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City
Date

MONTEREY CONFERENCE CENTER
MONTEREY, CALIFORNIA

ADDENDUM 1 SEPTEMBER 11, 2015

VOLUME 1:
GENERAL / CIVIL / LANDSCAPE / ARCHITECTURAL / INTERIORS / STRUCTURAL

ASSESSOR PARCEL NUMBER: 001-576-016 1

ARCHITECT / STRUCTURAL ENGINEER / GRAPHICS:

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VOLUME 1											
SHEET #	SHEET NAME	PRELIMINARY DESIGN 15% PRICING ISSUE - 05 DEC 2014	ISSUED FOR PLANNING & A.R.C. REVIEW - 16 DEC 2014	30% SUBMITTAL - 20 FEB 2015	60% PROJECT COMPLETION - 15 MAY 2015	PERMIT SET - 15 JUNE 2015	90% PROJECT COMPLETION - 28 JULY 2015	PORTOLA PLAZA PERMIT SET - 03 AUG 2015	BID SET - 26 AUG 2015	ADDENDUM 1 - 11 SEPT 2015
GENERAL											
A0.00.V1	COVER SHEET	●	●	●	●	●	●	●	●	●
A0.01.V1	DRAWING LIST	●	●	●	●	●	●	●	●	●
A0.02	ABBREVIATIONS, SYMBOLS LEGEND, MATERIALS SUMMARY			●	●	●		●		
A0.03	BUILDING PERSPECTIVE VIEWS	●	●	●	●	●	●		●	
A0.04	BUILDING TECHNICAL INDEX				●	●	●		●	
A0.05	CITY OF MONTEREY ARC APPROVAL DOCUMENT								●	
A0.11.1	CODE DIAGRAM - LEVEL 1 - CONFIGURATION 1				●	●	●		●	●
A0.11.2	CODE DIAGRAM - LEVEL 1 - CONFIGURATION 2				●	●	●		●	●
A0.11.3	CODE DIAGRAM - LEVEL 1 - CONFIGURATION 3				●	●	●		●	●
A0.12	CODE DIAGRAM - MEZZANINE LEVEL				●	●	●		●	●
A0.13.1	CODE DIAGRAM - LEVEL 2 - CONFIGURATION 1				●	●	●		●	●
A0.13.2	CODE DIAGRAM - LEVEL 2 - CONFIGURATION 2			●	●	●	●		●	●
A0.13.3	CODE DIAGRAM - LEVEL 2 - CONFIGURATION 3			●	●	●	●		●	●
CIVIL											
C1.01	DEL MONTE AVENUE / PORTOLA PLAZA CIVIL DEMOLITION PLAN						●	●	●	
C2.01	DEL MONTE AVENUE / PORTOLA PLAZA CIVIL IMPROVEMENT PLAN						●	●	●	
C2.02	PACIFIC STREET CIVIL DEMOLITION AND IMPROVEMENT PLAN								●	
C2.03	CIVIL SITE SECTIONS									
C3.01	PORTOLA PLAZA CIVIL DETAILS						●	●	●	
C4.01	PORTOLA PLAZA STORM WATER CONTROL PLAN					●	●	●	●	
TS1.01	TRAFFIC SIGNAL REMOVAL PLAN									
TS2.01	TRAFFIC SIGNAL MODIFICATION PLAN									
TS2.02	CONDUCTOR AND EQUIPMENT SCHEDULE									
LANDSCAPE											
L0.00	LEGEND AND NOTES									
L0.01	LANDSCAPE KEY PLAN				●	●	●	●	●	
L0.02	SOIL PREP PLAN						●			
L1.01	LAYOUT AND MATERIALS PLAN				●	●	●	●		
L2.01	GRADING PLAN - AREA 1						●	●		
L4.01	PAVING DETAILS						●	●		
L4.02	DETAILS						●	●		
L5.01	PLANTING PLAN						●	●		
L5.02	PLANTING PLAN - AREA 2						●		●	
L5.03	PLANTING PLAN - AREA 3						●		●	
L5.04	PLANTING DETAILS								●	
L6.00	IRRIGATION NOTES & LEGEND							●	●	
L6.01	IRRIGATION PLAN - AREA 1						●	●		
L6.02	IRRIGATION PLAN - AREA 2						●		●	
L6.03	IRRIGATION PLAN - AREA 3						●		●	
L6.04	IRRIGATION DETAILS - AREA 1							●	●	
ARCHITECTURAL											
AD2.01	DEMOLITION FLOOR PLAN - LEVEL 1	●	●	●	●	●	●		●	●
AD2.02	DEMOLITION PLAN - MEZZANINE LEVEL	●	●	●	●	●	●		●	●
AD2.03	DEMOLITION PLAN - LEVEL 2	●	●	●	●	●	●		●	●
AD2.03A	DEMOLITION PLAN - LEVEL 2 AUDITORIUM UPPER LEVEL				●	●	●		●	
AD2.04	DEMOLITION PLAN - ROOF LEVEL	●	●	●	●	●	●		●	
AD5.01	DEMOLITION BUILDING ELEVATIONS - EAST & SOUTH	●	●	●	●	●	●		●	
AD5.02	DEMOLITION BUILDING ELEVATIONS - WEST & NORTH	●	●	●	●	●	●		●	
AD5.03	DEMOLITION BUILDING SECTIONS	●	●	●	●	●	●		●	
AD7.01	DEMOLITION STAIR SECTIONS				●	●	●		●	
A1.01	SITE PLAN				●	●	●		●	
A1.02	ENLARGED SITE PLAN				●	●	●		●	
A1.03	ENLARGED SITE PLAN				●	●	●		●	
A1.04	ENLARGED SITE PLAN				●	●	●		●	●
A1.05	ENLARGED SITE PLAN				●	●	●		●	●
A1.06	ENLARGED SITE PLAN				●	●	●		●	
A1.10	ENLARGED BUILDING EXTERIOR ELEVATIONS & SECTIONS				●	●	●		●	
A1.11	ENLARGED BUILDING EXTERIOR ELEVATIONS & SECTIONS				●	●	●		●	
A1.12	ENLARGED BUILDING EXTERIOR ELEVATIONS & SECTIONS					●	●		●	
A1.13	ENLARGED BUILDING EXTERIOR ELEVATIONS & SECTIONS					●	●		●	●
A1.14	ENLARGED BUILDING EXTERIOR ELEVATIONS & SECTIONS				●	●	●		●	
A1.20	SITE DETAILS					●	●		●	
A1.21	SITE DETAILS						●		●	
A1.22	SITE DETAILS						●		●	
A1.23	SITE DETAILS								●	●
A2.01	FLOOR PLAN - LEVEL 1	●	●	●	●	●	●		●	●
A2.01.1	ENLARGED FLOOR PLAN - LEVEL 1 - SOUTH				●	●	●		●	●
A2.01.2	ENLARGED FLOOR PLAN - LEVEL 1 - NORTH				●	●	●		●	●
A2.02	FLOOR PLAN - MEZZANINE LEVEL	●	●	●	●	●	●		●	
A2.02.1	ENLARGED FLOOR PLAN - MEZZANINE LEVEL - SOUTH			●	●	●	●		●	
A2.02.2	ENLARGED FLOOR PLAN - MEZZANINE LEVEL - NORTH				●	●	●		●	
A2.03	FLOOR PLAN - LEVEL 2	●	●	●	●	●	●		●	●
A2.03.1	ENLARGED FLOOR PLAN - LEVEL 2 - SOUTH				●	●	●		●	●
A2.04	FLOOR PLAN - ROOF LEVEL	●	●	●	●	●	●		●	●
A2.04.1	ENLARGED FLOOR PLAN - ROOF LEVEL - SOUTH				●	●	●		●	●
A3.01	ENLARGED STAIR PLANS				●	●	●		●	
A3.02	ENLARGED STAIR PLANS				●	●	●		●	
A3.03	ENLARGED TOILET ROOM FLOOR PLANS				●	●	●		●	●
A4.01	REFLECTED CEILING PLAN - LEVEL 1			●	●	●	●		●	●
A4.01.1	ENLARGED REFLECTED CEILING PLAN - LEVEL 1 - SOUTH			●	●	●	●		●	
A4.01.2	ENLARGED REFLECTED CEILING PLAN - LEVEL 1 - NORTH			●	●	●	●		●	●
A4.02	REFLECTED CEILING PLAN - MEZZANINE LEVEL			●	●	●	●		●	
A4.02.1	ENLARGED REFLECTED CEILING PLAN - MEZZANINE LEVEL - SOUTH			●	●	●	●		●	
A4.02.2	ENLARGED REFLECTED CEILING PLAN - MEZZANINE LEVEL - NORTH			●	●	●	●		●	
A4.03	REFLECTED CEILING PLAN - LEVEL 2			●	●	●	●		●	
A4.03.1	ENLARGED REFLECTED CEILING PLAN - LEVEL 2 - SOUTH			●	●	●	●		●	
A5.01	BUILDING EXTERIOR ELEVATIONS - EAST & SOUTH			●	●	●	●		●	●
A5.01.1	BUILDING EXTERIOR WINDOW WALL ELEVATIONS - EAST & SOUTH			●	●	●	●		●	●
A5.02	BUILDING EXTERIOR ELEVATIONS - WEST & NORTH	●	●	●	●	●	●		●	●
A5.03	BUILDING SECTIONS	●	●	●	●	●	●		●	●
A5.04	BUILDING SECTIONS			●	●	●	●		●	●
A5.10	ENLARGED BUILDING EXTERIOR ELEVATIONS & SECTIONS				●	●	●		●	●
A5.11	ENLARGED BUILDING EXTERIOR ELEVATIONS & SECTIONS						●		●	
A5.12	ENLARGED BUILDING EXTERIOR ELEVATIONS & SECTIONS				●	●	●		●	●
A5.13	ENLARGED BUILDING EXTERIOR ELEVATIONS & SECTIONS				●	●	●		●	
A5.14	ENLARGED BUILDING EXTERIOR ELEVATIONS & SECTIONS				●	●	●		●	
A5.15	ENLARGED BUILDING EXTERIOR ELEVATIONS & SECTIONS				●	●	●		●	
A5.31	ENLARGED BUILDING EXTERIOR ELEVATIONS & SECTIONS				●	●	●		●	
A6.00	INTERIOR ELEVATIONS					●	●		●	
A6.01	INTERIOR ELEVATIONS				●	●	●		●	●
A6.02	INTERIOR ELEVATIONS				●	●	●		●	
A6.03	INTERIOR ELEVATIONS				●	●	●		●	
A6.04	INTERIOR ELEVATIONS				●	●	●		●	●
A6.05	INTERIOR ELEVATIONS					●	●		●	●
A6.06	INTERIOR ELEVATIONS					●	●		●	
A6.07	TOILET ROOM INTERIOR ELEVATIONS					●	●		●	
A6.08	TOILET ROOM INTERIOR ELEVATIONS					●	●		●	
A6.09	TOILET ROOM INTERIOR ELEVATIONS								●	●
A7.01	STAIR/ESCALATOR SECTIONS & ELEVATIONS					●	●		●	
A7.02	STAIR SECTIONS & ELEVATIONS						●		●	
A7.03	STAIR SECTIONS & ELEVATIONS								●	
A7.04	STAIR 1 DETAILS					●	●		●	
A7.05	STAIR 2 DETAILS					●	●		●	
A7.06	STAIR 5 DETAILS					●	●		●	
A7.07	STAIR 1, 3 & 14 DETAILS					●	●		●	
A7.08	STAIR 6, 11 & 12 DETAILS					●	●		●	
A7.11	ESCALATOR DETAILS					●	●		●	
A7.12	ELEVATOR 1 PLAN, RCP, ELEVATIONS & DETAILS					●	●		●	
A7.13	ELEVATOR 1 DETAILS					●	●		●	
A7.15	PEDESTAL ELEVATIONS & DETAILS								●	

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A8.01	EXTERIOR DETAILS				●	●	●		●	●
A8.02	EXTERIOR DETAILS								●	
A8.03	EXTERIOR DETAILS					●	●		●	
A8.04	EXTERIOR DETAILS						●		●	
A8.05	EXTERIOR DETAILS						●		●	
A8.06	EXTERIOR DETAILS								●	
A8.07	EXTERIOR DETAILS								●	
A8.11	EXTERIOR DETAILS - SP-1						●		●	
A8.12	EXTERIOR DETAILS - SP-2 & SP-3						●		●	
A8.20	EXTERIOR DETAILS - GUARDRAIL						●		●	
A8.21	EXTERIOR DETAILS - GUARDRAIL								●	
A8.31	EXTERIOR DETAILS - ROOF & SOFFIT						●		●	
A8.32	EXTERIOR DETAILS - ROOF & SOFFIT					●	●		●	
A8.33	EXTERIOR DETAILS - ROOF & SOFFIT					●	●		●	
A8.34	EXTERIOR DETAILS - SKYLIGHTS					●			●	
A8.35	EXTERIOR DETAILS - ROOF						●		●	
A8.36	EXTERIOR DETAILS - ROOF						●		●	
A8.37	EXTERIOR DETAILS - ROOF								●	
A9.01	PARTITION TYPES				●	●	●		●	
A9.01.1	PARTITION TYPE DETAILS - TYP			●	●	●	●		●	
A9.01.2	PARTITION TYPE DETAILS - TYP			●	●	●	●		●	
A9.01.3	PARTITION TYPE DETAILS - TYP				●	●	●		●	
A9.02	ROOM & FINISH SCHEDULE			●	●	●	●		●	●
A9.03	DOOR SCHEDULE			●	●	●	●		●	●
A9.04	DOOR JAMB & SILL DETAILS				●	●	●		●	●
A9.05	TYPICAL CEILING DETAILS				●	●	●		●	
A9.06	CEILING DETAILS								●	
A9.07	CEILING DETAILS - STEINBECK BALLROOM				●	●	●		●	
A9.08	CEILING DETAILS - STEINBECK BALLROOM						●		●	
A9.09	TOILET ROOM DETAILS						●		●	
A9.11	MAIN LOBBY - ELEVATIONS, SECTIONS AND DETAILS						●		●	
A9.12	WOOD PANELING AND STEINBECK BALLROOM ENTRANCE DETAILS						●		●	
A9.13	GLASS OPERABLE PARTITION AND BLIND DOOR DETAILS						●		●	
A9.14	VERTICAL BI-FOLD DOOR IN SERRA BALLROOM						●		●	
A9.15	INTERIOR DETAILS						●		●	
A9.16	INTERIOR DETAILS				●	●			●	
A9.20	CASEWORK DETAILS							●	●	
A10.01	BIRD CONTROL DIAGRAM								●	
INTERIORS											
I3.01.1A	ENLARGED FURNITURE PLAN LEVEL 1 - SERRA BANQUET				●	●				
I3.01.1B	ENLARGED FURNITURE PLAN LEVEL 1 - SERRA THEATER 1				●	●				
I3.01.1C	ENLARGED FURNITURE PLAN LEVEL 1 - SERRA THEATER 2				●	●				
I3.01.1D	ENLARGED FURNITURE PLAN LEVEL 1 - SERRA CLASSROOM				●	●				
I3.01.2	ENLARGED FURNITURE LAYOUT PLAN - LEVEL 1 NORTH									●
I3.02.1	ENLARGED FURNITURE PLAN - MEZZANINE SOUTH					●	●		●	
I3.03.1A	ENLARGED FURNITURE PLAN LEVEL 2 - STEINBECK BANQUET 1				●	●				
I3.03.1B	ENLARGED FURNITURE PLAN LEVEL 2 - STEINBECK BANQUET 2				●	●				
I3.03.1C	ENLARGED FURNITURE PLAN LEVEL 2 - STEINBECK BANQUET 3				●	●				
I3.03.1D	ENLARGED FURNITURE PLAN LEVEL 2 - STEINBECK THEATER 1				●	●				
I3.03.1E	ENLARGED FURNITURE PLAN LEVEL 2 - STEINBECK THEATER 2				●	●				
I3.03.1F	ENLARGED FURNITURE PLAN LEVEL 2 - STEINBECK CLASSROOM				●	●				
I3.03.2	ENLARGED FURNITURE PLAN LEVEL 2 - JEFFERS PLAZA				●	●				
STRUCTURAL											
S0.00	DRAWING LIST, LEGEND AND ABBREVIATIONS	●		●	●	●		●		
S0.11	GENERAL NOTES I				●	●	●		●	
S0.12	GENERAL NOTES II				●	●	●		●	
SD2.01	DEMOLITION PLAN - LEVEL 01	●		●	●	●	●		●	
SD2.02	DEMOLITION PLAN - MEZZANINE LEVEL	●		●	●	●	●		●	
SD2.03	DEMOLITION PLAN - LEVEL 02	●		●	●	●	●		●	
SD2.05	DEMOLITION PLAN - ROOF LEVEL	●		●	●	●	●		●	
SD2.05A	DEMOLITION PLAN - ROOF LEVEL (ALTERNATE)	●		●						
SD3.00	BUILDING DEMOLITION SECTIONS I				●	●	●		●	
SD3.10	BUILDING DEMOLITION SECTIONS II						●		●	
SD3.21	WALL DEMOLITION SECTIONS								●	
S2.L1	LOADING DIAGRAMS I					●	●		●	
S2.L2	LOADING DIAGRAMS II					●	●		●	
S2.01	ALTERATION PLAN - LEVEL 01	●		●	●	●	●		●	
S2.01.1	ENLARGED ALTERATION PLAN - LEVEL 01 - SOUTH					●	●		●	
S2.01.2	ENLARGED ALTERATION PLAN - LEVEL 01 - NORTH					●	●		●	
S2.02	ALTERATION PLAN - MEZZANINE LEVEL	●		●	●	●	●		●	
S2.02.1	ENLARGED ALTERATION PLAN - MEZZANINE LEVEL - SOUTH					●	●		●	
S2.02.2	ENLARGED ALTERATION PLAN - MEZZANINE LEVEL - NORTH					●	●		●	
S2.03	ALTERATION PLAN - LEVEL 02	●		●	●	●	●		●	
S2.03.1	ENLARGED ALTERATION PLAN - LEVEL 02 - SOUTH					●	●		●	
S2.03.2	ENLARGED ALTERATION PT PLAN - LEVEL 02 - SOUTH					●	●		●	
S2.03.3	ENLARGED ALTERATION PLAN - LEVEL 02 - NORTH					●	●		●	
S2.05	ALTERATION PLAN - ROOF LEVEL	●		●	●	●	●		●	
S2.05.1	ENLARGED ALTERATION PLAN - ROOF LEVEL					●	●		●	
S3.00	BUILDING ALTERATION SECTIONS				●	●	●		●	
S3.11	BRACE ALTERATION ELEVATIONS AND DETAILS I				●	●	●		●	
S3.12	BRACE ALTERATION ELEVATIONS AND DETAILS II				●	●			●	
S3.21	SHEAR WALL ALTERATION ELEVATIONS AND DETAILS I				●	●	●		●	
S3.30	BEAM ALTERATION ELEVATIONS AND DETAILS I				●	●	●		●	
S3.31	BEAM ALTERATION ELEVATIONS AND DETAILS II				●	●	●		●	
S3.32	BEAM ALTERATION ELEVATIONS AND DETAILS III				●	●	●		●	
S3.33	BEAM ALTERATION ELEVATIONS AND DETAILS IV				●	●	●		●	
S3.34	BEAM ALTERATION ELEVATIONS AND DETAILS V				●	●	●		●	
S3.40	STAIR ALTERATION PLANS AND SECTIONS I				●	●	●		●	
S3.41	STAIR ALTERATION PLANS AND SECTIONS II				●	●	●		●	
S3.50	CANTILEVER BEAM SECTIONS I						●		●	
S3.51	CANTILEVER BEAM SECTIONS II						●		●	
S4.01	TYPICAL FOUNDATION DETAILS						●		●	
S4.02	CAISSON CAP AND CAISSON DETAIL						●		●	
S5.01	TYPICAL STEEL DETAILS I					●	●		●	
S5.02	TYPICAL STEEL DETAILS II					●	●		●	
S5.03	TYPICAL STEEL DETAILS III					●	●		●	
S5.04	TYPICAL METAL DECK DETAILS					●	●		●	
S5.05	TYPICAL STEEL BRACE FRAME SECTIONS AND DETAILS					●	●		●	
S5.06	TYPICAL STEEL BRACE FRAME SECTIONS AND DETAILS								●	
S5.11	TYPICAL REINFORCED CONCRETE DETAILS I					●	●		●	
S5.12	TYPICAL REINFORCED CONCRETE DETAILS II					●	●		●	
S5.13	TYPICAL REINFORCED CONCRETE DETAILS III					●	●		●	
S5.14	TYPICAL REINFORCED CONCRETE SHEAR WALL SCHEDULES AND DETAILS					●	●		●	
S5.15	TYPICAL CONCRETE SHOTCRETE WALL SECTIONS AND DETAILS					●	●		●	
S5.16	TYPICAL REINFORCED CONCRETE GRAVITY COLUMN SCHEDULE AND DETAILS					●	●		●	
S5.17	TYPICAL REINFORCED CONCRETE GRAVITY BEAM SCHEDULE AND DETAILS					●	●		●	
S5.18	TYPICAL REINFORCED CONCRETE SLAB DETAILS					●	●		●	
S5.19	POST-TENSIONED CONCRETE SLAB DETAILS					●	●		●	
S5.20	TYPICAL POST-TENSIONED CONCRETE BEAM SCHEDULES AND DETAILS					●	●		●	
S5.30	TYPICAL GLULAM DETAILS						●		●	
S6.00	RETROFIT SECTIONS AND DETAILS I						●	●	●	
S6.01	RETROFIT SECTIONS AND DETAILS II								●	
S6.02	RETROFIT SECTIONS AND DETAILS III								●	

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL

580 PACIFIC STREET, MONTEREY, CA 93940
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Consultants:

Issued For:

No.	Description:	Date:
	PRELIMINARY DESIGN 15% PRICING ISSUE	05 DEC 2014
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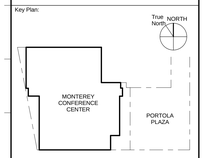
	BID SET	26 AUG 2015
1	ADDENDUM 1	11 SEPT 2015

Key Plan:



Seal & Signature:

LICENSED ARCHITECT
CLIFTON K. BOSWELL
C-26963
MAY 31 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:

DRAWING LIST

Project No.: 215004
Drawn By: Author
Checked By: Checker
Scale:

Sheet No.: A0.01.V1

9/8/2015 10:23:26 PM

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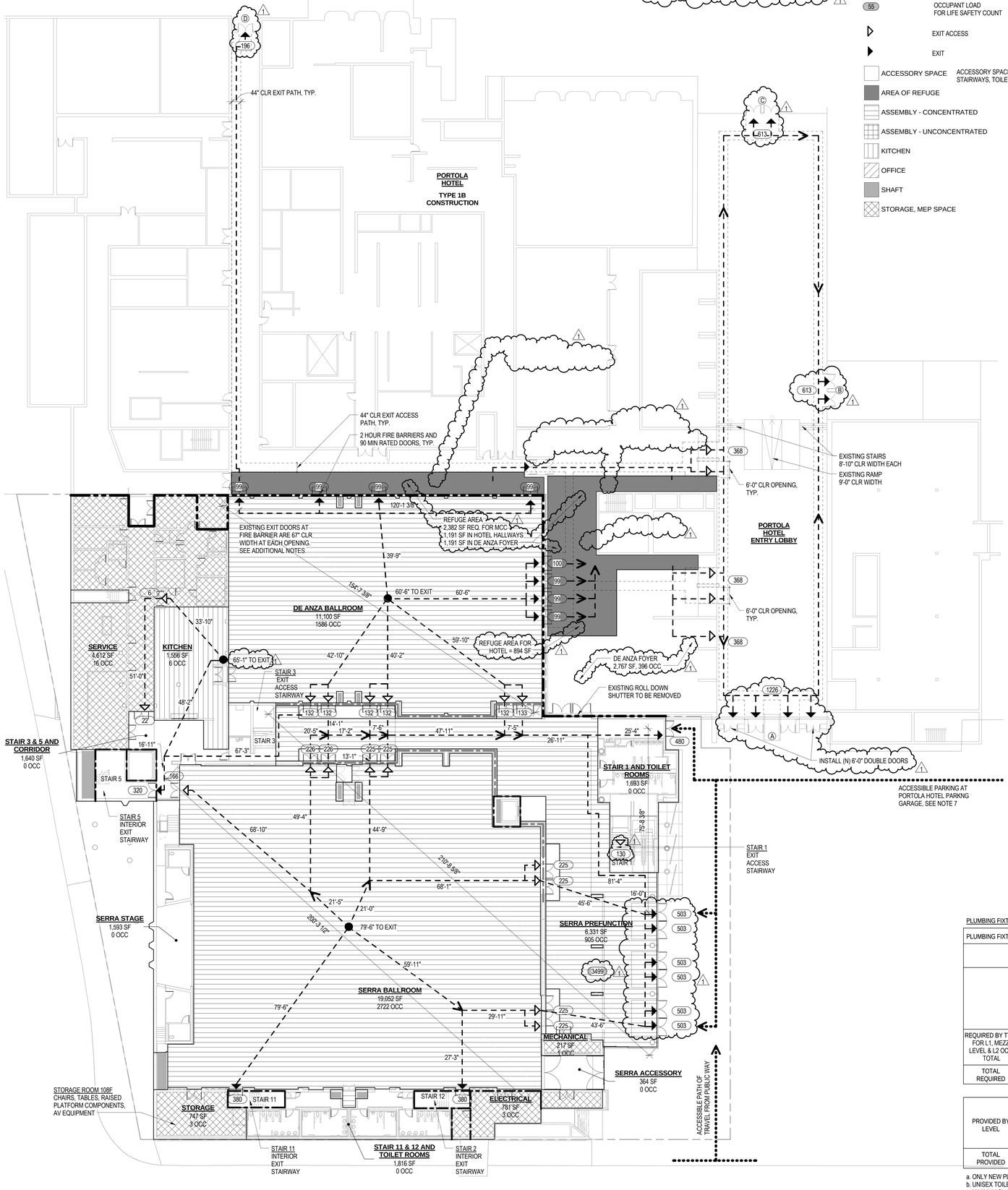
Approved as to Form

	CLEAR OPENING WIDTH	MAX NUMBER OF OCC. ALLOWED	REQ'D WIDTH 0.2" PER OCC
A	24'-0"	1226	1226 X 0.2" = 20.43'
B	12'-0"	613	613 X 0.2" = 10.2'
C	12'-0"	613	613 X 0.2" = 10.2'
D	6'-0"	196	196 X 0.2" = 39.2'

PORTOLA HOTEL OCCUPANT LOAD
SEE SHEET 2.1 BY PAUL DAVIS ARCHITECTS



CODE DIAGRAM LEGEND

- 1 HR FIRE-RESISTANCE RATING
- 2 HR FIRE-RESISTANCE RATING
- 1 HR FIRE-RESISTANCE RATING BASED ON DOOR RATINGS AND FIRE DAMPERS ON ORIGINAL DRAWINGS (SEE PROJECT INFO FOR ADD'L NOTE)
- EGRESS PATH OF TRAVEL
- ACCESSIBLE PATH OF TRAVEL
- 55 — ASSUMED OCCUPANT LOAD DISTRIBUTION
- 55 — OCCUPANT LOAD FOR LIFE SAFETY COUNT
- EXIT ACCESS
- EXIT
- ACCESSORY SPACE — ACCESSORY SPACE: CORRIDORS, STAIRWAYS, TOILET ROOMS)
- AREA OF REFUGE
- ASSEMBLY - CONCENTRATED
- ASSEMBLY - UNCONCENTRATED
- KITCHEN
- OFFICE
- SHAFT
- STORAGE, MEP SPACE

DE ANZA BALLROOM EXITING METHODOLOGY

1. DE ANZA BALLROOM EXITING WILL UTILIZE HORIZONTAL EXIT APPROACH, IN ACCORDANCE WITH SECTION 1025 OF THE 2013 EDITION OF CALIFORNIA BUILDING CODE (CBC).

2. MCC AND HOTEL IS SEPARATED BY A 2 HOUR FIRE BARRIER WALL CONSTRUCTION AND 90-MINUTE RATED DOORS IN ACCORDANCE WITH SECTION 1025.2. DISCHARGE FROM AREA OF REFUGE TO BE THROUGH HOTEL LOBBY AND HOTEL CORRIDOR.

3. EXISTING CONSTRUCTION OF THE 2 HOUR FIRE BARRIER BETWEEN MCC AND HOTEL IS 12-INCH THICK AND 24-IN THICK REINFORCED CONCRETE WALLS, AND OPENINGS OF 1-1/2 HR FIRE RESISTANCE RATING. PER 2013 CBC TABLE 722.2.1.1, MINIMUM THICKNESS FOR 2-HR FIRE-RESISTANT CONCRETE WALL IS 5-INCH.

4. HOTEL TO MAINTAIN REQUIRED REFUGE AREA AND EXIT PATH OF TRAVEL FROM DE ANZA BALLROOM TO HOTEL EXITS.

5. HOTEL TO VERIFY OCCUPANT LOAD AND EXITING OF THE HOTEL LOBBY AS REQUIRED.

6. AN AGREEMENT WILL BE DEVELOPED DOCUMENTING THE HORIZONTAL EXIT APPROACH, AND THE REFUGE AREA AND EXIT PATH OF TRAVEL FROM THE REFUGE AREA TO HOTEL EXITS WILL BE MAINTAINED AT ALL TIMES, INCLUDING HOTEL EVENTS, HOTEL RENOVATIONS AND HOTEL ADDITIONS.

7. COMPLEMENTING THESE CODE DIAGRAMS AND PRIOR TO FINAL OCCUPANCY, THE CONFERENCE CENTER AND THE PORTOLA HOTEL WILL RECORD AN AGREEMENT THAT, AMONG OTHER MATTERS, WILL MEMORIALIZE WITH LEGAL DESCRIPTIONS THE LOCATIONS OF THE DE ANZA BALLROOM OCCUPANTS' AREAS OF RFUGE WITHIN THE HOTEL AND THE CONFERENCE CENTER, AS WELL AS DESCRIBE THE REQUIRED EXITING PATHS FROM THOSE LOCATIONS THROUGH THE HOTEL AND CONFERENCE CENTER TO A PUBLIC RIGHT OF WAY OR THE EQUIVALENT. ALSO INCLUDED IN THAT AGREEMENT WILL BE LANGUAGE RELATED TO THE PORTOLA MAKING AVAILABLE THE EXISTING ADA COMPLIANT PARKING IN ITS PARKING FACILITY THAT CAN BE USED BY THE CONFERENCE CENTER.

PROJECT INFORMATION

1975 AGREEMENT BETWEEN CITY OF MONTEREY AND CUSTOM HOUSE HOTEL CO. STATES "FOR PURPOSES OF INTERPRETING THE BUILDING CODE REQUIREMENTS, THE CONFERENCE CENTER AND HOTEL HAVE BEEN CONSIDERED AS ONE STRUCTURE NECESSITATING CERTAIN EASEMENTS FOR EXITING PURPOSES."

PER 2013 CBC SECTION 508, NO OCCUPANCY SEPARATION IS REQUIRED BETWEEN SPACES OF THE SAME OCCUPANCY GROUP OR BETWEEN ACCESSORY OCCUPANCIES AND THE MAIN OCCUPANCY. HOWEVER, EXISTING DRAWINGS INDICATE 20-MINUTE FIRE RATED OPENINGS IN DE ANZA AND SERRA BALLROOMS FROM PRE-FUNCTION AND ALSO FIRE DAMPERS IN DUCTS PENETRATING WALLS AT SERRA BALLROOM, PRE-FUNCTION AND DE ANZA.
SOM ASSUMES THE EXISTING DESIGN INTENT AS PART OF 1975 AGREEMENT NOTED ABOVE AND IS MAINTAINING THE 1-HR FIRE-RESISTANCE RATING TO MATCH ORIGINAL DRAWINGS BEST TO OUR KNOWLEDGE.

OCCUPANCY SEPARATIONS:	NONE REQUIRED
APPLICABLE CODES:	2013 CALIFORNIA BUILDING CODE AND APPENDICES H.I.J 2013 MONTEREY CODE AMENDEMENTS 2013 EXISTING BUILDING CODE 2013 CALIFORNIA ENERGY CODE 2013 CALIFORNIA PLUMBING CODE 2013 CALIFORNIA ELECTRICAL CODE 2013 CALIFORNIA MECHANICAL CODE 2013 CALIFORNIA FIRE CODE 2012 INTERNATIONAL PROPERTY MAINTENANCE CODE (ORD. 3489) CALIFORNIA GOVERNMENT CODE SECTION 4216, PROTECTION OF UNDERGROUND INFRASTRUCTURE CAL OSHA-CALIFORNIA OCCUPATIONAL SAFETY HAZARD AUTHORITY CALIFORNIA ENERGY CODE , CALIFORNIA CODE OF REGULATIONS (TITLE 24 ENERGY EFFICIENCY STANDARDS) SFM/MFD - CALIFORNIA FIRE MARSHALL AND MONTEREY FIRE DEPARTMENT UL- UNDERWRITER'S LABORATORY, INC. ADAAG - AMERICAN WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES
CONSTRUCTION TYPE:	TYPE 1B
	PRIMARY STRUCTURAL FRAME — 2HR PRIMARY STRUCTURAL FRAME SUPPORTING ROOF ONLY — 1HR EXTERIOR BEARING WALLS — 2HR INTERIOR BEARING WALLS SUPPORTING ROOF ONLY — 1HR FLOOR CONSTRUCTION — 2HR ROOF CONSTRUCTION — 1HR SHAFT ENCLOSURES — 1HR STAIR ENCLOSURES — 1HR
SPRINKLER SYSTEM:	FULLY SPRINKLERED
FIRE ALARM:	YES
GROSS BUILDING AREA:	99,172SF
NUMBER OF STORIES:	2
BUILDING HEIGHT:	67' - 6"

EXIT AND EXIT ACCESS DOORWAYS PER SPACE
2013 CBC SECTION 1015

OCCUPANCY	OCCUPANT LOAD	NO. OF EXIT OR EXIT ACCESS DOORWAY
A, B	49 MAX.	1 MIN.
	50 - 500	2 MIN.
S	29 MAX.	1 MIN.
	30 - 500	2 MIN.
-	501-1,000	3 MIN.
-	> 1,000	4 MIN.

EXITS AND EXIT ACCESS DOORWAYS DISTANCE SEPARATION
2013 CBC PARAGRAPH 1015.2.1 EXCEPTION 2:

WHERE A BUILDING IS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM, THE SEPARATION DISTANCE OF THE EXIT DOORS OR EXIT ACCESS DOORWAYS SHALL NOT BE LESS THAN ONE-THIRD OF THE LENGTH OF THE MAXIMUM OVERALL DIAGONAL DIMENSION OF THE AREA SERVED.

EXIT ACCESS STAIRWAYS
2013 CBC PARAGRAPH 1009.3 EXCEPTION 1: IN OTHER THAN GROUP I-2, I-2.1, I-3 AND R-2.1 OCCUPANCIES, EXIT ACCESS STAIRWAYS THAT SERVE, OR ATMOSPHERICALLY COMMUNICATE BETWEEN, ONLY TWO STORIES ARE NOT REQUIRED TO BE ENCLOSED.

EXITS OR ACCESS TO EXITS PER STORY
2013 CBC SECTION 1021

OCCUPANT LOAD PER STORY	NO. OF EXITS OR ACCESS TO EXITS FROM STORY
1 - 500	2
501 - 1,000	3
MORE THAN 1,000	4

CODE TABLE - LEVEL 01 CONFIGURATION 1

AREA NAME	OCCUPANCY GROUP	OCCUPANCY DESCRIPTION	OCCUPANT LOAD FACTOR		OLF SF PER OCCUPANT	FLOOR AREA	NUMBER OF OCCUPANTS
ACCESSORY	-	ACCESSORY SPACE	0 SF	GROSS		209 SF	
ACCESSORY	-	ACCESSORY SPACE	0 SF	GROSS		199 SF	
ACCESSORY	-	ACCESSORY SPACE	0 SF	GROSS		122 SF	
ACCESSORY	-	ACCESSORY SPACE	0 SF	GROSS		108 SF	
ACCESSORY	-	ACCESSORY SPACE	0 SF	GROSS		133 SF	
ACCESSORY	-	ACCESSORY SPACE	0 SF	GROSS		105 SF	
DE ANZA BALLROOM	A3	ASSEMBLY - CONCENTRATED	7 SF	NET		11100 SF	1586
ELECTRICAL	S2	STORAGE, MEP SPACE	300 SF	GROSS		781 SF	3
KITCHEN	S2	KITCHEN	300 SF	GROSS		1556 SF	6
MECHANICAL	S2	STORAGE, MEP SPACE	300 SF	GROSS		217 SF	1
SERRA ACCESSORY	-	ACCESSORY SPACE	0 SF	GROSS		364 SF	0
SERRA BALLROOM	A3	ASSEMBLY - CONCENTRATED	7 SF	NET		19052 SF	2722
SERRA PREFUNCTION	A3	ASSEMBLY - CONCENTRATED	7 SF	NET		6331 SF	905
SERRA STAGE	-	ACCESSORY SPACE	0 SF	GROSS		1593 SF	0
SERVICE	S2	STORAGE, MEP SPACE	300 SF	GROSS		4612 SF	16
SHAFT	-	SHAFT	0 SF	GROSS		146 SF	0
SHAFT	-	SHAFT	0 SF	GROSS		89 SF	0
SHAFT	-	SHAFT	0 SF	GROSS		157 SF	0
SHAFT	-	SHAFT	0 SF	GROSS		160 SF	0
SHAFT	-	SHAFT	0 SF	GROSS		19 SF	0
SHAFT	-	SHAFT	0 SF	GROSS		19 SF	0
SHAFT	-	SHAFT	0 SF	GROSS		12 SF	0
SHAFT	-	SHAFT	0 SF	GROSS		12 SF	0
SHAFT	-	SHAFT	0 SF	GROSS		12 SF	0
SHAFT	-	SHAFT	0 SF	GROSS		12 SF	0
SHAFT	-	SHAFT	0 SF	GROSS		23 SF	0
SHAFT	-	SHAFT	0 SF	GROSS		23 SF	0
STAIR 1 AND TOILET ROOMS	-	ACCESSORY SPACE	0 SF	GROSS		1693 SF	0
STAIR 3 & 5 AND CORRIDOR	-	ACCESSORY SPACE	0 SF	GROSS		1640 SF	0
STAIR 4	-	ACCESSORY SPACE	0 SF	GROSS		126 SF	0
STAIR 11 & 12 AND TOILET ROOMS	-	ACCESSORY SPACE	0 SF	GROSS		1816 SF	0
STORAGE	S2	STORAGE, MEP SPACE	300 SF	GROSS		747 SF	3

EXIT WIDTH - LEVEL 1 - CONFIGURATION 1

AREA NAME	DOORS PROVIDED 0.15" PER OCC. OR 3'-0" MIN. (1005.3.2.1)	STAIRWAYS PROVIDED 0.20" PER OCC. OR 3'-8" MIN. (1005.3.1.1) (1009.4)	HORIZONTAL EXIT (1025.1)	MAXIMUM NUMBER OF OCC. PERMITTED BY TOTAL EXIT WIDTH PROVIDED	ASSUMED TOTAL NUMBER OF OCC.
SERRA BALLROOM	8 DOORS @ 68" CLR OPENING EA. = 544" (3,626 OCC.)	2 STAIRS @ 6'-4" EA. = 152" (760 OCC.)	N/A	4,386 OCC.	2,722 OCC.
DE ANZA BALLROOM	6 DOORS @ 68" CLR OPENING EA. = 408" (2,720 OCC.)	N/A	793 OCC. ASSUMED	3,513 OCC.	1,586 OCC.
LEVEL 1 MAIN EXITS	1 DOOR @ 72" CLR OPENING EA. = 72" (480 OCC.) 6 DOORS @ 76" CLR OPENING EA. = 456" (3,040 OCC.)	N/A	N/A	3,520 OCC.	3,369(L1)+130(ML) = 3,499 OCC.

PLUMBING FIXTURE TABLE

PLUMBING FIXTURES CPC TABLE 422.1										
		TOTAL FLOOR AREA (SF)	NO. OF OCCUPANTS[d]	WATER CLOSETS		LAVATORIES		URINALS	DRINKING FOUNTAINS	SERVICE SINKS
				MALE	FEMALE	MALE	FEMALE			
			A OCCUPANCY: 15 SF PER OCC. B OCCUPANCY: 200 SF PER OCC. (CPC TABLE A)	A3 OCCUPANCY: 1:1-100 OCC. 3: 201-400 OCC. > 400 OCC. = 1 PER ADD'L 500 OCC. B OCCUPANCY: 1:1-50 OCC.	A3 OCCUPANCY: 2:26-50 OCC 8: 301-400 OCC. > 400 OCC. = 1 PER ADD'L 125 OCC. B OCCUPANCY: 1: 1-15 OCC.	A3 OCCUPANCY: 1:1-200 OCC. 4: 601-750 OCC. > 750 OCC. = 1 PER ADD'L 250 OCC. B OCCUPANCY: 1: 1-75 OCC.	A3 OCCUPANCY: 1:1-100 OCC. 6: 501-750 OCC. > 750 OCC. = 1 PER ADD'L 200 OCC. B OCCUPANCY: 1: 1-50 OCC.	A3 OCCUPANCY: 1:1-100 OCC. 4: 401-600 OCC. > 600 OCC. = 1 PER ADD'L 300 OCC. B OCCUPANCY: 1: 1-100 OCC.	A3 OCCUPANCY: 1:1-125 OCC. 3: 501-750 OCC. > 750 OCC. = 1 PER ADD'L 500 OCC. B OCCUPANCY: 1 PER 150 OCC.	A3 OCCUPANCY: 1 B OCCUPANCY: 1
REQUIRED BY TYPE FOR L1, MEZZ, LEVEL & L2 OCC. TOTAL	A3	58,131	1,938	7	12	9	12	9	6	1
	B	1,759	9	1	1	1	1	1	1	1
TOTAL REQUIRED				8	13	10	13	10	7	2
PROVIDED BY LEVEL	L1			9	15	11	13	7	4	3
	MEZZ			1	2	1	1	1	0	0
	L2			4	10	3	5	2	2	1
TOTAL PROVIDED				14	27	15	19	10	6	4

a. ONLY NEW PLUMBING FIXTURES ARE INCLUDED IN THE PLUMBING FIXTURE COUNT TABLE. EXISTING PLUMBING FIXTURES TO REMAIN ARE NOT INCLUDED IN THE COUNT TABLE.
b. UNISEX TOILET ROOM FIXTURES (WATER CLOSET AND LAVATORY) COUNT TOWARDS BOTH MALE AND FEMALE.
c. MINIMUM PLUMBING FIXTURES ARE CALCULATED AT 50% MALE AND 50% FEMALE BASED ON THE TOTAL OCCUPANT LOAD.
d. PER CPC TABLE A, ACCESSORIES AREA MAY BE EXCLUDED (FOR EXAMPLE HALLWAY, RESTROOM, STAIR ENCLOSURE)

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

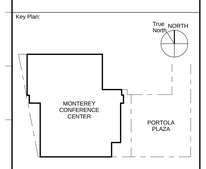
CITY OF MONTEREY
CITY HALL
580 PACIFIC STREET, MONTEREY, CA 93940
TEL: (831) 646-5601

Architect:
SOM
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

Consultants:

Issued For:

No.	Description:	Date:
	60% PROJECT COMPLETION	15 MAY 2015
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015
1	ADDENDUM 1	11 SEPT 2015

Key Plan:


Seal & Signature:
LICENSED ARCHITECT
CLIFTON K. BOSWELL
C-26963
MAY 3 1 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:
CODE DIAGRAM - LEVEL 1 - CONFIGURATION 1

Project No.:	Sheet No.:
215004	A0.11.1
Drawn By: Author	
Checked By: Checker	
Scale: As indicated	

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Approved as to Form (City) (Date)

PORTOLA HOTEL OCCUPANT LOAD SEE SHEET 2.1 BY PAUL DAVIS ARCHITECTS			
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- EXIT
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- KITCHEN
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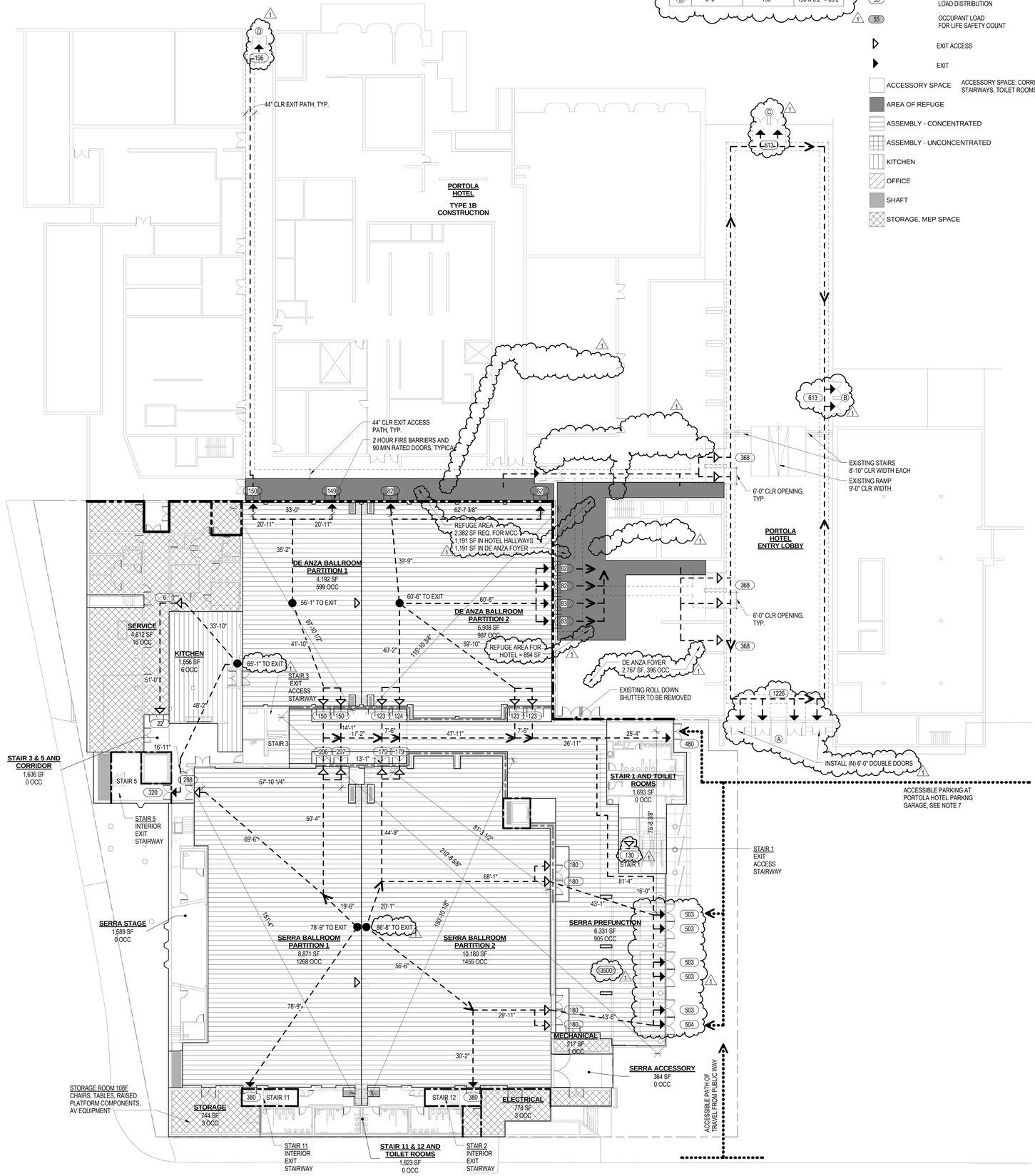

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APPLICABLE CODES:	2013 CALIFORNIA BUILDING CODE AND APPENDICES H I J 2013 MONTEREY CODE AMENDEMENTS 2013 EXISTING BUILDING CODE 2013 CALIFORNIA ENERGY CODE 2013 CALIFORNIA PLUMBING CODE 2013 CALIFORNIA ELECTRICAL CODE 2013 CALIFORNIA MECHANICAL CODE 2013 CALIFORNIA FIRE CODE 2012 INTERNATIONAL PROPERTY MAINTENANCE CODE (ORD. 3489) CALIFORNIA GOVERNMENT CODE SECTION 4216, PROTECTION OF UNDERGROUND INFRASTRUCTURE CAL OSHA-CALIFORNIA OCCUPATIONAL SAFETY HAZARD AUTHORITY CALIFORNIA ENERGY CODE , CALIFORNIA CODE OF REGULATIONS (TITLE 24 ENERGY EFFICIENCY STANDARDS) SFM/MFD - CALIFORNIA FIRE MARSHALL AND MONTEREY FIRE DEPARTMENT UL- UNDERWRITER'S LABORATORY, INC. ADAAG - AMERICAN WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES
CONSTRUCTION TYPE:	TYPE 1B
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SPRINKLER SYSTEM:	FULLY SPRINKLERED
FIRE ALARM:	YES
GROSS BUILDING AREA:	99,172SF
NUMBER OF STORIES:	2
BUILDING HEIGHT:	67' - 6"

EXIT AND EXIT ACCESS DOORWAYS PER SPACE
2013 CBC SECTION 1015

OCCUPANCY	OCCUPANT LOAD	NO. OF EXIT OR EXIT ACCESS DOORWAY
A, B	49 MAX.	1 MIN.
	50 - 500	2 MIN.
S	29 MAX.	1 MIN.
	30 - 500	2 MIN.
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-	> 1,000	4 MIN.

EXITS AND EXIT ACCESS DOORWAYS DISTANCE SEPARATION
2013 CBC PARAGRAPH 1015.2.1 EXCEPTION 2:

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EXITS OR ACCESS TO EXITS PER STORY
2013 CBC SECTION 1021

OCCUPANT LOAD PER STORY	NO. OF EXITS OR ACCESS TO EXITS FROM STORY
1 - 500	2
501 - 1,000	3
MORE THAN 1,000	4

CODE TABLE - LEVEL 1 CONFIGURATION 2

AREA NAME	OCCUPANCY GROUP	OCCUPANCY DESCRIPTION	OCCUPANT LOAD FA	OLF SF PER OCC	FLOOR AREA	NUMBER OF OCCUPANT
ACCESSORY	-	ACCESSORY SPACE	0 SF	GROSS	199 SF	
ACCESSORY	-	ACCESSORY SPACE	0 SF	GROSS	209 SF	
ACCESSORY	-	ACCESSORY SPACE	0 SF	GROSS	120 SF	
ACCESSORY	-	ACCESSORY SPACE	0 SF	GROSS	108 SF	
ACCESSORY	-	ACCESSORY SPACE	0 SF	GROSS	129 SF	
ACCESSORY	-	ACCESSORY SPACE	0 SF	GROSS	104 SF	
DE ANZA BALLROOM PARTITION 1	A3	ASSEMBLY - CONCENTRATED	7 SF	NET	4,192 SF	599
DE ANZA BALLROOM PARTITION 2	A3	ASSEMBLY - CONCENTRATED	7 SF	NET	6,908 SF	987
ELECTRICAL	S2	STORAGE, MEP SPACE	300 SF	GROSS	778 SF	3
KITCHEN	S2	KITCHEN	300 SF	GROSS	1,556 SF	6
MECHANICAL	S2	STORAGE, MEP SPACE	300 SF	GROSS	217 SF	1
SERRA ACCESSORY	-	ACCESSORY SPACE	0 SF	GROSS	364 SF	0
SERRA BALLROOM PARTITION 1	A3	ASSEMBLY - CONCENTRATED	7 SF	NET	8,871 SF	1268
SERRA BALLROOM PARTITION 2	A3	ASSEMBLY - CONCENTRATED	7 SF	NET	10,180 SF	1455
SERRA PREFUNCTION	A3	ASSEMBLY - CONCENTRATED	7 SF	NET	6,331 SF	905
SERRA STAGE	-	ACCESSORY SPACE	0 SF	GROSS	1,589 SF	0
SERVICE		STORAGE, MEP SPACE	300 SF	GROSS	4,612 SF	16
SHAFT	-	SHAFT	0 SF	GROSS	89 SF	0
SHAFT	-	SHAFT	0 SF	GROSS	166 SF	0
SHAFT	-	SHAFT	0 SF	GROSS	153 SF	0
SHAFT	-	SHAFT	0 SF	GROSS	146 SF	0
SHAFT	-	SHAFT	0 SF	GROSS	19 SF	0
SHAFT	-	SHAFT	0 SF	GROSS	19 SF	0
SHAFT	-	SHAFT	0 SF	GROSS	23 SF	0
SHAFT	-	SHAFT	0 SF	GROSS	23 SF	0
SHAFT	-	SHAFT	0 SF	GROSS	12 SF	0
SHAFT	-	SHAFT	0 SF	GROSS	12 SF	0
SHAFT	-	SHAFT	0 SF	GROSS	12 SF	0
SHAFT	-	SHAFT	0 SF	GROSS	12 SF	0
STAIR 1 AND TOILET ROOMS	-	ACCESSORY SPACE	0 SF	GROSS	1,693 SF	0
STAIR 3 & 5 AND CORRIDOR	-	ACCESSORY SPACE	0 SF	GROSS	1,636 SF	0
STAIR 11 & 12 AND TOILET ROOMS	-	ACCESSORY SPACE	0 SF	GROSS	1,823 SF	0
STORAGE		STORAGE, MEP SPACE	300 SF	GROSS	744 SF	3

EXIT WIDTH - LEVEL 1 - CONFIGURATION 2

AREA NAME	DOORS PROVIDED 0.15" PER OCC. OR 3'-0" MIN. (1005.3.2.1)	STAIRWAYS PROVIDED 0.20" PER OCC. OR 3'-8" MIN. (1005.3.1.1) (1009.4)	HORIZONTAL EXIT (1025.1)	MAXIMUM NUMBER OF OCC. PERMITTED BY TOTAL EXIT WIDTH PROVIDED	ASSUMED TOTAL NUMBER OF OCC.
SERRA BALLROOM PARTITION 1	3 DOORS @ 68" CLR OPENING EA. = 204" (1,360 OCC.)	1 STAIR @ 6'-4" = 76" (380 OCC.)	N/A	1,720 OCC.	1,268 OCC.
SERRA BALLROOM PARTITION 2	6 DOORS @ 68" CLR OPENING EA. = 408" (2,720 OCC.)	1 STAIR @ 6'-4" = 76" (380 OCC.)	N/A	3,100 OCC.	1,455 OCC.
DE ANZA BALLROOM PARTITION 1	2 DOORS @ 68" CLR OPENING EA. = 136" (907 OCC.)	N/A	299 OCC. ASSUMED	1,206 OCC.	599 OCC.
DE ANZA BALLROOM PARTITION 2	4 DOORS @ 68" CLR OPENING EA. = 272" (1,813 OCC.)	N/A	494 OCC. ASSUMED	2,307 OCC.	987 OCC.
LEVEL 01 MAIN EXITS	1 DOOR @ 72" CLR OPENING EA. = 72" (480 OCC.) 6 DOORS @ 76" CLR OPENING EA. = 456" (3,040 OCC.)	N/A	N/A	3,520 OCC.	3,470(L1)+130(ML) = 3,500 OCC.

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL
580 PACIFIC STREET, MONTEREY, CA 93940
TEL: (831) 646-5601

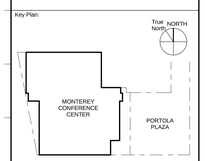
Architect:
SOM
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

Consultants:

Issued For:

No.	Description:	Date:
	60% PROJECT COMPLETION	15 MAY 2015
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015
1	ADDENDUM 1	11 SEPT 2015

Key Plan:



Seal & Signature:

LICENSED ARCHITECT
CLIFTON K. BOSWELL
C-26963
MAY 31 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:

CODE DIAGRAM - LEVEL 1 - CONFIGURATION 2

Project No.:	215004	Sheet No.:
Drawn By:	Author	A0.11.2
Checked By:	Checker	
Scale:	As indicated	

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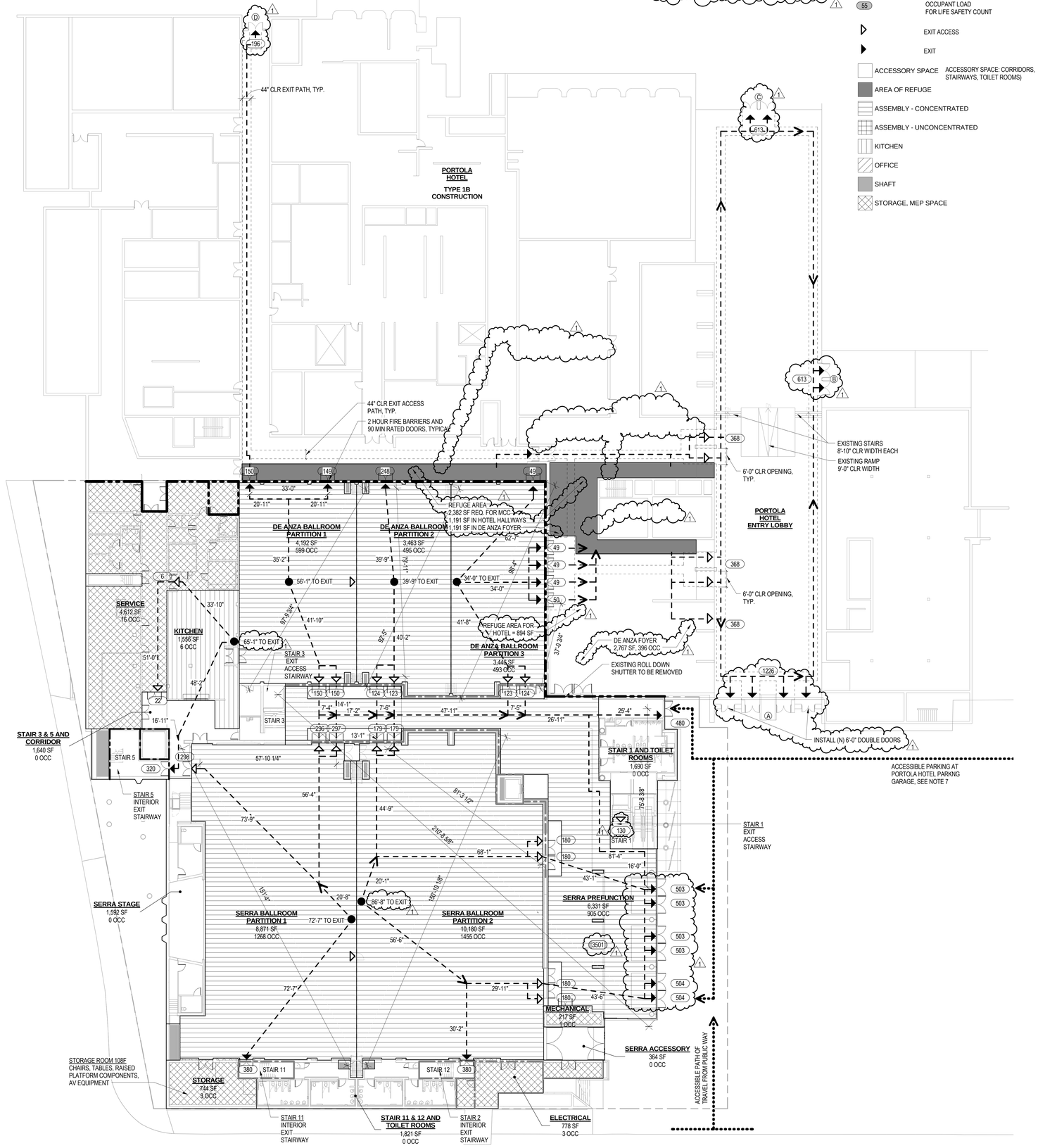
Agreement #: Ag-5097 - Page 334 of 529
Approved as to Form (City) (Date)

PORTOLA HOTEL OCCUPANT LOAD SEE SHEET 2.1 BY PAUL DAVIS ARCHITECTS			
	CLEAR OPENING WIDTH	MAX NUMBER OF OCC. ALLOWED	REQ'D WIDTH 0.2" PER OCC
A	24'-0"	1226	1226 X 0.2" = 20.43'
B	12'-0"	613	613 X 0.2" = 10.2'
C	12'-0"	613	613 X 0.2" = 10.2'
D	6'-0"	196	196 X 0.2" = 39.2'

CODE DIAGRAM LEGEND

- 1 HR FIRE-RESISTANCE RATING
- 2 HR FIRE-RESISTANCE RATING
- 1 HR FIRE-RESISTANCE RATING BASED ON DOOR RATINGS AND FIRE DAMPERS ON ORIGINAL DRAWINGS (SEE PROJECT INFO FOR ADD'L NOTE)
- EGRESS PATH OF TRAVEL
- ACCESSIBLE PATH OF TRAVEL
- 55 — ASSUMED OCCUPANT LOAD DISTRIBUTION
- 55 — OCCUPANT LOAD FOR LIFE SAFETY COUNT
- EXIT ACCESS
- EXIT
- ACCESSORY SPACE — ACCESSORY SPACE: CORRIDORS, STAIRWAYS, TOILET ROOMS)
- AREA OF REFUGE
- ASSEMBLY - CONCENTRATED
- ASSEMBLY - UNCONCENTRATED
- KITCHEN
- OFFICE
- SHAFT
- STORAGE, MEP SPACE



DE ANZA BALLROOM EXITING METHODOLOGY

1. DE ANZA BALLROOM EXITING WILL UTILIZE HORIZONTAL EXIT APPROACH, IN ACCORDANCE WITH SECTION 1025 OF THE 2013 EDITION OF CALIFORNIA BUILDING CODE (CBC).

2. MCC AND HOTEL IS SEPARATED BY A 2 HOUR FIRE BARRIER WALL CONSTRUCTION AND 90-MINUTE RATED DOORS IN ACCORDANCE WITH SECTION 1025.2. DISCHARGE FROM AREA OF REFUGE TO BE THROUGH HOTEL LOBBY AND HOTEL CORRIDOR.

3. EXISTING CONSTRUCTION OF THE 2 HOUR FIRE BARRIER BETWEEN MCC AND HOTEL IS 12-INCH THICK AND 24-IN THICK REINFORCED CONCRETE WALLS, AND OPENINGS OF 1-1/2 HR FIRE RESISTANCE RATING. PER 2013 CBC TABLE 722.2.1.1, MINIMUM THICKNESS FOR 2-HR FIRE-RESISTANT CONCRETE WALL IS 5-INCH.

4. HOTEL TO MAINTAIN REQUIRED REFUGE AREA AND EXIT PATH OF TRAVEL FROM DE ANZA BALLROOM TO HOTEL EXITS.

5. HOTEL TO VERIFY OCCUPANT LOAD AND EXITING OF THE HOTEL LOBBY AS REQUIRED.

6. AN AGREEMENT WILL BE DEVELOPED DOCUMENTING THE HORIZONTAL EXIT APPROACH, AND THE REFUGE AREA AND EXIT PATH OF TRAVEL FROM THE REFUGE AREA TO HOTEL EXITS WILL BE MAINTAINED AT ALL TIMES, INCLUDING HOTEL EVENTS, HOTEL RENOVATIONS AND HOTEL ADDITIONS.

7. COMPLEMENTING THESE CODE DIAGRAMS AND PRIOR TO FINAL OCCUPANCY, THE CONFERENCE CENTER AND THE PORTOLA HOTEL WILL RECORD AN AGREEMENT THAT, AMONG OTHER MATTERS, WILL MEMORIALIZE WITH LEGAL DESCRIPTIONS THE LOCATIONS OF THE DE ANZA BALLROOM OCCUPANTS' AREAS OF RFUGE WITHIN THE HOTEL AND THE CONFERENCE CENTER, AS WELL AS DESCRIBE THE REQUIRED EXITING PATHS FROM THOSE LOCATIONS THROUGH THE HOTEL AND CONFERENCE CENTER TO A PUBLIC RIGHT OF WAY OR THE EQUIVALENT. ALSO INCLUDED IN THAT AGREEMENT WILL BE LANGUAGE RELATED TO THE PORTOLA MAKING AVAILABLE THE EXISTING ADA COMPLIANT PARKING IN ITS PARKING FACILITY THAT CAN BE USED BY THE CONFERENCE CENTER.

PROJECT INFORMATION

1975 AGREEMENT BETWEEN CITY OF MONTEREY AND CUSTOM HOUSE HOTEL CO. STATES "FOR PURPOSES OF INTERPRETING THE BUILDING CODE REQUIREMENTS, THE CONFERENCE CENTER AND HOTEL HAVE BEEN CONSIDERED AS ONE STRUCTURE NECESSITATING CERTAIN EASEMENTS FOR EXITING PURPOSES."

PER 2013 CBC SECTION 508, NO OCCUPANCY SEPARATION IS REQUIRED BETWEEN SPACES OF THE SAME OCCUPANCY GROUP OR BETWEEN ACCESSORY OCCUPANCIES AND THE MAIN OCCUPANCY. HOWEVER, EXISTING DRAWINGS INDICATE 20-MINUTE FIRE RATED OPENINGS IN DE ANZA AND SERRA BALLROOMS FROM PRE-FUNCTION AND ALSO FIRE DAMPERS IN DUCTS PENETRATING WALLS AT SERRA BALLROOM, PRE-FUNCTION AND DE ANZA.
SOM ASSUMES THE EXISTING DESIGN INTENT AS PART OF 1975 AGREEMENT NOTED ABOVE AND IS MAINTAINING THE 1-HR FIRE-RESISTANCE RATING TO MATCH ORIGINAL DRAWINGS BEST TO OUR KNOWLEDGE.

OCCUPANCY SEPARATIONS:	NONE REQUIRED
APPLICABLE CODES:	2013 CALIFORNIA BUILDING CODE AND APPENDICES H I J 2013 MONTEREY CODE AMENDEMENTS 2013 EXISTING BUILDING CODE 2013 CALIFORNIA ENERGY CODE 2013 CALIFORNIA PLUMBING CODE 2013 CALIFORNIA ELECTRICAL CODE 2013 CALIFORNIA MECHANICAL CODE 2013 CALIFORNIA FIRE CODE 2012 INTERNATIONAL PROPERTY MAINTENANCE CODE (ORD. 3489) CALIFORNIA GOVERNMENT CODE SECTION 4216, PROTECTION OF UNDERGROUND INFRASTRUCTURE CAL OSHA-CALIFORNIA OCCUPATIONAL SAFETY HAZARD AUTHORITY CALIFORNIA ENERGY CODE , CALIFORNIA CODE OF REGULATIONS (TITLE 24 ENERGY EFFICIENCY STANDARDS) SFM/MFD - CALIFORNIA FIRE MARSHALL AND MONTEREY FIRE DEPARTMENT UL- UNDERWRITER'S LABORATORY, INC. ADAAG - AMERICAN WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES
CONSTRUCTION TYPE:	TYPE 1B
	PRIMARY STRUCTURAL FRAME — 2HR PRIMARY STRUCTURAL FRAME SUPPORTING ROOF ONLY — 1HR EXTERIOR BEARING WALLS — 2HR INTERIOR BEARING WALLS SUPPORTING ROOF ONLY — 1HR FLOOR CONSTRUCTION — 2HR ROOF CONSTRUCTION — 1HR SHAFT ENCLOSURES — 1HR STAIR ENCLOSURES — 1HR
SPRINKLER SYSTEM:	FULLY SPRINKLERED
FIRE ALARM:	YES
GROSS BUILDING AREA:	99,172SF
NUMBER OF STORIES:	2
BUILDING HEIGHT:	67' - 6"

EXIT AND EXIT ACCESS DOORWAYS PER SPACE
2013 CBC SECTION 1015

OCCUPANCY	OCCUPANT LOAD	NO. OF EXIT OR EXIT ACCESS DOORWAY
A, B	49 MAX.	1 MIN.
	50 - 500	2 MIN.
S	29 MAX.	1 MIN.
	30 - 500	2 MIN.
-	501-1,000	3 MIN.
-	> 1,000	4 MIN.

EXITS AND EXIT ACCESS DOORWAYS DISTANCE SEPARATION
2013 CBC PARAGRAPH 1015.2.1 EXCEPTION 2:

WHERE A BUILDING IS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM, THE SEPARATION DISTANCE OF THE EXIT DOORS OR EXIT ACCESS DOORWAYS SHALL NOT BE LESS THAN ONE-THIRD OF THE LENGTH OF THE MAXIMUM OVERALL DIAGONAL DIMENSION OF THE AREA SERVED.

EXIT ACCESS STAIRWAYS
2013 CBC PARAGRAPH 1009.3 EXCEPTION 1: IN OTHER THAN GROUP I-2, I-2.1, I-3 AND R-2.1 OCCUPANCIES, EXIT ACCESS STAIRWAYS THAT SERVE, OR ATMOSPHERICALLY COMMUNICATE BETWEEN, ONLY TWO STORIES ARE NOT REQUIRED TO BE ENCLOSED.

EXITS OR ACCESS TO EXITS PER STORY
2013 CBC SECTION 1021

OCCUPANT LOAD PER STORY	NO. OF EXITS OR ACCESS TO EXITS FROM STORY
1 - 500	2
501 - 1,000	3
MORE THAN 1,000	4

CODE TABLE - LEVEL 1 CONFIGURATION 3

AREA NAME	OCCUPANCY GROUP	OCCUPANCY DESCRIPTION	OCCUPANT LOAD FA	OLF SF PER OCC	FLOOR AREA	NUMBER OF OCCUPANT
ACCESSORY	-	ACCESSORY SPACE	0 SF	GROSS	209 SF	
ACCESSORY	-	ACCESSORY SPACE	0 SF	GROSS	199 SF	
ACCESSORY	-	ACCESSORY SPACE	0 SF	GROSS	122 SF	
ACCESSORY	-	ACCESSORY SPACE	0 SF	GROSS	108 SF	
ACCESSORY	-	ACCESSORY SPACE	0 SF	GROSS	131 SF	
ACCESSORY	-	ACCESSORY SPACE	0 SF	GROSS	104 SF	
DE ANZA BALLROOM PARTITION 1	A3	ASSEMBLY - CONCENTRATED	7 SF	NET	4,192 SF	599
DE ANZA BALLROOM PARTITION 2	A3	ASSEMBLY - CONCENTRATED	7 SF	NET	3,463 SF	495
DE ANZA BALLROOM PARTITION 3	A3	ASSEMBLY - CONCENTRATED	7 SF	NET	3,446 SF	493
ELECTRICAL	S2	STORAGE, MEP SPACE	300 SF	GROSS	778 SF	3
KITCHEN	A3	KITCHEN	300 SF	GROSS	1,556 SF	6
MECHANICAL	S2	STORAGE, MEP SPACE	300 SF	GROSS	217 SF	1
SERRA ACCESSORY	-	ACCESSORY SPACE	0 SF	GROSS	364 SF	0
SERRA BALLROOM PARTITION 1	A3	ASSEMBLY - CONCENTRATED	7 SF	NET	8,871 SF	1268
SERRA BALLROOM PARTITION 2	A3	ASSEMBLY - CONCENTRATED	7 SF	NET	10,180 SF	1455
SERRA PREFUNCTION	A3	ASSEMBLY - CONCENTRATED	7 SF	NET	6,331 SF	905
SERRA STAGE	-	ACCESSORY SPACE	0 SF	GROSS	1,592 SF	0
SERVICE	S2	STORAGE, MEP SPACE	300 SF	GROSS	4,612 SF	16
SHAFT	-	SHAFT	0 SF	GROSS	90 SF	0
SHAFT	-	SHAFT	0 SF	GROSS	146 SF	0
SHAFT	-	SHAFT	0 SF	GROSS	158 SF	0
SHAFT	-	SHAFT	0 SF	GROSS	160 SF	0
SHAFT	-	SHAFT	0 SF	GROSS	19 SF	0
SHAFT	-	SHAFT	0 SF	GROSS	19 SF	0
SHAFT	-	SHAFT	0 SF	GROSS	23 SF	0
SHAFT	-	SHAFT	0 SF	GROSS	23 SF	0
SHAFT	-	SHAFT	0 SF	GROSS	12 SF	0
SHAFT	-	SHAFT	0 SF	GROSS	12 SF	0
SHAFT	-	SHAFT	0 SF	GROSS	12 SF	0
SHAFT	-	SHAFT	0 SF	GROSS	12 SF	0
STAIR 1 AND TOILET ROOMS	-	ACCESSORY SPACE	0 SF	GROSS	1,690 SF	0
STAIR 3 & 5 AND CORRIDOR	-	ACCESSORY SPACE	0 SF	GROSS	1,640 SF	0
STAIR 11 & 12 AND TOILET ROOMS	-	ACCESSORY SPACE	0 SF	GROSS	1,821 SF	0
STORAGE	S2	STORAGE, MEP SPACE	300 SF	GROSS	744 SF	3

EXIT WIDTH - LEVEL 1 - CONFIGURATION 3

AREA NAME	DOORS PROVIDED 0.15" PER OCC. OR 3'-0" MIN. (1005.3.2.1)	STAIRWAYS PROVIDED 0.20" PER OCC. OR 3'-8" MIN. (1005.3.1.1) (1009.4)	HORIZONTAL EXIT (1025.1)	MAXIMUM NUMBER OF OCC. PERMITTED BY TOTAL EXIT WIDTH PROVIDED	ASSUMED TOTAL NUMBER OF OCC.
SERRA BALLROOM PARTITION 1	3 DOORS @ 68" CLR OPENING EA. = 204" (1,360 OCC.)	1 STAIR @ 6'-4" = 76" (380 OCC.)	N/A	1,740 OCC.	1,268 OCC.
SERRA BALLROOM PARTITION 2	6 DOORS @ 68" CLR OPENING EA. = 408" (2,720 OCC.)	1 STAIR @ 6'-4" = 76" (380 OCC.)	N/A	3,100 OCC.	1,455 OCC.
DE ANZA BALLROOM PARTITION 1	2 DOORS @ 68" CLR OPENING EA. = 136" (907 OCC.)	N/A	299 OCC. ASSUMED	1,206 OCC.	599 OCC.
DE ANZA BALLROOM PARTITION 2	2 DOORS @ 68" CLR OPENING EA. = 136" (907 OCC.)	N/A	248 OCC. ASSUMED	1,155 OCC.	495 OCC.
DE ANZA BALLROOM PARTITION 3	2 DOORS @ 68" CLR OPENING EA. = 136" (907 OCC.)	N/A	246 OCC. ASSUMED	1,153 OCC.	493 OCC.
LEVEL 01 MAIN EXITS	1 DOOR @ 72" CLR OPENING EA. = 72" (480 OCC.) 6 DOORS @ 76" CLR OPENING EA. = 456" (3,040 OCC.)	N/A	N/A	3,520 OCC.	3,471(L1) + 130(ML) = 3,501 OCC.

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ONE PORTOLA PLAZA

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TEL: (831) 646-5601

Architect:
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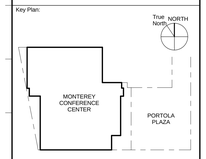
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

Consultants:

Issued For:

No.	Description:	Date:
	60% PROJECT COMPLETION	15 MAY 2015
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015
1	ADDENDUM 1	11 SEPT 2015

Key Plan:



Seal & Signature:

LICENSED ARCHITECT
CLIFTON K. BOSWELL
C-26963
MAY 31 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:

CODE DIAGRAM - LEVEL 1 - CONFIGURATION 3

Project No.:	Sheet No.:
215004	A0.11.3
Drawn By: Author	
Checked By: Checker	
Scale: As indicated	

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Agreement #: Ag-5097 - Page 334
Approved as to Form
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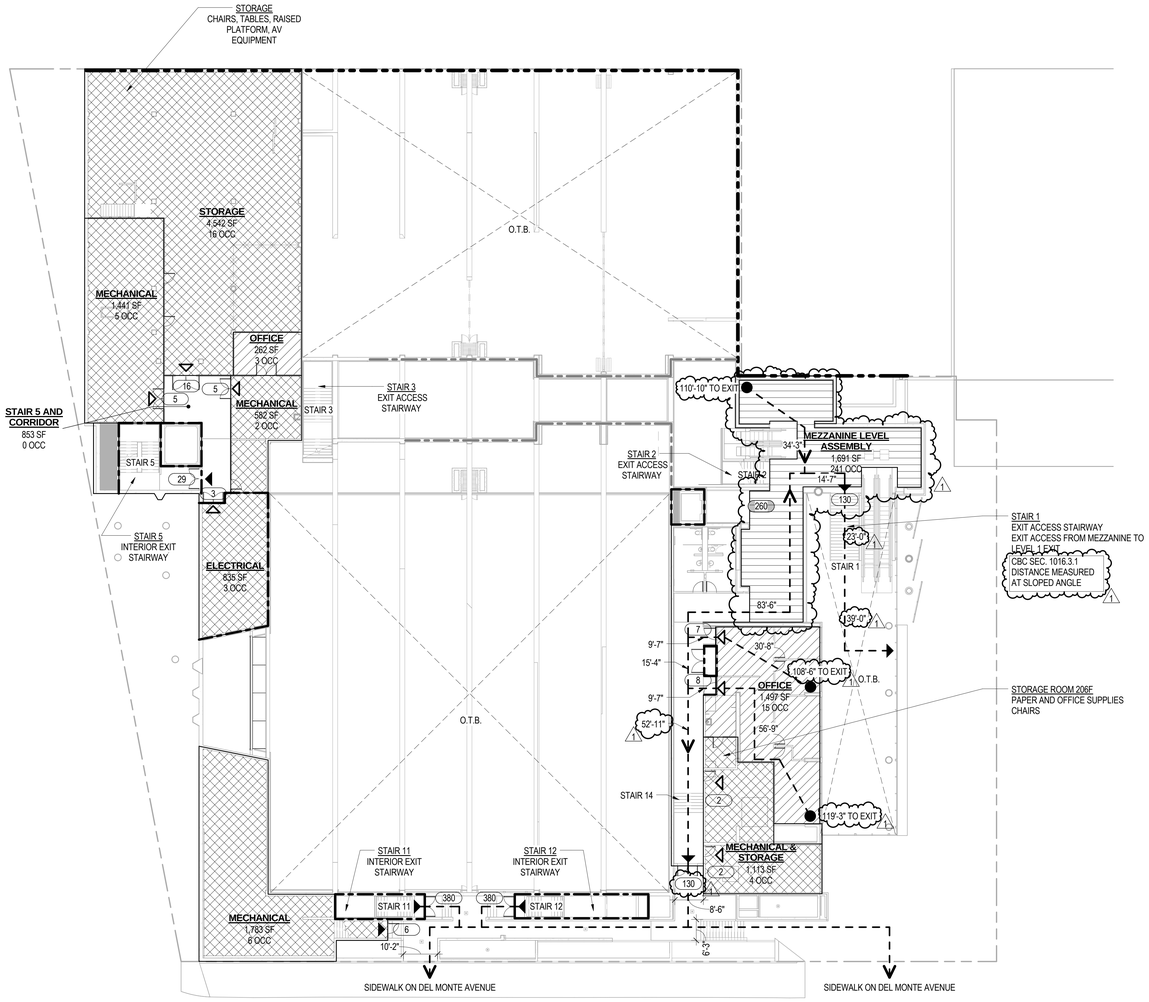

CODE DIAGRAM LEGEND

- 1 HR FIRE-RESISTANCE RATING
- 2 HR FIRE-RESISTANCE RATING
- 1 HR FIRE-RESISTANCE RATING BASED ON DOOR RATINGS AND FIRE DAMPERS ON ORIGINAL DRAWINGS (SEE PROJECT INFO FOR ADD'L NOTE)
- EGRESS PATH OF TRAVEL
- ACCESSIBLE PATH OF TRAVEL
- (55) ASSUMED OCCUPANT LOAD DISTRIBUTION
- (55) OCCUPANT LOAD FOR LIFE SAFETY COUNT
- EXIT ACCESS
- EXIT

ACCESSORY SPACE	ACCESSORY SPACE: CORRIDORS, STAIRWAYS, TOILET ROOMS)
AREA OF REFUGE	
ASSEMBLY - CONCENTRATED	
ASSEMBLY - UNCONCENTRATED	
KITCHEN	
OFFICE	
SHAFT	
STORAGE, MEP SPACE	

DE ANZA BALLROOM EXITING METHODOLOGY

1. DE ANZA BALLROOM EXITING WILL UTILIZE HORIZONTAL EXIT APPROACH, IN ACCORDANCE WITH SECTION 1025 OF THE 2013 EDITION OF CALIFORNIA BUILDING CODE (CBC).

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CONSTRUCTION TYPE:	TYPE 1B
	PRIMARY STRUCTURAL FRAME 2HR PRIMARY STRUCTURAL FRAME SUPPORTING ROOF ONLY 1HR EXTERIOR BEARING WALLS 2HR INTERIOR BEARING WALLS SUPPORTING ROOF ONLY 1HR FLOOR CONSTRUCTION 2HR ROOF CONSTRUCTION 1HR SHAFT ENCLOSURES 1HR STAIR ENCLOSURES 1HR
SPRINKLER SYSTEM:	FULLY SPRINKLERED
FIRE ALARM:	YES
GROSS BUILDING AREA:	99,172SF
NUMBER OF STORIES:	2
BUILDING HEIGHT:	67' - 6"

EXIT AND EXIT ACCESS DOORWAYS PER SPACE
2013 CBC SECTION 1015

OCCUPANCY	OCCUPANT LOAD	NO. OF EXIT OR EXIT ACCESS DOORWAY
A, B	49 MAX.	1 MIN.
	50 - 500	2 MIN.
S	29 MAX.	1 MIN.
	30 - 500	2 MIN.
-	501-1,000	3 MIN.
-	> 1,000	4 MIN.

EXITS AND EXIT ACCESS DOORWAYS DISTANCE SEPARATION
2013 CBC PARAGRAPH 1015.2.1 EXCEPTION 2:

WHERE A BUILDING IS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM, THE SEPARATION DISTANCE OF THE EXIT DOORS OR EXIT ACCESS DOORWAYS SHALL NOT BE LESS THAN ONE-THIRD OF THE LENGTH OF THE MAXIMUM OVERALL DIAGONAL DIMENSION OF THE AREA SERVED.

EXIT ACCESS STAIRWAYS
2013 CBC PARAGRAPH 1009.3 EXCEPTION 1: IN OTHER THAN GROUP I-2, I-2.1, I-3 AND R-2.1 OCCUPANCIES, EXIT ACCESS STAIRWAYS THAT SERVE, OR ATMOSPHERICALLY COMMUNICATE BETWEEN, ONLY TWO STORIES ARE NOT REQUIRED TO BE ENCLOSED.

EXITS OR ACCESS TO EXITS PER STORY
2013 CBC SECTION 1021

OCCUPANT LOAD PER STORY	NO. OF EXITS OR ACCESS TO EXITS FROM STORY
1 - 500	2
501 - 1,000	3
MORE THAN 1,000	4

CODE TABLE - MEZZANINE LEVEL

AREA NAME	OCCUPANCY GROUP	OCCUPANCY DESCRIPTION	OCCUPANT LOAD FACTOR	OLF SF PER OCCUPANT	FLOOR AREA	NUMBER OF OCCUPANTS
ELECTRICAL	S2	STORAGE, MEP SPACE	300 SF	GROSS	835 SF	3
MECHANICAL	S2	STORAGE, MEP SPACE	300 SF	GROSS	1783 SF	6
MECHANICAL	S2	STORAGE, MEP SPACE	300 SF	GROSS	582 SF	2
MECHANICAL	S2	STORAGE, MEP SPACE	300 SF	GROSS	1441 SF	5
MECHANICAL & STORAGE	S2	STORAGE, MEP SPACE	300 SF	GROSS	1113 SF	4
MEZZANINE LEVEL ASSEMBLY	A3	ASSEMBLY - CONCENTRATED	7 SF	NET	1691 SF	241
OFFICE	B	OFFICE	100 SF	GROSS	1497 SF	15
OFFICE	B	OFFICE	100 SF	GROSS	262 SF	3
SHAFT	-	SHAFT	0 SF	GROSS	103 SF	0
SHAFT	-	SHAFT	0 SF	GROSS	158 SF	0
SHAFT	-	SHAFT	0 SF	GROSS	156 SF	0
STAIR 5 AND CORRIDOR	-	ACCESSORY SPACE	0 SF	GROSS	853 SF	0
STORAGE	S2	STORAGE, MEP SPACE	300 SF	GROSS	4542 SF	16

EXIT WIDTH - MEZZANINE LEVEL

AREA NAME	DOORS PROVIDED 0.15" PER OCC. OR 3'-0" MIN. (1005.3.2.1)	STAIRWAYS PROVIDED 0.20" PER OCC. OR 3'-8" MIN. (1005.3.1.1) (1029.4)	HORIZONTAL EXIT (1025.1)	MAXIMUM NUMBER OF OCC. PERMITTED BY TOTAL EXIT WIDTH PROVIDED	ASSUMED TOTAL NUMBER OF OCC.
OFFICE & ASSEMBLY UNCONCENTRATED	1 DOOR @ 68" CLR OPENING EA. = 68" (453 OCC.)	1 STAIR @ 8'-4" = 100" (500 OCC)	N/A	953 OCC.	260 OCC.

2013 CBC SECTION 505 COMPLIANCE - MEZZANINE LEVEL

TOTAL AREA OF L1	TOTAL AREA OF MEZZANINE LEVEL	PERCENTAGE CBC 505.2.1, EXCEPTION
56,054 SF	17,030 SF	30.4% OF TOTAL L1 AREA

PER 2013 CBC PARAGRAPH 505.2.1, "THE AGGREGATE AREA OF A MEZZANINE OR MEZZANINES WITHIN A ROOM SHALL BE NOT GREATER THAN ONE-THIRD OF THE FLOOR AREA OF THAT ROOM OR SPACE IN WHICH THEY ARE LOCATED."

PER 2013 CBC PARAGRAPH 505.2.3 EXCEPTION 2, "A MEZZANINE HAVING TWO OR MORE MEANS OF EGRESS IS NOT REQUIRED TO BE OPEN TO THE ROOM IN WHICH THE MEZZANINE IS LOCATED IF AT LEAST ONE OF THE MEANS OF EGRESS PROVIDES DIRECT ACCESS TO AN EXIT FROM THE MEZZANINE LEVEL."

PER 2013 CBC PARAGRAPH 505.2.3 EXCEPTION 3, "MEZZANINES OR PORTIONS THEREOF ARE NOT REQUIRED TO BE OPEN TO THE ROOM IN WHICH THE MEZZANINES ARE LOCATED, PROVIDED THAT THE AGGREGATE FLOOR AREA OF THE ENCLOSED SPACE IS NOT GREATER THAN 10 PERCENT OF THE MEZZANINE AREA."

PER 2013 CBC PARAGRAPH 505.2.3 EXCEPTION 5, "IN OCCUPANCIES OTHER THAN GROUPS H AND I, THAT ARE NO MORE THAN TWO STORIES ABOVE GRADE PLAN AND EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.3.1.1, A MEZZANINE HAVING TWO OR MORE MEANS OF EGRESS SHALL NOT BE REQUIRED TO BE OPEN TO THE ROOM IN WHICH TEH MEZZANINE IS LOCATED."

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL
580 PACIFIC STREET, MONTEREY, CA 93940
TEL: (831) 646-5601

Architect:
SOM
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

Consultants:

Issued For:

No.	Description:	Date:
	60% PROJECT COMPLETION	15 MAY 2015
	PERMIT SET	15 JUNE 2015
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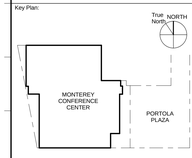
Key Plan:


Seal & Signature:
LICENSED ARCHITECT
CLIFTON K. BOSWELL
C-26963
MAY 31 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:
CODE DIAGRAM - MEZZANINE LEVEL

Project No.: 215004
Drawn By: Author
Checked By: Checker
Scale: As indicated

Sheet No.:
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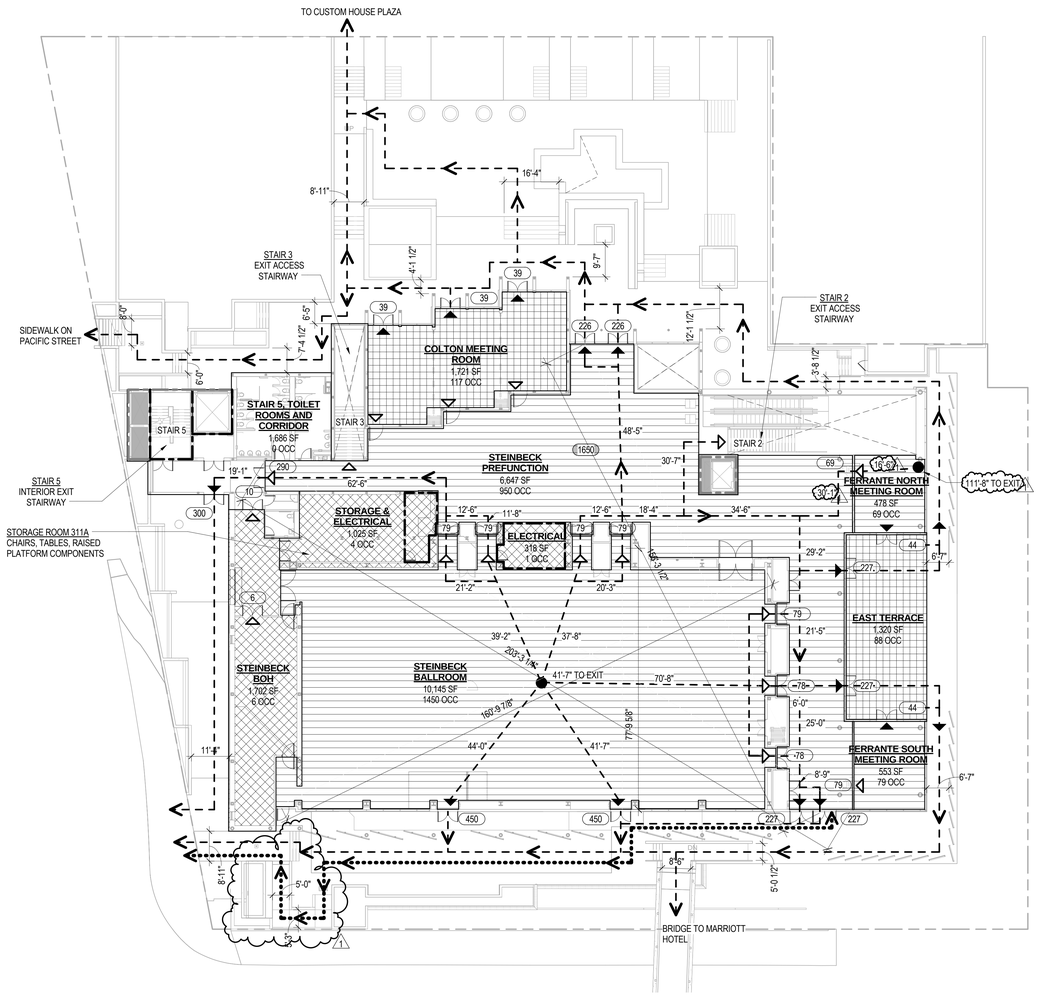

CODE DIAGRAM LEGEND

- 1 HR FIRE-RESISTANCE RATING
- 2 HR FIRE-RESISTANCE RATING
- 1 HR FIRE-RESISTANCE RATING BASED ON DOOR RATINGS AND FIRE DAMPERS ON ORIGINAL DRAWINGS (SEE PROJECT INFO FOR ADD'L NOTE)
- EGRESS PATH OF TRAVEL
- ACCESSIBLE PATH OF TRAVEL
- (55) ASSUMED OCCUPANT LOAD DISTRIBUTION
- (55) OCCUPANT LOAD FOR LIFE SAFETY COUNT
- EXIT ACCESS
- EXIT
- ACCESSORY SPACE — ACCESSORY SPACE: CORRIDORS, STAIRWAYS, TOILET ROOMS)
- AREA OF REFUGE
- ASSEMBLY - CONCENTRATED
- ASSEMBLY - UNCONCENTRATED
- KITCHEN
- OFFICE
- SHAFT
- STORAGE, MEP SPACE

DE ANZA BALLROOM EXITING METHODOLOGY

1. DE ANZA BALLROOM EXITING WILL UTILIZE HORIZONTAL EXIT APPROACH, IN ACCORDANCE WITH SECTION 1025 OF THE 2013 EDITION OF CALIFORNIA BUILDING CODE (CBC).

2. MCC AND HOTEL IS SEPARATED BY A 2 HOUR FIRE BARRIER WALL CONSTRUCTION AND 90-MINUTE RATED DOORS IN ACCORDANCE WITH SECTION 1025.2. DISCHARGE FROM AREA OF REFUGE TO BE THROUGH HOTEL LOBBY AND HOTEL CORRIDOR.

3. EXISTING CONSTRUCTION OF THE 2 HOUR FIRE BARRIER BETWEEN MCC AND HOTEL IS 12-INCH THICK AND 24-IN THICK REINFORCED CONCRETE WALLS, AND OPENINGS OF 1-1/2 HR FIRE RESISTANCE RATING. PER 2013 CBC TABLE 722.2.1.1, MINIMUM THICKNESS FOR 2-HR FIRE-RESISTANT CONCRETE WALL IS 5-INCH.

4. HOTEL TO MAINTAIN REQUIRED REFUGE AREA AND EXIT PATH OF TRAVEL FROM DE ANZA BALLROOM TO HOTEL EXITS.

5. HOTEL TO VERIFY OCCUPANT LOAD AND EXITING OF THE HOTEL LOBBY AS REQUIRED.

6. AN AGREEMENT WILL BE DEVELOPED DOCUMENTING THE HORIZONTAL EXIT APPROACH, AND THE REFUGE AREA AND EXIT PATH OF TRAVEL FROM THE REFUGE AREA TO HOTEL EXITS WILL BE MAINTAINED AT ALL TIMES, INCLUDING HOTEL EVENTS, HOTEL RENOVATIONS AND HOTEL ADDITIONS.

7. COMPLEMENTING THESE CODE DIAGRAMS AND PRIOR TO FINAL OCCUPANCY, THE CONFERENCE CENTER AND THE PORTOLA HOTEL WILL RECORD AN AGREEMENT THAT, AMONG OTHER MATTERS, WILL MEMORIALIZE WITH LEGAL DESCRIPTIONS THE LOCATIONS OF THE DE ANZA BALLROOM OCCUPANTS' AREAS OF RFUGE WITHIN THE HOTEL AND THE CONFERENCE CENTER, AS WELL AS DESCRIBE THE REQUIRED EXITING PATHS FROM THOSE LOCATIONS THROUGH THE HOTEL AND CONFERENCE CENTER TO A PUBLIC RIGHT OF WAY OR THE EQUIVALENT. ALSO INCLUDED IN THAT AGREEMENT WILL BE LANGUAGE RELATED TO THE PORTOLA MAKING AVAILABLE THE EXISTING ADA COMPLIANT PARKING IN ITS PARKING FACILITY THAT CAN BE USED BY THE CONFERENCE CENTER.

PROJECT INFORMATION

1975 AGREEMENT BETWEEN CITY OF MONTEREY AND CUSTOM HOUSE HOTEL CO. STATES "FOR PURPOSES OF INTERPRETING THE BUILDING CODE REQUIREMENTS, THE CONFERENCE CENTER AND HOTEL HAVE BEEN CONSIDERED AS ONE STRUCTURE NECESSITATING CERTAIN EASEMENTS FOR EXITING PURPOSES."

PER 2013 CBC SECTION 508, NO OCCUPANCY SEPARATION IS REQUIRED BETWEEN SPACES OF THE SAME OCCUPANCY GROUP OR BETWEEN ACCESSORY OCCUPANCIES AND THE MAIN OCCUPANCY. HOWEVER, EXISTING DRAWINGS INDICATE 20-MINUTE FIRE RATED OPENINGS IN DE ANZA AND SERRA BALLROOMS FROM PRE-FUNCTION AND ALSO FIRE DAMPERS IN DUCTS PENETRATING WALLS AT SERRA BALLROOM, PRE-FUNCTION AND DE ANZA.
SOM ASSUMES THE EXISTING DESIGN INTENT AS PART OF 1975 AGREEMENT NOTED ABOVE AND IS MAINTAINING THE 1-HR FIRE-RESISTANCE RATING TO MATCH ORIGINAL DRAWINGS BEST TO OUR KNOWLEDGE.

OCCUPANCY SEPARATIONS:	NONE REQUIRED
APPLICABLE CODES:	2013 CALIFORNIA BUILDING CODE AND APPENDICES H I J 2013 MONTEREY CODE AMENDEMENTS 2013 EXISTING BUILDING CODE 2013 CALIFORNIA ENERGY CODE 2013 CALIFORNIA PLUMBING CODE 2013 CALIFORNIA ELECTRICAL CODE 2013 CALIFORNIA MECHANICAL CODE 2013 CALIFORNIA FIRE CODE 2012 INTERNATIONAL PROPERTY MAINTENANCE CODE (ORD. 3489) CALIFORNIA GOVERNMENT CODE SECTION 4216, PROTECTION OF UNDERGROUND INFRASTRUCTURE CAL OSHA-CALIFORNIA OCCUPATIONAL SAFETY HAZARD AUTHORITY CALIFORNIA ENERGY CODE , CALIFORNIA CODE OF REGULATIONS (TITLE 24 ENERGY EFFICIENCY STANDARDS) SFM/MFD - CALIFORNIA FIRE MARSHALL AND MONTEREY FIRE DEPARTMENT UL- UNDERWRITER'S LABORATORY, INC. ADAAG - AMERICAN WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES
CONSTRUCTION TYPE:	TYPE 1B
	PRIMARY STRUCTURAL FRAME — 2HR PRIMARY STRUCTURAL FRAME SUPPORTING ROOF ONLY — 1HR EXTERIOR BEARING WALLS — 2HR INTERIOR BEARING WALLS SUPPORTING ROOF ONLY — 1HR FLOOR CONSTRUCTION — 2HR ROOF CONSTRUCTION — 1HR SHAFT ENCLOSURES — 1HR STAIR ENCLOSURES — 1HR
SPRINKLER SYSTEM:	FULLY SPRINKLERED
FIRE ALARM:	YES
GROSS BUILDING AREA:	99,172SF
NUMBER OF STORIES:	2
BUILDING HEIGHT:	67' - 6"

EXIT AND EXIT ACCESS DOORWAYS PER SPACE
2013 CBC SECTION 1015

OCCUPANCY	OCCUPANT LOAD	NO. OF EXIT OR EXIT ACCESS DOORWAY
A, B	49 MAX.	1 MIN.
	50 - 500	2 MIN.
S	29 MAX.	1 MIN.
	30 - 500	2 MIN.
-	501-1,000	3 MIN.
-	> 1,000	4 MIN.

EXITS AND EXIT ACCESS DOORWAYS DISTANCE SEPARATION
2013 CBC PARAGRAPH 1015.2.1 EXCEPTION 2:

WHERE A BUILDING IS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM, THE SEPARATION DISTANCE OF THE EXIT DOORS OR EXIT ACCESS DOORWAYS SHALL NOT BE LESS THAN ONE-THIRD OF THE LENGTH OF THE MAXIMUM OVERALL DIAGONAL DIMENSION OF THE AREA SERVED.

EXIT ACCESS STAIRWAYS
2013 CBC PARAGRAPH 1009.3 EXCEPTION 1: IN OTHER THAN GROUP I-2, I-2.1, I-3 AND R-2.1 OCCUPANCIES, EXIT ACCESS STAIRWAYS THAT SERVE, OR ATMOSPHERICALLY COMMUNICATE BETWEEN, ONLY TWO STORIES ARE NOT REQUIRED TO BE ENCLOSED.

EXITS OR ACCESS TO EXITS PER STORY
2013 CBC SECTION 1021

OCCUPANT LOAD PER STORY	NO. OF EXITS OR ACCESS TO EXITS FROM STORY
1 - 500	2
501 - 1,000	3
MORE THAN 1,000	4

CODE TABLE - LEVEL 2 CONFIGURATION 1

AREA NAME	OCCUPANCY GROUP	OCCUPANCY DESCRIPTION	OCCUPANT LOAD FACTOR	OLF SF PER OCCUPANT	FLOOR AREA	NUMBER OF OCCUPANTS
COLTON MEETING ROOM	A3	ASSEMBLY - UNCONCENTRATED	15 SF	NET	1721 SF	117
EAST TERRACE	A3	ASSEMBLY - UNCONCENTRATED	15 SF	NET	1320 SF	88
ELECTRICAL	S2	STORAGE, MEP SPACE	300 SF	GROSS	318 SF	1
FERRANTE NORTH MEETING ROOM	A3	ASSEMBLY - CONCENTRATED	7 SF	NET	478 SF	69
FERRANTE SOUTH MEETING ROOM	A3	ASSEMBLY - CONCENTRATED	7 SF	NET	553 SF	79
SHAFT	-	SHAFT	0 SF	GROSS	140 SF	0
SHAFT	-	SHAFT	0 SF	GROSS	154 SF	0
SHAFT	-	SHAFT	0 SF	GROSS	146 SF	0
STAIR 5, TOILET ROOMS AND CORRIDOR	-	ACCESSORY SPACE	0 SF	GROSS	1686 SF	0
STEINBECK BOH	S2	STORAGE, MEP SPACE	300 SF	GROSS	1702 SF	6
STEINBECK BALLROOM	A3	ASSEMBLY - CONCENTRATED	7 SF	NET	10145 SF	1450
STEINBECK PREFUNCTION	A3	ASSEMBLY - CONCENTRATED	7 SF	NET	6647 SF	950
STORAGE & ELECTRICAL	S2	STORAGE, MEP SPACE	300 SF	GROSS	1025 SF	4

EXIT WIDTH - LEVEL 02 - CONFIGURATION 1

AREA NAME	DOORS PROVIDED 0.15" PER OCC. OR 3'-0" MIN. (1005.3.2.1)	STAIRWAYS PROVIDED 0.20" PER OCC. OR 3'-8" MIN. (1005.3.1.1) (1009.4)	HORIZONTAL EXIT (1025.1)	MAXIMUM NUMBER OF OCC. PERMITTED BY TOTAL EXIT WIDTH PROVIDED	ASSUMED TOTAL NUMBER OF OCC.
STEINBECK BALLROOM	9 DOORS @ 68" CLR OPENING EA. = 612" (4,080 OCC.)	N/A	N/A	4,080 OCC.	1,450 OCC.
LEVEL 02 MAIN EXITS	3 DOORS @ 68" CLR OPENING EA. = 204" (1,360 OCC.) 2 DOORS @ 78" CLR OPENING EA. = 156" (1,040 OCC.) 2 DOORS @ 68.5" CLR OPENING EA. = 137" (913 OCC.)	N/A	N/A	3,313 OCC.	1,650 OCC.

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Architect:
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Consultants:

Issued For:

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	90% PROJECT COMPLETION	28 JULY 2015
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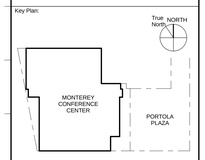
Key Plan:



Seal & Signature:

LICENSED ARCHITECT
CLIFTON K. BOSWELL
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MAY 31 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:

CODE DIAGRAM - LEVEL 2 - CONFIGURATION 1

Project No.: 215004
Drawn By: Author
Checked By: Checker
Scale: As indicated

Sheet No.: A0.13.1

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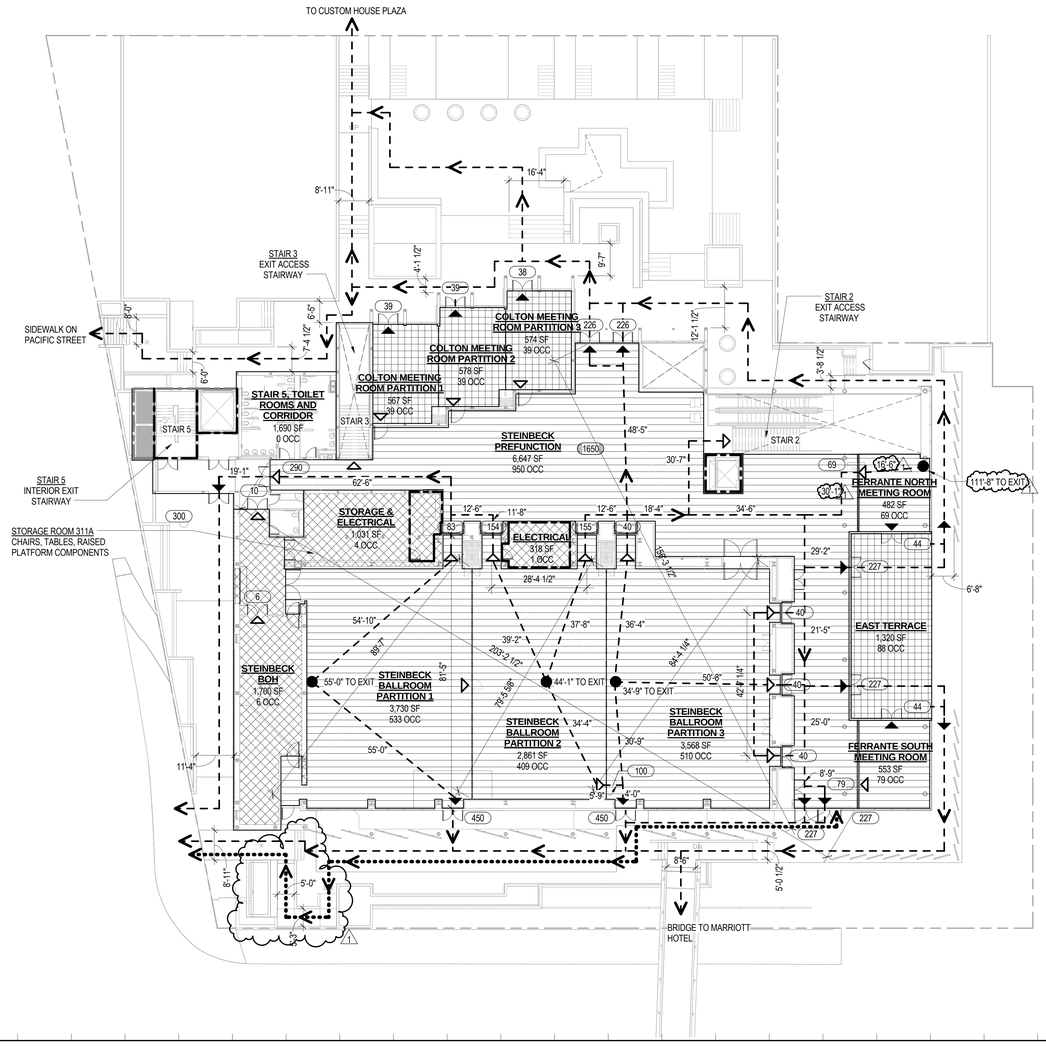
By



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- 2 HR FIRE-RESISTANCE RATING
- 1 HR FIRE-RESISTANCE RATING BASED ON DOOR RATINGS AND FIRE DAMPERS ON ORIGINAL DRAWINGS (SEE PROJECT INFO FOR ADD'L NOTE)
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- (55) OCCUPANT LOAD FOR LIFE SAFETY COUNT
- EXIT ACCESS
- EXIT
- ACCESSORY SPACE — ACCESSORY SPACE: CORRIDORS, STAIRWAYS, TOILET ROOMS)
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CONSTRUCTION TYPE:	TYPE 1B
	PRIMARY STRUCTURAL FRAME — 2HR PRIMARY STRUCTURAL FRAME SUPPORTING ROOF ONLY — 1HR EXTERIOR BEARING WALLS — 2HR INTERIOR BEARING WALLS SUPPORTING ROOF ONLY — 1HR FLOOR CONSTRUCTION — 2HR ROOF CONSTRUCTION — 1HR SHAFT ENCLOSURES — 1HR STAIR ENCLOSURES — 1HR
SPRINKLER SYSTEM:	FULLY SPRINKLERED
FIRE ALARM:	YES
GROSS BUILDING AREA:	99,172SF
NUMBER OF STORIES:	2
BUILDING HEIGHT:	67' - 6"

EXIT AND EXIT ACCESS DOORWAYS PER SPACE
2013 CBC SECTION 1015

OCCUPANCY	OCCUPANT LOAD	NO. OF EXIT OR EXIT ACCESS DOORWAY
A, B	49 MAX.	1 MIN.
	50 - 500	2 MIN.
S	29 MAX.	1 MIN.
	30 - 500	2 MIN.
-	501-1,000	3 MIN.
-	> 1,000	4 MIN.

EXITS AND EXIT ACCESS DOORWAYS DISTANCE SEPARATION
2013 CBC PARAGRAPH 1015.2.1 EXCEPTION 2:

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EXIT ACCESS STAIRWAYS
2013 CBC PARAGRAPH 1009.3 EXCEPTION 1: IN OTHER THAN GROUP I-2, I-2.1, I-3 AND R-2.1 OCCUPANCIES, EXIT ACCESS STAIRWAYS THAT SERVE, OR ATMOSPHERICALLY COMMUNICATE BETWEEN, ONLY TWO STORIES ARE NOT REQUIRED TO BE ENCLOSED.

EXITS OR ACCESS TO EXITS PER STORY
2013 CBC SECTION 1021

OCCUPANT LOAD PER STORY	NO. OF EXITS OR ACCESS TO EXITS FROM STORY
1 - 500	2
501 - 1,000	3
MORE THAN 1,000	4

CODE TABLE - LEVEL 2 CONFIGURATION 2

AREA NAME	OCCUPANCY GROUP	OCCUPANCY DESCRIPTION	OCCUPANT LOAD FACTOR		OLF SF PER OCC	FLOOR AREA	NUMBER OF OCCUPANT
COLTON MEETING ROOM PARTITION 1	A3	ASSEMBLY - UNCONCENTRATED	15 SF	NET		567 SF	39
COLTON MEETING ROOM PARTITION 2	A3	ASSEMBLY - UNCONCENTRATED	15 SF	NET		578 SF	39
COLTON MEETING ROOM PARTITION 3	A3	ASSEMBLY - UNCONCENTRATED	15 SF	NET		574 SF	39
EAST TERRACE	A3	ASSEMBLY - UNCONCENTRATED	15 SF	NET		1,320 SF	88
ELECTRICAL	S2	STORAGE, MEP SPACE	300 SF	GROSS		318 SF	1
FERRANTE NORTH MEETING ROOM	A3	ASSEMBLY - CONCENTRATED	7 SF	NET		482 SF	69
FERRANTE SOUTH MEETING ROOM	A3	ASSEMBLY - CONCENTRATED	7 SF	NET		553 SF	79
SHAFT	-	SHAFT	0 SF	GROSS		155 SF	0
SHAFT	-	SHAFT	0 SF	GROSS		141 SF	0
STAIR 5, TOILET ROOMS AND CORRIDOR	-	ACCESSORY SPACE	0 SF	GROSS		1,690 SF	0
STEINBECK BOH	S2	STORAGE, MEP SPACE	300 SF	GROSS		1,700 SF	6
STEINBECK BALLROOM PARTITION 1	A3	ASSEMBLY - CONCENTRATED	7 SF	NET		3,730 SF	533
STEINBECK BALLROOM PARTITION 2	A3	ASSEMBLY - CONCENTRATED	7 SF	NET		2,861 SF	409
STEINBECK BALLROOM PARTITION 3	A3	ASSEMBLY - CONCENTRATED	7 SF	NET		3,568 SF	510
STEINBECK PREFUNCTION	A3	ASSEMBLY - CONCENTRATED	7 SF	NET		6,647 SF	950
STORAGE & ELECTRICAL	S2	STORAGE, MEP SPACE	300 SF	GROSS		1,031 SF	4

EXIT WIDTH - LEVEL 02 - CONFIGURATION 2

AREA NAME	DOORS PROVIDED 0.15" PER OCC. OR 3'-0" MIN. (1005.3.2.1)	STAIRWAYS PROVIDED 0.20" PER OCC. OR 3'-8" MIN. (1005.3.1.1) (1009.4)	HORIZONTAL EXIT (1025.1)	MAXIMUM NUMBER OF OCC. PERMITTED BY TOTAL EXIT WIDTH PROVIDED	ASSUMED TOTAL NUMBER OF OCC.
STEINBECK BALLROOM PARTITION 1	2 DOORS @ 68" CLR OPENING EA. = 136" (907 OCC.) 1 DOOR @ 34" CLR OPENING = 34" (227 OCC.)	N/A	N/A	1,134 OCC.	533 OCC.
STEINBECK BALLROOM PARTITION 2	2 DOORS @ 68" CLR OPENING EA. = 136" (907 OCC.) 1 DOOR @ 34" CLR OPENING = 34" (227 OCC.)	N/A	N/A	1,134 OCC.	409 OCC.
STEINBECK BALLROOM PARTITION 3	5 DOORS @ 68" CLR OPENING EA. = 340" (2,267 OCC.)	N/A	N/A	2,267 OCC.	510 OCC.
LEVEL 02 MAIN EXITS	3 DOORS @ 68" CLR OPENING EA. = 204" (1,360 OCC.) 2 DOORS @ 78" CLR OPENING EA. = 156" (1,040 OCC.) 2 DOORS @ 68.5" CLR OPENING EA. = 137" (913 OCC.)	N/A	N/A	3,313 OCC.	1,650 OCC.

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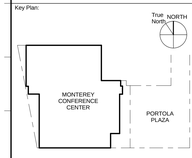

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CODE DIAGRAM - LEVEL 2 - CONFIGURATION 2

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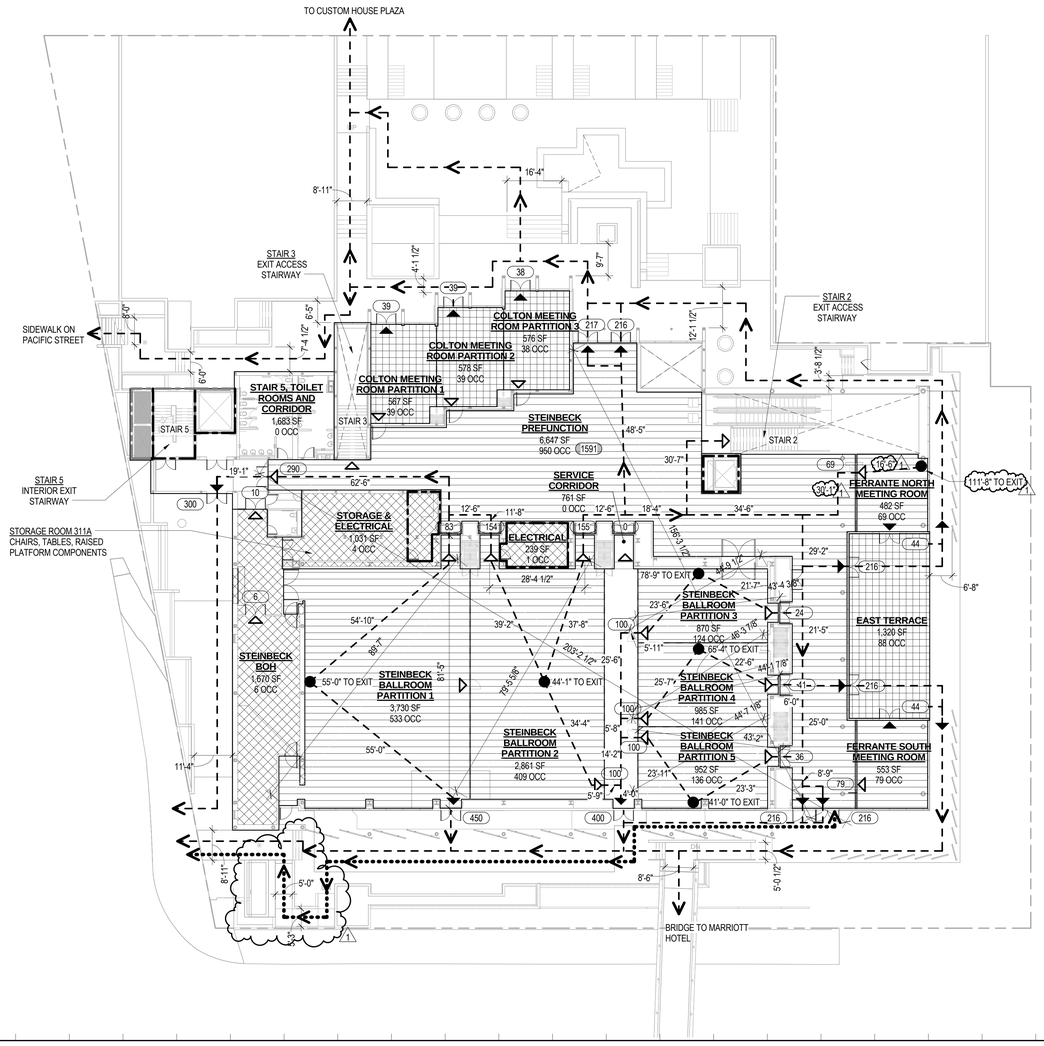

CODE DIAGRAM LEGEND

- 1 HR FIRE-RESISTANCE RATING
- 2 HR FIRE-RESISTANCE RATING
- 1 HR FIRE-RESISTANCE RATING BASED ON DOOR RATINGS AND FIRE DAMPERS ON ORIGINAL DRAWINGS (SEE PROJECT INFO FOR ADD'L NOTE)
- EGRESS PATH OF TRAVEL
- ACCESSIBLE PATH OF TRAVEL
- (55) ASSUMED OCCUPANT LOAD DISTRIBUTION
- (55) OCCUPANT LOAD FOR LIFE SAFETY COUNT
- EXIT ACCESS
- EXIT
- ACCESSORY SPACE — ACCESSORY SPACE: CORRIDORS, STAIRWAYS, TOILET ROOMS)
- AREA OF REFUGE
- ASSEMBLY - CONCENTRATED
- ASSEMBLY - UNCONCENTRATED
- KITCHEN
- OFFICE
- SHAFT
- STORAGE, MEP SPACE

DE ANZA BALLROOM EXITING METHODOLOGY

1. DE ANZA BALLROOM EXITING WILL UTILIZE HORIZONTAL EXIT APPROACH, IN ACCORDANCE WITH SECTION 1025 OF THE 2013 EDITION OF CALIFORNIA BUILDING CODE (CBC).

2. MCC AND HOTEL IS SEPARATED BY A 2 HOUR FIRE BARRIER WALL CONSTRUCTION AND 90-MINUTE RATED DOORS IN ACCORDANCE WITH SECTION 1025.2. DISCHARGE FROM AREA OF REFUGE TO BE THROUGH HOTEL LOBBY AND HOTEL CORRIDOR.

3. EXISTING CONSTRUCTION OF THE 2 HOUR FIRE BARRIER BETWEEN MCC AND HOTEL IS 12-INCH THICK AND 24-IN THICK REINFORCED CONCRETE WALLS, AND OPENINGS OF 1-1/2 HR FIRE RESISTANCE RATING. PER 2013 CBC TABLE 722.2.1.1, MINIMUM THICKNESS FOR 2-HR FIRE-RESISTANT CONCRETE WALL IS 5-INCH.

4. HOTEL TO MAINTAIN REQUIRED REFUGE AREA AND EXIT PATH OF TRAVEL FROM DE ANZA BALLROOM TO HOTEL EXITS.

5. HOTEL TO VERIFY OCCUPANT LOAD AND EXITING OF THE HOTEL LOBBY AS REQUIRED.

6. AN AGREEMENT WILL BE DEVELOPED DOCUMENTING THE HORIZONTAL EXIT APPROACH, AND THE REFUGE AREA AND EXIT PATH OF TRAVEL FROM THE REFUGE AREA TO HOTEL EXITS WILL BE MAINTAINED AT ALL TIMES, INCLUDING HOTEL EVENTS, HOTEL RENOVATIONS AND HOTEL ADDITIONS.

7. COMPLEMENTING THESE CODE DIAGRAMS AND PRIOR TO FINAL OCCUPANCY, THE CONFERENCE CENTER AND THE PORTOLA HOTEL WILL RECORD AN AGREEMENT THAT, AMONG OTHER MATTERS, WILL MEMORIALIZE WITH LEGAL DESCRIPTIONS THE LOCATIONS OF THE DE ANZA BALLROOM OCCUPANTS' AREAS OF RFUGE WITHIN THE HOTEL AND THE CONFERENCE CENTER, AS WELL AS DESCRIBE THE REQUIRED EXITING PATHS FROM THOSE LOCATIONS THROUGH THE HOTEL AND CONFERENCE CENTER TO A PUBLIC RIGHT OF WAY OR THE EQUIVALENT. ALSO INCLUDED IN THAT AGREEMENT WILL BE LANGUAGE RELATED TO THE PORTOLA MAKING AVAILABLE THE EXISTING ADA COMPLIANT PARKING IN ITS PARKING FACILITY THAT CAN BE USED BY THE CONFERENCE CENTER.

PROJECT INFORMATION

1975 AGREEMENT BETWEEN CITY OF MONTEREY AND CUSTOM HOUSE HOTEL CO. STATES "FOR PURPOSES OF INTERPRETING THE BUILDING CODE REQUIREMENTS, THE CONFERENCE CENTER AND HOTEL HAVE BEEN CONSIDERED AS ONE STRUCTURE NECESSITATING CERTAIN EASEMENTS FOR EXITING PURPOSES."

PER 2013 CBC SECTION 508, NO OCCUPANCY SEPARATION IS REQUIRED BETWEEN SPACES OF THE SAME OCCUPANCY GROUP OR BETWEEN ACCESSORY OCCUPANCIES AND THE MAIN OCCUPANCY. HOWEVER, EXISTING DRAWINGS INDICATE 20-MINUTE FIRE RATED OPENINGS IN DE ANZA AND SERRA BALLROOMS FROM PRE-FUNCTION AND ALSO FIRE DAMPERS IN DUCTS PENETRATING WALLS AT SERRA BALLROOM, PRE-FUNCTION AND DE ANZA.
SOM ASSUMES THE EXISTING DESIGN INTENT AS PART OF 1975 AGREEMENT NOTED ABOVE AND IS MAINTAINING THE 1-HR FIRE-RESISTANCE RATING TO MATCH ORIGINAL DRAWINGS BEST TO OUR KNOWLEDGE.

OCCUPANCY SEPARATIONS:	NONE REQUIRED
APPLICABLE CODES:	2013 CALIFORNIA BUILDING CODE AND APPENDICES H I J 2013 MONTEREY CODE AMENDEMENTS 2013 EXISTING BUILDING CODE 2013 CALIFORNIA ENERGY CODE 2013 CALIFORNIA PLUMBING CODE 2013 CALIFORNIA ELECTRICAL CODE 2013 CALIFORNIA MECHANICAL CODE 2013 CALIFORNIA FIRE CODE 2012 INTERNATIONAL PROPERTY MAINTENANCE CODE (ORD. 3489) CALIFORNIA GOVERNMENT CODE SECTION 4216, PROTECTION OF UNDERGROUND INFRASTRUCTURE CAL OSHA-CALIFORNIA OCCUPATIONAL SAFETY HAZARD AUTHORITY CALIFORNIA ENERGY CODE , CALIFORNIA CODE OF REGULATIONS (TITLE 24 ENERGY EFFICIENCY STANDARDS) SFM/MFD - CALIFORNIA FIRE MARSHALL AND MONTEREY FIRE DEPARTMENT UL- UNDERWRITER'S LABORATORY, INC. ADAAG - AMERICAN WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES
CONSTRUCTION TYPE:	TYPE 1B
	PRIMARY STRUCTURAL FRAME — 2HR PRIMARY STRUCTURAL FRAME SUPPORTING ROOF ONLY — 1HR EXTERIOR BEARING WALLS — 2HR INTERIOR BEARING WALLS SUPPORTING ROOF ONLY — 1HR FLOOR CONSTRUCTION — 2HR ROOF CONSTRUCTION — 1HR SHAFT ENCLOSURES — 1HR STAIR ENCLOSURES — 1HR
SPRINKLER SYSTEM:	FULLY SPRINKLERED
FIRE ALARM:	YES
GROSS BUILDING AREA:	99,172SF
NUMBER OF STORIES:	2
BUILDING HEIGHT:	67' - 6"

EXIT AND EXIT ACCESS DOORWAYS PER SPACE
2013 CBC SECTION 1015

OCCUPANCY	OCCUPANT LOAD	NO. OF EXIT OR EXIT ACCESS DOORWAY
A, B	49 MAX.	1 MIN.
	50 - 500	2 MIN.
S	29 MAX.	1 MIN.
	30 - 500	2 MIN.
-	501-1,000	3 MIN.
-	> 1,000	4 MIN.

EXITS AND EXIT ACCESS DOORWAYS DISTANCE SEPARATION
2013 CBC PARAGRAPH 1015.2.1 EXCEPTION 2:

WHERE A BUILDING IS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM, THE SEPARATION DISTANCE OF THE EXIT DOORS OR EXIT ACCESS DOORWAYS SHALL NOT BE LESS THAN ONE-THIRD OF THE LENGTH OF THE MAXIMUM OVERALL DIAGONAL DIMENSION OF THE AREA SERVED.

EXIT ACCESS STAIRWAYS
2013 CBC PARAGRAPH 1009.3 EXCEPTION 1: IN OTHER THAN GROUP I-2, I-2.1, I-3 AND R-2.1 OCCUPANCIES, EXIT ACCESS STAIRWAYS THAT SERVE, OR ATMOSPHERICALLY COMMUNICATE BETWEEN, ONLY TWO STORIES ARE NOT REQUIRED TO BE ENCLOSED.

EXITS OR ACCESS TO EXITS PER STORY
2013 CBC SECTION 1021

OCCUPANT LOAD PER STORY	NO. OF EXITS OR ACCESS TO EXITS FROM STORY
1 - 500	2
501 - 1,000	3
MORE THAN 1,000	4

CODE TABLE - LEVEL 2 CONFIGURATION 3

AREA NAME	OCCUPANCY GROUP	OCCUPANCY DESCRIPTION	OCCUPANT LOAD FACTOR	OLF SF PER OCC	FLOOR AREA	NUMBER OF OCCUPANT
COLTON MEETING ROOM PARTITION 1	A3	ASSEMBLY - UNCONCENTRATED	15 SF	NET	567 SF	39
COLTON MEETING ROOM PARTITION 2	A3	ASSEMBLY - UNCONCENTRATED	15 SF	NET	578 SF	39
COLTON MEETING ROOM PARTITION 3	A3	ASSEMBLY - UNCONCENTRATED	15 SF	NET	576 SF	38
EAST TERRACE	A3	ASSEMBLY - UNCONCENTRATED	15 SF	NET	1,320 SF	88
ELECTRICAL	S2	STORAGE, MEP SPACE	300 SF	GROSS	239 SF	1
FERRANTE NORTH MEETING ROOM	A3	ASSEMBLY - CONCENTRATED	7 SF	NET	482 SF	69
FERRANTE SOUTH MEETING ROOM	A3	ASSEMBLY - CONCENTRATED	7 SF	NET	553 SF	79
SERVICE CORRIDOR	-	ACCESSORY SPACE	0 SF	NET	761 SF	0
SHAFT	-	SHAFT	0 SF	GROSS	146 SF	0
SHAFT	-	SHAFT	0 SF	GROSS	155 SF	0
STAIR 5, TOILET ROOMS AND CORRIDOR	-	ACCESSORY SPACE	0 SF	GROSS	1,683 SF	0
STEINBECK BOH	S2	STORAGE, MEP SPACE	300 SF	GROSS	1,670 SF	6
STEINBECK BALLROOM PARTITION 1	A3	ASSEMBLY - CONCENTRATED	7 SF	NET	3,730 SF	533
STEINBECK BALLROOM PARTITION 2	A3	ASSEMBLY - CONCENTRATED	7 SF	NET	2,861 SF	409
STEINBECK BALLROOM PARTITION 3	A3	ASSEMBLY - CONCENTRATED	7 SF	NET	870 SF	124
STEINBECK BALLROOM PARTITION 4	A3	ASSEMBLY - CONCENTRATED	7 SF	NET	985 SF	141
STEINBECK BALLROOM PARTITION 5	A3	ASSEMBLY - CONCENTRATED	7 SF	NET	952 SF	136
STEINBECK PREFUNCTION	A3	ASSEMBLY - CONCENTRATED	7 SF	NET	6,647 SF	950
STORAGE & ELECTRICAL	S2	STORAGE, MEP SPACE	300 SF	GROSS	1,031 SF	4

EXIT WIDTH - LEVEL 02 - CONFIGURATION 3

AREA NAME	DOORS PROVIDED 0.15" PER OCC. OR 3'-0" MIN. (1005.3.2.1)	STAIRWAYS PROVIDED 0.20" PER OCC. OR 3'-8" MIN. (1005.3.1.1) (1009.4)	HORIZONTAL EXIT (1025.1)	MAXIMUM NUMBER OF OCC. PERMITTED BY TOTAL EXIT WIDTH PROVIDED	ASSUMED TOTAL NUMBER OF OCC.
STEINBECK BALLROOM PARTITION 1	2 DOORS @ 68" CLR OPENING EA. = 136" (907 OCC.) 1 DOOR @ 34" CLR OPENING = 34" (227 OCC.)	N/A	N/A	1,134 OCC.	533 OCC.
STEINBECK BALLROOM PARTITION 2	2 DOORS @ 68" CLR OPENING EA. = 136" (907 OCC.) 1 DOOR @ 34" CLR OPENING = 34" (227 OCC.)	N/A	N/A	1,134 OCC.	409 OCC.
STEINBECK BALLROOM PARTITION 3	1 DOOR @ 68" CLR OPENING = 68" (454OCC.) 1 DOOR @ 34" CLR OPENING = 34" (227 OCC.)	N/A	N/A	681 OCC.	124 OCC.
STEINBECK BALLROOM PARTITION 4	1 DOOR @ 68" CLR OPENING = 68" (454OCC.) 1 DOOR @ 34" CLR OPENING = 34" (227 OCC.)	N/A	N/A	681 OCC.	141 OCC.
STEINBECK BALLROOM PARTITION 5	1 DOOR @ 68" CLR OPENING = 68" (454OCC.) 1 DOOR @ 34" CLR OPENING = 34" (227 OCC.)	N/A	N/A	681 OCC.	136 OCC.
LEVEL 02 MAIN EXITS	3 DOORS @ 68" CLR OPENING EA. = 204" (1,360 OCC.) 2 DOORS @ 78" CLR OPENING EA. = 156" (1,040 OCC.) 2 DOORS @ 68.5" CLR OPENING EA. = 137" (913 OCC.)	N/A	N/A	3,313 OCC.	1,591 OCC.

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

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CITY HALL
580 PACIFIC STREET, MONTEREY, CA 93940
TEL: (831) 646-5601

Architect:
SOM
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
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Consultants:

Issued For:

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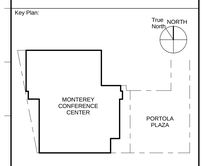

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LICENSED ARCHITECT
CLIFTON K. BOSWELL
C-26963
MAY 31 2017
RENEWAL DATE
STATE OF CALIFORNIA

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CODE DIAGRAM - LEVEL 2 - CONFIGURATION 3

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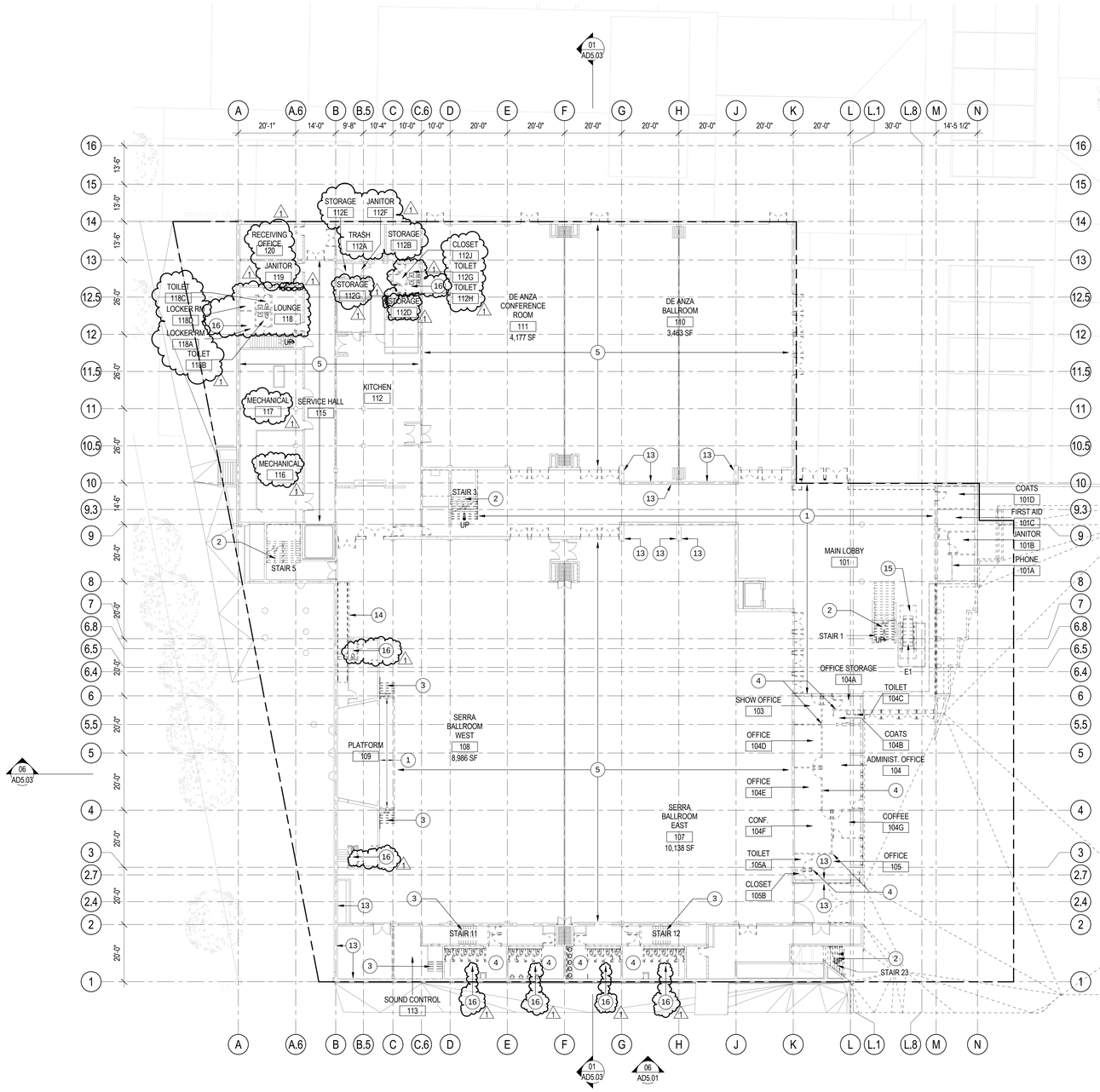

DEMOLITION FLOOR PLAN - LEVEL 1 01
SCALE: 1/16" = 1'-0"

SELECTIVE DEMOLITION GENERAL NOTES:

CONTRACTOR TO BRACE, SHORE & OTHERWISE PROTECT BUILDING & BUILDING STRUCTURE PRIOR TO SELECTIVE DEMOLITION.

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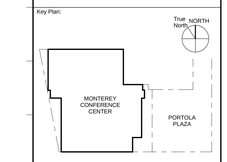

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C-26963
MAY 31 2017
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DEMOLITION FLOOR PLAN - LEVEL 1

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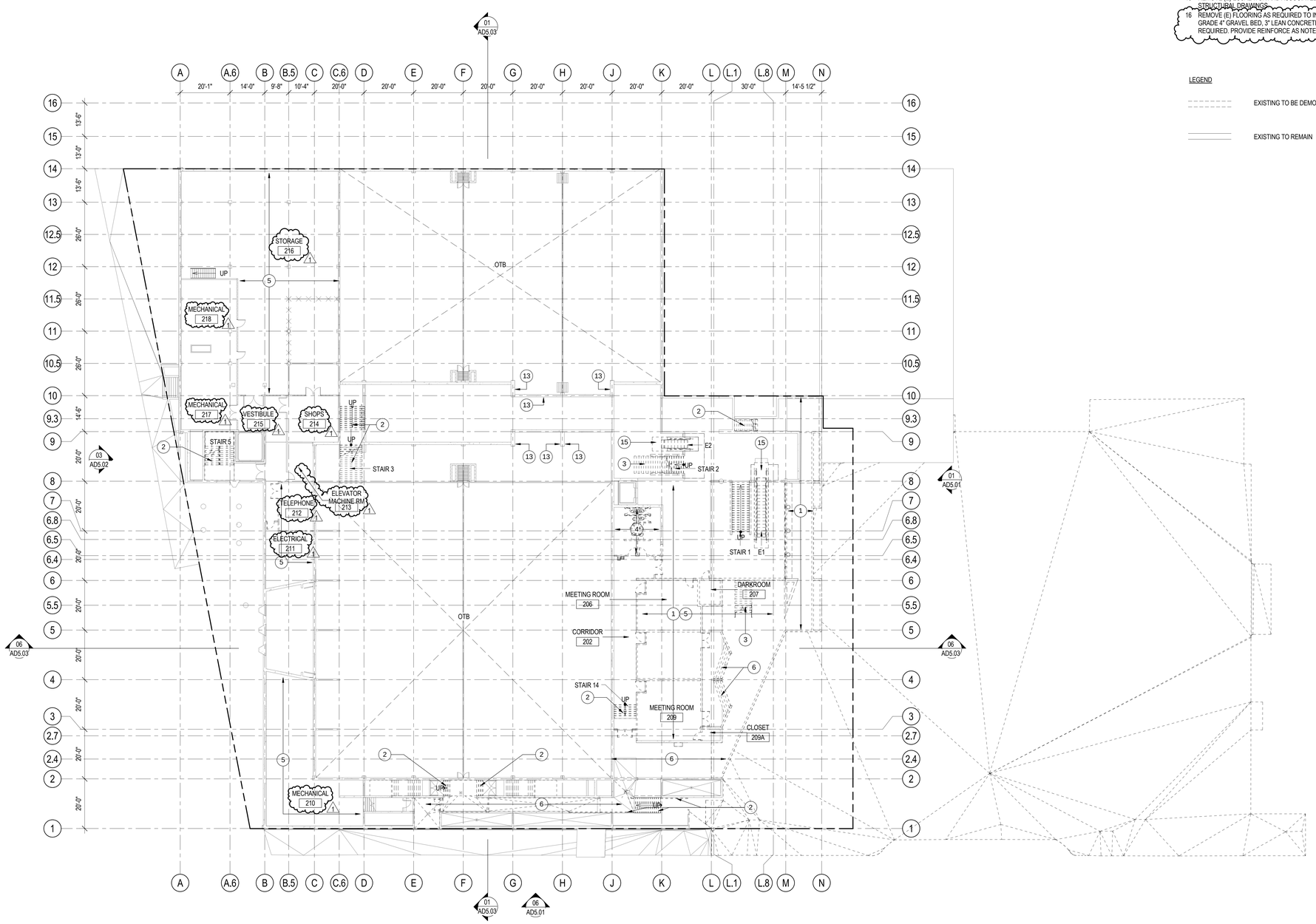

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DEMOLITION FLOOR PLAN - MEZZANINE LEVEL

SCALE: 1/16" = 1'-0"

01

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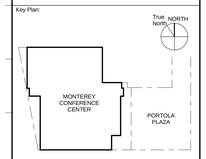

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DEMOLITION PLAN - MEZZANINE LEVEL

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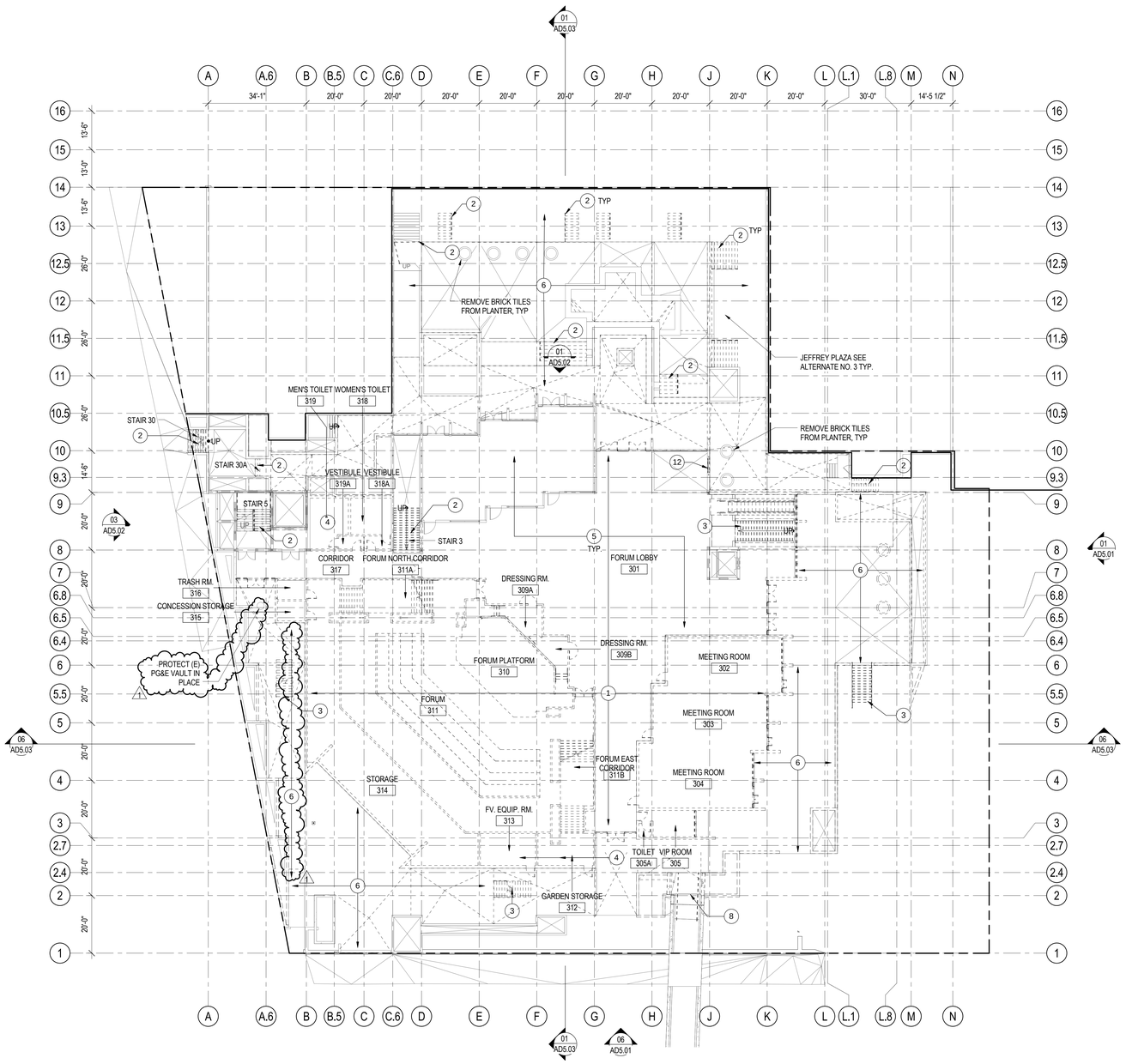

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15 REMOVE (E) ESCALATOR AND ASSOCIATED ELECTRICAL COMPONENT; MODIFY PIT PER STRUCTURAL DRAWINGS.
16 REMOVE (E) FLOORING AS REQUIRED TO INSTALL NEW PLUMBING BELOW, REPAIR (E) BELOW GRADE 4" GRAVEL BED, 3" LEAN CONCRETE, VAPOR BARRIER & WATER PROOFING MEMBRANE AS REQUIRED. PROVIDE REINFORCE AS NOTED PER TYPICAL SLAB DETAIL 01/S 4.01

LEGEND

EXISTING TO BE DEMOLISHED OR REMOVED

EXISTING TO REMAIN

DEMOLITION FLOOR PLAN - LEVEL 2 01
SCALE: 1/16" = 1'-0"

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

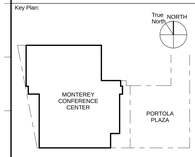
CITY OF MONTEREY
CITY HALL
580 PACIFIC STREET, MONTEREY, CA 93940
TEL: (831) 646-5601

Architect:
SOM
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

Consultants:

Issued For:

No.	Description:	Date:
	PRELIMINARY DESIGN 15% PRICING ISSUE	05 DEC 2014
	ISSUED FOR PLANNING & A.R.C. REVIEW	16 DEC 2014
	30% SUBMITTAL	20 FEB 2015
	60% PROJECT COMPLETION	15 MAY 2015
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015
1	ADDENDUM 1	11 SEPT 2015

Key Plan:


Seal & Signature:
LICENSED ARCHITECT
CLIFTON K. BOSWELL
C-26963
MAY 31 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:
DEMOLITION PLAN - LEVEL 2

Project No.:	Sheet No.:
215004	AD2.03
Drawn By: Author	
Checked By: Checker	
Scale: As indicated	

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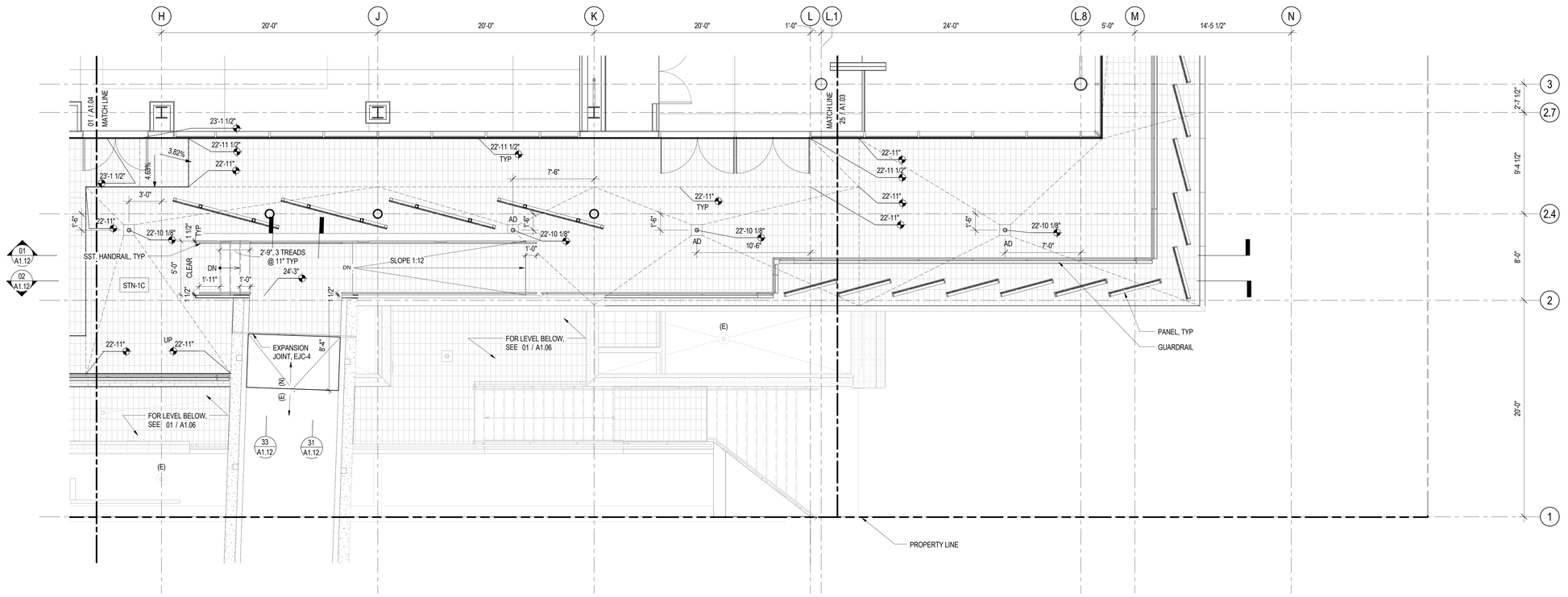
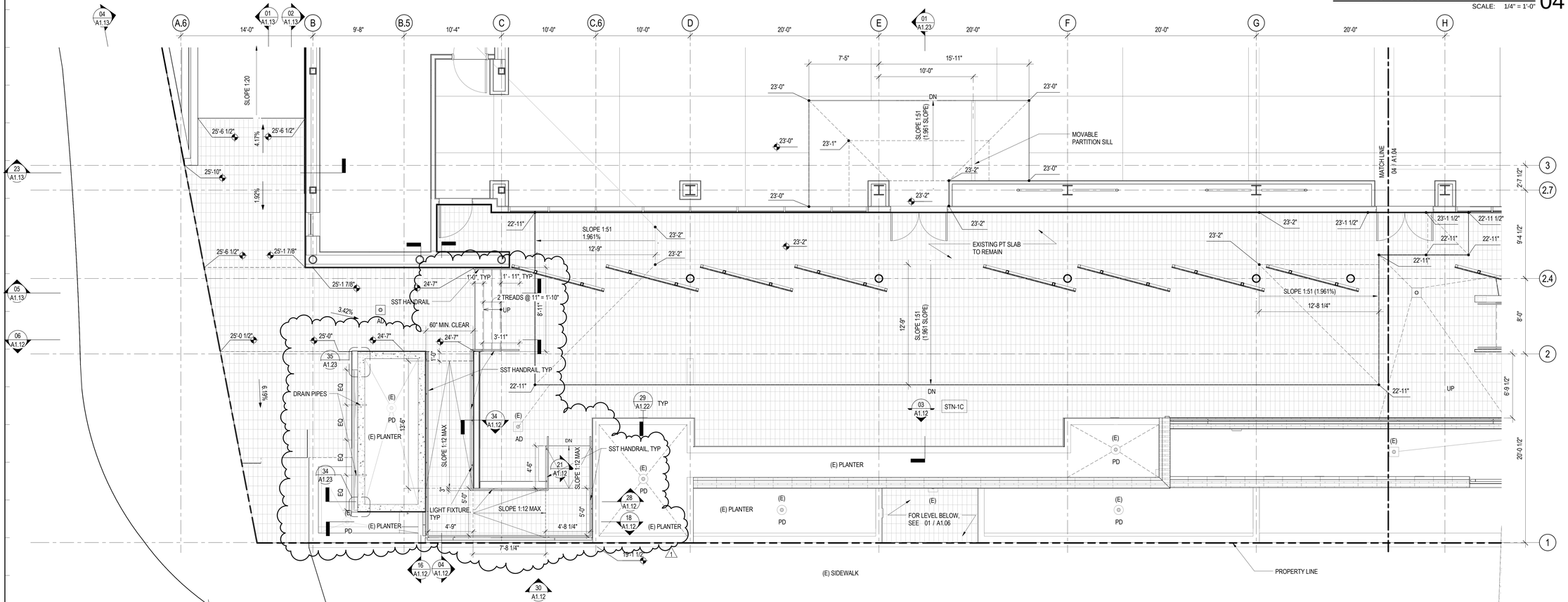
Agreement #: Ag-5097 - Page 335 of 529
Approved as to Form
Date 9/8/2015



ENLARGED SITE PLAN - LEVEL 2

SCALE: 1/4" = 1'-0" 04



GENERAL NOTES:

1. PLANTER DRAINS AND AREA DRAINS, NOTED (E) ARE EXISTING AND WILL BE PROTECTED IN PLACE U.O.N.

2. SEE SITE PLAN, A1.01, A1.02, A103 AND A1.05 FOR ALTERNATE # 3,EXCEPT @ STAIR #30 AND STAIR #30A

3. REMOVE (E) AD AND PD COVER AS REQUIRED TO INSTALL NEW WATERPROOFING MEMBRANE, CLEAN AND REFURBISH AD & PD AS REQUIRED AND REINSTALL WHEN NEW WATERPROOFING WORK IS COMPLETE. SEE WORK SEQUENCE DIAGRAM ON A1.02 DRAWING, TYP

4. REMOVE EXISTING AND REINSTALL NEW PAVING, PAVING SETTING BED, SOIL, AND WATERPROOFING ASSEMBLY IN INCREMENTS, SO AS NOT IMPACT TO EXISTING POST -TENSION BEAM BELOW

5. LOCATIONS OF (E) DRAINS SHOWN ARE AT APPROXIMATE. VERIFY LOCATION AND ELEVATION OF DRAIN AS REQUIRED.

LEGEND

- PROPERTY LINE
- ADD ALTERNATE
- AREA FOR STRUCTURAL WORK SEQUENCE
- MATCH LINE

ENLARGED SITE PLAN - LEVEL 2

SCALE: 1/4" = 1'-0" 01

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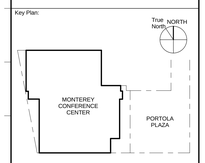
Key Plan:



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CLIFTON K. BOSWELL
C-26963
MAY 31 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:

ENLARGED SITE PLAN

Project No.:	Sheet No.:
215004	A1.04
Drawn By: Author	
Checked By: Checker	
Scale: 1/4" = 1'-0"	

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Agreement #: Ag-5097 - Page 335
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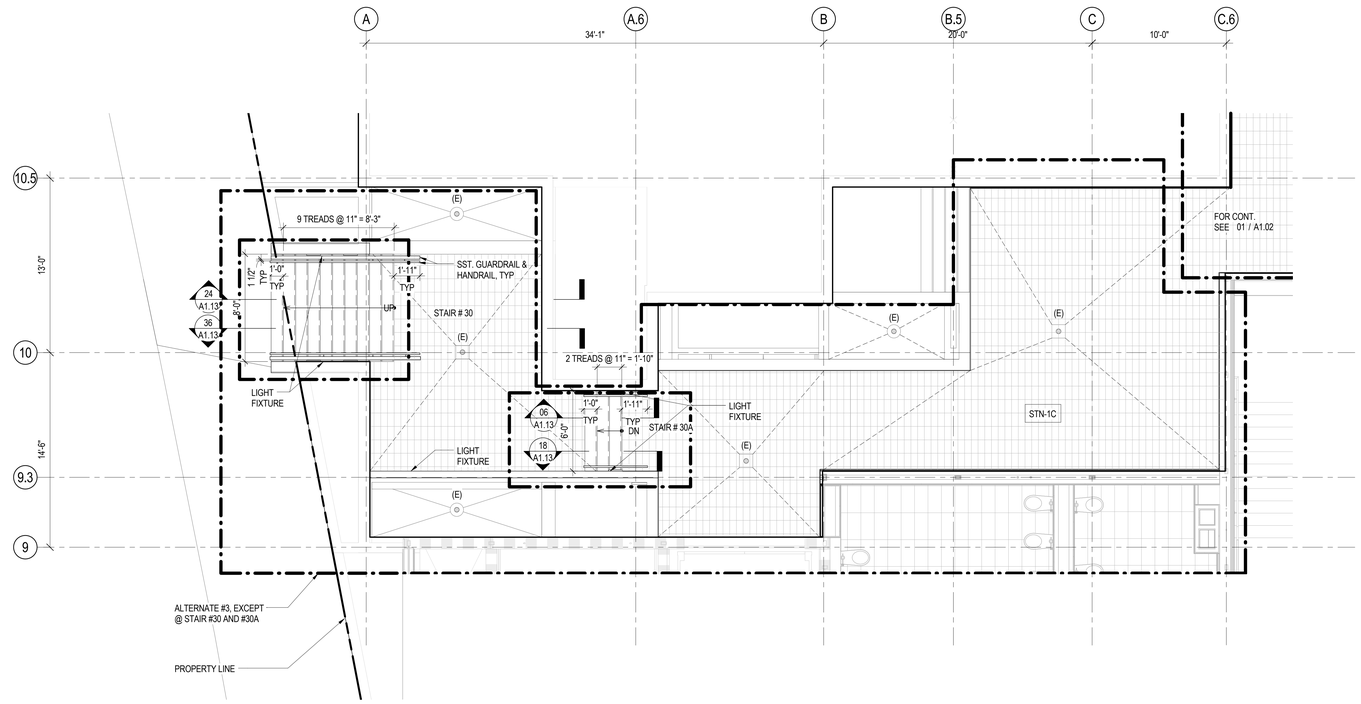
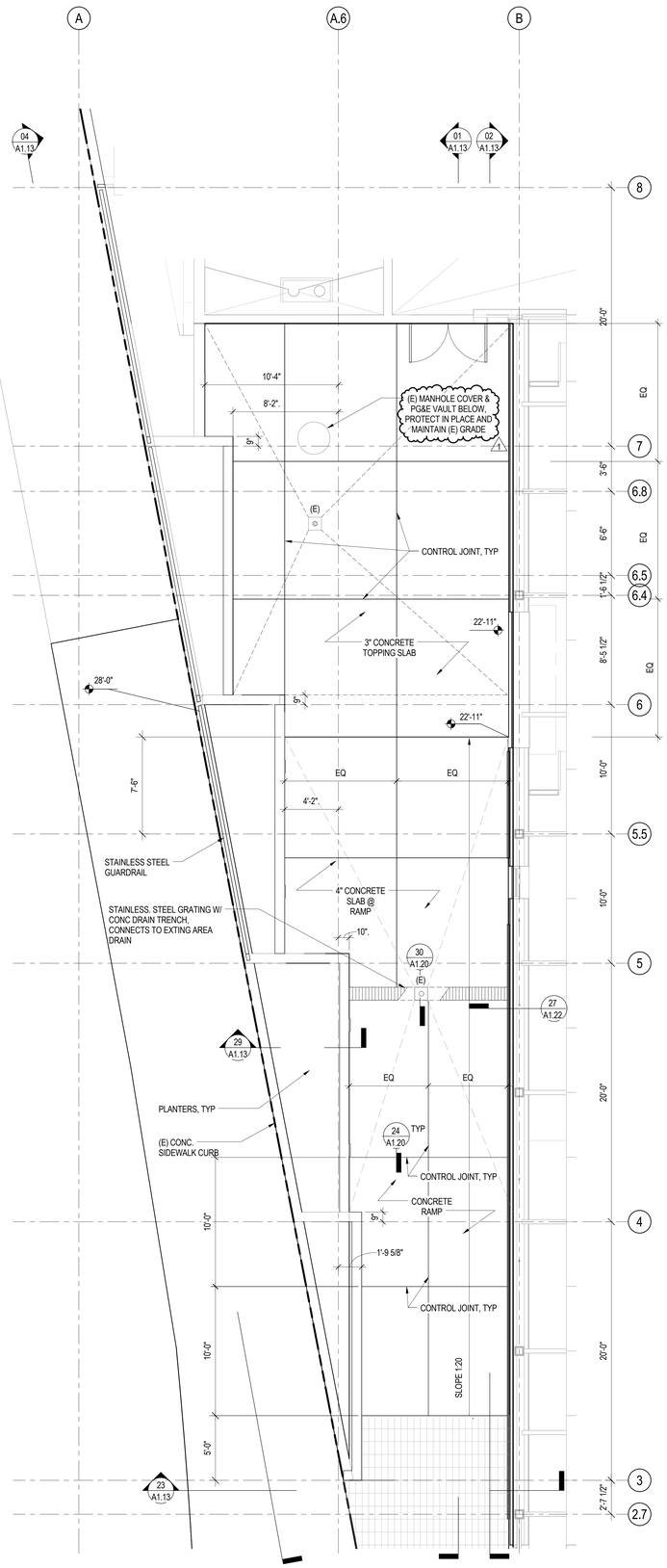
Date
Page 329



ENLARGED SITE PLAN - LEVEL 2 22
SCALE: 1/4" = 1'-0"



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- ADD ALTERNATE
- AREA FOR STRUCTURAL WORK SEQUENCE
- MATCH LINE

ENLARGED SITE PLAN - LEVEL 2 01
SCALE: 1/4" = 1'-0"

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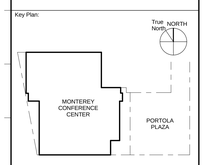

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LICENSED ARCHITECT
CLIFTON K. BOSWELL
C-26963
MAY 31 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:
ENLARGED SITE PLAN

Project No.: 215004
Drawn By: Author
Checked By: Checker
Scale: 1/4" = 1'-0"
Sheet No.: A1.05

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Agreement #: Ag-5097 - Page 335 of 529
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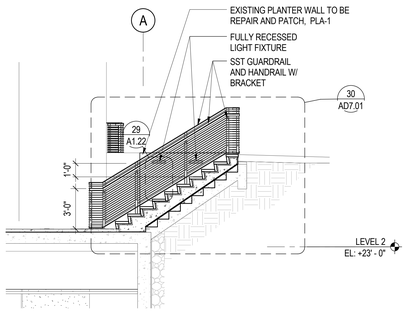
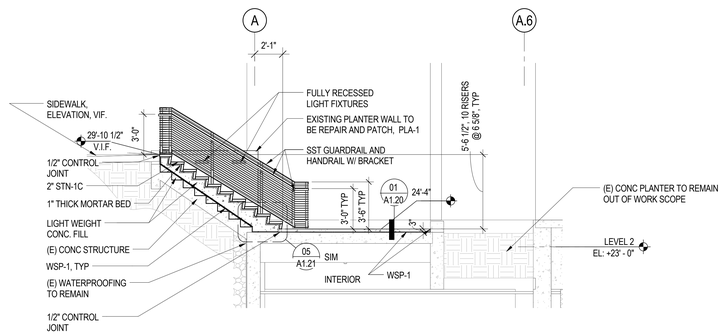
Date
Date



SECTION STAIR 30 LEVEL 1 TO SIDEWALK - S 36
SCALE: 1/4" = 1'-0"



SECTION STAIR 30 LEVEL 1 TO SIDEWALK 24
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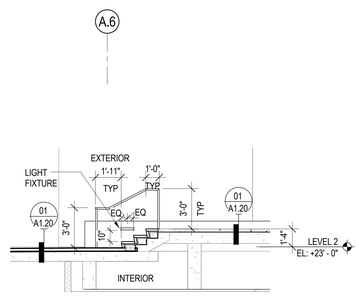

PARTIAL SECTION AT STAIR 30A 18
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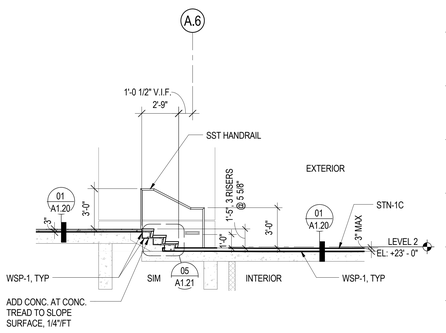

PARTIAL SECTION AT STAIR 30A 06
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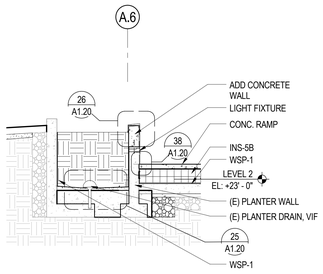

SITE PARTIAL SECTION 29
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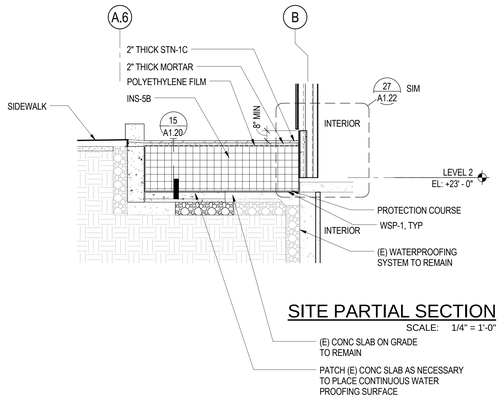

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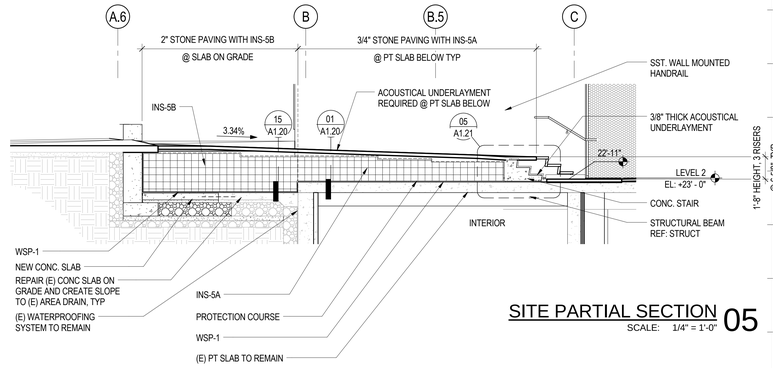

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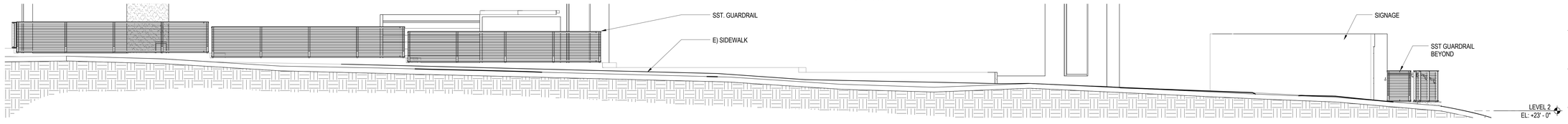

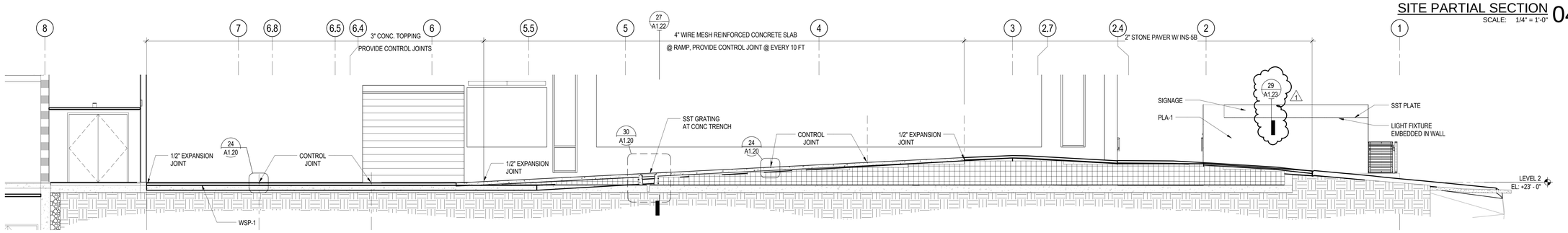

SITE PARTIAL SECTION 04
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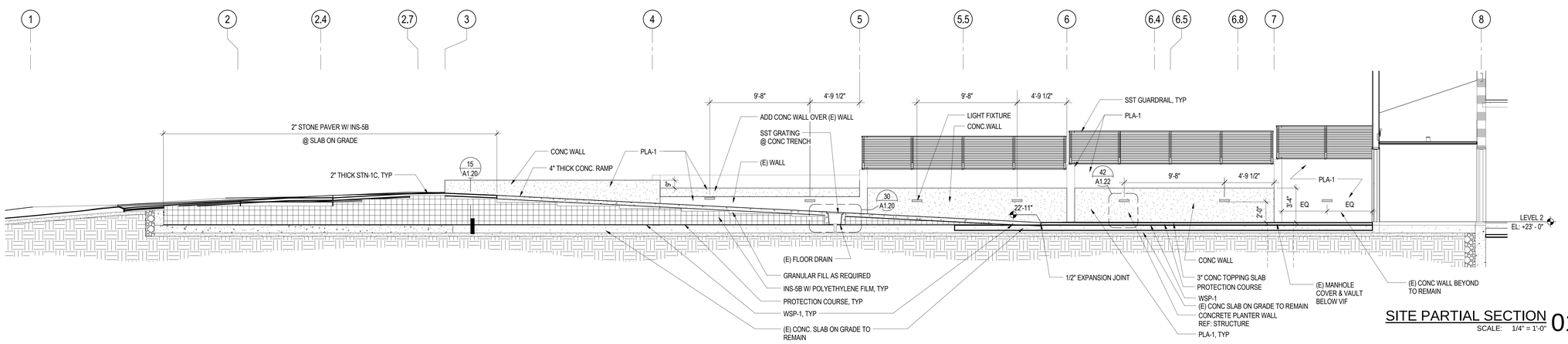


SITE PARTIAL SECTION 01
SCALE: 1/4" = 1'-0"

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL
580 PACIFIC STREET, MONTEREY, CA 93940
TEL: (831) 646-5601

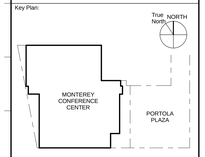
Architect:
SOM
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

Consultants:

Issued For:

No.	Description:	Date:
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015
1	ADDENDUM 1	11 SEPT 2015

Key Plan:



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LICENSED ARCHITECT
CLIFTON K. BOSWELL
C-26963
MAY 31 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:

ENLARGED BUILDING EXTERIOR ELEVATIONS & SECTIONS

Project No.:	215004	Sheet No.:
Drawn By:	Author	A1.13
Checked By:	Checker	
Scale:	1/4" = 1'-0"	

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Agreement #: Ag-5097 - Page 335
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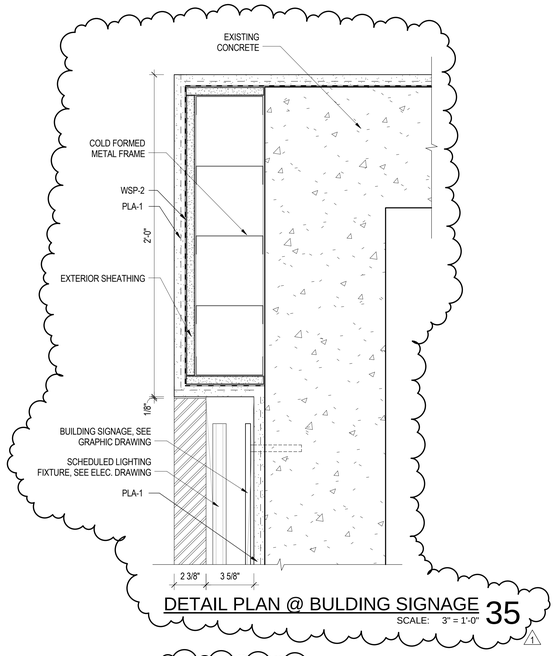
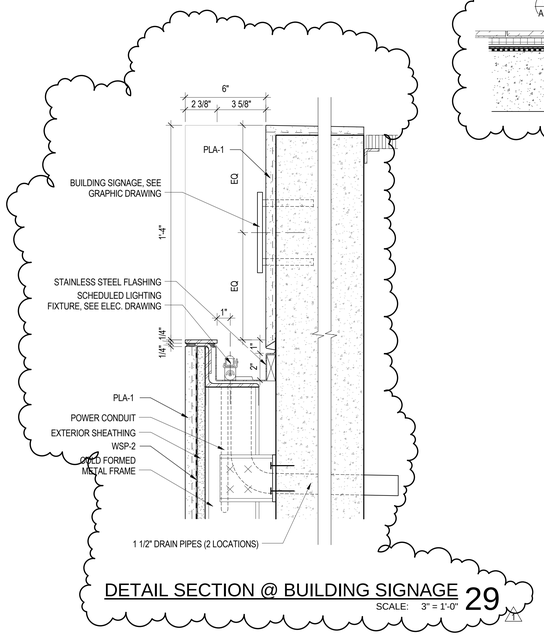
Date
By



DETAIL PLAN @ BULDING SIGNAGE 35
SCALE: 3" = 1'-0"



DETAIL SECTION @ BUILDING SIGNAGE 29
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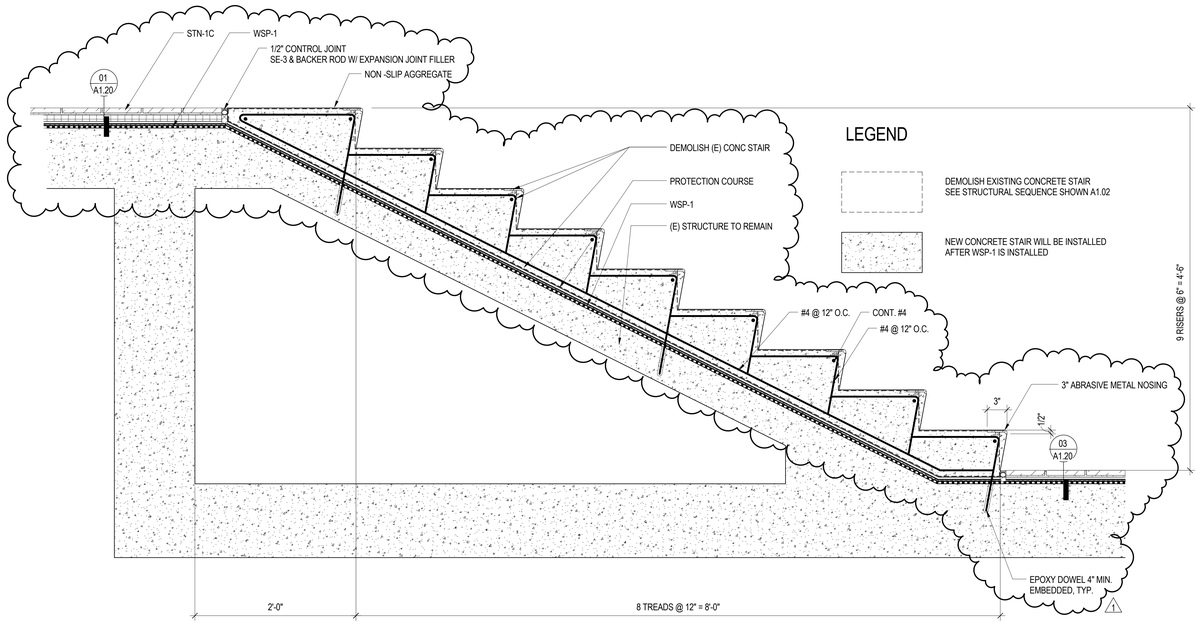

STAIR DETAILS 05
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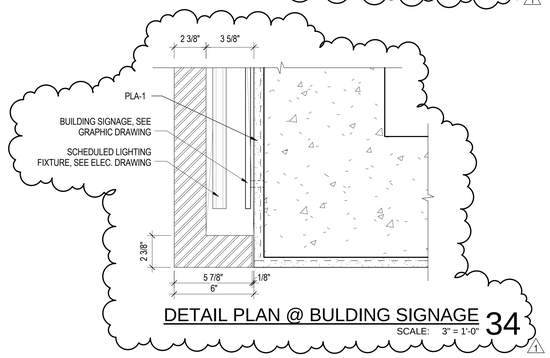

DETAIL PLAN @ BULDING SIGNAGE 34
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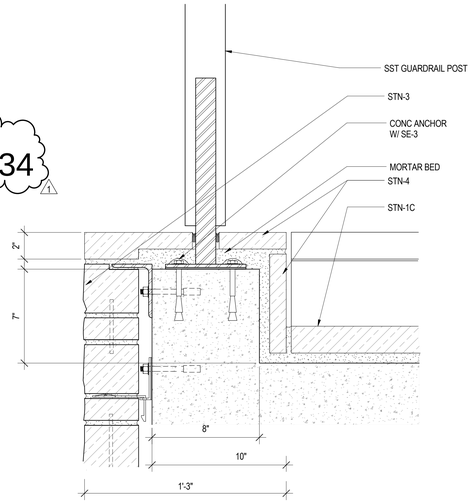

GUARDRAIL POST @ STAIR 27
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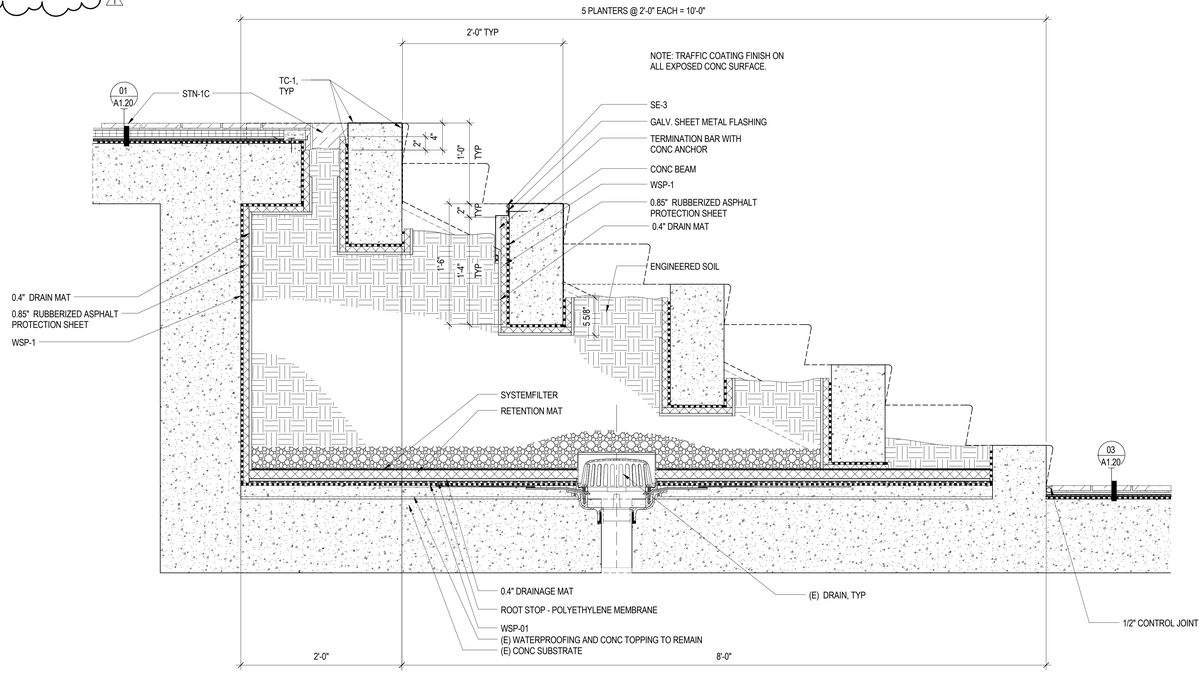

STEP DOWN PLANTER DETAILS 03
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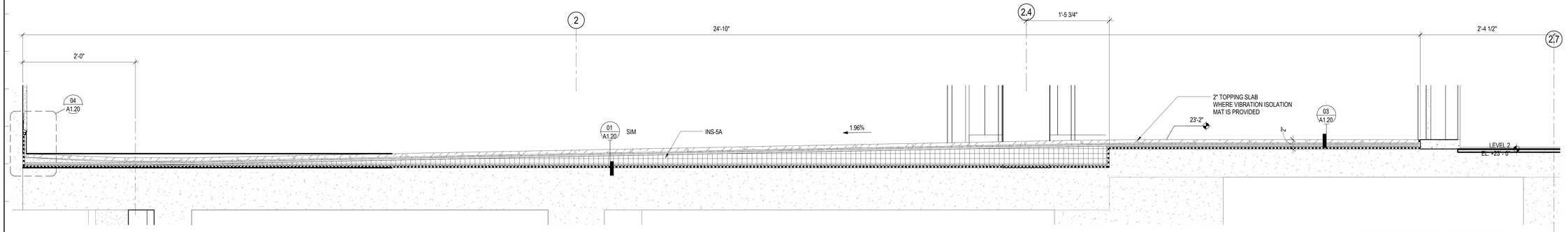

SITE PARTIAL SECTION 01
SCALE: 1 1/2" = 1'-0"

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Consultants:

Issued For:

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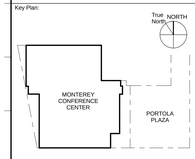
1	ADDENDUM 1	11 SEPT 2015

Key Plan:



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Sheet Name:
SITE DETAILS

Project No.: 215004
Drawn By: Author
Checked By: Checker
Scale: As indicated
Sheet No.: A1.23

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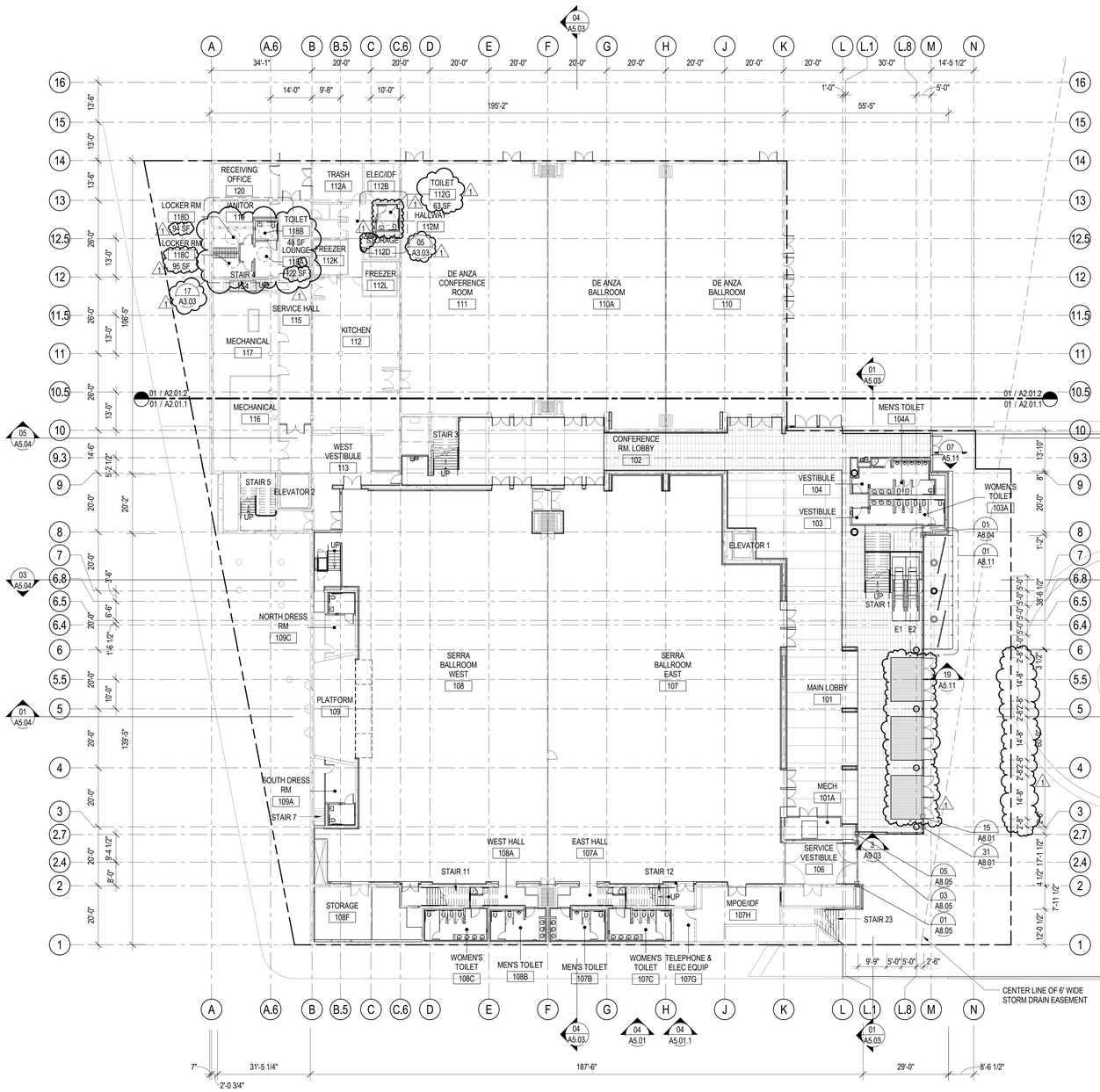

FLOOR PLAN - LEVEL 1 01
SCALE: 1/16" = 1'-0"

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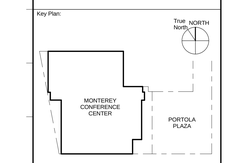

Seal & Signature:

LICENSED ARCHITECT
CLIFTON K. BOSWELL
C-26963
MAY 31 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:
FLOOR PLAN - LEVEL 1

Project No.:	215004	Sheet No.:
Drawn By:	Author	A2.01
Checked By:	Checker	
Scale:	1/16" = 1'-0"	

9/9/2015 10:32:44 AM

Agreement #: Ag-5097 - Page 336
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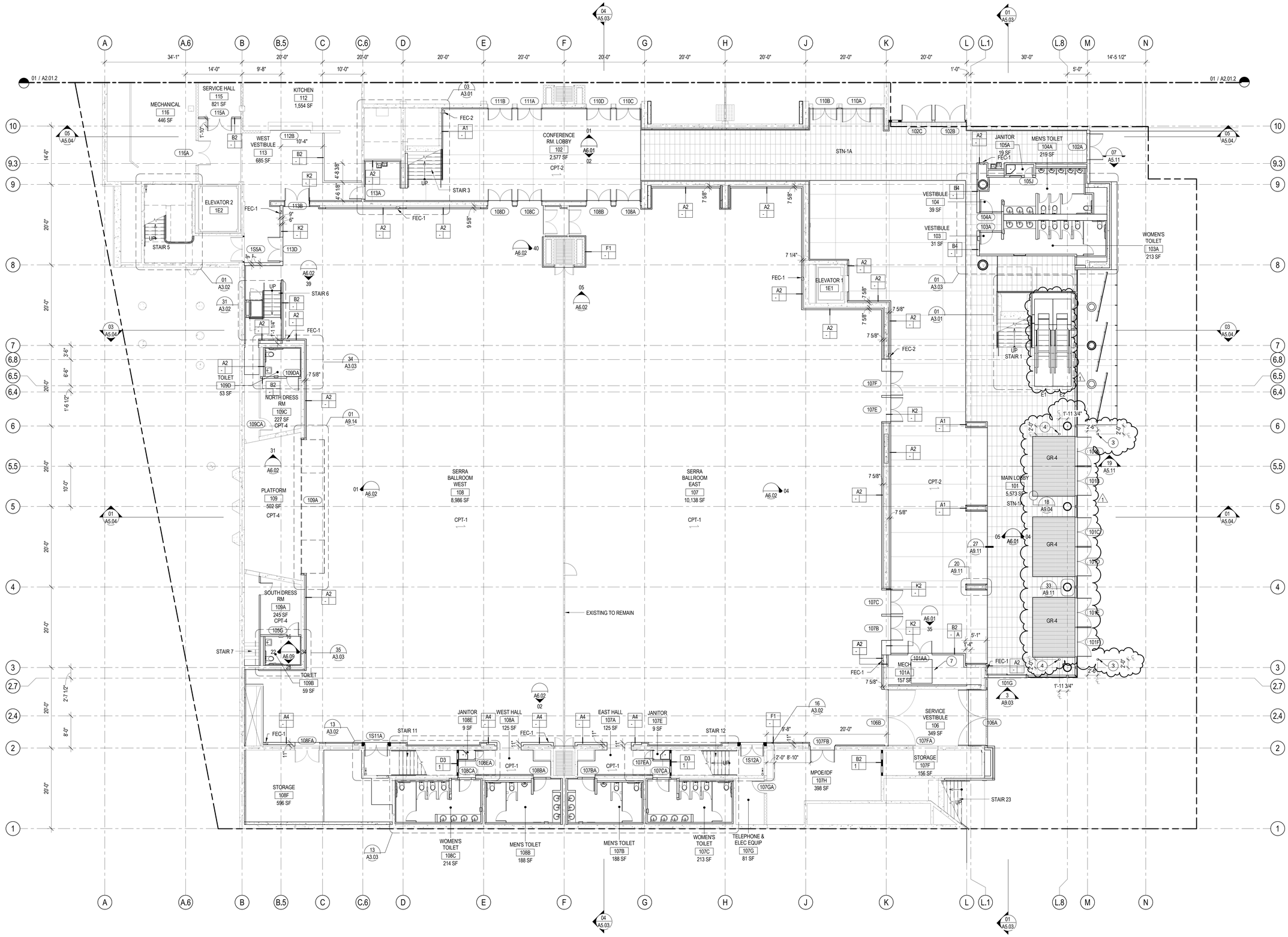
Date
Item 3 2 9

GENERAL NOTES - ENLARGED FLOOR PLANS

1. PARTITIONS ARE DIMENSIONED FROM FACE OF FINISH, UON.
2. ALL FURRINGS AT CONCRETE COLUMNS AND SHEAR WALLS ARE PARTITION TYPE 'F1' UON.
3. FIRE EXTINGUISHER LOCATIONS ARE SHOWN TO APPROXIMATE FINAL LOCATIONS.
4. PARTITIONS CENTERED ON THE GRID LINES ARE NOT DIMENSIONED AND ARE LOCATED AT THE CENTERLINE OF THE GRID.
5. REFER TO I-SERIES DRAWINGS FOR SYSTEM FURNITURE BACKING REQUIREMENT.
6. PRIOR TO DRILLING OR CORING INTO ANY EXISTING CONCRETE TO REMAIN, EXISTING REBAR AND POST-TENSION TENDON SHALL BE LOCATED BY SCANNING. REFER TO DETAIL 11/S6.00 AND 14/S5.19 FOR OTHER REQUIREMENTS OF POST-TENSION SLAB PENETRATIONS. SEE GENERAL NOTES NO. 15 ON A0.04 FOR COMPLETE NOTE.

SHEET NOTES - ENLARGED FLOOR PLAN

1 EXTERIOR INTUMESCENT SYSTEM
2 INTERIOR INTUMESCENT SYSTEM
3 PEDESTAL 1
4 PEDESTAL 2
5 PEDESTAL 3
7 CONCRETE HOUSEKEEPING PAD



ENLARGED FLOOR PLAN - LEVEL 1 - SOUTH

SCALE: 1/8" = 1'-0" 01

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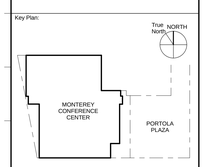
SAN FRANCISCO, CA 94111

Consultants:

Issued For:

No.	Description:	Date:
	30% SUBMITTAL	20 FEB 2015
	60% PROJECT COMPLETION	15 MAY 2015
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015
1	ADDENDUM 1	11 SEPT 2015

Key Plan:


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CLIFTON K. BOSWELL
C-26963
MAY 31 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:
ENLARGED FLOOR PLAN - LEVEL 1 - SOUTH

Project No.:	215004	Sheet No.:
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Scale:	As indicated	

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Page 329

GENERAL NOTES - ENLARGED FLOOR PLANS

1. PARTITIONS ARE DIMENSIONED FROM FACE OF FINISH, UON.
2. ALL FURRINGS AT CONCRETE COLUMNS AND SHEAR WALLS ARE PARTITION TYPE 'F1' UON.
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SHEET NOTES - ENLARGED FLOOR PLAN

1 EXTERIOR INTUMESCENT SYSTEM
2 INTERIOR INTUMESCENT SYSTEM
3 PEDESTAL 1
4 PEDESTAL 2
5 PEDESTAL 3
7 CONCRETE HOUSEKEEPING PAD

ENLARGED FLOOR PLAN - LEVEL 1 - NORTH 01
SCALE: 1/8" = 1'-0"

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL
580 PACIFIC STREET, MONTEREY, CA 93940
TEL: (831) 646-5601

Architect:
SOM
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

Consultants:

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1	ADDENDUM 1	11 SEPT 2015

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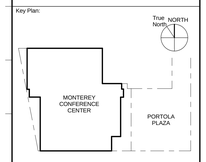

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CLIFTON K. BOSWELL
C-26963
MAY 31 2017
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STATE OF CALIFORNIA

Sheet Name:
ENLARGED FLOOR PLAN - LEVEL 1 - NORTH

Project No.: 215004
Sheet No.: A2.01.2
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Agreement #: Ag-5097 - Page 336 of 529
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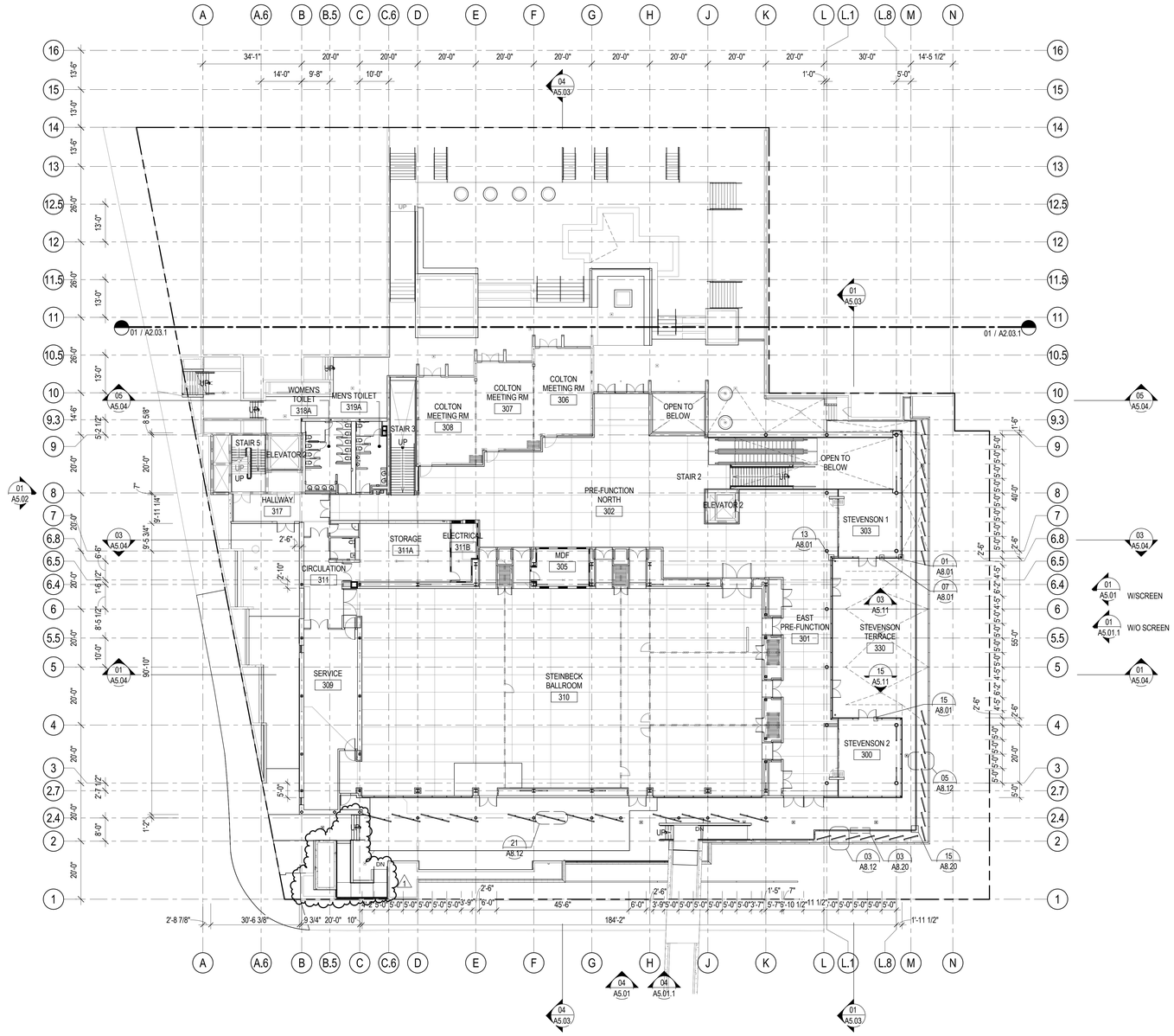

FLOOR PLAN - LEVEL 2 01
SCALE: 1/16" = 1'-0"

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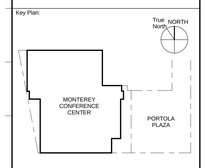

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CLIFTON K. BOSWELL
C-26963
MAY 9 1 2017
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STATE OF CALIFORNIA

Sheet Name:

FLOOR PLAN - LEVEL 2

Project No.:	Sheet No.:
215004	A2.03
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Scale: 1/16" = 1'-0"	

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Agreement #: Ag-5097 - Page 336
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Item 2 9

GENERAL NOTES - ENLARGED FLOOR PLANS

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2 INTERIOR INTUMESCENT SYSTEM
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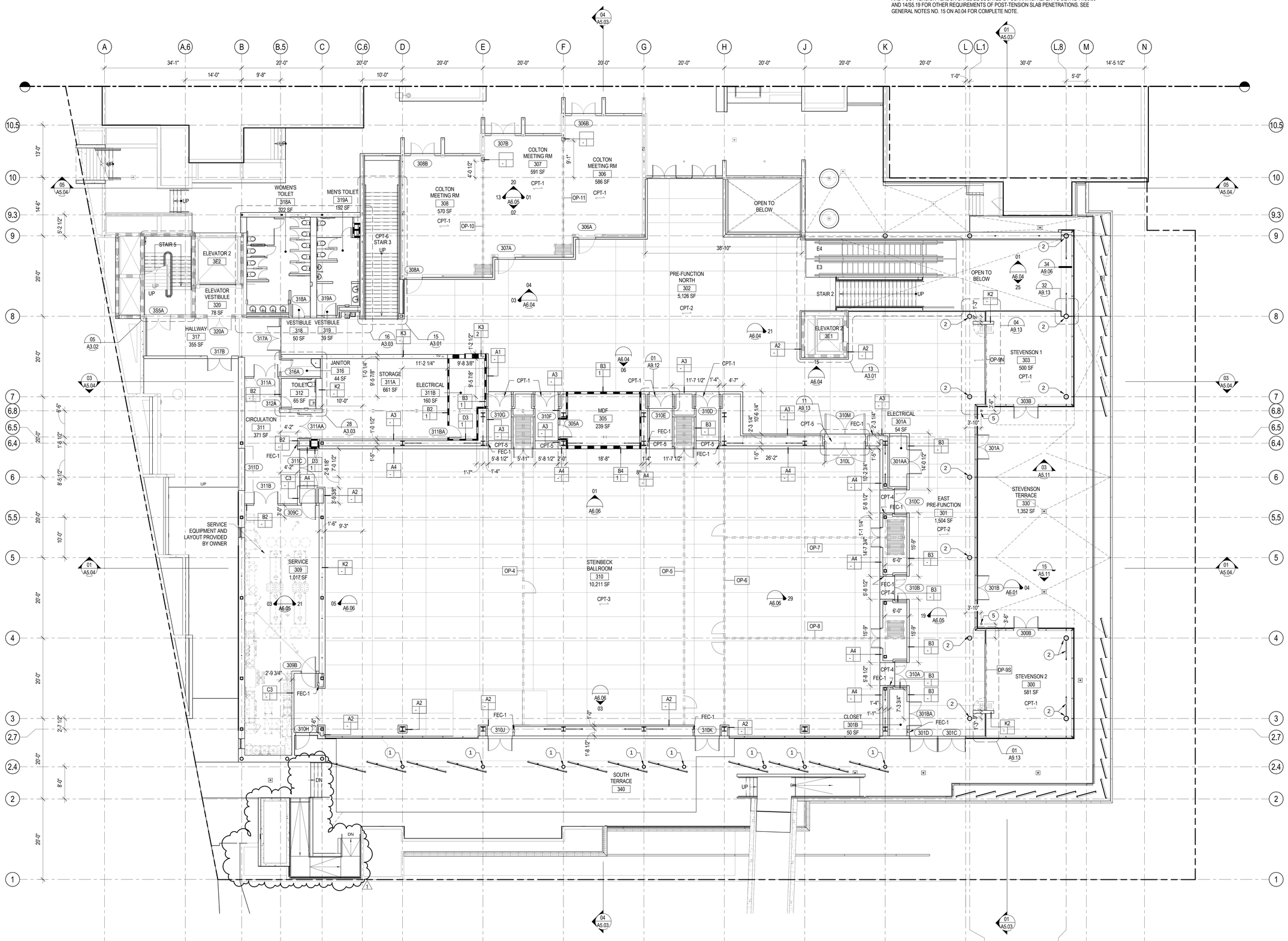
4 PEDESTAL 2
5 PEDESTAL 3
7 CONCRETE HOUSEKEEPING PAD



ENLARGED FLOOR PLAN - LEVEL 2 - SOUTH 01
SCALE: 1/8" = 1'-0"

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CITY OF MONTEREY
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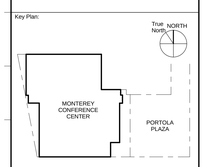

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CLIFTON K. BOSWELL
C-26963
MAY 31 2017
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STATE OF CALIFORNIA

Sheet Name:
ENLARGED FLOOR PLAN - LEVEL 2 - SOUTH

Project No.:	Sheet No.:
215004	A2.03.1
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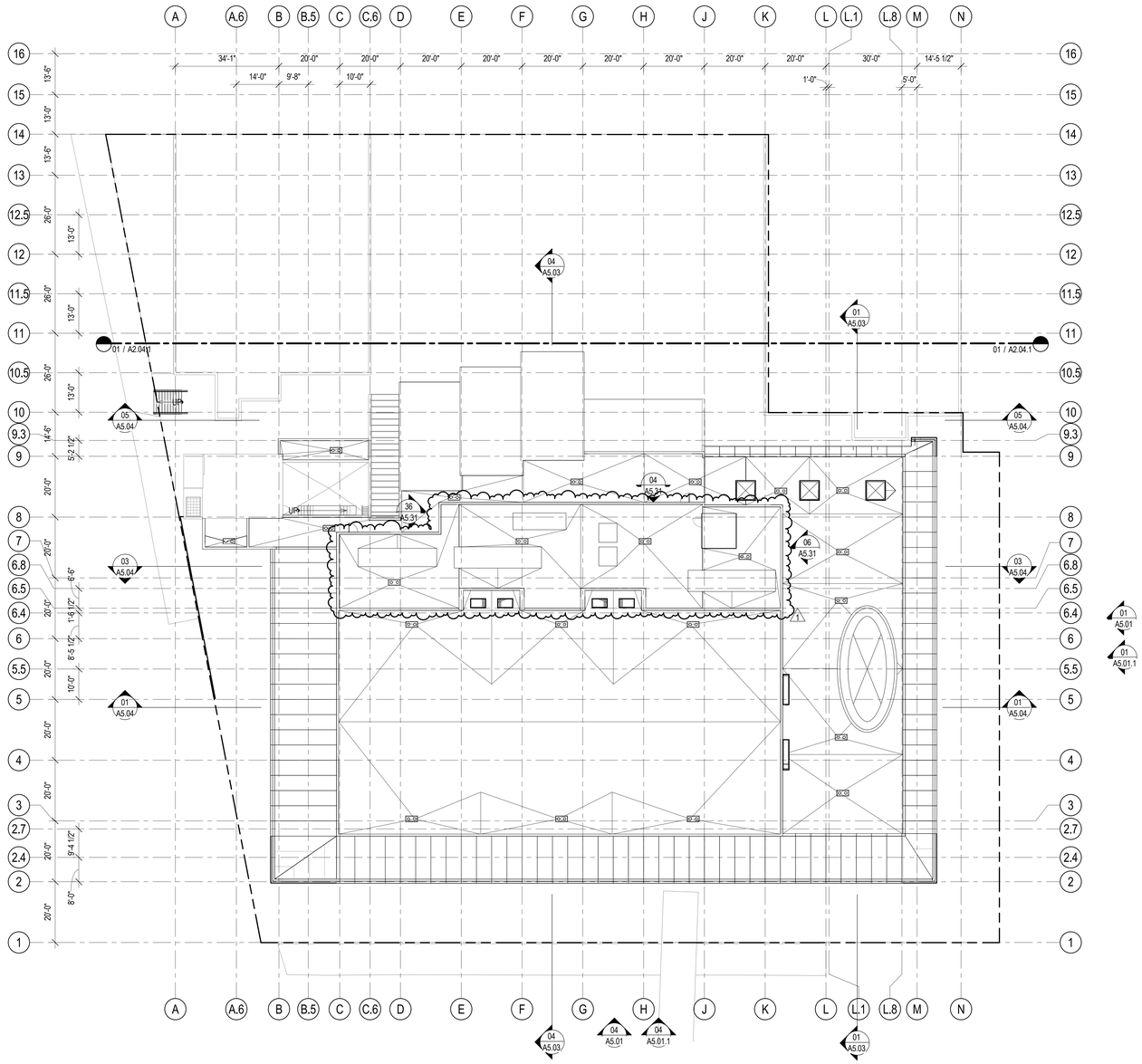

FLOOR PLAN - ROOF LEVEL 01
SCALE: 1/16" = 1'-0"

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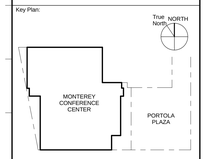

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C-26963
MAY 3 1 2017
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FLOOR PLAN - ROOF LEVEL

Project No.:	Sheet No.:
215004	A2.04
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Scale: 1/16" = 1'-0"	

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Agreement #: Ag-5097 - Page 336 of 529
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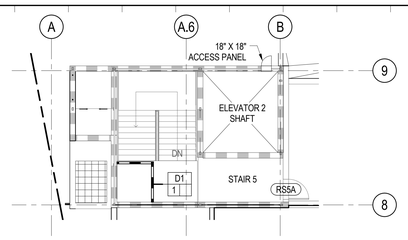

ENLARGED FLOOR PLAN - ROOF LEVEL - STAIR 5 36

SCALE: 1/8" = 1'-0"

SHEET NOTES - ENLARGED FLOOR PLAN

1 EXTERIOR INTUMESCENT SYSTEM
2 INTERIOR INTUMESCENT SYSTEM
3 PEDESTAL 1
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5 PEDESTAL 3
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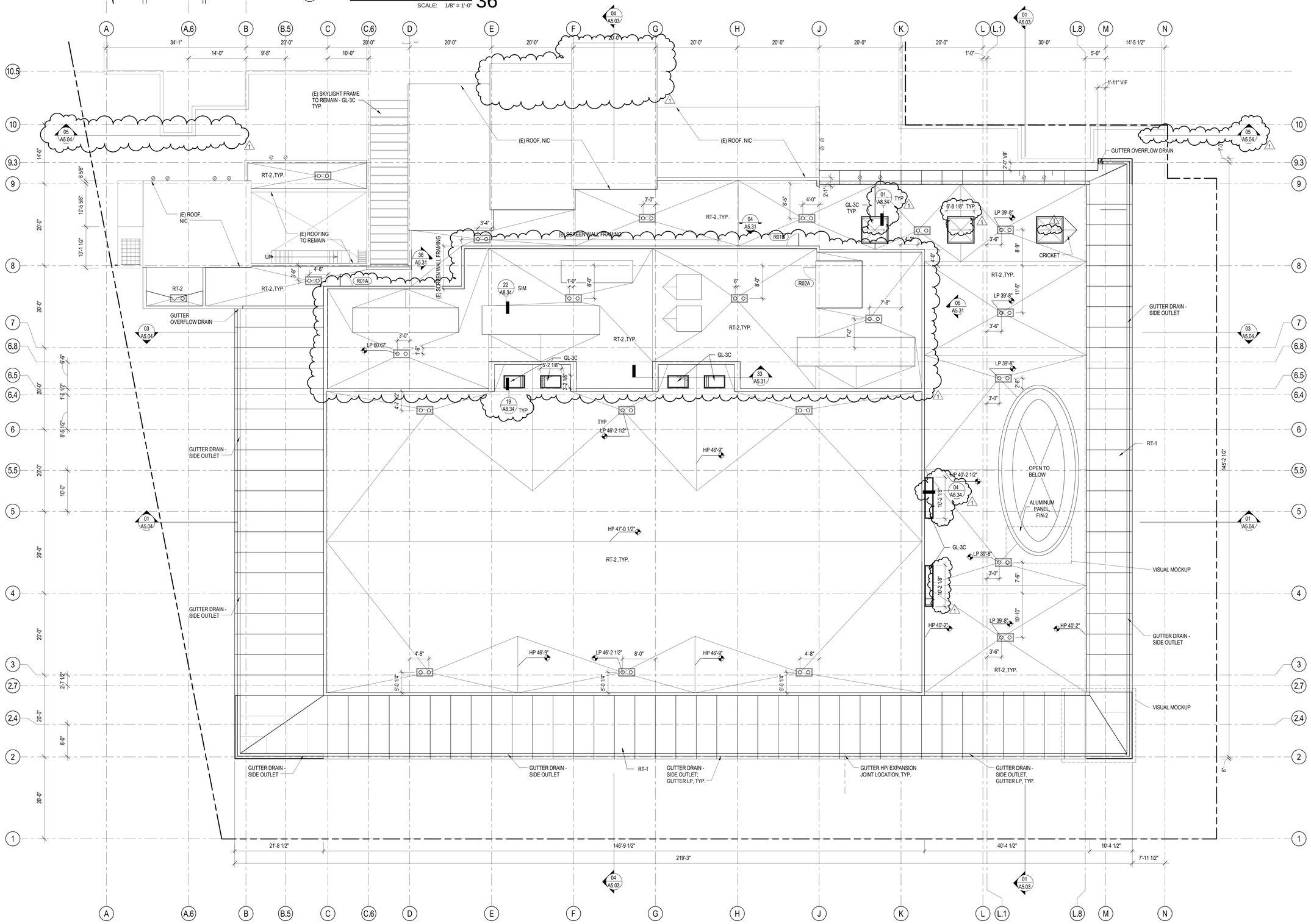

ENLARGED FLOOR PLAN - ROOF LEVEL - SOUTH 01

SCALE: 1/8" = 1'-0"

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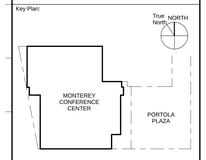

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LICENSED ARCHITECT
CLIFTON K. BOSWELL
C-26963
MAY 31 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:

ENLARGED FLOOR PLAN - ROOF LEVEL - SOUTH

Project No.: 215004
Drawn By: Author
Checked By: Checker
Scale: 1/8" = 1'-0"

Sheet No.: A2.04.1

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Agreement #: Ag-5097 - Page 336 of 529
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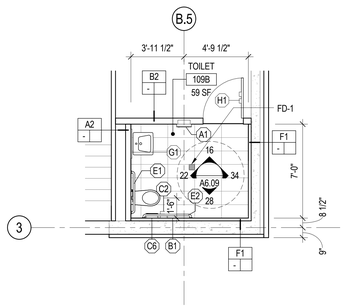
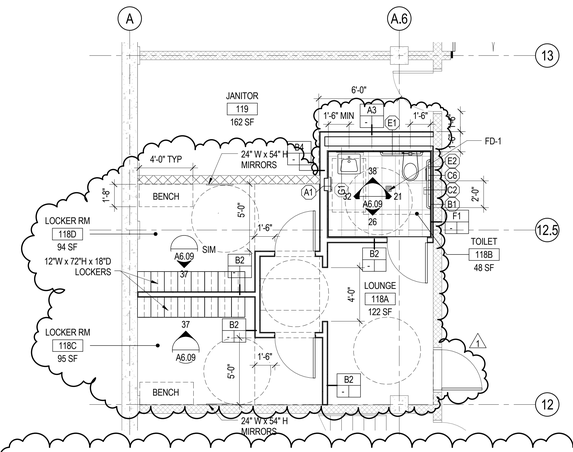


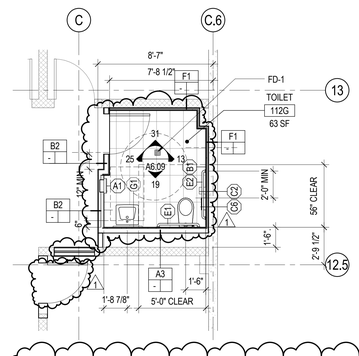
ENLARGED PLAN - LEVEL 1 TOILET ROOM
SOUTH DRESS ROOM 35
SCALE: 1/4" = 1'-0"



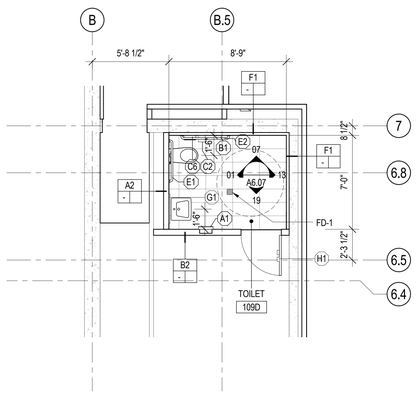
ENLARGED PLAN - LEVEL 1 TOILET ROOM W/ LOCKER RM 17
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

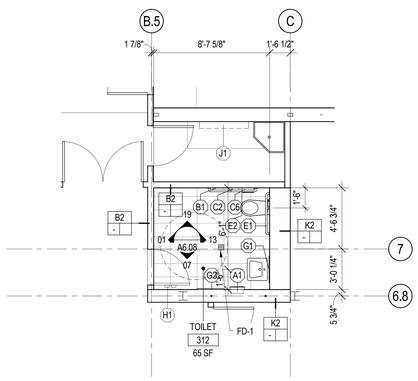
1. SEE A6.00 FOR TOILET ACCESSORIES LEGEND AND MOUNTING HEIGHT.



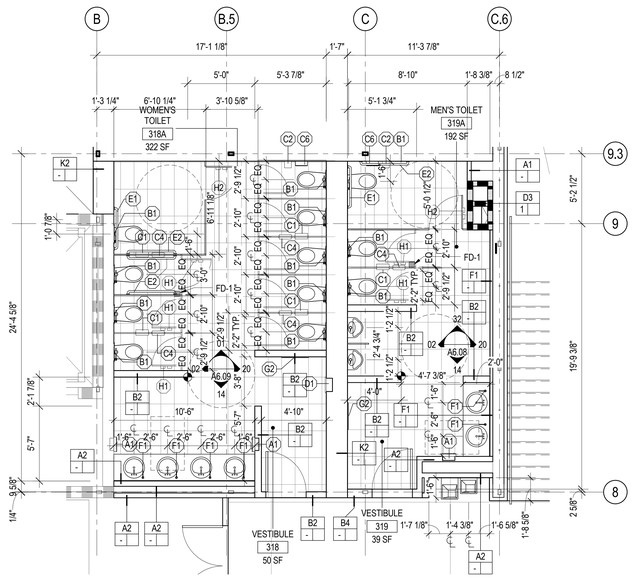
ENLARGED PLAN - LEVEL 1 TOILET ROOM 05
SCALE: 1/4" = 1'-0"



ENLARGED PLAN - LEVEL 1 TOILET ROOM
NORTH DRESS ROOM 34
SCALE: 1/4" = 1'-0"



ENLARGED PLAN - LEVEL 2 LOUNGE
TOILET ROOM 28
SCALE: 1/4" = 1'-0"



ENLARGED PLAN - LEVEL 2 TOILET ROOM 16
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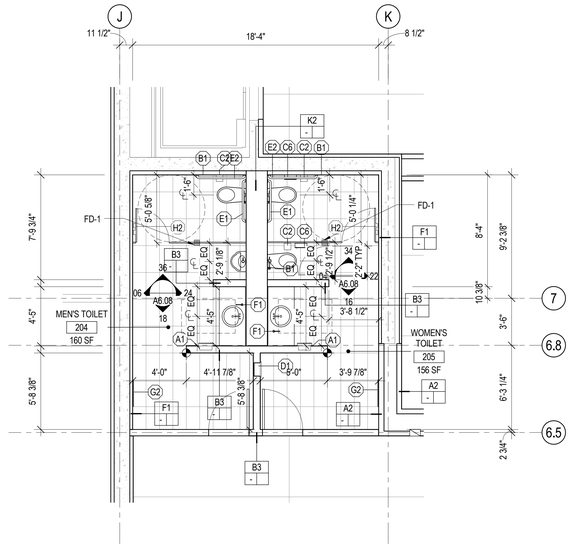
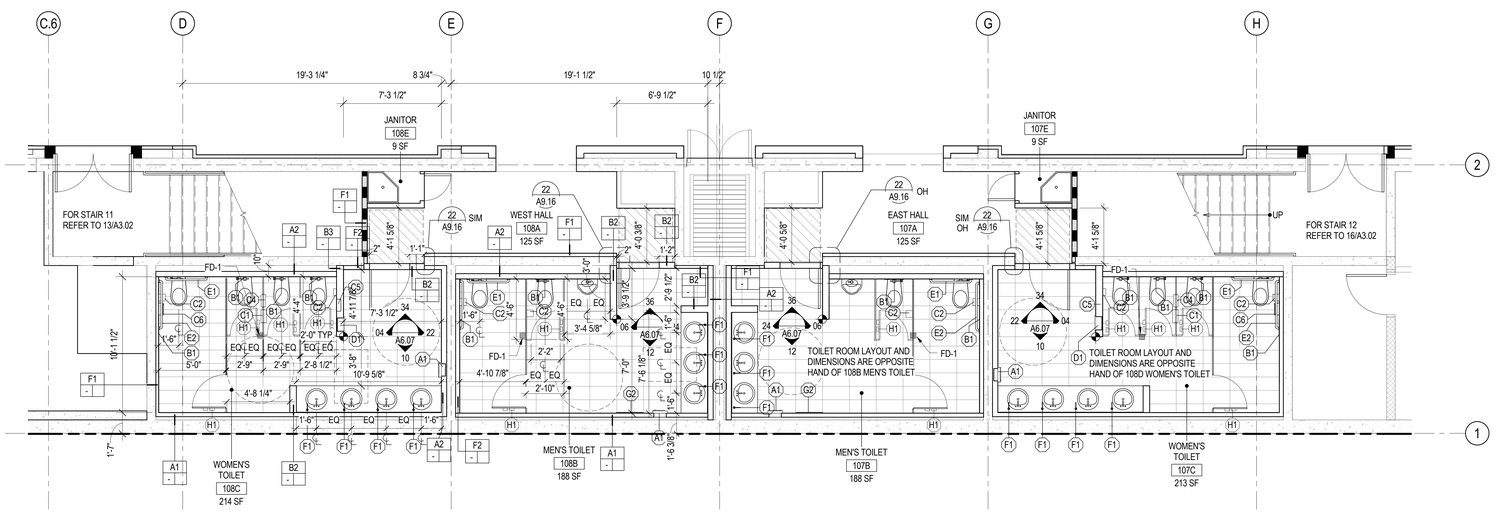
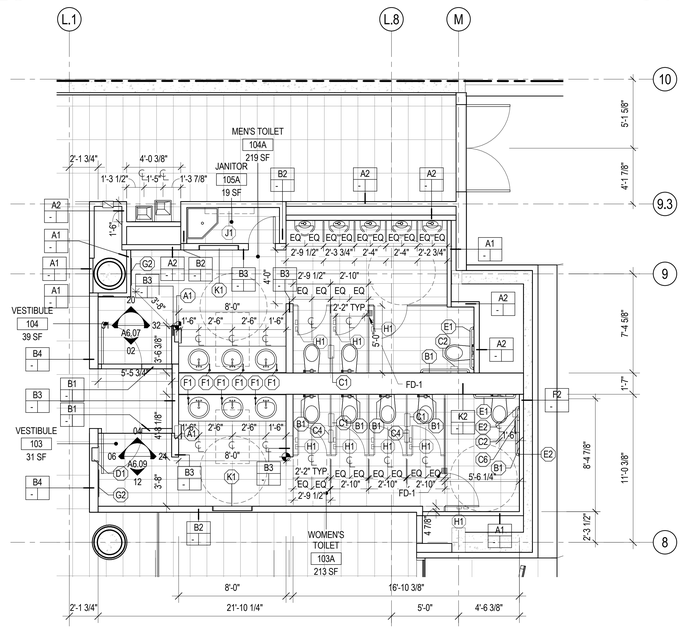


ENLARGED PLAN - MEZZANINE LEVEL TOILET ROOM 04
SCALE: 1/4" = 1'-0"



ENLARGED PLAN - LEVEL 1 TOILET ROOM SERRA 13
SCALE: 1/4" = 1'-0"



ENLARGED PLAN - LEVEL 1 TOILET ROOM 01
SCALE: 1/4" = 1'-0"

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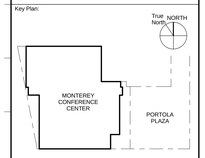

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LICENSED ARCHITECT
CLIFTON K. BOSWELL
C-26963
MAY 31 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:

ENLARGED
TOILET ROOM
FLOOR PLANS

Project No.:	215004	Sheet No.:
Drawn By:	Author	A3.03
Checked By:	Checker	
Scale:	1/4" = 1'-0"	

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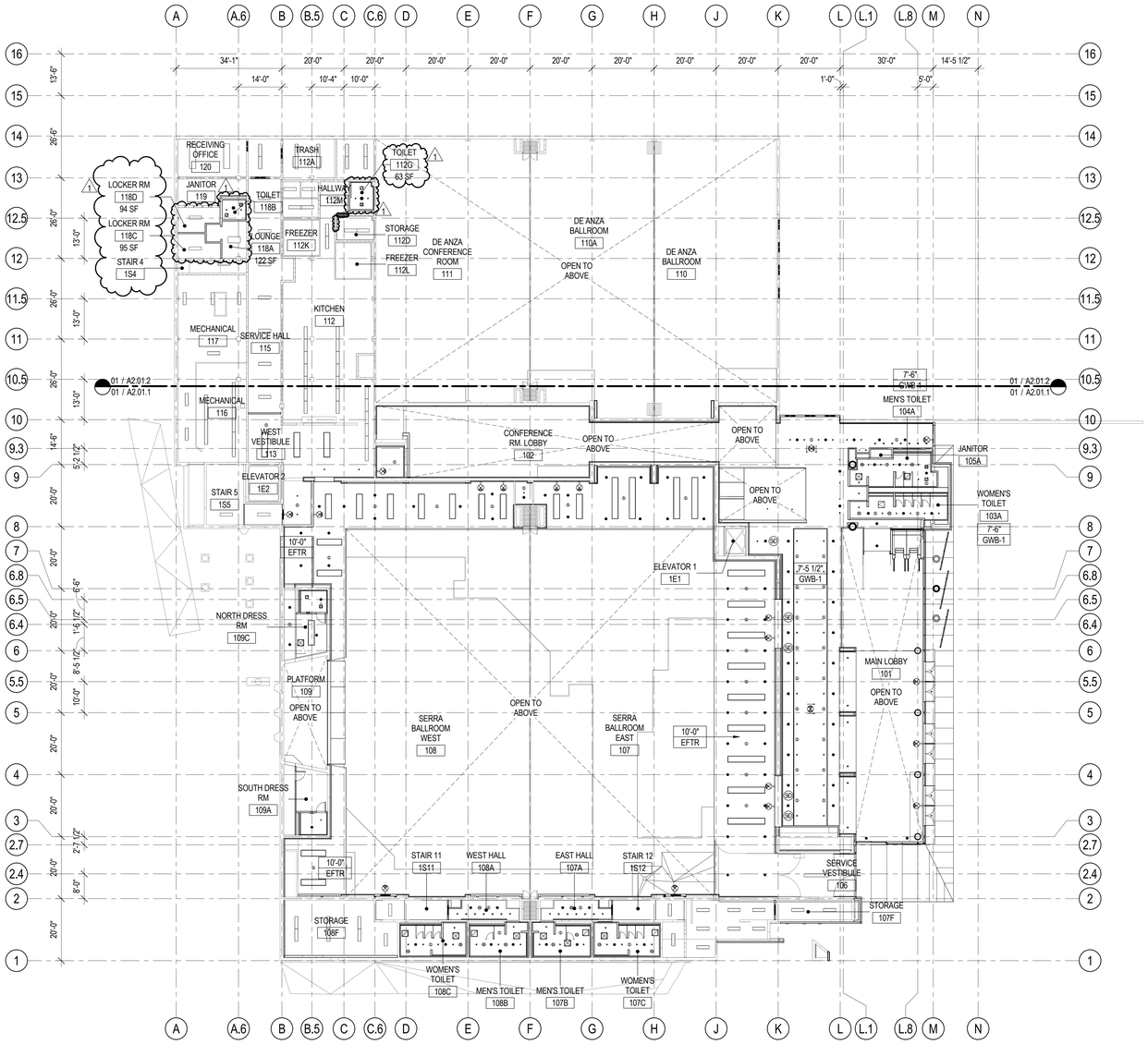

REFLECTED CEILING PLAN - LEVEL 1 01
SCALE: 1/16" = 1'-0"

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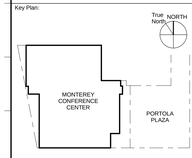

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CLIFTON K. BOSWELL
C-26963
MAY 31 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:

REFLECTED CEILING PLAN - LEVEL 1

Project No.:	Sheet No.:
215004	A4.01
Drawn By: Author	
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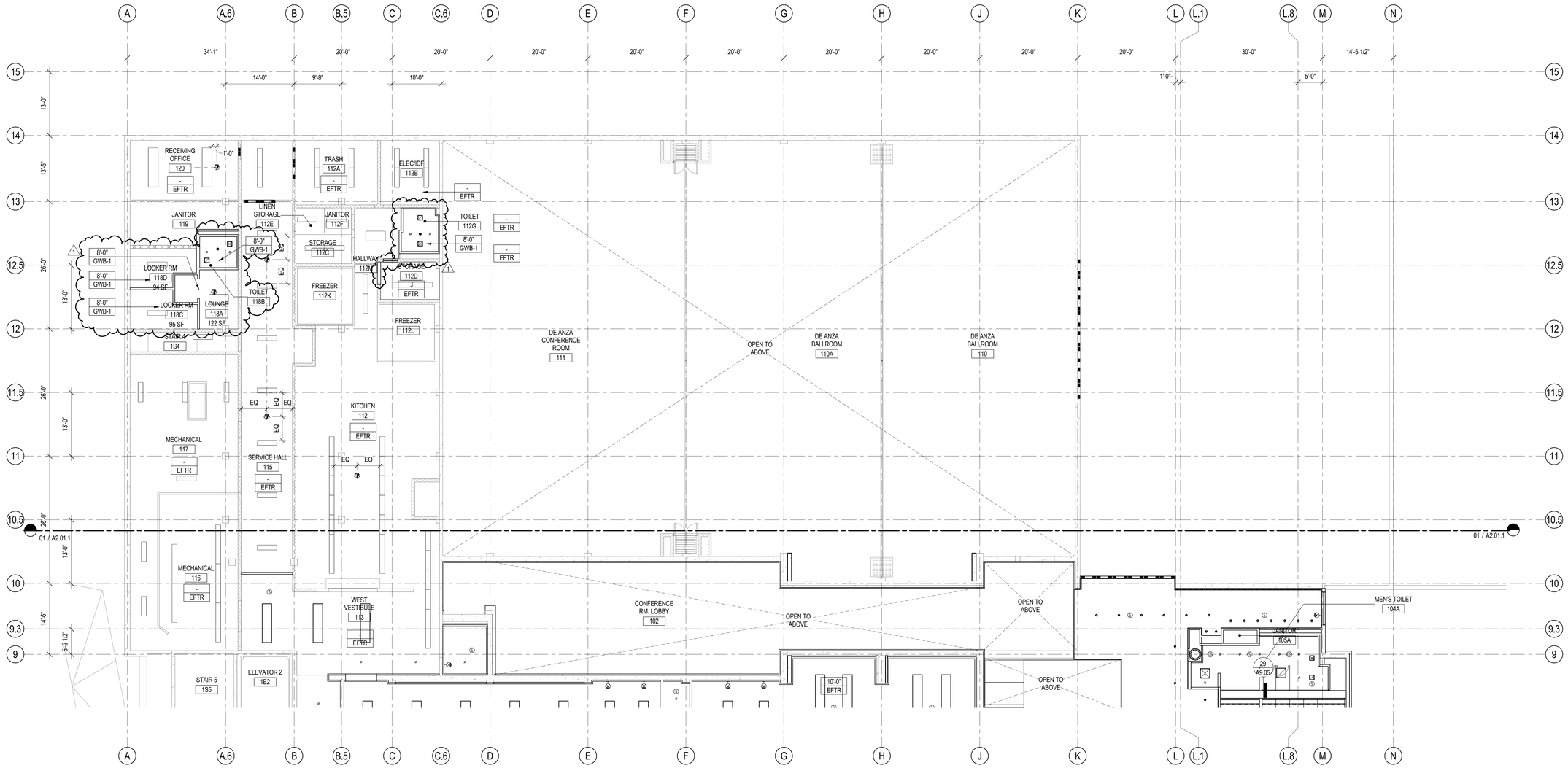

REFLECTED CEILING PLAN - LEVEL 1 - NORTH 01

SCALE: 1/8" = 1'-0"

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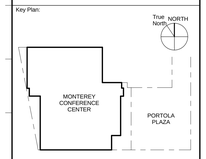

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MAY 3 1 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:

ENLARGED REFLECTED CEILING PLAN - LEVEL 1 - NORTH

Project No.:	Sheet No.:
215004	A4.01.2
Drawn By: Author	
Checked By: Checker	
Scale: 1/8" = 1'-0"	

9/8/2015 10:37:13 PM

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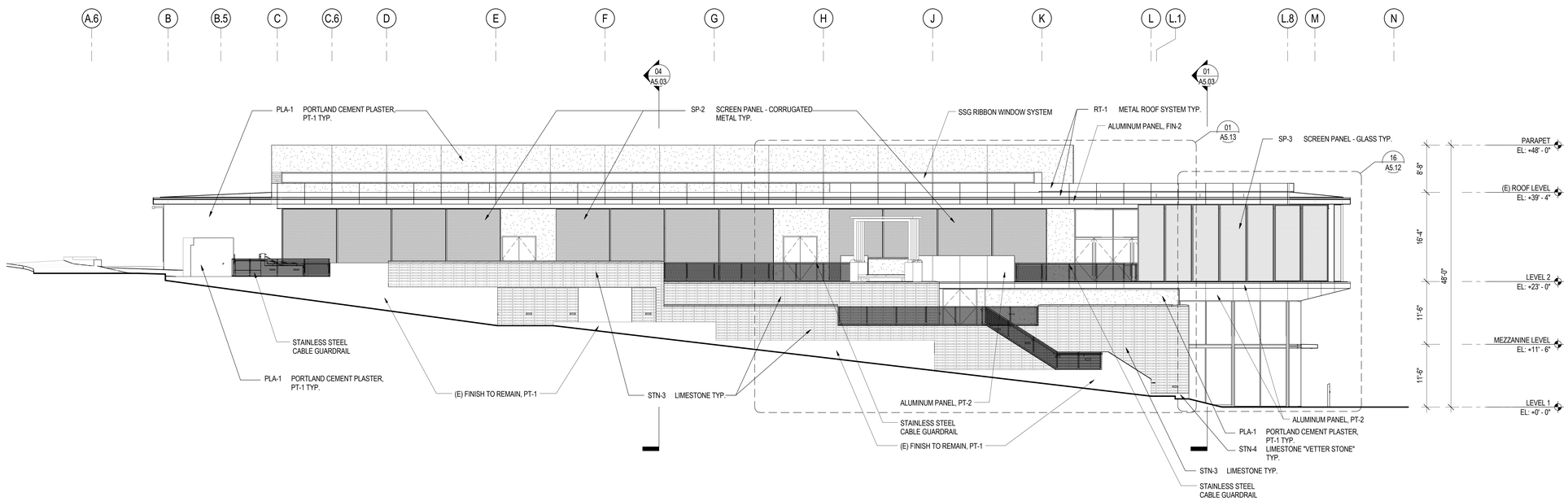
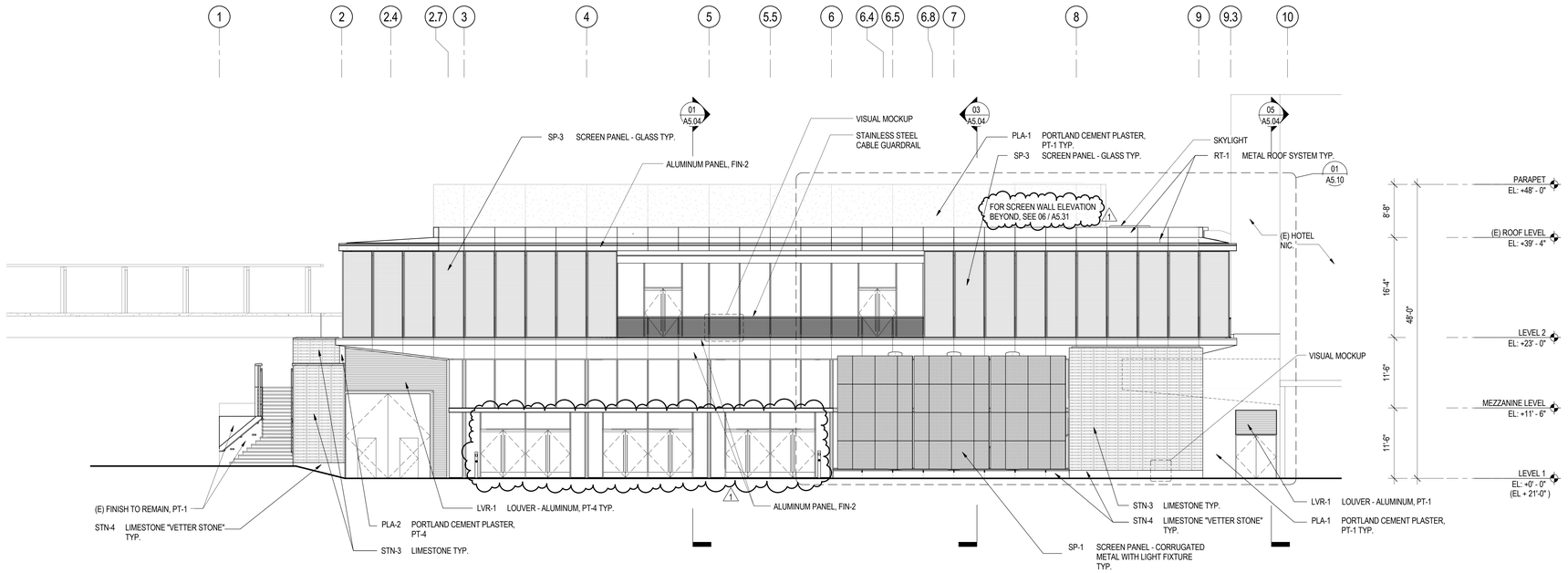
NOTE: ELEVATIONS ON A5.01 ARE SHOWN WITH SCREEN PANELS. FOR EAST AND WEST ELEVATIONS BEYOND (WITHOUT SCREENS) SEE 01&04 /A5.01.1



SOUTH ELEVATION 04

SCALE: 1/8" = 1'-0"



EAST ELEVATION 01

SCALE: 1/8" = 1'-0"

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL
580 PACIFIC STREET, MONTEREY, CA 93940
TEL: (831) 646-5601

Architect:
SOM
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

Consultants:

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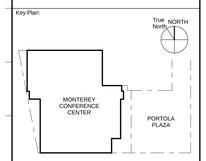
No.	Description:	Date:
	30% SUBMITTAL	20 FEB 2015
	60% PROJECT COMPLETION	15 MAY 2015
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015
1	ADDENDUM 1	11 SEPT 2015

Key Plan:



Seal & Signature:

LICENSED ARCHITECT
CLIFTON K. BOSWELL
C-26963
MAY 31 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:

BUILDING EXTERIOR ELEVATIONS - EAST & SOUTH

Project No.:	Sheet No.:
215004	A5.01
Drawn By: Author	
Checked By: Checker	
Scale: 1/8" = 1'-0"	

9/9/2015 10:33:26 AM

Agreement #: Ag-5097 - Page 337
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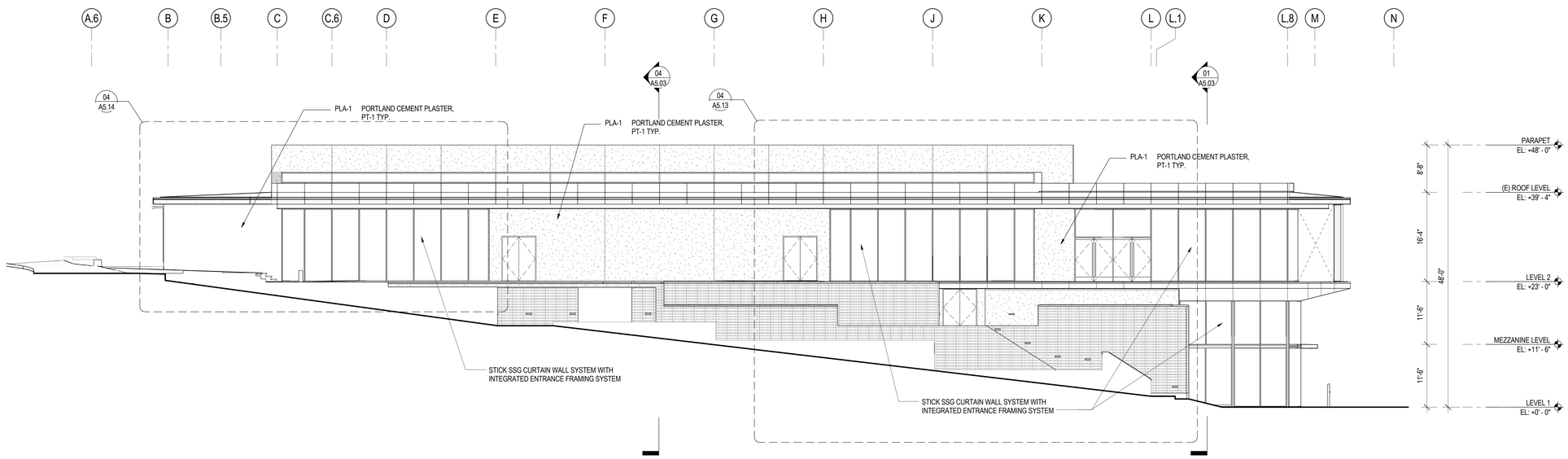
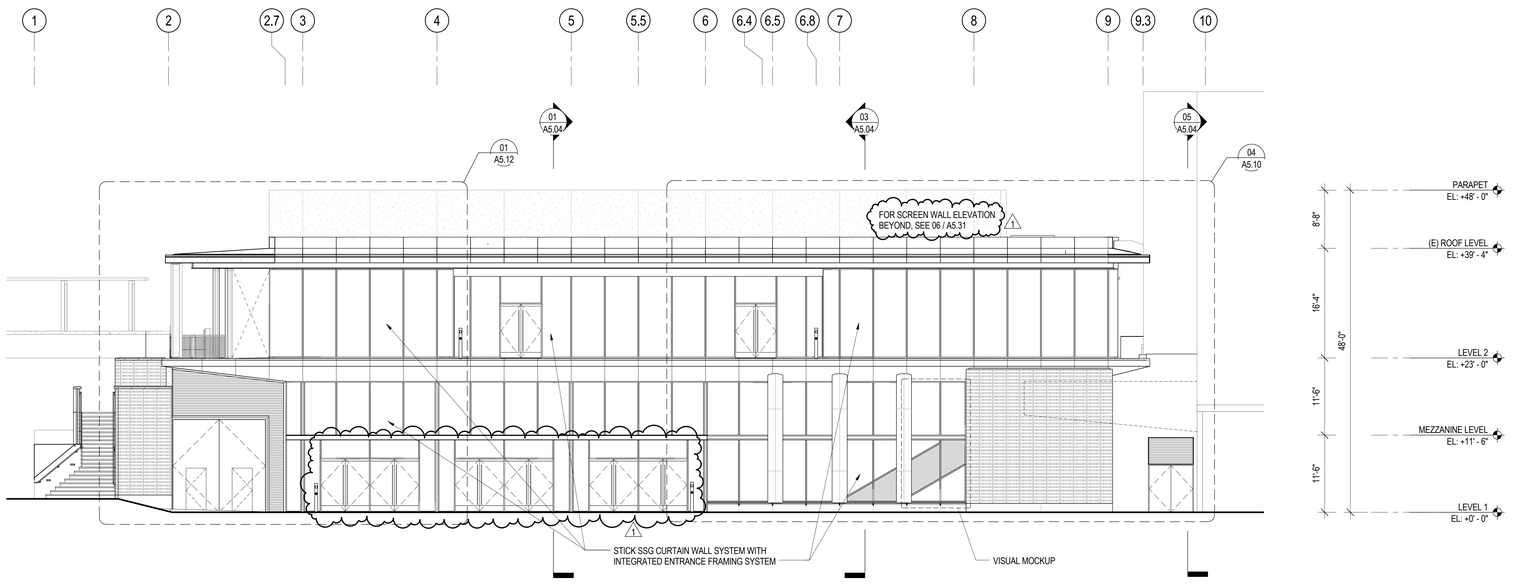
Date
Page 329

NOTE: ELEVATIONS ON A5.01.1 ARE SHOWN WITHOUT SCREEN PANELS. FOR EAST AND WEST ELEVATIONS WITH SCREEN PANELS SEE 01&04 /A5.01



SOUTH WINDOW WALL ELEVATION 04

SCALE: 1/8" = 1'-0"



EAST WINDOW WALL ELEVATION 01

SCALE: 1/8" = 1'-0"

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

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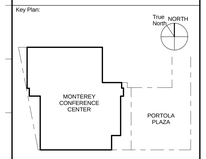
	BID SET	26 AUG 2015
1	ADDENDUM 1	11 SEPT 2015

Key Plan:



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LICENSED ARCHITECT
CLIFTON K. BOSWELL
C-26963
MAY 31 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:

BUILDING EXTERIOR WINDOW WALL ELEVATIONS - EAST & SOUTH

Project No.:	215004	Sheet No.:
Drawn By:	Author	A5.01.1
Checked By:	Checker	
Scale:	1/8" = 1'-0"	

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Agreement #: Ag-5097 - Page 337
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CITY ATTY
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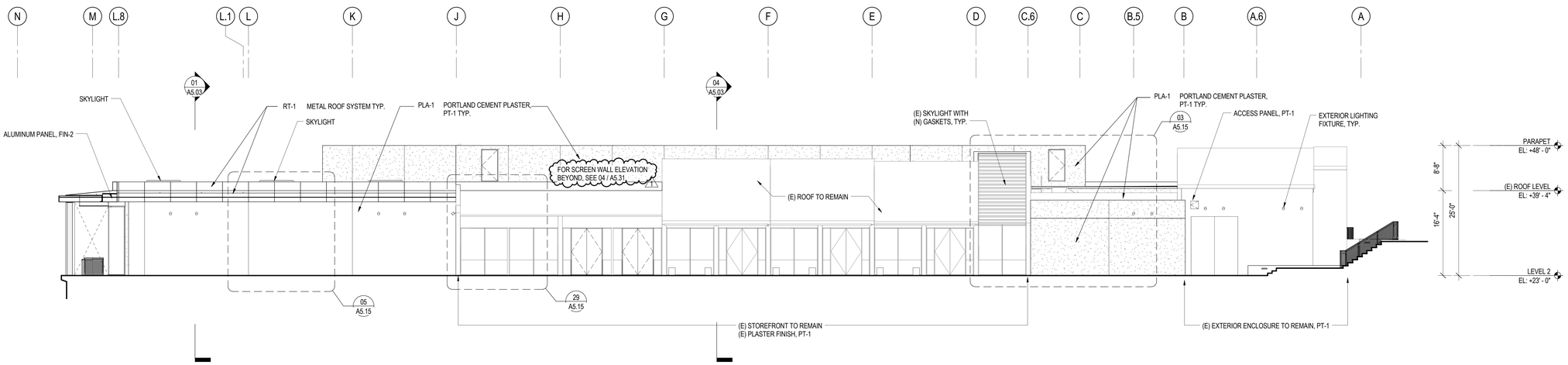
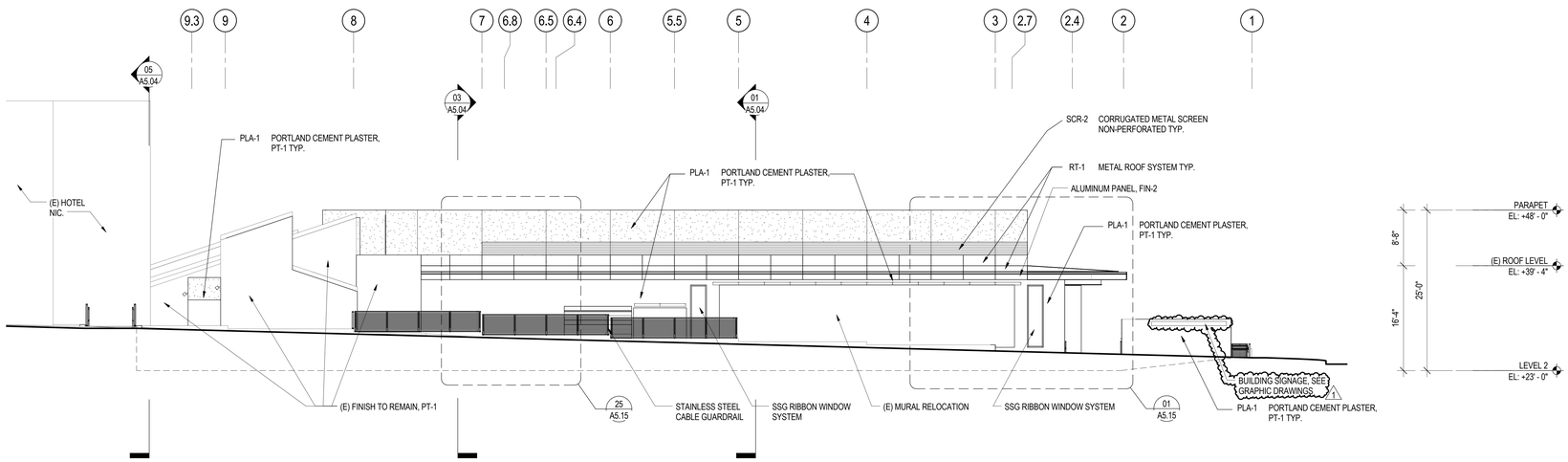
3 2 9



NORTH ELEVATION 04
SCALE: 1/8" = 1'-0"



WEST ELEVATION 01
SCALE: 1/8" = 1'-0"

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

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CITY HALL
580 PACIFIC STREET, MONTEREY, CA 93940
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SAN FRANCISCO, CA 94111

Consultants:

Issued For:

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	PRELIMINARY DESIGN 15% PRICING ISSUE	05 DEC 2014
	ISSUED FOR PLANNING & A.R.C. REVIEW	16 DEC 2014
	30% SUBMITTAL	20 FEB 2015
	60% PROJECT COMPLETION	15 MAY 2015
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
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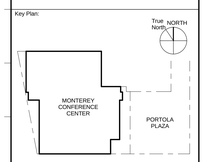
1	ADDENDUM 1	11 SEPT 2015

Key Plan:



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LICENSED ARCHITECT
CLIFTON K. BOSWELL
C-26963
MAY 31 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:

BUILDING EXTERIOR ELEVATIONS - WEST & NORTH

Project No.:	Sheet No.:
215004	A5.02
Drawn By: Author	
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Scale: 1/8" = 1'-0"	

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Agreement #: Ag-5097 - Page 337
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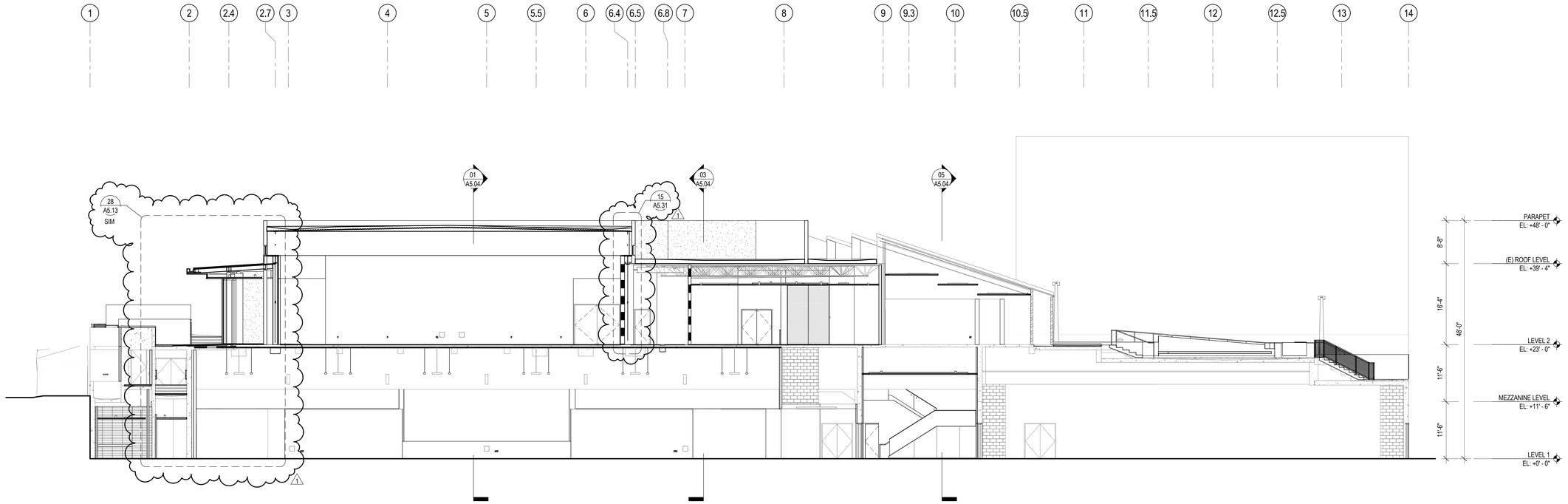
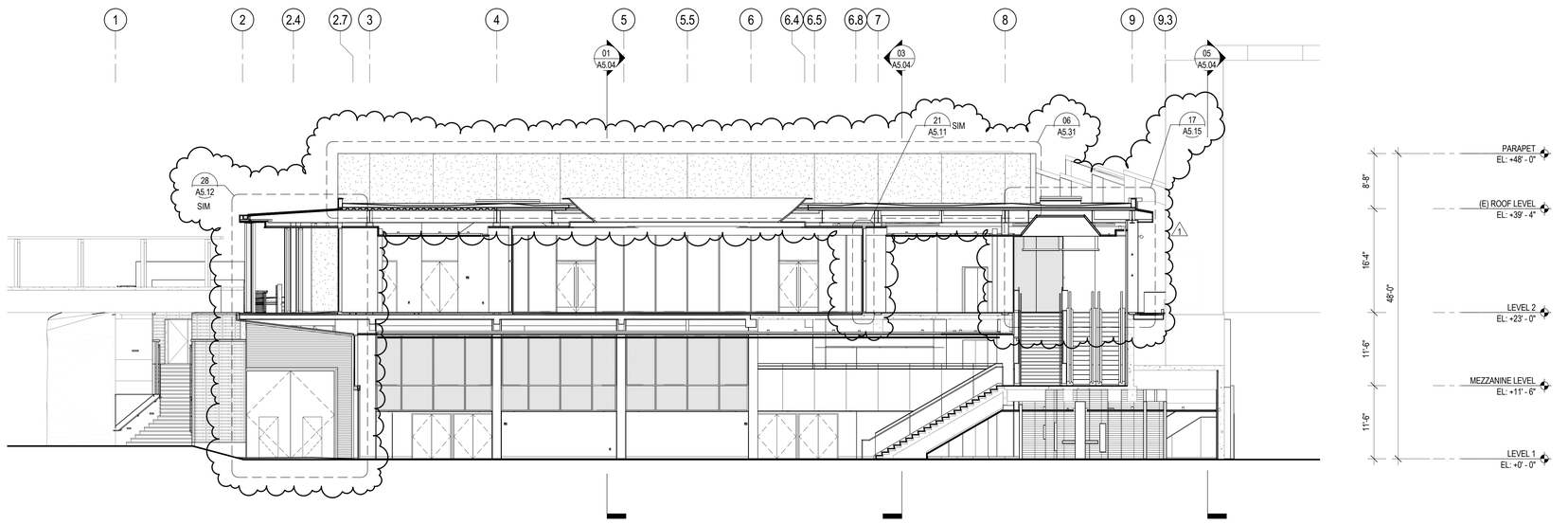
CITY
DEPT
3 2 9



BUILDING SECTION - TRANSVERSE 04
SCALE: 1/8" = 1'-0"



BUILDING SECTION - TRANSVERSE THROUGH LOBBY 01
SCALE: 1/8" = 1'-0"

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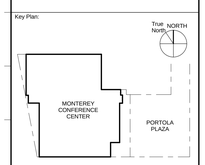
Key Plan:


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CLIFTON K. BOSWELL
C-26963
MAY 3 1 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:
BUILDING SECTIONS

Project No.:	215004	Sheet No.:
Drawn By:	Author	A5.03
Checked By:	Checker	
Scale:	1/8" = 1'-0"	

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Agreement #: Ag-5097 - Page 337 of 529
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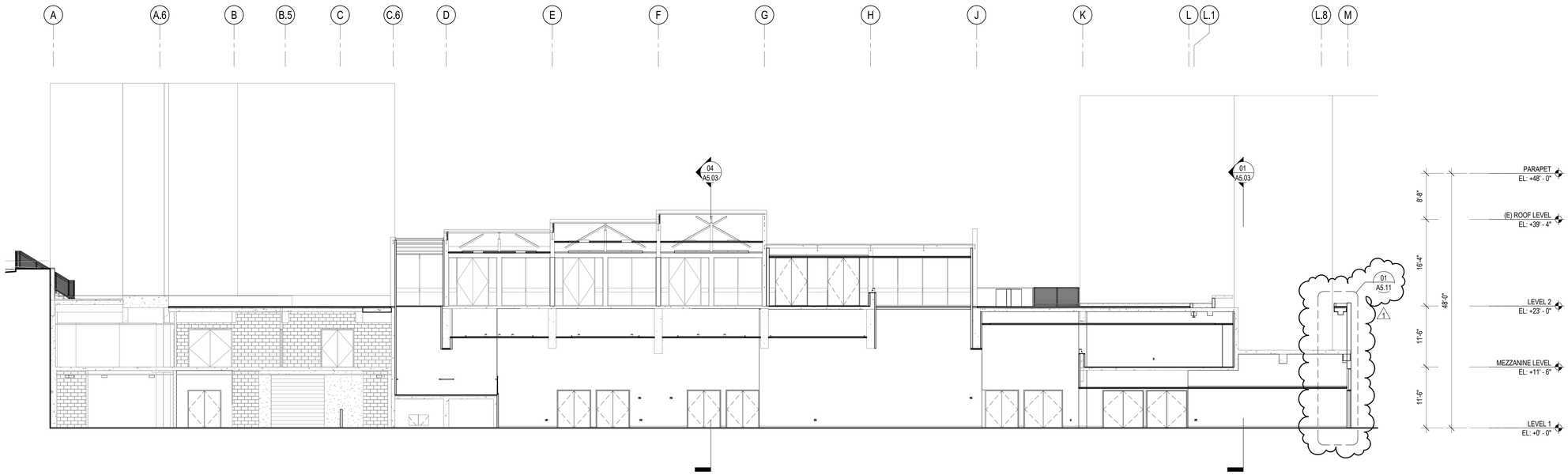
Date



BUILDING SECTION - LONGITUDINAL THROUGH LOBBY NORTH 05
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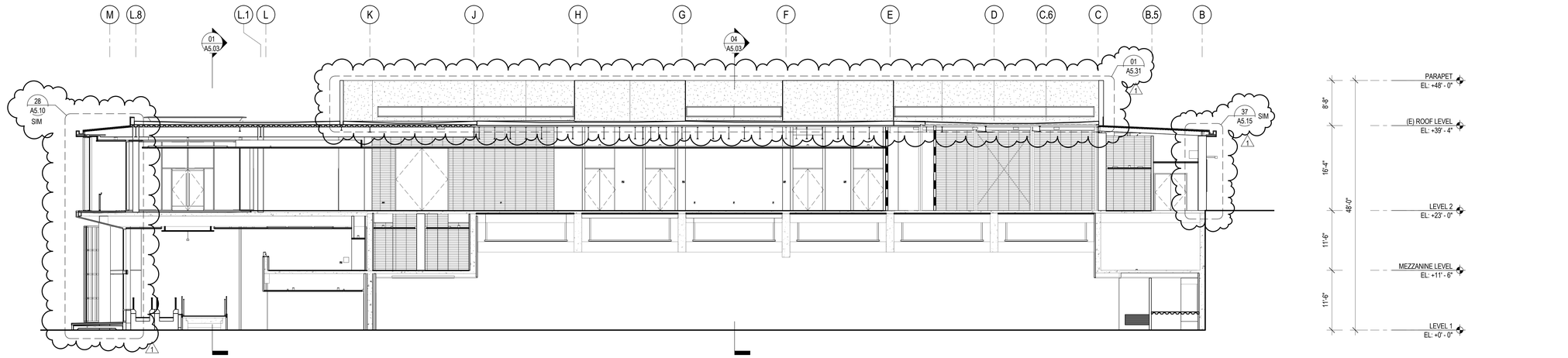
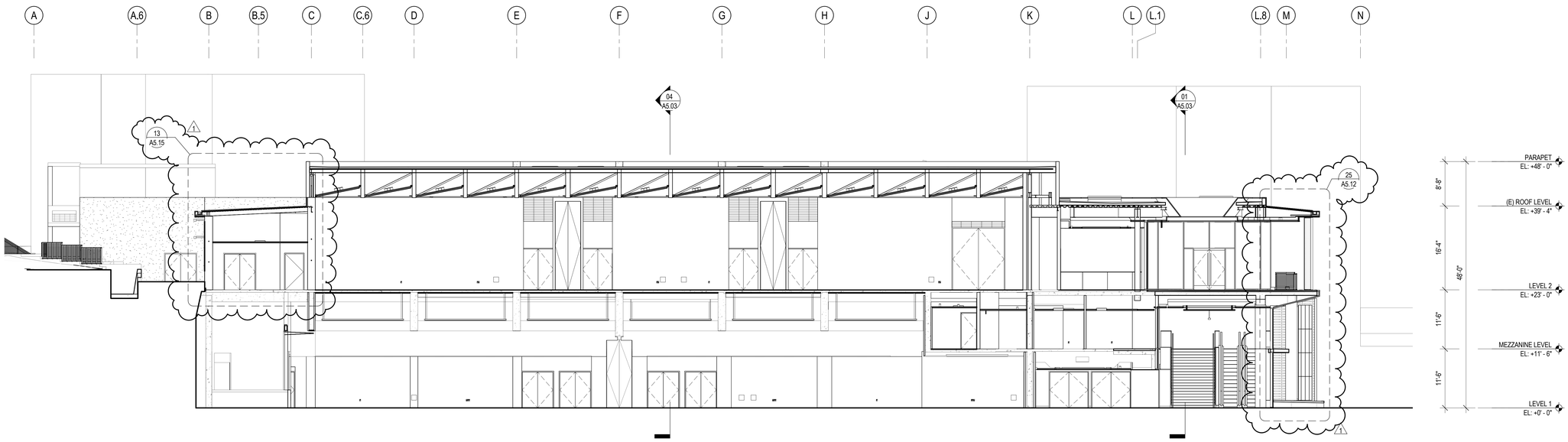


BUILDING SECTION -LONGITUDINAL THROUGH PRE-FUNCTION NORTH 03
SCALE: 1/8" = 1'-0"



BUILDING SECTION - LONGITUDINAL 01
SCALE: 1/8" = 1'-0"

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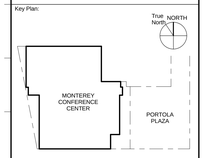
Key Plan:



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LICENSED ARCHITECT
CLIFTON K. BOSWELL
C-26963
MAY 31 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:
BUILDING SECTIONS

Project No.:	Sheet No.:
215004	A5.04
Drawn By: Author	
Checked By: Checker	
Scale: 1/8" = 1'-0"	

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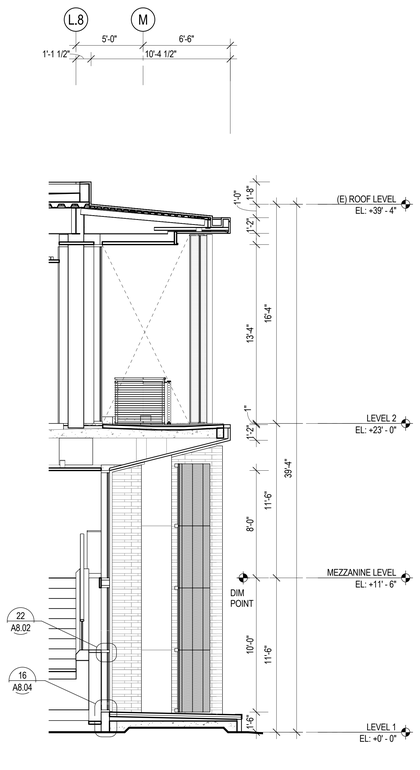
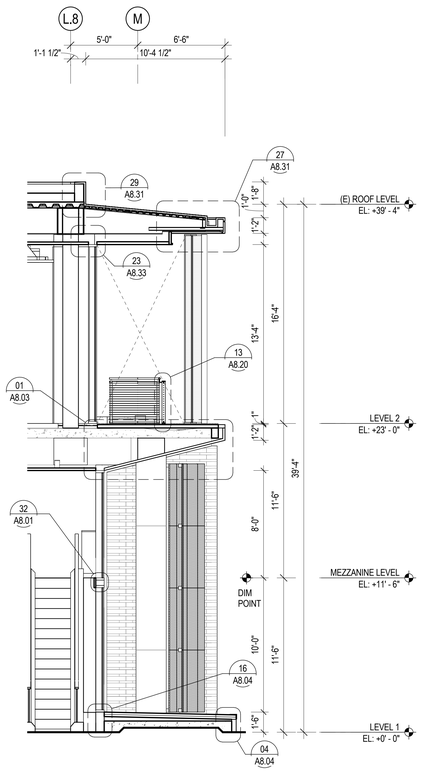
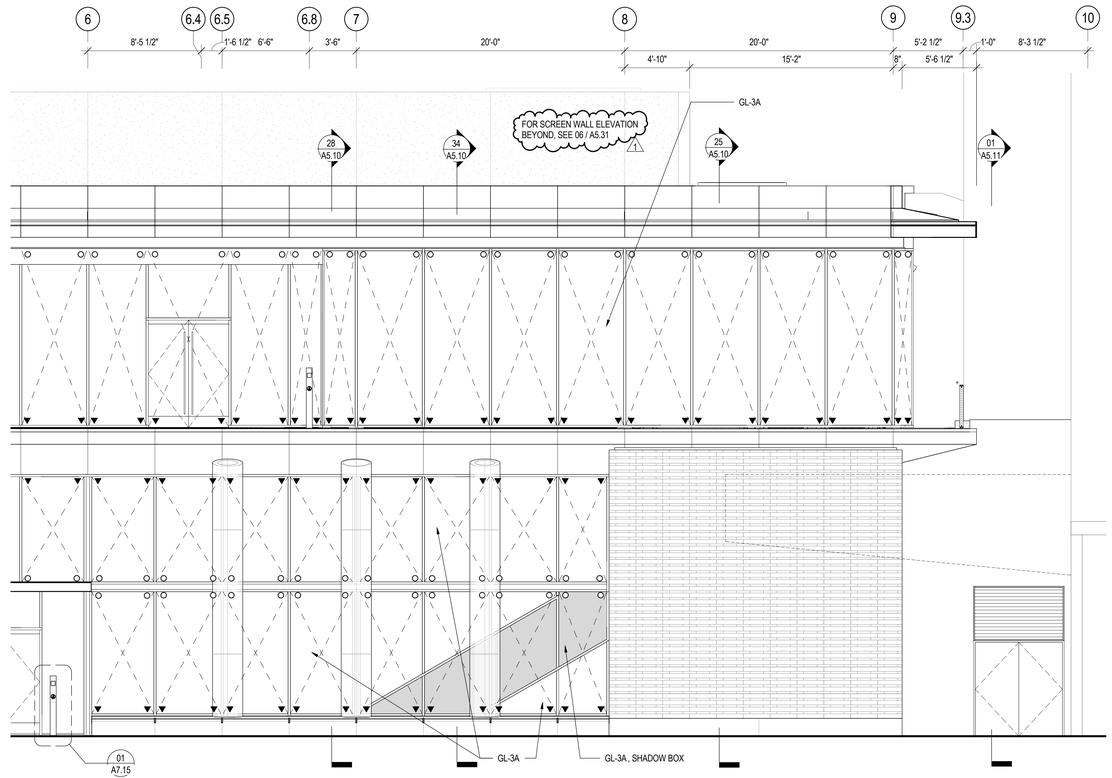
Agreement #: Ag-5097 - Page 337
Approved as to Form
Date
Item 329



PARTIAL SECTION 34
SCALE: 1/4" = 1'-0"
SEE 28/-- FOR DETAIL CALLOUTS UON

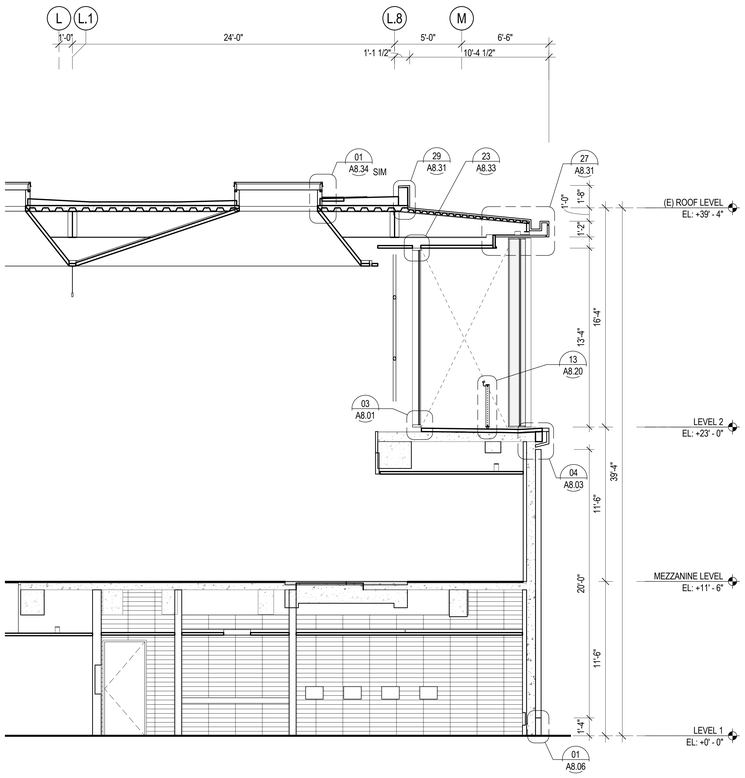


PARTIAL SECTION 28
SCALE: 1/4" = 1'-0"

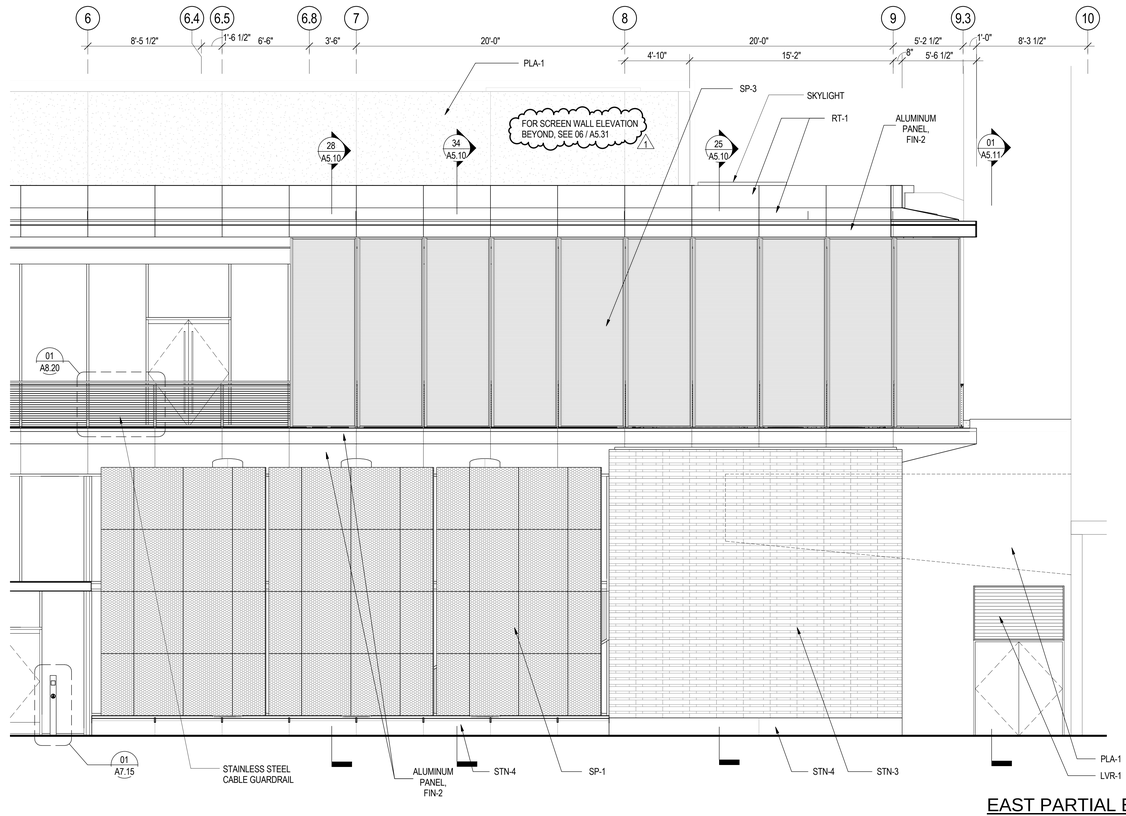


EAST PARTIAL WINDOW WALL ELEVATION
(WITHOUT SCREENS)
SCALE: 1/4" = 1'-0" 04

LEGEND
- UNIT
- GRAVITY CONNECTION
- LATERAL CONNECTION



PARTIAL SECTION 25
SCALE: 1/4" = 1'-0"



EAST PARTIAL ELEVATION
(WITH SCREENS)
SCALE: 1/4" = 1'-0" 01

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL
580 PACIFIC STREET, MONTEREY, CA 93940
TEL: (831) 646-5601

Architect:
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Consultants:

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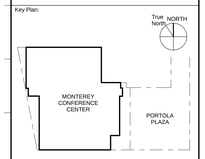
1	ADDENDUM 1	11 SEPT 2015

Key Plan:



Seal & Signature:

LICENSED ARCHITECT
CLIFTON K. BOSWELL
C-26963
MAY 3 1 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:

ENLARGED BUILDING EXTERIOR ELEVATIONS & SECTIONS

Project No.:	215004	Sheet No.:
Drawn By:	Author	A5.10
Checked By:	Checker	
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Agreement #: Ag-5097 - Page 337 of 529
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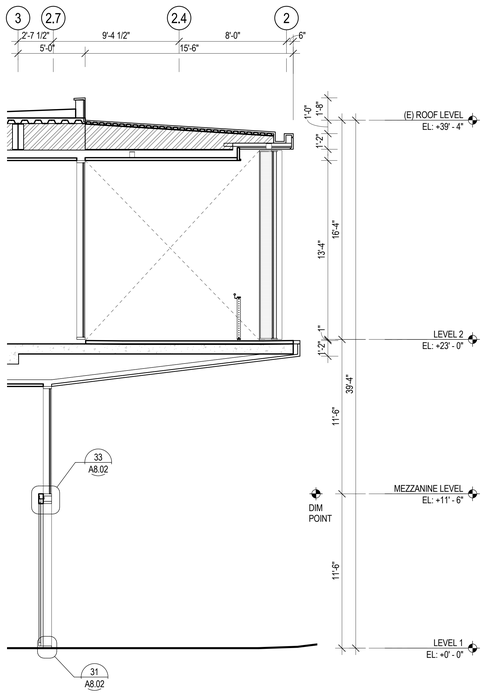
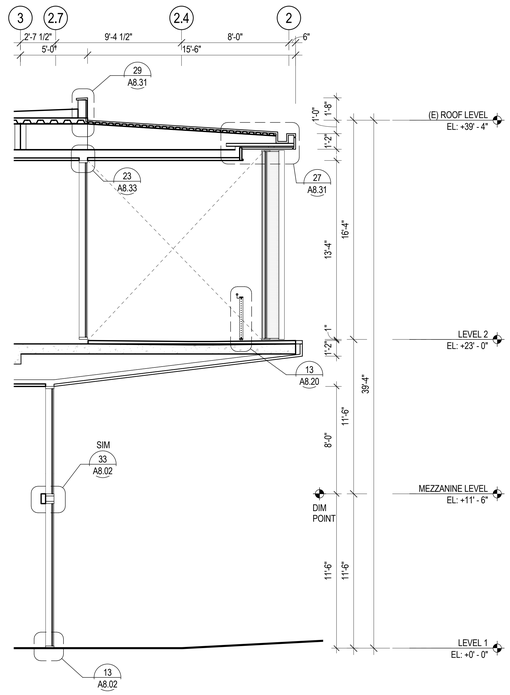
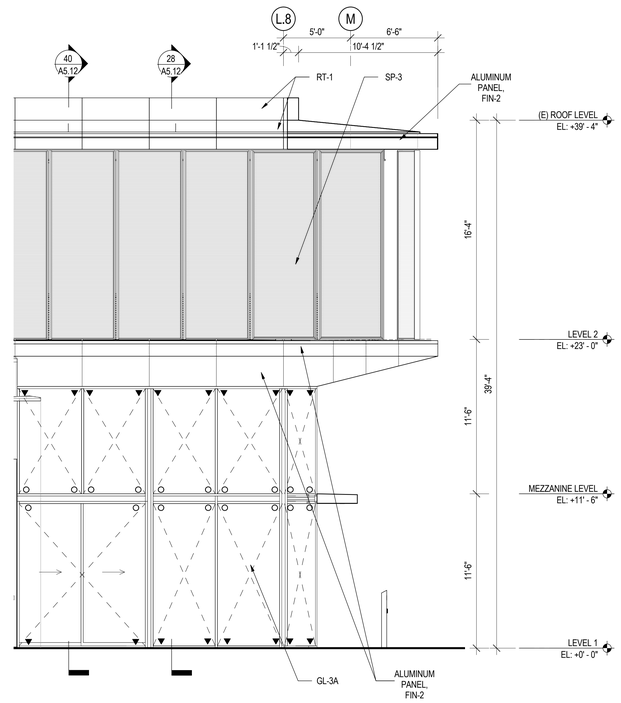


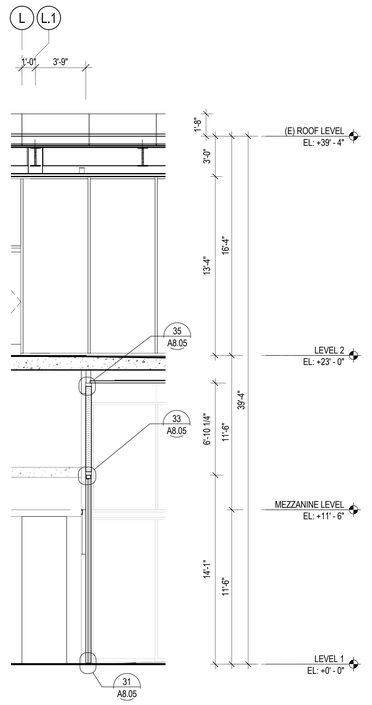
PARTIAL SECTION 40
SCALE: 1/4" = 1'-0"
SEE 28/-- FOR DETAIL CALLOUTS UON



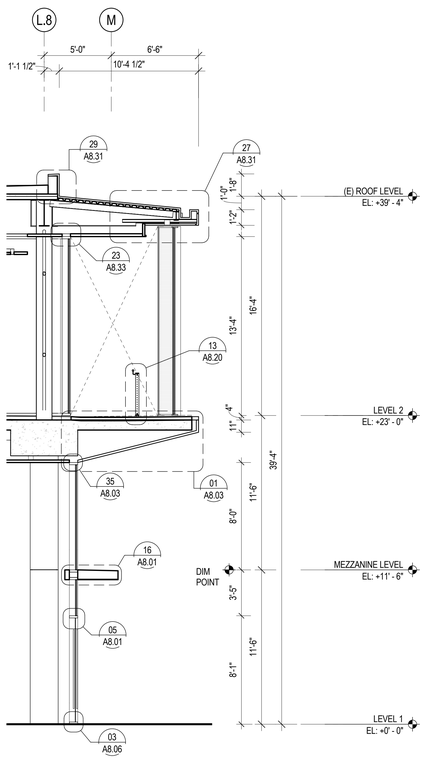
PARTIAL SECTION 28
SCALE: 1/4" = 1'-0"



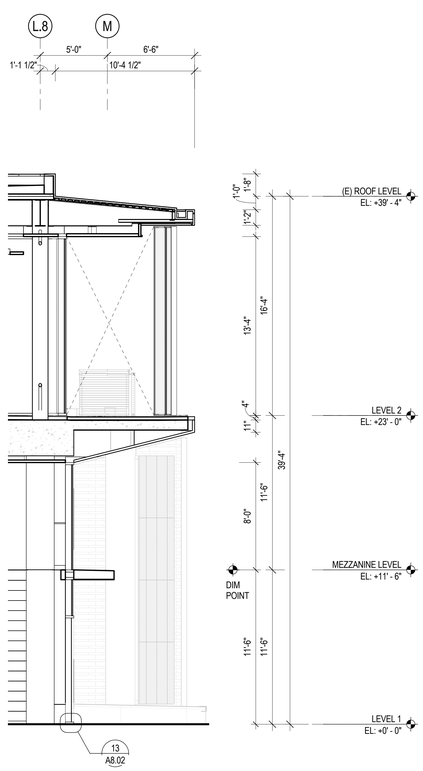
SOUTH PARTIAL ELEVATION 16
SCALE: 1/4" = 1'-0"



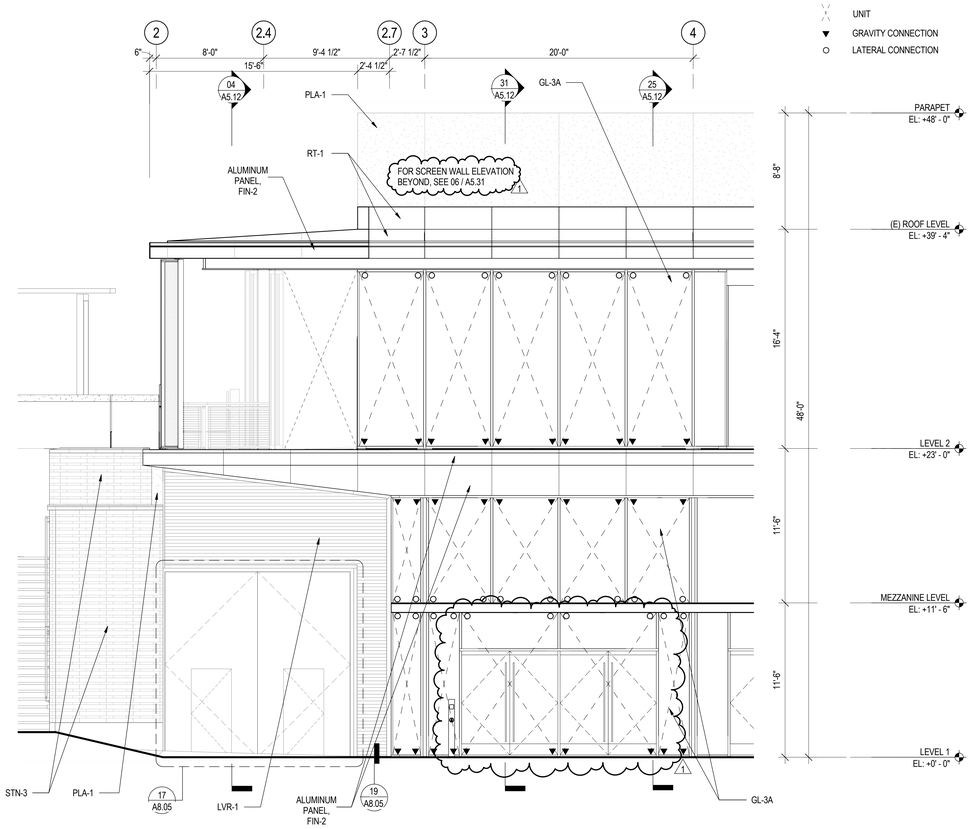
PARTIAL SECTION 04
SCALE: 1/4" = 1'-0"



PARTIAL SECTION 31
SCALE: 1/4" = 1'-0"



PARTIAL SECTION 25
SCALE: 1/4" = 1'-0"
SEE 31/- FOR DETAIL CALLOUTS UON



EAST PARTIAL WINDOW WALL ELEVATION
(WITHOUT SCREENS)
SCALE: 1/4" = 1'-0" 01

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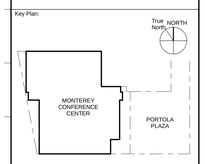
Key Plan:



Seal & Signature:

LICENSED ARCHITECT
CLIFTON K. BOSWELL
C-26963
MAY 31 2017
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DATE
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Sheet Name:

ENLARGED BUILDING EXTERIOR ELEVATIONS & SECTIONS

Project No.:	215004	Sheet No.:
Drawn By:	Author	A5.12
Checked By:	Checker	
Scale:	As indicated	

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Agreement #: Ag-5097 - Page 337 of 529
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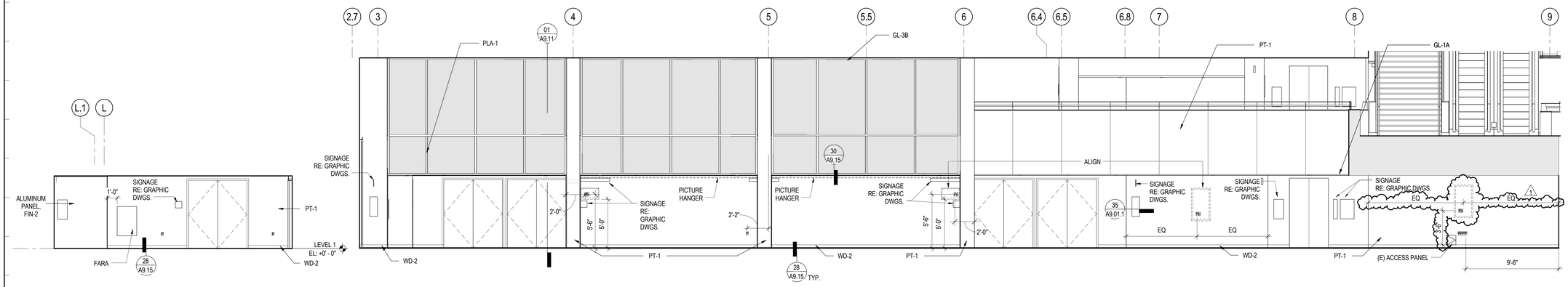
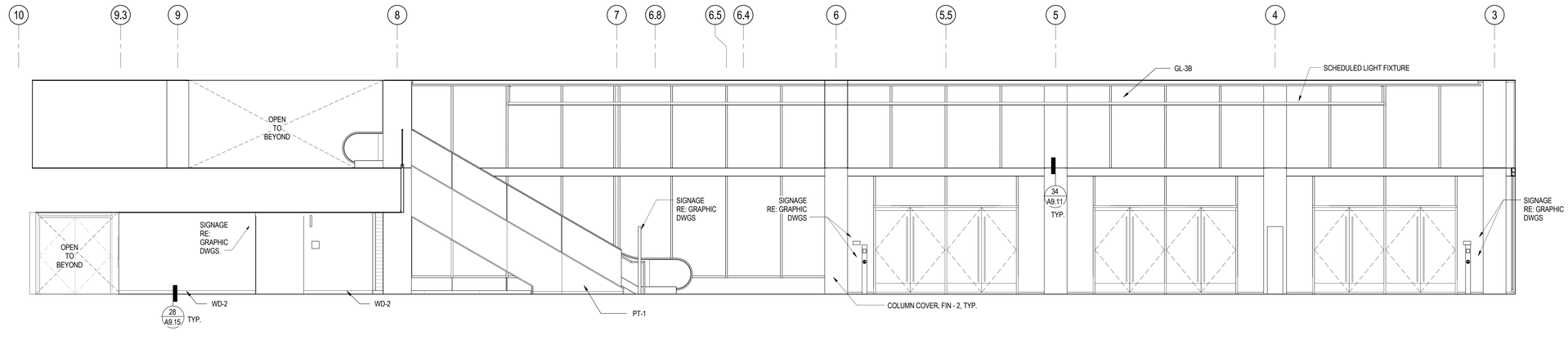
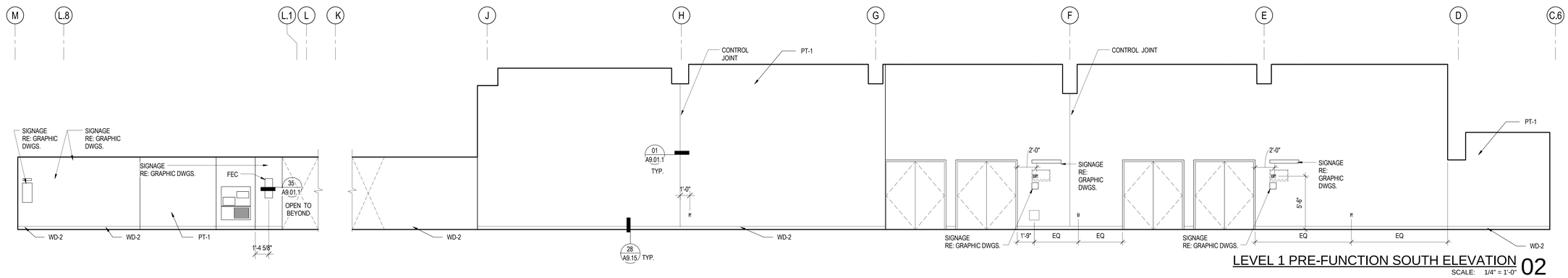


LEVEL 1 LOBBY SOUTH ELEVATION 35
SCALE: 1/4" = 1'-0"

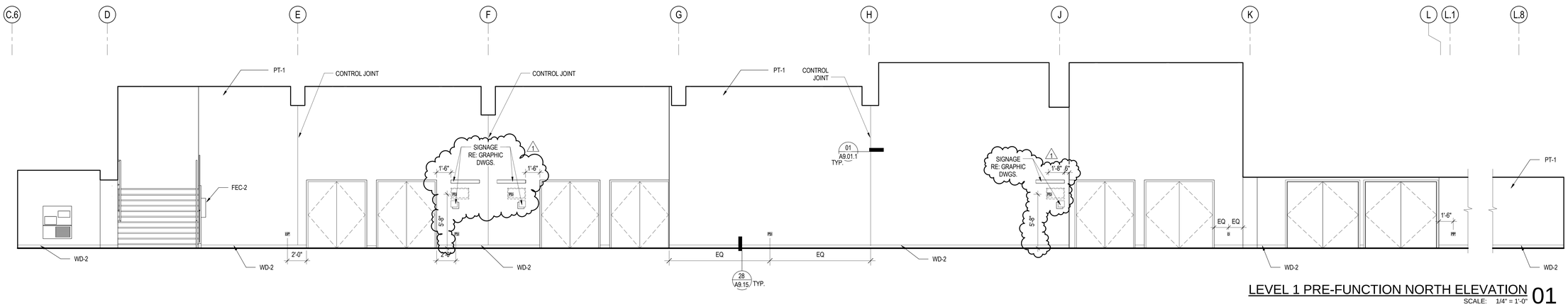
LEVEL 1 LOBBY WEST ELEVATION 05
SCALE: 1/4" = 1'-0"



LEVEL 1 LOBBY EAST ELEVATION 04
SCALE: 1/4" = 1'-0"



LEVEL 1 PRE-FUNCTION SOUTH ELEVATION 02
SCALE: 1/4" = 1'-0"



LEVEL 1 PRE-FUNCTION NORTH ELEVATION 01
SCALE: 1/4" = 1'-0"

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL
580 PACIFIC STREET, MONTEREY, CA 93940
TEL: (831) 646-5601

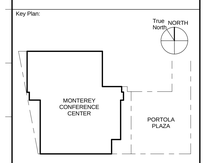
Architect:
SOM
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

Consultants:

Issued For:

No.	Description:	Date:
	30% SUBMITTAL	20 FEB 2015
	60% PROJECT COMPLETION	15 MAY 2015
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015
1	ADDENDUM 1	11 SEPT 2015

Key Plan:



Seal & Signature:

LICENSED ARCHITECT
CLIFTON K. BOSWELL
C-26963
MAY 3 1 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:

INTERIOR ELEVATIONS

Project No.:	Sheet No.:
215004	A6.01
Drawn By: Author	
Checked By: Checker	
Scale: 1/4" = 1'-0"	

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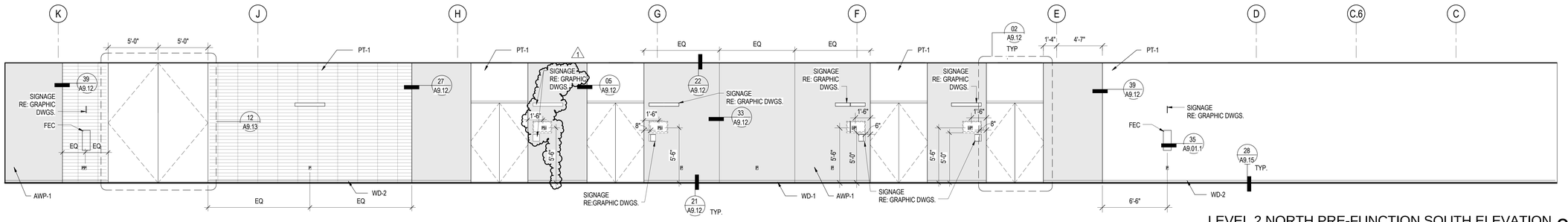
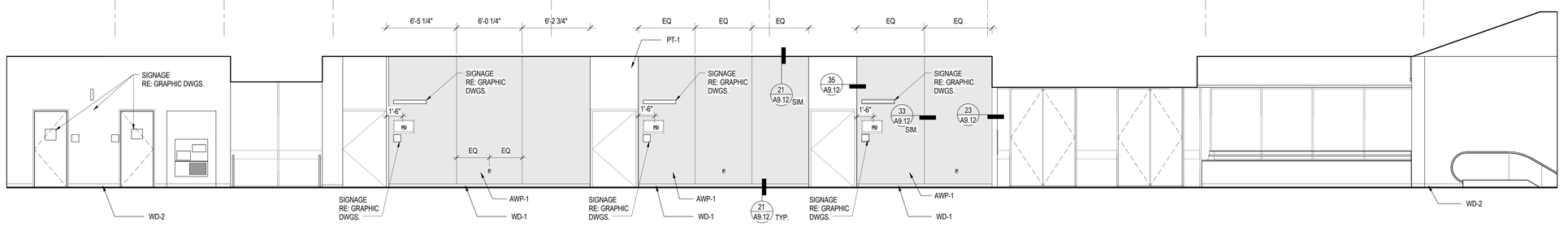
Approved as to Form
Date



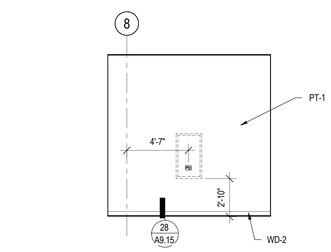
LEVEL 2 NORTH PRE-FUNCTION SOUTH ELEVATION 06

SCALE: 1/4" = 1'-0"



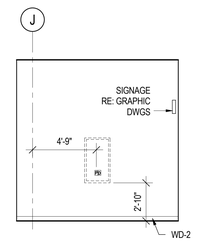
LEVEL 2 NORTH PRE-FUNCTION NORTH ELEVATION 04

SCALE: 1/4" = 1'-0"



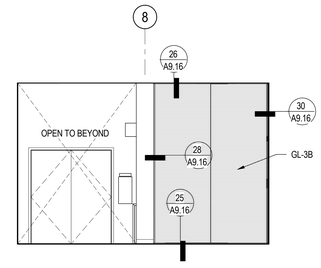
LEVEL 2 PRE-FUNCTION AT ELEVATOR EAST 21

SCALE: 1/4" = 1'-0"



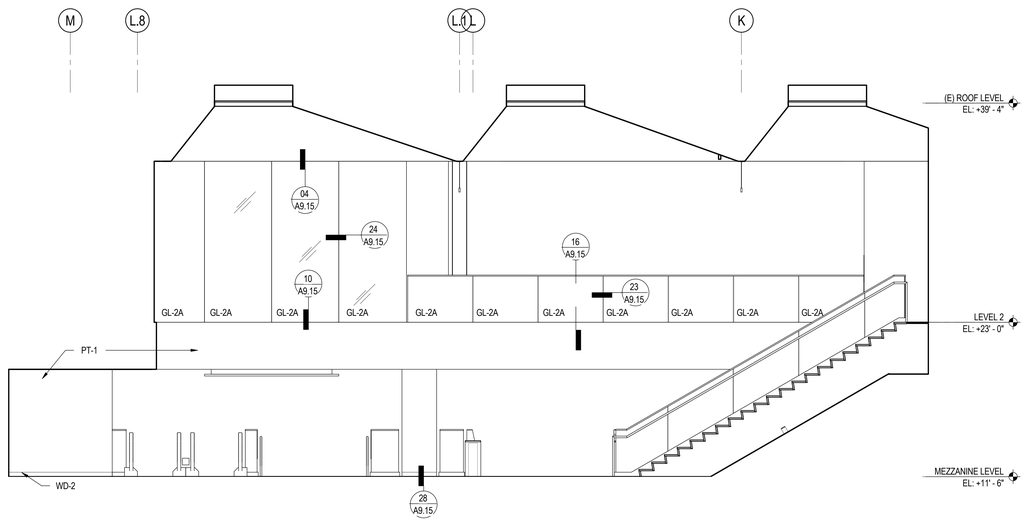
LEVEL 2 PRE-FUNCTION AT ELEVATOR NORTH 15

SCALE: 1/4" = 1'-0"



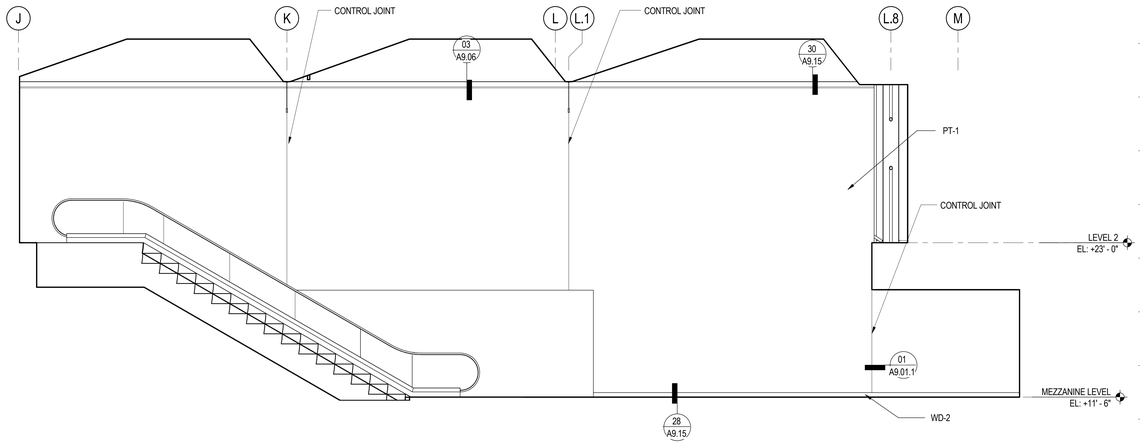
LEVEL 2 NORTH PRE-FUNCTION WEST ELEVATION 03

SCALE: 1/4" = 1'-0"



LEVEL 2 NORTH ESCALATOR SOUTH ELEVATION 25

SCALE: 1/4" = 1'-0"



LEVEL 2 NORTH ESCALATOR NORTH ELEVATION 01

SCALE: 1/4" = 1'-0"

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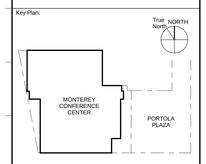
	BID SET	26 AUG 2015
1	ADDENDUM 1	11 SEPT 2015

Key Plan:



Seal & Signature:

LICENSED ARCHITECT
CLIFTON K. BOSWELL
C-26963
MAY 31 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:

INTERIOR ELEVATIONS

Project No.:	215004	Sheet No.:
Drawn By:	Author	A6.04
Checked By:	Checker	
Scale:	1/4" = 1'-0"	

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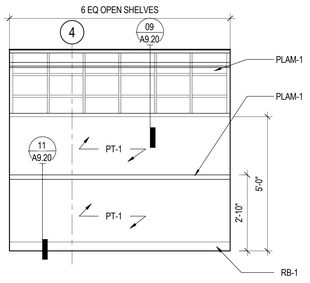
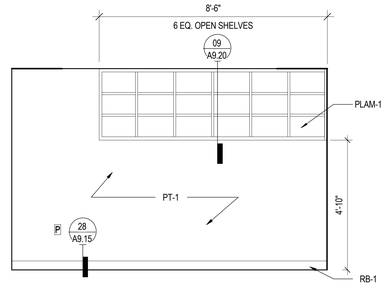
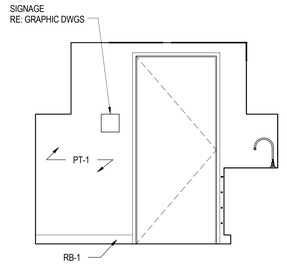
Approved as to Form
Date 5 2 9



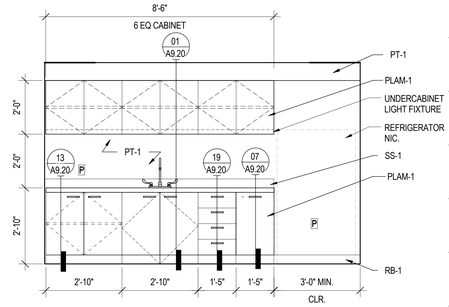
MEZZANINE STORAGE WEST ELEVATION 35
SCALE: 1/2" = 1'-0"



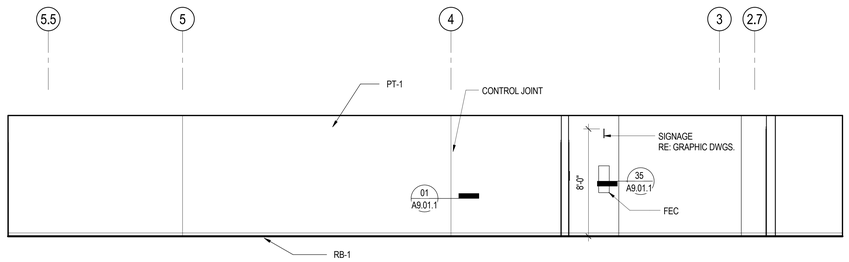
MEZZANINE PANTRY EAST ELEVATION 23
SCALE: 1/2" = 1'-0"



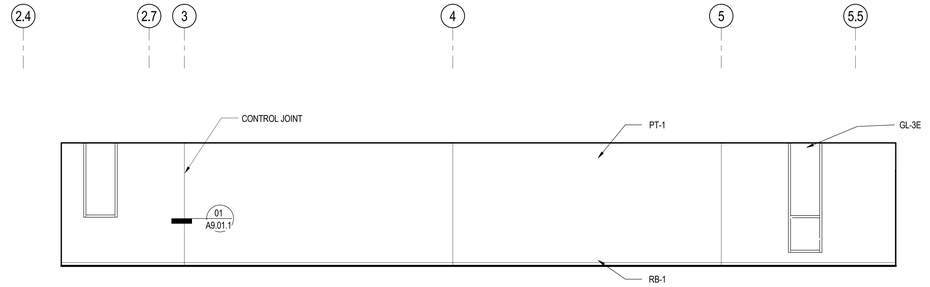
MEZZANINE PANTRY SOUTH ELEVATION 17
SCALE: 1/2" = 1'-0"



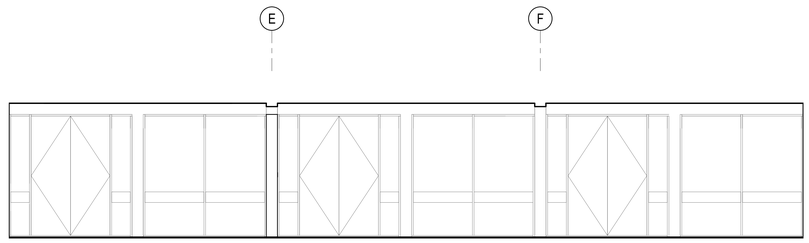
MEZZANINE PANTRY WEST ELEVATION 05
SCALE: 1/2" = 1'-0"



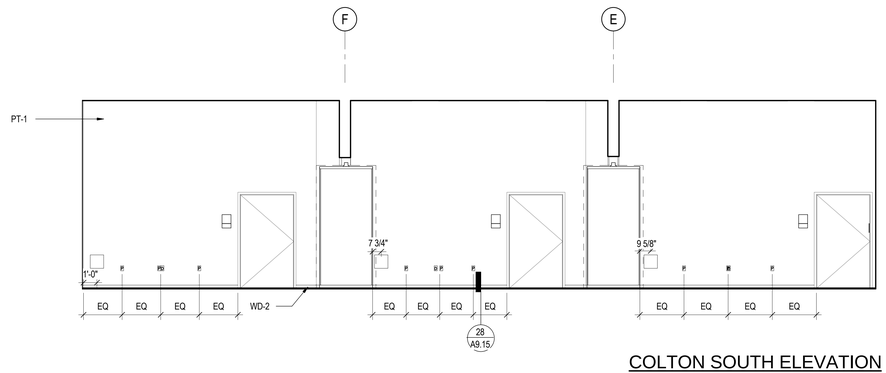
LEVEL 2 SERVICE EAST ELEVATION 21
SCALE: 1/4" = 1'-0"



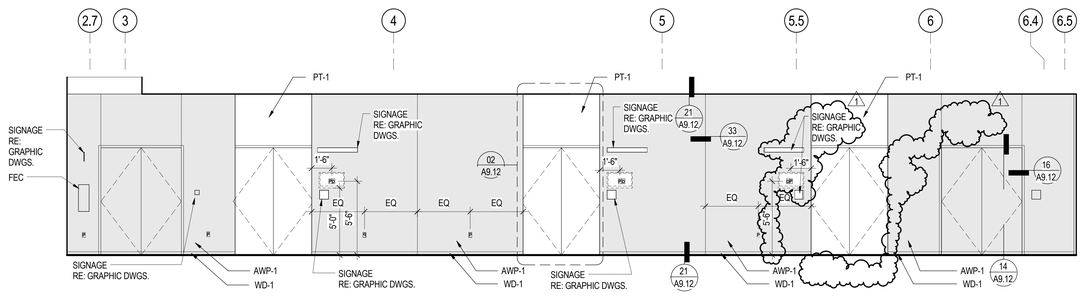
LEVEL 2 SERVICE WEST ELEVATION 03
SCALE: 1/4" = 1'-0"



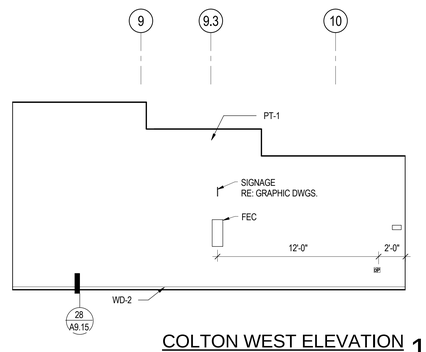
COLTON NORTH ELEVATION 20
SCALE: 1/4" = 1'-0"



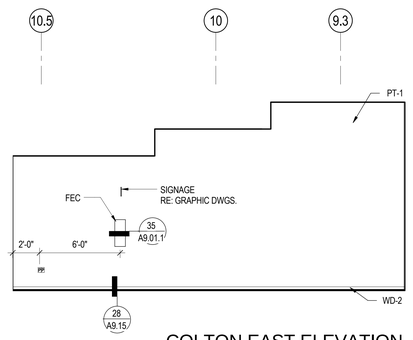
COLTON SOUTH ELEVATION 02
SCALE: 1/4" = 1'-0"



LEVEL 2 EAST PRE-FUNCTION WEST ELEVATION 19
SCALE: 1/4" = 1'-0"



COLTON WEST ELEVATION 13
SCALE: 1/4" = 1'-0"



COLTON EAST ELEVATION 01
SCALE: 1/4" = 1'-0"

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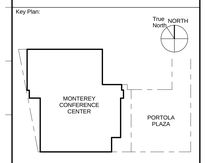

Seal & Signature:
LICENSED ARCHITECT
CLIFTON K. BOSWELL
C-26963
MAY 3 1 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:
INTERIOR ELEVATIONS

Project No.:	Sheet No.:
215004	A6.05
Drawn By: Author	
Checked By: Checker	
Scale: As indicated	

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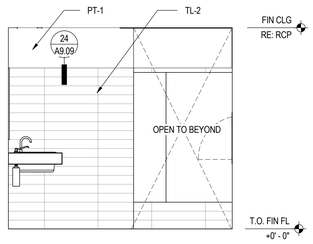
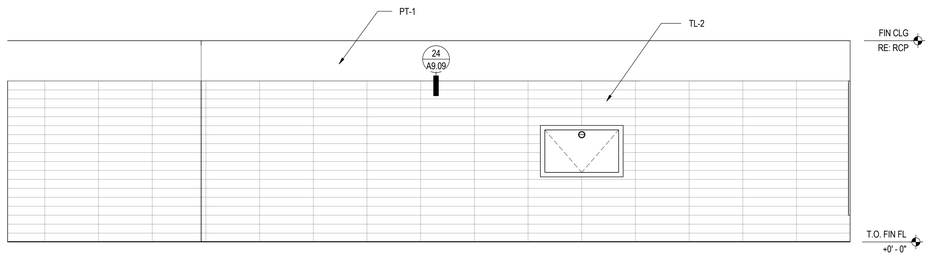
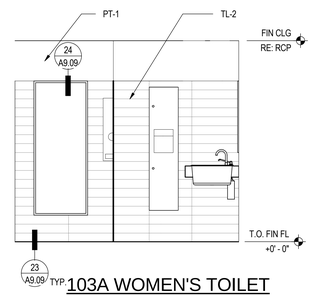


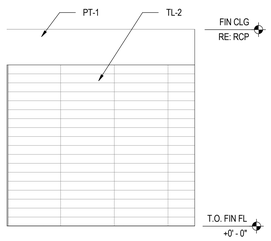
103A WOMEN'S TOILET EAST ELEVATION 24
SCALE: 1/2" = 1'-0"



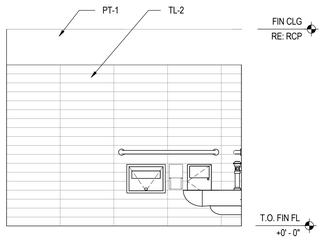
103A WOMEN'S TOILET SOUTH ELEVATION 12
SCALE: 1/2" = 1'-0"



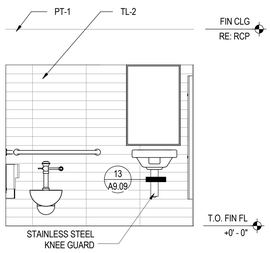
103A WOMEN'S TOILET WEST ELEVATION 06
SCALE: 1/2" = 1'-0"



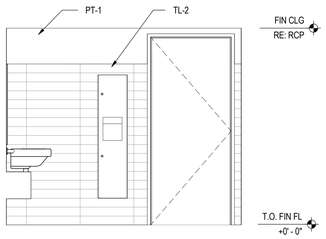
109B TOILET ROOM EAST ELEVATION 34
SCALE: 1/2" = 1'-0"



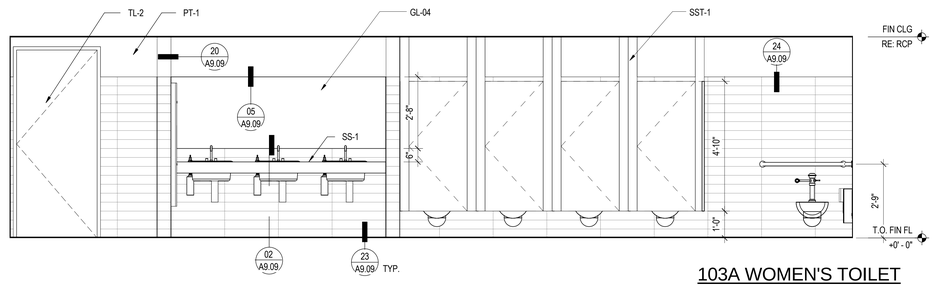
109B TOILET ROOM SOUTH ELEVATION 28
SCALE: 1/2" = 1'-0"



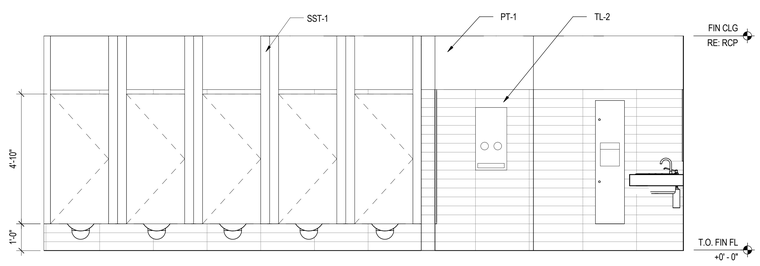
109B TOILET ROOM WEST ELEVATION 22
SCALE: 1/2" = 1'-0"



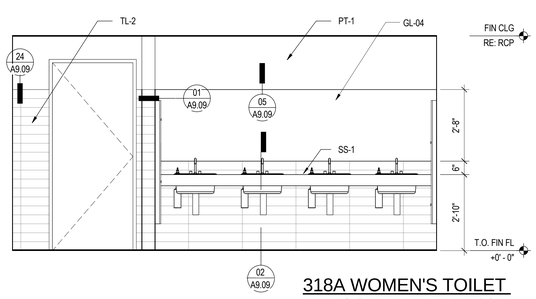
109B TOILET ROOM NORTH ELEVATION 16
SCALE: 1/2" = 1'-0"



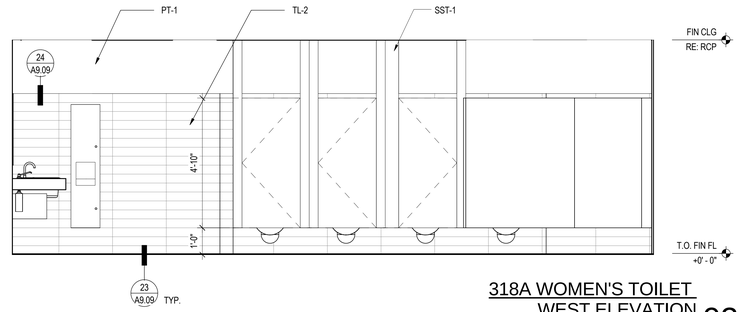
103A WOMEN'S TOILET NORTH ELEVATION 04
SCALE: 1/2" = 1'-0"



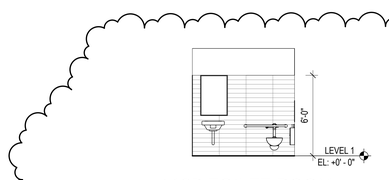
318A WOMEN'S TOILET EAST ELEVATION 20
SCALE: 1/2" = 1'-0"



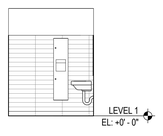
318A WOMEN'S TOILET SOUTH ELEVATION 14
SCALE: 1/2" = 1'-0"



318A WOMEN'S TOILET WEST ELEVATION 02
SCALE: 1/2" = 1'-0"

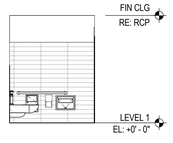


118B TOILET ROOM NORTH ELEVATION 38
SCALE: 1/4" = 1'-0"

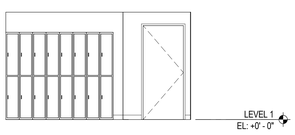


118B TOILET ROOM WEST ELEVATION 32
SCALE: 1/4" = 1'-0"

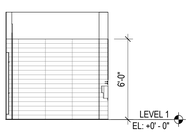
118B TOILET ROOM SOUTH ELEVATION 26
SCALE: 1/4" = 1'-0"



118B TOILET ROOM EAST ELEVATION 21
SCALE: 1/4" = 1'-0"

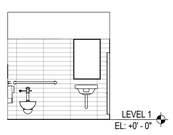


118C LOCKER RM NORTH ELEVATION 37
SCALE: 1/4" = 1'-0"

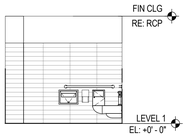


112G TOILET ROOM NORTH ELEVATION 31
SCALE: 1/4" = 1'-0"

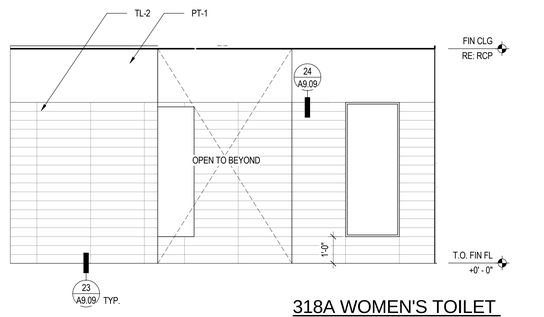
112G TOILET ROOM WEST ELEVATION 25
SCALE: 1/4" = 1'-0"



112G TOILET ROOM SOUTH ELEVATION 19
SCALE: 1/4" = 1'-0"



112G TOILET ROOM EAST ELEVATION 13
SCALE: 1/4" = 1'-0"



318A WOMEN'S TOILET NORTH ELEVATION 01
SCALE: 1/2" = 1'-0"

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

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CITY HALL
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Architect:
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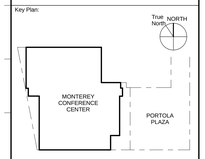
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

Consultants:

Issued For:

No.	Description:	Date:
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015
1	ADDENDUM 1	11 SEPT 2015

Key Plan:



Seal & Signature:

LICENSED ARCHITECT
CLIFTON K. BOSWELL
C-26963
MAY 3 1 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:

TOILET ROOM INTERIOR ELEVATIONS

Project No.:	215004	Sheet No.:
Drawn By:	Author	A6.09
Checked By:	Checker	
Scale:	As indicated	

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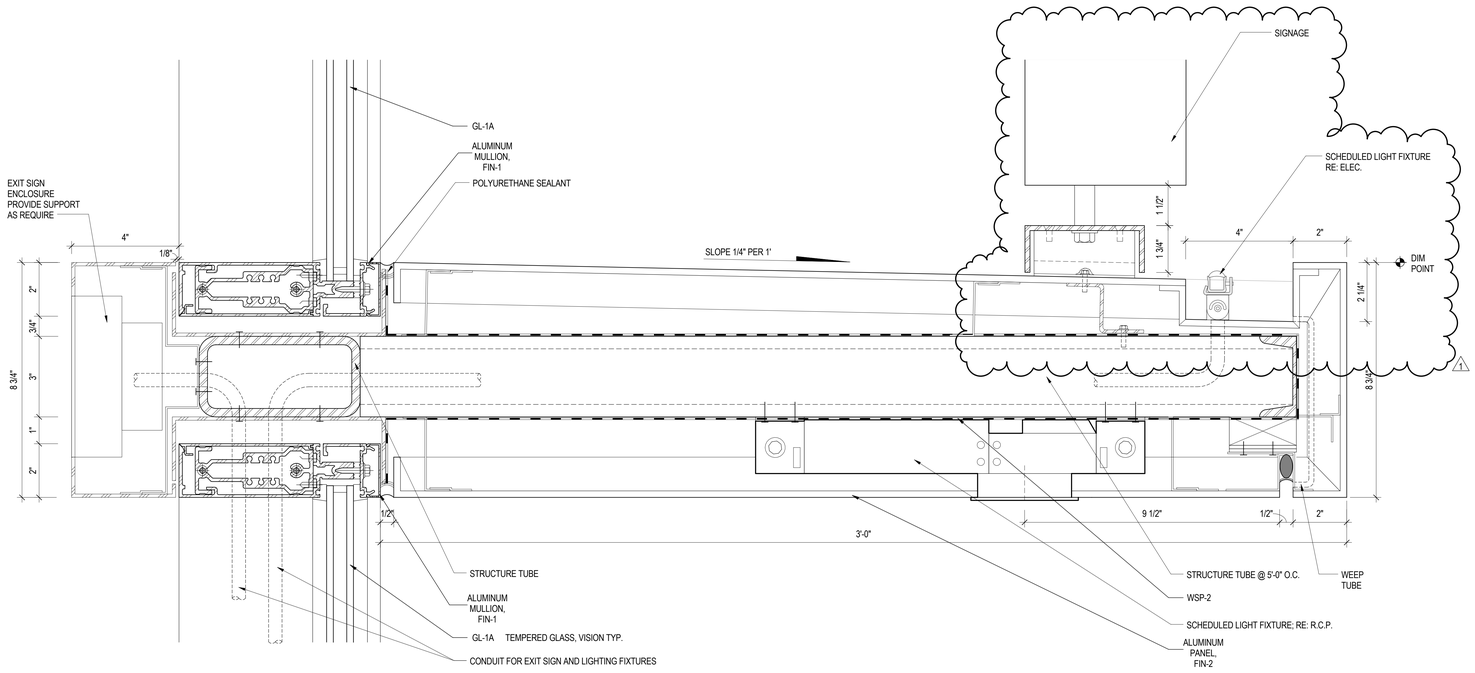
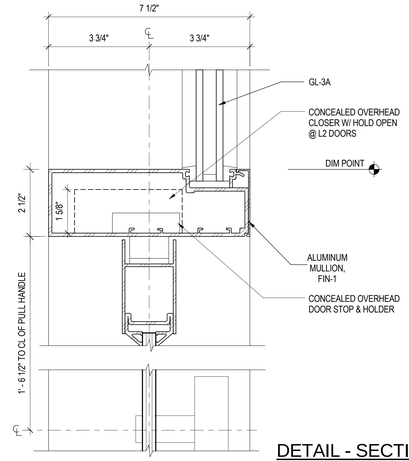
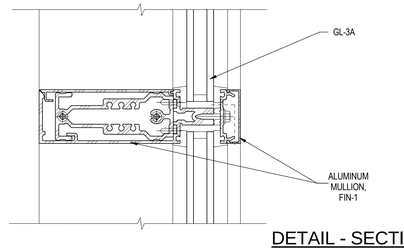
Date
Page 29



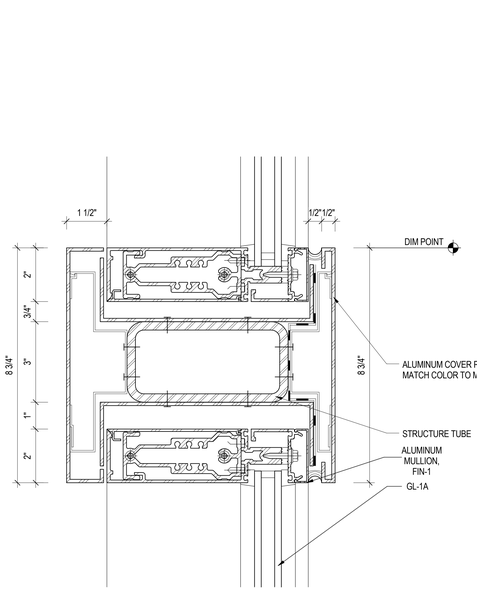
DETAIL - SECTION @ HORIZONTAL MULLION WITH SIGNAGE 16
SCALE: 6" = 1'-0"



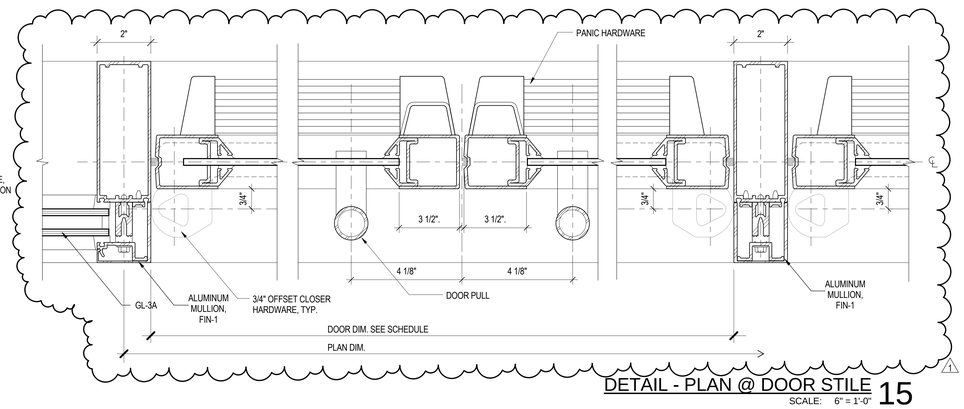
DETAIL - SECTION @ TRANSOM BAR 05
SCALE: 6" = 1'-0"



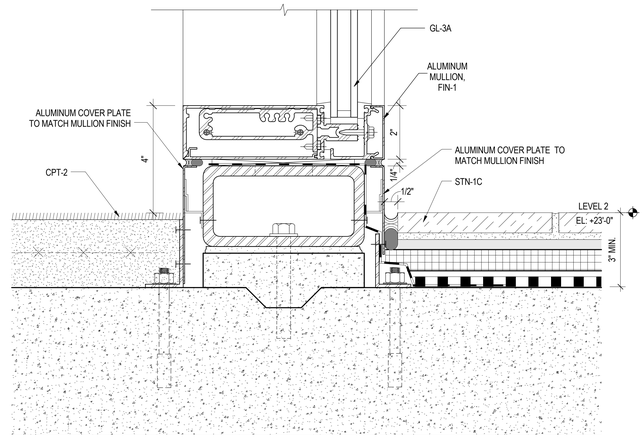
DETAIL - SECTION @ HORIZONTAL MULLION TYP 04
SCALE: 6" = 1'-0"



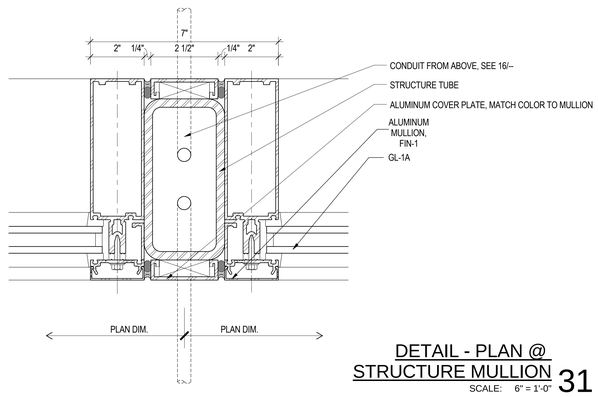
DETAIL - SECTION @ HORIZONTAL MULLION LOBBY 32
SCALE: 6" = 1'-0"



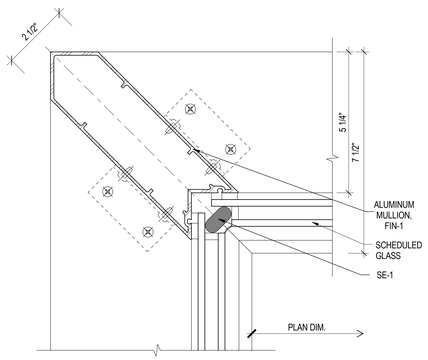
DETAIL - PLAN @ DOOR STILE 15
SCALE: 6" = 1'-0"



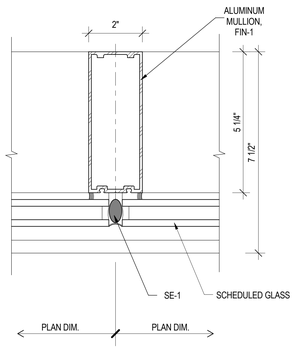
DETAIL - SECTION @ CURTAIN WALL L2 SILL 03
SCALE: 6" = 1'-0"



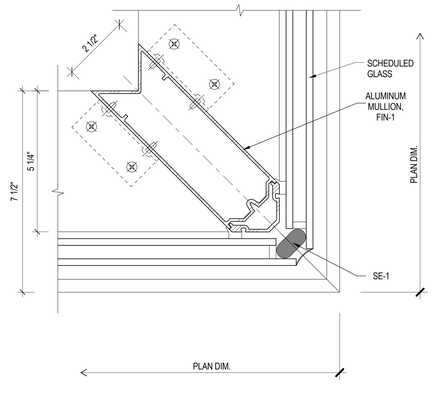
DETAIL - PLAN @ STRUCTURE MULLION 31
SCALE: 6" = 1'-0"



DETAIL - PLAN @ MULLION JOINT INTERIOR 90° CORNER 13
SCALE: 6" = 1'-0"



DETAIL - PLAN @ MULLION JOINT TYP 07
SCALE: 6" = 1'-0"



DETAIL - PLAN @ MULLION JOINT EXTERIOR 90° CORNER 01
SCALE: 6" = 1'-0"

MONTEREY CONFERENCE CENTER
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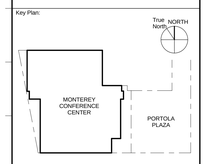
SAN FRANCISCO, CA 94111

Consultants:

Issued For:

No.	Description:	Date:
	60% PROJECT COMPLETION	15 MAY 2015
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015
1	ADDENDUM 1	11 SEPT 2015

Key Plan:



Seal & Signature:

LICENSED ARCHITECT
CLIFTON K. BOSWELL
C-26963
MAY 31 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:
EXTERIOR DETAILS

Project No.:	Sheet No.:
215004	A8.01
Drawn By: Author	
Checked By: Checker	
Scale: 6" = 1'-0"	

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Date
Item
29

ROOM & FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	WALL FINISH	FLOOR FINISH	BASE FINISH	COMMENTS
LEVEL 1					
1S3	STAIR 3	ETR	STN-1A	ETR	
1S4	STAIR 4	ETR	ETR	ETR	
1S5	STAIR 5	ETR	ETR	ETR	
1S11	STAIR 11	ETR	ETR	ETR	
1S12	STAIR 12	ETR	ETR	ETR	
101	MAIN LOBBY	PT-1	CPT-2/STN-1	WD-2	
101A	MECH				
102	CONFERENCE RM. LOBBY	PT-1	CPT-2/STN-1	WD-2	
103	VESTIBULE	TL-2	TL-1	TL-2	
103A	WOMEN'S TOILET	TL-2	TL-1	TL-2	
104	VESTIBULE	TL-2	TL-1	TL-2	
104A	MEN'S TOILET	TL-2	TL-1	TL-2	
105A	JANITOR	PT-1	TL-1	RB-1	
106	SERVICE VESTIBULE	ETR	ETR	ETR	
107	SERRA BALLROOM EAST	PT-1/FWP-1	CPT-1	WD-2	
107A	EAST HALL	PT-1	CPT-1	WD-2	
107B	MEN'S TOILET	TL-2	TL-1	TL-2	
107C	WOMEN'S TOILET	TL-2	TL-1	TL-2	
107E	JANITOR	PT-1	SF-1	RB-1	
107F	STORAGE	ETR/PT-1	ETR	ETR	
107G	TELEPHONE & ELEC EQUIP	ETR	ETR	ETR	
107H	MPOE/IDF	ETR/PT-1	ETR	ETR	
108	SERRA BALLROOM WEST	PT-1/FWP-1	CPT-1	WD-2	
108A	WEST HALL	PT-1	CPT-1	WD-2	
108B	MEN'S TOILET	TL-2	TL-1	TL-2	
108C	WOMEN'S TOILET	TL-2	TL-1	TL-2	
108E	JANITOR	PT-1	SF-1	RB-1	
108F	STORAGE	ETR/PT-1	ETR	ETR	
109	PLATFORM	ETR	ETR	ETR	
109A	SOUTH DRESS RM	ETR	ETR	ETR	
109B	TOILET	ETR	ETR	ETR	
109C	NORTH DRESS RM	ETR	ETR	ETR	
109D	TOILET	ETR	ETR	ETR	
110	DE ANZA BALLROOM	ETR	ETR	ETR	
110A	DE ANZA BALLROOM	ETR	ETR	ETR	
111	DE ANZA CONFERENCE ROOM	ETR	ETR	ETR	
112	KITCHEN	ETR	ETR	ETR	
112A	TRASH	ETR	ETR	ETR	
112B	ELEC/IDF	ETR	ETR	ETR	
112C	STORAGE	ETR	ETR	ETR	
112D	STORAGE	ETR	ETR	ETR	
112E	LINEN STORAGE	ETR	ETR	ETR	
112F	JANITOR	ETR	ETR	ETR	
112G	TOILET	TL-2	TL-1	TL-2	
112K	FREEZER	ETR	ETR	ETR	
112L	FREEZER	ETR	ETR	ETR	
112M	HALLWAY	ETR	ETR	ETR	
113	WEST VESTIBULE	ETR	ETR	ETR	
115	SERVICE HALL	ETR	ETR	ETR	
116	MECHANICAL	ETR	ETR	ETR	
117	MECHANICAL	ETR	ETR	ETR	
118A	LOUNGE	PT-1	SF-1	RB-1	
118B	TOILET	TL-2	TL-1	TL-2	
118C	LOCKER RM	PT-1	SF-1	RB-1	
118D	LOCKER RM	PT-1	SF-1	RB-1	
119	JANITOR	ETR	ETR	ETR	
120	RECEIVING OFFICE	ETR	ETR	ETR	
MEZZANINE LEVEL					
2S4	STAIR 4	ETR	ETR	ETR	
2S5	STAIR 5	ETR	ETR	ETR	
2S11	STAIR 11	ETR	ETR	ETR	
2S12	STAIR 12	ETR	ETR	ETR	
2S13	STAIR 13	ETR	ETR	ETR	
201	MEZZANINE	PT-1	CPT-2	WD-2	
202	CORRIDOR	PT-1	CPT-1/CPT-2	WD-2	
202A	ELECTRICAL	PT-1	SF-1	-	
204	MEN'S TOILET	TL-2	TL-1	TL-2	
205	WOMEN'S TOILET	TL-1	TL-1	TL-2	
206	OPEN OFFICE	PT-1	CPT-1	WD-2	
206A	OFFICE	PT-1	CPT-1	WD-2	
206B	OFFICE	PT-1	CPT-1	WD-2	
206C	OFFICE	PT-1	CPT-1	WD-2	
206D	OFFICE	PT-1	CPT-1	WD-2	
206E	PANTRY	PT-1	SF-1	WD-2	
206F	STORAGE	PT-1	SF-1	RB-1	
210	MECHANICAL	ETR	ETR	ETR	
211	ELECTRICAL	ETR	ETR	ETR	
213	VESTIBULE	ETR	ETR	ETR	
213A	SHOPS	ETR	ETR	ETR	
216	STORAGE	ETR	ETR	ETR	
216A	OFFICE	ETR	ETR	EFTR	
217	MECHANICAL	ETR	ETR	ETR	
218	MECHANICAL	ETR	ETR	ETR	
220	MECHANICAL	PT-1	CONC-1	-	
221	MECHANICAL	PT-1	CONC-1	-	
LEVEL 2					
3S3	STAIR 3	ETR	STN-1A	ETR	
3S5	STAIR 5	ETR	ETR	ETR	
300	STEVENSON 2	GL-1	CPT-1	-	
301	EAST PRE-FUNCTION	PT-1/WD-1	CPT-2/CPT-4	WD-2	
301A	ELECTRICAL				
301B	CLOSET				
302	PRE-FUNCTION NORTH	PT-1/WD-1	CPT-2/CPT-4	WD-2	
303	STEVENSON 1		CPT-1		
305	MDF	PT-1	CONC-1	-	
306	COLTON MEETING RM	PT-1	CPT-1	WD-2	
307	COLTON MEETING RM	PT-1	CPT-1	WD-2	
308	COLTON MEETING RM	PT-1	CPT-1	WD-2	
309	SERVICE	PT-1	SF-1	RB-1	
310	STEINBECK BALLROOM	PT-1/FWP-1/WD-1	CPT-3	WD-2	
311	CIRCULATION	PT-1	SF-1	RB-1	
311A	STORAGE	PT-1	SF-1	RB-1	
311B	ELECTRICAL	PT-1	SF-1	RB-1	
312	TOILET	TL-2	TL-1	TL-2	
316	JANITOR	PT-1	SF-1	RB-1	
317	HALLWAY	PT-1	SF-1	RB-1	
318	VESTIBULE	PT-1	TL-1	TL-2	
318A	WOMEN'S TOILET	TL-2	TL-1	TL-2	
319	VESTIBULE	PT-1	TL-1	TL-2	
319A	MEN'S TOILET	TL-2	TL-1	TL-2	
(E) ROOF LEVEL					
3S5	STAIR 5	ETR	ETR	ETR	

NOTES:
1. REFER TO REFLECTED CEILING PLANS A4.01.1, A4.01.2, A4.02.1, A4.02.2 AND A4.03.1 OR CEILING FINISHES.

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Consultants:

Issued For:

No.	Description:	Date:
	30% SUBMITTAL	20 FEB 2015
	60% PROJECT COMPLETION	15 MAY 2015
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
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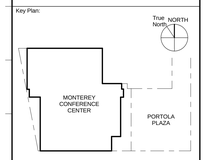
1	ADDENDUM 1	11 SEPT 2015

Key Plan:



Seal & Signature:

LICENSED ARCHITECT
CLIFTON K. BOSWELL
C-26963
MAY 31 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:

ROOM & FINISH SCHEDULE

Project No.:	215004	Sheet No.:
Drawn By:	Author	A9.02
Checked By:	Checker	
Scale:		

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Agreement #: Ag-5097 - Page 338 329

Approved as to Form CAO RISK

DOOR SCHEDULE

PHASE CREATED	DOOR NUMBER	DOOR TYPE	DOOR WIDTH	DOOR HEIGHT	DOOR MATERIAL	DOOR FINISH	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	FRAME JAMB	FRAME HEAD	FRAME SILL	FIRE RATING	HARDWARE SET	COMMENTS
EXISTING	2S12A	DE-2	6'-0"	7'-0"	WD	WD VENEER	FE-1	HM	PT-1	ETR	ETR	ETR	45	ETR	EXT, PH
EXISTING	2S13A	DE-1	3'-0"	7'-0"	HM	PT-1	FE-1	HM	PT-1	ETR	ETR	ETR	-	ETR	EXT, PH
NEW CONSTRUCTION	202A	DE-4	6'-0"	6'-8"	WD	WD VENEER	FE-1	HM	PT-1			17/A1.20	-	3	EXT, PH
NEW CONSTRUCTION	202AA	DI-2	7'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	06/A9.04	45	24	
NEW CONSTRUCTION	204AA	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	18/A9.04	-	11	
NEW CONSTRUCTION	205AA	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	18/A9.04	-	11	
NEW CONSTRUCTION	206A	DI-4	3'-6"	7'-0"	HM/GL-2A	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	05/A9.04	-	25	
NEW CONSTRUCTION	206AA	DI-4	3'-0"	7'-0"	HM/GL-2A	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	05/A9.04	-	26	
NEW CONSTRUCTION	206B	DI-4	3'-6"	7'-0"	HM/GL-2A	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	05/A9.04	-	25	
NEW CONSTRUCTION	206BA	DI-4	3'-0"	7'-0"	HM/GL-2A	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	05/A9.04	-	26	
NEW CONSTRUCTION	206CA	DI-4	3'-0"	7'-0"	HM/GL-2A	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	05/A9.04	-	26	
NEW CONSTRUCTION	206DA	DI-4	3'-0"	7'-0"	HM/GL-2A	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	05/A9.04	-	26	
NEW CONSTRUCTION	206FA	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	06/A9.04	-	27	
NEW CONSTRUCTION	211A	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	07/A9.04	45		
EXISTING	213AA	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	ETR	ETR	ETR	-	ETR	
EXISTING	213BA	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	ETR	ETR	ETR	-	ETR	
EXISTING	216A	DI-2	8'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	ETR	ETR	ETR	-	ETR	SS, Note c
EXISTING	216AA	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	ETR	ETR	ETR	-	ETR	
EXISTING	217A	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	ETR	ETR	ETR	-	ETR	
EXISTING	217B	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	ETR	ETR	ETR	-	ETR	
EXISTING	218A	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	ETR	ETR	ETR	-	ETR	
NEW CONSTRUCTION	220A	DE-1	3'-0"	6'-0"	HM	PT-1	FE-1	HM	PT-1	02/A9.04	02/A9.04	06/A9.04	-	28	AG, Note a
NEW CONSTRUCTION	221A	DE-1	3'-0"	6'-0"	HM	PT-1	FE-1	HM	PT-1	02/A9.04	02/A9.04	06/A9.04	-	28	AG, Note a, b
LEVEL 2															
EXISTING	3S5A	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	ETR	ETR	ETR	45	ETR	PH, Note d
NEW CONSTRUCTION	300B	DE-4	6'-0"	8'-0"	ALUM/GL-2A	FIN-1	CW	ALUM	FIN-1			19/A8.06	-	5	EXT, HO, PH
NEW CONSTRUCTION	301A	DE-4	6'-0"	8'-0"	ALUM/GL-2A	FIN-1	CW	ALUM	FIN-1			19/A8.06	-	5	EXT, HO, PH, M
NEW CONSTRUCTION	301AA	DI-1	6'-0"	8'-0"	WD	AWP-1	-	WD	PT-1	16/A9.12	14/A9.12	14/A9.12	-	40	
NEW CONSTRUCTION	301B	DE-4	6'-0"	8'-0"	ALUM/GL-2A	FIN-1	CW	ALUM	FIN-1			19/A8.06	-	5	EXT, HO, PH
NEW CONSTRUCTION	301BA	DI-1	6'-0"	8'-0"	WD	AWP-1	-	WD	PT-1	16/A9.12	14/A9.12	14/A9.12	-	40	
NEW CONSTRUCTION	301C	DE-4	6'-9 1/2"	8'-0"	ALUM/GL-2A	FIN-1	CW	ALUM	FIN-1			19/A8.06	-	5	EXT, HO, PH
NEW CONSTRUCTION	301D	DE-4	6'-9 1/2"	8'-0"	ALUM/GL-2A	FIN-1	CW	ALUM	FIN-1			19/A8.06	-	5	EXT, HO, PH
NEW CONSTRUCTION	302A	DE-2	5'-10 1/2"	8'-10 3/4"	GL-2A	-	FE-1	HM	PT-1				-		EXT, PH
NEW CONSTRUCTION	302B	MATCH (E)	5'-10 1/2"	8'-10 3/4"	MATCH (E)	MATCH (E)	MATCH (E)	MATCH (E)	MATCH (E)				-		EXT, PH
NEW CONSTRUCTION	303B	DE-4	6'-0"	8'-0"	ALUM/GL-2A	FIN-1	CW	ALUM	FIN-1			19/A8.06	-	5	EXT, HO, PH
NEW CONSTRUCTION	305A	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1			06/A9.04	45	17	
EXISTING	306A	DI-1	4'-0"	7'-0"	WD	WD VENEER	FI-1	HM	PT-1	ETR	ETR	ETR	-	ETR	
EXISTING	306B	DE-2	5'-10 1/2"	8'-10 3/4"	GL-2A	-	FE-1	HM	PT-1	ETR	ETR	ETR	-	ETR	EXT, PH
EXISTING	307A	DI-1	4'-0"	7'-0"	WD	WD VENEER	FI-1	HM	PT-1	ETR	ETR	ETR	-	ETR	
EXISTING	307B	DE-2	5'-10 1/2"	8'-10 3/4"	GL-2A	-	FE-1	HM	PT-1	ETR	ETR	ETR	-	ETR	EXT, PH
EXISTING	308A	DI-1	4'-0"	7'-0"	WD	WD VENEER	FI-1	HM	PT-1	ETR	ETR	ETR	-	ETR	
EXISTING	308B	DE-2	5'-10 1/2"	8'-10 3/4"	GL-2A	-	FE-1	HM	PT-1	ETR	ETR	ETR	-	ETR	EXT, PH
NEW CONSTRUCTION	309B	-	3'-6"	7'-0"	WD	SST-1	-	-	-	-	-	-	-	30	DOUBLE-SWING DOOR, Note e
NEW CONSTRUCTION	309C	-	3'-6"	7'-0"	WD	SST-1	-	-	-	-	-	-	-	30	DOUBLE-SWING DOOR, Note e
NEW CONSTRUCTION	310A	DI-2	6'-0"	8'-0"	HM	PT-1	FI-1	HM	PT-1	05/A9.12	11/A9.12	17/A9.04	-	31	AG, HO, PH
NEW CONSTRUCTION	310B	DI-2	6'-0"	8'-0"	HM	PT-1	FI-1	HM	PT-1	05/A9.12	11/A9.12	17/A9.04	-	31	AG, HO, PH
NEW CONSTRUCTION	310C	DI-2	6'-0"	8'-0"	HM	PT-1	FI-1	HM	PT-1	05/A9.12	11/A9.12	17/A9.04	-	31	AG, HO, PH
NEW CONSTRUCTION	310D	DI-2	6'-0"	8'-0"	HM	PT-1	FI-1	HM	PT-1	05/A9.12	11/A9.12	17/A9.04	-	31	AG, HO, PH
NEW CONSTRUCTION	310E	DI-2	6'-0"	8'-0"	HM	PT-1	FI-1	HM	PT-1	05/A9.12	11/A9.12	17/A9.04	-	31	AG, HO, PH
NEW CONSTRUCTION	310F	DI-2	6'-0"	8'-0"	HM	PT-1	FI-1	HM	PT-1	05/A9.12	11/A9.12	17/A9.04	-	31	AG, HO, PH
NEW CONSTRUCTION	310G	DI-2	6'-0"	8'-0"	HM	PT-1	FI-1	HM	PT-1	05,17/A9.12	11/A9.12	17/A9.04	-	31	AG, HO, PH
NEW CONSTRUCTION	310H	DE-1	3'-6"	8'-0"	HM	PT-1	FE-1	HM	PT-1			03/A1.20	-	32	EXT, HO
NEW CONSTRUCTION	310J	DE-1	6'-0"	8'-0"	HM	PT-1	FE-1	HM	PT-1			03/A1.20	-	3	EXT, HO, PH
NEW CONSTRUCTION	310K	DE-1	6'-0"	8'-0"	HM	PT-1	FE-1	HM	PT-1			03/A1.20	-	3	EXT, HO, PH
NEW CONSTRUCTION	310L	DI-2	10'-0"	12'-0"	ALUM/MDF	PT-1	-	-	-			05/A9.04	-	33	
NEW CONSTRUCTION	310M	DI-2	10'-0"	12'-0"	ALUM/MDF	PT-1	-	-	-	30/A9.13	17/A9.13	17/A9.13	-	39	
NEW CONSTRUCTION	311A	DI-5	6'-0"	7'-0"	HM/GL-2A	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	07/A9.04	-	34	HO
NEW CONSTRUCTION	311AA	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	07/A9.04	-	35	SS
NEW CONSTRUCTION	311B	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	07/A9.04	-	34	HO
NEW CONSTRUCTION	311BA	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1			07/A9.04	45	17	
NEW CONSTRUCTION	311C	DI-2	9'-0"	8'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	06/A9.04	-	36	AG, HO
NEW CONSTRUCTION	311D	DE-3	10'-6"	10'-0"	HM	FIN-1	-	HM	FIN-1			18/A1.20	-		
NEW CONSTRUCTION	312A	DI-1	2'-8"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	02/A9.04	-	18	
NEW CONSTRUCTION	316A	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	06/A9.04	-	13	
NEW CONSTRUCTION	317A	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	06/A9.04	-	37	HO
NEW CONSTRUCTION	317B	DE-2	6'-0"	7'-0"	HM	PT-1	FE-1	HM	PT-1				-		EXT
NEW CONSTRUCTION	318A	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	18/A1.20	-	15	
NEW CONSTRUCTION	319A	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	18/A1.20	-	15	
EXISTING	320A	DI-2	6'-0"	7'-0"	WD	WD VENEER	FI-1	HM	PT-1	ETR	ETR	ETR	-	ETR	HO
EXISTING	RS5A	DE-1	3'-0"	6'-0"	HM	PT-1	FE-1	HM	PT-1	ETR	ETR	ETR	-	ETR	
(E) ROOF LEVEL															
NEW CONSTRUCTION	R01A	DE-1	3'-0"	6'-0"	HM	PT-1	FE-1	HM	PT-1				-		EXT
NEW CONSTRUCTION	R01B	DE-1	3'-0"	6'-0"	HM	PT-1	FE-1	HM	PT-1				-		EXT
EXISTING	R02A	DE-6	3'-0"	6'-0"	HM	PT-1	FE-1	HM	PT-1				-		EXT

DOOR SCHEDULE

PHASE CREATED	DOOR NUMBER	DOOR TYPE	DOOR WIDTH	DOOR HEIGHT	DOOR MATERIAL	DOOR FINISH	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	FRAME JAMB	FRAME HEAD	FRAME SILL	FIRE RATING	HARDWARE SET	COMMENTS
LEVEL 1															
EXISTING	1S4A	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	ETR	ETR	ETR	-	ETR	
EXISTING	1S5A	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	ETR	ETR	ETR	90	39	PH, NOTE d
NEW CONSTRUCTION	1S11A	DI-2	5'-8"	7'-0"	HM	PT-1	FI-1	HM	PT-1	16/A9.17	16/A9.17	06/A9.04	45	10	PH, NOTE a
NEW CONSTRUCTION	1S12A	DI-2	5'-8"	7'-0"	HM	PT-1	FI-1	HM	PT-1	16/A9.17	16/A9.17	06/A9.04	45	10	PH, NOTE a
NEW CONSTRUCTION	101A	DE-4	7'-2"	7'-9"	ALUM/GL-2A	FIN-1	CW	ALUM	FIN-1	15/A8.01	05/A8.01	03/A8.06	-	1	EXT, PH, M
NEW CONSTRUCTION	101AA	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	06/A9.04	-		AG
NEW CONSTRUCTION	101B	DE-4	7'-2"	7'-9"	ALUM/GL-2A	FIN-1	CW	ALUM	FIN-1	15/A8.01	05/A8.01	03/A8.06	-	2	EXT, PH
NEW CONSTRUCTION	101C	DE-4	7'-2"	7'-9"	ALUM/GL-2A	FIN-1	CW	ALUM	FIN-1	15/A8.01	05/A8.01	03/A8.06	-	2	EXT, PH
NEW CONSTRUCTION	101D	DE-4	7'-2"	7'-9"	ALUM/GL-2A	FIN-1	CW	ALUM	FIN-1	15/A8.01	05/A8.01	03/A8.06	-	2	EXT, PH
NEW CONSTRUCTION	101E	DE-4	7'-2"	7'-9"	ALUM/GL-2A	FIN-1	CW	ALUM	FIN-1	15/A8.01	05/A8.01	03/A8.06	-	2	EXT, PH
NEW CONSTRUCTION	101F	DE-4	7'-2"	7'-9"	ALUM/GL-2A	FIN-1	CW	ALUM	FIN-1	15/A8.01	05/A8.01	03/A8.06	-	1	EXT, PH, M
NEW CONSTRUCTION	101G	DE-5	9'-9"	10'-11 1/4"	ALUM/GL-3A	FIN-1	FE-2	ALUM	FIN-1	05/A8.05	32/A8.02	31/A8.02	-	DOOR MANUF	SLIDING GLASS DOOR SYSTEM
NEW CONSTRUCTION	102A	DE-2	6'-6"	7'-0"	HM	PT-1	FE-1	HM	PT-1	16/A9.04	15/A9.04	21/A8.06 SIM	-	3	EXT, PH
NEW CONSTRUCTION	102B	DI-2	7'-6"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	17/A9.04	90	8	PH, HO
NEW CONSTRUCTION	102C	DI-2	7'-6"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	17/A9.04	90	8	PH, HO
NEW CONSTRUCTION	103A	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	04/A9.04	-	11	
NEW CONSTRUCTION	104A	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	04/A9.04	-	11	
NEW CONSTRUCTION	105G	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	18/A9.04	-	18	
NEW CONSTRUCTION	105J	DI-1	2'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	23/A9.04	-	13	
NEW CONSTRUCTION	105K	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	ETR	ETR	ETR	-	ETR	
NEW CONSTRUCTION	106A	DE-5	13'-10"	13'-10"	HM	PT-4	-	STEEL	PT-4	01,03/A8.05	31/A8.05	21/A8.06	-	38	EXT, SEE SPECIFICATION SECTION 08 37 00
EXISTING	106B	DI-6	13'-10"	13'-11"	HM	PT-1	-	STEEL	PT-1	ETR	ETR	ETR	-	ETR	
NEW CONSTRUCTION	107B	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	20,21/A9.04	22/A9.04	17/A9.04	-	6	AG, HO, PH, NOTE a, b
NEW CONSTRUCTION	107BA	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	19/A9.04	-	11	
NEW CONSTRUCTION	107C	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	20,21/A9.04	22/A9.04	17/A9.04	-	6	AG, HO, PH, NOTE a
NEW CONSTRUCTION	107CA	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	19/A9.04	-	11	
NEW CONSTRUCTION	107E	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	20,21/A9.04	22/A9.04	17/A9.04	20	6	AG, HO, PH, NOTE a
NEW CONSTRUCTION	107EA	DI-1	2'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	06/A9.04	-	13	
NEW CONSTRUCTION	107F	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	20,21/A9.04	22/A9.04	17/A9.04	20	6	AG, HO, PH, NOTE a
EXISTING	107FA	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	ETR	ETR	ETR	-	ETR	
NEW CONSTRUCTION	107FB	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	06/A9.04	45	16	
NEW CONSTRUCTION	107GA	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	07/A9.04	45	17	
NEW CONSTRUCTION	108A	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	20,21/A9.04 SIM	22/A9.04 SIM	17/A9.04	20	6	AG, HO, PH, NOTE a
NEW CONSTRUCTION	108B	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	20,21/A9.04 SIM	22/A9.04 SIM	17/A9.04	20	6	AG, HO, PH, NOTE a
NEW CONSTRUCTION	108BA	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04, 22/A9.16	02/A9.04	19/A9.04	-	11	
NEW CONSTRUCTION	108C	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	20,21/A9.04 SIM	22/A9.04 SIM	17/A9.04	20	6	AG, HO, PH, NOTE a
NEW CONSTRUCTION	108CA	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	19/A9.04	-	11	
NEW CONSTRUCTION	108D	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	20,21/A9.04 SIM	22/A9.04 SIM	17/A9.04	20	6	AG, HO, PH, NOTE a
NEW CONSTRUCTION	108EA	DI-1	2'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	06/A9.04	-	13	
EXISTING	108FA	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	ETR	ETR	ETR	-	-	SS, NOTE c
NEW CONSTRUCTION	109A	-	33'-4"	11'-6"	ALUM	FWP-1	-	STEEL	PT-1	05/A9.14	09/A9.14	28/A9.14	-	DOOR MANUF	VERTICAL BI-FOLD, MOTORIZED
EXISTING	109CA	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	ETR	ETR	ETR	-	ETR	
NEW CONSTRUCTION	109DA	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	18/A9.04	-	18	
NEW CONSTRUCTION	110A	DI-2	7'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	03/A9.04	45	6	HO, PH, NOTE a, b
NEW CONSTRUCTION	110B	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	03/A9.04	45	6	HO, PH, NOTE a, b
NEW CONSTRUCTION	110C	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	17/A9.04	20	6	AG, HO, PH, NOTE a, b
NEW CONSTRUCTION	110D	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	17/A9.04	20	6	AG, HO, PH, NOTE a, b
NEW CONSTRUCTION	110E	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	06/A9.04	90	8	HO, PH, NOTE a, b
NEW CONSTRUCTION	110F	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	06/A9.04	90	8	HO, PH, NOTE a, b
NEW CONSTRUCTION	110G	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	17/A9.04	90	8	HO, PH, NOTE a, b
NEW CONSTRUCTION	110H	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	17/A9.04	90	8	HO, PH, NOTE a, b
NEW CONSTRUCTION	110J	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	17/A9.04	90	8	HO, PH, NOTE a, b
NEW CONSTRUCTION	110K	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	17/A9.04	90	8	HO, PH, NOTE a, b
NEW CONSTRUCTION	111A	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	17/A9.04	20	6	AG, HO, PH, NOTE a, b
NEW CONSTRUCTION	111B	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	17/A9.04	20	6	AG, HO, PH, NOTE a, b
EXISTING	111C	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	ETR	ETR	ETR	-	ETR	
EXISTING	111D	DI-2	6'-0"	7'-0"	WD	WD VENEER	FI-1	HM	PT-1	ETR	ETR	ETR	-	ETR	
NEW CONSTRUCTION	111E	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	06/A9.04	90	8	HO, PH, NOTE a, b
NEW CONSTRUCTION	111F	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	06/A9.04	90	8	HO, PH, NOTE a, b
EXISTING	112A	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	ETR	ETR	ETR	-	ETR	
EXISTING	112AA	DI-1	3'-0"	7'-0"	WD	WD VENEER	FI-1	HM	PT-1	ETR	ETR	ETR	-	ETR	
NEW CONSTRUCTION	112AB	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	07/A9.04	90	19	HO
EXISTING	112B	DI-3	10'-0"	10'-0"	HM	PT-1	-	HM	FIN-1	20/A9.04	ETR	ETR	-	ETR	
EXISTING	112BA	DI-1	3'-0"	7'-0"	WD	WD VENEER	FI-1	HM	PT-1				-		
NEW CONSTRUCTION	112BA	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	07/A9.04	45	17	
EXISTING	112CA	DI-1	3'-0"	7'-0"	WD	WD VENEER	FI-1	HM	PT-1	ETR	ETR	ETR SIM	-	ETR	
NEW CONSTRUCTION	112DA	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	06/A9.04	-	17	
EXISTING	112EA	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	ETR	ETR	ETR	-	ETR	
EXISTING	112FA	DI-1	3'-0"	7'-0"	WD	WD VENEER	FI-1	HM	PT-1	ETR	ETR	ETR SIM	-	ETR	
NEW CONSTRUCTION	112GA	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	19/A9.04	-	41	
NEW CONSTRUCTION	113A	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	06/A9.04	-	20	PH
NEW CONSTRUCTION	113B	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	20,21/A9.04 SIM	22/A9.04 SIM	06/A9.04	20	9	AG, HO
NEW CONSTRUCTION	113D	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	06/A9.04	20	9	AG, HO, PH
NEW CONSTRUCTION	115A	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	07/A9.04	-	21	HO, PH
NEW CONSTRUCTION	115B	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	07/A9.04	90	22	PH
EXISTING	116A	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	ETR	ETR	ETR	-	ETR	
EXISTING	117A	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	ETR	ETR	ETR	-	ETR	
EXISTING	117B	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	ETR	ETR	ETR SIM	-	ETR	
NEW CONSTRUCTION	118AA	DI-4	3'-0"	7'-0"	HM/GL-2A	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	25/A9.04	-	25	
NEW CONSTRUCTION	118BA	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	26/A9.04	-	18	
NEW CONSTRUCTION	118CA	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	07/A9.04	-	27	
NEW CONSTRUCTION	118DA	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	07/A9.04	-	27	
EXISTING	119A	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	ETR	ETR	ETR	-	ETR	
NEW CONSTRUCTION	120A	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	07/A9.04	90	23	
MEZZANINE LEVEL															
EXISTING	2S5A	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	ETR	ETR	ETR	90	ETR	PH
EXISTING	2S11A	DE-2	6'-0"	7'-0"	WD	WD VENEER	FE-1	HM	PT-1	ETR	ETR	ETR	45	ETR	EXT, PH

GENERAL NOTES:

1. ALL DOORS ARE INTERIOR, UNLESS OTHERWISE NOTED.
2. PAINT FINISH FOR DOOR AND DOOR FRAMES TO MATCH ROOM FINISH, UON.
3. REFER TO SPECIFICATIONS FOR HARDWARE SETS.

DOOR SCHEDULE LEGEND:

AG	ACOUSTICAL GASKET
HO	HOLD OPEN
M	MOTORIZED FOR ACCESSIBILITY
PH	PANIC HARDWARE
SS	SMOKE SEAL
CW	CURTAIN WALL
ETR	EXISTING TO REMAIN

NOTES:

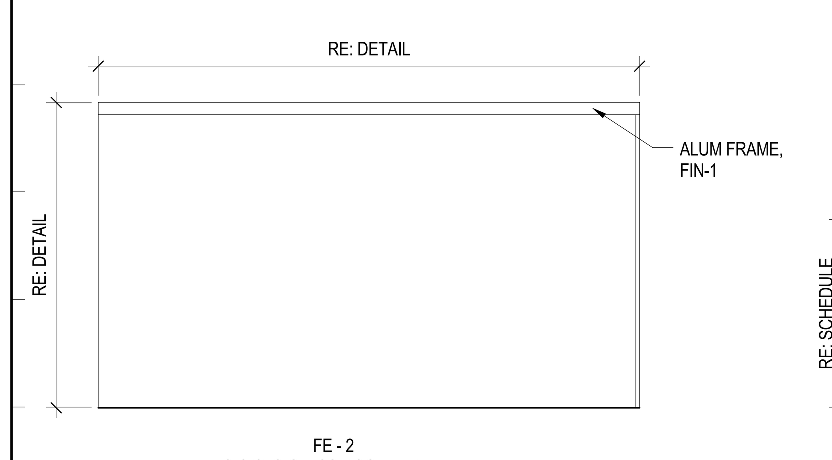
a. WHERE 2013 CBC DOES NOT REQUIRE FIRE RATING AS INDICATED IN CODE DIAGRAMS, EQUIVALENT FIRE RATING IS SCHEDULED TO MATCH EXISTING DRAWINGS.

b. VERIFY EXISTING OPENINGS. MODIFY AS REQUIRED TO INSTALL NEW DOOR. REPLICATE SURROUNDING FINISH MATERIAL. TYPICAL.

c. ADD SMOKE SEAL 8144N (ZERO)

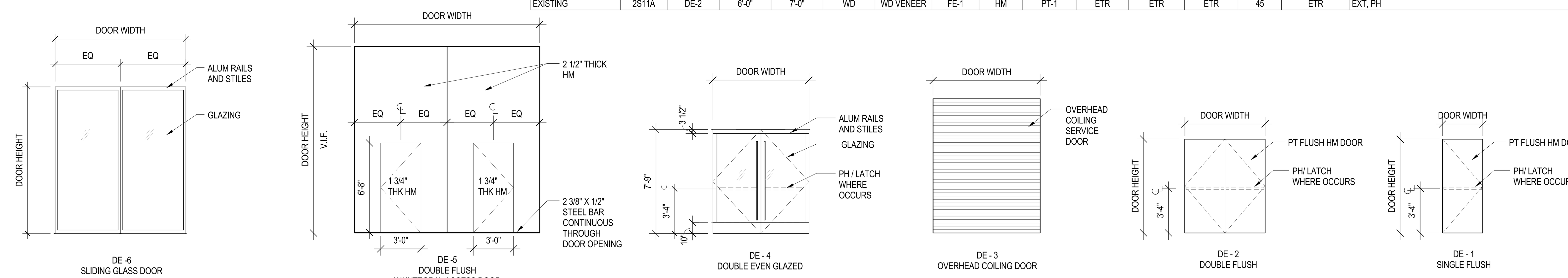
d. DOOR TO BE PROTECTED IN-PLACE OR REMOVED TO FACILITATE STAIR INSTALLATION.

e. FOR DOUBLE-SWING DOOR, SEE SPECIFICATION SECTION 08 38 00



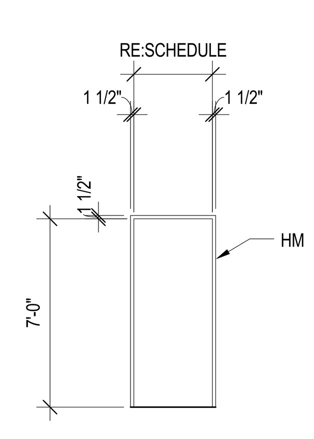
EXTERIOR FRAME TYPES 32

SCALE: 1/4" = 1'-0"



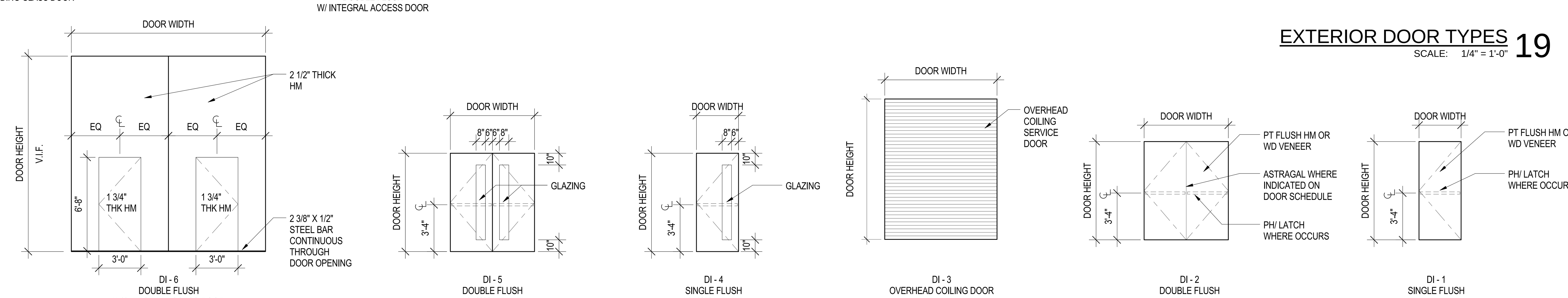
EXTERIOR DOOR TYPES 19

SCALE: 1/4" = 1'-0"



INTERIOR FRAME TYPES 31

SCALE: 1/4" = 1'-0"



INTERIOR DOOR TYPES 01

SCALE: 1/4" = 1'-0"

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL

580 PACIFIC STREET, MONTEREY, CA 93940
TEL: (831) 646-5601

Architect:

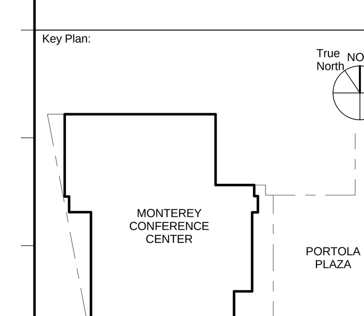
SOM
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

Consultants:

Issued For:

No.:	Description:	Date:
	30% SUBMITTAL	20 FEB 2015
	60% PROJECT COMPLETION	15 MAY 2015
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015
1	ADDENDUM 1	11 SEPT 2015

Key Plan:



Seal & Signature:

Sheet Name:

DOOR SCHEDULE

Project No.:	215004
Drawn By:	Author
Checked By:	Checker
Scale:	As indicated
Sheet No.:	A9.03

9/9/2015 11:59:58 AM

Agreement #: Ag-5097 - Page 338 of 529
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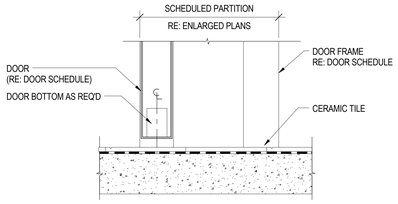
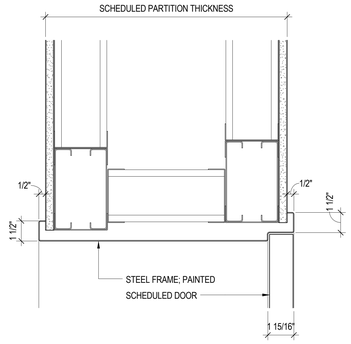
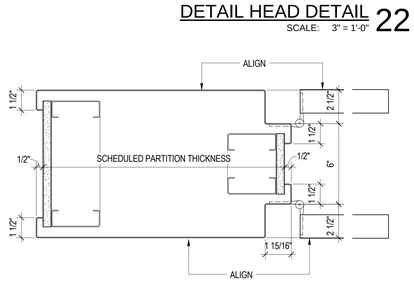
Date
Date



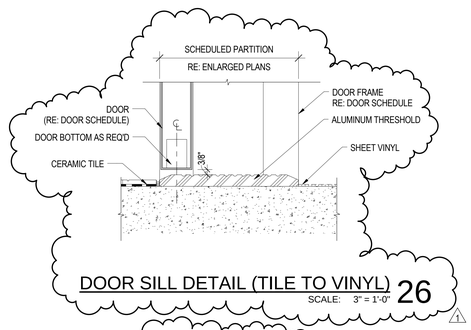
SILL SECTION DETAIL(TILE TO TILE) 23
SCALE: 3" = 1'-0"



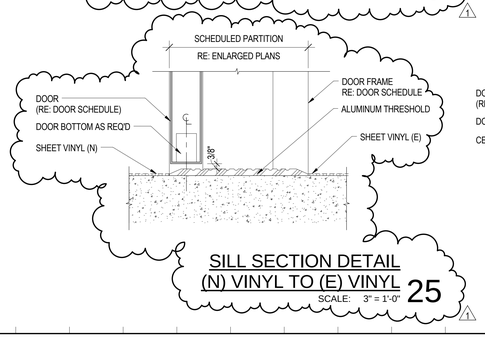
DETAIL HEAD DETAIL 22
SCALE: 3" = 1'-0"



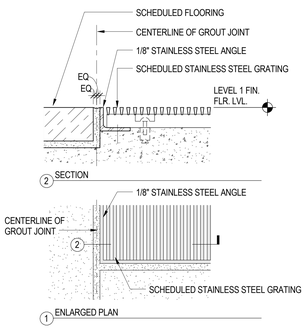
MEETING JAMB DETAIL 21
SCALE: 3" = 1'-0"



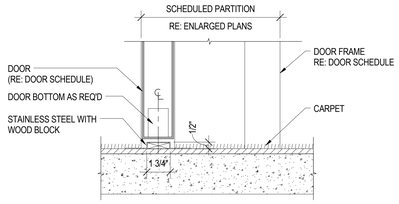
DOOR SILL DETAIL (TILE TO VINYL) 26
SCALE: 3" = 1'-0"



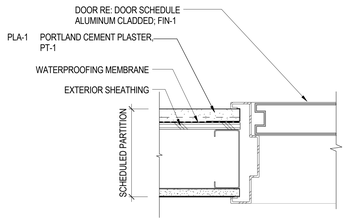
SILL SECTION DETAIL
(N) VINYL TO (E) VINYL 25
SCALE: 3" = 1'-0"



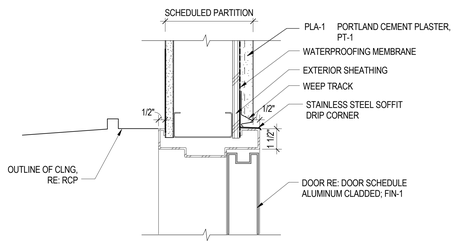
FLOOR GRATING DETAIL 18
SCALE: 6" = 1'-0"



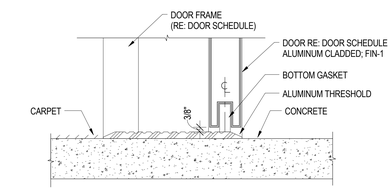
SILL SECTION DETAIL
(CARPET TO CARPET) 17
SCALE: 3" = 1'-0"



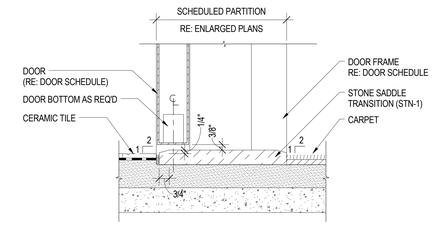
DOOR JAMB SECTION DETAIL 16
SCALE: 3" = 1'-0"



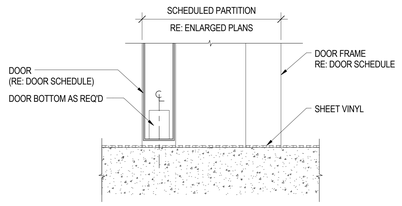
DOOR HEAD SECTION DETAIL 15
SCALE: 3" = 1'-0"



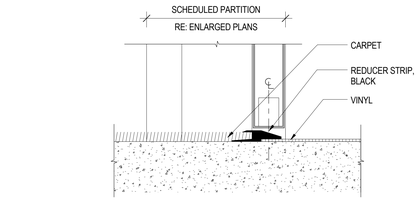
HM EXTERIOR DOOR SILL SECTION DETAIL 14
SCALE: 3" = 1'-0"



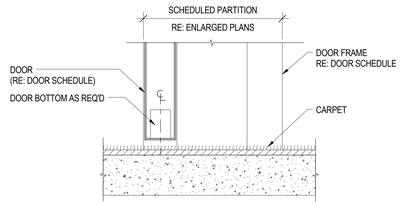
SILL SECTION DETAIL
(TILE TO CARPET) 19
SCALE: 3" = 1'-0"



SILL SECTION DETAIL (VINYL TO VINYL) 07
SCALE: 3" = 1'-0"



FLOOR TRANSITION SECTION DETAIL
(CARPET TO VINYL) 06
SCALE: 3" = 1'-0"



SILL SECTION DETAIL
(CARPET TO CARPET) 05
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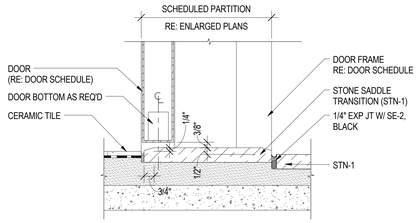
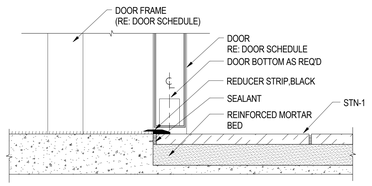


SILL SECTION DETAIL
(TILE TO STONE) 04
SCALE: 3" = 1'-0"



DOOR SILL SECTION DETAIL
(CARPET TO STONE) 03
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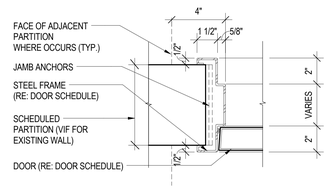
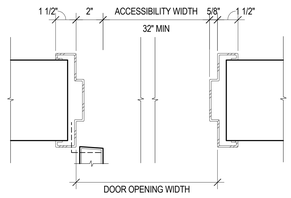


JAMB PLAN DETAIL @
DOUBLE RABBETED FRAME (HEAD SIM.) 02
SCALE: 3" = 1'-0"



TYPICAL DOOR EXIT WIDTH 01
SCALE: 3" = 1'-0"

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

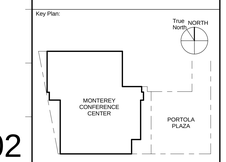
CITY OF MONTEREY
CITY HALL
580 PACIFIC STREET, MONTEREY, CA 93940
TEL: (831) 646-5601

Architect:
SOM
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

Consultants:

Issued For:

No.	Description:	Date:
	60% PROJECT COMPLETION	15 MAY 2015
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015
1	ADDENDUM 1	11 SEPT 2015

Key Plan:


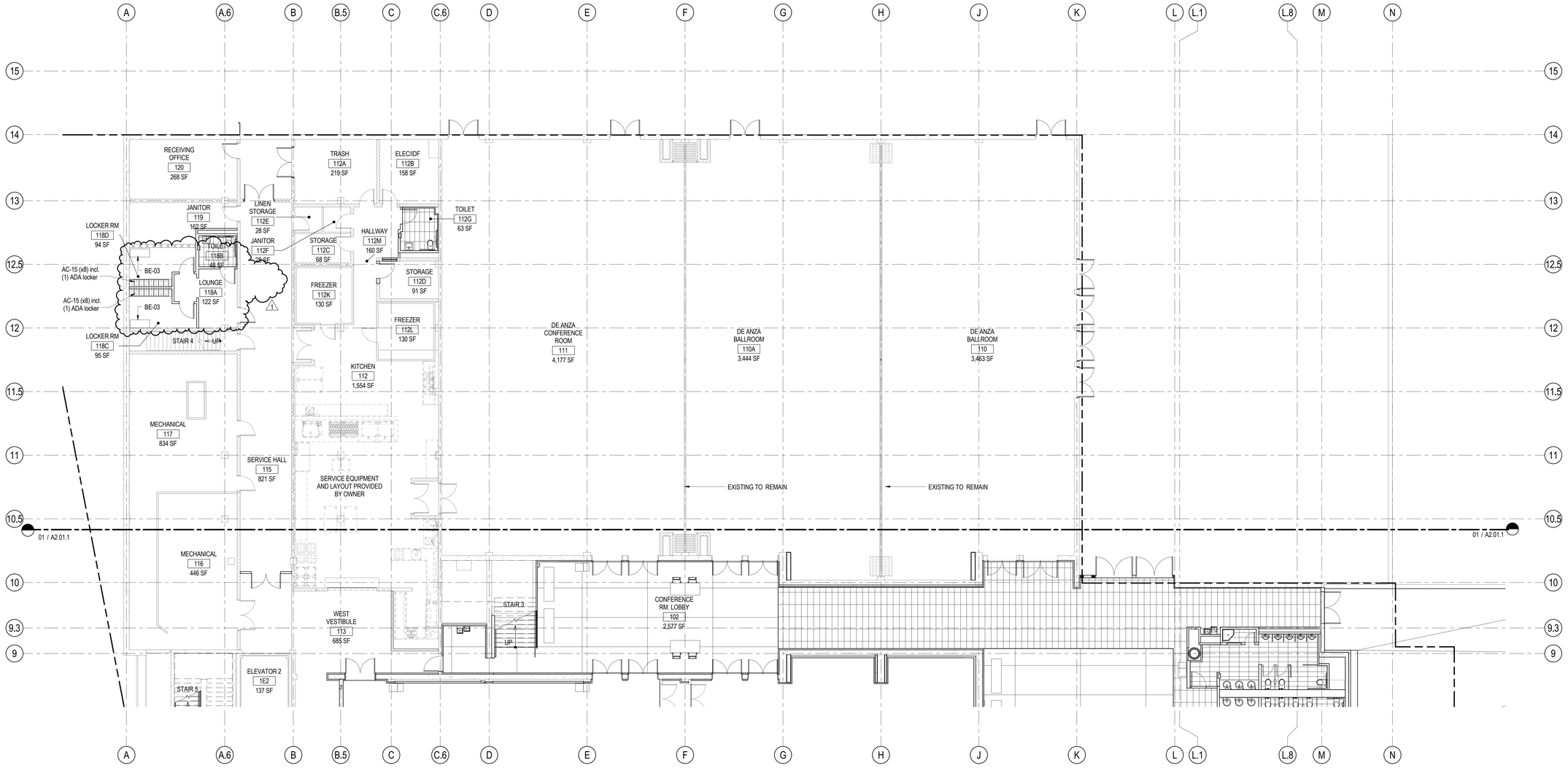
Seal & Signature:
LICENSED ARCHITECT
CLIFTON K. BOSWELL
C-26963
MAY 3 1 2017
RENEWAL
DATE
STATE OF CALIFORNIA

Sheet Name:
DOOR JAMB &
SILL DETAILS

Project No.: 215004
Drawn By: Author
Checked By: Checker
Scale: As indicated
Sheet No.: A9.04

9/8/2015 10:30:13 PM

Agreement #: Ag-5097 - Page 338 of 529
Approved as to Form
CAO
DEPT



ENLARGED FURNITURE FLOOR PLAN - LEVEL 1 - NORTH 01
SCALE: 1/8" = 1'-0"

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

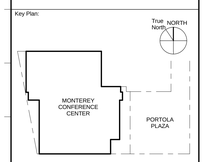
CITY OF MONTEREY
CITY HALL
580 PACIFIC STREET, MONTEREY, CA 93940
TEL: (831) 646-5601

Architect:
SOM
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

Consultants:

Issued For:

No.	Description:	Date:
1	ADDENDUM 1	11 SEPT 2015

Key Plan:


Seal & Signature:
LICENSED ARCHITECT
CLIFTON K. BOSWELL
C-26963
MAY 3 1 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:
ENLARGED FURNITURE PLAN - LEVEL 1 NORTH

Project No.:	215004	Sheet No.:
Drawn By:	Author	I3.01.2
Checked By:	Checker	
Scale:	1/8" = 1'-0"	

9/8/2015 10:30:49 PM

Agreement #: Ag-5097 - Page 338
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City
Date
1 2 9

MONTEREY CONFERENCE CENTER
MONTEREY, CALIFORNIA

ADDENDUM 1 SEPTEMBER 11, 2015

VOLUME 2:
MECHANICAL / ELECTRICAL / PLUMBING / FIRE PROTECTION / AV / TELECOM / GRAPHICS

ASSESSOR PARCEL NUMBER: 001-576-016 1

ARCHITECT / STRUCTURAL ENGINEER / GRAPHICS:

SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

CIVIL:

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1650 TECHNOLOGY DRIVE, SUITE 650
SAN JOSE, CA 95110
(408) 467-9141

LANDSCAPE:

GLS LANDSCAPE ARCHITECTURE
2677 MISSION STREET, NO. 200
SAN FRANCISCO, CA 94110
(415) 285-3614

MEP:

WSP FLACK + KURTZ
405 HOWARD STREET, SUITE 500
SAN FRANCISCO, CA 94105
(415) 398-3833

ACOUSTIC, AV, TECH:

SHEN, MILSOM & WILKE, LLC
33 NEW MONTGOMERY STREET
SAN FRANCISCO, CA 94105
(415) 391-7610

LIGHTING:

HORTON LEES BROGDEN
300 BRANNAN STREET, SUITE 212
SAN FRANCISCO, CA 94107
(415) 348-8273

CONVEYANCE:

EDGETT WILLIAMS CONSULTING GROUP
102 EAST BLITHEDALE AVENUE, SUITE 1
MILL VALLEY, CA 94941
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ESTIMATING:

CUMMING CORPORATION
475 SAMSOME STREET, SUITE 520
SAN FRANCISCO, CA 94111
(415) 748-3093

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Date
Page 329

VOLUME 2

SHEET #	SHEET NAME	PRELIMINARY DESIGN 15% PRICING ISSUE - 05 DEC 2014	ISSUED FOR PLANNING & A.R.C. REVIEW - 16 DEC 2014	30% SUBMITTAL - 20 FEB 2015	60% PROJECT COMPLETION - 15 MAY 2015	PERMIT SET - 15 JUNE 2015	90% PROJECT COMPLETION - 28 JULY 2015	PORTOLA PLAZA PERMIT SET - 03 AUG 2015	BID SET - 26 AUG 2015	ADDENDUM 1 - 11 SEPT 2015
GENERAL										
A0.00.V2	COVER SHEET	●	●	●	●	●	●	●	●	●
A0.01.V2	DRAWING LIST	●	●	●	●	●	●	●	●	●
MECHANICAL										
M0.01	MECHANICAL LEGEND, ABBREVIATIONS AND DRAWING LIST				●	●	●		●	
M0.02	MECHANICAL SCHEDULES				●	●	●		●	
M0.03	MECHANICAL SCHEDULES				●	●	●		●	
M0.04	MECHANICAL TITLE 24 COMPLIANCE FORMS						●		●	
M0.05	MECHANICAL TITLE 24 COMPLIANCE FORMS						●		●	
M0.06	MECHANICAL TITLE 24 COMPLIANCE FORMS						●		●	
M0.07	MECHANICAL TITLE 24 COMPLIANCE FORMS						●		●	
M0.08	MECHANICAL TITLE 24 COMPLIANCE FORMS						●		●	
M0.09	MECHANICAL TITLE 24 COMPLIANCE FORMS						●		●	
M0.10	MECHANICAL TITLE 24 COMPLIANCE FORMS						●		●	
M2.01.1	MECHANICAL LEVEL 1 DEMOLITION PLAN – SOUTH				●	●	●		●	
M2.01.2	MECHANICAL LEVEL 1 DEMOLITION PLAN - NORTH				●	●	●		●	
M2.02.1	MECHANICAL MEZZANINE LEVEL DEMOLITION PLAN - SOUTH				●	●	●		●	
M2.02.2	MECHANICAL MEZZANINE LEVEL DEMOLITION PLAN – NORTH				●	●	●		●	
M2.2.03	MECHANICAL LEVEL 2 DEMOLITION PLAN				●	●	●		●	
M2.2.04	MECHANICAL ROOF DEMOLITION PLAN				●	●	●		●	
M4.0.01	MECHANICAL CHILLED WATER AND CONDENSER WATER PIPING DEMO DIAGRAM						●		●	
M4.0.02	MECHANICAL HOT WATER PIPING DEMO DIAGRAM						●		●	
M2.01.1	MECHANICAL LEVEL 1 PLAN – SOUTH				●	●	●		●	
M2.01.2	MECHANICAL LEVEL 1 PLAN - NORTH				●	●	●		●	
M2.02.1	MECHANICAL MEZZANINE LEVEL PLAN – SOUTH				●	●	●		●	
M2.02.2	MECHANICAL MEZZANINE LEVEL PLAN - NORTH				●	●	●		●	
M2.03	MECHANICAL LEVEL 2 PLAN				●	●	●		●	
M2.04	MECHANICAL ROOF PLAN				●	●	●		●	
M3.01	MECHANICAL SECTIONS LEVEL 1 & MEZZANINE						●		●	
M3.02	MECHANICAL SECTIONS LEVEL MEZZANINE & 2						●		●	
M4.01	MECHANICAL CHILLED WATER AND CONDENSER WATER PIPING DIAGRAM				●	●	●		●	
M4.02	MECHANICAL HOT WATER PIPING DIAGRAM				●	●	●		●	
M5.01	MECHANICAL DETAILS						●		●	
ELECTRICAL										
E0.01	ELECTRICAL LEGEND AND ABBREVIATIONS				●	●	●		●	●
E0.02	ELECTRICAL SCHEDULES				●	●	●		●	
E0.03	ELECTRICAL SCHEDULES				●	●	●		●	
E0.04	ELECTRICAL SCHEDULES				●	●	●		●	●
E0.05	ELECTRICAL SCHEDULES						●		●	●
E0.06	ELECTRICAL SCHEDULES						●		●	●
E0.10	ELECTRICAL TITLE 24 CALCULATIONS						●		●	
E0.11	ELECTRICAL TITLE 24 CALCULATIONS						●		●	
E0.12	ELECTRICAL TITLE 24 CALCULATIONS						●		●	
E0.13	ELECTRICAL TITLE 24 CALCULATIONS								●	
E0.14	ELECTRICAL TITLE 24 CALCULATIONS								●	
E0.15	ELECTRICAL TITLE 24 CALCULATIONS								●	
ED2.01	ELECTRICAL DEMOLITION PLAN - LEVEL 01				●	●	●		●	●
ED2.02	ELECTRICAL DEMOLITION PLAN - MEZZANINE LEVEL				●	●	●		●	●
ED2.03	ELECTRICAL DEMOLITION PLAN - LEVEL 02				●	●	●		●	
ED2.04	ELECTRICAL DEMOLITION PLAN AUDITORIUM UPPER LEVEL				●	●	●		●	
ED2.05	ELECTRICAL DEMOLITION PLAN - ROOF LEVEL				●	●	●		●	
E1.01	ELECTRICAL SITE PLAN				●		●	●	●	●
E2.01.1	ELECTRICAL - POWER PLAN - LEVEL 01 - SOUTH				●	●	●		●	●
E2.01.2	ELECTRICAL - POWER PLAN - LEVEL 01 - NORTH				●	●	●		●	
E2.02.1	ELECTRICAL - POWER PLAN - MEZZANINE LEVEL - SOUTH				●	●	●		●	●
E2.02.2	ELECTRICAL - POWER PLAN - MEZZANINE LEVEL - NORTH				●	●	●		●	
E2.03.1	ELECTRICAL - POWER PLAN - LEVEL 2 - SOUTH				●	●	●		●	●
E2.03.2	ELECTRICAL - POWER PLAN - LEVEL 2 - NORTH				●	●	●		●	
E2.04.1	ELECTRICAL - POWER PLAN - ROOF LEVEL - SOUTH				●	●	●		●	●
E3.01	ELECTRICAL ENLARGED PLANS				●	●	●		●	●
E3.02	ELECTRICAL ENLARGED PLANS				●	●	●		●	
E4.01	ELECTRICAL - LIGHTING PLAN - LEVEL 01						●		●	
E4.01.1	ELECTRICAL - LIGHTING PLAN - LEVEL 01 - SOUTH				●	●	●		●	●
E4.01.2	ELECTRICAL - LIGHTING PLAN - LEVEL 01 - NORTH				●				●	
E4.02	ELECTRICAL - LIGHTING PLAN - MEZZANINE LEVEL						●		●	
E4.02.1	ELECTRICAL - LIGHTING PLAN - MEZZANINE LEVEL - SOUTH				●	●	●		●	●
E4.02.2	ELECTRICAL - LIGHTING PLAN - MEZZANINE LEVEL - NORTH				●		●		●	
E4.03	ELECTRICAL - LIGHTING PLAN - LEVEL 2				●		●		●	
E4.03.1	ELECTRICAL - LIGHTING PLAN - LEVEL 2 - SOUTH				●		●		●	
E5.01	ELECTRICAL RISER DIAGRAM EXISTING				●	●	●		●	
E5.02	ELECTRICAL RISER DIAGRAM				●	●	●		●	●
E5.03	ELECTRICAL FIRE ALARM RISER DIAGRAM				●	●	●		●	
E5.04	ELECTRICAL LIGHTING CONTROL RISER DIAGRAM						●		●	●
E6.01	ELECTRICAL DETAILS				●	●	●		●	
E6.02	ELECTRICAL DETAILS					●	●		●	
PLUMBING										
P0.01	PLUMBING LEGENDS & ABBREVIATIONS				●	●	●		●	
P0.02	PLUMBING SCHEDULES				●	●	●		●	
PD2.01U.1	PLUMBING UNDERGROUND DEMOLITION PLAN - SOUTH					●	●		●	
PD2.01U.2	PLUMBING UNDERGROUND DEMOLITION PLAN - NORTH					●	●		●	
PD2.01.1	PLUMBING LEVEL 01 DEMOLITION PLAN - SOUTH					●	●		●	
PD2.01.2	PLUMBING LEVEL 01 DEMOLITION PLAN - NORTH					●	●		●	
PD2.02.1	PLUMBING MEZZANINE LEVEL DEMOLITION PLAN - SOUTH					●	●		●	
PD2.02.2	PLUMBING MEZZANINE LEVEL DEMOLITION PLAN - NORTH					●	●		●	
PD2.03.1	PLUMBING LEVEL 02 DEMOLITION PLAN - SOUTH					●	●		●	
PD2.03.2	PLUMBING LEVEL 02 DEMOLITION PLAN - NORTH					●	●		●	
PD2.04	PLUMBING ROOF LEVEL DEMOLITION PLAN					●	●		●	
P2.01U.1	PLUMBING PLAN - UNDERGROUND - SOUTH				●	●	●		●	
P2.01U.2	PLUMBING PLAN - UNDERGROUND - NORTH				●	●	●		●	
P2.01.1	PLUMBING PLAN - LEVEL 01 - SOUTH				●	●	●		●	
P2.01.2	PLUMBING PLAN - LEVEL 01 - NORTH				●	●	●		●	
P2.02.1	PLUMBING PLAN - MEZZANINE LEVEL - SOUTH				●	●	●		●	
P2.02.2	PLUMBING PLAN - MEZZANINE LEVEL - NORTH				●	●	●		●	
P2.03.1	PLUMBING PLAN - LEVEL 02 - SOUTH				●	●	●		●	
P2.03.2	PLUMBING PLAN - LEVEL 02 - NORTH				●	●	●		●	
P2.04	PLUMBING PLAN - ROOF LEVEL				●	●	●		●	
P3.01	PLUMBING STEINBECK CATERING ENLARGED PLAN				●	●	●		●	
P3.02	PLUMBING ENLARGED PLANS					●	●		●	
P5.01	PLUMBING DETAILS					●	●		●	
P5.02	PLUMBING DETAILS					●	●		●	
FIRE PROTECTION										
FP0.01	FIRE PROTECTION LEGENDS & ABBREVIATIONS						●		●	
FPD2.01.1	FIRE PROTECTION LEVEL 01 DEMOLITION PLAN - SOUTH					●	●		●	
FPD2.01.2	FIRE PROTECTION LEVEL 01 DEMOLITION PLAN - NORTH					●	●		●	
FPD2.02.1	FIRE PROTECTION MEZZANINE LEVEL DEMO PLAN - SOUTH					●	●		●	
FPD2.02.2	FIRE PROTECTION MEZZANINE LEVEL DEMO PLAN - NORTH					●	●		●	
FPD2.03.1	FIRE PROTECTION LEVEL 02 DEMOLITION PLAN - SOUTH					●	●		●	
FPD2.03.2	FIRE PROTECTION LEVEL 02 DEMOLITION PLAN - NORTH					●	●		●	
FP2.01.1	FIRE PROTECTION PLAN - LEVEL 01 - SOUTH					●	●		●	
FP2.01.2	FIRE PROTECTION PLAN - LEVEL 01 - NORTH					●	●		●	
FP2.02.1	FIRE PROTECTION PLAN - MEZZANINE LEVEL - SOUTH					●	●		●	
FP2.02.2	FIRE PROTECTION PLAN - MEZZANINE LEVEL - NORTH					●	●		●	
FP2.03.1	FIRE PROTECTION PLAN - LEVEL 02 - SOUTH					●	●		●	

VOLUME 2

SHEET #	SHEET NAME	PRELIMINARY DESIGN 15% PRICING ISSUE - 05 DEC 2014	ISSUED FOR PLANNING & A.R.C. REVIEW - 16 DEC 2014	30% SUBMITTAL - 20 FEB 2015	60% PROJECT COMPLETION - 15 MAY 2015	PERMIT SET - 15 JUNE 2015	90% PROJECT COMPLETION - 28 JULY 2015	PORTOLA PLAZA PERMIT SET - 03 AUG 2015	BID SET - 26 AUG 2015	ADDENDUM 1 - 11 SEPT 2015
AV										
TA0.00	AV SYSTEMS - GENERAL NOTES, ABBREVIATIONS, SYMBOLS AND DRAWING LIST					●	●		●	
TA2.01	AV SYSTEMS - FLOOR PLAN - LEVEL 1					●	●		●	
TA2.02	AV SYSTEMS - FLOOR PLAN - MEZZANINE LEVEL					●	●		●	
TA2.03	AV SYSTEMS - FLOOR PLAN - LEVEL 2					●	●		●	
TA3.10	AV SYSTEMS - SERRA BALLROOM 108 ENLARGED PLAN					●	●		●	●
TA3.11	AV SYSTEMS - SERRA BALLROOM 108 ENLARGED PLAN					●	●		●	●
TA3.12	AV SYSTEMS - SERRA BALLROOM 108 ENLARGED RCP (LEVEL 1)					●	●		●	●
TA3.13	AV SYSTEMS - SERRA BALLROOM 108 ENLARGED RCP (MEZZANINE)					●	●		●	●
TA3.14	AV SYSTEMS - LEVEL 1 TOILETS ENLARGED RCP					●	●		●	
TA3.20	AV SYSTEMS - MEZZANINE 201 ENLARGED PLANS					●	●		●	
TA3.21	AV SYSTEMS - MEZZANINE 201 ENLARGED PLANS					●	●		●	
TA3.30	AV SYSTEMS - STEINBECK BALLROOM 310 ENLARGED PLAN					●	●		●	●
TA3.31	AV SYSTEMS - STEINBECK BALLROOM 310 ENLARGED RCP					●	●		●	●
TA3.32	AV SYSTEMS - STEINBECK BALLROOM 310 ENLARGED PLAN					●	●		●	●
TA3.33	AV SYSTEMS - STEINBECK BALLROOM 310 ENLARGED RCP					●	●		●	
TA5.00	AV SYSTEMS - DETAILS						●		●	
TA6.00	AV SYSTEMS - FUNCTIONAL DIAGRAM						●		●	
TA6.01	AV SYSTEMS - FUNCTIONAL DIAGRAM						●		●	●
TA6.02	AV SYSTEMS - FUNCTIONAL DIAGRAM						●		●	●
TA6.03	AV SYSTEMS - FUNCTIONAL DIAGRAM						●		●	
TA6.04	AV SYSTEMS - FUNCTIONAL DIAGRAM						●		●	
TA6.05	AV SYSTEMS - FUNCTIONAL DIAGRAM						●		●	
TELECOM										
TT0.00	TELECOM - GENERAL NOTES, ABBREVIATIONS, SYMBOLS AND DRAWING LIST					●	●	●	●	●
TT2.01	TELECOM - FLOOR PLAN - LEVEL 1					●	●	●	●	●
TT2.02	TELECOM - FLOOR PLAN - MEZZANINE LEVEL					●	●	●	●	●
TT2.03	TELECOM - FLOOR PLAN - LEVEL 2					●	●	●	●	●
TT2.04	TELECOM - FLOOR PLAN - ROOF LEVEL					●	●	●	●	
TT3.01	TELECOM - REFLECTED CEILING PLAN - LEVEL 1						●	●	●	
TT3.02	TELECOM - REFLECTED CEILING PLAN - MEZZANINE LEVEL						●	●	●	
TT3.03	TELECOM - REFLECTED CEILING PLAN - LEVEL 2						●	●	●	
TT4.10	TELECOM - MPOE / IDF ROOM 107H ENLARGED PLANS AND ELEVATIONS						●	●	●	
TT4.11	TELECOM - IDF ROOM 112B ENLARGED PLANS AND ELEVATIONS						●	●	●	
TT4.20	TELECOM - MDF ROOM 305 ENLARGED PLANS AND ELEVATIONS						●	●	●	
TT5.00	TELECOM - RISER DIAGRAM					●	●	●	●	
TT5.01	TELECOM - BONDING AND GROUNDING RISER DIAGRAM					●	●	●	●	
TT6.00	TELECOM - DETAILS					●	●	●	●	
TT6.01	TELECOM - DETAILS					●	●	●	●	
TT6.02	TELECOM - DETAILS					●	●	●	●	
TT6.03	TELECOM DETAILS									●
TT7.00	TELECOM - RACK ELEVATION						●		●	
TT7.01	TELECOM - RACK ELEVATION						●		●	
TT7.02	TELECOM - RACK ELEVATION						●		●	
TT7.03	TELECOM - RACK ELEVATION						●		●	
GRAPHICS										
GR0.0.1	GENERAL NOTES									●
GR0.0.2	GRAPHIC ELEMENTS									●
GR1.01	SITE SIGN PLAN									●
GR2.01.1	ENLARGED SIGN PLAN - LEVEL 1 - SOUTH									●
GR2.01.2	ENLARGED SIGN PLAN - LEVEL 1 - NORTH									●
GR2.02.1	ENLARGED SIGN PLAN - MEZZANINE LEVEL - SOUTH									●
GR2.02.2	ENLARGED SIGN PLAN - MEZZANINE LEVEL - NORTH									●
GR2.03.1	ENLARGED SIGN PLAN - LEVEL 2 - SOUTH									●
GR5.01	SIGNAGE EXTERIOR ELEVATIONS									●
GR6.01	SIGNAGE INTERIOR ELEVATIONS									●
GR6.20	SIGNAGE INTERIOR ELEVATIONS									●
GR8.01	SIGNAGE EXTERIOR DETAIL									●
GR8.02	SIGNAGE EXTERIOR DETAIL									●
GR8.03	SIGNAGE EXTERIOR DETAIL									●
GR9.01	SIGNAGE INTERIOR DETAIL									●
GR9.02	SIGNAGE INTERIOR DETAIL									●
GR9.03	SIGNAGE INTERIOR DETAIL									●
GR9.20	SIGNAGE INTERIOR DETAIL									●
GR9.21	SIGNAGE INTERIOR DETAIL									●
GR9.22	SIGNAGE INTERIOR DETAIL									●

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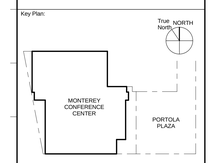
Key Plan:



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ELECTRICAL LEGEND AND ABBREVIATIONS

FLOOR BOX LEGEND

POKE THROUGH PEDESTAL	
	COMBINATION DUPLEX RECEPTACLE/TELECOM OUTLET: 125V
	COMBINATION DOUBLE DUPLEX RECEPTACLE/ TELECOM OUTLET: 125V
	TELECOM OUTLET
	POWER CONNECTION TO ELECTRIFIED FURNITURE SYSTEM
	TELECOM CONNECTION TO ELECTRIFIED FURNITURE SYSTEM
POKE THROUGH FLUSH	
	COMBINATION DOUBLE DUPLEX RECEPTACLE/TELECOM OUTLET: 125V
	COMBINATION DUPLEX RECEPTACLE/TELECOM OUTLET: 125V
	POWER CONNECTION TO ELECTRIFIED FURNITURE SYSTEM
	MULTI-SERVICE FLOOR BOX WITH DEVICES AS INDICATED ON PLANS.
	TELECOM CONNECTION TO ELECTRIFIED FURNITURE SYSTEM
	TELECOM OUTLET
RECESSED FLUSH	
	SINGLE RECEPTACLE OUTLET: 125V
	DUPLEX RECEPTACLE OUTLET: 125V
	DUPLEX RECEPTACLE OUTLET: 125V, DEDICATED
	DOUBLE DUPLEX RECEPTACLE OUTLET: 125V
	COMBINATION DUPLEX RECEPTACLE/TELECOM OUTLET: 125V
	COMBINATION DOUBLE DUPLEX RECEPTACLE/TELECOM OUTLET: 125V
	TELECOM OUTLET
	RAISED FLOOR ACCESS BOX, COMBINATION DOUBLE DUPLEX RECEPTACLE/TELECOM: 125V

WIRING DEVICE LEGEND

	SINGLE RECEPTACLE OUTLET: 125V; WALL MOUNTED
	DUPLEX RECEPTACLE OUTLET: 125V; WALL MOUNTED
	DUPLEX RECEPTACLE OUTLET: 125V TOP HALF SWITCHED
	DUPLEX RECEPTACLE OUTLET: 125V, DEDICATED; WALL MOUNTED
	DOUBLE DUPLEX RECEPTACLE OUTLET: 125V; WALL MOUNTED
	TRIPLE DUPLEX RECEPTACLE OUTLET: 125V
	SPECIAL PURPOSE RECEPTACLE OUTLET: RATING AS INDICATED; WALL MOUNTED
	CLOCK RECEPTACLE OUTLET: 125V, 15A
	POWER CONNECTION TO ELECTRIFIED FURNITURE SYSTEM
	SINGLE RECEPTACLE OUTLET: 125V; CEILING MOUNTED
	DUPLEX RECEPTACLE OUTLET: 125V; CEILING MOUNTED
	DUPLEX RECEPTACLE OUTLET: 125V, DEDICATED; CEILING MOUNTED
	DOUBLE DUPLEX RECEPTACLE OUTLET: 125V; CEILING MOUNTED
	SPECIAL PURPOSE RECEPTACLE OUTLET: RATING AS INDICATED; CEILING MOUNTED
	PUSH BUTTON
B	BUZZER
B	BELL
	POWER TYPE PLUGSTRIP OR SURFACE RACEWAY, LENGTH APPROXIMATELY AS SHOWN
	TELECOM TYPE PLUGSTRIP OR SURFACE RACEWAY, LENGTH APPROXIMATELY AS SHOWN
	TELECOM OUTLET
	TELECOM CONNECTION TO ELECTRIFIED FURNITURE SYSTEM
TV	TELEVISION OUTLET
$ 1	SINGLE POLE SWITCH
$ 2	DOUBLE POLE SWITCH
$ 3	THREE WAY SWITCH
$ 4	FOUR WAY SWITCH
$ F	FAN SWITCH
$ H	ILLUMINATED HANDLE SWITCH
$ K	KEY SWITCH
$ MC	MOMENTARY CONTACT SWITCH
$ P	PILOT LIGHT SWITCH
TS	TIMER SWITCH
D	WALL DIMMER
LV	LOW VOLTAGE SWITCH
PC	PHOTOCELL
S	LINE VOLTAGE SHUT OFF SWITCH
OS	OCCUPANCY SENSOR; WALL MOUNTED
OS	2 WAY OCCUPANCY SENSOR; CEILING MOUNTED
OS	1 WAY OCCUPANCY SENSOR; CEILING MOUNTED
OS	CORRIDOR OCCUPANCY SENSOR; CEILING MOUNTED
2S	2-BUTTON LOW-VOLTAGE WALL SWITCH
2D	2-BUTTON LOW-VOLTAGE WALL-MOUNTED DIMMING SCENE SELECTOR WITH RAISE/FLOOR
4S	4-BUTTON LOW-VOLTAGE WALL SWITCH
4D	4-BUTTON LOW-VOLTAGE WALL-MOUNTED DIMMING SCENE SELECTOR WITH RAISE/FLOOR
DZC	DIMMING ZONE CONTROLLER, RECESSED IN WALL
2B	2-BUTTON LOW-VOLTAGE WALL SWITCH FOR CONTROL OF 1 ZONE
3B	3-BUTTON LOW-VOLTAGE WALL SWITCH FOR CONTROL OF 2 ZONES
5B	5-BUTTON LOW-VOLTAGE WALL SWITCH FOR CONTROL OF 3 OR 4 ZONES
7B	7-BUTTON LOW-VOLTAGE WALL SWITCH FOR CONTROL OF 5 OR 6 ZONES

WIRING DEVICE SUBSCRIPT LEGEND

AC	AC = ABOVE COUNTER
GFI	GFI = GROUND FAULT INTERRUPTER
IG	IG = ISOLATED GROUND
WP	WP = WEATHERPROOF
a	a = LOWER CASE LETTER INDICATES SWITCH CONTROL
6	6 = NUMBER INDICATES CIRCUIT NUMBER
<6>	BRACKETS INDICATE SWITCHED CIRCUITS
IG	IG = ISOLATED GROUND (ONE OF DOUBLE DUPLEX)
SIGN	CONNECTION TO DIGITAL SIGNAGE, REFER TO ARCHITECTURAL DRAWINGS
KIOSK	CONNECTION TO RECEPTION KIOSK, REFER TO ARCHITECTURAL DRAWINGS
$ a	a = LOWER CASE INDICATES SWITCH CONTROL
AV	FLOORBOX CONTAINS AV SERVICES
	INDICATES 50% OF POWER OUTLETS IN DEVICE PERMANENTLY LABELED AS "CONTROLLED" AND CONNECTED TO CIRCUIT WITH AUTOMATIC SHUTOFF
	INDICATES 50% OF POWER OUTLETS IN DEVICE PERMANENTLY LABELED AS "CONTROLLED" AND CONNECTED TO CIRCUIT WITH AUTOMATIC SHUTOFF

FIRE ALARM LEGEND

	MANUAL PULL STATION
	AREA SMOKE DETECTOR, CEILING MOUNTED (SMOKE DETECTOR, SEMI-FLUSH MOUNTED IN CEILING)
	AREA SMOKE DETECTOR, WALL MOUNTED
	DUCT TYPE SMOKE DETECTOR
	HEAT DETECTOR, CEILING MOUNTED
BR BT	BEAM DETECTOR: R = RECEIVER, T = TRANSMITTER
W	SPRINKLER WATER FLOW SWITCH
T	SPRINKLER TAMPER SWITCH
S	FIRE ALARM SPEAKER; CEILING MOUNTED
S	FIRE ALARM SPEAKER; WALL MOUNTED
S	COMBINATION FIRE ALARM SPEAKER/VISUAL ALARM; CEILING MOUNTED
S	COMBINATION FIRE ALARM SPEAKER/VISUAL ALARM; WALL MOUNTED
H	FIRE ALARM HORN; CEILING MOUNTED
H	FIRE ALARM HORN; WALL MOUNTED
H	COMBINATION FIRE ALARM HORN/VISUAL ALARM; WALL MOUNTED
	VISUAL ALARM; CEILING MOUNTED
	VISUAL ALARM; WALL MOUNTED
J	FIREFIGHTER'S PHONE JACK
H	EMERGENCY TELEPHONE
H	MAGNETIC DOOR HOLDER
DR	MAGNETIC DOOR RELEASE
	FIRE ALARM BELL
FSD	FIRE/SMOKE DAMPER
SD	SMOKE DAMPER
FACP	FIRE ALARM AND CONTROL PANEL
FARP	FIRE ALARM REMOTE PANEL
FATC	FIRE ALARM TERMINAL CABINET
FARA	FIRE ALARM REMOTE ANNUNCIATOR
FTS	FIREFIGHTER'S TELEPHONE SYSTEM
VCS	VOICE COMMUNICATION SYSTEM
FCIP	FIREFIGHTER'S CONTROL AND INDICATING PANEL
FPSP	FIRE PUMP REMOTE STATUS PANEL
GSP	GENERATOR REMOTE STATUS PANEL
BATT	BATTERY
EVAC	FIRE ALARM VOICE EVACUATION PANEL
DACT	DIGITAL ALARM COMMUNICATOR TRANSMITTER

POWER LEGEND

	ATS, CPC, DPH, DPL, DSH, DSL, MCC OR MS: SIZE APPROXIMATELY AS SHOWN, DOUBLE LINE INDICATES FRONT.
	SURFACE MOUNTED LPH, LRC, MP OR TC: SIZE APPROXIMATELY AS SHOWN
	RECESSED MOUNTED LPH, LRC, MP OR TC: SIZE APPROXIMATELY AS SHOWN
	SURFACE MOUNTED LP: SIZE APPROXIMATELY AS SHOWN
	RECESSED MOUNTED LP: SIZE APPROXIMATELY AS SHOWN
	TB: LENGTH APPROXIMATELY AS SHOWN
F	BUSWAY RISER WITH PLUG IN UNIT, FUSE
C	BUSWAY RISER WITH PLUG IN UNIT, BREAKER
	BUSWAY HORIZONTAL
CTB	CABLE TAP BOX
T F	STEP DOWN TRANSFORMER
G	GENERATOR
G	GENERATOR IN WP ENCLOSURE
	AUTOMATIC TRANSFER SWITCH
J	HEAVY DUTY DISCONNECT SWITCH
J	HEAVY DUTY DISCONNECT SWITCH WITH FUSE
	MOTOR STARTER
	MOTOR STARTER, NOT PROVIDED UNDER ELECTRICAL SCOPE
J	COMBINATION MOTOR STARTER/DISCONNECT SWITCH
J	COMBINATION MOTOR STARTER/DISCONNECT SWITCH, NOT PROVIDED UNDER ELECTRICAL SCOPE
J	VFD WITH DISCONNECT, NOT PROVIDED UNDER ELECTRICAL SCOPE
	VFD WITHOUT DISCONNECT, NOT PROVIDED UNDER ELECTRICAL SCOPE
EPO	EMERGENCY POWER OFF BUTTON
$ MD	MOTORIZED DOOR CONTROLLER (FURNISHED WITH DOOR)
$ MS	MOTORIZED SHADE CONTROLLER (FURNISHED WITH SHADES)
$ PS	PROJECTION SCREEN CONTROLLER (FURNISHED WITH SCREEN)
$ SC	SPEED CONTROLLER (FURNISHED WITH EQUIPMENT)
$ T	THERMAL OVERLOAD/DISCONNECT SWITCH
M	MOTOR CONNECTION
J	JUNCTION BOX, CEILING MOUNTED
J	JUNCTION BOX, WALL MOUNTED
P B	PULL BOX
S B	SPLICE BOX
G	GROUND BUS CABINET
	GROUND ROD
	GROUND TEST WELL
	CIRCUIT BREAKER
	SWITCH AND FUSE
	DRAWOUT TYPE CIRCUIT BREAKER
	DRAWOUT TYPE SWITCH AND FUSE
	CIRCUIT BREAKER IN ENCLOSURE
M	CURRENT TRANSFORMER COMPARTMENT AND KWH METER
	GROUND FAULT SENSOR
GFR	GROUND FAULT RELAY
	NORMALLY OPEN CONTACT
	NORMALLY CLOSED CONTACT
	RELAY OR CONTACTOR: CONTACTS SHOWN WITH COIL DEENERGIZED
	TRANSFORMER
	ROTARY SWITCH
A	PILOT LIGHT: A = AMBER LIGHT, G = GREEN LIGHT R = RED LIGHT, Y = YELLOW LIGHT
	NUMBERED NOTE
SF-1	EQUIPMENT TYPE
MCC-1A	PANEL NAME

LIGHTING LEGEND

	LIGHTING FIXTURE; CEILING MOUNTED
	LIGHTING FIXTURE; WALL MOUNTED
	LIGHTING FIXTURE, SIZE APPROXIMATELY AS SHOWN, CEILING MOUNTED
	LIGHTING FIXTURE, SIZE APPROXIMATELY AS SHOWN, WALL MOUNTED
EM	LIGHTING FIXTURE CONNECTED TO EMERGENCY POWER SYSTEM
	LIGHTING FIXTURE, CONTINUOUS ROW; CEILING MOUNTED
1	LIGHTING FIXTURE, WALL WASHER; CEILING MOUNTED
	LIGHTING FIXTURE(S); BOLLARD MOUNTED
	LIGHTING FIXTURE(S); POLE MOUNTED
2 8 A	LIGHTING FIXTURE SUBSCRIPTS: NUMBER INDICATES CIRCUIT, LOWERCASE LETTER INDICATES SWITCH CONTROL UPPERCASE LETTER INDICATES FIXTURE TYPE
	LIGHTING TRACK WITH FIXTURES, LENGTH APPROXIMATELY AS SHOWN
EXIT SIGNS	ARROWS AS SHOWN, ILLUMINATED FACE AS INDICATED BY SHADING. CONNECT TO EMERGENCY POWER SYSTEM
	EXIT SIGN; WALL MOUNTED
	EXIT SIGN; CEILING MOUNTED
R	EXIT SIGN; RECESSED IN WALL
P	EXIT SIGN; PENDENT MOUNTED
L	EXIT SIGN, LOW LEVEL; RECESSED IN WALL

PROGRAMMABLE LIGHTING & RECEPTACLE CONTROL SYSTEM DEVICE LEGEND

$	SWITCH
D	DIMMER
PC	PHOTOCELL
OS	OCCUPANCY SENSOR; WALL MOUNTED
OS	2 WAY OCCUPANCY SENSOR; CEILING MOUNTED
OS	1 WAY OCCUPANCY SENSOR; CEILING MOUNTED
OS	CORRIDOR OCCUPANCY SENSOR; CEILING MOUNTED
#B	MULTI-BUTTON KEYPAD, # INDICATES QTY OF BUTTONS
#S	MULTI-BUTTON PRESET SCENE CONTROLLER WITH MASTER RAISE/LOWER, # INDICATES QTY OF SCENE BUTTONS
G	GRAPHICAL INTERFACE CONTROLLER

RACEWAY LEGEND

	CONDUIT CONCEALED ABOVE CEILING OR WITHIN WALL
	CONDUIT BELOW GRADE OR EMBEDDED WITHIN SLAB
	CONDUIT UP
	CONDUIT DOWN
	CONDUIT STUBBED OUT WITH BUSHING NOTE: PROVIDE PULLSTRING IN EACH EMPTY RACEWAY
	CONDUIT STUBBED OUT AND CAPPED NOTE: PROVIDE PULLSTRING IN EACH EMPTY RACEWAY
AV	AUDIO/VISUAL SYSTEM RACEWAY
CT	CABLE TRAY
G	GROUNDING SYSTEM RACEWAY
FA	FIRE ALARM SYSTEM RACEWAY
S	SECURITY SYSTEM RACEWAY NOTE: PROVIDE PULLSTRING IN EACH EMPTY RACEWAY
T	TELECOM SYSTEM RACEWAY NOTE: PROVIDE PULLSTRING IN EACH EMPTY RACEWAY
TV	TELEVISION SYSTEM RACEWAY NOTE: PROVIDE PULLSTRING IN EACH EMPTY RACEWAY
	CONDUIT HOMERUN NOTE: MAXIMUM OF THREE BRANCH CIRCUITS FOR EACH HOMERUN, UON
	PHASE CONDUCTOR(S) GROUNDING CONDUCTOR
	ISOLATED GROUNDING CONDUCTOR
	NEUTRAL CONDUCTOR

EQUIPMENT NAMING LEGEND

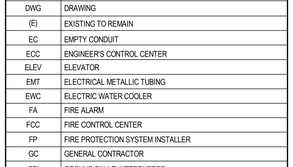
E A E L A / 1,3,5

- CIRCUIT NUMBER(S)
- FIRST OF THIS TYPE ON FLOOR
- H 277/480V PANELBOARD
  L 120/208V PANELBOARD
  MCC MOTOR CONTROL CENTER
- E GENERATOR BACK-UP (NON LIFE-SAFETY)
- FLOOR LEVEL
  A LEVEL 1
  B MEZZANINE
  C LEVEL 2
- E EMERGENCY (LIFE SAFETY)

ABBREVIATIONS

℄	CENTER LINE
A	AMPERES
AF/AS	AMPERE RATING OF FUSE/SWITCH
AFF	ABOVE FINISHED FLOOR
AIC	AMPERES INTERRUPTING CAPACITY
AL	ALUMINUM
AT/AF	AMPERE RATING OF CIRCUIT, BREAKER TRIP/FRAME
A/V	AUDIO/VISUAL
BMS	BUILDING MANAGEMENT SYSTEM
C	CONDUIT (GENERIC TERM FOR RACEWAY - PROVIDE AS SPECIFIED)
CATV	CABLE TELEVISION
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CU	COPPER
DPDT	DOUBLE POLE DOUBLE THROW
DPST	DOUBLE POLE SINGLE THROW
DWG	DRAWING
(E)	EXISTING TO REMAIN
EC	EMPTY CONDUIT
ECC	ENGINEER'S CONTROL CENTER
ELEV	ELEVATOR
EMT	ELECTRICAL METALLIC TUBING
EWC	ELECTRIC WATER COOLER
FA	FIRE ALARM
FCC	FIRE CONTROL CENTER
FP	FIRE PROTECTION SYSTEM INSTALLER
GC	GENERAL CONTRACTOR
GFI	GROUND FAULT INTERRUPTOR
GND	GROUND
HP	HORSEPOWER
HVAC	HEATING, VENTILATING AND AIR CONDITIONING INSTALLER
IDF	INTERMEDIATE DISTRIBUTION FRAME ROOM
IG	ISOLATED GROUND
JB	JUNCTION BOX
KCMIL	THOUSAND CIRCULAR MILS
KVA	KILO-VOLT AMPERE
KW	KILO-WATT
LTG	LIGHTING
MCB	MAIN CIRCUIT BREAKER
MCP	MOTOR CIRCUIT PROTECTOR
MDF	MAIN DISTRIBUTION FRAME ROOM
MDP	MAIN DISTRIBUTION PANEL
MIC	MINERAL INSULATED CABLE
MLO	MAIN LUGS ONLY
MTD	MOUNTED
MTG	MOUNTING
MTS	MANUAL TRANSFER SWITCH
(N)	NEW
N/C	NOT IN CONTACT
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
NTS	NOT TO SCALE
P	POLE
PB	PULL BOX
PH	PHASE
PL	PLUMBING SYSTEM INSTALLER
PVC	POLYVINYL CHLORIDE CONDUIT
PWR	POWER
(R)	EXISTING TO BE RELOCATED
RAC	RIGID ALUMINUM CONDUIT
RGS	RIGID GALVANIZED STEEL
RSC	RIGID STEEL CONDUIT
SCC	SECURITY CONTROL CENTER
SN	SOLID NEUTRAL
SPDT	SINGLE POLE DOUBLE THROW
SPST	SINGLE POLE SINGLE THROW
TB	TELECOM BACKBOARD
TEL	TELECOM
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
WP	WEATHERPROOF
WT	WATERTIGHT
(X)	EXISTING TO BE REMOVED
XP	EXPLOSION PROOF

LIGHTING & CONTROL DEVICE SUBSCRIPT LEGEND



CONTROL ZONE SUBSCRIPT KEY

a-z = ZONE CONTROLLED BY MANUAL DEVICES AND OCCUPANCY SENSORS INDICATED - NO TIMECLOCK CONTROL

aa-zz = ZONE CONTROLLED BY TIMECLOCK SCHEDULE AND ANY MANUAL DEVICES AND OCCUPANCY SENSORS INDICATED

A-Z = DAYLIGHT HARVESTING ZONE CONTROLLED BY PHOTOCELL INDICATED

GENERAL NOTES:

A. PRIOR TO DRILLING OR CORING ANY EXISTING CONCRETE, EXISTING REBAR AND POST-TENSION(PT) TENDONS SHALL BE LOCATED BY SCANNING. SUBMIT SHOP DRAWINGS SHOWING THE COORDINATED LOCATIONS OF OPENINGS AND ANCHORS TO AVOID DAMAGING EXISTING REBAR AND PT TENDONS. CORING OF PT CONCRETE WILL NOT BE PERMITTED WITHOUT THE REVIEW OF THE ARCHITECT. REFER TO DETAIL 11/S6.00 AND DETAIL 14/S5.19 FOR OTHER REQUIREMENTS OF PT SLAB PENETRATIONS.

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

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Issued For:

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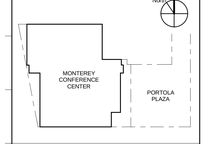
1	ADDENDUM 1	11 SEPT 2015

Key Plan:



Seal & Signature:

Sheet Name:

ELECTRICAL LEGEND AND ABBREVIATIONS

Project No.:	Sheet No.:
Project Number	E0.01
Drawn By: Author	
Checked By: Checker	
Scale: 12" = 1'-0"	

Approved as to Form CAO RISK
Agreement #: Ag-5097 - Page 338 of 329

2/6/2015 11:01:23 AM

CHB

BUSSING: 100A, 14,000 AIC SYMMETRICAL — LOCATION: ELECTRICAL ROOM
MAIN: MLO — MOUNTING: SURFACE
277/480V, 3 PHASE, 4 WIRE — 100% RATED NEUTRAL + GROUND

TYPE	DESCRIPTION	LOAD	DEVICE	CKT	A	B	C	CKT	DEVICE	LOAD	DESCRIPTION	TYPE
M	ESC-2A	3879	20/3	1	●			2	20/1		SPARE	
M	"	3879	"	3		●		4	20/1		SPARE	
M	"	3879	"	5			●	6	20/1		SPARE	
M	ESC-2B	3879	20/3	7	●			8	20/1		SPARE	
M	"	3879	"	9		●		10	20/1		SPARE	
M	"	3879	"	11			●	12	20/1		SPARE	
M	MOTORIZED DOOR - LEVEL 2	445	20/3	13	●			14	20/1		SPARE	
M	"	445	"	15		●		16	20/1		SPARE	
M	"	445	"	17			●	18	20/1		SPARE	
	SPARE		20/1	19	●			20	20/1		SPARE	
	SPARE		20/1	21		●		22	20/1		SPARE	
	SPARE		20/1	23			●	24	20/1		SPARE	
	SPACE			25	●			26			SPACE	
	SPACE			27		●		28			SPACE	
	SPACE			29			●	30			SPACE	

TOTAL ALL PHASES (VA)	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	TOTAL ALL PHASES (AMPS)
24609	8203	8203	8203	30

LOAD SUMMARY BY TYPE	CONN. LOAD	DEMAND FACTOR	NEC LOAD
E = EQUIPMENT	0 VA	1.00	0 VA
H = ELECTRIC HEAT	0 VA	1.00	0 VA
K = KITCHEN EQUIPMENT	0 VA	1.00	0 VA
L = LIGHTING	0 VA	1.25	0 VA
M = MOTOR	12972 VA	1.00	12972 VA
M = LARGEST MOTOR	11637 VA	1.25	14546 VA
R = RECEPTACLE	0 VA	NEC DEMAND	0 VA

CONNECTED LOAD SUMMARY
24609 VA
30 AMPS

NEC LOAD SUMMARY
27518 VA
33 AMPS

(E) CMCC

BUS AMPACITY: EXISTING — 480V, 3 PHASE, 3 WIRE — LOCATION: ROOF
MAIN: EXISTING — AIC RMS: EXISTING

CIRCUIT	LOAD SERVED	DEVICE RATING	LOAD (VA)	REMARKS
1	***(E) ELEVATOR***	***(E)***	20,000	
2	***(E) SF-1***	***(E) 30A/100AF***	9,141	
3	***(E) RF-1***	***(E) 20A/100AF***	6,316	
4	***(E) SF-2***	***(E) 30A/100AF***	9,141	
5	***(E) RF-2***	***(E) 20A/100AF***	6,316	
6	***(E) SF-3***	***(E) 15A/100AF***	3,989	
7	***(E) RF-3***	***(E) 15A/100AF***	2,825	
8	***SPARE***	***(E) 15A/100AF***	0	
9	***SPARE***	***(E) 15A/100AF***	0	
10	***(E) CT-1***	***(E) 60A/100AF***	22,437	
11	***(E) CT-2***	***(E) 60A/100AF***	22,437	
12	AHU-9	20A/100AF	9,300	
13	AHU-4	20A/100AF	4,156	
14	SPACE		0	
15	SPACE		0	
		TOTAL	116,057	

LOAD SUMMARY BY TYPE	CONNECTED LOAD	DEMAND FACTOR	NEC LOAD
E = EQUIPMENT	0 VA	1.00	0 VA
H = ELECTRIC HEAT	0 VA	1.00	0 VA
K = KITCHEN	0 VA	1.00	0 VA
L = LIGHTING	0 VA	1.25	0 VA
M = MOTOR	73620 VA	1.00	73620 VA
M = LARGEST MOTOR	22437 VA	1.25	28046 VA
R = RECEPTACLE	0 VA	NEC DEMAND	0 VA
EL = ELEVATOR	20000 VA	1.00	20000 VA

CONNECTED LOAD SUMMARY
116057 VA
140 A

NEC LOAD SUMMARY
121667 VA
147 A

EBHA

BUSSING: 100A, 14,000 AIC SYMMETRICAL — LOCATION: ELECTRICAL ROOM
MAIN: 20A/3P — MOUNTING: SURFACE
277/480V, 3 PHASE, 4 WIRE — 100% RATED NEUTRAL + GROUND

TYPE	DESCRIPTION	LOAD	DEVICE	CKT	A	B	C	CKT	DEVICE	LOAD	DESCRIPTION	TYPE
L	SERRA BALLROOM 108 - LTG	2177	20/1	1	●			2	20/1	500	MEZZANINE LEVEL - LIGHTING CTRL	E
L	SERRA BALLROOM 107 - LTG	2416	20/1	3		●		4	20/1	500	LEVEL 1 - LIGHTING CTRL	E
L	MEZZANINE LEVEL - LTG	1422	20/1	5			●	6	20/1	500	MEZZANINE LEVEL - LIGHTING CTRL	E
L	STAIR 5 - LTG	567	20/1	7	●			8	20/1		SPARE	
L	LEVEL 1 MAIN LOBBY - LTG	591	20/1	9		●		10	20/1		SPARE	
L	LEVEL 1 RESTROOMS 107,108 - LTG	756	20/1	11			●	12	20/1		SPARE	
L	LEVEL 1 - EXIT SIGNS	100	20/1	13	●			14	20/1		SPARE	
L	MEZZANINE LEVEL - EXIT SIGNS	50	20/1	15		●		16	20/1		SPARE	
L	EXTERIOR LTG - SOUTH, EAST	748	20/1	17			●	18	20/1		SPARE	
L	LEVEL 1 - BACK OF HOUSE	428	20/1	19	●			20	20/1		SPARE	
	SPARE		20/1	21		●		22	20/1		SPARE	
	SPARE		20/1	23			●	24	20/1		SPARE	
	SPACE			25	●			26			SPACE	
	SPACE			27		●		28			SPARE	
	SPACE			29			●	30			SPARE	
				31	●			32				
				33		●		34				
				35			●	36				
				37	●			38				
				39		●		40				
				41			●	42				

TOTAL ALL PHASES (VA)	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	TOTAL ALL PHASES (AMPS)
10754.55	3771.6	3557.1	3425.85	13

LOAD SUMMARY BY TYPE	CONN. LOAD	DEMAND FACTOR	NEC LOAD
E = EQUIPMENT	1500 VA	1.00	1500 VA
H = ELECTRIC HEAT	0 VA	1.00	0 VA
K = KITCHEN EQUIPMENT	0 VA	1.00	0 VA
L = LIGHTING	9255 VA	1.25	11568 VA
M = MOTOR	0 VA	1.00	0 VA
M = LARGEST MOTOR		1.25	0 VA
R = RECEPTACLE	0 VA	NEC DEMAND	0 VA

CONNECTED LOAD SUMMARY
10755 VA
13 AMPS

NEC LOAD SUMMARY
13068 VA
16 AMPS

ECHA

100A, 14,000 AIC SYMMETRICAL — LOCATION: ELECTRICAL ROOM
MAIN: 30A/3P — MOUNTING: SURFACE
277/480V, 3 PHASE, 4 WIRE — 100% RATED NEUTRAL + GROUND

TYPE	DESCRIPTION	LOAD	DEVICE	CKT	A	B	C	CKT	DEVICE	LOAD	DESCRIPTION	TYPE
L	STEINBECK 310 - LIGHTING	1578	20/1	1	●			2	20/1	500	LEVEL 2 - LIGHTING CONTROLS	E
L	STEINBECK 310 - LIGHTING	1506	20/1	3		●		4	20/1	900	PLAZA - EGRESS LTS POLE/BOLLARD	L
L	STEINBECK 310 - LIGHTING	1545	20/1	5			●	6	20/1	756	PLAZA - EGRESS LTS - BENCH	L
L	EXTERIOR EGRESS LTG - SOUTH	2086	20/1	7	●			8	20/1		SPARE	
L	EXTERIOR EGRESS LTG - NORTH	1105	20/1	9		●		10	20/1		SPARE	
L	PREFUNCTION NORTH 302 LTG	1829	20/1	11			●	12	20/1		SPARE	
L	LEVEL 2 - EXIT SIGNS	105	20/1	13	●			14	20/1		SPARE	
L	SERVICE 309/STORAGE 311A,B - LTG	872	20/1	15		●		16	20/1		SPARE	
L	LIGHTS ON ROOF	315	20/1	17			●	18	20/1		SPARE	
	SPARE		20/1	19	●			20	20/1		SPARE	
	SPARE		20/1	21		●		22	20/1		SPARE	
	SPARE		20/1	23			●	24	20/1		SPARE	
	SPACE			25	●			26			SPACE	
	SPACE			27		●		28			SPACE	
	SPACE			29			●	30			SPACE	

(Revision 1)

TOTAL ALL PHASES (VA)	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	TOTAL ALL PHASES (AMPS)
13096.2	4269.2	4382.5	4444.5	16

LOAD SUMMARY BY TYPE	CONN. LOAD	DEMAND FACTOR	NEC LOAD
E = EQUIPMENT	500 VA	1.00	500 VA
H = ELECTRIC HEAT	0 VA	1.00	0 VA
K = KITCHEN EQUIPMENT	0 VA	1.00	0 VA
L = LIGHTING	12596 VA	1.25	15745 VA
M = MOTOR	0 VA	1.00	0 VA
M = LARGEST MOTOR		1.25	0 VA
R = RECEPTACLE	0 VA	NEC DEMAND	0 VA

CONNECTED LOAD SUMMARY
13096 VA
16 AMPS

NEC LOAD SUMMARY
16245 VA
20 AMPS

BHA

BUSSING: 225A, 14,000 AIC SYMMETRICAL — LOCATION: ELECTRICAL ROOM
MAIN: MLO — MOUNTING: SURFACE
277/480V, 3 PHASE, 4 WIRE — 100% RATED NEUTRAL + GROUND

TYPE	DESCRIPTION	LOAD	DEVICE	CKT	A	B	C	CKT	DEVICE	LOAD	DESCRIPTION	TYPE
E	MEZZANINE LEVEL - LIGHTING CTRL	500	20/1	1	●			2	20/1	0	SPARE	
			20/1	3		●		4	20/1	2488.6	LEVEL 1 MAIN LOBBY - LTG	L
E	MEZZANINE LEVEL - LIGHTING CTRL	500	20/1	5			●	6	20/1	1184	MEZZANINE CONF/MAIN LOBBY - LTG	L
	SPARE		20/1	7	●			8	20/1	2400	MEZZANINE 201/CORRIDOR 202 - LTG	L
L	SERRA BALLROOM WEST - LTG	1728	20/1	9		●		10	20/1	1194	MEZZANINE OFFICE - LTG	L
L	SERRA BALLROOM WEST - LTG	1728	20/1	11			●	12	20/1	0	SPARE	
L	SERRA BALLROOM WEST - LTG	1728	20/1	13	●			14	20/1	900	SERRA BALLROOM WEST - LTG	L
	"		20/1	15		●		16	20/1	900	SERRA BALLROOM WEST - LTG	L
	"		20/1	17			●	18	20/1	900	SERRA BALLROOM WEST - LTG	L
E	***(E) MOTORIZED GATE***	1000	15/3	19	●			20	20/1		SPARE	
E	"	1000	"	21		●		22	20/1		SPARE	
E	"	1000	"	23			●	24			SPACE	
	SPARE		20/1	25	●			26			SPACE	
	SPARE		20/1	27		●		28			SPACE	
	SPARE		20/1	29			●	30			SPACE	
	SPARE		20/1	31	●			32			SPACE	
	SPARE		20/1	33		●		34			SPACE	
	SPARE		20/1	35			●	36			SPACE	
	SPACE			37	●			38			SPACE	
	SPACE			39		●		40			SPACE	
	SPACE			41			●	42			SPACE	

TOTAL ALL PHASES (VA)	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	TOTAL ALL PHASES (AMPS)
19150.6	6527.8	7310.4	5312.4	23

LOAD SUMMARY BY TYPE	CONN. LOAD	DEMAND FACTOR	NEC LOAD
E = EQUIPMENT	4000 VA	1.00	4000 VA
H = ELECTRIC HEAT	0 VA	1.00	0 VA
K = KITCHEN EQUIPMENT	0 VA	1.00	0 VA
L = LIGHTING	15151 VA	1.25	18938 VA
M = MOTOR	-6318 VA	1.00	-6318 VA
M = LARGEST MOTOR	6318 VA	1.25	7898 VA
R = RECEPTACLE	0 VA	NEC DEMAND	0 VA

CONNECTED LOAD SUMMARY
19151 VA
23 AMPS

NEC LOAD SUMMARY
24518 VA
30 AMPS

(E) BHB

BUSSING: 225A, — LOCATION: ELECTRICAL ROOM
MAIN: MLO — MOUNTING: SURFACE
277/480V, 3 PHASE, 4 WIRE — 100% RATED NEUTRAL + GROUND

TYPE	DESCRIPTION	LOAD	DEVICE	CKT	A	B	C	CKT	DEVICE	LOAD	DESCRIPTION	TYPE
L	***(E) BACK OF HOUSE LIGHTING***		***20/1***	1	●			2	***70/3***		***SPARE (WAS ELEVATOR)***	
E	***(E) EXISTING LOAD***	1000	***20/1***	3		●		4	"		"	
E	***(E) EXISTING LOAD***	1000	***20/1***	5			●	6	"		"	
M	***(E) EF-10***	2105	***20/3***	7	●			8	***30/3***	3047	***(E) RF-6***	M
M	"	2105	"	9		●		10	"	3047	"	M
M	"	2105	"	11			●	12	"	3047	"	M
M	***(E) MP-1***	2105	***20/3***	13	●			14	***50/3***	5817	***(E) SF-6***	M
M	"	2105	"	15		●		16	"	5817	"	M
M	"	2105	"	17			●	18	"	5817	"	M
M	***(E) MP-2***	2105	***20/3***	19	●			20	***50/3***	5817	***(E) SF-5***	M
M	"	2105	"	21		●		22	"	5817	"	M
M	"	2105	"	23			●	24	"	5817	"	M
M	ESC-1A	3879	20/3	25	●			26	***15/3***	582	***(E) M-1***	M
M	"	3879	"	27		●		28	"	582	"	M
M	"	3879	"	29			●	30	"	582	"	M
M	ESC-1B	3879	20/3	31	●			32	70/3	7479	ELEV-2	M
M	"	3879	"	33		●		34	"	7479	"	M
M	"	3879	"	35			●	36	"	7479	"	M
	SPACE			37	●			38			SHUNT TRIP W/ AUX. CONTACTS	
	SPACE			39		●		40			***SPACE***	
	SPACE			41			●	42			***SPACE***	

TOTAL ALL PHASES (VA)	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	TOTAL ALL PHASES (AMPS)
112445.9	36815.3	37815.3	37815.3	135

LOAD SUMMARY BY TYPE	CONN. LOAD	DEMAND FACTOR	NEC LOAD
E = EQUIPMENT	2000 VA	1.00	2000 VA
H = ELECTRIC HEAT	0 VA	1.00	0 VA
K = KITCHEN EQUIPMENT	0 VA	1.00	0 VA
L = LIGHTING	0 VA	1.25	0 VA
M = MOTOR	92995 VA	1.00	92995 VA
M = LARGEST MOTOR	17451 VA	1.25	21814 VA
R = RECEPTACLE	0 VA	NEC DEMAND	0 VA

CONNECTED LOAD SUMMARY
112446 VA
135 AMPS

NEC LOAD SUMMARY
116809 VA
141 AMPS

CHA

BUSSING: 225A, 14,000 AIC SYMMETRICAL — LOCATION: ELECTRICAL ROOM
MAIN: 225A/3P — MOUNTING: SURFACE
277/480V, 3 PHASE, 4 WIRE — 100% RATED NEUTRAL + GROUND

TYPE	DESCRIPTION	LOAD	DEVICE	CKT	A	B	C	CKT	DEVICE	LOAD	DESCRIPTION	TYPE
E	PANEL CLA VIA TRANSF	28942	150/3	1	●			2	20/1	1501	LEVEL 2 RESTROOM/STORAGE - LTG	L
E	"	24573	"	3		●		4	20/1	4083.2	STEINBECK 310 - LIGHTING	L
E	"	25412	"	5			●	6	20/1	4083.2	STEINBECK 310 - LIGHTING	L
L	STEINBECK 310 - LIGHTING	1030	20/1	7	●			8	20/1	3240	STEINBECK 310 - LIGHTING	L
L	STEINBECK 310 - LIGHTING	1030	20/1	9		●		10	20/1	1312	EAST PREFUNCTION 301	L
L	STEINBECK 310 - LIGHTING	515	20/1	11			●	12	20/1	3036	NORTH PREFUNCTION 302	L
	SPARE		20/1	13	●			14	20/1	0	SPARE	
	SPARE		20/1	15		●		16	20/1	500	LEVEL 2 - LIGHTING CONTROLS	E
	SPARE		20/1	17			●	18	20/1	500	LEVEL 2 - LIGHTING CONTROLS	E
	SPARE		20/1	19	●			20	20/1		SPARE (WAS LIGHTS)	
	SPARE		20/1	21		●		22	20/1		SPARE	
	SPARE		20/1	23			●	24	20/1		SPARE (WAS LIGHTS)	
	SPARE		20/1	25	●			26	20/1		SPARE (WAS LIGHTS)	
	SPARE		20/1	27		●		28	20/1		SPARE (WAS LIGHTS)	
	SPARE		20/1	29			●	30	20/1		SPARE (WAS LIGHTS)	
	SPARE		20/1	31	●			32	20/1		SPARE (WAS LIGHTS)	
	SPARE		20/1	33		●		34	20/1		SPARE (WAS SF-11)	
	SPACE			35			●	36	20/1		"	
E	PANEL CHB	8203	70/3	37	●			38	20/1		"	
E	"	8203	"	39		●		40	20/1	1000	***(E) EXISTING LOAD***	E
E	"	8203	"	41			●	42	20/1	1000	***(E) EXISTING LOAD***	E

TOTAL ALL PHASES (VA)	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	TOTAL ALL PHASES (AMPS)
126366.7875	42916	40701	42750	152

LOAD SUMMARY BY TYPE	CONN. LOAD	DEMAND FACTOR	NEC LOAD
E = EQUIPMENT	19618 VA	1.00	19618 VA
H = ELECTRIC HEAT	0 VA	1.00	0 VA
K = KITCHEN EQUIPMENT	24318 VA	1.00	24318 VA
L = LIGHTING	27631 VA	1.25	34538 VA
M = MOTOR	17516 VA	1.00	17516 VA
M = LARGEST MOTOR	11637 VA	1.25	14546 VA
R = RECEPTACLE	25647 VA	NEC DEMAND	17824 VA

CONNECTED LOAD SUMMARY
126367 VA
152 AMPS

NEC LOAD SUMMARY
128360 VA
155 AMPS

AHC

BUSSING: 225A, 14,000 AIC SYMMETRICAL — LOCATION: ELECTRICAL ROOM
MAIN: MLO — MOUNTING: SURFACE
277/480V, 3 PHASE, 4 WIRE — 100% RATED NEUTRAL + GROUND

TYPE	DESCRIPTION	LOAD	DEVICE	CKT	A	B	C	CKT	DEVICE	LOAD	DESCRIPTION	TYPE
E	***(E) EXISTING LOAD***	1000	20/1	1	●			2	20/1		SPARE	
E	***(E) EXISTING LOAD***	1000	20/1	3		●		4	20/1		SPARE	
E	***(E) EXISTING LOAD***	1000	20/1	5			●	6	20/1		SPARE	
E	***(E) EXISTING LOAD***	1000	20/1	7	●			8	20/1		SPARE	
	SPARE		20/1	9		●		10	20/1	1000	***(E) EXISTING LOAD***	E
	SPARE		20/1	11			●	12	20/1	1000	***(E) EXISTING LOAD***	E
L	SERRA BALLROOM WEST -LTG	805	20/1	13	●			14	20/1	1000	***(E) EXISTING LOAD***	E
E	***(E) EXISTING LOAD***	1000	20/1	15		●		16	100/3	1000	***(E) SERRA - NORTH PARTITION***	E
E	***(E) EXISTING LOAD***	1000	20/1	17			●	18	"	1000	"	E
	SPACE			19	●			20	"	1000	"	E
	SPACE			21		●		22			SPACE	
	SPACE			23			●	24			SPACE	
	SPACE			25	●			26			SPACE	
	SPACE			27		●		28			SPACE	
	SPACE			29			●	30			SPACE	

TOTAL ALL PHASES (VA)	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	TOTAL ALL PHASES (AMPS)
12805.2	4805.2	4000	4000	15

LOAD SUMMARY BY TYPE	CONN. LOAD	DEMAND FACTOR	NEC LOAD
E = EQUIPMENT	12000 VA	1.00	12000 VA
H = ELECTRIC HEAT	0 VA	1.00	0 VA
K = KITCHEN EQUIPMENT	0 VA	1.00	0 VA
L = LIGHTING	805 VA	1.25	1007 VA
M = MOTOR	0 VA	1.00	0 VA
M = LARGEST MOTOR		1.25	0 VA
R = RECEPTACLE	0 VA	NEC DEMAND	0 VA

CONNECTED LOAD SUMMARY
12805 VA
15 AMPS

NEC LOAD SUMMARY
13007 VA
16 AMPS

(E) AHD

BUSSING: 100A, — LOCATION: ELECTRICAL ROOM
MAIN: MLO — MOUNTING: SURFACE
277/480V, 3 PHASE, 4 WIRE — 100% RATED NEUTRAL + GROUND

TYPE	DESCRIPTION	LOAD	DEVICE	CKT	A	B	C	CKT	DEVICE	LOAD	DESCRIPTION	TYPE
M	***(E) PARTITION MOTOR***	1000	***15/3***	1	●			2	***15/3***	1000	***(E) PARTITION MOTOR***	M
M	"	1000	"	3		●		4	"	1000	"	M
M	"	1000	"	5			●	6	"	1000	"	M
	SPACE			7	●			8	***20/1***	1000	***(E) EXISTING LOAD***	E
	SPACE			9		●		10	***20/1***	1000	***(E) EXISTING LOAD***	E
	SPACE			11			●	12	***20/1***	1000	***(E) EXISTING LOAD***	E
	SPACE			13	●			14	***20/1***	1000	***(E) EXISTING LOAD***	E
	SPACE			15		●		16	***20/1***	1000	***(E) EXISTING LOAD***	E
	SPACE			17			●	18	***20/1***	1000	***(E) EXISTING LOAD***	E
	SPACE			19	●			20	***20/1***	1000	***(E) EXISTING LOAD***	E
	SPACE			21		●		22	***20/1***	1000	***(E) EXISTING LOAD***	E
	SPACE			23			●	24	***20/1***	1000	***(E) EXISTING LOAD***	E

TOTAL ALL PHASES (VA)	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	TOTAL ALL PHASES (AMPS)
15000	5000	5000	5000	18

LOAD SUMMARY BY TYPE	CONN. LOAD	DEMAND FACTOR	NEC LOAD
E = EQUIPMENT	9000 VA	1.00	9000 VA
H = ELECTRIC HEAT	0 VA	1.00	0 VA
K = KITCHEN EQUIPMENT	0 VA	1.00	0 VA
L = LIGHTING	0 VA	1.25	0 VA
M = MOTOR	6000 VA	1.00	6000 VA
M = LARGEST MOTOR		1.25	0 VA
R = RECEPTACLE	0 VA	NEC DEMAND	0 VA

CONNECTED LOAD SUMMARY
15000 VA
18 AMPS

NEC LOAD SUMMARY
15000 VA
18 AMPS

(E) AHE

BUSSING: 225A, — LOCATION: ELECTRICAL ROOM
MAIN: MLO — MOUNTING: SURFACE
277/480V, 3 PHASE, 4 WIRE — 100% RATED NEUTRAL + GROUND

TYPE	DESCRIPTION	LOAD	DEVICE	CKT	A	B	C	CKT	DEVICE	LOAD	DESCRIPTION	TYPE
L	LEVEL 1 NORTH - LTG	1696	***20/1***	1	●			2	***20/1***	1000	***(E) EXISTING LOAD***	E
L	***(E) LEVEL 1 NORTH - LTG***	1000	***20/1***	3		●		4	***20/1***	1000	***(E) EXISTING LOAD***	E
	SPACE			5			●	6			***SPACE***	
	SPACE			7	●			8	***50/3***	1000	***(E) KITCHEN LOAD***	K
	SPACE			9		●		10	"	1000	"	K
	SPACE			11			●	12	"	1000	"	K
K	***(E) KITCHEN LOAD***	1000	***20/3***	13	●			14	***40/3***	1000	***(E) KITCHEN LOAD***	K
K	"	1000	"	15		●		16	"	1000	"	K
K	"	1000	"	17			●	18	"	1000	"	K
K	***(E) KITCHEN LOAD***	1000	***15/3***	19	●			20	***20/3***	1000	***(E) KITCHEN LOAD***	K
K	"	1000	"	21		●		22	"	1000	"	K
K	"	1000	"	23			●	24	"	1000	"	K
K	***(E) KITCHEN LOAD***	1000	***15/3***	25	●			26	***30/3***	1000	***(E) KITCHEN LOAD***	K
K	"	1000	"	27		●		28	"	1000	"	K
K	"		"	29			●	30	"	1000	"	K
	SPACE			31	●			32	***30/3***	1000	***(E) KITCHEN LOAD***	K
	SPACE			33		●		34	"	1000	"	K
	SPACE			35			●	36	"	1000	"	K
E	***(E) EXISTING LOAD***	1000	***40/3***	37	●			38	***30/3***	1000	***(E) KITCHEN LOAD***	K
E	"	1000	"	39		●		40	"	1000	"	K
E	"	1000	"	41			●	42	"	1000	"	K

TOTAL ALL PHASES (VA)	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	TOTAL ALL PHASES (AMPS)
33696	12696	12000	9000	41

LOAD SUMMARY BY TYPE	CONN. LOAD	DEMAND FACTOR	NEC LOAD
E = EQUIPMENT	5000 VA	1.00	5000 VA
H = ELECTRIC HEAT	0 VA	1.00	0 VA
K = KITCHEN EQUIPMENT	26000 VA	0.65	16900 VA
L = LIGHTING	2696 VA	1.25	3370 VA
M = MOTOR	0 VA	1.00	0 VA
M = LARGEST MOTOR		1.25	0 VA
R = RECEPTACLE	0 VA	NEC DEMAND	0 VA

CONNECTED LOAD SUMMARY
33696 VA
41 AMPS

NEC LOAD SUMMARY
25270 VA
30 AMPS

(E) AMCC

BUS AMPACITY: EXISTING — 480V, 3 PHASE, 3 WIRE — LOCATION: MECHANICAL ROOM
MAIN: EXISTING — AIC RMS: EXISTING

CIRCUIT	LOAD SERVED	DEVICE RATING	LOAD (VA)	REMARKS
1	***(E) RF-5***	***(E) 30AT/100AF***	9,141	
2	***(E) CHP-1***	***(E) 30A/100AF***	17,459	
3	***(E) CHP-2***	***(E) 30A/100AF***	17,459	
4	***(E) MP-7 (CHWP)***	***(E) 60A/100AF***	17,451	
5	***(E) MP-8 (CHWP)***	***(E) 60A/100AF***	17,451	
6	CWP-1	50A/100AF	22,437	
7	CWP-2	50A/100AF	22,437	
8	***SPACE***		0	
9	***SPACE***		0	
10	***SPACE***		0	
		TOTAL	123,835	

LOAD SUMMARY BY TYPE	CONNECTED LOAD	DEMAND FACTOR	NEC LOAD
E = EQUIPMENT	0 VA	1.00	0 VA
H = ELECTRIC HEAT	0 VA	1.00	0 VA
K = KITCHEN	0 VA	1.00	0 VA
L = LIGHTING	0 VA	1.25	0 VA
M = MOTOR	101398 VA	1.00	101398 VA
M = LARGEST MOTOR	22437 VA	1.25	28046 VA
R = RECEPTACLE	0 VA	NEC DEMAND	0 VA
EL = ELEVATOR	0 VA	1.00	0 VA

CONNECTED LOAD SUMMARY
123835 VA
149 A

NEC LOAD SUMMARY
129444 VA
156 A

MSBH

BUS AMPACITY: SEE RISER — 277/480V, 3 PHASE, 4 WIRE — LOCATION: ELECTRICAL ROOM
MAIN: SEE RISER — AIC RMS: SEE RISER

CIRCUIT	LOAD SERVED	DEVICE RATING	LOAD (VA)	REMARKS
1	PANEL AHC	SEE RISER	12,805	
2	PANEL AHD	SEE RISER	15,000	
3	PANEL AHE	SEE RISER	33,696	
4	CHILLER	SEE RISER	267,582	
5	PANEL AMCC	SEE RISER	123,835	
6	PANEL AHA	SEE RISER	192,993	
7	PANEL CHA	SEE RISER	126,367	
8	PANEL BHB	SEE RISER	112,446	
9	PANEL CMCC	SEE RISER	116,057	
10	PANEL MSBL	SEE RISER	691,392	VIA TRANSFORMER
11	PANEL ECHA	SEE RISER	13,096	VIA INV-CA
12	PANEL EBHA	SEE RISER	10,755	VIA INV-BA
13	COMPANY SWITCH	SEE RISER	20,000	SERRA BALLROOM 108
14	COMPANY SWITCH	SEE RISER	20,000	ELEC ROOM 311B
15	SPACE		0	
16	SPACE		0	
		TOTAL	1,756,024	

LOAD SUMMARY BY TYPE	CONNECTED LOAD	DEMAND FACTOR	NEC LOAD
E = EQUIPMENT	789200 VA	1.00	789200 VA
H = ELECTRIC HEAT	0 VA	1.00	0 VA
K = KITCHEN	63818 VA	1.00	63818 VA
L = LIGHTING	96711 VA	1.25	120889 VA
M = MOTOR	393809 VA	1.00	393809 VA
M = LARGEST MOTOR	267582 VA	1.25	334478 VA
R = RECEPTACLE	102467 VA	NEC DEMAND	56234 VA
EL = ELEVATOR	42437 VA	0.95	40315 VA

CONNECTED LOAD SUMMARY
1756024 VA
2115 A

NEC LOAD SUMMARY
1798742 VA
2166 A

MSBL

BUS AMPACITY: SEE RISER — 120/208V, 3 PHASE, 4 WIRE — LOCATION: ELECTRICAL ROOM
MAIN: SEE RISER — AIC RMS: SEE RISER

CIRCUIT	LOAD SERVED	DEVICE RATING	LOAD (VA)	REMARKS
1	PANEL ALD	SEE RISER	124,440	
2	PANEL ALE	SEE RISER	77,000	
3	PANEL ALF	SEE RISER	30,756	
4	PANEL CLB	SEE RISER	25,200	
5	PANEL BLB	SEE RISER	29,766	
6	SPARE	SEE RISER	0	
7	PANEL DB2	SEE RISER	10,000	
8	PANEL EDP	SEE RISER	12,860	VIA ATS
9	PANEL CLD	SEE RISER	304,000	
10	PANEL ALG	SEE RISER	17,370	
11	COMPANY SWITCH	SEE RISER	30,000	IDF 107H
12	COMPANY SWITCH	SEE RISER	15,000	IDF 107H
13	COMPANY SWITCH	SEE RISER	15,000	EXTERIOR LEVEL 2 - WEST
14	SPACE		0	
15	SPACE		0	
		TOTAL	691,392	

LOAD SUMMARY BY TYPE	CONNECTED LOAD	DEMAND FACTOR	NEC LOAD
E = EQUIPMENT	590124 VA	1.00	590124 VA
H = ELECTRIC HEAT	0 VA	1.00	0 VA
K = KITCHEN	13500 VA	1.00	13500 VA
L = LIGHTING	13860 VA	1.25	17325 VA
M = MOTOR	20668 VA	1.00	20668 VA
M = LARGEST MOTOR		1.25	0 VA
R = RECEPTACLE	53240 VA	NEC DEMAND	31620 VA
EL = ELEVATOR	0 VA	1.00	0 VA

CONNECTED LOAD SUMMARY
691392 VA
1921 A

NEC LOAD SUMMARY
673237 VA
1871 A

(E) AHA

BUS AMPACITY: 600A — 277/480V, 3 PHASE, 4 WIRE — LOCATION: ELECTRICAL ROOM
MAIN: 600A/3P — AIC RMS: EXISTING

CIRCUIT	LOAD SERVED	DEVICE RATING	LOAD (VA)	REMARKS
1	***SPACE***		0	
2	***(E) PANEL ALA***	***(E) 400AT/400AF***	125,538	
3	***(E) OPERABLE DOOR***	***(E) 15AT/100AF***	1,000	
4	***(E) PANEL AHB***	***(E) 100AT/100AF***	16,218	
5	***(E) PANEL BHA***	***(E) 100AT/100AF***	19,151	
6	***(E) VACUUM UNIT***	***(E) 30AT/100AF***	1,000	
7	AHU-10	20AT/100AF	6,318	
8	AHU-7	20AT/100AF	6,318	
9	AHU-8	30AT/100AF	17,451	
10	***SPACE***		0	
		TOTAL	192,993	

LOAD SUMMARY BY TYPE	CONNECTED LOAD	DEMAND FACTOR	NEC LOAD
E = EQUIPMENT	109458 VA	1.00	109458 VA
H = ELECTRIC HEAT	0 VA	1.00	0 VA
K = KITCHEN	0 VA	1.00	0 VA
L = LIGHTING	29868 VA	1.25	37335 VA
M = MOTOR	12636 VA	1.00	12636 VA
M = LARGEST MOTOR	17451 VA	1.25	21814 VA
R = RECEPTACLE	23580 VA	NEC DEMAND	16790 VA
EL = ELEVATOR	0 VA	1.00	0 VA

CONNECTED LOAD SUMMARY
192993 VA
232 A

NEC LOAD SUMMARY
198033 VA
238 A

AHB

BUSSING: 225A, 14,000 AIC SYMMETRICAL — LOCATION: ELECTRICAL ROOM
MAIN: MLO — MOUNTING: SURFACE
277/480V, 3 PHASE, 4 WIRE — 100% RATED NEUTRAL + GROUND

TYPE	DESCRIPTION	LOAD	DEVICE	CKT	A	B	C	CKT	DEVICE	LOAD	DESCRIPTION	TYPE
L	SERRA 107 - LIGHTING	900	20/1	1	●			2	20/1	500	LEVEL 1 - LIGHTING CTRL	E
L	SERRA 107 - LIGHTING	900	20/1	3		●		4	20/1	2592	SERRA 107 - LIGHTING	L
L	SERRA 107 - LIGHTING	900	20/1	5			●	6	20/1	2592	SERRA 107 - LIGHTING	L
E	***(E) EXISTING LOAD***	1000	20/1	7	●			8	20/1		SPARE	
L	SIGN LIGHTING - MAIN ENTRY	329.4	20/1	9		●		10	20/1	1312	STORAGE 107,108, RESTROOMS	L
L	PLAZA - LANDSCAPE	675.9	20/1	11			●	12	20/1	1116	SERRA 107 - LIGHTING	L
L	PLAZA - ALVARADO MALL POLES	1400	20/1	13	●			14	20/1	1000	***(E) EXISTING LOAD***	E
	SPARE		20/1	15		●		16	20/1		SPARE	
	SPARE (WAS LIGHTS)		20/1	17			●	18	20/1		SPARE	
E	***(E) EXISTING LOAD***	1000	20/1	19	●			20	15/3		SPARE	
	SPACE			21		●		22	"		"	
	SPACE			23			●	24	"		"	
	SPACE			25	●			26	15/3		SPARE	
	SPACE			27		●		28	"		"	
	SPACE			29			●	30	"		"	

(Revision 1)

TOTAL ALL PHASES (VA)	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	TOTAL ALL PHASES (AMPS)
16217.7	5800	5133.8	5283.9	20

LOAD SUMMARY BY TYPE	CONN. LOAD	DEMAND FACTOR	NEC LOAD
E = EQUIPMENT	3500 VA	1.00	3500 VA
H = ELECTRIC HEAT	0 VA	1.00	0 VA
K = KITCHEN EQUIPMENT	0 VA	1.00	0 VA
L = LIGHTING	12718 VA	1.25	15897 VA
M = MOTOR	0 VA	1.00	0 VA
M = LARGEST MOTOR		1.25	0 VA
R = RECEPTACLE	0 VA	NEC DEMAND	0 VA

CONNECTED LOAD SUMMARY
16218 VA
20 AMPS

NEC LOAD SUMMARY
19397 VA
23 AMPS

CHB	BHA	AHC	MSBH
CMCC	BHB	AHD	MSBL
EBHA	CHA	AHE	AHA
ECHA		AMCC	AHB

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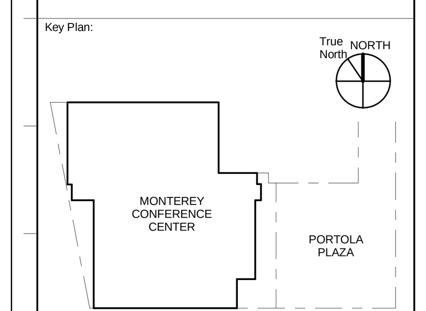
	BID SET	26 AUG 2015
1	ADDENDUM 1	11 SEPT 2015

Key Plan:



Seal & Signature:
REGISTERED PROFESSIONAL ENGINEER — AMANDA J. BROWNLEE — No. E17287 — ELECTRICAL — STATE OF CALIFORNIA

Sheet Name:
ELECTRICAL SCHEDULES

Project No.: Project Number
Drawn By: Author
Checked By: Checker
Scale: 12" = 1'-0"
Sheet No.: E0.04

Approved as to Form CAO RISK

CLA (1)

BUSSING: 400A, 10,000 AIC SYMMETRICAL
MAIN: MLO (FEED THROUGH LUGS)
LOCATION: ELECTRICAL ROOM
MOUNTING: SURFACE
120/208V, 3 PHASE, 4 WIRE
100% RATED NEUTRAL + GROUND

TYPE	DESCRIPTION	LOAD	DEVICE	CKT	A	B	C	CKT	DEVICE	LOAD	DESCRIPTION	TYPE
E	***(E) EXISTING LOAD***	1000	20/1	1	●			2	20/1		SPARE	
E	***(E) EXISTING LOAD***	1000	20/1	3		●		4	20/1	2004	HOT BANQUET CABINET	K
R	PREFUNC 302 - DEDICATED	180	20/1	5			●	6	20/1	2004	HOT BANQUET CABINET	K
R	PREFUNC 302 - SIGN/KIOSK POWER	900	20/1	7	●			8	20/1	180	SERVICE RM 309 CONV REC	R
R	PREFUNC 302 - SIGN/KIOSK POWER	900	20/1	9		●		10	20/1	180	SERVICE RM 309 CONV REC	R
R	PREFUNC 302 - SIGN/KIOSK POWER	900	20/1	11			●	12	20/1	2004	SERVICE 309 HOT BANQUET CAB	K
R	PREFUNC 302 - SIGN/KIOSK POWER	900	20/1	13	●			14	20/1	2004	SERVICE 309 HOT BANQUET CAB	K
R	PREFUNC 302 - SIGN/KIOSK POWER	900	20/1	15		●		16	20/1		SPARE	
R	PREFUNC 302 - SIGN/KIOSK POWER	900	20/1	17			●	18	30/2	2475	SERVICE 309 ICE MACHINE	K
R	LEVEL 2 - ESC PIT LIGHT/REC	386	20/1	19	●			20	"	2475	"	K
M	PRE 303 - MOTORIZED SHADES	1000	20/1	21		●		22	20/1	180	SERVICE RM 309 CONV REC	R
M	PRE 303 - MOTORIZED SHADES	1000	20/1	23			●	24	20/1	696	SERVICE 309 REACH IN COOLER	K
M	PRE 303 - MOTORIZED SHADES	1000	20/1	25	●			26	20/1	1200	SERVICE 309 HEAT LAMPS	L
E	MDF 305 - EPSMS	500	20/1	27		●		28	20/1	1200	SERVICE 309 HEAT LAMPS	L
E	PRE 302 - EWC	500	20/1	29			●	30	20/1	1200	SERVICE 309 HEAT LAMPS	L
R	STOR 311A	360	20/1	31	●			32	20/1	1200	SERVICE 309 HEAT LAMPS	L
R	PREFUNC 302 - SIGN/KIOSK POWER	360	20/1	33		●		34	20/1	1080	SERVICE 309 CONV	R
	SPARE		20/1	35			●	36	20/1	500	***(E) IRRIGATION CONTROLLER***	E
	SPARE		20/1	37	●			38	40/3	3552	SERVICE 309 - COFFEE MAKER	K
E	LEVEL 2 EXTERIOR - T/C MEDIA CONN	360	20/1	39		●		40	"	3552	"	K
E	ROOF - T/C ENCLOSURE	360	20/1	41			●	42	"	3552	"	K

TOTAL ALL PHASES (VA)	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	TOTAL ALL PHASES (AMPS)
44644	15157	13216	16271	124

CLA (2)

BUSSING: 400A, 10,000 AIC SYMMETRICAL
MAIN: MLO
LOCATION: ELECTRICAL ROOM
MOUNTING: SURFACE
120/208V, 3 PHASE, 4 WIRE
100% RATED NEUTRAL + GROUND

TYPE	DESCRIPTION	LOAD	DEVICE	CKT	A	B	C	CKT	DEVICE	LOAD	DESCRIPTION	TYPE
R	***(E) COLTON ROOMS 306, 307, 308***	1620	20/1	43	●			44	20/1		SPARE (WAS RECEPTS)	
R	***(E) COLTON ROOMS 306, 307, 308***	540	20/1	45		●		46	20/1		***(E) STEINBECK PREFUNCTION NORTH***	R
L	***(E) EXISTING TERRACE LIGHTS***		20/1	47			●	48	20/1		***(E) STEINBECK PREFUNCTION NORTH***	R
L	***(E) EXISTING TERRACE LIGHTS***		20/1	49	●			50	20/1		***(E) STEINBECK PREFUNCTION NORTH***	R
	SPARE (WAS PLANTER LTS)		20/1	51		●		52	20/1		SPARE (WAS LTS)	
L	***(E) EXISTING TERRACE LIGHTS***		20/1	53			●	54	20/1	180	PREFUNC 303 - DEDICATED	R
L	***(E) EXISTING TERRACE LIGHTS***		20/1	55	●			56	20/1	1000	***(E) EXISTING LOAD***	E
L	***(E) EXISTING TERRACE LIGHTS***		20/1	57		●		58	20/1	180	MEETING ROOM 306 - DEDICATED	R
L	***(E) PLANTER LIGHTS***	1000	20/1	59			●	60	20/1	180	MEETING ROOM 308 - DEDICATED	R
E	***(E) EXISTING LOAD***	1000	20/1	61	●			62	20/1	180	MEETING ROOM 308 - DEDICATED	R
E	***(E) EXISTING LOAD***	1000	20/1	63		●		64	20/1	180	MEETING ROOM 308 - DEDICATED	R
L	***(E) WEST PLANTER LTS***	1000	20/1	65			●	66	20/1		***(E) ROOF EXHAUST FANS***	M
L	***(E) WEST PLANTER LTS***	1000	20/1	67	●			68	20/1	1000	***(E) ENTRANCE CURTAINS***	E
	SPARE (WAS PLANTER LTS)		20/1	69		●		70	20/1	180	MEETING ROOM 308 - DEDICATED	R
	SPARE (WAS LTS)		20/1	71			●	72	20/1	180	MEETING ROOM 308 - DEDICATED	R
E	HUB-CA	500	20/1	73	●			74	20/1	180	MEETING ROOM 308 - DEDICATED	R
R	***(E) PLUGS OUTSIDE BENCHES NO***	1000	20/1	75		●		76	20/1	180	MEETING ROOM 308 - DEDICATED	R
	SPARE (WAS LTS)		20/1	77			●	78	20/1	180	MEETING ROOM 308 - DEDICATED	R
E	***(E) ENTRANCE CURTAINS***	1000	20/1	79	●			80	225/3	6305	PANEL CLC	E
	SPARE (WAS LTS)		20/1	81		●		82	"	8097	"	E
E	***(E) EXISTING LOAD***	1000	20/1	83			●	84	"	5421	"	E

TOTAL ALL PHASES (VA)	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	TOTAL ALL PHASES (AMPS)
34283	13785	11357	9141	95

LOAD SUMMARY BY TYPE	CONN. LOAD	DEMAND FACTOR	NEC LOAD
E = EQUIPMENT	16618 VA	1.00	16618 VA
H = ELECTRIC HEAT	0 VA	1.00	0 VA
K = KITCHEN EQUIPMENT	24318 VA	0.65	15807 VA
L = LIGHTING	7800 VA	1.25	9750 VA
M = MOTOR	4544 VA	1.00	4544 VA
M = LARGEST MOTOR		1.25	0 VA
R = RECEPTACLE	25647 VA	NEC DEMAND	17824 VA

CONNECTED LOAD SUMMARY
78927 VA
219 AMPS

NEC LOAD SUMMARY
64542 VA
179 AMPS

CLB

BUSSING: 225A, 10,000 AIC SYMMETRICAL
MAIN: MLO
LOCATION: ELECTRICAL ROOM
MOUNTING: SURFACE
120/208V, 3 PHASE, 4 WIRE
100% RATED NEUTRAL + GROUND

TYPE	DESCRIPTION	LOAD	DEVICE	CKT	A	B	C	CKT	DEVICE	LOAD	DESCRIPTION	TYPE
E	TELECOM RACKS POWER	900	30/2	1	●			2	20/1	180	TELECOM RACKS POWER	E
E	"	900	"	3		●		4	20/1	180	TELECOM RACKS POWER	E
E	TELECOM RACKS POWER	900	30/2	5			●	6	20/1	180	TELECOM RACKS POWER	E
E	"	900	"	7	●			8	20/1	180	TELECOM RACKS POWER	E
E	TELECOM RACKS POWER	900	30/2	9		●		10	20/1	180	TELECOM RACKS POWER	E
E	"	900	"	11			●	12	20/1	180	TELECOM RACKS POWER	E
E	TELECOM RACKS POWER	900	30/2	13	●			14	20/1		SPARE	
E	"	900	"	15		●		16	20/1		SPARE	
E	TELECOM RACKS POWER	900	30/2	17			●	18	20/1		SPARE	
E	"	900	"	19	●			20	20/1		SPARE	
E	TELECOM RACKS POWER	900	30/2	21		●		22	20/1		SPARE	
E	"	900	"	23			●	24	20/1		SPARE	
E	TELECOM RACKS POWER	900	30/2	25	●			26	20/1		SPARE	
E	"	900	"	27		●		28	20/1		SPARE	
E	TELECOM RACKS POWER	900	30/2	29			●	30	20/1		SPARE	
E	"	900	"	31	●			32	20/1		SPARE	
E	TELECOM RACKS POWER	900	30/2	33		●		34	20/1		SPARE	
E	"	900	"	35			●	36	20/1		SPARE	
E	TELECOM RACKS POWER	900	30/2	37	●			38	20/1		SPARE	
E	"	900	"	39		●		40	20/1		SPARE	
E	TELECOM RACKS POWER	900	30/2	41			●	42	20/1		SPARE	
E	"	900	"	43	●			44	20/1		SPARE	
E	TELECOM RACKS POWER	900	30/2	45		●		46	20/1		SPARE	
E	"	900	"	47			●	48	20/1		SPARE	
E	TELECOM RACKS POWER	180	20/1	49	●			50	20/1	720	TELECOM ROOM REC	R
E	TELECOM RACKS POWER	180	20/1	51		●		52	20/1	720	TELECOM ROOM REC	R
E	TELECOM RACKS POWER	180	20/1	53			●	54			SPACE	
E	TELECOM RACKS POWER	180	20/1	55	●			56			SPACE	
E	TELECOM RACKS POWER	180	20/1	57		●		58			SPACE	
E	TELECOM RACKS POWER	180	20/1	59			●	60			SPACE	

TOTAL ALL PHASES (VA)	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	TOTAL ALL PHASES (AMPS)
25200	8640	8640	7920	70

LOAD SUMMARY BY TYPE	CONN. LOAD	DEMAND FACTOR	NEC LOAD
E = EQUIPMENT	23760 VA	1.00	23760 VA
H = ELECTRIC HEAT	0 VA	1.00	0 VA
K = KITCHEN EQUIPMENT	0 VA	1.00	0 VA
L = LIGHTING	0 VA	1.25	0 VA
M = MOTOR	0 VA	1.00	0 VA
M = LARGEST MOTOR		1.25	0 VA
R = RECEPTACLE	1440 VA	NEC DEMAND	1440 VA

CONNECTED LOAD SUMMARY
25200 VA
70 AMPS

NEC LOAD SUMMARY
25200 VA
70 AMPS

BLA

BUSSING: 225A, 10,000 AIC SYMMETRICAL
MAIN: MLO
LOCATION: ELECTRICAL ROOM
MOUNTING: SURFACE
120/208V, 3 PHASE, 4 WIRE
100% RATED NEUTRAL + GROUND

TYPE	DESCRIPTION	LOAD	DEVICE	CKT	A	B	C	CKT	DEVICE	LOAD	DESCRIPTION	TYPE
R	MECH 220, 221, 202	720	20/1	1	●			2	20/1	386	LEVEL 1 - ESC PIT LIGHT/REC	E
E	MECH 220 - BMS	500	20/1	3		●		4	20/1	360	***(E) MEZZ RECEPTACLES***	R
E	MECH 221 - BMS	500	20/1	5			●	6	20/1	360	***(E) BATHROOM RECEPTS***	R
E	MEZZ - ESC PIT LIGHT/REC	386	20/1	7	●			8	20/1	360	LOBBY 101 - KIOSK/SIGN POWER	R
	SPARE	0	20/1	9		●		10	20/1	540	LEVEL 1 - BATHROOM 103, 104	R
E	***(E) EXISTING LOAD***	1000	20/1	11			●	12	20/1		SPARE	
E	LOBBY 101 - EWC	500	20/1	13	●			14	20/1	386	MEZZ - ESC PIT LIGHT/REC	E
R	LOBBY 101 - KIOSK/SIGN POWER	360	20/1	15		●		16	20/1	360	MEZZ 201 - KIOSK/SIGN POWER	R
E	LOBBY 101 - AUTO DOOR POWER	1200	20/1	17			●	18	20/1	360	MEZZ 201 - KIOSK/SIGN POWER	R
E	LOBBY 101 - AUTO DOOR POWER	1200	20/1	19	●			20	20/1	180	MEZZ 201 - KIOSK/SIGN POWER	R
	SPARE	0	20/1	21		●		22	20/1	1080	OFFICE 206 REC	R
E	LRC-BA	500	20/1	23			●	24	20/1	1080	OFFICE 206 REC	R
E	MECH 101A - BMS	500	20/1	25	●			26	20/1	900	OFFICE 206 REC	R
E	SERRA EAST 107 - DOOR RELEASE	300	20/1	27		●		28	20/1	1080	OFFICE 206 REC	R
	SPARE	0	20/1	29			●	30	20/1	720	PANTRY/STORAGE 206 REC	R
	SPARE	0	20/1	31	●			32	20/1	180	PANTRY 206 - REF	R
	SPARE	0	20/1	33		●		34	20/1	1000	OFFICE 206 COPIER	E
E	ELEV-1 - PIT LIGHT/REC	200	20/1	35			●	36	20/1	540	OFFICE 206, 206E	R
	SPACE	0		37	●			38	20/1	1000	PANTRY 206E - COPIER	E
	SPACE	0		39		●		40	20/1	800	PANTRY 206E - GARB DISPOSAL	E
	SPACE	0		41			●	42			SPACE	

TOTAL ALL PHASES (VA)	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	TOTAL ALL PHASES (AMPS)
19538	6698	6380	6460	54

LOAD SUMMARY BY TYPE	CONN. LOAD	DEMAND FACTOR	NEC LOAD
E = EQUIPMENT	10358 VA	1.00	10358 VA
H = ELECTRIC HEAT	0 VA	1.00	0 VA
K = KITCHEN EQUIPMENT	0 VA	1.00	0 VA
L = LIGHTING	0 VA	1.25	0 VA
M = MOTOR	0 VA	1.00	0 VA
M = LARGEST MOTOR		1.25	0 VA
R = RECEPTACLE	9180 VA	NEC DEMAND	9180 VA

CONNECTED LOAD SUMMARY
19538 VA
54 AMPS

NEC LOAD SUMMARY
19538 VA
54 AMPS

(E) BLB

BUSSING: 100A,
MAIN: MLO
LOCATION: ELECTRICAL ROOM
MOUNTING: SURFACE
120/208V, 3 PHASE, 4 WIRE
100% RATED NEUTRAL + GROUND

TYPE	DESCRIPTION	LOAD	DEVICE	CKT	A	B	C	CKT	DEVICE	LOAD	DESCRIPTION	TYPE
R	***(E) ELEV RM PLUGS***	180	***20/1***	1	●			2		0	***SPACE***	
R	***(E) ROOM 215 REC***	360	***20/1***	3		●		4	***20/1***	1000	***(E) VAULT LIGHT& POWER***	R
R	***(E) ROOM 215 REC***	360	***20/1***	5			●	6	***20/1***	180	***(E) ELEC/TELE RM 211-12 REC***	R
R	***(E) ROOM 215 REC***	540	***20/1***	7	●			8	***20/1***	1000	***(E) EXISTING LOAD***	E
M	***(E) EF-17***	1176	***20/1***	9		●		10	***20/1***	100	***(E) CP-1***	M
M	***(E) EF-11, EF-22***	1392	***20/1***	11			●	12	***20/1***	100	***(E) CP-2***	M
R	STORAGE 216	180	20/1	13	●			14	***20/1***	100	***(E) CP-3***	M
R	STORAGE 216	180	20/1	15		●		16	***50/3***	1000	***(E) MAINT OFFICE LOAD***	E
	SPACE			17			●	18	***"***	1000	"	E
E	PANEL BLC	6070	50/3	19	●			20	***"***	1000	"	E
E	***"***	5722	"	21		●		22	***20/1***	1000	***(E) PUMPS***	M
E	***"***	6126	"	23			●	24	***20/1***	1000	***(E) CONTROL BOX & PLUGS***	E

TOTAL ALL PHASES (VA)	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	TOTAL ALL PHASES (AMPS)
29766	9070	10538	10158	83

LOAD SUMMARY BY TYPE	CONN. LOAD	DEMAND FACTOR	NEC LOAD
E = EQUIPMENT	7314 VA	1.00	7314 VA
H = ELECTRIC HEAT	0 VA	1.00	0 VA
K = KITCHEN EQUIPMENT	0 VA	1.00	0 VA
L = LIGHTING	0 VA	1.25	0 VA
M = MOTOR	16592 VA	1.00	16592 VA
M = LARGEST MOTOR	2880 VA	1.25	3600 VA
R = RECEPTACLE	2980 VA	NEC DEMAND	2980 VA

CONNECTED LOAD SUMMARY
29766 VA
83 AMPS

NEC LOAD SUMMARY
30486 VA
85 AMPS

BLC

BUSSING: 100A, 10,000 AIC SYMMETRICAL
MAIN: MLO
LOCATION: ELECTRICAL ROOM
MOUNTING: SURFACE
120/208V, 3 PHASE, 4 WIRE
100% RATED NEUTRAL + GROUND

TYPE	DESCRIPTION	LOAD	DEVICE	CKT	A	B	C	CKT	DEVICE	LOAD	DESCRIPTION	TYPE
M	EAF-1	2880	30/1	1	●			2	20/2	38	CU-1	M
M	ACU-1	28	20/2	3		●		4	"	38	"	M
M	"	28	"	5			●	6	20/2	38	CU-2	M
M	ACU-2	28	20/2	7	●			8	"	38	"	M
M	"	28	"	9		●		10	20/2	38	CU-3	M
M	ACU-3	28	20/2	11			●	12	"	38	"	M
M	"	28	"	13	●			14	20/1	500	SHOPS 213A - BMS	E
M	EF-26	864	20/1	15		●		16	20/1	570	ELEC 211, 112B, 305, MECH 218, CP-1	E
M	EF-13	830	20/1	17			●	18	20/1	696	EF-27	M
	SPARE		20/1	19	●			20	20/1		SPARE	
M	EF-25	830	20/1	21		●		22	20/1	240	TF-1	M
M	EF-2	1176	20/1	23			●	24	20/1	744	GWH-1	E
	SPARE		20/1	25	●			26	20/2	38	CU-4	M
M	ACU-4	28	20/2	27		●		28	"	38	"	M
M	"	28	"	29			●	30	20/1		SPARE	
	SPARE		20/1	31	●			32	20/1		SPARE	
	SPARE		20/1	33		●		34	20/1	500	HUB-BA	E
	SPARE		20/1	35			●	36	20/1		SPARE	
M	VERTICAL BI-FOLD DOOR AT STAGE	2520	30/3	37	●			38			SPACE	
M	"	2520	"	39		●		40			SPACE	
M	"	2520	"	41			●	42			SPACE	

TOTAL ALL PHASES (VA)	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	TOTAL ALL PHASES (AMPS)
17918	6070	5722	6126	50

LOAD SUMMARY BY TYPE	CONN. LOAD	DEMAND FACTOR	NEC LOAD
E = EQUIPMENT	2314 VA	1.00	2314 VA
H = ELECTRIC HEAT	0 VA	1.00	0 VA
K = KITCHEN EQUIPMENT	0 VA	1.00	0 VA
L = LIGHTING	0 VA	1.25	0 VA
M = MOTOR	8044 VA	1.00	8044 VA
M = LARGEST MOTOR	7560 VA	1.25	9450 VA
R = RECEPTACLE	0 VA	NEC DEMAND	0 VA

CONNECTED LOAD SUMMARY
17918 VA
50 AMPS

NEC LOAD SUMMARY
19808 VA
55 AMPS

ALD (1)

BUSSING: 800A, 10,000 AIC SYMMETRICAL
MAIN: MLO W/ FEED THROUGH LUGS
LOCATION: ELECTRICAL ROOM
MOUNTING: SURFACE
120/208V, 3 PHASE, 4 WIRE
100% RATED NEUTRAL + GROUND

TYPE	DESCRIPTION	LOAD	DEVICE	CKT	A	B	C	CKT	DEVICE	LOAD	DESCRIPTION	TYPE
E	***(E) SERRA 108 - CABLE REEL***	1000	100/3	1	●			2	100/3	1000	***(E) SERRA 108 - CABLE REEL***	E
E	***"***	1000	"	3		●		4	"	1000	***"***	E
E	***"***	1000	"	5			●	6	"	1000	***"***	E
E	***(E) SERRA 108 - CABLE REEL***	1000	100/3	7	●			8	100/3	1000	***(E) SERRA 108 - CABLE REEL***	E
E	***"***	1000	"	9		●		10	"	1000	***"***	E
E	***"***	1000	"	11			●	12	"	1000	***"***	E
E	***(E) SERRA 108 - CABLE REEL***	1000	100/3	13	●			14	100/3	1000	***(E) SERRA 108 - CABLE REEL***	E
E	***"***	1000	"	15		●		16	"	1000	***"***	E
E	***"***	1000	"	17			●	18	"	1000	***"***	E
	SPARE (WAS SERRA SOUTH)		50/3	19	●			20	50/3		SPARE (WAS SERRA SOUTH)	
	"		"	21		●		22	"		"	
	"		"	23			●	24	"		"	
R	SERRA 108 - SOUTH DEDICATED	180	20/1	25	●			26	50/3		SPARE (WAS SERRA WEST)	
R	SERRA 108 - SOUTH DEDICATED	180	20/1	27		●		28	"		"	
	SPARE (WAS SERRA - WEST WALL)		20/1	29			●	30	"		"	
R	SERRA 108 - WEST DEDICATED	180	20/1	31	●			32	20/1	180	SERRA 108 - NORTH DEDICATED	R
	SPARE (WAS SERRA - WEST WALL)		20/1	33		●		34	20/1	180	SERRA 108 - NORTH DEDICATED	R
R	***(E) DRESS RM 109A - SOUTH***	900	20/1	35			●	36	20/1	180	SERRA 108 - WEST DEDICATED	R
R	SERRA 108 - WEST DEDICATED	180	20/1	37	●			38	20/1	180	SERRA 108 - WEST DEDICATED	R
R	***(E) DRESS RM 109C - NORTH***	540	20/1	39		●		40	20/1	500	***(E) SERRA - PROJECTION SCREEN***	E
R	SERRA 108 - WEST DEDICATED	180	20/1	41			●	42	20/1	180	***(E) ELEV PIT LIGHTS***	L
R	***(E) ELEV PIT RECEPT***	540	20/1	43	●			44	20/1	1000	***(E) EXISTING LOAD***	E
R	LOBBY 102	360	20/1	45		●		46	20/1	1000	***(E) EXISTING LOAD***	E
E	LOBBY 102 - EWC	500	20/1	47			●	48	30/3	1000	SERRA 108 - STAGE	E
R	***(E) EXISTING LOAD***	1000	20/1	49	●			50	"	1000	"	E
R	***(E) SERRA 108 - CEILING***	180	20/1	51		●		52	"	1000	"	E
R	***(E) SERRA 108 - CEILING***	180	20/1	53			●	54	20/1	180	***(E) SERRA 108 - CEILING***	R
R	***(E) SERRA 108 - CEILING***	180	20/1	55	●			56	20/1	180	***(E) SERRA 108 - CEILING***	R
	SPACE			57		●		58	20/1	180	***(E) SERRA 108 - CEILING***	R
	SPACE			59			●	60			SPACE	

TOTAL ALL PHASES (VA)	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	TOTAL ALL PHASES (AMPS)
30220	10800	10120	9300	84

ALD (2)

BUSSING: 800A, 10,000 AIC SYMMETRICAL
MAIN: MLO
LOCATION: ELECTRICAL ROOM
MOUNTING: SURFACE
120/208V, 3 PHASE, 4 WIRE
100% RATED NEUTRAL + GROUND

TYPE	DESCRIPTION	LOAD	DEVICE	CKT	A	B	C	CKT	DEVICE	LOAD	DESCRIPTION	TYPE
R	LOBBY 102 - SIGN/KIOSK POWER	360	20/1	61	●			62	20/1	500	MECH 210 - IRRIGATION CTRL	E
R	LOBBY 102 - SIGN/KIOSK POWER	360	20/1	63		●		64	20/1	180	RESTROOM - WEST	R
R	LOBBY 102 - WALL BOX	1000	30/3	65			●	66	20/1	1200	SERRA 108 - LIFT	E
R	"	1000	"	67	●			68	200/3	1000	***(E) EXISTING LOAD***	E
R	"	1000	"	69		●		70	"	1000	***"***	E
R	SERRA STAGE - DEDICATED REC	180	20/1	71			●	72	"	1000	***"***	E
E	***(E) EXISTING LOAD***	1000	100/3	73	●			74	20/1		SPARE	
E	***"***	1000	"	75		●		76	20/1		SPARE	
E	***"***	1000	"	77			●	78	20/1		SPARE	
R	SERRA 108 - WEST	1000	30/3	79	●			80	20/1		SPARE	
R	"	1000	"	81		●		82	20/1		SPARE	
R	"	1000	"	83			●	84	20/1		SPARE	
R	SERRA 108 - WEST	1000	30/3	85	●			86	20/1		SPARE	
R	"	1000	"	87		●		88	20/1		SPARE	
R	"	1000	"	89			●	90	20/1		SPARE	
R	SERRA 108 - WEST DEDICATED REC	180	20/1	91	●			92	30/3	1000	SERRA 108 - NORTH	R
R	SERRA 108 - WEST	1000	30/3	93		●		94	"	1000	"	R
R	"	1000	"	95			●	96	"	1000	"	R
R	"	1000	"	97	●			98	30/3	1000	SERRA 108 - SOUTH	R
R	SERRA 108 - WEST DEDICATED REC	180	20/1	99		●		100	"	1000	"	R
R	SERRA 108 - SOUTH DEDICATED REC	180	20/1	101			●	102	"	1000	"	R
R	SERRA 108 - SOUTH DEDICATED REC	180	20/1	103	●			104	30/3	1000	SERRA 108 - SOUTH	R
R	SERRA 108 - SOUTH	1000	30/3	105		●		106	"	1000	"	R
R	"	1000	"	107			●	108	"	1000	"	R
R	"	1000	"	109	●			110	200/3	5000	SERRA 108 - COMPANY SWITCH	E
E	SERRA 108 - DOOR RELEASE	500	20/1	111		●		112	"	5000	"	E
	SPACE			113			●	114	"	5000	"	E
	SPACE			115	●			116	200/3	5000	SERRA 108 - COMPANY SWITCH	E
	SPACE			117		●		118	"	5000	"	E
	SPACE			119			●	120	"	5000	"	E

TOTAL ALL PHASES (VA)	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	TOTAL ALL PHASES (AMPS)
64000	21220	21220	21560	178

LOAD SUMMARY BY TYPE	CONN. LOAD	DEMAND FACTOR	NEC LOAD
E = EQUIPMENT	62200 VA	1.00	62200 VA
H = ELECTRIC HEAT	0 VA	1.00	0 VA
K = KITCHEN EQUIPMENT	0 VA	1.00	0 VA
L = LIGHTING	180 VA	1.25	225 VA
M = MOTOR	0 VA	1.00	0 VA
M = LARGEST MOTOR		1.25	0 VA
R = RECEPTACLE	31840 VA	NEC DEMAND	20920 VA

CONNECTED LOAD SUMMARY
94220 VA
262 AMPS

NEC LOAD SUMMARY
83345 VA
232 AMPS

ALG

BUSSING: 100A, 10,000 AIC SYMMETRICAL
MAIN: MLO
LOCATION: ELECTRICAL ROOM
MOUNTING: SURFACE
120/208V, 3 PHASE, 4 WIRE
100% RATED NEUTRAL + GROUND

TYPE	DESCRIPTION	LOAD	DEVICE	CKT	A	B	C	CKT	DEVICE	LOAD	DESCRIPTION	TYPE
E	TELECOM RACKS POWER	900	30/2	1	●			2	20/1	180	TELECOM RACKS POWER	R
E	"	900	"	3		●		4	20/1	180	TELECOM RACKS POWER	R
E	TELECOM RACKS POWER	900	30/2	5			●	6	20/1	180	TELECOM RACKS POWER	R
E	"	900	"	7	●			8	20/1	180	TELECOM RACKS POWER	R
E	TELECOM RACKS POWER	900	30/2	9		●		10	20/1	180	TELECOM RACKS POWER	R
E	"	900	"	11			●	12	20/1	180	TELECOM RACKS POWER	R
E	TELECOM RACKS POWER	900	30/2	13	●			14	20/1	180	TELECOM RACKS POWER	R
E	"	900	"	15		●		16	20/1	180	TELECOM RACKS POWER	R
E	TELECOM RACKS POWER	900	30/2	17			●	18	20/1	0	SPARE	
E	"	900	"	19	●			20	20/1	0	SPARE	
E	TELECOM RACKS POWER	900	30/2	21		●		22	20/1	0	SPARE	
E	"	900	"	23			●	24	20/1	0	SPARE	
E	TELECOM RACKS POWER	900	30/2	25	●			26	20/1	0	SPARE	
E	"	900	"	27		●		28	20/1	0	SPARE	
E	TELECOM RACKS POWER	900	30/2	29			●	30	20/1	0	SPARE	
E	"	900	"	31	●			32	20/1	0	SPARE	
E	LEVEL 1 NORTH - DOOR RELEASE	450	20/1	33		●		34	20/1	0	SPARE	
	SPARE		20/1	35			●	36	20/1	1080	TELECOM ROOM REC	R
	SPACE			37	●			38			SPACE	
	SPACE			39		●		40			SPACE	
	SPACE			41			●	42			SPACE	

TOTAL ALL PHASES (VA)	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	TOTAL ALL PHASES (AMPS)
17370	5940	5490	5940	48

LOAD SUMMARY BY TYPE	CONN. LOAD	DEMAND FACTOR	NEC LOAD
E = EQUIPMENT	14850 VA	1.00	14850 VA
H = ELECTRIC HEAT	0 VA	1.00	0 VA
K = KITCHEN EQUIPMENT	0 VA	1.00	0 VA
L = LIGHTING	0 VA	1.25	0 VA
M = MOTOR	0 VA	1.00	0 VA
M = LARGEST MOTOR		1.25	0 VA
R = RECEPTACLE	2520 VA	NEC DEMAND	2520 VA

CONNECTED LOAD SUMMARY
17370 VA
48 AMPS

NEC LOAD SUMMARY
17370 VA
48 AMPS

SHEET NOTES:

A. REPLACE (E) BREAKER FEEDING THIS PANEL WITH NEW, VERIFY SIZE IN FIELD.

(E) ALA

BUS AMPACITY: 600A — 120/208V, 3 PHASE, 4 WIRE — LOCATION: ELECTRICAL ROOM
MAIN: 600A/3P — AIC RMS: EXISTING

CIRCUIT	LOAD SERVED	DEVICE RATING	LOAD (VA)	REMARKS
1	***SPARE***	***50AT/100AF***	0	
2	***(E) PANEL ALB***	***100AT/100AF***	80,620	
3	***(E) STAIR CONV.***	***20A/1P***	180	
4	***(E) PHONE BOARD***	***20A/1P***	360	
5	***SPARE***	***20A/1P***	0	
6	***(E) FIRE COMMAND***	***20A/1P***	180	
7	***(E) FIRE COMMAND***	***20A/1P***	180	
8	***SPARE***	***100AT/100AF***	0	
9	***(E) PANEL BLA***	***100AT/100AF***	19,538	
10	PANEL ALC	150AT/225AF	24,480	
11	***SPACE***		0	
12	***SPACE***		0	
		TOTAL	125,538	

LOAD SUMMARY BY TYPE	CONNECTED LOAD	DEMAND FACTOR	NEC LOAD
E = EQUIPMENT	99958 VA	1.00	99958 VA
H = ELECTRIC HEAT	0 VA	1.00	0 VA
K = KITCHEN	0 VA	1.00	0 VA
L = LIGHTING	2000 VA	1.25	2500 VA
M = MOTOR	0 VA	1.00	0 VA
M = LARGEST MOTOR		1.25	0 VA
R = RECEPTACLE	23580 VA	NEC DEMAND	16790 VA
EL = ELEVATOR	0 VA	1.00	0 VA

CONNECTED LOAD SUMMARY
125538 VA
349 A

NEC LOAD SUMMARY
119248 VA
331 A

ALB (1)

BUSSING: 800A, 10,000 AIC SYMMETRICAL
MAIN: MLO (FEED THROUGH LUGS)
LOCATION: ELECTRICAL ROOM
MOUNTING: SURFACE
120/208V, 3 PHASE, 4 WIRE
100% RATED NEUTRAL + GROUND

TYPE	DESCRIPTION	LOAD	DEVICE	CKT	A	B	C	CKT	DEVICE	LOAD	DESCRIPTION	TYPE
E	***(E) SERRA - CABLE REEL***	1000	100/3	1	●			2	100/3	1000	***(E) SERRA - CABLE REEL***	E
E	***"***	1000	"	3		●		4	"	1000	***"***	E
E	***"***	1000	"	5			●	6	"	1000	***"***	E
E	***(E) SERRA - CABLE REEL***	1000	100/3	7	●			8	100/3	1000	***(E) SERRA - CABLE REEL***	E
E	***"***	1000	"	9		●		10	"	1000	***"***	E
E	***"***	1000	"	11			●	12	"	1000	***"***	E
E	***(E) SERRA - CABLE REEL***	1000	100/3	13	●			14	100/3	1000	***(E) SERRA - CABLE REEL***	E
E	***"***	1000	"	15		●		16	"	1000	***"***	E
E	***"***	1000	"	17			●	18	"	1000	***"***	E
	SPARE (WAS RECEPT EAST)		20/1	19	●			20	20/1	720	CONF RM LOBBY 102 - SIGN/KIOSK	R
	"		20/1	21		●		22	20/1		SPARE	
	"		20/1	23			●	24	20/1		SPARE	
R	SERRA 100 - NORTH DEDICATED	180	20/1	25	●			26	NOTE A	8720	PANEL L	E
R	SERRA 100 - NORTH DEDICATED	180	20/1	27		●		28	"	9720	"	E
R	SERRA 100 - EAST DEDICATED	180	20/1	29			●	30	"	8680	"	E
R	SERRA 100 - EAST DEDICATED	180	20/1	31	●			32	20/1	180	SERRA 100 - EAST DEDICATED	R
R	SERRA 108 - SOUTH DEDICATED	180	20/1	33		●		34	30/3	1000	MAIN LOBBY 101 - SPEC REC	E
R	SERRA 107 - SOUTH DEDICATED	180	20/1	35			●	36	"	1000	"	E
R	***(E) STORAGE 108F***	360	20/1	37	●			38	"	1000	"	E
E	***(E) RESTROOM - SOUTH - EWC***	500	20/1	39		●		40	20/1	1000	***(E) EXISTING LOAD***	E
R	***(E) EAST/WEST HALL 107A, 108A***	900	20/1	41			●	42	20/1	1000	***(E) EXISTING LOAD***	E

TOTAL ALL PHASES (VA)	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	TOTAL ALL PHASES (AMPS)
53860	17340	18580	17940	150

ALB (2)

BUSSING: 800A, 10,000 AIC SYMMETRICAL
MAIN: MLO
LOCATION: ELECTRICAL ROOM
MOUNTING: SURFACE
120/208V, 3 PHASE, 4 WIRE
100% RATED NEUTRAL + GROUND

TYPE	DESCRIPTION	LOAD	DEVICE	CKT	A	B	C	CKT	DEVICE	LOAD	DESCRIPTION	TYPE
R	***(E) SERRA - CEILING***	180	20/1	43	●			44	20/1	180	***(E) SERRA - CEILING***	R
R	***(E) SERRA - CEILING***	180	20/1	45		●		46	20/1	180	***(E) SERRA - CEILING***	R
R	***(E) SERRA - CEILING***	180	20/1	47			●	48	20/1	180	***(E) SERRA - CEILING***	R
E	***(E) EXISTING LOAD***	1000	20/1	49	●			50	20/1	1000	***(E) EXISTING LOAD***	E
E	SERRA 107 - SOUTH WALL	1000	30/3	51		●		52	"	1000	***"***	E
E	"	1000	"	53			●	54	30/3	1000	SERRA 100 - NORTH WALL	E
E	"	1000	"	55	●			56	"	1000	"	E
R	SERRA 107 - SOUTH DEDICATED REC	180	20/1	57		●		58	"	1000	"	E
E	SERRA 107 - EAST WALL	1000	30/3	59			●	60	20/1	180	SERRA - WEST WALL REC	R
E	"	1000	"	61	●			62	30/3	1000	SERRA 100 - NORTH WALL	E
E	"	1000	"	63		●		64	"	1000	"	E
R	SERRA 107 - EAST DEDICATED REC	180	20/1	65			●	66	"	1000	"	E
E	SERRA 107 - EAST WALL	1000	30/3	67	●			68	20/1	360	LOBBY 101 - KIOSK/SIGN POWER	R
E	"	1000	"	69		●		70	20/1	360	LOBBY 101 - KIOSK/SIGN POWER	R
E	"	1000	"	71			●	72	20/1	360	LOBBY 101 - KIOSK/SIGN POWER	R
R	SERRA 107 - EAST DEDICATED REC	180	20/1	73	●			74	20/1	360	LOBBY 101 - KIOSK/SIGN POWER	R
E	SERRA 100 - EAST WALL	1000	30/3	75		●		76	20/1	360	LOBBY 102,100 - KIOSK/SIGN POWER	R
E	"	1000	"	77			●	78	20/1	540	LOBBY 101 REC	R
E	"	1000	"	79	●			80	20/1	180	LOBBY 101 - DEDICATED REC	R
R	SERRA 100 - EAST DEDICATED REC	180	20/1	81		●		82	20/1	180	LOBBY 101 - DEDICATED REC	R
R	RESTROOMS SOUTH	720	20/1	83			●	84	20/1	360	LOBBY 101 - KIOSK/SIGN POWER	R

TOTAL ALL PHASES (VA)	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	TOTAL ALL PHASES (AMPS)
26760	9440	8620	8700	74

LOAD SUMMARY BY TYPE	CONN. LOAD	DEMAND FACTOR	NEC LOAD
E = EQUIPMENT	68000 VA	1.00	68000 VA
H = ELECTRIC HEAT	0 VA	1.00	0 VA
K = KITCHEN EQUIPMENT	0 VA	1.00	0 VA
L = LIGHTING	2000 VA	1.25	2500 VA
M = MOTOR	0 VA	1.00	0 VA
M = LARGEST MOTOR		1.25	0 VA
R = RECEPTACLE	10620 VA	NEC DEMAND	10310 VA

CONNECTED LOAD SUMMARY
80620 VA
224 AMPS

NEC LOAD SUMMARY
80810 VA
225 AMPS

ALC

BUSSING: 225A, 10,000 AIC SYMMETRICAL
MAIN: MLO
LOCATION: ELECTRICAL ROOM
MOUNTING: SURFACE
120/208V, 3 PHASE, 4 WIRE
100% RATED NEUTRAL + GROUND

TYPE	DESCRIPTION	LOAD	DEVICE	CKT	A	B	C	CKT	DEVICE	LOAD	DESCRIPTION	TYPE
E	TELECOM RACKS POWER	900	30/2	1	●			2	20/1	180	TELECOM RACKS POWER	R
E	"	900	"	3		●		4	20/1	180	TELECOM RACKS POWER	R
E	TELECOM RACKS POWER	900	30/2	5			●	6	20/1	180	TELECOM RACKS POWER	R
E	"	900	"	7	●			8	20/1	180	TELECOM RACKS POWER	R
E	TELECOM RACKS POWER	900	30/2	9		●		10	20/1	180	TELECOM RACKS POWER	R
E	"	900	"	11			●	12	20/1	180	TELECOM RACKS POWER	R
E	TELECOM RACKS POWER	900	30/2	13	●			14	20/1	180	TELECOM RACKS POWER	R
E	"	900	"	15		●		16	20/1	180	TELECOM RACKS POWER	R
E	TELECOM RACKS POWER	900	30/2	17			●	18	20/1	180	TELECOM RACKS POWER	R
E	"	900	"	19	●			20	20/1	180	TELECOM RACKS POWER	R
E	TELECOM RACKS POWER	900	30/2	21		●		22	20/1		SPARE	
E	"	900	"	23			●	24	20/1		SPARE	
E	TELECOM RACKS POWER	900	30/2	25	●			26	20/1		SPARE	
E	"	900	"	27		●		28	20/1		SPARE	
E	TELECOM RACKS POWER	900	30/2	29			●	30	20/1		SPARE	
E	"	900	"	31	●			32	20/1		SPARE	
E	TELECOM RACKS POWER	900	30/2	33		●		34	20/1	1080	TELECOM ROOM	R
E	"	900	"	35			●	36	30/2	900	TELECOM RACKS POWER	E
E	TELECOM RACKS POWER	900	30/2	37	●			38	"	900	"	E
E	"	900	"	39		●		40	30/2	900	TELECOM RACKS POWER	E
	SPACE			41			●	42	"	900	"	E

TOTAL ALL PHASES (VA)	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	TOTAL ALL PHASES (AMPS)
24480	7920	8820	7740	68

LOAD SUMMARY BY TYPE	CONN. LOAD	DEMAND FACTOR	NEC LOAD
E = EQUIPMENT	21600 VA	1.00	21600 VA
H = ELECTRIC HEAT	0 VA	1.00	0 VA
K = KITCHEN EQUIPMENT	0 VA	1.00	0 VA
L = LIGHTING	0 VA	1.25	0 VA
M = MOTOR	0 VA	1.00	0 VA
M = LARGEST MOTOR		1.25	0 VA
R = RECEPTACLE	2880 VA	NEC DEMAND	2880 VA

CONNECTED LOAD SUMMARY
24480 VA
68 AMPS

NEC LOAD SUMMARY
24480 VA
68 AMPS

CLA (1)	BLA	ALD (1)	ALA
CLA (2)	BLB	ALD (2)	ALB (1)
CLB	BLC	ALG	ALB (2)
			ALC

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CITY HALL

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Issued For:

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	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
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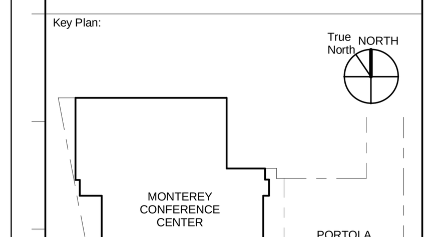
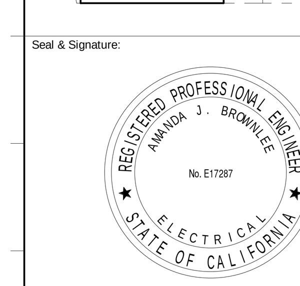
Key Plan:



Seal & Signature:



Sheet Name:

ELECTRICAL SCHEDULES

Project No.: Project Number
Drawn By: Author
Checked By: Checker
Scale: 12" = 1'-0"
Sheet No.: E0.05

9/8/2015 11:35:06 AM

Approved as to Form CAO RISK

(E) ALE (1)

BUSSING: 400A, 10,000 AIC SYMMETRICAL — LOCATION: ELECTRICAL ROOM
MAIN: MLO (FEED THROUGH LUGS) — MOUNTING: SURFACE
120/208V, 3 PHASE, 4 WIRE — 100% RATED NEUTRAL + GROUND

TYPE	DESCRIPTION	LOAD	DEVICE	CKT	A	B	C	CKT	DEVICE	LOAD	DESCRIPTION	TYPE
E	***(E) DEANZA 1 NORTH WALL***	1000	***20/1***	1	●			2	***20/1***	1000	***(E) TRACK LIGHTS***	E
E	***(E) DEANZA 1 NORTH WALL***	1000	***20/1***	3		●		4	***20/1***	1000	***(E) TRACK LIGHTS***	E
E	***(E) DEANZA 1 EAST WALL LEFT SIDE***	1000	***20/1***	5			●	6	***20/1***	1000	***(E) DEANZA 3 WEST WALL CENTER***	E
E	***(E) DEANZA 1 EAST WALL LEFT SIDE***	1000	***20/1***	7	●			8	***20/1***	1000	***(E) DEANZA 3 WEST WALL CENTER***	E
E	***(E) DEANZA 2 NORTH WALL***	1000	***20/1***	9		●		10	***20/1***	1000	***(E) DEANZA 3 WEST WALL CENTER***	E
E	***(E) DEANZA 2 NORTH WALL***	1000	***20/1***	11			●	12	***20/1***	1000	***(E) DEANZA 3 WEST WALL CENTER***	E
E	***(E) EXISTING LOAD***	1000	***20/1***	13	●			14	***20/1***	1000	***(E) DEANZA 3 WEST WALL LEFT***	E
E	***(E) EXISTING LOAD***	1000	***20/1***	15		●		16	***20/1***	1000	***(E) DEANZA 3 WEST WALL LEFT***	E
E	***(E) DEANZA 1 EAST WALL RIGHT***	1000	***20/1***	17			●	18	***20/1***	1000	***(E) DEANZA 3 WEST WALL LEFT***	E
E	***(E) DEANZA 1 EAST WALL RIGHT***	1000	***20/1***	19	●			20	***20/1***	1000	***(E) DEANZA 3 WEST WALL LEFT***	E
E	***(E) DOOR CLOSET BETWEEN 1+2***	1000	***20/1***	21		●		22			***SPACE***	
E	***(E) DOOR CLOSET BETWEEN 1+2***	1000	***100/3***	23			●	24	***20/1***	1000	***(E) DEANZA 2 SOUTH WALL***	E
E	***"***	1000	***"***	25	●			26	***20/1***	1000	***(E) AMPLIFIER CLOSET***	E
E	***"***	1000	***"***	27		●		28	***20/1***	1000	***(E) DEANZA 1 SOUTH***	E
E	***(E) TO PANEL NORTHEAST CORNER***	1000	***100/3***	29			●	30	***20/1***	1000	***(E) DEANZA 3 SOUTH***	E
E	***"***	1000	***"***	31	●			32	***20/1***	1000	***(E) DEANZA 3 SOUTH***	E
E	***"***	1000	***"***	33		●		34	***20/1***	1000	***(E) DEANZA 1 SOUTH***	E
E	***(E) TO PANEL NORTHEAST CORNER***	1000	***100/3***	35			●	36	***100/3***	1000	***(E) END ROOMS DEANZA PANEL "C"***	E
E	***"***	1000	***"***	37	●			38	***"***	1000	"	E
E	***"***	1000	***"***	39		●		40	***"***	1000	"	E

TOTAL ALL PHASES (VA)	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	TOTAL ALL PHASES (AMPS)
39000	14000	13000	12000	108

(E) ALE (2)

BUSSING: 400A, 10,000 AIC SYMMETRICAL — LOCATION: ELECTRICAL ROOM
MAIN: MLO — MOUNTING: SURFACE
120/208V, 3 PHASE, 4 WIRE — 100% RATED NEUTRAL + GROUND

TYPE	DESCRIPTION	LOAD	DEVICE	CKT	A	B	C	CKT	DEVICE	LOAD	DESCRIPTION	TYPE
E	***(E) CHANDELIER DEANZA 3***	1000	***30/3***	43	●			44	***20/1***	1000	***(E) EXISTING LOAD***	E
E	***"***	1000	***"***	45		●		46	***20/1***	1000	***(E) EXISTING LOAD***	E
E	***"***	1000	***"***	47			●	48	***20/1***	1000	***(E) EXISTING LOAD***	E
E	***(E) EXISTING LOAD***	1000	***20/1***	49	●			50	***20/1***	1000	***(E) EXISTING LOAD***	E
E	***(E) EXISTING LOAD***	1000	***20/1***	51		●		52	***20/1***	1000	***(E) EXISTING LOAD***	E
E	***(E) EXISTING LOAD***	1000	***20/1***	53			●	54	***30/2***	1000	***(E) EXISTING LOAD***	E
E	***(E) EXISTING LOAD***	1000	***50/3***	55	●			56	***"***	1000	***"***	E
E	***"***	1000	***"***	57		●		58	***20/1***	1000	***(E) EXISTING LOAD***	E
E	***"***	1000	***"***	59			●	60	***20/1***	1000	***(E) EXISTING LOAD***	E
E	***(E) EXISTING LOAD***	1000	***20/1***	61	●			62	***20/1***	1000	***(E) EXISTING LOAD***	E
E	***(E) EXISTING LOAD***	1000	***20/1***	63		●		64	***20/1***	1000	***(E) EXISTING LOAD***	E
E	***(E) EXISTING LOAD***	1000	***20/1***	65			●	66	***20/1***	1000	***(E) EXISTING LOAD***	E
E	***(E) CHANDELIER DEANZA 2***	1000	***20/1***	67	●			68	***20/1***	1000	***(E) EXISTING LOAD***	E
E	***(E) CHANDELIER DEANZA 3***	1000	***20/1***	69		●		70	***20/1***	1000	***(E) CHANDELIER DEANZA 1***	E
E	***(E) CHANDELIER DEANZA 2***	1000	***20/1***	71			●	72	***20/1***	1000	***(E) CHANDELIER DEANZA 1***	E
E	***(E) CHANDELIER DEANZA 2***	1000	***20/1***	73	●			74	***20/1***	1000	***(E) CHANDELIER DEANZA 1***	E
E	***(E) CHANDELIER DEANZA 2***	1000	***20/1***	75		●		76	***20/1***	1000	***(E) EXISTING LOAD***	E
E	***(E) CHANDELIER DEANZA 1***	1000	***20/1***	77			●	78	***20/1***	1000	***(E) EXISTING LOAD***	E
E	***(E) EXISTING LOAD***	1000	***20/1***	79	●			80	***20/1***	1000	***(E) EXISTING LOAD***	E

TOTAL ALL PHASES (VA)	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	TOTAL ALL PHASES (AMPS)
38000	14000	12000	12000	105

LOAD SUMMARY BY TYPE	CONN. LOAD	DEMAND FACTOR	NEC LOAD
E = EQUIPMENT	77000 VA	1.00	77000 VA
H = ELECTRIC HEAT	0 VA	1.00	0 VA
K = KITCHEN EQUIPMENT	0 VA	1.00	0 VA
L = LIGHTING	0 VA	1.25	0 VA
M = MOTOR	0 VA	1.00	0 VA
M = LARGEST MOTOR		1.25	0 VA
R = RECEPTACLE	0 VA	NEC DEMAND	0 VA

CONNECTED LOAD SUMMARY
77000 VA
214 AMPS

NEC LOAD SUMMARY
77000 VA
214 AMPS

(E) ALF (1)

BUSSING: 100A, 10,000 AIC SYMMETRICAL — LOCATION: ELECTRICAL ROOM
MAIN: MLO (FEED THROUGH LUGS) — MOUNTING: SURFACE
120/208V, 3 PHASE, 4 WIRE — 100% RATED NEUTRAL + GROUND

TYPE	DESCRIPTION	LOAD	DEVICE	CKT	A	B	C	CKT	DEVICE	LOAD	DESCRIPTION	TYPE
L	***(E) KITCHEN HOOD LIGHTS***	500	***20/1***	1	●			2	***20/1***	1080	***(E) STORAGE/LOUNGE REC***	R
E	***(E) KITCHEN HOOD CONTROL PANEL***	500	***20/1***	3		●		4	***20/1***	900	***(E) LOCKER ROOM REC***	R
	SPACE	0		5			●	6	***20/1***	1080	***(E) JANITOR/RECEIVING REC***	R
K	***(E) KITCHEN LOAD***	500	***20/1***	7	●			8	***20/1***	500	***(E) KITCHEN LOAD***	K
K	***(E) KITCHEN LOAD***	500	***20/3***	9		●		10	***20/3***	500	***(E) KITCHEN LOAD***	K
K	***"***	500	***"***	11			●	12	***"***	500	***"***	K
K	***"***	500	***"***	13	●			14	***"***	500	***"***	K
E	***(E) EXISTING LOAD***	500	***20/3***	15		●		16	***20/3***	500	***(E) KITCHEN LOAD***	K
E	***"***	500	***"***	17			●	18	***"***	500	***"***	K
E	***"***	500	***"***	19	●			20	***"***	500	***"***	K
K	***(E) KITCHEN LOAD***	500	***20/1***	21		●		22	***15/3***	500	***(E) KITCHEN LOAD***	K
K	***(E) KITCHEN LOAD***	500	***20/1***	23			●	24	***"***	500	***"***	K
K	***(E) KITCHEN LOAD***	500	***20/3***	25	●			26	***"***	500	***"***	K
	"	500	***"***	27		●		28	***30/1***	1000	***(E) KITCHEN LOAD***	K
	"	500	***"***	29			●	30	***30/1***	1000	***(E) KITCHEN LOAD***	K

TOTAL ALL PHASES (VA)	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	TOTAL ALL PHASES (AMPS)
17060	5580	5900	5580	47

(E) ALF (2)

BUSSING: 100A, 10,000 AIC SYMMETRICAL — LOCATION: ELECTRICAL ROOM
MAIN: MLO — MOUNTING: SURFACE
120/208V, 3 PHASE, 4 WIRE — 100% RATED NEUTRAL + GROUND

TYPE	DESCRIPTION	LOAD	DEVICE	CKT	A	B	C	CKT	DEVICE	LOAD	DESCRIPTION	TYPE
M	***(E) CH-1***	500	***20/1***	31	●			32	***20/1***	696	***(E) EF-18, EF-19, EF-20***	M
K	***(E) KITCHEN LOAD***	500	***50/3***	33		●		34	***20/1***	500	***(E) EXISTING LOAD***	E
K	***"***	500	***"***	35			●	36	***20/1***	500	***(E) EXISTING LOAD***	E
K	***"***	500	***"***	37	●			38	***20/1***	500	***(E) EXISTING LOAD***	E
K	***(E) KITCHEN LOAD***	500	***15/3***	39		●		40	***20/1***	500	***(E) EXISTING LOAD***	E
K	***"***	500	***"***	41			●	42	***20/1***	500	***(E) EXISTING LOAD***	E
K	***"***	500	***"***	43	●			44	***20/1***	500	***(E) EXISTING LOAD***	E
	SPACE			45		●		46	***20/1***	500	***(E) EXISTING LOAD***	E
E	***(E) EXISTING LOAD***	500	***20/1***	47			●	48	***20/1***	500	***(E) EXISTING LOAD***	E
E	***(E) KITCHEN LOAD***	500	***20/1***	49	●			50	***20/1***	500	***(E) EXISTING LOAD***	E
E	***(E) KITCHEN LOAD***	500	***20/1***	51		●		52	***20/1***	500	***(E) EXISTING LOAD***	E
E	***(E) KITCHEN LOAD***	500	***20/1***	53			●	54	***20/1***	500	***(E) EXISTING LOAD***	E
E	***(E) KITCHEN LOAD***	500	***30/1***	55	●			56	***20/1***	500	***(E) EXISTING LOAD***	E
E	***(E) KITCHEN LOAD***	500	***30/1***	57		●		58	***40/1***	500	***(E) EXISTING LOAD***	E
E	***(E) KITCHEN LOAD***	500	***20/1***	59			●	60	***40/1***	500	***(E) EXISTING LOAD***	E

TOTAL ALL PHASES (VA)	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	TOTAL ALL PHASES (AMPS)
14696	5196	4500	5000	41

LOAD SUMMARY BY TYPE	CONN. LOAD	DEMAND FACTOR	NEC LOAD
E = EQUIPMENT	12500 VA	1.00	12500 VA
H = ELECTRIC HEAT	0 VA	1.00	0 VA
K = KITCHEN EQUIPMENT	13500 VA	0.65	8775 VA
L = LIGHTING	500 VA	1.25	625 VA
M = MOTOR	500 VA	1.00	500 VA
M = LARGEST MOTOR	696 VA	1.25	870 VA
R = RECEPTACLE	3060 VA	NEC DEMAND	3060 VA

CONNECTED LOAD SUMMARY
30756 VA
85 AMPS

NEC LOAD SUMMARY
26330 VA
73 AMPS

AELA

BUSSING: 100A, 10,000 AIC SYMMETRICAL — LOCATION: ELECTRICAL ROOM
MAIN: MLO — MOUNTING: SURFACE
120/208V, 3 PHASE, 4 WIRE — 100% RATED NEUTRAL + GROUND

TYPE	DESCRIPTION	LOAD	DEVICE	CKT	A	B	C	CKT	DEVICE	LOAD	DESCRIPTION	TYPE
	SPARE	0	20/1	1	●			2	20/1	0	SPARE	
	SPARE	0	20/1	3		●		4	20/1	0	SPARE	
	SPARE	0	20/1	5			●	6	20/1	0	SPARE	
	SPARE	0	20/1	7	●			8	20/1	0	SPARE	
	SPARE	0	20/1	9		●		10	20/1	500	***(E) FIRE ALARM PANEL***	E
	SPARE	0	20/1	11			●	12	20/1	500	***(E) FIRE ALARM PANEL***	E
	SPARE	0	20/1	13	●			14	20/1	500	***(E) SECURITY SYSTEM PANEL***	E
	SPARE	0	20/1	15		●		16	20/1	500	LEVEL 1 FIRE ALARM PANEL	E
	SPARE	0	20/1	17			●	18	20/1	500	LEVEL 1 FIRE ALARM PANEL	E
	SPARE	0	20/1	19	●			20	20/1	500	LEVEL 1 FIRE ALARM PANEL	E
	SPARE	0	20/1	21		●		22	20/1	0	SPARE	
	SPARE	0	20/1	23			●	24	20/1	0	SPARE	
	SPACE	0		25	●			26		0	SPACE	
	SPACE	0		27		●		28		0	SPACE	
	SPACE	0		29			●	30		0	SPACE	

TOTAL ALL PHASES (VA)	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	TOTAL ALL PHASES (AMPS)
3000	1000	1000	1000	8

LOAD SUMMARY BY TYPE	CONN. LOAD	DEMAND FACTOR	NEC LOAD
E = EQUIPMENT	3000 VA	1.00	3000 VA
H = ELECTRIC HEAT	0 VA	1.00	0 VA
K = KITCHEN EQUIPMENT	0 VA	1.00	0 VA
L = LIGHTING	0 VA	1.25	0 VA
M = MOTOR	0 VA	1.00	0 VA
M = LARGEST MOTOR		1.25	0 VA
R = RECEPTACLE	0 VA	NEC DEMAND	0 VA

CONNECTED LOAD SUMMARY
3000 VA
8 AMPS

NEC LOAD SUMMARY
3000 VA
8 AMPS

CELA

BUSSING: 100A, 10,000 AIC SYMMETRICAL — LOCATION: ELECTRICAL ROOM
MAIN: MLO — MOUNTING: SURFACE
120/208V, 3 PHASE, 4 WIRE — 100% RATED NEUTRAL + GROUND

TYPE	DESCRIPTION	LOAD	DEVICE	CKT	A	B	C	CKT	DEVICE	LOAD	DESCRIPTION	TYPE
	SPARE	0	20/1	1	●			2	20/1	0	SPARE	
	SPARE	0	20/1	3		●		4	20/1	0	SPARE	
	SPARE	0	20/1	5			●	6	20/1	0	SPARE	
	SPARE	0	20/1	7	●			8	20/1	0	SPARE	
	SPARE	0	20/1	9		●		10	20/1	0	SPARE	
	SPARE	0	20/1	11			●	12	20/1	180	***(E) EMERGENCY GENERATOR PLUG***	R
	SPARE	0	20/1	13	●			14	20/1	180	***(E) PLUG AT ROOF***	R
	(E) EXISTING LOAD	1000	20/1	15		●		16	20/1		SPARE	
	SPARE	0	20/1	17			●	18	20/1	500	LEVEL 2 - FATC	E
	SPARE	0	20/1	19	●			20	20/1	0	SPARE	
	SPARE	0	20/1	21		●		22	20/1	0	SPARE	
	SPARE	0	20/1	23			●	24	20/1	0	SPARE	
	SPACE			25	●			26			SPACE	
	SPACE			27		●		28			SPACE	
	SPACE			29			●	30			SPACE	

TOTAL ALL PHASES (VA)	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	TOTAL ALL PHASES (AMPS)
1860	180	1000	680	5

LOAD SUMMARY BY TYPE	CONN. LOAD	DEMAND FACTOR	NEC LOAD
E = EQUIPMENT	1500 VA	1.00	1500 VA
H = ELECTRIC HEAT	0 VA	1.00	0 VA
K = KITCHEN EQUIPMENT	0 VA	1.00	0 VA
L = LIGHTING	0 VA	1.25	0 VA
M = MOTOR	0 VA	1.00	0 VA
M = LARGEST MOTOR		1.25	0 VA
R = RECEPTACLE	360 VA	NEC DEMAND	360 VA

CONNECTED LOAD SUMMARY
1860 VA
5 AMPS

NEC LOAD SUMMARY
1860 VA
5 AMPS

(E) EDP

BUSSING: 150A, 10,000 AIC SYMMETRICAL — LOCATION: ELECTRICAL ROOM
MAIN: MLO — MOUNTING: SURFACE
120/208V, 3 PHASE, 4 WIRE — 100% RATED NEUTRAL + GROUND

TYPE	DESCRIPTION	LOAD	DEVICE	CKT	A	B	C	CKT	DEVICE	LOAD	DESCRIPTION	TYPE
E	***(E) PANEL AELA***	1000	***50/3***	1	●			2	***50/3***	180	***(E) PANEL CELA***	E
E	***"***	1000	***"***	3		●		4	***"***	1000	***"***	E
E	***"***	1000	***"***	5			●	6	***"***	680	***"***	E
R	***(E) TEL RM POWER OUTLET***	1000	***20/1***	7	●			8	***20/1***		SPARE	
R	***(E) TEL RM POWER OUTLET***	1000	***20/1***	9		●		10	***20/1***		SPARE	
R	***(E) POWER SOUND CONTROL ROOM***	1000	***20/1***	11			●	12	***20/1***	1000	***(E) STAIR LIGHTING - WEST***	L
R	***(E) POWER SOUND CONTROL ROOM***	1000	***20/1***	13	●			14	***20/1***	1000	***(E) STAIR LIGHTING - WEST***	L
R	***(E) POWER SOUND CONTROL ROOM***	1000	***20/1***	15		●		16	***20/1***	1000	***(E) STAIR LIGHTING - WEST***	L
	SPACE			17			●	18			***SPACE***	
	SPACE			19	●			20			***SPACE***	
	SPACE			21		●		22			***SPACE***	
	SPACE			23			●	24			***SPACE***	

TOTAL ALL PHASES (VA)	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	TOTAL ALL PHASES (AMPS)
12860	4180	5000	3680	36

LOAD SUMMARY BY TYPE	CONN. LOAD	DEMAND FACTOR	NEC LOAD
E = EQUIPMENT	4500 VA	1.00	4500 VA
H = ELECTRIC HEAT	0 VA	1.00	0 VA
K = KITCHEN EQUIPMENT	0 VA	1.00	0 VA
L = LIGHTING	3000 VA	1.25	3750 VA
M = MOTOR	0 VA	1.00	0 VA
M = LARGEST MOTOR		1.25	0 VA
R = RECEPTACLE	5360 VA	NEC DEMAND	5360 VA

CONNECTED LOAD SUMMARY
12860 VA
36 AMPS

NEC LOAD SUMMARY
13610 VA
38 AMPS

LIGHTING RELAY CABINET: LRC-BA

RELAY NO.	ZONE DESCRIPTION	BRANCH CIRCUIT	RELAY WATTS	SOURCE	CONTROL ON	CONTROL OFF	CONTROL OVER.	CONTROL DIM
1	OPEN OFFICE 206	BLA-22	540	RECEPTACLE	OS	OS	-	-
2	OPEN OFFICE 206	BLA-26	180	RECEPTACLE	OS	OS	-	-
3	OPEN OFFICE 206	BLA-30	180	RECEPTACLE	OS	OS	-	-
4	OPEN OFFICE 206	BLA-36	180	RECEPTACLE	OS	OS	-	-
5	OFFICE 206A	BLA-24	360	RECEPTACLE	OS	OS	-	-
6	OFFICE 206B	BLA-24	360	RECEPTACLE	OS	OS	-	-
7	OFFICE 206C	BLA-26	180	RECEPTACLE	OS	OS	-	-
8	OFFICE 206C	BLA-28	360	RECEPTACLE	OS	OS	-	-
9	OFFICE 206D	BLA-26	180	RECEPTACLE	OS	OS	-	-
10	OFFICE 206D	BLA-28	360	RECEPTACLE	OS	OS	-	-
11	PANTRY 206E	BLA-36	180	RECEPTACLE	OS	OS	-	-
12	SPARE							
13	SPARE							
14	SPARE							
15	SPACE							
16	SPACE							
17	SPACE							
18	SPACE							

CONTROL TYPES: TS = TIME SCHEDULE, SR = SWEEP REPEAT, LI = LINE INTERRUPT SWITCH, LV = LOW VOLTAGE SWITCH, OS = OCCUPANCY SENSOR, PC = PHOTOCELL

CLD (1)

BUS AMPACITY: 800A — 120/208V, 3 PHASE, 4 WIRE — LOCATION: SEE RISER
MAIN: 800A/3P — AIC RMS: 22,000

CIRCUIT	LOAD SERVED	DEVICE RATING	LOAD (VA)	REMARKS
1	RM 301 WALLBOX	30AT/100AF	3,000	
2	RM 301 WALLBOX	30AT/100AF	3,000	
3	RM 301 WALLBOX	30AT/100AF	3,000	
4	STEINBECK WALLBOX	30AT/100AF	3,000	
5	STEINBECK WALLBOX	30AT/100AF	3,000	
6	STEINBECK WALLBOX	30AT/100AF	3,000	
7	STEINBECK FLOORBOX	30AT/100AF	3,000	
8	STEINBECK FLOORBOX	30AT/100AF	3,000	
9	STEINBECK FLOORBOX	30AT/100AF	3,000	
10	STEINBECK FLOORBOX	30AT/100AF	3,000	
11	STEINBECK FLOORBOX	30AT/100AF	3,000	
12	STEINBECK FLOORBOX	30AT/100AF	3,000	
13	STEINBECK WALLBOX	30AT/100AF	3,000	
14	STEINBECK FLOORBOX	30AT/100AF	3,000	
15	STEINBECK FLOORBOX	30AT/100AF	3,000	
16	STEINBECK WALLBOX	30AT/100AF	3,000	
17	STEINBECK FLOORBOX	30AT/100AF	3,000	
18	STEINBECK FLOORBOX	30AT/100AF	3,000	
19	STEINBECK WALLBOX	30AT/100AF	3,000	
20	STEINBECK WALLBOX	30AT/100AF	3,000	
21	STEINBECK FLOORBOX	30AT/100AF	3,000	
22	STEINBECK FLOORBOX	30AT/100AF	3,000	
23	STEINBECK WALLBOX	30AT/100AF	3,000	
24	STEINBECK FLOORBOX	30AT/100AF	3,000	
25	STEINBECK FLOORBOX	30AT/100AF	3,000	
26	STEINBECK FLOORBOX	30AT/100AF	3,000	
27	ROOM 302 WALLBOX	100AT/100AF	8,000	
28	ROOM 302 WALLBOX	30AT/100AF	3,000	
29	ROOM 308 WALLBOX	30AT/100AF	3,000	
30	ROOM 308 WALLBOX	60AT/100AF	5,000	
		TOTAL	97,000	

CLD (2)

BUS AMPACITY: 800A — 120/208V, 3 PHASE, 4 WIRE — LOCATION: SEE RISER
MAIN: MLO — AIC RMS: 22,000

CIRCUIT	LOAD SERVED	DEVICE RATING	LOAD (VA)	REMARKS
31	ROOM 308 WALLBOX	30AT/100AF	3,000	
32	ROOM 307 WALLBOX	60AT/100AF	5,000	
33	ROOM 306 WALLBOX	60AT/100AF	5,000	
34	ROOM 306 WALLBOX	30AT/100AF	3,000	
35	ROOM 306 WALLBOX	30AT/100AF	3,000	
36	EXTERIOR WALLBOX	100AT/100AF	8,000	
37	ROOM 300 FLOORBOX	30AT/100AF	3,000	
38	ROOM 300 WALLBOX	60AT/100AF	5,000	
39	ROOM 303 WALLBOX	60AT/100AF	5,000	
40	ROOM 303 FLOORBOX	30AT/100AF	3,000	
41	JEFFERS PLAZA	60AT/100AF	5,000	
42	COMPANY SWITCH	400AT/400AF	30,000	ELEC ROOM 311B
43	COMPANY SWITCH	200AT/225AF	15,000	ELEC ROOM 311B
44	COMPANY SWITCH	200AT/225AF	15,000	STEINBECK BALLROOM 310
45	COMPANY SWITCH	200AT/225AF	15,000	STEINBECK BALLROOM 310
46	SPARE	30AT/100AF	0	
47	SPARE	60AT/100AF	0	
48	SPARE	100AT/100AF	0	
49	SPACE		0	
50	SPACE		0	
51	SPACE		0	
52	SPACE		0	
53	SPACE		0	
54	SPACE		0	
55	SPACE		0	
56	SPACE		0	
57	SPACE		0	
58	SPACE		0	
59	SPACE		0	
60	SPACE		0	
		TOTAL	123,000	

LOAD SUMMARY BY TYPE	CONNECTED LOAD	DEMAND FACTOR	NEC LOAD
E = EQUIPMENT	207000 VA	1.00	207000 VA
H = ELECTRIC HEAT	0 VA	1.00	0 VA
K = KITCHEN	0 VA	1.00	0 VA
L = LIGHTING	0 VA	1.25	0 VA
M = MOTOR	0 VA	1.00	0 VA
M = LARGEST MOTOR		1.25	0 VA
R = RECEPTACLE	0 VA	NEC DEMAND	0 VA
EL = ELEVATOR	0 VA	1.00	0 VA

CONNECTED LOAD SUMMARY
207000 VA
575 A

NEC LOAD SUMMARY
207000 VA
575 A

CLC (1)

BUSSING: 225A, 10,000 AIC SYMMETRICAL — LOCATION: ELECTRICAL ROOM
MAIN: MLO (FEED THROUGH LUGS) — MOUNTING: SURFACE
120/208V, 3 PHASE, 4 WIRE — 100% RATED NEUTRAL + GROUND

TYPE	DESCRIPTION	LOAD	DEVICE	CKT	A	B	C	CKT	DEVICE	LOAD	DESCRIPTION	TYPE
R	PRE 301 - SIGN/KIOSK POWER	360	20/1	1	●			2	20/1	180	STEINBECK 310 - CEILING POWER	R
R	PREFUNC 301 CONV REC	360	20/1	3		●		4	20/1	180	STEINBECK 310 - CEILING POWER	R
R	PRE 301 - SIGN/KIOSK POWER	540	20/1	5			●	6	20/1	180	STEINBECK 310 - CEILING POWER	R
R	PRE 301 - SIGN/KIOSK POWER	360	20/1	7	●			8	20/1	180	STEINBECK 310 - CEILING POWER	R
R	STEINBECK 310 - REC	720	20/1	9		●		10	20/1	180	STEINBECK 310 - CEILING POWER	R
R	STEINBECK 310 - NORTH DEDICATED	720	20/1	11			●	12	20/1	180	STEINBECK 310 - CEILING POWER	R
R	STEINBECK 310 - EAST DEDICATED	720	20/1	13	●			14	20/1	180	STEINBECK 310 - CEILING POWER	R
R	STEINBECK 310 - EAST DEDICATED	720	20/1	15		●		16	20/1	180	STEINBECK 310 - CEILING POWER	R
R	STEINBECK 310 - SOUTH DEDICATED	720	20/1	17			●	18	20/1	180	STEINBECK 310 - CEILING POWER	R
	SPARE	720	20/1	19	●			20	20/1	180	STEINBECK 310 - CEILING POWER	R
R	STEINBECK 310 - FLOORBOX	180	20/1	21		●		22	20/1	180	STEINBECK 310 - CEILING POWER	R
R	STEINBECK 310 - FLOORBOX	180	20/1	23			●	24	20/1	180	STEINBECK 310 - CEILING POWER	R
R	STEINBECK 310 - FLOORBOX	180	20/1	25	●			26	20/1	180	STEINBECK 310 - CEILING POWER	R
R	STEINBECK 310 - FLOORBOX	180	20/1	27		●		28	20/1	180	EXTERIOR SIGN - NORTHEAST	E
R	STEINBECK 310 - FLOORBOX	180	20/1	29			●	30	20/1		SPARE	
R	STEINBECK 310 - FLOORBOX	180	20/1	31	●			32	20/1		SPARE	
R	STEINBECK 310 - FLOORBOX	180	20/1	33		●		34	20/1		SPARE	
E	PRE 300 - MOTORIZED SHADES	1000	20/1	35			●	36	20/1		SPARE	
E	PRE 300 - MOTORIZED SHADES	1000	20/1	37	●			38			SPACE	
E	PRE 300 - MOTORIZED SHADES	1000	20/1	39		●		40			SPACE	
	SPACE		20/1	41			●	42			SPACE	

TOTAL ALL PHASES (VA)	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	TOTAL ALL PHASES (AMPS)
12720	4420	4240	4060	35

CLC (2)

BUSSING: 225A, 10,000 AIC SYMMETRICAL — LOCATION: ELECTRICAL ROOM
MAIN: MLO — MOUNTING: SURFACE
120/208V, 3 PHASE, 4 WIRE — 100% RATED NEUTRAL + GROUND

TYPE	DESCRIPTION	LOAD	DEVICE	CKT	A	B	C	CKT	DEVICE	LOAD	DESCRIPTION	TYPE
R	PREFUNC 300 - DEDICATED	180	20/1	43	●			44	20/1		SPARE	
R	PREFUNC 301 - DEDICATED	180	20/1	45		●		46	20/1		SPARE	
R	TERRACE 330 - DEDICATED	180	20/1	47			●	48	20/1		SPARE	
R	TERRACE 330 - DEDICATED	180	20/1	49	●			50	20/1		SPARE	
R	STEINBECK 310 - SOUTH REC	720	20/1	51		●		52	20/1	900	ROOF CONV REC	R
R	STEINBECK 310 - SOUTH DEDICATED	180	20/1	53			●	54	20/1	500	PREFUNC 301 - MOTOR SHADES	M
R	STEINBECK 310 - SOUTH DEDICATED	180	20/1	55	●			56	20/1	500	PREFUNC 301 - MOTOR SHADES	M
R	STEINBECK 310 - WEST REC	540	20/1	57		●		58	20/1	500	PREFUNC 301 - MOTOR SHADES	M
R	STEINBECK 310 - WEST DEDICATED	180	20/1	59			●	60	20/1	500	STEINBECK 310 - MOTOR SHADES	M
R	STEINBECK 310 - NORTH REC	540	20/1	61	●			62	20/1	500	STEINBECK 310 - MOTOR SHADES	M
R	STEINBECK 310 - NORTH DEDICATED	180	20/1	63		●		64	20/1	500	STEINBECK 310 - MOTOR SHADES	M
R	STEINBECK 310 - NORTH DEDICATED	180	20/1	65			●	66	20/1	500	STEINBECK 310 - MOTOR SHADES	M
E	STEINBECK 310 - DOOR RELEASE	350	20/1	67	●			68	20/1		SPARE	
E	ROOF - BIRD CONTROL	500	20/1	69		●		70	20/1		SPARE	
E	ROOF - BIRD CONTROL	500	20/1	71			●	72	20/1	500	STEINBECK 310 - MOTOR SHADES	M
E	ROOF - BIRD CONTROL	500	20/1	73	●			74	20/1	500	STEINBECK 310 - MOTOR SHADES	M
	SPARE		20/1	75		●		76	20/1	500	STEINBECK 310 - MOTOR SHADES	M
	SPARE		20/1	77			●	78	20/1	500	STEINBECK 310 - MOTOR SHADES	M
	SPACE			79	●			80			SPACE	
	SPACE			81		●		82			SPACE	
	SPACE			83			●	84			SPACE	

TOTAL ALL PHASES (VA)	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	TOTAL ALL PHASES (AMPS)
11670	3430	4520	3720	32

LOAD SUMMARY BY TYPE	CONN. LOAD	DEMAND FACTOR	NEC LOAD
E = EQUIPMENT	5030 VA	1.00	5030 VA
H = ELECTRIC HEAT	0 VA	1.00	0 VA
K = KITCHEN EQUIPMENT	0 VA	1.00	0 VA
L = LIGHTING	0 VA	1.25	0 VA
M = MOTOR	4324 VA	1.00	4324 VA
M = LARGEST MOTOR	1176 VA	1.25	1470 VA
R = RECEPTACLE	13140 VA	NEC DEMAND	11570 VA

CONNECTED LOAD SUMMARY
23670 VA
66 AMPS

NEC LOAD SUMMARY
22394 VA
62 AMPS

L

BUSSING: 100A, 10,000 AIC SYMMETRICAL — LOCATION: ELECTRICAL ROOM
MAIN: MLO — MOUNTING: SURFACE
120/208V, 3 PHASE, 4 WIRE — 100% RATED NEUTRAL + GROUND

TYPE	DESCRIPTION	LOAD	DEVICE	CKT	A	B	C	CKT	DEVICE	LOAD	DESCRIPTION	TYPE
	SPARE (WAS TRELLIS OUTLETS)		***20/1***	1	●			2	***20/1***	720	PLAZA RECEPTACLES	R
	SPARE (WAS LTG, BOLLARD LTS)		***20/1***	3		●		4	***20/1***	720	PLAZA RECEPTACLES	R
E	SVC VEST 106 - IRRIG CTRL	500	***20/1***	5			●	6	***20/1***		SPARE	
	SPARE (WAS LTG, BOLLARD LTS)		***20/1***	7	●			8	***20/1***		SPARE (WAS LTG, BOLLARD LTS)	
L	***(E) TREE LIGHTS***	1000	***20/1***	9		●		10	***20/3***	1000	***(E) BATTERY CHARGER FORKLIFT***	E
L	***(E) TREE LIGHTS***	1000	***20/1***	11			●	12	***"***	1000	***"***	E
	SPARE (WAS TRELLIS LIGHTS)		***20/1***	13	●			14	***"***	1000	***"***	E
E	***(E) MAKEUP WATER VALVE, WIND***	1000	***20/1***	15		●		16	***20/1***	1000	***(E) IRRIGATION CTRL, FLR BOXES***	E
E	***(E) EXISTING LOAD***	1000	***20/1***	17			●	18	***20/1***	180	***(E) OUTLET***	R
E	***(E) TIMECLOCK,PHOTOCELL***	1000	***20/1***	19	●			20	***20/1***	1000	***(E) EXISTING LOAD***	E
	SPARE (WAS FOUNTAIN PUMP)		***30/3***	21		●		22	***50/3***	5000	***(E) LIGHTING PANEL (UNNAMED)***	E
	"		***"***	23			●	24	***"***	5000	***"***	E
	"		"	25	●			26	"	5000	***"***	E
	SPACE	0		27		●		28		0	***SPACE***	
	SPACE	0		29			●	30		0	***SPACE***	

TOTAL ALL PHASES (VA)	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	TOTAL ALL PHASES (AMPS)
27120	8720	9720	8680	75

LOAD SUMMARY BY TYPE	CONN. LOAD	DEMAND FACTOR	NEC LOAD
E = EQUIPMENT	23500 VA	1.00	23500 VA
H = ELECTRIC HEAT	0 VA	1.00	0 VA
K = KITCHEN EQUIPMENT	0 VA	1.00	0 VA
L = LIGHTING	2000 VA	1.25	2500 VA
M = MOTOR	0 VA	1.00	0 VA
M = LARGEST MOTOR		1.25	0 VA
R = RECEPTACLE	1620 VA	NEC DEMAND	1620 VA

CONNECTED LOAD SUMMARY
27120 VA
75 AMPS

NEC LOAD SUMMARY
27620 VA
77 AMPS

UNNAMED

BUSSING: 100A, 10,000 AIC SYMMETRICAL — LOCATION: ELECTRICAL ROOM
MAIN: MLO — MOUNTING: SURFACE
120/208V, 3 PHASE, 4 WIRE — 100% RATED NEUTRAL + GROUND

TYPE	DESCRIPTION	LOAD	DEVICE	CKT	A	B	C	CKT	DEVICE	LOAD	DESCRIPTION	TYPE
E	***(E) EXISTING LOAD***	1000	***20/2***	1	●			2	***15/1***	1000	***(E) EXISTING LOAD***	E
E	***"***	1000	***"***	3		●		4	***15/1***	1000	***(E) EXISTING LOAD***	E
E	***(E) EXISTING LOAD***	1000	***20/2***	5			●	6	***15/1***	1000	***(E) EXISTING LOAD***	E
E	***"***	1000	***"***	7	●			8	***15/1***	1000	***(E) EXISTING LOAD***	E
E	***(E) EXISTING LOAD***	1000	***20/2***	9		●		10	***15/1***	1000	***(E) EXISTING LOAD***	E
E	***"***	1000	***"***	11			●	12	***20/1***	1000	***(E) EXISTING LOAD***	E
	SPACE	0		13	●			14	***20/1***	1000	***(E) EXISTING LOAD***	E
	SPACE	0		15		●		16	***20/1***	1000	***(E) EXISTING LOAD***	E
	SPACE	0		17			●	18	***20/1***	1000	***(E) EXISTING LOAD***	E
	SPACE	0		19	●			20		0	***SPACE***	
	SPACE	0		21		●		22		0	***SPACE***	
	SPACE	0		23			●	24		0	***SPACE***	

TOTAL ALL PHASES (VA)	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	TOTAL ALL PHASES (AMPS)
15000	5000	5000	5000	42

LOAD SUMMARY BY TYPE	CONN. LOAD	DEMAND FACTOR	NEC LOAD
E = EQUIPMENT	15000 VA	1.00	15000 VA
H = ELECTRIC HEAT	0 VA	1.00	0 VA
K = KITCHEN EQUIPMENT	0 VA	1.00	0 VA
L = LIGHTING	0 VA	1.25	0 VA
M = MOTOR	0 VA	1.00	0 VA
M = LARGEST MOTOR		1.25	0 VA
R = RECEPTACLE	0 VA	NEC DEMAND	0 VA

CONNECTED LOAD SUMMARY
15000 VA
42 AMPS

NEC LOAD SUMMARY
15000 VA
42 AMPS

ALE (1)	AELA	CLD (1)	CLC (1)
ALE (2)	CELA	CLD (2)	CLC (2)
ALF (1)	EDP		L
ALF (2)	LRC-BA		UNNAMED

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL

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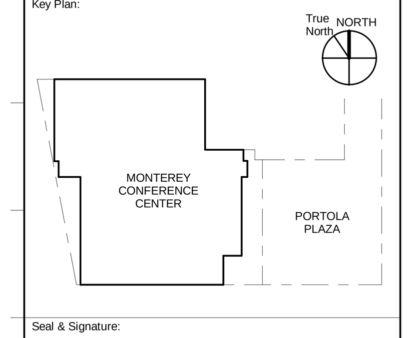
No.:	Description:	Date:
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015
1	ADDENDUM 1	11 SEPT 2015

Key Plan:



Seal & Signature:
REGISTERED PROFESSIONAL ENGINEER — AMANDA J. BROWNLEE — No. E17287 — ELECTRICAL — STATE OF CALIFORNIA

Sheet Name:
ELECTRICAL SCHEDULES

Project No.: Project Number
Drawn By: Author
Checked By: Checker
Scale: 12" = 1'-0"
Sheet No.: E0.06

9/8/2015 11:35:08 AM

Approved as to Form — CAO — RISK

SHEET NOTES:

A. REMOVE EXSTING LIGHTING AND POWER DEVICES IN WALLS/ FLOORS/ CEILINGS TO BE DEMOLISHED, UON. REFER TO ARCHITECTURAL DRAWINGS FOR FULL DEMOLITION SCOPE.

B. ALL EQUIPMENT AND DEVICES SHOWN ON THIS SHEET ARE EXISTING TO REMAIN, UON. REFER TO CIVIL DRAWINGS FOR DEMOLITION EXTENT.

NUMBERED NOTES:

1. DE ANZA BALLROOM TO REMAIN IN FULL OPERATION THROUGHOUT RENOVATION. AREA SERVED BY PANELS AHD AND ALE. FIRE ALARM DEVICES TO BE REPLACED WITH NEW SPEAKERS/STROBES WITHIN THE SPACE. ALL OTHER EQUIPMENT TO REMAIN.
2. EXISTING FIRE ALARM REMOTE ANNUNCIATOR TO BE REPLACED WITH NEW IN NEW LOCATION APPROVED BY THE AUTHORITY HAVING JURISDICTION.
3. ALL DEVICES IN THIS AREA ARE TO BE REMOVED, UON.
4. REMOVE EXISTING FOUNTAIN, ASSOCIATED LIGHTING AND CONTROLS.
5. REMOVE TRELLIS LIGHTS AND RECEPTACLES.
6. REMOVE CONNECTIONS TO FOUNTAIN EQUIPMENT AND LIGHTING.

PROTECT IN PLACE (E) LIGHTING AND CONTROLS WITHIN ALVARADO MALL AREA DURING MAIN BUILDING CONSTRUCTION. PROVIDE TEMPORARY POWER AS REQUIRED. AS-BUILT INFORMATION NOT AVAILABLE.

1 LEVEL 1- POWER PLAN - DEMO
1/16" = 1'-0"

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	30% SUBMITTAL	20 FEB 2015
	60% PROJECT COMPLETION	15 MAY 2015
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015
1	ADDENDUM 1	11 SEPT 2015

Key Plan:

Seal & Signature:

REGISTERED PROFESSIONAL ENGINEER
AMANDA T. BISHOFF
No. E17287
ELECTRICAL
STATE OF CALIFORNIA

Sheet Name:

ELECTRICAL DEMOLITION PLAN - LEVEL 01

Project No.: Project Number	Sheet No.: ED2.01
Drawn By: Author	
Checked By: Checker	
Scale: 1/16" = 1'-0"	

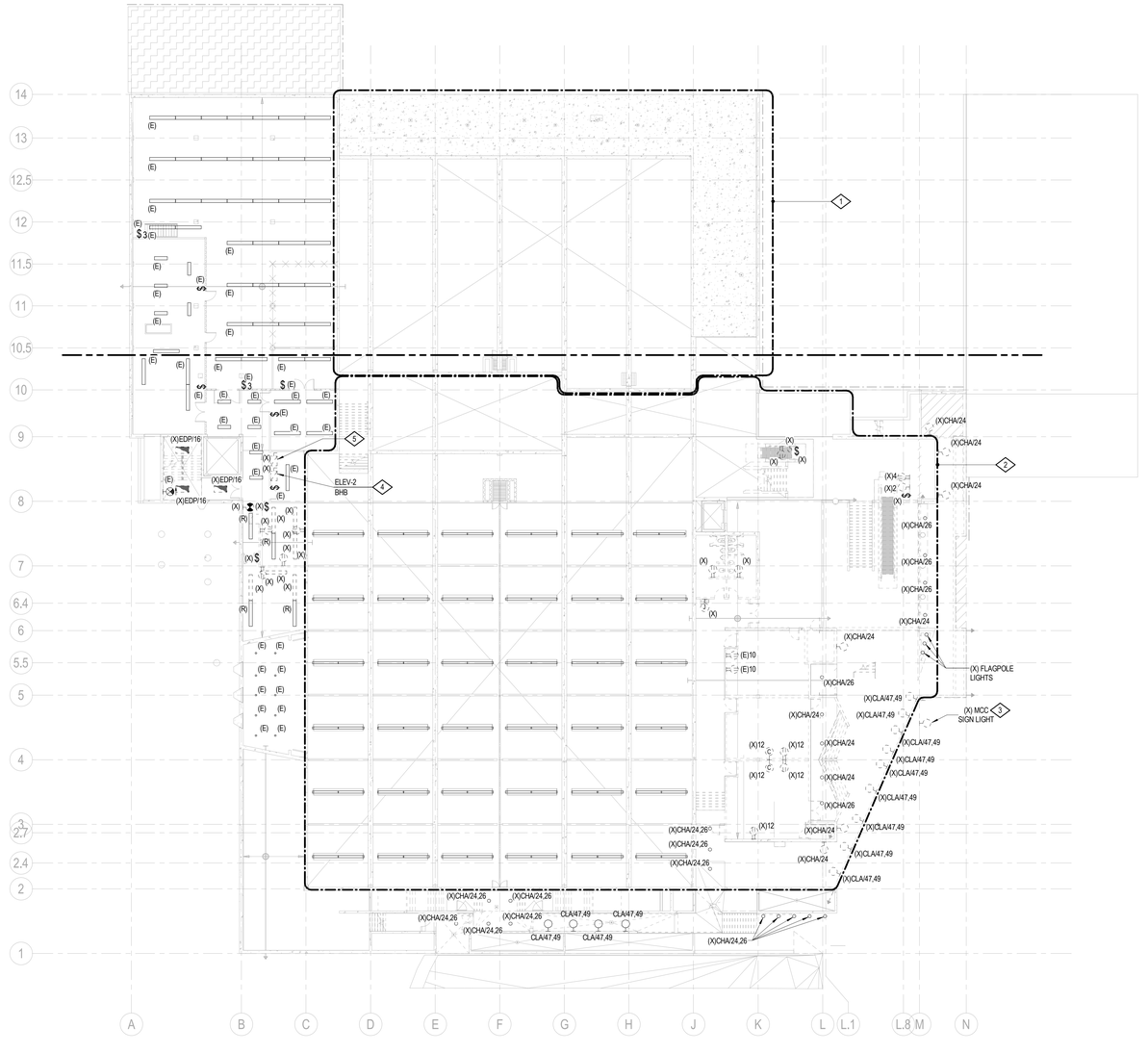
SHEET NOTES:

A. REMOVE EXISTING LIGHTING AND POWER DEVICES IN WALLS/ FLOORS/ CEILINGS TO BE DEMOLISHED, UON. REFER TO ARCHITECTURAL DRAWINGS FOR FULL DEMOLITION SCOPE.

B. ALL EQUIPMENT AND DEVICES SHOWN ON THIS SHEET ARE EXISTING TO REMAIN TO REMAIN, UON.

NUMBERED NOTES:

1. DE ANZA BALLROOM TO REMAIN IN FULL OPERATION THROUGHOUT RENOVATION. PROVIDE TEMPORARY POWER AS REQUIRED TO SUPPORT ALL SERVICES ASSOCIATED WITH THIS AREA (FIRE ALARM, TELECOM, BMS, HVAC, ETC). AREA SERVED BY PANELS AHD AND ALE. FIRE ALARM DEVICES TO BE REPLACED WITH NEW SPEAKERS/STROBES WITHIN THE SPACE. ALL OTHER EQUIPMENT TO REMAIN.
2. ALL LIGHTING FIXTURES, EXIT SIGNS AND CONTROLS IN THIS AREA SHALL BE REMOVED, UON.
3. CIRCUIT NUMBER/SOURCE UNKNOWN.
4. REMOVE EXISTING ELEVATOR CONTROLLER AND FEEDER TO MOTOR.
5. REMOVE EXISTING DISCONNECT FOR ELEVATOR CAB LIGHTS AND FAN.



1 MEZZANINE LEVEL- POWER PLAN - DEMO
1/16" = 1'-0"

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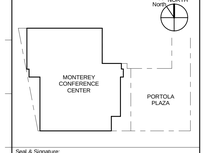
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015
1	ADDENDUM 1	11 SEPT 2015

Key Plan:



Seal & Signature:

REGISTERED PROFESSIONAL ENGINEER
AMANDA T. BISHOP
No. E17287
ELECTRICAL
STATE OF CALIFORNIA

Sheet Name:

ELECTRICAL DEMOLITION PLAN - MEZZANINE LEVEL

Project No.: Project Number	Sheet No.: ED2.02
Drawn By: Author	
Checked By: Checker	
Scale: 1/16" = 1'-0"	

9/2015 11:04:47 AM

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CAO RISK

SHEET NOTES:

A. PROVIDE CONDUIT WIRE FOR CIRCUITING AND SWITCHING SHOWN.

B. VERIFY EXACT LOCATION OF ALL DEVICES/FIXTURES WITH ARCHITECT PRIOR TO ROUGH-IN.

C. ALL WORK ON THIS SHEET IS NEW, UON.

D. CONNECT ALL 277V EMERGENCY LIGHTING TO PANEL ECHA, UON .

E. CONNECT ALL NORMAL POWER 277V LIGHTING TO PANEL AHB, UON.

F. CONDUIT ROUTES SHOWN ARE APPROXIMATE. REFER TO CIVIL PLANS FOR EXACT ROUTING.

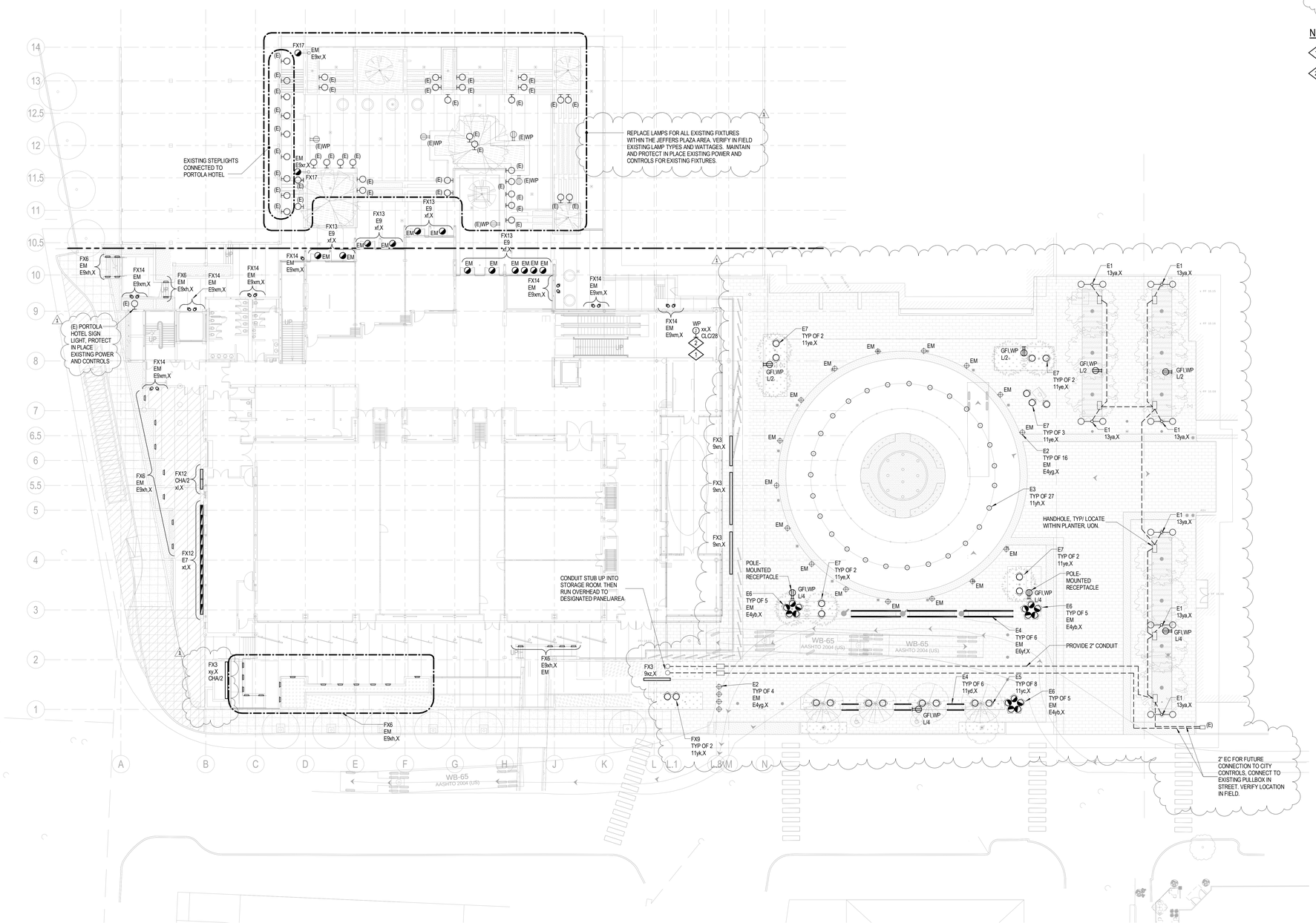
G. REFER TO ARCHITECTURAL LIGHTING SPECIFICATIONS FOR FIXTURE TYPES. CONNECT EACH FIXTURE WITH 2#10 + 1#10GND IN 3/4" CONDUIT, UON.

1 H. MAINTAIN SEPARATE RACEWAYS AND BOXES FOR E1 FIXTURES TO ALLOW FOR FUTURE CONNECTION TO CITY POWER AND CONTROL SYSTEM.

NUMBERED NOTES:

1 PORTOLA HOTEL SIGNAGE LIGHTING ON TOP OF ROOF. COORDINATE EXACT LOCATION WITH ARCHITECT.

2 CONNECTION TO SIGNAGE LIGHTING, CONTROL VIA TIMECLOCK/PHOTOCELL. POWER REQUIREMENTS TO BE CONFIRMED.



1 ELECTRICAL SITE PLAN
1/16" = 1'-0"

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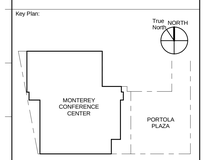
	90% PROJECT COMPLETION	28 JULY 2015
	PORTOLA PLAZA PERMIT SET	03 AUG 2015
	BID SET	26 AUG 2015
1	ADDENDUM 1	11 SEPT 2015

Key Plan:



Seal & Signature:

REGISTERED PROFESSIONAL ENGINEER
AMANDA J. STOPHLET
No. E17287
ELECTRICAL
STATE OF CALIFORNIA

Sheet Name:

ELECTRICAL SITE PLAN

Project No.: Project Number
Drawn By: Author
Checked By: Checker
Scale: 1/16" = 1'-0"

Sheet No.: E1.01

Approved as to Form CAO RISK

2/2/2015 11:45:39 AM

NUMBERED NOTES:

1. PROVIDE 120V CONNECTION TO POWER ASSIST DOOR.
2. EXISTING CONTROL PANEL FOR MOTORIZED PROJECTION SCREEN AND CURTAIN.
3. REMEDIATE EXISTING FLOOR BOXES WITH NEW COVERS AND DEVICES. CONFIRM FINISH WITH ARCHITECT.
4. CONNECTION TO MOTORIZED LIFT.
5. RECONNECT EXISTING DEVICE TO PANEL/CIRCUIT INDICATED.
6. CONNECT DOOR RELEASE MECHANISM TO SMOKE DETECTOR VIA FIRE ALARM SYSTEM.
7. CONNECTION TO IRRIGATION CONTROLLER. VERIFY EXACT LOCATION WITH IRRIGATION INSTALLER PRIOR TO ROUGH IN.

SHEET NOTES:

A. THE FIRE MANAGEMENT SYSTEM CONTRACT IS A PERFORMANCE-BASED CONTRACT. THE CONTRACTOR WILL DEVELOP A COMPLETE SET OF CODE-COMPLIANT AND FULLY COORDINATED CONSTRUCTION DOCUMENTS TO THE SATISFACTION OF THE STATE GOVERNING BODIES. THE FIRE ALARM SYSTEM MANUFACTURER SHALL PROVIDE ALL REQUIRED PERMITS AND APPROVALS. THE FIRE MANAGEMENT SYSTEM CONTRACTOR SHALL PROVIDE ALL DEVICES AND ACCESSORIES IN THE QUANTITIES AND LOCATIONS NECESSARY FOR A FULLY FUNCTIONAL AND CODE-COMPLIANT SYSTEM. THE CONTRACTOR SHALL FURNISH AND INSTALL ADDITIONAL DEVICES FOR THE FIRE ALARM AND VOICE EVACUATION SYSTEM TO MEET REQUIREMENTS OF THE LOCAL FIRE DEPARTMENT PLANS REVIEW OFFICE.

B. ALL EQUIPMENT ON SHEET IS NEW, UON.

C. PROVIDE CONDUIT AND WIRE FOR CIRCUITING AND SWITCHING SHOWN.

D. VERIFY EXACT LOCATION OF DEVICES WITH ARCHITECT PRIOR TO ROUGH IN.

E. REFER TO SPECIAL FLOOR AND WALL BOX SCHEDULE ON SHEET E0.02 FOR DETAILS ON SPECIAL RECEPTACLES, COMPANY SWITCHES AND FLOORBOXES.

CONNECT 120/208V NORMAL POWER EQUIPMENT IN THIS AREA TO ALD, UON.

CONNECT 277/480V NORMAL POWER EQUIPMENT IN THIS AREA TO AHC, UON.

CONNECT 120/208V NORMAL POWER EQUIPMENT IN THIS AREA TO ALB, UON.

CONNECT 277/480V NORMAL POWER EQUIPMENT IN THIS AREA TO AHA, UON.

1 / E2.01.2

MECHANICAL 110 · WEST VESTIBULE 113 · STAIR 3 · STAIR 5 · ELEVATOR 2 · CONFERENCE RM. LOBBY 102 · MEN'S TOILET 104A · WOMEN'S TOILET 103A · VESTIBULE 104 · VESTIBULE 103 · ELEVATOR 1 · NORTH DRESS RM 109C · PLATFORM 109 · SERRA BALLROOM WEST 108 · SERRA BALLROOM EAST 107 · MAIN LOBBY 101 · SOUTH DRESS RM 109A · MECH 101A · SERVICE TIBULE 106 · STORAGE 108F · MEP/E/IDF 107H · EAST HALL 107A · WOMEN'S TOILET 108D · MEN'S TOILET 108B · MEN'S TOILET 107B · WOMEN'S TOILET 107D · TELEPHONE & ELEC EQUIP 107G

(E)AMCC · CWP-1 AMCC · CWP-2 AMCC · (E)ALD/43 · (E)ALD/44 · (R)RELOCATE TO NEW WALL POSITION · (E)MOTORIZED PARTITION AHC/16,18,20 · (E)PASS THROUGH IN WALL FOR TEMPORARY CABLING · C4 MSBH · (R) EXISTING 400A COMPANY SWITCH RELOCATED FROM STAGE. · (E)ALD/66 · (E)ALD/39 · (E)ALD/37 · (E)ALB/37 · (E)ALB/41 · (E)ALB/39 · (E)35 · (E)BLA/25 · (E)VACUUM AHA · CONNECT 120/208V NORMAL POWER EQUIPMENT IN THIS AREA TO BLA, UON. · EF-25 BLC · LOCATED IN ESCALATOR PIT · PEDESTAL MOUNTED DEVICES · BLA/27 · ALB/83 · ALB/33 · ACU-4 BLC · MSBL BLC/16 · AELA/16 · AHU-10 AHA · FARA · BMS · L/S · 12" X 12" PASS THROUGH IN WALL AT FLOOR LEVEL FOR TEMPORARY CABLING. REFER TO DETAIL 6/S6.00 FOR OPENINGS IN EXISTING WALLS.

1 LEVEL 1- POWER PLAN - SOUTH
1/8" = 1'-0"

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8/27/15 11:07:22 AM

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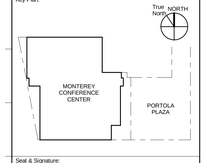
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015
1	ADDENDUM 1	11 SEPT 2015

Key Plan:



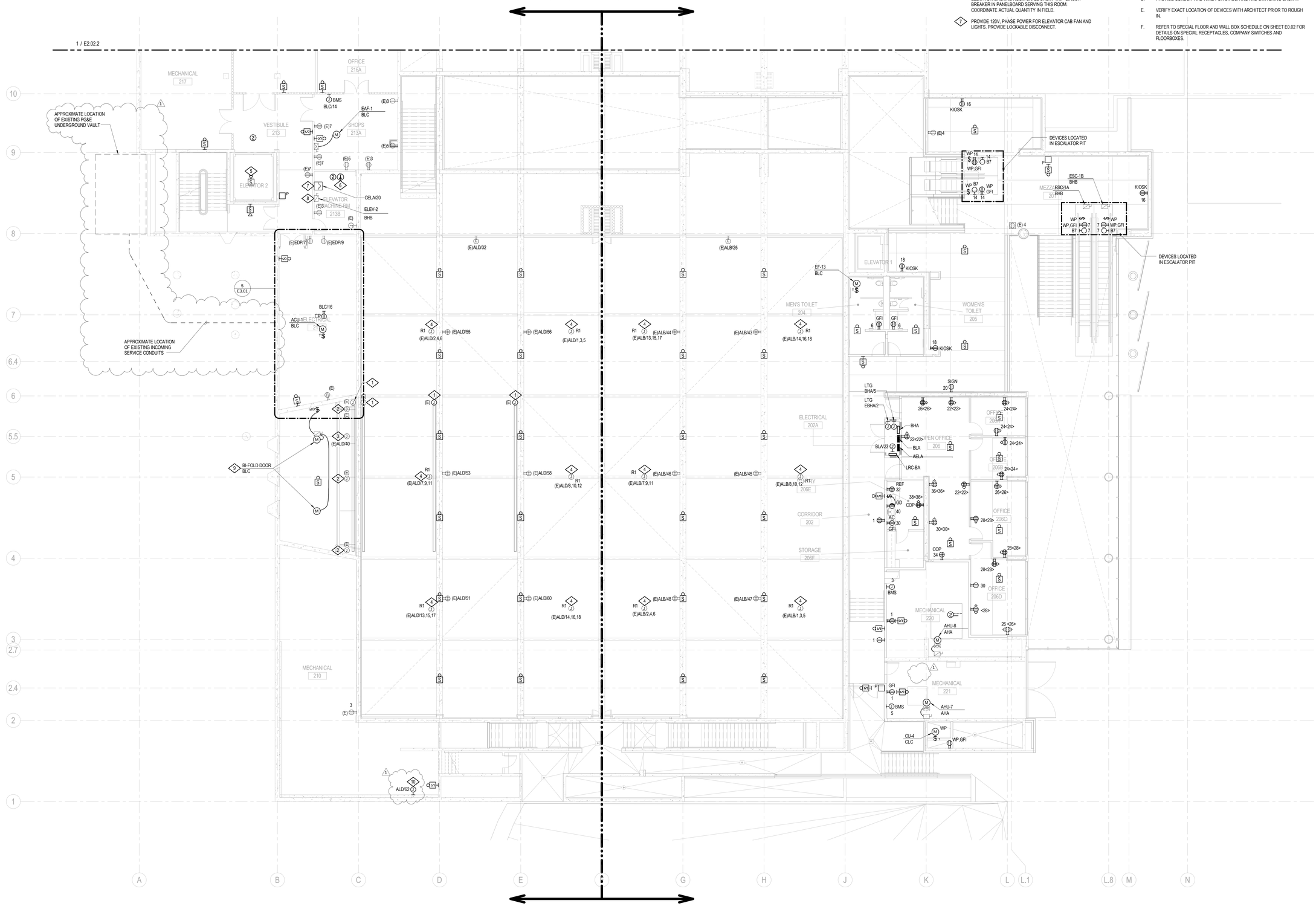
Seal & Signature:

REGISTERED PROFESSIONAL ENGINEER · AMANDA J. BOWMAN · No. E17287 · ELECTRICAL · STATE OF CALIFORNIA

Sheet Name:

ELECTRICAL - POWER PLAN - LEVEL 01 - SOUTH

Project No.: Project Number
Drawn By: Author
Checked By: Checker
Scale: 1/8" = 1'-0"
Sheet No.: E2.01.1



1 MEZZANINE LEVEL- POWER PLAN - NORTH
1/8" = 1'-0"

NUMBERED NOTES:

1. EXISTING POWER TRUSS FOR PORTABLE LIGHTING/EQUIPMENT TO REMAIN. CONNECTED TO DB-2.
2. EXISTING CURTAIN POWER CONNECTION TO REMAIN.
3. EXISTING PROJECTION SCREEN CONNECTION TO REMAIN.
4. EXISTING CABLE REEL LOCATED IN CEILING. REMOVE EXISTING APPLETON -CONNECTOR AND REPLACE WITH PIN-AND-SLEEVE CONNECTOR (560P9W).
5. PROVIDE SPEAKER TO ELEVATOR CONTRACTOR FOR INSTALLATION IN ELEVATOR CAB.
6. PROVIDE HEAT DETECTORS (VERIFY NUMBER REQUIRED) WITHIN 2 FEET OF EACH SPRINKLER HEAD. ACTIVATION OF HEAT DETECTOR IN ELEVATOR SHAFT OR CORRESPONDING ELEVATOR MACHINE ROOM SHALL SHUNT TRIP CIRCUIT BREAKER IN PANELBOARD SERVING THIS ROOM. COORDINATE ACTUAL QUANTITY IN FIELD.
7. PROVIDE 120V, PHASE POWER FOR ELEVATOR CAB FAN AND LIGHTS. PROVIDE LOCKABLE DISCONNECT.
8. PROVIDE LOCKABLE DISCONNECT. CONNECT TO SHUNT TRIP BREAKER IN PANELBOARD. VERIFY FUSE AND WIRE SIZE WITH ELEVATOR CONTRACTOR PRIOR TO ROUGH-IN.
9. CONNECTION TO VERTICAL BI-FOLD DOOR. PROVIDE CONNECTION TO MOTORS, PUSHBUTTONS, LIMIT SWITCHES, ETC. FOR A COMPLETE AND OPERABLE SYSTEM. VERIFY CONTROL DEVICE/PANEL LOCATIONS WITH ARCHITECT.
10. CONNECTION TO IRRIGATION CONTROLLER. VERIFY EXACT LOCATION WITH IRRIGATION INSTALLER PRIOR TO ROUGH IN.

SHEET NOTES:

A. THE FIRE MANAGEMENT SYSTEM CONTRACT IS A PERFORMANCE-BASED CONTRACT. THE CONTRACTOR WILL DEVELOP A COMPLETE SET OF CODE-COMPLIANT AND FULLY COORDINATED CONSTRUCTION DOCUMENTS TO THE SATISFACTION OF THE STATE GOVERNING BODIES. THE FIRE ALARM SYSTEM MANUFACTURER SHALL PROVIDE ALL REQUIRED PERMITS AND APPROVALS. THE FIRE MANAGEMENT SYSTEM CONTRACTOR SHALL PROVIDE ALL DEVICES AND ACCESSORIES IN THE QUANTITIES AND LOCATIONS NECESSARY FOR A FULLY FUNCTIONAL AND CODE-COMPLIANT SYSTEM. THE CONTRACTOR SHALL FURNISH AND INSTALL ADDITIONAL DEVICES FOR THE FIRE ALARM AND VOICE EVACUATION SYSTEM TO MEET REQUIREMENTS OF THE LOCAL FIRE DEPARTMENT PLANS REVIEW OFFICE.

B. ALL EQUIPMENT ON SHEET IS NEW, UON.

C. ALL CONTROLLED RECEPTACLES SHOWN ON PLANS SHALL BE SWITCHED BY THE OCCUPANCY SENSOR ZONE IN WHICH THE OUTLET IS LOCATED, UON.

D. PROVIDE CONDUIT AND WIRE FOR CIRCUITING AND SWITCHING SHOWN.

E. VERIFY EXACT LOCATION OF DEVICES WITH ARCHITECT PRIOR TO ROUGH IN.

F. REFER TO SPECIAL FLOOR AND WALL BOX SCHEDULE ON SHEET E0.02 FOR DETAILS ON SPECIAL RECEPTACLES, COMPANY SWITCHES AND FLOORBOXES.

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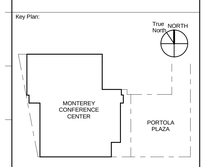
1	ADDENDUM 1	11 SEPT 2015

Key Plan:


Seal & Signature:

Sheet Name:
ELECTRICAL - POWER PLAN - MEZZANINE LEVEL - SOUTH

Project No.:	Sheet No.:
Project Number	E2.02.1
Drawn By: Author	
Checked By: Checker	
Scale: 1/8" = 1'-0"	

2/2015 11:02:36 AM
Approved as to Form
CAO RDM

NUMBERED NOTES:

1. DEVICE LOCATED IN CEILING BEAM EXTRUSION. REFER TO ARCHITECTURAL PLANS/DETAILS.
2. PROVIDE SPEAKER TO ELEVATOR CONTRACTOR FOR INSTALLATION IN ELEVATOR CAB.
3. NOT USED.
4. LOCATED AT TOP OF ELEVATOR SHAFT. COORDINATE EXACT LOCATION SO THAT DEVICES ARE ACCESSIBLE VIA ACCESS PANEL.
5. PROVIDE HEAT DETECTORS (VERIFY NUMBER REQUIRED) WITHIN 2 FEET OF EACH SPRINKLER HEAD. ACTIVATION OF HEAT DETECTOR IN ELEVATOR SHAFT OR CORRESPONDING ELEVATOR MACHINE ROOM SHALL SHUNT TRIP CIRCUIT BREAKER IN PANELBOARD SERVING THIS ROOM. COORDINATE ACTUAL QUANTITY IN FIELD.
6. NO EXPOSED CONDUIT SHALL BE INSTALLED IN THE STEINBECK BALLROOM WITHOUT WRITTEN AUTHORIZATION BY THE ARCHITECT.
7. EXTEND 120V POWER CONNECTIONS TO ADDITIONAL LOCATIONS AS REQUIRED.

SHEET NOTES:

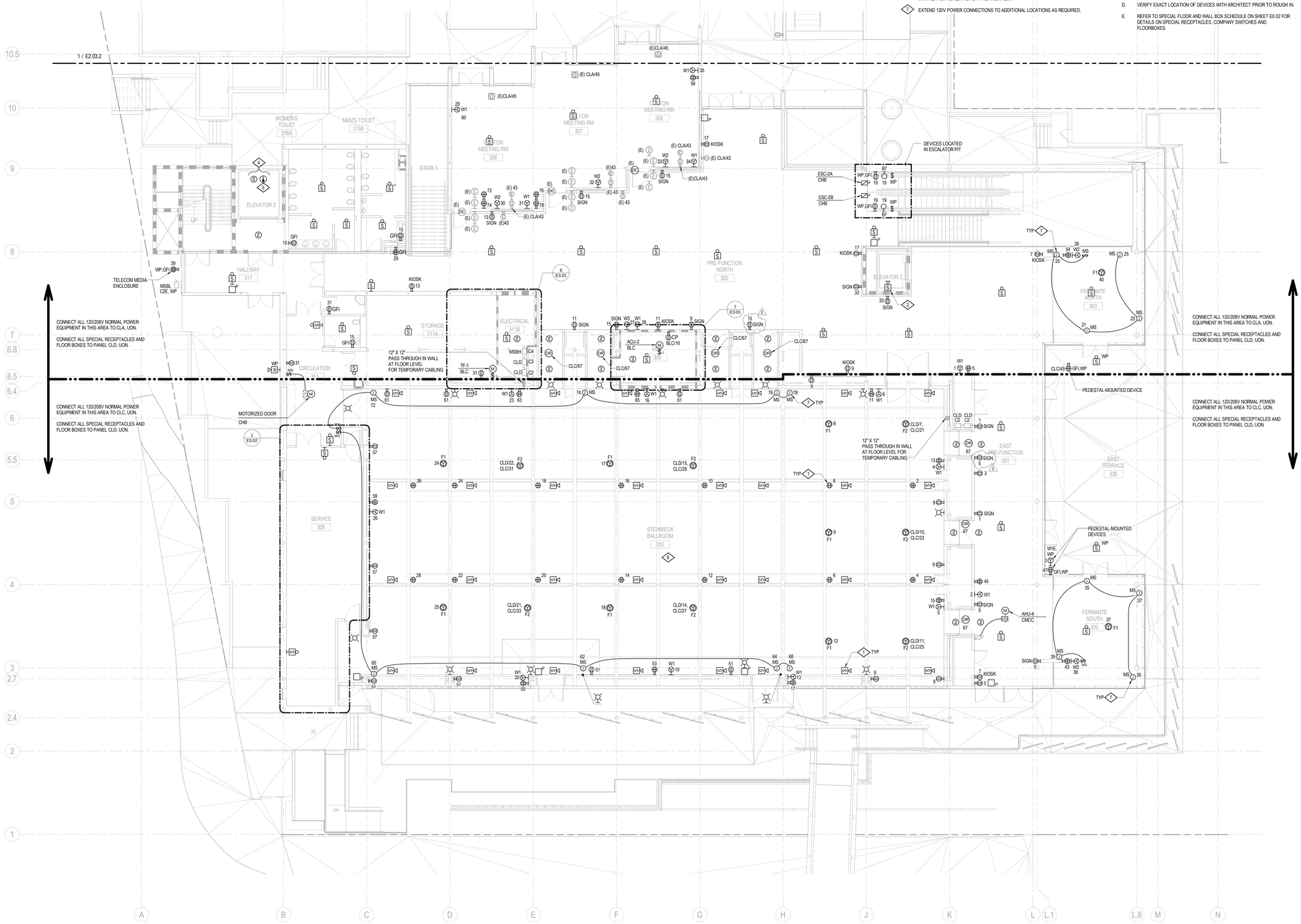
A. THE FIRE MANAGEMENT SYSTEM CONTRACT IS A PERFORMANCE-BASED CONTRACT. THE CONTRACTOR WILL DEVELOP A COMPLETE SET OF CODE-COMPLIANT AND FULLY COORDINATED CONSTRUCTION DOCUMENTS TO THE SATISFACTION OF THE STATE GOVERNING BODIES. THE FIRE ALARM SYSTEM MANUFACTURER SHALL PROVIDE ALL REQUIRED PERMITS AND APPROVALS. THE FIRE MANAGEMENT SYSTEM CONTRACTOR SHALL PROVIDE ALL DEVICES AND ACCESSORIES IN THE QUANTITIES AND LOCATIONS NECESSARY FOR A FULLY FUNCTIONAL AND CODE-COMPLIANT SYSTEM. THE CONTRACTOR SHALL FURNISH AND INSTALL ADDITIONAL DEVICES FOR THE FIRE ALARM AND VOICE EVACUATION SYSTEM TO MEET REQUIREMENTS OF THE LOCAL FIRE DEPARTMENT PLANS REVIEW OFFICE.

B. ALL EQUIPMENT ON SHEET IS NEW, UON.

C. PROVIDE CONDUIT AND WIRE FOR CIRCUITING AND SWITCHING SHOWN.

D. VERIFY EXACT LOCATION OF DEVICES WITH ARCHITECT PRIOR TO ROUGH IN.

E. REFER TO SPECIAL FLOOR AND WALL BOX SCHEDULE ON SHEET E0.02 FOR DETAILS ON SPECIAL RECEPTACLES, COMPANY SWITCHES AND FLOORBOXES.



1 LEVEL 2- POWER PLAN - SOUTH
1/8" = 1'-0"

Approved as to Form CAO RISK
Agreement #: Ag-5097 - Page 339 of 429

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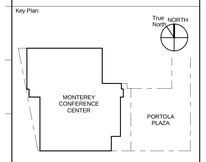
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015
1	ADDENDUM 1	11 SEPT 2015

Key Plan:



Seal & Signature:

REGISTERED PROFESSIONAL ENGINEER
ANDREW J. BIERWAGEN
No. E17287
ELECTRICAL
STATE OF CALIFORNIA

Sheet Name:

ELECTRICAL - POWER PLAN - LEVEL 2 - SOUTH

Project No.: Project Number	Sheet No.: E2.03.1
Drawn By: Author	
Checked By: Checker	
Scale: 1/8" = 1'-0"	

8/20/2015 1:02:52 AM

SHEET NOTES:

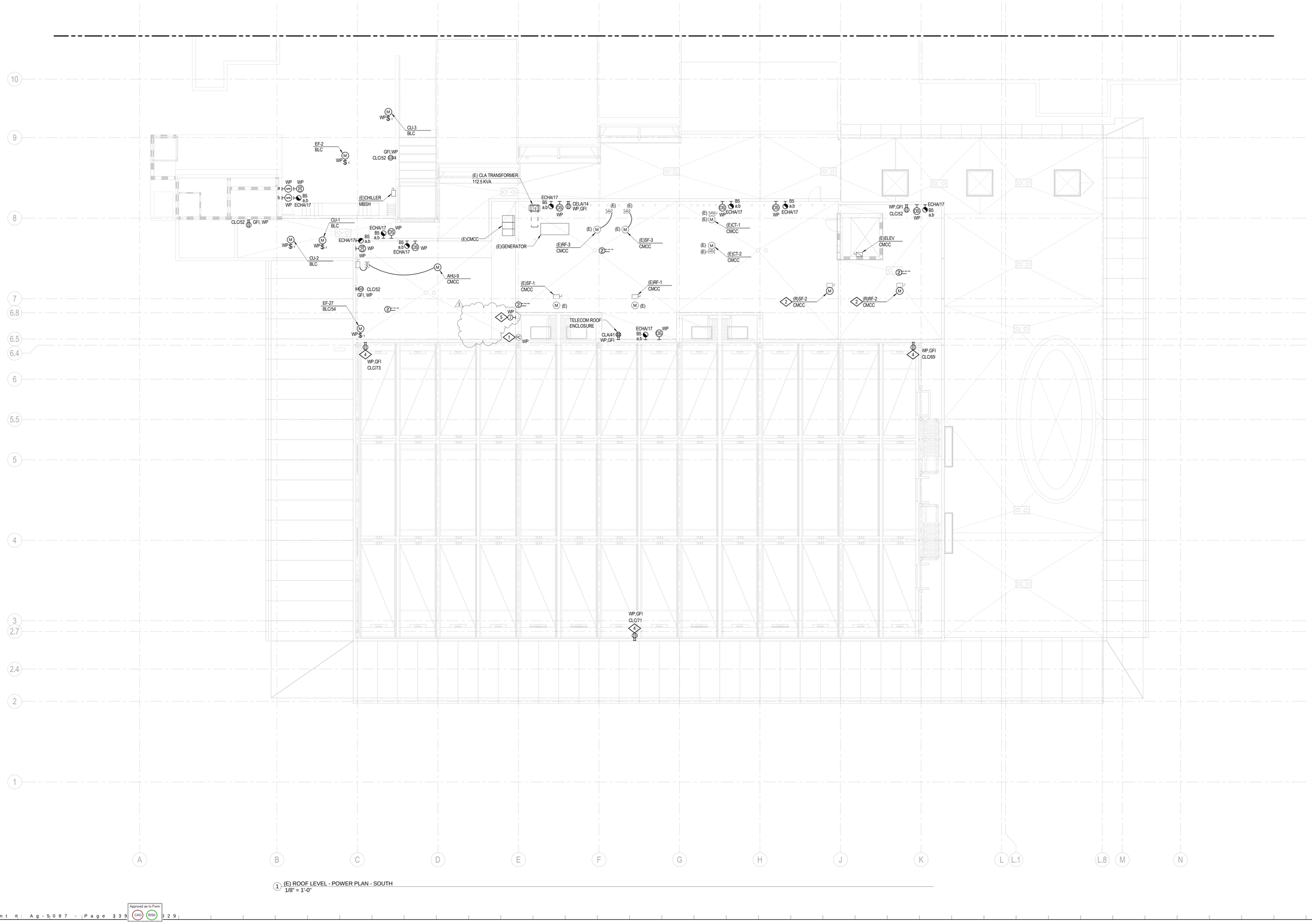
A. ALL EQUIPMENT ON THIS SHEET IS NEW, UON.

B. PROVIDE CONDUIT AND WIRE FOR CIRCUITING SHOWN.

C. VERIFY EXACT LOCATION OF DEVICES WITH ARCHITECT PRIOR TO ROUGH IN.

NUMBERED NOTES:

1. EXTERIOR PHOTOCELL FOR CONTROL OF EXTERIOR LIGHTS. LOCATE ON ROOF FACING NORTH.
2. REPLACE EXISTING FEEDER WITH NEW.
3. PROVIDE UNISTRAT SUPPORT AS REQUIRED.
4. CONNECTION TO BIRD CONTROL EQUIPMENT ON UPPER ROOF. VERIFY EXACT LOCATION WITH MANUFACTURER/INSTALLER.
5. JUNCTION BOX WITH CONDUIT STUBBED INTO ELECTRICAL ROOM 311B FOR FUTURE PHOTOVOLTAIC SYSTEM. REFER TO E5.02 FOR MORE INFORMATION.



1 (E) ROOF LEVEL - POWER PLAN - SOUTH
1/8" = 1'-0"

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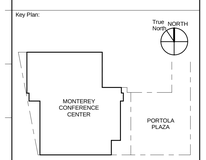
	BID SET	26 AUG 2015
1	ADDENDUM 1	11 SEPT 2015

Key Plan:



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Sheet Name:

ELECTRICAL - POWER PLAN - ROOF LEVEL - SOUTH

Project No.: Project Number	Sheet No.: E2.04.1
Drawn By: Author	
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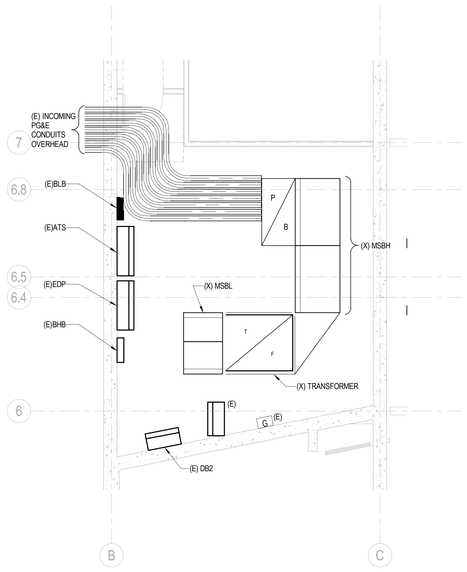
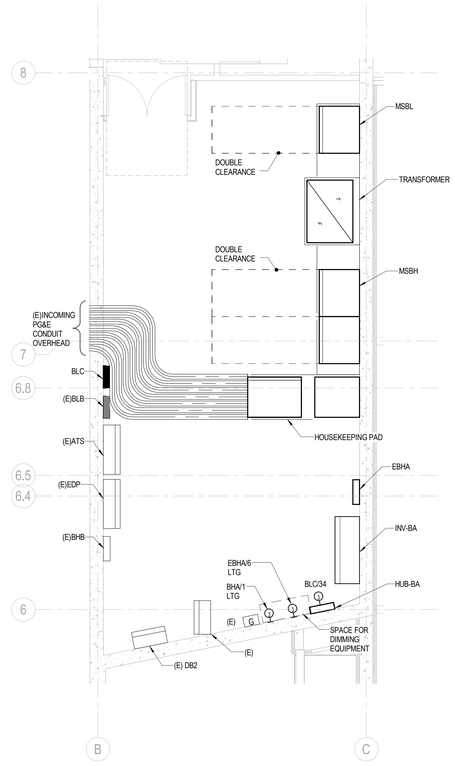
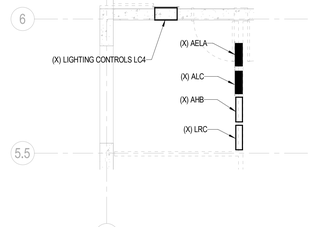


8 ENLARGED PLAN - EXISTING MAIN ELECTRICAL ROOM 211 DEMO PLAN
1/4" = 1'-0"



5 ENLARGED PLAN - MAIN ELECTRICAL ROOM 211
1/4" = 1'-0"



1 ENLARGED PLAN - EXISTING LEVEL 1 ELECTRICAL ROOM DEMO PLAN
1/4" = 1'-0"

SHEET NOTES:

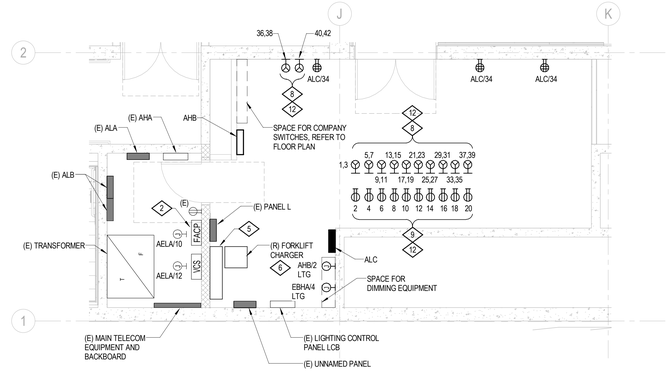
A. ALL EQUIPMENT ON SHEET IS NEW, UON.

B. PROVIDE CONDUIT AND WIRE FOR CIRCUITING SHOWN.

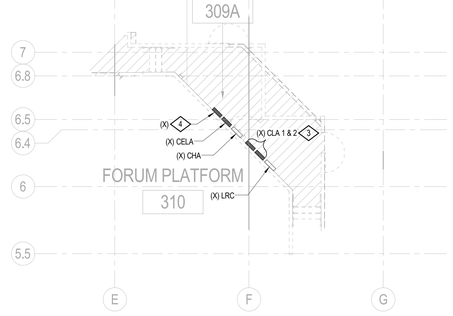
C. VERIFY EXACT LOCATION OF DEVICES WITH ARCHITECT PRIOR TO ROUGH IN.

NUMBERED NOTES:

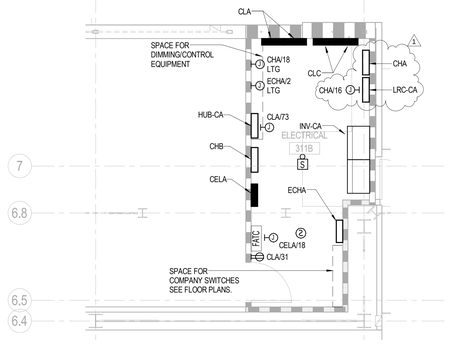
1. ALL EXISTING EQUIPMENT IN THIS SPACE SERVES DE ANZA BALLROOM AND SHALL REMAIN IN SERVICE THROUGHOUT THE RENOVATION.
2. EXISTING FIRE ALARM SYSTEM TO BE REPLACED WITH NEW EQUIPMENT TO BE INSTALLED IN PARALLEL TO EXISTING TRANSFERRING EXISTING DEVICES TO REMAIN TO NEW SYSTEM SUBSEQUENT TO FUNCTIONAL TESTING OF NEW SYSTEM AND DEVICES. COMPLETE SYSTEM SHALL BE FULLY RETESTED AND EXISTING SYSTEM REMOVED.
3. COMBINATION RELAY/BREAKER PANELBOARD.
4. UNIDENTIFIED PANELBOARD SERVING COLTON AND FERRANTE OUTLETS AND HALLWAY OUTLETS.
5. MISCELLANEOUS FOUNTAIN AND PLAZA EQUIPMENT.
6. RELOCATE FORKLIFT CHARGER TO LOCATION DESIGNATED BY OWNER.
7. PROVIDE POWER FOR DE ANZA FIRE ALARM SYSTEM DURING RENOVATION.
8. PROVIDE NEMA L6-30R RECEPTACLE MOUNTED TO CABLE TRAY.
9. PROVIDE NEMA L5-20R RECAPTACLE MOUNTED TO CABLE TRAY.
10. CONNECT RECEPTACLES TO PANEL CLB, UON.
11. CONNECT RECEPTACLES TO PANEL ALG, UON.
12. CONNECT RECEPTACLE TO PANEL ALC, UON.



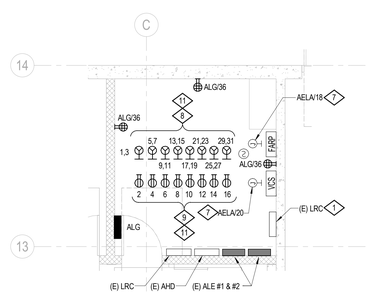
2 ENLARGED PLAN - LEVEL 1 ELECTRICAL 107G/IDF 107H
1/4" = 1'-0"



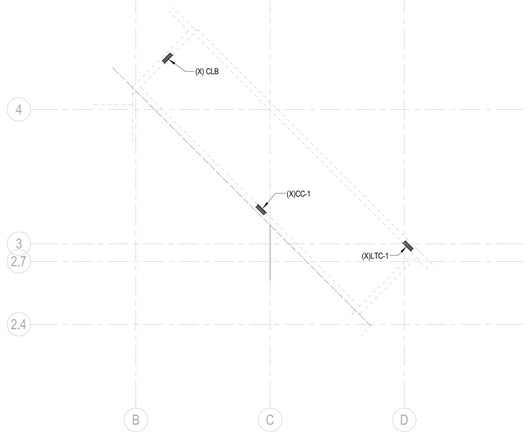
9 ENLARGED PLAN - EXISTING PLATFORM LEVEL ELECTRICAL ROOM DEMO PLAN
1/8" = 1'-0"



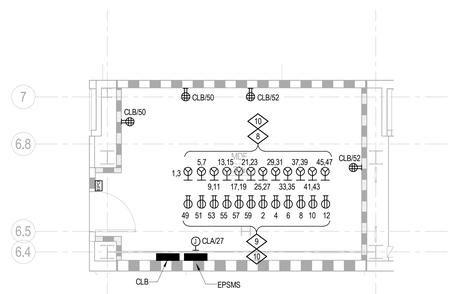
6 ENLARGED PLAN - ELECTRICAL ROOM 311B
1/4" = 1'-0"



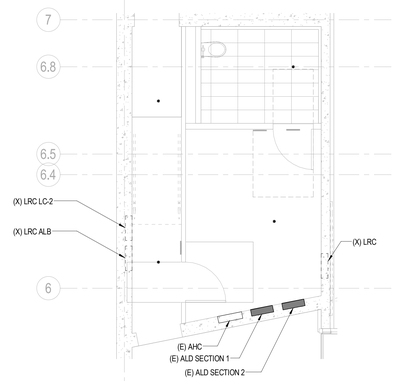
3 ENLARGED PLAN - ELEC/IDF 112B
1/4" = 1'-0"



10 ENLARGED PLAN - EXISTING PROJECTION ROOM DEMO PLAN
1/8" = 1'-0"



7 ENLARGED PLAN - MDF 305
1/4" = 1'-0"



4 ENLARGED PLAN - NORTH DRESS ROOM 109C
1/4" = 1'-0"

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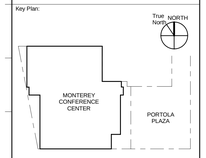
1	ADDENDUM 1	11 SEPT 2015

Key Plan:



Seal & Signature:

REGISTERED PROFESSIONAL ENGINEER
AMANDA J. BIGWARFE
No. E17287
ELECTRICAL
STATE OF CALIFORNIA

Sheet Name:

ELECTRICAL ENLARGED PLANS

Project No.:	Sheet No.:
Project Number	E3.01
Drawn By: Author	
Checked By: Checker	
Scale: As indicated	

Agreement #: Ag-5097 - Page 339 of 429
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8/6/2015 1:10:13 AM

NUMBERED NOTES:

1. PROVIDE UL924 RELAY FOR FIXTURES IN THIS ROOM.
2. PROVIDE 3A CURRENT LIMITER.
3. SWITCH ACTS AS 2-HOUR OVERRIDE FOR PREFUNCTION AREAS.
4. MAINTAIN CONNECTION AND EXISTING CONTROLS TO EXISTING DISPLAY CASE LIGHTING. VERIFY IN FIELD.

SHEET NOTES:

A. ALL EQUIPMENT AND DEVICES ARE NEW, UON.

B. PROVIDE CONDUIT AND WIRE FOR CIRCUITING AND SWITCHING SHOWN.

C. VERIFY EXACT LOCATION OF DEVICES WITH ARCHITECT PRIOR TO ROUGH IN.

D. ALL EXIT SIGNS SHALL BE TYPE "X1". UON. RUN UNSWITCHED CIRCUIT TO EACH EXIT SIGN FROM EMERGENCY CIRCUIT.

E. CONNECT ALL 277V EMERGENCY LIGHTING ON THIS SHEET TO PANEL EBHA, UON.

F. REFER TO SHEET E4.01 FOR DAYLIT ZONES.

ALL LIGHTING AND CONTROLS IN THIS AREA ARE EXISTING TO REMAIN. UON. LIGHTING IS CONNECTED TO PANEL "AHE"

ALL LIGHTING AND CONTROLS IN THIS AREA IS EXISTING TO REMAIN. UON. LIGHTING ARE CONNECTED TO PANEL "AHE"

ALL LIGHTING AND CONTROLS IN THIS AREA ARE EXISTING TO REMAIN.

CONNECT ALL 277V NORMAL LIGHTING IN THIS AREA TO PANEL BHA, UON

CONNECT 120/208V NORMAL POWER EQUIPMENT IN THIS AREA TO ALD, UON.

CONNECT 277/480V NORMAL POWER EQUIPMENT IN THIS AREA TO AHC, UON.

CONNECT 120/208V NORMAL POWER EQUIPMENT IN THIS AREA TO ALB, UON.

CONNECT 277/480V NORMAL POWER EQUIPMENT IN THIS AREA TO AHB, UON.

1 LEVEL 1 - ELECTRICAL LIGHTING PLAN - SOUTH
1/8" = 1'-0"

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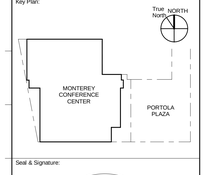
1	ADDENDUM 1	11 SEPT 2015

Key Plan:



Seal & Signature:

REGISTERED PROFESSIONAL ENGINEER
AMANDA J. SIGWARTH
No. E17287
ELECTRICAL
STATE OF CALIFORNIA

Sheet Name:

ELECTRICAL - LIGHTING PLAN - LEVEL 01 - SOUTH

Project No.: Project Number
Drawn By: Author
Checked By: Checker
Scale: 1/8" = 1'-0"

Sheet No.: E4.01.1

SHEET NOTES:

A. ALL EQUIPMENT AND DEVICES ARE NEW, UON.

B. PROVIDE CONDUIT AND WIRE FOR CIRCUITING AND SWITCHING SHOWN.

C. VERIFY EXACT LOCATION OF DEVICES WITH ARCHITECT PRIOR TO ROUGH IN.

D. ALL EXIT SIGNS SHALL BE TYPE "X1", UON. RUN UNSWITCHED CIRCUIT TO EACH EXIT SIGN FROM EMERGENCY CIRCUIT.

E. CONNECT ALL 277V EMERGENCY POWER LIGHTING ON THIS SHEET TO PANEL EBHA, UON.

F. REFER TO SHEET E4.02 FOR DAYLIT ZONES.

NUMBERED NOTES:

1. INFRARED PARTITION SENSOR FOR LIGHTING CONTROL SYSTEM.
2. SWITCH ACTS AS 2-HOUR OVERRIDE FOR PREFUNCTION AREAS.
3. PROVIDE 3A CURRENT LIMITER.

FIXTURES AND CONTROLS IN THIS AREA ARE CONNECTED TO PANEL BHB AND ARE EXISTING TO REMAIN, UON

FIXTURES AND CONTROLS IN THIS AREA ARE EXISTING TO REMAIN, UON

FIXTURE TYPE A, TYP

CONNECT ALL 277/480V NORMAL POWER LIGHT FIXTURES TO PANEL BHB, UON.

CONNECT ALL 277/480V NORMAL POWER LIGHT FIXTURES TO PANEL BHA, UON.

CONNECT ALL 277/480V NORMAL POWER LIGHT FIXTURES TO PANEL AHB, UON.

CONNECT ALL 277/480V NORMAL POWER LIGHT FIXTURES TO PANEL AHB, UON.

CONNECT ALL 277/480V NORMAL POWER LIGHT FIXTURES TO PANEL BHA, UON.

2 MEZZANINE LEVEL - ELECTRICAL LIGHTING PLAN - SOUTH
1/8" = 1'-0"

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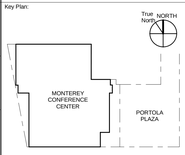
	BID SET	26 AUG 2015
1	ADDENDUM 1	11 SEPT 2015

Key Plan:



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Sheet Name:

ELECTRICAL - LIGHTING PLAN - MEZZANINE LEVEL - SOUTH

Project No.: Project Number	Sheet No.: E4.02.1
Drawn By: Author	
Checked By: Checker	
Scale: 1/8" = 1'-0"	

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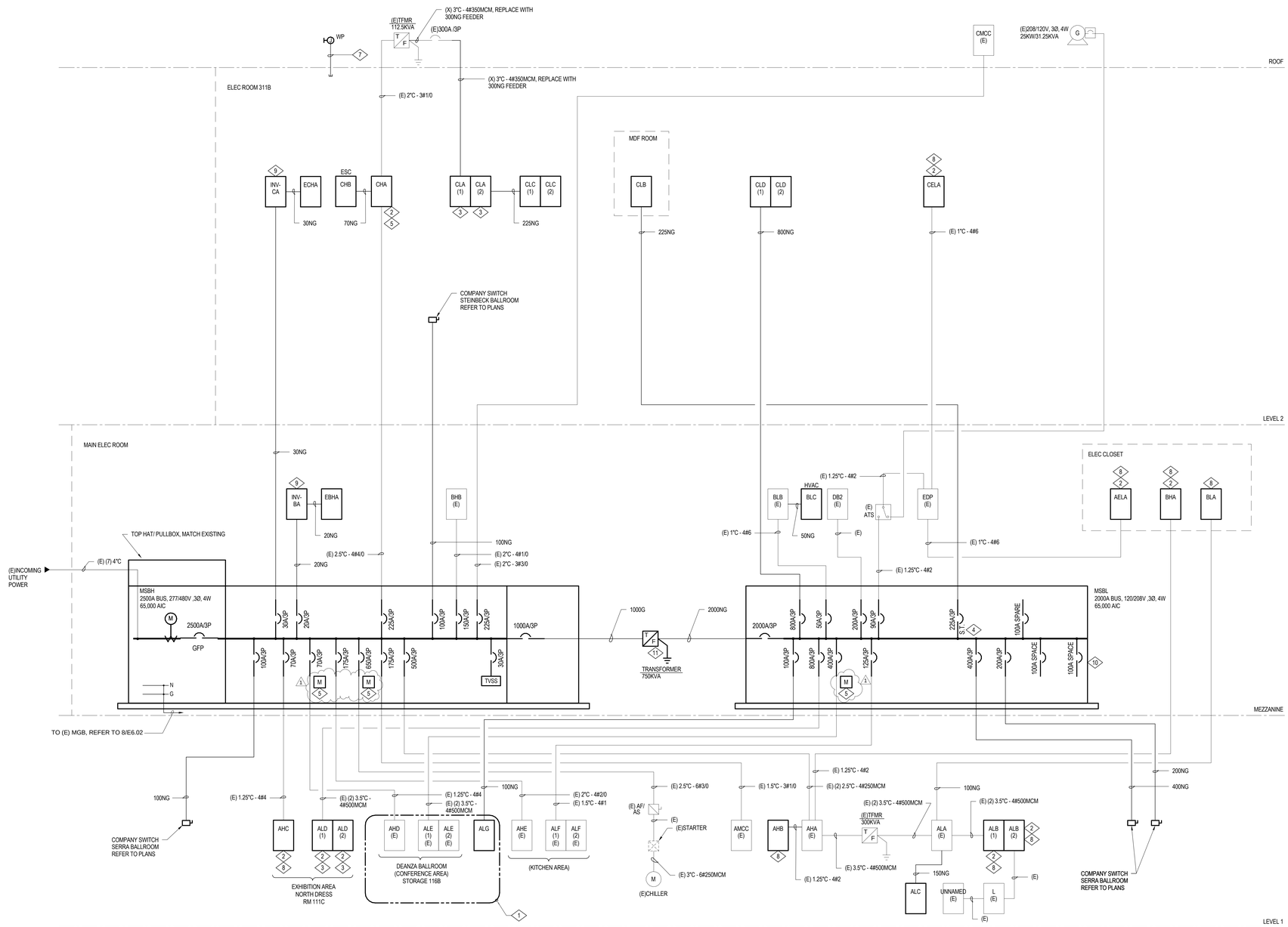

1 ELECTRICAL RISER - E502
12" = 1'-0"

SHEET NOTES

A. ALL EQUIPMENT IS NEW UON. REFER TO SHEET E5.01 FOR EXISTING CONDITION.

B. REFER TO SHEET E0.02 FOR WIRING SCHEDULE.

C. WHEN RECONNECTING EXISTING LOADS TO NEW PANELS, MAKE ALL TERMINATIONS AS REQUIRED. COORDINATE LUG SIZE AND TYPE WHEN PROCURING NEW PANELBOARDS.

D. ELECTRICAL CONTRACTOR SHALL PROVIDE PROPER SYSTEM AND EQUIPMENT GROUNDING CONDUCTORS FOR ALL EXISTING BRANCH CIRCUITS AND FEEDERS. GROUNDING CONDUCTORS SHALL BE SIZED AND INSTALLED AS REQUIRED BY NEC SECTION 250.

E. PERFORM IR SCAN OF ALL EXISTING EQUIPMENT AND SUBMIT SUMMARY OF FINDINGS IN REPORT FORMAT.

NUMBERED NOTES

1. EQUIPMENT SERVES DE ANZA BALLROOM AND SHALL REMAIN IN SERVICE THROUGHOUT THE RENOVATION.
2. EXTEND EXISTING FEEDER TO NEW PANEL LOCATION. MAKE ALL TERMINATIONS AS REQUIRED. COORDINATE LUG SIZE AND TYPE WHEN PROCURING PANELBOARD.
3. REPLACE PANEL WITH (2) 60 POLE SECTIONS.
4. CONNECT SHUNT TRIP TO MDF ROOM EPSMS (EPO).
5. PROVIDE INTEGRAL ELECTRONIC SUBMETER WITH VISUAL DISPLAY INDICATING VOLTAGE (V), CURRENT (A), REAL POWER (KW), DEMAND POWER (KW), ENERGY (KWH).
6. NOT USED
7. 3" EC TO ROOF FOR FUTURE PV CONNECTION. STUB AND CAP WITHIN LEVEL 2 ELECTRICAL ROOM FOR FUTURE CONNECTION TO FUTURE PV EQUIPMENT. PROVIDE 12" X 12" X 6" NEMA 4X BOX.
8. REPLACE EXISTING PANEL WITH NEW PANEL, RECONNECT EXISTING LOADS.
9. CENTRAL BATTERY LIGHTING INVERTER, 12.5 KVA (EBHA), 16.7 KVA (ECHA), 277/480V, 3 PHASE, 4 WIRE. STANDARD VRLA 10-YEAR BATTERIES, 90 MINUTE RUNTIME. (1) OUTPUT BREAKER. MYERS ILUMINATOR CIII OR EQUAL BY EMERGI-LITE ORMULE.
10. EXTEND EXISTING FEEDERS TO CONNECT TO NEW SWITCHBOARD LOCATION.
11. CONNECT TRANSFORMER GROUND TO GROUND BUS IN MAIN ELECTRICAL ROOM.

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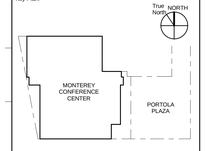
1	ADDENDUM 1	11 SEPT 2015

Key Plan:


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ELECTRICAL RISER DIAGRAM

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LEVEL 1 ZONES

LEVEL 1 SERRA WEST ZONES

ZONE	FIXT TYPE	DIM TYPE	ZONE DESCRIPTION
ai	F10	0-10	SERRA BALLROOM 108
ai-EM	F10	0-10	SERRA BALLROOM 108
aj	F10	0-10	SERRA BALLROOM 108
aj-EM	F10	0-10	SERRA BALLROOM 108
ak	F10	0-10	SERRA BALLROOM 108
ak-EM	F10	0-10	SERRA BALLROOM 108
al	F10	0-10	SERRA BALLROOM 108
al-EM	F10	0-10	SERRA BALLROOM 108
am	F10	0-10	SERRA BALLROOM 108
am-EM	F10	0-10	SERRA BALLROOM 108
an	F10	0-10	SERRA BALLROOM 108
an-EM	F10	0-10	SERRA BALLROOM 108
ao	F10	0-10	SERRA BALLROOM 108
ap	F10	0-10	SERRA BALLROOM 108
aq	F9	0-10	SERRA BALLROOM 108
aq-EM	F9	0-10	SERRA BALLROOM 108
au	F9	0-10	SERRA BALLROOM 108
au-EM	F9	0-10	SERRA BALLROOM 108
av	F3	0-10	CONF RM LOBBY 102
aw-EM	F1a	0-10	CONF RM LOBBY 102
ax	F9a	0-10	WEST VESTIBULE 113
ax-EM	F9a	0-10	WEST VESTIBULE 113
ay	F1a	0-10	WEST VESTIBULE 113
ca	A	0-10	SERRA BALLROOM 108
cb	A	0-10	SERRA BALLROOM 108
cc	A	0-10	SERRA BALLROOM 108
cj	B4A	0-10	SERVICE HALL
cj-EM	B4A	0-10	SERVICE HALL
ck-EM	F1a	0-10	SERVICE HALL
cl	F1a	0-10	NORTH SERVICE HALL
cp	F1a	0-10	Restroom
cq	F4	0-10	Restroom
cr-EM	F9	0-10	NORTH DRESS RM 109C
cs	F1a	0-10	Restroom
ct	F4	0-10	Restroom
cu-EM	F9	0-10	NORTH DRESS RM 109C
cm		0-10	SPARE
cn		0-10	SPARE
co		0-10	SPARE
cv		0-10	SPARE

LEVEL 1 SERRA EAST ZONES

ZONE	FIXT TYPE	DIM TYPE	ZONE DESCRIPTION
aa	F10	0-10	EXHIBITION HALL EAST 107
aa-EM	F10	0-10	EXHIBITION HALL EAST 107
ab	F3	0-10	EXHIBITION HALL EAST 107
ab-EM	F10	0-10	EXHIBITION HALL EAST 107
ac	F10	0-10	EXHIBITION HALL EAST 107
ac-EM	F10	0-10	EXHIBITION HALL EAST 107
ad	F10	0-10	EXHIBITION HALL EAST 107
ad-EM	F10	0-10	EXHIBITION HALL EAST 107
ae	F10	0-10	EXHIBITION HALL EAST 107
ae-EM	F10	0-10	EXHIBITION HALL EAST 107
af	F10	0-10	EXHIBITION HALL EAST 107
af-EM	F10	0-10	EXHIBITION HALL EAST 107
ag	F10	0-10	EXHIBITION HALL EAST 107
ah	F10	0-10	EXHIBITION HALL EAST 107
ar	F9	0-10	EXHIBITION HALL EAST 107
ar-EM	F9	0-10	EXHIBITION HALL EAST 107
as	F9	0-10	EXHIBITION HALL EAST 107
as-EM	F9	0-10	EXHIBITION HALL EAST 107
at	F9	0-10	EXHIBITION HALL EAST 107
at-EM	F9	0-10	EXHIBITION HALL EAST 107
az-EM	B4A	0-10	SERVICE VESTIBULE 106
cd	A	0-10	EXHIBITION HALL EAST 107
ce	A	0-10	EXHIBITION HALL EAST 107
cf	A	0-10	EXHIBITION HALL EAST 107
cg	A	0-10	EXHIBITION HALL EAST 107
ch	F1b	0-10	EAST HALL 107A
ch-EM	F1b	0-10	EAST HALL 107A
ci	F1b	0-10	WEST HALL 108A
ci-EM	F1b	0-10	WEST HALL 108A
en-EM	F1d	0-10	RESTROOM 107D
eo	F4	0-10	RESTROOM 107D
ep-EM	F1d	0-10	RESTROOM 107B
eq	F4	0-10	RESTROOM 107B
er-EM	F1d	0-10	RESTROOM 108B
es	F4	0-10	RESTROOM 108B
et-EM	F1d	0-10	RESTROOM 108B
eu	F4	0-10	RESTROOM 108B
cw		0-10	SPARE
cx		0-10	SPARE
cy		0-10	SPARE
cz		0-10	SPARE

LEVEL 1 MAIN LOBBY ZONES

ZONE	FIXT TYPE	DIM TYPE	ZONE DESCRIPTION
ea	F1	0-10	MAIN LOBBY 101
ea-EM	F1	0-10	MAIN LOBBY 101
eb	F3	0-10	MAIN LOBBY 101
ec	F25	ELV	MAIN LOBBY 101
ed-EM	F1a	0-10	MAIN LOBBY 101
ee-EM	F1a	0-10	MAIN LOBBY 101
ef	F1a	0-10	MAIN LOBBY 101
eg	F3	0-10	MAIN LOBBY 101
eg-EM	F3	0-10	MAIN LOBBY 101
ej-EM	F1d	0-10	RESTROOM
ek	F4	0-10	RESTROOM
el	F4	0-10	RESTROOM
em-EM	F1d	0-10	RESTROOM
ev	F1d	0-10	MAIN LOBBY 101
ew-EM	F1	0-10	MAIN LOBBY 101
eh		0-10	SPARE
ei		0-10	SPARE
ex		0-10	SPARE
ey		0-10	SPARE

LEVEL 1 EXTERIOR ZONES

ZONE	FIXT TYPE	DIM TYPE	ZONE DESCRIPTION
xe-EM	FX11	0-10	LEVEL 1 - EAST EXIT
xj-EM	FX2	0-10	LEVEL 1 - MAIN ENTRY
xz	FX3	0-10	MCC SIGN - SOUTH EAST
xn	FX3	0-10	MCC SIGN - MAIN ENTRY
xo			SPARE

PORTOLA PLAZA EXTERIOR ZONES (1)

ZONE	FIXT TYPE	DIM TYPE	ZONE DESCRIPTION
ya	E1	0-10	PLAZA - ALVARADO MALL POLES
yb-EM	E6	0-10	PLAZA - POLES
yc	E5	MLV	PLAZA - DEL MONTE LANDSCAPE
yd	E4	0-10	PLAZA - DEL MONTE BENCH
ye	E7	MLV	PLAZA - PLANTER
yf-EM	E4	0-10	PLAZA - BENCH
yg-EM	E2	0-10	PLAZA - BOLLARDS
yh	E3	NON DIM	PLAZA - INGRADE DRIVE
yk			SPARE
yl			SPARE
ym			SPARE

MEZZANINE LEVEL ZONES

MEZZANINE LEVEL INTERIOR ZONES

ZONE	FIXT TYPE	DIM TYPE	ZONE DESCRIPTION
ma	F2a	0-10	MAIN LOBBY 101
mb-EM	F5	0-10	MAIN LOBBY 101
mc	F11	0-10	MAIN LOBBY 101
md	F2a	0-10	MEZZANINE 201
me-EM	F1	0-10	MEZZANINE 201
mf	F1a	0-10	MEZZANINE 201
mg-EM	F1a	0-10	MEZZANINE 201
mh	F7b	ELV	MEZZANINE 201
mi-EM	F1a	0-10	CORRIDOR 202
mj-EM	F3d	0-10	CORRIDOR 202
mk	F2c	0-10	MEZZANINE 201
mk-EM	F2c	0-10	MEZZANINE 201
ml	F1e	0-10	MEZZANINE 201
mm	F2c	0-10	CONF RM LOBBY 102
mm-EM	F2c	0-10	CONF RM LOBBY 102
mn	F1	0-10	OFFICE 206
mo	F13	0-10	OFFICE 206
mo-EM	F13	0-10	OFFICE 206
mp	F13	0-10	OFFICE 206A
mq	F13	0-10	OFFICE 206B
mr	F13	0-10	OFFICE 206C
ms	F13	0-10	OFFICE 206D
mt	F1	0-10	OFFICE 206D
mu-EM	F13	0-10	PANTRY 206E
mv	F1d	0-10	RESTROOM
mw	F4	0-10	RESTROOM
mx	F1d	0-10	RESTROOM
my	F4	0-10	RESTROOM
mz-EM	F1b	0-10	MEZZANINE 201
pa	F13	0-10	OFFICE 206
pb	F7b	ELV	CORRIDOR 202
pc	F3	0-10	OFFICE 206
pd	F6	ELV	STAIR11
pe	F6	ELV	STAIR12
pf	F17	0-10	PANTRY 206E
pg	F1	0-10	OFFICE 206C
ph			SPARE
pi			SPARE
pj			SPARE
pk			SPARE

MEZZANINE EXTERIOR ZONES

ZONE	FIXT TYPE	DIM TYPE	ZONE DESCRIPTION
xg-EM	FX8	0-10	MEZZANINE LEVEL - SIGN LIGHTS
xh-EM	FX6	0-10	MEZZANINE LEVEL - SOUTH EXIT
xi-EM	FX7	0-10	MEZZANINE LEVEL - SOUTH EXIT
xw-EM	FX11	0-10	MEZZANINE - UNDER BRIDGE
X*			SPARE
X*			SPARE

LEVEL 2 ZONES

LEVEL 2 ZONES - STEINBECK BALLROOM

ZONE	FIXT TYPE	DIM TYPE	ZONE DESCRIPTION
aa-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
ab-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
ac-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
ad-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
ae-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
af-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
ag-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
ah-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
ai-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
aj-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
ak-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
al-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
am-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
an-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
ao-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
ap-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
aq-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
ar-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
as-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
at-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
au-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
av-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
aw-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
ax-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
ay-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
az-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
ba-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
bb-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
bc-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
bd-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
be-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
bf-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
bg-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
bh-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
bi-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
bj-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
ea	F1a	0-10	STEINBECK BALLROOM 310 - ACCENT
ea-EM	F1a	0-10	STEINBECK BALLROOM 310 - ACCENT
eb	F1a	0-10	STEINBECK BALLROOM 310 - ACCENT
eb-EM	F1a	0-10	STEINBECK BALLROOM 310 - ACCENT
ec	F1a	0-10	STEINBECK BALLROOM 310 - ACCENT
ec-EM	F1a	0-10	STEINBECK BALLROOM 310 - ACCENT
ed	F1a	0-10	STEINBECK BALLROOM 310 - ACCENT
ed-EM	F1a	0-10	STEINBECK BALLROOM 310 - ACCENT
ee	F1a	0-10	STEINBECK BALLROOM 310 - ACCENT
ee-EM	F1a	0-10	STEINBECK BALLROOM 310 - ACCENT
ef-EM	F1a	0-10	STEINBECK BALLROOM 310 - ACCENT
eg-EM	F1a	0-10	STEINBECK BALLROOM 310 - ACCENT
eh-EM	F1a	0-10	STEINBECK BALLROOM 310 - ACCENT
es			SPARE
et			SPARE
eu			SPARE
ev			SPARE

LEVEL 2 ZONES - STEINBECK BALLROOM

ZONE	FIXT TYPE	DIM TYPE	ZONE DESCRIPTION
ca	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
cb	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
cc	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
cd	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
ce	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
cf	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
cg	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
ch	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
ci	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
cj	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
ck	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
cl	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
cm	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
cn	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
co	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
cp	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
cq	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
cr	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
cs	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
ct	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
cu	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
cv	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
cw	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
cx	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
cy	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
cz	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
da	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
db	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
dc	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
dd	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
de	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
df	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
dg	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
dh	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
di	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
dj	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
dk	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
dl	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
dm	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
dn	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
do	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
dp	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
dq	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
dr	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
ds	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
dt	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
du	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
dv	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS

LEVEL 2 ZONES - PREFUNCTION NORTH

ZONE	FIXT TYPE	DIM TYPE	ZONE DESCRIPTION
ei-EM	F1a	0-10	HALLWAY 317
ej	F1d	0-10	TOILET 318A
ej-EM	F1d	0-10	TOILET 318A
ek	F4	0-10	TOILET 318A
em	F1d	0-10	TOILET 319A
em-EM	F1d	0-10	TOILET 319A
en	F4	0-10	TOILET 319A
eo	F1a	0-10	RESTROOM
ep	F4	0-10	RESTROOM
eq-EM	F1a	0-10	EAST PREFUNCTION 301 - STEINBECK ENTRY ACCENT
er-EM	F1a	0-10	CIRCULATION 311
fa	F14	0-10	MEETING ROOM 308
fb	F14	0-10	MEETING ROOM 308
fb-EM	F14	0-10	MEETING ROOM 308
fc	F14a	0-10	MEETING ROOM 308
fd	F14	0-10	MEETING ROOM 307
fe	F14	0-10	MEETING ROOM 307
fe-EM	F14	0-10	MEETING ROOM 307
ff	F14a	0-10	MEETING ROOM 307
fg	F14	0-10	MEETING ROOM 306
fh	F14	0-10	MEETING ROOM 306
fh-EM	F14	0-10	MEETING ROOM 306
fi	F14a	0-10	MEETING ROOM 306
fj-EM	F3d	0-10	STAIR 3
fk	F2	0-10	PREFUNCTION NORTH 302
fk-EM	F2	0-10	PREFUNCTION NORTH 302
fn	F8	0-10	PREFUNCTION NORTH 302
fo	F1	0-10	PREFUNCTION NORTH 302
fo-EM	F1	0-10	PREFUNCTION NORTH 302
fp	F8	0-10	PREFUNCTION NORTH 302
fq	F2d	0-10	PREFUNCTION NORTH 302
fr	F20	0-10	PREFUNCTION NORTH 302
fs	F7	ELV	PREFUNCTION NORTH 302
ft-EM	F3a	0-10	PREFUNCTION NORTH 302
fu-EM	F1a	0-10	PREFUNCTION NORTH 302
fv			SPARE
fw			SPARE
fx			SPARE
fy			SPARE

LEVEL 2 ZONES - PREFUNCTION EAST

ZONE	FIXT TYPE	DIM TYPE	ZONE DESCRIPTION
ga	F8	0-10	EAST PREFUNCTION 301
gb	F8	0-10	EAST PREFUNCTION 301
gc	F8	0-10	EAST PREFUNCTION 301
gd	F8	0-10	EAST PREFUNCTION 301
ge-EM	F2d	0-10	EAST PREFUNCTION 301
gf-EM	F2d	0-10	EAST PREFUNCTION 301
gg	F2d	0-10	PREFUNCTION 300
gh	F16	0-10	PREFUNCTION 300
gi-EM	F16	0-10	PREFUNCTION 300
gj	F2d	0-10	PREFUNCTION 303
gk	F16	0-10	PREFUNCTION 303
gl-EM	F16	0-10	PREFUNCTION 303
gp-EM	F1a	0-10	EAST PREFUNCTION 301
gq			SPARE
gr			SPARE
gs			SPARE
gt			SPARE

LEVEL 2 EXTERIOR ZONES

ZONE	FIXT TYPE	DIM TYPE	ZONE DESCRIPTION
xa-EM	FX5	0-10	LEVEL 2 SOUTH - EXTERIOR
xb-EM	FX11	0-10	LEVEL 2 SOUTH - EXTERIOR
xc-EM	FX1	0-10	LEVEL 2 EAST - EXTERIOR
xd	FX10	0-10	LEVEL 2 TERRACE - EXTERIOR
xf-EM	FX13	0-10	LEVEL 2 NORTH EXIT - EXTERIOR
xk-EM	FX1	0-10	LEVEL 2 TERRACE - EXTERIOR
xl	FX12	0-10	LEVEL 2 - WEST DONOR WALL
xm-EM	FX14	ELV	LEVEL 2 - NORTHWEST EXIT PATH
xp-EM	FX1	0-10	LEVEL 2 TERRACE - EXTERIOR
xr-EM	FX17	0-10	LEVEL 2 - JEFFERS PLAZA
xs-EM	FX11	0-10	LEVEL 2 - SOUTH EXTERIOR VESTIBULE (SERRA BALLROOM)
xt-EM	FX12	0-10	LEVEL 2 - WEST EXTERIOR -MURAL
xu-EM	FX1	0-10	LEVEL 2 - SOUTH EXIT HARDSCAPE
xx	TBD	TBD	PORTOLA HOTEL SIGN
xy	FX3	0-10	MCC SIGN - SOUTH WEST
xq			SPARE
xv			SPARE

NUMBERED NOTES

1. CONNECT SIGNAL FROM UL 924 EMERGENCY POWER DEVICE TO ALL SWITCHING AND DIMMING ZONE CONTROLLERS WITH EMERGENCY LIGHTING. SEE NUMBERED NOTE 2 FOR CONTINUATION.
2. SIGNAL FROM UL 924 EMERGENCY POWER DEVICE. SIGNAL SHALL SET ALL FIXTURES TO FULL ON. SEE NUMBERED NOTE 1 FOR CONTINUATION.
3. LAPTOP WITH QUANTUM LIGHTING CONTROL MANAGEMENT SOFTWARE INSTALLED AND LICENSED. LAPTOP MAY BE PLUGGED INTO ANY DATA JACK WITHIN PROJECT SCOPE CONNECTED TO ETHERNET NETWORK FOR LOCAL IN-ROOM LIGHTING CONTROL PROGRAMMING.
4. PROVIDE EMPTY CONDUIT TO BUILDING EXTERIOR FOR FUTURE PG&E DEMAND RESPONSE SIGNAL.

WIRING LEGEND

- ETHERNET/NETWORK CABLING.
- QS LINK.

FOR ALL OTHER WIRING TYPES, CONFIRM WIRING REQUIREMENTS WITH MANUFACTURER, AND PROVIDE AS REQUIRED.

SHEET NOTES

A. DIMMING SYSTEM COMPONENTS ARE BASED ON LUTRON QUANTUM SINGLE PROCESSOR HUBS WITH ENERGY SAVR NODE PANELS CONNECTED VIA QS LINK, AS BASIS-OF-DESIGN. MANUFACTURER SHALL BE LUTRON OR EQUAL AS IDENTIFIED IN THE SPECIFICATION.

B. CONTRACTOR SHALL PROVIDE ALL COMPONENTS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM. PROVIDE PER MANUFACTURER'S RECOMMENDATION.

C. THIS DIAGRAM IS SCHEMATIC AND REPRESENTS GENERAL LIGHTING CONTROL SYSTEM CONCEPTS AND COMPONENTS. REFER TO FLOOR PLANS FOR EXACT LIGHTING FIXTURE TYPES, CIRCUITRY, AND CONTROLS. PROVIDE CONNECTIONS TO ALL DEVICES SHOWN ON PLANS AND/OR RISER DIAGRAM. REFER TO PLANS FOR SPECIFIC ZONING PER ROOM AND PROVIDE INTERFACES AS REQUIRED TO MEET ZONING INTENT. PROVIDE ADDITIONAL CONNECTING DEVICES (FOR EXAMPLE, QS MODULES), POWER SUPPLIES, WIRING, INTERFACES, AND OTHER EQUIPMENT AS NECESSARY TO CONNECT TO ALL FIXTURES AND DEVICES SHOWN.

D. ALL OCCUPANCY/VACANCY AND PHOTOCELL DAYLIGHT SENSORS ARE CONNECTED TO THE SYSTEM VIA QS LINK AND ARE ADDRESSABLE BY ANY CONTROL PANEL IN THE SYSTEM, U.O.N.

E. DEVICE COLORS BY ARCHITECT.

F. PROVIDE INTERFACE(S) AS REQUIRED FOR EMERGENCY LIGHTING TO RETURN TO FULL BRIGHTNESS UPON RECEIPT OF FIRE ALARM SIGNAL, OR UPON LOSS OF NORMAL POWER.

G. PROVIDE CONDUIT AND WIRE PER MANUFACTURER'S REQUIREMENTS/ RECOMMENDATION.

H. SUBMIT SYSTEM START-UP REPORTS VERIFYING PROPER OPERATION AND PROGRAMMING OF ALL LIGHTING ZONES, INCLUDING THE FOLLOWING:
   - TIMECLOCK SCHEDULES
   - OCCUPANCY SENSORS
   - PHOTOSENSORS/PHOTOCELLS
   - LOCAL CONTROLS, INCLUDING SWITCHING AND SCENE SELECTION
   - A/V SYSTEM INTERFACE, INCLUDING SCENE SELECTION FROM A/V CONTROLLERS
   - UL 924 EMERGENCY POWER TRANSFER DEVICES

I. SUBMIT REQUIRED TITLE 24 LIGHTING CONTROL FORMS TO SHOW COMPLIANCE.

J. WHERE 0-10V OR ELV DIMMING DRIVERS/BALLASTS ARE SPECIFIED FOR FIXTURES, PROVIDE INTERFACE MODULES AS REQUIRED TO ALLOW FOR CENTRAL LIGHTING SYSTEM CONTROL 0-10V OR ELV FIXTURES.

K. CONTRACTOR TO COORDINATE WITH SUBMITTED VENDOR SHOP DRAWINGS AND PROVIDE 120V POWER TO ALL LINE VOLTAGE-POWERED DEVICES, AS REQUIRED. WHERE POWER IS REQUIRED TO DEVICES NOT SHOWN ON CONTRACT DOCUMENTS SUCH AS ADDITIONAL POWER SUPPLIES, EXTEND POWER FROM NEAREST AVAILABLE SPARE CIRCUIT BREAKER IN PANELBOARDS DESIGNATED FOR LIGHTING POWER ON POWER RISER DIAGRAM, AND CONNECT.

LIGHTING CONTROLS LEGEND

DZC 0-10V — DIMMING ZONE CONTROLLER FOR 0-10V LOADS. "EM" DESIGNATION FOR UNITS INCLUDING EMERGENCY LOADS. LUTRON ENERGY SAVR NODE WITH 0-10V. IN LOCATIONS WITH ARCHITECTURAL CEILINGS, MOUNT ABOVE CEILING IN ACCESSIBLE LOCATION, UON.

HUB- — LIGHTING CONTROL HUB FOR DALI CENTRALIZED CONTROL. INCLUDES (2) PROCESSORS AND (3) CONFIGURABLE LINKS, WITH 5-PORT ETHERNET SWITCH. PROVIDE WITH ETHERNET JUMPER CABLE BETWEEN PROCESSORS TO ALLOW FOR A SINGLE INCOMING ETHERNET CONNECTION (BY DIVISION 27) TO CONNECT TO BOTH PROCESSORS. LUTRON QUANTUM LIGHT MANAGEMENT HUB.

LRC — LIGHTING RELAY CABINET. REFER TO SPECIFICATION SECTION 26 09 26 PROGRAMMABLE LIGHTING CONTROL SYSTEM. PROVIDE PANEL WITH RELAYS RATED FOR 120V/20A LOAD FOR EACH CONTROLLED RECEPTACLE ZONE; IF NOT AVAILABLE, PROVIDE (1) CONTACTOR RATED FOR 120V/20A LOAD FOR EACH RELAY. IF SPACE WITHIN PANEL IS NOT SUFFICIENT, PROVIDE IN SEPARATE ADJACENT CONTACTOR PANEL.

2B — 1-BUTTON ZONE CONTROL SWITCH WITH RAISE/LOWER FUNCTION. LUTRON QS SEE TOUCH QSWS2-2BRLN-WH.
DEFAULT BUTTON CONFIGURATION, UNLESS OTHERWISE NOTED:
- BUTTON 1: ZONE 1 TOGGLE.
- BUTTON 2: ALL FIXTURES OFF.
- RAISE/LOWER BUTTONS: SELECTED ZONE BRIGHTER/DIMMER.

MODIFY CONTROLS AS NECESSARY TO COORDINATE WITH SEQUENCE OF OPERATIONS AND CONTROL INTENT SHOWN IN PLANS AND SPECIFICATIONS.

3B — 2-BUTTON ZONE SELECTION SWITCH WITH RAISE/LOWER FUNCTION. LUTRON QS SEE TOUCH QSWS2-3BRLN-WH.
DEFAULT BUTTON CONFIGURATION, UNLESS OTHERWISE NOTED:
- BUTTON 1: ZONE 1 TOGGLE.
- BUTTON 2: ZONE 2 TOGGLE.
- BUTTON 3: ALL FIXTURES OFF.
- RAISE/LOWER BUTTONS: SELECTED ZONE BRIGHTER/DIMMER.

MODIFY CONTROLS AS NECESSARY TO COORDINATE WITH SEQUENCE OF OPERATIONS AND CONTROL INTENT SHOWN IN PLANS AND SPECIFICATIONS.

5B — 4-BUTTON ZONE CONTROL SWITCH WITH RAISE/LOWER FUNCTION. LUTRON QS SEE TOUCH QSWS2-5BRLN-WH.
DEFAULT BUTTON CONFIGURATION, UNLESS OTHERWISE NOTED:
- BUTTON 1: ZONE 1 TOGGLE.
- BUTTON 2: ZONE 2 TOGGLE.
- BUTTON 3: ZONE 3 TOGGLE.
- BUTTON 4: ZONE 4 TOGGLE.
- BUTTON 5: ALL FIXTURES OFF.
- RAISE/LOWER BUTTONS: SELECTED ZONE BRIGHTER/DIMMER.

MODIFY CONTROLS AS NECESSARY TO COORDINATE WITH SEQUENCE OF OPERATIONS AND CONTROL INTENT SHOWN IN PLANS AND SPECIFICATIONS.

OS — CEILING MOUNTED OCCUPANCY SENSOR. LUTRON LOS-CDT-2000-WH.

OS — CEILING MOUNTED OCCUPANCY SENSOR, CORRIDOR TYPE. LUTRON LOS-CDT-2000-WH.

WP OS — OUTDOOR RATED RECESSED OCCUPANCY SENSOR. SENSOR SWITCH OR EQUAL.

WP PC — OUTDOOR RATED SURFACE MOUNTED OCCUPANCY SENSOR. SENSOR SWITCH OR EQUAL.

PC — PHOTO CELL DAYLIGHT SENSOR FOR AUTOMATIC DAYLIGHT RESPONSIVE CONTROLS (DIMMED OR SWITCHED). LUTRON EC-DIR-WH

WP PC — PHOTO CELL DAYLIGHT SENSOR FOR AUTOMATIC DAYLIGHT RESPONSIVE CONTROLS. OUTDOOR RATED. FACING NORTH. LUTRON CESO SERIES

SENSOR MODULE INTERFACE FOR WIRED CONTROL DEVICES. LUTRON QS SENSOR MODULE QSM2-4W-C. IN LOCATIONS WITH ARCHITECTURAL CEILINGS, MOUNT ABOVE CEILING IN ACCESSIBLE LOCATION, UON. QUANTITIES SHOWN ARE DIAGRAMMATIC. MANUFACTURER TO CONFIRM TOTAL REQUIRED QUANTITIES IN SUBMITTED SHOP DRAWINGS. PROVIDE CONNECTIONS TO ALL DEVICES AS REQUIRED.

PS — 120V POWER SUPPLY FOR UL 924 EMERGENCY POWER DEVICE. LUTRON PP-120H. IN LOCATIONS WITH ARCHITECTURAL CEILINGS, MOUNT ABOVE CEILING IN ACCESSIBLE LOCATION, UON.

AV — INTERFACE FOR AUDIO/VISUAL SYSTEM WITH RS-232 AND ETHERNET CAPABILITIES. LUTRON QSE-CI-NWK-E. IN LOCATIONS WITH ARCHITECTURAL CEILINGS, MOUNT ABOVE CEILING IN ACCESSIBLE LOCATION, UON.

I/O — INPUT-OUTPUT CONTROL INTERFACE. IN LOCATIONS WITH ARCHITECTURAL CEILINGS, MOUNT ABOVE BCEILING IN ACCESSIBLE LOCATION, UON. LUTRON QSE-IO.

EM (120V EM, PS, FA, 120V NORMAL) — UL 924 EMERGENCY POWER DEVICE WITH NORMAL POWER SENSING AND FIRE ALARM INTERFACE (NO OR NC CONTACT CLOSURE INPUT). PROVIDE FIRE ALARM INPUT FOR GROUP A OCCUPANCIES (ONE INPUT PER FLOOR). EXTEND 3-PHASE 4-WIRE NORMAL POWER CONNECTION FROM NEAREST AVAILABLE UNSWITCHED 3 PHASES OF POWER FROM NORMAL 120V LIGHTING PANEL SOURCE FOR NORMAL POWER SENSING (CIRCUITING IS FOR SIGNAL ONLY; NO POWER DRAW). LUTRON LUT-ELI-3PH. IN LOCATIONS WITH ARCHITECTURAL CEILINGS, MOUNT ABOVE CEILING IN ACCESSIBLE LOCATION, UON.

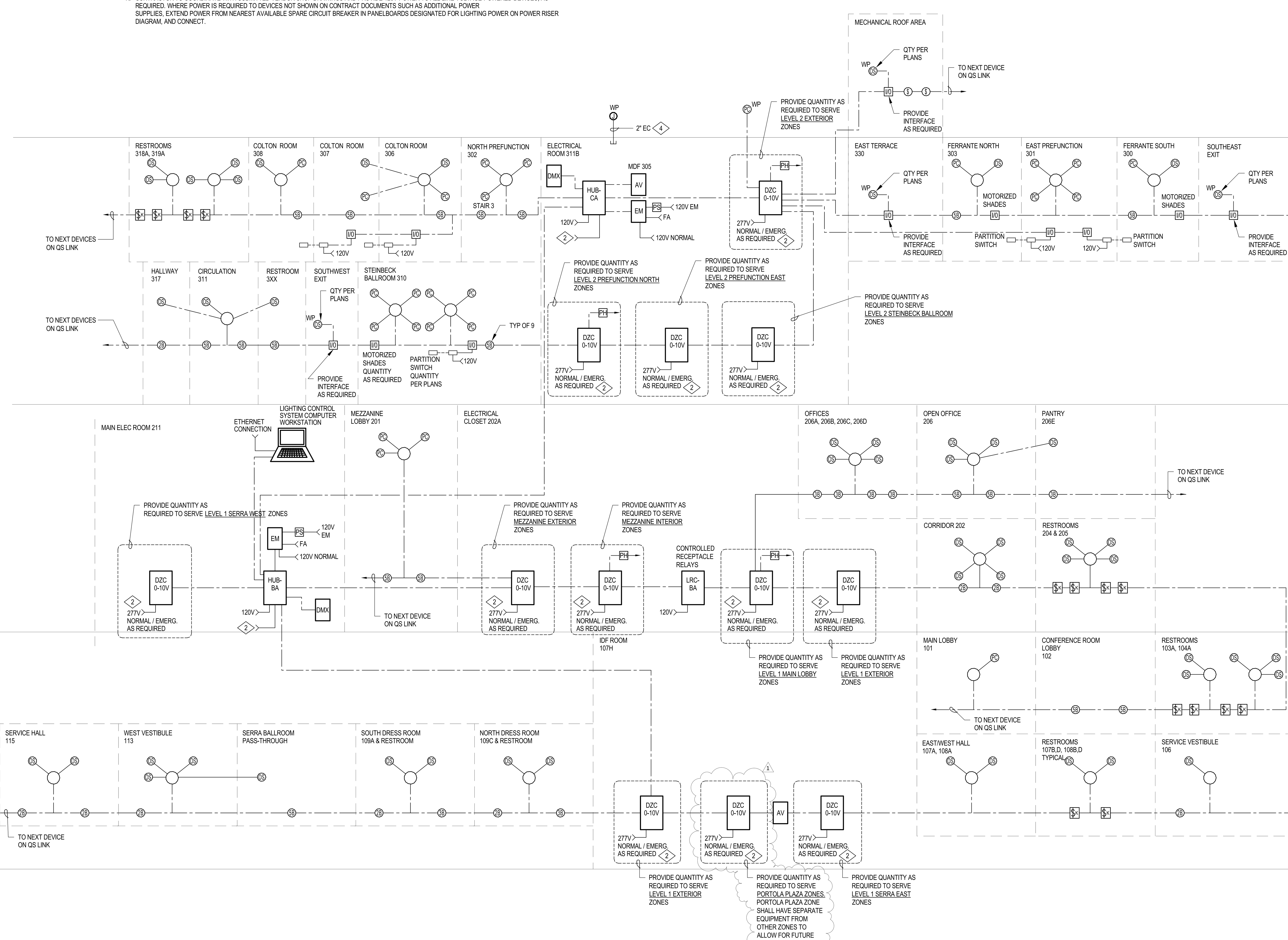
INFRARED PARTITION SWITCH. LUTRON GRX-IRPS-WH. COORDINATE EXACT MOUNTING LOCATION WITH ARCHITECT.

PH — PHASE ADAPTIVE POWER MODULE FOR 0-10V LOADS. LUTRON PHPM-WBX-DV-WH

K $ — KEYED SWITCH. LUTRON QSWS2-KSN3MOC-WH

$ — LOW-VOLTAGE TOGGLE SWITCH. LUTRON

DMX — DMX-512 INTERFACE. LUTRON QSE-CI-DMX



ELECTRICAL LIGHTING CONTROL RISER DIAGRAM
NE

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL

580 PACIFIC STREET, MONTEREY, CA 93940
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www.wspgroup.com/usa

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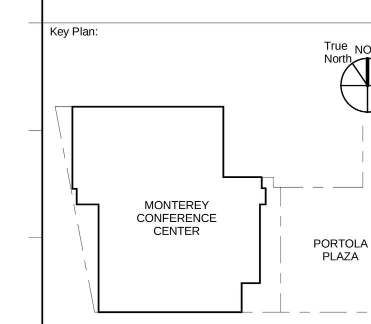
No.:	Description:	Date:
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015
1	ADDENDUM 1	11 SEPT 2015

Key Plan:



Seal & Signature:
REGISTERED PROFESSIONAL ENGINEER
AMANDA J. BROWNLEE
No. E17287
ELECTRICAL
STATE OF CALIFORNIA

Sheet Name:
ELECTRICAL LIGHTING CONTROL RISER DIAGRAM

Project No.: Project Number
Drawn By: Author
Checked By: Checker
Scale: 12" = 1'-0"
Sheet No.: E5.04

9/8/2015 11:46:44 AM

Approved as to Form
CAO RISK

103	24" FLAT PANEL DISPLAY
108	46" FLAT PANEL DISPLAY (PORTRAIT)
169	AV CONNECTION PLATE - TYPE A - 12"X12"
170	AV CONNECTION PLATE - TYPE B - 12"X12"
171	AV CONNECTION PLATE - TYPE C - 12"X12"

B B.5 C C.6 D E F G H J K L

10 9.3 9 8 7 6.8 6.5 6 5.5 5 4 3 2.7 2.4 2

WEST VESTIBULE 113
STAIR-3
CONFERENCE RM. LOBBY 102
VESTIBULE 104
VESTIBULE 103
ELEVATOR 1
SERRA BALLROOM WEST 108
SERRA BALLROOM EAST 107
MAIN LOBBY 101
PLATFORM 109
MECH 101A
SERVICE VESTIBULE 106
WEST HALL 108A
EAST HALL 107A

1 FLOOR PLAN - AV FACILITIES
3/16" = 1'-0"

2 / TT6.02

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Agreement #: Ag-5097 - Page 340 of 429

9/9/2015 8:10:26 AM

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL

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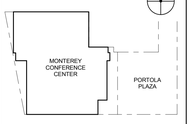
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015
1	ADDENDUM 1	11 SEPT 2015

Key Plan:



Seal & Signature:

Sheet Name:

AV SYSTEMS
SERRA
BALLROOM 108
ENLARGED PLAN

Project No.:	14466
Drawn By:	RM
Checked By:	RA
Scale:	3/16" = 1'-0"

Sheet No.:

TA3.10

303	24" FLAT PANEL DISPLAY - (1) 1 1/4" EMT
308	46" FLAT PANEL DISPLAY - (1) 1 1/4" EMT
369	AV CONNECTION PLATE - TYPE A - (2) 1-1/4" EMT
370	AV CONNECTION PLATE - TYPE B - (2) 1-1/4" EMT
371	AV CONNECTION PLATE - TYPE C - (2) 1-1/4" EMT
373	AV LAN OUTLET - (1) 1-1/4" EMT

B B.5 C C.6 D E F G H J K L

10 9.3 9 8 7 6.8 6.5 6 5.5 5 4 3 2.7 2.4 2

WEST VESTIBULE 113
STAIR-3
CONFERENCE RM. LOBBY 102
VESTIBULE 104
VESTIBULE 103
ELEVATOR 1
SERRA BALLROOM WEST 108
SERRA BALLROOM EAST 107
MAIN LOBBY 101
PLATFORM 109
MECH 101A
WEST HALL 108A
EAST HALL 107A
SERVICE VESTIBULE 106

2 / TT6.02

1 FLOOR PLAN - AV ELECTRICAL
3/16" = 1'-0"

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Agreement #: Ag-5097 - Page 340 of 429

9/2/2015 8:10:29 AM

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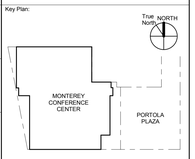
No.	Description:	Date:
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015
1	ADDENDUM 1	11 SEPT 2015

Key Plan:



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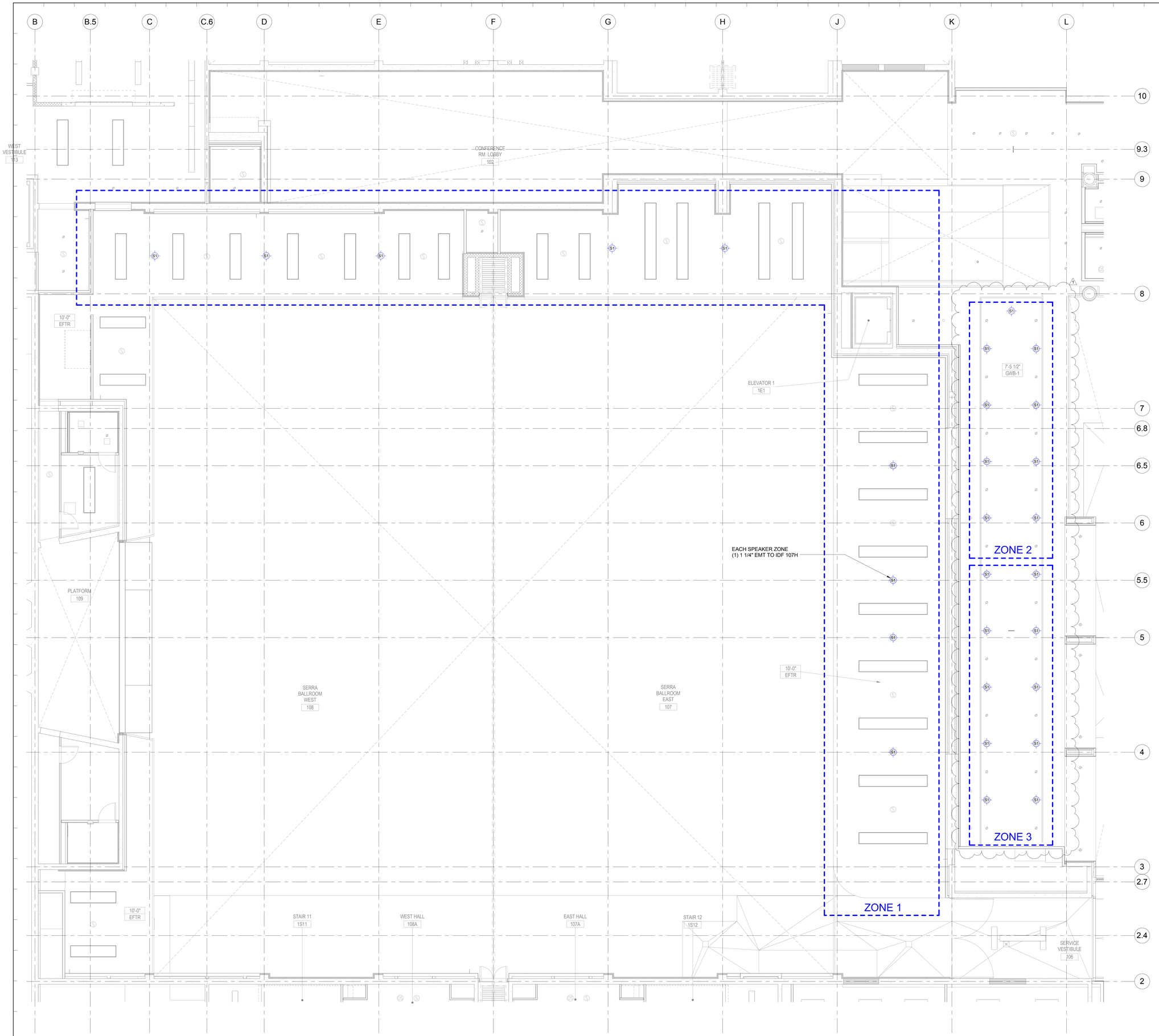
Sheet Name:

AV SYSTEMS
SERRA
BALLROOM 108
ENLARGED PLAN

Project No.:	14466
Drawn By:	RM
Checked By:	RA
Scale:	3/16" = 1'-0"

Sheet No.: TA3.11



1 REFLECTED CEILING PLAN - AV ELECTRICAL
3/16" = 1'-0"

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Agreement #: Ag-5097 - Page 340 of 329

9/2/2015 8:16:23 AM

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL

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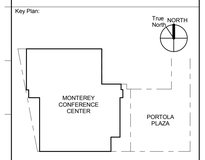
No.	Description:	Date:
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015
1	ADDENDUM 1	11 SEPT 2015

Key Plan:



Seal & Signature:

Sheet Name:

AV SYSTEMS
SERRA
BALLROOM 108
ENLARGED RCP
(LEVEL 1)

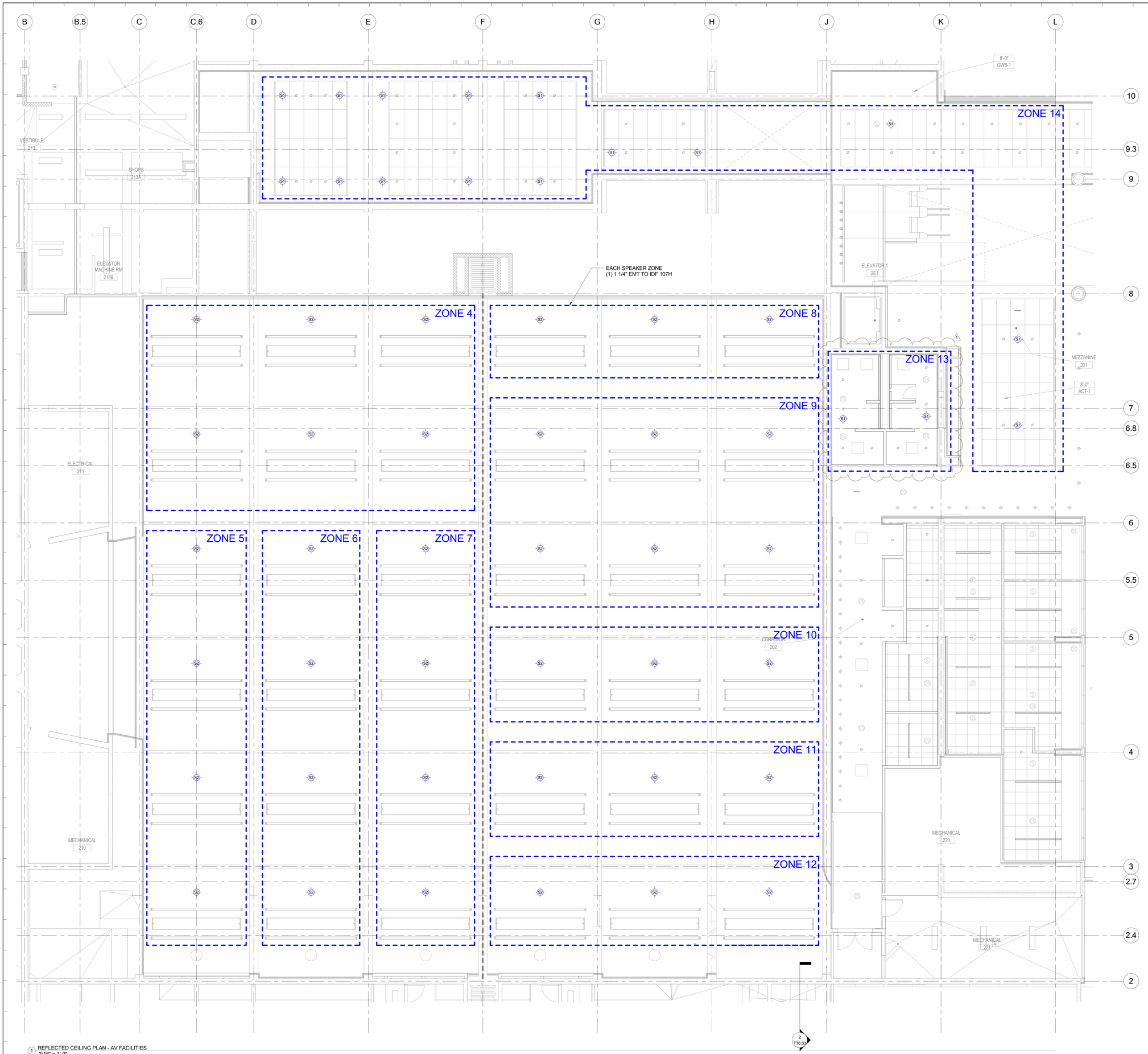
Project No.: 14466

Sheet No.: TA3.12

Drawn By: RM

Checked By: RA

Scale: 3/16" = 1'-0"



1 REFLECTED CEILING PLAN - AV FACILITIES
3/16" = 1'-0"

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CAO RISK

Agreement #: Ag-5097 - Page 340 of 429

2015.6.16 06 AM

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL

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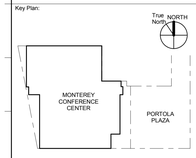
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015
1	ADDENDUM 1	11 SEPT 2015

Key Plan:



Seal & Signature:

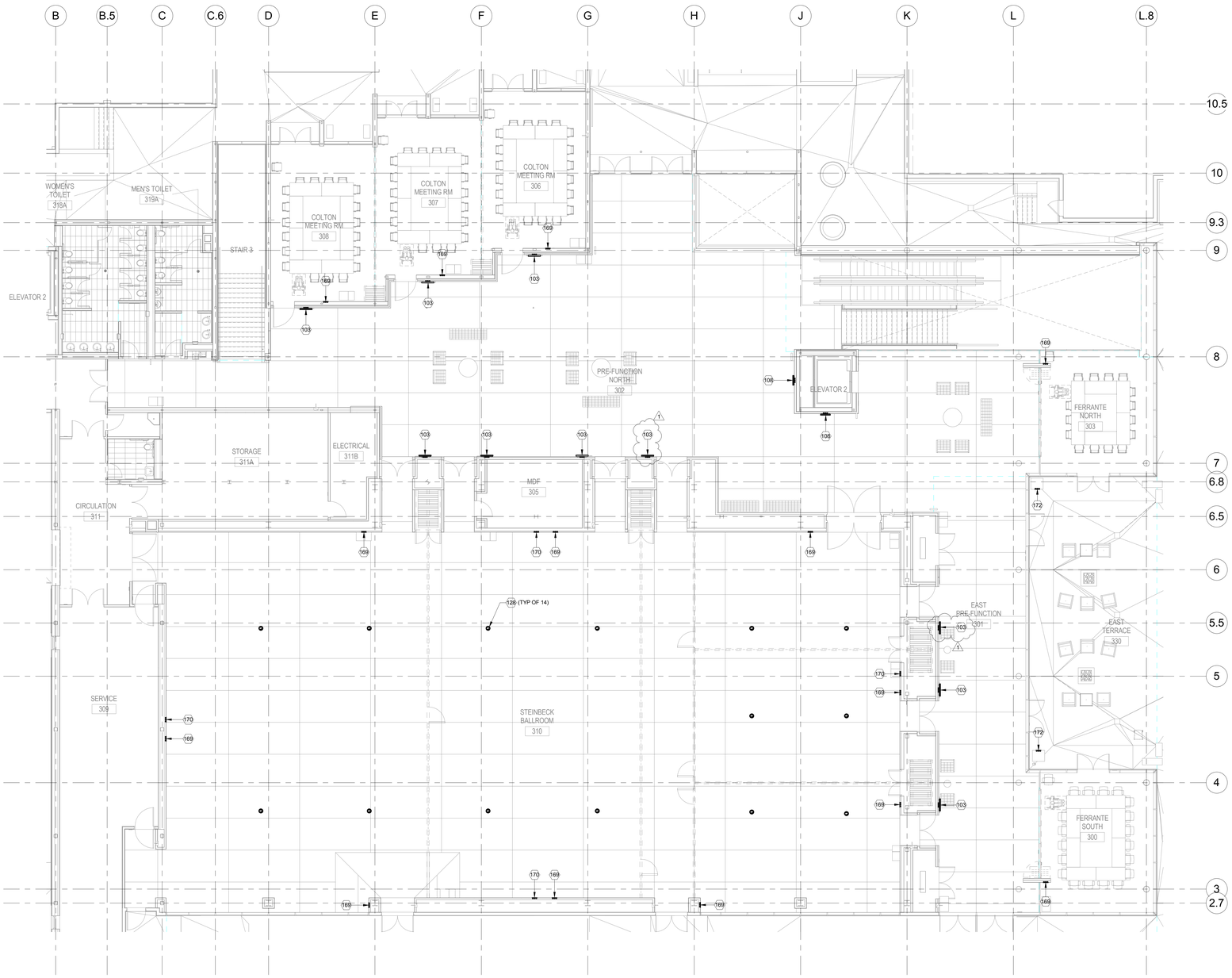
Sheet Name:

AV SYSTEMS
SERRA
BALLROOM 108
ENLARGED RCP
(MEZZANINE)

Project No.: 14466
Drawn By: RM
Checked By: RA
Scale: 3/16" = 1'-0"

Sheet No.: TA3.13

103	24" FLAT PANEL DISPLAY
108	46" FLAT PANEL DISPLAY (PORTRAIT)
128	AV POKE-THROUGH
169	AV CONNECTION PLATE - TYPE A - 12"X12"
170	AV CONNECTION PLATE - TYPE B - 12"X12"
172	AV CONNECTION PLATE - TYPE D



1 FLOOR PLAN - AV FACILITIES
1/8" = 1'-0"

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL

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	PERMIT SET	15 JUNE 2015
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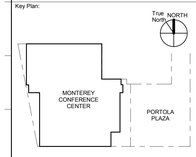
	BID SET	26 AUG 2015
1	ADDENDUM 1	11 SEPT 2015

Key Plan:



Seal & Signature:

Sheet Name:

AV SYSTEMS
STEINBECK
BALLROOM 310
ENLARGED PLAN

Project No.: 14466	Sheet No.: TA3.30
Drawn By: RM	
Checked By: RA	
Scale: 1/8" = 1'-0"	

9/2/2015 8:56:40 AM

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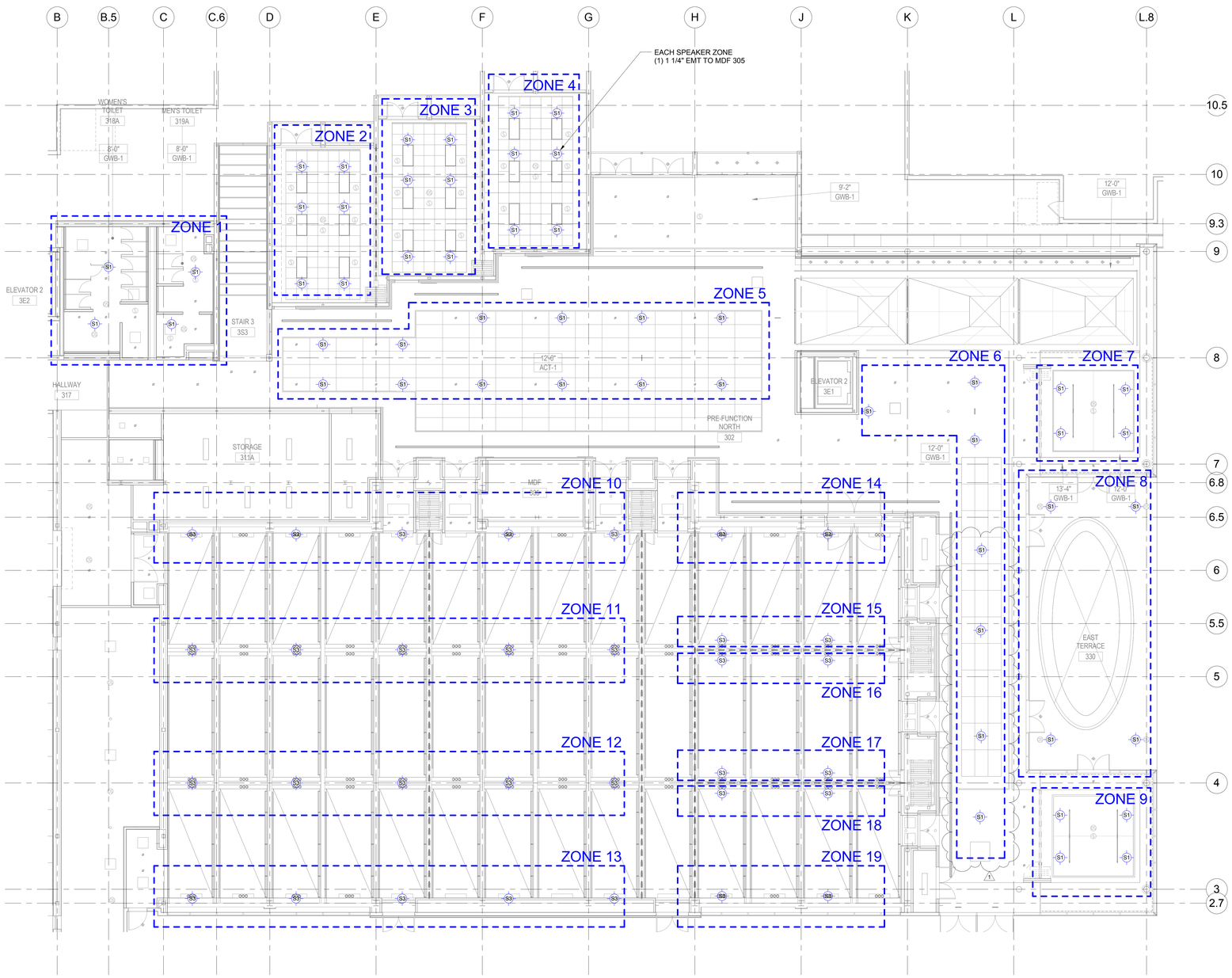

1 REFLECTED CEILING PLAN - AV FACILITIES
1/8" = 1'-0"

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL

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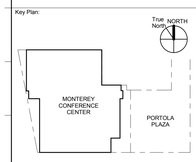
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015
1	ADDENDUM 1	11 SEPT 2015

Key Plan:



Seal & Signature:

Sheet Name:

AV SYSTEMS
STEINBECK
BALLROOM 310
ENLARGED RCP

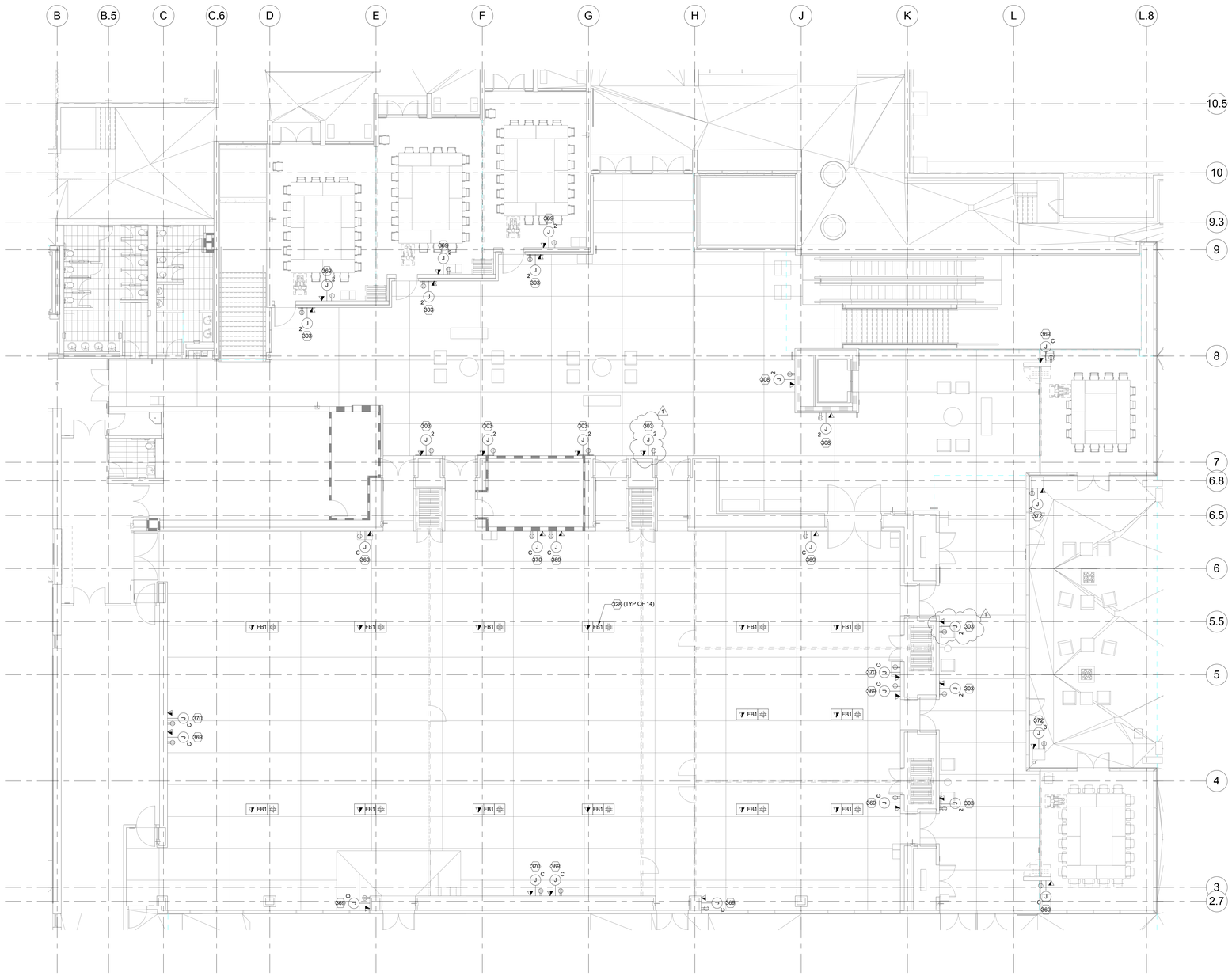
Project No.: 14466
Drawn By: RM
Checked By: RA
Scale: 1/8" = 1'-0"

Sheet No.: TA3.31

Approved as to Form
CAO RSK

8/20/15 8:16:45 AM

303	24" FLAT PANEL DISPLAY - (1) 1 1/4" EMT
308	46" FLAT PANEL DISPLAY - (1) 1 1/4" EMT
328	AV POKE-THROUGH - (2) 1-1/4" EMT
369	AV CONNECTION PLATE - TYPE A - (2) 1-1/4" EMT
370	AV CONNECTION PLATE - TYPE B - (2) 1-1/4" EMT
372	AV CONNECTION PLATE - TYPE D - (2) 1-1/4" EMT



1 FLOOR PLAN - AV ELECTRICAL
1/8" = 1'-0"

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL

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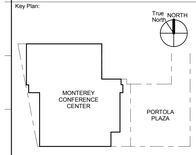
Key Plan:


Seal & Signature:

Sheet Name:
AV SYSTEMS
STEINBECK
BALLROOM 310
ENLARGED PLAN

Project No.:	14466
Drawn By:	RM
Checked By:	RA
Scale:	1/8" = 1'-0"

Sheet No.: TA3.32

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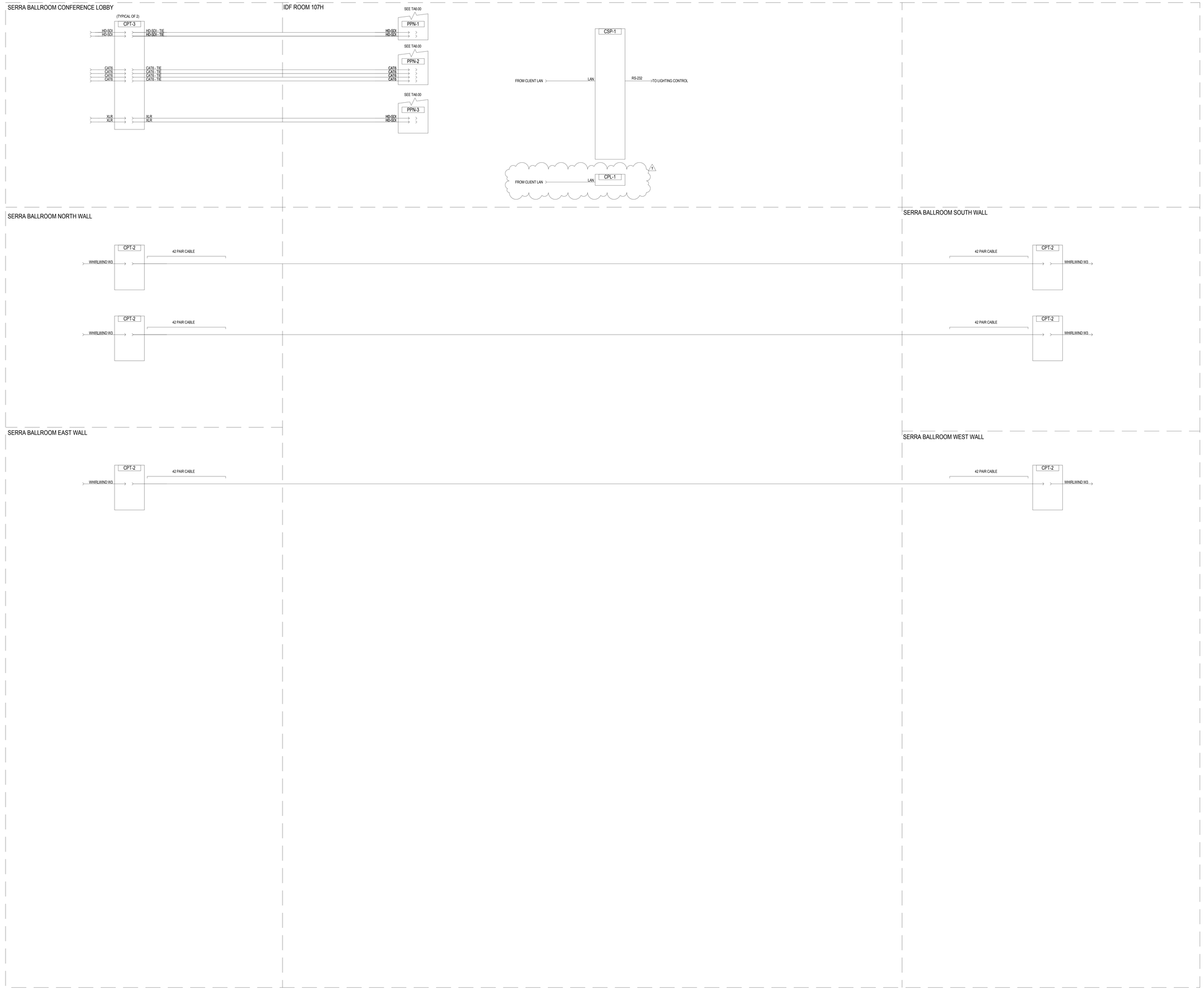
Agreement #: Ag-5097 - Page 341 of 329
8/20/2015 8:16:05 AM



MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL

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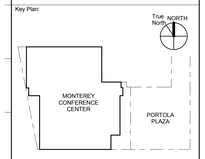
Issued For:

No.	Description:	Date:
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015
1	ADDENDUM 1	11 SEPT 2015

Key Plan:



Seal & Signature:

Sheet Name:

AV SYSTEMS FUNCTIONAL DIAGRAM

Project No.:	14466	Sheet No.:
Drawn By:	RM	TA6.01
Checked By:	RA	
Scale:	NTS	

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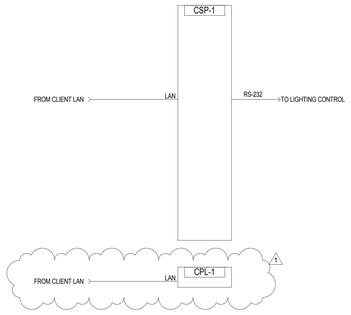
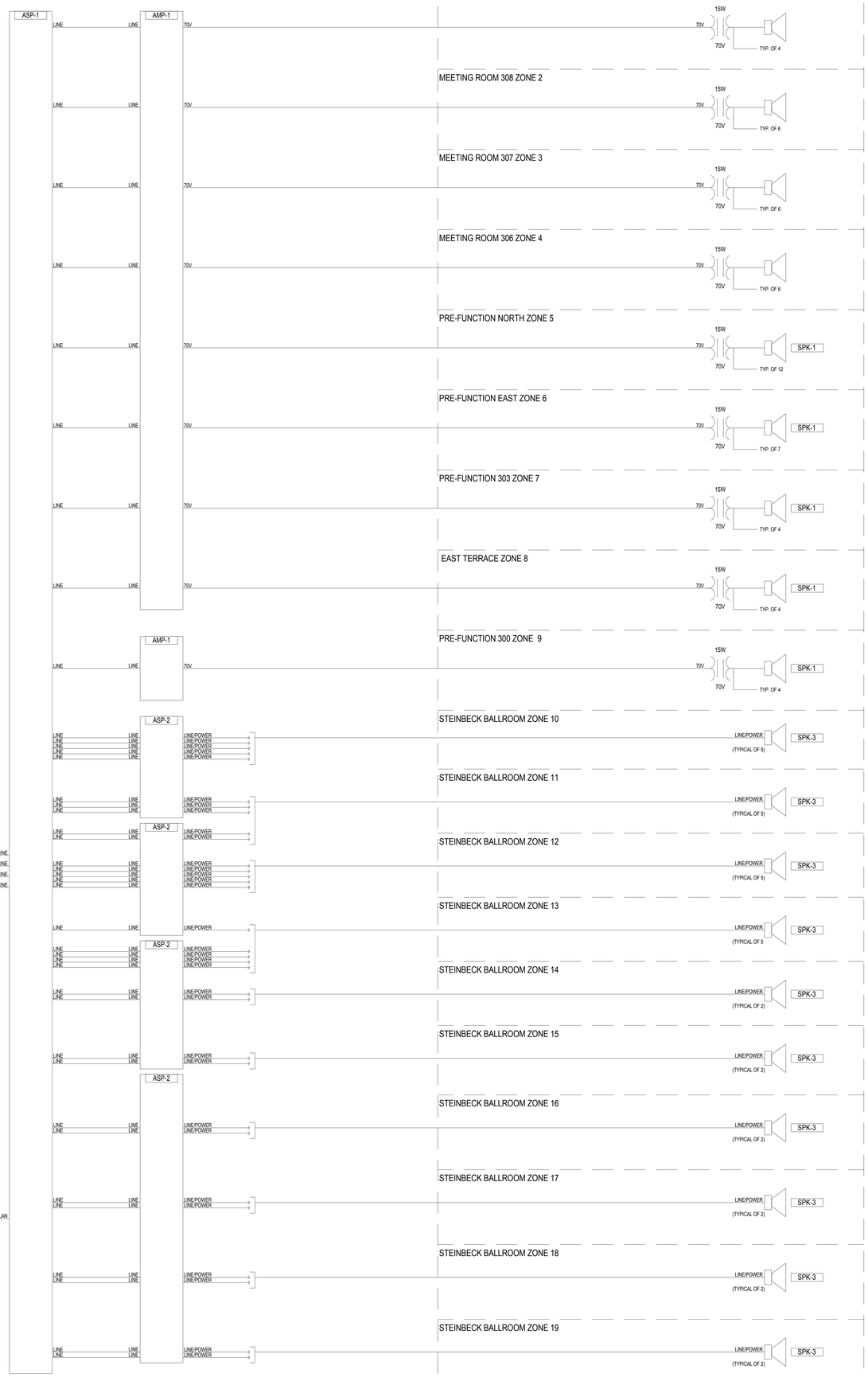
MDF ROOM 305





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No.	Description:	Date:
	90% PROJECT COMPLETION	28 JULY 2015
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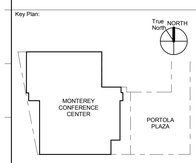
1	ADDENDUM 1	11 SEPT 2015

Key Plan:



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AV SYSTEMS FUNCTIONAL DIAGRAM

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GENERAL NOTES

1. TELECOMMUNICATIONS ROOM DIMENSIONS ON THE DRAWINGS HAVE BEEN TAKEN FROM ARCHITECTURAL DRAWINGS. THE SCALE OF THESE DRAWINGS ARE SUFFICIENTLY ACCURATE FOR DETERMINING THE LOCATION OF TELECOMMUNICATIONS INFRASTRUCTURE COMPONENTS, JUNCTION BOXES, OUTLET BOXES, WIREWAYS, PANELS, ETC. WHERE EXACT DIMENSIONS ARE INDICATED, THE REFERENCE SURFACE SHALL BE THE FINAL FINISHED SURFACE INCLUDING ANY ACOUSTICAL TREATMENT.

2. ALL DIMENSIONS MUST BE VERIFIED IN THE FIELD AND ANY DEVIATIONS CAUSING CHANGES EXCEEDING 6 INCHES TO THE INTENDED LOCATION OF MAJOR TELECOMMUNICATIONS INFRASTRUCTURE COMPONENTS MUST BE COORDINATED WITH THE ARCHITECT AND DESIGNER PRIOR TO INSTALLATION.

3. ANY DEVICE HEIGHT DIMENSIONS SHOWN ARE SUGGESTED PLACEMENTS AND ARE PROVIDED FOR INFORMATION AND COORDINATION ONLY. COORDINATE ALL ELECTRICAL DEVICES AND DIMENSIONED LOCATIONS WITH PROJECT DRAWINGS.

4. EXACT MOUNTING LOCATIONS AND HEIGHTS ARE FIELD COORDINATION ISSUES. CONTRACTOR TO COORDINATE WITH EXISTING CONDITIONS ON SITE TO PROVIDE THE MOST AESTHETIC APPEARANCE AND ALIGNMENT WITH NEARBY DEVICES.

5. ALL TELECOMMUNICATIONS DEVICES SHALL BE SECURELY MOUNTED PLUMB AND STRAIGHT TO WALLS, FLOORS, OR RACKS, PER THE MANUFACTURER'S RECOMMENDED MOUNTING PRACTICE, UNLESS OTHERWISE INDICATED IN THE TELECOMMUNICATIONS DRAWINGS.

6. ALL CABLES SHALL BE RATED FOR THE ENVIRONMENT IN WHICH THEY ARE INSTALLED.

7. INSTALL FIRESTOP ASSEMBLIES IN ALL THROUGH-SLAB AND THROUGH-WALL PENETRATIONS FOR THE INSTALLATION OF TELECOMMUNICATIONS CABLING AS REQUIRED TO MAINTAIN FIRE RATING OF PENETRATED SLAB OR WALL. REVIEW DRAWINGS FOR PARTITION TYPE RATINGS. FIRESTOPPING SYSTEMS USED FOR ALL PENETRATIONS SHALL BE A UL LISTED ASSEMBLY AND APPROVED BY APPLICABLE AUTHORITIES HAVING JURISDICTION PRIOR TO INSTALLATION.

8. THE METHOD OF INSTALLATION FOR ALL TELECOMMUNICATIONS RELATED BACKBOXES IN WALLS AND THE METHOD FOR PASSAGE OF CONDUIT AND WIREWAYS THROUGH ACOUSTICALLY SENSITIVE WALLS SHALL BE COORDINATED WITH THE ACOUSTICAL CONSULTANT OR OWNER PRIOR TO INSTALLATION.

9. REFER TO DIVISION 27 SPECIFICATIONS FOR INSTALLATION REQUIREMENTS RELATED TO FLOORBOXES, JUNCTION BOXES, BONDING CONDUCTORS, BUSBARS, CONDUITS, CABLE TRAYS IN CORRIDORS, METALLIC ENCLOSURES; U.O.N.

10. ELECTRICAL FEEDS ARE NOT TO BE RUN PARALLEL WITH VIDEO, AUDIO, OR TELECOMMUNICATIONS CABLING SEGMENTS OR RACEWAYS. IF ELECTRICAL FEEDS MUST BE RUN PARALLEL, A MINIMUM OF 0'-6" OF SEPARATION SHALL BE MAINTAINED.

11. POWER RECEPTACLES SHOWN ON TELECOMMUNICATIONS DRAWINGS ARE DEDICATED TO SPECIFIC TELECOMMUNICATIONS EQUIPMENT AND ARE SHOWN FOR REFERENCE ONLY. REFER TO ELECTRICAL DRAWINGS FOR ENGINEERED ELECTRICAL SYSTEM AND ADDITIONAL UTILITY POWER RECEPTACLES.

12. BOND ALL CONDUITS, CABLE TRAYS, AND JUNCTION BOXES PER J-STD-607-A IN ADDITION TO ANY APPLICABLE CODE REQUIREMENTS.

13. ALL TELECOMMUNICATIONS RELATED FLOORBOXES, POKE THRU DEVICES, JUNCTION BOXES AND BACK BOXES SHOULD BE PROVIDED WITH AN EMPTY CONDUIT TO THE APPLICABLE TELECOM ROOM, TELECOM CABLE TRAY PATHWAY OR PULL BOX.

14. CONDUIT ROUTES ON THE TELECOM DRAWINGS SHOW ONLY INTERCONNECTION BETWEEN THE TERMINATION POINTS AND APPROXIMATE ROUTES. THE EXACT ROUTE OF CONDUIT PATHWAYS ARE DETERMINED BY FIELD CONDITIONS AND VERIFIED BY INSTALLING CONTRACTOR.

15. CABLE TRAY PATHWAYS ON THE TELECOM DRAWINGS SHOW ONLY APPROXIMATE ROUTES. THE EXACT ROUTE OF CABLE TRAY PATHWAYS ARE TO BE DETERMINED AND VERIFIED BY CONTRACTOR AND FIELD CONDITIONS.

16. NOTIFY THE OWNER OF ANY DISCREPANCIES BETWEEN THE EXISTING CONDITIONS AND THE TECHNOLOGY DRAWINGS. OBTAIN CLARIFICATION BEFORE PROCEEDING WITH WORK.

17. THE FINISHES FOR ALL TECHNOLOGY COMPONENTS SHALL BE SUBMITTED FOR REVIEW AND APPROVAL PRIOR TO PROCUREMENT.

18. IT SHALL BE THE RESPONSIBILITY OF THE TELECOMMUNICATIONS CONTRACTOR TO VERIFY SIGNAL/CONDUIT PATHWAYS WITH THE ELECTRICAL DRAWINGS.

19. AUDIO/VISUAL AND SECURITY OUTLET DETAILS ARE PROVIDED IN THEIR RESPECTIVE DRAWING SETS. REFER TO DETAILS IN THOSE DRAWINGS FOR HEIGHT AND LOCATION DETAILS FOR AV AND SECURITY OUTLETS.

20. PRIOR TO DRILLING OR CORING INTO ANY EXISTING CONCRETE TO REMAIN, EXISTING REBAR AND PT TENDON SHALL BE LOCATED BY SCANNING. SHOP DRAWINGS SHOWING THE COORDINATED LOCATIONS OF OPENINGS AND ANCHORS TO AVOID DAMAGING EXISTING REBAR AND PT TENDONS SHALL BE SUBMITTED. CORING OF POST-TENSION CONCRETE WILL NOT BE PERMITTED WITHOUT THE REVIEW OF THE ARCHITECTS. REFER TO STRUCTURAL DETAILS 11/S6.00 AND 14/S5.19 FOR OTHER REQUIREMENTS OF PT SLAB PENETRATIONS.

ABBREVIATIONS

AFC	ABOVE FINISHED CEILING
AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
BAS	BUILDING AUTOMATED SYSTEMS
BDF	BUILDING DISTRIBUTION FACILITY/FRAME
C	CONDUIT
CATV	COMMUNITY ANTENNA TELEVISION
CCTV	CLOSED CIRCUIT TELEVISION
CP	CONSOLIDATION POINT
DIM	DIMENSION
DWG	DRAWING
(E)	EXIST/EXISTING
EC	EMPTY CONDUIT
EMT	ELECTRICAL METALLIC TUBING
FTP	FOILED TWISTED PAIR
GND	GROUND
HT	HEIGHT/HIGH
ID	INSIDE DIAMETER
IDF	INTERMEDIATE DISTRIBUTION FACILITY/FRAME
LOMMF	LASER OPTIMIZED MULTIMODE FIBER
MDF	MAIN DISTRIBUTION FACILITY/FRAME
MH	MANHOLE
MMF	MULTI-MODE FIBER
MPOE	MINIMUM POINT OF ENTRY
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFE	OWNER FURNISHED EQUIPMENT
OFOI	OWNER FURNISHED, OWNER INSTALLED
OSP	OUTSIDE PLANT CABLE
PB	PULLBOX
PR	PAIR
QTY	QUANTITY
REQ	REQUIREMENT
RM	ROOM
SMF	SINGLE-MODE FIBER (ZERO WATER PEAK)
TGB	TELECOMMUNICATIONS GROUNDING BUSBAR
TMGB	TELECOMMUNICATIONS MAIN GROUNDING BUSBAR
TSER	TELECOMMUNICATIONS SERVICE ENTRANCE ROOM
UPS	UNINTERUPTIBLE POWER SUPPLY
UTP	UNSHIELDED TWISTED PAIR
UON	UNLESS OTHERWISE NOTED
VIF	VERIFY IN FIELD
WAP	WIRELESS ACCESS POINT
WP	WEATHERPROOF
ZDF	ZONE DISTRIBUTION FACILITY/FRAME

SYMBOLS

DETAIL REFERENCE:
- (X) DENOTES DETAIL NUMBER
- (Y) DENTOES DRAWING NUMBER

SECTION REFERENCE:
- (X) DENOTES DETAIL NUMBER
- (Y) DENTOES DRAWING NUMBER

KEYNOTE REFERENCE:
- (#) DENOTES IDENTIFIER

UNDERGROUND MANHOLE:
- (#) DENOTES IDENTIFIER

PEDESTAL:
- (#) DENOTES IDENTIFIER

UNDERGROUND PULL BOX:
- (#) DENOTES IDENTIFIER

SERVICE LOOP:
- (#) DENOTES LENGTH

POLE

COPPER SPLICE

FIBER SPLICE

SLEEVE ASSEMBLY

CONDUIT PATHWAY

CABLE TRAY

PULL BOX

CONDUIT UP

CONDUIT DOWN

CONNECTIVITY TERMINATION POINT

QUANTITY TO BE DETERMINED

SNAKE TRAY 101

TELECOM SYMBOLS - OUTLETS

	WALL OUTLET
	CEILING OUTLET
	FLOOR BOX OUTLET
	WIRELESS OUTLET
	CEILING WIRELESS OUTLET
	WALL PHONE OUTLET
	STACKED WALL PHONE WITH VOICE & DATA OUTLET
	WALL FEEDPOINT
	FLOOR FEEDPOINT
	FLOOR POKE THRU OUTLET

SECURITY OUTLETS REQUIRING IP CONNECTIVITY, COORDINATE WITH SECURITY CONTRACTOR

	SECURITY OUTLET
	SECURITY CEILING OUTLET
	SECURITY FLOOR OUTLET

AV OUTLETS REQUIRING IP CONNECTIVITY, COORDINATE WITH AV CONTRACTOR

	AV OUTLET
	AV CEILING OUTLET
	AV FLOOR OUTLET

CONDUITS PATHWAYS AND ENCLOSURES

1. GENERAL REQUIREMENTS:
   a. REQUIREMENTS FOR CONDUITS AND BACK BOXES IN SPECIFICATION 27 05 33 COMMUNICATION CONDUITS AND BOXES SHALL BE FOLLOWED.

PULL BOX SIZING GUIDE

CONDUIT	PULL BOX	PULL BOX	PULL BOX	PULL BOX W/ INCREASE
TRADE SIZE (in.)	WIDTH (in.)	LENGTH (in.)	DEPTH (in.)	FOR ADDITIONAL CONDUIT (in.)
1	4	16	3	2
1 1/4	6	20	3	3
1 1/2	8	27	4	4
2	8	36	4	5
2 1/2	10	42	5	6
3	12	48	5	6
3 1/2	12	54	6	6
4	15	60	8	8

SYMBOL DESIGNATION

4-PAIR DESIGNATION:

4-PAIR	
Ø	Ø
A	1
B	2
C	3
D	4
E	5
F	6
G	7
H	8
I	9
J	10
K	11
L	12
M	13
N	14
O	15
P	16
Q	17
R	18
S	19
T	20
U	21
V	22
X	23
W	24
Y	36
Z	48

OUTLETS SHOWN WITHOUT DESIGNATION LETTERS EITHER IN THE TRIANGLE OR A FLAG ARE PATHWAY ONLY LOCATIONS, EXCEPT AS ILLUSTRATED IN DETAILS SHEETS.

A — FIRST DESIGNATION LETTER DENOTES QUANTITY OF 4-PAIR CABLES

EXAMPLE:
"A" DESIGNATION IS (1) 4-PAIR CABLE

FIBER DESIGNATION:

MMF	
Ø	0
A	2
B	4
C	6
D	8
E	10
F	12
G	18
H	24
I	36
J	48

A — SECOND DESIGNATION LETTER (A-J) DENOTES QUANTITY OF MULTI-MODE FIBER STRANDS

EXAMPLE:
"A" DESIGNATION IS (1) 2 STRAND MMF CABLE

SMF	
Ø	0
K	2
L	4
M	6
N	8
O	10
P	12
Q	18
R	24
S	36
T	48

L — SECOND DESIGNATION LETTER (K-T) DENOTES QUANTITY OF SINGLE-MODE FIBER STRANDS

EXAMPLE:
"L" DESIGNATION IS (1) 4 STRAND SMF CABLE

	SMF	MMF
Ø	0	0
U	6	6
V	*	*
W	*	*
X	*	*
Y	*	*
Z	*	*

U — SECOND DESIGNATION LETTER (U-Z) DENOTES QUANTITY OF MMF AND SMF STRANDS

EXAMPLE:
"U" DESIGNATION IS (1) 6 STRAND MMF AND (1) 6 STRAND SMF CABLE

COAX DESIGNATION:

COAX	
Ø	0
A	1
B	2
C	3
D	4
E	5
F	6
G	7
H	8
I	9
J	10
K	11
L	12

B — THIRD DESIGNATION LETTER (A-L) DENOTES QUANTITY OF COAX CABLES

EXAMPLE:
"B" DESIGNATION IS (2) COAX CABLES

SYMBOL DESIGNATION EXAMPLES

STACKED WALL PHONE VOICE & DATA OUTLET → (3) 4-PAIR CABLES

WALL PHONE OUTLET → (1) 4-PAIR CABLE

WALL OUTLET → D A → (2) STANDS OF MMF; (4) 4-PAIR CABLES

WALL DIGITAL DISPLAY OUTLET → B B → (2) COAX CABLES; NO FIBER ASSIGNED; (2) 4-PAIR CABLES

FLOOR DIGITAL DISPLAY OUTLET → D U B → (2) COAX CABLES; (6) STRANDS OF MMF; (6) STRANDS OF SMF; (4) 4-PAIR CABLES

DRAWING LIST

TT0.00	TELECOM GENERAL NOTES, ABBREVIATIONS, SYMBOLS AND DRAWING LIST
TT2.01	TELECOM FLOOR PLAN - LEVEL 1
TT2.02	TELECOM FLOOR PLAN - MEZZANIINE LEVEL
TT2.03	TELECOM FLOOR PLAN - LEVEL 2
TT2.04	TELECOM FLOOR PLAN - ROOF
TT3.01	TELECOM REFLECTED CEILING PLAN - LEVEL 1
TT3.02	TELECOM REFLECTED CEILING PLAN - MEZZANINE LEVEL
TT3.03	TELECOM REFLECTED CEILING PLAN - LEVEL 2
TT4.10	TELECOM MPOE/IDF ROOM 107H ENLARGED PLANS AND ELEVATIONS
TT4.11	TELECOM IDF ROOM 112B ENLARGED PLANS AND ELEVATIONS
TT4.20	TELECOM MDF ROOM 305 ENLARGED PLANS AND ELEVATIONS
TT5.00	TELECOM RISER DIAGRAM
TT5.01	TELECOM BONDING AND GROUNDING RISER DIAGRAM
TT6.00	TELECOM DETAILS
TT6.01	TELECOM DETAILS
TT6.02	TELECOM DETAILS
TT6.03	TELECOM DETAILS
TT7.00	TELECOM RACK ELEVATION
TT7.01	TELECOM RACK ELEVATION
TT7.02	TELECOM RACK ELEVATION
TT7.03	TELECOM RACK ELEVATION

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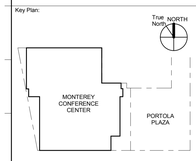
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015
1	ADDENDUM 1	11 SEPT 2015

Key Plan:



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Sheet Name:

TELECOM GENERAL NOTES, ABBREVIATIONS, SYMBOLS AND DRAWING LIST

Project No.: 14466
Drawn By: RM
Checked By: RA
Scale: NONE

Sheet No.: TT0.00

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1 TELECOM FLOOR PLAN - LEVEL 1
3/32" = 1'-0"

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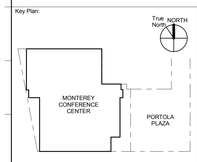

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Sheet Name:

TELECOM FLOOR PLAN - LEVEL 1

Project No.:	14466
Drawn By:	RM
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Scale:	3/32" = 1'-0"

Sheet No.:

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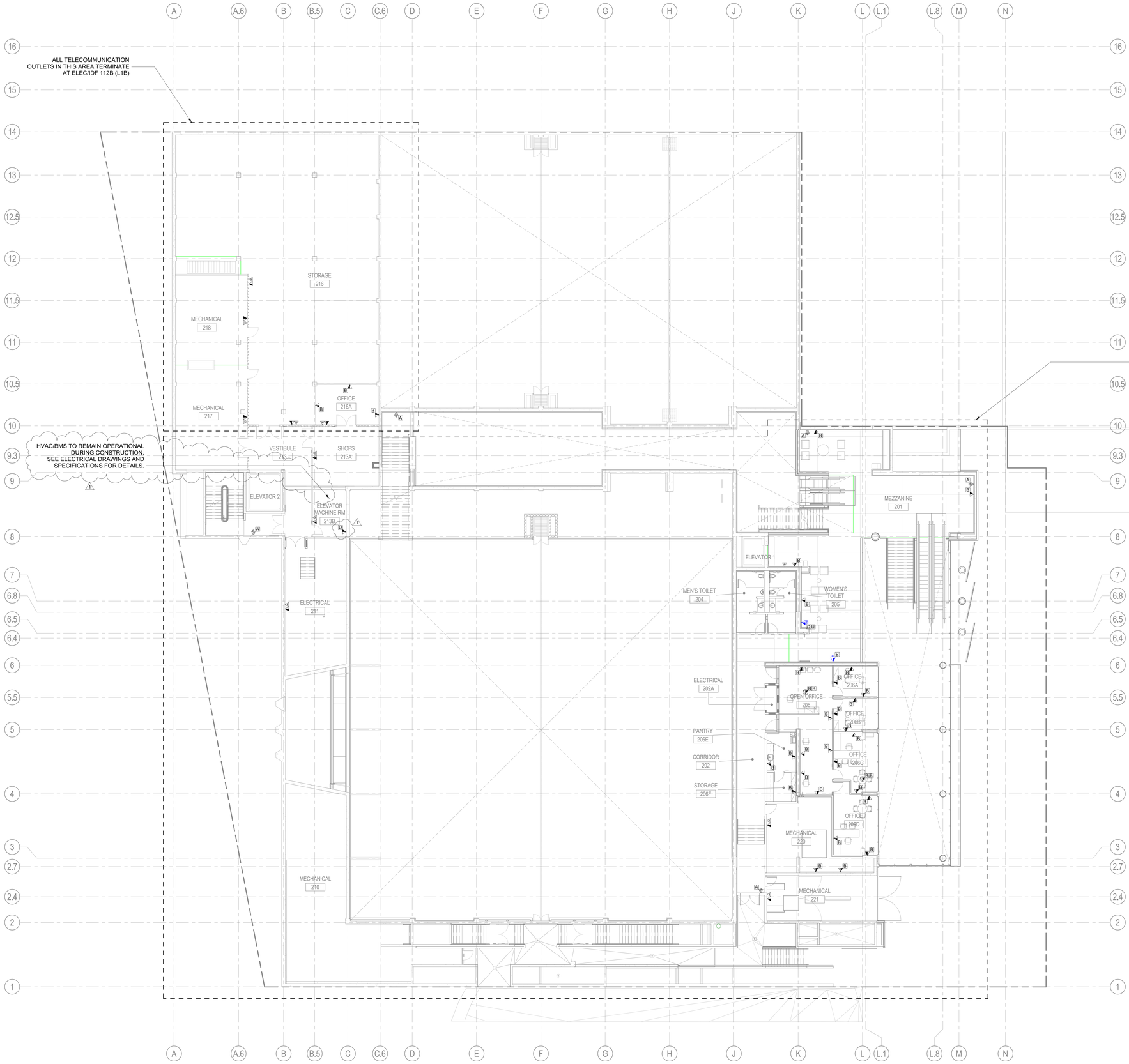

1 TELECOM FLOOR PLAN - MEZZANINE LEVEL
3/32" = 1'-0"

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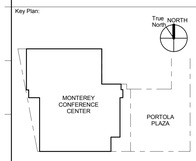

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Sheet Name:

TELECOM FLOOR PLAN - MEZZANINE LEVEL

Project No.:	14466	Sheet No.:
Drawn By:	RM	TT2.02
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Scale:	3/32" = 1'-0"	

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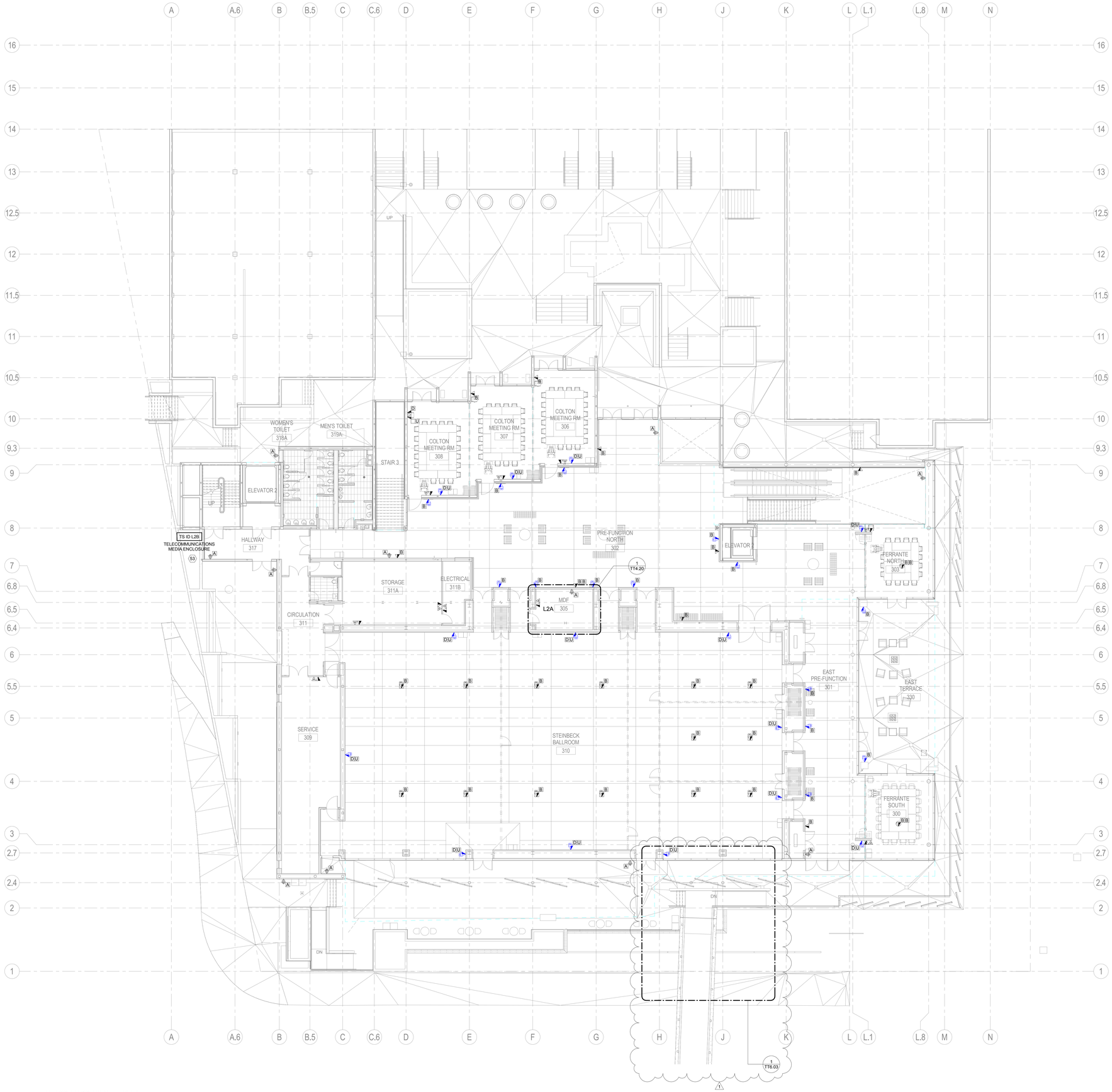
53	(1) QUAD 5-20R RECEPTACLE



1 TELECOM FLOOR PLAN - LEVEL 2
3/32" = 1'-0"

SHEET NOTES:

1. ALL TELECOMMUNICATION OUTLETS ON THIS SHEET TERMINATE AT MDF 305 (L2A).

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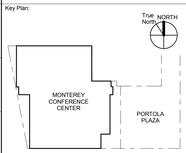

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Sheet Name:

TELECOM FLOOR PLAN - LEVEL 2

Project No.:	14466
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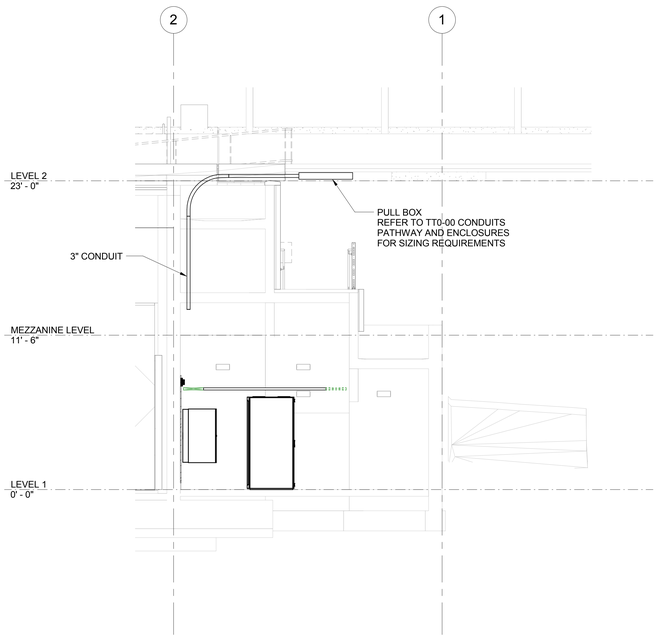
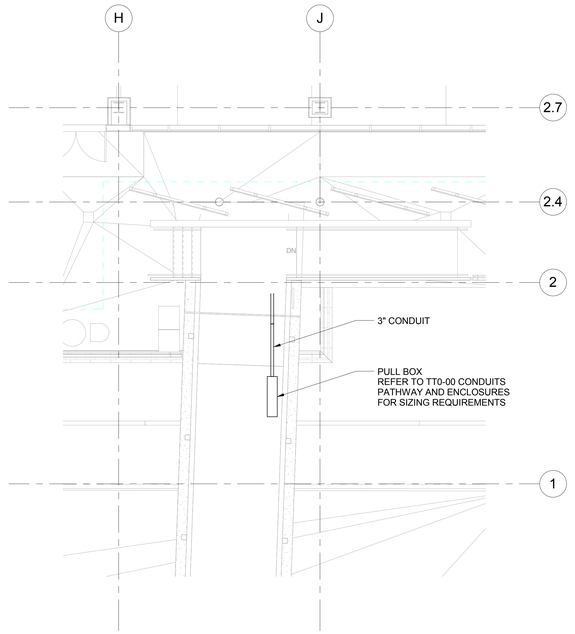
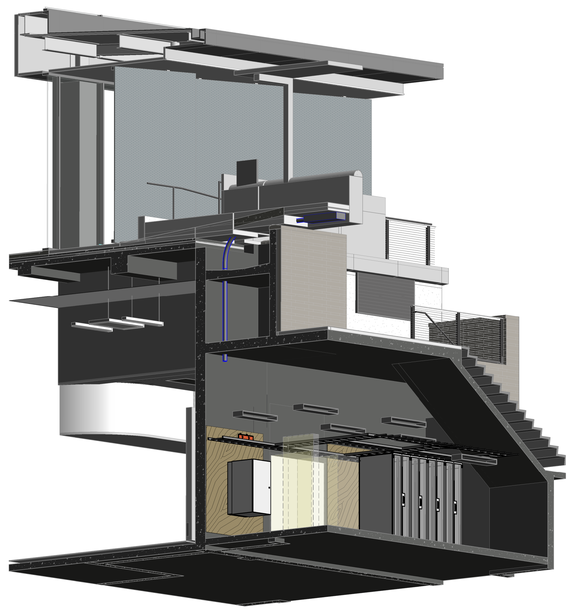


2 TELECOM - FUTURE PATHWAY TO MARRIOTT - ELEVATION VIEW
1/4" = 1'-0"



1 TELECOM - FUTURE PATHWAY TO MARRIOTT - PLAN VIEW
3/16" = 1'-0"



3 TELECOM - FUTURE PATHWAY TO MARRIOTT - ISOMETRIC VIEW

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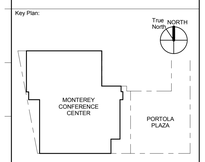
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

Consultants:
SM&W
SHEN MILSOM WILKE
33 New Montgomery Street
San Francisco, CA 94105
Tel: 415-391-7610

Issued For:

No.	Description:	Date:
1	ADDENDUM 1	11 SEPT 2015

Key Plan:



Seal & Signature:

Sheet Name:
TELECOM DETAILS

Project No.:	14466
Drawn By:	RM
Checked By:	RA
Scale:	As indicated

Sheet No.: 1 TT6.03

Approved as to Form
CAO RISK

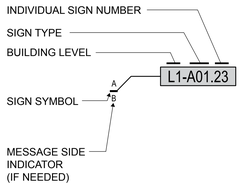
9/2015 8:26 AM

Sign Type	Sign Description	Elevation Sheet	Detail
E01	Building ID on Canopy	GR5.01 / 01	GR8.01 / 01
E02	Building ID on Stairs	GR5.01 / 02	GR8.03 / 02
E03	Identity on SW Wall	GR5.01 / 04	GR8.03 / 03
E04	Identity on Glazing	GR5.01 / 12	GR8.03 / 01
E06	Freestanding Sign at Bridge	GR5.01 / 10	GR8.02 / 04
E07	Address	GR5.01 / 12	GR8.02 / 16
E08	Building ID at Jeffers Plaza	GR5.01 / 09	GR8.03 / 04
E09	Jeffers Plaza ID	GR5.01 / 09	GR8.03 / 04
E10	Accessible Route (Freestanding)	GR5.01 / 08	GR8.02 / 06
E11	Loading Bay Clearance	GR5.01 / 11	GR8.02 / 05
A01	Room ID to Gypsum Wall	GR6.01 / 01	GR9.01 / 01-05
A02	Room ID to Wood	GR6.01 / 03	GR9.01 / 01-09
A05	Administration ID	GR6.01 / 05	GR9.02 / 02
A06	Directional Wall Mount at Stairs	GR6.01 / 06	GR9.01 / 03
A07	Freestanding Directional Totem	GR6.01 / 07	GR9.01 / 10
A08a	Projecting Blade L1, MZ	GR6.01 / 08-12	GR9.01 / 07
A08b	Projecting Blade L2	GR6.01 / 07-11	GR9.01 / 07
A09	Projecting Blade 8"	GR6.01 / 10	GR9.01 / 12
A20	Elevator Directory	GR6.01 / 10-12	GR9.01 / 14
B01	Tactile Room Number (BOH)	GR6.01 / 13	GR9.02 / 01
B02	Tactile Room ID (BOH)	GR6.01 / 14	GR9.02 / 02
B03	Tactile Office ID w/Insert	GR6.01 / 14	GR9.02 / 03
B10	Tactile Meeting Room ID (Gypsum)	GR6.01 / 01	GR9.02 / 04
B11	Tactile Meeting Room ID (Wood)	GR6.01 / 03-04	GR9.02 / 04
B12	Tactile Meeting Room ID (Airwall)	GR6.01 / 14	GR9.02 / 04
B13	Tactile Meeting Room ID (Glass)	GR6.01 / 14	GR9.02 / 04
C01	Tactile Washroom	GR6.01 / 08-11	GR9.20 / 01 - 04
C02	CA Code Washroom Men	GR6.01 / 11	GR9.20 / 05
C03	CA Code Washroom Women	GR6.01 / 11	GR9.20 / 06
C04	CA Code Washroom Unisex	GR6.01 / 08	GR9.20 / 07
C05a	Maximum Occupancy	GR6.20 / 05	GR9.20 / 16
C05b	Maximum Occupancy (For Exit)	GR6.20 / 02	GR9.20 / 16
C08	Accessible Route (Freestanding)	GR6.20 / 04	GR9.21 / 03
C09	Information Plaque	GR6.20 / 05 - 06	GR9.20 / 12
C10A	Fire Evacuation Plaque @ Ground Floor	GR6.01 / 10	GR9.21 / 13
C10B	Fire Evacuation Plaque @ Upper Floors	GR6.01 / 12	GR9.21 / 09
C11	Elevator Call Button	GR6.01 / 10	GR9.22 / 01
C12A	Tactile Exit / Stairs / Level	GR6.20 / 02 - 07	GR9.20 / 13 - 15
C12B	Tactile Exit (For Fire Evac Plaque)	GR6.20 / 08	GR9.21 / 04
C12C	Tactile Exit (For Max Occupancy)	GR6.20 / 02	GR9.21 / 01
C13	Stairwell ID Sign	GR6.20 / 09 - 10	GR9.22 / 09
C14	Emergency Exit Symbol	GR6.20 / 11	GR9.22 / 04
C16	No Smoking	GR5.01 / 12	GR9.22 / 16
C17A	Accessible Decal	GR5.01 / 12	GR9.21 / 16
C18	Door Alarm Warning	GR6.20 / 14	GR9.22 / 07
C19	No Re-Entry - Doors Locked	GR6.20 / 15	GR9.22 / 11
C20	Fire Command Center	GR6.20 / 15	GR9.22 / 08
C21A	Fire Extinguisher Wall Mount	GR6.20 / 13	GR9.22 / 13
C21B	Fire Extinguisher Projecting Blade	GR6.20 / 13	GR9.22 / 15
C22	Standpipe Location Plaque	GR6.20 / 09 - 10	GR9.22 / 09
C23	Do Not Block Doors	GR6.20 / 15	GR9.22 / 03

SHEET NOTES – SIGN PLAN

1. All site conditions to be verified in field prior to locating signs.
2. Refer to Appendix D in Signage Specification 101410 for all messages

SIGN PLAN LEGEND



MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL

580 PACIFIC STREET, MONTEREY, CA 93940
TEL: (831) 646-5601

Architect:

SOM

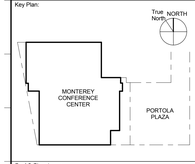
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

Consultants:

Issued For:

No.:	Description:	Date:
1	ADDENDUM 1	11 SEPT 2015

Key Plan:



Seal & Signature:

LICENSED ARCHITECT
CLIFTON K. BOSWELL
C-26963
MAY 31 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:

GENERAL NOTES

Project No.: 215004
Sheet No.: GR0.0.1
Drawn By: DL
Checked By: Checker
Scale:

9/2/2015 4:56:05 PM

Approved as to Form: CAO RISK

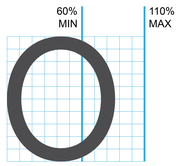
TYPEFACES

TEXTA NARROW REGULAR

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890

TACTILE CHARACTER REQUIREMENTS

CHARACTER WIDTH : HEIGHT RATIO



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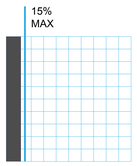
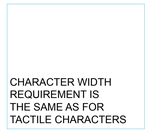
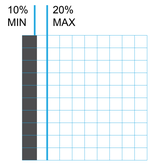


VISUAL CHARACTER REQUIREMENTS



STROKE WIDTH : HEIGHT RATIO

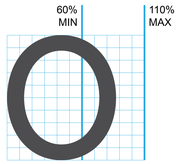


TEXTA NARROW MEDIUM

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890

VISUAL CHARACTER REQUIREMENTS

CHARACTER WIDTH : HEIGHT RATIO



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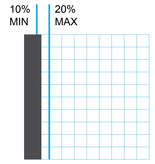

HELVETICA NEUE CONDENSED BOLD

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1234567890

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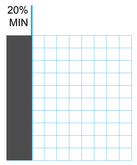
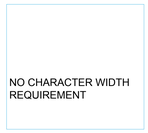




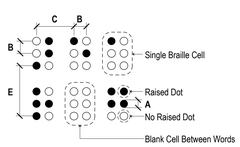
BRAILLE

⠠⠃⠗⠁⠊⠇⠇⠑

California Contracted Grade 2 Braille

TABLE 703.3.1 BRAILLE DIMENSIONS

	Measurement Range	Minimum / Maximum Tolerances
A	Dot base diameter	0.059 (1.5 mm) / 0.063 (1.6 mm)
B	distance between two Dots in the same cell[1]	0.090 (2.3 mm) / 0.100 (2.5 mm)
C	Distance between corresponding Dots in adjacent cells cells[1]	0.241 (6.1 mm) / 0.300 (7.6 mm)
D	Dot height	0.025 (0.6 mm) / 0.037 (0.9 mm)
E	Distance between corresponding Dots from one cell directly below[1]	0.395 (10 mm) / 0.400 (10.2 mm)

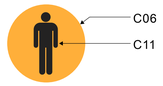


COLOR SCHEDULE

COLOR	SWATCH	DESCRIPTION	TO MATCH	VINYL
C01		WHITE TACTILE & VISUAL CHARACTERS	PMS COOL GRAY 1 C	
C02		DARK GREY METALLIC	MP18213 WROUGHT IRON METALLIC	
C03		METALLIC SILVER	BRUSHED ALUMINUM	
C04		FEDERAL BLUE	FEDERAL STANDARD COLOR 15090 PMS 2945 MATTHEWS MP02160 SAILBOAT BLUE	
C05		RED	PMS Warm Red U	
C06		YELLOW	PMS 1235 U	
C07		GREEN	PMS 369 U	
C08		BRIGHT WHITE	TBD	On Glazing: Avery Translucent White UC 900-101-T On other surfaces: Avery White HP 700-101-O
C09		TBD	TBD	
C10		PHOTOLUMINESCENT	TBD	
C11		BLACK	PMS PROCESS BLACK	
C12		TBD	TBD	
C13		TBD	TBD	

EVACUATION MAP PICTOGRAMS

YOU ARE HERE

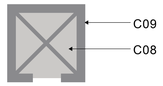


AREA OF REFUGE /
ISA SYMBOL

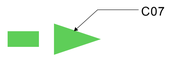
ALARM PULL STATION

EXIT TO EXTERIOR

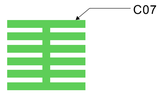
ELEVATOR (PLAN)



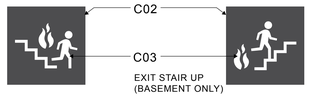
EXIT ROUTE



EXIT STAIR



EXIT STAIR DOWN



WAYFINDING PICTOGRAMS

RESTROOM
MEN

HYDRATION
STATION

RESTROOM
WOMEN

BABY CHANGING
STATION

UNISEX
RESTROOM

ESCALATOR

ELEVATOR

FIRST AID

NO SMOKING

TAXI

FIRE
EXTINGUISHER

STAIRS

ASSISTIVE
LISTENING

ARROW

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL

580 PACIFIC STREET, MONTEREY, CA 93940
TEL: (831) 646-5601

Architect:

SOM

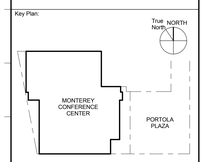
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

Consultants:

Issued For:

No.:	Description:	Date:
1	ADDENDUM 1	11 SEPT 2015

Key Plan:



Seal & Signature:

Sheet Name:

GRAPHIC
ELEMENTS

Project No.:	Sheet No.:
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Drawn By: DL	
Checked By: Checker	
Scale:	

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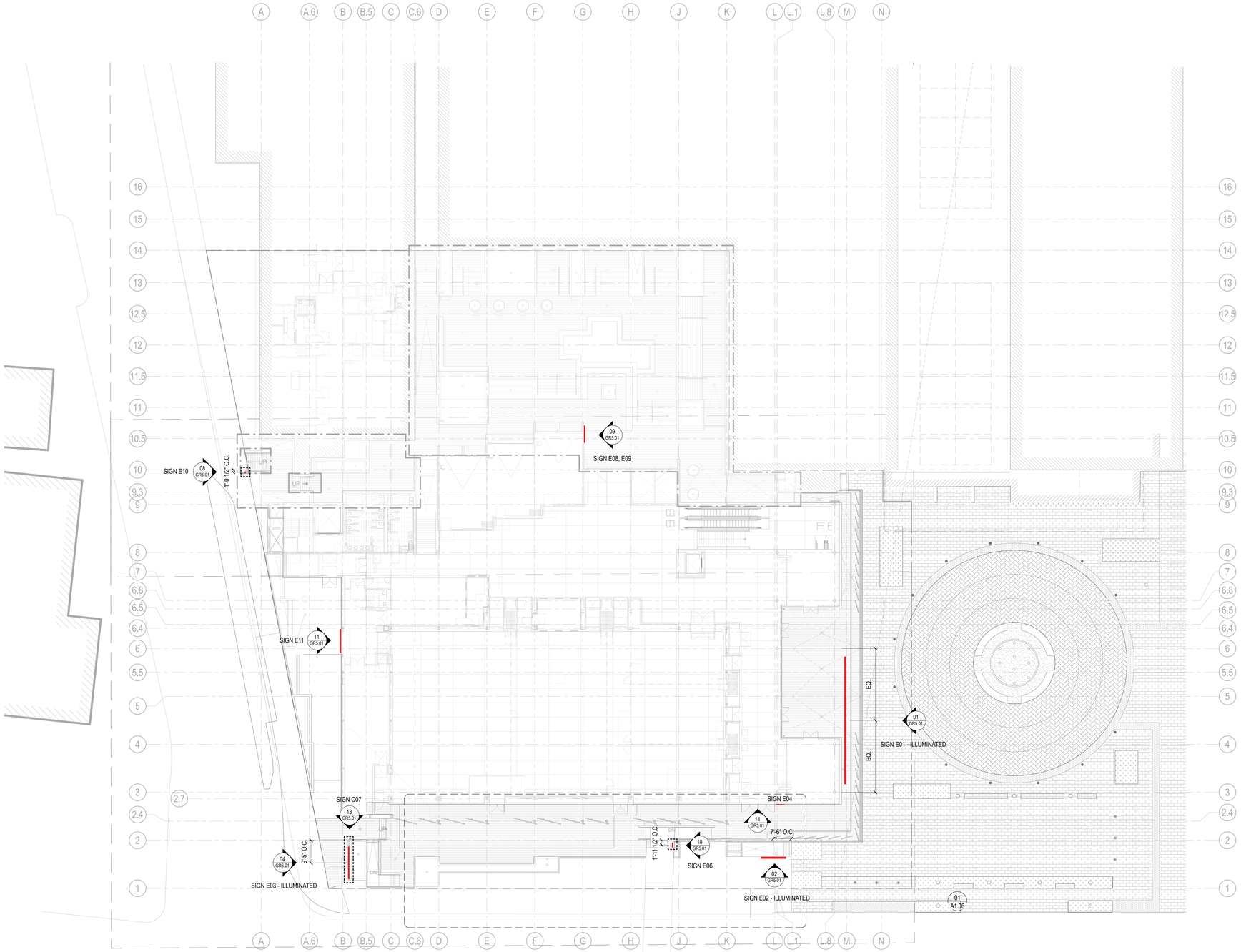

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL

580 PACIFIC STREET, MONTEREY, CA 93940
TEL: (831) 646-5601

Architect:

SOM

SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

Consultants:

Issued For:

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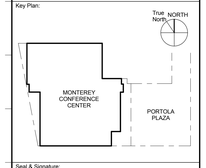
Key Plan:



Seal & Signature:

LICENSED ARCHITECT
CLIFTON K. BOSWELL
C-26963
MAY 31 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:

SITE SIGN PLAN

Project No.:	215004	Sheet No.:
Drawn By:	Author	GR1.01
Checked By:	Checker	
Scale:	1/16" = 1'-0"	

9/2/2015 4:56:16 PM

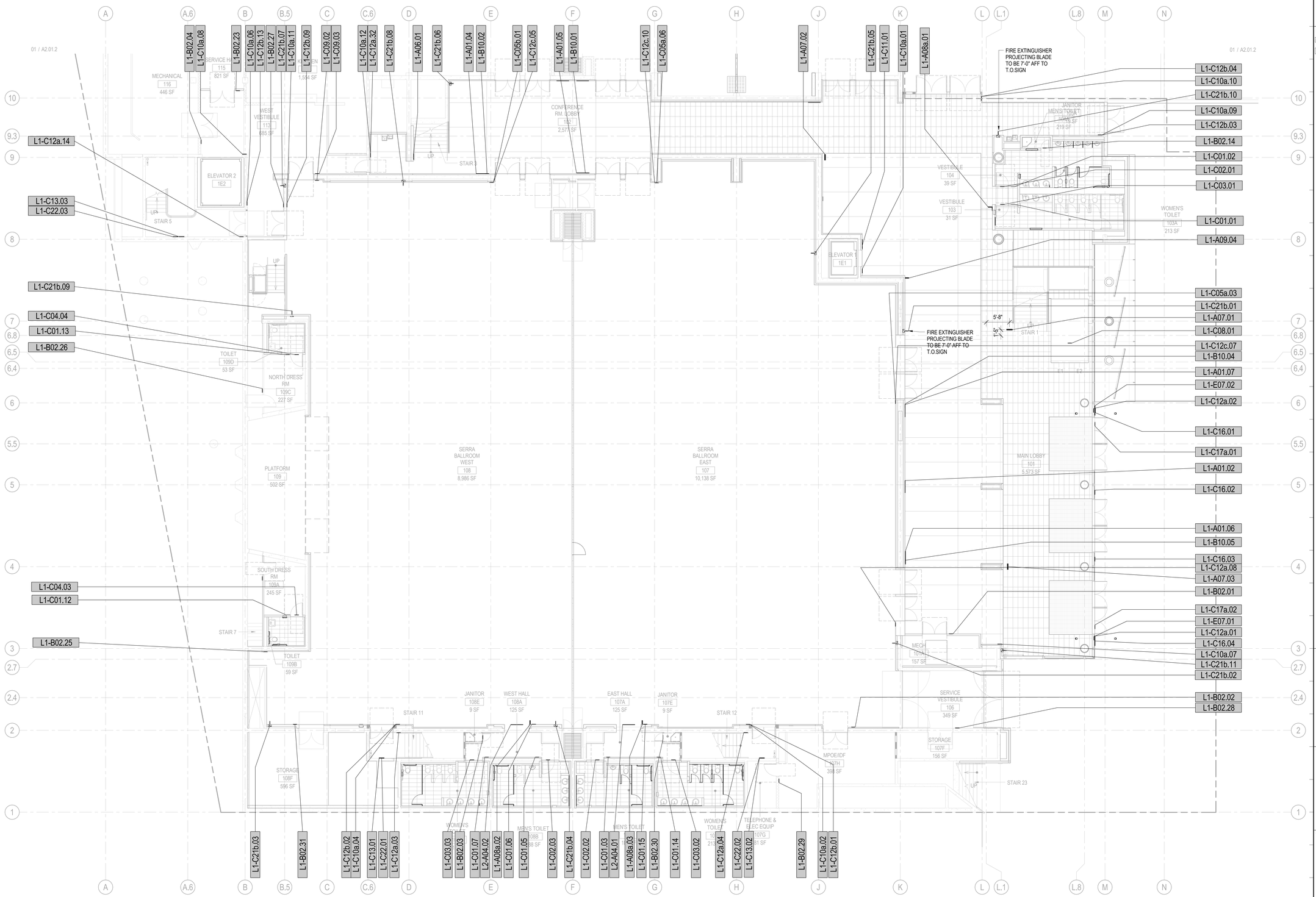
Approved as to Form
CAO RISK

Sign Type Legend	
Type Mark	Sign Description
	ACCESSIBLE ROUTE (WALL MTD)
A01	ROOM ID TO GYPSUM WALL
A02	ROOM ID TO WOOD
A04	ROOM ID TO GYPSUM WALL
A05	ADMINISTRATION ID
A06	DIRECTIONAL WALL MOUNT AT STAIRS
A07	FREESTANDING DIRECTIONAL TOTEM
A08a	PROJECTING BLADE L1, LM
A08b	PROJECTING BLADE L2
A09	PROJECTING BLADE L1
A20	ELEVATOR DIRECTORY
B01	TACTILE ROOM NUMBER (BOH)
B02	TACTILE ROOM ID (BOH)
B03	TACTILE OFFICE ID W/INSERT

Sign Type Legend	
Type Mark	Sign Description
B10	TACTILE MEETING ROOM ID (GYPSUM)
B11	TACTILE MEETING ROOM ID
B13	TACTILE MEETING ROOM ID
C01	TACTILE RESTROOM
C02	CA Code MENS WASHROOM
C03	CA Code WOMENS WASHROOM
C04	CA Code UNISEX RESTROOM
C05a	MAXIMUM OCCUPANCY
C05b	Maximum Occupancy
C08	ACCESSIBLE ROUTE (FREESTANDING)
C09	INFO PLAQUE (VISUAL)
C10a	FIRE EVACUATION PLAQUE @ GROUND FLOOR
C10b	FIRE EVAC PLAQUE @ UPPER FLOORS
C11	ELEVATOR CALL BUTTON

Sign Type Legend	
Type Mark	Sign Description
C12a	TACTILE EXIT/LEVEL/STAIR
C12b	TACTILE EXIT/LEVEL/STAIR (For Fire Evac. Plaque)
C12c	TACTILE EXIT/LEVEL/STAIR (For Max Occupancy)
C13	STAIRWAY ID SIGN
C14	EMERGENCY EGRESS SYMBOL
C16	NO SMOKING
C17a	ACCESSIBLE DOOR DECAL
C21b	FIRE EXTINGUISHER PROJECTING BLADE
C22	STANDPIPE LOCATION PLAQUE
C23	DO NOT BLOCK DOORS
E01	BUILDING ID ON CANOPY
E02	BUILDING IDENTITY AT STAIRS
E03	IDENTITY ON SW CORNER WALL

Sign Type Legend	
Type Mark	Sign Description
E04	IDENTITY ON GLAZING
E06	FREESTANDING SIGN AT BRIDGE
E07	BUILDING ADDRESS
E08	BUILDING ID AT JEFFERS PLAZA
E09	JEFFERS PLAZA ID
E10	ACCESSIBLE ROUTE (FREESTANDING)
E11	LOADING BAY CLEARANCE



ENLARGED SIGN PLAN - LEVEL 1 - SOUTH
SCALE: 1/8" = 1'-0"

01

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7/6/2015 4:43:04 PM

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL

580 PACIFIC STREET, MONTEREY, CA 93940
TEL: (831) 646-5601

Architect:
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ONE FRONT STREET,
SAN FRANCISCO, CA 94111

Consultants:

Issued For:

No.:	Description:	Date:
1	ADDENDUM 1	11 SEPT 2015

Key Plan:
True North
NORTH
MONTEREY CONFERENCE CENTER
PORTOLA PLAZA

Seal & Signature:
LICENSED ARCHITECT
CLIFTON K. BOSWELL
C-26963
MAY 3 1 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:
ENLARGED SIGN PLAN - LEVEL 1 - SOUTH

Project No.:	215004	Sheet No.:	GR2.01.1
Drawn By:	Author		
Checked By:	Checker		
Scale:	1/8" = 1'-0"		

Sign Type Legend	
Type Mark	Sign Description
	ACCESSIBLE ROUTE (WALL MTD)
A01	ROOM ID TO GYPSUM WALL
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Sign Type Legend	
Type Mark	Sign Description
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B11	TACTILE MEETING ROOM ID
B13	TACTILE MEETING ROOM ID
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C03	CA Code WOMENS WASHROOM
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C05b	Maximum Occupancy
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C10b	FIRE EVAC PLAQUE @ UPPER FLOORS
C11	ELEVATOR CALL BUTTON

Sign Type Legend	
Type Mark	Sign Description
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C12b	TACTILE EXIT/LEVEL/STAIR (For Fire Evac. Plaque)
C12c	TACTILE EXIT/LEVEL/STAIR (For Max Occupancy)
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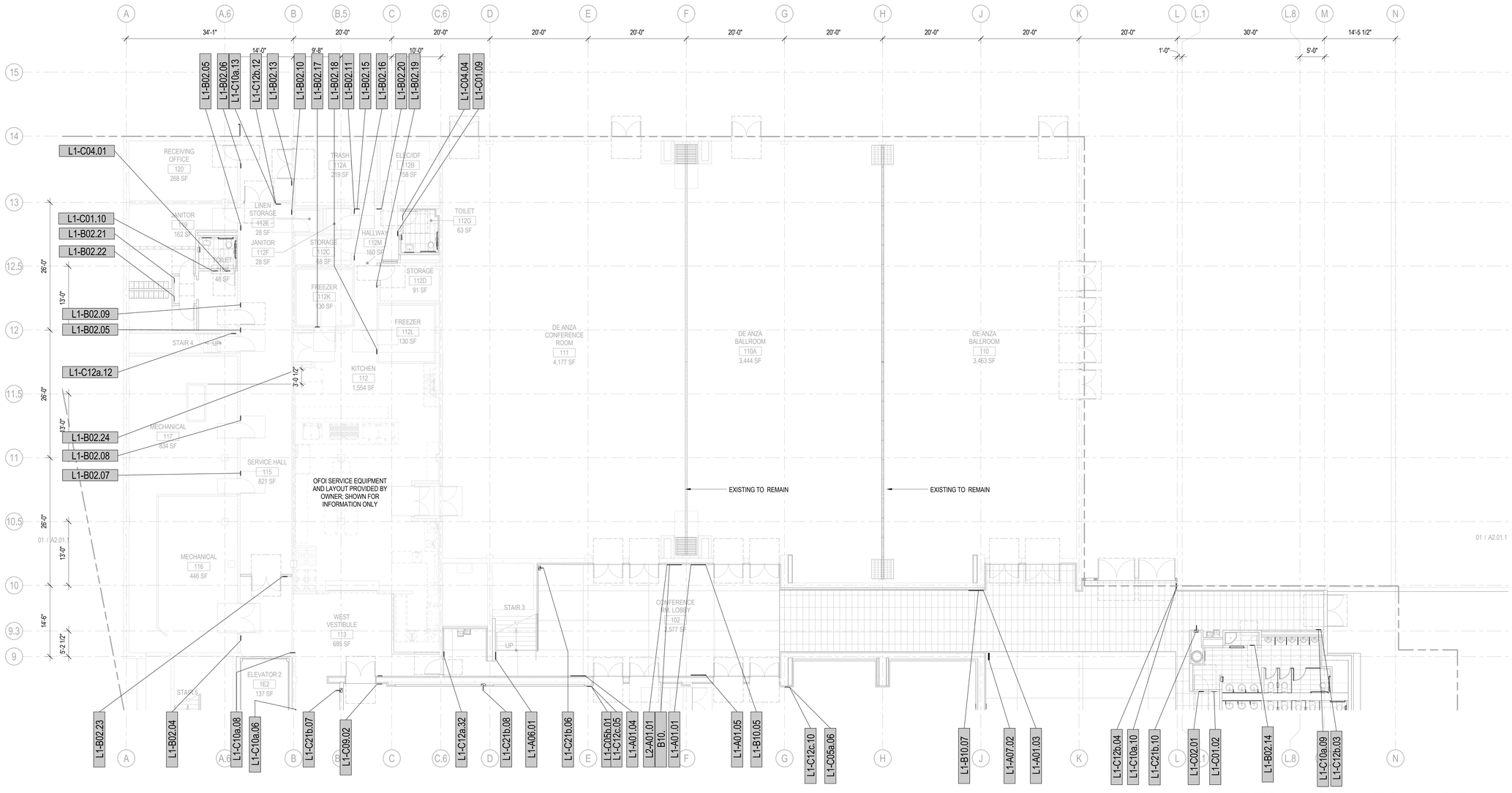
C14	EMERGENCY EGRESS SYMBOL
C16	NO SMOKING
C17a	ACCESSIBLE DOOR DECAL
C21b	FIRE EXTINGUISHER PROJECTING BLADE
C22	STANDPIPE LOCATION PLAQUE
C23	DO NOT BLOCK DOORS
E01	BUILDING ID ON CANOPY
E02	BUILDING IDENTITY AT STAIRS
E03	IDENTITY ON SW CORNER WALL

Sign Type Legend	
Type Mark	Sign Description
E04	IDENTITY ON GLAZING
E06	FREESTANDING SIGN AT BRIDGE
E07	BUILDING ADDRESS
E08	BUILDING ID AT JEFFERS PLAZA
E09	JEFFERS PLAZA ID
E10	ACCESSIBLE ROUTE (FREESTANDING)
E11	LOADING BAY CLEARANCE



ENLARGED SIGN PLAN - LEVEL 1 - NORTH 01

SCALE: 1/8" = 1'-0"

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL

580 PACIFIC STREET, MONTEREY, CA 93940
TEL: (831) 646-5601

Architect:

SOM

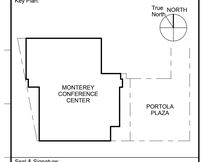
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

Consultants:

Issued For:

No.	Description:	Date:
1	ADDENDUM 1	11 SEPT 2015

Key Plan:



Seal & Signature:

LICENSED ARCHITECT
CLIFTON K. BOSWELL
C-26963
MAY 31, 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:

ENLARGED SIGN PLAN - LEVEL 1 - NORTH

Project No.:	215004	Sheet No.:	GR2.01.2
Drawn By:	Author		
Checked By:	Checker		
Scale:	1/8" = 1'-0"		

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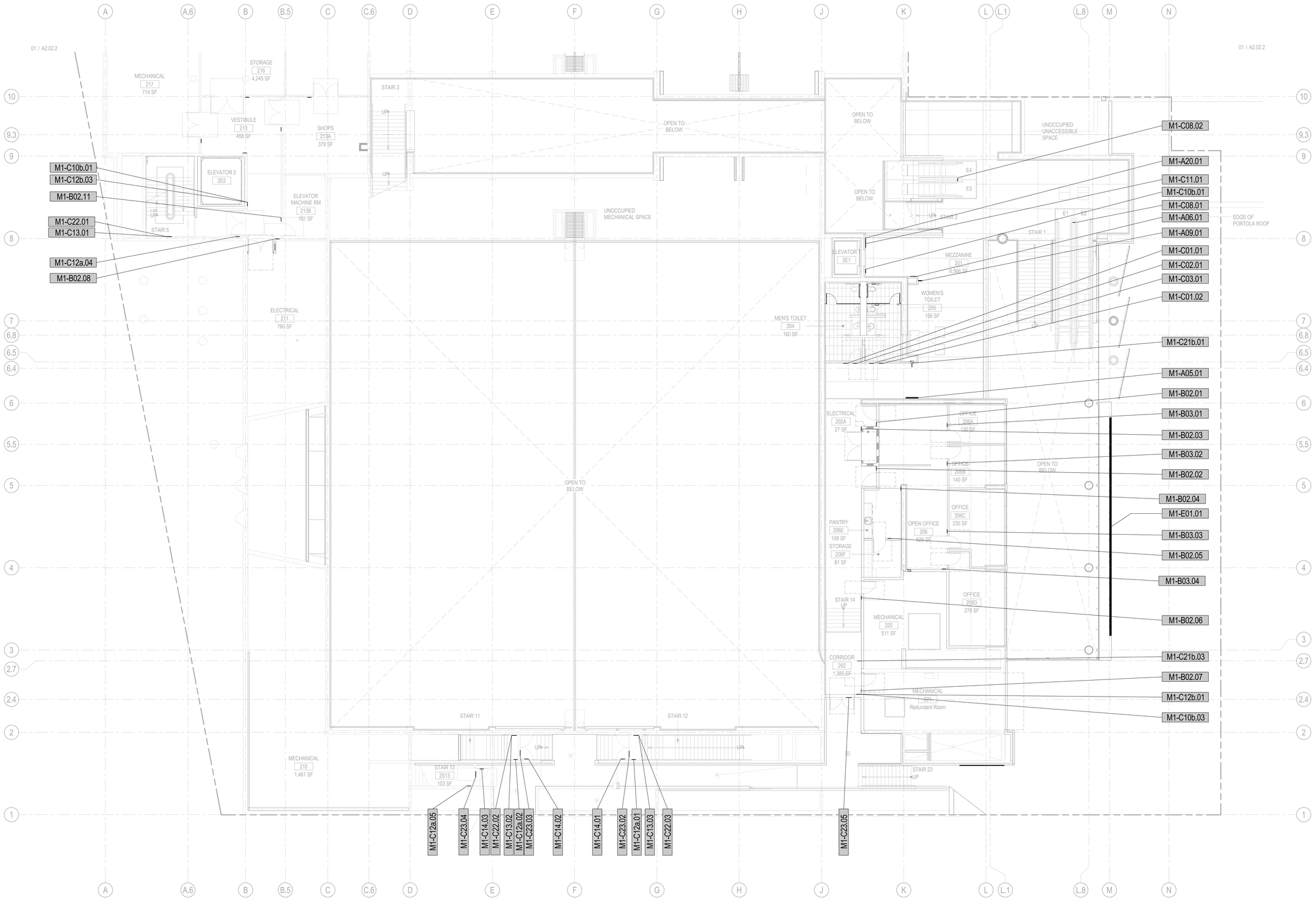
Approved as to Form CAO RISK

Sign Type Legend	
Type Mark	Sign Description
	ACCESSIBLE ROUTE (WALL MTD)
A01	ROOM ID TO GYPSUM WALL
A02	ROOM ID TO WOOD
A04	ROOM ID TO GYPSUM WALL
A05	ADMINISTRATION ID
A06	DIRECTIONAL WALL MOUNT AT STAIRS
A07	FREESTANDING DIRECTIONAL TOTEM
A08a	PROJECTING BLADE L1, LM
A08b	PROJECTING BLADE L2
A09	PROJECTING BLADE L1
A20	ELEVATOR DIRECTORY
B01	TACTILE ROOM NUMBER (BOH)
B02	TACTILE ROOM ID (BOH)
B03	TACTILE OFFICE ID W/INSERT

Sign Type Legend	
Type Mark	Sign Description
B10	TACTILE MEETING ROOM ID (GYPSUM)
B11	TACTILE MEETING ROOM ID
B13	TACTILE MEETING ROOM ID
C01	TACTILE RESTROOM
C02	CA Code MENS WASHROOM
C03	CA Code WOMENS WASHROOM
C04	CA Code UNISEX RESTROOM
C05a	MAXIMUM OCCUPANCY
C05b	Maximum Occupancy
C08	ACCESSIBLE ROUTE (FREESTANDING)
C09	INFO PLAQUE (VISUAL)
C10a	FIRE EVACUATION PLAQUE @ GROUND FLOOR
C10b	FIRE EVAC PLAQUE @ UPPER FLOORS
C11	ELEVATOR CALL BUTTON

Sign Type Legend	
Type Mark	Sign Description
C12a	TACTILE EXIT/LEVEL/STAIR
C12b	TACTILE EXIT/LEVEL/STAIR (For Fire Evac. Plaque)
C12c	TACTILE EXIT/LEVEL/STAIR (For Max Occupancy)
C13	STAIRWAY ID SIGN
C14	EMERGENCY EGRESS SYMBOL
C16	NO SMOKING
C17a	ACCESSIBLE DOOR DECAL
C21b	FIRE EXTINGUISHER PROJECTING BLADE
C22	STANDPIPE LOCATION PLAQUE
C23	DO NOT BLOCK DOORS
E01	BUILDING ID ON CANOPY
E02	BUILDING IDENTITY AT STAIRS
E03	IDENTITY ON SW CORNER WALL

Sign Type Legend	
Type Mark	Sign Description
E04	IDENTITY ON GLAZING
E06	FREESTANDING SIGN AT BRIDGE
E07	BUILDING ADDRESS
E08	BUILDING ID AT JEFFERS PLAZA
E09	JEFFERS PLAZA ID
E10	ACCESSIBLE ROUTE (FREESTANDING)
E11	LOADING BAY CLEARANCE



ENLARGED SIGN PLAN - MEZZANINE LEVEL - SOUTH 01

SCALE: 1/8" = 1'-0"

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL

580 PACIFIC STREET, MONTEREY, CA 93940
TEL: (831) 646-5601

Architect:

SOM

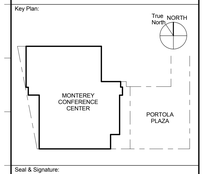
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

Consultants:

Issued For:

No.:	Description:	Date:
1	ADDENDUM 1	11 SEPT 2015

Key Plan:



Seal & Signature:

LICENSED ARCHITECT
CLIFTON K. BOSWELL
C-26963
MAY 3 1 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:

ENLARGED SIGN PLAN - MEZZANINE LEVEL - SOUTH

Project No.:	215004	Sheet No.:
Drawn By:	Author	GR2.02.1
Checked By:	Checker	
Scale:	1/8" = 1'-0"	

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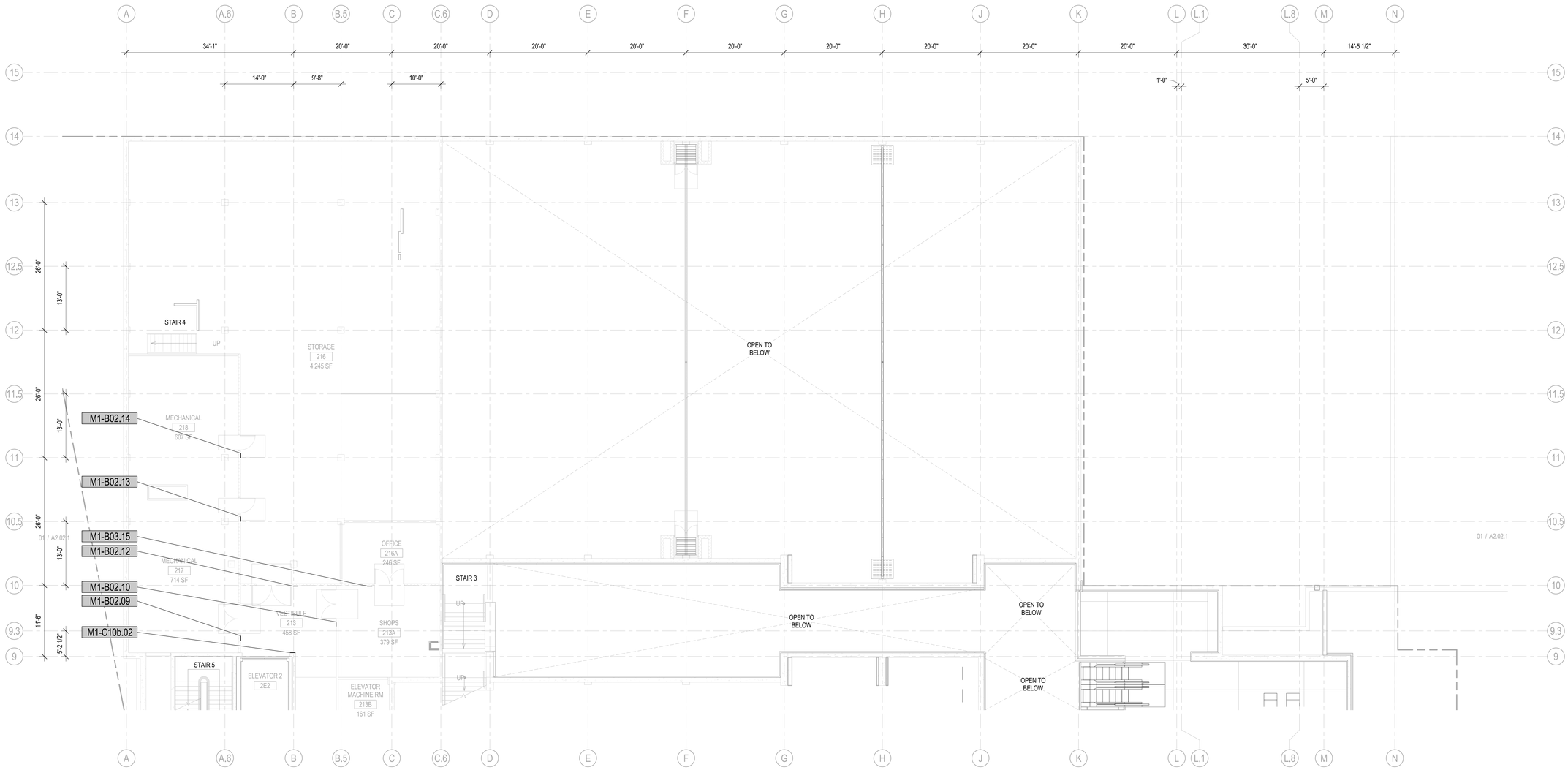
Approved as to Form
CAO RISK

Sign Type Legend	
Type Mark	Sign Description
	ACCESSIBLE ROUTE (WALL MTD)
A01	ROOM ID TO GYPSUM WALL
A02	ROOM ID TO WOOD
A04	ROOM ID TO GYPSUM WALL
A05	ADMINISTRATION ID
A06	DIRECTIONAL WALL MOUNT AT STAIRS
A07	FREESTANDING DIRECTIONAL TOTEM
A08a	PROJECTING BLADE L1, LM
A08b	PROJECTING BLADE L2
A09	PROJECTING BLADE L1
A20	ELEVATOR DIRECTORY
B01	TACTILE ROOM NUMBER (BOH)
B02	TACTILE ROOM ID (BOH)
B03	TACTILE OFFICE ID W/INSERT

Sign Type Legend	
Type Mark	Sign Description
B10	TACTILE MEETING ROOM ID (GYPSUM)
B11	TACTILE MEETING ROOM ID
B13	TACTILE MEETING ROOM ID
C01	TACTILE RESTROOM
C02	CA Code MENS WASHROOM
C03	CA Code WOMENS WASHROOM
C04	CA Code UNISEX RESTROOM
C05a	MAXIMUM OCCUPANCY
C05b	Maximum Occupancy
C08	ACCESSIBLE ROUTE (FREESTANDING)
C09	INFO PLAQUE (VISUAL)
C10a	FIRE EVACUATION PLAQUE @ GROUND FLOOR
C10b	FIRE EVAC PLAQUE @ UPPER FLOORS
C11	ELEVATOR CALL BUTTON

Sign Type Legend	
Type Mark	Sign Description
C12a	TACTILE EXIT/LEVEL/STAIR
C12b	TACTILE EXIT/LEVEL/STAIR (For Fire Evac. Plaque)
C12c	TACTILE EXIT/LEVEL/STAIR (For Max Occupancy)
C13	STAIRWAY ID SIGN
C14	EMERGENCY EGRESS SYMBOL
C16	NO SMOKING
C17a	ACCESSIBLE DOOR DECAL
C21b	FIRE EXTINGUISHER PROJECTING BLADE
C22	STANDPIPE LOCATION PLAQUE
C23	DO NOT BLOCK DOORS
E01	BUILDING ID ON CANOPY
E02	BUILDING IDENTITY AT STAIRS
E03	IDENTITY ON SW CORNER WALL

Sign Type Legend	
Type Mark	Sign Description
E04	IDENTITY ON GLAZING
E06	FREESTANDING SIGN AT BRIDGE
E07	BUILDING ADDRESS
E08	BUILDING ID AT JEFFERS PLAZA
E09	JEFFERS PLAZA ID
E10	ACCESSIBLE ROUTE (FREESTANDING)
E11	LOADING BAY CLEARANCE



ENLARGED SIGN PLAN - MEZZANINE LEVEL - NORTH 01

SCALE: 1/8" = 1'-0"

MONTEREY CONFERENCE CENTER
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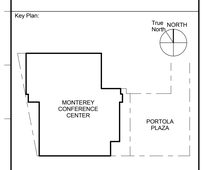
Consultants:

Issued For:

No.	Description:	Date:
1	ADDENDUM 1	11 SEPT 2015

Key Plan:



Seal & Signature:

LICENSED ARCHITECT
CLIFTON K. BOSWELL
C-26963
MAY 31 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:

ENLARGED SIGN PLAN - MEZZANINE LEVEL - NORTH

Project No.:	215004	Sheet No.:
Drawn By:	Author	GR2.02.2
Checked By:	Checker	
Scale:	1/8" = 1'-0"	

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Agreement #: Ag-5097 - Page 342 of 329
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Sign Type Legend	
Type Mark	Sign Description
	ACCESSIBLE ROUTE (WALL MTD)
A01	ROOM ID TO GYPSUM WALL
A02	ROOM ID TO WOOD
A04	ROOM ID TO GYPSUM WALL
A05	ADMINISTRATION ID
A06	DIRECTIONAL WALL MOUNT AT STAIRS
A07	FREESTANDING DIRECTIONAL TOTEM
A08a	PROJECTING BLADE L1, LM
A08b	PROJECTING BLADE L2
A09	PROJECTING BLADE L1
A20	ELEVATOR DIRECTORY
B01	TACTILE ROOM NUMBER (BOH)
B02	TACTILE ROOM ID (BOH)
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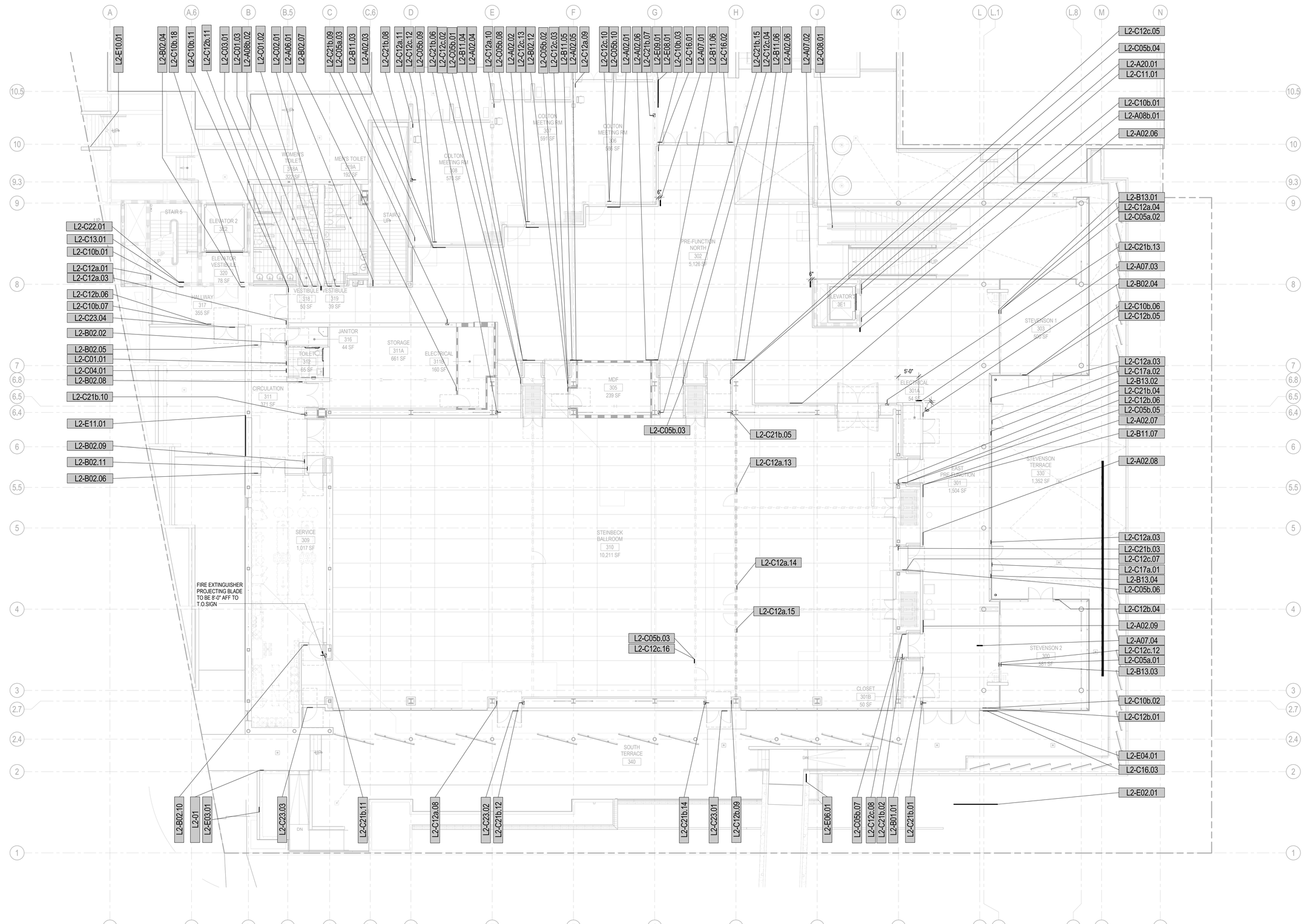
E11	LOADING BAY CLEARANCE



ENLARGED SIGN PLAN - LEVEL 2 - SOUTH

SCALE: 1/8" = 1'-0" 01

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL

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Architect:

SOM

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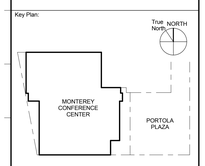
SAN FRANCISCO, CA 94111

Consultants:

Issued For:

No.:	Description:	Date:
1	ADDENDUM 1	11 SEPT 2015

Key Plan:



Seal & Signature:

LICENSED ARCHITECT
CLIFTON K. BOSWELL
C-26963
MAY 31 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:

ENLARGED SIGN PLAN - LEVEL 2 - SOUTH

Project No.:	Sheet No.:
215004	GR2.03.1
Drawn By: Author	
Checked By: Checker	
Scale: 1/8" = 1'-0"	

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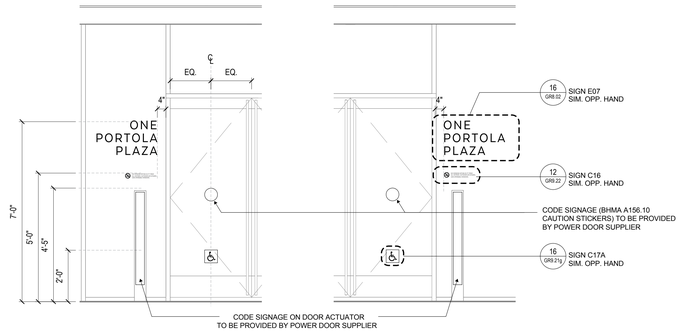
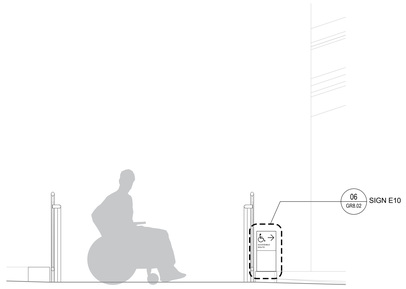


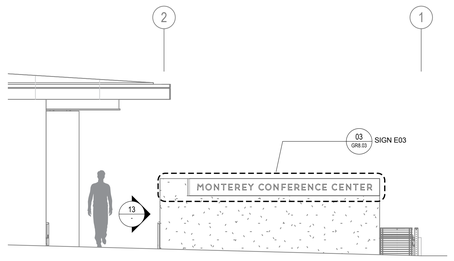
CODE SIGNAGE AT MAIN ENTRY 12

SCALE: 1/2" = 1'-0"



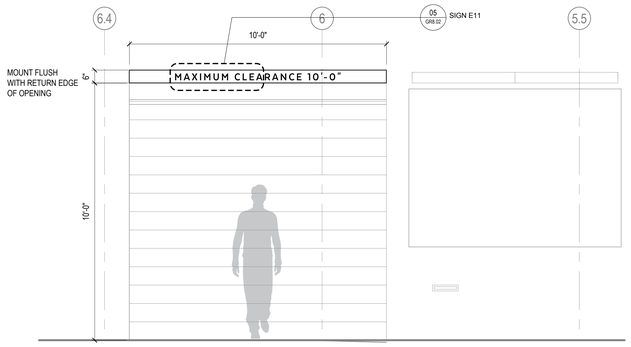
WEST ELEVATION AT PLAZA STAIRS 08

SCALE: 1/2" = 1'-0"



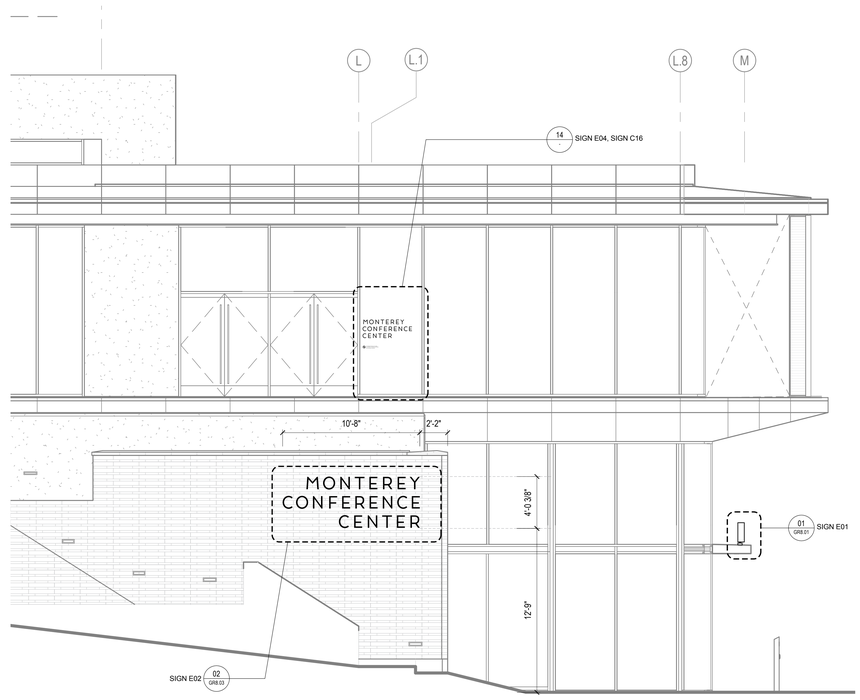
WEST ELEVATION AT STAIRS / RAMP 04

SCALE: 1/4" = 1'-0"



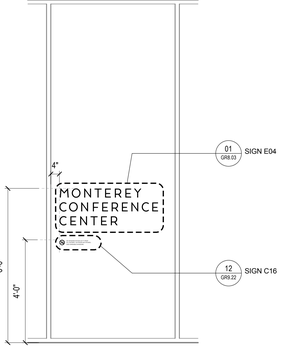
WEST ELEVATION AT COILING DOOR 11

SCALE: 1/2" = 1'-0"



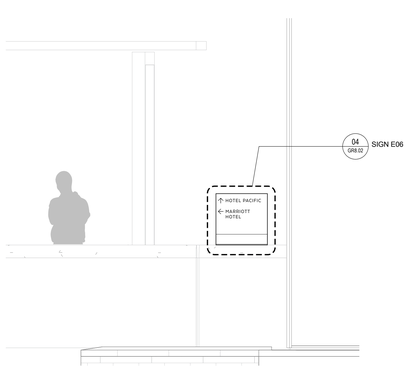
PARTIAL SOUTH ELEVATION 02

SCALE: 1/4" = 1'-0"



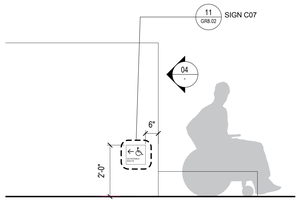
SOUTH ELEVATION AT PEDESTRIAN BRIDGE 14

SCALE: 1/2" = 1'-0"



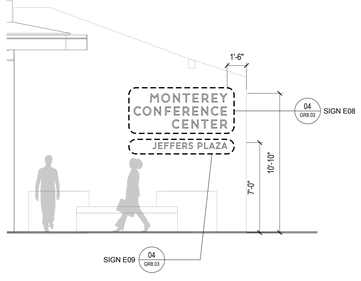
SOUTH ELEVATION AT PEDESTRIAN BRIDGE 10

SCALE: 1/4" = 1'-0"



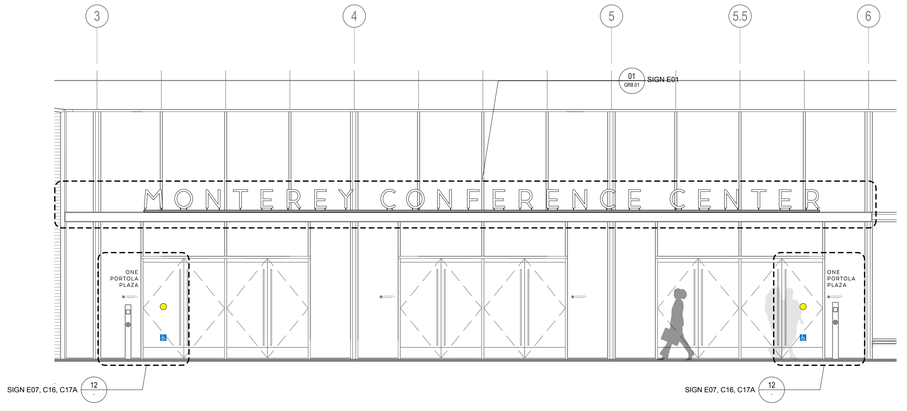
ACCESSIBLE ROUTE AT SW STAIRS / RAMP 13

SCALE: 1/2" = 1'-0"



WEST ELEVATION AT PLAZA STAIRS 09

SCALE: 1/4" = 1'-0"



EAST ELEVATION AT MAIN ENTRY 01

SCALE: 1/4" = 1'-0"

MONTEREY CONFERENCE CENTER
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CITY OF MONTEREY
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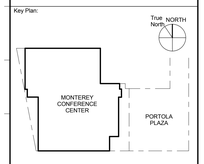
Consultants:

Issued For:

No.:	Description:	Date:
1	ADDENDUM 1	11 SEPT 2015

Key Plan:



Seal & Signature:

LICENSED ARCHITECT
CLIFTON K. BOSWELL
C-26963
MAY 31 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:

SIGNAGE
EXTERIOR
ELEVATIONS

Project No.:	Sheet No.:
215004	GR5.01
Drawn By: DL	
Checked By: Checker	
Scale:	

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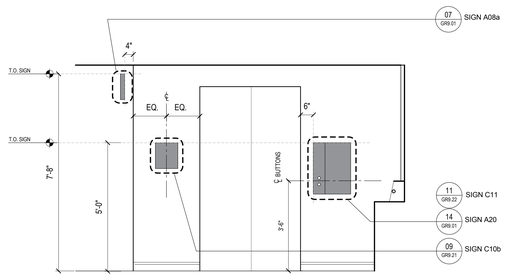
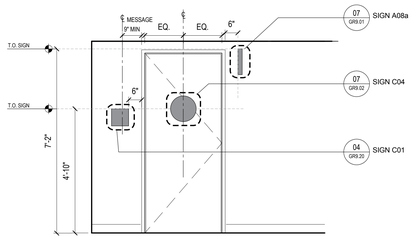


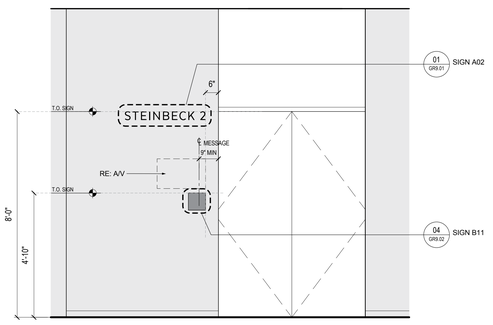
SIGN A08a, A20, C11, C10B – ELEVATOR AT MEZZANINE LOBBY WEST ELEVATION 12

SCALE: 1/2" = 1'-0"



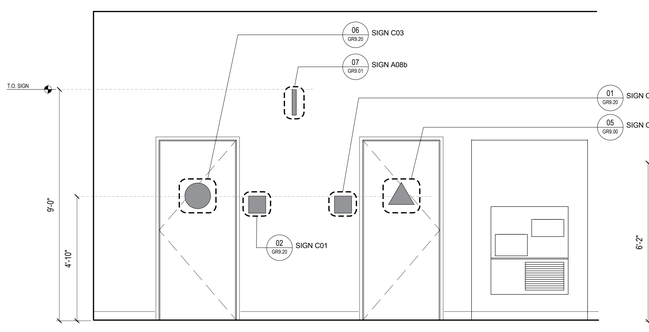
SIGN A08A, C01, C04 – WASHROOM AT LEVEL 1 PRE-FUNCTION SOUTH ELEVATION 08

SCALE: 1/2" = 1'-0"



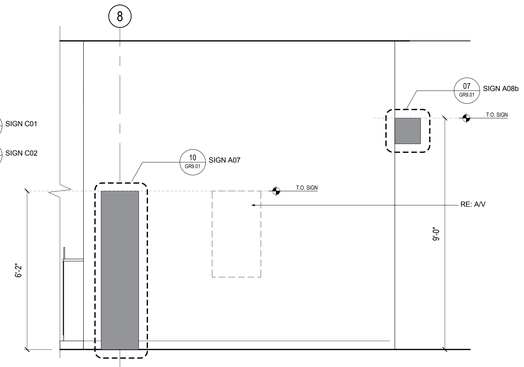
SIGN A02, B11 – ELEVATION AT STEINBECK 2 ENTRY 04

SCALE: 1/2" = 1'-0"



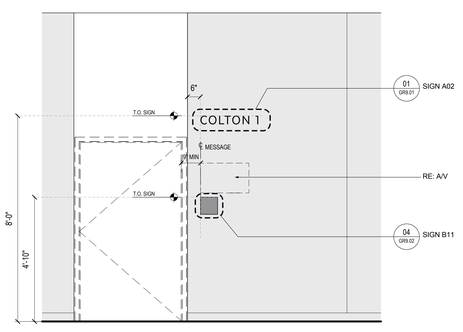
SIGN A08B – EAST ELEVATION AT LEVEL 2 PREFUNCTION ELEVATOR 11

SCALE: 1/2" = 1'-0"



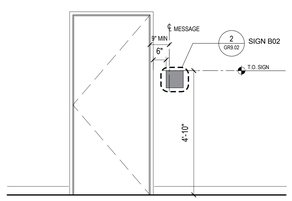
SIGN A07, A08B – EAST ELEVATION AT LEVEL 2 PREFUNCTION ELEVATOR 07

SCALE: 1/2" = 1'-0"



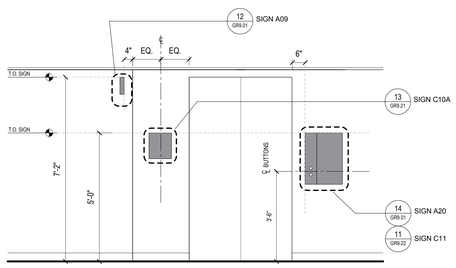
SIGN A02, B11 – ELEVATION AT COLTON ROOM 1 ENTRY 03

SCALE: 1/2" = 1'-0"



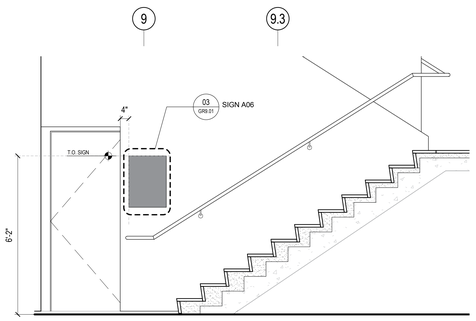
SIGN B02, B03, B10, B11, B12, B13 – TYPICAL ELEVATION 14

SCALE: 1/2" = 1'-0"



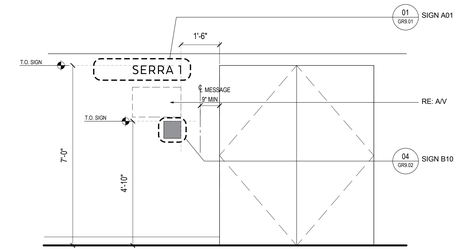
SIGN A09, A20, C11, C10B – ELEVATOR LEVEL 1 LOBBY WEST ELEVATION 10

SCALE: 1/2" = 1'-0"



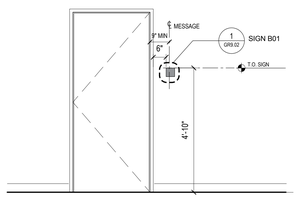
SIGN A06 – WEST ELEVATION AT STAIR 3 06

SCALE: 1/2" = 1'-0"



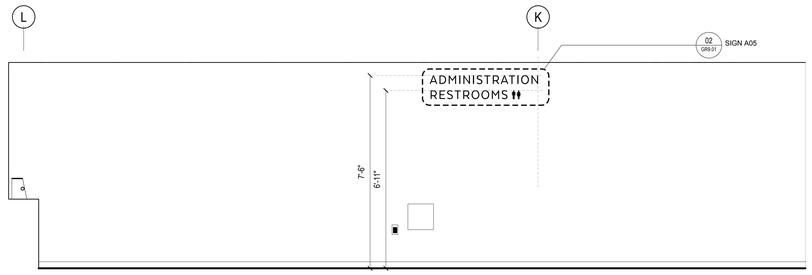
SIGN A01, B10 – ELEVATION AT SERRA EAST ENTRY @LOBBY 02

SCALE: 1/2" = 1'-0"



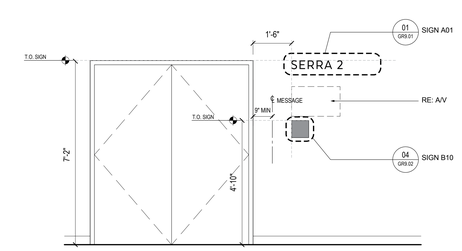
SIGN B01 – TYPICAL ELEVATION 13

SCALE: 1/2" = 1'-0"



SIGN A05 – SOUTH ELEVATION AT MEZZANINE LOBBY 05

SCALE: 1/2" = 1'-0"



SIGN A01, B10 – ELEVATION AT SERRA WEST 01

SCALE: 1/2" = 1'-0"

MONTEREY CONFERENCE CENTER
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CITY OF MONTEREY
CITY HALL
580 PACIFIC STREET, MONTEREY, CA 93940
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Architect:

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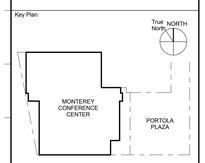
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

Consultants:

Issued For:

No.:	Description:	Date:
1	ADDENDUM 1	11 SEPT 2015

Key Plan:



Seal & Signature:

LICENSED ARCHITECT
CLIFTON K. BOSWELL
C-26963
MAY 31 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:

SIGNAGE INTERIOR ELEVATIONS

Project No.:	Sheet No.:
215004	GR6.01
Drawn By: DL	
Checked By: Checker	
Scale:	

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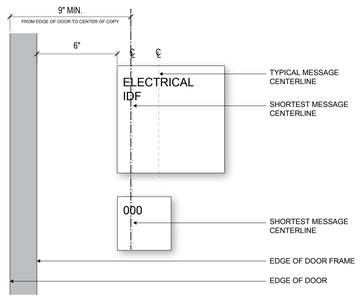
Approved as to Form CAO RISK

Agreement #: Ag-5097 - Page 342 of 329



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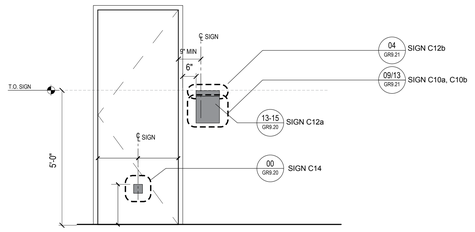
SCALE: 1/2" = 1'-0"



SIGN C10a, C12b – TYPICAL ELEVATION AT EXIT ENCLOSURES 08
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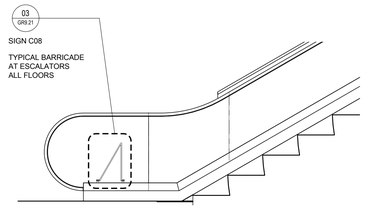

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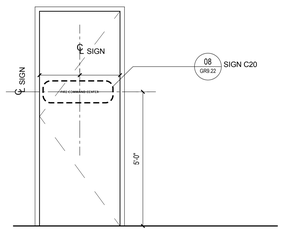

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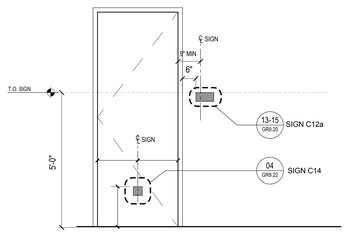

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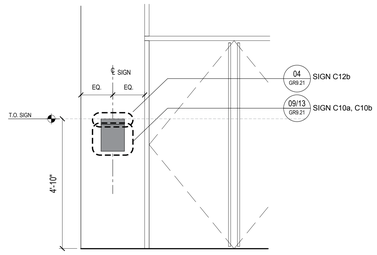

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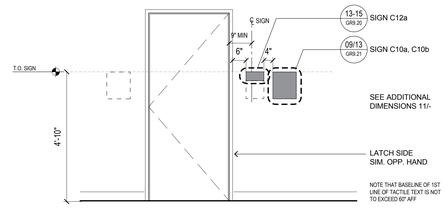

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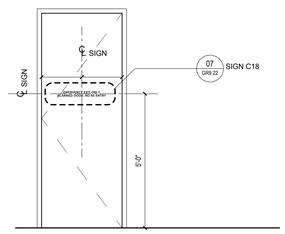

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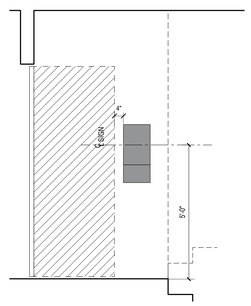

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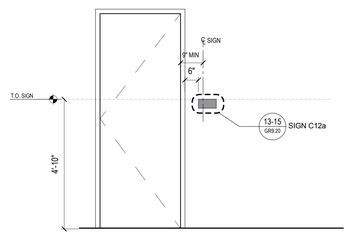

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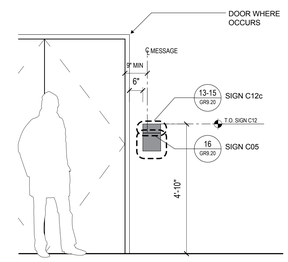

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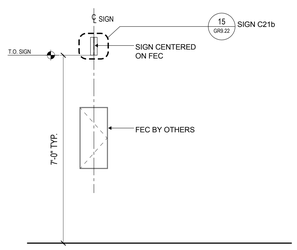

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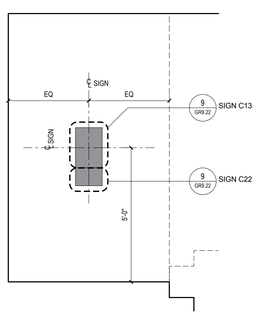

SIGN C13, C22 – TYPICAL ELEVATION AT EXIT ENCLOSURES 09
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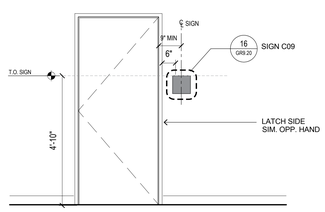

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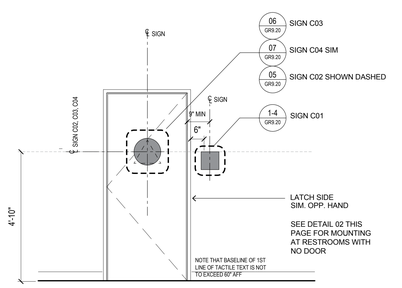

SIGN C01, C02, C03, C04 – TYPICAL ELEVATION 01
SCALE: 1/2" = 1'-0"

MONTEREY CONFERENCE CENTER
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CITY OF MONTEREY
CITY HALL
580 PACIFIC STREET, MONTEREY, CA 93940
TEL: (831) 646-5601

Architect:
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SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

Consultants:

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1	ADDENDUM 1	11 SEPT 2015

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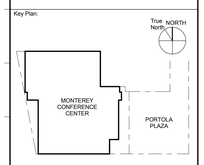

Seal & Signature:
LICENSED ARCHITECT
CLIFTON K. BOSWELL
C-26963
MAY 3 1 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:
SIGNAGE INTERIOR ELEVATIONS

Project No.: 215004
Drawn By: Author
Checked By: Checker
Scale:
Sheet No.: GR6.20

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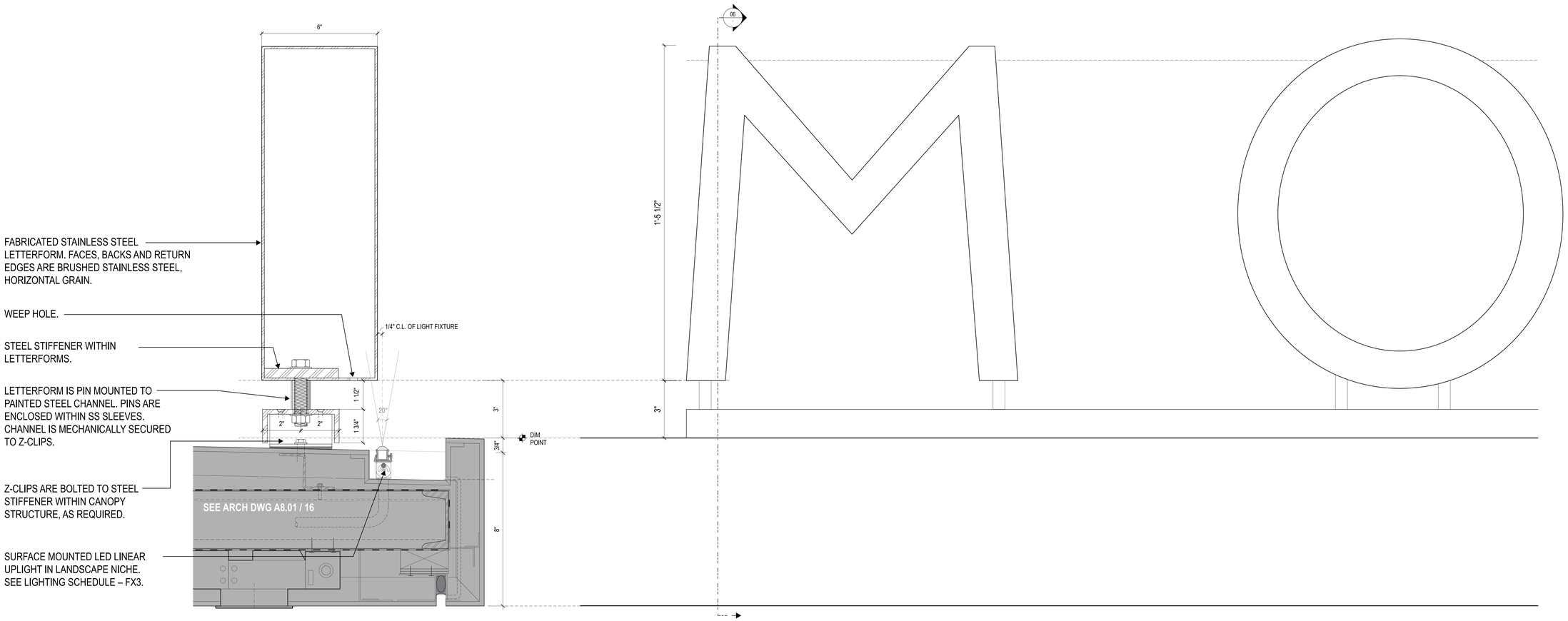

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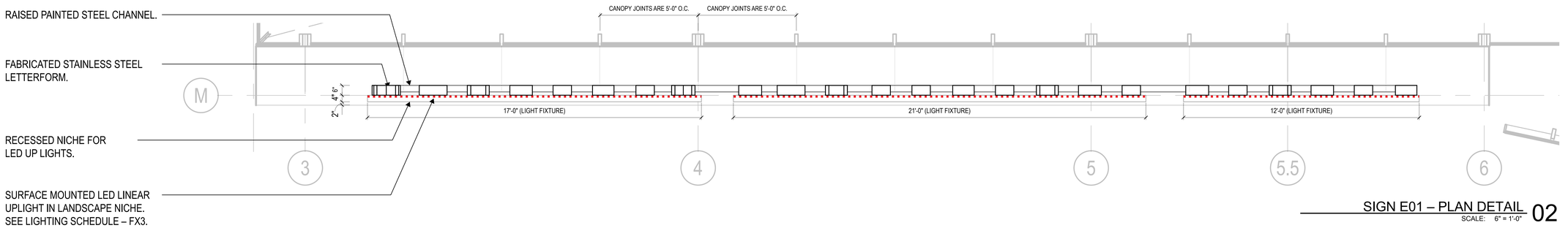

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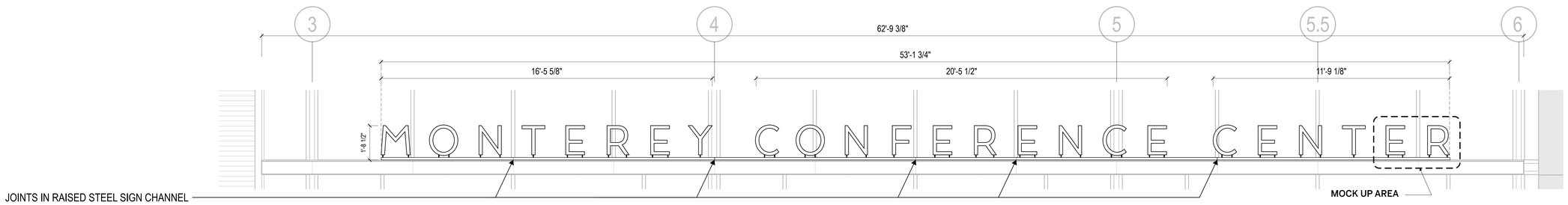

SIGN E01 – DETAIL 01
SCALE: 6" = 1'-0"

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No.	Description:	Date:
1	ADDENDUM 1	11 SEPT 2015

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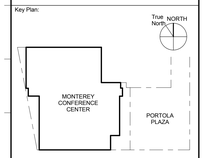

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LICENSED ARCHITECT
CLIFTON K. BOSWELL
C-26963
MAY 3 1 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:
SIGNAGE EXTERIOR DETAIL

Project No.:	215004	Sheet No.:
Drawn By:	DL	GR8.01
Checked By:	Checker	
Scale:		

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SIGN E06 – TYPICAL ELEVATION 16
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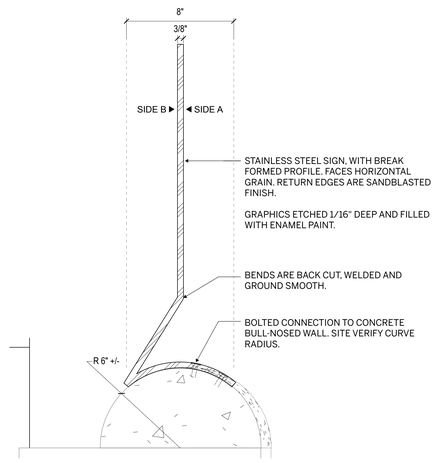

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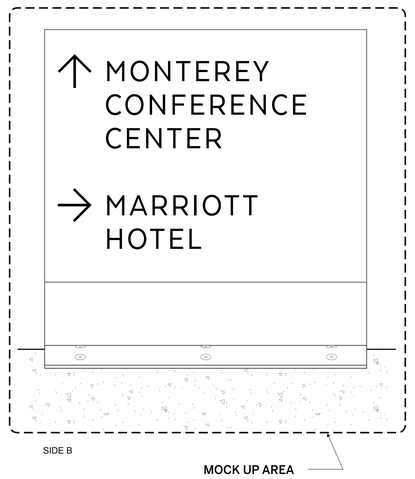

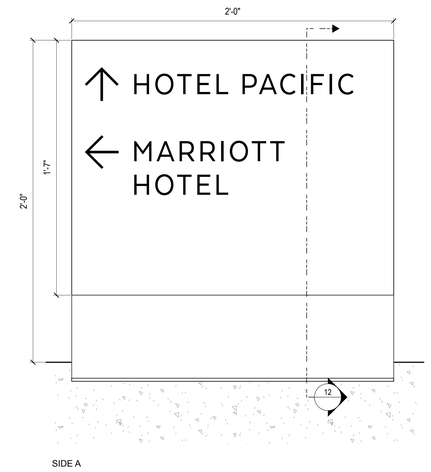

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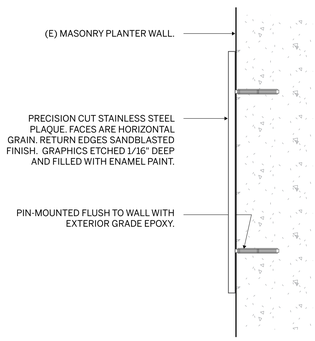

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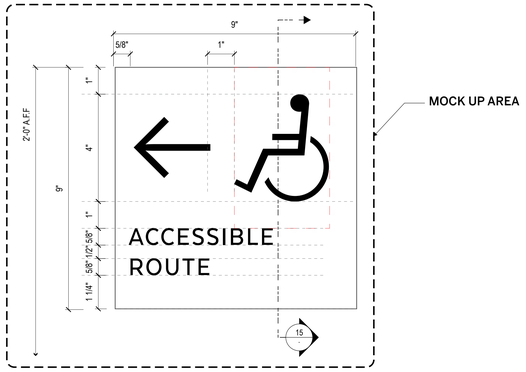

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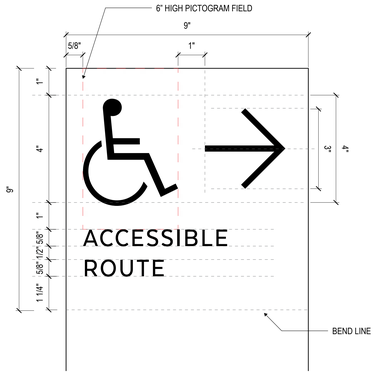

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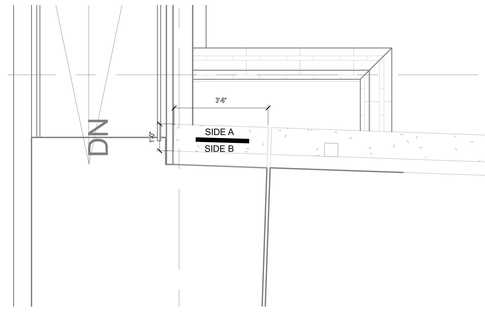

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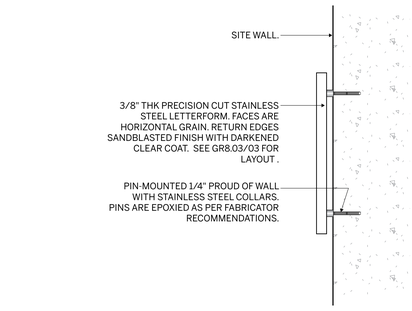

TYP. PIN-MOUNTED LETTER SECTION 14
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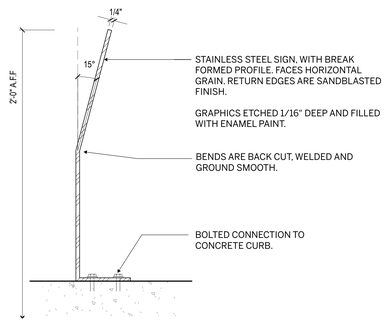

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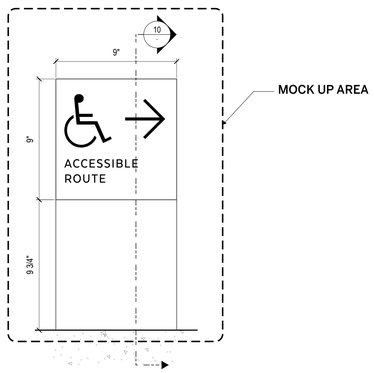

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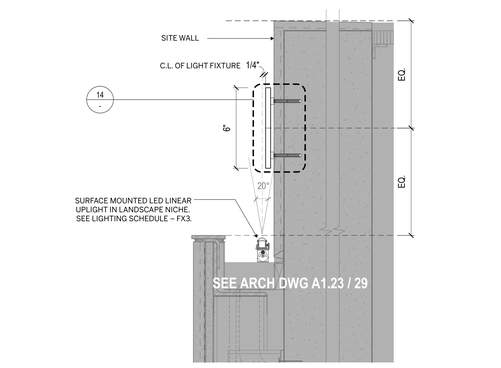

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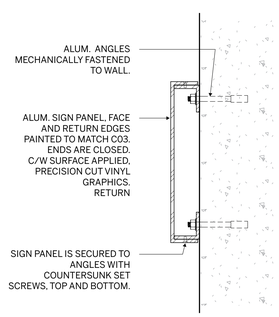

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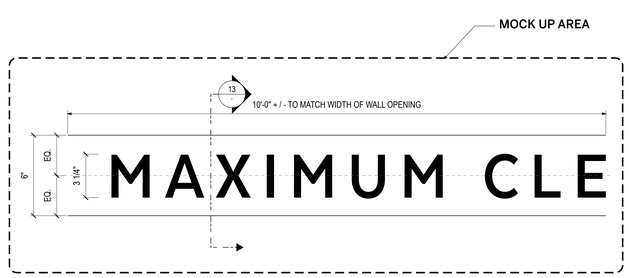

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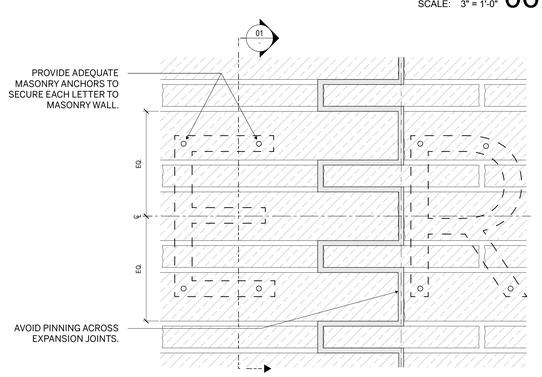

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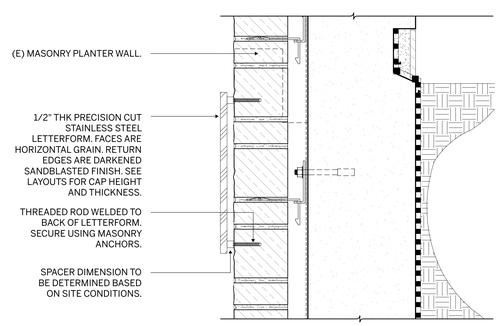

SECTION E02 – SECTION 01
SCALE: 3" = 1'-0"

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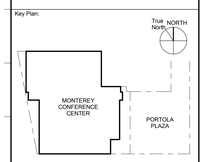
Consultants:

Issued For:

No.	Description:	Date:
1	ADDENDUM 1	11 SEPT 2015

Key Plan:



Seal & Signature:

LICENSED ARCHITECT
CLIFTON K. BOSWELL
C-26963
MAY 3 1 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:
SIGNAGE EXTERIOR DETAIL

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215004	GR8.02
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Scale:	

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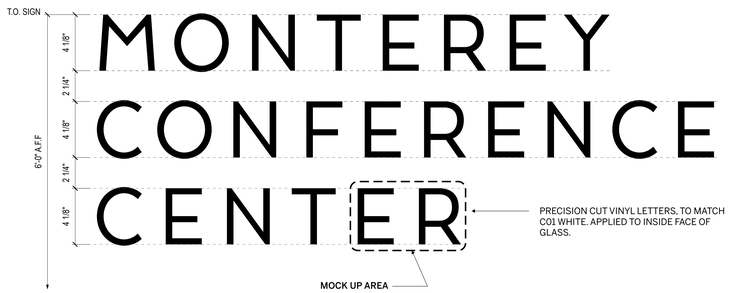
SIGN E08, E09 – DETAIL 04
SCALE: 1" = 1'-0"

SIGN E03 – DETAIL 03
SCALE: 1" = 1'-0"

SIGN E02 – DETAIL 02
SCALE: 1" = 1'-0"



SECTION E04 – DETAIL 01
SCALE: 3" = 1'-0"

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

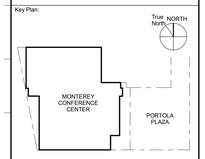
CITY OF MONTEREY
CITY HALL
580 PACIFIC STREET, MONTEREY, CA 93940
TEL: (831) 646-5601

Architect:
SOM
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

Consultants:

Issued For:

No.	Description:	Date:
1	ADDENDUM 1	11 SEPT 2015

Key Plan:


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MAY 3 1 2017
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Sheet Name:
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215004	GR8.03
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Checked By: Checker	
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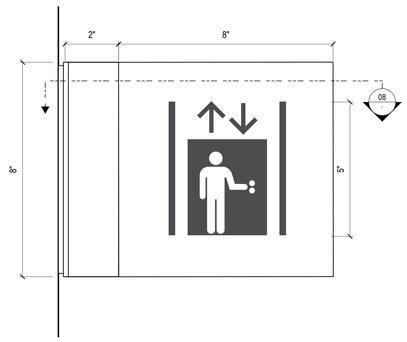

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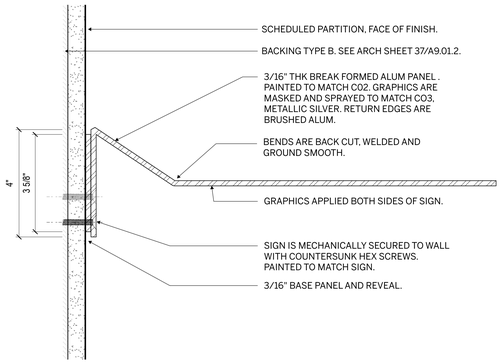

SIGN A08a, A08b, A09 – TYPICAL SECTION 08
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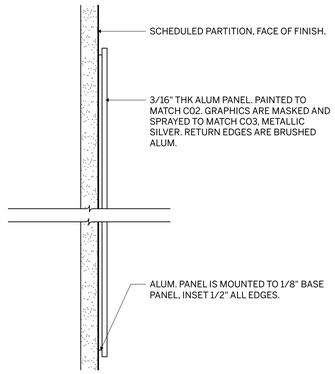

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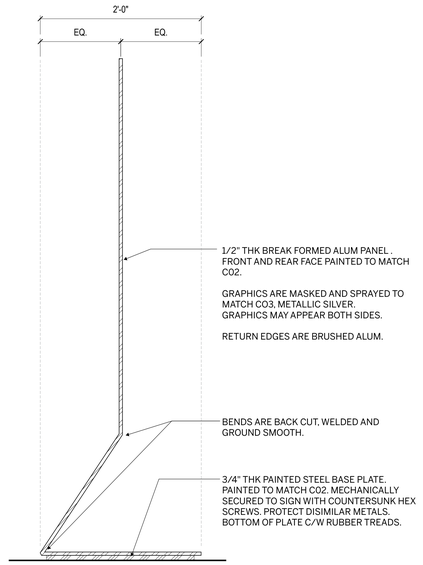

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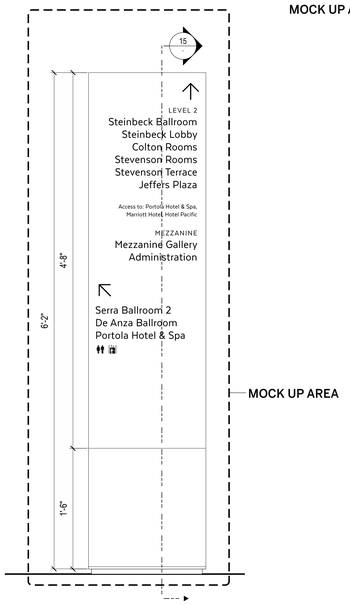

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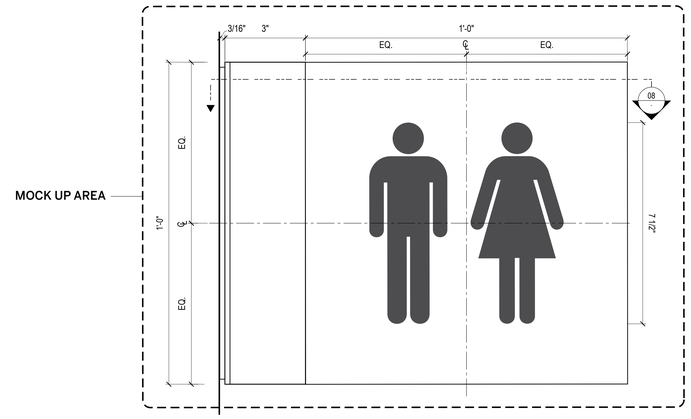

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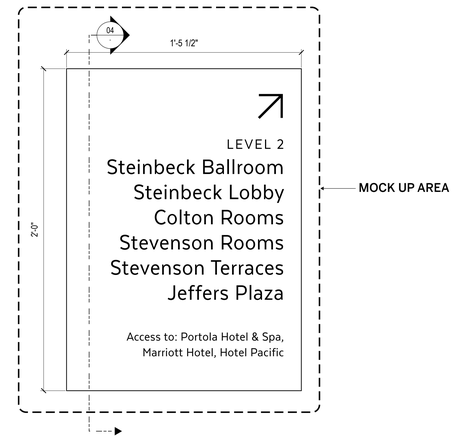

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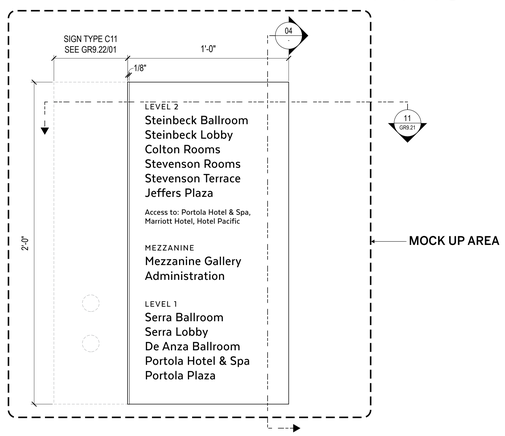
SIGN A05 – TYPICAL DETAIL 02
SCALE: 3" = 1'-0"



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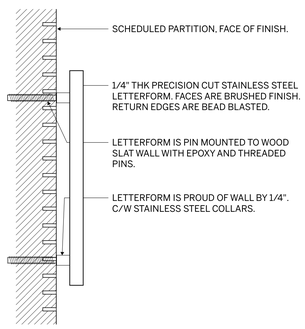

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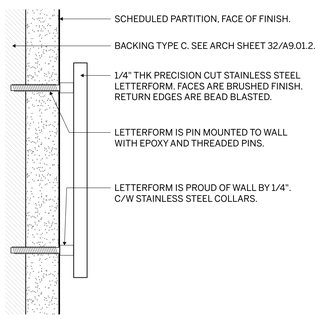

SIGN A01, A05
– TYPICAL SECTION AT GYPSUM WALL 05
SCALE: 6" = 1'-0"

SIGN A01, A02 – TYPICAL DETAIL 01
SCALE: 3" = 1'-0"

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Architect:
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ONE FRONT STREET,
SAN FRANCISCO, CA 94111

Consultants:

Issued For:

No.:	Description:	Date:
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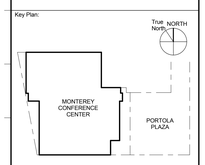
Key Plan:


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CLIFTON K. BOSWELL
C-26963
MAY 3 1 2017
RENEWAL DATE
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Sheet Name:
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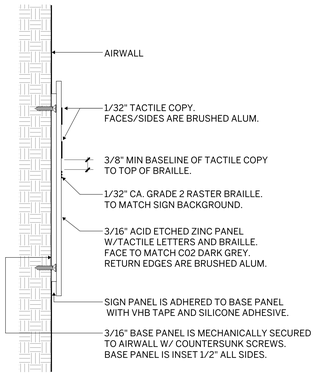

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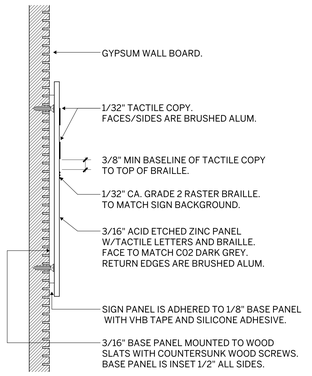

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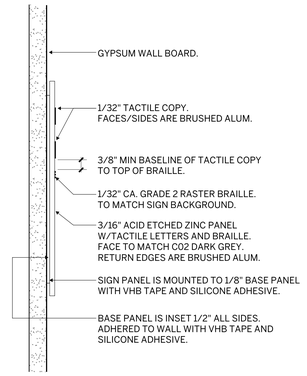

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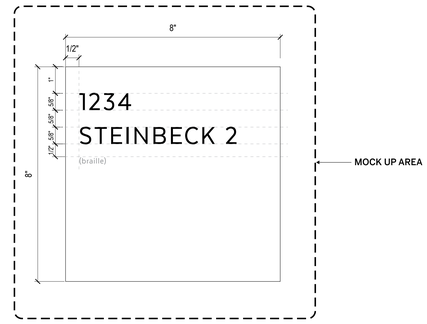

SIGN B10, B11, B12, B13 – ELEVATION 04
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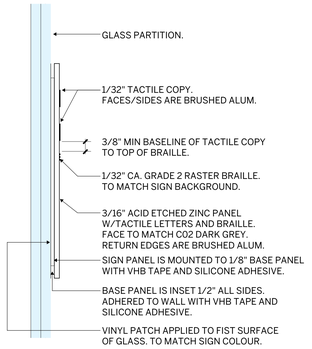

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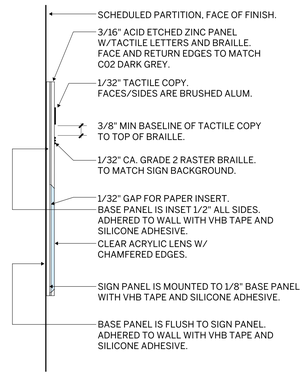

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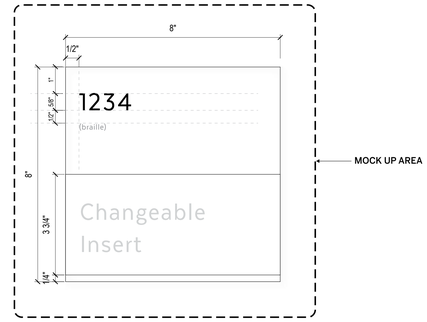

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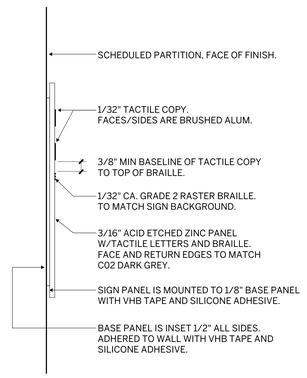

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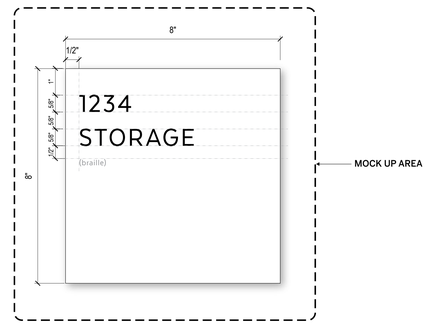

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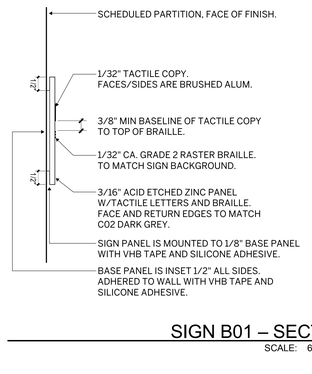

SIGN B01 – SECTION 05
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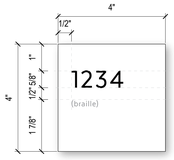

SIGN B01 – ELEVATION 01
SCALE: 6" = 1'-0"

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL
580 PACIFIC STREET, MONTEREY, CA 93940
TEL: (831) 646-5601

Architect:
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SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

Consultants:

Issued For:

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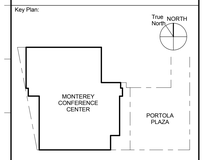
Key Plan:



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LICENSED ARCHITECT
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C-26963
MAY 3 1 2017
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LOCATION: L1-A06.01

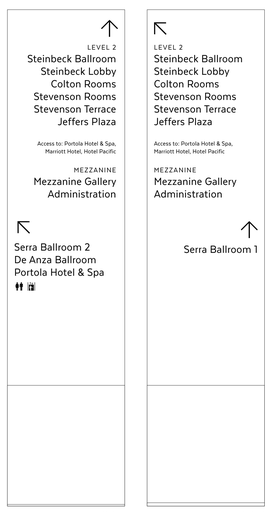
LOCATION: M1-A06.01

LOCATION: L2-A06.01

SIGN A06 – MESSAGING 02

SCALE: 1 1/2" = 1'-0"

LOCATION: L1-A07.01



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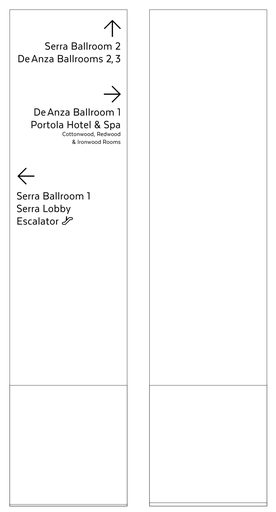

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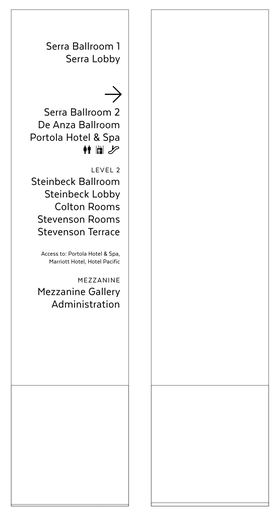

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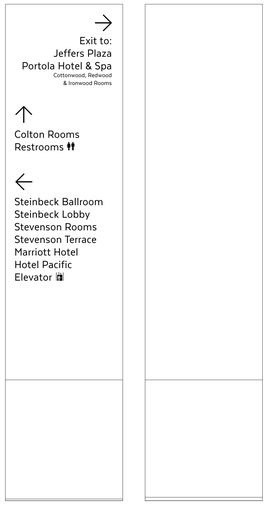

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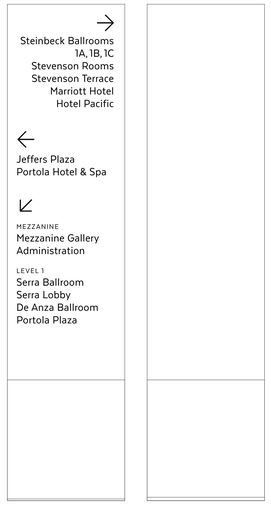

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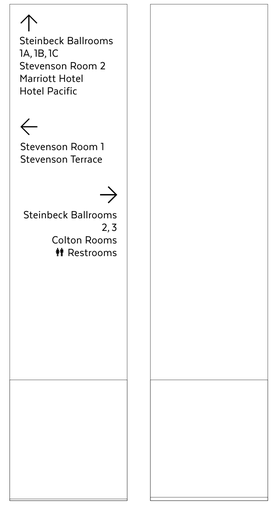

LOCATION: L2-A07.04

SIGN A07 – MESSAGING 01

SCALE: 1 1/2" = 1'-0"

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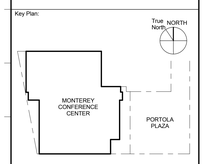

Seal & Signature:

LICENSED ARCHITECT
CLIFTON K. BOSWELL
C-26963
MAY 31 2017
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Drawn By:	Author	GR9.03
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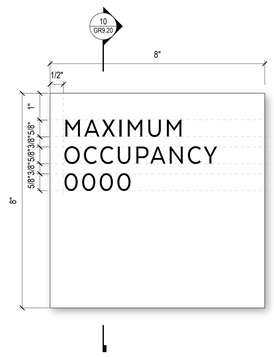

SIGN C05 – INFORMATION LAYOUT 16
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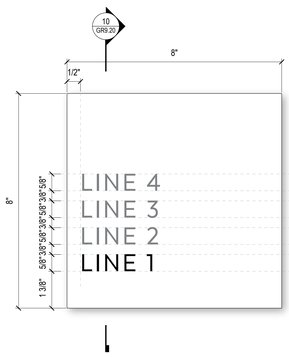
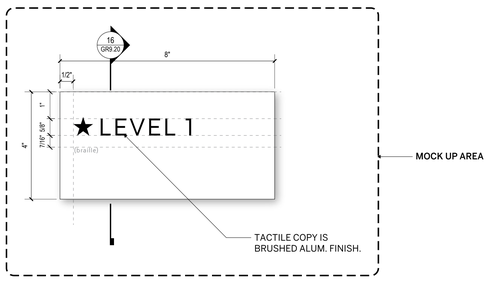


SIGN C09 – INFORMATION LAYOUT 12
SCALE: 6" = 1'-0"



C12A – EXIT LAYOUT 15
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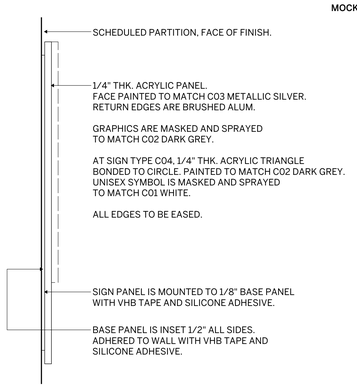

SIGN C04 11
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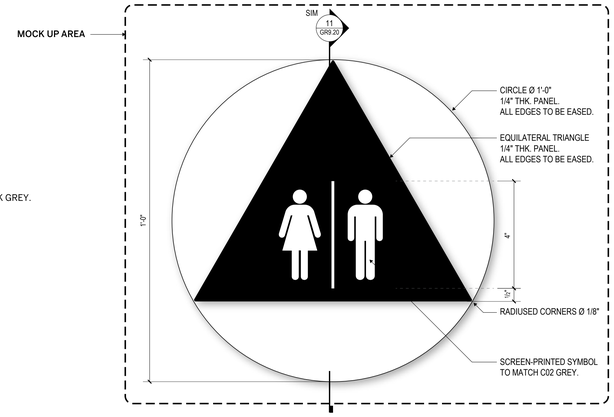

SIGN C04 07
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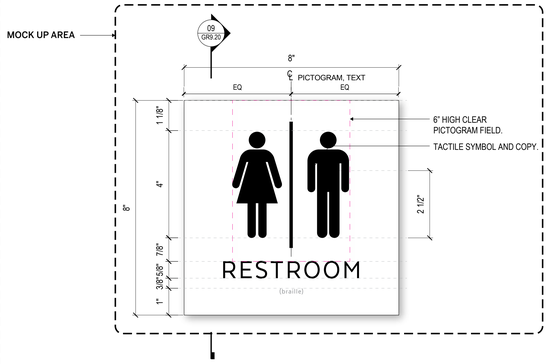

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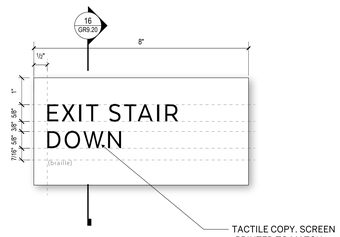

C12A – TWO LINE LAYOUT 14
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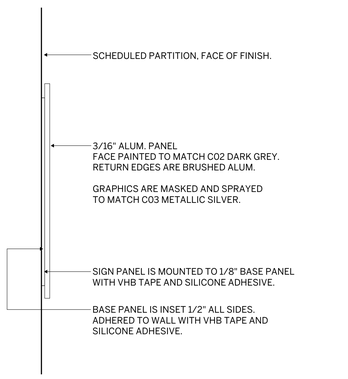

SIGN C05, C09 – TYPICAL SECTION 10
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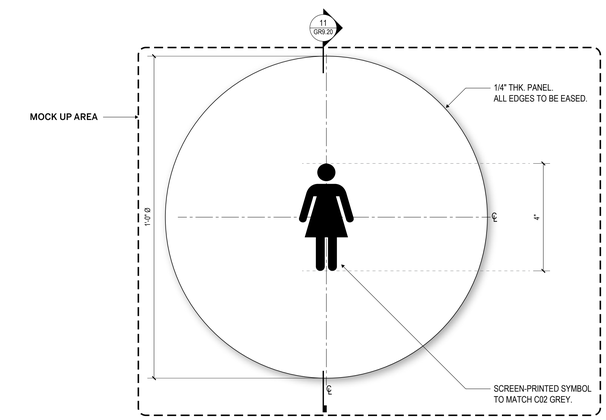

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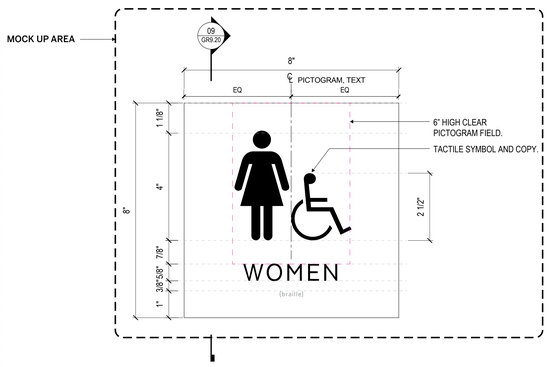

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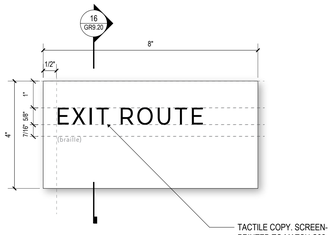

C12A – ONE LINE LAYOUT 13
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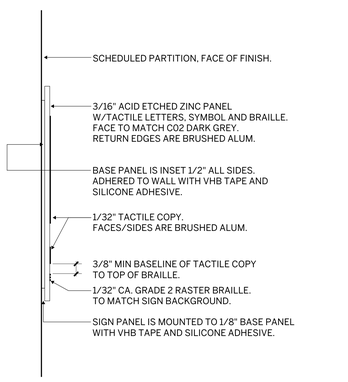

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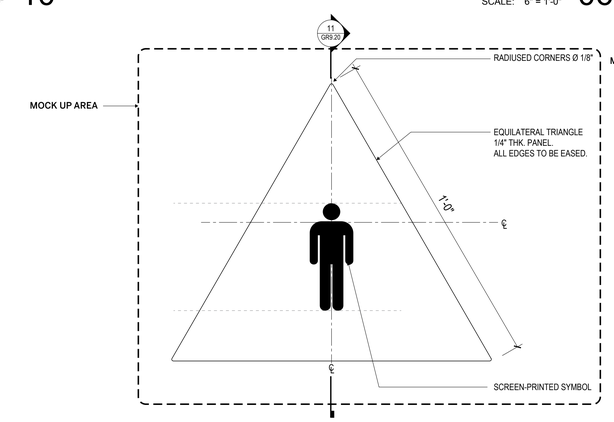

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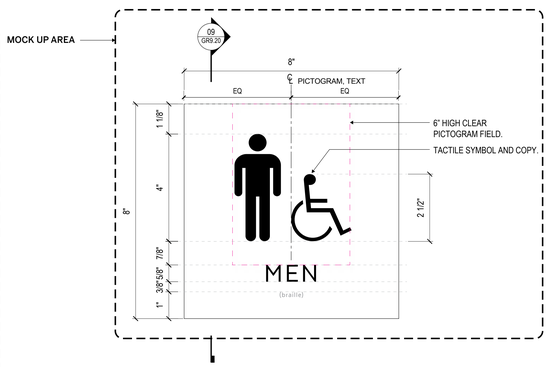


SIGN C01 – MEN LAYOUT 01
SCALE: 6" = 1'-0"

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL

580 PACIFIC STREET, MONTEREY, CA 93940
TEL: (831) 646-5601

Architect:

SOM

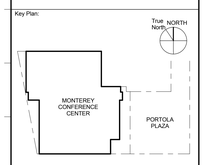
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

Consultants:

Issued For:

No.:	Description:	Date:
1	ADDENDUM 1	11 SEPT 2015

Key Plan:



Seal & Signature:

LICENSED ARCHITECT
CLIFTON K. BOSWELL
C-26963
MAY 31 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:

SIGNAGE
INTERIOR DETAIL

Project No.:	Sheet No.:
215004	GR9.20
Drawn By: DL	
Checked By: Checker	
Scale:	

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SIGN C17a 16
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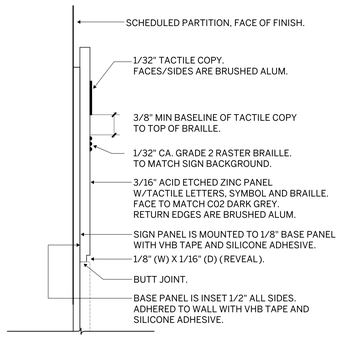

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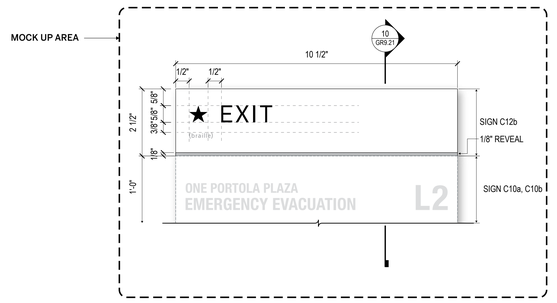

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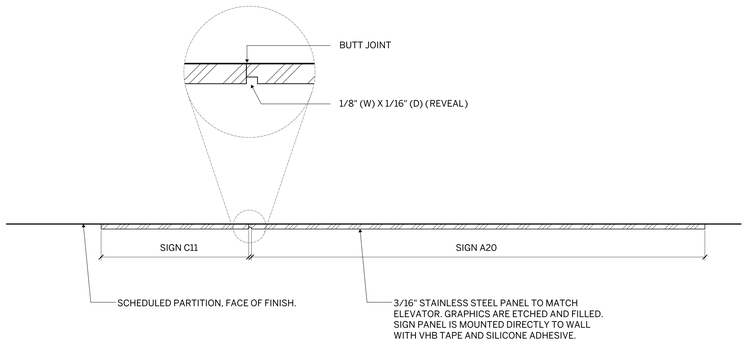

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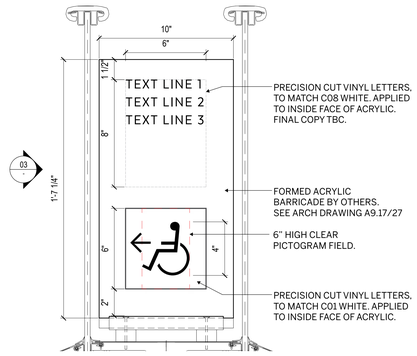

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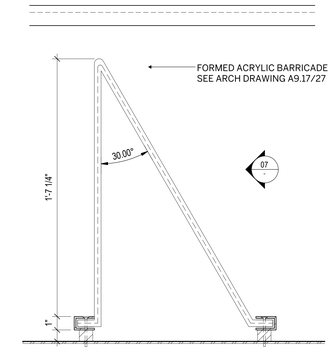

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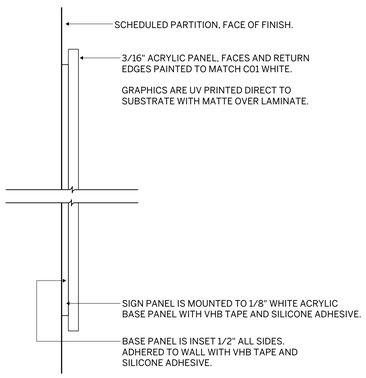

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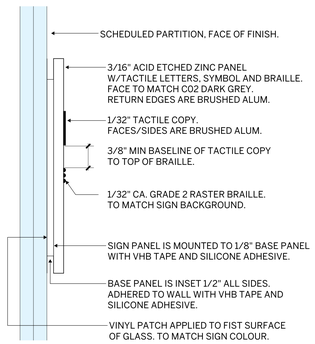

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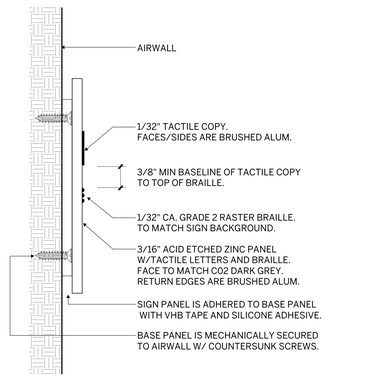

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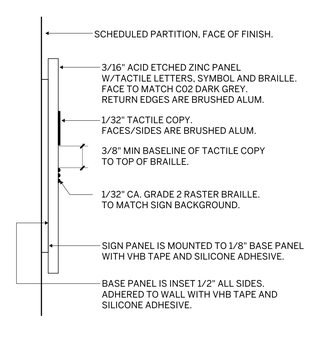

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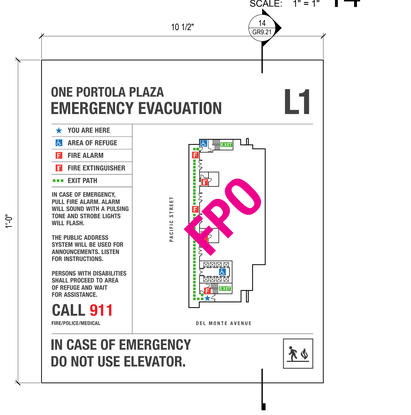

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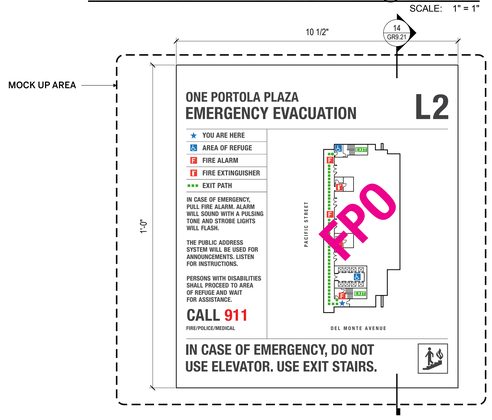

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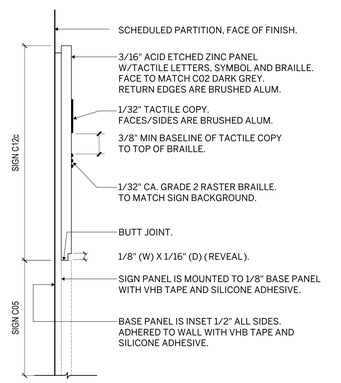

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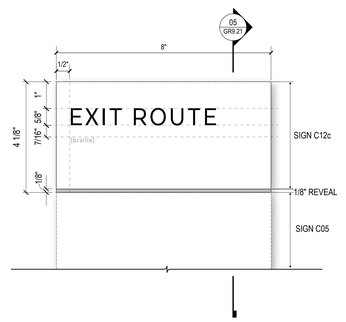

SIGN C12c, C05 01
SCALE: 6" = 1'-0"

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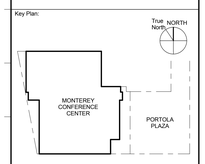
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

Consultants:

Issued For:

No.	Description:	Date:
1	ADDENDUM 1	11 SEPT 2015

Key Plan:



Seal & Signature:

LICENSED ARCHITECT
CLIFTON K. BOSWELL
C-26963
MAY 3 1 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:
SIGNAGE
INTERIOR DETAIL

Project No.:	Sheet No.:
215004	GR9.21
Drawn By: DL	
Checked By: Checker	
Scale:	

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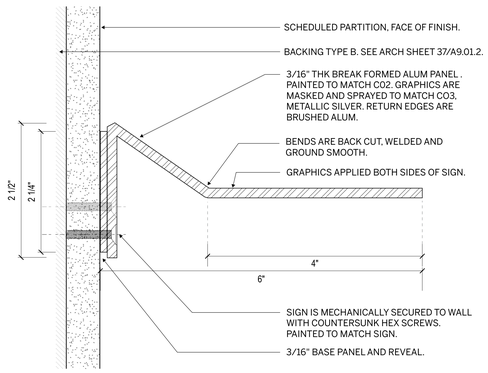

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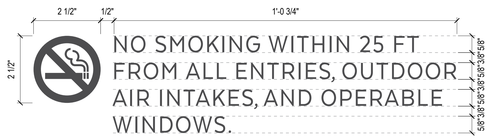

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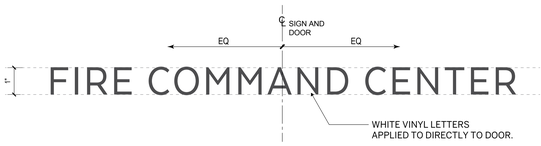

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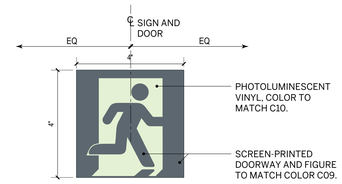

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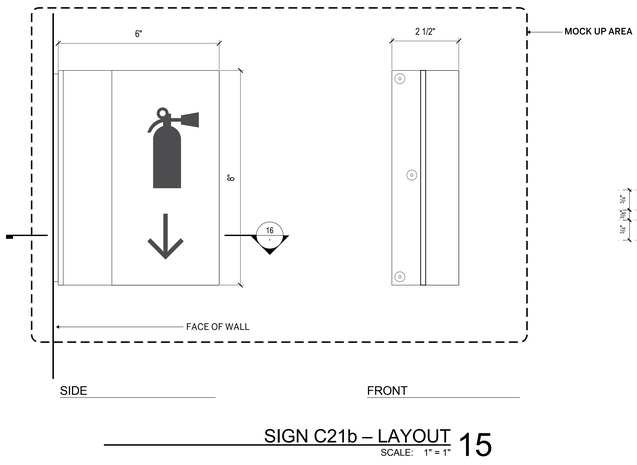

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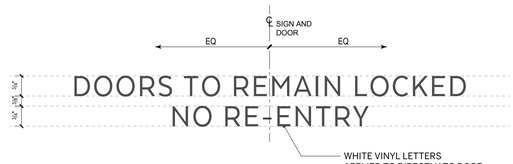

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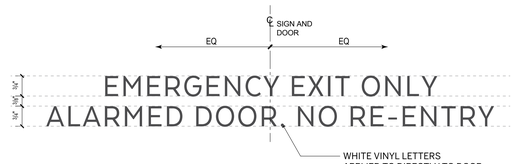

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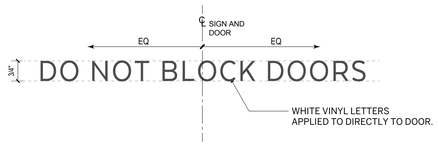

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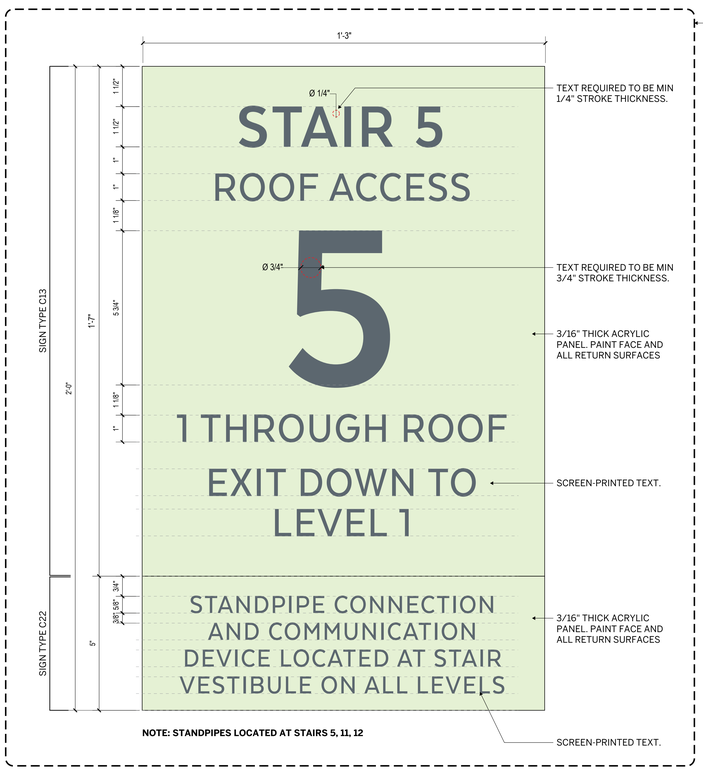

SIGN C13, C22 – TYPICAL LAYOUT 09
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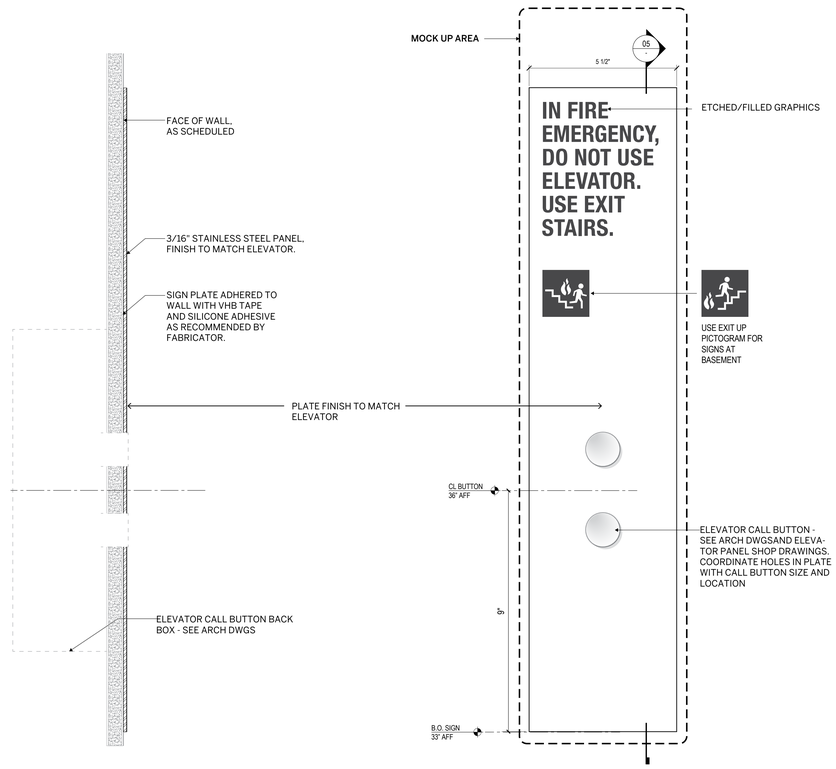

SIGN C11 – TYPICAL SECTION 05
SCALE: 6" = 1'-0"

SIGN C11 01
SCALE: 6" = 1'-0"

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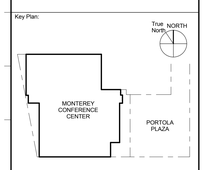
Consultants:

Issued For:

No.:	Description:	Date:
1	ADDENDUM 1	11 SEPT 2015

Key Plan:


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LICENSED ARCHITECT
CLIFTON K. BOSWELL
C-26963
MAY 3 1 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:
SIGNAGE INTERIOR DETAIL

Project No.: 215004
Drawn By: DL
Checked By: Checker
Scale:
Sheet No.: GR9.22

Approved as to Form
CAO RISK

September 14, 2015

To: All Contractors
Project: **Monterey Conference Center Renovation Project #30C1453 including Portola Plaza Renovation Project #30C1601**
Subject: **Addendum #1**
Sent Via: Web Posting on City of Monterey Ebidboards

Acknowledge this addendum and all others in your bid on Bid Proposal, Page 6, Part II of the Specifications.

See attached SOM Addendum #1 package dated September 11, 2015 containing:

1. Narrative
2. Specifications
3. Drawings
    a. Volume 1 (Architectural, Interior)
    b. Volume 2 (Electrical, AV, Telecom, Graphics)

The Division 0 specifications are amended as follows:

1. Part I, Page 3, Paragraph A

Add September 16th from 9:00am to 4:00pm The City will be holding an optional "open house" for contractors to further investigate the existing conditions of the facility. Contractors are to make an appointment with Dustin Conner with Ausonio via email at dustin@ausonio.com before the 16th to attend. Attending the open house does not fulfill the mandatory pre-bid attendance requirement.

2. Part I, Page 8, Paragraph: O Item #2

Change execution of agreement by contractor from fifteen (15) days to ten (10) days.

3. Part II, Page 4, Paragraph C

Basis of Award: remove deduct alternate #4 from sentence; and anywhere else in the documents, there is no longer a deductive alternate #4. The sentence should read: Award of contract, if any be made, shall be made to the Contractor with the lowest responsive responsible bid based on the **Grand Total of:** Total Base Bid + 30 Day Multiplier including the reduction of Deductive Alternates #1, #2, and #3 **(Basis of Award).**

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CAO RISK

The Appendix C drawings are amended as follows:

1. Sheet AP-03

Remove clouded area identifying "concrete expansion putty" and replace with "concrete expansion putty is throughout exterior terraces and Jeffer's Plaza. The putty is gray in color, not beige."

Sincerely,

Robert M. Harary

Robert Harary, P.E.
Principal Engineer

Attachments: SOM Addendum #1 package dated September 11, 2015

Approved as to Form
CAO RISK

SOM

ADDENDUM 1

PROJECT:	**Monterey Conference Center**	**DATE:**	**September 11, 2015**
OWNER:	**City Of Monterey**	**CONTRACTOR:**	**TBD**

All requirements of the original Specifications and Drawings shall remain in force except those noted by this Addendum.

GENERAL DESCRIPTION: All Revisions in Addendum #1 dicuments are clouded with deltas. Theses drawings incorperate Plan Check Comments From 4LEAF, City Of Monterey Building Department and BID –ability comments meeting.

Reference Key:
1. COM- City Of Monterey
2. AHJ- Authority Having Jurisdiction, (MFD, $LEAF, etc.)
3. PLC- Plan Check/Bid-a-Buildaty
4. GCBQ- General Contractor Bid Qestions

REVISED SPECIFICATIONS:

Section :	Title:	Description:
01 11 00	Summary of Work	1.5 (d) Delete 3 and 4. These items are to be furnished and installed by Contractor. 1.5 (E) 5 included surrounding areas of building. 1.10 (C) added Existing Building Drawings paragraph.
01 50 00	Temporary Facilities and Controls	Paragraph 1.1 (F) changed “Alteration Project Procedures” to “Temporary Facilities and Controls”
04 30 00	Stonework	2.1, B, 2, a. Broadened description of STN-3 to accept approved equals.
08 70 00	Hardware	3.11: Note added to Hardware Group 24 3.11: Added new Hardware Group 41
10 14 00	Signage	1.4-A-3: Updated software spec: Illustrator CS2 to Creative Cloud 2014. 1.4-A-5: Updated software spec: Illustrator CS2 to Creative Cloud 2014. 1.5-D-3: Added Zinc samples. 1.5-E: Added list of required samples. 1.9-A-1: Added required item. 2.2-A-1-D: Added green cast acrylic sheet. 2.7: Added drawing sheet references. 2.9-B: Updated project typefaces. 2.11-G-1: Modified wording. 2.11-N: Add Part 4, Updated illumination to LEDs. Added lighting fixture. 2.12-B-1: Changed letter style to reference design documents. 3.8-A: Added text to reference Message Schedule.
27 41 16	Integrated Audiovisual Systems and Equipment - Appendix 1	Updated the LCD equipment quantities.
27 41 16	Integrated Audiovisual Systems and Equipment - Appendix 1	Added two 5" touch panels to the equipment list.
Appendix 13	Furniture	Pg. 55-56: Added lockers and locker room benches. I3.01.2 Added new drawing, Enlarged Furniture Plan, Level 1 North.

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SOM

REVISED DRAWINGS:

Sheet No: Description:

00-GENERAL

A0.00.V1	Cover Sheet. Added Assessor Parcel Number: 001-576-016
A0.00.V2	Cover Sheet. Added Assessor Parcel Number: 001-576-016
A0.01.V1	Updated Sheet Index Volume 1
A0.01.V2	Updated Sheet Index Volume 2
A0.11.1	• Revised code diagram at De Anza ballroom per AHJ plan check comments and coordinated with hotel drawings providing by “The Paul Davis Partnership”. • Revised lobby door exit width per AHJ plan check comments. • Revised occupancy load on L1 per AHJ plan check comments.
A0.11.2	• Revised code diagram at DE ANZA ballroom per AHJ plan check comments and coordinated with hotel drawings providing by “The Paul Davis Partnership”. • Revised lobby door exit width per AHJ plan check comments. • Revised occupancy load on L1 per AHJ plan check comments.
A0.11.3	• Revised code diagram at DE ANZA ballroom per AHJ plan check comments and coordinated with hotel drawings providing by “The Paul Davis Partnership”. • Revised lobby door exit width per AHJ plan check comments. • Revised occupancy load on L1 per AHJ plan check comments.
A0.12	• Revised occupancy load on mezzanine level per AHJ plan check comments.
A0.13.1	• Revised travel distance at Ferrante meeting room. • Revised accessible path of travel at Pacific – Del Monte corner.
A0.13.2	• Revised travel distance at Ferrante meeting room. • Revised accessible path of travel at Pacific – Del Monte corner.
A0.13.3	• Revised travel distance at Ferrante meeting room. • Revised accessible path of travel at Pacific – Del Monte corner.

03-ARCHITECTURAL

AD2.01	• Added note number 16. • Added room tags at back of house area. • Deleted Door 112DA.
AD2.02	• Added room tags at back of house area.
AD2.03	• Added note at existing PG&E vault.
A1.04	• Revised Ramp at Pacific – Del Monte corner
A1.05	• Added note at existing PG&E vault.
A1.13	• Section 02: Added detail key.
A1.23	• Added details section 29, 34 and 35. • Revised detail section 05.
A2.01	• Updated ADA compliant toilets per AHJ plan check comments. • Modified locker rooms. • Added door 112DA. • Revised lobby door exit width per AHJ plan check comments, updated dimension.
A2.01.1	• Revised lobby door exit width per AHJ plan check comments. • Revised graphic of Escalator E1&E2.
A2.01.2	• Updated ADA compliant toilets per AHJ plan check comments. • Modified locker rooms. • Added door 112DA.

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CAO RISK

A2.03	• Revised Ramp at Pacific – Del Monte corner.
A2.03.01	• Revised Ramp at Pacific – Del Monte corner.
A2.04	• Revised roof plan to show mechanical units.
A2.04.1	• Revised roof plan to show mechanical units. • Add detail key and dimension for skylights. • Revised graphic to show full range of Colton room roofs. • Revised section key graphic.
A3.03	• Section 05: Updated ADA compliant toilets per AHJ plan check comments, Add door 112DA. • Section 17: Updated ADA compliant toilets per AHJ plan check comments, Modified locker rooms layout.
A4.01	• Revised RCP for back of house toilets.
A4.01.2	• Revised RCP for back of house toilets.
A5.01	• Section 01: Added key note for elevation beyond. • Section 01: Revised exit width per AHJ plan check comments.
A5.01.1	• Section 01: Added key note for elevation beyond. • Section 01: Revised exit width per AHJ plan check comments.
A5.02	• Section 01: Added note for building signage. • Section 04: Added key note for elevation beyond.
A5.03	• Added call out key for building wall sections.
A5.04	• Added call out key for building wall sections.
A5.10	• Section 01: Added key note for elevation beyond. • Section 04: Added key note for elevation beyond.
A5.12	• Section 01: Added key note for elevation beyond, Revised exit width per AHJ plan check comments.
A6.01	• Section 01: Added monitors and signage. • Section 05: Added one monitor.
A6.04	• Section 06: Added monitor and signage.
A6.05	• Section 19: Relocated monitor and signage.
A6.09	• Added toilet elevations, section 13, 19, 21, 25, 26, 31, 32, 37, 38.
A8.01	• Section 15: Revised door stile detail. • Section 16: Revised signage detail.
A9.02	• Revised room and finish schedule for 112G, 118A, 118B, 118C, 118D.
A9.03	• Revised door width for 101A, 101B, 101C, 101D, 101E, 101F. • Add doors 112DA, 112GA, 118AA, 118BA, 118CA, 118DA.
A9.04	• Added sill details Section 25&26.

04-INTERIORS

I3.01.2	• Added sheet, show interior updates for back of house toilet and locker rooms.

07-ELECTRICAL

E0.01	Clarified symbol used for bollard lighting.
E0.04	Updated circuiting information per revisions described below.
E0.05	Updated circuiting information per revisions described below.
E0.06	Updated circuiting information per revisions described below.
ED2.01	Per Portola Plaza coordination: Referenced Civil drawings for clarification of demo scope in Portola Plaza area. Clarified demo scope for Portola Plaza fountain and trellis areas. Clarified protection of Alvarado Mall area lighting during project construction.
ED2.02	Per coordination: Clarified requirement for temporary power provisions serving the De Anza Ballroom area.
E1.01	Per architectural request, indicated Jeffers Plaza lighting to be relamped. Per Portola Plaza coordination: indicated lighting layout, circuiting and controls within the Portola Plaza area.

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	Per Signage Package coordination: indicated power to lighting at building entry signage.
E2.01.1	Provided additional signage receptacles per Owner request. Provided power connection to irrigation controls per Portola Plaza coordination. Relocated duct smoke detector to Mech 101A from Mech 221
E2.02.1	Relocated duct smoke detector to Mech 101A from Mech 221. Clarified PG&E vault and incoming service location. Provided power connection to irrigation controls per Portola Plaza coordination.
E2.03.1	Provided additional signage receptacles per Owner request.
E2.04.1	Clarified future solar PV termination point on roof per Owner request.
E3.01	Detail 6, clarified panels CHA and LRC-CA to be surface mounted in lieu of recessed.
E4.01.1	Added (1) FX2 fixture per Portola Plaza Coordination.
E4.02.1	Changed (3) FX8 fixtures from normal to emergency power per Portola Plaza Coordination.
E5.02	Clarified termination box size for future solar PV system. Clarified display requirements for submeters within MSBH and MSBL.
E5.04	Revised lighting controls to include Portola Plaza lighting per Portola Plaza Coordination.

10-AV

TA3-10	Added and relocated LCD displays
TA3-11	Added and relocated LCD displays
TA3-12	Updated loudspeaker location
TA3-13	Updated loudspeaker location
TA3-30	Added and relocated LCD displays
TA3-31	Updated loudspeaker location
TA3-32	Added and relocated LCD displays
TA6-01	Added a rack mounted touch panel
TA6-01	Added a rack mounted touch panel

11-TELECOM

TT0-00	Updated drawing list to include new sheet TT6-03
TT2-01	Added data outlets for LCD displays
TT2-02	Updated cable quantity for data outlet; Added note for HVAC/BMS to remain operational during construction.
TT2-03	Added new reference bubble
TT6-03	New detail sheet; Added penetration for Telecom to Marriott for wayfinding

12-GRAPHICS

GR0.0.1	New drawing issue.
GR0.0.2	New drawing issue.
GR1.01	New drawing issue.
GR2.01.1	New drawing issue.
GR2.01.2	New drawing issue.
GR2.02.1	New drawing issue.
GR2.02.2	New drawing issue.
GR2.03.1	New drawing issue.
GR5.01	New drawing issue.
GR6.01	New drawing issue.
GR6.20	New drawing issue.
GR8.01	New drawing issue.
GR8.02	New drawing issue.
GR8.03	New drawing issue.
GR9.01	New drawing issue.
GR9.02	New drawing issue.
GR9.03	New drawing issue.
GR9.20	New drawing issue.
GR9.21	New drawing issue.
GR9.22	New drawing issue.

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SOM = Skidmore Owings and Merrill
EW = Edgett Williams Consulting Group
GLS = GLS Landscape
BKF = BKF Engineering
DHC = Door Hardware Consultant
HLB = Horton Lees Brogden
SMW = Shen, Milsom & Wilke, LLC
WSP = WSP
JH = Jensen Hughes

GENERAL REQUIREMENTS SUBGROUP

PART A

			30% Submittal	60% Project Completion	Permit Set	90% Project Completion	Portola Plaza Permit Set	Bid Set	Addendum 1
	Division 01	**General Requirements**							
SOM	Section 01 11 00	Summary of Work	●	●	●	●	●	●	●
SOM	Section 01 23 00	Alternates		●	●	●	●	●	
SOM	Section 01 31 00	Project Management and Coordination		●	●	●	●	●	
SOM	Section 01 32 00	Construction Progress Documentation		●	●	●	●	●	
SOM	Section 01 33 00	Submittal Procedures		●	●	●	●	●	
SOM	Section 01 35 16	Alteration Project Procedures		●	●	●	●	●	
SOM	Section 01 42 00	References		●	●	●	●	●	
SOM	Section 01 43 00	Seismic Design Requirements for NSC		●	●	●	●	●	
SOM	Section 01 45 00	Quality Control		●	●	●	●	●	
SOM	Section 01 50 00	Temporary Facilities and Controls		●	●	●	●	●	●
SOM	Section 01 60 00	Product Requirements		●	●	●	●	●	
SOM	Section 01 64 00	Owner-Furnished Products						●	
SOM	Section 01 70 00	Execution and Closeout Requirements		●	●	●	●	●	
SOM	Section 01 74 19	Construction waste Management and Disposal		●	●	●	●	●	
SOM	Section 01 81 13	Sustainable Design Requirements		●	●	●	●	●	
SOM	Section 01 81 15	Green Building Material Certification Form		●	●	●	●	●	
SOM	Section 01 81 20	Construction Indoor Air Quality Management		●	●	●	●	●	
AXM	Section 01 91 00	Commissioning		●	●	●	●	●	
	FACILITY CONSTRUCTION SUBGROUP								
	Division 02	**Existing Conditions**							
SOM	Section 02 41 00	Selective Demolition	●	●	●	●	●	●	
	Division 03	**Concrete**							
SOM	Section 03 10 00	Concrete Forming and Accessories		●	●	●	●	●	
SOM	Section 03 20 00	Concrete Reinforcing		●	●	●	●	●	
SOM	Section 03 23 00	Post-Tensioning Reinforcement				●		●	
SOM	Section 03 30 00	Cast-in-Place Concrete	●	●	●	●	●	●	
SOM	Section 03 37 13	Shotcrete		●	●	●		●	
SOM	Section 03 73 00	Fiber Reinforced Polymer Composite Systems				●		●	
	Division 04	**Masonry**							
SOM	Section 04 30 00	Stonework	●	●	●	●	●	●	●
GLS	Section 04 43 01	Landscape Stone Masonry	●	●	●	●	●		
	Division 05	**Metals**							
SOM	Section 05 12 00	Structural Steel Framing	●	●	●	●		●	
SOM	Section 05 31 00	Steel Decking							

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SOM	Section 05 40 00	Cold Formed Metal Framing	●	●	●	●		●	
SOM	Section 05 50 00	Metal Fabrications	●	●	●	●		●	
GLS	Section 05 50 10	Landscape Metal Work		●	●	●	●		
SOM	Section 05 60 00	Metal Stairs	●	●	●	●		●	
SOM	Section 05 70 00	Decorative Metal	●	●	●	●		●	
	Division 06 Wood, Plastics, and Composites								
SOM	Section 06 10 00	Rough Carpentry	●	●	●	●		●	
SOM	Section 06 18 00	Glued-Laminated Construction	●	●	●	●		●	
SOM	Section 06 40 00	Architectural Woodwork	●	●	●	●		●	
	Division 07 Thermal and Moisture Protection								
SOM	Section 07 13 00	Sheet Waterproofing	●	●	●	●		●	
SOM	Section 07 14 13	Hot Fluid-Applied Rubberized Asphalt Waterproofing	●	●	●	●	●	●	
SOM	Section 07 18 00	Traffic Coatings				●	●	●	
SOM	Section 07 23 00	Building Insulation	●	●	●	●		●	
SOM	Section 07 25 00	Weather Barriers	●	●	●	●		●	
SOM	Section 07 41 13	Metal Roof and Wall Panels	●	●	●	●		●	
SOM	Section 07 54 00	Thermoplastic Membrane Roofing	●	●	●	●		●	
SOM	Section 07 62 00	Sheet Metal Flashing and Trim	●	●	●	●		●	
SOM	Section 07 70 00	Roof and Wall Specialities and Accessories	●	●	●	●		●	
SOM	Section 07 81 00	Applied Fireproofing	●	●	●	●		●	
SOM	Section 07 81 20	Intumescent Fire-Resistive Materials			●	●		●	
SOM	Section 07 84 00	Firestopping	●	●	●	●		●	
SOM	Section 07 92 00	Joint Sealants	●	●	●	●	●	●	
SOM	Section 07 95 13	Expansion Joint Cover Assemblies	●	●	●	●	●	●	
	Division 08 Openings								
SOM	Section 08 11 13	Hollow Metal Doors and Frames	●	●	●	●		●	
SOM	Section 08 14 00	Wood Doors	●	●	●	●		●	
SOM	Section 08 31 00	Access Doors and Panels	●	●	●	●		●	
SOM	Section 08 33 00	Coiling Doors and Grilles	●	●	●	●		●	
SOM	Section 08 36 00	Vertical Bi-Fold Doors				●		●	
SOM	Section 08 37 00	Oversized Swinging Service Doors						●	
SOM	Section 08 38 00	Traffic Doors			●	●		●	
SOM	Section 08 41 00	Glazed Walls and Entrances	●	●	●	●		●	
SOM	Section 08 63 00	Metal-Framed Skylights	●	●	●	●		●	
DHC	Section 08 70 00	Hardware	●	●	●	●		●	●
SOM	Section 08 80 00	Glazing	●	●	●	●		●	
SOM	Section 08 91 00	Louvers	●	●	●	●		●	
	Division 09 Finishes								
SOM	Section 09 21 14	Plaster Systems	●	●	●	●		●	
SOM	Section 09 21 17	Gypsum Board Systems	●	●	●	●		●	
SOM	Section 09 30 00	Tiling	●	●	●	●		●	
SOM	Section 09 51 00	Acoustical Ceilings	●	●	●	●		●	
SOM	Section 09 54 46	Fabric Wrapped Ceiling Panels				●		●	
SOM	Section 09 65 00	Resilient Flooring	●	●	●	●		●	
SOM	Section 09 68 00	Carpeting	●	●	●	●		●	
SOM	Section 09 80 10	Acoustic Wood Finishes				●		●	
SOM	Section 09 84 00	Fabric Wrapped Wall Panels		●	●	●		●	
SOM	Section 09 91 00	Painting	●	●	●	●	●	●	
	Division 10 Specialties								
SOM	Section 10 14 00	Signage							●

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SOM	Section 10 21 13	Toilet Compartments	●	●	●	●		●	
SOM	Section 10 22 26	Operable Partitions	●	●	●	●		●	
SOM	Section 10 28 13	Toilet Accessories	●	●	●	●		●	
SOM	Section 10 44 00	Fire Protection Specialties	●	●	●	●		●	
SOM	Section 10 75 00	Flagpoles		●	●	●	●	●	
SOM	Section 10 81 13	Bird Control Systems						●	
	Division 11 Equipment (Not Used)								
	Division 12 Furnishings								
SOM	Section 12 24 00	Window Shades	●	●	●	●		●	
SOM	Section 12 60 10	Freestanding Furniture						●	
SOM	Section 12 70 00	Systems Furniture						●	
GLS	Section 12 93 00	Site Furnishings		●	●	●			
	Division 13 Special Construction (Not Used)								
	Division 14 Conveying Equipment								
SOM	Section 14 27 00	Custom Elevator Cabs			●	●		●	
EW	Section 14 29 40	Hydraulic Elevator Modernization		●	●	●		●	
EW	Section 14 31 00	Escalators		●	●	●		●	
SOM	Section 14 42 16	Vertical Wheelchair Lift				●		●	
	Divisions 15-20 (Not Used)								

FACILITIES SERVICES SUBGROUP

	Division 21 Fire Suppression								
WSP	Section 21 05 01	Fire Protection General Provisions		●	●	●		●	
WSP	Section 21 05 29	Hangers and Supports for Fire Suppression Piping and Equipmen		●	●	●		●	
WSP	Section 21 05 48	Vibration Isolation and Seismic Retraints for Fire Suppression		●	●	●		●	
WSP	Section 21 05 50	Access Doors in General Construction for Fire Protection		●	●	●		●	
WSP	Section 21 05 53	Systems Identification for Fire Protection		●	●	●		●	
WSP	Section 21 08 00	Commissioning of Fire Suppression		●	●	●		●	
WSP	Section 21 13 19	Fire Protection Systems		●	●	●		●	
	Division 22 Plumbing								
WSP	Section 22 05 01	Plumbing General Provisions	●	●	●	●		●	
WSP	Section 22 05 13	Electric Motors for Plumbing Equipment	●	●	●	●		●	
WSP	Section 22 05 16	Expansion Compensation for Plumbing		●	●	●		●	
WSP	Section 22 05 19	Meters, Gauges and Thermometers for Plumbing	●	●	●	●		●	
WSP	Section 22 05 29	Hangers and Supports for Plumbing Piping and Equipment	●	●	●	●		●	
WSP	Section 22 05 50	Access Doors in General Construction for Plumbing	●	●	●	●		●	
WSP	Section 22 05 53	Systems Identification for Plumbing	●	●	●	●		●	
WSP	Section 22 07 00	Insulation for Plumbing	●	●	●	●		●	
AXM	Section 22 08 00	Commissioning of Plumbing Systems		●	●	●		●	
WSP	Section 22 11 00	Domestic Water Systems	●	●	●	●		●	
WSP	Section 22 11 10	Plumbing Piping and Accessories		●	●	●		●	
WSP	Section 22 11 23	Plumbing Pumps		●	●	●		●	
WSP	Section 22 13 00	Drainage Systems	●	●	●	●		●	
WSP	Section 22 21 01	Hydronic Systems Specialties for Plumbing		●	●	●		●	
WSP	Section 22 33 00	Domestic Water Heating Systems		●	●	●		●	
WSP	Section 22 40 00	Plumbing Fixtures	●	●	●	●		●	
WSP	Section 22 63 13	Natural Gas Systems		●	●	●		●	

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PART B

	Division 23 Heating, Ventilating, and Air Conditioning (HVAC)								
WSP	Section 23 05 01	HVAC General Provisions	●	●	●	●		●	
WSP	Section 23 05 13	Electric Motors for HVAC Equipment	●	●	●	●		●	
WSP	Section 23 05 14	Variable Frequency Drives for HVAC	●	●	●	●		●	
WSP	Section 23 05 16	Expansion Fittings and Loops for HVAC Piping		●	●	●		●	
WSP	Section 23 05 19	Meters, Gauges and Thermometers for HVAC		●	●	●		●	
WSP	Section 23 05 23	General-Duty Valves for HVAC Piping	●	●	●	●		●	
WSP	Section 23 05 29	Hangers and Supports for HVAC	●	●	●	●		●	
WSP	Section 23 05 48	Vibration and Seismic Controls for HVAC	●	●	●	●		●	
WSP	Section 23 05 50	Access Doors in Gernal Construction for HVAC		●	●	●		●	
WSP	Section 23 05 53	Systems Identification for HVAC	●	●	●	●		●	
WSP	Section 23 05 93	Testing, Adjusting and Balancing for HVAC	●	●	●	●		●	
WSP	Section 23 07 00	Insulation for HVAC	●	●	●	●		●	
WSP	Section 23 08 00	Commissioning of HVAC						●	
WSP	Section 23 08 31	California Title 24 Energy Standards HVAC Acceptance Testing		●	●	●		●	
WSP	Section 23 09 23	Direct Digital Control System for HVAC		●	●	●		●	
WSP	Section 23 09 93	Sequence of Operations for HVAC Controls		●	●	●		●	
WSP	Section 23 21 13	Hydronic Piping	●	●	●	●		●	
WSP	Section 23 21 16	Hydronic Piping Specialties		●	●	●		●	
WSP	Section 23 21 23	Hydronic Pumps	●	●	●	●		●	
WSP	Section 23 25 00	HVAC Water Treatment		●	●	●		●	
WSP	Section 23 31 00	HVAC Ducts and Casings	●	●	●	●		●	
WSP	Section 23 33 13	Dampers	●	●	●	●		●	
WSP	Section 23 33 19	Acoustics	●	●	●	●		●	
WSP	Section 23 34 00	HVAC Fans	●	●	●	●		●	
WSP	Section 23 36 00	Air Terminal Units	●	●	●	●		●	
WSP	Section 23 37 00	Air Outlets and Inlets	●	●	●	●		●	
WSP	Section 23 40 00	HVAC Air-Cleaning Devices	●	●	●	●		●	
WSP	Section 23 73 13	Modular Indoor Central-Station Air-Handling Units		●	●	●		●	
WSP	Section 23 74 13	Packaged Outdoor Central-Station Air-Handling Units		●	●	●		●	
WSP	Section 23 81 26	Split-System Air-Conditioners		●	●	●		●	
WSP	Section 23 82 16	Air Coils		●	●	●		●	
	Division 24-25 (Not Used)								
	Division 26 Electrical								
WSP	Section 26 05 01	Electrical General Provisions	●	●	●	●		●	
WSP	Section 26 05 02	Equipment Connections and Coordination	●	●	●	●		●	
WSP	Section 26 05 19	600 Volts Wire and Cable	●	●	●	●		●	
WSP	Section 26 05 26	Grounding System	●	●	●	●		●	
WSP	Section 26 05 33	Raceways and Boxes	●	●	●	●		●	
WSP	Section 26 05 48	Vibration and Seismic Restraints	●	●	●	●		●	
WSP	Section 26 09 26	Programmable Lighting Control System		●	●	●		●	
WSP	Section 26 09 33	Dimming Control		●	●	●		●	
WSP	Section 26 22 13	Dry-Type Transformers	●	●	●	●		●	
WSP	Section 26 24 13	Switchboards	●	●	●	●		●	
WSP	Section 26 24 16	Panelboards	●	●	●	●		●	
WSP	Section 26 27 26	Wiring Devices	●	●	●	●		●	
WSP	Section 26 28 13	600v Fuses	●	●	●	●		●	
WSP	Section 26 28 16	Disconnect Switches and Individual Motor Controllers	●	●	●	●		●	
WSP	Section 26 33 23	Central Battery Inverter Equipment		●	●	●		●	
WSP	Section 26 43 13	Transient Voltage Surge Suppression		●	●	●		●	
WSP	Section 26 50 00	Luminaires and Accessories							

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HLB	Section 26 50 10	Architectural Lighting Fixtures, Lamps, Ballasts	●	●	●	●		●	
	Division 27 Communications								
SMW	Section 27 00 00	Communication General Requirements	●	●	●	●		●	
SMW	Section 27 05 26	Communication Bonding and Grounding	●	●	●	●		●	
SMW	Section 27 05 28	Communication Pathways	●	●	●	●		●	
SMW	Section 27 05 29	Communication Hangers and Supports	●	●	●	●		●	
SMW	Section 27 05 33	Communication Conduits and Boxes	●	●	●	●		●	
SMW	Section 27 05 36	Communication Cable Tray		●	●	●		●	
SMW	Section 27 05 53	Communication Identification	●	●	●	●		●	
SMW	Section 27 08 00	Communication Commissioning	●	●	●	●		●	
SMW	Section 27 08 20	Certification of Audio-Video Systems	●	●	●	●		●	
SMW	Section 27 11 16	Communication Cabinets Racks & Enclosures	●	●	●	●		●	
SMW	Section 27 11 19	Communication Termination Blocks and Patch Panels	●	●	●	●		●	
SMW	Section 27 11 23	Communication Cable Management and Runway	●	●	●	●		●	
SMW	Section 27 11 26	Communication Power Distribution Units	●	●	●	●		●	
SMW	Section 27 13 13	Communication Copper Backbone Cabling	●	●	●	●		●	
SMW	Section 27 13 23	Communication Optical Fiber Backbone Cabling	●	●	●	●		●	
SMW	Section 27 13 24	Communication Optical Fiber Splicing and Termination		●	●	●		●	
SMW	Section 27 13 33	Communication Coaxial Backbone Cabling	●	●	●	●		●	
SMW	Section 27 13 34	Communication Coaxial Splicing and Termination		●	●	●		●	
SMW	Section 27 15 00.23	Audio-Video Communications Horizontal Cabling	●	●	●	●		●	
SMW	Section 27 15 13	Communication Copper Horizontal Cabling	●	●	●	●		●	
SMW	Section 27 15 23	Communication Optical Fiber Horizontal Cabling	●	●	●	●		●	
SMW	Section 27 15 33	Communication Coaxial Horizontal Cabling	●	●	●	●		●	
SMW	Section 27 15 43	Communication Faceplates and Connectors	●	●	●	●		●	
SMW	Section 27 16 19	Communication Patch Cords	●	●	●	●		●	
SMW	Section 27 41 00	Audio-Video Systems	●	●	●	●		●	
SMW	Section 27 41 16	Integrated Audio-Video Systems and Equipment	●	●	●	●		●	●
	Division 28 Electronic Safety and Security								
WSP	Section 28 30 00	Fire Management System	●	●	●	●		●	
	Division 29-30 (Not Used)								

SITE AND INFRASTRUCTURE SUBGROUP

	Division 31 Earthwork (Not Used)								
	Division 32 Exterior Improvements								
GLS	Section 32 13 16	Exterior Landscape Concrete	●	●	●	●	●		
GLS	Section 32 14 13	Unit Pavers	●	●	●	●	●		
GLS	Section 32 80 00	Irrigation		●	●	●	●	●	
GLS	Section 32 93 00	Soil Preparation and Planting	●	●	●	●	●	●	
	Division 33-39 (Not Used)								

PROCESS EQUIPMENT SUBGROUP - NOT USED

	APPENDICES								
SOM	Appendix 1A	Preliminary Code Summary	●	●	●	●	●	●	
JH	Appenidx 1B	Letter from Jensen Hughes: De Anza Ballroom Exiting Approach		●	●	●	●	●	
JH	Appendix 1C	Alternate Materials and Methods of Construction			●	●	●	●	
SOM	Appendix 2	Not Used	●	●	●				
SOM	Appendix 3	LEED Project Checklist							

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HLB	Appendix 4	Lighting Fixture Cut Sheets	•	•	•	•	•	•	
BKF	Appendix 5	Truck and Bus Turning Radius Diagrams	•	•	•	•	•	•	
SOM	Appendix 6A	Not Used	•	•	•				
SOM	Appendix 6B	Not Used	•	•	•				
SOM	Appendix 7	Not Used	•	•	•				
SOM	Appendix 8	Seismic Evaluation Report	•	•	•	•	•	•	
EW	Appendix 9	Escalator Design Data		•	•	•		•	
DHC	Appendix 10	Door Hardware Cut Sheets			•	•		•	
BKF	Appendix 11A	Stormwater Control Plan for Portola Plaza				•	•	•	
BKF	Appendix 11B	Stormwater Control Plan for Conference Center				•	•	•	
SOM	Appendix 12	Art Program						•	
SOM	Appendix 13	Furniture						•	•

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Monterey Conference Center

Addendum 1

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SECTION 01 11 00

SUMMARY OF WORK

PART 1 - GENERAL

1.1 SUMMARY

A. General: This Section specifies a Summary of Work to be performed in accordance with the requirements of the Contract Documents.

1.2 WORK COVERED BY CONTRACT DOCUMENTS

A. Location: One Portola Plaza, Monterey, CA. The site of the Work is on the north east corner of Del Monte Avenue and Pacific Street. The conference center faces Portola Plaza on the east and connects to the Portola Hotel & Spa to the North. The extent of the site is shown on the drawings.

B. Description: The project comprises approximately 122,000 sq. ft. of renovated interior and exterior space and another 30,000 sq. ft. that comprise the renovated Portola Plaza. The following is a general description of the work and does not constitute a thorough description of the architectural, structural, MEP, AV, civil, landscape, or graphic and wayfinding, or any other portion of the design that is contained within the contract documents.

1. Interior Space: The renovated conference center will have approximately the same total area of meeting space and overall building footprint as the existing building. The ground floor renovation consists of a new double height entrance lobby, new public restrooms, renovated existing sub-divisible exhibit hall, renovated existing pre-function space, and renovated existing back of house support space. The mezzanine level will have new administrative offices, renovated public lounge and gallery space, and renovated back of house space. On the second level an existing fixed 500-seat auditorium and six existing meeting rooms will be significantly altered to accommodate a new large flat floor ballroom that is sub-divisible into five smaller meeting rooms. Three of the six existing conference rooms will remain on the north side of the second level. Two movable glass partitions located in the new second level east pre-function space convert the space into informal meeting rooms. New back of house support space, food prep space, and a loading entrance will be located along the west side of the building and serviced off of Pacific Street.

2. Exterior Space: The Jeffers Plaza renovation will include new waterproofing membrane, new concrete stairs, new handrails and guardrails, new stone paving, and new cement stucco finish over existing concrete planters and walls. The existing planters and terraces along Pacific Street and Del Monte Avenue will be renovated to a similar level of finish as Jeffers Plaza and also tie into the new terrace space along the east side of the building overlooking Portola Plaza. New landscape planting and planting medium will replace existing landscape material throughout the project. New and upgraded exterior lighting will be integrated into exterior walls and soffits throughout the project.

3. Finishes: The renovated finishes throughout the major meeting space and pre-function space include existing concrete walls furred with gyp. bd., new wood millwork wall and ceiling finishes, new acoustic ceiling tiles and gypsum board ceilings, new stone and carpet flooring, new exterior glazing, skylights, and clerestory windows. Exterior finishes include stone and cement stucco cladding, perforated metals screens, glazed wood screens, glazed exterior walls, aluminum and cement stucco soffits, flat seem metal roofing, as well as membrane roof assemblies.

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4. Vertical Circulation: Stairs and ramps throughout the building interior and exterior will be replaced or upgraded to meet current code requirements and finish upgrades. A pair of new escalators (four total) will replace the single existing escalator (two total) that serve the mezzanine and second level of the building. The new pair of escalators will be located in approximately the same location as the existing escalator. The lobby passenger elevator cab interior will be replaced with new finishes and lighting. The freight elevator will be completely overhauled and modernized.

5. Structures: Additions and modifications will be made to the structure of the existing conference center which comprises a laterally stiff concrete base structure topped with a one-story steel upper structure. The concrete base structure consists of post-tensioned concrete slabs, long span post-tensioned concrete transfer girders, and reinforced concrete beams, columns, and shear walls. New long span glulam beams will frame the roof of the new flat floor ballroom on the second level.

6. MEP: Additions and modifications will be made to the existing MEP systems throughout the conference center. New mechanical equipment and duct work will provide improved thermal comfort and control of meeting and pre-function spaces. New lighting and lighting controls will replace the majority of fixtures throughout the meeting room and pre-function spaces and a portion of the back of house space. New Electrical and AV equipment will be provided that meets more rigorous requirements for current meeting and conference center users.

7. Portola Plaza: The renovation of Portola Plaza will completely replace the existing plaza and simplify pedestrian, vehicular, and truck circulation, while also creating an iconic civic space for the city. The existing brick paving, lighting, and landscaping will be replaced with new precast pavers, lighting, bollards, benches, trees, planters, and landscape material. A new fountain will be located in the center of the main drop off circle. The Alvarado Mall side of the plaza will be widened to accommodate safer pedestrian passage, more trees, and storm water filtration system for the plaza.

8. Signage: New building and wayfinding graphics and signage will be provided throughout the renovated building interior, exterior, and Portola Plaza.

9. Art Work: A portion of the current art collection in the conference center will be re-displayed throughout the public and pre-function spaces in the building. The existing mural located at the corner of Pacific and Del Monte Avenue will be removed and reinstalled by Owner on the Pacific Street elevation of the building.

10. De Anza Ballroom: All fire and life safety renovations and upgrades related to the De Anza Ballroom shall be performed during off hours or scheduled with the Portola Hotel in such a way that normal operations of the De Anza Ballroom is maintained.

C. Architect: Skidmore Owings & Merrill LLP, 1 Front St Suite 2400, San Francisco, CA 94111.

D. Owner: City of Monterey, City Hall, 580 Pacific St., Monterey, CA 93940

E. Type of Contract: Project will be constructed under a single low bid contract.

1.3 **CONTRACT DOCUMENTS**

A. Contract Documents: The Owner will furnish the Contractor the following documents at no cost:

1. Written Material: Reproducible electronic files. (Specifications, Addenda Modifications, etc.)

2. Drawings: Reproducible electronic files.

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B. Conflicts Within Contract Documents: Every reasonable effort has been made to coordinate the Contract Documents of disciplines involved. Examine the Contract documents of disciplines to determine that coordination is satisfactory. Apparent conflicts shall be brought to the attention of the Architect for resolution prior to submitting bid.

C. Quantities: The Contract Documents may, in some instances, be diagrammatic in nature and scope. Precise quantities and sizes of some items may not be explicitly indicated. The Contractor shall provide materials of the size and quantity necessary to accomplish the Work and satisfy performance requirements. If sizes, quantities and/or performance requirements cannot be reasonably inferred from the Contract Documents, the Contractor shall request a clarification from the Architect.

D. Dimensions: Where, in the opinion of the Contractor, the Contract Documents lack dimensional information or contain dimensional conflicts that are critical to the formulation of a bid proposal or the execution of the Work, the Contractor shall request a clarification from the Architect.

E. LEED Green Building Rating System: There is an initiative in place to perform the Work of this Project within the guidelines set forth by the US Green Building Council (USGBC) and requirements set forth by the LEED Green Building Rating System® to achieve a LEED Silver rating. Procedures for compliance are outlined in Section 01 33 00 "Submittals", Section 01 70 00 "Project Closeout", Section 01 81 10 “LEED Certification Plan”, Section 01 81 13 “Sustainable Design Requirements”, Section 01 81 15 “Green Building Material Certification Form”, and Section 01 81 20 “Construction Indoor Air Quality Management”. Contractors, subcontractors, suppliers, vendors and other personnel involved with the Project shall comply with these requirements and with specific requirements specified in individual Sections within Divisions 2-49 of this Project.

1.4 SEQUENCE OF WORK

A. The Work shall be one continuous project; all building and site work must be completed within the designated time frames.

B. The Project shall be delivered with two separate completion dates. All construction will begin on the same start date.

Delivery #1: First Floor of the building, The Portola Plaza, and The Street Improvements along and Del Monte Avenue. All the exiting and systems that support these areas along with the finishes shall be substantially complete within the time frame identified in the Special Provisions.

Delivery #2: The Contractor shall diligently perform the Contract to Substantial Completion of the remaining portion of the Project that were not complete under Delivery #1, this includes but is not limited to: The Mezzanine Floor, the Second Floor, Outdoor Terraces, All Exterior Cladding, Pacific Street Improvements, Jeffers Plaza, and all exiting and systems that support these areas within the time frame identified in the Special Provisions.

1.5 ITEMS FURNISHED BY THE OWNER

A. Delivery and Inspection of Owner-Furnished and Installed Items: The Owner will arrange and pay for delivery of Owner-furnished items according to the Construction Schedule. The Contractor shall coordinate delivery dates of Owner-furnished items with the Construction Schedule and shall be responsible for receiving, unloading, and handling Owner-furnished items at the site. Following delivery, the Owner will inspect items delivered for damage. If Owner-furnished items are damaged, defective, or missing, the Owner will arrange for replacement.

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B. Protection of Owner-Furnished and Installed Items: The Contractor is responsible for protecting Owner-furnished items from damage, including damage from exposure to the elements. The Contractor shall repair or replace items damaged as a result of his operations.

C. Contractor to coordinate with City regarding Owner-Furnished and Installed Items.

D. Installed by Contractor: The following items are furnished by the Owner and installed by the Contractor:

1. Portola Statue.

2. Pavers at Portola Plaza.

~~***3. Metal detectable warning pads.***~~

~~***4. Tree grates.***~~

E. Installed by Owner: The following items are furnished and installed by the Owner unless required in the Contract Documents:

1. Building furniture.

2. IT equipment.

3. Camera equipment.

4. AV equipment.

5. All planting in Portola Plaza ***and surrounding areas of building***.

6. Mural.

7. MCC Art collection.

8. Traffic signals on Del Monte.

1.6 COORDINATION WITH NEIGHBORING OCCUPANTS

A. Intent: The Work of this Contract shall be conducted in a manner which allows for full operational use of the existing De Anza Ballroom and Portola Hotel during the entire construction period. Provide the least possible interference to the day-to-day operations and activities of Portola Hotel's personnel and occupants. Cooperate with Owner and Portola Hotel during construction operations to minimize conflicts. Refer to suggested staging area diagram provided in Section 01 50 00 "Temporary Facilities and Controls".

1. Egress: Maintain existing exits unless otherwise indicated. Maintain access to existing walkways, corridors, and other adjacent occupied or used facilities. Do not close or obstruct walkways, corridors, or other occupied or used facilities without written permission from Owner and Portola Hotel, and approval of authorities having jurisdiction. Provide temporary exit paths as required through construction zones. See attached plan showing the proposed temporary exit paths for DeAnza.

2. Notification: Notify Owner and Portola Hotel not less than one week in advance of activities that will affect Owner's or Portola Hotel's operations.

3. Contractor shall provide plan of work for delivery of the first floor, including but not limited to DeAnza Ballroom, Serra Ballroom, Portola Plaza, and street improvements along Del Monte Avenue.

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B. Owner Limited Occupancy of Completed Areas of Construction: Owner reserves the right to occupy and to place and install equipment in completed portions of the Work, prior to Substantial Completion of the Work, provided such occupancy does not interfere with completion of the Work. Such placement of equipment and limited occupancy shall not constitute acceptance of the total Work.

1. Obtain a Certificate of Occupancy from authorities having jurisdiction before limited Owner occupancy.

2. Before limited Owner occupancy, mechanical and electrical systems shall be fully operational, and required tests and inspections shall be successfully completed. On occupancy, Owner will operate and maintain mechanical, electrical, fire alarm, and fire protection systems serving occupied portions of Work.

3. On occupancy, Owner will assume responsibility for maintenance and custodial service for occupied portions of Work.

C. Hotel Egress at Level L2 (Jeffers Plaza): The work of this Contract shall be conducted in a manner which will not impact hotel egress through Jeffers Plaza. Maintain egress lighting as required. See diagrams at end of Part 3 for proposed exiting strategy.

D. The Portola Hotel Project: The Portola Hotel and Spa will be refreshing their front façade during the Conference Center Project. This project is expected to take 2 to 3 months beginning in March 2016. Monterey Conference Center Contractor to coordinate and provide access to Portola Hotel contractor.

E. The City of Monterey will be repairing sewer and storm drain inside the Portola Plaza during the construction. The Contractor must coordinate and provide access to the City for them to do their repairs.

F. If the Portola Plaza project is not awarded with building project and a separate contractor is awarded the Plaza project at later date, the building contractor must coordinate and provide access for the Portola Plaza contractor.

1.7 WORK RESTRICTIONS

A. Work Restrictions, General: Comply with restrictions on construction operations.

1. Comply with limitations on use of public streets and with other requirements of authorities having jurisdiction.

B. Construction Hours: The hours for all construction, alteration, remodeling, demolition and repair activities which are authorized by a valid City Building Permit, as well as the delivery and removal of materials and equipment associated with these activities, are limited to the hours of 7:00 a.m. to 7:00 p.m. Monday through Friday, 8:00 a.m. to 6:00 p.m. Saturday, and 10:00 a.m. to 5:00 p.m. Sunday.

1. Exceptions: A permit to allow an exception to these hours may be issued by the Zoning Administrator following Notice and Public Hearing, in accord with Monterey City Code section 38-159 et seq. Requests for exceptions must show that compliance with the hour limitations would be impractical and that the exception is necessary to accommodate unique factors specific to the property. The exception shall be for a limited duration, and may be conditioned to require renewal after a period of three months.

2. Exceptions for Oversized Vehicle Deliveries: Oversized vehicles with a valid City of Monterey Transportation Permit, that are allowed by the transportation permit

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conditions to travel at night, are exempt from the limitation on construction hours. Oversized vehicle deliveries are authorized for delivery only and are subject to all of the provisions of the transportation permit. No construction activities are permitted with the oversized delivery.

3. Appeals: Decisions of the Zoning Administrator may be appealed by any person, in accord with Monterey City Code section 38-203 et seq.

4. Notice of Construction Hours: The limitations on construction hours shall be noted on the City Building Permit and approved building plans.

C. Existing Utility Interruptions: Do not interrupt utilities serving facilities occupied by Owner or Portola Hotel or others unless permitted by Owner and Portola Hotel, and then only after providing temporary utility services.

1. The following systems shall remain fully operational:

a. SF-5, CC-5 air handling system serving the De Anza Ballroom.

b. Boiler system.

c. Chilled water system; one of either of the following:

1) Air-cooled chiller (CH-2) or

2) Water-cooled chiller (CH-1) and one of the cooling towers (CT-1 or CT-2).

2. Notify Owner and Portola Hotel not less than one week in advance of proposed utility interruptions.

3. Obtain Owner's and Portola Hotel's written permission before proceeding with utility interruptions.

4. Contractor is responsible for investigating the existing equipment and meeting with Owner prior to start of construction to develop the strategy for existing utility interruptions.

5. Contractor shall maintain and service the equipment under construction.

D. Noise, Vibration, and Odors: Coordinate operations that may result in high levels of noise and vibration, odors, or other disruption to Owner or Portola Hotel occupancy with Owner and Portola Hotel.

1. Notify Owner and Portola Hotel not less than one week in advance of proposed disruptive operations.

2. Obtain Owner's and Portola Hotel's written permission before proceeding with disruptive operations.

E. Nonsmoking Building: Smoking is not permitted within the building or within 25 feet of entrances, operable windows, or outdoor-air intakes.

F. Controlled Substances: Use of tobacco products and other controlled substances within the existing building and on Project site is not permitted.

G. Employee Identification: Provide identification tags for Contractor personnel working on Project site. Require personnel to use identification tags at all times.

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1.8 **CONTRACTOR USE OF PREMISES**

A. Use of the Site: Limit use of the premises to work in areas indicated on the attached plan. Confine operations to areas within contract limits indicated. Do not disturb portions of the site beyond the areas in which the Work is indicated. Allow for Owner occupancy and use by the public.

B. Driveways and Entrances: Keep driveways and entrances serving the premises clear and available to the Owner, the Owner's employees, and emergency vehicles at all times. Do not use these areas for parking or storage of materials. Schedule deliveries to minimize space and time requirements for storage of materials and equipment on-site.

C. Storage: Assume full responsibility for protection and safekeeping of products stored on site. Move stored products which interfere with operations of Owner or separate contractor. Obtain and pay for use of additional storage of work areas needed for operations.

D. Use of the Existing Building: Maintain the existing building in a weathertight condition throughout the construction period. Repair damage caused by construction operations. Take precautions necessary to protect the building and its occupants during the construction period.

1.9 **CONTRACTOR – ENGINEERED SYSTEMS**

A. Performance and Design Criteria: Where professional engineering services or certifications by a design professional are specifically required of Contractor by the Contract Documents, provide products and systems complying with specific performance, design criteria and quality assurance requirements indicated. If criteria indicated are not sufficient to perform services or certification required, submit a written request for additional information to Architect.

B. Contractor-Engineered Submittals: In addition to Shop Drawings, Calculations, Product Data, and other required submittals, submit a statement, signed and sealed by the responsible design professional, for each product, system and/or requirement specifically assigned to Contractor to be engineered or certified by a design professional, indicating that the products and systems are in compliance with performance and design criteria indicated. Include list of codes, loads, and other factors used in performing these services. Submittals will be reviewed by Architect for Information Only. Architect may request clarification regarding Contractor-Engineered Submittals.

C. Contractor-Engineered Systems: In addition to specific items specified in Division 02-49 Sections, the following systems shall be Contractor-Engineered:

1. Metal stairs.
2. Bracing for plumbing Work.
3. Fire alarm system.
4. Operable partitions.
5. Seismic restraint of non-structural components, including but not limited to toilet partitions, MEP equipment, millwork, furniture, fixtures, and equipment (FF&E), etc.
6. Exterior glass and metal wall assembly connections.
7. Fire sprinkler system and bracing.
8. All listed end of wall vertical and horizontal slab conditions shall be deferred submittals and approved by City of Monterey Fire Department.

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9. Flag pole.

1.10 **INFORMATION AVAILABLE TO CONTRACTOR**

A. Sub-Surface Soil Investigation Reports: The Owner will make available reports prepared for the purposes of design and indicating the general characteristics of the underlying soil conditions on the site. The reports represent conditions known to the Owner, but are not guaranteed to represent all conditions that may be encountered. The report is made available as a reference document. Refer to the provisions of Part III, 4.2 of the General Conditions. Contractor shall notify the Owner and the Architect immediately if the reports appear to be at variance with the actual conditions encountered. The reports were prepared by the following soils consultants:

"Soil and Foundation Investigation – Custom House Convention Center, Monterey, California" (dated November 29, 1973).
Lee and Praszker Consulting Civil Engineers
147 Natoma St.
San Francisco, CA 94105
(415) 392-4866

"Updated Geotechnical Engineering Recommendations, Monterey Conference Center – Lobby Enlargement" (dated April 7, 2015, plus Addendum No. 1 dated May 21, 2015), by Earth Systems Pacific.

"Updated Geotechnical Engineering Recommendations, Portola Plaza Reconstruction" (dated August 3, 2015), by Earth Systems Pacific.

B. Site Survey: The Owner will make available a survey of the site, existing utilities and existing construction. The survey represents conditions known to the Owner. Other construction, of which no records are available, may be encountered. The Contractor shall formulate his own conclusions as to the extent of such construction, and shall notify the Owner and the Architect immediately if the survey appears to be at variance with the actual conditions encountered. The survey was prepared by the following surveyor:

"Lot Line Adjustment Plat Lots F1A(1) and F1A(3) Tract No. 827, 13 C&T 75"
(dated December 12, 2014).
Survey of Portola Plaza (dated November 25, 2104).
Survey of Pacific Street (dated June 12, 2015).
BKF Engineers, Surveyors, and Planners
1650 Technology Drive Suite 650
San Jose, CA 95110
(408) 467-9100

C. Existing Building Drawings: The Owner will make available existing Monterey Conference Center Drawings. The owner have not verified the accuracy of the drawings. The contractor shall formulate his or her own conclusions as to the reliability of these existing documents and shall notify the owner and the architect immediately if the drawings appears to be in variance with the actual condition encountered

1.11 **SURVEYS, LINES AND LEVELS**

A. Responsibility: The Contractor shall be responsible for properly laying out the Work and for lines and measurements for the Work. Verify the figures shown on the Drawings before laying out the Work and report errors or inaccuracies to the Architect before commencing work.

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B. Reference Points and Layout: Engage a Registered Land Surveyor to establish necessary reference lines and permanent bench marks, building lines and elevations and to lay out the Work. Establish not less than two such bench marks in widely separated locations. Be responsible for the proper location and level of the Work and for the maintenance of the referenced lines and bench marks. Establish bench marks and axis lines at each floor showing exact floor elevations and other lines and dimensional reference points as required for the information and guidance of trades; field checking of the structure and surveys thereof as may be required by the technical Sections of the Specifications. Perform marking and layout of walls and partitions.

1.12 **EXISTING CONDITIONS**

A. Examination of the Site, Records of Existing Construction and Conditions: Examine the site, the records of existing construction and the conditions under which the Work is to be performed. Notify the Construction Manager immediately if existing conditions discovered will effect the Work as shown on the Contract Documents. Contractor shall also reference the provisions of Part III, 4.1 and 4.2 of the General Conditions.

B. Conditions Furnished in the Contract Documents: The Contract Documents are based upon the information furnished to the Architect by the Owner. Such information is available from the Owner. The records are furnished for information only and are not guaranteed to represent all conditions that will be encountered. The records of existing construction represent conditions known to the Owner. Other construction, of which no records are available, may be encountered. Dimensions of existing construction are based on data retrieved from existing contract documents created by the original base building architect and from information provided to the Architect by the Owner. The Contractor and each subcontractor shall field verify existing dimensions.

1. Surveying and field verification shall be the responsibility of the Contractor.

2. The Contractor shall formulate its own conclusion as to the extent of such required field verification and surveying.

C. Precautions Against Movement or Settlement: The Contractor shall take every precaution to guard against any movement or settlement of existing or new construction. Provide bracing, shoring, underpinning or other retaining structures necessary in connection therewith. Assume responsibility for the design, safety and support of such construction and for any movement, settlement, damage or injury thereto.

PART 2 - PRODUCTS
(NOT APPLICABLE)

PART 3 - EXECUTION

3.1 **EXITING DIAGRAMS**

See following pages.

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SECTION 01 50 00

TEMPORARY FACILITIES AND CONTROLS

PART 1 - GENERAL

1.1 SUMMARY

A. General: This Section specifies administrative and procedural requirements for Temporary Facilities and Controls.

B. Administrative and Procedural Minimum Actions: Specific administrative and procedural minimum actions are specified in this section, as extensions of provisions in other Contract Documents. These requirements have been included for special purposes as indicated. Nothing in this section is intended to limit types and amounts of temporary work required, and no omission from this section will be recognized as an indication that such temporary activity is not required for successful completion of the work and compliance with requirements of the Contract Documents.

C. Arrangement for, Provision and Maintenance of Temporary Facilities and Controls: Arrange for, provide and maintain temporary facilities and controls as required for the proper and expeditious prosecution of the Work. Pay costs including fuel, power and water used until final acceptance of the Work unless the Owner makes arrangements for the use of completed portions of the Work after Substantial Completion in accordance with the provisions of the General Conditions.

D. Acceptable Locations for Temporary Connections: Provide and maintain temporary connections to utilities and services in locations acceptable to the Owner, Architect and local authorities having jurisdiction thereof. Make installations in a manner subject to the acceptance of such authorities and the Architect. Remove temporary installations and connections when no longer required and restore the services and sources of supply to proper operating condition.

E. Suggested Staging Area Diagram: Refer to Suggested Staging Area Diagram at the end of this Section. Contractor shall provide proposed Staging Area Diagram based on requirements of the Contract Documents.

F. Related Documents: Refer to General Conditions, Special Provisions, and Section 01 11 00 “Summary of Work” for other requirements governing ~~***Alteration Project Procedures***~~ ***Temporary Facilities and Controls***.

1.2 SUBMITTALS

A. Temporary Utilities: Submit reports of tests, inspections, meter readings and similar procedures performed on temporary utilities.

B. Implementation and Termination Schedule: Submit a schedule indicating implementation and termination of each temporary utility within 15 days of the date established for commencement of the Work.

1.3 QUALITY ASSURANCE

A. Regulations: Comply with industry standards and applicable laws and regulations and authorities having jurisdiction, including but not limited to:

1. Building Code requirements.

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2. Health and safety regulations.

3. Utility company regulations.

4. Police, Fire Department and Rescue Squad rules.

5. Environmental protection regulations.

B. Inspections: Arrange for authorities having jurisdiction to inspect and test each temporary utility before use. Obtain required certifications and permits.

1.4 **PROJECT CONDITIONS**

A. Temporary Utilities: Prepare a schedule indicating dates for implementation and termination of each temporary utility. At the earliest feasible time, when acceptable to the Owner, change over from use of temporary service to use of the permanent service.

B. Conditions of Use: Keep temporary services and facilities clean and neat in appearance. Operate in a safe and efficient manner. Take necessary fire prevention measures. Do not overload facilities, or permit them to interfere with progress. Do not allow hazardous, dangerous or unsanitary conditions, or public nuisances to develop or persist on the site.

1.5 **EQUIPMENT**

A. General: Provide new equipment, or undamaged, previously used equipment in serviceable condition. Provide equipment suitable for use intended.

B. Water Hoses: Provide 3/4 in. heavy-duty, abrasion-resistant, flexible rubber hoses 100 ft. long, with pressure rating greater than the maximum pressure of the water distribution system; provide adjustable shut-off nozzles at hose discharge.

C. Electrical Outlets: Provide properly configured NEMA polarized outlets to prevent insertion of 110-120 volt plugs into higher voltage outlets. Provide receptacle outlets equipped with ground-fault circuit interrupters, reset button and pilot light, for connection of power tools and equipment.

D. Electrical Power Cords: Provide grounded extension cords; use "hard-service" cords where exposed to abrasion and traffic. Provide waterproof connectors to connect separate lengths of electric cords, if single lengths will not reach areas where construction activities are in progress.

E. Lamps and Light Fixtures: Provide general service incandescent lamps of wattage required for adequate illumination. Provide guard cages or tempered glass enclosures, where exposed to breakage. Provide exterior fixtures where exposed to moisture.

F. Heating Units: Provide temporary heating units that have been tested and labeled by UL, FM or another recognized trade association related to the type of fuel being consumed.

1.6 **TEMPORARY ELECTRICITY AND LIGHTING**

A. Arrangements with the Local Electric Company or Other Appropriate Entity: Make arrangements with the local electric company or other appropriate entity for temporary electrical service to the construction site, provide equipment necessary for temporary power and lighting. The electrical service shall be of adequate capacity for construction tools and equipment without overloading the temporary facilities and shall be made available for power, lighting and construction operations of trades.

B. Power Distribution: In addition to the electrical service, provide power distribution as

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required throughout structure of 120/208 volts, 3-phase, 4-wire, 60 cycle, A.C. The termination of power distribution shall be at convenient locations in the building. Provide terminations for each voltage supply complete with circuit breakers, disconnect switches and other electrical devices as required to protect the power supply system.

C. Temporary Lighting System: Provide and maintain a temporary lighting system to satisfy at least the minimum requirements of safety and security, and to maintain the progress of the Work. The temporary lighting system shall afford general illumination in areas of the Project and any additional illumination, where necessary, in the areas of the Project where work is being performed. Temporary wiring shall be maintained in a safe manner and utilized so as not to constitute a hazard to persons or property.

D. Permanent Power And Lighting System: The permanent power and lighting system, or a portion thereof, may be used provided the Contractor: (1) obtains the approval of the Owner; (2) assumes full responsibility for the entire power and lighting system; and (3) pays costs for power, operation, maintenance and restoration of the system.

E. Removal of Temporary Electrical Equipment and Wiring: At the completion of the Work remove temporary electrical equipment and wiring and replace worn or damaged parts of the permanent system. Leave equipment in first-class condition equal to new.

1.7 **TEMPORARY HEATING, COOLING AND VENTILATING**

A. Temporary Heat and Maintenance of Temperature: Provide temporary heat as required during construction to protect the Work from freezing or frost damage and to ensure suitable conditions for the construction operations of trades. Where work is being conducted, maintain the temperature as specified in the various sections of the Specifications but not less than 45 deg. F. Do not allow the temperature to reach a level which will cause damage to any portion of the Work.

B. Smokeless Portable Unit Heaters: Until the building, or any major portion thereof, is enclosed, temporary heating shall be by smokeless portable unit heaters of type listed by Underwriter's Laboratories, and approved by Factory Mutual and the Fire Marshal. Surfaces damaged by the use of these space heaters shall be replaced by new materials or be refinished.

C. Criteria of a Closed Building: The building shall be considered enclosed when exterior walls have been erected, the roof substantially completed, exterior openings closed up either by the permanently glazed windows and doors or by adequate temporary closing, and the building is ready for interior masonry and finishes.

D. Use of the Permanent Heating System: The permanent heating system, or a portion thereof, may be used provided the Contractor: (1) obtains approval of the Owner; (2) assumes full responsibility for the entire heating system; and (3) pays for costs for fuel, operation, maintenance and restoration of the system.

E. Adequate Ventilation: Provide adequate ventilation to prevent accumulation of excess moisture or to prevent excess thermal movement in the building.

F. Use of Permanent Air Circulation System: The permanent air circulation system, or a portion thereof, may be used provided the Contractor: (1) obtains the approval of the Owner; (2) assumes full responsibility for the entire air circulation system; and (3) pays costs for power, operation, maintenance and restoration of the system. Provide temporary filters to adequately filter air being distributed through the duct work to the supply outlets; disposable filters shall be placed in front of exhaust registers to keep construction dirt out of exhaust duct work. Thoroughly clean the interior of the air handling units and duct work and install the permanent filters prior to acceptance of the Work.

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G. Use of the Permanent Heating System: At the completion of the Work remove temporary heating equipment and piping and replace worn or damaged parts of the permanent system. Leave equipment in first-class condition equal to new.

1.8 **TEMPORARY WATER**

A. Provision for Temporary Water Service: Provide, at a point within 10 ft. of the building (or buildings), water necessary for construction purposes. Make temporary connections to existing mains; provide temporary meter; and make arrangements and pay for the temporary water service including cost of installation, maintenance thereof and water used.

B. Drinking Water: Furnish drinking water with suitable containers and cups for use of employees. Locate drinking water dispensers where work is in progress.

C. Use of the Permanent Water Supply and Distribution System: The permanent water supply and distribution system, or a portion thereof, may be used provided the Contractor: (1) obtains the approval of the Owner; (2) assumes full responsibility for the entire water supply and distribution system; and (3) pays costs for water, operation, maintenance and restoration of the system.

D. Drainage or Collection of Water: Make provisions for drainage or collection of excess or spilled water.

E. Removal and Replacement at the Completion of the Work: At the completion of the Work, remove temporary water service equipment and piping and replace worn or damaged parts of the permanent system. Leave equipment in first-class condition equal to new.

1.9 **TEMPORARY SANITARY FACILITIES**

A. Provision for Enclosed Weathertight Toilets: Provide enclosed weathertight toilets for the use of construction personnel, complete with fixtures, water connections, sewer connections and appurtenances. Maintain toilets in accordance with the requirements of the state and local health regulations and ordinances. Upon completion of the Work, remove toilets and their appurtenances. Chemical toilets will be permitted.

1.10 **TEMPORARY FIRE PROTECTION**

A. Temporary Fire Protection: Maintain fire protection system during construction to maintain operation of facility as required.

1.11 **TEMPORARY CONSTRUCTION OPENINGS**

A. Opening and Closing in Slabs, Walls and Partitions: Provide openings in slabs, walls and partitions where required for moving in large pieces of equipment. After the equipment is in place, close openings and restore finish work to original condition. Maintain fire rating of existing rated construction utilizing firestopping as specified in Section 07 84 00 “Firestopping". Structural modifications shall be subject to review by the Architect.

1.12 **TEMPORARY ELEVATORS AND HOISTS**

A. Provision for Temporary Elevator: If required, provide temporary elevator for necessary service during construction operations, after the hoistway enclosures are completed and electrical power is available; using temporary machines or permanent machines if they are available for the required services.

B. Temporary Cars: The temporary elevator shall include temporary cars with suitable gates,

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including temporary hoistway doors.

C. Operation and Maintenance Personnel: The temporary services shall include qualified operating and maintenance personnel.

D. Removal and Replacement at the Completion of the Work: At the completion of the Work temporary elevator equipment shall be removed and worn or damaged parts of the permanent system shall be replaced and equipment placed in first-class condition equal to new.

E. Material Hoists, Special Rigging and Hoisting Facilities: Provide material hoists and special rigging and hoisting facilities as required. Provide necessary guards, signals, safety devices, etc. required for safe operations, and suitable runways from the hoists to each floor level and roof. Prohibit the use of the material hoists for transporting personnel, if required.

1.13 TEMPORARY BARRICADE

A. Provision for and Maintenance of a Temporary Sidewalk Barricade: Provide and maintain a temporary sidewalk barricade to enclose the area at the job site; the barricade shall comply with state and local codes and ordinances governing their construction. Provide gates with locks where required or shown for access to the enclosed area. Paint barricade with two coats of paint in color selected by the Architect.

1.14 TEMPORARY FENCE

A. Provision for and Maintenance of a Temporary Fence: Provide and maintain a temporary fence to enclose the area at the job site and to effectively guard and close in the designated area. Provide gates of substantial construction, cross-braced, hung on heavy strap hinges, with suitable hasps and padlocks. Submit shop drawings of fence and gates for review of Architect and Owner. Paint solid construction fences with two coats of paint in color selected by the Architect.

1. At Portola Plaza and Jeffers Plaza: Provide solid construction.

2. Elsewhere: Provide green screen chain link fence.

B. Removal of Fence: Remove the fence upon completion of the Work or at such time before final completion as directed by the Owner.

1.15 TEMPORARY STAIRS, LADDERS, RAMPS, RUNWAYS, COVERED WALKWAY, ETC.

A. Provision for and Maintenance of a Temporary Fence: Provide and maintain equipment such as temporary stairs, ladders, ramps, runways, chutes, etc. as required for the proper execution of the Work. As soon as permanent stairs are erected, provide temporary protective treads, handrails and shaft enclosures.

B. Covered Walkway: Erect a structurally adequate protective covered walkway for passage of persons along the adjacent public street. Coordinate with entrance gates, other facilities and obstructions. Comply with regulations of authorities having jurisdiction.

1. Construct using scaffold or shoring framing, waterproofed wood plank overhead decking, protective plywood enclosure walls, handrails, barricades, warning signs, lights, safe and well- drained walkways and similar provisions for protection and safe passage. Extend the backwall beyond the structure to complete the enclosure fence. Paint and maintain in a manner acceptable to the Owner and Architect.

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1.16 **SECURITY AND PROTECTION**

A. Watchman Service: Provide sufficient watchman service as necessary for proper protection of the Work and premises during nights, holidays, or other periods when work is not being performed, and as required during working hours.

B. Requirement of Temporary Enclosures: Provide temporary enclosures required for protecting the Project from the exterior, for providing passageways, for the protection of openings both exterior and interior and any other location where temporary enclosures and protection may be required.

C. Precautions Against Fire: Take adequate precautions against fire, keep flammable material at an absolute minimum and ensure that such material is properly handled and stored. Except as otherwise provided herein, do not permit fires or open salamanders in any part of the Work.

D. Storage: Where materials and equipment must be stored, and are of value or attractive for theft, provide a secure lockup. Enforce discipline in connection with the installation and release of material to minimize the opportunity for theft and vandalism.

E. Environmental Protection: Provide protection, operate temporary facilities and conduct construction in ways and by methods that comply with environmental regulations, and minimize the possibility that air, waterways and subsoil might be contaminated or polluted, or that other undesirable effects might result. Avoid use of tools and equipment which produce harmful noise. Restrict use of noise making tools and equipment to hours that will minimize complaints from persons or firms near the site.

1.17 **TEMPORARY ACCESS ROADS**

A. Construction, Maintenance and Removal of Temporary Access Roads: Construct and maintain in good usable condition, required temporary access roads and, when no longer required, remove temporary construction and restore the site.

B. Locations for Delivery: Access to the site for delivery of construction material or equipment shall be made only from locations designated by the Owner.

1.18 **PEST CONTROL**

A. Program of Pest Control: Institute an effective program of pest control for the entire site within the construction limits. Cooperate with local authorities and provide the regular services of an experienced exterminator who shall visit the site at least once a month for the entire construction period. If the program of pest control is not effective, take whatever steps are necessary to rid the Project of pests without additional expense to the Owner.

1.19 **SURFACE WATER**

A. Temporary Drainage and Pumping: Provide, maintain and operate a temporary drainage system and pumping equipment as required, to keep excavated areas free from water from any source; remove water from basement areas, tunnels, pits, trenches and similar areas. Perform pumping and draining in such a manner so as not to damage any part of the Work adjacent construction or property.

B. Temporary Sump Pumps: Temporary sump pumps may be installed and operated in the sump pits. Upon the installation of the permanent sump pumps, remove the temporary pumps, clean the sump pits and the drain lines. Under no condition shall the permanent sump pumps be used for such temporary purposes.

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1.20 **PROJECT IDENTIFICATION AND SIGNS**

A. Display of Signs or Advertisements: No signs or advertisements will be allowed to be displayed on the premises without the acceptance of the Architect.

B. Construction Sign: Provide one construction sign subject to the review of the Architect and the approval of the Owner. Text and lettering shall be as provided for at a later date.

1.21 **TEMPORARY FIELD OFFICES AND SHEDS**

A. Provision for and Maintenance of Temporary Field Office: Provide and maintain a field office with telephone and internet access at the job site. Remove temporary field offices when no longer required.

B. Construction of Temporary Field Offices**:** Temporary offices provided as required above, or for the Contractor's convenience, shall be maintained in good condition and neat appearance, including painting with two coats of paint in color selected by the Architect.

PART 2 - PRODUCTS

2.1 **MATERIALS**

A. General: Provide new materials. Undamaged, previously used materials in serviceable condition may be used if approved by Architect. Provide materials suitable for use intended.

B. Chain-Link Fencing: Minimum 2 in. mesh, 0.148 in. thick, galvanized steel, chain-link fabric fencing; minimum 6 ft. high with galvanized steel pipe posts; minimum 2-3/8-in. OD line posts and 2-7/8-in. OD corner and pull posts, with 1-5/8-in. OD top rails. Provide galvanized barbed-wire top strand if required for security.

C. Wood Enclosure Fence: Plywood, 8 ft. high, framed with four 2 in. by 4 in. rails, with preservative-treated wood posts spaced not more than 8 ft. apart.

1. Lumber and Plywood: Comply with requirements in Section 06 10 00 "Rough Carpentry"

D. Gypsum Board: Minimum 1/2 in. thick by 48 in. wide by maximum available lengths; regular-type panels with tapered edges. Comply with ASTM C36 and Section 09 21 17 "Gypsum Board Systems".

E. Insulation: Unfaced mineral-fiber blanket, manufactured from glass, slag wool, or rock wool; with maximum flame-spread and smoke-developed indices of 25 and 50, respectively. Comply with and Section 07 23 00 "Building Insulation".

F. Paint: Comply with requirements in Section 09 91 00 "Painting."

G. Tarpaulins: Fire-resistive labeled with flame-spread rating of 15 or less.

H. Water: Potable.

PART 3 - EXECUTION

3.1 **INSTALLATION, GENERAL**

A. Location of Facilities: Locate facilities where they will serve Project adequately and result

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in minimum interference with performance of the Work. Relocate and modify facilities as required.

B. Provision for Ready for Use Facilities: Provide each facility ready for use when needed to avoid delay. Maintain and modify as required. Do not remove until facilities are no longer needed or are replaced by authorized use of completed permanent facilities.

3.2 SUPPORT FACILITIES INSTALLATION

A. Location: Locate field offices, storage sheds, sanitary facilities, and other temporary construction and support facilities for easy access and as approved by the Owner.

B. Incombustible Construction: Provide incombustible construction for offices, shops, and sheds located within construction area Comply with NFPA 241.

C. Maintenance of Support Facilities: Maintain support facilities until near Substantial Completion. Remove before Substantial Completion. Personnel remaining after Substantial Completion will be permitted to use permanent facilities, under conditions acceptable to Owner.

3.3 OPERATION, TERMINATION, AND REMOVAL

A. Supervision: Enforce strict discipline in use of temporary facilities. To minimize waste and abuse, limit availability of temporary facilities to essential and intended uses.

B. Maintenance: Maintain facilities in good operating condition until removal. Protect from damage caused by freezing temperatures and similar elements.

C. Water-filled Piping: Prevent water-filled piping from freezing. Maintain markers for underground lines. Protect from damage during excavation operations.

D. Termination and Removal: Remove each temporary facility when need for its service has ended, when it has been replaced by authorized use of a permanent facility, or no later than Substantial Completion. Complete or, if necessary, restore permanent construction that may have been delayed because of interference with temporary facility. Repair damaged Work, clean exposed surfaces, and replace construction that cannot be satisfactorily repaired.

E. Property of Contractor: Materials and facilities that constitute temporary facilities are the property of Contractor. Owner reserves right to take possession of Project identification signs.

3.4 STAGING DIAGRAMS

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SECTION 04 30 00

STONEWORK

PART 1 - GENERAL

1.1 SUMMARY

A. General: Provide stonework in accordance with requirements of the Contract Documents.

B. Related Work Specified Elsewhere

1. Section 01 81 13 “Sustainable Design Requirements” for Leadership in Energy and Environmental Design (LEED®) certification-related references, definitions, documentation requirements, action plans, meetings, and performance requirements of products and systems.

2. Stone thresholds are specified in Section 09 30 00 “Tiling”.

1.2 REFERENCES

A. General: Comply with the applicable provisions and recommendations of referenced standards, except as modified by governing codes and by the Contract Documents. Where a recommendation or suggestion occurs in the referenced standards, such recommendation or suggestion shall be considered mandatory. In the event of conflict between referenced standards, this specification or within themselves, the more stringent standard or requirement shall govern.

B. ASTM International (ASTM):

1. ASTM C1242 “Standard Guide for Design, Selection, and Installation of Stone Anchors and Anchoring Systems”.

2. ASTM C1528 “Standard Guide for Selection of Dimension Stone”.

C. Indiana Limestone Institute of America (ILI): "Indiana Limestone Institute Handbook".

D. Marble Institute of America (MIA): "Design Manual".

E. Masonry Industry Council: ”Hot and Cold Weather Masonry Construction Manual”.

F. National Building Granite Quarries Association (NBGQA): "Specifications For Building Granite".

1.3 DEFINITIONS

A. Dimension Stone Tile: Modular stone units less than 3/4 in. thick.

B. Module Size: Actual tile size plus joint width.

C. Honed Finish: Smooth, non-reflective surface similar to that produced by grinding with a 400- to 1200-grit abrasive.

D. Thermal Finish: Uniform, coarse-textured surface produced by thermal shock.

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1.4 **SYSTEM DESCRIPTION**

A. Design Criteria

1. Exterior Stone Cladding System: An engineered exterior wall covering system consisting of dimension stone panels together with the anchors, fasteners, and sealants used to secure the stone to the building structure and to produce a weather-resistant covering meeting the aesthetic requirements described and shown on the drawings and specified herein. The stonework shall be securely anchored to the building in a manner that complies with the following:

a. Provides support for all loads applied.

b. Prevents the building structure from imposing loads on the stonework.

c. Maintains the components in their intended positions relative to the design grid.

d. Facilitates adjustment of the anchorages individually in all directions during installation with provision to lock them in their correctly aligned and leveled positions.

e. Prevent the casual or accidental removal of any component while allowing the stone cladding panels to be removed individually with appropriate tools.

2. Detailing: The method of erecting, installing and anchoring of stone indicated on the drawings is diagrammatic only and shall be used for the purposes of bidding. Contractor shall be responsible for design and warranty the structural support, the permanent anchorage and the watertight integrity of stone Work. Alternate methods of detailing, proposed by the Contractor, will be considered provided it complies with aesthetic design shown and performance criteria specified. Design the installation to allow for expansion, contraction and differential deflection of supporting floors of the building structure.

3. Tolerances: Allow for tolerances in the design of anchorages, fastenings and components such that the completed stonework is within permitted tolerances. The Contractor will be responsible for obtaining any further tolerance information required, having taken into account all criteria which is relevant to the design, fabrication and construction of the stonework.

B. Performance Requirements

1. Exterior Stone Wall Cladding Systems:

a. Wind Loading Requirements: Design, fabricate and install component parts so that the completed exterior stonework will withstand the inward and outward pressures normal to the plane of the wall. Wind Loading Requirements are in accordance with the 2013 California Building Code and ASCE 7-10. At corners and other changes in plane, both surfaces shall be assumed to experience the most severe combinations of negative and positive pressures simultaneously.

b. Building Movement: Design, fabricate and install exterior stonework to withstand building movements including loading deflections, shrinkage, creep, seismic, thermal, and similar movements. Design for

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simultaneous occurrence of all specified movements. No reductions shall be applied to individual movements or to combinations of movements.

c. Live Load Deflection: Design, fabricate and install the exterior stonework to accommodate live load deflection of spandrel beams and floor assemblies.

d. Maximum Deflections Normal to the Wall: Design exterior stonework support systems holding stonework to limit deflection within the system and within the stone units to values which allow the stone units to sustain imposed loads, for each combination of stone/anchor/support framing configurations and variations, intended for use on the project, within the specified design limits and factors of safety; but not greater than L/360 of its clear span or 1/8 in.; whichever is less. In addition to the above deflections, stone supporting aluminum framing members shall be limited to L/600 parallel and perpendicular to the wall plane.

e. Deformation: Permanent deformation, weld or fastener failure, component disengagement or breakage shall not occur under loading equal to 1.5 times the design load pressures (positive and negative) specified herein. Permanent deformation is defined as deflection without recovery exceeding length/1000.

f. Anchorage

1) Anchorage disengagement or breakage shall not occur when an installed unit is subjected to a force equal to 2.5 times the design load.

2) Anchorage shall be properly braced in three orthogonal directions (vertical, transverse, and longitudinal) to resist specified loadings from any direction (both positive and negative pressure).

3) Anchors and supports shall be designed and located so as to allow a uniform distribution of anticipated wind loads, and shall not impart any unauthorized torsional loading causing excessive stress on the structure, excessive deflection, inhibiting thermal movement or conflict with clearances for equipment. Eccentric loads imposed into the building structural elements by the exterior stonework anchorage are not allowed.

g. Thermal Movements: Provide stone cladding system that allows for thermal movements resulting from the following maximum change (range) in ambient and surface temperatures by preventing displacement of stone, opening of joints, overstressing of components, failure of joint sealants and connections, and other detrimental effects. Base engineering calculations on surface temperatures of materials due to both solar heat gain and nighttime sky heat loss.

1) Temperature Change (Range): 120 deg F., ambient; 180 deg F., material surfaces.

h. Seismic Requirements: Design to withstand minimum lateral movements per floor shown and as follows:

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1) Servicability Drift ("Delta S"): 0.006 x story height. Units shall have no structural failure or deterioration, no sealant failure, no permanent deformation of metal components. Units shall not make contact with adjacent panels or with the structural frame. Connections shall permit relative movement between the unit supporting frame and shall have at least 3 times the deformation capacity (as defined below) as required by Delta S displacements and shall remain essentially elastic under the action of these deformations.

2) Maximum Drift ("Delta M"): 0.02 x story height. Units and connections shall have no structural failure. Units and connections shall be such that no falling hazards are possible. Cladding units shall have no breakage. Sealant and gaskets failure shall be minimized. Permanent deformations of metal components shall be minimized. Cladding units shall not make contact with adjacent panels or with the structural frame. Connections shall permit relative movement between the unit supporting frame and shall have at least 1.5 times the deformation capacity (as defined below) as required by Delta M displacements.

3) Floor to Floor Height Variation: Modify seismic drift requirements in direct proportion to floor to floor height where that height differs from 11 ft. 6 in.

4) Connections: Per ASCE 7-10, Chapter 13.

5) Lateral Acceleration: Accommodate minimum seismic design forces of not less than 0.3 times weight of supported element.

6) Seismic Requirements: Per California Building Code.

7) Deformation Capacity: The deformation capacity of a flexible connection shall be determined as the value of deformation that results in fracture or cracking or otherwise causes a loss of strength on the connector or panel, or is the value of deformation that causes sliding parts to come into contact.

8) Corner Units: Under either drift level, units at building corners shall be joined in a way as to permit the out-of-plane deformations on one face occur without impact to panels or panel connections on adjacent perpendicular faces.

9) Additional Framing: Provide miscellaneous steel framing not shown on drawings which is required to satisfy seismic criteria.

i. Deflections: Submit engineering calculations to show maximum deflections based on full panel loads, uniformly distributed, building deflections, thermal stresses, and erection tolerances. Glass, sealants and interior finishes shall not be included to contribute to strength, stiffness or lateral stability. Maximum full load deflections, normal to the wall plane, for any wall member or component shall not exceed the following:

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1) Stone Walls: Design wall support systems holding stonework to limit deflection within the system and within the stone units to values which allow the stone units to sustain imposed loads, for each combination of stone/anchor/support framing configurations and variations, intended for use on the project, within the specified design limits and factors of safety; but not greater than 1/360 of its clear span or 1/8 in.; whichever is less. In addition to the above deflections, stone supporting aluminum framing members shall be limited to 1/600 parallel and perpendicular to the wall plane, with rotation of continuous member on kerfed stone limited to 1/16 in. maximum.

2) Windows within Exterior Stone Walls: 1/175 of its clear span between anchorages or 3/4 in. whichever is less.

j. Permanent deformation, weld or fastener failure, component disengagement or breakage shall not occur under loading equal to 1.5 times the design load pressures (positive and negative) specified. Permanent deformation is defined as deflection without recovery exceeding length/1000.

k. Air and Water Control: Design, fabricate and install stone cladding system and components to provide a completely impervious air and vapor barrier. Provide tight joints and effectively seal component parts of stone wall, including their joints with contiguous work, against water leakage and air infiltration. Water leakage is defined as the appearance of uncontrolled water, other than condensation, on any inboard part of exterior wall, either during field water penetration testing or under actual weather conditions. Uncontrolled water is defined as leakage that is not contained and\or drained away in a manner as to cause damage to the exterior wall or adjacent construction or finishes.

1) Make provisions to drain water and condensation to exterior face of wall.

2) Provide two distinct lines of defense against the intrusion of water and air into the stone cladding systems.

3) Provide a system of gutters and drainage components separately or in conjunction with contiguous work. Collect and drain water from within the stone exterior walls at every story height. Make provisions to drain water and condensation to exterior face of stone wall. Provide flashings and gutters for exterior stone walls and for the connection of contiguous work. Give special attention to the connection of drainage members at columns, spandrel beams and other areas of limited access. The use of carbon steel components for gutter and drainage assemblies is prohibited. Provide stainless steel or aluminum components.

a) Air infiltrations shall not exceed the 0.06 cfm/ft^2 of wall area when tested at 6.24 psf test pressure.

4) Exterior Stone Walls: Provide a continuous air space behind stone facing, except as required at locations of stone anchors. Provide stone anchors with cross sectional profiles oriented to

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promote water drainage, unless used as part of the drainage system. Provide holes, slots or other drainage outlets for stone anchors wider than 4 in.

5) Give special attention to the connection of drainage members to assure the control of water to gutters and weeps, to prevent the entry of uncontrolled water at the locations of connection between exterior stone walls and contiguous windows.

l. Stone Design Safety Factors: The minimum safety factor to be used in the flexural design of the stone and the design of the stone at the anchorage(s) shall be based on preliminary stone test data as derived. The safety factors shall be made up of two separate components; the Variance Factor (V. F.) and the Durability Factor (D.F.).

1) Variance Factor (V.F.): The V.F. is defined as a measure of the Stone Flexural Safety Factor (F.S.F.): The minimum safety factor to be used in the flexural design of stone panels shall be as follows:

Granite:	4.0
Limestone:	
Dolomitic:	5.0
Oolithic	8.0

2) Stone Anchorage Safety Factor (A.S.F.): The minimum safety factor to be used in checking stone stresses at anchorage zones shall be calculated as follows:

A.S.F. = F.S.F. X 1.4

2. Stone Flooring and Paving:

a. Stone Abrasion Resistance: Minimum abrasive hardness of 10, as determined per ASTM C241.

b. Dynamic Coefficient of Friction: Per ANSI A137, DCOF AcuTest Method, minimum 0.42 for horizontal surfaces.

3. Control of Corrosion and Staining: Prevent galvanic and other forms of corrosion as well as staining by isolating metals and other materials from direct contact with incompatible materials. Use materials that do not stain exposed surfaces of stone and joint materials.

4. Shipping and Handling: The stone and the stone anchorage shall not be compromised to any degree by distress in the assembly which may occur as a result of shipping and handling of the assembly.

5. Design Modifications: Make design modifications of work shown only as may be necessary to meet performance requirements and coordinate the work. Variations in details and materials which do not adversely affect appearance, durability or strength shall be submitted to the Architect for review. Maintain the general exterior design concept without altering profiles and alignments shown.

6. LEED Performance Requirements

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a. Credit MR 4, Recycled Content: The recycled content (by weight) of the major components shall be identified and documented.

b. Credit MR 5, Regional Materials: The manufacturing locations and origin of raw and salvaged materials shall be identified and documented if sourced within a straight-line 500 mile total travel distance of the project site using a weighted average determined through the following formula: (Distance by rail/3) + (Distance by inland waterway/2) + (Distance by sea/15) + (Distance by all other means) = 500 miles.

1.5 **SUBMITTALS**

A. Product Data: Submit, for Architect's action. Submit manufacturer's technical literature and specifications describing the general properties of each material and accessory to be used in the Work.

B. Shop and Setting Drawings: Submit for Architect's action. Submit shop and setting drawings for the fabrication and installation of the Work concurrent with calculations. Prepare details at not less than 3 in. = 1 ft. minimum scale. Show in detail profiles, dimensions, the dominant face grain pattern, jointing, setting methods, bearings, anchors and dowels, sizes and locations of cut-outs, relation to work of other trades, and other pertinent data and information. Number each piece on the drawings to correspond to the identification number on the back of each stone.

1. Submit Procedures For The Replacement Of Stones: Submit procedures for the replacement of stones after installation for each type of setting method.

2. Large-Scale Details: Submit large-scale details of decorative surfaces and inscriptions.

B. Samples: Submit the following for Architect's action. Label samples to indicate product, characteristics, and location in the Work. Samples will be reviewed for color and appearance only. Furnish sufficient samples to establish the full range of colors and textures for materials exposed in the finished work. Compliance with other requirements is the responsibility of the Contractor.

1. Stone Samples: Three (3) sets of each type of stone, containing three (3) 24 in. sq. x full thickness sample slabs of each type and finish of stone specified, indicative of the entire range of materials and their respective finishes. By submitting these samples, the Contractor certifies that the range of materials represented will be maintained throughout the Work.

2. Sealant Samples: 12 in. by 12 in. sample panels showing sealant materials for Architect's review and selection of jointing materials.

3. Mortar and Grout Samples: Samples of each type and color of mortar or grout for exposed joints, nominal 1/2 in. x 12 in. long.

4. Reinforcement and Anchorage Samples: one of each type.

C. Calculations: Submit the following for Architect's information.

1. Calculations indicating that the proposed exterior stonework system complies with the specified performance criteria. These calculations will not be construed as relieving the Contractor of the responsibility for complying with the specified mock-up and testing requirements.

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D. Quality Control Submittals: Submit the following for Architect's information.

1. Testing

a. Testing Procedures: A detailed description of testing procedures. Include data on testing equipment to be used, records showing most recent calibrations, drawings of test set-up and loading techniques and outline of loading sequences. Coordinate testing procedures and requirements with the Owner's Stone Testing Agency prior to submittal

b. Production Stone Testing Reports: Provide production stone testing reports in same format as preliminary stone testing reports.

c. Stone Panel Test Reports: Provide panel test reports in compliance with ASTM C1201 and as specified herein.

d. Stone Test Reports: For each stone variety proposed for use on Project, by a qualified testing agency, indicating compliance with required physical properties, other than abrasion resistance, according to referenced ASTM standards. Base reports on testing done within previous five years. Provide the following tests results for each stone variety:

1) Petrographic Analysis: ASTM C1721 "Standard Guide for Petrographic Examination of Dimension Stone"

2) Absorption and Density: ASTM C97; "Absorption and Bulk Specific Gravity of Natural Building Stone"

3) Compressive Strength: ASTM C170; "Compressive Strength of Natural Building Stone"

4) Modulus of Rupture: ASTM C99; "Modulus of Rupture of Natural Building Stone"

5) Flexure Strength: ASTM C880; "Flexural Strength of Natural Building Stone"

2. Certificates:

a. Document Review: Before commencing work, submit a written statement signed by the Contractor and the Installer certifying that the Contract Documents, shop drawings and product data have been reviewed with material manufacturers' qualified technical representatives and that they agree the selected materials are proper, compatible with contiguous materials and adequate for the application shown.

b. General: After review of samples by the Architect and prior to fabrication, certify in writing and submit evidence required indicating that a sufficient quantity of materials within the range of accepted mock-up materials is available from a single quarry to satisfy the total requirements of the Project.

c. Map of Quarry: Submit a schematic map of the quarry. Show location and benches intended for use in the production of stone for this Project.

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Indicate the location where submitted samples were selected from, location that preliminary test samples will be provided from and approximate full extent of area intended for quarrying. The map shall be reviewed and substantiated by the Owner's Stone Testing Agency prior to submittal.

d. Substrate Acceptability: Prior to commencing erection, submit a certified statement issued by the firm awarded the exterior stone wall Work attesting that areas to receive exterior stone walls have been inspected and found satisfactory for the reception of this Work; and are not in conflict with the "Warranty" requirements. Application will be construed as acceptance of surfaces.

3. Installer's Qualifications: Evidence of successful completion of work of similar scope to that shown and specified for this Project.

4. Fabricator's Qualifications: Evidence of successful completion of work of similar scope to that shown and specified for this Project.

E. Closeout Submittals: Submit the following for Owner's documentation.

1. Maintenance Manuals: Describing the materials, devices and procedures to be followed in cleaning and maintaining each specified type stone. Include manufacturer's data describing the materials and finishes used in the work.

F. LEED Submittal Requirements: Submit for Architect's information.

1. A completed GREEN BUILDING MATERIAL CERTIFICATION FORM (GBMCF), as specified in Section 01 81 15. Information to be supplied for this form shall include:

a. Cost breakdowns for the materials included in the Contractor or sub-contractor's work. Cost breakdowns shall include total cost plus itemized material costs.

b. Credit MR 4, Recycled Content: The amount of postconsumer and/or preconsumer recycled content.

c. Credit MR 5, Regional Materials: The weighted total travel distance calculated per Option 2.

2. GBMCF Back-Up Documentation: These documents are used to validate the information provided on the GBMCF (except cost data). For each material listed on the GBMCF, provide documentation to certify the material's attributes, as applicable:

a. Credit MR 4, Recycled Content: Provide published product literature or letter of certification on the manufacturer's letterhead certifying the amounts of postconsumer and/or preconsumer content.

b. Credit MR 5, Regional Materials: Provide published product literature or letter of certification on the manufacturer's letterhead indicating the city/state where (A) manufacturing plant is located, and (B) location of material extraction (raw, reused, and/or salvaged materials in the product were extracted, harvested or recovered). If only some of the raw materials for a particular product or assembly originate within the 500

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mile weighted travel distance to the project site, provide the percentage (by weight) that these materials comprise in the complete product.

c. Product cut sheets for materials appearing in the GBMCF. Cut sheets shall be submitted with the Contractor or sub-contractor's stamp, as confirmation that the submitted products are the products installed on the Project.

3. Contractor is required to collect all LEED submittal documentation from the project's subcontractors and assemble into one (1) package per Section or trade, on the GBMCF provided. Submit documentation in compliance with Section 01 81 13. Incomplete or inaccurate LEED submittals may be used as the basis for rejecting the submitted products or assemblies.

1.6 **QUALITY ASSURANCE**

A. General: The Contractor shall provide and maintain an effective Quality Control program and perform sufficient inspections, surveys and tests of items of Work, including those of other trades, to ensure compliance with the Contract Documents and local authorities having jurisdiction. Furnish appropriate facilities, accurately calibrated instruments and testing devices required to perform the quality control operations and with sufficient trained work forces to cover the construction operations within the actual construction sequences. Coordinate this Work with the quality control requirements of other technical Sections of the Specifications and with requirements of the Owner and governing authorities having jurisdiction.

B. Qualified Installer/Fabricator: The stonework shall be provided by a fabricator having 5 years experience engineering and fabricating stone units of similar sizes, shapes, materials, and finishes to the units required for this project. The fabricator shall have ample production facilities to produce, furnish and supply the units required for installation without delay to the Work.

C. Regulatory Requirements: Comply with applicable requirements of the laws, codes, ordinances and regulations of Federal, State and Municipal authorities having jurisdiction. Obtain necessary approvals from authorities having jurisdiction.

D. Quality Assurance Sequence of Stone Selection and Approvals: The sequence for stone selection, both stone wall facings and stone flooring, for quality assurance purposes, shall be completed in the following order. If approval is denied in any of the sequences, the current sequence shall be stopped until approval is given.

1. Initial Stone Sample Submission: To establish acceptable range, three (3) sets each, containing three (3) ½ size of the largest panel size x full thickness sample slabs.

2. Testing Of Stone: Testing of stone shall be completed simultaneously with stone sample submission specified above.

3. Block Review: Quarry visit by Architect and Owner for review and approval of stone blocks selected by Fabricator. Review of blocks at quarry may be waived at the discretion of the Architect.

4. Slab Review: Visit by Architect and Owner for review and approval of stone slabs prior to finishing and including some finished slabs and including initial visual mock-up as noted on the drawings.

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5. Dry-Set Layout Review: Factory visit by Architect and Owner for review and approval of stone slabs layout after finishing. Review shall include the following:

a. Approval of stone layout shall be implemented after finishing. Each elevation and corresponding elevations shall be reviewed in tandem in a method acceptable to the Architect and Owner.

b. Architect and Owner shall participate in review of dry-set layout periodically (generally beginning, middle and end of process) as related to visual aspects.

E. Mock-Ups:

1. Visual: Following acceptance of sample slabs and preliminary tests construct visual mock-ups as follows:

a. Wall Claddings and Facings: Provide mock-ups, size as shown or if not shown minimum 50 sq. ft., under finished Project lighting conditions, of each type of stone wall cladding and facing system, complete with the specified components and including typical penetrations such as wall outlets, light switches, and light fixtures.

b. Exterior Paving: Provide minimum 100 sq. ft. mock-up, placed on a setting bed to simulate final condition, direction of graining, and including a typical expansion joint with joint filler and sealant specified in Section 07 92 00 "Joint Sealants".

c. Interior Flooring: Provide minimum 100 sq. ft. mock-up, placed on setting bed to simulate final condition, types of stone, finishes, direction of graining, pointing mortar, grouting and sealant joint of stone flooring system.

2. Alter or revise mock-ups as directed, to the satisfaction of the Architect, at which time they shall remain as the standard of workmanship for the Project. Mock-ups, if approved, may be utilized in the final work. The approval of visual mock-ups does not constitute approval of deviations from the Contract Documents nor does it relieve the Contractor of its obligation to perform the work in accordance with the Contract Documents.

F. Pre-Installation Meeting: Prior to the start of the Work, meet at the Project site to review methods and sequence of stonework, special details and conditions, standard of workmanship, testing and quality control requirements, job organization and other pertinent topics related to the Work.

1.7 DELIVERY, STORAGE AND HANDLING

A. Packing, Shipping, Handling and Unloading: Carefully pack and load finished stone for shipment and take necessary precautions against damage in transit. Do not use material for blocking and packing which would cause staining or discoloration and exercise care to prevent staining during the storage period.

B. Storage and Protection: Deliver packaged setting materials in the original packages and containers of the manufacturer. Keep aggregate dry and free from soiling. Do not use cementitious materials that have become damp.

1.8 WARRANTY

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A. General: Warranties and guaranties specified in this Article shall not deprive the Owner of other rights the Owner may have under other provisions of the Contract Documents and are in addition to and run concurrent with other warranties made by the Contractor under requirements of the Contract Documents.

B. Special Warranty: Provide a five (5) written warranty addressed to the Owner and assignable to all future Owners within this warranty period, against water, leaks, or other defects of materials or workmanship. Upon notification of defects, within the warranty period, make the necessary repairs and replacements, at the convenience of the Owner. Warranty shall be signed by the Contractor and the single firm awarded the exterior stone walls work.

1.9 **MAINTENANCE**

A. Extra Materials: Furnish to Owner, at job site, 100 sq. ft. in selected sizes of each species and finish of stone type installed. Provide in cartons suitable for storage, along with storage instructions.

PART 2 - PRODUCTS

2.1 **STONE MATERIALS**

A. General: Provide stone of soundness (hardness and density), texture, graining, finish, crystal patterning, color and tone matching the sample in the Architect's office (and subject to the Architect's review) and satisfying the performance criteria specified. Stone shall be sound and free from cracks, seams, starts and other defects which will impair strength, durability, finish appearance and shall be supplied from a single quarry source, with sufficient capacity to satisfy the total requirements of the project.

1. Quarry and fabrication plant facilities shall be available for the Owner's and Architect's inspection at any time.

2. The Owner shall test stone in accordance with the requirements of Paragraph "Quality Control".

3. Visual Qualities of Stone: The color, grain and general character of stone provided shall be of a range consistent with the samples submitted to the Architect. Stone which, in the opinion and judgment of the Architect, fails to comply with this requirement may be rejected by the Architect at any time during the course of the Work. Markings or other defects such as striations, swirl marks, etc., due to machine processing shall be deemed unacceptable. The Contractor shall bear the costs associated with the removal and replacement of rejected stone with acceptable material.

B. Stone: Comply with ASTM C119, Natural Building Stone, in addition to the other reference standards specified for the respective species.

1. Granite: ASTM C615, granite building stone. Provide the following.

a. STN-1A: “Jet Mist” (Coldspring), honed finish.

b. STN-1B: “Jet Mist” (Coldspring), thermal finish.

c. STN-1C: “Virginia Mist” (ASN Natural Stone), thermal finish.

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2. Limestone: ASTM C568, limestone building stone. Provide the following:

a. STN-3: "Santa Maria" (Antolini), ~~***salvaged from estate in Montecito***~~. Contact: Robin Steudler, Granite Rock, (831) 392-3703. ***Equivalent regional stones may be acceptable provided stone matches the color range and texture of Carmel stone (King City stone, Monterey shale), meets performance requirements, and initial samples are submitted and approved by Architect.***

b. STN-4: "Minnesota Stone Dolomitic Limestone, color Glacier Buff" (Vetter Stone Company), veine cut.

2.2 MORTAR AND GROUT MATERIALS

A. Portland Cement: ASTM C150, Type I or Type II, except Type III may be used for cold-weather construction, domestic manufacturer; non-staining in accordance with the definition and test requirements of ASTM C91. Provide natural color or white cement as required to produce mortar color indicated.

1. Low-Alkali Cement: Portland cement for use with limestone shall contain not more than 0.60 percent total alkali when tested according to ASTM C114.

B. Hydrated Lime: ASTM C207, Type S.

C. Sand: Sand complying with ASTM C144 sieve size or white marble dust except for joints narrower than 1/4 in. and pointing mortar, use aggregate graded with 100 % passing No. 16 sieve.

D. Shrinkage Reducing Accelerator: "Sika Set" (Sika Corp.), or equal.

E. Mineral Coloring Pigments: Finely ground, synthetic, limeproof, non-fading mineral oxides having purity of 98%; maximum additive of 5% of the mortar cement by weight. .Subject to compliance with requirements, provide one of the following:

1. "SGS Mortar Colors" (Solomon Grind-Chem Service, Inc.)

2. "True Tone Mortar Colors" (Davis Colors Sub., Rockwood Industries)

3. "Bayferrox Iron Oxide Pigments" (Lanxess subdivision of Bayer Corporation)

4. "Custom Colors" (Lafarge Corporation.).

F. Latex-Modified Portland Cement Setting-Bed Mortar for Paving and Flooring: Factory portioned and mixed Portland cement, aggregate, fillers and latex additive for setting bed to comply with directions of latex additive manufacturer and as necessary to produce stiff mixture with a moist surface at time stone is set. Provide one of the following:

1. "Custom–Float Bedding Mortar", "Acrylic Mortar Admix" (Custom Building Products).

2. "Laticrete 226 Thick Bed Mortar", "Laticrete 3701 Admix" (Laticrete International).

3. "Mapecem 100", "Planicrete PM" additive (MAPEI).

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4. "TA–325 Quik Patch", "TA–861 Primer and Patch Additive" (TEC Incorporated).

G. Latex-Modified Portland Cement Thin Set Mortar for Installation Above Acoustical Underlayment on Existing Post-Tensioned Slab, Where Indicated: ANSI A118.4, liquid acrylic or SBR resin type latex modified cement mortar for thin set application. Factory proportioned cement, sand and polymer additives in dry blend to be mixed with water. Provide one of the following:

1. "254 Platinum" (Laticrete International, Inc.).

H. Mortar for Setting Stone Paving, Flooring, Risers and Treads: One part waterproof white Portland cement, four parts sand. Mix as dry as can be worked.

I. Grout for Paving and Flooring Joints: ANSI A118.6, polymer–modified cement grout suitable for use with stone. Factory proportioned cement, sand, polymer additives and alkali resistant non–fading mineral pigments in dry blend to be mixed with water. Grout color as selected by Architect. Use only enough water to produce grout with consistency of thick cream. Do not exceed pigment-to-cement ratio of 1-to-10, by weight. Provide one of the following:

1. "Polyblend Sanded Grout" (Custom Building Products).

2. "Laticrete Tri-Poly Fortified Sanded Grout 1500 Series" (Laticrete International).

3. "Keracolor S" (MAPEI).

4. "TEC AccuColor Premium Sanded Grout" (H.B. Fuller Construction Products, Inc.).

J. Water: Clear and free of deleterious material which would impair the Work.

2.3 ANCHORS, INSERTS AND SUPPORTS

A. Stone Anchors: Comply with applicable provisions of ASTM C1242; provide anchors embedded within stone in sizes, configurations and profiles as shown or as required to sustain imposed loads without exceeding allowable design stresses, and install anchorages and supports free from rattle or displacement.

1. Stone Anchors: ASTM A666, AISI Type 302 or 304 stainless steel, 3/16 in. minimum thickness. Provide stone anchors complying with the "Performance Requirements" specified.

2. Stone Tie Wire: No. 9 stainless steel wire.

3. Fasteners and Anchorage Devices: Type, grade, class and style best suited for the respective purpose.

a. Fasteners for Steel Subframe Components: ASTM A307, Grade A (ASTM F568, Property Class 4.6), for bolts; ASTM A563, Grade A, for nuts; and ASTM F436 for washers; either hot-dip or mechanically zinc coated.

b. Fasteners for Stainless Steel Stone Anchors: Annealed stainless-steel bolts, nuts, and washers of same alloy as anchors. ASTM F593 for bolts and ASTM F594, for nuts.

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B. Anchor Inserts: Provide inserts located in masonry or concrete for the attachment of stone anchors with capability to sustain, without failure, load imposed within factors of safety indicated for connections and in accordance with the following:

1. Wedge Inserts: "Wedge Inserts" (Hohman & Barnard) or equal, hot-dipped galvanized malleable iron with tee-shaped wedge action slots designed for askewed head bolts.

2. Miscellaneous Inserts: Hot-dipped galvanized or stainless steel. Provide units as shown or required for intended use.

C. Cushions, Setting Buttons and Setting Shims: Clear plastic shims and/or 50 Durometer neoprene pads non-staining, sized to suit joint thicknesses and bed depths of stonework involved without intruding into required depths of mortar joints or joint sealants or causing third-side adhesion between sealant and cushions.

2.4 AUXILIARY MATERIALS

A. Reinforcing Wire Fabric for Paving: Galvanized welded wire fabric, 2 in. by 2 in. - WO.3 by WO.3 (16 ASW ga. or 0.0624 inch dia.); comply with ASTM A185 and ASTM A82 except for minimum wire size.

B. Epoxy Cement: Two-part epoxy resin based adhesive in grade (liquid or knife grade) as recommended by manufacturer formulated specifically for bonding stone to stone, with an initial set time of not more than 2 hours at 70 deg F. for purpose intended. Provide one of the following:

1. "Akepox" (Akemi).

2. "Duralcrete Gel" (Tamms Industries).

3. "EVA-POX Quick Gel" (E-Poxy Industries).

C. Joint Filler: Filler as specified in Section 07 92 00 "Joint Sealants". Provide filler of dimensions in width as required to compress firmly into joints: in any case not less than 1/4 in. greater than the width of joints.

D. Abrasive Inserts: "Type WP1" (Wooster Products Inc.) or approved equal; 3/8 in. deep x 3/4 in. wide; 3 per tread; color as selected by Architect.

E. Acoustical Underlayment: Non-laminated, single-ply re-bonded, recycled rubber mat, UL Listed, ICC-ES certified, 3/8 in. thickness, minimum 2.08 lb/ft² weight, in manufacturer's standard width. Mat shall reduce Impact Sound Pressure Level (ΔL_w) by 21 dB per BN ES ISO 140-8. The following or equal:

1. "GenieMat RST-10" (Pliteq).

F. Polyethylene Film: 4-mil polyethylene film complying with ASTM D2103.

2.5 FABRICATION

A. Shapes and Dimensions: Accurately cut, dress, drill, fit and finish stone work to shapes and dimensions shown on Drawings and final shop and setting drawings. Make exposed plane surfaces true in line. Markings or other defects on finished stone panels such as striations, swirl marks, etc., due to machine processing shall be deemed unacceptable. Finish front face and four edges of stone.

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B. Cutting of Joints and Edges: Cut external corners with [quirk-miter] [gauged edge] joints where shown; cut other joints and edges square and at right angles to face, and with backs parallel to face. Make arises straight, sharp, true, and continuous at joints.

C. Cutting and Drilling of Stones: Cut and drill stones in shop as required for inserts. Cut slots and other recessed cutouts leaving smooth surfaces and eased intersections between changes of surfaces planes, free from sharp edges and arises, to reduce stresses. Drilling shall be undertaken without the use of percussive tools. Only diamond or tungsten tipped bits shall be used, together with appropriate cooling methods and drill speeds. All drilling shall be carried out in the factory using jigs.

D. Allowance for Expansion and Contraction: Allow for expansion and contraction within the limits of the joint material when cutting for anchorage devices.

E. Stone Thickness: Provide greater stone thickness than indicated where thicknesses indicated are insufficient for the sizes or where extent of cutouts shown decreases effective strength of the remaining material, or for proper and sufficient anchorage, suitable and adequate bearing areas or surfaces. The use of liners properly sized and secured to stone facing will be permitted only where shown on Drawings, and final shop drawings.

F. Inspection of Finished Stone: Carefully inspect finished stones at fabrication plant for compliance with requirements relative to qualities of appearance, material, finishing, and fabrication; replace defective stones with ones that do comply. Grade and mark stones for overall uniform appearance when assembled in place. Natural variations in appearance are acceptable if installed stones match range of colors and other appearance characteristics represented in approved samples and field-constructed mock-ups.

G. Dimensional Tolerances: Cut stonework to sizes shown, with square corners and parallel edges, unless otherwise shown and in accordance with the following tolerances:

1. Height: +/- 1/16 in.

2. Width: +/- 1/16 in.

3. Thickness: + 1/16 in. - 0.0 in.

4. Out of Square: +/- 1/16 in.

5. Exposed Face Flatness: +/- 1/16 in.

H. Stone Tiles: Shop-cut stone tiles with edges square and at right angles to face and with backs cut parallel with face. Make edges straight and true with arrises slightly eased. Finish exposed edges of stone tiles to match exposed face.

2.6 SOURCE QUALITY CONTROL

A. Contractor's Quality Control Responsibilities: Contractor is solely responsible for quality control of the Work.

B. Contractor's Testing: The Contractor shall have testing performed in an independent certified testing laboratory acceptable to the Owner and the Architect. Furnish the laboratory sufficient quantities of specimens to comply with referenced testing standards. Test stonework and furnish test reports for materials specified.

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1. Stone Testing: Stone testing shall be performed by the Owner as specified. The Contractor shall furnish access to the Work, stonework materials and facilities for the Owner's usage.

2. Aggregate Testing: Test aggregate as follows:

   a. Mortar Aggregate: ASTM C144.

3. Mortar Testing: Test mortar samples in accordance with ASTM C109. Test each mortar type and color each week as follows:

   a. Compressive Strength: Test nine cube specimens per occurrence for each mortar type and color as follows:

      1) Test hardened mortar cubes taken from field mixed mortar for each type and color at least once per week.

      2) Mix mortar and test hardened mortar cubes in laboratory from material samples from site. Mix mortar in accordance with ASTM C270.

2.7 OWNER'S MONITORING ACTIVITIES

A. Owner's Testing Agency: A testing agency, engaged at the Owner's expense, will perform the following activities to monitor the Contractor's Quality Control Program. The monitoring activities do not relieve the Contractor of responsibilities under the Contract.

1. The Owners shall retain a Quality Control Agent to perform testing and inspection services for the stonework required for the Project including but not limited to inspection and testing of stone wall at the project site and, if work is performed off site, inspection and testing of stone work in fabrication plants. Comply with Paragraph "Field Quality Control" specified.

2. Stone Testing, General

   a. Appropriately identify and label samples identifying the layer from which they come by number at the quarry immediately upon cutting. Use this numbering system as the basis for sample identification throughout the cutting, shipping and testing procedure.

   b. The minimum number of samples to be provided for testing shall be 20% greater than the number of tests specified to allow for breakage.

   c. Mark on the rift (bedding) surface of the stone samples immediately upon cutting at the quarry complying with the applicable ASTM standards. Samples which have not been marked will not be accepted for testing. Provide a cutting diagram for the Architect's record that describes where and from what layer the samples were cut from the quarry block and substantiating the rift markings by sample number.

3. Production Testing

   a. Stone samples and panels shall be produced from every fifth block throughout the quarrying operation, unless otherwise noted.

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b. Stone Tests: Provide the following tests:

1) Petrographic Analysis: Provide testing for all stone types per ASTM C1721 “Standard Guide for Petrographic Examination of Dimension Stone”: 1 test, number of specimens as required. Report shall include the following:

a) Mineralogy, including the percentage by volume of constituent mineral, their grain size and textural relationships.

b) Fissures, including density and direction of micro-cracking, and their relationship to the mineralogy.

c) Degree of weathering and the likely influence that this will have on the strength and durability of the stone.

d) Morphic mineralogy, particularly any minerals that are likely to cause rust spots or other surface discolorations on exposure.

e) Presence of any deleterious minerals that may influence the long term strength and durability of the stone.

2) Absorption and Density: Provide testing for stone type STN-3 per ASTM C97; "Absorption and Bulk Specific Gravity of Natural Building Stone": 3 tests each; 9 samples total.

3) Compressive Strength: Provide testing for all stone types per ASTM C170; "Compressive Strength of Natural Building Stone": 20 tests total; 5 tests each wet and dry, perpendicular and parallel to rift.

4) Flexure Strength: Provide testing for all stone types per ASTM C880; "Flexural Strength of Natural Building Stone": 200 total; 5 samples wet and 5 samples dry per test; 10 tests perpendicular to rift and 10 test parallel to the rift. Samples shall be the thickness of stone proposed for use on the Project. For stone that is to be flame finished on the Project, the samples shall be provided with a flamed finish and the tests shall be run with the flamed finish in tension.

5) Dynamic Coefficient of Friction: Provide testing for all stone flooring and paving per ANSI A137, DCOF AcuTest Method.

4. Panel Testing for Exterior Cladding: Test for the determination of the structural performance of stone panel assembly in accordance with ASTM C1201/ ASTM C1201M “Standard Test Method for Structural Performance of Exterior Dimension Stone Cladding Systems by Uniform Static Air Pressure Difference - Procedure B” and as follows:

a. Provide a minimum of 5 specimens replicating materials, material finishes, details and methods of construction and anchorage as used on the building.

b. Perform a minimum of 3 tests for each anchorage type. Panels and

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anchorage to be tested shall be representative of the maximum panel sizes and shapes proposed for the Project and shall be acceptable to the Architect.

c. Provide deflection measuring systems measured perpendicular to the stone surface at anchorage locations and at the position of maximum displacement. Provide additional locations for deflection measurement as required by the Architect.

d. Panel and anchor assemblies shall be accurately configured for testing to simulate Project conditions and details. The perimeter chamber seal shall be detailed such that it does not support the stone panel. When adhesives are used in conjunction with mechanical anchorage assemblies, testing shall be performed without the benefit of the proposed adhesive component.

e. Each assembly shall be tested under alternating positive and negative pressures in +\- 20 psf increments (not less than 4 equal increments to maximum test load) held for not less than 10 seconds to F.S.F. times design load.

f. If the pressure at failure of single test is less than the V.F. times the design load, or the average result of tests is less than the F.S.F. times the design load, the Architect may require that the anchorage assembly be modified.

PART 3 – EXECUTION

3.1 GENERAL

A. Manufacturer's Instructions: Prepare substrates and install the work of this Section, including components and accessories in accordance with the manufacturer's instructions, except where more stringent requirements are shown or specified, and where project conditions require extra precautions or provisions to ensure satisfactory performance of the Work.

3.2 EXAMINATION

A. Verification of Conditions: Examine the areas to receive the Work and the conditions under which the Work would be performed. Remedy conditions detrimental to the proper and timely completion of the Work. Do not proceed until unsatisfactory conditions have been corrected, including moisture protection, structural supports, provisions for expansion, or other condition which might affect the finished work in appearance, water tightness or integrity of the completed installation.

3.3 PREPARATION

A. Substrate Acceptability: Commencement of installation shall constitute acceptance of substrate conditions by the Installer.

B. Verify measurements and dimensions, coordinate the installation of inserts for this work and coordinate and schedule this work with the work of other trades. Give particular attention to the location and size of cutouts required to accommodate mechanical, electrical, and other work or adjoining construction, in accordance with the reviewed shop drawings for such trade.

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C. Review and approve shop drawings of items or assemblies related to the support or anchorage of stone work, including requirements for clearances for proper installation.

3.4 MORTAR MIX REQUIREMENTS

A. Mortar for Stone: Comply with ASTM C 270, Property Specification.

1. Mortar for Setting and Pointing Stone: Type N.

B. Comply with ASTM C270 for measuring and mixing of mortar materials and for retempering of mixed mortar. Use accurate measuring devices to mix materials by volume. The use of shovels for measurement is prohibited. Mix colored mortars separately to prevent contamination from each other mortar. Mix only sufficient mortar as required at a given time. Retemper stiffened mortar as required, except discard mortar not utilized within 2 hrs. of initial mixing.

C. Pointing Mortar:

1. Initially mix mortar ingredients dry to a uniform color. Add only sufficient water to produce a damp, unworkable mix which will retain its form when pressed into a ball. Select and proportion pigments with other ingredients to produce color required.

2. Allow mixed mortar to stand for not less than one (1) hr. and not more than one and one-half (1-1/2) hrs. for pre-hydration.

3. Add sufficient water to the pre-hydrated mortar mix to achieve a stiff working consistency. Re-temper mixed mortar to replace evaporated water as required.

4. Discard mixed mortar not used within two and one-half (2-1/2) hrs. after initial mixing.

3.5 INSTALLATION

A. Furnishing of Items Requiring Building In to Work and Location Drawings: Furnish inserts and other items requiring building in to concrete or masonry work, along with location drawings, in sufficient time so as not to delay job progress.

B. Setting, Anchoring and Pointing of Stone: Set, anchor and point stone in accordance with applicable requirements and specifications of the trade association referenced in Paragraph "Standards" unless otherwise shown or specified.

C. Setting of Stone According to Final Setting Drawings: Set stone in accordance with final setting drawings, level, plumb, square, and true with uniform joints, accurately aligned with grain running in the direction shown.

D. Field Cutting Quality: The quality of field cutting shall be the same as for shop cutting. Dry cutting of stone will not be permitted.

E. Instructions for Anchorage and Installation: Provide dowels, anchors and wire ties in sufficient quantity to eliminate "rattle" or loose pieces and to ensure a rigid installation. Extent of anchorage and installation details shown are intended to indicate minimum requirements. In general, a minimum of one anchor per 2 ft.^{2} of area is required, with additional anchorage provided where necessitated by size, thickness, setting or shape (unless calculations and testing indicate fewer anchors are required).

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1. Adhesives, when utilized shall not be allowed to contribute to the structural capacity of the anchor assembly.

2. Secure all nuts used in connections to prevent loosening during the life of the installation. The length of bolt shall be such that at least one clear thread shows above the nut after tightening, and at least one thread plus the thread run out shall be clear between the nut and the unthreaded shank of the bolt.

F. Erection Tolerances:

1. Variation from Plumb: +/- 1/8 in. in 10 ft., 1/4 in. in story height, noncumulative

2. Variation from Level: +/- 1/8 in. in any bay or for lintels, sills, parapets, copings and other horizontal lines: 20 ft., noncumulative.

G. Match finished work to visual mock-ups in all respects.

H. Joint Widths: Make joint widths, unless otherwise shown, as follows:

1. Exterior cladding, facing and copings: 1/4 in. +/- 1/16 in. unless otherwise shown.

2. Exterior paving: 1/4 in. unless otherwise shown.

3. Interior flooring: 1/16 in. maximum unless otherwise shown, except 1/4 in. at sealant joints

I. Exterior Cladding and Copings:

1. Set relieving angles as required for proper support of stone. Before setting, clean stones and backing. Before setting in mortar saturate with water.

2. Set stone with two cushions per stone in every horizontal joint, extending full depth of stone and to within the dimension from the face as required to permit installation of compressible rod and sealant. Alternate the installation of cushions using plastic in one horizontal course and neoprene in the next joint. Secure with anchors, dowels, cramps, etc., as required for rigid and secure installation. Fill anchorage holes with accelerated setting mortar. Rigidly secure strap anchors to the backing.

3. Repair dampproofing and flashing materials to their original condition where they have been punctured by anchorage or damaged during setting.

4. Keep cavities behind facing free of mortar or other foreign material.

J. Flooring and Paving (Mortar Set):

1. Saturate concrete with clean water several hours before placing setting bed. Remove surface water about one hour before placing setting bed.

2. Apply cement-paste slush coat over surface of concrete about 15 minutes before placing setting bed. Limit area of slush coat to avoid its drying out before placing setting bed. Do not exceed 1/16 in. thickness for cement-paste slush coat.

3. Apply mortar setting bed over cement-paste slush coat immediately after slush

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coat has been applied. Spread and screed setting bed to uniform thickness at subgrade elevations required for accurate setting of stone to finished grades indicated. Mix and place only as much mortar setting bed as can be covered with stone before initial set. Cut back, bevel edge, remove, and discard setting-bed material that has reached initial set before placing stone.

4. Place reinforcing wire fabric, lapped at joints by at least one full mesh and supported so mesh becomes embedded in middle of setting bed. Do not butt edges against vertical surfaces.

5. Place stone before initial set of cement occurs. Immediately before placing stone on setting bed, apply uniform 1/16 in. thick, slurry bond coat to bed or to back of each stone unit with a flat trowel. Tamp stone into setting bed with mallet until firmly bedded to the proper level. Set each unit in a single operation before initial set of mortar; do not return to areas already set and disturb stone for purposes of realigning finished surfaces or adjusting joints.

6. Where grinding is required to completely align and level joints, permit a minimum of six days of setting time to elapse before commencing. Perform grinding by wet abrasion, in a manner as to retain the finish, to match the balance of stone paving, and so as to be free of depressions and grind marks. Exercise care to avoid damage or soiling of adjacent work.

7. Grout joints as soon as possible after initial set of setting bed. Force grout into joints, taking care not to smear grout on adjoining stone and other surfaces. After initial set of grout, finish joints by tooling to produce a slightly concave polished joint, free from drying cracks. Do not use sanded grout for polished stone. Cure grout by maintaining in a damp condition for 7 days, except as otherwise recommended by latex additive manufacturer.

K. Paving (Thin Set) Over Acoustical Underlayment:

1. Ensure that hot fluid applied rubberized asphalt waterproofing is completely cured and protection course installed in accordance with Section 07 14 13 “Hot Fluid-Applied Rubberized Asphalt Waterproofing” and manufacturer’s recommendations before proceeding with stone paving Work.

2. Install acoustical underlayment per manufacturer’s instructions. Areas to receive acoustical underlayment should be weather tight and maintained at a minimum uniform temperature of 65°F for 48 hours before, during, and after the installation. Install insulation and polyethylene film where shown.

3. Apply uniform 1/4 in. thick, latex-modified Portland cement thin set mortar coat to acoustical underlayment. Tamp stone into setting bed with mallet until firmly bedded to the proper level. Set each unit in a single operation before initial set of mortar; do not return to areas already set and disturb stone for purposes of realigning finished surfaces or adjusting joints.

4. Grout joints as soon as possible after initial set of setting bed. Force grout into joints, taking care not to smear grout on adjoining stone and other surfaces. After initial set of grout, finish joints by tooling to produce a slightly concave polished joint, free from drying cracks. Do not use sanded grout for polished stone. Cure grout by maintaining in a damp condition for 7 days, except as otherwise recommended by latex additive manufacturer.

L. Installation Tolerances for Flooring and Paving

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1. Variation in Line: For position shown in plan and continuous joint lines, do not exceed 1/8 in. in 8 ft., 1/4 in. in 20 ft., or 3/8 in. maximum.

2. Variation in Surface Plane of Flooring: Do not exceed 1/8 in. in 10 ft, 1/4 in. in 20 ft., or 3/8 in. maximum from level or slope indicated.

3. Variation in Joint Width: Do not vary joint thickness more than 1/16 in. or one-fourth of the nominal joint width, whichever is less.

4. Variation in Plane between Adjacent Units (Lipping): Do not exceed 1/32 in. difference between planes of adjacent units.

3.6 FIELD QUALITY CONTROL

A. Contractor's Quality Control Responsibilities: Contractor is solely responsible for quality control of the Work.

B. Water Penetration Test: After completion of the installation and nominal curing of sealant and glazing compounds, test for water leaks in accordance with "Specifications for Field Check of Metal Curtain Walls for Water Leakage", AAMA Standard 501.2, except perform one test. Conduct tests in the presence of the Owner, the Owner's Independent Testing Agency and the Architect. Correct deficiencies observed as a result of this test.

3.7 OWNER'S MONITORING ACTIVITIES

A. Owner's Testing Agency: A testing agency, engaged at the Owner's expense, will perform the following activities to monitor the Contractor's Quality Control Program. The monitoring activities do not relieve the Contractor of responsibilities under the Contract.

B. Owner's Testing and Inspection Program: Testing and inspection will be performed by an independent testing agency retained by the Owner. Furnish materials and access to the Work as required by the Owner's Testing Agency.

1. The Owners shall retain a Quality Control Agent to perform field testing and inspection services for the exterior wall work required for the Project including but not limited to inspection and testing of exterior stone wall work at the project site and, if work is performed off site, inspection and testing of exterior stone wall work in fabrication plants.

2. The Owner's independent testing agency work includes but is not limited to the following:

a. Weld Testing: Non-destructive testing of exterior stone wall supports and anchor welds, utilizing one of the following test methods which best suits the types of welds to be tested.

1) Liquid penetrant test.

2) Magnetic particle test.

3) Radiographic test.

4) Ultrasonic test.

b. Paint Testing: Perform tests to determine the total dry film thickness of

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coatings applied to painted ferrous metal support and anchorage members. Shop and Site test units at random throughout construction.

c. Inspection Compliance: Verification of the compliance of; or the deficiencies of the following:

1) Building Superstructure: Examination surveys of the superstructure substrates and supports to receive the exterior stone wall and applicable corrective work performed, if any. Verification that the supporting structure is properly aligned and within the designed tolerances and without missing or mislocated inserts.

2) Exterior Stone Wall Framing Components: Verification that the framing components are properly sized and aligned, are without missing or mislocated anchoring provisions and are without structural defects. Verification that primed and painted components are provided with the specified materials.

3) Connections and Anchors: Verification that anchors are properly placed, welded or bolted. Verification that correct anchoring and/or materials are used in lieu of others where there are field changes. Inspection of welding and bolting where connections are stressed to 50% or more of allowable values. Verification of the calibration of wrenches, review of bolting procedures and inspection of joint surfaces prior to bolting for bolted connections related to the exterior stone wall. Verification of welder's license, qualifications and welding procedures for welds related to the exterior stone wall. Verification of proper welding or bolting of reset connections.

4) Joints and Sealants: Verification that horizontal and vertical movement joints have been provided, and verification that joints are free from obstructions. Confirmation that accepted sealant materials are provided. Verification that sealant joints are properly sealed, and that materials are of sufficient elongation for movement anticipated. The recording of unanticipated movement or displacement beyond performance criteria.

5) Flashings and Drainage: Verification that flashings are the proper materials, are properly installed and that end dams are sealed. Verification that weeps and tubes are installed and are functional.

6) Firebarrier and Safing: Verification of the continuity of firebarrier, insulation and fire safing installation. Verification that the firebarrier and safing is properly sealed at joints and penetrations to maintain the continuity of the barrier at the exterior stone wall.

7) Exterior Stone Wall Insulation: Verification that insulation is continuous and properly sealed at joints and penetrations to maintain the continuity of the vapor barrier.

d. Observation Compliance of Exterior Stone Wall Subcontractor's Testing Program:

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1) Field Tests: Observation, as the Owner's representative, of field testing of exterior stone wall assembly, for the required Field Water Test: AAMA 501.2 as specified below.

3.8 **ADJUSTING**

A. The completed installation shall have the acceptance of the Architect. Installed units which are chipped, cracked, or otherwise damaged or which, in the opinion of the Architect, do not conform to the Specification requirements shall be removed and replaced.

3.9 **CLEANING**

A. Cleaning of Stone: Immediately prior to completion of the Work clean stone by washing with water and bristle brushes; removing stains, dirt and other discolorations. Do not use acids, cleaning compounds or wire brushes.

B. Removal of Temporary Protection: On completion of construction, remove temporary protection.

3.10 **PROTECTION**

A. Non-Staining Temporary Guards: After initial cleaning, provide non-staining temporary guards at corners and other surfaces subject to damage.

B. Rope Off of Paving and Flooring: Rope off paving and flooring to permit curing of setting bed.

C. Protection of Work from Damage: Protect work from damage due to subsequent building operations.

END OF SECTION

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SECTION 08 70 00

DOOR HARDWARE

PART 1 - GENERAL

1.1 SUMMARY

A. General: Provide hardware in accordance with requirements of the Contract Documents.

B. Related Work Specified Elsewhere

1. Section 01 81 13 “Sustainable Design Requirements” for additional Leadership in Energy and Environmental Design (LEED®) certification-related references, definitions, documentation requirements, action plans, meetings, and performance requirements of products and systems.

2. Cabinet hardware is specified in Section 06 40 00 “Architectural Woodwork”.

3. Steel doors and frames are specified under Section 08 11 13 “Hollow Metal Doors and Frames”.

4. Wood doors are specified under Section 08 14 00 “Wood Doors”.

5. Except for master keyed cylinders, hardware for exterior entrance doors is specified Section 08 41 00 “Glazed Walls and Entrances”.

6. Smoke detectors, fire control systems, wiring for electromechanical locks, electromagnetic holders, card access, door control, annunciation systems and like systems is specified in various Division 26 specification sections.

1.2 REFERENCES

A. General: Comply with the applicable provisions of the referenced standards except as modified by governing codes and the Contract Documents. Where a recommendation or suggestion occurs in the referenced standards, such recommendation or suggestion shall be considered mandatory. In the event of conflict between referenced standards, this specification or within themselves, the more stringent standard or requirement shall govern.

B. American National Standards Institute (ANSI): "Builders Hardware and Specialties" - ANSI/BHMA A156 (Complete Series).

C. Door and Hardware Institute (DHI)

1. "Sequence and Format for the Hardware Schedule".

2. "Recommended Locations for Arch. Hardware for Standard Steel Doors and Frames".

3. “Recommended Locations for Arch. Hardware for Flush Wood Doors”.

4. "Keying Procedures, Systems and Nomenclature".

D. National Fire Protection Association (NFPA)

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1. "Life Safety Code" - NFPA 101.

2. "Fire Doors and Windows" - NFPA 80.

E. Underwriter's Laboratories (U.L.)

1. Safety - "UL Accident Equipment List".

2. Fire Rating - "Building Materials Directory".

F. U.S. Architectural & Transportation Barriers Compliance Board's “ADA-ABA Accessibility Guidelines” and ICC/ANSI A117.1.

1.3 SYSTEM DESCRIPTION

A. Design Criteria

1. Accessibility Requirements: For hardware on doors in an accessible route, comply with the U.S. Architectural & Transportation Barriers Compliance Board's “ADA-ABA Accessibility Guidelines” and ICC/ANSI A117.1.

a. Provide operating devices that do not require tight grasping, pinching, or twisting of the wrist and that operate with a force of not more than 5 lbf.

b. Comply with the following maximum opening force requirements:

1) Interior, Non-Fire-Rated Hinged Doors: 5 lbf applied perpendicular to door.

2) Sliding or Folding Doors: 5 lbf applied parallel to door at latch.

3) Exterior, Non-Fire-Rated Hinged Doors: 5 lbf applied perpendicular to door.

4) Exterior, Fire-Rated Hinged Doors: 15 lbf applied perpendicular to door.

c. Bevel raised thresholds with a slope of not more than 1:2. Provide thresholds not more than 1/2 inch high and 3/4 inch high for exterior sliding doors.

d. Adjust door closer sweep periods so that, from an open position of 70 degrees, the door will take at least 3 seconds to move to a point 3 inches from the latch, measured to the leading edge of the door.

B. LEED Performance Requirements

1. Credit MR 4, Recycled Content: The postconsumer and/or preconsumer recycled content (by weight) of the major components shall be identified and documented.

a. Provide metal materials with minimum 25% total recycled content.

2. Credit MR 5, Regional Materials: The manufacturing locations and origin of raw and salvaged materials shall be identified and documented.

3. Credit IEQ 4.1, Low-Emitting Materials, Adhesives and Sealants: All field-applied

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adhesives and sealants used on the interior of the building shall meet the volatile organic compound (VOC) and chemical component limitations as defined in Section 01 81 13 "Sustainable Design Requirements". VOC contents shall be identified and documented.

1.4 DEFINITIONS

A. Hardware Definitions and Identification: Each item of hardware is specified utilizing a hardware definition, a manufacturer's name and catalog number in "PART 2 - PRODUCTS", and the hardware for doors is listed by Sets in Section 08 70 10 “Hardware Set Schedule”.

B. Abbreviations: The following abbreviations are used in the text:

H.O.	Hold open	N.H.O.	Non Hold Open
S.H.O.	Selective Hold Open	A.H.O.	Automatic Hold Open
DA	Delayed Action	HC	Handicapped Accessible
FS	Fail Safe	FSE	Fail Secure
EM	Electrified Mortise	ER	Electrified Rim
EL	Electric Latch Retraction	RQE	Request to Exit
RX	Request to Exit	ALR	Alarm/Remote Monitoring
SS	Signal Switch		

1.5 SUBMITTALS

A. Product Data/Catalog Cuts: Submit for Architect’s action. Prior to preparation of hardware schedule, submit manufacturer’s catalog cuts, technical literature, specifications and installation instructions describing the general properties of each hardware item, material and accessory to be used in the Work. Identify each item, and include the Architect's hardware set number.

B. Samples: Submit for Architect’s action. Submit samples of each item of exposed hardware used, labeled and identified by the Architect's hardware set. Samples will be reviewed for color and appearance only. Furnish sufficient samples to establish the full range of colors and textures for materials exposed in the finished work. Acceptable undamaged samples will be delivered to the project site for field comparison and may be incorporated into the Work after completion of the review process and within limitations of keying requirements. Compliance with other requirements is the responsibility of the Contractor.

C. Hardware Schedule: Submit, for Architect’s information. Provide a detailed hardware schedule conforming with DHI's publication "Sequence and Format for Hardware Schedule", include in each door description: a door number consisting of the column grid location to the nearest tenth and drawing sheet number. Schedule the project in an orderly fashion, by floors or building section as defined by the Door and Hardware Schedule. Identify each item of hardware by including the Architect's hardware Set, and include the following:

1. Type, style, function, size, label, hand, and finish of each door hardware item.

2. Manufacturer of each item.

3. Fastenings and other pertinent information.

4. Explanation of abbreviations, symbols, and codes contained in schedule.

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5. Mounting locations for door hardware.

6. Door and frame sizes and materials.

7. Description of each electrified door hardware function, including location, sequence of operation, and interface with other building control systems.

D. Templates: Submit for Architect's information. Submit with the supplier's hardware schedule, manufacturer's templates for each hardware item, properly identified and marked with the Architect's Set Number in time for fabrication and installation. Furnish complete sets of manufacturer's templates with final hardware schedule to trades fabricating products to receive hardware.

E. Wiring Diagrams: Submit for Architect's information. Furnish wiring diagrams and product data, properly identified and marked with the Architect's identifying set, along with final hardware schedule, to the trades providing wiring, preparing products for installation and installing electrical hardware. Furnish a schematic diagram for each door equipped with electrical devices, showing connections, operation and relative locations of hardware and components.

F. Keying Schedule: Submit for Architect's information. After reviewing project requirements with the Owner's representative, submit, as part of the final hardware schedule, a keying schedule conforming to the DHI publication "Keying Procedures, Systems and Nomenclature".

G. Quality Control Submittals: Submit for Architect's information.

1. Certificates

a. Document Review: Before commencing work, submit a written statement signed by the Contractor and the hardware Installer certifying that the Contract Documents, hardware schedule, keying schedule and product data have been reviewed with individual hardware manufacturers' qualified technical representatives and that they agree the selected hardware is proper and adequate for the applications shown.

b. Submit documentation of hardware supplier's qualification and certification of scheduling and coordinating personnel.

c. Submit product certificates signed by manufacturers of electrified door hardware certifying that products furnished comply with requirements.

d. Certifications that door hardware approved for use on types and sizes of labeled fire doors complies with listed fire door assemblies.

H. Closeout Submittals: Submit, for Owner's documentation.

1. Warranties: Special warranties specified in this Section.

2. Two (2) printed and bound copies of operation instructions and maintenance data for all items in accordance with Section 01 70 00 "Execution and Closeout Requirements". Furnish a complete set of specialized tools and maintenance instructions as needed for Owner's continued adjustment, maintenance, and removal and replacement of door hardware.

I. LEED Submittal Requirements: Submit for Architect's information.

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1. A completed GREEN BUILDING MATERIAL CERTIFICATION FORM (GBMCF), as specified in Section 01 81 15. Information to be supplied for this form shall include:

   a. Cost breakdowns for the materials included in the Contractor or sub-contractor's work. Cost breakdowns shall include total cost plus itemized material costs.

   b. Credit MR 4, Recycled Content: The amount of postconsumer and/or preconsumer recycled content.

   c. Credit MR 5, Regional Materials: The manufacturing location and raw, reused, and salvaged material sources of the materials and products.

   d. Credit IEQ 4.1, Low-Emitting Materials, Adhesives and Sealants: The VOC content of all interior and field-applied adhesives and sealants.

2. GBMCF Back-Up Documentation: These documents are used to validate the information provided on the GBMCF (except cost data). For each material listed on the GBMCF, provide documentation to certify the material's attributes, as applicable:

   a. Credit MR 4, Recycled Content: Provide published product literature or letter of certification on the manufacturer's letterhead certifying the amounts of postconsumer and/or preconsumer content.

   b. Credit MR 5, Regional Materials, Raw Materials: Provide published product literature or letter of certification on the manufacturer's letterhead indicating the city/state from which each of the raw, reused, and/or salvaged materials in the product were extracted, harvested or recovered, and the distance in miles from the project site. If only some of the raw materials for a particular product or assembly originate within 500 air miles of the project site, provide the percentage (by weight) that these materials comprise in the complete product.

   c. Credit IEQ 4.1, Low-Emitting Materials, Adhesives and Sealants: Submit printed documentation demonstrating compliance with specified performance requirements.

   d. Product cut sheets for materials appearing in the GBMCF. Cut sheets shall be submitted with the Contractor or sub-contractor's stamp, as confirmation that the submitted products are the products installed on the Project.

3. Contractor is required to collect all LEED submittal documentation from the project's subcontractors and assemble into one (1) package per Section or trade, on the GBMCF provided, for review by the Sustainability Consultant. Submit GBMCF and Back-Up Documentation within 30 days of awarded contract. Incomplete or inaccurate LEED submittals may be used as the basis for rejecting the submitted products or assemblies.

1.6 **QUALITY ASSURANCE**

A. Qualifications:

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1. Product Qualification: Provide hardware of each category from a single manufacturer. Specified manufacturers and their product catalog numbers establish the standard of quality and design required for the various categories, and equivalent products by other manufacturers may be acceptable, subject to Architect's review of their equivalency.

    a. No names, designs, or labels will be permitted to be exposed on the following items: Face of cylinders, turnpieces or operating trim of lock sets or latch sets, push bars, pull handles, plates, case covers of surface applied closing devices, underside of door holder arms, and exit devices.

    b. Provide electrified door hardware from same manufacturer as mechanical door hardware, unless otherwise indicated. Manufacturers that are listed to perform electrical modifications, by a testing and inspecting agency acceptable to authorities having jurisdiction, are acceptable.

2. Hardware Supplier's Qualification: The company furnishing hardware for this project shall have been regularly engaged for 5 years in the sale and distribution of hardware for projects of comparable size and scope. The person responsible for overseeing the scheduling, detailing, ordering and coordinating of hardware shall be a certified AHC or DAHC of the Doors and Hardware Institute, and shall be available for consultation with the Architect, at no additional cost to the Owner, during progress of construction.

3. Electrified Door Hardware Supplier Qualifications: An experienced door hardware supplier who has completed projects with electrified door hardware similar in material, design, and extent to that indicated for this Project, whose work has resulted in construction with a record of successful in-service performance, and who is acceptable to manufacturer of primary materials. Prepare data for electrified door hardware, including shop drawings, based on testing and engineering analysis of manufacturer's standard units in assemblies similar to those indicated for this Project.

B. Regulatory Requirements: Comply with applicable requirements of the laws, codes, ordinances and regulations of Federal, State and Municipal authorities having jurisdiction. Obtain necessary approvals from such authorities. Where hourly fire ratings are shown for openings, furnish hardware complying with the requirements of governing codes and regulatory agencies.

1. Fire-Rated Door Assemblies: Assemblies complying with NFPA 80 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for fire ratings indicated, based on testing according to NFPA 252. Test Pressure: Test at atmospheric pressure After 5 minutes into the test, neutral pressure level in furnace shall be established at 40 in. or less above the sill.

C. Pre-Submission Meeting: Prior to submission of Hardware Schedule, arrange a meeting, attended by Contractor, Architect, Subcontractor, Manufacturers' representatives, Security Consultant and any other subcontractors whose work requires coordination with this Work. At this meeting review product selections, submittal requirements and coordination of the Work with other trades.

D. Pre-Installation Meeting: Prior to the start of the Work meet at the Project site to review methods and sequence of hardware installation, special details and conditions, standard of workmanship, job organization and other pertinent topics related to the Work.

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E. Hardware Installation Training: After delivery of hardware to project site, but before installation of the hardware, coordinate and schedule hardware installation training. The training will be conducted on the installation of locksets, door closers, exit devices, overhead stops and electromechanical hardware. The manufacturer's representative for each of the above product categories shall conduct the training on the job site with the installers of wood, hollow metal and aluminum doors in attendance. Any installer working with low voltage wiring of electromechanical hardware shall be in attendance.

F. Maintenance Service: Beginning at Substantial Completion, provide six months' full maintenance by skilled employees of door hardware Installer. Include quarterly preventive maintenance, repair or replacement of worn or defective components, lubrication, cleaning, and adjusting as required for proper door hardware operation. Provide parts and supplies as used in the manufacture and installation of original products.

1.7 DELIVERY, STORAGE AND HANDLING

A. Delivery of Hardware: Deliver hardware at the job site in the manufacturer's unopened labeled containers, marked with the opening number and the Architect's identifying Hardware Set. Inventory door hardware on receipt and provide secure lock-up for door hardware delivered to Project site.

B. Storage of Hardware: Store in a clean, dry, lockable secure space so that hardware will be free of damage at the time of installation.

C. Delivery of Keys

1. Deliver construction masterkeys with locksets.

2. Place sets of change keys in suitable envelope tagged and marked with the change number and door designation. Deliver change keys in key control cabinet. Send masterkeys, grand-masterkeys and great grand-masterkeys directly to the Owner by registered mail.

1.8 WARRANTIES

A. General Warranty: Special warranties specified in this Article shall not deprive Owner of other rights Owner may have under other provisions of the Contract Documents and shall be in addition to, and run concurrent with, other warranties made by Contractor under requirements of the Contract Documents.

B. Special Warranty for Hardware: Submit a (3) three year written warranty, executed by each manufacturer agreeing to repair or replace components of door hardware that fail in materials or workmanship within specified warranty period. Failures include, but are not limited to, the following:

1. Structural failures including excessive deflection, cracking, or breakage.

2. Faulty operation of operators and door hardware.

3. Deterioration of metals, metal finishes, and other materials beyond normal weathering.

C. Special Warranty Period for Exit devices: 5 years from date of Substantial Completion.

D. Special Warranty Period for Electromagnetic Delayed-Egress Locks: 5 years from date of

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Substantial Completion.

E. Special Warranty Period for Manual Closers: 10 years from date of Substantial Completion.

F. Special Warranty Period for Concealed Floor Closers: 5 years from date of Substantial Completion.

1.9 **MAINTENANCE**

A. Surplus Material: Turn over to the Owner at project completion surplus material, including screws, fasteners and special installation tools furnished with the hardware.

B. Extra Stock

1. Hardware: Furnish 2% additional of each of the following items of hardware required on the project, but not less than one of each item. Deliver additional hardware directly to the Owner.

a. Hinges
b. Pivots
c. Floor Closers
d. Locksets and Latchsets
e. Surface Closers
f. Stops

2. Fasteners: Furnish three dozen additional screws and other fasteners of each type, size and finish used with the hardware items. Deliver additional screws and fasteners directly to the Owner.

PART 2 - PRODUCTS

2.1 **DOOR HANGING ITEMS**

A. General: Furnish door hanging items in quantities and sizes conforming to manufacturer's recommendations for door weight, height, width and thickness, and furnish U.L. listed items for labeled doors.

B. Hinges - Full Mortise Concealed Ball Bearing: BHMA A156.1; Standard and heavy weight template hinges with three-knuckle, concealed vertical and thrust anti-friction type bearing at both joints.

1. Non-rising pins, flat button or flush tips unless otherwise specified. Stainless steel pins in non-ferrous bearing hinges. Non-removable pins for outswinging security doors and outswinging exterior doors.

2. Special swaged hinges where doors are set back in jamb.

3. Furnish fully concealed circuit, tamper-resistant, wired hinges at doors requiring power transfer from jamb to door. Furnish junction box and mortar shield for use with each electric concealed wired hinge and ship directly to the hollow metal manufacturer for installation on frame.

4. Butt Hinge Sizes for 1-3/4 in. Door Thickness:

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Door Width	Hinge Size (H x W)
36 in. and less	4-1/2 in.x 4 in. or 4-1/2 in.
37 in. to 41 in.	5 in. x 4 in. or 4-1/2 in.
42 in. to 47 in.	5 in. x 4-1/2 in.

5. Acceptable Manufacturers: Provide hinges from one of the following manufacturers for the entire project:

   a. Ives

   b. Stanley

   c. Hager

C. Pivots

1. Description: BHMA A156.1; Sets, weight and quantity to suit manufacturer's recommendations for door weight, height, width and thickness, with extended spindles where to suit door under-cut, floor finish or other special conditions, 1-1/2 in. offset and special pivot layout where condition requires, UL listed pivot sets for labeled doors.

2. Pivot Sets - Offset Hung: Top and bottom standard, heavy and extra heavy weight, bottom arm of steel with plated wrought cover. Full mortise top pivot and floor plate of cast brass or bronze and steel for fire rated doors.

   a. Acceptable Manufacturers: Provide offset hung pivot sets from one of the following manufacturers for the entire project:

      1) Rixson

      2) Dorma

      3) Ives

3. Intermediate Pivots - Offset Hung: Cast brass or bronze and steel for labeled doors. Screw pattern layout to straddle lead-lining of door. Furnish where required fully concealed circuit, tamper-resistant wired pivots at doors requiring power transfer from jamb to door. Furnish junction box and mortar shield for use with each electric concealed wired hinge and ship directly to the hollow metal manufacturer for installation on frame. Furnish where required intermediate offset pivots as part of set with floor and overhead concealed closer or top and bottom pivot sets.

   a. Acceptable Manufacturers: Provide offset hung intermediate pivots from one of the following manufacturers for the entire project:

      1) Rixson

      2) Dorma

      3) Ives

4. Pivot Sets - Center Hung: Adjustable "walking-beam" top pivot with needle bearing of steel with brass or bronze plated cover. Bottom pivot arm of steel and

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ball bearing floor plate of brass or bronze. Furnish fully concealed circuit, tamper-resistant wired top pivot at doors requiring power transfer from jamb to door.

a. Acceptable Manufacturers: Provide center hung pivot sets from one of the following manufacturers for the entire project:

1) Rixson

2) Dorma

3) Ives

D. Pivot Floor Closers

1. Description: BHMA A156.4; Shallow or full depth floor closers (offset hung, center hung, independently hung, electromagnetic hold open and pair in one case) with full controls, latching, closing speed and hydraulic backcheck with positive stop. Furnish selective hold open (S.H.O.) or automatic hold open (A.H.O.) where called for, with delayed action (DA) and handicapped access requirements (HC). Include appropriate top and intermediate pivot. Size closer to suit manufacturer's recommendations for door weight, height, width and thickness, providing standard duty, heavy duty and extra heavy duty where required.

a. Furnish cement case with temporary cover plate of steel or black iron for protection until the completion of floor finishing. Replace with a permanent heavy gage coverplate matching specified finish or a cover pan for use at areas having travertine, stone and other hard surface floors as detailed.

b. Furnish extended spindles with floor pan where required for special head and floor conditions. Furnish 1-1/2 in. offset and special layout for pivot set where required by detail. Provide concealed fasteners and no-visual adjustment screws. Furnish UL listed pivots for labeled doors.

c. Acceptable Manufacturers: Provide pivot floor closer sets from one of the following manufacturers for the entire project:

1) Rixson (exterior and interior)

2) Dorma (interior only)

E. Overhead Closers - Concealed: BHMA A156.4; Center and offset hung door closers with full controls, closing and latching speed for single and double acting and hydraulic backcheck on single acting doors. Hold-open "H.O." where called for. Size closer as recommended by manufacturer.

1. Closers shall be installed so that closer bodies are positioned on room side of doors to and from corridors, i.e., in-swing doors shall be track arm. Out-swing doors shall have a extra heavy duty parallel arm. Parallel arm shall be used on connecting doors between rooms.

2. Closers shall comply with UL 10C requirements for positive pressure testing.

3. Horizontal narrow profile body design for mounting in a 1-3/4 in. x 4 in. header of hollow metal, wood or aluminum construction. Provide suitable mounting and hanging devices for door, frame, floor and threshold conditions. Furnish cover

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plate to match specified finish.

4. Use center pivoting arm for center hung conditions and slide channel arm for offset hung. Furnish bottom arm and ball bearing floor pivot plate for center hung closers. furnish extended spindles where required for special head and floor conditions. Furnish special layout for pivot set as required by detail for independently hung closers. Furnish UL listed pivots for labeled doors.

5. Acceptable Manufacturers: Provide center hung pivot sets from one of the following manufacturers for the entire project:

   a. Glynn-Johnson

   b. Rixson

   c. ABH

2.2 DOOR LOCKING ITEMS

A. Locks General: Locksets, and latchsets, regardless of trim, shall be listed by UL for labeled doors, and, additionally, electrified locks shall be listed by New York City, BSA for fire control systems.

1. Furnish locksets, latchsets, hospital latches and deadlocks with lead-lined case or chassis and trim at lead-lined doors.

2. Furnish special backsets where lock stiles are too narrow for backset of locks specified. Furnish extended strikes where doors are set back on jambs. Furnish wrought, box type strike plates or standard construction, or curved face strike plates on round edge doors. Locks shall be for door thicknesses shown.

3. Cylinders

   a. Furnish cylinders by one manufacturer for locks requiring cylinders.

   b. Furnish 6 pins, high security, brass cylinders. Mortise and rim having a flexible head cap of brass, bronze or stainless steel finished to match the lock trim.

   c. Furnish mortise, rim and cylindrical type cylinder with proper tail piece.

B. Mortise Locksets and Latchsets: BHMA A156.13; Heavy duty type with heavy gage, corrosion resistant steel case, 2-3/4 in. backset, through bolted. adjustable armored front or rabbeted faceplate at rabbeted doors. Conceal fastenings, washers and bushings.

1. Two-piece anti-friction latchbolt of 3/4 in. throw with auxiliary deadlatch and a deadbolt of 1 in. throw with hardened steel inserts where scheduled.

2. Strike plate ANSI Standard A115.1 with curved lips of sufficient length to protect frames, include wrought, or black plastic, box. Extended lip strike where doors are set back in jamb, open back strike when required, rabbeted strike at doors with rabbeted stiles.

   Lever Trim

   Schlage 17A

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C. Flushbolts

1. Manual Flushbolts: BHMA A156.16; Spring loaded snap action lever type with 1 in. wide faceplate of extruded brass or bronze. Faceplate for metal doors fits ANSI Standard A115 specification and aluminum doors with radius or face as required with rounded corners.

U. L. Listed

Metal Catalog No.	Wood Catalog No.	Manufacturer
"FB458"	"FB358"	(Ives)
"1358-UL"		(Quality)
"5021"	"5021"	(Builders Brass Works)

Not U.L. Listed

Metal Catalog No.	Wood Catalog No.	Aluminum Catalog No.	Manufacturer
"FB458N"	"FB258N"	"FBC258N"	(Ives)
"5021"	"5021"	"5023"	(Builders Brass Works)

2. Automatic and Self-Latching Flushbolts: BHMA A156.3; with 1 in. wide faceplate of extruded brass or bronze with door fitting ANSI Standard A115 specification. Automatic has full engagement or disengagement and automatic latching of bolt. Self-latching with manual disengagement and automatic latching of bolt. UL listed for labeled doors.

Automatic Type		Self-Latching Type		
Metal Catalog No.	Wood Catalog No.	Metal Catalog No.	Wood Catalog No.	Mfg.
"FB-31P"	"FB-41P"	"FB-51P"	"FB-61P"	(Glynn-Johnson)
"FB-31P"	"FB-41P"	"FB-51P"	"FB-61P"	(Ives)
"840"	"940"	"845"	"945"	(Door Controls)

3. Flushbolt, Cylinder-Operated: Narrow stile mortise lock operated flushbolts. Furnish armored faceplate, wood doors provided with an extended faceplate. Furnish turnpiece cylinder on inside when required; keyed cylinder conforming to project's "Keying System".

Metal Doors Catalog No.	Wood Doors Catalog No.	Mfg.
"1870HM"	"1877"	(Adams Rite)

4. Surface Bolts: BHMA A156.16; jimmy resistant, automatic lock and mounted with concealed screws.

Catalog No.	Mfg
"SB1600"	(Ives)

D. Exit Devices - Touch Bar Type: BHMA A156.3, Grade 1; Low profile design, standard series or narrow stile series as required with devices of one manufacturer. Comply with the following:

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1. Required rated exit devices shall be UL listed for both accident hazard panic and fire labeled doors. Furnish exit devices that are approved and suitable for use with labeled doors with 3/4 in. undercut. Non-labeled exit devices shall be UL Listed for accident hazard panic only.

2. Furnish outside operators with lever trim. Avoid through-bolting of device, if through bolts are visible. Where lever trim is specified, levers shall match balance of project. Lever return springs shall be compression type. Extension springs and/or torsion springs will not be accepted. Cylinders shall be recessed from face of escutcheon.

3. Furnish security dead latching for exit device latches (rim, mortise, surface vertical rod and concealed vertical rod).

4. Furnish exit devices, less bottom rod, on cross corridor pairs of doors, where doors are for compartmentation only.

5. Furnish hydraulic sound dampening on exit devices.

6. Alarmed (ALR) exit devices shall have remote horn or a alarm kit built in to the devices with a signal switch (SS) for activating the remote horn and remote monitoring of latchbolt and touch bar or (RX) for release exit switch. Key switch override and reset inside and out.

7. Electric latch retraction (EL) on rim, mortise and concealed vertical rod devices shall be Fail-~~)~~ Secure. Electric, solenoid operated, mortise or rim lock device with outside trim shall be either locked when electrically energized and Fail-Safe (FS) or unlocked when electrically energized and Fail-Secure (FSE). Devices shall be 24VDC.

8. Include power supply, electric power transfer unit of suitable voltage for devices that requires electrical power.

.

9. Standard Touch Bar Series

Rim Type:	
Catalog Number	Mfg.
"99 Series x Trim"	(Von Duprin)
Mortise Type	
Catalog Number	Mfg.
"9975 Series x Trim"	(Von Duprin)
Concealed Vertical Rod Type	
Catalog Number	Mfg.
"9849 Series x Trim"	(Von Duprin)

10. Narrow Stile Touch Bar Series:

Rim Type	
Catalog Number	Mfg.
"35A Series x Trim"	(Von Duprin)
Concealed Vertical Rod Type	
Catalog Number	Mfg.
"3547A Series x Trim"	(Von Duprin)

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2.3 **ACCESSORIES ITEMS**

A. Coordinators: BHMA A156.3.

Bar Type Catalog Number	Gravity Arm Type Catalog Number	Mfg.
"COR Series"	"COR G Series"	(Ives)
"600 Series"	-----	(Door Controls International)

B. Carry Bars: To protect astragal and other hardware if inactive leaf is opened first. Vertical x mortise lock exit devices only.

Catalog Number	Mfg.
"CB-1"	(Ives)
"100"	(Door Controls International)

C. Dustproof Strikes: Wrought brass with spring loaded strike cover plate and with round or rectangular hole compatible with the bolt of the device involved.

Round Hole Type Catalog No.	Rectangular Hole Type Catalog No.	Mfg.
"DP-2"	----	(Ives)
"80"	----	(Door Control)
-----	"8790"	(Accurate Lock and Hardware)

D. Dummy Trim: Design and finish to match latchset/lockset trim.

E. Push Plates: Wrought brass, bronze or stainless steel of 0.050 in. plate, 4 in. wide and 16 in. height with edges beveled. Provide push plates from one of the following for the entire project:

1. Ives
2. Trimco
3. Rockwood

F. Wire Pull with Plates: Stainless steel, 1 in. dia., 10 in. center to center with concealed mounting, 0.050 in. plate, 4 in. wide and 16 in. high with edges beveled. Provide push plates from one of the following for the entire project:

1. Ives
2. Trimco

G. Wire Pulls: Stainless steel, 1 in. dia., 10 in.o.c. with concealed mounting. Provide push plates from one of the following for the entire project:

1. Rockwood
2. Trimco
3. Ives

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H. Push Pull Bar Set: Brass, bronze or stainless steel, 1 in. dia. bar, each unit consisting of one push bar on inside attached to one 10 in. o.c. offset pull on outside, with concealed back-to-back mounting. Provide push pull bar sets from one of the following for the entire project:

1. Rockwood

2. Trimco

3. Ives

2.4 DOOR CLOSERS

A. Overhead Surface Closers: BHMA A156.4; One grade for both interior and exterior doors, by one manufacturer, matched in design with high impact-resistant non-corrosive cover.

1. Spring power size adjustment from size 1 through size 5 with independent valves regulating sweep and latching speed, fully adjustable backcheck cushioning control.

2. In the absence of specific instructions detail and mount closer on the side of the door away from the corridor or public space by using a parallel arm application on in swing doors.

Catalog Number	Mfg.
"4040XP"	(LCN)
"281"	(Sargent)
"7500/7700"	(Norton)

B. Fully Concealed Closers: BHMA A156.16; With full controls, two independent valves for latching and closing speed with a third valve for back check adjustment, with (H.O.) where called for, size to suit door size and location.

1. Mortised in the door, with arm and body not visible in the closed position, body capable of being installed in a 1-3/4 in. wood door without the use of reinforcing plates.

Track Slider Arm - N.H.O.	Track Slider Arm - H.O.	
Catalog Number	Catalog Number	Mfg.
"3130"	-------	(LCN)

2. Mortised in the frame head, with arm and body not visible in the closed position, with suitable mounting devices for door and frame, with coverplate to match specified finish.

Track Slider Arm - N.H.O.	Track Slider Arm - H.O.	
Catalog Number	Catalog Number	Mfg.
"2010"	-------	(LCN)
"268"	-------	(Sargent)

C. Surface-Mounted Electro-Mechanical Closers - Power Track Holder - add suffix DA to indicate door for handicapped use

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Use with remote smoke detector, pull side:

Catalog Number	Mfg.
"2467"	(Sargent)
"4040 SE"	(LCN)
"7700 PTS"	(Norton)

D. Concealed Electro-Mechanical Closers - Power Track Holder - suffix DA indicates door for handicapped use.

Use with remote smoke detector Mount in door	Use with remote smoke detector Mount in frame head	
Catalog Number	Catalog Number	Mfg.
"3130SE"	"2310ME"	(LCN)

E. Surface-Mounted Electro-Mechanical Closers - Free Swing - suffix DA indicates door for handicapped use.

With integral smoke detector, pull side:	Companion unit, pull side:	
Catalog Number	Catalog Number	Mfg.
"P7700 PTD"	"P7700 PTS"	(Norton)
"4210MPDS-CFS"	"4210MESS-CFS"	(Yale)
"HO170T/FS171T"	"HO165t/FS165T"	(Dorma)

Use with remote smoke detector, pull side:

Catalog Number	Mfg.
"4310ME~~-SF~~"	(LCN)
"P7700 PTS"	(Norton)
"4210MPSS-CFS"	(Yale)
"TS83EMF PT"	(Dorma)

2.5 DOOR STOPPING AND HOLDING ITEMS

A. Floor Stops: ANSI/BHMA 156.16

1. For each door except where floor stops may create a traffic hazard, where 50% of the door width projects beyond the point of contact with adjacent construction or where exterior swing doors open outwards from building.

2. Heavy duty cast brass, bronze or stainless steel, with non-marring rubber bumper; provide risers in carpeted areas and elsewhere as required, complete with attachment hardware to suit floor substrate. Provide floor stops from one of the following for the entire project:

   a. Rockwood

   b. Trimco

   c. Ives

B. Wall Stops: ANSI/BHMA 156.16

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1. For doors in locations where floor stop would be appropriate but floor anchors would conflict with waterproofing or under-floor duct.

2. Heavy duty cast brass, bronze or stainless steel, with non-marring, tamper proof rubber bumper; provide appropriate attachment hardware to suit base and wall condition-Provide push pull bar sets from one of the following for the entire project:

   a. Rockwood

   b. Trimco

   c. Ives

C. Roller Latch and Angle Head Stop: Drop-forged brass or cast brass or bronze with a rubber roller and rubber mute.

Catalog Number	Mfg.
"RL1152"	(Ives)
"593"	(Rockwood)

D. Overhead Stops and Holders: Extruded bronze channel, arm and bracket with tempered steel shock absorber spring.

Concealed for Interior and Exterior Use

Standard Duty	Heavy Duty	
Catalog Number	Catalog Number	Mfg.
"3 Series"	"1 Series"	(Rixson)
"GJ- 410"	"GJ-100"	(Glynn-Johnson)
"1530"	"690"	(Sargent)

Surface Applied for Interior and Exterior Use

Standard Duty	Heavy Duty	
Catalog Number	Catalog Number	Mfg.
"33 Series"	"9 Series"	(Rixson)
"GJ- 450"	"GJ-90 Series"	(Glynn-Johnson)
"1540"	"590"	(Sargent)

2.6 MISCELLANEOUS ITEMS

A. Protective Plates: BHMA A156.6; For single doors, 2 in. less than the door width on stop side, 1 in. less than the door width on hinge side. For pairs of doors 1 in. less than the leaf width. 0.050 in. thick stainless steel, beveled 4 edges (B4E), drilled and countersunk to receive Phillips flat head screws with heads finished to match plate finish. Provide protective plates from one of the following for the entire project:

1. Ives

2. Trimco

B. Protective Plates: BHMA A156.6; Furnish mop, kick, stretcher and armor plates of 0.060 in. thick semi-rigid vinyl/acrylic sheet material and bevel 4 sides. Drill and countersink plates for self-tapping oval head screws. Furnish height of plates for mop and kick plates at 10 in., stretcher plates at 12 in. and armor plates at 32 in. Width for single doors, 2 in.

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less than the width on stop side, 1 in. less than the width on hinge side. Width for pairs of doors 1 in. less than the width. Where hardware is surface applied, reduce the width by 4 in. Catalog number and acceptable manufacturers:

1. "Acrovyn" (Construction Specialties, Inc.) or approved equal.

C. Silencers: BHMA A156.16; 3 each for single doors, 2 each for pairs of doors and 4 each for Dutch doors, type to suit frame condition.

Metal Frame	Wood Frame	
Catalog Number	Catalog Number	Mfg.
"SR-64"	"SR-65"	(Ives)

D. Electromagnetic Holders: BHMA A156.15; Energized at all times unless electric current is interrupted or if magnetic contact is broken by manual pull on door. Provide strike with a universal ball joint for self-aligning both vertically and horizontally. See Division 16 Section "Fire Protection" for smoke detection and programming specification.

Catalog Number	Mfg.
"980-999 Series"	(Rixson)
"7800 Series"	(LCN)
"390, 1501, 1503 Series"	(Sargent)

E. Gasketing and Door Bottoms: BHMA A156.22; Extrusion or solid block of aluminum alloy 6063-T5 with silicone, neoprene, polypropylene or vinyl bubble or pad. Gasketing shall be UL listed for use on labeled doors. Provide gasketing, door bottoms and associated hardware as produced by one manufacturer for the entire project. Provide gasketing and door bottoms from one of the following:

1. Pemko
2. National Guard
3. Reese
4. Zero International

F. Saddles and Thresholds: BHMA A156.21; Extrusion of aluminum alloy 6063-T5 with neoprene or vinyl seals when specified. Saddles and thresholds shall be provided with manufacturers' standard slip-resistance surface. Provide saddles and thresholds and associated hardware as produced by one manufacturer for the entire project. Provide saddles and thresholds from one of the following:

1. Pemko
2. National Guard
3. Reese
4. Zero International

G. Hardware Attachment Devices: Provide Phillips head type screws and bolts with exposed surface finished to match adjacent surface. Use the following fasteners for application to the substrates shown:

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1. Machine screws and bolts for application to metal.

2. Wood screws with full thread for application to wood.

3. Sheet metal screws for application to particleboard or plywood. Screws for use in fire retardant particleboard or plywood shall be of stainless steel.

4. Machine screws and galvanized tamp-in shields for application to concrete or masonry.

5. Through bolting will not be permitted except in special cases at the Architect's discretion. Provide internal reinforcement to accept bolts concealed from the outer face of door.

2.7 FABRICATION

A. Manufacturer's Nameplate: Do not provide manufacturers' products that have manufacturer's name or trade name displayed in a visible location (omit removable nameplates) except in conjunction with required fire-rated labels and as otherwise approved by Architect. Manufacturer's identification will be permitted on rim of lock cylinders only.

B. Base Metals: Produce door hardware units of base metal, fabricated by forming method indicated, using manufacturer's standard metal alloy, composition, temper, and hardness. Furnish metals of a quality equal to or greater than that of specified door hardware units and BHMA A156.18 for finishes. Do not furnish manufacturer's standard materials or forming methods if different from specified standard

C. Fasteners: Provide door hardware manufactured to comply with published templates generally prepared for concealed (where possible) machine, wood, and sheet metal screws. Provide screws according to commercially recognized industry standards for application intended, except aluminum fasteners are not permitted. Provide Phillips flat-head screws with finished heads to match surface of door hardware, unless otherwise indicated

D. Adapt hardware to compensate for door under-cutting and special conditions. Furnish manufacturer’s written installation instructions and special tools, and screws, bolts and other fastening devices needed for installation for each pieces of hardware

2.8 KEYING AND KEY CONTROL SYSTEM

A. Keying General: The general requirements for the keying system will be determined by the Owner. Meet with the Owner's representative to review and finalize the keying requirements before submitting Keying Schedule. Generally key alike the following categories:

1. Doors entering into the same space.

2. Doors to mechanical spaces.

3. Doors to electrical spaces.

4. Doors to telecommunication equipment spaces.

5. Doors from the exterior to corridors and lobbies.

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6. Doors to mechanical, electrical, telecommunication and janitor's spaces are passed by the building engineering key.

B. Existing Keying System: Furnish removable core cylinders with keyway suitable for keying to Owner's existing (TO BE FILLED IN)

C. Keys: Furnish keys of nickel silver by cylinder manufacturer, stamp with "*Visual Key Control*" and "*Do Not Duplicate*" only. Furnish keys in the following quantities:

1.	Change keys	3 keys each cylinder
2.	Masterkeys	6 keys each master
3.	Grand masterkeys	6 keys each grandmaster
4.	Great grand-masterkeys	3 total
5.	Construction masterkeys	20 total
6.	Change key blanks	50 for each different keyway
7.	Removable core cylinders	25 total

D. Key Control System: Provide a key control identification system, including a wall mounted steel cabinet, finished with baked enamel, with capacity to contain all keys, plus approximately 50%, key envelopes, key tags numbered from 1 up and an indexing and register system. Acceptable manufacturers: Key Control System, Inc., Lund Equipment Co., Inc and Telkee, Inc. Provide the following services in conjunction with the key control system:

1. Set up and installation of the key control system.

2. Instruction of the Owner's personnel in the operation of the key control system.

3. Check the system 6 months and one year after substantial completion to verify its operation.

2.9 FINISHES (BHMA Designations)

A. Standard: Comply with BHMA A156.18. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.

B. Appearance of Finished Work: Variations in appearance of abutting or adjacent pieces are acceptable if they are within one-half of the range of approved Samples. Noticeable variations in the same piece are not acceptable. Variations in appearance of other components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

C. Finish equivalences and description:

1. 600 - Prime coat (USP)

2. 605 - Bright brass clear coated (US3)

3. 606 - Satin brass clear coated (US4)

4. 611 - Bright bronze clear coated (US9)

5. 612 - Satin bronze clear coated (US10)

6. 613 - Satin bronze, oxidized and oil rubbed (US10B)

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7. 625 - Bright chrome plate (US26)

8. 626 - Satin chrome plate (US26D)

9. 629 - Bright stainless steel (US32)

10. 630 - Satin stainless steel (US32D)

11. 637 - Bright bronze plated on steel, clear coated (9)

12. 639 - Satin bronze plated on steel, clear coated (10)

13. 640 - Oxidized stain bronze plated over copper plate on steel, oil rubbed (10B)

14. 652 - Satin chrome plate (US26D)

16. 689 - Sprayed aluminum coated

15. 690 - Sprayed dark statuary bronze coating

16. 691 - Sprayed dull bronze coating

17. 693 - Sprayed black coating

PART 3 - EXECUTION

3.2 GENERAL

A. General: Hardware requirements set forth in the Hardware Set Schedule and Door Schedule shall not be construed as a complete hardware schedule but only as an indication of the hardware requirements. Hardware shall be suitable and adaptable for its required use and shall fit its designated location. Examine the Drawings and door hardware sets, and provide all necessary or additional hardware required with the same type and quantity as scheduled for similar doors used for similar purposes. Should specified hardware fail to meet the intended requirements or require modification to suit or fit the designated location, make the necessary correction or modification.

B. Manufacturer's Instructions: Prepare substrates and install the work of this Section, including equipment, components, and accessories in accordance with the manufacturer's instructions, except where more stringent requirements are shown or specified, and where project conditions require extra precautions or provisions to ensure satisfactory performance of the Work.

3.3 EXAMINATION

A. Verification of Conditions: Examine the areas to receive the Work and the conditions under which the Work would be performed. Contractor shall remedy conditions detrimental to the proper and timely completion of the Work. Do not proceed until unsatisfactory conditions have been corrected.

3.4 PREPARATION

A. Substrate Acceptability: Commencement of installation shall constitute acceptance of substrate conditions by the hardware Installer.

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B. Steel Doors and Frames: Comply with DHI A115 series.

1. Surface-Applied Door Hardware: Drill and tap doors and frames according to SDI 107.

C. Wood Doors: Comply with DHI A115-W series.

D. NFPA Restrictions: Comply with NFPA 80 restrictions as related to on-site door preparation required for surface-applied door hardware, function holes for mortise locks, undercutting of doors, and protection plates.

3.5 COORDINATION

A. General: Coordinate layout and installation of recessed pivots and closers with floor construction. Cast anchoring inserts into concrete or masonry.

B. Templates: Obtain and distribute to the parties involved templates for doors, frames, and other work specified to be factory prepared for installing door hardware. Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing door hardware to comply with indicated requirements.

C. Electrical System Roughing-in: Coordinate layout and installation of electrified door hardware with connections to power supplies, fire alarm system and detection devices, access control system, security system, building control system.

3.6 INSPECTION

A. Provide the service of a qualified hardware consultant to make periodic checks during construction to determine that the hardware is properly installed and to check operation and installation of hardware and make adjustments required for smooth operation, maintenance of hardware and hardware finishes.

3.7 HARDWARE INSTALLATION AND APPLICATION

A. General: Wherever cutting and fitting is required to install hardware onto or into surfaces which are later to be painted or finished in another way, coordinate removal, storage and reinstallation or application of surface protection with the painting or other finishing work. Do not install surfaced-mounted items until finishes have been completed on the substrate. Set units level, plumb and true to line and location. Adjust and reinforce the attachment substrate as necessary for proper installation and operation. Drill and countersink hardware not factory-prepared for anchorage fasteners. Space fasteners and anchors in accordance with industry standards.

B. Hardware Mounting Locations: Locate certain hardware items as listed below unless otherwise required by governing regulations; mount other hardware items in accordance with DHI standards and/or as required by governing regulations.

1. Hinges: Position top hinge 5 in. below head, bottom hinge 10 in. above finished floor and intermediate hinges equally spaced between top and bottom hinges. For Dutch doors position hinges 5 in. above and below split line.

2. Floor Pivots: In carpeted areas, set floor pivot flush with substrate under carpet.

3. Floor Closers: Install with cement cases; furnish twin cases at narrow mullions to permit back-to-back installation. In carpeted areas, set floor plate flush with substrate under carpet.

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4. Overhead Closer Concealed in Header: Concealed or exposed arm application as specified; surface shoe application for door closers with exposed arms.

5. Locks and Latches: Unless otherwise shown locate center of door levers and/or knobs 38 in. above finished floor.

6. Dead Latches and Locks: Unless otherwise specified or detailed locate center of cylinder 48 in. above finished floor; in access doors, locate at midpoint.

7. Flush Bolts: Locate flush bolts in edge of inactive door; position trip mechanism 72 in. from finished floor for top bolt and 12 in. from floor for bottom bolt.

    a. Strikes: Install dustproof strikes flush with finished flooring material or top of metal threshold.

8. Exit Fixtures: Locate cross bar at height so that center of lever trim is 38 in. above finished floor.

9. Pull Plates and Push Plates: Unless otherwise specified or detailed, install with horizontal center line 45 in. above finish floor and with vertical line on center with backset specified for dead lock and latches; mount pull plates on pull side of door; mount push plates on push side of door.

10. Overhead Closers: Verify each head condition prior to furnishing door closers.

    a. Surface Mounted on Door: Surface shoe application for standard operation and soffit plate application for parallel arms, special shoe plates and brackets to suit job conditions. Avoid the use of through bolts.

        1) For hollow metal doors provide templating for internal tapped reinforcement.

        2) For wood doors and mineral core fire doors provide hardware with machine screw fasteners to an approved reinforcement blocking.

    b. Surface Mounted Over Door: Surface shoe application.

    c. Concealed in Door: Surface shoe and soffit plate application as specified.

11. Protective Plates

    a. Kick Plates: Mount on push side of door.

    b. Mop Plates: Mount on pull side of door.

    c. Stretcher Plates: Where shown or at 42 in. at center line of plate. Mount plate on push side.

    d. Armor Plates: Where shown, butt bottom edge of push plate to top edge of armor plate.

12. Electromechanical Hardware

    a. Wiring for electromechanical hardware mounted on the door shall

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connected through the power transfer and terminated in the interface junction box specified for in Division 26 "Electrical".

b. Conductors shall be minimum 18 gauge stranded, multicolored. A minimum 12 in. loop of conductors shall be coiled in the interface junction box. Each conductor shall be permanently marked with its function.

c. If a power supply is specified in the hardware sets, conductors shall be terminated in the power supply. Make connections required for proper operation between the power supply and the electromechanical hardware.

13. Electric door hardware shall be wired to its power supply; from where the Security Contractor can interface for proper operation. Each piece of electric door hardware shall be tested for mechanical and electrical operation prior release to the Security Contractor.

C. Thresholds: Set thresholds for exterior and acoustical doors in full bed of sealant.

D. Weatherstripping and Seals

1. General: Provide continuous weather-strip gasketing on exterior doors (whether indicated or not) and provide smoke, light, or sound gasketing on interior doors where indicated or scheduled. Provide noncorrosive fasteners for all applications. Install as follows:

a. Perimeter Gasketing: Apply to head and jamb, forming seal between door and frame.

b. Meeting Stile Gasketing: Fasten to meeting stiles, forming seal when doors are closed.

c. Door Bottoms: Apply to bottom of door, forming seal with threshold when door is closed.

3.8 ADJUSTING

A. General: Adjust and check each operating item of hardware and each door, to ensure proper operation or function of every unit. Replace units which can not be adjusted and lubricated to operate freely and smoothly as intended for the application made.

B. Final Adjustment: Wherever hardware installation is made more than 1 month prior to acceptance or occupancy of a space or area, return to the work during the week prior to acceptance or occupancy, and make a final check and adjustment of hardware items in such space or area. Clean operating items as necessary to restore proper function and finish of hardware and doors. Adjust door control devices to compensate for final operation of heating and ventilating equipment.

C. Defective or Inoperative Hardware: Where hardware is found defective or unable to operate freely and smoothly for the operation intended, repair or replace or otherwise correct as directed.

3.9 CLEANING

A. Cleaning: Clean adjacent surfaces soiled by hardware installation. Clean operating items as necessary to restore proper function and finish.

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3.10 **PROTECTION**

A. Protection: Provide all items of hardware with proper protection from surrounding construction and at final completion, all hardware shall be left clean and free from disfigurement. Make a final adjustment to door closers and other items of hardware.

3.11 **HARDWARE SET SCHEDULE**

HARDWARE GROUP NO. 01

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
2	EA	TOP PIVOT	H180	626	RIX
2	EA	INTERMEDIATE PIVOT	M19	626	RIX
1	EA	PANIC HARDWARE	CD-3547A-EO	626	VON
1	EA	PANIC HARDWARE	CD-3547A-NL-OP	626	VON
1	EA	RIM CYLINDER	20-057-ICX	626	SCH
1	EA	MORTISE CYLINDER	26-091-ICX	626	SCH
			FOR KEY SWITCH		
2	EA	MORTISE CYLINDER	26-091-ICX XQ11-948	626	SCH
			FOR DOGGING		
4	EA	FSIC CORE	23-030	626	SCH
2	EA	LONG DOOR PULL	9264F 72" 56" STD	630	IVE
2	EA	OH STOP	100S	630	GLY
2	EA	AUTO OPERATOR	SW200I - IG	626	BEA
1	EA	BOLLARD	CUSTOM TO BE DETERMINED	630	WIK
2	EA	ACTUATOR	I-36-3	AL	WIK
1	EA	THRESHOLD	CUSTOM - SEE DETAIL DRAWING	AL	ZER
1	EA	KEY SWITCH	653-1414 NS L2	630	SCE

WEATHER-STRIPPING FURNISHED WITH DOOR & FRAME ASSEMBLY
KEY SWITCH ACTIVATES / DEACTIVATES ACTUATORS FOR HOURS OF OPERATION

HARDWARE GROUP NO. 02

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
2	EA	FLOOR CLOSER	SC-PH-2790SHO X LESS COVER PLATE	626	RIX
2	EA	INTERMEDIATE PIVOT	M19	626	RIX
1	EA	PANIC HARDWARE	CD-3547A-EO	626	VON
1	EA	PANIC HARDWARE	CD-3547A-NL-OP	626	VON
1	EA	RIM CYLINDER	20-057-ICX	626	SCH
2	EA	MORTISE CYLINDER	26-091-ICX XQ11-948	626	SCH
3	EA	FSIC CORE	23-030	626	SCH
2	EA	LONG DOOR PULL	9264F 72" 56" STD	630	IVE
2	EA	OH STOP & HOLDER	100H	630	GLY
1	EA	THRESHOLD	CUSTOM - SEE DETAIL DRAWING	AL	ZER

WEATHER-STRIPPING FURNISHED WITH DOOR & FRAME ASSEMBLY

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HARDWARE GROUP NO. 03

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6	EA	HW HINGE	5BB1HW 4.5 X 4.5 NRP	630	IVE
1	EA	PANIC HARDWARE	CD-9849-EO	626	VON
1	EA	PANIC HARDWARE	CD-9849-NL-OP	626	VON
1	EA	RIM CYLINDER	20-057-ICX	626	SCH
2	EA	MORTISE CYLINDER	26-091-ICX XQ11-948	626	SCH
3	EA	FSIC CORE	23-030	626	SCH
2	EA	LONG DOOR PULL	9264F STD	630	IVE
2	EA	OH STOP & HOLDER	100H	630	GLY
2	EA	SURFACE CLOSER	4040XP EDA	689	LCN
1	SET	SEALS	188S	BLK	ZER
2	EA	DOOR SWEEP	39A	AL	ZER
1	EA	THRESHOLD	PER DETAIL	AL	ZER

HARDWARE GROUP NO. 04 NOT USED

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
2	EA	PIVOT SET	7215 SET	626	IVE
2	EA	INTERMEDIATE PIVOT	7215 INT	626	IVE
1	EA	PANIC HARDWARE	CD-3547A-EO	626	VON
1	EA	PANIC HARDWARE	CD-3547A-NL-OP	626	VON
1	EA	RIM CYLINDER	20-057-ICX	626	SCH
1	EA	MORTISE CYLINDER	26-091-ICX FOR KEY SWITCH	626	SCH
2	EA	MORTISE CYLINDER	26-091-ICX XQ11-948 FOR DOGGING	626	SCH
4	EA	FSIC CORE	23-030	626	SCH
2	EA	LONG DOOR PULL	9264F STD	630	IVE
1	EA	SURF. AUTO OPERATOR	9553 REG2 MS	ANCLR	LCN
2	EA	BOLLARD	CUSTOM TO BE DETERMINED	630	WIK
2	EA	ACTUATOR	I-36-3	AL	WIK
1	EA	THRESHOLD	PER DETAIL	AL	ZER
1	EA	KEY SWITCH	653-1414 NS L2	630	SCE

WEATHER-STRIPPING FURNISHED WITH DOOR & FRAME ASSEMBLY
KEY SWITCH ACTIVATES / DEACTIVATES ACTUATORS FOR HOURS OF OPERATION

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HARDWARE GROUP NO. 05

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
2	EA	PIVOT SET	7215 SET	626	IVE
2	EA	INTERMEDIATE PIVOT	7215 INT	626	IVE
1	EA	PANIC HARDWARE	CD-3547A-EO	626	VON
1	EA	PANIC HARDWARE	CD-3547A-NL-OP	626	VON
1	EA	RIM CYLINDER	20-057-ICX	626	SCH
2	EA	MORTISE CYLINDER	26-091-ICX XQ11-948	626	SCH
3	EA	FSIC CORE	23-030	626	SCH
2	EA	LONG DOOR PULL	9266F 36" 20" STD	630	IVE
2	EA	OH STOP & HOLDER	90H	630	GLY
2	EA	CONCEALED CLOSER	2030 ST-2111	689	LCN
1	EA	THRESHOLD	PER DETAIL	AL	ZER

WEATHER-STRIPPING FURNISHED WITH DOOR & FRAME ASSEMBLY

HARDWARE GROUP NO. 06

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6	EA	HW HINGE	5BB1HW 4.5 X 4.5 NRP	652	IVE
2	EA	FIRE EXIT HARDWARE	AX-9849-L-F-17-LBL	626	VON
2	EA	RIM CYLINDER	20-057-ICX	626	SCH
2	EA	FSIC CORE	23-030	626	SCH
2	EA	OH STOP	100SE	630	GLY
2	EA	FIRE/LIFE CLOSER	4040SE ST-2806 PULL SIDE	689	LCN
1	SET	SEALS	188S	BLK	ZER
1	SET	SEALS	312A	AL	ZER
2	EA	ASTRAGAL	328AA	AL	ZER
2	EA	AUTO DOOR BOTTOM	355A	AL	ZER
1	EA	THRESHOLD	PER DETAIL	AL	ZER

ELECTRONIC CLOSERS TIED TO BUILDING FIRE ALARM SYSTEM

HARDWARE GROUP NO. 08

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6	EA	HW HINGE	5BB1HW 4.5 X 4.5 NRP	652	IVE
1	EA	FIRE EXIT HARDWARE	AX-9849-L-F-17-LBL	626	VON
2	EA	RIM CYLINDER	20-057-ICX	626	SCH
2	EA	FSIC CORE	23-030	626	SCH
2	EA	OH STOP	100SE	630	GLY
2	EA	FIRE/LIFE CLOSER	4040SE ST-2806 PULL SIDE MOUNT	689	LCN
1	SET	SEALS	188S	BLK	ZER
2	EA	ASTRAGAL	328AA	AL	ZER

ELECTRONIC CLOSERS TIED TO BUILDING FIRE ALARM SYSTEM

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HARDWARE GROUP NO. 09

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6	EA	HW HINGE	5BB1HW 4.5 X 4.5 NRP	652	IVE
2	EA	FIRE EXIT HARDWARE	AX-9849-L-F-17-LBL	626	VON
2	EA	RIM CYLINDER	20-057-ICX	626	SCH
2	EA	FSIC CORE	23-030	626	SCH
2	EA	SURFACE CLOSER	4040XP EDA	689	LCN
2	EA	CLOSER MTG BRACKET	328SPB	600	ZER
2	EA	FIRE/LIFE WALL MAG	SEM7850	689	LCN
1	SET	SEALS	188S	BLK	ZER
1	SET	SEALS	312A	AL	ZER
2	EA	ASTRAGAL	328AA	AL	ZER
2	EA	AUTO DOOR BOTTOM	355A	AL	ZER
1	EA	THRESHOLD	PER DETAIL	AL	ZER

MAGNETIC HOLDERS TO BE TIED TO BUILDING FIRE ALARM SYSTEM

HARDWARE GROUP NO. 10

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6	EA	HW HINGE	5BB1HW 4.5 X 4.5 NRP	630	IVE
1	EA	ELEC FIRE EXIT HARDWARE	RX-ALK-9875-L-F-17-AR3	626	VON
1	EA	ELEC FIRE EXIT HARDWARE	RX-ALK-AX-9849-EO-F-AR3-LBL	626	VON
3	EA	MORTISE CYLINDER	26-091-ICX	626	SCH
3	EA	FSIC CORE	23-030	626	SCH
1	EA	COORDINATOR	COR X FL TYPE "D" CUTOUT	628	IVE
2	EA	MOUNTING BRACKET	MB	689	IVE
2	EA	SURFACE CLOSER	4040XP EDA	689	LCN
2	EA	FLOOR STOP	FS441	626	IVE
1	SET	SEALS	188S	BLK	ZER
1	EA	ASTRAGAL	905A	AL	ZER
2	EA	DOOR SWEEP	39A	AL	ZER
1	EA	THRESHOLD	PER DETAIL	AL	ZER

HARDWARE GROUP NO. 11

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HW HINGE	5BB1HW 4.5 X 4.5	652	IVE
1	EA	CLASSROOM LOCK	L9070T 17A	626	SCH
1	EA	FSIC CORE	23-030	626	SCH
1	EA	SURFACE CLOSER	4040XP	689	LCN
2	EA	KICK PLATE	8400 10" X 2" LDW B4E	630	IVE
1	EA	WALL STOP	WS401CCV	626	IVE
1	SET	SEALS	188S	BLK	ZER

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HARDWARE GROUP NO. 12

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5	652	IVE
1	EA	INDICATOR LOCK	L9456T 17A L583-363 L283-414	626	SCH
1	EA	FSIC CORE	23-030	626	SCH
1	EA	SURFACE CLOSER	4041 DEL	689	LCN
2	EA	KICK PLATE	8400 10" X 2" LDW B4E	630	IVE
1	EA	WALL STOP	WS401CCV	626	IVE
1	SET	SEALS	188S	BLK	ZER

HARDWARE GROUP NO. 13

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5	652	IVE
1	EA	STOREROOM LOCK	L9080T 17A	626	SCH
1	EA	FSIC CORE	23-030	626	SCH
1	EA	WALL STOP	WS401CCV	626	IVE
1	SET	SEALS	188S	BLK	ZER

HARDWARE GROUP NO. 14

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6	EA	HW HINGE	5BB1HW 4.5 X 4.5	652	IVE
2	EA	PUSH PLATE	8200 4" X 16"	630	IVE
2	EA	PULL PLATE	8302 8" 4" X 16"	630	IVE
2	EA	SURFACE CLOSER	1461 FC	689	LCN
2	EA	KICK PLATE	8400 10" X 2" LDW B4E	630	IVE
2	EA	FLOOR STOP/HOLDER	FS41	626	IVE
1	SET	SEALS	188S	BLK	ZER

HARDWARE GROUP NO. 15

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HW HINGE	5BB1HW 4.5 X 4.5	652	IVE
1	EA	PUSH PLATE	8200 4" X 16"	630	IVE
1	EA	PULL PLATE	8302 8" 4" X 16"	630	IVE
1	EA	SURFACE CLOSER	1461 FC	689	LCN
2	EA	KICK PLATE	8400 10" X 2" LDW B4E	630	IVE
1	EA	WALL STOP	WS401CCV	626	IVE
1	SET	SEALS	188S	BLK	ZER

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HARDWARE GROUP NO. 16

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6	EA	HINGE	5BB1 4.5 X 4.5	652	IVE
1	SET	AUTO FLUSH BOLT	FB32	630	IVE
1	EA	STOREROOM LOCK	L9080T 17A	626	SCH
1	EA	FSIC CORE	23-030	626	SCH
1	EA	COORDINATOR	COR X FL	628	IVE
2	EA	SURFACE CLOSER	1461 FC	689	LCN
2	EA	FLOOR STOP	FS441	626	IVE
1	SET	SEALS	188S	BLK	ZER
1	EA	ASTRAGAL	905A	AL	ZER

HARDWARE GROUP NO. 17

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5	652	IVE
1	EA	STOREROOM LOCK	L9080T 17A	626	SCH
1	EA	FSIC CORE	23-030	626	SCH
1	EA	SURFACE CLOSER	1461 FC	689	LCN
1	EA	WALL STOP	WS401CCV	626	IVE
1	SET	SEALS	188S	BLK	ZER

HARDWARE GROUP NO. 18

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5	652	IVE
1	EA	PRIVACY LOCK	L9040 17A L583-363 L283-414	626	SCH
1	EA	KICK PLATE	8400 10" X 2" LDW B4E	630	IVE
1	EA	WALL STOP	WS401CCV	626	IVE
1	SET	SEALS	188S	BLK	ZER

HARDWARE GROUP NO. 19

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6	EA	HINGE	5BB1 4.5 X 4.5	652	IVE
1	SET	AUTO FLUSH BOLT	FB32	630	IVE
1	EA	CLASSROOM LOCK	L9070T 17A	626	SCH
1	EA	FSIC CORE	23-030	626	SCH
1	EA	COORDINATOR	COR X FL	628	IVE
2	EA	OH STOP	100SE	630	GLY
2	EA	FIRE/LIFE CLOSER	4040SE ST-2806	689	LCN
2	EA	KICK PLATE	8400 10" X 2" LDW B4E	630	IVE
1	SET	SEALS	188S	BLK	ZER
1	EA	ASTRAGAL	905A	AL	ZER

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HARDWARE GROUP NO. 20

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HW HINGE	5BB1HW 4.5 X 4.5	652	IVE
1	EA	PANIC HARDWARE	98-L-BE-17	626	VON
1	EA	SURFACE CLOSER	4040XP	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B4E	630	IVE
1	EA	FLOOR STOP	FS410	626	IVE
1	SET	SEALS	188S	BLK	ZER

HARDWARE GROUP NO. 21

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6	EA	HW HINGE	5BB1HW 4.5 X 4.5	652	IVE
1	EA	PANIC HARDWARE	AX-9849-EO-LBL	626	VON
1	EA	PANIC HARDWARE	AX-9849-L-17-LBL	626	VON
1	EA	RIM CYLINDER	20-057-ICX	626	SCH
1	EA	FSIC CORE	23-030	626	SCH
2	EA	SURFACE CLOSER	4040XP EDA	689	LCN
2	EA	KICK PLATE	8400 10" X 2" LDW B4E	630	IVE
2	EA	FLOOR STOP/HOLDER	FS41	626	IVE
1	SET	SEALS	188S	BLK	ZER
2	EA	ASTRAGAL	328AA	AL	ZER

HARDWARE GROUP NO. 22

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6	EA	HW HINGE	5BB1HW 4.5 X 4.5	652	IVE
1	EA	FIRE EXIT HARDWARE	AX-9849-EO-F-LBL	626	VON
1	EA	FIRE EXIT HARDWARE	AX-9849-L-F-17-LBL	626	VON
1	EA	RIM CYLINDER	20-057-ICX	626	SCH
1	EA	FSIC CORE	23-030	626	SCH
2	EA	SURFACE CLOSER	4040XP EDA	689	LCN
2	EA	KICK PLATE	8400 10" X 2" LDW B4E	630	IVE
2	EA	FLOOR STOP	FS410	626	IVE
1	SET	SEALS	188S	BLK	ZER
2	EA	ASTRAGAL	328AA	AL	ZER

HARDWARE GROUP NO. 23

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5	652	IVE
1	EA	OFFICE W/SIM RETRACT	L9056T 17A L583-363	626	SCH
1	EA	FSIC CORE	23-030	626	SCH
1	EA	SURFACE CLOSER	4040XP	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B4E	630	IVE
1	EA	WALL STOP	WS401CCV	626	IVE
1	SET	SEALS	188S	BLK	ZER

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HARDWARE GROUP NO. 24

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6	EA	HW HINGE	5BB1HW 4.5 X 4.5	652	IVE
1	SET	CONST LATCHING BOLT	FB52	630	IVE
1	EA	STOREROOM LOCK	L9080T 17A	626	SCH
1	EA	FSIC CORE	23-030	626	SCH
1	EA	COORDINATOR	COR X FL	628	IVE
2	EA	MOUNTING BRACKET	MB	689	IVE
2	EA	SURFACE CLOSER	4040XP EDA	689	LCN
1	SET	SEALS	188S	BLK	ZER
1	EA	ASTRAGAL	905A	AL	ZER

HARDWARE GROUP NO. 25

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HW HINGE	5BB1HW 4.5 X 4.5	652	IVE
1	EA	CLASSROOM LOCK	L9070T 17A	626	SCH
1	EA	FSIC CORE	23-030	626	SCH
1	EA	SURFACE CLOSER	4040XP EDA	689	LCN
1	EA	FLOOR STOP	FS410	626	IVE
1	SET	SEALS	188S	BLK	ZER

OMIT FLOOR STOP @ DOOR 118A & ADJUST BACKCHECK

HARDWARE GROUP NO. 26

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5	652	IVE
1	EA	OFFICE W/SIM RETRACT	L9056T 17A L583-363	626	SCH
1	EA	FSIC CORE	23-030	626	SCH
1	EA	FLOOR STOP	FS410	626	IVE
1	SET	SEALS	188S	BLK	ZER

HARDWARE GROUP NO. 27

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5	652	IVE
1	EA	CLASSROOM LOCK	L9070T 17A	626	SCH
1	EA	FSIC CORE	23-030	626	SCH
1	EA	WALL STOP	WS401CCV	626	IVE
3	EA	SILENCER	SR64	GRY	IVE

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HARDWARE GROUP NO. 28

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5	652	IVE
1	EA	STOREROOM LOCK	L9080T 17A	626	SCH
1	EA	FSIC CORE	23-030	626	SCH
1	EA	SURFACE CLOSER	1461 FC	689	LCN
1	EA	WALL STOP	WS401CCV	626	IVE
1	SET	SEALS	188S	BLK	ZER
1	SET	SEALS	312A	AL	ZER
1	EA	AUTO DOOR BOTTOM	355A	AL	ZER
1	EA	THRESHOLD	PER DETAIL	AL	ZER

HARDWARE GROUP NO. 29

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA	CYLINDER	VERIFY TYPE WITH DOOR MFR	626	SCH
1	EA	FSIC CORE	23-030	626	SCH
			BALANCE OF HARDWARE BY DOOR MANUFACTURER		

HARDWARE GROUP NO. 30

QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
		HARDWARE BY DOOR MANUFACTURER		

HARDWARE GROUP NO. 31

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6	EA	HW HINGE	5BB1HW 4.5 X 4.5 NRP	652	IVE
1	EA	PANIC HARDWARE	CD-AX-9849-EO-LBL	626	VON
1	EA	PANIC HARDWARE	CD-AX-9849-NL-OP-LBL	626	VON
1	EA	RIM CYLINDER	20-057-ICX	626	SCH
2	EA	MORTISE CYLINDER	26-091-ICX XQ11-948	626	SCH
3	EA	FSIC CORE	23-030	626	SCH
2	EA	LONG DOOR PULL	9266F 84" 68" STD	630	IVE
2	EA	OH STOP & HOLDER	100H	630	GLY
2	EA	SURFACE CLOSER	4040XP EDA	689	LCN
2	EA	CLOSER MTG BRACKET	328SPB	600	ZER
1	SET	SEALS	188S	BLK	ZER
1	SET	SEALS	312A	AL	ZER
2	EA	ASTRAGAL	328AA	AL	ZER
2	EA	AUTO DOOR BOTTOM	355A	AL	ZER
1	EA	THRESHOLD	PER DETAIL	AL	ZER

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HARDWARE GROUP NO. 32

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HW HINGE	5BB1HW 4.5 X 4.5 NRP	630	IVE
1	EA	PANIC HARDWARE	CD-98-NL-OP-110MD	626	VON
1	EA	RIM CYLINDER	20-057-ICX	626	SCH
1	EA	MORTISE CYLINDER	26-091-ICX XQ11-948	626	SCH
2	EA	FSIC CORE	23-030	626	SCH
1	EA	LONG DOOR PULL	9266F 84” 68” STD	630	IVE
1	EA	OH STOP & HOLDER	100H	630	GLY
1	EA	SURFACE CLOSER	4040XP EDA	689	LCN
1	SET	SEALS	188S	BLK	ZER
1	EA	DOOR SWEEP	39A	AL	ZER
1	EA	THRESHOLD	PER DETAIL	AL	ZER

HARDWARE GROUP NO. 33

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
2	EA	CONT. HINGE	600	600	IVE
1	SET	CONST LATCHING BOLT	FB51P	630	IVE
1	EA	DUST PROOF STRIKE	DP1	626	IVE
1	EA	CYL X TURN DEAD LOCK	L460T L583-363	626	SCH
1	EA	FSIC CORE	23-030	626	SCH
1	SET	SEALS	188S	BLK	ZER
1	SET	SEALS	312A	AL	ZER
1	EA	ASTRAGAL	905A	AL	ZER
2	EA	DOOR BOTTOM	361AA	AL	ZER
1	EA	THRESHOLD	PER DETAIL	AL	ZER

HARDWARE GROUP NO. 34

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6	EA	HW HINGE	5BB1HW 4.5 X 4.5 NRP	652	IVE
1	SET	AUTO FLUSH BOLT	FB31T	630	IVE
1	EA	CLASSROOM LOCK	L9070T 17A	626	SCH
1	EA	FSIC CORE	23-030	626	SCH
1	EA	COORDINATOR	COR X FL	628	IVE
2	EA	MOUNTING BRACKET	MB	689	IVE
2	EA	SURFACE CLOSER	4040XP EDA	689	LCN
2	EA	KICK PLATE	8400 10" X 2" LDW B4E	630	IVE
2	EA	FLOOR STOP/HOLDER	FS41	626	IVE
1	SET	SEALS	188S	BLK	ZER
1	EA	ASTRAGAL	905A	AL	ZER

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HARDWARE GROUP NO. 35

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6	EA	HW HINGE	5BB1HW 4.5 X 4.5	652	IVE
1	SET	AUTO FLUSH BOLT	FB31T	630	IVE
1	EA	CLASSROOM LOCK	L9070T 17A	626	SCH
1	EA	FSIC CORE	23-030	626	SCH
1	EA	COORDINATOR	COR X FL	628	IVE
2	EA	SURFACE CLOSER	4040XP	689	LCN
2	EA	KICK PLATE	8400 10" X 2" LDW B4E	630	IVE
2	EA	WALL STOP	WS401CCV	626	IVE
1	SET	SEALS	188S	BLK	ZER
1	EA	ASTRAGAL	905A	AL	ZER

HARDWARE GROUP NO. 36

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6	EA	HW HINGE	5BB1HW 5 X 4.5 NRP	652	IVE
1	SET	CONST LATCHING BOLT	FB51T	630	IVE
1	EA	CLASSROOM LOCK	L9070T 17A	626	SCH
1	EA	FSIC CORE	23-030	626	SCH
2	EA	KICK PLATE	8400 10" X 2" LDW B4E	630	IVE
2	EA	FLOOR STOP/HOLDER	FS41	626	IVE
1	SET	SEALS	188S	BLK	ZER
1	SET	SEALS	312A	AL	ZER
1	EA	ASTRAGAL	905A	AL	ZER
2	EA	DOOR BOTTOM	361AA	AL	ZER

HARDWARE GROUP NO. 37

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6	EA	HW HINGE	5BB1HW 4.5 X 4.5	652	IVE
1	EA	PANIC HARDWARE	AX-9849-EO-LBL	626	VON
1	EA	PANIC HARDWARE	AX-9849-L-17-LBL	626	VON
1	EA	RIM CYLINDER	20-057-ICX	626	SCH
1	EA	FSIC CORE	23-030	626	SCH
2	EA	OH STOP & HOLDER	100H	630	GLY
2	EA	SURFACE CLOSER	4040XP EDA	689	LCN
2	EA	KICK PLATE	8400 10" X 2" LDW B4E	630	IVE
1	SET	SEALS	188S	BLK	ZER
2	EA	ASTRAGAL	328AA	AL	ZER

HARDWARE GROUP NO. 38

QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
	HARDWARE	RELOCATED DOORS & HARDWARE		

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HARDWARE GROUP NO. 39

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
2	EA	PIVOT SET	7255 SET	626	IVE
2	EA	ROLLER LATCH	RL30	626	IVE
2	EA	DOOR PULL, 1" ROUND	8103EZHD 10" O	630	IVE
2	EA	OH STOP & HOLDER	100H	630	GLY
2	EA	APPLIED STOP	AS895	626	IVE

HARDWARE GROUP NO. 40

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
2	EA	PIVOT SET	7255 SET	626	IVE
2	EA	MANUAL FLUSH BOLT	FB358	626	IVE
1	EA	DUST PROOF STRIKE	DP2	626	IVE
2	EA	ROLLER LATCH	RL30	626	IVE
1	EA	CYL X TURN DEAD LOCK	L460T L583-363 VERIFY DOOR THICKNESS	626	SCH
2	EA	OH STOP & HOLDER	100H	630	GLY
2	EA	APPLIED STOP	AS895	626	IVE

HARDWARE GROUP NO. 41

QTY		***DESCRIPTION***	***CATALOG NUMBER***	***FINISH***	***MFR***
3	***EA***	***HINGE***	***5BB1 4.5 X 4.5***	***652***	***IVE***
1	***EA***	***PRIVACY LOCK***	***L9040 17A L583-363 L283-414***	***626***	***SCH***
1	***EA***	***SURFACE CLOSER***	***4040XP***	***689***	***LCN***
1	***EA***	***KICK PLATE***	***8400 10" X 2" LDW B4E***	***630***	***IVE***
1	***EA***	***WALL STOP***	***WS401CCV***	***626***	***IVE***
1	***SET***	***SEALS***	***188S***	***BLK***	***ZER***

END OF SECTION

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SECTION 10 14 00

SIGNAGE

PART 1 - GENERAL

1.1 SUMMARY

A. General: Provide signage in accordance with requirements of the Contract Documents.

B. Work consists of interior and exterior signage.

C. Related Work Specified Elsewhere

1. Section 01 81 13 “Sustainable Design Requirements” for additional Leadership in Energy and Environmental Design (LEED®) certification-related references, definitions, documentation requirements, action plans, meetings, and performance requirements of products and systems.

2. Temporary project identification and signage is specified in Section 01 50 00 “Temporary Facilities and Controls”.

3. Concrete foundations and bases for freestanding signs is specified in Section 03 30 00 “Cast-in-Place Concrete”.

4. Electrical service, controls and connections for illuminated signage is specified in applicable Division 26 Electrical specification sections.

1.2 REFERENCES

A. General: Comply with the applicable provisions of the referenced standards except as modified by governing codes and the Contract Documents. Where a recommendation or suggestion occurs in the referenced standards, such recommendation or suggestion shall be considered mandatory. In the event of conflict between referenced standards, this specification or within themselves, the more stringent standard or requirement shall govern.

B. Aluminum Association (AA)

1. “Aluminum Standards and Data”.

2. “Designation System for Aluminum Finishes”.

3. “Aluminum Design Manual: Specifications and Guidelines for Aluminum Structures”.

C. American Concrete Institute (ACI): “Manual of Concrete Practice”.

D. American Welding Society (AWS)

1. D1.1 "Structural Welding Code - Steel".

2. D1.2 "Structural Welding Code - Aluminum".

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3. D1.3 "Structural Welding Code - Sheet Steel".

E. American National Standards Institute (ANSI): A117.1: “Accessible and Usable Buildings and Facilities”. Comply with relevant chapters related to signage.

F. Americans with Disabilities Act - ABA 2010 (ADA-ABA) with applicable updates: Comply with relevant chapters related to signage.

G. California Code of Regulations.

H. Industrial Fasteners Institute (IFI): "Fastener Standards Book."

I. National Association of Architectural Metal Manufacturers (NAAMM): "Metal Finishes Manual".

J. National Electrical Manufacturers Association (NEMA)

K. The Society for Protective Coatings (SSPC): "Steel Structures Painting Manual, Volume 2, Systems and Specifications".

L. Underwriters Laboratory (UL)

1.3 **DEFINITIONS**

A. Hairline Joint: No greater than 1/64 in. wide.

1.4 **SYSTEM DESCRIPTION**

A. Design Requirements

1. Summary: Work consists of fabrication and installation of signage, including subframing, connections, anchors, fasteners, reinforcing, and other miscellaneous accessories necessary to complete work.

2. General: Drawings and specifications are to convey design intent of the work. These documents should be used as the basis of shop drawings. Provide complete signage as described in the contract documents and specifications.

3. Copy shown on drawings is for layout purposes only. Assume each sign shall use a maximum number of characters and lines of copy in final layout. See Sign Schedule for sign copy. One typical layout for each sign type will be provided by the Architect. Computer generated designs will be provided in a Macintosh/Adobe ~~***Illustrator CS2***~~ ***CC 2014 (Creative Cloud)*** format. Contractor shall demonstrate in-house ability to work with and execute final artwork from the computer files provided. Unless otherwise noted, final artwork for each sign will be the responsibility of Contractor.

4. Engineering: Contractor shall be wholly responsible for the structural engineering and electrical design of the signs, if required, including all components and fasteners. Provide UL and NEMA compliance for lighting fixtures and electrical components of illuminated signs.

5. Evacuation Maps: The Architect will provide a typical layout for the evacuation maps (Adobe ~~***Illustrator CS2***~~ ***CC 2014*** format). The Contractor shall be responsible for producing artwork for evacuation maps including accurately locating fire alarms, fire extinguishers, and exit routes. Contractor shall use the

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typical layout provided to produce final artwork for evacuation maps.

6. Code Conformance: Work shall conform with ADA guidelines. Materials and backgrounds of signs shall be non-glare, and characters shall contrast with their background to meet the ADAAG appendix. Provide ADA Grade 2 Braille certified to meet California Title 24 requirements. The Contractor shall be wholly responsible for accurately translating required copy into Braille.

7. Revisions: The Contractor shall expect revisions to the message schedule and sign layouts throughout the project and incorporate the revisions as required.

8. Coordination: Contractor is wholly responsible for coordinating with other trades affected by work to assure performance in proper sequence. Furnish setting templates, layouts, anchors, fasteners, and built-in items as required to cause no delays.

B. Performance Requirements for Exterior Signage

1. Wind Loading Requirements: Design, fabricate and install component parts of exterior signage so that the completed signage will withstand the inward and outward pressures normal to the plane of the sign as required by Code.

2. Temperature Requirements: Design, fabricate and install exterior signage component parts to provide for expansion and contraction of the over an ambient exterior temperature range and exterior metal surface temperature of –10 deg. F. through +180 deg. F. without buckling, sealed joint failure, component breakage, undue stress on members or anchors, and other detrimental effects.

3. Design Safety Factor: Use industry standard design procedures and implied safety factors for respective material. However, permanent deformation, weld, or fastener failure, component disengagement, or breakage shall not occur under loading equal to 1.5 times worst combination of design loads. Permanent deformation is defined as breakage, disengagement, or deflection without recovery.

4. Deflection:

   a. General: Under maximum wind load pressure, do not exceed following clear span deflections.

      1) Normal to Plane: L/175 or 19mm whichever is less.

      2) Parallel to Plane: L/360 or 3mm, whichever is less.

5. Provide tight joints and effectively seal units and panels against water leakage.

C. Design Modifications: Make design modifications of work shown only as may be necessary to meet performance requirements and coordinate the Work. Variations in details and materials which do not adversely affect appearance, durability or strength shall be submitted to the Architect for review. Maintain the general design concept without altering profiles and alignments shown.

D. LEED Performance Requirements

1. Credit MR 4, Recycled Content: The recycled content (by weight) of the major components shall be identified and documented.

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a. Provide steel with minimum 50% total recycled content.

b. Provide aluminum with minimum 40% total recycled content.

2. Credit MR 5, Regional Materials: The manufacturing locations and origin of raw and salvaged materials shall be identified and documented if sourced within a straight-line 500 mile total travel distance of the project site using a weighted average determined through the following formula: (Distance by rail/3) + (Distance by inland waterway/2) + (Distance by sea/15) + (Distance by all other means) = 500 miles.

3. Credit IEQ 4.1, Low-Emitting Materials, Adhesives and Sealants: All field-applied adhesives and sealants used on the interior of the building shall meet the volatile organic compound (VOC) and chemical component limitations as defined in Section 01 81 13 "Sustainable Design Requirements". VOC contents shall be identified and documented.

4. Credit IEQ 4.2, Low-Emitting Materials, Paints and Coatings: All field-applied paints and coatings used on the interior of the building shall meet the volatile organic compound (VOC) and chemical component limitations as defined in Section 01 81 13 "Sustainable Design Requirements". VOC contents shall be identified and documented.

1.5 **SUBMITTALS**

A. Product Data: Submit for Architect's action. Submit manufacturer's technical literature, specifications and installation instructions describing the general properties of each material and accessory to be used in the Work.

B. Shop Drawings: Submit for Architect's action. Submit shop drawings for the fabrication and installation of the Work. Prepare details at not less than 3 in. = 1 ft. minimum scale. Submit shop drawings showing component details, general arrangement, methods of anchoring, finishing details, and other pertinent information. Include anchors, grounds, reinforcement, accessories, layout, and installation details. Fabricator is to verify field conditions at sign locations and take field measurements prior to preparation of shop drawings.

1. Provide message list for each sign required.

2. Provide large scale details of wording and layout of lettering for each sign type.

3. For signage supported by or anchored to permanent construction, provide setting drawings, templates, and directions for installation of anchor bolts and other anchors to be installed as a unit of Work in other Sections.

4. Furnish full size spacing templates for individually mounted dimensional letters and numbers.

5. Typefaces: Show a complete alphabet with capital and lowercase letters, numerals, and punctuation marks for each typeface specified. Capital letters shall be a minimum of 1 in. tall. Alphabet, numerals, and punctuation marks to be shown with solid black letterforms on a white background. Outlined items are not acceptable.

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6. Logo, Symbols and Arrows: Show logo, symbols, and arrows from artwork provided by Architect. Submittal shall consist of solid black logos and symbols on a white background. Outlined logos and symbols are not acceptable.

7. Patterns: Provide one full size pattern (layout) of each sign type. Pattern shall consist of solid black type on white background. Outlined type is not acceptable.

C. Wiring Diagrams: Submit for Architect's information. Provide wiring diagrams from the manufacturer for illuminated sign units.

D. Samples: Submit for Architect's action. Label samples to indicate product, characteristics, and location in the Work. Samples will be reviewed for color and appearance only. Furnish sufficient samples to establish the full range of colors and textures for materials exposed in the finished work. Compliance with other requirements is the responsibility of the Contractor. Submit the following:

1. Cast Acrylic Sheet and Plastic Laminate: Provide a sample 6 in. by 6 in. by scheduled thickness for each material shown or scheduled. Include a sample for each color, texture, and pattern required. On each panel include a representative sample of the graphic image process required, showing graphic style, and colors and finishes of letters, numbers, and other graphic devices.

2. Aluminum: Provide a sample of each finish type and color, on 6 in. long sections of extrusions and 6 in. by 6 in. by scheduled thickness of sheet or plate. Where finishes involve normal color and texture variations include sample sets showing the full range of variations expected.

3. ***Zinc: Samples of each finish type and color, on 6 in. by 6 in. by scheduled thickness of sheet or plate.***

4. Stainless Steel: Samples of each finish type and color, on 6 in. by 6 in. by scheduled thickness of sheet or plate.

5. Stainless Steel Cable: 12 in. long sample by actual diameter.

6. Paint: Paint, on 6 in. by 6 in. Each specified type, color and sheen applied over applicable substrate.

7. Dimensional Letters: Provide full-size representative samples of each dimensional letter type required, showing letter style, color, material finish, and method of attachment.

8. Vinyl Film: Provide a 3"x3" sample of each type of vinyl mounted in the center of a 6 in. by 6 in. section of clear acrylic.

9. Photopolymer: Submit a 6 in. by 6 in. sample.

10. Platon Digital: Submit a 6 in. by 6 in. sample.

11. Glass: Provide a 6 in. by 6 in. sample of each specified type, color and finish.

12. Fasteners: Each exposed type to be used.

E. Fabricated Samples: Submit for Architect's action. After initial materials review, fabricate items from approved materials samples to be fully assembled to replicate final sign as close as possible. Include applicable attachments devices. Illumination is required if part

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of sign design. Approved items may be incorporated in the Work.

1. ***A01*** ***Complete Sign***
2. ***A02*** ***Complete Sign***
3. ***A03*** ***Complete Sign***
4. ***A04*** ***Complete Sign***
5. ***A05*** ***Complete Sign***
6. ***A06*** ***Complete Sign***
7. ***A07*** ***Complete Sign***
8. ***A08a*** ***Complete Sign***
9. ***A08b*** ***Complete Sign***
10. ***A11*** ***Complete Sign***

11. ***B01*** ***Complete Sign***
12. ***B02*** ***Complete Sign***
13. ***B03*** ***Complete Sign***
14. ***B10*** ***Complete Sign***
15. ***B11*** ***Complete Sign***
16. ***B12*** ***Complete Sign***
17. ***B13*** ***Complete Sign***

18. ***C01*** ***Complete Sign***
19. ***C02*** ***Complete Sign***
20. ***C03*** ***Complete Sign***
21. ***C04*** ***Complete Sign***
22. ***C05*** ***Complete Sign***
23. ***C06*** ***Complete Sign***
24. ***C07*** ***Complete Sign***
25. ***C08*** ***Complete Sign***
26. ***C09*** ***Complete Sign***
27. ***C10a*** ***Complete Sign***
28. ***C10b*** ***Complete Sign***
29. ***C11*** ***Complete Sign***
30. ***C12a*** ***Complete Sign***
31. ***C12b*** ***Complete Sign***
32. ***C13*** ***Complete Sign***
33. ***C14*** ***Complete Sign***
34. ***C15*** ***Complete Sign***
35. ***C16*** ***Complete Sign***
36. ***C17a*** ***Complete Sign***
37. ***C17b*** ***Complete Sign***
38. ***C17c*** ***Complete Sign***
39. ***C18*** ***Complete Sign***
40. ***C19*** ***Complete Sign***
41. ***C20*** ***Complete Sign***
42. ***C21a*** ***Complete Sign***
43. ***C21b*** ***Complete Sign***
44. ***C22*** ***Complete Sign***

45. ***E01*** ***Complete Sign***
46. ***E02*** ***Complete Sign***
47. ***E03*** ***Complete Sign***
48. ***E04*** ***Complete Sign***
49. ***E05*** ***Complete Sign***
50. ***E06*** ***Complete Sign***

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51. ***E07 Complete Sign***
52. ***E08 Area indicated in drawings***

F. Calculations: Submit for Architect's information. Furnish engineering design calculations for signage. Calculations shall be prepared and sealed by a qualified Structural or Civil Engineer licensed in State of California.

G. Quality Control Submittals: Submit for Architect's information.

1. Test Reports

a. Submit copies of the following laboratory test reports:

1) ASTM B137 - Anodic Coating Weight

2) ASTM B244 - Anodic Coating Thickness

3) ASTM B136 - Stain Test

2. Certificates

a. Document Review: Before commencing work, submit a written statement signed by the Contractor and the installer certifying that the Contract Documents, shop drawings and product data have been reviewed with material manufacturers' qualified technical representatives and that they agree the selected materials are proper, compatible with contiguous materials and adequate for the application shown.

b. Submit for Architect's information, Life Safety and ADA approval from authorities having jurisdiction.

c. Submit manufacturer's and fabricator's certification indicating that anodic coating complies with the Contract Documents.

3. Installer/Fabricator's Qualifications: Evidence of successful completion of work of similar scope to that shown and specified for this Project.

4. Manufacturer's Qualifications: Evidence that the specified materials have been manufactured by the same source and successfully utilized for a minimum of 5 years on projects of a similar scope to that shown and specified for this Project.

H. Closeout Submittals: Submit for Owner's Documentation.

1. Warranties: Submit warranties as specified.

2. Maintenance Manual: Describing the materials, and procedures for cleaning and maintaining each type sign and accessory item or assembly. Include manufacturer's data describing the materials and finishes used in the work.

I. LEED Submittal Requirements: Submit for Architect's information.

1. A completed GREEN BUILDING MATERIAL CERTIFICATION FORM (GBMCF), as specified in Section 01 81 15. Information to be supplied for this form shall include:

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a. Cost breakdowns for the materials included in the Contractor or sub-contractor's work. Cost breakdowns shall include total cost plus itemized material costs.

b. Credit MR 4, Recycled Content: The amount of postconsumer and/or preconsumer recycled content.

c. Credit MR 5, Regional Materials: The weighted total travel distance calculated per Option 2.

d. Credit IEQ 4.1, Low-Emitting Materials, Adhesives and Sealants: The VOC content of all interior and field-applied adhesives and sealants.

e. Credit IEQ 4.2, Low-Emitting Materials, Paints and Coatings: The VOC content of all interior and field-applied paints and coatings.

2. GBMCF Back-Up Documentation: These documents are used to validate the information provided on the GBMCF (except cost data). For each material listed on the GBMCF, provide documentation to certify the material's attributes, as applicable:

a. Credit MR 4, Recycled Content: Provide published product literature or letter of certification on the manufacturer's letterhead certifying the amounts of postconsumer and/or preconsumer content.

b. Credit MR 5, Regional Materials: Provide published product literature or letter of certification on the manufacturer's letterhead indicating the city/state where (A) manufacturing plant is located, and (B) location of material extraction (raw, reused, and/or salvaged materials in the product were extracted, harvested or recovered). If only some of the raw materials for a particular product or assembly originate within the 500 mile weighted travel distance to the project site, provide the percentage (by weight) that these materials comprise in the complete product.

c. Credit IEQ 4.1, Low-Emitting Materials, Adhesives and Sealants: Submit printed documentation demonstrating compliance with specified performance requirements.

d. Credit IEQ 4.2, Low-Emitting Materials, Paints and Coatings: Submit printed documentation demonstrating compliance with specified performance requirements.

e. Product cut sheets for materials appearing in the GBMCF. Cut sheets shall be submitted with the Contractor or sub-contractor's stamp, as confirmation that the submitted products are the products installed on the Project.

3. Contractor is required to collect all LEED submittal documentation from the project's subcontractors and assemble into one (1) package per Section or trade, on the GBMCF provided. Submit documentation in compliance with Section 01 81 13. Incomplete or inaccurate LEED submittals may be used as the basis for rejecting the submitted products or assemblies.

1.6 **QUALITY ASSURANCE**

A. Qualified Fabricator/Installer: The signage work shall be performed by a firm having 5

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years experience in the fabrication and installation of specified materials on comparable projects. The firm shall have the approval of the signage manufacturer. The installer shall provide evidence of successful completion of work of similar scope to that shown and specified for this Project using similar signage systems.

B. Sole Source Responsibility: Obtain signage from one source of a single manufacturer for the entire project. Obtain accessory products used in conjunction with the work from the signage manufacturer or from sources acceptable to the signage manufacturer. The manufacturer shall furnish evidence that the specified materials have been manufactured by the same source and successfully utilized on a yearly basis for a minimum of 5 years on projects of a similar scope to that shown and specified for this Project.

C. Regulatory Requirements: Comply with applicable requirements of the laws, codes, ordinances and regulations of Federal, State and Municipal authorities having jurisdiction. Obtain necessary approvals from authorities having jurisdiction, including Life Safety and ADA requirements.

D. Mock-Ups

1. Paper Mock-Up(s): Prior to installation, provide full size paper mock-ups for each sign. Color of paper mock-ups shall be representative of the finished Work. Temporarily mount paper mock-ups on site in location indicated for review and approval by Architect.

2. Visual Mock-Up(s): After approval of samples and Paper Mock-up(s), provide full size visual mock-ups for each type of signage and support, assembled to simulate final conditions in locations in or on the building where directed. Mock-up shall be representative of the finished Work. Retain and maintain mockups during construction in an undisturbed condition as a standard for reviewing the completed signage Work.

3. Obtain Architect's and Owner's acceptance of mock-ups prior to start of Work. Modify mock-ups as directed until acceptance is given. After acceptance, mock-ups may be utilized in the finished Work.

E. Pre-Installation Meeting: Prior to the start of the Work, and at the Contractor's direction, meet at the Project site to review material selections, methods and sequence of installation, special details and conditions, standard of workmanship, quality control requirements, job organization, coordination with other trades, and other pertinent topics related to the Work. The meeting shall include the Architect, the Contractor's, the project superintendent, signage subcontractor, signage manufacturer's representative, and any other subcontractors whose work requires coordination with this Work.

1.7 DELIVERY, STORAGE AND HANDLING

A. Packing, Shipping, Handling and Unloading: Deliver signage and components fully identified for installation complete with fastenings and accessories and protected from damage from any source. Handle signage carefully to prevent breakage, surface abrasion, denting, soiling, and other defects. Comply with the manufacturer's handling instructions for unloading components subject to damage.

B. Acceptance at Site: Inspect sign components for damage upon delivery. Do not install damaged sign components. Repair minor damage to signage, provided the finished repair is equal to the original work and is acceptable to the Architect; otherwise remove and replace damaged sign components.

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C. Storage and Protection: Protect units from damage during transit, storage and installation. Store material indoors in a dry location, off the ground. Tool marks, rust, blemishes and any other damage on exposed surfaces will not be acceptable.

1.8 WARRANTIES

A. General: Warranties and guaranties specified in this Article shall not deprive the Owner of other rights the Owner may have under other provisions of the Contract Documents and are in addition to and run concurrent with other warranties and guaranties made by the Contractor under requirements of the Contract Documents.

B. Special Signage Warranty: Submit for Owner's documentation. Provide a written signage warranty, for a five year period, against defects of materials or workmanship. Upon notification of such defects, within the warranty period, make the necessary repairs and replacements, at the convenience of the Owner. Failures, include but are not limited to:

1. Failure of the system to meet specified requirements.

2. Deterioration of metals, metal finishes coatings and other materials. Failures include, but are not limited to, color fade, chalking, blistering, peeling and adhesion.

3. Failures of lighting include, but are not limited to, color, intensity, evenness, and brightness.

1.9 MAINTENANCE

A. Extra Materials: Deliver to Owner, at Project site, the following items of extra stock. Deliver in individual protective packing clearly marked with Project name, text, and description.

1. ***Provide one package of paper to be used in the paper inserts.***

PART 2 - PRODUCTS

2.1 METAL MATERIALS

A. Stainless Steel

1. AISI Type 316.

a. Plate and Sheet: ASTM A666. Stretcher level sheets and plates.

b. Bar Stock: ASTM A276.

c. Tubing: ASTM A 554, Grades MT 301, MT 302, or MT 304, as standard with manufacturer.

d. Cable: "1/8 in. Cable Assembly" (Cable-Rail), or equal. Provide complete assembly, including fittings.

B. Aluminum

1. Aluminum Sheet: Provide aluminum sheet of alloy and temper recommended by

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the aluminum producer or finisher for the type of use and finish indicated, and with not less than the strength and durability properties specified in ASTM B209 for 5005-H15.

2. Aluminum Extrusions: Provide aluminum extrusions of alloy and temper recommended by the aluminum producer or finisher for the type of use and finish indicated, and with not less than the strength and durability properties specified in ASTM B221 for 6063-T5.

3. Aluminum Castings: Provide aluminum castings of alloy and temper recommended by the aluminum producer and finisher for the casting process used and for the use and finish indicated.

C. Steel

1. Steel Shapes: ASTM A36, galvanized after fabrication.

2. Steel Sheets: ASTM A366, Class I, Matte Finish; Open hearth, full pickled, cold-rolled, annealed, stretcher leveled and phosphatized sheet steel, entirely free from scale, waves and other defects.

3. Galvanized Sheet Steel: ASTM A653, G90 coating (minimum spangle), either commercial quality or structural quality, Grade 33, phosphatized; stretcher leveled.

4. Steel Tubing: ASTM A500; Cold-formed, welded or seamless process. For exterior use and other locations noted, provide hot-dip galvanized (minimum spangle) tubing in accordance with ASTM A53. Where noted or specified, provide factory-applied finish in colors as selected by the Architect.

5. Bar Stock: ASTM A675, Grade 65, or ASTM A36.

2.2 PLASTIC MATERIALS

A. Plastics

1. Cast Acrylic Sheet: Provide cast (not extruded or continuous cast) methyl methacrylate monomer plastic sheet with a minimum flexural strength of 16,000 psi when tested in accordance with ASTM D790. Polish acrylic edges. Provide the following general types:

a. Transparent Sheet: Where sheet material is noted as "clear," provide colorless sheet in matte finish, with light transmittance of 92%, when tested in accordance with the requirements of ASTM D1003.

b. White Translucent Sheet: Where sheet material is noted as "white," provide white translucent sheet of density required to produce uniform brightness and minimum halation effects.

c. Opaque Sheet: Where sheet material is noted as "opaque," provide colored opaque acrylic sheet in colors and finishes as selected from the manufacturer's standards.

d. ***Green-cast Acrylic Sheet: Special type of color, sheen, polish and texture. Match Acrylite acrylic sheet–5110-9 glass screen, P-95 Matte finish inside. Source: Pacific Coast Plastics, 1299N McDowell***

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2. Colored Coatings for Acrylic Plastic Sheet: Use colored coatings, including inks and paints for copy and background colors that are recommended by acrylic manufacturers for optimum adherence to acrylic surface and are nonfading for the application intended.

3. ~~***Polycarbonate Sheet: Provide ultraviolet-light-resistant, surface-treated polycarbonate sheets with a minimum flexural strength of 13,500 psi when tested in accordance with ASTM D790 at 240 deg F. (116 deg C.) allowable continuous service temperature, and Izod impact strength of 16 ft-lb per inch when tested in accordance with ASTM D256.***~~

   ~~a. *Translucent Sheet: Provide white translucent polycarbonate sheet of density required to produce uniform brightness and minimum halation effects, where material is shown as "white."*~~

   ~~b. *Opaque Sheet: Provide colored opaque polycarbonate sheet in colors and finishes as selected from the manufacturer's standards, where material is shown as "opaque."*~~

B. Vinyl Film

1. Computer cut opaque and translucent non-reflective vinyl film, 0.0035 in. min. thickness, with pressure-sensitive adhesive backing, suitable for exterior and interior applications and guaranteed not to delaminate from substrate under conditions of use shown. Provide integral color noted. 3M's Scotchcal Film Series, or equal.

2. Pre-spaced stylus-cut letters. Provide in specified typeface logo, symbol, color and spacing with each message or message group on a single quick release backing sheet.

C. Photopolymer: Water wash photopolymer, NovAuryl, PT series photopolymer on clear PETG with UV inhibitor. Nylon resin based photopolymer layer 0.032 in. Photopolymer durometer 80 shore D hardness. Standard surface texture. Base thickness 0.118 in.

2.3 GLASS MATERIALS

A. Fully Tempered Glass: Comply with ASTM C1048, Kind FT, and meeting the requirements of ANSI Z97.1. Surface compression shall be 69MPa minimum. Type and thickness as shown or specified.

1. Glass for Heat Treating

   a. Float, Type I, Class 1, Quality Q3.

2. Sizes and Cutting: Prior to heat treating, cut glass to required sizes as determined by accurate measurement of openings to be glazed, making allowance for required edge clearances. Cut and process edges in accordance with glass manufacturer's recommendations. Do not cut or treat edges in the field.

3. General: For glass which has been heat treated horizontally, maintain roller marks running horizontally in the final installation, wherever possible. For glass

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which has been heat treated vertically, locate tong marks along an edge which will be concealed in the glazing system.

a. Overall Bow and Warp Tolerances: Heat treated glass shall be examined by the glass manufacturer to detect and discard lites which exceed one half (50%) the maximum bow and warp tolerances in any direction as listed in ASTM C1048 Table 2.

b. Roll Ripple Tolerances: Where the heat treatment process results in essentially parallel ripples or waves, the deviation from flatness at any peak (peak to valley deviation) shall not exceed 0.13mm or the average rollerwave distortion shall be certified not to exceed 0.05 mm, with a maximum sag at the leading and trailing edge of 0.25 mm. (The more stringent requirement governing). A site inspection if required, for roller wave and bow tolerances should be viewed from a minimum distance of 3 meters.

2.4 FASTENERS, ANCHORS AND ADHESIVES

A. Adhesives: Types best suited for the purpose, waterproof for exterior use. Provide optically clear adhesive when bonding to glass.

B. Pressure Sensitive Tape: "Scotchmount" (3M), double faced tape, guaranteed not to delaminate under conditions of use indicated. Provide optically clear tape when bonding to glass.

C. Anchors and Inserts: Use nonferrous metal or hot-dipped galvanized anchors and inserts for exterior installations and elsewhere as required for corrosion resistance. Use toothed steel or lead expansion bolt devices for drilled-in-place anchors. Furnish inserts, as required, to be set into concrete or masonry work.

D. Fasteners: Type best suited for the purpose intended, compatible with materials being fastened, concealed wherever possible. Where exposed in finished surfaces, provide color and finish to match adjacent surfaces.

2.5 MISCELLANEOUS MATERIALS

A. Proprietary Graphics System: Platon Digital, or equal.

1. Changeable graphic print: 3 mil laminate on 7 mil polypro paper with a patented magnetic receptive coating.

2. Magnetic Substrate: 0.20 mil Flexible Magnetic Sheeting adhered to a rigid substrate.

3. Source: Platon Digital Graphics
136 Oregon Street
El Segundo, CA 90245
Phone: 310.204.0292
Contact: Mr. Charles Platon

B. Illuminated Units

1. Provide illumination as shown using standard lighting components. Provide an accessible concealed internally wired system to illuminate Logo and Word Mark

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uniformly with uniform halo around Logo element and each character in the Word Mark. Make provisions for servicing and concealed connection to electric service. Coordinate electrical characteristics with those of the power supply provided.

a. LED Light Strip: Provide the number of strips required by the sign sizes to achieve appropriate intensity and brightness. “Hyperion R-Lite System” (Lumificient Technologies, LLC), or equal. Color: Super Bright White. www.lumificient.com.

b. Provide transformers, insulators, and all components necessary for operation.

C. Concrete Materials: Use materials as specified in Section 03 30 00 "Cast-In-Place Concrete" to obtain a strength of 4000 psi at 28 days.

1. Metal Reinforcement and Accessories: Comply with the applicable requirements of Section 03 20 00 "Concrete Reinforcing"; size and shape as detailed.

D. Plywood: Exterior type medium density overlay plywood, edge banded with solid hardwood, for painted finish. Comply with the applicable requirements of Section 06 10 00 "Rough Carpentry".

E. Medium Density Fiberboard (MDF): Sierra Pines “Medite”, or equal. Omnidirectional, stable core with homogeneous mat structure.

F. Welding Electrodes: Type and alloy recommended by the producer of the metal to be welded and as required for color match, strength and compatibility in the fabricated items.

G. Silicone Sealant: ASTM C920, Type S, Grande NS, Class and Use as best suited for the intended purpose. Provide on of the following:

1. “Silpruf 2000” (General Electric Co.)

2. “795 Building Sealant” or “790 Building Sealant” (Dow Corning Corp.)

H. Backer Rod: Extruded polyolefin foam made of a non-absorbing outer skin and interior network of open and closed cells, which does not out-gas when ruptured. Provide one of the following:

1. "Sof-Rod" (Nomaco).

2. “ITP Soft Type Backer Rod” (Industrial Thermo Polymers Ltd.)

2.6 PAINT AND COATING MATERIALS

A. Paint: Provide primer and finish paint as supplied by a single manufacturer for the entire project.

1. Exterior Ferrous Metal Primer: Compatible with finish coats of paint; shop apply primer to the respective dry film mil thickness specified or as recommended by the manufacturer; Provide one of the following:

a. "FC27 Typoxy" (Tnemec Co. Inc.); 4.0 - 6.0 mils d.f.t.

b. "Carboguard 890N" (Carboline Co.); 4.0 - 6.0 mils d.f.t.

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c. "Amerlock 400" (Ameron Protective Coatings); 4.0 - 6.0 mils d.f.t.

2. Interior Ferrous Metal Primer: Compatible with the finish coats of paint (see Section 09 91 00 "Painting" for finish coats of Paint); shop apply primer to the respective dry film mil thickness specified or as recommended by the manufacturer; Provide one of the following:

a. "Series 10-99" (Tnemec Co. Inc.); 2.0 - 3.5 mils d.f.t.

b. "Carbocoat 115SG" (Carboline Co.); 2.0 mils d.f.t.

c. "Amercoat 5105" (Ameron Protective Coatings); 2.0 - 3.0 mils d.f.t.

3. Finish Paint: In accordance with requirements of Section 09 91 00 “Painting”.

4. Galvanizing Repair Paint: Zinc rich paint for repairing galvanized surfaces and field welds complying with requirements of ASTM A780. Thickness of applied galvanizing repair paint shall be not less than coating thickness required by ASTM A123 or ASTM A153 as applicable.

5. Dielectric Separator: Cold applied, asphalt emulsion type complying with ASTM D1187, non-sagging, resistant to severe corrosion conditions; applied in two coats for an overall minimum dry film thickness of 25 mils or heavy coating of epoxy paint in minimum 2.0 mil dry film thickness.

2.7 COLOR SCHEDULE

A. ***Paint Colors:***
1. ***Refer to sheet G0.01 for color schedule***

B. ***Vinyl Colors:***

1. ***Refer to sheet G0.01 for color schedule***

2.8 FINISHES

A. General: As shown for the respective units and matching the reviewed samples. Remove scratches, abrasions, dents, die markings and other defects prior to finishing operations. Perform this work in addition to finish treatment specified. Comply with NAAMM "Metal Finishes Manual" for finish designations and application recommendations unless otherwise specified. Apply materials and perform work with care to a uniform thickness, showing no runs, sags, crawls or other defects. Finish surfaces shall be uniform in sheen, color and texture.

B. Stainless Steel

1. No. 4 (bright directional polish). Horizontal grain.

2. No. 6 (satin directional polish).

3. No. 7 (highly reflective directional polish).

4. No. 8 (non-directional mirror polish).

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C. Aluminum:

1. Surface Preparation: Chemically treat aluminum in accordance with ASTM D1730, Type B, Method 5 or 7.

2. Polyurethane Enamel: Provide special, factory mixed custom colors as scheduled.

a. Matthew's Paint Co.'s VOC MAP, or equal; sheen to be semigloss to match Architect's sample; use primers recommended by paint manufacturer. Coatings shall not fade, discolor, craze, or delaminate as a result of proximity to UV light or heat.

b. Tnemec System:

1) Primer: "Hi-Build Epoxoline II Series V69" Tnemec Company, Inc.

2) Intermediate Coat: "Series 1075" Tnemec Company, Inc. 2.0 mils d.f.t.

3) Finish: "Fluoronar Metallic Series 1078" Tnemec Company, Inc.

3. Graphics Coating: "Series 1075". Tnemec Company, Inc. Apply 2 coats at 2.0 mils dry film thickness, each coat. Apply within 14 days of polyurethane enamel coating application.

D. Enamel Paint for filling Engraving and Etching: DuPont enamel.

1. Etch graphics 1/16 in. deep in accordance with manufacturer's instructions. Fill to be uniform, showing no runs, bubbles or other defects.

E. Anodized Aluminum Finishes: Anodize material after cutting and assembling has occurred, so that visible edges of material are completely anodized.

1. Natural Anodized, AA-M12C22A41, Class I Architectural: clear film thicker than 0.7 mil complying with AAMA 607.1. Provide non-directional finish.

2. Anodized finishes shall be fully sealed by the manufacturer or processor according to procedures recommended by the licensor of the process.

F. Chrome Plating: Apply materials with care to a uniform thickness, showing no runs, sags, crawls or other defects. Surfaces shall be uniform in sheen, color and texture and have a polished finish.

G. Platinum Leaf Applied to Glass: Prepare no. 2 glass surface to receive platinum leaf. Size, apply and burnish platinum leaf per manufacturer's recommendations. Apply clear (non-yellowing) protective coating to platinum leaf on glass substrate per manufacturer's recommendations.

2.9 GRAPHICS

A. Graphic Content and Style: Provide sign copy to comply with the requirements shown for sizes, styles, spacing, content, positions, materials, finishes, and colors of letters, numbers, symbols, and other graphic devices.

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B. Typefaces:

1. General: ***Texta Narrow Regular, Medium; Helvetica Neue Condensed Bold***, and Braille.

2. Letter Spacing: Match design document.

3. Sources:

a. Helvetica ***Neue Condensed Bold***: ***www.fonts.com***

b. ***Texta Narrow: www.fonts.com***

c. Braille: Society for Environmental University's Representatives. 401 F. Street NW, Suite 333, Washington, D.C. 20001.

C. Raised Copy and Braille: Raised copy and symbols to be raised 1/32 in. with crisp edges. Braille to be raised 1/40 in. and to be a domed or rounded shape. Raster voids are to be precision milled into the substrate material in order to allow the proper raster height and interdot spacing as specified above.

D. Surface-Applied Die-Cut Vinyl Copy: Provide die-cut characters from non-reflective vinyl film with pressure-sensitive adhesive backing. Apply copy to the exposed face of the sign panel.

E. Surface-Applied Cutout Letters and Numbers: Cut copy characters from solid material of thickness shown. Produce precisely cut characters with square cut, smooth edges. Apply to exposed face of the sign panel with concealed, noncorrosive fasteners. Comply with requirements shown for finish, style, and size.

F. Subsurface Copy: Apply copy to the back face of acrylic sheet forming the panel face by the process shown to produce precisely formed opaque images, free from rough edges.

1. Use reverse silk-screen process to print copy; overspray the copy with an opaque background color coating.

G. Cutout Copy: Machine-cut letters, numbers, symbols, and other graphic devices through the sign panel to produce precisely formed copy. Use high-speed cutters mechanically linked to master templates in a pantographic system or equivalent process capable of producing characters of the style shown with sharply formed edges.

2.10 FABRICATION

A. Manufacturer's Instructions: Prepare substrates, apply primers and install the work of this Section, including equipment, components, and accessories in accordance with the manufacturer's instructions, except where more stringent requirements are shown or specified, and where project conditions require extra precautions or provisions to ensure satisfactory performance of the Work.

B. Field Measurements: Take field measurements to ensure proper fitting. Advise Architect of any conditions adversely affecting fabrication. Show recorded measurements on final shop drawings. Coordinate fabrication schedule with the work of other trades and the construction progress to avoid delay.

C. Fabricate in accordance with standard trade practices and in accordance with final shop drawings. Materials shall be single piece for each location wherever possible. Fabricate

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units in largest practicable sections. Assemble in the shop for trial fit, disassemble for shipment and reassemble with concealed fasteners. If design or material limitations require seaming or jointing, locate joints or seams on shop drawings for review by Architect.

D. Reinforcing shown is the minimum requirement. Provide additional reinforcing as required to ensure a rigid assembly. Exposed surfaces shall be free from dents, tool marks, warpage, buckle, glue and open joints, or other defects affecting serviceability or appearance. Accurately fit joints, corners and miters. Conceal fasteners.

E. Neatly cut and apply lettering in a straight line. Properly space lettering in accordance with final shop drawings.

F. Metal Work

1. Forming: Form work to true shapes, without distortion, with accurate surfaces and edges. Unless otherwise shown, form metal corners by bending to smallest radius possible without impairing the work. Machine cut or saw material for butt jointed or square corners. Carefully fit and assemble work with continuity of line and design, using rigidly secured joints with hairline contact, unless otherwise shown. Form butt hairline joints with roll-over edge exposed.

2. Welding: Weld metal joints, grind smooth, and polish. Methods and procedures per referenced Standards and manufacturer's recommendations. Weld distortions visible in surfaces exposed to view not permitted. Welding shall be of adequate strength and durability with joints tight and flush, smooth, and clean. All exposed surfaces shall be ground and finished flush, free of weld marks. Welding on finish surfaces shall be indistinguishable from parent material.

3. Waterjet Cutting: Computer controlled, pressurized, needle thin stream of water mixed with abrasive particles of garnet; exerting 50,000 psi on cutting area with no pressure or heat on material surrounding the cut. Process shall provide accurately cut parts with precise corners and perfectly aligned angles. Water-jet cut parts from solid plate and bar material, with square cut, smooth edges. Finish returns to match face.

4. Casting: Form individual letters and numbers by casting. Produce characters with smooth, flat faces, sharp corners, and precisely formed lines and profiles, free from pits, scale, sand holes, or other defects. Cast lugs into the back of characters and tap to receive threaded mounting studs. Comply with requirements shown for finish, style, and size.

5. Tolerances:

   a. Variation From Dimension: Not more than 1/32 in. variation in height or length.

   b. Variation From Flatness: Measure slope of surface of surface of any point; do not exceed 1/8 in. in 3 ft.

6. Finish: Apply mechanical finish to each stainless steel sign component after forming, assembly, and welding.

7. Reinforcing: Reinforce members and joints with structural shapes and plates in concealed locations, as necessary for adequate strength and rigidity.

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8. Dissimilar Metals: Separate dissimilar metals with dielectric separator to prevent galvanic action. Do not extend coatings onto exposed surfaces.

2.11 PANEL SIGN FABRICATION

A. Panel Signs: Comply with requirements shown for materials, thicknesses, finishes, colors, designs, shapes, sizes, and details of construction. Produce smooth, even, level sign panel surfaces, constructed to remain flat under installed conditions within a tolerance of plus or minus 1/16 in. measured diagonally.

B. Stone Carving:

1. Coordination: Stone Panels provided by others. Sign Fabricator to coordinate access to stone panels prior to their installation.

2. Graphics to be hand carved 90º V-cut into stone panels. Each stroke of the copy to be a crisp and sharp “V” shape. Match Architect’s sample.

3. Prepare the carved stone surface to receive platinum leaf, and size, apply and burnish platinum leaf per manufacturer’s recommendations.

4. Apply a clear (non-yellowing) protective coating to platinum leaf per manufacturer’s recommendation.

C. Laminated Sign Panels: Permanently laminate face panels to backing sheets of material and thickness shown using the manufacturer's standard process.

D. Brackets: Fabricate brackets and fittings for bracket-mounted signage from extruded aluminum to suit sign panel construction and mounting conditions shown. Factory-paint brackets in a color matching the background color of the sign panel.

E. Graphic Content and Style: Provide sign copy that complies with the requirements (including ADA requirements) shown for size, style, spacing, content, position, material, finishes, and colors of letters, numbers, and other graphic devices.

F. Engraved Copy: Machine-engrave letters, numbers, symbols, and other graphic devices into sign panel on the face shown to produce precisely formed copy, incised to 1/8 in. uniform depth. Use high-speed cutters mechanically linked to master templates in a pantographic system or equivalent process capable of producing characters of the style shown with crisply formed edges.

1. Engraved Plastic Laminate: Engrave through the exposed face ply of the plastic laminate sheet to expose the contrasting core ply.

2. Engraved Metal: Fill engraved copy with enamel.

3. Engraved Opaque Acrylic Sheet: Fill engraved copy with enamel.

4. Face-Engraved Clear Acrylic Sheet: Fill engraved copy with enamel. Apply opaque background color coating to the back face of acrylic sheet. Engrave the copy to produce a minimum indentation depth of 1/32 in. and a minimum stroke width of 3 in.

5. Subsurface-Engraved Acrylic Sheet: Reverse-engrave the back face of clear acrylic sheet. Fill resulting copy with enamel. Apply opaque background color coating over enamel-filled copy.

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G. Chemical Etching: Etch copy using chemicals to create letters, numbers, symbols, and other graphic devices into sign panel on the face shown to produce precisely formed copy, incised to 1/8 in. uniform depth. Produce work consisting of style shown with crisply formed edges.

1. Chemically Etched Metal: ~~***Fill copy with enamel paint.***~~ ***Paint copy color indicated in the drawings***

H. Screen Printing: Perform screen printing from computer generated type, symbols and icons.

1. Execute screen printing so that edges and corners of finished letter forms and graphic devices are true and clean. Screen printing with rounded positive or negative corners, edge build-up, bleeding, or any other imperfections will be rejected.

2. Polyurethane enamel to be 100% opaque and evenly applied without pin-holes, scratches, orange peeling, or application marks. Screen printing which has any "show thru" of background colors will not be accepted. Trap and fill colors in the screening process as required to maintain integrity of colors.

3. Provide prime coats or other surface pre-treatment, where recommended by the manufacturer of screen print enamels. Apply screen print enamels in accordance with manufacturer's instructions.

I. Masked and Sprayed Graphics: Spray graphics onto face of panel using computer-cut stencils to mask background.

1. Masked and sprayed graphics shall have same sheen as surrounding material and shall be indistinguishable in finish from surrounding material.

2. Execute sprayed graphics so that edges and corners of finish letter forms and graphic devices are true and clean. Any rounded positive or negative corners, edge build up, bleeding, or any other imperfections will be rejected.

3. Sprayed graphics to be 100% opaque and evenly applied without pin holes, scratches, orange peeling, or application marks. Spraying with any "show thru" of background colors will not be accepted.

J. Subsurface Copy: Apply copy to the back face of glass by process shown to produce precisely formed opaque images, free from rough edges.

K. Photopolymer: Follow manufacturer's recommendations. Expose photopolymer material to ultraviolet light through a high contrast negative. The ultraviolet will cross link the polymers and harden the image. Wash away the unexposed portion of the negative.

L. Raised Copy: Machine-cut copy characters from matte-finish opaque acrylic sheet and chemically weld onto the acrylic sheet forming sign panel face. Produce precisely formed characters with square cut edges free from burrs and cut marks.

M. Applied Copy: Die-cut characters from vinyl film with pressure- sensitive adhesive backing. Apply copy to the exposed face of the sign panel.

N. Illuminated Units: Provide internal illumination as shown using standard lighting components. Provide an accessible concealed internally wired fluorescent strip fixture

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system to illuminate message panels uniformly with minimum halation and without light leaks. Make provisions for servicing and concealed connection to electric service. Coordinate electrical characteristics with those of the power supply provided.

1. ~~***Fluorescent Tubes: Provide the number of tubes shown or required by the sign panel size.***~~

2. ~~***Ballasts: Provide low-temperature, high-power-factor, low-energy, exterior-type fluorescent lamp ballasts that comply with Certified Ballast Manufacturers Association standards and carry the CBM label.***~~

3. ~~***Provide transformers, insulators, and other components necessary for operation.***~~

4. ***LED Fixtures: Provide the number of tubes shown or required by the sign panel size.***

5. ***Drivers: Provide low-temperature, high-power-factor, low-energy, exterior-type LED drivers that comply with UL Laboratories. LED fixtures to be dimmable and brightness set in the field.***

6. ***Provide transformers, dimmers, insulators, and other components necessary for operation.***

7. ***Fixture Type FX3: Luminii Kendo M Wet Graze, or equal. Provide complete assembly including fittings and connections.***

8.

2.12 DIMENSIONAL LETTERS AND NUMBERS FABRICATION

A. Cutout Letters and Numbers: Cut letters and numbers from solid plate material of thickness shown. Produce precisely cut characters with square cut, smooth edges. Comply with requirements shown for finish, style, and size.

B. Fabricated Letters and Numbers: Fabricate letters and numbers to required sizes and styles, using metals and thicknesses shown. Form exposed faces and sides of characters to produce surfaces free from warp and distortion. Include internal bracing for stability and attachment of mounting accessories. Comply with requirements shown for finish, style, and size.

1. Letter Style: ~~***Helvetica, Gothic, Roman, Futura.***~~ ***Per Design Documents***

2. Illuminated Units: Illuminate dimensional letters and logo in the manner shown using manufacturer's standard lighting components including LED. Coordinate electrical characteristics with those of the power supply provided. Conceal power connection to the building system. Make provisions for servicing components.

   a. Halo Illumination: Uniformly illuminate around letter forms and logo. Provide uniform appearance among letters in sign. Provide complete LED light source that meets electrical code requirements. Level of lighting to be sufficient to provide desired effects.

   b. Provide timing device in location determined by Owner. Timer to allow Owner to program and adjust automatic on/off features of illuminated signage.

2.13 CAST METAL PLAQUE FABRICATION

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A. Plaques: Castings shall be free from pits, scale, sand holes, or other defects. Hand-tool and buff borders and raised copy to produce the manufacturer's standard satin polished finish.

2.14 POST MOUNTED SIGN FABRICATION

A. Aluminum Posts: Provide the manufacturer's standard 1/8 in. thick minimum structural aluminum tubing with vertical slots to engage sign panels. Provide stop blocks in slots to hold panels in position. Include post caps, fillers, spacers, junction boxes, access panels, and related accessory items required for a complete installation.

B. Galvanized Steel Posts: Provide 11 gauge galvanized seamless square steel posts in length adequate for mounting method specified. Include post caps, fillers, spacers, junction boxes, access panels, and related accessory items required for a complete installation. Comply with the following requirements for post shape, finish, and mounting method shown:

C. Fabricate posts to lengths required for mounting method shown.

1. Direct Burial: For permanent sign installation, provide posts 36 in. longer than height of sign shown to permit direct embedment in concrete foundations.

2. Base Plate: For removable post installations, provide posts with base plates, flanges, or other fittings of sizes recommended by the manufacturer, welded to bottom of posts. Predrill slotted holes in base plate for anchor bolt connection.

   a. Furnish templates as necessary for accurate setting of anchor bolts in concrete foundations.

   b. Provide anchor bolts of size required for connection of posts to concrete foundations.

3. Sleeves: For removable post installation, provide internal reinforcing of the type recommended by the manufacturer, sized for a close fit inside posts. For direct embedment of internal reinforcing in concrete foundations, provide lengths 36 in. longer than length needed to attach posts securely to the reinforcing and prevent the sign from overturning when subjected to normal loading conditions prevailing at the site. Furnish templates as necessary for accurate setting of sleeves in concrete foundations.

2.15 SOURCE QUALITY CONTROL

A. Contractor's Quality Control Responsibilities: Contractor is solely responsible for quality control of the Work.

PART 3 - EXECUTION

3.1 GENERAL

A. Manufacturer's Instructions: Prepare substrates, apply primers and install the work of this Section, including equipment, components, and accessories in accordance with the manufacturer's instructions, except where more stringent requirements are shown or specified, and where project conditions require extra precautions or provisions to ensure satisfactory performance of the Work.

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3.2 **EXAMINATION**

A. Verification of Conditions: Examine the areas to receive the Work and the conditions under which the Work would be performed. Remedy conditions detrimental to the proper and timely completion of the Work. Do not proceed until unsatisfactory conditions have been corrected.

3.3 **PREPARATION**

A. Substrate Acceptability: Commencement of installation shall constitute acceptance of substrate conditions by the Installer.

B. Locate signage for Owner's and Architect's review prior to installation. Make adjustments to final position as directed.

C. Coordination: Provide items to be placed during the installation of other work at the proper time to avoid delays. Coordinate placement of such items, including inserts and anchors, accurately in relation to the final location of signage.

D. Clean and prepare substrate as required to ensure proper adhesion of signage to the surface.

3.4 **INSTALLATION**

A. Signage shall be installed level and plumb, secured as shown on the Drawings and final shop drawings and in compliance with the manufacturer's instructions and with sign surfaces free from distortion or other defects in appearance. Cutting, trimming, fitting and matching of prefinished work is not permitted.

B. Wall Mounted Panel Signage: Attach panel signage to wall surfaces using the methods shown below:

1. Vinyl-Tape Mounting: Use double-sided foam tape, of thickness shown, to mount signage to smooth, nonporous surfaces. Do not use this method for vinyl-covered or rough surfaces.

2. Silicone-Adhesive Mounting: Use liquid silicone adhesive recommended by the sign manufacturer to attach sign units to irregular, porous, or vinyl-covered surfaces. Use double-sided vinyl tape where recommended by the sign manufacturer to hold the sign in place until the adhesive has fully cured.

3. Shim Plate Mounting: Provide concealed aluminum shim plates 1/8 in. thick, with predrilled and countersunk holes, at locations shown and where other mounting methods are not practicable. Attach the plate with fasteners and anchors suitable for secure attachment to the substrate. Attach panel sign units to the plate using the method specified above.

C. Bracket-Mounted Units: Provide the manufacturer's standard brackets, fittings, and hardware as appropriate for mounting signage that project at right angles from walls and ceilings. Attach brackets and fittings securely to walls or ceilings with concealed fasteners and anchoring devices to comply with manufacturer's directions.

D. Dimensional Letters and Numbers: Mount letters and numbers using standard fastening methods recommended by the manufacturer for letter form, type of mounting, wall construction, and condition of exposure shown. Provide heavy paper template to

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establish letter spacing and to locate holes for fasteners.

1. Flush Mounting: Mount letters with backs in contact with the wall surface.

2. Projected Mounting: Mount letters at the projection distance from the wall surface shown.

E. Cast Metal Plaques: Mount plaques using the standard method recommended by the manufacturer for the type of wall surface shown.

1. Concealed Mounting: Mount the plaques by inserting threaded studs into tapped lugs on the back of the plaque. Set in predrilled holes filled with quick-setting cement.

2. Face Mounting: Mount plaques using exposed fasteners with rosettes attached through the face of the plaque into the wall surface.

F. Vinyl Letters: Apply per manufacturer's recommendations. Clean substrates to assure proper bond. Accurately align and space letters. Apply smooth and free from wrinkles, bubbles, or other defects.

G. Foundations for site signage: Provide bracing necessary until concrete attains full design strength.

H. Signage painted directly on building substrates shall be neatly stenciled on and shall be sharp, clear and true. Accurately space individual letters.

I. Installation of Exterior Post Type Signage

1. Excavation: In firm, undisturbed or compacted soil, drill or excavate holes for each post to the minimum diameter recommended by the sign manufacturer.

2. Setting Posts: Center and align posts in holes 3 in. above bottom of the excavation. Protect portion of posts above ground from concrete splatter. Place concrete around posts and vibrate or tamp for consolidation.

3. Install signage level, plumb, and at the height shown, with sign surfaces free from distortion or other defects in appearance.

3.5 ADJUSTING

A. Touch-Up Painting: Field paint marred or abraded shop paint after cleaning these areas.

B. Touch-Up to Polyurethane Enamel: Touch up damaged, scratched, marred or abraded exposed polyurethane enamel utilizing manufacturer/fabricator approved paint system in matching colors and sheen using means and methods as recommended by the manufacturer. Obtain Architect's approval of finished touch-up.

3.6 CLEANING

A. Maintenance of Installation: Maintain the signage throughout the construction period in a clean and properly protected condition so that it will not be damaged at the time of acceptance by the Owner. Cleaning and protective methods shall be carefully selected, applied and maintained so that finishes will not become uneven or otherwise impaired as a result of unequal exposure to light and weathering. Immediately remove any deleterious material from finished surfaces.

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B. Cleaning: Upon completion of installation, wash exposed surfaces using methods as recommended by manufacturer to leave clean and free from blemishes. Protect the Work during construction period so that it will be without indication of deterioration, use or damage at time of acceptance.

3.7 **PROTECTION**

A. Protection: Protect the Work during erection and construction to avoid non-uniformity of appearance or other defects in the Work. When requested for inspection of finishes, remove and replace temporary protection. Remove protection when no longer required. Protect the work during erection and construction to avoid development of non-uniformity of appearance or other deleterious effects in the Work. Remove protection when requested by Architect for inspection of finishes and replace. Remove protection when no longer required.

3.8 ***MESSAGE SCHEDULE***

A. ***See Appendix D for Message Schedule***

END OF SECTION

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SECTION 27 41 16
INTEGRATED AUDIO-VIDEO SYSTEMS AND EQUIPMENT

PART 1 - GENERAL

1.1 SUMMARY

A. This section of the specification defines the audiovisual spaces to be installed at Monterey Conference Center

1. Audiovisual spaces and systems:

a. Serra Ballroom
b. Level 1 North and East Lobby
c. Level 1 Restrooms
d. Mezzanine Level
e. Steinbeck Ballroom
f. Level 2 North and East Pre-function
g. Level 2 Colton Meeting Rooms
h. Level 2 Restrooms
i. Terrace Deck

1.2 RELATED DOCUMENTS

A. All divisions of the specification and general provisions of the Construction Documents.

B. Architectural, mechanical, electrical, and all communications specifications and drawings.

C. Section 27 08 20 Certification of Audio-Video Systems

D. Section 27 15 00.23 Audio-Video Communications Horizontal Cabling

E. Section 27 41 00 Audio-Video Systems

1.3 REFERENCES

A. Abbreviations and Acronyms:

1. EIA Electronics Industry Alliance
2. TIA Telecommunications Industry Association
3. UL Underwriters Laboratories
4. AV Audiovisual

B. Codes and Regulations: (Note: Reference Division One for specific code versions governing the work in addition to the information noted below.)

1. National Electric Code, (NEC)
2. National Electric Safety Code (NESC)
3. Americans with Disabilities Act (ADA)

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4. ADA Accessibility Guidelines (ADAAG)
5. Building Officials & Code Administrators International, Inc. (BOCA) National Building Code
6. National Fire Protection Association (NFPA)
7. Local Municipal Codes

C. Reference Material: Refer to the most recent version, update or addenda.

1. Building Industry Consulting Services International (BICSI) Manuals:
   a. AV Design Reference Manual (AVDRM) 1st Edition

D. Standards:

1. Equipment and materials specified shall conform to the current edition of the following standards where applicable:

a.	ADA	Americans With Disabilities Act
b.	AES	Audio Engineering Society
c.	ANSI	American National Standards Institute
d.	ASTM	American Society for Testing Materials
e.	BICSI	Building Industry Consulting Services International
f.	DAS	Division of State Architect Access Checklist
g.	EIA	Electrical Industries Association of America
h.	ETL	Electrical Testing Laboratories
i.	FCC	Federal Communications Commission
j.	ISO	International Standards Organization
k.	NAB	National Association of Broadcasters
l.	NEMA	National Electrical Manufacturer's Association
m.	SMPTE	Society of Motion Picture and Television Engineers
n.	UL	Underwriters Laboratories

1.4 DEFINITIONS

A. The following shall serve as general identifiers as specified herein.

1. Contractor: The firm submitting a proposal to furnish and install the Work as defined within this Specification.
2. Project: The audiovisual systems to be installed at the Monterey Conference Center.

B. As used in the Drawings and Specifications for the Work, certain non-technical words and phrases shall be understood to have specific meanings as follows, regardless of indications to the contrary in the General Conditions or other documents governing the Work.

1. "Furnish": Purchase and deliver to the project site complete with every necessary component and support mechanism, as part of the Audiovisual Systems Work.
2. "Install": Unload at the delivery point at the site and perform every operation necessary to establish secure mounting and correct operation at the proper location in the project, all as part of the Work.
3. "Provide": Furnish and Install.
4. "OFCI": Owner furnished contractor installed
5. "OFOI": Owner furnished owner installed
6. "CFCI": Contractor furnished contractor installed

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1.5 QUALITY ASSURANCE

A. Qualifications – Manufacturer:
   1. Component manufactures shall be ISO 9001:2000 and offer products that are RoHS compliant.

PART 2 - PRODUCTS

2.1 EQUIPMENT

A. Any use of trade names in the equipment list is to establish a performance standard to be used. Unless noted, it is not intended to exclude other products whose performance, in the judgment—and with the prior approval—of the Consultant, is equivalent or an approved equal to those named. However, the bidder shall respond to these specifications in strict adherence to the equipment list. The bidder may propose other equipment and system designs as alternates to the primary bid.

B. Materials: Supply materials and equipment that shall be new and shall meet or exceed the latest published specifications of the manufacturer.

C. Supply the latest model, available at the time of bidding, of each piece of equipment. The Owner may request, at their option, that the latest model of equipment, or new technology, available at the time of installation be provided.

2.2 EQUIPMENT LIST

A. The equipment list is furnished as a guide and does not represent all equipment required to accomplish the specification. Some listed equipment may require power supplies, interfaces, cables, mounting hardware and/or other items to function and/or interface with other subsystems. The specification requires a complete working system. The quantities of pieces of equipment have been purposely left out. Equipment quantities are furnished if the quantities cannot be easily determined from the specifications or drawings. Double-check all quantities against the drawings.

B. See attached Equipment Schedule in Appendix 1 for listing of specified equipment by area and type.

PART 3 - EXECUTION

3.1 GENERAL AUDIOVISUAL SYSTEMS

A. Description

   1. This section describes the audiovisual systems to be deployed under this contract.
   2. The design approach of the audiovisual systems is of distributed systems, independent in operation as described below.

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3.2 SERRA BALLROOM

A. Description

The Serra Ballroom is designed with equipment and infrastructure to support background music and voice sound reinforcement. Installed cabling with audio video connection plates will be located at multiple wall positions to meet the event requirements and to enable the rental staging company to set up for the event with minimal exposed wiring. The room will be divisible.

B. Technology Features

1. Audio Reinforcement System.

   a. Ceiling pendant loudspeakers and audio amplifiers for background music and voice sound reinforcement.
   b. Audio digital signal processor will allow presets to be recalled to divide the speaker zones to match the divisible status of the room. If the room is in all combined mode then the audio will play through all of the speaker zones. If the room is divided then the presenter's audio will only play through the speaker zones assigned to that room.
   c. Each room will have separate wall mounted volume controllers.
   d. Each room will have wall mounted buttons to divide/separate the state of the room.

2. Installed Audio Video Connection Wall Plates

   a. Each wall plate will have multiple audio video input and output connections.
   b. The connection plates will allow the rental and staging company the ability to distribute audio and video signals throughout the room and to set up their tech positions where needed based on room setup.

3.3 LEVEL 1 NORTH AND EAST LOBBY

A. Description

1. Each lobby will have equipment and infrastructure to support background music and paging. Digital signage will be featured in both spaces. Installed cabling with audio video connection plates will be located at two wall positions to provide for video overflow support displays if needed.

B. Technology Features

1. Video

   a. A portable LCD display with audio mounted on a stand can be connected to a wall plate and display event specific signage, overflow video from inside the ballroom or custom client content.
   b. Digital signage displays will be mounted at the door entry positions to inform convention participants of room events.

2. Audio Reinforcement System

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a. Ceiling recessed loudspeakers and audio amplifiers for background music.
b. Paging over the loudspeakers in both the north and east lobby or each can be paged separately.

3.4 LEVEL 1 RESTROOMS.

A. Technology Features

1. Audio Reinforcement System

a. Ceiling recessed loudspeakers and audio amplifiers for background music.
b. Paging over the loudspeakers

3.5 MEZZANINE LEVEL

A. Technology Features

1. Video

a. A portable LCD display with audio mounted on a stand can be connected to a wall plate and display event specific signage, overflow video from inside a ballroom or custom client content.

B. Audio Reinforcement System

a. Ceiling recessed loudspeakers and audio amplifiers for background music.
b. Paging over the loudspeakers

3.6 STEINBECK BALLROOM

A. Description

1. The Steinbeck Ballroom is designed with equipment and infrastructure to support background music and voice sound reinforcement. Installed cabling with audio video connection plates will be located at multiple wall positions and ceiling positions to meet the event requirements and to enable the rental staging company to set up for the event with minimal exposed wiring. The room will be divisible

B. Technology Features

1. Audio Reinforcement System

a. Ceiling mounted loudspeakers and audio amplifiers for background music and voice sound reinforcement.
b. Audio digital signal processor will allow presets to be recalled to divide the speaker zones to match the divisible status of the room. If the room is in all combined mode then the audio will play through all of the speaker zones. If the room is divided then the presenter's audio will only play through the speaker zones assigned to that room.
c. Each room will have separate wall mounted volume controllers.
d. Each room will have wall mounted buttons to divide/separate the state of the room.

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2. Installed Audio Video Connection Wall Plates

a. Each wall plate will have multiple audio video input and output connections.
b. There will be a one connection plate placed on every other rigging unistrut in the ceiling for ceiling mounted equipment.
c. The connection plates will allow the rental and staging company the ability to distribute audio and video signals throughout the room and to set up their tech positions where needed based on room setup.

3.7 LEVEL 2 NORTH AND EAST PRE-FUNCTION

A. Description

1. Each pre-function space will have equipment and infrastructure to support background music and paging. Digital signage will be featured in both spaces. Installed cabling with audio video connection plates will be located at three wall positions to provide for video overflow support displays if needed.

B. Technology Features

1. Video

a. A portable LCD display with audio mounted on a stand can be connected to a wall plate and display event specific signage, overflow video from inside the ballroom or custom client content.
b. Digital signage displays will be mounted at the door entry positions to inform convention participants of room events.

2. Audio Reinforcement System

a. Ceiling recessed loudspeakers and audio amplifiers for background music.
b. Paging over the loudspeakers in both the north and east pre-function area or each can be paged separately.

3.8 LEVEL 2 COLTON MEETING ROOMS

A. Description

1. Each room will have equipment and infrastructure to support background music and voice sound reinforcement. Installed cabling with audio video connection plates will be located at the rear of each room meet the event requirements and to enable the rental staging company to set up for the event with minimal exposed wiring.

B. Technology Features

1. Installed Audio Video Connection Wall Plates

a. Each wall plate will have multiple audio video input and output connections.
b. The connection plates will allow the rental and staging company the ability to distribute audio and video signals from other ballrooms and to set up their tech positions where needed based on room setup.

2. Audio Reinforcement System

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a. Ceiling mounted loudspeakers and audio amplifiers for background music and voice sound reinforcement.
b. Audio digital signal processor will allow presets to be recalled to divide the speaker zones to match the divisible status of the room. If the room is in all combined mode then the audio will play through all of the speaker zones. If the room is divided then the presenter's audio will only play through the speaker zones assigned to that room.
c. Each room will have separate wall mounted volume controllers.
d. Each room will have wall mounted buttons to divide/separate the state of the room.

3.9 LEVEL 2 RESROOMS

A. Technology Features

1. Audio Reinforcement System

a. Ceiling recessed loudspeakers and audio amplifiers for background music.
b. Paging over the loudspeakers

3.10 TERRACE DECK

A. Description

1. The terrace will have equipment and infrastructure to support background music and voice sound reinforcement. Installed cabling with audio video connection plates will be located at pedestals.

2. Audio Reinforcement System

a. Ceiling recessed loudspeakers and audio amplifiers for background music.
b. Paging over the loudspeakers

3. Installed Audio Video Connection Wall Plates

a. Each wall plate will have multiple audio video input and output connections.
b. There will be a one connection plate placed on every other rigging unistrut in the ceiling for ceiling mounted equipment.
c. The connection plates will allow the rental and staging company the ability to distribute audio and video signals throughout the room and to set up their tech positions where needed based on room setup.

3.11 EXAMINATION

A. Verification of Conditions: Examine the areas to receive the work and the conditions under which the Work would be performed. Contractor shall remedy conditions detrimental to the proper and timely completion of the Work. Do not proceed until unsatisfactory conditions have been corrected.

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3.12 INSTALLATION

A. As per manufacturer recommendations

B. Refer to Section 27 41 General Conditions for Integrated Audio Video Systems

3.13 SITE TESTS, INSPECTIONS, ACCEPTANCE TESTS

A. Refer to Section 27 08 20 Certification of Audiovisual

3.14 TRAINING

A. Refer to Section 27 41 General Conditions for Integrated Audio Video Systems

3.15 FINAL CLEANING

A. Perform cleanup in accordance with the Cleaning and Waste Management procedures in the facility.

B. Upon completion, remove surplus materials, rubbish, tools and equipment.

END OF SECTION

APPENDIX 1

EQUIPMENT LIST

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Table 1

ITEM	DWG ID	MANUFACTURER	MODEL	DESCRIPTION	QTY
DISPLAY SYSTEM					
1		NEC	V463	46" 16:9 Commercial Grade LCD Display	~~***AS PER DRAWINGS 4***~~
2		Samsung	S24D300H	24" 16:9 LCD Display	~~**AS PER DRAWINGS 17**~~
3		Chief	MTMP1U	LCD Display Portrait Wall Mount	AS PER DRAWINGS
4		Chief	FSM4212	Small Fixed LCD Wall Mount	AS PER DRAWINGS
AUDIO SYSTEM					
5	ASP-2	Meyer	MPS-488p	Eight Channel Loudspeaker Power Supply	AS PER DRAWINGS
6	AMP-1	Lab Gruppen	C Series 20:8X	8 x 250W Eight Channel Amplifier	AS PER DRAWINGS
7	ASP-1	Biamp	Tesira Server	Audio DSP Card frame	AS PER DRAWINGS
8		Biamp	Tesira Server	Audio Input/Output Cards	AS PER DRAWINGS
9	ASP-3	Biamp	Vocia VO-4	4 channel audio output expansion device	AS PER DRAWINGS
10	NMS-1	Biamp	MS-1	Networked Message Server	AS PER DRAWINGS
11	MIC-1	Biamp	DS-4	Desktop Mounted Paging station	3
12	SPK-1	Soundtube	RS62-EZ	Open Ceiling Loudspeaker	AS PER DRAWINGS
13	SPK-2	JBL	Control 26CT	6.5" Ceiling Recessed Loudspeaker	AS PER DRAWINGS
14	SPK-3	Meyer	MM4XP	Self-Powered Miniature Loudspeaker	AS PER DRAWINGS
CONTROL SYSTEM					
15	CSP-1	Crestron	CP3	Control System Processor	AS PER DRAWINGS
16	**CPL-1**	**Crestron**	**TSW-550-B-S**	**5" Touch Screen**	**2**
DISTRIBUTION SYSTEM/MISC					
17		Extron	CMP103	Three Gang MAAP Mounting Frame with AV Connection AAP inserts	AS PER DRAWINGS
18		Whirlwind	WFFD12x2.5KIT	12"x12" Flush AV Connection Box	AS PER DRAWINGS
19		Whirlwind	W3CRPI	Audio Snake Mass Connector	AS PER DRAWINGS
20		Whirlwind	W42PR	Custom Bulk Cable	AS PER DRAWINGS
21		Whirlwind	FM-28-6-XL-W3IRPI-15	15' Custom Audio Snake Fan Out	AS PER DRAWINGS
20		Whirlwind	B-28-6-XL-W3IRP0-25	25' Custom Audio Snake Stage Box	AS PER DRAWINGS
21	PPN-1	Canare		75 Ohm Video Patch Panel	AS PER DRAWINGS
22	PPN-2			Ethernet Patch Panel	AS PER DRAWINGS
23	PPN-3	Neutrik		Audio Patch Panel	AS PER DRAWINGS
24	PPN-4			Fiber Patch Panel	AS PER DRAWINGS

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APPENDIX 13

FURNITURE

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	SPECIFICATION 1	SPECIFICATION 2	SPECIFICATION 3
AC-01			OR EQUAL
DESCRIPTIONS	Waste Receptacle, Steel, Outdoor Secured to ground, Single Top Opening	Waste Receptacle, Steel, Outdoor Secured to ground, Single Top Opening	
MANUFACTURER	Peter Pepper Products	Magnuson	
PRODUCT LINE/ MODEL NO.	Hexbins Steel 1005-SS Hole Top 37 gal. Trash Decal	Umea -10 Waste Opening 40gal. Waste icon-White	
DIMENSIONS	27 3/4"W x 32"H x 25"D	22"W x 35 1/2"H x 18 1/2"D	
FINISHES	Stainless Steel Security Mount	Britebond Silver (Body, Top Insert, Side Panel) Security Mount	
QUANTITY	**REFER TO DRAWINGS**		

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	SPECIFICATION 1	SPECIFICATION 2	SPECIFICATION 3
AC-02A			OR EQUAL
DESCRIPTIONS	Waste Receptacle, Steel, Top Opening, Polyethylene Liner, Indoor Large	Waste Receptacle, Steel, Top Opening, Polyethylene Liner, Indoor Large	
MANUFACTURER	Peter Pepper Products	Magnuson	
PRODUCT LINE/ MODEL NO.	Resort RS 14 Waste Top 30 gal. Waste Decal	Valuta VA1818L Waste Top 40 gal. Waste Icon-Ref 1	
DIMENSIONS	20"W x 38"H x 20"D	33 3/4"H x 18"W x 18"D	
FINISHES	Alminum Metellic	Anodized Silver	
QUANTITY	**REFER TO DRAWINGS**		

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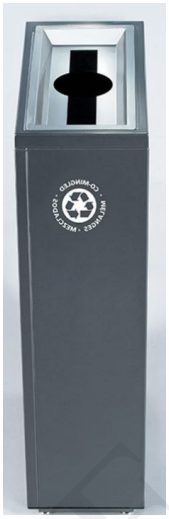
AC-02B	SPECIFICATION 1	SPECIFICATION 2	SPECIFICATION 3
			OR EQUAL
DESCRIPTIONS	Waste Receptacle, Top Opening, Polyethylen Liner, Indoor Small	Waste Receptacle, Top Opening, Polyethylen Liner, Indoor Small	
MANUFACTURER	Peter Pepper Products	Magnuson	
PRODUCT LINE/ MODEL NO.	Resort RS 14 Commingled Recyclables Top 23 gal. Recycle Decal	Valuta VA1809L Paper/Circle Top 20 gal. Recycling Arrow Icon - Ref 1	
DIMENSIONS	14"W x 38"H x 20"D	33 3/4"H x 18"W x 18"D	
FINISHES	Alminum Metellic	Anodized Silver (Body, Top)	
QUANTITY	**REFER TO DRAWINGS**		

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	SPECIFICATION 1	SPECIFICATION 2	SPECIFICATION 3
AC-03			OR EQUAL
DESCRIPTIONS	Planter, Metal, Outdoor Large	Planter, Metal, Outdoor Large	
MANUFACTURER	Magnuson	Landscape Forms	
PRODUCT LINE/ MODEL NO.	Crepe Planters Crepe L	Sorella Planters Powdercoated	
DIMENSIONS	48 3/4"W x 16 1/8"H x 15 3/4"D	45"W x 15"D x 18"H	
FINISHES	Color: White Ral 9003	Color: Silver	
QUANTITY	**REFER TO DRAWINGS**		

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	SPECIFICATION 1	SPECIFICATION 2	SPECIFICATION 3
AC-04			OR EQUAL
DESCRIPTIONS	Planter, Metal, Outdoor Small	Planter, Metal, Outdoor Small	
MANUFACTURER	Magnuson	Landscape Forms	
PRODUCT LINE/ MODEL NO.	Crepe Planters Crepe S	Sorella Planters Powdercoated	
DIMENSIONS	18 1/8"W x 16 1/8"H x 15 3/4"D	30"W x 15"D x 18"H	
FINISHES	Color: White Ral 9003	Color: Silver	
QUANTITY	**REFER TO DRAWINGS**		

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	SPECIFICATION 1	SPECIFICATION 2	SPECIFICATION 3
AC-05			OR EQUAL
DESCRIPTIONS	Firepit, Propane, Glass Fiber Reinforced Concrete, Waterproof Cover	Firepit, Propane, Glass Fiber Reinforced Concrete, Waterproof Cover	
MANUFACTURER	Real Flame	Woodland Direct	
PRODUCT LINE/ MODEL NO.	9670LP Mezzo Square Fire Table	American Fyre Designs Contempo Firetable Round	
DIMENSIONS	42.25"W x 42.25"D x 11"H	47"DIA x 15.5"H	
FINISHES	Antique White	Cafe Blanco	
QUANTITY	**REFER TO DRAWINGS**		

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	SPECIFICATION 1	SPECIFICATION 2	SPECIFICATION 3
AC-07		OR EQUAL	OR EQUAL
DESCRIPTIONS	Cart, Stack Chair		
MANUFACTURER	Mitylite		
PRODUCT LINE/ MODEL NO.	5 Wheel Confort Seating Cart CRT5WCHHTBLK2		
DIMENSIONS	24.5"W x 51"L x 53.5"H 10 Chair Capacity		
FINISHES	Black		
QUANTITY	Six (6)		

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	SPECIFICATION 1	SPECIFICATION 2	SPECIFICATION 3
AC-09		OR EQUAL	OR EQUAL
DESCRIPTIONS	Cart, Round Table		
MANUFACTURER	Mitylite		
PRODUCT LINE/ MODEL NO.	CT Cart - Edge		
DIMENSIONS	30.5"W x 50.5"L x 40 1/8"H 6 Table Capacity		
FINISHES	Black		
QUANTITY	Six (6)		

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	SPECIFICATION 1	SPECIFICATION 2	SPECIFICATION 3
AC-11A			
DESCRIPTIONS	Lectern, Wood, Reading Light, Power/Data/Phone jack	Lectern, Wood, Reading Light, Power/Data/Phone jack	Lectern, Wood, Reading Light, Power/Data/Phone jack
MANUFACTURER	Nienkamper	Egan Visual	Architectural Brass
PRODUCT LINE/ MODEL NO.	Vox Speaker's Lectern 23465-B	Wood Veneer EganLectern LCLF-LO-B	Cicero 01 Lectern PODIUM241843
DIMENSIONS	35 1/2"W x 51"H x 27 1/2"D	24"W x 48"H x 21"D	24"W x 43"H x 18"D
FINISHES	F-18 White Oak with LOGO	Light Oak with LOGO	White Oak Straight Grain 60204 (vertical) with LOGO
QUANTITY	Ten (10)		

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	SPECIFICATION 1	SPECIFICATION 2	SPECIFICATION 3
AC-11B			OR EQUAL
DESCRIPTIONS	Lectern, Table Top	Lectern, Table Top	
MANUFACTURER	Nienkamper	Architectural Brass	
PRODUCT LINE/ MODEL NO.	Vox Desk Top Keynote Lectern 23468/5	PODIUM Cicero 01 Desktop	
DIMENSIONS	24"W x 20"D x 9.50/12" H	24"W x 10"H x 18"D	
FINISHES	F-18 White Oak	White Oak Straight Grain 60204 (vertical)	
QUANTITY	Four (4)		

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	SPECIFICATION 1	SPECIFICATION 2	SPECIFICATION 3
AC-12			OR EQUAL
DESCRIPTIONS	Portable Beverage Bar, Stainless Steel, Built-in ice bin w/drain, beverage holder, 4 Swivel casters, 2 each w/brake	Portable Beverage Bar, Stainless Steel, Built-in ice bin w/drain, beverage holder, Swivel casters, 2 each w/brake	
MANUFACTURER	U.S Ice Machine Manufacturing, Co.	Architectural Brass	
PRODUCT LINE/ MODEL NO.	Portable Beverage Bar	Beverly Hills Beverage Cart BVCRT422436	
DIMENSIONS	60"L x 23.5"W x 48"H (incl. 4 " Casters)	42"L x 24"W x 36"H	
FINISHES	Silver	Satin Finish	
QUANTITY	REFER TO DRAWINGS		

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AC-13	SPECIFICATION 1	SPECIFICATION 2	SPECIFICATION 3
DESCRIPTIONS	Roll-in Markerboard	Roll-in Markerboard	Roll-in Markerboard
MANUFACTURER	Egan Visual	Steelcase Turnstone Groupwork	KI
PRODUCT LINE/ MODEL NO.	Egan Mobile V-Series Single Panel Mobile with Four Point Base VSF3654	Steelcase Turnstone Groupwork Mobile Screen	All Terrain Markerboards Markerboard Cart Screen ATS4
DIMENSIONS	36"W x 54"H x 20"D	36"W x 54"H x 16"D	35"W x 66"H x 16"D
FINISHES			
QUANTITY	Five (5)		

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	SPECIFICATION 1	SPECIFICATION 2	SPECIFICATION 3
AC-14			
DESCRIPTIONS	Stage Riser with Drape	Stage Riser with Drape	Stage Riser with Drape
MANUFACTURER	StageRight Corporation	SICO America, Inc.	Steeldeck
PRODUCT LINE/ MODEL NO.	Fold & Roll Riser FR-2403 Guardrail 6'x42"H, 8'x42"H Drape	1800 Dual Height Stage 1812-624B Guardrail 6'x42"H (1851-008B), 8'x42"H (1851-008B), Drape	Stage Riser, Guard Rail, Drape
DIMENSIONS	8' W x 6' D, 16"-24" Adj.Height	8' W x 6' D, 16"-24" Adj.Height	8' W x 6' D, 16"-24" Adj.Height
FINISHES	Carpet and Drape color : Dark Grey	Carpet and Drape color : Dark Grey	Carpet and Drape color : Dark Grey
QUANTITY	Sixteen (16)		

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	SPECIFICATION 1	SPECIFICATION 2	SPECIFICATION 3
BE-02			
DESCRIPTIONS	Bench	Bench	Bench
MANUFACTURER	Geiger International	Coalesse	Teknion
PRODUCT LINE/ MODEL NO.	Tuxedo Museum Bench, Quilted ST3BQ -COL-AS NOCAL	3 seat bench, Contract COMFLB3, Quilted	Bench, Argis Quilted
DIMENSIONS	84"W x 28"D x 17"H	78"W x 26"D x 16 1/2"H	75"W x 30"D x 16 1/2" SH
FINISHES	Upholstery: Tiger Leather Cityscape/Charcoal Tao9010 Legs: Arctic Silver	Upholstery: Tiger Leather Cityscape/Charcoal Tao9010 Legs: 4141 Platinum Matte	Upholstery: Tiger Leather Cityscape/Charcoal Tao9010 Legs: Chrome
QUANTITY	**REFER TO DRAWINGS**		

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	SPECIFICATION 1	SPECIFICATION 2	SPECIFICATION 3
CH-02			
DESCRIPTIONS	Chair, Stacking	Chair, Stacking	Chair, Stacking
MANUFACTURER	Mity-Lite Inc.	MTS	Shelby Williams
PRODUCT LINE/ MODEL NO.	Encore EN55C	Levo Stacking Chair 28/22	Alminum Banquet Chair 8667
DIMENSIONS	17.75"W x 25"D x 35"H , 18" SH	18"W x 25.25"D x 37.25"H	17.75"W x 24"D x 35.75"H , 18.5" SH
FINISHES	Upholstery: Momentum Marathon - Noir Frame: Chicory	Upholstery: Momentum Marathon - Noir Frame: New Bronze M-10	Upholstery: Momentum Marathon - Noir Frame: T-58 Bronze Metallic
QUANTITY	Twelve Hundred (1200)		

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CH-04	SPECIFICATION 1	SPECIFICATION 2	SPECIFICATION 3
DESCRIPTIONS	Chair, Task - Pneumatic height adjustment,Adjustable lumber height, Height/pivot/depth adjustable arms, Tilt/Back lock mechanism	Chair, Task - Pneumatic height adjustment,Adjustable lumber height, Height/pivot/depth adjustable arms, Tilt/Back lock mechanism	Chair, Task - Pneumatic height adjustment,Adjustable lumber height, Height/pivot/depth adjustable arms, Tilt/Back lock mechanism
MANUFACTURER	Steelcase	Haworth	Knoll
PRODUCT LINE/ MODEL NO.	Think Chair 465A300	Very Task Chair STC-20-714	Generation 11-1-HP-2-2-L-HC-LT-01-USF-GENU01
DIMENSIONS	27"W x 25"D x 38.75"-43.75""H , 16" -21" SH	27"W x 26"D x 39"-44"H	28.5"W x 26"D x 39.25"-44.5"H , 16.5" -21.75" SH
FINISHES	Upholstery: **Back** Graphite 5092 **Seat** Cogent Connect Graphite 5S25 Frame: Platinum 6249 Base: Plastic- match frame Casters: Hard Wheel	Upholstery: **Back** Very Mesh/Slate MS-FJ **Seat** Tellure Slate 3A-38 Frame: Metallic Silver Base: Plastic- match frame Casters: Hard Wheel	Upholstery: **Back** Flex Net -Storm **Seat** Storm Frame: Light Base: Plastic- match frame Casters: Hard Wheel
QUANTITY	**REFER TO DRAWINGS**		

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	SPECIFICATION 1	SPECIFICATION 2	SPECIFICATION 3
CH-05A			
DESCRIPTIONS	Chair, Outdoor	Chair, Outdoor	Chair, Outdoor
MANUFACTURER	Knoll	Herman Miller	Emeco
PRODUCT LINE/ MODEL NO.	Olivares Aluminum Stacking Chair	Chair First Stacking Chair MGF01 YGF	Broom Stacking Chair
DIMENSIONS	22 1/3"W x 21 2/5"D x 31 4/54""H , 17 1/2" SH	22 1/3"W x 21 2/5"D x 31 4/54""H , 17 1/2" SH	19"W x 19.5"D x 32.5""H , 17" SH
FINISHES	Blue	Blue	Grey
QUANTITY	**REFER TO DRAWINGS**		

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	SPECIFICATION 1	SPECIFICATION 2	SPECIFICATION 3
CH-05B		**Same with CH-05A	**Same with CH-05A
DESCRIPTIONS	Chair, Outdoor Metal	Chair, Outdoor	Chair, Outdoor
MANUFACTURER	Knoll	Herman Miller	Emeco
PRODUCT LINE/ MODEL NO.	Olivares Aluminum Stacking Chair	Chair First Stacking Chair MGF01 YGF	Broom Stacking Chair
DIMENSIONS	22 1/3"W x 21 2/5"D x 31 4/54""H , 17 1/2" SH	22 1/3"W x 21 2/5"D x 31 4/54""H , 17 1/2" SH	19"W x 19.5"D x 32.5""H , 17" SH
FINISHES	Sky Blue	Blue	Grey
QUANTITY	**REFER TO DRAWINGS**		

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CH-06	SPECIFICATION 1	SPECIFICATION 2	SPECIFICATION 3
DESCRIPTIONS	Chair, Guest	Chair, Guest	Chair, Guest
MANUFACTURER	Steelcase	ICF	Haworth
PRODUCT LINE/ MODEL NO.	Qivi Chair, Sled Base 428310	Stick Chair ETK Cantilever, Sled Base	Zody Side Chair, Sled Base
DIMENSIONS	18.5"W x 18.5"D x 35"H , 18.5" SH	57cmW x 47cm D x 85cm H , 48cm SH	21"W x 22.1"D x 32.5"H
FINISHES	Upholstery: QiVi Net Graphite QN04 Backrest: Graphite Shell: Platinum Base: Platinum Metallic	Upholstery: Mesh N Graphite 04N Base: chrome	Upholstery: Tellure Slate 3A-38 Armrest: Smoke Frame: Metallic Silver
QUANTITY	**REFER TO DRAWINGS**		

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	SPECIFICATION 1	SPECIFICATION 2	SPECIFICATION 3
CH-07			
DESCRIPTIONS	Chair, Outdoor Stacking	Chair, Outdoor Stacking	Chair, Outdoor Stacking
MANUFACTURER	Landscape Forms	Herman Miller	Arper
PRODUCT LINE/ MODEL NO.	Chipman Chair, Armless, Aluminum	Air Chair, Armless	Juno Chair, Armless, Open Backrest
DIMENSIONS	20"W x 22"D x 33"H	19"W x 20"D x 31"H , 19" SH	21"W x 22.1"D x 32.5"H
FINISHES	Powdercoat: Flanbe Orange	Color: Orange	Color: PT00003
QUANTITY	**REFER TO DRAWINGS**		

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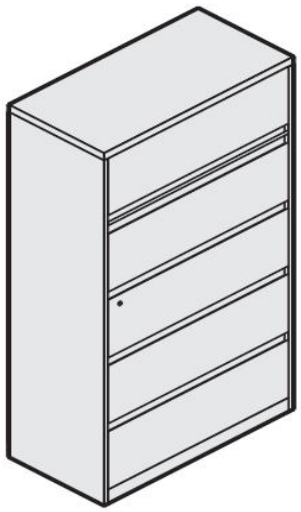
	SPECIFICATION 1	SPECIFICATION 2	SPECIFICATION 3
FL-01		SEE SPECIFICATION 1 IMAGE	SEE SPECIFICATION 1 IMAGE
DESCRIPTIONS	Cabinet, File; Four drawers and one lift-up door with fixed shelf , Front-to-back/side-to-side filing, Continuous pull	Cabinet, File; Four drawers and one lift-up door with fixed shelf , Front-to-back/side-to-side filing, Continuous pull	Cabinet, File; Four drawers and one lift-up door with fixed shelf , Front-to-back/side-to-side filing, Continuous pull
MANUFACTURER	Steelcase	Haworth	Knoll
PRODUCT LINE/ MODEL NO.	900 Series	X Series	Calibre
DIMENSIONS	36"W x 18"D x 62 1/2"H	36"W x 18"D x 62 1/2"H	36"W x 18"D x 62 1/2"H
FINISHES	Paint: Platinum Metallic 4799	Paint: Metallic Silver TR-LE	Paint: Metallic Silver - smooth
QUANTITY	**REFER TO DRAWINGS**		
NOTES			

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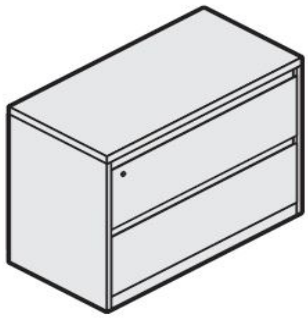
	SPECIFICATION 1	SPECIFICATION 2	SPECIFICATION 3
FL-02		SEE SPECIFICATION 1 IMAGE	SEE SPECIFICATION 1 IMAGE
DESCRIPTIONS	Cabinet, File Two drawers with continuoue pull, Front-to-back/side-to-side filing	Cabinet, File Two drawers with continuoue pull, Front-to-back/side-to-side filing	Cabinet, File Two drawers with continuoue pull, Front-to-back/side-to-side filing
MANUFACTURER	Steelcase	Haworth	Knoll
PRODUCT LINE/ MODEL NO.	900 Series	X Series	Calibre
DIMENSIONS	36"W x 18"D x 28"H	36"W x 18"D x 28"H	36"W x 18"D x 28"H
FINISHES	Paint: Platinum Metallic 4799	Paint: Metallic Silver TR-LE	Paint: Metallic Silver - smooth
QUANTITY	REFER TO DRAWINGS		
NOTES			

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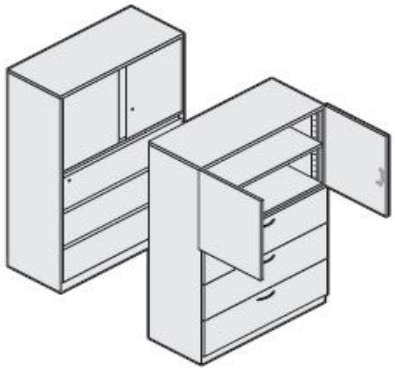
	SPECIFICATION 1	SPECIFICATION 2	SPECIFICATION 3
FL-03	 ** CONTINUOUS PULL AT DRAWERS	SEE SPECIFICATION 1 IMAGE	SEE SPECIFICATION 1 IMAGE
DESCRIPTIONS	Cabinet, Combination, Hinged Doors w/ One Adj.Shelf, One Fixed Shelf and 3 Drawers with Continuous Pull, Front-to-back/side-to-side filing	Cabinet, Combination, Hinged Doors w/ One Adj.Shelf, One Fixed Shelf and 3 Drawers with Continuous Pull, Front-to-back/side-to-side filing	Cabinet, Combination, Hinged Doors w/ One Adj.Shelf, One Fixed Shelf and 3 Drawers with Continuous Pull, Front-to-back/side-to-side filing
MANUFACTURER	Steelcase	Haworth	Knoll
PRODUCT LINE/ MODEL NO.	900 Series	X Series	Calibre
DIMENSIONS	42"W x 18"D x 65 1/2"H	42"W x 18"D x 65 1/2"H	42"W x 18"D x 65 1/2"H
FINISHES	Paint: Platinum Metallic 4799	Paint: Metallic Silver TR-LE	Paint: Metallic Silver - smooth
QUANTITY	REFER TO DRAWINGS		
NOTES			

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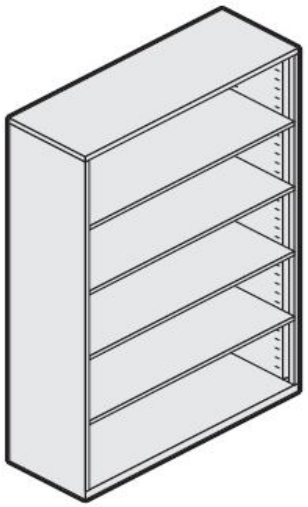
	SPECIFICATION 1	SPECIFICATION 2	SPECIFICATION 3
BK-01		SEE SPECIFICATION 1 IMAGE	SEE SPECIFICATION 1 IMAGE
DESCRIPTIONS	Open Wood Bookcase with Four Adjustable Shelves	Open Wood Bookcase with Four Adjustable Shelves	Open Wood Bookcase with Four Adjustable Shelves
MANUFACTURER	Steelcase	Haworth	Knoll
PRODUCT LINE/ MODEL NO.	Elective Elements	Masters	Le Schwab
DIMENSIONS	30"W x 15"D x 62 1/2"H	30"W x 15"D x 62 1/2"H	30"W x 15"D x 62 1/2"H
FINISHES	Wood: Graphite Walnut	Wood: Echo 2N-HL/2N-RL	Wood: Grigio (V2)
QUANTITY	**REFER TO DRAWINGS**		
NOTES			

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LS-01A	SPECIFICATION 1	SPECIFICATION 2	SPECIFICATION 3
DESCRIPTIONS	Chair, Lounge	Chair, Lounge	Chair, Lounge
MANUFACTURER	Geiger International	Coalesse	Teknion
PRODUCT LINE/ MODEL NO.	Tuxedo Club Chair with arms, quilted ST1AQ- COL- AS NOCAL	Millbrae, Contract Lounge with arms COMFLA 1	Argis
DIMENSIONS	32"W x 28"D x 30"H , 17" SH	32"W x 30"D x 31"H , 17" SH	37"W x 31"D x 31"H , 16 1/2" SH
FINISHES	Upholstery: Tiger Leather Cityscape/Charcoal Tao9010 Legs: Arctic Silver	Upholstery: Tiger Leather Cityscape/Charcoal Tao9010 Legs: 4141 Platinum Matte	Upholstery: Tiger Leather Cityscape/Charcoal Tao9010 Legs: Chrome
QUANTITY	**REFER TO DRAWINGS**		

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	SPECIFICATION 1	SPECIFICATION 2	SPECIFICATION 3
LS-01B			
DESCRIPTIONS	Chair, Lounge	Chair, Lounge	Chair, Lounge
MANUFACTURER	Geiger International	Coalesse	Teknion
PRODUCT LINE/ MODEL NO.	Tuxedo Club Chair with arms, quilted ST1AQ-COL - AS NOCAL	Millbrae, Contract Lounge with arms COMFLA 1	Argis
DIMENSIONS	32"W x 28"D x 30"H , 17" SH	32"W x 30"D x 31"H , 17" SH	37"W x 31"D x 31"H , 16 1/2" SH
FINISHES	Upholstery: Tiger Leather Boho Sienna Boh18-1547 TPX Legs: Arctic Silver	Upholstery: Tiger Leather Boho Sienna Boh18-1547 TPX Legs: 4141 Platinum Matte	Upholstery: Tiger Leather Boho Sienna Boh18-1547 TPX Legs: Chrome
QUANTITY	**REFER TO DRAWINGS**		

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	SPECIFICATION 1	SPECIFICATION 2	SPECIFICATION 3
LS-03			
DESCRIPTIONS	Chair, Lounge, Outdoor	Chair, Lounge, Outdoor	Chair, Lounge, Outdoor
MANUFACTURER	Knoll Studio	McGuire	Loll Design
PRODUCT LINE/ MODEL NO.	Richard Shultz Swell Seating Collection SWELL-31	Thomas Pheasant Outdoor Lounge Chair	Adirondack Chair, Large 15043 white
DIMENSIONS	30"W x 31 1/2"D x 28"H	30"W x 33"D x 30"H	29"W x 37.5"D x 34.25"H , 12.5"SH
FINISHES	Mesh: White Vinyl Strip: White Paint: White, W	Finish: Driftwood Textile: Natte Heather Grey	Finish: White
QUANTITY	**REFER TO DRAWINGS**		

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	SPECIFICATION 1	SPECIFICATION 2	SPECIFICATION 3
SF-02			**Armless
DESCRIPTIONS	Sofa, 2 seater	Sofa, 2 seater	Sofa, 2 seater
MANUFACTURER	Geiger International	Coalesse	Gunlocke
PRODUCT LINE/ MODEL NO.	Tuxedo Settee Armless, quilted ST2NQ- COL-AS NOCAL	Millbrae, Contract 2 Seat Sofa Armless COMFL2	Ciji Two Seat
DIMENSIONS	56"W x 28"D x 30"H , 17" SH	1321 W x 711 D x 787 H	49 1/2"W x 31 1/2"D x 27 1/8"H , 17 1/4" SH
FINISHES	Upholstery: Tiger Leather Cityscape/Charcoal Tao9010 Legs: Arctic Silver	Upholstery: Tiger Leather Cityscape/Charcoal Tao9010 Legs: 4141 Platinum Matte	Upholstery: Tiger Leather Cityscape/Charcoal Tao9010 Base: Anodized Aluminum
QUANTITY	**REFER TO DRAWINGS**		

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	SPECIFICATION 1	SPECIFICATION 2	SPECIFICATION 3
TA-02			
DESCRIPTIONS	Table, Banquet Round	Table, Banquet Round	Table, Banquet Round
MANUFACTURER	SICO America Inc.	MTS Seating	MityLite
PRODUCT LINE/ MODEL NO.	C7010-183-175A	#400 Series Laminated "Linen-less" Top Round	Madera Laminate Round Table
DIMENSIONS	72" Inrd x 30" H	72"DIA. x 30"H	72"DIA. x 29"H
FINISHES	Low Profile CI Maple Lam, Blk Arm	Laminate Top	Laminate Top
QUANTITY	Sixty Five (65)		

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	SPECIFICATION 1	SPECIFICATION 2	SPECIFICATION 3
TA-04			
DESCRIPTIONS	Table, Head	Table, Head	Table, Head
MANUFACTURER	SICO America Inc.	MTS Seating	MityLite
PRODUCT LINE/ MODEL NO.	Rectangle Armor-Edge Folding Leg Table with Laminate Top and Black Armor Edge. C7211-183-1??A	#400 Series Laminated "Linen-less" Top Rectangle	Madera Laminate Rectangle Table
DIMENSIONS	72"W x 18"D x 30"H	72"W x 18"D x 30"H	72"W x 18"D x 29"H
FINISHES	Laminate Top	Laminate Top	Laminate Top
QUANTITY	Two Hundred (200)		

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TA-05	SPECIFICATION 1	SPECIFICATION 2	SPECIFICATION 3
DESCRIPTIONS	Table, Training Folding Legs w/Castors, Laminate Top Data&Power Port	Table, Training Folding Legs w/Castors, Laminate Top Data&Power Port	Table, Training Folding Legs w/Castors, Laminate Top Data&Power Port
MANUFACTURER	Allsteel	KI	HOWE
PRODUCT LINE/ MODEL NO.	Aware Folding Table, T-Legs with Castors **TABLE TOP** AW3LT3066F.X.TM33.EW.ATE **FOLDING LEGS** AW2TLFCB.PR2.S **Data** AW4P2C	Data Link Table System with Castors DL306029-T6BN NOGL-ML-GBL-SX-LWN-PLG Castors HRDPT	USU Folding Table with Castors Power & Data /Byrme Ohm -Clear Anodized flip Top, Cable Fittings, Square Legs
DIMENSIONS	66"W x 30"D x 29"H	60"W x 30"D x 29"H	66"Wx30"Dx29"H (custom)
FINISHES	Top: Whitestone Edge: White Legs: Platinum Metallic	Top: White Sand Edge: Light Tone Base: Starlight Silver Metallic	Top: White Laminate LU300 Edge: White Laminate LU300 Legs: Chrome
QUANTITY	**REFER TO DRAWINGS**		

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	SPECIFICATION 1	SPECIFICATION 2	SPECIFICATION 3
TA-07			
DESCRIPTIONS	Table, Occasional	Table, Occasional	Table, Occasional
MANUFACTURER	Knoll	Geiger International	Decca Elan
PRODUCT LINE/ MODEL NO.	Warren Platner Side Table 3710TNNGC	Tuxedo Rectangular AXW3-2028	VT ST103
DIMENSIONS	15 3/4" W x 13" Base W x 18" H	28"W x 20"D x 14" H	14" W x 14"D x 18"H
FINISHES	Top: Carrara - white grey Base: Polished Nickel	Top: 981 Champagne Hickory Base: Metallic silver	133 Sand Oak
QUANTITY	**REFER TO DRAWINGS**		

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TA-08	SPECIFICATION 1	SPECIFICATION 2	SPECIFICATION 3
			** Set of 2- Place as one piece
DESCRIPTIONS	Table, Occasional	Table, Occasional	Table, Occasional
MANUFACTURER	Knoll	Geiger International	Decca Elan
PRODUCT LINE/ MODEL NO.	Warren Platner Coffee Table 3714TNNGC	Tuxedo Rectangular AXW3-2856	VT CT100
DIMENSIONS	42 1/4" W x 18 1/2" Base W x 15 1/4" H	56"W x 28"D x 14" H	26" W x 26"D x 14"H (52" W x 26"D x 14" H - SET OF 2 TOTAL)
FINISHES	Top: Carrara - white grey Base: Polished Nickel	Top: 981 Champagne Hickory Base: Metallic silver	133 Sand Oak
QUANTITY	**REFER TO DRAWINGS**		

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	SPECIFICATION 1	SPECIFICATION 2	SPECIFICATION 3
TA-09		** Round Table	
DESCRIPTIONS	Table, Outdoor	Table, Outdoor	Table, Outdoor
MANUFACTURER	Knoll	Herman Miller	Emeco
PRODUCT LINE/ MODEL NO.	Stromborg Table DS-02-G2-WHT-BLU	Table First MGF80. 3200YGMYGM	Parrish Table PART24BT PC white
DIMENSIONS	32"DIA. x 29"H	32"DIA. x 29"H	24"DIA. x 28.25"H
FINISHES	Top: Outdoor White Laminate w/phenolic core Rail: Blue Legs: Steel, White Powdercoat	Top: High Pressure Laminate White Legs: High Pressure Laminate White	Top: White Powder Coated Legs: White
QUANTITY	**REFER TO DRAWINGS**		

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	SPECIFICATION 1	SPECIFICATION 2	SPECIFICATION 3
TA-10			
DESCRIPTIONS	Table, Head	Table, Head	Table, Head
MANUFACTURER	SICO America Inc.	MTS Seating	MityLite
PRODUCT LINE/ MODEL NO.	Rectangle Armor-Edge Folding Leg Table with Laminate Top and Black Armor Edge. C7212-183-1??A	#400 Series Laminated "Linen-less" Top Rectangle	Madera Laminate Rectangle Table
DIMENSIONS	72"W x 30"D x 30"H	72"W x 30"D x 30"H	72"W x 30"D x 29"H
FINISHES	Laminate Top	Laminate Top	Laminate Top
QUANTITY	One Hundred (100)		

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	SPECIFICATION 1	SPECIFICATION 2	SPECIFICATION 3
TA-11			
DESCRIPTIONS	Table, Round, Multi Purpose	Table, Round, Multi Purpose	Table, Round, Multi Purpose
MANUFACTURER	Steelcase	Haworth	KI
PRODUCT LINE/ MODEL NO.	Groupwork Series	Compose	Barron Table BR3FX 64Exxxxxx
DIMENSIONS	36" DIA.x 28.5" H	36" DIA. x 29 1/4"H	36" DIA. x 29 "H
FINISHES	Laminate: Graphite Walnut 2410	Laminate: Graphite Walnut 2410	Laminate: Graphite Pear
QUANTITY	**REFER TO DRAWINGS**		

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	SPECIFICATION 1	SPECIFICATION 2	SPECIFICATION 3
TA-13			
DESCRIPTIONS	Table, Outdoor Coffee	Table, Outdoor Coffee	Table, Outdoor Coffee
MANUFACTURER	Knoll	McGuire	Loll Designs
PRODUCT LINE/ MODEL NO.	Richard Schultz 1966-24L WW 1966 Coffee Table	Barbara Barry Outdoor Horizon Modular Cocktail Table BB-208	Satellite Outdoor End Table SKU :SA-ES26-CW
DIMENSIONS	28"W x 28"D x 15"H	24"W x 24"D x 16.5"H	26"W x 26"D x 14 3/4"H
FINISHES	Top: Porccelain top , White Legs: Aluminum, White Powder-coat	Top: Natural Teak Legs: Color-Driftwood	Top: High-density polyeth-ylene - White Legs: High-density polyeth-ylene - White
QUANTITY	**REFER TO DRAWINGS**		

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	SPECIFICATION 1	SPECIFICATION 2	SPECIFICATION 3
TA-14			
DESCRIPTIONS	Table, Outdoor	Table, Outdoor	Table, Outdoor
MANUFACTURER	Landscape Forms	Hermanmiller	West Coast Industries
PRODUCT LINE/ MODEL NO.	Chipman Table, Dining	Air Table, Square MGA7 1A T YBP	Tulip, Round
DIMENSIONS	36"Dia. x 29"H	26"W x 26"D x 27"H	36"Dia. x 29.25"H TL18H36RD OD MA3030 MWH
FINISHES	White	White	Base: Metallic Silver Surface: Metal Powder Coart: White (MWH)
QUANTITY	**REFER TO DRAWINGS**		

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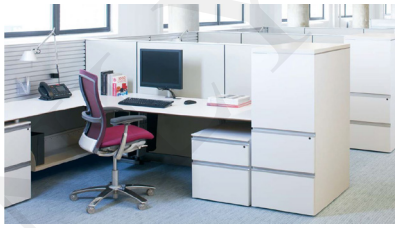
	SPECIFICATION 1	SPECIFICATION 2	SPECIFICATION 3
WS-01A & B	**W/O PANELS	**W/O PANELS	 **W/O PANELS
DESCRIPTIONS	Workstation, Freestanding (1) Fixed File/File Pedestal, (1) Mobile Box/Box/File Pedestal with Pencil Tray, (1)Dual Monitor Arm, (1) Keyboard Tray Modesty Panel	Workstation, Freestanding (1) Fixed File/File Pedestal, (1) Mobile Box/Box/File Pedestal with Pencil Tray, (1)Dual Monitor Arm, (1) Keyboard Tray Modesty Panel	Workstation, Freestanding (1) Fixed File/File Pedestal, (1) Mobile Box/Box/File Pedestal with Pencil Tray, (1)Dual Monitor Arm, (1) Keyboard Tray Modesty Panel
MANUFACTURER	Steelcase	Haworth	Knoll
PRODUCT LINE/ MODEL NO.	Answer/Universal	Compose	Autostrada
DIMENSIONS	SEE ENLARGED PLANS	SEE ENLARGED PLANS	SEE ENLARGED PLANS
FINISHES	Paint: Platinum Metallic 4799 Laminate: Graphite Walnut 2410 Grommet: Plastic Black	Paint: Metallic Silver TR-LE Laminate: H-KG Colombian Walnut Grommet: Plastic Black	Paint: Silver Laminate: Graphite Pear Grommet: Plastic Black
QUANTITY	**REFER TO DRAWINGS**		

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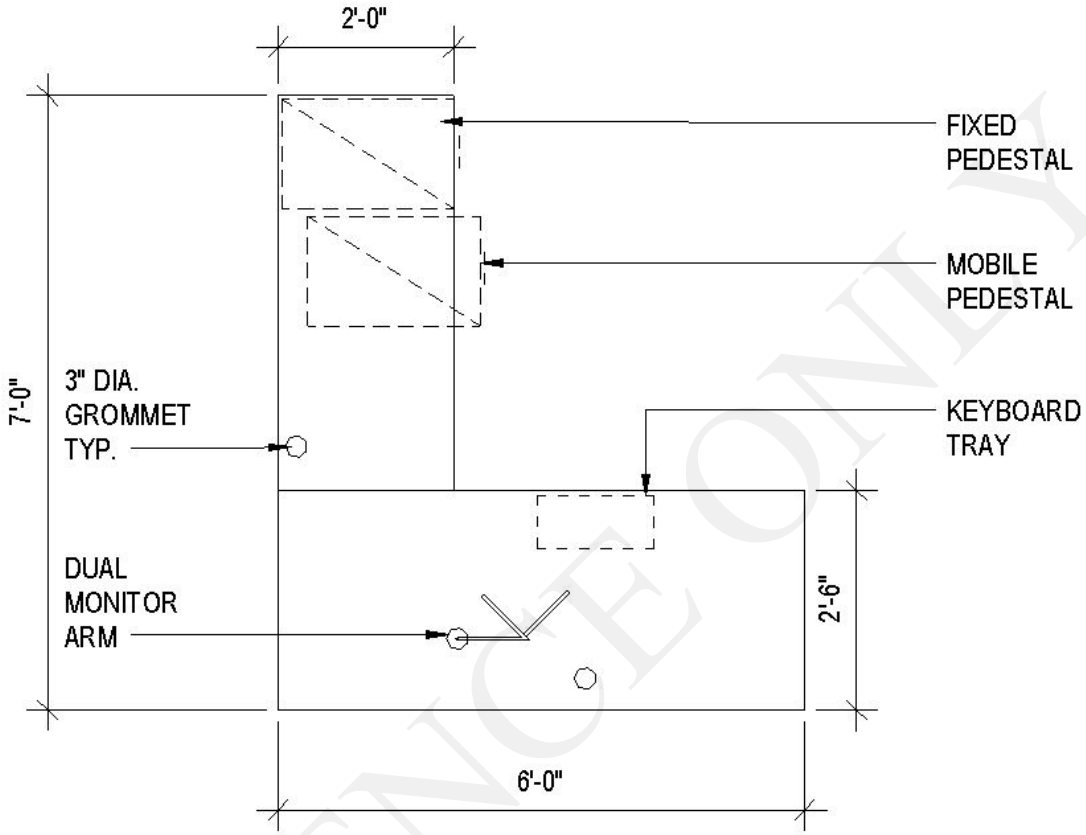
WS-01A



ENLARGED PLAN

REFERENCE ONLY

GENERAL NOTES:
1. REFER TO I3.02.1 FURNITURE PLAN FOR ELECTRICAL & TELECOMMUNICATIONS OUTLET LOCATIONS & QUANTITIES.
2. WS-02A&B, WS-04 : FURNITURE PANEL XX/XX = PANEL WIDTH/PANEL HEIGHT.
3. REFER TO SPECIFICATION SECTION 12 60 10 FOR KEYING REQUIREMENT.
4. VENDOR TO VERIFY ALL FIELD DIMENSIONS, PARTS, AND QUANTITIES NEEDED.

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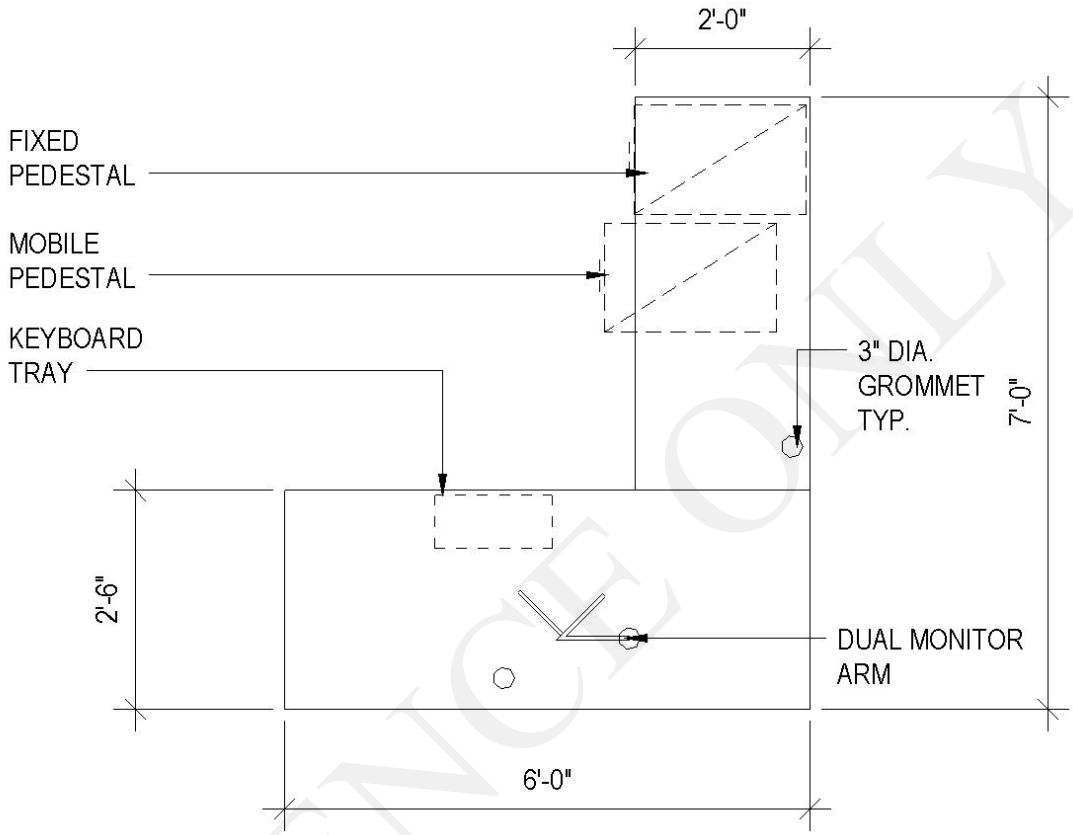
WS-01B



ENLARGED PLAN

GENERAL NOTES:
1. REFER TO I3.02.1 FURNITURE PLAN FOR ELECTRICAL & TELECOMMUNICATIONS OUTLET LOCATIONS & QUANTITIES.
2. WS-02A&B, WS-04 : FURNITURE PANEL XX/XX = PANEL WIDTH/PANEL HEIGHT.
3. REFER TO SPECIFICATION SECTION 12 60 10 FOR KEYING REQUIREMENT.
4. VENDOR TO VERIFY ALL FIELD DIMENSIONS, PARTS, AND QUANTITIES NEEDED.

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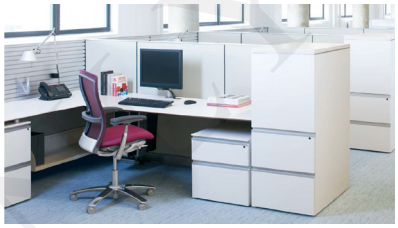
	SPECIFICATION 1	SPECIFICATION 2	SPECIFICATION 3
WS-02A & B			
DESCRIPTIONS	Workstation with Panels, (1)30"w&(1)36"w Overhead Bins w/ Task Lights, Flipper Door (1) Fixed File/File Pedestal, (1) Mobile Box/Box/File Pedestal with Pencil Tray, (1)Dual Monitor Arm, (1) Keyboard Tray	Workstation with Panels, (1)30"w&(1)36"w Overhead Bins w/ Task Lights, Flipper Door (1) Fixed File/File Pedestal, (1) Mobile Box/Box/File Pedestal with Pencil Tray, (1)Dual Monitor Arm, (1) Keyboard Tray	Workstation with Panels, (1)30"w&(1)36"w Overhead Bins w/ Task Lights, Flipper Door (1) Fixed File/File Pedestal, (1) Mobile Box/Box/File Pedestal with Pencil Tray, (1)Dual Monitor Arm, (1) Keyboard Tray
MANUFACTURER	Steelcase	Haworth	Knoll
PRODUCT LINE/ MODEL NO.	Answer/Universal	Compose	Autostrada
DIMENSIONS	SEE ENLARGED PLANS	SEE ENLARGED PLANS	SEE ENLARGED PLANS
FINISHES	Paint: Platinum Metallic 4799 Laminate: Graphite Walnut 2410 Vertical Surface Fabric: Tinsel Depth P520 Trim: Platinum Metallic 4799 Grommet: Plastic Black	Paint: Metallic Silver TR-LE Laminate: H-KG Colombian Walnut Vertical Surface Fabric: Point Decimal EE-AC Trim: Metallic Silver TR-LE Grommet: Plastic Black	Paint: Silver Laminate: Graphite Pear Vertical Surface Fabric: Skylark W1718 W1718 Mist Trim: Silver Grommet: Plastic Black
QUANTITY	**REFER TO DRAWINGS**		

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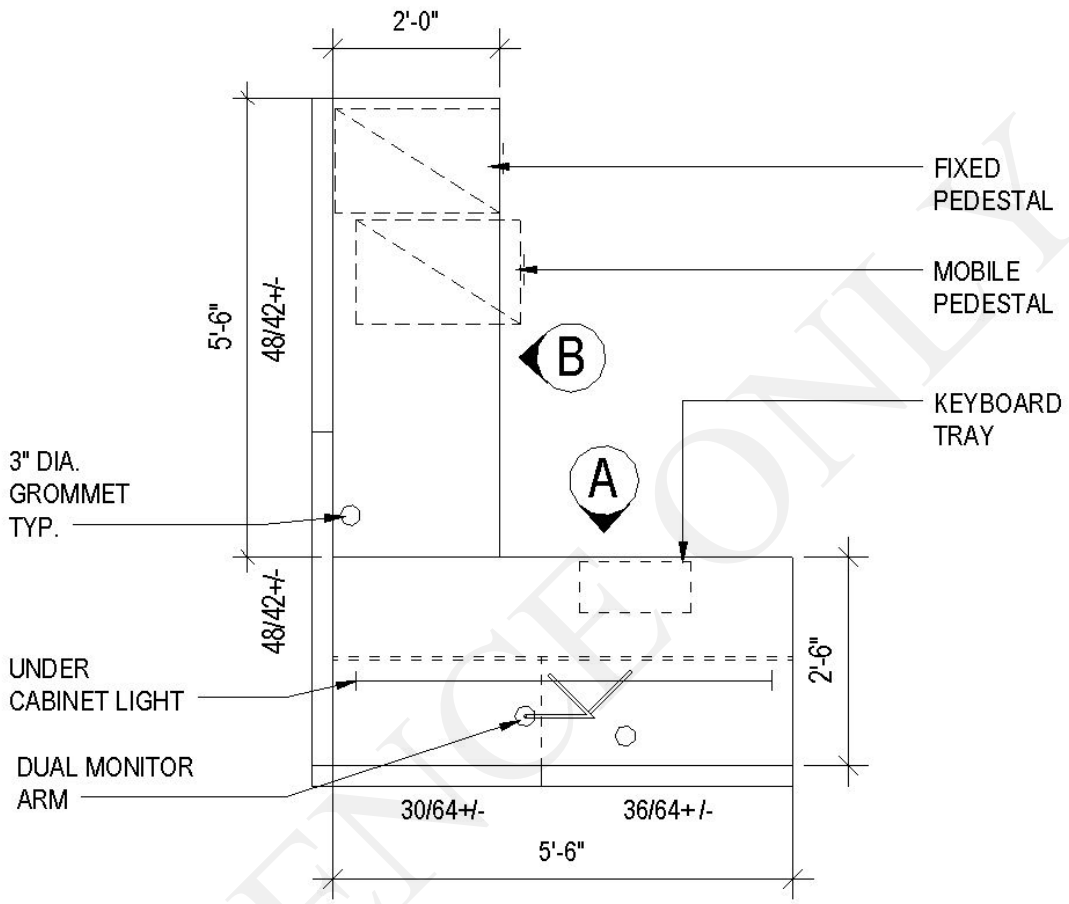
CAO RISK

WS-02A



ENLARGED PLAN

GENERAL NOTES:
1. REFER TO I3.02.1 FURNITURE PLAN FOR ELECTRICAL & TELECOMMUNICATIONS OUTLET LOCATIONS & QUANTITIES.
2. WS-02A&B, WS-04 : FURNITURE PANEL XX/XX = PANEL WIDTH/PANEL HEIGHT.
3. REFER TO SPECIFICATION SECTION 12 60 10 FOR KEYING REQUIREMENT.
4. VENDOR TO VERIFY ALL FIELD DIMENSIONS, PARTS, AND QUANTITIES NEEDED.

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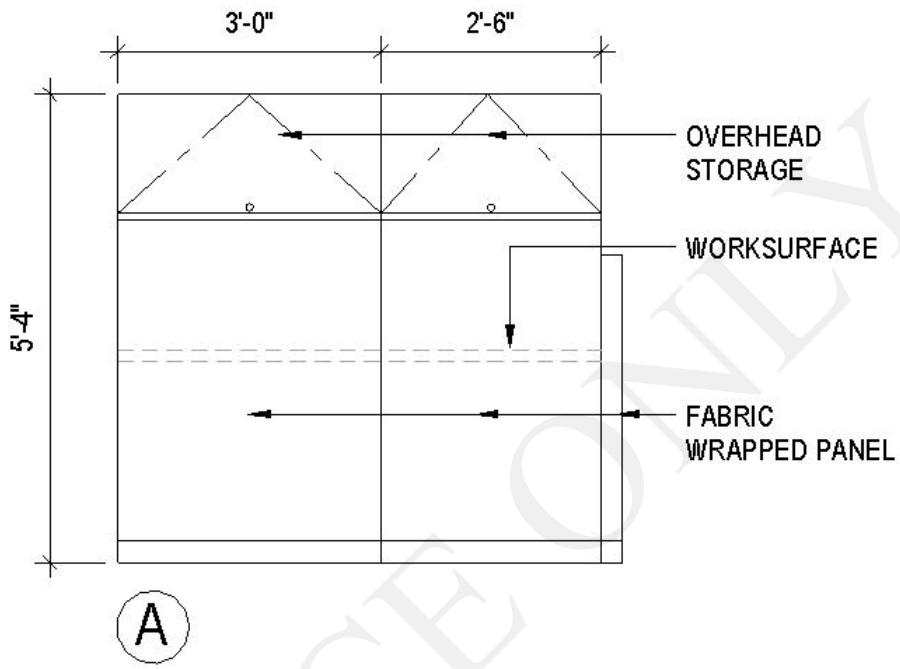

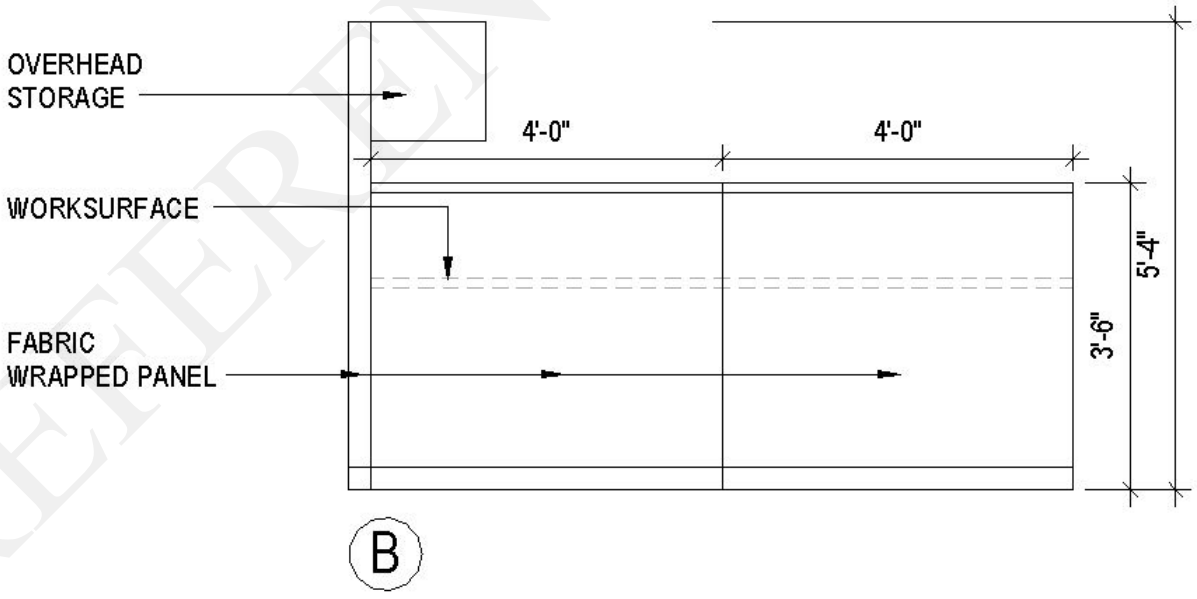

ELEVATIONS

GENERAL NOTES: NONE

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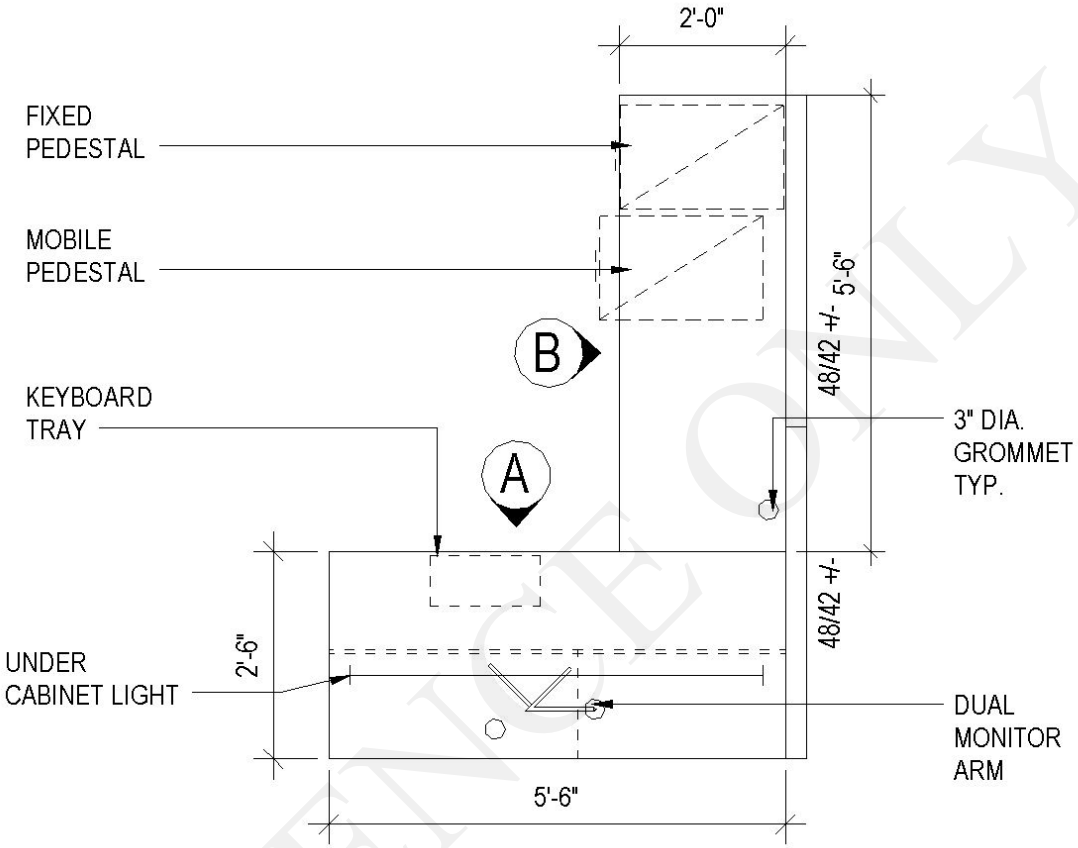
WS-02B



ENLARGED PLAN

GENERAL NOTES:
1. REFER TO I3.02.1 FURNITURE PLAN FOR ELECTRICAL & TELECOMMUNICATIONS OUTLET LOCATIONS & QUANTITIES.
2. WS-02A&B, WS-04 : FURNITURE PANEL XX/XX = PANEL WIDTH/PANEL HEIGHT.
3. REFER TO SPECIFICATION SECTION 12 60 10 FOR KEYING REQUIREMENT.
4. VENDOR TO VERIFY ALL FIELD DIMENSIONS, PARTS, AND QUANTITIES NEEDED.

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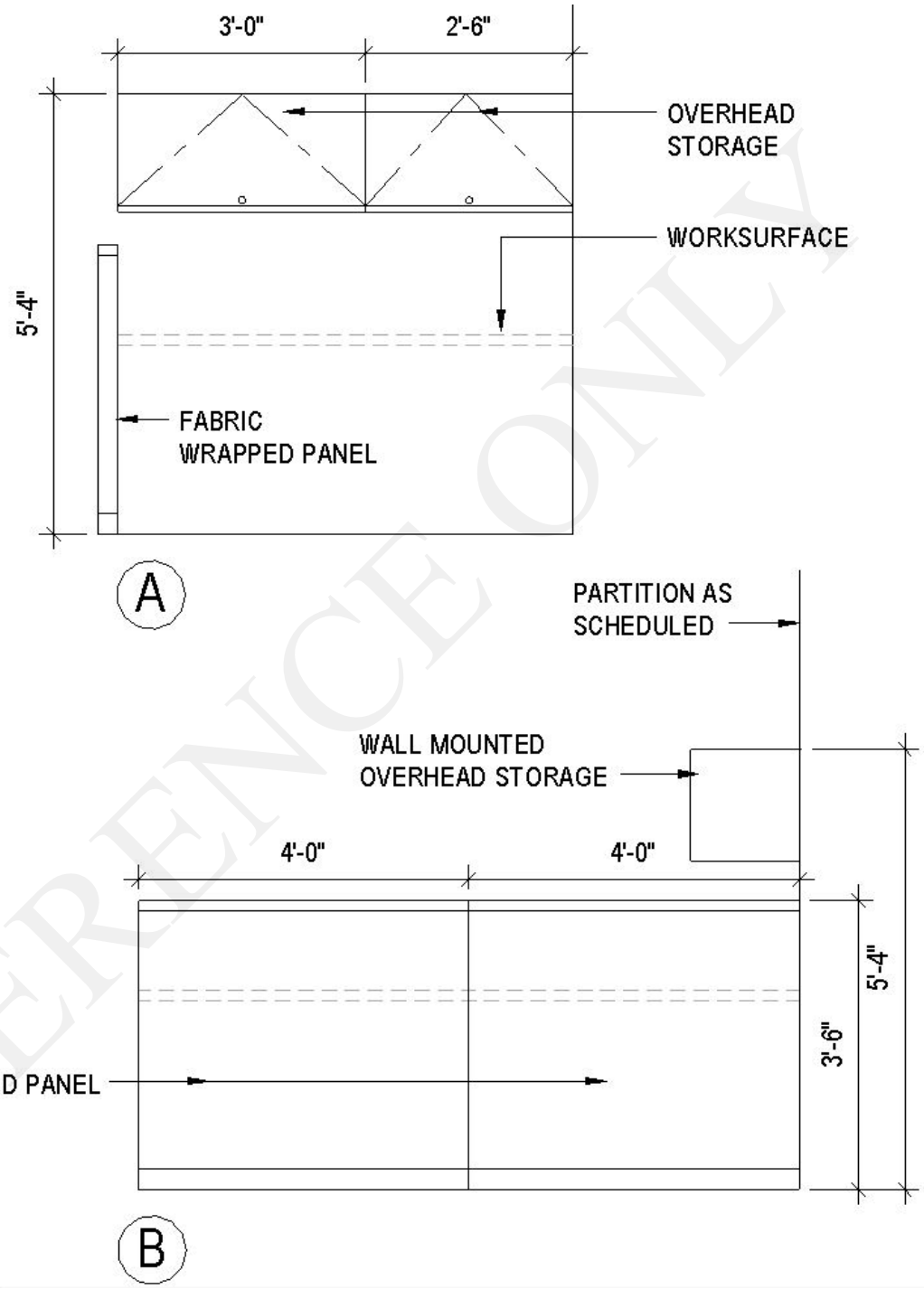
WS-02B



ELEVATIONS

GENERAL NOTES: NONE

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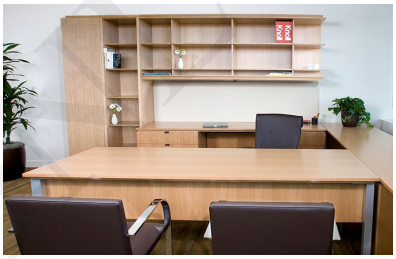
	SPECIFICATION 1	SPECIFICATION 2	SPECIFICATION 3
WS-03A & B			
DESCRIPTIONS	Workstation, Wood, Freestanding Overhead Storage w/Sliding Door, (1) Fixed File/File Pedestal, (1) Fixed Box/Box/File Pedestal with Pencil Tray, (1)Dual Monitor Arm, (1) Key-board Tray Modesty Panel	Workstation, Wood, Freestanding Overhead Storage w/Sliding Door, (1) Fixed File/File Pedestal, (1) Fixed Box/Box/File Pedestal with Pencil Tray, (1)Dual Monitor Arm, (1) Key-board Tray Modesty Panel	Workstation, Wood, Freestanding Overhead Storage w/Sliding Door, (1) Fixed File/File Pedestal, (1) Fixed Box/Box/File Pedestal with Pencil Tray, (1)Dual Monitor Arm, (1) Key-board Tray Modesty Panel
MANUFACTURER	Steelcase	Haworth	Knoll
PRODUCT LINE/ MODEL NO.	Electicve Elements	Masters	Le Schwab
DIMENSIONS	SEE ENLARGED PLANS	SEE ENLARGED PLANS	SEE ENLARGED PLANS
FINISHES	Wood: Graphite Walnut Vertical Surface Fabric: Tinsel Depth P520	Wood: Echo 2N-HL/2N-RL Vertical Surface Fabric: Point Decimal EE-AC	Wood: Grigio (V2) Vertical Surface Fabric: Skylark W1718 W1718 Mist
QUANTITY	REFER TO DRAWINGS		

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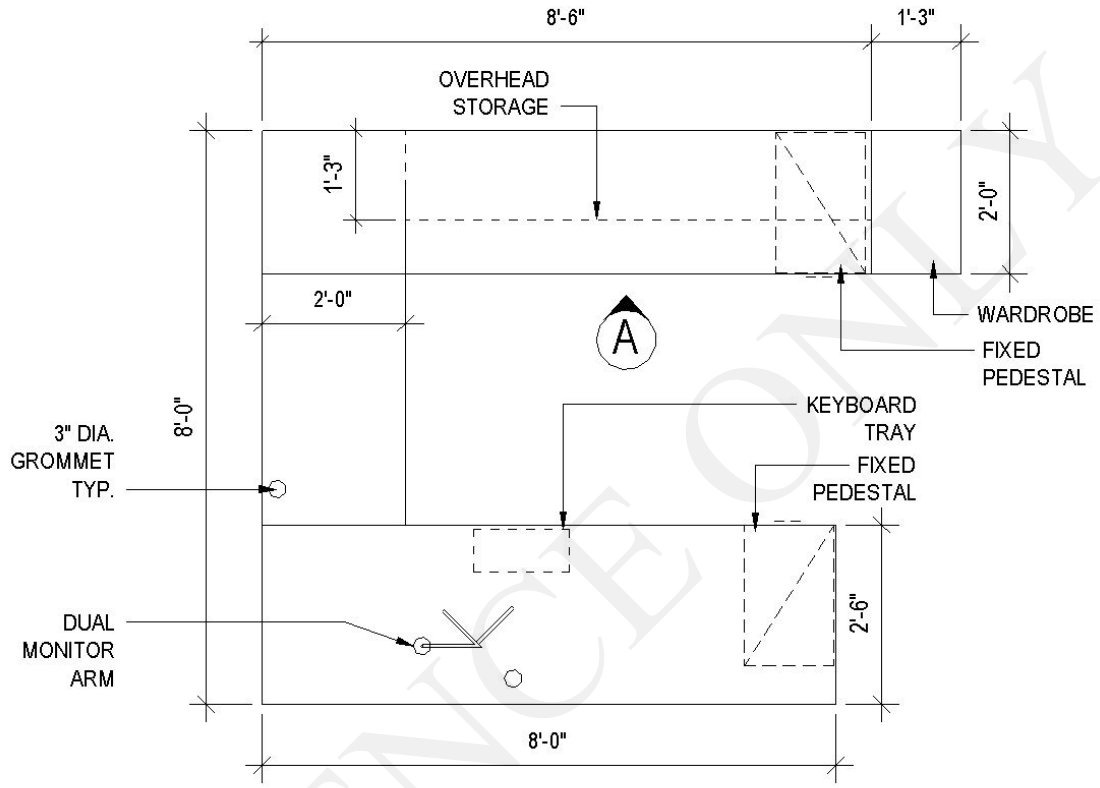
WS-03A



ENLARGED PLAN

REFERENCE ONLY

GENERAL NOTES:
1. REFER TO I3.02.1 FURNITURE PLAN FOR ELECTRICAL & TELECOMMUNICATIONS OUTLET LOCATIONS & QUANTITIES.
2. WS-02A&B, WS-04 : FURNITURE PANEL XX/XX = PANEL WIDTH/PANEL HEIGHT.
3. REFER TO SPECIFICATION SECTION 12 60 10 FOR KEYING REQUIREMENT.
4. VENDOR TO VERIFY ALL FIELD DIMENSIONS, PARTS, AND QUANTITIES NEEDED.

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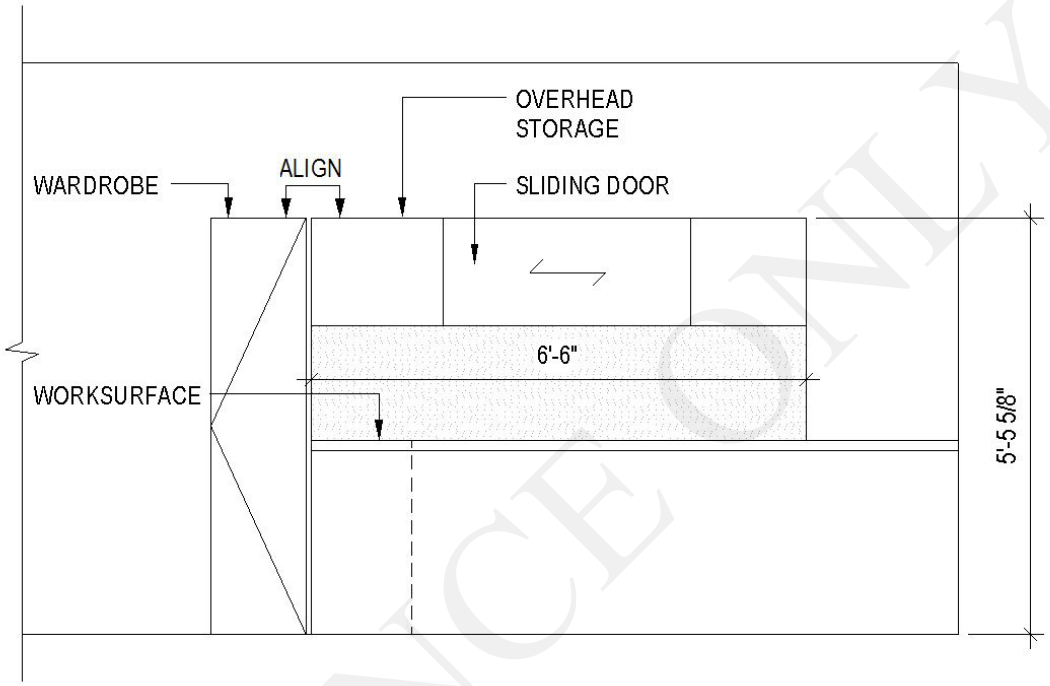
CAO RISK

WS-03A



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ELEVATIONS

GENERAL NOTES: NONE

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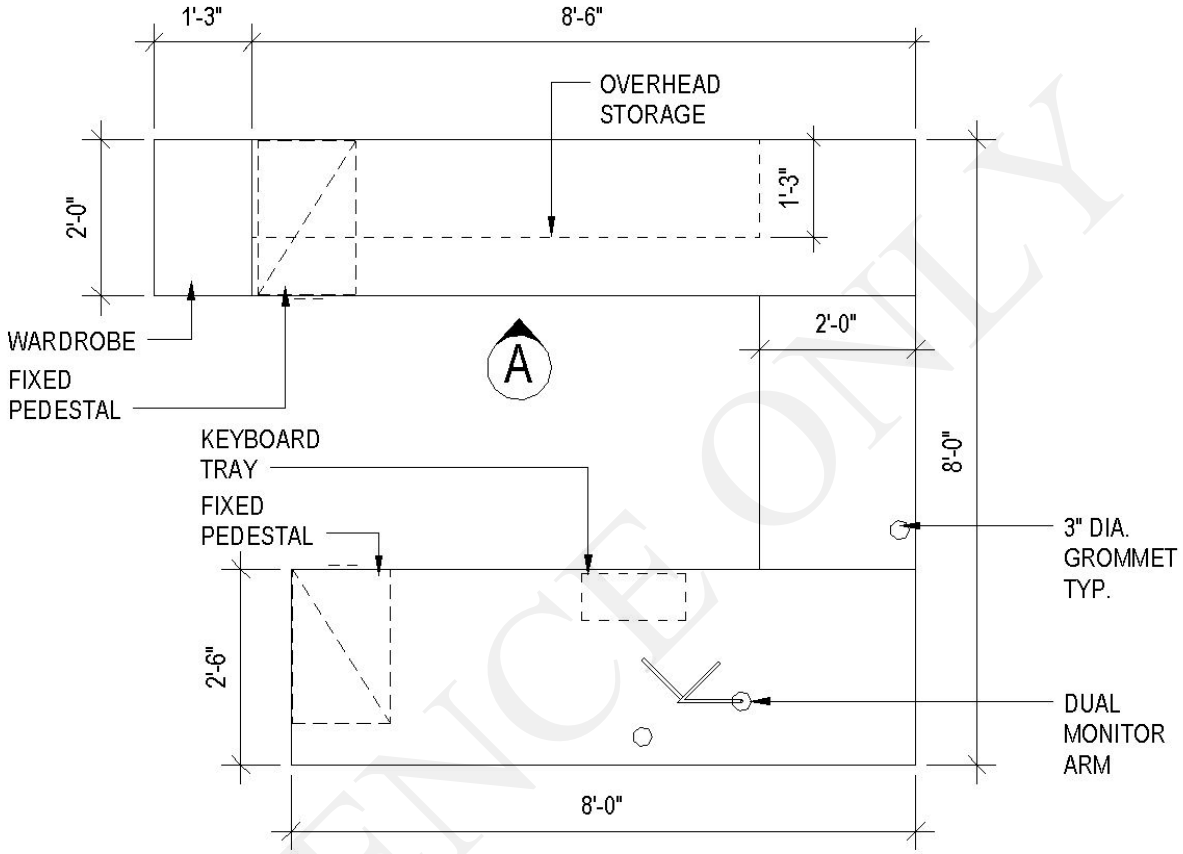
WS-03B



ENLARGED PLAN

GENERAL NOTES:

1. REFER TO I3.02.1 FURNITURE PLAN FOR ELECTRICAL & TELECOMMUNICATIONS OUTLET LOCATIONS & QUANTITIES.
2. WS-02A&B, WS-04 : FURNITURE PANEL XX/XX = PANEL WIDTH/PANEL HEIGHT.
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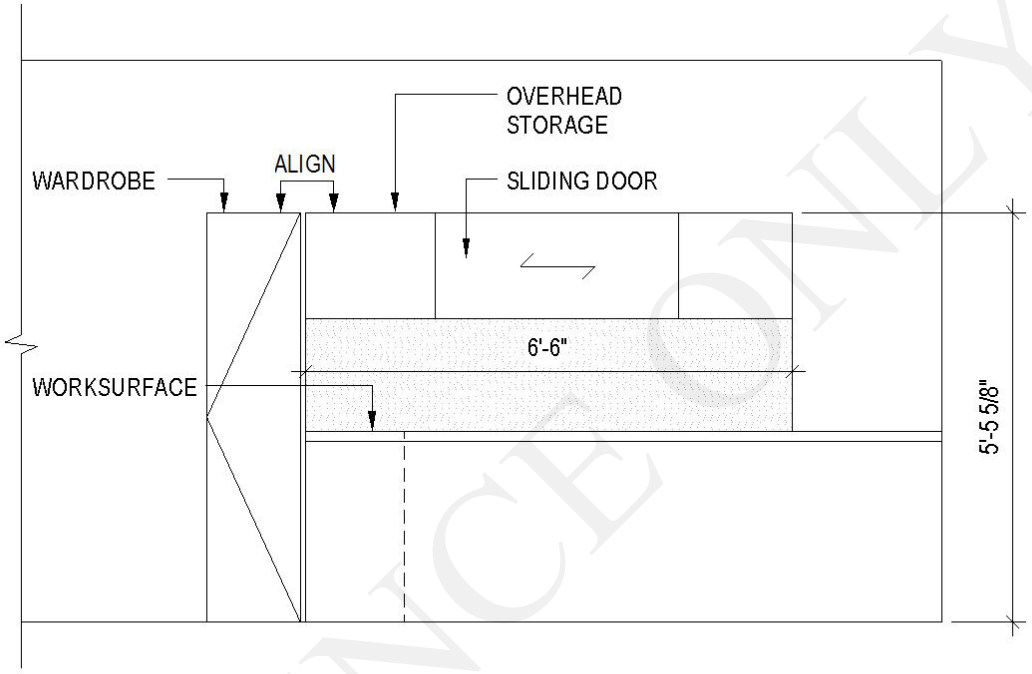
WS-03B



A

ELEVATIONS

GENERAL NOTES: NONE

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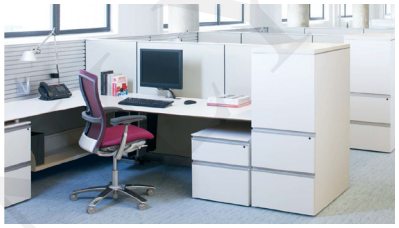
	SPECIFICATION 1	SPECIFICATION 2	SPECIFICATION 3
WS-04	**RECEPTION DESK WITH TRANSACTION COUNTER	**RECEPTION DESK WITH TRANSACTION COUNTER	 **RECEPTION DESK WITH TRANSACTION COUNTER
DESCRIPTIONS	Workstation with Panel & Transaction Counter, (2)36"w Desk Height 2drawer Lateral File w/Laminate Finish, (1) Fixed File/File Pedestal, (1) Mobile Box/Box/File Pedestal with Pencil Tray, (1)Dual Monitor Arm, (1) Keyboard Tray	Workstation with Panel & Transaction Counter, (2)36"w Desk Height 2drawer Lateral File w/Laminate Finish, (1) Fixed File/File Pedestal, (1) Mobile Box/Box/File Pedestal with Pencil Tray, (1)Dual Monitor Arm, (1) Keyboard Tray	Workstation with Panel & Transaction Counter, (2)36"w Desk Height 2drawer Lateral File w/Laminate Finish, (1) Fixed File/File Pedestal, (1) Mobile Box/Box/File Pedestal with Pencil Tray, (1)Dual Monitor Arm, (1) Keyboard Tray
MANUFACTURER	Steelcase	Haworth	Knoll
PRODUCT LINE/ MODEL NO.	Answer/Universal/Elective Elements	Compose/Masters	Autostrada
DIMENSIONS	SEE ENLARGED PLANS	SEE ENLARGED PLANS	SEE ENLARGED PLANS
FINISHES	Paint: Platinum Metallic 4799 Laminate: Graphite Walnut 2410 Vertical Surface Fabric: Tinsel Depth P520 Trim: Platinum Metallic 4799 Grommet: Plastic Black	Paint: Metallic Silver TR-LE Laminate: H-KG Colombian Walnut Vertical Surface Fabric: Point Decimal EE-AC Trim: Metallic Silver TR-LE Grommet: Plastic Black	Paint: Silver Laminate: Graphite Pear Vertical Surface Fabric: Skylark W1718 W1718 Mist Trim: Silver Grommet: Plastic Black
QUANTITY	**REFER TO DRAWINGS**		

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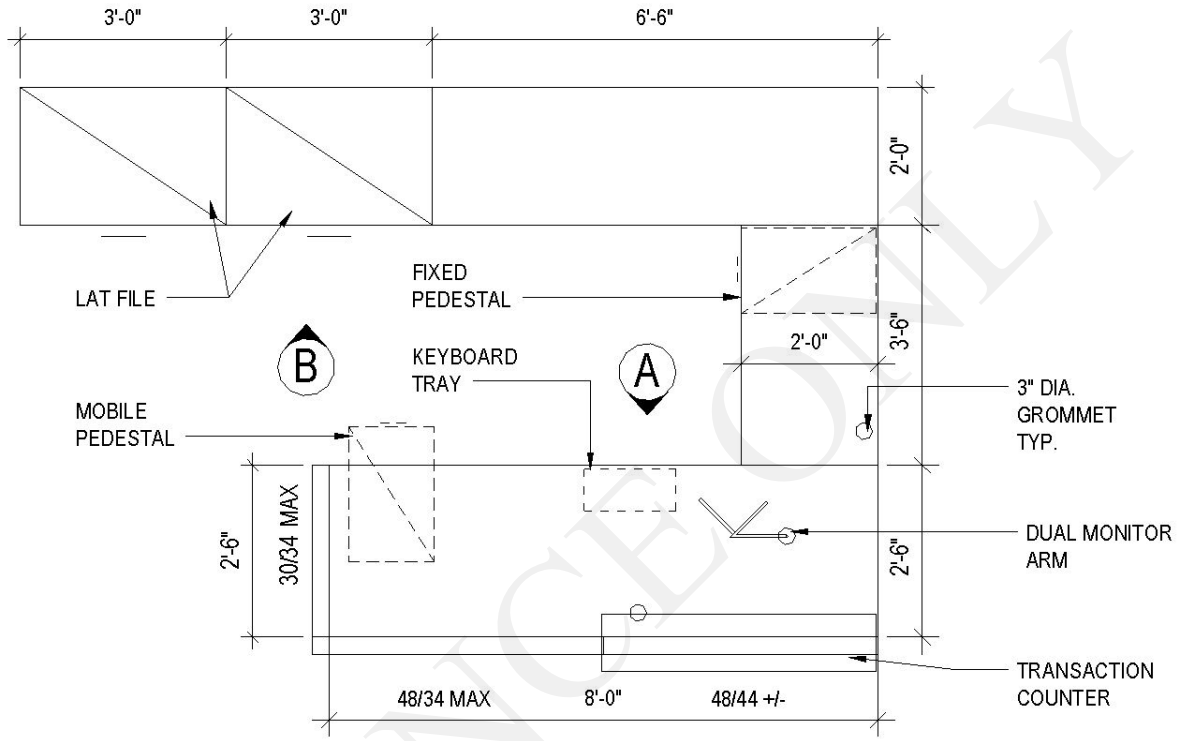
WS-04



ENLARGED PLAN

GENERAL NOTES:

1. REFER TO I3.02.1 FURNITURE PLAN FOR ELECTRICAL & TELECOMMUNICATIONS OUTLET LOCATIONS & QUANTITIES.
2. WS-02A&B, WS-04 : FURNITURE PANEL XX/XX = PANEL WIDTH/PANEL HEIGHT.
3. REFER TO SPECIFICATION SECTION 12 60 10 FOR KEYING REQUIREMENT.
4. VENDOR TO VERIFY ALL FIELD DIMENSIONS, PARTS, AND QUANTITIES NEEDED.

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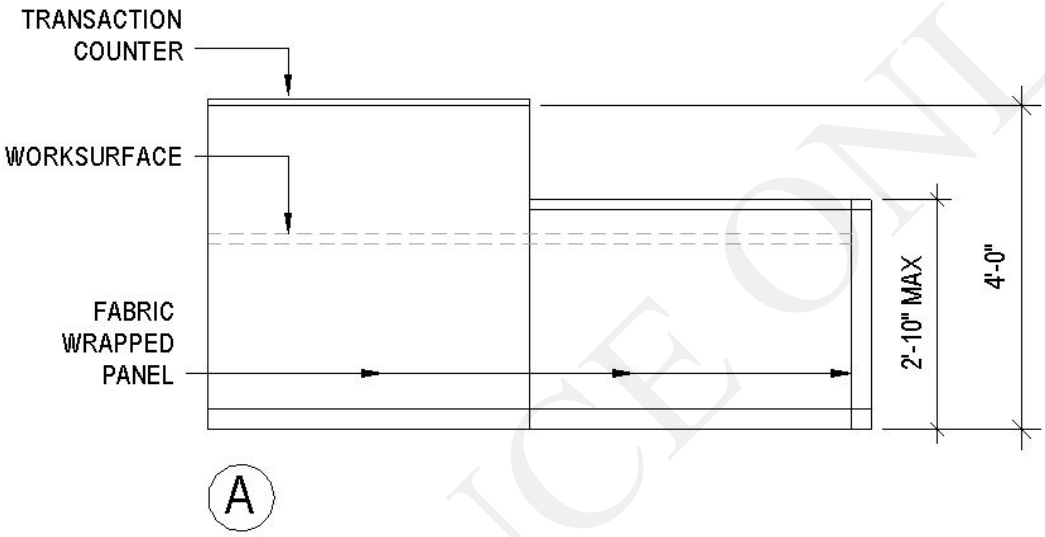
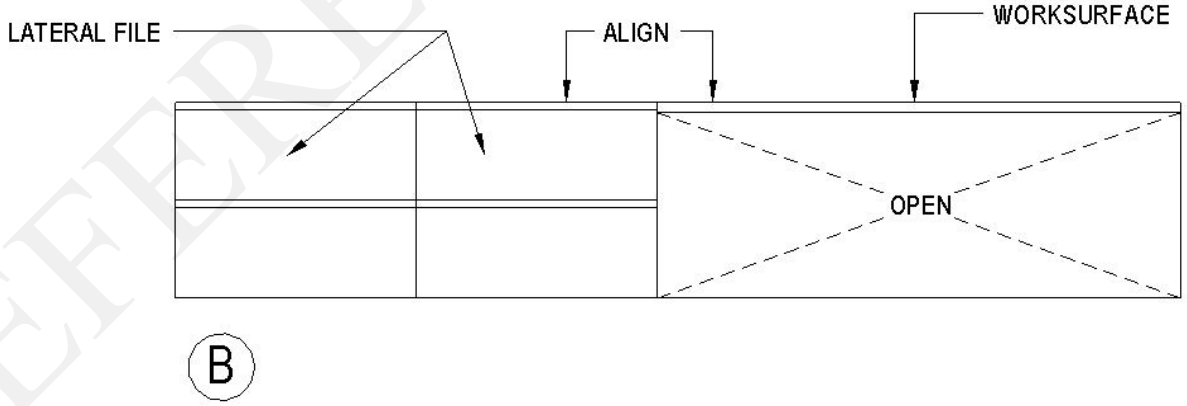
CAO RISK

WS-04





ELEVATIONS

GENERAL NOTES: NONE

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	SPECIFICATION 1	SPECIFICATION 2	SPECIFICATION 3
AC-15			
DESCRIPTIONS	Locker, Steel - 2 Tier, Coat Hooks, Lockable	Locker, Steel - 2 Tier, Hooks, Lockable	Locker, Steel - 2 Tier, Hooks, Lockable
MANUFACTURER	Penco Products	Lyon	Safco
PRODUCT LINE/ MODEL NO.	Vanguard Standard Double Tier VAN. HNDL	Standard Steel Lockers Double Tier #5222	Double Tier Locker #5523GR
DIMENSIONS	12"W x 72"H x 18"D	12"W x 78"H x 18"D	12"W x 78"H x 18"D
FINISHES	Color: 021 Grey Ash	Color: Grey	Color: Grey GR
QUANTITY	**REFER TO DRAWINGS**		

REFERENCE ONLY

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	SPECIFICATION 1	SPECIFICATION 2	SPECIFICATION 3
BE-03			
DESCRIPTIONS	Bench, ADA Locker Frerestanding	Bench, ADA Locker Frerestanding	Bench, ADA Locker Frerestanding
MANUFACTURER	Hallman	Penco	Robinson Steel
PRODUCT LINE/ MODEL NO.	ADA Butcher Block Benches w/"T " legs	ADA locker Room Bench w/Steel Pedestals	ADA Locker Room Bench w/pedes-tals
DIMENSIONS	48"W x 20"D x 17 1/2"H	48"W x 20"D x 17 1/2"H	48"W x 20"D x 17 1/2"H
FINISHES	Seat: Clear Stain, Maple Legs: Steel	Seat: Maple Wood Legs: Grey Powder Coart	Seat: Maple Wood Legs: Painted Steel Grey
QUANTITY	**REFER TO DRAWINGS**		

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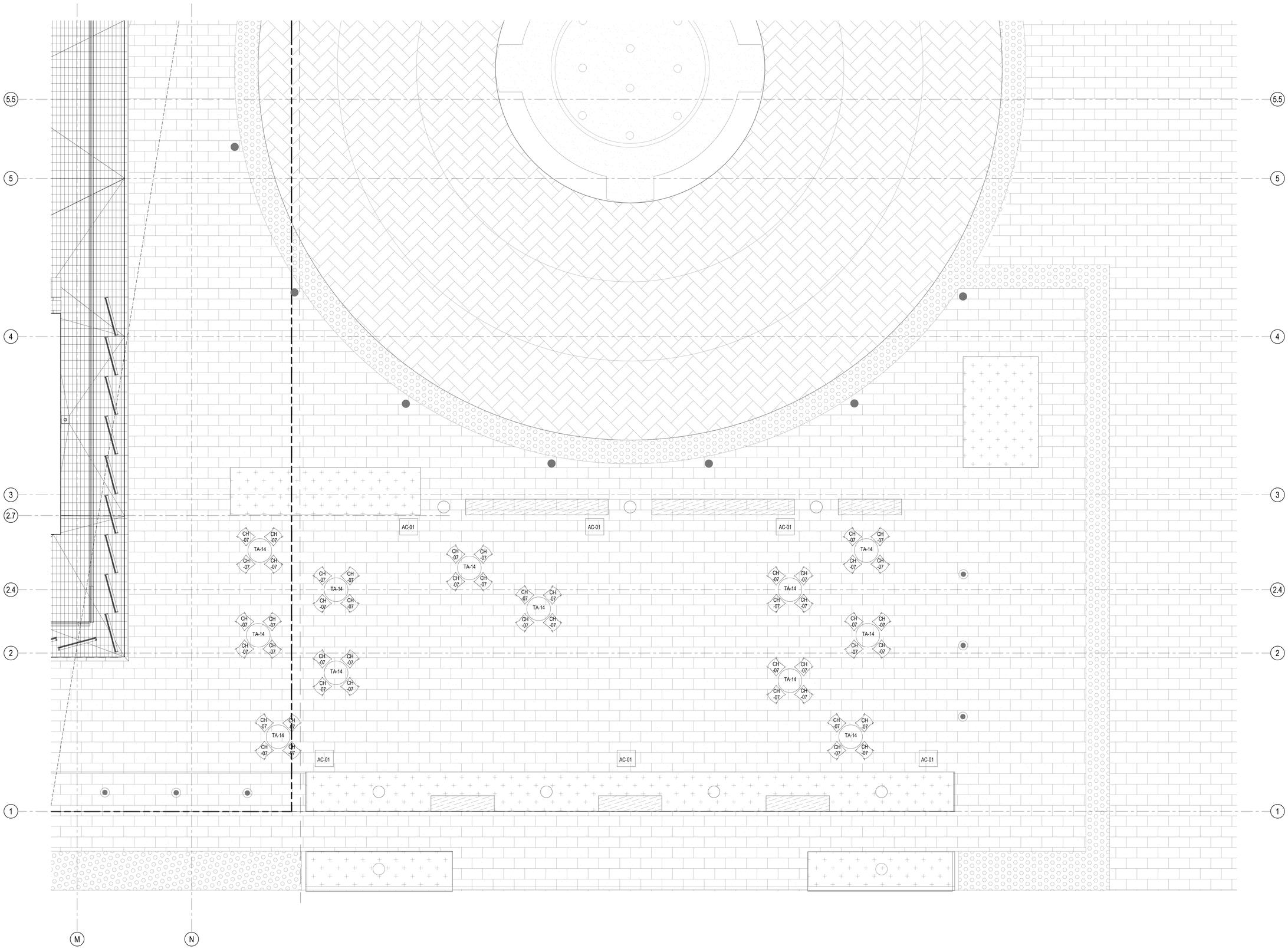
Agreement #: Ag-5097 - Page 362 of 529
Approved as to Form
Date



ENLARGED FURNITURE PLAN - PORTOLA PLAZA 01
SCALE: 1/4" = 1'-0"

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

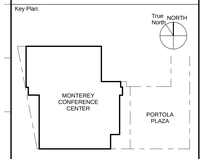
CITY OF MONTEREY
CITY HALL
580 PACIFIC STREET, MONTEREY, CA 93940
TEL: (831) 646-5601

Architect:
SOM
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

Consultants:

Issued For:

No.	Description:	Date:

Key Plan:


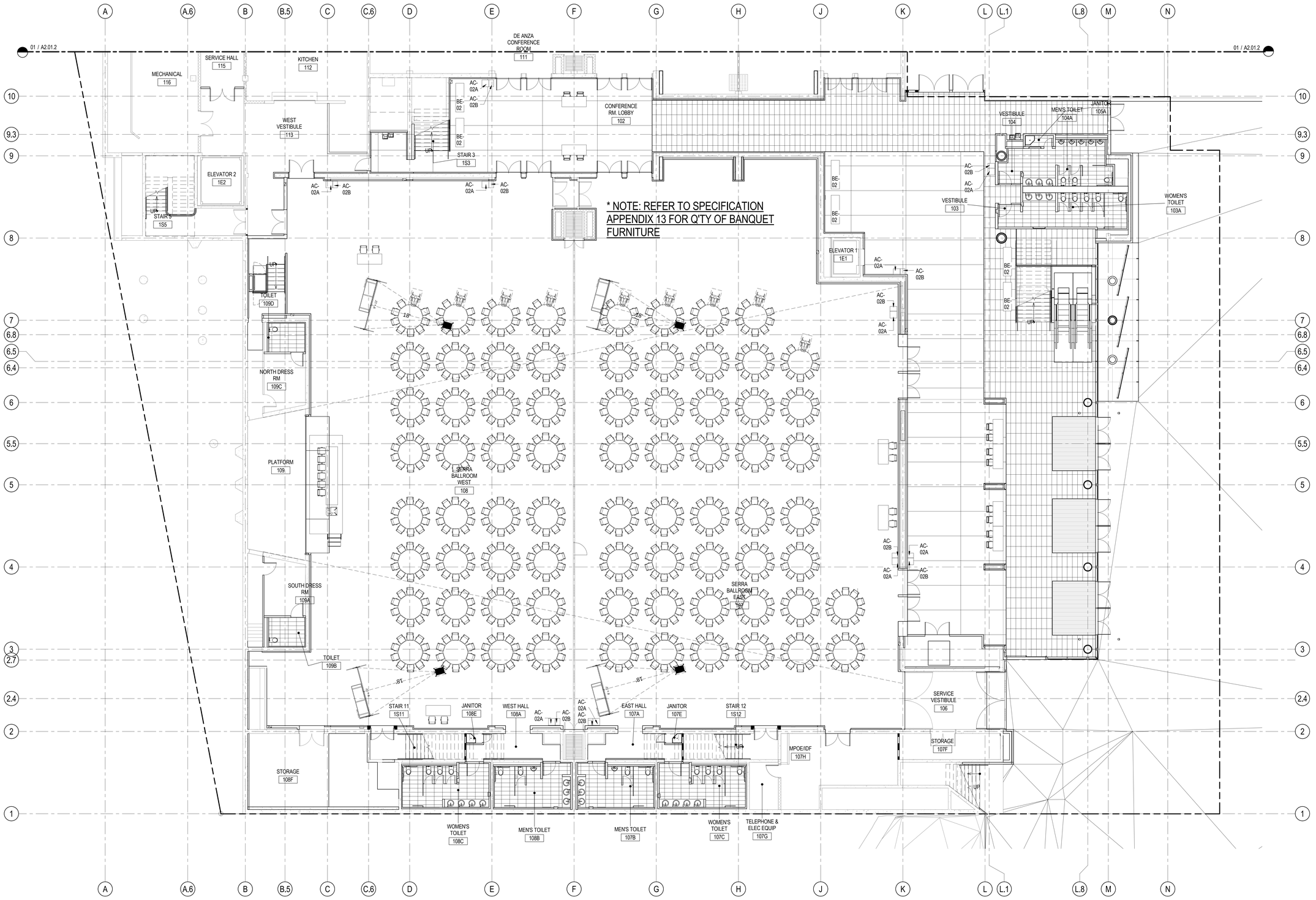
Seal & Signature:
LICENSED ARCHITECT
CLIFTON K. BOSWELL
C-26963
MAY 31 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:
FURNITURE PLAN
- PORTOLA PLAZA

Project No.: 215004
Sheet No.: F2.01P
Drawn By: Author
Checked By: Checker
Scale: 1/4" = 1'-0"

8/4/2016 2:39:54 PM

Agreement #: Ag-5097 - Page 362
Approved as to Form
Date
Item
329



* NOTE: PROJECTOR AT CEILING

ENLARGED FURNITURE PLAN - LEVEL 1 - SERRA BANQUET 01
SCALE: 1/8" = 1'-0"

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

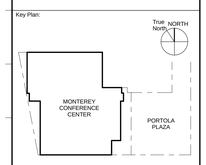
CITY OF MONTEREY
CITY HALL
580 PACIFIC STREET, MONTEREY, CA 93940
TEL: (831) 646-5601

Architect:
SOM
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

Consultants:

Issued For:

No.	Description:	Date:
	60% PROJECT COMPLETION	15 MAY 2015
	PERMIT SET	15 JUNE 2015

Key Plan:


Seal & Signature:
LICENSED ARCHITECT
CLIFTON K. BOSWELL
C-26963
MAY 31 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:
ENLARGED FURNITURE PLAN LEVEL 1 - SERRA BANQUET

Project No.:	215004	Sheet No.:
Drawn By:	Author	I3.01.1A
Checked By:	Checker	
Scale:	1/8" = 1'-0"	

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Agreement #: Ag-5097 - Page 362 of 429
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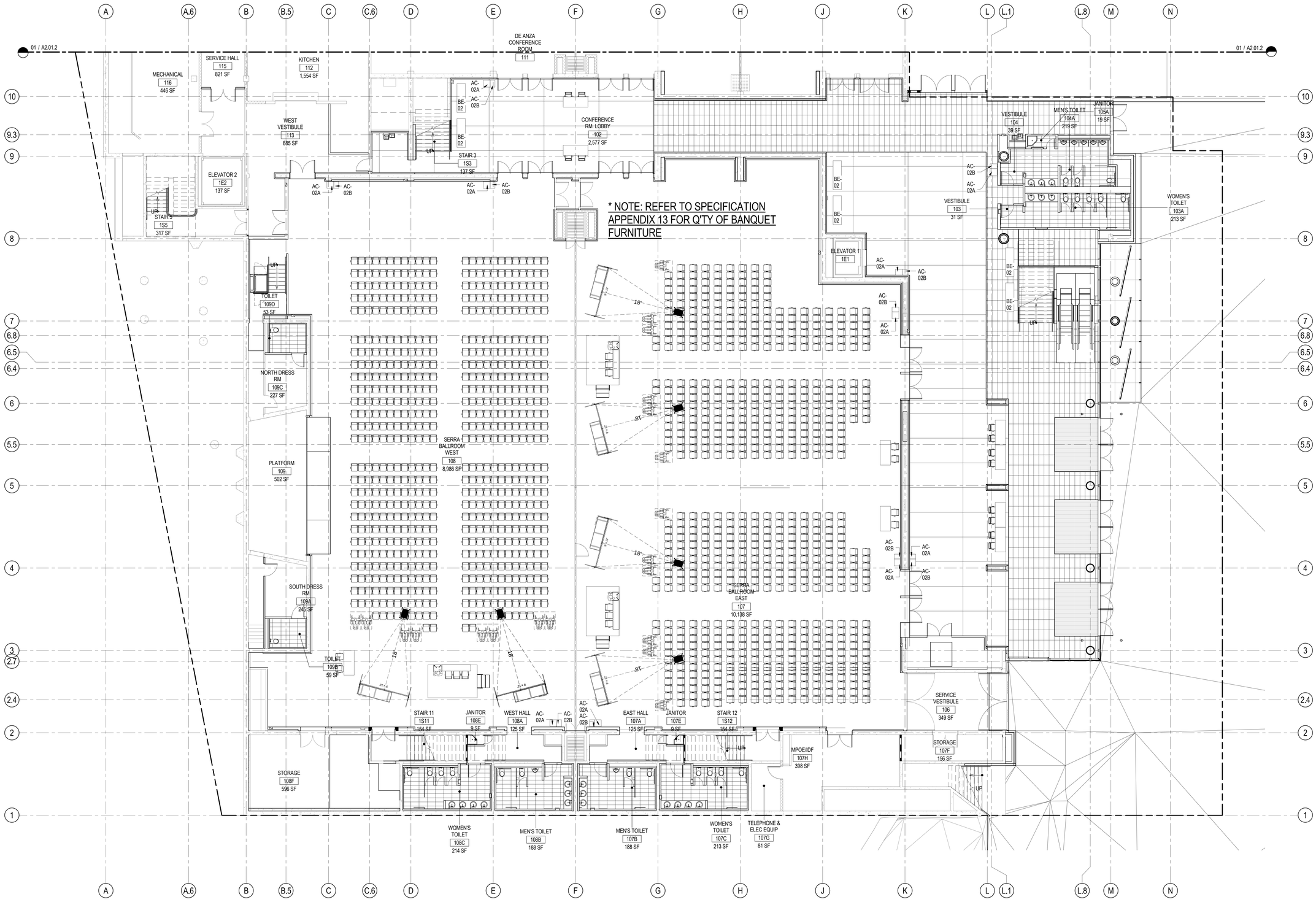


* NOTE: PROJECTOR AT CEILING

ENLARGED FURNITURE PLAN - LEVEL 1 - SERRA THEATER 1
SCALE: 1/8" = 1'-0" 01

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

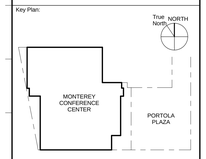
CITY OF MONTEREY
CITY HALL
580 PACIFIC STREET, MONTEREY, CA 93940
TEL: (831) 646-5601

Architect:
SOM
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

Consultants:

Issued For:

No.	Description:	Date:
	60% PROJECT COMPLETION	15 MAY 2015
	PERMIT SET	15 JUNE 2015

Key Plan:


Seal & Signature:
LICENSED ARCHITECT
CLIFTON K. BOSWELL
C-26963
MAY 3 1 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:
ENLARGED FURNITURE PLAN LEVEL 1 - SERRA THEATER 1

Project No.:	Sheet No.:
215004	I3.01.1B
Drawn By: Author	
Checked By: Checker	
Scale: 1/8" = 1'-0"	

8/14/2016 2:38:34 PM

Agreement #: Ag-5097 - Page 362 of 529
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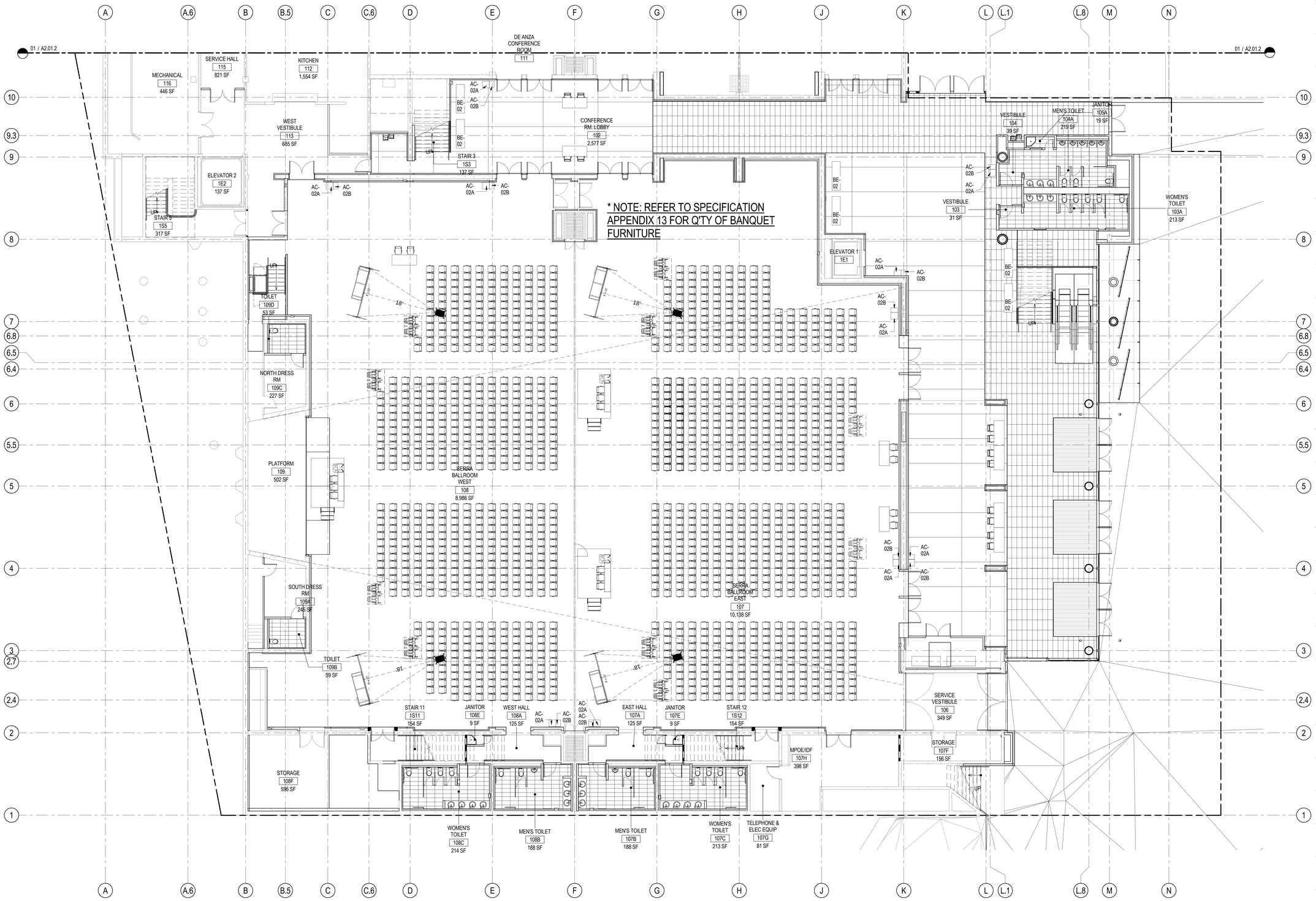

* NOTE: PROJECTOR AT CEILING

ENLARGED FURNITURE PLAN - LEVEL 1 - SERRA THEATER 2
SCALE: 1/8" = 1'-0" 01

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL
580 PACIFIC STREET, MONTEREY, CA 93940
TEL: (831) 646-5601

Architect:
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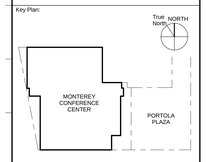
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

Consultants:

Issued For:

No.	Description:	Date:
	60% PROJECT COMPLETION	15 MAY 2015
	PERMIT SET	15 JUNE 2015

Key Plan:


Seal & Signature:
LICENSED ARCHITECT
CLIFTON K. BOSWELL
C-26963
MAY 31 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:
ENLARGED FURNITURE PLAN LEVEL 1 - SERRA THEATER 2

Project No.:	Sheet No.:
215004	I3.01.1C
Drawn By: Author	
Checked By: Checker	
Scale: 1/8" = 1'-0"	

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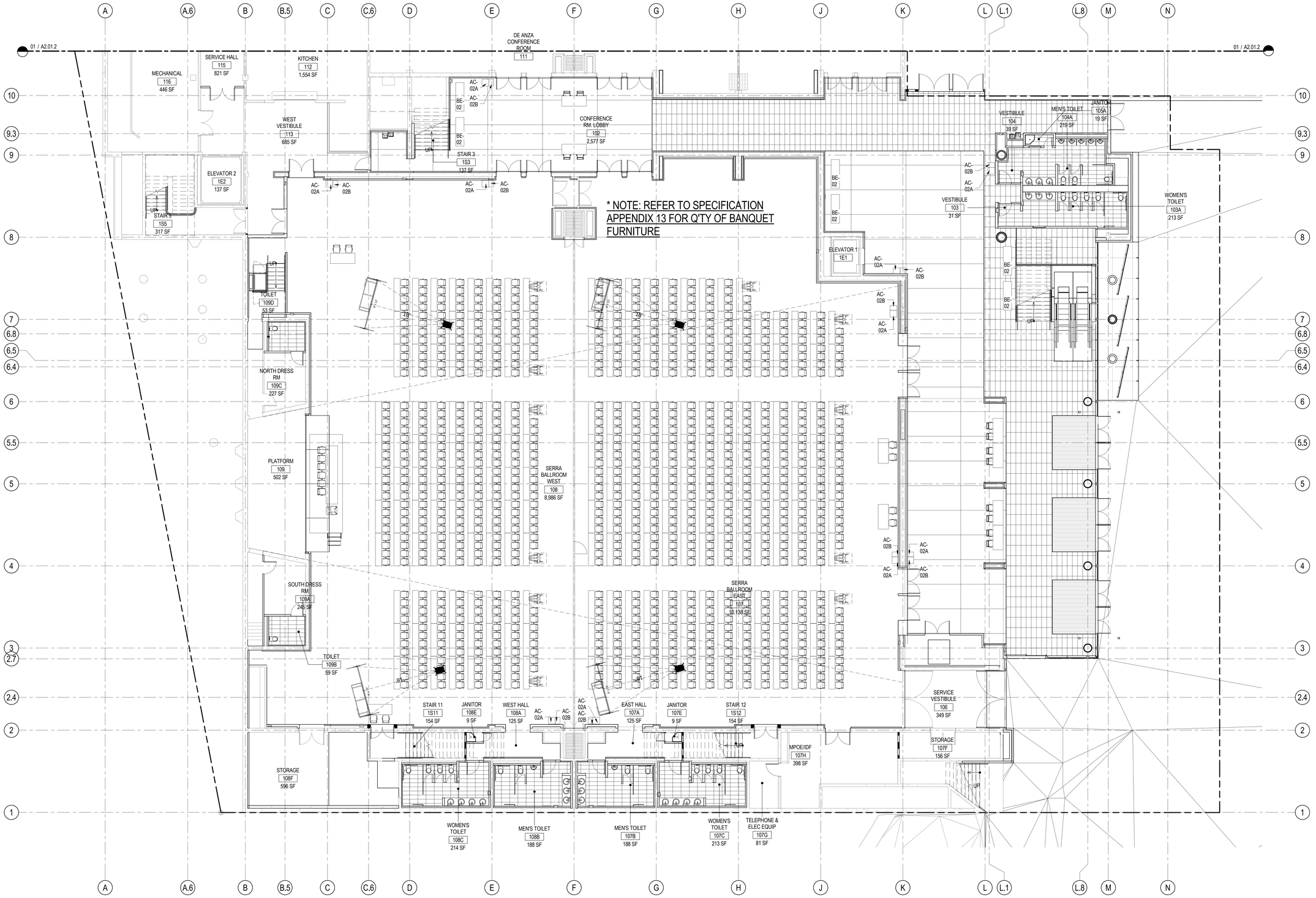
Agreement #: Ag-5097 - Page 362
Approved as to Form (City) (Date) 29



* NOTE: PROJECTOR AT CEILING

ENLARGED FURNITURE PLAN - LEVEL 1 - SERRA CLASSROOM 01
SCALE: 1/8" = 1'-0"

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL
580 PACIFIC STREET, MONTEREY, CA 93940
TEL: (831) 646-5601

Architect:
SOM
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SAN FRANCISCO, CA 94111

Consultants:

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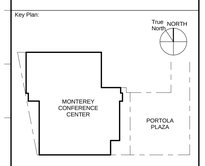
No.	Description:	Date:
	60% PROJECT COMPLETION	15 MAY 2015
	PERMIT SET	15 JUNE 2015

Key Plan:


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LICENSED ARCHITECT
CLIFTON K. BOSWELL
C-26963
MAY 31 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:
ENLARGED FURNITURE PLAN LEVEL 1 - SERRA CLASSROOM

Project No.:	Sheet No.:
215004	I3.01.1D
Drawn By: Author	
Checked By: Checker	
Scale: 1/8" = 1'-0"	

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Agreement #: Ag-5097 - Page 362
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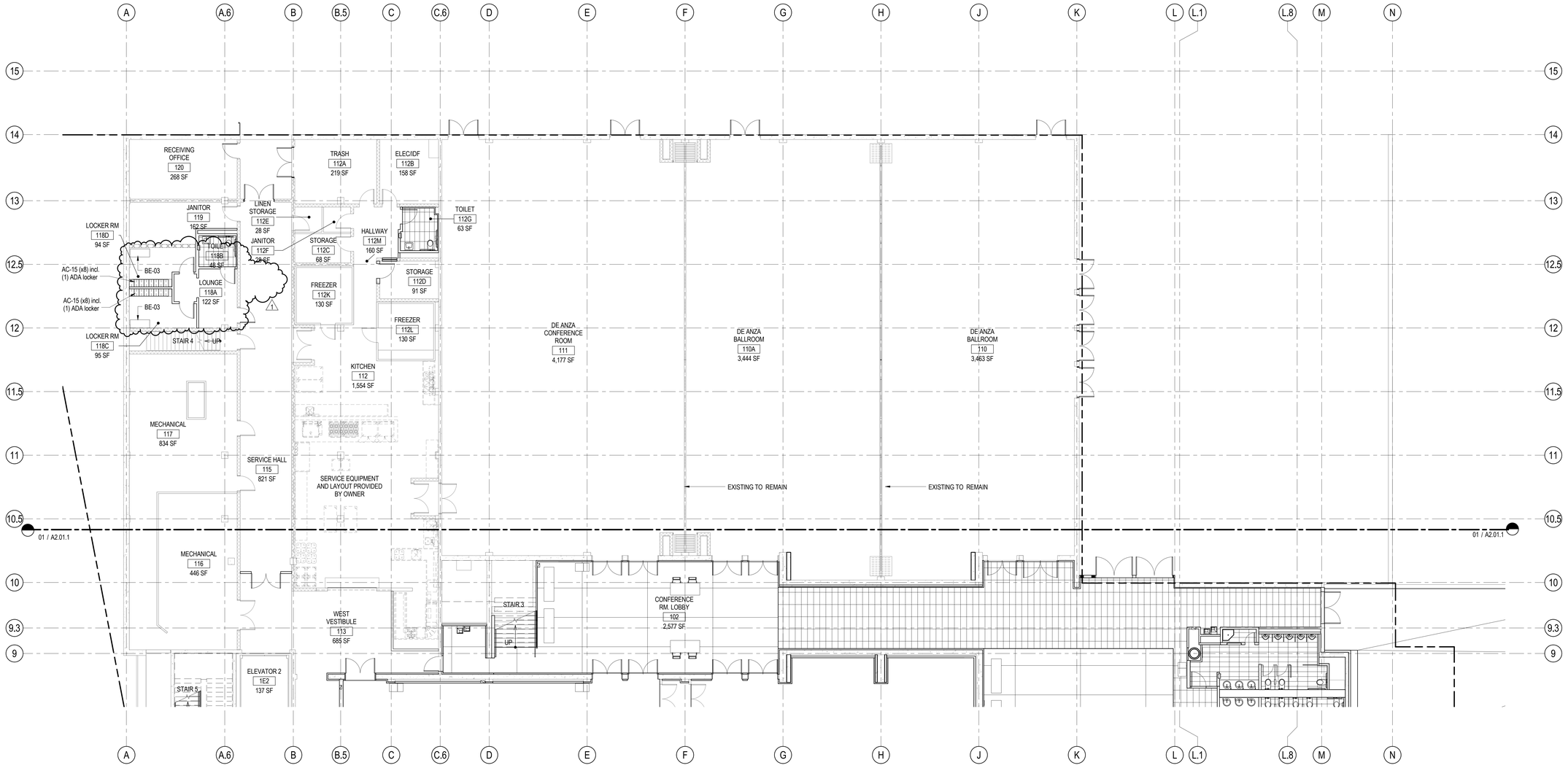
CAO
CMO
3 2 9



ENLARGED FURNITURE FLOOR PLAN - LEVEL 1 - NORTH 01
SCALE: 1/8" = 1'-0"

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL
580 PACIFIC STREET, MONTEREY, CA 93940
TEL: (831) 646-5601

Architect:
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SAN FRANCISCO, CA 94111

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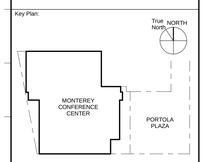
No.	Description:	Date:
1	ADDENDUM 1	11 SEPT 2015

Key Plan:


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MAY 3 1 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:
ENLARGED FURNITURE PLAN - LEVEL 1 NORTH

Project No.:	215004	Sheet No.:
Drawn By:	Author	I3.01.2
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Scale:	1/8" = 1'-0"	

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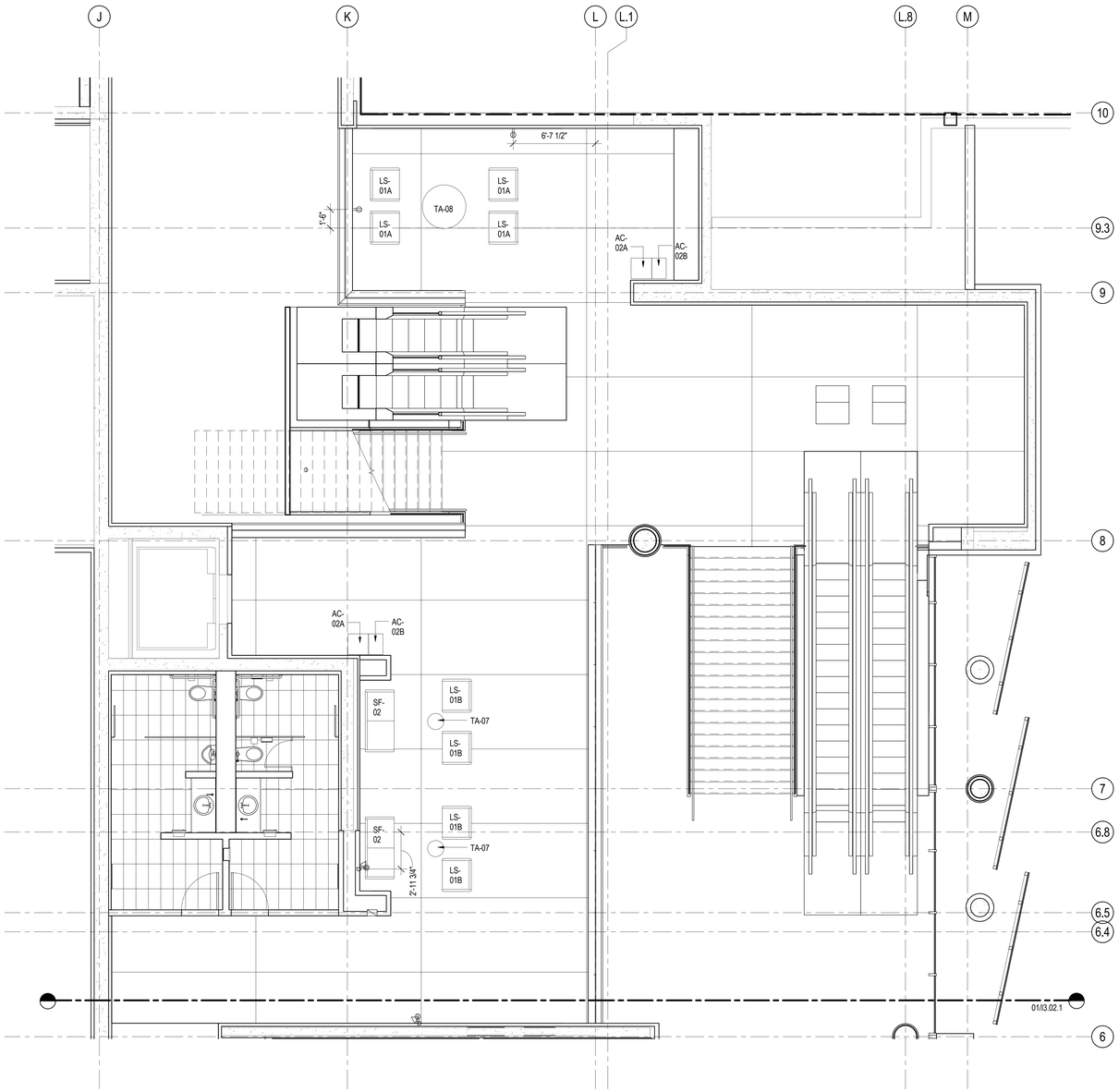
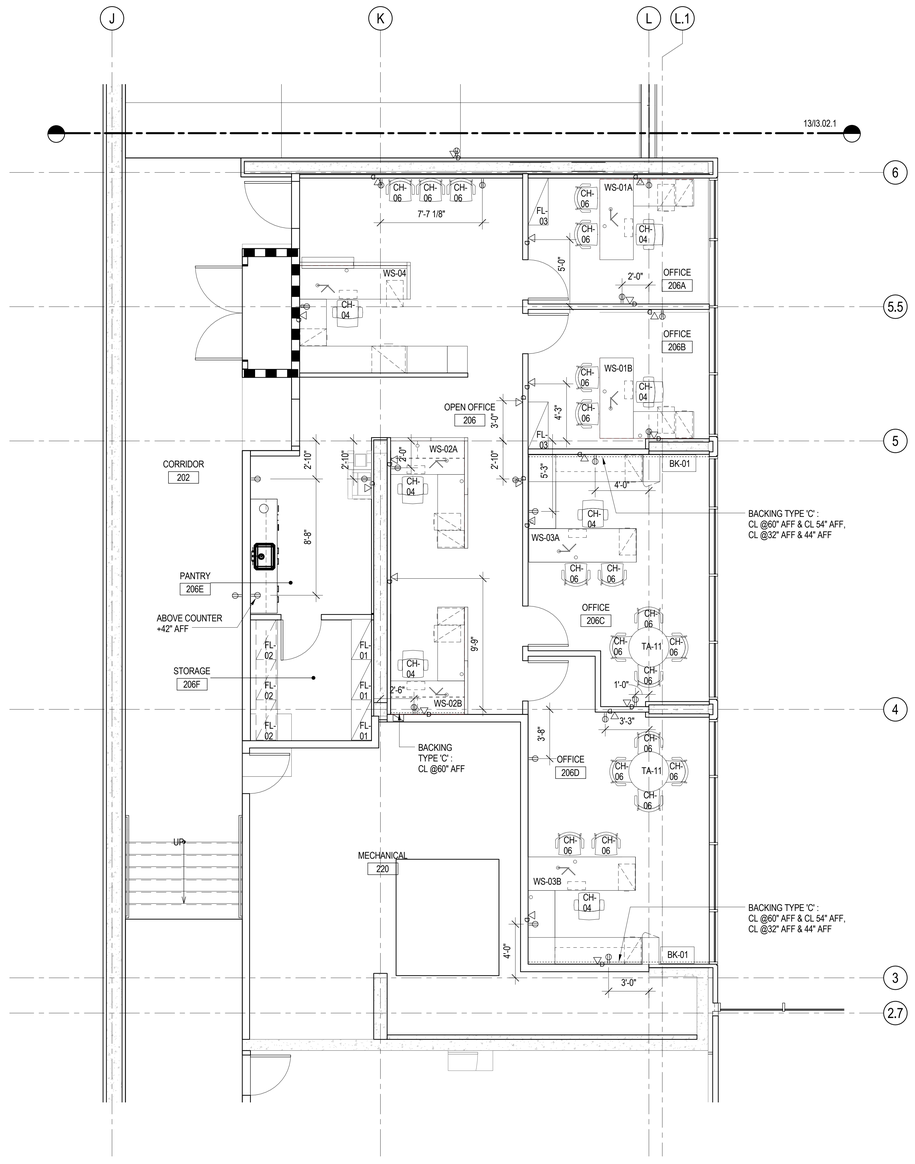
3 2 9

** THE FURNITURE DEALER TO BE RESPONSIBLE FIELD VERIFY FOR THE FURNITURE DIMENSION BEFORE ORDERING THE FURNITURE.



ENLARGED FURNITURE PLAN - MEZZANINE LEVEL - NORTH 13
SCALE: 1/4" = 1'-0"



ENLARGED FURNITURE PLAN - MEZZANINE LEVEL - SOUTH 01
SCALE: 1/4" = 1'-0"

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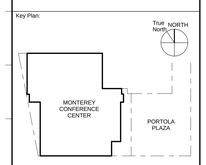
No.	Description:	Date:
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015

Key Plan:


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CLIFTON K. BOSWELL
C-26963
MAY 31 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:
ENLARGED FURNITURE PLAN - MEZZANINE

Project No.:	Sheet No.:
215004	I3.02.1
Drawn By: Author	
Checked By: Checker	
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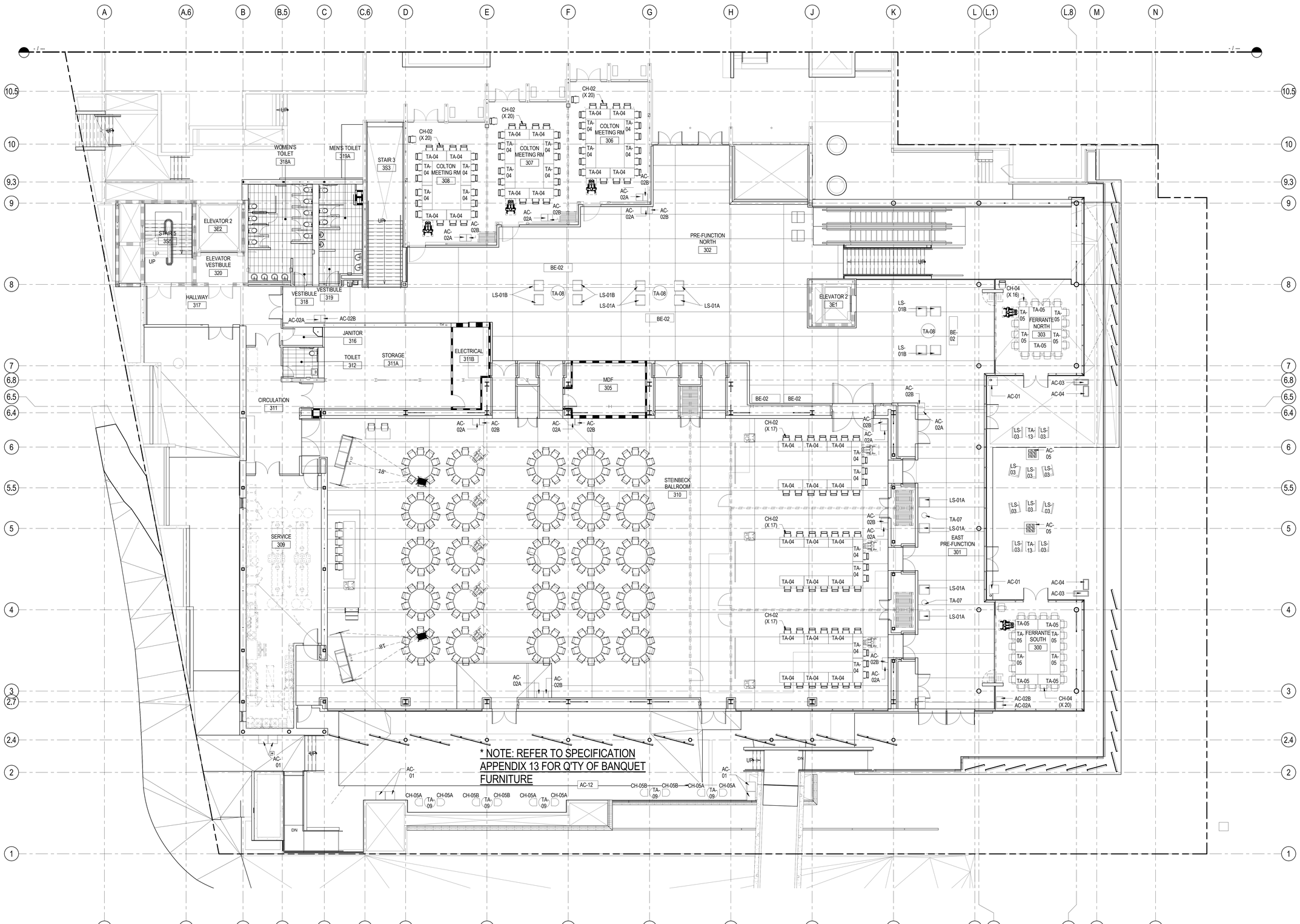

ENLARGED FURNITURE PLAN - LEVEL 2 - STEINBECK BANQUET 1
SCALE: 1/8" = 1'-0" 01

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Consultants:

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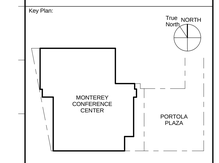
No.	Description:	Date:
	60% PROJECT COMPLETION	15 MAY 2015
	PERMIT SET	15 JUNE 2015

Key Plan:


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C-26963
MAY 31 2017
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STATE OF CALIFORNIA

Sheet Name:
ENLARGED FURNITURE PLAN LEVEL 2 - STEINBECK BANQUET 1

Project No.:	Sheet No.:
215004	I3.03.1A
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Agreement #: Ag-5097 - Page 362 of 529
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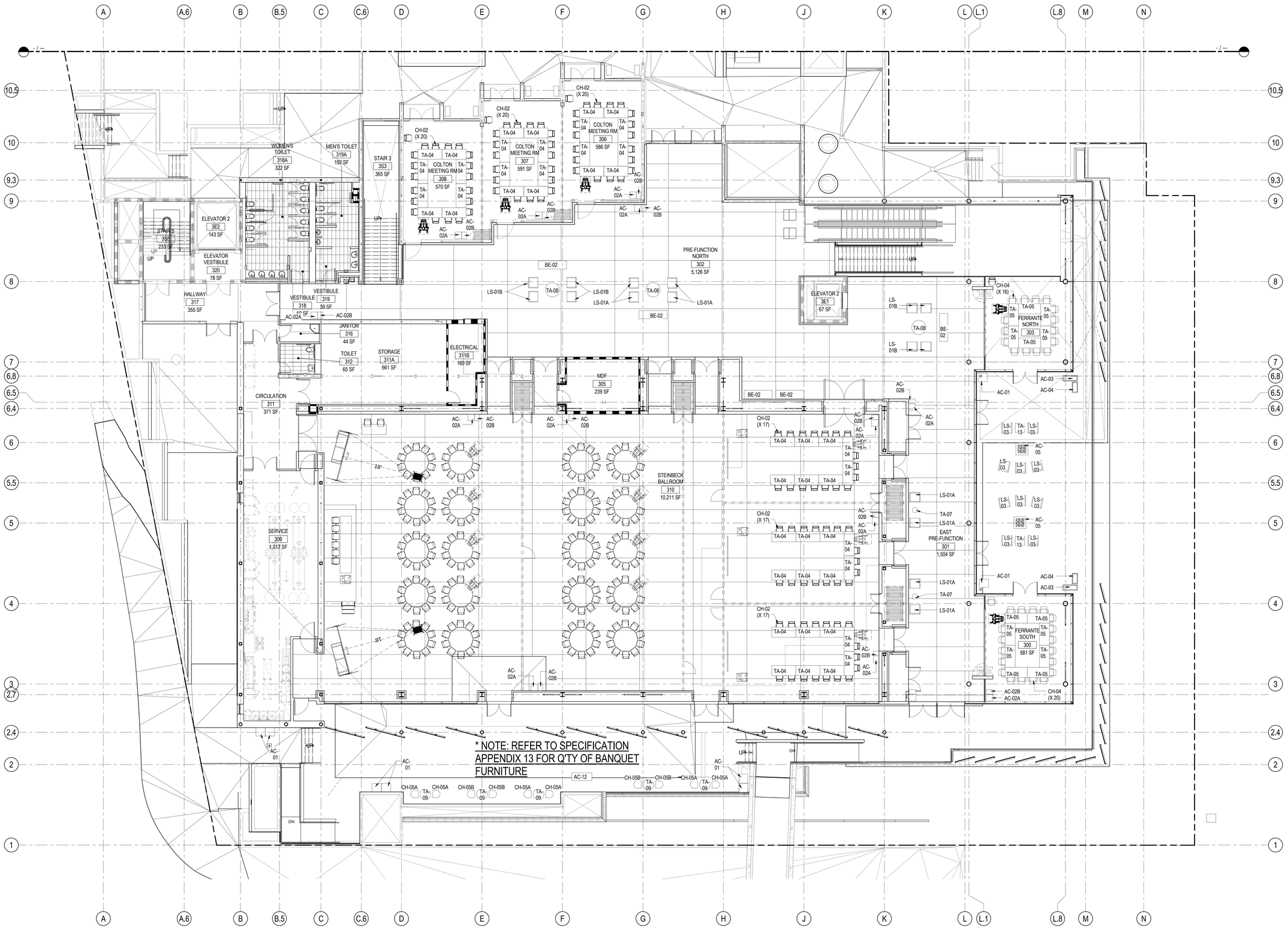

ENLARGED FURNITURE PLAN - LEVEL 2 - STEINBECK BANQUET 2
SCALE: 1/8" = 1'-0"

01

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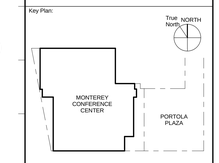
Issued For:

No.	Description:	Date:
	60% PROJECT COMPLETION	15 MAY 2015
	PERMIT SET	15 JUNE 2015

Key Plan:



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C-26963
MAY 31 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:

ENLARGED FURNITURE PLAN LEVEL 2 - STEINBECK BANQUET 2

Project No.:	Sheet No.:
215004	I3.03.1B
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Date
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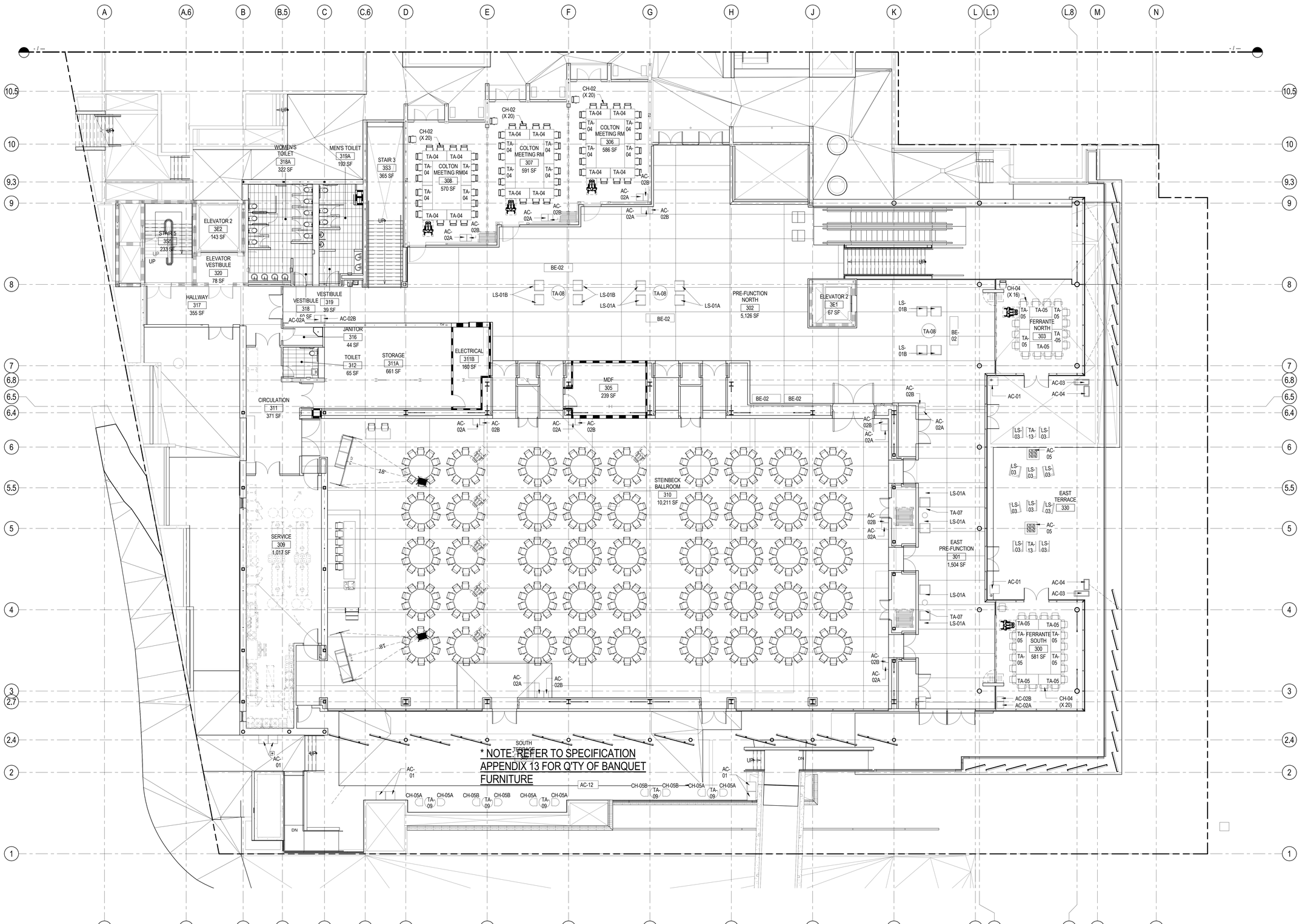

* NOTE: REFER TO SPECIFICATION APPENDIX 13 FOR Q'TY OF BANQUET FURNITURE

* NOTE: PROJECTOR AT CEILING

ENLARGED FURNITURE PLAN - LEVEL 2 - STEINBECK BANQUET 3
SCALE: 1/8" = 1'-0"

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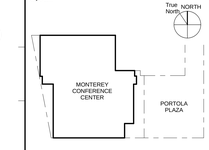
Consultants:

Issued For:

No.	Description:	Date:
	60% PROJECT COMPLETION	15 MAY 2015
	PERMIT SET	15 JUNE 2015

Key Plan:



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C-26963
MAY 31 2017
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STATE OF CALIFORNIA

Sheet Name:
ENLARGED FURNITURE PLAN LEVEL 2 - STEINBECK BANQUET 3

Project No.:	Sheet No.:
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Agreement #: Ag-5097 - Page 363 of 529
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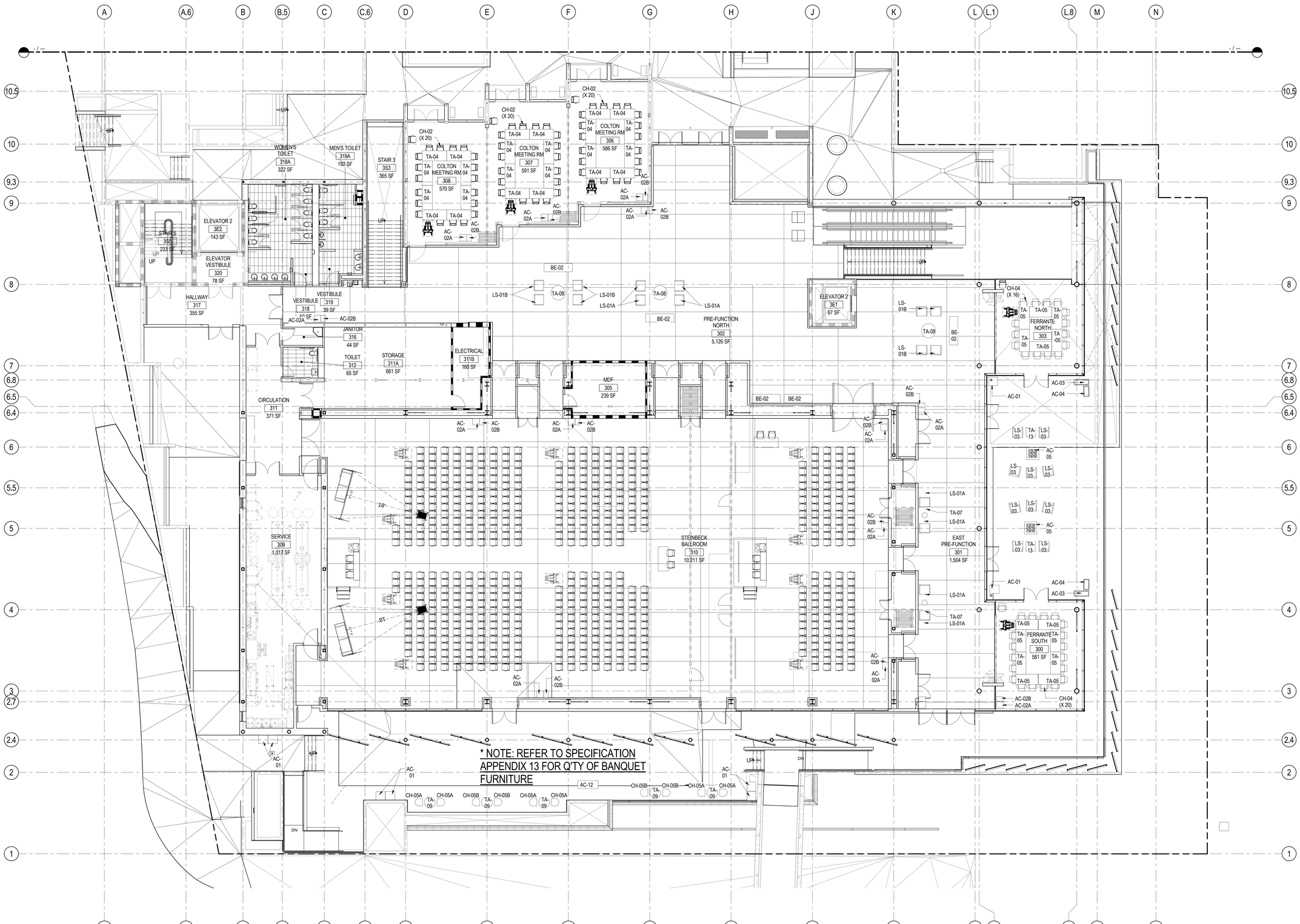
Date



ENLARGED FURNITURE PLAN - LEVEL 2 - STEINBECK THEATER 1
SCALE: 1/8" = 1'-0"

01

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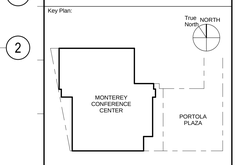
No.	Description:	Date:
	60% PROJECT COMPLETION	15 MAY 2015
	PERMIT SET	15 JUNE 2015

Key Plan:



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CLIFTON K. BOSWELL
C-26963
MAY 31 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:

ENLARGED FURNITURE PLAN LEVEL 2 - STEINBECK THEATER 1

Project No.:	Sheet No.:
215004	I3.03.1D
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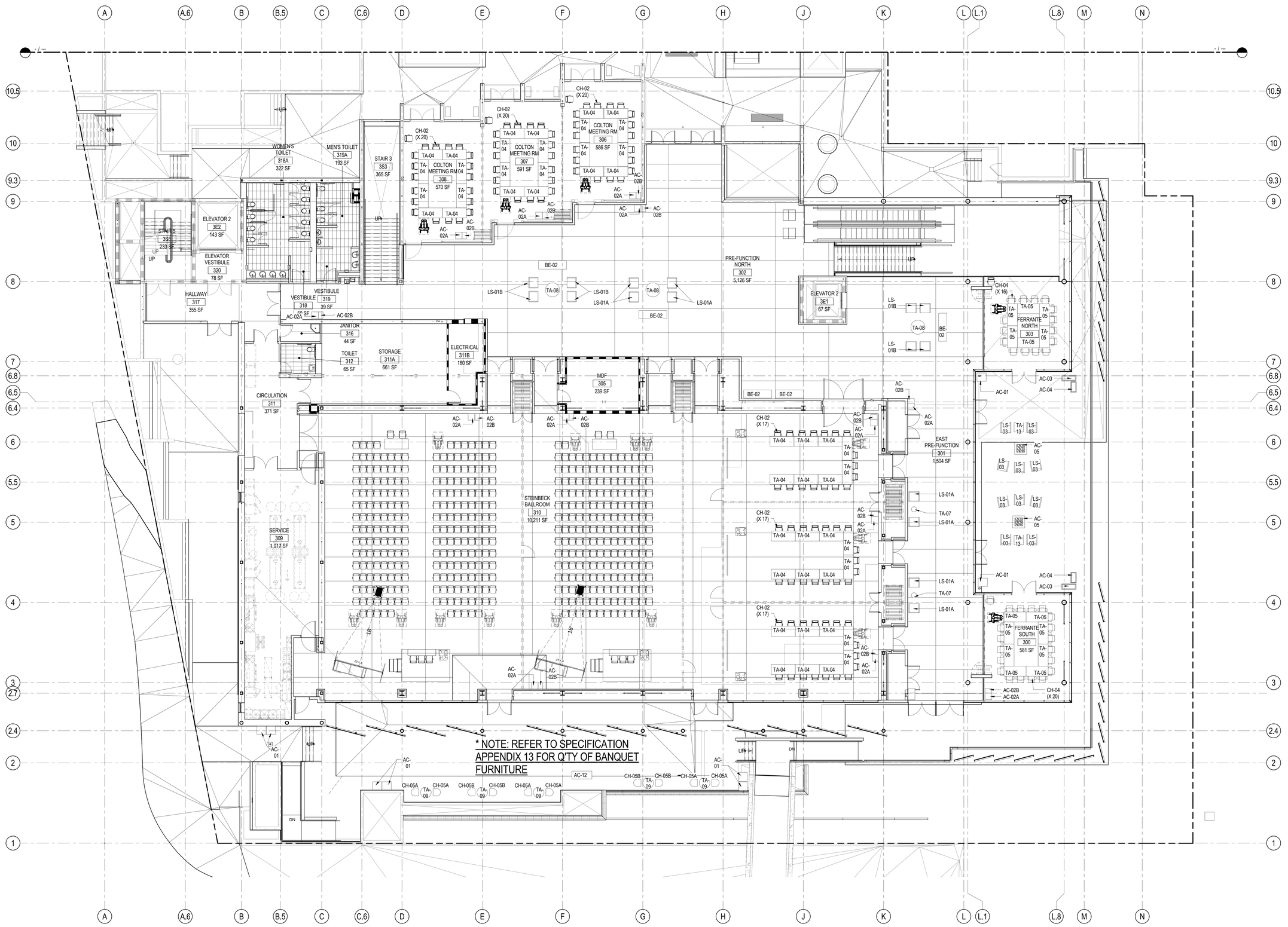

ENLARGED FURNITURE PLAN - LEVEL 2 - STEINBECK THEATER 2
SCALE: 1/8" = 1'-0"

01

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	60% PROJECT COMPLETION	15 MAY 2015
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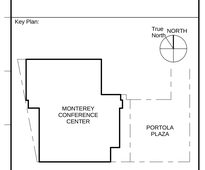
Key Plan:



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C-26963
MAY 31 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:

ENLARGED FURNITURE PLAN LEVEL 2 - STEINBECK THEATER 2

Project No.:	215004	Sheet No.:
Drawn By:	Author	I3.03.1E
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Scale:	1/8" = 1'-0"	

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Agreement #: Ag-5097 - Page 363
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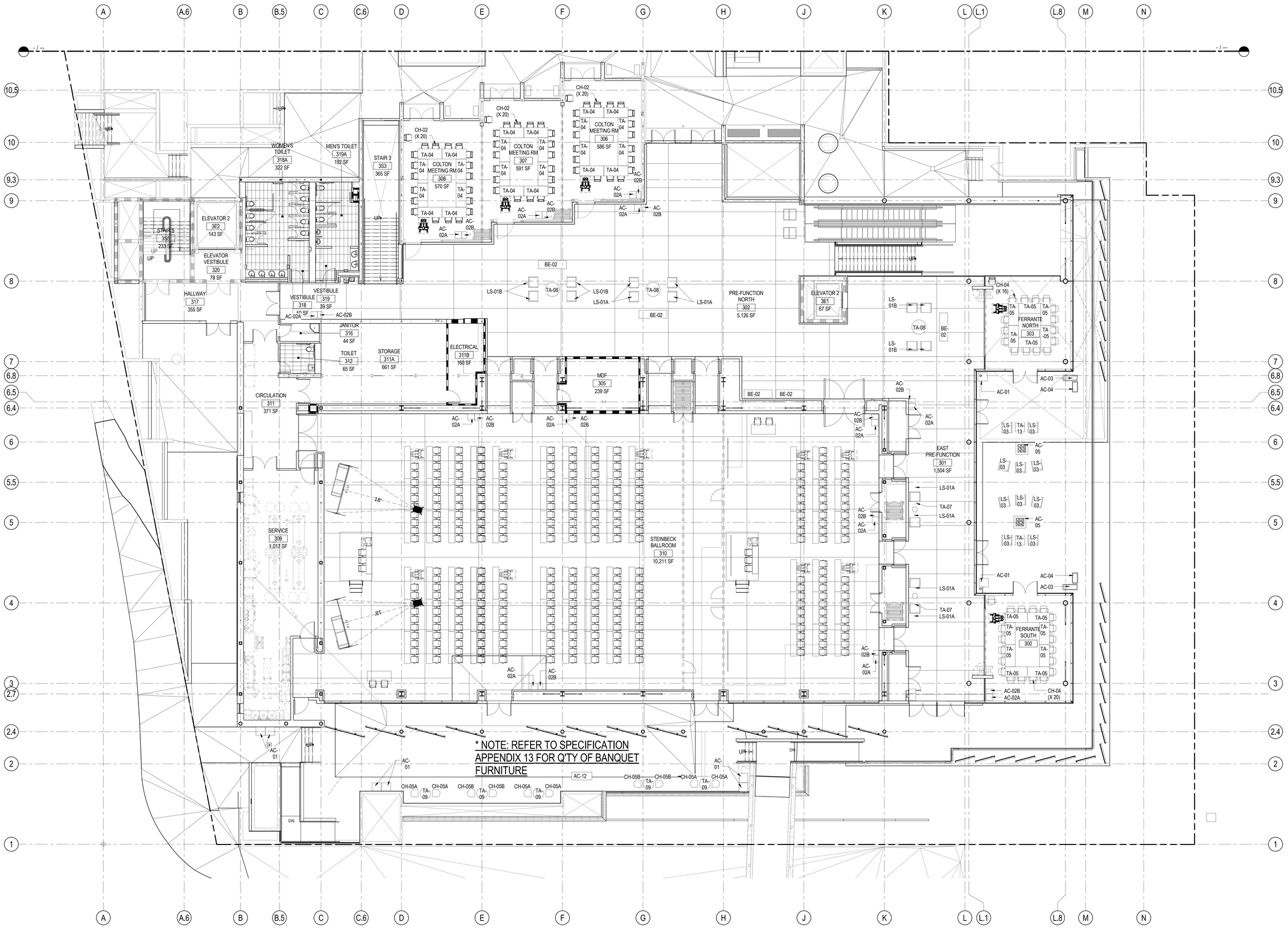

ENLARGED FURNITURE PLAN - LEVEL 2 - STEINBECK CLASSROOM 01
SCALE: 1/8" = 1'-0"

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ONE PORTOLA PLAZA

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CITY HALL
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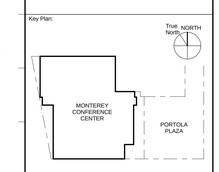
	PERMIT SET	15 JUNE 2015

Key Plan:



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CLIFTON K. BOSWELL
C-26963
MAY 31 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:
ENLARGED FURNITURE PLAN LEVEL 2 - STEINBECK CLASSROOM

Project No.: 215004
Drawn By: Author
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Scale: 1/8" = 1'-0"
Sheet No.: I3.03.1F

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By
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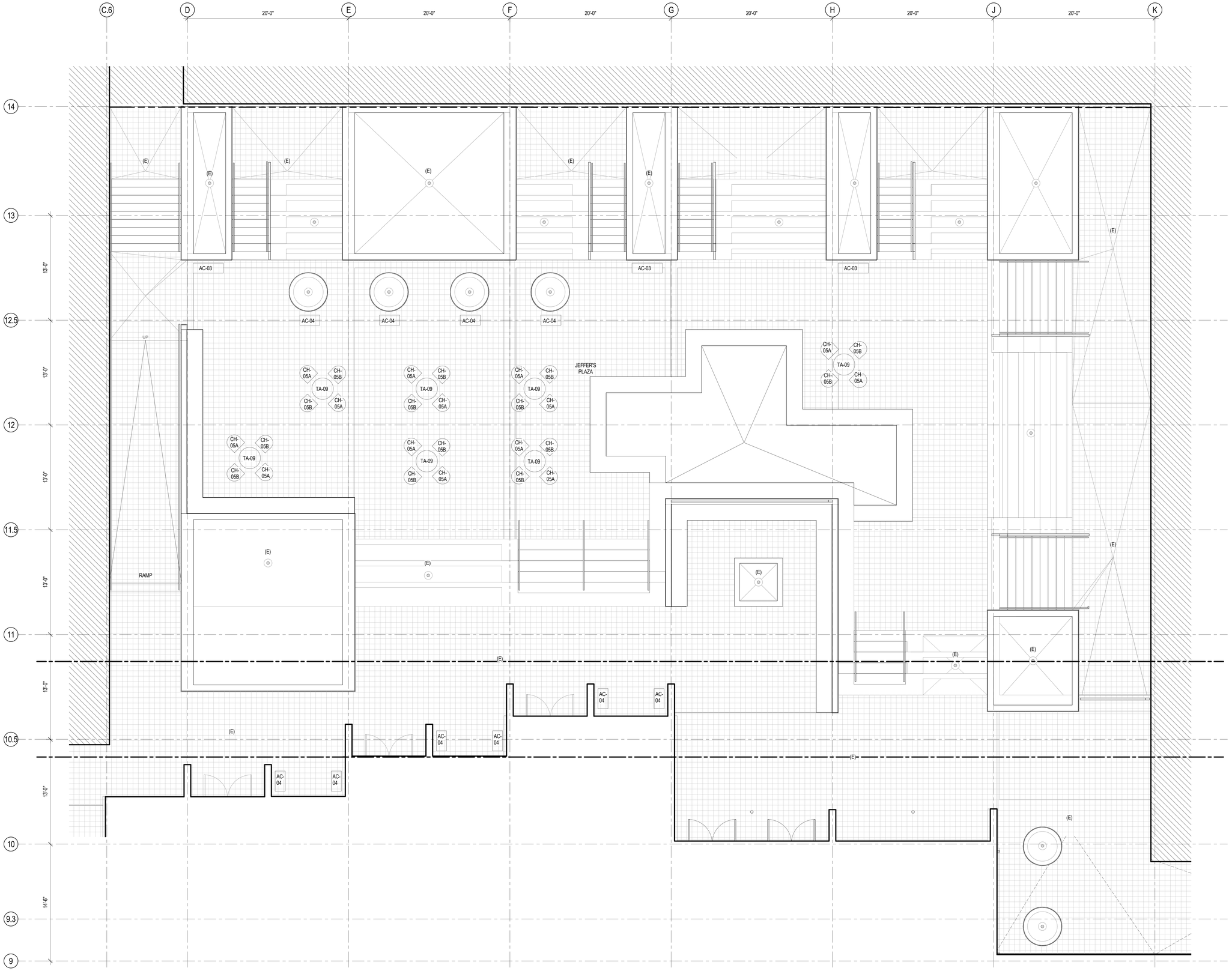

ENLARGED FURNITURE PLAN - JEFFERS PLAZA 01
SCALE: 1/4" = 1'-0"

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ONE PORTOLA PLAZA

CITY OF MONTEREY
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No.	Description:	Date:
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	PERMIT SET	15 JUNE 2015

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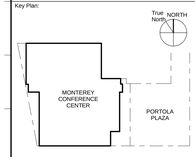

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Sheet Name:
ENLARGED FURNITURE PLAN LEVEL 2 - JEFFERS PLAZA

Project No.:	Sheet No.:
215004	I3.03.2
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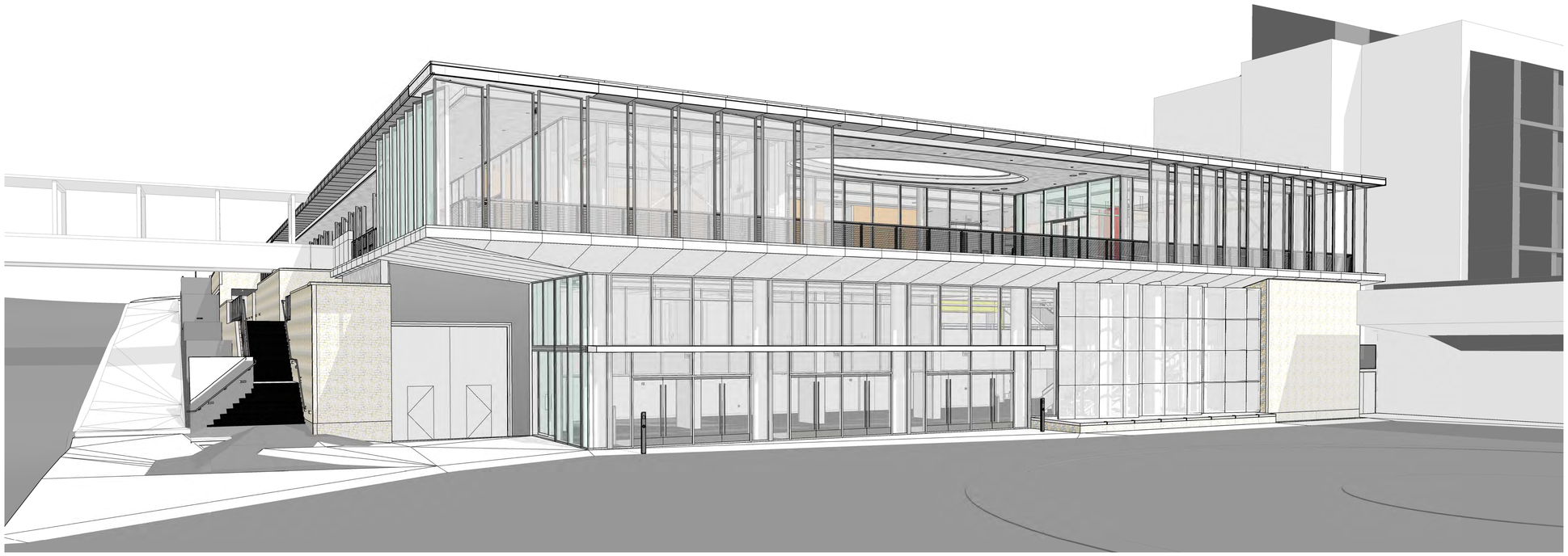
ADDENDUM 2 SEPTEMBER 18, 2015

VOLUME 1:
GENERAL / CIVIL / LANDSCAPE / ARCHITECTURAL / INTERIORS / STRUCTURAL

ASSESSOR PARCEL NUMBER: 001-576-016 1



ARCHITECT / STRUCTURAL ENGINEER / GRAPHICS:

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SAN JOSE, CA 95110
(408) 467-9141

LANDSCAPE:

GLS LANDSCAPE ARCHITECTURE
2677 MISSION STREET, NO. 200
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MEP:

WSP FLACK + KURTZ
405 HOWARD STREET, SUITE 500
SAN FRANCISCO, CA 94105
(415) 398-3833

ACOUSTIC, AV, TECH:

SHEN, MILSOM & WILKE, LLC
33 NEW MONTGOMERY STREET
SAN FRANCISCO, CA 94105
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300 BRANNAN STREET, SUITE 212
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CONVEYANCE:

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(415) 850-7507

ESTIMATING:

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475 SAMSOME STREET, SUITE 520
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Page 329

VOLUME 1												
SHEET #	SHEET NAME	PRELIMINARY DESIGN 15% PRICING ISSUE - 05 DEC 2014	ISSUED FOR PLANNING & A.R.C. REVIEW - 16 DEC 2014	30% SUBMITTAL - 20 FEB 2015	60% PROJECT COMPLETION - 15 MAY 2015	PERMIT SET - 15 JUNE 2015	90% PROJECT COMPLETION - 28 JULY 2015	PORTOLA PLAZA PERMIT SET - 03 AUG 2015	BID SET - 26 AUG 2015	ADDENDUM 1 - 11 SEPT 2015	ADDENDUM 2 - 18 SEPT 2015
GENERAL												
A0.00.V1	COVER SHEET	●	●	●	●	●	●	●	●	●	●	
A0.01.V1	DRAWING LIST	●	●	●	●	●	●	●	●	●	●	
A0.02	ABBREVIATIONS, SYMBOLS LEGEND, MATERIALS SUMMARY			●	●	●	●		●			
A0.03	BUILDING PERSPECTIVE VIEWS	●	●	●	●	●	●		●			
A0.04	BUILDING TECHNICAL INDEX				●	●	●		●			
A0.05	CITY OF MONTEREY ARC APPROVAL DOCUMENT								●			
A0.11.1	CODE DIAGRAM - LEVEL 1 - CONFIGURATION 1				●	●	●		●	●		
A0.11.2	CODE DIAGRAM - LEVEL 1 - CONFIGURATION 2				●	●	●		●	●		
A0.11.3	CODE DIAGRAM - LEVEL 1 - CONFIGURATION 3				●	●	●		●	●		
A0.12	CODE DIAGRAM - MEZZANINE LEVEL				●	●	●		●	●		
A0.13.1	CODE DIAGRAM - LEVEL 2 - CONFIGURATION 1				●	●	●		●	●		
A0.13.2	CODE DIAGRAM - LEVEL 2 - CONFIGURATION 2			●	●	●	●		●	●		
A0.13.3	CODE DIAGRAM - LEVEL 2 - CONFIGURATION 3			●	●	●	●		●	●		
CIVIL												
C1.01	DEL MONTE AVENUE / PORTOLA PLAZA CIVIL DEMOLITION PLAN						●	●	●		●	
C2.01	DEL MONTE AVENUE / PORTOLA PLAZA CIVIL IMPROVEMENT PLAN						●	●	●		●	
C2.02	PACIFIC STREET CIVIL DEMOLITION AND IMPROVEMENT PLAN								●		●	
C2.03	PORTOLA PLAZA CIVIL SITE SECTIONS										●	
C3.01	PORTOLA PLAZA CIVIL DETAILS						●	●	●		●	
C4.01	PORTOLA PLAZA STORM WATER CONTROL PLAN					●	●	●	●		●	
TR1.01	TRAFFIC SIGNAL REMOVAL PLAN										●	
TR2.01	TRAFFIC SIGNAL MODIFICATION PLAN										●	
TR2.02	CONDUCTORS AND EQUIPMENT SCHEDULE										●	
LANDSCAPE												
L0.00	LANDSCAPE GENERAL NOTES, LEGEND, INDEX AND COA										●	
L0.01	KEY PLAN				●	●	●	●	●		●	
L0.02	SOIL PREPARATION AND SUBGRADE RETAINING WALL PLAN - AREA 1						●				●	
L1.01	LAYOUT AND MATERIALS PLAN - AREA 1				●	●	●	●			●	
L1.01A	PAVING LAYOUT AREA 1										●	
L2.01	GRADING PLAN - AREA 1						●	●			●	
L4.01	LANDSCAPE DETAILS						●	●			●	
L4.02	LANDSCAPE DETAILS						●	●			●	
L5.01	PLANTING PLAN - AREA 1						●	●			●	
L5.02	PLANTING PLAN - AREA 2						●		●		●	
L5.03	PLANTING PLAN - AREA 3						●		●		●	
L5.04	PLANTING DETAILS								●			
L6.00	IRRIGATION NOTES & LEGEND - AREA 1							●	●		●	
L6.01	IRRIGATION PLAN - AREA 1						●	●			●	
L6.02	IRRIGATION PLAN - AREA 2						●		●			
L6.03	IRRIGATION PLAN - AREA 3						●		●			
L6.04	IRRIGATION DETAILS - AREA 1							●	●			
ARCHITECTURAL												
AD2.01	DEMOLITION FLOOR PLAN - LEVEL 1	●	●	●	●	●	●		●	●	●	
AD2.02	DEMOLITION PLAN - MEZZANINE LEVEL	●	●	●	●	●	●		●	●		
AD2.03	DEMOLITION PLAN - LEVEL 2	●	●	●	●	●	●		●	●		
AD2.03A	DEMOLITION PLAN - LEVEL 2 AUDITORIUM UPPER LEVEL				●	●	●		●			
AD2.04	DEMOLITION PLAN - ROOF LEVEL	●	●	●	●	●	●		●			
AD5.01	DEMOLITION BUILDING ELEVATIONS - EAST & SOUTH	●	●	●	●	●	●		●			
AD5.02	DEMOLITION BUILDING ELEVATIONS - WEST & NORTH	●	●	●	●	●	●		●			
AD5.03	DEMOLITION BUILDING SECTIONS	●	●	●	●	●	●		●			
AD7.01	DEMOLITION STAIR SECTIONS				●	●	●		●			
A1.01	SITE PLAN				●	●	●		●			
A1.02	ENLARGED SITE PLAN				●	●	●		●			
A1.03	ENLARGED SITE PLAN				●	●	●		●			
A1.04	ENLARGED SITE PLAN				●	●	●	●	●	●		
A1.05	ENLARGED SITE PLAN				●	●	●	●	●			
A1.06	ENLARGED SITE PLAN				●	●	●	●		●		
A1.10	ENLARGED BUILDING EXTERIOR ELEVATIONS & SECTIONS				●	●	●	●				
A1.11	ENLARGED BUILDING EXTERIOR ELEVATIONS & SECTIONS				●	●	●	●				
A1.12	ENLARGED BUILDING EXTERIOR ELEVATIONS & SECTIONS					●	●	●		●		
A1.13	ENLARGED BUILDING EXTERIOR ELEVATIONS & SECTIONS					●	●	●	●	●		
A1.14	ENLARGED BUILDING EXTERIOR ELEVATIONS & SECTIONS				●	●	●	●		●		
A1.20	SITE DETAILS					●	●	●				
A1.21	SITE DETAILS						●	●				
A1.22	SITE DETAILS						●	●				
A1.23	SITE DETAILS							●	●			
A2.01	FLOOR PLAN - LEVEL 1	●	●	●	●	●	●	●	●	●		
A2.01.1	ENLARGED FLOOR PLAN - LEVEL 1 - SOUTH			●	●	●	●	●	●	●		
A2.01.2	ENLARGED FLOOR PLAN - LEVEL 1 - NORTH			●	●	●	●	●	●	●		
A2.02	FLOOR PLAN - MEZZANINE LEVEL	●	●	●	●	●	●	●				
A2.02.1	ENLARGED FLOOR PLAN - MEZZANINE LEVEL - SOUTH			●	●	●	●	●				
A2.02.2	ENLARGED FLOOR PLAN - MEZZANINE LEVEL - NORTH					●	●	●				
A2.03	FLOOR PLAN - LEVEL 2	●	●	●	●	●	●	●	●			
A2.03.1	ENLARGED FLOOR PLAN - LEVEL 2 - SOUTH				●	●	●	●	●			
A2.04	FLOOR PLAN - ROOF LEVEL	●	●	●	●	●	●	●	●			
A2.04.1	ENLARGED FLOOR PLAN - ROOF LEVEL - SOUTH			●	●	●	●	●	●			
A3.01	ENLARGED STAIR PLANS				●	●	●	●				
A3.02	ENLARGED STAIR PLANS				●	●	●	●				
A3.03	ENLARGED TOILET ROOM FLOOR PLANS				●	●	●	●	●			
A4.01	REFLECTED CEILING PLAN - LEVEL 1			●	●	●	●	●	●	●		
A4.01.1	ENLARGED REFLECTED CEILING PLAN - LEVEL 1 - SOUTH			●	●	●	●	●		●		
A4.01.2	ENLARGED REFLECTED CEILING PLAN - LEVEL 1 - NORTH			●	●	●	●	●	●	●		
A4.02	REFLECTED CEILING PLAN - MEZZANINE LEVEL			●	●	●	●	●		●		
A4.02.1	ENLARGED REFLECTED CEILING PLAN - MEZZANINE LEVEL - SOUTH			●	●	●	●	●		●		
A4.02.2	ENLARGED REFLECTED CEILING PLAN - MEZZANINE LEVEL - NORTH			●	●	●	●	●		●		
A4.03	REFLECTED CEILING PLAN - LEVEL 2			●	●	●	●	●		●		
A4.03.1	ENLARGED REFLECTED CEILING PLAN - LEVEL 2 - SOUTH			●	●	●	●	●		●		
A5.01	BUILDING EXTERIOR ELEVATIONS - EAST & SOUTH			●	●	●	●	●	●			
A5.01.1	BUILDING EXTERIOR WINDOW WALL ELEVATIONS - EAST & SOUTH			●	●	●	●	●	●			
A5.02	BUILDING EXTERIOR ELEVATIONS - WEST & NORTH	●	●	●	●	●	●	●	●			
A5.03	BUILDING SECTIONS	●	●	●	●	●	●	●	●			
A5.04	BUILDING SECTIONS			●	●	●	●	●	●			
A5.10	ENLARGED BUILDING EXTERIOR ELEVATIONS & SECTIONS				●	●	●	●	●	●		
A5.11	ENLARGED BUILDING EXTERIOR ELEVATIONS & SECTIONS						●	●		●		
A5.12	ENLARGED BUILDING EXTERIOR ELEVATIONS & SECTIONS				●	●	●	●	●			
A5.13	ENLARGED BUILDING EXTERIOR ELEVATIONS & SECTIONS				●	●	●	●		●		
A5.14	ENLARGED BUILDING EXTERIOR ELEVATIONS & SECTIONS				●	●	●	●		●		
A5.15	ENLARGED BUILDING EXTERIOR ELEVATIONS & SECTIONS				●	●	●	●				
A5.31	ENLARGED BUILDING EXTERIOR ELEVATIONS & SECTIONS				●	●	●	●				
A6.00	INTERIOR ELEVATIONS					●	●	●				
A6.01	INTERIOR ELEVATIONS				●	●	●	●	●			
A6.02	INTERIOR ELEVATIONS				●	●	●	●				
A6.03	INTERIOR ELEVATIONS				●	●	●	●				
A6.04	INTERIOR ELEVATIONS				●	●	●	●	●	●		
A6.05	INTERIOR ELEVATIONS					●	●	●	●	●		
A6.06	INTERIOR ELEVATIONS					●	●	●				
A6.07	TOILET ROOM INTERIOR ELEVATIONS					●	●	●				
A6.08	TOILET ROOM INTERIOR ELEVATIONS					●	●	●				
A6.09	TOILET ROOM INTERIOR ELEVATIONS							●	●			
A7.01	STAIR/ESCALATOR SECTIONS & ELEVATIONS					●	●	●				
A7.02	STAIR SECTIONS & ELEVATIONS						●	●				
A7.03	STAIR SECTIONS & ELEVATIONS							●				
A7.04	STAIR 1 DETAILS					●	●	●				
A7.05	STAIR 2 DETAILS					●	●	●				
A7.06	STAIR 5 DETAILS					●	●	●				
A7.07	STAIR 1, 3 & 14 DETAILS					●	●	●				
A7.08	STAIR 6, 11 & 12 DETAILS					●	●	●				
A7.11	ESCALATOR DETAILS					●	●	●				
A7.12	ELEVATOR 1 PLAN, RCP, ELEVATIONS & DETAILS					●	●	●				
A7.13	ELEVATOR 1 DETAILS					●	●	●				
A7.15	PEDESTAL ELEVATIONS & DETAILS								●			

VOLUME 1												
SHEET #	SHEET NAME	PRELIMINARY DESIGN 15% PRICING ISSUE - 05 DEC 2014	ISSUED FOR PLANNING & A.R.C. REVIEW - 16 DEC 2014	30% SUBMITTAL - 20 FEB 2015	60% PROJECT COMPLETION - 15 MAY 2015	PERMIT SET - 15 JUNE 2015	90% PROJECT COMPLETION - 28 JULY 2015	PORTOLA PLAZA PERMIT SET - 03 AUG 2015	BID SET - 26 AUG 2015	ADDENDUM 1 - 11 SEPT 2015	ADDENDUM 2 - 18 SEPT 2015	
A8.01	EXTERIOR DETAILS				●	●	●		●	●		
A8.02	EXTERIOR DETAILS								●			
A8.03	EXTERIOR DETAILS					●	●		●		●	
A8.04	EXTERIOR DETAILS						●		●			
A8.05	EXTERIOR DETAILS						●		●			
A8.06	EXTERIOR DETAILS								●			
A8.07	EXTERIOR DETAILS								●			
A8.11	EXTERIOR DETAILS - SP-1						●		●			
A8.12	EXTERIOR DETAILS - SP-2 & SP-3						●		●			
A8.20	EXTERIOR DETAILS - GUARDRAIL						●		●			
A8.21	EXTERIOR DETAILS - GUARDRAIL								●		●	
A8.31	EXTERIOR DETAILS - ROOF & SOFFIT								●			
A8.32	EXTERIOR DETAILS - ROOF & SOFFIT					●	●		●			
A8.33	EXTERIOR DETAILS - ROOF & SOFFIT					●	●		●			
A8.34	EXTERIOR DETAILS - SKYLIGHTS					●			●			
A8.35	EXTERIOR DETAILS - ROOF						●		●			
A8.36	EXTERIOR DETAILS - ROOF						●		●			
A8.37	EXTERIOR DETAILS - ROOF								●			
A9.01	PARTITION TYPES				●	●	●		●			
A9.01.1	PARTITION TYPE DETAILS - TYP			●	●	●	●		●			
A9.01.2	PARTITION TYPE DETAILS - TYP			●	●	●	●		●			
A9.01.3	PARTITION TYPE DETAILS - TYP				●	●	●		●			
A9.02	ROOM & FINISH SCHEDULE			●	●	●	●		●	●		
A9.03	DOOR SCHEDULE			●	●	●	●		●	●	●	
A9.04	DOOR JAMB & SILL DETAILS				●	●	●		●	●		
A9.05	TYPICAL CEILING DETAILS				●	●	●		●		●	
A9.06	CEILING DETAILS								●			
A9.07	CEILING DETAILS - STEINBECK BALLROOM				●	●	●		●		●	
A9.08	CEILING DETAILS - STEINBECK BALLROOM						●		●			
A9.09	TOILET ROOM DETAILS						●		●			
A9.11	MAIN LOBBY - ELEVATIONS, SECTIONS AND DETAILS						●		●			
A9.12	WOOD PANELING AND STEINBECK BALLROOM ENTRANCE DETAILS						●		●			
A9.13	GLASS OPERABLE PARTITION AND BLIND DOOR DETAILS						●		●			
A9.14	VERTICAL BI-FOLD DOOR IN SERRA BALLROOM						●		●			
A9.15	INTERIOR DETAILS						●		●			
A9.16	INTERIOR DETAILS				●	●			●			
A9.20	CASEWORK DETAILS						●		●			
A10.01	BIRD CONTROL DIAGRAM								●			
INTERIORS												
I3.01.1A	ENLARGED FURNITURE PLAN LEVEL 1 - SERRA BANQUET				●	●						
I3.01.1B	ENLARGED FURNITURE PLAN LEVEL 1 - SERRA THEATER 1				●	●						
I3.01.1C	ENLARGED FURNITURE PLAN LEVEL 1 - SERRA THEATER 2				●	●						
I3.01.1D	ENLARGED FURNITURE PLAN LEVEL 1 - SERRA CLASSROOM				●	●						
I3.01.2	ENLARGED FURNITURE LAYOUT PLAN - LEVEL 1 NORTH									●		
I3.02.1	ENLARGED FURNITURE PLAN - MEZZANINE SOUTH					●	●		●			
I3.03.1A	ENLARGED FURNITURE PLAN LEVEL 2 - STEINBECK BANQUET 1				●	●						
I3.03.1B	ENLARGED FURNITURE PLAN LEVEL 2 - STEINBECK BANQUET 2				●	●						
I3.03.1C	ENLARGED FURNITURE PLAN LEVEL 2 - STEINBECK BANQUET 3				●	●						
I3.03.1D	ENLARGED FURNITURE PLAN LEVEL 2 - STEINBECK THEATER 1				●	●						
I3.03.1E	ENLARGED FURNITURE PLAN LEVEL 2 - STEINBECK THEATER 2				●	●						
I3.03.1F	ENLARGED FURNITURE PLAN LEVEL 2 - STEINBECK CLASSROOM				●	●						
I3.03.2	ENLARGED FURNITURE PLAN LEVEL 2 - JEFFERS PLAZA				●	●						
STRUCTURAL												
S0.00	DRAWING LIST, LEGEND AND ABBREVIATIONS	●		●	●	●	●		●		●	
S0.11	GENERAL NOTES I				●	●	●		●		●	
S0.12	GENERAL NOTES II				●	●	●		●		●	
SD2.01	DEMOLITION PLAN - LEVEL 01	●		●	●	●	●		●		●	
SD2.02	DEMOLITION PLAN - MEZZANINE LEVEL	●		●	●	●	●		●		●	
SD2.03	DEMOLITION PLAN - LEVEL 02	●		●	●	●	●		●		●	
SD2.05	DEMOLITION PLAN - ROOF LEVEL	●		●	●	●	●		●			
SD2.05A	DEMOLITION PLAN - ROOF LEVEL (ALTERNATE)	●		●								
SD3.00	BUILDING DEMOLITION SECTIONS I				●	●	●		●			
SD3.10	BUILDING DEMOLITION SECTIONS II						●		●			
SD3.21	WALL DEMOLITION SECTIONS								●			
S2.L1	LOADING DIAGRAMS I					●	●		●			
S2.L2	LOADING DIAGRAMS II					●	●		●			
S2.01	ALTERATION PLAN - LEVEL 01	●		●	●	●	●		●		●	
S2.01.1	ENLARGED ALTERATION PLAN - LEVEL 01 - SOUTH					●	●		●		●	
S2.01.2	ENLARGED ALTERATION PLAN - LEVEL 01 - NORTH					●	●		●		●	
S2.02	ALTERATION PLAN - MEZZANINE LEVEL	●		●	●	●	●		●		●	
S2.02.1	ENLARGED ALTERATION PLAN - MEZZANINE LEVEL - SOUTH					●	●		●		●	
S2.02.2	ENLARGED ALTERATION PLAN - MEZZANINE LEVEL - NORTH					●	●		●			
S2.03	ALTERATION PLAN - LEVEL 02	●		●	●	●	●		●		●	
S2.03.1	ENLARGED ALTERATION PLAN - LEVEL 02 - SOUTH					●	●		●		●	
S2.03.2	ENLARGED ALTERATION PT PLAN - LEVEL 02 - SOUTH					●	●		●		●	
S2.03.3	ENLARGED ALTERATION PLAN - LEVEL 02 - NORTH					●	●		●			
S2.05	ALTERATION PLAN - ROOF LEVEL	●		●	●	●	●		●		●	
S2.05.1	ENLARGED ALTERATION PLAN - ROOF LEVEL					●	●		●		●	
S3.00	BUILDING ALTERATION SECTIONS				●	●	●		●			
S3.11	BRACE ALTERATION ELEVATIONS AND DETAILS I				●	●	●		●		●	
S3.12	BRACE ALTERATION ELEVATIONS AND DETAILS II				●	●			●		●	
S3.21	SHEAR WALL ALTERATION ELEVATIONS AND DETAILS I				●	●	●		●		●	
S3.30	BEAM ALTERATION ELEVATIONS AND DETAILS I				●	●	●		●			
S3.31	BEAM ALTERATION ELEVATIONS AND DETAILS II				●	●	●		●			
S3.32	BEAM ALTERATION ELEVATIONS AND DETAILS III				●	●	●		●			
S3.33	BEAM ALTERATION ELEVATIONS AND DETAILS IV				●	●	●		●			
S3.34	BEAM ALTERATION ELEVATIONS AND DETAILS V				●	●	●		●			
S3.40	STAIR ALTERATION PLANS AND SECTIONS I				●	●	●		●		●	
S3.41	STAIR ALTERATION PLANS AND SECTIONS II				●	●	●		●		●	
S3.50	CANTILEVER BEAM SECTIONS I					●	●		●			
S3.51	CANTILEVER BEAM SECTIONS II					●	●		●			
S4.01	TYPICAL FOUNDATION DETAILS					●	●		●		●	
S4.02	CAISSON CAP AND CAISSON DETAIL					●	●		●			
S5.01	TYPICAL STEEL DETAILS I				●	●	●		●			
S5.02	TYPICAL STEEL DETAILS II				●	●	●		●		●	
S5.03	TYPICAL STEEL DETAILS III				●	●	●		●		●	
S5.04	TYPICAL METAL DECK DETAILS				●	●	●		●			
S5.05	TYPICAL STEEL BRACE FRAME SECTIONS AND DETAILS				●	●	●		●		●	
S5.06	TYPICAL STEEL BRACE FRAME SECTIONS AND DETAILS						●		●		●	
S5.11	TYPICAL REINFORCED CONCRETE DETAILS I				●	●	●		●			
S5.12	TYPICAL REINFORCED CONCRETE DETAILS II				●	●	●		●			
S5.13	TYPICAL REINFORCED CONCRETE DETAILS III				●	●	●		●			
S5.14	TYPICAL REINFORCED CONCRETE SHEAR WALL SCHEDULES AND DETAILS				●	●	●		●			
S5.15	TYPICAL CONCRETE SHOTCRETE WALL SECTIONS AND DETAILS				●	●	●		●			
S5.16	TYPICAL REINFORCED CONCRETE GRAVITY COLUMN SCHEDULE AND DETAILS				●	●	●		●			
S5.17	TYPICAL REINFORCED CONCRETE GRAVITY BEAM SCHEDULE AND DETAILS				●	●	●		●			
S5.18	TYPICAL REINFORCED CONCRETE SLAB DETAILS				●	●	●		●			
S5.19	POST-TENSIONED CONCRETE SLAB DETAILS				●	●	●		●			
S5.20	TYPICAL POST-TENSIONED CONCRETE BEAM SCHEDULES AND DETAILS				●	●	●		●			
S5.30	TYPICAL GLULAM DETAILS					●	●		●			
S6.00	RETROFIT SECTIONS AND DETAILS I					●	●		●		●	
S6.01	RETROFIT SECTIONS AND DETAILS II								●		●	
S6.02	RETROFIT SECTIONS AND DETAILS III								●		●	

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL

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Issued For:

No.	Description:	Date:
	PRELIMINARY DESIGN 15% PRICING ISSUE	05 DEC 2014
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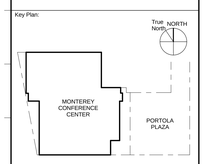
	30% SUBMITTAL	20 FEB 2015
	60% PROJECT COMPLETION	15 MAY 2015
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	PORTOLA PLAZA PERMIT SET	03 AUG 2015
	BID SET	26 AUG 2015
1	ADDENDUM 1	11 SEPT 2015
2	ADDENDUM 2	18 SEPT 2015

Key Plan:



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CLIFTON K. BOSWELL
C-26963
MAY 31 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:

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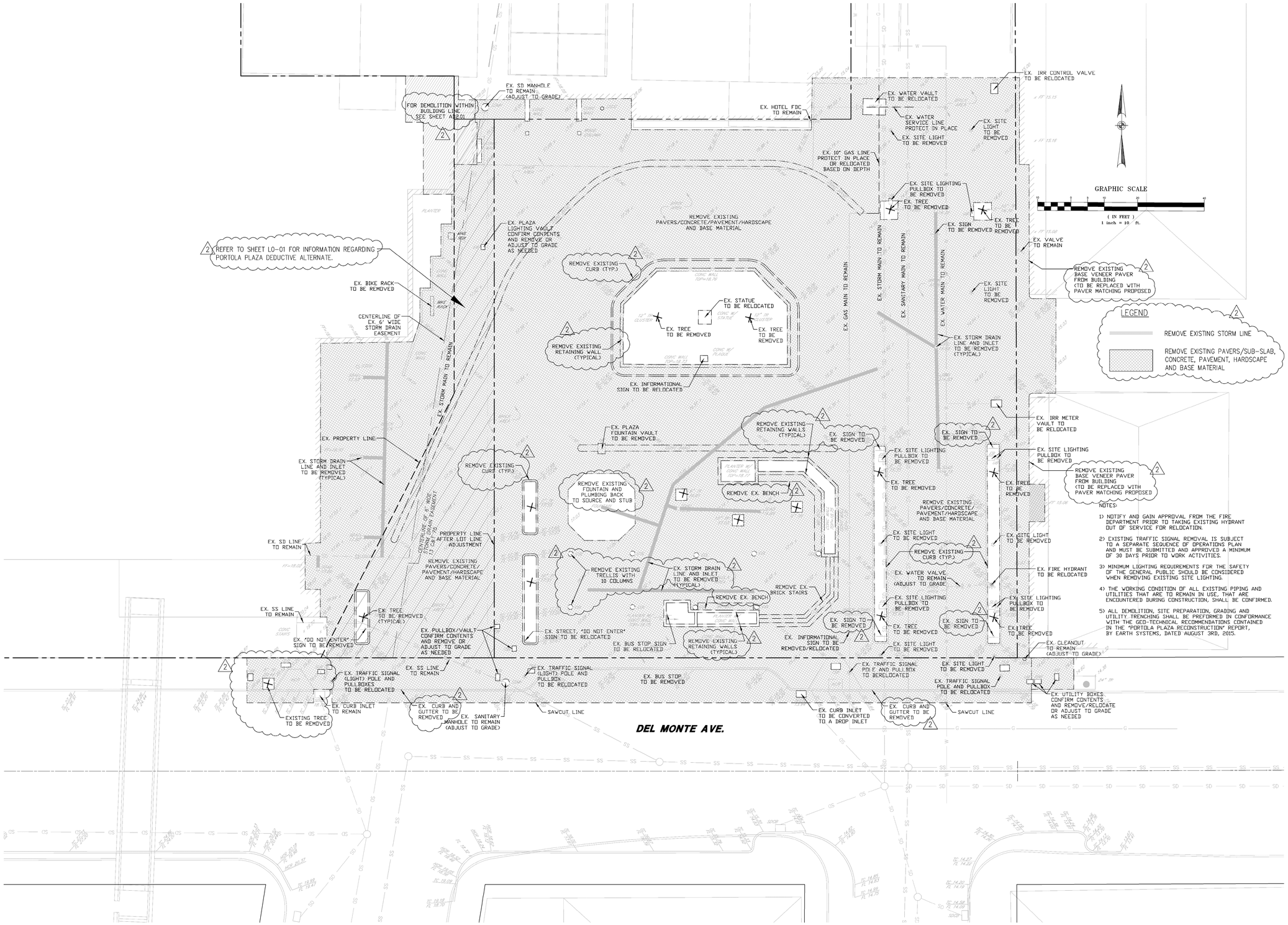

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	PERMIT SET	15 JUNE 2015
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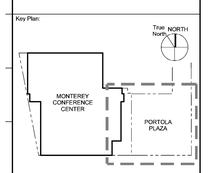

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Sheet Name:
DEL MONTE AVENUE/
PORTOLA PLAZA
CIVIL
DEMOLITION PLAN

Project No.:	Sheet No.:
215004	C1.01
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Scale: 1" = 10'	

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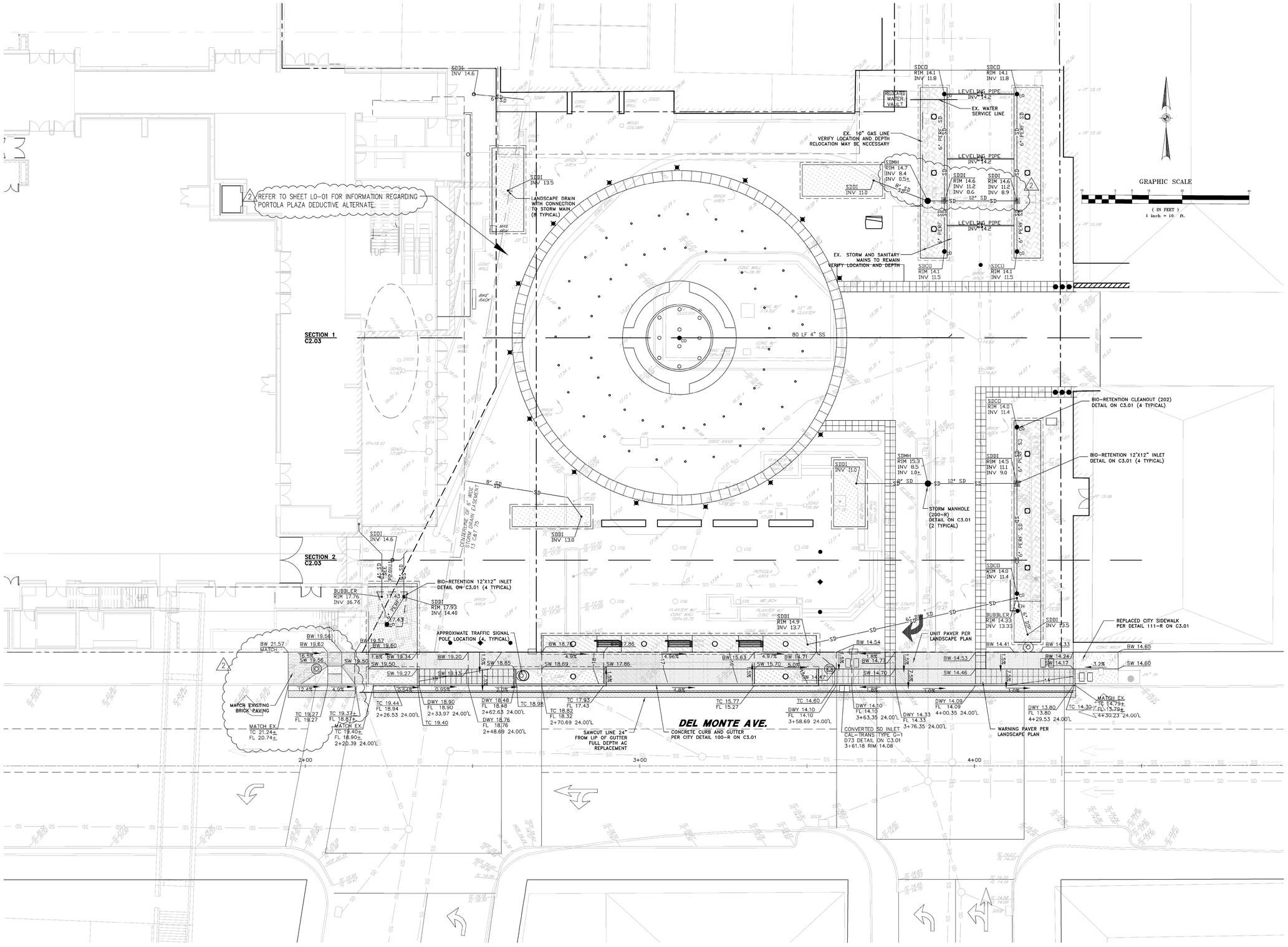

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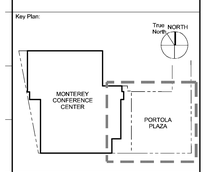
2	ADDENDUM 2	18 SEPT 2015

Key Plan:


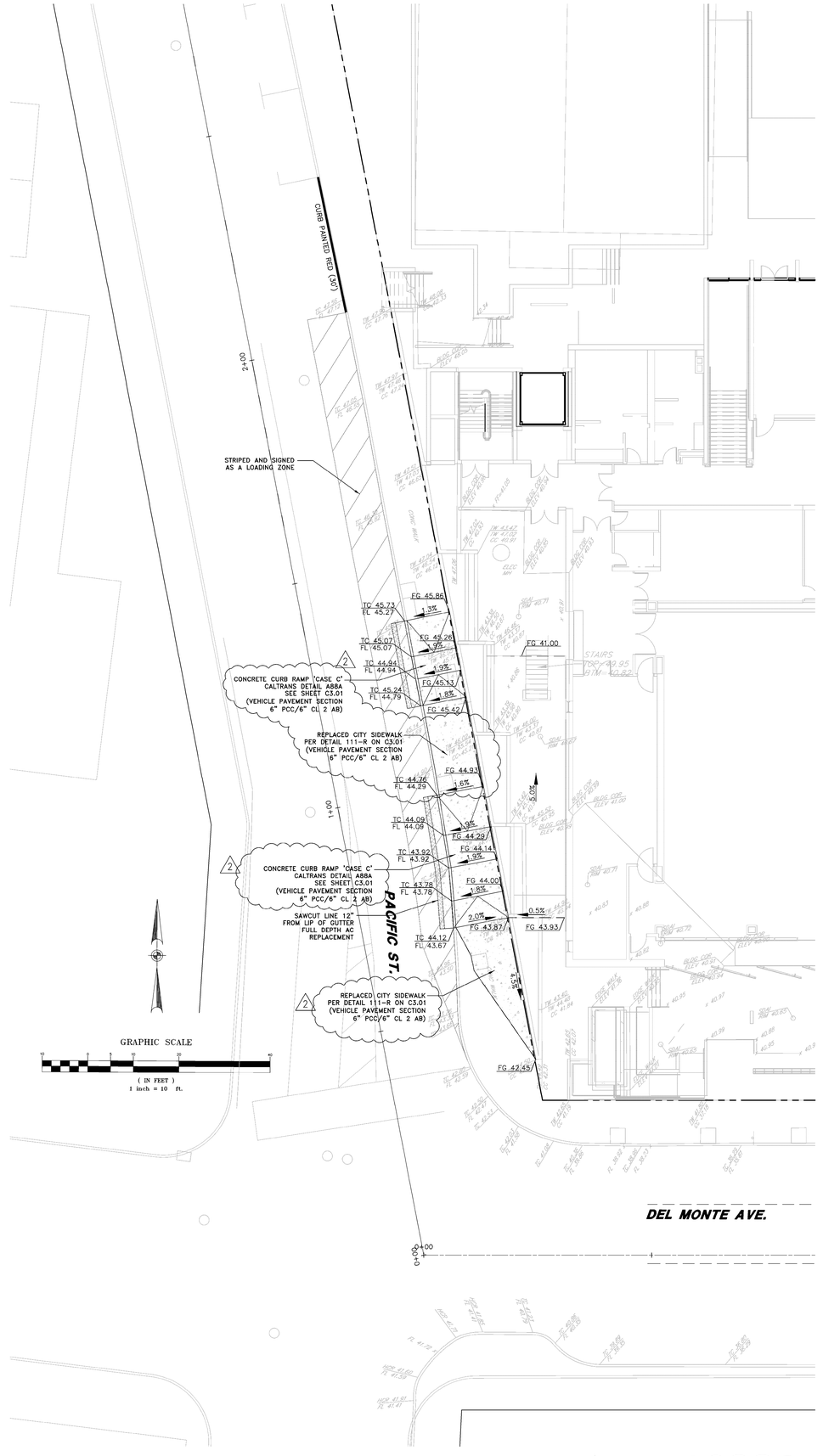
Seal & Signature:

Sheet Name:
DEL MONTE AVENUE/
PORTOLA PLAZA
CIVIL
IMPROVEMENT PLAN

Project No.:	Sheet No.:
215004	C2.01
Drawn By: MWB	
Checked By:	
Scale: 1" = 10'	

File Name: PP2.01 GRAD.dwg Plotted By: uzeg 09/21/2015 [Mon 5:12pm]

Approved as to Form
CAO RISK



2 NOTE:

CONTRACTOR SHALL PROVIDE EROSION CONTROL PLAN AND SHALL MAINTAIN IT THROUGHOUT CONSTRUCTION.

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL
580 PACIFIC STREET, MONTEREY, CA 93940
TEL: (831) 646-5601

Architect:

SOM
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

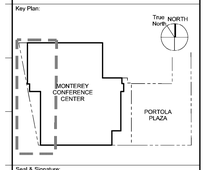
Consultants:

BKF
ENGINEERS | SURVEYORS | PLANNERS
1650 TECHNOLOGY DRIVE
SUITE 650
SAN JOSE, CA 95110
408-467-9100

Issued For:

No.	Description:	Date:
	PERMIT SET	15 JUNE 2015
	50% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015
2	ADDENDUM 2	18 SEPT 2015

Key Plan:



Seal & Signature:

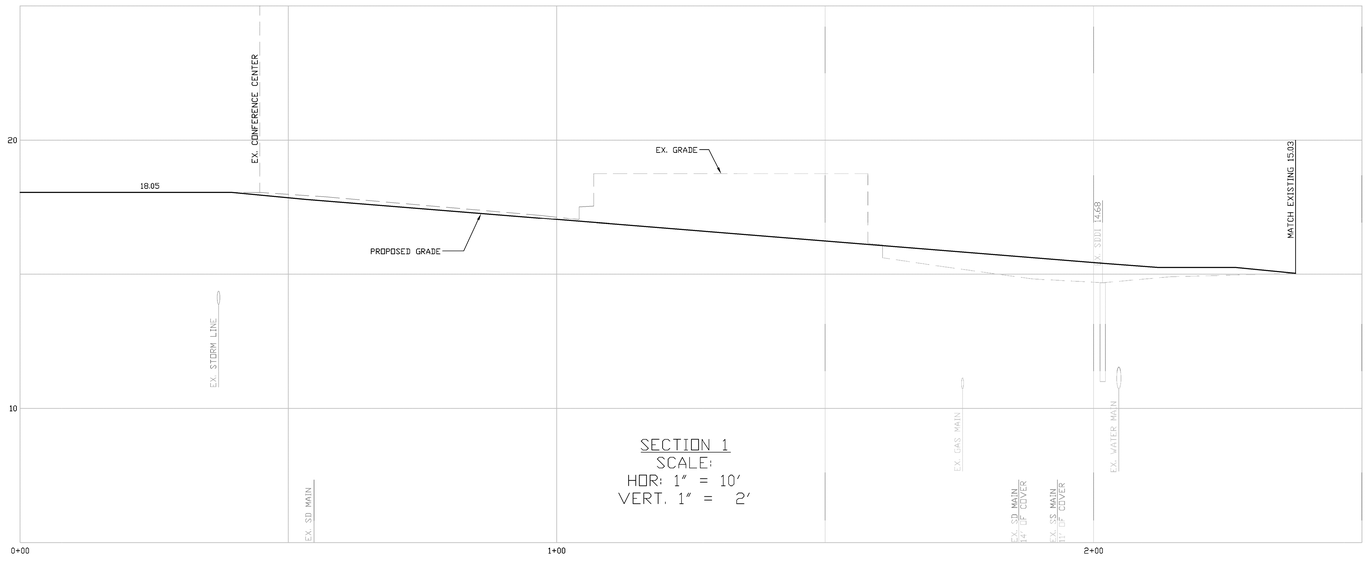
Sheet Name:

PACIFIC STREET
CIVIL
DEMOLITION AND
IMPROVEMENT PLAN

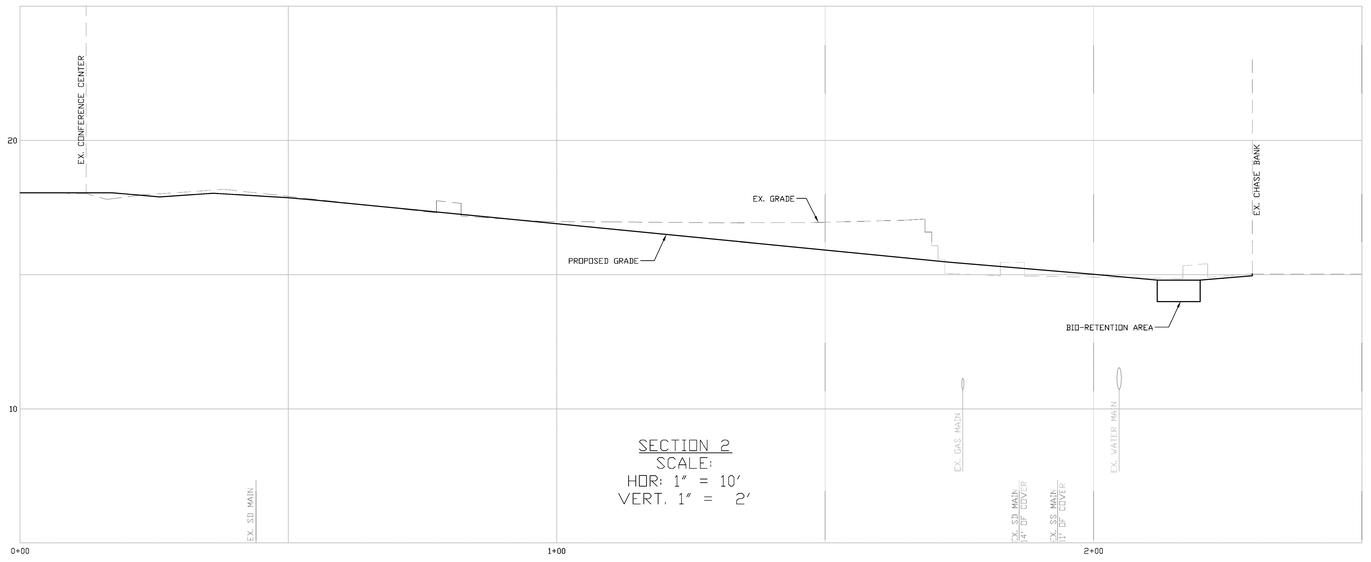
Project No.:	Sheet No.:
215004	C2.02
Drawn By: MWB	
Checked By:	
Scale: 1" = 10'	

Approved as to Form CAO RDM

File Name: PP2.01 GRAD.dwg Plotted By: uzeg 09/21/2015 [Mon 5:13pm]



SECTION 1
SCALE:
HOR: 1" = 10'
VERT. 1" = 2'



SECTION 2
SCALE:
HOR: 1" = 10'
VERT. 1" = 2'

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL
580 PACIFIC STREET, MONTEREY, CA 93940
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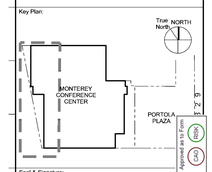
ENGINEERS | SURVEYORS | PLANNERS
1650 TECHNOLOGY DRIVE
SUITE 650
SAN JOSE, CA 95110
408-467-9100

Issued For:

No.	Description:	Date:
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	26 JULY 2015
	BID SET	26 AUG 2015
2	ADDENDUM 2	18 SEPT 2015

Key Plan:



Approved as to Form
City Attorney
Date

Seal & Signature:

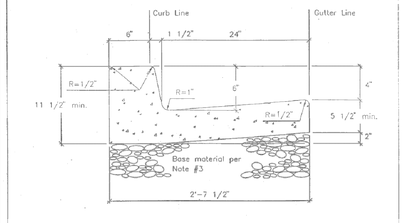
Sheet Name:

PORTOLA PLAZA
CIVIL SITE SECTIONS

Project No.:	Sheet No.:
215004	C2.03
Drawn By: MWB	
Checked By:	
Scale: 1" = 10'	

Agreement # A-5097 - Page 364

File Name: PP2.01 GRAD.dwg Plotted By: tur 09/17/2015 [Thu, 3:52pm]

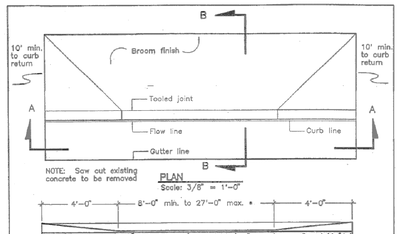


NOTES

1. All work shall be done in accordance with Section 73 of the Standard Specifications of the State of California, Department of Transportation, July 1992, or later edition.
2. Top and front of curbs and gutters to be fine brush finish after trowelling; brushing to be parallel to the line of the curb.
3. Place base material under curb and gutter as required by the City Engineer.
4. Concrete to be Class B (5 sack).
5. State of California, Dept. of Transportation, Detail A2-6, July 1992, may be used in lieu of this detail.

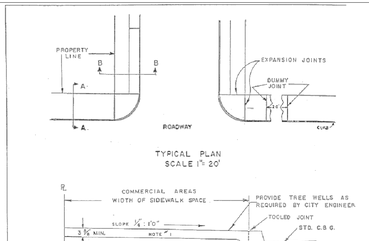
DEPARTMENT OF PUBLIC WORKS — CITY OF MONTEREY
ENGINEERING DIVISION
STANDARD DETAILS FOR STREET IMPROVEMENTS

DESIGNED BY:	TITLE: STANDARD CURB & GUTTER SECTION	
DRAWN BY:	APPROVED	DETAIL No.
CHECKED BY:	CITY ENGINEER _____ DATE	100 R



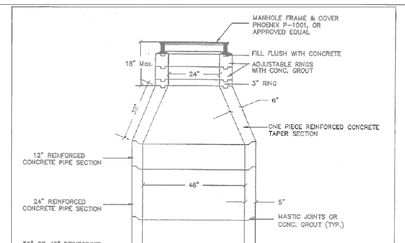
DEPARTMENT OF PUBLIC WORKS — CITY OF MONTEREY
ENGINEERING DIVISION
STANDARD DETAILS FOR STREET IMPROVEMENTS

DESIGNED BY: LAL	TITLE: COMMERCIAL SIDEWALK CROSSING	
DRAWN BY: LAL	APPROVED: Thomas Reeves 10/15/92 CITY ENGINEER DATE	DETAIL No. 107R
CHECKED BY: JK		



DEPARTMENT OF PUBLIC WORKS — CITY OF MONTEREY
ENGINEERING DIVISION
STANDARD DETAILS FOR STREET IMPROVEMENTS

DESIGNED BY: R.H.R.	TITLE: SIDEWALK	SHEET 1 of 1
DRAWN BY: R.H.R.	APPROVED: [signature] 7-15-70 PUBLIC WORKS DIRECTOR DATE	DETAIL No. 111-R
CHECKED BY:		

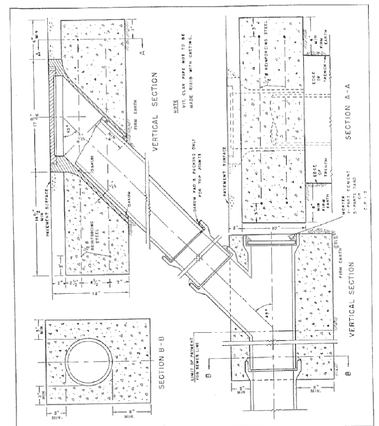


NOTES:
1. Construction shall be per Section 70-1.02 "PRECAST CONCRETE STRUCTURES" and Section 90 "PORTLAND CEMENT CONCRETE" of CALTRANS Standard Specifications.
2. Manhole shall be leakage tested in accordance with project Specifications.
3. Provide concrete grout around the top ring and the frame, when manhole frame and cover is above finish ground.

DEPARTMENT OF PUBLIC WORKS — CITY OF MONTEREY
ENGINEERING DIVISION
STANDARD DETAILS FOR SEWERS

DESIGNED BY:	TITLE: PRECAST CONCRETE MANHOLE	SHEET 1 of 1
DRAWN BY: E.M.G.	APPROVED: Thomas B. Reeves 7-22-93 CITY ENGINEER DATE	DETAIL No. 200R
CHECKED BY:		

Revised 7/93



DEPARTMENT OF PUBLIC WORKS — CITY OF MONTEREY
ENGINEERING DEPARTMENT
STANDARD DETAILS FOR SEWERS

DESIGNED BY: —	TITLE: CLEAN - OUT	
DRAWN BY: G.D.	APPROVED: CITY ENGINEER [signature] DATE 4-19-95	DETAIL No. 202
CHECKED BY: M.L.	CITY MANAGER	

FRAMES						GRATE					
A	B	C	BEARING ANGLE	SIDE BAR		J	K	P	BEARING BARS	BAND BAR	#
IN	IN	IN	IN			IN	IN	IN	IN		BARS
12-3/8	12-3/8	15	1-1/2X1-1/2	1-1/2x1/4		14-3/4	12-1/8	12-1/16	1-1/4X3/16	1x3/16	21

BIO-RETENTION INLET

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL
580 PACIFIC STREET, MONTEREY, CA 93940
TEL: (831) 646-5601

Architect:
SOM
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

Consultants:
BkF ENGINEERS | SURVEYORS | PLANNERS
1650 TECHNOLOGY DRIVE
SUITE 650
SAN JOSE, CA 95110
408-467-9100

Issued For:

No.	Description:	Date:
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	PORTOLA PLAZA PERMIT SET	03 AUG 2015
	BID SET	28 AUG 2015
2	ADDENDUM 2	18 SEPT 2015

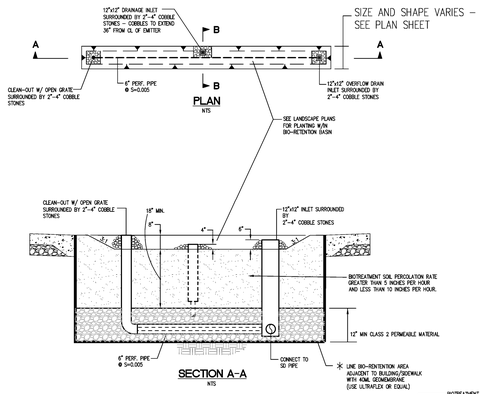
Key Plan:
TRUE NORTH
NORTH
MONTEREY CONFERENCE CENTER
PORTOLA PLAZA
Approved as to Form
Seal & Signature:

Sheet Name:
PORTOLA PLAZA CIVIL DETAILS

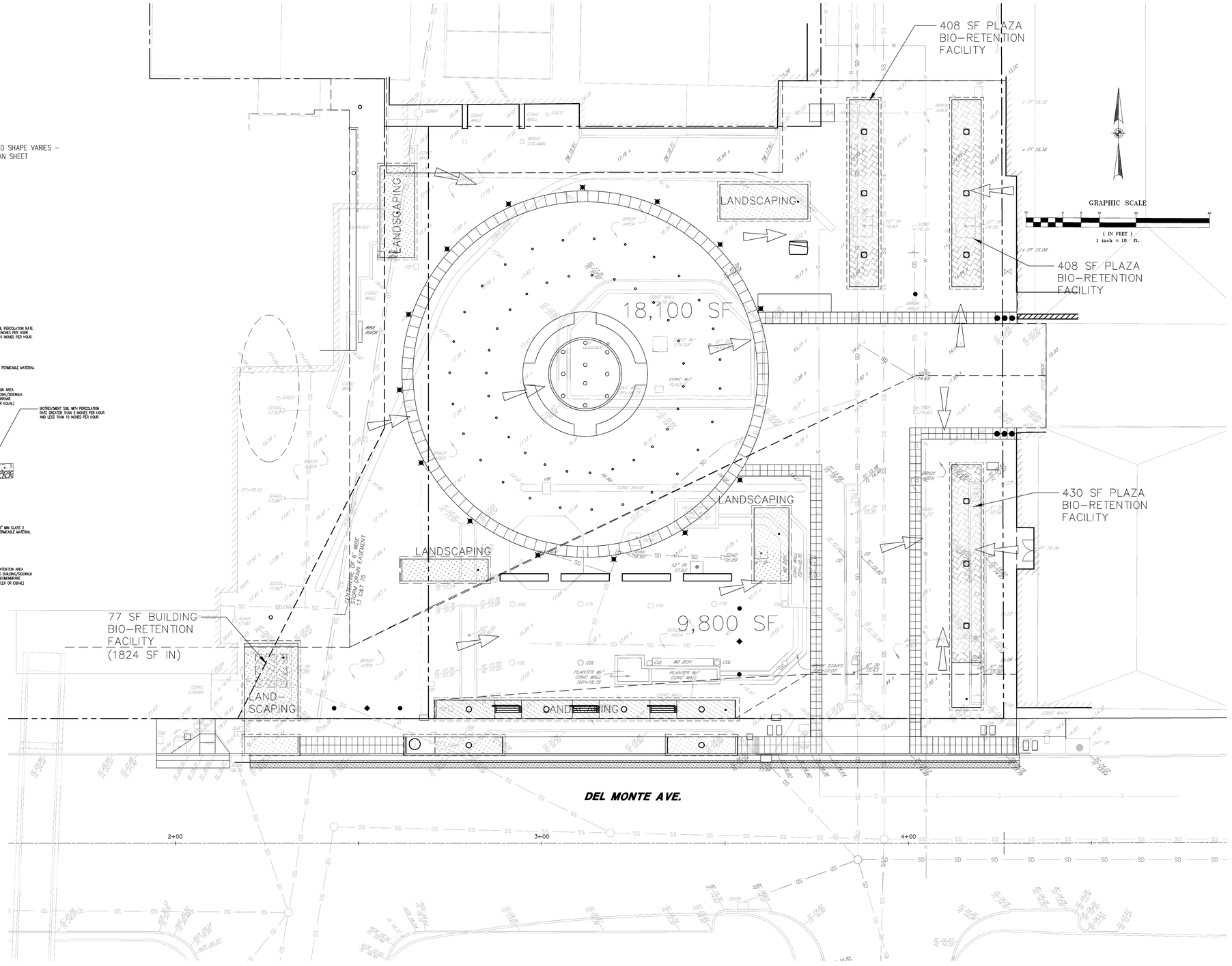
Project No.: 215004
Drawn By: MWB
Checked By:
Scale: 1" = 10'
Sheet No.: C3.01

Agreement #: A-5097 - Page 364

File Name: PP3.01 DETAILS.dwg Plotted By: bur 09/17/2015 [Thu 4:00pm]



BUILDING STORM WATER TREATMENT AREA WITH BUBBLE-UP



MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL
580 PACIFIC STREET, MONTEREY, CA 93940
TEL: (831) 646-5601

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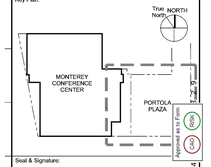
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

Consultants:
BKF ENGINEERS / SURVEYORS / PLANNERS
1650 TECHNOLOGY DRIVE
SUITE 650
SAN JOSE, CA 95110
408-467-9100

Issued For:

No.	Description:	Date:
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	PORTOLA PLAZA PERMIT SET	03 AUG 2015
	BID SET	26 AUG 2015
2	ADDENDUM 2	18 SEPT 2015

Key Plan:


Seal & Signature:

Sheet Name:
PORTOLA PLAZA STORM WATER CONTROL PLAN

Project No.:	Sheet No.:
215004	C4.01
Drawn By: MWB	
Checked By:	
Scale: 1" = 10'	

Agreement #: Ag-5097 - Page 364

File Name: #P4.01 SWCP.dwg Plotted By: bur 09/17/2015 [Thu 3:58pm]

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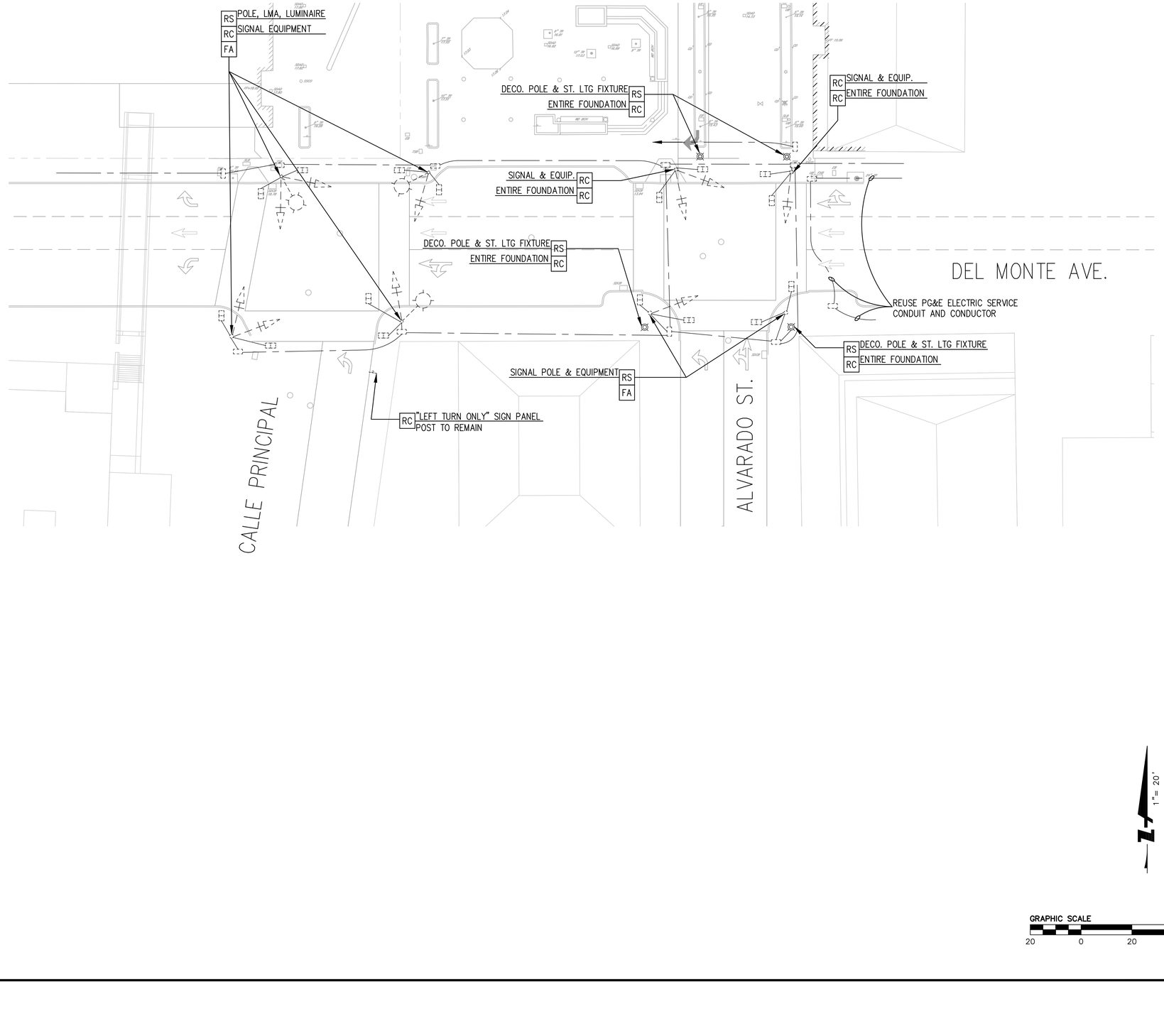
PROJECT NOTES:

RC EXISTING SIGNAL PULL BOXES

AB SIGNAL CONDUIT, LOOP DETECTORS



1" = 20'

GRAPHIC SCALE
20 0 20 40

DRAWING NAME: K:\JOBS\146129 Monterey Conference Center\CAD\TR1.01 TR-Portola Plaza.dwg
PLOT DATE: 8/18/15
PLOT BY: Matt Bell

BKF ENGINEERS / SURVEYORS / PLANNERS
1650 TECHNOLOGY DRIVE
SUITE 650
SAN JOSE, CA 95110
408-467-9100
408-467-9199 (FAX)

PORTOLA PLAZA
OFF-SITE IMPROVEMENT PLAN
TRAFFIC SIGNAL REMOVAL PLAN

MONTEREY COUNTY CALIFORNIA

MONTEREY

No.	Revisions

Date: 08-18-15
Scale: 1"=20'
Design: MWB
Drawn: TIU
Approved:
Job No: 20146129

Drawing Number:
TR1.01
1 OF 3

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CAO RISK

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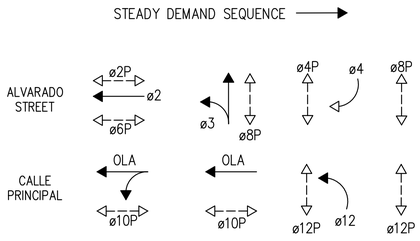
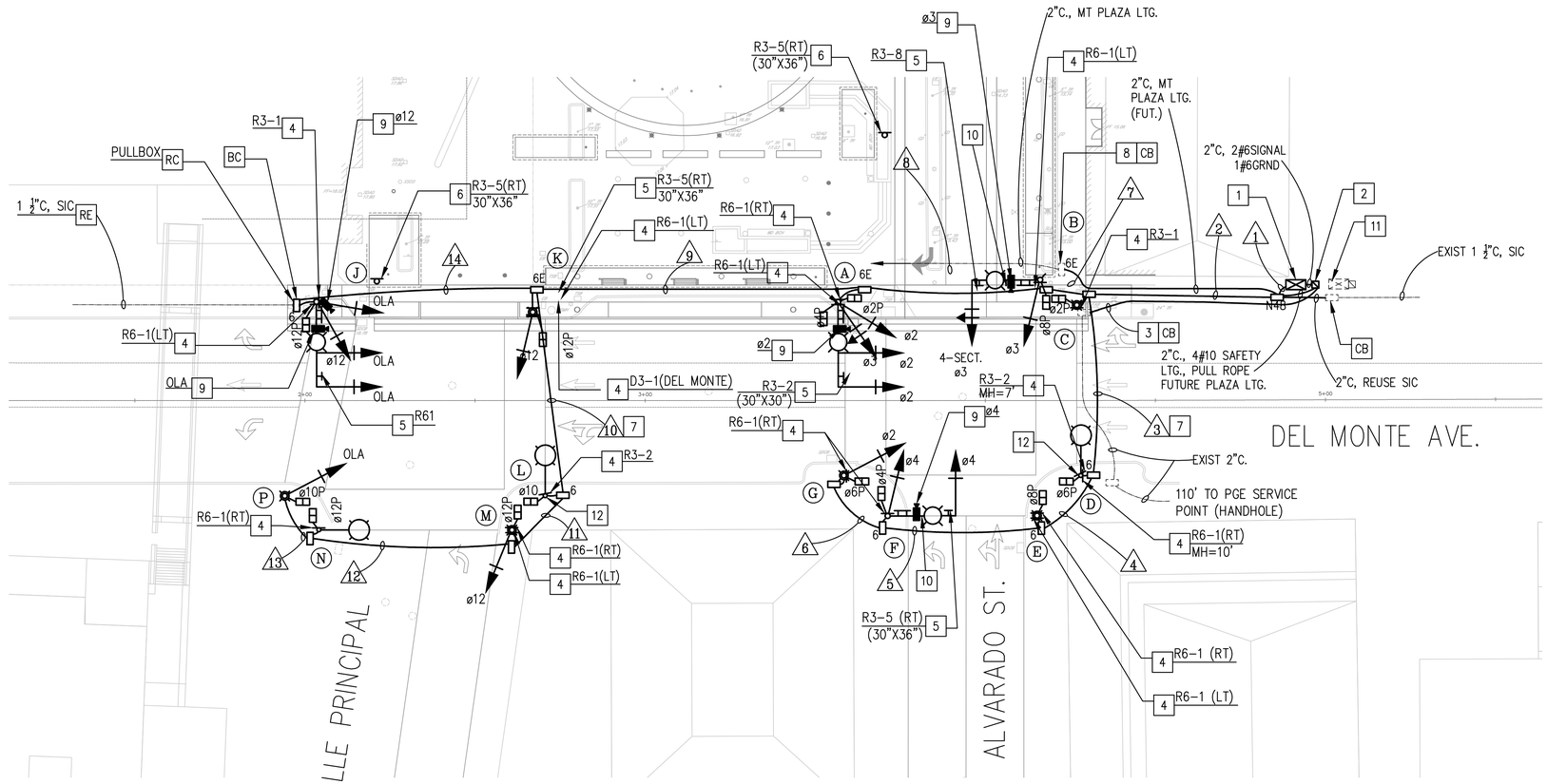
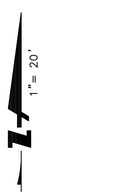


DEL MONTE/ALVARADO–CALLE PRINCIPAL PHASE DIAGRAM					
ALVARADO STREET	RING 1	UNUSED			
		ø1	ø2	ø3	ø4
	RING 2	UNUSED		UNUSED	
		ø5	ø6	ø7	ø8
CALLE PRINCIPAL	RING 3	UNUSED	OLA	OLA	
		ø9	ø10	ø10	ø12



PHASE	VEHICLE CHANNEL	PED CHANNEL	PED DETECTOR
ø2	2	9	2
ø3	3	–	–
ø4	4	10	4
ø6	–	11	6
ø7	7	–	–
ø8	8	12	8
ø10	–	13	1
ø12	16	14	3
OLA	6	–	–



GRAPHIC SCALE
20 0 20 40

GENERAL NOTES:

1. TRAFFIC SIGNAL AND LIGHTING SYSTEMS SHALL CONFORM TO 2010 CALTRANS STANDARD PLANS AND STANDARD SPECIFICATIONS, THESE PLANS AND THE SPECIAL PROVISIONS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY THE LOCATIONS OF ALL UNDERGROUND UTILITIES BEFORE EXCAVATION BEGINS. HAND–DIG FOUNDATIONS UNTIL CLEAR OF OBSTRUCTIONS. CALL UNDERGROUND SERVICE ALERT AT USA 811 THREE WORKING DAYS PRIOR TO CONSTRUCTION. COORDINATE POLE INSTALLATIONS WITH OVERHEAD UTILITIES AND SUBSTRUCTURE OWNERS. COORDINATE DIGGING NEAR CITY OWNED FIBER OPTIC CONDUIT WITH SIGNAL TECHNICIAN AT (831) 760–2252.
3. THE ENGINEER SHALL APPROVE EXACT LOCATIONS OF POLES, CABINETS, EQUIPMENT, AND STRIPING PRIOR TO FINAL PLACEMENT.
4. LOOP DETECTORS SHALL BE 6' ROUND TYPE 'E' LOOPS WITH FOUR WRAPS OF WIRE IN EACH LOOP OR 6' ROUND TYPE 'E' – MONTEREY AS SHOWN ON THE PLANS. LOOPS SHALL BE CENTERED IN THE TRAVEL PORTION OF THE LANE WITH A 10' SPACE BETWEEN LOOPS, UNLESS INDICATED OTHERWISE. THE ENGINEER SHALL APPROVE THE EXACT LOCATIONS OF LOOPS PRIOR TO SAW CUTTING AND SHALL APPROVE SAW CUTS PRIOR TO SEALING LOOPS.
5. CONDUIT SHALL BE RIDGID, NON–METALLIC TYPE 3 PVC.
6. ALL CONDUCTORS AND CABLES SHALL BE MARKED (TAGGED) IN THE CONTROLLER CABINET FOR PHASE IDENTIFICATION. ALL SIGNAL EQUIPMENT SHALL BE WIRED IN ACCORDANCE WITH THE PHASE DIAGRAM.
7. PULL BOXES SHALL BE NO. 5, UNLESS INDICATED OTHERWISE. N48 PULL BOXES SHALL HAVE METAL LIDS WITH HOLD–DOWN BOLTS. ALL PULL BOX LIDS SHALL BE LABELED.
8. TRAFFIC STRIPES AND PAVEMENT MARKINGS SHALL BE INSTALLED BY CITY.

PROJECT NOTES:

1. INSTALL TYPE 'P' CONTROLLER CABINET FOUNDATION PER STD. PLAN ES–3C AND INSTALL CITY–FURNISHED TS–2/TYPE 2 CONTROLLER ASSEMBLY WITH PLUGGABLES (EAGLE M60).
2. INSTALL ELECTRICAL SERVICE EQUIPMENT ENCLOSURE FOUNDATION PER CAL TRANS STD. PLAN ES–2D AND CITY–FURNISHED 120/140 VOLT TYPE III–AF SERVICE ENCLOSURE WITH UPS (TESCO MODEL 27–22BBS), 1–2P–100A MAIN BREAKER; 1–1P–30A BREAKER (SIGNALS) (METERED); 2–2P–20A BREAKER (SAFETY LIGHTING) (UNMETERED); 2–2P–15A BREAKERS (PLAZA LIGHTING) (A & B METERS); 1–1P–15A SPARE. LABEL ALL BREAKERS IN SERVICE ENCLOSURE.
3. INSTALL 2" CONDUIT WITH 2 #4 CONDUCTORS INTO EXISTING PG&E HANDHOLE PER PG&E REQUIREMENTS. CONNECTION BY PG&E. CONTACT PG&E SERVICE REP, JOANN KOOYMAN (831) 372–2514, 72 HOURS IN ADVANCE.
4. FURNISH AND INSTALL SIGN AS INDICATED WITH STRAP AND SADDLE BRACKETS ON SIGNAL POLE PER CALTRANS STD. PLAN RS4.
5. FURNISH AND INSTALL SIGN AS INDICATED ON SIGNAL MAST ARM PER CALTRANS STD. PLAN ES–7N, DETAIL U.
6. FURNISH AND INSTALL SIGN AS INDICATED AND STEEL POST POLE PER CITY STD. PLAN 603, WITH 7' MINIMUM CLEARANCE FROM GRADE TO BOTTOM OF SIGN PANEL.
7. FURNISH AND INSTALL CONDUIT BY DIRECTIONAL BORING AT 24" DEPTH UNDER CONCRETE PAVEMENT.
8. INSTALL 2" CONDUIT AND PULL WIRE INTO PLAZA LIGHTING PULL BOX. LABEL PULL WIRES: "PLAZA LIGHTING."
9. FURNISH AND INSTALL VIDEO DETECTION CAMERA AND MOUNTING PER CALTRANS STD. PLAN ES–7R, DETAIL B.
10. FURNISH AND FACTORY INSTALL ADDITIONAL TENON ON MAST ARM AT F=10' PER CALTRANS STD. PLAN ES–7M, DETAIL S–1.
11. REMOVE AND DISPOSE EXISTING CONTROLLER CABINET AND FOUNDATION. REMOVE AND DISPOSE TYPE II SERVICE ENCLOSURE AND CONDUIT ENTERING SIDE OF CONTROLLER CABINET. REMOVE AND SALVAGE CONTROLLER PLUGGABLES AND CONTROLLER UNIT TO MONTEREY CITY YARD AT 27 RYAN RANCH ROAD, MONTEREY, CA. ABANDON HOME RUN CONDUIT.
12. INSTALL FOUNDATION FOR TYPE 19–4–100 WITH 2"Ø X 42" ANCHOR BOLTS AND BOLT CIRCLE PER CALTRANS STD PLAN ES–7F.

1650 TECHNOLOGY DRIVE
SUITE 650
SAN JOSE, CA 95110
408–467–9100 (PHONE)
408–467–9199 (FAX)
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PORTOLA PLAZA
OFF–SITE IMPROVEMENT PLAN
TRAFFIC SIGNAL MODIFICATION DEL MONTE/ALVARADO–CALLE PRINCIPAL
MONTEREY COUNTY CALIFORNIA
MONTEREY

Revisions | No.

Date: 9–18–15
Scale: 1"=20'
Design: MWB
Drawn: TIU
Approved:
Job No: 20146129

Drawing Number:
TR2.01
2 OF 3

DRAWING NAME: K:\ENGC\146129 Monterey Conference Center\DWG\TR2.01 TRS.dwg
PLOTTED: Sep 17, 2015 - 8:47am

Approved as to Form CAO RISK

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CONDUCTOR SCHEDULE

AWG OR CABLE	POLE	POLE NUMBER 1	2	3	4	5	6	7	8	9	10	11	12	13	14
12#14 CABLE	Ⓐ	1	1					1	1						
	Ⓑ	1	1					1							
	Ⓒ	1	1												
	Ⓓ	1	1	1											
	Ⓔ	1	1	1	1										
	Ⓕ	1	1	1	1	1									
	Ⓖ	1	1	1	1	1	1								
	Ⓙ	1	1					1	1	1					1
	Ⓚ	1	1					1	1	1					
	Ⓛ	1	1					1	1	1	1				
	Ⓜ	1	1					1	1	1	1	1			
	Ⓝ	1	1					1	1	1	1	1	1		
	Ⓟ	1	1					1	1	1	1	1	1	1	
	TOTAL 12#14	13	13	4	3	2	1	8	7	6	4	3	2	1	1
3#14 CABLE	Ⓐ	1	1					1	1						
	Ⓑ	1	1					1							
	Ⓒ	1	1												
	Ⓓ	1	1	1											
	Ⓔ	1	1	1	1										
	Ⓕ	1	1	1	1	1									
	Ⓖ	1	1	1	1	1	1								
	Ⓙ	1	1					1	1	1					1
	Ⓚ	1	1					1	1	1					
	Ⓛ	1	1					1	1	1	1				
	Ⓜ	1	1					1	1	1	1	1			
	Ⓝ	1	1					1	1	1	1	1	1		
	Ⓟ	1	1					1	1	1	1	1	1	1	
	TOTAL 3#14	13	13	4	3	2	1	8	7	6	4	3	2	1	1
#10	SAFETY LIGHTING	0	4	2	2	2	2	2	2	2	2	2	2	2	2
CAT 5E	CAMERA	5	5	1	1	1	0	4	3	2	0	0	0	0	2
FIBER OPTIC	F/O CABLE	1	1	0	0	0	0	1	1	1	0	0	0	0	1
CONDUIT SIZE (INCHES)		2-4	2-3	3	3	3	2	2-3	2-3	2-3	3	3	3	2	3

ALL CABLES AND CONDUCTORS SHALL BE NEW UNLESS INDICATED OTHERWISE.
(E) = EXISTING
(RE) = REUSE EXISTING CABLES OR CONDUCTORS
(N) = NEW

POLE SCHEDULE – ALVARADO

POLE LOCATION	STANDARD TYPE	SMA	LMA	LUMINAIRE MAST ARM	POLE TOP	POLE SIDE	VEHICLE MOUNTING MAST ARM	POLE	PEDESTRIAN MOUNTING	PPB Ø	QUAD	ARROW	POLE LOCATION A	B	C	FOUNDATION	ANCHOR BOLTS	REFLECTIVE STREET NAME SIGN 12" CLEARVIEW-2W	DECORATIVE PANEL SIZE	DECORATIVE POLE NOTES	NOTES
Ⓐ	19-4-100	25'	12'	162W LED		75W LED	2-MAS	SV-2-T	SP-2-T	4	E	←			5'	ES-7F	(4) 2"Ø x42"x2" ASTM-S1554 GALV.	PORTOLA PLAZA →	108" X 24"	SEE DWG. 10-S00185-10130-1 FOR BCHUN2542 SIGNAL POLE, BASE PLATE, ANCHOR BOLT DETAILS	2ND TENNON ON MAST ARM @ F=10'
										2	N	→									
Ⓑ	17-3-100	20'	12'	162W LED			MAS	SV-1-T	SP-1-T	2	S	←			12'	ES-7E	(4) 2"Ø x42"x2" ASTM-S1554 GALV.	DEL MONTE	96" X 24"	SEE DWG. 10-S00185-10130-1 FOR BCHUN2542 SIGNAL POLE, BASE PLATE, ANCHOR BOLT DETAILS	2ND TENNON ON MAST ARM @ F=10'
Ⓒ	15 TS-MOD (14')				75W LED				SP-1-T	8	W	→			4'	ES-7A TYPE 15 TS	(4) 1.5"Ø x42"x2" ASTM-S1554 GALV.			SEE DWG. 10-S00185-10130-2 FOR BCHUN2436 SIGNAL POLE, BASE PLATE, ANCHOR BOLT DETAILS	
Ⓓ	15 TS (30')			162W LED					SP-1-T	8	W	←			4'	ES-7F	(4) 2"Ø x42"x2" ASTM-S1554 GALV.			SEE DWG. 10-S00185-10130-2 FOR BCHUN2436. SEE DWG. 10-S00185-10130-1 FOR BCHUN2542 BASE PLATE, ANCHOR BOLTS DETAILS	FACTORY INSTALL TYPE 19-4-100 BASE PLATE ON TYPE 15 TS (30') POLE. MOUNT POLE ON TYPE 19-4-100 FOUNDATION
Ⓔ	15 TS-MOD (14')				75W LED				SP-1-T	6	N	→			4'	ES-7A TYPE 15 TS	(4) 1.5"Ø x42"x2" ASTM-S1554 GALV.			SEE DWG. 10-S00185-10130-2 FOR BCHUN2436 SIGNAL POLE, BASE PLATE, ANCHOR BOLT DETAILS	
Ⓕ	17-3-100	20'	12'	162W LED			MAS	SV-1-T	SP-1-T	6	N	←			4'	ES-7E	(4) 2"Ø x42"x2" ASTM-S1554 GALV.	DEL MONTE	96" X 24"	SEE DWG. 10-S00185-10130-1 FOR BCHUN2542 SIGNAL POLE, BASE PLATE, ANCHOR BOLT DETAILS	2ND TENNON ON MAST ARM @ F=10'
Ⓖ	15 TS-MOD (14')				75W LED			SV-1-T	SP-1-T	4	E	→			4'	ES-7A TYPE 15 TS	(4) 1.5"Ø x42"x2" ASTM-S1554 GALV.			SEE DWG. 10-S00185-10130-2 FOR BCHUN2536 SIGNAL POLE, BASE PLATE, ANCHOR BOLT DETAILS	

POLE SCHEDULE – CALLE PRINCIPAL

POLE LOCATION	STANDARD TYPE	SMA	LMA	LUMINAIRE MAST ARM	POLE TOP	POLE SIDE	VEHICLE MOUNTING MAST ARM	POLE	PEDESTRIAN MOUNTING	PPB Ø	QUAD	ARROW	POLE LOCATION A	B	C	FOUNDATION	ANCHOR BOLTS	REFLECTIVE STREET NAME SIGN 12" CLEARVIEW-2W	DECORATIVE PANEL SIZE	DECORATIVE POLE NOTES	NOTES
Ⓙ	19-4-100	25'	12'	162W LED		75W LED	2-MAS	SV-2-T	SP-1-T	12	E	←			5'	ES-7F	(4) 2"Ø x42"x2" ASTM-S1554 GALV.	CALLE PRINCIPAL	108" X 24"	SEE DWG. 10-S00185-10130-1 FOR BCHUN2542 SIGNAL POLE, BASE PLATE, ANCHOR BOLT DETAILS	2ND TENNON ON MAST ARM @ F=10'
Ⓚ	15 TS-MOD (18')					75W LED		SV-1-T	SP-1-T	12	W	→			4'	ES-7A TYPE 15 TS	(4) 1.5"Ø x42"x2" ASTM-S1554 GALV.			SEE DWG. 10-S00185-10130-2 FOR BCHUN2436 SIGNAL POLE, BASE PLATE, ANCHOR BOLT DETAILS	
Ⓛ	15 TS (30')			162W LED					SP-1-T	12	W	←			4'	ES-7F	(4) 2"Ø x42"x2" ASTM-S1554 GALV.			SEE DWG. 10-S00185-10130-2 FOR BCHUN2436. SEE DWG. 10-S00185-10130-1 FOR BCHUN2542 BASE PLATE, ANCHOR BOLTS DETAILS	FACTORY INSTALL TYPE 19-4-100 BASE PLATE ON TYPE 15 TS (30') POLE. MOUNT POLE ON TYPE 19-4-100 FOUNDATION
Ⓜ	15 TS-MOD (14')				75W LED			SV-1-T	SP-1-T	10	N	→			4'	ES-7A TYPE 15 TS	(4) 1.5"Ø x42"x2" ASTM-S1554 GALV.			SEE DWG. 10-S00185-10130-2 FOR BCHUN2436 SIGNAL POLE, BASE PLATE, ANCHOR BOLT DETAILS	
Ⓝ	15 TS (30')			162W LED					SP-1-T	10	N	←			4'	ES-7A TYPE 15 TS	(4) 1.5"Ø x42"x2" ASTM-S1554 GALV.			SEE DWG. 10-S00185-10130-2 FOR BCHUN2436 SIGNAL POLE, BASE PLATE, ANCHOR BOLT DETAILS	
Ⓟ	15 TS-MOD (14')				75W LED			SV-1-T	SP-1-T	12	E	→			4'	ES-7A TYPE 15 TS	(4) 1.5"Ø x42"x2" ASTM-S1554 GALV.			SEE DWG. 10-S00185-10130-2 FOR BCHUN2436 SIGNAL POLE, BASE PLATE, ANCHOR BOLT DETAILS	

1650 TECHNOLOGY DRIVE
SUITE 650
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408-467-9100
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BKF ENGINEERS / SURVEYORS / PLANNERS

PORTOLA PLAZA
OFF-SITE IMPROVEMENT PLAN
CONDUCTORS AND EQUIPMENT SCHEDULE

MONTEREY COUNTY, CALIFORNIA

MONTEREY

No.	Revisions

Date: 9-18-15
Scale:
Design: MWB
Drawn: TIU
Approved:
Job No: 20146129

Drawing Number:
TR2.02
3 OF 3

DRAWING NAME: K:\20Civil\146129 Monterey Conference Center\DWG\TR2.02 TRN-SCHEDULES.dwg
PLOT DATE: 9-21-15
PLOT TIME: 8:22
PLOTTED BY: Tim Iu

Approved as to Form CAO RISK

CONDITIONS OF APPROVAL

CONDITIONS OF APPROVAL:

Special:

1. That prior to installation the following items shall return to the ARC for review and approval:
   a. The final design of the fountain; and
   b. A revised landscaping plan showing a reduction in the "pinch-point" at the southeast planter.

Standard:

2. That, prior to submittal for Building Permits, the applicant shall provide a copy of these Conditions of Approval on the front page of any plans to be included in the Permit submittal.

   a. That the hours of construction shall be limited to the hours of 7:00 am to 7:00 pm Monday through Friday, 8:00 am to 5:00 pm Saturday and 10:00 am to 5:00 pm Sunday.

   b. That this approval will expire 24 months from the date of approval by the City of Monterey Architectural Review Committee unless the required Building Permits are issued for the project.

   c. It is the applicant's responsibility to track the expiration date and any request for extension must be made a minimum of 60 days prior to expiration. No renewal notice will be sent to the applicant or property owner.

   d. The project is subject to Monterey City Code, Chapter 31.5, Storm Water Management, and associated City Storm Water Regulatory Permit and Management Program, including, but not limited to storm water design, installation and maintenance of all necessary best management practices and physical infrastructure required to comply with said chapter.

   Storm Water Development Design for New and Redevelopment Projects: Project must conform to new post-construction storm water design regulations (PCRs) for new and

redevelopment projects, which include the submittal of a Storm Water Control Plan and associated storm water design plans, calculations, information and attachments. Regulations, guidelines, and templates can be found online at this MRSWMP Developers Resource webpage:
http://www.montereysea.org/resources_developers.php.

Storm Water BMP Maintenance Agreement: Prior to finalization of the Building Permit, the developer shall develop and submit an operations and maintenance plan for permanent, structural storm water BMPs constructed as a part of this project, and enter into a legal agreement or covenant with the City to provide verification of at least annual maintenance of any necessary post-construction storm water facilities constructed on the site. The legal agreement or covenant shall be subject to review and approval of the City Engineering and City Attorney. The provisions in the agreement shall run with the land and the document shall be recorded with the County Recorder.

During-Construction Pollution Prevention: During construction, the developer shall employ temporary storm water best management practices (BMPs) for erosion and sediment control, prevention of non-storm water discharges, and implement good housekeeping and construction waste management practices to protect the storm drainage system and water quality as required by City Code Section 31.5-15(c), City Phase II Permit, State Water Resources Control Board (SWRCB) Construction General Permit (CGP), and MRSWMP. Plans for the implementation of during-construction storm water management and BMPs, such as a Storm Water Pollution Prevention Plan (SWPPP), shall be submitted to the City and subject to review and approval of the City Engineer and Building Official prior to issuance of a grading and/or building permit.

   e. Tree protection shall be installed prior to initiation of any site disturbance as required by Municipal Code Chapter 37.

   f. If archaeological materials or features are discovered at any time during construction, excavation shall be halted within 50 meters (150 feet) of the find until it can be evaluated by a qualified professional archaeologist (defined as one who is certified by the Society of Professional Archaeologists). If the find is determined to be significant, appropriate mitigation measures shall be formulated and implemented. If human remains are discovered at any time during construction, work shall be halted within 50 meters (150 feet) of the find. The contractor shall call the Monterey County Coroner and await the Coroner's clearance. If the coroner determines the remains are Native American, the Coroner shall contact the Native American Heritage Commission (NAHC) within 24 hours. NAHC shall notify the most likely descendent. The Native American descendent, with permission of the land owner or representative, may inspect the site of the discovery and recommend the means for treating or disposing with appropriate dignity the human remains and any associated grave goods. The Native American descent shall complete their inspection and make their recommendation within 24 hours of their notification by the Native American Heritage Commission. The recommendation may include the removal and analysis of human remains and associate items; preservation of the Native American human remains and associated items in place; relinquishment of Native American human remains and associated items to the descendants for treatment other culturally appropriate treatment. If the NAHC is unable to identify a descendent or the descendent identified fails to make a recommendation within 24 hours, the landowner shall reinter the human remains and items associated with the Native

American burials with appropriate dignity on the property in a location not subject to further subsurface disturbance. If the landowner and Native American descendent reach agreement on the appropriate procedure, the landowner shall follow this procedure. If the landowner and Native American descent cannot reach agreement, the parties shall consult with the Native American Heritage Commission. The landowner shall consider and if agreeable follow the identified procedure. If the landowner and Native American descendant cannot reach agreement after consultation, the Native American human remains shall be reinterred on the property with appropriate dignity. All procedures described in California Government Code Section 55352 shall apply.

3. That the applicant shall receive and required Building and/or Coastal Permits for the project.

PASSED AND ADOPTED BY THE ARCHITECTURAL REVIEW COMMITTEE OF THE CITY OF MONTEREY this 15th day of July, 2015, by the following vote:

AYES:	4	MEMBERS:	Freeman, Abma, Dawson, Silva
NOES:	1	MEMBERS:	Searle
ABSENT:	2	MEMBERS:	Latasa, Kimzey
ABSTAIN:	0	MEMBERS:	None
RECUSED:	0	MEMBERS:	None

APPROVED:

Architectural Review Committee Chair

ATTEST:

Project Planner

GENERAL NOTES

1. THE CITY OF MONTEREY WILL BE FURNISHING ALL CONCRETE UNIT PAVERS FOR PORTOLA PLAZA. CONTRACTOR TO DO TAKE OFFS, ACCOUNTING FOR BREAKAGE, DAMAGE AND ATTIC STOCK FOR THE OWNER'S USE IN PROCUREMENT. CONTRACTOR TO STORE DELIVERED PAVERS AND INSTALL PER THE CONTRACT DOCUMENTS.
2. THE CITY OF MONTEREY WILL FURNISH AND INSTALL ALL PLANTING MATERIALS FOR THE ENTIRE PROJECT. CONTRACTOR IS RESPONSIBLE FOR PROCURING AND INSTALLING ANY WATERPROOFING ASSEMBLAGE, SOILS PER SPECIFICATION REQUIREMENTS, THE IRRIGATION SYSTEM AND MULCH.
3. THE AREA FROM THE FACE OF THE CONFERENCE CENTER TO THE PROPERTY LINE IS TO BE CONSIDERED PART OF THE BASE BID PROJECT. THE REMAINDER OF PORTOLA PLAZA IS A DEDUCT ALTERNATE AND SHOULD BE PRICED SEPARATELY.
4. THE FOLLOWING LANDSCAPE DRAWINGS DESCRIBE HARDSCAPE MATERIAL COLOR AND FINISHES, IRRIGATION, AND SPECIFICATION IMPROVEMENTS. WORK CONSISTS OF THE DESIGN AND DETAILING OF PLANTING, IRRIGATION, AND HARDSCAPE FINISHES. THIS INFORMATION REFLECTS COORDINATION WITH RELATED DISCIPLINES, ESPECIALLY STRUCTURAL, ARCHITECTURAL, ELETRICAL, CIVIL, MECHANICAL, AND PLUMBING.
5. GRADING INFORMATION SHOWN ON PLANS AS PER CIVIL IS TRANSCRIBED FOR INFORMATIONAL PURPOSES ONLY. ROADWAY GRADES AND CURB ELEVATIONS ARE AS INDICATED BY BKF, AND REFLECT CALCULATIONS AND COORDINATION BETWEEN CIVIL ENGINEERS, AND THE ARCHITECT. GLS LANDSCAPE ARCHITECTURE SHALL BE HELD FREE OF ANY AND ALL LIABILITY CONCERNING GRADING INFORMATION, CONFLICTS, CODE RESTRICTIONS, OR PERFORMANCE ISSUES RESULTING FROM GRADING INFORMATION ALONG THE ROADWAYS OR OUTSIDE OF OUR LIMIT OF WORK.
6. ALL PROPERTY, EASEMENT, VEHICLE CLEARANCES, FIRELANE AND LIMIT OF WORK LINES SHALL BE VERIFIED PRIOR TO COMMENCING WORK.
7. ALL WORK SHALL BE PERFORMED IN CONFORMANCE WITH APPLICABLE LOCAL CODES AND ORDINANCES.
8. SITEWORK SHALL BE IN CONFORMANCE WITH LOCAL ADMINISTRATIVE CODE AND AMERICANS WITH DISABILITIES ACT.
9. CONTRACTOR SHALL BE RESPONSIBLE TO CONSULT WITH OWNER'S REPRESENTATIVE, SITE SUPERINTENDENT, APPROPRIATE AGENCIES AND CONSTRUCTION DOCUMENTATION TO DETERMINE THE LOCATIONS OF ALL EXISTING, PROPOSED & ABANDONED UNDERGROUND UTILITIES, PIPES AND STRUCTURES. CONTRACTOR SHALL IDENTIFY CONFLICTS WITH THE LANDSCAPE WORK, ESPECIALLY EXISTING & PROPOSED TREES, AND BRING THEM TO THE ATTENTION OR THE OWNER'S REPRESENTATIVE AND SHALL TAKE SOLE RESPONSIBILITY FOR ANY COST INCURRED DUE TO DAMAGE OF UTILITIES.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY COORDINATION WITH SUBCONTRACTORS AS REQUIRED TO ACCOMPLISH ALL CONSTRUCTION OPERATIONS. ALL DRAIN LINES, CONDUIT, SLEEVES, AND POWER AND WATER SERVICE POINTS SHALL BE IN PLACE PRIOR TO INSTALLATION OF LANDSCAPE CONSTRUCTION SHOWN IN THESE DOCUMENTS.
11. WRITTEN SPECIFICATIONS AND REFERENCES ARE PART OF THE CONSTRUCTION DOCUMENTATION PACKAGE. CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OF SPECIFICATIONS AND DRAWINGS WITH THE RELATED WORK OF OTHER DISCIPLINES, AND WITH RELATED CONSTRUCTION DOCUMENTS, INCLUDING, BUT NOT LIMITED TO, OTHER INCREMENTS OF THE PROJECT, INCLUDING STRUCTURAL, ARCHITECTURAL, CIVIL, AND MEP PACKAGES.
12. WHEN CONFLICTS EXIST BETWEEN DRAWINGS AND SPECIFICATIONS, CONTRACTOR SHALL BE BOUND TO DELIVER THE HIGHER QUALITY OR MORE RESTRICTIVE PRODUCT.
11. THE CAST IRON TREE GRATES SPECIFIED FOR ALVARADO MALL ARE RATED FOR PEDESTRIAN LOADS ONLY.

LAYOUT AND GRADING NOTES

1. CONTRACTOR SHALL PERFORM ALL PROTECTION, DEMOLITION, REMOVAL AND SITE PREPARATION NECESSARY FOR THE PROPER EXECUTION OF WORK SHOWN IN THE DRAWINGS AND SPECIFICATIONS. DEMOLITION IS TO BE PERFORMED WITH ACCURACY IN ACCORDANCE WITH DIMENSIONED LAYOUT PLANS. WHERE DEMOLITION DOES NOT CONFORM TO THE DRAWINGS, CONTRACTOR SHALL BE RESPONSIBLE FOR DEMOLITION TO THE NEXT LOGICAL JOINT OR SEAM, AND THE REPLACEMENT OF ADJACENT WORK ACCORDING TO THE DESIGN INTENT SHOWN IN THE DRAWINGS. DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.
2. DOCUMENTED EXISTING CONDITIONS ARE TO BE CONFIRMED IN THE FIELD AND ALL PROPOSED DIMENSIONS ARE TO BE VERIFIED ACCORDING TO EXISTING CONDITIONS. CONTRACTOR SHALL NOT PROCEED WITH CONSTRUCTION WHEN DISCREPANCIES OR GRADE DIFFERENCES EXIST THAT MAY NOT HAVE BEEN KNOWN DURING DESIGN. CONTRACTOR SHALL BE RESPONSIBLE FOR BRINGING SUCH CONDITIONS TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE, AND FOR PROVIDING AS-BUILT DOCUMENTATION WHEN REQUIRED TO FACILITATE CHANGES. ALIGNMENTS AND RELATIONSHIPS OF NEW AND EXISTING WORK MAY TAKE PRECEDENCE OVER WRITTEN DIMENSIONS.
3. FOR CONTROL DIMENSION SHOWN ON L1.01. SECONDARY DIMENSIONS MAY BE TAKEN FROM FACE OF BUILDING OR EDGES OF STRUCTURES OR SITE ELEMENTS.
4. GLS GRADING SLOPE GOES TO BACK OF WALK. REFER TO CIVIL DRAWINGS FOR GRADING AT SIDEWALKS, CURBS, CURB RAMPS, WALLS, ROADWAY AND UTILITIES.
5. REFER TO LANDSCAPE DRAWINGS FOR MATERIALS, FINISHES & PROFILES, DISCREPANCIES BETWEEN LANDSCAPE & CIVIL DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER.
6. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS. DO NOT SCALE DRAWINGS.
7. SCORING SHOWN ON DRAWINGS SHOWS DESIGN INTENT. FIELD VERIFICATION OF LAYOUT SHALL BE REVIEWED AND APPROVED BY OWNER'S AUTHORIZED REPRESENTATIVE.

QUALITY CONTROL

1. ALL SHOP DRAWINGS, REQUIRED AS PART OF LANDSCAPE IMPROVEMENTS, SHALL BE COORDINATED WITH ALL ASSOCIATED DISCIPLINES, SITE AND ARCHITECTURAL CONDITIONS. DRAWINGS SHALL SHOW ADJACENT CONTEXT INFORMATION THAT WILL GIVE CLEAR INDICATION OF THE INTERFACE TO FINISH MATERIALS, SUBSTRUCTURE AND FOUNDATIONS, BUILDINGS, UTILITIES, PROPERTY LINES, CLEARANCES, EASEMENTS AND OTHER NECESSARY INFORMATION.
2. ALL MOCK UPS FOR LANDSCAPE IMPROVEMENTS SHALL BE A TRUE REPRESENTATIVE EXAMPLE OF THE SCOPE OF WORK SHALL AND PROVIDE EXAMPLES OF JOINTS, SEAMS, WELDS, FINISHES, COLORS, FASTENER TYPES FOR REVIEW AND APPROVAL.
3. MOCK-UPS ARE TO BE PROVIDED ACCORDING TO THE SPECIFICATIONS, AND ALL FIRST TYPICAL CONSTRUCTION CONDITIONS ARE TO BE PREPARED FOR APPROVAL IN-PROGRESS BY OWNER'S REPRESENTATIVE INCLUDING, BUT NOT LIMITED TO, JOINTS, SEAMS, FINISHES, PROFILES AND COLORS.

SURVEY CONTROL

1. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF SURVEY. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.
2. LANDSCAPE FINISH GRADE ELEVATION IS 1/2" (MAX.) BELOW ARCHITECTURAL FINISH FLOOR AT THRESHOLD UNLESS OTHERWISE NOTED.

CONCRETE NOTES

1. ALL CONCRETE MIXES USED FOR SITE LANDSCAPE ELEMENTS SHALL BE REVIEWED BY OWNER'S TESTING LAB AND SUBMITTED TO OWNERS AUTHORIZED REPRESENTATIVE OR DIRECTED BY GENERAL REQUIREMENTS OF SPECIFICATIONS. ALL COSTS ASSOCIATED TO TESTING SHALL BE AT CONTRACTORS EXPENSE.
2. PROVIDE 2" MINIMUM CLEAR CONCRETE COVER FOR REINFORCEMENT UNLESS OTHERWISE NOTED.
3. PROVIDE SLEEVES FOR PLUMBING AND ELECTRICAL OPENINGS IN CONCRETE BEFORE PLACING. DO NOT CUT ANY REINFORCING WHICH MAY INTERFERE. CORING IN CONCRETE IS NOT PERMITTED EXCEPT AS SHOWN. NOTIFY GENERAL CONTRACTOR IN ADVANCE OF CONDITIONS NOT SHOWN ON THE DRAWINGS.
4. CONCRETE JOINT TYPES AND REBAR PLACEMENTS SHALL BE ACCURATELY LOCATED TO CONTROL CRACKING AND TO ALIGN WITH ARCHITECTURAL ELEMENTS.

SITE LANDSCAPE STRUCTURAL ELEMENTS

1. ALL SITE STRUCTURAL INFORMATION IS INCORPORATED WITHIN THE LANDSCAPE DRAWINGS FOR CONTRACTORS CONVENIENCE. STRUCTURAL QUESTIONS AND SUBMITTALS REGARDING THESE ELEMENTS SHALL BE COPIED TO PROJECT STRUCTURAL ENGINEER FOR ADDITIONAL REVIEW AND APPROVAL. THIS INCLUDES, BUT IS NOT LIMITED TO, CONCRETE UNIT MASONRY, CONCRETE THICKNESS, STEEL REINFORCEMENT, RAILINGS, WALLS, FOUNDATIONS, AND CONCRETE ANCHORS.

LANDSCAPE METALWORK

1. PROVIDE MOCK-UP OF FIRST WORK IN PROGRESS FOR ALL WORK
2. CONTRACTOR TO COORDINATE THE ENGINEERING, SHOP DRAWINGS AND MOCK-UPS TO ASSURE COMPLETENESS AND UNIFORMITY OF LAYOUT AND COMPONENTS OF THE METAL WORK, SUCH AS CONCRETE, PRECAST UNIT PAVERS.

PLANTING NOTES

1. THE CITY OF MONTEREY WILL BE SUPPLYING AND INSTALLING ALL PLANT MATERIALS. A QUALIFIED LANDSCAPE CONTRACTOR WILL INSTALL THE IRRIGATION SYSTEM, BOTH IN THE PLAZA AND ON THE CONFERENCE CENTER. A QUALIFIED PLUMBING CONTRACTOR IS TO REPAIR, REPLACE OR INSTALL IRRIGATION PIPING TO EACH PLANTER FROM THE EXISTING BACKFLOW PREVENTER AND A QUALIFIED ELECTRICAL CONTRACTOR IS TO PROVIDE LOW VOLTAGE WIRE IN CONDUITS FROM THE EXISTING CONTROLLER TO EACH PLANTER ON THE CONFERENCE CENTER AND FROM THE NEW CONTROLLER TO THE WITH 5' OF THE BUILDING FOR THE PLAZA IRRIGATION SYSTEM.
2. PLANT AREA AND OVERALL QUANTITY FOR EACH PLANT TYPE ARE SHOWN ON THE PLANTING SCHEDULE FOR REFERENCE PURPOSES ONLY. THE CITY IS TO CONFIRM QUANTITIES WITH THE ASSISTANCE OF THE LANDSCAPE ARCHITECT. ALL AREAS ARE TO BE DENSELY PLANTED, PER SPACING IN PLANTING SCHEDULES.
3. WHERE IN-THE-FIELD CONFLICTS ARISE BETWEEN PLANT AND UTILITY LOCATIONS, THE CITY SHALL MAKE THE NECESSARY ADJUSTMENTS TO PLANT PLACEMENT IN ORDER TO ACHIEVE OPTIMUM DESIGN INTENT.
4. ALL UNDERGROUND UTILITIES SHALL BE LOCATED BEFORE START OF WORK.
5. GRADES SHALL BE APPROVED BY THE THE CITY OF MONTERREY PRIOR TO PLANTING OF PLANT MATERIALS. PERFORM FINE GRADING IN ALL PLANTING AREAS AND COORDINATE FINISH GRADE TO ALLOW MULCH AS INDICATED IN SPECIFICATIONS.
6. DIMENSIONS FOR PLACEMENT AND LAYOUT OF PLANT MATERIALS SHOWN ON DRAWINGS ARE APPROXIMATE. LAYOUT OF PLANT MATERIALS SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION OF PLANT MATERIALS IN CONFORMANCE WITH SPECIFICATIONS.
7. THE CITY OF MONTERREY SHALL ORDER PLANT MATERIAL TO ENSURE ADEQUATE QUANTITIES AND SIZES OF PLANT MATERIAL WILL BE AVAILABLE, IN CONFORMANCE WITH DRAWINGS AND SPECIFICATIONS.
8. AFTER PLANTING IS COMPLETE, FURNISH AND SPREAD MULCH OVER ENTIRE PLANTED AREA, IN CONFORMANCE WITH SPECIFICATIONS, UNLESS OTHERWISE NOTED ON DRAWINGS. THE CITY SHALL PROVIDE THE AMOUNT OF MULCH AND/OR DECORATIVE ROCK NECESSARY TO COVER THE ENTIRE PLANTING AREA AND ALL AREAS NOT IDENTIFIED AS PAVING AREAS AS INDICATED ON DRAWINGS AND SPECIFICATIONS.
9. THE CITY OF MONTERREY SHALL BE RESPONSIBLE FOR THE PLANT ESTABLISHMENT OF THE ENTIRE SITE FOR THE DURATION OF THE CONTRACT AND PLANT ESTABLISHMENT PERIOD, AS INDICATECT IN SPECIFICATIONS, INCLUDING, BUT NOT LIMITED TO, ALL WATERING, MOWING, EDGING, TRIMMING, PRUNING, WEEDING, FERTILIZING, AND KEEPING ALL PLANT MATERIAL (BOTH EXISTING AND NEW) IN HEALTHY GROWING CONDITIONS AND NEAT AND ATTRACTIVE IN APPEARANCE, REPLACE ALL DEAD AND/OR DAMAGED PLANT MATERIAL ON A WEEKLY BASIS.
10. THE CITY SHALL CONFIRM SOURCE OF ALL PLANT MATERIAL. ALL PLANT MATERIAL OF SAME SPECIES SHALL BE FROM A SINGLE SOURCE.
11. SIGNIFICANT TREES SHALL BE PROVIDED BY THE CITY OF MONTEREY THROUGH CONTRACT GROWING OR HARVESTING IN UNIFORM SIZES AND SIZES SPECIFIED.

ACCESSIBILITY

1. ALL SITE WORK SHALL BE IN CONFORMANCE WITH LOCAL ADMINSTRATIVE CODE AND AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG) AND THE 2013 CALIFORNIA BUILDING CODE (CBC)

SITE UTILITY

1. DRAWING PROVIDED BY IT & ELECTRICAL ARE DIAGRAMMATIC & DO NOT SHOW ROUTING OR SURFACE UTILITY BOXES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SUBMITTALS SHOWING LAYOUTS AND SURFACE UTILITY BOXES FOR THE LANDSCAPE ARCHITECT'S REVIEW. ALL UTILITIES SHALL BE OFFSET TO AVOID TREE & SHRUB LOCATIONS.

ABBREVIATION LEGEND

BLDG.	BUILDING	O.C.	ON CENTER
BW	BACK OF WALK	O.D.	OUTSIDE DIAMETER
℄	CENTER LINE	P	PROPERTY LINE
CBC	CALIFORNIA BLDG. CODE	S.A.D.	SEE ARCHITECTURAL DRAWINGS
CONC	CONCRETE	S.C.A.	SEE CIVIL DRAWINGS
DIA	DIAMETER	S.E.D.	SEE ELECTRICAL DRAWINGS
DWGS	DRAWINGS	S.S.D.	SEE STRUCTURAL DRAWINGS
(E)	EXISTING	SIM	SIMILAR
EF	EACH FACE	SPEC	SPECIFICATIONS
EJ	EXPANSION JOINT	STRUCT.	STRUCTURAL ENGINEER
ELEC.	ELECTRICAL ENGINEER	TC	TOP OF CURB
EQ	EQUAL	TG	TOP OF GRATE AT DRAIN
EW	EACH WAY	TW	TOP OF WALL
FF	FINISH FLOOR ELEVATION	TYP	TYPICAL
FG	FINISH GRADE	UON	UNLESS OTHERWISE NOTED
HP	HIGH POINT	VIF	VERIFY IN FIELD
MAX.	MAXIMUM	WP	WATERPROOFING
MECH.	MECHANICAL ENGINEER	+96.5	FINISH GRADE
MIN.	MINIMUM		
(N)	NEW		
N.I.C.	NOT IN CONTRACT		

SHEET INDEX

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L1.01	LAYOUT AND MATERIALS PLAN AREA 1
L1.01A	PAVING LAYOUT AREA 1
L2.01	GRADING PLAN AREA 1
L4.01	LANDSCAPE DETAILS
L4.02	LANDSCAPE DETAILS
L5.01	PLANTING PLAN AREA 1
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L5.03	PLANTING PLAN AREA 3
L5.04	PLANTING DETAILS
L6.00	IRRIGATION NOTES AND LEGEND
L6.01	IRRIGATION PLAN AREA 1
L6.02	IRRIGATION PLAN AREA 2
L6.03	IRRIGATION PLAN AREA 3
L6.04	IRRIGATION DETAILS

LEGEND

- STANDARD VEHICULAR CONCRETE WAUSAU UNIT PAVER AT PLAZA — 6" X 12" X 2 3/8" COLOR: SEA 10, FINISH: EXTERIOR TERRAZZO, OWNER FURNISHED, CONTRACTOR INSTALLED
- STANDARD VEHICULAR CONCRETE WAUSAU UNIT PAVER AT PLAZA — 6" X 12" X 2 3/8" COLOR: SEA 50, FINISH: EXTERIOR TERRAZZO, OWNER FURNISHED, CONTRACTOR INSTALLED
- LIMESTONE COBBLESTONES AND RESTRAINING EDGE AT PLAZA — 4" X 4" X 4", FINISH: FLAMED
- IRON AGE CAST IRON WARNING PAVERS — A: 3' X 3' RADIAL, B: 18" X 24", C: 2'6" X 2', FINISH: OIL BAKED
- CAST IRON TREE GRATE — 12" X 24"
- PLANTING AREA – OWNER FURNISHES AND INSTALLS PLANTS, CONTRACTOR INSTALLS SOIL AND IRRIGATION
- E2 — ILLUMINATED METAL BOLLARD – E2, FINISH: STAINLESS STEEL, S.E.D.
- REMOVABLE METAL BOLLARD
- FIXED METAL BOLLARD
- HYDRAULIC METAL BOLLARD
- E6 — POLE LIGHT – E6
- E1 — MONTEREY CITY STANDARD LIGHT, MANUFACTURER: ARLINGTON SERIES POSTOP LUMINAIRE, S.E.D. – E1
- CAST IRON DOMED BUTTON
- E3* — ILLUMINATED DOMED BUTTON, S.E.D. – E3
- STATUE OF PORTOLA ON STONE CLAD PLINTH W/ RELOCATED PLAQUES
- PREFABRICATED BENCH TYPE 1
- PREFABRICATED BENCH TYPE 2
- SUB SURFACE RETAINING WALL
- PROPERTY LINE
- MATCHLINE
- LIMIT OF WORK
- 5' ACCESSIBLE ROUTE (SLOPE UNDER 5%, CROSS PITCH UNDER 2%)
- EXISTING ACCESSIBLE ROUTE (SLOPE UNDER 5%, CROSS PITCH UNDER 2%)
- GRADE BREAK
- PASSENGER LOADING ZONE SIGNAGE PER CBC 11B-503.6
- (15.19) — EXISTING DATUM POINT TO CONFORM
- FF 18.05 — ARCHITECTURAL FINISH FLOOR
- + (15.19) — EXISTING SPOT ELEVATION
- 15.19 — PROPOSED GRADE
- + 15.19 — PROPOSED SPOT ELEVATION
- 15.19 — PROPOSED CIVIL SPOT ELEVATION
- 2% — SLOPE
- GRADE BREAK
- 15 — PROPOSED CONTOUR
- AREA DRAIN IN PAVING, BRONZE HEEL PROOF GRATING
- PLANTER DRAIN – ATRIUM GRATE

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
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Architect:
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SAN FRANCISCO, CA 94111

Consultants:
GLS LANDSCAPE ARCHITECTURE
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San Francisco, CA 94110-3105
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	BID SET	26 AUGUST 2015
	ADDENDUM 2	18 SEPT. 2015

Key Plan:

Approved as to Form: Yes / CAO

Seal & Signature:

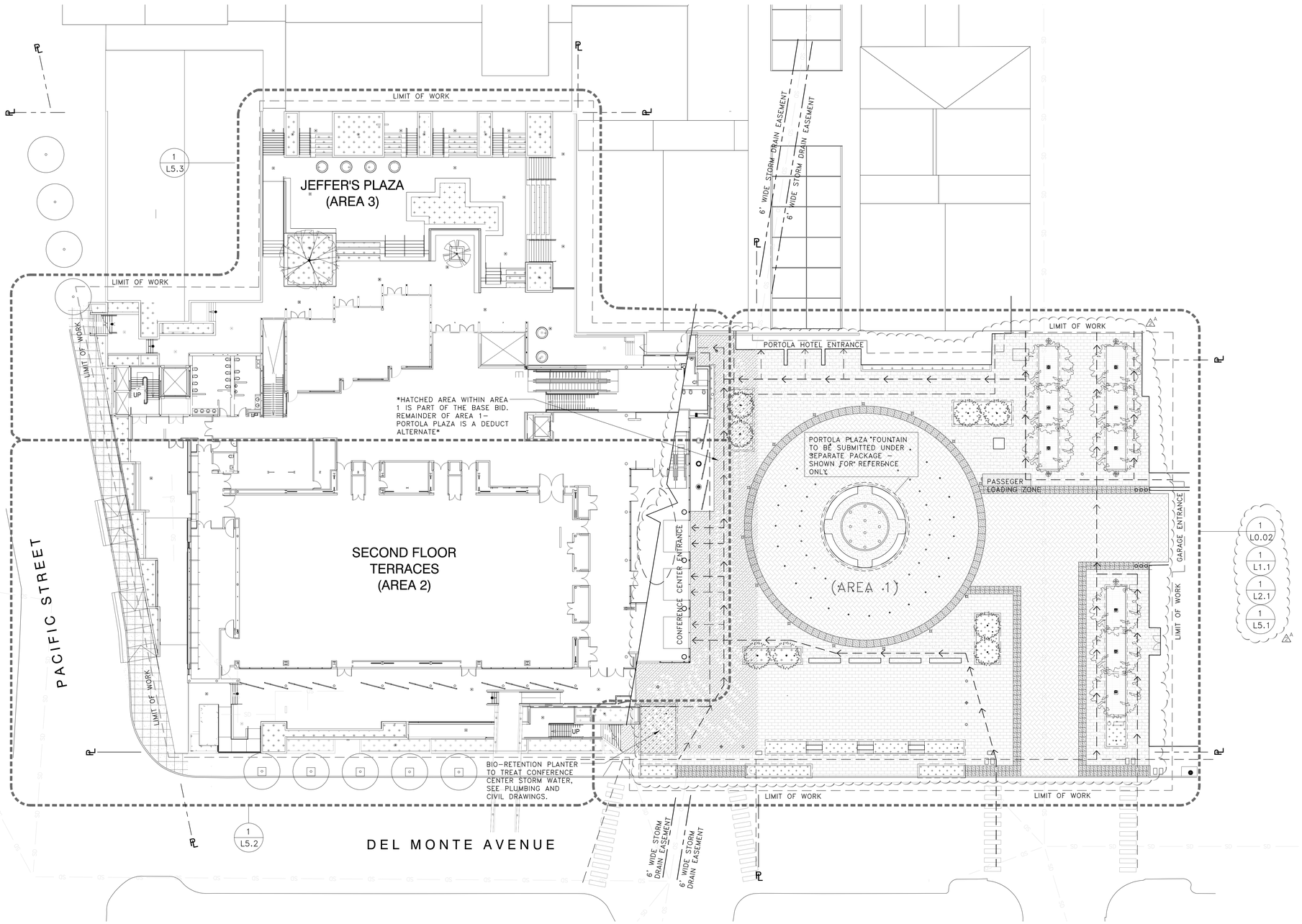
Sheet Name:

LANDSCAPE GENERAL NOTES, LEGEND, INDEX AND COA

Project No.:	Sheet No.:
215004	L0.00
Drawn By:	
Checked By:	
Scale:	

Agreement # AG-5097 - Page 364 of 429

File Name: L0.00 LANDSCAPE COVER SHEET.dwg Plotted By: Justin 09/21/2015 [Mon 5:29pm]



LEGEND

- STANDARD VEHICULAR CONCRETE WAUSAU UNIT PAVER AT PLAZA
  6" X 12" X 2 ½" COLOR: SEA 10
  FINISH: EXTERIOR TERRAZZO
  OWNER FURNISHED, CONTRACTOR INSTALLED
- STANDARD VEHICULAR CONCRETE WAUSAU UNIT PAVER AT PLAZA
  6" X 12" X 2 ½" COLOR: SEA 50
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  FINISH: STAINLESS STEEL
  S.E.D.
- REMOVABLE METAL BOLLARD
- FIXED METAL BOLLARD
- HYDRAULIC METAL BOLLARD
- E6 — POLE LIGHT — E6
- MONTEREY CITY STANDARD LIGHT
  MANUFACTURER: ARLINGTON SERIES POSTOP LUMINAIRE
  S.E.D. — E1
- E1 — CAST IRON DOMED BUTTON
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- PROPERTY LINE
- MATCHLINE
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- EXISTING ACCESSIBLE ROUTE (SLOPE UNDER 5%, CROSS PITCH UNDER 2%) GRADE BREAK
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- FF 18.05 ARCHITECTURAL FINISH FLOOR
- + (15.19) EXISTING SPOT ELEVATION
- 15.19 PROPOSED GRADE
- + 15.19 PROPOSED SPOT ELEVATION
- 15.19 PROPOSED CIVIL SPOT ELEVATION
- 2% SLOPE
- GRADE BREAK
- 15 PROPOSED CONTOUR
- AREA DRAIN IN PAVING, BRONZE HEEL PROOF GRATING
- PLANTER DRAIN — ATRIUM GRATE

0' 16' 32' 64'

LANDSCAPE KEY PLAN

SCALE: 1/16" = 1'-0"

1

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL
580 PACIFIC STREET, MONTEREY, CA 93940
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Architect:

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ONE FRONT STREET,
SAN FRANCISCO, CA 94111

Consultants:

GLS LANDSCAPE ARCHITECTURE
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415.285.3614 | glsarch.com

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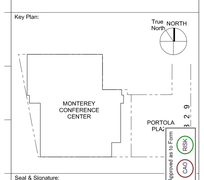
	90% PROJECT COMPLETION	28 JULY 2015
	PORTOLA PLAZA PERMIT SET	03 AUGUST 2015
	BID SET	26 AUGUST 2015
	ADDENDUM 2	18 SEPT. 2015

Key Plan:



Seal & Signature:

Sheet Name:

KEY PLAN

Project No.:	Sheet No.:
215004	L0.01
Drawn By:	
Checked By:	
Scale:	

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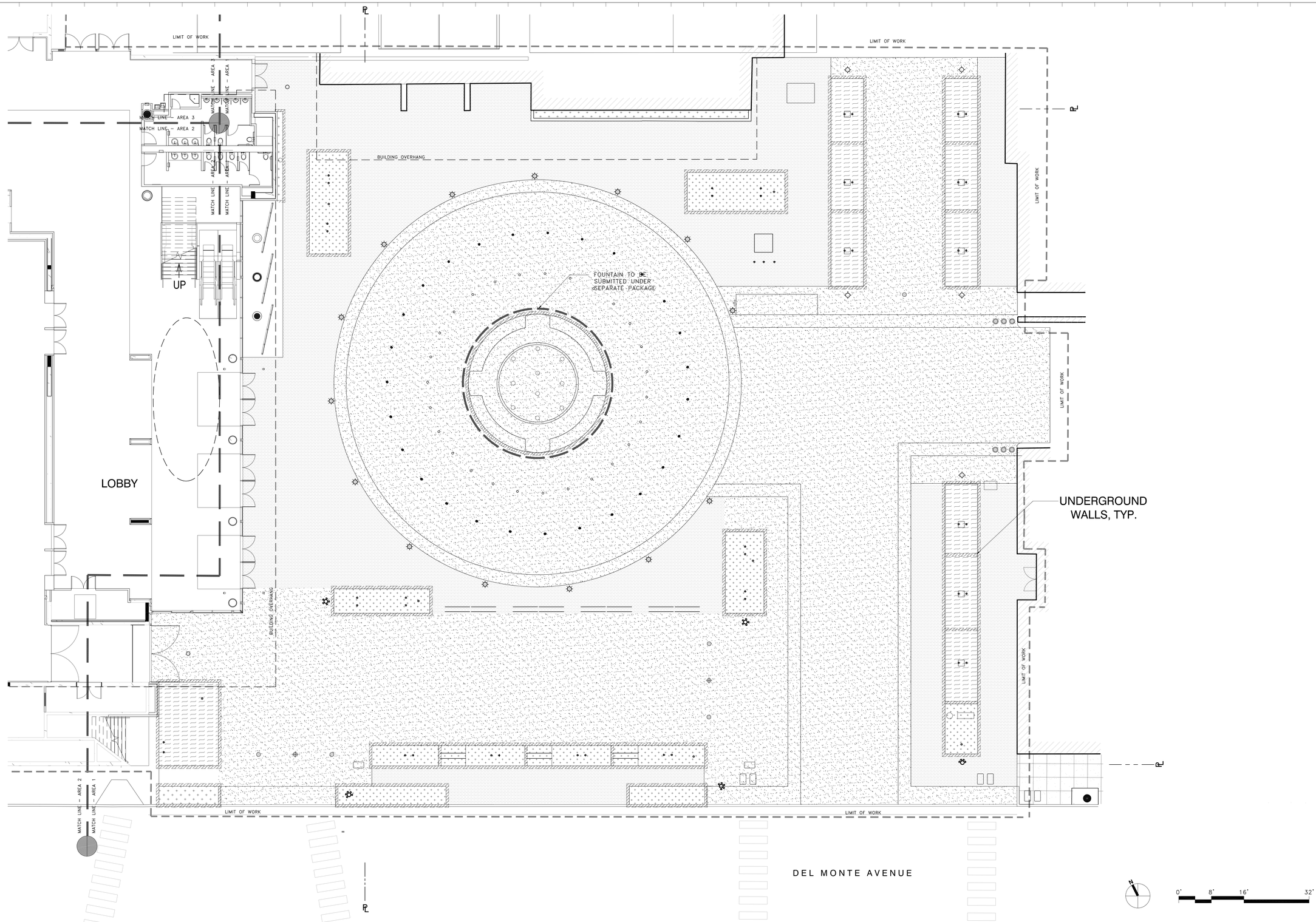
Agreement #: A-5097 - Page 364 of 429

File Name: L0.01 KEY PLAN.dwg Plotted By: Justin 09/21/2015 [Mon 5:32pm]



PORTOLA PLAZA & STREETSCAPE SOIL PREPARATION PLAN

SCALE: 1/8" = 1'-0"

1

SOIL PREPARATION LEGEND

AREA FOR UNIT PAVING TO RECEIVE HEAVY VEHICLE TRAFFIC (TRAFFIC CATEGORY IV A PER GEOTECH REPORT). PREPARE BASE AND SUB BASE PER GEOTECH REPORT.

AREA FOR UNIT PAVING TO RECEIVE STANDARD VEHICULAR TRAFFIC (TRAFFIC CATEGORY II PER GEOTECH REPORT). PREPARE BASE AND SUB BASE PER GEOTECH REPORT.

3 / L4.02 — PROVIDE IMPORT SOIL OR STOCK PILE EXISTING SOIL FOR RE-USE IN PLANTERS. TEST SOIL PER SPEC. REQUIREMENTS, INSTALL SOIL TO MINIMUM DEPTH OF 36" AND AMEND SOIL ACCORDING TO TEST RESULTS. PLANTERS SURROUNDED BY CONCRETE RETAINING WALLS, SEE 1/L4.02

1 / L4.02 — 48" DEEP BIOFILTRATION SOIL OVER 12" DEEP DRAIN ROCK SECTION PER SPECIFICATION REQUIREMENTS. TEST SOIL PRIOR TO IMPORT TO SITE AND AMEND ACCORDING TO SOIL TEST RESULTS AND RECOMMENDATIONS. SEE 3/L4.02 FOR ADDTIONAL REQUIREMENTS AT THE INFILTRATION PLANTERS

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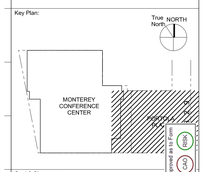
Key Plan:



Approved as to Form

Seal & Signature:

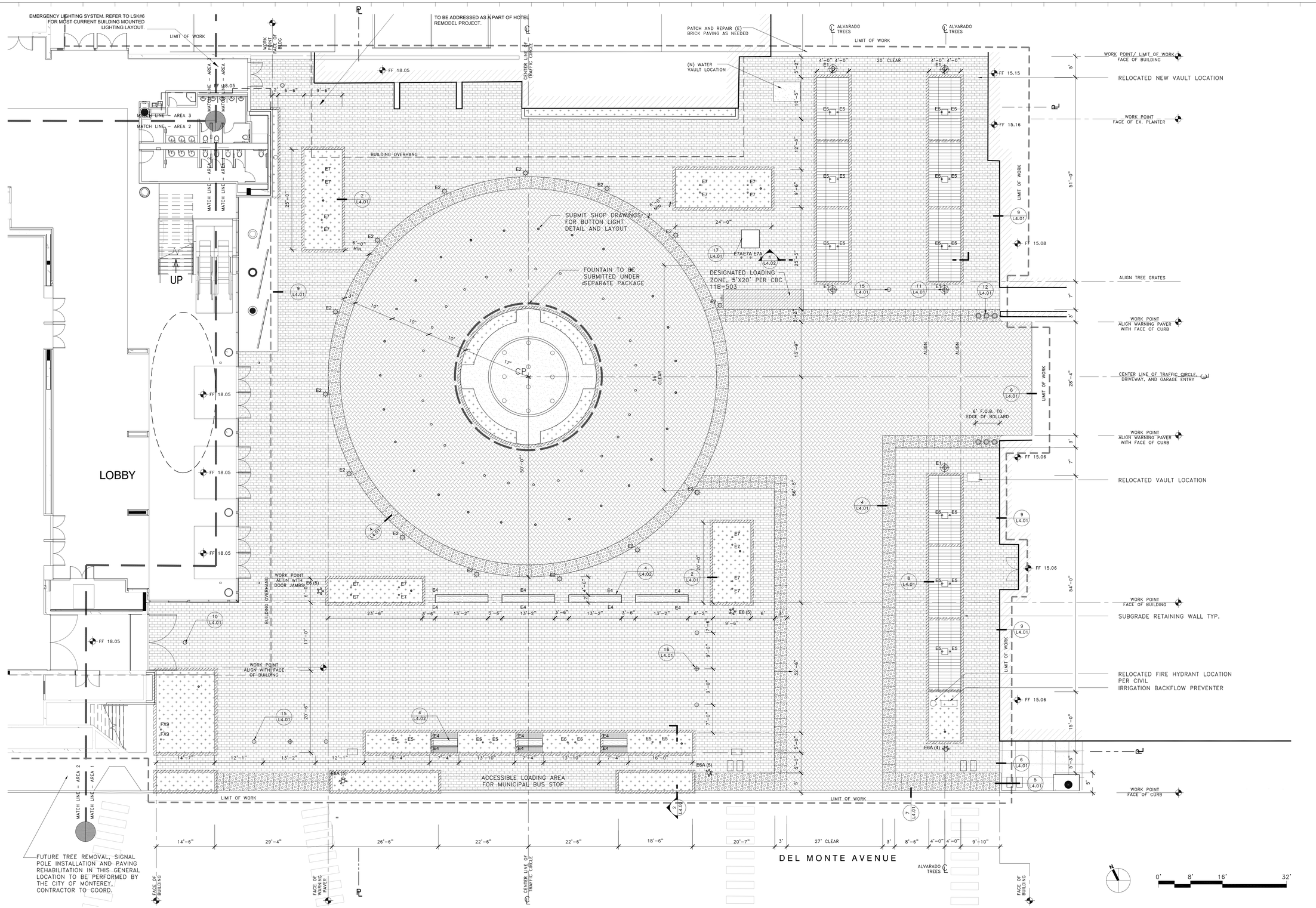
Sheet Name:

SOIL PREPARATION AND SUBGRADE RETAINING WALL PLAN - AREA 1

Project No.:	215004	Sheet No.:	L0.02
Drawn By:			
Checked By:			
Scale:	1/8" = 1'-0"		

Addendum #: Ag-5097 - Page 364

File Name: L0.02 SOIL PREP PLAN.dwg Plotted By: Justin 09/21/2015 [Mon 6:04pm]



PORTOLA PLAZA & STREETSCAPE PLAN

SCALE: 1/8" = 1'-0"

1

LEGEND

- STANDARD VEHICULAR CONCRETE WAUSAU UNIT PAVER AT PLAZA 6" X 12" X 2 ¾" COLOR: SEA 10 FINISH: EXTERIOR TERRAZZO OWNER FURNISHED, CONTRACTOR INSTALLED
- STANDARD VEHICULAR CONCRETE WAUSAU UNIT PAVER AT PLAZA 6" X 12" X 2 ¾" COLOR: SEA 50 FINISH: EXTERIOR TERRAZZO OWNER FURNISHED, CONTRACTOR INSTALLED
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- FIXED METAL BOLLARD
- HYDRAULIC METAL BOLLARD SIM.
- POLE LIGHT – E6
- MONTEREY CITY STANDARD LIGHT MANUFACTURER: ARLINGTON SERIES POSTOP LUMINAIRE S.E.D. – E1
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	BID SET	26 AUGUST 2015
	ADDENDUM 2	18 SEPT. 2015

Key Plan:
True North
MONTEREY CONFERENCE CENTER
PORTOLA PLAZA
Approved per § 5.7 Permit
Site
CHQ

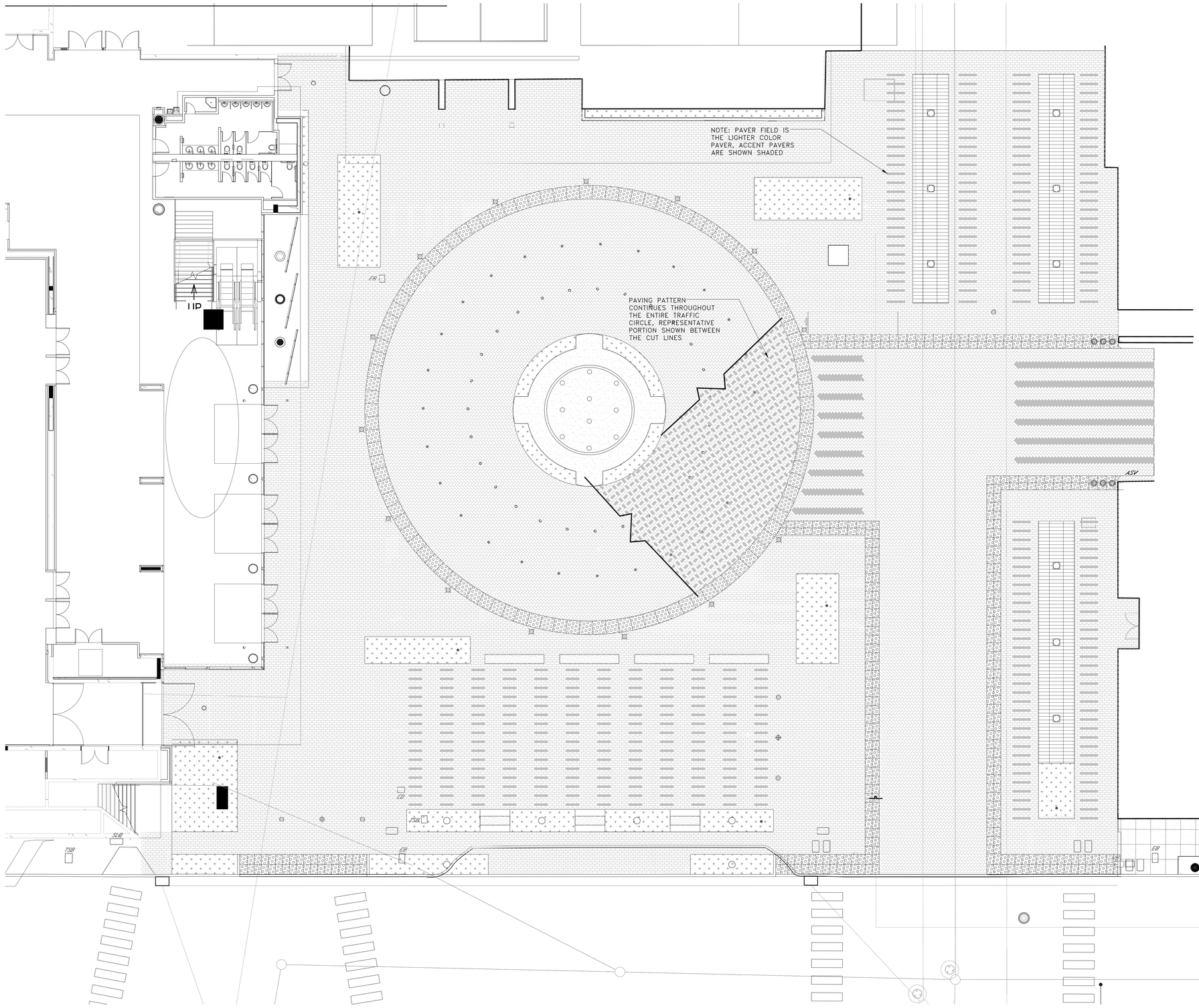
Seal & Signature:
LICENSED LANDSCAPE ARCHITECT
CRAFT · STRAW · EVANS
Signature
Nov. 30, '16
Renewal Date
STATE OF CALIFORNIA

Sheet Name:
LAYOUT AND MATERIALS PLAN - AREA 1

Project No.: 215004
Sheet No.: L1.01
Drawn By:
Checked By:
Scale: 1/8" = 1'-0"

Agreement # : Ag-5097 - Page 364

File Name: L1.01 LANDSCAPE LAYOUT PLAN.dwg Plotted By: Justin 09/21/2015 [Mon 6:13pm]



LEGEND

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- ILLUMINATED DOMED BUTTON, S.E.D. – E3
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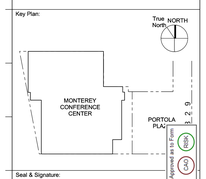


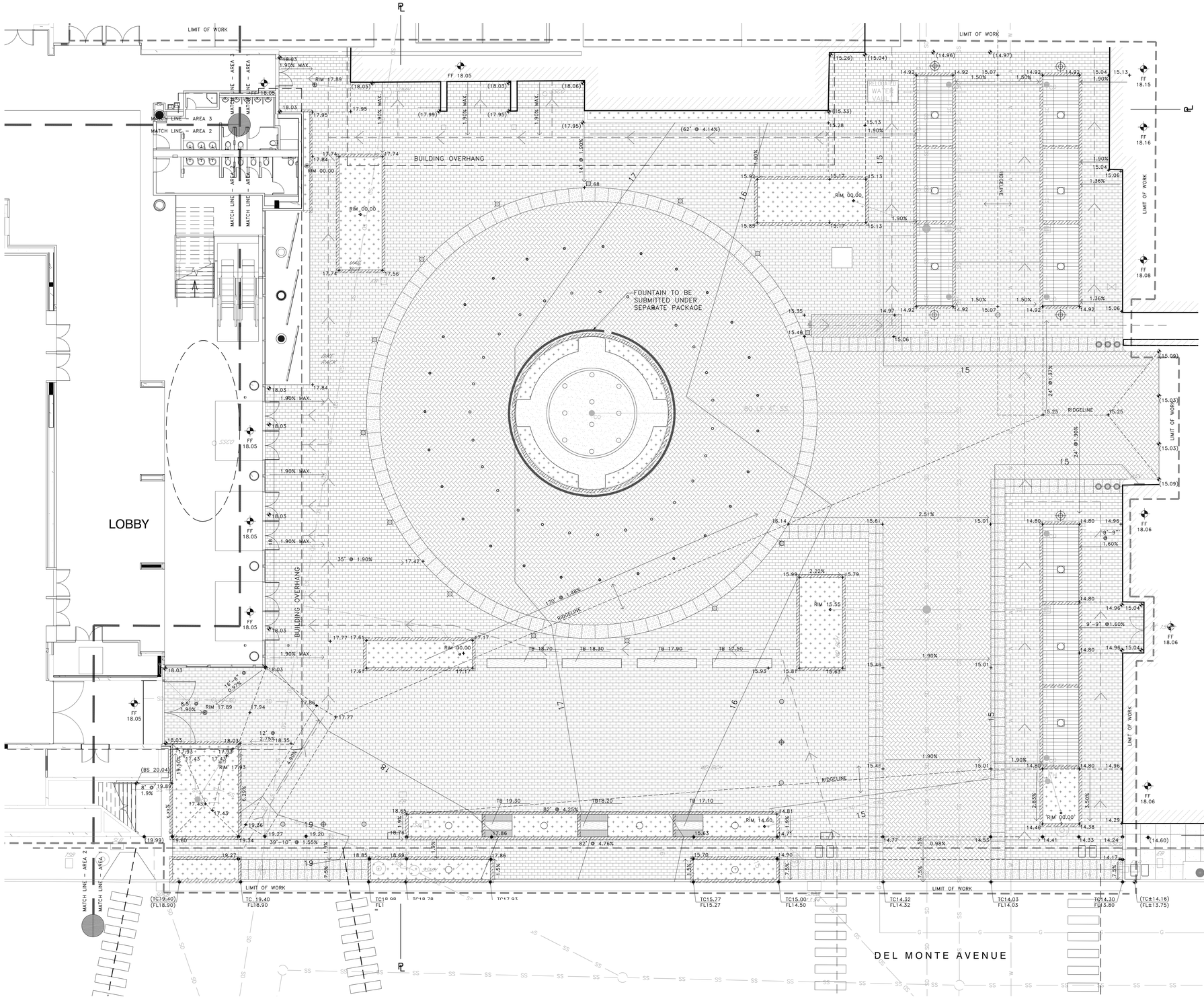
Seal & Signature:

Sheet Name:
PAVING LAYOUT AREA 1

Project No.: 215004
Drawn By:
Checked By:
Scale:
Sheet No.: L1.01 A

File Name: L1.01 A PAVING LAYOUT.dwg Plotted By: Justin 09/21/2015 [Mon 6:07pm]

Agreement #: A-5097 - Page 365 of 429



PORTOLA PLAZA & STREETSCAPE PLAN

SCALE: 1/8" = 1'-0"

1

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	ADDENDUM 2	18 SEPT. 2015

Key Plan:
True North
MONTEREY CONFERENCE CENTER
PORTOLA PLAZA

Approved as to Form

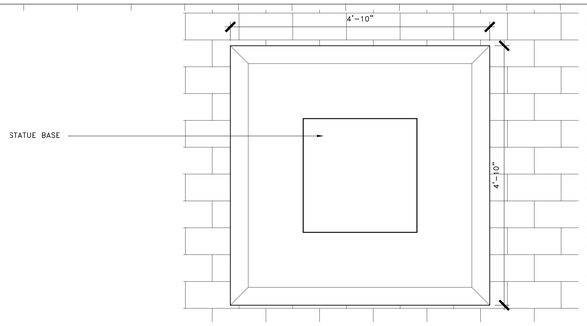
Seal & Signature:
LICENSED LANDSCAPE ARCHITECT
Signature
Nov. 30, '16
Renewal Date
STATE OF CALIFORNIA

Sheet Name:
GRADING PLAN - AREA 1
AREA 1

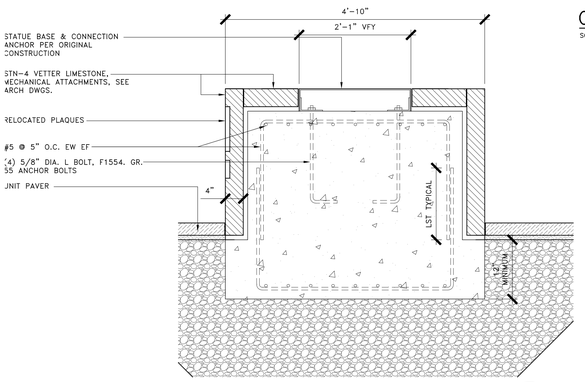
Project No.: 215004
Drawn By:
Checked By:
Scale: 1/8"=1'-0"
Sheet No.: L2.01

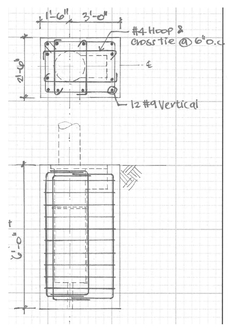
Agreement # : Ag-5097 - Page 365 of 829

File Name: L2.01 GRADING PLAN.dwg Plotted By: Justin 09/21/2015 [Mon. 6:15pm]

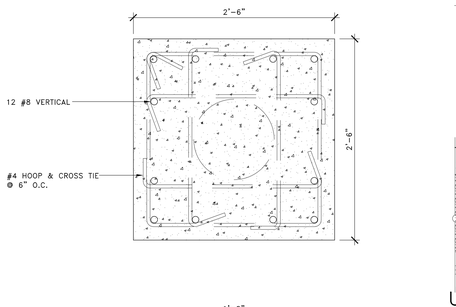


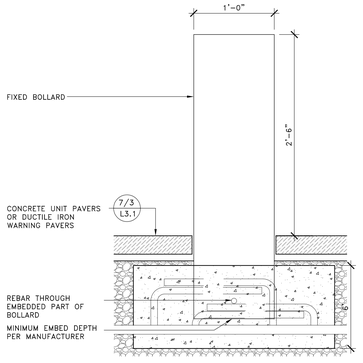
PORTOLA STATUE PLINTH
SCALE 1" = 1' — 17





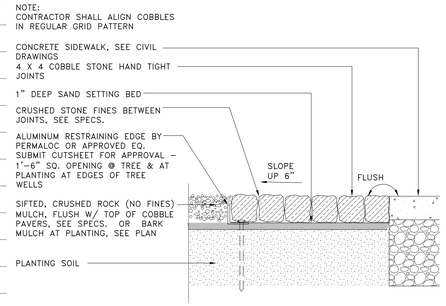
BOLLARD – PNEUMATIC
SCALE NTS — 16



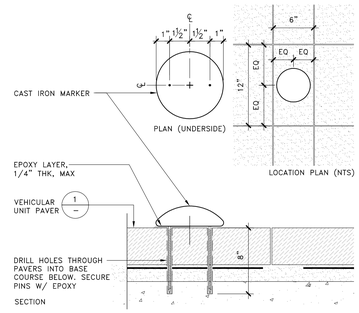


BOLLARD – FIXED
SCALE 1 1/2" = 1' — 15

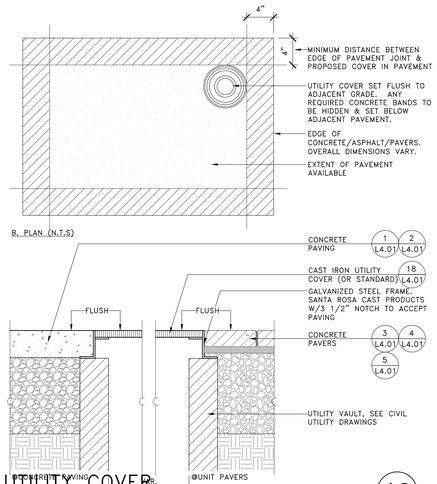
NOTE:
CONTRACTOR SHALL ALIGN COBBLES IN REGULAR GRID PATTERN



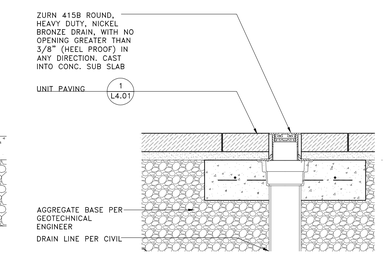
COBBLES AT PLANTER
SCALE 1 1/2" = 1' — 14



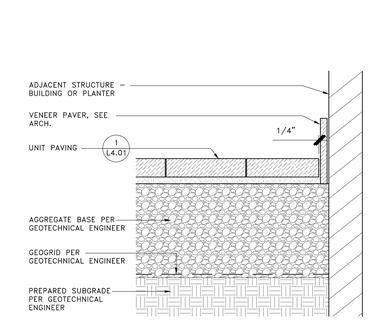
PAVEMENT DOT
SCALE 3" = 1' — 13



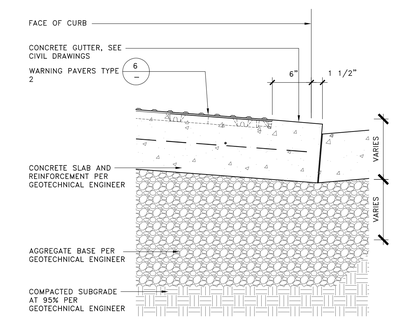
UTILITY COVER
SCALE 1 1/2" = 1' — 12



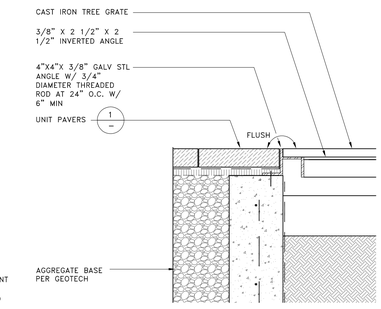
AREA DRAIN IN UNIT PAVING
SCALE 1 1/2" = 1' — 10



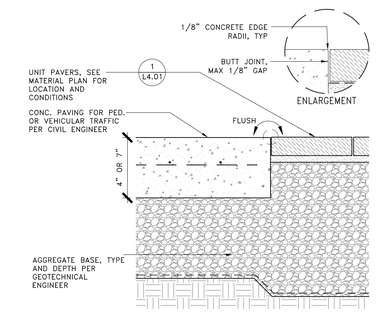
UNIT PAVER AT BUILDING
SCALE 1 1/2" = 1' — 9



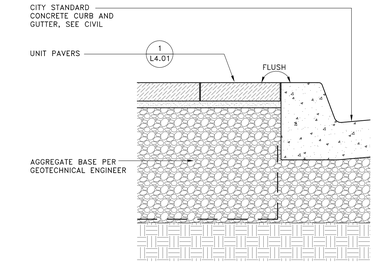
WARNING PAVER AT APRON
SCALE 1 1/2" = 1' — 7



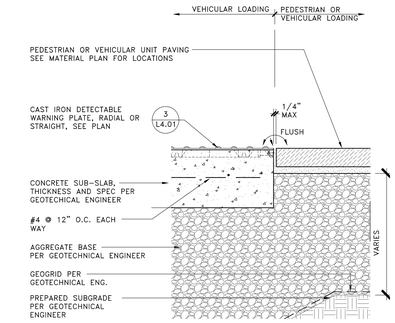
UNIT PAVER AT TREE GRATE
SCALE 1 1/2" = 1' — 8



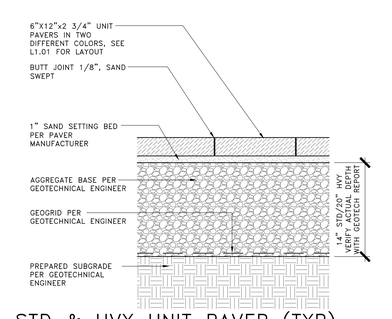
UNIT PAVER AT CONCRETE
SCALE 1 1/2" = 1' — 6



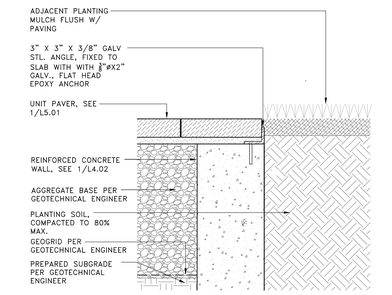
UNIT PAVERS AT CURB
SCALE 1 1/2" = 1' — 5



UNIT PAVING AT WARNING PAVERS
SCALE 1 1/2" = 1' — 4



WARNING PAVERS
SCALE 1 1/2" = 1' — 3



UNIT PAVER AT PLANTING
SCALE 1 1/2" = 1' — 2

STD & HVY UNIT PAVER (TYP)
SCALE 1 1/2" = 1' — 1

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL
580 PACIFIC STREET, MONTEREY, CA 93940
TEL: (831) 646-5601

Architect:
SOM
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

Consultants:
GLS LANDSCAPE ARCHITECTURE
2677 Mission Street, No. 203
San Francisco, CA 94110-3105
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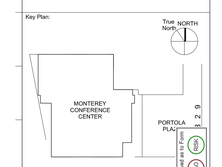
No.	Description:	Date:
	60% PROJECT COMPLETION	15 MAY 2015
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	PORTOLA PLAZA PERMIT SET	03 AUGUST 2015
	BID SET	26 AUGUST 2015
	ADDENDUM 2	18 SEPT. 2015

Key Plan:



Approved as to Form
City Attorney
Date

Seal & Signature:

LICENSED LANDSCAPE ARCHITECT
MARY E. STRAND #2524
Signature
Non. 30, '16
Renewal Date
Date
STATE OF CALIFORNIA

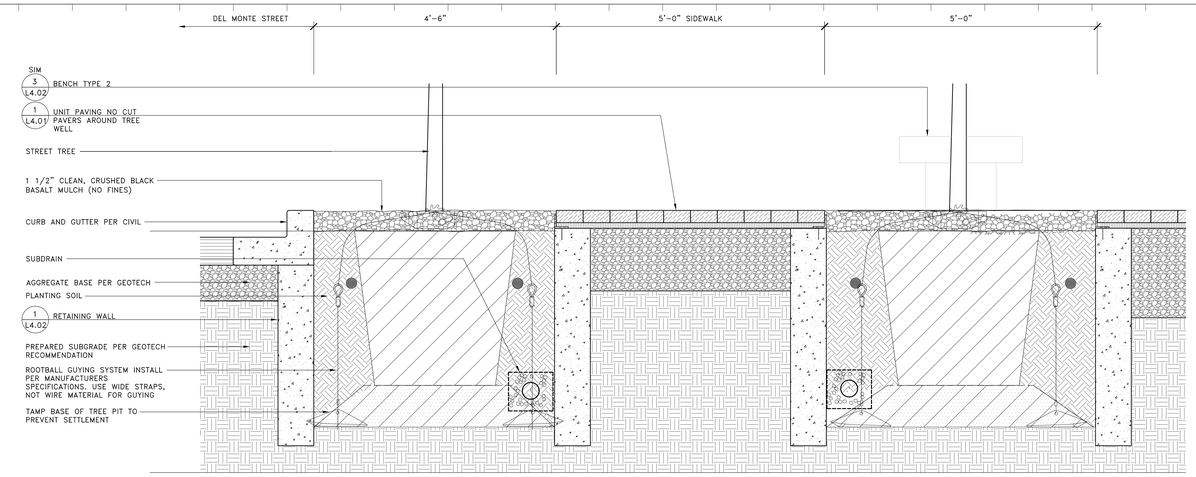
Sheet Name:

LANDSCAPE DETAILS

Project No.:	Sheet No.:
215004	L4.01
Drawn By:	
Checked By:	
Scale: AS SHOWN	

Agreement #: Ag-5097 - page 365 of 429

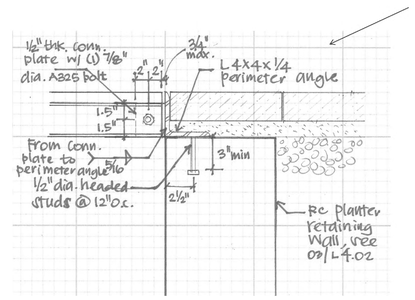
File Name: L4.01 DETAILS.dwg Plotted By: Justin (09/21/2015 (Mon 5:46pm)



PLANTING AT DEL MONTE

SCALE 1" = 1'

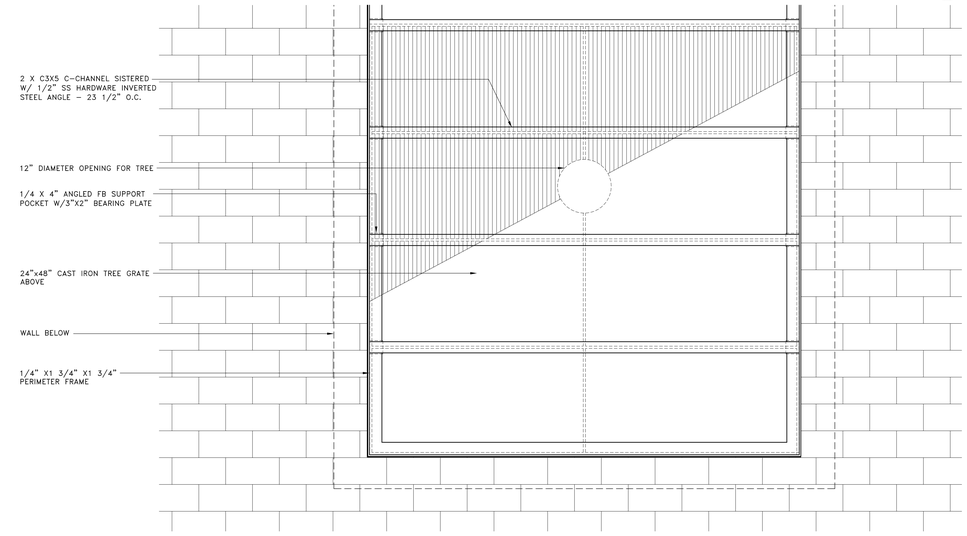
3



TREE GRATE PERIMETER DETAIL

SCALE 1 19/32" = 1'

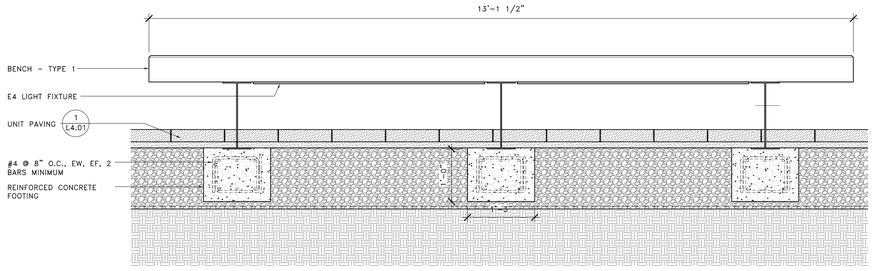
6



TREE GRATE FRAMING @ BIORETENTION BASIN

SCALE 1" = 1'

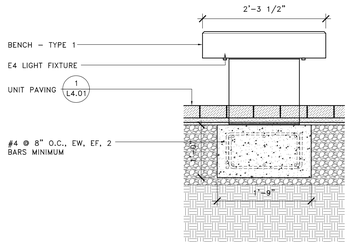
2



BENCH TYPE 1 – LONGITUDINAL SECTION

SCALE 1" = 1'

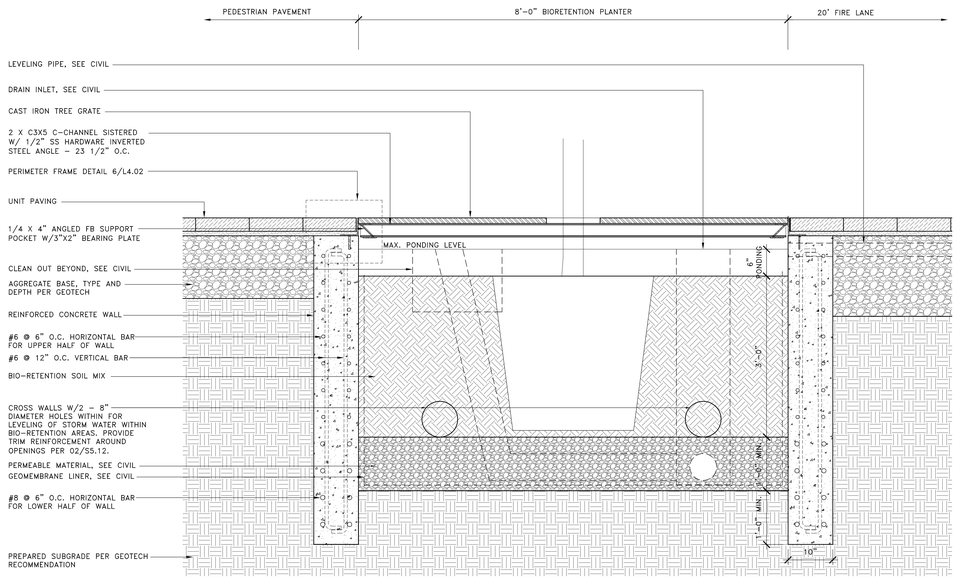
5



BENCH TYPE 1 – SECTION

SCALE 1" = 1'

4



BIORETENTION BASIN & PLANTING

SCALE 1" = 1'

1

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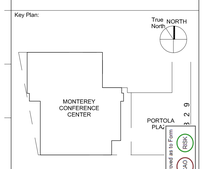
	BID SET	26 AUGUST 2015
	ADDENDUM 2	18 SEPT. 2015

Key Plan:



Approved as to Form: City Attorney Date

Seal & Signature:

LICENSED LANDSCAPE ARCHITECT
GREGORY T. STARKS #5097
Signature
Nov. 30, 16
Renewal Date
Date
STATE OF CALIFORNIA

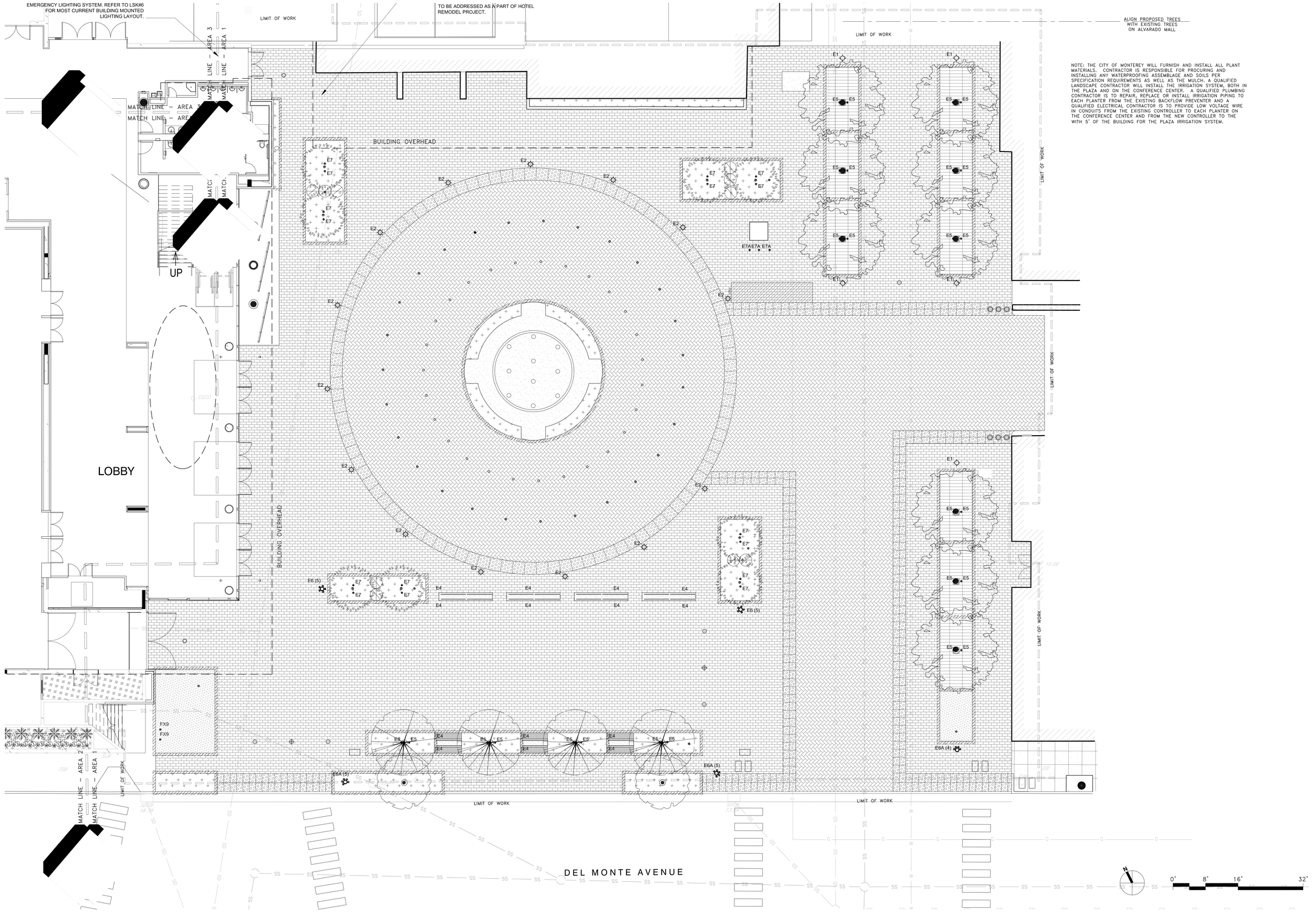
Sheet Name:

LANDSCAPE DETAILS

Project No.: 215004
Drawn By:
Checked By:
Scale:
Sheet No.: L4.02

Agreement #: Ag-5097 - Page 395 of 429

File Name: L4.02 DETAILS.dwg Plotted By: Justin 09/21/2015 [Mon. 5:51pm]



PORTOLA PLAZA PLANTING PLAN

SCALE: 1/8" = 1'-0"

1

PLANTING LEGEND

- GROUNDCOVER AND SHRUBS AT PLAZA
  DIANELLA CAERULEA 1 GAL. 12" O.C.
  OPHIOPOGON JAPONICA 1 GAL. 6" O.C.
  AMMEND SOIL TO 36" MIN
- MISCANTHUS TRANSMORRISONENSIS
  1 GAL. 2' O.C.
- GROUNDCOVER AND SHRUBS AT DEL MONTE
  RUBUS PENTALOBUS 1 GAL. 8" O.C
  NEW SOIL SEE SPEC AND DETAIL.
- GROUNDCOVER AND SHRUBS AT PACIFIC STREET
  RUBUS PENTALOBUS 1 GAL., 8" O.C
  NEW SOIL SEE SPEC AND DETAIL.
- GROUNDCOVER AND SHRUBS AT JEFFERS TERRACE
  SESLERIA CAERULEA 1 GAL. 8" O.C
  OPHIOPOGON JAPONICUS 'NANA' 1 GAL. 12" O.C.
  PHORMIUM 'ALISON BLACKMAN' 5 GAL. 24" O.C.
  OLEA EUROPAEA 'LITTLE OLLIE' 5 GAL. 24" O.C.
  AGAVE ATTENUATA 15 GAL.
  NEW SOIL SEE SPEC AND DETAIL.
- GROUNDCOVER AT JEFFERS TERRACE STAIRS
  SESLERIA CAERULEA 8" O.C
  OPHIOPOGON JAPONICUS 'NANA' 12" O.C.
  NEW SOIL SEE SPEC AND DETAIL.
- AREA DRAIN – COORDINATE WITH CIVIL
- PHORMIUM TENAX VARIEGATUM AT PLAZA
  15 GAL. (9)
- MYRICA CALIFORNICA
  24" BOX 24" O.C.
- GARRY ELLIPTICA
  24" BOX 24" O.C.
- ROSMARINUS OFFICINALIS 'IRENE'
  5 GAL. 12" O.C.
- RHAMNUS CALIFORNICA 'EVE CASE'
  24" BOX. 24" O.C.
- AGAVE ATTENUATA
  15 GAL. 24" O.C.
- KNIPHOFIA
  15 GAL. 24" O.C.
- ANIGOZANTHOS
  5 GAL. 24" O.C.
- OLEA EUROPEA 'LITTLE OLLIE'
  15 GAL. 24" O.C.
- PHORMIUM 'ALISON BLACKMAN'
  5 GAL. 24" O.C.
- ACER PALMATUM AT PLAZA
  JAPANESE MAPLE OR
  MYRICA CALIFORNICA
  PACIFIC WAX MYRTLE OR
  CEANOTHUS 'RAY HARTMAN'
  36" BOX (10)
- ROBINIA 'PURPLE ROBE' OR ACER RUBRUM BLACK LOCUST OR RED MAPLE AT ALVARADO MALL 48" BOX (10)
- GINGKO BILOBA
  AT DEL MONTE
  MAIDENHAIR 'SARATOGA' (LOW WU)
  48 " BOX (2)
- TRISTANIA CONFERTA
  AT DEL MONTE
  BRISBANE BOX (MEDIUM WU)
  48" BOX (4)
- OLEA EUROPEA
  AT JEFFERS TERRACE
  EUROPEAN OLIVE
  24" BOX (3)
- PINUS PINEA
  AT JEFFERS TERRACE
  STONE PINE
  48"BOX (2)
- PROPERTY LINE
- MATCHLINE
- LIMIT OF WORK
- EXISTING STREET TREE TO REMAIN

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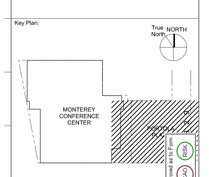


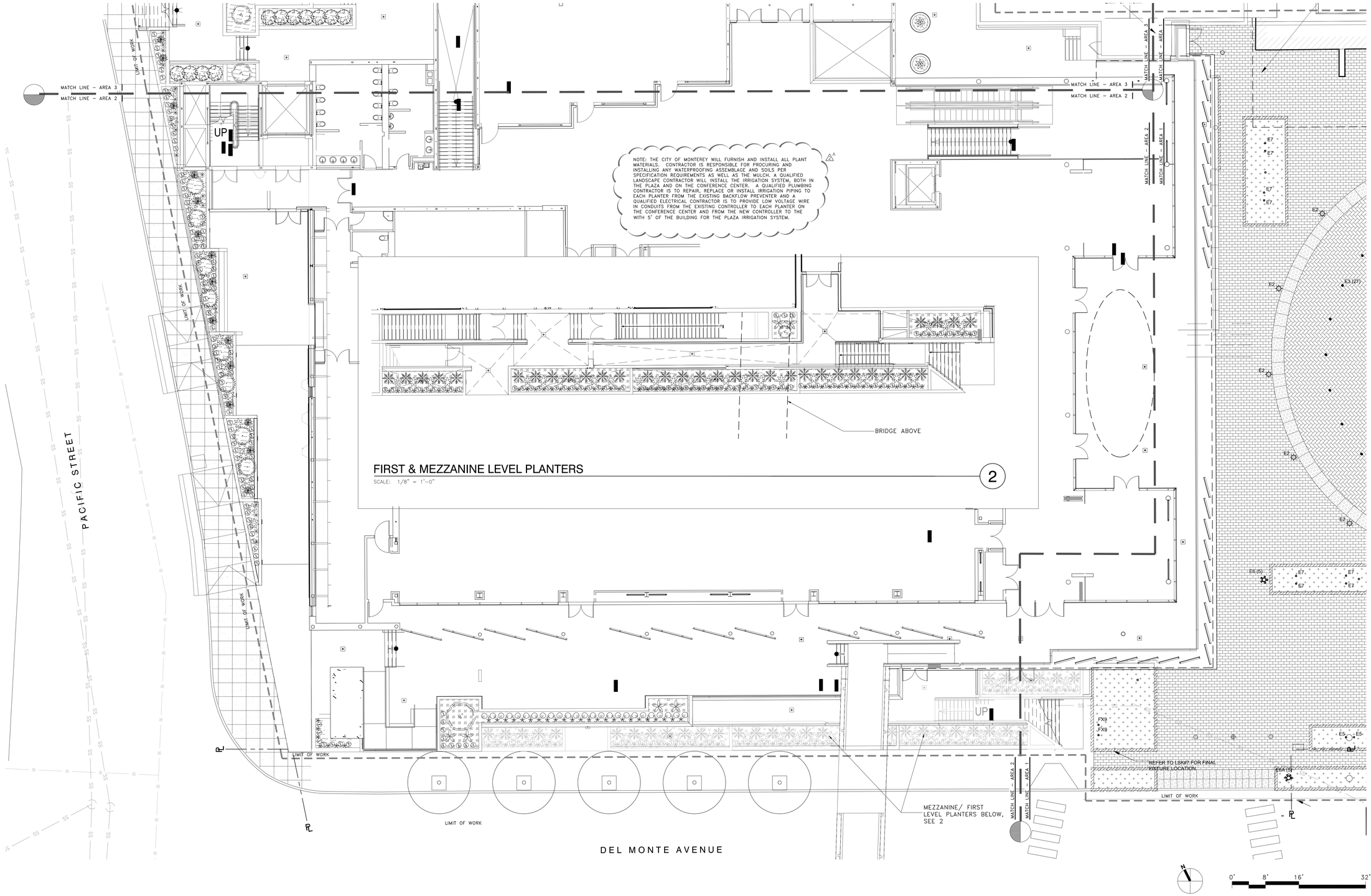
Seal & Signature:

Sheet Name:
PLANTING PLAN - AREA 1

Project No.:	215004	Sheet No.:	L5.01
Drawn By:			
Checked By:			
Scale:	1/8"=1'-0"		

File Name: L5.0 Planting Plan.dwg Plotted By: Justin 09/21/2015 [Mon 6:22pm]

Agreement #: A9-5097 - Page 365



FIRST & MEZZANINE LEVEL PLANTERS

SCALE: 1/8" = 1'-0"

2

2ND LEVEL TERRACES & PLANTERS

SCALE: 1/8" = 1'-0"

1

PLANTING LEGEND

- GROUNDCOVER AND SHRUBS AT PLAZA
  DIANELLA CAERULEA 1 GAL. 12" O.C.
  OPHIOPOGON JAPONICA 1 GAL. 6" O.C.
  AMMEND SOIL TO 36" MIN
- MISCANTHUS TRANSMORRISONENSIS
  1 GAL. 2' O.C.
- GROUNDCOVER AND SHRUBS AT DEL MONTE
  BACOPA 'BLUE'
  NEW SOIL SEE SPEC AND DETAIL.
- GROUNDCOVER AND SHRUBS AT PACIFIC STREET
  RUBUS PENTALOBUS 1 GAL., 8" O.C
  NEW SOIL SEE SPEC AND DETAIL.
- GROUNDCOVER AND SHRUBS AT JEFFERS TERRACE
  SEDUM TYPE 1
  1 GAL. 10" O.C.
  SEDUM TYPE 2
  1 GAL. 10" O.C.
  NEW SOIL SEE SPEC AND DETAIL.
- GROUNDCOVER AT JEFFERS TERRACE STAIRS
  DYMONDIA MARGARETAE
  4" POTS 8: O.C.
  NEW SOIL SEE SPEC AND DETAIL.
- MISCANTHUS TRANSMORRISONENSIS
  1 GAL. 2' O.C.
- AREA DRAIN – COORDINATE WITH CIVIL
- MYRICA CALIFORNICA
  48" BOX
- OLEA EUROPEA 'LITTLE OLLIE'
  15 GAL. 24" O.C.
- GARRY ELLIPTICA 'JAMES ROOF'
  15 GAL.
- CEANOTHUS 'RAY HARTMAN
  15 GAL.
- PHORMIUM TENAX VARIEGATUM AT PLAZA
  15 GAL. (9)
- FURCRAEA FOETIDA
  15 GAL.
- AGAVE PARRYI
  15 GAL.
- AGAVE ATTENUATA
  5 GAL.
- BAMBUSA OLDHAMII
  15 GAL. 24" O.C.
- ANIGOZANTHOS
  1 GAL. 24" O.C.
- ALOE ARBORESCENS
  5 GAL.
- ROSMARINUS OFFICINALIS 'IRENE'
  1 GAL. 12" O.C.
- DIERAMA PULCHERRIMUM
  1 GAL. 12" O.C.
- TRAILING SUCCULENT TBD
  1 GAL. 12" O.C.
- ACER PALMATUM AT PLAZA
  JAPANESE MAPLE OR
  MYRICA CALIFORNICA
  PACIFIC WAX MYRTLE OR
  CEANOTHUS 'RAY HARTMAN'
  36" BOX (10)
- ROBINIA 'PURPLE ROBE'
  OR ACER RUBRUM
  BLACK LOCUST OR RED MAPLE
  AT ALVARADO MALL
  48" BOX (10)
- GINGKO BILOBA
  AT DEL MONTE
  MAIDENHAIR 'SARATOGA' (LOW WU)
  48 " BOX (2)
- TRISTANIA CONFERTA
  AT DEL MONTE
  BRISBANE BOX (MEDIUM WU)
  48" BOX (4)
- LAVATERA ARBOREA
  AT JEFFERS TERRACE
  TREE MALLOW
  24" BOX (1)
- SCHINUS MOLLE
  AT JEFFERS TERRACE
  SPECIMENT PEPPER
  6" CALIPER (1)
- EXISTING STREET TREE TO REMAIN
- PROPERTY LINE
- MATCHLINE
- LIMIT OF WORK

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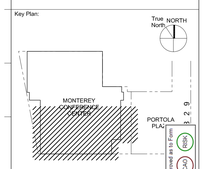
	ADDENDUM 2	18 SEPT. 2015

Key Plan:


Seal & Signature:
LICENSED LANDSCAPE ARCHITECT
JAMES F. STRAND
Signature
Nov. 30, '16
Renewal Date
DATE
STATE OF CALIFORNIA

Sheet Name:
PLANTING PLAN - AREA 2

Project No.: 215004
Drawn By:
Checked By:
Scale: 1/8"=1'-0"
Sheet No.: L5.02

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File Name: L5.02 PLANTING PLAN.dwg Plotted By: Justin 09/21/2015 [Mon 6:24pm]

NOTE: THE CITY OF MONTEREY WILL FURNISH AND INSTALL ALL PLANT MATERIALS. CONTRACTOR IS RESPONSIBLE FOR PROCURING AND INSTALLING ANY WATERPROOFING ASSEMBLAGE AND SOILS PER SPECIFICATION REQUIREMENTS AS WELL AS THE MULCH. A QUALIFIED LANDSCAPE CONTRACTOR WILL INSTALL THE IRRIGATION SYSTEM, BOTH IN THE PLAZA AND ON THE CONFERENCE CENTER. A QUALIFIED PLUMBING CONTRACTOR IS TO REPAIR, REPLACE OR INSTALL IRRIGATION PIPING TO EACH PLANTER FROM THE EXISTING BACKFLOW PREVENTER AND A QUALIFIED ELECTRICAL CONTRACTOR IS TO PROVIDE LOW VOLTAGE WIRE IN CONDUITS FROM THE EXISTING CONTROLLER TO EACH PLANTER ON THE CONFERENCE CENTER AND FROM THE NEW CONTROLLER TO THE WITH 5' OF THE BUILDING FOR THE PLAZA IRRIGATION SYSTEM.

LIMIT OF WORK

LIMIT OF WORK

LIMIT OF WORK

LIMIT OF WORK

MATCH LINE – AREA 3
MATCH LINE – AREA 2

MATCH LINE – AREA 3
MATCH LINE – AREA 1

ALL FXS AND 2X2 EXTERIOR BUILDING MOUNTED FIXTURES IN THIS AREA TO BE CONNECTED TO EMERGENCY LIGHTING SYSTEM. REFER TO LSK#6 FOR MOST CURRENT BUILDING MOUNTED LIGHTING LAYOUT.

LIMIT OF WORK

MATCH LINE – AREA 3
MATCH LINE – AREA 2

MATCH LINE – AREA 2
MATCH LINE – AREA 1

MATCH LINE – AREA 3
MATCH LINE – AREA 1

UP

E7
E7
E7
E7
E7
E2

STEINBECK
PRE-FUNCTION
NORTH

0' 8' 16' 32'

JEFFERS PLAZA & 2ND LEVEL PLANTERS

SCALE: 1/8" = 1'-0"

1

PLANTING LEGEND

- GROUNDCOVER AND SHRUBS AT PLAZA
  DIANELLA CAERULEA 1 GAL. 12" O.C.
  OPHIOPOGON JAPONICA 1 GAL. 6" O.C.
  AMMEND SOIL TO 36" MIN
- MISCANTHUS TRANSMORRISONENSIS
  1 GAL. 2' O.C.
- GROUNDCOVER AND SHRUBS AT DEL MONTE BACOPA 'BLUE'
  NEW SOIL SEE SPEC AND DETAIL.
- GROUNDCOVER AND SHRUBS AT PACIFIC STREET RUBUS PENTALOBUS 1 GAL., 8" O.C
  NEW SOIL SEE SPEC AND DETAIL.
- GROUNDCOVER AND SHRUBS AT JEFFERS TERRACE
  SEDUM TYPE 1
  1 GAL. 10" O.C.
  SEDUM TYPE 2
  1 GAL. 10" O.C.
  NEW SOIL SEE SPEC AND DETAIL.
- GROUNDCOVER AT JEFFERS TERRACE STAIRS
  DYMONDIA MARGARETAE
  4" POTS 8: O.C.
  NEW SOIL SEE SPEC AND DETAIL.
- MISCANTHUS TRANSMORRISONENSIS
  1 GAL. 2' O.C.
- AREA DRAIN – COORDINATE WITH CIVIL
- MYRICA CALIFORNICA
  48" BOX
- OLEA EUROPEA 'LITTLE OLLIE'
  15 GAL. 24" O.C.
- GARRY ELLIPTICA 'JAMES ROOF'
  15 GAL.
- CEANOTHUS 'RAY HARTMAN
  15 GAL.
- PHORMIUM TENAX VARIEGATUM AT PLAZA
  15 GAL. (9)
- FURCRAEA FOETIDA
  15 GAL.
- AGAVE PARRYI
  15 GAL.
- AGAVE ATTENUATA
  5 GAL.
- BAMBUSA OLDHAMII
  15 GAL. 24" O.C.
- ANIGOZANTHOS
  1 GAL. 24" O.C.
- ALOE ARBORESCENS
  5 GAL.
- ROSMARINUS OFFICINALIS 'IRENE'
  1 GAL. 12" O.C.
- DIERAMA PULCHERRIMUM
  1 GAL. 12" O.C.
- TRAILING SUCCULENT TBD
  1 GAL. 12" O.C.
- ACER PALMATUM AT PLAZA
  JAPANESE MAPLE OR
  MYRICA CALIFORNICA
  PACIFIC WAX MYRTLE OR
  CEANOTHUS 'RAY HARTMAN'
  36" BOX (10)
- ROBINIA 'PURPLE ROBE'
  OR ACER RUBRUM
  BLACK LOCUST OR RED MAPLE
  AT ALVARADO MALL
  48" BOX (10)
- GINGKO BILOBA
  AT DEL MONTE
  MAIDENHAIR 'SARATOGA' (LOW WU)
  48 " BOX (2)
- TRISTANIA CONFERTA
  AT DEL MONTE
  BRISBANE BOX (MEDIUM WU)
  48" BOX (4)
- LAVATERA ARBOREA
  AT JEFFERS TERRACE
  TREE MALLOW
  24" BOX (1)
- SCHINUS MOLLE
  AT JEFFERS TERRACE
  SPECIMENT PEPPER
  6" CALIPER (1)
- EXISTING STREET TREE TO REMAIN
- PROPERTY LINE
- MATCHLINE
- LIMIT OF WORK

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL
580 PACIFIC STREET, MONTEREY, CA 93940
TEL: (831) 646-5601

Architect:

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SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

Consultants:

GLS LANDSCAPE ARCHITECTURE
2677 Mission Street, No. 200
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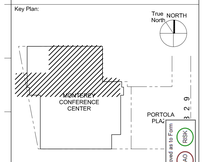
Issued For:

No.:	Description:	Date:
	60% PROJECT COMPLETION	15 MAY 2015
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	PORTOLA PLAZA PERMIT SET	03 AUGUST 2015
	BID SET	26 AUGUST 2015
	ADDENDUM 2	18 SEPT. 2015

Key Plan:



Approved as to Form
Date
City Attorney

Seal & Signature:

Sheet Name:

PLANTING PLAN - AREA 3
AREA 3

Project No.: 215004
Drawn By:
Checked By:
Scale: 1/8"=1'-0"
Sheet No.: L5.03

Agreement # Ag-5097 - Page 365

File Name: L5.03 PLANTING PLAN.dwg Plotted By: Justin (09/21/2015 (Mon 6:25pm)

IRRIGATION NOTES

1. THESE IRRIGATION DRAWINGS ARE DIAGRAMMATIC AND INDICATIVE OF THE WORK TO BE INSTALLED. ALL PIPING, VALVES, AND OTHER IRRIGATION COMPONENTS MAY BE SHOWN WITHIN PAVED AREAS FOR GRAPHIC CLARITY ONLY AND ARE TO BE INSTALLED WITHIN PLANTING AREAS. DUE TO THE SCALE OF THE DRAWINGS, IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, FITTINGS, SLEEVES, CONDUIT, AND OTHER ITEMS WHICH MAY BE REQUIRED. INVESTIGATE THE STRUCTURAL AND FINISHED CONDITION AFFECTING THE CONTRACT WORK INCLUDING OBSTRUCTIONS, GRADE DIFFERENCES OR AREA DIMENSIONAL DIFFERENCES. IN THE EVENT OF FIELD DISCREPANCY WITH CONTRACT DOCUMENTS, PLAN THE INSTALLATION WORK ACCORDINGLY BY NOTIFICATION AND APPROVAL OF THE OWNER'S AUTHORIZED REPRESENTATIVE AND ACCORDING TO THE CONTRACT SPECIFICATIONS. NOTIFY AND COORDINATE IRRIGATION CONTRACT WORK WITH APPLICABLE CONTRACTORS FOR THE LOCATION AND INSTALLATION OF PIPE, CONDUIT OR SLEEVES THROUGH OR UNDER WALLS, ROADWAYS, PAVING AND STRUCTURES BEFORE CONSTRUCTION. IN THE EVENT THESE NOTIFICATIONS ARE NOT PERFORMED, THE CONTRACTOR ASSUMES FULL RESPONSIBILITY FOR REQUIRED REVISIONS.

2. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES, STANDARDS, AND REGULATIONS. ALL WORK AND MATERIALS SHALL BE IN FULL ACCORDANCE WITH THE LATEST RULES AND REGULATIONS OF THE NATIONAL ELECTRIC CODE; THE UNIFORM PLUMBING CODE, PUBLISHED BY THE WESTERN PLUMBING OFFICIALS ASSOCIATION; AND OTHER STATE OR LOCAL LAWS OR REGULATIONS. NOTHING IN THESE DRAWINGS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES OR REGULATIONS. THE CONTRACTOR SHALL FURNISH WITHOUT ANY EXTRA CHARGE, ANY ADDITIONAL MATERIAL AND LABOR WHEN REQUIRED BY THE COMPLIANCE WITH THESE CODES AND REGULATIONS.

3. THE CONTRACTOR SHALL COORDINATE INSTALLATION OF IRRIGATION SYSTEM WITH LAYOUT AND INSTALLATION OF THE PLANT MATERIALS TO INSURE THAT THERE WILL BE COMPLETE AND UNIFORM IRRIGATION COVERAGE OF PLANTING IN ACCORDANCE WITH THESE DRAWINGS, AND CONTRACT DOCUMENTS. THE IRRIGATION LAYOUT SHALL BE CHECKED BY THE CONTRACTOR AND OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO CONSTRUCTION TO DETERMINE IF ANY CHANGES, DELETIONS, OR ADDITIONS ARE REQUIRED. IRRIGATION SYSTEM SHALL BE INSTALLED AND TESTED PRIOR TO INSTALLATION OF PLANT MATERIAL.

4. THE INTENT OF THIS IRRIGATION SYSTEM IS TO PROVIDE THE MINIMUM AMOUNT OF WATER REQUIRED TO SUSTAIN GOOD PLANT HEALTH.

5. IT IS THE RESPONSIBILITY OF THE MAINTENANCE CONTRACTOR AND/OR OWNER TO PROGRAM THE IRRIGATION CONTROLLER(S) TO PROVIDE THE MINIMUM AMOUNT OF WATER NEEDED TO SUSTAIN GOOD PLANT HEALTH. THIS INCLUDES MAKING ADJUSTMENTS TO THE PROGRAM FOR SEASONAL WEATHER CHANGES, PLANT MATERIAL, WATER REQUIREMENTS, MOUNDS, SLOPES, SUN, SHADE AND WIND EXPOSURE.

6. IT IS THE RESPONSIBILITY OF A LICENSED ELECTRICAL CONTRACTOR TO PROVIDE 120 VOLT A.C. (2.5 AMP DEMAND PER CONTROLLER) ELECTRICAL SERVICE TO THE CONTROLLER LOCATION(S). IT IS THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO COORDINATE THE ELECTRICAL SERVICE STUB-OUT TO THE CONTROLLER(S). PROVIDE PROPER GROUNDING PER CONTROLLER MANUFACTURER'S INSTRUCTIONS AND IN ACCORDANCE WITH LOCAL CODES.

7. PROVIDE EACH CONTROLLER WITH ITS OWN GROUND ROD. SEPARATE THE GROUND RODS BY A MINIMUM OF EIGHT FEET. THE GROUND ROD SHALL BE AN EIGHT FOOT LONG BY 5/8" DIAMETER U.L. APPROVED COPPER CLAD ROD. INSTALL NO MORE THAN 6" OF THE GROUND ROD ABOVE FINISH GRADE. CONNECT #6 GAUGE WIRE WITH A U.L. APPROVED GROUND ROD CLAMP TO ROD AND BACK TO GROUND SCREW AT BASE OF CONTROLLER WITH APPROPRIATE CONNECTOR. MAKE THIS WIRE AS SHORT AS POSSIBLE, AVOIDING KINKS OR BENDING.

8. PROVIDE EACH IRRIGATION CONTROLLER WITH ITS OWN INDEPENDENT LOW VOLTAGE COMMON GROUND WIRE.

9. INSTALL NEW BATTERIES IN THE IRRIGATION CONTROLLER(S) TO RETAIN PROGRAM IN MEMORY DURING TEMPORARY POWER FAILURES. USE QUANTITY, TYPE AND SIZE REQUIRED AS PER CONTROLLER MANUFACTURER'S INSTRUCTIONS.

10. SCHEDULE A MEETING WHICH INCLUDES REPRESENTATIVES OF THE IRRIGATION CONTROLLER MANUFACTURER, THE MAINTENANCE CONTRACTOR, THE OWNER AND THE IRRIGATION CONTRACTOR AT THE SITE FOR INSTRUCTION ON THE PROPER PROGRAMMING AND OPERATION OF THE IRRIGATION CONTROLLER.

11. IRRIGATION CONTROL WIRES: SOLID COPPER WITH U.L. APPROVAL FOR DIRECT BURIAL IN GROUND. COMMON GROUND WIRE: SIZE #12-1 WIRE WITH A WHITE INSULATING JACKET. CONTROL WIRE SERVICING REMOTE CONTROL VALVES: SIZE #14-1 WIRE WITH INSULATING JACKET OF COLOR OTHER THAN WHITE. SPLICES SHALL BE MADE WITH 3M-DBY SEAL PACKS OR APPROVED EQUAL.

12. INSTALL TWO SPARE CONTROL WIRES OF A DIFFERENT COLOR ALONG THE ENTIRE MAIN LINE. LOOP 36" EXCESS WIRE INTO EACH SINGLE VALVE BOX AND INTO ONE VALVE BOX IN EACH GROUP OF VALVES.

13. SPLICING OF LOW VOLTAGE WIRES IS PERMITTED IN VALVE BOXES ONLY. LEAVE A 36" LONG, 1" DIAMETER COIL OF EXCESS WIRE AT EACH SPLICE AND A 36" LONG EXPANSION LOOP EVERY 100 FEET ALONG WIRE RUN. TAPE WIRES TOGETHER EVERY TEN FEET. DO NOT TAPE WIRES TOGETHER WHERE CONTAINED WITHIN SLEEVING OR CONDUIT.

14. INSTALL BLACK PLASTIC VALVE BOXES WITH BOLT DOWN, NON HINGED COVER MARKED "IRRIGATION". BOX BODY SHALL HAVE KNOCK OUTS. ACCEPTABLE VALVE BOX MANUFACTURER'S INCLUDE NDS, CARSON OR APPROVED EQUAL.

15. INSTALL REMOTE CONTROL VALVE BOXES 12" FROM WALK, CURB, BUILDING OR LANDSCAPE FEATURE. AT MULTIPLE VALVE BOX GROUPS, INSTALL EACH BOX AN EQUAL DISTANCE FROM THE WALK, CURB, BUILDING OR LANDSCAPE FEATURE AND PROVIDE 12" BETWEEN BOX TOPS. ALIGN THE SHORT SIDE OF RECTANGULAR VALVE BOXES PARALLEL TO WALK, CURB, BUILDING OR LANDSCAPE FEATURE.

16. VALVE LOCATIONS SHOWN ARE DIAGRAMMATIC. INSTALL IN GROUND COVER/SHRUB AREAS (AVOID LAWN AREAS WHERE POSSIBLE).

17. THE CONTRACTOR SHALL LABEL CONTROL LINE WIRE AT EACH REMOTE CONTROL VALVE WITH A 2 1/4" X 2 3/4" POLYURETHANE I.D. TAG, INDICATING IDENTIFICATION NUMBER OF VALVE (CONTROLLER AND STATION NUMBER). ATTACH LABEL TO CONTROL WIRE. THE CONTRACTOR SHALL PERMANENTLY STAMP ALL VALVE BOX LIDS WITH APPROPRIATE IDENTIFICATION AS NOTED IN CONSTRUCTION DETAILS.

18. FLUSH AND ADJUST IRRIGATION OUTLETS AND NOZZLES FOR OPTIMUM PERFORMANCE AND TO PREVENT OVER SPRAY ONTO WALKS, ROADWAYS, AND/OR BUILDINGS. SELECT THE BEST DEGREE OF THE ARC AND RADIUS TO FIT THE EXISTING SITE CONDITIONS AND THROTTLE THE FLOW CONTROL AT EACH VALVE TO OBTAIN THE OPTIMUM OPERATING PRESSURE FOR EACH CONTROL ZONE.

19. SET SPRINKLER HEADS PERPENDICULAR TO FINISH GRADE.

20. LOCATE BUBBLERS ON UPHILL SIDE OF PLANT OR TREE.

21. INSTALL A HUNTER HCV SERIES, KBI CV SERIES, OR APPROVED EQUAL SPRING LOADED CHECK VALVE IN SPRINKLER RISER ASSEMBLIES WHERE LOW OUTLET DRAINAGE WILL CAUSE EROSION AND/OR EXCESS WATER.

22. WHERE IT IS NECESSARY TO EXCAVATE ADJACENT TO EXISTING TREES, USE CAUTION TO AVOID INJURY TO TREES AND TREE ROOTS. EXCAVATE BY HAND IN AREAS WHERE TWO (2) INCH AND LARGER ROOTS OCCUR. BACK FILL TRENCHES ADJACENT TO TREE WITHIN TWENTY-FOUR (24) HOURS. WHERE THIS IS NOT POSSIBLE, SHADE THE SIDE OF THE TRENCH ADJACENT TO THE TREE WITH WET BURLAP OR CANVAS.

23. NOTIFY LOCAL JURISDICTIONS FOR INSPECTION AND TESTING OF INSTALLED BACKFLOW PREVENTION DEVICE.

24. THE SPRINKLER SYSTEM DESIGN IS BASED ON THE MINIMUM OPERATING PRESSURE SHOWN ON THE IRRIGATION DRAWINGS. VERIFY WATER PRESSURE PRIOR TO CONSTRUCTION. REPORT ANY DIFFERENCE BETWEEN THE WATER PRESSURE INDICATED ON THE DRAWINGS AND THE ACTUAL PRESSURE READING AT THE IRRIGATION POINT OF CONNECTION TO THE OWNER'S AUTHORIZED REPRESENTATIVE.

25. IRRIGATION DEMAND: REFER TO PLANS.

26. THE EXISTING MAIN LINE SHOWN ON THE DRAWINGS IS DIAGRAMMATIC. VERIFY AND LOCATE EXISTING MAIN LINE IN FIELD. REPORT TO ARCHITECT IN WRITING ANY DEVIATION OF EXISTING MAIN LINE LOCATION FROM THAT SHOWN ON THE DRAWINGS.

27. PIPE SIZING SHOWN ON THE DRAWINGS IS TYPICAL. AS CHANGES IN LAYOUT OCCUR DURING STAKING AND CONSTRUCTION THE SIZE MAY NEED TO BE ADJUSTED ACCORDINGLY.

28. PIPE THREAD SEALANT COMPOUND SHALL BE RECTOR SEAL #5.

29. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR MINOR CHANGES IN THE IRRIGATION LAYOUT DUE TO OBSTRUCTIONS NOT SHOWN ON THE IRRIGATION DRAWINGS SUCH AS LIGHTS, FIRE HYDRANTS, SIGNS, ELECTRICAL ENCLOSURES, ETC.

30. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR CHANGES IN THE IRRIGATION LAYOUT AND VALVE ZONING DUE TO VARIATIONS IN THE EXISTING SITE CONDITIONS SUCH AS EXPOSURE FROM BUILDINGS, TRELLISES, TREES, ETC., AS WELL AS SLOPE AND SOIL CONDITIONS. THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT AND IRRIGATION CONSULTANT OF THE PROPOSED CHANGES PRIOR TO INSTALLATION FOR APPROVAL.

31. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR ADJUSTING THE IRRIGATION SYSTEM DESIGN IF THE PLANTING DESIGN CHANGES FROM THE ORIGINAL PLAN AND NEEDS TO ADAPT TO THE NEW PLANTING DESIGN. THE LANDSCAPE CONTRACTOR NEEDS TO NOTIFY THE LANDSCAPE ARCHITECT AND IRRIGATION CONSULTANT OF PROPOSED CHANGES PRIOR TO INSTALLATION FOR APPROVAL.

32. WHEN WORK OF THIS SECTION HAS BEEN COMPLETED AND SUCH OTHER TIMES AS MAY BE DIRECTED, REMOVE ALL TRASH, DEBRIS, SURPLUS MATERIALS AND EQUIPMENT FROM SITE.

33. CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLEMENTAL HAND WATERING OF ALL PLANT MATERIAL WITHIN DRIPLINE AREAS UNTIL THE PLANTS ARE SUFFICIENTLY ESTABLISHED.

34. VERIFY LOCATIONS OF ALL IRRIGATION COMPONENTS INSTALLED WITHIN A VALVE BOX WITH LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. DO NOT INSTALL UNTIL LANDSCAPE ARCHITECT PROVIDES ACCEPTABLE LOCATIONS.

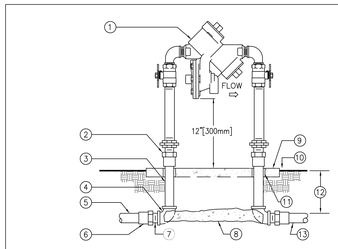
35. CONTRACTOR TO PROVIDE IRRIGATION MAINTENANCE FOR 1 YEAR AFTER INSTALLATION AN WARRANTEE ALL WORK DURING THIS TIME

IRRIGATION COORDINATION NOTES

1. PLUMBING CONTRACTOR SHALL PROVIDE AND INSTALL A LOCALLY APPROVED BACKFLOW PREVENTION DEVICE TO PROTECT ALL IRRIGATION STUB-OUTS.
2. COPPER PIPING WITHIN STRUCTURE SHALL BE PROVIDED, ROUTED, AND INSTALLED BY PLUMBING CONTRACTOR. EXIT OF PIPE TO PLANTER SHALL BE 18" BELOW FINISH GRADE.
3. IRRIGATION SLEEVING AND/OR CONDUIT IN STRUCTURE TO BE PROVIDED AND INSTALLED UNDER STRUCTURAL WORK.
4. ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT, PULL BOXES AND WIRE IN STRUCTURE. THE DRAWINGS INDICATE REQUIRED WIRE QUANTITIES FROM A GIVEN PLANTER LOCATION, THROUGH STRUCTURE, TO THE CONTROLLER LOCATION. 14 GAUGE WIRE SHALL BE USED FOR CONTROL WIRING AND 12 GAUGE FOR COMMON GROUND. FINAL CONNECTION OR WIRING TO REMOTE CONTROL VALVES AND CONTROLLER SHALL BE COMPLETED BY IRRIGATION CONTRACTOR.

IRRIGATION LEGEND

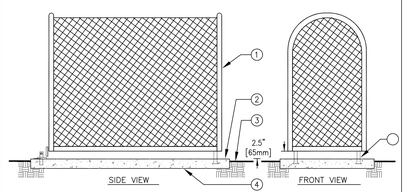
SYMBOL	NUMBER	DESCRIPTION
	T-YD-500-34	TORO AIR RELIEF VALVE
	FCH-H-FIPT	TORO FLUSH VALVE
	T-DL-MP9	TORO DRIP ZONE INDICATER
	P-220-SERIES	TORO REMOTE CONTROL VALVE W/PRESSURE REGULATOR
	700-1/OMR-100/ T-ALFD10150-L	IRRITROL REMOTE CONTROL VALVE WITH A PRESSURE REGULATOR (SET TO 40 PSI) AND A 1" DISC FILTER
	33 DNP	RAIN BIRD QUICK COUPLING VALVE
	T113-K	NIBCO GATE VALVE (LINE SIZE)
	975XLSEU-1"	WILKINS REDUCED PRESSURE BACKFLOW ASSEMBLY
(A)	EXISTING CONTROLLER ADD ETC-LX/LIMR-KIT	RELOCATED EXISTING RAIN BIRD ESP CONTROLLER. ADD AN ET MANAGER AND RADIO REMOTE
(C)	ESP-12-LXME/ LXMMSS/ETC-LX/ LIMR-KIT	RAIN BIRD ESP CONTROLLER IN A STAINLESS STEEL WALL MOUNTED ENCLOSURE WITH ET MANAGER AND RADIO REMOTE
		CONTROLLER AND STATION NUMBER
		FLOW (GPM)
		REMOTE CONTROL VALVE SIZE (IN INCHES)
		ASSOCIATED REMOTE CONTROL VALVE
		CONTROLLER AND STATION NUMBER
		AREA (SQ. FT.)
		FLOW (GPM)
		REMOTE CONTROL VALVE SIZE (IN INCHES)
		ASSOCIATED REMOTE CONTROL VALVE
		MAIN LINE: 1.25" AND SMALLER: SCHEDULE 40 PVC PLASTIC PIPE WITH SCHEDULE 40 PVC SOLVENT WELD FITTINGS. 18" COVER.
		LATERAL LINE: 3/4" AND LARGER: SCHEDULE 40 PVC PLASTIC PIPE WITH SCHEDULE 40 PVC SOLVENT WELD FITTINGS. 12" COVER.
		SLEEVING: SCHEDULE 40 PVC PLASTIC PIPE. COVER TO BE AS INDICATED IN SPECIFICATIONS OR AS INDICATED ABOVE FOR PIPE DEPTH OF COVER.
		DRIP ZONE: TORO DL2000 SERIES DRIPLINE, PART #RGP-212-05. TUBING TO BE INSTALLED 4" BELOW GRADE IN A 12" O.C. GRID ACCORDING TO DETAILS. SEE DETAILS FOR FURTHER INFORMATION.



1. REDUCED PRESSURE BACKFLOW ASSEMBLY.
2. WROUGHT COPPER MALE ADAPTER-2 TOTAL (SOLDER x THREAD CONNECTION).
3. COPPER TYPE "K" PIPE (LENGTH AS REQUIRED).
4. WROUGHT COPPER 90° ELBOW-2 TOTAL (SOLDER x THREAD CONNECTION).
5. PVC MAIN LINE TO POINT OF CONNECTION.
6. BUSH AS NECESSARY FOR SIZE TRANSITION.
7. SCHEDULE 40 PVC MALE ADAPTER-2 TOTAL.
8. CONCRETE SUPPORT BLOCK.
9. CONCRETE PAD-SEE ENCLOSURE DETAIL.
10. FINISH GRADE.
11. PVC SLEEVE BOTH SIDES.
12. REFER TO IRRIGATION LEGEND.
13. PVC MAIN LINE TO IRRIGATION SYSTEM.

NOTES:
1. INSTALL A FREEZE PREVENTATIVE BLANKET AROUND BACKFLOW ASSEMBLY. BLANKET SHALL BE GREEN.
2. DO NOT SOLDER CONNECT FITTINGS WHILE THREADED INTO BACKFLOW ASSEMBLY. THIS MAY CAUSE DAMAGE TO DEVICE.
3. NIPPLES AND FITTINGS TO BE SAME IPT SIZE AS BACKFLOW ASSEMBLY.
4. PROVIDE A STAINLESS STEEL ENCLOSURE TO COMPLETELY ENCLOSE DEVICE. INSTALL ENCLOSURE TO CONCRETE BASE AS DIRECTED BY MANUFACTURER.

1 REDUCED PRESSURE BACKFLOW ASSEMBLY
SCALE: NONE
DET: RPB-1



1. STAINLESS STEEL ENCLOSURE TO COMPLETELY ENCLOSE DEVICE
2. SET PAD 1/2" [13MM] ABOVE FINISH GRADE
3. FINISH GRADE
4. 6" [150mm] THICK CONCRETE PAD FOR ENCLOSURE SUPPORT TO EXTEND 6" [150mm] BEYOND ENCLOSURE ON ALL SIDES. CONCRETE TO HAVE MEDIUM BROOM FINISH.
5. MOUNTING BRACKETS (STANDARD WITH ENCLOSURE) TO BE SET INTO CONCRETE PAD. PROVIDE LOCKING TAB TO ACCEPT PADLOCK PER MANUFACTURER'S INSTRUCTION.

2 BACKFLOW ASSEMBLY ENCLOSURE
SCALE: NONE
DET: ENC-SMOOTH

Irrigation Consultant:
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MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

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Issued For:

No.	Description:	Date:
	60% PROJECT COMPLETION	15 MAY 2015
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
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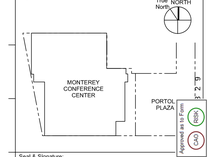


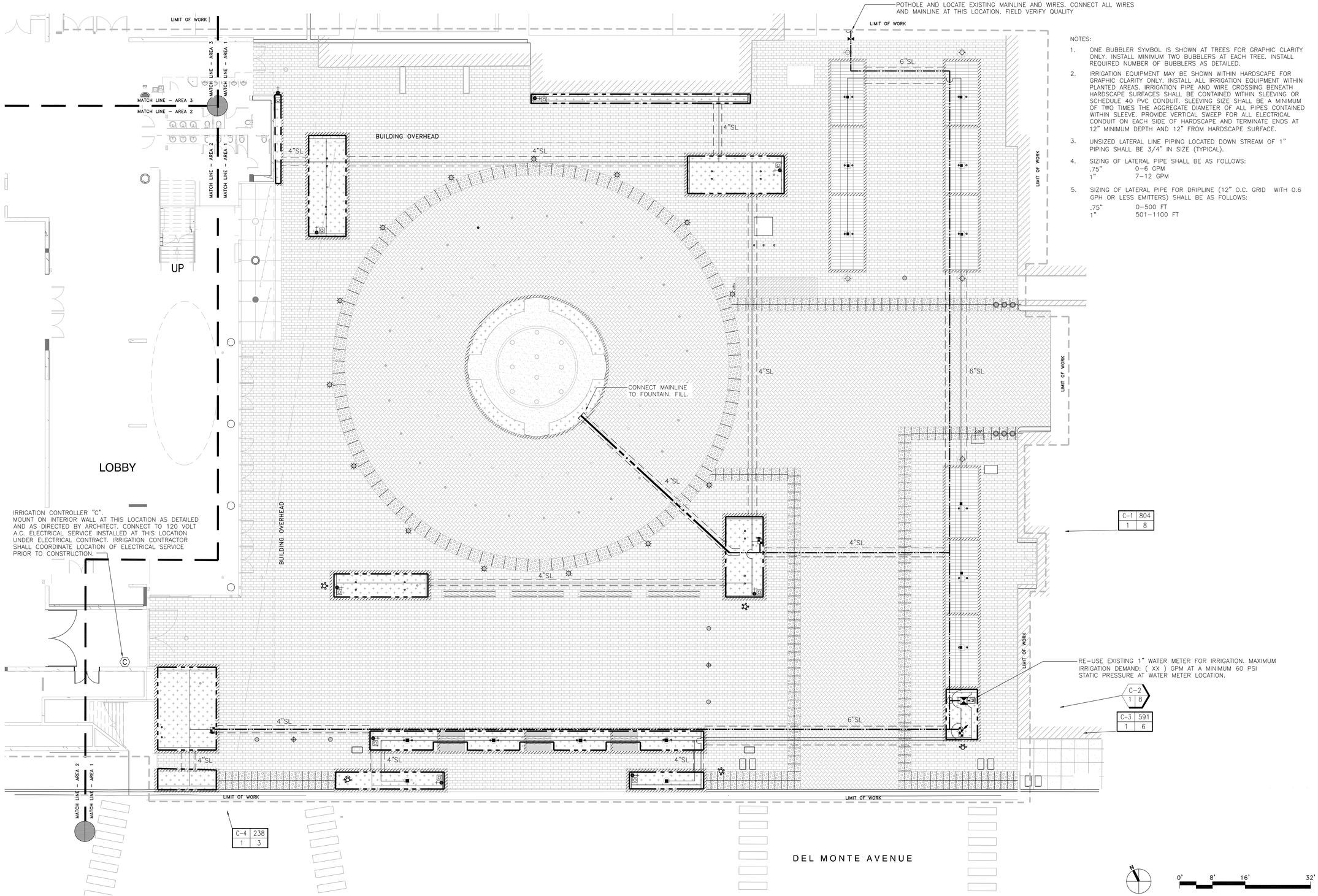
Seal & Signature:
LANDSCAPE ARCHITECT
SCOTT T. STRAND
Signature
Nov. 30, '16
Renewal Date
STATE OF CALIFORNIA

Sheet Name:
IRRIGATION NOTES & LEGEND AREA 1

Project No.:	Sheet No.:
215004	L6.00
Drawn By:	
Checked By:	
Scale: NTS	

Agreement #: Ag-1097 - Page 365

File Name: L6.00 IRRIGATION LND-DETAILS.dwg Plotted By: Justin 09/21/2015 [Mon 6:21pm]



NOTES:

1. ONE BUBBLER SYMBOL IS SHOWN AT TREES FOR GRAPHIC CLARITY ONLY. INSTALL MINIMUM TWO BUBBLERS AT EACH TREE. INSTALL REQUIRED NUMBER OF BUBBLERS AS DETAILED.
2. IRRIGATION EQUIPMENT MAY BE SHOWN WITHIN HARDSCAPE FOR GRAPHIC CLARITY ONLY. INSTALL ALL IRRIGATION EQUIPMENT WITHIN PLANTED AREAS. IRRIGATION PIPE AND WIRE CROSSING BENEATH HARDSCAPE SURFACES SHALL BE CONTAINED WITHIN SLEEVING OR SCHEDULE 40 PVC CONDUIT. SLEEVING SIZE SHALL BE A MINIMUM OF TWO TIMES THE AGGREGATE DIAMETER OF ALL PIPES CONTAINED WITHIN SLEEVE. PROVIDE VERTICAL SWEEP FOR ALL ELECTRICAL CONDUIT ON EACH SIDE OF HARDSCAPE AND TERMINATE ENDS AT 12" MINIMUM DEPTH AND 12" FROM HARDSCAPE SURFACE.
3. UNSIZED LATERAL LINE PIPING LOCATED DOWN STREAM OF 1" PIPING SHALL BE 3/4" IN SIZE (TYPICAL).
4. SIZING OF LATERAL PIPE SHALL BE AS FOLLOWS:
   .75" 0–6 GPM
   1" 7–12 GPM
5. SIZING OF LATERAL PIPE FOR DRIPLINE (12" O.C. GRID WITH 0.6 GPH OR LESS EMITTERS) SHALL BE AS FOLLOWS:
   .75" 0–500 FT
   1" 501–1100 FT

PORTOLA PLAZA & STREETSCAPE PLAN

SCALE: 1/8" = 1'–0"

1

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL
580 PACIFIC STREET, MONTEREY, CA 93940
TEL: (831) 646-5601

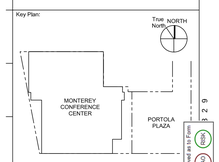
Architect:
SOM
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

Consultants:
GLS LANDSCAPE ARCHITECTURE
2677 Mission Street, No. 200
San Francisco, CA 94110-3105
415.285.3614 | glsarch.com

Issued For:

No.:	Description:	Date:
	60% PROJECT COMPLETION	15 MAY 2015
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	PORTOLA PLAZA PERMIT SET	03 AUGUST 2015
	BID SET	26 AUGUST 2015
	ADDENDUM 2	18 SEPT. 2015

Key Plan:



Approved as to Form

Seal & Signature:

LICENSED LANDSCAPE ARCHITECT
SCOTT L. STRAZE
Signature
Nov. 30, '16
Renewal Date
Date
STATE OF CALIFORNIA

Sheet Name:

IRRIGATION PLAN
AREA 1

Irrigation Consultant:
Russell D. Mitchell Associates, Inc.
2760 Camino Diablo
Walnut Creek, CA 94597
tel 925.939.3985 ♦ fax 925.932.5671
www.rmairrigation.com

Project No.:	Sheet No.:
215004	L6.01
Drawn By:	
Checked By:	
Scale: 1/8"=1'-0"	

Agreement # Ag-5097 - Page 365 of 529

File Name: L6.01 IRRIGATION PLAN.dwg Plotted By: Justin 09/21/2015 [Mon 6:19pm]

Agreement #: Ag-5097 - Page 365 of 529
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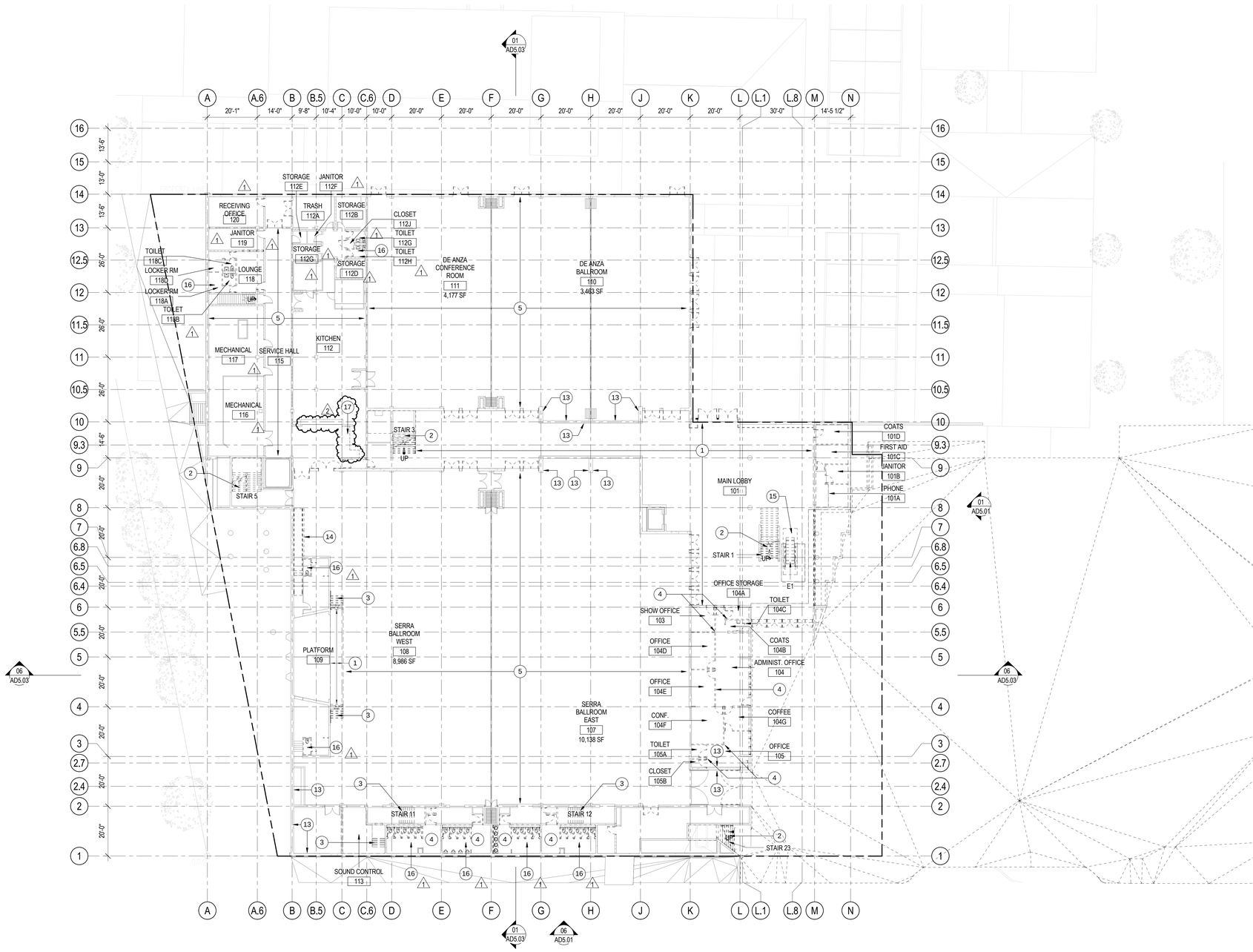
Date



SELECTIVE DEMOLITION GENERAL NOTES:

CONTRACTOR TO BRACE, SHORE & OTHERWISE PROTECT BUILDING & BUILDING STRUCTURE PRIOR TO SELECTIVE DEMOLITION.

DURING SELECTIVE DEMOLITION AND REMOVAL, PROTECT & MAINTAIN IN PLACE EXISTING INTERIOR & EXTERIOR COMPONENTS OF PROJECT INCLUDING LANDSCAPE, NOT INDICATED TO BE DEMOLISHED OR REMOVED.

PROTECT IN PLACE PASSENGER AND SERVICE ELEVATORS AND ELEVATOR SHAFT WALLS.

SEE STRUCTURAL, MECHANICAL, PLUMBING, AND TELECOM DRAWINGS FOR OTHER NON-ARCHITECTURAL SELECTIVE DEMOLITION.

WHERE DOORS ARE TO BE DEMOLISHED, REMOVE ANY ASSOCIATED DOOR OPERATORS & SECURITY DEVICE.

REPAIR EXISTING EXTERIOR COMPONENTS EXPOSED BY SELECTIVE DEMOLITION WORK TO MATCH ADJACENT EXISTING COMPONENT OR TO MATCH PREVIOUS MATERIAL AND FINISH.

SHEET NOTES - SELECTIVE DEMOLITION

1 REMOVE (E) ARCHITECTURAL FLOORING, WALL FINISHES, CEILINGS, MEP FIXTURES, CONDUITS, WIRES, PIPING ETC. AS REQUIRED.
2 REMOVE (E) ARCHITECTURAL STAIR FINISH MATERIALS & RAILINGS.
3 REMOVE (E) ARCHITECTURAL STAIR FINISH MATERIAL, RAILINGS & STRUCTURAL COMPONENT PER STRUCTURAL DRAWINGS.
4 REMOVE (E) TOILETS, LAVATORIES, COMPARTMENTS, MILLWORK, ACCESSORIES
5 REMOVE (E) FIRE SPRINKLER HEADS
6 REMOVE (E) ARCHITECTURAL EXTERIOR PAVING, LANDSCAPE & WATERPROOFING AS REQUIRED
8 REMOVE (E) BRIDGE CANOPY AT PORTION OF BRIDGE TO BE DEMOLISHED PER STRUCTURAL DRAWINGS
9 REMOVE (E) ROOFING
10 REMOVE (E) SKYLIGHT GLAZING, GASKETS, SEALANT & FLASHING
11 SAW CUT EXISTING CONCRETE LIGHT COVE
12 REMOVE (E) STAINED GLASS WINDOW; INFILL OPENING TO MATCH EXISTING ADJACENT MATERIAL AND WALL FINISH
13 REMOVE (E) FLOOR SLAB AND INTERIOR MATERIAL AND FINISH AS REQUIRED TO INSTALL NEW STRUCTURAL FOOTINGS PER STRUCTURAL DRAWINGS. NOTE WHERE INTERIOR MATERIALS AND FINISHES ARE REMOVED, REPLACE TO MATCH EXISTING FINISH UNLESS OTHERWISE NOTED.
14 REMOVE (E) RAMP AND ASSOCIATED GUARDRAILS AND HANDRAILS.
15 REMOVE (E) ESCALATOR AND ASSOCIATED ELECTRICAL COMPONENT; MODIFY PIT PER STRUCTURAL DRAWINGS.
16 REMOVE (E) FLOORING AS REQUIRED TO INSTALL NEW PLUMBING BELOW, REPAIR (E) BELOW GRADE 4" GRAVEL BED, 3" LEAN CONCRETE, VAPOR BARRIER & WATER PROOFING MEMBRANE AS REQUIRED. PROVIDE REINFORCE AS NOTED PER TYPICAL SLAB DETAIL 01/S 4.01
17 REMOVE (E) CASEWORK & RELATED ELECTRIC

LEGEND

EXISTING TO BE DEMOLISHED OR REMOVED

EXISTING TO REMAIN

DEMOLITION FLOOR PLAN - LEVEL 1 01
SCALE: 1/16" = 1'-0"

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

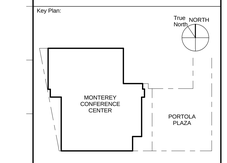
CITY OF MONTEREY
CITY HALL
580 PACIFIC STREET, MONTEREY, CA 93940
TEL: (831) 646-5601

Architect / Engineer:
SOM
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

Consultants:

Issued For:

No.	Description:	Date:
	PRELIMINARY DESIGN 15% PRICING ISSUE	05 DEC 2014
	ISSUED FOR PLANNING & A.R.C. REVIEW	16 DEC 2014
	30% SUBMITTAL	20 FEB 2015
	60% PROJECT COMPLETION	15 MAY 2015
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015
1	ADDENDUM 1	11 SEPT 2015
2	ADDENDUM 2	18 SEPT 2015

Key Plan:


Seal & Signature:
LICENSED ARCHITECT
CLIFTON K. BOSWELL
C-26963
MAY 31 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:
DEMOLITION FLOOR PLAN - LEVEL 1

Project No.: 215004
Drawn By: Author
Checked By: Checker
Scale: As indicated
Sheet No.: AD2.01

9/30/2016 8:13:24 PM

Agreement #: Ag-5097 - Page 366 of 529
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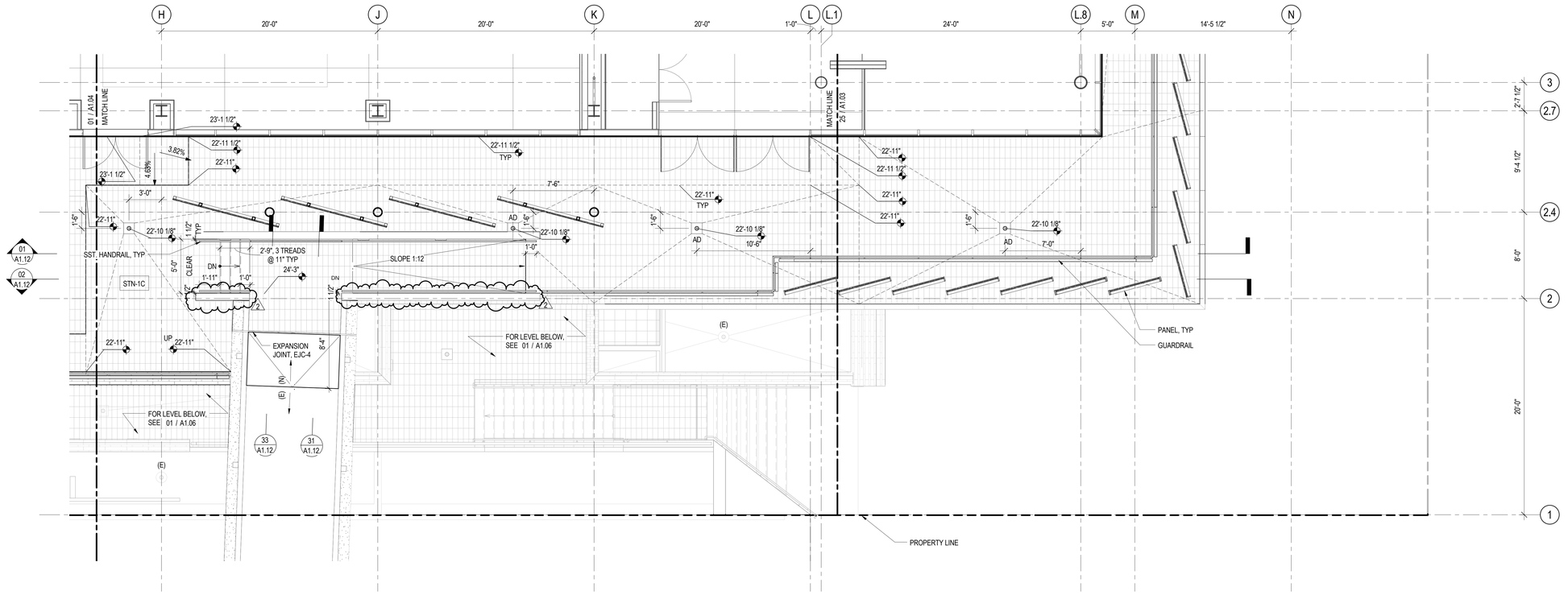
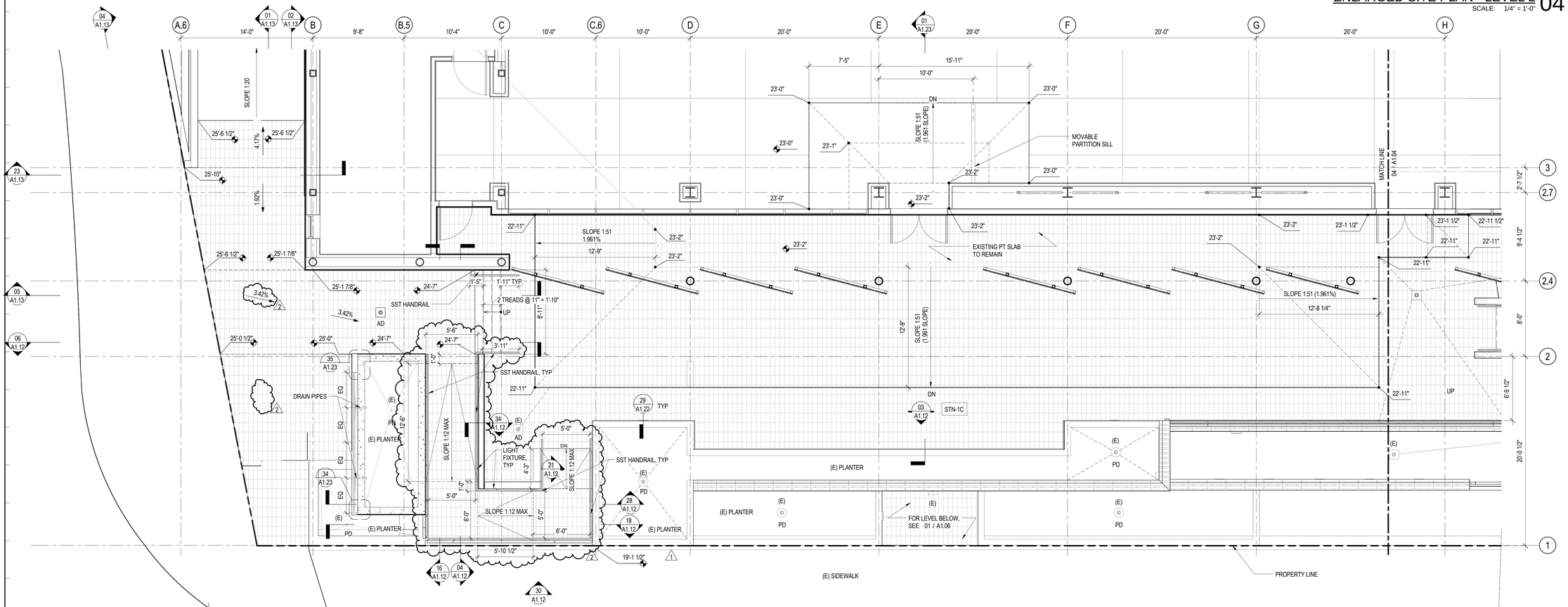


ENLARGED SITE PLAN - LEVEL 2 04

SCALE: 1/4" = 1'-0"



GENERAL NOTES:

1. PLANTER DRAINS AND AREA DRAINS, NOTED (E) ARE EXISTING AND WILL BE PROTECTED IN PLACE U.O.N.

2. SEE SITE PLAN, A1.01, A1.02, A103 AND A1.05 FOR ALTERNATE # 3,EXCEPT @ STAIR #30 AND STAIR #30A

3. REMOVE (E) AD AND PD COVER AS REQUIRED TO INSTALL NEW WATERPROOFING MEMBRANE, CLEAN AND REFURBISH AD & PD AS REQUIRED AND REINSTALL WHEN NEW WATERPROOFING WORK IS COMPLETE. SEE WORK SEQUENCE DIAGRAM ON A1.02 DRAWING, TYP

4. REMOVE EXISTING AND REINSTALL NEW PAVING, PAVING SETTING BED, SOIL, AND WATERPROOFING ASSEMBLY IN INCREMENTS, SO AS NOT IMPACT TO EXISTING POST -TENSION BEAM BELOW

5. LOCATIONS OF (E) DRAINS SHOWN ARE AT APPROXIMATE. VERIFY LOCATION AND ELEVATION OF DRAIN AS REQUIRED.

LEGEND

- PROPERTY LINE
- ADD ALTERNATE
- AREA FOR STRUCTURAL WORK SEQUENCE
- MATCH LINE

ENLARGED SITE PLAN - LEVEL 2 01

SCALE: 1/4" = 1'-0"

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL
580 PACIFIC STREET, MONTEREY, CA 93940
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Architect / Engineer:

SOM
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

Consultants:

Issued For:

No.	Description:	Date:
	60% PROJECT COMPLETION	15 MAY 2015
	PERMIT SET	15 JUNE 2015
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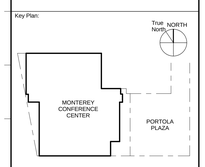
	BID SET	26 AUG 2015
1	ADDENDUM 1	11 SEPT 2015
2	ADDENDUM 2	18 SEPT 2015

Key Plan:



Seal & Signature:

LICENSED ARCHITECT
CLIFTON K. BOSWELL
C-26963
MAY 31 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:

ENLARGED SITE PLAN

Project No.:	Sheet No.:
215004	A1.04
Drawn By: Author	
Checked By: Checker	
Scale: 1/4" = 1'-0"	

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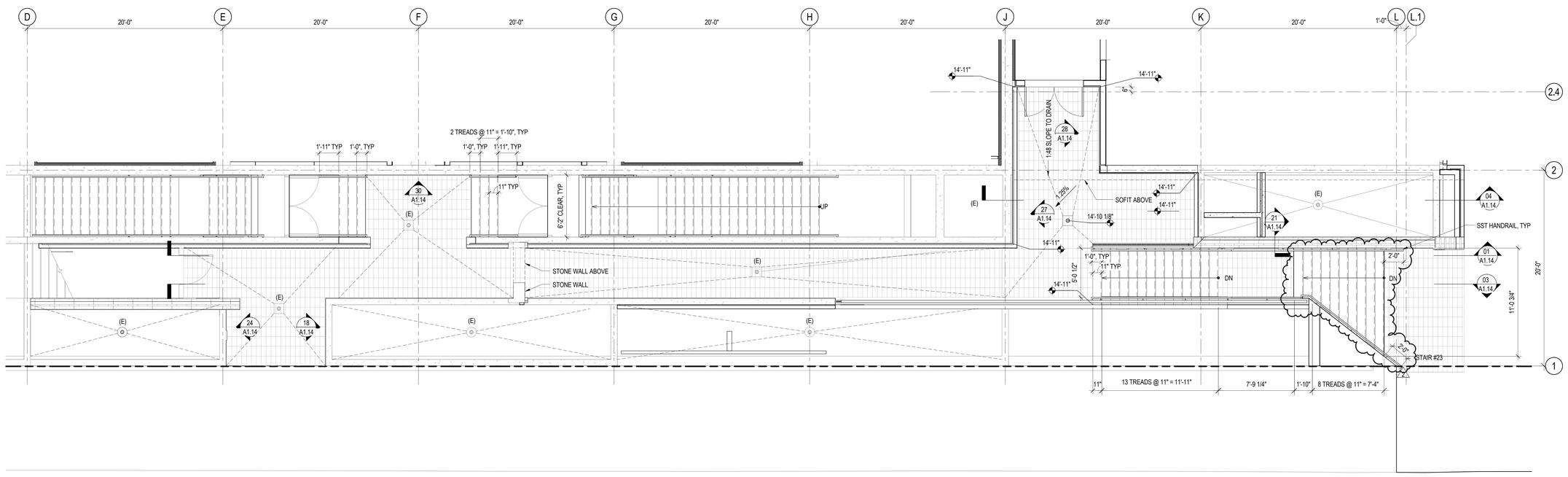
Agreement #: Ag-5097 - Page 366
Approved as to Form
CITY ATTORNEY
DATE 5/29



GENERAL NOTES:

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5. LOCATIONS OF (E) DRAINS SHOWN ARE AT APPROXIMATE. VERIFY LOCATION AND ELEVATION OF DRAIN AS REQUIRED.

LEGEND

- PROPERTY LINE
- ADD ALTERNATE
- AREA FOR STRUCTURAL WORK SEQUENCE
- MATCH LINE

SITE PLAN AT MEZZANINE LEVEL 01

SCALE: 1/4" = 1'-0"

MONTEREY CONFERENCE CENTER
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CITY HALL
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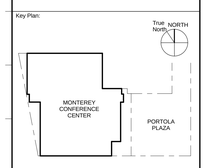
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

Consultants:

Issued For:

No.	Description:	Date:
	60% PROJECT COMPLETION	15 MAY 2015
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015
2	ADDENDUM 2	18 SEPT 2015

Key Plan:



Seal & Signature:

LICENSED ARCHITECT
CLIFTON K. BOSWELL
C-26963
MAY 3 1 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:

ENLARGED SITE PLAN

Project No.:	Sheet No.:
215004	A1.06
Drawn By: Author	
Checked By: Checker	
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Agreement #: Ag-5097 - Page 366
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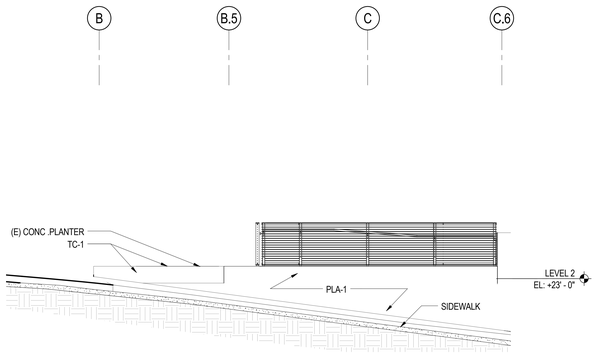
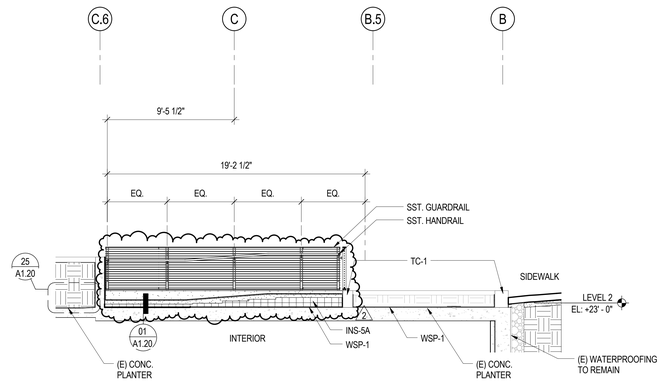
Date
Item
29



SITE PARTIAL ELEVATION 30
SCALE: 1/4" = 1'-0"



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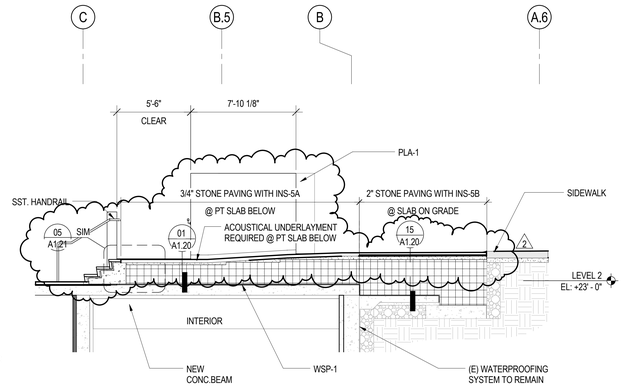

SITE PARTIAL SECTION 06
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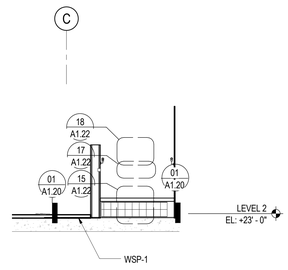

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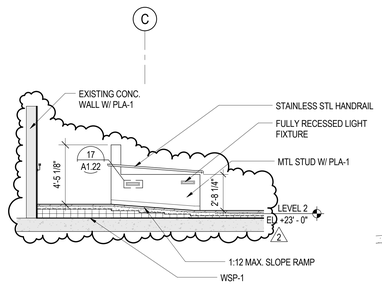

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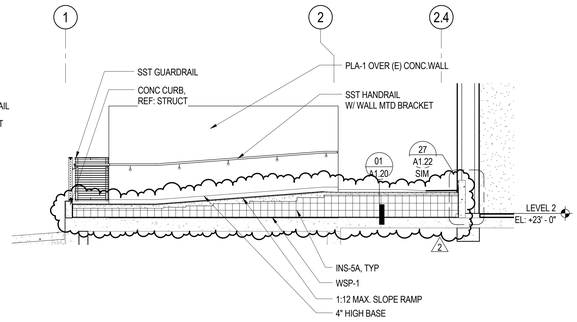

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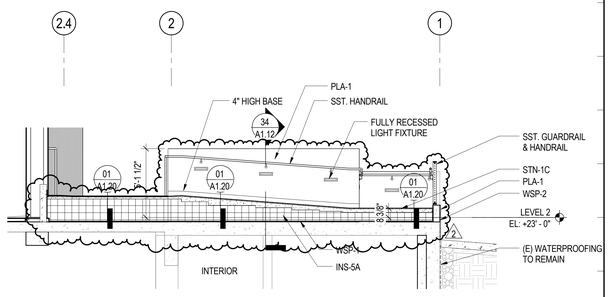

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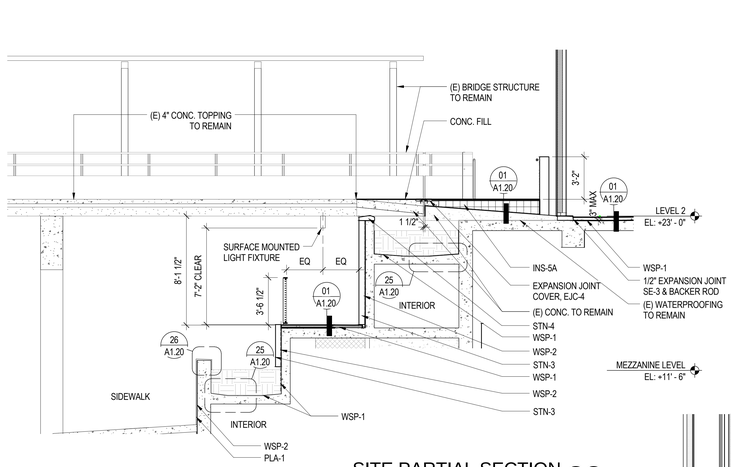

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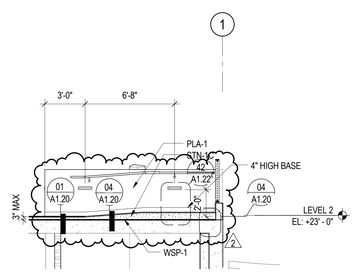

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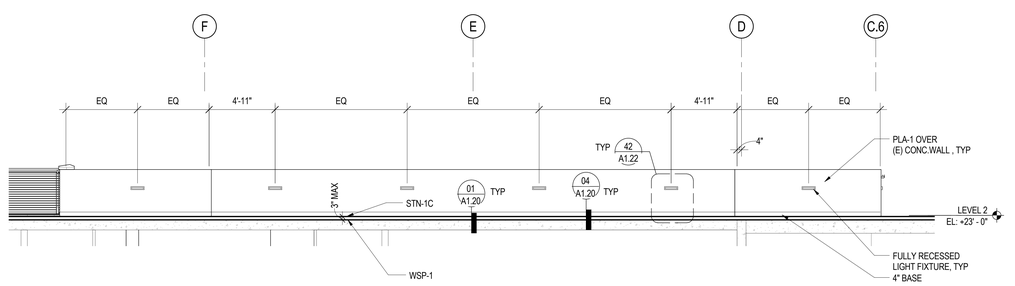

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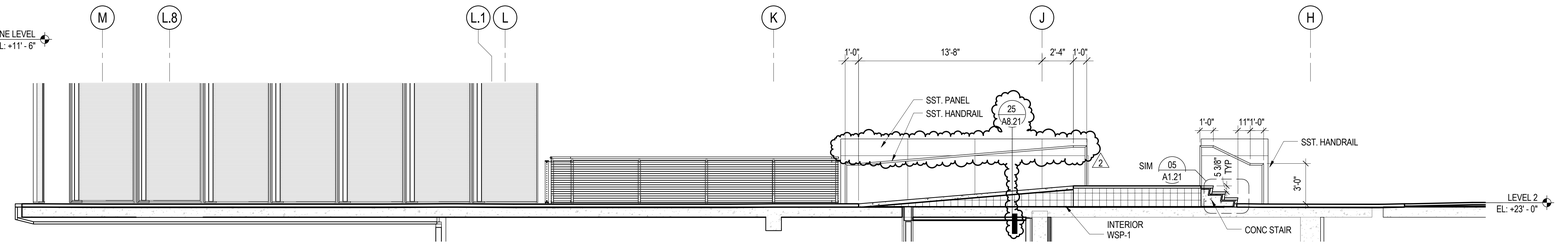
SCALE: 1/4" = 1'-0"



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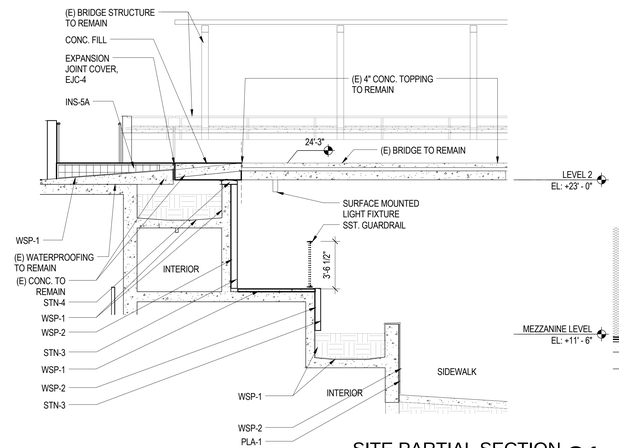

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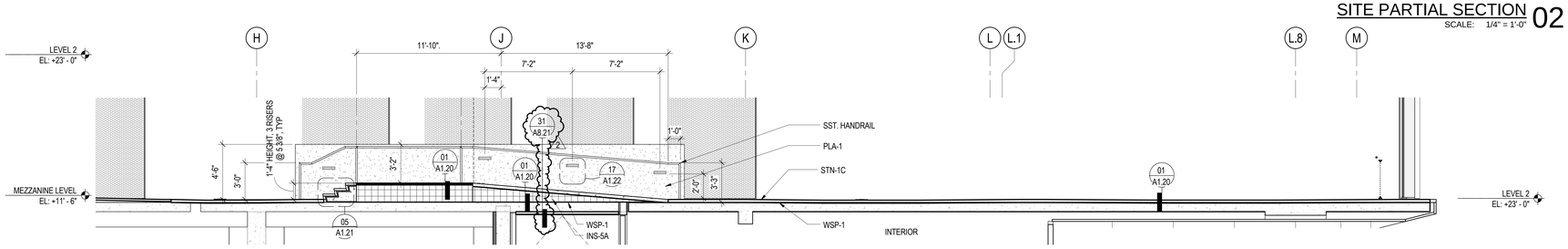

SITE PARTIAL SECTION 01
SCALE: 1/4" = 1'-0"

MONTEREY CONFERENCE CENTER
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CITY OF MONTEREY
CITY HALL
580 PACIFIC STREET, MONTEREY, CA 93940
TEL: (831) 646-5601

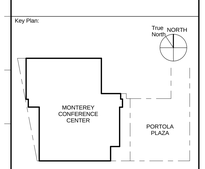
Architect / Engineer:
SOM
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

Consultants:

Issued For:

No.	Description:	Date:
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015
2	ADDENDUM 2	18 SEPT 2015

Key Plan:



Seal & Signature:

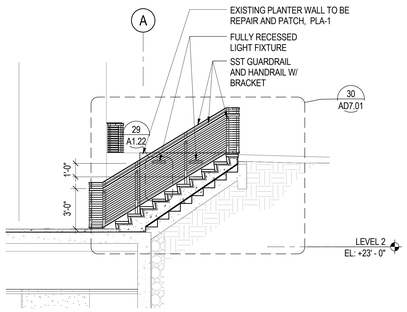
Sheet Name:

ENLARGED BUILDING EXTERIOR ELEVATIONS & SECTIONS

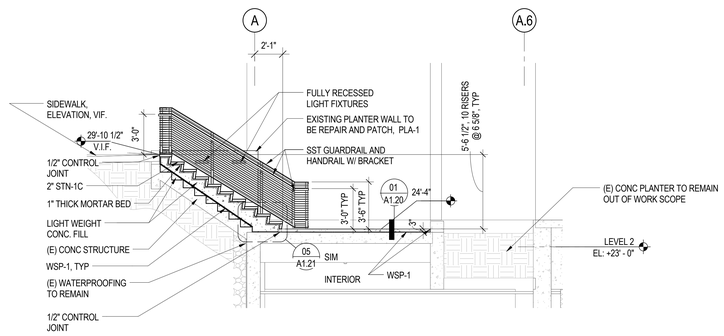
Project No.:	215004	Sheet No.:
Drawn By:	Author	A1.12
Checked By:	Checker	
Scale:	1/4" = 1'-0"	

9/15/2015 8:08:47 PM

Agreement #: Ag-5097 - Page 366 of 529
Approved as to Form
Date



SECTION STAIR 30 LEVEL 1 TO SIDEWALK - S 36
SCALE: 1/4" = 1'-0"



SECTION STAIR 30 LEVEL 1 TO SIDEWALK 24
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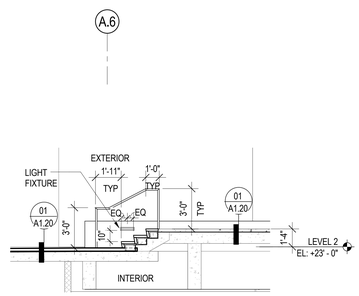
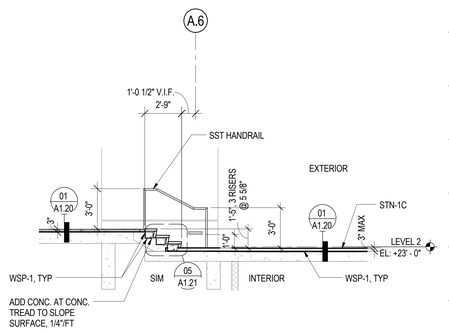


PARTIAL SECTION AT STAIR 30A 18
SCALE: 1/4" = 1'-0"



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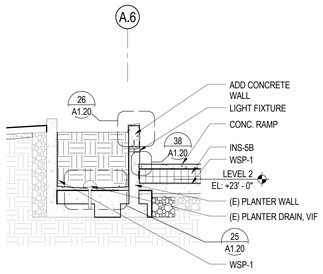
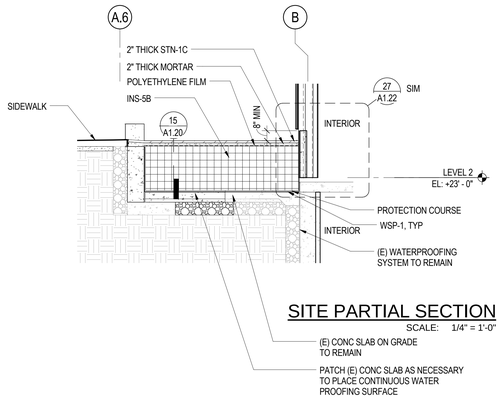
SCALE: 1/4" = 1'-0"



SITE PARTIAL SECTION 29
SCALE: 1/4" = 1'-0"



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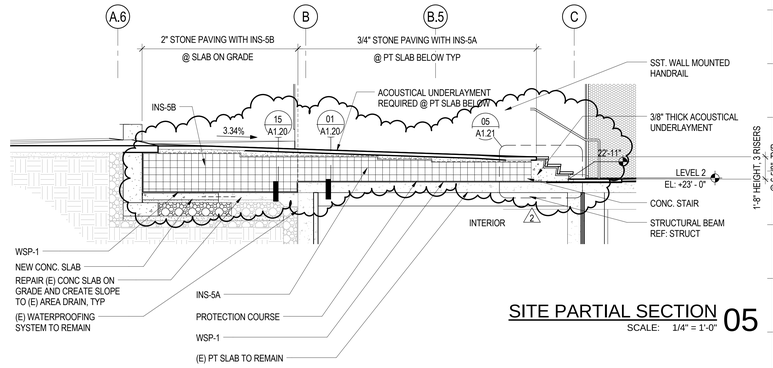
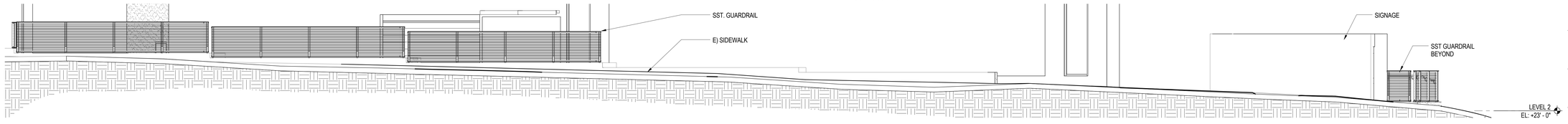
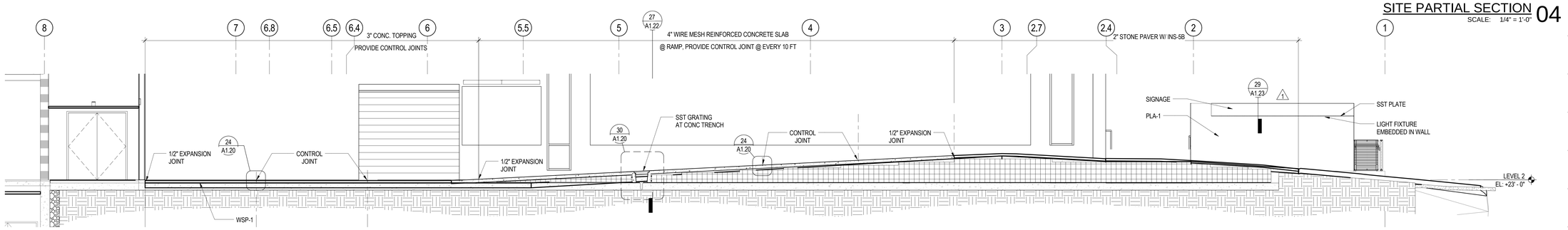
SCALE: 1/4" = 1'-0"



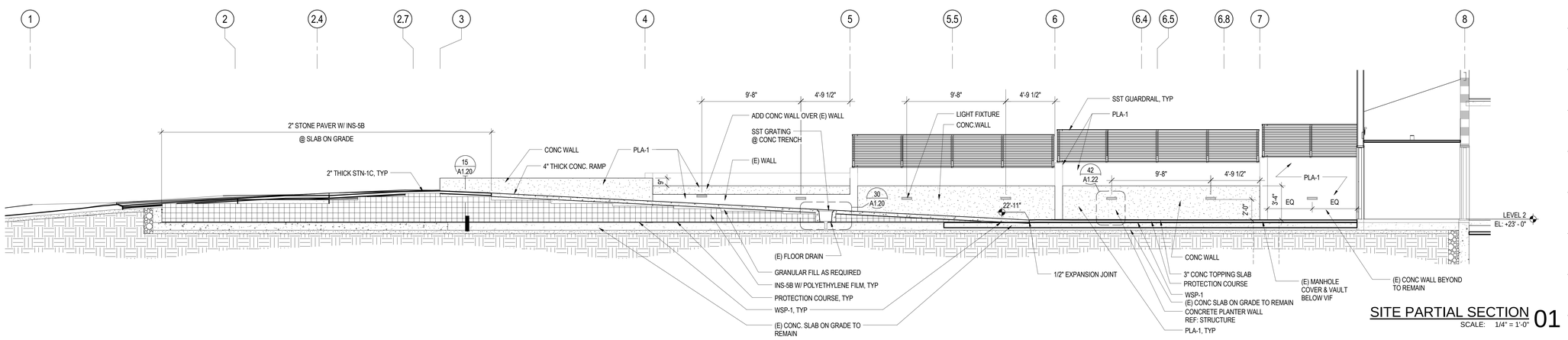
SITE PARTIAL SECTION 05
SCALE: 1/4" = 1'-0"





SITE PARTIAL SECTION 04
SCALE: 1/4" = 1'-0"

SITE PARTIAL SECTION 02
SCALE: 1/4" = 1'-0"



SITE PARTIAL SECTION 01
SCALE: 1/4" = 1'-0"

MONTEREY CONFERENCE CENTER
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Architect / Engineer:
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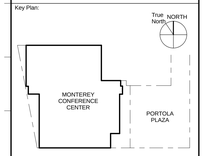
Consultants:

Issued For:

No.	Description:	Date:
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015
1	ADDENDUM 1	11 SEPT 2015
2	ADDENDUM 2	18 SEPT 2015

Key Plan:



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LICENSED ARCHITECT
CLIFTON K. BOSWELL
C-26963
MAY 3 1 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:

ENLARGED BUILDING EXTERIOR ELEVATIONS & SECTIONS

Project No.:	215004	Sheet No.:
Drawn By:	Author	A1.13
Checked By:	Checker	
Scale:	1/4" = 1'-0"	

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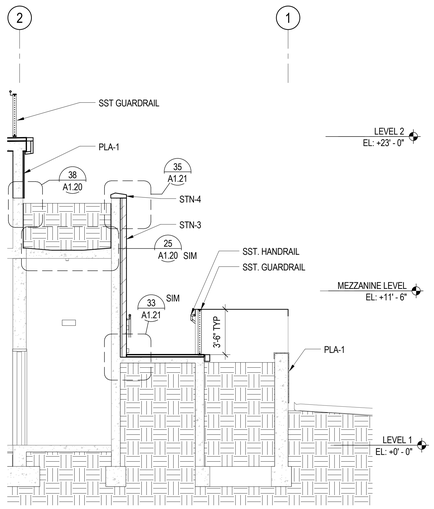
Date 3 2 9



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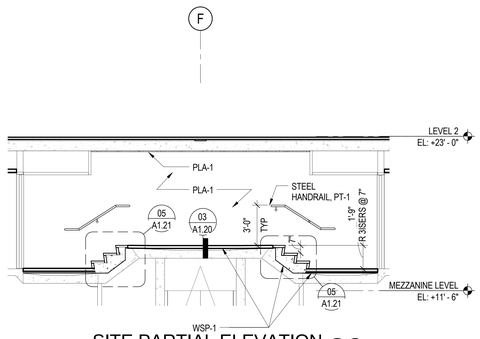
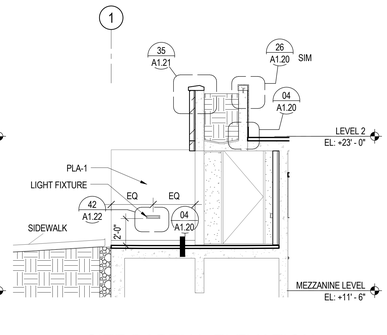
SCALE: 1/4" = 1'-0"



SITE PARTIAL ELEVATION 30
SCALE: 1/4" = 1'-0"



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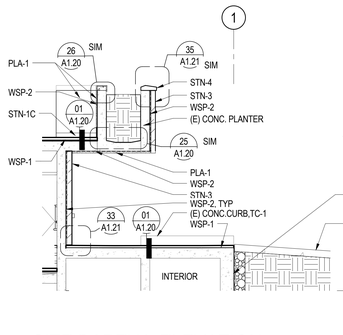
SCALE: 1/4" = 1'-0"



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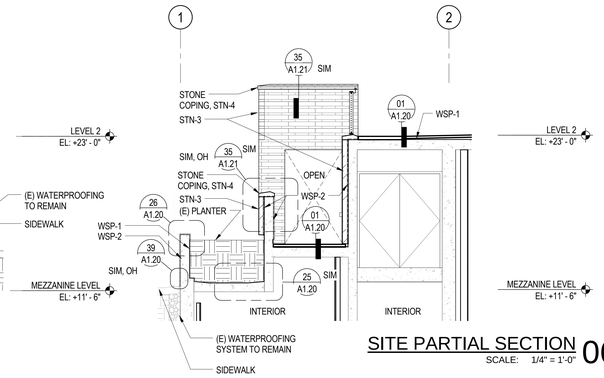
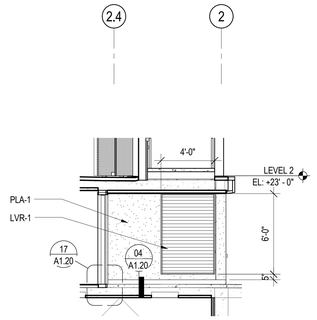
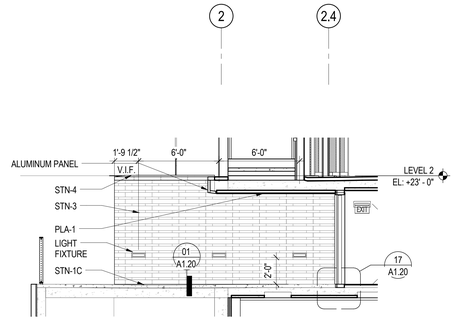


SITE PARTIAL SECTION 06
SCALE: 1/4" = 1'-0"



SITE PARTIAL ELEVATION 28
SCALE: 1/4" = 1'-0"



SITE PARTIAL ELEVATION 27
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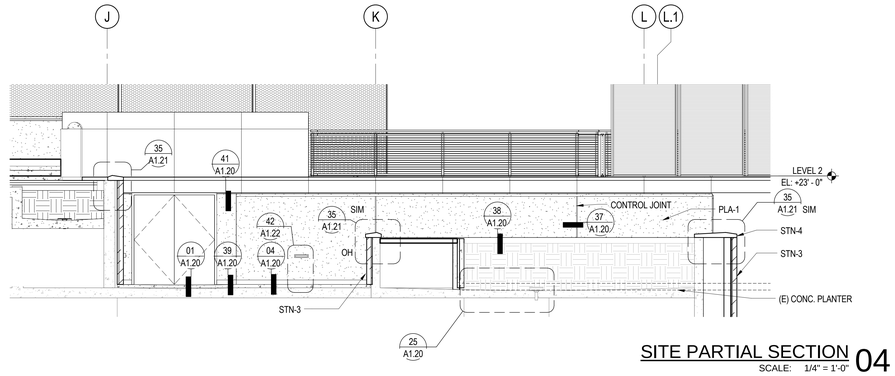

SITE PARTIAL SECTION 04
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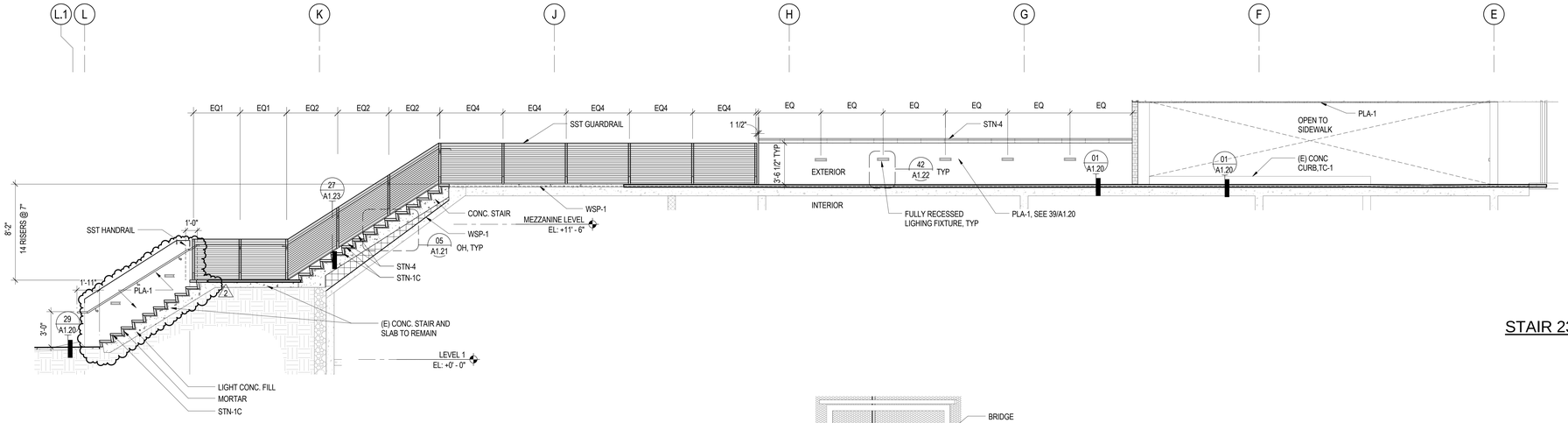
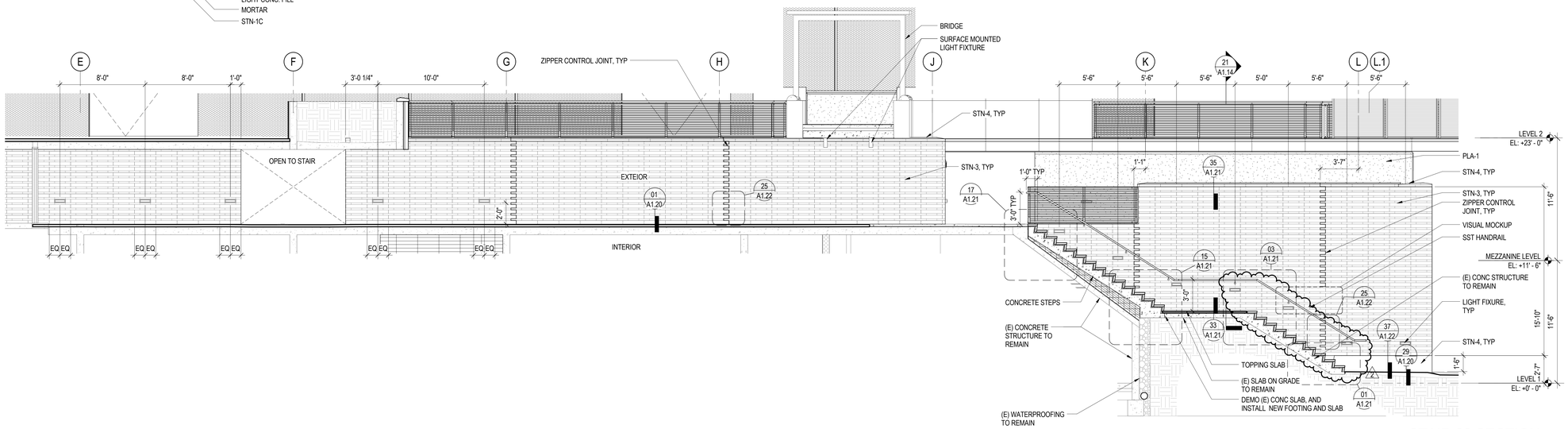


STAIR 23 SECTION 03
SCALE: 1/4" = 1'-0"



STAIR 23 SECTION 01
SCALE: 1/4" = 1'-0"

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Consultants:

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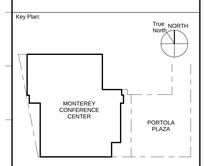
No.	Description:	Date:
	60% PROJECT COMPLETION	15 MAY 2015
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015
2	ADDENDUM 2	18 SEPT 2015

Key Plan:



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CLIFTON K. BOSWELL
C-26963
MAY 3 1 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:

ENLARGED BUILDING EXTERIOR ELEVATIONS & SECTIONS

Project No.:	215004	Sheet No.:
Drawn By:	Author	A1.14
Checked By:	Checker	
Scale:	1/4" = 1'-0"	

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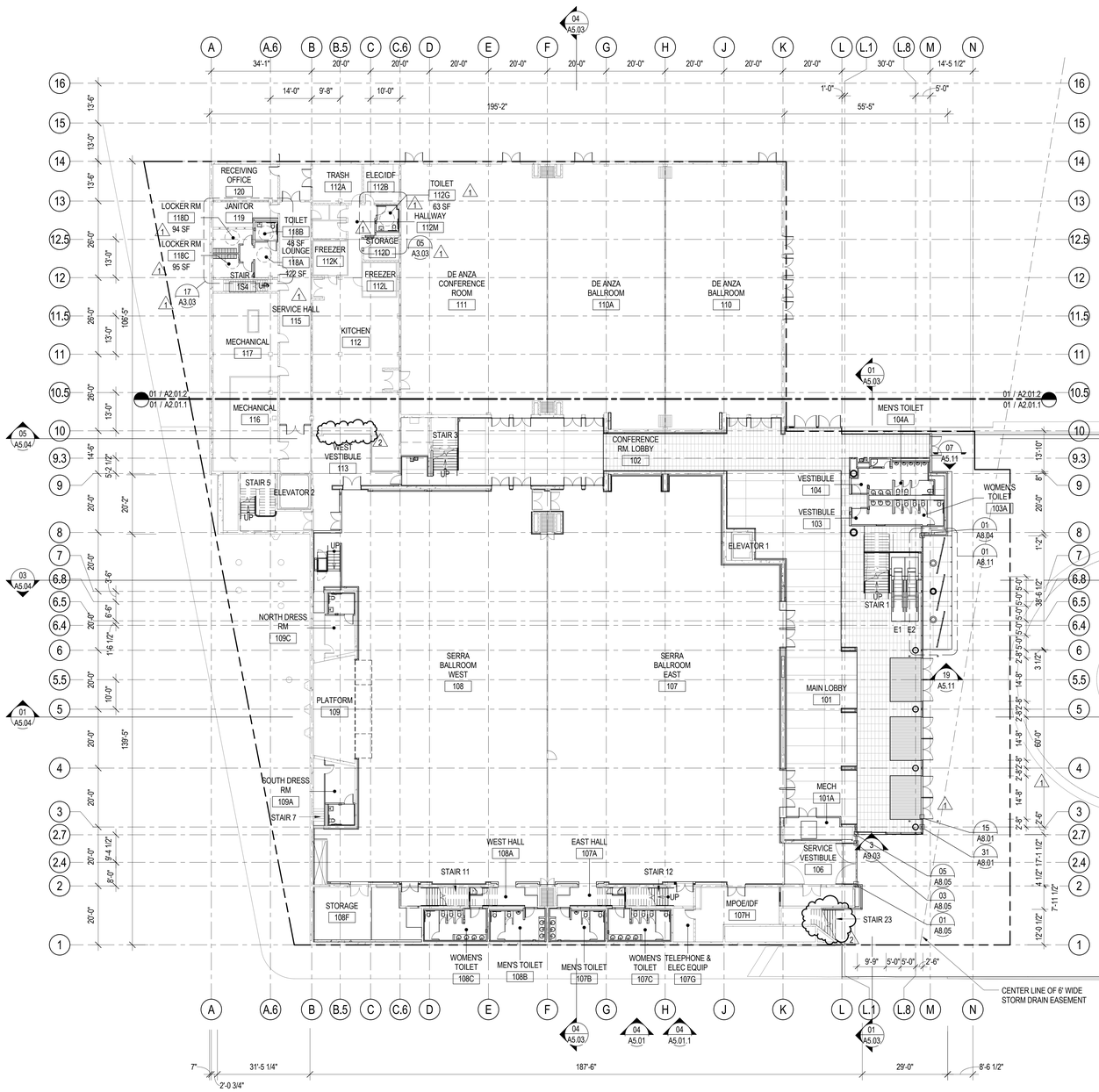

FLOOR PLAN - LEVEL 1 01
SCALE: 1/16" = 1'-0"

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No.	Description:	Date:
	PRELIMINARY DESIGN 15% PRICING ISSUE	05 DEC 2014
	ISSUED FOR PLANNING & A.R.C. REVIEW	16 DEC 2014
	30% SUBMITTAL	20 FEB 2015
	60% PROJECT COMPLETION	15 MAY 2015
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
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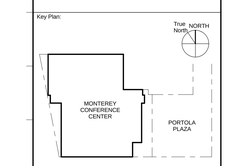

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STATE OF CALIFORNIA

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FLOOR PLAN - LEVEL 1

Project No.:	Sheet No.:
215004	A2.01
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Scale: 1/16" = 1'-0"	

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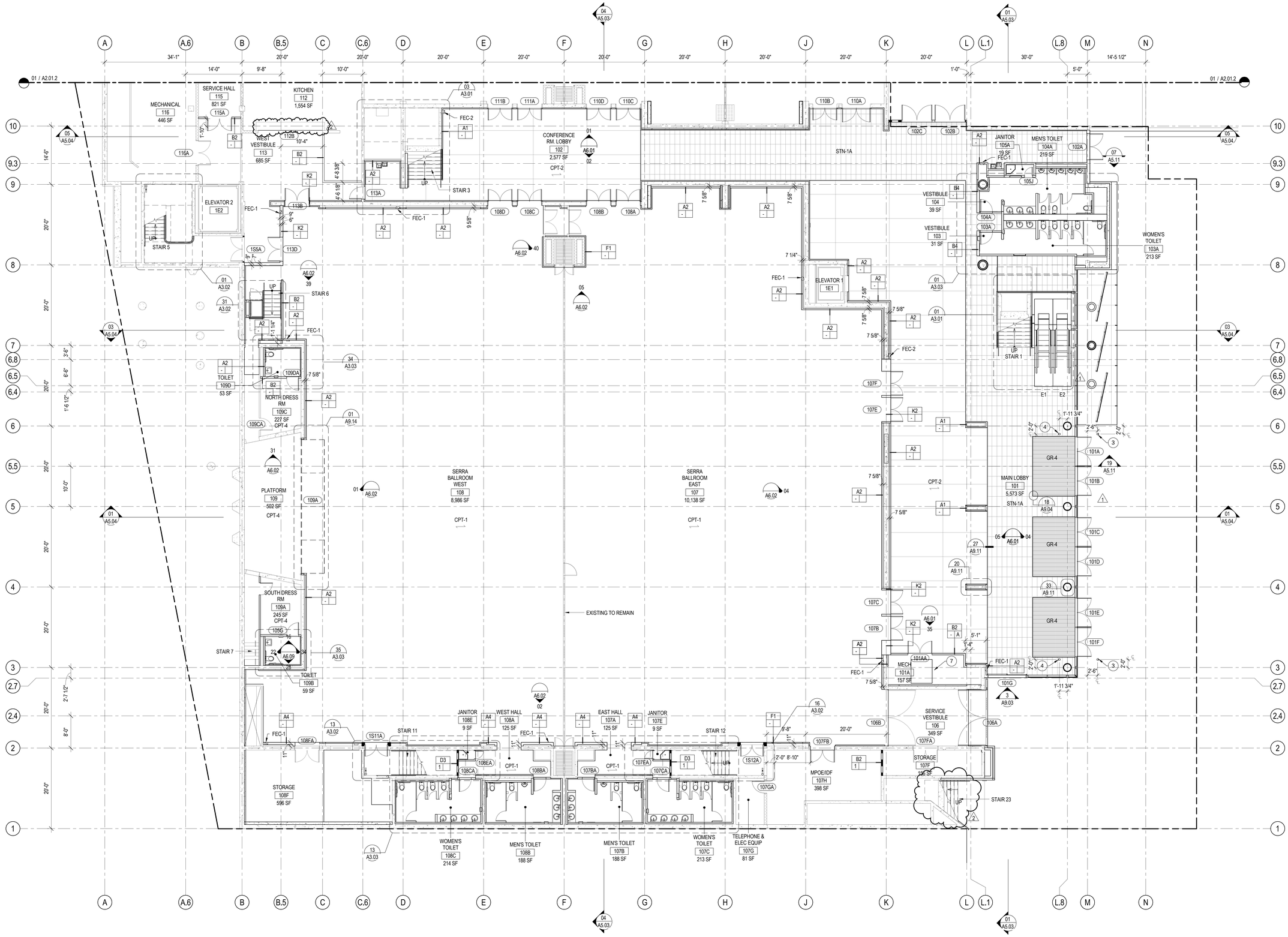
GENERAL NOTES - ENLARGED FLOOR PLANS

1. PARTITIONS ARE DIMENSIONED FROM FACE OF FINISH, UON.
2. ALL FURRINGS AT CONCRETE COLUMNS AND SHEAR WALLS ARE PARTITION TYPE 'F1' UON.
3. FIRE EXTINGUISHER LOCATIONS ARE SHOWN TO APPROXIMATE FINAL LOCATIONS.
4. PARTITIONS CENTERED ON THE GRID LINES ARE NOT DIMENSIONED AND ARE LOCATED AT THE CENTERLINE OF THE GRID.
5. REFER TO I-SERIES DRAWINGS FOR SYSTEM FURNITURE BACKING REQUIREMENT.
6. PRIOR TO DRILLING OR CORING INTO ANY EXISTING CONCRETE TO REMAIN, EXISTING REBAR AND POST-TENSION TENDON SHALL BE LOCATED BY SCANNING. REFER TO DETAIL 11/S6.00 AND 14/S5.19 FOR OTHER REQUIREMENTS OF POST-TENSION SLAB PENETRATIONS. SEE GENERAL NOTES NO. 15 ON A0.04 FOR COMPLETE NOTE.

SHEET NOTES - ENLARGED FLOOR PLAN

1 EXTERIOR INTUMESCENT SYSTEM
2 INTERIOR INTUMESCENT SYSTEM
3 PEDESTAL 1
4 PEDESTAL 2
5 PEDESTAL 3
7 CONCRETE HOUSEKEEPING PAD



ENLARGED FLOOR PLAN - LEVEL 1 - SOUTH
SCALE: 1/8" = 1'-0" 01

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	30% SUBMITTAL	20 FEB 2015
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1	ADDENDUM 1	11 SEPT 2015
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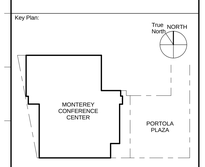
Key Plan:


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CLIFTON K. BOSWELL
C-26963
MAY 31 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:
ENLARGED FLOOR PLAN - LEVEL 1 - SOUTH

Project No.:	215004	Sheet No.:
Drawn By:	Author	A2.01.1
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Scale:	As indicated	

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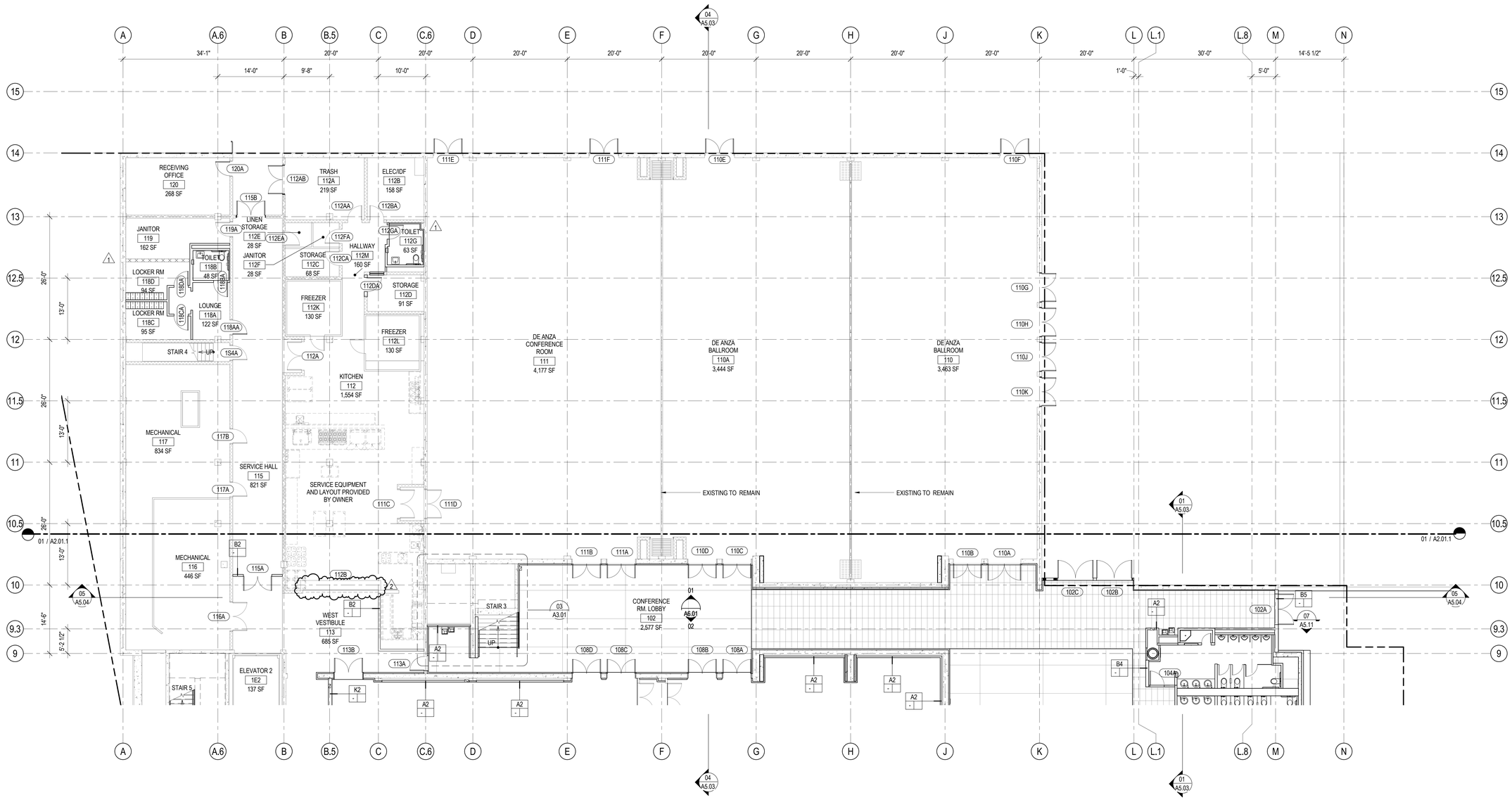

ENLARGED FLOOR PLAN - LEVEL 1 - NORTH

SCALE: 1/8" = 1'-0" 01

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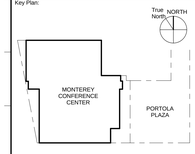
1	ADDENDUM 1	11 SEPT 2015
2	ADDENDUM 2	18 SEPT 2015

Key Plan:



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CLIFTON K. BOSWELL
C-26963
MAY 31 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:

ENLARGED FLOOR PLAN - LEVEL 1 - NORTH

Project No.:	Sheet No.:
215004	A2.01.2
Drawn By: Author	
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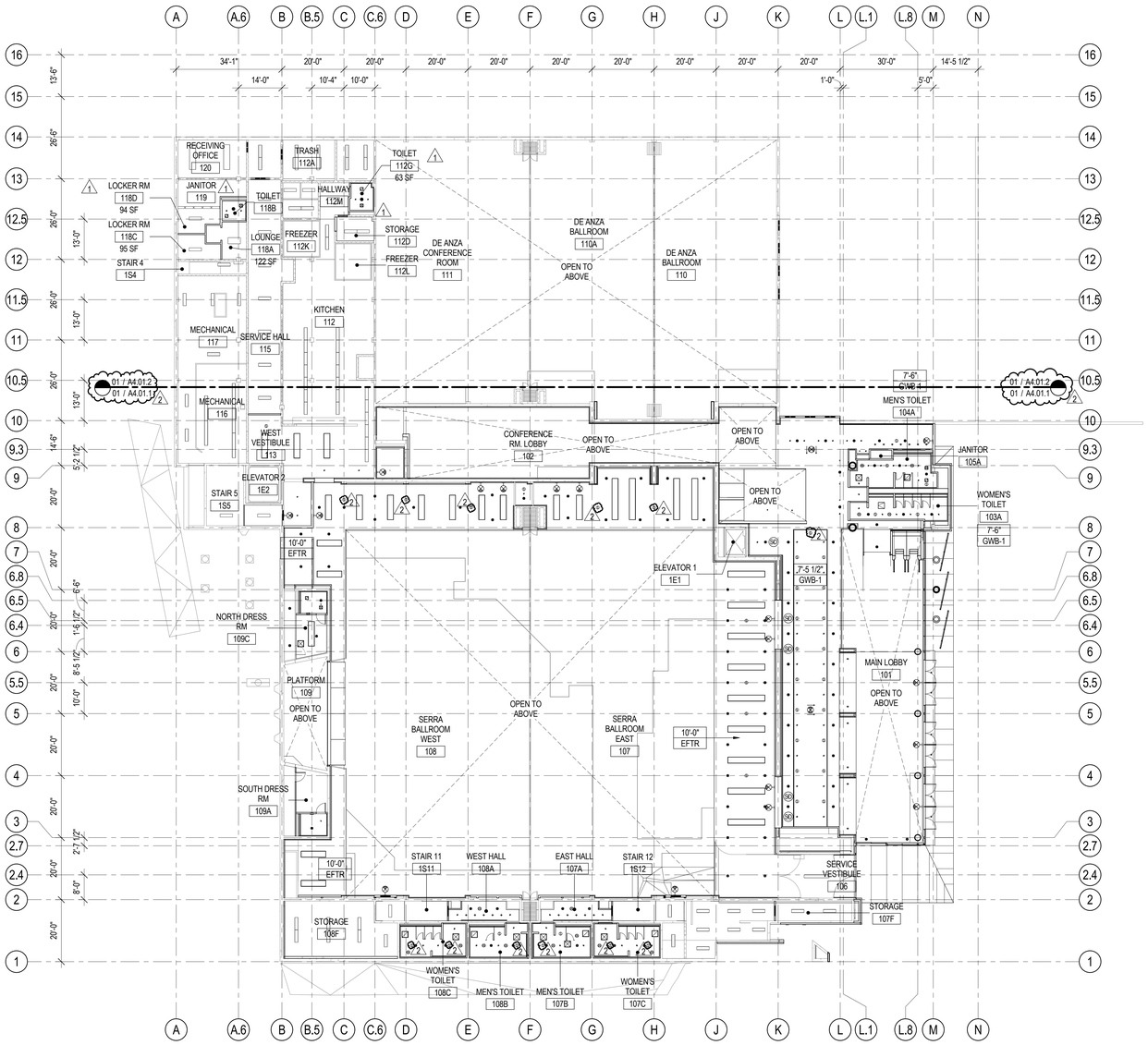

REFLECTED CEILING PLAN - LEVEL 1
SCALE: 1/16" = 1'-0" 01

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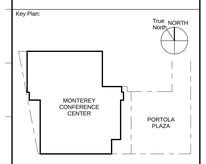
Key Plan:



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C-26963
MAY 3 1 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:

REFLECTED CEILING PLAN - LEVEL 1

Project No.: 215004	Sheet No.: A4.01
Drawn By: Author	
Checked By: Checker	
Scale: 1/16" = 1'-0"	

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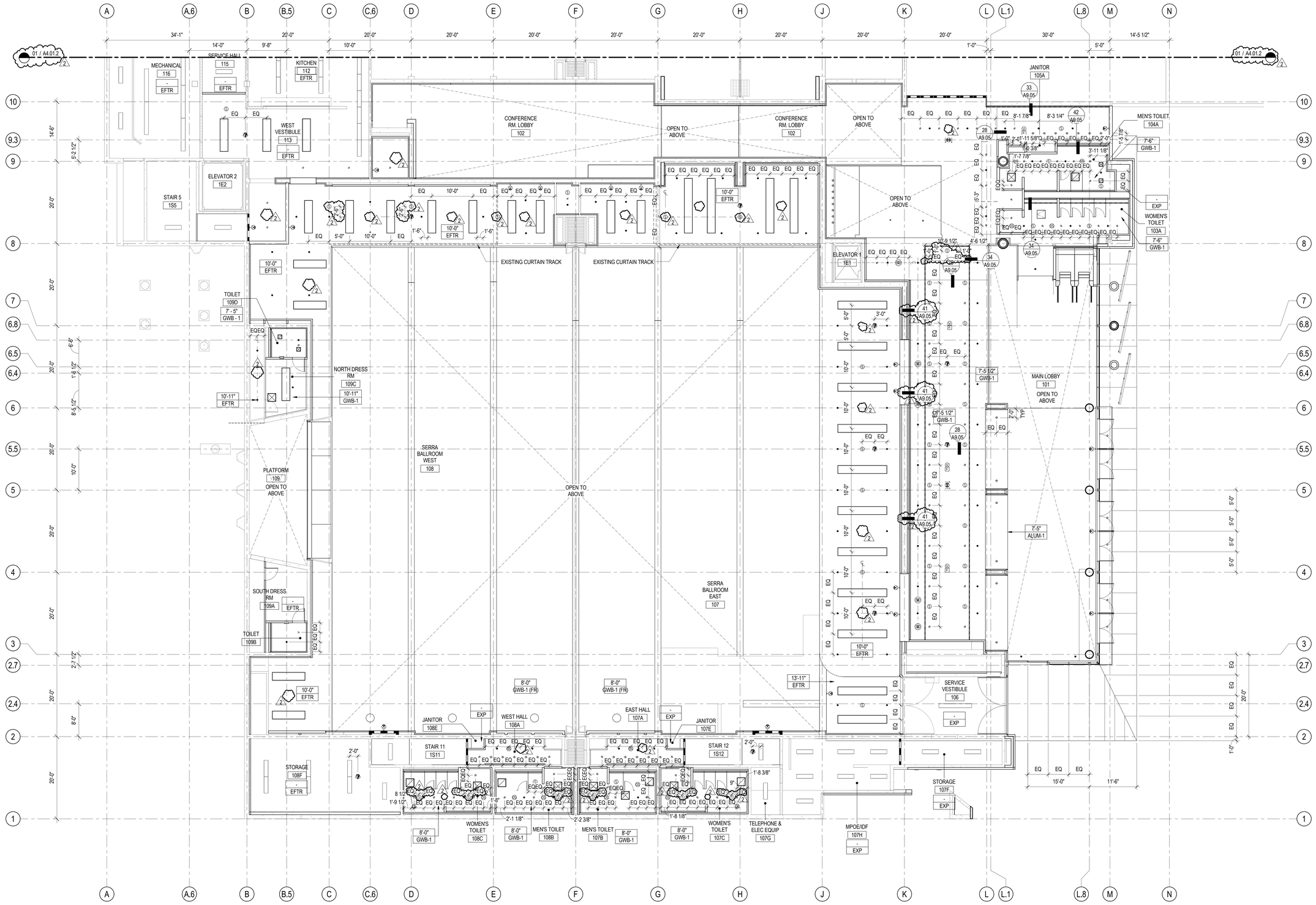

REFLECTED CEILING PLAN - LEVEL 1 - SOUTH

SCALE: 1/8" = 1'-0" 01

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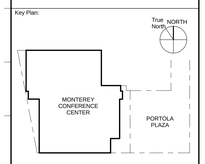

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MAY 3 1 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:

ENLARGED REFLECTED CEILING PLAN - LEVEL 1 - SOUTH

Project No.:	Sheet No.:
215004	A4.01.1
Drawn By: Author	
Checked By: Checker	
Scale: 1/8" = 1'-0"	

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Agreement #: Ag-5097 - Page 367 of 529
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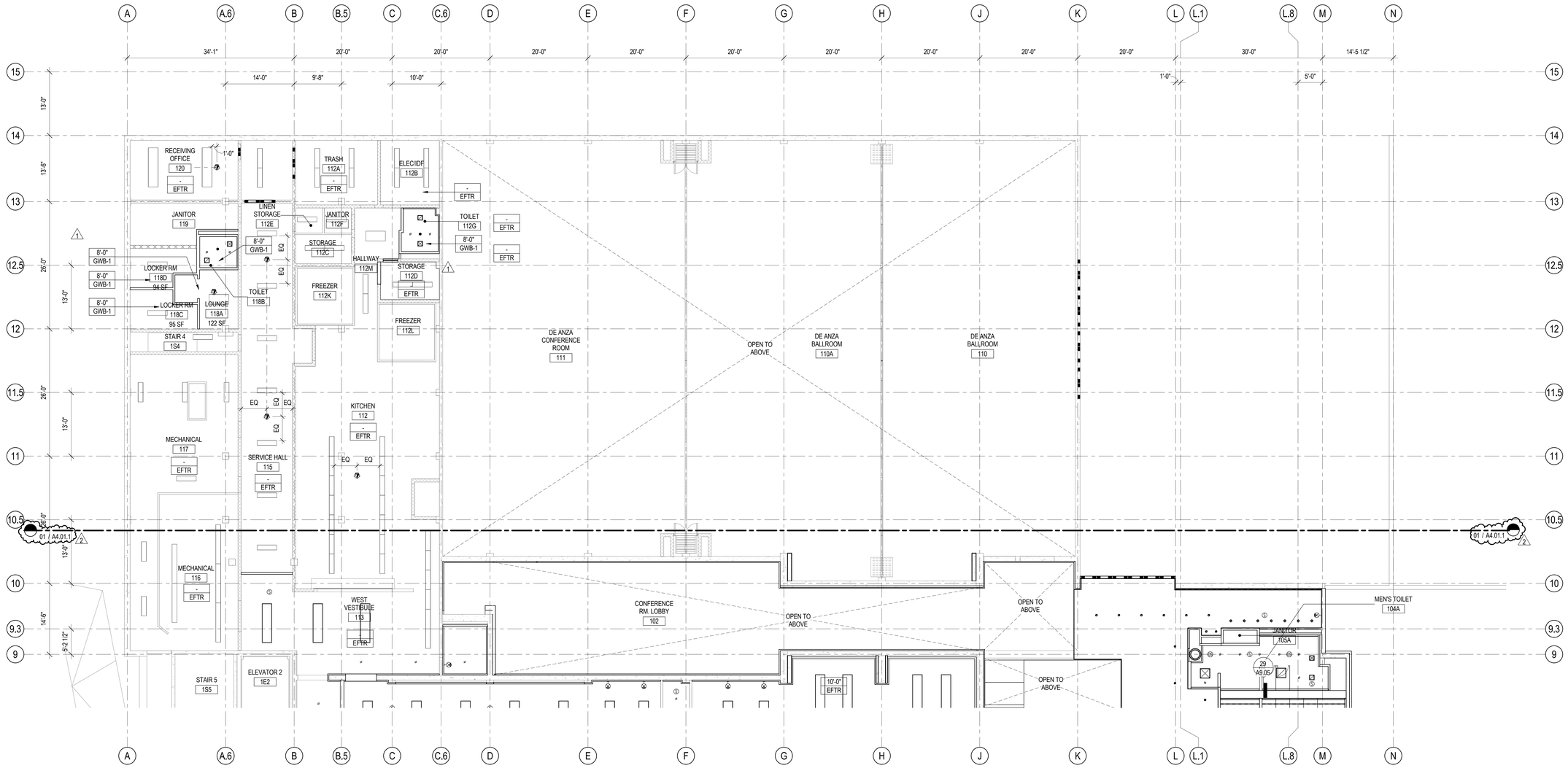

REFLECTED CEILING PLAN - LEVEL 1 - NORTH 01
SCALE: 1/8" = 1'-0"

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL

580 PACIFIC STREET, MONTEREY, CA 93940
TEL: (831) 646-5601

Architect / Engineer:

SOM

SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

Consultants:

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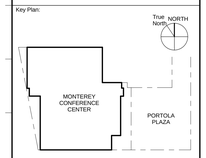
No.	Description:	Date:
	30% SUBMITTAL	20 FEB 2015
	60% PROJECT COMPLETION	15 MAY 2015
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015
1	ADDENDUM 1	11 SEPT 2015
2	ADDENDUM 2	18 SEPT 2015

Key Plan:



Seal & Signature:

LICENSED ARCHITECT
CLIFTON K. BOSWELL
C-26963
MAY 3 1 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:

ENLARGED REFLECTED CEILING PLAN - LEVEL 1 - NORTH

Project No.:	215004	Sheet No.:
Drawn By:	Author	A4.01.2
Checked By:	Checker	
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Agreement #: Ag-5097 - Page 367 of 529
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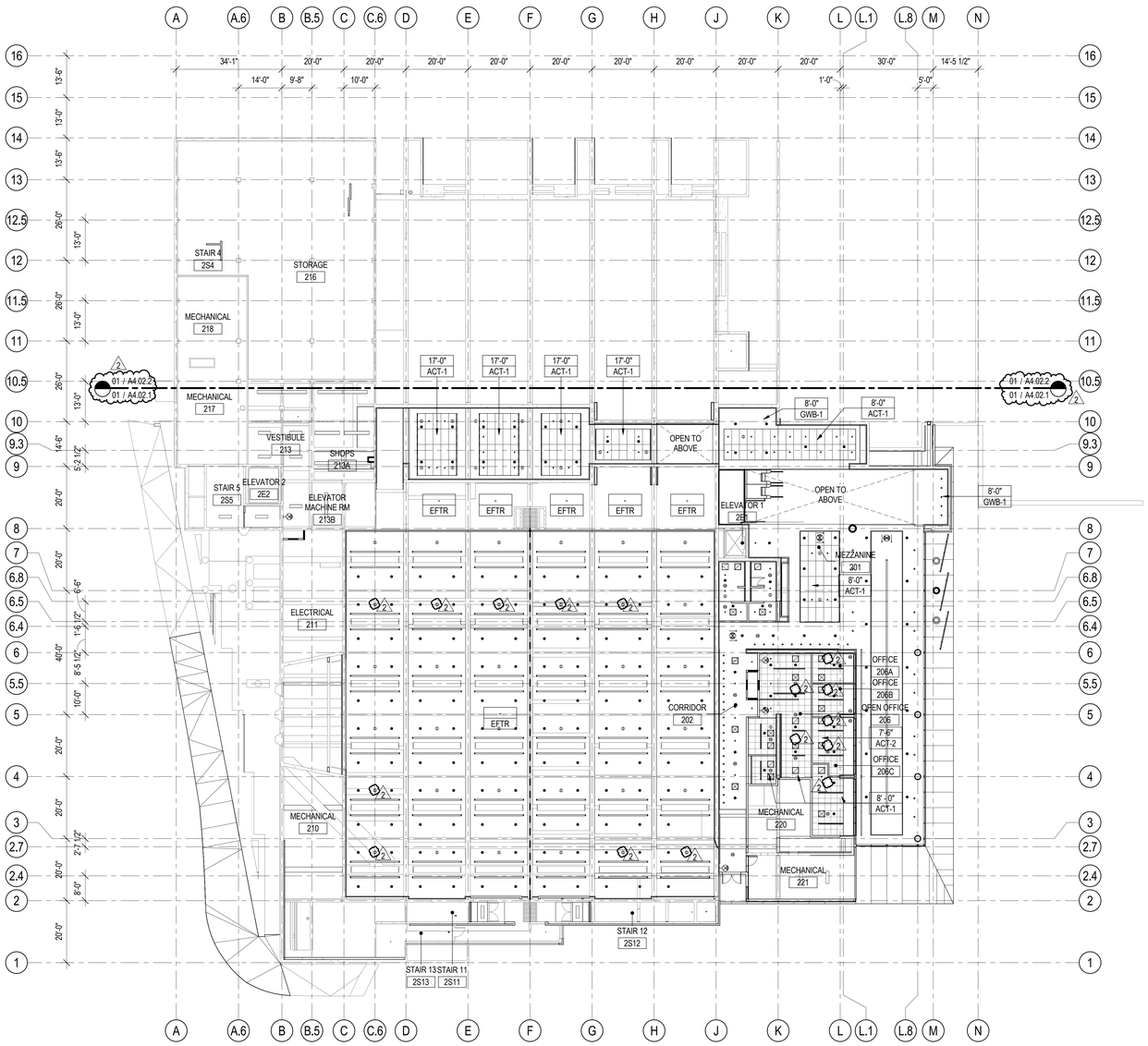
City Attorney
Date



REFLECTED CEILING PLAN - MEZZANINE LEVEL 01
SCALE: 1/16" = 1'-0"

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL
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No.	Description:	Date:
	30% SUBMITTAL	20 FEB 2015
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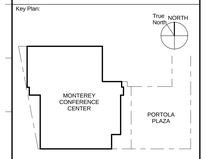
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015
2	ADDENDUM 2	18 SEPT 2015

Key Plan:



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LICENSED ARCHITECT
CLIFTON K. BOSWELL
C-26963
MAY 3 1 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:

REFLECTED CEILING PLAN - MEZZANINE LEVEL

Project No.:	Sheet No.:
215004	A4.02
Drawn By: Author	
Checked By: Checker	
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Agreement #: Ag-5097 - Page 367 of 529
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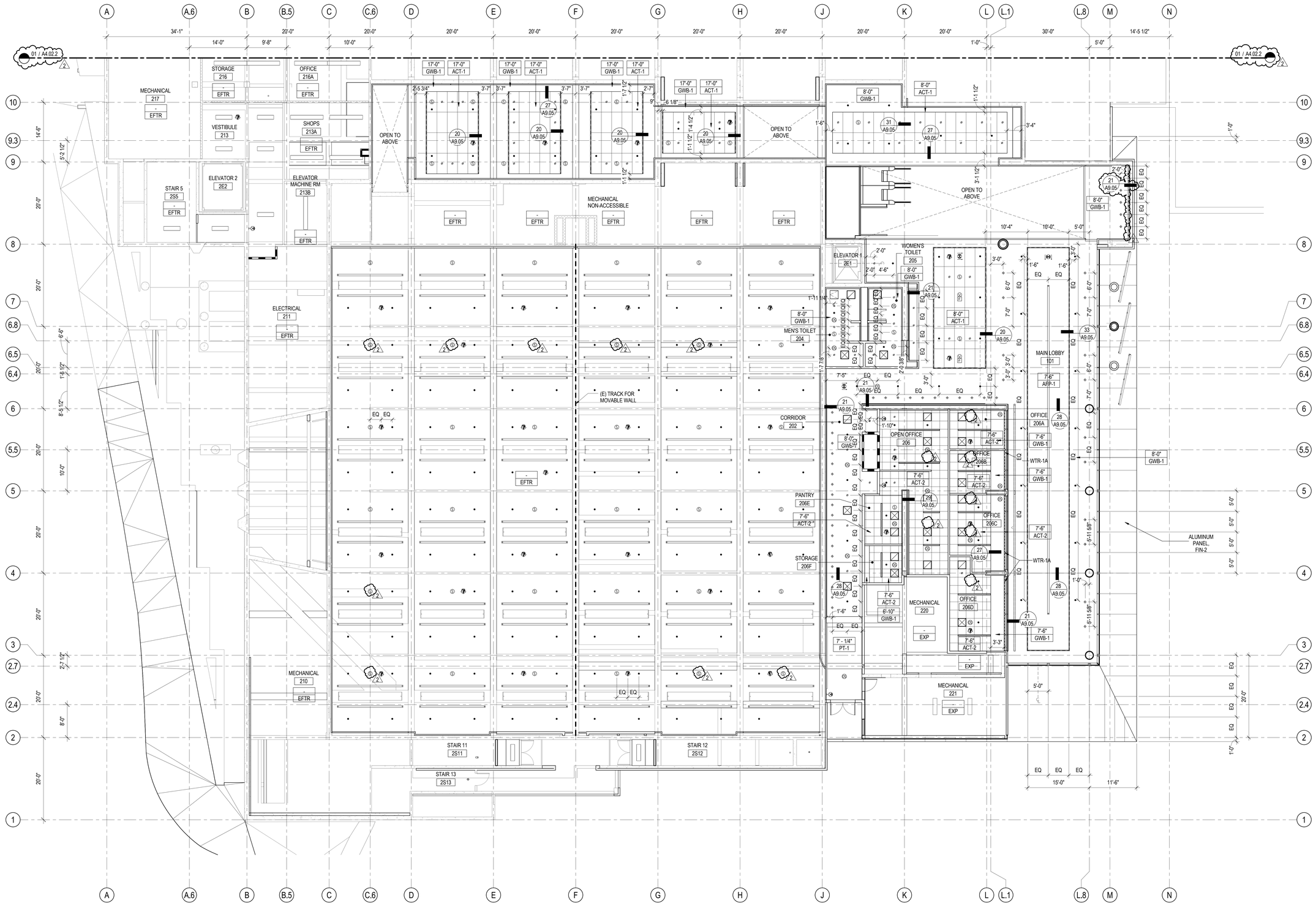
Date



REFLECTED CEILING PLAN - MEZZANINE LEVEL - SOUTH

SCALE: 1/8" = 1'-0"

01

MONTEREY CONFERENCE CENTER
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CITY OF MONTEREY
CITY HALL

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Architect / Engineer:

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SAN FRANCISCO, CA 94111

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No.	Description:	Date:
	30% SUBMITTAL	20 FEB 2015
	60% PROJECT COMPLETION	15 MAY 2015
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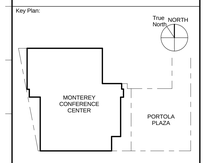
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015
2	ADDENDUM 2	18 SEPT 2015

Key Plan:



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LICENSED ARCHITECT
CLIFTON K. BOSWELL
C-26963
MAY 31 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:

ENLARGED REFLECTED CEILING PLAN - MEZZANINE LEVEL - SOUTH

Project No.:	Sheet No.:
215004	A4.02.1
Drawn By: Author	
Checked By: Checker	
Scale: 1/8" = 1'-0"	

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Agreement #: Ag-5097 - Page 367 of 529
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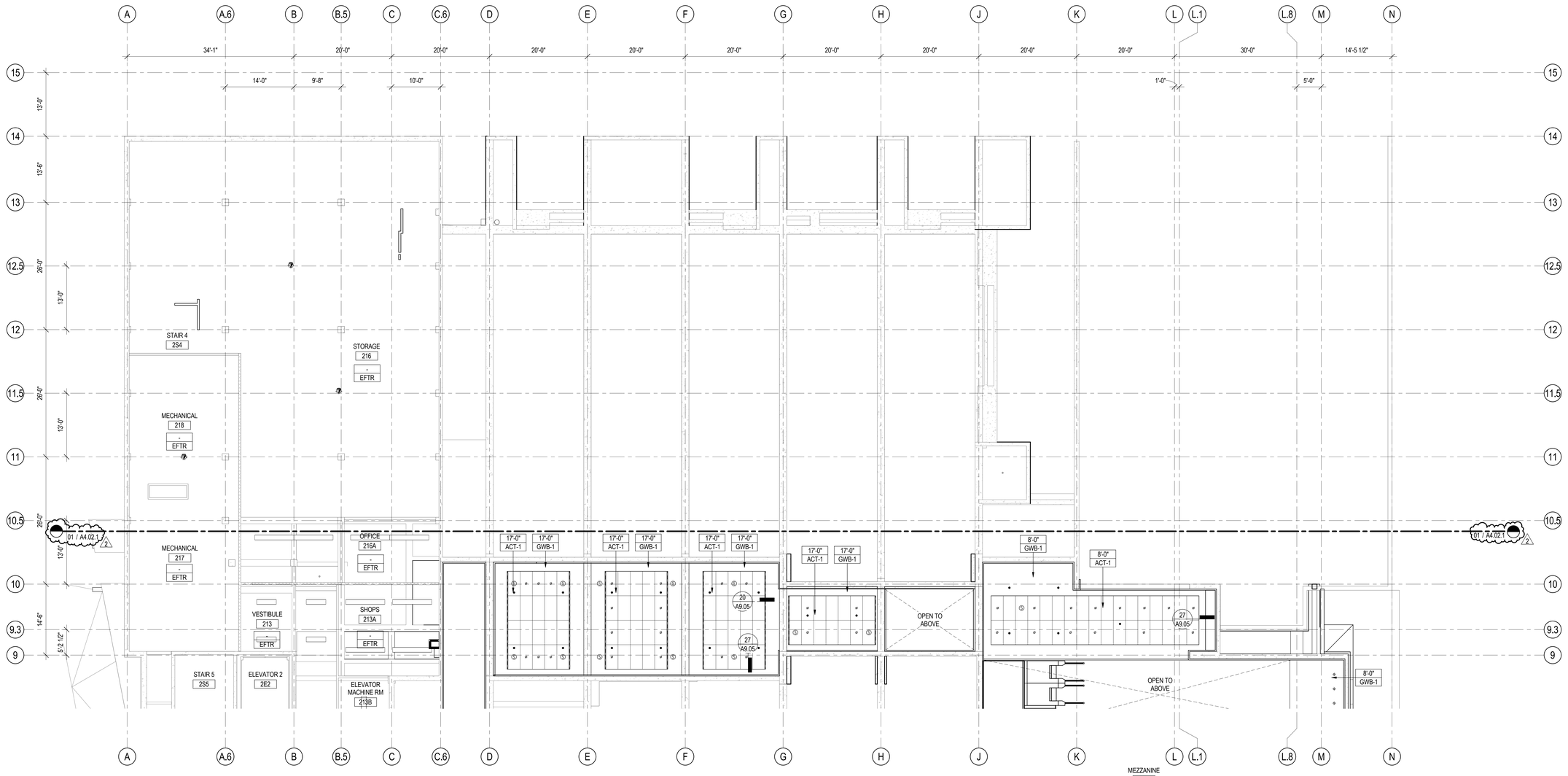

REFLECTED CEILING PLAN - MEZZANINE LEVEL - NORTH 01

SCALE: 1/8" = 1'-0"

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL

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SAN FRANCISCO, CA 94111

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No.	Description:	Date:
	30% SUBMITTAL	20 FEB 2015
	60% PROJECT COMPLETION	15 MAY 2015
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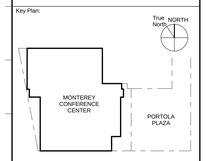
Key Plan:



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LICENSED ARCHITECT
CLIFTON K. BOSWELL
C-26963
MAY 31 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:

ENLARGED REFLECTED CEILING PLAN - MEZZANINE LEVEL - NORTH

Project No.: 215004
Sheet No.: A4.02.2
Drawn By: Author
Checked By: Checker
Scale: 1/8" = 1'-0"

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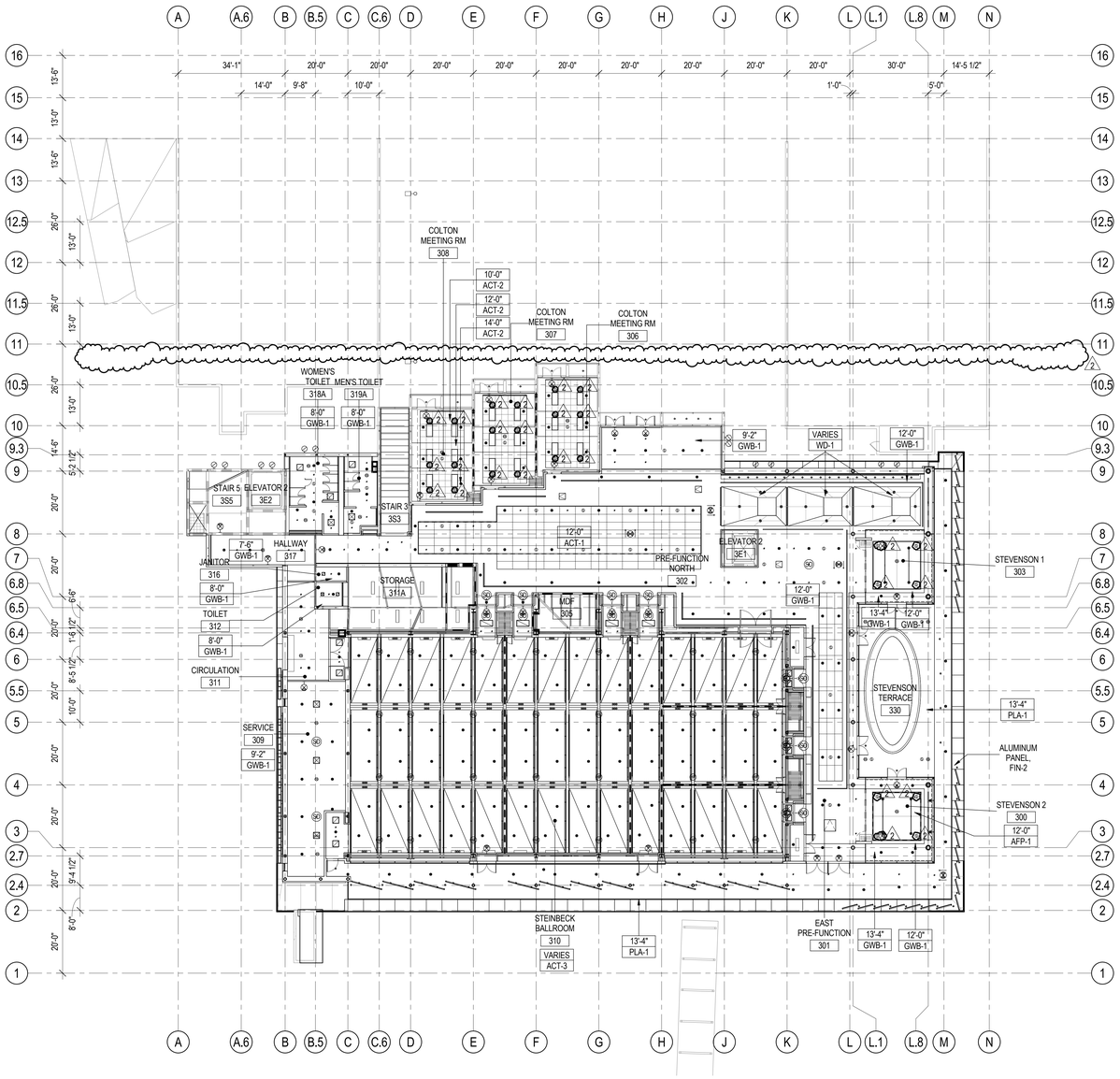
Agreement #: Ag-5097 - Page 367 of 529
Approved as to Form
CAO
DSD



REFLECTED CEILING PLAN - LEVEL 2
SCALE: 1/16" = 1'-0" 01

MONTEREY CONFERENCE CENTER
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580 PACIFIC STREET, MONTEREY, CA 93940
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Architect / Engineer:

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SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

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	30% SUBMITTAL	20 FEB 2015
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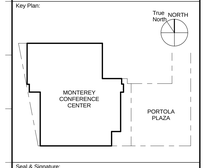
2	ADDENDUM 2	18 SEPT 2015

Key Plan:



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CLIFTON K. BOSWELL
C-26963
MAY 31 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:

REFLECTED CEILING PLAN - LEVEL 2

Project No.:	Sheet No.:
215004	A4.03
Drawn By: Author	
Checked By: Checker	
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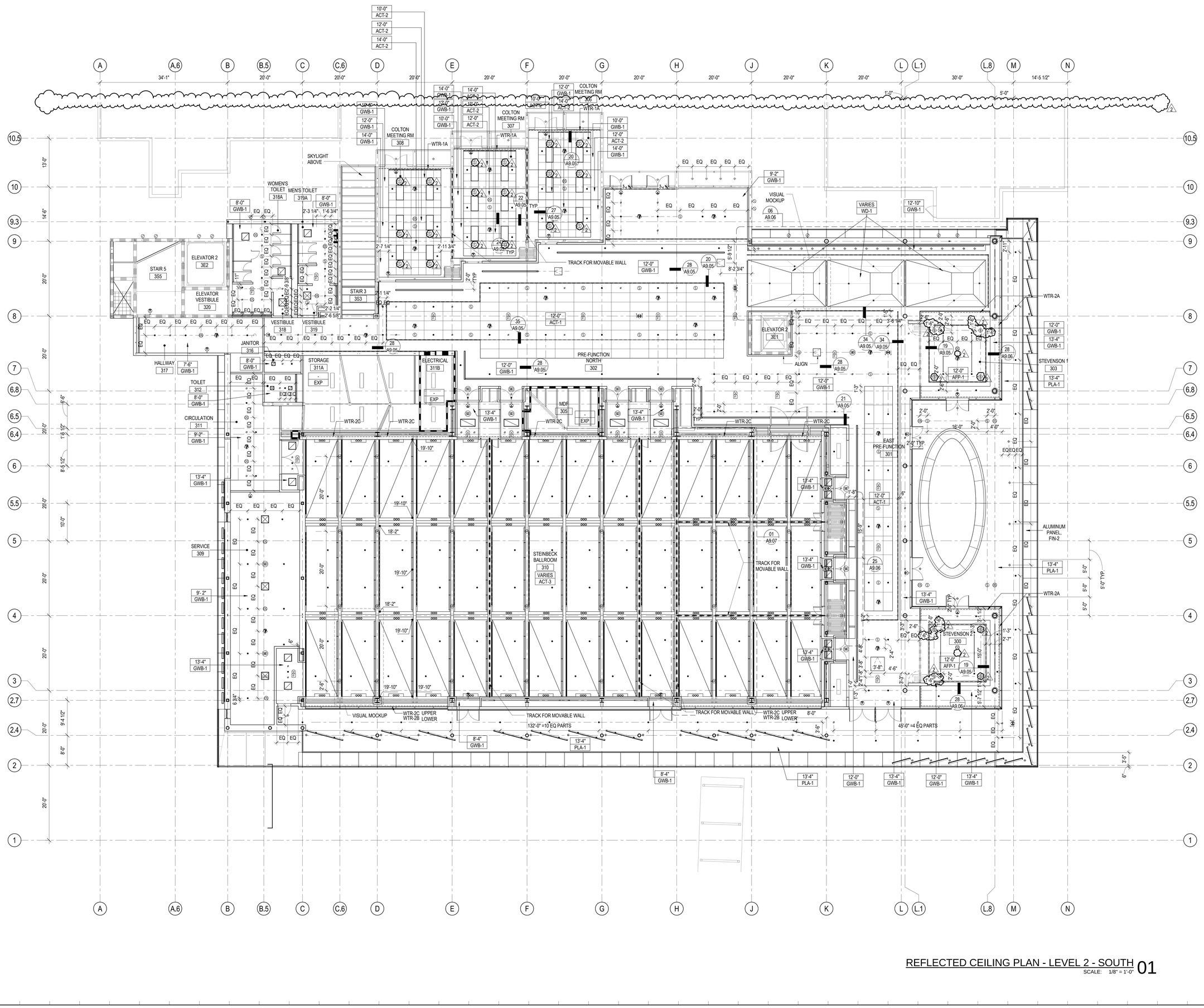
Agreement #: Ag-5097 - Page 367 (Add) (Del) Approved as to Form 29



REFLECTED CEILING PLAN - LEVEL 2 - SOUTH 01

SCALE: 1/8" = 1'-0"

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ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL
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TEL: (831) 646-5601

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SAN FRANCISCO, CA 94111

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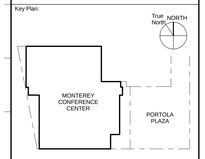
Key Plan:



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CLIFTON K. BOSWELL
C-26963
MAY 31 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:

ENLARGED REFLECTED CEILING PLAN - LEVEL 2 - SOUTH

Project No.:	Sheet No.:
215004	A4.03.1
Drawn By: Author	
Checked By: Checker	
Scale: 1/8" = 1'-0"	

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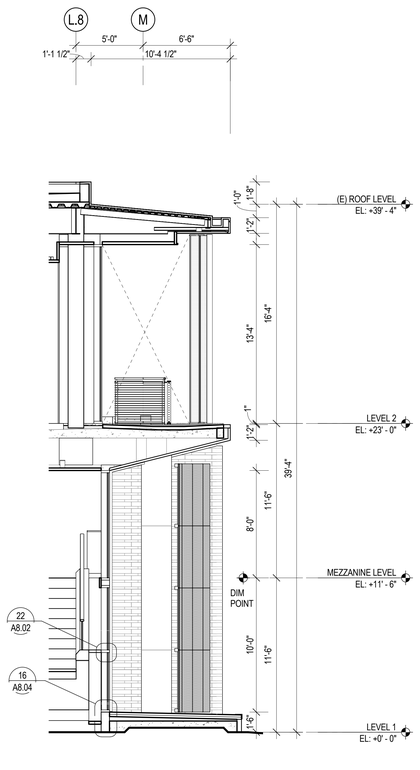
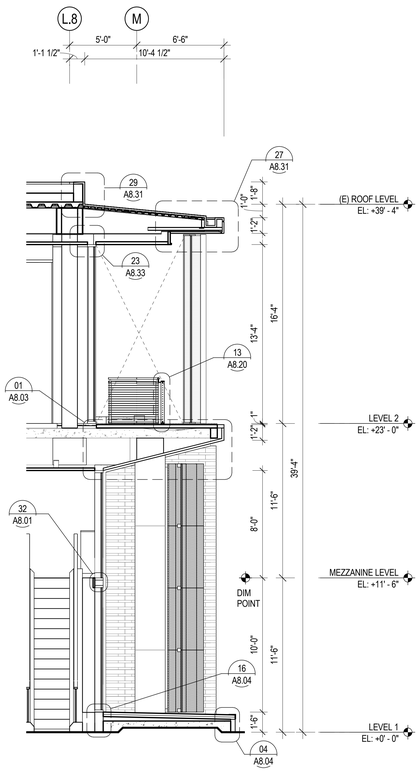
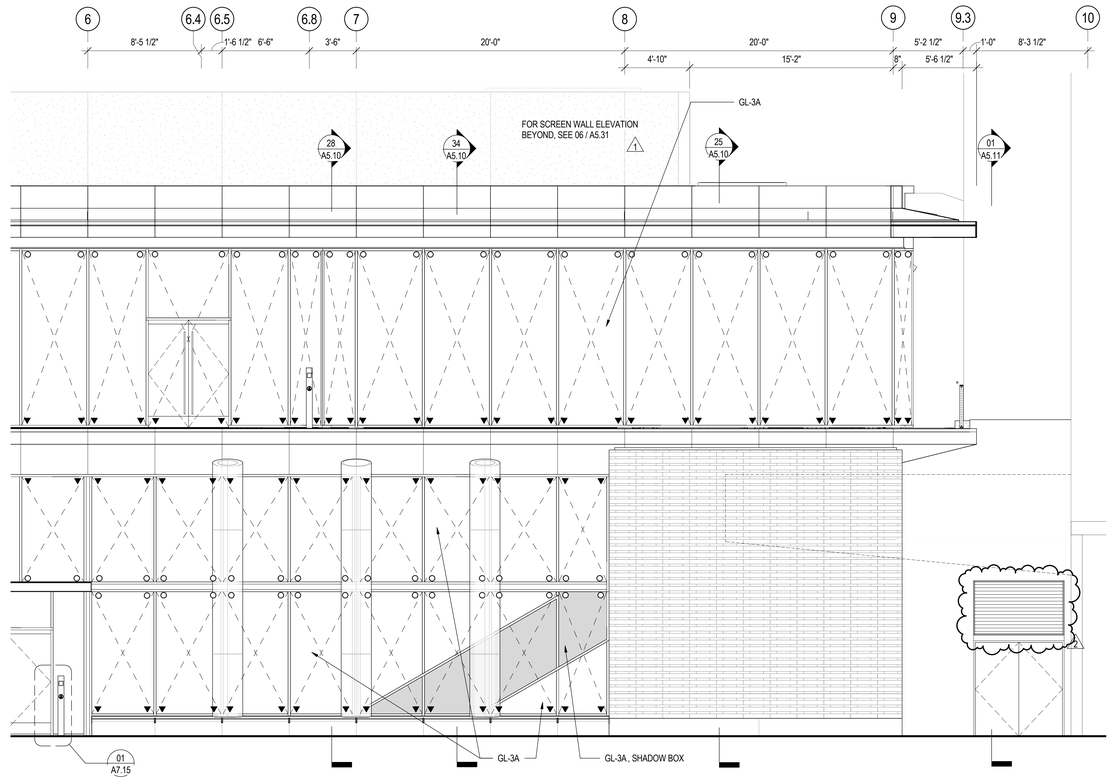
Agreement #: Ag-5097 - Page 367 of 529
Approved as to Form
CAO
OWN



PARTIAL SECTION 34
SCALE: 1/4" = 1'-0"
SEE 28/-- FOR DETAIL CALLOUTS UON

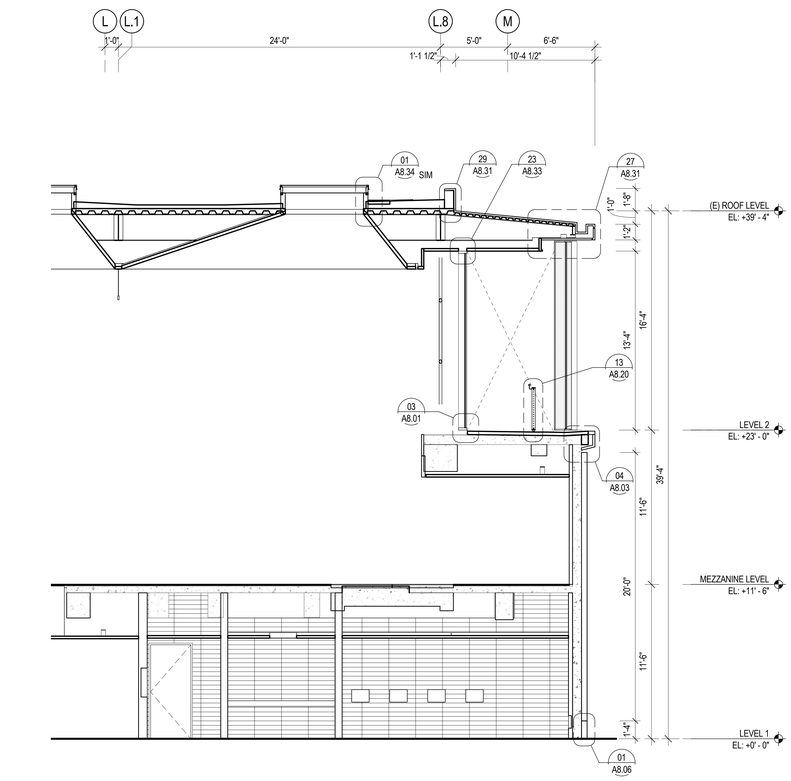


PARTIAL SECTION 28
SCALE: 1/4" = 1'-0"

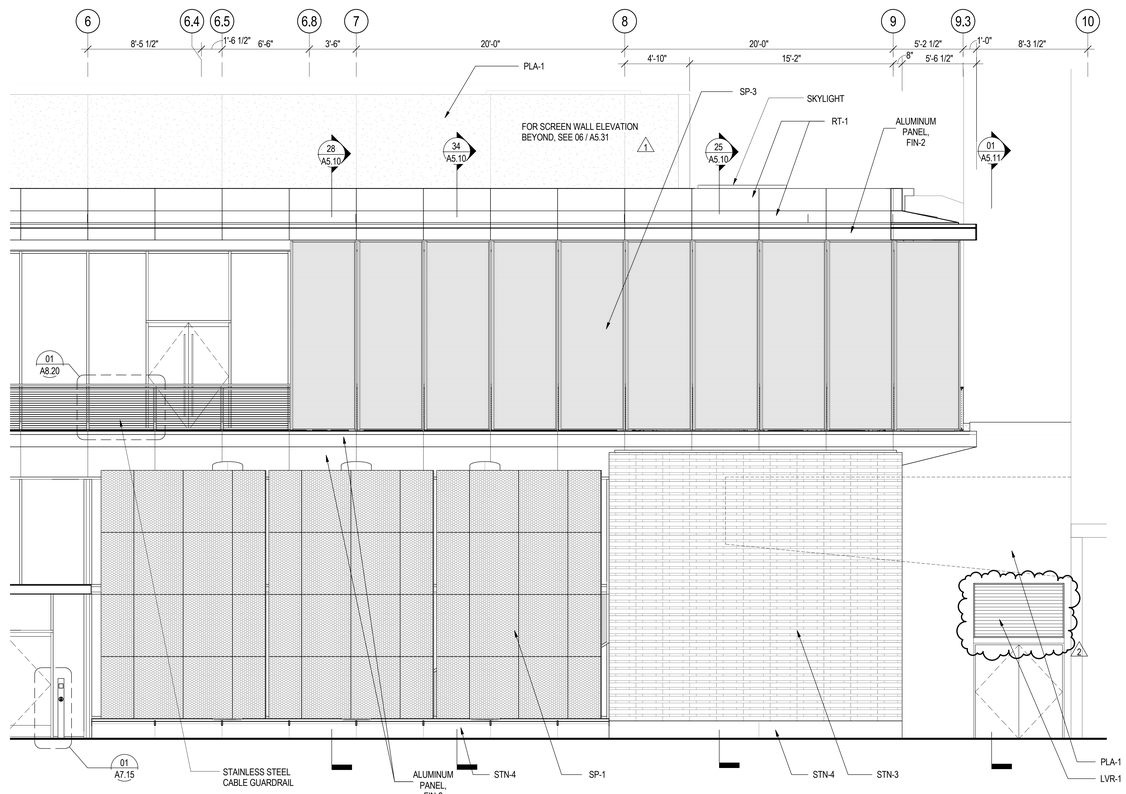


LEGEND
- UNIT
- GRAVITY CONNECTION
- LATERAL CONNECTION

EAST PARTIAL WINDOW WALL ELEVATION
(WITHOUT SCREENS)
SCALE: 1/4" = 1'-0" 04



PARTIAL SECTION 25
SCALE: 1/4" = 1'-0"



EAST PARTIAL ELEVATION
(WITH SCREENS)
SCALE: 1/4" = 1'-0" 01

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL
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Architect / Engineer:
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SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

Consultants:

Issued For:

No.	Description:	Date:
	60% PROJECT COMPLETION	15 MAY 2015
	PERMIT SET	15 JUNE 2015
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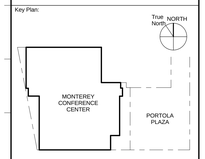
	BID SET	26 AUG 2015
1	ADDENDUM 1	11 SEPT 2015
2	ADDENDUM 2	18 SEPT 2015

Key Plan:



Seal & Signature:

LICENSED ARCHITECT
CLIFTON K. BOSWELL
C-26963
MAY 3 1 2017
RENEWAL DATE
STATE OF CALIFORNIA

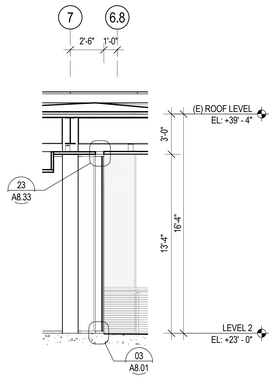
Sheet Name:

ENLARGED BUILDING EXTERIOR ELEVATIONS & SECTIONS

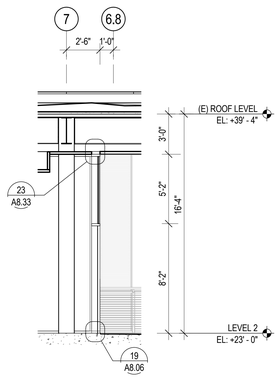
Project No.: 215004	Sheet No.: A5.10
Drawn By: Author	
Checked By: Checker	
Scale: As indicated	

9/15/2015 8:11:27 PM

Agreement #: Ag-5097 - Page 367
Approved as to Form
CAO
CMO
§ 29



PARTIAL SECTION 27
SCALE: 1/4" = 1'-0"



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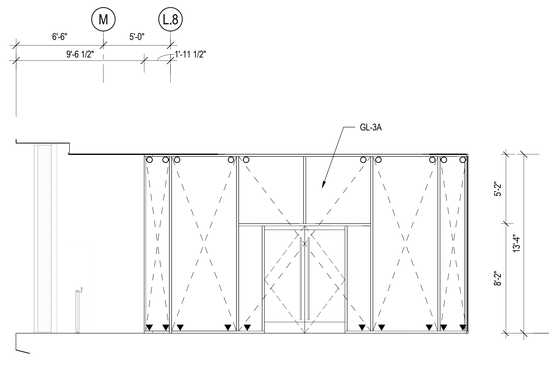
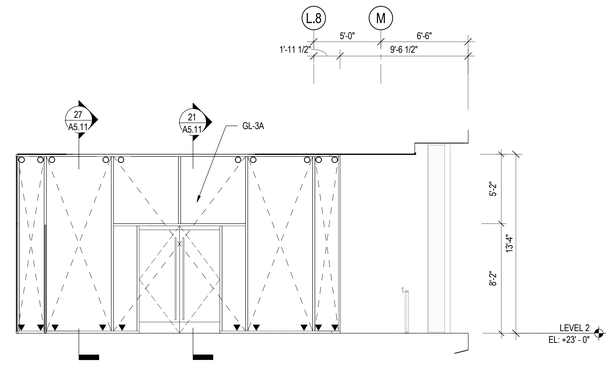
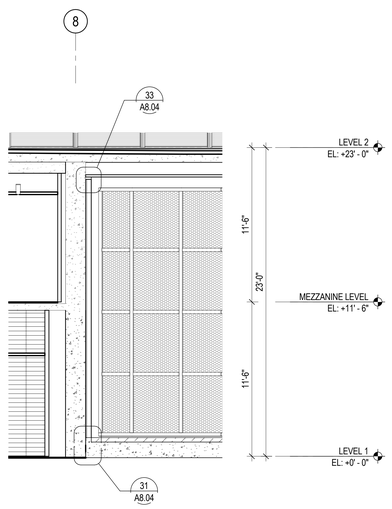


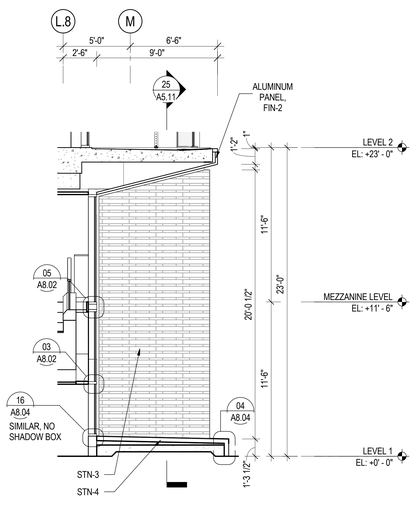
EAST TERRACE SOUTH ELEVATION 15
SCALE: 1/4" = 1'-0"



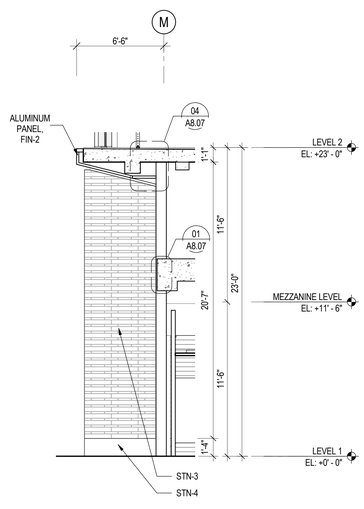
EAST TERRACE NORTH ELEVATION 03
SCALE: 1/4" = 1'-0"



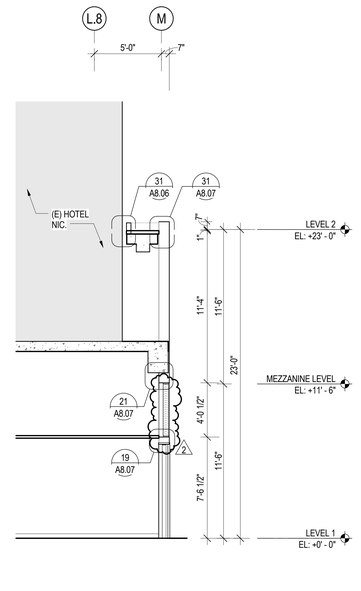
PARTIAL SECTION 25
SCALE: 1/4" = 1'-0"



STONE WALL SOUTH ELEVATION 19
SCALE: 1/4" = 1'-0"



STONE WALL NORTH ELEVATION 07
SCALE: 1/4" = 1'-0"



PARTIAL SECTION 01
SCALE: 1/4" = 1'-0"

MONTEREY CONFERENCE CENTER
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CITY OF MONTEREY
CITY HALL
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TEL: (831) 646-5601

Architect / Engineer:

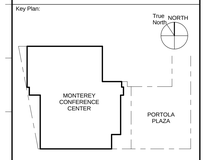
SOM
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

Consultants:

Issued For:

No.	Description:	Date:
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015
2	ADDENDUM 2	18 SEPT 2015

Key Plan:



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LICENSED ARCHITECT
CLIFTON K. BOSWELL
C-26963
MAY 9 1 2017
RENEWAL
DATE
STATE OF CALIFORNIA

Sheet Name:

ENLARGED BUILDING EXTERIOR ELEVATIONS & SECTIONS

Project No.:	215004	Sheet No.:
Drawn By:	Author	A5.11
Checked By:	Checker	
Scale:	1/4" = 1'-0"	

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Agreement #: Ag-5097 - Page 367 of 529
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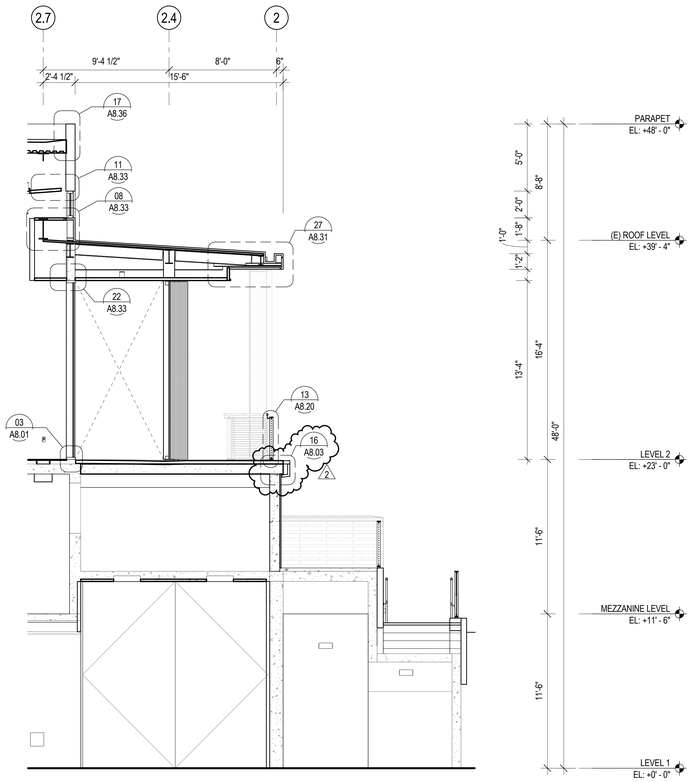
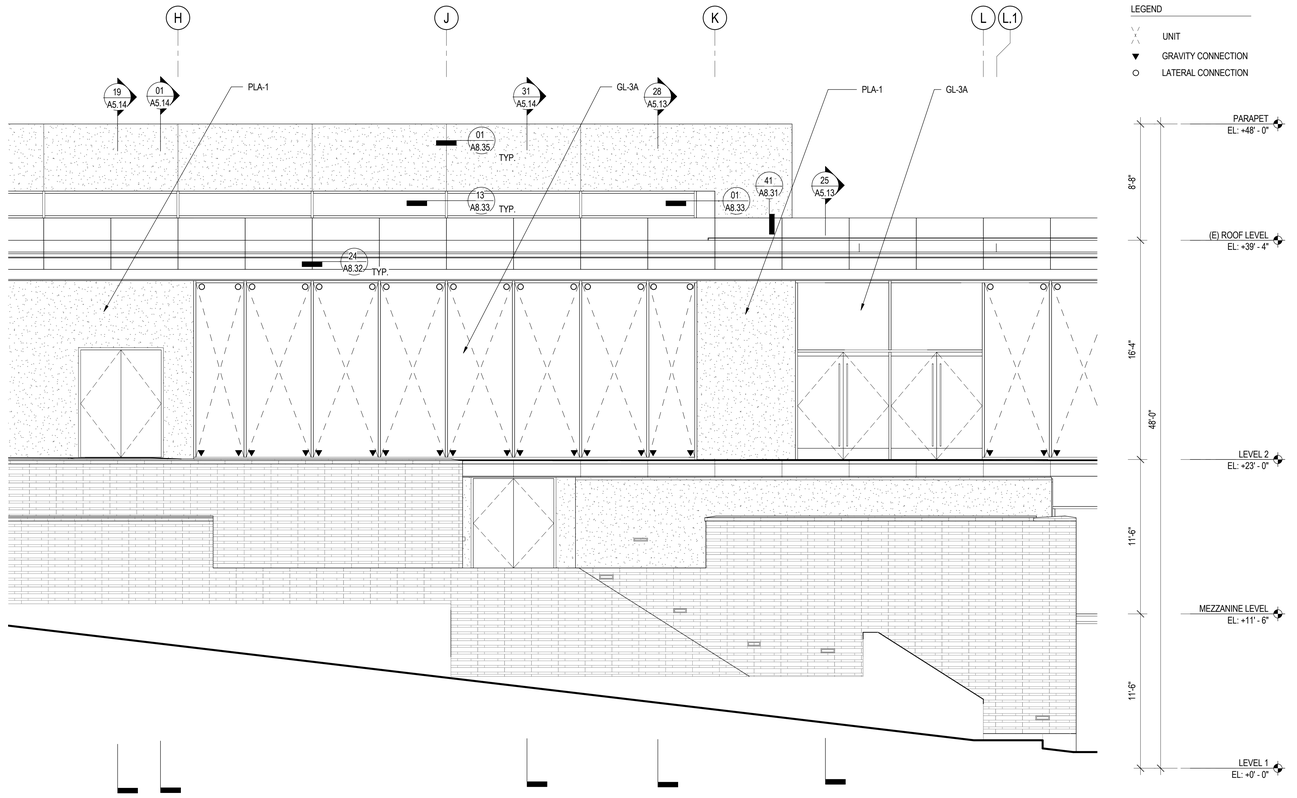
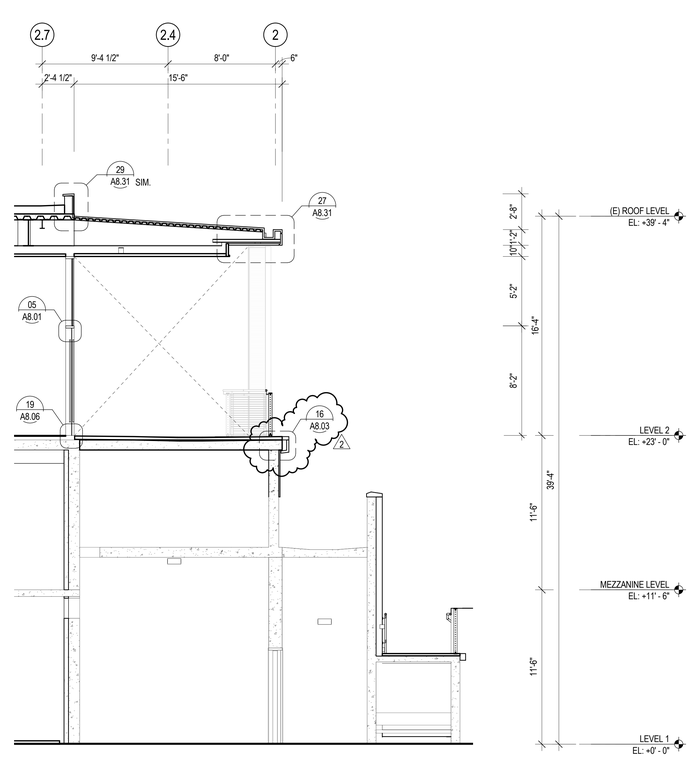


PARTIAL SECTION 28
SCALE: 1/4" = 1'-0"



SOUTH PARTIAL WINDOW WALL ELEVATION
(WITHOUT SCREENS)
SCALE: 1/4" = 1'-0" 04



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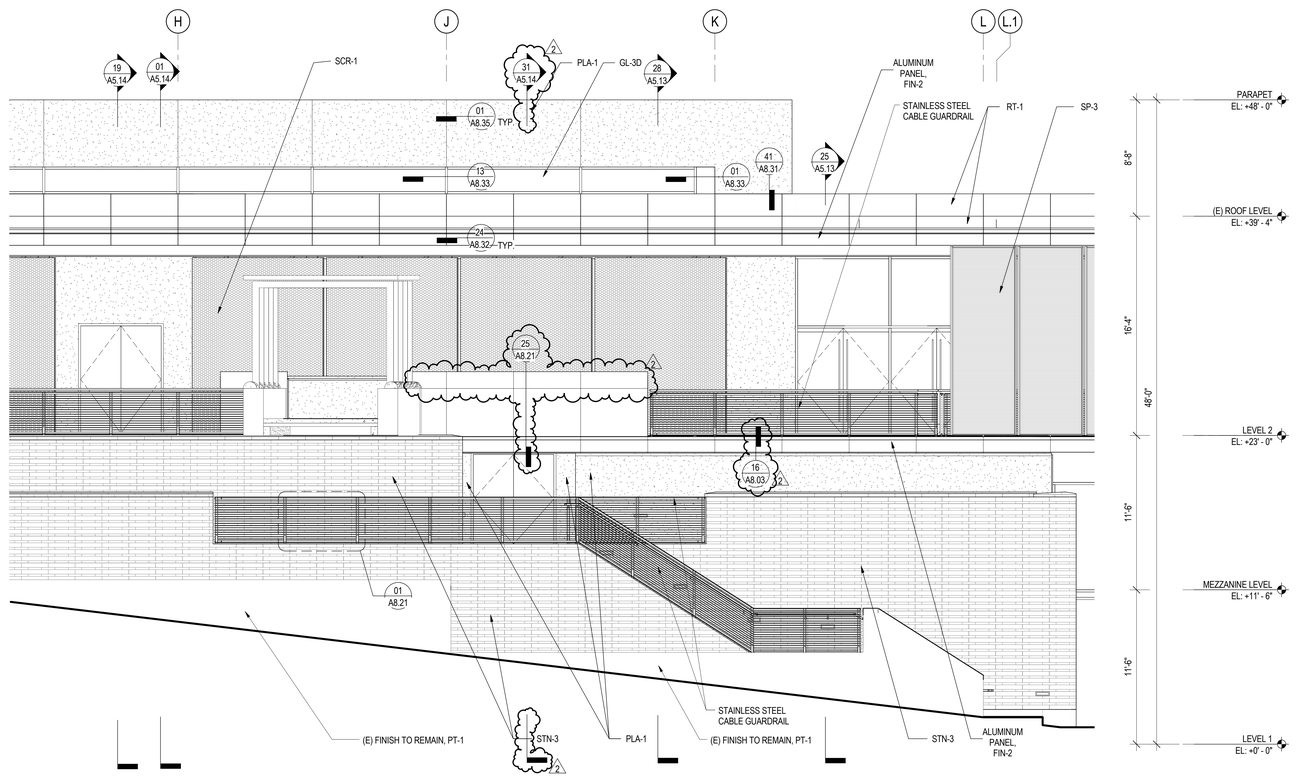


SOUTH PARTIAL ELEVATION
(WITH SCREENS)
SCALE: 1/4" = 1'-0" 01

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL
580 PACIFIC STREET, MONTEREY, CA 93940
TEL: (831) 646-5601

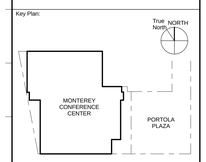
Architect / Engineer:
SOM
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

Consultants:

Issued For:

No.	Description:	Date:
	60% PROJECT COMPLETION	15 MAY 2015
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015
2	ADDENDUM 2	18 SEPT 2015

Key Plan:



Seal & Signature:

LICENSED ARCHITECT
CLIFTON K. BOSWELL
C-26963
MAY 3 1 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:

ENLARGED BUILDING EXTERIOR ELEVATIONS & SECTIONS

Project No.:	215004	Sheet No.:
Drawn By:	Author	A5.13
Checked By:	Checker	
Scale:	As indicated	

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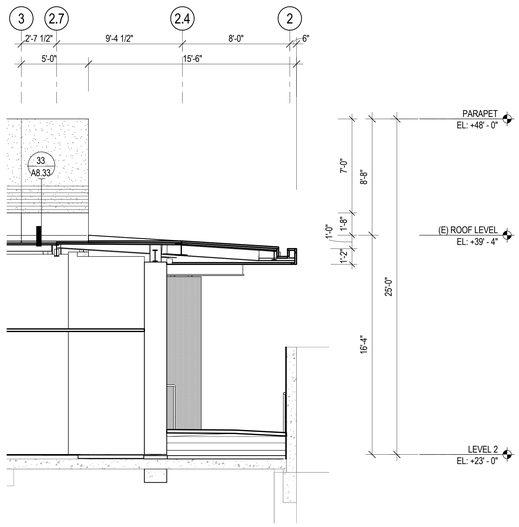
Agreement #: Ag-5097 - Page 367
Approved as to Form
Date
By 29



PARTIAL SECTION 22
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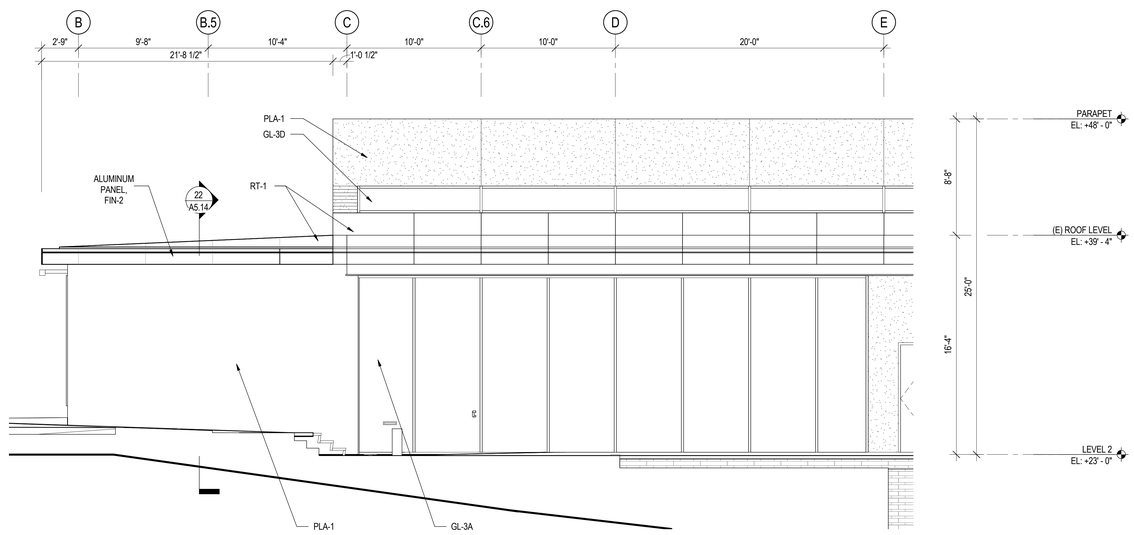

SOUTH PARTIAL ELEVATION 04
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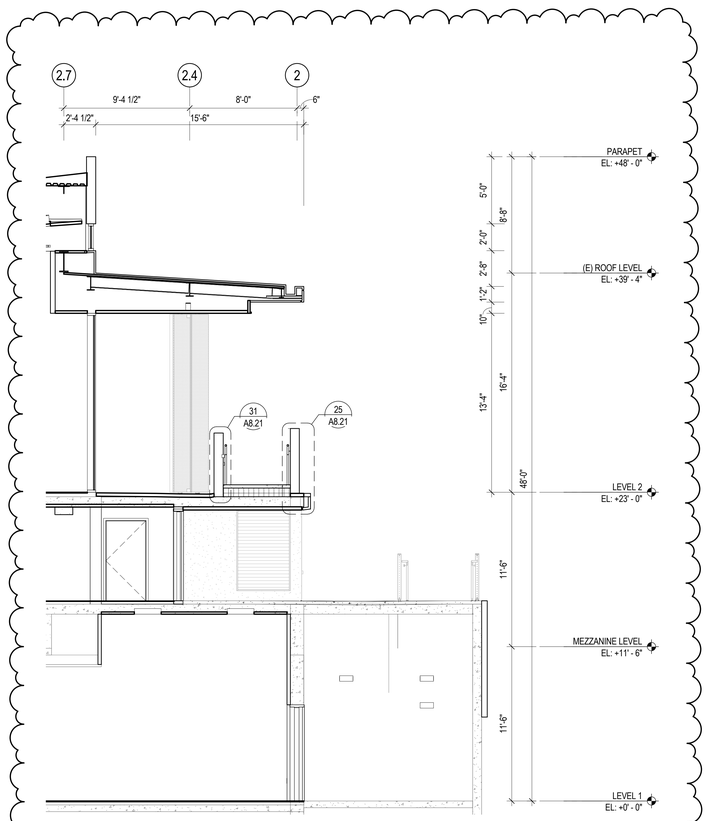
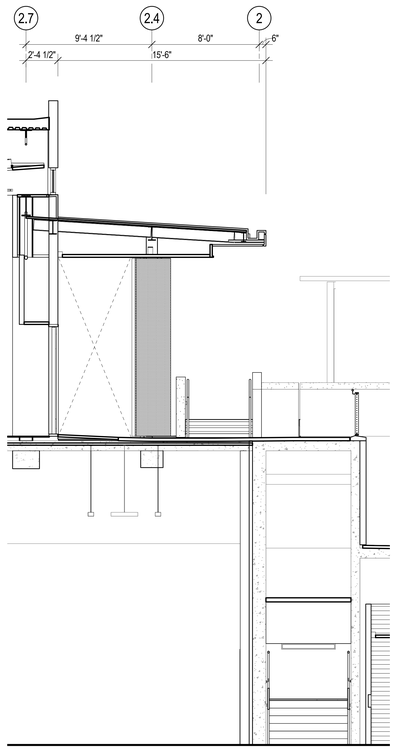
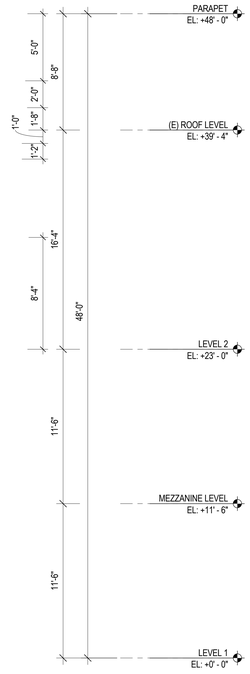


PARTIAL SECTION 31
SCALE: 1/4" = 1'-0"
SEE 28/A5.13 FOR DETAIL CALLOUTS UON





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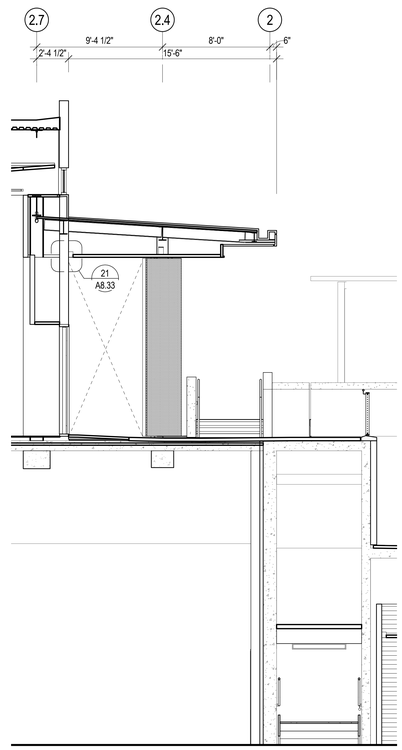
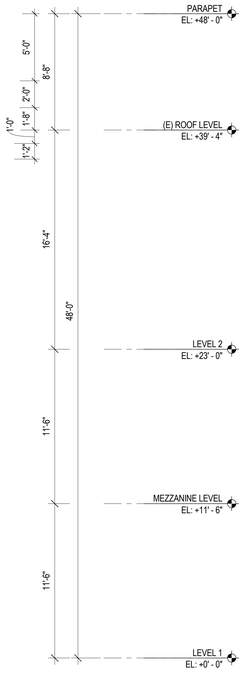
SEE 28/A5.13 FOR DETAIL CALLOUTS UON





PARTIAL SECTION 01
SCALE: 1/4" = 1'-0"
SEE 28/A5.13 FOR DETAIL CALLOUTS UON

MONTEREY CONFERENCE CENTER
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CITY OF MONTEREY
CITY HALL

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TEL: (831) 646-5601

Architect / Engineer:

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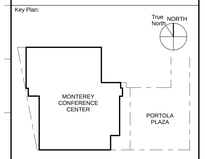
SAN FRANCISCO, CA 94111

Consultants:

Issued For:

No.	Description:	Date:
	60% PROJECT COMPLETION	15 MAY 2015
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015
2	ADDENDUM 2	18 SEPT 2015

Key Plan:



Seal & Signature:

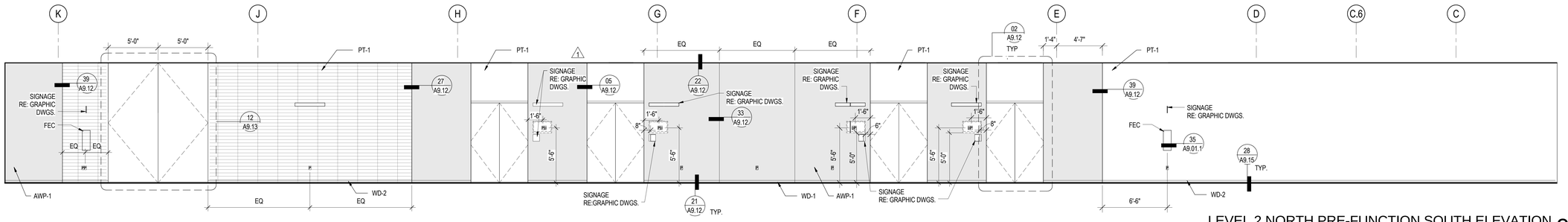
Sheet Name:

ENLARGED BUILDING EXTERIOR ELEVATIONS & SECTIONS

Project No.:	215004	Sheet No.:
Drawn By:	Author	A5.14
Checked By:	Checker	
Scale:	1/4" = 1'-0"	

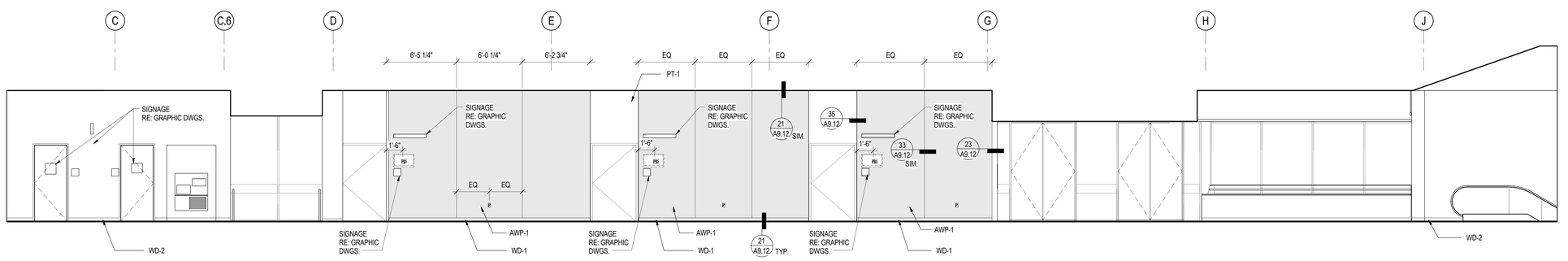
9/15/2015 8:51:57 PM

Agreement #: Ag-5097 - Page 368
Approved as to Form
Date
Page 29



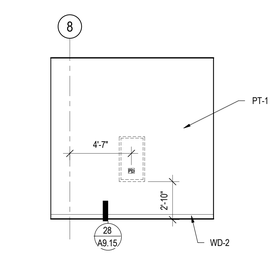
LEVEL 2 NORTH PRE-FUNCTION SOUTH ELEVATION 06

SCALE: 1/4" = 1'-0"



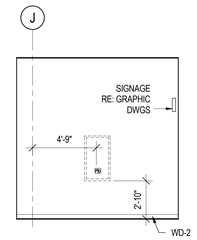
LEVEL 2 NORTH PRE-FUNCTION NORTH ELEVATION 04

SCALE: 1/4" = 1'-0"



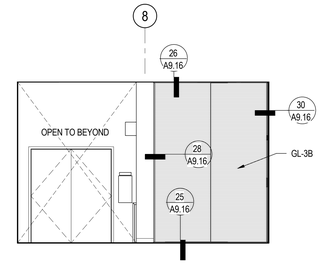
LEVEL 2 PRE-FUNCTION AT ELEVATOR EAST 21

SCALE: 1/4" = 1'-0"



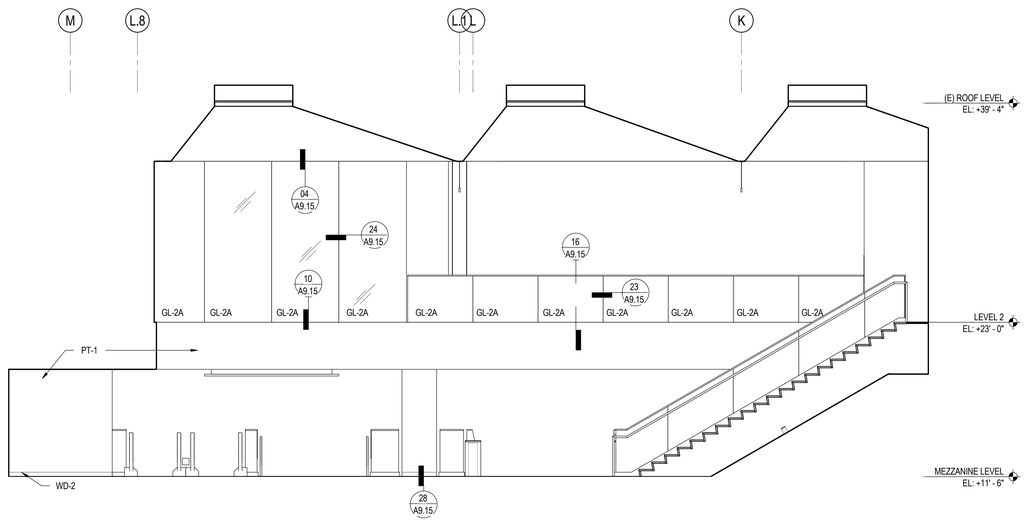
LEVEL 2 PRE-FUNCTION AT ELEVATOR NORTH 15

SCALE: 1/4" = 1'-0"



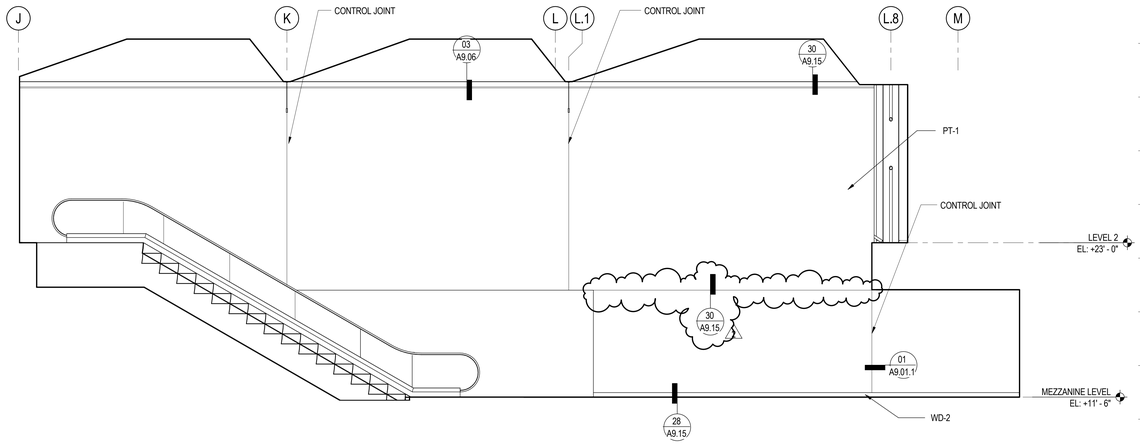
LEVEL 2 NORTH PRE-FUNCTION WEST ELEVATION 03

SCALE: 1/4" = 1'-0"



LEVEL 2 NORTH ESCALATOR SOUTH ELEVATION 25

SCALE: 1/4" = 1'-0"



LEVEL 2 NORTH ESCALATOR NORTH ELEVATION 01

SCALE: 1/4" = 1'-0"

MONTEREY CONFERENCE CENTER
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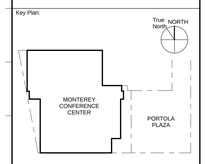
Consultants:

Issued For:

No.	Description:	Date:
	30% SUBMITTAL	20 FEB 2015
	60% PROJECT COMPLETION	15 MAY 2015
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015
1	ADDENDUM 1	11 SEPT 2015
2	ADDENDUM 2	18 SEPT 2015

Key Plan:



Seal & Signature:

LICENSED ARCHITECT
CLIFTON K. BOSWELL
C-26963
MAY 31 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:

INTERIOR ELEVATIONS

Project No.:	Sheet No.:
215004	A6.04
Drawn By: Author	
Checked By: Checker	
Scale: 1/4" = 1'-0"	

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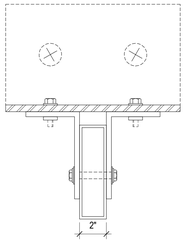
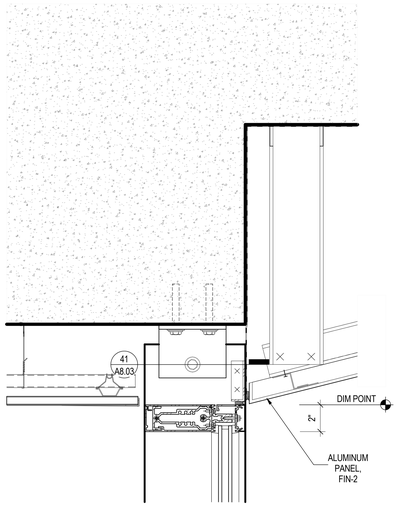
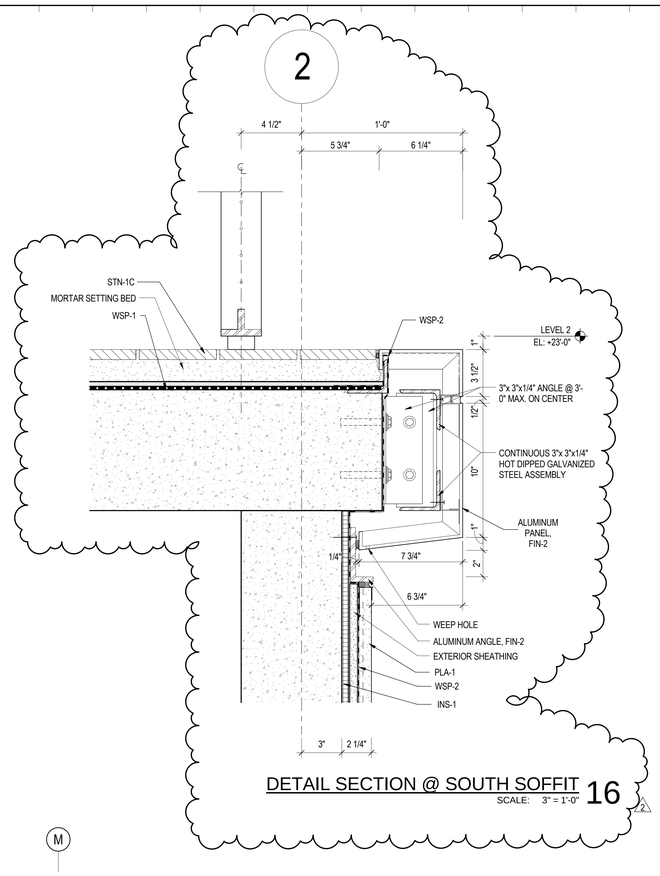
Agreement #: Ag-5097 - Page 368
Approved as to Form
Date
Item 2 9



DETAIL - PLAN @
CURTAIN WALL HEAD CONNECTION 41
SCALE: 3" = 1'-0"



DETAIL - SECTION @
MULLION HEAD AT BEAM 35
SCALE: 3" = 1'-0"



DETAIL SECTION @ SOUTH SOFFIT 16
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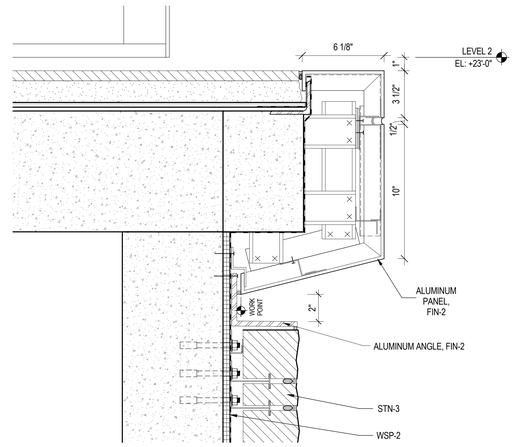
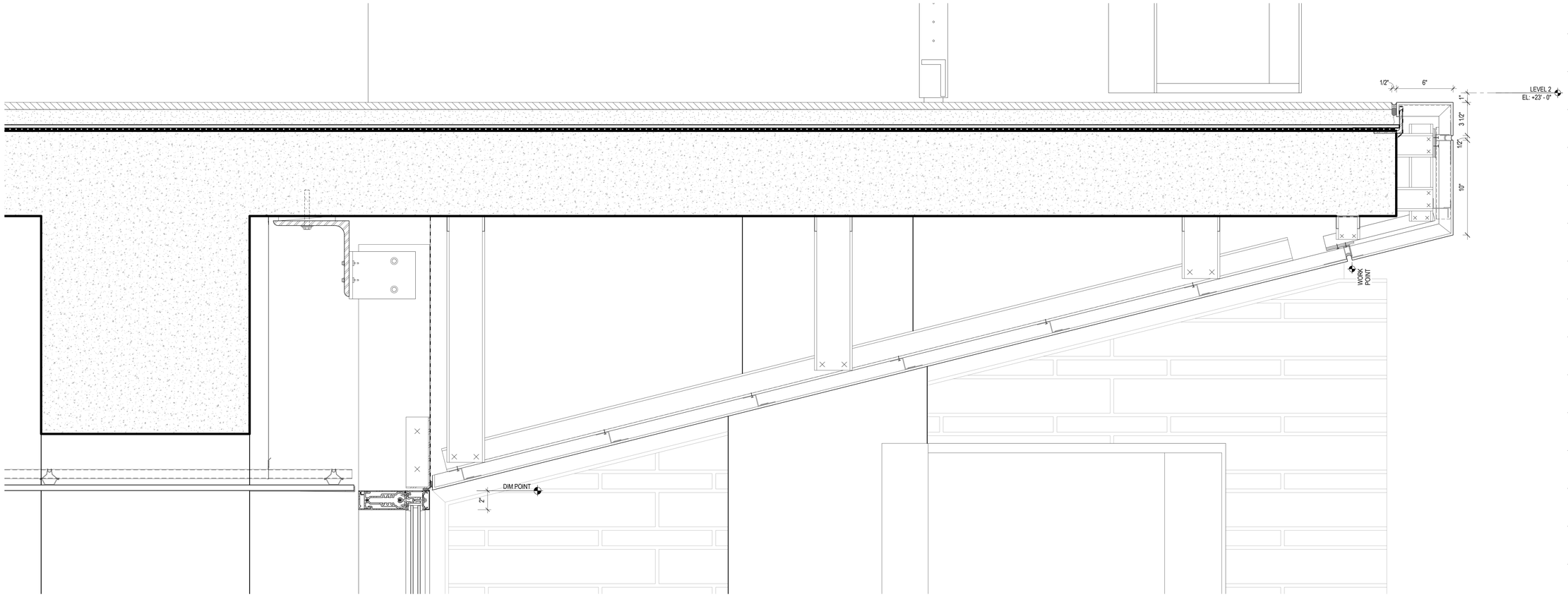


EAST TERRACE SOFFIT DETAIL
@ STONE WALL 04
SCALE: 3" = 1'-0"

L.8

M



EAST TERRACE SOFFIT DETAIL 01
SCALE: 3" = 1'-0"

MONTEREY CONFERENCE CENTER
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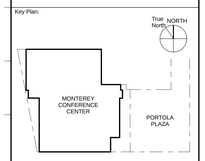
SAN FRANCISCO, CA 94111

Consultants:

Issued For:

No.	Description:	Date:
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015
2	ADDENDUM 2	18 SEPT 2015

Key Plan:



Seal & Signature:

LICENSED ARCHITECT
CLIFTON K. BOSWELL
C-26963
MAY 3 1 2017
RENEWAL
DATE
STATE OF CALIFORNIA

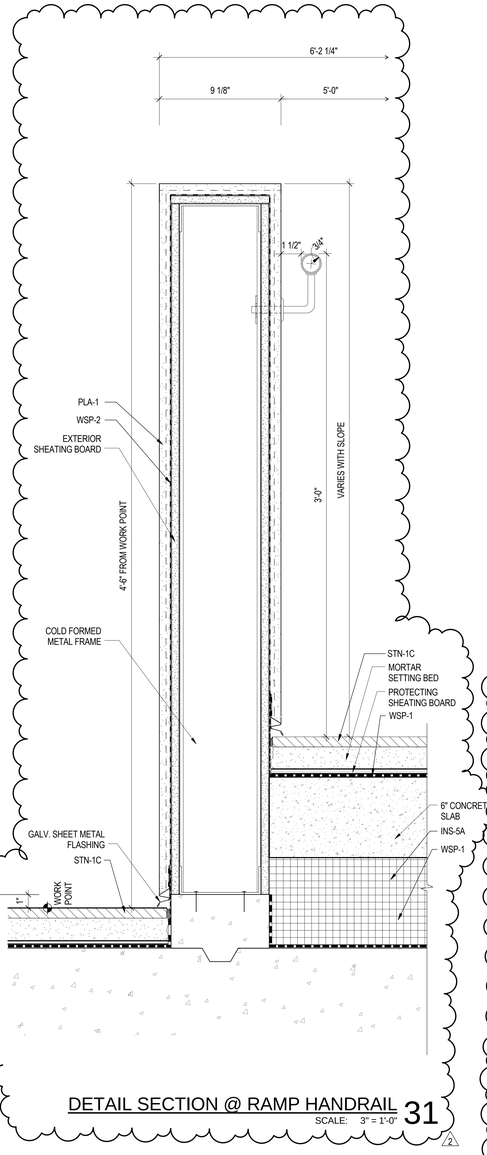
Sheet Name:

EXTERIOR
DETAILS

Project No.:	215004	Sheet No.:
Drawn By:	Author	A8.03
Checked By:	Checker	
Scale:	3" = 1'-0"	

5/15/2015 8:12:03 PM

Agreement #: Ag-5097 - Page 368
Approved as to Form
CAO
CRM
5 2 9



DETAIL SECTION @ RAMP HANDRAIL 31
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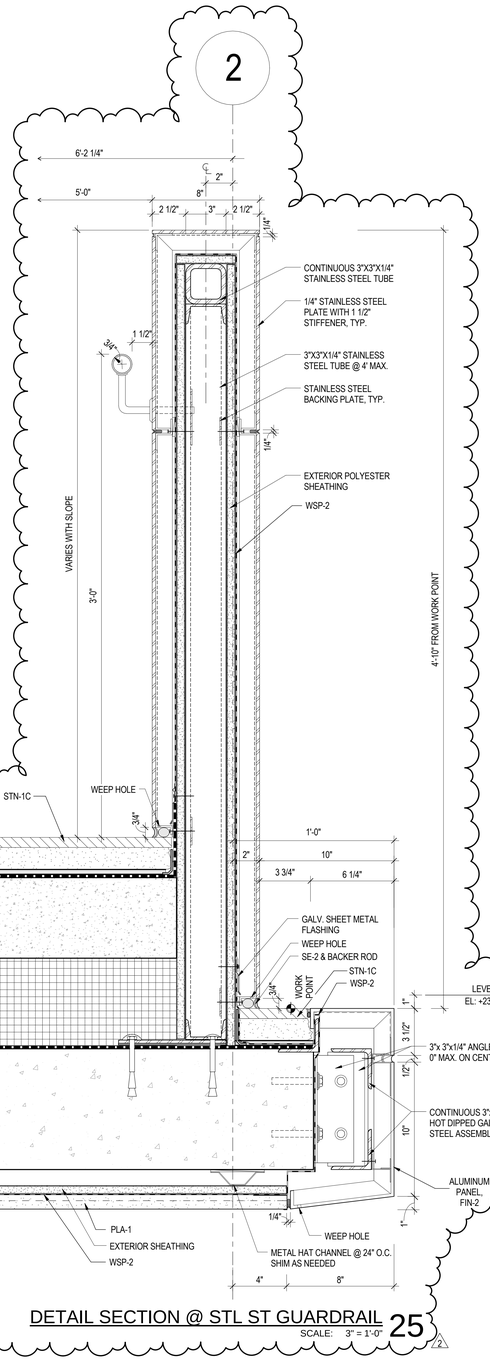

DETAIL SECTION @ STL ST GUARDRAIL 25
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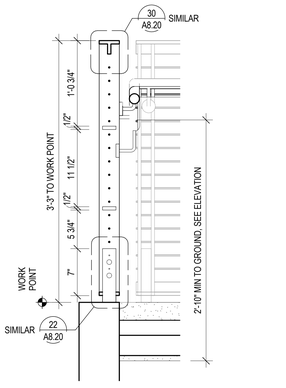
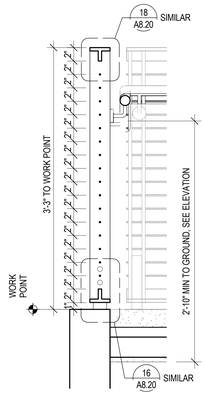


39" GUARDRAIL SECTION 21
SCALE: 1 1/2" = 1'-0"



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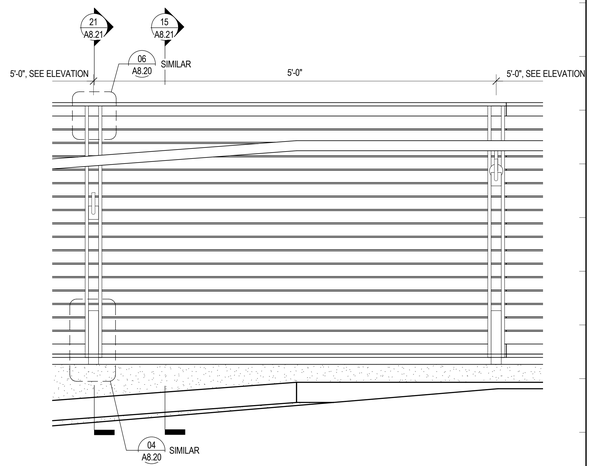
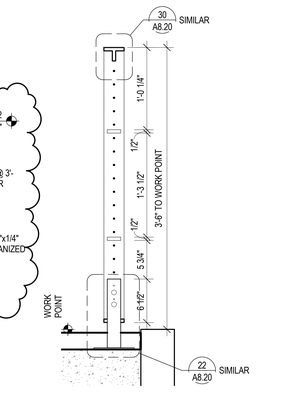


39" GUARDRAIL ENLARGED ELEVATION 03
SCALE: 1 1/2" = 1'-0"



42" GUARDRAIL SECTION 19
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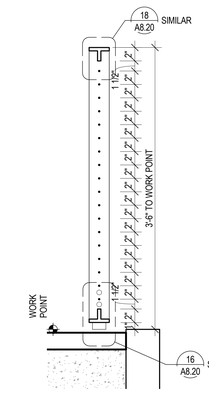

42" GUARDRAIL SECTION 13
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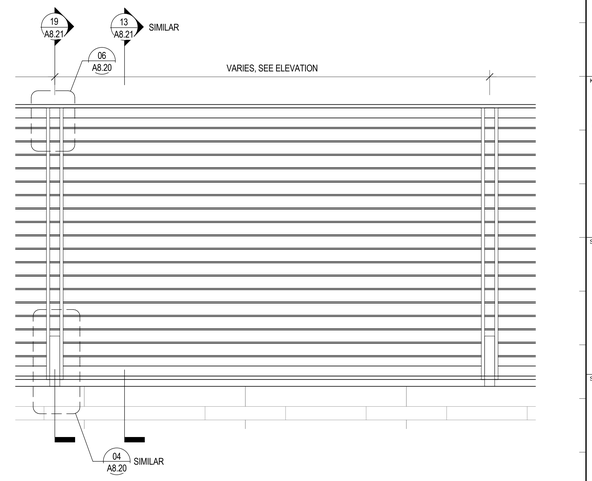

42" GUARDRAIL ENLARGED ELEVATION 01
SCALE: 1 1/2" = 1'-0"

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Architect / Engineer:

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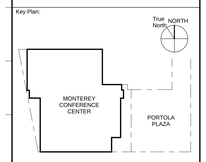
SAN FRANCISCO, CA 94111

Consultants:

Issued For:

No.	Description:	Date:
	BID SET	26 AUG 2015
2	ADDENDUM 2	18 SEPT 2015

Key Plan:



Seal & Signature:

LICENSED ARCHITECT
CLIFTON K. BOSWELL
C-26963
MAY 3 1 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:

EXTERIOR DETAILS - GUARDRAIL

Project No.:	215004	Sheet No.:
Drawn By:	Author	A8.21
Checked By:	Checker	
Scale:	As indicated	

9/15/2015 8:13:07 PM

Agreement #: Ag-5097 - Page 368
Approved as to Form
CAO
RISK
329

DOOR SCHEDULE

PHASE CREATED	DOOR NUMBER	DOOR TYPE	DOOR WIDTH	DOOR HEIGHT	DOOR MATERIAL	DOOR FINISH	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	FRAME JAMB	FRAME HEAD	FRAME SILL	FIRE RATING	HARDWARE SET	COMMENTS
EXISTING	2S12A	DE-2	6'-0"	7'-0"	WD	WD VENEER	FE-1	HM	PT-1	ETR	ETR	ETR	45	ETR	EXT, PH
EXISTING	2S13A	DE-1	3'-0"	7'-0"	HM	PT-1	FE-1	HM	PT-1	ETR	ETR	ETR	-	ETR	EXT, PH
NEW CONSTRUCTION	202A	DE-4	6'-0"	6'-8"	WD	WD VENEER	FE-1	HM	PT-1			17/A1.20	-	3	EXT, PH
NEW CONSTRUCTION	202AA	DI-2	7'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	06/A9.04	45	24	
NEW CONSTRUCTION	204AA	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	18/A9.04	-	11	
NEW CONSTRUCTION	205AA	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	18/A9.04	-	11	
NEW CONSTRUCTION	206A	DI-4	3'-6"	7'-0"	HM/GL-2A	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	05/A9.04	-	25	
NEW CONSTRUCTION	206AA	DI-4	3'-0"	7'-0"	HM/GL-2A	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	05/A9.04	-	26	
NEW CONSTRUCTION	206B	DI-4	3'-6"	7'-0"	HM/GL-2A	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	05/A9.04	-	25	
NEW CONSTRUCTION	206BA	DI-4	3'-0"	7'-0"	HM/GL-2A	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	05/A9.04	-	26	
NEW CONSTRUCTION	206CA	DI-4	3'-0"	7'-0"	HM/GL-2A	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	05/A9.04	-	26	
NEW CONSTRUCTION	206DA	DI-4	3'-0"	7'-0"	HM/GL-2A	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	05/A9.04	-	26	
NEW CONSTRUCTION	206FA	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	06/A9.04	-	27	
NEW CONSTRUCTION	211A	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	07/A9.04	45		
EXISTING	213AA	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	ETR	ETR	ETR	-	ETR	
EXISTING	213BA	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	ETR	ETR	ETR	-	ETR	
EXISTING	216A	DI-2	8'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	ETR	ETR	ETR	-	ETR	SS, Note c
EXISTING	216AA	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	ETR	ETR	ETR	-	ETR	
EXISTING	217A	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	ETR	ETR	ETR	-	ETR	
EXISTING	217B	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	ETR	ETR	ETR	-	ETR	
EXISTING	218A	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	ETR	ETR	ETR	-	ETR	
NEW CONSTRUCTION	220A	DE-1	3'-0"	6'-0"	HM	PT-1	FE-1	HM	PT-1	02/A9.04	02/A9.04	06/A9.04	-	28	AG, Note a
NEW CONSTRUCTION	221A	DE-1	3'-0"	6'-0"	HM	PT-1	FE-1	HM	PT-1	02/A9.04	02/A9.04	06/A9.04	-	28	AG, Note a, b
LEVEL 2															
EXISTING	3S5A	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	ETR	ETR	ETR	45	ETR	PH, Note d
NEW CONSTRUCTION	300B	DE-4	6'-0"	8'-0"	ALUM/GL-2A	FIN-1	CW	ALUM	FIN-1			19/A8.06	-	5	EXT, HO, PH
NEW CONSTRUCTION	301A	DE-4	6'-0"	8'-0"	ALUM/GL-2A	FIN-1	CW	ALUM	FIN-1			19/A8.06	-	5	EXT, HO, PH, M
NEW CONSTRUCTION	301AA	DI-1	6'-0"	8'-0"	WD	AWP-1	-	WD	PT-1	16/A9.12	14/A9.12	14/A9.12	-	40	
NEW CONSTRUCTION	301B	DE-4	6'-0"	8'-0"	ALUM/GL-2A	FIN-1	CW	ALUM	FIN-1			19/A8.06	-	5	EXT, HO, PH
NEW CONSTRUCTION	301BA	DI-1	6'-0"	8'-0"	WD	AWP-1	-	WD	PT-1	16/A9.12	14/A9.12	14/A9.12	-	40	
NEW CONSTRUCTION	301C	DE-4	6'-9 1/2"	8'-0"	ALUM/GL-2A	FIN-1	CW	ALUM	FIN-1			19/A8.06	-	5	EXT, HO, PH
NEW CONSTRUCTION	301D	DE-4	6'-9 1/2"	8'-0"	ALUM/GL-2A	FIN-1	CW	ALUM	FIN-1			19/A8.06	-	5	EXT, HO, PH
NEW CONSTRUCTION	302A	DE-2	5'-10 1/2"	8'-10 3/4"	GL-2A	-	FE-1	HM	PT-1				-		EXT, PH
NEW CONSTRUCTION	302B	MATCH (E)	5'-10 1/2"	8'-10 3/4"	MATCH (E)	MATCH (E)	MATCH (E)	MATCH (E)	MATCH (E)				-		EXT, PH
NEW CONSTRUCTION	303B	DE-4	6'-0"	8'-0"	ALUM/GL-2A	FIN-1	CW	ALUM	FIN-1			19/A8.06	-	5	EXT, HO, PH
NEW CONSTRUCTION	305A	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1			06/A9.04	45	17	
EXISTING	306A	DI-1	4'-0"	7'-0"	WD	WD VENEER	FI-1	HM	PT-1	ETR	ETR	ETR	-	ETR	
EXISTING	306B	DE-2	5'-10 1/2"	8'-10 3/4"	GL-2A	-	FE-1	HM	PT-1	ETR	ETR	ETR	-	ETR	EXT, PH
EXISTING	307A	DI-1	4'-0"	7'-0"	WD	WD VENEER	FI-1	HM	PT-1	ETR	ETR	ETR	-	ETR	
EXISTING	307B	DE-2	5'-10 1/2"	8'-10 3/4"	GL-2A	-	FE-1	HM	PT-1	ETR	ETR	ETR	-	ETR	EXT, PH
EXISTING	308A	DI-1	4'-0"	7'-0"	WD	WD VENEER	FI-1	HM	PT-1	ETR	ETR	ETR	-	ETR	
EXISTING	308B	DE-2	5'-10 1/2"	8'-10 3/4"	GL-2A	-	FE-1	HM	PT-1	ETR	ETR	ETR	-	ETR	EXT, PH
NEW CONSTRUCTION	309B	-	3'-6"	7'-0"	WD	SST-1	-	-	-	-	-	-	-	30	DOUBLE-SWING DOOR, Note e
NEW CONSTRUCTION	309C	-	3'-6"	7'-0"	WD	SST-1	-	-	-	-	-	-	-	30	DOUBLE-SWING DOOR, Note e
NEW CONSTRUCTION	310A	DI-2	6'-0"	8'-0"	HM	PT-1	FI-1	HM	PT-1	05/A9.12	11/A9.12	17/A9.04	-	31	AG, HO, PH
NEW CONSTRUCTION	310B	DI-2	6'-0"	8'-0"	HM	PT-1	FI-1	HM	PT-1	05/A9.12	11/A9.12	17/A9.04	-	31	AG, HO, PH
NEW CONSTRUCTION	310C	DI-2	6'-0"	8'-0"	HM	PT-1	FI-1	HM	PT-1	05/A9.12	11/A9.12	17/A9.04	-	31	AG, HO, PH
NEW CONSTRUCTION	310D	DI-2	6'-0"	8'-0"	HM	PT-1	FI-1	HM	PT-1	05/A9.12	11/A9.12	17/A9.04	-	31	AG, HO, PH
NEW CONSTRUCTION	310E	DI-2	6'-0"	8'-0"	HM	PT-1	FI-1	HM	PT-1	05/A9.12	11/A9.12	17/A9.04	-	31	AG, HO, PH
NEW CONSTRUCTION	310F	DI-2	6'-0"	8'-0"	HM	PT-1	FI-1	HM	PT-1	05/A9.12	11/A9.12	17/A9.04	-	31	AG, HO, PH
NEW CONSTRUCTION	310G	DI-2	6'-0"	8'-0"	HM	PT-1	FI-1	HM	PT-1	05,17/A9.12	11/A9.12	17/A9.04	-	31	AG, HO, PH
NEW CONSTRUCTION	310H	DE-1	3'-6"	8'-0"	HM	PT-1	FE-1	HM	PT-1			03/A1.20	-	32	EXT, HO
NEW CONSTRUCTION	310J	DE-1	6'-0"	8'-0"	HM	PT-1	FE-1	HM	PT-1			03/A1.20	-	3	EXT, HO, PH
NEW CONSTRUCTION	310K	DE-1	6'-0"	8'-0"	HM	PT-1	FE-1	HM	PT-1			03/A1.20	-	3	EXT, HO, PH
NEW CONSTRUCTION	310L	DI-2	10'-0"	12'-0"	ALUM/MDF	PT-1	-	-	-			05/A9.04	-	33	
NEW CONSTRUCTION	310M	DI-2	10'-0"	12'-0"	ALUM/MDF	PT-1	-	-	-	30/A9.13	17/A9.13	17/A9.13	-	39	
NEW CONSTRUCTION	311A	DI-5	6'-0"	7'-0"	HM/GL-2A	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	07/A9.04	-	34	HO
NEW CONSTRUCTION	311AA	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	07/A9.04	-	35	SS
NEW CONSTRUCTION	311B	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	07/A9.04	-	34	HO
NEW CONSTRUCTION	311BA	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1			07/A9.04	45	17	
NEW CONSTRUCTION	311C	DI-2	9'-0"	8'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	06/A9.04	-	36	AG, HO
NEW CONSTRUCTION	311D	DE-3	10'-6"	10'-0"	HM	FIN-1	-	HM	FIN-1			18/A1.20	-		
NEW CONSTRUCTION	312A	DI-1	2'-8"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	02/A9.04	-	18	
NEW CONSTRUCTION	316A	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	06/A9.04	-	13	
NEW CONSTRUCTION	317A	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	06/A9.04	-	37	HO
NEW CONSTRUCTION	317B	DE-2	6'-0"	7'-0"	HM	PT-1	FE-1	HM	PT-1				-		EXT
NEW CONSTRUCTION	318A	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	18/A1.20	-	15	
NEW CONSTRUCTION	319A	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	18/A1.20	-	15	
EXISTING	320A	DI-2	6'-0"	7'-0"	WD	WD VENEER	FI-1	HM	PT-1	ETR	ETR	ETR	-	ETR	HO
EXISTING	RS5A	DE-1	3'-0"	6'-0"	HM	PT-1	FE-1	HM	PT-1	ETR	ETR	ETR	-	ETR	
(E) ROOF LEVEL															
NEW CONSTRUCTION	R01A	DE-1	3'-0"	6'-0"	HM	PT-1	FE-1	HM	PT-1				-		EXT
NEW CONSTRUCTION	R01B	DE-1	3'-0"	6'-0"	HM	PT-1	FE-1	HM	PT-1				-		EXT
EXISTING	R02A	DE-6	3'-0"	6'-0"	HM	PT-1	FE-1	HM	PT-1				-		EXT

DOOR SCHEDULE

PHASE CREATED	DOOR NUMBER	DOOR TYPE	DOOR WIDTH	DOOR HEIGHT	DOOR MATERIAL	DOOR FINISH	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	FRAME JAMB	FRAME HEAD	FRAME SILL	FIRE RATING	HARDWARE SET	COMMENTS
LEVEL 1															
EXISTING	1S4A	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	ETR	ETR	ETR	-	ETR	
EXISTING	1S5A	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	ETR	ETR	ETR	90	39	PH, NOTE d
NEW CONSTRUCTION	1S11A	DI-2	5'-8"	7'-0"	HM	PT-1	FI-1	HM	PT-1	16/A9.17	16/A9.17	06/A9.04	45	10	PH, NOTE a
NEW CONSTRUCTION	1S12A	DI-2	5'-8"	7'-0"	HM	PT-1	FI-1	HM	PT-1	16/A9.17	16/A9.17	06/A9.04	45	10	PH, NOTE a
NEW CONSTRUCTION	101A	DE-4	7'-2" (1)	7'-9"	ALUM/GL-2A	FIN-1	CW	ALUM	FIN-1	15/A8.01	05/A8.01	03/A8.06	-	1	EXT, PH, M
NEW CONSTRUCTION	101AA	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	06/A9.04	-		AG
NEW CONSTRUCTION	101B	DE-4	7'-2"	7'-9"	ALUM/GL-2A	FIN-1	CW	ALUM	FIN-1	15/A8.01	05/A8.01	03/A8.06	-	2	EXT, PH
NEW CONSTRUCTION	101C	DE-4	7'-2"	7'-9"	ALUM/GL-2A	FIN-1	CW	ALUM	FIN-1	15/A8.01	05/A8.01	03/A8.06	-	2	EXT, PH
NEW CONSTRUCTION	101D	DE-4	7'-2"	7'-9"	ALUM/GL-2A	FIN-1	CW	ALUM	FIN-1	15/A8.01	05/A8.01	03/A8.06	-	2	EXT, PH
NEW CONSTRUCTION	101E	DE-4	7'-2"	7'-9"	ALUM/GL-2A	FIN-1	CW	ALUM	FIN-1	15/A8.01	05/A8.01	03/A8.06	-	2	EXT, PH
NEW CONSTRUCTION	101F	DE-4	7'-2" (1)	7'-9"	ALUM/GL-2A	FIN-1	CW	ALUM	FIN-1	15/A8.01	05/A8.01	03/A8.06	-	1	EXT, PH, M
NEW CONSTRUCTION	101G	DE-5	9'-9"	10'-11 1/4"	ALUM/GL-3A	FIN-1	FE-2	ALUM	FIN-1	05/A8.05	32/A8.02	31/A8.02	-	DOOR MANUF	SLIDING GLASS DOOR SYSTEM
NEW CONSTRUCTION	102A	DE-2	6'-6"	7'-0"	HM	PT-1	FE-1	HM	PT-1	16/A9.04	15/A9.04	21/A8.06 SIM	-	3	EXT, PH
NEW CONSTRUCTION	102B	DI-2	7'-6"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	17/A9.04	90	8	PH, HO
NEW CONSTRUCTION	102C	DI-2	7'-6"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	17/A9.04	90	8	PH, HO
NEW CONSTRUCTION	103A	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	04/A9.04	-	11	
NEW CONSTRUCTION	104A	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	04/A9.04	-	11	
NEW CONSTRUCTION	105G	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	18/A9.04	-	18	
NEW CONSTRUCTION	105J	DI-1	2'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	23/A9.04	-	13	
NEW CONSTRUCTION	105K	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	ETR	ETR	ETR	-	ETR	
NEW CONSTRUCTION	106A	DE-5	13'-10"	13'-10"	HM	PT-4	-	STEEL	PT-4	01,03/A8.05	31/A8.05	21/A8.06	-	38	EXT, SEE SPECIFICATION SECTION 08 37 00 (1)
EXISTING	106B	DI-6	13'-10"	13'-11"	HM	PT-1	-	STEEL	PT-1	ETR	ETR	ETR	-	ETR	
NEW CONSTRUCTION	107B	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	20,21/A9.04	22/A9.04	17/A9.04	-	6	AG, HO, PH, NOTE a, b
NEW CONSTRUCTION	107BA	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	19/A9.04	-	11	
NEW CONSTRUCTION	107C	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	20,21/A9.04	22/A9.04	17/A9.04	-	6	AG, HO, PH, NOTE a
NEW CONSTRUCTION	107CA	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	19/A9.04	-	11	
NEW CONSTRUCTION	107E	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	20,21/A9.04	22/A9.04	17/A9.04	20	6	AG, HO, PH, NOTE a
NEW CONSTRUCTION	107EA	DI-1	2'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	06/A9.04	-	13	
NEW CONSTRUCTION	107F	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	20,21/A9.04	22/A9.04	17/A9.04	20	6	AG, HO, PH, NOTE a
EXISTING	107FA	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	ETR	ETR	ETR	-	ETR	
NEW CONSTRUCTION	107FB	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	06/A9.04	45	16	
NEW CONSTRUCTION	107GA	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	07/A9.04	45	17	
NEW CONSTRUCTION	108A	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	20,21/A9.04 SIM	22/A9.04 SIM	17/A9.04	20	6	AG, HO, PH, NOTE a
NEW CONSTRUCTION	108B	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	20,21/A9.04 SIM	22/A9.04 SIM	17/A9.04	20	6	AG, HO, PH, NOTE a
NEW CONSTRUCTION	108BA	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04, 22/A9.16	02/A9.04	19/A9.04	-	11	
NEW CONSTRUCTION	108C	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	20,21/A9.04 SIM	22/A9.04 SIM	17/A9.04	20	6	AG, HO, PH, NOTE a
NEW CONSTRUCTION	108CA	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	19/A9.04	-	11	
NEW CONSTRUCTION	108D	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	20,21/A9.04 SIM	22/A9.04 SIM	17/A9.04	20	6	AG, HO, PH, NOTE a
NEW CONSTRUCTION	108EA	DI-1	2'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	06/A9.04	-	13	
EXISTING	108FA	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	ETR	ETR	ETR	-	-	SS, NOTE c
NEW CONSTRUCTION	109A	-	33'-4"	11'-6"	ALUM	FWP-1	-	STEEL	PT-1	05/A9.14	09/A9.14	28/A9.14	-	DOOR MANUF	VERTICAL BI-FOLD, MOTORIZED
EXISTING	109CA	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	ETR	ETR	ETR	-	ETR	
NEW CONSTRUCTION	109DA	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	18/A9.04	-	18	
NEW CONSTRUCTION	110A	DI-2	7'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	03/A9.04	45	6	HO, PH, NOTE a, b
NEW CONSTRUCTION	110B	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	03/A9.04	45	6	HO, PH, NOTE a, b
NEW CONSTRUCTION	110C	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	17/A9.04	20	6	AG, HO, PH, NOTE a, b
NEW CONSTRUCTION	110D	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	17/A9.04	20	6	AG, HO, PH, NOTE a, b
NEW CONSTRUCTION	110E	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	06/A9.04	90	8	HO, PH, NOTE a, b
NEW CONSTRUCTION	110F	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	06/A9.04	90	8	HO, PH, NOTE a, b
NEW CONSTRUCTION	110G	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	17/A9.04	90	8	HO, PH, NOTE a, b
NEW CONSTRUCTION	110H	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	17/A9.04	90	8	HO, PH, NOTE a, b
NEW CONSTRUCTION	110J	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	17/A9.04	90	8	HO, PH, NOTE a, b
NEW CONSTRUCTION	110K	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	17/A9.04	90	8	HO, PH, NOTE a, b
NEW CONSTRUCTION	111A	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	17/A9.04	20	6	AG, HO, PH, NOTE a, b
NEW CONSTRUCTION	111B	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	17/A9.04	20	6	AG, HO, PH, NOTE a, b
EXISTING	111C	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	ETR	ETR	ETR	-	ETR	
EXISTING	111D	DI-2	6'-0"	7'-0"	WD	WD VENEER	FI-1	HM	PT-1	ETR	ETR	ETR	-	ETR	
NEW CONSTRUCTION	111E	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	06/A9.04	90	8	HO, PH, NOTE a, b
NEW CONSTRUCTION	111F	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	06/A9.04	90	8	HO, PH, NOTE a, b
EXISTING	112A	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	ETR	ETR	ETR	-	ETR	
EXISTING	112AA	DI-1	3'-0"	7'-0"	WD	WD VENEER	FI-1	HM	PT-1	ETR	ETR	ETR	-	ETR	
NEW CONSTRUCTION	112AB	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	07/A9.04	90	19	HO
EXISTING	112B		16'-0"	10'-0"	HM	PT-1		HM	FIN-1	ETR (2)	ETR	ETR	-	ETR	
EXISTING	112BA	DI-1	3'-0"	7'-0"	WD	WD VENEER	FI-1	HM	PT-1				-		
NEW CONSTRUCTION	112BA	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	07/A9.04	45	17	
EXISTING	112CA	DI-1	3'-0"	7'-0"	WD	WD VENEER	FI-1	HM	PT-1	ETR	ETR	ETR SIM	-	ETR	
NEW CONSTRUCTION	112DA	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	06/A9.04	-	17	(1)
EXISTING	112EA	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	ETR	ETR	ETR	-	ETR	
EXISTING	112FA	DI-1	3'-0"	7'-0"	WD	WD VENEER	FI-1	HM	PT-1	ETR	ETR	ETR SIM	-	ETR	
NEW CONSTRUCTION	112GA	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	19/A9.04	-	41	(1)
NEW CONSTRUCTION	113A	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	06/A9.04	-	20	PH
NEW CONSTRUCTION	113B	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	20,21/A9.04 SIM	22/A9.04 SIM	06/A9.04	20	9	AG, HO
NEW CONSTRUCTION	113D	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	06/A9.04	20	9	AG, HO, PH
NEW CONSTRUCTION	115A	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	07/A9.04	-	21	HO, PH
NEW CONSTRUCTION	115B	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	07/A9.04	90	22	PH
EXISTING	116A	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	ETR	ETR	ETR	-	ETR	
EXISTING	117A	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	ETR	ETR	ETR	-	ETR	
EXISTING	117B	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	ETR	ETR	ETR SIM	-	ETR	
NEW CONSTRUCTION	118AA	DI-4	3'-0"	7'-0"	HM/GL-2A	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	25/A9.04	-	25	
NEW CONSTRUCTION	118BA	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	26/A9.04	-	18	
NEW CONSTRUCTION	118CA	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	07/A9.04	-	27	
NEW CONSTRUCTION	118DA	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	07/A9.04	-	27	
EXISTING	119A	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	ETR	ETR	ETR	-	ETR	
NEW CONSTRUCTION	120A	DI-1	3'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	02/A9.04	02/A9.04	07/A9.04	90	23	
MEZZANINE LEVEL															
EXISTING	2S5A	DI-2	6'-0"	7'-0"	HM	PT-1	FI-1	HM	PT-1	ETR	ETR	ETR	90	ETR	PH
EXISTING	2S11A	DE-2	6'-0"	7'-0"	WD	WD VENEER	FE-1	HM	PT-1	ETR	ETR	ETR	45	ETR	EXT, PH

GENERAL NOTES:

1. ALL DOORS ARE INTERIOR, UNLESS OTHERWISE NOTED.
2. PAINT FINISH FOR DOOR AND DOOR FRAMES TO MATCH ROOM FINISH, UON.
3. REFER TO SPECIFICATIONS FOR HARDWARE SETS.

DOOR SCHEDULE LEGEND:

- AG ACOUSTICAL GASKET
- HO HOLD OPEN
- M MOTORIZED FOR ACCESSIBILITY
- PH PANIC HARDWARE
- SS SMOKE SEAL
- CW CURTAIN WALL
- ETR EXISTING TO REMAIN

NOTES:

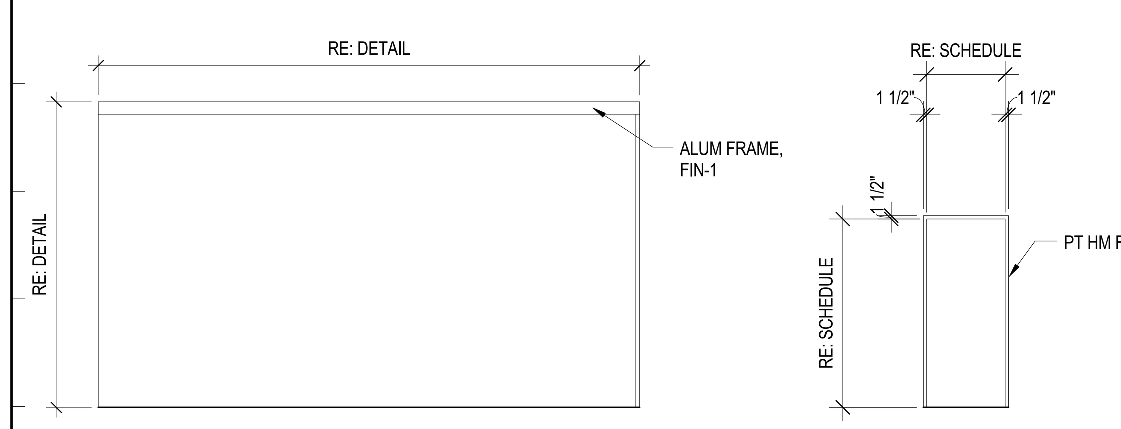
a. WHERE 2013 CBC DOES NOT REQUIRE FIRE RATING AS INDICATED IN CODE DIAGRAMS, EQUIVALENT FIRE RATING IS SCHEDULED TO MATCH EXISTING DRAWINGS.

b. VERIFY EXISTING OPENINGS. MODIFY AS REQUIRED TO INSTALL NEW DOOR. REPLICATE SURROUNDING FINISH MATERIAL. TYPICAL.

c. ADD SMOKE SEAL 8144N (ZERO)

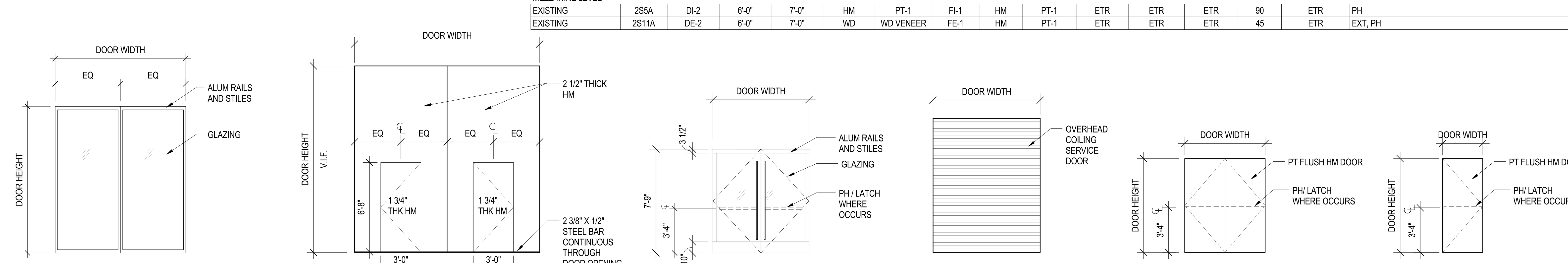
d. DOOR TO BE PROTECTED IN-PLACE OR REMOVED TO FACILITATE STAIR INSTALLATION.

e. FOR DOUBLE-SWING DOOR, SEE SPECIFICATION SECTION 08 38 00



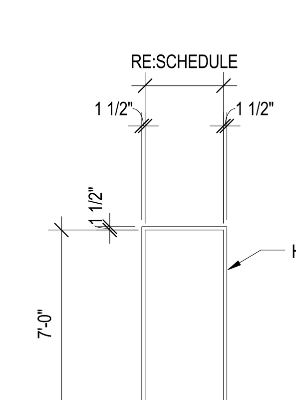
FE - 2 SLIDING GLASS DOOR FRAME
FE - 1

EXTERIOR FRAME TYPES 32
SCALE: 1/4" = 1'-0"



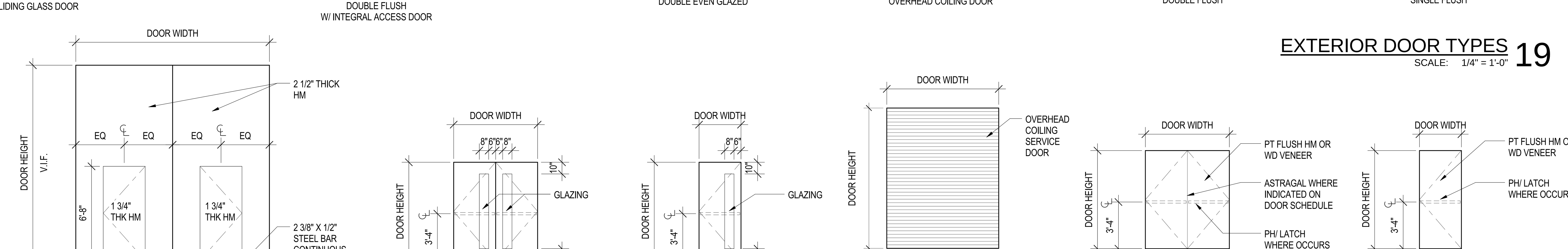
DE -6 SLIDING GLASS DOOR
DE -5 DOUBLE FLUSH W/ INTEGRAL ACCESS DOOR
DE - 4 DOUBLE EVEN GLAZED
DE - 3 OVERHEAD COILING DOOR
DE - 2 DOUBLE FLUSH
DE - 1 SINGLE FLUSH

EXTERIOR DOOR TYPES 19
SCALE: 1/4" = 1'-0"



FI - 1

INTERIOR FRAME TYPES 31
SCALE: 1/4" = 1'-0"



DI - 6 DOUBLE FLUSH W/ INTEGRAL ACCESS DOOR
DI - 5 DOUBLE FLUSH W/ VISION PANEL
DI - 4 SINGLE FLUSH W/ VISION PANEL
DI - 3 OVERHEAD COILING DOOR
DI - 2 DOUBLE FLUSH
DI - 1 SINGLE FLUSH

INTERIOR DOOR TYPES 01
SCALE: 1/4" = 1'-0"

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL
580 PACIFIC STREET, MONTEREY, CA 93940
TEL: (831) 646-5601

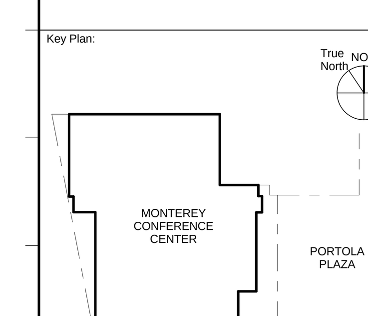
Architect / Engineer:
SOM
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

Consultants:

Issued For:

No.:	Description:	Date:
	30% SUBMITTAL	20 FEB 2015
	60% PROJECT COMPLETION	15 MAY 2015
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015
1	ADDENDUM 1	11 SEPT 2015
2	ADDENDUM 2	18 SEPT 2015

Key Plan:



Seal & Signature:
LICENSED ARCHITECT
CLIFTON K. BOSWELL
C-26963
MAY 3 1 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:
DOOR SCHEDULE

Project No.: 215004
Drawn By: Author
Checked By: Checker
Scale: As indicated
Sheet No.: A9.03

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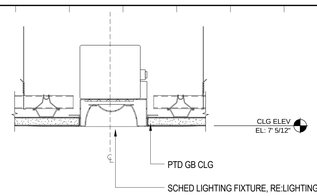
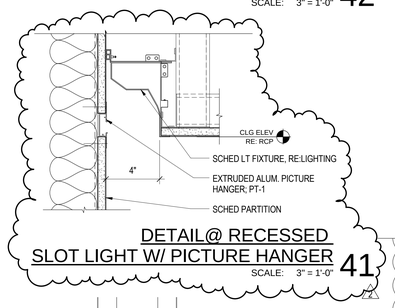
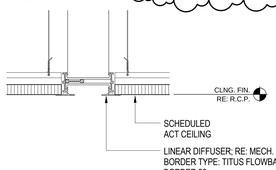
Agreement #: Ag-5097 - Page 368 of 529
Approved as to Form



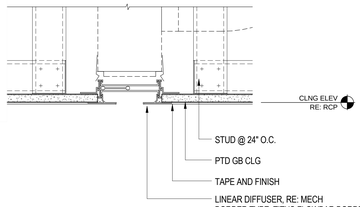
DETAIL @ RECESSED DOWNLIGHT 42
SCALE: 3" = 1'-0"



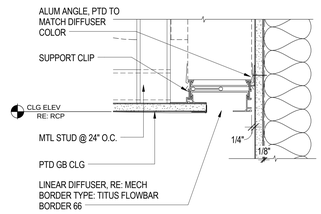
DETAIL@ RECESSED SLOT LIGHT W/ PICTURE HANGER 41
SCALE: 3" = 1'-0"



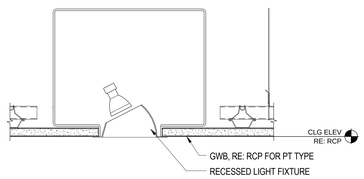
DIFFUSER AT ACT CEILING 35
SCALE: 3" = 1'-0"



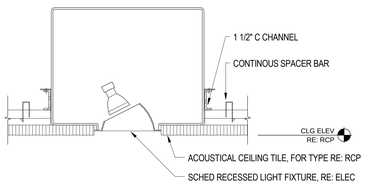
DETAIL AT AT LINEAR DIFFUSER IN GYP. BD. CEILING 34
SCALE: 3" = 1'-0"



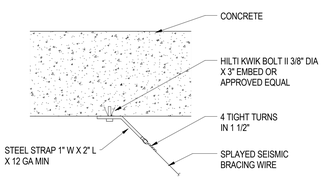
DETAIL SECTION @ PERIMETER SLOT DIFFUSER 33
SCALE: 3" = 1'-0"



RECESSED LT FIXTURE @ GYP CLG 32
SCALE: 3" = 1'-0"

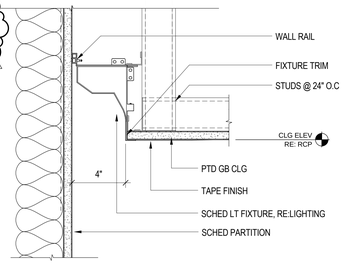


RECESSED LT FIXTURE @ ACT CLG 31
SCALE: 3" = 1'-0"



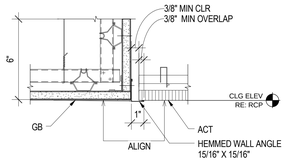
NOTE: DRILL-IN EXPANSION ANCHOR FOR SPLAYED SEISMIC BRACING

BRACING WIRE ATTACHMENT TO STRUCTURE 30
SCALE: 12" = 1'-0"

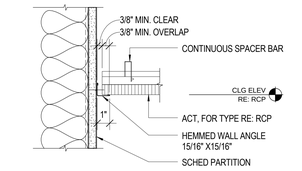


DETAIL AT RECESSED PERIMETER SLOT LIGHT 29
SCALE: 3" = 1'-0"

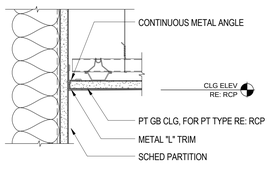
GYP CEILING JOINT 28
SCALE: 3" = 1'-0"



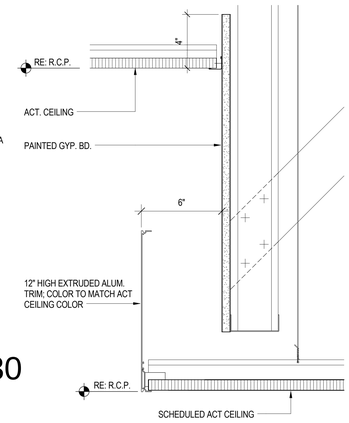
GYP TO ACT JOINT 27
SCALE: 3" = 1'-0"



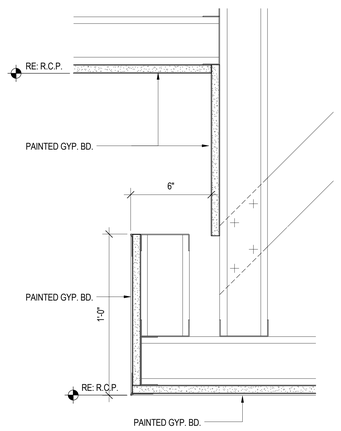
ACT @ WALL 26
SCALE: 3" = 1'-0"



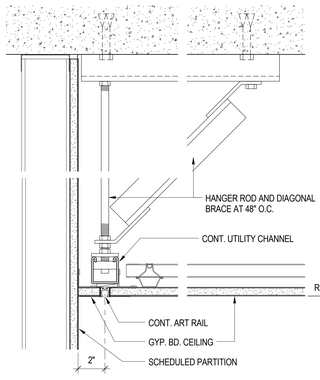
GWB @ WALL 25
SCALE: 3" = 1'-0"



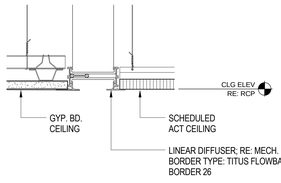
ACT CEILING SOFFIT DETAIL 24
SCALE: 3" = 1'-0"



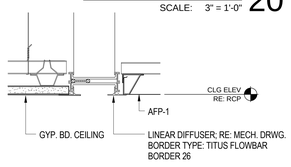
DRYWALL SOFFIT DETAIL 22
SCALE: 3" = 1'-0"



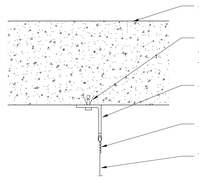
ART RAIL DETAIL 21
SCALE: 3" = 1'-0"



DIFFUSER AT ACT TO GYP. BD. CEILING 20
SCALE: 3" = 1'-0"

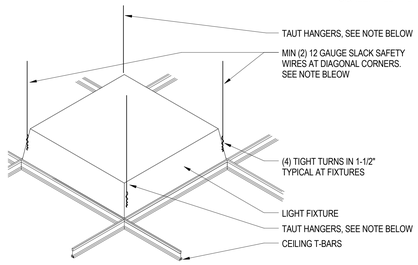


DIFFUSER AT GYP TO AFP-1 19
SCALE: 3" = 1'-0"



NOTE: PROVIDE SHOT-IN ANCHOR FOR VERTICAL HANGERS

VERTICAL HANGER WIRE TO STRUCTURE ABOVE 18
SCALE: 12" = 1'-0"

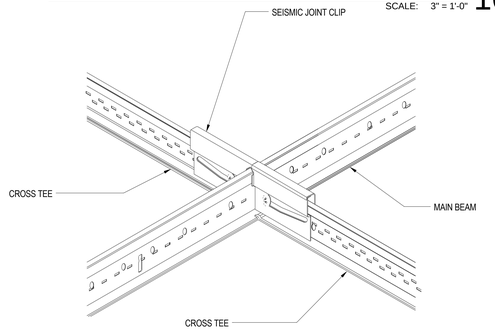


NOTES:
1. ALL LIGHT FIXTURES SHALL BE POSITIVELY ATTACHED TO THE SUSPENDED CEILING SYSTEM. THE ATTACHMENT DEVICE SHALL HAVE A CAPACITY OF 100 PERCENT OF THE LIGHT FIXTURE WEIGHT ACTING IN ANY DIRECTION.
2. LIGHT FIXTURES WEIGHING EQUAL OR MORE THAN 55 LBS MUST BE SUPPORTED BY (4) 12 GAUGE TAUT WIRES, (1) AT EACH CORNER.

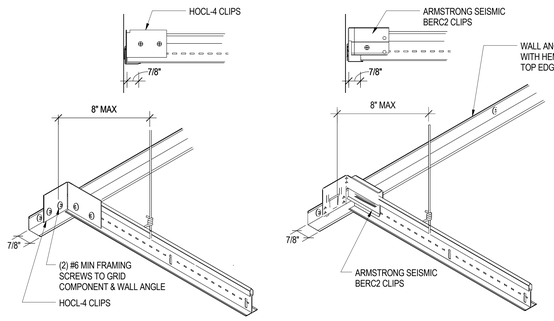
LIGHT FIXTURE SUPPORT IN ACOUSTICAL CEILING 17
SCALE: 3" = 1'-0"

NOTE:
DIFFUSERS WEIGHING EQUAL OR MORE THAN 55 LBS MUST BE SUPPORTED BY (4) 12 GAUGE TAUT WIRES. (1) AT EACH CORNER

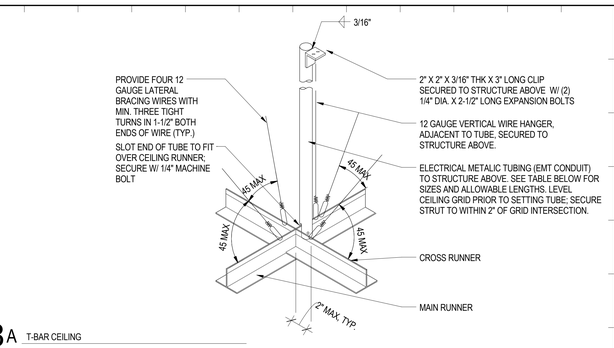
DIFFUSER MOUNTING IN ACOUSTICAL CEILING 16
SCALE: 3" = 1'-0"



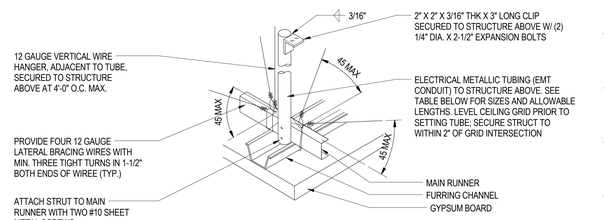
CEILING TYP. - SEISMIC EXPANSION JOINT CLIP INSTALLED 14
NTS



ACT CEILING TO WALL 13
SCALE: 3" = 1'-0"



A T-BAR CEILING

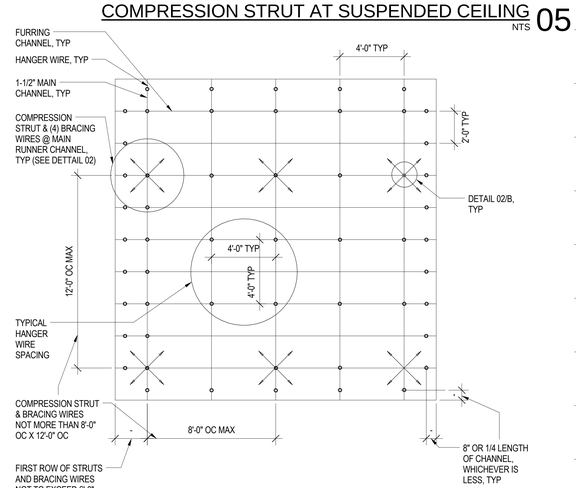


B GYPSUM BOARD CEILING

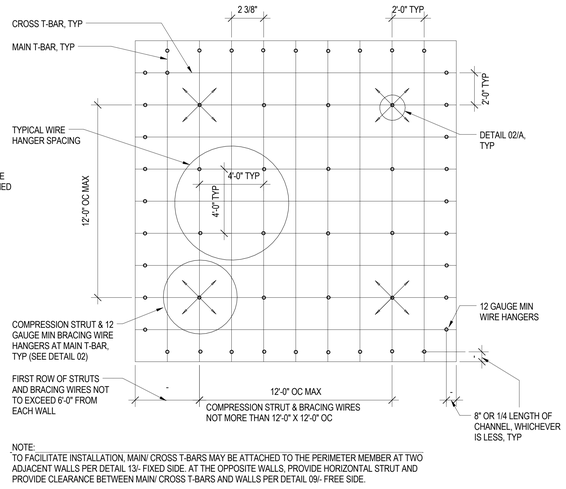
DETAIL NOTES:
1. CONNECTIONS TO OVERHEAD STRUCTURE: ALL HANGER AND SPLAYED BRACING WIRES SHALL BE FIRMLY ANCHORED TO OVERHEAD SUPPORT WITH A MIN. OF (3) TURNS. CONNECTION DEVICES SHALL HAVE A CAPACITY OF 100LBS MIN.; BRACING OCCURS AT 12'-0" O.C. EACH DIRECTION, TYP.
2. ALL STRUT MAT'L TO HAVE A L/R RATIO OF 200LBS MAX.
3. PROVIDE CROSS RUNNERS MAY BE SECURED TO WALL ANGLES ON TWO ADJACENT SIDES OF ROOM ONLY.
4. REFER TO DETAIL 17/- & 29/- FOR ATTACHMENT OF BRACING WIRE TO STRUCTURAL SLAB ABOVE.

MAX. HEIGHT	STRUT SIZE/MAT'L	MAX HEIGHT	STRUT SIZE/MAT'L
UP TO 4'-0"	3/4" DIA EMT	UP TO 7'-0"	2-1/2" X 22 GAUGE STEEL STUD
UP TO 6'-0"	1" DIA EMT		

COMPRESSION STRUT AT SUSPENDED CEILING 05
NTS



GYPSUM BOARD CEILING FRAMING PLAN 03
SCALE: 3" = 1'-0"



NOTE:
TO FACILITATE INSTALLATION, MAIN/ CROSS T-BARS MAY BE ATTACHED TO THE PERIMETER MEMBER AT TWO ADJACENT WALLS PER DETAIL 13/- FIXED SIDE. AT THE OPPOSITE WALLS, PROVIDE HORIZONTAL STRUT AND PROVIDE CLEARANCE BETWEEN MAIN/ CROSS T-BARS AND WALLS PER DETAIL 09/- FREE SIDE.

ACT CEILING FRAMING DIAGRAM WITH 24" X 24" LT FIXTURES 01
SCALE: 3" = 1'-0"

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL
580 PACIFIC STREET, MONTEREY, CA 93940
TEL: (831) 646-5601

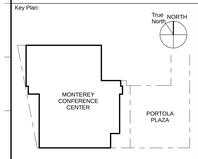
Architect / Engineer:
SOM
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

Consultants:

Issued For:

No.	Description:	Date:
	60% PROJECT COMPLETION	15 MAY 2015
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015
2	ADDENDUM 2	18 SEPT 2015

Key Plan:



Seal & Signature:

LICENSED ARCHITECT
CLIFTON K. BOSWELL
C-26963
MAY 31 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:

TYPICAL CEILING DETAILS

Project No.:	Sheet No.:
215004	A9.05
Drawn By: Author	
Checked By: Checker	
Scale: As indicated	

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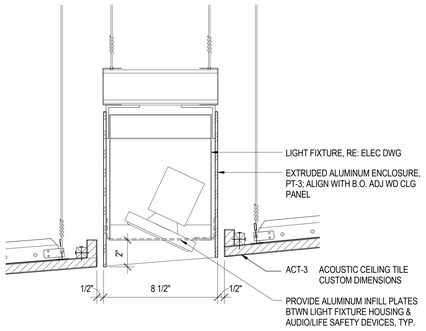
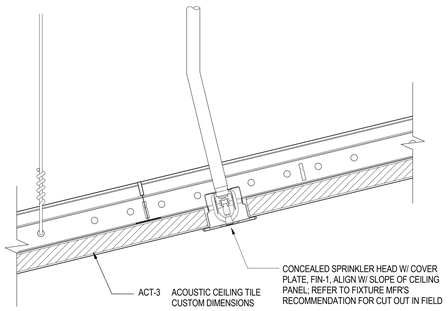
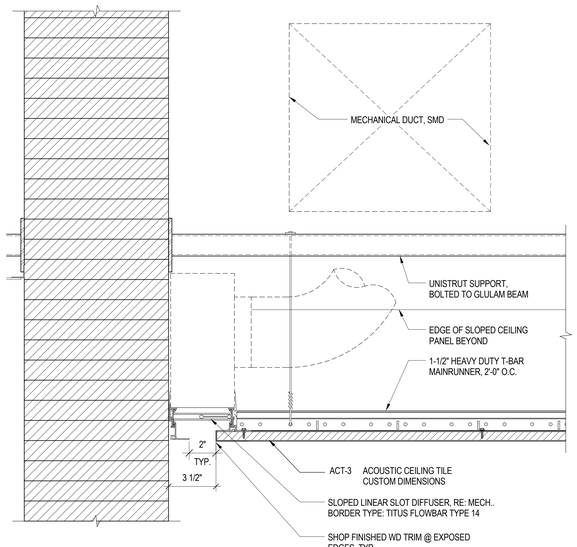
Agreement #: Ag-5097 - Page 368
Approved as to Form
CAO
CMO
5 2 9



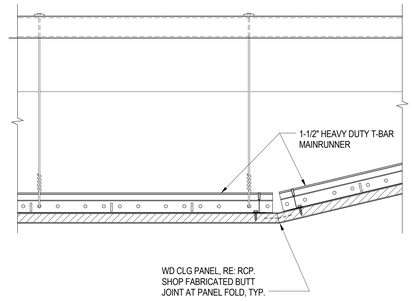
WD CLG PANEL DETAIL SECTION 35
SCALE: 3" = 1'-0"



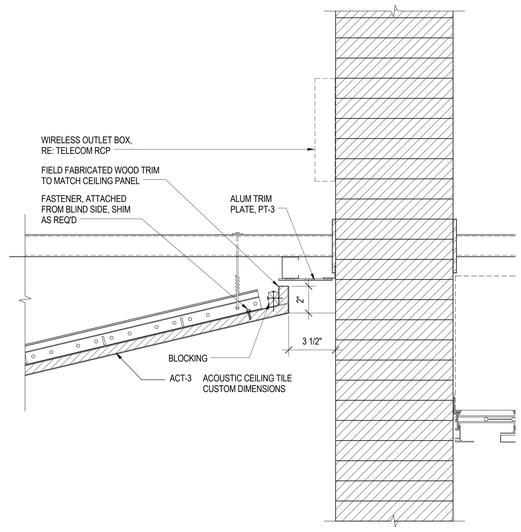
WD CLG PANEL DETAIL SECTION 34
SCALE: 6" = 1'-0"



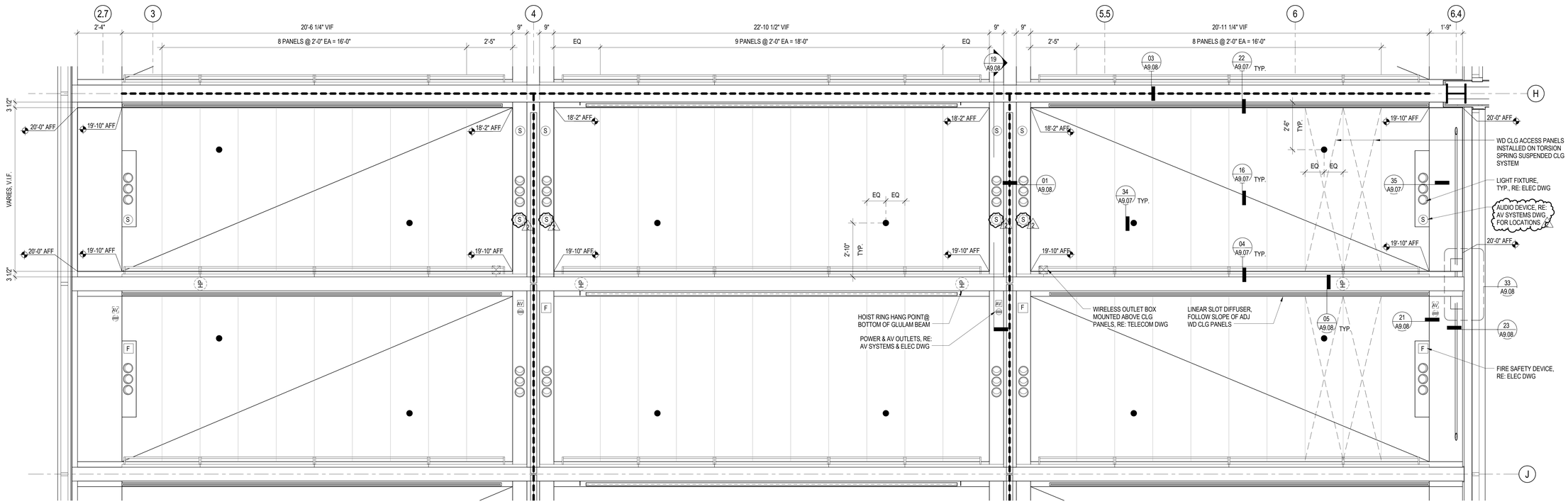
WD CLG PANEL DETAIL SECTION 22
SCALE: 3" = 1'-0"



WD CLG PANEL DETAIL SECTION 16
SCALE: 3" = 1'-0"



WD CLG PANEL DETAIL SECTION 04
SCALE: 3" = 1'-0"



WOOD CEILING PANEL ENLARGED PLAN 01
SCALE: 1/2" = 1'-0"

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

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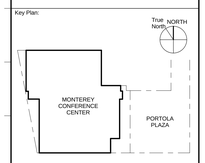
Consultants:

Issued For:

No.	Description:	Date:
	60% PROJECT COMPLETION	15 MAY 2015
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015
2	ADDENDUM 2	18 SEPT 2015

Key Plan:



Seal & Signature:

LICENSED ARCHITECT
CLIFTON K. BOSWELL
C-26963
MAY 31 2017
RENEWAL DATE
STATE OF CALIFORNIA

Sheet Name:

CEILING DETAILS - STEINBECK BALLROOM

Project No.:	Sheet No.:
215004	A9.07
Drawn By: Author	
Checked By: Checker	
Scale: As indicated	

05/7/2015 8:13:18 PM

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ABBREVIATIONS

A.B.	ANCHOR BOLT
ACI	AMERICAN CONCRETE INSTITUTE
AESS	ARCHITECTURALLY EXPOSED STRUCTURAL STEEL
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
ASTM	AMERICAN SOCIETY OF TESTING AND MATERIAL
ADD'L	ADDITIONAL
ARCH	ARCHITECT
BM	BEAM
BLKG	BLOCKING
BOT	BOTTOM
B.O.	BOTTOM OF
BR	BRACE
BF	BRACE FRAME
BLDG	BUILDING
BU	BUILT UP
CALC	CALCULATIONS
c	CAMBER
CL	CENTER LINE
C.I.P.	CAST IN PLACE
CLG	CEILING
CEM	CEMENT
C.E.	CIVIL ENGINEER
CLR	CLEAR
COL & C	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONST	CONSTRUCTION
C.J.	CONSTRUCTION OR CONTROL JOINT
C.P.	COMPLETE JOINT PENETRATION WELD
CONT	CONTINUITY
CONTIN	CONTINUOUS
df	NOMINAL BAR DIAMETER
D.L.	DEAD LOAD
DEFL	DEFLECTION
DEPR	DEPRESSION
DTL	DETAIL
DIAG	DIAGONAL
DIA	DIAMETER
DIM	DIMENSION
DISC.	DISCONTINUOUS
DO	DITTO
DBL	DOUBLE
DWL	DOWEL
DN	DOWN
DWG	DRAWING
EA	EACH
E.F.	EACH FACE
E.W.	EACH WAY
EBF	ECCENTRIC BRACE FRAME
EG	FOR EXAMPLE
ELECT.	ELECTRICAL
EL	ELEVATION
ELEV	ELEVATOR
ENGR	ENGINEER
EQ	EQUAL
EQUIP	EQUIPMENT
(E)	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
f'c	COMPRESSIVE STRENGTH OF CONCRETE
fy	YIELD STRENGTH OF STEEL
F.S.	FAR SIDE
FT	FEET
FIN.	FINISH
FLR	FLOOR
F.D.	FLOOR DRAIN
FTG	FOOTING
FDN	FOUNDATION
FRG	FRAMING
GALV	GALVANIZE
GA	GAUGE
GR	GRADE
HT	HEIGHT
H.P.	HIGH POINT
HK	HOOK
HORIZ	HORIZONTAL
HSS	HOLLOW STRUCTURAL SECTION
I	MOMENT OF INERTIA
IN.	INCH
INFO	INFORMATION
I.D.	INSIDE DIAMETER
I.F.	INSIDE FACE
INT	INTERIOR
JT	JOINT
K	KIPS
KIPS	1000 POUNDS
ld	DEVELOPMENT LENGTH
LAT	LATERAL
LTWT	LIGHT WEIGHT
LWC	LIGHT WEIGHT CONCRETE
LF	LINEAR FOOT
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
L.P.	LOW POINT
LSL	LONG SLOTTED
M.B.	MACHINE BOLT
MFR	MANUFACTURER
MAX	MAXIMUM
MECH	MECHANICAL
MTL	METAL
MEZZ	MEZZANINE
MID	MIDDLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MF	MOMENT FRAME
NGVD	NATIONAL GEODETIC VERTICAL DATUM
N.S.	NEAR SIDE
(N)	NEW
NWC	NORMAL WEIGHT CONCRETE
N.I.C.	NOT IN CONTRACT
N.T.S.	NOT TO SCALE
NO.	NUMBER
O.C.	ON CENTER
OPNG	OPENING
OPP	OPPOSITE
O.H.	OPPOSITE HAND
O.D.	OUTSIDE DIAMETER
P.P.	PARTIAL JOINT PENETRATION WELD
PD	PLANTER DRAIN
PL	PLATE
PT	POINT, POST TENSION OR PRESSURE TREATED
P.S.F.	POUNDS PER SQUARE FEET
P.C.F.	POUND PER CUBIC FEET
P.S.I.	POUND PER SQUARE INCH
PL	PROPERTY LINE
R	RADIUS
REINF	REINFORCING
RC	REINFORCED CONCRETE
REQ'D	REQUIRED
REV	REVISED OR REVISION
RF	ROOF
R.D.	ROOF DRAIN
SC	SLIP CRITICAL
SCHED	SCHEDULE
SECT	SECTION
S.A.D	SEE ARCHITECTURAL DRAWINGS
S.E.D.	SEE ELECTRICAL DRAWINGS
S.M.D.	SEE MECHANICAL DRAWINGS
S.P.D.	SEE PLUMBING DRAWINGS
SHTG	SHEATHING
SHT	SHEET
SIM	SIMILAR
S.O.G.	SLAB ON GRADE
SPEC	SPECIFICATION
SQ	SQUARE
SF	SQUARE FEET
STAGG.	STAGGERED
S.S.	STAINLESS STEEL
SSL	SHORT-SLOTTED HOLE
STD	STANDARD
STL	STEEL
STIFF	STIFFENER
STIRR	STIRRUP
STRUCT	STRUCTURAL
SV	SLOPE VARIES
SYM	SYMMETRICAL
THK	THICK OR THICKNESS
THRU	THROUGH
T & B	TOP AND BOTTOM
TL	TOTAL LOAD
T.O.	TOP OF
T.O.C.	TOP OF CONCRETE
T.O.S.	TOP OF STEEL
T.O. SLAB	TOP OF SLAB
TR	TRANSFER COLUMN
T.S.	TUBE STEEL
TSW	TOP SEAM WELD
TYP	TYPICAL
ULT	ULTIMATE
U.N.O.	UNLESS NOTED OTHERWISE
VERT	VERTICAL
VOL	VOLUME
WT	WEIGHT
WWR	WELDED WIRE REINFORCEMENT
WF	WIDE FLANGE
W/	WITH
W/O	WITH OUT
W.P.	WORK POINT

LEGEND OF SYMBOLS

SEE GENERAL NOTES FOR ALL STRUCTURAL SYMBOLS

= MATCHLINE

= DETAIL REFERENCE SYMBOL

= SECTION REFERENCE SYMBOL

= ELEVATION SYMBOL

= CHANGE ELEVATION SYMBOL

= EXISTING CONCRETE

= EXISTING CMU STRUCTURE

= EXISTING STEEL STRUCTURE

= EXISTING STRUCTURE TO BE DEMOLISHED

= OPENING

= STEEL

= CONCRETE

= CMU WALL

= STEEL FRAMING

= CONCRETE FRAMING

= SLAB EDGE

= GRIDLINES

= 5'-0" WIDE BY 3'-2" HIGH OPENING WITH CENTERLINE ELEVATION AT 3'-9"

= 12" DIA. HOLE WITH CENTERLINE ELEVATION AT 3'-9"

= ANGLE

= WIDE FLANGE COLUMN

= BOX/TUBE COLUMN

REVISION

REVISION CLOUD

REVISION NUMBER INSIDE DELTA

DRAWING LIST

DRAWING NO.	DRAWING NAME	15% PRICING ISSUE	30% SUBMITTAL	60% PROJECT COMPLETION	PERMIT SET	90% PROJECT COMPLETION	BID SET	ADDENDUM 2
S0.00	DRAWING LIST, LEGEND AND ABBREVIATIONS	●	●	●	●	●	●	●
S0.11	GENERAL NOTES I			●	●	●	●	●
S0.12	GENERAL NOTES II			●	●	●	●	●
SD2.01	DEMOLITION PLAN - LEVEL 01	●	●	●	●	●	●	●
SD2.02	DEMOLITION PLAN - MEZZANINE LEVEL	●	●	●	●	●	●	●
SD2.03	DEMOLITION PLAN - LEVEL 02	●	●	●	●	●	●	●
SD2.05	DEMOLITION PLAN - ROOF LEVEL	●	●	●	●	●	●	
SD2.05A	DEMOLITION PLAN - ROOF LEVEL (ALTERNATE)	●	●					
SD3.00	BUILDING DEMOLITION SECTIONS I			●	●	●	●	
SD3.10	BUILDING DEMOLITION SECTIONS II					●	●	
SD3.21	WALL DEMOLITION SECTIONS						●	
S2.L1	LOADING DIAGRAMS I				●	●	●	
S2.L2	LOADING DIAGRAMS II				●	●	●	
S2.01	ALTERATION PLAN - LEVEL 01	●	●	●	●	●	●	●
S2.01.1	ENLARGED ALTERATION PLAN - LEVEL 01 - SOUTH				●	●	●	●
S2.01.2	ENLARGED ALTERATION PLAN - LEVEL 01 - NORTH				●	●	●	●
S2.02	ALTERATION PLAN - MEZZANINE LEVEL	●	●	●	●	●	●	●
S2.02.1	ENLARGED ALTERATION PLAN - MEZZANINE LEVEL - SOUTH				●	●	●	●
S2.02.2	ENLARGED ALTERATION PLAN - MEZZANINE LEVEL - NORTH				●	●	●	
S2.03	ALTERATION PLAN - LEVEL 02	●	●	●	●	●	●	●
S2.03.1	ENLARGED ALTERATION PLAN - LEVEL 02 - SOUTH				●	●	●	●
S2.03.2	ENLARGED ALTERATION PT PLAN - LEVEL 02 - SOUTH				●	●	●	●
S2.03.3	ENLARGED ALTERATION PLAN - LEVEL 02 - NORTH				●	●	●	
S2.05	ALTERATION PLAN - ROOF LEVEL	●	●	●	●	●	●	●
S2.05.1	ENLARGED ALTERATION PLAN - ROOF LEVEL				●	●	●	●
S3.00	BUILDING ALTERATION SECTIONS			●	●	●	●	
S3.11	BRACE ALTERATION ELEVATIONS AND DETAILS I			●	●	●	●	●
S3.12	BRACE ALTERATION ELEVATIONS AND DETAILS II			●	●		●	●
S3.21	SHEAR WALL ALTERATION ELEVATIONS AND DETAILS I			●	●	●	●	●
S3.30	BEAM ALTERATION ELEVATIONS AND DETAILS I			●	●	●	●	
S3.31	BEAM ALTERATION ELEVATIONS AND DETAILS II			●	●	●	●	
S3.32	BEAM ALTERATION ELEVATIONS AND DETAILS III			●	●	●	●	
S3.33	BEAM ALTERATION ELEVATIONS AND DETAILS IV			●	●	●	●	
S3.34	BEAM ALTERATION ELEVATIONS AND DETAILS V			●	●	●	●	
S3.40	STAIR ALTERATION PLANS AND SECTIONS I			●	●	●	●	●
S3.41	STAIR ALTERATION PLANS AND SECTIONS II			●	●	●	●	●
S3.50	CANTILEVER BEAM SECTIONS I				●	●	●	
S3.51	CANTILEVER BEAM SECTIONS II				●	●	●	
S4.01	TYPICAL FOUNDATION DETAILS				●	●	●	●
S4.02	CAISSON CAP AND CAISSON DETAIL				●	●	●	
S5.01	TYPICAL STEEL DETAILS I			●	●	●	●	
S5.02	TYPICAL STEEL DETAILS II			●	●	●	●	●
S5.03	TYPICAL STEEL DETAILS III			●	●	●	●	●
S5.04	TYPICAL METAL DECK DETAILS			●	●	●	●	
S5.05	TYPICAL STEEL BRACE FRAME SECTIONS AND DETAILS			●	●	●	●	●
S5.06	TYPICAL STEEL BRACE FRAME SECTIONS AND DETAILS					●	●	●
S5.11	TYPICAL REINFORCED CONCRETE DETAILS I			●	●	●	●	
S5.12	TYPICAL REINFORCED CONCRETE DETAILS II			●	●	●	●	
S5.13	TYPICAL REINFORCED CONCRETE DETAILS III			●	●	●	●	
S5.14	TYPICAL REINFORCED CONCRETE SHEAR WALL SCHEDULES AND DETAILS			●	●	●	●	
S5.15	TYPICAL CONCRETE SHOTCRETE WALL SECTIONS AND DETAILS			●	●	●	●	
S5.16	TYPICAL REINFORCED CONCRETE GRAVITY COLUMN SCHEDULE AND DETAILS			●	●	●	●	
S5.17	TYPICAL REINFORCED CONCRETE GRAVITY BEAM SCHEDULE AND DETAILS			●	●	●	●	
S5.18	TYPICAL REINFORCED CONCRETE SLAB DETAILS			●	●	●	●	
S5.19	POST-TENSIONED CONCRETE SLAB DETAILS			●	●	●	●	
S5.20	TYPICAL POST-TENSIONED CONCRETE BEAM SCHEDULES AND DETAILS			●	●	●	●	
S5.30	TYPICAL GLULAM DETAILS				●	●	●	
S6.00	RETROFIT SECTIONS AND DETAILS I				●	●	●	●
S6.01	RETROFIT SECTIONS AND DETAILS II						●	●
S6.02	RETROFIT SECTIONS AND DETAILS III						●	●

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL

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SKIDMORE, OWINGS & MERRILL LLP
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Issued For:

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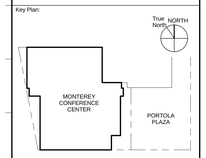
	60% PROJECT COMPLETION	15 MAY 2015
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015
2	ADDENDUM 2	18 SEP 2015

Key Plan:



Seal & Signature:

Sheet Name:

DRAWING LIST, LEGEND AND ABBREVIATIONS

Project No.:	215004
Drawn By:	TEAM
Checked By:	LEAD
Scale:	1/8" = 1'-0"

Sheet No.:

S0.00

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Agreement #: Ag-5097 - Page 368 329
Approved as to Form
CAO
RISK

GENERAL NOTES I

STRUCTURAL SYSTEM DESCRIPTION:

PROJECT OVERVIEW

THE MONTEREY CONFERENCE CENTER IS LOCATED AT 1 PORTOLA PLAZA IN MONTEREY, CALIFORNIA, AT THE NORTH-EAST CORNER OF THE INTERSECTION OF DEL MONTE AVENUE AND PACIFIC STREET. IT FACES PORTOLA PLAZA ON THE EAST SIDE, AND ALSO CONNECTS TO THE PORTOLA HOTEL & SPA ON THE NORTH SIDE. THE EXISTING CONFERENCE CENTER WAS DESIGNED IN 1974, AND MOST LIKELY DESIGNED BASED ON UBC 1970 OR UBC 1973.

THE CONFERENCE CENTER HAS AN APPROXIMATE TOTAL OF 46000 SQ. FT. OF MEETING SPACE INCLUDING TWO BALLROOMS AT THE FIRST LEVEL, THREE SMALL MEETING ROOMS AT THE MEZZANINE LEVEL, A FORUM ROOM WITH STEPPED SEATING AND MULTIPLE SMALL MEETING ROOM AT THE SECOND LEVEL. THE RENOVATED CONFERENCE CENTER IS INTENDED TO HAVE APPROXIMATELY THE SAME TOTAL AREA OF MEETING SPACE AND OVERALL BUILDING FOOTING PRINT AS THE EXISTING CENTER, BUT WITH THE TOP FLOOR CONVERTED TO HAVE A FLAT, LARGER, AND MORE EASILY SUB-DIVIDABLE BALLROOM, EXTENSIVELY RENEWED INTERIOR SPACES, AND A WELL-DEFINED EXTERIOR IDENTITY.

THE FOLLOWING DESCRIPTION SHALL BE READ IN CONJUNCTION WITH THE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR THE EXISTING AND ALTERED BUILDING.

EXISTING STRUCTURE

THE STRUCTURE OF THE EXISTING CONFERENCE CENTER COMPRISES A VERY LATERALLY STIFF CONCRETE BASE STRUCTURE TOPPED WITH A ONE-STORY STEEL UPPER STRUCTURE. THE STEEL STRUCTURE ABOVE THE EXISTING SECOND LEVEL CONSISTS OF METAL DECK SLABS WITH EITHER CONCRETE FILL OR NO CONCRETE FILL AND IN-PLANE DIAPHRAGM BRACES, STEEL BEAMS, STEEL GIRDERS, STEEL POSTS, AND CONCENTRIC STEEL ROD BRACES. THE CONCRETE BASE STRUCTURE CONSISTS OF POST-TENSIONED CONCRETE SLABS, REINFORCED CONCRETE BEAMS AND LONG SPAN POST-TENSIONED CONCRETE TRANSFER GIRDERS, CONCRETE COLUMNS AND A LARGE QUANTITY OF REINFORCED CONCRETE SHEAR WALLS. FOUNDATIONS COMPRISE REINFORCED CONCRETE SPREAD FOOTINGS AT COLUMNS AND STRIP FOOTINGS AT WALLS. BASED ON GENERAL NOTES ON THE EXISTING DRAWING AND THE SPECIFICATION, THE CONCRETE COMPRESSIVE STRENGTH IS GENERALLY 3000PSI FOR BEAMS AND SLABS, AND 4000 PSI FOR COLUMNS AND WALLS FOR THE CONCRETE BASE STRUCTURE.

THE NORTH-WEST CORNER OF THE CONFERENCE CENTER'S CONCRETE BASE STRUCTURE SUPPORTS A SMALL PORTION OF THE EXISTING FOUR-STORY PORTOLA HOTEL & SPA STRUCTURE. THE HOTEL STRUCTURE, TYPICALLY SEISMICALLY INDEPENDENT AND SEPARATED FROM THE CONFERENCE CENTER STRUCTURE, CONSISTS OF POST-TENSIONED CONCRETE FLAT SLABS WITH DROP PANELS, REINFORCED CONCRETE COLUMNS, AND REINFORCED CONCRETE SHEAR WALLS. THE PORTION OF HOTEL STRUCTURE SITTING DIRECTLY ON THE CONFERENCE CENTER CONCRETE BASE STRUCTURE IS SEPARATED FROM THE REST OF THE HOTEL COMPLEX WITH CONTINUOUS SEISMIC JOINTS AT EVERY FLOOR, AND TRANSMITS ITS GRAVITY AND LATERAL LOADS INTO THE CONCRETE BASE STRUCTURE. BASED ON GENERAL NOTES ON THE EXISTING DRAWING AND THE SPECIFICATION, THE STEEL YIELD STRENGTH IS GENERALLY 36KSI, THE TUBE STEEL COLUMNS ARE 46KSI, AND THE DIAGONAL BRACING RODS ARE 40KSI FOR THE STEEL SUPERSTRUCTURE.

THE LEVEL OF THE TOP OF GRADE ALONG THE SOUTH AND WEST SIDE OF THE CONFERENCE CENTER VARIES, REACHING THE SECOND LEVEL NEAR THE SOUTH-WEST CORNER.

PROPOSED MODIFICATIONS

ON THE FIRST LEVEL OF THE CONFERENCE CENTER, MODIFICATIONS WILL BE MADE TO THE STRUCTURE OF THE CONCRETE BASE AT THE FRONT ENTRY AND MAIN LOBBY AREA, WHILE LEAVING THE STRUCTURE OF DE ANZA BALLROOM AND SERRA BALLROOM MOSTLY INTACT. THE SHEAR WALLS EAST OF GRIDLINE M WILL BE DEMOLISHED TO ALLOW THE BUILDING ENVELOPE TO BE PULLED BACK ON THE NORTH-EAST SIDE FACING THE PORTOLA PLAZA, AND NEW COLUMNS WILL BE ADDED ON GRIDLINE L.8 TO PUSH THE BUILDING ENVELOPE OUTWARD AT THE SOUTH-EAST CORNER AND CREATE A CLEAN AND RECTILINEAR BUILDING FRONTAGE. SHEAR WALLS EAST OF GRIDLINE K ENCLOSING THE EXISTING ADMINISTRATIVE OFFICE AND BOX OFFICE WILL ALSO BE REMOVED TO CREATE A MORE OPEN LOBBY AND PRE-FUNCTION SPACE SERVING THE SERRA BALLROOM. COLUMNS ON GRIDLINE L ARE PRESERVED TO CARRY THE GRAVITY LOADS FROM THE STORIES ABOVE. NEW SHEAR WALLS WILL BE ADDED ON GRIDLINE K AND GRIDLINE M, AND EXISTING SHEAR WALLS ON GRIDLINE K AT THE SERRA BALLROOM WILL BE STRENGTHENED TO ALLOW THE CONCRETE BASE STRUCTURE TO HAVE SIMILAR LATERAL STIFFNESS AND SHEAR CAPACITY TO WHAT EXISTED BEFORE THE RENOVATION, AND TO AVOID THE NEED FOR STRENGTHENING THE SHEAR WALLS IN OTHER PARTS OF THE SAME FLOOR.

AT THE MEZZANINE LEVEL OF THE CONFERENCE CENTER, THE RAISED EXTERIOR PLAZA FRAMING TOWARD THE EAST WILL BE DEMOLISHED TO CREATE A DOUBLE HEIGHT LOBBY SPACE. THE UNRAISED INTERIOR FLOOR STRUCTURE OF THE INTERMEDIATE LEVEL SUPPORTING EXISTING MEETING ROOMS AND RESTROOMS WILL NOT BE MODIFIED.

AT THE SECOND LEVEL OF THE CONFERENCE CENTER, NEW POST-TENSIONED SLABS, AND REINFORCED CONCRETE BEAMS AND COLUMNS WILL BE ADDED AT THE SOUTH-EAST TO FRAME THE NEW CORNER OF THE BUILDING. THE EXISTING STEPPED STRUCTURE OF THE STEINBECK FORUM FLOOR WILL BE REMOVED TO CREATE A FLAT FLOOR FOR THE NEW BALLROOM. THE EXISTING COLUMNS AND BRACES OF THE COLTON MEETING ROOMS THAT ARE CURRENTLY IN THE MIDDLE OF THE PLANNED NEW BALLROOM AND PRE-FUNCTION SPACES WILL BE REMOVED AND REPLACED WITH RELOCATED COLUMNS AND BRACES ALONG THE PERIMETER OF THE NEW BALLROOM. NEW TRANSFER BEAMS WILL BE ADDED AS NEEDED AT THE NEW COLUMN LOCATIONS, AND THE LONG-SPAN, POST-TENSIONED TRANSFER GIRDERS AND THEIR SUPPORTING STRUCTURES WILL BE MODIFIED TO SUPPORT THE REVISED LOADS THEY RECEIVE.

AT THE ROOF LEVEL OF THE STEEL STRUCTURE, THE EXISTING FRAMING OF THE FERRANTE MEETING ROOMS AND THE EXISTING TRUSS JOISTS SUPPORTING THE MECHANICAL EQUIPMENT WILL BE PRESERVED. THE STEPPED ROOF STRUCTURE OF THE EXISTING STEINBECK FORUM WILL BE REMOVED AND REPLACED WITH A NEW FLAT LONG-SPAN ROOF STRUCTURE FOR THE NEW BALLROOM. LONG-SPAN GLULAM GIRDERS WILL BE USED TO FRAME THE ROOF OF THE NEW BALLROOM. THE ROOF FRAMING AND STEEL SUPPORT STRUCTURES FOR THE EXISTING FERRANTE MEETING ROOMS WILL BE REMOVED AND REPLACED AS THESE SPACES ARE BEING INCORPORATED INTO THE NEW BALLROOM, NEW PRE-FUNCTION AREAS, AND THE NEW TERRACE THAT OPENS UP TO PORTOLA PLAZA.

NOTES FOR PRICING:

1. EXTENT OF WORK AND PRIMARY STRUCTURAL MATERIAL QUANTITIES SHOULD BE BASED ON INFORMATION SHOWN AND DESCRIBED.
2. ALLOW THE FOLLOWING IN ADDITION TO MATERIAL SHOWN AND DESCRIBED:

CONCRETE (5000 PSI):	100 CU. YD.
REBAR (GRADE 60):	10 T.
STRUCTURAL STEEL (ROLLED): 5 T.	
BEAMS & GIRDERS:	200 LB/CU. YD.
SLABS:	220 LB/CU. YD.
SLABS-ON-GRADE:	150 LB/CU. YD.

3. WHERE NOT SHOWN OR INFERABLE, PROVIDE ALLOWANCE FOR CONNECTIONS AT ALL STRUCTURAL STEEL COMPONENTS, THIS ALLOWANCE MAY BE TAKEN TO BE 15% OF STEEL CENTER-TO-CENTER MEMBER WEIGHT.
4. ALL HORIZONTAL AND VERTICAL REINFORCEMENT IN NEW CONCRETE SHALL BE DOWELED OR LAPPED INTO EXISTING CONCRETE WHERE NEW AND EXISTING CONCRETE INTERFACE. EPOXY ANCHORED DOWELS SHALL FULLY DEVELOP THE CAPACITY OF THE REINFORCEMENT.
5. UNLESS SHOWN OR NOTED OTHERWISE, FOR WALLS THICKENED USING SHOTCRETE, ALLOW #4 HOOKED DOWELS EPOXY ANCHORED INTO FACE OF EXISTING WALLS AT 2'-0" O.C. EACH WAY TYPICALLY. FACE OF EXISTING WALL SHALL BE ROUGHENED TO 1/4" AMPLITUDE.
6. PRIOR TO DRILLING OR CORING INTO ANY EXISTING CONCRETE TO REMAIN, EXISTING REBAR AND PT TENDON SHALL BE LOCATED BY SCANNING. SHOP DRAWINGS SHOWING THE COORDINATED LOCATIONS OF OPENINGS AND ANCHORS TO AVOID DAMAGING EXISTING REBAR AND PT TENDONS SHALL BE SUBMITTED. DRILL HOLES IN BASE PLATES AND ANCHOR PLATES ONLY AFTER LOCATIONS OF ANCHORS HAVE BEEN DETERMINED AND SIZES OF PLATE FINALIZED.
7. PROVIDE PRIMER PAINTING AT ALL STEEL COMPONENTS NOT RECEIVING FIREPROOFING. ALL EXTERIOR EXPOSED STEEL SHALL BE GALVANIZED.
8. PROVIDE ALLOWANCE FOR SECONDARY CONCRETE, REINFORCEMENT, AND STEEL MATERIAL INCLUDING FILL, CURBS, PADS, METAL SCREENS, METAL STAIR, ELEVATOR RAIL SUPPORTS, MEP EQUIPMENT AND COMPONENT ANCHORAGES, EXTERIOR WALL SUPPORTS AND ANCHORAGES, CIVIL AND LANDSCAPING STRUCTURES.
9. FOR ALL POST-TENSIONED BEAMS AND GIRDERS TO REMAIN, PROVIDE ELEVATION SURVEY AT THE ENDS AND QUARTER POINTS ALONG THE SPAN PRIOR TO ANY DEMOLITION, AFTER COMPLETION OF REQUIRED DEMOLITION, AND AFTER COMPLETION OF ALL NEW INSTALLATION.

GENERAL

1. ALL WORK SHALL COMPLY WITH THE DRAWINGS AND SPECIFICATIONS, AS WELL AS, THE MINIMUM REQUIREMENTS OF THE 2013 CALIFORNIA BUILDING CODE (CBC) INCLUDING ASCE 7-10.
2. NOTES, TYPICAL DETAILS AND SCHEDULES APPLY TO ALL DRAWINGS AND GOVERN UNLESS OTHERWISE SHOWN, NOTED OR SPECIFIED.
3. ALL ELEVATIONS SHOWN ON STRUCTURAL DRAWINGS RELATE TO PROJECT DATUM, WHICH +0'-0 CORRESPONDS TO +21'-0" PER 1974 ORIGINAL DOCUMENT BENCHMARK. 2
4. DIMENSIONS ARE IN UNITS OF FEET AND INCHES, UNLESS NOTED OTHERWISE.
5. SEE CIVIL AND ARCHITECTURAL DRAWINGS FOR REFERENCE LOCATION OF PROJECT GRID LINES TO SITE SURVEY COORDINATES.
6. WHERE DIMENSIONS ARE NOT INFERABLE FROM THE FRAMING PLAN AND ELEVATION DRAWINGS, CONTRACTOR MAY SCALE THE DRAWINGS ONLY TO ESTIMATE THE LENGTH OF MEMBERS FOR THE PURPOSE OF BIDDING. DRAWINGS SHALL NOT BE SCALED FOR THE PURPOSE OF PREPARING SHOP DRAWINGS AND CONSTRUCTION.
7. DISCREPANCIES AND OMISSIONS IN DRAWINGS AND SPECIFICATIONS SHALL BE REFERRED TO THE OWNER'S CONSTRUCTION MANAGER FOR CLARIFICATION.
8. IF A CONFLICT EXISTS IN PROJECT SPECIFICATIONS AND DRAWINGS, THE MORE STRINGENT SHALL GOVERN UNLESS OTHERWISE PERMITTED BY THE PROJECT ENGINEER OF RECORD.
9. CONSTRUCTION LOADS SHALL NOT BE PLACED UNTIL THE DESIGN STRENGTH HAS BEEN ATTAINED AND ALL PERMANENT SUPPORTS ARE IN PLACE.
10. CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY BRACING, SHORING, GUYING, OR OTHER TEMPORARY SUPPORT DURING CONSTRUCTION TO ASSURE CORRECT AND ACCURATE STRUCTURE GEOMETRY, AND TO AVOID OVERSTRESS.
11. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS OF EXISTING STRUCTURES, UNDERGROUND UTILITIES AND CONDITIONS WITHIN EXTENT OF PROJECT LIMITS. INFORM THE OWNER'S CONSTRUCTION MANAGER OF VARIATIONS FOUND IMMEDIATELY AND REQUEST FURTHER DIRECTION.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL REINFORCED CONCRETE EMBEDS, CONDUIT SLEEVES, PENETRATIONS, INSERTS, EMBEDDED AND EXPANSION ANCHOR BOLTS, BASE PLATES, AND ETC. AS SHOWN ON ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, CIVIL, SITE, AND OTHER CONTRACT DRAWINGS. COORDINATE ALL WORK WITH TYPICAL STRUCTURAL DETAILS AND SUBMIT COORDINATED SHOP DRAWINGS FOR REVIEW.
13. REFER TO ARCHITECTURAL DRAWINGS FOR TOP OF FINISHED ELEVATIONS.
14. REFER TO ARCHITECTURAL DRAWINGS FOR STAIR LAYOUTS AND SUPPORT CONCEPTS.
15. REFER TO ARCHITECTURAL, CIVIL AND MEP DRAWINGS AND OTHER PROJECT DOCUMENTS FOR WATERPROOFING DETAILS, CURBS, EQUIPMENT PADS, NON-STRUCTURAL CONCRETE FILL THICKNESS, CONCRETE EMBEDMENTS AND CAST-IN FIXINGS, SLEEVES, AND SLAB PENETRATIONS, AND OTHER ELEMENTS REQUIRING COORDINATION.
16. REFER TO ARCHITECTURAL AND MEP DRAWINGS AND OTHER PROJECT DOCUMENTS AND MAKE APPROPRIATE ALLOWANCE FOR SECONDARY FRAMING REQUIREMENTS TO SUPPORT ELEVATOR AND ESCALATOR SYSTEM, MEP SYSTEMS, BUILDING MAINTENANCE SYSTEMS, CLADDING SYSTEMS, PARAPETS, AND ANY SPECIAL ARCHITECTURAL FEATURES, ETC.

MODIFICATIONS TO EXISTING STRUCTURES

1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS OF EXISTING CONSTRUCTION, STRUCTURES, UNDERGROUND UTILITIES AND CONDITIONS WITHIN EXTENT OF PROJECT LIMITS. INFORM THE OWNER'S CONSTRUCTION MANAGER OF SIGNIFICANT VARIATIONS FOUND IMMEDIATELY AND REQUEST FURTHER DIRECTION.
2. ALL DIMENSIONS AND REPRESENTATIONS OF EXISTING CONDITIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE, AND ARE TO BE USED FOR REFERENCE ONLY. EXISTING CONSTRUCTION SHALL BE FIELD VERIFIED BY THE CONTRACTOR BY PERFORMING A DIMENSIONAL INSTRUMENT SURVEY AND EXISTING CONDITION SURVEY. PRIOR TO THE PREPARATION OF SHOP DRAWINGS, THE COMMENCING OF FABRICATION, AND ERECTION OF ALL NEW CONSTRUCTION FOR ALL AREAS.
3. LIMITED STRUCTURAL DRAWINGS FOR EXISTING STRUCTURES WITHIN THE PROJECT LIMITS ARE AVAILABLE AND MAY BE REQUESTED FOR REVIEW OR REPRODUCTION FROM THE OWNER.
4. THE GRID LINES FOR THE EXISTING STRUCTURES OF THE MONTEREY CONFERENCE CENTER AND THE PORTOLA HOTEL SHOWN ARE THE AS-DESIGNED GRID LINES TAKEN FROM THE AVAILABLE ORIGINAL BUILDING DRAWINGS. THEY ARE TO BE USED AS THE REFERENCE GRID SYSTEM FOR THE PROJECT. AS-BUILT LOCATIONS OF THE EXISTING STRUCTURES AND FINISHES WILL VARY FROM THEIR AS-DESIGNED LOCATIONS BY VARIOUS AMOUNTS. EXISTING CONDITIONS SHALL BE VERIFIED IN THE FIELD, AND VARIATIONS RELATED TO THE REFERENCE GRID IN ALL RELEVANT COMMUNICATION.
5. THE CONTRACTOR SHALL PERFORM SURVEYS AS NECESSARY TO ESTABLISH EXISTING CONDITIONS AND RELATIONSHIPS TO THE REFERENCE GRID, AND SHALL BRING CONDITIONS OF VARIANCE WHICH COULD IMPACT THE DESIGN INTENT SHOWN TO THE ATTENTION OF THE ARCHITECT IN A TIMELY MANNER FOR DIRECTION.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING CONSTRUCTION ADJACENT TO THE WORK FROM DAMAGE AS A RESULT OF CONSTRUCTION OPERATIONS, AND FOR REPAIRING ANY DAMAGE THAT DOES OCCUR TO MATCH CONDITIONS THAT EXISTED AT THE START OF CONSTRUCTION.
7. THE CONTRACTOR IS RESPONSIBLE FOR CONDUCTING CONSTRUCTION OPERATIONS IN A MANNER THAT IS CONSISTENT WITH ONGOING OPERATIONS OF THE FACILITY. OPERATIONS SHALL BE COORDINATED AS NECESSARY WITH THE OWNER, FACILITY OPERATORS AND OTHER CONCERNED PARTIES TO PERMIT SCHEDULED EVENTS TO OCCUR AS AGREED. NOISE AND VIBRATION LEVELS SHALL NOT EXCEED LIMITS ACCEPTABLE TO THE OWNER, FACILITY OPERATORS AND OTHER CONCERNED PARTIES.
8. ANY EXISTING FINISHES OR FIREPROOFING REMOVED OR DAMAGED TO ACCOMPLISH ANY STRUCTURAL MODIFICATIONS SHALL BE REINSTATED TO AT LEAST MATCH THE INITIAL CONDITIONS AT THE COMPLETION OF THE STRUCTURAL MODIFICATION WORK, UNLESS NOTED OTHERWISE.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING AND PROVIDING ALL TEMPORARY SHORING AND BRACING REQUIRED DURING THE REMOVAL OF EXISTING STRUCTURE, AND THE INSTALLATION OF NEW STRUCTURE.
10. THE CONTRACTOR SHALL IMPLEMENT A CONTINUOUS TRANSIT SURVEY-MONITORING PROGRAM THAT DOCUMENTS THE ELEVATIONS OF NEW AND EXISTING STRUCTURE DURING THE REMOVAL OF EXISTING STRUCTURE AND THE INSTALLATION OF ALL NEW STRUCTURAL ELEMENTS. SURVEY SHALL BE ON AT LEAST A 15' X 15' GRID FOR A MINIMUM OF 15' BEYOND THE LIMITS OF ALL AREAS BEING MODIFIED. ALTERNATE, REASONABLE SURVEY PROGRAM PROPOSALS WILL BE CONSIDERED.
11. PROTECTION OF EXISTING REINFORCEMENT
    - A. LOCATE AND MARK ALL EXISTING REINFORCEMENT AT THE PERIMETER OF THE REMOVAL AREAS PRIOR TO THE START OF REMOVAL. UTILIZE MAGNETOMETER (PACHOMETER, R-METER OR EQUIVALENT) DEVICES TO LOCATE REINFORCEMENT.
    - B. BEYOND THE EDGE OF THE CONCRETE DEMOLITION LINES SHOWN, WHERE NEW CONCRETE IS POURED AGAINST EXISTING CONCRETE, EXISTING CONCRETE REINFORCEMENT IS TO BE RE-USED IN-PLACE, U.N.O. THE CONCRETE SHALL BE REMOVED FOR THE LENGTHS INDICATED IN A MANNER WHICH AVOIDS DAMAGE OR DISTORTION TO THE REINFORCEMENT. POWER WIRE-BRUSH CLEAN ALL REINFORCEMENT TO REMAIN. DAMAGED REINFORCEMENT SHALL BE REPLACED BY A METHOD ACCEPTABLE TO THE ARCHITECT. A MINIMUM OF A TENSION LAP SPLICE LENGTH OF THE EXPOSED REINFORCEMENT BEYOND THE EDGE OF THE CONCRETE DEMOLITION SHALL BE RE-USED, UNLESS NOTED OTHERWISE.
    - C. EDGES OF CONCRETE DEMOLITION THAT ARE SHOWN OR NOTED TO BE THE EDGE OF STRUCTURE SHALL BE CUT CLEAN AND REINFORCEMENT EXPOSED AT CONCRETE SURFACE COATED WITH ZINC-RICH PAINT.
12. AFTER DEMOLITION OF CONCRETE, SURVEY THE DEMOLITION LINE AND AS-BUILT REINFORCEMENT PROJECTING FROM THE LINE OF DEMOLITION WITHIN 48 HOURS OF DEMOLITION AND SUBMIT TO THE ARCHITECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS RELATED TO RECTIFICATION OF CONDITIONS CAUSED BY THE DAMAGE OR REMOVAL OF REINFORCEMENT OR OTHER STRUCTURAL ELEMENTS SHOWN ON THE DRAWINGS AS TO REMAIN.
13. ALL EXPOSED EXISTING REINFORCING STEEL TO REMAIN SHALL BE PROTECTED FROM DAMAGE OR DISTORTION AND CLEANED IN CONFORMANCE WITH SSPC-SP3 RATING.

STRUCTURAL LOAD CRITERIA

1. GRAVITY LOAD CRITERIA: THE GRAVITY LOADING CONDITIONS ARE BASED ON CBC 2013, AND ASCE 7-10.
2. WIND LOAD CRITERIA: THE WIND LOADING CONDITIONS AND VARIABLES ARE DETERMINED BASED ON CBC 2013 AND ASCE 7-10.

BASIC WIND SPEED, V	115 MPH	ASCE 7-10 FIGURE 2.65-1A
EXPOSURE CATEGORY	B	ASCE 7-10 SECTION 26.7.3
TOPOGRAPHICAL FACTOR, Kzt	1.0	ASCE 7-10 SECTION 26.8
GUST FACTOR, G	0.85	ASCE 7-10 SECTION 26.9.1
DIRECTIONALITY FACTOR, Kd	0.85	ASCE 7-10 TABLE 26.6-1

3. SEISMIC LOAD CRITERIA: THE SEISMIC LOADING CONDITIONS AND VARIABLES ARE DETERMINED BASED ON CBC 2013 AND ASCE 7-10.

SITE LOCATION	LATITUDE =	36.601°
	LONGITUDE =	-121.895°
RISK CATEGORY	III	ASCE 7-10 TABLE 1.5-1
SEISMIC IMPORTANCE FACTOR, Ie	1.25	ASCE 7-10 TABLE 1.5-2
SITE CLASS	C	ASCE 7-10 TABLE 20.3-1
SITE COEFFICIENT	Fa= 1.00,	Fv = 1.30
SPECTRAL RESPONSE COEFFICIENT (MCE)	SMS = 1.522g	SM1 = 0.726g
SPECTRAL RESPONSE COEFFICIENT (DE)	SDS = 1.015g,	SD1 = 0.484g
SEISMIC DESIGN CATEGORY	D	ASCE 7-10 SECTION 11.6

EXCAVATIONS

1. SEE CIVIL DRAWINGS FOR THE GENERAL DEMOLITION, EXCAVATION AND ROUGH GRADING, AND ADDITIONAL EXCAVATION AND SHORING NOTES.
2. PROVIDE EXCAVATION AND TEMPORARY SHORING AS REQUIRED.
3. ALL EXCAVATIONS SHALL BE RETAINED BY A SOIL RETENTION SYSTEM AS REQUIRED. THE DESIGN, INSTALLATION, MAINTENANCE, MONITORING AND REMOVAL SHALL BE THE COMPLETE AND SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL PROVIDE ALL MEASURES AND PRECAUTIONS NECESSARY TO PREVENT DAMAGE AND MINIMIZE SETTLEMENT OF EXISTING OR NEW CONSTRUCTION (INCLUDING UTILITY LINES) INSIDE OR OUTSIDE OF THE PROJECT LIMITS. ANY DAMAGE TO THESE ELEMENTS CAUSED BY CONSTRUCTION OR MOVEMENT OF THE SOIL RETENTION SYSTEM, SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
4. THE CONTRACTOR SHALL COORDINATE ALL ELEMENTS OF THE SOIL RETENTION SYSTEM WITH ALL ELEMENTS OF THE PERMANENT BUILDING, EXISTING UTILITIES/CONDITIONS, ADJACENT STRUCTURES, ROADWAYS AND CONDITIONS.
5. ALL EXCAVATION SHALL BE BASED ON ENGINEERED DRAWINGS PREPARED BY THE CONTRACTOR INCLUDING PLANS AND SECTIONS OF EXCAVATION SEQUENCES. THE EXCAVATION SEQUENCES SHALL BE CONTROLLED TO MATCH THE REQUIREMENTS OF THE DESIGN OF THE SOIL RETENTION SYSTEM AND TO PERMIT MONITORING OF WALL AND GROUND MOVEMENTS.
6. THE CONTRACTOR SHALL PROVIDE POSITIVE PROTECTION (MAT/SHEET COVERINGS) FOR ALL EXCAVATION SLOPES TO PROTECT SLOPES FROM INSTABILITY AND DETERIORATION DUE TO RAIN, WIND, ETC.
7. BASED ON GEOTECHNICAL BORING DATA AND REPORTS FOR THE SITE, IT IS EXPECTED THAT A TEMPORARY DEWATERING SYSTEM WILL BE REQUIRED DURING SITE EXCAVATION AND FOUNDATION CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE DEWATERING SYSTEMS INCLUDING SURFACE DRAINAGE CHANNELS, SUMPS, SUMP PUMPS, ETC., TO PROTECT ALL EXCAVATIONS FROM FLOODING. FLOODING OF ANY EXCAVATION AFTER APPROVAL OF ANY SUBGRADE WILL BE CAUSE FOR COMPLETE REMOVAL OF CONCRETE, MUD SLABS AND THE COMPLETE RE-PREPARATION AND APPROVAL OF THE SUBGRADE. CONTINUE DEWATERING SYSTEM OPERATION DURING PROGRESS OF WORK AND UNTIL BACKFILLING HAS BEEN COMPLETED. DEWATERING OPERATIONS SHALL NOT INDUCE MOVEMENT OR SETTLEMENT OF SOIL IN THE AREA SURROUNDING THE EXCAVATION.
8. REFER TO GEOTECHNICAL REPORTS FOR ADDITIONAL SPECIAL CONSIDERATIONS DURING DEWATERING OPERATIONS AS THEY RELATE TO EXISTING AND ADJACENT CONSTRUCTION.
9. THE OWNER'S GEOTECHNICAL ENGINEER SHALL REVIEW AND MONITOR THE EXCAVATION, ANY DEWATERING AND SOIL RETENTION SYSTEMS.

FOUNDATIONS - GENERAL

1. REFER TO THE FOLLOWING PROJECT GEOTECHNICAL RECOMMENDATIONS AND REPORTS:
    - A. SOIL AND FOUNDATION INVESTIGATION, CUSTOM HOUSE CONVENTION CENTER, MONTEREY, CALIFORNIA, BY LEE AND PRASZKER ON NOVEMBER 29, 1973.
    - B. UPDATED GEOTECHNICAL ENGINEERING RECOMMENDATIONS, MONTEREY CONFERENCE CENTER – LOBBY ENLARGEMENT, BY EARTH SYSTEMS PACIFIC ON APRIL 7, 2015.
    - C. ADDENDUM NO. 1 TO UPDATED GEOTECHNICAL ENGINEERING RECOMMENDATIONS – LATERAL SOIL RESTRAINT AND SEISMIC SURCHARGE PRESSURES, BY EARTH SYSTEMS PACIFIC ON MAY 21, 2015.
2. WHERE COLUMN AND WALL FOUNDATIONS ARE INDICATED ON THE FOUNDATION PLANS, SCHEDULES, SECTIONS AND DETAILS, THE MAXIMUM ALLOWABLE SOIL PRESSURES SHALL BE AS INDICATED IN PROJECT GEOTECHNICAL RECOMMENDATIONS INCLUDING INCREASE IN ALLOWABLE SOIL PRESSURES PERMITTED UNDER THE COMBINED EFFECTS OF DEAD PLUS LIVE LOADS WITH SEISMIC OR WIND LOADS.
3. SEE PROJECT CIVIL AND ARCHITECTURAL DRAWINGS FOR EXISTING GRADES, CONDITIONS, ELEVATIONS AND LIMIT OF WORK AT GRADE LEVEL.
4. CONTRACTOR SHALL COORDINATE ALL WORK SHOWN WITH WORK ON CIVIL, ARCHITECTURAL, MECHANICAL, PLUMBING, AND RELATED PROJECT DRAWINGS, AND, OTHER RELATED CONTRACT WORK.
5. SEE FOUNDATION PLANS AND DRAWINGS FOR TYPICAL FOUNDATION, GRADE BEAM AND SLAB-ON-GRADE SCHEDULES, SECTIONS AND DETAILS.
6. PROVIDE WATERSTOPS AT ALL BELOW GRADE REINFORCED CONCRETE CONSTRUCTION JOINTS, SHOWN OR NOT SHOWN, AT ALL PERIMETER WALLS, PITS, SUMPS, TRENCHES AND MAT/SLAB-ON-GRADE CONDITIONS THAT ARE AT OR BELOW DESIGN WATER TABLE ELEVATION PER GEOTECHNICAL RECOMMENDATIONS.
7. CONTINUOUS FOOTINGS AND GRADE BEAMS MAY BE POURED IN NEAT TRENCHES DIRECTLY AGAINST THE SOIL WITHOUT SIDE FORMS IF SPECIAL PRECAUTION IS TAKEN TO PREVENT EARTH AND DEBRIS FROM FALLING INTO AND/OR AGAINST EXCAVATIONS.
8. CONTINUOUS FOOTINGS AT VARYING ELEVATIONS SHALL BE STEPPED.
9. OVEREXCAVATED AREAS SHALL BE BACKFILLED WITH COMPACTED ENGINEERING FILL OR CONCRETE OF SAME DESIGN STRENGTH AS ELEMENT BEING POURED.
10. FOUNDATION EXCAVATIONS SHALL BE CLEANED OF LOOSE SOILS. NO DRILLED PIER, FOOTING AND/OR GRADE BEAM SHALL BE POURED INTO OR AGAINST SUBGRADE CONTAINING FREE WATER. IF REQUIRED, DE-WATERING SHALL BE PROVIDED TO AVOID DISTURBING THE FOUNDATION SOILS.
11. APPROVED TESTING AGENCY AND THE GEOTECHNICAL ENGINEER SHALL CONDUCT FIELD QUALITY CONTROL.
12. IF ANY UNUSUAL CONDITION, SUCH AS SOFT POCKETS OR USUALLY HIGH GROUNDWATER ARE ENCOUNTERED WHEN MAKING EXCAVATIONS, NOTIFY THE GEOTECHNICAL ENGINEER IMMEDIATELY FOR DIRECTION.

CONCRETE - GENERAL

1. ALL CONCRETE REINFORCEMENT SHALL BE DETAILED, FABRICATED, LABELED, SUPPORTED, SPACED IN FORMS AND SECURED IN PLACE IN ACCORDANCE WITH THE PROCEDURES AND MINIMUM REQUIREMENTS OUTLINED IN THE LATEST EDITIONS OF "ACI 318 - BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE", AND "ACI 315 - MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES", AND AS APPLICABLE BY MINIMUM IBC REQUIREMENTS.
2. PLACE ALL CONCRETE PER RECOMMENDED ACI PROVISIONS FOR HOT AND COLD WEATHER CONCRETING CONDITIONS.
3. PROVIDE APPROVED CURING COMPOUND AND SEALER FOR THE TOP SURFACE OF ALL SLAB WORK, UNLESS NOTED OTHERWISE. PROVIDE APPROVED CURING COMPOUND, SEALER AND HARDENER FOR ALL SLABS IN M.E.P. AND STORAGE AREAS, UNLESS NOTED OTHERWISE. REMOVE CURING COMPOUNDS AS PER MANUFACTURER INSTRUCTIONS AT SLABS SHOWN ON ARCHITECTURAL DRAWINGS TO RECEIVE SUBSEQUENT TOPPINGS AND FINISHES.
4. WHERE REQUIRED, DOWELS SHALL MATCH THE SIZE AND NUMBER OF MAIN REINFORCING, UNLESS NOTED OTHERWISE. ALL WALLS AND SLABS SHALL BE DOWELED INTO SUPPORTING GRADE BEAMS, BEAMS, GIRDERS, OR WALLS AS INDICATED ON THE DRAWINGS.
5. ALL REINFORCING SPLICES SHALL CONFORM TO THE REQUIREMENTS OF ACI 318 AND DETAILS SHOWN, BUT IN NO CASE SHALL BE LESS THAN 36 BAR DIAMETERS, UNLESS NOTED OTHERWISE.
6. ALL WELDED WIRE FABRIC SHALL BE LAPPED A MINIMUM OF TWO FULL MESH PANELS AND TIED SECURELY.
7. ALL WALLS AND STRUCTURAL SLABS SHALL BE REINFORCED WITH AT LEAST 1 - #4 AT 12 INCHES ON CENTER, EACH WAY, EACH FACE, UNLESS NOTED OTHERWISE. ALL SLABS-ON-GRADE SHALL BE REINFORCED WITH AT LEAST #4@9 INCHES ON CENTER, EACH WAY, UNLESS NOTED OTHERWISE. PROVIDE MINIMUM ONE LAYER OF 6 X 6 – W2.9 X W2.9 WELDED WIRE FABRIC CONTINUOUS IN ALL CONCRETE FILLS ABOVE STRUCTURAL CONCRETE UNLESS NOTED OTHERWISE. ALL MECHANICAL, ELECTRICAL, AND PLUMBING EQUIPMENT PADS SHALL BE REINFORCED WITH AT LEAST #4@12 INCHES ON CENTER EACH WAY, UNLESS NOTED OTHERWISE. REFER TO MEP DRAWINGS FOR ADDITIONAL REINFORCING REQUIREMENTS FOR PADS.
8. ADDITIONAL REINFORCING BARS SHALL BE PROVIDED AROUND ALL WALL AND FLOOR OPENINGS AS INDICATED IN THE TYPICAL DETAILS. NO CURING IN FLOOR SLABS, WALLS, BEAMS, OR COLUMNS UNLESS PERMITTED BY THE STRUCTURAL ENGINEER.
9. PROVIDE ADDITIONAL REINFORCEMENT AT ALL SLAB-ON-GRADE, FOOTING, GRADE BEAM, FILL ON METAL DECK, AND, HORIZONTAL AND VERTICAL WALL REINFORCEMENT TO ALLOW FOR LAP SPLICES AT DISCONTINUOUS BARS PER TYPICAL CONCRETE DETAILS AND SPLICE SCHEDULE.
10. UNLESS NOTED OTHERWISE, THE MINIMUM CONCRETE COVERAGE FOR REINFORCING BARS SHALL BE ONE BAR DIAMETER AND NOT LESS THAN THE FOLLOWING:

MAT SLABS, FOOTINGS, CAISSONS, AND GRADE BEAMS		3"
CONCRETE CAST AGAINST EARTH	(NOT FORMED)	3"
CONCRETE CAST AGAINST EARTH	(FORMED)	2"
SLABS-ON-GRADE	(BOTTOM BARS)	3"
SLABS-ON-GRADE	(TOP BARS)	1"
COLUMN ENCASEMENTS	(TO TIES)	1 1/2"
COLUMN ENCASEMENTS	(TO MAIN BARS)	2"
SLABS		3/4"
BEAMS	(TO STIRRUP)	1 1/2"
WALLS	(EXTERIOR FACE)	2"
	(INTERIOR FACE)	3/4"
	(BARS IN SINGLE CURTAIN)	CENTERED

11. IN ADDITION TO SHOP DRAWING SUBMITTAL REQUIREMENTS PER PROJECT SPECIFICATIONS, THE CONTRACTOR SHALL SUBMIT FOR REVIEW COORDINATED REBAR PLACEMENT DRAWINGS COORDINATING THE WORK OF CONCRETE REINFORCEMENT AND STEEL ERECTION SUBCONTRACTORS. IN PARTICULAR, PLACEMENT DRAWINGS SHALL SHOW COORDINATED REINFORCEMENT AT REINFORCED CONCRETE AND STRUCTURAL STEEL DETAILS INCLUDING BUT NOT LIMIT TO FLOOR SLAB DIAPHRAGMS, WALLS, GRADE BEAMS, STEEL EMBED PLATES, COLUMN ANCHOR BOLTS EMBEDDED IN CONCRETE, STEEL BRACED FRAME GUSSET PLATES, EXTERIOR WALL EMBEDS AND OTHER RELATED CONSTRUCTION DETAILS.
12. BEAMS AND SLABS SHALL NOT BE SLEEVED, BOXED-OUT, OR HAVE THE REINFORCING INTERRUPTED FOR THE WORK OF OTHER TRADES, EXCEPT AS SHOWN ON THE STRUCTURAL DRAWINGS.
13. EMBEDDED CONDUIT OR PIPE DIMENSION SHALL NOT EXCEED 30% OF SLAB THICKNESS UNLESS SPECIFICALLY DETAILED OTHERWISE. ALL LARGER CONDUIT AND PIPES GREATER THAN 1-1/2 INCH IN OUTSIDE DIAMETER SHALL BE PLACED BELOW THE SLAB OR IN SUBSEQUENT FILL POURS, CONDUITS MAY BE GROUPED IN PAIRS WITH CENTERS 6 INCHES OR GREATER. CONDUIT PLACED WITHIN CONCRETE SLABS AND IN FILL ON METAL DECK PERMITTED ONLY IF CONFORMING TO REQUIREMENTS OF THE IBC.
14. DO NOT BACKFILL AGAINST RETAINING WALLS UNTIL THE SUPPORTING CONCRETE ELEMENTS ARE IN PLACE AND HAVE ACHIEVED FULL DESIGN STRENGTH.
15. NO CONSTRUCTION MATERIAL SHALL BE STORED OR CONSTRUCTION ACTIVITY TAKE PLACE ON COMPOSITE FLOOR BEAMS AND GIRDERS BEFORE THE CONCRETE FILL ON METAL DECK HAS REACHED A MINIMUM STRENGTH OF 0.75 f'c AND A MINIMUM OF 7 DAYS AFTER CASTING SLAB. THE CONSTRUCTION LOADS IMPOSED SHALL NEVER BE GREATER THAN THE SPECIFIED DESIGN LIVE LOADS.
16. PROVIDE SLAB EMBEDS WHERE SHOWN ON ARCHITECTURAL, MECHANICAL, STRUCTURAL AND RELATED CONTRACT DRAWINGS. COORDINATE SLAB REINFORCEMENT AT EMBEDS PER TYPICAL DETAILS AS FOR SLAB HOLES. SLAB BLOCKOUTS AND ALTERNATE BOLTED CONNECTIONS NOT PERMITTED IN LIEU OF CAST-IN-PLACE EMBEDS.
17. CONSTRUCTION JOINTS IN WALLS SHALL BE SPACED NOT FURTHER THAN 90 FEET APART IN ANY DIRECTION. CONSTRUCTION JOINTS IN SLABS SHALL BE SPACED NOT FURTHER THAN 90 FEET APART IN ANY DIRECTION. PROVIDE ADDITIONAL POUR STRIPS BETWEEN ADJACENT SLAB POURS TO ALLOW FOR DRYING SHRINKAGE OF CONCRETE.
18. ALL CONSTRUCTION JOINTS SHALL BE WIRE BRUSHED, CLEANED CONCRETE WITH KEYED AND DOWELED JOINTS. ALIGN ALL HORIZONTAL AND VERTICAL CAST-IN-PLACE CONSTRUCTION JOINTS WITH ARCHITECTURAL DETAILS, PROFILES AND ELEVATIONS.
19. PLACE ALL SLABS-ON-GRADE IN LONG STRIPS (PER ACI RECOMMENDATIONS REPORT NO. 302, 1R-19). PROVIDE MINIMUM CONTROL JOINTS ALONG COLUMN CENTERLINES WITH DIAMOND SHAPED CONFIGURATION AT COLUMN LOCATIONS. SAW-CUTTING CONTROL JOINTS WILL BE PERMITTED IF DONE WITHIN 24 HOURS.
20. ANCHOR BOLTS, STRAP ANCHORS, DOWELS, REINFORCING BARS, AND OTHER INSERTS SHALL BE SET AND SECURELY FASTENED PRIOR TO POURING OF CONCRETE.
21. CAST-IN-PLACE CONCRETE SHALL BE PROVIDED FOR ALL CONCRETE CONSTRUCTION, UNLESS NOTED OTHERWISE.

CONCRETE - MATERIALS

1. ALL CAST-IN-PLACE CONCRETE SHALL HAVE THE FOLLOWING MINIMUM 28-DAY ULTIMATE COMPRESSIVE STRENGTHS USING NORMAL WEIGHT CONCRETE (NWC 145 PCF) AND LIGHT WEIGHT CONCRETE (LWC 115 PCF), UNLESS NOTED OTHERWISE.

TYPICAL, UNLESS NOTED OTHERWISE	4000 PSI (NWC)
MAT FOUNDATIONS AND FOOTINGS	5000 PSI (NWC)
COLUMNS	5000 PSI (NWC)
WALLS	5000 PSI (NWC)
BEAMS, INCLUDING POST-TENSION BEAMS	5000 PSI (NWC)
CONCRETE FILL ON METAL DECK	4000 PSI (LWC)
ARCHITECTURAL FILL SLABS, U.N.O.	4000 PSI (LWC)
MISC. MEP PADS, CURBS, WALLS, U.N.O.	4000 PSI (LWC)
MISC. SITE WALLS, SLABS AND FOOTINGS	4000 PSI (NWC)
LEAN CONCRETE MUD SLABS	1500 PSI (NWC)

2. ALL CONCRETE SHALL CONTAIN AN APPROVED WATER REDUCING, PLASTICIZING ADMIXTURE. AN APPROVED HIGH RANGE, WATER REDUCING ADMIXTURE MAY BE USED. ALL CONCRETE PERMANENTLY EXPOSED TO THE WEATHER SHALL ALSO CONTAIN AN APPROVED AIR-ENTRAINED ADMIXTURE.
3. HIGH-STRENGTH, NON-SHRINK, NON-METALLIC, FLOWABLE GROUT SHALL HAVE A MINIMUM ULTIMATE COMPRESSIVE STRENGTH NOT LESS THAN 7500 PSI AT 7 DAYS AND 10000 PSI AT 28 DAYS.
4. ALL REINFORCING BARS SHALL BE NEW BILLET STEEL CONFORMING TO ASTM A615 - GRADE 60, UNLESS NOTED OTHERWISE. PROVIDE ASTM A706 - GRADE 60 REINFORCING BARS AT ALL CAST-IN-PLACE SHEAR WALLS.
5. WHERE REINFORCING BARS ARE SHOWN WELDED TO ANGLE EMBEDS, STEEL COLUMNS, ETC., REINFORCEMENT BARS SHALL CONFORM TO ASTM A706-GRADE 60, UNLESS NOTED OTHERWISE.
6. ALL WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185. WHERE WELDED WIRE FABRIC IS SPECIFIED, EQUIVALENT AMOUNT OF REINFORCING REBARS WITH MAX. SPACING OF 12 INCHES SHALL BE PERMITTED IN LIEU OF WELDED WIRE FABRIC, U.N.O.
7. CONCRETE THICKNESSES SHOWN ON FRAMING PLANS ARE MINIMUM THICKNESSES. NO ALLOWANCES HAVE BEEN SHOWN FOR ADDITIONAL CONCRETE FILL REQUIRED TO COMPENSATE FOR FRAMING OR SLAB DEFLECTIONS. PROVIDE ADDITIONAL CONCRETE FILL AS REQUIRED TO MAINTAIN SURFACE ELEVATIONS SHOWN AND TOLERANCES SPECIFIED.
8. THE CONTRACTOR SHALL PROVIDE FINISH SLAB SURVEYS FOR ALL CONCRETE SLABS INCLUDING SLAB-ON-GRADE AND SUSPENDED SLABS BY LICENSED SURVEYOR TO SUBSTANTIATE FLOOR LEVELNESS WITH SPECIFIED TOLERANCES FOR REVIEW BY CONSTRUCTION MANAGER.

SHOTCRETE

THE FOLLOWING ADDITIONAL REQUIREMENTS SHALL APPLY TO ALL PNEUMATICALLY PLACED REINFORCED CONCRETE SHOTCRETE CONSTRUCTION. ALL SHOTCRETE AND WATERPROOFING CONSTRUCTION SHALL MEET THE MINIMUM REQUIREMENTS OF THE CBC SECTION 1910. THE FOLLOWING SHALL BE IN ADDITION TO REQUIREMENTS IN SHOTCRETE SPECIFICATION SECTION. THE MORE STRINGENT REQUIREMENT SHALL APPLY.

1. PRECONSTRUCTION MOCK-UP TESTING SHALL BE PERFORMED THAT REPRODUCES THE THICKEST AND MOST CONGESTED AREAS SPECIFIED IN THE STRUCTURAL DESIGN. EQUIPMENT USED IN PRECONSTRUCTION TESTING SHALL BE THE SAME EQUIPMENT AND PERSONNEL TO BE USED IN THE WORK. MOCK-UP AREAS WILL BE IDENTIFIED BY THE ARCHITECT.
2. MINIMUM CLEARANCE BETWEEN REINFORCING BARS SHALL BE PER 2013 CBC SECTION 1910.4.2. MINIMUM CLEARANCES MAY BE REDUCED SUBJECT TO THE BUILDING OFFICIAL APPROVAL WHERE PRECONSTRUCTION TESTS DEMONSTRATE THAT ADEQUATE ENCASEMENT OF THE BARS WILL BE ACHIEVED.
3. SHOTCRETE WALLS SHALL BE PLACED BY A WET-MIX TYPE SHOTCRETE PROCESS IN STRICT ACCORDANCE WITH ACI 506.2. WHICH INCLUDES, BUT IS NOT LIMITED TO, GUNNING ALL WALLS FROM THE BOTTOM UP TO THEIR FULL DESIGN THICKNESS IN A SINGLE APPLICATION, MINIMIZING THE LIFT HEIGHT, DAMPENING ABSORPTIVE SUBSTRATES BEFORE PLACING SHOTCRETE, REMOVING REBOUND AND SAND POCKETS, PROPERLY ENCASING STEEL REINFORCEMENT, AND PROPERLY CURING THE SHOTCRETE INSTALLATION.
4. SHOTCRETE WALLS SHALL BE GUNNED AND PLACED TO THEIR FULL DESIGN THICKNESS IN A SINGLE APPLICATION AND NOT GUNNED IN LAYERS, THEREBY REDUCING THE POSSIBILITY OF COLD JOINTS AND LAMINATIONS. PROVIDE A THIN "FLASH FINISH" FINAL COAT PER ACI 506R SECTION 8.6.2.
5. EXPANDED METAL FORMING (STAYFORM) SHALL NOT BE USED TO FORM SHOTCRETE CONSTRUCTION STOPS. STAYFORM CAN BE AN UNSTABLE SUBSTRATE TO SHOOT SHOTCRETE AGAINST, THUS CREATING VOIDS OR POOR CONSOLIDATION. USE SOLID REMOVABLE WOOD OR METAL FORMS TO PROVIDE STABLE FORM EDGE FOR SHOTCRETE CONSTRUCTION STOPS.
6. SHOTCRETE OPERATIONS SHALL BE SUSPENDED WITH NECESSARY PRECAUTIONS TO PROTECT WORK DURING HIGH WINDS, RAIN, OR NEAR FREEZING TEMPERATURES.
7. SEQUENCE SHOTCRETE WORK SUCH THAT PLACEMENT OF SHOTCRETE IS COMPLETED FIRST IN CORNERS, RECESSES, AND OTHER AREAS WHERE REBOUND OR OVERSPRAY CANNOT ESCAPE OR BE REMOVED EASILY. SUBMIT PROPOSED SEQUENCE FOR REVIEW PRIOR TO COMMENCING WORK.
8. FOR SHOTCRETE MIX DESIGN, COARSE AGGREGATE SHALL NOT EXCEED ¾ INCH.
9. LAP SPLICE REINFORCING BARS SHALL BE BY NON-CONTACT LAP SPLICE METHOD WITH AT LEAST TWO (2) INCHES CLEARANCE BETWEEN BARS. BARS SHALL BE PLACED SUCH THAT A LINE THROUGH THE CENTER OF TWO (2) SPLICED BARS SHALL BE PERPENDICULAR TO THE SURFACE OF SHOTCRETE APPLICATION.
10. ANY AND ALL REBOUND OR ACCUMULATED LOOSE AGGREGATE SHALL BE REMOVED FROM THE SURFACES TO BE COVERED PRIOR TO PLACING THE INITIAL OR ANY SUCCEEDING LAYERS OF SHOTCRETE. REBOUND SHALL NOT BE REUSED AS AGGREGATE.
11. UNFINISHED SHOTCRETE WORK SHALL NOT BE ALLOWED TO STAND FOR MORE THAN THIRTY (30) MINUTES UNLESS ALL EDGES ARE SLOPED TO A THIN EDGE. BEFORE PLACING ADDITIONAL MATERIAL ADJACENT TO PREVIOUSLY APPLIED WORK, SLOPING AND SQUARE EDGES SHALL BE CLEANED AND WETTED.
12. IN-PLACE SHOTCRETE WHICH EXHIBITS SAGS OR SLOUGHS, SEGREGATION, HONEYCOMBING, SAND POCKETS OR OTHER OBVIOUS DEFECTS SHALL BE REMOVED AND REPLACED. SHOTCRETE ABOVE SAGS AND SLOUGHS SHALL BE REMOVED AND REPLACED WHILE STILL PLASTIC.
13. DURING SHOTCRETE CURING, SHOTCRETE SHALL BE MAINTAINED ABOVE 40 DEGREES (F) AND IN MOIST CONDITION. IN INITIAL CURING, SHOTCRETE SHALL BE KEPT CONTINUOUSLY MOIST FOR 24 HOURS AFTER PLACEMENT IS COMPLETE. FINAL CURING SHALL CONTINUE FOR SEVEN (7) DAYS AFTER SHOTCRETING OR UNTIL THE SPECIFIED STRENGTH IS OBTAINED. FINAL CURING SHALL CONSIST OF A FOG SPRAY OR AN APPROVED MOISTURE-RETAINING COVER OR MEMBRANE.
14. NON-CONFORMING WORK SHALL BE REMOVED AND REPLACED AT CONTRACTOR'S EXPENSE. 2
15. AN INDEPENDENT INSPECTION AND TESTING LABORATORY SHALL BE ENGAGED TO CONTINUOUSLY INSPECT THE SHOTCRETE INSTALLATION TO ENSURE THAT THE SHOTCRETE IS BEING APPLIED AS NOTED AND SPECIFIED.

POST-TENSIONED CONCRETE CONSTRUCTION

1. THE POST-TENSIONING SYSTEM SHALL CONSIST OF AN UNBONDED MONOSTRAND TENDON SYSTEM; STRANDS SHALL CONFORM TO ASTM A416 (LOW RELAXATION), LATEST REVISION WITH A GUARANTEED MINIMUM ULTIMATE STRENGTH OF 270,000 PSI. THE POST-TENSIONING SYSTEM IS INTENDED FOR USE IN CORROSIVE ENVIRONMENT. ALL SHEATHING SHALL BE CONNECTED TO ALL STRESSING, INTERMEDIATE AND FIXED ANCHORAGES WITH WATERTIGHT CONNECTION, THUS PROVIDING A COMPLETE ENCAPSULATION OF THE PRESTRESSING STEEL. THE POST-TENSIONING ANCHORS PROTECTIVE GROUT SHALL USE ADDITIVE COMPATIBLE WITH PRESTRESSING STEEL.
2. THE REQUIRED POST-TENSIONED FORCES SHOWN ON THE FRAMING PLANS AND IN THE SCHEDULES ARE EFFECTIVE FORCES AFTER POST-TENSIONING LOSSES. THE POST-TENSIONING CONTRACTOR SHALL SUBMIT STRUCTURAL CALCULATIONS, TENDON MILL CERTIFICATIONS AND ANCHORAGE TEST RESULTS TO VERIFY THE CONTRACTOR'S FINAL TENDON SELECTION. DESIGN CALCULATIONS SHALL BE PREPARED AND SEALED BY A PROFESSIONAL CIVIL OR STRUCTURAL ENGINEER REGISTERED IN THE STATE OF CALIFORNIA.
3. FRICTIONAL LOSSES SHALL BE BASED ON EXPERIMENTALLY DETERMINED WOBBLE AND CURVATURE COEFFICIENTS AND SHALL BE VERIFIED DURING STRESSING OPERATIONS. THE LOSS IN POST-TENSIONING DUE TO ELASTIC SHORTENING, SHRINKAGE, CREEP OF CONCRETE MATERIALS, AND RELAXATION OF STEEL SHALL BE CONSIDERED TO BE AT LEAST A MINIMUM OF 15 KSI.
4. THE STRESSING OF SLAB TENDONS MAY COMMENCE WHEN THE CONCRETE HAS OBTAINED A COMPRESSIVE STRENGTH OF 4,000 PSI, UNLESS NOTED OTHERWISE.
5. TENDONS MAY BE TEMPORARILY STRESSED TO A MAXIMUM OF 0.85 OF THE GUARANTEED ULTIMATE TENSILE STRENGTH AND LOCKED OFF AT A MAXIMUM STRESS OF 0.70 OF THE ULTIMATE TENSILE STRENGTH.
6. UNLESS OTHERWISE SPECIFIED ON THE DRAWINGS, ALL TENDONS ARE TO BE PLACED IN SMOOTH PARABOLIC CURVES BETWEEN POINTS DIMENSIONED. HIGH AND LOW POINTS, INDICATED ON THE DRAWINGS CORRESPOND TO COLUMN/WALL CENTERLINES AND MID SPANS RESPECTIVELY, UNLESS NOTED OTHERWISE. ALL DIMENSIONS LOCATING TENDON PROFILES APPLY TO THE CENTER OF GRAVITY OF THE TENDONS.
7. TENDON PLACEMENT SHALL NOT VARY MORE THAN 1/8" VERTICALLY FROM THE POINTS DIMENSIONED. TENDONS MAY BE MOVED LATERALLY TO CLEAR OPENINGS AS SHOWN.
8. THE POST-TENSIONING CONTRACTOR SHALL SUBMIT TO THE ARCHITECT, FOR REVIEW, DETAILED AND CHECKED SHOP DRAWINGS INDICATING AT LEAST THE LAYOUT OF ALL TENDONS, TENDON SUPPORT HARDWARE, ANCHORAGE LOCATIONS AND DETAILS, STRESSING EQUIPMENT, SEQUENCES, PROCEDURES, AND THEORETICAL TENDON ELONGATIONS.
9. THE POST-TENSIONING CONTRACTOR SHALL SUBMIT TO THE ARCHITECT, FOR REVIEW, CHECKED SHOP DRAWING FOR ALL REINFORCING WORK ASSOCIATED WITH THE POST-TENSIONED ELEMENTS.
10. THE CONTRACTOR SHALL PREPARE STRESSING RECORDS FOR EACH TENDON INDICATING BOTH THEORETICAL AND ACTUAL ELONGATIONS AND SUBMIT SUCH RECORDS TO THE ARCHITECT FOR REVIEW ON A DAILY BASIS.
11. AFTER REVIEW OF THE STRESSING RECORDS BY THE ARCHITECT, CUT THE TENDON TAILS APPROXIMATELY ½" INSIDE THE POCKET. SEAL THE TENDON END, DRY PACK ALL POST-TENSIONING POCKETS WITH NON-SHRINK NON-FERROUS GROUT, UNLESS NOTED OTHERWISE.
12. CORING OF POST-TENSIONED CONCRETE WILL NOT BE PERMITTED WITHOUT THE REVIEW OF THE ARCHITECT AND SCANNING. ALL OPENINGS AND/OR SLEEVES MUST BE SHOWN ON THE SHOP DRAWINGS. ALL INSERTS MUST BE CAST-IN-PLACE. ANY ADDITIONAL OPENINGS NOT SHOWN ON THE APPROVED SHOP DRAWINGS WILL REQUIRE WRITTEN VERIFICATION FROM THE ARCHITECT PRIOR TO PLACEMENT.
13. REFER TO "CONCRETE – GENERAL" AND "CONCRETE – MATERIAL" GENERAL NOTES FOR ADDITIONAL REQUIREMENTS.
14. REFER TO S3.30-S3.34 FOR NOTES RELATING TO MODIFICATION OF EXISTING POST-TENSIONED CONCRETE CONSTRUCTION.

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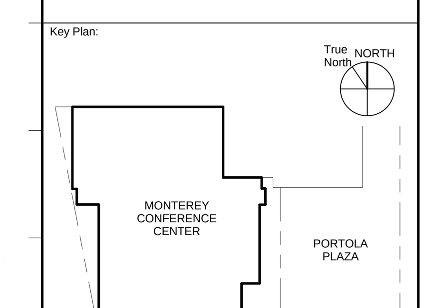

Seal & Signature:

REGISTERED PROFESSIONAL ENGINEER
MARK P. SARKISIAN
No. S 4639
Exp. 6/30/2017
STRUCTURAL
STATE OF CALIFORNIA

Sheet Name:

GENERAL NOTES I

Project No.: 215004	Sheet No.:
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Approved as to Form
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RISK

GENERAL NOTES II

ADHESIVE ANCHORS AND DOWELS

1. ADHESIVE ANCHORS SHALL BE PROVIDED AS SHOWN OR DEMONSTRATED EQUAL SUBSTITUTIONS.
2. PROVIDE STAINLESS STEEL ANCHORS FOR EXTERIOR USE OR WHEN EXPOSED TO WEATHER. PROVIDE GALVANIZED CARBON STEEL ANCHORS AT OTHER LOCATIONS, UNLESS OTHERWISE NOTED.
3. REMOVE GREASE, OIL, RUST AND OTHER LAITANCE FROM RODS AND DOWELS PRIOR TO INSTALLATION.
4. PROVIDE NON-DESTRUCTIVE SCANNING SURVEY TO LOCATE EXISTING REINFORCING BARS PRIOR TO INSTALLATION. ADJUST LOCATIONS WHERE NECESSARY TO AVOID DAMAGE TO EXISTING REINFORCING BARS.
5. LOCATE REINFORCEMENT AND CONFIRM FINAL ANCHOR LOCATIONS PRIOR TO FABRICATING PLATES, MEMBERS, OR OTHER STEEL ASSEMBLIES ATTACHED WITH ADHESIVE ANCHORS.
6. PRIOR TO INSTALLING ANCHORS OR DOWELS, WIRE BRUSH HOLES TO REMOVE RESIDUE, BLOW OUT WITH OIL-FREE COMPRESSED AIR, AND ALLOW HOLE TO DRY.
7. INSTALL ANCHORS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
8. 2 INDEPENDENT TESTING AGENCY TO VERIFY DIAMETER, DEPTH, AND CLEANLINESS OF DRILLED HOLES.
9. 2 INDEPENDENT TESTING AGENCY TO TEST 25% OF THE FIRST 100 ANCHORS (INSTALLED IN DIRECT TENSION TO THE FOLLOWING VALUES:

   ADHESIVE ANCHORS

   PROVIDE TESTING PER MANUFACTURER'S RECOMMENDATIONS

   ADHESIVE DOWELS

#3 BAR	5,000 LBS	3/8" THRD. ROD	3,500 LBS
#4 BAR	9,000 LBS	1/2" THRD. ROD	6,000 LBS
#5 BAR	14,000 LBS	5/8" THRD ROD	9,000 LBS
#6 BAR	20,000 LBS	3/4" THRD. ROD	12,000 LBS
#7 BAR	27,000 LBS	7/8" THRD. ROD	18,000 LBS
#8 BAR	36,000 LBS	1" THRD. ROD	22,000 LBS
#9 BAR	45,000 LBS		

10. IF TESTING OF THE FIRST 100 ANCHORS RESULTS IN A "PASS" RATE OF 95% OR BETTER, SAMPLING MAY BE REDUCED TO 10% OF THE REMAINING WORK.
11. THE FOLLOWING ADHESIVE ANCHORS AS LISTED BELOW AND SHOWN ON THE DRAWINGS SHALL COMPLY WITH THE REQUIREMENTS OF THE REFERENCE REPORTS.

COMPONENTS	ICC-ES REPORT NUMBER
HIT-HY 200 ADHESIVE ANCHOR IN CRACKED AND UNCRACKED CONCRETE	ESR-3187

MECHANICAL ANCHORS

1. EXPANSION ANCHORS SHALL BE USED AND PLACED INTO CONCRETE. INSTALLATIONS SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
2. PROVIDE STAINLESS STEEL FASTENERS FOR EXTERIOR USE OR WHEN EXPOSED TO WEATHER. PROVIDE GALVANIZED CARBON STEEL ANCHORS AT OTHER LOCATIONS, UNLESS OTHERWISE NOTED.
3. PROVIDE NON-DESTRUCTIVE SCANNING SURVEY TO LOCATE EXISTING REINFORCING BARS PRIOR TO INSTALLATION. ADJUST ANCHOR LOCATIONS WHERE NECESSARY TO AVOID DAMAGE TO EXISTING REINFORCING BARS.
4. LOCATE REINFORCEMENT AND CONFIRM FINAL ANCHOR LOCATIONS PRIOR TO FABRICATION PLATES, MEMBERS, OR OTHER STEEL ASSEMBLIES ATTACHED WITH MECHANICAL ANCHORS.
5. MINIMUM EMBEDMENT OF ANCHORS SHALL BE AS SHOWN.
6. INSTALL ANCHORS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
7. 2 INDEPENDENT TESTING AGENCY TO VERIFY DIAMETER, DEPTH, AND CLEANLINESS OF DRILLED HOLES.
8. 2 INDEPENDENT TESTING AGENCY TO TEST 10% OF THE ANCHORS PER THE MANUFACTURER'S RECOMMENDATIONS.
9. THE FOLLOWING MECHANICAL ANCHORS AS LISTED BELOW AND SHOWN ON THE DRAWINGS SHALL COMPLY WITH THE REQUIREMENTS OF THE REFERENCE REPORTS.

COMPONENTS	ICC-ES REPORT NUMBER
HSL-3 METRIC HEAVY DUTY ANCHORS IN CRACKED AND UNCRACKED CONCRETE	ESR-1545
KWIK BOLT TZ EXPANSION ANCHORS IN CRACKED AND UNCRACKED CONCRETE	ESR-1917

STEEL DECKING

1. PROVIDE STEEL DECKING AS SHOWN ON DRAWINGS, SPECIFICATIONS AND AS NOTED BELOW.
2. STEEL DECK IS DESIGNATED ON STRUCTURAL FRAMING PLANS AS FOLLOWS WITH DESIGNATION, MINIMUM GAGE THICKNESS, HEIGHT AND MINIMUM SECTION PROPERTIES, WHERE NOTED ON FRAMING DRAWINGS. FILL ON STEEL DECK IS 4,000 PSI CONCRETE (LWC), UNLESS NOTED OTHERWISE.

TYPE	DESCRIPTION	MIN. +S (in^3/ft)	MIN. -S (in^3/ft)	MIN. I (in^4/ft)
Ⓐ	3" DECK (20 GA MIN.) + 2" LWC FILL	0.510	0.528	0.907
Ⓑ	1 1/2" DECK (16 GA MIN.) NO FILL, DOUBLE SPAN	0.404	0.410	0.381
Ⓒ	1 1/2" DECK (16 GA MIN.) NO FILL, DOUBLE SPAN	0.404	0.410	0.381

3. PROVIDE 6 BY 6 WELDED WIRE REINFORCEMENT OR REBAR EACH WAY IN CONCRETE FILLS OVER STRUCTURAL SLAB OR STEEL DECK AS SHOWN, UNLESS NOTED OTHERWISE. PLACE 1" BELOW TOP OF FILL, UNLESS NOTED OTHERWISE.
4. FOR ADDITIONAL REINFORCEMENT AS REQUIRED, SEE STRUCTURAL FRAMING PLANS AND DETAILS. SEE TYPICAL CONCRETE DETAILS AND NOTES FOR REINFORCEMENT OF ARCHITECTURAL CONCRETE FILLS.
5. STEEL DECK SECTION PROPERTIES SHALL BE COMPUTED IN ACCORDANCE WITH AISI "SPECIFICATION FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS".
6. PROVIDE SPRAYED-ON FIREPROOFING AT ALL STEEL DECK CONDITIONS AS NECESSARY TO ACHIEVE MINIMUM 1 HOUR RATED (UL) ASSEMBLY.
7. ALL STEEL DECKING SHALL BE ALVANIZED.
8. STEEL DECKING SLABS WITH CONCRETE TOPPING SHALL TYPICALLY BE COMPOSITE STEEL DECK SLABS. PROVIDE (1) ¾" DIA. X 4 ½" LONG WELDED HEADED STUD PER FOOT MIN. AT ALL FRAMING MEMBER SUPPORTING COMPOSITE DECK.
9. COMPOSITE STEEL DECK TYPE AND SECTION PROPERTIES SHALL TYPICALLY ASSUME UNSHORED CONDITION. PROVIDE ADDITIONAL SHORING IF REQUIRED. PROVIDE TEMPORARY SHORING AS REQUIRED AT ALL DECK EDGE CONDITIONS. ALL DECK EDGE CANTILEVER CONDITIONS CONSTITUTE FORMED CONSTRUCTION. DECKING OR SHEET STEEL SHALL BE PROVIDED AS REQUIRED FOR TEMPORARY CONDITION.

STRUCTURAL STEEL - GENERAL

1. ALL DETAILING, FABRICATION AND ERECTION SHALL CONFORM TO AISC SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS (AISC360-10), THE AWS D1.1 STRUCTURAL WELDING CODE –STEEL (2010), THE AISC SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS (AISC 340-10), AND THE RCSC SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS (2009) IN ADDITION TO THE MINIMUM REQUIREMENTS OF THE CBC.
2. COLUMNS ARE CENTERED ON GRID LINE INTERSECTIONS, AND, BEAM WEBS ARE VERTICAL, UNLESS NOTED OTHERWISE.
3. TOP OF STEEL ELEVATIONS EQUAL TOP OF SLAB ELEVATIONS SHOWN MINUS SLAB THICKNESS, UNLESS NOTED OTHERWISE. WHERE MEMBERS SHOWN WITH A DISTANCE IN BRACKETS [ ], THE DISTANCE IS THE TOP OF STEEL ELEVATION FROM PROJECT 0'-0".
4. ALL WELDING TO CONFORM TO THE REQUIREMENTS OF AWS D1.1, STRUCTURAL WELDING CODE, LATEST ADDITION AND TO BE PERFORMED BY CERTIFIED WELDERS WITH APPROVED WELD PROCEDURES.
5. ALL WELDS NOT SPECIFIED SHALL BE CONTINUOUS FILLET WELDS, USING NOT LESS THAN THE MINIMUM SIZES BASED ON THICKNESS OF THICKER PART JOINED PER AISC/AWS. AND IN NO CASE LESS THAN 1/4 INCH UNLESS NOTED OTHERWISE.
6. ALL BUTT WELDS SHALL BE COMPLETE JOINT PENETRATION WELDS UNLESS NOTED OTHERWISE.
7. ALL BUILT-UP SHAPES, EMBED ASSEMBLIES, AND OTHER WELDMENTS SHALL BE CONSTRUCTED USING WELDING PROCEDURES TO MINIMIZE RESIDUAL STRESSES. IF THE RESIDUAL STRESSES ARE EXCESSIVE, THE WELDED ITEM SHALL BE STRESS RELIEVED.
8. ANCHOR BOLTS SHALL BE SET ACCURATELY WITH TEMPLATES. PRIOR TO DRILLING INTO ANY EXISTING CONCRETE TO REMAIN, EXISTING REBAR AND PT TENDON SHALL BE LOCATED BY SCANNING. SUBMIT REVISED HOLE LOCATIONS AND BASE PLATE DIMENSIONS FOR ARCHITECT'S REVIEW BEFORE FABRICATION. HOLES SHALL BE DRILLED IN BASE PLATES AND ANCHOR PLATES ONLY AFTER LOCATIONS OF ANCHOR HAVE BEEN DETERMINED AND SIZES OF PLATE FINALIZED TO AVOID DAMAGING EXISTING REBAR AND PT TENDONS.

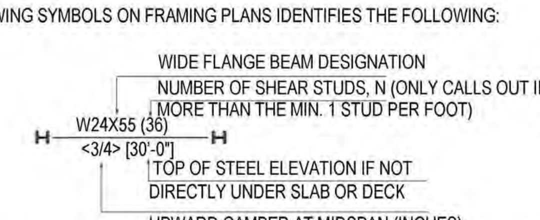
STRUCTURAL STEEL - MATERIALS

1. ALL STRUCTURAL STEEL MATERIALS, GRADES AND TESTING REQUIREMENTS SHALL CONFORM TO THE AISC SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS (AISC 341-10), WITH LATEST SUPPLEMENTS AND AMENDMENTS.
2. ALL STRUCTURAL STEEL DESIGN, DETAILING, FABRICATION AND QUALITY CRITERIA FOR ORDINARY CONCENTRIC BRACE FRAME (OCBF) STEEL CONNECTIONS SHALL BE IN ACCORDANCE WITH THE AISC STANDARDS SEISMIC PROVISIONS (AISC 341-10), U.N.O.
3. PROVIDE COMPOSITE SLAB STEEL DECK CONSTRUCTION WHERE DECKING SHOWN IN PLAN. PROVIDE W12X19 MINIMUM BEAM SIZE AT ALL FRAME MEMBERS SHOWN, UNLESS NOTED OTHERWISE. FRAMING MEMBERS NOT DESIGNATED ON FRAMING PLANS SHALL BE SIZED ON PARTIAL FRAMING PLANS. ASSUME TS6X4X3/8 AT ALL ELEVATOR DIVIDER BEAMS, UNLESS NOTED OTHERWISE.
4. PROVIDE WELDED SHEAR STUDS AT ALL COMPOSITE STEEL FRAME AND NON-FRAME MEMBERS SHOWN. PROVIDE MINIMUM ONE WELDED SHEAR STUD PER FOOT, UNLESS NOTED OTHERWISE AS (# STUDS) FOLLOWING MEMBER DESIGNATION. FOR EXAMPLE, AT W24 X 55 (40), PROVIDE 40 WELDED SHEAR STUDS OVER ENTIRE LENGTH OF MEMBER. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
5. ALL BEAMS SHALL BE FABRICATED WITH THE NATURAL CAMBER UP. PROVIDE CAMBERS AS INDICATED IN THE DRAWINGS AT NON-MOMENT/BRACED FRAME BEAMS AND GIRDERS AS SHOWN, THUS <CAMBER>, EG. W24X55 <3/4">, UNLESS NOTED OTHERWISE.
6. EXCEPT WHERE OTHERWISE SHOWN, STEEL MATERIAL AND GRADES SHALL CONFORM TO THE FOLLOWING MINIMUM REQUIREMENTS:
   - A. 2 ROLLED WIDE FLANGE SECTIONS SHALL BE ASTM A992 U.N.O.
   - B. 2 BUILT-UP SECTIONS SHALL BE ASTM A572 GRADE 50 U.N.O.
   - C. BASE PLATES, CONNECTION PLATES, GUSSET PLATES SHALL BE ASTM A36, U.N.O.
   - D. CONTINUITY PLATES SHALL BE A572 GRADE 50 U.N.O.
   - E. STEEL ROD: ASTM A572 GR. 55, U.N.O.
   - F. ALL MISCELLANEOUS STRUCTURAL ANGLES, TEES AND CHANNELS SHALL BE ASTM A36, UNLESS NOTED OTHERWISE.
   - G. ALL STRUCTURAL RECTANGULAR AND SQUARE HSS SHALL BE ASTM A500 GRADE B (FY = 46 KSI) AND, ALL STRUCTURAL ROUND HSS SHALL BE ASTM A500 GRADE B (FY = 42 KSI), OR ASTM A53, TYPE E OR S, GRADE B.
   - H. ALL ANCHOR BOLTS/RODS SHALL BE ASTM F1554 GRADE 55, UNLESS OTHERWISE NOTED AS ASTM A307.
   - I. ALL WELDED SHEAR STUD CONNECTORS SHALL BE ASTM A108, FU = 60 KSI, HEADED STUDS. ALL STUDS SHALL BE PLACED UNIFORMLY OVER BEAMS AND GIRDERS, UNLESS NOTED OTHERWISE. STUD DIAMETERS AND LENGTHS SHALL BE AS FOLLOWS:

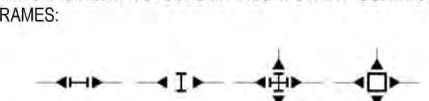
5-1/4" TO 6-1/2" TOTAL SLAB/WALLS THICKNESS:	4-1/2" STUD LENGTH
7-1/2" TO 10-1/2" TOTAL SLAB/WALLS THICKNESS:	6" STUD LENGTH
10-1/2" TO 13-1/2" TOTAL SLAB/WALLS THICKNESS:	7" STUD LENGTH

   - J. WELDED STUD DIAMETERS AND LENGTHS SHALL BE AS FOLLOWS AT ALL MISCELLANEOUS STRUCTURAL AND ARCHITECTURAL EMBEDS AS SHOWN, UNLESS NOTED OTHERWISE:

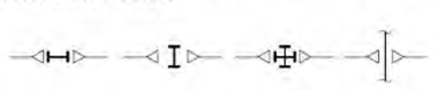
     3/4" STUD DIAMETER, 4-1/2" STUD LENGTH
7. THE FOLLOWING SYMBOLS ON FRAMING PLANS IDENTIFIES THE FOLLOWING:



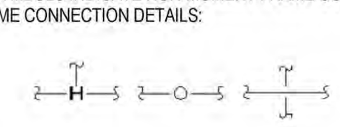
   EXCEPT THE STEPPED AND NOTCHED BEAMS AND LOCATIONS WHERE TOP OF BEAM ELEVATIONS ARE NOTED IN THE PLANS, FOR THE BEAMS PASSING THROUGH AND SUPPORTING ANY DEPRESSED AREA, THE TOP OF THE STEEL SHALL BE DETERMINED BASED ON THE LOWEST T/SLAB ELEVATION ALONG THE BEAM.
9. THE FOLLOWING SYMBOLS ON FRAMING PLANS INDICATE A COMPLETE JOINT PENETRATION WELDED BEAM OR GIRDER TO COLUMN RBS MOMENT CONNECTION IN SEISMIC LOAD RESISTING FRAMES:



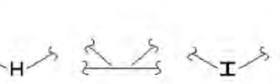
10. THE FOLLOWING SYMBOLS ON FRAMING PLANS INDICATE A MOMENT CONNECTION IN NON-SEISMIC LOAD RESISTING FRAMES:



11. THE FOLLOWING SYMBOLS INDICATE NON-MOMENT FRAME CONNECTIONS AS SHOWN ON TYPICAL NON-FRAME CONNECTION DETAILS:



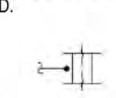
12. THE FOLLOWING SYMBOLS INDICATE THE PRESENCE OF A STRUCTURAL BRACE ABOVE A FRAMING PLAN LEVEL:



13. THE FOLLOWING SYMBOLS INDICATE THE PRESENCE OF STRUCTURAL BRACE BELOW A FRAMING PLAN LEVEL:

14. GIRDER AND BEAM PENETRATIONS ARE DESIGNATED ON FRAMING PLANS AS FOLLOWS. SEE TYPICAL STEEL DETAILS FOR PENETRATION TYPES, DETAILS AND SCHEDULES.

15. THE FOLLOWING SYMBOL ON FRAMING PLANS INDICATES STEEL BEAM TO CONCRETE CONNECTION WITH STEEL EMBED.



8. ALL PRINCIPAL NON-FRAME STRUCTURAL BOLTED CONNECTIONS (BEAM TO BEAM, BEAM TO GIRDER, GIRDER AND BEAM TO COLUMN) SHALL BE MADE WITH ASTM A325-X HIGH STRENGTH BOLTS WITH THREADS EXCLUDED FROM THE SHEAR PLANE. USE ONE-INCH DIAMETER MINIMUM BOLTS UNLESS NOTED OTHERWISE. THE MINIMUM NUMBER OF BOLTS PER CONNECTION SHALL BE TWO. SEE BOLT SCHEDULE ON TYPICAL STEEL FRAMING DETAILS.

STRUCTURAL STEEL - SURFACE TREATMENT

1. ALL STRUCTURAL STEEL AND ARCHITECTURALLY EXPOSED STRUCTURAL STEEL SHALL HAVE SURFACE PREPARATION AND TOUCH-UP WORKMANSHIP PER SPECIFICATIONS BASED ON FINAL REQUIRED SURFACE TREATMENT.
2. PROVIDE SPRAYED-ON FIRE-PROOFING AS REQUIRED TO COMPLY WITH UNDERWRITER'S LABORATORIES INC AND PROJECT SPECIFICATIONS.
4. ALL EXPOSED STRUCTURAL STEEL SHALL RECEIVE INTUMESCENT FIRE RESISTIVE TREATMENT AS NOTED AND SPECIFIED – REFER TO ARCHITECTURAL DRAWINGS FOR FIRE PROOFING REQUIREMENTS. PROVIDE SURFACE PREPARATION PER MANUFACTURER SPECIFICATIONS. SUBMIT TO ARCHITECT FOR REVIEW AND APPROVAL.
5. ALL STRUCTURAL STEEL EXPOSED TO WEATHER INCLUDING FRAMING, ROOF SCREEN WALL FRAMING, STAIR FRAMING, CONNECTIONS, ANCHOR BOLTS, PLATES, TUBES, PIPES, ROLLED SHAPES, EMBEDS, ETC., SHALL BE HOT-DIPPED GALVANIZED, UNLESS SPECIFIED OTHERWISE AS PAINTED.
6. THE FOLLOWING STRUCTURAL STEEL NOT REQUIRED TO BE FIRE-PROOFED AND NOT EXPOSED TO VIEW SHALL RECEIVE SURFACE PREPARATION AND PRIMER PAINT PER SPECIFICATIONS, UNLESS NOTED OTHERWISE:
   - A. LATERAL BRACING STEEL.
   - B. FRAMING MEMBERS FOR EXTERIOR WALL, CANOPIES, ROOF PENTHOUSES, ETC NOT EXPOSED TO WEATHER.
7. ALL ARCHITECTURALLY EXPOSED STRUCTURAL STEEL DESIGNATED ON THE DRAWINGS AS "AESS" SHALL RECEIVE SURFACE PREPARATION AND PRIMER PAINT PER SPECIFICATIONS, UNLESS NOTED OTHERWISE.

EQUIPMENT AND UTILITY ANCHORAGE

1. ALL SECONDARY FRAMING, EMBEDS, CONNECTIONS AND FASTENERS TO SUPPORT UTILITY LINES AND EQUIPMENT INCLUDING HANGING MECHANICAL, PLUMBING AND ELECTRICAL CONDUIT, LINES, PIPING, DUCT WORK, ETC. SHALL BE PROVIDED IN ADDITION TO FRAMING SHOWN BY CONTRACTOR.
2. PROVIDE ADDITIONAL FRAMING, HANGERS, CONNECTIONS, INSERTS AND EMBEDS AS REQUIRED TO SUPPORT EQUIPMENT AND UTILITY LINES DIRECTLY TO PRIMARY FRAMING MEMBERS SHOWN.
3. HANGING LOADS TO UNDERSIDE OF REINFORCED CONCRETE DECK AND COMPOSITE FLOOR AND ROOF DECKING SHALL NOT EXCEED 500 LBS PER HANGER PER 20 SQ FEET OF FRAMED DECK AREA. PROVIDE ADDITIONAL STRUCTURAL STEEL AS REQUIRED.
4. NON-STRUCTURAL COMPONENTS AND THEIR ATTACHMENTS SHALL NOT INDUCE TORSIONAL LOADS ON THE STRUCTURE SHOWN. PROVIDE BRACING AS REQUIRED.
5. UTILITIES SHALL BE DESIGNED TO ACCOMMODATE THE PREDICTED SETTLEMENTS PER GEOTECHNICAL REPORT. WHERE UTILITIES ARE TO BE TRENCHED BELOW THE FOUNDATIONS, THEY SHALL BE MADE OF FLEXIBLE AND DUCTILE STEEL MATERIAL, AND THE TRENCHES SHALL BE BACKFILLED WITH A MINIMUM OF 6 INCHES OF LEAN CONCRETE AROUND ALL OUTSIDE FACES OF THE UTILITIES. WHERE HANGERS ARE ADJACENT TO FOUNDATIONS, ALL TRENCHES WITHIN FIVE FEET OF FOUNDATION SHALL BE BACKFILLED WITH PROPERLY COMPACTED SOIL AND HANGER SPACING DESIGN SHOULD ACCOUNT FOR THE SOIL LOADING.
6. LAYOUT, DESIGN AND COORDINATION OF SEISMIC BRACING AND ANCHORAGE OF MECHANICAL, ELECTRICAL, PLUMBING, TELECOMMUNICATION, UTILITY LINES AND EQUIPMENT SHALL BE PERFORMED BY THE CONTRACTOR PER RELATED PROJECT DRAWINGS AND SPECIFICATIONS.

STRUCTURAL GLUED LAMINATED TIMBER

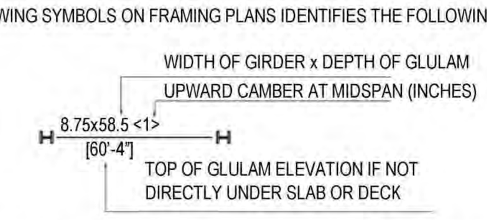
1. TIMBER TYPE

   ALL TIMBER SHALL BE DOUGLAS FIR 24F-V4

   EXTREME FIBER IN BENDING, FB=2400 PSI

   SHEAR PARALLEL TO GRAIN, FV=165 PSI

   MODULUS OF ELASTICITY, E=1,800,000 PSI
2. THE FOLLOWING SYMBOLS ON FRAMING PLANS IDENTIFIES THE FOLLOWING:



3. STEEL PLATES AND SHAPES DIRECTLY CONNECTING TO OR ATTACHED TO THE GLUED LAMINATED TIMBER UNITS SHALL BE HOT-DIPPED GALVANIZED.

SPECIAL INSPECTIONS (CBC SECTION 1704)

1. THE FOLLOWING SPECIAL INSPECTIONS AS REQUIRED BY THE CALIFORNIA BUILDING CODE (CBC 2013) SECTION 1704 SHALL BE PERFORMED AS FOLLOWS IN CONFORMANCE WITH CBC - CHAPTER 17 STRUCTURAL TESTS AND SPECIAL INSPECTIONS. SPECIAL INSPECTIONS SHALL BE BOTH CONTINUOUS AND PERIODIC AS REQUIRED.
   - A. STEEL CONSTRUCTION (CBC SECTION 1705.2)
     - a. MATERIAL VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS AND WASHERS INCLUDING IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS AND CODES IN THE APPROVED CONSTRUCTION DOCUMENTS AND MANUFACTURER'S CERTIFICATE.
     - b. INSPECTION OF HIGH-STRENGTH BOLTING, SUCH AS A325, A490 AND A354, INCLUDING BEARING-TYPE AND SLIP-CRITICAL CONNECTIONS AND VERIFICATION OF INSTALLATION, CALIBRATION AND TIGHTENING PER SPECIFIED STANDARDS.
     - c. MATERIAL VERIFICATION OF STRUCTURAL STEEL INCLUDING IDENTIFICATION MARKINGS AND MANUFACTURER'S CERTIFIED MILL TEST REPORTS WITH SPECIFIED ASTM STANDARDS AND CODES PER APPROVED CONSTRUCTION DOCUMENTS.
     - d. MATERIAL VERIFICATION OF WELD FILLER MATERIALS INCLUDING IDENTIFICATION MARKINGS AND MANUFACTURER'S CERTIFICATION OF COMPLIANCE WITH SPECIFIED AWS SPECIFICATIONS AND CODES PER APPROVED CONSTRUCTION DOCUMENTS.
     - e. WELDING INSPECTION SHALL BE IN COMPLIANCE WITH AWS D1.1 FOR GROOVE AND FILLET WELDS, AWS D1.3 FOR DECK WELDS AND AWS D1.4 FOR REINFORCING WELDS AND AWS D1.8 FOR ALL WELDS IN COMPONENTS OF THE SEISMIC FORCE RESISTING SYSTEM.
     - f. INSPECTION OF WELDING OF STRUCTURAL STEEL INCLUDING COMPLETE AND PARTIAL JOINT PENETRATION GROOVE WELDS, MULTI-PASS AND SINGLE-PASS FILLET WELDS AND METAL DECK WELDING.
     - g. INSPECTION OF WELDING OF REINFORCING STEEL INCLUDING VERIFICATION OF WELDABILITY OF REINFORCING STEEL, AND WELDING OF REINFORCING STEEL IN INTERMEDIATE AND SPECIAL MOMENT RESISTING FRAMES AND BOUNDARY ELEMENTS OF SPECIAL REINFORCED CONCRETE SHEAR WALLS, AND SHEAR REINFORCEMENT.
     - h. PERIODIC INSPECTIONS PERMITTED ONLY AS NOTED IN CONTRACT DOCUMENTS DURING THE WELDING OF REINFORCING STEEL.
     - i. INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE WITH APPROVED CONSTRUCTION DOCUMENTS INCLUDING DETAILS SUCH AS BRACING AND STIFFENING, MEMBER LOCATIONS, AND APPLICATION OF JOINT DETAILS AT EACH CONNECTION.
   - B. CONCRETE CONSTRUCTION (CBC SECTION 1705.3).
     - a. PLACEMENT OF REINFORCING STEEL FOR CONFORMANCE TO THE APPROVED PLANS PRIOR TO THE CLOSING OF FORMS OR THE DELIVERY OF CONCRETE TO THE JOBSITE.
     - b. INSTALLED BOLTS IN CONCRETE PRIOR TO AND DURING CONCRETE PLACEMENT INCLUDING AROUND COLUMN ANCHOR BOLTS.
     - c. VERIFICATION OF CONCRETE-MIX DESIGNS.
     - d. SAMPLING OF FRESH CONCRETE TO FABRICATE STRENGTH TEST SPECIMENS, PERFORMING SLUMP AND AIR CONTENT TEST, AND DETERMINING THE CONCRETE TEMPERATURE.
     - e. INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.
     - f. MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.
     - g. FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.
     - h. SEE SPECIAL INSPECTION REQUIREMENTS OF STEEL CONSTRUCTION FOR THE REINFORCING STEEL WELDING.
   - C. SOILS (CBC SECTION 1705.6).
     - a. SPECIAL INSPECTION SHALL BE PERFORMED FOR EXISTING SITE SOIL CONDITIONS, FILL PLACEMENT AND LOAD-BEARING REQUIREMENTS.
     - b. VERIFICATION OF MATERIALS BELOW FOOTINGS TO ACHIEVE THE DESIGN BEARING CAPACITY.
     - c. VERIFICATION OF EXCAVATIONS TO PROPER DEPTH AND MATERIAL.
     - d. CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIALS.
     - e. VERIFICATION OF PROPER MATERIALS, DENSITIES, MOISTURE CONDITIONS, AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF CONTROLLED FILL.
     - f. PRIOR TO PLACEMENT OF CONTROLLED FILL, VERIFICATION OF PROPER PREPARATION OF SUBGRADE AND SITE.
   - D. CAST-IN-PLACE DEEP FOUNDATION ELEMENTS (CBC SECTION 1705.8).
     - a. OBSERVE DRILLING OPERATIONS AND MAINTAIN COMPLETE AND ACCURATE RECORD OF EACH ELEMENT.
     - b. VERIFY PLACEMENT LOCATION AND PLUMPNESS, CONFIRM TYPE AND SIZE OF HAMMER, RECORD NUMBER OF BLOWS PER FOOT OF PENETRATIONS, DETER REQUIRED PENETRATIONS TO ACHIEVE DESIGN CAPACITY, RECORD TIP AND BUTT ELEVATIONS AND DOCUMENT ANY DAMAGE TO FOUNDATION ELEMENT.
     - c. FOR CONCRETE ELEMENTS AND CONCRETE-FILLED ELEMENTS, PERFORM ADDITIONAL INSPECTIONS IN ACCORDANCE WITH SECTION 1705.3.
   - E. SPRAYED FIRE-RESISTANT MATERIALS (CBC SECTION 1704.13).
     - a. SPECIAL INSPECTIONS FOR SPRAYED FIRE-RESISTANT MATERIALS APPLIED STRUCTURAL ELEMENTS AND DECKS SHALL BE BASED ON THE APPROVED CONSTRUCTION DOCUMENTS.
   - F. DEMOLITION
     - a. PERFORM SPECIAL INSPECTION, INCLUDING SUPERVISION OF DEMOLITION AND REPORTING, COMPLYING WITH SPECIFICATIONS.
2. THE ABOVE SPECIAL INSPECTIONS WITH DETAILED REQUIREMENTS IN SPECIFICATION SECTIONS CONSTITUTE THE SPECIAL INSPECTION PROGRAM.
3. THE SPECIAL INSPECTION PROGRAM WITH THE EXCEPTION OF THE DEMOLITION SPECIAL INSPECTION SHALL BE UNDERTAKEN BY THE 2 INDEPENDENT TESTING AND INSPECTION AGENCY SUBJECT TO APPROVAL BY THE ENFORCEMENT AGENCY HAVING GOVERNING JURISDICTION. CONTRACTOR IS RESPONSIBLE FOR DEMOLITION SPECIAL INSPECTION.
4. MINIMUM STANDARD FOR THE 2 INDEPENDENT TESTING AND INSPECTION AGENCY QUALIFICATION SHALL BE PER ASTM E329 REQUIRING THE SPECIAL INSPECTORS BE UNDER THE SUPERVISION OF A REGISTERED ENGINEER WHO IS A FULL-TIME EMPLOYEE OF THAT AGENCY WITH AT LEAST FIVE YEARS ENGINEERING EXPERIENCE IN TESTING AND INSPECTION OF CONSTRUCTION MATERIAL.
5. IT IS THE RESPONSIBILITY OF THE 2 INDEPENDENT TESTING AND INSPECTION AGENCY TO ENSURE THAT IT PERFORMS ONLY TESTS AND INSPECTIONS, OR BOTH, FOR WHICH IT IS ADEQUATELY EQUIPPED AND STAFFED, AND THAT ITS EMPLOYEES PERFORM ONLY TESTS AND INSPECTIONS, OR BOTH, FOR WHICH THEY ARE ADEQUATELY TRAINED.
6. THE CONTRACTOR SHALL SCHEDULE AND COORDINATE ALL SPECIAL INSPECTIONS. NOTIFY THE SPECIAL INSPECTOR AT LEAST 48 HOURS PRIOR TO PERFORMING ANY WORK REQUIRING THE INSPECTOR'S PRESENCE. THE CONTRACTOR SHALL PROVIDE ACCESS TO THE WORK, CAUSE THE WORK TO REMAIN EXPOSED FOR INSPECTION, AND PAY ALL COSTS ASSOCIATED WITH UNCOVERING ANY WORK THAT HAS BEEN COVERED WITHOUT INSPECTION.
7. SPECIAL INSPECTORS SHALL KEEP RECORDS OF INSPECTIONS. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE OWNER, BUILDING OFFICIALS, AND REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. SPECIAL INSPECTION PROGRESS REPORTS SHALL CONTAIN, AS A MINIMUM, THE FOLLOWING INFORMATION:
   - A. PROJECT ADDRESS
   - B. BUILDING PERMIT NUMBER
   - C. DATE OF INSPECTION
   - D. NAME OF INSPECTOR AND HOURS WORKED
   - E. DESCRIPTION OF TYPE AND EXTENT OF INSPECTIONS MADE INCLUDING LOCATION REFERENCING APPROVED CONTRACT DOCUMENTS
   - F. LIST OF TYPE AND EXTENT OF TESTS PERFORMED, IF ANY (AND BY WHOM IF NOT THE SPECIAL INSPECTOR)
   - G. STATEMENT THAT WORK INSPECTED WAS IN ACCORDANCE WITH APPROVED PLANS AND SPECIFICATIONS
   - H. FOR EACH TYPE OF SPECIAL INSPECTION, IDENTIFY AS TO WHETHER IT WILL BE CONTINUOUS SPECIAL INSPECTION OR PERIODIC SPECIAL INSPECTION
   - I. LIST OF ITEMS REQUIRING CORRECTION AND IDENTIFICATION OF INDIVIDUALS ADVISED OF CORRECTIVE ACTION
   - J. CORRECTION OF PREVIOUSLY LISTED ITEMS
   - K. PREVIOUSLY LISTED UNCORRECTED ITEMS
   - L. LIST OF CHANGES TO APPROVED PLANS AUTHORIZED BY PROJECT ADDENDA
8. SPECIAL INSPECTION REPORTS SHALL BE SUBMITTED TO THE OWNER WITHIN 2 WEEKS FROM THE DATE OF INSPECTION. THIS TIME LIMIT DOES NOT APPLY TO THE REQUIREMENT FOR IMMEDIATE NOTIFICATION OF THE CONTRACTOR OF ANY NON-COMPLYING WORK, OR NOTIFICATION TO THE OWNER IF NON-COMPLYING WORK IS NOT CORRECTED.
9. SEE RELATED PROJECT SPECIFICATION SECTIONS FOR QUALITY CONTROL TESTING AND INSPECTION BY THE CONTRACTOR AND ANY ADDITIONAL DETAILED AND SUPPLEMENTARY REQUIREMENTS FOR QUALITY ASSURANCE TESTS AND INSPECTIONS PROVIDED BY THE 2 INDEPENDENT TESTING AND INSPECTION AGENCY.

SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE (CBC SECTION 1705.11)

1. SPECIAL INSPECTION FOR SEISMIC RESISTANCE IS REQUIRED FOR THE SEISMIC FORCE RESISTING SYSTEMS AS SHOWN ON THE CONTRACT DOCUMENTS.
2. FOR SPECIFIC COMPONENT DESIGN CRITERIA AND CONTRACTOR SUBMITTAL REQUIREMENTS, SEE RELATED PROJECT SPECIFICATIONS.
   - A. STRUCTURAL STEEL (CBC SECTION 1705.11.1): SPECIAL INSPECTION FOR STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH THE QUALITY ASSURANCE REQUIREMENTS OF AISC 341.
   - B. ARCHITECTURAL COMPONENTS (CBC SECTION 1705.11.4): PERIODIC SPECIAL INSPECTION IS REQUIRED DURING THE ERECTION AND FASTENING OF EXTERIOR CLADDING, INTERIOR AND EXTERIOR NONBEARING WALLS AND INTERIOR AND EXTERIOR VENEER IN STRUCTURE. SPECIAL INSPECTIONS SHALL NOT BE REQUIRED FOR ARCHITECTURAL COMPONENTS 30 FEET OR LESS IN HEIGHT ABOVE GRADE OR WALKING SURFACE, CLADDING OR VENEER WEIGHING 5 PSF OR LESS, AND INTERIOR NONBEARING WALLS WEIGHING 15 PSF OR LESS.
   - C. MECHANICAL AND ELECTRICAL COMPONENTS (CBC SECTION 1705.11.6): PERIODICAL SPECIAL INSPECTION FOR MECHANICAL AND ELECTRICAL EQUIPMENT SHALL BE AS FOLLOWS:
     - a. DURING THE ANCHORAGE OF ELECTRICAL EQUIPMENT FOR EMERGENCY OR STANDBY POWER SYSTEMS.
     - b. DURING THE INSTALLATION OF ANCHORAGE OF OTHER ELECTRICAL EQUIPMENT.
     - c. DURING INSTALLATION AND ANCHORAGE OF PIPING SYSTEMS DESIGNED TO CARRY HAZARDOUS MATERIAL AND THEIR ASSOCIATED MECHANICAL UNITS.
     - d. DURING THE INSTALLATION AND ANCHORAGE OF DUCTWORK DESIGNED TO CARRY HAZARDOUS MATERIAL.
     - e. DURING THE INSTALLATION OF VIBRATION ISOLATION SYSTEMS WHERE THE CONSTRUCTION DOCUMENTS REQUIRE A NOMINAL CLEARANCE OF 0.25 INCHES OR LESS BETWEEN THE EQUIPMENT AND SUPPORT FRAME AND RESTRAINT.
   - D. DESIGNATED SEISMIC SYSTEM VERIFICATIONS (CBC SECTION 1705.11.4): THE SPECIAL INSPECTOR SHALL EXAMINE ALL DESIGNATED SEISMIC SYSTEMS REQUIRING SEISMIC QUALIFICATION IN ACCORDANCE WITH CBC SECTION 1705.12.3 AND VERIFY THAT THE LABEL, ANCHORAGE OR MOUNTING CONFORMS TO THE CERTIFICATION OF COMPLIANCE.

TESTING AND QUALIFICATION FOR SEISMIC RESISTANCE (CBC SECTION 1705.12)

1. THE CONTRACTOR SHALL PROVIDE THE FOLLOWING MINIMUM TESTING AND QUALIFICATION OF STRUCTURAL COMPONENTS AND ASSEMBLIES AS REQUIRED PER CBC SECTION 1705.12. SEE RELATED PROJECT SPECIFICATIONS FOR ADDITIONAL CONTRACTOR COMPONENT QUALITY CONTROL TESTING, VERIFICATION AND SUBMITTAL REQUIREMENTS.
   - A. CONCRETE REINFORCEMENT:
     - a. CERTIFIED MILL TEST REPORTS SHALL BE PROVIDED FOR EACH SHIPMENT OF REINFORCING STEEL USED TO RESIST FLEXURAL, SHEAR AND AXIAL FORCES IN REINFORCED CONCRETE INTERMEDIATE AND SPECIAL MOMENT FRAMES AND BOUNDARY ELEMENTS OF SPECIAL REINFORCED CONCRETE AND REINFORCED MASONRY SHEAR WALLS.
     - b. WHERE ASTM A615 REINFORCING STEEL IS USED TO RESIST EARTHQUAKE-INDUCED FLEXURAL AND AXIAL FORCES IN SPECIAL MOMENT FRAMES, SPECIAL STRUCTURAL WALLS AND COUPLING BEAMS, THE REINFORCEMENT SHALL COMPLY WITH SECTION 21.1.5.2 OF ACI 318.
     - c. WHERE ASTM A615 REINFORCING STEEL IS TO BE WELDED, CHEMICAL TESTS SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 3.5.2O OF ACI 318.
   - B. STRUCTURAL STEEL:
     - a. THE TESTING CONTAINED IN THE CONTRACTOR'S QUALITY ASSURANCE PLAN SHALL BE AS REQUIRED BY AISC 341 AND ADDITIONAL REQUIREMENTS IN PROJECT DRAWINGS AND SPECIFICATIONS. THE ACCEPTANCE CRITERIA FOR NONDESTRUCTIVE TESTING SHALL BE AS REQUIRED IN AWS D1.1.
     - b. BASE METAL THICKER THAN 1.5INCHES, WHERE SUBJECT TO TROUGH-THICKNESS WELD SHRINKAGE STRAIN, SHALL BE ULTRASONICALLY TESTED FOR DISCONTINUITIES BEHIND AND ADJACENT TO SUCH WELDS AFTER JOINT COMPLETION.
     - c. ACCEPTANCE CRITERIA SHALL BE ON THE BASIS OF ASTM A435 OR ASTM A898 (LEVEL 1 CRITERIA) AND/OR THE CRITERIA ESTABLISHED BY THE DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE AND CONSTRUCTION DOCUMENT.
   - C. SEISMIC CERTIFICATION OF NONSTRUCTURAL COMPONENTS: THE REGISTERED DESIGN PROFESSIONAL SHALL SPECIFY ON THE CONSTRUCTION DOCUMENTS THE REQUIREMENTS FOR CERTIFICATION BY ANALYSIS, TESTING OR EXPERIENCE DATA FOR NONSTRUCTURAL COMPONENTS AND DESIGNATED SEISMIC SYSTEM IN ACCORDANCE WITH SECTION 13.2 OF ASCE 7, WHERE SUCH CERTIFICATION IS REQUIRED BY SECTION 1705.12.

STRUCTURAL OBSERVATION PROGRAM (CBC SECTION 1704.5)

1. AS REQUIRED BY THE CALIFORNIA BUILDING CODE (CBC) SECTION 1704.5, STRUCTURAL OBSERVATION SHALL BE PROVIDED. STRUCTURAL OBSERVATION IS DEFINED AS THE PERIODIC VISUAL OBSERVATION OF THE STRUCTURAL SYSTEM FOR GENERAL CONFORMANCE TO THE APPROVED PLANS AND SPECIFICATIONS AT SIGNIFICANT CONSTRUCTION STAGES AND AT COMPLETION OF THE STRUCTURAL SYSTEM. THESE STAGES SHALL INCLUDE, AS A MINIMUM:
   - A. FOUNDATIONS INCLUDING PLACEMENT OF REINFORCING AND ANCHOR BOLT PLACEMENT PRIOR TO CONCRETE POUR.
   - B. CONCRETE CONSTRUCTION INCLUDING PRIOR TO CLOSE-UP OF THE FIRST LEVEL COLUMN AND WALL FORMS.
   - C. UNLOADING, RETROFIT, AND RE-LOADING OF EXISTING POST-TENSION MEMBERS.
   - D. STEEL FRAMING INCLUDING SHOP FABRICATION, FIELD ERECTION AND WELDING, AND, DECK AND STUD PLACEMENT.
   - F. MASONRY CONSTRUCTION PRIOR TO GROUTING OF THE FIRST LIFT.
   - G. LONG-SPAN GLULAM GIRDER CONSTRUCTION.
2. STRUCTURAL OBSERVATION DOES NOT INCLUDE OR WAIVE THE RESPONSIBILITY FOR THE INSPECTIONS REQUIRED BY CBC SECTION 1704, 1754, OR SECTIONS OF THE BUILDING CODE.
3. THE OWNER SHALL EMPLOY A REGISTERED DESIGN PROFESSIONAL QUALIFIED TO PERFORM STRUCTURAL OBSERVATIONS AS DEFINED IN CBC SECTION 1702.
4. OBSERVED DEFICIENCIES SHALL BE REPORTED IN WRITING TO THE OWNER, SPECIAL INSPECTOR, CONTRACTOR AND THE BUILDING OFFICIAL. AT THE CONCLUSION OF THE WORK, THE STRUCTURAL OBSERVER SHALL SUBMIT TO THE BUILDING OFFICIAL A WRITTEN STATEMENT THAT THE SITE VISITS HAVE BEEN MADE AND IDENTIFY ANY REPORTED DEFICIENCIES THAT, TO THE BEST OF THE STRUCTURAL OBSERVER'S KNOWLEDGE, HAVE NOT BEEN RESOLVED.

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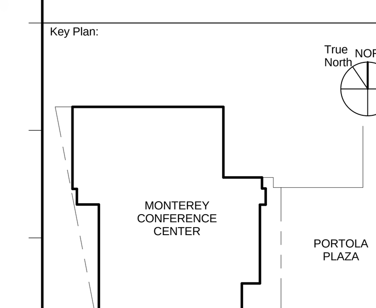
Consultants:

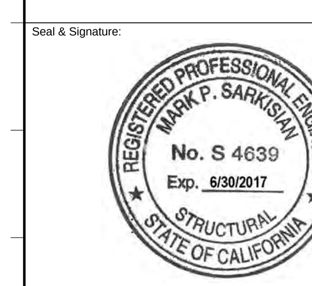
Issued For:

No.:	Description:	Date:
	60% PROJECT COMPLETION	15 MAY 2015
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015
2	ADDENDUM 2	18 SEP 2015

Key Plan:



Seal & Signature:



Sheet Name:
GENERAL NOTES II

Project No.: 215004	Sheet No.: S0.12
Drawn By: TEAM	
Checked By: LEAD	
Scale:	

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Approved as to Form
Date
Item
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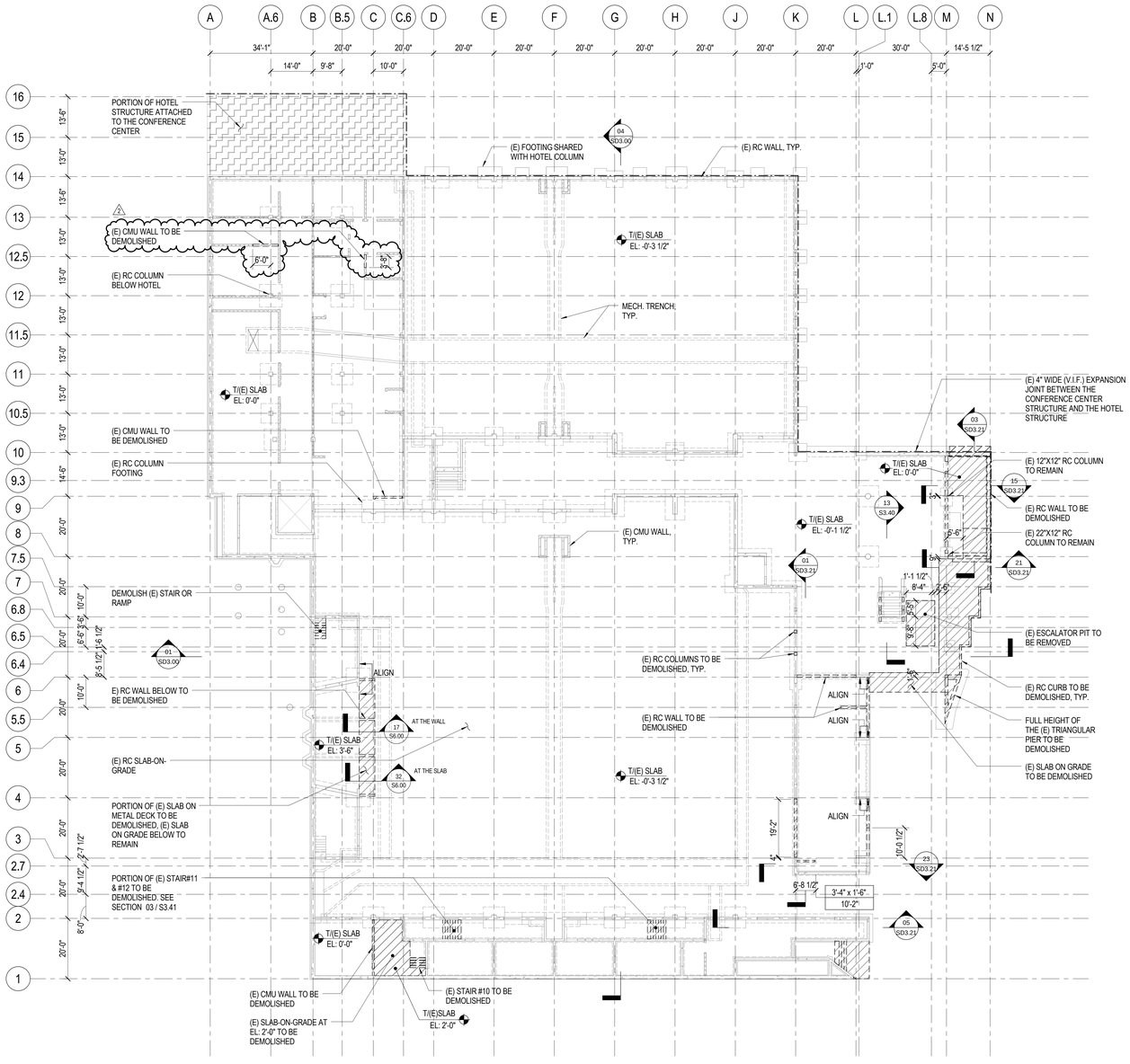

DEMOLITION PLAN - LEVEL 01
1/16" = 1'-0" 01

NOTES:

1. ELEVATIONS, DIMENSIONS, SIZES AND LOCATIONS OF (E) ELEMENTS TO BE VERIFIED IN FIELD.
2. SEE S0.11 FOR DESCRIPTION OF PROPOSED ALTERATION WORK.
3. NOMINAL DEMOLITION EXTENTS ARE SHOWN. OVER-DEMOLITION TO LAP AND TRANSITION REINFORCEMENT WILL BE REQUIRED PER NOTES AND DETAILS.
4. UNLESS INDICATED WITH SPECIFIC DIMENSION, ALIGN FACE OF DEMOLITION WITH FACE OF (E) WALL, (E) COLUMN, OR GRIDLINE.
5. UNLESS NOTED OR DETAILED OTHERWISE, EXTENT OF THE WALL DEMOLITION IS WITHIN THIS FLOOR.
6. REFER TO S3.21 FOR SHEAR WALL ALTERATION ELEVATION AND DETAILS.
7. REFER TO S3.30-S3.34 FOR BEAM ALTERATION ELEVATION AND DETAILS.
8. REFER TO SPECIFICATION 03 73 00 FOR FIBER REINFORCED POLYMER COMPOSITE SYSTEM.
9. REFER TO S6.00 FOR INTERFACE BETWEEN (E) AND (N) STRUCTURE, AND FOR OVER DEMOLITION TO LAP AND TRANSITION REINFORCEMENT.
10. REFER TO S4.01 FOR FOUNDATION RETROFIT DETAILS.
11. WHERE NEW FOUNDATION STRUCTURE IS REQUIRED, ADJACENT PORTIONS OF THE SURROUNDING SLAB WILL ALSO REQUIRE DEMOLITION AND REPLACEMENT AS NOTED AND DETAILED.
12. REFER TO ARCHITECTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWING FOR OTHER SLAB-ON-GRADE AREAS REQUIRE LOCAL DEMOLITION OR OPENING FOR THE INSTALLATION OF EQUIPMENTS AND PIPES. REPAIR AND PATCH SLAB SURROUNDING THE DEMOLITION OR OPENING AS SHOWN ON 01/S4.01.

NOTATIONS:

(E)CXXX - (E) COLUMN TO RE REINFORCED
(E)BPXXX - (E) BASE PL TO BE REINFORCED
(REFER TO STRENGTHENING DETAILS & SCHEDULE ON S6.01)

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Architect / Engineer:

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Consultants:

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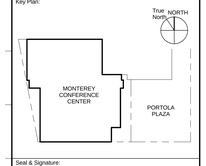
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015
2	ADDENDUM 2	18 SEP 2015

Key Plan:



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REGISTERED PROFESSIONAL ENGINEER
MARK P. SARKISIAN
No. S 4639
Exp. 6/30/2017
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STATE OF CALIFORNIA

Sheet Name:

DEMOLITION PLAN - LEVEL 01

Project No.:	Sheet No.:
215004	SD2.01
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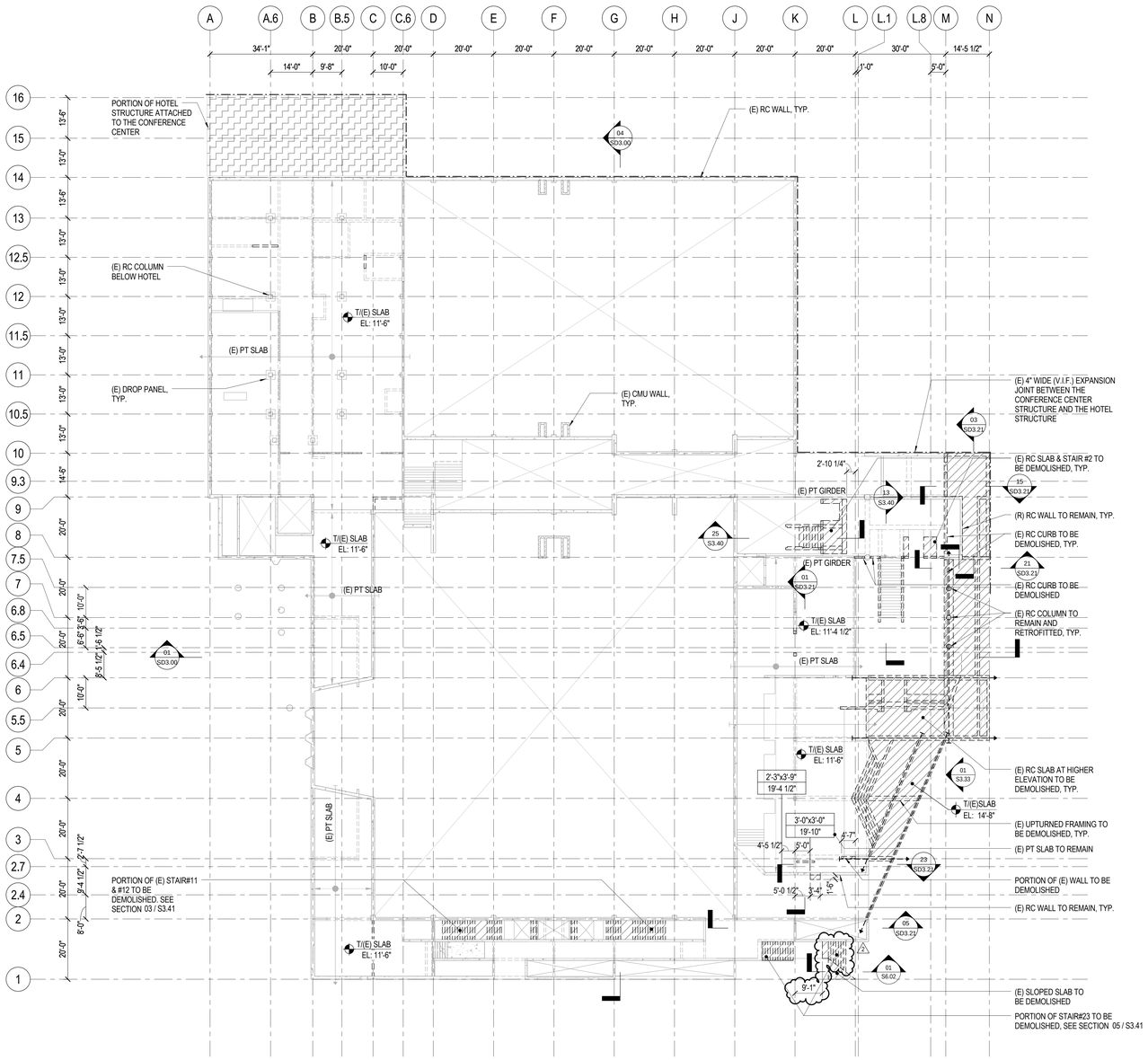

DEMOLITION PLAN - MEZZANINE LEVEL
1/16" = 1'-0" 01

NOTES:

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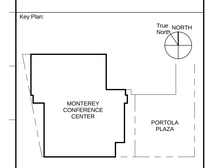

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DEMOLITION PLAN - MEZZANINE LEVEL

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215004	SD2.02
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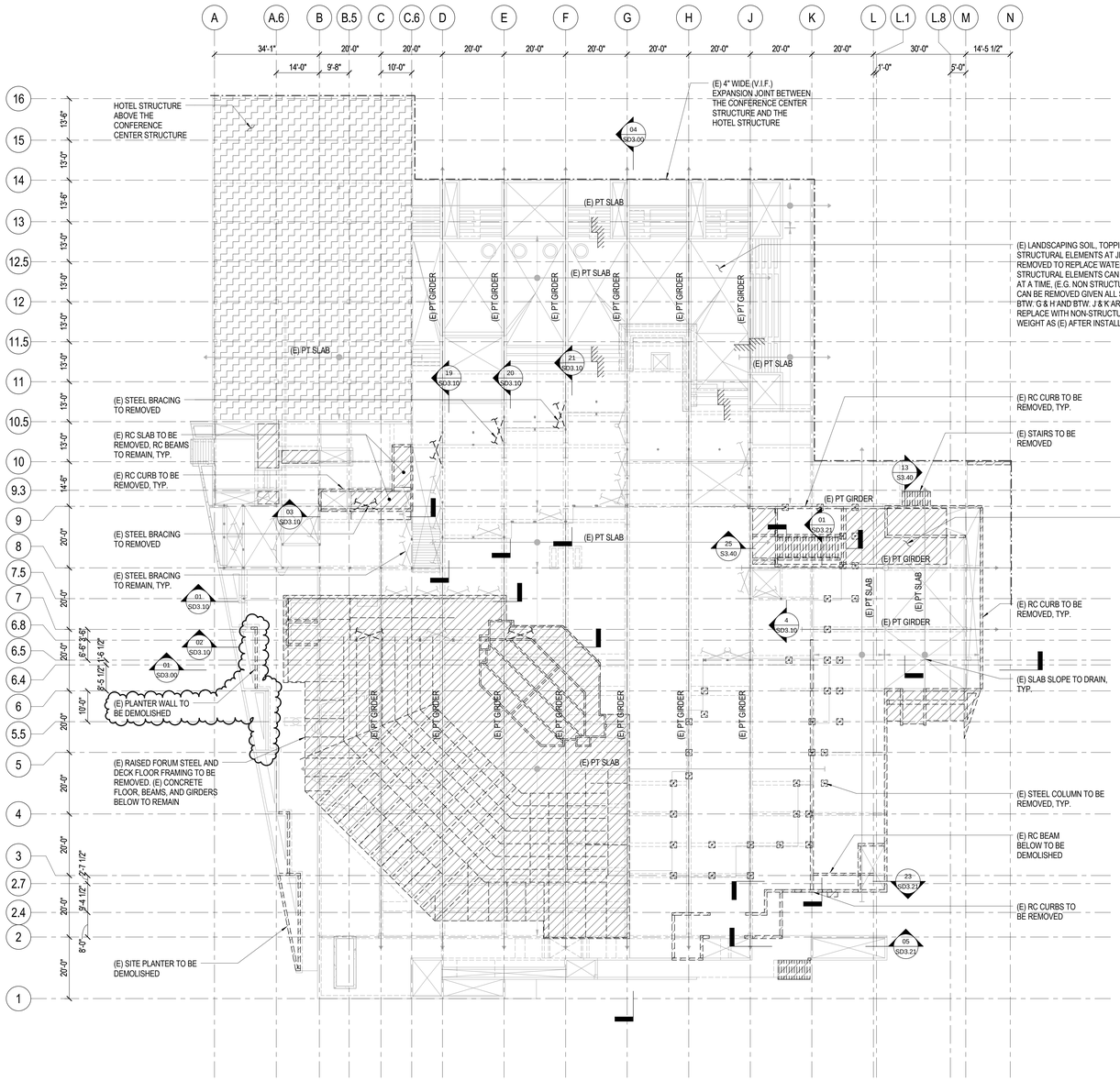

DEMOLITION PLAN - LEVEL 02
1/16" = 1'-0" 01

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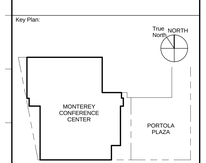

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No. S 4639
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STATE OF CALIFORNIA

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DEMOLITION PLAN - LEVEL 02

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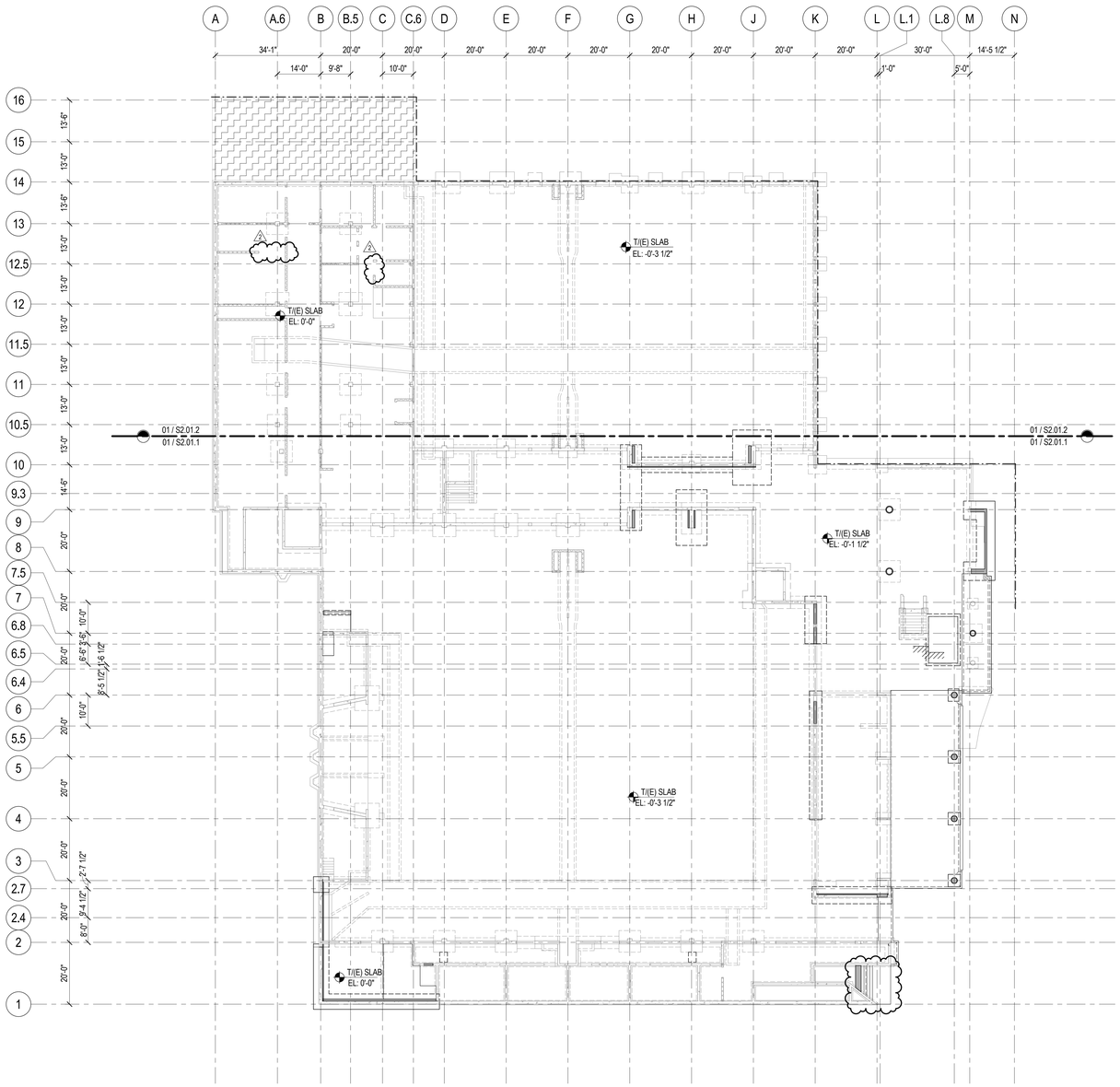

ALTERATION PLAN - LEVEL 01
1/16" = 1'-0" 01

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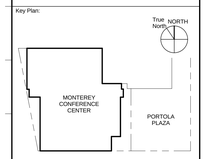

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ALTERATION
PLAN - LEVEL 01

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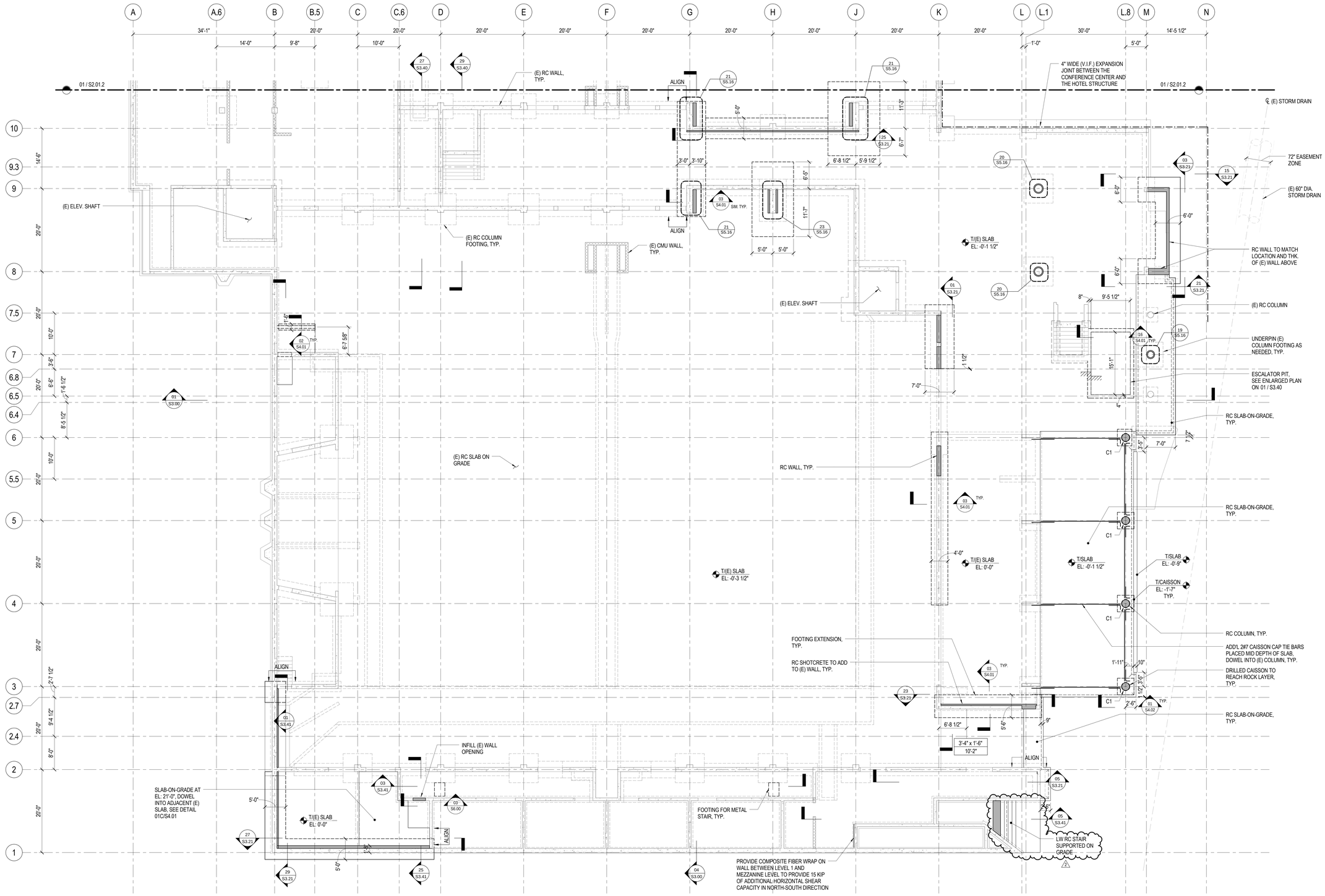

ENLARGED ALTERATION PLAN - LEVEL 01 - SOUTH
1/8" = 1'-0" 01

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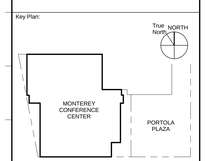

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No. S 4639
Exp. 6/30/2017
STRUCTURAL
STATE OF CALIFORNIA

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ENLARGED ALTERATION PLAN - LEVEL 01 - SOUTH

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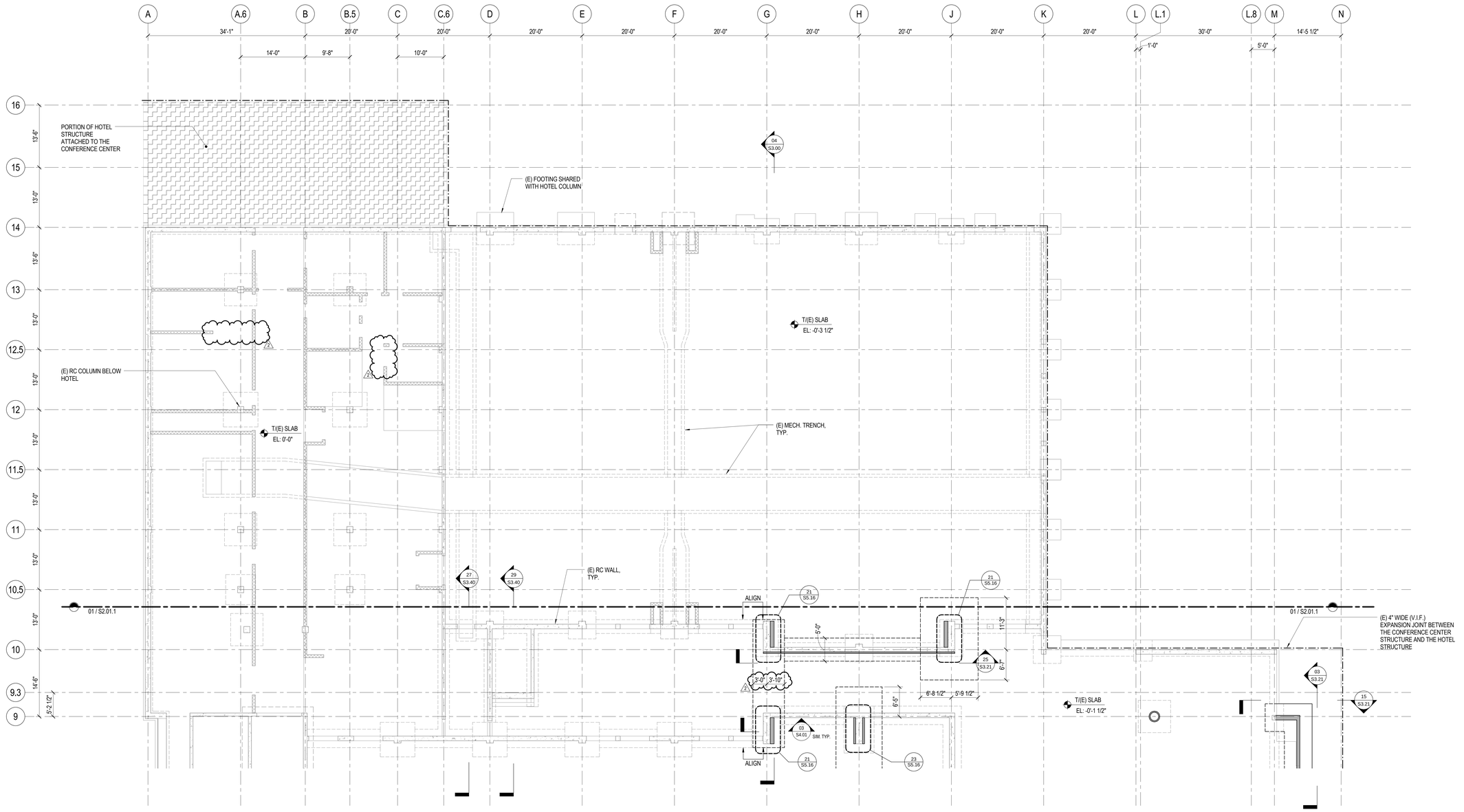

ENLARGED ALTERATION PLAN - LEVEL 01 - NORTH
1/8" = 1'-0" 01

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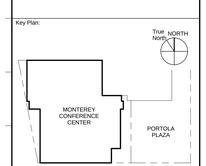

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Exp. 6/30/2017
STRUCTURAL
STATE OF CALIFORNIA

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ENLARGED ALTERATION PLAN - LEVEL 01 - NORTH

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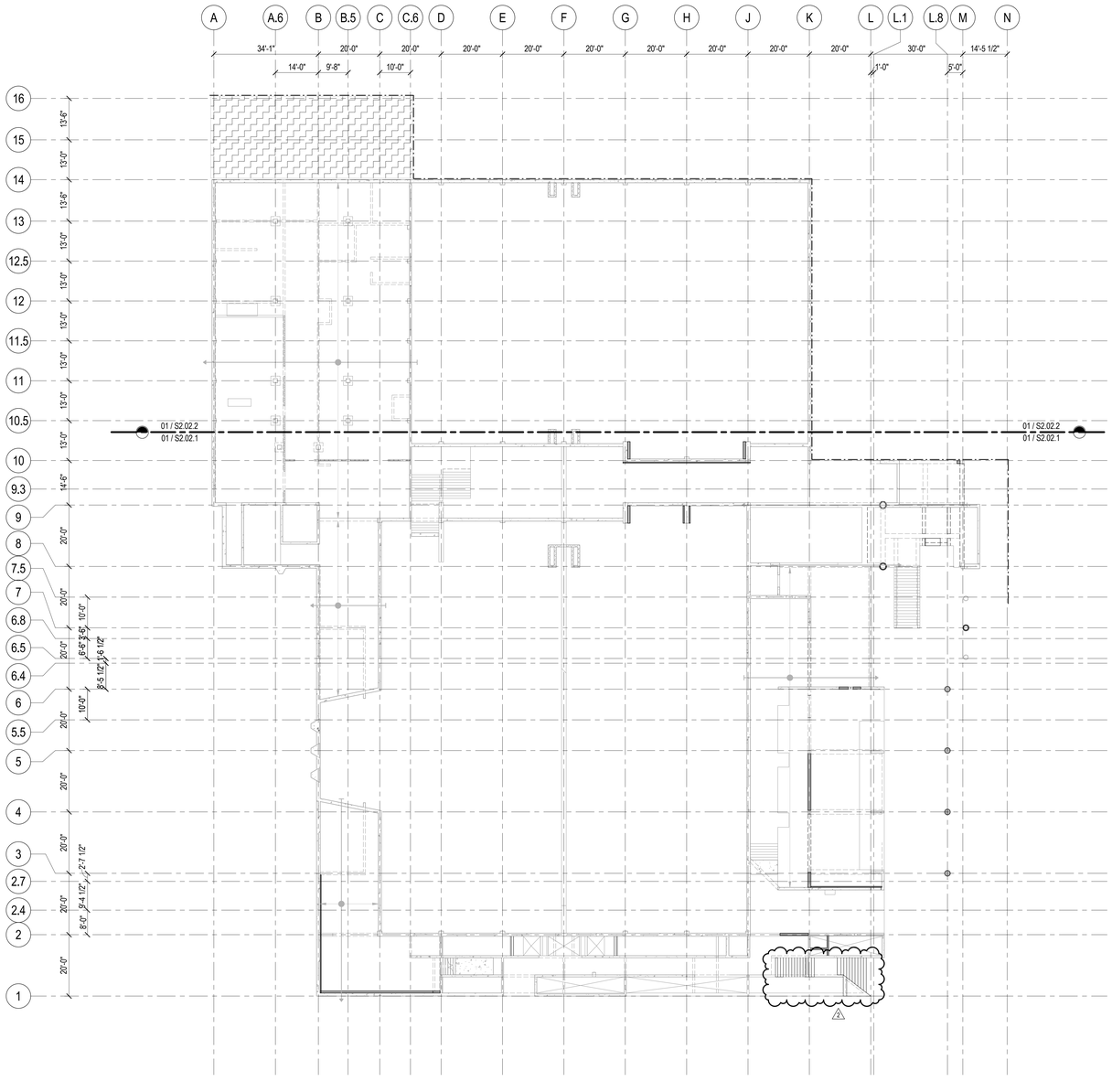

ALTERATION PLAN - MEZZANINE LEVEL
1/16" = 1'-0" 01

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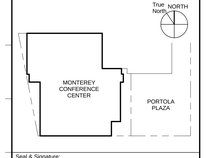

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ALTERATION PLAN - MEZZANINE LEVEL

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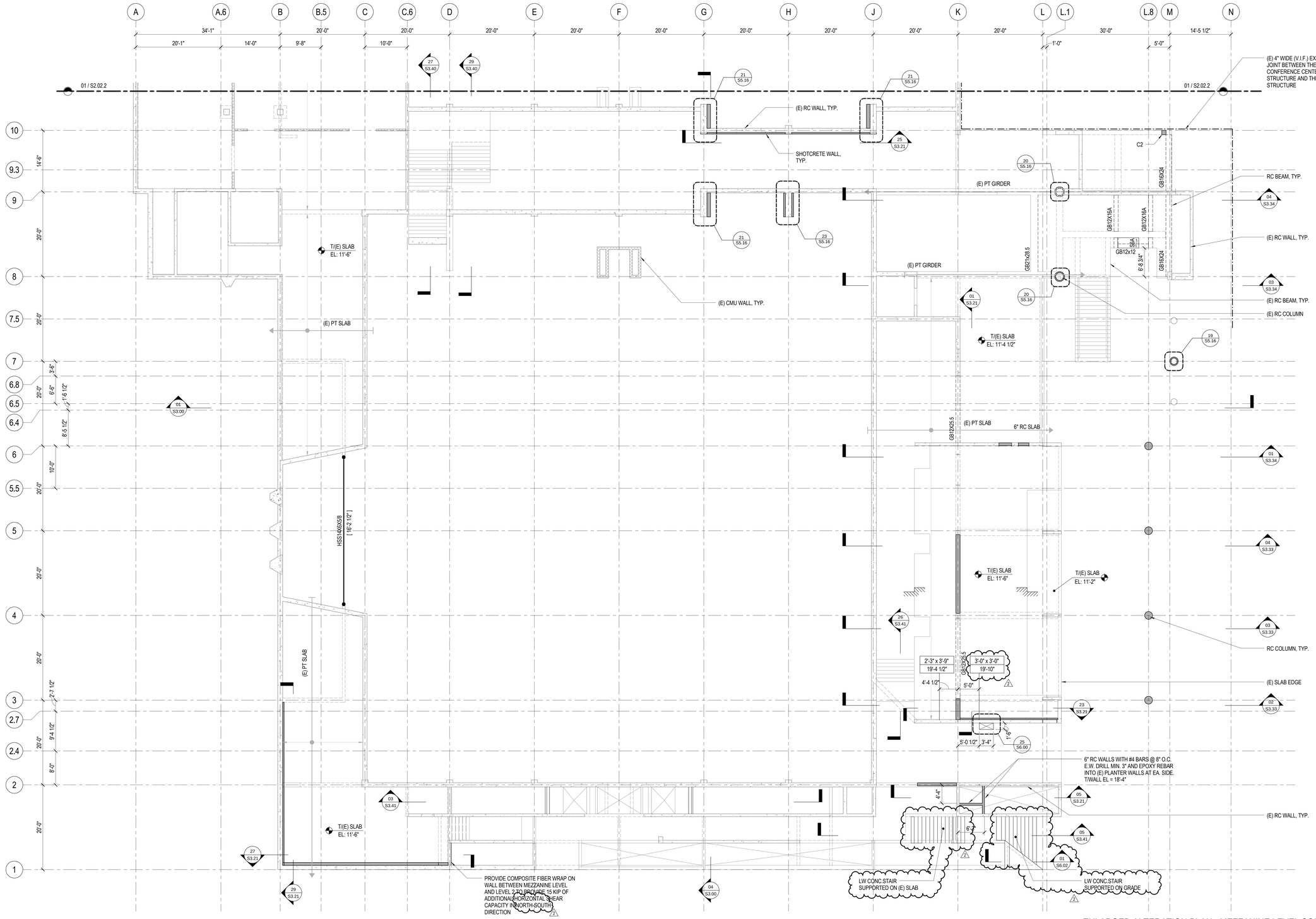

ENLARGED ALTERATION PLAN - MEZZANINE LEVEL SOUTH
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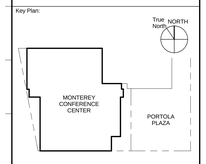

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ENLARGED ALTERATION PLAN - MEZZANINE LEVEL - SOUTH

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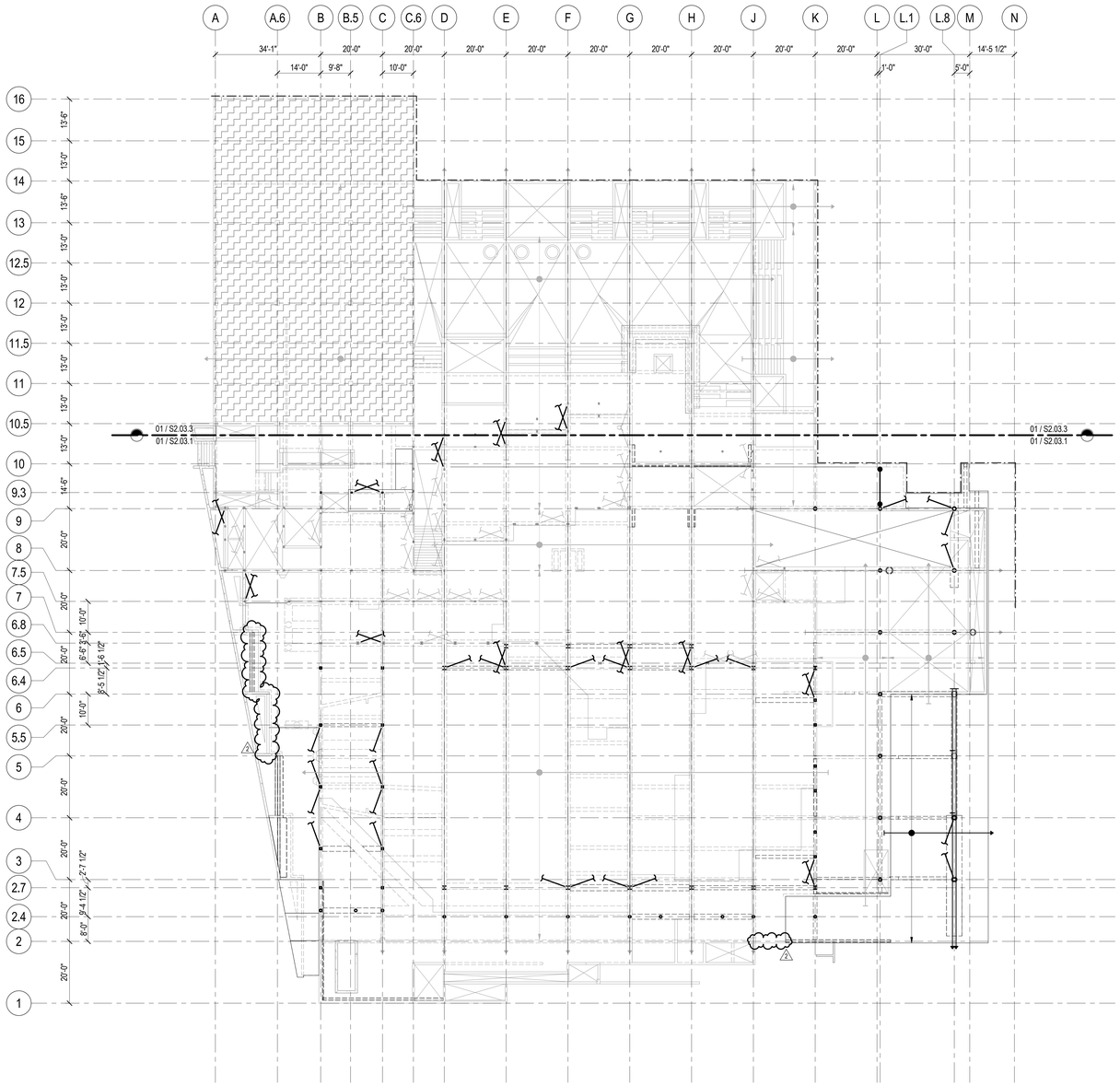
4. UNLESS INDICATED WITH SPECIFIC DIMENSION, ALIGN FACE OF DEMOLITION WITH FACE OF (E) WALL, (E) COLUMN, OR GRIDLINE.
5. UNLESS NOTED OR DETAILED OTHERWISE, EXTENT OF THE WALL DEMOLITION IS WITHIN THIS FLOOR.
6. REFER TO S3.21 FOR SHEAR WALL ALTERATION ELEVATION AND DETAILS.
7. REFER TO S3.30-S3.34 FOR BEAM ALTERATION ELEVATION AND DETAILS.
8. REFER TO SPECIFICATION 03 73 00 FOR FIBER REINFORCED POLYMER COMPOSITE SYSTEM.
9. REFER TO S6.00 FOR INTERFACE BETWEEN (E) AND (N) STRUCTURE, AND FOR OVER DEMOLITION TO LAP AND TRANSITION REINFORCEMENT.

NOTATIONS:

(E)CXXX - (E) COLUMN TO RE REINFORCED
(E)BPXXX - (E) BASE PL TO BE REINFORCED
(REFER TO STRENGTHENING DETAILS & SCHEDULE ON S6.01)



ALTERATION PLAN - LEVEL 02
1/16" = 1'-0" 01

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL

580 PACIFIC STREET, MONTEREY, CA 93940
TEL: (831) 646-5601

Architect / Engineer:

SOM
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

Consultants:

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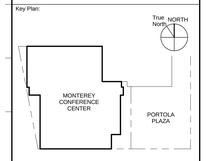
	15% PRICING ISSUE	05 DEC 2014
	30% SUBMITTAL	20 FEB 2015
	60% PROJECT COMPLETION	15 MAY 2015
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015
2	ADDENDUM 2	18 SEP 2015

Key Plan:



Seal & Signature:

REGISTERED PROFESSIONAL ENGINEER
MARK P. SARKISIAN
No. S 4639
Exp. 6/30/2017
STRUCTURAL
STATE OF CALIFORNIA

Sheet Name:

ALTERATION
PLAN - LEVEL 02

Project No.:	Sheet No.:
215004	S2.03
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NOTES:

1. ELEVATIONS, DIMENSIONS, SIZES AND LOCATIONS OF (E) ELEMENTS TO BE VERIFIED IN FIELD.
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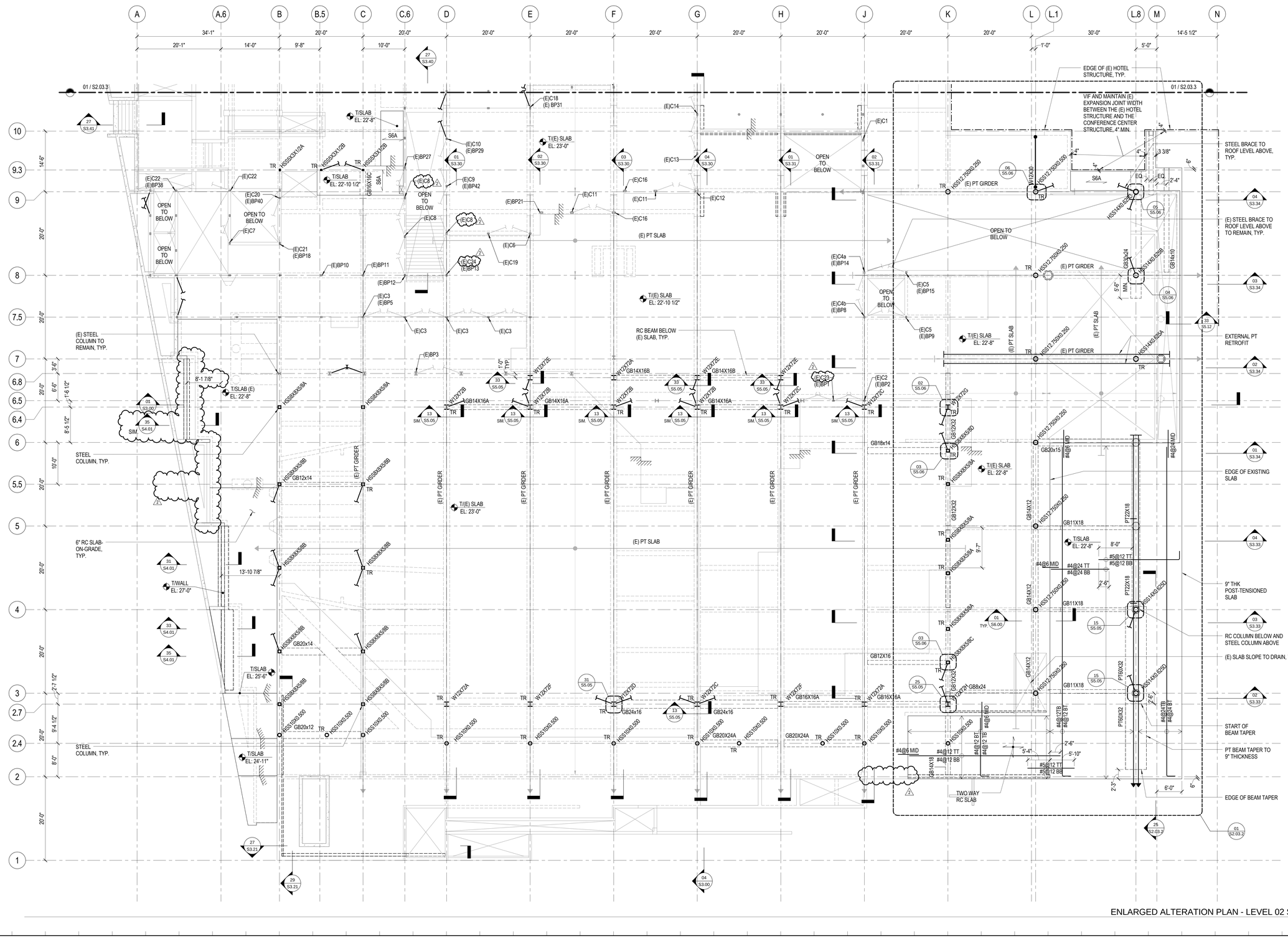
(E)BPXXX - (E) BASE PL TO BE REINFORCED
(REFER TO STRENGTHENING DETAILS & SCHEDULE ON S6.01)



ENLARGED ALTERATION PLAN - LEVEL 02 SOUTH
1/8" = 1'-0" 01

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CITY HALL

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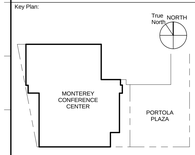
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015
2	ADDENDUM 2	18 SEP 2015

Key Plan:



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REGISTERED PROFESSIONAL ENGINEER
MARK P. SARKISIAN
No. S 4639
Exp. 6/30/2017
STRUCTURAL
STATE OF CALIFORNIA

Sheet Name:

ENLARGED ALTERATION PLAN - LEVEL 02 - SOUTH

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Sheet No.: S2.03.1

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Item 5 2 9

NOTES:

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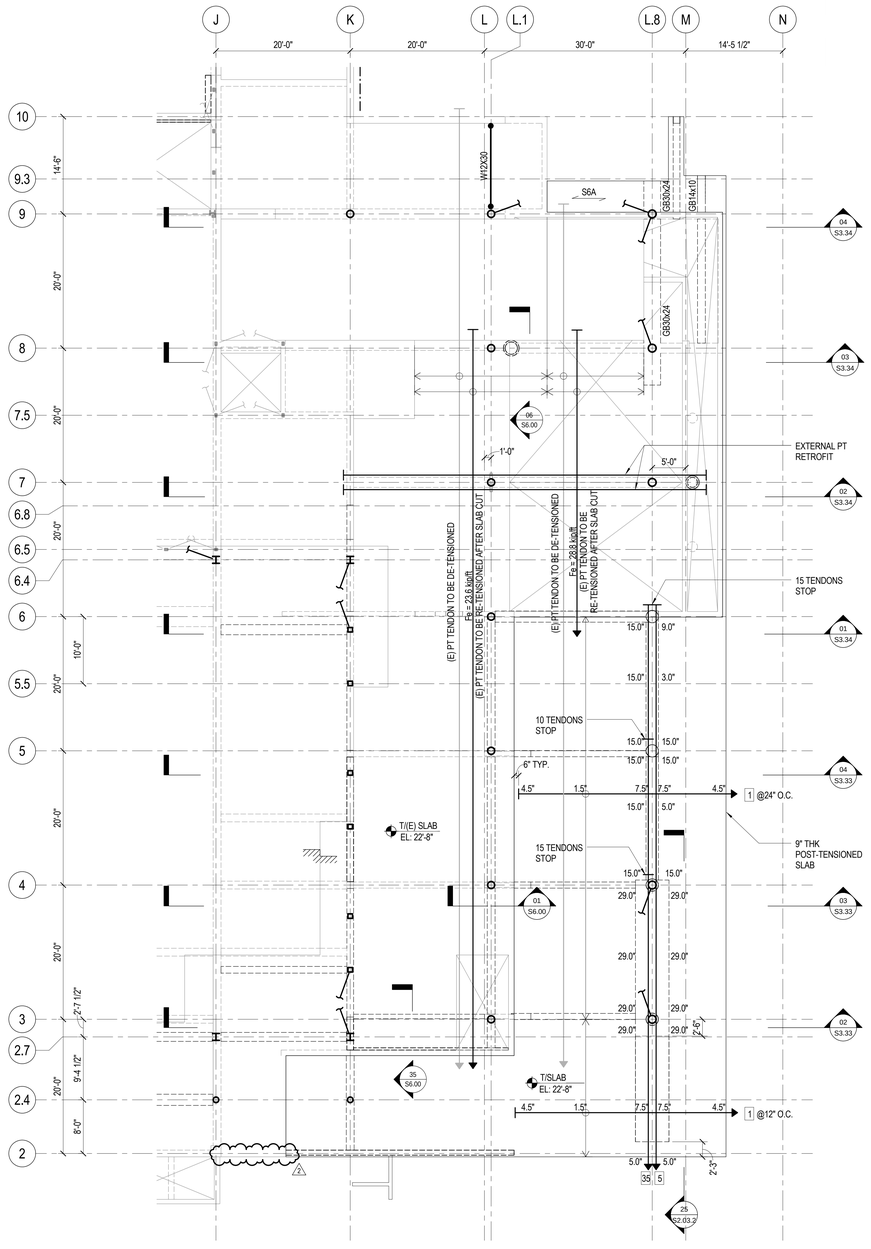
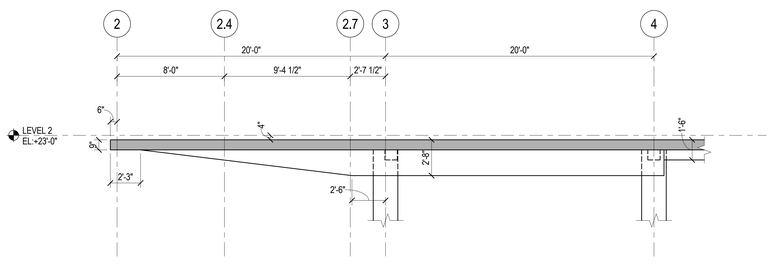
5. SEE S5.20 FOR POST-TENSION BEAM SCHEDULES AND DETAILS.
6. WHERE MULTIPLE TENDONS OCCUR THEY SHALL BE ARRANGED AND DESIGNED TO BE IN A SINGLE ROW. WHERE MULTIPLE ROWS ARE NEEDED, THE CENTER OF GRAVITY OF THE GROUP SHALL MEET THE SPECIFIED ELEVATIONS.
7. ALL TENDONS ARE 1/2" DIA. U.N.O., EACH HAS AN EFFECTIVE FORCE OF 27.0 KIP

LEGEND:

- POST-TENSION STRANDS
- STRESSING END
- DEAD-END
- X" — "X" IS THE ELEVATION OF CENTERLINE OF POST-TENSION TENDON FROM THE BOTTOM OF CONCRETE BEAM OR SLAB. SEE DETAIL ON S5.20 FOR DRAPE INFORMATION.
- Y @Z" O.C. — "Y" IS THE NUMBER OF 1/2" DIAMETER BANDED TENDONS. "Z" IS THE SPACING OF DISTRIBUTED 1/2" DIAMETER TENDONS.



PT PLAN - LEVEL 02
1/8" = 1'-0" 01



PROFILE OF CATILEVER PT GIRDER
1/4" = 1'-0" 25

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL

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SAN FRANCISCO, CA 94111

Consultants:

Issued For:

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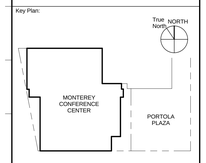
2	ADDENDUM 2	18 SEP 2015

Key Plan:



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REGISTERED PROFESSIONAL ENGINEER
MARK P. SARKISIAN
No. S 4639
Exp. 6/30/2017
STRUCTURAL
STATE OF CALIFORNIA

Sheet Name:

ENLARGED ALTERATION PT PLAN - LEVEL 02 - SOUTH

Project No.: 215004	Sheet No.: S2.03.2
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Checked By: LEAD	
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Agreement #: Ag-5097 - Page 370
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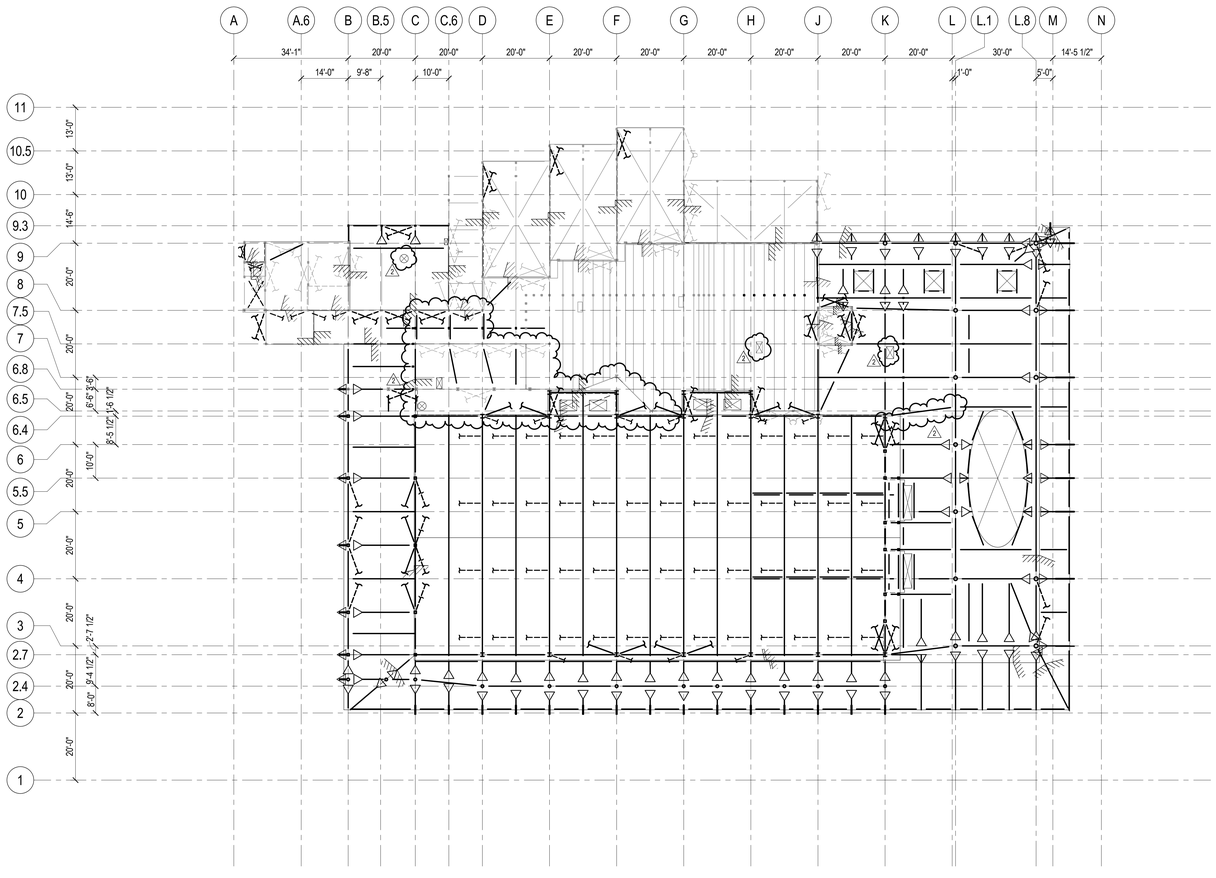
Date 3/29

NOTES:

1. ELEVATIONS, DIMENSIONS, SIZES AND LOCATIONS OF (E) ELEMENTS TO BE VERIFIED IN FIELD.
2. SEE S0.10 FOR DESCRIPTION OF PROPOSED ALTERATION WORK.
3. NOMINAL DEMOLITION EXTENTS ARE SHOWN. OVER-DEMOLITION TO LAP AND TRANSITION REINFORCEMENT WILL BE REQUIRED PER NOTES AND DETAILS.
4. REFER TO S3.11 AND S3.12 FOR BRACE ALTERATION ELEVATIONS AND DETAILS

NOTATIONS:

(U) - UPPER MEMBER
(L) - LOWER MEMBER
(T) - TAPERED MEMBER
(E)CXXX - (E) COLUMN TO RE REINFORCED
(E)BXXX - (E) BEAM TO BE REINFORCED (REFER TO STRENGTHENING DETAILS & SCHEDULE ON S5.02)



ALTERATION PLAN - ROOF LEVEL
1/16" = 1'-0" 01

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ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL

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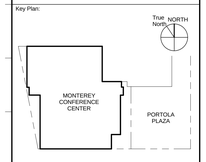
Key Plan:



Seal & Signature:

REGISTERED PROFESSIONAL ENGINEER
MARK P. SARKISIAN
No. S 4639
Exp. 6/30/2017
STRUCTURAL
STATE OF CALIFORNIA

Sheet Name:

ALTERATION PLAN - ROOF LEVEL

Project No.:	Sheet No.:
215004	S2.05
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RISK

NOTES:

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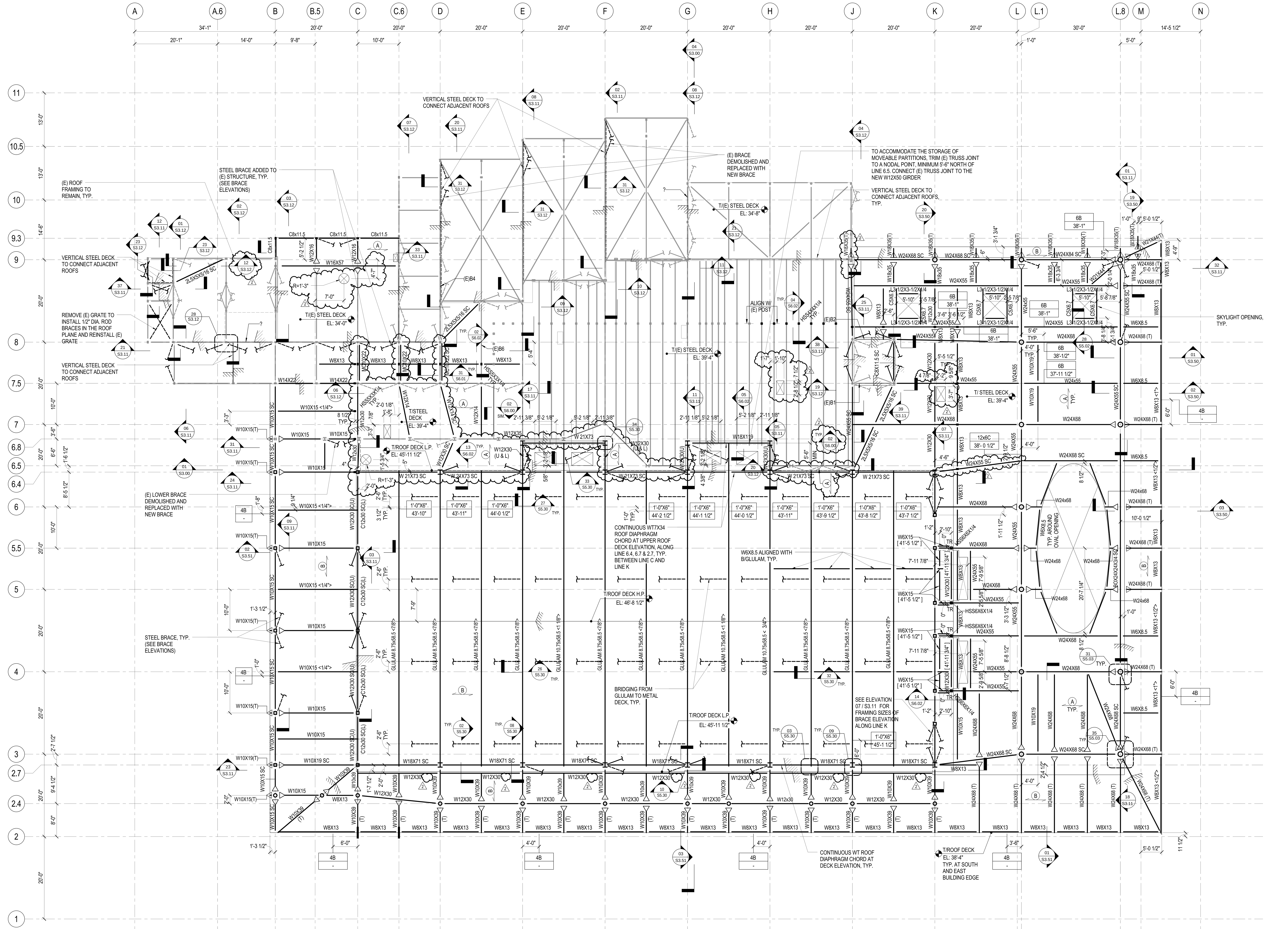
2. SEE S0.10 FOR DESCRIPTION OF PROPOSED ALTERATION WORK.
3. NOMINAL DEMOLITION EXTENTS ARE SHOWN. OVER-DEMOLITION TO LAP AND TRANSITION REINFORCEMENT WILL BE REQUIRED PER NOTES AND DETAILS.
4. REFER TO S3.11 AND S3.12 FOR BRACE ALTERATION ELEVATIONS AND DETAILS
5. OPENINGS IN GLULAM GIRDER TO HAVE ROUNDED CORNERS, CORNER RADIUS TO EQUAL HALF OF THE MIN. OPENING DIMENSION

NOTATIONS:

(U) -	UPPER MEMBER
(L) -	LOWER MEMBER
(T) -	TAPERED MEMBER
(S) -	SLOPED MEMBER
(E)BXXX -	(E) BEAM TO BE REINFORCED (REFER TO STRENGTHENING DETAILS & SCHEDULE ON S6.01)



ALTERATION PLAN - ROOF LEVEL 01
1/8" = 1'-0"

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL
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SAN FRANCISCO, CA 94111

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	BID SET	26 AUG 2015
2	ADDENDUM 2	18 SEP 2015

Key Plan:
MONTEREY CONFERENCE CENTER
PORTOLA PLAZA
True North
NORTH

Seal & Signature:
REGISTERED PROFESSIONAL ENGINEER
MARK P. SARKISIAN
No. S 4639
Exp. 6/30/2017
STRUCTURAL
STATE OF CALIFORNIA

Sheet Name:
ENLARGED ALTERATION PLAN - ROOF LEVEL

Project No.: 215004	Sheet No.: S2.05.1
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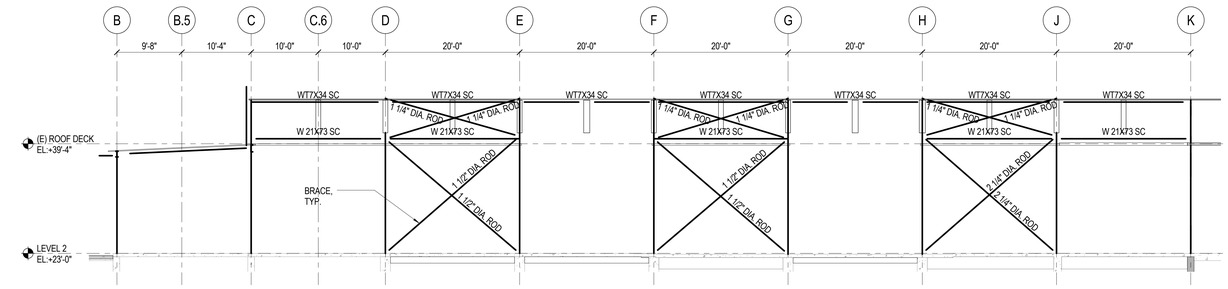
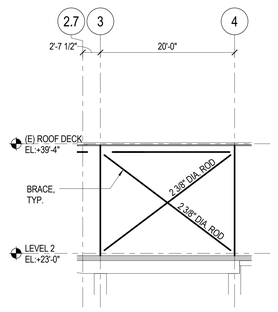
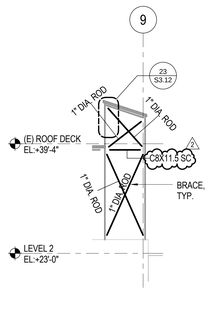


BRACE ELEVATION ALONG LINE 6.4 24
1/8" = 1'-0"



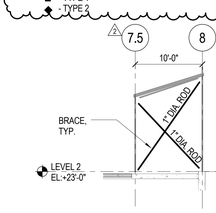
BRACE ELEVATION ALONG LINE L.8 18
1/8" = 1'-0"



BRACE ELEVATION NEAR LINE A 12
1/8" = 1'-0"

NOTES:

1. ALL (E) ELEVATIONS AND DIMENSIONS SHOWN SHALL BE V.I.F.
2. REFER TO S5.05 FOR BRACE CONNECTION DETAILS AND WORK POINTS.
3. REFER TO S5.07, S5.05, S5.06 FOR COLUMN BASE PLATE CONNECTION DETAIL & SCHEDULE.
4. REFER TO S2.03.1, S2.03.3, S2.05.1, S6.01 & S6.02 FOR REINFORCEMENTS TO (E) COLS., BASE PLS., BEAMS & BEAM-TO-COLUMN CONNECTIONS.
5. REFER TO S2.05.1 AND S6.01 FOR REINFORCEMENTS TO (E) COLUMNS AND BEAMS.
6. ● INDICATES THAT REINFORCEMENTS TO (E) GUSSET PL. ARE REQ'D, SEE 30 / S3.12 .
7. ■ & ◆ INDICATE THAT REINFORCEMENTS TO (E) BEAM-TO-COLUMN CONNECTIONS ARE REQ'D. SEE 15 / S6.02
   ■ - TYPE 1
   ◆ - TYPE 2



NOTATIONS:

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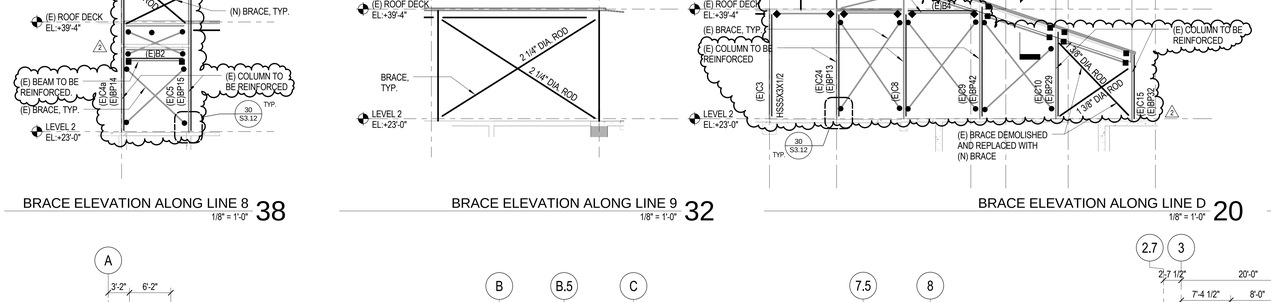
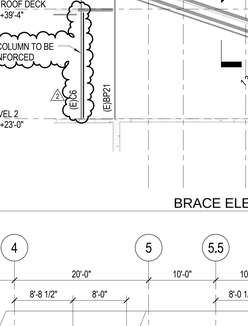
(E)BPXXX - (E) BASE PL TO BE REINFORCED (REFER TO STRENGTHENING DETAILS & SCHEDULE ON S6.01)
(E)BXXX - (E) BEAM TO BE REINFORCED (REFER TO STRENGTHENING DETAILS & SCHEDULE ON S6.01)

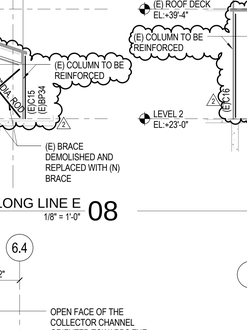
BRACE ELEVATION NEAR LINE A 06
1/8" = 1'-0"



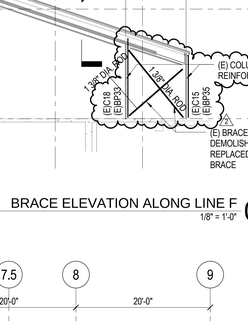
BRACE ELEVATION ALONGLINE 2.7 23
1/8" = 1'-0"



BRACE ELEVATION ALONG LINE E 17
1/8" = 1'-0"



BRACE ELEVATION ALONG LINE G 11
1/8" = 1'-0"



BRACE ELEVATION ALONG LINE H 05
1/8" = 1'-0"

BRACE ELEVATION NEAR LINE J 39
1/8" = 1'-0"

BRACE ELEVATION ALONG LINE 9.3 33
1/8" = 1'-0"

BRACE ELEVATION ALONG LINE 8 21
1/8" = 1'-0"

BRACE ELEVATION ALONG LINE B 09
1/8" = 1'-0"

BRACE ELEVATION ALONG LINE C 03
1/8" = 1'-0"

BRACE ELEVATION ALONG LINE 8 38
1/8" = 1'-0"

BRACE ELEVATION ALONG LINE 9 32
1/8" = 1'-0"

BRACE ELEVATION ALONG LINE D 20
1/8" = 1'-0"

BRACE ELEVATION ALONG LINE E 08
1/8" = 1'-0"

BRACE ELEVATION ALONG LINE F 02
1/8" = 1'-0"

BRACE ELEVATION NEAR LINE 9 37
1/8" = 1'-0"

BRACE ELEVATION ALONG LINE 6.8 31
1/8" = 1'-0"

BRACE ELEVATION ALONG LINE J 25
1/8" = 1'-0"

BRACE ELEVATION ALONG LINE K 07
1/8" = 1'-0"

BRACE ELEVATION ALONG LINE L.8 01
1/8" = 1'-0"

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Key Plan:

Seal & Signature:

REGISTERED PROFESSIONAL ENGINEER
MARK P. SARKISIAN
No. S 4639
Exp. 6/30/2017
STRUCTURAL
STATE OF CALIFORNIA

Sheet Name:

BRACE ALTERATION ELEVATIONS AND DETAILS I

Project No.:	Sheet No.:
215004	S3.11
Drawn By: TEAM	
Checked By: LEAD	
Scale: As indicated	

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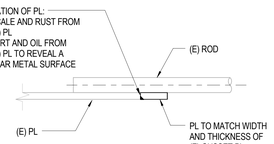
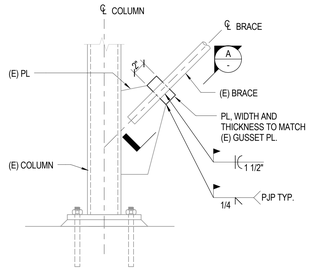
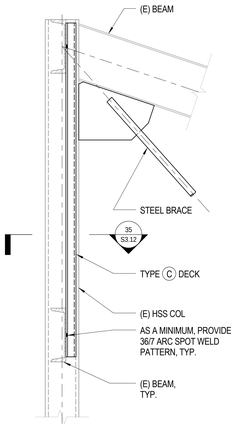
PRIOR TO INSTALLATION OF PL:
- WIRE BRUSH SCALE AND RUST FROM SURFACE OF (E) PL
- REMOVE ANY DIRT AND OIL FROM SURFACE OF (E) PL TO REVEAL A CLEAN AND CLEAR METAL SURFACE



A SECTION



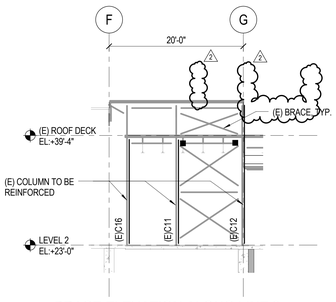
TYPICAL (E) GUSSET PLATES STRENGTHENING DETAIL 30
1 1/2" = 1'-0"



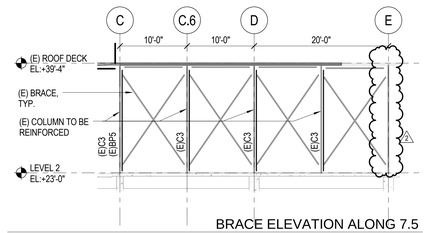
VERTICAL DE0CK TO BEAM CONNECTION DETAIL NEAR LINE 9 23
1 1/2" = 1'-0"

NOTES:
1. ALL (E) ELEVATIONS AND DIMENSIONS SHOWN SHALL BE V.I.F.
2. REFER TO S5.05 FOR BRACE CONNECTION DETAILS AND WORK POINTS.
3. REFER TO S5.07, S5.05, S5.06 FOR COLUMN BASE PLATE CONNECTION DETAIL & SCHEDULE.
4. REFER TO S2.03.1, S2.03.3, S2.05.1, S6.01 & S6.02 FOR REINFORCEMENTS TO (E) COLS., BASE PLS., BEAMS & BEAM-TO-COLUMN CONNECTIONS.
5. REFER TO S2.05.1 AND S6.01 FOR REINFORCEMENTS TO (E) COLUMNS AND BEAMS.
6. ● INDICATES THAT REINFORCEMENTS TO (E) GUSSET PL ARE REQ'D, SEE 30 / S3.12 .
7. ■ & ◆ INDICATE THAT REINFORCEMENTS TO (E) BEAM-TO-COLUMN CONNECTIONS ARE REQ'D. SEE 15 / S6.02
   ■ - TYPE 1
   ◆ - TYPE 2

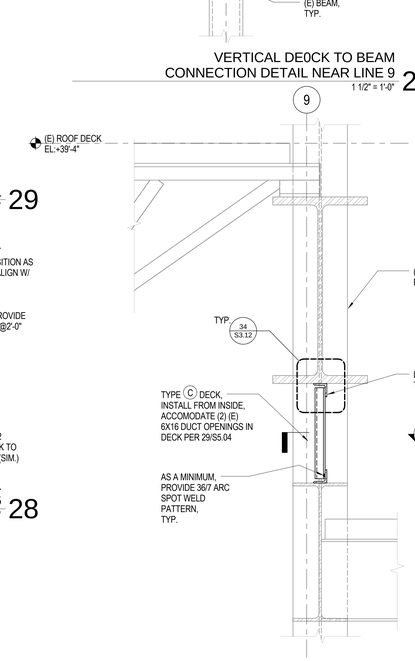
NOTATIONS:
(E)CXXX - (E) COLUMN TO RE REINFORCED
(E)BPXXX - (E) BASE PL TO BE REINFORCED (REFER TO STRENGTHENING DETAILS & SCHEDULE ON S6.01)
(E)BXXX - (E) BEAM TO BE REINFORCED (REFER TO STRENGTHENING DETAILS & SCHEDULE ON S6.01)



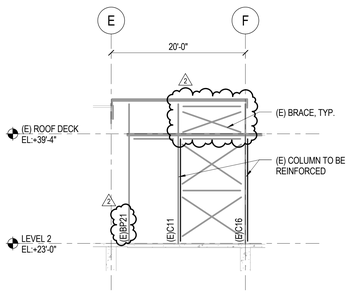
BRACE ELEVATION ALONG LINE 9 11
1/8" = 1'-0"



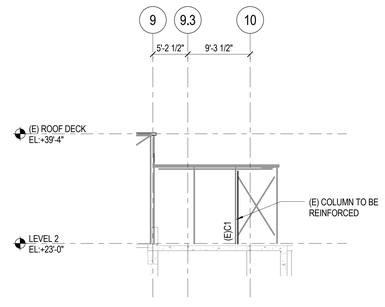
BRACE ELEVATION ALONG 7.5 06
1/8" = 1'-0"



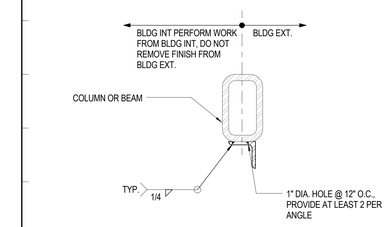
VERTICAL DECK TO BEAM CONNECTION DETAIL ALONG LINE 9 21
1 1/2" = 1'-0"



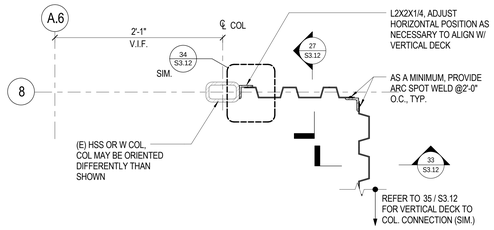
BRACE ELEVATION NEAR LINE 9 10
1/8" = 1'-0"



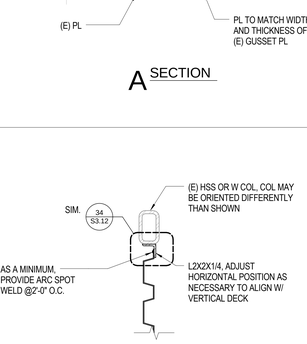
BRACE ELEVATION ALONG LINE J 04
1/8" = 1'-0"



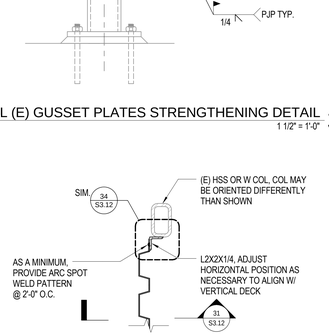
ANGLE TO BEAM OR COL WELD DETAIL 34
3" = 1'-0"



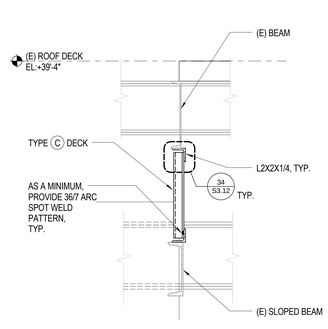
VERTICAL DECK TO COLUMN CONNECTION DETAIL ALONG LINE 8, NEAR LINE A.6 28
1 1/2" = 1'-0"



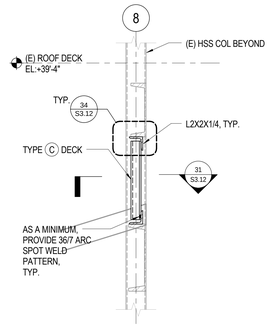
VERTICAL DECK TO COLUMN CONNECTION DETAIL 35
1 1/2" = 1'-0"



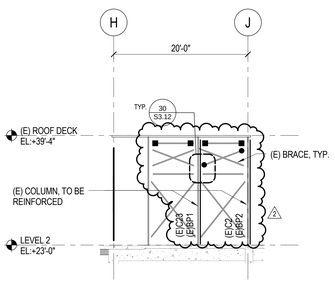
VERTICAL DECK TO COLUMN CONNECTION DETAIL 29
1 1/2" = 1'-0"



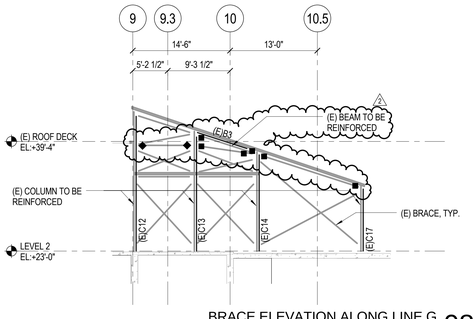
VERTICAL DECK TO BEAM CONNECTION DETAIL NEAR LINE A.6 33
1 1/2" = 1'-0"



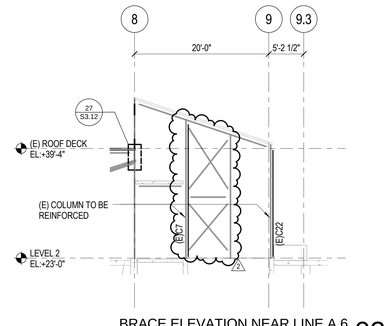
VERTICAL DECK TO BEAM CONNECTION DETAIL ALONG LINE 8 27
1 1/2" = 1'-0"



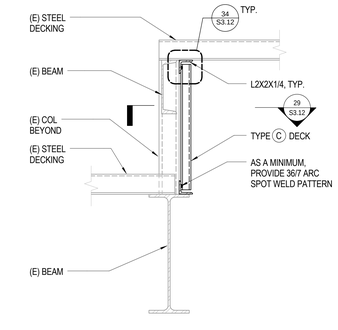
BRACE ELEVATION ALONG LINE 6.5 20
1/8" = 1'-0"



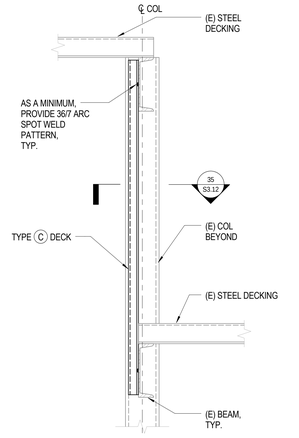
BRACE ELEVATION ALONG LINE G 08
1/8" = 1'-0"



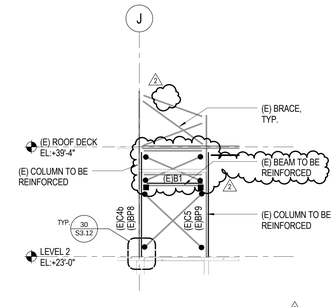
BRACE ELEVATION NEAR LINE A.6 02
1/8" = 1'-0"



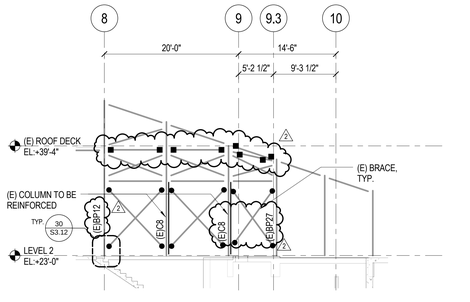
VERTICAL DECK TO BEAM CONNECTION DETAIL ALONG LINES D, E , F 31
1 1/2" = 1'-0"



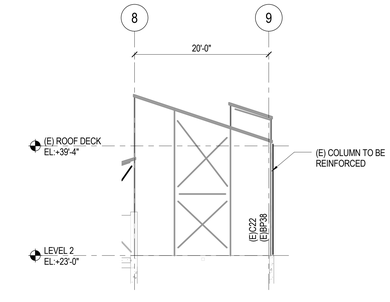
VERTICAL DECK TO BEAM CONNECTION DETAIL NEAR LINE A 25
1 1/2" = 1'-0"



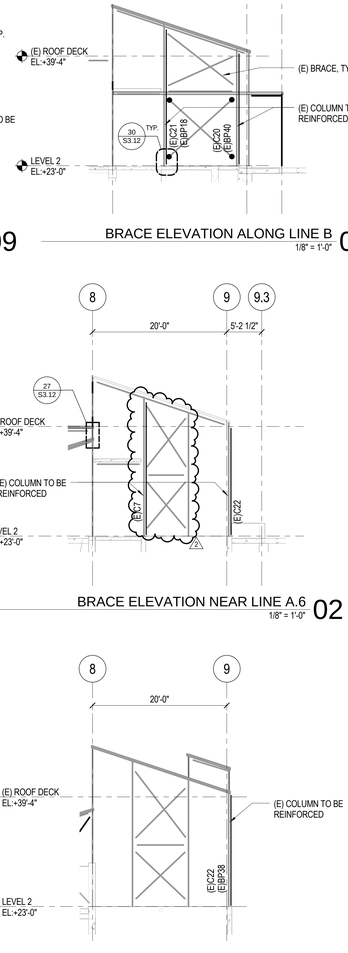
BRACE ELEVATION NEAR LINE 7.5 19
1/8" = 1'-0"



BRACE ELEVATION ALONG LINE C.6 07
1/8" = 1'-0"



BRACE ELEVATION NEAR LINE A 01
1/8" = 1'-0"



BRACE ELEVATION ALONG LINE B 03
1/8" = 1'-0"

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL

580 PACIFIC STREET, MONTEREY, CA 93940
TEL: (831) 646-5601

Architect / Engineer:

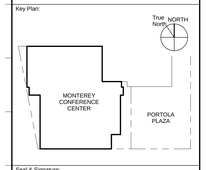
SOM
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

Consultants:

Issued For:

No.	Description:	Date:
	60% PROJECT COMPLETION	15 MAY 2015
	PERMIT SET	15 JUNE 2015
	BID SET	26 AUG 2015
2	ADDENDUM 2	18 SEP 2015

Key Plan:



Seal & Signature:

REGISTERED PROFESSIONAL ENGINEER
MARK P. SARKISIAN
No. S 4639
Exp. 6/30/2017
STRUCTURAL
STATE OF CALIFORNIA

Sheet Name:

BRACE ALTERATION ELEVATIONS AND DETAILS II

Project No.: 215004	Sheet No.: S3.12
Drawn By: TEAM	
Checked By: LEAD	
Scale: As indicated	

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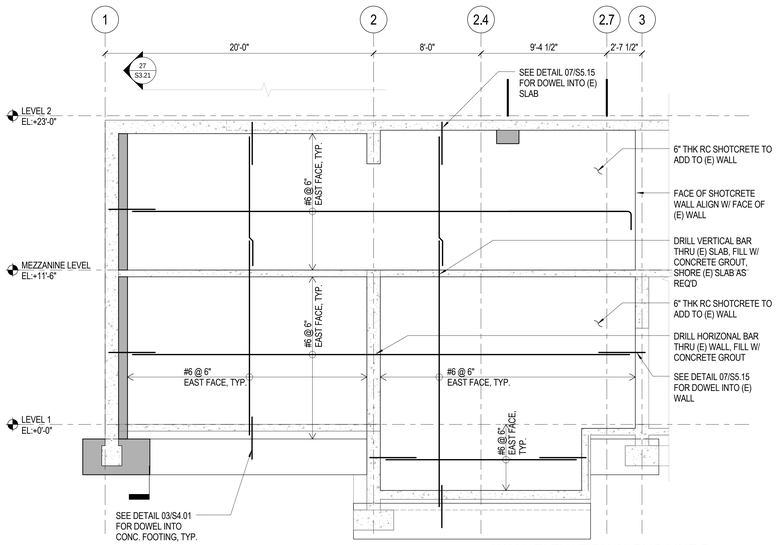
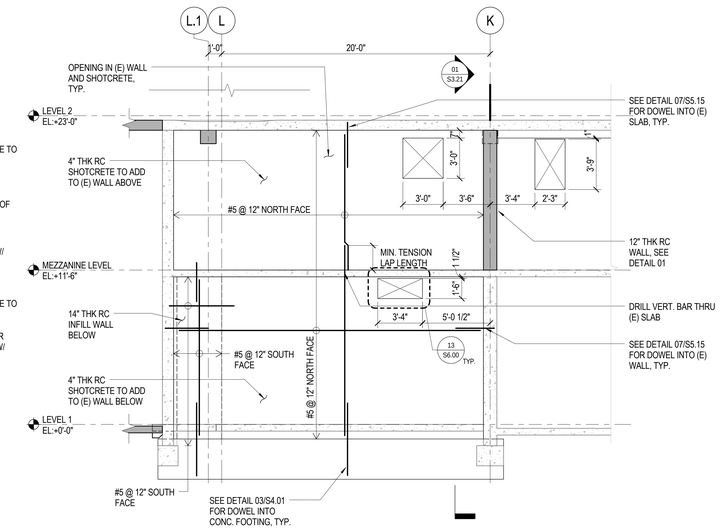
Agreement #: Ag-5097 - Page 370 of 429
Supplied as a Scan

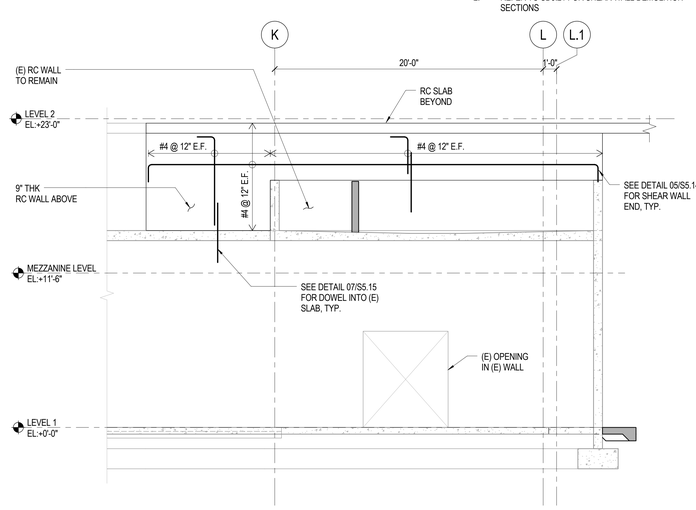
NOTES:
1. SEE 01 AND 02/S5.15 FOR ADHESIVE DOWEL INTO (E) WALL AT ALL SHOTCRETE WALL
2. REFER TO SD3.21 FOR SHEAR WALL DEMOLITION SECTIONS



WALL ELEVATION ALONG LINE B 29
1/4" = 1'-0"



WALL ELEVATION NEAR LINE 2.7 23
1/4" = 1'-0"



WALL ELEVATION ALONG LINE 2 05
1/4" = 1'-0"

WALL ELEVATION ALONG LINE 1 27
1/4" = 1'-0"

WALL ELEVATION ALONG LINE 8 21
1/4" = 1'-0"

WALL ELEVATION ALONG LINE 9 15
1/4" = 1'-0"

WALL ELEVATION NEAR LINE M 03
1/4" = 1'-0"

WALL ELEVATION ALONG LINE 10 25
1/4" = 1'-0"

WALL ELEVATION ALONG LINE K 01
1/4" = 1'-0"

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Consultants:

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	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015
2	ADDENDUM 2	18 SEP 2015

Key Plan:

Seal & Signature:
REGISTERED PROFESSIONAL ENGINEER
MARK P. SARVISION
No. S 4639
Exp. 6/30/2017
STRUCTURAL
STATE OF CALIFORNIA

Sheet Name:
SHEAR WALL ALTERATION ELEVATIONS AND DETAILS I

Project No.:	215004
Drawn By:	TEAM
Checked By:	LEAD
Scale:	1/4" = 1'-0"

Sheet No.: S3.21

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Agreement #: Ag-5097 - Page 370
Approved as to Form
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CMO
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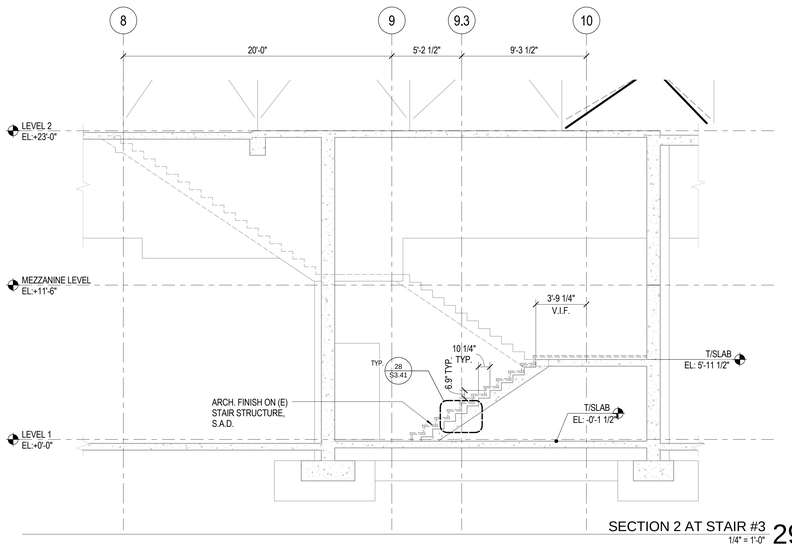
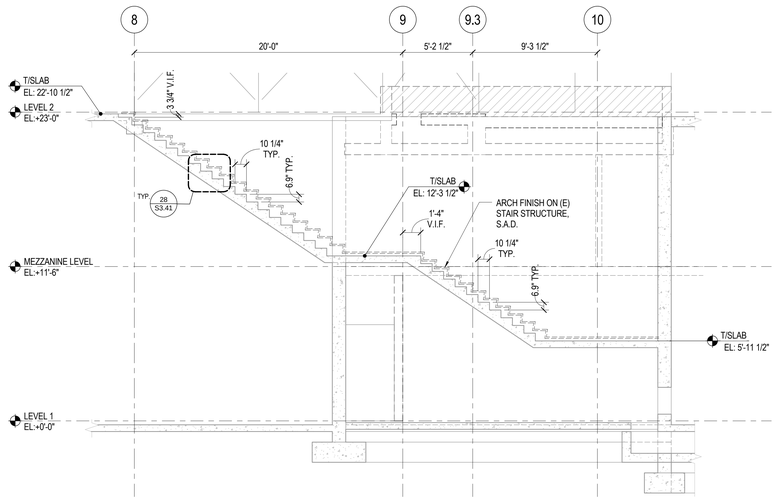
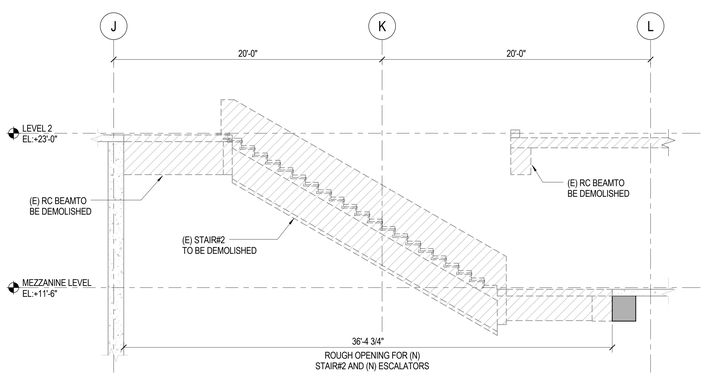


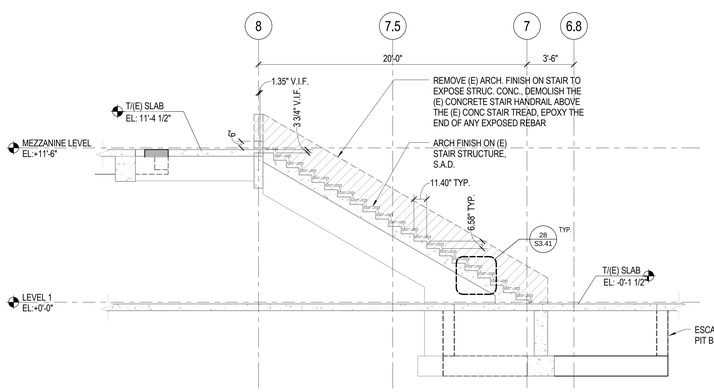
SECTION 2 AT STAIR #3 29
1/4" = 1'-0"



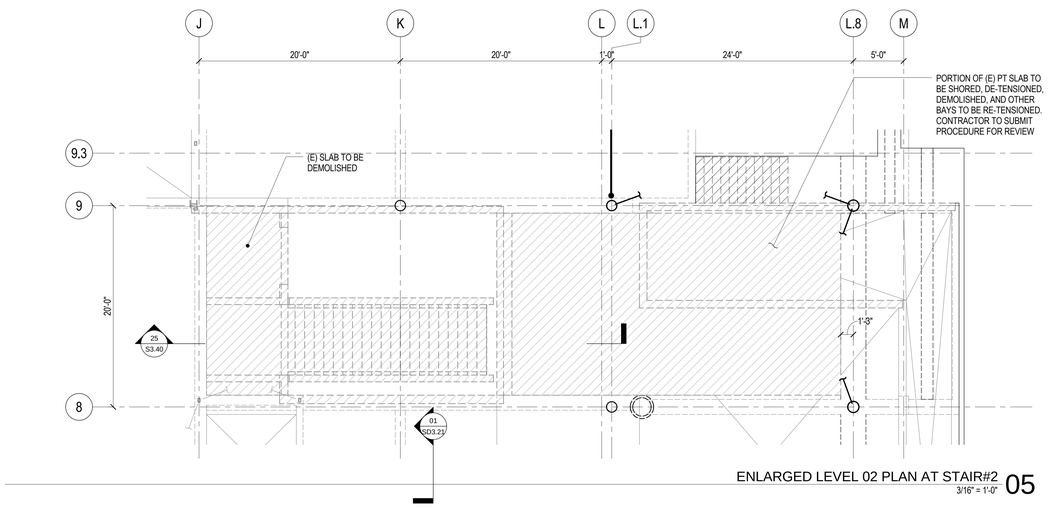
SECTION 1 AT STAIR #3 27
1/4" = 1'-0"



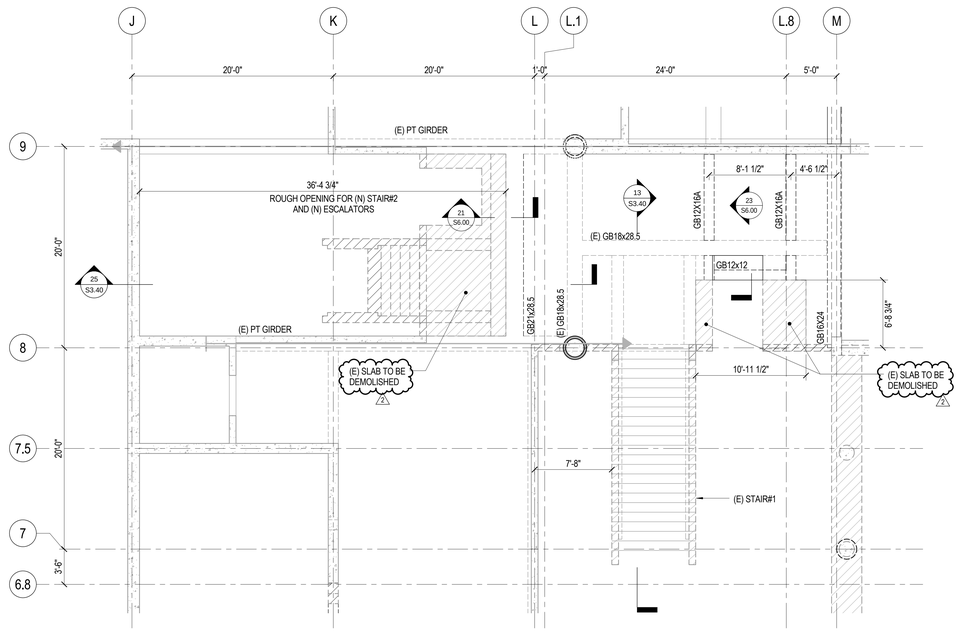
SECTION AT STAIR #2 25
1/4" = 1'-0"



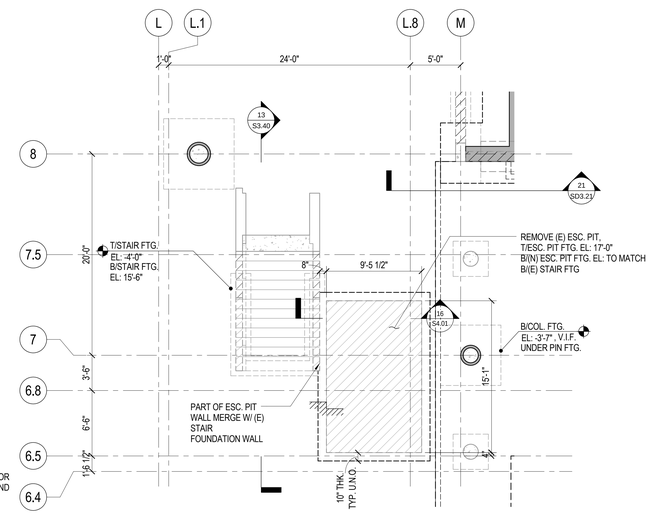
SECTION AT STAIR #1 13
1/4" = 1'-0"



ENLARGED LEVEL 02 PLAN AT STAIR#2 05
3/16" = 1'-0"



ENLARGED MEZZANINE LEVEL PLAN AT STAIR#1 AND STAIR#2 03
3/16" = 1'-0"



ENLARGED LEVEL 01 PLAN AT STAIR#1 01
3/16" = 1'-0"

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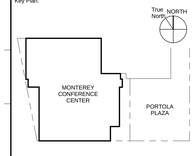
2	ADDENDUM 2	18 SEP 2015

Key Plan:



Seal & Signature:

REGISTERED PROFESSIONAL ENGINEER
MARK P. SARKISIAN
No. S 4639
Exp. 6/30/2017
STRUCTURAL
STATE OF CALIFORNIA

Sheet Name:

STAIR ALTERATION PLANS AND SECTIONS I

Project No.:	215004	Sheet No.:
Drawn By:	TEAM	S3.40
Checked By:	LEAD	
Scale:	As indicated	

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Agreement #: Ag-5097 - Page 370
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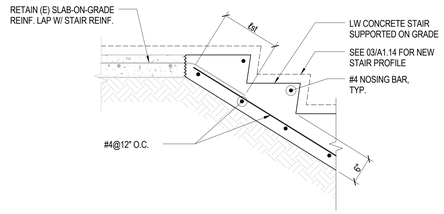
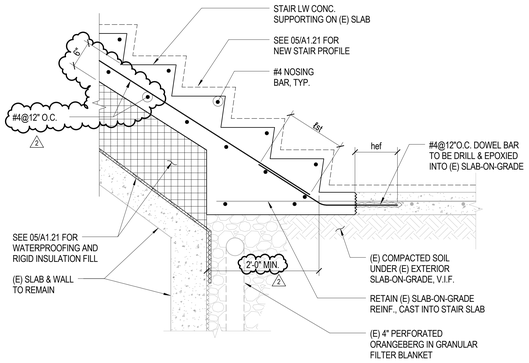
329



ENLARGED SECTION AT MIDDLE LANDING OF STAIR#23 23
1" = 1'-0"



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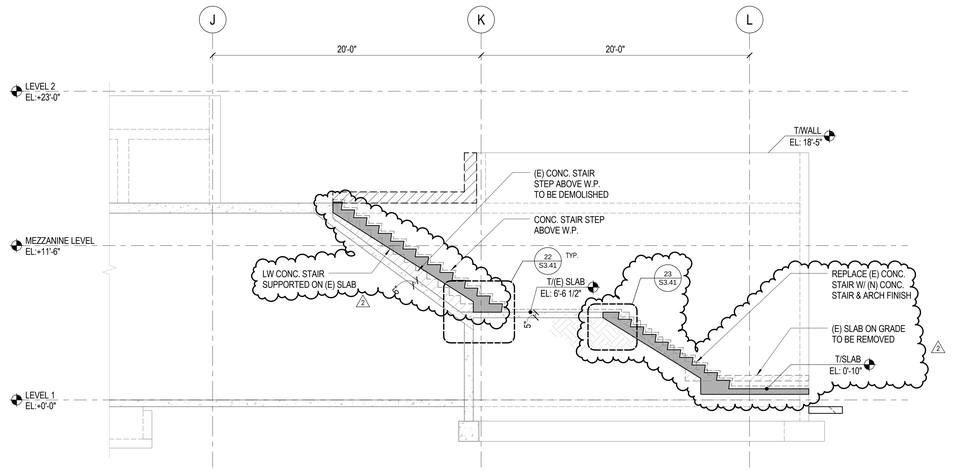
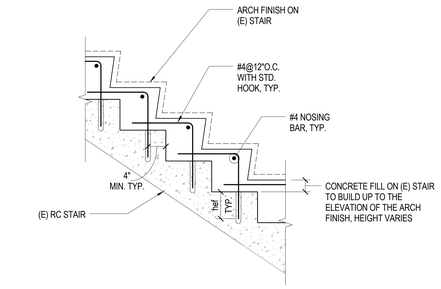
1" = 1'-0"



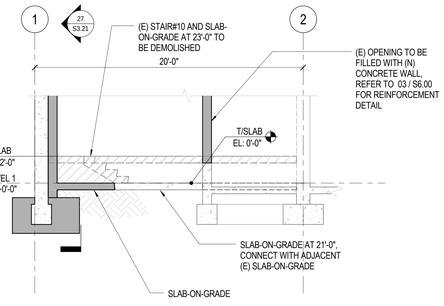
SECTION AT STAIR #23 05
1/4" = 1'-0"



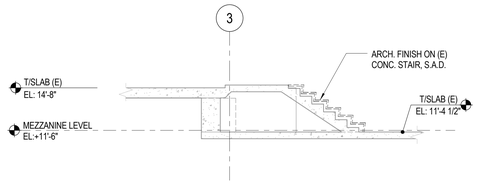
TYPICAL REINFORCEMENT AT STAIR CONCRETE FILL 28
1" = 1'-0"

SECTION AT STAIR#30 27
1/4" = 1'-0"

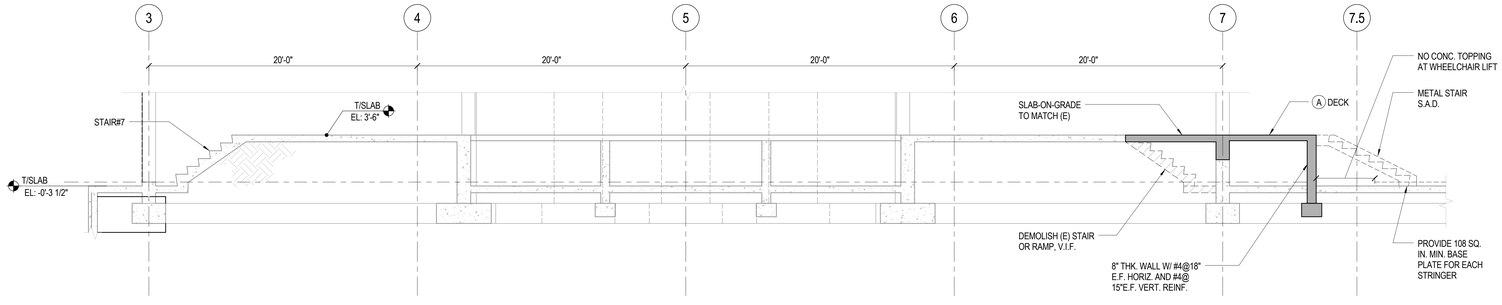
SECTION AT STAIR #11 AND #12 03
1/4" = 1'-0"



SECTION AT STAIR #10 25
1/4" = 1'-0"



SECTION AT STAIR #14 26
1/4" = 1'-0"



SECTION AT STAIR #6 AND #7 01
1/4" = 1'-0"

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL

580 PACIFIC STREET, MONTEREY, CA 93940
TEL: (831) 646-5601

Architect / Engineer:

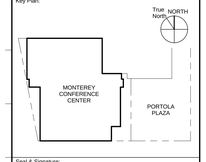
SOM
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

Consultants:

Issued For:

No.	Description:	Date:
	60% PROJECT COMPLETION	15 MAY 2015
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015
2	ADDENDUM 2	18 SEP 2015

Key Plan:



Seal & Signature:

REGISTERED PROFESSIONAL ENGINEER
MARK P. SARKISIAN
No. S 4639
Exp. 6/30/2017
STRUCTURAL
STATE OF CALIFORNIA

Sheet Name:

STAIR ALTERATION PLANS AND SECTIONS II

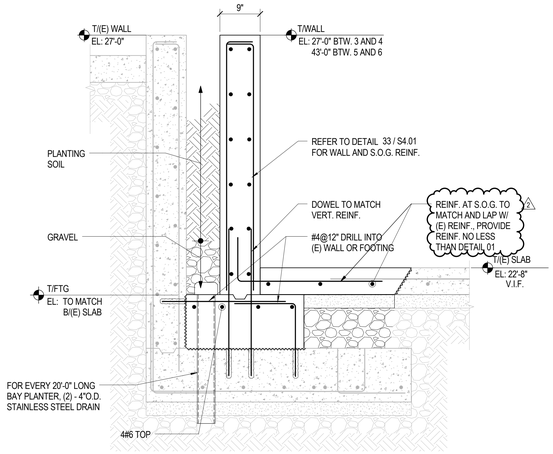
Project No.:	Sheet No.:
215004	S3.41
Drawn By: TEAM	
Checked By: LEAD	
Scale: As indicated	

9/17/2015 8:33:06 PM

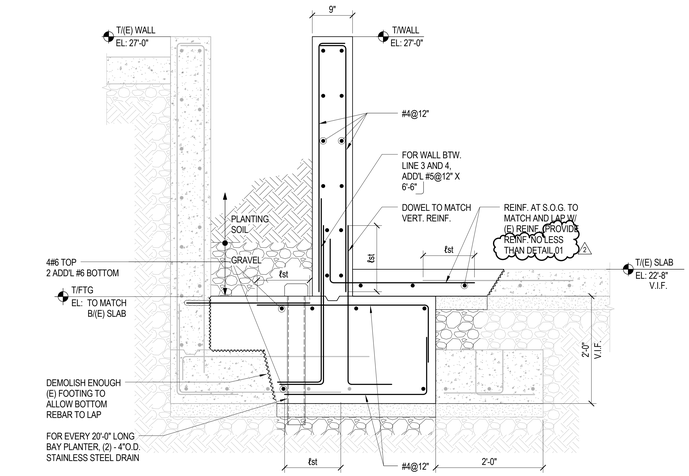
Agreement #: Ag-5097 - Page 370 of 429
Approved as to Form

NOTE:

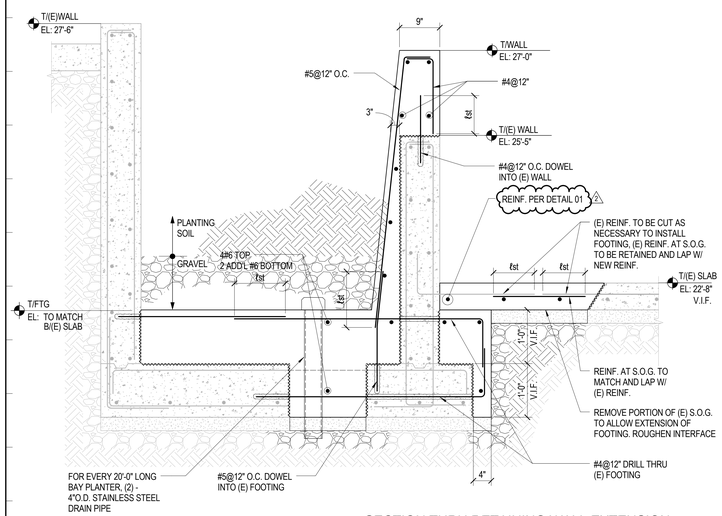
PROVIDE UNDERPINNING AND SHORING AS REQUIRED



SECTION THRU RETAINING WALL EXTENSION
1" = 1'-0" 35



SECTION THRU RETAINING WALL SHIFT
1" = 1'-0" 33



SECTION THRU RETAINING WALL EXTENSION
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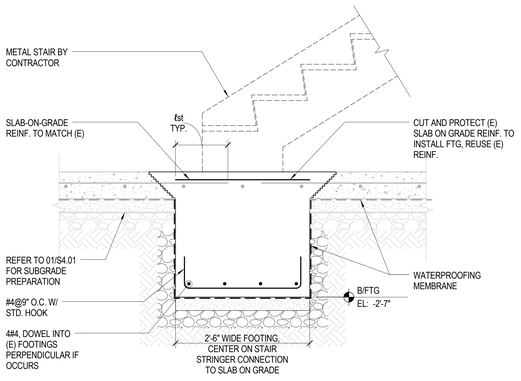
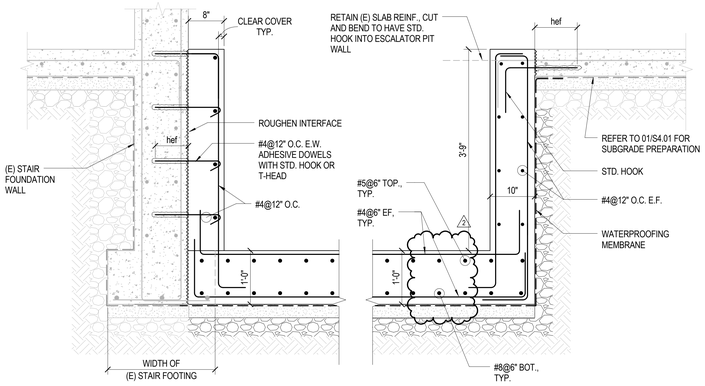
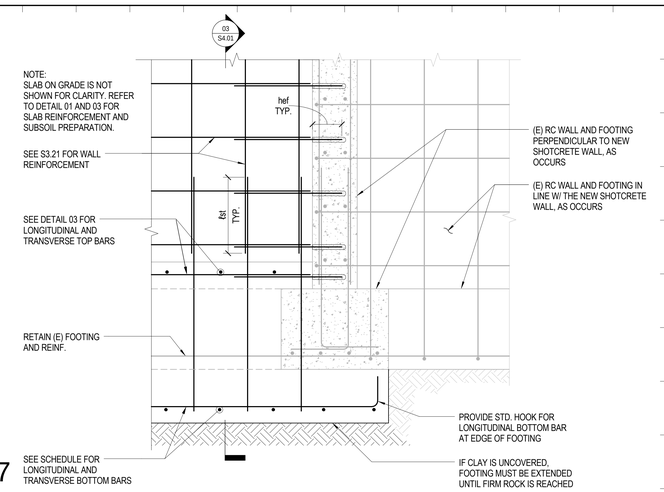


SECTION OF FOOTING FOR STAIR
1" = 1'-0" 17



ESCALATOR PIT WALL SECTION
1" = 1'-0" 16



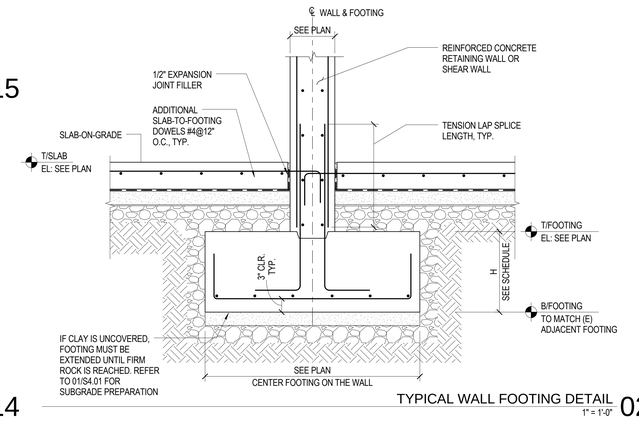
TYPICAL LONGITUDINAL SECTION FOR FOOTING ADDITION
1" = 1'-0" 04

COLUMN FOOTING REINFORCEMENT SCHEDULE						
LOCATION	DEPTH, H	TOP BARS IN NORTH-SOUTH DIR.	BOTTOM BARS IN NORTH-SOUTH DIR.	TOP BARS IN EAST-WEST DIR.	BOTTOM BARS IN EAST-WEST DIR.	REMARKS
H/9	4'-0"	#5@12" O.C.	#9@9" O.C.	#7@14" O.C.	#7@14" O.C.	
J/10	4'-0"	#5@14" O.C.	#9@7" O.C.	#7@14" O.C.	#7@14" O.C.	
G/9 & G/10	4'-0"	#5@12" O.C.	#11@4" O.C.	#7@14" O.C.	#7@14" O.C.	COMBINED FOOTING, SEE PLAN

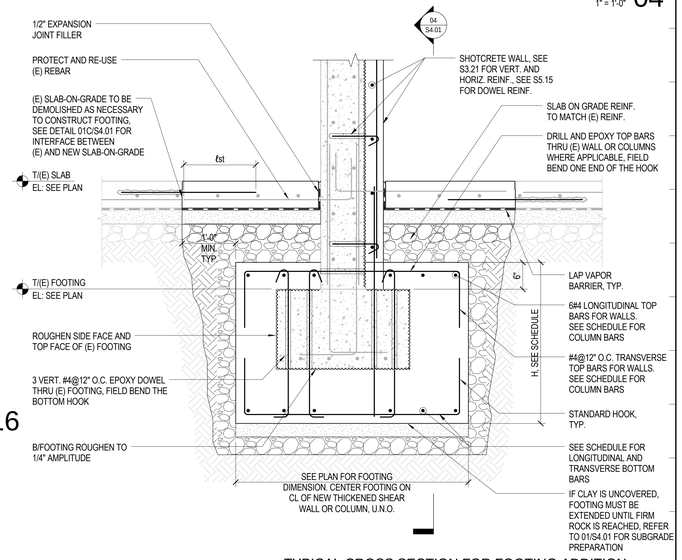
COLUMN FOOTING REINF. SCHEDULE
12" = 1'-0" 15

SHEAR WALL FOOTING REINFORCEMENT SCHEDULE				
LOCATION	DEPTH, H	TRANSVERSE BOTTOM BAR	LONGITUDINAL BOTTOM BAR	REMARKS
M.3/8-9	3'-0"	#8@12" O.C.	#8@12" O.C.	
9/M. 8/M	3'-0"	#8@12" O.C.	#8@12" O.C.	
K/7-7.5	2'-6"	#8@14" O.C.	#6@14" O.C.	
K-3.6	2'-6"	#8@12" O.C.	#6@12" O.C.	
2.7-K/L	3'-0"	#8@12" O.C.	#6@12" O.C.	
10-G/J	3'-4"	#8@10" O.C.	#6@10" O.C.	
7.3/B-B.5	1'-6"	#4@12" O.C.	4#4	
1/B-D	3'-0"	#7@12" O.C.	#7@12" O.C.	
B/1-3	3'-0"	#7@12" O.C.	#7@12" O.C.	

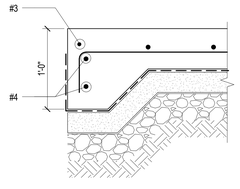
SHEAR WALL FOOTING REINFORCEMENT SCHEDULE
NTS 14



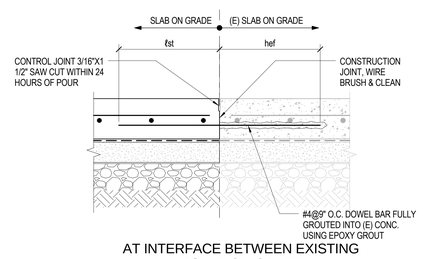
TYPICAL WALL FOOTING DETAIL
1" = 1'-0" 02



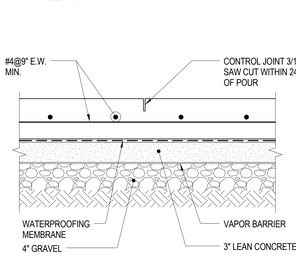
TYPICAL CROSS SECTION FOR FOOTING ADDITION
1" = 1'-0" 03



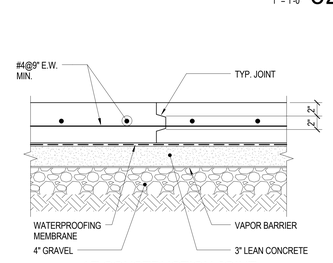
D AT SLAB EDGE



C AT INTERFACE BETWEEN EXISTING AND NEW SLAB-ON-GRADE



B AT CONTROL JOINT



A AT CONSTRUCTION JOINT

TYPICAL SLAB-ON-GRADE SECTION
1 1/2" = 1'-0" 01

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL

580 PACIFIC STREET, MONTEREY, CA 93940
TEL: (831) 646-5601

Architect / Engineer:

SOM
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

Consultants:

Issued For:

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	PERMIT SET	15 JUNE 2015
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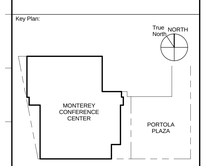
Key Plan:



Seal & Signature:

REGISTERED PROFESSIONAL ENGINEER
MARK P. SARNISKY
No. S 4639
Exp. 6/30/2017
STRUCTURAL
STATE OF CALIFORNIA

Sheet Name:

TYPICAL FOUNDATION DETAILS

Project No.:	Sheet No.:
215004	S4.01
Drawn By: TEAM	
Checked By: LEAD	
Scale: As indicated	

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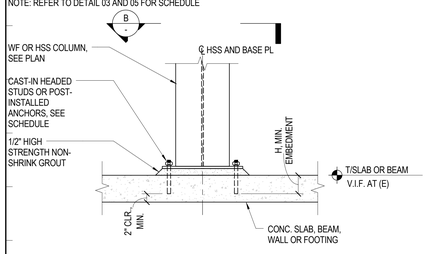
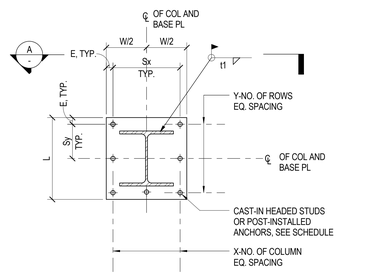
Agreement #: Ag-5097 - Page 370
Approved as to Form
5 29

NOTE: REFER TO DETAIL 03 AND 05 FOR SCHEDULE

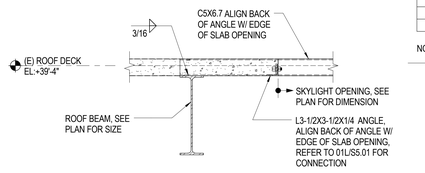


A COLUMN BASE PLATE ELEVATION DETAIL



B COLUMN BASE PLATE PLAN DETAIL

TYPICAL COLUMN CONNECTION DETAILS
1" = 1'-0" 33



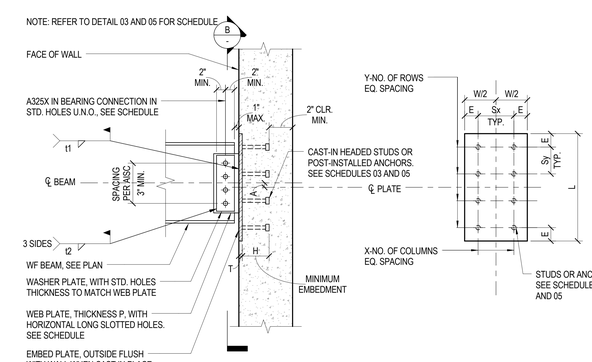
SECTION DETAIL AT SKYLIGHT OPENING
3/4" = 1'-0" 28

EMBED PLATE SCHEDULE

BEAM OR COLUMN SIZE	EMBED PLATE					HEADED STUDS								WEB/WASHER PLATE (BEAM ONLY)			BOLTS (BEAM ONLY)	REMARKS
	WIDTH	LENGTH	THICKNESS	OFFSET DIM.	WELD LEG	TYPE	DIA.	NO. OF COLUMNS	NO. OF ROWS	MIN. SPACING	MIN. SPACING	MIN. EMBED	MIN. EDGE DIST.	THICKNESS	WELD LEG	WELD LEG	A325X	
	W	L	T	A	t1			X	Y	Sx	Sy	H	E	P	t1	t2		
	(IN)	(IN)	(IN)	(IN)	(IN)		(IN)			(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)		
HSS6x6x1/4	-	-	-	-	1/ 8	-	-	-	-	-	-	-	-	-	-	-	-	BASE WELDED DIRECTLY TO BEAM AT LOWER ROOF
HSS14x0.625B	SEE DETAIL 04/S5.06													-	-	-	-	-
HSS14x0.625C	SEE DETAIL 05/S5.06													-	-	-	-	BASE PL ORIENTED IN THE N/S DIRECTION
HSS14x0.625D	SEE DETAIL 15/S5.05													-	-	-	-	-
W12x72H	SEE DETAIL 25/S5.05													-	-	-	-	-

NOTE: FOR BRACED-BAYS, WIDTH IS MEASURED PERPENDICULAR TO THE BRACE DIRECTION AND LENGTH IS MEASURED PARALLEL TO THE BRACE DIRECTION U.N.O.

EMBED PLATE SCHEDULE
12" = 1'-0" 05



A BEAM CONNECTION DETAIL

B ELEVATION ON EMBED OR ANCHOR PLATE

TYPICAL BEAM EMBED PLATE AND POST-INSTALLED ANCHOR PLATE DETAIL
N.T.S. 21

POST-INSTALLED ANCHOR PLATE SCHEDULE

BEAM OR COLUMN SIZE	PLATE					ANCHORS								WEB/WASHER PLATE (BEAM ONLY)			BOLTS (BEAM ONLY)	REMARKS
	WIDTH	LENGTH	THICKNESS	OFFSET DIM.	WELD LEG	TYPE	DIA.	NO. OF COLUMNS	NO. OF ROWS	MIN. SPACING	MIN. SPACING	MIN. EMBED	MIN. EDGE DIST.	THICKNESS	WELD LEG	WELD LEG	A325X	
	W	L	T	A	t1			X	Y	Sx	Sy	H	E	P	t1	t2		
	(IN)	(IN)	(IN)	(IN)	(IN)		(IN)			(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)		
HSS5x3x1/2A	7	13	0.5	-	1/ 4	KWIK BOLT TZ - CS, OR EQUIVALENT	3/ 8	2	2	3	9	2.0	2.0	-	-	-	-	W IS MEASURED IN THE E-W DIRECTION, L IS MEASURED IN THE N-S DIRECTION
HSS5x3x1/2B	7	32	0.75	-	1/ 4	HIT-HY 200 + HAS B7, OR EQUIVALENT	1-1/4	1	4	-	9	16.25	2.5	-	-	-	-	-
HSS8x8x5/8A	15	15	0.5	-	1/ 4	KWIK BOLT TZ - CS, OR EQUIVALENT	3/ 8	2	2	11	11	2.0	2.0	-	-	-	-	-
HSS8x8x5/8B	12	40	1.0	-	1/ 4	HIT-HY 200 + HAS B7, OR EQUIVALENT	1-1/4	1	5	-	8.75	24.5	2.5	-	-	-	-	ANCHORS MAY BE OFFSET A MAX. OF 1 IN. TO ACCOMMODATE GUSSET PLATE
HSS8x8x5/8C	SEE DETAIL 03/S5.06													-	-	-	-	-
HSS8x8x5/8D	SEE DETAIL 03/S5.06													-	-	-	-	-
HSS10x0.5	14	14	0.5	-	1/ 4	KWIK BOLT TZ - CS, OR EQUIVALENT	3/ 8	2	2	10	10	2.0	2.0	-	-	-	-	-
HSS12.75x0.25	16	16	0.5	-	1/ 8	KWIK BOLT TZ - CS, OR EQUIVALENT	3/ 8	2	2	12	12	2.0	2.0	-	-	-	-	-
HSS12.75x0.5	SEE DETAIL 06/S5.06													-	-	-	-	-
HSS14x0.625A	18	18	0.5	-	1/ 4	KWIK BOLT TZ - CS, OR EQUIVALENT	1/ 2	2	2	14	14	3.25	2.0	-	-	-	-	-
HSS14x0.625C	SEE DETAIL 05/S5.06													-	-	-	-	-
HSS14X6X5/8	8	36	0.5	-	1/ 4	HIT-HY 200 + HAS B7, OR EQUIVALENT	1/ 2	1	4	7	-	4.0	4.0	-	-	-	-	18.0 IN SPACING BTW MIDDLE TWO ANCHORS
W12x72A	14	14	0.5	-	1/ 4	KWIK BOLT TZ - CS, OR EQUIVALENT	3/ 8	2	2	10	6	2.0	2.0	-	-	-	-	-
W12x72B	28	28	1.0	-	1/ 4	HSL-3 M12, OR EQUIVALENT	-	4	3	8	12	3.15	2.0	-	-	-	-	W IS MEASURED IN THE E-W DIRECTION, L IS MEASURED IN THE N-S DIRECTION
W12x72C	23	77	1.0	-	1/ 4	HIT-HY 200 + HAS B7, OR EQUIVALENT	1-1/4	2	4	18	24	15.125	2.5	-	-	-	-	-
W12x72D	SEE DETAIL 31/S5.05													-	-	-	-	-
W12x72E	14	22	1.0	-	1/ 4	HSL-3 M12, OR EQUIVALENT	-	2	3	10	9	3.15	2.0	-	-	-	-	-
W12x72F	14	14	0.75	-	1/ 4	KWIK BOLT TZ - CS, OR EQUIVALENT	3/ 8	2	2	10	6	2.0	2.0	-	-	-	-	-
W12x72G	SEE DETAIL 02/S5.06													-	-	-	-	-

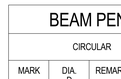
NOTE: FOR BRACED-BAYS, WIDTH IS MEASURED PERPENDICULAR TO THE BRACE DIRECTION AND LENGTH IS MEASURED PARALLEL TO THE BRACE DIRECTION (U.N.O.)

POST-INSTALLED ANCHOR PLATE SCHEDULE
12" = 1'-0" 03

BEAM PENETRATION SCHEDULE

CIRCULAR			RECTANGULAR			
MARK	DIA. D (IN)	REMARKS	MARK	WIDTH W (IN)	HEIGHT H (IN)	REMARKS
6B	6		12x6C	12	6	3" CORNER RADIUS
4B	4					

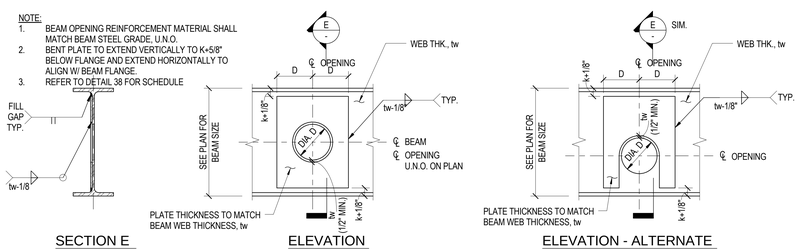
NOTES:
1. SEE PLAN FOR BEAM PENETRATION MARK AND TYPE DENOTED AS FOLLOWS; WHERE, "3" DENOTES DESIGNATION PER SCHEDULE "E" DENOTES TYPE PER DETAILS 01/- AND 02/- "60'-0" DENOTES THE ELEVATION TO CENTER LINE OF OPENING. WHERE BLANK OR "-", LOCATE AT CENTER LINE OF BEAM DEPTH. NOTCH BOTTOM OF BEAM AT TYPE D PENETRATION.



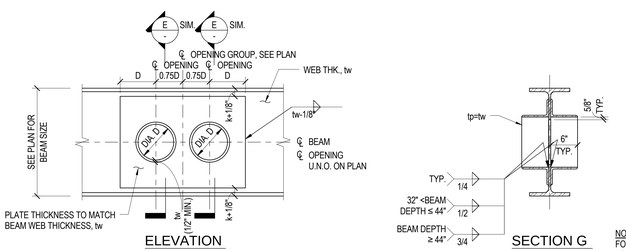
2. PRIOR TO FABRICATION, G.C. TO VERIFY BEAM PENETRATION LOCATIONS AND TYPES WITH RELATED ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS.
3. NO ADDITIONAL PENETRATIONS ARE PERMITTED WITHOUT REVIEW AND APPROVAL BY THE ARCHITECT.

BEAM PENETRATION SCHEDULE
N.T.S. 38

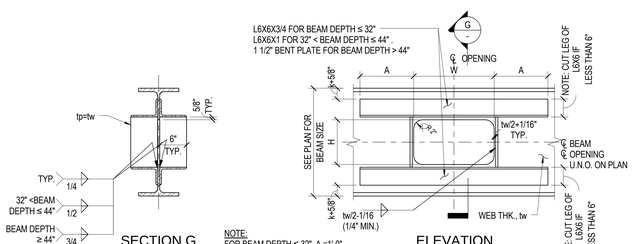
NOTE:
1. BEAM OPENING REINFORCEMENT MATERIAL SHALL MATCH BEAM STEEL GRADE, U.N.O.
2. BENT PLATE TO EXTEND VERTICALLY TO K+5/8" BELOW FLANGE AND EXTEND HORIZONTALLY TO ALIGN W/ BEAM FLANGE.
3. REFER TO DETAIL 38 FOR SCHEDULE



E TYPE E



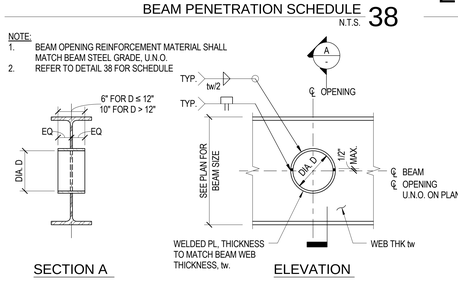
F TYPE F



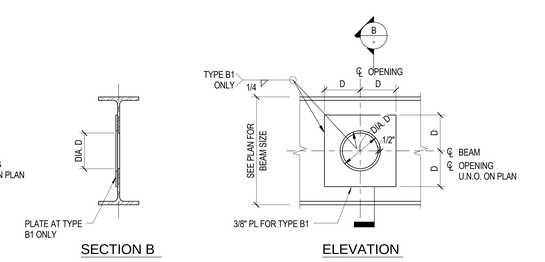
G TYPE G

TYPICAL BEAM OPENINGS IN MOMENT / BRACED FRAME BEAMS
N.T.S. 02

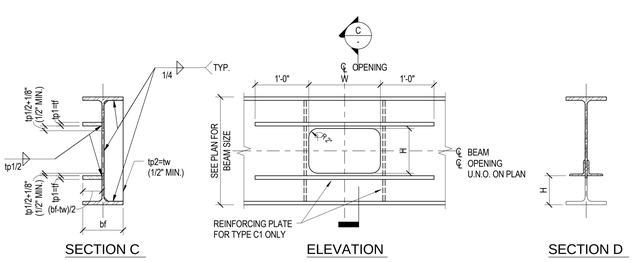
NOTE:
1. BEAM OPENING REINFORCEMENT MATERIAL SHALL MATCH BEAM STEEL GRADE, U.N.O.
2. REFER TO DETAIL 38 FOR SCHEDULE



A TYPE A



B TYPE B AND B1



C TYPE C AND C1

D TYPE D

TYPICAL BEAM OPENINGS IN NON-MOMENT / NON-BRACED FRAME BEAMS
N.T.S. 01

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL
580 PACIFIC STREET, MONTEREY, CA 93940
TEL: (831) 646-5601

Architect / Engineer:

SOM
SKIDMORE, OWINGS & MERRILL LLP
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SAN FRANCISCO, CA 94111

Consultants:

Issued For:

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	90% PROJECT COMPLETION	28 JULY 2015
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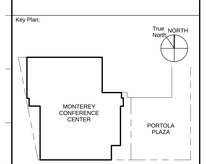
2	ADDENDUM 2	18 SEP 2015

Key Plan:



Seal & Signature:

REGISTERED PROFESSIONAL ENGINEER
MARK P. SARASIN
No. S 4639
Exp. 6/30/2017
STRUCTURAL
STATE OF CALIFORNIA

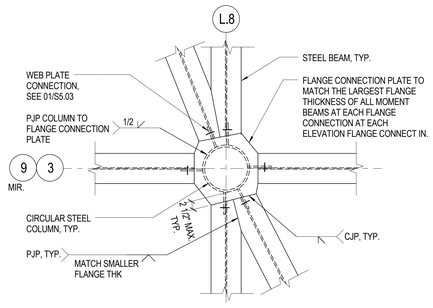
Sheet Name:

TYPICAL STEEL DETAILS II

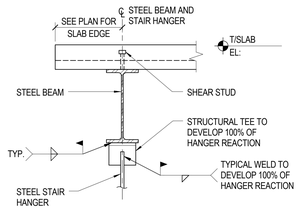
Project No.:	215904	Sheet No.:
Drawn By:	TEAM	S5.02
Checked By:	LEAD	
Scale:	As indicated	

9/17/2015 5:34:12 PM

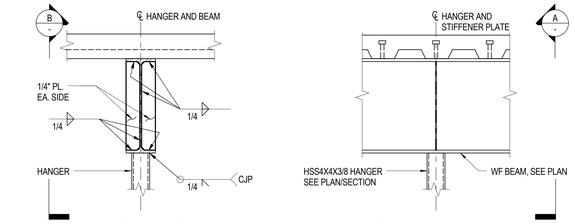
Agreement #: Ag-5097 - Page 370
Approved as to Form
Date 9/29



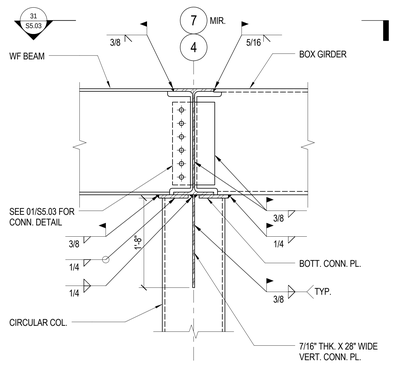
TYPICAL SIX BEAM MOMENT CONNECTION AT CIRCULAR COLUMN 35
N.T.S.



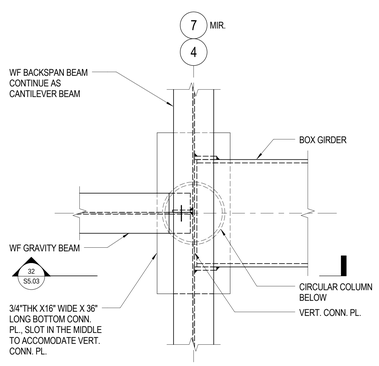
TYPICAL STEEL STAIR HANGER SUPPORT DETAIL 34
N.T.S.



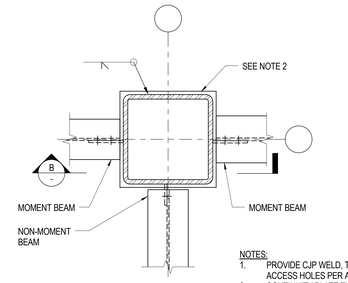
TYPICAL HSS HANGER SUPPORT DETAIL 33
N.T.S.



SECTION DETAIL OF BOX GIRDER TO CIRCULAR COLUMN 32
N.T.S.



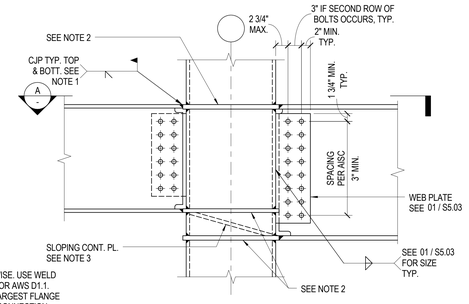
PLAN DETAIL OF BOX GIRDER TO CIRCULAR COLUMN 31
N.T.S.



NOTES:
1. PROVIDE CJP WELD, TYPICAL, UNLESS NOTED OTHERWISE. USE WELD ACCESS HOLES PER AISC 360 FIG. C-J1.2 ALTERNATE 1 OR AWS D1.1.
2. CONTINUITY PLATE THICKNESS (tc) IS TO MATCH THE LARGEST FLANGE THICKNESS OF ALL MOMENT BEAMS AT EACH FLANGE CONNECTION.
3. WHEN DIM "X" IS LESS THAN OR EQUAL TO 3" (NOMINAL) PROVIDE A SINGLE SLOPED CONTINUITY PLATE AS SHOWN IN DASHED LINES.
4. FOR BOLTS, SEE SCHEDULE 01 / S5.03 , U.N.O.
5. FOR GIRDER AND COLUMN SIZES, SEE PLAN.
6. DETAIL SIMILIARILY APPLIES FOR CIRCULAR STEEL COLUMN.

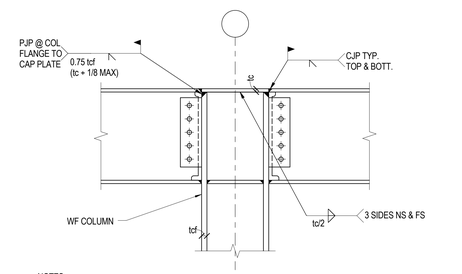
A PLAN

INDICATED ON PLANS THUS:



B ELEVATION

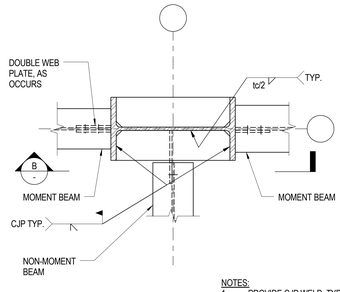
TYPICAL MOMENT CONNECTION AT RECTANGULAR, CIRCULAR HSS COLUMN 12
N.T.S.



NOTES:
1. PROVIDE CJP WELD, TYPICAL, UNLESS NOTED OTHERWISE. USE WELD ACCESS HOLES PER AISC 360 FIG. C-J1.2 ALTERNATE 1 OR AWS D1.1.
2. CONTINUITY PLATE THICKNESS (tc) IS TO MATCH THE LARGEST FLANGE THICKNESS OF ALL MOMENT BEAMS AT EACH FLANGE CONNECTION.
3. FOR BOLTS, SEE SCHEDULE 01 / S5.03 , U.N.O.
4. FOR GIRDER AND COLUMN SIZES, SEE PLAN.

INDICATED ON PLANS THUS:

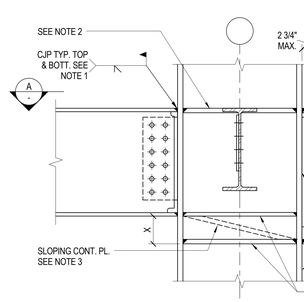
TYPICAL MOMENT CONNECTION AT COLUMN CAP PLATE 06
N.T.S.



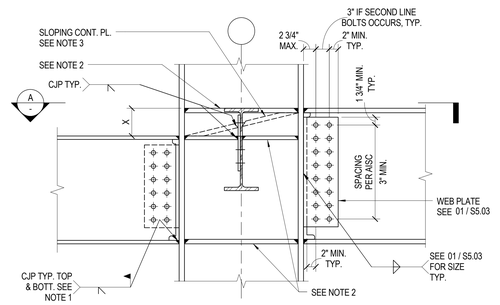
NOTES:
1. PROVIDE CJP WELD, TYPICAL, UNLESS NOTED OTHERWISE. USE WELD ACCESS HOLES PER AISC 360 FIG. C-J1.2 ALTERNATE 1 OR AWS D1.1.
2. CONTINUITY PLATE THICKNESS (tc) IS TO MATCH THE LARGEST FLANGE THICKNESS OF ALL MOMENT BEAMS AT EACH FLANGE CONNECTION.
3. WHEN DIM "X" IS LESS THAN OR EQUAL TO 3" (NOMINAL) PROVIDE A SINGLE SLOPED CONTINUITY PLATE AS SHOWN IN DASHED LINES.
4. FOR BOLTS, SEE SCHEDULE 01 / S5.03 , U.N.O.
5. FOR GIRDER AND COLUMN SIZES, SEE PLAN.

A PLAN

INDICATED ON PLANS THUS:

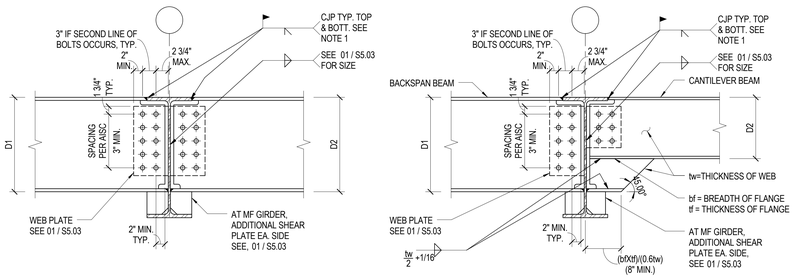


B ELEVATION



C ELEVATION

TYPICAL MOMENT CONNECTION AT COLUMN FLANGE 04
N.T.S.



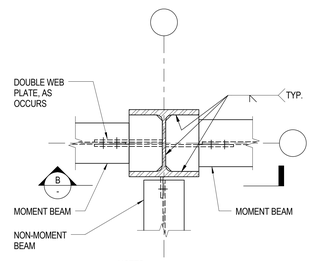
INDICATED ON PLANS THUS:

NOTES:
1. PROVIDE CJP WELD, TYPICAL, UNLESS NOTED OTHERWISE. USE WELD ACCESS HOLES PER AISC 360 FIG. C-J1.2 ALTERNATE 1 OR AWS D1.1.
2. FOR BOLTS SEE SCHEDULE 01 / S5.03, U.N.O.
3. FOR BEAM AND GIRDER SIZES, SEE PLAN.

A D1=D2

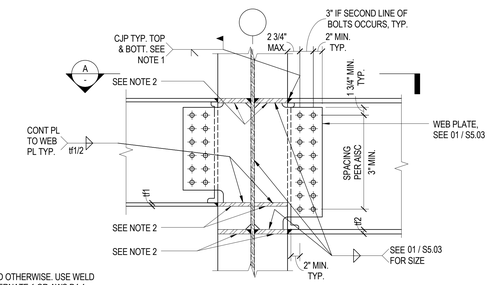
B D1>D2

TYPICAL CANTILEVER BEAM TO GIRDER CONNECTION DETAIL 08
N.T.S.



NOTES:
1. PROVIDE CJP WELD, TYPICAL, UNLESS NOTED OTHERWISE. USE WELD ACCESS HOLES PER AISC 360 FIG. C-J1.2 ALTERNATE 1 OR AWS D1.1.
2. CONTINUITY PLATE THICKNESS (tc) IS TO MATCH THE LARGEST FLANGE THICKNESS OF ALL MOMENT BEAMS AT EACH FLANGE CONNECTION.
3. FOR BOLTS SEE SCHEDULE 01 / S5.03, U.N.O.
4. FOR GIRDER AND COLUMN SIZES, SEE PLAN.

INDICATED ON PLANS THUS:



A PLAN

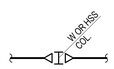
B ELEVATION

TYPICAL MOMENT CONNECTION AT COLUMN WEB 07
N.T.S.

SLIP-CRITICAL SHEAR CONNECTION SCHEDULE

	SECTION DESIGNATION	CONNECTION TYPE	BOLT TYPE	MIN. PRETENSION FORCE (KIPS)	NUMBER AND SIZE OF BOLTS IN BEAM WEB	BOLT PATTERN	WEB PLATE THICKNESS (IN)	WELD SIZE (IN)	FAYING SURFACE	REMARKS
	2L4x4x1/4	SLIP-CRITICAL	A325X	51	2-1"DIA.	2-LINES	3/ 4	5/16	CLASS A	-
	2L5x5x5/8	SLIP-CRITICAL	A325X	51	2-1"DIA.	2-LINES	3/ 4	5/16	CLASS A	-
	T7x34	-	-		-	-	-	-	-	REFER TO DETAIL 04, 10/SS.30 FOR CONNECTION
	BOX24x24x3/4	-	-		-	-	-	-	-	REFER TO DETAIL 32/S5.03 FOR CONNECTION
2	CR11.5	SLIP-CRITICAL	A325X	51	2-1" DIA.	1-LINE	1/ 4	3/16	CLASS A	-
	W16x19	SLIP-CRITICAL	A490X	64	2-1" DIA.	1-LINE	1/ 4	3/16	CLASS A	-
	W12x30	SLIP-CRITICAL	A490X	64	3-1" DIA.	1-LINE	1/ 4	3/16	CLASS A	-
	W12x50	SLIP-CRITICAL	A490X	64	3-1" DIA.	1-LINE	1/ 4	3/16	CLASS A	-
	C12X30	SLIP-CRITICAL	A490X	64	3-1" DIA.	1-LINE	9/16	3/ 8	CLASS A	DOUBLE WEB PLATE
	W18X71	SLIP-CRITICAL	A490X	64	5-1" DIA.	1-LINE	9/16	3/ 8	CLASS A	DOUBLE WEB PLATE
	W21X73	SLIP-CRITICAL	A490X	64	6-1" DIA.	1-LINE	1/ 2	5/16	CLASS A	DOUBLE WEB PLATE
	W24x55	SLIP-CRITICAL	A490X	64	7-1" DIA.	1-LINE	1/ 2	5/16	CLASS B	-
	W24x68	SLIP-CRITICAL	A490X	64	7-1" DIA.	1-LINE	1/ 2	5/16	CLASS B	-
	W24x84	SLIP-CRITICAL	A490X	64	7-1" DIA.	1-LINE	1/ 2	5/16	CLASS B	-

NOTE: SLIP CRITICAL CONNECTIONS ARE DESIGNATED IN PLAN BY THE SUFFIX "SC" AND/OR THE FOLLOWING MOMENT-CONNECTION SYMBOL:



SLIP CRITICAL SHEAR CONNECTION SCHEDULE 01
N.T.S.

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL
580 PACIFIC STREET, MONTEREY, CA 93940
TEL: (831) 646-5601

Architect / Engineer:

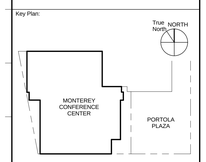
SOM
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

Consultants:

Issued For:

No.	Description:	Date:
	60% PROJECT COMPLETION	15 MAY 2015
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015
2	ADDENDUM 2	18 SEP 2015

Key Plan:



Seal & Signature:

REGISTERED PROFESSIONAL ENGINEER
MARK P. SARVISION
No. S 4639
Exp. 6/30/2017
STRUCTURAL
STATE OF CALIFORNIA

Sheet Name:

TYPICAL STEEL DETAILS III

Project No.:	215004
Drawn By:	TEAM
Checked By:	LEAD
Scale:	As indicated
Sheet No.:	S5.03

9/17/2015 6:24:14 PM

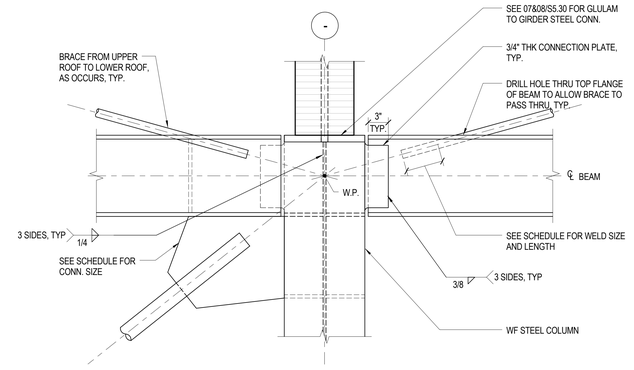
Agreement #: Ag-5097 - Page 371
Approved as to Form
CAO
CMO
3 2 9

NOTE:

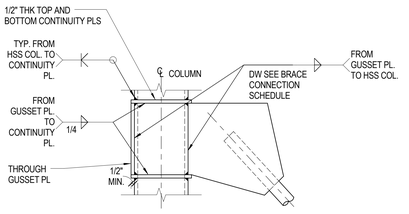
LOCATED (E) REINFORCEMENT AND PT TENDONS FIRST, VERIFY THE LOCATIONS AND PROPOSE RE-LOCATIONS AS NECESSARY FOR ALL DRILLED ANCHOR PRIOR TO SHOP DRAWING PREPARATION AND FABRICATION

BRACE CONNECTION SCHEDULE

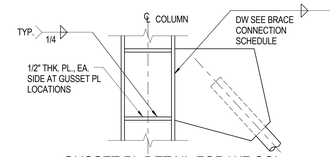
LOCATION	ELEVATION	SECTION	DETAIL REFERENCE	LOWER CONNECTION					UPPER CONNECTION					REMARKS
				GUSSET PLATE DIMENSIONS (in)			WELD SIZE (in)		GUSSET PLATE DIMENSIONS (in)			WELD SIZE (in)		
				A	B	tPL	Lw	Dw	A	B	tPL	Lw	Dw	
A.1/8.7-9	L2-Lower RF	1" ROD	12/S3.11	14 5/8	4 1/8	1/4	3	1/ 8	11 5/8	4 4/8	1/4	3	1/8	-
A.1/8.7	Lower RF-Upper RF	1" ROD	12/S3.11	4 2/8	7 2/8	1/4	3	1/ 8	2 6/8	8 1/8	1/4	3	1/8	-
A.1/9	Lower RF-Upper RF	1" ROD	12/S3.11	3 7/8	4 6/8	1/4	3	1/ 8	4 5/8	4 4/8	1/4	3	1/8	-
A.3/7.5	L2-Lower RF	1" ROD	06/S3.11	6 6/8	5 4/8	1/4	3	1/ 8	4 6/8	5 5/8	1/4	3	1/8	-
A.3/8	L2-Lower RF	1" ROD	06/S3.11	5 2/8	5	1/4	3	1/ 8	3	8 6/8	3/8	3	1/4	-
B/3.5-4.5	L2-Lower RF	1-1/4" ROD	09/S3.11	9 5/8	8 2/8	3/8	7	1/ 4	9 3/8	10 2/8	3/8	7	1/4	-
J/7.5-8	Lower RF-Upper RF	1" ROD	25/S3.11	4 7/8	8 6/8	1/4	3	1/ 8	4 7/8	8 6/8	1/4	3	1/8	-
8/A.3-A.7	Lower RF-Upper RF	1" ROD	21/S3.11	5 1/8	9 5/8	1/4	3	1/ 8	5 1/8	9 5/8	1/4	3	1/8	-
8/A.7-B	Lower RF-Upper RF	1" ROD	21/S3.11	5 5/8	11 2/8	1/4	3	1/ 8	5 5/8	11 2/8	1/4	3	1/8	-
8/B-C.6	Lower RF-Upper RF	1" ROD	21/S3.11	6	15 6/8	1/4	3	1/ 8	6	15 6/8	1/4	3	1/8	-
8/C.6-D	Lower RF-Upper RF	1" ROD	21/S3.11	5 1/8	11 1/8	1/4	3	1/ 8	5 1/8	11 1/8	1/4	3	1/8	-
8/J	Lower RF-Upper RF	1" ROD	38/S3.11	6	15 6/8	1/4	3	1/ 8	3	17 5/8	1/4	3	1/8	-
8/J.5	Lower RF-Upper RF	1" ROD	38/S3.11	4 4/8	9 2/8	1/4	3	1/ 8	6	8 6/8	1/4	3	1/8	-
8.7/A.1-A.3	Lower RF-Upper RF	1" ROD	37/S3.11	6 1/8	15	1/4	3	1/ 8	6 1/8	15	1/4	3	1/8	-
9/L.1	L2-Lower RF	2-1/4" ROD	32/S3.11	22 2/8	19 6/8	5/8	17	1/ 4	21 6/8	36 5/8	5/8	17	1/4	-
9/L.8	L2-Lower RF	2-1/4" ROD	32/S3.11	16 4/8	10 4/8	5/8	12	3/ 8	17	28 2/8	5/8	12	3/8	-
K/2.7	Lower RF-Upper RF	1-3/8" ROD	07/S3.11	10 4/8	15	3/8	8	1/ 4	10 5/8	16 3/8	3/8	8	1/4	-
K/3.4	Lower RF-Upper RF	1-3/8" ROD	07/S3.11	10 4/8	17	3/8	8	1/ 4	10 3/8	15 6/8	3/8	8	1/4	-
K/5.8	Lower RF-Upper RF	1-3/8" ROD	07/S3.11	10 7/8	17 6/8	3/8	8	1/ 4	10 5/8	16 3/8	3/8	8	1/4	-
K/6.4	Lower RF-Upper RF	1-3/8" ROD	07/S3.11	10 5/8	15 6/8	3/8	8	1/ 4	10 7/8	17 1/8	3/8	8	1/4	-
9.3/B.5-C	L2-Lower RF	1-1/8" ROD N	33/S3.11	9 1/8	7 5/8	3/8	6	1/ 4	7 1/8	9 1/8	3/8	6	1/4	-
6.4/H-J	Lower RF-Upper RF	1-1/4" ROD	24/S3.11	-	-	-	7	1/ 4	-	-	-	7	1/4	SEE DETAIL 10/SS.30, 05/SS.05
6.4/D-E	Lower RF-Upper RF	1-1/4" ROD	24/S3.11	-	-	-	7	1/ 4	-	-	-	7	1/4	SEE DETAIL 10/SS.30, 05/SS.05
6.4/F-G	Lower RF-Upper RF	1-1/4" ROD	24/S3.11	-	-	-	7	1/ 4	-	-	-	7	1/4	SEE DETAIL 10/SS.30, 05/SS.05
C/3.5-4.5	L2-Lower RF	1-1/2" ROD	03/S3.11	10 7/8	9 2/8	1/2	8	1/ 4	9 7/8	15 6/8	1/2	8	1/4	-
C/3.5	Lower RF-Upper RF	1-1/4" ROD	03/S3.11	9 7/8	31 4/8	3/8	7	1/ 4	9	30	3/8	6	1/4	-
C/4.5 South	Lower RF-Upper RF	1-1/4" ROD	03/S3.11	9 7/8	33 5/8	3/8	7	1/ 4	9	31 7/8	3/8	6	1/4	-
C/4.5 North	Lower RF-Upper RF	1-1/4" ROD	03/S3.11	9 7/8	32 7/8	3/8	7	1/ 4	9	28 1/8	3/8	6	1/4	-
C/5.5	Lower RF-Upper RF	1-1/4" ROD	03/S3.11	9 7/8	31 4/8	3/8	7	1/ 4	9	29 2/8	3/8	6	1/4	-
C/4.5-5.5	L2-Lower RF	1-1/2" ROD	03/S3.11	10 7/8	9 2/8	1/2	8	1/ 4	9 7/8	15 6/8	1/2	8	1/4	-
2.7/E-H	Lower RF-Upper RF	1-3/8" ROD	23/S3.11	-	-	-	8	3/ 8	-	-	-	8	3/8	SEE DETAIL 10/SS.30, 05/SS.05
B/4.5-5.5	L2-Lower RF	1-1/4" ROD	09/S3.11	9 7/8	8 4/8	1/2	7	3/ 8	9 5/8	11 1/8	1/2	7	3/8	-
6.4/D-E	L2-Lower RF	1-1/2" ROD	24/S3.11	13 1/8	8 2/8	1/2	8	3/ 8	10 3/8	9 7/8	1/2	8	3/8	-
2.7/E-H	L2-Lower RF	2-1/2" ROD	23/S3.11	18 3/8	14 1/8	3/4	14	3/ 8	18 2/8	25 6/8	7/8	17	3/8	-
K/2.7-3.4	L2-Lower RF	2-1/4" ROD	07/S3.11	26 6/8	15 5/8	1/2	12	1/ 4	21 6/8	16 1/8	5/8	12	1/4	-
L.8/3-4	L2-Lower RF	2-3/8" ROD	18/S3.11	19 2/8	11 6/8	3/4	13	3/ 8	16 3/8	24 7/8	3/4	14	3/8	-
L.8/8-9	L2-Lower RF	2-3/8" ROD	01/S3.11	19 4/8	11 6/8	3/4	13	3/ 8	16 2/8	24 1/8	3/4	14	3/8	-
6.4/F-G	L2-Lower RF	1-1/2" ROD	24/S3.11	13	8 2/8	1/2	8	1/ 4	9 7/8	12	1/2	8	1/4	-
6.4/H-J	L2-Lower RF	2-1/4" ROD	24/S3.11	16 6/8	12 1/8	5/8	12	3/ 8	14 2/8	16 5/8	3/4	12	3/8	-
E/6.4-6.7	L2-Lower RF	1-3/8" ROD	17/S3.11	21 7/8	8 7/8	3/8	8	1/ 4	16 6/8	8 6/8	3/8	8	1/4	-
G/6.4-6.7	L2-Lower RF	1-3/8" ROD	11/S3.11	21 7/8	8 7/8	3/8	8	1/ 4	16 6/8	8 6/8	3/8	8	1/4	-
H/6.4-6.7	L2-Lower RF	1-3/8" ROD	05/S3.11	21 2/8	8 7/8	3/8	8	1/ 4	16 1/8	8 7/8	3/8	8	1/4	-
K/5.8	L2-Lower RF	2-1/4" ROD	07/S3.11	18 4/8	13 2/8	5/8	12	3/ 8	18 5/8	16	3/4	12	3/8	-
K/6.4	L2-Lower RF	2-1/4" ROD	07/S3.11	20 4/8	13 1/8	5/8	12	3/ 8	20 5/8	15 7/8	3/4	12	3/8	-
D/9.9	L2-Lower RF	1-3/8" ROD	20/S3.11	10 1/8	8 3/8	1/2	8	1/ 4	12 4/8	9 1/8	1/2	8	1/4	-
D/10.4	L2-Lower RF	1-3/8" ROD	20/S3.11	12 4/8	9 1/8	1/2	8	1/ 4	10 1/8	8 3/8	1/2	8	1/4	-
E/10.3	L2-Lower RF	1-3/8" ROD	08/S3.11	11 2/8	8 6/8	1/2	8	1/ 4	7 7/8	16 7/8	1/2	14	3/8	-
E/10.6	L2-Lower RF	1-3/8" ROD	08/S3.11	10 2/8	9 6/8	1/2	8	1/ 4	14 7/8	10 6/8	1/2	9	1/4	-
F/10.4	L2-Lower RF	1-3/8" ROD	02/S3.11	10 2/8	9 6/8	1/2	8	1/ 4	8 2/8	5 1/8	1/2	9	1/4	-
F/10.75	L2-Lower RF	1-3/8" ROD	02/S3.11	12 4/8	10 1/8	1/2	8	1/ 4	11 3/8	9 2/8	1/2	9	1/4	-
6.8/B.5	L2-Lower RF	1-1/8" ROD	31/S3.11	18 5/8	10 7/8	1/4	7	1/ 8	15 1/8	10 5/8	1/4	7	1/8	-
6.8/C	L2-Lower RF	1-1/8" ROD	31/S3.11	18 2/8	10 5/8	1/4	7	1/ 8	14 6/8	10 6/8	1/4	7	1/8	-



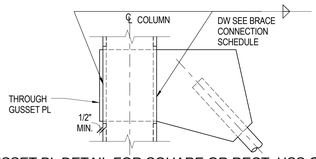
BRACE TO COLUMN CONNECTION ON LINE 2.7 AND 6.4 NTS 05



GUSSET PL DETAIL FOR ROUND HSS COL. N.T.S. 36

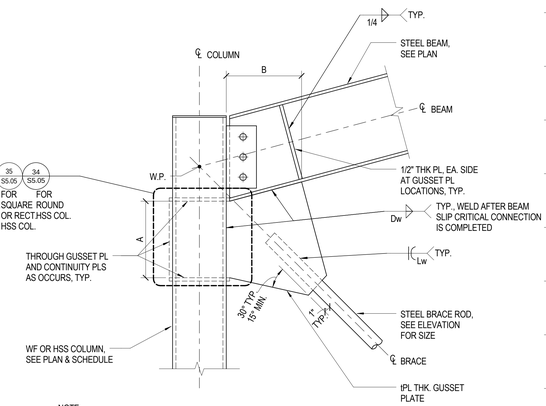


GUSSET PL DETAIL FOR WF COL. N.T.S. 34



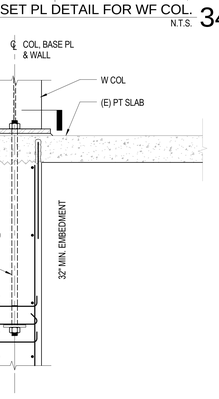
GUSSET PL DETAIL FOR SQUARE OR RECT. HSS COL. N.T.S. 35

BRACE CONNECTION SCHEDULE 12" = 1'-0" 16

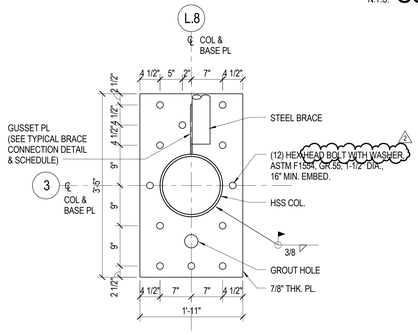


NOTE:
SEE BRACE CONNECTION SCHEDULE FOR DIMENSIONS

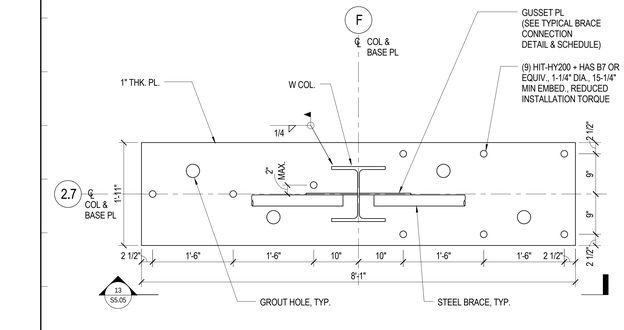
TYPICAL BRACE CONNECTION TO SLOPED BEAM NTS 04



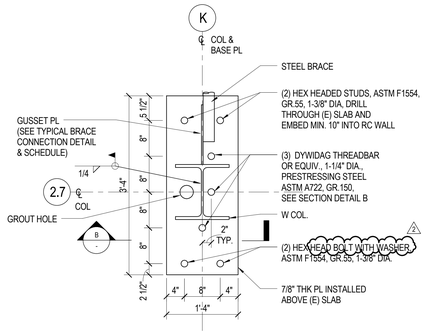
B SECTION



BASE PLATE CONNECTION PLAN DETAIL FOR HSS14X0.625D NTS 15

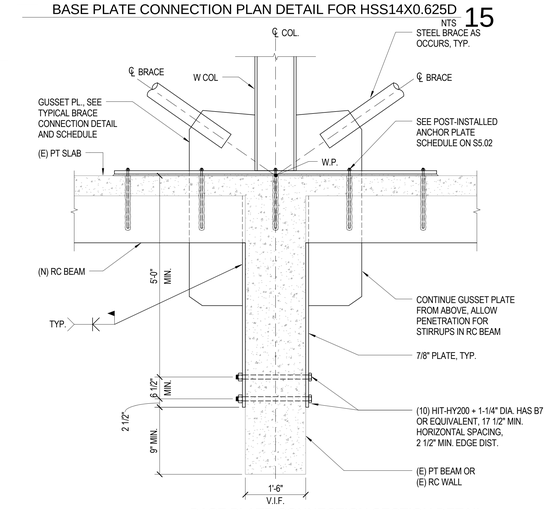


BASE PLATE CONNECTION PLAN DETAIL FOR W12X72D NTS 31

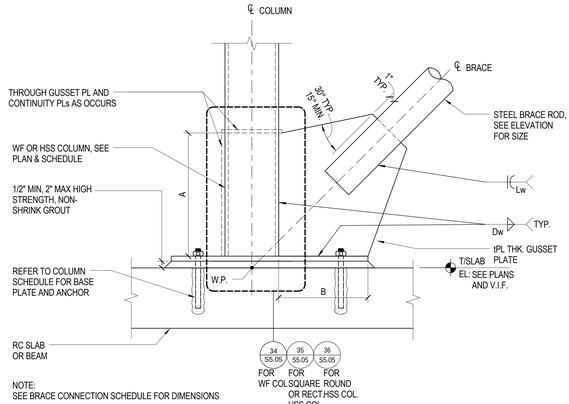


A PLAN

BASE PLATE CONNECTION DETAIL FOR W12X72H NTS 25



BASE PLATE CONNECTION SECTION DETAIL FOR W12X72B, W12X72C & W12X72D NTS 13



NOTE:
SEE BRACE CONNECTION SCHEDULE FOR DIMENSIONS

TYPICAL BRACE CONNECTION NTS 01

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL

580 PACIFIC STREET, MONTEREY, CA 93940
TEL: (831) 646-5601

Architect / Engineer:

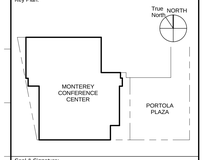
SOM
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

Consultants:

Issued For:

No.	Description:	Date:
	60% PROJECT COMPLETION	15 MAY 2015
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015
2	ADDENDUM 2	18 SEP 2015

Key Plan:



Seal & Signature:

REGISTERED PROFESSIONAL ENGINEER
MARK P. SARKISIAN
No. S 4639
Exp. 6/30/2017
STRUCTURAL
STATE OF CALIFORNIA

Sheet Name:

TYPICAL STEEL BRACE FRAME SECTIONS AND DETAILS

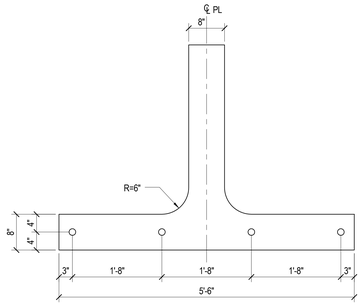
Project No.:	Sheet No.:
215004	S5.05
Drawn By: TEAM	
Checked By: LEAD	
Scale: As indicated	

W:\2015\S.8-17 PM

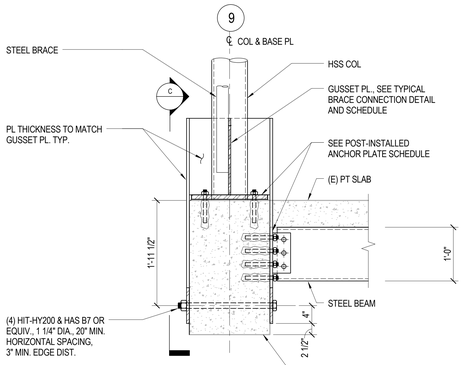
Agreement #: Ag-5097 - Page 371
Approved as to Form
Date
Atty

NOTE:

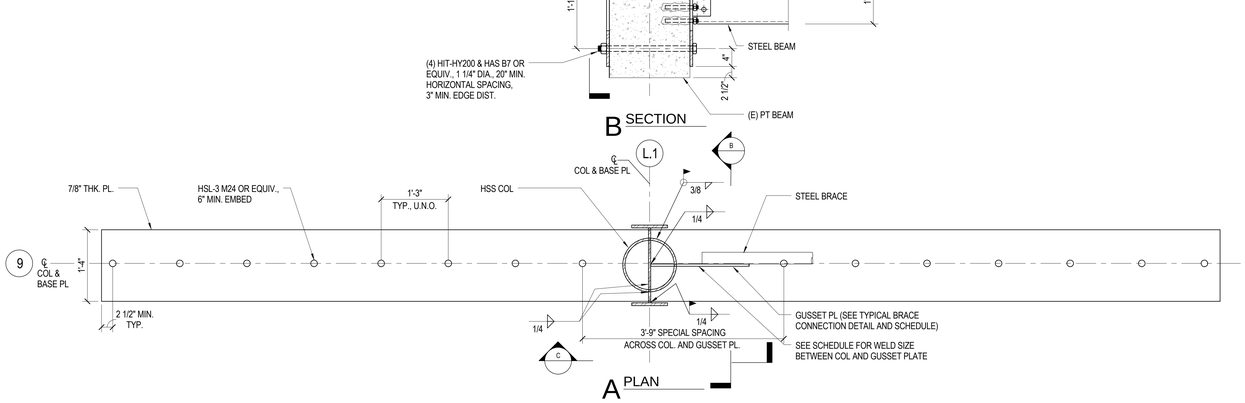
LOCATED (E) REINFORCEMENT AND PT TENDONS FIRST, VERIFY THE LOCATIONS AND PROPOSE RE-LOCATIONS AS NECESSARY FOR ALL DRILLED ANCHOR PRIOR TO SHOP DRAWING PREPARATION AND FABRICATION



C ELEVATION ON SIDE ANCHOR PLATE

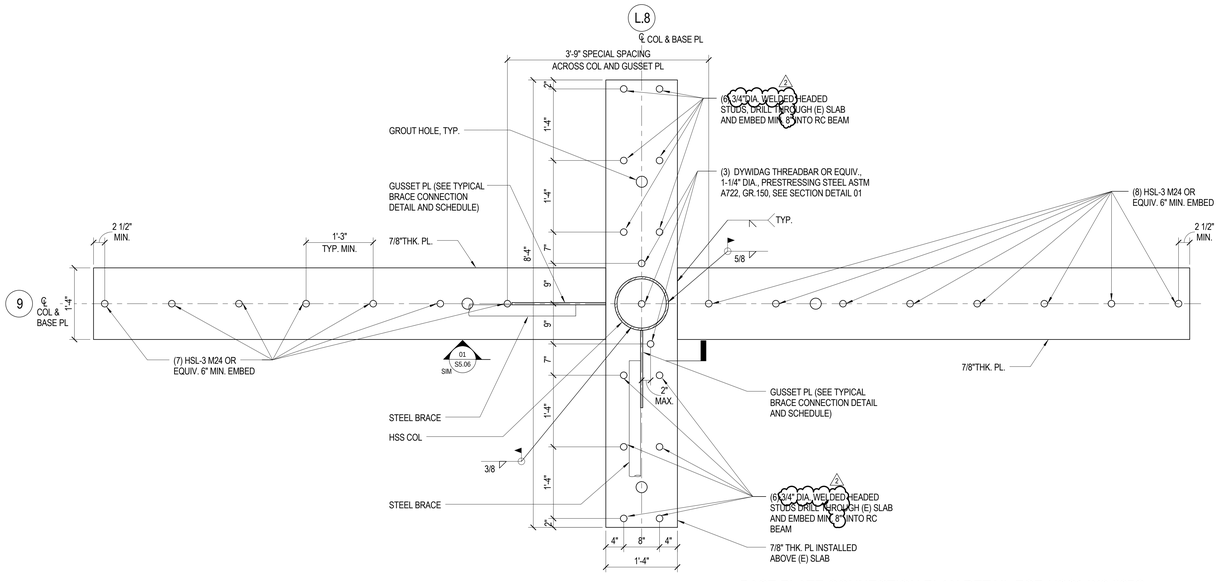


B SECTION

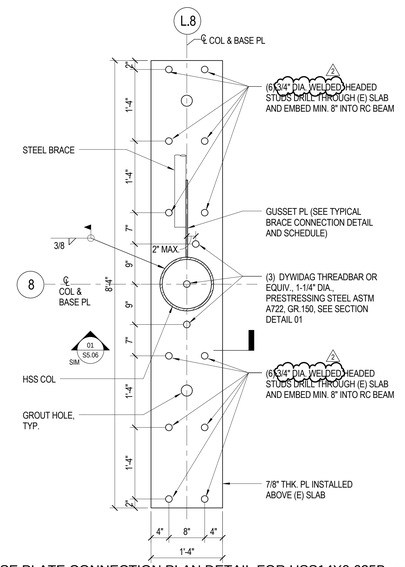


A PLAN

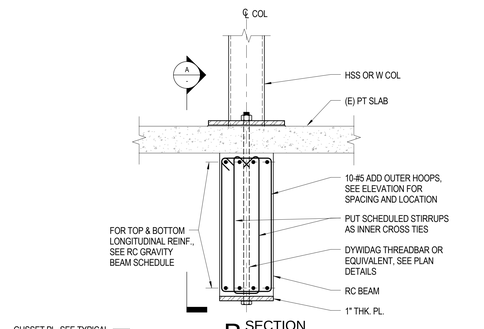
BASE PLATE CONNECTION DETAIL FOR HSS12.75X0.5
1" = 1'-0" 06



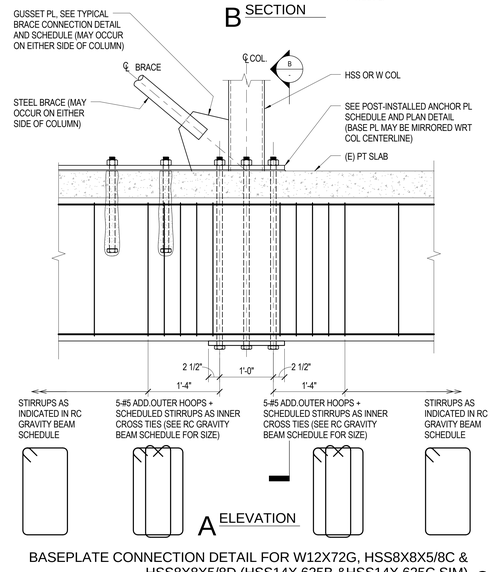
BASE PLATE CONNECTION PLAN DETAIL FOR HSS14X0.625C
1" = 1'-0" 05



BASE PLATE CONNECTION PLAN DETAIL FOR HSS14X0.625B
1" = 1'-0" 04

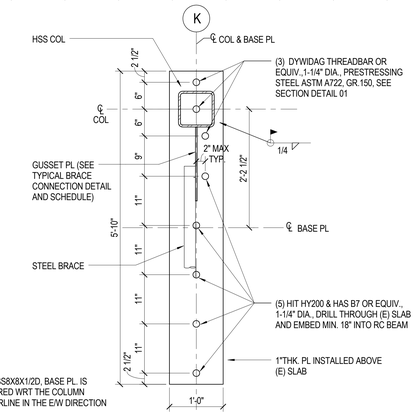


B SECTION

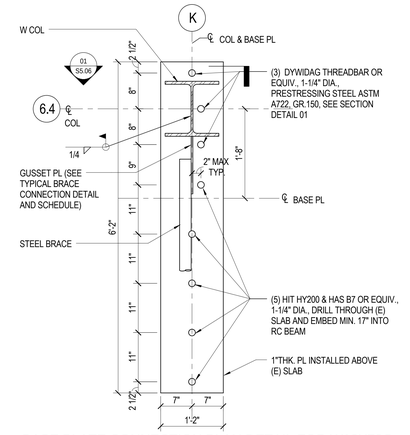


A ELEVATION

BASEPLATE CONNECTION DETAIL FOR W12X72G, HSS8X8X5/8C & HSS8X8X5/8D (HSS14X.625B &HSS14X.625C SIM)
1" = 1'-0" 01



BASE PLATE CONNECTION PLAN FOR HSS8X8X5/8C &HSS8X8X5/8D
1" = 1'-0" 03



BASE PLATE CONNECTION PLAN DETAIL FOR W12X72G
1" = 1'-0" 02

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL

580 PACIFIC STREET, MONTEREY, CA 93940
TEL: (831) 646-5601

Architect / Engineer:

SOM

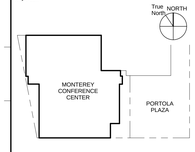
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

Consultants:

Issued For:

No.	Description:	Date:
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015
2	ADDENDUM 2	18 SEP 2015

Key Plan:



Seal & Signature:

REGISTERED PROFESSIONAL ENGINEER
MARK P. SARKISIAN
No. S 4639
Exp. 6/30/2017
STRUCTURAL
STATE OF CALIFORNIA

Sheet Name:

TYPICAL STEEL BRACE FRAME SECTIONS AND DETAILS

Project No.:	215004	Sheet No.:
Drawn By:	TEAM	S5.06
Checked By:	LEAD	
Scale:	As indicated	

9/17/2015 6:24:18 PM

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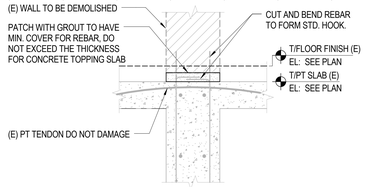
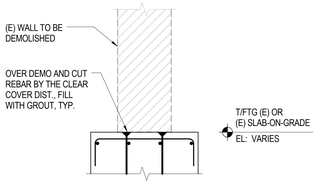
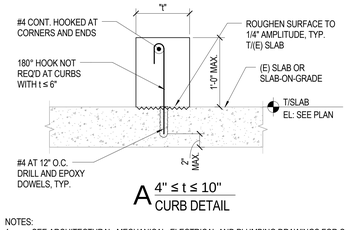
Approved as to Form (City) (Date)



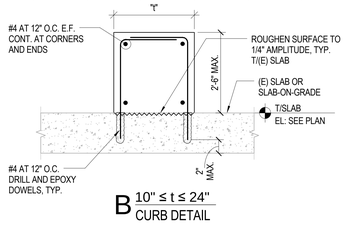
TYPICAL SILL SECTION DETAIL AT (E) WALL DEMOLITION OR (E) WALL OPENING AT INTERFACE WITH (E) PT SLAB
1" = 1'-0" 36



TYPICAL SILL SECTION DETAIL AT (E) WALL DEMOLITION OR (E) WALL OPENING AT INTERFACE WITH (E) FOOTING OR (E) SLAB-ON-GRADE
1" = 1'-0" 30



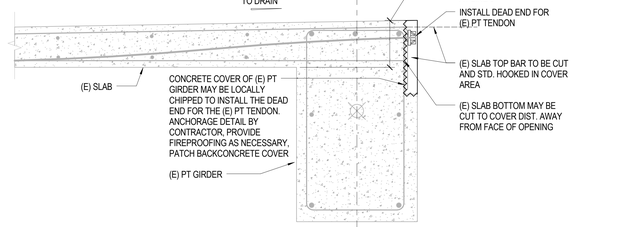
A $\frac{4" \le t \le 10"}{\text{CURB DETAIL}}$



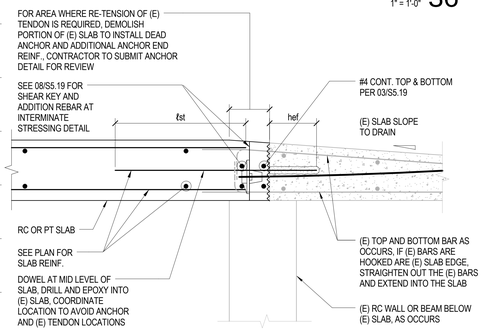
B $\frac{10" \le t \le 24"}{\text{CURB DETAIL}}$

NOTES:
1. SEE ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR CONCRETE CURB SIZES AND LOCATION.
2. THIS CURB DETAIL ALSO APPLIES TO SLAB-ON-GRADE.
3. COORDINATE REINF. LOCATIONS TO AVOID INTERFERENCE WITH INSTALLATION OF EXPANSION ANCHORS IF USED.

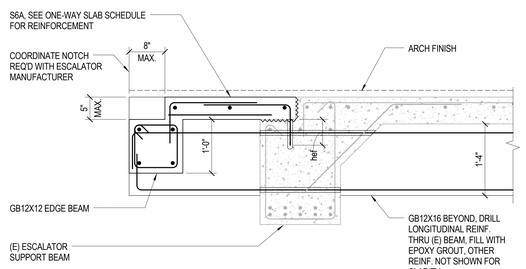
TYPICAL CONCRETE CURB ON (E) SLAB DETAIL
1 1/2" = 1'-0" 18



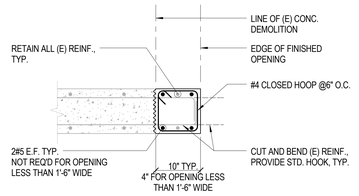
TYPICAL SECTION DETAIL OF (E) PT SLAB AT EDGE OF THE OPENING
1 1/2" = 1'-0" 06



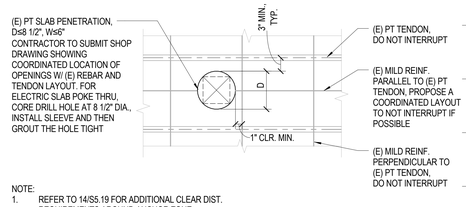
TYPICAL SECTION DETAIL OF SLAB INTERFACE AT (E) PT SLAB
1 1/2" = 1'-0" 35



SECTION VIEW OF ESCALATOR SUPPORT BEAM TO (E) ESCALATOR SUPPORT BEAM
1" = 1'-0" 23

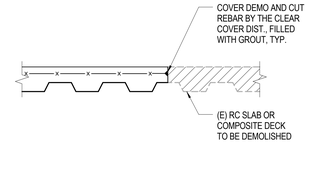


TYPICAL SECTION DETAIL OF OPENING AT (E) WALL
1" = 1'-0" 17

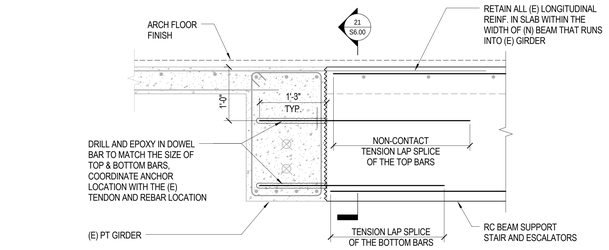


NOTE:
1. REFER TO 14/SS.19 FOR ADDITIONAL CLEAR DIST. REQUIREMENTS AROUND ANCHOR ZONE
2. SCAN TO LOCATE (E) REBAR AND PT TENDON BEFORE CORING

TYPICAL PLAN DETAIL OF OPENING AT (E) PT SLAB
1" = 1'-0" 05

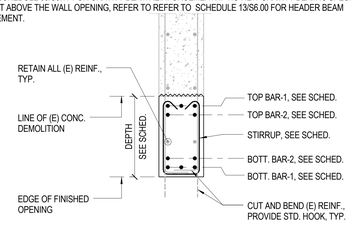


TYPICAL SECTION DETAIL AT (E) RC SLAB DEMOLITION
1" = 1'-0" 34

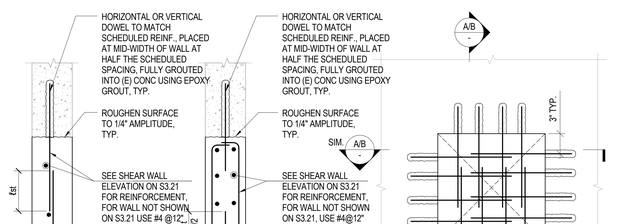


ELEVATION DETAIL OF ESCALATOR SUPPORT BEAM TO (E) GIRDER
1" = 1'-0" 22

NOTE:
REFER TO SCHEDULE 03/S5.17 FOR GRAVITY BEAM REINFORCEMENT. IF NO NEW GRAVITY BEAM IS SPECIFICALLY CALLED OUT ABOVE THE WALL OPENING, REFER TO REFER TO SCHEDULE 13/S6.00 FOR HEADER BEAM REINFORCEMENT.

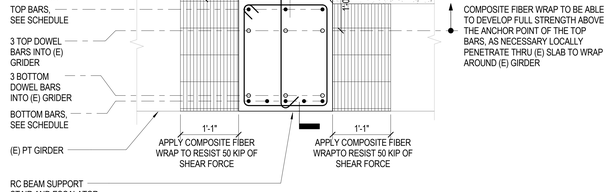


TYPICAL HEADER SECTION DETAIL OF OPENING AT (E) WALL
1" = 1'-0" 16

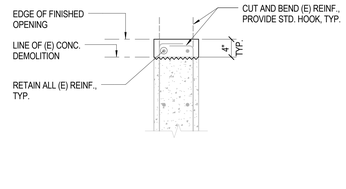


INFILL OF (E) WALL OPENING
1 1/2" = 1'-0" 03

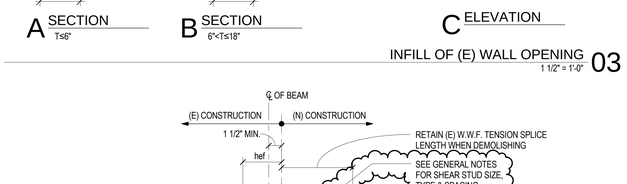
TYPICAL SECTION DETAIL AT (E) SLAB-ON-GRADE OR (E) COMPOSITE DECK DEMOLITION
1" = 1'-0" 33



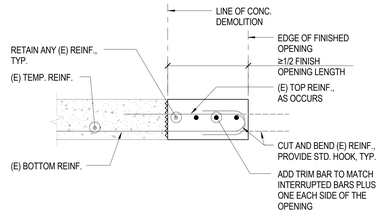
SECTION VIEW OF ESCALATOR SUPPORT BEAM TO (E) GIRDER
1" = 1'-0" 21



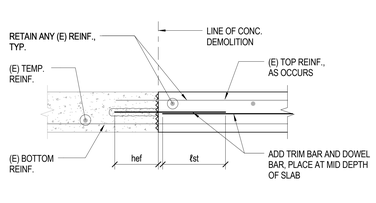
TYPICAL SILL SECTION DETAIL OF OPENING AT (E) WALL
1" = 1'-0" 15



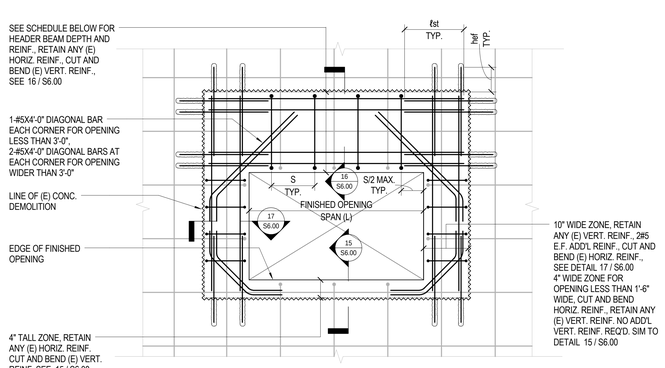
TYPICAL SLAB ON DECK AT (E) SLAB ON DECK INTERFACE
N.T.S. 02



TYPICAL SECTION DETAIL OF OPENING AT (E) RC SLAB DEMOLITION AROUND OPENING
1 1/2" = 1'-0" 32



TYPICAL SECTION DETAIL OF OPENING AT (E) RC SLAB DEMOLITION AROUND OPENING
1 1/2" = 1'-0" 26

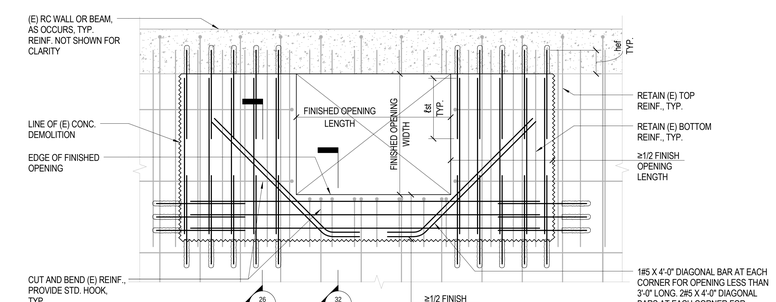


(E) WALL OPENING SCHEDULE

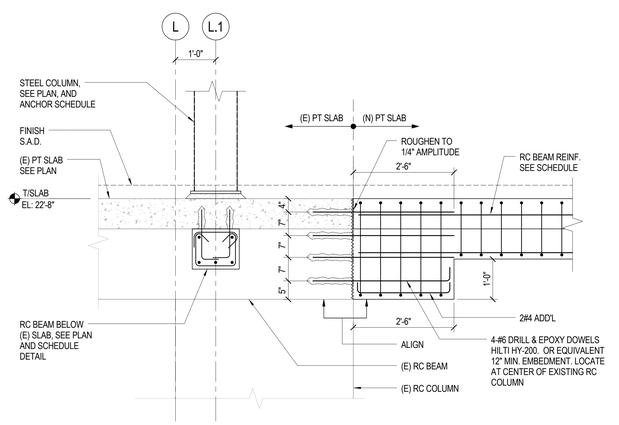
FINISHED OPENING SPAN (L)	DEPTH	TOP BAR-1	TOP BAR-1	BOTT. BAR-1	BOTT. BAR-2	STIRRUPS
L ≤ 2'-11"	0'-10"	2-#5	-	2-#5	-	-
2'-11" < L ≤ 8'-0"	1'-6"	2-#5	-	2-#5	-	#3@12
8'-0" < L ≤ 10'-6"	1'-6"	2-#5	2-#5	2-#5	2-#5	#3@12
10'-6" < L ≤ 12'-0"	1'-6"	2-#6	2-#6	2-#6	2-#6	#4@12
12'-0" < L ≤ 16'-0"	2'-0"	2-#7	2-#7	2-#7	2-#7	#4@12

NOTES:
1. THE HEADER BEAM SCHEDULE CAN BE USED WHEN NO NEW GRAVITY BEAM IS SPECIFICALLY CALLED OUT ABOVE THE WALL OPENING
2. ALL SPLICES ARE TENSION LAP SPLICES.
3. CONTRACTOR TO FIELD VERIFY ALL EXISTING STRUCTURE DIMENSIONS, ELEVATIONS AND REINFORCEMENT.
4. ALL DEMOLISHED OPENINGS TO HAVE LINTEL UNLESS NOTED OTHERWISE.
5. CONCRETE TO MATCH THICKNESS OF (E) WALL.

TYPICAL ELEVATION AND SCHEDULE OF OPENING AT (E) WALL
1" = 1'-0" 13



TYPICAL PLAN DETAIL OF OPENING AT (E) RC SLAB
1" = 1'-0" 25



TYPICAL DETAIL AT LEVEL 2 PT/RC BEAM
3/4" = 1'-0" 01

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL
580 PACIFIC STREET, MONTEREY, CA 93940
TEL: (831) 646-5601

Architect / Engineer:
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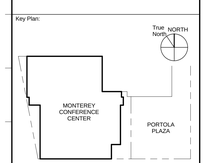
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

Consultants:

Issued For:

No.	Description:	Date:
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015
2	ADDENDUM 2	18 SEP 2015

Key Plan:


Seal & Signature:
REGISTERED PROFESSIONAL ENGINEER
MARK P. SARKISIAN
No. S 4639
Exp. 6/30/2017
STRUCTURAL
STATE OF CALIFORNIA

Sheet Name:
RETROFIT SECTIONS AND DETAILS I

Project No.: 215004
Drawn By: TEAM
Checked By: LEAD
Scale: As indicated
Sheet No.: S6.00

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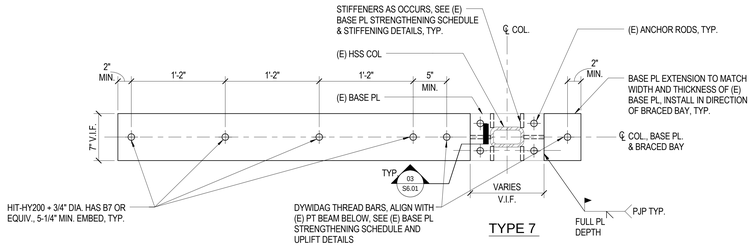
Agreement #: Ag-5097 - Page 371 Approved as to Form (CAO) (DEPT) 329



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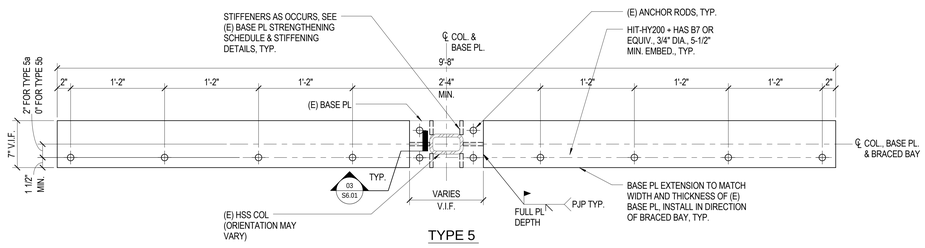

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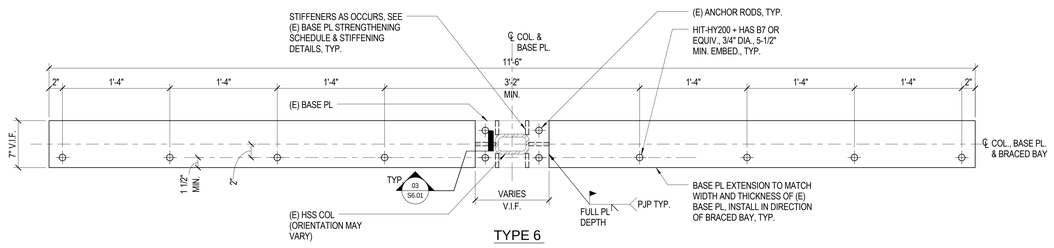

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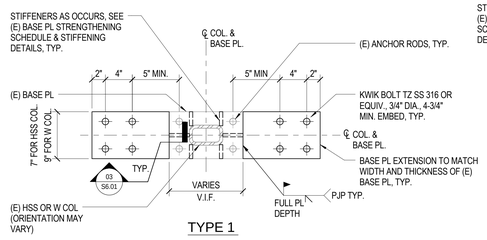
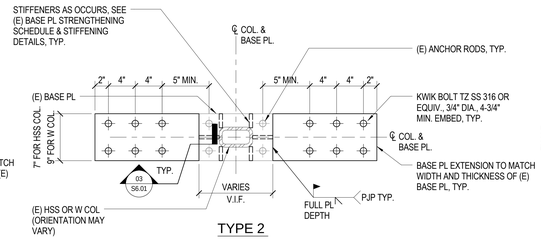


TYPE 1



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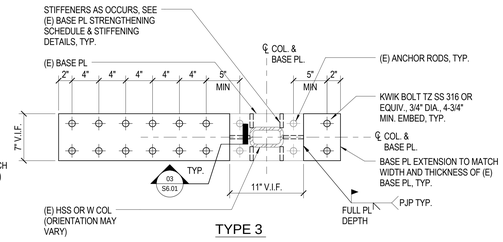

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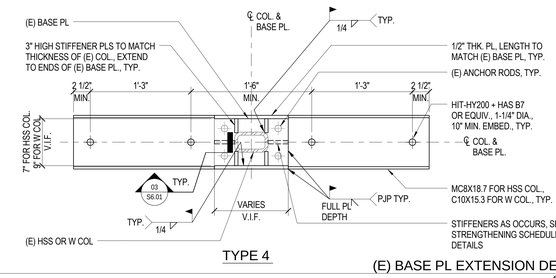
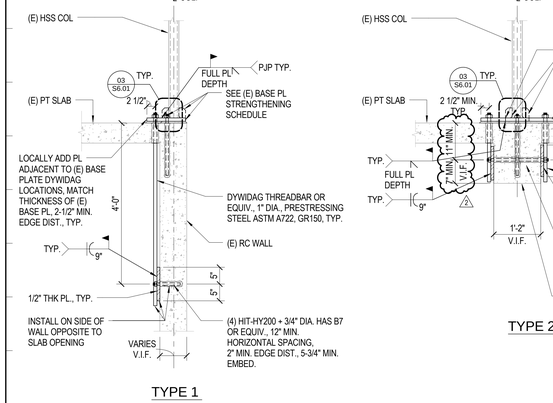


TYPE 4

(E) BASE PL EXTENSION DETAILS
1 1/2" = 1'-0" 05



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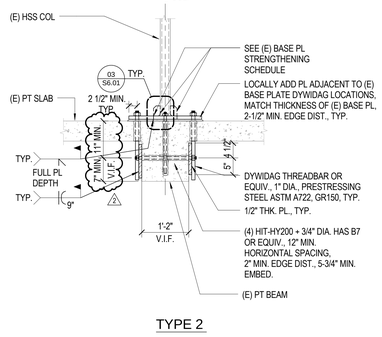

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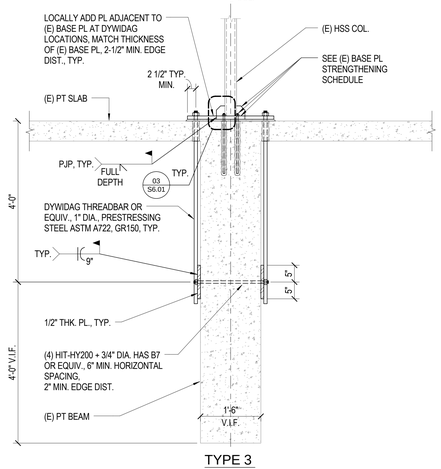


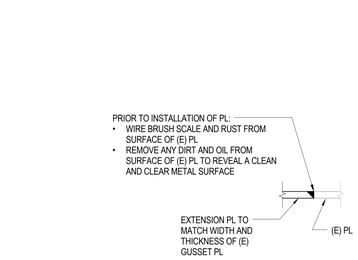
TYPE 3

(E) BASE PL UPLIFT DETAILS
3/4" = 1'-0" 02

(E) BASE PLATE STRENGTHENING SCHEDULE

BASE PLATE	(E) COLUMN SIZE (V.I.F.)	BASE PL EXTENSION DETAIL (SEE DETAIL 05/S6.01)	BASE PL UPLIFT DETAIL (SEE DETAIL 02/S6.01)	BASE PL STIFFENING DETAIL (SEE DETAIL 01/S6.01)
(E) BP1	HSS5x3x1/2	4	-	-
(E) BP2	HSS5x3x1/2	-	-	1
(E) BP3	W8x35	1	-	-
(E) BP5	HSS5x3x1/2	1	-	-
(E) BP8	HSS5x3x1/2	5b	1	-
(E) BP9	HSS5x3x1/2	5a	-	1
(E) BP10	HSS5x3x1/2	-	-	1
(E) BP11	HSS5x3x1/2	-	-	1
(E) BP12	HSS5x3x1/2	7	2	1
(E) BP13	HSS5x3x1/2	-	-	1
(E) BP14	HSS5x3x1/2	5b	1	-
(E) BP15	HSS5x3x1/2	5a	-	1
(E) BP18	HSS5x3x1/2	5a	1	1
(E) BP21	HSS8x4x1/2	-	-	2
(E) BP27	HSS5x3x1/2	5a	1	1
(E) BP29	HSS5x3x1/2	6	-	-
(E) BP31	HSS5x3x1/2	3	-	1
(E) BP32	HSS5x3x1/2	2	-	1
(E) BP33	HSS5x3x1/2	3	-	1
(E) BP34	HSS5x3x1/2	2	3	1
(E) BP35	HSS5x3x1/2	-	-	1
(E) BP38	HSS5x3x1/2	-	-	-
(E) BP40	HSS5x3x1/2	5a	1	1
(E) BP42	HSS5x3x1/2	5b	-	-

(E) BASE PLATE STRENGTHENING SCHEDULE
12" = 1'-0" 15



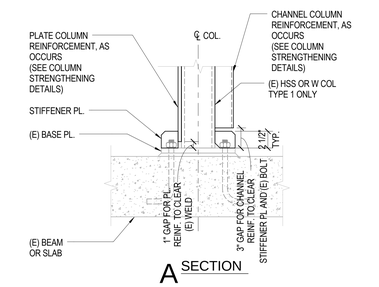
A SECTION
DETAIL 03
3" = 1'-0"

(E) COLUMN STRENGTHENING SCHEDULE

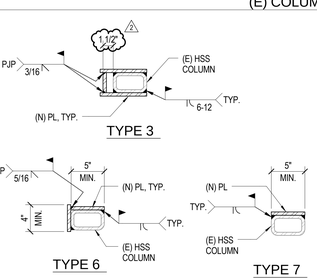
COLUMN	(E) COLUMN SIZE (V.I.F.)	STRENGTHENING DETAIL (SEE 13/S6.01)	REINFORCEMENT
(E)C1	HSS5x3x1/2	3	3/8" PL ON S FACE, (2) 1/4" PLs ON E & W FACES
(E)C2	HSS5x3x1/2	3	3/8" PL ON E FACE, (2) 5/8" PLs ON N & S FACES
(E)C3	HSS5x3x1/2	5	(2) 1/2" PLs (GR 50) ON N & S FACES
(E)C4a	HSS5x3x1/2	6	(2) 1" PLs ON N & W FACES
(E)C4b	HSS5x3x1/2	6	(2) 1" PLs ON S & W FACES
(E)C5	HSS5x3x1/2	7	1" PL ON E FACE
(E)C6	HSS5x3x1/2	3	3/8" PL ON E FACE, (2) 1/2" PLs ON N & S FACES
(E)C7	HSS5x3x1/2	5	(2) 1/2" PLs ON E & W FACES
(E)C8	HSS5x3x1/2	5	(2) 1/2" PLs ON E & W FACES
(E)C9	HSS5x3x1/2	5	(2) 1/2" PLs (GR 50) ON E & W FACES
(E)C10	HSS5x3x1/2	5	(2) 1/2" PL ON E & W FACES
(E)C11	HSS8x4x1/2	3	3/8" PL ON E FACE, (2) 1/2" PLs ON N & S FACES
(E)C12	W8x48	4	(2) 1" PLs (GR 50) ON E & S FACES
(E)C13	HSS5x3x1/2	5	(2) 1/2" PLs ON E & W FACES
(E)C14	HSS5x3x1/2	5	(2) 5/8" PLs ON E & W FACES
(E)C15	HSS5x3x1/2	1	C3x6
(E)C16	HSS8x4x1/2	3	3/8" PL ON E FACE, (2) 1/4" PLs ON N & S FACES
(E)C17	HSS5x3x1/2	3	3/8" PL ON N FACE, (2) 1/2" PLs ON E & W FACES
(E)C18	HSS5x3x1/2	3	3/8" PL ON S FACE, (2) 1/4" PLs ON E & W FACES
(E)C19	HSS5x3x1/2	3	3/8" PL ON W FACE, (2) 1/2" PLs ON N & S FACES
(E)C20	HSS5x3x1/2	2	C5x9 ON N FACE
(E)C21	HSS5x3x1/2	5	(2) 1/2" PLs ON E & W FACES
(E)C22	HSS5x3x1/2	5	(2) 1/2" PLs ON N & S FACES
(E)C23	HSS5x3x1/2	5	(2) 1/2" PLs (GR 50) ON N & S FACES
(E)C24	HSS5x3x1/2	5	(2) 1/2" PLs ON S & W FACES

NOTE: 1. START COL. REINFORCEMENT ABOVE (E) BASE PL. PER DETAIL 01A/S6.01
2. FOR LOCATION OF REINFORCEMENTS ALONG COLUMN HEIGHT, SEE BRACE ELEVATIONS ON S3.11 & S3.12

(E) COLUMN STRENGTHENING SCHEDULE
NTS 14

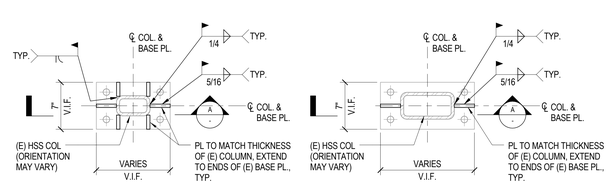


A SECTION



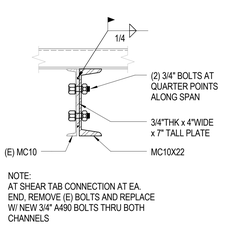
TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6 TYPE 7

(E) STEEL COLUMN STRENGTHENING DETAILS
1 1/2" = 1'-0" 13



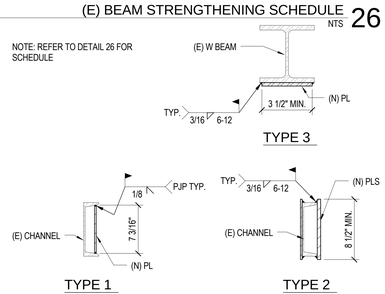
TYPE 1 TYPE 2

(E) BASE PL STIFFENING DETAILS
1 1/2" = 1'-0" 01



NOTE:
AT SHEAR TAB CONNECTION AT EA. END, REMOVE (E) BOLTS AND REPLACE W/ NEW 3/4" A490 BOLTS THRU BOTH CHANNELS

(E) CHANNEL RETROFIT DETAIL
1 1/2" = 1'-0" 31



TYPE 3 TYPE 1 TYPE 2

(E) STEEL BEAM STRENGTHENING DETAILS
1 1/2" = 1'-0" 25

(E) BEAM STRENGTHENING SCHEDULE

BEAM	(E) BEAM SIZE (V.I.F.)	STRENGTHENING DETAIL (SEE 25/S6.01)	REINFORCEMENT
(E) B1	C8x11.5	1	1/4" PL ON OPEN FACE
(E) B2	C8x11.5	1	1/4" PL ON OPEN FACE
(E) B3	C8x11.5	1	1/4" PL ON OPEN FACE
(E) B4	C8x11.5	2	1/2" PL ON OPEN FACE, 1/4" PL ON BACK OF EXISTING CHANNEL
(E) B5	C8x11.5	1	1/4" PL ON OPEN FACE
(E) B6	W12x16.5	3	1/2" PL ON BOTTOM FACE

NOTE: FOR ELEVATION OF BEAMS TO BE REINFORCED, SEE BRACE ELEVATIONS ON S3.11 & S3.12

(E) BEAM STRENGTHENING SCHEDULE
NTS 26

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL

580 PACIFIC STREET, MONTEREY, CA 93940
TEL: (831) 646-5601

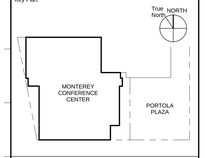
Architect / Engineer:
SOM
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

Consultants:

Issued For:

No.	Description:	Date:
	BID SET	26 AUG 2015
2	ADDENDUM 2	18 SEP 2015

Key Plan:



Seal & Signature:

REGISTERED PROFESSIONAL ENGINEER MARK P. SARKISIAN No. S 4639 Exp. 6/30/2017 STRUCTURAL STATE OF CALIFORNIA

Sheet Name:
RETROFIT SECTIONS AND DETAILS II

Project No.: 215004
Drawn By: TEAM
Checked By: LEAD
Scale: As indicated
Sheet No.: S6.01

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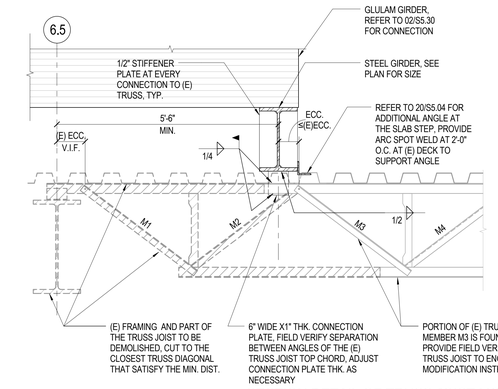
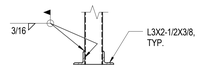
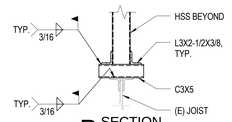
Agreement #: Ag-5097 - Page 371
Approved as to Form
Date 3/29



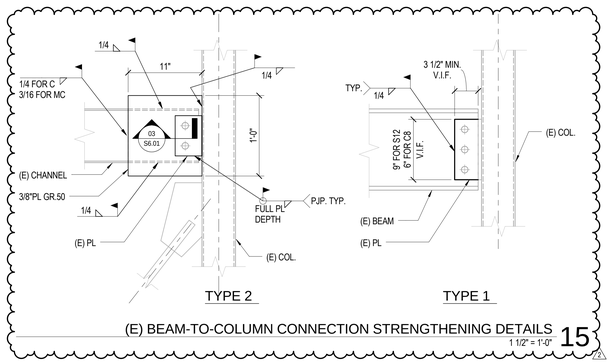
SECTION DETAIL OF TRUSS JOIST MODIFICATION
3/4" = 1'-0" 05



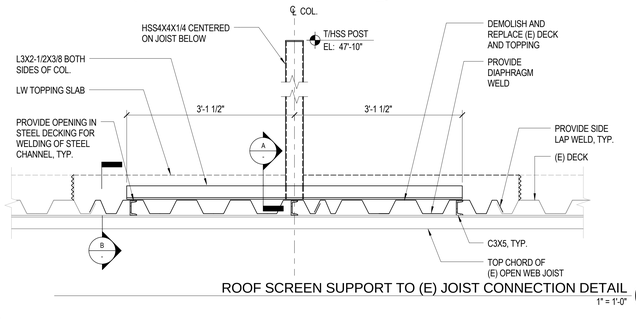
A SECTION



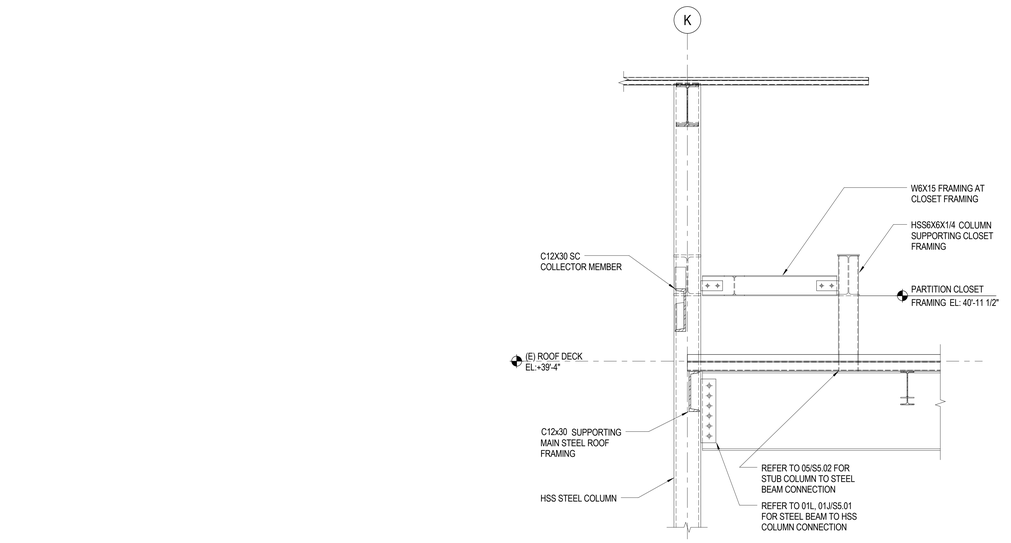
B SECTION



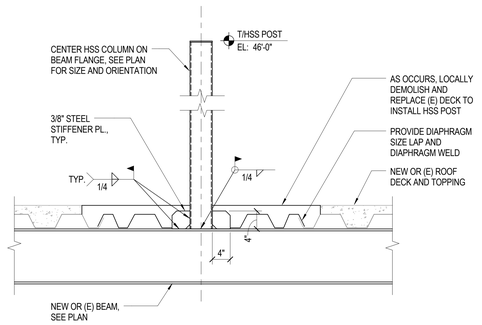
(E) BEAM-TO-COLUMN CONNECTION STRENGTHENING DETAILS
1 1/2" = 1'-0" 15



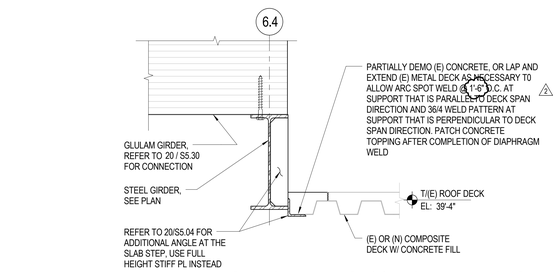
ROOF SCREEN SUPPORT TO (E) JOIST CONNECTION DETAIL
1" = 1'-0" 04



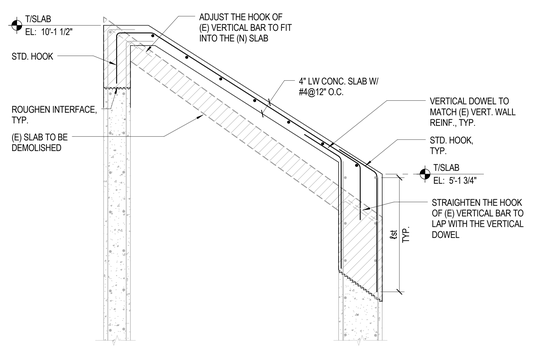
ENLARGED SECTION AT LINE K
3/4" = 1'-0" 14



ROOF SCREEN SUPPORT TO BEAM CONNECTION DETAIL
1" = 1'-0" 02



SECTION DETAIL OF (E) DECK INTERFACE ON LINE 6.4
1" = 1'-0" 13



SECTION OF WALL ADJACENT TO STAIR#23 AT SOUTH-EAST CORNER OF BUILDING
3/4" = 1'-0" 01

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL
580 PACIFIC STREET, MONTEREY, CA 93940
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Architect / Engineer:
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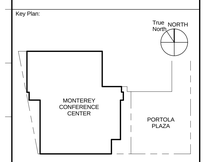
Issued For:

No.	Description:	Date:
	BID SET	26 AUG 2015
2	ADDENDUM 2	18 SEP 2015

Key Plan:



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RETROFIT SECTIONS AND DETAILS III

Project No.:	Sheet No.:
215004	S6.02
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Checked By: LEAD	
Scale: As indicated	

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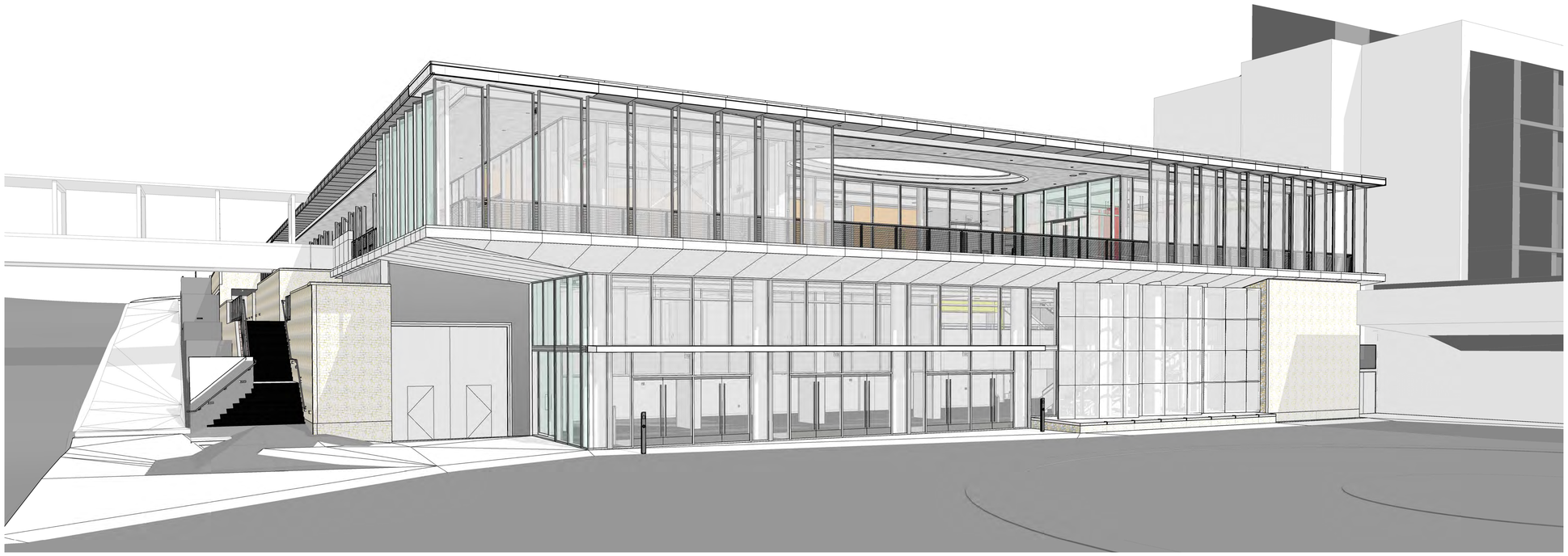
Date 3/29

MONTEREY CONFERENCE CENTER
MONTEREY, CALIFORNIA

ADDENDUM 2 SEPTEMBER 18, 2015

VOLUME 2:
MECHANICAL / ELECTRICAL / PLUMBING / FIRE PROTECTION / AV / TELECOM / GRAPHICS

ASSESSOR PARCEL NUMBER: 001-576-016 1



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VOLUME 2

SHEET #	SHEET NAME	PRELIMINARY DESIGN 15% PRICING ISSUE - 05 DEC 2014	ISSUED FOR PLANNING & A.R.C. REVIEW - 16 DEC 2014	30% SUBMITTAL - 20 FEB 2015	60% PROJECT COMPLETION - 15 MAY 2015	PERMIT SET - 15 JUNE 2015	90% PROJECT COMPLETION - 28 JULY 2015	PORTOLA PLAZA PERMIT SET - 03 AUG 2015	BID SET - 26 AUG 2015	ADDENDUM 1 - 11 SEPT 2015	ADDENDUM 2 - 18 SEPT 2015
GENERAL											
A0.00.V2	COVER SHEET	●	●	●	●	●	●	●	●	●	●
A0.01.V2	DRAWING LIST	●	●	●	●	●	●	●	●	●	●
MECHANICAL											
M0.01	MECHANICAL LEGEND, ABBREVIATIONS AND DRAWING LIST			●	●	●	●		●		
M0.02	MECHANICAL SCHEDULES			●	●	●	●		●		●
M0.03	MECHANICAL SCHEDULES			●	●	●	●		●		●
M0.04	MECHANICAL TITLE 24 COMPLIANCE FORMS					●	●		●		
M0.05	MECHANICAL TITLE 24 COMPLIANCE FORMS					●	●		●		
M0.06	MECHANICAL TITLE 24 COMPLIANCE FORMS					●	●		●		
M0.07	MECHANICAL TITLE 24 COMPLIANCE FORMS					●	●		●		
M0.08	MECHANICAL TITLE 24 COMPLIANCE FORMS					●	●		●		
M0.09	MECHANICAL TITLE 24 COMPLIANCE FORMS					●	●		●		
M0.10	MECHANICAL TITLE 24 COMPLIANCE FORMS					●	●		●		
MD2.01.1	MECHANICAL LEVEL 1 DEMOLITION PLAN – SOUTH			●	●	●	●		●		●
MD2.01.2	MECHANICAL LEVEL 1 DEMOLITION PLAN - NORTH			●	●	●	●		●		●
MD2.02.1	MECHANICAL MEZZANINE LEVEL DEMOLITION PLAN - SOUTH			●	●	●	●		●		●
MD2.02.2	MECHANICAL MEZZANINE LEVEL DEMOLITION PLAN – NORTH			●	●	●	●		●		
MD2.03	MECHANICAL LEVEL 2 DEMOLITION PLAN			●	●	●	●		●		
MD2.04	MECHANICAL ROOF DEMOLITION PLAN			●	●	●	●		●		●
MD4.01	MECHANICAL CHILLED WATER AND CONDENSER WATER PIPING DEMO DIAGRAM					●	●		●		●
MD4.02	MECHANICAL HOT WATER PIPING DEMO DIAGRAM					●	●		●		
M2.01.1	MECHANICAL LEVEL 1 PLAN – SOUTH			●	●	●	●		●		●
M2.01.2	MECHANICAL LEVEL 1 PLAN - NORTH			●	●	●	●		●		●
M2.02.1	MECHANICAL MEZZANINE LEVEL PLAN – SOUTH			●	●	●	●		●		●
M2.02.2	MECHANICAL MEZZANINE LEVEL PLAN - NORTH			●	●	●	●		●		
M2.03	MECHANICAL LEVEL 2 PLAN			●	●	●	●		●		●
M2.04	MECHANICAL ROOF PLAN			●	●	●	●		●		●
M3.01	MECHANICAL SECTIONS LEVEL 1 & MEZZANINE						●		●		
M3.02	MECHANICAL SECTIONS LEVEL MEZZANINE & 2						●		●		
M4.01	MECHANICAL CHILLED WATER AND CONDENSER WATER PIPING DIAGRAM			●	●	●	●		●		●
M4.02	MECHANICAL HOT WATER PIPING DIAGRAM			●	●	●	●		●		●
M5.01	MECHANICAL DETAILS					●	●		●		
M7.01	MECHANICAL CONTROL DIAGRAMS										●
M7.02	MECHANICAL CONTROL DIAGRAMS										●
M7.03	MECHANICAL CONTROL DIAGRAMS										●
M7.04	MECHANICAL CONTROL DIAGRAMS										●
ELECTRICAL											
E0.01	ELECTRICAL LEGEND AND ABBREVIATIONS			●	●	●	●		●	●	●
E0.02	ELECTRICAL SCHEDULES			●	●	●	●		●		●
E0.03	ELECTRICAL SCHEDULES			●	●	●	●		●		
E0.04	ELECTRICAL SCHEDULES			●	●	●	●		●	●	
E0.05	ELECTRICAL SCHEDULES						●		●	●	
E0.06	ELECTRICAL SCHEDULES						●		●	●	●
E0.10	ELECTRICAL TITLE 24 CALCULATIONS						●		●		●
E0.11	ELECTRICAL TITLE 24 CALCULATIONS						●		●		●
E0.12	ELECTRICAL TITLE 24 CALCULATIONS						●		●		●
E0.13	ELECTRICAL TITLE 24 CALCULATIONS								●		●
E0.14	ELECTRICAL TITLE 24 CALCULATIONS						●		●		
E0.15	ELECTRICAL TITLE 24 CALCULATIONS						●		●		
E0.16	ELECTRICAL TITLE 24 CALCULATIONS										●
E0.17	ELECTRICAL TITLE 24 CALCULATIONS										●
ED2.01	ELECTRICAL DEMOLITION PLAN - LEVEL 01			●	●	●	●		●	●	●
ED2.02	ELECTRICAL DEMOLITION PLAN - MEZZANINE LEVEL			●	●	●	●		●	●	
ED2.03	ELECTRICAL DEMOLITION PLAN - LEVEL 02			●	●	●	●		●		
ED2.04	ELECTRICAL DEMOLITION PLAN AUDITORIUM UPPER LEVEL			●	●	●	●		●		
ED2.05	ELECTRICAL DEMOLITION PLAN - ROOF LEVEL			●	●	●	●		●		
E1.01	ELECTRICAL SITE PLAN			●		●	●	●	●	●	●
E1.02	ELECTRICAL SITE PLAN - PORTOLA PLAZA										●
E2.01.1	ELECTRICAL - POWER PLAN - LEVEL 01 - SOUTH			●	●	●	●		●	●	●
E2.01.2	ELECTRICAL - POWER PLAN - LEVEL 01 - NORTH			●	●	●	●		●		●
E2.02.1	ELECTRICAL - POWER PLAN - MEZZANINE LEVEL - SOUTH			●	●	●	●		●	●	
E2.02.2	ELECTRICAL - POWER PLAN - MEZZANINE LEVEL - NORTH			●	●	●	●		●		
E2.03.1	ELECTRICAL - POWER PLAN - LEVEL 2 - SOUTH			●	●	●	●		●	●	
E2.03.2	ELECTRICAL - POWER PLAN - LEVEL 2 - NORTH			●	●	●	●		●		
E2.04.1	ELECTRICAL - POWER PLAN - ROOF LEVEL - SOUTH			●	●	●	●		●	●	
E3.01	ELECTRICAL ENLARGED PLANS			●	●	●	●		●	●	
E3.02	ELECTRICAL ENLARGED PLANS			●	●	●	●		●		
E4.01	ELECTRICAL - LIGHTING PLAN - LEVEL 01					●	●		●		
E4.01.1	ELECTRICAL - LIGHTING PLAN - LEVEL 01 - SOUTH			●	●	●	●		●	●	
E4.01.2	ELECTRICAL - LIGHTING PLAN - LEVEL 01 - NORTH			●			●		●		●
E4.02	ELECTRICAL - LIGHTING PLAN - MEZZANINE LEVEL					●	●		●		
E4.02.1	ELECTRICAL - LIGHTING PLAN - MEZZANINE LEVEL - SOUTH			●	●	●	●		●	●	
E4.02.2	ELECTRICAL - LIGHTING PLAN - MEZZANINE LEVEL - NORTH			●		●	●		●		
E4.03	ELECTRICAL - LIGHTING PLAN - LEVEL 2			●		●	●		●		
E4.03.1	ELECTRICAL - LIGHTING PLAN - LEVEL 2 - SOUTH			●		●	●		●		
E5.01	ELECTRICAL RISER DIAGRAM EXISTING			●	●	●	●		●		
E5.02	ELECTRICAL RISER DIAGRAM			●	●	●	●		●	●	
E5.03	ELECTRICAL FIRE ALARM RISER DIAGRAM			●	●	●	●		●		●
E5.04	ELECTRICAL LIGHTING CONTROL RISER DIAGRAM					●	●		●	●	●
E6.01	ELECTRICAL DETAILS			●	●	●	●		●		
E6.02	ELECTRICAL DETAILS				●	●	●		●		
PLUMBING											
P0.01	PLUMBING LEGENDS & ABBREVIATIONS			●	●	●	●		●		
P0.02	PLUMBING SCHEDULES			●	●	●	●		●		
PD2.01U.1	PLUMBING UNDERGROUND DEMOLITION PLAN - SOUTH				●	●	●		●		●
PD2.01U.2	PLUMBING UNDERGROUND DEMOLITION PLAN - NORTH				●	●	●		●		●
PD2.01.1	PLUMBING LEVEL 01 DEMOLITION PLAN - SOUTH				●	●	●		●		
PD2.01.2	PLUMBING LEVEL 01 DEMOLITION PLAN - NORTH				●	●	●		●		●
PD2.02.1	PLUMBING MEZZANINE LEVEL DEMOLITION PLAN - SOUTH				●	●	●		●		
PD2.02.2	PLUMBING MEZZANINE LEVEL DEMOLITION PLAN - NORTH				●	●	●		●		
PD2.03.1	PLUMBING LEVEL 02 DEMOLITION PLAN - SOUTH				●	●	●		●		
PD2.03.2	PLUMBING LEVEL 02 DEMOLITION PLAN - NORTH				●	●	●		●		
PD2.04	PLUMBING ROOF LEVEL DEMOLITION PLAN				●	●	●		●		
P2.01U.1	PLUMBING PLAN - UNDERGROUND - SOUTH			●	●	●	●		●		●
P2.01U.2	PLUMBING PLAN - UNDERGROUND - NORTH			●	●	●	●		●		●
P2.01.1	PLUMBING PLAN - LEVEL 01 - SOUTH			●	●	●	●		●		●
P2.01.2	PLUMBING PLAN - LEVEL 01 - NORTH			●	●	●	●		●		●
P2.02.1	PLUMBING PLAN - MEZZANINE LEVEL - SOUTH			●	●	●	●		●		●
P2.02.2	PLUMBING PLAN - MEZZANINE LEVEL - NORTH			●	●	●	●		●		
P2.03.1	PLUMBING PLAN - LEVEL 02 - SOUTH			●	●	●	●		●		
P2.03.2	PLUMBING PLAN - LEVEL 02 - NORTH			●	●	●	●		●		
P2.04	PLUMBING PLAN - ROOF LEVEL			●	●	●	●		●		
P3.01	PLUMBING STEINBECK CATERING ENLARGED PLAN			●	●	●	●		●		
P3.02	PLUMBING ENLARGED PLANS					●	●		●		●
P5.01	PLUMBING DETAILS				●	●	●		●		●
P5.02	PLUMBING DETAILS				●	●	●		●		

VOLUME 2

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FIRE PROTECTION											
FP0.01	FIRE PROTECTION LEGENDS & ABBREVIATIONS						●		●		●
FPD2.01.1	FIRE PROTECTION LEVEL 01 DEMOLITION PLAN - SOUTH				●	●	●		●		
FPD2.01.2	FIRE PROTECTION LEVEL 01 DEMOLITION PLAN - NORTH				●	●	●		●		
FPD2.02.1	FIRE PROTECTION MEZZANINE LEVEL DEMO PLAN - SOUTH				●	●	●		●		
FPD2.02.2	FIRE PROTECTION MEZZANINE LEVEL DEMO PLAN - NORTH				●	●	●		●		
FPD2.03.1	FIRE PROTECTION LEVEL 02 DEMOLITION PLAN - SOUTH				●	●	●		●		
FPD2.03.2	FIRE PROTECTION LEVEL 02 DEMOLITION PLAN - NORTH				●	●	●		●		
FP2.01.1	FIRE PROTECTION PLAN - LEVEL 01 - SOUTH				●	●	●		●		●
FP2.01.2	FIRE PROTECTION PLAN - LEVEL 01 - NORTH				●	●	●		●		
FP2.02.1	FIRE PROTECTION PLAN - MEZZANINE LEVEL - SOUTH				●	●	●		●		●
FP2.02.2	FIRE PROTECTION PLAN - MEZZANINE LEVEL - NORTH				●	●	●		●		
FP2.03.1	FIRE PROTECTION PLAN - LEVEL 02 - SOUTH				●	●	●		●		●
AV											
TA0.00	AV SYSTEMS - GENERAL NOTES, ABBREVIATIONS, SYMBOLS AND DRAWING LIST				●	●	●		●		
TA2.01	AV SYSTEMS - FLOOR PLAN - LEVEL 1				●	●	●		●		
TA2.02	AV SYSTEMS - FLOOR PLAN - MEZZANINE LEVEL				●	●	●		●		
TA2.03	AV SYSTEMS - FLOOR PLAN - LEVEL 2				●	●	●		●		
TA3.10	AV SYSTEMS - SERRA BALLROOM 108 ENLARGED PLAN				●	●	●		●	●	
TA3.11	AV SYSTEMS - SERRA BALLROOM 108 ENLARGED PLAN				●	●	●		●	●	
TA3.12	AV SYSTEMS - SERRA BALLROOM 108 ENLARGED RCP (LEVEL 1)				●	●	●		●	●	
TA3.13	AV SYSTEMS - SERRA BALLROOM 108 ENLARGED RCP (MEZZANINE)				●	●	●		●	●	
TA3.14	AV SYSTEMS - LEVEL 1 TOILETS ENLARGED RCP				●	●	●		●		
TA3.20	AV SYSTEMS - MEZZANINE 201 ENLARGED PLANS				●	●	●		●		
TA3.21	AV SYSTEMS - MEZZANINE 201 ENLARGED PLANS				●	●	●		●		
TA3.30	AV SYSTEMS - STEINBECK BALLROOM 310 ENLARGED PLAN				●	●	●		●	●	
TA3.31	AV SYSTEMS - STEINBECK BALLROOM 310 ENLARGED RCP				●	●	●		●	●	
TA3.32	AV SYSTEMS - STEINBECK BALLROOM 310 ENLARGED PLAN				●	●	●		●	●	
TA3.33	AV SYSTEMS - STEINBECK BALLROOM 310 ENLARGED RCP				●	●	●		●		
TA5.00	AV SYSTEMS - DETAILS						●		●		
TA6.00	AV SYSTEMS - FUNCTIONAL DIAGRAM						●		●		
TA6.01	AV SYSTEMS - FUNCTIONAL DIAGRAM						●		●	●	
TA6.02	AV SYSTEMS - FUNCTIONAL DIAGRAM						●		●	●	
TA6.03	AV SYSTEMS - FUNCTIONAL DIAGRAM						●		●		
TA6.04	AV SYSTEMS - FUNCTIONAL DIAGRAM						●		●		
TA6.05	AV SYSTEMS - FUNCTIONAL DIAGRAM						●		●		
TELECOM											
TT0.00	TELECOM - GENERAL NOTES, ABBREVIATIONS, SYMBOLS AND DRAWING LIST				●	●	●		●	●	
TT2.01	TELECOM - FLOOR PLAN - LEVEL 1				●	●	●		●	●	●
TT2.02	TELECOM - FLOOR PLAN - MEZZANINE LEVEL				●	●	●		●	●	
TT2.03	TELECOM - FLOOR PLAN - LEVEL 2				●	●	●		●	●	●
TT2.04	TELECOM - FLOOR PLAN - ROOF LEVEL				●	●	●		●		
TT3.01	TELECOM - REFLECTED CEILING PLAN - LEVEL 1					●	●		●		●
TT3.02	TELECOM - REFLECTED CEILING PLAN - MEZZANINE LEVEL					●	●		●		
TT3.03	TELECOM - REFLECTED CEILING PLAN - LEVEL 2					●	●		●		
TT4.10	TELECOM - MPOE / IDF ROOM 107H ENLARGED PLANS AND ELEVATIONS					●	●		●		
TT4.11	TELECOM - IDF ROOM 112B ENLARGED PLANS AND ELEVATIONS					●	●		●		
TT4.20	TELECOM - MDF ROOM 305 ENLARGED PLANS AND ELEVATIONS					●	●		●		
TT5.00	TELECOM - RISER DIAGRAM				●	●	●		●		
TT5.01	TELECOM - BONDING AND GROUNDING RISER DIAGRAM				●	●	●		●		
TT6.00	TELECOM - DETAILS				●	●	●		●		
TT6.01	TELECOM - DETAILS				●	●	●		●		
TT6.02	TELECOM - DETAILS				●	●	●		●		
TT6.03	TELECOM DETAILS									●	
TT7.00	TELECOM - RACK ELEVATION						●		●		
TT7.01	TELECOM - RACK ELEVATION						●		●		
TT7.02	TELECOM - RACK ELEVATION						●		●		
TT7.03	TELECOM - RACK ELEVATION						●		●		
GRAPHICS											
GR0.0.1	GENERAL NOTES									●	
GR0.0.2	GRAPHIC ELEMENTS									●	
GR1.01	SITE SIGN PLAN									●	
GR2.01.1	ENLARGED SIGN PLAN - LEVEL 1 - SOUTH									●	
GR2.01.2	ENLARGED SIGN PLAN - LEVEL 1 - NORTH									●	
GR2.02.1	ENLARGED SIGN PLAN - MEZZANINE LEVEL - SOUTH									●	
GR2.02.2	ENLARGED SIGN PLAN - MEZZANINE LEVEL - NORTH									●	
GR2.03.1	ENLARGED SIGN PLAN - LEVEL 2 - SOUTH									●	
GR5.01	SIGNAGE EXTERIOR ELEVATIONS									●	
GR6.01	SIGNAGE INTERIOR ELEVATIONS									●	
GR6.20	SIGNAGE INTERIOR ELEVATIONS									●	
GR8.01	SIGNAGE EXTERIOR DETAIL									●	
GR8.02	SIGNAGE EXTERIOR DETAIL									●	
GR8.03	SIGNAGE EXTERIOR DETAIL									●	
GR9.01	SIGNAGE INTERIOR DETAIL									●	
GR9.02	SIGNAGE INTERIOR DETAIL									●	
GR9.03	SIGNAGE INTERIOR DETAIL									●	
GR9.20	SIGNAGE INTERIOR DETAIL									●	
GR9.21	SIGNAGE INTERIOR DETAIL									●	
GR9.22	SIGNAGE INTERIOR DETAIL									●	

MONTEREY CONFERENCE CENTER
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1	ADDENDUM 1	11 SEPT 2015
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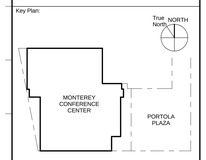
Key Plan:



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Project No.: 215004	Sheet No.: A0.01.V2
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AIR HANDLING UNIT (COOLING/HEATING)

DESIGNATION	LOCATION	SERVICE	MANUF. MODEL NUMBER	YEAR OF INSTALLATION (IF EXISTING)	TOTAL AIRFLOW CFM	MINIMUM OUTSIDE AIR CFM	SUPPLY FAN CFM	SUPPLY FAN EXT. S.P. (IN. WG.)	SUPPLY FAN RPM	SUPPLY FAN BHP	SUPPLY FAN MOTOR HP	RETURN FAN CFM	RETURN FAN EXT. S.P. (IN. WG.)	RETURN FAN RPM	RETURN FAN BHP	RETURN FAN MOTOR HP	HYDRONIC COOLING COIL EAT DB (ºF)	EAT WB (ºF)	LAT DB (ºF)	LAT WB (ºF)	CAPACITY TOTAL (MBH)	CAPACITY TOTAL (TONS)	CAPACITY SENSIBLE (MBH)	GPM	EWT (ºF)	LWT (ºF)	P.D. AIR (IN. WG.)	P.D. WATER (FT. H2O)	TOTAL AREA (SF)	HYDRONIC HEATING COIL EAT (ºF)	LAT (ºF)	CAPACITY (MBH)	GPM	EWT (ºF)	LWT (ºF)	P.D. AIR (IN. WG.)	P.D. WATER (FT. H2O)	TOTAL AREA (SF)	INTERNAL VIBRATION ISOLATION EXTERNAL SPEC. TYPE	EXTERNAL THICKNESS (INCHES)	INTERNAL SPEC. TYPE	INTERNAL STATIC DEFLECTION (INCHES)	AIR FILTER SPEC. TYPE	FACE VELOCITY (FPM)	P.D. (IN. WG.) INITIAL	P.D. (IN. WG.) FINAL	ASHRAE 52.2-1999 MERV	ELECTRICAL DATA VOLTAGE/ PHASE	UNIT FLA	VAR. SPEED (Y/N)	WEIGHT (LBS)	NOTES
(E)AHU-1	ROOF	STEINBECK FORUM	TRANE SIZE T-25	2006	10,800	3417	10,800	1.5	1160	11.8	15	10,800	1.0	580	5.4	7 1/2	77.5	62	51.9	51.5	326	27	303	65	44	54	0.5	10.0	23.4	55	87	373	37	200	180	0.1	-	23.7	-	-	-	-	C1	-	0.30	1.4	13	460/3	-	Y	7500	5, 6, 9, 10,12
(R)AHU-2	ROOF	STEINBECK FORUM LOBBY	TRANE SIZE T-25	2006	10,900	4647	10,900	1.5	1150	11.4	15	10,900	1.0	570	5.4	7 1/2	77.5	62	51.9	51.5	320	27	299	64	44	54	0.5	10.0	23.4	-	-	-	-	-	-	-	-	-	-	-	-	-	C1	-	0.30	1.4	13	460/3	-	Y	7500	1,5,6,9,10,12
(E)AHU-3	ROOF	COLTON	TRANE SIZE T-10	2006	4,000	875	4,000	1.5	2147	4.4	5	4,000	1.0	933	2.0	2 1/2	77.5	62	51.9	51.5	121	10	111	24	44	54	0.5	15.0	8.0	-	-	-	-	-	-	-	-	-	-	-	-	-	C1	-	0.30	1.4	13	460/3	-	Y	-	5, 6, 9, 10,12
(X)AHU-4	ROOF	CONFERENCE ROOMS	TRANE SIZE T-8	2006	4,000	-	4,000	1.5	2147	4.4	5	4,000	1.0	933	2.0	2 1/2	77.5	62	51.9	51.5	121	10	111	24	44	54	0.5	15.0	8.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
AHU-4	L2 CEILING	FERRANTE	DAIKIN LAH005A	-	1,900	396	1,900	2.6	2823	1.4	3	-	-	-	-	-	77.0	63	53.2	52.7	57	5	50	11	44	55	0.4	1.6	5.2	35	89	112	10	180	158	0.1	4.2	5	C1	1.00	D	0.25	C	302	0.30	1.0	13	460/3	3	Y	519	3, 4, 10,12
(E)SF-5 & RF-5	L1 , LM NW MECH RM	DE ANZA BALLROOM	TRANE SIZE 44 & 33 AFDW	1977	31,000	7887	31,000	2.0	570	12.0	15	21,900	1.0	740.0	6.1	7 1/2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.20	0.8	12	460/3	-	Y	-	6,12
(E)SF-6 & RF-6	MEZZ SW MECH RM	SERRA BALLROOM	TRANE SIZE 44 & 40 AFDW	1977	30,500	10614	30,500	2.0	565	11.9	15	27,500	1.0	544.0	6.8	7 1/2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C	-	0.23	0.8	13	460/3	-	Y	-	6, 7, 9,12
AHU-7	MEZZANINE	MEZZANINE OFFICES	DAIKIN LAH004A	-	1,600	683	1,600	2.8	1995	1.8	5	-	-	-	-	-	77.0	63	53.5	52.9	111	9.3	94	7	44	57	0.5	2.8	3.8	35	87	191	9	180	160	0.1	4.6	4	B	1.00	D	0.25	C	381	0.23	1.0	13	460/3	7	Y	900	2, 4, 10,12
AHU-8	MEZZANINE	LOBBY	DAIKIN CAH016GDAM	-	7,500	2298	7,500	2.7	2020	8.4	10	-	-	-	-	-	77.0	63	52.4	51.5	280	23.3	237	52	44	54	0.6	3.4	14.7	35	86	500	21	180	139	0.2	1.4	15	B	1.00	D	0.25	C	429	0.23	1.0	13	460/3	18	Y	1416	2, 8, 10,12
AHU-9	ROOF	STEINBECK FORUM	TRANE CSAA 21	-	6,200	1904	6,200	1.6	-	6.8	7 1/2	6,200	0.8	-	2.5	3	80.0	67	50.9	50.8	300	25.0	198	60	44	54	0.5	6.9	16.8	45	82	245	12	180	140	0.1	0.4	15	-	-	A	2.00	C1	400	0.23	1.0	13	460/3	29	Y	5479	1, 3, 8, 11,12
AHU-10	L1 MECH CLOSET	PRE-FUNCTION	DAIKIN LAH010A	-	3,600	1792	3,600	1.0	1368	3.3	5	-	-	-	-	-	77	63	52	51	114	9.5	96	19	44	56	0.4	4.8	10	35	86	195	12	180	147	0.1	2.8	10	B	1.00	D	0.25	C	362	0.23	1.0	13	460/3	7	Y	776	2, 4, 10,12

NOTES:
1. PROVIDE UNIT MANUFACTURER'S ROOF CURB.
2. VERTICAL UNIT CONFIGURATION UNIT.
3. HORIZONTAL UNIT CONFIGURATION UNIT.
4. PROVIDE AND INSTALL UNIT MANUFACTURER'S OUTSIDE AIR AIRFLOW MEASUREMENT STATION IN FIELD. REFER TO AIRFLOW MEASURING STATION SCHEDULE 2
5. PROVIDE REPLACEMENT FILTERS FOR THE EXISTING UNITS. THE CONTRACTOR IS TO CONFIRM THAT THE SCHEDULED FILTERS WILL FIT IN THE EXISTING UNITS PRIOR TO PRODUCT SUBMITTAL AND PROCUREMENT.
6. BALANCE EXISTING EQUIPMENT TO THE VALUES NOTED IN THE SCHEDULE. REFER TO SPECIFICATION SECTION 23 05 93.
7. PROVIDE REPLACEMENT FILTER RACKS TO REPLACE THE EXISTING-TO-BE-DEMOLISHED FILTER RACKS.
8. PROVIDE UNIT MANUFACTURER'S FACTORY INSTALLED OUTSIDE AIR AIRFLOW MEASURING STATION.
9. PROVIDE AND INSTALL OUTSIDE AIR AIRFLOW MEASURING STATION PER AIRFLOW MEASURING STATION SCHEDULE ON THIS SHEET.
2 10. PROVIDE 3-WAY CONTROL VALVE. REFER TO #11 ON SHEET M5.01.
11. PROVIDE 2-WAY CONTROL VALVE. REFER TO #1 ON SHEET M5.01.
12. ECONOMIZER SECTION

FANS

DESIGNATION	LOCATION	SERVICE	MANUF. MODEL NUMBER	YEAR OF INSTALLATION (IF EXISTING)	CFM	STATIC PRESSURE (IN. WG.)	RPM	BHP	MOTOR HP	MOTOR VOLTAGE/ PHASE	VAR. SPEED (Y/N)	NOTES
(X)SF-7	MEZZANINE CORRIDOR	MEZZANINE LARKIN	TRANE #8	1977	3,400	2.0	1100	1.9	3	480/3	-	
(X)SF-8	MEZZANINE TOILET	MEZZANINE LANKIN LOBBY	TRANE #3	1977	1,400	1.5	1450	0.7	1	480/3	-	
(X)SF-9	L1 CORRIDOR	L1 PORTOLA LOBBY	TRANE #3	1977	1,600	1.5	1485	0.7	1	480/3	-	
(X)SF-10	L1 CORRIDOR	L1 OFFICE	TRANE #8	1977	3,000	2.0	1100	1.6	2	480/3	-	
(X)SF-11	L2	L2 CONTROL ROOM	TRANE #3	1977	600	1.5	1485	0.7	1	480/3	-	
(X)SF-12	L1 JANITOR	MEZZANINE LANKIN LOBBY	TRANE	N/A	530	0.5	-	-	1/8	120/1	-	
(X)SF-13	L2	L2 NEXT FERRANTE III	TRANE	N/A	300	0.5	-	-	1/30	120/1	-	
(X)RF-4	ROOF	FERRANTE I TO III	TRANE T-10	2006	3,600	1.00	933	2.0	2 1/2	480/3	Y	
(X)EF-1	ROOF	L2 STEINBECK CORRIDOR	EXITAIRE LX1553	1977	1,000	0.25	-	-	1/6	120/1	-	
(E)EF-1	L1 CHILLER RM	L1 CHILLER RM	GREENHECK BSQ-160-15	2006	3,000	1.50	1503	1.3	1 1/2	480/3	Y	
(X)EF-2	ROOF	L2 ENTRANCE	EXITAIRE LX1553	1977	1,000	0.25	-	-	1/6	120/1	-	
EF-2	ROOF	L2 RESTROOMS	GREENHECK G-143-VG	-	1,250	0.40	933	0.2	1/2	120/1	-	
(X)EF-3	ROOF	L2 COLTON III	EXITAIRE LX1554	1977	1,500	0.25	-	-	1/4	120/1	-	
(X)EF-4	ROOF	L2 COLTON II	EXITAIRE LX1554	1977	1,500	0.25	-	-	1/4	120/1	-	
(X)EF-5	ROOF	L2 COLTON I	EXITAIRE LX1554	1977	1,500	0.25	-	-	1/4	120/1	-	
(X)EF-6	ROOF	L2 FERRANTE I	EXITAIRE LX1554	1977	1,500	0.25	-	-	1/4	120/1	-	
(X)EF-7	ROOF	L2 FERRANTE II	EXITAIRE LX1554	1977	1,500	0.25	-	-	1/4	120/1	-	
(X)EF-8	ROOF	L2 FERRANTE III	EXITAIRE LX1554	1977	1,500	0.25	-	-	1/4	120/1	-	
(X)EF-9	L2	VIP TOILET	PENN ZEPHYR 2-6	1977	80	0.125	-	-	1/25	120/1	-	
(E)EF-10	MEZZANINE NW MECH RM	MEZZANINE KITCHEN HOOD	PENN CENTREX 127B	1977	6,750	2.0	-	-	5	480/3	-	1
(E)EF-11	-	STOR RM 216	TRANE UTILITY 12B1	1977	1,000	1.5	1220	-	1/4	120/1	-	1
(X)EF-12	MEZZANINE CLOSET	MEZZANINE LARKIN II	TRANE UTILITY 15B1	1977	1,200	0.25	970	-	1/3	120/1	-	
(X)EF-13	MEZZANINE CORRIDOR	MEZZANINE LARKIN TOILET	JENNAIR 101 ILD	1977	600	0.5	1140	-	1/3	120/1	-	
EF-13	MEZZANINE CORRIDOR	MEZZANINE TOILETS	GREENHECK CSP-A1550	-	650	0.5	1029	-	830 W	120/1	-	
(X)EF-14	-	DARK ROOM	PENN ZEPHYR Z-8	1977	150	0.125	-	-	1/40	120/1	-	
(X)EF-15	MEZZANINE CORRIDOR	DANA	JENNAIR 100 ILD	1977	1,000	0.5	1725	-	1/3	120/1	-	
(X)EF-16	MEZZANINE CORRIDOR	MEZZANINE LARKIN I	JENNAIR 100 ILD	1977	1,000	0.5	1725	-	1/3	120/1	-	
(E)EF-17	MEZZANINE	L1 SERRA TOILET	TRANE UTILITY 15B1	1977	2,020	0.8	1280	-	1/2	120/1	-	1
(E)EF-18	L1 TRASH	L1 TRASH, STORAGE	JENNAIR 128 ILD	1977	400	0.375	-	-	1/12	120/1	-	1
2 (X)EF-19	L1 JANITOR	L1 LOUNGE, LOCKER	JENNAIR 148 ILD	1977	680	0.375	-	-	1/4	120/1	-	1
EF-19	L1 JANITOR	L1 JANITOR, LOCKERS	GREENHECK CSP-A710	-	475	0.4	1012	-	325 W	120/1	-	
(E)EF-20	L1 REFRIG	L1 TOILET	JENNAIR 81 ILD	1977	200	0.1	-	-	1/40	120/1	-	1
(X)EF-21	L1 TOILET	L1 OFFICE TOILET	PENN ZEPHYR 2-6	1977	80	0.1	-	-	1/25	120/1	-	
(E)EF-22	MEZZANINE	L1 N&S DRESSING ROOM	JENNAIR 148 ILD	1977	480	0.5	-	-	1/4	120/1	-	1
(X)EF-23	L2 STORAGE	L2 CONTROL ROOM	TRANE UTILITY 13B1	1977	1,600	0.5	1300	-	1/2	120/1	-	
(X)EF-24	L1 PHONE	L1 PHONE, JANITOR	JENNAIR 81 ILD	1977	385	0.375	-	-	1/15	120/1	-	
EF-25	L1 E TOILET	L1 E TOILET	GREENHECK CSP-A1550	-	1,000	0.3	1159	-	yes	120/1	-	
TF-1	L2 ELECTRICAL	L2 ELECTRICAL	GREENHECK CSP-510-VG	-	300	0.3	873	-	240 W	120/1		
EF-27	ROOF	L2 SERVICE	GREENHECK G-143-VG	-	1,400	0.4	986	0.2	1/2	120/1	-	

NOTES:
1. BALANCE EXISTING EQUIPMENT TO THE VALUES NOTED IN THE SCHEDULE. REFER TO 23 05 93.

HYDRONIC COIL

DESIGNATION	LOCATION	SERVICE	YEAR OF INSTALLATION (IF EXISTING)	CFM	GPM	CAPACITY TOTAL (MBH)	CAPACITY TOTAL (TONS)	CAPACITY SENSIBLE (MBH)	FLUID TEMPERATURE EWT (°F)	FLUID TEMPERATURE LWT (°F)	EAT DB (°F)	EAT WB (°F)	LAT DB (°F)	LAT WB (°F)	PRESSURE DROP AIR (IN. WG.)	PRESSURE DROP FLUID (FT H2O)	TOTAL AREA (SF)	NOTES
(E)CC-5	LM SF-5	L1 DE ANZA BALLROOM	1977	31,000	184.0	920	76.7	-	44	54	77.5	62	55	51.5	0.9	-	75	1,4
(E)CC-6	LM SF-6 DUCT	L1 SERRA BALLROOM	1977	30,500	184.0	920	76.7	-	44	54	77.5	62	55	51.5	0.9	-	75	1,4
(X)CC-7	LM SF-7	LM LARKIN	1977	3,400	21.0	103	8.6	-	44	54	77.5	62	55	51.5	0.7	-	6	
(X)CC-8	LM SF-8	LM LANKIN LOBBY	1977	1,400	8.0	39	3.2	-	44	54	75.0	61	55	51.5	0.6	-	2	
(X)CC-9	L1 SF-9	L1 PORTOLA LOBBY	1977	1,600	10.0	48	4.0	-	44	54	77.5	62	55	51.5	0.6	-	2	
(X)CC-10	L1 SF-10	L1 OFFICE	1977	3,000	18.0	91	7.5	-	44	54	77.5	62	55	51.5	0.7	-	6	
(X)CC-11	L2 SF-11	L2 CONTROL ROOM	1977	1,600	13.0	20	1.7	-	44	54	85.0	64	55	51.5	1.2	-	2	
(X)CC-12	L2 DARKROOM	PRESS RM	1977	350	2.0	10	0.8	-	44	54	77.5	62	55	51.5	0.3	-	-	
(X)CC-13	L1 SF-12	LM LOBBY	1977	540	3.5	16	1.3	-	44	54	77.5	62	55	51.5	0.3	-	-	
(X)CC-14	L2 SF-13	L2 NEXT FERRANTE III	1977	320	2.0	9	0.8	-	44	54	77.5	62	55	51.5	0.3	-	-	
(E)HWC-1	ROOF AHU-1	L2 STEINBECK FORUM	1977	5,400	18.0	178.0	-	-	200	180	55	-	85	-	0.3	6.5	-	1
(X)HWC-2	L2 AHU-2 DUCT	L2 STEINBECK FORUM LOBBY	1977	1,000	3.5	32.5	-	-	200	180	55	-	85	-	0.2	3.0	-	
(X)HWC-3	L2 AHU-3 DUCT	L2 COLTON III	2010	1,030	3.5	35.0	-	-	180	160	55	-	85	-	0.5	5.0	-	
(X)HWC-4	L2 AHU-4 DUCT	L2 FERRANTE I	2010	1,330	4.5	45.0	-	-	180	160	55	-	85	-	0.5	4.5	-	
(E)HWC-5	LM SF-5 DUCT	L1 STORAGE, KITCHEN	1977	3,630	12.0	117.5	-	-	200	180	55	-	85	-	0.4	7.0	-	1,4
(E)HWC-6	LM SF-6 DUCT	L1 SERRA BALLROOM	1977	15,300	50.0	496.0	-	-	200	180	55	-	85	-	0.4	9.0	-	1,4
(X)HWC-7	LM SF-7 DUCT	LM LARKIN II	1977	1,200	4.0	39.0	-	-	200	180	55	-	85	-	0.2	5.0	-	
(X)HWC-8	LM SF-8	LM LARKIN LOBBY	1977	1,400	4.5	45.0	-	-	200	180	65	-	95	-	0.2	3.0	-	
(X)HWC-9	L1 SF-9	L1 PORTOLA LOBBY	1977	1,600	5.0	52.0	-	-	200	180	55	-	85	-	0.2	3.0	-	
(X)HWC-10	L1 SF-10	L1 OFFICE	1977	3,000	10.0	97.0	-	-	200	180	30	-	80	-	0.2	4.0	-	
(X)HWC-11	L2 SF-11	L2 CONTROL ROOM	1977	1,600	9.0	90.0	-	-	200	180	55	-	85	-	0.4	5.0	-	
(X)HWC-12	L2 FORUM LEFT	FORUM LEFT	1977	5,400	18.0	178.0	-	-	200	180	55	-	85	-	0.3	6.5	-	
(X)HWC-13	L2 AHU-2 DUCT	L2 STEINBECK FORUM LOBBY	1977	3,600	20.0	117.0	-	-	200	180	55	-	85	-	0.4	7.0	-	
(X)HWC-14	L2 AHU-2 DUCT	L2 CORRIDOR	1977	4,100	13.5	133.0	-	-	200	180	55	-	85	-	0.4	7.0	-	
(X)HWC-15	L2 AHU-3 DUCT	L2 COLTON II	2010	1,030	3.5	35.0	-	-	180	160	55	-	85	-	0.5	5.0	-	
(X)HWC-16	L2 AHU-3 DUCT	L2 COLTON I	2010	1,330	4.5	45.0	-	-	180	160	55	-	85	-	0.5	4.5	-	
(X)HWC-17	L2 AHU-4 DUCT	L2 FERRANTE II	2010	1,330	4.5	45.0	-	-	180	160	55	-	85	-	0.5	4.5	-	
(X)HWC-18	L2 AHU-4 DUCT	L2 FERRANTE III	2010	1,330	4.5	45.0	-	-	180	160	55	-	85	-	0.5	4.5	-	
(X)HWC-19	L2 AHU-2 DUCT	L2 STEINBECK FORUM LOBBY	1977	400	1.5	13.0	-	-	200	180	55	-	85	-	0.2	2.0	-	
(X)HWC-20	L2 SF-13	L2 NEXT FERRANTE III	1977	320	1.0	100.0	-	-	200	180	55	-	85	-	0.05	2.0	-	
(X)HWC-21	L2 AHU-2 DUCT	L2 STEINBECK FORUM LOBBY	1977	2,200	7.0	71.0	-	-	200	180	55	-	85	-	0.4	4.0	-	
(E)HWC-22	LM SF-5 DUCT	L1 DE ANZA BALLROOM (CORRIDOR)	1977	4,200	14.0	136.0	-	-	200	180	55	-	85	-	0.4	5.0	-	1,4
(E)HWC-23	LM SF-5 DUCT	L1 DE ANZA BALLROOM	1977	6,000	19.5	195.0	-	-	200	180	55	-	85	-	0.4	7.0	-	1,4
(E)HWC-24	LM SF-5 DUCT	L1 DE ANZA BALLROOM	1977	10,100	33.0	327.0	-	-	200	180	55	-	85	-	0.4	8.0	-	1,4
(E)HWC-25	LM SF-5 DUCT	L1 STORAGE, KITCHEN	1977	6,750	22.0	219.0	-	-	200	180	55	-	85	-	0.4	7.5	-	1,4
(E)HWC-26	LM SF-5 DUCT	L1 DE ANZA BALLROOM	1977	410	1.5	13.0	-	-	200	180	56	-	86	-	0.1	1.0	-	1,4
(E)HWC-27	LM SF-6 DUCT	L1 SERRA BALLROOM	1977	9,100	30.0	295.0	-	-	200	180	57	-	87	-	0.4	7.0	-	1,4
(E)HWC-28	LM SF-6 DUCT	L1 SERRA BALLROOM	1977	4,550	15.0	148.0	-	-	200	180	58	-	88	-	0.4	5.0	-	1,4
(E)HWC-29	LM SF-6 DUCT	L1 PLATFORM	1977	1,300	4.5	42.0	-	-	200	180	59	-	89	-	0.3	3.0	-	1,4
(X)HWC-30	LM SF-7 DUCT	LM LARKIN I	1977	670	2.0	22.0	-	-	200	180	60	-	90	-	0.2	3.0	-	
(X)HWC-31	LM SF-7 DUCT	LM DANA	1977	600	2.0	20.0	-	-	200	180	61	-	91	-	0.2	3.0	-	
(X)HWC-32	LM SF-7 DUCT	LM DANA CORRIDOR	1977	730	2.5	24.0	-	-	200	180	62	-	92	-	0.2	4.0	-	
(X)HWC-33	LM SF-7 DUCT	LM DANA	1977	350	1.0	10.0	-	-	200	180	63	-	93	-	0.05	1.0	-	
(X)HWC-34	L1 SF-12	LM LOBBY	1977	540	2.0	17.5	-	-	200	180	64	-	94	-	0.05	1.5	-	

NOTES:
1. BALANCE EXISTING EQUIPMENT TO THE VALUES NOTED IN THE SCHEDULE. REFER TO SPECIFICATION 23 05 93.
2 2. TWO WAY CONTROL VALVE: 1-M5.01
3. THREE WAY CONTROL VALVE: 11-M5.01
4. COIL SHALL BE CLEANED PRIOR TO INSTALLATION OF NEW DUCTWORK

HOT WATER BOILERS

DESIGNATION	LOCATION	SERVICE	MANUF. MODEL NUMBER	YEAR OF INSTALLATION (IF EXISTING)	FUEL	INPUT (MBH)	OUTPUT (MBH)	GPM	EWT (°F)	LWT (°F)	FLUE SIZE (INCHES)	OPERATING WEIGHT (LBS)	NOTES
(E)B-1	L2 BOILER RM	HOT WATER	MUNCHKIN MOD CON 850	2010	NATURAL GAS	170 - 850	799	54	180	160	6	580	1
(E)B-2	L2 BOILER RM	HOT WATER	MUNCHKIN MOD CON 850	2010	NATURAL GAS	170 - 850	799	54	180	160	6	580	1
(E)B-3	L2 BOILER RM	HOT WATER	MUNCHKIN MOD CON 850	2010	NATURAL GAS	170 - 850	799	54	180	160	6	580	1

NOTES:
1. BALANCE EXISTING EQUIPMENT TO THE VALUES NOTED IN THE SCHEDULE. REFER TO SPECIFICATION 23 05 93.

COOLING TOWERS

DESIGNATION	LOCATION	SERVICE	MANUF. MODEL NUMBER	YEAR OF INSTALLATION	CAPACITY (TONS)	AMBIENT WET BULB (°F)	EWT (°F)	LWT (°F)	GPM	FANS CFM	FANS HP	FANS RPM	FANS VOLTAGE/ PHASE	VAR. SPEED (Y/N)	OPERATING WEIGHT (LBS)	NOTES
(E)CT-1	ROOF	CHILLER	BAC VTO-57K	2006	93	66	95	85	280	14180	10	-	460/3	Y	2500	1
(E)CT-2	ROOF	CHILLER	BAC VTO-57K	2006	93	66	95	85	280	14180	10	-	460/3	Y	2500	1

NOTES:
1. BALANCE EXISTING EQUIPMENT TO THE VALUES NOTED IN THE SCHEDULE. REFER TO SPECIFICATION 23 05 93.

CHILLERS

DESIGNATION	LOCATION / SERVICE	MANUF. MODEL NUMBER	YEAR OF INSTALLATION	TYPE	REFRIGERANT	CAPACITY (TONS)	EVAPORATOR FOULING FACTOR	EVAPORATOR NO. OF PASSES	EVAPORATOR EWT (ºF)	EVAPORATOR LWT (ºF)	EVAPORATOR GPM	EVAPORATOR PD (FT H20)	CONDENSER FOULING FACTOR	CONDENSER NO. OF PASSES	CONDENSER EWT (ºF)	CONDENSER LWT (ºF)	CONDENSER GPM	CONDENSER PD (FT H20)	ELECTRICAL DATA POWER (KW/TON)	VOLTAGE/ PHASE	FULL LOAD AMPS	VAR. SPEED (Y/N)	OPERATING WEIGHT (LBS)	NOTES
(E)CH-1	EXHIBITION LEVEL / CHILLED WATER	MCQUAY WMC250D	2006	WATER-COOLED	R-134A	200	0.00010	2	54	44	500	10.0	0.00025	2	85	95	560	10.0	0.69	460/3	140	Y	13,200	1
(E)CH-2	ROOF / CHILLED WATER	TRANE RTAA070	1999	AIR-COOLED	R-22	72	-	-	54	44	184	-	-	-	85	95	202		1.03	460/3	133	N	6,400	1

NOTES:
1. BALANCE EXISTING EQUIPMENT TO THE VALUES NOTED IN THE SCHEDULE. REFER TO SPECIFICATION 23 05 93.

PUMPS

DESIGNATION	LOCATION	SERVICE	MANUF. MODEL NUMBER	YEAR OF INSTALLATION (IF EXISTING)	TYPE	GPM	HEAD (FT H2O)	MINIMUM EFFICIENCY (PERCENT)	CASING PRESSURE (PSIG)	RPM	MOTOR BRAKE HP	MOTOR NON-OVERLOADING HP	MOTOR VOLTAGE/ PHASE	VAR. SPEED (Y/N)	NET WEIGHT (LBS)	NOTES
(E)CHP-1	L1 MECHANICAL	CH-1	B&G 1510 4BC	2006	CENTRIFUGAL	500	75	-	-	-	11.9	-	460/ 3	Y	-	1
(E)CHP-2	L1 MECHANICAL	CH-1	B&G 1510 4BC	2006	CENTRIFUGAL	500	75	-	-	-	11.9	-	460/ 3	Y	-	1
(X)CWP-1	L1 MECHANICAL	CT-1	B&G 1510 3E	2006	CENTRIFUGAL	280	90	-	-	-	9.0	-	460/ 3	Y	-	
(X)CWP-2	L1 MECHANICAL	CT-2	B&G 1510 3E	2006	CENTRIFUGAL	280	90	-	-	-	9.0	-	460/ 3	Y	-	
CWP-1	L1 MECHANICAL	CT-1	B&G 1510 4EB	-	CENTRIFUGAL	560	90	79	175	1800	18.5	20	460/3	Y	651	
CWP-2	L1 MECHANICAL	CT-2	B&G 1510 4EB	-	CENTRIFUGAL	560	90	79	175	1800	18.5	20	460/3	Y	651	
(E)MP-9	ROOF	CH-2	-	-	-	184	60	-	-	1750	-	-	460/ 3	-	-	1
(E)CP-1	L2 MECHANICAL	HOT WATER	GRUNDFOS UPS 15-55SFC	2010	-	3	13	-	-	-	-	-	120/ 1	-	7	1
(E)CP-2	L2 MECHANICAL	HOT WATER	GRUNDFOS UP 15-18 B7	2010	-	7	2	-	-	-	-	-	120/ 1	-	7	1
(E)CP-3	L2 MECHANICAL	HOT WATER	GRUNDFOS UP 43-44F	2010	-	31	7	-	-	-	-	-	120/ 1	-	14	1
(E)BP-1	L2 MECHANICAL	B-1	GRUNDFOS TP 40-80	2010	CENTRIFUGAL	54	18	-	-	-	-	-	120/ 1	-	60	1
(E)BP-2	L2 MECHANICAL	B-2	GRUNDFOS TP 40-80	2010	CENTRIFUGAL	54	8	-	-	-	-	-	120/ 1	-	60	1
(E)BP-3	L2 MECHANICAL	B-3	GRUNDFOS TP 40-80	2010	CENTRIFUGAL	54	18	-	-	-	-	-	120/ 1	-	60	1
(E)MP-1	L2 MECHANICAL	HOT WATER	B&G 1510	-	CENTRIFUGAL	134	65	-	-	-	-	-	460/ 3	-	-	1,2
(E)MP-2	L2 MECHANICAL	HOT WATER	B&G 1510	-	CENTRIFUGAL	134	65	-	-	-	-	-	460/ 3	-	-	1,2

NOTES:
1. BALANCE EXISTING EQUIPMENT TO THE VALUES NOTED IN THE SCHEDULE. REFER TO SPEC 23 05 93.
2. TAB CONTRACTOR TO RESET PRESSURE CONTROL SETPOINTS FOR VFD CONTROLLED PUMP.

AIRFLOW MEASURING STATION

DESIGNATION	SYSTEM SERVED	SERVICE TYPE	SENSOR PROBE LOCATION	EPTRON SENSOR PROBE MODEL	EPTRON TRANSMITTER MODEL	NOMINAL AIRFLOW CFM	MAX AIR PRESSURE DROP (IN WG)	NOTES
AMS-1	(E)AHU-1	OUTSIDE AIR	OUTSIDE AIR INTAKE HOOD	GTX-116-P	GTC116	3,417	0.1	1,2,3,4
AMS-2	(R)AHU-2	OUTSIDE AIR	OUTSIDE AIR INTAKE HOOD	GTX-116-P	GTC116	4,647	0.1	1,2,3,4
AMS-3	(E)AHU-3	OUTSIDE AIR	OUTSIDE AIR INTAKE HOOD	GTX-116-P	GTC116	875	0.1	1,2,3,4
AMS-4	(E)SF-6 & RF-6	OUTSIDE AIR	OUTSIDE AIR INTAKE SHAFT	GTX-116-P	GTC116	10,614	0.1	1,3,4

NOTES:
1. PROVIDE STATION CONFIGURATION TO MATCH INSTALLATION.
2. PROVIDE ALL STAINLESS STEEL EXPANDED METAL STATION BETWEEN AHU INTAKE HOOD AND OUTSIDE AIR CONTROL DAMPER.
3. PROVIDE CABLE LENGTH LONG ENOUGH TO CONNECT PROBES TO TRANSMITTER.
4. PRIOR TO ORDERING, FIELD VERIFY ALL OA OPENING SIZES (OA HOOD OR OAI SHAFT) AND CONSULT WITH MFG.

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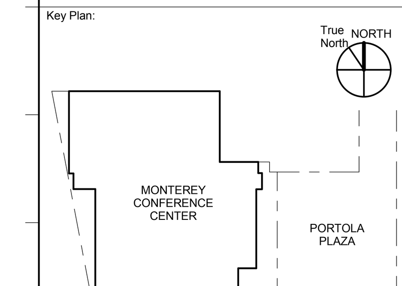

Seal & Signature:

REGISTERED PROFESSIONAL ENGINEER
PAUL O. MCGRATH
No. M33880
MECHANICAL
STATE OF CALIFORNIA

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Approved as to Form CAO RISK

EXTRACTION ARM AND FAN

DESIGNATION	DONALDSON-TORIT MODEL NUMBER	LOCATION/ SERVICE	CFM	STATIC PRESSURE (IN WG)	MOTOR		DIAMETER (IN.)	LENGTH (FT.)	WEIGHT (LBS)	REMARKS
					HP	VOLTAGE/ PHASE				
EAF-1	EX-ARM	MAINTENANCE SHOP	800	3.5	2	460/3	6	10	43	SEE NOTES

NOTES:
1. WALL-BRACKET WITH EXHAUST FAN
2. INTAKE HOOD
3. HALOGEN SPOTLIGHT.
4. OUTLET DUCT COLLAR.
5. PROVIDE STAINLESS STEEL NO-LOSS 8" DIAMETER STACKHEAD FOR EA DISCHARGE. DONALDSON-TORIT MODEL #3204-8.

FIRE DAMPERS

DESIGNATION	LOCATION / SERVICE	ASSOCIATED SYSTEM	DIMENSIONS		FIRE STAT TEMP (DEG F)	QTY	NOTES
			WIDTH (INCHES)	HEIGHT (INCHES)			
FD-1	L1 SERRA BALLROOM	SF-6	20	20	165	6	1,2,3
FD-2	MEZZ TOILET	EF-13	10	14	165	1	1,2
FD-3	ELECTRICAL 311B	TF-1	8	8	165	1	1,2
FD-4	ELECTRICAL 311B	TF-1	8	8	165	1	1,2

2

NOTES:
1. BASED ON RUSKIN MODEL FD60.
2. 1-1/2 HOUR RATING UL555 RATED.
3. PROVIDE 18" DIAMETER ROUND SEALED DUCT CONNECTION.

PLATE FRAME HEAT EXCHANGERS

MARK	LOCATION	FLUID (HOT)				FLUID (COLD)				MBH	HEATING SURFACE	WT LBS	MAXIMUM PRESSURE	MAKE & MODEL	REMARKS
		ET °F	LT °F	GPM	MAX PD	ET °F	LT °F	GPM	MAX PD						
(E)HE-1	BOILER ROOM	180	160	31	7 FT	55	150	6.4	0.5 FT	300	46 SF	82	450 PSI	GEA PHE SYSTEMS DW10X20-74 (1 1/2" MPT)	1,2,3

NOTES:
1.SEE PLANS FOR LOCATION
2.WITH FACTORY INSULATION KIT
3.WITH MOUNTING BRACKET 'BKT10X20'

DUCT SOUND ATTENUATOR

ATTENUATOR TAG	VIBRO-ACOUSTICS MODEL	DIMENSIONS (IN)			FACE VELOCITY (FPM)	PRESSURE DROP (IN WG)	ESTIMATED SYSTEM EFFECT PRESSURE DROP (IN WG)	MINIMUM DYNAMIC INSERTION LOSS (dB)							NOTES
		L	W	H				63 Hz	125 Hz	250 Hz	500 Hz	1k Hz	2k Hz	4k Hz	8k Hz	
SA-AHU-4 S	RED-HV-F6	60	20	14	+977	0.15	0.22	0	9	10	0	0	0	1	0	1,2
SA-AHU-4 R	RD-MHV-F3	60	26	12	-877	0.07	0.09	3	10	11	12	7	2	0	0	
SA-AHU-8 S	RD-HV-F3	84	50	16	+1620	0.18	0.24	6	11	7	5	7	6	14	11	
SA-AHU-8 R	RD-HV-F2	60	54	16	-1500	0.12	0.16	3	9	1	0	3	0	0	0	
SA-AHU-10 S	RED-UHV-F8	120	30	16	+1080	0.16	0.24	7	17	24	26	30	29	34	24	1,2
SA-AHU-10 R	RD-MV-F7	72	36	14	-1029	0.21	0.23	2	13	14	2	0	0	0	0	2
SA-VAV-14,15,16	RD-UHV-F4	60	24	16	+1706	0.08	0.17	4	8	15	19	20	20	13	9	
SA-VAV-37	RD-MHV-F8	60	16	14	+771	0.07	0.12	0	9	4	0	0	0	0	0	
SA-VAV-51	RD-MHV-F2	84	14	14	+992	0.09	0.19	0	12	3	0	0	0	0	0	
SA-VAV-39,41,46,47	RD-MV-F4	60	12	12	+600	0.05	0.05	0	9	3	0	0	0	0	0	

NOTES:
1. LENGTH OF THIS ATTENUATOR REPRESENTS THE TOTAL CENTERLINE LENGTH OF AN ELBOW ATTENUATOR.
2. PROVIDE ATTENUATOR WITH A HIGH TRANSMISSION LOSS CASING TO CONTROL BREAKOUT NOISE.
3. POSITIVE (+) FACE VELOCITY INDICATES FORWARD AIRFLOW. NEGATIVE (-) FACE VELOCITY IS REVERSE AIRFLOW.

2

CONTINUITY OF SERVICE

THE DE ANZA BALLROOM IS REQUIRED TO REMAIN OPERATIONAL THROUGHOUT THE CONSTRUCTION. THIS WILL NECESSITATE THE FOLLOWING SYSTEMS TO REMAIN OPERATIONAL:

A. SF-5, CC-5 AIR HANDLING SYSTEM WHICH SERVES THE BALLROOM.
B. THE BOILER SYSTEM.
C. THE CHILLED WATER/CONDENSER WATER SYSTEM.
D. DIRECT DIGITAL CONTROLS SYSTEM SERVING THE ABOVE.

AUTOMATIC CONTROL DAMPERS

DESIGNATION	LOCATION	ASSOCIATED SYSTEM	DIMENSIONS		ELECTRICAL CONNECTIONS		NOTES
			WIDTH (INCHES)	HEIGHT (INCHES)	VOLTAGE/ PHASE	QTY	
ACD-1	STEINBECK	AHU-1	50	10	24/1	1	1,2
ACD-2	STEINBECK	AHU-1	50	10	24/1	1	1,2
ACD-3	STEINBECK	AHU-1	50	10	24/1	1	1,2
ACD-4	STEINBECK	AHU-1	50	10	24/1	1	1,2
ACD-5	STEINBECK	AHU-1	50	10	24/1	1	1,2
ACD-6	STEINBECK	AHU-1	50	10	24/1	1	1,2
ACD-7	LM MECHANICAL	AHU-7	16	16	24/1	1	1

NOTES:
1. AUTOMATIC CONTROL DAMPER IS MODULATING.
2. FOR RETURN AIR PRESSURE CONTROL.

INDOOR DX SPLIT SYSTEM UNIT (COOLING ONLY)

DESIGNATION	MITSUBISHI MODEL NUMBER	LOCATION / SERVICE	SYSTEM TAG	MAX. CFM	COOLING		ELECTRICAL DATA			EMER POWER	OPERATING WEIGHT (LBS)	NOTES
					CAPACITY		VOLTAGE/ PHASE	UNIT MCA	F.L.A.			
					TOTAL BTUH	SENSIBLE BTUH						
ACU-1	PKA-A36KA4	MEZZANINE LEVEL ELECTRICAL	CU-1	920	34200	-	208/1	1	0.6	N	46	1,2,3,4,5
ACU-2	PKA-A36KA4	L2 MDF	CU-2	920	31000	-	208/1	1	0.6	N	46	1,2,3,4,5
ACU-3	PKA-A36KA4	L1 ELEC/IDF	CU-3	920	32900	-	208/1	1	0.6	N	46	1,2,3,4,5
ACU-4	PKA-A30KA4	L1 MPOE/IDF	CU-4	775	30900	-	208/1	1	0.6	N	46	1,2,3,4,5

NOTES:
1. PROVIDE AIR CONDITIONING UNIT WITH FACTORY CONDENSATE PUMP.
2. PROVIDE FACTORY SUPPLIED REFRIGERANT PIPING AS RECOMMENDED BY UNIT MFG. FOLLOW MFG INSTALLATION RECOMMENDATIONS FOR REFRIGERANT LINE SIZING.
3. WALL MOUNTED INDOOR SPLIT AC UNIT.
4. INSTALL WALL MOUNTED THERMOSTAT SUPPLIED WITH UNIT.
5. PROVIDE TEMPERATURE SENSOR FOR BMS MONITORING.

AIR COOLED CONDENSING UNITS (COOLING ONLY)

DESIGNATION	MITSUBISHI MODEL NUMBER	LOCATION	AMBIENT TEMP. DB (°F)	ELECTRICAL DATA			EMER POWER	OPERATING WEIGHT (LBS)	NOTES
				VOLTAGE/ PHASE	UNIT MCA	MOCP			
AIR COOLED CONDENSING UNIT									
CU-1	PUY-A36NHA4	ROOF	77	208/1	25	40	N	163	1,2
CU-2	PUY-A36NHA4	ROOF	77	208/1	25	40	N	163	1,2
CU-2	PUY-A36NHA4	ROOF	77	208/1	25	40	N	163	1,2
CU-4	PUY-A30NHA4	ROOF	77	208/1	25	40	N	163	1,2

NOTES:
1. PROVIDE CONDENSING UNIT AS PART OF DX SPLIT SYSTEM.
2. MOUNT UNIT ON MFG PROVIDED CONCRETE MOUNTING PAD MODEL ULTRILITE2 AND ENSURE PROPER SERVICE CLEARANCES AROUND UNIT AS RECOMMENDED BY UNIT MFG.

SINGLE DUCT TERMINAL WITH HOT WATER COIL

DESIGNATION	TITUS MODEL NUMBER	CFM SETTING			INLET DUCT SIZE (INCHES)	HEATING COIL				REMARKS
		COOLING MAXIMUM	MINIMUM	PRESSURE LOSS AT MAXIMUM (IN WG)		CAPACITY (BTUH)	GPM	EAT (°F)	LAT (°F)	NUMBER OF ROWS	
VAV-14	DESV	4,550	1,400	0.04	24x16	-	-	-	-	-	2,3
VAV-15	DESV	4,550	1,400	0.04	24x16	-	-	-	-	-	2,3
VAV-16	DESV	4,550	1,400	0.04	24x16	-	-	-	-	-	2,3
VAV-17	DESV	2,700	580	0.02	16	-	-	-	-	-	2,3
VAV-18	DESV	2,700	580	0.02	16	-	-	-	-	-	2,3
VAV-19	DESV	2,700	580	0.02	16	-	-	-	-	-	2,3
VAV-20	DESV	2,400	450	0.05	14	-	-	-	-	-	2,3
VAV-21	DESV	2,400	450	0.05	14	-	-	-	-	-	2,3
VAV-22	DESV	2,400	450	0.05	14	-	-	-	-	-	2,3
VAV-23	DESV	225	80	0.04	6	-	-	-	-	-	2,3
VAV-24	DESV	400	80	0.12	6	-	-	-	-	-	2,3
VAV-25	DESV	400	80	0.12	6	-	-	-	-	-	2,3
VAV-26	DESV	475	145	0.01	8	-	-	-	-	-	2,3
VAV-27	DESV	1,600	325	0.00	12	-	-	-	-	-	1,2,3
VAV-28	DESV	1,650	1,225	0.48	12	33000	1.7	55	80	2	1,2,3
VAV-29	DESV	1,650	1,225	0.48	12	33000	1.7	55	80	2	1,2,3
VAV-30	DESV	1,800	863	0.28	14	31300	1.6	55	89	2	1,2,3
VAV-31	DESV	1,800	863	0.28	14	31300	1.6	55	89	2	1,2,3
VAV-32	DESV	550	290	0.21	8	11900	0.6	55	93	2	1,2,3
VAV-33	DESV	1,400	410	0.33	12	17000	0.9	55	93	2	1,2,3
VAV-34	DESV	1,040	230	0.00	10	-	-	-	-	-	2,3
VAV-35	DESV	1,800	450	0.03	14	-	-	-	-	-	2,3
VAV-36	DESV	1,800	450	0.03	14	-	-	-	-	-	2,3
VAV-37	DESV	1,600	325	0.00	12	-	-	-	-	-	2,3
VAV-38	DESV	1,800	450	0.03	14	-	-	-	-	-	2,3
VAV-39	DESV	600	145	0.01	8	-	-	-	-	-	2,3
VAV-40	DESV	600	145	0.01	8	-	-	-	-	-	2,3
VAV-41	DESV	800	230	0.00	10	-	-	-	-	-	2,3
VAV-42	DESV	800	230	0.00	10	-	-	-	-	-	2,3
VAV-43	DESV	1,450	810	0.36	12	30100	1.5	55	89	2	1,2,3
VAV-44	DESV	1,040	230	0.00	10	-	-	-	-	-	2,3
VAV-45	DESV	1,800	450	0.03	14	-	-	-	-	-	2,3
VAV-46	DESV	600	145	0.01	8	-	-	-	-	-	2,3
VAV-47	DESV	600	145	0.01	8	-	-	-	-	-	2,3
VAV-48	DESV	1,330	870	0.30	12	20900	1.1	55	77	2	1,2,3
VAV-49	DESV	1,330	885	0.30	12	21300	1.1	55	77	2	1,2,3
VAV-50	DESV	1,330	855	0.30	12	20800	1.1	55	77	2	1,2,3
VAV-51	DESV	1,200	230	0.00	10	-	-	-	-	-	2,3
VAV-52	DESV	800	230	0.00	10	-	-	-	-	-	2,3
(E)VAV-1	DQCV	6750	2025	0.15	-	-	-	-	-	-	4
(E)VAV-2	DECV	410	300	0.15	-	-	-	-	-	-	4
(E)VAV-3	DQCV	3625	2030	0.15	-	-	-	-	-	-	4
(E)VAV-4	DQCV	4200	3225	0.15	-	-	-	-	-	-	4
(E)VAV-5	DQCV	6415	5700	0.15	-	-	-	-	-	-	4
(E)VAV-6	DQCV	10300	9075	0.15	-	-	-	-	-	-	4
(X)VAV-7	DQCV	4100	2700	0.15	-	-	-	-	-	-	4
(X)VAV-8	DQCV	400	300	0.20	-	-	-	-	-	-	4
(X)VAV-9	DQCV	3600	2550	0.15	-	-	-	-	-	-	4
(X)VAV-10	DQCV	1000	480	0.20	-	-	-	-	-	-	4

NOTES:
1. HEATING COIL SELECTION BASED ON 2 ROW SELECTION WITH 180°F EWT, 140°F LWT.
2. ALL SUPPLY DUCTS TO VAV BOXES SHALL BE MATCHED TO THE VAV BOX INLET SIZE UON.
3. PROVIDE 5 FT AL DOWNSTREAM OF VAV BOX.
4. BALANCE EXISTING EQUIPMENT AND OUTLETS DOWNSTREAM TO THE VALUES NOTED IN THE SCHEDULE AND ON THE DRAWINGS. REFER TO 23 05 93.

GRAVITY RELIEF/INTAKE HOOD

DESIGNATION	SERVICE	GREENHECK. MODEL NUMBER	THROAT AREA (FT^2)	MODEL SIZE W x D (INCHES)	OPER. WEIGHT (LBS)	NOTES
GRH-1	AHU-8, AHU-10	FGR	19.25	66 x 42	208	1
GRH-2	AHU-4	FGR	3.50	12 x 42	74	1
GOH-1	AHU-4	FGI	3.50	12 x 42	73	1

NOTES:
1. PROVIDE ROOF CURB BY GRAVITY HOOD MANUFACTURER.

AIR INLETS AND OUTLETS

DESIGNATION	MFG MODEL NUMBER	SERVICE	FACE DIMENSIONS	MATERIAL	NOTES
CD-1	TITUS TDC	SUPPLY	24x24 UON	STEEL	1, 2
LD-1	TITUS FL-HT	SUPPLY	SEE PLANS	ALUMINUM	3
SR-1	TITUS 272FL	SUPPLY	SEE PLANS	ALUMINUM	
CR-1	TITUS PAR	RETURN/EXHAUST	24x24 UON	STEEL	
CR-2	TITUS PAR	RETURN/EXHAUST	12x12 UON	STEEL	
RG-1	TITUS 50F	RETURN/EXHAUST	SEE PLANS	ALUMINUM	
RG-2	TITUS 3FL	RETURN/EXHAUST	SEE PLANS	ALUMINUM	

GENERAL NOTES:
A. CONFIRM BORDER TYPE AND FINISH OF ALL AIR INLETS AND OUTLETS WITH ARCHITECT.
B. SEE PLANS FOR NECK SIZES.

NOTES:
1. INCREASE ONE NECK SIZE FOR 3-WAY BLOW, INCREASE TWO NECK SIZES FOR 2-WAY BLOW.
2. PROVIDE SQUARE TO EQUIVALENT ROUND DUCT SIZE ADAPTER FOR ALL ROUND BRANCH DUCT CONNECTIONS. FOR EXAMPLE 15"x15" TO 16" ADAPTER.
3. PROVIDE TITUS FSPI INSULATED PLENUM.

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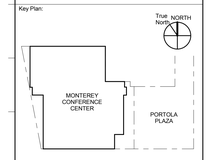
	BID SET	26 AUG 2015
2	ADDENDUM 2	18 SEPT 2015

Key Plan:



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REGISTERED PROFESSIONAL ENGINEER
PAUL O. MCGRATH
No. M23930
MECHANICAL
STATE OF CALIFORNIA

Sheet Name:

MECHANICAL SCHEDULES

Project No.:	Sheet No.:
Project Number	M0.03
Drawn By: Author	
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Scale:	

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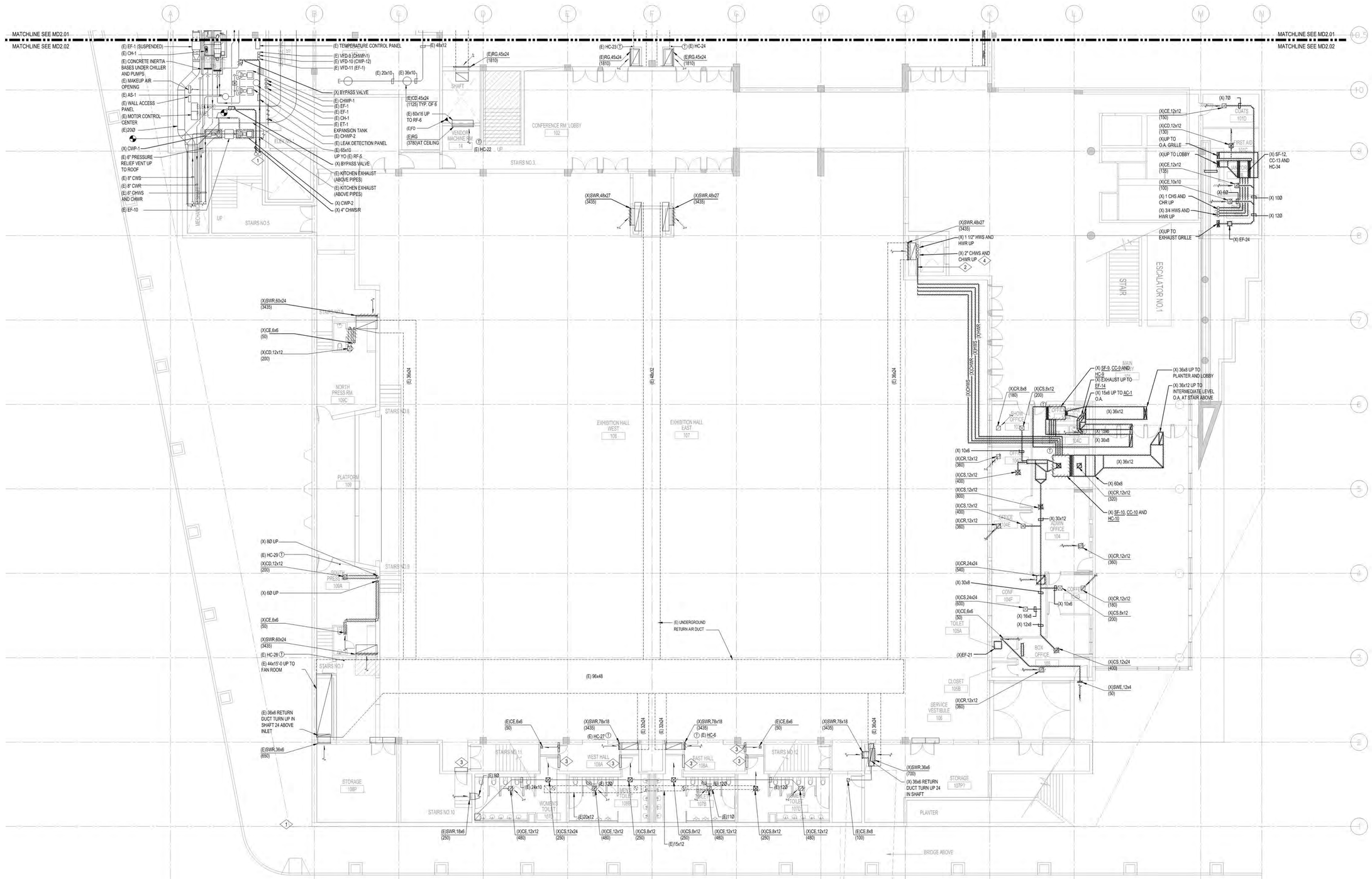
SHEET NOTES

A. (E) HEATING COILS SHALL BE CLEANED PRIOR TO INSTALLATION OF NEW DUCTWORK.

2

NUMBERED NOTES

1. DEMO CHWS/R PIPES FROM LEVEL 1 TO LEVEL 2 CEILING. REFER TO DRAWING MD2.03.
2. SEE ARCHITECTURAL DEMOLITION DRAWING. REMOVE WALL AS REQUIRED TO INSTALL NEW MECHANICAL.
3. (E) DOOR GRILLE.
4. DEMO 2" CHWS/R UP TO MEZZANINE LEVEL



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2	ADDENDUM 2	18 SEPT 2015

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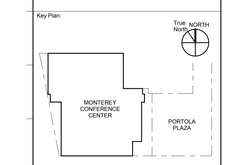

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PAUL D. McGRATH
No. M23980
MECHANICAL
STATE OF CALIFORNIA

Sheet Name:

MECHANICAL LEVEL 1 DEMOLITION PLAN – SOUTH

Project No.: Project Number	Sheet No.: MD2.01.1
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Scale: 1/8" = 1'-0"	

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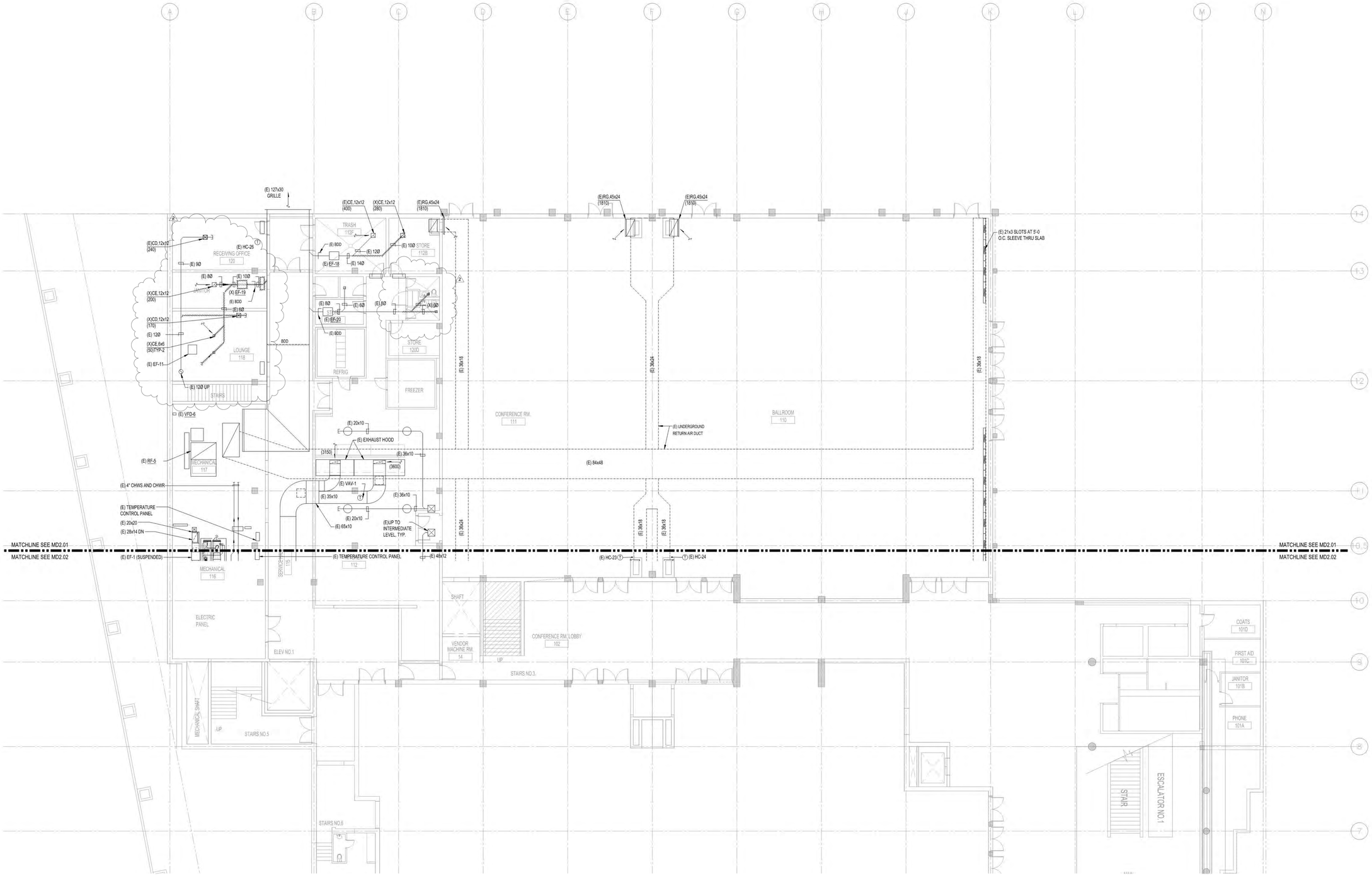

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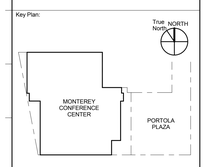

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No. M33880
MECHANICAL
STATE OF CALIFORNIA

Sheet Name:

MECHANICAL LEVEL 1 DEMOLITION PLAN - NORTH

Project No.:	Sheet No.:
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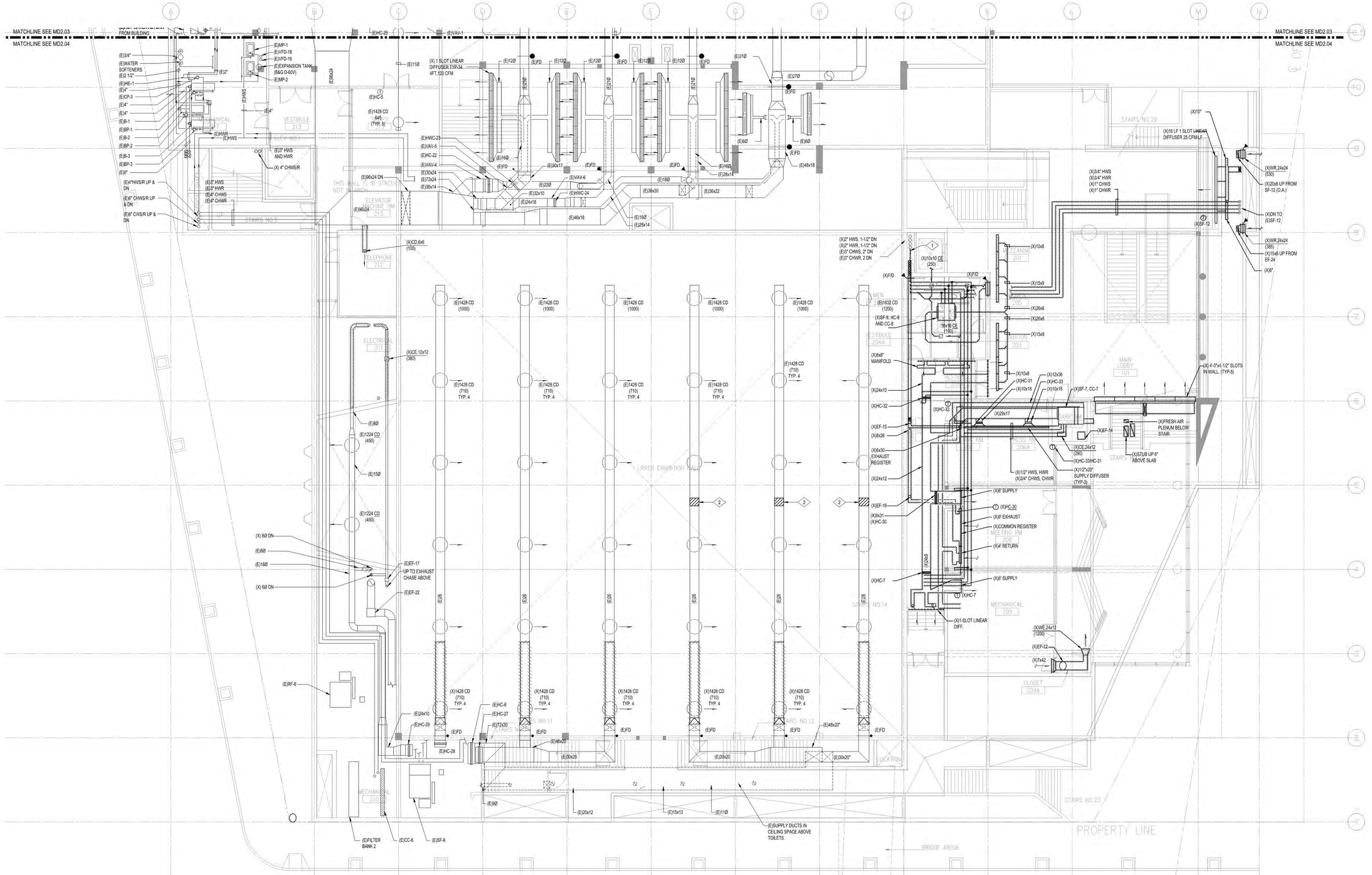
SHEET NOTES

2. A. (E) HEATING COILS SHALL BE CLEANED PRIOR TO INSTALLATION OF NEW DUCTWORK.

NUMBERED NOTES

1. SEE ARCHITECTURAL DEMOLITION DRAWING. REMOVE WALL AS REQUIRED TO INSTALL NEW MECHANICAL.
2. REMOVE SECTION OF (E) DUCT AS REQUIRED TO INSTALL SM INTERNAL DIVIDER FOR UPGRADE. REFER TO SHEET M2.02.1.



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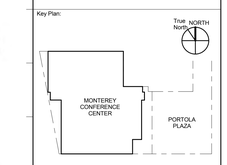

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PAUL O. MCGRATH
No. M35980
MECHANICAL
STATE OF CALIFORNIA

Sheet Name:

MECHANICAL MEZZANINE LEVEL DEMOLITION PLAN - SOUTH

Project No.: Project Number	Sheet No.: MD2.02.1
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SHEET NOTES

A. PRIOR TO COMMENCEMENT OF DEMOLITION, PRESSURE TEST (E) ROOFTOP DUCTWORK, AND SUBMIT A PLAN TO REPAIR ANY LEAKS FOUND.

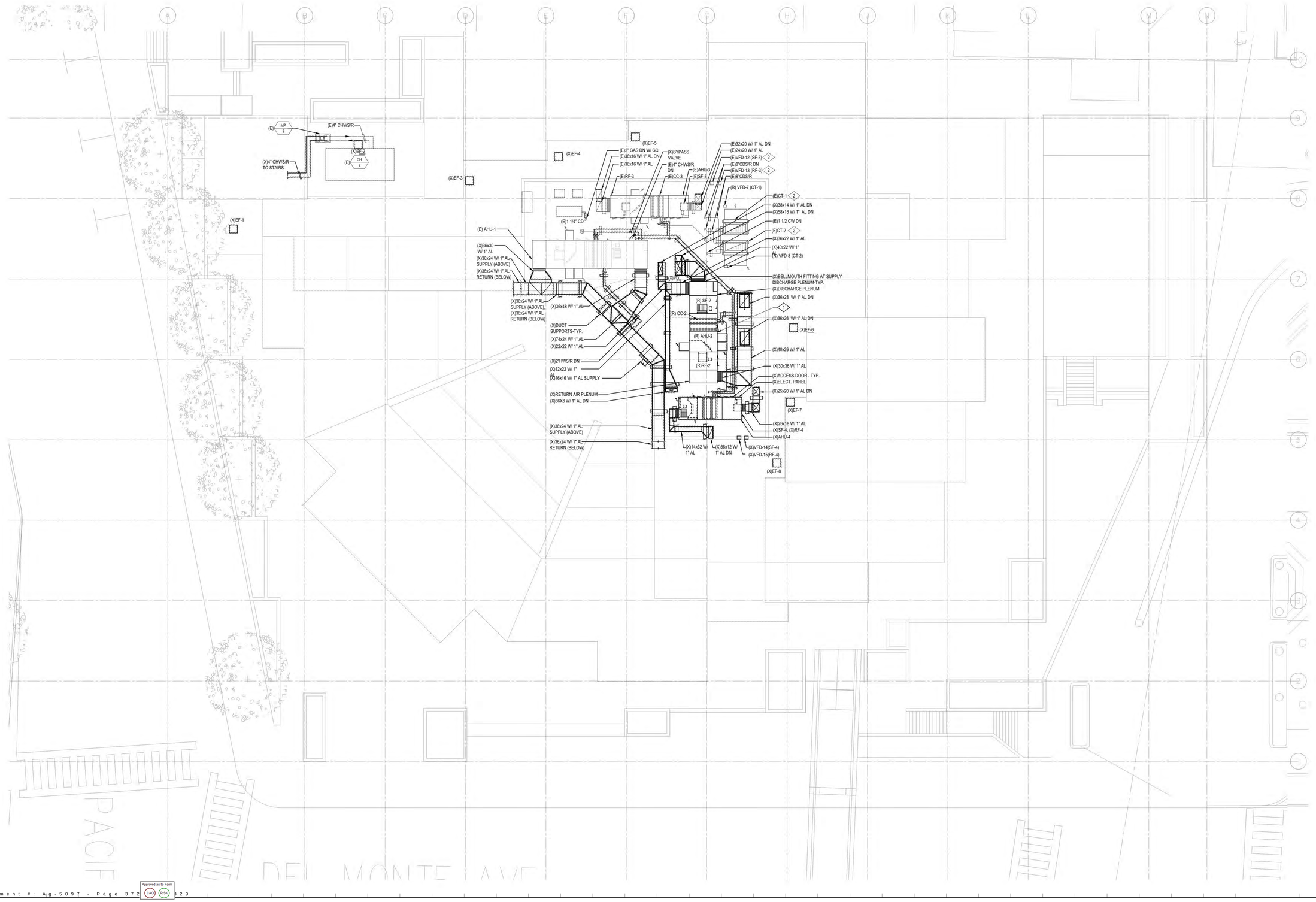
B. SEAL AND PROTECT ALL DUCT OPENINGS TO AHU-1 AND AHU-3

2

NUMBERED NOTES

1 RELOCATE EXISTING UNIT TO LOCATION SHOWN ON SHEET M2.04. PROVIDE AND INSTALL NEW ROOF CURB FOR UNIT.

2 EXISTING TO REMAIN IN EXISTING LOCATION. PROTECT IN PLACE.



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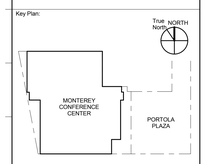

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No. M20890
MECHANICAL
STATE OF CALIFORNIA

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MECHANICAL ROOF DEMOLITION PLAN

Project No.: Project Number
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Sheet No.: MD2.04

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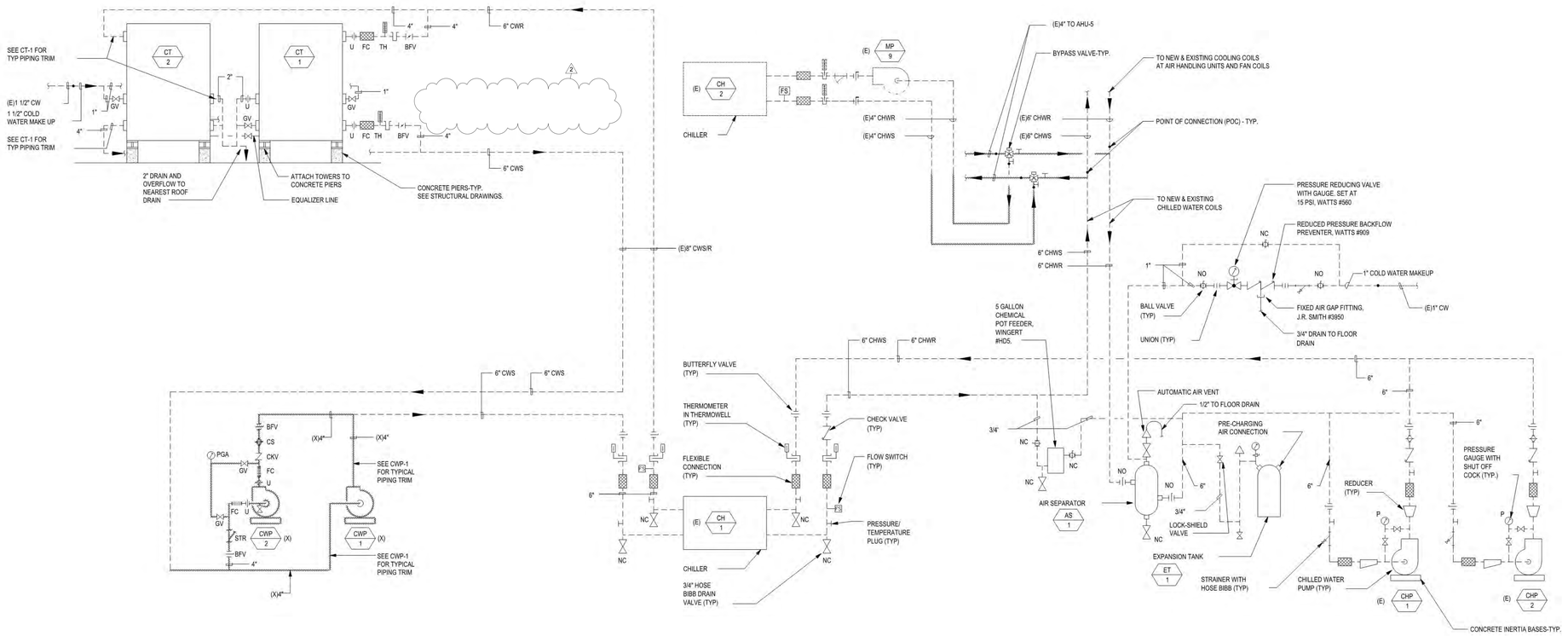
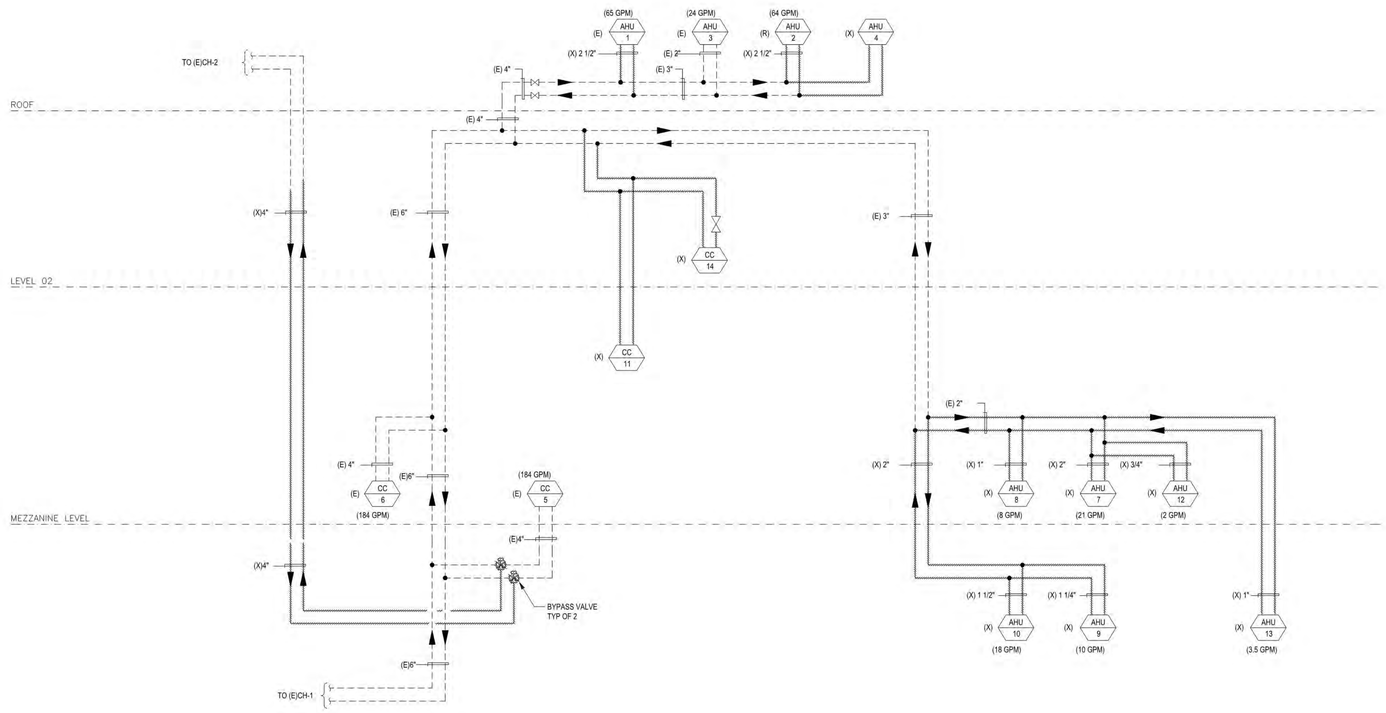


1 EXISTING CHILLED WATER AND CONDENSER WATER SYSTEM DEMO DIAGRAM

SCALE: NONE



2 EXISTING CHILLED WATER COIL RISER DEMO DIAGRAM

SCALE: NONE

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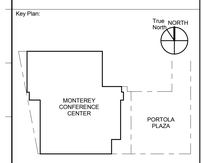

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PAUL O. MCGRATH
No. M35980
MECHANICAL
STATE OF CALIFORNIA

Sheet Name:

MECHANICAL CHILLED WATER AND CONDENSER WATER PIPING DEMO DIAGRAM

Project No.:	Sheet No.:
Project Number	MD4.01
Drawn By: Author	
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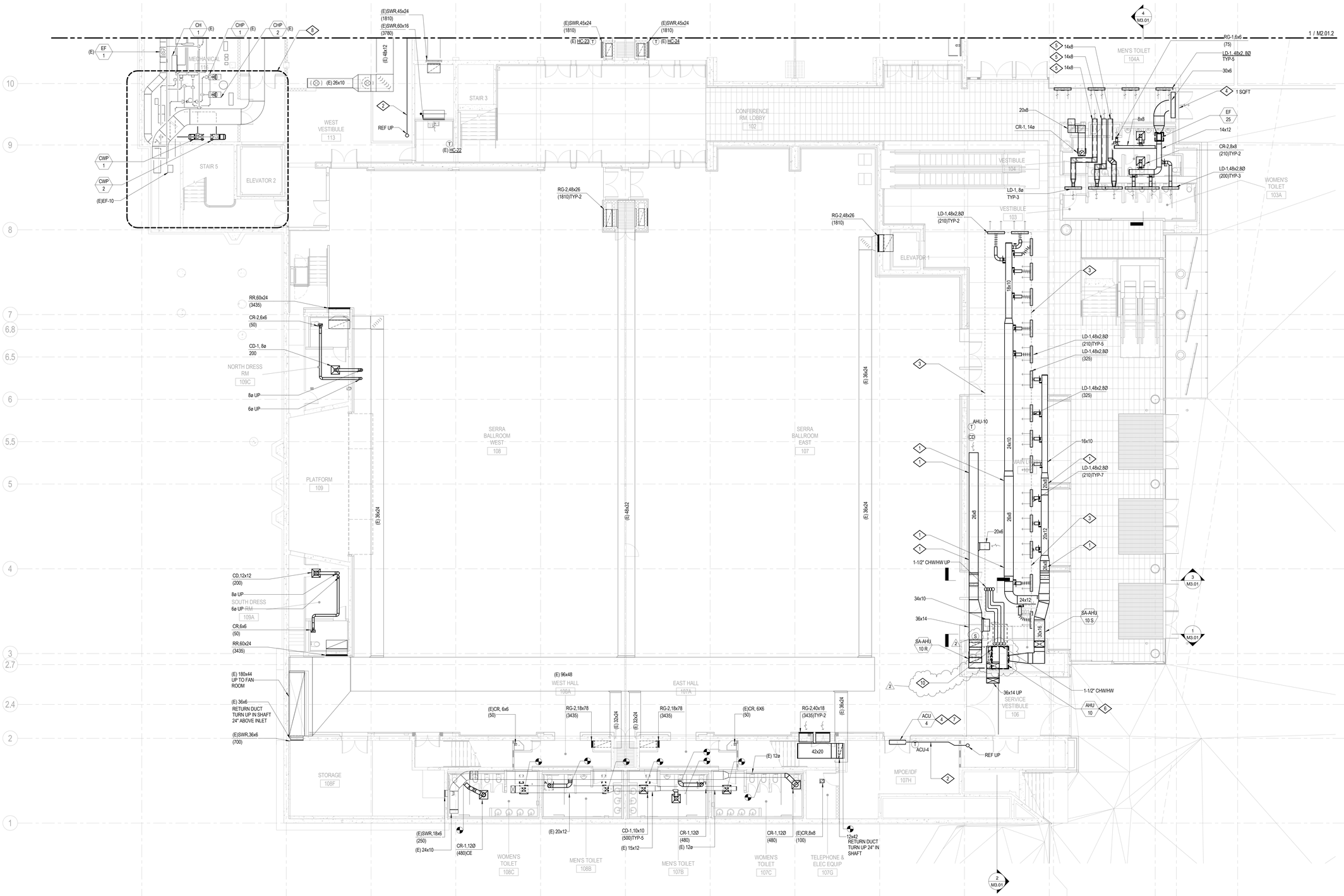
Agreement #: Ag-5097 - Page 372 of 429

NUMBERED NOTES:

1. DUCT THRU EXISTING BEAM PENETRATION TO BE ENLARGED OR NOTCH TO BE ADDED. REFER TO STRUCTURAL DRAWINGS.
2. 3/8" LIQUID AND 5/8" GAS REFRIGERANT PIPES FROM INDOOR AC UNIT (ACU) TO OUTSIDE CONDENSING UNIT (CU). COORDINATE PIPE ROUTING TO AVOID CONFLICTS WITH EXISTING BUILDING SERVICES AND STRUCTURE.
3. PROVIDE CONTINUOUS LD-1 2" LINEAR SLOT FOR RETURN AIR. PROVIDE MITERED CORNERS.
4. UNIT MOUNTED ON WALL ABOVE DOOR. PROVIDE FACTORY REFRIGERANT FITTINGS AND ACCESSORIES AS RECOMMENDED BY UNIT MFG. ALSO, PROVIDE WITH FACTORY CONDENSATE PUMP.
5. 14X12 TRANSFER DUCT WITH 1" AL.
6. PROVIDE 15 FT AL DUCTWORK ON SUPPLY AND RETURN DUCTWORK FROM AHU CONNECTIONS.
7. PROVIDE TEMPERATURE SENSOR FOR BMS MONITORING.
8. REFER TO SHEET M4.01 FOR PIPING DIAGRAM.
9. ARCH LOUVER. NFA SIZE AS NOTED.
10. 4" CONCRETE CURB. REFER TO STRUCTURAL, INCLUDING DRAWING 01/S5.13.

SHEET NOTES:

A. INSTALL MANUAL VOLUME DAMPERS FOR ALL DUCT BRANCHES TO AN AIR DEVICE. FOR LOCATIONS WHERE THE VOLUME DAMPER IS NOT EASILY ACCESSIBLE, PROVIDE A REMOTE CABLE DAMPER CONTROLLER. REFER TO DETAIL #13 ON SHEET M5.01.



1 LEVEL 1- HVAC PLAN - SOUTH
1/8" = 1'-0"

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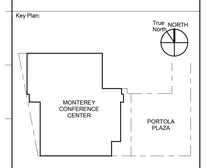

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REGISTERED PROFESSIONAL ENGINEER
PAUL D. MCGRATH
No. M20880
MECHANICAL
STATE OF CALIFORNIA

Sheet Name:

MECHANICAL LEVEL 1 PLAN – SOUTH

Project No.: Project Number	Sheet No.: M2.01.1
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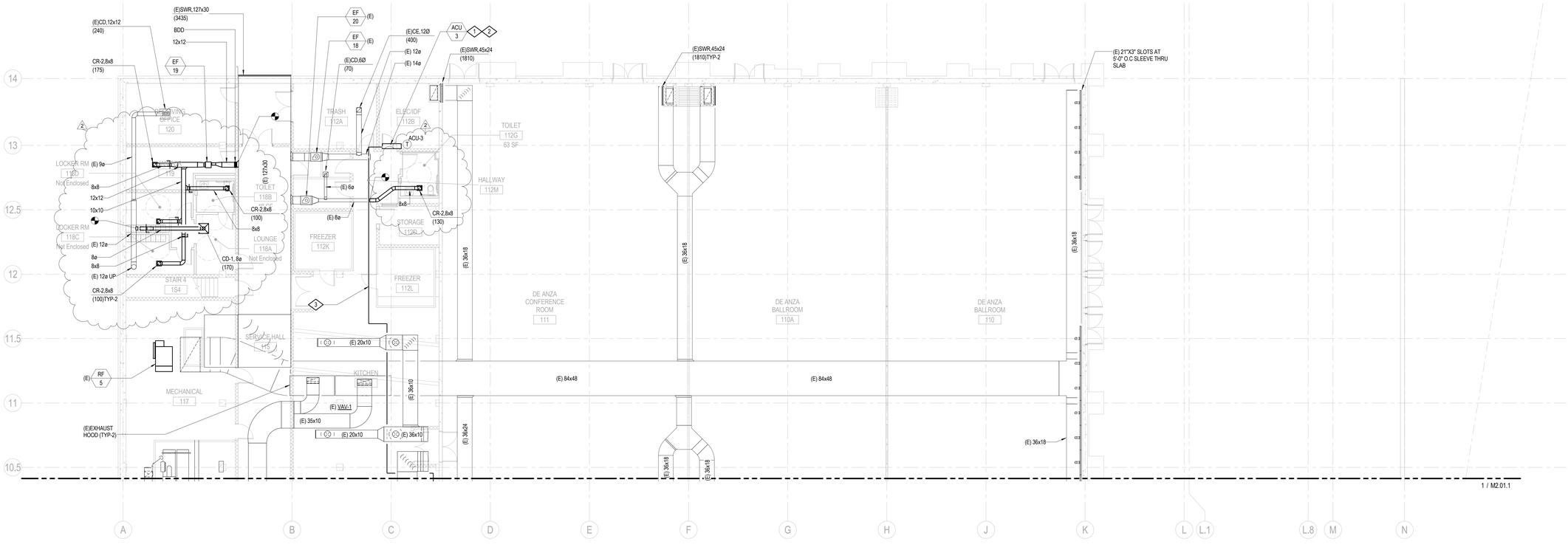
NUMBERED NOTES:

1. PROVIDE TEMPERATURE SENSOR FOR BMS MONITORING.
2. UNIT MOUNTED ON WALL ABOVE DOOR. PROVIDE FACTORY REFRIGERANT FITTINGS AND ACCESSORIES AS RECOMMENDED BY UNIT MFG. ALSO, PROVIDE WITH FACTORY CONDENSATE PUMP.
3. 3/8" LIQUID AND 5/8" GAS REFRIGERANT PIPES FROM INDOOR AC UNIT (ACU) TO OUTSIDE CONDENSING UNIT (CU). COORDINATE PIPE ROUTING TO AVOID CONFLICTS WITH EXISTING BUILDING SERVICES AND STRUCTURE.



1 / M2.01.1

1 LEVEL 1- HVAC PLAN - NORTH
1/8" = 1'-0"

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Key Plan:

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REGISTERED PROFESSIONAL ENGINEER
PAUL O. MCGRATH
No. M33980
MECHANICAL
STATE OF CALIFORNIA

Sheet Name:

MECHANICAL LEVEL 1 PLAN - NORTH

Project No.:	Sheet No.:
Project Number	M2.01.2
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9/2015 5:17:32 PM

NUMBERED NOTES:

1. HWS/R AND CHWS/R LINES TO AHU-7 AND AHU-8. CHWS/R PIPES DOWN TO LEVEL 1 FOR AHU-1.
2. REMOVEABLE ARCH LOUVERED WALL FOR AHU REPLACEMENT. NFA SIZE AS NOTED. OA DUCTWORK CONNECTED TO 2 FT DEEP PLENUM BOX SECTION.
3. INSTALL SM INTERNAL DIVIDER IN (E) DUCT TO SEPARATE AIR FLOW BETWEEN VAV BOXES.
4. PROVIDE CONTINUOUS LD-1 2" LINEAR SLOT FOR RETURN AIR. PROVIDE MITERED CORNERS.
5. PROVIDE TEMPERATURE SENSOR FOR BMS MONITORING.
6. OUTDOOR CONDENSING UNIT FOR DX SPLIT SYSTEM.
7. EXHAUST AIR DUCT UP TO (E) ARCH LOUVER ON ROOF. NFA SIZE AS NOTED.
8. EXTRACTION ARM.
9. CONNECT TO ARCH LOUVER. RELIEF AIR DUCTWORK CONNECTED TO 2 FT DEEP PLENUM BOX SECTION. NFA SIZE AS NOTED.
10. INDOOR DX SPLIT SYSTEM UNIT. REFER TO ROOF PLAN ON SHEET M2.04 FOR LOCATION OF ASSOCIATED OUTDOOR CONDENSING UNIT.
11. CONFIRM EXACT DIMENSIONS IN THE FIELD OF FILTER RACK. PROVIDE REPLACEMENT FILTER RACKS TO REPLACE EXISTING RACKS.
12. REPLACE VALVE OF EXISTING COOLING COIL WITH 3-WAY VALVE.
13. M-AA-1: PROVIDE DEDUCTIVE ALTERNATE COST TO KEEP EXISTING AS SHOWN ON MD2.02.1, BUT MODIFY CONTROLS TO PROVIDE REPLACEMENT TEMPERATURE SENSORS.
14. 24" x 8" TRANSFER DUCT WITH 1" AL.
15. PROVIDE ACOUSTIC ELBOW ON RETURN AIR INLET PER 12/M5.01,TYP
16. PROVIDE 15 FT AL DUCTWORK FROM ON SUPPLY AND RETURN DUCT SIDE AHU CONNECTIONS.
17. WRAP VAV UNIT CABINET WITH KINETICS NOISE BARRIER 2 PSF KNM-200AL OR EQUIVALENT OVER 2" THICK, 5 PCF FIBERGLASS.
18. UNIT MOUNTED ON WALL ABOVE DOOR. PROVIDE FACTORY REFRIGERANT FITTINGS AND ACCESSORIES AS RECOMMENDED BY UNIT MFG. ALSO, PROVIDE WITH FACTORY CONDENSATE PUMP.
19. 3/8" LIQUID AND 5/8" GAS REFRIGERANT PIPES FROM INDOOR AC UNIT (ACU) TO OUTSIDE CONDENSING UNIT (CU). COORDINATE PIPE ROUTING TO AVOID CONFLICTS WITH EXISTING BUILDING SERVICES AND STRUCTURE.
20. DUCT THRU BEAM PENETRATION. REFER TO STRUCTURAL.
21. 4" CONCRETE CURB. REFER TO STRUCTURAL, INCLUDING DRAWING 01/SS.13.
22. PROVIDE TEMPERATURE SENSOR FOR BMS MONITORING

SHEET NOTES:

A. INSTALL MANUAL VOLUME DAMPERS FOR ALL DUCT BRANCHES TO AN AIR DEVICE. FOR LOCATIONS WHERE THE VOLUME DAMPER IS NOT EASILY ACCESSIBLE, PROVIDE A REMOTE CABLE DAMPER CONTROLLER. REFER TO DETAIL #13 ON SHEET M5.01.

1 MEZZANINE LEVEL- HVAC PLAN - SOUTH
1/8" = 1'-0"

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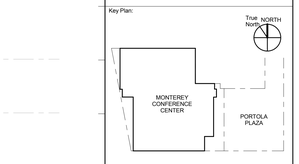
Key Plan:



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PAUL O. MCGRATH
No. M20980
MECHANICAL
STATE OF CALIFORNIA

Sheet Name:

MECHANICAL MEZZANINE LEVEL PLAN – SOUTH

Project No.:	Sheet No.:
Project Number	M2.02.1
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Checked By: Checker	
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9/2/2015 5:17:39 PM

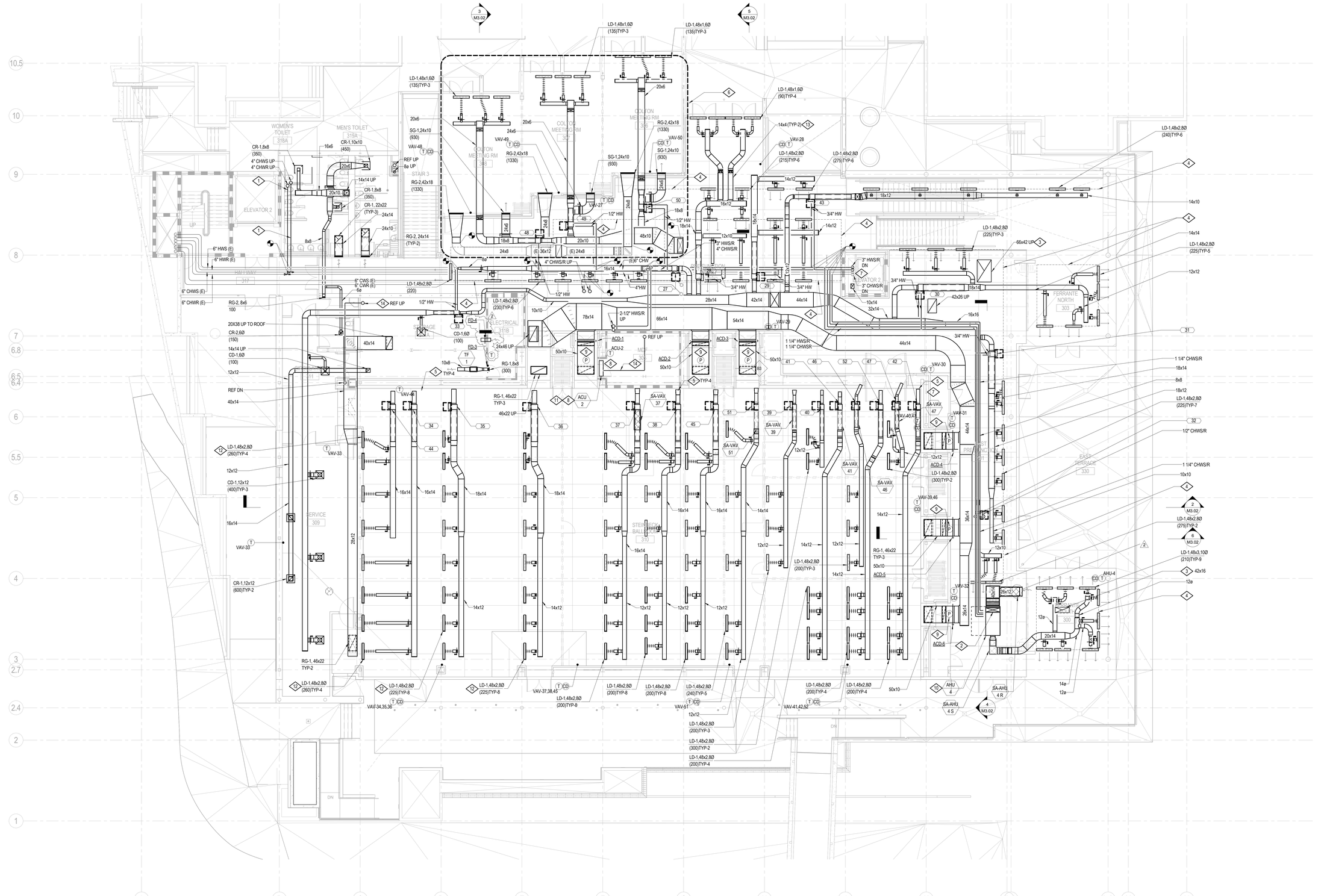
NUMBERED NOTES:

1. CONNECT (E)CHWS/R PIPES FROM (E)CH-2. DEMO VERTICAL CHWS/R PIPES FROM LEVEL 2 TO LEVEL 1. REFER TO SHEET M02.01 FOR CONTINUATION OF DEMOLITION. SEE SHEET M4.01 FOR RISER DIAGRAM.
2. OA DUCT UP TO OA INTAKE HOOD ON ROOF. REFER TO SHEET M2.04.
3. RELIEF AIR DUCT UP TO RELIEF HOOD ON ROOF. REFER TO SHEET M2.04.
4. PROVIDE CONTINUOUS LD-1 2" LINEAR SLOT FOR RETURN AIR. PROVIDE MITERED CORNERS.
5. REFER TO SHEET M2.04 FOR CONTINUATION OF DUCTWORK.
6. M-AA-2: PROVIDE DEDUCTIVE ALTERNATE COST TO KEEP EXISTING AND REPLACE ONLY DIFFUSERS AND BRANCH DUCTWORK. REFER TO SHEET MD2.03.1.
7. CHWS/R AND HWS/R PIPES DN TO MEZZANINE LEVEL. SEE SHEET M2.02.1 FOR CONTINUATION.
8. PROVIDE TEMPERATURE SENSOR FOR BMS MONITORING.
9. PRESSURE SENSOR FOR RETURN AIR PRESSURE CONTROL.
10. WRAP UNIT CABINET WITH KINETICS NOISE BARRIER 2 PSF KNM-200AL OR EQUIVALENT OVER 2" THICK, 5 PCF FIBERGLASS.
11. UNIT MOUNTED ON WALL ABOVE DOOR. PROVIDE FACTORY REFRIGERANT FITTINGS AND ACCESSORIES AS RECOMMENDED BY UNIT MFG. ALSO, PROVIDE WITH FACTORY CONDENSATE PUMP.
12. PROVIDE 5 FT LONG ACOUSTIC FLEX DUCT BEFORE DIFFUSERS.
13. REDUCE DUCT INSULATION THICKNESS TO 1" ONLY WHERE STRUCURAL CAN NOT ACCOMMODATE STANDARD 1-1/2" THICK INSULATION. SPECIFICALLY WHERE CLEARANCE BETWEEN STRUCTURE IS 6".
14. 3/8" LIQUID AND 5/8" GAS REFRIGERANT PIPES FROM INDOOR AC UNIT (ACU) TO OUTSIDE CONDENSING UNIT (CU). COORDINATE PIPE ROUTING TO AVOID CONFLICTS WITH EXISTING BUILDING SERVICES AND STRUCTURE.

SHEET NOTES:

A. INSTALL MANUAL VOLUME DAMPERS FOR ALL DUCT BRANCHES TO AN AIR DEVICE. FOR LOCATIONS WHERE THE VOLUME DAMPER IS NOT EASILY ACCESSIBLE, PROVIDE A REMOTE CABLE DAMPER CONTROLLER. REFER TO DETAIL #13 ON SHEET M5.01.

B. PROVIDE 15 FT AL DUCTWORK FROM AHU CONNECTIONS.



1 LEVEL 2- HVAC PLAN - SOUTH
1/8" = 1'-0"

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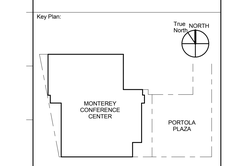
	BID SET	26 AUG 2015
2	ADDENDUM 2	18 SEPT 2015

Key Plan:



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REGISTERED PROFESSIONAL ENGINEER
PAUL O. MCGRATH
No. M20980
MECHANICAL
STATE OF CALIFORNIA

Sheet Name:

MECHANICAL LEVEL 2 PLAN

Project No.:	Sheet No.:
Project Number	M2.03
Drawn By: Author	
Checked By: Checker	
Scale: 1/8" = 1'-0"	

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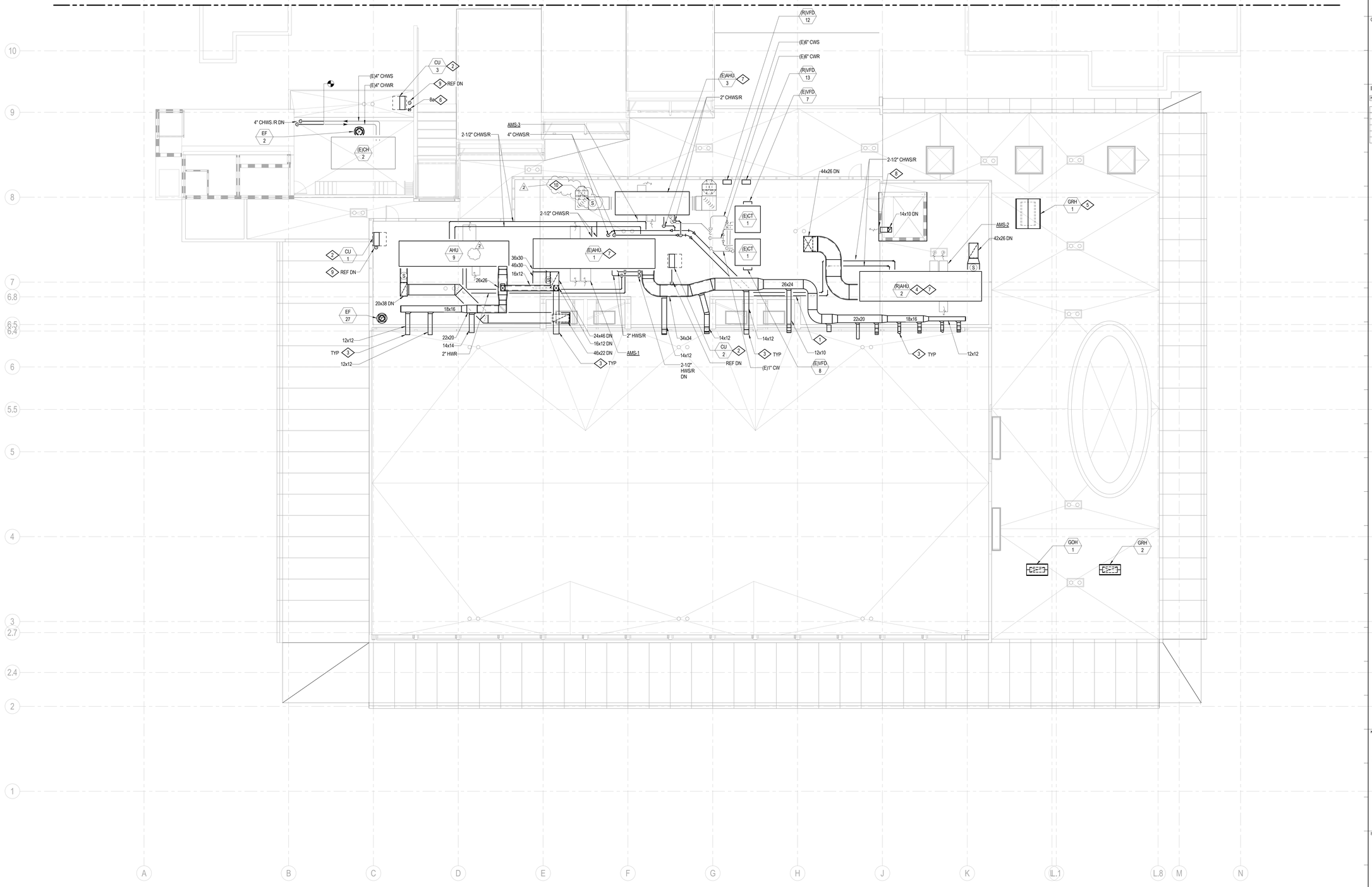
NUMBERED NOTES:

1. RUN CHWS/R PIPING BENEATH DUCTWORK.
2. OUTDOOR CONDENSING UNIT FOR DX SPLIT SYSTEM.
3. REFER TO SHEET M2.03 FOR CONTINUATION OF DUCTWORK.
4. UNIT RELOCATED FROM LOCATION SHOWN ON DEMO SHEET MD2.04. PROVIDE NEW ROOF CURB.
5. RELIEF AIR HOOD WITH BAROMETRIC DAMPER.
6. STAINLESS STEEL NO-LOSS 10" DIAMETER STACKHEAD.
7. PROVIDE OUTSIDE AIR AIRFLOW MEASUREMENT STATION COMPATIBLE WITH THE EXISTING UNITS.
8. CONNECT EXHAUST DUCT TO EXISTING LOUVER.
9. 3/8" LIQUID AND 5/8" GAS REFRIGERANT PIPES FROM INDOOR AC UNIT (ACU) TO OUTSIDE CONDENSING UNIT (CU). COORDINATE PIPE ROUTING TO AVOID CONFLICTS WITH EXISTING BUILDING SERVICES AND STRUCTURE.
10. INSTALL DUCT SMOKE DETECTOR AND ACCESS DOOR IN (E) DUCTWORK.

SHEET NOTES:

A. PROVIDE 15 FT AL DUCTWORK FROM AHU CONNECTIONS.



1 (E) ROOF LEVEL - HVAC PLAN
1/8" = 1'-0"

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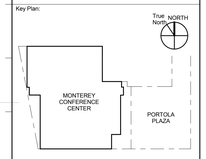
2	ADDENDUM 2	18 SEPT 2015

Key Plan:



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PAUL O. MCGRATH
No. M23930
MECHANICAL
STATE OF CALIFORNIA

Sheet Name:

MECHANICAL ROOF PLAN

Project No.:	Sheet No.:
Project Number	
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Checked By: Checker	
Scale: 1/8" = 1'-0"	M2.04

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Agreement #: Ag-5097 - Page 372 of 429

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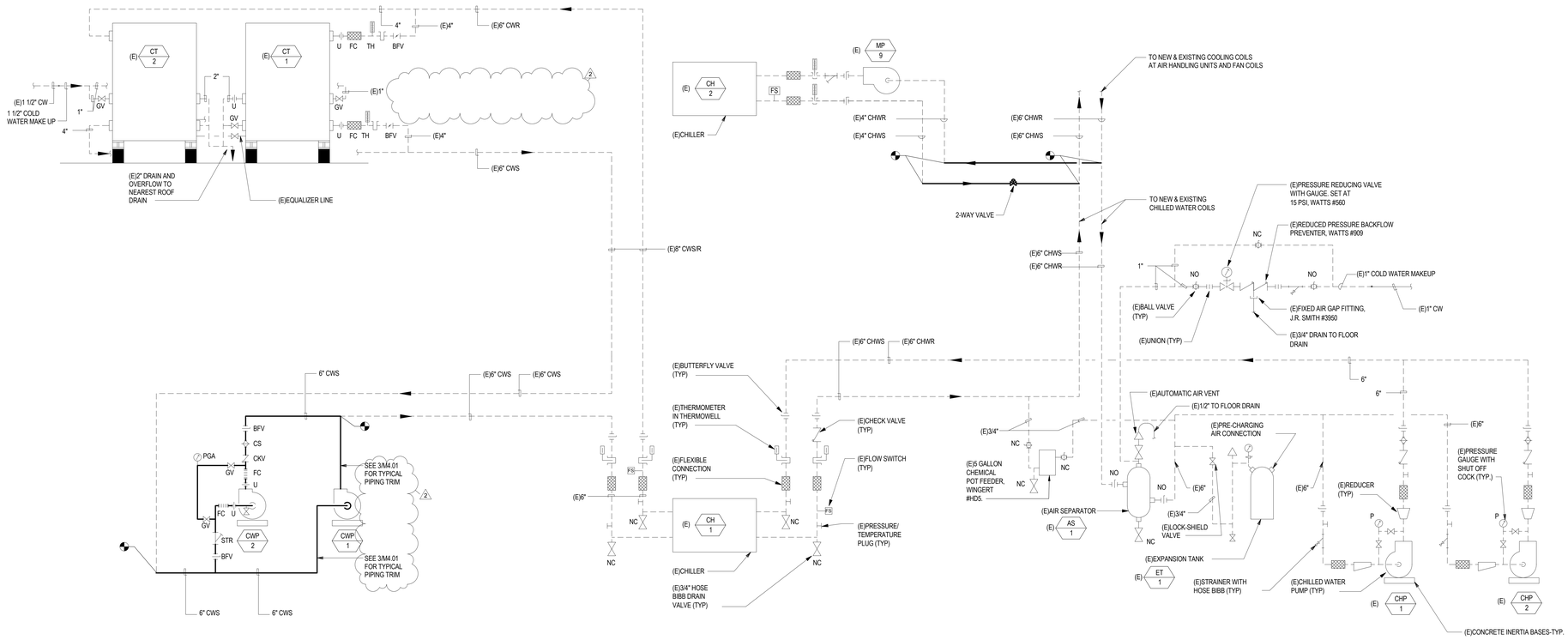
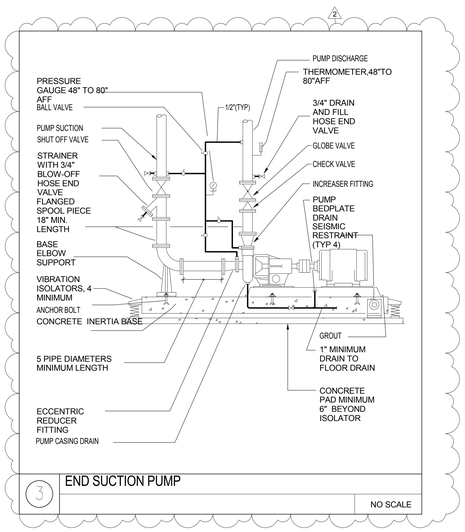
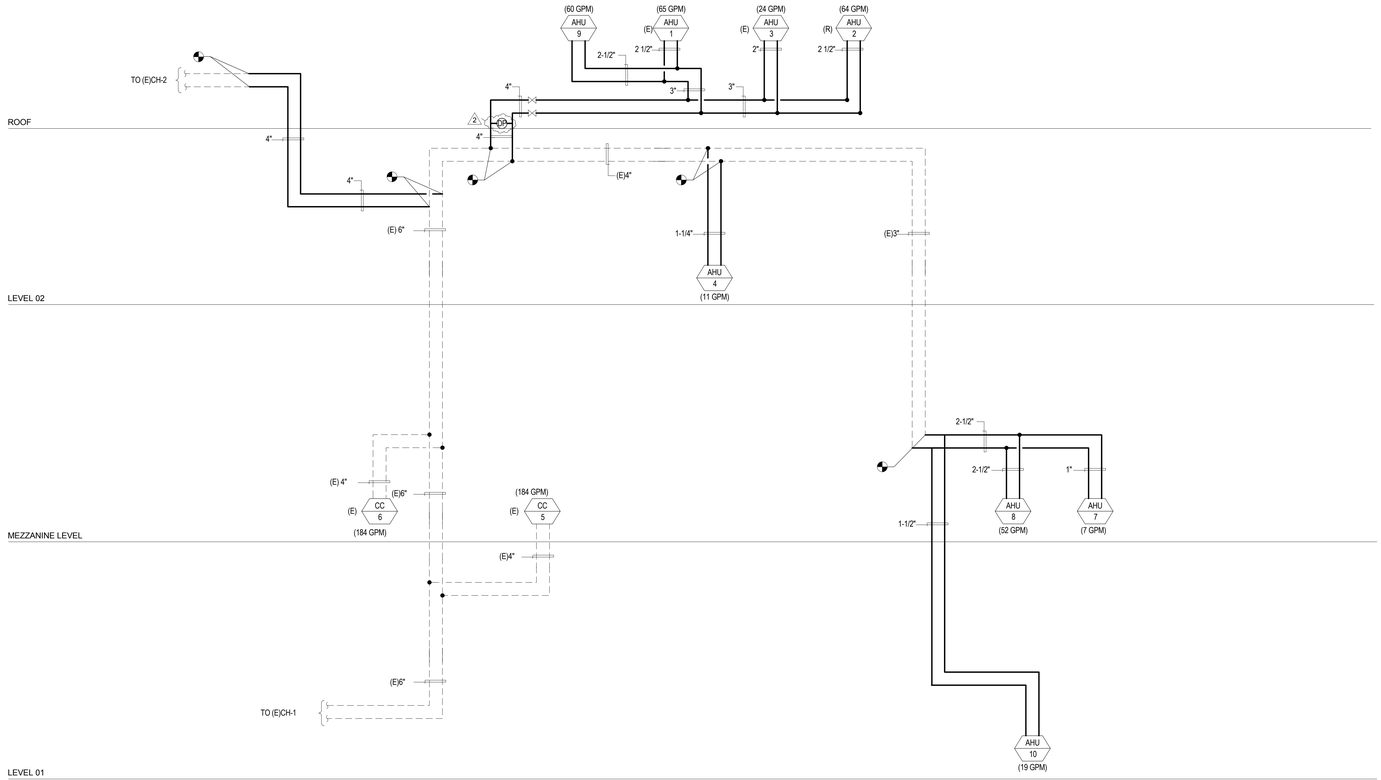


1 CHILLED WATER AND CONDENSER WATER SYSTEM DIAGRAM

SCALE: NONE



3 END SUCTION PUMP — NO SCALE



2 CHILLED WATER COIL RISER DIAGRAM

SCALE: NONE

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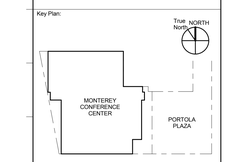
Key Plan:



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REGISTERED PROFESSIONAL ENGINEER
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No. M33980
MECHANICAL
STATE OF CALIFORNIA

Sheet Name:

MECHANICAL CHILLED WATER AND CONDENSER WATER PIPING DIAGRAM

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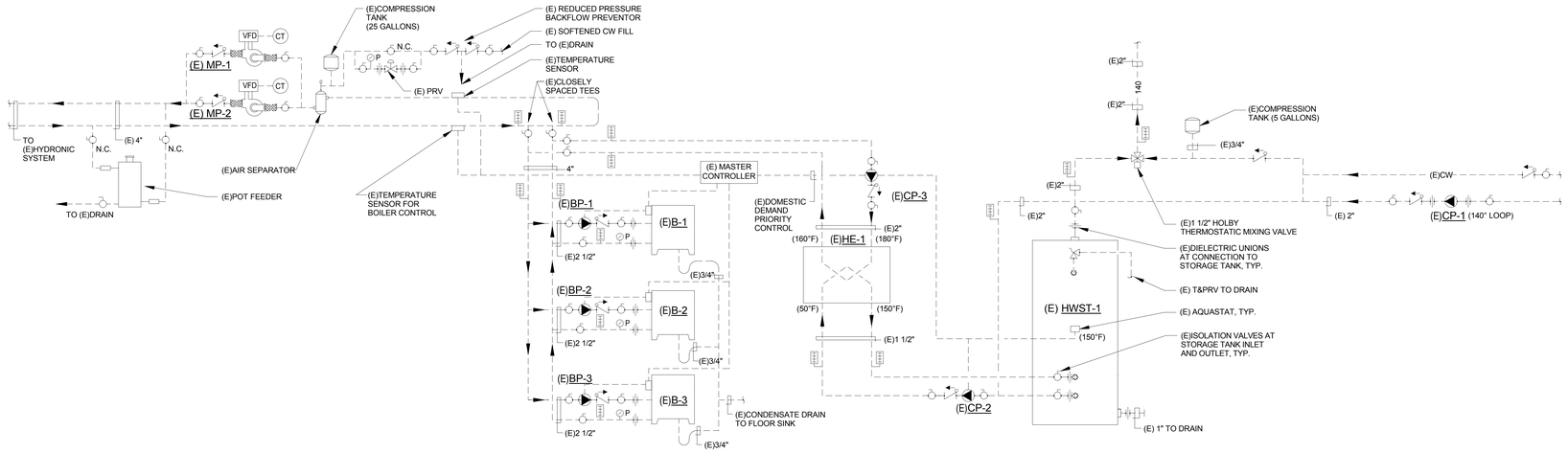
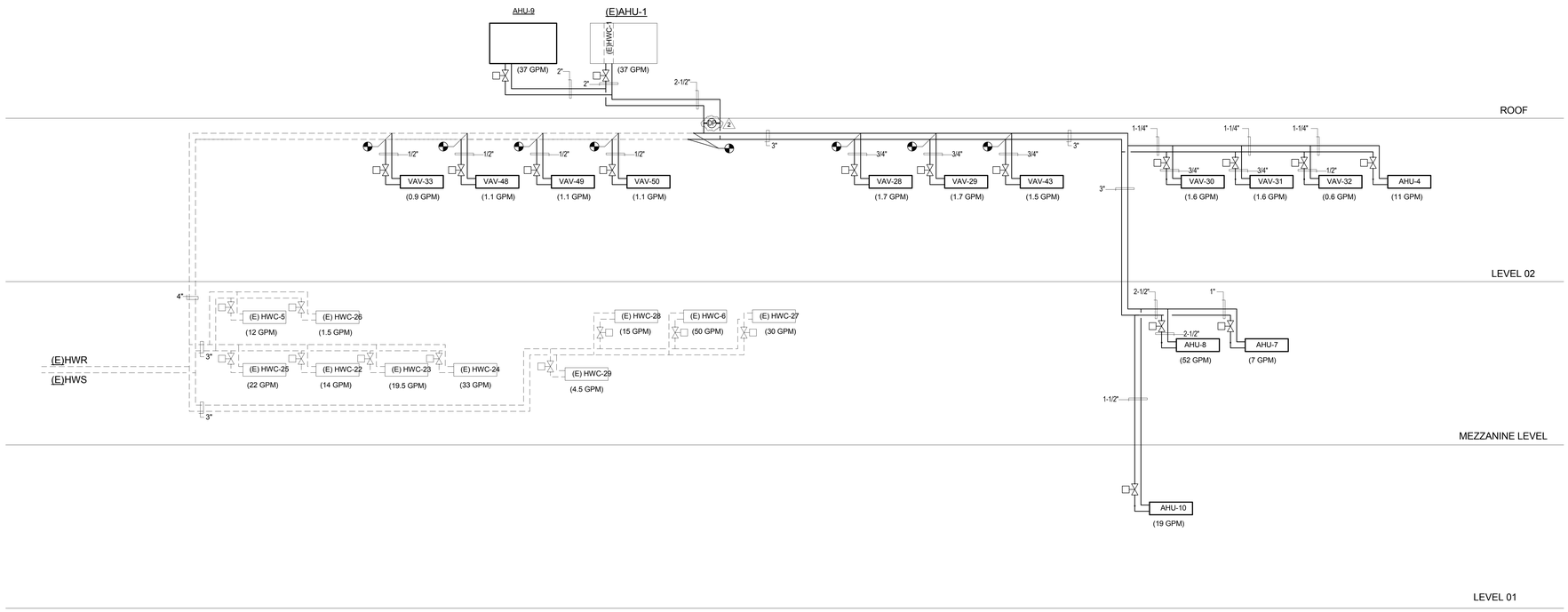


1 M5.2 **BOILER ROOM PIPING SCHEMATIC**

SCALE: NO SCALE



2 M5.2 **HOT WATER COIL RISER DIAGRAM**

SCALE: NO SCALE

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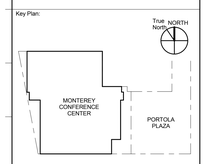
Key Plan:



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MECHANICAL
STATE OF CALIFORNIA

Sheet Name:

MECHANICAL
HOT WATER
PIPING DIAGRAM

Project No.: Project Number	Sheet No.: M4.02
Drawn By: Author	
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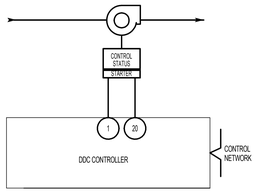
TOILET EXHAUST FAN SYSTEM - CENTRAL CONTROL:

A. GENERAL:
   1. EF-2, (E)EF-11, EF-13, (E)EF-17, (E)EF-18, (E)EF-19, (E)EF-20, (E)EF-22, EF-25, TF-1, EF-27.
   2. SEE SPECIFICATION SECTION "23 09 93 SEQUENCE OF OPERATIONS FOR HVAC CONTROLS" FOR COMPLETE SEQUENCE OF OPERATIONS.

NUMBERED NOTES

CONTROLLER INPUTS:
1. BI-FAN STATUS.

CONTROLLER OUTPUTS:
20. BO-FAN START/STOP



3c SEQUENCE OF OPERATIONS
NO SCALE

3b POINTS LIST
NO SCALE

3a CONTROL DIAGRAM
NO SCALE

3 TOILET AND GENERAL EXHAUST FAN SYSTEM - CENTRAL CONTROL
CONTROL DIAGRAM, POINTS LIST, SEQUENCE OF OPERATION

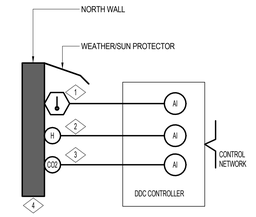
GLOBAL CONTROL POINTS:

A. GENERAL:
   1. OA CONDITIONS.
   2. SEE SPECIFICATION SECTION "23 09 93 SEQUENCE OF OPERATIONS FOR HVAC CONTROLS" FOR COMPLETE SEQUENCE OF OPERATIONS.

NUMBERED NOTES

1. GLOBAL OUTSIDE AIR TEMPERATURE SENSOR
2. GLOBAL OUTSIDE AIR HUMIDITY SENSOR
3. GLOBAL OUTSIDE AIR CO2 SENSOR
4. LOCATE OA SENSORS ON NORTH SIDE OF BUILDING OUT OF DIRECT SUNLIGHT.

CONTROLLER INPUTS:
1. AI-OA TEMPERATURE.
2. AI-OA HUMIDITY.
3. AI-OA CO2 LEVEL



2c SEQUENCE OF OPERATIONS
NO SCALE

2b POINTS LIST
NO SCALE

2a CONTROL DIAGRAM
NO SCALE

2 GLOBAL CONTROL POINTS (T/H/CO2)
CONTROL DIAGRAM, POINTS LIST, SEQUENCE OF OPERATION

AIR HANDLING UNIT - EXHIBITION LEVEL:

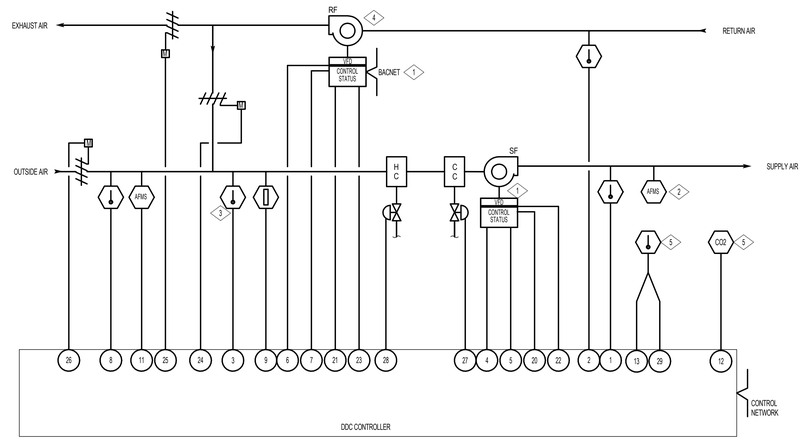
A. GENERAL:
   1. (E)AHU-1, AHU-7, AHU-8, AHU-9, AHU-10
   2. SEE SPECIFICATION SECTION "23 09 93 SEQUENCE OF OPERATIONS FOR HVAC CONTROLS" FOR COMPLETE SEQUENCE OF OPERATIONS.

NUMBERED NOTES

1. PROVIDE BACNET INTERFACE TO EACH SUPPLY AND RETURN FAN VARIABLE FREQUENCY DRIVES. PROVIDE AT A MINIMUM DRIVE FAULT, ALARM STATUS, OUTPUT FREQUENCY, OUTPUT CURRENT, OUTPUT KW AND ACCUMULATED KWH.
2. FOR AHUS WITH VAV BOXES DOWNSTREAM, THE AIR HANDLING UNIT SUPPLY AIR FLOW TO BE CALCULATED FROM THE SUM OF ALL ASSOCIATED DOWNSTREAM VAV BOX SUPPLY AIR FLOWS.
3. PROVIDE AVERAGING MIXED AIR TEMPERATURE SENSOR.
4. OMIT RF FOR AHU-7
5. AHU-8, AHU-10 ONLY

CONTROLLER INPUTS:
1. AI-SUPPLY AIR TEMPERATURE
2. AI-RETURN AIR TEMPERATURE
3. AI-MIXED AIR TEMPERATURE
4. BI-SUPPLY FAN VFD FAULT
5. AI-SUPPLY FAN VFD FEEDBACK
6. BI-RETURN FAN VFD FAULT
7. AI-RETURN FAN VFD FEEDBACK
8. AI-OUTSIDE AIR TEMPERATURE
9. AI-FILTER DIFFERENTIAL PRESSURE
10. AI-SUPPLY AIR STATIC PRESSURE
11. AI-OUTSIDE AIRFLOW
12. AI-CARBON DIOXIDE LEVEL
13. AI-ROOM TEMPERATURE

CONTROLLER OUTPUTS:
20. BO-SUPPLY FAN VFD START/STOP
21. BO-RETURN FAN VFD START/STOP
22. AO-SUPPLY FAN VFD SPEED
23. AO-RETURN FAN VFD SPEED
24. AO-RETURN AIR DAMPERS
25. AO-EXHAUST AIR DAMPERS
26. AO-OUTSIDE AIR DAMPERS
27. AO-CHILLED WATER VALVE
28. AO-HOT WATER VALVE
29. AO-ROOM TEMPERATURE SET POINT



1c SEQUENCE OF OPERATIONS
NO SCALE

1b POINTS LIST
NO SCALE

1a CONTROL DIAGRAM
NO SCALE

1 AIR HANDLING UNITS - HEATING AND COOLING
CONTROL DIAGRAM, POINTS LIST, SEQUENCE OF OPERATION

SHEET NOTES:

1. REFER TO M4.01 FOR CHILLED WATER AND CONDENSER WATER SYSTEM
2. REFER TO M4.02 FOR HOT WATER SYSTEM

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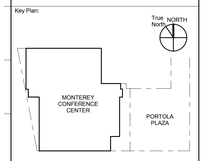
Key Plan:



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REGISTERED PROFESSIONAL ENGINEER
PAUL O. MCRAE
No. M20660
MECHANICAL
STATE OF CALIFORNIA

Sheet Name:

MECHANICAL CONTROL DIAGRAMS

Project No.: Project Number	Sheet No.: 2 M7.01
Drawn By: Author	
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9/2/2015 5:17:59 PM

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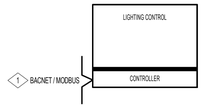
LIGHTING CONTROLS INTEGRATION:

A. GENERAL:
   1. LIGHTING CONTROLS INTEGRATION.
   2. SEE SPECIFICATION SECTION "23 09 93 SEQUENCE OF OPERATIONS FOR HVAC CONTROLS" FOR COMPLETE SEQUENCE OF OPERATIONS
   3. INTEGRATE WITH DEMAND RESPONCE

NUMBERED NOTES

1. BACNET OR MODBUS INTERFACE SHALL INCLUDE AT A MINIMUM STATUS OF EACH LIGHTING ZONE.



CONTROLLER INPUTS:
NO HARDWIRED INPUTS.

CONTROLLER OUTPUTS:
NO HARDWIRED OUTPUTS.

1c SEQUENCE OF OPERATIONS — NO SCALE

1b POINTS LIST — NO SCALE

1a CONTROL DIAGRAM — NO SCALE

1 LIGHTING CONTROL INTEGRATION
CONTROL DIAGRAM, POINTS LIST, SEQUENCE OF OPERATION

MACHINE ROOM MONITORING:

A. GENERAL:
   1. ACU-1, ACU-2, ACU-3 AND ACU-4
B. SYSTEM OFF:
   1. NOT APPLICABLE.
C. SYSTEM START:
   1. THE UNIT SHALL RUN CONTINUOUSLY.
D. SYSTEM OPERATION:
   1. THE UNITS LOCAL CONTROLLER SHALL CONTROL FAN AND COMPRESSOR OPERATION TO MAINTAIN ZONE TEMPERATURE SETPOINTS.
   2. THE BMS SYSTEM SHALL MEASURE THE ZONE TEMPERATURE AND PROVIDE AN ALARM IF ZONE TEMPERATURE RISES ABOVE 85°F (ADJ.) .

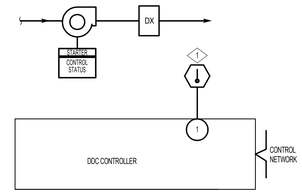
E. SYSTEM STOP:
   1. NOT APPLICABLE.
F. SETPOINTS:
   1. SETPOINTS TO BE SET AT UNITS LOCAL CONTROLLER.
G. ALARMS:
   1. ZONE TEMPERATURE HIGH.

NUMBERED NOTES

1. TEMPERATURE SENSOR BY BMS CONTRACTOR. SEE PLANS FOR LOCATIONS.

CONTROLLER INPUTS:
1. AI-ZONE TEMPERATURE

CONTROLLER OUTPUTS:
NO HARDWIRED OUTPUTS.



2c SEQUENCE OF OPERATIONS — NO SCALE

2b POINTS LIST — NO SCALE

2a CONTROL DIAGRAM — NO SCALE

2 INDOOR DX SPLIT SYSTEM - TEMPERATURE MONITORING ONLY
CONTROL DIAGRAM, POINTS LIST, SEQUENCE OF OPERATION

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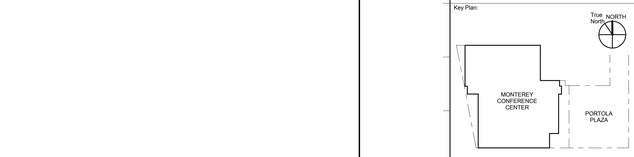

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REGISTERED PROFESSIONAL ENGINEER
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No. M35980
MECHANICAL
STATE OF CALIFORNIA

Sheet Name:

MECHANICAL CONTROL DIAGRAMS

Project No.: Project Number
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Scale: NTS
Sheet No.: M7.02

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VARAIBLE VOLUME TERMINAL UNIT WITH HEATING COIL:

A. GENERAL:
   1. VAV TERMINAL UNITS WITH REHEAT (SEE SCHEDULE FOR QUANTITY).
   2. SEE SPECIFICATION SECTION "230993 SEQUENCE OF OPERATION FOR HVAC CONTROLS" FOR COMPLETE SEQUENCE OF OPERATION.

2c SEQUENCE OF OPERATIONS
NO SCALE

NUMBERED NOTES

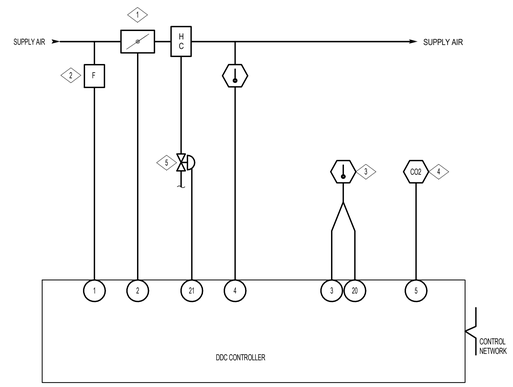
1. MODULATING VAV DAMPER ACTUATOR BY BMS CONTRACTOR.
2. FLOW MEASUREMENT BY VAV MANUFACTURER.
3. TEMPERATURE SENSOR BY BMS CONTRACTOR. SEE PLANS FOR LOCATION.
4. CARBON DIOXIDE SENSOR WHERE APPLICABLE BY BMS CONTRACTOR. SEE PLANS FOR LOCATION.
5. VALVES AND ACTUATORS TO BE PROVIDED BY BMS CONTRACTOR. PROVIDE PROPORTIONAL CONTROL ACTUATORS. PROVIDE 3-WAY VALVES WHERE SHOWN ON MECHANICAL SCHEDULE.

CONTROLLER INPUTS:
1. AI-SUPPLY AIR FLOW
2. AI-DAMPER POSITION
3. AI-ROOM TEMPERATURE
4. AI-SUPPLY AIR TEMPERATURE
5. AI-CARBON DIOXIDE LEVEL (WHERE APPLICABLE)

CONTROLLER OUTPUTS:
20. AO-ROOM TEMPERATURE SETPOINT
21. AO-HEATING CONTROL VALVE

2b POINTS LIST
NO SCALE

2a CONTROL DIAGRAM
NO SCALE



1 VARIABLE AIR VOLUME TERMINAL UNIT WITH HEATING COIL
CONTROL DIAGRAM, POINTS LIST, SEQUENCE OF OPERATION

VARAIBLE VOLUME TERMINAL UNIT - COOLING ONLY:

A. GENERAL:
   1. COOLING ONLY VAV TERMINAL UNITS (SEE SCHEDULE FOR QUANTITY).
   2. SEE SPECIFICATION SECTION "23 09 93 SEQUENCE OF OPERATIONS FOR HVAC CONTROLS" FOR COMPLETE SEQUENCE OF OPERATIONS.

2c SEQUENCE OF OPERATIONS
NO SCALE

NUMBERED NOTES

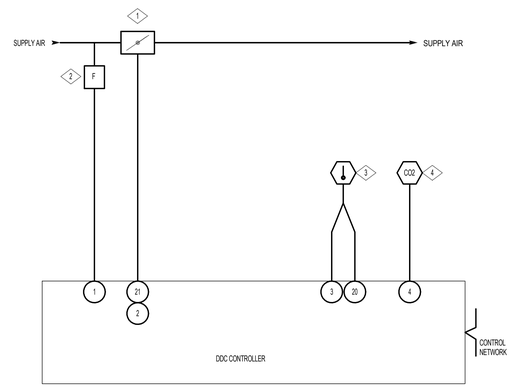
1. MODULATING VAV DAMPER ACTUATOR BY BMS CONTRACTOR.
2. FLOW MEASUREMENT BY VAV MANUFACTURER.
3. TEMPERATURE SENSOR BY BMS CONTRACTOR. SEE PLANS FOR LOCATION.
4. CARBON DIOXIDE SENSOR WHERE APPLICABLE BY BMS CONTRACTOR. SEE PLANS FOR LOCATION.

CONTROLLER INPUTS:
1. AI-SUPPLY AIR FLOW
2. AI-DAMPER POSITION
3. AI-ROOM TEMPERATURE
4. AI-CARBON DIOXIDE LEVEL (WHERE APPLICABLE)

CONTROLLER OUTPUTS:
20. AO-ROOM TEMPERATURE SETPOINT
21. AO-DAMPER CONTROL

2b POINTS LIST
NO SCALE

2a CONTROL DIAGRAM
NO SCALE



2 VARIABLE AIR VOLUME TERMINAL UNIT COOLING ONLY
CONTROL DIAGRAM, POINTS LIST, SEQUENCE OF OPERATION

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL

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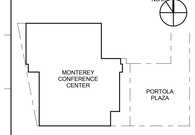
2	ADDENDUM 2	18 SEPT 2015

Key Plan:



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STATE OF CALIFORNIA

Sheet Name:

MECHANICAL CONTROL DIAGRAMS

Project No.: Project Number	Sheet No.: M7.03
Drawn By: Author	
Checked By: Checker	
Scale: NTS	

2

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DUCT MOUNTED COIL:

A. GENERAL:
   1. (E)CC-5, (E)CC-6, (E)HWC-6, (E)HWC-7,(E)HWC-22,(E)HWC-23,(E)HWC-24,(E)HWC-25,(E)HWC-26,(E)HWC-27,(E)HWC-28,(E)HWC-29
   2. SEE SPECIFICATION SECTION "230993 SEQUENCE OF OPERATION FOR HVAC CONTROLS" FOR COMPLETE SEQUENCE OF OPERATION.

1c SEQUENCE OF OPERATIONS
NO SCALE

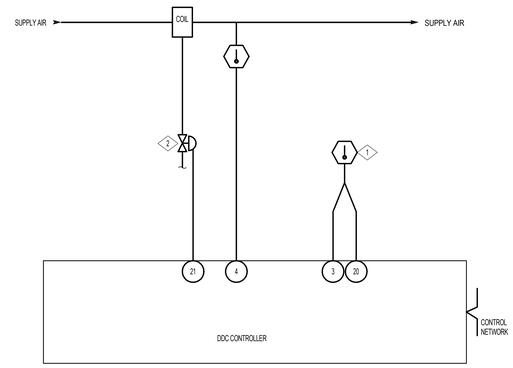
NUMBERED NOTES

1. TEMPERATURE SENSOR BY BMS CONTRACTOR. SEE PLANS FOR LOCATION.
2. VALVES AND ACTUATORS TO BE PROVIDED BY BMS CONTRACTOR. PROVIDE PROPORTIONAL CONTROL ACTUATORS. PROVIDE 3-WAY VALVES WHERE SHOWN ON MECHANICAL SCHEDULE.

CONTROLLER INPUTS:
1. AI-ROOM TEMPERATURE
2. AI-SUPPLY AIR TEMPERATURE

CONTROLLER OUTPUTS:
20. AO-ROOM TEMPERATURE SETPOINT
21. AO-CONTROL VALVE

1b POINTS LIST
NO SCALE



1a CONTROL DIAGRAM
NO SCALE

1 DUCT-MONTED COOLING OR HEATING COIL
CONTROL DIAGRAM, POINTS LIST, SEQUENCE OF OPERATION

AIR HANDLING UNIT - EXHIBITION LEVEL:

A. GENERAL:
   1. (R)AHU-2, (E)AHU-3, AHU-4, (E)AHU-5 [(E)SF-5, (E)RF-5], (E)AHU-6 [(E)SF-6, (E)RF-6]
   2. SEE SPECIFICATION SECTION "23 09 93 SEQUENCE OF OPERATIONS FOR HVAC CONTROLS" FOR COMPLETE SEQUENCE OF OPERATIONS.

2c SEQUENCE OF OPERATIONS
NO SCALE

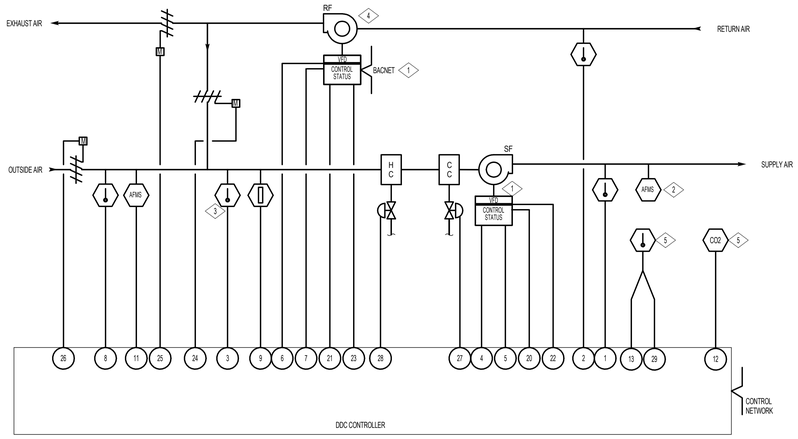
NUMBERED NOTES

1. PROVIDE BACNET INTERFACE TO EACH SUPPLY AND RETURN FAN VARIABLE FREQUENCY DRIVES. PROVIDE AT A MINIMUM DRIVE FAULT, ALARM STATUS, OUTPUT FREQUENCY, OUTPUT CURRENT, OUTPUT KW AND ACCUMULATED KWH.
2. FOR AHUS WITH VAV BOXES DOWNSTREAM, THE AIR HANDLING UNIT SUPPLY AIR FLOW TO BE CALCULATED FROM THE SUM OF ALL ASSOCIATED DOWNSTREAM VAV BOX SUPPLY AIR FLOWS.
3. PROVIDE AVERAGING MIXED AIR TEMPERATURE SENSOR.
4. OMIT RF FOR AHU-4
5. OMIT FOR AHU-5

CONTROLLER INPUTS:
1. AI-SUPPLY AIR TEMPERATURE
2. AI-RETURN AIR TEMPERATURE
3. AI-MIXED AIR TEMPERATURE
4. BI-SUPPLY FAN VFD FAULT
5. AI-SUPPLY FAN VFD FEEDBACK
6. BI-RETURN FAN VFD FAULT
7. AI-RETURN FAN VFD FEEDBACK
8. AI-OUTSIDE AIR TEMPERATURE
9. AI-FILTER DIFFERENTIAL PRESSURE
10. AI-SUPPLY AIR STATIC PRESSURE
11. AI-OUTSIDE AIRFLOW
12. AI-CARBON DIOXIDE LEVEL
13. AI-ROOM TEMPERATURE

CONTROLLER OUTPUTS:
20. BO-SUPPLY FAN VFD START/STOP
21. BO-RETURN FAN VFD START/STOP
22. AO-SUPPLY FAN VFD SPEED
23. AO-RETURN FAN VFD SPEED
24. AO-RETURN AIR DAMPERS
25. AO-EXHAUST AIR DAMPERS
26. AO-OUTSIDE AIR DAMPERS
27. AO-CHILLED WATER VALVE
28. AO-HOT WATER VALVE
29. AO-ROOM TEMPERATURE SET POINT

2b POINTS LIST
NO SCALE



2a CONTROL DIAGRAM
NO SCALE

2 AIR HANDLING UNITS - COOLING ONLY
CONTROL DIAGRAM, POINTS LIST, SEQUENCE OF OPERATION

MONTEREY CONFERENCE CENTER
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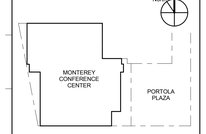

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Sheet Name:
MECHANICAL CONTROL DIAGRAMS

Project No.: Project Number
Drawn By: Author
Checked By: Checker
Scale: NTS
Sheet No.: M7.04

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ELECTRICAL LEGEND AND ABBREVIATIONS

FLOOR BOX LEGEND

POKE THROUGH PEDESTAL	
	COMBINATION DUPLEX RECEPTACLE/TELECOM OUTLET: 125V
	COMBINATION DOUBLE DUPLEX RECEPTACLE/ TELECOM OUTLET: 125V
	TELECOM OUTLET
	POWER CONNECTION TO ELECTRIFIED FURNITURE SYSTEM
	TELECOM CONNECTION TO ELECTRIFIED FURNITURE SYSTEM
POKE THROUGH FLUSH	
	COMBINATION DOUBLE DUPLEX RECEPTACLE/TELECOM OUTLET: 125V
	COMBINATION DUPLEX RECEPTACLE/TELECOM OUTLET: 125V
	POWER CONNECTION TO ELECTRIFIED FURNITURE SYSTEM
	MULTI-SERVICE FLOOR BOX WITH DEVICES AS INDICATED ON PLANS.
	TELECOM CONNECTION TO ELECTRIFIED FURNITURE SYSTEM
	TELECOM OUTLET
RECESSED FLUSH	
	SINGLE RECEPTACLE OUTLET: 125V
	DUPLEX RECEPTACLE OUTLET: 125V
	DUPLEX RECEPTACLE OUTLET: 125V, DEDICATED
	DOUBLE DUPLEX RECEPTACLE OUTLET: 125V
	COMBINATION DUPLEX RECEPTACLE/TELECOM OUTLET: 125V
	COMBINATION DOUBLE DUPLEX RECEPTACLE/TELECOM OUTLET: 125V
	TELECOM OUTLET
	RAISED FLOOR ACCESS BOX, COMBINATION DOUBLE DUPLEX RECEPTACLE/TELECOM: 125V

WIRING DEVICE LEGEND

	SINGLE RECEPTACLE OUTLET: 125V; WALL MOUNTED
	DUPLEX RECEPTACLE OUTLET: 125V; WALL MOUNTED
	DUPLEX RECEPTACLE OUTLET: 125V TOP HALF SWITCHED
	DUPLEX RECEPTACLE OUTLET: 125V, DEDICATED; WALL MOUNTED
	DOUBLE DUPLEX RECEPTACLE OUTLET: 125V; WALL MOUNTED
	TRIPLE DUPLEX RECEPTACLE OUTLET: 125V
	SPECIAL PURPOSE RECEPTACLE OUTLET: RATING AS INDICATED; WALL MOUNTED
	CLOCK RECEPTACLE OUTLET: 125V, 15A
	POWER CONNECTION TO ELECTRIFIED FURNITURE SYSTEM
	SINGLE RECEPTACLE OUTLET: 125V; CEILING MOUNTED
	DUPLEX RECEPTACLE OUTLET: 125V; CEILING MOUNTED
	DUPLEX RECEPTACLE OUTLET: 125V, DEDICATED; CEILING MOUNTED
	DOUBLE DUPLEX RECEPTACLE OUTLET: 125V; CEILING MOUNTED
	SPECIAL PURPOSE RECEPTACLE OUTLET; RATING AS INDICATED; CEILING MOUNTED
	PUSH BUTTON
B	BUZZER
B	BELL
	POWER TYPE PLUGSTRIP OR SURFACE RACEWAY, LENGTH APPROXIMATELY AS SHOWN
	TELECOM TYPE PLUGSTRIP OR SURFACE RACEWAY, LENGTH APPROXIMATELY AS SHOWN
	TELECOM OUTLET
	TELECOM CONNECTION TO ELECTRIFIED FURNITURE SYSTEM
TV	TELEVISION OUTLET
$ 3	SINGLE POLE SWITCH
$ 2	DOUBLE POLE SWITCH
$ 3	THREE WAY SWITCH
$ 4	FOUR WAY SWITCH
$ F	FAN SWITCH
$ H	ILLUMINATED HANDLE SWITCH
$ K	KEY SWITCH
$ MC	MOMENTARY CONTACT SWITCH
$ P	PILOT LIGHT SWITCH
TS	TIMER SWITCH
D	WALL DIMMER
LV	LOW VOLTAGE SWITCH
PC	PHOTOCELL
S	LINE VOLTAGE SHUT OFF SWITCH
OS	OCCUPANCY SENSOR; WALL MOUNTED
OS	2 WAY OCCUPANCY SENSOR; CEILING MOUNTED
OS	1 WAY OCCUPANCY SENSOR; CEILING MOUNTED
OS	CORRIDOR OCCUPANCY SENSOR; CEILING MOUNTED
2S	2-BUTTON LOW-VOLTAGE WALL SWITCH
2D	2-BUTTON LOW-VOLTAGE WALL-MOUNTED DIMMING SCENE SELECTOR WITH RAISE/FLOOR
4S	4-BUTTON LOW-VOLTAGE WALL SWITCH
4D	4-BUTTON LOW-VOLTAGE WALL-MOUNTED DIMMING SCENE SELECTOR WITH RAISE/FLOOR
DZC	DIMMING ZONE CONTROLLER, RECESSED IN WALL
2R	2-BUTTON LOW-VOLTAGE WALL SWITCH FOR CONTROL OF 1 ZONE
3R	3-BUTTON LOW-VOLTAGE WALL SWITCH FOR CONTROL OF 2 ZONES
5R	5-BUTTON LOW-VOLTAGE WALL SWITCH FOR CONTROL OF 3 OR 4 ZONES
7R	7-BUTTON LOW-VOLTAGE WALL SWITCH FOR CONTROL OF 5 OR 6 ZONES

WIRING DEVICE SUBSCRIPT LEGEND

AC	AC = ABOVE COUNTER
GFI	GFI = GROUND FAULT INTERRUPTER
IG	IG = ISOLATED GROUND
WP	WP = WEATHERPROOF
a	a = LOWER CASE LETTER INDICATES SWITCH CONTROL
6	6 = NUMBER INDICATES CIRCUIT NUMBER
<6>	BRACKETS INDICATE SWITCHED CIRCUITS
IG	IG = ISOLATED GROUND (ONE OF DOUBLE DUPLEX)
SIGN	CONNECTION TO DIGITAL SIGNAGE, REFER TO ARCHITECTURAL DRAWINGS
KIOSK	CONNECTION TO RECEPTION KIOSK, REFER TO ARCHITECTURAL DRAWINGS
$ a	a = LOWER CASE INDICATES SWITCH CONTROL
AV	FLOORBOX CONTAINS AV SERVICES
	INDICATES 50% OF POWER OUTLETS IN DEVICE PERMANENTLY LABELED AS "CONTROLLED" AND CONNECTED TO CIRCUIT WITH AUTOMATIC SHUTOFF
	INDICATES 50% OF POWER OUTLETS IN DEVICE PERMANENTLY LABELED AS "CONTROLLED" AND CONNECTED TO CIRCUIT WITH AUTOMATIC SHUTOFF

FIRE ALARM LEGEND

	MANUAL PULL STATION
	AREA SMOKE DETECTOR, CEILING MOUNTED (SMOKE DETECTOR, SEMI-FLUSH MOUNTED IN CEILING)
	AREA SMOKE DETECTOR, WALL MOUNTED
	DUCT TYPE SMOKE DETECTOR
	HEAT DETECTOR, CEILING MOUNTED
BR BT	BEAM DETECTOR: R = RECEIVER, T = TRANSMITTER
W	SPRINKLER WATER FLOW SWITCH
T	SPRINKLER TAMPER SWITCH
S	FIRE ALARM SPEAKER; CEILING MOUNTED
S	FIRE ALARM SPEAKER; WALL MOUNTED
S	COMBINATION FIRE ALARM SPEAKER/VISUAL ALARM; CEILING MOUNTED
S	COMBINATION FIRE ALARM SPEAKER/VISUAL ALARM; WALL MOUNTED
H	FIRE ALARM HORN; CEILING MOUNTED
H	FIRE ALARM HORN; WALL MOUNTED
H	COMBINATION FIRE ALARM HORN/VISUAL ALARM; WALL MOUNTED
	VISUAL ALARM; CEILING MOUNTED
	VISUAL ALARM; WALL MOUNTED
J	FIREFIGHTER'S PHONE JACK
H	EMERGENCY TELEPHONE
H	MAGNETIC DOOR HOLDER
DR	MAGNETIC DOOR RELEASE
	FIRE ALARM BELL
FSD	FIRE/SMOKE DAMPER
SD	SMOKE DAMPER
FACP	FIRE ALARM AND CONTROL PANEL
FARP	FIRE ALARM REMOTE PANEL
FATC	FIRE ALARM TERMINAL CABINET
FARA	FIRE ALARM REMOTE ANNUNCIATOR
FTS	FIREFIGHTER'S TELEPHONE SYSTEM
VCS	VOICE COMMUNICATION SYSTEM
FCIP	FIREFIGHTER'S CONTROL AND INDICATING PANEL
FPSP	FIRE PUMP REMOTE STATUS PANEL
GSP	GENERATOR REMOTE STATUS PANEL
BATT	BATTERY
EVAC	FIRE ALARM VOICE EVACUATION PANEL
DACT	DIGITAL ALARM COMMUNICATOR TRANSMITTER

POWER LEGEND

	ATS, CPC, DPH, DPL, DSH, DSL, MCC OR MS: SIZE APPROXIMATELY AS SHOWN. DOUBLE LINE INDICATES FRONT.
	SURFACE MOUNTED LPH, LRC, MP OR TC: SIZE APPROXIMATELY AS SHOWN
	RECESSED MOUNTED LPH, LRC, MP OR TC: SIZE APPROXIMATELY AS SHOWN
	SURFACE MOUNTED LP: SIZE APPROXIMATELY AS SHOWN
	RECESSED MOUNTED LP: SIZE APPROXIMATELY AS SHOWN
	TB: LENGTH APPROXIMATELY AS SHOWN
	BUSWAY RISER WITH PLUG IN UNIT, FUSE
	BUSWAY RISER WITH PLUG IN UNIT, BREAKER
	BUSWAY HORIZONTAL
CTB	CABLE TAP BOX
	STEP DOWN TRANSFORMER
G	GENERATOR
G	GENERATOR IN WP ENCLOSURE
	AUTOMATIC TRANSFER SWITCH
J	HEAVY DUTY DISCONNECT SWITCH
J	HEAVY DUTY DISCONNECT SWITCH WITH FUSE
	MOTOR STARTER
	MOTOR STARTER, NOT PROVIDED UNDER ELECTRICAL SCOPE
J	COMBINATION MOTOR STARTER/DISCONNECT SWITCH
J	COMBINATION MOTOR STARTER/DISCONNECT SWITCH, NOT PROVIDED UNDER ELECTRICAL SCOPE
VFD J	VFD WITH DISCONNECT, NOT PROVIDED UNDER ELECTRICAL SCOPE
VFD	VFD WITHOUT DISCONNECT, NOT PROVIDED UNDER ELECTRICAL SCOPE
EPO	EMERGENCY POWER OFF BUTTON
$ MD	MOTORIZED DOOR CONTROLLER (FURNISHED WITH DOOR)
$ MS	MOTORIZED SHADE CONTROLLER (FURNISHED WITH SHADES)
$ PS	PROJECTION SCREEN CONTROLLER (FURNISHED WITH SCREEN)
$ SC	SPEED CONTROLLER (FURNISHED WITH EQUIPMENT)
$ T	THERMAL OVERLOAD/DISCONNECT SWITCH
M	MOTOR CONNECTION
J	JUNCTION BOX, CEILING MOUNTED
JB	IN-GRADE PULLBOX, FLUSH WITH GRADE
J	JUNCTION BOX, WALL MOUNTED
P B	PULL BOX
S B	SPLICE BOX
G	GROUND BUS CABINET
	GROUND ROD
	GROUND TEST WELL
	CIRCUIT BREAKER
	SWITCH AND FUSE
	DRAWOUT TYPE CIRCUIT BREAKER
	DRAWOUT TYPE SWITCH AND FUSE
	CIRCUIT BREAKER IN ENCLOSURE
M	CURRENT TRANSFORMER COMPARTMENT AND KWH METER
	GROUND FAULT SENSOR
GFR	GROUND FAULT RELAY
	NORMALLY OPEN CONTACT
	NORMALLY CLOSED CONTACT
	RELAY OR CONTACTOR: CONTACTS SHOWN WITH COIL DEENERGIZED
	TRANSFORMER
	ROTARY SWITCH
R	PILOT LIGHT: A = AMBER LIGHT, G = GREEN LIGHT R = RED LIGHT, Y = YELLOW LIGHT
	NUMBERED NOTE
SF-1	EQUIPMENT TYPE
MCC-1A	PANEL NAME

LIGHTING LEGEND

	LIGHTING FIXTURE; CEILING MOUNTED
	LIGHTING FIXTURE; WALL MOUNTED
	LIGHTING FIXTURE, SIZE APPROXIMATELY AS SHOWN; CEILING MOUNTED
	LIGHTING FIXTURE, SIZE APPROXIMATELY AS SHOWN; WALL MOUNTED
EM	LIGHTING FIXTURE CONNECTED TO EMERGENCY POWER SYSTEM
	LIGHTING FIXTURE, CONTINUOUS ROW; CEILING MOUNTED
	LIGHTING FIXTURE, WALL WASHER; CEILING MOUNTED
	LIGHTING FIXTURE(S); BOLLARD MOUNTED
	LIGHTING FIXTURE(S); POLE MOUNTED
2 8 A	LIGHTING FIXTURE SUBSCRIPTS: NUMBER INDICATES CIRCUIT, LOWERCASE LETTER INDICATES SWITCH CONTROL UPPERCASE LETTER INDICATES FIXTURE TYPE
	LIGHTING TRACK WITH FIXTURES, LENGTH APPROXIMATELY AS SHOWN
EXIT SIGNS	ARROWS AS SHOWN; ILLUMINATED FACE AS INDICATED BY SHADING, CONNECT TO EMERGENCY POWER SYSTEM
	EXIT SIGN; WALL MOUNTED
	EXIT SIGN; CEILING MOUNTED
R	EXIT SIGN; RECESSED IN WALL
P	EXIT SIGN; PENDENT MOUNTED
L	EXIT SIGN; LOW LEVEL; RECESSED IN WALL

PROGRAMMABLE LIGHTING & RECEPTACLE CONTROL SYSTEM DEVICE LEGEND

$	SWITCH
D	DIMMER
PC	PHOTOCELL
OS	OCCUPANCY SENSOR; WALL MOUNTED
OS	2 WAY OCCUPANCY SENSOR; CEILING MOUNTED
OS	1 WAY OCCUPANCY SENSOR; CEILING MOUNTED
OS	CORRIDOR OCCUPANCY SENSOR; CEILING MOUNTED
#B	MULTI-BUTTON KEYPAD, # INDICATES QTY OF BUTTONS
#S	MULTI-BUTTON PRESET SCENE CONTROLLER WITH MASTER RAISE/LOWER, # INDICATES QTY OF SCENE BUTTONS
G	GRAPHICAL INTERFACE CONTROLLER

RACEWAY LEGEND

	CONDUIT CONCEALED ABOVE CEILING OR WITHIN WALL
	CONDUIT BELOW GRADE OR EMBEDDED WITHIN SLAB
	CONDUIT UP
	CONDUIT DOWN
	CONDUIT STUBBED OUT WITH BUSHING NOTE: PROVIDE PULLSTRING IN EACH EMPTY RACEWAY
	CONDUIT STUBBED OUT AND CAPPED NOTE: PROVIDE PULLSTRING IN EACH EMPTY RACEWAY
AV	AUDIO/VISUAL SYSTEM RACEWAY
CT	CABLE TRAY
G	GROUNDING SYSTEM RACEWAY
FA	FIRE ALARM SYSTEM RACEWAY
S	SECURITY SYSTEM RACEWAY NOTE: PROVIDE PULLSTRING IN EACH EMPTY RACEWAY
T	TELECOM SYSTEM RACEWAY NOTE: PROVIDE PULLSTRING IN EACH EMPTY RACEWAY
TV	TELEVISION SYSTEM RACEWAY NOTE: PROVIDE PULLSTRING IN EACH EMPTY RACEWAY
	CONDUIT HOMERUN NOTE: MAXIMUM OF THREE BRANCH CIRCUITS FOR EACH HOMERUN, UON
	PHASE CONDUCTOR(S) GROUNDING CONDUCTOR
	ISOLATED GROUNDING CONDUCTOR
	NEUTRAL CONDUCTOR

EQUIPMENT NAMING LEGEND

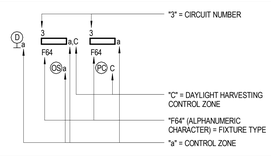
E A E L A / 1,3,5

- CIRCUIT NUMBER(S)
- FIRST OF THIS TYPE ON FLOOR
- H 277/480V PANELBOARD; L 120/208V PANELBOARD; MCC MOTOR CONTROL CENTER
- E GENERATOR BACK-UP (NON LIFE-SAFETY)
- FLOOR LEVEL: A LEVEL 1; B MEZZANINE; C LEVEL 2
- E EMERGENCY (LIFE SAFETY)

ABBREVIATIONS

℄	CENTER LINE
A	AMPERES
AF/AS	AMPERE RATING OF FUSE/SWITCH
AFF	ABOVE FINISHED FLOOR
AIC	AMPERES INTERRUPTING CAPACITY
AL	ALUMINUM
AT/AF	AMPERE RATING OF CIRCUIT, BREAKER TRIP/FRAME
A/V	AUDIO/VISUAL
BMS	BUILDING MANAGEMENT SYSTEM
C	CONDUIT (GENERIC TERM FOR RACEWAY - PROVIDE AS SPECIFIED)
CATV	CABLE TELEVISION
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CU	COPPER
DPDT	DOUBLE POLE DOUBLE THROW
DPST	DOUBLE POLE SINGLE THROW
DWG	DRAWING
(E)	EXISTING TO REMAIN
EC	EMPTY CONDUIT
ECC	ENGINEER'S CONTROL CENTER
ELEV	ELEVATOR
EMT	ELECTRICAL METALLIC TUBING
EWC	ELECTRIC WATER COOLER
FA	FIRE ALARM
FCC	FIRE CONTROL CENTER
FP	FIRE PROTECTION SYSTEM INSTALLER
GC	GENERAL CONTRACTOR
GFI	GROUND FAULT INTERRUPTOR
GND	GROUND
HP	HORSEPOWER
HVAC	HEATING, VENTILATING AND AIR CONDITIONING INSTALLER
IDF	INTERMEDIATE DISTRIBUTION FRAME ROOM
IG	ISOLATED GROUND
JB	JUNCTION BOX
KCMIL	THOUSAND CIRCULAR MILS
KVA	KILO-VOLT AMPERE
KW	KILO-WATT
LTG	LIGHTING
MCB	MAIN CIRCUIT BREAKER
MCP	MOTOR CIRCUIT PROTECTOR
MDF	MAIN DISTRIBUTION FRAME ROOM
MDP	MAIN DISTRIBUTION PANEL
MIC	MINERAL INSULATED CABLE
MLO	MAIN LUGS ONLY
MTD	MOUNTED
MTG	MOUNTING
MTS	MANUAL TRANSFER SWITCH
(N)	NEW
NIC	NOT IN CONTACT
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
NTS	NOT TO SCALE
P	POLE
PB	PULL BOX
PH	PHASE
PL	PLUMBING SYSTEM INSTALLER
PVC	POLYVINYL CHLORIDE CONDUIT
PWR	POWER
(R)	EXISTING TO BE RELOCATED
RAC	RIGID ALUMINUM CONDUIT
RGS	RIGID GALVANIZED STEEL
RSC	RIGID STEEL CONDUIT
SCC	SECURITY CONTROL CENTER
SN	SOLID NEUTRAL
SPDT	SINGLE POLE DOUBLE THROW
SPST	SINGLE POLE SINGLE THROW
TB	TELECOM BACKBOARD
TEL	TELECOM
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
WP	WEATHERPROOF
WT	WATERTIGHT
(X)	EXISTING TO BE REMOVED
XP	EXPLOSION PROOF

LIGHTING & CONTROL DEVICE SUBSCRIPT LEGEND



CONTROL ZONE SUBSCRIPT KEY

a-z =	ZONE CONTROLLED BY MANUAL DEVICES AND OCCUPANCY SENSORS INDICATED - NO TIMECLOCK CONTROL
aa-zz =	ZONE CONTROLLED BY TIMECLOCK SCHEDULE AND ANY MANUAL DEVICES AND OCCUPANCY SENSORS INDICATED
A-Z =	DAYLIGHT HARVESTING ZONE CONTROLLED BY PHOTOCELL INDICATED

GENERAL NOTES:

A. PRIOR TO DRILLING OR CORING ANY EXISTING CONCRETE, EXISTING REBAR AND POST-TENSION(PT) TENDONS SHALL BE LOCATED BY SCANNING. SUBMIT SHOP DRAWINGS SHOWING THE COORDINATED LOCATIONS OF OPENINGS AND ANCHORS TO AVOID DAMAGING EXISTING REBAR AND PT TENDONS. CORING OF PT CONCRETE WILL NOT BE PERMITTED WITHOUT THE REVIEW OF THE ARCHITECT. REFER TO DETAIL 11/S6.00 AND DETAIL 14/S5.19 FOR OTHER REQUIREMENTS OF PT SLAB PENETRATIONS.

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REGISTERED PROFESSIONAL ENGINEER AMANDA J. BROWNFIELD No. E17287 ELECTRICAL STATE OF CALIFORNIA

Sheet Name:

ELECTRICAL LEGEND AND ABBREVIATIONS

Project No.:	Sheet No.:
Project Number	E0.01
Drawn By: Author	
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Scale: 12" = 1'-0"	

WIRING SCHEDULE - COPPER CONDUCTORS (0-600V)

CIRCUIT RATING	CONDUIT SIZE (INCHES)							CONDUCTOR SIZE	
	NONE	G	N	NG	NGI	NNG	NNGI	PHASE/ NEUTRAL	GND/* IG
15	0.5	0.5	0.5	0.5	0.5	0.5	0.5	12	12
20	0.5	0.5	0.5	0.5	0.5	0.5	0.5	12	12
30	0.5	0.5	0.5	0.5	0.75	0.75	0.75	10	10
40	0.75	0.75	0.75	1	1	1	1	8	10
50	1	1	1	1.25	1.25	1.25	1.25	6	10
60	1	1.25	1.25	1.25	1.5	1.5	1.5	4	10
70	1	1.25	1.25	1.25	1.5	1.5	1.5	4	8
80	1.25	1.25	1.25	1.5	2	2	2	2	8
90	1.25	1.25	1.25	1.5	2	2	2	2	8
100	1.25	1.5	1.5	2	2	2	2.5	1	8
110	1.25	1.5	1.5	2	2	2	2.5	1	6
125	1.25	1.5	1.5	2	2	2	2.5	1	6
150	1.5	2	2	2	2.5	2.5	2.5	1/0	6
175	1.5	2	2	2	2.5	2.5	2.5	2/0	6
200	2	2	2	2.5	2.5	2.5	3	3/0	6
225	2	2.5	2.5	2.5	3	3	3	4/0	4
250	2.5	2.5	2.5	3	3	3	3.5	250	4
300	2.5	3	3	3.5	3.5	3.5	4	350	4
350	3	3.5	3.5	4	4	4	5	500	2
400	2@2	2@2	2@2	2@2.5	2@2.5	2@2.5	2@3	3/0	2
450	2@2	2@2.5	2@2.5	2@2.5	2@3	2@3	2@3	4/0	2
500	2@2.5	2@3	2@3	2@3.5	2@3.5	2@3.5	2@3.5	250	1
600	2@2.5	2@3	2@3	2@3.5	2@3.5	2@3.5	2@4	350	1
700	2@3	2@3.5	2@3.5	2@4	2@4	2@4	2@5	500	1/0
800	3@2.5	3@3	3@3	3@3	3@3.5	3@3.5	3@3.5	300	1/0
1000	3@3	3@3	3@3	3@3.5	3@4	3@4	3@4	400	2/0
1200	4@2.5	4@3	4@3	4@3.5	4@3.5	4@3.5	4@4	350	3/0
1600	5@3	5@3	5@3	5@3.5	5@4	5@4	5@4	400	4/0
2000	6@3.5	6@3.5	6@3.5	6@4	6@4	6@4	6@5	500	250
2500	7@3.5	7@3.5	7@3.5	7@4	7@4	7@4	7@4	500	350
3000	8@3.5	8@3.5	8@3.5	8@4	8@4	8@4	8@4	500	400

SUBSCRIPT KEY

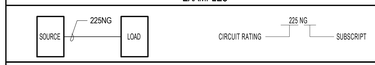
SUBSCRIPT	CONDUCTORS PER CONDUIT
NONE	3 PHASE CONDUCTORS, CONDUIT GROUND
G	3 PHASE CONDUCTORS, 1 GROUNDING CONDUCTOR
N	3 PHASE CONDUCTORS, 1 NEUTRAL CONDUCTOR, CONDUIT GROUND
NG	3 PHASE CONDUCTORS, 1 NEUTRAL CONDUCTOR, 1 GROUNDING CONDUCTOR
NGI	3 PHASE CONDUCTORS, 1 NEUTRAL CONDUCTOR, 1 GROUNDING CONDUCTOR, 1 ISOLATED GROUNDING CONDUCTOR
NNG	3 PHASE CONDUCTORS, 2 NEUTRAL CONDUCTORS*, 1 GROUNDING CONDUCTOR
NNGI	3 PHASE CONDUCTORS, 2 NEUTRAL CONDUCTORS*, 1 GROUNDING CONDUCTOR, 1 ISOLATED GROUNDING CONDUCTOR

* SINGLE NEUTRAL CONDUCTOR SIZES FOR CIRCUIT RATING 125 AND LESS

PARALLEL CONDUCTORS ARE NOT PERMITTED UNDER 1/0. WHERE DOUBLE NEUTRAL CONDUCTORS ARE INDICATED, PROVIDE AN OVERSIZED NEUTRAL CONDUCTOR IN ACCORDANCE WITH THE FOLLOWING TABLE:

CIRCUIT RATING	15	20	30	40	50	60
SINGLE NEUTRAL CONDUCOTR SIZE	10	8	4	2	1	1/0
CIRCUIT RATING	70	80	90	100	125	
SINGLE NEUTRAL CONDUCTOR SIZE	2/0	3/0	4/0	250	250	

EXAMPLES



NOTES

1. SCHEDULE IS BASED ON 3 CURRENT CARRYING CONDUCTORS IN RACEWAY, CABLE OR EARTH, AT AMBIENT AIR TEMPERATURE OF 30°C (86°F).
2. MODIFY IF USE OF 600MCM CONDUCTORS ARE DESIRED CONFIRM LUG SIZES ARE AVAILABLE.

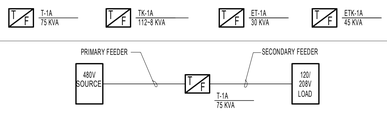
TRANSFORMER SCHEDULE

KVA	FEEDER AMPACITY		NEUTRAL GROUNDING ELECTRODE CONDUCTOR
	PRIMARY 480V 3 PHASE-3 WIRE	SECONDARY 120/208V 3 PHASE-4 WIRE	
3	15	15	1/2"C-1#8
6	15	20	1/2"C-1#8
9	15	30	1/2"C-1#8
15	20	50	1/2"C-1#8
30	50	100	1/2"C-1#6
45	70	150	1/2"C-1#6
75	110	250	1/2"C-1#2
112 1/2	175	400	3/4"C-1#3/0
150	225	500	3/4"C-1#3/0
225	350	800	3/4"C-1#3/0
300	450	1000	3/4"C-1#3/0
500	800	1600	3/4"C-1#3/0
750	1200	2500	3/4"C-1#3/0

FEEDER KEY

TRANSFORMER IDENTIFICATION PREFIX	FEEDER CONFIGURATION	
	PRIMARY	SECONDARY
T	3 PHASE CONDUCTORS 1 GROUNDING CONDUCTOR (CIRCUIT SUBSCRIPT: G)	3 PHASE CONDUCTORS 1 NEUTRAL CONDUCTOR 1 GROUNDING CONDUCTOR (CIRCUIT SUBSCRIPT: NG)
TK	3 PHASE CONDUCTORS 1 GROUNDING CONDUCTOR (CIRCUIT SUBSCRIPT: G)	3 PHASE CONDUCTORS 2 NEUTRAL CONDUCTORS 1 GROUNDING CONDUCTOR 1 ISOLATED GROUNDING CONDUCTOR (CIRCUIT SUBSCRIPT: NNG)

EXAMPLES



REFER KVA RATING TO TABLES ABOVE FOR FEEDER AND GROUNDING REQUIREMENTS

WIRING SCHEDULE - ALUMINUM CONDUCTORS (0-600V)

CIRCUIT RATING	CONDUIT SIZE (INCHES)							CONDUCTOR SIZE	
	NONE	G	N	NG	NGI	NNG	NNGI	PHASE/ NEUTRAL	GND/* IG
100	1.25	1.25	1.25	1.5	2	2	2	1**	6
125	1.5	2	2	2	2	2	2.5	2/0	4
150	1.5	2	2	2	2.5	2.5	2.5	3/0	4
175	2	2	2	2.5	2.5	2.5	2.5	4/0	4
200	2	2.5	2.5	2.5	2.5	2.5	3	250	4
225	2	2.5	2.5	2.5	3	3	3	300	2
250	2.5	2.5	2.5	3	3	3	3	350	2
300	2.5	3	3	3.5	3.5	3.5	4	500	2
350	2@2	2@2	2@2	2@2.5	2@2.5	2@2.5	2@2.5	4/0	1
400	2@2	2@2.5	2@2.5	2@2.5	2@2.5	2@25	2@2.5	2@3	250	1
450	2@2	2@2.5	2@2.5	2@2.5	2@2.5	2@2.5	2@2.5	2@3	300	1/0
500	2@2.5	2@2.5	2@2.5	2@3	2@3	2@3	2@3	350	1/0
600	2@2.5	2@3	2@3	2@3.5	2@3.5	2@3.5	2@4	500	2/0
700	3@2.5	3@2.5	3@3	3@3	3@3	3@3	3@3	350	3/0
800	3@2.5	3@2.5	3@2.5	3@3	3@3	3@3	3@3.5	400	3/0
1000	4@2.5	4@2.5	4@2.5	4@3	4@3	4@3	4@3	350	4/0
1200	5@2.5	5@3	5@3	5@3.5	5@3.5	5@3.5	5@4	500	250
1600	6@2.5	6@2.5	6@2.5	6@3	6@3	6@3	6@3.5	400	4/0*
2000	7@2.5	7@3	7@3	7@3.5	7@3.5	7@3.5	7@4	500	250*
2500	9@2.5	9@3	9@3	9@3.5	9@3.5	9@3.5	9@4	500	350*
3000	10@2.5	10@3	10@3	10@3.5	10@3.5	10@3.5	10@4	500	400*

SUBSCRIPT KEY

SUBSCRIPT	CONDUCTORS PER CONDUIT
NONE	3 PHASE CONDUCTORS, CONDUIT GROUND
G	3 PHASE CONDUCTORS, 1 GROUNDING CONDUCTOR
N	3 PHASE CONDUCTORS, 1 NEUTRAL CONDUCTOR, CONDUIT GROUND
NG	3 PHASE CONDUCTORS, 1 NEUTRAL CONDUCTOR, 1 GROUNDING CONDUCTOR
NGI	3 PHASE CONDUCTORS, 1 NEUTRAL CONDUCTOR, 1 GROUNDING CONDUCTOR, 1 ISOLATED GROUNDING CONDUCTOR
NNG	3 PHASE CONDUCTORS, 2 NEUTRAL CONDUCTORS, 1 GROUNDING CONDUCTOR
NNGI	3 PHASE CONDUCTORS, 2 NEUTRAL CONDUCTORS, 1 GROUNDING CONDUCTOR, 1 ISOLATED GROUNDING CONDUCTOR

EXAMPLES

NOTES

1. ALUMINUM CONDUCTORS ARE PERMITTED FOR FEEDERS ONLY.
2. SCHEDULE IS BASED ON 3 CURRENT CARRYING CONDUCTORS IN RACEWAY, CABLE OR EARTH AT AMBIENT AIR TEMPERATURE OF 30°C (86°F).
3. CONDUIT SIZES ARE BASED ON COMPACT STRANDED XHHW-2 ALUMINUM CONDUCTORS IN RIGID STEEL OR EMT CONDUIT, MODIFY AS REQUIRED FOR OTHER APPLICATIONS.
4. ALUMINUM CONDUCTORS ARE NOT PERMITTED FOR CIRCUIT RATING LESS THAN 100A.
5. ALUMINUM CONDUCTORS ARE NOT PERMITTED FOR BRANCH CIRCUITS OR EQUIPMENT CONNECTIONS.
6. MODIFY IF USE OF 600 MCM OR LARGER CONDUCTORS IS DESIRED. CONFIRM LUG SIZES ARE AVAILABLE.

* GROUNDING AND ISOLATED GROUNDING CONDUCTOR FOR CIRCUIT RATING 1600A AND HIGHER SHALL BE COPPER CONDUCTORS.

** PARALLEL CONDUCTORS ARE NOT PERMITTED UNDER 1/0. WHERE DOUBLE NEUTRAL CONDUCTORS ARE INDICATED, USE 250MCM NEUTRAL FOR 100A CIRCUIT RATING.

MOTOR CONNECTION SCHEDULE: 480V-3 PHASE

HP	SHORT-CIRCUIT & GROUND FAULT		SWITCH AMPS	OVERLOAD FUSE AMPS	BRANCH CIRCUIT AMPACITY	GROUNDING CONDUCTOR SIZE	STARTER SIZE NEMA
	CIRCUIT BREAKER	FUSE SIZE					
1/2	15A	4A	30	1.125	15	#12	1
3/4	15A	4A	30	1.6	15	#12	1
1	15A	6A	30	2	15	#12	1
1 1/2	15A	6A	30	2.8	15	#12	1
2	15A	6A	30	4	15	#12	1
3	15A	10A	30	5.6	15	#12	1
5	15A	15A	30	9	20	#12	1
7 1/2	25A	20A	30	15	20	#10	1
10	35A	25A	30	17.5	20	#10	2
15	45A	40A	30	25	30	#10	2
20	50A	50A	60	35	40	#10	2
25	70A	60A	60	40	50	#8	3
30	70A	70A	60	45	50	#8	3
40	100A	100A	100	60	70	#8	3
50	125A	125A	100	80	90	#6	4
60	150A	150A	200	90	100	#6	4
75	150A	175A	200	110	125	#6	4
100	175A	225A	200	150	175	#4	5
125	250A	300A	200	200	200	#4	5
150	300A	350A	400	225	225	#2	5
200	400A	450A	400	300	300	#2	5

REFER TO WIRING SCHEDULE FOR BRANCH CIRCUIT REQUIREMENTS
SIZES BASED ON COPPER CONDUCTORS

MOTOR CONNECTION SCHEDULE: 208V-3 PHASE

HP	SHORT-CIRCUIT & GROUND FAULT		SWITCH AMPS	OVERLOAD FUSE AMPS	BRANCH CIRCUIT AMPACITY	GROUNDING CONDUCTOR SIZE	STARTER SIZE NEMA
	CIRCUIT BREAKER	FUSE SIZE					
1/2	15A	6A	30	2.5	15	#12	1
3/4	15A	10A	30	3.5	15	#12	1
1	15A	10A	30	5	15	#12	1
1 1/2	15A	15A	30	7	15	#12	1
2	15A	15A	30	9	15	#12	1
3	20A	20A	30	15	20	#12	1
5	35A	30A	30	20	30	#10	1
7 1/2	50A	45A	60	30	40	#10	2
10	60A	60A	60	40	50	#10	3
15	90A	90A	100	60	70	#8	3
20	100A	110A	100	80	80	#6	3
25	125A	150A	100	90	100	#6	4
30	150A	175A	200	110	125	#6	4
40	200A	200A	200	150	175	#6	5
50	250A	300A	200	175	200	#4	5
60	300A	300A	400	200	225	#4	5
75	350A	400A	400	250	300	#2	6
100	450A	500A	400	350	400	#2	6
125	600A	600A	600	450	450	#1	6
150	700A	700A	600	500	600	#1/0	6

REFER TO WIRING SCHEDULE FOR BRANCH CIRCUIT REQUIREMENTS
SIZES BASED ON COPPER CONDUCTORS

SPECIAL FLOOR AND WALL BOX SCHEDULE

DESIGNATION	CONNECTION TYPES WITHIN BOX	MANUFACTURER/ CATALOG #	BRANCH CIRCUIT SIZE	REMARKS
C1	1-100A, 3PH, 4-POLE, 5-WIRE, 120/208V, CAM-LOK RECEPTACLE COMPANY SWITCH	UNION CONNECTOR, ESL, STAGECRAFT, OR EQUAL	100NG	100A COMPANY SWITCH, INDOOR. THROUGHOUT FACILITY.
C2	1-200A, 3PH, 4-POLE, 5-WIRE, 120/208V, CAM-LOK RECEPTACLE COMPANY SWITCH	UNION CONNECTOR, ESL, STAGECRAFT, OR EQUAL	200NG	200A COMPANY SWITCH, INDOOR. THROUGHOUT FACILITY.
C2E	1-200A, 3PH, 4-POLE, 5-WIRE, 120/208V, CAM-LOK RECEPTACLE COMPANY SWITCH NEMA 3R STAINLESS STEEL ENCLOSURE	UNION CONNECTOR, ESL, STAGECRAFT, OR EQUAL	200NG	200A COMPANY SWITCH, OUTDOOR W/ LOCKABLE ENCLOSURE. LOCATED ALONG PACIFIC.
C3	1-400A, 3PH, 4-POLE, 5-WIRE, 120/208V, CAM-LOK RECEPTACLE COMPANY SWITCH	UNION CONNECTOR, ESL, STAGECRAFT, OR EQUAL	400NG	400A COMPANY SWITCH, INDOOR. THROUGHOUT FACILITY.
C4	1-100A, 3PH, 4-POLE, 5-WIRE, 277/480V CAM-LOK RECEPTACLE COMPANY SWITCH WITH REVERSED NEUTRAL/GROUND, CONNECTION CHAMBER FOR BARE-END CABLE CONNECTION, AND OVERSIZED LUGS	UNION CONNECTOR, STAGECRAFT, OR EQUAL	SEE RISER	100A COMPANY SWITCH, INDOOR. SERRA AND STEINBECK BALLROOMS.
F1	1-30A, 3PH, 4-POLE, 5-WIRE, 120/208V, LOCKING RECEPTACLE, NEMA L21-30R REFER TO TELECOM/AV DRAWINGS FOR LOW-VOLTAGE SERVICES	LEGRAND EVOLUTION (FIRE RATED), HUBBELL (FIRE RATED), OR EQUAL	30NG	FIRE RATED POKE THROUGH. STEINBECK BALLROOM, FERRANTE ROOMS.
F2	1-30A, 3PH, 4-POLE, 5-WIRE, 120/208V, LOCKING RECEPTACLE, NEMA L21-30R. 1-20A, 1PH, 120V DUPLEX OUTLET REFER TO TELECOM/AV DRAWINGS FOR LOW-VOLTAGE SERVICES	LEGRAND EVOLUTION (FIRE RATED), HUBBELL (FIRE RATED), OR EQUAL	3/4"C - 4#10+1#10GND 1/2"C - 2#12+1#12GND	FIRE RATED POKE THROUGH. STEINBECK BALLROOM.
W1	1-30A, 3PH, 4-POLE, 5-WIRE, 120/208V, LOCKING RECEPTACLE, NEMA L21-30R	HUBBELL, LEGRAND, LEVITON, OR EQUAL	30NG	WALL RECEPTACLE, INDOOR. THROUGHOUT FACILITY.
W1E	1-30A, 3PH, 4POLE, 5WIRE, 208V, LOCKING RECEPTACLE, NEMA L21-30R. PROVIDE SINGLE GANG, CAST ALUMINUM, VERTICAL SELF-CLOSING COVER SUITABLE FOR DAMP LOCATIONS.	HUBBELL, LEGRAND, LEVITON, OR EQUAL	30NG	WALL RECEPTACLE, OUTDOOR. EAST TERRACE.
W2	1-60A, 3PH, 4-POLE, 5-WIRE, 120/208V, PIN-AND-SLEEVE RECEPTACLE	CROUSE HINDS, COOPER INDUSTRIES, OR EQUAL	60NG	CUSTOM WALL BOX WITH COVER WITH TOP HINGE. RECEPTACLE TO BE MOUNTED IN INTERIOR TOP FACE OF WALLBOX TO ALLOW CABLES TO EXIT THE BOX AT THE BOTTOM, INDOOR. COLTON, FERRANTE ROOMS.
W2E	1-60A, 3PH, 4-POLE, 5-WIRE, 120/208V, PIN-AND-SLEEVE RECEPTACLE NEMA 3R STAINLESS STEEL ENCLOSURE	CROUSE HINDS, COOPER INDUSTRIES, OR EQUAL	60NG	CUSTOM WALL BOX WITH COVER WITH TOP HINGE. RECEPTACLE TO BE MOUNTED IN INTERIOR TOP FACE OF WALLBOX TO ALLOW CABLES TO EXIT THE BOX AT THE BOTTOM, OUTDOOR. JEFFERS PLAZA.
W3	1-100A, 3PH, 4-POLE, 5-WIRE, 120/208V, CAM-LOK RECEPTACLE.	CROUSE HINDS, COOPER INDUSTRIES, OR EQUAL	100NG	CUSTOM WALL BOX WITH COVER WITH TOP HINGE. CAM-LOK CONNECTOR TO BE MOUNTED IN INTERIOR TOP FACE OF WALLBOX TO ALLOW CABLES TO EXIT THE BOX AT THE BOTTOM. WALL RECEPTACLE, INDOOR. LEVEL 2 PREFUNCTION.
R1	EXISTING CABLE REELS - 120/208V - REPLACE EXISTING APPLETON CONNECTORS WITH PIN-AND-SLEEVE CONNECTORS (S100P9W).	HUBBELL, LEVITON, OR EQUAL	N/A	SERRA BALLROOM

FOR ALL SPECIAL FLOOR AND WALL BOXES REFER TO TECHNOLOGY DRAWINGS FOR SPECIAL SYSTEMS REQUIREMENTS.

EQUIPMENT CONNECTION DESIGNATIONS LEGEND

DESIGNATION	DESCRIPTION	DESIGNATION	DESCRIPTION	DESIGNATION	DESCRIPTION
AC	AIR CONDITIONING UNIT	ESC	ESCALATOR	MW	MICROWAVE OVEN
ACC	AIR COOLED CONDENSER	EUH	ELECTRIC UNIT HEATER	OH	OIL HEATER
ACU	AIR CONDITIONING UNIT	EWC	ELECTRIC WATER COOLER	P	PUMP
AHU	AIR HANDLING UNIT	EWH	ELECTRIC WATER HEATER	PB	PARKING BOOTH
AW	AIR WASHER	FCU	FAN COIL UNIT	PS	PROJECTION SCREEN
B	BOILER	FOA	FUEL OIL ALARM PANEL	REF	REFRIGERATOR
BC	BATTERY CHARGER	FOP	FUEL OIL PUMP	RF	RETURN FAN
BMS	BMS PANEL	FMS	FMS PANEL	RTU	ROOF TOP UNIT
CH	CHILLER	FP	FIRE PUMP	SD	SMOKE DAMPER
CHP	CHILLED WATER PUMP	FPB	FAN POWER BOX	SE	SEWAGE EJECTOR
COMP	COMPRESSOR	FSD	FIRE/SMOKE DAMPER	SF	SUPPLY FAN
COP	COPIER	GD	GARBAGE DISPOSAL	SP	SUMP PUMP
CP	CIRCULATING PUMP	GS	GRAPHIC SIGNAGE	TF	TRANSFER FAN
CT	COOLING TOWER	GWH	GAS WATER HEATER	UH	UNIT HEATER
CU	CONDENSING UNIT	H	HUMIDIFIER	VAV	VAV BOX ELECTRIC HEAT
DB	DOORBELL	HP	HEAT PUMP	VAC	VACUUM PUMP
DF	DUCT FURNACE	HT	HEAT TRACING	VM	VENDING MACHINE
DI	DEIONIZER	HV	HEATING/VENTILATING UNIT	VFD	VARIABLE FREQUENCY DRIVE
DWBP	DOMESTIC WATER BOOSTER PUMP	IC	IRRIGATION CONTROLLER	TYPE DP	DUPLEX PUMP
EAF	EXTRACTION ARM FAN	IH	INSTANT HOT WATER HEATER	TYPE FR	FRACTIONAL HP MOTOR
EC	EVAPORATIVE CONDENSER	JP	JOCKEY PUMP	TYPE FWS	FURNISHED WITH STARTER
ECH	ELECTRIC CABINET HEATER	JWH	JACKET WATER HEATER	TYPE M	MOTOR WITH STARTER
EDH	ELECTRIC DUCT HEATER	MCS	MOTOR CONNECTION SCHEDULE	TYPE SPC	SINGLE POINT CONNECTION
EF	EXHAUST FAN	MD	MOTORIZED DOOR OR GATE	TYPE VFD	VARIABLE FREQUENCY DRIVE
EHC	ELECTRIC HEATING COIL	MS	MOTORIZED SHADE		
ELEV	ELEVATOR	MUA	MAKE UP AIR UNIT		

EQUIPMENT CONNECTION SCHEDULE

DESIGNATION	HP	FLA	KVA	VOLT-AGE	PH	POWER SOURCE	CONNECTION TYPE	BRANCH CIRCUIT WIRING	REMARKS
ACU-1			0.056	208	1	BLC	FR	1/2" C - 2#12 + 1#12 GND	
ACU-2			0.056	208	1	BLC	FR	1/2" C - 2#12 + 1#12 GND	
ACU-3			0.056	208	1	BLC	FR	1/2" C - 2#12 + 1#12 GND	
ACU-3			0.056	208	1	BLC	FR	1/2" C - 2#12 + 1#12 GND	
AHU-4	3			480	3	CMCC	SPC	MCS	UNIT-MOUNTED VFD
AHU-7	5			480	3	AHA	SPC	MCS	UNIT-MOUNTED VFD
AHU-8	15			480	3	AHA	SPC	MCS	UNIT-MOUNTED VFD
AHU-9	1@7.5, 1@5			480	3	CMCC	SPC	20G	UNIT-MOUNTED VFD
AHU-10	5			480	3	AHA	SPC	MCS	UNIT-MOUNTED VFD
BI-FOLD DOOR		21.0		208	3	BLC	SPC	30G	
CP-1			0.27	120	1	BLC	FR	1/2" C - 2#12 + 1#12 GND	
(R) CT-1	20			480	3	CMCC	EXISTING	(X) 3/4"C-3#8	REPLACE EXISTING FEEDER WITH NEW 40G
(R) CT-2	20			480	3	CMCC	EXISTING	(X) 3/4"C-3#8	REPLACE EXISTING FEEDER WITH NEW 40G
CU-1			0.075	208	1	BLC	FR	1/2" C - 2#12 + 1#12 GND	
CU-2			0.075	208	1	BLC	FR	1/2" C - 2#12 + 1#12 GND	
CU-3			0.075	208	1	BLC	FR	1/2" C - 2#12 + 1#12 GND	
CU-3			0.075	208	1	BLC	FR	1/2" C - 2#12 + 1#12 GND	
CWP-1	20			480	3	AMCC	VFD	MCS	
CWP-2	20			480	3	AMCC	VFD	MCS	
EF-2	0.25			120	1	BLC	FR	1/2" C - 2#12 + 1#12 GND	
EF-13			0.830	120	1	BLC	FR	1/2" C - 2#12 + 1#12 GND	
EF-19			0.325	120	1	ALF	FR	1/2" C - 2#12 + 1#12 GND	
EF-25			0.830	120	1	BLC	FR	1/2" C - 2#12 + 1#12 GND	
EF-27	0.5			120	1	BLC	FR	1/2" C - 2#12 + 1#12 GND	
EAF-1	2			480	3	BLC	M	MCS	
ELEV-2	20			480	3	BHB	SPC	70G	
ESC-1A	10			480	3	BHB	SPC	MCS	
ESC-1B	10			480	3	BHB	SPC	MCS	
ESC-2A	10			480	3	CHB	SPC	MCS	
ESC-2B	10			480	3	CHB	SPC	MCS	
GWH-1		6.2		120	1	BLC	FR	1/2" C - 2#12 + 1#12 GND	
MOTORIZED DOOR	3/4			480	3	CHB	SPC	20G	
(R) RF-2	5			480	3	CMCC	EXISTING	(X) 1/2"C-3#12	PART OF AHU-2, REPLACE EXISTING FEEDER WITH NEW 20G
(R) SF-2	7 1/2			480	3	CMCC	EXISTING	(X) 1/2"C-3#12	PART OF AHU-2, REPLACE EXISTING FEEDER WITH NEW 20G
TF-1			0.240	120	1	BLC	FR	1/2" C - 2#12 + 1#12 GND	

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

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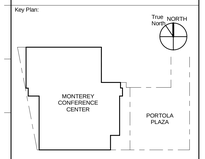

Seal & Signature:

REGISTERED PROFESSIONAL ENGINEER
AMANDA J. BROWNE
No. E17287
ELECTRICAL
STATE OF CALIFORNIA

Sheet Name:

ELECTRICAL SCHEDULES

Project No.:	Sheet No.:
Project Number	E0.02
Drawn By: Author	
Checked By: Checker	
Scale: 12" = 1'-0"	

2/9/2015 1:10:58 PM

Approved as to Form
CAO RISK

(E) ALE (1)

BUSSING: 400A, 10,000 AIC SYMMETRICAL — MAIN: MLO (FEED THROUGH LUGS) — LOCATION: ELECTRICAL ROOM — MOUNTING: SURFACE

120/208V, 3 PHASE, 4 WIRE — 100% RATED NEUTRAL + GROUND

TYPE	DESCRIPTION	LOAD	DEVICE	CKT	A	B	C	CKT	DEVICE	LOAD	DESCRIPTION	TYPE
E	*(E) DEANZA 1 NORTH WALL*	1000	*20/1*	1	●			2	*20/1*	1000	*(E) TRACK LIGHTS*	E
E	*(E) DEANZA 1 NORTH WALL*	1000	*20/1*	3		●		4	*20/1*	1000	*(E) TRACK LIGHTS*	E
E	*(E) DEANZA 1 EAST WALL LEFT SIDE*	1000	*20/1*	5			●	6	*20/1*	1000	*(E) DEANZA 3 WEST WALL CENTER*	E
E	*(E) DEANZA 1 EAST WALL LEFT SIDE*	1000	*20/1*	7	●			8	*20/1*	1000	*(E) DEANZA 3 WEST WALL CENTER*	E
E	*(E) DEANZA 2 NORTH WALL*	1000	*20/1*	9		●		10	*20/1*	1000	*(E) DEANZA 3 WEST WALL CENTER*	E
E	*(E) DEANZA 2 NORTH WALL*	1000	*20/1*	11			●	12	*20/1*	1000	*(E) DEANZA 3 WEST WALL CENTER*	E
E	*(E) EXISTING LOAD*	1000	*20/1*	13	●			14	*20/1*	1000	*(E) DEANZA 3 WEST WALL LEFT*	E
E	*(E) EXISTING LOAD*	1000	*20/1*	15		●		16	*20/1*	1000	*(E) DEANZA 3 WEST WALL LEFT*	E
E	*(E) DEANZA 1 EAST WALL RIGHT*	1000	*20/1*	17			●	18	*20/1*	1000	*(E) DEANZA 3 WEST WALL LEFT*	E
E	*(E) DEANZA 1 EAST WALL RIGHT*	1000	*20/1*	19	●			20	*20/1*	1000	*(E) DEANZA 3 WEST WALL LEFT*	E
E	*(E) DOOR CLOSET BETWEEN 1+2*	1000	*20/1*	21		●		22			*SPACE*	
E	*(E) DOOR CLOSET BETWEEN 1+2*	1000	*100/3*	23			●	24	*20/1*	1000	*(E) DEANZA 2 SOUTH WALL*	E
E	"	1000	"	25	●			26	*20/1*	1000	*(E) AMPLIFIER CLOSET*	E
E	"	1000	"	27		●		28	*20/1*	1000	*(E) DEANZA 1 SOUTH*	E
E	*(E) TO PANEL NORTHEAST CORNER*	1000	*100/3*	29			●	30	*20/1*	1000	*(E) DEANZA 3 SOUTH*	E
E	"	1000	"	31	●			32	*20/1*	1000	*(E) DEANZA 3 SOUTH*	E
E	"	1000	"	33		●		34	*20/1*	1000	*(E) DEANZA 1 SOUTH*	E
E	*(E) TO PANEL NORTHEAST CORNER*	1000	*100/3*	35			●	36	*100/3*	1000	*(E) END ROOMS DEANZA PANEL "C"*	E
E	"	1000	"	37	●			38	"	1000	"	E
E	"	1000	"	39		●		40	"	1000	"	E

TOTAL ALL PHASES (VA)	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	TOTAL ALL PHASES (AMPS)
39000	14000	13000	12000	108

(E) ALE (2)

BUSSING: 400A, 10,000 AIC SYMMETRICAL — MAIN: MLO — LOCATION: ELECTRICAL ROOM — MOUNTING: SURFACE

120/208V, 3 PHASE, 4 WIRE — 100% RATED NEUTRAL + GROUND

TYPE	DESCRIPTION	LOAD	DEVICE	CKT	A	B	C	CKT	DEVICE	LOAD	DESCRIPTION	TYPE
E	*(E) CHANDELIER DEANZA 3*	1000	*30/3*	43	●			44	*20/1*	1000	*(E) EXISTING LOAD*	E
E	"	1000	"	45		●		46	*20/1*	1000	*(E) EXISTING LOAD*	E
E	"	1000	"	47			●	48	*20/1*	1000	*(E) EXISTING LOAD*	E
E	*(E) EXISTING LOAD*	1000	*20/1*	49	●			50	*20/1*	1000	*(E) EXISTING LOAD*	E
E	*(E) EXISTING LOAD*	1000	*20/1*	51		●		52	*20/1*	1000	*(E) EXISTING LOAD*	E
E	*(E) EXISTING LOAD*	1000	*20/1*	53			●	54	*30/2*	1000	*(E) EXISTING LOAD*	E
E	*(E) EXISTING LOAD*	1000	*50/3*	55	●			56	"	1000	"	E
E	"	1000	"	57		●		58	*20/1*	1000	*(E) EXISTING LOAD*	E
E	"	1000	"	59			●	60	*20/1*	1000	*(E) EXISTING LOAD*	E
E	*(E) EXISTING LOAD*	1000	*20/1*	61	●			62	*20/1*	1000	*(E) EXISTING LOAD*	E
E	*(E) EXISTING LOAD*	1000	*20/1*	63		●		64	*20/1*	1000	*(E) EXISTING LOAD*	E
E	*(E) EXISTING LOAD*	1000	*20/1*	65			●	66	*20/1*	1000	*(E) EXISTING LOAD*	E
E	*(E) CHANDELIER DEANZA 2*	1000	*20/1*	67	●			68	*20/1*	1000	*(E) EXISTING LOAD*	E
E	*(E) CHANDELIER DEANZA 3*	1000	*20/1*	69		●		70	*20/1*	1000	*(E) CHANDELIER DEANZA 1*	E
E	*(E) CHANDELIER DEANZA 2*	1000	*20/1*	71			●	72	*20/1*	1000	*(E) CHANDELIER DEANZA 1*	E
E	*(E) CHANDELIER DEANZA 2*	1000	*20/1*	73	●			74	*20/1*	1000	*(E) CHANDELIER DEANZA 1*	E
E	*(E) CHANDELIER DEANZA 2*	1000	*20/1*	75		●		76	*20/1*	1000	*(E) EXISTING LOAD*	E
E	*(E) CHANDELIER DEANZA 1*	1000	*20/1*	77			●	78	*20/1*	1000	*(E) EXISTING LOAD*	E
E	*(E) EXISTING LOAD*	1000	*20/1*	79	●			80	*20/1*	1000	*(E) EXISTING LOAD*	E

TOTAL ALL PHASES (VA)	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	TOTAL ALL PHASES (AMPS)
38000	14000	12000	12000	105

LOAD SUMMARY BY TYPE	CONN. LOAD	DEMAND FACTOR	NEC LOAD
E = EQUIPMENT	77000 VA	1.00	77000 VA
H = ELECTRIC HEAT	0 VA	1.00	0 VA
K = KITCHEN EQUIPMENT	0 VA	1.00	0 VA
L = LIGHTING	0 VA	1.25	0 VA
M = MOTOR	0 VA	1.00	0 VA
M = LARGEST MOTOR		1.25	0 VA
R = RECEPTACLE	0 VA	NEC DEMAND	0 VA

CONNECTED LOAD SUMMARY
77000 VA
214 AMPS

NEC LOAD SUMMARY
77000 VA
214 AMPS

(E) ALF (1)

BUSSING: 100A, 10,000 AIC SYMMETRICAL — MAIN: MLO (FEED THROUGH LUGS) — LOCATION: ELECTRICAL ROOM — MOUNTING: SURFACE

120/208V, 3 PHASE, 4 WIRE — 100% RATED NEUTRAL + GROUND

TYPE	DESCRIPTION	LOAD	DEVICE	CKT	A	B	C	CKT	DEVICE	LOAD	DESCRIPTION	TYPE
L	*(E) KITCHEN HOOD LIGHTS*	500	*20/1*	1	●			2	*20/1*	1080	*(E) STORAGE/LOUNGE REC*	R
E	*(E) KITCHEN HOOD CONTROL PANEL*	500	*20/1*	3		●		4	*20/1*	360	TOILET 112G, 118B	R
	SPACE	0		5			●	6	*20/1*	1080	*(E) JANITOR/RECEIVING REC*	R
K	*(E) KITCHEN LOAD*	500	*20/1*	7	●			8	*20/1*	500	*(E) KITCHEN LOAD*	K
K	*(E) KITCHEN LOAD*	500	*20/3*	9		●		10	*20/3*	500	*(E) KITCHEN LOAD*	K
K	"	500	"	11			●	12	"	500	"	K
K	"	500	"	13	●			14	"	500	"	K
E	*(E) EXISTING LOAD*	500	*20/3*	15		●		16	*20/3*	500	*(E) KITCHEN LOAD*	K
E	"	500	"	17			●	18	"	500	"	K
E	"	500	"	19	●			20	"	500	"	K
K	*(E) KITCHEN LOAD*	500	*20/1*	21		●		22	*15/3*	500	*(E) KITCHEN LOAD*	K
K	*(E) KITCHEN LOAD*	500	*20/1*	23			●	24	"	500	"	K
K	*(E) KITCHEN LOAD*	500	*20/3*	25	●			26	"	500	"	K
	"	500	"	27		●		28	*30/1*	1000	*(E) KITCHEN LOAD*	K
	"	500	"	29			●	30	*30/1*	1000	*(E) KITCHEN LOAD*	K

TOTAL ALL PHASES (VA)	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	TOTAL ALL PHASES (AMPS)
16520	5580	5360	5580	46

(E) ALF (2)

BUSSING: 100A, 10,000 AIC SYMMETRICAL — MAIN: MLO — LOCATION: ELECTRICAL ROOM — MOUNTING: SURFACE

120/208V, 3 PHASE, 4 WIRE — 100% RATED NEUTRAL + GROUND

TYPE	DESCRIPTION	LOAD	DEVICE	CKT	A	B	C	CKT	DEVICE	LOAD	DESCRIPTION	TYPE
M	*(E) CH-1*	500	*20/1*	31	●			32	*20/1*	696	*(E) EF-18, EF-19, EF-20*	M
K	*(E) KITCHEN LOAD*	500	*50/3*	33		●		34	*20/1*	500	*(E) EXISTING LOAD*	E
K	"	500	"	35			●	36	*20/1*	500	*(E) EXISTING LOAD*	E
K	"	500	"	37	●			38	*20/1*	500	*(E) EXISTING LOAD*	E
K	*(E) KITCHEN LOAD*	500	*15/3*	39		●		40	*20/1*	500	*(E) EXISTING LOAD*	E
K	"	500	"	41			●	42	*20/1*	500	*(E) EXISTING LOAD*	E
K	"	500	"	43	●			44	*20/1*	500	*(E) EXISTING LOAD*	E
	SPACE			45		●		46	*20/1*	500	*(E) EXISTING LOAD*	E
E	*(E) EXISTING LOAD*	500	*20/1*	47			●	48	*20/1*	500	*(E) EXISTING LOAD*	E
E	*(E) KITCHEN LOAD*	500	*20/1*	49	●			50	*20/1*	500	*(E) EXISTING LOAD*	E
E	*(E) KITCHEN LOAD*	500	*20/1*	51		●		52	*20/1*	500	*(E) EXISTING LOAD*	E
E	*(E) KITCHEN LOAD*	500	*20/1*	53			●	54	*20/1*	500	*(E) EXISTING LOAD*	E
E	*(E) KITCHEN LOAD*	500	*30/1*	55	●			56	*20/1*	500	*(E) EXISTING LOAD*	E
E	*(E) KITCHEN LOAD*	500	*30/1*	57		●		58	*40/1*	500	*(E) EXISTING LOAD*	E
E	*(E) KITCHEN LOAD*	500	*20/1*	59			●	60	*40/1*	500	*(E) EXISTING LOAD*	E

TOTAL ALL PHASES (VA)	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	TOTAL ALL PHASES (AMPS)
14696	5196	4500	5000	41

LOAD SUMMARY BY TYPE	CONN. LOAD	DEMAND FACTOR	NEC LOAD
E = EQUIPMENT	12500 VA	1.00	12500 VA
H = ELECTRIC HEAT	0 VA	1.00	0 VA
K = KITCHEN EQUIPMENT	13500 VA	0.65	8775 VA
L = LIGHTING	500 VA	1.25	625 VA
M = MOTOR	500 VA	1.00	500 VA
M = LARGEST MOTOR	696 VA	1.25	870 VA
R = RECEPTACLE	2520 VA	NEC DEMAND	2520 VA

CONNECTED LOAD SUMMARY
30216 VA
84 AMPS

NEC LOAD SUMMARY
25790 VA
72 AMPS

AELA

BUSSING: 100A, 10,000 AIC SYMMETRICAL — MAIN: MLO — LOCATION: ELECTRICAL ROOM — MOUNTING: SURFACE

120/208V, 3 PHASE, 4 WIRE — 100% RATED NEUTRAL + GROUND

TYPE	DESCRIPTION	LOAD	DEVICE	CKT	A	B	C	CKT	DEVICE	LOAD	DESCRIPTION	TYPE
	SPARE	0	20/1	1	●			2	20/1	0	SPARE	
	SPARE	0	20/1	3		●		4	20/1	0	SPARE	
	SPARE	0	20/1	5			●	6	20/1	0	SPARE	
	SPARE	0	20/1	7	●			8	20/1	0	SPARE	
	SPARE	0	20/1	9		●		10	20/1	500	*(E) FIRE ALARM PANEL*	E
	SPARE	0	20/1	11			●	12	20/1	500	*(E) FIRE ALARM PANEL*	E
	SPARE	0	20/1	13	●			14	20/1	500	*(E) SECURITY SYSTEM PANEL*	E
	SPARE	0	20/1	15		●		16	20/1	500	LEVEL 1 FIRE ALARM PANEL	E
	SPARE	0	20/1	17			●	18	20/1	500	LEVEL 1 FIRE ALARM PANEL	E
	SPARE	0	20/1	19	●			20	20/1	500	LEVEL 1 FIRE ALARM PANEL	E
	SPARE	0	20/1	21		●		22	20/1	0	SPARE	
	SPARE	0	20/1	23			●	24	20/1	0	SPARE	
	SPACE	0		25	●			26		0	SPACE	
	SPACE	0		27		●		28		0	SPACE	
	SPACE	0		29			●	30		0	SPACE	

TOTAL ALL PHASES (VA)	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	TOTAL ALL PHASES (AMPS)
3000	1000	1000	1000	8

LOAD SUMMARY BY TYPE	CONN. LOAD	DEMAND FACTOR	NEC LOAD
E = EQUIPMENT	3000 VA	1.00	3000 VA
H = ELECTRIC HEAT	0 VA	1.00	0 VA
K = KITCHEN EQUIPMENT	0 VA	1.00	0 VA
L = LIGHTING	0 VA	1.25	0 VA
M = MOTOR	0 VA	1.00	0 VA
M = LARGEST MOTOR		1.25	0 VA
R = RECEPTACLE	0 VA	NEC DEMAND	0 VA

CONNECTED LOAD SUMMARY
3000 VA
8 AMPS

NEC LOAD SUMMARY
3000 VA
8 AMPS

CELA

BUSSING: 100A, 10,000 AIC SYMMETRICAL — MAIN: MLO — LOCATION: ELECTRICAL ROOM — MOUNTING: SURFACE

120/208V, 3 PHASE, 4 WIRE — 100% RATED NEUTRAL + GROUND

TYPE	DESCRIPTION	LOAD	DEVICE	CKT	A	B	C	CKT	DEVICE	LOAD	DESCRIPTION	TYPE
	SPARE	0	20/1	1	●			2	20/1	0	SPARE	
	SPARE	0	20/1	3		●		4	20/1	0	SPARE	
	SPARE	0	20/1	5			●	6	20/1	0	SPARE	
	SPARE	0	20/1	7	●			8	20/1	0	SPARE	
	SPARE	0	20/1	9		●		10	20/1	0	SPARE	
	SPARE	0	20/1	11			●	12	20/1	180	*(E) EMERGENCY GENERATOR PLUG*	R
	SPARE	0	20/1	13	●			14	20/1	180	*(E) PLUG AT ROOF*	R
E	*(E) EXISTING LOAD*	1000	20/1	15		●		16	20/1		SPARE	
	SPARE	0	20/1	17			●	18	20/1	500	LEVEL 2 - FATC	E
	SPARE	0	20/1	19	●			20	20/1	0	SPARE	
	SPARE	0	20/1	21		●		22	20/1	0	SPARE	
	SPARE	0	20/1	23			●	24	20/1	0	SPARE	
	SPACE			25	●			26			SPACE	
	SPACE			27		●		28			SPACE	
	SPACE			29			●	30			SPACE	

TOTAL ALL PHASES (VA)	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	TOTAL ALL PHASES (AMPS)
1860	180	1000	680	5

LOAD SUMMARY BY TYPE	CONN. LOAD	DEMAND FACTOR	NEC LOAD
E = EQUIPMENT	1500 VA	1.00	1500 VA
H = ELECTRIC HEAT	0 VA	1.00	0 VA
K = KITCHEN EQUIPMENT	0 VA	1.00	0 VA
L = LIGHTING	0 VA	1.25	0 VA
M = MOTOR	0 VA	1.00	0 VA
M = LARGEST MOTOR		1.25	0 VA
R = RECEPTACLE	360 VA	NEC DEMAND	360 VA

CONNECTED LOAD SUMMARY
1860 VA
5 AMPS

NEC LOAD SUMMARY
1860 VA
5 AMPS

(E) EDP

BUSSING: 150A, 10,000 AIC SYMMETRICAL — MAIN: MLO — LOCATION: ELECTRICAL ROOM — MOUNTING: SURFACE

120/208V, 3 PHASE, 4 WIRE — 100% RATED NEUTRAL + GROUND

TYPE	DESCRIPTION	LOAD	DEVICE	CKT	A	B	C	CKT	DEVICE	LOAD	DESCRIPTION	TYPE
E	*(E) PANEL AELA*	1000	*50/3*	1	●			2	*50/3*	180	*(E) PANEL CELA*	E
E	"	1000	"	3		●		4	"	1000	"	E
E	"	1000	"	5			●	6	"	680	"	E
R	*(E) TEL RM POWER OUTLET*	1000	*20/1*	7	●			8	*20/1*		SPARE	
R	*(E) TEL RM POWER OUTLET*	1000	*20/1*	9		●		10	*20/1*		SPARE	
R	*(E) POWER SOUND CONTROL ROOM*	1000	*20/1*	11			●	12	*20/1*	1000	*(E) STAIR LIGHTING - WEST*	L
R	*(E) POWER SOUND CONTROL ROOM*	1000	*20/1*	13	●			14	*20/1*	1000	*(E) STAIR LIGHTING - WEST*	L
R	*(E) POWER SOUND CONTROL ROOM*	1000	*20/1*	15		●		16	*20/1*	1000	*(E) STAIR LIGHTING - WEST*	L
	SPACE			17			●	18			*SPACE*	
	SPACE			19	●			20			*SPACE*	
	SPACE			21		●		22			*SPACE*	
	SPACE			23			●	24			*SPACE*	

TOTAL ALL PHASES (VA)	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	TOTAL ALL PHASES (AMPS)
12860	4180	5000	3680	36

LOAD SUMMARY BY TYPE	CONN. LOAD	DEMAND FACTOR	NEC LOAD
E = EQUIPMENT	4500 VA	1.00	4500 VA
H = ELECTRIC HEAT	0 VA	1.00	0 VA
K = KITCHEN EQUIPMENT	0 VA	1.00	0 VA
L = LIGHTING	3000 VA	1.25	3750 VA
M = MOTOR	0 VA	1.00	0 VA
M = LARGEST MOTOR		1.25	0 VA
R = RECEPTACLE	5360 VA	NEC DEMAND	5360 VA

CONNECTED LOAD SUMMARY
12860 VA
36 AMPS

NEC LOAD SUMMARY
13610 VA
38 AMPS

LIGHTING RELAY CABINET: LRC-BA

RELAY NO.	ZONE DESCRIPTION	BRANCH CIRCUIT	RELAY WATTS	SOURCE	CONTROL ON	CONTROL OFF	CONTROL OVER.	CONTROL DIM
1	OPEN OFFICE 206	BLA-22	540	RECEPTACLE	OS	OS	-	-
2	OPEN OFFICE 206	BLA-26	180	RECEPTACLE	OS	OS	-	-
3	OPEN OFFICE 206	BLA-30	180	RECEPTACLE	OS	OS	-	-
4	OPEN OFFICE 206	BLA-36	180	RECEPTACLE	OS	OS	-	-
5	OFFICE 206A	BLA-24	360	RECEPTACLE	OS	OS	-	-
6	OFFICE 206B	BLA-24	360	RECEPTACLE	OS	OS	-	-
7	OFFICE 206C	BLA-26	180	RECEPTACLE	OS	OS	-	-
8	OFFICE 206C	BLA-28	360	RECEPTACLE	OS	OS	-	-
9	OFFICE 206D	BLA-26	180	RECEPTACLE	OS	OS	-	-
10	OFFICE 206D	BLA-28	360	RECEPTACLE	OS	OS	-	-
11	PANTRY 206E	BLA-36	180	RECEPTACLE	OS	OS	-	-
12	SPARE							
13	SPARE							
14	SPARE							
15	SPACE							
16	SPACE							
17	SPACE							
18	SPACE							

CONTROL TYPES: TS = TIME SCHEDULE, SR = SWEEP REPEAT, LI = LINE INTERRUPT SWITCH, LV = LOW VOLTAGE SWITCH, OS = OCCUPANCY SENSOR, PC = PHOTOCELL

CLD (1)

BUS AMPACITY: 800A — 120/208V, 3 PHASE, 4 WIRE — LOCATION: SEE RISER
MAIN: 800A/3P — AIC RMS: 22,000

CIRCUIT	LOAD SERVED	DEVICE RATING	LOAD (VA)	REMARKS
1	RM 301 WALLBOX	30AT/100AF	3,000	
2	RM 301 WALLBOX	30AT/100AF	3,000	
3	RM 301 WALLBOX	30AT/100AF	3,000	
4	STEINBECK WALLBOX	30AT/100AF	3,000	
5	STEINBECK WALLBOX	30AT/100AF	3,000	
6	STEINBECK WALLBOX	30AT/100AF	3,000	
7	STEINBECK FLOORBOX	30AT/100AF	3,000	
8	STEINBECK FLOORBOX	30AT/100AF	3,000	
9	STEINBECK FLOORBOX	30AT/100AF	3,000	
10	STEINBECK FLOORBOX	30AT/100AF	3,000	
11	STEINBECK FLOORBOX	30AT/100AF	3,000	
12	STEINBECK FLOORBOX	30AT/100AF	3,000	
13	STEINBECK WALLBOX	30AT/100AF	3,000	
14	STEINBECK FLOORBOX	30AT/100AF	3,000	
15	STEINBECK FLOORBOX	30AT/100AF	3,000	
16	STEINBECK WALLBOX	30AT/100AF	3,000	
17	STEINBECK FLOORBOX	30AT/100AF	3,000	
18	STEINBECK FLOORBOX	30AT/100AF	3,000	
19	STEINBECK WALLBOX	30AT/100AF	3,000	
20	STEINBECK WALLBOX	30AT/100AF	3,000	
21	STEINBECK FLOORBOX	30AT/100AF	3,000	
22	STEINBECK FLOORBOX	30AT/100AF	3,000	
23	STEINBECK WALLBOX	30AT/100AF	3,000	
24	STEINBECK FLOORBOX	30AT/100AF	3,000	
25	STEINBECK FLOORBOX	30AT/100AF	3,000	
26	STEINBECK FLOORBOX	30AT/100AF	3,000	
27	ROOM 302 WALLBOX	100AT/100AF	8,000	
28	ROOM 302 WALLBOX	30AT/100AF	3,000	
29	ROOM 308 WALLBOX	30AT/100AF	3,000	
30	ROOM 308 WALLBOX	60AT/100AF	5,000	
		TOTAL	97,000	

CLD (2)

BUS AMPACITY: 800A — 120/208V, 3 PHASE, 4 WIRE — LOCATION: SEE RISER
MAIN: MLO — AIC RMS: 22,000

CIRCUIT	LOAD SERVED	DEVICE RATING	LOAD (VA)	REMARKS
31	ROOM 308 WALLBOX	30AT/100AF	3,000	
32	ROOM 307 WALLBOX	60AT/100AF	5,000	
33	ROOM 306 WALLBOX	60AT/100AF	5,000	
34	ROOM 306 WALLBOX	30AT/100AF	3,000	
35	ROOM 306 WALLBOX	30AT/100AF	3,000	
36	EXTERIOR WALLBOX	100AT/100AF	8,000	
37	ROOM 300 FLOORBOX	30AT/100AF	3,000	
38	ROOM 300 WALLBOX	60AT/100AF	5,000	
39	ROOM 303 WALLBOX	60AT/100AF	5,000	
40	ROOM 303 FLOORBOX	30AT/100AF	3,000	
41	JEFFERS PLAZA	60AT/100AF	5,000	
42	COMPANY SWITCH	400AT/400AF	30,000	ELEC ROOM 311B
43	COMPANY SWITCH	200AT/225AF	15,000	ELEC ROOM 311B
44	COMPANY SWITCH	200AT/225AF	15,000	STEINBECK BALLROOM 310
45	COMPANY SWITCH	200AT/225AF	15,000	STEINBECK BALLROOM 310
46	SPARE	30AT/100AF	0	
47	SPARE	60AT/100AF	0	
48	SPARE	100AT/100AF	0	
49	SPACE		0	
50	SPACE		0	
51	SPACE		0	
52	SPACE		0	
53	SPACE		0	
54	SPACE		0	
55	SPACE		0	
56	SPACE		0	
57	SPACE		0	
58	SPACE		0	
59	SPACE		0	
60	SPACE		0	
		TOTAL	123,000	

LOAD SUMMARY BY TYPE	CONNECTED LOAD	DEMAND FACTOR	NEC LOAD
E = EQUIPMENT	207000 VA	1.00	207000 VA
H = ELECTRIC HEAT	0 VA	1.00	0 VA
K = KITCHEN	0 VA	1.00	0 VA
L = LIGHTING	0 VA	1.25	0 VA
M = MOTOR	0 VA	1.00	0 VA
M = LARGEST MOTOR		1.25	0 VA
R = RECEPTACLE	0 VA	NEC DEMAND	0 VA
EL = ELEVATOR	0 VA	1.00	0 VA

CONNECTED LOAD SUMMARY
207000 VA
575 A

NEC LOAD SUMMARY
207000 VA
575 A

CLC (1)

BUSSING: 225A, 10,000 AIC SYMMETRICAL — MAIN: MLO (FEED THROUGH LUGS) — LOCATION: ELECTRICAL ROOM — MOUNTING: SURFACE

120/208V, 3 PHASE, 4 WIRE — 100% RATED NEUTRAL + GROUND

TYPE	DESCRIPTION	LOAD	DEVICE	CKT	A	B	C	CKT	DEVICE	LOAD	DESCRIPTION	TYPE
R	PRE 301 - SIGN/KIOSK POWER	360	20/1	1	●			2	20/1	180	STEINBECK 310 - CEILING POWER	R
R	PREFUNC 301 CONV REC	360	20/1	3		●		4	20/1	180	STEINBECK 310 - CEILING POWER	R
R	PRE 301 - SIGN/KIOSK POWER	540	20/1	5			●	6	20/1	180	STEINBECK 310 - CEILING POWER	R
R	PRE 301 - SIGN/KIOSK POWER	360	20/1	7	●			8	20/1	180	STEINBECK 310 - CEILING POWER	R
R	STEINBECK 310 - REC	720	20/1	9		●		10	20/1	180	STEINBECK 310 - CEILING POWER	R
R	STEINBECK 310 - NORTH DEDICATED	720	20/1	11			●	12	20/1	180	STEINBECK 310 - CEILING POWER	R
R	STEINBECK 310 - EAST DEDICATED	720	20/1	13	●			14	20/1	180	STEINBECK 310 - CEILING POWER	R
R	STEINBECK 310 - EAST DEDICATED	720	20/1	15		●		16	20/1	180	STEINBECK 310 - CEILING POWER	R
R	STEINBECK 310 - SOUTH DEDICATED	720	20/1	17			●	18	20/1	180	STEINBECK 310 - CEILING POWER	R
	SPARE	720	20/1	19	●			20	20/1	180	STEINBECK 310 - CEILING POWER	R
R	STEINBECK 310 - FLOORBOX	180	20/1	21		●		22	20/1	180	STEINBECK 310 - CEILING POWER	R
R	STEINBECK 310 - FLOORBOX	180	20/1	23			●	24	20/1	180	STEINBECK 310 - CEILING POWER	R
R	STEINBECK 310 - FLOORBOX	180	20/1	25	●			26	20/1	180	STEINBECK 310 - CEILING POWER	R
R	STEINBECK 310 - FLOORBOX	180	20/1	27		●		28	20/1	180	EXTERIOR SIGN - NORTHEAST	E
R	STEINBECK 310 - FLOORBOX	180	20/1	29			●	30	20/1		SPARE	
R	STEINBECK 310 - FLOORBOX	180	20/1	31	●			32	20/1		SPARE	
R	STEINBECK 310 - FLOORBOX	180	20/1	33		●		34	20/1		SPARE	
E	PRE 300 - MOTORIZED SHADES	1000	20/1	35			●	36	20/1		SPARE	
E	PRE 300 - MOTORIZED SHADES	1000	20/1	37	●			38			SPACE	
E	PRE 300 - MOTORIZED SHADES	1000	20/1	39		●		40			SPACE	
	SPACE		20/1	41			●	42			SPACE	

TOTAL ALL PHASES (VA)	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	TOTAL ALL PHASES (AMPS)
12720	4420	4240	4060	35

CLC (2)

BUSSING: 225A, 10,000 AIC SYMMETRICAL — MAIN: MLO — LOCATION: ELECTRICAL ROOM — MOUNTING: SURFACE

120/208V, 3 PHASE, 4 WIRE — 100% RATED NEUTRAL + GROUND

TYPE	DESCRIPTION	LOAD	DEVICE	CKT	A	B	C	CKT	DEVICE	LOAD	DESCRIPTION	TYPE
R	PREFUNC 300 - DEDICATED	180	20/1	43	●			44	20/1		SPARE	
R	PREFUNC 301 - DEDICATED	180	20/1	45		●		46	20/1		SPARE	
R	TERRACE 330 - DEDICATED	180	20/1	47			●	48	20/1		SPARE	
R	TERRACE 330 - DEDICATED	180	20/1	49	●			50	20/1		SPARE	
R	STEINBECK 310 - SOUTH REC	720	20/1	51		●		52	20/1	900	ROOF CONV REC	R
R	STEINBECK 310 - SOUTH DEDICATED	180	20/1	53			●	54	20/1	500	PREFUNC 301 - MOTOR SHADES	M
R	STEINBECK 310 - SOUTH DEDICATED	180	20/1	55	●			56	20/1	500	PREFUNC 301 - MOTOR SHADES	M
R	STEINBECK 310 - WEST REC	540	20/1	57		●		58	20/1	500	PREFUNC 301 - MOTOR SHADES	M
R	STEINBECK 310 - WEST DEDICATED	180	20/1	59			●	60	20/1	500	STEINBECK 310 - MOTOR SHADES	M
R	STEINBECK 310 - NORTH REC	540	20/1	61	●			62	20/1	500	STEINBECK 310 - MOTOR SHADES	M
R	STEINBECK 310 - NORTH DEDICATED	180	20/1	63		●		64	20/1	500	STEINBECK 310 - MOTOR SHADES	M
R	STEINBECK 310 - NORTH DEDICATED	180	20/1	65			●	66	20/1	500	STEINBECK 310 - MOTOR SHADES	M
E	STEINBECK 310 - DOOR RELEASE	350	20/1	67	●			68	20/1		SPARE	
E	ROOF - BIRD CONTROL	500	20/1	69		●		70	20/1		SPARE	
E	ROOF - BIRD CONTROL	500	20/1	71			●	72	20/1	500	STEINBECK 310 - MOTOR SHADES	M
E	ROOF - BIRD CONTROL	500	20/1	73	●			74	20/1	500	STEINBECK 310 - MOTOR SHADES	M
	SPARE		20/1	75		●		76	20/1	500	STEINBECK 310 - MOTOR SHADES	M
	SPARE		20/1	77			●	78	20/1	500	STEINBECK 310 - MOTOR SHADES	M
	SPACE			79	●			80			SPACE	
	SPACE			81		●		82			SPACE	
	SPACE			83			●	84			SPACE	

TOTAL ALL PHASES (VA)	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	TOTAL ALL PHASES (AMPS)
11670	3430	4520	3720	32

LOAD SUMMARY BY TYPE	CONN. LOAD	DEMAND FACTOR	NEC LOAD
E = EQUIPMENT	5030 VA	1.00	5030 VA
H = ELECTRIC HEAT	0 VA	1.00	0 VA
K = KITCHEN EQUIPMENT	0 VA	1.00	0 VA
L = LIGHTING	0 VA	1.25	0 VA
M = MOTOR	4324 VA	1.00	4324 VA
M = LARGEST MOTOR	1176 VA	1.25	1470 VA
R = RECEPTACLE	13140 VA	NEC DEMAND	11570 VA

CONNECTED LOAD SUMMARY
23670 VA
66 AMPS

NEC LOAD SUMMARY
22394 VA
62 AMPS

L

BUSSING: 100A, 10,000 AIC SYMMETRICAL — MAIN: MLO — LOCATION: ELECTRICAL ROOM — MOUNTING: SURFACE

120/208V, 3 PHASE, 4 WIRE — 100% RATED NEUTRAL + GROUND

TYPE	DESCRIPTION	LOAD	DEVICE	CKT	A	B	C	CKT	DEVICE	LOAD	DESCRIPTION	TYPE
	SPARE (WAS TRELLIS OUTLETS)		*20/1*	1	●			2	*20/1*	720	PLAZA RECEPTACLES	R
	SPARE (WAS LTG, BOLLARD LTS)		*20/1*	3		●		4	*20/1*	720	PLAZA RECEPTACLES	R
E	SVC VEST 106 - IRRIG CTRL	500	*20/1*	5			●	6	*20/1*		SPARE	
	SPARE (WAS LTG, BOLLARD LTS)		*20/1*	7	●			8	*20/1*		SPARE (WAS LTG, BOLLARD LTS)	
L	*(E) TREE LIGHTS*	1000	*20/1*	9		●		10	*20/3*	1000	*(E) BATTERY CHARGER FORKLIFT*	E
L	*(E) TREE LIGHTS*	1000	*20/1*	11			●	12	"	1000	"	E
	SPARE (WAS TRELLIS LIGHTS)		*20/1*	13	●			14	"	1000	"	E
E	*(E) MAKEUP WATER VALVE, WIND*	1000	*20/1*	15		●		16	*20/1*	1000	*(E) IRRIGATION CTRL, FLR BOXES*	E
E	*(E) EXISTING LOAD*	1000	*20/1*	17			●	18	*20/1*	180	*(E) OUTLET*	R
E	*(E) TIMECLOCK,PHOTOCELL*	1000	*20/1*	19	●			20	*20/1*	1000	*(E) EXISTING LOAD*	E
	SPARE (WAS FOUNTAIN PUMP)		*30/3*	21		●		22	*50/3*	5000	*(E) LIGHTING PANEL (UNNAMED)*	E
	"		"	23			●	24	"	5000	"	E
	"		"	25	●			26	"	5000	"	E
	SPACE	0		27		●		28	15/2	500	AIR COMPRESSOR FOR BOLLARDS	E
	SPACE	0		29			●	30	"	500	"	E

TOTAL ALL PHASES (VA)	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	TOTAL ALL PHASES (AMPS)
28120	8720	10220	9180	78

LOAD SUMMARY BY TYPE	CONN. LOAD	DEMAND FACTOR	NEC LOAD
E = EQUIPMENT	24500 VA	1.00	24500 VA
H = ELECTRIC HEAT	0 VA	1.00	0 VA
K = KITCHEN EQUIPMENT	0 VA	1.00	0 VA
L = LIGHTING	2000 VA	1.25	2500 VA
M = MOTOR	0 VA	1.00	0 VA
M = LARGEST MOTOR		1.25	0 VA
R = RECEPTACLE	1620 VA	NEC DEMAND	1620 VA

CONNECTED LOAD SUMMARY
28120 VA
78 AMPS

NEC LOAD SUMMARY
28620 VA
80 AMPS

UNNAMED

BUSSING: 100A, 10,000 AIC SYMMETRICAL — MAIN: MLO — LOCATION: ELECTRICAL ROOM — MOUNTING: SURFACE

120/208V, 3 PHASE, 4 WIRE — 100% RATED NEUTRAL + GROUND

TYPE	DESCRIPTION	LOAD	DEVICE	CKT	A	B	C	CKT	DEVICE	LOAD	DESCRIPTION	TYPE
E	*(E) EXISTING LOAD*	1000	*20/2*	1	●			2	*15/1*	1000	*(E) EXISTING LOAD*	E
E	"	1000	"	3		●		4	*15/1*	1000	*(E) EXISTING LOAD*	E
E	*(E) EXISTING LOAD*	1000	*20/2*	5			●	6	*15/1*	1000	*(E) EXISTING LOAD*	E
E	"	1000	"	7	●			8	*15/1*	1000	*(E) EXISTING LOAD*	E
E	*(E) EXISTING LOAD*	1000	*20/2*	9		●		10	*15/1*	1000	*(E) EXISTING LOAD*	E
E	"	1000	"	11			●	12	*20/1*	1000	*(E) EXISTING LOAD*	E
	SPACE	0		13	●			14	*20/1*	1000	*(E) EXISTING LOAD*	E
	SPACE	0		15		●		16	*20/1*	1000	*(E) EXISTING LOAD*	E
	SPACE	0		17			●	18	*20/1*	1000	*(E) EXISTING LOAD*	E
	SPACE	0		19	●			20		0	*SPACE*	
	SPACE	0		21		●		22		0	*SPACE*	
	SPACE	0		23			●	24		0	*SPACE*	

TOTAL ALL PHASES (VA)	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	TOTAL ALL PHASES (AMPS)
15000	5000	5000	5000	42

LOAD SUMMARY BY TYPE	CONN. LOAD	DEMAND FACTOR	NEC LOAD
E = EQUIPMENT	15000 VA	1.00	15000 VA
H = ELECTRIC HEAT	0 VA	1.00	0 VA
K = KITCHEN EQUIPMENT	0 VA	1.00	0 VA
L = LIGHTING	0 VA	1.25	0 VA
M = MOTOR	0 VA	1.00	0 VA
M = LARGEST MOTOR		1.25	0 VA
R = RECEPTACLE	0 VA	NEC DEMAND	0 VA

CONNECTED LOAD SUMMARY
15000 VA
42 AMPS

NEC LOAD SUMMARY
15000 VA
42 AMPS

ALE (1)	AELA	CLD (1)	CLC (1)
ALE (2)	CELA	CLD (2)	CLC (2)
ALF (1)	EDP		L
ALF (2)	LRC-BA		UNNAMED

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL

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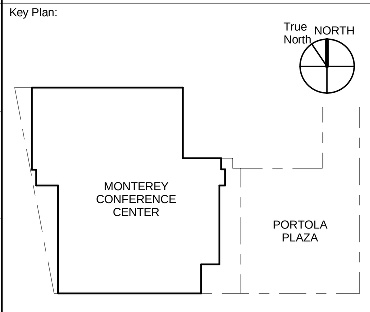
Issued For:

No.:	Description:	Date:
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015
1	ADDENDUM 1	11 SEPT 2015
2	ADDENDUM 2	18 SEPT 2015

Key Plan:



Seal & Signature:
REGISTERED PROFESSIONAL ENGINEER
AMANDA J. BROWNLEE
No. E17287
ELECTRICAL
STATE OF CALIFORNIA

Sheet Name:
ELECTRICAL SCHEDULES

Project No.: Project Number
Drawn By: Author
Checked By: Checker
Scale: 12" = 1'-0"
Sheet No.: E0.06

9/17/2015 1:11:00 PM

Approved as to Form
CAO RISK

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 05/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-01-E
Indoor Lighting	(Page 5 of 6)
Project Name: Monterey Conference Center	Date Prepared: 9/16/2015

A separate Lighting Schedule Must Be Filled Out for Conditioned and Unconditioned Spaces. Installed Lighting Power listed on this Lighting Schedule is only for:
☑ **CONDITIONED SPACE** ☐ **UNCONDITIONED SPACE**

C. INDOOR LIGHTING SCHEDULE and FIELD INSPECTION ENERGY CHECKLIST

Luminaire Schedule		Installed Watts				Location	Field Inspector[1]	
A	B	C	D		E	F	G	H	
Name or Item Tag	Complete Luminaire Description. (i.e., 3 lamp fluorescent troffer, FS27B, one dimmable electronic ballast)	Watts per Luminaire	How wattage was determined: CEC Default Table Watts	How wattage was determined: According to §130.0(b)	Number Luminaires	Total Installed Watts in this area (C x E)	Primary Function area in which these luminaires are installed	Pass	Fail
F13	F13	8.0	☐	☑	14	112	Corridor/Restroom/Support	☐	☐
F14	F14	60.0	☐	☑	12	720	Convention/Conference/Meeting	☐	☐
F14a	F14a	60.0	☐	☑	6	360	Convention/Conference/Meeting	☐	☐
F16	F16	8.0	☐	☑	40	320	Convention/Conference/Meeting	☐	☐
F17	F17	5.0	☐	☑	8	40	Corridor/Restroom/Support	☐	☐
F1a	F1a	16.6	☐	☑	36	598	Lobby, Main Entry	☐	☐
F1a	F1a	16.6	☐	☑	24	398	Convention/Conference/Meeting	☐	☐
F1a	F1a	16.6	☐	☑	1	17	Waiting Areas/Lounges	☐	☐
F1a	F1a	16.6	☐	☑	28	465	Corridor/Restroom/Support	☐	☐
					INSTALLED WATTS PAGE TOTAL:	3,029	Enter sum total of all pages into NRCC-LTI-01-E; Page 2		

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 05/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-01-E
Indoor Lighting	(Page 4 of 6)
Project Name: Monterey Conference Center	Date Prepared: 9/16/2015

G. Installed Portable Luminaires in Offices – Exception to Section 140.6(a)

☐ This section shall be filled out ONLY for portable luminaires in offices (As defined in §100.1). All other planned portable luminaires shall be documented on next page of this compliance form.
☐ This section is used to determine if greater than 0.3 watts of portable lighting is planned for any office.
☐ Fill out a separate line for each different office. Small offices that are typical (having the same general and portable lighting) may be grouped together. This allowance shall not be traded between offices having different lighting systems.

Office Portable Luminaire Schedule	Office Installed Portable Luminaire Watts Per Square Foot							Office Locations	Field Inspector
1	2	3	4	5	6	7	8	9	10	
Complete Luminaire Description (i.e., LED, under cabinet, furniture mounted direct/indirect)	Watts per Luminaire	Number of Identical Luminaires	Installed portable luminaire watts in this office (3 x C)	Square Feet of the Office	Watts per square foot: (D / E)	If F ≤ 0.3, enter zero: If F > 0.3, (F-0.3)	E x G	Identify Office area in which these portable luminaires are installed	Pass	Fail
									☐	☐
									☐	☐
									☐	☐
									☐	☐
									☐	☐
Total installed portable luminaire watts that are greater than 0.3 watts per square foot per office:								Enter sum total of all pages into NRCC-LTI-01-E; Page 1		

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 05/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-01-E
Indoor Lighting	(Page 1 of 6)
Project Name: Monterey Conference Center	Date Prepared: 9/16/2015

A. General Information

Climate Zone: 3	Conditioned Floor Area : 69,437 Unconditioned Floor Area : 0				
Building Type:	☑ Nonresidential	☐ High-Rise Residential	☐ Hotel/Motel		
☐ Schools	☐ Relocatable Public Schools	☑ Conditioned Spaces	☐ Unconditioned Spaces		
Phase of Construction:	☐ New Construction	☐ Addition	☑ Alteration		
Method of Compliance:	☐ Complete Building	☑ Area Category	☐ Tailored		
Project Address: 1 Portola Plaza					

B. Lighting Compliance Documents (select yes for each document included)

For detailed instructions on the use of this and all Energy Efficiency Standards compliance documents, refer to the Nonresidential Manual published by the California Energy Commission.

YES	NO	FORM	TITLE
✓		NRCC-LTI-01-E	Certificate of Compliance. All Pages required on plans for all submittals.
✓		NRCC-LTI-02-E	Lighting Controls, Certificate of Compliance, and PAF Calculation. All Pages required on plans for all submittals.
✓		NRCC-LTI-03-E	Indoor Lighting Power Allowance
	✓	NRCC-LTI-04-E	Tailored Method Worksheets
	✓	NRCC-LTI-05-E	Line Voltage Track Lighting Worksheets

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 05/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-01-E
Indoor Lighting	(Page 3 of 6)
Project Name: Monterey Conference Center	Date Prepared: 9/16/2015

A separate Lighting Schedule Must Be Filled Out for Conditioned and Unconditioned Spaces. Installed Lighting Power listed on this Lighting Schedule is only for:
☑ **CONDITIONED SPACE** ☐ **UNCONDITIONED SPACE**

C. INDOOR LIGHTING SCHEDULE and FIELD INSPECTION ENERGY CHECKLIST

Luminaire Schedule		Installed Watts				Location	Field Inspector[1]	
A	B	C	D		E	F	G	H	
Name or Item Tag	Complete Luminaire Description. (i.e., 3 lamp fluorescent troffer, FS27B, one dimmable electronic ballast)	Watts per Luminaire	How wattage was determined: CEC Default Table Watts	How wattage was determined: According to §130.0(b)	Number Luminaires	Total Installed Watts in this area (C x E)	Primary Function area in which these luminaires are installed	Pass	Fail
F1b	F1b	29.0	☐	☑	10	290	Corridor/Restroom/Support	☐	☐
F1b	F1b	29.0	☐	☑	7	203	Lobby, Main Entry	☐	☐
F1b	F1b	29.0	☐	☑	5	145	Convention/Conference/Meeting	☐	☐
F1d	F1d	11.7	☐	☑	6	70	Lobby, Main Entry	☐	☐
F1d	F1d	11.7	☐	☑	52	608	Corridor/Restroom/Support	☐	☐
F1e	F1e	32.9	☐	☑	5	165	Convention/Conference/Meeting	☐	☐
F2	F2	32.9	☐	☑	12	395	Convention/Conference/Meeting	☐	☐
F20	F20	6.0	☐	☑	35	210	Convention/Conference/Meeting	☐	☐
F21	F21	45.0	☐	☑	84	3,780	Convention/Conference/Meeting	☐	☐
					INSTALLED WATTS PAGE TOTAL:	5,866	Enter sum total of all pages into NRCC-LTI-01-E; Page 2		

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 05/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-01-E
Indoor Lighting	(Page 3 of 6)
Project Name: Monterey Conference Center	Date Prepared: 9/16/2015

A separate Lighting Schedule Must Be Filled Out for Conditioned and Unconditioned Spaces. Installed Lighting Power listed on this Lighting Schedule is only for:
☑ **CONDITIONED SPACE** ☐ **UNCONDITIONED SPACE**

C. INDOOR LIGHTING SCHEDULE and FIELD INSPECTION ENERGY CHECKLIST

Luminaire Schedule		Installed Watts				Location	Field Inspector[1]	
A	B	C	D		E	F	G	H	
Name or Item Tag	Complete Luminaire Description. (i.e., 3 lamp fluorescent troffer, FS27B, one dimmable electronic ballast)	Watts per Luminaire	How wattage was determined: CEC Default Table Watts	How wattage was determined: According to §130.0(b)	Number Luminaires	Total Installed Watts in this area (C x E)	Primary Function area in which these luminaires are installed	Pass	Fail
A	A	75.0	☐	☑	72	5,400	Lobby, Main Entry	☐	☐
B1	B1	64.0	☐	☑	16	1,024	Electrical, Mechanical Room	☐	☐
B1	B1	64.0	☐	☑	1	64	Corridor/Restroom/Support	☐	☐
B4	B4	64.0	☐	☑	9	576	Corridor/Restroom/Support	☐	☐
B4	B4	64.0	☐	☑	15	960	Commercial, Industrial Storage	☐	☐
B4	B4	64.0	☐	☑	6	384	Electrical, Mechanical Room	☐	☐
B4a	B4a	64.0	☐	☑	7	448	Corridor/Restroom/Support	☐	☐
B4A	B4a	64.0	☐	☑	4	256	Corridor/Restroom/Support	☐	☐
B6	B6	81.0	☐	☑	8	648	Corridor/Restroom/Support	☐	☐
					INSTALLED WATTS PAGE TOTAL:	9,760	Enter sum total of all pages into NRCC-LTI-01-E; Page 2		

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 05/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-01-E
Indoor Lighting	(Page 2 of 6)
Project Name: Monterey Conference Center	Date Prepared: 9/16/2015

C. Summary of Allowed Lighting Power

Conditioned and Unconditioned space Lighting must not be combined for compliance

	Indoor Lighting Power for Conditioned Spaces		Watts	Indoor Lighting Power for Unconditioned Spaces		Watts
1.	**Installed** Lighting NRCC-LTI-01-E, page 4	+	84,167	**Installed** Lighting NRCC-LTI-03-E, page 4	+	0
2.	PORTABLE ONLY FOR OFFICES NRCC-LTI-01-E, page 3	+				
3.	Minus Lighting Control Credits NRCC-LTI-02-E, page 2	-	270	Minus Lighting Control Credits NRCC-LTI-02-E, page 2	-	0
4.	Adjusted **Installed** Lighting Power (row 1 plus row 2 minus row 3)	=	83,897	Adjusted **Installed** Lighting Power (row 3 minus row 3)	=	0
5.	Complies ONLY if **Installed** ≤ **Allowed**			Complies ONLY if **Installed** ≤ **Allowed**		
6.	**Allowed** Lighting Power Conditioned NRCC-LTI-03-E, page 1		89,869	**Allowed** Lighting Power Unconditioned NRCC-LTI-03-E, page 1		0

D. Declaration of Required Installation Certificates

Declare by selecting yes for all Installation Certificates that will be submitted. (Retain copies and verify forms are completed and signed.)

YES	NO	Form/Title	
✓		NRCI-LTI-01-E - Must be submitted for all buildings	☐ Field Inspector
	✓	NRCI-LTI-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.	☐ Field Inspector
	✓	NRCI-LTI-03-E - Must be submitted for a line-voltage track lighting integral current limiter, or for a supplementary overcurrent protection panel used to energize only line-voltage track lighting, to be recognized for compliance.	☐ Field Inspector
	✓	NRCI-LTI-04-E - Must be submitted for two interlocked systems serving an auditorium, a convention center, a conference room, a multipurpose room, or a theater to be recognized for compliance.	☐ Field Inspector
✓		NRCI-LTI-05-E - Must be submitted for a Power Adjustment Factor (PAF) to be recognized for compliance.	☐ Field Inspector
	✓	NRCI-LTI-06-E - Must be submitted for additional wattage installed in a video conferencing studio to be recognized for compliance.	☐ Field Inspector

E. Declaration of Required Certificates of Acceptance

Declare by checking all of the Certificates of Acceptance that will be submitted. (Retain copies and verify forms are completed and signed.)

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 05/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-01-E
Indoor Lighting	(Page 3 of 6)
Project Name: Monterey Conference Center	Date Prepared: 9/16/2015

A separate Lighting Schedule Must Be Filled Out for Conditioned and Unconditioned Spaces. Installed Lighting Power listed on this Lighting Schedule is only for:
☑ **CONDITIONED SPACE** ☐ **UNCONDITIONED SPACE**

C. INDOOR LIGHTING SCHEDULE and FIELD INSPECTION ENERGY CHECKLIST

Luminaire Schedule		Installed Watts				Location	Field Inspector[1]	
A	B	C	D		E	F	G	H	
Name or Item Tag	Complete Luminaire Description. (i.e., 3 lamp fluorescent troffer, FS27B, one dimmable electronic ballast)	Watts per Luminaire	How wattage was determined: CEC Default Table Watts	How wattage was determined: According to §130.0(b)	Number Luminaires	Total Installed Watts in this area (C x E)	Primary Function area in which these luminaires are installed	Pass	Fail
F21a	F21a	45.0	☐	☑	168	7,560	Convention/Conference/Meeting	☐	☐
F22	F22	6.2	☐	☑	670	4,154	Convention/Conference/Meeting	☐	☐
F25	F25	31.0	☐	☑	831	25,761	Lobby, Main Entry	☐	☐
F2a	F2a	32.9	☐	☑	16	526	Convention/Conference/Meeting	☐	☐
F2c	F2c	32.9	☐	☑	26	855	Convention/Conference/Meeting	☐	☐
F2d	F2d	32.9	☐	☑	18	592	Convention/Conference/Meeting	☐	☐
F3	F3	8.0	☐	☑	88	704	Lobby, Main Entry	☐	☐
F3	F3	8.0	☐	☑	8	64	Corridor/Restroom/Support	☐	☐
F3	F3	8.0	☐	☑	21	168	Office > 250 sqft	☐	☐
					INSTALLED WATTS PAGE TOTAL:	40,385	Enter sum total of all pages into NRCC-LTI-01-E; Page 2		

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 05/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-01-E
Indoor Lighting	(Page 3 of 6)
Project Name: Monterey Conference Center	Date Prepared: 9/16/2015

A separate Lighting Schedule Must Be Filled Out for Conditioned and Unconditioned Spaces. Installed Lighting Power listed on this Lighting Schedule is only for:
☑ **CONDITIONED SPACE** ☐ **UNCONDITIONED SPACE**

C. INDOOR LIGHTING SCHEDULE and FIELD INSPECTION ENERGY CHECKLIST

Luminaire Schedule		Installed Watts				Location	Field Inspector[1]	
A	B	C	D		E	F	G	H	
Name or Item Tag	Complete Luminaire Description. (i.e., 3 lamp fluorescent troffer, FS27B, one dimmable electronic ballast)	Watts per Luminaire	How wattage was determined: CEC Default Table Watts	How wattage was determined: According to §130.0(b)	Number Luminaires	Total Installed Watts in this area (C x E)	Primary Function area in which these luminaires are installed	Pass	Fail
B7	B7	13.0	☐	☑	1	13	Corridor/Restroom/Support	☐	☐
B7	B7	13.0	☐	☑	2	26	Convention/Conference/Meeting	☐	☐
F1	F1	16.6	☐	☑	1	17	Office > 250 sqft	☐	☐
F1	F1	16.6	☐	☑	15	249	Convention/Conference/Meeting	☐	☐
F1	F1	16.6	☐	☑	2	33	Office <= 250 sqft	☐	☐
F10	F10	12.0	☐	☑	1,152	13,824	Lobby, Main Entry	☐	☐
F11	F11	8.0	☐	☑	86	688	Convention/Conference/Meeting	☐	☐
F13	F13	8.0	☐	☑	28	224	Office > 250 sqft	☐	☐
F13	F13	8.0	☐	☑	48	384	Office <= 250 sqft	☐	☐
					INSTALLED WATTS PAGE TOTAL:	15,458	Enter sum total of all pages into NRCC-LTI-01-E; Page 2		

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 05/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-01-E
Indoor Lighting	(Page 3 of 6)
Project Name: Monterey Conference Center	Date Prepared: 9/16/2015

YES	NO	Form/Title	
	✓	NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	☐ Field Inspector
	✓	NRCA-LTI-03-A - Must be submitted for automatic daylight controls.	☐ Field Inspector
	✓	NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls.	☐ Field Inspector

A separate Lighting Schedule Must Be Filled Out for Conditioned and Unconditioned Spaces. Installed Lighting Power listed on this Lighting Schedule is only for:
☐ **CONDITIONED SPACE** ☐ **UNCONDITIONED SPACE**

F. Indoor Lighting Schedule and Field Inspection Energy Checklist

☐ The actual indoor lighting power listed on this page and on the next page includes all installed permanent and planned portable lighting systems.
☐ When Complete Building Method is used for compliance, list each different type of luminaire on separate lines.
☐ When Area Category Method or Tailored Method is used for compliance, list each different type of luminaire by each different function area on separate lines
☐ Also include track lighting in schedule, and submit the track lighting compliance form (NRCC-LTI-05-E) when line-voltage track lighting is installed.

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL

580 PACIFIC STREET, MONTEREY, CA 93940
TEL: (831) 646-5601

Architect:

SOM
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

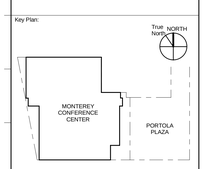
Consultants:

WSP
405 Howard St., Suite 500
San Francisco, CA 94105
(415) 398-3833
www.wspgroup.com/usa

Issued For:

No.	Description:	Date:
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015
2	ADDENDUM 2	18 SEPT 2015

Key Plan:



Seal & Signature:

Sheet Name:

ELECTRICAL
TITLE 24
CALCULATIONS

Project No.: Project Number	Sheet No.: E0.10
Drawn By: Author	
Checked By: Checker	
Scale: 12" = 1'-0"	

Approved as to Form CAO RISK
Agreement #: Ag-5097 - Page 373 of 429

STATE OF CALIFORNIA
INDOOR LIGHTING POWER ALLOWANCE
CEC-NRCC-LTI-03-E (Revised 05/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-03-E
Certificate of Compliance - Indoor Lighting Power Allowance	(Page 1 of 4)
Project Name: Monterey Conference Center	Date Prepared: 9/16/2015

ALLOWED LIGHTING POWER

A separate page must be filled out for Conditioned and Unconditioned Spaces. This page is only for:

☑ CONDITIONED spaces ☐ UNCONDITIONED spaces

A. SUMMARY TOTALS OF LIGHTING POWER ALLOWANCES

☐ If using Complete Building Method for compliance, use only the total in column (a) as total allowed building watts.

☐ If using Area Category Method, Tailored Method, or a combination of Area Category and Tailored Method for compliance, use only the total in column (b) as the total allowed building watts

	(a)	(b)
1. Complete Building Method Allowed Watts. Documented in section B of NRCC-LTI-03-E (below on this page)		
2. Area Category Method Allowed Watts. Documented in section C-1 of NRCC-LTI-03-E (below on this page)		89,669
3. Tailored Method Allowed Watts. Documented in section A of NRCC-LTI-04-E		0
TOTAL ALLOWED BUILDING WATTS. Enter number into correct cell on NRCC-LTI-01, Page 2, Row 1		89,669

☐ Check here if building contains both conditioned and unconditioned areas.

B. COMPLETE BUILDING METHOD LIGHTING POWER ALLOWANCE

A TYPE OF BUILDING (From §140.6 Table 140.6-B)	B WATTS PER (ft^2)		C COMPLETE BLDG. AREA		D ALLOWED WATTS
Total Area:					
Total Watts. Enter Total Watts into section A, row 1 (Above on this page)					

C -1 AREA CATEGORY METHOD TOTAL LIGHTING POWER ALLOWANCES (C-2 plus C-3)	Watts
Total from section C-2	89,669
Total from section C-3	0
Total Watts. Enter Total Watts into section A, row 2 (Above on this page)	89,669

STATE OF CALIFORNIA
INDOOR LIGHTING POWER ALLOWANCE
CEC-NRCC-LTI-03-E (Revised 05/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-03-E
Certificate of Compliance - Indoor Lighting Power Allowance	(Page 2 of 4)
Project Name: Monterey Conference Center	Date Prepared: 9/16/2015

A separate page must be filled out for Conditioned and Unconditioned Spaces. This page is only for:

☑ CONDITIONED spaces ☐ UNCONDITIONED spaces

C-2 AREA CATEGORY METHOD GENERAL LIGHTING POWER ALLOWANCE

☐ Do not include portable lighting for offices. Portable lighting for offices shall be documented only in section B of NRCC-LTI-01-E.

☐ Separately list lighting for each primary function area as defined in §100.1 of the Standards.

A AREA CATEGORY (From §140.6 Table 140.6-C) Location in Building	Primary Function Area per Table 140.6-C	B WATTS PER (ft^2)		C AREA (ft^2)		D ALLOWED WATTS
LOBBY/BALLROOM	Lobby, Main Entry	1.50		27,497		41,246
SUPPORT AREAS	Corridor/Restroom/Support	0.60		4,147		2,488
STORAGE	Commercial, Industrial Storage	0.60		755		453
MEP ROOMS	Electrical, Mechanical Room	0.70		680		476
Locker Room	Locker/Dressing Room	0.80		190		152
Lounge	Waiting Areas/Lounges	0.80		123		98
CONVENTION/MEETING ROOMS	Convention/Conference/Meeting	1.40		7,094		9,932
MEP ROOMS	Electrical, Mechanical Room	0.70		903		632
OFFICE > 250	Office > 250 sqft	0.75		560		420
OFFICE < 250	Office <= 250 sqft	1.00		718		718
SUPPORT AREAS	Corridor/Restroom/Support	0.60		1,592		955
CONVENTION/MEETING ROOMS	Convention/Conference/Meeting	1.40		21,190		29,666
MEP ROOMS	Electrical, Mechanical Room	0.70		401		281
STORAGE	Commercial, Industrial Storage	0.60		668		401
SUPPORT AREAS	Corridor/Restroom/Support	0.60		2,919		1,751
			TOTALS	69,437		
Enter sum total Area Category allowed watts into section C-1 of NRCC-LTI-03-E (this compliance form)						89,669
						WATTS

STATE OF CALIFORNIA
INDOOR LIGHTING POWER ALLOWANCE
CEC-NRCC-LTI-03-E (Revised 05/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-03-E
Certificate of Compliance - Indoor Lighting Power Allowance	(Page 3 of 4)
Project Name: Monterey Conference Center	Date Prepared: 9/16/2015

A separate page must be filled out for Conditioned and Unconditioned Spaces. This page is only for:

☑ CONDITIONED spaces ☐ UNCONDITIONED spaces

C-3 AREA CATEGORY METHOD — Additional Lighting Wattage Allowance (from Table 140.6-C Footnotes)

A Primary Function	B Sq Ft or linear ft [1]	C [2] Additional Watts Allowed	D Wattage Allowance (B x C)	E Description(s) and Quantity of Special Luminaire Types in each Primary Function Area	F Total Design Watts [3]	G ALLOWED WATTS Smaller of D or F
				TOTALS – Enter into TOTAL AREA CATEGORY METHOD ADDITIONAL ALLOWANCES – Section C-1		0

1. Use linear feet only for additional allowance for white board or chalk board. All other additional Area Category allowances shall use watts per square foot.
2. Additional watts are available only when allowed according to the footnotes on bottom of Table 146-C, which include: Specialized task work; Ornamental lighting; Precision commercial and industrial work; Per linear foot of white board or chalk board; Accent, display and feature lighting; and Videoconferencing Studio lighting..
3. Luminaire classification and wattage shall be determined in accordance with §130.0(c) of the Standards.

STATE OF CALIFORNIA
INDOOR LIGHTING – LIGHTING CONTROLS
CEC-NRCC-LTI-02-E (Revised 05/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-02-E
Indoor Lighting - Lighting Controls	(Page 1 of 3)
Project Name: Monterey Conference Center	Date Prepared: 9/16/2015

The NRCC-LTI-02-E shall be used to document all mandatory and prescriptive lighting controls that are applicable to the project.

Mandatory Lighting Control Declaration Statements (Indicate if the measure applies by checking yes or no below.)

YES	NO	Control Requirements
	✓	Lighting shall be controlled by self-contained lighting control devices which are certified to the Energy Commission according to the Title 20 Appliance Efficiency Regulations in accordance with Section 110.9.
	✓	Lighting shall be controlled by a lighting control system or energy management control system in accordance with §110.9. An Installation Certificate shall be submitted in accordance with Section 130.4(b).
	✓	One or more Track Lighting Integral Current Limiters shall be installed which have been certified to the Energy Commission in accordance with §110.9 and §130.0. Additionally, an Installation Certificate shall be installed in accordance with Section 130.4(b).
	✓	A Track Lighting Supplementary Overcurrent Protection Panel shall be installed in accordance with Section 110.9 and Section 130.0. Additionally, an Installation Certificate shall be installed in accordance with Section 130.4(b).
✓		All lighting controls and equipment shall comply with the applicable requirements in §110.9 and shall be installed in accordance with the manufacturer's instructions in accordance with Section 130.1.
	✓	All luminaires shall be functionally controlled with manually switched ON and OFF lighting controls in accordance with Section 130.1(a).
✓		General lighting shall be separately controlled from all other lighting systems in an area. Floor and wall display, window display, case display, ornamental, and special effects lighting shall each be separately controlled on circuits that are 20 amps or less. When track lighting is used, general, display, ornamental, and special effects lighting shall each be separately controlled; in accordance with Section 130.1(a)4.
	✓	The general lighting of any enclosed area 100 square feet or larger, with a connected lighting load that exceeds 0.5 watts per square foot shall meet the multi-level lighting control requirements in accordance with Section 130.1(b).
	✓	All installed indoor lighting shall be equipped with controls that meet the applicable Shut-OFF control requirements in Section 130.1(c).
	✓	Lighting in all Daylit Zones shall be controlled in accordance with the requirements in Section 130.1(d) and daylit zones are shown on the plans.
	✓	Lighting power in buildings larger than 10,000 square feet shall be capable of being automatically reduced in response to a Demand Responsive Signal in accordance with Section 130.1(e).
✓		Before an occupancy permit is granted for a newly constructed building or area, or a new lighting system serving a building, area, or site is operated for normal use, indoor lighting controls serving the building, area, or site shall be certified as meeting the Acceptance Requirements for Code Compliance in accordance with Section 130.4 (a). The controls required to meet the Acceptance Requirements include automatic daylight controls, automatic shut-OFF controls, and demand responsive controls.

STATE OF CALIFORNIA
INDOOR LIGHTING – LIGHTING CONTROLS
CEC-NRCC-LTI-02-E (Revised 05/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-02-E
Indoor Lighting - Lighting Controls	(Page 2 of 3)
Project Name: Monterey Conference Center	Date Prepared: 9/16/2015

A separate document must be filled out for Conditioned and Unconditioned Spaces. This page is used only for the following:

☑ CONDITIONED SPACES ☐ UNCONDITIONED SPACES

MANDATORY AND PRESCRIPTIVE INDOOR LIGHTING CONTROL SCHEDULE, PAF CALCULATION, and FIELD INSPECTION CHECKLIST

Lighting Control Schedule			Standards Complying With [1] (✓ all that apply, or enter 'E' if Exempted)							PAF Credit Calculation [2]				PAF Acceptance	Field Inspector
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	
Location in Building	Type/ Description of Lighting Control (i.e.: occupancy sensor, automatic time switch, dimmer, automatic daylight, etc...)	# of Units	§130.1(a)	§130.1(b)	§130.1(c)	§130.1(d)	§130.1(e)	§140.6(d)	§140.6(d)	Wattage Controlled	PAF	Control Credit	Total Credit	Pass	Fail
MEETING ROOM 306	Dimming w/Occ Sensor						✓		240	0.25	60	✓	☐	☐
MEETING ROOM 306	Dimming w/Occ Sensor						✓		120	0.25	30	✓	☐	☐
MEETING ROOM 307	Dimming w/Occ Sensor						✓		240	0.25	60	✓	☐	☐
MEETING ROOM 307	Dimming w/Occ Sensor						✓		120	0.25	30	✓	☐	☐
MEETING ROOM 308	Dimming w/Occ Sensor						✓		240	0.25	60	✓	☐	☐
MEETING ROOM 308	Dimming w/Occ Sensor						✓		120	0.25	30	✓	☐	☐
													☐	☐
Control Credit PAGE TOTAL (Sum of Column M):												270			
IF MULTIPLE PAGES ARE USED, ENTER SUM TOTAL OF Control Credit for all pages HERE (Sum of all Column M):												270			
													Enter Control Credit total into NRCC-LTI-01-E; Page 1.		

1. §130.1(a) = Manual area controls; §130.0(b) = Multi Level; §130.1(c) = Auto Shut-Off; §130.1(d) = Mandatory Daylight; §130.1(e) = Demand Responsive; §140.6(d) = Additional lighting controls installed to earn a PAF; §140.6(d) = Prescriptive Secondary Sidelit Daylight Controls.
2. Check Table 140.6-A for correct Factor. PAFs shall not be traded between conditioned and unconditioned spaces. As a condition to earn a PAF, an Installation Certificate is also required to be filled out, signed, and submitted.

STATE OF CALIFORNIA
INDOOR LIGHTING – LIGHTING CONTROLS
CEC-NRCC-LTI-02-E (Revised 05/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-02-E
Indoor Lighting - Lighting Controls	(Page 3 of 3)
Project Name: Monterey Conference Center	Date Prepared: 9/16/2015

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name:	Amanda Brownlee	Documentation Author Signature:	
Company:	WSP	Signature Date:	9/16/2015
Address:	405 Howard Street, Suite 500	CEA Certification Identification (if applicable):	
City/State/Zip:	San Francisco, CA 94105	Phone:	415-398-3833

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
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Responsible Designer Name:	Amanda Brownlee	Responsible Designer Signature:	
Company:	WSP	Date Signed:	
Address:	405 Howard Street	License:	E17287
City/State/Zip:	San Francisco, CA 94105	Phone:	415 398 3833

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 05/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-01-E
Indoor Lighting	(Page 5 of 6)
Project Name: Monterey Conference Center	Date Prepared: 9/16/2015

A separate Lighting Schedule Must Be Filled Out for Conditioned and Unconditioned Spaces. Installed Lighting Power listed on this Lighting Schedule is only for:

☐ **CONDITIONED SPACE** ☐ **UNCONDITIONED SPACE**

C. INDOOR LIGHTING SCHEDULE and FIELD INSPECTION ENERGY CHECKLIST

Luminaire Schedule			Installed Watts				Location	Field Inspector [1]	
A	B	C	D		E	F	G	H	
			How wattage was determined						
Name or Item Tag	Complete Luminaire Description. (i.e, 3 lamp fluorescent troffer, FS27B, one dimmable electronic ballast)	Watts per Luminaire	CEC Default from M&V	According to §130.0(c)	Number Luminaires	Total Installed Watts in this area (C x E)	Primary Function area in which these luminaires are installed	Pass	Fail
F3a	F3a	16.0	☐	☑	63	1,008	Convention/Conference/Meeting	☐	☐
F3d	F3d	4.5	☐	☑	47	212	Corridor/Restroom/Support	☐	☐
F4	F4	4.0	☐	☑	266	1,064	Corridor/Restroom/Support	☐	☐
F5	F5	9.0	☐	☑	60	540	Convention/Conference/Meeting	☐	☐
F6	F6	36.7	☐	☑	8	294	Corridor/Restroom/Support	☐	☐
F7	F7	1.0	☐	☑	831	831	Convention/Conference/Meeting	☐	☐
F7b	F7b	1.0	☐	☑	1,662	1,662	Corridor/Restroom/Support	☐	☐
F8	F8	4.5	☐	☑	8	36	Waiting Areas/Lounges	☐	☐
F8	F8	4.5	☐	☑	262	1,179	Convention/Conference/Meeting	☐	☐
			INSTALLED WATTS PAGE TOTAL:			8,825	Enter sum total of all pages into NRCC-LTI-01-E; Page 2		

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 05/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-01-E
Indoor Lighting	(Page 5 of 6)
Project Name: Monterey Conference Center	Date Prepared: 9/16/2015

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F9	F9	36.0	☐	☑	4	144	Locker/Dressing Room	☐	☐
F9	F9	36.0	☐	☑	65	2,340	Lobby, Main Entry	☐	☐
F9	F9	36.0	☐	☑	4	144	Corridor/Restroom/Support	☐	☐
F9a	F9a	36.0	☐	☑	6	216	Corridor/Restroom/Support	☐	☐
			☐	☐				☐	☐
			☐	☐				☐	☐
			☐	☐				☐	☐
			☐	☐				☐	☐
			☐	☐				☐	☐
			INSTALLED WATTS PAGE TOTAL:			2,844	Enter sum total of all pages into NRCC-LTI-01-E; Page 2		

STATE OF CALIFORNIA
INDOOR LIGHTING – LIGHTING CONTROLS
CEC-NRCC-LTI-02-E (Revised 05/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-02-E
Indoor Lighting - Lighting Controls	(Page 3 of 3)
Project Name: Monterey Conference Center	Date Prepared: 9/16/2015

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Company:	WSP	Signature Date:	9/16/2015
Address:	405 Howard Street, Suite 500	CEA Certification Identification (if applicable):	
City/State/Zip:	San Francisco, CA 94105	Phone:	415-398-3833

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STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 05/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-01-E
Indoor Lighting	(Page 6 of 6)
Project Name: Monterey Conference Center	Date Prepared: 9/16/2015

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City/State/Zip:	San Francisco, CA 94105	Phone:	415 398 3833

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL

580 PACIFIC STREET, MONTEREY, CA 93940
TEL: (831) 646-5601

Architect:

SOM
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

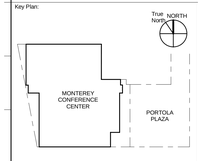
Consultants:

WSP
405 Howard St., Suite 500
San Francisco, CA 94105
(415) 398-3833
www.wspgroup.com/usa

Issued For:

No.	Description:	Date:
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015
2	ADDENDUM 2	18 SEPT 2015

Key Plan:



Seal & Signature:

Sheet Name:

ELECTRICAL TITLE 24 CALCULATIONS

Project No.: Project Number
Drawn By: Author
Checked By: Checker
Scale: 12" = 1'-0"

Sheet No.: E0.11

Approved as to Form: CAO RISK

7/2015 1:10 PM

STATE OF CALIFORNIA
OUTDOOR LIGHTING CONTROLS
CEC-NRCC-LTO-02-E (Revised 09/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-02-E
Outdoor Lighting Controls	(Page 1 of 3)
Project Name: Monterey Conference Center	Date Prepared: 9/16/2015

The NRCC-LTO-02-E shall be used to document all mandatory outdoor lighting controls that are applicable to the project.

Mandatory Outdoor Lighting Control Declaration Statements

Check all that apply:

- ☒ Lighting shall be controlled by self-contained lighting control devices which are certified to the Energy Commission according to the Title 20 Appliance Efficiency Regulations in accordance with §110.9(a).
- ☒ Lighting shall be controlled by a lighting control system or energy management control system in accordance with §110.9. An Installation Certificate shall be submitted in accordance with §130.4(b).
- ☑ All lighting controls and equipment shall comply with the applicable requirements in §110.9 and shall be installed in accordance with the manufacturer's instructions in accordance with §130.1
- ☒ Part-Night Outdoor Lighting Controls, as defined in Section 100.1(b), shall meet the requirements in Section 110.9(b)5
- ☐ All outdoor incandescent luminaires rated over 100 watts, determined in accordance with Section 130.0(c), shall be controlled by a motion sensor.
- ☐ All outdoor luminaires rated for use with lamps greater than 150 lamp watts, determined in accordance with Section 130.0(c), shall comply with Backlight, Uplight, and Glare (collectively referred to as "BUG") in accordance with Section 130.2(b)
- ☒ All installed outdoor lighting shall be controlled by a photocontrol or outdoor astronomical time-switch control in accordance with Section 130.2(c)1
- ☑ All installed outdoor lighting shall be circuited and independently controlled from other electrical loads by an automatic scheduling control in accordance with Section 130.2(c)2
- ☒ All installed outdoor lighting, where the bottom of the luminaire is mounted 24 feet or less above the ground, shall be controlled with automatic lighting controls in accordance with Section 130.2(c)3
- ☐ For Outdoor Sales Frontage, Outdoor Sales Lots, and Outdoor Sales Canopies lighting, an automatic lighting control in accordance with Section 130.2(c)4
- ☒ For Building Facade, Ornamental Hardscape and Outdoor Dining lighting, an automatic lighting control in accordance with Section 130.2(c)5
- ☑ Before an occupancy permit is granted for a newly constructed building or area, or a new lighting system serving a building, area, or site is operated for normal use, indoor lighting controls serving the building, area, or site shall be certified as meeting the Acceptance Requirements for Code Compliance in accordance with §130.4.(a). Outdoor lighting controls shall comply with the applicable requirements of Section 130.2(c) and Reference Nonresidential Appendix NA7.8

STATE OF CALIFORNIA
OUTDOOR LIGHTING CONTROLS
CEC-NRCC-LTO-02-E (Revised 09/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-02-E
Outdoor Lighting Controls	(Page 2 of 3)
Project Name: Monterey Conference Center	Date Prepared: 9/16/2015

MANDATORY OUTDOOR LIGHTING CONTROL SCHEDULE and FIELD INSPECTION CHECKLIST

Outdoor Lighting Control Schedule			Standards Complying With (✓ all that apply, or enter "E" if Exempted)						✓ If Acceptance Test Required	Field Inspector	
A	B	C	D	E	F	G	H	I	N	O	
Location and Application of Luminaires being controlled	Type/ Description of Lighting Control (i.e. motion sensor, photocontrol, outdoor astronomical time-switch control, centralized time-based zone lighting control)	# of Units	§110.9(a)	§130.2(b)	§130.2(c)2	§130.2(c)3	§130.2(c)4	§130.2(c)5		Pass	Fail
										☐	☐
										☐	☐
										☐	☐
										☐	☐
										☐	☐
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STATE OF CALIFORNIA
OUTDOOR LIGHTING CONTROLS
CEC-NRCC-LTO-02-E (Revised 09/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-02-E
Outdoor Lighting Controls	(Page 3 of 3)
Project Name: Monterey Conference Center	Date Prepared: 9/16/2015

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Amanda Brownlee	Documentation Author Signature:
Company: WSP	Signature Date: 9/16/2015
Address: 405 Howard Street, Suite 500	CEA Certification Identification (if applicable):
City/State/Zip: San Francisco, CA 94105	Phone: 415-398-3833

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City/State/Zip: San Francisco, CA 94105	Phone: 415 398 3833

STATE OF CALIFORNIA
OUTDOOR LIGHTING
CEC-NRCC-LTO-01-E (Revised 09/14) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-01-E
Outdoor Lighting	(Page 3 of 4)
Project Name: Monterey Conference Center	Date Prepared: 9/16/2015

A. OUTDOOR LIGHTING SCHEDULE and FIELD INSPECTION ENERGY CHECKLIST

Luminaire Schedule		Installed Watts					Location	Cutoff	Field Inspector	
A	B	C	D		E	F	G	H	I	
Name or Item Tag	Complete Luminaire Description	Watts per Luminaire	How wattage was determined: CEC Default from NA8	How wattage was determined: According to §130.0(c)	Number of Luminaires	Total Installed Watts: (C x E)	Primary Function area in which these luminaires are installed	BUG Rating	Pass	Fail
FX6	FX6	10.8	☐	☑	51	551	Pedestrian Hardscape		☐	☐
FX13	FX13	32.9	☐	☑	4	132	Pedestrian Hardscape		☐	☐
FX14	FX14	20.0	☐	☑	13	260	Pedestrian Hardscape		☐	☐
FX17	FX17	70.0	☐	☑	2	140	Pedestrian Hardscape		☐	☐
FX1	FX1	14.0	☐	☑	26	364	Building Facade		☐	☐
FX8	FX8	10.0	☐	☑	38	380	Building Facade		☐	☐
FX1	FX1	14.0	☐	☑	6	84	Pedestrian Hardscape		☐	☐
FX10	FX10	4.5	☐	☑	90	405	Pedestrian Hardscape		☐	☐
FX11	FX11	20.0	☐	☑	12	240	Building Facade		☐	☐
FX11	FX11	20.0	☐	☑	3	60	Pedestrian Hardscape		☐	☐
FX5	FX5	10.0	☐	☑	27	270	Pedestrian Hardscape		☐	☐
FX12	FX12	10.0	☐	☑	52	520	Building Facade		☐	☐
B5	B5	35.0	☐	☑	9	315	Pedestrian Hardscape		☐	☐
FX9	FX9	18.0	☐	☑	2	36	Pedestrian Hardscape		☐	☐
FX1	FX1	14.0	☐	☑	7	98	Other Entrance/Exit		☐	☐
FX2	FX2	14.0	☐	☑	7	98	Other Entrance/Exit		☐	☐
FX5	FX5	10.0	☐	☑	56	560	Other Entrance/Exit		☐	☐
FX6	FX6	10.8	☐	☑	3	32	Other Entrance/Exit		☐	☐
FX7	FX7	31.0	☐	☑	2	62	Other Entrance/Exit		☐	☐
		INSTALLED WATTS PAGE TOTAL:				4,607	Enter sum total of all pages (**Sum Total INSTALLED** Outdoor lighting wattage) into NRCC-LTO-01-E; Page 1		4,950	

STATE OF CALIFORNIA
OUTDOOR LIGHTING
CEC-NRCC-LTO-01-E (Revised 09/14) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-01-E
Outdoor Lighting	(Page 3 of 4)
Project Name: Monterey Conference Center	Date Prepared: 9/16/2015

A. OUTDOOR LIGHTING SCHEDULE and FIELD INSPECTION ENERGY CHECKLIST

Luminaire Schedule		Installed Watts					Location	Cutoff	Field Inspector	
A	B	C	D		E	F	G	H	I	
Name or Item Tag	Complete Luminaire Description	Watts per Luminaire	How wattage was determined: CEC Default from NA8	How wattage was determined: According to §130.0(c)	Number of Luminaires	Total Installed Watts: (C x E)	Primary Function area in which these luminaires are installed	BUG Rating	Pass	Fail
FX11	FX11	20.0	☐	☑	2	40	Other Entrance/Exit		☐	☐
FX13	FX13	32.9	☐	☑	8	263	Other Entrance/Exit		☐	☐
FX14	FX14	20.0	☐	☑	2	40	Other Entrance/Exit		☐	☐
			☐	☐					☐	☐
			☐	☐					☐	☐
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		INSTALLED WATTS PAGE TOTAL:				343	Enter sum total of all pages (**Sum Total INSTALLED** Outdoor lighting wattage) into NRCC-LTO-01-E; Page 1		4,950	

STATE OF CALIFORNIA
OUTDOOR LIGHTING
CEC-NRCC-LTO-01-E (Revised 09/14) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-01-E
Outdoor Lighting	(Page 4 of 4)
Project Name: Monterey Conference Center	Date Prepared: 9/16/2015

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STATE OF CALIFORNIA
INDOOR LIGHTING POWER ALLOWANCE
CEC-NRCC-LTI-03-E (Revised 09/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-03-E
Certificate of Compliance - Indoor Lighting Power Allowance	(Page 4 of 4)
Project Name: Monterey Conference Center	Date Prepared: 9/16/2015

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Company: WSP	Date Signed:
Address: 405 Howard Street	License: E17287
City/State/Zip: San Francisco, CA 94105	Phone: 415 398 3833

STATE OF CALIFORNIA
OUTDOOR LIGHTING
CEC-NRCC-LTO-01-E (Revised 09/14) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-01-E
Outdoor Lighting	(Page 1 of 4)
Project Name: Monterey Conference Center	Date Prepared: 9/16/2015

Project Address: 1 Portola Plaza Monterey , CA 93940	Total Illuminated Hardscape Area: 9,418
General Information: Phase of Construction: ☐ New Construction ☐ Addition ☐ Alteration	
Outdoor Lighting Zone (OLZ): ☐ OLZ-1 ☐ OLZ-2 ☑ OLZ-3 ☐ OLZ-4	

I have confirmed with the AHJ which OLZ applies to this site. For default lighting zone designations, see Title 24 Part 6, §10-114.

LIGHTING COMPLIANCE DOCUMENTS (check box for each document included)

For detailed instructions on the use of this and all Energy Efficiency Standards compliance documents, refer to the Nonresidential Manual published by the California Energy Commission.

☑	NRCC-LTO-01-E	Certificate of Compliance
☑	NRCC-LTO-02-E	Outdoor Lighting Controls Certificate of Compliance
☑	NRCC-LTO-03-E	Outdoor Lighting Power Allowance Certificate of Compliance

Summary of Allowed Outdoor Lighting Power			Watts
1.	**Sum Total ALLOWED** Outdoor Lighting Wattage from NRCC-LTO-03-E, page 1	–	5,401
	Complies ONLY if **Installed ≤ Allowed**		▼
2.	**Sum Total INSTALLED** Outdoor lighting Wattage from NRCC-LTO-01-E, page 3		4,950

Declaration of Required Installation Certificates – Declare by checking all Installation Certificates that will be submitted. (Retain copies and verify forms are completed and signed.)

☑ NRCI-LTO-01-E - Must be submitted for all buildings	☐ Field Inspector
☑ NRCI-LTO-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.	☐ Field Inspector

Declaration of Required Certificates of Acceptance – Declare by checking all of the Certificates of Acceptance that will be submitted. (Retain copies and verify forms are completed and signed.)

☑ NRCA-LTO-02-A - Must be submitted for outdoor lighting controls.	☐ Field Inspector

STATE OF CALIFORNIA
OUTDOOR LIGHTING
CEC-NRCC-LTO-01-E (Revised 09/14) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-01-E
Outdoor Lighting	(Page 2 of 4)
Project Name: Monterey Conference Center	Date Prepared: 9/16/2015

Schedule of luminaires exempt from the outdoor lighting power requirements in §140.7

Name or Symbol	Description of exempt luminaire in accordance with the exemptions

Schedule of luminaires exempt from the cutoff requirements in §130.2(b)

Name or Symbol	Description of exempt luminaire in accordance with the exemptions

Schedule of luminaires exempt from the outdoor lighting control requirements in §130.2(c)

Name or Symbol	Description of exempt luminaire in accordance with the exemptions

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL

580 PACIFIC STREET, MONTEREY, CA 93940
TEL: (831) 646-5601

Architect:

SOM
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

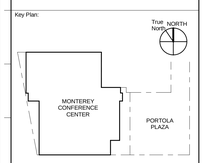
Consultants:

WSP
405 Howard St., Suite 500
San Francisco, CA 94105
(415) 398-3833
www.wspgroup.com/usa

Issued For:

No.	Description:	Date:
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015
2	ADDENDUM 2	18 SEPT 2015

Key Plan:



Seal & Signature:

Sheet Name:

ELECTRICAL
TITLE 24
CALCULATIONS

Project No.: Project Number
Drawn By: Author
Checked By: Checker
Scale: 12" = 1'-0"

Sheet No.: E0.12

Approved as to Form CAO RISK
Agreement #: Ag-5097 - Page 374 of 529

STATE OF CALIFORNIA
SIGN LIGHTING
CEC-ARCC-LTG-01-E (Revised 05/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTS-01-E
Sign Lighting	(Page 5 of 5)
Project Name: Monterey Conference Center	Date Prepared: 9/16/2015

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Amanda Brownlee	Documentation Author Signature:
Company: WSP	Signature Date: 9/16/2015
Address: 405 Howard Street, Suite 500	CEA Certification Identification (if applicable):
City/State/Zip: San Francisco, CA 94105	Phone: 415-398-3833

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Amanda Brownlee	Responsible Designer Signature:
Company: WSP	Date Signed:
Address: 405 Howard Street	License: E17287
City/State/Zip: San Francisco, CA 94105	Phone: 415 398 3833

STATE OF CALIFORNIA
SIGN LIGHTING
CEC-ARCC-LTG-01-E (Revised 05/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTS-01-E
Sign Lighting	(Page 2 of 5)
Project Name: Monterey Conference Center	Date Prepared: 9/16/2015

1b. Mandatory Sign Lighting Controls

If the person signing the Certificate of Compliance Declaration Statement on this NRCC-LTS-01-E is responsible for complying with the sign lighting control requirements, that person shall answer all of the following questions:

If there are construction documents, indicate where on the building plans the mandatory measures (sign lighting control) note block can be located:

		Y	N	NA
1	**§130.3(a)1. All indoor sign lighting** is controlled with an automatic time-switch control or astronomical time-switch control.	☐	☐	☒
2	**§130.3(a)2A. All outdoor sign lighting** is controlled with a photocontrol in addition to an automatic time-switch control, or an astronomical time-switch control.	☒	☐	☐
	EXCEPTION to Section 130.3(a)2A: Outdoor signs in tunnels, and signs in large permanently covered outdoor areas that are intended to be continuously lit 24 hours per day and 365 days per year.	☐		☒
3	**§130.3(a)2B. All outdoor sign lighting** that is ON both day and night is controlled with a dimmer that provides the ability to automatically reduce sign lighting power by a minimum of 65 percent during nighttime hours. Signs that are illuminated at night and for more than 1 hour during daylight hours shall be considered ON both day and night.	☒	☐	☐
	EXCEPTION to Section 130.3(a)2B: Outdoor signs in tunnels and large covered areas that are intended to be illuminated both day and night.	☐		☒
4	**§130.3(a)3. Demand Responsive Electronic Message Center Control**. An Electronic Message Center (EMC) having a new connected lighting power load greater than 15 kW has a control installed that is capable of reducing the lighting power by a minimum of 80 percent when receiving a demand response signal.	☐	☐	☒
	EXCEPTION to Section 130.3(a)3: Lighting for EMCs that is not permitted by a health or life safety statute, ordinance, or regulation to be reduced by 30 percent.	☐		☒

Field Inspector Notes:

STATE OF CALIFORNIA
SIGN LIGHTING
CEC-ARCC-LTG-01-E (Revised 05/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTS-01-E
Sign Lighting	(Page 3 of 5)
Project Name: Monterey Conference Center	Date Prepared: 9/16/2015

2. Maximum Allowed Lighting Power Method of Compliance
Certificate of Compliance and Field Inspection Energy Checklist

Complete this part if there are signs using the maximum allowed lighting power method of compliance. (Complete part 3 of this Certificate of Compliance if there are signs using the Specific lighting sources method of compliance)

A	B	C	D	E	F	G	H	I	J
Symbol or Code	Description of the Sign	OPTIONAL – Energy Verified Label (see instructions below)	Allotted Watts: Sign Area (ft²)	Allotted Watts: Normally (1) or Internally (2) Illuminated	Allotted Watts: Allowed (*2) (1 – 12 W/ft²) (2 – 20 W/ft²)	Allotted Watts: Allowed Watts (D x E)	Design Watts: Total installed watts for sign	Complies Y/N: Complies if I ≤ G	Filled Inspector Check this sign complies
		✓							✓
		☐							☐
		☐							☐
		☐							☐
		☐							☐
		☐							☐
		☐							☐
		☐							☐
		☐							☐
		☐							☐
		☐							☐

A	Symbol or code used on the plans (when plans are required) and other documents.
B	A description of the sign, or location of sign on the building; and the location of sign on construction documents.
C	OPTIONAL - Check this box only if this sign has a permanent, pre-printed, factory-installed, ENERGY VERIFIED label, confirming that the sign complies with the Section 140.8 of the California 2013 Title 24, Part 6 Standards, using the Maximum Allowed Lighting Power method of compliance. The only labels that will be recognized for this purpose are ENERGY VERIFIED Certification Marks authorized by Underwriters Laboratories (UL) or other Product Certification Body accredited to ISO/IEC Guide 65 by the American National Standards Institute in accordance with ISO/IEC 17011. Surveillance by the Accredited Certification Body shall be an ongoing annual inspection program carried out by a Type A inspection body in accordance with ISO/IEC 17020. For signs with such an ENERGY VERIFIED label, columns "D" through "I" are not required to be filled out. Note: Using an ENERGY VERIFIED label is an optional method to validate compliance. An ENERGY VERIFIED label is not needed for compliance.
D	The sign area in square feet.
E	List "2" if the sign is internally illuminated. List "1" if the sign is externally illuminated.
F	Allowed watts per square foot. Enter 12 if the sign is listed as "1" in column E. Enter 2.3 if sign is listed as "2" in column E.
G	Multiply the square footage in column D times the allowed Lighting Power Density (LPD = watts) in column F.
H	Show the total installed watts in the sign, as determined according to the applicable provisions of §130(c).
I	Enter 'Y' if the number in column H is less than or equal to the number in column G. Otherwise, the sign does not comply.
J	This page doubles as a field inspection checklist.

Field Inspector Notes:

STATE OF CALIFORNIA
SIGN LIGHTING
CEC-ARCC-LTG-01-E (Revised 05/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTS-01-E
Sign Lighting	(Page 4 of 5)
Project Name: Monterey Conference Center	Date Prepared: 9/16/2015

3. Specific Lighting Source Method of Compliance
Certificate of Compliance and Field Inspection Energy Checklist

Complete this part if there are signs using the Specific lighting source method of compliance. (Complete part 2 of this Certificate of Compliance if there are signs using the maximum allowed lighting power method of compliance)

A	B	C	D	E
Symbol or Code	Description	**OPTIONAL** ENERGY VERIFIED label (see instructions below)	Specific light source used for compliance. Shall include only lighting technologies listed below. List all that apply	Field Inspector Check that Sign Complies ✓
FX3	MAIN ENTRANCE SIGN	☐	7	☐
FX3	SOUTH SIGN	☐	7	☐
FX3	WEST SIGN	☐	7	☐
		☐		☐
		☐		☐

A		Symbol or code used on the plans (when plans are required) and other documents.
B		A narrative description of the sign, or location of sign on the building; and the location of sign on construction documents.
C		OPTIONAL - Check this box only if this sign has a permanent, pre-printed, factory installed ENERGY VERIFIED label, confirming that this sign complies with the Section 140.8 of the California 2013 Title 24, Part 6 Standards, using the Specific Lighting Source Method of Compliance. The only labels that will be recognized for this purpose are ENERGY VERIFIED Certification Marks authorized by Underwriters Laboratories (UL) or other Product Certification Body accredited to ISO/IEC Guide 65 by the American National Standards Institute. In accordance with ISO/IEC 17011, Surveillance by the Accredited Certification Body shall be an ongoing annual inspection program carried out by a Type A inspection body in accordance with ISO/IEC 17020. For signs with such an ENERGY VERIFIED label, column "D" is not required to be filled out. Note: Using an ENERGY VERIFIED label is an optional method to validate compliance. An ENERGY VERIFIED label is not needed for compliance.
D		Specific Light Source Compliance Method. The sign(s) identified above use only the following lighting technologies: List all applicable numbers (1 through 9) that apply in column D above for each row.
	1	High pressure sodium lamps
	2	Metal halide lamps that are pulse start or ceramic served by a ballast that has a minimum efficiency of 88 percent or greater. Ballast efficiency is the measured output wattage to the lamp divided by the measured operating input wattage when tested according to ANSI C82.6-2005.
	3	Metal halide lamps that are pulse start that are 320 watts or smaller, are not 250 watt or 175 watt lamps, and are served by a ballast that has a minimum efficiency of 80 percent. Ballast efficiency is the measured output wattage to the lamp divided by the measured operating input wattage when tested according to ANSI C82.6-2005.
	4	Neon or cold cathode lamps with transformer or power supply efficiency greater than or equal to a minimum efficiency of 75 percent when the transformer or power supply rated output current is less than 50 mA. The ratio of the output wattage to the input wattage is at 100 percent tubing load.
	5	Neon or cold cathode lamps with transformer or power supply efficiency greater than or equal to a minimum efficiency of 68 percent when the transformer or power supply rated output current is 50 mA or greater. The ratio of the output wattage to the input wattage is at 100 percent tubing load.
	6	Fluorescent lighting systems meeting one of the following requirements: A. Use only lamps with a minimum color rendering index (CRI) of 80; or B. Use only electronic ballasts with a fundamental output frequency not less than 20 kHz.
	7	Light emitting diodes (LEDs) with a power supply having an efficiency of 80 percent or greater.
	8	Single voltage external power supplies that are designed to convert 120 volt AC input into lower voltage DC or AC output, and have a nameplate output power less than or equal to 250 watts, shall comply with the applicable requirements of the Appliance Efficiency Regulations (Title 20).
	9	Compact fluorescent lamps that do not contain a medium screw base sockets (E24/E26).
E		This page doubles as a field inspection checklist.

Field Inspector Notes:

STATE OF CALIFORNIA
OUTDOOR LIGHTING POWER ALLOWANCES
CEC-ARCC-LTG-03-E (Revised 05/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-03-E
Outdoor Lighting Power Allowances	(Page 3 of 4)
Project Name: Monterey Conference Center	Date Prepared: 9/16/2015

C-3. WATTAGE ALLOWANCE PER SQUARE FOOT OF HARDSCAPE AREA (Ornamental Lighting) – Table 140.7-B

☐ Allowance for the total site illuminated hardscape area. Luminaires qualifying for this allowance shall be rated for 100 watts or less as determined in accordance with Section 130.0(c), and shall be post-top luminaires, lanterns, pendant luminaires, or chandeliers.

☐ If more than one luminaire type is used per location, use multiple rows for that location

A	B	C	D	E	F	G	H	I	J
	ALLOTTED WATTS				DESIGN WATTS				
Name of area for which ornamental allowance is claimed	Square feet of hardscape	Wattage Allowance per square foot	Allotted Watts (B x C)	Luminaire Code or Symbol	Luminaire Description	Luminaire Quantity	Watts per luminaire	Design Watts (G x H)	Allowed Watts (smaller of D or I)
					Sum total allowance for ornamental lighting on the site:				0

C-4. WATTAGE ALLOWANCE PER SQUARE FOOT OF SPECIFIC AREA - Table 140.7-B

☐ Allowances for Building Facades; Outdoor Sales Lots; Vehicle Service Station Hardscape; Vehicle Service Station Canopies; Sales Canopies; Non-sales Canopies; Guard Stations; Student Pick-up/Drop-off zone; Outdoor Dining; Special Security Lighting for Retail Parking and Pedestrian Hardscape.

☐ If more than one luminaire type is used per location, use multiple rows for that location

A	B	C	D	E	F	G	H	I	J
	ALLOTTED WATTS				DESIGN WATTS				
Name of Location for which allowance is claimed	Illuminated Area of Application	Wattage Allowance per square foot	Allotted Watts (B x C)	Luminaire Code or Symbol	Luminaire Description	Luminaire Quantity	Watts per luminaire	Design Watts (G x H)	Allowed Watts (smaller of D or I)
EAST FACADE	1,873	0.350	656	FX1	FX1	19	14.0	266	646
				FX8	FX8	38	10.0	380	
SOUTH FACADE	2,015	0.350	705	FX1	FX1	7	14.0	98	338
				FX11	FX11	12	20.0	240	
MURAL FACADE	1,400	0.350	490	FX12	FX12	52	10.0	520	490
					Sum total allowance for specific area on the site:				1,474

STATE OF CALIFORNIA
OUTDOOR LIGHTING POWER ALLOWANCES
CEC-ARCC-LTG-03-E (Revised 05/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-03-E
Outdoor Lighting Power Allowances	(Page 4 of 4)
Project Name: Monterey Conference Center	Date Prepared: 9/16/2015

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Amanda Brownlee	Documentation Author Signature:
Company: WSP	Signature Date: 9/16/2015
Address: 405 Howard Street, Suite 500	CEA Certification Identification (if applicable):
City/State/Zip: San Francisco, CA 94105	Phone: 415-398-3833

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Amanda Brownlee	Responsible Designer Signature:
Company: WSP	Date Signed:
Address: 405 Howard Street	License: E17287
City/State/Zip: San Francisco, CA 94105	Phone: 415 398 3833

STATE OF CALIFORNIA
SIGN LIGHTING
CEC-ARCC-LTG-01-E (Revised 05/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTS-01-E
Sign Lighting	(Page 1 of 5)
Project Name: Monterey Conference Center	Date Prepared: 9/16/2015

Project Address:
1 Portola Plaza Monterey , CA 93940

Location of Sign	☒ Outdoor Signs	☐ Indoor Signs
Phase of Sign Construction	☐ New Signs	☐ Sign Alterations
Type of Lighting Control	☐ New Lighting Controls	☐ Replaced Lighting Controls ☐ Not installing Lighting Controls

This Certificate of Compliance includes the following components (check all that apply):
☒ Mandatory Measures (Lighting Controls) ☐ Maximum Allowed Lighting Power ☐ Specific Lighting Sources

1. Mandatory Sign Lighting Controls

NOTES:

1. *The same responsible person may install both the sign lighting power and the sign lighting controls, or a different responsible person may install the sign lighting controls than the responsible person installing the sign lighting power.*
2. *The Mandatory Measures (sign lighting controls) are required for compliance with the sign lighting Standards. If the person responsible for installing the sign lighting power is not also responsible for the sign lighting controls, then the owner of the sign, general contractor, or architect shall be responsible to have the sign lighting controls installed.*
3. *If more than one person has responsibility for compliance, each responsible person shall prepare and sign a Certificate of Compliance and an Installation Certificate applicable to the portion of construction for which they are responsible; alternatively, the person with chief responsibility for construction shall prepare and sign the Certificate of Compliance Declaration Statement for the entire construction.*

1a. Statements of Responsibility: Any person signing the Certificate of Compliance Declaration Statement on this NRCC-LTS-01-E shall complete Part 1a. Check Yes or No for all of the following statements:

1	I have responsibility for installing the sign lighting controls	☐ Yes, complete parts 1a and 1b of this form ☐ No, complete part 1a of this form
2	There are no existing sign lighting controls and I will be installing compliant sign lighting controls	☐ Yes ☐ No
3	There are no existing sign lighting controls and someone else will be responsible to install compliant sign lighting controls	☐ Yes ☐ No
4	There are existing sign lighting controls that do not comply with the applicable provision of §110.9 and §130.3 and I will be installing compliant sign lighting controls	☐ Yes ☐ No
5	There are existing sign lighting controls that do not comply with the applicable provision of §110.9 and §130.3 and someone else will be responsible to install compliant sign lighting controls	☐ Yes ☐ No

STATE OF CALIFORNIA
OUTDOOR LIGHTING POWER ALLOWANCES
CEC-ARCC-LTG-03-E (Revised 05/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-03-E
Outdoor Lighting Power Allowances	(Page 1 of 4)
Project Name: Monterey Conference Center	Date Prepared: 9/16/2015

A. OUTDOOR LIGHTING POWER ALLOWANCE SUMMARY

1. General Hardscape Lighting Power Allowance (Site Total from Section B of NRCC-LTO-03-E)		1.	2,823
2. Additional Specific "use it or lose it" Lighting Power Allowances listed in each of these cells shall be identical to total allowed watts determined in Section C-1 to C-4 of NRCC-LTO-03-E.			
PER APPLICATION from Section C-1	PER UNIT LENGTH (SALES FRONTAGE) from Section C-2	PER HARDSCAPE AREA (ORNAMENTAL LIGHTING) from Section C-3	PER SPECIFIC AREA from Section C-4.		
1,194 +	0 +	0 +	1,474 =	2.	2,668
3. **Sum Total ALLOWED** Outdoor Lighting Wattage (add rows 1 and 2)				3.	5,491

B. GENERAL HARDSCAPE LIGHTING POWER ALLOWANCE FROM TABLE 140.7-A

	Area Wattage Allowance (AWA)			Linear Wattage Allowance (LWA)			Initial Wattage Allowance (IWA)	Total General Hardscape Lighting Allowance
A	B	C	D	E	F	G	H	I
Name of area	Illuminated Hardscape Area	AWA Per Square Foot	AWA (B x C)	Perimeter Length of General Hardscape	LPA per Linear Foot	LWA (E x F)	IWA (Watts)	D + G + H
NORTH HARDSCAPE	1,469	0.090	132	422	0.600	253	770	1,155
EAST TERRACE	1,039	0.090	148	158	0.600	95	0	242
SOUTH HARDSCAPE-MEZ	1,063	0.090	96	361	0.600	217	0	312
SOUTH HARDSCAPE-LEV	2,707	0.090	244	567	0.600	340	0	584
WEST HARDSCAPE	1,478	0.090	133	253	0.600	152	0	285
ROOF HARDSCAPE	960	0.090	86	208	0.600	125	0	211
SOUTHEAST STAIRS	100	0.090	9	41	0.600	25	0	34
							TOTAL	2,823

STATE OF CALIFORNIA
OUTDOOR LIGHTING POWER ALLOWANCES
CEC-ARCC-LTG-03-E (Revised 05/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-03-E
Outdoor Lighting Power Allowances	(Page 2 of 4)
Project Name: Monterey Conference Center	Date Prepared: 9/16/2015

C. ADDITIONAL "USE IT OR LOSE IT" OUTDOOR LIGHTING POWER ALLOWANCES FOR SPECIFIC APPLICATIONS

☐ The additional specific outdoor lighting power allowance shall be the smaller of the allowed lighting power or the actual lighting power used.

☐ Use Outdoor Lighting Zone (OLZ) that is documented on page 1 of NRCC-LTO-01-E to calculate the specific wattage allowances.

C-1. WATTAGE ALLOWANCE PER APPLICATION – Table 140.7-B

☐ Available only for qualifying locations, which include Building Entrances or Exits; Primary Entrances to Senior Care Facilities, Police Stations, Hospitals, Fire Stations, and Emergency Vehicle Facilities; Drive Up Windows; Vehicle Service Station Uncovered Fuel Dispenser

☐ If more than one luminaire type is used per location, use multiple rows for that location

A	B	C	D	E	F	G	H	I	J
					DESIGN WATTS				
Name of Location for which allowance is claimed	Number of qualifying locations	Wattage Allowance per qualifying location	Allotted Watts (B x C)	Luminaire Code or Symbol	Luminaire Description	Luminaire Quantity	Watts per luminaire	Design Watts (G x H)	Allowed Watts (smaller of D or I)
ENTRANCES/EXITS	22	90	1,980	FX1	FX1	7	14.0	98	1,194
				FX2	FX2	7	14.0	98	
				FX5	FX5	56	10.0	560	
				FX6	FX6	3	10.8	32	
				FX7	FX7	2	31.0	62	
						Sum total allowance per application on this site			1,194

C-2. WATTAGE ALLOWANCE PER UNIT LENGTH (Sales Frontage) from Table 140.7-B

☐ If more than one luminaire type is used per location, use multiple rows for that location

A	B	C	D	E	F	G	H	I	J
	ALLOTTED WATTS					DESIGN WATTS			
Name of Location for which allowance is claimed	Linear feet of Sales Frontage	Wattage Allowance per linear foot	Allotted Watts (B x C)	Luminaire Code or Symbol	Luminaire Description	Luminaire Quantity	Watts per luminaire	Design Watts (G x H)	Allowed Watts (smaller of D or I)
						Sum total allowance for sales frontage on the site:			0

STATE OF CALIFORNIA
OUTDOOR LIGHTING POWER ALLOWANCES
CEC-ARCC-LTG-03-E (Revised 05/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-03-E
Outdoor Lighting Power Allowances	(Page 2 of 4)
Project Name: Monterey Conference Center	Date Prepared: 9/16/2015

C. ADDITIONAL "USE IT OR LOSE IT" OUTDOOR LIGHTING POWER ALLOWANCES FOR SPECIFIC APPLICATIONS

☐ The additional specific outdoor lighting power allowance shall be the smaller of the allowed lighting power or the actual lighting power used.

☐ Use Outdoor Lighting Zone (OLZ) that is documented on page 1 of NRCC-LTO-01-E to calculate the specific wattage allowances.

C-1. WATTAGE ALLOWANCE PER APPLICATION – Table 140.7-B

☐ Available only for qualifying locations, which include Building Entrances or Exits; Primary Entrances to Senior Care Facilities, Police Stations, Hospitals, Fire Stations, and Emergency Vehicle Facilities; Drive Up Windows; Vehicle Service Station Uncovered Fuel Dispenser

☐ If more than one luminaire type is used per location, use multiple rows for that location

A	B	C	D	E	F	G	H	I	J
					DESIGN WATTS				
Name of Location for which allowance is claimed	Number of qualifying locations	Wattage Allowance per qualifying location	Allotted Watts (B x C)	Luminaire Code or Symbol	Luminaire Description	Luminaire Quantity	Watts per luminaire	Design Watts (G x H)	Allowed Watts (smaller of D or I)
				FX11	FX11	2	20.0	40	
				FX13	FX13	8	32.9	263	
				FX14	FX14	2	20.0	40	
						Sum total allowance per application on this site			1,194

C-2. WATTAGE ALLOWANCE PER UNIT LENGTH (Sales Frontage) from Table 140.7-B

☐ If more than one luminaire type is used per location, use multiple rows for that location

A	B	C	D	E	F	G	H	I	J
	ALLOTTED WATTS					DESIGN WATTS			
Name of Location for which allowance is claimed	Linear feet of Sales Frontage	Wattage Allowance per linear foot	Allotted Watts (B x C)	Luminaire Code or Symbol	Luminaire Description	Luminaire Quantity	Watts per luminaire	Design Watts (G x H)	Allowed Watts (smaller of D or I)
						Sum total allowance for sales frontage on the site:			0

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL

580 PACIFIC STREET, MONTEREY, CA 93940
TEL: (831) 646-5601

Architect:
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SAN FRANCISCO, CA 94111

Consultants:
WSP
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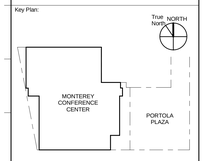
San Francisco, CA 94105
(415) 398-3833
www.wspgroup.com/usa

Issued For:

No.	Description:	Date:
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015
2	ADDENDUM 2	18 SEPT 2015

Key Plan:



Seal & Signature:

Sheet Name:

ELECTRICAL
TITLE 24
CALCULATIONS

Project No.: Project Number
Drawn By: Author
Checked By: Checker
Scale: 12" = 1'-0"
Sheet No.: E0.13

STATE OF CALIFORNIA
OUTDOOR LIGHTING CONTROLS
CEC-NRCC-LTO-02-E (Revised 05/15) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-02-E
Outdoor Lighting Controls	(Page 3 of 3)
Project Name: Monterey Conference Center - Portola Plaza	Date Prepared: 9/15/2015

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Amanda Brownlee	Documentation Author Signature:
Company: WSP	Signature Date: 9/15/2015
Address: 405 Howard Street, Suite 500	CEA Certification Identification (if applicable):
City/State/Zip: San Francisco, CA 94105	Phone: 415-398-3833

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Amanda Brownlee	Responsible Designer Signature:
Company: WSP	Date Signed:
Address: 405 Howard Street	License:
City/State/Zip: San Francisco, CA 94105	Phone: 415 398 3833

STATE OF CALIFORNIA
OUTDOOR LIGHTING POWER ALLOWANCES
CEC-NRCC-LTO-03-E (Revised 05/15) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-03-E
Outdoor Lighting Power Allowances	(Page 1 of 4)
Project Name: Monterey Conference Center - Portola Plaza	Date Prepared: 9/15/2015

A. OUTDOOR LIGHTING POWER ALLOWANCE SUMMARY

1. General Hardscape Lighting Power Allowance (Site Total from Section B of NRCC-LTO-03-E)	1.	4,155
2. Additional Specific "use it or lose it" Lighting Power Allowances listed in each of these cells shall be identical to total allowed watts determined in Section C-1 to C-4 of NRCC-LTO-03-E.		
PER APPLICATION from Section C-1: 0 + PER UNIT LENGTH (SALES FRONTAGE) from Section C-2: 0 + PER HARDSCAPE AREA (ORNAMENTAL LIGHTING) from Section C-3: 0 + PER SPECIFIC AREA from Section C-4: 0 =	2.	0
3. **Sum Total ALLOWED** Outdoor Lighting Wattage (add rows 1 and 2)	3.	4,155

B. GENERAL HARDSCAPE LIGHTING POWER ALLOWANCE FROM TABLE 140.7-A

Area Wattage Allowance (AWA)				Linear Wattage Allowance (LWA)			Initial Wattage Allowance (IWA)	Total General Hardscape Lighting Allowance
A	B	C	D	E	F	G	H	I
Name of area	Illuminated Hardscape Area	AWA Per Square Foot	AWA (B x C)	Perimeter Length of General Hardscape	LPA per Linear Foot	LWA (E x F)	IWA (Watts)	D + G + H
Plaza Pedestrian Hardscape	23,342	0.090	2,101	805	0.600	483	770	3,354
Plaza Automotive Hardscap	6,937	0.090	624	295	0.600	177	0	801
							TOTAL	4,155

STATE OF CALIFORNIA
OUTDOOR LIGHTING POWER ALLOWANCES
CEC-NRCC-LTO-03-E (Revised 05/15) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-03-E
Outdoor Lighting Power Allowances	(Page 2 of 4)
Project Name: Monterey Conference Center - Portola Plaza	Date Prepared: 9/15/2015

C. ADDITIONAL "USE IT OR LOSE IT" OUTDOOR LIGHTING POWER ALLOWANCES FOR SPECIFIC APPLICATIONS

☐ The additional specific outdoor lighting power allowance shall be the smaller of the allowed lighting power or the actual lighting power used.
☐ Use Outdoor Lighting Zone (OLZ) that is documented on page 1 of NRCC-LTO-01-E to calculate the specific wattage allowances.

C-1. WATTAGE ALLOWANCE PER APPLICATION – Table 140.7-B

☐ Available only for qualifying locations, which include Building Entrances or Exits; Primary Entrances to Senior Care Facilities, Police Stations, Hospitals, Fire Stations, and Emergency Vehicle Facilities; Drive Up Windows; Vehicle Service Station Uncovered Fuel Dispenser
☐ If more than one luminaire type is used per location, use multiple rows for that location

A	B	C	D	E	F	G	H	I	J
	ALLOTTED WATTS			DESIGN WATTS					
Name of Location for which allowance is claimed	Number of qualifying locations	Wattage Allowance per qualifying location	Allotted Watts (B x C)	Luminaire Code or Symbol	Luminaire Description	Luminaire Quantity	Watts per luminaire	Design Watts (G x H)	Allowed Watts (smaller of D or I)
								Sum total allowance per application on this site:	0

C-2. WATTAGE ALLOWANCE PER UNIT LENGTH (Sales Frontage) from Table 140.7-B

☐ If more than one luminaire type is used per location, use multiple rows for that location

A	B	C	D	E	F	G	H	I	J
	ALLOTTED WATTS			DESIGN WATTS					
Name of Location for which allowance is claimed	Linear feet of Sales Frontage	Wattage Allowance per linear foot	Allotted Watts (B x C)	Luminaire Code or Symbol	Luminaire Description	Luminaire Quantity	Watts per luminaire	Design Watts (G x H)	Allowed Watts (smaller of D or I)
								Sum total allowance for sales frontage on the site:	0

STATE OF CALIFORNIA
OUTDOOR LIGHTING
CEC-NRCC-LTO-01-E (Revised 06/14) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-01-E
Outdoor Lighting	(Page 4 of 4)
Project Name: Monterey Conference Center - Portola Plaza	Date Prepared: 9/15/2015

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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Company: WSP	Signature Date: 9/15/2015
Address: 405 Howard Street, Suite 500	CEA Certification Identification (if applicable):
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Responsible Designer Name: Amanda Brownlee	Responsible Designer Signature:
Company: WSP	Date Signed:
Address: 405 Howard Street	License: E17287
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STATE OF CALIFORNIA
OUTDOOR LIGHTING CONTROLS
CEC-NRCC-LTO-02-E (Revised 05/15) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-02-E
Outdoor Lighting Controls	(Page 1 of 3)
Project Name: Monterey Conference Center - Portola Plaza	Date Prepared: 9/15/2015

The NRCC-LTO-02-E shall be used to document all mandatory outdoor lighting controls that are applicable to the project.

Mandatory Outdoor Lighting Control Declaration Statements

Check all that apply:
- ☒ Lighting shall be controlled by self-contained lighting control devices which are certified to the Energy Commission according to the Title 20 Appliance Efficiency Regulations in accordance with §110.9(a).
- ☒ Lighting shall be controlled by a lighting control system or energy management control system in accordance with §110.9. An Installation Certificate shall be submitted in accordance with §130.4(b).
- ☑ All lighting controls and equipment shall comply with the applicable requirements in §110.9 and shall be installed in accordance with the manufacturer's instructions in accordance with §130.1
- ☒ Part-Night Outdoor Lighting Controls, as defined in Section 100.1(b), shall meet the requirements in Section 110.9(b)5
- ☐ All outdoor incandescent luminaires rated over 100 watts, determined in accordance with Section 130.0(c), shall be controlled by a motion sensor.
- ☐ All outdoor luminaires rated for use with lamps greater than 150 lamp watts, determined in accordance with Section 130.0(c), shall comply with Backlight, Uplight, and Glare (collectively referred to as "BUG") in accordance with Section 130.2(b)
- ☒ All installed outdoor lighting shall be controlled by a photocontrol or outdoor astronomical time-switch control in accordance with Section 130.2(c)1
- ☑ All installed outdoor lighting shall be circuited and independently controlled from other electrical loads by an automatic scheduling control in accordance with Section 130.2(c)2
- ☒ All installed outdoor lighting, where the bottom of the luminaire is mounted 24 feet or less above the ground, shall be controlled with automatic lighting controls in accordance with Section 130.2(c)3
- ☐ For Outdoor Sales Frontage, Outdoor Sales Lots, and Outdoor Sales Canopies lighting, an automatic lighting control in accordance with Section 130.2(c)4
- ☐ For Building Facade, Ornamental Hardscape and Outdoor Dining lighting, an automatic lighting control in accordance with Section 130.2(c)5
- ☑ Before an occupancy permit is granted for a newly constructed building or area, or a new lighting system serving a building, area, or site is operated for normal use, indoor lighting controls serving the building, area, or site shall be certified as meeting the Acceptance Requirements for Code Compliance in accordance with §130.4.(a). Outdoor lighting controls shall comply with the applicable requirements of Section 130.2(c) and Reference Nonresidential Appendix NA7.8

STATE OF CALIFORNIA
OUTDOOR LIGHTING CONTROLS
CEC-NRCC-LTO-02-E (Revised 05/15) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-02-E
Outdoor Lighting Controls	(Page 2 of 3)
Project Name: Monterey Conference Center - Portola Plaza	Date Prepared: 9/15/2015

MANDATORY OUTDOOR LIGHTING CONTROL SCHEDULE and FIELD INSPECTION CHECKLIST

Outdoor Lighting Control Schedule			Standards Complying With (✓ all that apply, or enter 'E' if Exempted)						✓ if Acceptance Test Required	Field Inspector	
A	B	C	D	E	F	G	H	I	N	O	
Location and Application of Luminaires being controlled	Type/ Description of Lighting Control (i.e. motion sensor, photocontrol, outdoor astronomical time-switch control, centralized time-based zone lighting control)	# of Units	§130.2(a)	§130.2(c)1	§130.2(c)2	§130.2(c)3	§130.2(c)4	§130.2(c)5		Pass	Fail
										☐	☐
										☐	☐
										☐	☐
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STATE OF CALIFORNIA
OUTDOOR LIGHTING
CEC-NRCC-LTO-01-E (Revised 05/15) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-01-E
Outdoor Lighting	(Page 1 of 4)
Project Name: Monterey Conference Center - Portola Plaza	Date Prepared: 9/15/2015

Project Address: 1 Portola Plaza Monterey , CA 93940	Total Illuminated Hardscape Area 30,279
General Information Phase of Construction: ☐ New Construction ☐ Addition ☐ Alteration	
Outdoor Lighting Zone (OLZ) ☐ OLZ-1 ☐ OLZ-2 ☑ OLZ-3 ☐ OLZ-4 I have confirmed with the AHJ which OLZ applies to this site. For default lighting zone designations, see Title 24 Part 6, §10-114	

LIGHTING COMPLIANCE DOCUMENTS (check box for each document included)

For detailed instructions on the use of this and all Energy Efficiency Standards compliance documents, refer to the Nonresidential Manual published by the California Energy Commission.

☑	NRCC-LTO-01-E	Certificate of Compliance
☑	NRCC-LTO-02-E	Outdoor Lighting Controls Certificate of Compliance
☑	NRCC-LTO-03-E	Outdoor Lighting Power Allowance Certificate of Compliance

Summary of Allowed Outdoor Lighting Power			Watts
1.	**Sum Total ALLOWED** Outdoor Lighting Wattage from NRCC-LTO-03-E, page 1	=	4,155
	Complies ONLY if **Installed ≤ Allowed**		↕
2.	**Sum Total INSTALLED** Outdoor lighting Wattage from NRCC-LTO-01-E, page 3		3,286

Declaration of Required Installation Certificates – Declare by checking all Installation Certificates that will be submitted. (Retain copies and verify forms are completed and signed.)	
☑ NRCI-LTO-01-E - Must be submitted for all buildings	☐ Field Inspector
☑ NRCI-LTO-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.	☐ Field Inspector
Declaration of Required Certificates of Acceptance – Declare by checking all of the Certificates of Acceptance that will be submitted. (Retain copies and verify forms are completed and signed.)	
☑ NRCA-LTO-02-A - Must be submitted for outdoor lighting controls.	☐ Field Inspector

STATE OF CALIFORNIA
OUTDOOR LIGHTING
CEC-NRCC-LTO-01-E (Revised 05/15) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-01-E
Outdoor Lighting	(Page 2 of 4)
Project Name: Monterey Conference Center - Portola Plaza	Date Prepared: 9/15/2015

Schedule of luminaires exempt from the outdoor lighting power requirements in §140.7

Name or Symbol	Description of exempt luminaire in accordance with the exemptions

Schedule of luminaires exempt from the cutoff requirements in §130.2(b)

Name or Symbol	Description of exempt luminaire in accordance with the exemptions

Schedule of luminaires exempt from the outdoor lighting control requirements in §130.2(c)

Name or Symbol	Description of exempt luminaire in accordance with the exemptions

STATE OF CALIFORNIA
OUTDOOR LIGHTING
CEC-NRCC-LTO-01-E (Revised 06/14) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-01-E
Outdoor Lighting	(Page 3 of 4)
Project Name: Monterey Conference Center - Portola Plaza	Date Prepared: 9/15/2015

A. OUTDOOR LIGHTING SCHEDULE and FIELD INSPECTION ENERGY CHECKLIST

Luminaire Schedule		Installed Watts					Location	Cutoff	Field Inspector	
A	B	C	D		E	F	G	H	I	
			How wattage was determined							
Name or Item Tag	Complete Luminaire Description	Watts per Luminaire	CEC Default from NA8	According to §130.0(c)	Number of Luminaires	Total Installed Watts in this area (C x E)	Primary Function area in which these luminaires are installed	BUG Rating	Pass	Fail
E1	E1	100.0	☐	☑	6	600	Pedestrian Hardscape		☐	☐
E2	E2	30.0	☐	☑	20	600	Pedestrian Hardscape		☐	☐
E4	E4	6.5	☐	☑	148	962	Pedestrian Hardscape		☐	☐
E6	E6	20.0	☐	☑	10	200	Pedestrian Hardscape		☐	☐
E6A	E6A	20.0	☐	☑	10	200	Pedestrian Hardscape		☐	☐
E7A	E7A	18.0	☐	☑	3	54	Pedestrian Hardscape		☐	☐
E3	E3	2.5	☐	☑	27	68	Automotive Hardscape		☐	☐
E5	E5	18.0	☐	☑	26	468	Landscaping		☐	☐
E7	E7	8.4	☐	☑	16	134	Landscaping		☐	☐
			☐	☐					☐	☐
			☐	☐					☐	☐
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			☐	☐					☐	☐
			☐	☐					☐	☐
			☐	☐					☐	☐
INSTALLED WATTS PAGE TOTAL:						3,286	Enter sum total of all pages (**Sum Total INSTALLED** Outdoor lighting wattage) into NRCC-LTO-01-E; Page 1		3,286	

MONTEREY CONFERENCE CENTER
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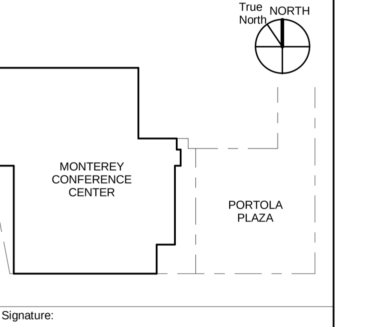
2	ADDENDUM 2	18 SEPT 2015

Key Plan:



Seal & Signature:

REGISTERED PROFESSIONAL ENGINEER
PAUL O. MCGRATH
No. M33880
MECHANICAL
STATE OF CALIFORNIA

Sheet Name:

ELECTRICAL
TITLE 24
CALCULATIONS

Project No.: Project Number	Sheet No.:
Drawn By: Author	E0.16
Checked By: Checker	2
Scale: 12" = 1'-0"	

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Agreement #: Ag-5097 - Page 374 … 329
Approved as to Form CAO RISK

STATE OF CALIFORNIA
OUTDOOR LIGHTING POWER ALLOWANCES
CEC-NRCC-LTO-03-E (Revised 05/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-03-E
Outdoor Lighting Power Allowances	(Page 3 of 4)
Project Name: Monterey Conference Center - Portola Plaza	Date Prepared: 9/15/2015

C-3. WATTAGE ALLOWANCE PER SQUARE FOOT OF HARDSCAPE AREA (Ornamental Lighting) – Table 140.7-B

☐ Allowance for the total site illuminated hardscape area. Luminaires qualifying for this allowance shall be rated for 100 watts or less as determined in accordance with Section 130.0(c), and shall be post-top luminaires, lanterns, pendant luminaires, or chandeliers.

☐ If more than one luminaire type is used per location, use multiple rows for that location.

A	B	C	D	E	F	G	H	I	J
	ALLOTTED WATTS			DESIGN WATTS					
Name of area for which ornamental allowance is claimed	Square feet of Hardscape	Wattage Allowance per square foot	Allotted Watts (B x C)	Luminaire Code or Symbol	Luminaire Description	Luminaire Quantity	Watts per luminaire	Design Watts (G x H)	Allowed Watts (smaller of D or I)
							Sum total allowance for ornamental lighting on the site:		0

C-4. WATTAGE ALLOWANCE PER SQUARE FOOT OF SPECIFIC AREA - Table 140.7-B

☐ Allowances for Building Facades; Outdoor Sales Lots; Vehicle Service Station Hardscape; Vehicle Service Station Canopies; Sales Canopies; Non-sales Canopies; Guard Stations; Student Pick-up/Drop-off zone; Outdoor Dining; Special Security Lighting for Retail Parking and Pedestrian Hardscape.

☐ If more than one luminaire type is used per location, use multiple rows for that location.

A	B	C	D	E	F	G	H	I	J
	ALLOTTED WATTS			DESIGN WATTS					
Name of Location for which allowance is claimed	Illuminated Area of Applications	Wattage Allowance per square foot	Allotted Watts (B x C)	Luminaire Code or Symbol	Luminaire Description	Luminaire Quantity	Watts per luminaire	Design Watts (G x H)	Allowed Watts (smaller of D or I)
							Sum total allowance for specific area on the site:		0

STATE OF CALIFORNIA
OUTDOOR LIGHTING POWER ALLOWANCES
CEC-NRCC-LTO-03-E (Revised 05/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-03-E
Outdoor Lighting Power Allowances	(Page 4 of 4)
Project Name: Monterey Conference Center - Portola Plaza	Date Prepared: 9/15/2015

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No.	Description:	Date:
2	ADDENDUM 2	18 SEPT 2015

Key Plan:

Seal & Signature:

REGISTERED PROFESSIONAL ENGINEER
PAUL O. MCGRATH
No. M31660
MECHANICAL
STATE OF CALIFORNIA

Sheet Name:

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TITLE 24
CALCULATIONS

Project No.: Project Number
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Checked By: Checker
Scale: 12" = 1'-0"

Sheet No.: E0.17

Approved as to Form CAO ROSC
Agreement #: Ag-5097 - Page 374 of 429
2/2/2015 1:11:33 PM

SHEET NOTES:

A. REMOVE EXSITING LIGHTING AND POWER DEVICES IN WALLS/ FLOORS/ CEILINGS TO BE DEMOLISHED, UON. REFER TO ARCHITECTURAL DRAWINGS FOR FULL DEMOLITION SCOPE.

1 B. ALL EQUIPMENT AND DEVICES SHOWN ON THIS SHEET ARE EXISTING TO REMAIN, UON. REFER TO CIVIL DRAWINGS FOR DEMOLITION EXTENT.

NUMBERED NOTES:

1. DE ANZA BALLROOM TO REMAIN IN FULL OPERATION THROUGHOUT RENOVATION. AREA SERVED BY PANELS AHD AND ALE. FIRE ALARM DEVICES TO BE REPLACED WITH NEW SPEAKERS/STROBES WITHIN THE SPACE. ALL OTHER EQUIPMENT TO REMAIN.
2. EXISTING FIRE ALARM REMOTE ANNUNCIATOR TO BE REPLACED WITH NEW IN NEW LOCATION APPROVED BY THE AUTHORITY HAVING JURISDICTION.
3. ALL DEVICES IN THIS AREA ARE TO BE REMOVED, UON.
4. REMOVE EXISTING FOUNTAIN, ASSOCIATED LIGHTING AND CONTROLS.
5. REMOVE TRELLIS LIGHTS AND RECEPTACLES.
6. REMOVE CONNECTIONS TO FOUNTAIN EQUIPMENT AND LIGHTING.

DE ANZA CONFERENCE ROOM 111 Not Enclosed

DE ANZA BALLROOM 110 Not Enclosed

SERRA BALLROOM WEST 108 8,985 SF

SERRA BALLROOM EAST 107 10,138 SF

STAIR 3

STAIR 5

STAGE LIGHTING CONTROL PANEL A (X)

(X) LIGHTING CONTROL PANEL LC3

(X) STAGE LIGHTING CONTROL PANEL

(X)FIRE DOOR

(E)DISPLAY CASE

EWC (X)ALC12

FOUNTAIN PUMP L

PROTECT IN PLACE (E) LIGHTING AND CONTROLS WITHIN ALVARADO MALL AREA DURING MAIN BUILDING CONSTRUCTION. PROVIDE TEMPORARY POWER AS REQUIRED. AS-BUILT INFORMATION NOT AVAILABLE.

PACIFIC ST.

DEL MONTE AVE.

DEL MONTE AVE.

GRAPHIC SCALE

1 LEVEL 1- POWER PLAN - DEMO
1/16" = 1'-0"

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL

580 PACIFIC STREET, MONTEREY, CA 93940
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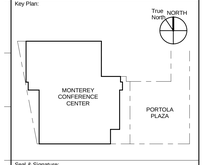
	60% PROJECT COMPLETION	15 MAY 2015
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015
1	ADDENDUM 1	11 SEPT 2015
2	ADDENDUM 2	18 SEPT 2015

Key Plan:



Seal & Signature:

REGISTERED PROFESSIONAL ENGINEER
AMANDA J. BISHOPRIC
No. E17287
ELECTRICAL
STATE OF CALIFORNIA

Sheet Name:

ELECTRICAL DEMOLITION PLAN - LEVEL 01

Project No.:	Sheet No.:
Project Number	ED2.01
Drawn By: Author	
Checked By: Checker	
Scale: 1/16" = 1'-0"	

Approved as to Form CAO RISK

2015.1.12.17 PM

SHEET NOTES:

A. PROVIDE CONDUIT WIRE FOR CIRCUITING AND SWITCHING SHOWN.

B. VERIFY EXACT LOCATION OF ALL DEVICES/FIXTURES WITH ARCHITECT PRIOR TO ROUGH-IN.

C. ALL WORK ON THIS SHEET IS NEW, UON.

D. CONNECT ALL 277V EMERGENCY LIGHTING TO PANEL ECHA, UON.

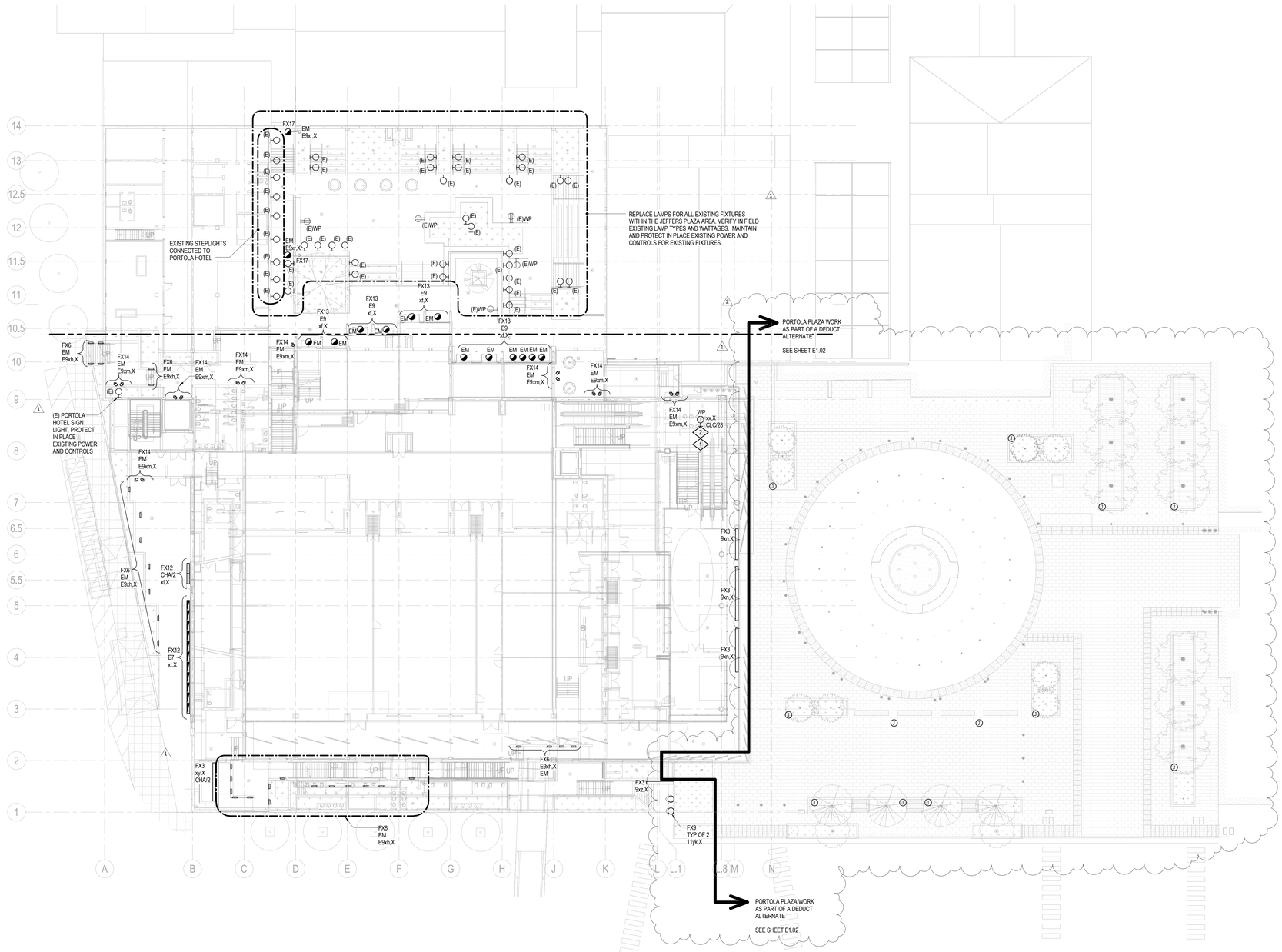
E. CONNECT ALL NORMAL POWER 277V LIGHTING TO PANEL AHB, UON.

F. CONDUIT ROUTES AND PULLBOX LOCATIONS SHOWN ARE APPROXIMATE. REFER TO CIVIL AND LANDSCAPE PLANS.

G. REFER TO ARCHITECTURAL LIGHTING SPECIFICATIONS FOR FIXTURE TYPES. CONNECT EACH TO WITH MINIMUM 2#10 + 1#10GND IN 1" CONDUIT, UON. HOMERUNS MAY BE COMBINED TO MINIMIZE CONDUIT RUNS AND PULLBOXES.

NUMBERED NOTES:

1. PORTOLA HOTEL SIGNAGE LIGHTING ON TOP OF ROOF. COORDINATE EXACT LOCATION WITH ARCHITECT.
2. CONNECTION TO SIGNAGE LIGHTING, CONTROL VIA TIMECLOCK/PHOTOCELL. POWER REQUIREMENTS TO BE CONFIRMED.



1 ELECTRICAL SITE PLAN
1/16" = 1'-0"

MONTEREY CONFERENCE CENTER
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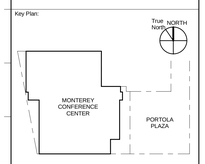
	30% SUBMITTAL	20 FEB 2015
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	PORTOLA PLAZA PERMIT SET	03 AUG 2015
	BID SET	26 AUG 2015
1	ADDENDUM 1	11 SEPT 2015
2	ADDENDUM 2	18 SEPT 2015

Key Plan:



Seal & Signature:

REGISTERED PROFESSIONAL ENGINEER
AMANDA J. BROWNLEE
No. E17287
ELECTRICAL
STATE OF CALIFORNIA

Sheet Name:

ELECTRICAL SITE PLAN

Project No.:	Sheet No.:
Project Number	E1.01
Drawn By: Author	
Checked By: Checker	
Scale: 1/16" = 1'-0"	

Approved as to Form
CAO RDM

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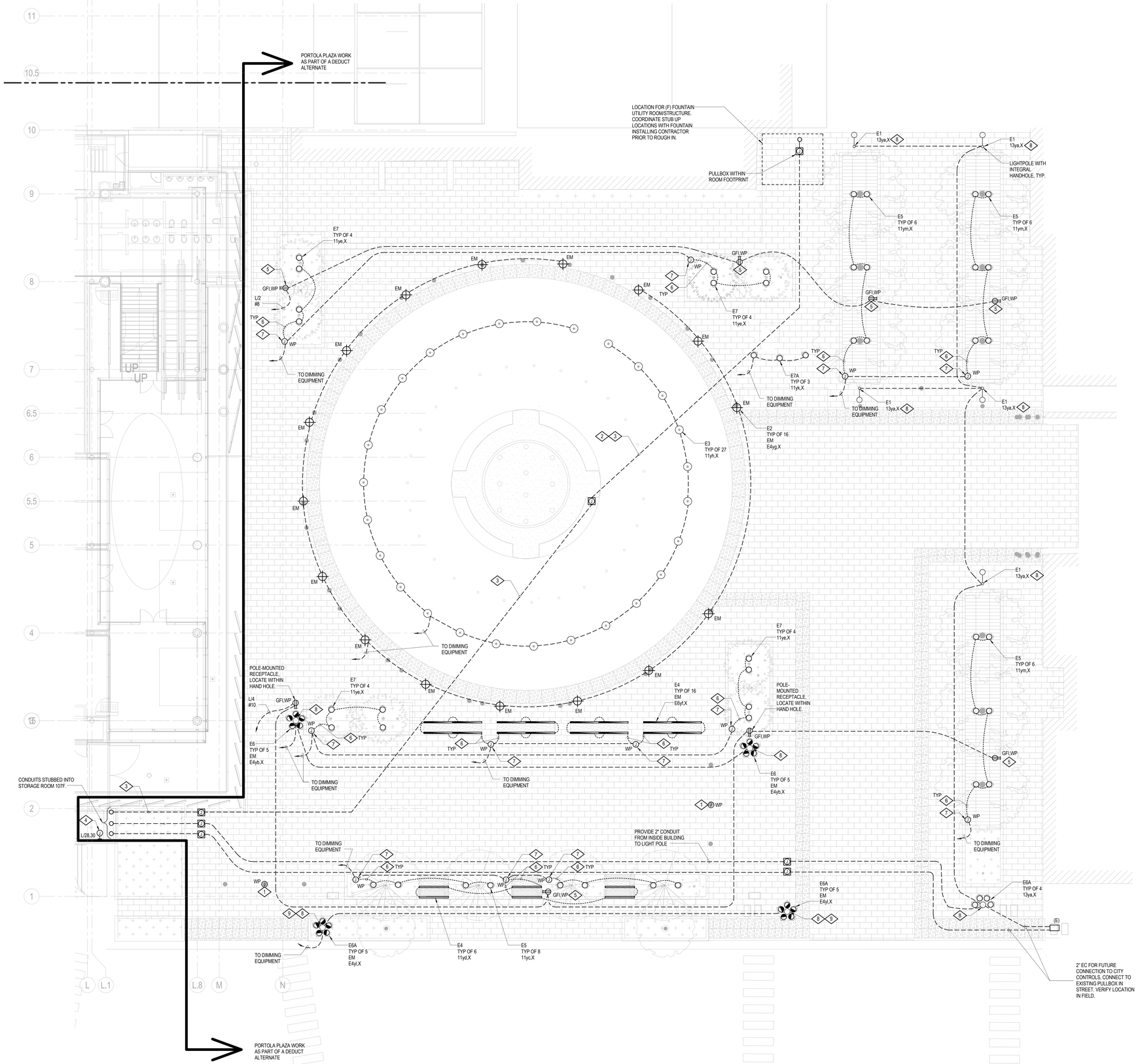

1 PORTOLA PLAZA ELECTRICAL PLAN
1/8" = 1'-0"

SHEET NOTES:

A. PROVIDE CONDUIT WIRE FOR CIRCUITING AND SWITCHING SHOWN.

B. VERIFY EXACT LOCATION OF ALL DEVICES/FIXTURES WITH ARCHITECT PRIOR TO ROUGH-IN.

C. ALL WORK ON THIS SHEET IS NEW, UON.

D. CONNECT ALL 277V EMERGENCY LIGHTING TO PANEL ECHA, UON .

E. CONNECT ALL NORMAL POWER 277V LIGHTING TO PANEL AHB, UON.

F. CONDUIT ROUTES AND PULLBOX LOCATIONS AND LANDSCAPE SHOWN ARE APPROXIMATE. REFER TO CIVIL PLANS.

G. REFER TO ARCHITECTURAL LIGHTING SPECIFICATIONS FOR FIXTURE TYPES. CONNECT EACH TO WITH MINIMUM 2#10 + 1#10GND IN 1" CONDUIT, UON. HOMERUNS MAY BE COMBINED TO MINIMIZE CONDUIT RUNS AND PULLBOXES.

H. MAINTAIN SEPARATE RACEWAYS AND BOXES FOR E1 FIXTURES TO ALLOW FOR FUTURE CONNECTION TO CITY POWER AND CONTROL SYSTEM.

J. ALL PULLBOXES/JUNCTION BOXES LOCATED FLUSH WITH GRADE SHALL HAVE CUSTOM UTILITY COVER AS SPECIFIED UNDER SECTION 05 50 10. COORDINATE IN-GRADE PULLBOX LOCATIONS WITH ARCHITECT PRIOR TO ROUGHIN.

NUMBERED NOTES:

1. LOCATION OF HYDRAULIC BOLLARD. VERIFY EXACT LOCATION PRIOR TO ROUGH IN. PROVIDE CONTROL WITHIN WIRING AND CONDUIT AS REQUIRED BY MANUFACTURER.
2. (2) 1.5" EC FOR (F) FOUNTAIN LIGHTING AND CONTROLS. VERIFY CONDUIT SIZE, QUANTITY AND STUB-UP LOCATION WITH INSTALLING CONTRACTOR PRIOR TO ROUGH IN.
3. (2) 4" EC FOR (F) FOUNTAIN EQUIPMENT. VERIFY CONDUIT SIZE, QUANTITY AND STUB-UP LOCATION WITH INSTALLING CONTRACTOR PRIOR TO ROUGH IN. MAINTAIN DEDICATED PATHWAY FOR FOUNTAIN EQUIPMENT ONLY.
4. CONNECTION TO AIR COMPRESSOR FOR PNEUMATIC BOLLARDS, LOCATED WITHIN STORAGE ROOM 107F. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH SYSTEM MANUFACTURER PRIOR TO ROUGH IN.
5. PROVIDE 2-1/4" DEEP IN-USE LOCKABLE COVER, THOMAS & BETTS RED DOT OR APPROVED EQUAL.
6. LOW-VOLTAGE WIRING ON SECONDARY SIDE OF TRANSFORMER/POWER SUPPLY. SIZE PER MANUFACTURER'S RECOMMENDATION AND TO LIMIT VOLTAGE DROP TO 3% ON THE BRANCH CIRCUIT PER NEC AND TITLE 24 REQUIREMENTS.
7. REMOTE DRIVER/TRANSFORMER(S) WITHIN IN-GRADE WEATHERPROOF HOUSING. REFER TO ARCHITECTURAL LIGHTING SPECIFICATION FOR MORE INFORMATION. COORDINATE WITH ARCHITECT FOR EXACT LOCATION PRIOR TO ROUGH-IN.
8. LIGHTPOLE SPECIFIED WITH HANDHOLE TO FACILITATE PULLING AND SPLICING OF CONDUCTORS.
9. FIXTURES MOUNTED ON CITY STANDARD LIGHTPOLE. PROVIDE SEPARATE RACEWAY WITHIN POLE TO E6A FIXTURES. COORDINATE INSTALLATION WITH LIGHTPOLE INSTALLING CONTRACTOR.

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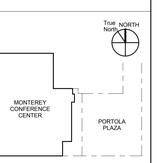
2	ADDENDUM 2	18 SEPT 2015

Key Plan:


Seal & Signature:
REGISTERED PROFESSIONAL ENGINEER
PAUL O. MCGRAW
No. M20980
MECHANICAL
STATE OF CALIFORNIA

Sheet Name:
ELECTRICAL SITE PLAN - PORTOLA PLAZA

Project No.:	Sheet No.:
Project Number	2
Drawn By: Author	E1.02
Checked By: Checker	
Scale: 1/8" = 1'-0"	

NUMBERED NOTES:

1. PROVIDE 120V CONNECTION TO POWER ASSIST DOOR.
2. EXISTING CONTROL PANEL FOR MOTORIZED PROJECTION SCREEN AND CURTAIN.
3. REMEDIATE EXISTING FLOOR BOXES WITH NEW COVERS AND DEVICES. CONFIRM FINISH WITH ARCHITECT.
4. CONNECTION TO MOTORIZED LIFT.
5. RECONNECT EXISTING DEVICE TO PANEL/CIRCUIT INDICATED.
6. CONNECT DOOR RELEASE MECHANISM TO SMOKE DETECTOR VIA FIRE ALARM SYSTEM.
7. CONNECTION TO IRRIGATION CONTROLLER. VERIFY EXACT LOCATION WITH IRRIGATION INSTALLER PRIOR TO ROUGH IN.

SHEET NOTES:

A. THE FIRE MANAGEMENT SYSTEM CONTRACT IS A PERFORMANCE-BASED CONTRACT. THE CONTRACTOR WILL DEVELOP A COMPLETE SET OF CODE-COMPLIANT AND FULLY COORDINATED CONSTRUCTION DOCUMENTS TO THE SATISFACTION OF THE STATE GOVERNING BODIES. THE FIRE ALARM SYSTEM MANUFACTURER SHALL PROVIDE ALL REQUIRED PERMITS AND APPROVALS. THE FIRE MANAGEMENT SYSTEM CONTRACTOR SHALL PROVIDE ALL DEVICES AND ACCESSORIES IN THE QUANTITIES AND LOCATIONS NECESSARY FOR A FULLY FUNCTIONAL AND CODE-COMPLIANT SYSTEM. THE CONTRACTOR SHALL FURNISH AND INSTALL ADDITIONAL DEVICES FOR THE FIRE ALARM AND VOICE EVACUATION SYSTEM TO MEET REQUIREMENTS OF THE LOCAL FIRE DEPARTMENT PLANS REVIEW OFFICE.

B. ALL EQUIPMENT ON SHEET IS NEW, UON.

C. PROVIDE CONDUIT AND WIRE FOR CIRCUITING AND SWITCHING SHOWN.

D. VERIFY EXACT LOCATION OF DEVICES WITH ARCHITECT PRIOR TO ROUGH IN.

E. REFER TO SPECIAL FLOOR AND WALL BOX SCHEDULE ON SHEET E0.02 FOR DETAILS ON SPECIAL RECEPTACLES, COMPANY SWITCHES AND FLOORBOXES.

CONNECT 120/208V NORMAL POWER EQUIPMENT IN THIS AREA TO ALD, UON.

CONNECT 277/480V NORMAL POWER EQUIPMENT IN THIS AREA TO AHC, UON.

CONNECT 120/208V NORMAL POWER EQUIPMENT IN THIS AREA TO ALB, UON.

CONNECT 277/480V NORMAL POWER EQUIPMENT IN THIS AREA TO AHA, UON.

1 / E2.01.2

MECHANICAL 110 · WEST VESTIBULE 113 · STAIR 3 · STAIR 5 · ELEVATOR 2 · CONFERENCE RM. LOBBY 102 · MEN'S TOILET 104A · VESTIBULE 104 · WOMEN'S TOILET 103A · VESTIBULE 103 · ELEVATOR 1 · NORTH DRESS RM 109C · SERRA BALLROOM WEST 108 · SERRA BALLROOM EAST 107 · MAIN LOBBY 101 · PLATFORM 109 · SOUTH DRESS RM 109A · MECH 101A · SERVICE TIBULE 106 · EAST HALL 107A · STORAGE 108F · MEP/E/IDF 107H · WOMEN'S TOILET 108C · MEN'S TOILET 108B · MEN'S TOILET 107B · WOMEN'S TOILET 107C · TELEPHONE & ELEC EQUIP 107G

(E)AMCC · CWP-1 AMCC · CWP-2 AMCC · (E)ALD/43 · (E)ALD/44 · (E)ALD/66 · C4 MSBH · (R) EXISTING 400A COMPANY SWITCH RELOCATED FROM STAGE. · (E)ALD/39 · (E)ALD/37 · (E)ALB/37 · (E)ALB/39 · (E)ALB/41 · (E)ALD/43 · (R)RELOCATE TO NEW WALL POSITION · (E)MOTORIZED PARTITION AHC/16,18,20 · (E)MOTORIZED PARTITION AHA 08A · (R)RELOCATE TO NEW WALL POSITION · (E)PASS THROUGH IN WALL FOR TEMPORARY CABLING · (E)BLA/25 · BLA/27 · (E)ALB/25 · (E)ALB/41 · (E)35 · (E)VACUUM AHA · CONNECT 120/208V NORMAL POWER EQUIPMENT IN THIS AREA TO BLA, UON. · EF-25 BLC · LOCATED IN ESCALATOR PIT · PEDESTAL MOUNTED DEVICES · PEDESTAL MOUNTED DEVICES · AHU-10 AHA · FARA · BMS · AELA/16 · MSB · MDP · BLC/16 · ACU-4 BLC · MSBL · EWC · ALB/33 · ALB/83 · L/S · TYP. · SIGN · KIOSK · GFI · WP · WP,GFI

12" X 12" PASS THROUGH IN WALL AT FLOOR LEVEL FOR TEMPORARY CABLING. REFER TO DETAIL 6/S6.00 FOR OPENINGS IN EXISTING WALLS.

12" X 12" PASS THROUGH IN WALL AT FLOOR LEVEL FOR TEMPORARY CABLING. REFER TO DETAIL 6/S6.00 FOR OPENINGS IN EXISTING WALLS.

CONNECT 120/208V NORMAL POWER EQUIPMENT IN THIS AREA TO ALD, UON.

CONNECT 277/480V NORMAL POWER EQUIPMENT IN THIS AREA TO AHC, UON.

CONNECT 120/208V NORMAL POWER EQUIPMENT IN THIS AREA TO ALB, UON.

CONNECT 277/480V NORMAL POWER EQUIPMENT IN THIS AREA TO AHA, UON.

1 LEVEL 1- POWER PLAN - SOUTH
1/8" = 1'-0"

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CITY HALL

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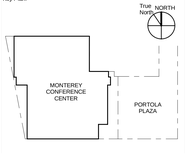
1	ADDENDUM 1	11 SEPT 2015
2	ADDENDUM 2	18 SEPT 2015

Key Plan:



Seal & Signature:

REGISTERED PROFESSIONAL ENGINEER · AMANDA J. BROWNLEE · No. E17287 · ELECTRICAL · STATE OF CALIFORNIA

Sheet Name:

ELECTRICAL - POWER PLAN - LEVEL 01 - SOUTH

Project No.: Project Number	Sheet No.: E2.01.1
Drawn By: Author	
Checked By: Checker	
Scale: 1/8" = 1'-0"	

Approved as to Form CAO RISK

NUMBERED NOTES:

1. DE ANZA BALLROOM TO REMAIN IN FULL OPERATION THROUGHOUT RENOVATION. AREA SERVED BY PANELS AHD AND ALE. FIRE ALARM DEVICES TO BE REPLACED WITH NEW SPEAKERS/STROBES WITHIN THE SPACE. ALL OTHER EQUIPMENT LIGHTS/RECEPTACLES TO REMAIN.
2. LOCATE FIRE ALARM DEVICES IN EXISTING LAY-IN CELING AREA.
3. LOCATE PULL STATION AT HEIGHT IN COMPLIANCE WITH ADA REQUIREMENTS.
4. PROVIDE CONNECTION FROM (E) KITCHEN FIRE SUPPRESSION SYSTEM TO FIRE ALARM SYSTEM. PROVIDE UNDER THIS SCOPE.
5. CONNECT DOOR RELEASE MECHANISM TO SMOKE DETECTOR VIA FIRE ALARM SYSTEM.
6. USE EXISTING CIRCUIT FOR CONNECTION TO DOOR RELEASE HARDWARE (IF AVAILABLE).

SHEET NOTES:

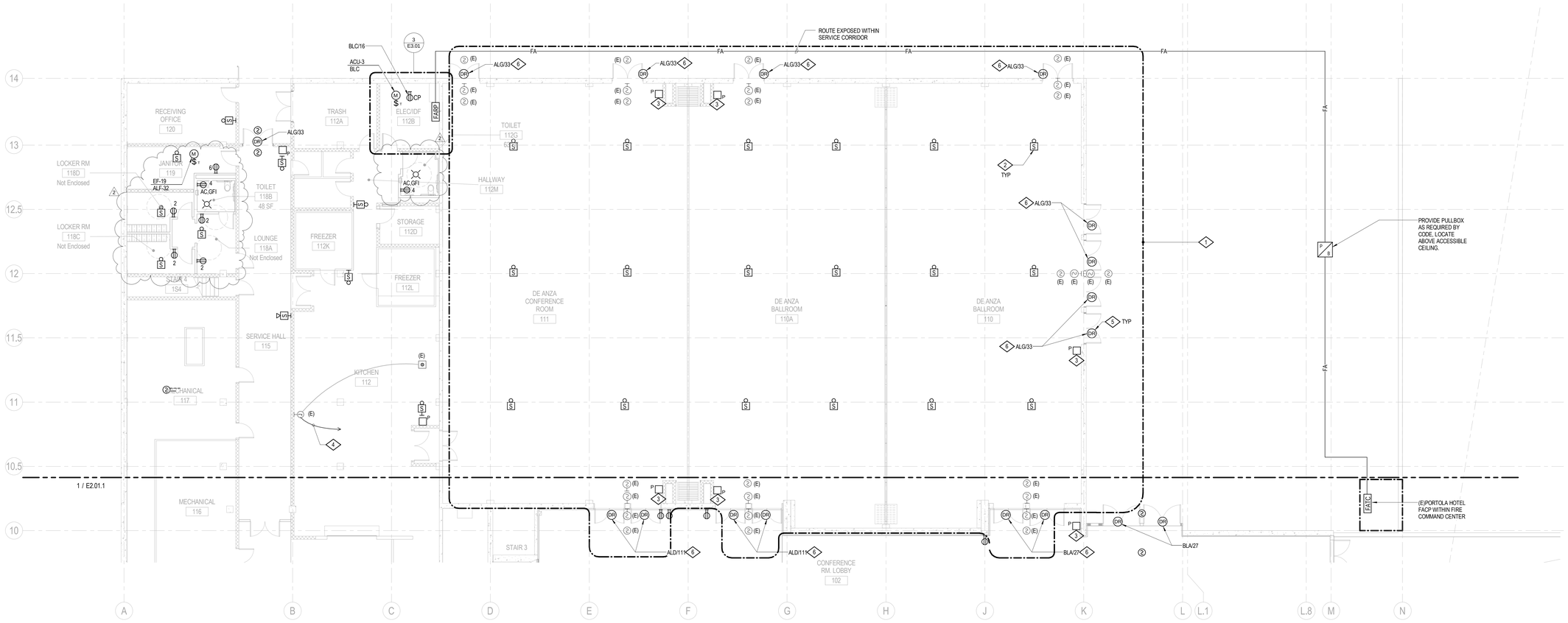
A. THE FIRE MANAGEMENT SYSTEM CONTRACT IS A PERFORMANCE-BASED CONTRACT. THE CONTRACTOR WILL DEVELOP A COMPLETE SET OF CODE-COMPLIANT AND FULLY COORDINATED CONSTRUCTION DOCUMENTS TO THE SATISFACTION OF THE STATE GOVERNING BODIES. THE FIRE ALARM SYSTEM MANUFACTURER SHALL PROVIDE ALL REQUIRED PERMITS AND APPROVALS. THE FIRE MANAGEMENT SYSTEM CONTRACTOR SHALL PROVIDE ALL DEVICES AND ACCESSORIES IN THE QUANTITIES AND LOCATIONS NECESSARY FOR A FULLY FUNCTIONAL AND CODE-COMPLIANT SYSTEM. THE CONTRACTOR SHALL FURNISH AND INSTALL ADDITIONAL DEVICES FOR THE FIRE ALARM AND VOICE EVACUATION SYSTEM TO MEET REQUIREMENTS OF THE LOCAL FIRE DEPARTMENT PLANS REVIEW OFFICE.

B. ALL EQUIPMENT ON SHEET IS NEW, UON.

C. PROVIDE CONDUIT AND WIRE FOR CIRCUITING AND SWITCHING SHOWN.

D. VERIFY EXACT LOCATION OF DEVICES WITH ARCHITECT PRIOR TO ROUGH IN.

E. REFER TO SPECIAL FLOOR AND WALL BOX SCHEDULE ON SHEET E0.02 FOR DETAILS ON SPECIAL RECEPTACLES, COMPANY SWITCHES AND FLOORBOXES.



1 LEVEL 1- POWER PLAN - NORTH
1/8" = 1'-0"

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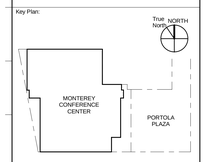
2	ADDENDUM 2	18 SEPT 2015

Key Plan:



Seal & Signature:

REGISTERED PROFESSIONAL ENGINEER
AMANDA J. BROWNLEE
No. E17287
ELECTRICAL
STATE OF CALIFORNIA

Sheet Name:

ELECTRICAL - POWER PLAN - LEVEL 01 - NORTH

Project No.:	Sheet No.:
Project Number	E2.01.2
Drawn By: Author	
Checked By: Checker	
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CAO RISK
Agreement #: Ag-5097 - Page 374 of 429

2/18/2015 1:13:01 PM

SHEET NOTES:

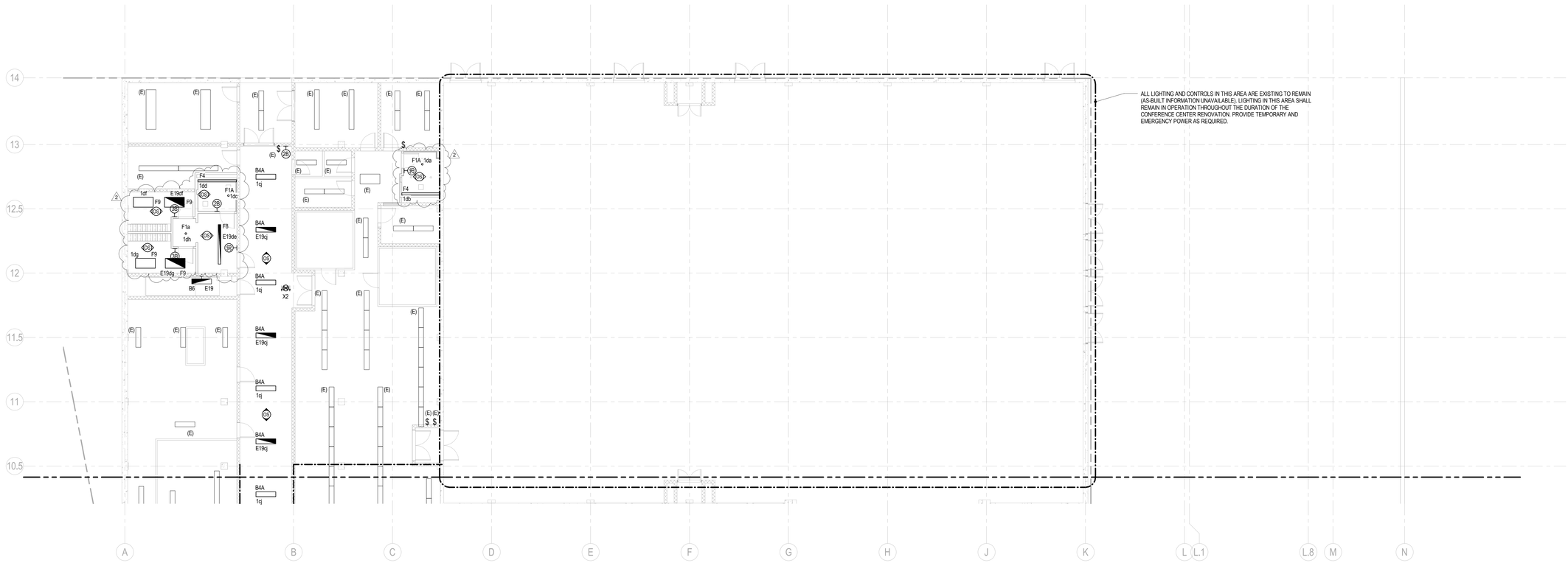
A. ALL EQUIPMENT AND DEVICES ARE NEW, UON.

B. PROVIDE CONDUIT AND WIRE FOR CIRCUITING AND SWITCHING SHOWN.

C. VERIFY EXACT LOCATION OF DEVICES WITH ARCHITECT PRIOR TO ROUGH IN.

D. CONNECT ALL 277V NORMAL LIGHTING ON THIS SHEET TO PANEL AHE, UON.

E. CONNECT ALL 277V EMERGENCY LIGHTING ON THIS SHEET TO PANEL EBHA, UON.



1 LEVEL 1 - ELECTRICAL LIGHTING PLAN - NORTH
1/8" = 1'-0"

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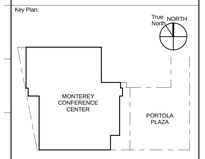

Seal & Signature:

REGISTERED PROFESSIONAL ENGINEER
AMEDEE J. BROUHARD
No. E17287
ELECTRICAL
STATE OF CALIFORNIA

Sheet Name:

ELECTRICAL - LIGHTING PLAN - LEVEL 01 - NORTH

Project No.:	Sheet No.:
Project Number	E4.01.2
Drawn By: Author	
Checked By: Checker	
Scale: 1/8" = 1'-0"	

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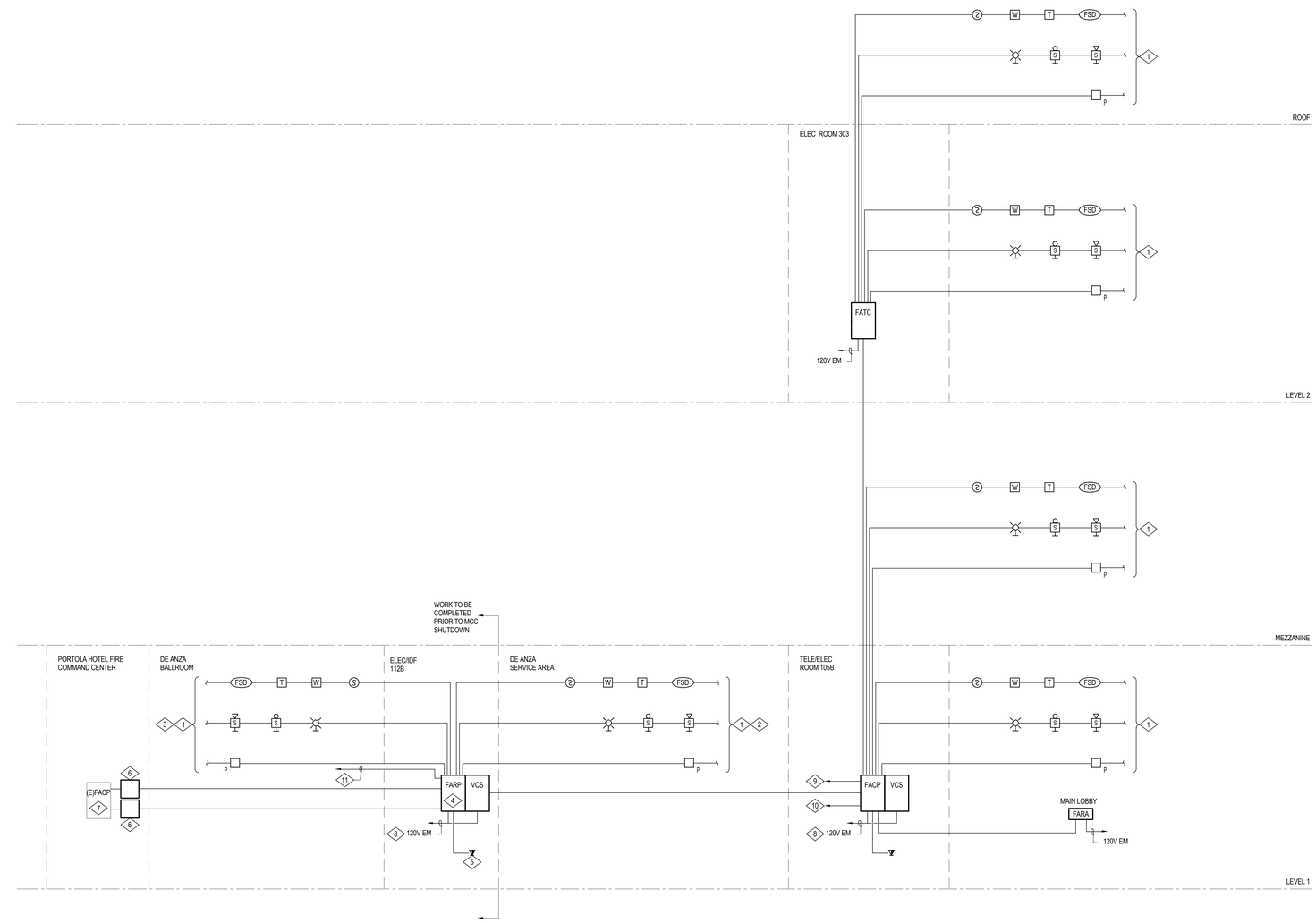
CAO Initial



1 ELECTRICAL FIRE ALARM RISER
NONE

SHEET NOTES

A. REPLACE EXISTING FIRE ALARM SYSTEM WITH NEW SYSTEM, TO INCLUDE VOICE/EVACUATION AS REQUIRED FOR ASSEMBLY OCCUPANCIES.

B. THE FIRE ALARM SYSTEM IS A DEISN-BUILD SYSTEM. THE SYSTEM SHALL MEET CODE, LOCAL REQUIREMENTS OF THE AHJ, AND SHALL MEET THE PERFORMANCE REQUIREMENTS ESTABLISHED BY THE DRAWINGS, SPECIFICATIONS AND THE FIRE LIFE SAFETY REPORT.

C. ON-SITE EMERGENCY GENERATOR IS NOT SUITABLE FOR LIFE-SAFETY POWER. PROVIDE BATTERIES AS REQUIRED BY CODE FOR FULL SYSTEM SECONDARY POWER SOURCE.

D. ALL ELEVATOR RECALL CONTROLS SHALL BE MONITORED BY THE FIRE ALARM SYSTEM PER NFPA 72. PROVIDE CONDUIT AND WIRING AS REQUIRED. (2)

NUMBERED NOTES

1. PROVIDE TYPES AND QUANTITY OF DEVICES AS INDICATED ON ELECTRICAL PLANS. PROVIDE ADDITIONAL DEVICES ARE REQUIRED.
2. DEVICES WITHIN DE ANZA SERVICE AREAS, BETWEEN GRIDLINES A & C.5 AND 9 & 14.
3. DEVICES SERVING DE ANZA BALLROOM, BETWEEN GRIDLINES C.5 & K AND 10 & 14, INCLUDING SMOKE DETECTORS JUST OUTSIDE EXIT DOORS NEEDED FOR DOOR RELEASE.
4. NEW REMOTE PANEL, TO BE INSTALLED AND OPERATIONAL PRIOR TO DE-ENERGIZATION.
5. PROVIDE TELEPHONE COMMUNICATION CAPABILITY DURING RENOVATION TO ALLOW DE ANZA BALLROOM TO REMAIN IN OPERATION.
6. PROVIDE RELAY-BASED COMMUNICATION TO CONNECT TO ADJACENT PORTOLA HOTEL'S EXISTING FIRE ALARM SYSTEM. PROVIDE ANNUNCIATION OF GENERAL TROUBLE AND ALARM SIGNALS EXPERIENCED IN THE DE ANZA BALLROOM, AT THE HOTEL FIRE ALARM PANEL. PROVIDE ANNUNCIATION OF GENERAL TROUBLE AND ALARM SIGNALS EXPERIENCED IN THE HOTEL. PROVIDE INTERFACE AS REQUIRED.
7. EXISTING FACP WITHIN PORTOLA HOTEL PROGRAM EXISTING SYSTEM TO ACCEPT AND REPORT DE ANZA BALLROOM TROUBLE AND ALARM SIGNALS. PROVIDE INTERFACE AS REQUIRED.
8. RECONNECT EXISTING CIRCUIT.
9. PROVIDE CONNECTION(S) TO LIGHTING CONTROL SYSTEM(S) TO BRING LIGHTS TO FULL BRIGHTNESS UPON FIRE ALARM SIGNAL.
10. PROVIDE CONNECTION(S) TO AUDIO/VISUAL EQUIPMENT TO MUTE AUDIO SIGNAL UPON FIRE ALARM SIGNAL.
11. PROVIDE CONNECTION TO EXISTING KITCHEN FIRE SUPPRESSION SYSTEM IN KITCHEN.

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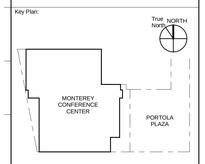

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ELECTRICAL FIRE ALARM RISER DIAGRAM

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Approved as to Form CAO RISK

LEVEL 1 ZONES

LEVEL 1 SERRA WEST ZONES

ZONE	FIXT TYPE	DIM TYPE	ZONE DESCRIPTION
ai	F10	0-10	SERRA BALLROOM 108
ai-EM	F10	0-10	SERRA BALLROOM 108
aj	F10	0-10	SERRA BALLROOM 108
aj-EM	F10	0-10	SERRA BALLROOM 108
ak	F10	0-10	SERRA BALLROOM 108
ak-EM	F10	0-10	SERRA BALLROOM 108
al	F10	0-10	SERRA BALLROOM 108
al-EM	F10	0-10	SERRA BALLROOM 108
am	F10	0-10	SERRA BALLROOM 108
am-EM	F10	0-10	SERRA BALLROOM 108
an	F10	0-10	SERRA BALLROOM 108
an-EM	F10	0-10	SERRA BALLROOM 108
ao	F10	0-10	SERRA BALLROOM 108
ap	F10	0-10	SERRA BALLROOM 108
aq	F9	0-10	SERRA BALLROOM 108
aq-EM	F9	0-10	SERRA BALLROOM 108
au	F9	0-10	SERRA BALLROOM 108
au-EM	F9	0-10	SERRA BALLROOM 108
av	F3	0-10	CONF RM LOBBY 102
aw-EM	F1a	0-10	CONF RM LOBBY 102
ax	F9a	0-10	WEST VESTIBULE 113
ax-EM	F9a	0-10	WEST VESTIBULE 113
ay	F1a	0-10	WEST VESTIBULE 113
ca	A	0-10	SERRA BALLROOM 108
cb	A	0-10	SERRA BALLROOM 108
cc	A	0-10	SERRA BALLROOM 108
cj	B4A	0-10	SERVICE HALL
cj-EM	B4A	0-10	SERVICE HALL
ck-EM	F1a	0-10	SERVICE HALL
cl	F1a	0-10	NORTH SERVICE HALL
cp	F1a	0-10	RESTROOM
cq	F4	0-10	RESTROOM
cr-EM	F9	0-10	NORTH DRESS RM 109C
cs	F1a	0-10	RESTROOM
ct	F4	0-10	RESTROOM
cu-EM	F9	0-10	NORTH DRESS RM 109C
da	F1a	0-10	TOILET 112G
db	F4	0-10	TOILET 112G
dc	F1a	0-10	TOILET 118B
dd	F4	0-10	TOILET 118B
de-EM	F8	0-10	LOUNGE 118A
df	F9	0-10	LOCKER 118D
df-EM	F9	0-10	LOCKER 118D
dg	F9	0-10	LOCKER 118C
dg-EM	F9	0-10	LOCKER 118C
dh	F1a	0-10	LOUNGE 118A
cm		0-10	SPARE
cn		0-10	SPARE
co		0-10	SPARE
cv		0-10	SPARE

LEVEL 1 SERRA EAST ZONES

ZONE	FIXT TYPE	DIM TYPE	ZONE DESCRIPTION
aa	F10	0-10	EXHIBITION HALL EAST 107
aa-EM	F10	0-10	EXHIBITION HALL EAST 107
ab	F10	0-10	EXHIBITION HALL EAST 107
ab-EM	F10	0-10	EXHIBITION HALL EAST 107
ac	F10	0-10	EXHIBITION HALL EAST 107
ac-EM	F10	0-10	EXHIBITION HALL EAST 107
ad	F10	0-10	EXHIBITION HALL EAST 107
ad-EM	F10	0-10	EXHIBITION HALL EAST 107
ae	F10	0-10	EXHIBITION HALL EAST 107
ae-EM	F10	0-10	EXHIBITION HALL EAST 107
af	F10	0-10	EXHIBITION HALL EAST 107
af-EM	F10	0-10	EXHIBITION HALL EAST 107
ag	F10	0-10	EXHIBITION HALL EAST 107
ah	F10	0-10	EXHIBITION HALL EAST 107
ar	F9	0-10	EXHIBITION HALL EAST 107
ar-EM	F9	0-10	EXHIBITION HALL EAST 107
as	F9	0-10	EXHIBITION HALL EAST 107
as-EM	F9	0-10	EXHIBITION HALL EAST 107
at	F9	0-10	EXHIBITION HALL EAST 107
at-EM	F9	0-10	EXHIBITION HALL EAST 107
az-EM	B4A	0-10	SERVICE VESTIBULE 106
cd	A	0-10	EXHIBITION HALL EAST 107
ce	A	0-10	EXHIBITION HALL EAST 107
cf	A	0-10	EXHIBITION HALL EAST 107
cg	A	0-10	EXHIBITION HALL EAST 107
ch	F1b	0-10	EAST HALL 107A
ch-EM	F1b	0-10	EAST HALL 107A
ci	F1b	0-10	WEST HALL 108A
ci-EM	F1b	0-10	WEST HALL 108A
en-EM	F1d	0-10	RESTROOM 107D
eo	F4	0-10	RESTROOM 107D
ep-EM	F1d	0-10	RESTROOM 107B
eq	F4	0-10	RESTROOM 107B
er-EM	F1d	0-10	RESTROOM 108B
es	F4	0-10	RESTROOM 108B
et-EM	F1d	0-10	RESTROOM 108B
eu	F4	0-10	RESTROOM 108B
cw		0-10	SPARE
cx		0-10	SPARE
cy		0-10	SPARE
cz		0-10	SPARE

LEVEL 1 MAIN LOBBY ZONES

ZONE	FIXT TYPE	DIM TYPE	ZONE DESCRIPTION
ea	F1	0-10	MAIN LOBBY 101
ea-EM	F1	0-10	MAIN LOBBY 101
eb	F3	0-10	MAIN LOBBY 101
ec	F25	ELV	MAIN LOBBY 101
ed-EM	F1a	0-10	MAIN LOBBY 101
ee-EM	F1a	0-10	MAIN LOBBY 101
ef	F1a	0-10	MAIN LOBBY 101
eg	F3	0-10	MAIN LOBBY 101
eg-EM	F3	0-10	MAIN LOBBY 101
ej-EM	F1d	0-10	RESTROOM
ek	F4	0-10	RESTROOM
el	F4	0-10	RESTROOM
em-EM	F1d	0-10	RESTROOM
ev	F1d	0-10	MAIN LOBBY 101
ew-EM	F1	0-10	MAIN LOBBY 101
eh		0-10	SPARE
ei		0-10	SPARE
ex		0-10	SPARE
ey		0-10	SPARE

LEVEL 1 EXTERIOR ZONES

ZONE	FIXT TYPE	DIM TYPE	ZONE DESCRIPTION
xe-EM	FX11	0-10	LEVEL 1 - EAST EXIT
xj-EM	FX2	0-10	LEVEL 1 - MAIN ENTRY
xz	FX3	0-10	MCC SIGN - SOUTH EAST
xn	FX3	0-10	MCC SIGN - MAIN ENTRY
xo			SPARE

PORTOLA PLAZA EXTERIOR ZONES

ya	E1	0-10	PLAZA - ALVARADO MALL POLES
yb-EM	E6	0-10	PLAZA - POLES
yc	E5	MLV	PLAZA - DEL MONTE LANDSCAPE
yd	E4	0-10	PLAZA - DEL MONTE BENCH
ye	E7	MLV	PLAZA - PLANTER
yf-EM	E4	0-10	PLAZA - BENCH
yg-EM	E2	0-10	PLAZA - BOLLARDS
yh	E3	NON DIM	PLAZA - INGRADE DRIVE
yk	E7A	ELV	PLAZA - SCULPTURE
yl-EM	E6A	0-10	PLAZA - DEL MONTE LANDSCAPE
ym	E5	MLV	PLAZA - ALVARADO MALL LANDSCAPE
yn			SPARE
yp			SPARE
yq			SPARE

MEZZANINE LEVEL ZONES

MEZZANINE LEVEL INTERIOR ZONES

ZONE	FIXT TYPE	DIM TYPE	ZONE DESCRIPTION
ma	F2a	0-10	MAIN LOBBY 101
mb-EM	F5	0-10	MAIN LOBBY 101
mc	F11	0-10	MAIN LOBBY 101
md	F2a	0-10	MEZZANINE 201
me-EM	F1	0-10	MEZZANINE 201
mf	F1a	0-10	MEZZANINE 201
mg-EM	F1a	0-10	MEZZANINE 201
mh	F7b	ELV	MEZZANINE 201
mi-EM	F1a	0-10	CORRIDOR 202
mj-EM	F3d	0-10	CORRIDOR 202
mk	F2c	0-10	MEZZANINE 201
mk-EM	F2c	0-10	MEZZANINE 201
ml	F1e	0-10	MEZZANINE 201
mm	F2c	0-10	CONF RM LOBBY 102
mm-EM	F2c	0-10	CONF RM LOBBY 102
mn	F1	0-10	OFFICE 206
mo	F13	0-10	OFFICE 206
mo-EM	F13	0-10	OFFICE 206
mp	F13	0-10	OFFICE 206A
mq	F13	0-10	OFFICE 206B
mr	F13	0-10	OFFICE 206C
ms	F13	0-10	OFFICE 206D
mt	F1	0-10	OFFICE 206D
mu-EM	F13	0-10	PANTRY 206E
mv	F1d	0-10	RESTROOM
mw	F4	0-10	RESTROOM
mx	F1d	0-10	RESTROOM
my	F4	0-10	RESTROOM
mz-EM	F1b	0-10	MEZZANINE 201
pa	F13	0-10	OFFICE 206
pb	F7b	ELV	CORRIDOR 202
pc	F3	0-10	OFFICE 206
pd	F6	ELV	STAIR11
pe	F6	ELV	STAIR12
pf	F17	0-10	PANTRY 206E
pg	F1	0-10	OFFICE 206C
ph			SPARE
pi			SPARE
pj			SPARE
pk			SPARE

MEZZANINE EXTERIOR ZONES

ZONE	FIXT TYPE	DIM TYPE	ZONE DESCRIPTION
xg-EM	FX8	0-10	MEZZANINE LEVEL - SIGN LIGHTS
xh-EM	FX6	0-10	MEZZANINE LEVEL - SOUTH EXIT
xi-EM	FX7	0-10	MEZZANINE LEVEL - SOUTH EXIT
xw-EM	FX11	0-10	MEZZANINE - UNDER BRIDGE
X*			SPARE
X*			SPARE

LEVEL 2 ZONES

LEVEL 2 ZONES - STEINBECK BALLROOM

ZONE	FIXT TYPE	DIM TYPE	ZONE DESCRIPTION
aa-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
ab-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
ac-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
ad-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
ae-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
af-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
ag-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
ah-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
ai-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
aj-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
ak-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
al-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
am-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
an-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
ao-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
ap-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
aq-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
ar-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
as-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
at-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
au-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
av-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
aw-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
ax-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
ay-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
az-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
ba-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
bb-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
bc-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
bd-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
be-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
bf-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
bg-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
bh-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
bi-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
bj-EM	F22	0-10	STEINBECK BALLROOM 310 - COVE
ea	F1a	0-10	STEINBECK BALLROOM 310 - ACCENT
ea-EM	F1a	0-10	STEINBECK BALLROOM 310 - ACCENT
eb	F1a	0-10	STEINBECK BALLROOM 310 - ACCENT
eb-EM	F1a	0-10	STEINBECK BALLROOM 310 - ACCENT
ec	F1a	0-10	STEINBECK BALLROOM 310 - ACCENT
ec-EM	F1a	0-10	STEINBECK BALLROOM 310 - ACCENT
ed	F1a	0-10	STEINBECK BALLROOM 310 - ACCENT
ed-EM	F1a	0-10	STEINBECK BALLROOM 310 - ACCENT
ee	F1a	0-10	STEINBECK BALLROOM 310 - ACCENT
ee-EM	F1a	0-10	STEINBECK BALLROOM 310 - ACCENT
ef-EM	F1a	0-10	STEINBECK BALLROOM 310 - ACCENT
eg-EM	F1a	0-10	STEINBECK BALLROOM 310 - ACCENT
eh-EM	F1a	0-10	STEINBECK BALLROOM 310 - ACCENT
es			SPARE
et			SPARE
eu			SPARE
ev			SPARE

LEVEL 2 ZONES - STEINBECK BALLROOM

ZONE	FIXT TYPE	DIM TYPE	ZONE DESCRIPTION
ca	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
cb	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
cc	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
cd	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
ce	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
cf	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
cg	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
ch	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
ci	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
cj	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
ck	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
cl	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
cm	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
cn	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
co	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
cp	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
cq	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
cr	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
cs	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
ct	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
cu	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
cv	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
cw	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
cx	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
cy	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
cz	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
da	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
db	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
dc	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
dd	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
de	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
df	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
dg	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
dh	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
di	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
dj	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
dk	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
dl	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
dm	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
dn	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
do	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
dp	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
dq	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
dr	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
ds	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
dt	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
du	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS
dv	F21	0-10	STEINBECK BALLROOM 310 - DOWNLIGHTS

LEVEL 2 ZONES - PREFUNCTION NORTH

ZONE	FIXT TYPE	DIM TYPE	ZONE DESCRIPTION
ei-EM	F1a	0-10	HALLWAY 317
ej	F1d	0-10	TOILET 318A
ej-EM	F1d	0-10	TOILET 318A
ek	F4	0-10	TOILET 318A
em	F1d	0-10	TOILET 319A
em-EM	F1d	0-10	TOILET 319A
en	F4	0-10	TOILET 319A
eo	F1a	0-10	RESTROOM
ep	F4	0-10	RESTROOM
eq-EM	F1a	0-10	EAST PREFUNCTION 301 - STEINBECK ENTRY ACCENT
er-EM	F1a	0-10	CIRCULATION 311
fa	F14	0-10	MEETING ROOM 308
fb	F14	0-10	MEETING ROOM 308
fb-EM	F14	0-10	MEETING ROOM 308
fc	F14a	0-10	MEETING ROOM 308
fd	F14	0-10	MEETING ROOM 307
fe	F14	0-10	MEETING ROOM 307
fe-EM	F14	0-10	MEETING ROOM 307
ff	F14a	0-10	MEETING ROOM 307
fg	F14	0-10	MEETING ROOM 306
fh	F14	0-10	MEETING ROOM 306
fh-EM	F14	0-10	MEETING ROOM 306
fi	F14a	0-10	MEETING ROOM 306
fj-EM	F3d	0-10	STAIR 3
fk	F2	0-10	PREFUNCTION NORTH 302
fk-EM	F2	0-10	PREFUNCTION NORTH 302
fn	F8	0-10	PREFUNCTION NORTH 302
fo	F1	0-10	PREFUNCTION NORTH 302
fo-EM	F1	0-10	PREFUNCTION NORTH 302
fp	F8	0-10	PREFUNCTION NORTH 302
fq	F2d	0-10	PREFUNCTION NORTH 302
fr	F20	0-10	PREFUNCTION NORTH 302
fs	F7	ELV	PREFUNCTION NORTH 302
ft-EM	F3a	0-10	PREFUNCTION NORTH 302
fu-EM	F1a	0-10	PREFUNCTION NORTH 302
fv			SPARE
fw			SPARE
fx			SPARE
fy			SPARE

LEVEL 2 ZONES - PREFUNCTION EAST

ZONE	FIXT TYPE	DIM TYPE	ZONE DESCRIPTION
ga	F8	0-10	EAST PREFUNCTION 301
gb	F8	0-10	EAST PREFUNCTION 301
gc	F8	0-10	EAST PREFUNCTION 301
gd	F8	0-10	EAST PREFUNCTION 301
ge-EM	F2d	0-10	EAST PREFUNCTION 301
gf-EM	F2d	0-10	EAST PREFUNCTION 301
gg	F2d	0-10	PREFUNCTION 300
gh	F16	0-10	PREFUNCTION 300
gi-EM	F16	0-10	PREFUNCTION 300
gj	F2d	0-10	PREFUNCTION 303
gk	F16	0-10	PREFUNCTION 303
gl-EM	F16	0-10	PREFUNCTION 303
gp-EM	F1a	0-10	EAST PREFUNCTION 301
gq			SPARE
gr			SPARE
gs			SPARE
gt			SPARE

LEVEL 2 EXTERIOR ZONES

ZONE	FIXT TYPE	DIM TYPE	ZONE DESCRIPTION
xa-EM	FX5	0-10	LEVEL 2 SOUTH - EXTERIOR
xb-EM	FX11	0-10	LEVEL 2 SOUTH - EXTERIOR
xc-EM	FX1	0-10	LEVEL 2 EAST - EXTERIOR
xd	FX10	0-10	LEVEL 2 TERRACE - EXTERIOR
xf-EM	FX13	0-10	LEVEL 2 NORTH EXIT - EXTERIOR
xk-EM	FX1	0-10	LEVEL 2 TERRACE - EXTERIOR
xl	FX12	0-10	LEVEL 2 - WEST DONOR WALL
xm-EM	FX14	ELV	LEVEL 2 - NORTHWEST EXIT PATH
xp-EM	FX1	0-10	LEVEL 2 TERRACE - EXTERIOR
xr-EM	FX17	0-10	LEVEL 2 - JEFFERS PLAZA
xs-EM	FX11	0-10	LEVEL 2 - SOUTH EXTERIOR VESTIBULE (SERRA BALLROOM)
xt-EM	FX12	0-10	LEVEL 2 - WEST EXTERIOR -MURAL
xu-EM	FX1	0-10	LEVEL 2 - SOUTH EXIT HARDSCAPE
xx	TBD	TBD	PORTOLA HOTEL SIGN
xy	FX3	0-10	MCC SIGN - SOUTH WEST
xq			SPARE
xv			SPARE

NUMBERED NOTES

1. CONNECT SIGNAL FROM UL 924 EMERGENCY POWER DEVICE TO ALL SWITCHING AND DIMMING ZONE CONTROLLERS WITH EMERGENCY LIGHTING. SEE NUMBERED NOTE 2 FOR CONTINUATION.
2. SIGNAL FROM UL 924 EMERGENCY POWER DEVICE. SIGNAL SHALL SET ALL FIXTURES TO FULL ON. SEE NUMBERED NOTE 1 FOR CONTINUATION.
3. LAPTOP WITH QUANTUM LIGHTING CONTROL MANAGEMENT SOFTWARE INSTALLED AND LICENSED. LAPTOP MAY BE PLUGGED INTO ANY DATA JACK WITHIN PROJECT SCOPE CONNECTED TO ETHERNET NETWORK FOR LOCAL IN-ROOM LIGHTING CONTROL PROGRAMMING.
4. PROVIDE EMPTY CONDUIT TO BUILDING EXTERIOR FOR FUTURE PG&E DEMAND RESPONSE SIGNAL.

WIRING LEGEND

ETHERNET/NETWORK CABLING.

QS LINK.

FOR ALL OTHER WIRING TYPES, CONFIRM WIRING REQUIREMENTS WITH MANUFACTURER, AND PROVIDE AS REQUIRED.

SHEET NOTES

A. DIMMING SYSTEM COMPONENTS ARE BASED ON LUTRON QUANTUM SINGLE PROCESSOR HUBS WITH ENERGY SAVR NODE PANELS CONNECTED VIA QS LINK, AS BASIS-OF-DESIGN. MANUFACTURER SHALL BE LUTRON OR EQUAL AS IDENTIFIED IN THE SPECIFICATION.

B. CONTRACTOR SHALL PROVIDE ALL COMPONENTS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM. PROVIDE PER MANUFACTURER'S RECOMMENDATION.

C. THIS DIAGRAM IS SCHEMATIC AND REPRESENTS GENERAL LIGHTING CONTROL SYSTEM CONCEPTS AND COMPONENTS. REFER TO FLOOR PLANS FOR EXACT LIGHTING FIXTURE TYPES, CIRCUITRY, AND CONTROLS. PROVIDE CONNECTIONS TO ALL DEVICES SHOWN ON PLANS AND/OR RISER DIAGRAM. REFER TO PLANS FOR SPECIFIC ZONING PER ROOM AND PROVIDE INTERFACES AS REQUIRED TO MEET ZONING INTENT. PROVIDE ADDITIONAL CONNECTING DEVICES (FOR EXAMPLE, QS MODULES), POWER SUPPLIES, WIRING, INTERFACES, AND OTHER EQUIPMENT AS NECESSARY TO CONNECT TO ALL FIXTURES AND DEVICES SHOWN.

D. ALL OCCUPANCY/VACANCY AND PHOTOCELL DAYLIGHT SENSORS ARE CONNECTED TO THE SYSTEM VIA QS LINK AND ARE ADDRESSABLE BY ANY CONTROL PANEL IN THE SYSTEM, U.O.N.

E. DEVICE COLORS BY ARCHITECT.

F. PROVIDE INTERFACE(S) AS REQUIRED FOR EMERGENCY LIGHTING TO RETURN TO FULL BRIGHTNESS UPON RECEIPT OF FIRE ALARM SIGNAL, OR UPON LOSS OF NORMAL POWER.

G. PROVIDE CONDUIT AND WIRE PER MANUFACTURER'S REQUIREMENTS/ RECOMMENDATION.

H. SUBMIT SYSTEM START-UP REPORTS VERIFYING PROPER OPERATION AND PROGRAMMING OF ALL LIGHTING ZONES, INCLUDING THE FOLLOWING:
- TIMECLOCK SCHEDULES
- OCCUPANCY SENSORS
- PHOTOSENSORS/PHOTOCELLS
- LOCAL CONTROLS, INCLUDING SWITCHING AND SCENE SELECTION
- A/V SYSTEM INTERFACE, INCLUDING SCENE SELECTION FROM A/V CONTROLLERS
- UL 924 EMERGENCY POWER TRANSFER DEVICES

I. SUBMIT REQUIRED TITLE 24 LIGHTING CONTROL FORMS TO SHOW COMPLIANCE.

J. WHERE 0-10V OR ELV DIMMING DRIVERS/BALLASTS ARE SPECIFIED FOR FIXTURES, PROVIDE INTERFACE MODULES AS REQUIRED TO ALLOW FOR CENTRAL LIGHTING SYSTEM CONTROL 0-10V OR ELV FIXTURES.

K. CONTRACTOR TO COORDINATE WITH SUBMITTED VENDOR SHOP DRAWINGS AND PROVIDE 120V POWER TO ALL LINE VOLTAGE-POWERED DEVICES, AS REQUIRED. WHERE POWER IS REQUIRED TO DEVICES NOT SHOWN ON CONTRACT DOCUMENTS SUCH AS ADDITIONAL POWER SUPPLIES, EXTEND POWER FROM NEAREST AVAILABLE SPARE CIRCUIT BREAKER IN PANELBOARDS DESIGNATED FOR LIGHTING POWER ON POWER RISER DIAGRAM, AND CONNECT.

LIGHTING CONTROLS LEGEND

DZC 0-10V — DIMMING ZONE CONTROLLER FOR 0-10V LOADS. "EM" DESIGNATION FOR UNITS INCLUDING EMERGENCY LOADS. LUTRON ENERGY SAVR NODE WITH 0-10V. IN LOCATIONS WITH ARCHITECTURAL CEILINGS, MOUNT ABOVE CEILING IN ACCESSIBLE LOCATION, UON.

HUB- — LIGHTING CONTROL HUB FOR DALI CENTRALIZED CONTROL. INCLUDES (2) PROCESSORS AND (3) CONFIGURABLE LINKS, WITH 5-PORT ETHERNET SWITCH. PROVIDE WITH ETHERNET JUMPER CABLE BETWEEN PROCESSORS TO ALLOW FOR A SINGLE INCOMING ETHERNET CONNECTION (BY DIVISION 27) TO CONNECT TO BOTH PROCESSORS. LUTRON QUANTUM LIGHT MANAGEMENT HUB.

LRC — LIGHTING RELAY CABINET. REFER TO SPECIFICATION SECTION 26 09 26 PROGRAMMABLE LIGHTING CONTROL SYSTEM. PROVIDE PANEL WITH RELAYS RATED FOR 120V/20A LOAD FOR EACH CONTROLLED RECEPTACLE ZONE; IF NOT AVAILABLE, PROVIDE (1) CONTACTOR RATED FOR 120V/20A LOAD FOR EACH RELAY. IF SPACE WITHIN PANEL IS NOT SUFFICIENT, PROVIDE IN SEPARATE ADJACENT CONTACTOR PANEL.

2B — 1-BUTTON ZONE CONTROL SWITCH WITH RAISE/LOWER FUNCTION. LUTRON QS SEE TOUCH QSWS2-2BRLN-WH. DEFAULT BUTTON CONFIGURATION, UNLESS OTHERWISE NOTED:
- BUTTON 1: ZONE 1 TOGGLE.
- BUTTON 2: ALL FIXTURES OFF.
- RAISE/LOWER BUTTONS: SELECTED ZONE BRIGHTER/DIMMER.

MODIFY CONTROLS AS NECESSARY TO COORDINATE WITH SEQUENCE OF OPERATIONS AND CONTROL INTENT SHOWN IN PLANS AND SPECIFICATIONS.

3B — 2-BUTTON ZONE SELECTION SWITCH WITH RAISE/LOWER FUNCTION. LUTRON QS SEE TOUCH QSWS2-3BRLN-WH. DEFAULT BUTTON CONFIGURATION, UNLESS OTHERWISE NOTED:
- BUTTON 1: ZONE 1 TOGGLE.
- BUTTON 2: ZONE 2 TOGGLE.
- BUTTON 3: ALL FIXTURES OFF.
- RAISE/LOWER BUTTONS: SELECTED ZONE BRIGHTER/DIMMER.

MODIFY CONTROLS AS NECESSARY TO COORDINATE WITH SEQUENCE OF OPERATIONS AND CONTROL INTENT SHOWN IN PLANS AND SPECIFICATIONS.

5B — 4-BUTTON ZONE CONTROL SWITCH WITH RAISE/LOWER FUNCTION. LUTRON QS SEE TOUCH QSWS2-5BRLN-WH. DEFAULT BUTTON CONFIGURATION, UNLESS OTHERWISE NOTED:
- BUTTON 1: ZONE 1 TOGGLE.
- BUTTON 2: ZONE 2 TOGGLE.
- BUTTON 3: ZONE 3 TOGGLE.
- BUTTON 4: ZONE 4 TOGGLE.
- BUTTON 5: ALL FIXTURES OFF.
- RAISE/LOWER BUTTONS: SELECTED ZONE BRIGHTER/DIMMER.

MODIFY CONTROLS AS NECESSARY TO COORDINATE WITH SEQUENCE OF OPERATIONS AND CONTROL INTENT SHOWN IN PLANS AND SPECIFICATIONS.

OS — CEILING MOUNTED OCCUPANCY SENSOR. LUTRON LOS-CDT-2000-WH.

OS — CEILING MOUNTED OCCUPANCY SENSOR, CORRIDOR TYPE. LUTRON LOS-CDT-2000-WH.

WP OS — OUTDOOR RATED RECESSED OCCUPANCY SENSOR. SENSOR SWITCH OR EQUAL.

WP PC — OUTDOOR RATED SURFACE MOUNTED OCCUPANCY SENSOR. SENSOR SWITCH OR EQUAL.

PC — PHOTO CELL DAYLIGHT SENSOR FOR AUTOMATIC DAYLIGHT RESPONSIVE CONTROLS (DIMMED OR SWITCHED). LUTRON EC-DIR-WH

WP PC — PHOTO CELL DAYLIGHT SENSOR FOR AUTOMATIC DAYLIGHT RESPONSIVE CONTROLS. OUTDOOR RATED. FACING NORTH. LUTRON CESO SERIES

SENSOR MODULE INTERFACE FOR WIRED CONTROL DEVICES. LUTRON QS SENSOR MODULE QSM2-4W-C. IN LOCATIONS WITH ARCHITECTURAL CEILINGS, MOUNT ABOVE CEILING IN ACCESSIBLE LOCATION, UON. QUANTITIES SHOWN ARE DIAGRAMMATIC. MANUFACTURER TO CONFIRM TOTAL REQUIRED QUANTITIES IN SUBMITTED SHOP DRAWINGS. PROVIDE CONNECTIONS TO ALL DEVICES AS REQUIRED.

PS — 120V POWER SUPPLY FOR UL 924 EMERGENCY POWER DEVICE. LUTRON PP-120H. IN LOCATIONS WITH ARCHITECTURAL CEILINGS, MOUNT ABOVE CEILING IN ACCESSIBLE LOCATION, UON.

AV — INTERFACE FOR AUDIO/VISUAL SYSTEM WITH RS-232 AND ETHERNET CAPABILITIES. LUTRON QSE-CI-NWK-E. IN LOCATIONS WITH ARCHITECTURAL CEILINGS, MOUNT ABOVE CEILING IN ACCESSIBLE LOCATION, UON.

I/O — INPUT-OUTPUT CONTROL INTERFACE. IN LOCATIONS WITH ARCHITECTURAL CEILINGS, MOUNT ABOVE BCEILING IN ACCESSIBLE LOCATION, UON. LUTRON QSE-IO.

EM (120V EM, PS, FA, 120V NORMAL) — UL 924 EMERGENCY POWER DEVICE WITH NORMAL POWER SENSING AND FIRE ALARM INTERFACE (NO OR NC CONTACT CLOSURE INPUT). PROVIDE FIRE ALARM INPUT FOR GROUP A OCCUPANCIES (ONE INPUT PER FLOOR). EXTEND 3-PHASE 4-WIRE NORMAL POWER CONNECTION FROM NEAREST AVAILABLE UNSWITCHED 3 PHASES OF POWER FROM NORMAL 120V LIGHTING PANEL SOURCE FOR NORMAL POWER SENSING (CIRCUITING IS FOR SIGNAL ONLY; NO POWER DRAW). LUTRON LUT-ELI-3PH. IN LOCATIONS WITH ARCHITECTURAL CEILINGS, MOUNT ABOVE CEILING IN ACCESSIBLE LOCATION, UON.

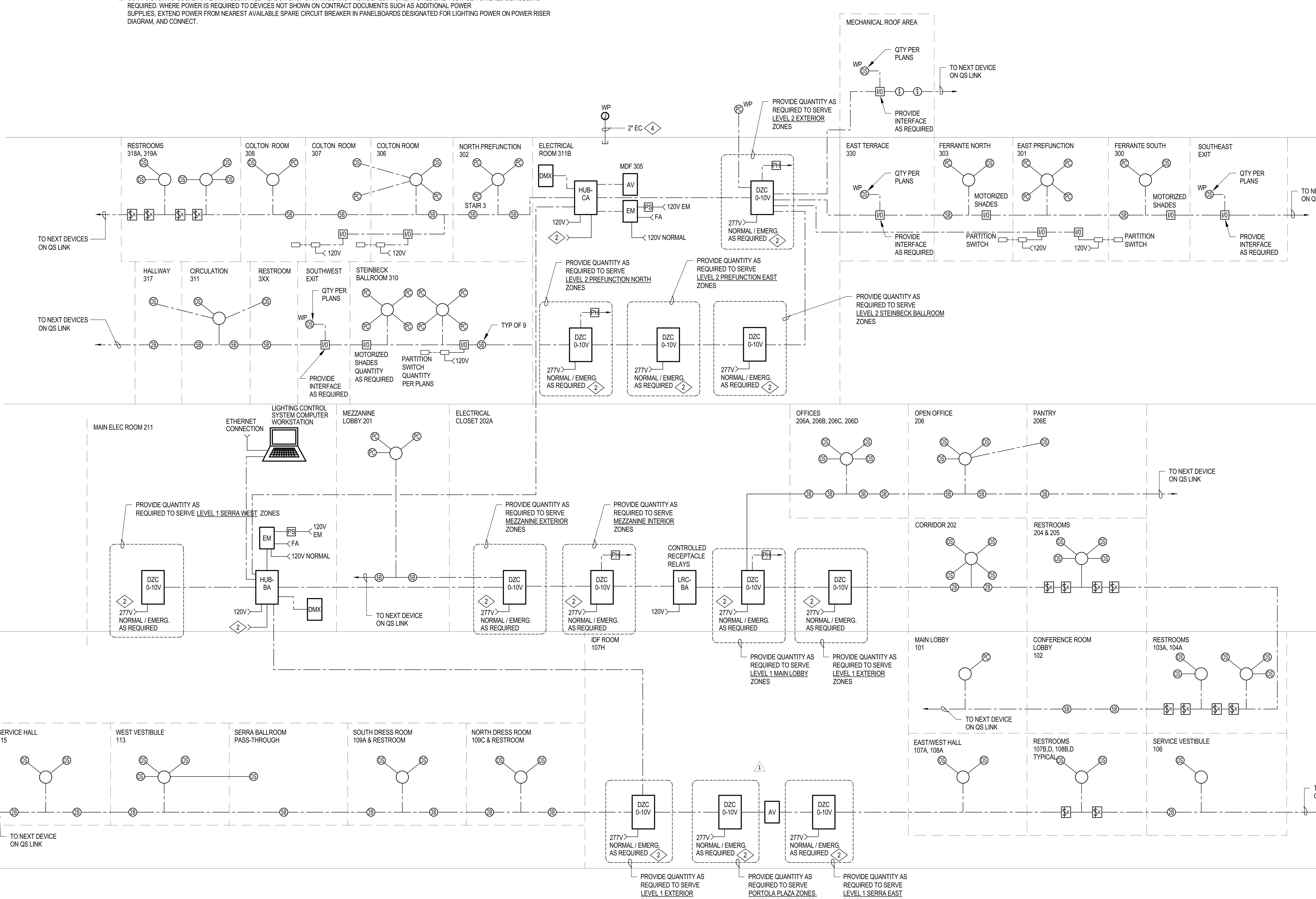
INFRARED PARTITION SWITCH. LUTRON GRX-IRPS-WH COORDINATE EXACT MOUNTING LOCATION WITH ARCHITECT.

PH — PHASE ADAPTIVE POWER MODULE FOR 0-10V LOADS. LUTRON PHPM-WBX-DV-WH

K $ — KEYED SWITCH. LUTRON QSWS2-KSN3MOC-WH

$ — LOW-VOLTAGE TOGGLE SWITCH. LUTRON

DMX — DMX-512 INTERFACE. LUTRON QSE-CI-DMX



ELECTRICAL LIGHTING CONTROL RISER DIAGRAM

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL

580 PACIFIC STREET, MONTEREY, CA 93940
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Issued For:

No.:	Description:	Date:
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015
1	ADDENDUM 1	11 SEPT 2015
2	ADDENDUM 2	18 SEPT 2015

Key Plan: MONTEREY CONFERENCE CENTER — PORTOLA PLAZA — True North / NORTH

Seal & Signature: REGISTERED PROFESSIONAL ENGINEER — AMANDA J. BROWNLEE — No. E17287 — ELECTRICAL — STATE OF CALIFORNIA

Sheet Name:
ELECTRICAL LIGHTING CONTROL RISER DIAGRAM

Project No.: Project Number
Drawn By: Author
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Scale: 12" = 1'-0"
Sheet No.: E5.04

9/17/2015 1:16:23 PM

Approved as to Form CAO RISK

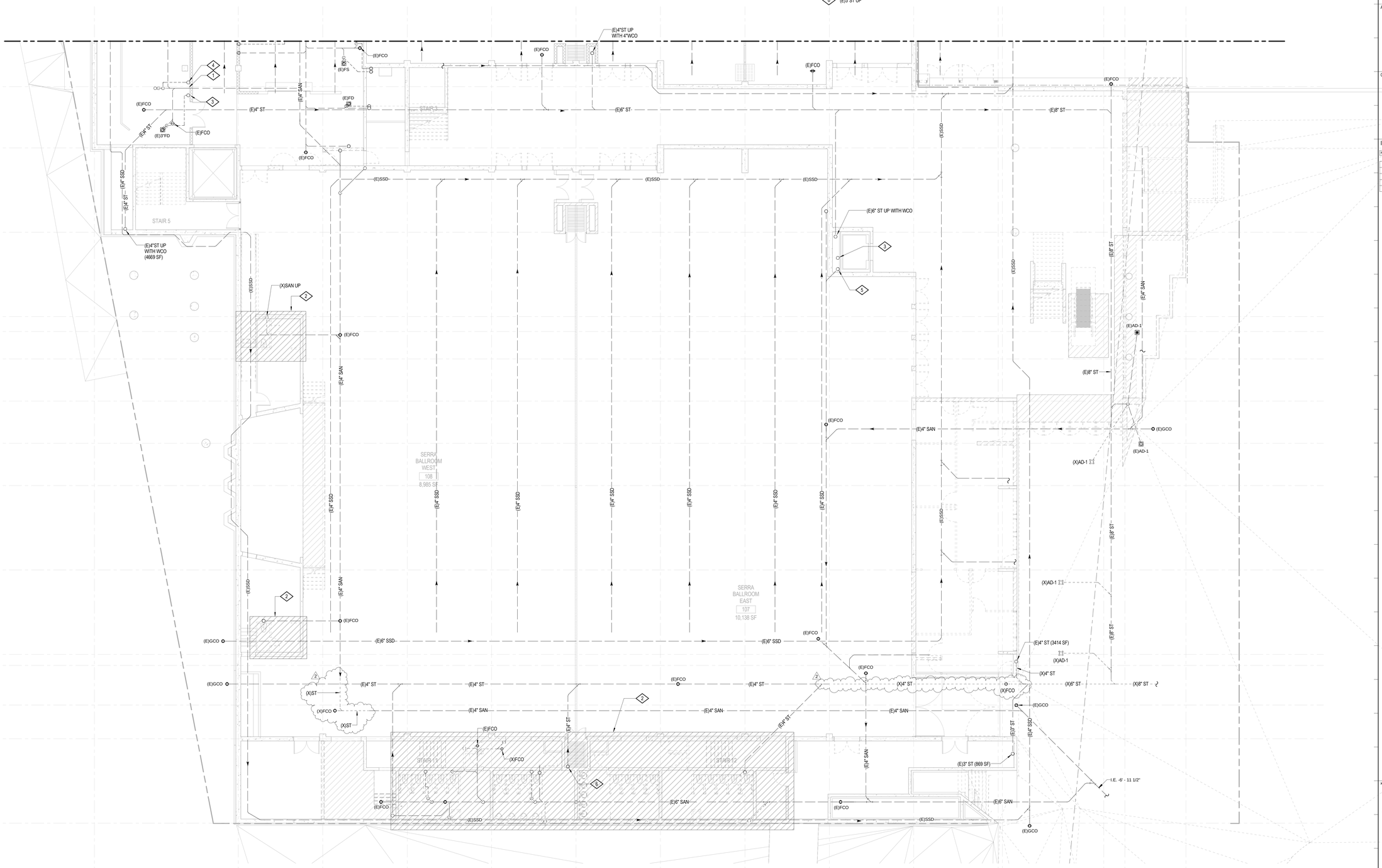
NUMBERED NOTES:

1. (E)4"SAN UP & DN
2. DEMOLISH ALL PLUMBING FIXTURES. CW, HW, SAN & VENT PIPING.
3. (E)3"V UP
4. (E)2"V UP
5. (E)4"SAN UP
6. (E)3"ST UP

SHEET NOTES:

A. ISSUED FOR REFERENCE ONLY. NO DEMOLITION WORK UNDER PLUMBING SCOPE.

B. PRIOR TO DRILLING OR CORING INTO ANY EXISTING TO REMAIN CONCRETE, EXISTING REBAR AND PT TENDONS SHALL BE LOCATED BY SCANNING. SUBMIT SHOP DRAWINGS SHOWING THE COORDINATED LOCATIONS OF OPENINGS AND ANCHORS TO AVOID DAMAGING EXISTING REBAR AND PT TENDONS. CORING OF POST-TENSION CONCRETE WILL NOT BE PERMITTED WITHOUT THE REVIEW OF THE ARCHITECT. REFER TO DETAIL 11/S6.00 AND DETAIL 14/S5.19 FOR OTHER REQUIREMENTS OF PT SLAB PENETRATIONS.



1 UNDERGROUND DEMOLITION PLAN - SOUTH
1/8" = 1'-0"

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MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL

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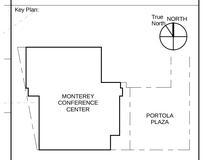
No.	Description:	Date:
	60% PROJECT COMPLETION	15 MAY 2015
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015
2	ADDENDUM 2	18 SEPT 2015

Key Plan:



Seal & Signature:

REGISTERED PROFESSIONAL ENGINEER
JOJI THOMAS
No. M35886
MECHANICAL
STATE OF CALIFORNIA

Sheet Name:

PLUMBING UNDERGROUND DEMOLITION PLAN - SOUTH

Project No.:	Sheet No.:
Project Number	PD2.01U.1
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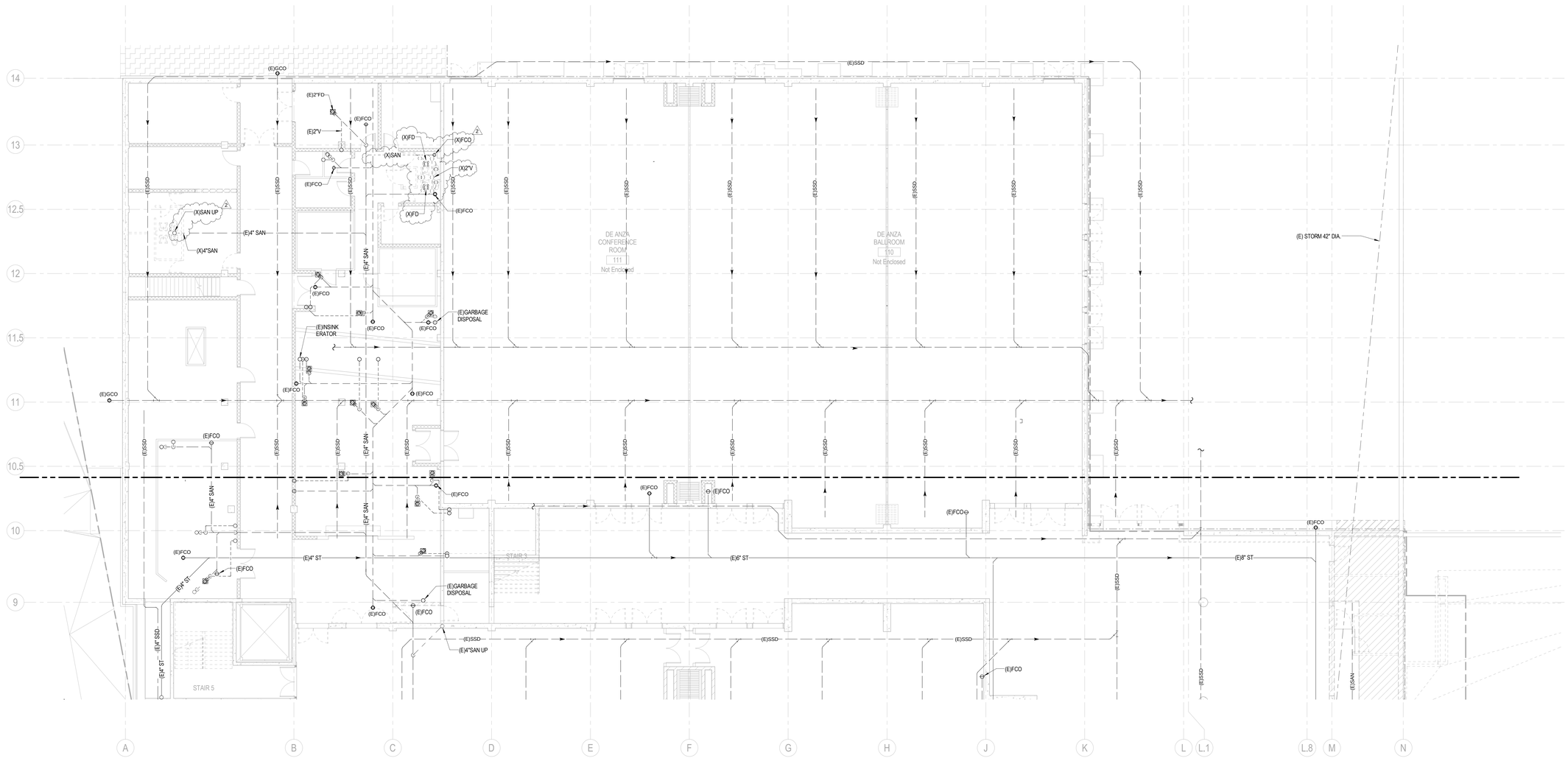
SHEET NOTES:

A. ISSUED FOR REFERENCE ONLY. NO DEMOLITION WORK UNDER PLUMBING SCOPE.

B. PRIOR TO DRILLING OR CORING INTO ANY EXISTING TO REMAIN CONCRETE, EXISTING REBAR AND PT TENDONS SHALL BE LOCATED BY SCANNING. SUBMIT SHOP DRAWINGS SHOWING THE COORDINATED LOCATIONS OF OPENINGS AND ANCHORS TO AVOID DAMAGING EXISTING REBAR AND PT TENDONS. CORING OF POST-TENSION CONCRETE WILL NOT BE PERMITTED WITHOUT THE REVIEW OF THE ARCHITECT. REFER TO DETAIL 11/S6.00 AND DETAIL 14/S5.19 FOR OTHER REQUIREMENTS OF PT SLAB PENETRATIONS.



1 UNDERGROUND DEMOLITION PLAN - NORTH
1/8" = 1'-0"

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL

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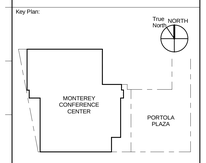
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015
2	ADDENDUM 2	18 SEPT 2015

Key Plan:



Seal & Signature:

REGISTERED PROFESSIONAL ENGINEER
TROY THOMAS
No. M35886
MECHANICAL
STATE OF CALIFORNIA

Sheet Name:

PLUMBING UNDERGROUND DEMOLITION PLAN - NORTH

Project No.: Project Number	Sheet No.: PD2.01U.2
Drawn By: Author	
Checked By: Checker	
Scale: 1/8" = 1'-0"	

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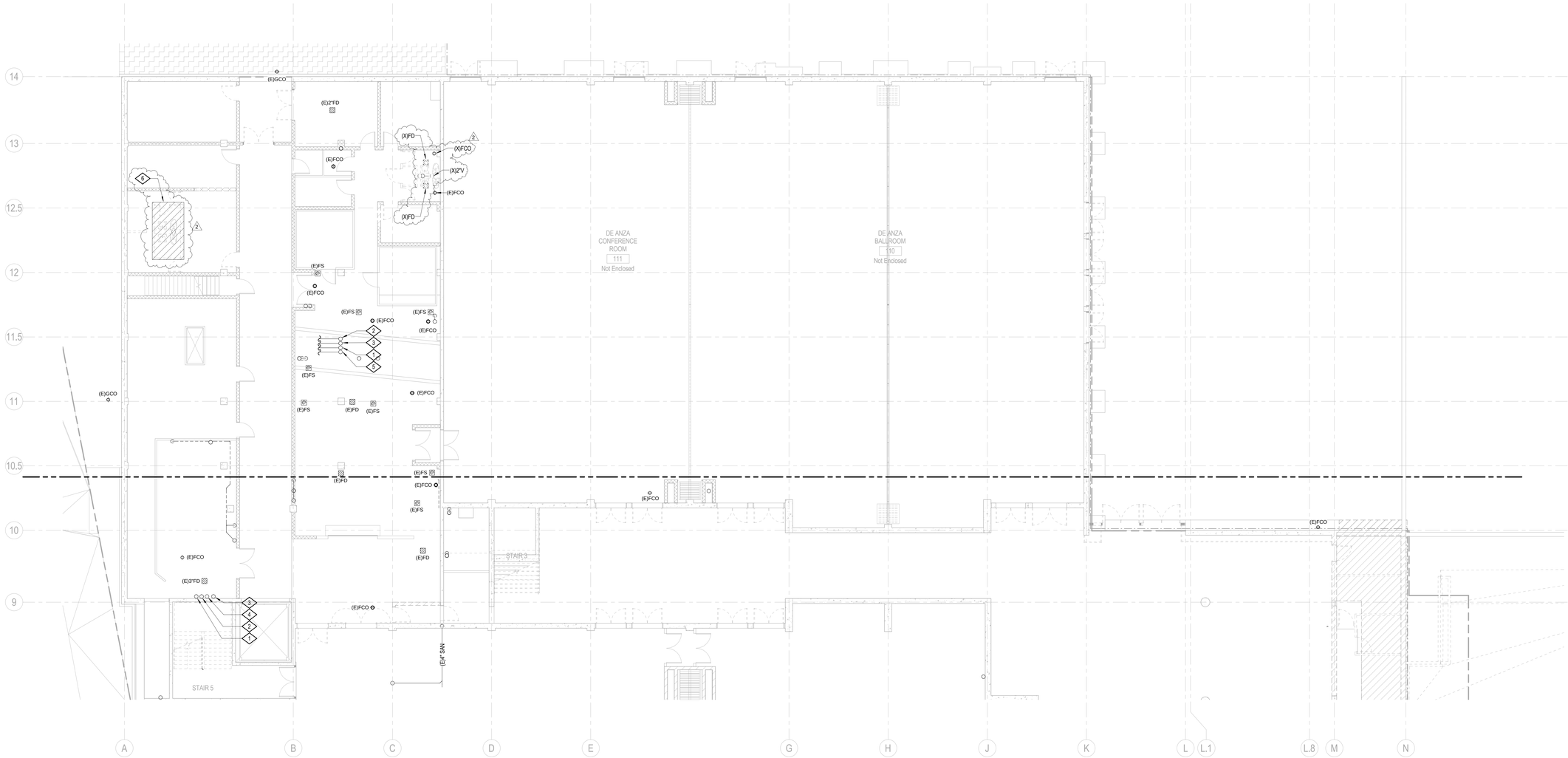
8/4/2015 10:03:54 AM

NUMBERED NOTES:

1. (E)3"CW DN
2. (E)2"HW DN
3. (E)1"HWR DN
4. (E)2-1/2"G DN
5. (E)1-1/2"G DN
6. DEMOLISH ALL PLUMBING FIXTURES. CW, HW, SAN & VENT PIPING WITHIN THE WALL.

SHEET NOTES:

A. PRIOR TO DRILLING OR CORING INTO ANY EXISTING TO REMAIN CONCRETE, EXISTING REBAR AND PT TENDONS SHALL BE LOCATED BY SCANNING. SUBMIT SHOP DRAWINGS SHOWING THE COORDINATED LOCATIONS OF OPENINGS AND ANCHORS TO AVOID DAMAGING EXISTING REBAR AND PT TENDONS. CORING OF POST-TENSION CONCRETE WILL NOT BE PERMITTED WITHOUT THE REVIEW OF THE ARCHITECT. REFER TO DETAIL 11/S6.00 AND DETAIL 14/S5.19 FOR OTHER REQUIREMENTS OF PT SLAB PENETRATIONS.



1 LEVEL 01 DEMOLITION PLAN - NORTH
1/8" = 1'-0"

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL

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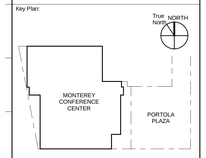
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015
2	ADDENDUM 2	18 SEPT 2015

Key Plan:



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REGISTERED PROFESSIONAL ENGINEER
JOJI THOMAS
No. M35886
MECHANICAL
STATE OF CALIFORNIA

Sheet Name:

PLUMBING LEVEL 01 DEMOLITION PLAN - NORTH

Project No.: Project Number	Sheet No.: PD2.01.2
Drawn By: Author	
Checked By: Checker	
Scale: 1/8" = 1'-0"	

8/6/2015 7:56:18 AM

Agreement #: Ag-5097 - Page 375 329

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CAO RISK

NUMBERED NOTES:

1. (E)4"SAN UP & DN
2. 2"SAN UP
3. (E)3"V UP
4. (E)2"V UP
5. 4"SAN UP
6. 2"V UP
7. (E)4"SAN UP
8. 4"SAN FROM ABOVE
9. (E)4"ST UP
10. 4"ST UP
11. 6"ST UP
12. 4"ST TO BIO-RETENTION BASIN. COORDINATE COVER DEPTH AT SITE WITH THE CIVIL CONTRACTOR.
13. (E)6"ST UP WITH WCO
14. CONNECT (E)4"ST TO BIO-FILTRATION AREA

SHEET NOTES:

A. PRIOR TO DRILLING OR CORING INTO ANY EXISTING TO REMAIN CONCRETE, EXISTING REBAR AND PT TENDONS SHALL BE LOCATED BY SCANNING. SUBMIT SHOP DRAWINGS SHOWING THE COORDINATED LOCATIONS OF OPENINGS AND ANCHORS TO AVOID DAMAGING EXISTING REBAR AND PT TENDONS. CORING OF POST-TENSION CONCRETE WILL NOT BE PERMITTED WITHOUT THE REVIEW OF THE ARCHITECT. REFER TO DETAIL 11/S6.00 AND DETAIL 14/S5.19 FOR OTHER REQUIREMENTS OF PT SLAB PENETRATIONS.

1 / P2.01U.2

MECHANICAL 116 · STAIR 5 · ELEVATOR 2 · WEST VESTIBULE 113 · STAIR 3 · CONFERENCE RM. LOBBY 102 · MEN'S TOILET 104A · VESTIBULE 104 · VESTIBULE 103 · WOMEN'S TOILET 103A · ELEVATOR 1 · MAIN LOBBY 101 · NORTH DRESS RM 109C · PLATFORM 109 · SERRA BALLROOM WEST 108 · SERRA BALLROOM EAST 107 · SOUTH DRESS RM 109A · MECH 101A · SERVICE VESTIBULE 106 · WEST HALL 108A · EAST HALL 107A · STORAGE 108F · MPOE/IDF 107H · WOMEN'S TOILET 108C · MEN'S TOILET 108B · MEN'S TOILET 107B · WOMEN'S TOILET 107C · TELEPHONE & ELEC EQUIP 107G

(E)4" ST UP WITH 4"WCO · (E)4" ST UP WITH WCO · (E)4" ST STACK (3001 SF) · (E)3"FS · (E)3"FD · (E)FCO · (E)FS · (E)FD · (E)4" SAN · (E)4" ST · (E)6" ST · (E)8" ST · (E)SSD · (E)6" SSD · (E)4" SSD · (E)4" SAN · (E)6" SAN · (E)8" SAN · (E)GCO · (E)AD-1 · (E)WCO · (E)SLOPE 1/4" / FT · (N)SLOPE 1/4" / FT · POC · FCO · FD-1 · 2"FD-1 · 4"FSK · 10" ST · 8" ST · CONNECT TO EXISTING ST MAIN · I.E. -6' - 11 1/2" · (E)3" ST (869 SF) ADD WCO · FOR CONTINUATION REFER TO CIVIL / LANDSCAPE DRAWINGS

(6922 SF) · (4284 SF) · (480 SF) · (485 SF) · (3957 SF) · (13,285SF) ADD WCO · (1824 SF) ADD WCO

1 LEVEL 1- PLUMBING PLAN
1/8" = 1'-0"

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL

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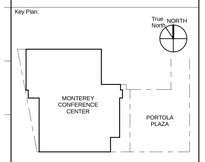
	60% PROJECT COMPLETION	15 MAY 2015
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015
2	ADDENDUM 2	18 SEPT 2015

Key Plan:



Seal & Signature:

REGISTERED PROFESSIONAL ENGINEER · JOJI THOMAS · No. M35886 · MECHANICAL · STATE OF CALIFORNIA

Sheet Name:

PLUMBING PLAN - UNDERGROUND - SOUTH

Project No.: Project Number
Drawn By: Author
Checked By: Checker
Scale: 1/8" = 1'-0"

Sheet No.: P2.01U.1

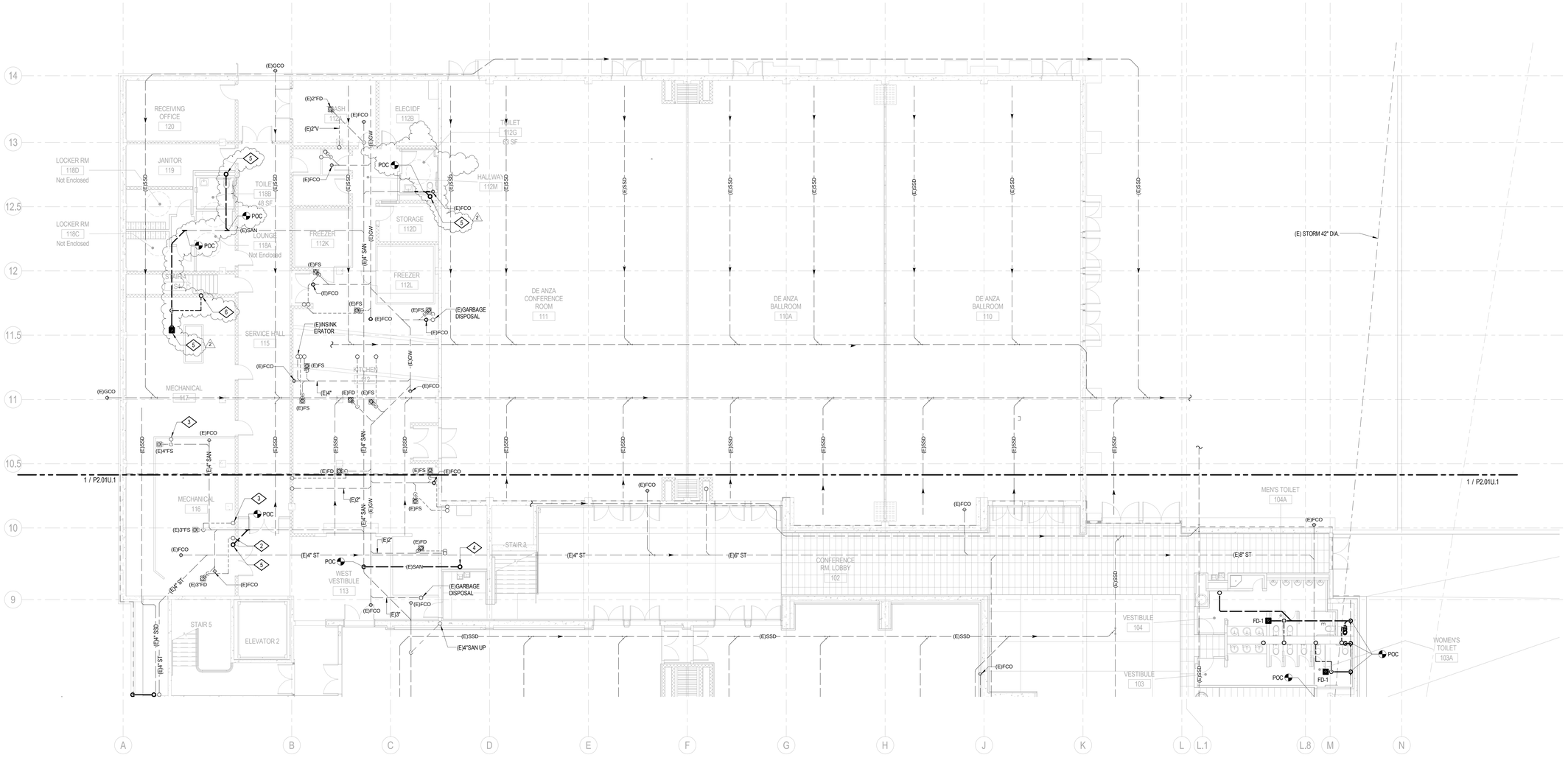
Approved as to Form CAO RISK
Agreement #: Ag-5097 - Page 375 of 429

NUMBERED NOTES:

1. (E)4"SAN UP & DN
2. (E)3"V UP
3. (E)2"V UP
4. 2"SAN UP
5. 4"SAN UP
6. 2"V UP

SHEET NOTES:

A. PRIOR TO DRILLING OR CORING INTO ANY EXISTING TO REMAIN CONCRETE, EXISTING REBAR AND PT TENDONS SHALL BE LOCATED BY SCANNING. SUBMIT SHOP DRAWINGS SHOWING THE COORDINATED LOCATIONS OF OPENINGS AND ANCHORS TO AVOID DAMAGING EXISTING REBAR AND PT TENDONS. CORING OF POST-TENSION CONCRETE WILL NOT BE PERMITTED WITHOUT THE REVIEW OF THE ARCHITECT. REFER TO DETAIL 11/S6.00 AND DETAIL 14/S5.19 FOR OTHER REQUIREMENTS OF PT SLAB PENETRATIONS.



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ONE PORTOLA PLAZA

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CITY HALL

580 PACIFIC STREET, MONTEREY, CA 93940
TEL: (831) 646-5601

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405 Howard St., Suite 500
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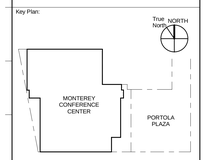
No.	Description:	Date:
	30% SUBMITTAL	20 FEB 2015
	60% PROJECT COMPLETION	15 MAY 2015
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015
2	ADDENDUM 2	18 SEPT 2015

Key Plan:



Seal & Signature:

REGISTERED PROFESSIONAL ENGINEER
JOJI THOMAS
No. M35886
MECHANICAL
STATE OF CALIFORNIA

Sheet Name:

PLUMBING PLAN - UNDERGROUND - NORTH

Project No.: Project Number	Sheet No.: P2.01U.2
Drawn By: Author	
Checked By: Checker	
Scale: 1/8" = 1'-0"	

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Agreement #: Ag-5097 - Page 375 of 429

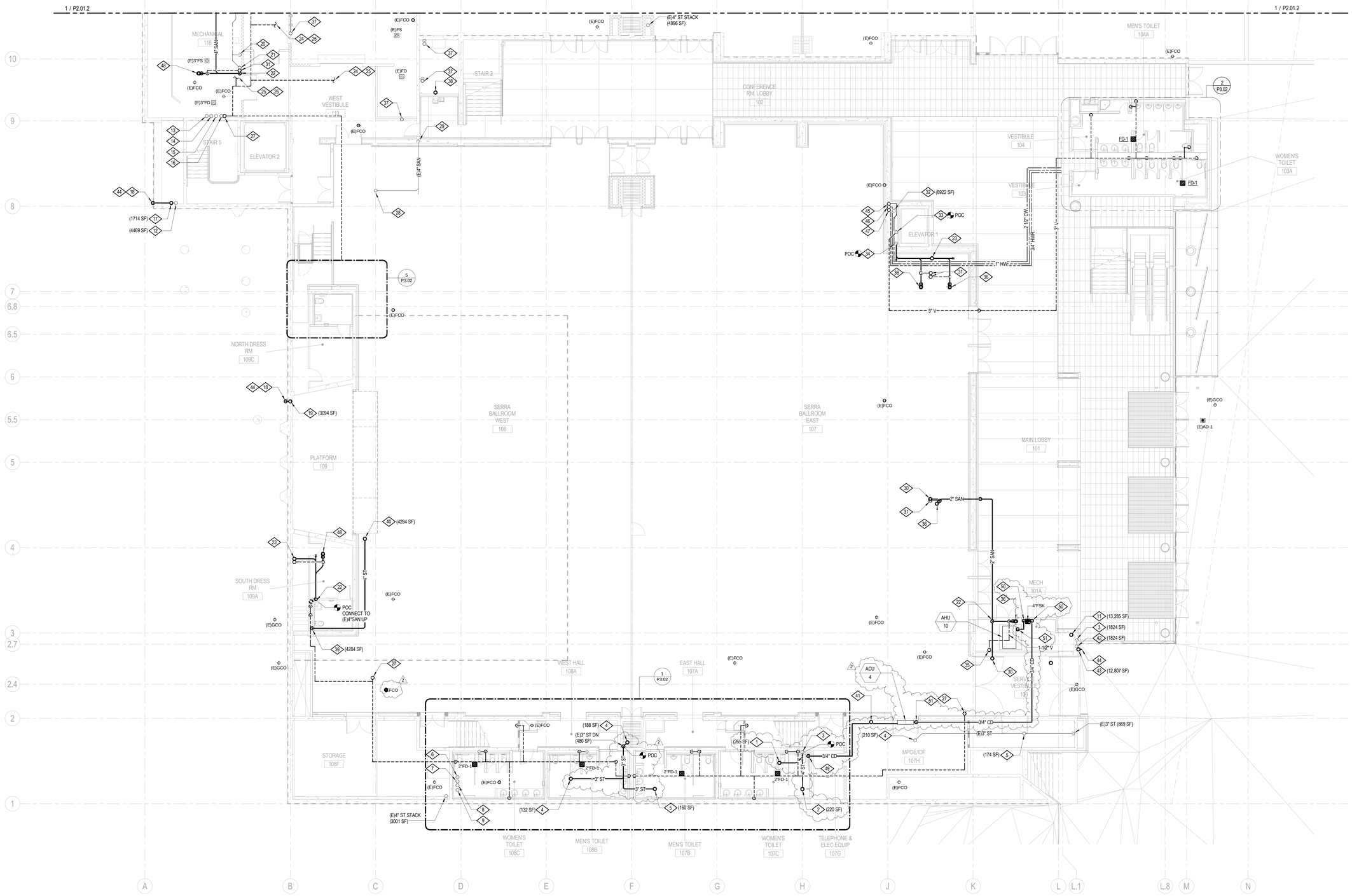
2/5/2015 9:55:34 AM

NUMBERED NOTES:

1. (E)4"ST UP FROM (E) AREA DRAIN
2. (E)4"ST UP FROM (E) PLANTER DRAIN
3. (E)4"ST DN
4. (E)3"ST UP FROM (E) AREA DRAIN
5. (E)3"ST UP FROM (E) PLANTER DRAIN
6. (E)2-1/2"CW FROM ABOVE
7. (E)1"HW FROM ABOVE
8. (E)3/4"HWR FROM ABOVE
9. (E)2"HW FROM ABOVE
10. (E)3/4"HB
11. 6"ST UP&DN
12. (E)4"ST UP&DN
13. (E)3"CW FROM ABOVE
14. (E)2"HW FROM ABOVE
15. (E)2-1/2"G FROM ABOVE
16. (E)1"HWR FROM ABOVE
17. 3"OST UP
18. 3"OST DN
19. 4"OST UP
20. (E)2"V DN
21. (E)3"V UP
22. 4"SAN DN
23. 4"SAN UP
24. 2"V CONNECTION FOR PLUMBING FIXTURE
25. THE CONDITION OF THE PIPE & LOCATION SHALL BE FIELD VERIFIED AND OF DEMOLITION OR REUSING THE EXISTING PIPE SHALL BE COORDINATED WITH THE ENGINEER PRIOR TO START CONSTRUCTION.
26. 3"V CONNECTION FOR PLUMBING FIXTURE
27. 4"V UP
28. (E)4"SAN UP
29. (E)4"SAN DN
30. 2"SAN UP
31. 2"V UP
32. (E)6" ST STACK
33. (E)3"V RISER
34. (E)4"SAN STACK
35. 3"V UP&DN
36. 2"SAN UP FROM FLOOR SINK
37. (E)2"V UP
38. 1-1/2"V UP
39. 4"ST DN
40. 4"ST UP
41. 4"ST UP& DN
42. (E)4"ST UP
43. 6"OST UP
44. TERMINATE 6" ABOVE FINISHED GRADE LEVEL. PROVIDE DOWN SPOUT COVER SIMILAR TO 1775 BY J.R. SMITH.
45. 2-1/2"CW UP
46. 1"HW UP
47. 3/4"HWR UP
48. 4"SAN UP W/ TRAP
49. TERMINATE 0.5" BELOW CEILING
50. 3/4"CD DROP & SPILL TO FLOOR SINK WITH AIRGAP
51. 3/4"CD TO MECHANICAL EQUIPMENT

SHEET NOTES:

A. PRIOR TO DRILLING OR CORING INTO ANY EXISTING TO REMAIN CONCRETE, EXISTING REBAR AND PT TENDONS SHALL BE LOCATED BY SCANNING. SUBMIT SHOP DRAWINGS SHOWING THE COORDINATED LOCATIONS OF OPENINGS AND ANCHORS TO AVOID DAMAGING EXISTING REBAR AND PT TENDONS. CORING OF POST-TENSION CONCRETE WILL NOT BE PERMITTED WITHOUT THE REVIEW OF THE ARCHITECT. REFER TO DETAIL 11/S6.00 AND DETAIL 14/S5.19 FOR OTHER REQUIREMENTS OF PT SLAB PENETRATIONS.



1 LEVEL 1- PLUMBING PLAN - SOUTH
1/8" = 1'-0"

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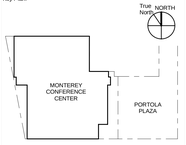
2	ADDENDUM 2	18 SEPT 2015

Key Plan:


Seal & Signature:
REGISTERED PROFESSIONAL ENGINEER
JOJI THOMAS
No. M35886
MECHANICAL
STATE OF CALIFORNIA

Sheet Name:
PLUMBING PLAN - LEVEL 01 - SOUTH

Project No.: Project Number
Drawn By: Author
Checked By: Checker
Scale: 1/8" = 1'-0"
Sheet No.: P2.01.1

Approved as to Form CAO RISK

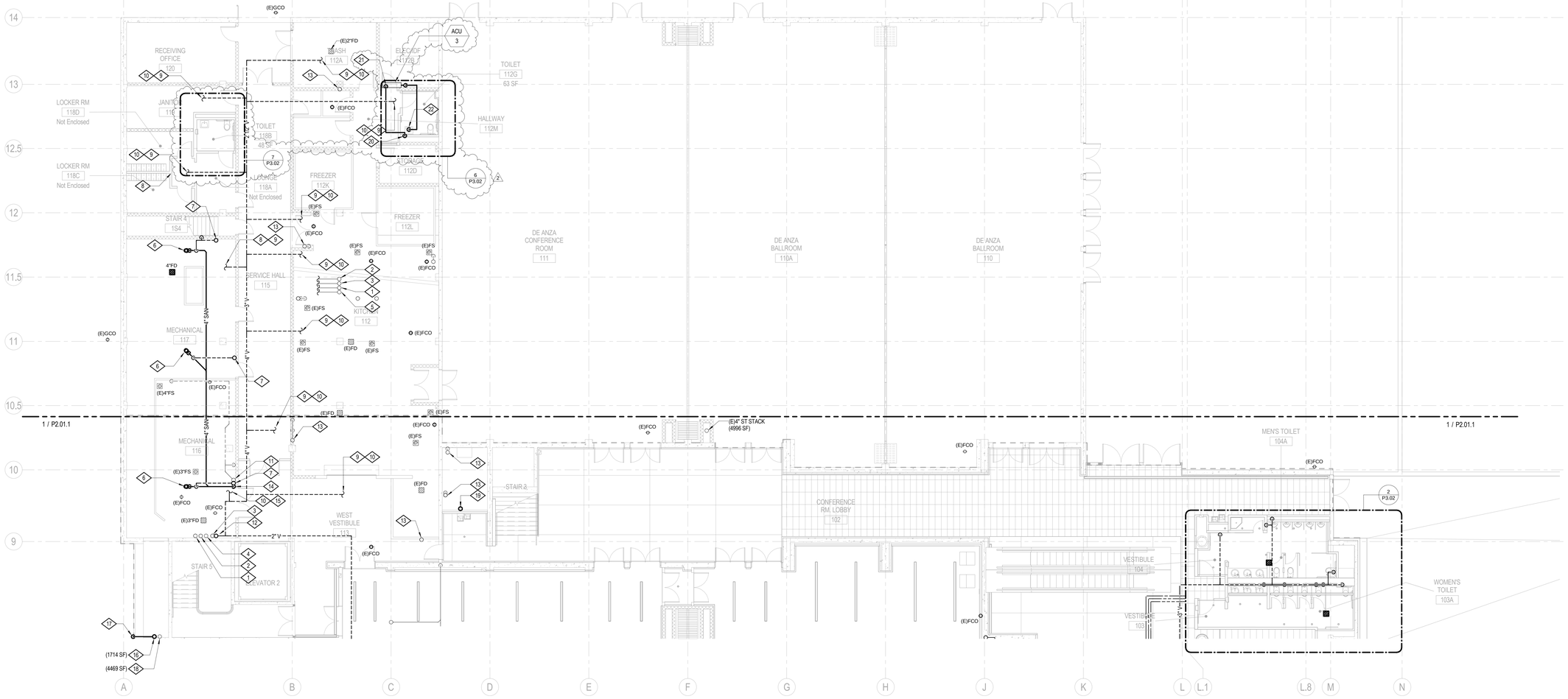
2/6/2015 3:03:29 AM

NUMBERED NOTES:

1. (E)3"CW DN
2. (E)2"HW DN
3. (E)1"HWR DN
4. (E)2-1/2"G DN
5. (E)1-1/2"G DN
6. 4"SAN UP W/ TRAP
7. 2"V UP
8. 4"SAN DN & 2"V UP
9. 2"V CONNECTION FOR PLUMBING FIXTURE
10. THE CONDITION OF THE PIPE & LOCATION SHALL BE FIELD VERIFIED AND OF DEMOLITION OR REUSING THE EXISTING PIPE SHALL BE COORDINATED WITH THE ENGINEER PRIOR TO START CONSTRUCTION.
11. (E)3"V UP
12. 4"V UP
13. (E)2"V UP
14. 4"SAN STACK
15. 3"V CONNECTION FOR PLUMBING FIXTURE
16. 3"OST UP
17. 3"OST TERMINATE EXTERIOR WALL ABOVE GRADE AND VISIBLE.
18. (E)4"ST UP&DN
19. 1-1/2"V UP
20. 3/4"CD DROP & SPILL TO LAV TAILPIECE. PROVIDE AIRGAP FITTING
21. 3/4"CD TO MECHANICAL EQUIPMENT
22. TERMINATE SECONDARY CD 0.5" BELOW CEILING

SHEET NOTES:

A. PRIOR TO DRILLING OR CORING INTO ANY EXISTING TO REMAIN CONCRETE, EXISTING REBAR AND PT TENDONS SHALL BE LOCATED BY SCANNING. SUBMIT SHOP DRAWINGS SHOWING THE COORDINATED LOCATIONS OF OPENINGS AND ANCHORS TO AVOID DAMAGING EXISTING REBAR AND PT TENDONS. CORING OF POST-TENSION CONCRETE WILL NOT BE PERMITTED WITHOUT THE REVIEW OF THE ARCHITECT. REFER TO DETAIL 11/S6.00 AND DETAIL 14/S5.19 FOR OTHER REQUIREMENTS OF PT SLAB PENETRATIONS.



1 LEVEL 1- PLUMBING PLAN - NORTH
1/8" = 1'-0"

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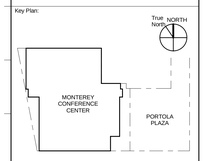
Key Plan:



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REGISTERED PROFESSIONAL ENGINEER
JOJI THOMAS
No. M35886
MECHANICAL
STATE OF CALIFORNIA

Sheet Name:

PLUMBING PLAN - LEVEL 01 - NORTH

Project No.:	Sheet No.:
Project Number	P2.01.2
Drawn By: Author	
Checked By: Checker	
Scale: 1/8" = 1'-0"	

2/20/2015 10:02:39 AM

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NUMBERED NOTES:

1. 3"CW DN
2. 2"HW DN
3. 1"HWR DN
4. 2-1/2"G DN
5. 3"ST UP FROM (N) AREA DRAIN
6. (E)3"ST UP FROM (E) PLANTER DRAIN
7. 3"ST UP
8. 6"ST UP
9. 6"ST DN
10. (E)4"ST DN & 3"ST UP
11. (E)4"ST DN
12. 3"ST UP FROM (N) PLANTER DRAIN
13. (E)3"ST UP FROM (E) AREA DRAIN
14. 4"ST UP
15. (E)6"COMBINED ST & OST
16. 3"OST UP&DN
17. 4"ST UP&DN
18. 4"OST UP&DN
19. 6"ST UP&DN
20. 6"OST UP&DN
21. 4"ST DN
22. 2"V DROP
23. 3"V UP
24. 4"SAN UP
25. 4"SAN DN
26. 4"SAN DN CONNECT TO (E)4"SAN UP
27. 2"SAN UP
28. 2"V UP
29. 4"V UP
30. CONNECT 3"V TO (E)3"V RISER
31. CONNECT 3"ST TO (E)3"ST STACK
32. 3"V DN
33. 2"V DN
34. 1-1/2V DN
35. 4"V DN
36. 4"V DROP
37. 3"V DROP
38. 4"OST DN
40. 4"OST UP
41. 3"OST UP
42. 4"ST DN CONNECT TO (E)4"ST UP
43. 6"OST DN
2 42. 3/4"CD DROP & SPILL TO SINK PROVIDE AIRGAP

SHEET NOTES:

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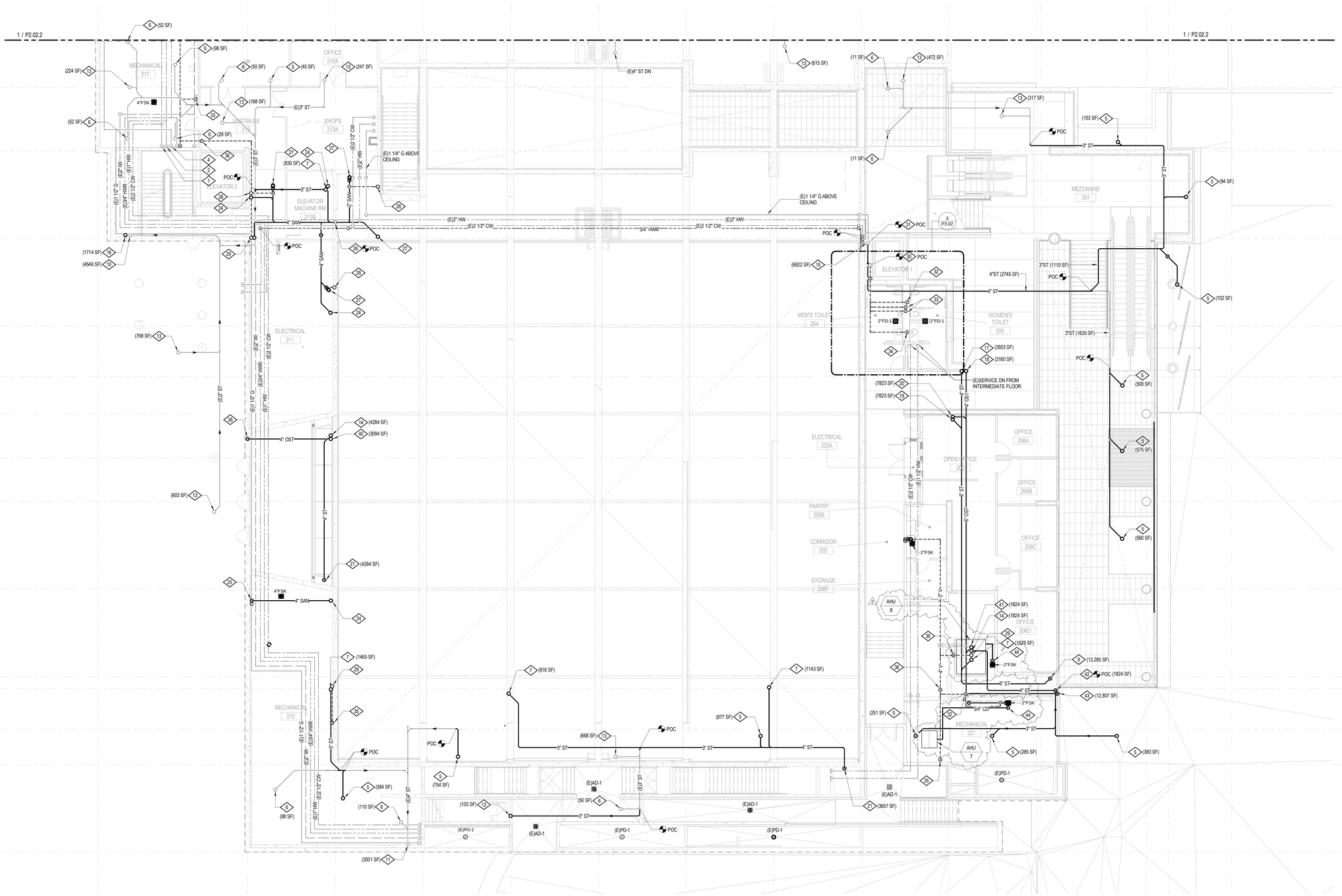

1 MEZZANINE LEVEL- PLUMBING PLAN
1/8" = 1'-0"

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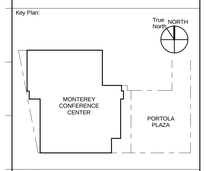

Seal & Signature:

REGISTERED PROFESSIONAL ENGINEER
JOJI THOMAS
No. M35886
MECHANICAL
STATE OF CALIFORNIA

Sheet Name:

PLUMBING PLAN - MEZZANINE LEVEL - SOUTH

Project No.: Project Number	Sheet No.: P2.02.1
Drawn By: Author	
Checked By: Checker	
Scale: 1/8" = 1'-0"	

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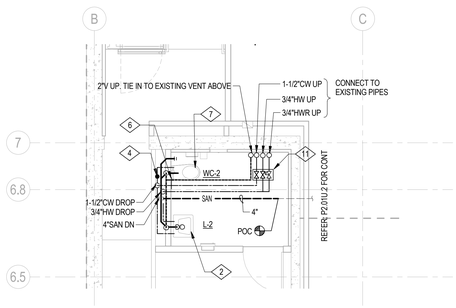
CAO RDK
Agreement #: Ag-5097 - Page 375 of 329

NUMBERED NOTES:

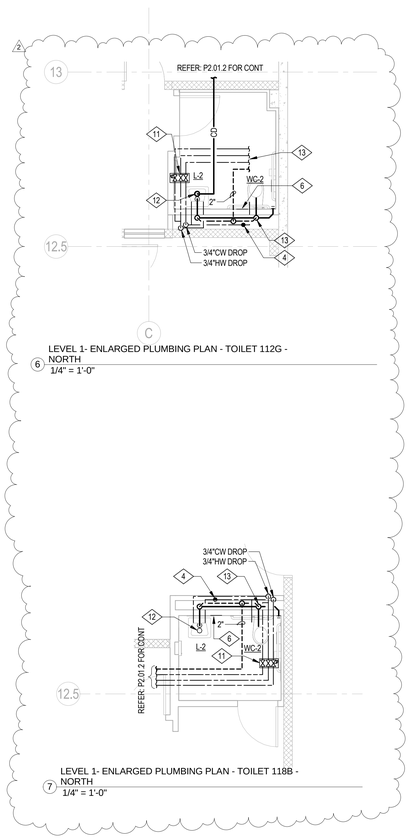
1. MOP SINK, 3"SAN DN, 2"V, ½"HW & CW CONNECTIONS
2. LAVATORY, 2"SAN, 2"V, ½"HW & CW CONNECTIONS
3. FLOOR DRAIN, 2"SAN DN, 2"V, ½"TP CONNECTION. PROVIDE TRAP PRIMER TO ALL FDs
4. SHOCK ARRESTOR.
5. TRAP PRIMER VALVE, ½"CW CONNETION.
6. WALL ACCESS PANEL.
7. WATER CLOSET, 4"SAN, 2"V, 1-1/2"CW CONNECTION.
8. URINAL, 2"SAN, 2"V, 3/4"CW CONNECTION.
9. DRINKING FOUNTAIN, 2"SAN DN, 2"V, 3/4"CW CONNECTION.
10. HW DROP IN THE CHASE.
11. ACCESS PANEL. COORDINATE FINAL LOCATIONS AT SITE
12. TERMINATE SECONDARY CD 0.5" BELOW CEILING
13. CONNECT TO EXISTING PIPING

SHEET NOTES:

A. REPLACE ALL EXISTING SPRINKLER HEADS WITH NEW SPRINKLER HEADS. REFER TO LATEST REFLECTED CEILING PLANS FOR NEW SPRINKLER HEAD LOCATIONS AND SPECIFICATION SECTION 211319 2.5 B FOR SPRINKLER HEAD FINISHES. USE QUICK RESPONSE EXTENDED COVERAGE ORDINARY HAZARD EXTRA-LARGE ORIFICE SPRINKLERS SIMILAR TO VIKING SIN VK 532 AND VIKING SIN VK 534 IN AUTOMOBILE DISPLAY AREAS.

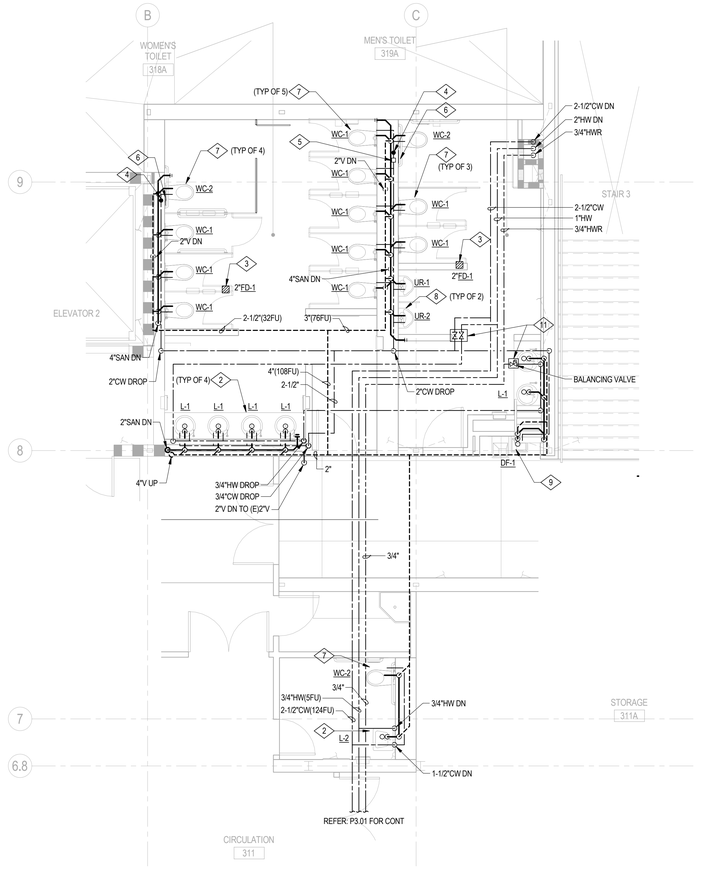


LEVEL 1 - ENLARGED PLUMBING PLAN - TOILET ROOM 1 - SOUTH
1/4" = 1'-0"

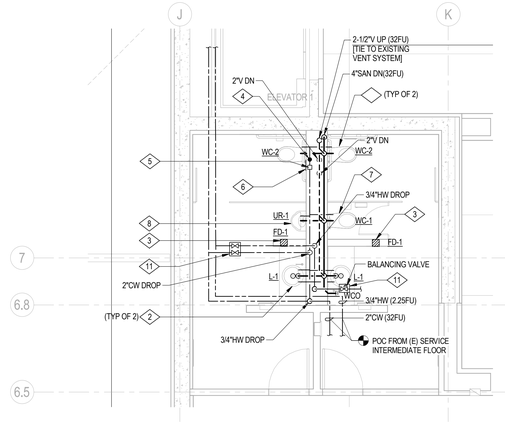


LEVEL 1- ENLARGED PLUMBING PLAN - TOILET 112G - NORTH
1/4" = 1'-0"

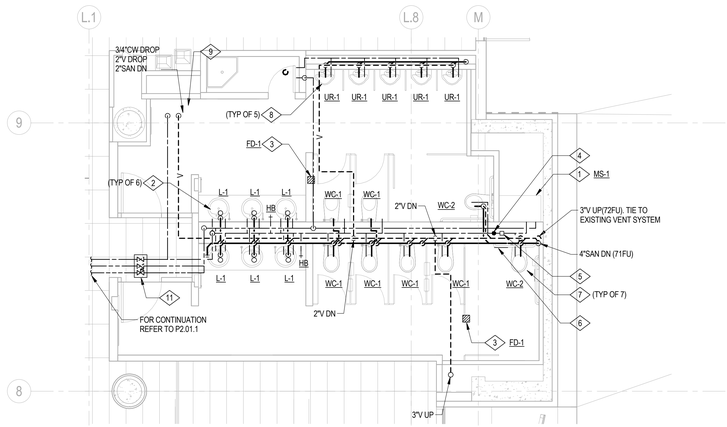
LEVEL 1- ENLARGED PLUMBING PLAN - TOILET 118B - NORTH
1/4" = 1'-0"



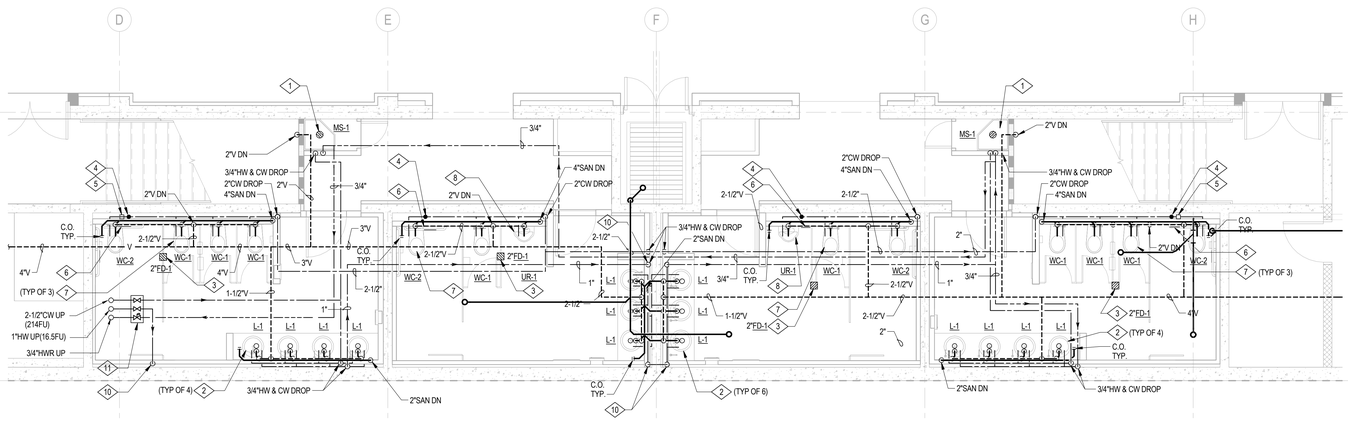
LEVEL 2 - ENLARGED PLUMBING PLAN - RESTROOM & TOILET ROOM - SOUTH
1/4" = 1'-0"



MEZZANINE LEVEL- ENLARGED PLUMBING PLAN -RESTROOM - SOUTH
1/4" = 1'-0"



LEVEL 1 - ENLARGED PLUMBING PLAN - RESTROOM - NORTH
1/4" = 1'-0"



LEVEL 1 - ENLARGED PLUMBING PLAN - RESTROOM - SOUTH
1/4" = 1'-0"

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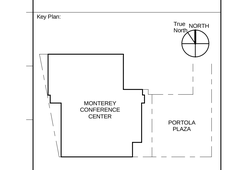
2	ADDENDUM 2	18 SEPT 2015

Key Plan:



Seal & Signature:

REGISTERED PROFESSIONAL ENGINEER
JOJI THOMAS
No. M35886
MECHANICAL
STATE OF CALIFORNIA

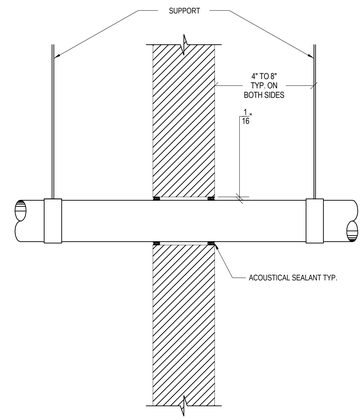
Sheet Name:

PLUMBING ENLARGED PLANS

Project No.:	Sheet No.:
Project Number	P3.02
Drawn By: Author	
Checked By: Checker	
Scale: 1/4" = 1'-0"	

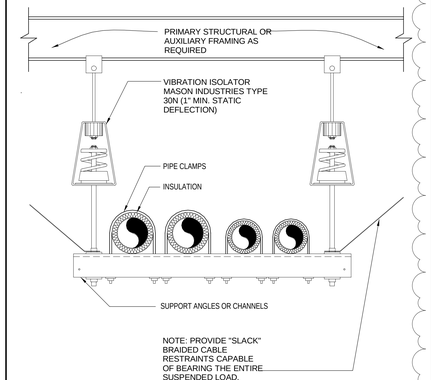
Agreement #: Ag-5097 - Page 376 Approved as to Form CAO Note 29

2/2015 7:56:13 AM

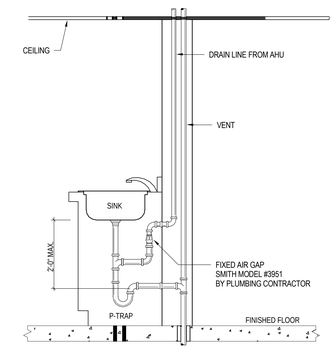


(PIPE 3" DIAMETER OR LESS)

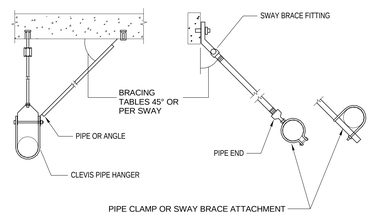
7 TYPICAL PIPE PENETRATION THROUGH SOUND-RATED CONSTRUCTION — NO SCALE



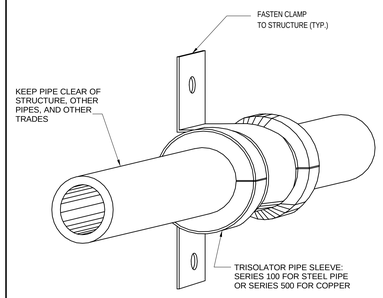
4 TRAPEZE PIPING OR EQUIPMENT SUPPORT — NO SCALE



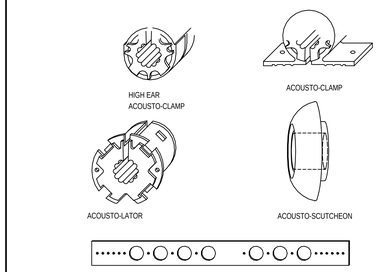
1 INDIRECT DRAIN DETAIL-AHU — NO SCALE



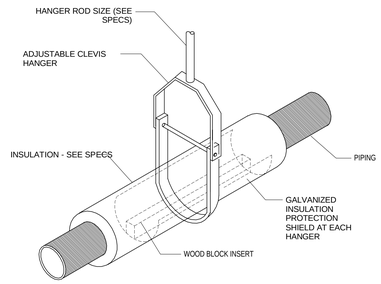
8 SWAY BRACING DETAIL — NO SCALE



5 ATTACHMENT OF PLUMBING PIPES GREATER THAN 1~4" DIAMETER — NO SCALE



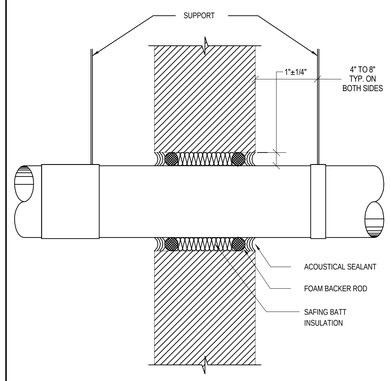
2 ACOUSTO - PLUMBING SYSTEM COMPONENTS — NO SCALE



NOTE:

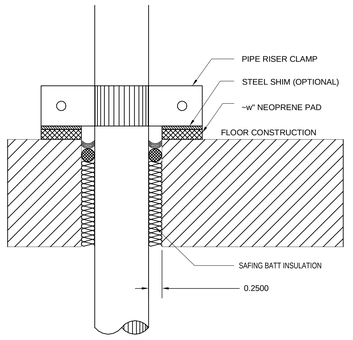
1. SEE STRUCTURAL DRAWINGS FOR HANGER ROD CONNECTION TO STRUCTURE

9 PIPE HANGER AND INSULATION DETAIL — NO SCALE



(PIPE 3" DIAMETER. OR GREATER)

6 TYPICAL PIPE PENETRATION THROUGH SOUND-RATED CONSTRUCTION — NO SCALE



NOTE: LOCATE PIPING 1~8" MIN. CLEARANCE OF GYPSUM BOARD

3 PIPE ISOLATION AT FLOOR FOR WASTE PIPES AND RAIN LEADERS — NO SCALE

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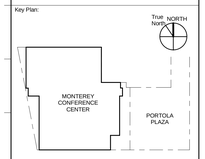
2	ADDENDUM 2	18 SEPT 2015

Key Plan:



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PLUMBING DETAILS

Project No.:	Sheet No.:
Project Number	P5.01
Drawn By: Author	
Checked By: Checker	
Scale: NTS	

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FIRE PROTECTION LEGEND AND ABBREVIATIONS

ABBREVIATIONS - PLUMBING

AD	AREA DRAIN
AFF	ABOVE FINISHED FLOOR
AP	ACCESS PANEL
BLDG	BUILDING
BOB	BOTTOM OF BEAM
BOP	BOTTOM OF PIPE
BT	BATH TUB
BV	BALANCING VALVE
CD	CONDENSATE DRAIN
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CFS	CUBIC FEET PER SECOND
CI	CAST IRON
CLG	CEILING
CO	CLEANOUT
CONN	CONNECTION
CONT	CONTINUATION
CP	CIRCULATING PUMP
CV	CHECK VALVE
CW	COLD WATER
DF	DRINKING FOUNTAIN
DFU	DRAINAGE FIXTURE UNIT
DIA	DIAMETER
DN	DOWN
DR	DRAIN
DROP	DROP (WITHIN FLOOR)
DWG	DRAWING
(E)	EXISTING TO REMAIN
EL	ELEVATION
ET	EXPANSION TANK
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FHV	FIRE HOSE VALVE
FL	FLOOR
FS	FLOW SWITCH
FSK	FLOOR SINK
FSP	FIRE STANDPIPE
FT	FEET
FU	FIXTURE UNIT
G	(LOW PRESSURE) NATURAL GAS
GAL	GALLONS
GD	GARAGE DRAIN
GPM	GALLONS PER MINUTE
GWH	GAS WATER HEATER
GWS	GRAY WATER SYSTEM
GW	GREASE WASTE
GV	GATE VALVE
HB	HOSE BIBB
HD	HUB DRAIN
HT	HEAT TRACING
HW	HOT WATER
HWR	HOT WATER RETURN
HX	HEAT EXCHANGER
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
IN	INCH
IW	INDIRECT WASTE
JS	JANITOR SINK
L	LAVATORY
MAX	MAXIMUM
MG	MEDIUM PRESSURE GAS
MIN	MINIMUM
MS	MOP SINK

ABBREVIATIONS - PLUMBING

NO	NORMALLY OPEN
NPW	NON-POTABLE WATER
OD	OUTSIDE DIAMETER
OFD	OVERFLOW DRAIN
OST	OVERFLOW STORM PIPING
OS&Y	OUTSIDE SCREW & YOKE GATE VALVE
PD	PUMP DISCHARGE
P/FT	PITCH PER FOOT
POC	POINT OF CONNECTION
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH (GAUGE)
RC	ROOF RECEPTOR
RD	ROOF DRAIN
RISE	RISE (WITH IN FLOOR)
SA	SHOCK ABSORBER
SAN	SANITARY
SF	SQUARE FEET
SHWR	SOFT HOT WATER RETURN
SK	SINK
SPKR	SPRINKLER
(E)SSD	SUB SURFACE DRAIN TO REMAIN
SSD	SUB SURFACE DRAIN
ST	STORM PIPING
TD	TRENCH DRAIN
TDH	TOTAL DISCHARGE HEAD
TMV	TEMPERATURE MIXING VALVE
TOP	TOP OF PIPE
TOS	TOP OF SLAB
TP	TRAP PRIMER
TPV	TRAP PRIMER VALVE
TS	TAMPER SWITCH
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
UP	UP (PENETRATES FLOOR SLAB)
UR	URINAL
V	VENT
VR	VENT RISE
VTR	VENT THROUGH ROOF
WC	WATER CLOSET
WCO	WALL CLEANOUT
WH	WALL HYDRANT
WF	WATER FILTER
WFU	WATER FIXTURE UNIT
(X)	DEMOLISH
Z	ZONE

SYMBOL LEGEND

	Y STRAINER WITH BLOW OFF VALVE
	FLEXIBLE CONNECTION
	SEISMIC JOINT
	SHOCK ABSORBER
	VACUUM BREAKER
M	MANUAL AIR VENT
A	AUTOMATIC AIR VENT
	PRESSURE GAUGE AND COCK
	THERMOMETER
	WATER FLOW SWITCH
	VALVE (SPECIFICATION FOR TYPE)
	CHECK VALVE
	CHECK VALVE WITH ABD
	SOLENOID VALVE
	PRESSURE REDUCING VALVE
	OS&Y (OUTSIDE SCREW & YOKE) VALVE
	AUTOMATIC FLOW CONTROL VALVE
	BUTTERFLY VALVE (MANUAL)
	GLOBE VALVE
	CALIBRATED BALANCING VALVE
	BALANCING VALVE
	VALVE WITH TAMPER SWITCH
	GAS COCK VALVE
	SEISMIC VALVE
	RELIEF VALVE
	ANGLE RELIEF VALVE
	TEMPERATURE MIXING VALVE
	UNION
	REDUCER
	ECCENTRIC REDUCER (E.R.)
	SLEEVE
	PUMP
M	METER
	HOSE BIBB
	WATER HAMMER ARRESTER
	FLOOR DRAIN, AREA DRAIN, PLANT DRAIN, GARAGE DRAIN
	FLOOR SINK
	ROOF RECEPTOR
	ROOF DRAIN
	OVERFLOW ROOF DRAIN
	POINT OF CONNECTION (NEW TO EXISTING)
	FIRE HOSE VALVE
	SPRINKLER FLOOR CONTROL VALVE ASSEMBLY
T	TAMPER SWITCH
S	SMOKE DETECTOR ABOVE FLOOR
S	SMOKE DETECTOR BELOW FLOOR
RPBP	REDUCED PRESSURE BACKFLOW PREVENTER ASSEMBLY

SYMBOL LEGEND

	BOTTOM PIPE CONNECTION
	TOP PIPE CONNECTION
	VALVE IN VERTICAL
	P-TRAP
	FLOOR CLEANOUT/GRADE CLEANOUT
	CLEANOUT/PLUG
	PIPE DOWN
	PIPE UP
	CAP
	CHANGE IN PIPE ELEVATION
	ARROW INDICATES DIRECTION OF FLOW
	PITCH PIPE DOWN IN DIRECTION OF ARROW
	INSULATED AND HEAT TRACED PIPING
	FRESH AIR INLET
	WALL HYDRANT

PIPING LEGEND

FIRE PROTECTION

F	FIRE WATER SUPPLY
SP	SPRINKLER PIPING
FSP	FIRE STANDPIPE
DR	SPRINKLER DRAIN PIPING

MISCELLANEOUS

P 1	P = SAN, VENT STACK OR DOMESTIC WATER RISER ST = STORM DRAIN LEADER RISER F = FIRE STANDPIPE RISER RISER RISER NO.
CP 1	EQUIPMENT DESIGNATION EQUIPMENT EQUIPMENT NO.
1 P2.1	DETAIL DESIGNATION DETAIL NUMBER DWG. SHEET NO.
1	SHEET NOTE NUMBER
1	REVISION NUMBER

DRAWING LIST

FP0.01	FIRE PROTECTION, ABBREVIATIONS AND DRAWING LIST
FPD2.01.1	FIRE PROTECTION LEVEL 01 DEMOLITION PLAN - SOUTH
FPD2.01.2	FIRE PROTECTION LEVEL 01 DEMOLITION PLAN - NORTH
FPD2.02.1	FIRE PROTECTION MEZZANINE LEVEL DEMOLITION PLAN - SOUTH
FPD2.02.2	FIRE PROTECTION MEZZANINE LEVEL DEMOLITION PLAN - NORTH
FPD2.03.1	FIRE PROTECTION LEVEL 02 DEMOLITION PLAN - SOUTH
FPD2.03.2	FIRE PROTECTION LEVEL 02 DEMOLITION PLAN - NORTH
FP2.01.1	FIRE PROTECTION PLAN - LEVEL 01 - SOUTH
FP2.01.2	FIRE PROTECTION PLAN - LEVEL 01 - NORTH
FP2.02.1	FIRE PROTECTION PLAN - MEZZANINE LEVEL - SOUTH
FP2.02.2	FIRE PROTECTION PLAN - MEZZANINE LEVEL - NORTH
FP2.03.1	FIRE PROTECTION PLAN - LEVEL 02 - SOUTH

FIRE PROTECTION GENERAL NOTES

A. THE CONTRACTOR FOR THIS DIVISION OF WORKS IS REQUIRED TO READ THE REPORTS, SPECIFICATIONS AND REVIEW DRAWINGS FOR ALL DIVISIONS OF WORK AND IS RESPONSIBLE FOR THE COORDINATION OF THIS WORK AND THE WORK ALL SUBCONTRACTORS WITH ALL DIVISIONS OF WORK. IT IS CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL SUBCONTRACTOR'S WITH A COMPLETE SET OF BID DRAWINGS.

B. THE INFORMATION ON THESE PLANS IS SHOWN TO PROVIDE SCOPE FOR THE DESIGN BUILD FIRE PROTECTION CONTRACTOR. FIRE PROTECTION CONTRACTOR IS TO PROVIDE HYDRAULICALLY CALCULATED DESIGN.

C. SPRINKLER HEADS SHALL BE COORDINATED WITH THE LIGHTING FIXTURES AND MECHANICAL DIFFUSERS. SPRINKLER HEAD AND FRAME ALIGNMENT IS REQUIRED IN ALL AREAS. ALL SPRINKLER HEADS ARE TO BE LOCATED AT THE CENTER OF THE CEILING TILE. PRIOR TO INSTALLATION SPRINKLER FINAL FINISH IS SUBJECT TO ARCHITECT'S APPROVAL. MISMATCHED POSITIONING OF SPRINKLER HEADS WILL NOT BE AN ACCEPTABLE STANDARD TO THE BUILDING.

D. SPRINKLER PIPING LAYOUT MUST BE COORDINATED WITH ALL OTHER TRADES.

E. SPRINKLERS SHALL ONLY BE PAINTED BY THE SPRINKLER MANUFACTURER.

F. WHERE SPRINKLERS HAVE HAD PAINT APPLIED BY OTHER THAN THE SPRINKLER MANUFACTURER, THEY SHALL BE REPLACED WITH NEW LISTED SPRINKLERS OF THE SAME CHARACTERISTICS, INCLUDING ORIFICE SIZE, THERMAL RESPONSE, AND WATER DISTRIBUTION.

G. ESCUTCHEONS SHALL BE PART OF A LISTED SPRINKLER ASSEMBLY.

H. COVER PLATES USED WITH CONCEALED SPRINKLERS SHALL BE PART OF THE LISTED SPRINKLER ASSEMBLY.

I. DURING CONSTRUCTION FOR THE TEMPORARY CONDITION OF PROTECTING NEWLY INSTALLED SPRINKLERS IN AREAS WHERE THE CEILINGS, ROOMS OR FIXTURES WILL BE PAINTED AN ORANGE PROTECTIVE CUP THAT PROTECTS THE GLASS BULB FROM DAMAGE FOR ALL SPRINKLERS SHALL COME FROM THE FACTORY.

J. THE CONDITION OF ALL SPRINKLERS MUST BE CONFIRMED AFTER CEILINGS ARE INSTALLED AND ROOMS AND CEILINGS ARE PAINTED. ALSO REMOVE PLASTIC PROTECTIVE COVERS PROVIDED BY THE MANUFACTURERS TO PROTECT SPRINKLER HEADS DURING CONSTRUCTION. USE OF ANY PROTECTIVE COVERING IS EXPRESSLY PROHIBITED.

K. AUTOMATIC SPRINKLER SYSTEMS WILL BE PROVIDED THROUGHOUT ALL PORTIONS OF THE PROJECTS DESIGNED IN ACCORDANCE WITH THE NFPA 13, 2013.

L. CONCEALED SPACES OF EXPOSED COMBUSTIBLE CONSTRUCTION SHALL BE PROTECTED BY SPRINKLERS EXCEPT IN CONCEALED SPACES WHERE SPRINKLERS ARE NOT REQUIRED TO BE INSTALLED BY SECTIONS 8-15-1-2.1 THROUGH 8-15-1.2.16 AND 8.15.6 OF THE NFPA 13, 2013 CONCEALED SPACES FORMED BY NONCOMBUSTIBLE & LIMITED COMBUSTIBILITY CEILINGS SUSPENDED FROM JOIST MUST HAVE SPRINKLER PROTECTION. (2)

M. WET-PIPE HYDRAULICALLY CALCULATED AUTOMATIC SPRINKLER SYSTEM WILL BE PROVIDED THROUGHOUT ENTIRE FLOOR. NEW HYDRAULIC CALCULATIONS SHALL BE SUBMITTED TO FIRE DEPARTMENT, OWNER AND ITS MANAGER BEFORE COMMENCEMENT OF THE WORK WHEN SPRINKLER SYSTEM CHANGES ARE MADE THAT AFFECT PARTIAL OR ENTIRE SYSTEM HYDRAULIC CALCULATION.

N. SPRINKLER PLANS PER CFC 2013 SECTION 903 MUST BE SUBMITTED TO THE FIRE DEPARTMENT. THE SUBMITTAL PACKAGE TO INCLUDE DESIGN PLANS, CALCULATIONS AND EQUIPMENT DATA CUT SHEETS. A COMPLETE SUBMITTAL PACKAGE MUST BE SUBMITTED FOR APPROVAL AND PERMITTING PRIOR TO STARTING ANY SPRINKLER WORK. ALL EXPOSED AREAS MUST HAVE SPRINKLER HEADS LISTED FOR SUCH LOCATIONS.

O. STANDPIPE MUST BE PROVIDED PER CFC 2013 SECTION 905 AND NFPA 14 REQUIREMENTS, AND MUST BE A PART OF THE SPRINKLER SUBMITTALS TO THE FIRE DEPARTMENT FOR APPROVALS. THE SUBMITTAL PACKAGE TO INCLUDE CALCULATIONS AND EQUIPMENT DATA CUT SHEETS. PROVIDE VALVE CONNECTION AT 1ST, MEZZANINE, 2ND, AND ROOF LEVELS.

P. THE FIRE DEPARTMENT CONNECTION MUST MEET CFC 2013 SECTION 912 REQUIREMENTS. , AND MUST BE A PART OF THE SPRINKLER SUBMITTALS TO THE FIRE DEPARTMENT FOR APPROVALS. THE NEW DDCA MUST MEET NFPA13 & NFPA 24 REQUIREMENTS, AND MUST BE A PART OF THE SPRINKLER SUBMITTALS TO THE FIRE DEPARTMENT FOR APPROVALS. UPGRADE SEISMIC BRACING TO MEET NFPA13-2013 CHAPTER 9 REQUIREMENTS AS PER USGS ZONING, PROVIDE CALCULATIONS AS A PART OF THE SPRINKLER SUBMITTALS TO THE FIRE DEPARTMENT FOR APPROVALS.

Q. ALL STAGE AREAS MUST HAVE SPRINKLER PROTECTION AS PER CFC-2013 SECTION 914.6 REQUIREMENTS, AND MUST BE A PART OF THE SPRINKLER SUBMITTALS TO THE FIRE DEPARTMENT FOR APPROVALS. STORAGE ROOMS WITH HIGH PILE STORAGE MUST BE EVALUATED FOR COMMODITY CLASSIFICATIONS. A COMPLETE COMMODITY EVALUATION BY A CA LICENSED FIRE PROTECTION ENGINEER MUST BE SUBMITTED TO THE FIRE DEPARTMENT FOR REVIEW. AN EVALUATION REPORT MUST MEET CFC 2013 CHAPTER 32 REQUIREMENTS. SPRINKLERS IN STORAGE AREA MUST MEET NFPA 13 CHAPTERS 12-THROUGH CHAPTER 17 REQUIREMENTS.

R. HANGERS, BRACING, AND RESTRAINT OF SYSTEM PIPING SHALL BE INSTALLED PER 2013 NFPA 13 CHAPTER 9 AND "PROTECTION OF PIPING AGAINST DAMAGE WHERE SUBJECT TO EARTHQUAKE" (2013 NFPA 13, SECTION 9.3).

S. POWDER DRIVEN ANCHOR PINS IN CONCRETE ARE NOT ALLOWED.

T. ALL JOINTS IN SPRINKLER SYSTEM ARE TO BE MADE WITH VICTAULIC STYLE 77 OR 75 GROOVED COUPLINGS, THREADED, OR WELDED JOINTS. VICTAULIC "ROUST-A-BOUT" STYLE OR PLAIN END COUPLINGS ARE NOT ACCEPTABLE. MECHANICAL TEES SHALL BE VICTAULIC STYLE 920 OR APPROVE EQUAL. VICTAULIC STYLE 921 OR 922 MECHANICAL TEES ARE NOT APPROVED.

U. SHUTTING AND OPENING OF VALVES MUST BE SUPERVISED BY BUILDING ENGINEERS. CONTRACTOR SHALL NOTIFY THE BUILDING ENGINEERING DEPARTMENT, AND COMPLETE A LIFE SAFETY IMPAIRMENT FORM. CONTRACTOR SHALL MAINTAIN ALL SPRINKLER SYSTEMS OPERATIONS IN ALL OTHER BUILDING AREAS.

V. THE CONTRACTOR IS RESPONSIBLE FOR FILING AND OBTAINING ALL APPROVALS, INSPECTIONS AND TESTS RELATIVE TO STAND ALONE LIFE SAFETY SYSTEMS, SECURITY ACCESS SYSTEMS, OR OTHER MATERIALS/SYSTEMS REQUIRING LOCAL LAW COMPLIANCE. COPIES OF ALL APPROVALS FOR THESE SYSTEM MUST BE PROVIDED TO OWNER AND IT'S MANAGER BEFORE CONNECTING AUTHORIZATION IS GIVEN.

W. MODIFICATION TO AN EXISTING SYSTEM WILL REQUIRE SEISMIC UPGRADES TO ALL EXPOSED AND ACCESSIBLE PORTIONS WITHIN THE WORK AREA. THESE UPGRADES SHALL BE TO THE CURRENT NFPA13-2013 AND THE 2013 CBC STANDARDS.

X. RESTORE ENTIRE SPRINKLER SYSTEM TO FULL OPERATION AT THE END OF WORK EACH DAY. AT NO TIME WILL ANY AREA OF THE BUILDING BE WITHOUT SPRINKLER COVERAGE WHEN CONTRACTOR IS NOT ON SITE UNLESS APPROVED BY THE OWNERSHIP.

Y. (2) UPGRADE SEISMIC BRACING TO MEET NFPA 13-2013 CHAPTER 9 REQUIREMENTS AS PER LATEST USGS ZONING DATA. PROVIDE CALCULATION AS A PART OF THE SPRINKLER SUBMITTALS TO THE FIRE DEPARTMENT FOR APPROVALS.

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2	ADDENDUM 2	18 SEPT 2015

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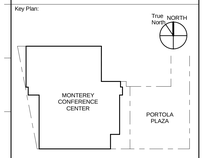

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Sheet Name:

FIRE PROTECTION LEGENDS & ABBREVIATIONS

Project No.: Project Number	Sheet No.: FP0.01
Drawn By: Author	
Checked By: Checker	
Scale: NTS	

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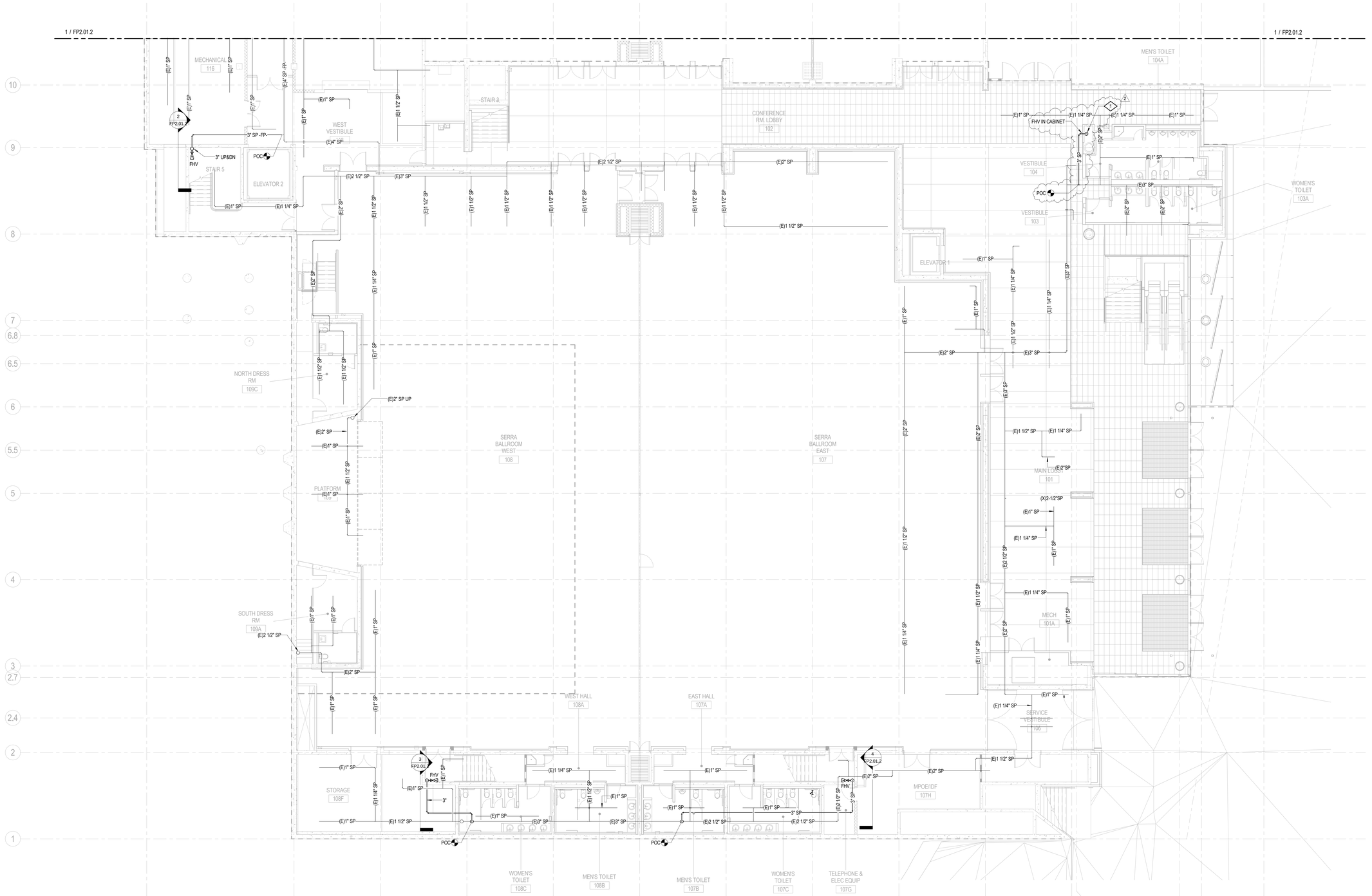
NUMBERED NOTES:

2
1 3"SP DN

SHEET NOTES:

A. REPLACE ALL EXISTING SPRINKLER HEADS WITH NEW SPRINKLERS HEADS. REFER TO LATEST REFLECTED CEILING PLANS FOR NEW SPRINKLER HEAD LOCATIONS AND SPECIFICATION SECTION 211319 2.5 B FOR SPRINKLER HEAD FINISHES. USE QUICK RESPONSE EXTENDED COVERAGE ORDINARY HAZARD EXTRA-LARGE ORIFICE SPRINKLERS SIMILARS TO VIKING SIN 532 AND VIKING SIN VK 534 IN AUTOMOBILE DISPLAY AREAS.



1 LEVEL 1- FIRE PROTECTION PLAN - SOUTH
1/8" = 1'-0"

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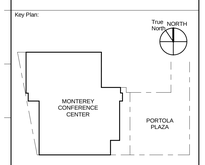

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Sheet Name:
FIRE PROTECTION PLAN - LEVEL 01 - SOUTH

Project No.:	Sheet No.:
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Scale: 1/8" = 1'-0"	

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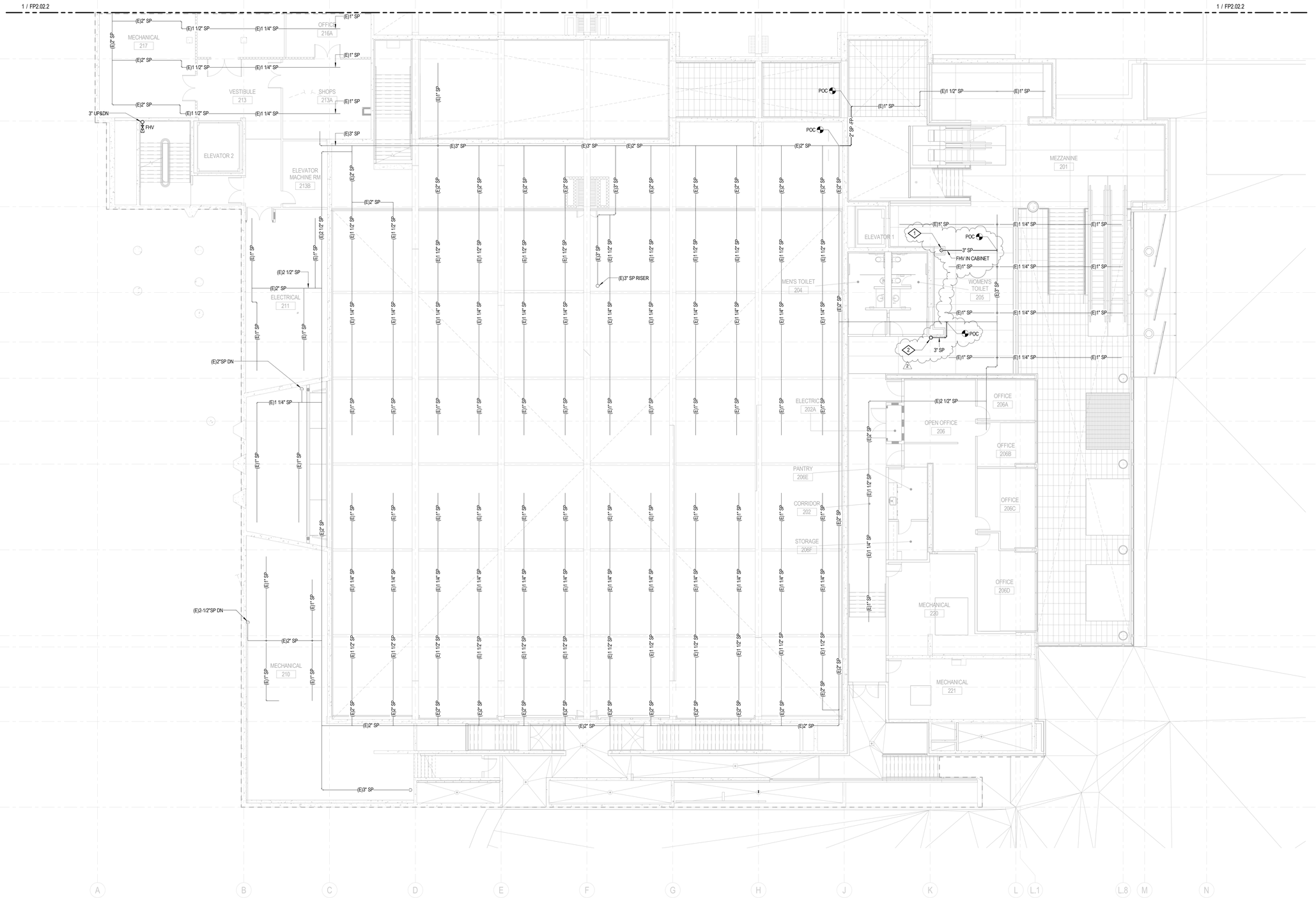
NUMBERED NOTES:

1. 3"SP DN
2. 3"SP UP

SHEET NOTES:

A. REPLACE ALL EXISTING SPRINKLER HEADS WITH NEW SPRINKLERS HEADS. REFER TO LATEST REFLECTED CEILING PLANS FOR NEW SPRINKLER HEAD LOCATIONS AND SPECIFICATION SECTION 211319 2.5 B FOR SPRINKLER HEAD FINISHES. USE QUICK RESPONSE EXTENDED COVERAGE ORDINARY HAZARD EXTRA-LARGE ORIFICE SPRINKLERS SIMILARS TO VIKING SIN 532 AND VIKING SIN VK 534 IN AUTOMOBILE DISPLAY AREAS.



1 MEZZANINE LEVEL- FIRE PROTECTION PLAN - SOUTH
1/8" = 1'-0"

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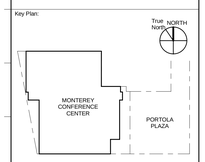

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Sheet Name:

FIRE PROTECTION PLAN - MEZZANINE LEVEL - SOUTH

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Scale:	1/8" = 1'-0"

Sheet No.: FP2.02.1

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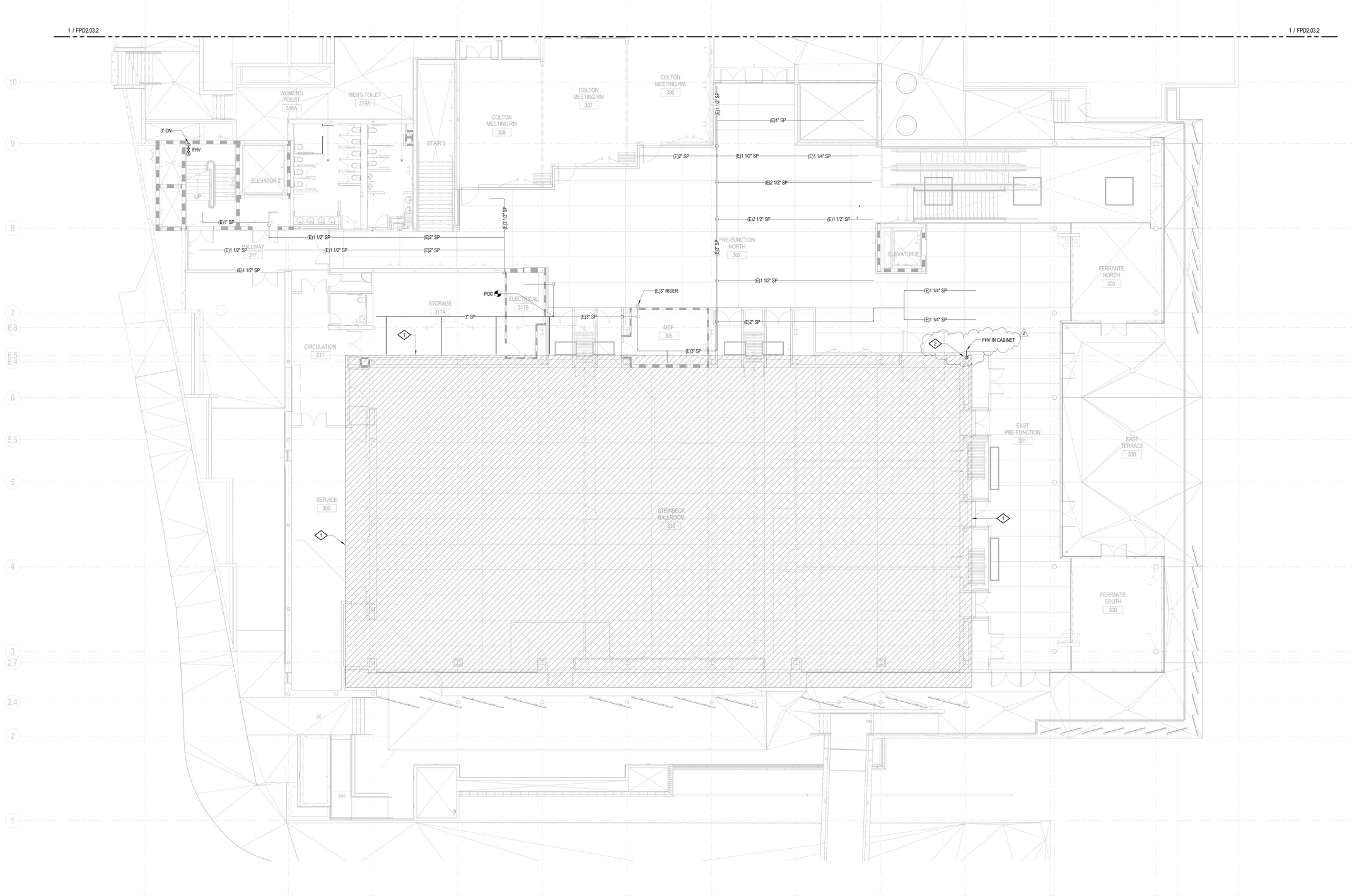
7/2015 7:20:05 PM

NUMBERED NOTES:

1. PROVIDE NEW SPRINKLER PIPING AND SPRINKLER HEADS. COORDINATE WITH RCP AND OTHER SERVICES.
2. 3"SP DN

SHEET NOTES:

A. REPLACE ALL EXISTING SPRINKLER HEADS WITH NEW SPRINKLERS HEADS. REFER TO LATEST REFLECTED CEILING PLANS FOR NEW SPRINKLER HEAD LOCATIONS AND SPECIFICATION SECTION 211319 2.5 B FOR SPRINKLER HEAD FINISHES. USE QUICK RESPONSE EXTENDED COVERAGE ORDINARY HAZARD EXTRA-LARGE ORIFICE SPRINKLERS SIMILARS TO VIKING SIN 532 AND VIKING SIN VK 534 IN AUTOMOBILE DISPLAY AREAS.



1 LEVEL 2 - FIRE PROTECTION PLAN - SOUTH
1/8" = 1'-0"

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL

580 PACIFIC STREET, MONTEREY, CA 93940
TEL: (831) 646-5601

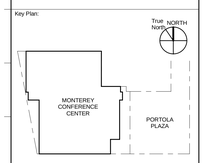
Architect:
SOM
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

Consultants:
WSP
405 Howard St., Suite 500
San Francisco, CA 94105
(415) 398-3833
www.wspgroup.com/usa

Issued For:

No.	Description:	Date:
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015
2	ADDENDUM 2	18 SEPT 2015

Key Plan:



Seal & Signature:

REGISTERED PROFESSIONAL ENGINEER
JOJI THOMAS
No. M35886
MECHANICAL
STATE OF CALIFORNIA

Sheet Name:

FIRE PROTECTION PLAN - LEVEL 02 - SOUTH

Project No.:	Sheet No.:
Project Number	FP2.03.1
Drawn By: Author	
Checked By: Checker	
Scale: 1/8" = 1'-0"	

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Agreement #: Ag-5097 - Page 376 129

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ALL TELECOMMUNICATION OUTLETS IN THIS AREA TERMINATE AT ELEC/IDF 112B (L1B)

1 TT4.11

(2) 4" C SLEEVES TO PORTOLA SERVICE AREA

RECEIVING OFFICE 120

TRASH 112A

L1B ELEC/IDF 112B

TOILET 112G 63 SF

HALLWAY 112M

LOCKER RM 118D Not Enclosed

JANITOR 119

TOILET 118B 48 SF

LOCKER RM 118C Not Enclosed

LOUNGE 118A Not Enclosed

FREEZER 112K

STORAGE 112D

FREEZER 112L

STAIR 4

DE ANZA CONFERENCE ROOM 111

DE ANZA BALLROOM 110A

DE ANZA BALLROOM 110

SERVICE HALL 115

KITCHEN 112

MECHANICAL 117

MECHANICAL 116

STAIR 3

WEST VESTIBULE 113

CONFERENCE RM. LOBBY 102

MEN'S TOILET 104A

VESTIBULE 104

VESTIBULE 103

WOMEN'S TOILET 103A

STAIR 5

ELEVATOR 2

ELEVATOR

NORTH DRESS RM 109C

SERRA BALLROOM WEST 108

SERRA BALLROOM EAST 107

MAIN LOBBY 101

PLATFORM 109

SOUTH DRESS RM 109A

MECH 101A

SERVICE VESTIBULE 106

WEST HALL 108A

EAST HALL 107A

STORAGE 108F

L1A

MPOE/IDF 107H

WOMEN'S TOILET 108C

MEN'S TOILET 108B

MEN'S TOILET 107B

WOMEN'S TOILET 107C

TELEPHONE & ELEC EQUIP 107G

ALL TELECOMMUNICATION OUTLETS IN THIS AREA TERMINATE AT MPOE/IDF 107H (L1A)

1 TT4.10

1 TELECOM FLOOR PLAN - LEVEL 1
3/32" = 1'-0"

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Architect:

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SAN FRANCISCO, CA 94111

Consultants:

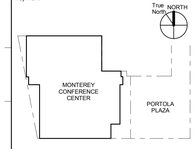
SM&W

SHEN MILSOM WILKE
33 New Montgomery Street
San Francisco, CA 94105
Tel: 415-391-7610

Issued For:

No.	Description:	Date:
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015
1	ADDENDUM 1	11 SEPT 2015
2	ADDENDUM 2	18 SEPT 2015

Key Plan:



Seal & Signature:

Sheet Name:

TELECOM FLOOR PLAN - LEVEL 1

Project No.:	Sheet No.:
14466	TT2.01
Drawn By: RM	
Checked By: RA	
Scale: 3/32" = 1'-0"	

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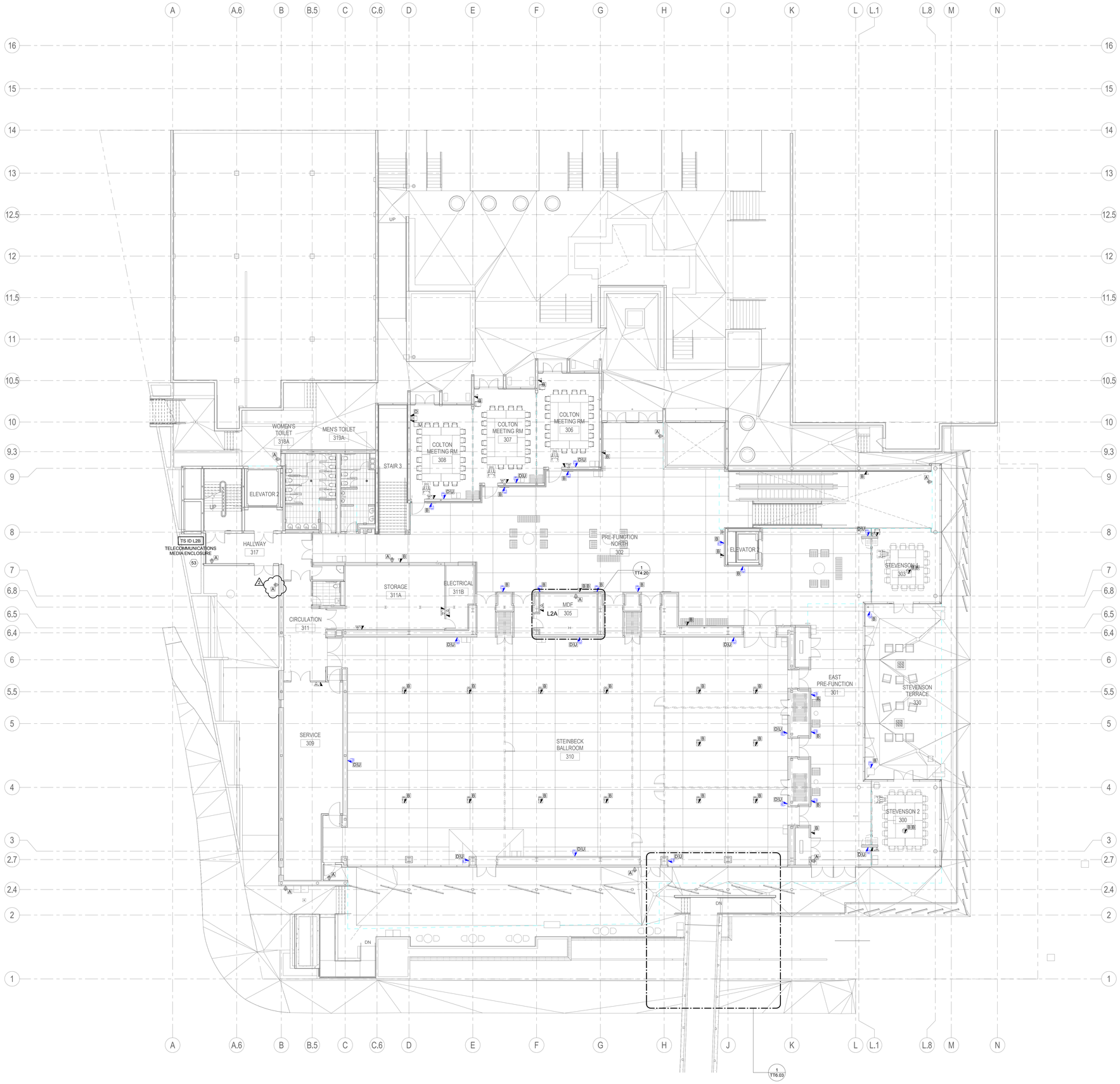
53	(1) QUAD 5-20R RECEPTACLE



1 TELECOM FLOOR PLAN - LEVEL 2
3/32" = 1'-0"

SHEET NOTES:

1. ALL TELECOMMUNICATION OUTLETS ON THIS SHEET TERMINATE AT MDF 305 (L2A).

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	PERMIT SET	15 JUNE 2015
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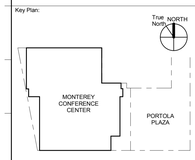
1	ADDENDUM 1	11 SEPT 2015
2	ADDENDUM 2	18 SEPT 2015

Key Plan:



Seal & Signature:

Sheet Name:

TELECOM FLOOR PLAN - LEVEL 2

Project No.:	14466
Drawn By:	RM
Checked By:	RA
Scale:	3/32" = 1'-0"

Sheet No.: TT2.03

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Agreement #: Ag-5097 - Page 376 of 429
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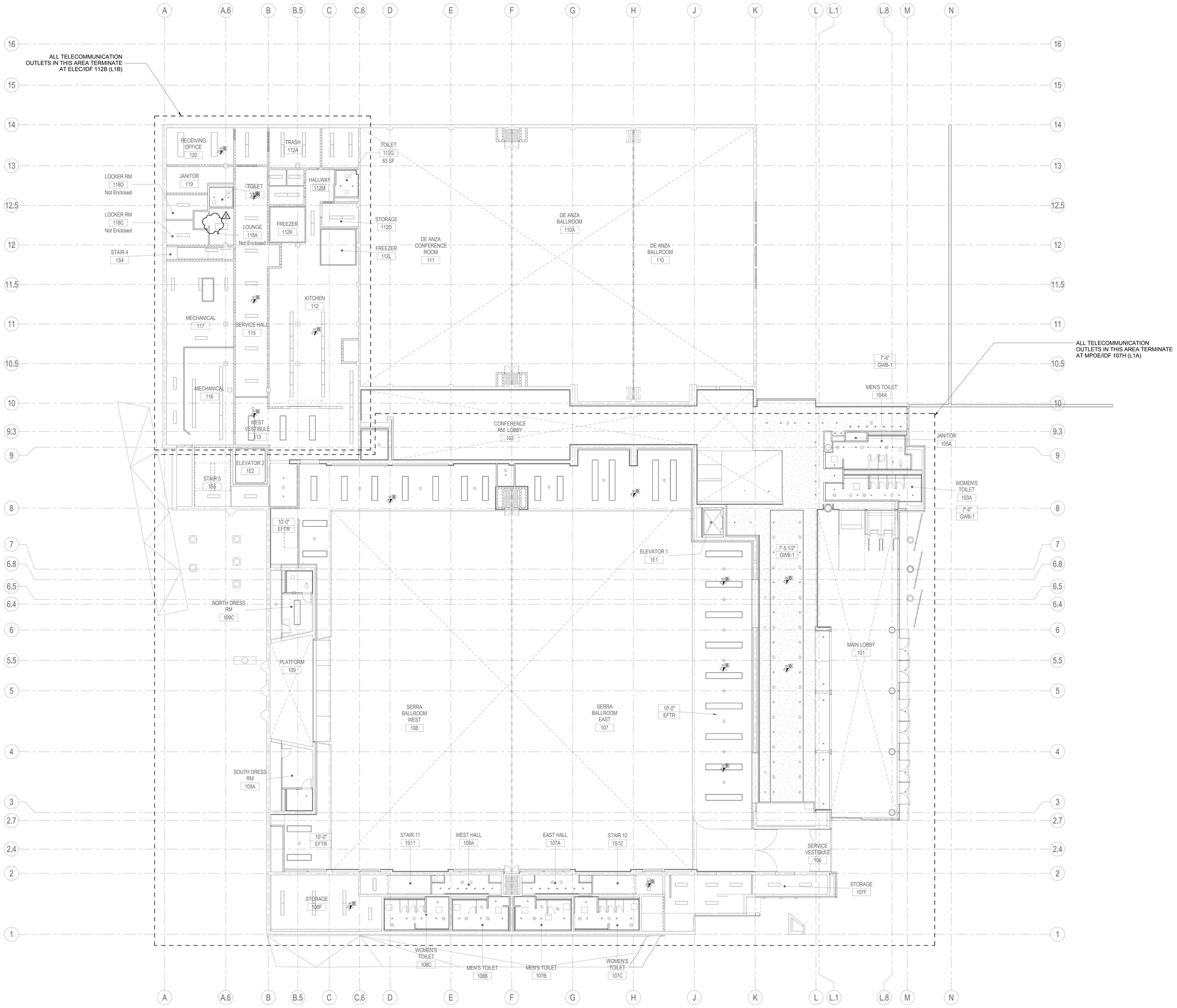

1 TELECOM LEVEL 1 RCP
3/32" = 1'-0"

Agreement #: Ag-5097 - Page 376 of 429
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9/8/2015 4:17:40 PM

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

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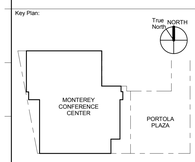
Key Plan:


Seal & Signature:

Sheet Name:
TELECOM REFLECTED CEILING PLAN - LEVEL 1

Project No.: 14466
Drawn By: RM
Checked By: RA
Scale: 3/32" = 1'-0"

Sheet No.:
TT3.01

September 22, 2015

To: All Contractors and Plan holders
Project: **Monterey Conference Center Renovation Project #30C1453 including Portola Plaza Renovation Project #30C1601**
Subject: **Addendum #2**
Sent Via: Web Posting on City of Monterey Ebidboards

Acknowledge this Addendum #2 and all others in your bid on Bid Proposal, Page 6, Part II of the Specifications.

The Division 0 specifications are amended as follows:

1. Part I, Page 3, Paragraph A
Additional site visits for contractors. Contractors can make an appointment with Dustin Conner with Ausonio via email at dustin@ausonio.com to further tour the site before the bid opening. Attending an additional site tour does not fulfill the mandatory pre-bid attendance requirement.

2. Part II, Bid Item Descriptions, Page 4
Item #4: Deductive Alternate #2 – The traffic signals on Del Monte Ave. being added in the drawings and Appendix "H" of this Addendum #2 shall be included in the cost associated with the Portola Plaza Deductive Alternate #2.

3. Part II, Page 16, Local Hire Requirement
Delete the 5th paragraph "Prior to submitting bids, Bidders shall ensure that any and all subcontractors listed in their bids are not disqualified at that time pursuant to Section 28-78 of the City ordinance referenced above. Prospective contractors may consult the list, available from the City Clerk, of contractors and subcontractors, if any, who are currently disqualified." No such disqualified contractors list exists.

4. Part IV, Page 1, Order of Precedence of Contract Documents
Item g. Technical Specifications, Divisions 2-39 Specifications, add "all Architect Appendices and Appendices C, G, and H" to this item.

Item m. Referenced Geotechnical Surveys, Hazardous Materials Report, and other Technical Reports, add "Appendices D, E, F, and I" to this item.

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5. Part IV, Page 3, Time Limits
Under the De Anza Ballroom Schedule heading include another quiet day on February 22, 2016.

At the end of the section on page 3 insert: "Portola Plaza Schedule: Portola Hotel main entry and Portola Plaza vehicular drive shall remain open and operable from the start of construction up until March 7th, 2016. Refer to attached "Concept Staging Phasing Plans."

6. Part IV, Page 21
Add "Section JJ. Piping Allowance inside the Building: The contractor shall account for removing and replacing 150 lineal feet of damaged (4"+\-) storm drain and 150 lineal of damaged (4"+\-) sewer that are encountered during construction. When damaged pipe is encountered; the Contractor is to notify the Construction Manager to review the condition and develop the plan for removal and replacement. In addition the Contractor shall replace damaged piping above drop ceiling in De Anza Ballroom approximately 150 lineal feet of (4"+/-) piping. The pipe allowance is above and beyond the plumbing work shown on the drawings. The plumbing allowance shall be shown on the schedule of values."

7. The Appendix A Division 1 specifications are amended as follows:
Section 01 50 00 Temporary Facilities and Controls
Replace the "Concept Staging Phasing Plans" at the end of this section with the attached revised Concept Staging Phasing Plans #1, 2, and 3 in this Addendum #2.

8. Add Entire New Appendix Section H – Special Provisions for: Del Monte/ Alvarado – Calle Principal Traffic Signal: This new Appendix H contains the special provisions for the traffic signal work added in this Addendum on sheets TR1.01, 2.01, and 2.02. This work should also be included as part of the Portola Plaza Deductive Alternate #2.

9. Add Entire New Appendix Section I – Portola Plaza As-Builts: This new Appendix I contains 18 pages of the Portola Plaza as-builts the City has on file.

10. See attached SOM Addendum #2 Package dated September 18, 2015 containing:
1. Narrative
2. Specifications
3. Drawings (contains approximately 130 sheets; the majority of these sheets contain minor changes where a full sheet was re-issued for the benefit of slip sheeting the bid set.)
    a. Volume 1 (General/ Civil/ Architectural/ Interiors/ Structural)
    b. Volume 2 (Mechanical/ Electrical/ Plumbing/ Fire Protection/ AV/ Telecom/ Graphics)

Sincerely,

Robert M. Harary

Robert M Harary, P.E.
Principal Engineer/ Capital Programs Manager

Attachments: New Addendum #2 Concept Staging Phasing Plans
New Appendix Section H – Special Provisions for: Del Monte/ Alvarado – Calle Principal Traffic Signal
New Appendix Section I – Portola Plaza As-Builts
SOM Addendum #2 package dated September 18, 2015

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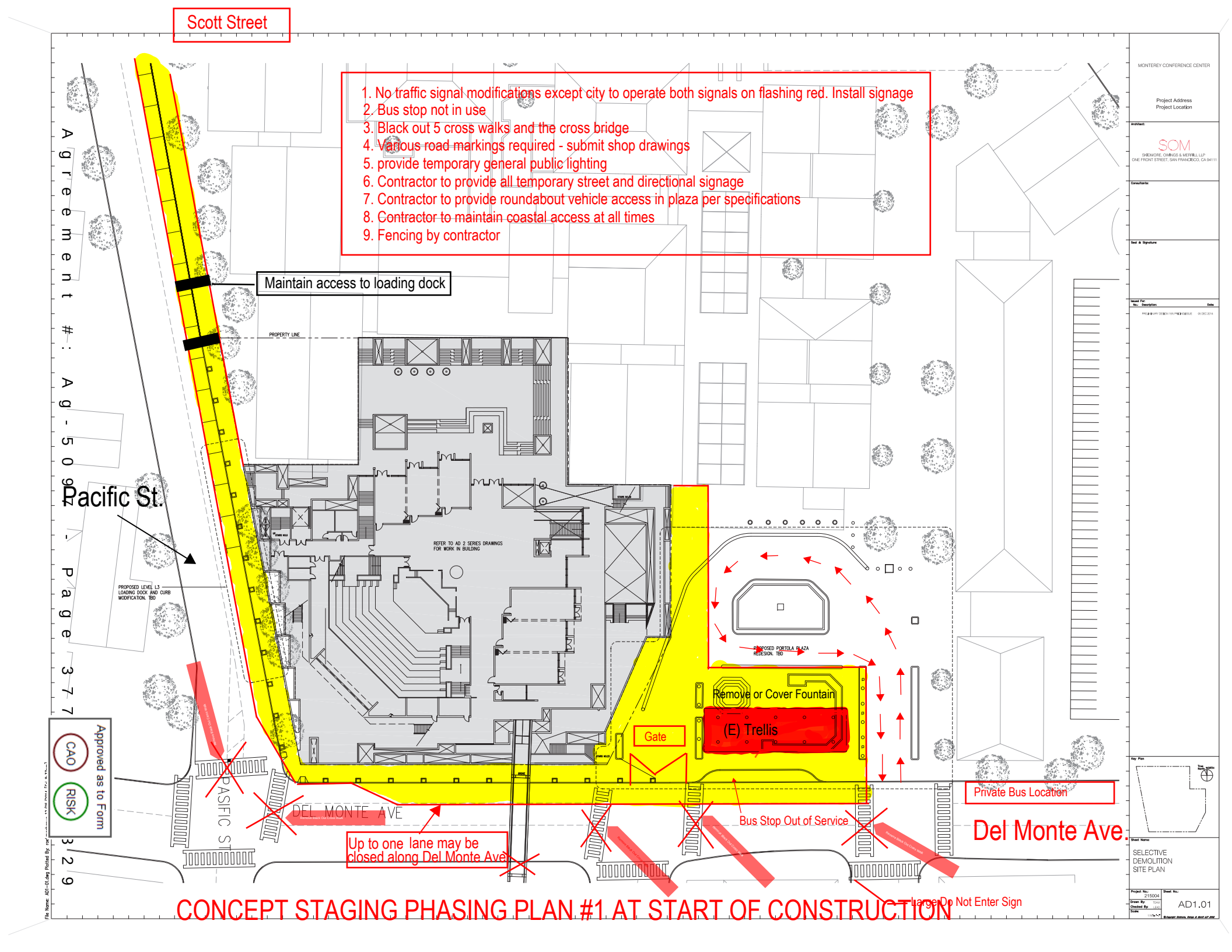
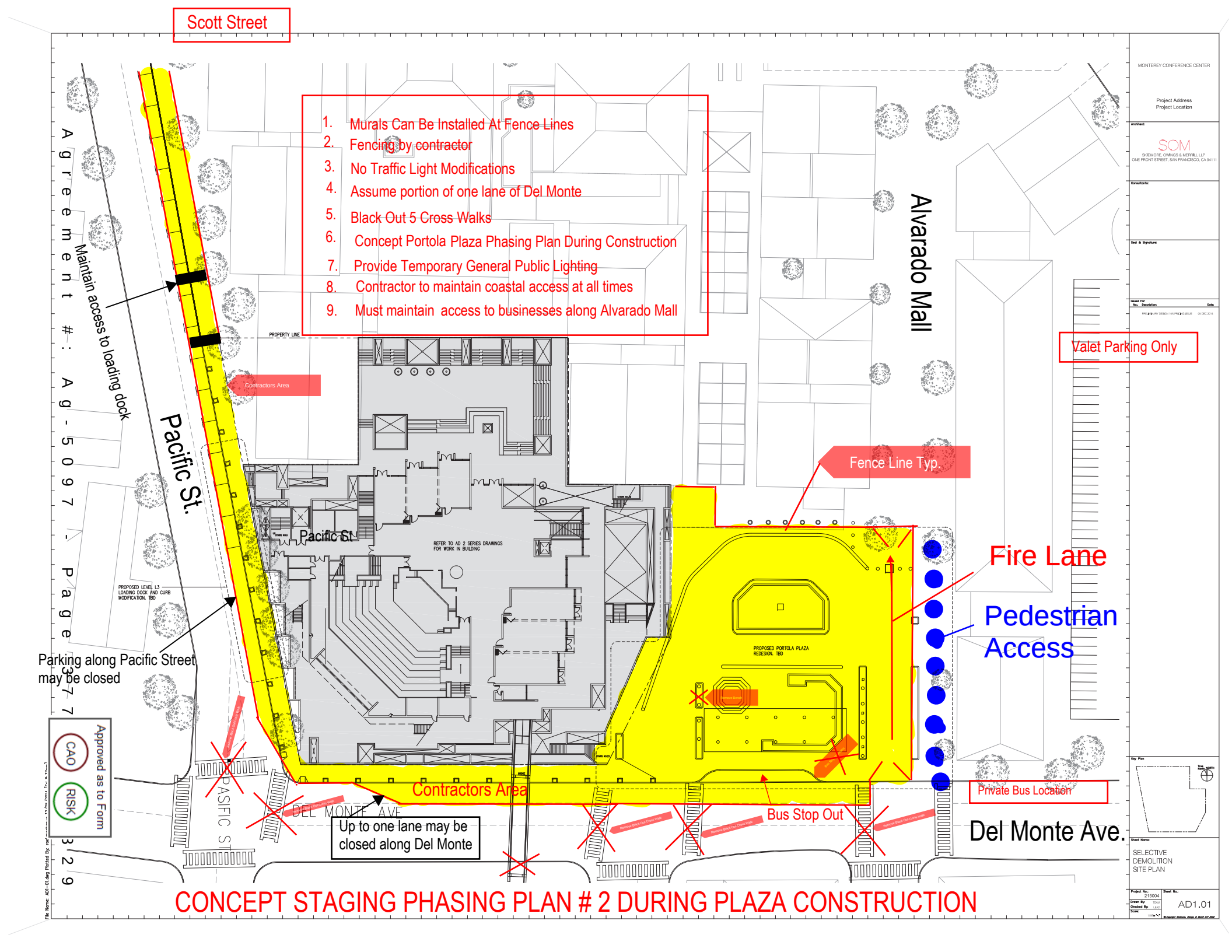


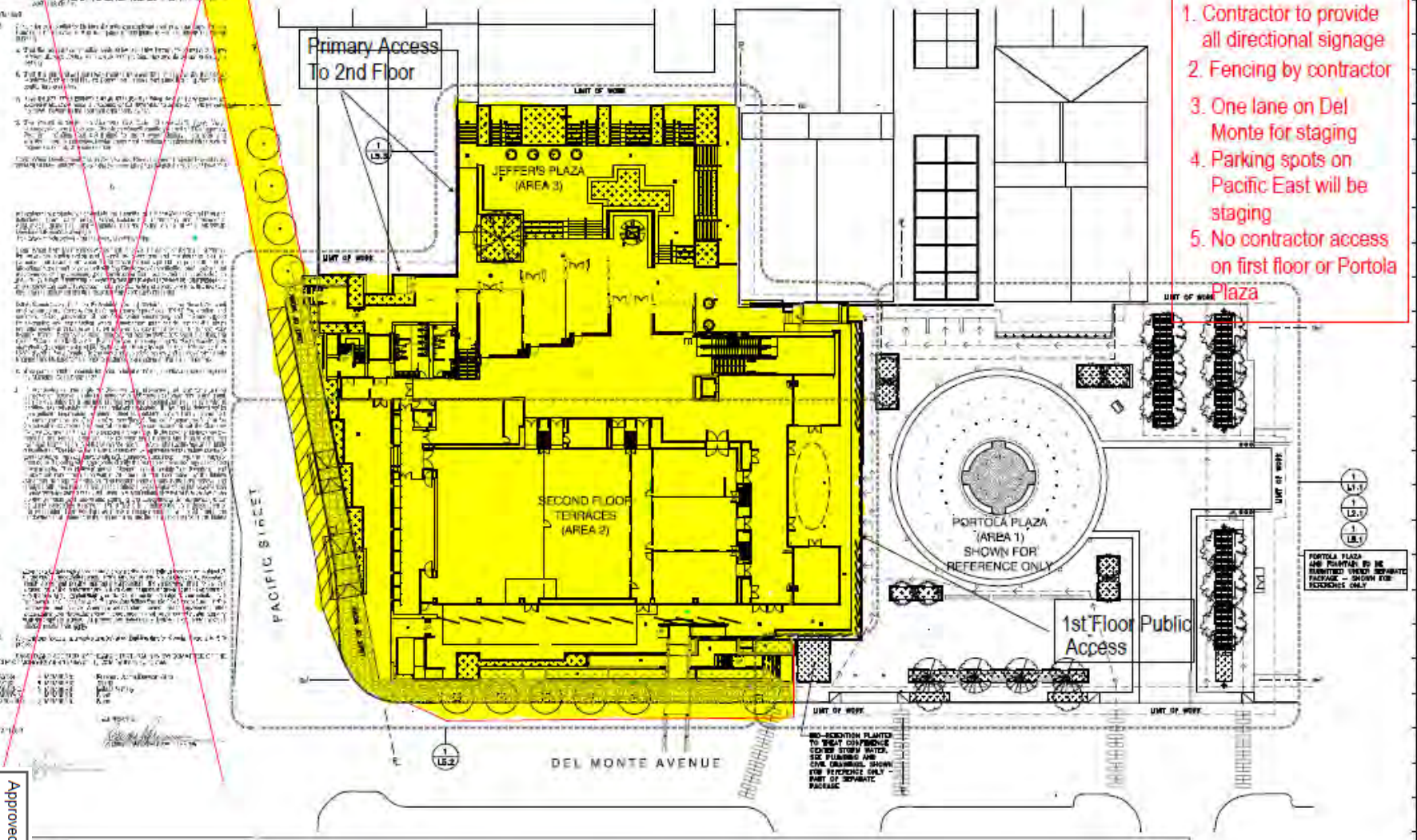
CONCEPT STAGING PHASING PLAN #1 AT START OF CONSTRUCTION


Scott Street
1. Murals Can Be Installed At Fence Lines
2. Fencing by contractor
3. No Traffic Light Modifications
4. Assume portion of one lane of Del Monte
5. Black Out 5 Cross Walks
6. Concept Portola Plaza Phasing Plan During Construction
7. Provide Temporary General Public Lighting
8. Contractor to maintain coastal access at all times
9. Must maintain access to businesses along Alvarado Mall
Agreement #: Ag-5097 - Page 3779 3/29
Maintain access to loading dock
Pacific St.
Alvarado Mall
Valet Parking Only
Contractors Area
PROPERTY LINE
Fence Line Typ.
Pacific St
REFER TO AD 2 SERIES DRAWINGS FOR WORK IN BUILDING
PROPOSED LEVEL L3 LOADING DOCK AND CURB MODIFICATION. TBD
Fire Lane
Pedestrian Access
PROPOSED PORTOLA PLAZA REDESIGN. TBD
Parking along Pacific Street may be closed
Contractors Area
Private Bus Location
Bus Stop Out
Del Monte Ave.
PACIFIC ST
DEL MONTE AVE
Up to one lane may be closed along Del Monte
Approved as to Form
CAO
RISK
MONTEREY CONFERENCE CENTER
Project Address
Project Location
SOM
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET, SAN FRANCISCO, CA 94111
SELECTIVE DEMOLITION SITE PLAN
AD1.01
CONCEPT STAGING PHASING PLAN # 2 DURING PLAZA CONSTRUCTION

Agreement #: Ag-5097 - Page 377 of 329

CONCEPT STAGING PHASING PLAN #3 AFTER DELIVERY #1

1. Contractor to provide all directional signage
2. Fencing by contractor
3. One lane on Del Monte for staging
4. Parking spots on Pacific East will be staging
5. No contractor access on first floor or Portola Plaza



LANDSCAPE KEY PLAN

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