LEGEND

ESP B-2 — Boring Location (Approx.), Earth Systems Pacific, 2008

TB5-73 — Boring Location (Approx.), Lee and Praszker, 1973

TB13-68 — Boring Location (Approx.), Lee and Praszker, 1968

C — C' Cross Section

Approximate Area of Lobby Enlargement

Base Map by BKF Engineers, dated December 9, 2014

SCALE: 1" = 20'

CROSS SECTION LOCATION MAP

MONTEREY CONVENTION CENTER
LOBBY ENLARGEMENT

1 Portola Plaza
Monterey, California

Earth Systems Pacific

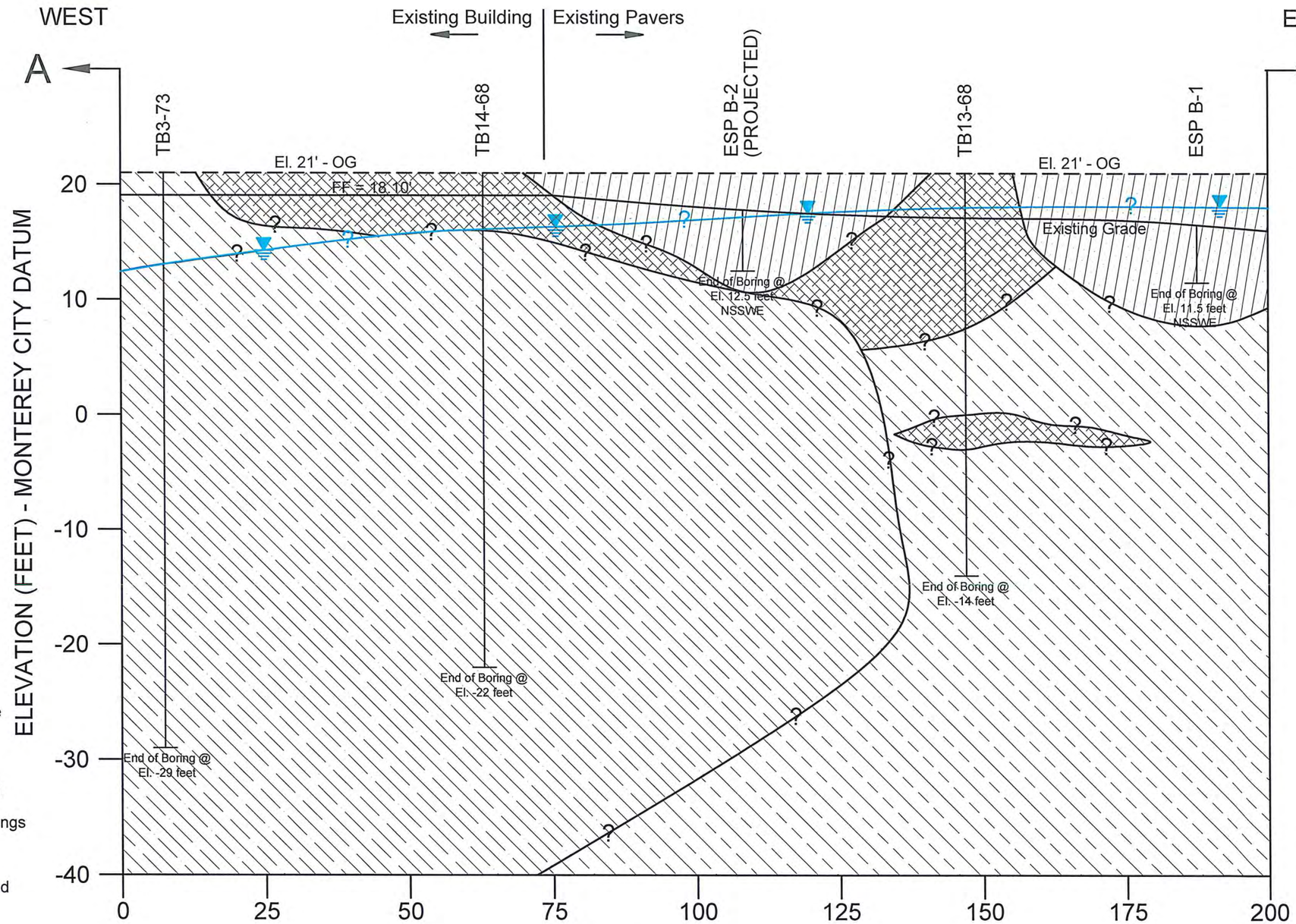
4378 Old Santa Fe Road
San Luis Obispo, CA 93401-8116
(805) 544-3276 • FAX (805) 544-1786
E-mail: esp@earthsystems.com

May 3, 2015 QF SH-10981-SB

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Agreement #: Ag-5097 - Page 291 329

MONTEREY CONVENTION CENTER – LOBBY EXPANSION–050315CrossSections



LEGEND

- Soil / Rock Contact Boundary, queried where uncertain, dashed where approximate
- Groundwater Table location, queried where uncertain (per Lee and Praszker, 1968/1973)
- OG — Original Grade at time of 1968 and 1973 borings
- NSSWE — No subsurface water encountered
- Orange brown to blue gray, slightly weathered and fractured granite
- Blue gray, fractured granite
- Sand and Grus (decomposed granite)
- Silty Sand - fill

HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 10'

CROSS SECTION A - A'

MONTEREY CONVENTION CENTER - LOBBY EXPANSION

1 Portola Plaza
Monterey, California

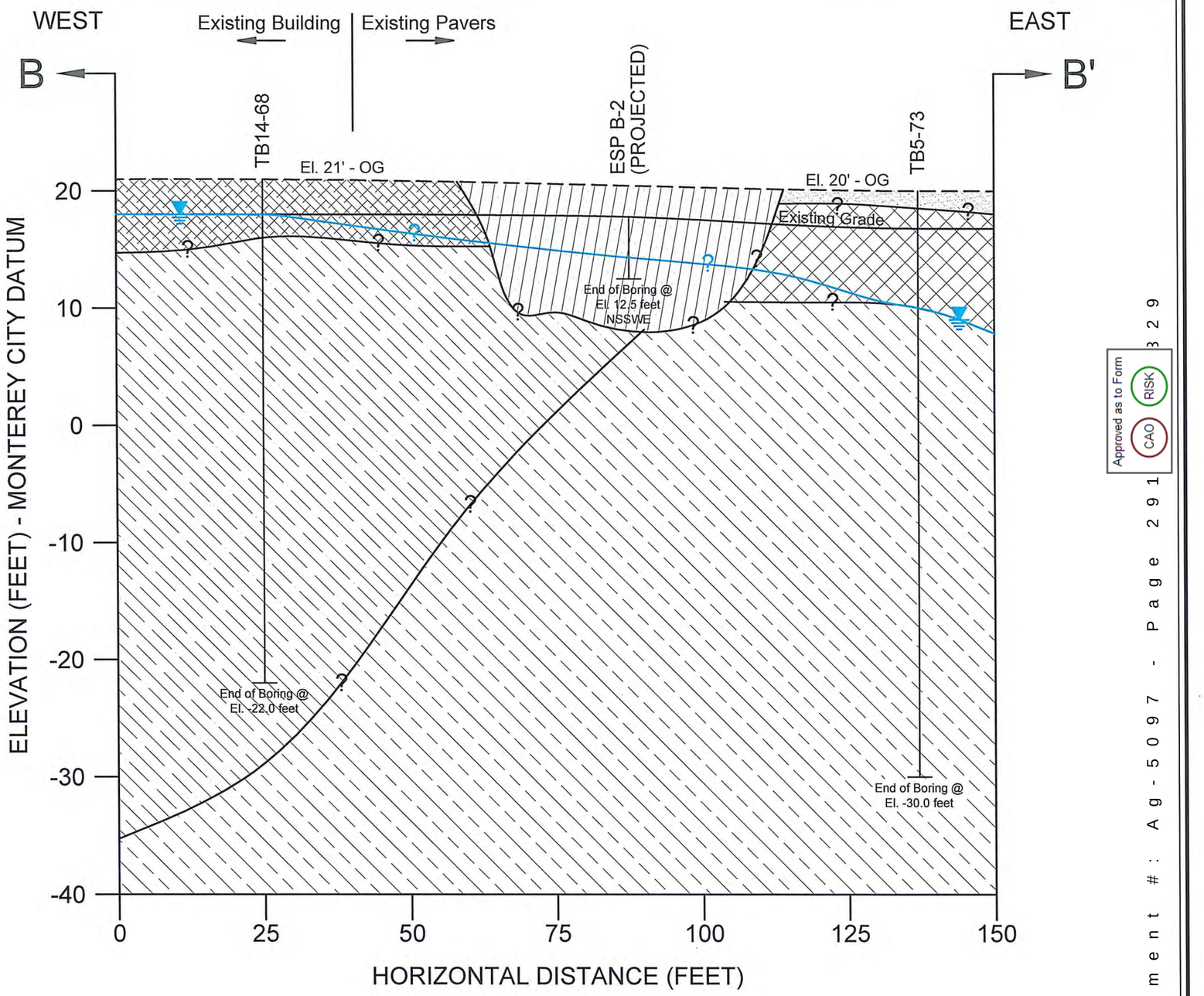
Earth Systems Pacific
4378 Old Santa Fe Road
San Luis Obispo, CA 93401-8116
(805) 544-3276 • FAX (805) 544-1786
E-mail: esp@earthsystems.com

May 4, 2015 QF SH-10981-SB

MONTEREY CONVENTION CENTER - LOBBY EXPANSION-050415X-Sections

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LEGEND

?	Soil / Rock Contact Boundary, queried where uncertain, dashed where approximate
	Groundwater Table location, queried where uncertain (per Lee and Praszker, 1968/1973)
OG	Original Grade at time of 1968 and 1973 borings
NSSWE	No subsurface water encountered
	Blue gray, fractured granite
	Blue gray, slightly weathered and fractured granite
	Sand and Grus (decomposed granite)
	Silty Sand - fill
	Decomposed to very weathered granite
	Brown Sand with brick debris - fill

HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 10'

CROSS SECTION B - B'

MONTEREY CONVENTION CENTER - LOBBY EXPANSION

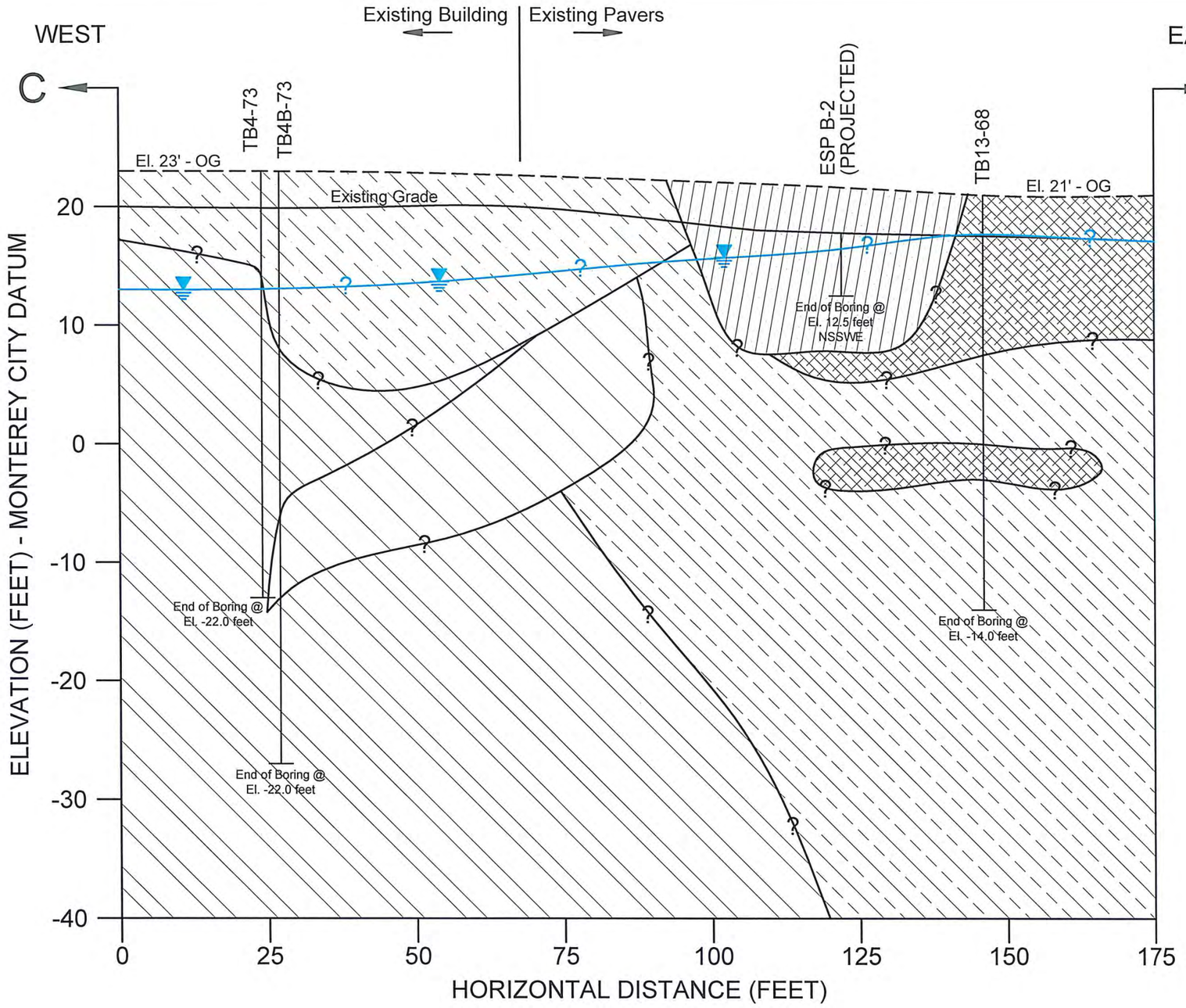
1 Portola Plaza
Monterey, California

Earth Systems Pacific
4378 Old Santa Fe Road
San Luis Obispo, CA 93401-8116
(805) 544-3276 • FAX (805) 544-1786
E-mail: esp@earthsystems.com

May 4, 2015 QF SH-10981-SB

MONTEREY CONVENTION CENTER – LOBBY EXPANSION–050415X–Sections

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LEGEND

?	Soil / Rock Contact Boundary, queried where uncertain, dashed where approximate
	Groundwater Table location, queried where uncertain (per Lee and Praszker, 1968/1973)
OG	Original Grade at time of 1968 and 1973 borings
NSSWE	No subsurface water encountered
	Orange brown to blue gray, slightly weathered and fractured granite
	Sand and Grus (decomposed granite)
	Silty Sand - fill
	Blue gray, very fractured granite
	Blue gray, slightly fractured granite
	Blue gray, very slightly fractured granite

HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 10'

CROSS SECTION C - C'

MONTEREY CONVENTION CENTER - LOBBY EXPANSION

1 Portola Plaza
Monterey, California

Earth Systems Pacific

4378 Old Santa Fe Road
San Luis Obispo, CA 93401-8116
(805) 544-3276 • FAX (805) 544-1786
E-mail: esp@earthsystems.com

May 4, 2015 QF SH-10981-SB

MONTEREY CONVENTION CENTER – LOBBY EXPANSION–050415X–Sections

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FILE NO. L-564 LOG OF BORING TB-3 DIAGRAM A-3

JOB CUSTOM HOUSE CENTER, MONTEREY DATE DRILLED 7/31/73 INSPECTOR EB

G.S. ELEV. 21 feet DRILLER J. N. Pitcher Co. RIG Failing 750 Rotary Wash

DEPTH FT.	ELEVATION FT.	LOG	% RECOVERY	DESCRIPTION
0	21			0-8' Orange brown to blue grey, slightly weathered and fractured Granite
5	16			
				Water at 8 feet
				8'-50' Blue grey with occasional orange rust iron staining streakes, fractured Granite
10	11			
15	6			17'-23' Higher degree of fracturing
20	1			
25	-4			

DRILLING PRESSURE PSI: 200, 400, 600

DRILLING RATE minutes/inch: .2, .4, .6, .8, 1.0, 1.2, 1.4

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FILE NO. 1-564 LOG OF BORING TB-3 DIAGRAM A-3

JOB CUSTOM HOUSE CENTER, MONTEREY DATE DRILLED 7/31/73 INSPECTOR EB

G.S. ELEV. _____ DRILLER J. N. Pitcher Co. RIG Failing 750 Rotary Wash

DEPTH FT.	ELEVATION FT.	LOG	% RECOVERY	DESCRIPTION	DRILLING PRESSURE PSI (200, 400, 600)	DRILLING RATE minutes/inch (.2, .4, .6, .8, 1.0, 1.2, 1.4)
25	-4			Blue grey, with occasional rust orange iron stained streaks, fractured Granite		
30	-9					
35	-14					
40	-19					
45	-24					
50	-29			Bottom of boring 50 feet below ground surface at elevation -29 feet.		

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FILE NO. L-564 LOG OF BORING TB-4 DIAGRAM A-4

JOB CUSTOM HOUSE CENTER, MONTEREY DATE DRILLED 8/1/73 INSPECTOR EB

G.S. ELEV. 23 feet DRILLER J. N. Pitcher Co. RIG Failing 750 Rotary Wash

DEPTH FT.	ELEVATION FT.	LOG	% RECOVERY	DESCRIPTION
0	23			0-9' Blue grey with streaks of rust orange iron staining very fractured Granite
5	18			
10	13			9'-36' Blue grey with occasional streaks of rust orange iron staining, slightly fractured Granite
15	8			
20	3			
25	-2			

DRILLING PRESSURE PSI: 200, 400, 600

DRILLING RATE minutes/inch: .2, .4, .6, .8, 1.0, 1.2, 1.4

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Agreement #: Ag-5097 - Page 29

FILE NO. 1-564 LOG OF BORING TB-4 DIAGRAM A-4

JOB CUSTOM HOUSE CENTER, MONTEREY DATE DRILLED 8/1/73 INSPECTOR EB

G.S. ELEV. _____ DRILLER J. N. Pitcher Co. RIG Failing 750 Rotary Wash

DEPTH FT.	ELEVATION FT.	LOG	% RECOVERY	DESCRIPTION	DRILLING PRESSURE PSI	DRILLING RATE minutes/inch
25	-2			9'-36' Blue grey with occasional streaks of rust orange iron staining, slightly fractured Granite	200 400 600	.2 .4 .6 .8 1.0 1.2 1.4
30	-7					
35	-12					
				Bottom of boring 36 feet below ground surface at elevation -13 feet.		
40						
45						
50						

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FILE NO. L-564 LOG OF BORING TB-4b DIAGRAM A-4b

JOB CUSTOM HOUSE CENTER, MONTEREY DATE DRILLED 8/3/73 INSPECTOR EB

G.S. ELEV. 23 feet DRILLER J. N. Pitcher Co. RIG Failing 750 Rotary Wash

DEPTH FT.	ELEVATION FT.	LOG	% RECOVERY	DESCRIPTION	DRILLING PRESSURE PSI (200, 400, 600)	DRILLING RATE minutes/inch (.2, .4, .6, .8, 1.0, 1.2, 1.4)
0	23			0-15' Blue grey with occasional streaks of rust orange iron staining, very fractured Granite		
5	18					
10	13			Water at 10 feet		
				W_c = 2.7%, γ_m = 147 PCF		
				γ_d = 143 PCF, e = 0.179		
15	8			15'-50' Blue grey with occasional streaks of rust orange iron staining, slightly fractured Granite		
20	3					
25	-2					

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FILE NO. L-564 LOG OF BORING TB-4b DIAGRAM A-4b

JOB CUSTOM HOUSE CENTER, MONTEREY DATE DRILLED 8/3/73 INSPECTOR EB

G.S. ELEV. _____ DRILLER J. N. Pitcher Co. RIG Failing 750 Rotary Wash

DEPTH FT.	ELEVATION FT.	LOG	% RECOVERY	DESCRIPTION
25	-2			Blue grey with occasional streaks of rust orange iron staining, slightly fractured Granite
30	-7			@ 29' - 36' Extremely hard Granite with very little fracturing
35	-12			
40	-17			
45	-22			
50	-27			Bottom of boring 50 feet below ground surface at elevation -27 feet

DRILLING PRESSURE PSI: 200, 400, 600

DRILLING RATE minutes/inch: .2, .4, .6, .8, 1.0, 1.2, 1.4

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Agreement #: Ag 5097 Page 29

FILE NO. L-564 LOG OF BORING TB-5 DIAGRAM A-5

JOB CUSTOM HOUSE CENTER, MONTEREY DATE DRILLED 8/3/73 INSPECTOR EB

G.S. ELEV. 20 feet DRILLER J. N. Pitcher Co. RIG Failing 750 Rotary Wash

DEPTH FT.	ELEVATION FT.	LOG	% RECOVERY	DESCRIPTION
0	20			
				0-2' Brown sand with brick debris (FILL)
				2'-10' Orange brown to blue grey, iron stained rust orange, decomposed to very weathered, Granite
5	15			
				Water @ 8 feet
10	10			10'-50' Blue grey, very fractured Granite with occasional blue-green gouge seams less than 1/16" thick
15	5		14	
20	0			
			83	
25	-5			

DRILLING PRESSURE PSI: 200, 400, 600

DRILLING RATE minutes/inch: .2, .4, .6, .8, 1.0, 1.2, 1.4

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Agreement # A-6 5007 Page 29

FILE NO. L-564 LOG OF BORING TB-5 DIAGRAM A-5

JOB CUSTOM HOUSE CENTER, MONTEREY DATE DRILLED 8/3/73 INSPECTOR EB

G.S. ELEV. _____ DRILLER J. N. Pitcher Co. RIG Failing 750 Rotary Wash

DEPTH FT.	ELEVATION FT.	LOG	% RECOVERY	DESCRIPTION
25	-5			10'-50' Blue grey, very fractured Granite with occasional blue-green gouge seams less than 1/16" thick
30	-10			
35	-15		67	
40	-20			No thin gouge seams below 40 feet
45	-25		62	
50	-30			Bottom of boring 50 feet below ground surface at elevation -30 feet

DRILLING PRESSURE PSI: 200, 400, 600

DRILLING RATE minutes/inch: .2, .4, .6, .8, 1.0, 1.2, 1.4

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Earth Systems Pacific

Boring No. 1
PAGE 1 OF 1

LOGGED BY: G. Barnett
DRILL RIG: B-53
AUGER TYPE: 8" Hollow Stem

JOB NO.: SH-10981-SA
DATE: 09/11/08

MONTEREY CONFERENCE CENTER
PAVER EVALUATION
One Portola Plaza
Monterey, California

DEPTH (feet)	USCS CLASS	SYMBOL	SOIL DESCRIPTION	SAMPLE DATA: INTERVAL (feet)	SAMPLE TYPE	DRY DENSITY (pcf)	MOISTURE (%)	BLOWS PER 12 IN.
0			4" PCC/2" AB					
1	SM		Light brown SILTY SAND, moist, very dense	1.0–4.0	○			
				1.0–2.5	■	104.9	7.6	50/4"
2						107.3	13.9	
			–brown					
3			–organic odor	3.0–4.0	□	128.1	8.1	50/6"
						113.8	9.8	
4			–dark brown, medium dense	4.0–5.5	●			15
5								
6			End of Boring @ 5.5'					
			No subsurface water encountered					
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								

LEGEND: ■ Ring Sample ○ Bulk Sample □ Shelby Tube Sample ● SPT

NOTE: This log of subsurface conditions is a simplification of actual conditions encountered. It applies at the location and time of drilling. Subsurface conditions may differ at other locations and times.

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Agreement #: Ag-5097 - Page 292 329

Earth Systems Pacific

LOGGED BY: G. Barnett
DRILL RIG: B-53
AUGER TYPE: 8" Hollow Stem

Boring No. 2
PAGE 1 OF 1
JOB NO.: SH-10981-SA
DATE: 09/11/08

MONTEREY CONFERENCE CENTER
PAVER EVALUATION
One Portola Plaza
Monterey, California

SOIL DESCRIPTION

DEPTH (feet)	USCS CLASS	SYMBOL	SOIL DESCRIPTION	SAMPLE DATA: INTERVAL (feet)	SAMPLE TYPE	DRY DENSITY (pcf)	MOISTURE (%)	BLOWS PER 12 IN.
0			4" PCC/3" AB					
1	SM		Grayish brown SILTY SAND, moist, very dense	1.0–4.0	○			
				1.0–2.0	■	117.0	8.7	50/6"
2			–brick layer drill cuttings with consistency of medium dense silty to clayey sand			119.6	9.0	
				2.5–4.0	■			19
3								
4			–brown silty sand, moist, very dense	4.0–5.5	●			50/4
5								
6			End of Boring @ 5.5'					
			No subsurface water encountered					
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								

LEGEND: ■ Ring Sample ○ Bulk Sample ▭ Shelby Tube Sample ● SPT

NOTE: This log of subsurface conditions is a simplification of actual conditions encountered. It applies at the location and time of drilling. Subsurface conditions may differ at other locations and times.

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Agreement #: Ag-5097 - Page 292 329

RECOMMENDED PROCEDURE FOR TREMIE-PLACED CONCRETE IN CAISSON (DRILLED SHAFT) FOUNDATION CONSTRUCTION

The following are general guidelines only, and may be subject to modification by the architect/engineer and/or geotechnical engineer.

1. Concrete should be placed in caisson excavations by means of a tremie when the depth of water in the excavation cannot be limited to a maximum of 2 inches, or when the freefall of the concrete would result in the concrete striking the rebar or excavation walls as it falls.
2. The concrete should be pumped to the tremie pipe, or a hopper with a tremie pipe attached should be used. An "elephant's trunk" should not be used to place concrete under water; however, an elephant's trunk may be used to direct the fall of the concrete in dry excavations. The elephant's trunk should be of sufficient length to prevent the concrete from striking the rebar or excavation walls as it falls.
3. Concrete for dry excavations should be designed for, and placed at, a slump of 4 to 6 inch Concrete to be placed below water should be designed for, and placed at, a slump of 7 t inches.
4. The tremie pipe should consist of rigid steel pipe with tight couplings. The tremie pipe sho be 4 to 6 inches in diameter and should be longer than the deepest caisson excavation.
5. The tremie pipe should be lowered with caution through the center of the reinforcing to within 1 foot of the bottom of the excavation; the tremie should not be allowed to penetrate into the muck on the bottom of the hole
6. The pump hose and tremie pipe should be "slicked" with Portland cement slurry. No clay, bentonite, or other material should be used unless approved by the architect/engineer and geotechnical engineer.
7. Pumping of the concrete should begin immediately after the reinforcing, and the tremie pipe have been placed in the excavation and the excavation has been inspected. The tremie pipe should not be raised until the concrete surface in the caisson excavation is at least 5 feet above the bottom of the tremie pipe. The bottom of the tremie pipe should then be kept at least 5 feet below the top of the concrete until the pour is completed.
8. The concrete should be pumped until all muck, laitance, and unsuitable concrete has been lifted above the top-of-caisson elevation. All muck, laitance, and unsuitable concrete should be immediately removed from the excavation.
9. Concrete poured at a 6-inch or greater slump should *not* be vibrated during the pour, unless directed by the architect/engineer. When vibration is required, it should *not* be started until the concrete pour is completed and the muck, laitance and unsuitable concrete have been removed. At a minimum, the upper 10 feet of the concrete should then be vibrated. Additional concrete may be added as necessary during vibration. The vibrator should not be allowed to contact the reinforcing.
10. During the pour, if the tremie pipe has to be removed from the concrete, (e.g., to allow removal of casing), it should be reset at the top of the concrete. The tremie should then be purged, as directed by the inspector, and then immediately lowered to at least 5 feet below the top of the concrete as the concrete is being pumped. All degraded concrete should be lifted with the continuing pour and removed from the top of the caisson.

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Agreement #: Ag-5097 - Page 292 of 329

Earth Systems
Pacific

4378 Old Santa Fe Road
San Luis Obispo, CA 93401
Ph: 805.544.3276
esp@earthsystems.com
www.earthsystems.com

August 3, 2015

FILE NO.: SL-17646-SA

Ms. Kari Wagner, PE
Wallace Group
612 Clarion Court
San Luis Obispo, CA 93401

PROJECT: PORTOLA PLAZA RECONSTRUCTION
MONTEREY, CALIFORNIA

SUBJECT: Updated Geotechnical Engineering Recommendations

CONTRACT
REF: Proposal to Provide Updated Geotechnical Engineering Recommendations, Portola Plaza Reconstruction, Monterey, California, by Earth Systems Pacific, Doc. No. 1507-115.PRP, dated July 20, 2015

Approved as to Form RISK CAO

Agreement #: Ag-5097 - Page 292 of 329

Dear Ms. Wagner:

As per your firm's authorization of the referenced proposal, this report is intended to provide updated geotechnical recommendations for the planned reconstruction of Portola Plaza in Monterey, California. Based on information provided by Aaron Jensen of Skidmore, Owings & Merrill LLP (SOM), and on Conceptual Project Plans (SOM/GLS 2015), we understand that the existing paver surface and all existing improvements in the plaza will be removed. A traffic circle will be created with entrances off the adjoining streets, and various areas beyond the traffic circle will be designated for a range of vehicle and pedestrian uses.

The vast majority of the plaza will be surface with an exterior precast paving system; the pavers currently planned are by Tectura Designs (formerly Wasau) and measure 6 inches by 12 inches. Different thicknesses of the pavers will be used for vehicle traffic and pedestrian areas. Other improvement may include site benches, raised or at-grade planters, a statue of Portola, a storm water filtration system, light poles, bollards and a water feature. Underground utility lines may be added or rerouted as part of the project. No retaining walls or other improvements beyond the Plaza are planned for this project.

We understand that some areas of the plaza generally designated for pedestrian use may, at times, accommodate medium to heavy vehicle traffic for auto shows, vendors, etc. Based on information received from Rachael Cleveland of GLS Landscape/Architecture, we understand that for ease of construction and to create more uniform conditions for wear and weathering, consideration is being given to designing the plaza for a single uniform paver section, rather than having variable sections for pedestrian only, light, medium and heavy traffic. However, at this time, the final determination regarding a uniform or variable paver thickness across the site has not been made. We understand that the design for vehicle areas is to accommodate H-20 loading, with an asphalt/bituminous setting bed over a reinforced concrete slab.

The initially requested work scope was for a geotechnical investigation involving drilled borings and laboratory testing, with recommendations for a paver section. However, our firm provided an evaluation of the deterioration of the existing pavers in the project area (ESP 2008), as well as an update for a lobby enlargement of the Monterey Conference Center adjacent to the Portola Plaza (ESP 2015). It was our opinion that these reports contained sufficient data such that no additional field investigation or laboratory testing would be needed to produce this update report. Therefore, our proposed and accepted work scope consisted only of a review of the 2008 report, and the development of updated geotechnical recommendations consistent with the requirements of the 2013 California Building Code (CBC). No additional field investigation or laboratory testing were performed. Copies of the Boring Logs and Boring Location Map from the 2008 report are included in Appendix A; copies of the laboratory test results from the 2008 report are included in Appendix B.

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In our opinion, the primary geotechnical concern associated with the planned reconstruction of the plaza are the potential for disturbance due to demolition and removal of the existing paver improvements, and the condition of the soil at depth underlying the existing pavers.

Based on the conditions encountered in the borings previously drilled on the site by this firm (ESP 2008), the existing paver section consists of 1.25-inch thick pavers set in a mortar bed, over a Portland cement concrete (PCC) concrete slab that is 4 to 5 inches thick, over 1.5 to 3 inches of aggregate base (AB). It is unknown if the PCC is reinforced. As described in later sections of this report, the paver section recommended for the planned reconstruction project is significantly thicker, therefore the existing PCC slab, as well as the underlying aggregate base and a portion of the underlying soil, will have to be removed, which will be a significant undertaking. Reinforcing steel was not encountered in the borings, however there is a potential that the existing concrete slabs are reinforced, which would complicate the removal process. Additionally, as the locations and depths of underground utility lines in the plaza are unknown, there is a potential that utility lines, if present and at relatively shallow depths, could be damaged in this process.

All four exploratory borings previously drilled (ESP 2008) encountered fill directly below the existing paver section. While the material was not identified in the boring logs or the text of the report as fill, the conditions noted in the logs (i.e., the organic odor in Boring 1 at 3 feet, the brick layer in Boring 2 at 2 feet, and the possible storm drain pipe in Boring 3 at 4 feet) would all lead to the conclusion that it is fill. We are unaware of any records of grading observation or compaction testing during the placement of this fill, therefore the fill would be considered undocumented. Undocumented fill is typically not used for support of improvements unless its condition can be verified. As the soil directly below the concrete slab supporting the existing pavers was found to be generally very dense, it was assumed that the some earthwork was completed to densify at least the upper zone of the fill. However, several anomalies were noted that were judged to be contributing factors to the damage observed in the existing pavers. These anomalies were organic matter at 3.5 feet in Boing 1, a layer of brick just below subgrade in Boring 2, and medium dense (rather than very dense) conditions at subgrade in Boring 3. As Boring 3 was terminated at 4 feet on a hard object, possibly a storm drain pipe, it is possible that the less dense conditions observed in this boring were the result of improper compaction of utility line backfill.

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In the report (ESP 2008) an area of extensive paver damage was also noted near the fire hydrant and water line adjacent to the bank building. Again, this indicated the potential for paver damage over utility lines if they have improperly compacted backfill or are at relatively shallow depths. In our opinion, these anomalous conditions found at depth in the borings could well extend into other areas of the site, and they should be considered in the design of the overall paver section, at the least for areas that will receive any kind of vehicle traffic. We have assumed that it would not be economically feasible to correct the anomalies through conventional overexcavation and recompaction of several feet of soil in the plaza. Therefore, we recommend that geogrid stabilization be used as an element in the overall paver section design for areas to receive vehicle traffic. Use of geogrid stabilization in pedestrian traffic areas can be considered optional.

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PAVER SECTION DESIGN METHODOLOGY

Based on information received from Rachael Cleveland of GLS Landscape/Architecture, we understand that the pavers that will be used for this project will be:

1. Concrete pedestrian unit paver SEA-10, 6" x 12" x 2" compressive strength: >8,000 psi average
2. Concrete vehicular unit paver SEA-50, 6" x 12" x 2 3/4" compressive strength: >8,000 psi average

We further understand that the installation method selected is to be the pavers over a bituminous set, over a reinforced concrete slab, over imported gravel, over compacted native soil. An email exchange with Jason Merrick of Tectura Designs on July 27, 2015 yielded only minimum values for the sections underlying the pavers. Mr. Merrick indicated that Tectura Designs does not have a formula or process that they recommend be used to determine the overall paver section thickness. Therefore, we selected the method contained in "Pavement Design for Roads, Streets, Walks and Open Storage Areas" (UFC 2004). In order to utilize this method in conjunction with the selected paver units, the following assumptions were made:

1. The pavers are the surface wearing course only, and they do not contribute to the overall strength of the pavement section.
2. The concrete slab below the pavers will have a flexural strength of 650 psi at 28 days.
3. The concrete slab will be reinforced. Full construction joints will be provided between slab sections, and smooth dowels will be added to transfer shear across joints.
4. The typical Tectura Designs details provided by Mr. Merrick show a thickness of "#6 road grade gravel" (assumed per ASTM C 33) below the concrete slabs. As #6 material per ASTM C 33 is a clean gravel, between about 3/4-inch size and No. 4 (about 1/4 inch), with no sand, local contractors may experience difficulty in using this kind of material, which is not a typical material used in this area. Instead of the #6 material per ASTM C 33, the design was completed with Class 2 aggregate base (Caltrans 2010). This material is readily available, and is specified by Caltrans for their highway applications.

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As previously noted, we understand that it has not been decided if there will be some areas of the plaza that will be designated for pedestrian traffic only (i.e., no vehicle traffic at all), or if certain areas may be pedestrian with light traffic for special events only (i.e., auto shows). Based on a telephone conversation on July 30, 2015 with Dustin Conner of Ausonio, Inc., it was decided to provide recommendations for paver sections for a variety of traffic conditions, so that the design team will have flexibility to try various scenarios and evaluate factors such as constructability and cost. As an exact traffic count for the plaza is not known, for the purposes of this report, it was assumed that the vehicle traffic areas of the plaza would be considered per the design method selected (UFC 2004) as either a "Flat, Class D" road (average daily traffic volume of 1,600 to 6,300 vehicles), or a "Flat, Class E" road (average daily traffic volume of 160 to 2,100 vehicles). In addition, the potential for Traffic Categories I through IV and IVA was also considered (see the Traffic Category descriptions from UFC 2004 in Appendix C). A paver section for pedestrian usage only (i.e., no vehicle traffic) is also provided. The ultimate decision regarding which paver section to utilize on the various areas of the plaza is left to others.

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UPDATED GEOTECHNICAL RECOMMENDATIONS

These recommendations are applicable to the plaza reconstruction project as described previously. If any improvements not previously noted are included, the geotechnical engineer should be contacted for revised recommendations.

Unless otherwise noted, the following definitions are used in the recommendations presented below. Where terms are not specifically defined, common definitions used in the construction industry are intended.

- **Paver Areas:** The areas that will receive pavers for pedestrian or vehicle usage.
- **Site Improvement Area:** The areas that will not receive pavers, but that are within the foundation footprint of site benches, raised planters, statues, and any water features.
- **At Grade Planter Areas:** The footprint of areas beyond the site improvements and pavers, where landscaping will be provided at grade.
- **Project Area:** The entire area to be improved, including the Paver, Site Improvement and At Grade Planter areas.
- **Subgrade:** In paver areas, the elevation upon which the Class 2 Aggregate Base (Caltrans 2010) layer will be placed and compacted to support the concrete slabs-on-grade below the pavers. In site improvement areas, the elevation upon which a slab (or an imported sand layer to support a slab) will be constructed for any site benches, raised planters, statues or water features. In the at grade planter areas, the final elevation of native soils designated by the designer, upon which amendments or landscaping will be placed.
- **Aggregate Base Grade:** The elevation in the paver areas upon which the concrete slabs-on-grade will be placed below the pavers.

- **Scarified:** Thoroughly plowed or ripped in two orthogonal directions to a depth of not less than 8 inches.
- **Moisture Conditioned:** Soil moisture content adjusted to optimum moisture content, or just above, prior to application of compactive effort.
- **Compacted / Recompacted:** Soils placed in level lifts not exceeding 8 inches in loose thickness and compacted to a minimum of 95 percent of maximum dry density, unless specified otherwise. The standard tests used to establish maximum dry density and field density should be ASTM D 1557-12 and ASTM D 6938-10, respectively, or other methods acceptable to the geotechnical engineer and jurisdiction.

Site Preparation

1. The ground surface in the project area should be prepared for construction by removing all existing surface improvements, the existing pavers and the underlying concrete slab. Any existing utility lines that will not remain in service should be either removed or abandoned. The appropriate method of utility abandonment will depend upon the type and depth of the utility. Recommendations for abandonment can be made as necessary.

2. Voids created by the removal of materials or utilities described above should be called to the attention of the geotechnical engineer. No fill should be placed unless the underlying soil has been observed by the geotechnical engineer.

3. The Utility Trenches section of this report contains specific recommendations for placement and backfill of utility lines, in the event that the demolition process reveals utility lines that are buried at relatively shallow depths.

Grading

1. In the paver areas, following demolition and excavation to subgrade, the exposed soil surfaces should be scarified, moisture conditioned, and recompacted. Geogrid and aggregate base should then be placed per "Paver Sections" in this report.

2. In the site improvement areas, following demolition and excavation to subgrade or prior to placement of fill, the exposed soil surfaces should be scarified, moisture conditioned, and recompacted. In addition, excavations for foundations to support site improvements should be moisture conditioned and recompacted prior to placement of reinforcement steel and concrete.

3. In the at grade planter areas, the designer should specify any moisture conditioning and compaction considered to be necessary following demolition and excavation to subgrade or prior to placement of fill.

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4. In the balance of the project areas, following demolition and excavation to grade or prior to placement of fill, the exposed soil surfaces should be scarified, moisture conditioned, and recompacted.

5. Voids created by dislodging rocks and/or debris during scarification should be backfilled and compacted, and the dislodged materials should be removed from the work area.

6. The on-site soil may be used as general fill to subgrade elevation throughout the project area.

7. Please refer to the Paver Section portion of this report for the geogrid, AB, PCC slabs and reinforcing, and the bituminous set material recommended to be placed below the pavers.

8. All fill used in the paver and site improvement areas should be nonexpansive. Nonexpansive materials are defined as soil falling into the GM, GC, GP, GW, SM, SC, SP, or SW categories (ASTM D 2488-09a) and having an R-value (ASTM D 2844-13) of 71 or higher. Quality parameters for all fill used in the at grade planter areas and in the balance of the project area should be specified by the designer.

9. Proposed imported materials for the paver and site improvement areas should be evaluated by the geotechnical engineer before being used and on an intermittent basis during placement on the site.

10. All materials used as fill should be cleaned of all debris and any rocks larger than 3 inches in maximum dimension. When fill material includes rocks, the rocks should be placed in a sufficient soil matrix so that voids caused by nesting of the rocks will not occur and that the fill can be properly compacted. All fill should be thoroughly mixed prior to placement.

Utility Trenches

1. Utilities that must pass beneath a site improvement should be placed with properly compacted utility trench backfill, and the site improvement should be designed to span the trench.

2. Wherever practicable, horizontal utility lines should be run at depths of 1 foot or deeper below subgrade to near their points of connection, where a vertical sweep upward should be made. The intent of this recommendation is to reduce the potential for the backfill of relatively shallow utility lines to settle long-term, eventually affecting the paver surface. During the demolition process, if existing shallow utility lines are encountered and they are planned to remain in service, consideration should be given to replacing the lines at a greater depth.

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3. An imported select, noncorrosive, granular, easily compacted material should be used as bedding and shading immediately around utilities. Trench backfill above the select material in the project area should be granular and nonexpansive. The on-site materials can be used for trench backfill above the bedding and shading.

4. Trench backfill at depths greater than 1 foot below subgrade should be compacted to a minimum of 90 percent of maximum dry density. Above this elevation, trench backfill should be compacted to a minimum of 95 percent of maximum dry density.

5. Trench backfill should be placed in level lifts not exceeding 6 inches in loose thickness, moisture conditioned, and compacted to the minimum noted above.

6. Long-term settlement of properly compacted, imported well graded sand or site soil trench backfill should be assumed to be about 0.2 to 0.5 percent of the depth of the backfill. Improvements that are constructed over or near trenches should be designed to accommodate long-term settlement.

7. As an alternative to compaction of trench backfill and risking the potential for settlement, trenches can be backfilled with a minimum 1-sack per cubic yard cement/sand slurry. The slurry should be lightly consolidated during placement, and it should be allowed to set a minimum of 24 hours prior to continuing construction.

8. Compaction of trench backfill by jetting or flooding is not recommended except under extraordinary circumstances. However, to aid in *encasing* utility conduits, particularly corrugated drain pipes, and multiple, closely-spaced conduits in a single trench, jetting or flooding may be useful. Flooding or jetting should only be attempted with extreme caution, and any jetting operation should be subject to review by the geotechnical engineer.

9. The recommendations of this section are minimums only, and may be superseded by the requirements of the client, pipe manufacturers, utility companies, or the governing jurisdiction based upon soil corrosivity or other factors.

Foundations for Site Improvements

1. Continuous and spread (pad) footings bearing in firm recompacted soil per the grading section of this report may be used to support the site improvements. Footings should penetrate a minimum of 12 inches below subgrade.

2. All footings should be reinforced in accordance with the requirements of the architect/engineer. Minimum continuous footing and grade beam reinforcement should be two No. 4 rebar, one at the top and one at the bottom. Specification of reinforcement for spread footings is left to the architect/engineer.

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3. Footings should be designed using maximum allowable bearing capacities of 1,500 psf dead load and 2,200 psf dead plus live loads. Using these criteria, maximum settlement and differential settlement are expected to be on the order of 1/2 inch and 3/8 inch in 25 feet, respectively.

4. Allowable bearing capacities may be increased by one-third when transient loads such as wind or seismicity are included. Foundations may be designed using the following 2013 California Building Code (CBC) seismic parameters which are based, in part, on a latitude of 36.6013 degrees north and 121.8947 degrees west, as taken from the Google Earth website (Europa Technologies 2015), using the ASCE 7-10 Standard with 2013 Updates (ASCE 2013) criteria presented on the Earthquake Hazards Program website (USGS 2015). Based on the available subsurface information (ESP 2015), a Site Class C was applied to the site.

SEISMIC ACCELERATION SITE PARAMETERS

Mapped Spectral Response Acceleration for Site Class B		**Site Coefficients for Site Class C**		**Adjusted MCE Spectral Response Accelerations for Site Class C**		**Design Spectral Response Accelerations for Site Class C**	
Seismic Parameter	Value (g)	Site Coefficient	Value	Seismic Parameter	Value (g)	Seismic Parameter	Value (g)
S_S	1.522	F_a	1.000	S_{MS}	1.522	S_{DS}	1.015
S_1	0.558	F_v	1.300	S_{M1}	0.726	S_{D1}	0.484
Peak Mean Ground Acceleration (PGA_m) : 0.592 g							
Site Design Category: D							

5. Lateral capacity is based on the assumption that backfill adjacent to foundations is properly compacted. A passive equivalent fluid pressure of 300 pcf and a friction factor of 0.40 may be used in the design to resist lateral loads. These parameters may be combined in the analysis without a reduction to either value. Factors of safety have not been included in these values.

6. Footing excavations should be observed by the geotechnical engineer during excavation and prior to placement of reinforcing steel or concrete. Prior to concrete placement, the soil in the footing excavations should be thoroughly moistened.

Paver Sections

1. The following paver section thicknesses were calculated for the two assumed road classes and the five different Traffic Categories identified by the design method utilized (UFC 2004). A paver section for pedestrian usage only (i.e., no vehicle traffic) is also provided. The ultimate decision regarding which paver section to utilize on the various areas of the plaza is left to others.

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Vehicle Areas

Road Classification: D (Flat; 1,600 to 6,300 vehicles per day) or E (flat; 160 to 2,100 vehicles per day)

Traffic Category [A]	Pavement Design Index [A]	Paver Unit [B]	2% Modified Neoprene Tack Coat [C]	3/4" Bituminous Setting Bed [C]	Concrete Slab Thickness, Minimum (inches) [D]	Reinforcement for Concrete Slabs, Minimum [E]	Aggregate Base Thickness, Minimum (inches) [F]	Geogrid Below Aggregate Base [G]
I	1	Vehicular Unit Paver SEA-50, 6"x12"x2.75" Compressive Strength = >8,000 psi Average	Yes	Yes	6.0"	#4 @ 18" on Center Each Way	8"	Yes
II	2	Vehicular Unit Paver SEA-50, 6"x12"x2.75" Compressive Strength = >8,000 psi Average	Yes	Yes	6.0"	#4 @ 18" on Center Each Way	12"	
III	3	Vehicular Unit Paver SEA-50, 6"x12"x2.75" Compressive Strength = >8,000 psi Average	Yes	Yes	6.0"	#4 @ 18" on Center Each Way	12"	Yes
IV	4	Vehicular Unit Paver SEA-50, 6"x12"x2.75" Compressive Strength = >8,000 psi Average	Yes	Yes	6.5"	#4 @ 18" on Center Each Way	12"	Yes
IV A	5	Vehicular Unit Paver SEA-50, 6"x12"x2.75" Compressive Strength = >8,000 psi Average	Yes	Yes	7.0"	#4 @ 18" on Center Each Way	12"	Yes

Pedestrian Areas - No Vehicle Traffic

Traffic Category [A]	Pavement Design Index [A]	Paver Unit [B]	2% Modified Neoprene Tack Coat [C]	3/4" Bituminous Setting Bed [C]	Concrete Slab Thickness, Minimum (inches) [D]	Reinforcement for Concrete Slabs, Minimum [E]	Aggregate Base Thickness, Minimum (inches) [F]	Geogrid Below Aggregate Base [G]
N/A	N/A	Pedestrian Unit Paver SEA-10, 6"x12"x2" Compressive Strength = >8,000 psi Average	Yes	Yes	4.0"	#4 @ 24" on Center Each Way	8"	Optional

A) Per UFC, 2004

B) Per Rachael Cleveland, GLS landscape/Architecture (July 20, 2015 email)

C) Per Tectura Designs Standard Specifications "Precast Concrete Pavers Bituminous Set Installation Guide Specifications"

D) Per Tectura Designs, minimum thickness = 6" for Vehicle Areas; minimum thickness = 4" for Pedestrian Areas.

E) ASTM A615, Grade 60. Reinforcing steel should be placed at mid-depth of slab section.

F) Class 2 per Section 26 "Aggregate Bases" (Caltrans 2010)

G) Tensar TriAx TX-5 geogrid

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2. Concrete slabs should have a minimum flexural strength of 650 psi at 28 days. To reduce the potential for shrinkage cracks in concrete, the concrete aggregates should be of appropriate size and proportion, the water/cement ratio should be low, the concrete should be properly placed and finished, contraction joints should be installed, and the concrete should be properly cured. Concrete materials, placement, and curing specifications should be at the direction of the architect/engineer; ACI 302.1R-04 (ACI 2004) is suggested as a resource for the architect/engineer in preparing such specifications. Concrete should have a minimum cementitious materials content of 588 lbs./cu. yd., and should have a maximum shrinkage of 0.040 percent (ASTM C 157; 7 days wet cure, then 28 days dry cure). Secondary crack reinforcement materials (i.e., fibers) should also be considered for the concrete.

3. Construction joints in concrete slabs should be placed on maximum 15-foot centers, and individual slab sections should be kept as square as possible. ACI 360R-10 (ACI 2010) is suggested as a resource for design and placement of joints, transfer dowels between adjacent slab sections, and additional reinforcement for re-entrant corners in slabs.

4. Aggregate base overall thicknesses of 8 inches can be placed and compacted in a single lift. Aggregate base overall thicknesses of 12 inches should be placed and compacted in two 6-inch lifts. All aggregate base should be compacted to a minimum of 95 percent of maximum dry density, and should be firm and unyielding prior to continuing construction. In vehicular paver unit areas, placement of aggregate base over geogrid should proceed according to the manufacturer's recommendations.

5. Prior to placement of Tensar TriAx geogrid, the underlying native soil subgrade should be compacted to a minimum of 95 percent of should be maximum dry density, and should be firm and unyielding prior to continuing construction. Geogrid should be placed in accordance with the manufacturer's recommendations, and should extend a minimum of 2 feet beyond all vehicular paver unit areas.

Drainage and Maintenance

1. Finished surfaces should be sloped to freely drain toward appropriate drainage facilities. Water should not be allowed to stand or pond on or adjacent to foundations.

2. Any raised planter boxes should be installed with drains, and sealed sides and bottoms, to reduce the potential for planter drainage to gaining access below paver areas. Drains should also be provided in all areas adjacent to foundations that would not otherwise drain freely.

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Observation and Testing

1. It must be recognized that the recommendations contained in this report are based on a limited amount of subsurface information developed in 1968, 1973 and 2008, and rely on continuity of the subsurface conditions encountered.

2. At a minimum, the geotechnical engineer should be retained to provide:
   - Review of project plans as they near completion
   - Oversight of compaction testing during preparation and grading of the project area
   - Oversight of special inspection during preparation and placement of the concrete slabs and bituminous set material in paver areas

3. Special inspection of grading should be provided as per Section 1705.6 and Table 1705.6 of the CBC; the special inspector should be under the direction of the geotechnical engineer. In our opinion, there are no operations that are sufficiently critical as to warrant *continuous* special inspection; periodic special inspection should suffice. Subject to approval by the building official, the exemption under Section 1704.2.1 may be utilized to allow periodic special inspection of soils. The following should be inspected by the soil special inspector:
   - Stripping and clearing of existing improvements
   - Scarification as recommended
   - On-site and imported fill quality, placement, moisture conditioning, and compaction
   - Utility trench backfill

4. A program of quality control should be developed prior to the beginning of the project. The contractor or project manager should determine any additional inspection items required by the architect/engineer or the governing jurisdiction.

5. Locations and frequency of compaction tests should be as per the recommendation of the geotechnical engineer at the time of construction. The recommended test location and frequency may be subject to modification by the geotechnical engineer, based upon soil and moisture conditions encountered, size and type of equipment used by the contractor, the general trend of the results of compaction tests, or other factors.

6. A preconstruction site meeting among the owner, the geotechnical engineer, the soil special inspector, the architect/engineer, the governing jurisdiction, and contractors should be convened to discuss planned construction procedures and quality control requirements.

7. The geotechnical engineer should be notified at least 48 hours prior to beginning construction operations.

CLOSURE

Our intent was to provide these recommendations in a manner consistent with the level of care and skill ordinarily exercised by members of the profession currently practicing in the locality of this project and under similar conditions. No representation, warranty, or guarantee is either expressed or implied. This report is intended for the exclusive use by the client as discussed previously. Application beyond the stated intent is strictly at the user's risk.

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This report is valid for conditions as they exist at this time for the type of project described herein. The conclusions and recommendations contained in this report could be rendered invalid, either in whole or in part, due to changes in building codes, regulations, standards of geotechnical or construction practice, changes in physical conditions, or the broadening of knowledge.

If changes with respect to project type or location become necessary, if items not addressed in this report are incorporated into plans, or if any of the assumptions used in the preparation of this report are not correct, the geotechnical engineer shall be notified for modifications to this report. Any items not specifically addressed in this report should comply with the CBC and the requirements of the governing jurisdiction.

These preliminary recommendations are based upon the geotechnical conditions encountered at the site by others in 1968, 1973 and 2008, and may be augmented by additional requirements of the architect/engineer, or by additional recommendations provided by the geotechnical engineer based on conditions exposed at the time of construction. If Earth Systems Pacific is not retained to provide construction observation and testing services, it shall not be responsible for the interpretation of the information by others or any consequences arising therefrom.

This document, the data, conclusions, and recommendations contained herein are the property of Earth Systems Pacific. This report shall be used in its entirety, with no individual sections reproduced or used out of context. Copies may be made only by Earth Systems Pacific, the client, and the client's authorized agents for use exclusively on the subject project. Any other use is subject to federal copyright laws and the written approval of Earth Systems Pacific.

If there are any questions concerning this update, please do not hesitate to contact the undersigned.

Sincerely,
Earth Systems Pacific

Fred J. Potthast, GE
Principal Engineer

8/4/15

REGISTERED PROFESSIONAL ENGINEER FREDERICK J. POTTHAST No. GE 2369 EXP. 03/31/16 GEOTECHNICAL STATE OF CALIFORNIA

Attachments: Appendix A - Boring Location Map, ESP 2008 – 1 page
Boring Logs 1 through 4, ESP 2008 – 4 pages
Appendix B - Laboratory Test Results, ESP 2008 – 4 pages
Appendix C - Vehicular Traffic Categories – Page 3-1, UFC 2004 – 1 page

Copy to: Ausonio, Inc., Attn.: Mr. Dustin Conner

Doc. No.: 1507-211.RPT/nf

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TECHNICAL REFERENCES

ACI (American Concrete Institute). 2004. Guide for Concrete Floor and Slab Construction. Document 302.1R04.

ACI (American Concrete Institute). 2010. Guide to Slabs-on-Ground. Documents 360R-10.

ASCE (American Society of Civil Engineers). ASCE. 2013. Minimum Design Loads for Buildings and other Structures (7-10, with 2013 Updates).

Caltrans (California Department of Transportation). 2010. Standard Specifications, Section 26, Aggregate Bases.

ESP (Earth Systems Pacific). May 7, 2015. Updated Geotechnical Engineering Recommendations, Monterey Conference Center – Lobby Enlargement, 1 Portola Plaza, Monterey, California

ESP (Earth Systems Pacific). October 17, 2008. Geotechnical Investigation Report, Monterey Conference Center Paver Evaluation, Monterey, California

Europa Technologies. 2015. U.S. Department of State Geographer. *Google Earth Website*. Retrieved from: http://www.google.com/earth/index.html

SOM/GLS (Skidmore, Owings & Merrill LLP/GLS Landscape Architecture). July 15, 2015. Conceptual Plans for Portola Plaza Reconstruction

UFC (Unified Facilities Criteria). 16 January 2004. "Pavement Design for Roads, Streets, Walks and Open Storage Areas. UFC 3-250-01FA.

USGS (United States Geological Survey). 2015. "Earthquake Hazards Program." United States Geological Survey. Retrieved from: http://earthquake.usgs.gov/hazards/designmaps/

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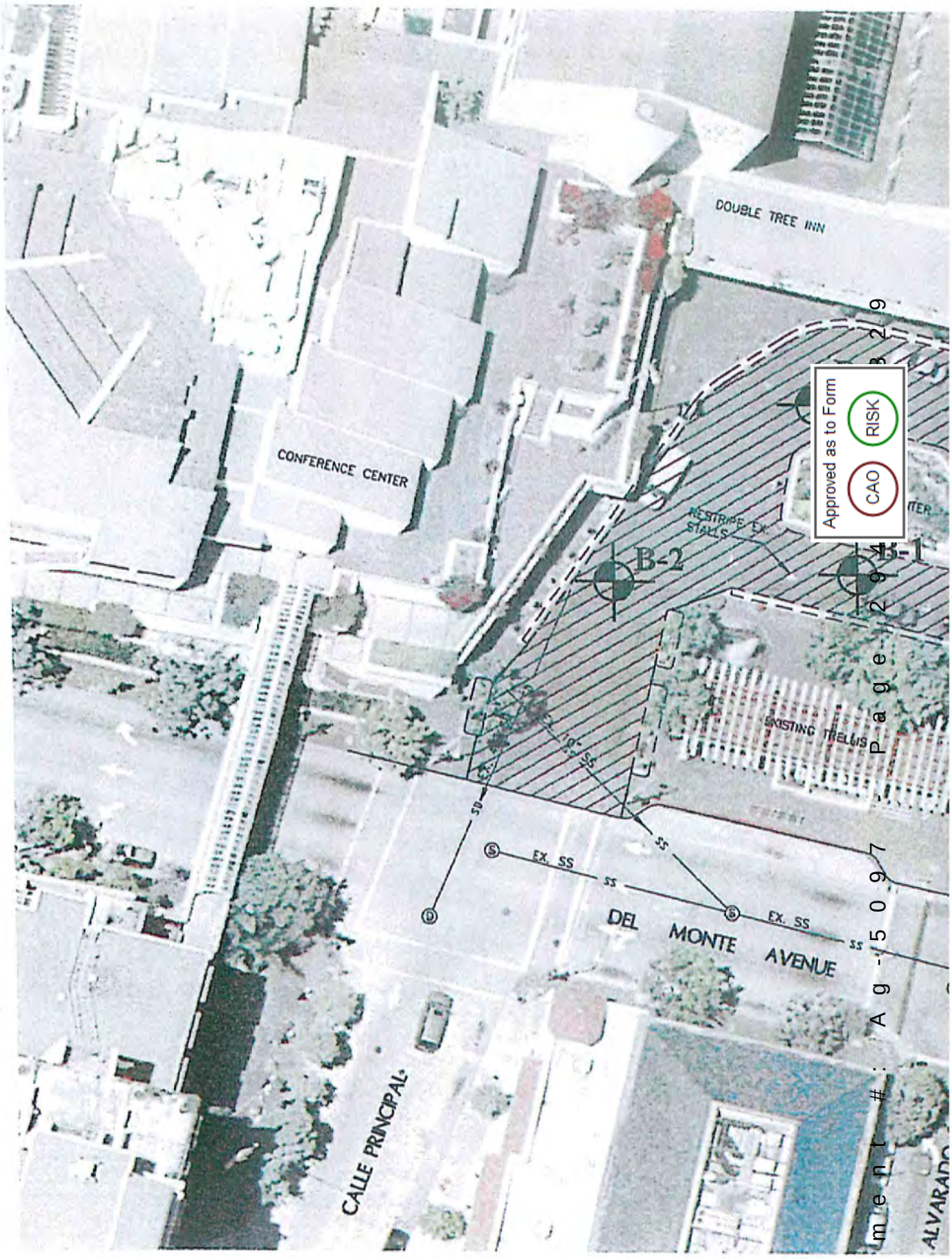
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APPENDIX A

Boring Location Map, 2008
Boring Logs, 2008

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Earth Systems Pacific

LOGGED BY: G. Barnett
DRILL RIG: B-53
AUGER TYPE: 8" Hollow Stem

Boring No. 1
PAGE 1 OF 1
JOB NO.: SH-10981-SA
DATE: 09/11/08

MONTEREY CONFERENCE CENTER
PAVER EVALUATION
One Portola Plaza
Monterey, California

DEPTH (feet)	USCS CLASS	SYMBOL	SOIL DESCRIPTION	SAMPLE DATA: INTERVAL (feet)	SAMPLE TYPE	DRY DENSITY (pcf)	MOISTURE (%)	BLOWS PER 12 IN.
0			4" PCC/2" AB					
1	SM		Light brown SILTY SAND, moist, very dense	1.0–4.0	○			
1				1.0–2.5	▬	104.9	7.6	50/4"
2						107.3	13.9	
2			–brown					
3			–organic odor	3.0–4.0	□	128.1	8.1	50/6"
3						113.8	9.8	
4			–dark brown, medium dense	4.0–5.5	●			15
5								
6			End of Boring @ 5.5'					
6			No subsurface water encountered					
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								

LEGEND: ▬ Ring Sample ○ Bulk Sample □ Shelby Tube Sample ● SPT

NOTE: This log of subsurface conditions is a simplification of actual conditions encountered. It applies at the location and time of drilling. Subsurface conditions may differ at other locations and times.

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Earth Systems Pacific

LOGGED BY: G. Barnett
DRILL RIG: B-53
AUGER TYPE: 8" Hollow Stem

Boring No. 2
PAGE 1 OF 1
JOB NO.: SH-10981-SA
DATE: 09/11/08

MONTEREY CONFERENCE CENTER
PAVER EVALUATION
One Portola Plaza
Monterey, California

DEPTH (feet)	USCS CLASS	SYMBOL	SOIL DESCRIPTION	SAMPLE DATA: INTERVAL (feet)	SAMPLE TYPE	DRY DENSITY (pcf)	MOISTURE (%)	BLOWS PER 12 IN.
0			4" PCC/3" AB					
1	SM		Grayish brown SILTY SAND, moist, very dense	1.0–4.0	○			
				1.0–2.0	■	117.0	8.7	50/6"
2						119.6	9.0	
			–brick layer drill cuttings with consistency of medium dense silty to clayey sand	2.5–4.0	■			19
3								
4			–brown silty sand, moist, very dense	4.0–5.5	●			50/4"
5								
6			End of Boring @ 5.5'					
			No subsurface water encountered					
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								

LEGEND: ■ Ring Sample ○ Bulk Sample ▭ Shelby Tube Sample ● SPT

NOTE: This log of subsurface conditions is a simplification of actual conditions encountered. It applies at the location and time of drilling. Subsurface conditions may differ at other locations and times.

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Earth Systems Pacific

LOGGED BY: G. Barnett
DRILL RIG: B-53
AUGER TYPE: 8" Hollow Stem

Boring No. 3
PAGE 1 OF 1
JOB NO.: SH-10981-SA
DATE: 09/11/08

MONTEREY CONFERENCE CENTER
PAVER EVALUATION
One Portola Plaza
Monterey, California

DEPTH (feet)	USCS CLASS	SYMBOL	SOIL DESCRIPTION	SAMPLE DATA: INTERVAL (feet)	SAMPLE TYPE	DRY DENSITY (pcf)	MOISTURE (%)	BLOWS PER 12 IN.
0			5" PCC/1.5" AB					
1	SM		Grayish brown SILTY SAND, moist, medium dense	1.0–4.0	○			
				1.0–2.5	▬	112.0	9.5	19
2								
				2.5–4.0	▬	121.7	9.4	56
3			–light brown, dense			125.3	9.6	
4			–hard object (storm drain pipe?)					
			End of Boring @ 4.0'					
5			No subsurface water encountered					
6								
7								
8								
9								
10								
11								
12								
13								
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15								
16								
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20								
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26								

LEGEND: ▬ Ring Sample ○ Bulk Sample ▭ Shelby Tube Sample ● SPT

NOTE: This log of subsurface conditions is a simplification of actual conditions encountered. It applies at the location and time of drilling. Subsurface conditions may differ at other locations and times.

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Earth Systems Pacific

Boring No. 4
PAGE 1 OF 1

LOGGED BY: G. Barnett
DRILL RIG: B-53
AUGER TYPE: 8" Hollow Stem

JOB NO.: SH-10981-SA
DATE: 09/11/08

MONTEREY CONFERENCE CENTER
PAVER EVALUATION
One Portola Plaza
Monterey, California

DEPTH (feet)	USCS CLASS	SYMBOL	SOIL DESCRIPTION	SAMPLE DATA: INTERVAL (feet)	SAMPLE TYPE	DRY DENSITY (pcf)	MOISTURE (%)	BLOWS PER 12 IN.
0			4" PCC/2.5" AB					
1	SM		Dark brown SILTY SAND, moist, very dense	1.0–4.0	○			
				1.0–2.5	▬	128.1	7.1	50/4"
2			–some gravel					
3	SP		Light yellow brown POORLY GRADED SAND, slightly moist, dense, fine grained	2.5–4.0	▬	94.3	2.6	58
4				4.0–5.5	●			49
5	SM		Dark brown SILTY SAND with gravel, moist, very dense					
6			End of Boring @ 5.5'					
7			No subsurface water encountered					
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								

LEGEND: ▬ Ring Sample ○ Bulk Sample ▭ Shelby Tube Sample ● SPT

NOTE: This log of subsurface conditions is a simplification of actual conditions encountered. It applies at the location and time of drilling. Subsurface conditions may differ at other locations and times.

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APPENDIX B

Laboratory Test Results, 2008

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Monterey Conference Center Paver Evaluation SH-10981-SA

BULK DENSITY TEST RESULTS

ASTM D 2937-04 (modified for ring liners)

September, 2008

BORING NO.	DEPTH feet	MOISTURE CONTENT, %	WET DENSITY, pcf	DRY DENSITY, pcf
B-1	1.5 - 2.0	7.6	113.0	104.9
B-1	2.0 - 2.5	13.9	122.2	107.3
B-1	3.0 - 3.5	8.1	138.4	128.1
B-1	3.5 - 4.0	9.8	125.0	113.8
B-2	1.0 - 1.5	8.7	127.2	117.0
B-2	1.5 - 2.0	9.0	130.4	119.6
B-3	2.0 - 2.5	9.5	122.6	112.0
B-3	3.0 - 3.5	9.4	133.1	121.7
B-3	3.5 - 4.0	9.6	137.3	125.3
B-4	2.0 - 2.5	7.1	137.1	128.1
B-4	3.0 - 3.5	2.6	96.7	94.3

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Monterey Conference Center Paver Evaluation SH-10981-SA

PARTICLE SIZE ANALYSIS

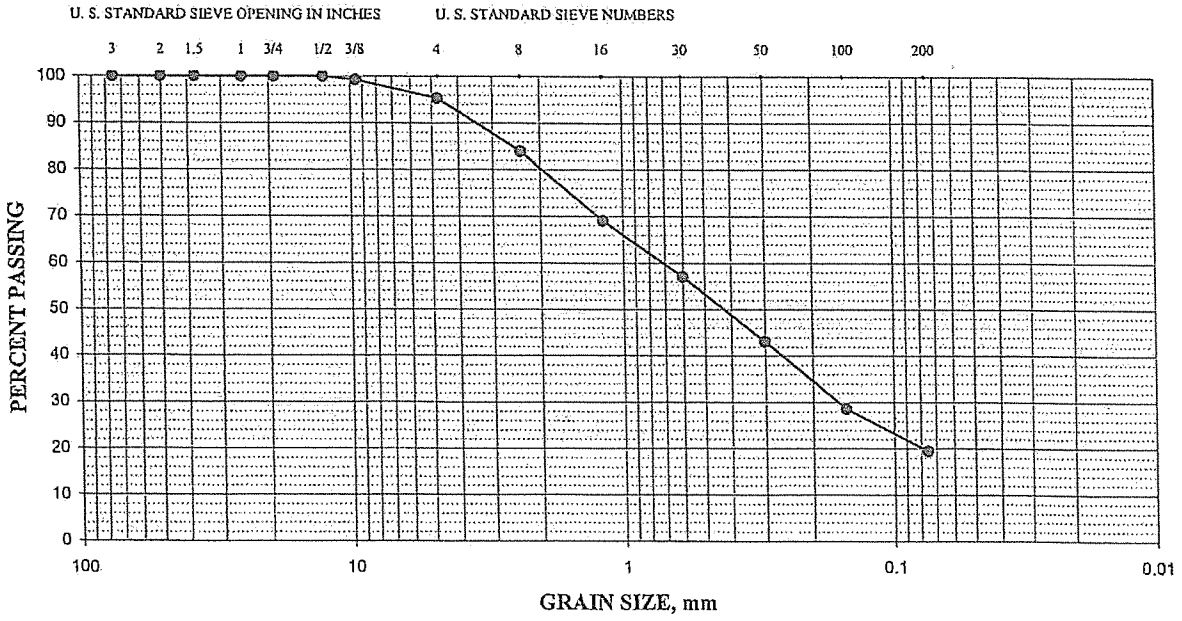
ASTM D 422-07; D 1140-06

Boring #1 @ 2.0 - 2.5'

September, 2008

Light brown Silty Sand (SM)

Sieve size	% Retained	% Passing
3" (75-mm)	0	100
2" (50-mm)	0	100
1.5" (37.5-mm)	0	100
1" (25-mm)	0	100
3/4" (19-mm)	0	100
1/2" (12.5-mm)	0	100
3/8" (9.5-mm)	1	99
#4 (4.75-mm)	5	95
#8 (2.36-mm)	16	84
#16 (1.18-mm)	31	69
#30 (600-µm)	43	57
#50 (300-µm)	57	43
#100 (150-µm)	71	29
#200 (75-µm)	80	20



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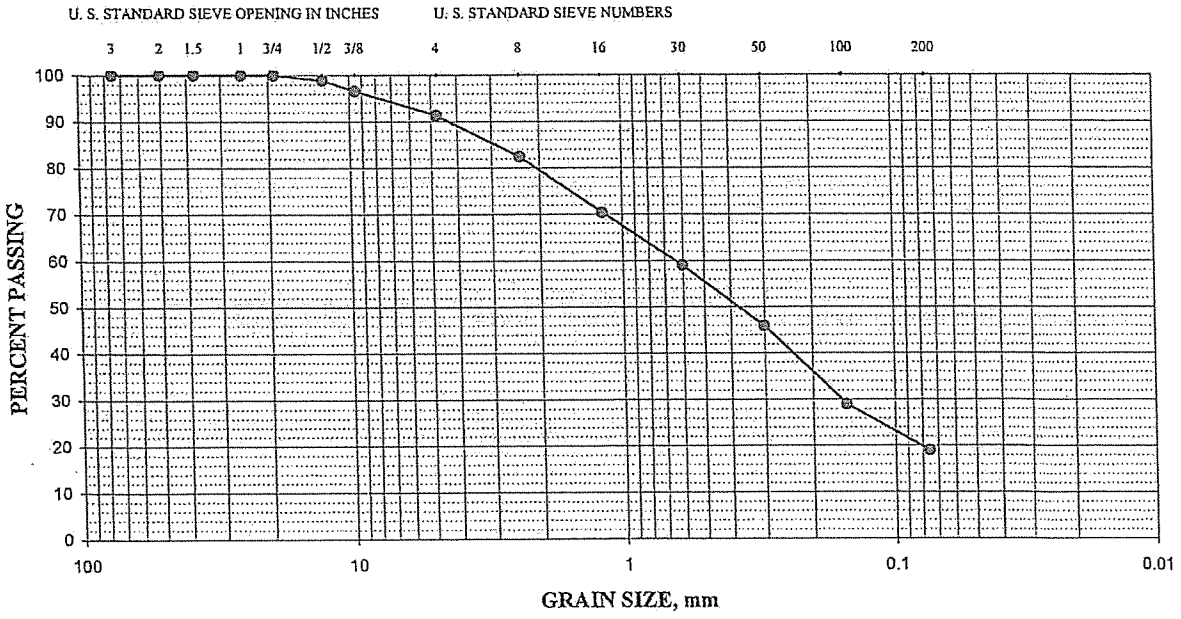
PARTICLE SIZE ANALYSIS

ASTM D 422-07; D 1140-06

Boring #2 @ 1.5 - 2.0' September, 2008

Grayish brown Silty Sand (SM)

Sieve size	% Retained	% Passing
3" (75-mm)	0	100
2" (50-mm)	0	100
1.5" (37.5-mm)	0	100
1" (25-mm)	0	100
3/4" (19-mm)	0	100
1/2" (12.5-mm)	1	99
3/8" (9.5-mm)	3	97
#4 (4.75-mm)	9	91
#8 (2.36-mm)	18	82
#16 (1.18-mm)	30	70
#30 (600-µm)	41	59
#50 (300-µm)	54	46
#100 (150-µm)	71	29
#200 (75-µm)	81	19



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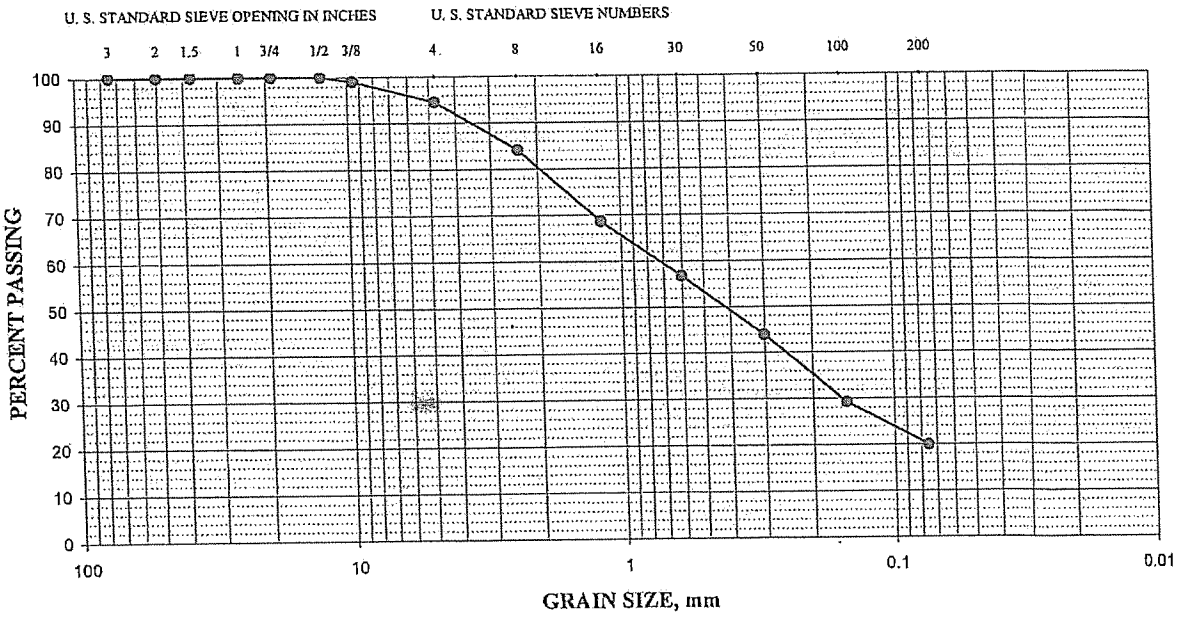
PARTICLE SIZE ANALYSIS

ASTM D 422-07; D 1140-06

September, 2008

Boring #3 @ 2.0 - 2.5'
Grayish brown Silty Sand (SM)

Sieve size	% Retained	% Passing
3" (75-mm)	0	100
2" (50-mm)	0	100
1.5" (37.5-mm)	0	100
1" (25-mm)	0	100
3/4" (19-mm)	0	100
1/2" (12.5-mm)	0	100
3/8" (9.5-mm)	1	99
#4 (4.75-mm)	5	95
#8 (2.36-mm)	16	84
#16 (1.18-mm)	31	69
#30 (600-µm)	43	57
#50 (300-µm)	56	44
#100 (150-µm)	71	29
#200 (75-µm)	80	20



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MOISTURE-DENSITY COMPACTION TEST

ASTM D 1557-07 (Modified)

PROCEDURE USED: A

PREPARATION METHOD: Moist

RAMMER TYPE: Mechanical

SPECIFIC GRAVITY: 2.65 (assumed)

September 26, 2008

Boring #3 @ 1.0 - 4.0'

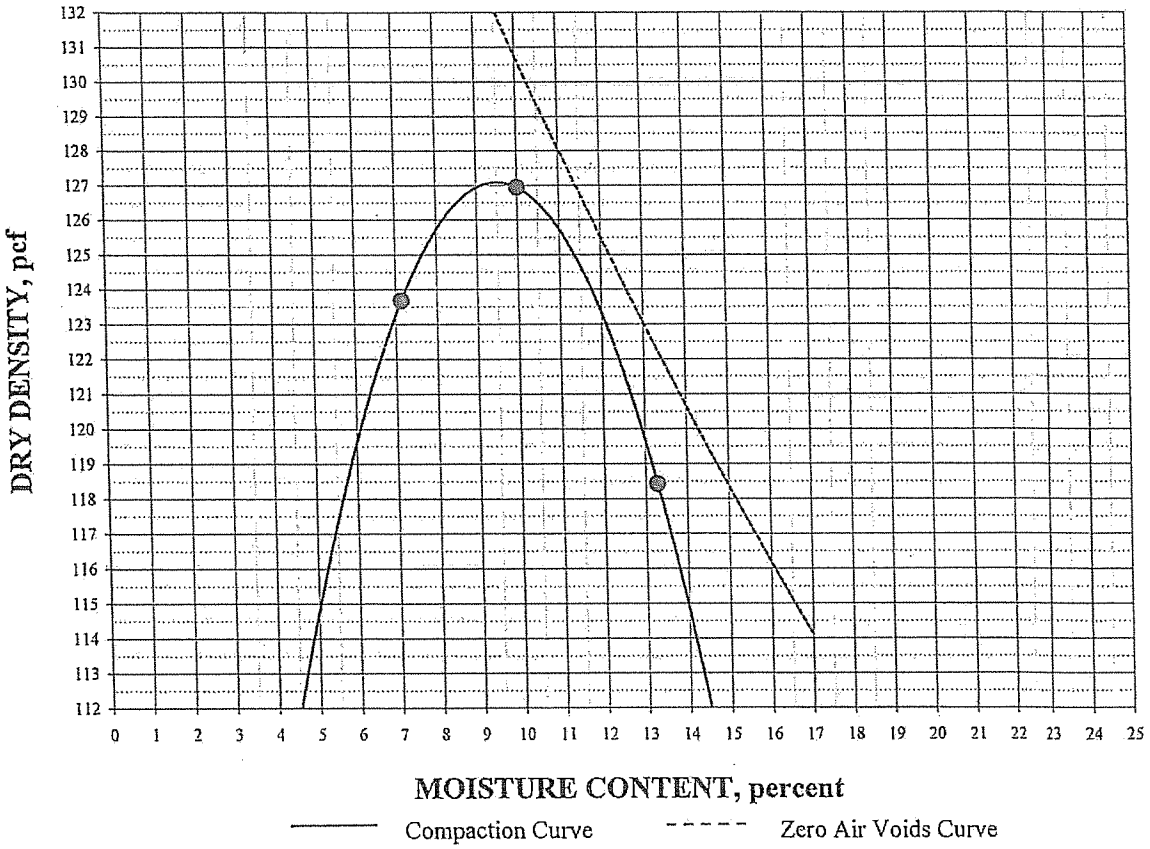
Grayish brown Silty Sand (SM)

SIEVE DATA:

Sieve Size	% Retained
3/4"	0
3/8"	0
#4	0

MAXIMUM DRY DENSITY: 127.1 pc

OPTIMUM MOISTURE: 9.5%



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Monterey Conference Center Paver Evaluation SH-10981-SA

RESISTANCE 'R' VALUE AND EXPANSION PRESSURE

ASTM D 2844-07

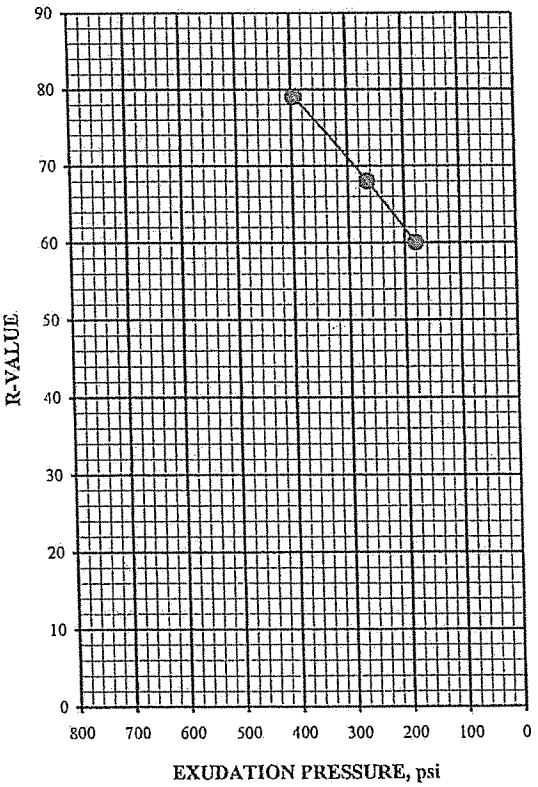
September 26, 2008

Boring #3 @ 1.0 - 4.0'
Grayish brown Silty Sand (SM)

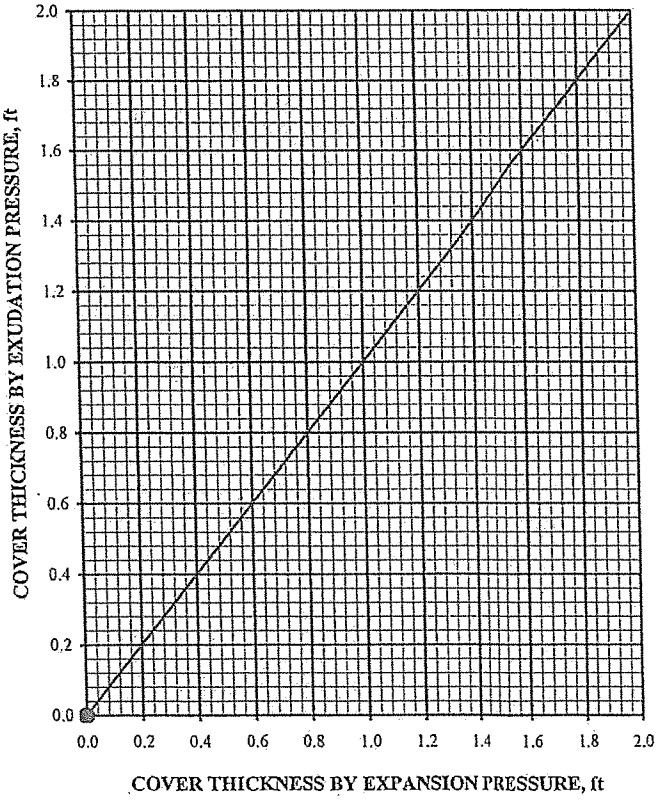
Dry Density @ 300 psi Exudation Pressure: 115.0-pcf
%Moisture @ 300 psi Exudation Pressure: 12.2%
R-Value - Exudation Pressure
R-Value - Expansion Pressure:
R-Value @ Equilibrium

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EXUDATION PRESSURE CHART



EXPANSION PRESSURE CHART



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Monterey Conference Center Paver Evaluation SH-10981-SA

RESISTANCE 'R' VALUE AND EXPANSION PRESSURE

ASTM D 2844-07

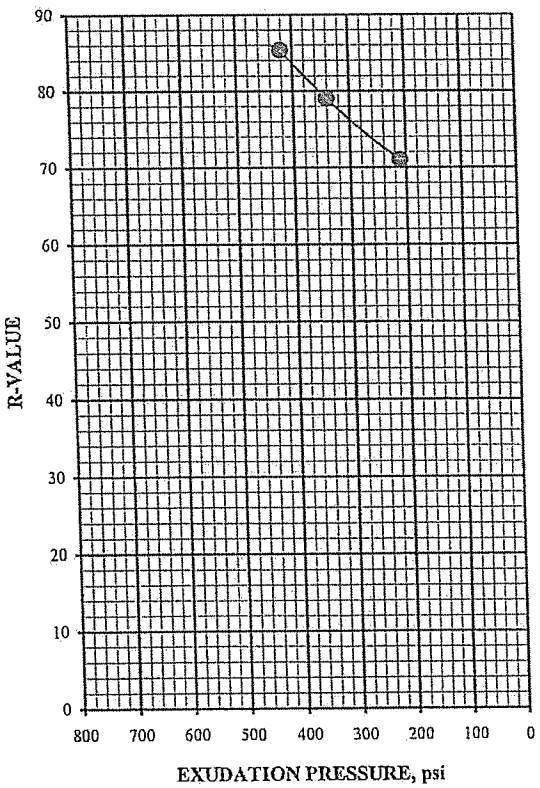
September 26, 2008

Boring #4 @ 1.0 - 4.0'
Brown Silty to Poorly Graded Sand (SM/SP)

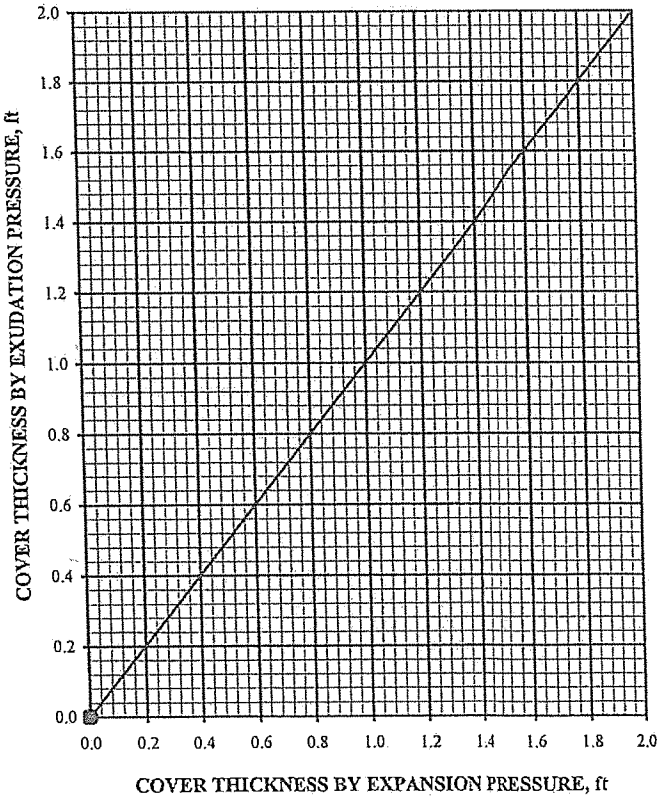
Dry Density @ 300 psi Exudation Pressure: 116.9-pcf
%Moisture @ 300 psi Exudation Pressure: 11.2%
R-Value - Exudation Pressure:
R-Value - Expansion Pressure:
R-Value @ Equilibrium:

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EXUDATION PRESSURE CHART



EXPANSION PRESSURE CHART



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Monterey Conference Center Paver Evaluation SH-10981-SA

PARTICLE SIZE ANALYSIS

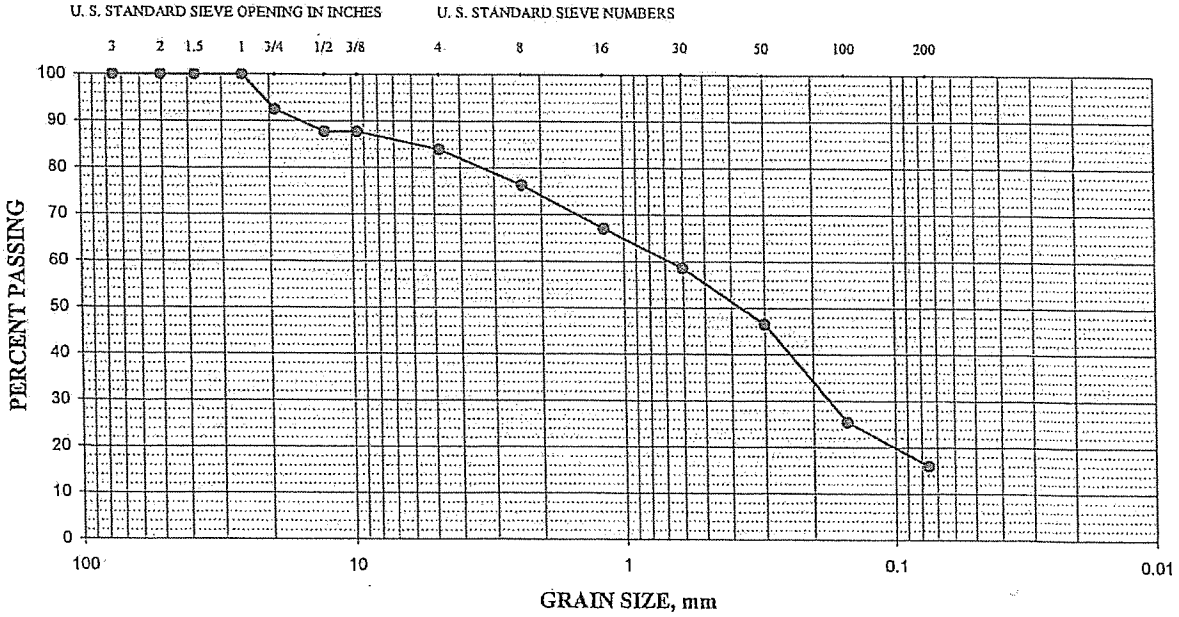
ASTM D 422-07; D 1140-06

Boring #4 @ 2.0 - 2.5'

September, 2008

Dark brown Silty Sand with gravel (SM)

Sieve size	% Retained	% Passing
3" (75-mm)	0	100
2" (50-mm)	0	100
1.5" (37.5-mm)	0	100
1" (25-mm)	0	100
3/4" (19-mm)	8	92
1/2" (12.5-mm)	12	88
3/8" (9.5-mm)	12	88
#4 (4.75-mm)	16	84
#8 (2.36-mm)	24	76
#16 (1.18-mm)	33	67
#30 (600-µm)	41	59
#50 (300-µm)	53	47
#100 (150-µm)	75	25
#200 (75-µm)	84	16



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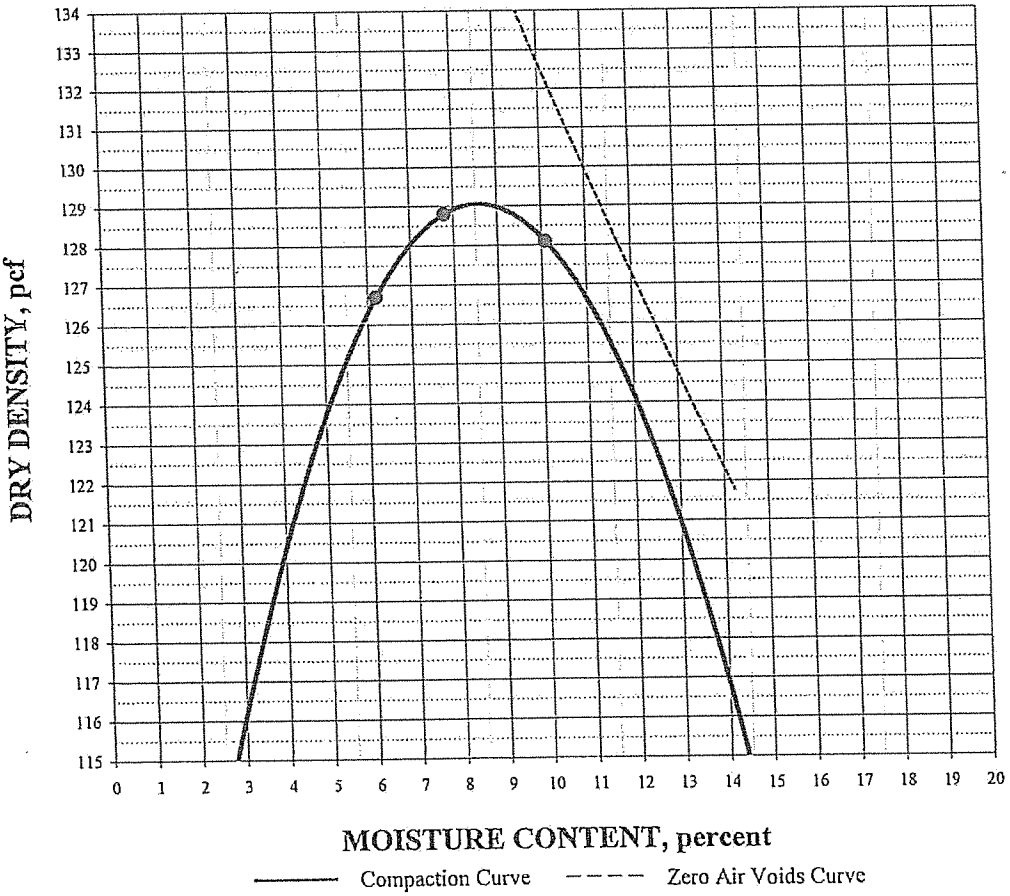
MAXIMUM DENSITY / OPTIMUM MOISTURE ASTM D 1557-07 (Modified)

September, 2008

Brown Silty Sand (SM)
B-1, Bag A @ 1.0-4.0'

MAXIMUM DENSITY: 129.0 pcf
OPTIMUM MOISTURE: 9.0%

PROCEDURE USED: A
PREPARATION METHOD: Moist
RAMMER TYPE: Manual
SPECIFIC GRAVITY: 2.70 (assumed)



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APPENDIX C

Vehicular Traffic Categories, Page 301, UFC 2004

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CHAPTER 3
VEHICULAR TRAFFIC

3-1. Effect on Pavement Design.

Pavement thickness must be designed to withstand the anticipated traffic, categorized by type and weight of vehicles, and measured by average daily volume (ADV) of each type for the design life of the pavement. For most pavements, the magnitude of the axle load is of greater importance than the gross weight of pneumatic-tired vehicles because axle spacings are generally so large that there is little interaction between the wheel loads of one axle and the wheel loads of the other axles. Thus, for the case of pneumatic-tired vehicles having equal axle loads, the increased severity of loading imposed by conventional four- or five-axle trucks as compared with that imposed by two- or three-axle trucks is largely a fatigue effect resulting from an increased number of load repetitions per vehicle operation. For forklift trucks where the loading is concentrated largely on a single axle and for tracked vehicles where the loading is evenly divided between the two tracks, the severity of the vehicle loading is a function of the gross weight of the vehicle and the frequency of loading. Relations between load repetition and required rigid pavement thickness developed from accelerated traffic tests of full-scale pavements have shown that, for any given vehicle, increasing the gross weight by as little as 10 percent can be equivalent to increasing the volume of traffic by as much as 300 to 400 percent. On this basis, the magnitude of the vehicle loading must be considered as a more significant factor in the design of pavements than the number of load repetitions.

3-2. Traffic Evaluation.

Procedures for the evaluation of traffic and selection of design index are as follows.

a. Pneumatic-tired vehicles. To aid in evaluating vehicular traffic for the purpose of pavement design, pneumatic-tired vehicles have been divided into the following three groups —

Group 1. Passenger cars, panel trucks, and pickup trucks
Group 2. Two-axle trucks
Group 3. Three-, four-, and five-axle trucks

The design weights for various pneumatic-tired vehicles have been based on average weights, as determined from Federal Highway Administration traffic surveys made on public highways, plus one-fourth of the difference between these average weights and the maximum allowable weights. For group 2 and group 3 vehicles, maximum allowable weights are based on single-axle and tandem-axle loadings not exceeding 18,000 and 32,000 pounds, respectively. Since traffic rarely will be composed of vehicles from a single group, pneumatic-tired vehicular traffic has been classified into five general categories based on the distribution of vehicles from each of the three groups listed above. These traffic categories are defined as follows —

Category I. Traffic composed primarily of passenger cars, panel and pickup trucks (group 1 vehicles), but containing not more than 1 percent two-axle trucks (group 2 vehicles).

Category II. Traffic composed primarily of passenger cars, panel and pickup trucks (group 1 vehicles), but may contain as much as 10 percent two-axle trucks (group 2 vehicles). No trucks having three or more axles (group 3 vehicles) are permitted in this category.

Category III. Traffic containing as much as 15 percent trucks, but with not more than 1 percent of the total traffic composed of trucks having three or more axles (group 3 vehicles).

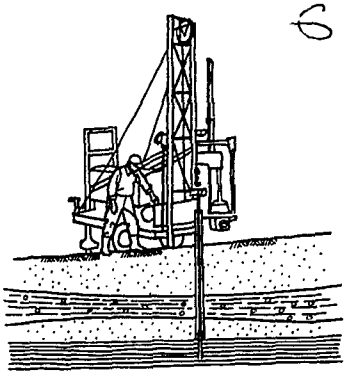
Category IV. Traffic containing as much as 25 percent trucks, but with not more than 10 percent of the total traffic composed of trucks having three or more axles group 3 vehicles).

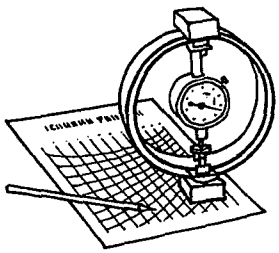
Category IVA. Traffic containing more than 25 percent trucks.

b. Tracked vehicles and forklift trucks. Tracked vehicles having gross weights not exceeding 15,000 pounds and forklift trucks having gross weights not exceeding 6,000 pounds may be treated as two-axle trucks (group 2 vehicles) and substituted for trucks of this type in the traffic categories defined above on a one-for-one basis. Tracked vehicles having gross weights exceeding 15,000 pounds but not 40,000 pounds and forklift trucks having gross weights exceeding 6,000 pounds but not 10,000 pounds may be treated as group 3 vehicles and substituted for trucks having three or more axles in the appropriate traffic categories on a on-for-one basis. Traffic composed of tracked vehicles exceeding 40,000 pounds gross weight and forklift trucks exceeding 10,000 pounds gross weight has been divided into the following three categories —

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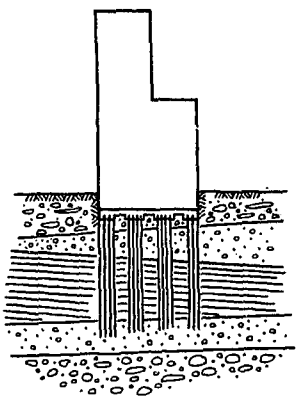
400009

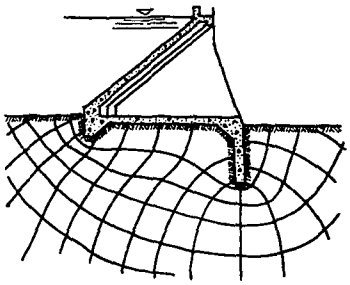




SOIL AND FOUNDATION INVESTIGATION
CUSTOM HOUSE CONVENTION CENTER
MONTEREY, CALIFORNIA

November 29, 1973





Lee and Praszker

CONSULTING CIVIL ENGINEERS

147 NATOMA ST · SAN FRANCISCO 94105 · 392-4866

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SOIL AND FOUNDATION INVESTIGATION
CUSTOM HOUSE CONVENTION CENTER
MONTEREY, CALIFORNIA

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I-N-D-E-X

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LIST OF DIAGRAMS

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2	Sections A-A and B-B
3	Typical Drainage Along West Building Line

APPENDICES

A	Boring Logs

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SOIL AND FOUNDATION INVESTIGATION
CUSTOM HOUSE CONVENTION CENTER
MONTEREY, CALIFORNIA

1. INTRODUCTION

This report presents the results of a foundation investigation for the proposed Monterey Custom's House Convention Center, consisting of exhibition halls, a ballroom and convention food catering facilities. The convention center is part of a larger development, which will include attached but separately financed hotel and garage structures; the area of the larger development is bounded by Pacific, Del Monte and Tyler Streets, in Monterey, California. The relation of the Convention Center to the over-all project can be seen on the Over-All Plot Plan, Diagram 1.

Environmental considerations may necessitate further architectural and structural changes in the over-all project. However, this report was prepared following what is believed to be the final structural configuration of the buildings and their foundation loading. Should unforeseen drastic changes arise, modification of this report may be required.

Previous investigations of the site were made by this office in connection with a proposed Penny Store and Garage complex, and results and recommendations were embodied in our reports of March 14, 1969 and July 29, 1970. The proposed Penny development envisioned excavations to maximum depth of 50 feet below the then existing ground surface. The then proposed structures were to be supported on shallow

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spread footing foundations.

All the soil information developed in the previous reports was utilized in connection with this current investigation which was necessitated by the unique foundation loads of four main columns for the Convention Center. Moreover, the foundation level of the Custom House Convention Center is at appreciably different soil horizons from those of the Penny project.

This investigation was performed in accordance with our proposal of June 29, 1973. The Architects for the project are Van Bourg, Nakamura, Katsura, Karney, Inc. of Oakland, California, and the Structural Engineers are T. Y. Lin International of San Francisco, California, with whom continual conferences were had during the preparation of this report.

2. SCOPE

The scope of the work performed for this investigation included six (6) exploratory borings to a maximum depth of 50 feet, laboratory testing, evaluation of field and laboratory data, technical analyses and the preparation of this report. The purpose of the investigation was to develop soil strength parameters, based upon which foundation types and load capacities are recommended herein for the support of the heavily loaded columns. Recommendations relating to soil parameters contained in our previous report were reviewed and necessary revisions were made for their incorporation in the presently proposed structures; general guide lines for foundation installation are also presented.

LEE AND PRASZKER

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3. SITE DESCRIPTION

The site for the proposed Convention Center is located south of Fisherman's Wharf in Monterey, California; it is also directly southwest of the old Monterey Custom House. It fronts on Pacific Street (220 ft.), Del Monte Street (185 ft.) and Calle Principale Street (220 ft.). The north property adjoins the future Fisherman's Wharf Hotel, as is seen on the Over-All Plot Plan, Diagram 1.

In 1969 the site was cleared of residential and commercial structures by the Monterey Urban Renewal Agency . The area has since then been vacant. The property is mostly level at elevation 20 to 24 feet*, except near the Pacific Street property line, where the ground surface rises abruptly to the approximate Pacific Street elevation of 50± feet*. There has been intermittent grading since the original clearing of the site. There is a similar but flatter upward slope from the generally level site, along most of the length of Del Monte Street.

The character of the site's neighborhood is generally that of old single family dwellings with occassional commercial structures.

*City of Monterey Datum

4. PROPOSED STRUCTURE

The Convention Center as presently proposed is to be a two story reinforced concrete structure with a first floor elevation of approxi-

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mately +22 feet* and with exhibition halls, ballroom, and convention food catering facilities. Several stories of structural steel hotel rooms may surmount the convention center in the future. Specific column spacings and loads are not known at this time, but they are likely to be in the range of 1500 tons for the heaviest four columns.

*City of Monterey Datum

5. GEOLOGY

The project site is situated near the center of the 35 mile wide northwest-southeast tending Salinian Block, which is a geologic belt defined on its east side by the San Andreas fault zone and on its west side by the Sur-Nacimiento fault zone (see Fig. 1). Interestingly, the Salinian Block, a dominantly intrusive igneous continental deposit, is flanked on both the east and west by the marine deposited Franciscan assemblage.

Within the Salinian Block itself, the jobsite rests on a uniform slope of the natural drainage basin of the 800+ foot high Huckleberry Hill, which lies west-southwest of the jobsite. Both Huckleberry Hill and the jobsite approximately 800 feet below, are made up of porphyritic biotitic granodiorite of Cretaceous Age. While the site is in a drainage basin, little of the sub-surface materials at the jobsite are alluvially deposited. That is, most of the soil at the site is in-place decomposed granitic rock.

The granodiorite is locally fractured and jointed so that decomposition of materials proceeds not only in the normal manner from the surface

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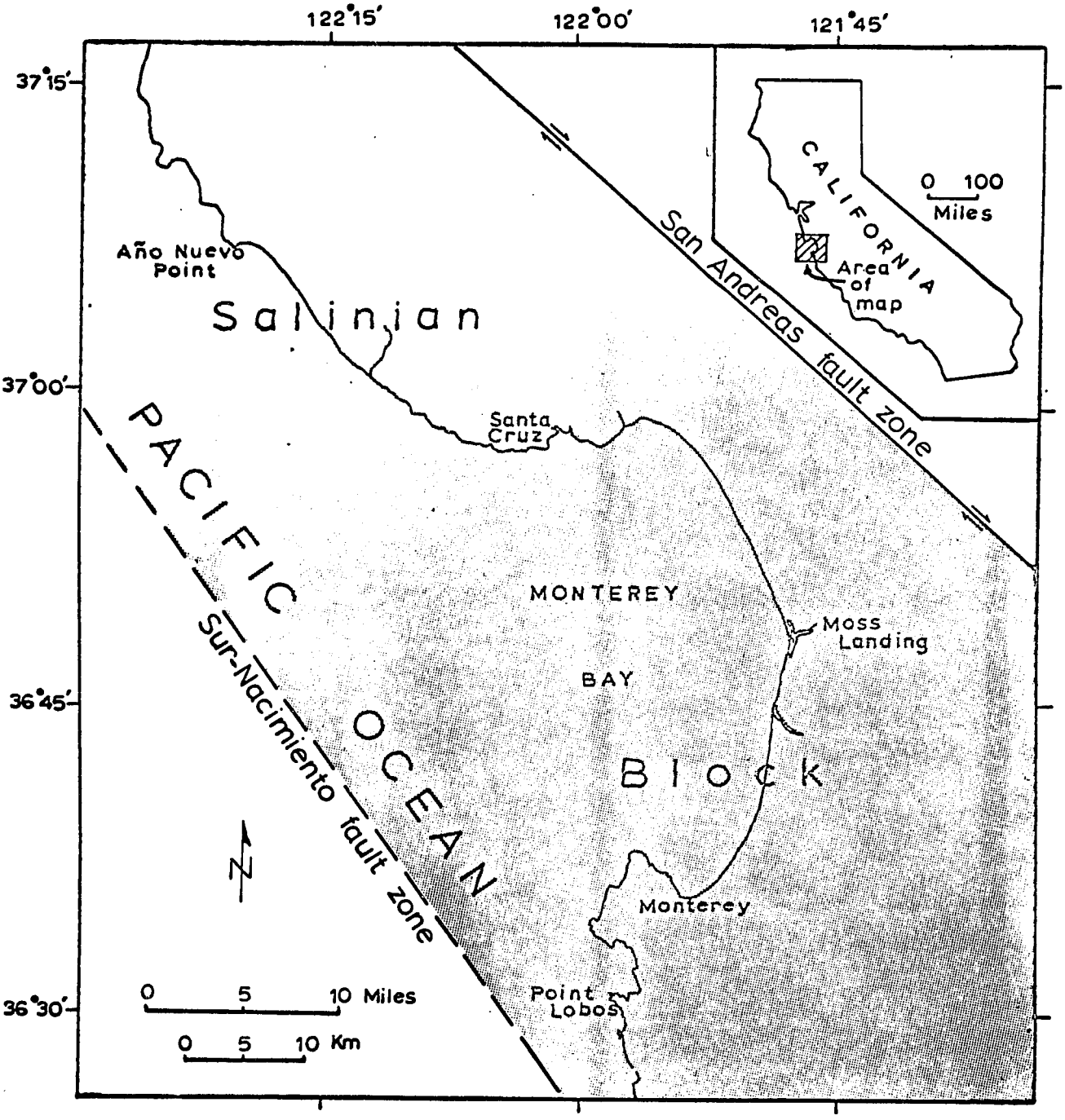


FIGURE 1

"DEFINATION OF SALINIAN BLOCK"

From HUD Publication 58
by US Geologic Survey, 1973

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downward but also radially from the fractures into sound rock. The cause of the chemical weathering is carbonic acid which is typically created when rain water picks up carbon dioxide from decaying vegetation and the atmosphere. The weak carbonic acid, which permeates the rock from the surface and along fracture planes, attacks vulnerable feldspar and mica minerals, while having little or no effect on the more stable quartz. After intensive weathering, the granodiorite, which was approximately 1/2 feldspar and mica and 1/2 quartz, becomes a heterogeneous mixture of quartz sand in a koalinite clay matrix and partly decomposed granodiorite, or what is commonly called "grus".

Seismically, most of the faulting within the general area of the site tends southeast-northwest, as do the two faults which define the Salinian Block itself. Most of the faulting near the site, which gives rise to both horizontal and vertical movement, is associated with stress relief of the San Andreas fault approximately 25 miles to the northeast. The Chupines fault system, which skirts the City of Monterey and the jobsite to the northeast, is probably active today. The said fault, which has been defined north of the site under Monterey Bay by geophysical methods and south of the site by geologic mapping, is unmapped in the area nearest to the jobsite. In the event that the two mapped portions of the Chupineas fault system are continuous, a line connecting the mapped portions of the fault would probably enter the ocean near Seaside. In any case, no evidence of faulting or any shear zone of any fualt system was encountered during our field investigation.

Clearly, the seismicity of the Monterey Bay area is significant and strong bedrock motion must be anticipated during the economic life of any structure built in the area. In spite of the high seismicity of the area, the minimal depth of soil over bedrock within the immediate

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Fisherman's Wharf area, should minimize the possibility of bedrock acceleration amplification at the surface during an earthquake. Proof of the above survives with records of the 1906 San Francisco earthquake, wherein the Fisherman's Wharf area was relatively undamaged while nearby communities like Del Monte, overlying deep sand deposits, suffered significant damage.

6. TEST BORINGS

The subsurface soil and rock was investigated to determine the soundness of the underlying strata at the proposed locations of the 4 main column loads. Six (6) exploratory borings, of aggregate depth 286 feet and a maximum single hole depth of 50 feet, were made between July 27 and August 3, 1973. Piezometers were installed in all test borings, and groundwater readings were taken in each boring on two occasions within the time period of the field investigation. Additionally, a single 30 inch diameter, 4 foot bucket auger hole was drilled on August 3, 1973, to aid in determining the feasibility of drilled pier type foundations.

The exploratory drilling was performed by the J. N. Pitcher Company of Daly City, California using a truck mounted, Failing 750, rotary wash rig. The bucket auger drilling was done by Marina Plumbing Company of Marina, California, using a truck mounted, 30 inch, Caldweld 150A, bucket auger rig. All of the drilling and sampling was performed under the direction of a geologist from this office, who logged and classified the soil/rock in the field. Core samples of rocks and soils are available for inspection in our laboratory by interested parties or prospective contractors.

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Rates of drilling were observed in the field and entered on the boring logs which are attached herein as Appendix A. A numerical summary of test borings with pertinent data is as follows:

FIELD EXPLORATORY DATA

BORING NUMBER	DEPTH (FT.)	SURFACE ELEV. *	HIGHEST GROUND-WATER ELEV. *	NUMBER OF SAMPLES: 2.50 inch O.D. Modified Pitcher	NUMBER OF SAMPLES: NX Diamond Core
1	50	24	24	2	-
2	50	24	17	1	-
3	50	21	13	-	-
4***	36	23	-	-	-
4B	50	23	13	1	-
5	50	20	10	-	4
6**	4	24	16	Insitu Examination	
TOTALS	290			4	4

*City of Monterey Datum

**Drilled with Bucket Auger

*** Lost hole due to mechanical failure, relocated to 4B

7. LABORATORY TESTING

Only 2 volumetric tests were made on typical rock samples from foundation horizons. Test results of rock and soil tests from other locations and horizons were used from previous reports, and no additional new tests were deemed necessary.

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8. SOIL PROFILES

Soil profiles A-A and B-B, Diagram 2, the locations of which are shown in plan view on Diagram 1, have been prepared from test boring data together with information contained in our previous reports. As shown in the soil profiles, Diagram 2, all materials except for a minor amount of imported fill is in-place granodironite bedrock varying in degree of weathering.

The weathered granite or "grus" can best be characterized as a coarse quartz sand mixed with a white plastic kaolinite clay. While the percentage of clay can vary greatly from place to place within the "grus", the clay fraction seldom dominates the quartz sand in such a way as to give the total deposit clay-like engineering characteristics.

9. RECOMMENDATIONS AND CONCLUSIONS

A. General

The site, in its present condition, is underlain by granite rock which is fairly weathered and partly decomposed, both the decomposition and weathering decreasing with depth. Although there may be some erratic local pockets of clay, which could be a product of the decomposed granite or transported material through percolation in rock crevices, such clay pockets are not likely to be of sufficient areal extent to interfere with the supporting capacity of the rock.

The bearing capacity of the rock at foundation horizons is competent

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to support concentrated loads with only minimial embedments. The effect of groundwater, which will be treated later on in this report, will not appreciably influence the bearing capacity of the rock as the foundation material has a relatively high value of cohesion.

B. Foundations

The main purpose of this current investigation was to determine safe foundation types, and bearing capacities to support four relatively high foundation loads on the order of 1500 tons each. Test results show that a safe bearing capacity of 15 kips per square foot may be used for the support of the four columns, which would necessitate a footing size of approximately 14 ft. x 14 ft. The minimum required embedment of such footings is 5 feet. These values appear practical and are, therefore, recommended for design. The bearing values may be increased by 1/3 for wind loads and/or earthquake forces.

For smaller footings, other than the four columns, bearing capacities should be limited to 9 kips KSF with a minimum embedment of 3 feet. Similarly these values may be increased by 1/3 for wind loads and/or earthquake forces.

Footing excavations should be inspected by a representative of this office prior to placement of steel in order to ascertain that no extensive clay layers have been uncovered in the footings. If clay is uncovered that footing must be extended until firm rock is reached. The deepening of such footings, if any, is not likely to exceed several feet.

C. Lateral Soil Pressures

Cantilevered retaining walls should be designed for lateral soil

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pressures of 30 lbs. per square foot per foot, whereas basement walls should be designed for 45 PSF per foot. Hydrostatic pressures due to groundwater must be added to the soil pressures. The design hydrostatic pressures will depend upon the groundwater treatment, if any, provided in the design of the structure, which will be discussed later on in this report.

Passive resistance to lateral loads on footings may be provided by using equivalent passive pressures of 300 lbs. per square foot per foot against the embedded footing face. Additional lateral resistance may be obtained by using a friction co-efficient of 0.4 between concrete footings and rock.

D. Groundwater, Groundwater Treatment and Slab-On-Grade

Both the 1968 soil exploration and the current soil exploration show the presence of relatively high groundwater in the rock body. The source of this groundwater has not been ascertained, but provisions must be incorporated in design for its elimination, unless the structure is to be designed for up-lift.

In the case of the proposed building it is seen from Profile A-A that the lowest floor elevation is +22 feet while the lowest curb elevation is +20 feet. The exact level of groundwater has not been ascertained due to the irregularity of the ground surface of the site; however, in 1968 prior to the grading of the site the groundwater elevation was measured at +28 feet, while in this current exploration the groundwater elevation was measured at +24 feet. With the existing foundation and conditions as stated above it is relatively easy to provide an outlet for groundwater at elevation +20 feet or lower by gravity flow. It will be necessary to facilitate groundwater flow under the building by

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provisions of an adequate rock or gravel blanket under the ground floor slab as shown in Diagram 3. The outlet at or below elevation +20 feet should connect to a near-by storm drain.

If this system is executed there will be no necessity of providing against hydrostatic pressures for basement walls. However, lowest basement floor slabs resting on ground should be treated against groundwater for temporary malfunction of sub-drain system.

E. Fills and Backfills

Where existing grades are below finish floor grade, it will be necessary to place fill to bring the grade up to sub-grade for first floor. It may also be necessary to remove locally uncontrolled fills whose ground surface is below floor level. The attached guide lines should be used for the selection and placement of such fills.

Where footings are formed and not placed neat against footing excavation faces, satisfactory backfilling by hand tamping will have to be carried out to the satisfaction of the Soil Engineer. In either case on-site material may be used.

10. LIMITATIONS

This report necessarily assumes uniform variation of soils between test borings. If any unusual conditions, such as soft pockets or unusually high groundwater are encountered when making excavations, the owner or his representative should notify the Soil Engineer immediately, so that supplementary recommendations can be made.

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This report is issued with the understanding that it is the responsibility of the owner or his representative to ensure that the applicable provisions of the recommendations contained herein are called to the attention of the Architect and Structural Engineers and incorporated into the plans and that the necessary steps are taken to see that the contractor and sub-contractors carry out such provisions in the field.

The use of this report, its contents, or any part thereof by a party, or its agents, other than the one to whom this report is addressed, is herewith disallowed.

The use of any information contained in this report for purposes other than those expressedly stated in the report is at the user's own risk.

Respectfully submitted,

LEE & PRASZKER

Michael Praszker

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DIAGRAMS

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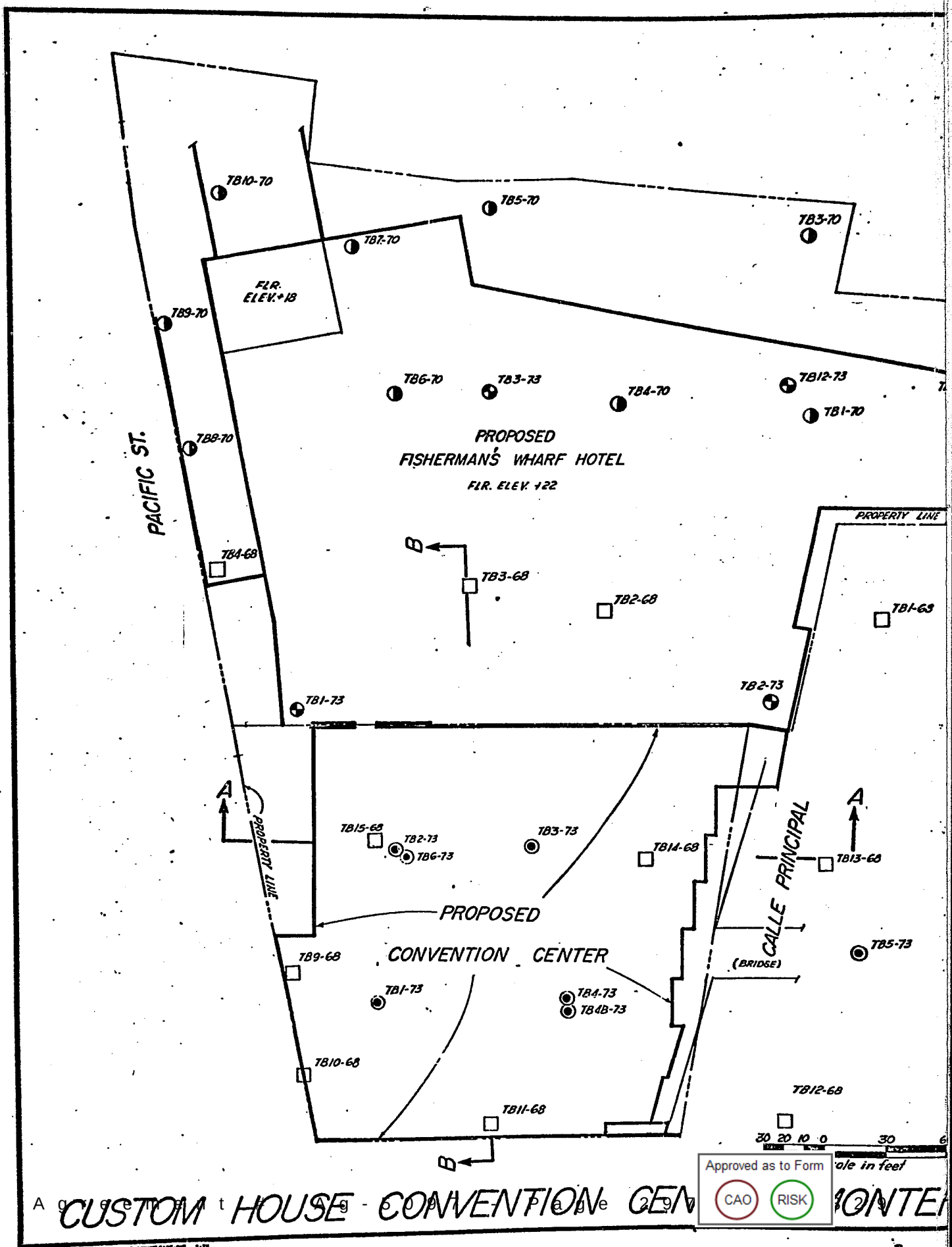
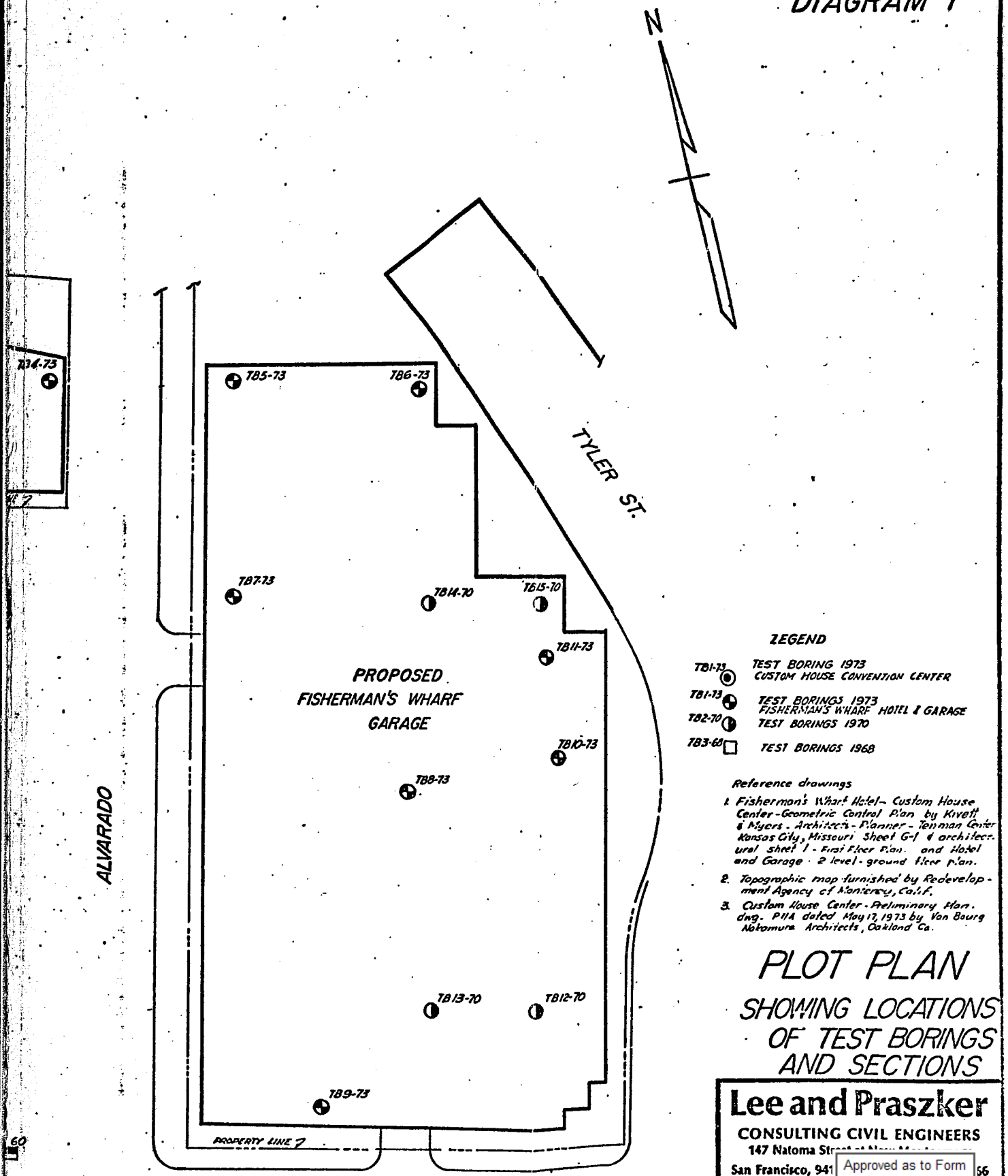

TB10-70
TB5-70
TB3-70
TB7-70
FLR. ELEV.+13
TB9-70
TB6-70
TB3-73
TB4-70
TB12-73
TB1-70
TB8-70
PACIFIC ST.
PROPOSED
FISHERMAN'S WHARF HOTEL
FLR. ELEV. +22
PROPERTY LINE
B
TB4-68
TB3-68
TB2-68
TB1-68
TB1-73
TB2-73
A
PROPERTY LINE
TB15-68
TB2-73
TB6-73
TB3-73
TB14-68
CALLE PRINCIPAL
A
TB13-68
PROPOSED
CONVENTION CENTER
TB9-68
TB1-73
TB4-73
TB4B-73
(BRIDGE)
TB5-73
TB10-68
TB12-68
TB11-68
B
30 20 10 0 30
CUSTOM HOUSE - CONVENTION CEN
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DIAGRAM 1



LEGEND

- TB1-73 — TEST BORING 1973 CUSTOM HOUSE CONVENTION CENTER
- TB1-73 — TEST BORINGS 1973 FISHERMAN'S WHARF HOTEL & GARAGE
- TB2-70 — TEST BORINGS 1970
- TB3-68 — TEST BORINGS 1968

Reference drawings

1. Fisherman's Wharf Hotel – Custom House Center – Geometric Control Plan by Kivett & Myers. Architects - Planner - Jenman Center Kansas City, Missouri Sheet G-1 & architectural sheet 1 - First Floor Plan. and Hotel and Garage - 2 level - ground floor plan.
2. Topographic map furnished by Redevelopment Agency of Monterey, Calif.
3. Custom House Center - Preliminary Plan. dwg. P11A dated May 17, 1973 by Van Bourg Nakamura Architects, Oakland Ca.

PLOT PLAN

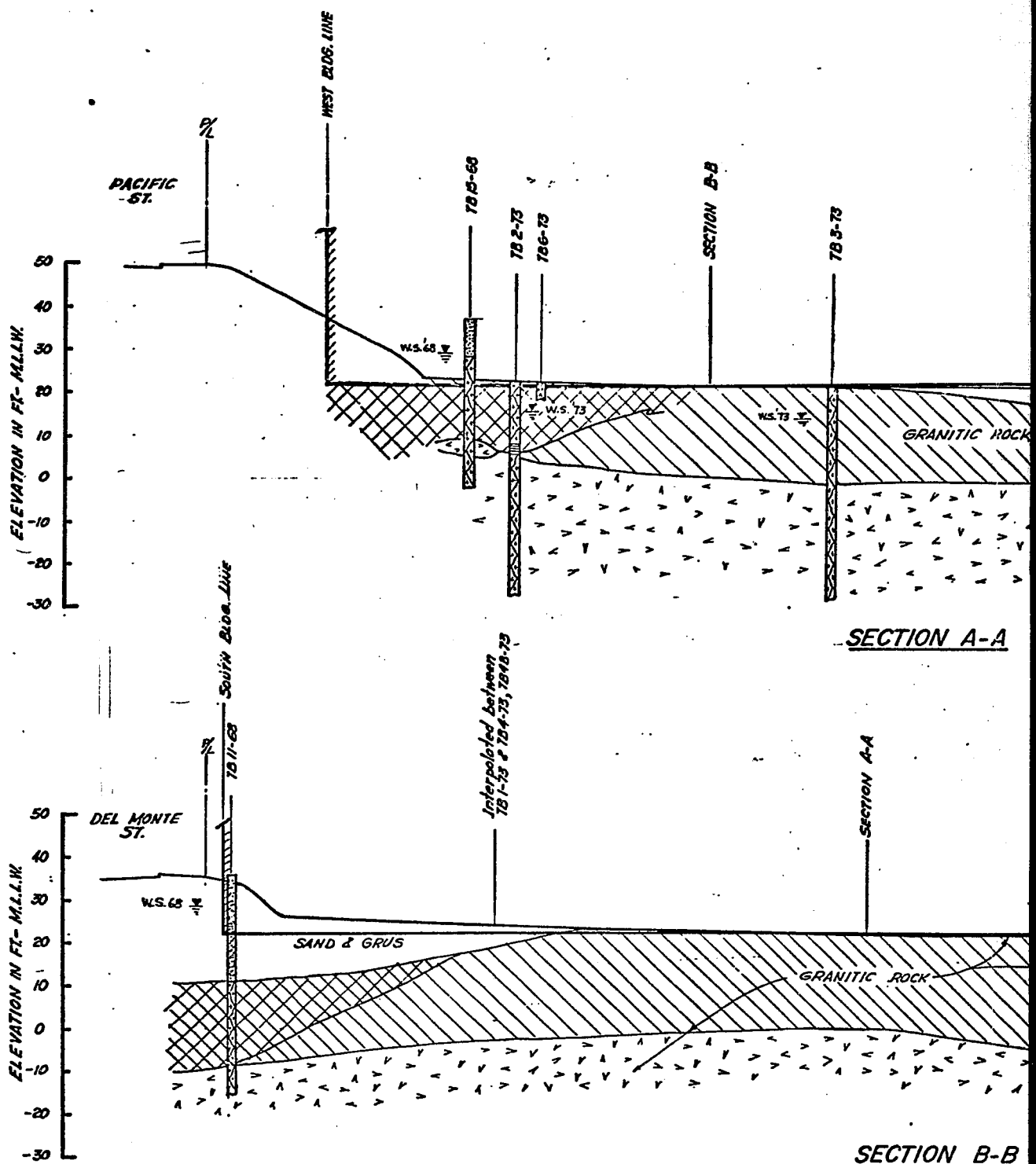
SHOWING LOCATIONS OF TEST BORINGS AND SECTIONS

Lee and Praszker
CONSULTING CIVIL ENGINEERS
147 Natoma Street
San Francisco, 941 56

DRAWN BY: FW
CHECKED BY: JR 9 7
APPROVED: AK

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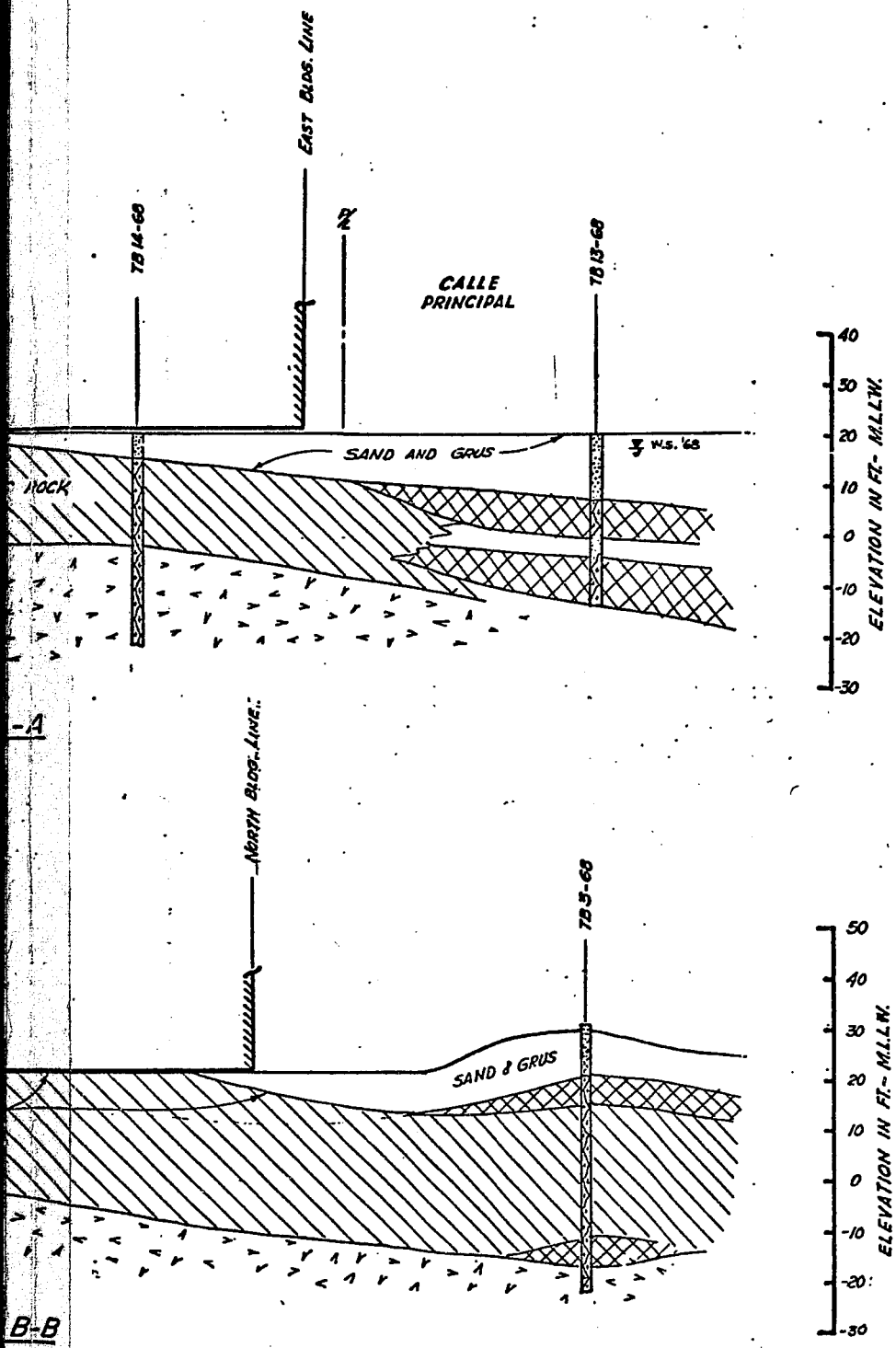
REY, CALIF.



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CUSTOM HOUSE - CONVENTION CE[illegible] CONTER

DIAGRAM 2



LEGEND

WS '68 ▽ Water Surface 1968

	SAND AND/OR GRUS
	WEATHERED GRANITE
	SLIGHTLY WEATHERED GRANITE
	UNWEATHERED GRANITE

SECTIONS A-A AND B-B

SCALE
10 5 0 10 20 30 40
feet

Lee and Praszker
CONSULTING CIVIL ENGINEERS
147 Natoma Street at New Montgomery
San Francisco, 94 166

DRAWN BY: EW
CHECKED BY: JRS 7
APPROVED: MP

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LEE & PRASZKER—CONSULTING ENGINEERS

Diag.3

Job No. L-564

By JR

Date 11/21/73

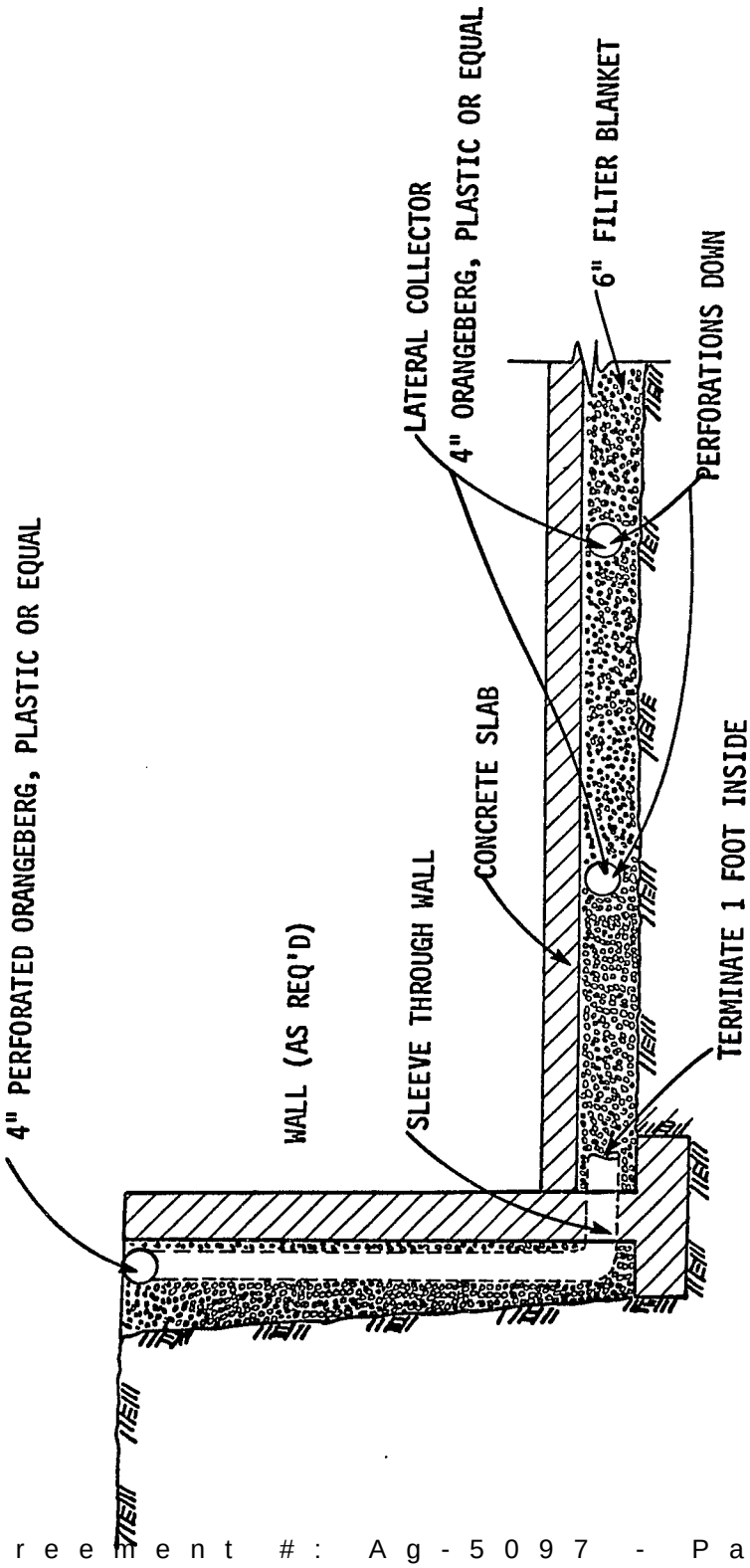
CUSTOM HOUSE CONVENTION CENTER

GROUNDWATER EQUILIBRATING SYSTEM

Sheet ___ of ___

Chk MP

Date 11/26/73



TYPICAL DRAINAGE ALONG WEST BUILDING LINE

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APPENDICES

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APPENDIX A
BORING LOGS

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NOTES ON SAMPLING PROCEDURE

1. Where indicated by the symbol  , samples were obtained with an 18 inch long, 2.50 inch diameter Modified Pitcher sampler, containing three 6 inch long sampling tubes.

2. Where indicated by the symbol  , samples were obtained by diamond coring with a 2.4 inch diameter NX bit.

3. Soils encountered in test boring #6, which was drilled with a bucket auger, were not sampled but examined in-place by the supervising geologist.

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FILE NO L-564 LOG OF BORING TB-1 DIAGRAM A-1

JOB CUSTOM HOUSE CENTER, MONTEREY DATE DRILLED 7/27/73 INSPECTOR EB

G.S. ELEV. 24 feet DRILLER J. N. Pitcher Co. RIG Failing 750 Rotary Wash

DEPTH FT.	ELEVATION FT.	LOG	% RECOVERY	DESCRIPTION
0	24			Water
				0-2' Orange brown, iron stained, decomposed Granite
				2'-22' Light bluish gray, with occasional streaks of rust orange, iron staining, fractured and weathered Granite
5	19			
				W_c= 7.9%, γ_m= 133 PCF
				γ_d= 123 PCF, e= 0.312
10	14			
15	9			@ 16 ft. very fractured
20	4			
				22'-50' Bluish gray, fractured Granite. No longer weathered
25	-1			

DRILLING PRESSURE PSI: 200, 400, 600

DRILLING RATE minutes/inch: .2, .4, .6, .8, 1.0, 1.2, 1.4

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FILE NO. L-564 LOG OF BORING TB-1 DIAGRAM A-1

JOB CUSTOM HOUSE CENTER, MONTEREY DATE DRILLED 7/27/73 INSPECTOR EB

G.S. ELEV. _____ DRILLER J. N. Pitcher Co. RIG Failing 750 Rotary Wash

DEPTH FT.	ELEVATION FT.	LOG	% RECOVERY	DESCRIPTION	DRILLING PRESSURE PSI (200, 400, 600)	DRILLING RATE minutes/inch (.2, .4, .6, .8, 1.0, 1.2, 1.4)
25	-1			Bluish gray, fractured Granite		
30	-6					
35	-11					
40	-16					
45	-21					
50	-26			Bottom of boring 50 feet below ground surface at elevation -26 feet.		

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FILE NO. L-564 LOG OF BORING TB-2 DIAGRAM A-2

JOB CUSTOM HOUSE CENTER, MONTEREY DATE DRILLED 7/31/73 INSPECTOR EB

G.S. ELEV. 24 feet DRILLER J. N. Pitcher Co. RIG Failing 750 Rotary Wash

DEPTH FT.	ELEVATION FT.	LOG	% RECOVERY	DESCRIPTION
0	24			0-1' Orange brown, decomposed Granite
				1'-50' Blue grey, with iron stained streaks, weathered, fractured Granite
5	19			Water at 7 feet
				@ 8 ft. No longer weathered
10	14			
15	9			16'-17' Some ½" Zones of clay gouge
20	4			
25	-1			

DRILLING PRESSURE PSI: 200, 400, 600

DRILLING RATE minutes/inch: .2, .4, .6, .8, 1.0, 1.2, 1.4

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FILE NO. 1-564 LOG OF BORING TB-2 DIAGRAM A-2

JOB CUSTOM HOUSE CENTER, MONTEREY DATE DRILLED 7/31/73 INSPECTOR EB

G.S. ELEV. _____ DRILLER J. N. Pitcher Co. RIG Failing 750 Rotary Wash

DEPTH FT.	ELEVATION FT.	LOG	% RECOVERY	DESCRIPTION	DRILLING PRESSURE PSI (200, 400, 600)	DRILLING RATE minutes/inch (.2, .4, .6, .8, 1.0, 1.2, 1.4)
25	-1			Blue grey, with streaks of orange iron staining, fractured Granite		
30	-6					
35	-11					
40	-16					
45	-21					
50	-26			Bottom of boring 50 feet below ground surface at elevation -26 feet		

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FILE NO. L-564 LOG OF BORING TB-3 DIAGRAM A-3

JOB CUSTOM HOUSE CENTER, MONTEREY DATE DRILLED 7/31/73 INSPECTOR EB

G.S. ELEV. 21 feet DRILLER J. N. Pitcher Co. RIG Failing 750 Rotary Wash

DEPTH FT.	ELEVATION FT.	LOG	% RECOVERY	DESCRIPTION
0	21			0-8' Orange brown to blue grey, slightly weathered and fractured Granite
5	16			
				Water at 8 feet
				8'-50' Blue grey with occasional orange rust iron staining streakes, fractured Granite
10	11			
15	6			17'-23' Higher degree of fracturing
20	1			
25	-4			

DRILLING PRESSURE PSI: 200, 400, 600

DRILLING RATE minutes/inch: .2, .4, .6, .8, 1.0, 1.2, 1.4

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FILE NO. J-564 LOG OF BORING TB-3 DIAGRAM A-3

JOB CUSTOM HOUSE CENTER, MONTEREY DATE DRILLED 7/31/73 INSPECTOR EB

G.S. ELEV. _____ DRILLER J. N. Pitcher Co. RIG Failing 750 Rotary Wash

DEPTH FT.	ELEVATION FT.	LOG	% RECOVERY	DESCRIPTION	DRILLING PRESSURE PSI (200, 400, 600)	DRILLING RATE minutes/inch (.2, .4, .6, .8, 1.0, 1.2, 1.4)
25	-4			Blue grey, with occasional rust orange iron stained streaks, fractured Granite		
30	-9					
35	-14					
40	-19					
45	-24					
50	-29			Bottom of boring 50 feet below ground surface at elevation -29 feet.		

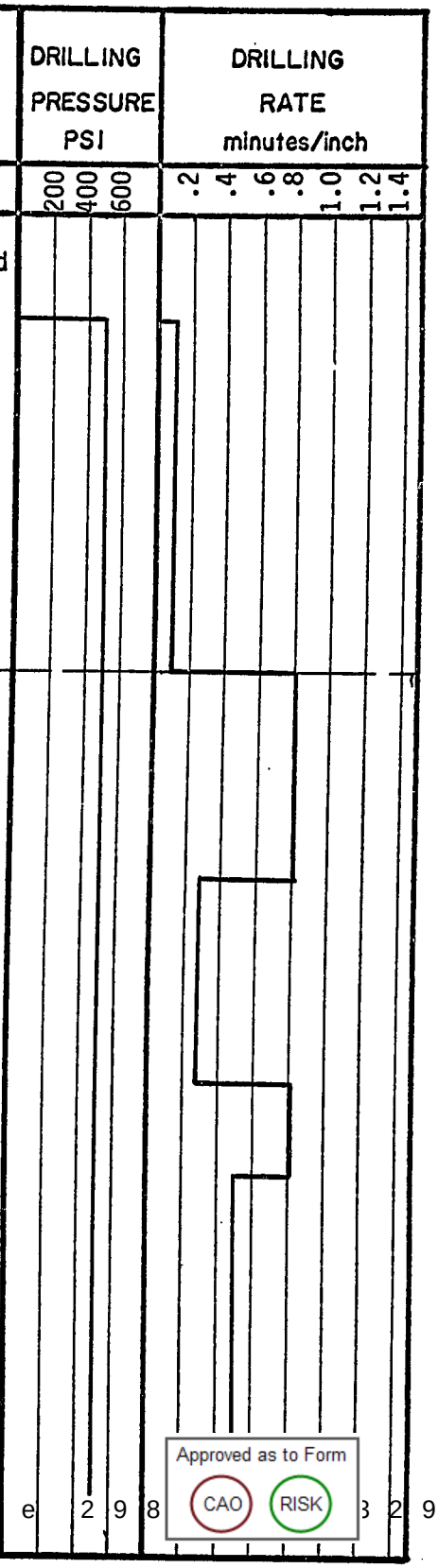
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FILE NO. L-564 LOG OF BORING TB-4 DIAGRAM A-4

JOB CUSTOM HOUSE CENTER, MONTEREY DATE DRILLED 8/1/73 INSPECTOR EB

G.S. ELEV. 23 feet DRILLER J. N. Pitcher Co. RIG Failing 750 Rotary Wash

DEPTH FT.	ELEVATION FT.	LOG	% RECOVERY	DESCRIPTION
0	23			0-9' Blue grey with streaks of rust orange iron staining very fractured Granite
5	18			
10	13			9'-36' Blue grey with occasional streaks of rust orange iron staining, slightly fractured Granite
15	8			
20	3			
25	-2			



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FILE NO. 1-564

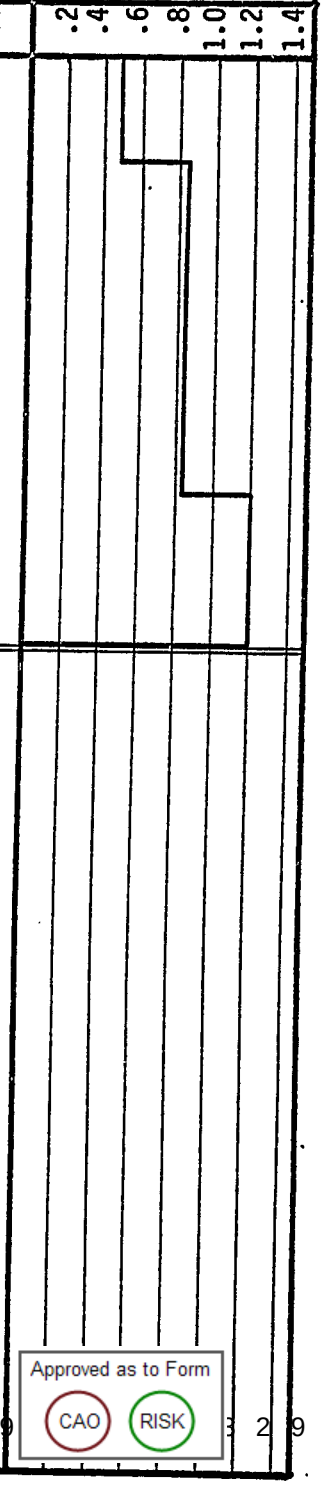
LOG OF BORING TB-4

DIAGRAM A-4

JOB CUSTOM HOUSE CENTER, MONTEREY DATE DRILLED 8/1/73 INSPECTOR EB

G.S. ELEV. _____ DRILLER J. N. Pitcher Co. RIG Failing 750 Rotary Wash

DEPTH FT.	ELEVATION FT.	LOG	% RECOVERY	DESCRIPTION	DRILLING PRESSURE PSI (200, 400, 600)	DRILLING RATE minutes/inch (.2, .4, .6, .8, 1.0, 1.2, 1.4)
25	-2			9'-36' Blue grey with occasional streaks of rust orange iron staining, slightly fractured Granite		
30	-7					
35	-12					
				Bottom of boring 36 feet below ground surface at elevation -13 feet.		
40						
45						
50						



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FILE NO. L-564 LOG OF BORING TB-4b DIAGRAM A-4b

JOB CUSTOM HOUSE CENTER, MONTEREY DATE DRILLED 8/3/73 INSPECTOR EB

G.S. ELEV. 23 feet DRILLER J. N. Pitcher Co. RIG Failing 750 Rotary Wash

DEPTH FT.	ELEVATION FT.	LOG	% RECOVERY	DESCRIPTION
0	23			0-15' Blue grey with occasional streaks of rust orange iron staining, very fractured Granite
5	18			
10	13			Water at 10 feet
				W_c = 2.7%, γ_m = 147 PCF
				γ_d = 143 PCF, e = 0.179
15	8			15'-50' Blue grey with occasional streaks of rust orange iron staining, slightly fractured Granite
20	3			
25	-2			

DRILLING PRESSURE PSI: 200, 400, 600

DRILLING RATE minutes/inch: .2, .4, .6, .8, 1.0, 1.2, 1.4

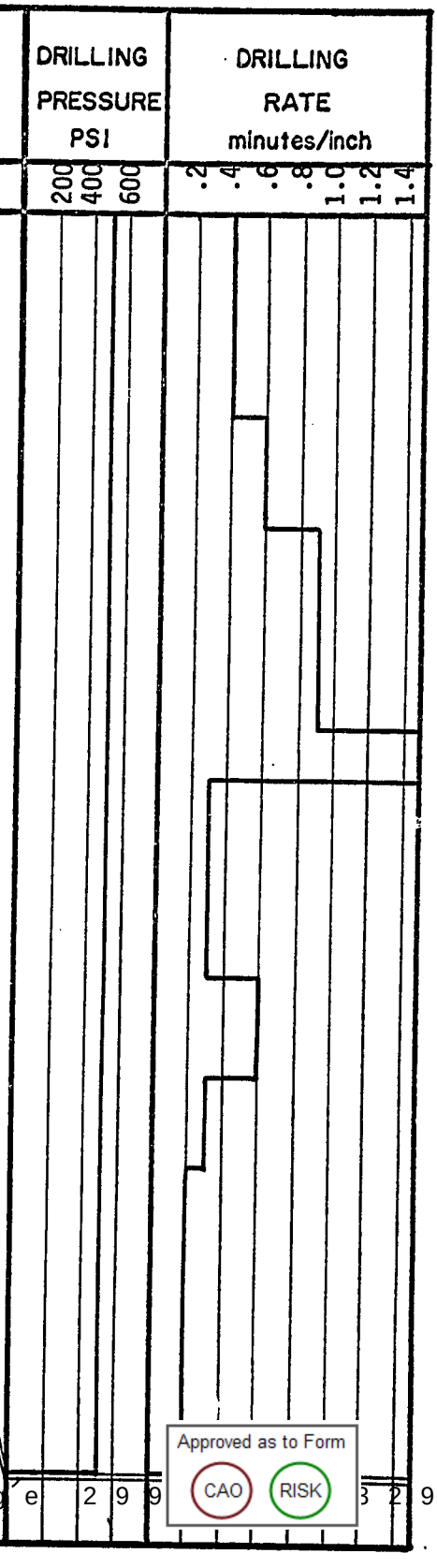
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FILE NO. L-564 LOG OF BORING TB-4b DIAGRAM A-4b

JOB CUSTOM HOUSE CENTER, MONTEREY DATE DRILLED 8/3/73 INSPECTOR EB

G.S. ELEV. _____ DRILLER J. N. Pitcher Co. RIG Failing 750 Rotary Wash

DEPTH FT.	ELEVATION FT.	LOG	% RECOVERY	DESCRIPTION
25	-2			Blue grey with occasional streaks of rust orange iron staining, slightly fractured Granite
30	-7			@ 29' - 36' Extremely hard Granite with very little fracturing
35	-12			
40	-17			
45	-22			
50	-27			Bottom of boring 50 feet below ground surface at elevation -27 feet



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FILE NO. L-564 LOG OF BORING TB-5 DIAGRAM A-5

JOB CUSTOM HOUSE CENTER, MONTEREY DATE DRILLED 8/3/73 INSPECTOR EB

G.S. ELEV. 20 feet DRILLER J. N. Pitcher Co. RIG Failing 750 Rotary Wash

DEPTH FT.	ELEVATION FT.	LOG	% RECOVERY	DESCRIPTION
0	20			
				0-2' Brown sand with brick debris (FILL)
				2'-10' Orange brown to blue grey, iron stained rust orange, decomposed to very weathered, Granite
5	15			
				Water @ 8 feet
10	10			10'-50' Blue grey, very fractured Granite with occasional blue-green gouge seams less than 1/16" thick
15	5		14	
20	0			
			83	
25	-5			

DRILLING PRESSURE PSI: 200, 400, 600

DRILLING RATE minutes/inch: .2, .4, .6, .8, 1.0, 1.2, 1.4

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FILE NO. L-564 LOG OF BORING TB-5 DIAGRAM A-5

JOB CUSTOM HOUSE CENTER, MONTEREY DATE DRILLED 8/3/73 INSPECTOR EB

G.S. ELEV. _____ DRILLER J. N. Pitcher Co. RIG Failing 750 Rotary Wash

DEPTH FT.	ELEVATION FT.	LOG	% RECOVERY	DESCRIPTION	DRILLING PRESSURE PSI (200, 400, 600)	DRILLING RATE minutes/inch (.2, .4, .6, .8, 1.0, 1.2, 1.4)
25	-5			10'-50' Blue grey, very fractured Granite with occasional blue-green gouge seams less than 1/16" thick		
30	-10					
35	-15		67			
40	-20			No thin gouge seams below 40 feet		
45	-25		62			
50	-30			Bottom of boring 50 feet below ground surface at elevation -30 feet		

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FILE NO L-564

LOG OF BORING TB-6

DIAGRAM A-6

JOB CUSTOM HOUSE CENTER, MONTEREY DATE DRILLED 8/8/73 INSPECTOR EB CHECK JR

G.S. ELEV 24 feet DRILLER Marina Plumbers RIG A150 Calweld Bucket Auger SAMPLER None

DEPTH FT	ELEV FT	LOG	SAMPLE	BLOWS/FT WT DROP	W. S. ELEV. ELEV.	DESCRIPTION	DRY UNIT WEIGHT PCF	MOISTURE % DRY WT.	VOID RATIO e
0	24			1		0-4' Orange rust grey, weathered and fractured GRANITE			
2									
4	20					Bottom of boring 4 feet below ground surface at elevation 20 feet			
6									

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APPENDIX G

Food Service Equipment

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TriMark
Foodservice Equipment, Supplies and Design
FEDERIGHI DESIGN

Project:
Monterey Conference Center - 1st Floor - Main Kitchen - PER K-1 - CUT SHEET BOOK
One Portola Place
580 Pacific Street
Monterey, CA 93940

From:
TriMark Federighi Design
Doug Rubardt
3423 Regatta Blvd.
Richmond, CA 94804-4594
(510) 236-2800
(510)236-2800 16 (Contact)
(415)350-1866 (Cell)
(510)236-8593 (Fax)
drubardt@trimarkusa.com

To:
Monterey Conference Center
Robert Cowdrey
One Portola Plaza
Monterey, CA 93940
831-646-3770
831-646-3770 (Contact)
831-277-1801 (Cell)
831-646-3777 (Fax)
cowdrey@monterey.org

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EXISTING NSF EQUIPMENT - BY OWNER (ITEM 4) 4
EXISTING NSF EQUIPMENT - BY OWNER (ITEM 5) 5
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EXISTING NSF EQUIPMENT - BY OWNER (ITEM 7) 7
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EQUIPMENT SPEC BOOK

06/01/2015

ITEM# 1 - EXISTING NSF EQUIPMENT (10 EA REQ'D)

O

EXISTING NSF equipment, cup and dish rack dolly, in good repair, to be re-used, per K-1 Plan.

<Existing>

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EQUIPMENT SPEC BOOK

06/01/2015

ITEM# 2 - EXISTING NSF EQUIPMENT (10 EA REQ'D)

O

EXISTING NSF equipment, poker chip cart, in good repair, to be re-used, per K-1 Plan.

<Existing>

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EQUIPMENT SPEC BOOK

06/01/2015

ITEM# 3 - EXISTING NSF EQUIPMENT (4 EA REQ'D)

O

EXISTING NSF equipment, Queen Mary cart, in good repair, to be re-used, per K-1 Plan.

<Existing>

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EQUIPMENT SPEC BOOK

06/01/2015

ITEM# 4 - EXISTING NSF EQUIPMENT (2 EA REQ'D)

O

EXISTING NSF equipment, pan rack, in good repair, to be re-used, per K-1 Plan.

<Existing>

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EQUIPMENT SPEC BOOK

06/01/2015

ITEM# 5 - EXISTING NSF EQUIPMENT (1 EA REQ'D)

O

EXISTING NSF equipment, stainless steel counter, in good repair, to be re-used, per K-1 Plan.

<Existing>

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EQUIPMENT SPEC BOOK

06/01/2015

ITEM# 6 - EXISTING NSF EQUIPMENT (1 EA REQ'D)

O

EXISTING NSF equipment, wood top table, in good repair, to be re-used, per K-1 Plan.

<Existing>

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EQUIPMENT SPEC BOOK

06/01/2015

ITEM# 7 - EXISTING NSF EQUIPMENT (1 EA REQ'D)

O

EXISTING NSF equipment, fire suppression system, in good repair, CERTIFIED & TAGGED, NO CHANGE, to be re-used, per K-1 Plan.

<Existing>

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EQUIPMENT SPEC BOOK

06/01/2015

ITEM# 8 - EXISTING NSF EQUIPMENT (1 EA REQ'D)

O

EXISTING NSF equipment, tilting skillet, in good repair, to be re-used, per K-1 Plan.

<Existing>

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EQUIPMENT SPEC BOOK

06/01/2015

ITEM# 9 - EXISTING NSF EQUIPMENT (1 EA REQ'D)

O

EXISTING NSF equipment, range with open burners and oven, in good repair, to be re-used, per K-1 Plan.

<Existing>

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EQUIPMENT SPEC BOOK

06/01/2015

ITEM# 10 - EXISTING NSF EQUIPMENT (1 EA REQ'D)

O

EXISTING NSF equipment, range with open burners and oven, in good repair, to be re-used, per K-1 Plan.

<Existing>

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EQUIPMENT SPEC BOOK

06/01/2015

ITEM# 11 - EXISTING NSF EQUIPMENT (1 EA REQ'D)

O

EXISTING NSF equipment, convection oven, in good repair, to be re-used, per K-1 Plan.

<Existing>

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EQUIPMENT SPEC BOOK

06/01/2015

ITEM# 12 - EXISTING NSF EQUIPMENT (1 EA REQ'D)

O

EXISTING NSF equipment, convection oven, in good repair, to be re-used, per K-1 Plan.

<Existing>

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EQUIPMENT SPEC BOOK

06/01/2015

ITEM# 13-14 - SPARE NO.

<Spare No.>

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EQUIPMENT SPEC BOOK

06/01/2015

ITEM# 15 - DISPENSER, SOAP (2 EA REQ'D)

TriMark Federighi BOB-B-4112

Liquid Soap Dispenser, wall mount, stainless, per plan

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BOBRICK

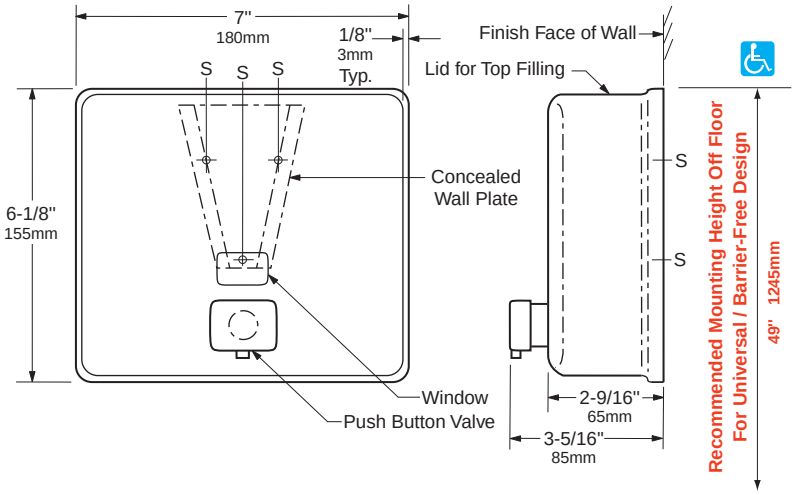
Technical Data

ConturaSeries® SURFACE-MOUNTED SOAP DISPENSER

B-4112



Patented



MATERIALS:

Container — Body is 18-8 S, type-304, 20-gauge (1.0mm) stainless steel with satin-finish. Drawn, one-piece, seamless construction. Front has same degree of arc as other Bobrick ConturaSeries washroom accessories. Radius on corners and edges complement other ConturaSeries accessories. Back plate is 22-gauge (0.8mm) stainless steel with 20-gauge (1.0mm) stainless steel mounting bracket attached. Container body and back plate are epoxy-sealed to prevent warping and leakage. Concealed wall plate is 20-gauge (1.0mm) stainless steel. Equipped with a plastic soap refill-indicator window and a locked, hinged stainless steel lid for top filling. Capacity: 40-fl oz (1.2-L).

Valve — Black molded plastic push button. Soap head-holding mushroom valve. Stainless steel spring. U-packing seal and duckbill. Antibacterial-soap-resistant plastic cylinder.

OPERATION:

Corrosion-resistant valve dispenses commercially marketed all-purpose hand soaps. To prevent corrosion, use only chloride-free pH-netural liquid soaps. Valve operates with one hand, without tight grasping, pinching, or twisting of the wrist, and with less than 5 pounds of force (22.2 N) to comply with barrier-free accessibility guidelines (including ADAAG in U.S.A.). Window indicates when refill is required. The locked, hinged lid opens for top filling with special key provided. Concealed, vandal-resistant mounting.

INSTALLATION:

Secure wall plate to the wall with screws furnished at points indicated by an *S*. Slide mounting bracket of container down onto wall plate and secure unit with furnished locking-screw. For plaster or dry wall construction, provide concealed backing to comply with local building codes, then secure unit with screws furnished. For other wall surfaces, provide fiber plugs or expansion shields for use with screws furnished, or provide 1/8" (3mm) toggle bolts or expansion bolts.

Note: Surface-mount the dispenser plumb and true with valve 6" (152mm) to right or left of lavatory center. Provide 4" (102mm) minimum clearance from the lid to the underside of any horizontal projection. Push buttons should be located 44" (1120mm) maximum above the finish floor.

SPECIFICATION:

Surface-mounted soap dispenser shall be type-304 stainless steel with satin-finish. Corrosion-resistant valve shall dispense commercially marketed all-purpose hand soaps. To prevent corrosion, use only chloride-free pH-netural liquid soaps. Valve shall be operable with one hand and with less than 5 pounds of force (22.2 N) to comply with barrier-free accessibility guidelines (including ADAAG in U.S.A.). Front of soap dispenser shall have same degree of arc and match other Bobrick ConturaSeries® accessories in the washroom. Radius on corners and edges of soap dispenser shall complement other Bobrick ConturaSeries® washroom accessories. Container body and back plate shall be epoxy-sealed to prevent warping and leakage. Soap dispenser shall have concealed, vandal-resistant mounting. Locked, hinged stainless steel lid for top filling shall require special key to open. Capacity shall be 40-fl oz (1.2-L). Manufacturer's service and parts manual shall be provided to the building owner/manager upon request.

Surface-Mounted Stainless Steel Soap Dispenser shall be Model B-4112 of Bobrick Washroom Equipment, Inc., Clifton Park, New York; Jackson, Tennessee; Los Angeles, California; Bobrick Washroom Equipment Company, Scarborough, Ontario; Bobrick Washroom Equipment Pty. Ltd., Australia; and Bobrick Wa[illegible]nt Limited, United Kingdom.

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The illustrations and descriptions herein are applicable to production as of the date of this Technical Data Sheet.
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EQUIPMENT SPEC BOOK

06/01/2015

ITEM# 15.1 - DISPENSER, TOWEL (2 EA REQ'D)

TriMark Federighi BOB B-2621

Paper Towel Dispenser, wall mounted, stainless finish, per plan

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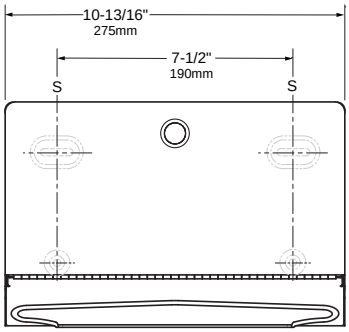
BOBRICK

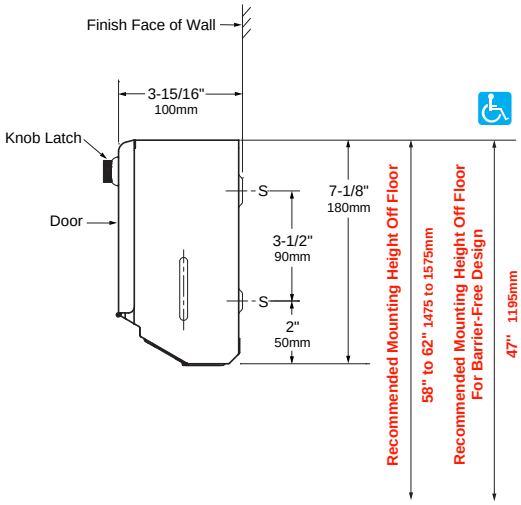
Technical Data

SURFACE-MOUNTED PAPER TOWEL DISPENSER

B-2621







MATERIALS:

Cabinet — 18-8 S, type-304, 22-gauge (0.8mm) stainless steel. All-welded construction. Exposed surfaces have satin finish. Towel tray has hemmed opening to dispense paper towels without tearing.

Door — 18-8 S, type-304, 22-gauge (0.8mm) stainless steel with satin finish. Secured to cabinet with a full-length stainless steel piano-hinge. Equipped with a knob latch.

Optional: Order Bobrick Part No. 262-130 TowelMate™ available as on optional accessory. TowelMate accessory allows for paper towels to dispense one at a time without bulging, sagging or falling through the towel tray opening. TowelMate fits Gamco and most manufacturers' similar models.

OPERATION:

Unit dispenses C-fold and multifold paper towels 3-1/8" to 3-13/16" (79–97mm) deep. Slots in sides of cabinet indicate refill time. Capacity: 200 C-fold or 275 multifold paper towels. To dispense narrower towels 2-1/2" to 3-1/8" (64–79mm) deep, order optional TowelMate accessory Bobrick Part No. 262-130.

INSTALLATION:

Mount unit on wall with four #10 x 1-1/4" (4.8 x 32mm) sheet-metal screws (not furnished) at points indicated by an *S*. For plaster or dry wall construction, provide concealed backing to comply with local building codes, then secure unit with sheet-metal screws. For other wall surfaces, provide fiber plugs or expansion shields for use with sheet-metal screws, or provide 1/8" (3mm) toggle bolts or expansion bolts.

SPECIFICATION:

Surface-mounted paper towel dispenser shall be type-304 stainless steel with all-welded construction; exposed surfaces shall have satin finish. Door shall be secured to cabinet with a full-length stainless steel piano-hinge and equipped with a knob latch. Paper towel tray shall have hemmed opening to dispense paper towels without tearing. Unit shall be capable of dispensing 200 C-fold or 275 multifold paper towel measuring 3-1/8" to 3-13/16" (79 to 97mm) deep. Narrower paper towels 2-1/2" to 3-1/8" (65 to 79mm) deep may be efficiently dispensed with the use of an optional TowelMate accessory, Bobrick Part No. 262-130. TowelMate accessory allows for paper towels to dispense one at a time without bulging, sagging or falling through the towel tray opening.

Surface-Mounted Paper Towel Dispenser shall be Model B-2621 of Bobrick Washroom Equipment, Inc., Clifton Park, New York; Jackson, Tennessee; Los Angeles, California; Bobrick Washroom Equipment Company, Scarborough, Ontario; Bobrick Washroom Equipment Pty. Ltd., Australia; and Bobrick Washroom Equipment Limited, United Kingdom.

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QA062910

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EQUIPMENT SPEC BOOK

06/01/2015

ITEM# 16 - EXISTING NSF EQUIPMENT (1 EA REQ'D)

O

EXISTING NSF / UL LISTED Exhaust hood, TYPE 1, in good repair, to be re-used, per K-1 Plan.

<Existing>

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EQUIPMENT SPEC BOOK

06/01/2015

ITEM# 17 - EXISTING NSF EQUIPMENT (1 EA REQ'D)

O

EXISTING NSF equipment, S/S COUNTER W/ HAND SINK, in good repair, to be re-used, per K-1 Plan.

<Existing>

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EQUIPMENT SPEC BOOK

06/01/2015

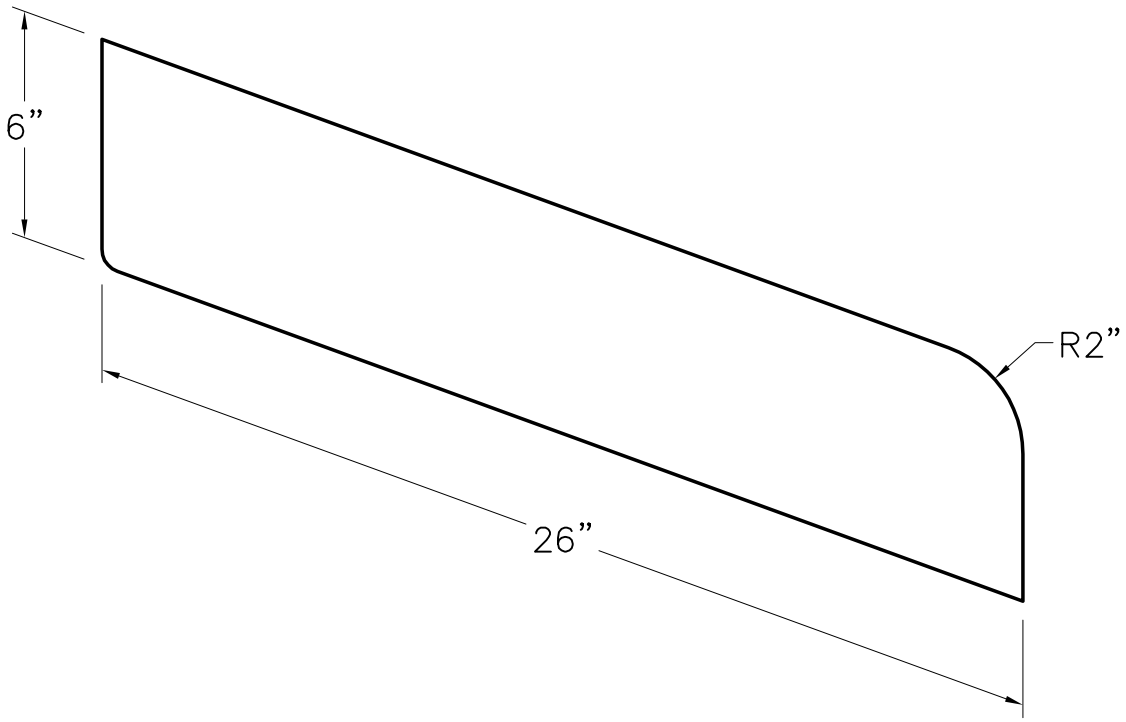
ITEM# 18 - SPLASH GUARD, SINK (4 EA REQ'D)

S/S Fab CSTM63

All Stainless Sink Splash Guard, per plan

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SINK SPLASH GUARD



NOTES
14 ga. S/S

Example drawings only, refer to plans for actual dimensions

5021 Seaport Avenue, Richmond, CA 94804 - Phone: (510) 232-8687 - Fax: (510
www.seaportstainless.com

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CAO RISK

EQUIPMENT SPEC BOOK

06/01/2015

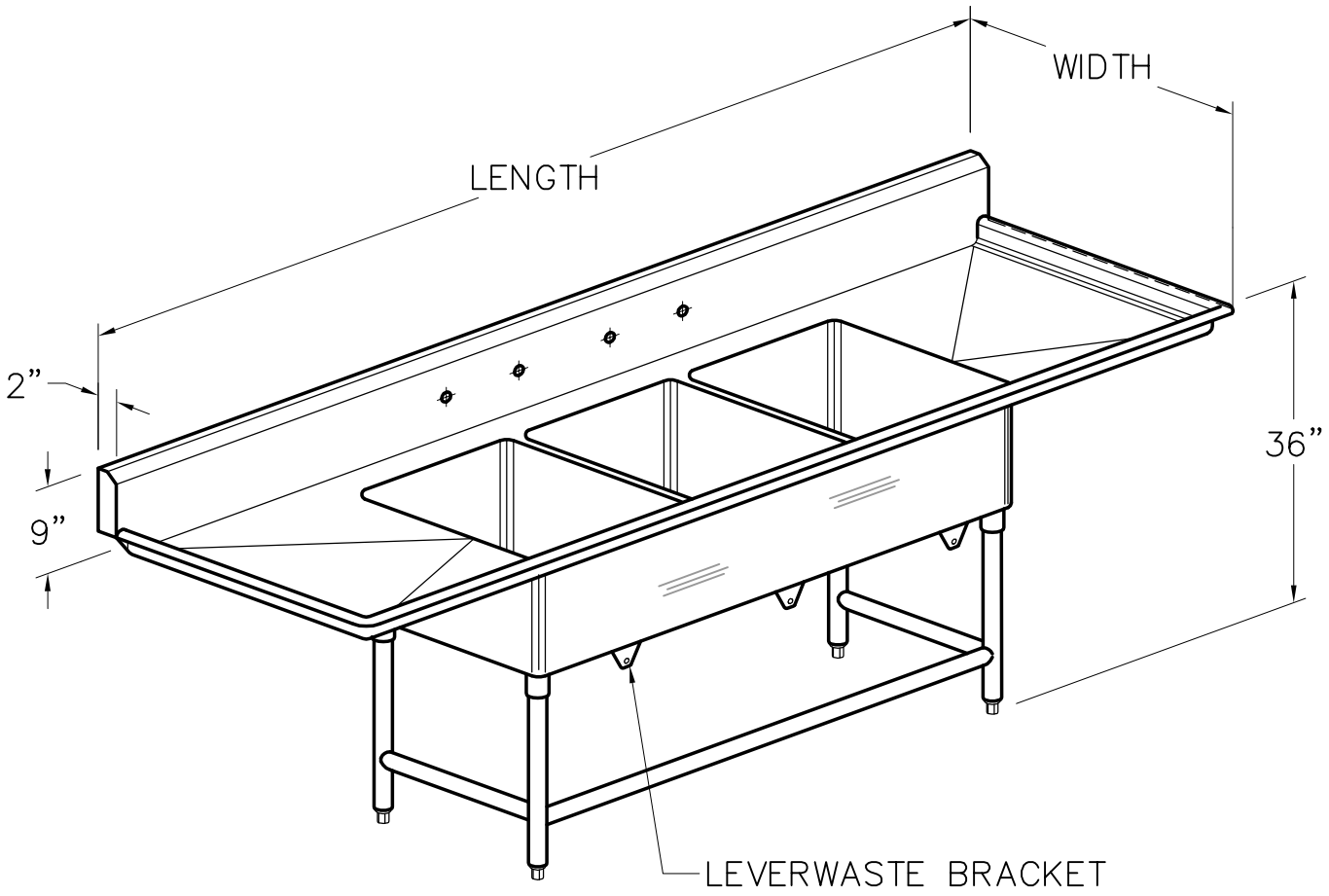
ITEM# 19 - POT WASH SINK (1 EA REQ'D)

S/S Fab CSTM16

NEW All Stainless Pot Wash Sink, 3 tub, legs and crossbracing, 14 GA top, 10" backsplash, lever waste brackets, per plan

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POT WASH SINK



NOTES

- 14 ga. S/S top
- 16 ga. S/S integral sinks
- 1⅝"Ø S/S legs w/ adj. bullet feet
- 1¼"Ø S/S cross-bracing

Example drawings only, refer to plans for actual dimensions

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EQUIPMENT SPEC BOOK

06/01/2015

ITEM# 19.1 - LEVER WASTE (3 EA REQ'D)

T&S Brass B-3952

Twist Waste Valve, 3-1/2" sink opening, 2" drain outlet

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T&S BRASS AND BRONZE WORKS, INC.

2 Saddleback Cove / P.O. Box 1088
Travelers Rest, SC 29690

REG. #A2601
ISO #9001

Travelers Rest, SC: 800-476-4103 Simi Valley, CA: 800-423-0150 Fax: 864-834-3518 www.tsbrass.com

Model No.
B-3952

Item No.

This Space for Architect/Engineer Approval

Job Name_____Date_____

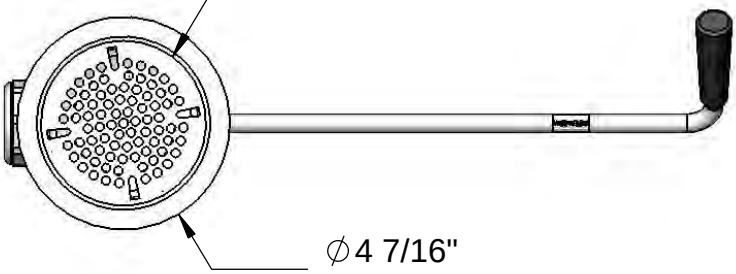
Model Specified_____ Quantity_____

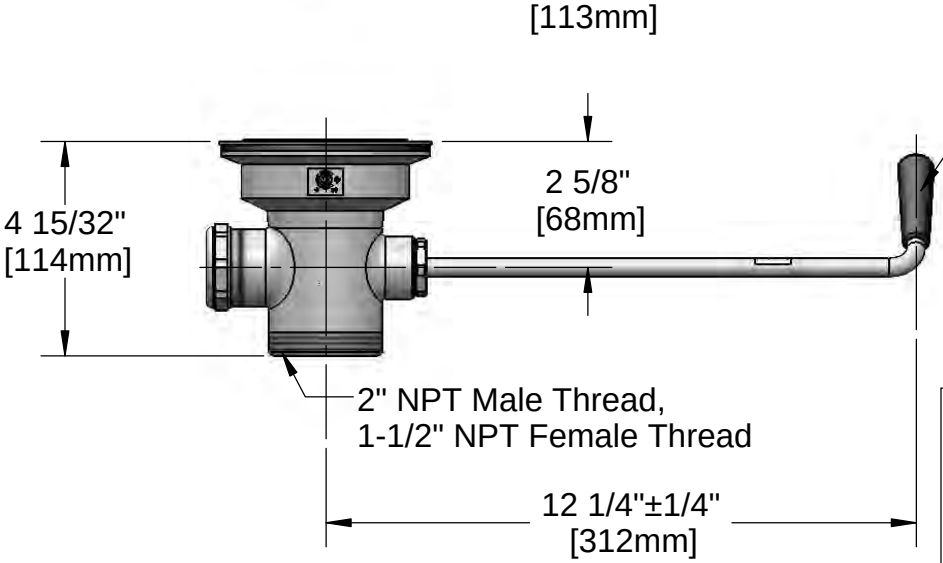
Customer/Wholesaler_____

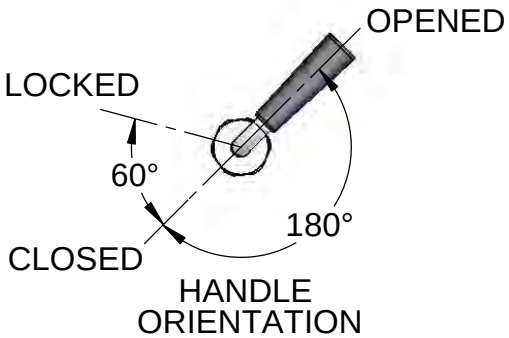
Contractor_____

Architect/Engineer_____









Product Specifications:

Rotary Waste Valve w/ Twist Handle, 3 1/2" Sink Opening, 2" NPT Male / 1-1/2" NPT Female Outlet

Drawn	Checked	Approved
DHL	JRM	JHR

Scale:

Approved as to Form CAO RISK 19707

Agreement #: Ag-5097 - Page 302 of 309

Sheet: 1 of 2

T&S BRASS AND BRONZE WORKS, INC.

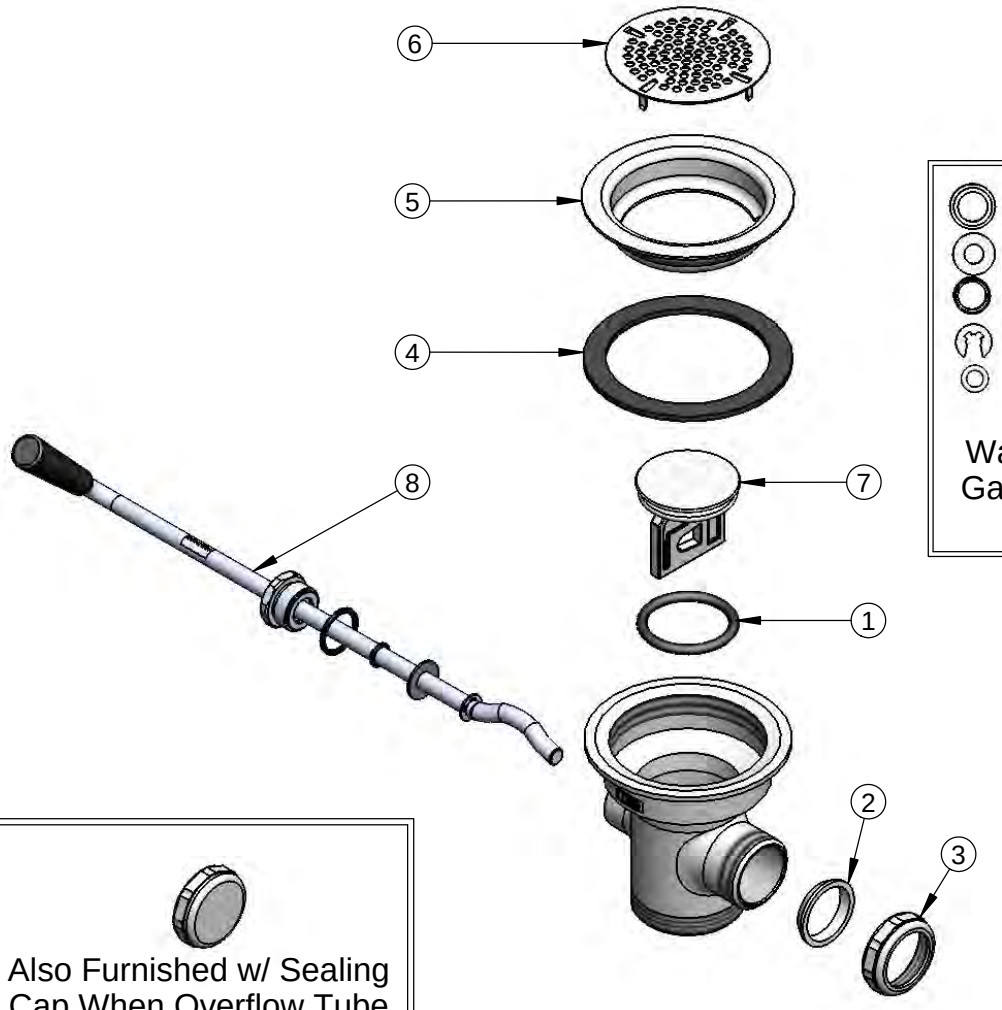
2 Saddleback Cove / P.O. Box 1088
Travelers Rest, SC 29690

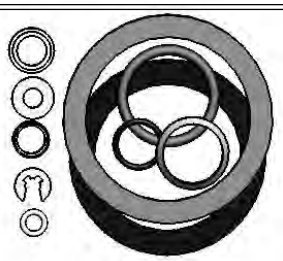
Travelers Rest, SC: 800-476-4103 • Simi Valley, CA: 800-423-0150 • Fax: 864-834-3518 • www.tsbrass.com

Model No. **B-3952**

Item No.

ITEM NO.	SALES NO.	DESCRIPTION
1	010389-45	O-Ring, Plunger
2	010390-45	Ferrule, Coupling Nut
3	010391-45	Nut, Coupling For Twist Drain
4	010382-45	Gasket, 3 1/2" Face Flange
5	010384-45	Flange, 3 1/2" Face
6	010386-45	Strainer, 3 1/2" Snap-in Removable
7	010388-45	Plunger, Lever and Twist Drain
8	010393-45	Handle Asm, Rotary Waste Valve Twist





Washers, O-Rings & Gaskets are included Parts Kit B-39-K

Also Furnished w/ Sealing Cap When Overflow Tube Coupling Nut is Not Used. PN# 012640-45

Product Specifications:
Rotary Waste Valve w/ Twist Handle, 3 1/2" Sink Opening, 2" NPT Male / 1-1/2" NPT Female Outlet

Drawn	Checked	Approved
DHL	JRM	JHB

Scale: NT

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19/07

Agreement #: Ag-5097 - Page 3

Sheet: 2 of 2

EQUIPMENT SPEC BOOK

06/01/2015

ITEM# 19.2 - FAUCET (2 EA REQ'D)

T&S Brass B-0231

Sink Mixing Faucet, 12" swing nozzle, wall mounted, 8" centers on sink faucet with 1/2" IPS eccentric flanged female inlets, lever handles

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T&S BRASS AND BRONZE WORKS, INC.

2 Saddleback Cove / P.O. Box 1088
Travelers Rest, SC 29690

Travelers Rest, SC: 800-476-4103 • Simi Valley, CA: 800-423-0150 • Fax: 864-834-3518 • www.tsbrass.com

Model No.
B-0231

Item No.

ADA Compliant

This Space for Architect/Engineer Approval

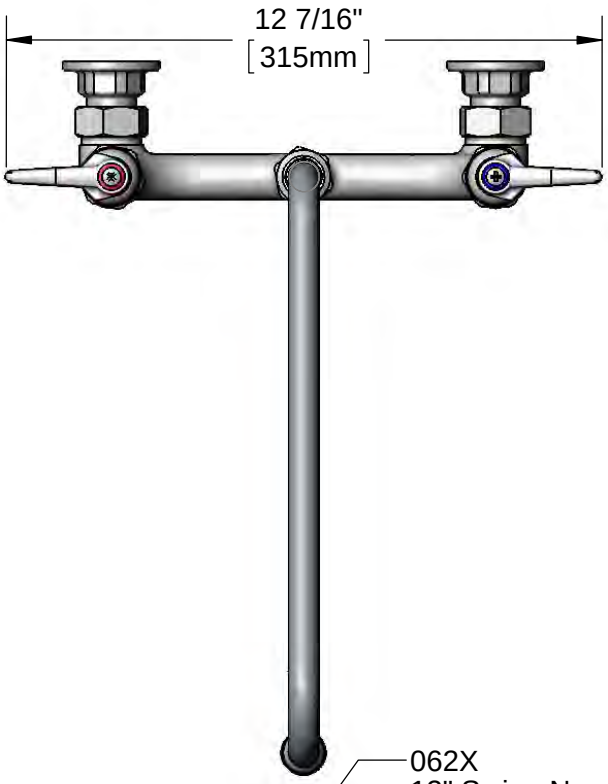
Job Name_____Date_____

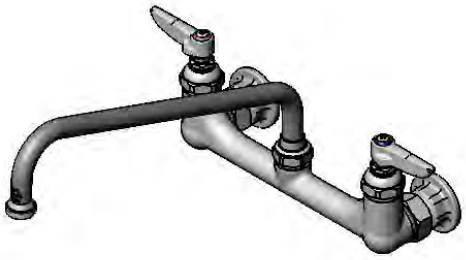
Model Specified_____ Quantity_____

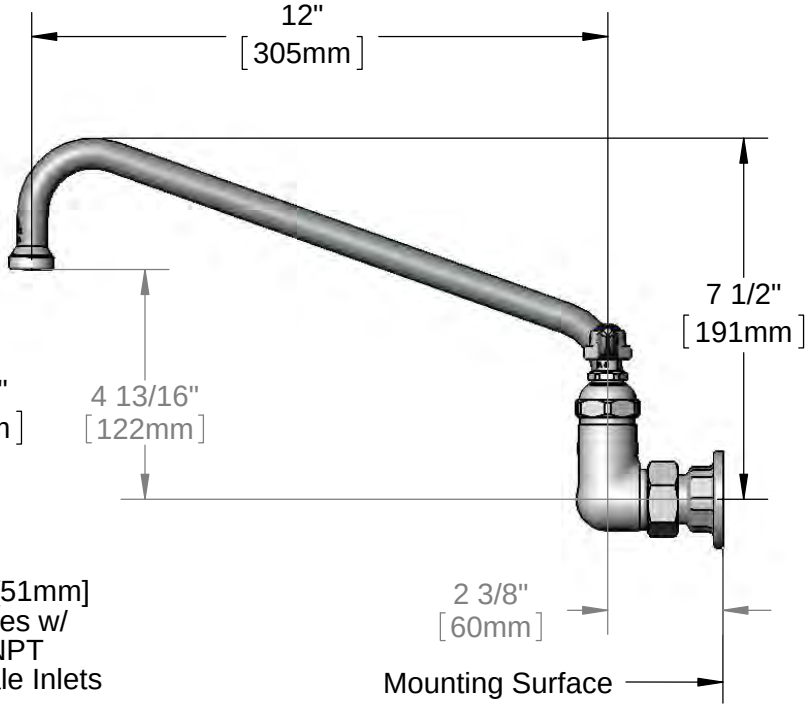
Customer/Wholesaler_____

Contractor_____

Architect/Engineer_____







Product Specifications:

8" Wall Mount Mixing Faucet w/ Eterna Cartridges, Lever Handles, 12" Swing Nozzle & 1/2" NPT Female Inlets

Product Compliance:

ASME A112.18.1 / CSA B125.1
NSF 61 - Sec
NSF 372 (Lov
ANSI A117.1

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Agreement #: Ag-5097 - Page 3029

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T&S BRASS AND BRONZE WORKS, INC.

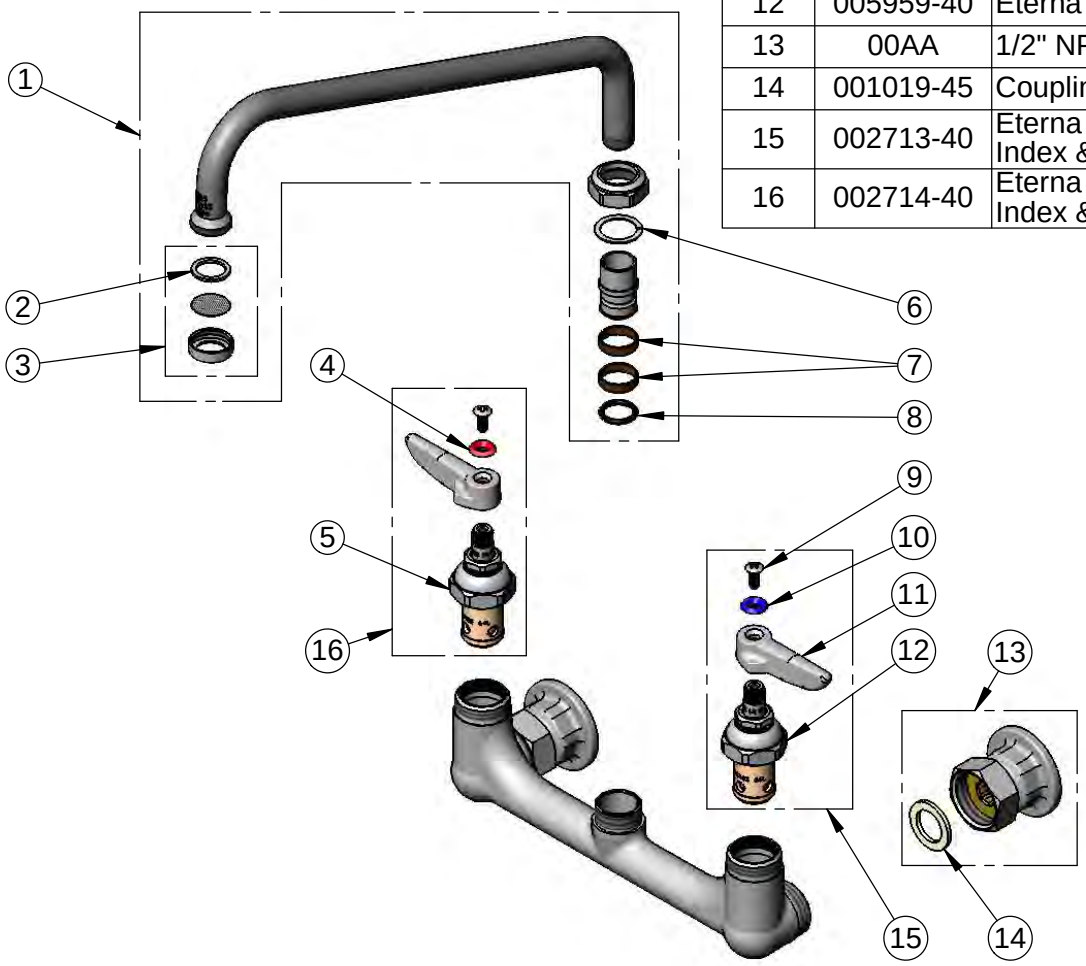
2 Saddleback Cove / P.O. Box 1088
Travelers Rest, SC 29690

Travelers Rest, SC: 800-476-4103 • Simi Valley, CA: 800-423-0150 • Fax: 864-834-3518 • www.tsbrass.com

Model No.
B-0231

Item No.

ITEM NO.	SALES NO.	DESCRIPTION
1	062X	12" Swing Nozzle
2	001048-45	Nozzle Tip Washer
3	B-PT	Stream Regulator Outlet
4	001661-45	Red Index-HW
5	005960-40	Eterna Cartridge, RTC
6	009538-45	Swivel Washer
7	011429-45	Swivel Sleeves (2)
8	001074-45	O-Ring
9	000922-45	Lever Handle Screw
10	001660-45	Blue Index-CW
11	001638-45	Lever Handle
12	005959-40	Eterna Cartridge, LTC
13	00AA	1/2" NPT Female Eccentric Flange
14	001019-45	Coupling Nut Washer
15	002713-40	Eterna Cartridge, LTC w/ Handle, Index & Screw
16	002714-40	Eterna Cartridge, RTC w/ Handle, Index & Screw



Product Specifications:
8" Wall Mount Mixing Faucet w/ Eterna Cartridges, Lever Handles, 12" Swing Nozzle & 1/2" NPT Female Inlets

Product Compliance:
ASME A112.18.1 / CSA B125.1
NSF 61 - Sec
NSF 372 (Lov
ANSI A117.1

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Agreement #: Ag-5097 - Page 302 329

Drawn: DHL	Checked: JRM	Approved: JHB	Date: 03/17/14	Scale: NTS	Sheet: 2 of 2

EQUIPMENT SPEC BOOK

06/01/2015

ITEM# 20 - EXISTING NSF EQUIPMENT (1 EA REQ'D)

O

EXISTING NSF equipment, disposer, TO BE REMOVED AND NOT USED, NOT USED WITH NEW ITEM #19, K-1 Plan.

<Existing>

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EQUIPMENT SPEC BOOK

06/01/2015

ITEM# 21 - EXISTING NSF EQUIPMENT (1 EA REQ'D)

O

EXISTING NSF equipment, stainless steel counter, in good repair, to be re-used, per K-1 Plan.

<Existing>

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06/01/2015

ITEM# 22-23 - SPARE NO.

<Spare No.>

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06/01/2015

ITEM# 24 - EXISTING NSF EQUIPMENT (2 EA REQ'D)

O

EXISTING NSF equipment, S/S WALL SHELF, in good repair, to be re-used, per K-1 Plan.

<Existing>

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06/01/2015

ITEM# 25 - EXISTING NSF EQUIPMENT (1 EA REQ'D)

O

EXISTING NSF equipment, banquet water station with HAND SINK and faucet, ADD SPLASHES, in good repair, to be re-used, per K-1 Plan.

<Existing>

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06/01/2015

ITEM# 26 - EXISTING NSF EQUIPMENT (1 EA REQ'D)

O

EXISTING NSF equipment, ice and water station, in good repair, to be re-used, per K-1 Plan.

<Existing>

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ITEM# 27 - EXISTING NSF EQUIPMENT (1 EA REQ'D)

O

EXISTING NSF equipment, S/S SORTING TABLE, ICE FILL / UTILITY SINK, faucet, in good repair, to be re-used, per K-1 Plan.

<Existing>

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ITEM# 28 - MODIFY CLEAN DISHTABLE (1 EA REQ'D)

S/S Fab

MODIFY EXISTING clean dishtable and dishtable area SHORTEN/CUT SOILED TABLE BY APPROX. 32 ".

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06/01/2015

ITEM# 29 - EXISTING NSF EQUIPMENT (1 EA REQ'D)

O

EXISTING NSF equipment, booster heater, in good repair, to be re-used, RELOCATE 32", per K-1 Plan.

<Existing>

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ITEM# 30 - EXISTING NSF EQUIPMENT (1 EA REQ'D)

O

EXISTING NSF equipment, control center for dish machine, in good repair, to be re-used, RELOCATE 32", per K-1 Plan.
<Existing>

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06/01/2015

ITEM# 31 - EXISTING NSF EQUIPMENT (1 EA REQ'D)

O

EXISTING NSF equipment, dish machine, in good repair, to be re-used, RELOCATE 32" per K-1 Plan.

<Existing>

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ITEM# 32 - EXISTING NSF EQUIPMENT (1 EA REQ'D)

O

EXISTING NSF equipment, end / side load feed, POWER SCRAPPER, in good repair, to be re-used, RELOCATE per K-1 Plan.

<Existing>

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ITEM# 33 - EXISTING NSF EQUIPMENT (1 EA REQ'D)

O

EXISTING NSF equipment, pre-rinse sink and faucet, in good repair, MODIFY, RELOCATE, to be re-used, per K-1 Plan.
<Existing>

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ITEM# 34 - EXISTING NSF EQUIPMENT (1 EA REQ'D)

O

EXISTING NSF equipment, disposer, TO BE REMOVED AND NOT USED, NOT USED WITH NEW ITEM #33, K-1 Plan.

<Existing>

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ITEM# 35 - EXISTING NSF EQUIPMENT (1 EA REQ'D)

O

EXISTING NSF equipment, rack shelf, in good repair, MODIFY, SHORTEN/CUT 32", to be re-used, per K-1 Plan.

<Existing>

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ITEM# 36 - EXISTING NSF EQUIPMENT (1 EA REQ'D)

O

EXISTING NSF equipment, soiled dishtable, SCRAP TROUGH, OPEN UNDER, in good repair, to be re-used, MODIFY, SHORTEN/CUT 32", per K-1 Plan.

<Existing>

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ITEM# 37 - EXISTING NSF EQUIPMENT (2 EA REQ'D)

O

EXISTING ROLL DOWN, security doors, in good repair, to be re-used, DISHDROP DOOR TO BE MODIFIED FOR NEW OPENING, per K-1 Plan.

<Existing>

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ITEM# 38 - SPARE NO.

<Spare No.>

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ITEM# 39 - SPARE NO.

<Spare No.>

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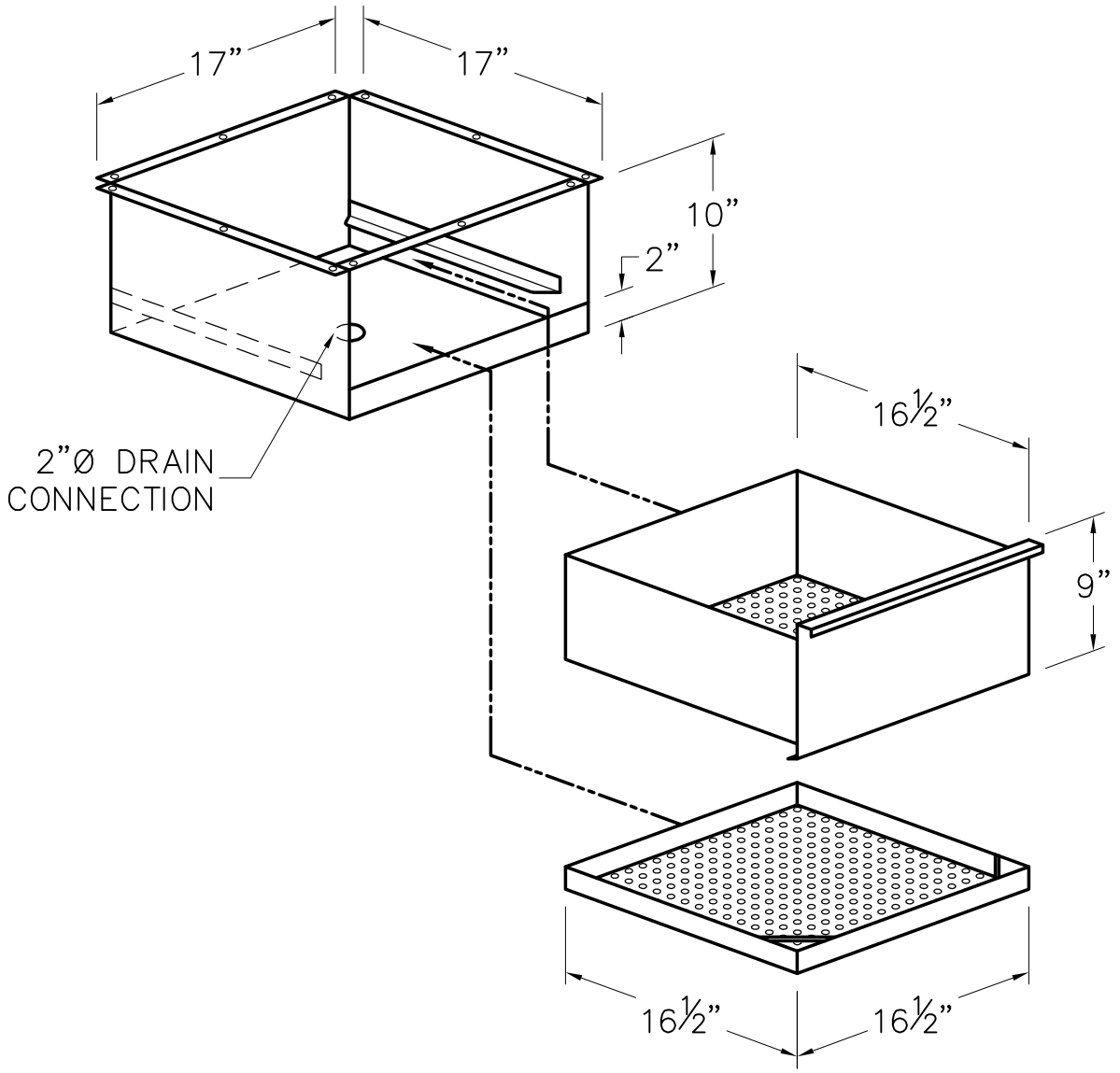
ITEM# 40 - SCRAP ACCUMULATOR (1 EA REQ'D)

S/S Fab CSTM22

All Stainless Waste Accumulator, removable waste basket, 2" waste connection

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SCRAP ACCUMULATOR



NOTES
16 ga. S/S type 304
All-welded construction

Example drawings only, refer to plans for actual dimensions

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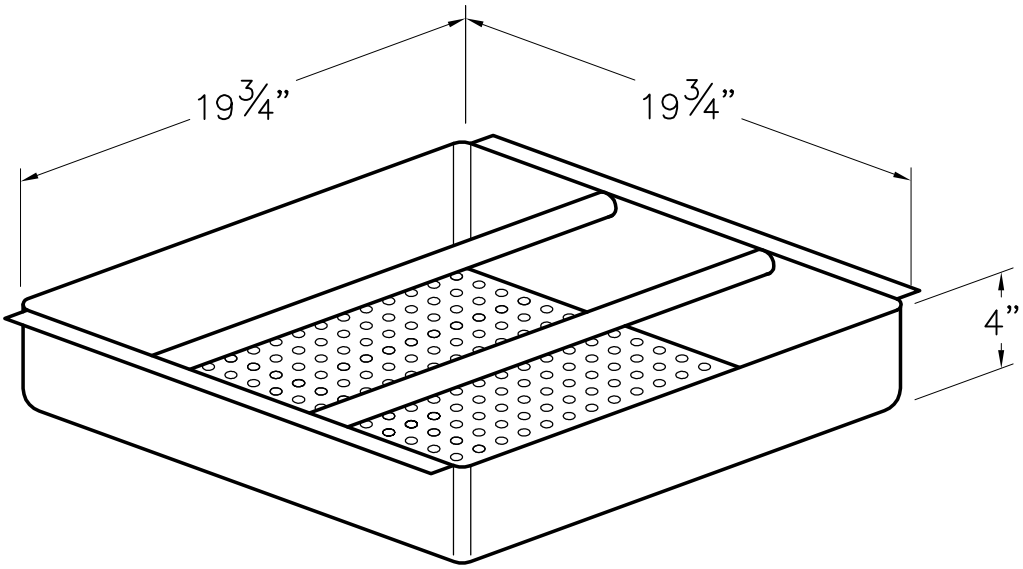
ITEM# 40.1 - SCRAP BASKET, SINK (1 EA REQ'D)

S/S Fab CSTM20

All Stainless Removable Sink Scrap Basket With Rack Slide, per plan

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SCRAP BASKET



NOTES
- 16 ga. S/S scrap basket
- 1"Ø S/S rack slides

Example drawings only, refer to plans for actual dimensions

5021 Seaport Avenue, Richmond, CA 94804 - Phone: (510) 232-8687 - Fax: (510
www.seaportstainless.com

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TriMark
Foodservice Equipment, Supplies and Design
FEDERIGHI DESIGN

Project:
Monterey Conference Center - Steinbeck Catering Kitchen - 3rd floor - CUT SHEET BOOK
One Portola Place
580 Pacific Street
Monterey, CA 93940

From:
TriMark Federighi Design
Doug Rubardt
3423 Regatta Blvd.
Richmond, CA 94804-4594
(510) 236-2800
(510)236-2800 16 (Contact)
(415)350-1866 (Cell)
(510)236-8593 (Fax)
drubardt@trimarkusa.com

To:
Monterey Conference Center
Robert Cowdrey
One Portola Plaza
Monterey, CA 93940
831-646-3770
831-646-3770 (Contact)
831-277-1801 (Cell)
831-646-3777 (Fax)
cowdrey@monterey.org

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06/01/2015

ITEM# 101 - SECURITY DOOR / ROLL DOWN (1 EA REQ'D)

G.C.

SECURITY DOOR, ROLL DOWN, Installed By G.C. PER PLAN

<By G/C>

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EQUIPMENT SPEC BOOK

06/01/2015

ITEM# 102 - QUEEN MARY (4 EA REQ'D)

Metro MQ-512F

Queen Mary Cart (5) flat shelves, all welded 16 gauge stainless steel, 8" polyurethane casters (2) rigid & (2) swivel, bumper

<>

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Item # _____

Job _____

BANQUET SERVICE CARTS

"Queen Mary"

- **Rugged Construction:** All welded, 16-gauge, 300 Series, stainless steel unitized construction, with 2" (51mm) hemmed edges.
- **Control:** Three-Point-Control Handle is designed with the user in mind. Ergonomically designed for pushing and pulling from both the side and the front. Optional Swing-up handle provides additional control and visibility when moving the cart.
- **Flexible:** Available in 5- and 6-shelf configurations with either flat or ledged shelves.
- **Accessible:** 9½" (241mm) and 12¼" (311mm) shelf spacing provides maximum access and storage on shelves.
- **Maneuverability:** Large 8" (203mm) casters provide optimal rollability. Optional swivel-lock caster system allows the cart to be moved in-and-out-of-line without dragging. Rigid casters can be made to swivel for movement in tight spaces and automatically switch back to rigid when needed for moving down halls.
- **Versatile:** Can be used for banquet service, bussing, general back-of-the-house transportation, and mobile storage.
- **Durable:** Wraparound bumper is non-marking and will protect the cart, wall, and equipment from damage.



MQ-609L
(Shown with optional swing-up handle)

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Wilkes-Barre, PA 18705
www.metro.com

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Job _____

BANQUET SERVICE CARTS

Specifications

Construction: Welded, hemmed, stainless steel construction.

Material: Polished, 300 Series stainless steel.

Shelves: 16-gauge stainless steel with 2" (51mm) hemmed edge. Each shelf is 24" (610mm) wide x 57" (1447mm) long (usable space).

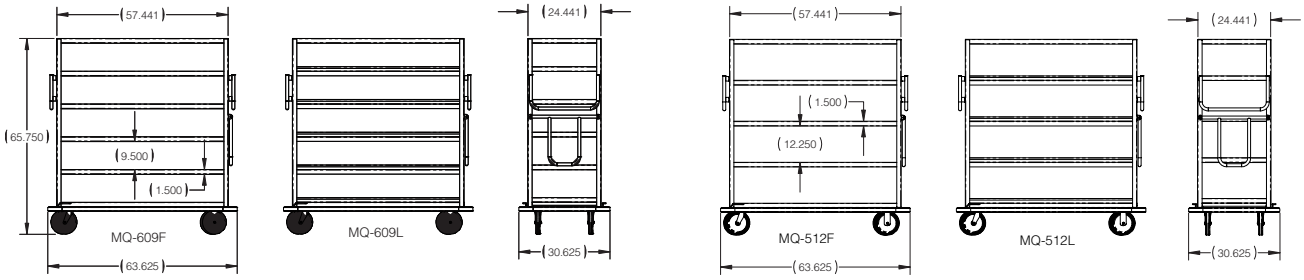
Uprights: 11-gauge stainless steel.

Casters: Four 8" (203mm) polyurethane casters. Two rigid, two swivel with brakes.

Handle: Unique Three-Point-Control Handle. 1" (25mm) diameter stainless steel construction.

Bumper: Non-marking, solid vinyl bumper mounted to 1/8" (3.1mm) thick aluminum support channel with closed corners.

Load Rating: 200 lbs. (91kg) equally distributed per shelf; 1,000 lbs. (455kg) per cart.



(Shown with optional swing-up handle)

Dimensions

Cat. No.	Description	Length/Width/Height (in.)	Length/Width/Height (mm)	Approx. Pkd. Wt. (lbs.)	Approx. Pkd. Wt. (kg)
MQ-512F	Five Shelves — Flat	63.625x30.625x65.75	1616x778x1670	300	136
MQ-609F	Six Shelves — Flat	63.625x30.625x65.75	1616x778x1670	325	147
MQ-512L	Five Shelves — Ledged*	63.625x30.625x65.75	1616x778x1670	300	136
MQ-609L	Six Shelves — Ledged*	63.625x30.625x65.75	1616x778x1670	325	147

*Top shelf is flat.
For swivel lock caster upgrade, add **"-SL"** to the part number. Example: MQ-609F-SL.
For swing-up handle, add **"-H"** to the part number. Example: MQ-609F-H.
Add **"-SL-H"** for both.

All Metro Catalog Sheets are available on our Web Site: **www.metro.com**

InterMetro Industries Corporation
North Washington Street, Wilkes-Barre, PA 18705
Phone: 570-825-2741 • Fax: 570-825-2852
For Product Information Call: 1-800-433-2232

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EQUIPMENT SPEC BOOK

06/01/2015

ITEM# 103 - ENCLOSED DRY TRANSIT CABINET (4 EA REQ'D)

Metro CD4NA32

CD Series Cabinet, 21-1/2"W x 71-1/2"H, 32"D, reach in, capacity 40 - 18" x 26" sheet pans, riveted/aluminum construction, lockable door, gray corner bumpers, ENCLOSED

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Item# _____

Job _____



CD3N

Metro Mobile

DELIVERY/STORAGE CABINETS

- **Material:** 14-gauge, high-strength, natural finish aluminum.
- **Rugged:** Aircraft-riveted construction throughout. Cast aluminum corners withstand hard use.
- **Economy Model**
- **Versatile:** Use for delivery or storage. 8 models to fit your every need.
- **Space-Saver:** Continuous hinged door recedes into side wall so cabinets can be positioned against one another.
- **Lightweight:** Easy to handle. In price . . . and mobility.
- **Recessed Gravity Latch:** Open and close door with a touch of a finger.
- **Lockable Door**
- **Ideal** for schools, commercial cafeterias.

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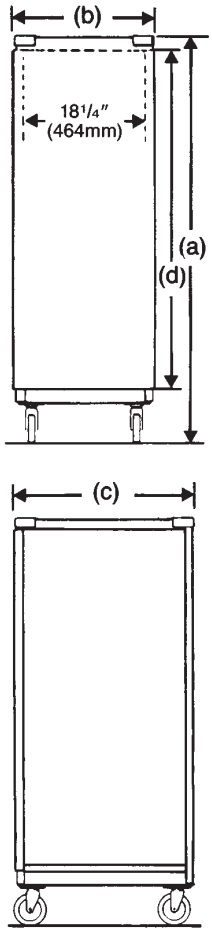
Job_____

Metro Mobile

DELIVERY/STORAGE CABINETS

Specifications

- **Material:** 14-gauge, high-strength, natural finish aluminum.
- **Construction:** Aircraft-riveted construction throughout.
- **Top:** Brake-formed into box section, reinforced by 1/8" (3mm) thick armored aluminum corners.
- **Bottom:** Brake-formed into box section, providing smooth obstruction-free floor.
- **Sides:** Brake-formed from flat stock to form vertical corner post — stabilizer rod bolted through sides at front center.
- **Slides:** Bulb-tipped extruded channel riveted to sides.
- **Back:** Brake-formed from flat stock to form vertical corner post.
- **Casters:** Two B5DN on back — 5" (127mm) double ball bearing swivel, ball bearing axle, nickel-plated, donut neoprene-tired, pre-lubricated, bolted to the bottom of the chassis through 10-gauge support channels. Two B5DNB on front — same as above, with wheel brake.
- **Door:** Lockable door reinforced with angle-formed edge. Full-length continuous hinge, swings 270 degrees, and recedes into side wall with door stay. Recessed-type gravity latch. Spring-clip card holder on front door.



DIMENSIONS:

Model No.	(a) Height (in.)	(a) Height (mm)	(b) Width (in.)	(b) Width (mm)	(c) Depth (in.)	(c) Depth (mm)	(d) Inside Height (in.)	(d) Inside Height (mm)	Slide Spacing (in.)	Slide Spacing (mm)	Pan Capacity no.	Pan Capacity size (in.)	Approx. Pkd. Wt. (lbs.)	Approx. Pkd. Wt. (kg)
CD3N	63 1/4	1605	21 1/2	545	28	710	52 5/8	1335	1 1/2	38	35	18 x 26	85	38
CD4N	71 1/2	1815	21 1/2	545	28	710	60 5/8	1540	1 1/2	38	40	18 x 26	95	43

ACCESSORIES:

Model	
A32	Gray Corner Bumpers
A33	Gray Continuous Bumper
A71	Floor Lock

Manufactured by:
InterMetro Industries Corp.
North Washington Street
Wilkes-Barre, PA 18705
www.metro.com

Phone 570-825-2741
FAX 570-825-2852
For Product Information, call 1-800-433-2232
For Customer Service, call 1-800-992-1776

EQUIPMENT SPEC BOOK

06/01/2015

ITEM# 104 - HEATED HOLDING CABINET (4 EA REQ'D)

Metro C519-HFC-U

C5™ 1 Series Heated Holding Cabinet, mobile, full height, non-insulated, clear polycarbonate door, removable bottom mount control module, thermostat to 190ºF, universal wire slides on 3" centers, adjustable on 1-1/2" increments (18) 18" x 26" or (34) 12" x 20" x 2-1/2" pan capacity, 5" casters (two with brakes), aluminum, 120v/60/1-ph, 2000 watts, 16.7 amps, NEMA 5-20P, UL, CUL, NSF

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Item # _____

Job _____

Metro C5 1 Series Non-Insulated Heated Holding and Proofing Cabinets

- **Control:** Three holding modules are available. All feature an easy-to-read digital thermometer, recessed control dials, a master on/off switch, and power indicator lights.
  - **Combination Module:** At the flip of a switch change from heated holding mode to proofing mode. Individual analog controls for temperature and humidity levels.
  - **Holding Module:** For heated holding applications. Analog temperature control and a passive humidity generation system.
  - **Proofing Module:** For proofing applications only. Individual analog controls for temperature and humidity levels.
- **Performance:** All modules provide fast heat-up and recovery through a thermostatically controlled, forced air heating system.
- **Sizes:** C5 1 Series cabinets are available in Full Height (69 3/4", 1772mm), 3/4 Height (57 3/4", 1467mm), and 1/2 Height (42 3/4", 1086mm) sizes.
- **Doors:** Clear polycarbonate doors provide visibility of the contents of the cabinet without the heat loss associated with opening the door.
- **Capacity:** Three slide styles provide maximum holding capacity.
  - **Universal:** Adjustable wire slides, with SiteSelect™, hold 18"x26" sheet, 12"x20" steam table, 2/1 or 1/1 GN pans, and adjust on 1 1/2" (38mm) increments.
  - **Lip Load:** Fixed aluminum extrusions hold 18"x26" sheet pans on 1 1/2" (38mm) increments.
  - **Fixed Wire:** Fixed slides hold 18"x26" sheet, 12"x20" steam table, 2/1 GN, or 1/1 GN pans on 3" (76mm) increments.
- **Removable Module:** All modules are removable, without tools, for easy cleaning of the cabinet interior. Future module upgrades or changes can occur without cabinet body replacement.
- **Reliability:** Reliability and durability are designed into every C5. High quality components provide a long life of worry-free use.



Full Height
Fixed Slides
Holding Module



1/2 Height
Fixed Slides
Combination Module



3/4 Height
Fixed Slides
Combination Module



1 Series Removable Control Modules

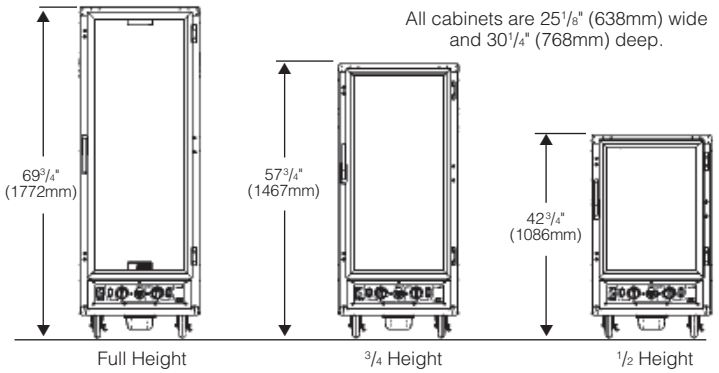
- **Holding Module:** Hot holding at higher temperatures without moisture control.
- **Proofing Module:** Proofing at lower temperatures. Heat and moisture control for proofing applications.
- **Combination Module:** Hot holding and proofing. Moisture control at lower temperatures (proofing).

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C5 1 Series Non-Insulated Heated Holding and Proofing Cabinets

Specifications



- **Cabinet Material:** .063" (1.8mm) aluminum, natural interior, brushed exterior with .125" (3.2mm) aluminum chassis.
- **Casters:** Four casters with 5" (127mm) donut neoprene wheel, double ball bearing swivel, ball bearing axel, nickel plated, two with brake.
- **Clear Doors:** Extruded aluminum powder coated frame with .090" (2.3mm) polycarbonate window.
- **Hinges:** Field reversible, double hinged, 180° swing, with long-life nylon bearings.
- **Gaskets:** High temperature, door mounted, Santoprene gaskets.
- **Latches:** Polymer, high-strength, magnetic pull latch with lever-action release.
- **Universal Slides:** 1/4" (6.4mm) dia. nickel-chrome electroplated wire, adjustable on 1 1/2" (38mm) increments.
- **Lip Load Slides:** 1 1/2"x1 1/2"x.063" (38x38x1.8mm) extruded aluminum channel slides, 1 1/2" (38mm) fixed spacing.
- **Fixed Wire Slides:** 1/4" (6.4mm) dia. nickel-chrome electroplated wire, welded on 3" (76mm) spacing.
- **Drip Trough:** Smooth polymer drip trough with catch pan.
- **Holding Modules:** Removable without tools, digital thermometer, recessed control dials, master on/off switch, "Power On" light, water pan, ball bearing blower forced air system, 7 1/2' cord, UL, CUL, and NSF Listed.

Electrical and Performance:

- **Combination Module:** 2000 Watt, 120 Volts, 60 Hz., single phase, 16.7 Amps. 80˚F to 190˚F operating temperature range. 95% RH at 95˚F. NEMA 5-20P plug.
- **Holding Module:** 2000 Watt, 120 Volts, 60 Hz., single phase, 16.7 Amps. 80˚F to 190˚F operating temperature range. NEMA 5-20P plug.
- **Proofing Module:** 1440 Watt, 120 Volts, 60 Hz., single phase, 12 Amps. 80˚F to 120˚F operating temperature range. 95% RH at 95˚F. NEMA 5-15P plug.
- **Slide Capacities:**

	Universal Wire Pan Capacity**				Lip Load Pan Capacity	Fixed Wire Pan Capacity	
Cabinet Size	Slide Pairs Provided	Slide Pairs Max.*	18"x26"	12"x20"x2.5" GN 1/1	18"x26"	18"x26"	12"x20"x2.5" GN 1/1
Full Height	18	37	18	34	35	18	34
3/4 Height	14	29	14	26	27	14	26
1/2 Height	8	17	8	16	17	8	16

*Maximum number of slide pairs @ 1 1/2" spacing. Additional slide pairs ordered separately.
**Capacity based on standard number of slides provided.

Cabinet Height
9 = Full Height
7 = 3/4 Height
5 = 1/2 Height

Module Type
C = Combination
H = Heated Holding
P = Proofing

Slide Type
U = Universal Wire
4 = Fixed Wire
L = Lip Load Aluminum

C5 1 9 - C FC - U

NEMA 5-20P — For Combination and Holding Module Cabinets (120V, 16A, 60Hz, 2000W)

NEMA 5-15P — For Proofing Module Cabinets (120V, 12A, 60Hz, 1440W)

Door Style
FC = Full Length Clear

Export Model Number Description

C5 1 9 - C X FC - U

NEMA 6-15P — Add "X" for Export Cabinets
For Combination and Holding Modules (220-240V, 7.6-8.3A, 50/60Hz, 1681-2000W)
For Proofing Modules (220-240V, 5.5-6A, 50/60Hz, 1210-1440W)

Models with Accessories or Options

C5 1 9 - C FC - U A ← An "A" suffix indicates that accessories need to be factory assembled to the cabinet. Order accessories separately.

Options/Accessories

- Small Item Shelf (C5-SHELF-S)
- Stainless Steel Legs (C5-SSLEGS)
- Universal Slide Pair, Chrome (C5-USLIDEPR-C)
- 6" Casters (C5-6CASTER)
- Rear Rigid Casters (C5-5RDGCSTR)
- Travel Latch (C5-TRVL)
- Flush Door Latch (C5-LATCHFLUSH-1)
- Rear Push Handle (C5-RHANDLE)
- Perimeter Bumper (C5-PERMBUMP-1)
- Straight Plug, 20 Amp, 120V (C5-STRPLG-20)
- Straight Plug, 15 Amp, 120V (C5-STRPLG-15)
- Factory Left-Hand Hinging (DD3768)
- Stainless Steel Universal Slides (please call)

Metro Heated cabinets are for hot food holding applications only.

All Metro Catalog Sheets are available on our website: **www.metro.com**

InterMetro Industries Corporation
North Washington Street • Wilkes-Barre, PA 18705 • 570.825.2741
Fax: 800.638.9263 (East Coast/Canada) • Fax: 800.638.3292 (West Co
FOR PRODUCT INFORMATION/CUSTOMER SERVICE:
U.S./Canada/Latin America: 1.800.992.1776 • Europe: +31.76.587.7550
Asia/Pacific: +65.6567.8003 • Middle East/Africa: +971.4.811.8286

L03-269
Rev. 05/12
Printed in U.S.A.

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EQUIPMENT SPEC BOOK

06/01/2015

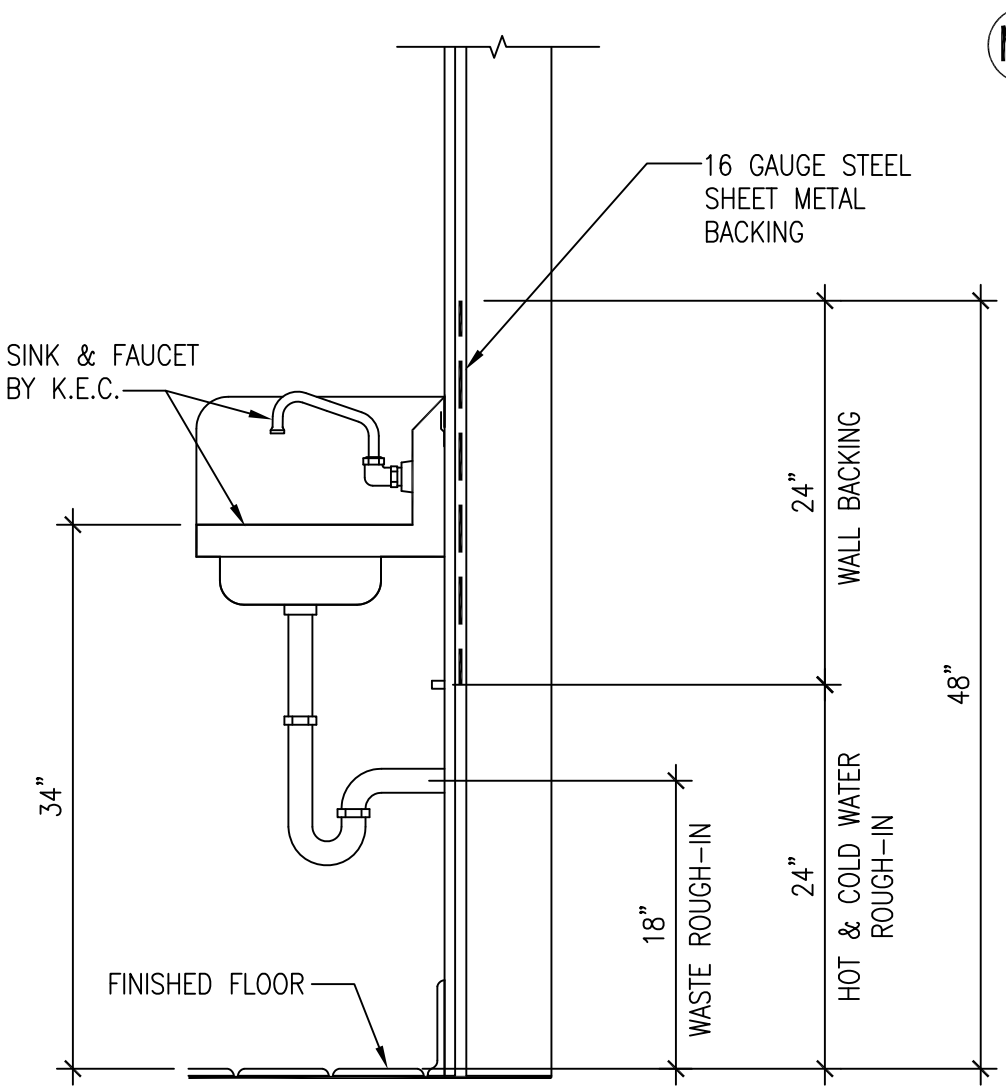
ITEM# 105 - SINK, WALL MOUNT (2 EA REQ'D)

TriMark Federighi BKHS-W-1410-SS

Hand Sink, wall mount, with bracket, 17" x 15-1/2" x 5"D, splash guard sides, 4" centers, stainless steel construction, includes T&S B-1115 faucet and 1 1/2" basket strainer

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ITEM # _____



TYPICAL HAND SINK MOUNTING DETAIL

1"=1'-0"

Hand Sink: BK Resources
model #BKHS-W-1410-SS

Faucet: T & S
model #B-1115

Federighi
DESIGN INC.
Commercial Kitchen Design
3423 REGATTA BLVD
PHONE: 510.236.2800
-4594
6.2959

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EQUIPMENT SPEC BOOK

06/01/2015

ITEM# 106 - SPLASH GUARD, SINK (4 EA REQ'D)

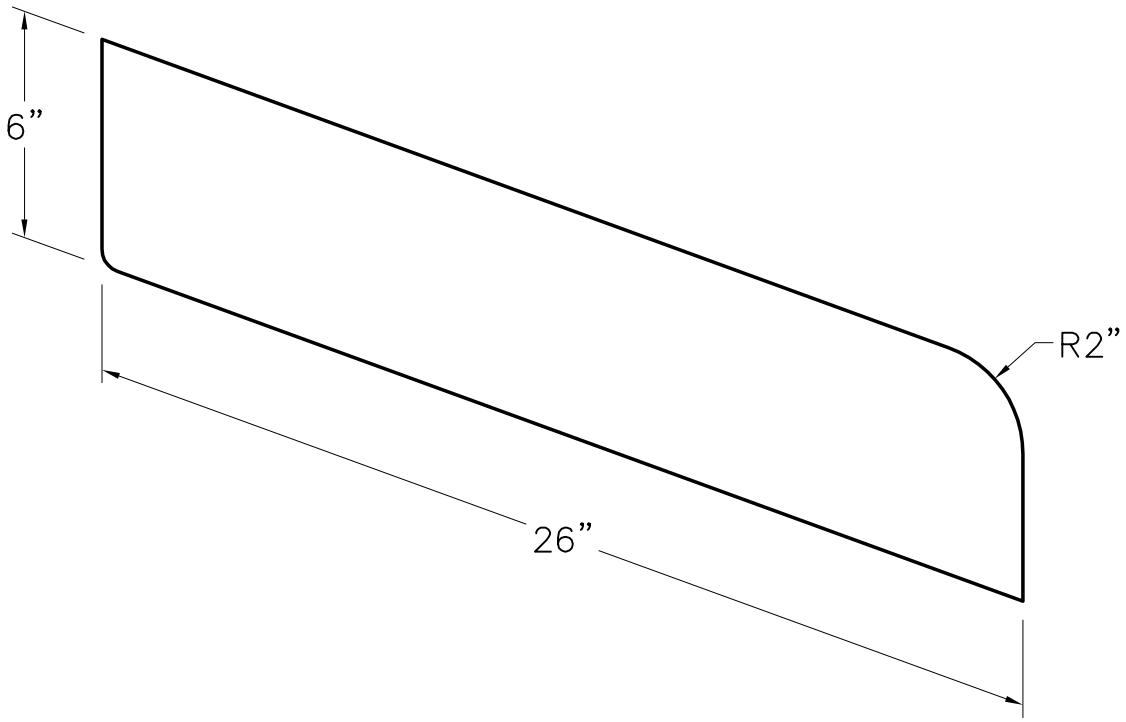
TriMark Federighi CSTM63

All Stainless Sink Splash Guard, per plan (Included in item #105)

<Included>

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SINK SPLASH GUARD



NOTES
14 ga. S/S

Example drawings only, refer to plans for actual dimensions

5021 Seaport Avenue, Richmond, CA 94804 - Phone: (510) 232-8687 - Fax: (510
www.seaportstainless.com

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EQUIPMENT SPEC BOOK

06/01/2015

ITEM# 107 - DISPENSER, TOWEL (2 EA REQ'D)

TriMark Federighi BOB B-2621

Paper Towel Dispenser, wall mounted, stainless finish, per plan

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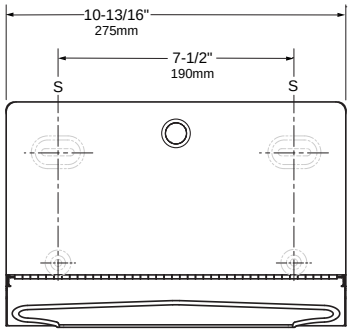
BOBRICK

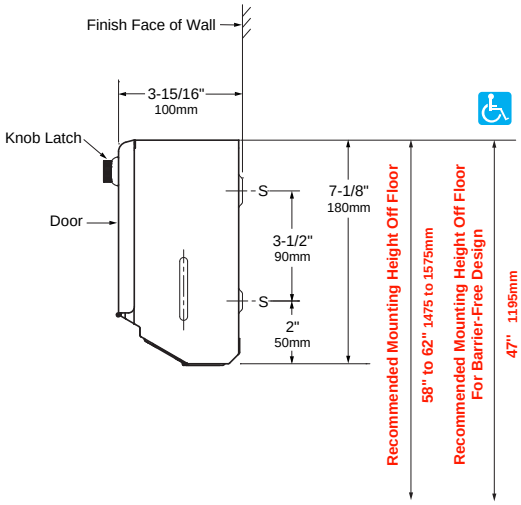
Technical Data

SURFACE-MOUNTED PAPER TOWEL DISPENSER

B-2621







MATERIALS:

Cabinet — 18-8 S, type-304, 22-gauge (0.8mm) stainless steel. All-welded construction. Exposed surfaces have satin finish. Towel tray has hemmed opening to dispense paper towels without tearing.

Door — 18-8 S, type-304, 22-gauge (0.8mm) stainless steel with satin finish. Secured to cabinet with a full-length stainless steel piano-hinge. Equipped with a knob latch.

Optional: Order Bobrick Part No. 262-130 TowelMate™ available as on optional accessory. TowelMate accessory allows for paper towels to dispense one at a time without bulging, sagging or falling through the towel tray opening. TowelMate fits Gamco and most manufacturers' similar models.

OPERATION:

Unit dispenses C-fold and multifold paper towels 3-1/8" to 3-13/16" (79–97mm) deep. Slots in sides of cabinet indicate refill time. Capacity: 200 C-fold or 275 multifold paper towels. To dispense narrower towels 2-1/2" to 3-1/8" (64–79mm) deep, order optional TowelMate accessory Bobrick Part No. 262-130.

INSTALLATION:

Mount unit on wall with four #10 x 1-1/4" (4.8 x 32mm) sheet-metal screws (not furnished) at points indicated by an *S*. For plaster or dry wall construction, provide concealed backing to comply with local building codes, then secure unit with sheet-metal screws. For other wall surfaces, provide fiber plugs or expansion shields for use with sheet-metal screws, or provide 1/8" (3mm) toggle bolts or expansion bolts.

SPECIFICATION:

Surface-mounted paper towel dispenser shall be type-304 stainless steel with all-welded construction; exposed surfaces shall have satin finish. Door shall be secured to cabinet with a full-length stainless steel piano-hinge and equipped with a knob latch. Paper towel tray shall have hemmed opening to dispense paper towels without tearing. Unit shall be capable of dispensing 200 C-fold or 275 multifold paper towel measuring 3-1/8" to 3-13/16" (79 to 97mm) deep. Narrower paper towels 2-1/2" to 3-1/8" (65 to 79mm) deep may be efficiently dispensed with the use of an optional TowelMate accessory, Bobrick Part No. 262-130. TowelMate accessory allows for paper towels to dispense one at a time without bulging, sagging or falling through the towel tray opening.

Surface-Mounted Paper Towel Dispenser shall be Model B-2621 of Bobrick Washroom Equipment, Inc., Clifton Park, New York; Jackson, Tennessee; Los Angeles, California; Bobrick Washroom Equipment Company, Scarborough, Ontario; Bobrick Washroom Equipment Pty. Ltd., Australia; and Bobrick Washroom Equipment Limited, United Kingdom.

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QA062910

The illustrations and descriptions herein are applicable to production as of the date of this Technical Data Sheet.
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EQUIPMENT SPEC BOOK

06/01/2015

ITEM# 107.1 - DISPENSER, SOAP (2 EA REQ'D)

TriMark Federighi BOB-B-4112

Liquid Soap Dispenser, wall mount, stainless, per plan

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BOBRICK

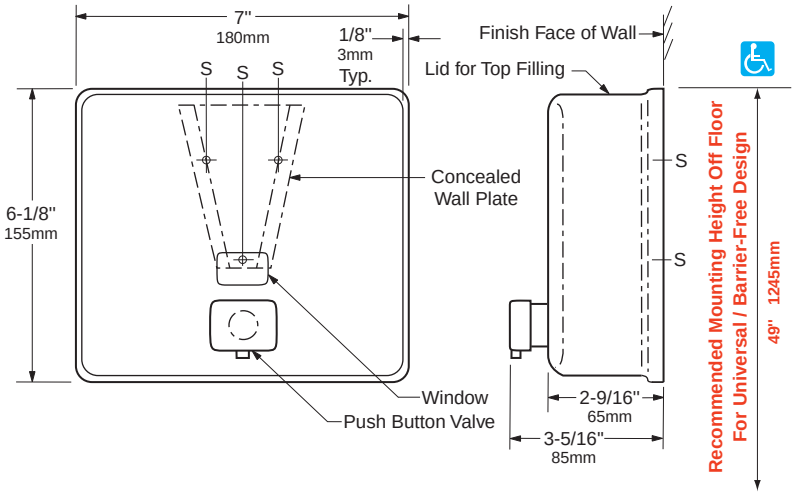
Technical Data

ConturaSeries® SURFACE-MOUNTED SOAP DISPENSER

B-4112



Patented



MATERIALS:

Container — Body is 18-8 S, type-304, 20-gauge (1.0mm) stainless steel with satin-finish. Drawn, one-piece, seamless construction. Front has same degree of arc as other Bobrick ConturaSeries washroom accessories. Radius on corners and edges complement other ConturaSeries accessories. Back plate is 22-gauge (0.8mm) stainless steel with 20-gauge (1.0mm) stainless steel mounting bracket attached. Container body and back plate are epoxy-sealed to prevent warping and leakage. Concealed wall plate is 20-gauge (1.0mm) stainless steel. Equipped with a plastic soap refill-indicator window and a locked, hinged stainless steel lid for top filling. Capacity: 40-fl oz (1.2-L).

Valve — Black molded plastic push button. Soap head-holding mushroom valve. Stainless steel spring. U-packing seal and duckbill. Antibacterial-soap-resistant plastic cylinder.

OPERATION:

Corrosion-resistant valve dispenses commercially marketed all-purpose hand soaps. To prevent corrosion, use only chloride-free pH-netural liquid soaps. Valve operates with one hand, without tight grasping, pinching, or twisting of the wrist, and with less than 5 pounds of force (22.2 N) to comply with barrier-free accessibility guidelines (including ADAAG in U.S.A.). Window indicates when refill is required. The locked, hinged lid opens for top filling with special key provided. Concealed, vandal-resistant mounting.

INSTALLATION:

Secure wall plate to the wall with screws furnished at points indicated by an *S*. Slide mounting bracket of container down onto wall plate and secure unit with furnished locking-screw. For plaster or dry wall construction, provide concealed backing to comply with local building codes, then secure unit with screws furnished. For other wall surfaces, provide fiber plugs or expansion shields for use with screws furnished, or provide 1/8" (3mm) toggle bolts or expansion bolts.

Note: Surface-mount the dispenser plumb and true with valve 6" (152mm) to right or left of lavatory center. Provide 4" (102mm) minimum clearance from the lid to the underside of any horizontal projection. Push buttons should be located 44" (1120mm) maximum above the finish floor.

SPECIFICATION:

Surface-mounted soap dispenser shall be type-304 stainless steel with satin-finish. Corrosion-resistant valve shall dispense commercially marketed all-purpose hand soaps. To prevent corrosion, use only chloride-free pH-netural liquid soaps. Valve shall be operable with one hand and with less than 5 pounds of force (22.2 N) to comply with barrier-free accessibility guidelines (including ADAAG in U.S.A.). Front of soap dispenser shall have same degree of arc and match other Bobrick ConturaSeries® accessories in the washroom. Radius on corners and edges of soap dispenser shall complement other Bobrick ConturaSeries® washroom accessories. Container body and back plate shall be epoxy-sealed to prevent warping and leakage. Soap dispenser shall have concealed, vandal-resistant mounting. Locked, hinged stainless steel lid for top filling shall require special key to open. Capacity shall be 40-fl oz (1.2-L). Manufacturer's service and parts manual shall be provided to the building owner/manager upon request.

Surface-Mounted Stainless Steel Soap Dispenser shall be Model B-4112 of Bobrick Washroom Equipment, Inc., Clifton Park, New York; Jackson, Tennessee; Los Angeles, California; Bobrick Washroom Equipment Company, Scarborough, Ontario; Bobrick Washroom Equipment Pty. Ltd., Australia; and Bobrick Wa[illegible]nt Limited, United Kingdom.

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EQUIPMENT SPEC BOOK

06/01/2015

ITEM# 108 - GARBAGE CAN (1 LT REQ'D)

Rubbermaid FG263200GRAY

ProSave® BRUTE® Container, without lid, 32 gallon, 22"D x 27-1/4"H, round, reinforced rims, built in handles, double rimmed base, high-impact plastic construction, gray, NSF

<by Owner>

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EQUIPMENT SPEC BOOK

06/01/2015

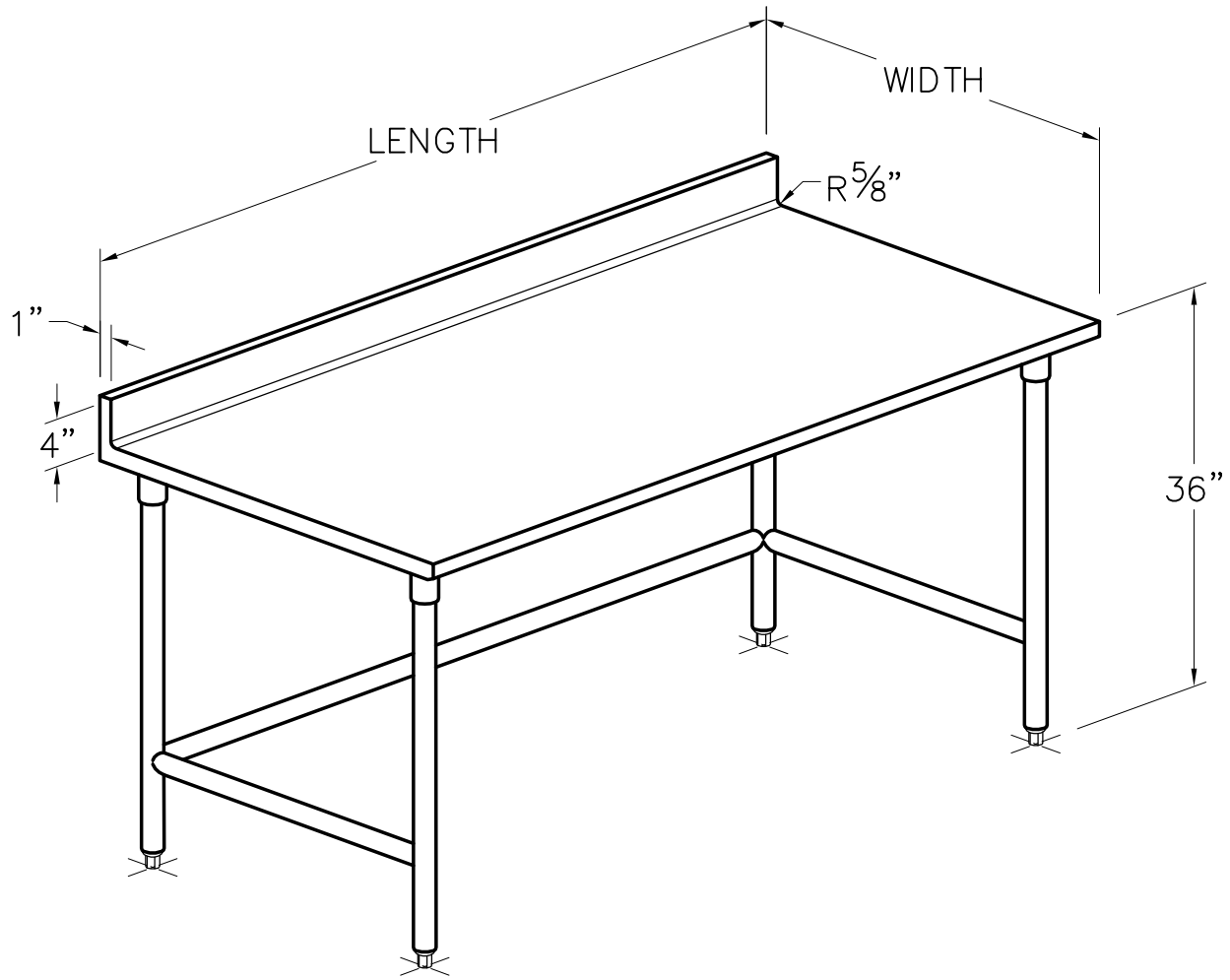
ITEM# 109 - WORK TABLE, OPEN UNDER (1 EA REQ'D)

S/S Fab CSTM10

All Stainless Work Table, 14 GA top, open under, crossbracing, backsplash, APPROX 30x96, per plan

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WORK TABLE
W/ CROSS-BRACING



NOTES

- 14 ga. S/S top
- 1⅝"Ø S/S legs w/ adj. bullet feet
- 1"Ø S/S cross-bracing

Example drawings only, refer to plans for actual dimensions

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EQUIPMENT SPEC BOOK

06/01/2015

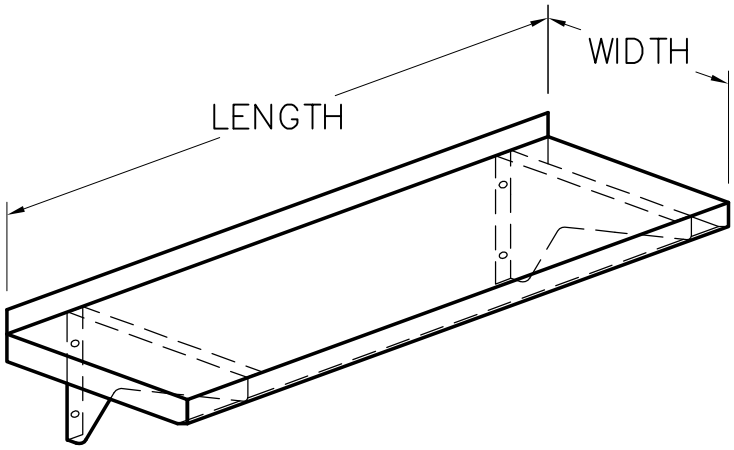
ITEM# 110 - SHELF, SINGLE WALL MOUNT (2 EA REQ'D)

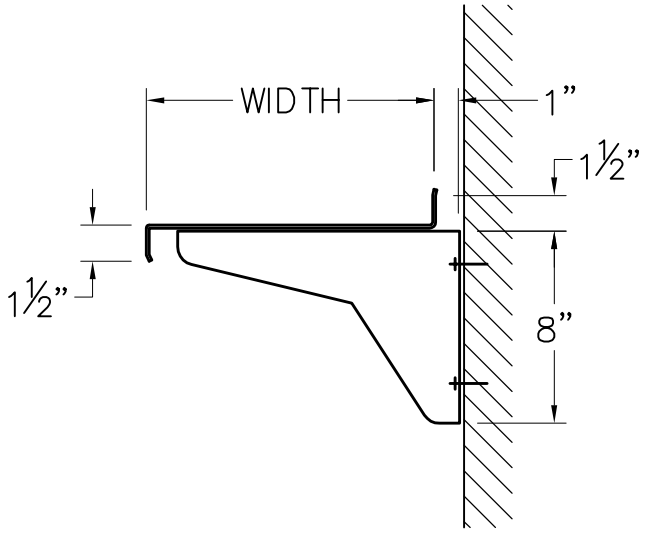
S/S Fab CSTM01

All Stainless Single Wall Shelf, brackets, APPROX 12x96, per plan

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WALL MOUNT SHELF





NOTES

16 ga. S/S shelf and brackets

Example drawings only, refer to plans for actual dimensions

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EQUIPMENT SPEC BOOK

06/01/2015

ITEM# 111-113 - SPARE NO.

<Spare No.>

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EQUIPMENT SPEC BOOK

06/01/2015

ITEM# 114 - DECORATIVE LAMP (8 EA REQ'D)

Hatco DLH-750-CTR

Decorative Lamp, High Wattage, (1) bulb type, 8-1/2" H x 11" Dia. shade, cord mount (overall length from 17" to any length) to track adapter, remote switch, No bulb included (specify finish)

ACCESSORIES

Mfr	Qty	Model	Spec
Hatco	1		NOTE: Sale of this product must comply with Hatco's Minimum Resale Price Policy; consult order acknowledgement for details
Hatco	1		NOTE: Includes 24/7 parts & service assistance, call 800-558-0607
Hatco	1		NOTE: The decorative lamp and Luminaires are NOT returnable
Hatco	8		120v/60/1-ph, 375 watt, standard
Hatco	8	WHITE-CTD-120H	Lamp Bulb, 375 Watt clear, coated
Hatco	8	DL-SWITCH-16AMP	Lamp Toggle Switch, 16 amp (shipped separately)
Hatco	8	DL-CORD-WHITE	White Cord, (CL, CU, CT, RL mounts only), (black is standard) (Not for retrofit)
Hatco	4	DL-TRACK-8W	Track Mount Bar, 8', white
Hatco	8	SWHITE	Smooth white, gloss finish (nc) (Not for retrofit)
Hatco	8		Color to match unit finish
Hatco	8	UP TO 72"	Overall Length - Up to 72" (specify to the nearest inch) (Not for retrofit)

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Project _____

Item # _____

Quantity _____

Decorative Lamps

Models: DL or DLH-400, -500, -600, -700, -725, -750, -760, -775, -800, -1100, -1200, -1300

Hatco Decorative Lamps provide radiant heat to briefly hold food warm at kitchen work areas, waitress pickup stations, or customer serving points, while enhancing your décor. Versatile enough for almost any location, the range of lights are available with a selection of unlimited personalizing choices. In addition to food warming, configurations for lighting (Luminaire) is offered as well.

Standard features

- Luminaire, Standard and High Watt bulbs available (bulb not included in unit price)
- Models available in twelve lamp shade styles
- Eight different mounting arrangements to choose from
- Four switch options
- Available for food holding and display or lighting only applications

NOTE:
Decorative Lamps (DL and DLH Series) are non-returnable.



(From left to right)
DL-700-AU, DL-800-CTR, DL-750-CL, DL-400-SU, DL-725-SU, DL-775-RL, DL-600-SL, DL-500-SU, DL-760-SL, DL-1200-SR, DL-1300-RL and DL-1100-CR

Options (available at time of purchase only)

☐ Designer Colors
☐ Warm Red ☐ Black ☐ Gray Granite ☐ White Granite
☐ Navy Blue ☐ Hunter Green ☐ Antique Copper

☐ Gloss Finishes
☐ Smooth White ☐ Gleaming Gold ☐ Glossy Gray
☐ Bold Black

☐ Plated Finishes (Special process required and extended lead times)
☐ Bright Brass ☐ Bright Nickel ☐ Bright Copper
☐ Antique Nickel ☐ Antique Brass ☐ Antique Bronze

☐ Gloss Finishes *for Shade Only* (Special process required and extended lead times)
☐ Radiant Red ☐ Brilliant Blue ☐ Clear Brushed Metal Finish

☐ Cord Color
☐ Black (Standard) ☐ White (Retractable Mounts only)

☐ Luminaire Lighting, (200W bulb maximum, not included)

☐ Extended Electrical Leads – For any SU, SL, or SR mount unit, must specify lead length)
☐ 1'-5' (305-1524 mm) ☐ 6'-10' (1829-3048 mm)
☐ 11'-15' (3353-4572 mm) ☐ 16'-20' (4877-6096 mm)

Accessories

☐ Track Mount Bar - (120V only)
☐ 4' (1219 mm) Black ☐ 4' (1219 mm) White
☐ 8' (2438 mm) Black ☐ 8' (2438 mm) White
☐ 12' (3658 mm) Black ☐ 12' (3658 mm) White

☐ Additional Track Installation and Modification Kit
☐ Black ☐ White

☐ 16 Amp Lamp Toggle Switch

☐ Coated Bulbs for Luminaire models only
☐ 120V, 60W Clear ☐ 240V, 60W Clear

☐ Coated Bulbs
☐ 120V, 250W Clear ☐ 240V, 250W Clear
☐ 120V, 250W Red

☐ Coated Bulbs for DLH models only
☐ 120V, 375W Clear ☐ 120V, 375W Red

☐ Uncoated Bulbs
☐ 120V, 250W Clear ☐ 240V, 250W Clear
☐ 120V, 250W Red

☐ Uncoated Bulbs for DLH models only
☐ 120V, 375W Clear ☐ 120V, 375W Red

Build Your Decorative/Luminaire Lamp in Six Easy Steps

(not for retrofit-bulb not included) –

Step 1	Wattage
Step 2	Shade Style
Step 3	Shade and Canopy Colors
Step 4	Mounting Style
Step 5	Switch Location
Step 6	Overall Length

BUILD A LAMP

You can develop your own Hatco Decorative Lamp solutions with our online lamp configurator.

Visit "www.hatcocorp.com" and click on "Build a Lamp"

ANSI/NSF 4

MADE IN THE USA

Approved as to Form CAO RISK

HATCO CORPORATION | **P.O. Box 340500 Milwaukee, WI 53234-0500 U.S.A.** | **(800) 558-[illegible]350**
Fax: (800) 543-7521 | **Int'l. Fax: (414) 671-3976** | **www.hatcocorp.com** | **email: equips[illegible]n**

Decorative Lamps and Luminaires

Models: DL or DLH-400, -500, -600, -700, -725, -750, -760, -775, -800, -1100, -1200, -1300

ORDERING INSTRUCTIONS

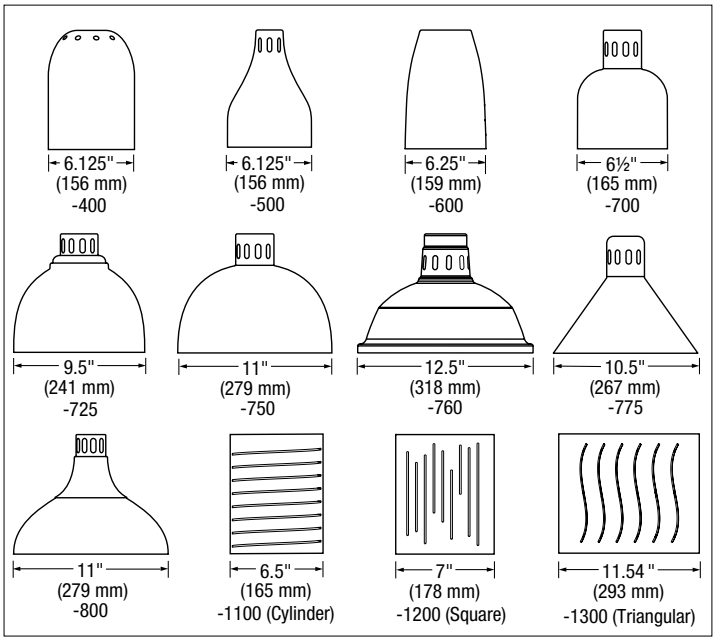
Please refer to the six steps in the Hatco Foodservice Equipment Price List, go online at www.hatcocorp.com and click on “Build A Lamp”, or click on "Video Library" and watch “Decorator Lamp Configurator”. This will help you in choosing the correct configuration for your specific needs.

Step 1-Wattages

Model▲	Maximum Watt Bulb (Not included)	Voltage (Single Phase)	Ship Weight▼
DL- (Luminaire)	200	120, 240	6-10 lbs. (3-5 kg)
DL- (Standard)	250	120, 240	6-10 lbs. (3-5 kg)
DLH- (High Watt)	375	120, 240	6-10 lbs. (3-5 kg)

▲Not field convertible ▼Depending on components

Step 2-Shade Styles - All heights are 8.5" (216 mm)

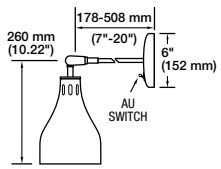


✖ **NOTE:** Lamp shade diameter and wattage may limit number of lamps per track. To assure warranty coverage, do not install track systems in damp or wet locations (including above steam tables).

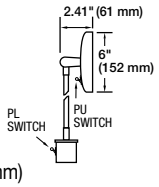
Step 3-Colors (Available for all *Designer colors*, Plated and Gloss finishes, see front of Spec Sheet, www.hatcocorp.com or Hatco Price List)

Step 4-Mounting Styles

(A) Mount
Rigid Mount to canopy with pivot. Specify horizontal stem length from 7" to 20" (178 to 508 mm). Unit length is 17" to 30" (432 to 762 mm)

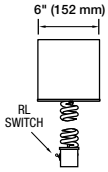


(P) Mount
Rigid Mount to canopy with pivot. Specify overall length *(from pivot to bottom of lamp shade)* from 17" to 71" (432 to 1803 mm)

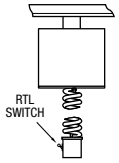


Step 4-(*Continued*)

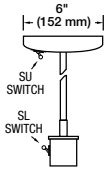
(R) Mount
Retractable Cord Mount. Adjusts from 31" to 69.5" (787 to 1765 mm)



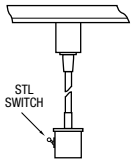
(RT) Mount✖
Retractable Cord Mount to track adapter. Adjusts from 33.375" to 71.875" (848 to 1826 mm)



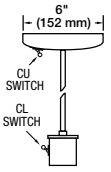
(S) Mount
Rigid Stem Mount to canopy. Specify overall length from 14" to 71" (356 to 1803 mm).



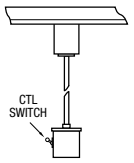
(ST) Mount✖
Rigid Stem Mount to track adapter. Specify overall length from 17" to 71" (432 to 1803 mm).



(C) Mount
Cord Mount to canopy. Specify overall length from 17" (432 mm) to any length.



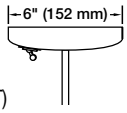
(CT) Mount✖
Cord Mount to track adapter. Specify overall length from 17" (432 mm) to any length.



Step 5-Switch Locations

(N)–None
Supplied by installer

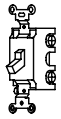
(U)-Upper Switch
Not available on:
- DLH-(high watt models)
- R Mount
- Track Mounts: (CT, RT, ST)



(L)-Lower Switch
Not available on:
- DLH-(high watt models)
- A Mount

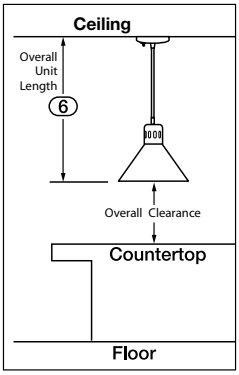


(R)-Remote Switch
- Accommodates 16 amps
- Up to seven 250W lamps, or five 375W lamps maximum per remote switch



Step 6-Overall Unit Length

- **For C, CT, S or ST Mounts:** From ceiling to bottom of warmer lamp shade.
- **For A or P Mounts:** From center of shade to wall plus vertical shade length (see line art in mounting styles).
- **For Clearance:** See "Clearance Requirements" in the Hatco Price List Ordering Instructions.



PRODUCT SPECS
Decorative Lamp

The Decorative Lamp shall be a Hatco Model … as distributed by the Hatco Corporation, Milwaukee, WI 53234 U.S.A.

With 24/7 parts and service assistance (US and Canada only), the Decorative Lamp shall be rated at … watts, … volts, and … inches (millimeters) in overall width. It shall consist of a vented lamp shade and mounting. Switch locations can be upper, lower, remote or supplied by installer. Bulb options are uncoated or coated, clear or red, 60W clear, 250W (DL models) or 375W (DLH models).

One year on-site parts and labor warranty with 24/7 technical assistance in the US and Canada only.

EQUIPMENT SPEC BOOK

06/01/2015

ITEM# 115 - BANQUET SERVING TRAYS (1 LT REQ'D)

O

SERVING TRAYS, ON STAND, TO BE SUPPLIED BY CATERER, per plan

<>

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EQUIPMENT SPEC BOOK

06/01/2015

ITEM# 116 - WATER FILTER ASSEMBLY (1 EA REQ'D)

Everpure EV933042

High Flow CSR Twin Water Filter System, combination coffee brewers, hot chocolate, fountain & ice maker, 2 MC 1/2 micron precoat Cartridges, 1 SRX scale reduction feeder, 1 EC210 pre-filter, water shut-off, pressure gauges, flushing valve. FOR COFFEE BREWER

ACCESSORIES

Mfr	Qty	Model	Spec
Everpure	1		1 year warranty for replaceable elements (filter & water treatment cartridges) and 5 year warranty (the entire system excluding replaceable elements) from date of purchase

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EV9330-42

High Flow CSR Twin-MC² System

Delivers premium quality water for combination applications



High Flow CSR Twin-MC² System: EV9330-42

MC² Replacement Cartridge: EV9612-56

EC210 Prefilter Cartridge: EV9534-26

SS-IMF Cartridge: EV9799-32

BENEFITS

One system provides premium quality water to high flow fountain, coffee and ice machines

New and improved Micro-Pure II media inhibits the growth of bacteria

Reduces chlorine taste and odor and other offensive contaminants that can adversely affect the taste of beverages

Precoat submicron technology reduces dirt and particles as small as 1/2 micron in size and reduces health contaminants such as cysts

Increases the overall efficiency of foodservice equipment

20" prefilter captures larger dirt particles

SR-X with SS-IMF cartridge inhibits scale buildup in ice machines and coffee brewers

Sanitary cartridge replacement is simple, quick and clean. Internal filter parts are never exposed to handling or contamination

NSF Certified under NSF/ANSI Standards 42 and 53

INSTALLATION TIPS

Choose a mounting location suitable to support the full weight of the system when operating

Use 3/4" water line

Fountain equipment connections are made to the outlet part of the system before the SR-X system

Coffee brewer and ice machine connections are made after the SR-X feeder; a tee is required

Install vertically with cartridges hanging down. Allow 2-1/2" clearance below the cartridge for easy cartridge replacement

Flush cartridges by running water through flushing valve for five minutes at full flow

OPERATION TIPS

Change cartridges on a regular 6 month preventative maintenance program

Change cartridges when capacity is reached or when pressure falls below 10 psi

Change SS-IMF cartridge before Hydroblend™ compound is completely used up

Change prefilter cartridge when excessively dirty

Always flush the filter cartridge at time of installation and cartridge change

APPLICATION/SIZING

For multiple equipment and combination applications

Combination of coffee brewers, espresso mahines, hot chocolate dispensers, fountain and ice machines

Rated Capacity: 18,000 gallons

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High Flow CSR Twin-MC² System

SPECIFICATIONS

Overall Dimensions:
25.59"H x 25.8"W x 6.74"D

Inlet connection: 3/4"

Outlet connection: 3/4"

Service Flow Rate:
Maximum 3.34 gpm (12.6 Lpm)

Rated Capacity: 18,000 gallons

Pressure Requirements:
10 - 125 psi (0.7 - 8.6 bar), non-shock

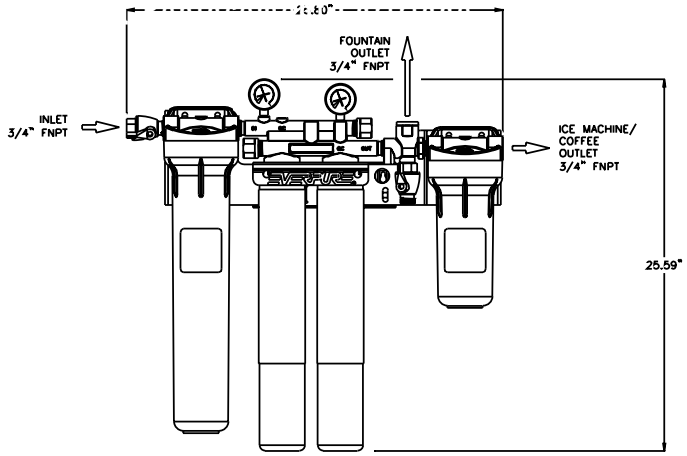
Temperature: 35 - 100°F (2 - 38°C)

No electrical connection required

Shipping Weight: 30 lbs.

Operating Weight: 42 lbs.

The contaminants or other substances removed or reduced by this drinking water system are not necessarily in your water. Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. Systems certified for cyst reduction may be used with disinfected water that may contain filterable cysts.



WARRANTY

Everpure water treatment systems (excluding replaceable elements) are covered by a limited warranty against defects in material and workmanship for a period of five years after date of purchase. Everpure replaceable elements (filter cartridges and water treatment cartridges) are covered by a limited warranty against defects in material and workmanship for a period of one year after date of purchase. See printed warranty for details. Everpure will provide a copy of the warranty upon request.

System Tested and Certified by NSF International against NSF/ANSI Standard 42 and 53 for the reduction of:

Standard No. 42: Aesthetic Effects
- Chemical Unit
  - Taste and Odor Reduction
  - Chlorine Reduction
- Mechanical Filtration Unit
  - Particulate Reduction, Class I: 99.9+% reduction of particles one-half micron and larger in size

Standard No. 53: Health Effects
- Mechanical Filtration Unit
  - Turbidity Reduction
  - Cyst Reduction
  - Asbestos Reduction

EVERPURE®

EVERPURE, LLC
1040 Muirfield Drive
Hanover Park, Illinois 60133
Toll Free (800) 323-7873
Tel (630) 307-3000
Fax (630) 307-3030
http://www.everpure.com

In Europe:
N.V. EVERPURE (EUROPE) S.A.
Industriepark Wolfstee
Toekomstlaan 30
B-2200 Herentals
Belgium
Tel 32 -14-283500
Fax 32-14-283505

In Japan:
EVERPURE JAPAN LLC
Hashimoto MN Bldg. 7F
3-25-1 Hashimoto Sagamihara-Shi
Kanagawa 229-1103
Japan
Tel 81-(0)42-775-3011
Fax 81-(0)42-775-3015

Everpure, LLC
1040 Muirfield Drive
Hanover Park, IL 60133
Ph: 630-307-3000 Fax: 630-307-3030

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EQUIPMENT SPEC BOOK

06/01/2015

ITEM# 117 - COFFEE BREWER (1 EA REQ'D)

FETCO CBS-62H

6000 Series Twin 3.0 gallon Coffee Brewer, automatic, gravity flow dispense tube system, gourmet coffee brew basket locks during brew cycle, hot water service, use with TPD-30 dispenser (sold separately)

<>

ACCESSORIES

Mfr	Qty	Model	Spec
FETCO	1		Circuit board: 3 year parts & 1 year labor warranty, standard
FETCO	1		Electro-mechanical parts: 2 year parts & 1 year labor warranty, standard
FETCO	1		All other parts: 1 year parts & 1 year labor warranty, standard
FETCO	1	C62016	3 x 3.0 KW heaters, 120/208-240V, 1-ph, 3+G wires, 6.9 - 9.1 KW, hardwired, 32.9 - 37.9 max amp draw, 18.0 - 21.0 gallons per hour
FETCO	1		1 year parts warranty, standard
FETCO	1		Black dispenser faucet, std.

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CBS-62H

Twin Station 3.0 Gallon Coffee Brewer

Features & Benefits

- 2 x 3.0 gallon size meets the high volume demands of large scale operations.
- Designed for simplicity, the Handle Operated series brewers save operator time and effort by delivering consistent results from your pre-programmed coffee recipe.
- Twin station configuration provides the flexibility of brewing two different recipes at the same time!
- The twin 3.0 gallon brewer is a popular choice for high volume satellite coffee service in banquet halls, large hotels, cafeterias and catering operations.
- Brew directly into the ultra durable TPD-30 thermal dispensers (sold separately).
- Available in multiple power configurations to efficiently meet your cups-per-hour requirement and keep energy costs at a minimum.





Electrical Configuration

Configuration Code	Heater Configuration	Voltage	Phase	Wires	KW	Electrical Connection	Max Amp Draw	Gallon/Hour
US / CANADA								
C62016	3 x 3.0 kW	120/208-240	1	3+G	6.9-9.1	Hardwired	32.9-37.9	18.0-21.0(1)
C62026	3 x 4.0 kW	120/208-240	1	3+G	9.1-12.1	Hardwired	43.7-50.4	21.0-30.0(1)
C62036(2)	3 x 3.0 kW	120/208-240	3	4+G	6.9-9.1	Hardwired	19.4-22.4	18.0-24.0(1)
C62046(2)	3 x 4.0 kW	120/208-240	3	4+G	9.1-12.1	Hardwired	25.6-29.6	21.0-30.0(1)
C62056(2)	6 x 3.0 kW	120/208-240	3	4+G	13.6-18.1	Hardwired	38.2-44	33.0-45.0(1)
C62066(2)	6 x 4.0 kW	120/208-240	3	4+G	18.1-24.1	Hardwired	50.7-58.5	45.0-54.0(1)
C62146	6 x 3.0 kW	440-480	3	3+G	15.4-18.1	Hardwired	20.2-22.0	39.0-45.0(1)
C62166	6 x 4.0 kW	440-480	3	3+G	20.4-24.1	Hardwired	26.8-29.2	45.0-54.0(1)
EXPORT								
C62106(2)	6 x 3.0 kW	220-240/380-415	3	4+G	15.4-18.1	Hardwired	23.3-25.4	39.0-45.0(1)
C62136(2)	6 x 4.0 kW	220-240/380-415	3	4+G	20.4-24.1	Hardwired	30.9-33.8	54.0-54.0(1)

(1) Based on standard factory settings: 4.0 minute brew time; 0% prewet; 200°F water.
(2) Requires 3 phase upcharge (Z056).

Water Specification

Water Inlet	Water Pressure	Minimum Flow Rate
3/8" Male Flare	20-75 psig	2 gpm

Dimensions

Type	Height	Width	Depth	Weight
Product	40"	36"	24"	195 lbs
Shipping	38"	37"	24"	197 lbs

Customize Your Brewer

DISPENSERS

3.0 Gallon LUXUS® Thermal Dispenser (TPD-30) **D012**



TPD-30 Thermal Dispenser

ACCESSORIES

Half Batch Brew Basket for CBS-6000 Series Brewers (18" x 7") **B00828003**

OPTIONS

Orange Dispenser Faucet Replacement Handle	**1071.00029.00**
Green Dispenser Faucet Replacement Handle	**1071.00031.00**
Blue Dispenser Faucet Replacement Handle	**1071.00032.00**

WATER FILTRATION SYSTEM

In-Line Water Filter (Head / Cartridge / Hose)	**A039**
Replacement Water Filter Cartridge	**A075**

PAPER COFFEE FILTERS

20" x 8" (500 Per Case)	**F004**
18" x 7" (500/Case) for Half Batch Brew Basket	**F005**

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EQUIPMENT SPEC BOOK

06/01/2015

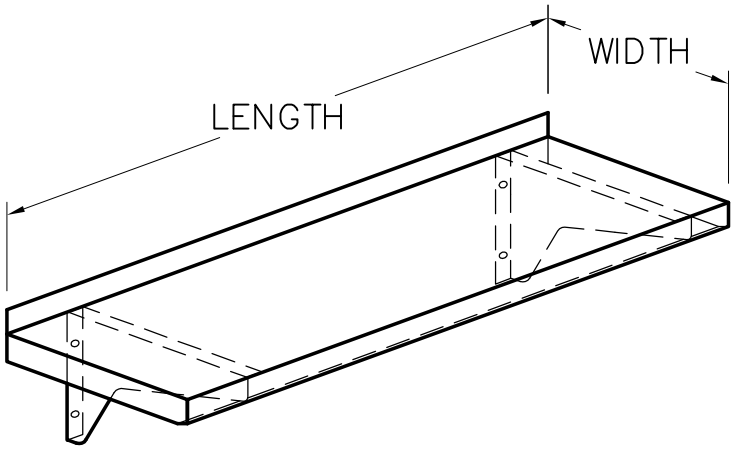
ITEM# 118 - SHELF, SINGLE WALL MOUNT (1 EA REQ'D)

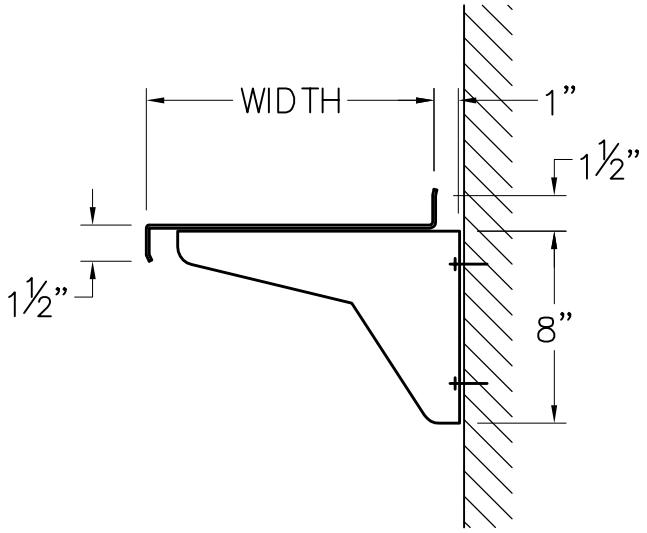
S/S Fab CSTM01

All Stainless Single Wall Shelf, brackets, APPROX 12x42, per plan

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WALL MOUNT SHELF





NOTES

16 ga. S/S shelf and brackets

Example drawings only, refer to plans for actual dimensions

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EQUIPMENT SPEC BOOK

06/01/2015

ITEM# 119 - BEVERAGE DISPENSER, INSULATED (3 EA REQ'D)

FETCO D012

TPD-30 LUXUS® Thermal Dispenser, 3.0 gallon, stainless steel construction, twist & remove lid, thermally insulated, faucet & gauge guards, side handles

<>

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FETCO®

ITEM NUMBER:_____

MODEL TPD-30
SERIES TPD



NATURAL EVOLUTION

It Started in 1987.....

We pioneered the **LUXUS® THERMAL DISPENSER,** dreaming that one day it would become the standard for dispensing coffee that always tastes "just brewed". Fifteen years and hundreds of thousands of dispensers later our vision is the mark of serving the freshest tasting coffee.

Now for those who are driven and passionate about providing the best coffee, we present our newest model of **LUXUS® THERMAL DISPENSERS** with these patented innovations:

Thermally Insulated

All Stainless Construction

Twist & Remove Lid

Sight Gauge

Consultant & Contractor Approvals:

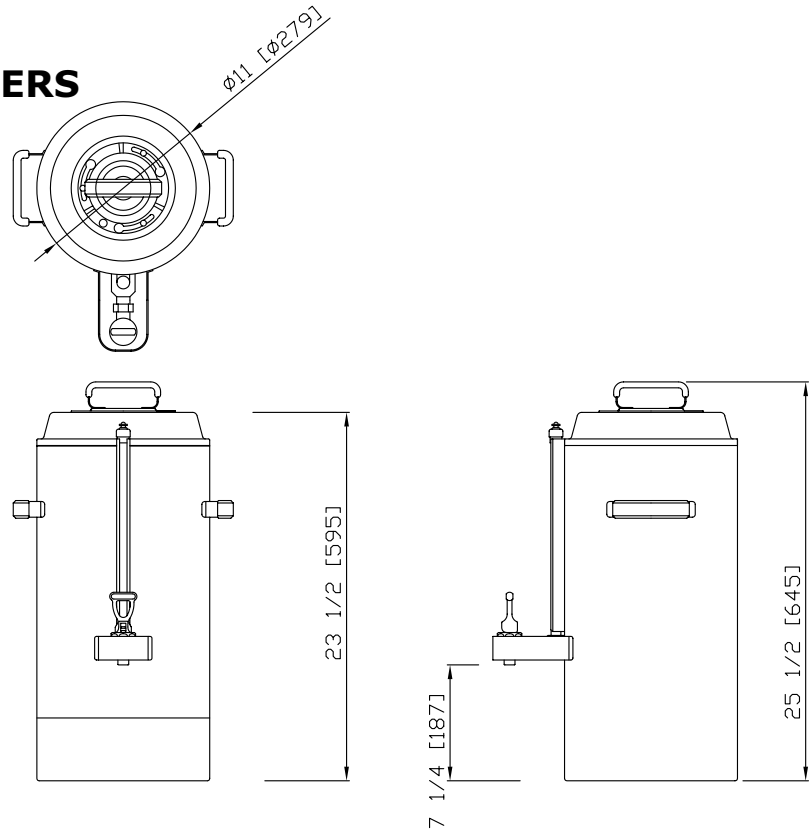
The LUXUS® Thermal Dispenser
Brewing directly into our LUXUS® Thermal Dispenser ensures a continuous flow of hot, aromatic, great tasting coffee. LUXUS® Thermal Dispensers are totally portable and require no electric power to maintain serving temperature. LUXUS® Thermal Dispensers remove the hazards of utilizing glass-lined products without loss of performance, while adding the durability of stainless steel.

FETCO®
600 Rose Road
Lake Zurich, IL 600047-0429
USA
Phone: (847) 719-3000
Toll Free: (800) FETCO-99
FAX: (847) 719-3001
sales@fetco.com
http://www.fetco.com

Printed in USA 2006

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MODEL TPD-30
LUXUS® THERMAL DISPENSERS



TPD-30

ITEM / CAPACITY
D012 / 3.0 Gallon

SHIPMENT DIMENSIONS / WEIGHT
W14 D16 H28 / 21lbs

ACCESSORIES

A015	Round Drip Tray
A031	3.0 Gallon Maritime Brewer & Server Ring For TPD-30 (MSR-30)
A069	Identifier Plate, Acrylic
A086	Ring Plastic Base For TPD-30

OPTIONS

Z044	Wrap Application

FETCO®
600 Rose Road
Lake Zurich, IL 60047-0429 USA
Phone: (847) 719-3000 Toll Free: (800) FETCO-99
FAX: (847) 719-3001
sales@fetco.com http://www.fetco.com

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EQUIPMENT SPEC BOOK

06/01/2015

ITEM# 120 - RACK DOLLY (6 EA REQ'D)

Metro DH2121C

Dolly, for Cup/Glass Rack, platform design, single stack, designed for 20" x 20" racks, all aluminum construction, with handle

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Item# _____

Job _____

RACK DOLLIES & ACCESSORIES



Model CBH2121C (with Sani-Stack Racks)



Heavy-Duty Cup/Glass Rack Dollies

Model D2121C



Dish Rack Dolly

Model D2020N

NSF

Rack Dollies

- **Reduce Breakage:** Use of these rack dollies keeps handling of tableware to a minimum, thereby reducing breakage and saving money on replacement.
- **Simplify Storage and Set-Up:** These dollies facilitate the movement of heavily loaded racks from the dish room into storage or directly into use in banquet areas.
- **Keep Contents Clean:** One-piece solid pan construction protects cups and glassware from dust and dirt particles which may be stirred up by caster rotation. Prevents dripping.
- **Maneuver Easily:** Dollies have five-inch (127mm) heavy-duty, non-marking, resilient tread swivel casters for easy maneuverability.
- **Handle Provides Extra Control:** A tubular steel handle, standard on three models, provides extra control in transporting loaded dollies.
- **Corner Bumpers Offer Protection:** Non-marking corner bumpers, standard on four models, protect walls, doorways and furniture from nicks and scratches.

Heavy-Duty Cup/Glass Rack Dollies

- **Easy Loading/Unloading:** Dollies are a convenient 13" (330mm) off the floor so they can be loaded and unloaded with minimum stooping.
- **Durable:** Sturdy Super Erecta Shelf® construction ensures strength and durability.

Dish Rack Dollies

- **Lightweight Aluminum**, but built for heavy service. Moderately priced.

InterMetro Industries Corporation
North Washington Street
Wilkes-Barre, PA 18705
www.metro.com

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Agreement # Ag-5097 - Page 309 of 329

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Job_____

RACK DOLLIES & ACCESSORIES

DIMENSIONS:

Heavy-Duty Cup/Glass Rack Dolly

Model No.	Description	Overall Dimensions W x L (in.)	(mm)	Overall Height (in.)	(mm)	Approx. Pkd. Wt. (lbs.)	(kg)
D2121C	Without Bumpers & Handle	20 7/8 x 20 7/8	530 x 530	12 1/8	310	28	13
DH2121C	With Handle	20 7/8 x 23 7/8	530 x 605	36 5/8	930	33	15
CB2121C	With Corner Bumpers	23 3/8 x 23 3/8	595 x 595	12 1/8	310	29	13
CBH2121C	With Corner Bumpers & Handle	23 3/8 x 25	595 x 635	36 5/8	930	34	15

Dish Rack Dolly

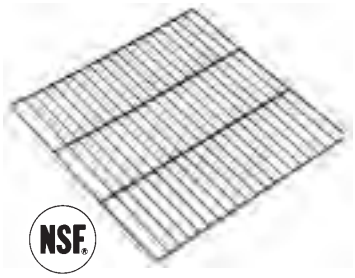
Model No.	Type	Overall Width (in.)	(mm)	Height (in.)	(mm)	Approx. Pkd. Wt. (lbs.)	(kg)
D2020N	Without Handle	21 1/2 sq.	545 x 545	6 1/8	156	13 5/8	6.2
DH2020N	With Handle	21 1/2 sq.	545 x 545	33 3/8	848	15 3/4	7.1
H2020C	Handle						

Dollies under 21 1/2" sq. (545mm) made to order.

Glass Rack Cover

- **Prevents** lightweight ware from overturning in the dishwashing machine.
- **PVC-Coated**
- Fits into any 20" x 20" (508 x 508mm) rack.

Model No.	Size (in.)	(mm)	Approx. Pkd. Wt. (lbs.)	(kg)
G2020	18 1/8 x 18 1/8	460 x 460	2 1/4	1.0





G2020 Grid in full-size rack

Manufactured by:
InterMetro Industries Corp.
North Washington Street
Wilkes-Barre, PA 18705

Phone 717-825-2741
FAX 717-825-2852
For Product Information, call 1-800-433-2232
For Customer Service, call 1-800-992-1776

EQUIPMENT SPEC BOOK

06/01/2015

ITEM# 121-124 - SPARE NO.

<Spare No.>

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EQUIPMENT SPEC BOOK

06/01/2015

ITEM# 125 - WATER FILTER ASSEMBLY (2 EA REQ'D)

Everpure EV910032

CB20-302E System, with dual high pressure housing (1) CC1E & (1) CC3E Cartridge, pressure relief valve, outlet pressure gauge, mounting bracket, for high flow, high volume combination applications requiring chloramines reduction, 20,000 gallon capacity, 5.0 gpm. FOR TABLE DRINKING WATER

Approved as to Form CAO RISK

EV9100-32

CB20-302E Water Filter

High flow, high capacity carbon filter for chlorine and chloramine reduction



CB20-302E System: EV9100-32

302 Replacement Cartridge Kit: EV9105-21

Kit contains: (1) CC1E replacement cartridge and (1) CC3E replacement cartridge

BENEFITS

Improves the taste and consistency of beverages and ice by reducing chloramine, chlorine and other off-tastes and odors

CC1E extended service cartridge contains radial flow granular activated carbon (GAC)

CC3E cartridge fine filters water by reducing sediment and dirt larger than 1/2 micron in size

Reduces asbestos fibers and cysts such as Cryptosporidium and Giardia

High pressure housing includes head with pressure relief valve, mounting bracket and bowl

Integral inlet and outlet pressure gauge monitors operation

NSF Certified under NSF/ANSI Standards 42 and 53

INSTALLATION TIPS

Choose a mounting location which is suitable to support the full weight of the system when operating (60 lbs.)

3/4" FNPT inlet and outlet connection

Install on cold water lines only

Do not install where unit is exposed to direct sunlight

Allow a minimum of 4" clearance under the filter to facilitate cartridge change

Do not braze/solder fittings into head

Never use a saddle valve for connection

OPERATION TIPS

Change cartridges on a regular 6 month preventative maintenance program

Change cartridges when capacity is reached (20,000 gallons) or when flow becomes too slow

Change cartridges when the difference between the two pressure gauges is greater than or equal to 20 psi

Service flow rate must not exceed 5.0 gpm

After installing CC1E cartridge, flush at full flow for 5 minutes. Install CC3E cartridge and flush system for 10 minutes

APPLICATION/SIZING

For high flow, high volume foodservice applications requiring chloramine reduction

Capacity: 20,000 gallons (75,700L)

Up to 5 gpm (19 Lpm) flow rate

For coffee and ice applications, add scale reduction feeder at outlet of system. Part no. EV9798-45

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CAO RISK

CB20-302E Water Filter

SPECIFICATIONS

Overall Dimensions:
27-3/4"H x 20-3/4"W x 9"D

Inlet connection:
3/4" FNPT

Outlet connection:
3/4" FNPT

Service Flow Rate:
Maximum 5.0 gpm (19 Lpm)

Capacity: 20,000 gallons (75,700L)

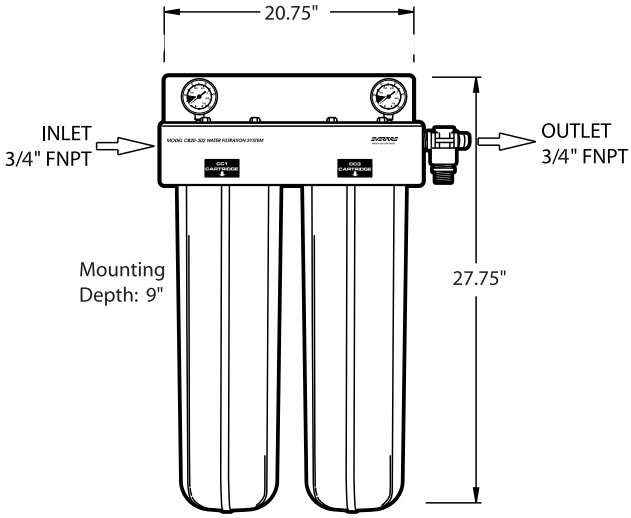
Pressure Requirements:
20 - 100 psi (1.4 - 6.9 bar), non-shock

Temperature:
35 - 100°F (2 - 38°C)

No electrical connection required

Shipping Weight: 46 lbs.

The contaminants or other substances removed or reduced by this drinking water system are not necessarily in your water. Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. Systems certified for cyst reduction may be used with disinfected water that may contain filterable cysts.



WARRANTY

Everpure water treatment systems (excluding replaceable elements) are covered by a limited warranty against defects in material and workmanship for a period of five years after date of purchase. Everpure replaceable elements (filter cartridges and water treatment cartridges) are covered by a limited warranty against defects in material and workmanship for a period of one year after date of purchase. See printed warranty for details. Everpure will provide a copy of the warranty upon request.

INDEPENDENTLY CERTIFIED NSF

System Tested and Certified by NSF International against NSF/ANSI Standard 42 and 53 for the reduction of:

Standard No. 42: Aesthetic Effects
- Chemical Unit
  - Taste and Odor Reduction
    - Chlorine Reduction
    - Chloramine Reduction
  - Mechanical Filtration Unit
    - Particulate Reduction, Class I: 99.9+% reduction of particles one-half micron and larger in size

Standard No. 53: Health Effects
- Mechanical Filtration Unit
  - Turbidity Reduction
  - Cyst Reduction

EVERPURE®

EVERPURE, INC.
2375 Sanders Road
Northbrook, IL 60062
Toll Free (800) 323-7873
Tel (847) 205-6000
Fax (800) 942-0081
http://www.everpure.com

In Europe:
N.V. EVERPURE (EUROPE) S.A.
Geldenaaksebaan 478
B-3001 Heverlee
Belgium
Tel 32-16-401191
FAX 32-16-402691

In Japan:
EVERPURE JAPAN, INC.
1-8-19, Tsumada Kita,
1-Chome, Atsugi City
Kanagawa Ken 243-0812
Japan
Tel 81-462-23-6563
FAX 81-462-21-6775

Everpure, Inc.
2375 Sanders Road
Northbrook, IL 60062
Phone: 800-323-7873 Fax: 800-942-0081

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EQUIPMENT SPEC BOOK

06/01/2015

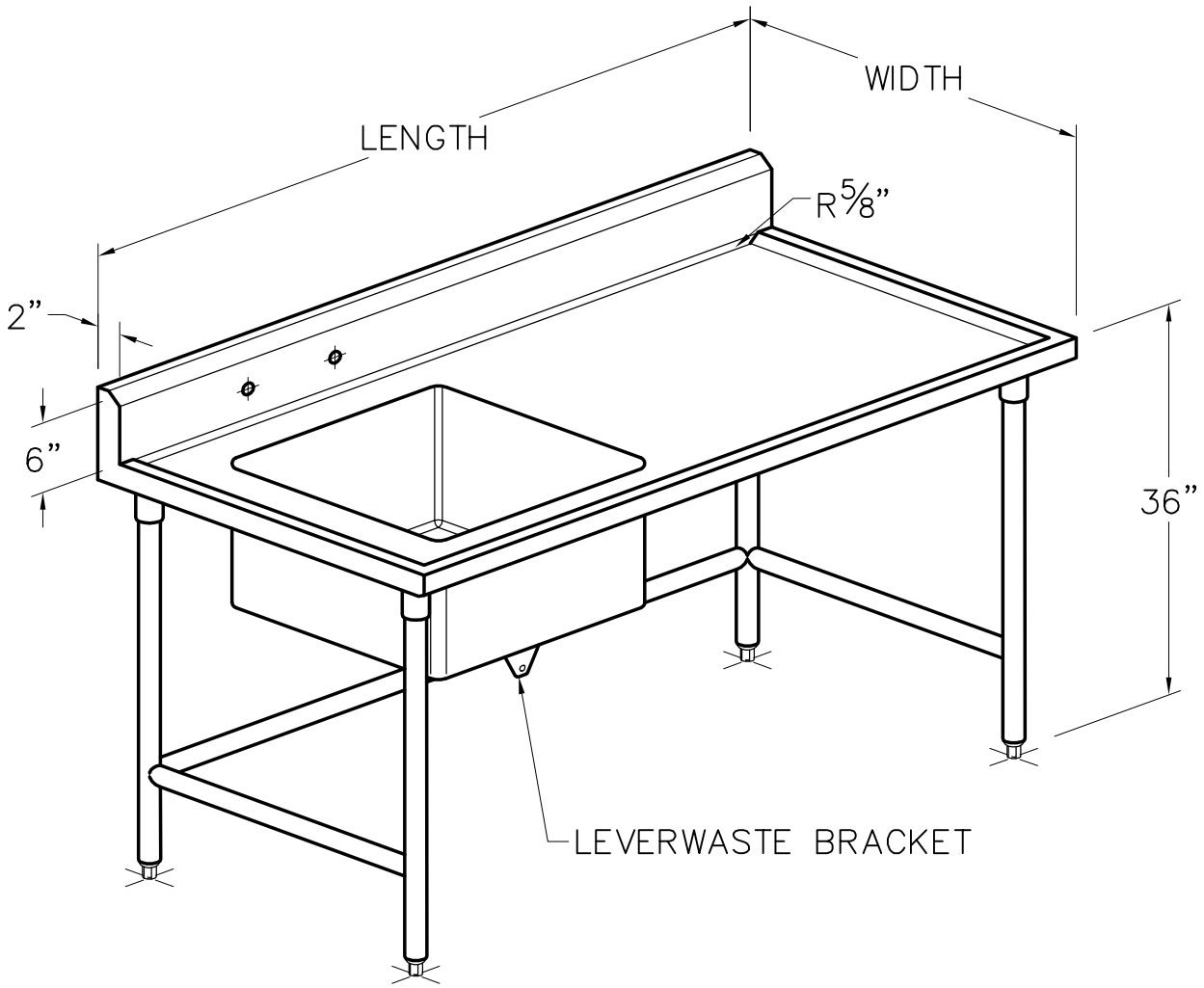
ITEM# 126 - WORK TABLE, ICE/WATER SINK, OPEN UNDER (1 EA REQ'D)

S/S Fab CSTM11

All Stainless Work Table, ICE/WATER Sink, 14 GA top, open under, crossbracing, lever waste bracket, marine style edge top, backsplash, RIGHT RETURN SPLASH, APPROX 30x108, per plan

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PREP SINK
W/ CROSS-BRACING



NOTES

- 14 ga. S/S top
- 16 ga. S/S integral sink
- 1⅝"Ø S/S legs w/ adj. bullet feet
- 1¼"Ø S/S cross-bracing

Example drawings only, refer to plans for actual dimensions

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EQUIPMENT SPEC BOOK

06/01/2015

ITEM# 126.1 - LEVER WASTE (1 EA REQ'D)

T&S Brass B-3952

Twist Waste Valve, 3-1/2" sink opening, 2" drain outlet

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T&S BRASS AND BRONZE WORKS, INC.

2 Saddleback Cove / P.O. Box 1088
Travelers Rest, SC 29690

REG. #A2601
ISO #9001

Travelers Rest, SC: 800-476-4103 Simi Valley, CA: 800-423-0150 Fax: 864-834-3518 www.tsbrass.com

Model No.
B-3952

Item No.

This Space for Architect/Engineer Approval

Job Name_____Date_____

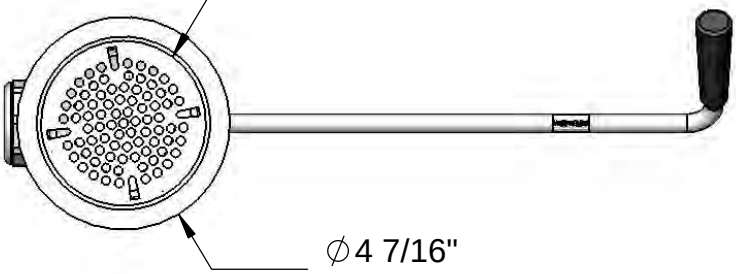
Model Specified_____ Quantity_____

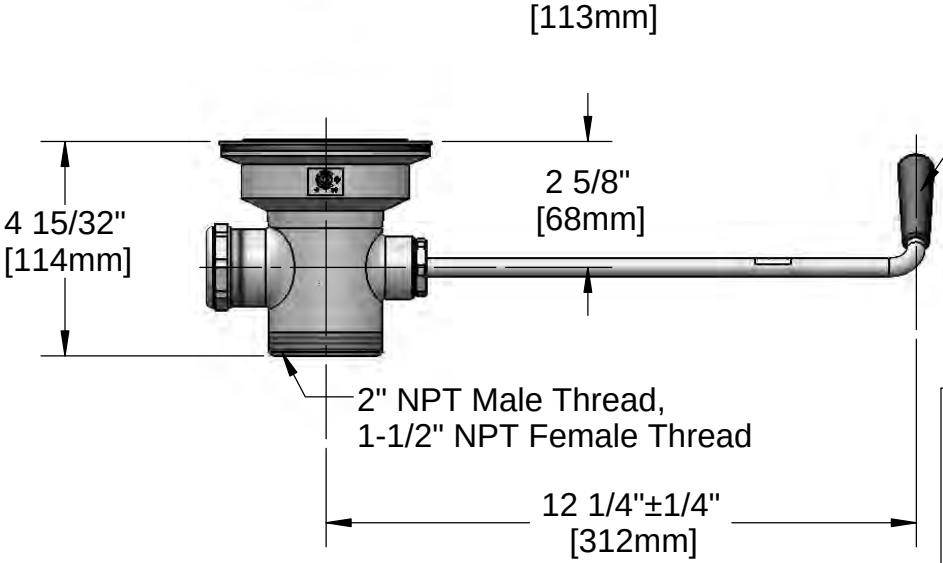
Customer/Wholesaler_____

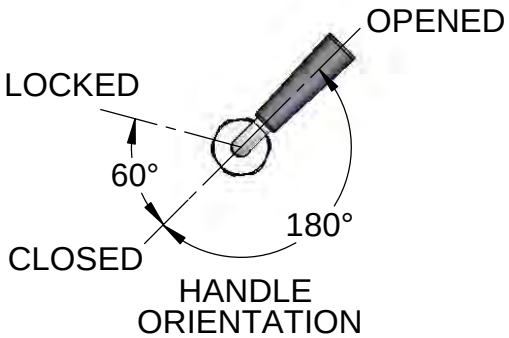
Contractor_____

Architect/Engineer_____









Product Specifications:

Rotary Waste Valve w/ Twist Handle, 3 1/2" Sink Opening, 2" NPT Male / 1-1/2" NPT Female Outlet

Drawn	Checked	Approved
DHL	JRM	JHR

Scale:

Approved as to Form CAO RISK 19707

Agreement #: Ag-5097 - Page 310 of 329

Sheet: 1 of 2

T&S BRASS AND BRONZE WORKS, INC.

2 Saddleback Cove / P.O. Box 1088
Travelers Rest, SC 29690

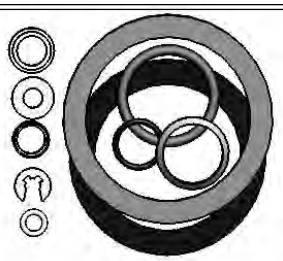
Travelers Rest, SC: 800-476-4103 • Simi Valley, CA: 800-423-0150 • Fax: 864-834-3518 • www.tsbrass.com

Model No. **B-3952**

Item No.

ITEM NO.	SALES NO.	DESCRIPTION
1	010389-45	O-Ring, Plunger
2	010390-45	Ferrule, Coupling Nut
3	010391-45	Nut, Coupling For Twist Drain
4	010382-45	Gasket, 3 1/2" Face Flange
5	010384-45	Flange, 3 1/2" Face
6	010386-45	Strainer, 3 1/2" Snap-in Removable
7	010388-45	Plunger, Lever and Twist Drain
8	010393-45	Handle Asm, Rotary Waste Valve Twist





Washers, O-Rings & Gaskets are included Parts Kit B-39-K

Also Furnished w/ Sealing Cap When Overflow Tube Coupling Nut is Not Used. PN# 012640-45

Product Specifications:
Rotary Waste Valve w/ Twist Handle, 3 1/2" Sink Opening, 2" NPT Male / 1-1/2" NPT Female Outlet

Drawn	Checked	Approved
DHL	JRM	JHB

Scale: NTS

Approved as to Form CAO RISK

Agreement #: Ag-5097 - Page 3 10/19/07

Sheet: 2 of 2

EQUIPMENT SPEC BOOK

06/01/2015

ITEM# 127 - GLASS FILLER FAUCET (2 EA REQ'D)

T&S Brass B-1225

Glass & Pitcher Filler Faucet, push back, 6" swing nozzle for pitchers, adjustable flange, volume regulator, 8" base of flange to outlet of glass filler, 14" base of flange to outlet of pitcher filler, 1/2" IPS male inlet

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T&S BRASS AND BRONZE WORKS, INC.

2 Saddleback Cove / P.O. Box 1088
Travelers Rest, SC 29690

Travelers Rest, SC: 800-476-4103 • Simi Valley, CA: 800-423-0150 • Fax: 864-834-3518 • www.tsbrass.com

Model No.
B-1225

Item No.



ADA Compliant

This Space for Architect/Engineer Approval

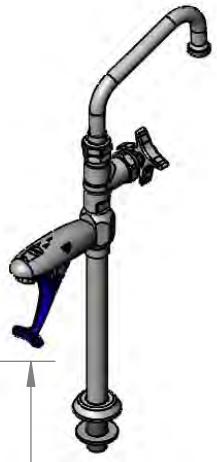
Job Name_____Date_____

Model Specified_____ Quantity_____

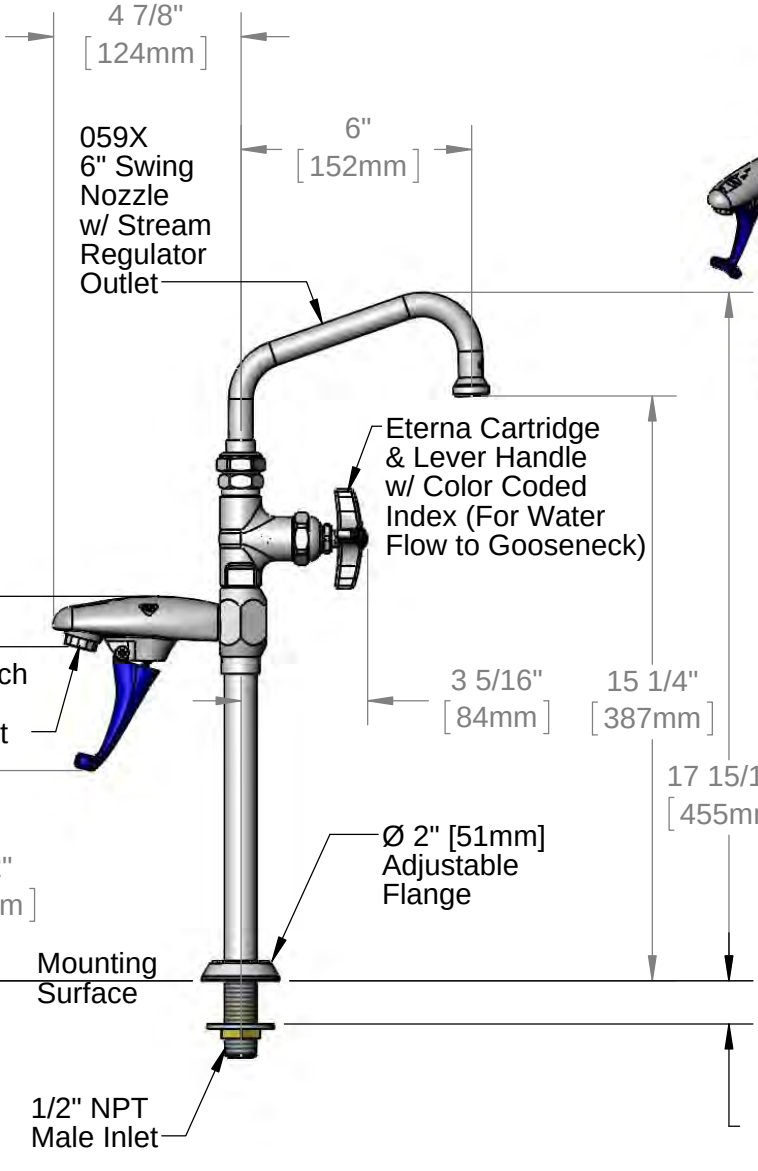
Customer/Wholesaler_____

Contractor_____

Architect/Engineer_____







Rough-In Requirement:
∅ 1" [25mm] Mounting Hole

Product Specifications:
Combination 8 11/16" Clearance Glass & Pitcher Filler, Push Back Design, 6" Swing Nozzle, Independent Operation & 1/2" NPT Male Inlet

Product Compliance:
ASME A112.18.1 / CSA B125.1
NSF 61 - Sec
NSF 372 (Lov
ANSI A117.1

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Agreement #: Ag-5097 - Page 3 1 0 3 2 9

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T&S BRASS AND BRONZE WORKS, INC.

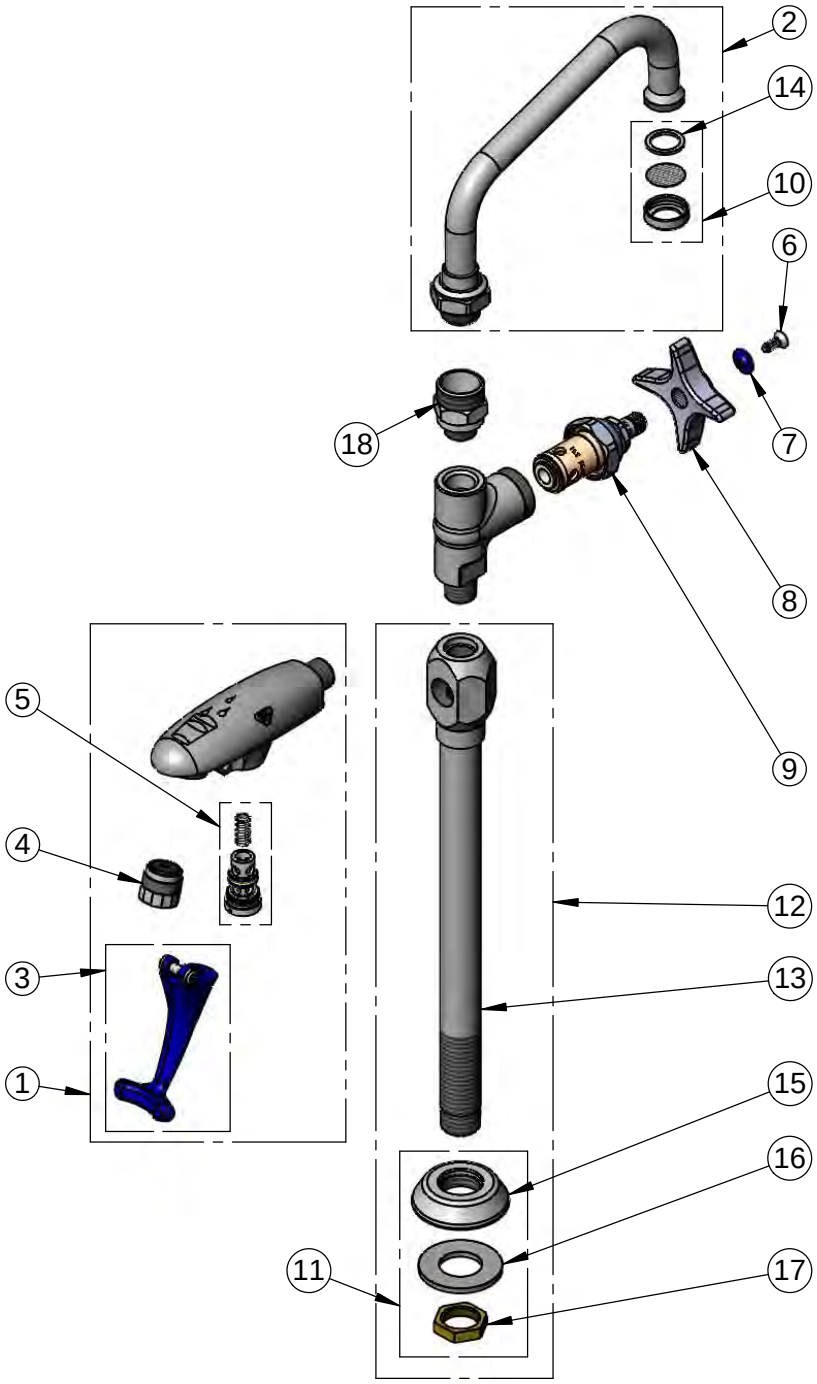
2 Saddleback Cove / P.O. Box 1088
Travelers Rest, SC 29690

Travelers Rest, SC: 800-476-4103 • Simi Valley, CA: 800-423-0150 • Fax: 864-834-3518 • www.tsbrass.com

Model No.

B-1225

Item No.



ITEM NO.	SALES NO.	DESCRIPTION
1	B-1205	Wall Mount Glass Filler, 3/8" NPT
2	059X	6" Swing Nozzle
3	015550-45	Lever Arm Repair Kit
4	015588-40	Adjustable Outlet w/ Torx Wrench
5	015589-40	Valve
6	000922-45	Lever Handle Screw
7	001660-45	Blue Index-CW
8	002521-45	4-Arm Handle
9	005960-40	Eterna Cartridge, RTC
10	B-PT	Stream Regulator Outlet
11	016783-40	Adjustable Deck Flange Repair Kit
12	009654-40	B-1225 Pedestal
13	000743-40	B-1225 Soldered Pedestal
14	001048-45	Nozzle Tip Washer
15	000024-40	Glass Filler, Deck Mount, Pedestal Flange
16	001033-45	Glass Filler Pedestal, Deck Mount, Delrin Washer
17	002954-45	Shank Lock Nut
18	B-0412	Rigid to Swivel Adapter



016640-45
T-45 Torx
Wrench

Product Specifications:

Combination 8 11/16" Clearance Glass & Pitcher Filler, Push Back Design, 6" Swing Nozzle, Independent Operation & 1/2" NPT Male Inlet

Product Compliance:

ASME A112.18.1 / CSA B125.1
NSF 61 - Sec
NSF 372 (Lov
ANSI A117.1

Approved as to Form
CAO RISK

Agreement #: Ag-5097 - Page 310 329

Drawn:	DHL	Checked:	JRM	Approved:	JHB	Date:	07/25/14	Scale:	NTS	Sheet:	2 of 2

EQUIPMENT SPEC BOOK

06/01/2015

ITEM# 127.1 - KETTLE / POT FILLER FAUCETS (2 EA REQ'D)

T&S Brass B-0102-C

Pot & Glass Filler, automatic shut-off valve, aerator at outlet, retaining ring for continuous flow of water, 5' flexible stainless steel hose, 6' overall length, 1/2" IPS male inlet

Approved as to Form CAO RISK

T&S BRASS AND BRONZE WORKS, INC.
2 SADDLEBACK COVE / P.O. BOX 1088 / TRAVELERS REST, SC 29690
(803) 834-4102 TELEX 57-0311 FAX (803) 834-3518

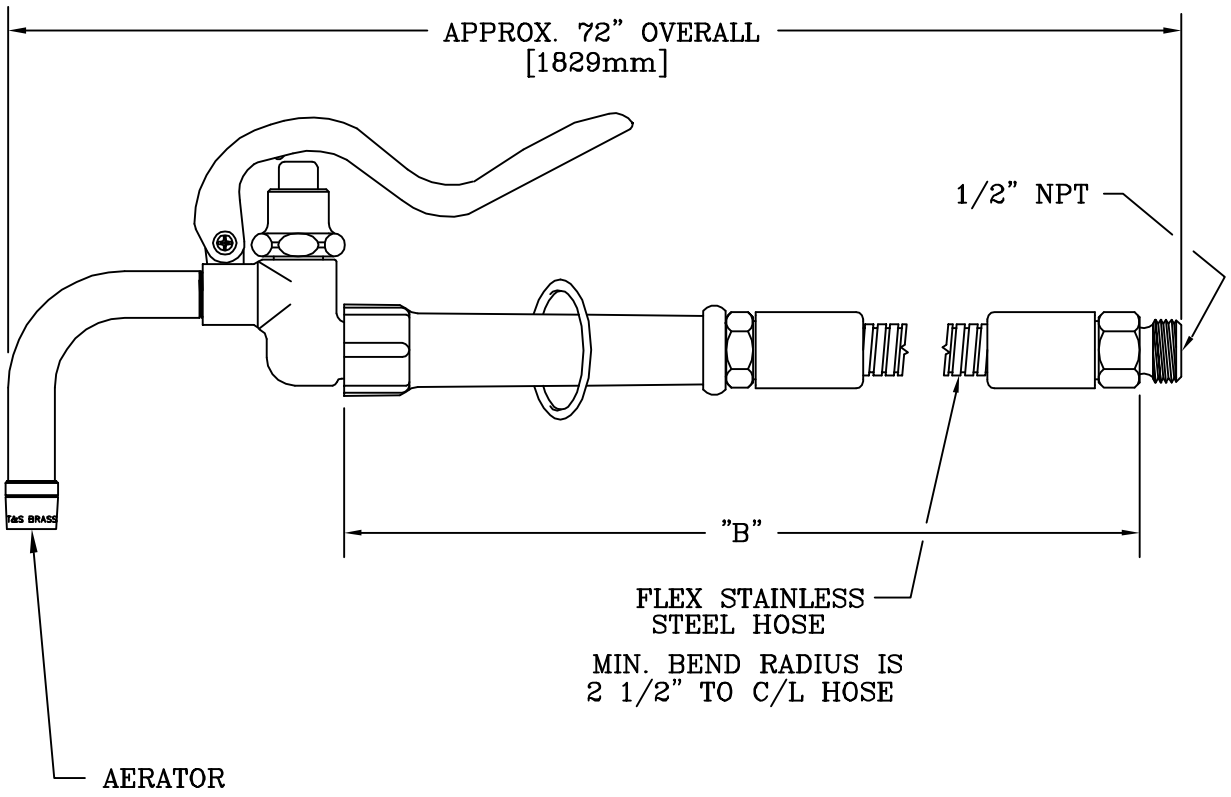
Model No.
B-0102-C
Item No.:

Job Name:

Architect/Engineer Approval:

Notes:

SEE SPEC. DWG. NO. B-0104
FOR MOUNTING ACCESSORIES



NOTE: "B" STANDARD HOSE UNIT IS 68"[1727mm]
ANY LENGTH IS AVAILABLE

FURNISHED W/ 1/2" MALE INLET NPT ADAPTER.
ALSO AVAILABLE W/ 3/8",1/2" OR 3/4" NPT MALE
OR FEMALE, AND GARDEN HOSE FEMALE ADAPTER.

Product Description:
POT & GLASS FILLER SPRAY ASM

Agreement #: Ag-5097 - Page 311

Drawn: SCM
Checked
Approved CA
Scale: 3/8"=1'
Date: 08/23/95

Approved as to Form CAO RISK

EQUIPMENT SPEC BOOK

06/01/2015

ITEM# 128 - ICE CUBER (1 EA REQ'D)

Manitowoc ID-1802A

Indigo™ Series Ice Maker, cube-style, air-cooled, self-contained condenser, up to 1840-lb approximately/24 hours, DuraTech™ exterior (stainless finish with innovative clear-coat resists fingerprints & dirt), dice size cubes

ACCESSORIES

Mfr	Qty	Model	Spec
Manitowoc	1		3 year parts & labor Commercial warranty
Manitowoc	1		5 year parts & labor Commercial warranty on evaporator
Manitowoc	1		5- year parts & 3- year labor Commercial warranty on compressor
Manitowoc	1		(-261) 208-230v/60/1ph, 23.8 amps, std.
Manitowoc	1	F-1325	Ice Bin, with top-hinged front-opening door, approximately 1325 lb ice storage capacity, sliding window & sliding ice gate, welded stainless steel construction, (4) 6" legs, ice scoop, stainless steel adapters for 30" or 48" ice machines
Manitowoc	1	K-00349	Ice Deflector for 48" Indigo ice machines on non-Manitowoc or F-Style bins
Manitowoc	1	K-603048	Bin Adapter for 30" & 48" S-Series or Indigo Cuber on F-1325 and F-1650 bins
Manitowoc	1		3 year parts & labor Commercial warranty

Approved as to Form CAO RISK

Manitowoc

INDIGO®

Indigo™ Series 1800 Ice Cube Machine

Model:
- ☐ IR-1800A
- ☐ ID-1802A
- ☐ IR-1890N
- ☐ ID-1803W
- ☐ IY-1804A
- ☐ IY-1805W
- ☐ IY-1894N
- ☐ ID-1892N



Indigo Series i-1800
Ice Machine on B-970 Bin

Designed for operators who know that ice is critical to their business, the Indigo™ Series ice machine's preventative diagnostics continually monitor itself for reliable ice production. Improvements in cleanability and programmability make your ice machine easy to own and less expensive to operate.

- **Space-Saving Design** – Up to 1,860 lbs. (845 kgs.) daily ice production and only 48" (121.92 cm) wide.
- **Intelligent Diagnostics** – provide 24 hour preventative maintenance and diagnostic feedback for trouble free operation.
- **Acoustical Ice Sensing Probe** – for reliable operation in challenging water conditions.
- **EasyRead Display** – communicates operating status, cleaning reminders, and asset information through a blue illuminated display.
- **Programmable Ice Production** – by On/Off Time, Ice Volume or Bin Level (with accessory bin level control) further improves energy efficiency and savings.
- **Easy to Clean Foodzone** – Hinged front door swings out for easy access. Removable water-trough, distribution tube, curtain, and sensing probes for fast and efficient cleaning. Select components made with AlphaSan® antimicrobial.
- **DuraTech™ Exterior** – provides superior corrosion resistance. Stainless finish with innovative clear-coat resists fingerprints and dirt.
- Available **LuminIce™ Growth Inhibitor** controls the growth of bacteria and yeast within the foodzone.



Ice Machine Electric

208-230/60/1 standard
(208-230/60/3 and 230/50/1 also available.)

Minimum circuit ampacity:

Air-cooled:	23.8 *1ph*	15.4 *3ph*
Water-cooled:	22.4 *1ph*	14.0 *3ph*
Remote-cooled:	23.4 *1ph*	15.0 *3ph*

Maximum fuse size:

Air-cooled:	40 *1ph*	25 *3ph*
Water-cooled:	40 *1ph*	25 *3ph*
Remote-cooled:	40 *1ph*	25 *3ph*

Specifications

BTU Per Hour:
30,000 (average),
and 35,000 (peak)

Refrigerant:
R-404A CFC-free

Operating Limits:
- Ambient Temperature Range:
  35˚ to 110˚F (1.7˚ to 43.3˚C)
  Water Temperature Range:
  35˚ to 90˚F (1.7˚ to 32.2˚C)
- Water Pressure Ice Maker
  Water In:
  Min. 20 psi (137.9 kPA)
  Max. 80 psi (551.1 kPA)

Ice Shape



Dice
⅞" x ⅞" x ⅞"
(2.22 x 2.22 x 2.22 cm)



Half Dice
⅜" x 1⅛" x ⅞"
(.95 x 2.86 x 2.22 cm)



Regular
1⅛" x 1⅛" x ⅞"
(2.86 x 2.86 x 2.22 cm)

CALIFORNIA LOW LEAD QUALIFIED
Conforms to NSF 61 Annex G

NSF c UL US LISTED CE

AutoQuotes

COMPANY WITH QUALITY SYSTEM

2110 South 26th Street
PO Box 1720
Manitowoc, WI 54221-1720 USA

Tel: 1.920.682.0161
Fax: 1.920.683.7589

www.manitowocice.com

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CAO RISK

Manitowoc

Indigo™ Series 1800 Ice Cube Machine

i-1800 on B-970 Storage Bin

Ⓐ Electrical Entrance (2) Options
Ⓑ 1/2" (1.27 cm) F.P.T. Water Condenser Outlet (water-cooled units)
Ⓒ 3/8" (0.95 cm) F.P.T. Water Condenser Inlet (water-cooled units)
Ⓓ 3/8" (0.95 cm) F.P.T. Ice Making Water Inlet
Ⓔ 1/2" (1.27 cm) F.P.T. Ice Making Water Drain
Ⓕ 1/2" (1.27 cm) Auxillary Base Drain Socket
Ⓖ 3/4" (1.91 cm) Bin Drain
Air flow for air-cooled models

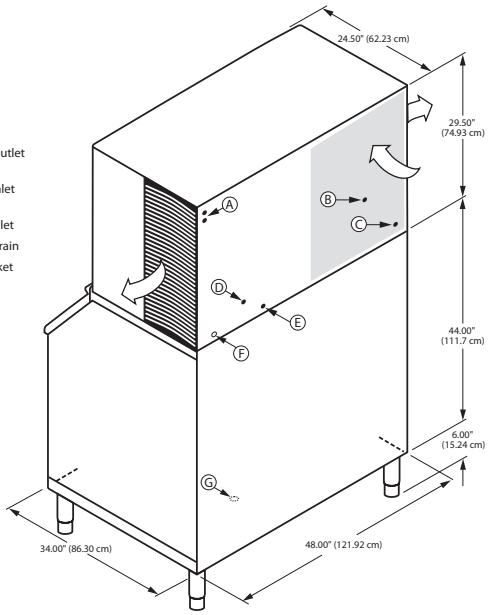
Installation Note

Air Cooled clearance:

Top: 24" (61.0 cm)
Sides: 24" (61.0 cm)
Back: 5" (30.5 cm)

Water Cooled clearance:

Top/Sides: 8" (20.3 cm)
Back: 5" (12.7 cm)



Space-Saving Design



	i-1800 B-970
Height	79.50" 201.90 cm
Width	48.00" 121.92 cm
Depth	34.00" 86.30 cm
Bin Storage	710 lbs. 322.2 kgs.

Height includes adjustable bin legs 6.00" to 8.00", (15.24 to 20.32 cm) set at 6.00" (15.24 cm).

Specifications

	Model	Ice Shape	Ice Production 24 Hours		Power Usage kWh/100 lbs. @90°Air/70°F	Potable Water Usage/100 lbs. 45.4 kgs. of Ice
			70°Air/ 50°F Water	90°Air/ 70°F Water	1 Ph	
AIR-COOLED	IR-1800A	regular	1,790 lbs.	1,430 lbs.	5.07	22.3 Gal.
			814 kgs	650 kgs		84.4 L
	ID-1802A	dice	1840 lbs.	1,430 lbs.	5.16	22.3 Gal.
			836 kgs	650 kgs		84.4 L
	IY-1804A	half-dice	1,860 lbs.	1,455 lbs.	5.27	22.3 Gal.
			845 kgs	661 kgs		84.4 L
WATER-COOLED	ID-1803W	dice	1,850 lbs.	1,640 lbs.	3.93	22.3 Gal.
			841 kgs	744 kgs		84.4 L
	IY-1805W	half-dice	1,790 lbs.	1,650 lbs.	3.92	22.3 Gal.
			814 kgs	750 kgs		84.4 L
	* Water-cooled Condenser Water Usage / 100 lbs. /45.4 kgs. Of Ice: 181 gal./ 685 L. * Water-cooled models are excluded from ENERGY STAR qualification.					
REMOTE-COOLED	IR-1890N	regular	1,690 lbs.	1,420 lbs.	4.99	22.3 Gal.
			768 kgs	645 kgs		84.4 L
	ID-1892N	dice	1,775 lbs.	1,495 lbs.	4.96	22.3 Gal.
			807 kgs	680 kgs		84.4 L
	IY-1894N	half-dice	1,810 lbs.	1,445 lbs.	5.06	22.3 Gal.
			823 kgs.	657 kgs		84.4 L

Order ice storage bin separately. To order 3 phase add "3" suffix to model # (ID-1202A3).

Accessories

LuminIce™ Growth Inhibitor
reduces yeast and bacteria growth for a cleaner ice machine.



Bin Level Control
Allows ice bin level to be automatically set. Built-in LED light illuminates bin.



Arctic Pure® Water Filters
Reduces sediment and chlorine odors for better tasting ice.



AuCS®
schedules and performs routine ice machine cleaning automatically.



49308 ©2014 Manitowoc 4/14 Continuing product improvement may necessitate change of specifications without notice.

2110 South 26th Street
PO Box 1720
Manitowoc, WI 54221-1720 USA

Tel: 1.920.682.0161
Fax: 1.920.683.7589
www.manitowocice.com

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CAO RISK

Manitowoc

F-Style Large Capacity Ice Storage Bins

F-Style Large Capacity Ice Storage Bins

Models

☐ F-700 ☐ F-1300 ☐ F-1325 ☐ F-1650 ☐ FC-1350



F-1300 Ice Storage Bin



FC-1350 Ice Storage Bin & Cart System

Standard Features

Manitowoc F-style large capacity ice storage bins are equipped with a sliding ice gate for increased employee safety, easier ice removal, and reduced spillage.

Choose a bin width from 30", 48" or 60", with relative ice storage capacities of 680 lbs., 1320 lbs. or up to 1660 lbs.

Sliding Ice Gate

- Controls ice flow into snout for easy removal with either scoop or shovel
- Returns easily to full down position

Quality Construction

- Stainless steel exterior
- Heavy-duty welded construction
- Non-CFC foamed-in-place insulation
- Impact-resistant sliding windows for easy bin inspection

Durable Polyethylene Lift Door

- Ball catch hinge holds bin door open when scooping ice
- Eliminates sharp corners and gaskets
- Provides outstanding durability
- Offers maximum access for fast, easy ice removal

Warranty

Bin & Accessories: 3-Year Parts & Labor

Carts: 2-Year Parts & Labor

NSF

2110 South 26th Street
PO Box 1720
Manitowoc, WI 54221-1720 USA

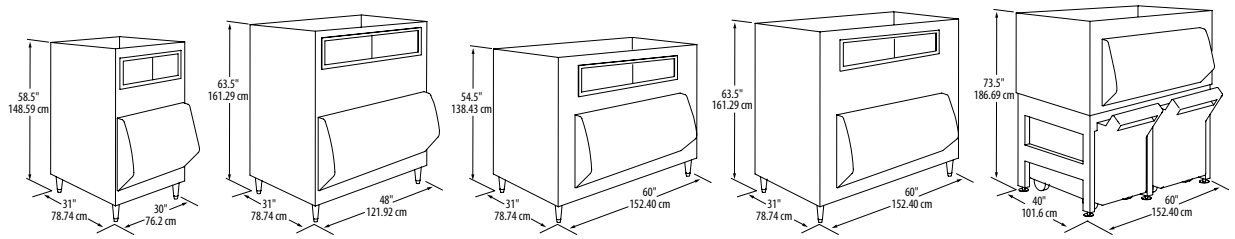
Tel: 1.920.682.0161
Fax: 1.920.683.7589

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Manitowoc

F-Style Large Capacity Ice Storage Bins

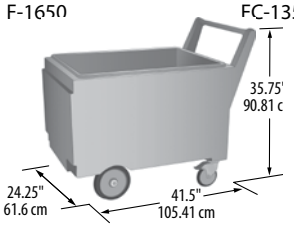


F-700 F-1300 F-1325 F-1650 FC-1350

Standard Equipment

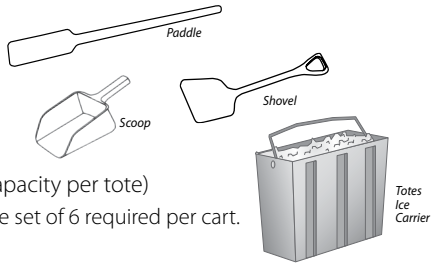
F-Series Bins Include: set of (4) 6" bin legs, ice scoop, stainless steel adapter for 30" or 48" Indigo Series Cubers (see chart)

FC-1350 Bin and Cart System Includes: bin, base, (2) 240 lb. capacity carts with lids, set of (6) flanged legs, Ice Paddle, stainless steel adapter for 30" or 48" Indigo Series Cubers (see chart)



Accessories

Model #	Description
K-00412	Paddle 46.5" (118.11 cm) length
3302593	82 oz. Scoop
K-00414	Shovel 36" (91.44 cm) Length
K-00416	Totes Ice Carrier, Set of 6 (25 lb. capacity per tote)
	Totes for use with FC-1350 cart. One set of 6 required per cart.



Storage Capacity

	Model	AHRI* Lbs. / kg	Cu. Ft.
30"	F-700	680	20.3
		308	
48"	F-1300	1320	38.0
		599	
60"	F-1325	1325	39.7
		601	
	F-1650	1660	47.7
		753	
	FC-1350	1350	39.9
		612	

**AHRI storage capacity for bins is based on 80% of total volume in cubic feet x 30 lb./ft.3 average density of ice.*

Ice Deflectors — Required

Manitowoc Cuber Model	Ice Deflector Model Number
i-450, i-500, i-606, i-906, i-1106, i-1200	K-00347
i-1400, i-1800	K-00349
i-1470C, i-1870C, i-2170C	K-00382 (for single ice machine) K-00383 (for side-by-side ice machines)
S-3070C, S-3300	K-00391

Bin Adapters

	Model	Ice Machine: Ice Makers on Bin	i-300	i-450	i-500	i-606	i-906 i-1106 i-1200	i-686C i-976C i-1176C	i-1470C i-1870C i-2170C	i-1400 i-1800	RFS-0300 RFS-0650 RFS-1278C RFS-1279R	S-3070C S-3300
Bin	F-700	1	K-303000 Single Head Adapter (Included with Bin)							N/A	K-302200	N/A
	F-1300	1	K-483048 Single Head Adapter (Included with Bin)								N/A	Adapter Not Required
	F-1325	1	K-603048 Single Head Adapter (Included with Bin)								N/A	K-604800
		2*	K-603030 Side-by-Side 30" Head Adapter							N/A	K-00421 and K-603030	N/A
	F-1650	1	K-603048 Single Head Adapter (Included with Bin)								N/A	K-604800
		2*	K-603030 Side-by-Side 30" Head Adapter							N/A	K-00421 and K-603030	N/A
	FC-1350	1	K-613048 Single Head Adapter (Included with Bin)								N/A	K-614800
		2*	K-613030 Side-by-Side 30" Head Adapter							N/A	K-00421 and K-613030	N/A

** Only for use with water-cooled and remote ice machines or machines with top air discharge option. Check ice machine clearance requirements.*

4604D ©2014 Manitowoc 8/14 Continuing product improvement may necessitate change of specifications without notice.

2110 South 26th Street
PO Box 1720
Manitowoc, WI 54221-1720 USA

Tel: 1.920.682.0161
Fax: 1.920.683.7589
www.manitowocice.com

Approved as to Form CAO RISK

EQUIPMENT SPEC BOOK

06/01/2015

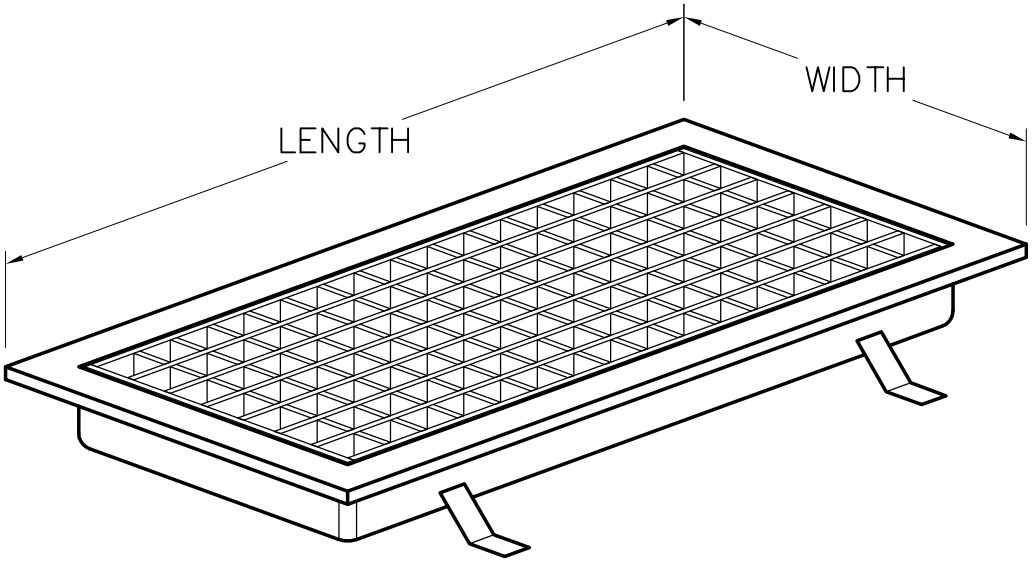
ITEM# 129 - FLOOR TROUGH W/ GRATE (1 EA REQ'D)

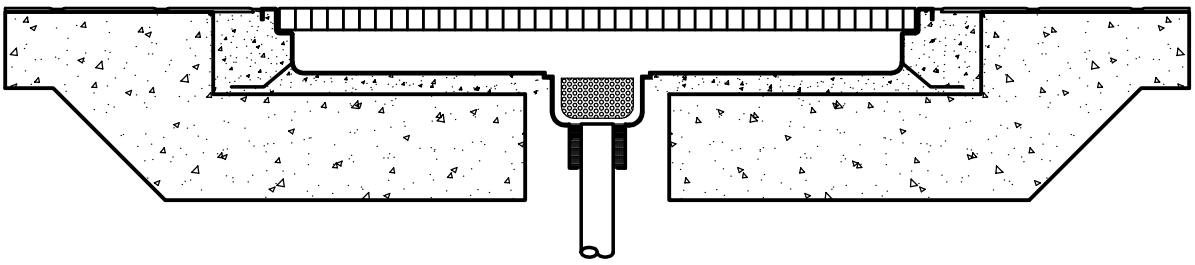
S/S Fab CSTM25.1

All Stainless Steel Floor Trough with removable strainer basket and fiberglass grill style mat, per plan

Approved as to Form CAO RISK

FLOOR TROUGH W/ GRATE





NOTES
- 14 ga. S/S floor trough
- Fiberglass grate
- Removable strainer basket

Example drawings only, refer to plans for actual dimensions

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RISK

EQUIPMENT SPEC BOOK

06/01/2015

ITEM# 130 - WATER FILTER ASSEMBLY (1 EA REQ'D)

Everpure EV932503

INSURICE 4000 Triple System, 1/2 micron precoat filtration, (3) I4000 Cartridges, with self-contained scale inhibitor feed, pressure gauge, flushing valve, high flow rate 5.0 gpm

ACCESSORIES

Mfr	Qty	Model	Spec
Everpure	1		1 year warranty for replaceable elements (filter & water treatment cartridges) and 5 year warranty (the entire system excluding replaceable elements) from date of purchase

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EV9325-03

Insurice Triple-i4000² System

Delivers premium quality water for ice applications



Insurice Triple-i4000² System: EV9325-03

i4000² Replacement Cartridge: EV9612-32

BENEFITS

Reduces ice machine problems caused by scale build-up from dirt and dissolved minerals

New and improved Micro-Pure II media inhibits the growth of bacteria

Reduces chlorine taste and odor and other offensive contaminants

Self-contained scale inhibitor feed keeps ice machines functioning at full capacity

Reduces maintenance and service costs by reducing scale and clogging of distribution lines, evaporator plate and pump

Precoat submicron technology reduces dirt and particles as small as 1/2 micron in size and reduces health contaminants such as cysts

Manifold features water shut off, flushing valve and outlet pressure gauge

Sanitary cartridge replacement is simple, quick and clean

NSF Certified under NSF/ANSI Standards 42 and 53

INSTALLATION TIPS

Choose a mounting location suitable to support the full weight of the system when operating

Never use saddle valve for connection

Use 3/4" water line

Do not connect system to water-cooled condenser

Install vertically with cartridges hanging down and allow 2-1/2" clearance below the cartridge for easy cartridge replacement

Flush cartridges by running water through system for five minutes at full flow

OPERATION TIPS

Change cartridges on a regular 6 month preventative maintenance program

Change cartridges when capacity is reached or when pressure falls below 10 psi

Service flow rate must not exceed 5.0 gpm

Always flush the filter cartridge at time of installation and cartridge change

APPLICATION/SIZING

For ice machine applications

Higher volume, higher flow and higher capacity ice machines

Rated Capacity: 36,000 gallons

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Insurice Triple-i4000² System

SPECIFICATIONS

Overall Dimensions:
29.26"H x 21"W x 5.5"D

Inlet connection: 3/4"

Outlet connection: 3/4"

Service Flow Rate:
Maximum 5.0 gpm (18.9 Lpm)

Rated Capacity: 36,000 gallons

Pressure Requirements:
10 - 125 psi (0.7 – 8.6 bar), non-shock

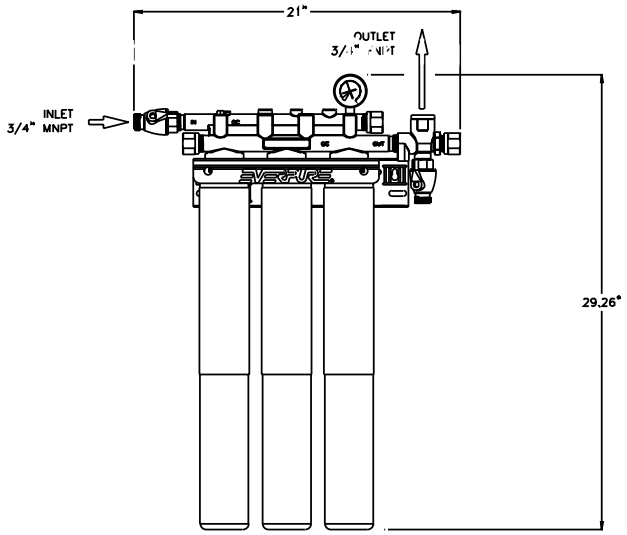
Temperature: 35 - 100°F (2 - 38°C)

No electrical connection required

Shipping Weight: 18 lbs.

Operating Weight: 28 lbs.

The contaminants or other substances removed or reduced by this drinking water system are not necessarily in your water. Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. Systems certified for cyst reduction may be used with disinfected water that may contain filterable cysts.



WARRANTY

Everpure water treatment systems (excluding replaceable elements) are covered by a limited warranty against defects in material and workmanship for a period of five years after date of purchase. Everpure replaceable elements (filter cartridges and water treatment cartridges) are covered by a limited warranty against defects in material and workmanship for a period of one year after date of purchase. See printed warranty for details. Everpure will provide a copy of the warranty upon request.

System Tested and Certified by NSF International against NSF/ANSI Standard 42 and 53 for the reduction of:

Standard No. 42: Aesthetic Effects
- Chemical Unit
  - Taste and Odor Reduction
  - Chlorine Reduction
- Mechanical Filtration Unit
  - Particulate Reduction, Class I: 99.9+% reduction of particles one-half micron and larger in size

Standard No. 53: Health Effects
- Mechanical Filtration Unit
  - Turbidity Reduction
  - Cyst Reduction
  - Asbestos Reduction

EVERPURE, LLC
1040 Muirfield Drive
Hanover Park, Illinois 60133
Toll Free (800) 323-7873
Tel (630) 307-3000
Fax (630) 307-3030
http://www.everpure.com

In Europe:
N.V. EVERPURE (EUROPE) S.A.
Industriepark Wolfstee
Toekomstlaan 30
B-2200 Herentals
Belgium
Tel 32 -14-283500
Fax 32-14-283505

In Japan:
EVERPURE JAPAN LLC
Hashimoto MN Bldg. 7F
3-25-1 Hashimoto Sagamihara-Shi
Kanagawa 229-1103
Japan
Tel 81-(0)42-775-3011
Fax 81-(0)42-775-3015

Everpure, LLC
1040 Muirfield Drive
Hanover Park, IL 60133
Ph: 630-307-3000 Fax: 630-307-3030

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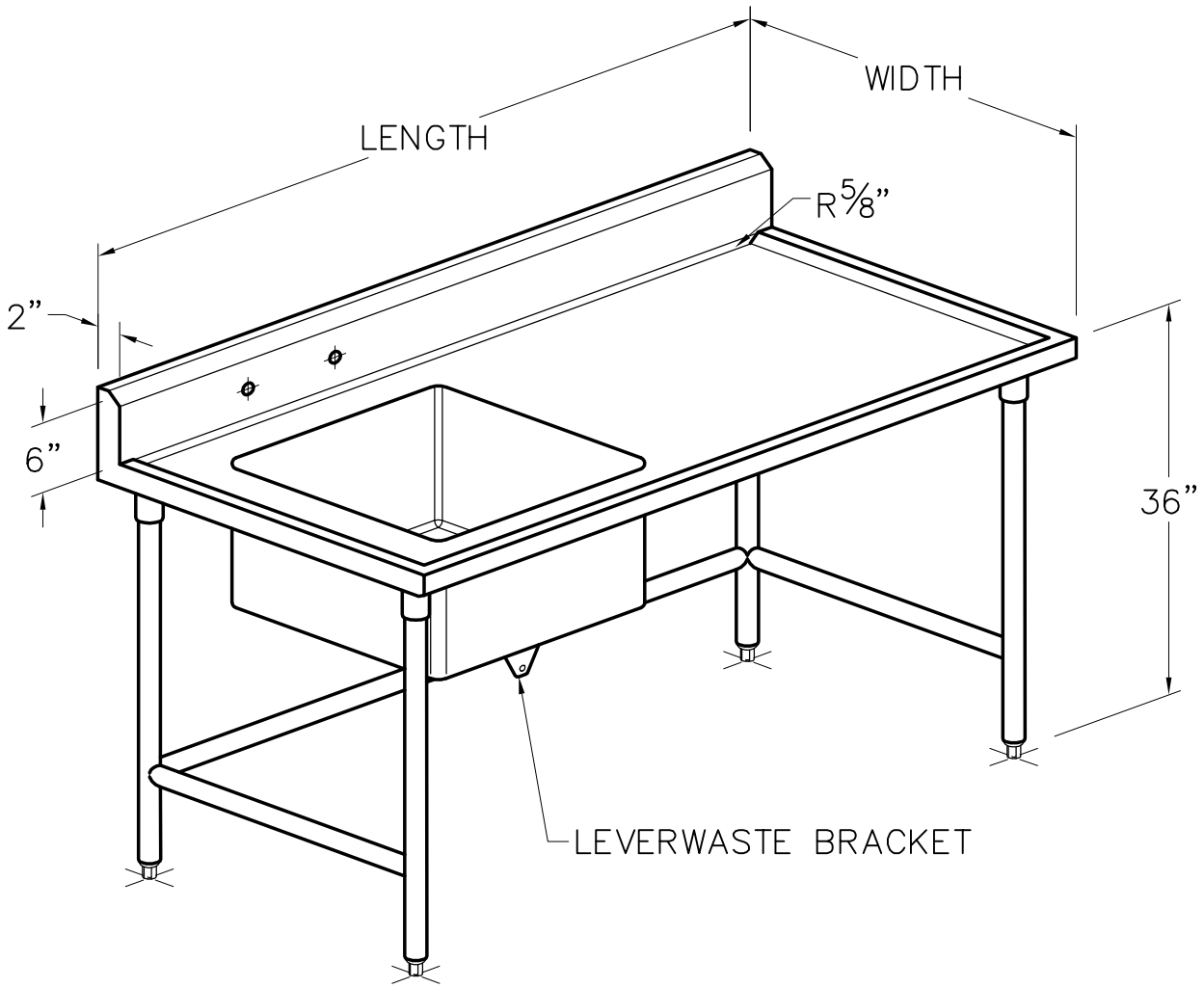
ITEM# 131 - WORK TABLE, ICE/WATER SINK, OPEN UNDER (1 EA REQ'D)

S/S Fab CSTM11

All Stainless Work Table, ICE/WATER Sink, 14 GA top, open under, crossbracing, lever waste bracket, marine style edge top, backsplash, LEFT RETURN SPLASH, APPROX 30x96, per plan

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PREP SINK
W/ CROSS-BRACING



NOTES

- 14 ga. S/S top
- 16 ga. S/S integral sink
- 1⅝"Ø S/S legs w/ adj. bullet feet
- 1¼"Ø S/S cross-bracing

Example drawings only, refer to plans for actual dimensions

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EQUIPMENT SPEC BOOK

06/01/2015

ITEM# 131.1 - LEVER WASTE (1 EA REQ'D)

T&S Brass B-3952

Twist Waste Valve, 3-1/2" sink opening, 2" drain outlet

Approved as to Form CAO RISK

T&S BRASS AND BRONZE WORKS, INC.

2 Saddleback Cove / P.O. Box 1088
Travelers Rest, SC 29690

REG. #A2601
ISO #9001

Travelers Rest, SC: 800-476-4103 Simi Valley, CA: 800-423-0150 Fax: 864-834-3518 www.tsbrass.com

Model No.
B-3952

Item No.

This Space for Architect/Engineer Approval

Job Name_____Date_____

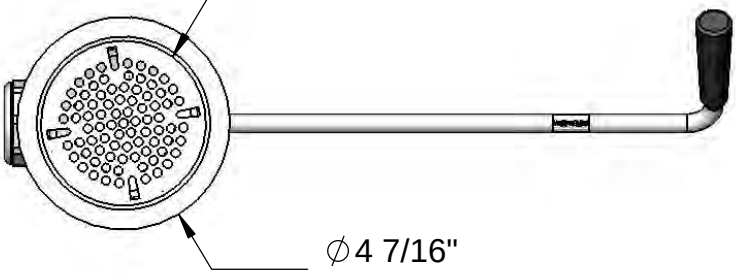
Model Specified_____ Quantity_____

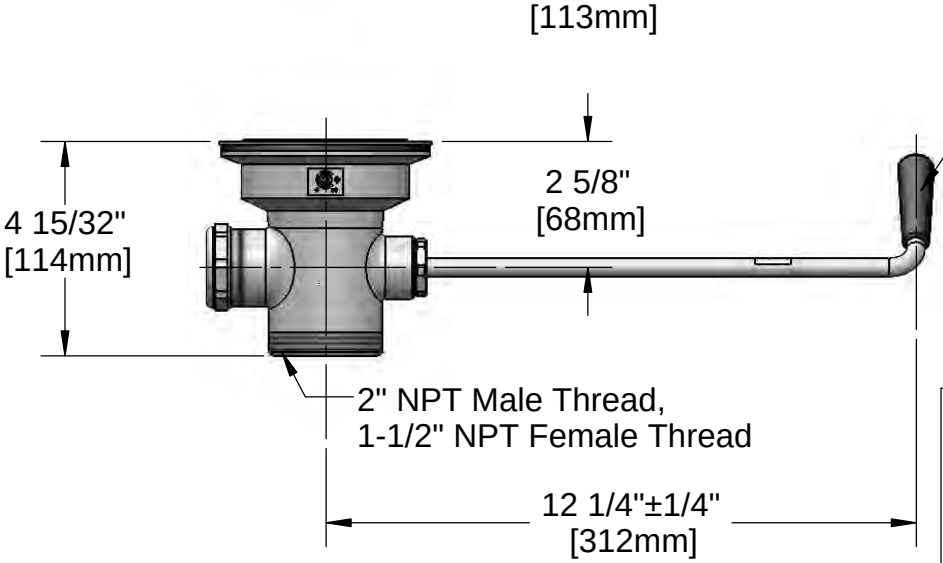
Customer/Wholesaler_____

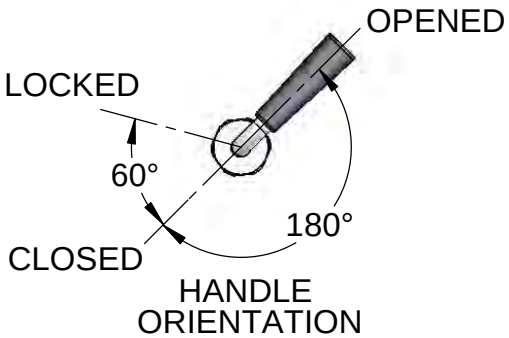
Contractor_____

Architect/Engineer_____









Product Specifications:

Rotary Waste Valve w/ Twist Handle, 3 1/2" Sink Opening, 2" NPT Male / 1-1/2" NPT Female Outlet

Drawn	Checked	Approved
DHL	JRM	JHR

Scale:

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Agreement #: Ag-5097 - Page 312 19707

Sheet: 1 of 2

T&S BRASS AND BRONZE WORKS, INC.

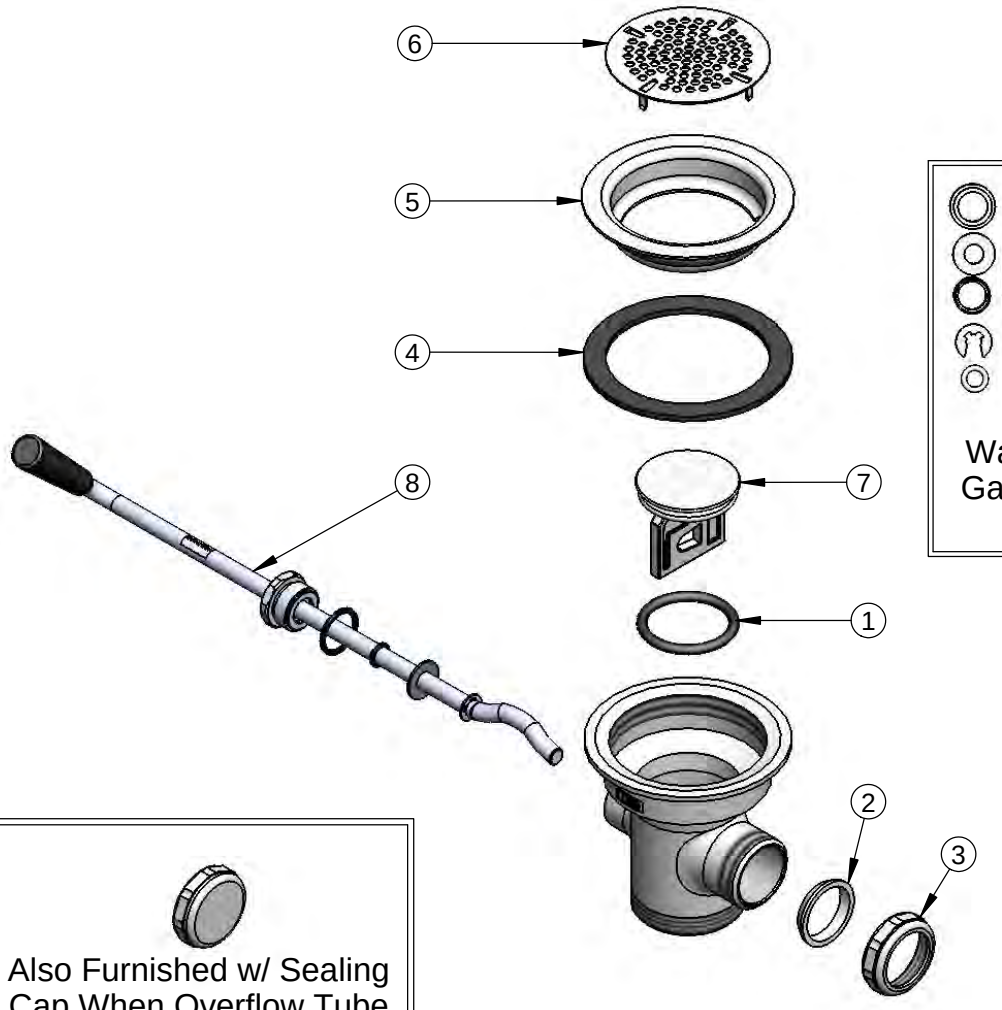
2 Saddleback Cove / P.O. Box 1088
Travelers Rest, SC 29690

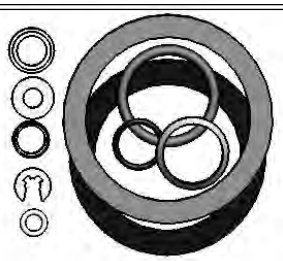
Travelers Rest, SC: 800-476-4103 • Simi Valley, CA: 800-423-0150 • Fax: 864-834-3518 • www.tsbrass.com

Model No. **B-3952**

Item No.

ITEM NO.	SALES NO.	DESCRIPTION
1	010389-45	O-Ring, Plunger
2	010390-45	Ferrule, Coupling Nut
3	010391-45	Nut, Coupling For Twist Drain
4	010382-45	Gasket, 3 1/2" Face Flange
5	010384-45	Flange, 3 1/2" Face
6	010386-45	Strainer, 3 1/2" Snap-in Removable
7	010388-45	Plunger, Lever and Twist Drain
8	010393-45	Handle Asm, Rotary Waste Valve Twist





Washers, O-Rings & Gaskets are included Parts Kit B-39-K

Also Furnished w/ Sealing Cap When Overflow Tube Coupling Nut is Not Used. PN# 012640-45

Product Specifications:
Rotary Waste Valve w/ Twist Handle, 3 1/2" Sink Opening, 2" NPT Male / 1-1/2" NPT Female Outlet

Drawn	Checked	Approved
DHL	JRM	JHB

Scale: NTS

Approved as to Form CAO RISK

Agreement #: Ag-5097 - Page 3 12/19/07

Sheet: 2 of 2

EQUIPMENT SPEC BOOK

06/01/2015

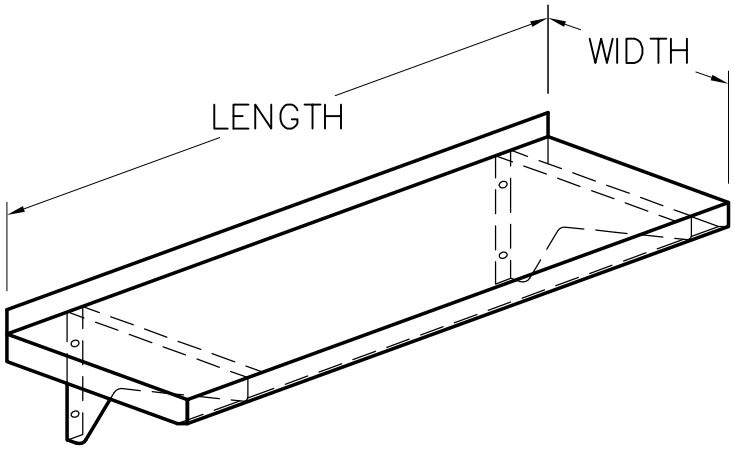
ITEM# 132 - SHELF, SINGLE WALL MOUNT (2 EA REQ'D)

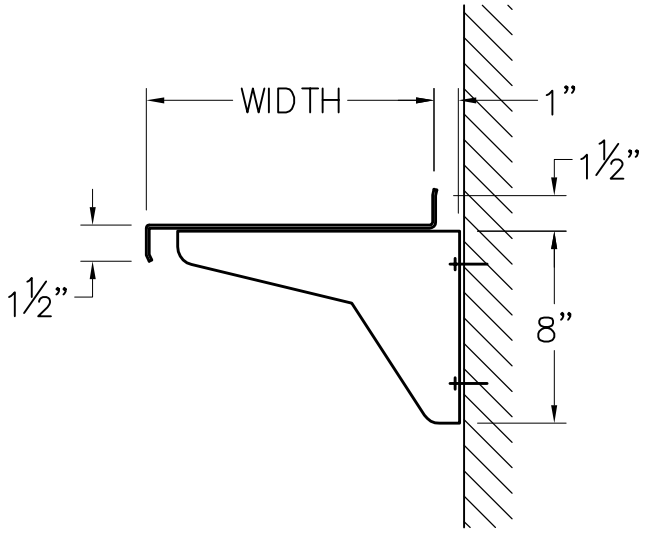
S/S Fab CSTM01

All Stainless Single Wall Shelf, brackets, APPROX 12x72, per plan

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WALL MOUNT SHELF





NOTES

16 ga. S/S shelf and brackets

Example drawings only, refer to plans for actual dimensions

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EQUIPMENT SPEC BOOK

06/01/2015

ITEM# 133 - REACH-IN REFRIGERATOR (1 EA REQ'D)

Traulsen G10010

Dealer's Choice Refrigerator, Reach-in, one-section, self-contained refrigeration, microprocessor controls, stainless steel front & full height door (hinged LEFT), anodized aluminum sides & interior, (3) epoxy coated shelves (factory installed), 6" high casters, 1/5 HP, cULus, NSF, ENERGY STAR®

ACCESSORIES

Mfr	Qty	Model	Spec
Traulsen	1		115v/60/1ph, 5.8 amps, NEMA 5-15P, standard
Traulsen	1		3 year service/labor & 5 year compressor warranty, standard
Traulsen	1	G1ACC-TK1	Set of 8 pairs #1 type tray slides, for all single section G-series models (with pilasters)
Traulsen	1	CK3	Casters, 4-5/8" high, set of 4

Approved as to Form CAO RISK

Project	Quantity	Item #
Model Specified:		CSI Section 11400

G-Series Reach-In Refrigerators/ Self-Contained



Equipped with an easy to use microprocessor control!



Model G10010



Model G20010



Model G30010

One, Two & Three Section Models, 32" Deep

G SERIES

Stainless Steel Front & Door(s)

Aside from their anodized aluminum side and interior finishes, Traulsen's G-Series "Dealer's Choice" models meet or exceed the standard specifications and performance of most other brands top tier product offerings. Reliable, energy efficient, and durable, with large individual storage capacities, the high quality G-Series line-up includes a wide range of one, two and three section reach-in refrigerator and freezer models, built in our most popular footprints. They are available with either full or half height doors, and the added convenience of a variety of different door hingings to choose from. In addition, each also includes a number of user-friendly features, making them one of the best overall equipment values in Foodservice today, and the right fit for nearly any commercial application.

AVAILABLE MODELS

Single Section			Two Section			Three Section		
Model #	Door	Hinging	Model #	Door	Hinging	Model #	Door	Hinging
G10000	Half	Right	G20000	Half	Left-Right	G30000	Half	Left-Right-Right
G10001	Half	Left	G20001	Half	Right-Left	G30001	Half	Left-Left-Right
G10010	Full	Right	G20002	Half	Right-Right	G30002	Half	Right-Right-Right
G10011	Full	Left	G20003	Half	Left-Left	G30003	Half	Left-Left-Left
			G20010	Full	Left-Right	G30010	Full	Left-Right-Right
			G20011	Full	Right-Left	G30011	Full	Left-Left-Right
			G20012	Full	Right-Right	G30012	Full	Right-Right-Right
			G20013	Full	Left-Left	G30013	Full	Left-Left-Left

Standard Product Features

- High Quality Stainless Steel Exterior Front and Door(s)
- Corrosion Resistant Anodized Aluminum One-Piece Sides
- Durable Anodized Aluminum Interior
- Microprocessor Control With LED Temperature Readout
- Top-Mounted, Balanced, Self-Contained Refrigeration System
- Large High Humidity Evaporator Coil Outside The Food Zone
- Load-Sure Guard Protects Against Improper Loading
- Full or Half Length Stainless Steel Doors With Locks
- Self-Closing Doors With Stay Open Feature At 120 Degrees
- Guaranteed For Life Cam-Lift Hinges
- Guaranteed For Life Horizontal Work Flow Door Handle(s)
- Automatically Activated Incandescent Lights
- Damage Resistant Stainless Steel Breaker Caps
- Three (3) Adjustable Epoxy Coated Shelves Per Section, Supported On Shelf Pins (installed at the factory)
- Energy Saving Automatic Non-Electric Condensate Evaporator
- Magnetic Snap-In EZ-Clean Door Gaskets
- Gasket-Protecting Anodized Aluminum Door Liner
- Anti-Condensate Door Perimeter Heaters
- Thermostatic Expansion Valve Metering Device Provides Quick Refrigeration Recovery Times
- Stainless Steel One-Piece Louver Assembly
- 9' Cord & Plug Attached
- Set of Four (4) 6" High Casters With Locks
- Three Year Parts And Labor Warranty
- Five Year Compressor Warranty

Optional Accessory Kits

- Additional Epoxy Coated Shelves*
- No. 1 Type Tray Slides* To Accommodate either: (1) 18" x 26" or (2) 14" x 18" Sheet Pans, Adjustable To 2" O.C.
- No. 4 Type Tray Slides* To Accommodate (1) 18" x 26" Sheet Pans (equips one full section)
- Universal Type Tray Slides* To Accommodate Either (1) 18" x 26" or (2) 14" x 18" Sheet Pans, or (2) 12" x 20" Steam Table Pans, Adjustable To 4" O.C.
- Plated Shelves* (for use in lieu of standard shelving)
- EZ-Change Interiors (#1, universals, universal heavy duty tray slides and shelves)
- 6" High Adjustable Legs (for use in lieu of standard casters)

*Please refer to spec sheet TR35872 for optional accessory kit details.

All optional accessory kits are shipped separately for later installation by others at the jobsite.

ENERGY STAR

★ ***All models are ENERGY STAR®*** listed. P***lease refer to www.energystar.gov to view the most up-to-date product listing and performance data.***

c UL us LISTED

NSF

Listed by Underwriters Laboratories Inc., to U.S. and Canadian safety standards and Listed by NSF International.

3-YEAR PARTS & LABOR WARRANTY

Approval: _____

Traulsen
TRAULSEN
4401 BLUE MOUND RD.
PHONE 1 (800) 825-8220
Website: www.traulsen.com
FT. WORTH, TX 76106
FAX-MKTG. 1 (817) 624-4

Approved as to Form CAO RISK

Project	Quantity	Item #
Model Specified:		CSI Section 11400

Specifications

Construction, Hardware and Insulation

Cabinet exterior front, louver assembly and doors are constructed of 20 gauge stainless steel. Cabinet sides (including returns), interior and door liners are constructed of anodized aluminum. The exterior cabinet top, back and bottom are constructed of heavy gauge aluminized steel. A set of four (4) 6" high casters are included.

Doors are equipped with a gasket protecting metal door pan, removable plug cylinder locks and guaranteed for life cam-lift, gravity action, self-closing metal, glide hinges with stay open feature at 120 degrees. Hinges include a concealed switch to automatically activate the interior incandescent lighting. Guaranteed for life, work flow door handles are mounted horizontally over recess in door which limits protrusion from door face into aisleways.

Gasket profile and Santoprene® material simplify cleaning and increase overall gasket life. Anti condensate heaters are located behind each door opening.

Both the cabinet and door(s) are insulated with an average of 2" thick high density, non-CFC, foamed in place polyurethane.

DIMENSIONAL DATA	1-Section Models	2-Section Models	3-Section Models
Net capacity cu. ft.	24.2 (686 cu l)	46.0 (1303 cu l)	69.1 (1958 cu l)
Length - overall in.	29⅞ (75.9 cm)	52⅛ (132.4 cm)	76⁵⁄₁₆ (193.8 cm)
Depth - overall in.	35 (88.8 cm)	35 (88.8 cm)	35 (88.8 cm)
Depth - over body in.	32 (81.3 cm)	32 (81.3 cm)	32 (81.3 cm)
Depth - door open 90° in.	57⅝ (146.3 cm)	57⅝ (146.3 cm)	57⅝ (146.3 cm)
Clear door width in.	21⅛ (53.6 cm)	21⅛ (53.6 cm)	21⅛ (53.6 cm)
Clear half-door height in.	27½ (69.9 cm)	27½ (69.9 cm)	27½ (69.9 cm)
Clear full-door height in.	57⅝ (146.3 cm)	57⅝ (146.3 cm)	57⅝ (146.3 cm)
Height-overall on 6" casters[3]	83¼ (211.5 cm)	83¼ (211.5 cm)	83¼ (211.5 cm)
No. Standard Shelves	3	6	9
Shelf area sq. ft.[1]	18.8 (1.75 sq m)	34.6 (3.21 sq m)	51.9 (4.82 sq m)
ELECTRICAL DATA			
Voltage	115/60/1	115/60/1	115/60/1
Feed wires with Ground	3	3	3
Full load amperes	5.8	7.4	8.4
REFRIGERATION DATA			
Refrigerant	R-134a	R-134a	R-134a
BTU/HR H.P.[2]	1520 (⅓ HP)	2240 (½ HP)	4610 (⅝ HP)
SHIPPING DATA			
Length - crated in.	35 (89 cm)	63 (160 cm)	91 (231 cm)
Depth - crated in.	43 (109 cm)	43 (109 cm)	43 (109 cm)
Height - crated in.	83½ (212 cm)	83½ (212 cm)	83½ (212 cm)
Volume - crated cu. ft.	71 (2011 cu l)	131 (3711 cu l)	189 (5354 cu l)
Net Wt. lbs.	305 (138 kg)	450 (204 kg)	610 (277 kg)
Gross Wt. lbs.	395 (179 kg)	590 (268 kg)	790 (358 kg)

NOTES

NOTE: Figures in parentheses reflect metric equivalents.

1= Figure shown reflects the area of standard shelf compliment plus the additional storage area available on the cabinet bottom.

2= Based on a 90 degree F ambient and 20 degree F evaporator. For remote data please refer to spec sheet TR35837.

3= 12" Top clearance preferred for optimum performance and service access.

Refrigeration System

A top mounted, self-contained, balanced refrigeration system using R-134a refrigerant is conveniently located behind the one piece louver assembly. It features an easy to clean front facing condenser, thermostatic expansion valve, air-cooled hermetic compressor, large, high humidity evaporator coil located outside the food zone and a top mounted non-electric condensate evaporator. A 9' cord and plug is provided. Standard operating temperature is 34 to 38°F.

Controller

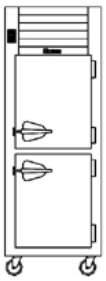
The easy to use water resistant microprocessor control system is supplied standard. It includes a 3-Digit LED Display, and a Fahrenheit or Celsius Temperature Scale Display Capability.

Interior

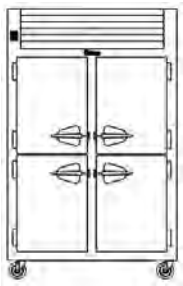
Standard interior arrangements include three (3) epoxy coated wire shelves per section, mounted on shelf pins, installed at the factory. Shelves are full-width, and do not have any large gaps between them requiring the use of "bridge" or "junior shelves." Recommended load limit per shelf should not exceed 225 lbs.

Warranties

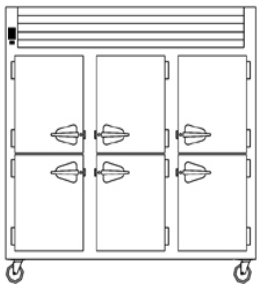
Both a three year parts and labor warranty and a five year compressor warranty (self-contained models only) are provided standard.



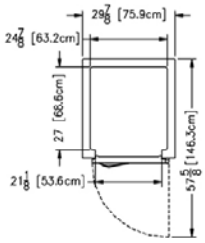
Elevation
One-Section



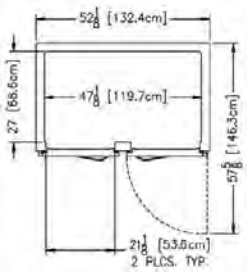
Elevation
Two-Section



Elevation
Three-Section



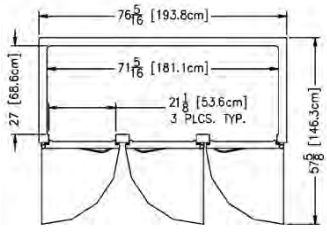
Plan - One-Section



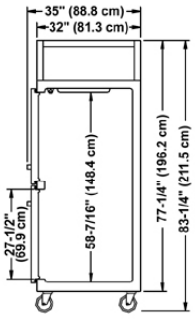
Plan - Two-Section



Equipped With One NEMA 5-15 P Plug



Plan - Three-Section



Section - All Models

NOTE: When ordering please specify: Voltage, Hinging, Door Size, Options and any additional warranties.

Continued product development may necessitate specification changes without notice.

Part No. TR35787 (revised 7/13)

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G-Series Accessory Kits

All G-Series accessory kits are pre-packaged for easy installation at the job site.

Tray Slides

	Spacing			
#1 Tray Slides - Standard 16 ga. Stainless Steel Angle Type For Bottom Support Of: (1) 18 x 26" Pan or (2) 14 x 18" Pans	2"	3"	4"	5"
Behind full height door-all models	28	19	14	11
Behind upper half height door-all models	13	9	7	5
Behind lower half height door-all models	13	9	7	5

#1 Tray Slides - EZ-Change Interior	2"	4"
Behind full height door-all models	26	13
Behind half height door-all models	12	6

#1 Tray Slides Standard

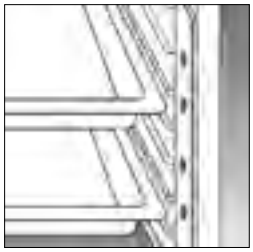


#1 Tray Slides EZ-Change



#4 Tray Slides - Standard Plated Steel Rod Type Of Rim Support Of: (1) 18 x 26" Pan (one pair #4 Tray Slides Accommodates one half section)	1 1/2"
Behind full height door-all models	38
Behind upper half height door-all models	18
Behind lower half height door-all models	18

#4 Tray Slides Standard

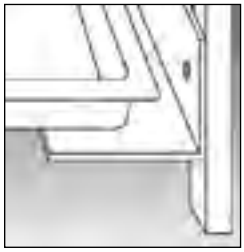


Universal Tray Slides - Standard* 16 ga. Stainless Steel Angle Type For Bottom Support Of: (1) 18 x 26" Pan or (2) 14 x 18" Pans or (2) 12 x 20" Pans (heated cabinets decrease quantity by 1, not available for two section models)	4"	5"	6"
Behind full height door-all models	14	11	9
Behind upper half height door-all models	6	5	4
Behind lower half height door-all models	7	5	4

Universal Tray Slides - EZ-Change Interior*	2 1/4"	4 1/2"
Behind full height door-all models	22	11
Behind half height door-all models	11	5

Heavy-Duty Universal Tray Slides - EZ-Change Interior*	4 1/2"	9"
Behind full height door-all models	11	5
Behind half height door-all models	5	2

Universal Tray Slides Standard



Universal Tray Slides EZ-Change



Heavy-Duty Universal Tray Slides EZ-Change



Shelves

Capacity	Std.	Max.
Behind full height door mounted on standard shelf pins	3	9
Behind half height doors mounted on standard shelf pins	3	8
Behind full height door mounted on optional pilasters	3	13 (4" spacing)
Behind half height doors mounted on optional pilasters	3	12 (4" spacing)

NOTES:
1. The above quantities reflect those possible with G-Series units built after December 2006. For maximum tray slide and shelf quantities possible for models built prior to that date please contact the factory.
2. The above quantities represent the maximum amount of tray slides recommended by Traulsen to achieve best air circulation and refrigeration performance.
3. Optional tray slides are not available for Compact Undercounter, Compact Prep Tables and Spacesaver models
4. EZ-Change Interior Universal Tray Slides max weight 75 lbs. EZ-Change Heavy Duty Universal Tray Slides max weight 125 lbs.*
5. Universal Tray Slides are not available for two section heated cabinets.*

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G-Series Accessory Kits

NOTE: Each kit includes all necessary mounting hardware except where noted. All G-Series accessory kits are pre-packaged for easy installation at the job site.

One Section Models



G1ACC-TK1
8 Pairs #1 Tray Slides

G1ACC-TK2
2 Pairs #4 Tray Slides

G1ACC-TK4
7 Pairs Universal Tray Slides

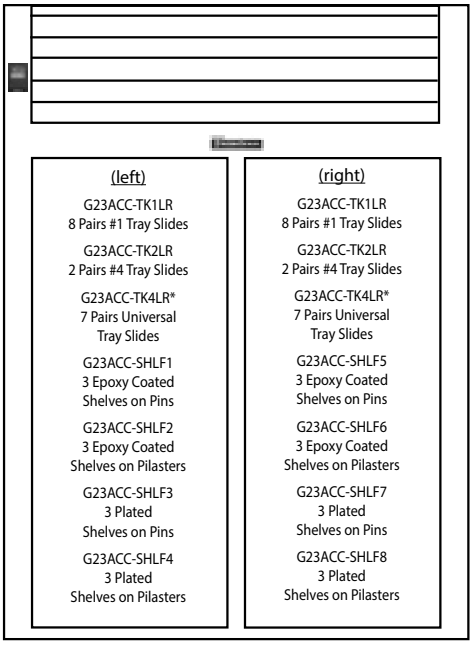
G1ACC-SHLF1
3 Epoxy Coated Shelves on Pins

G1ACC-SHLF2
3 Epoxy Coated Shelves on Pilasters

G1ACC-SHLF3
3 Plated Shelves on Pins

G1ACC-SHLF4
3 Plated Shelves on Pilasters

Two Section Models



(left)

G23ACC-TK1LR
8 Pairs #1 Tray Slides

G23ACC-TK2LR
2 Pairs #4 Tray Slides

G23ACC-TK4LR*
7 Pairs Universal Tray Slides

G23ACC-SHLF1
3 Epoxy Coated Shelves on Pins

G23ACC-SHLF2
3 Epoxy Coated Shelves on Pilasters

G23ACC-SHLF3
3 Plated Shelves on Pins

G23ACC-SHLF4
3 Plated Shelves on Pilasters

(right)

G23ACC-TK1LR
8 Pairs #1 Tray Slides

G23ACC-TK2LR
2 Pairs #4 Tray Slides

G23ACC-TK4LR*
7 Pairs Universal Tray Slides

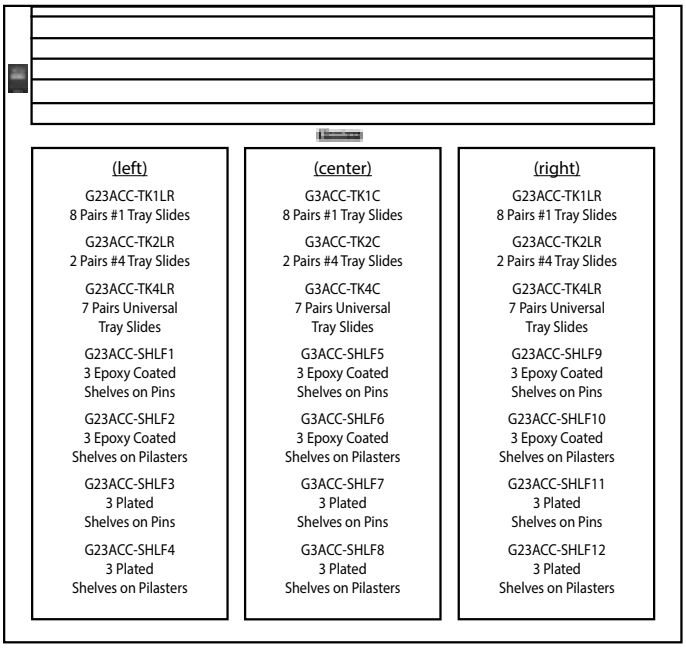
G23ACC-SHLF5
3 Epoxy Coated Shelves on Pins

G23ACC-SHLF6
3 Epoxy Coated Shelves on Pilasters

G23ACC-SHLF7
3 Plated Shelves on Pins

G23ACC-SHLF8
3 Plated Shelves on Pilasters

Three Section Models



(left)

G23ACC-TK1LR
8 Pairs #1 Tray Slides

G23ACC-TK2LR
2 Pairs #4 Tray Slides

G23ACC-TK4LR
7 Pairs Universal Tray Slides

G23ACC-SHLF1
3 Epoxy Coated Shelves on Pins

G23ACC-SHLF2
3 Epoxy Coated Shelves on Pilasters

G23ACC-SHLF3
3 Plated Shelves on Pins

G23ACC-SHLF4
3 Plated Shelves on Pilasters

(center)

G3ACC-TK1C
8 Pairs #1 Tray Slides

G3ACC-TK2C
2 Pairs #4 Tray Slides

G3ACC-TK4C
7 Pairs Universal Tray Slides

G3ACC-SHLF5
3 Epoxy Coated Shelves on Pins

G3ACC-SHLF6
3 Epoxy Coated Shelves on Pilasters

G3ACC-SHLF7
3 Plated Shelves on Pins

G3ACC-SHLF8
3 Plated Shelves on Pilasters

(right)

G23ACC-TK1LR
8 Pairs #1 Tray Slides

G23ACC-TK2LR
2 Pairs #4 Tray Slides

G23ACC-TK4LR
7 Pairs Universal Tray Slides

G23ACC-SHLF9
3 Epoxy Coated Shelves on Pins

G23ACC-SHLF10
3 Epoxy Coated Shelves on Pilasters

G23ACC-SHLF11
3 Plated Shelves on Pins

G23ACC-SHLF12
3 Plated Shelves on Pilasters

EZ-Change Kits

	One & Three Section (center only) Models
G13ACC-1EZ	4 Pairs #1 Tray Slides with Pilasters
G13ACC-UEZ	3 Pairs Universal with Pilasters
G13ACC-HDUEZ	3 Pairs Heavy Duty Universal with Pilasters
	Two & Three Section Models (left & right only)
G23ACC-1EZ	4 Pairs #1 Tray Slides with Pilasters
G23ACC-UEZ	3 Pairs Universal with Pilasters*
G23ACC-HDUEZ	3 Pairs Heavy Duty Universal with Pilasters*
	Other Accessory Kits
GSACC-1EZ	1 Pair #1 EZ Tray Slides
GSACC-UEZ	1 Pair Universal EZ Tray Slides*
GSACC-HDUEZ	1 Pair Heavy Duty Universal EZ Tray Slides*

Additional Shelves, Tray Slides & Supports

(mounting hardware not included)

	One Section Models
G1ACC-SHLF5	1 Epoxy Coated Shelf with Pins & Clips
G1ACC-SHLF6	1 Plated Shelf with Pins & Clips
	Two & Three Section Models (left & right section only)
G23ACC-SHLF9	1 Epoxy Coated Shelf with Pins & Clips for Left Section
G23ACC-SHLF10	1 Plated Shelf with Pins & Clips for Left Section
G23ACC-SHLF11	1 Epoxy Coated Shelf with Pins & Clips for Right Section
G23ACC-SHLF12	1 Plated Shelf with Pins & Clips for Right Section
	Three Section Models (center only)
G3ACC-SHLF15	1 Epoxy Coated Shelf with Pins & Clips for Center Section
G3ACC-SHLF16	1 Plated Shelf with Pins & Clips for CenterSection
	Other Accessory Kits
GSACC-#1TS	1 Pair #1 Type Tray Slides
GSACC-#4TS	1 Pair #4 Type Tray Slides
GSACC-UVTS	1 Pair Universal Type Tray Slides
GSACC-PLSTS	Mounting Hardware for Shelves on Pilasters & Clips**
GSACC-LEGS	Set of Four 6" High Legs
GSACC-CK3	Set of Four 4-5/8" High Casters

NOTES:
1. Includes the mounting hardware only to allow the use of the existing shelving to replace the standard shelf pin arrangement of any model/section G-Series unit to have pilasters and clips instead.**
2. Universal tray slides are excluded from two section heated cabinets.*

Continued product development may necessitate specification changes without notice. Part No. TR35872 (REV. 08-25-14)

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PHONE 1 (800) 825-8220
Website: www.traulsen.com

FT. WORTH, TX 76106
FAX-MKTG. 1 (817) 624-4302

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G-Series Accessory Kits

All G-Series accessory kits are pre-packaged for easy installation at the job site.

Tray Slides

#1 Tray Slides - Standard 16 ga. Stainless Steel Angle Type For Bottom Support Of: (1) 18 x 26" Pan or (2) 14 x 18" Pans	Spacing 2"	3"	4"	5"
Behind full height door-all models	28	19	14	11
Behind upper half height door-all models	13	9	7	5
Behind lower half height door-all models	13	9	7	5

#1 Tray Slides - EZ-Change Interior	2"	4"
Behind full height door-all models	26	13
Behind half height door-all models	12	6

#1 Tray Slides Standard

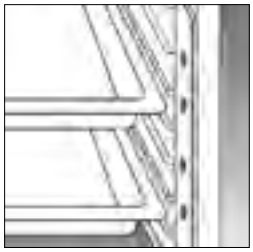


#1 Tray Slides EZ-Change



#4 Tray Slides - Standard Plated Steel Rod Type Of Rim Support Of: (1) 18 x 26" Pan (one pair #4 Tray Slides Accommodates one half section)	1 1/2"
Behind full height door-all models	38
Behind upper half height door-all models	18
Behind lower half height door-all models	18

#4 Tray Slides Standard

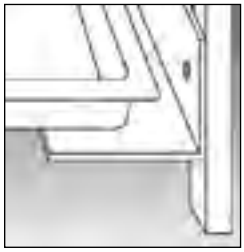


Universal Tray Slides - Standard* 16 ga. Stainless Steel Angle Type For Bottom Support Of: (1) 18 x 26" Pan or (2) 14 x 18" Pans or (2) 12 x 20" Pans (heated cabinets decrease quantity by 1, not available for two section models)	4"	5"	6"
Behind full height door-all models	14	11	9
Behind upper half height door-all models	6	5	4
Behind lower half height door-all models	7	5	4

Universal Tray Slides - EZ-Change Interior*	2 1/4"	4 1/2"
Behind full height door-all models	22	11
Behind half height door-all models	11	5

Heavy-Duty Universal Tray Slides - EZ-Change Interior*	4 1/2"	9"
Behind full height door-all models	11	5
Behind half height door-all models	5	2

Universal Tray Slides Standard



Universal Tray Slides EZ-Change



Heavy-Duty Universal Tray Slides EZ-Change



Shelves

Capacity	Std.	Max.
Behind full height door mounted on standard shelf pins	3	9
Behind half height doors mounted on standard shelf pins	3	8
Behind full height door mounted on optional pilasters	3	13 (4" spacing)
Behind half height doors mounted on optional pilasters	3	12 (4" spacing)

NOTES:
1. The above quantities reflect those possible with G-Series units built after December 2006. For maximum tray slide and shelf quantities possible for models built prior to that date please contact the factory.
2. The above quantities represent the maximum amount of tray slides recommended by Traulsen to achieve best air circulation and refrigeration performance.
3. Optional tray slides are not available for Compact Undercounter, Compact Prep Tables and Spacesaver models
4. EZ-Change Interior Universal Tray Slides max weight 75 lbs. EZ-Change Heavy Duty Universal Tray Slides max weight 125 lbs.*
5. Universal Tray Slides are not available for two section heated cabinets.*

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G-Series Accessory Kits

NOTE: Each kit includes all necessary mounting hardware except where noted. All G-Series accessory kits are pre-packaged for easy installation at the job site.

One Section Models



G1ACC-TK1
8 Pairs #1 Tray Slides

G1ACC-TK2
2 Pairs #4 Tray Slides

G1ACC-TK4
7 Pairs Universal Tray Slides

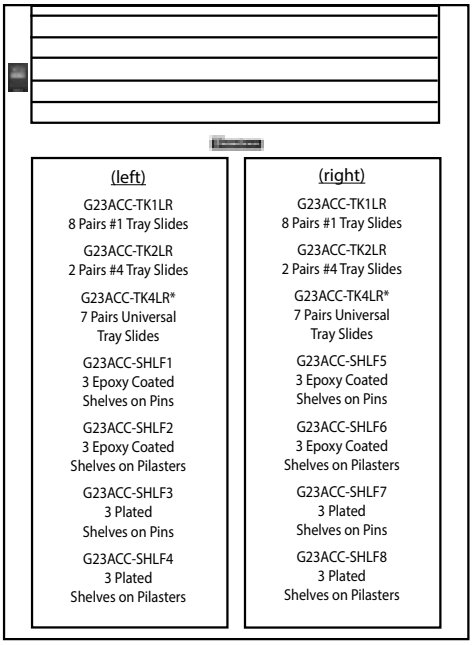
G1ACC-SHLF1
3 Epoxy Coated Shelves on Pins

G1ACC-SHLF2
3 Epoxy Coated Shelves on Pilasters

G1ACC-SHLF3
3 Plated Shelves on Pins

G1ACC-SHLF4
3 Plated Shelves on Pilasters

Two Section Models



(left)

G23ACC-TK1LR
8 Pairs #1 Tray Slides

G23ACC-TK2LR
2 Pairs #4 Tray Slides

G23ACC-TK4LR*
7 Pairs Universal Tray Slides

G23ACC-SHLF1
3 Epoxy Coated Shelves on Pins

G23ACC-SHLF2
3 Epoxy Coated Shelves on Pilasters

G23ACC-SHLF3
3 Plated Shelves on Pins

G23ACC-SHLF4
3 Plated Shelves on Pilasters

(right)

G23ACC-TK1LR
8 Pairs #1 Tray Slides

G23ACC-TK2LR
2 Pairs #4 Tray Slides

G23ACC-TK4LR*
7 Pairs Universal Tray Slides

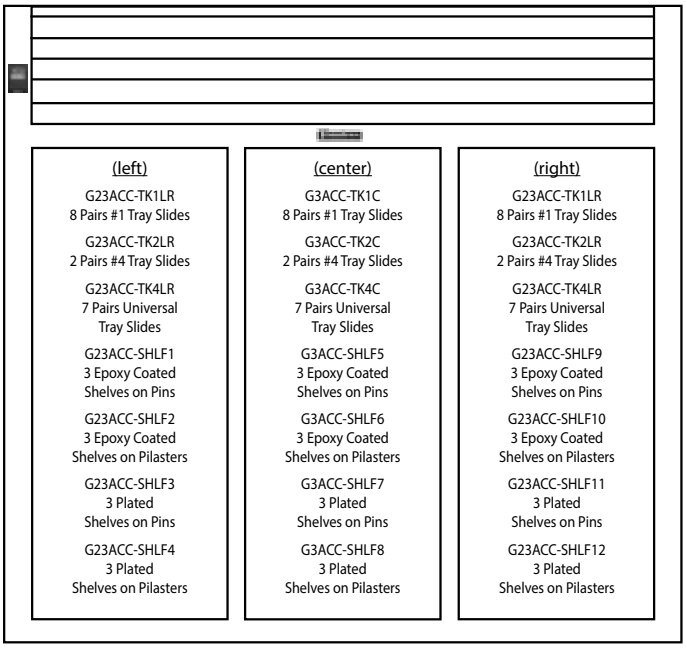
G23ACC-SHLF5
3 Epoxy Coated Shelves on Pins

G23ACC-SHLF6
3 Epoxy Coated Shelves on Pilasters

G23ACC-SHLF7
3 Plated Shelves on Pins

G23ACC-SHLF8
3 Plated Shelves on Pilasters

Three Section Models



(left)

G23ACC-TK1LR
8 Pairs #1 Tray Slides

G23ACC-TK2LR
2 Pairs #4 Tray Slides

G23ACC-TK4LR
7 Pairs Universal Tray Slides

G23ACC-SHLF1
3 Epoxy Coated Shelves on Pins

G23ACC-SHLF2
3 Epoxy Coated Shelves on Pilasters

G23ACC-SHLF3
3 Plated Shelves on Pins

G23ACC-SHLF4
3 Plated Shelves on Pilasters

(center)

G3ACC-TK1C
8 Pairs #1 Tray Slides

G3ACC-TK2C
2 Pairs #4 Tray Slides

G3ACC-TK4C
7 Pairs Universal Tray Slides

G3ACC-SHLF5
3 Epoxy Coated Shelves on Pins

G3ACC-SHLF6
3 Epoxy Coated Shelves on Pilasters

G3ACC-SHLF7
3 Plated Shelves on Pins

G3ACC-SHLF8
3 Plated Shelves on Pilasters

(right)

G23ACC-TK1LR
8 Pairs #1 Tray Slides

G23ACC-TK2LR
2 Pairs #4 Tray Slides

G23ACC-TK4LR
7 Pairs Universal Tray Slides

G23ACC-SHLF9
3 Epoxy Coated Shelves on Pins

G23ACC-SHLF10
3 Epoxy Coated Shelves on Pilasters

G23ACC-SHLF11
3 Plated Shelves on Pins

G23ACC-SHLF12
3 Plated Shelves on Pilasters

EZ-Change Kits

	One & Three Section (center only) Models
G13ACC-1EZ	4 Pairs #1 Tray Slides with Pilasters
G13ACC-UEZ	3 Pairs Universal with Pilasters
G13ACC-HDUEZ	3 Pairs Heavy Duty Universal with Pilasters
	Two & Three Section Models (left & right only)
G23ACC-1EZ	4 Pairs #1 Tray Slides with Pilasters
G23ACC-UEZ	3 Pairs Universal with Pilasters*
G23ACC-HDUEZ	3 Pairs Heavy Duty Universal with Pilasters*
	Other Accessory Kits
GSACC-1EZ	1 Pair #1 EZ Tray Slides
GSACC-UEZ	1 Pair Universal EZ Tray Slides*
GSACC-HDUEZ	1 Pair Heavy Duty Universal EZ Tray Slides*

Additional Shelves, Tray Slides & Supports

(mounting hardware not included)

	One Section Models
G1ACC-SHLF5	1 Epoxy Coated Shelf with Pins & Clips
G1ACC-SHLF6	1 Plated Shelf with Pins & Clips
	Two & Three Section Models (left & right section only)
G23ACC-SHLF9	1 Epoxy Coated Shelf with Pins & Clips for Left Section
G23ACC-SHLF10	1 Plated Shelf with Pins & Clips for Left Section
G23ACC-SHLF11	1 Epoxy Coated Shelf with Pins & Clips for Right Section
G23ACC-SHLF12	1 Plated Shelf with Pins & Clips for Right Section
	Three Section Models (center only)
G3ACC-SHLF15	1 Epoxy Coated Shelf with Pins & Clips for Center Section
G3ACC-SHLF16	1 Plated Shelf with Pins & Clips for CenterSection
	Other Accessory Kits
GSACC-#1TS	1 Pair #1 Type Tray Slides
GSACC-#4TS	1 Pair #4 Type Tray Slides
GSACC-UVTS	1 Pair Universal Type Tray Slides
GSACC-PLSTS	Mounting Hardware for Shelves on Pilasters & Clips**
GSACC-LEGS	Set of Four 6" High Legs
GSACC-CK3	Set of Four 4-5/8" High Casters

NOTES:
1. Includes the mounting hardware only to allow the use of the existing shelving to replace the standard shelf pin arrangement of any model/section G-Series unit to have pilasters and clips instead.**
2. Universal tray slides are excluded from two section heated cabinets.*

Continued product development may necessitate specification changes without notice. Part No. TR35872 (REV. 08-25-14)

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EQUIPMENT SPEC BOOK

06/01/2015

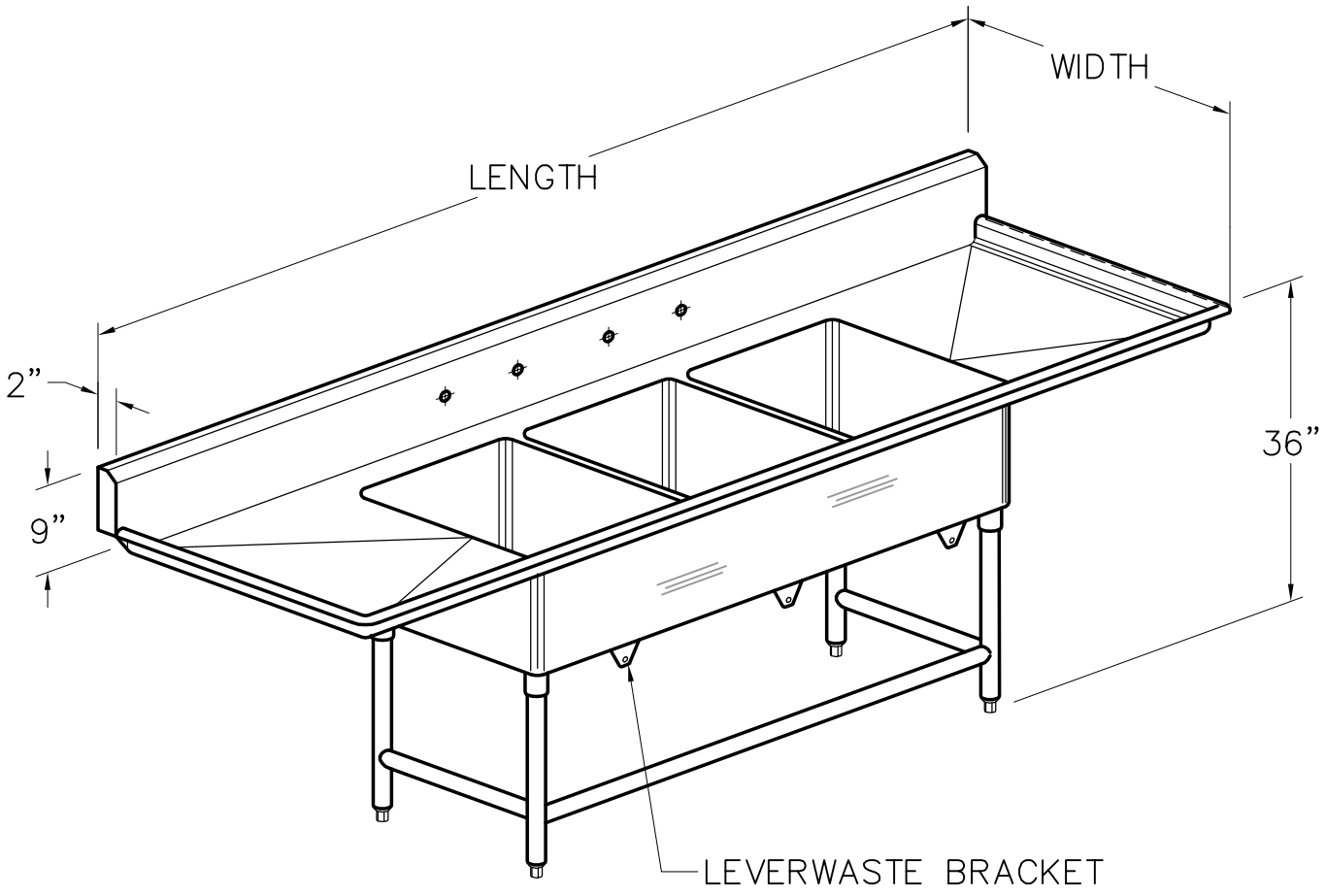
ITEM# 134 - POT WASH SINK (1 EA REQ'D)

S/S Fab CSTM16

All Stainless Pot Wash Sink, 3 tub, legs and crossbracing, 14 GA top, 10" backsplash, lever waste brackets, per plan

Approved as to Form CAO RISK

POT WASH SINK



NOTES

- 14 ga. S/S top
- 16 ga. S/S integral sinks
- 1⅝"Ø S/S legs w/ adj. bullet feet
- 1¼"Ø S/S cross-bracing

Example drawings only, refer to plans for actual dimensions

5021 Seaport Avenue, Richmond, CA 94804 - Phone: (510) 232-8687 - Fax: (510)
www.seaportstainless.com

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EQUIPMENT SPEC BOOK

06/01/2015

ITEM# 134.1 - FAUCET (2 EA REQ'D)

T&S Brass B-0231

Sink Mixing Faucet, 12" swing nozzle, wall mounted, 8" centers on sink faucet with 1/2" IPS eccentric flanged female inlets, lever handles

Approved as to Form CAO RISK

T&S BRASS AND BRONZE WORKS, INC.

2 Saddleback Cove / P.O. Box 1088
Travelers Rest, SC 29690

Travelers Rest, SC: 800-476-4103 • Simi Valley, CA: 800-423-0150 • Fax: 864-834-3518 • www.tsbrass.com

Model No.
B-0231

Item No.

ADA Compliant

This Space for Architect/Engineer Approval

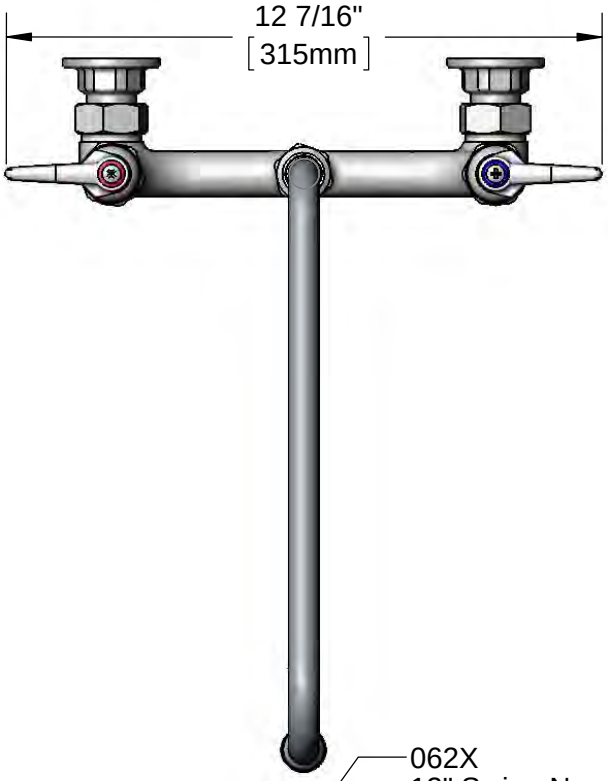
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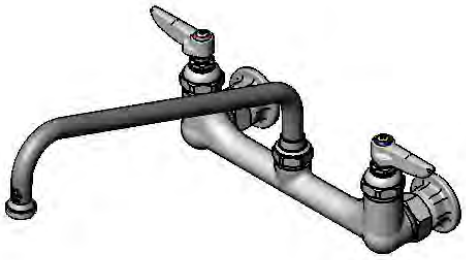
Model Specified_____ Quantity_____

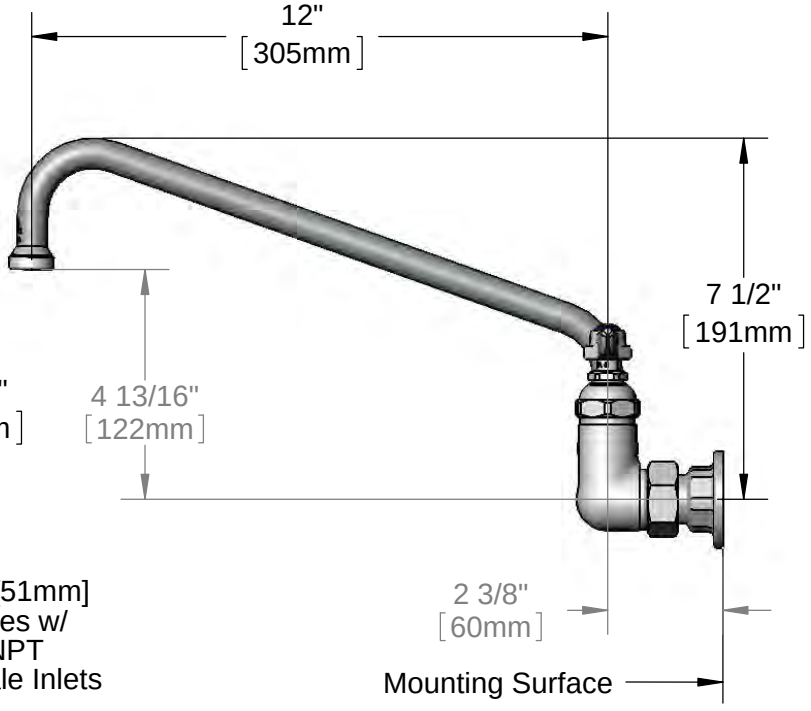
Customer/Wholesaler_____

Contractor_____

Architect/Engineer_____







Product Specifications:

8" Wall Mount Mixing Faucet w/ Eterna Cartridges, Lever Handles, 12" Swing Nozzle & 1/2" NPT Female Inlets

Product Compliance:

ASME A112.18.1 / CSA B125.1
NSF 61 - Sec
NSF 372 (Lov
ANSI A117.1

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Agreement #: Ag-5097 - Page 313 329

Drawn: DHL	Checked: JRM	Approved: JHB	Date: 03/17/14	Scale: 1:4	Sheet: 1 of 2

T&S BRASS AND BRONZE WORKS, INC.

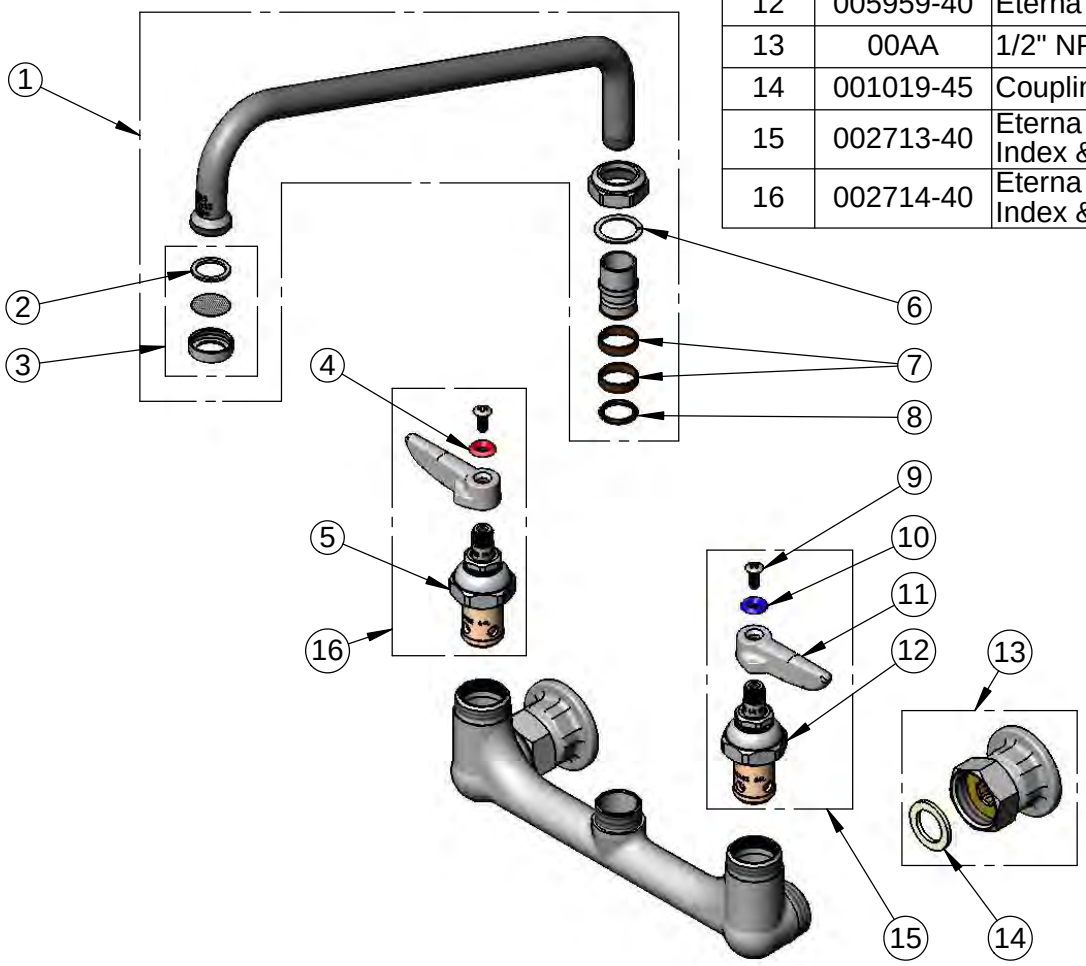
2 Saddleback Cove / P.O. Box 1088
Travelers Rest, SC 29690

Travelers Rest, SC: 800-476-4103 • Simi Valley, CA: 800-423-0150 • Fax: 864-834-3518 • www.tsbrass.com

Model No.
B-0231

Item No.

ITEM NO.	SALES NO.	DESCRIPTION
1	062X	12" Swing Nozzle
2	001048-45	Nozzle Tip Washer
3	B-PT	Stream Regulator Outlet
4	001661-45	Red Index-HW
5	005960-40	Eterna Cartridge, RTC
6	009538-45	Swivel Washer
7	011429-45	Swivel Sleeves (2)
8	001074-45	O-Ring
9	000922-45	Lever Handle Screw
10	001660-45	Blue Index-CW
11	001638-45	Lever Handle
12	005959-40	Eterna Cartridge, LTC
13	00AA	1/2" NPT Female Eccentric Flange
14	001019-45	Coupling Nut Washer
15	002713-40	Eterna Cartridge, LTC w/ Handle, Index & Screw
16	002714-40	Eterna Cartridge, RTC w/ Handle, Index & Screw



Product Specifications:
8" Wall Mount Mixing Faucet w/ Eterna Cartridges, Lever Handles, 12" Swing Nozzle & 1/2" NPT Female Inlets

Product Compliance:
ASME A112.18.1 / CSA B125.1
NSF 61 - Sec
NSF 372 (Lov
ANSI A117.1

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Agreement #: Ag-5097 - Page 313 329

Drawn: DHL	Checked: JRM	Approved: JHB	Date: 03/17/14	Scale: NTS	Sheet: 2 of 2

EQUIPMENT SPEC BOOK

06/01/2015

ITEM# 134.2 - LEVER WASTE (3 EA REQ'D)

T&S Brass B-3952

Twist Waste Valve, 3-1/2" sink opening, 2" drain outlet

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T&S BRASS AND BRONZE WORKS, INC.

2 Saddleback Cove / P.O. Box 1088
Travelers Rest, SC 29690

REG. #A2601
ISO #9001

Travelers Rest, SC: 800-476-4103 Simi Valley, CA: 800-423-0150 Fax: 864-834-3518 www.tsbrass.com

Model No.
B-3952

Item No.

This Space for Architect/Engineer Approval

Job Name_____Date_____

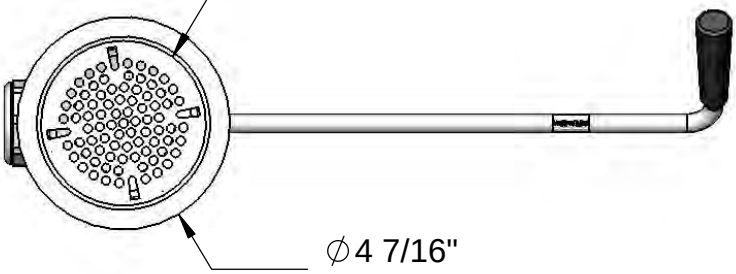
Model Specified_____ Quantity_____

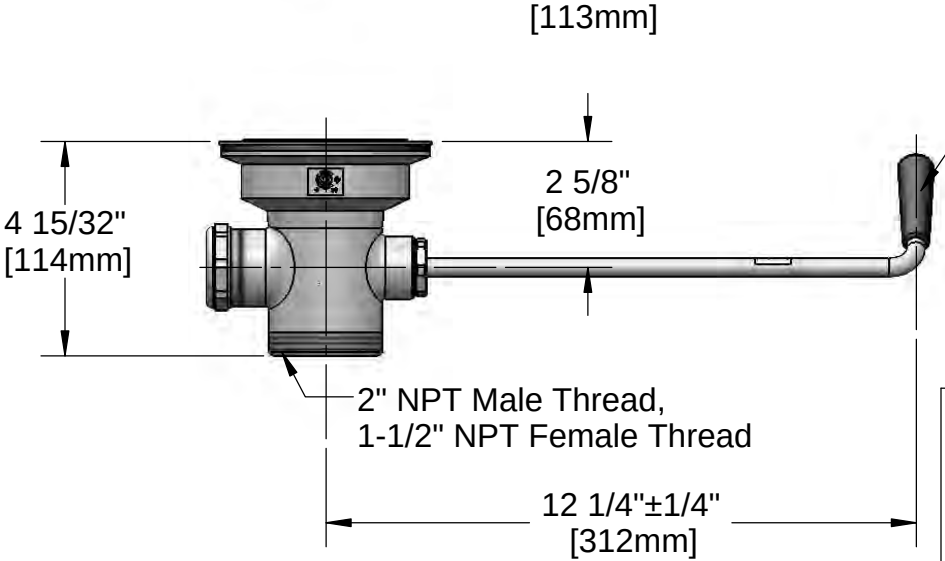
Customer/Wholesaler_____

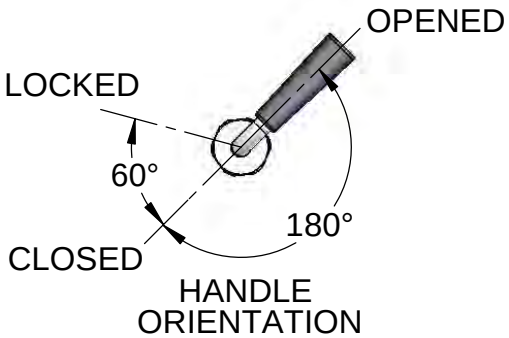
Contractor_____

Architect/Engineer_____









Product Specifications:

Rotary Waste Valve w/ Twist Handle, 3 1/2" Sink Opening, 2" NPT Male / 1-1/2" NPT Female Outlet

Drawn	Checked	Approved
DHL	JRM	JHR

Scale:

Approved as to Form CAO RISK 19707

Agreement #: Ag-5097 - Page 314

Sheet: 1 of 2

T&S BRASS AND BRONZE WORKS, INC.

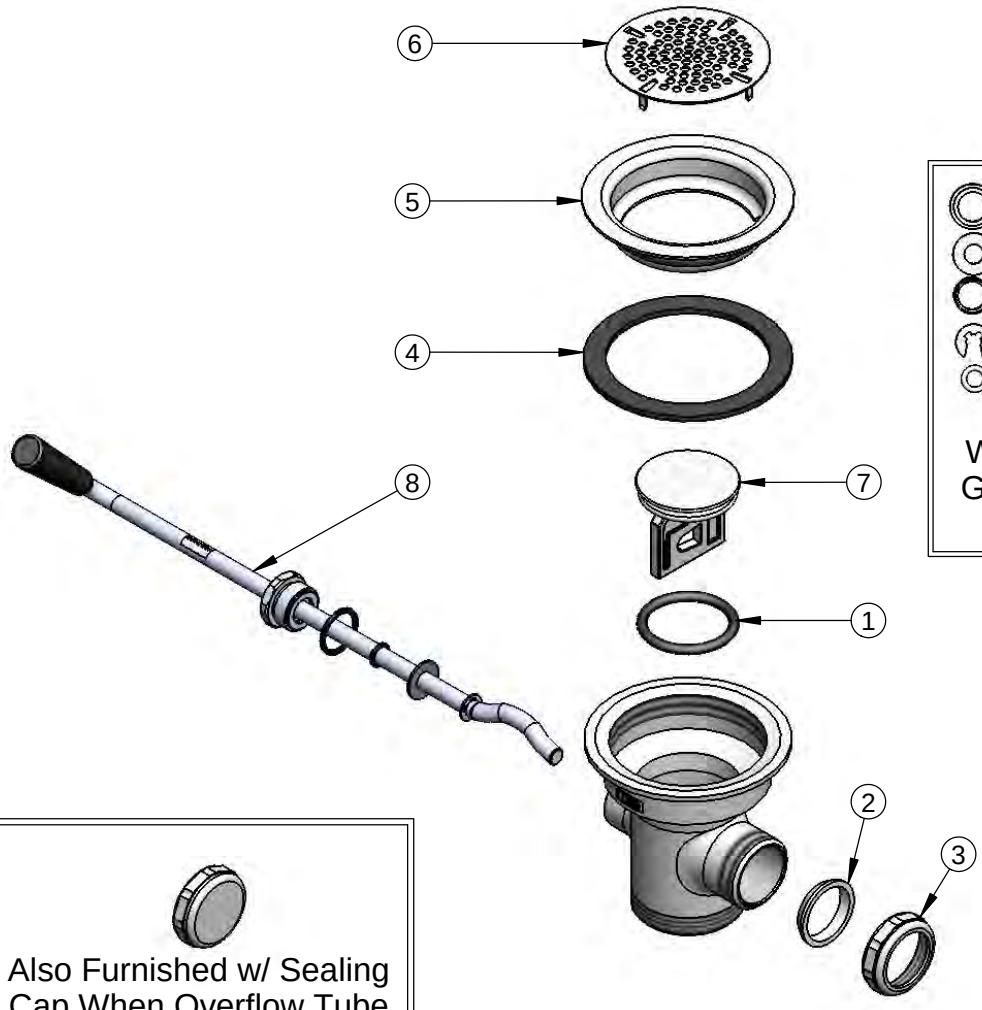
2 Saddleback Cove / P.O. Box 1088
Travelers Rest, SC 29690

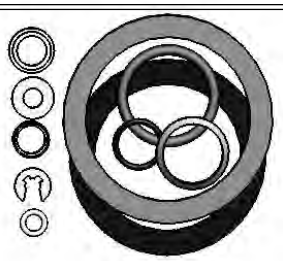
Travelers Rest, SC: 800-476-4103 • Simi Valley, CA: 800-423-0150 • Fax: 864-834-3518 • www.tsbrass.com

Model No. **B-3952**

Item No.

ITEM NO.	SALES NO.	DESCRIPTION
1	010389-45	O-Ring, Plunger
2	010390-45	Ferrule, Coupling Nut
3	010391-45	Nut, Coupling For Twist Drain
4	010382-45	Gasket, 3 1/2" Face Flange
5	010384-45	Flange, 3 1/2" Face
6	010386-45	Strainer, 3 1/2" Snap-in Removable
7	010388-45	Plunger, Lever and Twist Drain
8	010393-45	Handle Asm, Rotary Waste Valve Twist





Washers, O-Rings & Gaskets are included Parts Kit B-39-K

Also Furnished w/ Sealing Cap When Overflow Tube Coupling Nut is Not Used. PN# 012640-45

Product Specifications:
Rotary Waste Valve w/ Twist Handle, 3 1/2" Sink Opening, 2" NPT Male / 1-1/2" NPT Female Outlet

Drawn	Checked	Approved
DHL	JRM	JHB

Scale: NTS

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12/07

Agreement #: Ag-5097 - Page 3 of 4

Sheet: 2 of 2

EQUIPMENT SPEC BOOK

06/01/2015

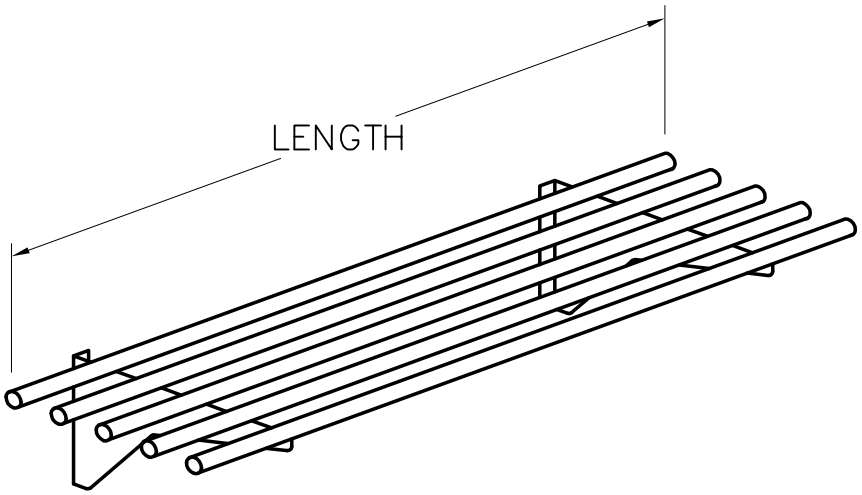
ITEM# 135 - SHELF, SINGLE WALL MOUNT, TUBULAR (1 EA REQ'D)

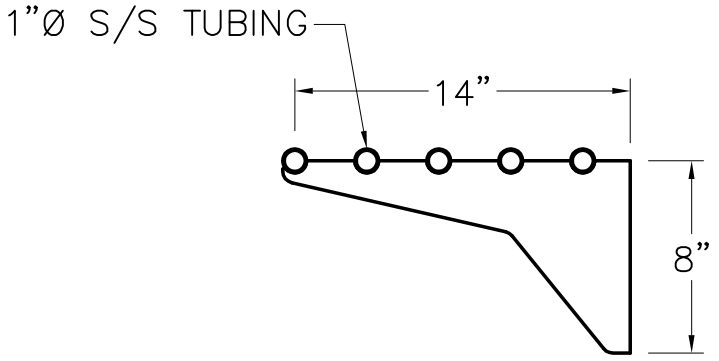
S/S Fab CSTM05

All Stainless Single Tubular Wall Shelf, brackets, APPROX 120x15, per plan

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TUBULAR WALL SHELF





NOTES

16 ga. S/S brackets

Example drawings only, refer to plans for actual dimensions

EQUIPMENT SPEC BOOK

06/01/2015

ITEM# 136 - WIRE SHELVING (4 EA REQ'D)

Metro 3048NK3

Super Erecta® Super Wide™ Shelf, wire, 48"W x 30"D, plastic split sleeves are included in each carton, Metroseal 3™ epoxy-coated corrosion-resistant finish with Microban® antimicrobial protection

ACCESSORIES

Mfr	Qty	Model	Spec
Metro	4	74PK3	Super Erecta® SiteSelect™ Post, 74-5/8"H, adjustable leveling bolt, posts are grooved at 1" increments & numbered at 2" increments, double grooved every 8", Metroseal 3™ epoxy-coated corrosion-resistant finish with Microban® antimicrobial protection

Approved as to Form CAO RISK

Item # _____

Job _____

SUPER ERECTA SHELF®

WIRE SHELVING

- **Unique Design:** The open wire design of these shelves minimizes dust accumulation and allows free circulation of air, greater visibility of stored items and greater light penetration.
- **Durable Construction:** Super Erecta shelves and posts are constructed of heavy-gauge carbon steel or Type 304 stainless steel.
- **Choice of Finishes:** Super Erecta Brite™ and chrome-plated for dry storage; Metroseal 3™ with Microban® antimicrobial product protection and stainless steel for corrosive environments; and attractive epoxy color options for merchandising applications.
- **Versatile:** Super Erecta Shelf® wire shelving can adapt to your changing needs. By using various accessories, hundreds of shelving configurations become possible.
- **Fast, Secure Assembly:** SiteSelect™ Posts have a double groove visual guide feature every 8" (203mm), circular grooves at 1" (25mm) increments, and are numbered at 2" (50mm) intervals. A patented, tapered split sleeve snaps together around each post. Tapered openings in the shelf corners slide over the tapered split sleeves providing a positive lock. Shelf is assembled in minutes without the use of any special tools.
- **Adjustability:** Shelves can be adjusted at 1" (25mm) intervals along the entire length of the post.
- **Shelf Ribs:** Run front to back, allowing you to slide items on and off shelves smoothly.
- **Shelf Accessibility:** Shelves can be loaded/unloaded easily from all sides This open construction allows maximum use of storage cube.
- **Adjustable Feet:** Bolt levelers compensate for surface irregularities.

Note: Stainless stationary posts are equipped with stainless steel leveling feet.



NSF

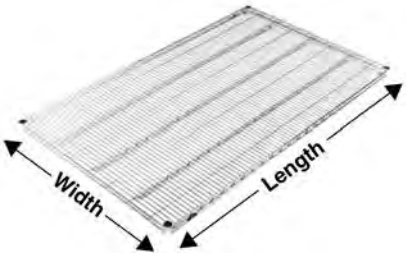


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Wilkes-Barre, PA 18705
www.metro.com

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Wire Shelves





Split Sleeve



Aluminum Split Sleeve

- **Metroseal 3:** Metro's proprietary epoxy coating contains Microban® antimicrobial product protection. Microban antimicrobial protects the epoxy coating from bacteria, mold, mildew, and fungus that cause odors, stains, and product degradation.
- See spec sheet 10.14 for epoxy color options.
- Plastic split sleeves are included with each shelf
  Replacements are available: Cat. No. 9985 (bag of 4)
- Aluminum split sleeves are recommended for abusive mobile applications and autoclave applications.
  Cat. No. 9986Z (bag of 4 with zinc C-rings)
  Cat. No. 9986S (bag of 4 with stainless steel C-rings)
- Load capacity (evenly distributed) per shelf
  Depths: 14" to 24" (355 to 610mm)
  800 lbs. (363kg) for lengths of 18" to 48" (457 to 1219mm)
  600 lbs. (272kg) for lengths of 54" (1370mm) or longer
- Load capacity (evenly distributed) per unit.
  Stationary shelving units have a maximum load capacity (evenly distributed) of 2,000 lbs. (907kg)
  Mobile units have a maximum capacity of three times the caster load rating up to but not exceeding 1,000 lbs. (453kg) total. Consult the Metro catalog for caster load ratings
- SUPER ERECTA SHELF meets Government Specifications MIL-S-40144E.

Model No. Super Erecta Brite	Model No. Chrome	Model No. Metroseal 3 with Microban®	Model No. Stainless	Nominal Width/Length (in.)	(mm)	Approx. Pkd. Wt. (lbs.)	(kg)
1424BR	1424NC	1424NK3	1424NS	14x24	355x610	6	2.7
1430 BR	1430NC	1430NK3	1430NS	14x30	355x760	7	3.2
1436BR	1436NC	1436NK3	1436NS	14x36	355x914	8	3.6
1442BR	1442NC	1442NK3	1442NS	14x42	355x1066	9 1/2	4.3
1448BR	1448NC	1448NK3	1448NS	14x48	355x1219	10 1/2	4.7
1460BR	1460NC	1460NK3	1460NS	14x60	355x1524	14	6.3
1472BR	1472NC	1472NK3	1472NS	14x72	355x1829	17	7.7
1824BR	1824NC	1824NK3	1824NS	18x24	457x610	7	3.2
1830BR	1830NC	1830NK3	1830NS	18x30	457x760	8	3.6
1836BR	1836NC	1836NK3	1836NS	18x36	457x914	9 1/2	4.3
1842BR	1842NC	1842NK3	1842NS	18x42	457x1066	11	5.0
1848BR	1848NC	1848NK3	1848NS	18x48	457x1219	12	5.4
1854BR	1854NC	1854NK3	1854NS	18x54	457x1370	14 1/2	6.6
1860BR	1860NC	1860NK3	1860NS	18x60	457x1524	17	7.7
1872BR	1872NC	1872NK3	1872NS	18x72	457x1829	20	9.1
2124BR	2124NC	2124NK3	2124NS	21x24	530x610	8	3.6
2130BR	2130NC	2130NK3	2130NS	21x30	530x760	9	4.1
2136BR	2136NC	2136NK3	2136NS	21x36	530x914	11	5.0
2142BR	2142NC	2142NK3	2142NS	21x42	530x1066	12	5.4
2148BR	2148NC	2148NK3	2148NS	21x48	530x1219	14	6.4
2154BR	2154NC	2154NK3	2154NS	21x54	530x1370	16	7.3
2160BR	2160NC	2160NK3	2160NS	21x60	530x1524	18	8.2
2172BR	2172NC	2172NK3	2172NS	21x72	530x1829	24	10.9
2424BR	2424NC	2424NK3	2424NS	24x24	610x610	9	4.1
2430BR	2430NC	2430NK3	2430NS	24x30	610x760	11	5.0
2436BR	2436NC	2436NK3	2436NS	24x36	610x914	13	5.9
2442BR	2442NC	2442NK3	2442NS	24x42	610x1066	15	6.8
2448BR	2448NC	2448NK3	2448NS	24x48	610x1219	16	7.3
2454BR	2454NC	2454NK3	2454NS	24x54	610x1370	19	8.6
2460BR	2460NC	2460NK3	2460NS	24x60	610x152		9.5
2472BR	2472NC	2472NK3	2472NS	24x72	610x182		1.8

Note: 14" (355mm) deep units.
Free-standing units: floor plates should be used and secured to the floor.
Mobile units: maximum allowable post height is 54" (1370mm).

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SiteSelect™ Posts

Stationary Posts

Stationary posts are equipped with a leveling bolt to account for uneven floors.

- Height includes leveling bolt (completely tightened) and post cap Leveling bolt can be adjusted 1/2" (13mm).
- Foot plates may be ordered separately and installed in place of leveling foot.
- Replacement leveling bolts
  Zinc Cat. No. RPF04-004 Stainless Steel Cat. No. RPF04-004C
- Replacement post cap for standard posts
  Black Cat. No. RPC06-035



SiteSelect Posts feature double grooves every 8" (203mm) to aid assembly.

Model No. Chrome	Model No. Metroseal 3 with Microban	Model No. Stainless Steel	Height (in.)	Height (mm)	Approx. Pkd. Wt. (lbs.)	Approx. Pkd. Wt. (kg)
7P			7 3/8	187	1/2	0.3
13P	13PK3	13PS	14 3/8	365	1	0.5
27P		27PS	28 3/8	720	1 3/4	0.75
33P	33PK3	33PS	34 3/8	873	2	0.9
54P	54PK3	54PS	54 7/16	1382	3	1.4
63P	63PK3	63PS	62 7/16	1585	3 1/2	1.6
74P	74PK3	74PS	74 1/2	1892	4	1.8
86P	86PK3	86PS	86 1/2	2197	5	2.3
*96P			96 1/2	2450	5 1/2	2.5

*96P should not be used on units less than 24" (610mm) deep. Consult Metro Engineering for alternate recommendations.

Mobile Posts (For use with Stem Casters)

- Height includes post cap.

Model No. Chrome	Model No. Metroseal 3 with Microban	Model No. Stainless Steel	Height (in.)	Height (mm)	Approx. Pkd. Wt. (lbs.)	Approx. Pkd. Wt. (kg)
27UP		27UPS	27 3/4	704	1 3/4	0.75
33UP	33UPK3	33UPS	33 3/4	857	2	0.9
54UP	54UPK3	54UPS	53 13/16	1366	3	1.4
63UP	63UPK3	63UPS	61 13/16	1570	3 1/2	1.6
	70UPK3		69 3/4	1771	3 3/4	1.7
74UP	74UPK3	74UPS	73 7/8	1876	4	1.8
86UP	86UPK3	86UPS	85 7/8	2181	4 1/2	2.0

Staked Posts (For use with Truck Dollies)

- Each post connects to the truck dolly through the stem receptacle. The stem receptacle is staked into the bottom of the post to ensure a durable connection in abusive mobile applications.
- Each includes a leveling/connecting bolt.

Model No. Chrome	Model No. Stainless Steel	Height (in.)	Height (mm)	Approx. Pkd. Wt. (lbs.)	Approx. Pkd. Wt. (kg)
54P-STKD	54PS-STKD	54 7/16	1382	3	1.4
63P-STKD	63PS-STKD	62 7/16	1585	3 1/2	1.6
74P-STKD	74PS-STKD	74 1/2	1892	4	1.8

Swedged Posts (For use with Stem Casters in Cart Wash Applications)

- Each post has an aluminum cap swedged into the top of the post.

Model No. Stainless Steel	Height (in.)	Height (mm)	Approx. Pkd. Wt. (lbs.)	Approx. Pkd. Wt. (kg)
33UPS-SW	33 3/4	857	2	0.9
54UPS-SW	53 13/16	1366	3	1.4
63UPS-SW	61 13/16	1570	3 1/2	1.6

Special Length Posts

Special length cut posts are available. Consult your Metro[illegible] for more[illegible]

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Job _____

SUPER ERECTA SHELF®
WIRE SHELVING

Super Wide Shelving

- **High-density Storage:** Super Wide™ shelves have a greater storage area for holding large quantities of supplies, especially large, bulky objects, providing maximum storage in minimum space.
- **Load Capacity** (evenly distributed) per shelf:
  Depths: 30" and 36" (760 and 914mm)

  600 lbs. (272kg) for lengths 48" (1219mm) or shorter.

  400 lbs. (181kg) for lengths 54" (1370mm) or longer.



Model No. Chrome	Model No. Metroseal 3 with Microban	Model No. Stainless Steel	Nominal Width/Length (in.)	(mm)	Approx. Pkd. Wt. (lbs.)	(kg)
3036NC	3036NK3	3036NS	30x36	760x914	15	6.8
3048NC	3048NK3	3048NS	30x48	760x1219	21	9.5
3060NC	3060NK3	3060NS	30x60	760x1524	26 1/2	11.8
3072NC	3072NK3	3072NS	30x72	760x1829	31	14.0
3636NC	3636NK3	3636NS	36x36	910x914	18	8.2
3648NC	3648NK3	3648NS	36x48	910x1219	23	10.4
3660NC	3660NK3	3660NS	36x60	910x1524	29	13.1
3672NC	3672NK3	3672NS	36x72	910x1829	34 1/2	15.4

Foot Plates

- Use to bolt units to the floor, or when a broader, more stable foot is desired. Foot plates also help to protect floors by distributing the point load of the shelving unit across a larger contact point.
- Foot plates (completely tightened) add 1/8" (3mm) to the specified heights of each stationary post on the table.
  Zinc Cat. No. 9993Z
  Stainless Steel Cat. No. 9993S



"S" Hook

- Used to add on shelving units with only two posts required. Order two per shelf level.
  Cat. No. 9995Z



All Metro Catalog Sheets are available on our Web Site: **www.metro.com**

InterMetro Industries Corporation
North Washington Street, Wilkes-Barre, PA 18705
Phone: 570-825-2741
Fax: 570-825-2852

For Product Information:
U.S. and Canada: 1.800.433.2232
Latin America: 1.561.533.3824
Europe: +31.76.587.7550
Asia/Pacific: +65.6
Middle East/Africa:

L02-006
Printed in U.S.A. Rev. 11/08

Information and specifications are subject to change without notice. Please confirm at time of order.

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Agreement # : Ag 5 0 9 7 3 Page 3 1 4 3 2 9

Item # _____

Job _____

SUPER ERECTA SHELF®
WIRE SHELVING

- **Unique Design:** The open wire design of these shelves minimizes dust accumulation and allows free circulation of air, greater visibility of stored items and greater light penetration.
- **Durable Construction:** Super Erecta shelves and posts are constructed of heavy-gauge carbon steel or Type 304 stainless steel.
- **Choice of Finishes:** Super Erecta Brite™ and chrome-plated for dry storage; Metroseal 3™ with Microban® antimicrobial product protection and stainless steel for corrosive environments; and attractive epoxy color options for merchandising applications.
- **Versatile:** Super Erecta Shelf® wire shelving can adapt to your changing needs. By using various accessories, hundreds of shelving configurations become possible.
- **Fast, Secure Assembly:** SiteSelect™ Posts have a double groove visual guide feature every 8" (203mm), circular grooves at 1" (25mm) increments, and are numbered at 2" (50mm) intervals. A patented, tapered split sleeve snaps together around each post. Tapered openings in the shelf corners slide over the tapered split sleeves providing a positive lock. Shelf is assembled in minutes without the use of any special tools.
- **Adjustability:** Shelves can be adjusted at 1" (25mm) intervals along the entire length of the post.
- **Shelf Ribs:** Run front to back, allowing you to slide items on and off shelves smoothly.
- **Shelf Accessibility:** Shelves can be loaded/unloaded easily from all sides This open construction allows maximum use of storage cube.
- **Adjustable Feet:** Bolt levelers compensate for surface irregularities.

Note: Stainless stationary posts are equipped with stainless steel leveling feet.



NSF

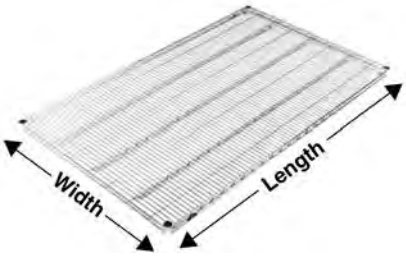


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METRO
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North Washington Street
Wilkes-Barre, PA 18705
www.metro.com

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Wire Shelves





Split Sleeve



Aluminum Split Sleeve

- **Metroseal 3:** Metro's proprietary epoxy coating contains Microban® antimicrobial product protection. Microban antimicrobial protects the epoxy coating from bacteria, mold, mildew, and fungus that cause odors, stains, and product degradation.
- See spec sheet 10.14 for epoxy color options.
- Plastic split sleeves are included with each shelf
  Replacements are available: Cat. No. 9985 (bag of 4)
- Aluminum split sleeves are recommended for abusive mobile applications and autoclave applications.
  Cat. No. 9986Z (bag of 4 with zinc C-rings)
  Cat. No. 9986S (bag of 4 with stainless steel C-rings)
- Load capacity (evenly distributed) per shelf
  Depths: 14" to 24" (355 to 610mm)
  800 lbs. (363kg) for lengths of 18" to 48" (457 to 1219mm)
  600 lbs. (272kg) for lengths of 54" (1370mm) or longer
- Load capacity (evenly distributed) per unit.
  Stationary shelving units have a maximum load capacity (evenly distributed) of 2,000 lbs. (907kg)
  Mobile units have a maximum capacity of three times the caster load rating up to but not exceeding 1,000 lbs. (453kg) total. Consult the Metro catalog for caster load ratings
- SUPER ERECTA SHELF meets Government Specifications MIL-S-40144E.

Model No. Super Erecta Brite	Model No. Chrome	Model No. Metroseal 3 with Microban®	Model No. Stainless	Nominal Width/Length (in.)	(mm)	Approx. Pkd. Wt. (lbs.)	(kg)
1424BR	1424NC	1424NK3	1424NS	14x24	355x610	6	2.7
1430 BR	1430NC	1430NK3	1430NS	14x30	355x760	7	3.2
1436BR	1436NC	1436NK3	1436NS	14x36	355x914	8	3.6
1442BR	1442NC	1442NK3	1442NS	14x42	355x1066	9 1/2	4.3
1448BR	1448NC	1448NK3	1448NS	14x48	355x1219	10 1/2	4.7
1460BR	1460NC	1460NK3	1460NS	14x60	355x1524	14	6.3
1472BR	1472NC	1472NK3	1472NS	14x72	355x1829	17	7.7
1824BR	1824NC	1824NK3	1824NS	18x24	457x610	7	3.2
1830BR	1830NC	1830NK3	1830NS	18x30	457x760	8	3.6
1836BR	1836NC	1836NK3	1836NS	18x36	457x914	9 1/2	4.3
1842BR	1842NC	1842NK3	1842NS	18x42	457x1066	11	5.0
1848BR	1848NC	1848NK3	1848NS	18x48	457x1219	12	5.4
1854BR	1854NC	1854NK3	1854NS	18x54	457x1370	14 1/2	6.6
1860BR	1860NC	1860NK3	1860NS	18x60	457x1524	17	7.7
1872BR	1872NC	1872NK3	1872NS	18x72	457x1829	20	9.1
2124BR	2124NC	2124NK3	2124NS	21x24	530x610	8	3.6
2130BR	2130NC	2130NK3	2130NS	21x30	530x760	9	4.1
2136BR	2136NC	2136NK3	2136NS	21x36	530x914	11	5.0
2142BR	2142NC	2142NK3	2142NS	21x42	530x1066	12	5.4
2148BR	2148NC	2148NK3	2148NS	21x48	530x1219	14	6.4
2154BR	2154NC	2154NK3	2154NS	21x54	530x1370	16	7.3
2160BR	2160NC	2160NK3	2160NS	21x60	530x1524	18	8.2
2172BR	2172NC	2172NK3	2172NS	21x72	530x1829	24	10.9
2424BR	2424NC	2424NK3	2424NS	24x24	610x610	9	4.1
2430BR	2430NC	2430NK3	2430NS	24x30	610x760	11	5.0
2436BR	2436NC	2436NK3	2436NS	24x36	610x914	13	5.9
2442BR	2442NC	2442NK3	2442NS	24x42	610x1066	15	6.8
2448BR	2448NC	2448NK3	2448NS	24x48	610x1219	16	7.3
2454BR	2454NC	2454NK3	2454NS	24x54	610x1370	19	8.6
2460BR	2460NC	2460NK3	2460NS	24x60	610x152		9.5
2472BR	2472NC	2472NK3	2472NS	24x72	610x182		1.8

Note: 14" (355mm) deep units.
Free-standing units: floor plates should be used and secured to the floor.
Mobile units: maximum allowable post height is 54" (1370mm).

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SiteSelect™ Posts

Stationary Posts

Stationary posts are equipped with a leveling bolt to account for uneven floors.

- Height includes leveling bolt (completely tightened) and post cap Leveling bolt can be adjusted 1/2" (13mm).
- Foot plates may be ordered separately and installed in place of leveling foot.
- Replacement leveling bolts
  Zinc Cat. No. RPF04-004 Stainless Steel Cat. No. RPF04-004C
- Replacement post cap for standard posts
  Black Cat. No. RPC06-035



SiteSelect Posts feature double grooves every 8" (203mm) to aid assembly.

Model No. Chrome	Model No. Metroseal 3 with Microban	Model No. Stainless Steel	Height (in.)	Height (mm)	Approx. Pkd. Wt. (lbs.)	Approx. Pkd. Wt. (kg)
7P			7 3/8	187	1/2	0.3
13P	13PK3	13PS	14 3/8	365	1	0.5
27P		27PS	28 3/8	720	1 3/4	0.75
33P	33PK3	33PS	34 3/8	873	2	0.9
54P	54PK3	54PS	54 7/16	1382	3	1.4
63P	63PK3	63PS	62 7/16	1585	3 1/2	1.6
74P	74PK3	74PS	74 1/2	1892	4	1.8
86P	86PK3	86PS	86 1/2	2197	5	2.3
*96P			96 1/2	2450	5 1/2	2.5

*96P should not be used on units less than 24" (610mm) deep. Consult Metro Engineering for alternate recommendations.

Mobile Posts (For use with Stem Casters)

- Height includes post cap.

Model No. Chrome	Model No. Metroseal 3 with Microban	Model No. Stainless Steel	Height (in.)	Height (mm)	Approx. Pkd. Wt. (lbs.)	Approx. Pkd. Wt. (kg)
27UP		27UPS	27 3/4	704	1 3/4	0.75
33UP	33UPK3	33UPS	33 3/4	857	2	0.9
54UP	54UPK3	54UPS	53 13/16	1366	3	1.4
63UP	63UPK3	63UPS	61 13/16	1570	3 1/2	1.6
	70UPK3		69 3/4	1771	3 3/4	1.7
74UP	74UPK3	74UPS	73 7/8	1876	4	1.8
86UP	86UPK3	86UPS	85 7/8	2181	4 1/2	2.0

Staked Posts (For use with Truck Dollies)

- Each post connects to the truck dolly through the stem receptacle. The stem receptacle is staked into the bottom of the post to ensure a durable connection in abusive mobile applications.
- Each includes a leveling/connecting bolt.

Model No. Chrome	Model No. Stainless Steel	Height (in.)	Height (mm)	Approx. Pkd. Wt. (lbs.)	Approx. Pkd. Wt. (kg)
54P-STKD	54PS-STKD	54 7/16	1382	3	1.4
63P-STKD	63PS-STKD	62 7/16	1585	3 1/2	1.6
74P-STKD	74PS-STKD	74 1/2	1892	4	1.8

Swedged Posts (For use with Stem Casters in Cart Wash Applications)

- Each post has an aluminum cap swedged into the top of the post.

Model No. Stainless Steel	Height (in.)	Height (mm)	Approx. Pkd. Wt. (lbs.)	Approx. Pkd. Wt. (kg)
33UPS-SW	33 3/4	857	2	0.9
54UPS-SW	53 13/16	1366	3	1.4
63UPS-SW	61 13/16	1570	3 1/2	1.6

Special Length Posts

Special length cut posts are available. Consult your Metro[illegible] for more

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Job _____

SUPER ERECTA SHELF®
WIRE SHELVING

Super Wide Shelving

- **High-density Storage:** Super Wide™ shelves have a greater storage area for holding large quantities of supplies, especially large, bulky objects, providing maximum storage in minimum space.
- **Load Capacity** (evenly distributed) per shelf:
  Depths: 30" and 36" (760 and 914mm)

  600 lbs. (272kg) for lengths 48" (1219mm) or shorter.

  400 lbs. (181kg) for lengths 54" (1370mm) or longer.



Model No. Chrome	Model No. Metroseal 3 with Microban	Model No. Stainless Steel	Nominal Width/Length (in.)	(mm)	Approx. Pkd. Wt. (lbs.)	(kg)
3036NC	3036NK3	3036NS	30x36	760x914	15	6.8
3048NC	3048NK3	3048NS	30x48	760x1219	21	9.5
3060NC	3060NK3	3060NS	30x60	760x1524	26 1/2	11.8
3072NC	3072NK3	3072NS	30x72	760x1829	31	14.0
3636NC	3636NK3	3636NS	36x36	910x914	18	8.2
3648NC	3648NK3	3648NS	36x48	910x1219	23	10.4
3660NC	3660NK3	3660NS	36x60	910x1524	29	13.1
3672NC	3672NK3	3672NS	36x72	910x1829	34 1/2	15.4

Foot Plates

- Use to bolt units to the floor, or when a broader, more stable foot is desired. Foot plates also help to protect floors by distributing the point load of the shelving unit across a larger contact point.
- Foot plates (completely tightened) add 1/8" (3mm) to the specified heights of each stationary post on the table.
  Zinc Cat. No. 9993Z
  Stainless Steel Cat. No. 9993S



"S" Hook

- Used to add on shelving units with only two posts required. Order two per shelf level.
  Cat. No. 9995Z



All Metro Catalog Sheets are available on our Web Site: **www.metro.com**

InterMetro Industries Corporation
North Washington Street, Wilkes-Barre, PA 18705
Phone: 570-825-2741
Fax: 570-825-2852

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For Product Information:
U.S. and Canada: 1.800.433.2232
Latin America: 1.561.533.3824
Europe: +31.76.587.7550
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EQUIPMENT SPEC BOOK

06/01/2015

ITEM# 137 - SECURITY UNIT (1 EA REQ'D)

Metro SEC56ECQ

Super Erecta® qwikSLOT™ Security Unit, mobile, chrome-plated finish, 27-1/4"W x 65" L x 68-1/2"H, no intermediate shelves (2) 5MP/5MPB casters

ACCESSORIES

Mfr	Qty	Model	Spec
Metro	3	2460QBR	Super Erecta® qwikSLOT™ Shelf, wire, 60"W x 24"D, Bright (zinc) finish, adjustable & removable, snaps into posts (4) shelf clips are packed with shelf, each unit requires a standard Super Erecta® Shelf at the top & bottom

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Item # _____

Job _____

SECURITY UNITS
Features:

- **Safe Storage:** Protects valuable materials and sensitive items from loss or pilferage.
- **Microban® Antimicrobial Product Protection*:** Metroseal 3 and MetroMax Q models feature Microban Antimicrobial Product Protection, designed to stay "cleaner between cleanings."
- **Ready View of Contents:** Heavy-gauge open wire construction keeps the entire contents of the truck visible at all times, making it easy to check inventory.
- **Adjustable, Optional Intermediate Shelves:** Patented, easily adjustable shelf designs — Super Adjustable Super Erecta, MetroMax Q, and qwikSLOT — allow flexibility to meet changing needs. Can be positioned in 1" (25 mm) increments along the entire height of post.
- **Patented, Ergonomic, 1/4-Turn Door Handle:** Makes opening and closing the unit easier than conventional security unit designs.
- **Double Door:** Each door opens 270 degrees and can be secured along the sides of the unit.
- **Time Saving Assembly:** Metro security units assemble quickly — right out of the box.
- **Shipped Knocked-Down:** Saves on freight costs. Easily assembled.

Choose from Stationary or Mobile Standard and Heavy-Duty Configurations:

- **Safe Transportation:** Mobile, security trucks provide the advantage of quick, protective transportation.
- **Easy Cleaning of Storage Areas:** Mobile units move easily from walls to allow thorough cleaning of floors and walls.
- **Mobile Units:** Available in Standard and Heavy-Duty models Heavy-Duty units offer increased rigidity and durability for applications such as crossing thresholds.
- **Stationary Units:** Posts have leveling feet to compensate for uneven surfaces.



Handle (open position)



Handle (closed position)



Super Erecta Shelf (HD Mobile) with optional Super Adjustable Super Erecta® Intermediate shelves



MetroMax Q (Stationary) with optional Intermediate shelves



qwikSLOT (Mobile) with optional Intermediate shelves

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InterMetro Industries Corporation
North Washington Street
Wilkes-Barre, PA 18705
www.metro.com

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Specifications

Super Erecta Shelf Stationary Security

Model No. Chrome	Model No. Metroseal 3	Model No. Stainless Steel	Width (in.)	Width (mm)	Length (in.)	Length (mm)	Height (in.)	Height (mm)	Fits Shelf (in.)	Fits Shelf (mm)	Approx. Pkd. Wt. (lbs.)	Approx. Pkd. Wt. (kg)
SEC33C	SEC33K3	SEC33S	21 1/2	546	38 1/2	980	66 13/16	1695	18x36	457x914	138	63
SEC35C	SEC35K3	SEC35S	21 1/2	546	50 1/2	1295	66 13/16	1695	18x48	457x1219	157	71
SEC53C	SEC53K3	SEC53S	27 1/4	692	38 1/2	980	66 13/16	1695	24x36	610x914	154	70
SEC55C	SEC55K3	SEC55S	27 1/4	692	50 1/2	1295	66 13/16	1695	24x48	610x1219	174	79
SEC56C	SEC56K3	SEC56S	27 1/4	692	62 1/2	1587	66 13/16	1695	24x60	610x1524	195	89
SEC63C		SEC63S	33 1/2	851	38 1/2	980	66 13/16	1695	30x36	760x914	167	76
SEC65C		SEC65S	33 1/2	851	50 1/2	1295	66 13/16	1695	30x48	760x1219	193	88
SEC66C		SEC66S	33 1/2	851	62 1/2	1587	66 13/16	1695	30x60	760x1524	215	98

Super Erecta Shelf Mobile Security

Standard-Duty Stem Caster Models: feature 5" (127mm) swivel casters. Please note model numbers for specific caster types.

Model No. Chrome	Model No. Metroseal 3	Caster Type	Width (in.)	Width (mm)	Length (in.)	Length (mm)	Height (in.)	Height (mm)	Fits Shelf (in.)	Fits Shelf (mm)	Approx. Pkd. Wt. (lbs.)	Approx. Pkd. Wt. (kg)
SEC33EC	SEC33EK3	(2) 5MP/(2) 5MPB	21 1/2	546	40 3/4	1035	68 1/2	1740	18x36	457x914	146	66
SEC35EC	SEC35EK3	(2) 5MP/(2) 5MPB	21 1/2	546	52 3/4	1340	68 1/2	1740	18x48	457x1219	165	75
SEC53DC	SEC53DK3	(4) 5MP	27 1/4	692	40 3/4	1035	68 1/2	1740	24x36	610x914	162	74
SEC55DC	SEC55DK3	(4) 5MP	27 1/4	692	52 3/4	1340	68 1/2	1740	24x48	610x1219	182	83
SEC56DC	SEC56DK3	(4) 5MP	27 1/4	692	65	1651	68 1/2	1740	24x60	610x1524	203	92
SEC53EC	SEC53EK3	(2) 5MP/5MPB	27 1/4	692	40 3/4	1035	68 1/2	1740	24x36	610x914	162	74
SEC55EC	SEC55EK3	(2) 5MP/5MPB	27 1/4	692	52 3/4	1340	68 1/2	1740	24x48	610x1219	182	83
SEC56EC	SEC56EK3	(2) 5MP/5MPB	27 1/4	692	65	1651	68 1/2	1740	24x60	610x1524	203	92
	SEC53VK3	(2) 5PC/5PCB	27 1/4	692	40 3/4	1035	68 1/2	1740	24x36	610x914	162	74
	SEC55VK3	(2) 5PC/5PCB	27 1/4	692	52 3/4	1340	68 1/2	1740	24x48	610x1219	182	83
	SEC56VK3	(2) 5PC/5PCB	27 1/4	692	65	1651	68 1/2	1740	24x60	610x1524	203	92
SEC63EC		(2) 5MP/(2) 5MPB	33 1/2	851	40 3/4	1035	68 1/2	1740	30x36	760x914	175	80
SEC65EC		(2) 5MP/(2) 5MPB	33 1/2	851	52 3/4	1340	68 1/2	1740	30x48	760x1219	202	92
SEC66EC		(2) 5MP/(2) 5MPB	33 1/2	851	65	1651	68 1/2	1740	30x60	760x1524	223	101

Casters: 5MP and 5MPB (with locking brake) feature a polyurethane tread.
5PC and 5PCB (with locking brake) castes feature a polymer horn and resist rusting. They are recommended for high-moisture environments.

Heavy-Duty Models: feature aluminum dollies with wraparound bumpers and 5" (127mm) diameter casters.

Model No. Chrome	Model No. Metroseal 3	Caster Type	Width (in.)	Width (mm)	Length (in.)	Length (mm)	Height (in.)	Height (mm)	Fits Shelf (in.)	Fits Shelf (mm)	Approx. Pkd. Wt. (lbs.)	Approx. Pkd. Wt. (kg)
SEC53LC	SEC53LK3	(2) B5P/B5PB	28 1/16	713	38 1/2	980	68 1/2	1740	24x36	610x914	187	85
SEC55LC	SEC55LK3	(2) B5P/B5PB	28 1/16	713	50 1/2	1285	68 1/2	1740	24x48	610x1219	210	95
SEC56LC	SEC56LK3	(2) B5P/B5PB	28 1/16	713	63 1/8	1600	68 1/2	1740	24x60	610x1524	235	107

Stainless Steel: Casters must be ordered separately on "-SD" models. Dollies and casters must be ordered separately on "-HD" models.

Model No.	Description	Width (in.)	Width (mm)	Length (in.)	Length (mm)	Height (in.)	Height (mm)	Fits Shelf (in.)	Fits Shelf (mm)	Approx. Pkd. Wt. (lbs.)	Approx. Pkd. Wt. (kg)
SEC33S-SD	Standard Duty	21 1/2	546	40 3/4	1035	62	1575	18x36	457x914	138	63
SEC35S-SD	Standard Duty	21 1/2	546	52 3/4	1340	62	1575	18x48	457x1219	157	71
SEC53S-SD	Standard Duty	27 1/4	692	40 3/4	1035	62	1575	24x36	610x914	154	70
SEC55S-SD	Standard Duty	27 1/4	692	52 3/4	1340	62	1575	24x48	610x1219	174	79
SEC56S-SD	Standard Duty	27 1/4	692	65	1651	62	1575	24x60	610x1524	195	89
SEC63S-SD	Standard Duty	33 1/2	851	40 3/4	1035	62	1575	30x36	760x914	167	76
SEC65S-SD	Standard Duty	33 1/2	851	52 3/4	1340	62	1575	30x48	760x1219	193	88
SEC66S-SD	Standard Duty	33 1/2	851	65	1651	62	1575	30x60	760x1524	215	98
SEC53S-HD	Heavy Duty	28 1/16	713	38 1/2	980	62	1575	24x36	610x914	154	70
SEC55S-HD	Heavy Duty	28 1/16	713	50 1/2	1285	62	1575	24x48	610x1219	174	79
SEC56S-HD	Heavy Duty	28 1/16	713	63 1/8	1600	62	1575	24x60	610x1524	195	89

NOTE: Given height is for unit without dolly or casters (depending on model chosen). For approximate overall unit height add chosen caster diameter plus 1" (25mm).
CAUTION: Large casters can create a tipping hazard. On 18" (457mm) security units, do not use casters larger than 5" (127mm) in diameter.

Intermediate Super Adjustable Shelves for Super Erecta Shelf Security Units

Model No. Chrome	Model No. Metroseal 3	Model No. Stainless Steel	Width (in.)	Width (mm)	Length (in.)	Length (mm)	Approx. Pkd. Wt. (lbs.)	Approx. Pkd. Wt. (kg)
A1836NC	A1836NK3	A1836NS	18	457	36	914	9 1/2	4.3
A1848NC	A1848NK3	A1848NS	18	457	48	1219	12	5.4
A2436NC	A2436NK3	A2436NS	24	610	36	914	13	6
A2448NC	A2448NK3	A2448NS	24	610	48	1219	16	7
A2460NC	A2460NK3	A2460NS	24	610	60	1524	21	9.5
A3036NC		A3036NS	30	760	36	914		6.8
A3048NC		A3048NS	30	760	48	1219		9.5
A3060NC		A3060NS	30	760	60	1524		38

NOTE: Standard Super Erecta shelves can also be used as intermediate shelves. Refer to catalog sheet 10.01 for more information.

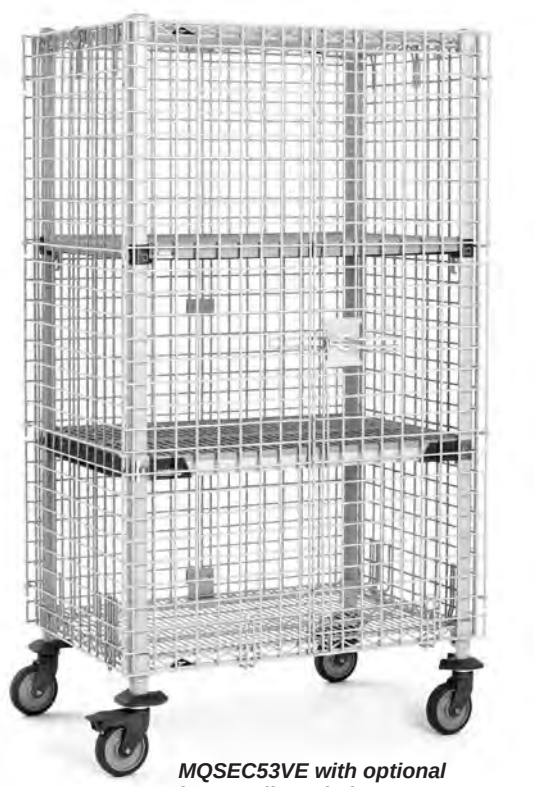
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MetroMax Q Security Units

- Microban antimicrobial product protection is built into the enclosures, doors, handles, and shelves to keep the product "cleaner between cleanings."
- Optional intermediate shelves: MetroMax Q quick adjust shelves or corrosion proof MetroMax i.

Specifications

- Standard Units consist of taupe epoxy coated top and bottom wire shelves, tri-lobal steel posts, wire enclosures, and doors. Casters and bumpers are included with mobile units. Intermediate shelves are sold separately.
- Grid openings: 1 3/4" x 1 3/4" (44 x 44mm).



MQSEC53VE with optional intermediate shelves

MetroMax Q Stationary Units — 66 3/16" (1681mm) High

Model No.	Actual Outside Dimensions (including handle) Width (in.)	Width (mm)	Length (in.)	Length (mm)	Fits Shelf (in.)	Fits Shelf (mm)	Approx. Pkd. Wt. (lbs.)	(kg)
MQSEC53E	26 15/16	685	38 7/8	987	24 x 36	610 x 914	148	67
MQSEC55E	26 15/16	685	50 7/8	1292	24 x 48	610 x 1219	156	71
MQSEC56E	26 15/16	685	62 7/8	1597	24 x 60	610 x 1524	161	73

Note: Leveling foot on post can be adjusted up to 1" (25mm) to compensate for uneven floors.

MetroMax Q Stem Caster Mobile Units — 67 13/16" (1723mm) High

Model No. Includes four 5" (127mm) diameter swivel casters	Model No. Includes four 5" (127mm) diameter swivel casters	Actual Outside Dimensions (including bumpers and handle) Width (in.)	Width (mm)	Length (in.)	Length (mm)	Fits Shelf (in.)	Fits Shelf (mm)	Approx. Pkd. Wt. (lbs.)	(kg)
MQSEC53DE	MQSEC53VE	27 13/16	707	40 3/4	1035	24 x 36	610 x 914	166	75
MQSEC55DE	MQSEC55VE	27 13/16	707	52 3/4	1340	24 x 48	610 x 1219	176	80
MQSEC56DE	MQSEC56VE	27 13/16	707	64 3/4	1645	24 x 60	610 x 1524	179	81

Note: DE models use four 5MPX casters.
VE models use two 5PCX and two 5PCBX casters.



Ergonomic 1/4-turn door handle

MetroMax Q Heavy-Duty Mobile Units — 68 1/2" (1740mm) High

Mounted on an aluminum dolly with 5" (127mm) plate casters and wraparound bumpers.

Model No.	Actual Outside Dimensions (including handle) Width (in.)	Width (mm)	Length (in.)	Length (mm)	Fits Shelf (in.)	Fits Shelf (mm)	Approx. Pkd. Wt. (lbs.)	(kg)
MQSEC53LE	28 1/16	713	39 1/8	994	24 x 36	610 x 914	166	75
MQSEC55LE	28 1/16	713	51 1/8	1299	24 x 48	610 x 1219	176	80
MQSEC56LE	28 1/16	713	63 1/8	1603	24 x 60	610 x 1524	179	81

Note: The aluminum dollies used on the LE models have two B5P and two B5PB plate casters.



Replacement Tri-Lobal Adapters for MetroMax Q Wire Security Shelves

Model No. MTLA*
Four pair per bag.

*Not compatible with MetroMax Q security units manufactured prior to May 2009. For older MetroMax Q security units, use MQ9985 wedges if replacements are needed for the wire shelves.

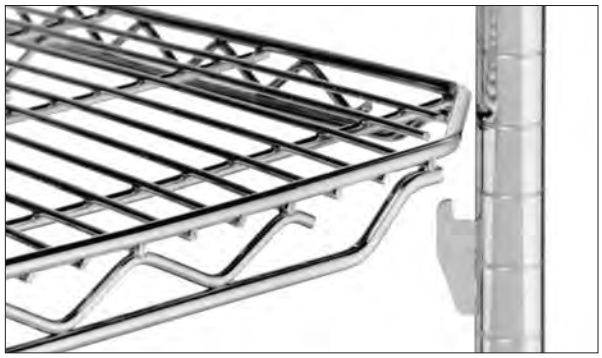
Optional Intermediate Shelves

i Shelf with Grid Mat Model No.	i Shelf with Solid Mat Model No.	Q Shelf with Grid Mat Model No.	Nominal Width (in.)	Nominal Width (mm)	Nominal Length (in.)	Nominal Length mm)
MX2436G	MX2436F	MQ2436G	24	610	36	914
MX2448G	MX2448F	MQ2448G	24	610	48	1219
MX2460G	MX2460F	MQ2460G	24	610	60	1524

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qwikSLOT™ Security Units

- **Add/Remove a Shelf Feature:** Allows the unit to be quickly adapted to fit your changing storage needs.
- **Shelves can easily be adjusted in seconds.**





Interior shelves pictured are optional and must be ordered separately.

Specifications

qwikSLOT Stationary Security

Model No. Chrome	Width (in.)	Width (mm)	Length (in.)	Length (mm)	Height (in.)	Height (mm)	Approx. Pkd. Wt. (lbs.)	Approx. Pkd. Wt. (kg)
SEC33CQ	21 1/2	546	38 1/2	980	66 13/16	1695	138	63
SEC35CQ	21 1/2	546	50 1/2	1283	66 13/16	1695	157	71
SEC53CQ	27 1/4	705	38 1/2	980	66 13/16	1695	154	70
SEC55CQ	27 1/4	705	50 1/2	1283	66 13/16	1695	174	79
SEC56CQ	27 1/4	705	62 1/2	1587	66 13/16	1695	195	89

qwikSLOT Mobile Security

Standard-Duty Stem Caster Models: feature 5" (127mm) swivel casters. Please note model numbers for specific caster types.

Model No. Chrome	Caster Type	Width (in.)	Width (mm)	Length (in.)	Length (mm)	Height (in.)	Height (mm)	Approx. Pkd. Wt. (lbs.)	Approx. Pkd. Wt. (kg)
SEC33ECQ	(2) 5MP/5MPB	21 1/2	546	40 3/4	1035	68 1/2	1740	146	66
SEC35ECQ	(2) 5MP/5MPB	21 1/2	546	52 3/4	1340	68 1/2	1740	165	75
SEC53DCQ	(4) 5MP	27 1/4	692	40 3/4	1035	68 1/2	1740	162	74
SEC55DCQ	(4) 5MP	27 1/4	692	52 3/4	1340	68 1/2	1740	182	83
SEC56DCQ	(4) 5MP	27 1/4	692	65	1651	68 1/2	1740	203	92
SEC53ECQ	(2) 5MP/5MPB	27 1/4	692	40 3/4	1035	68 1/2	1740	162	74
SEC55ECQ	(2) 5MP/5MPB	27 1/4	692	52 3/4	1340	68 1/2	1740	182	83
SEC56ECQ	(2) 5MP/5MPB	27 1/4	692	65	1651	68 1/2	1740	203	92

Casters: 5MP and 5MPB (with locking brake) feature a polyurethane tread. 5PC and 5PCB (with locking brake) casters feature a polymer horn and resist rusting. They are recommended for high moisture environments.

CAUTION: Large casters can create a tipping hazard. On 18" (457mm) security units, do not use casters larger than 5" (127mm) in diameter.

Heavy-Duty Models: feature aluminum dollies with wraparound bumpers and 5" (127mm) diameter casters.

Model No. Chrome	Caster Type	Width (in.)	Width (mm)	Length (in.)	Length (mm)	Height (in.)	Height (mm)	Approx. Pkd. Wt. (lbs.)	Approx. Pkd. Wt. (kg)
SEC53LCQ	(2) 5BP/5BPB	28 1/16	713	38 1/2	980	68 1/2	1740	187	85
SEC55LCQ	(2) 5BP/5BPB	28 1/16	713	50 1/2	1283	68 1/2	1740	210	95
SEC56LCQ	(2) 5BP/5BPB	28 1/16	713	63 1/8	1600	68 1/2	1740	235	107

Intermediate Shelves for Super Erecta Shelf Security Units

Model No. Chrome	Width (in.)	Width (mm)	Length (in.)	Length (mm)	Approx. Pkd. Wt. (lbs.)	Approx. Pkd. Wt. (kg)
1836QBR*	18	457	36	914	8 1/2	3.8
1848QBR*	18	457	48	1219	11 1/4	5.0
2436QBR*	24	610	36	914		
2448QBR*	24	610	48	1219		
2460QBR*	24	610	60	1524		

*Chrome qwikSLOT shelves available in sizes 18x36, 18x48, 24x36, and 24x48 (457x914, 457x1219, 610x914, 610x1219, and 610x1524).
**Drop Mat qwikSLOT shelves with 1" (25mm) ledge also available in sizes 24x36, 24x48 (610x914, 610x1219).

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SUPER ERECTA® SHELF

SECURITY MODULES

for Standard 24" (610mm) Wide Super Erecta Shelf Wire Units

- **Designed** to convert a standard 24" (610mm) wide unit into a combination of open and lockable shelving through the use of a kit.
- **Kit Includes:** Two end panels, one back panel and one door and slides. Fits between any two shelves spaced 20" (508mm) apart on any Super Erecta Shelf Wire Unit with 24" (610mm) wide shelves in 30", 48" and 60" (762, 1219 and 1524mm) lengths.
- **Versatile:** Security Modules enclose only one section of the shelving unit, leaving the rest open for conventional use. Depending upon your needs, more than one Security Module can be used on the same shelving unit.
- **Ready View of Contents:** As with Metro's Security Trucks and Stationary Security Units, the heavy-gauge, open-wire construction of the Security Module keeps its entire contents visible at all times, and makes inventory easy.
- **Convenient Door:** Has hasps for two padlocks and, when opened, slides under the upper shelf conveniently out of the way.
- **Durable Chrome-Plated Finish**

Note: Security Modules can be installed on 24" (610mm) wide Super Erecta Shelf wire shelves only.

When multiple security modules are stacked on one shelving unit, separate top and bottom shelves are still necessary for each module.





Two Security Modules on Stationary Unit

Specifications

Model No.	Description	Width (in.)	Width (mm)	Length (in.)	Length (mm)	Height (in.)	Height (mm)	Approx. Pkd. Wt. (lbs.)	Approx. Pkd. Wt. (kg)
SECM2430NC	Security Module	24	610	30	760	20	508	29 1/2	14
SECM2448NC	Security Module	24	610	48	1219	20	508	39 3/4	18
SECM2460NC	Security Module	24	610	60	1524	24	508	45 3/4	21

Note: Security Module consists of side panels, back panels and door. Posts and shelves sold separately.

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Job _____

SECURITY UNITS

UTILITY CARTS WITH SECURE STORAGE

Corrosion Proof Model in Stainless Steel



- **Corrosion Proof:** Features stainless steel wire and solid shelves, security module, and posts.
- **Easy to Maneuver:** Includes two 5MP swivel casters and two 5MPB swivel/brake casters.
- Solid top shelf with raised ship's edge is ideal for use as a work surface and can contain unwanted spills
- Easy assembly in minutes.

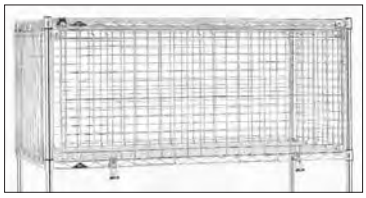
Model No.	Width (in.)	Width (mm)	Length (in.)	Length (mm)	Height (in.)	Height (mm)	Cart Load Rating (lbs.)	Cart Load Rating (kg)	Approx. Pkd. Wt. (lbs.)	Approx. Pkd. Wt. (kg)
SECMLAB	24	610	30	760	39	990	600	273	85	38.6

Other finishes and configurations are available:

Similar units can be constructed using chrome-plated components and galvanized solid Super Erecta shelves. Refer to the security modules on the previous page, and pair them with Metro SP series wire carts or your own combination of SES posts and shelves, for a customized solution. Security modules must be placed between two wire shelves.



+



Technical Information and Recommended Usage Guidelines: Security Units

- **Shelves:**
  - — Solid shelves cannot be used as the top or bottom shelf on a security unit. For those applications requiring a solid bottom surface, Super Erecta Shelf inlays are recommended.
  - — It is recommended that standard Super Erecta shelves are used for the top and bottom shelves on a Super Erecta security unit.
- **Security Enclosure Panels:**
  - — Grid spacing measures $1\frac{3}{4}$" x $1\frac{3}{4}$" (44 x 44mm).
  - — The distance from the top of the top shelf to the top of the bottom shelf measures approximately 57" (1448mm).
- **Mobile Units:**
  - — 18" (457mm) deep security units must be used with casters that have a diameter of 5" (127mm) or less.
  - — Order aluminum split sleeves with c-rings for use with the top and bottom SES shelves of a mobile unit for applications that require a more rigid assembly. (9986Z for aluminum sleeves with zinc c-rings; 9986S for aluminum sleeves with stainless c-rings)
- **Use with other Metro components:**
  - — Tray slides (15SNC, 20SNC) measure approximately 23" (584mm) in height. A standard security unit can accommodate 2 levels of these tray slides.
  - — Metro's brake/lock plate caster system can be used with 24" (610mm) deep security mobile units featuring a dolly base.
  - — Solid SES shelves can be used as interior shelves on a security unit. Wire shelves must be used as the top and bottom shelves.
  - — A push handle is available through Custom Engineering for the 24" (610mm) deep SES security units (subject to custom order minimums). Handle is available in chrome finish (Part # CC2835N).

All Metro Catalog Sheets are available on our Web Site: **www.metro.com**

InterMetro Industries Corporation
North Washington Street, Wilkes-Barre, PA 18705
Phone: 570-825-2741
Fax: 570-825-2852

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For Product Information:
U.S. and Canada: 1.800.433.2232
Latin America: 1.561.233.3824
Europe: +31.76.587.7550
Asia/Pacific +65.6
Middle East/Africa:

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Agreement # : Ag-5097 Page 316 3 2 9

Item # _____

Job _____

SUPER ERECTA®
qwikSLOT™ SHELVING

- **Reduce operating costs**
- **Improve efficiency**
- **Increase flexibility**



Benefits

Super Erecta qwikSLOT shelving is one of the most flexible and adjustable shelving systems available. Incorporating the strength and attractive look of the Super Erecta design, Super Erecta qwikSLOT shelving is the easiest system to assemble and adjust, designed to meet your changing needs.

- **Fast Adjustability:** The unique design of qwikSLOT shelving allows for the addition, removal, or adjustment of intermediate shelves easily in seconds, at 1" increments.
- **Versatile Construction:** Super Erecta qwikSLOT wire shelving can change as your needs change. Use any Super Erecta accessory to create the configuration best suited to your requirements. Shelves can be slanted for gravity flow or merchandising applications.
- **High-Density Storage:** Unique qwikSLOT drop mat shelves are available to maximize vertical storage density, increasing capacity as much as 20%.
- **Attractive:** Available in Super Erecta Brite, providing the look of chrome at less cost. Also available in black, white, smoked glass and 10 designer colors.

Features

- No tools required for assembly.
- Shelf rests securely on support clips. Raise shelf and move clips to desired post slot to reposition shelf.
- Shelf height can be adjusted in one inch increments.
- Shelves can be slanted.
- High density qwikSLOT Drop Mat shelves are available.
- Use any Super Erecta shelving accessory.
- Available in Super Erecta Brite™ finish, the look of chrome at less cost.
- Available in 3 standard and 10 designer colors.
- Optional casters can be added for mobile units.
- Each qwikSLOT shelf is rated at 300 lb. (135 kg) load capacity.

InterMetro Industries Corporation
North Washington Street
Wilkes-Barre, PA 18705
www.metro.com

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Dimensions

qwikSLOT™ Shelves

Width (in.)	Width (mm)	Length (in.)	Length (mm)	Approx. Pkd. Wt. (lbs.)	Approx. Pkd. Wt. (kg)	Cat. No. Super Erecta Brite	Cat. No. Chrome	Cat. No. Black	Cat. No. White	Cat. No. Smoked Glass	Cat. No. Designer Colors*
14	355	36	910	7.25	3.2	1436QBR	1436QC	1436QBL	1436QW	1436Q-DSG	1436Q-D
14	355	48	1220	9.75	4.3	1448QBR	1448QC	1448QBL	1448QW	1448Q-DSG	1448Q-D
18	455	36	910	8.5	3.8	1836QBR	1836QC	1836QBL	1836QW	1836Q-DSG	1836Q-D
18	455	48	1220	11.25	5.0	1848QBR	1848QC	1848QBL	1848QW	1848Q-DSG	1848Q-D
18	455	60	1525	17.0	8.6	1860QBR	—	—	—	—	—
21	530	36	910	10.75	4.8	2136QBR	2136QC	2136QBL	2136QW	2136Q-DSG	2136Q-D
21	530	48	1220	13.25	5.9	2148QBR	2148QC	2148QBL	2148QW	2148Q-DSG	2148Q-D
21	530	60	1525	16.0	7.5	2160QBR	—	—	—	—	—
24	610	36	910	12.25	5.5	2436QBR	2436QC	2436QBL	2436QW	2436Q-DSG	2436Q-D
24	610	48	1220	15.25	6.8	2448QBR	2448QC	2448QBL	2448QW	2448Q-DSG	2448Q-D
24	610	60	1525	21.00	9.5	2460QBR	—	—	—	—	—

Important Notes:
Note 1. A typical unit will incorporate 4 qwikSLOT posts, at least 2 standard Super Erecta shelves (one at the top and bottom ot unit) and as many qwikSLOT shelves as desired between the top and bottom shelf.
Note 2. A qwikSLOT shelf is rated at 300 lbs. (135 kg) per shelf. A typical qwikSLOT unit is rated at 800 lbs. (375 kg) capacity per unit. For higher unit capacities, an intermediate standard Super Erecta shelf must be installed approximately at mid-height on the unit.
Note 3. Mobile Applications: All mobile applications require an intermediate standard Super Erecta shelf installed approximately at mid-height on the unit.

qwikSLOT™ Posts

Height† (in.)	Height† (mm)	Approx. Pkd. Wt. (lbs.)	Approx. Pkd. Wt. (kg)	Cat. No. Super Erecta Brite	Cat. No. Black	Cat. No. White	Cat. No. Smoked Glass	Cat. No. Designer Colors*
34 1/2	875	2	0.9	33PQ	33PQBL	33PQW	33PQ-DSG	33PQ-D
54 9/16	1385	3	1.4	54PQ	54PQBL	54PQW	54PQ-DSG	54PQ-D
62 9/16	1590	3 1/2	1.6	63PQ	63PQBL	63PQW	63PQ-DSG	63PQ-D
74 5/8	1895	4	1.8	74PQ	74PQBL	74PQW	74PQ-DSG	74PQ-D
86 5/8	2200	5	2.3	86PQ	86PQBL	86PQW	86PQ-DSG	86PQ-D

† Height includes leveling bolt and cap.

qwikSLOT™ Posts for Stem Casters

Height† (in.)	Height† (mm)	Approx. Pkd. Wt. (lbs.)	Approx. Pkd. Wt. (kg)	Cat. No. Plated	Cat. No. Black	Cat. No. White	Cat. No. Smoked Glass	Cat. No. Designer Colors*
33 7/8	861	2	0.9	33UPQ	33UPQBL	33UPQW	33UPQ-DSG	33UPQ-D
54	1370	3	1.4	54UPQ	54UPQBL	54UPQW	54UPQ-DSG	54UPQ-D
62	1575	3 1/2	1.6	63UPQ	63UPQBL	63UPQW	63UPQ-DSG	63UPQ-D
74	1880	4	1.8	74UPQ	74UPQBL	74UPQW	74UPQ-DSG	74UPQ-D
86	2185	5	2.3	86UPQ	86UPQBL	86UPQW	86UPQ-DSG	86UPQ-D

These posts come without leveling bolt assembly to accommodate stem casters.

Top/Bottom Shelves (Standard Super Erecta®)

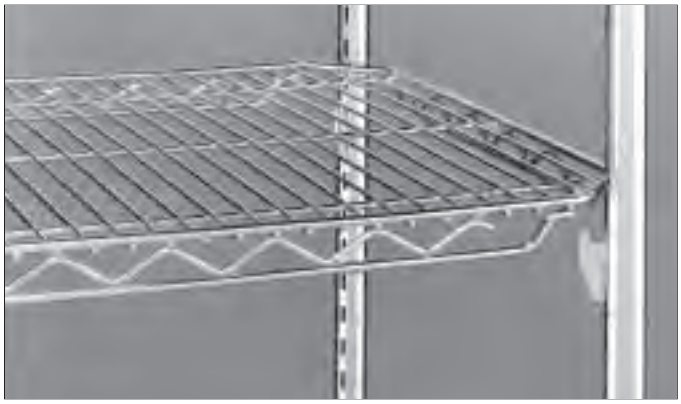
Width (in.)	Width (mm)	Length (in.)	Length (mm)	Approx. Pkd. Wt. (lbs.)	Approx. Pkd. Wt. (kg)	Cat. No. Super Erecta Brite	Cat. No. Chrome	Cat. No. Black	Cat. No. White	Cat. No. Smoked Glass	Cat. No. Designer Colors*
14	355	36	910	8	3.6	1436BR	1436NC	1436NBL	1436NW	1436N-DSG	1436N-D
14	355	48	1220	10 1/2	4.7	1448BR	1448NC	1448NBL	1448NW	1448N-DSG	1448N-D
18	455	36	910	9 1/2	4.3	1836BR	1836NC	1836NBL	1836NW	1836N-DSG	1836N-D
18	455	48	1220	12	5.4	1848BR	1848NC	1848NBL	1848NW	1848N-DSG	1848N-D
18	455	60	1525	17	7.7	1860BR	1860NC	1860NBL	1860NW	1860N-DSG	1860N-D
21	530	36	910	11	5.0	2136BR	2136NC	2136NBL	2136NW	2136N-DSG	2136N-D
21	530	48	1220	14	6.4	2148BR	2148NC	2148NBL	2148NW	2148N-DSG	2148N-D
21	530	60	1525	18	8.2	2160BR	2160NC	2160NBL	2160NW	2160N-DSG	2160N-D
24	610	36	910	13	5.9	2436BR	2436NC	2436NBL	2436NW	2436N-DSG	2436N-D
24	610	48	1220	16	7.3	2448BR	2448NC	2448NBL	2448NW	2448N-DSG	2448N-D
24	610	60	1525	21	9.5	2460BR	2460NC	2460NBL	2460NW	2460N-DSG	2460N-D

Important Notes:
Note 1. With 14" (355mm) shelving, foot plates must be used on freestanding units; on mobile units, maximum post height is 54" (1370mm).
Note 2. 14" (455mm) wide shelving is not recommended for use with posts higher than 74" (1880mm).

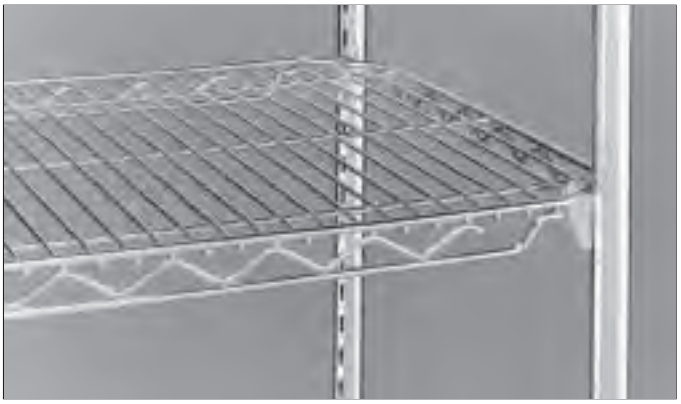
* When ordering special colors, add the appropriate suffix from the following list after the "D" at the end of the
Hunter Green — HG Copper Hammertone — CH Flame — F Teal — TE
Silver Hammertone — SH Ruby — R Sapphire — SP Wine — W

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Posts are slotted at 1" (25mm) increments to accommodate clips.



Shelf rests securely on clips. Simply raise shelf and move clips to desired slot to reposition shelf.



Standard qwikSLOT Shelving

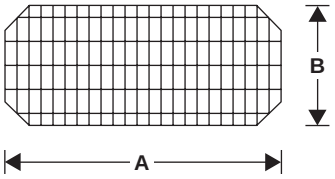


Mobile Application
Super Erecta stem casters can be added to a unit to provide mobility. All mobile applications require a standard Super Erecta shelf to be installed approximately mid-height on the unit.

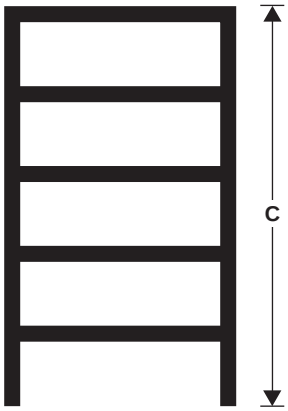
Job _____

Super Erecta®
qwikSLOT™ SHELVING

Dimensions



PLAN



ELEVATION

A = Nominal shelf length.

B = Nominal shelf width. (The actual length of the shelves is 1/8" shorter than the nominal dimension shown)

C = Post No.	(in.)	(mm)
33PQ		
54PQ	54 9/16	1385
63PQ	62 9/16	1590
74PQ	74 5/8	1895
86PQ	86 5/8	2200

Specifications

1. General: Storage system shall be the type commercially designated as Super Erecta qwikSLOT, manufactured by InterMetro Industries Corporation.

2. Materials: Shelves shall be made of: a) carbon steel, Super Erecta Brite zinc chromate finish, with a final clear coating; b) nickel-chrome finish with a final clear coating; c) epoxy coated in a Metro standard or designer color.

3. Shelves: The shelves have corrugated reinforcing on all four sides. The front and back reinforcing members consist of a 1/4" diameter wire upper rib; another 1/4" diameter wire parallel rib located approximately 1 5/16" below it, and a corrugated truss of either #7 gauge or #5 gauge wire, depending on shelf size, placed between the two 1/4" diameter wires on the bottom. The construction of the two side reinforcing members are similar with the exceptions that the bottom 1/4" diameter wire is 1 3/16" below the top wire and that the corrugated truss is alternately welded directly to the 1/4" diameter wires. Depending on the width and length of the shelf it may have corrugated reinforcing in the interior of the shelf running the length of the shelf. On the 14" and 18" width in lengths of 60" and 72"; on the 21" width in lengths of 24", 30", 36", 42", 48", 60" and 72" and on the 24" width in lengths of 24", 30", 36", 42", 48", and 60" — all have one interior member. On the 24" width in the length of 72" there are two interior members. These interior members consist of the #6 gauge support rib previously mentioned with a 1/4" diameter wire parallel rib located approximately 1 5/32" below it, and a corrugated truss of either #7 gauge or #5 gauge wire, depending on shelf size, placed between the #6 gauge and the 1/4" diameter wire and alternately welded to them.

4. Posts: The vertical support posts are 1" outside diameter. They are ringed with rolled grooves 1" apart along their length. They have a key slot hole 1" apart between each rolled groove. The top of the post is capped with a plastic closure, and at the base of the post, for stationary applications, there is a cast foot with an adjustable bolt.

5. Assembly Method: No tools are required for assembly. For qwikSLOT shelves, a shelf support clip is installed in the desired key slot on each post. The given shelf rests securely in the support clips. For standard Super Erecta Shelves, assembly consists of a tapered sleeve which, when snapped around a post at the desired shelf location, creates a fastening effect between an internal bead in the tapered sleeve and the groove in the post. The remittent tapered surface is contacted by the matching tapered surface within each shelf corner, with increasing shelf loads adding to the securing effect.

Manufactured by:

InterMetro Industries Corporation
North Washington Street, Wilkes-Barre, PA 18705
Phone: 570-825-2741 • Fax: 570-825-2852
For Product Information Call: 1-800-433-2232
Visit Our Web Site: www.metro.com

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EQUIPMENT SPEC BOOK

06/01/2015

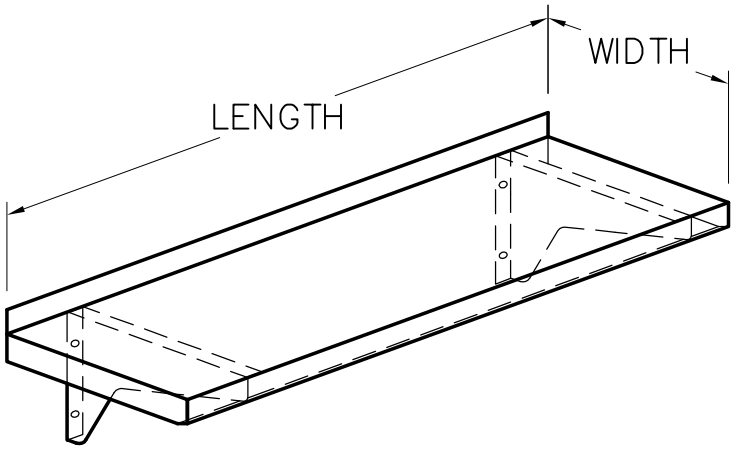
ITEM# 138 - SHELF, SINGLE WALL MOUNT (1 EA REQ'D)

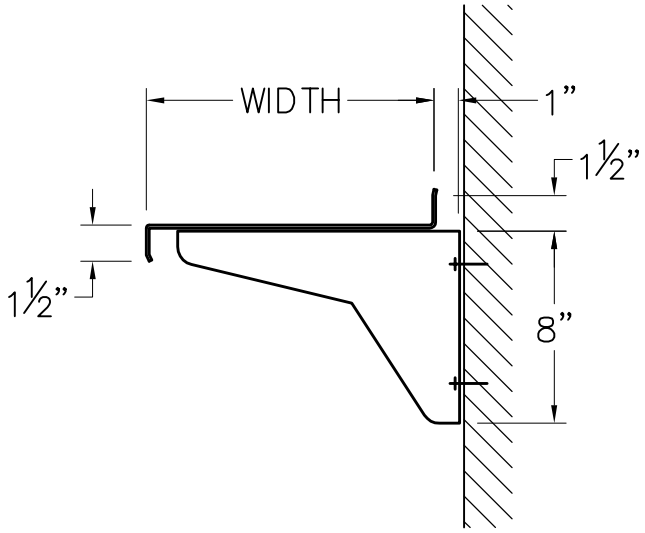
S/S Fab CSTM01

All Stainless Single Wall Shelf, brackets, APPROX 12x90, per plan

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WALL MOUNT SHELF





NOTES

16 ga. S/S shelf and brackets

Example drawings only, refer to plans for actual dimensions

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EQUIPMENT SPEC BOOK

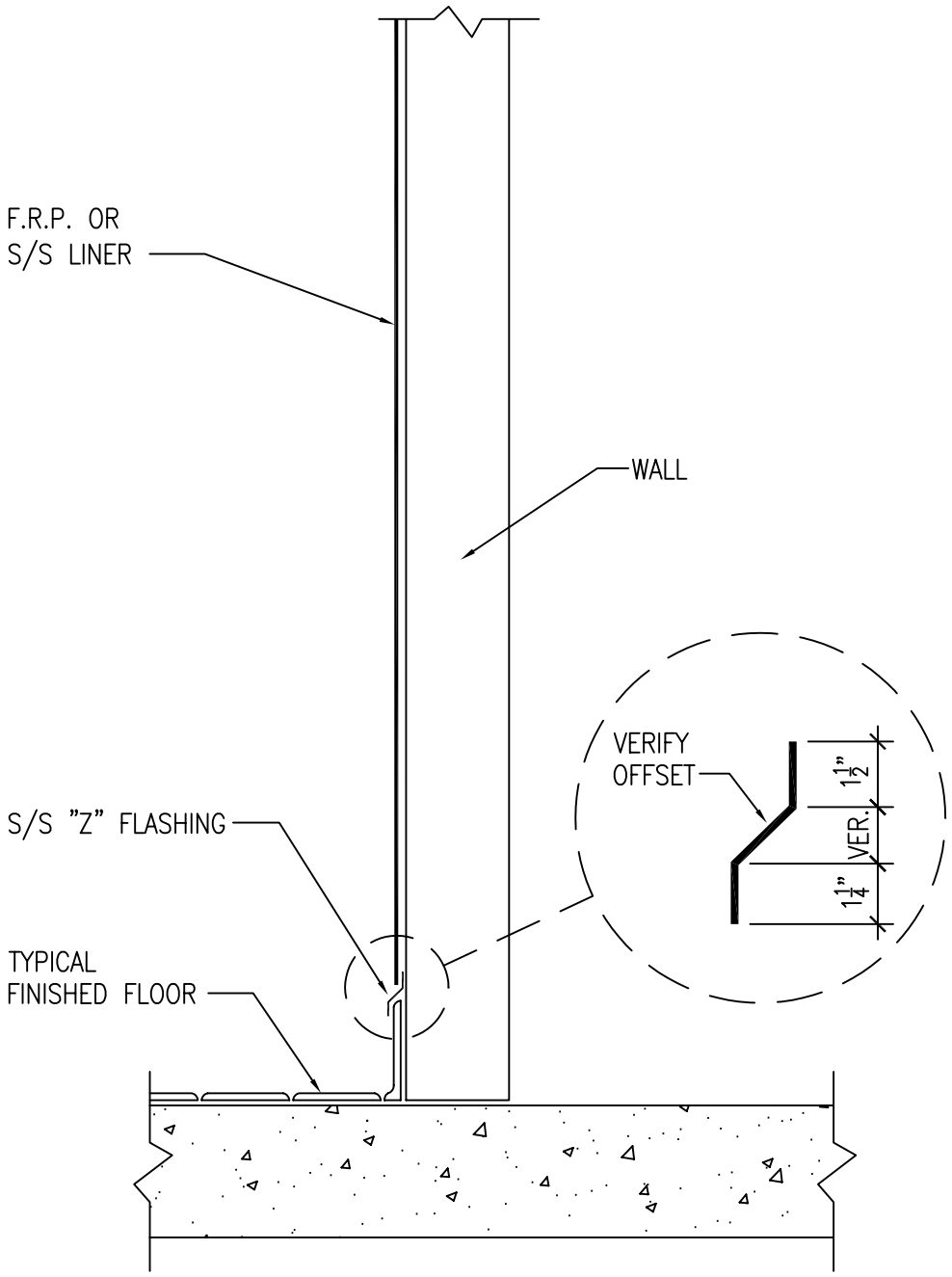
06/01/2015

ITEM# 139 - WALL LINING (1 EA REQ'D)

S/S Fab CSTM26

All Stainless Flat Wall Lining Panels, BEHIND POT WASH AREA, with coved base Z style flashing at bottom of panels, APPROX 22RF X 96"H, per plan

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TYPICAL WALL LINING DETAIL w/ "Z" FLASHING

N.T.S.

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EQUIPMENT SPEC BOOK

06/01/2015

ITEM# 140 - DISH CART (6 EA REQ'D)

Metro PCD11A

Poker Chip Dish Dolly, 26-5/8"W x 26-5/8"D x 31-15/16"H, adjustable, dish size 4-1/4" to 11-3/4", removable dividers & towers, two-handed access, recessed handles, 5" dia. swivel casters with neoprene wheels (two with brakes), chip-resistant polymer shell with Microban antimicrobial protection, aesthetic blue, vinyl dust/water splash cover, NSF

<>

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Item # _____

Job _____

ADJUSTABLE POLYMER "POKER CHIP" DISH DOLLY
PCD SERIES

Adjustable:
- Metro's Adjustable Poker Chip Dish Dolly is perfect for holding multiple size dishes — anything from small 4 1/4-inch dishes to 11 3/4-inch dinner plates and platters.
- Easy one-handed adjustments on the underside of the dolly allows for flexibility and maximum loading density.

Maneuverable:
- Four recessed handles make it easy to maneuver in and out of tight areas and saves space. The compact design allows for maximum space utilization and convenient under counter storage.
- Four 5" (127mm) diameter swivel casters (two with brakes) with neoprene wheels provide for easy maneuverability and positioning.

Two-Handed Access:
- Unique design allows fast, safe and easy two-handed access to all dish columns. Minimize dish breakage and easily load and unload dishes.

Durable Construction:
- Sturdy polymer construction is extremely safe for dishes, easy to clean, and is resistant to cracking, peeling or chipping.

Sanitary:
- Dividers and tower are removable to facilitate cleaning.
- Smooth, rounded corners and seamless cart surfaces eliminate cracks and crevices and simplify cleaning.
- Built-in drain holes promote cleanability and eliminates the possibility of water build up.
- Dishes are stored 12" (305mm) above the floor surface, minimizing dust and water marks from floor dirt and splashing.
- Included translucent vinyl cover protects clean dishes from dust and water splashes while in storage and allows workers to view contents without removing the cover.
- NSF Listed.

Microban® Antimicrobial Product Protection:
- Cart body has built-in *Microban® Antimicrobial Product Protection which inhibits the growth of bacteria, mold, mildew, and fungi that cause odors, stains, and product degradation.



PCD11A



PCD11A

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InterMetro Industries Corporation
North Washington Street
Wilkes-Barre, PA 18705
www.metro.com

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Job _____

ADJUSTABLE POLYMER "POKER CHIP" DISH DOLLY PCD SERIES

Specifications

Material: High-density polymer containing Microban Antimicrobial product protection.

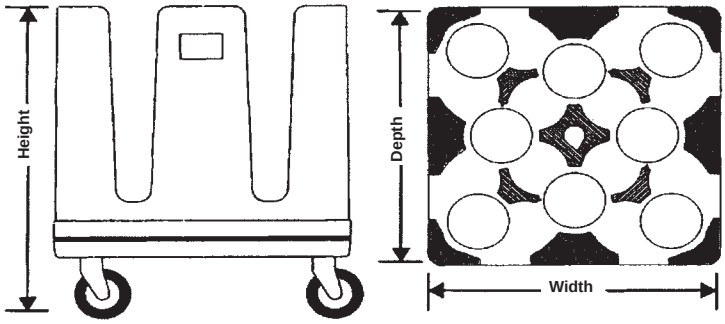
Construction: Seamless, molded polymer construction, equipped with handgrips on all four sides.

Casters: Four B5DN swivel casters (two with brakes). Ball bearing swivel; ball bearing axle. Nickel-plated, pre-lubricated casters with neoprene tires. Casters are bolted to an internal metal support plate.

Protective Cover: Standard heavy-duty 6-mil vinyl cover.

Standard Unit: Four dividers, center column and protective cover provided with each dolly.

Plate Sizes 5½"-6⅜"
8 Columns (40 Per)
***Capacity = 320**



Dimensions

Model No.	Height (in.)	Height (mm)	Width (in.)	Width (mm)	Depth (in.)	Depth (mm)	Approx. Pkd. Wt. (lbs.)	Approx. Pkd. Wt. (kg)
PCD11A	31 15/16	812	26 5/8	677	26 5/8	677	65	30

Accessories

Model No.	Description
AD11A	4 Additional Dividers
PCDV11A	Additional Cover

Loading capacity depends upon china shape and thickness. Usable column height is 20" (508mm).

SAMPLE CONFIGURATIONS (Standard Unit)

Plate Sizes 6½"-7⅜"
8 Columns
***Capacity = 320**

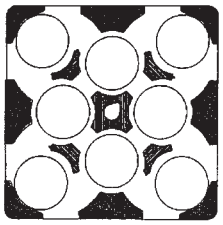


Plate Sizes 7½"-8½"
5 Columns (60 Per)
***Capacity = 300**

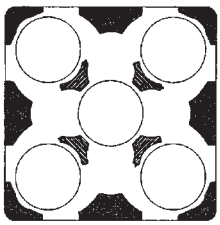


Plate Sizes 8⅝"-9½"
4 Columns (60 Per)
***Capacity = 240**

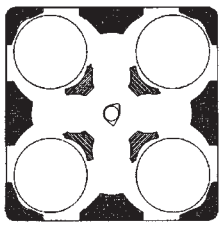
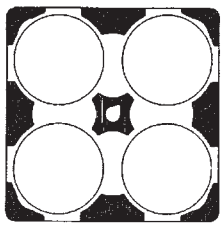


Plate Sizes 9⅝"-11¾"
4 Columns (60 Per)
***Capacity = 240**



SAMPLE CONFIGURATIONS (Accessory Dividers Required)

Plate Sizes 4¼"-4⅝"
16 Columns (40 Per)
***Capacity = 640**

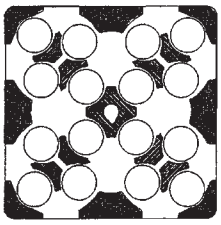
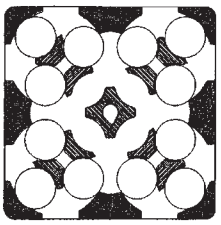
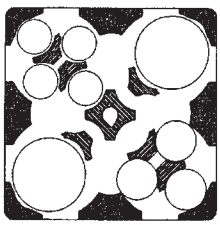


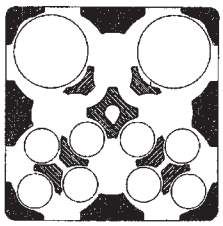
Plate Sizes 4¾"-5⅜"
12 Columns (40 Per)
***Capacity = 480**



4 Columns (40 Per) 4¼"-4⅝"
2 Columns (60 Per) 7½"-9½"
3 Columns (40 Per) 4¾"-5⅜"



8 Columns (40 Per) 4¼"-4⅝"
2 Columns (60 Per) 7½"-9½"



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InterMetro Industries Corporation
North Washington Street, Wilkes-Barre, PA 18705
Phone: 570-825-2741 • Fax: 570-825-2852
For Product Information Call: 1-800-433-2232

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2-100A v. 4/08
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EQUIPMENT SPEC BOOK

06/01/2015

ITEM# 141 - WIRE SHELVING (8 EA REQ'D)

Metro 2160BR

Super Erecta® Shelf, wire, 60"W x 21"D, Bright (zinc) finish, plastic split sleeves are included in each carton, NSF

ACCESSORIES

Mfr	Qty	Model	Spec
Metro	8	74UP	Super Erecta® Post, 74"H, for use with stem casters, chrome plated finish
Metro	8	5MB	Super Erecta® Stem Caster, brake (foot operated), 5" diameter, 1-1/4" face, resilient wheel tread, 200 lb. capacity, brakes are foot operated
Metro	8	5MR	Super Erecta® Stem Caster, rigid, 5" diameter, 1-1/4" face, resilient wheel tread, 200 lb. capacity

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Item # _____

Job _____

SUPER ERECTA SHELF®

WIRE SHELVING

- **Unique Design:** The open wire design of these shelves minimizes dust accumulation and allows free circulation of air, greater visibility of stored items and greater light penetration.
- **Durable Construction:** Super Erecta shelves and posts are constructed of heavy-gauge carbon steel or Type 304 stainless steel.
- **Choice of Finishes:** Super Erecta Brite™ and chrome-plated for dry storage; Metroseal 3™ with Microban® antimicrobial product protection and stainless steel for corrosive environments; and attractive epoxy color options for merchandising applications.
- **Versatile:** Super Erecta Shelf® wire shelving can adapt to your changing needs. By using various accessories, hundreds of shelving configurations become possible.
- **Fast, Secure Assembly:** SiteSelect™ Posts have a double groove visual guide feature every 8" (203mm), circular grooves at 1" (25mm) increments, and are numbered at 2" (50mm) intervals. A patented, tapered split sleeve snaps together around each post. Tapered openings in the shelf corners slide over the tapered split sleeves providing a positive lock. Shelf is assembled in minutes without the use of any special tools.
- **Adjustability:** Shelves can be adjusted at 1" (25mm) intervals along the entire length of the post.
- **Shelf Ribs:** Run front to back, allowing you to slide items on and off shelves smoothly.
- **Shelf Accessibility:** Shelves can be loaded/unloaded easily from all sides This open construction allows maximum use of storage cube.
- **Adjustable Feet:** Bolt levelers compensate for surface irregularities.

Note: Stainless stationary posts are equipped with stainless steel leveling feet.



NSF

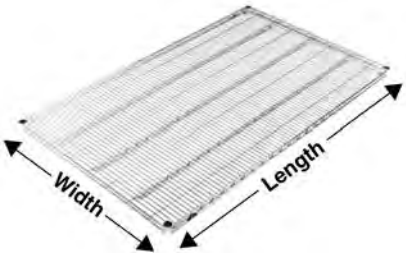


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Wire Shelves





Split Sleeve



Aluminum Split Sleeve

- **Metroseal 3:** Metro's proprietary epoxy coating contains Microban® antimicrobial product protection. Microban antimicrobial protects the epoxy coating from bacteria, mold, mildew, and fungus that cause odors, stains, and product degradation.
- See spec sheet 10.14 for epoxy color options.
- Plastic split sleeves are included with each shelf
  Replacements are available: Cat. No. 9985 (bag of 4)
- Aluminum split sleeves are recommended for abusive mobile applications and autoclave applications.
  Cat. No. 9986Z (bag of 4 with zinc C-rings)
  Cat. No. 9986S (bag of 4 with stainless steel C-rings)
- Load capacity (evenly distributed) per shelf
  Depths: 14" to 24" (355 to 610mm)
  800 lbs. (363kg) for lengths of 18" to 48" (457 to 1219mm)
  600 lbs. (272kg) for lengths of 54" (1370mm) or longer
- Load capacity (evenly distributed) per unit.
  Stationary shelving units have a maximum load capacity (evenly distributed) of 2,000 lbs. (907kg)
  Mobile units have a maximum capacity of three times the caster load rating up to but not exceeding 1,000 lbs. (453kg) total. Consult the Metro catalog for caster load ratings
- SUPER ERECTA SHELF meets Government Specifications MIL-S-40144E.

Model No. Super Erecta Brite	Model No. Chrome	Model No. Metroseal 3 with Microban®	Model No. Stainless	Nominal Width/Length (in.)	(mm)	Approx. Pkd. Wt. (lbs.)	(kg)
1424BR	1424NC	1424NK3	1424NS	14x24	355x610	6	2.7
1430 BR	1430NC	1430NK3	1430NS	14x30	355x760	7	3.2
1436BR	1436NC	1436NK3	1436NS	14x36	355x914	8	3.6
1442BR	1442NC	1442NK3	1442NS	14x42	355x1066	9 1/2	4.3
1448BR	1448NC	1448NK3	1448NS	14x48	355x1219	10 1/2	4.7
1460BR	1460NC	1460NK3	1460NS	14x60	355x1524	14	6.3
1472BR	1472NC	1472NK3	1472NS	14x72	355x1829	17	7.7
1824BR	1824NC	1824NK3	1824NS	18x24	457x610	7	3.2
1830BR	1830NC	1830NK3	1830NS	18x30	457x760	8	3.6
1836BR	1836NC	1836NK3	1836NS	18x36	457x914	9 1/2	4.3
1842BR	1842NC	1842NK3	1842NS	18x42	457x1066	11	5.0
1848BR	1848NC	1848NK3	1848NS	18x48	457x1219	12	5.4
1854BR	1854NC	1854NK3	1854NS	18x54	457x1370	14 1/2	6.6
1860BR	1860NC	1860NK3	1860NS	18x60	457x1524	17	7.7
1872BR	1872NC	1872NK3	1872NS	18x72	457x1829	20	9.1
2124BR	2124NC	2124NK3	2124NS	21x24	530x610	8	3.6
2130BR	2130NC	2130NK3	2130NS	21x30	530x760	9	4.1
2136BR	2136NC	2136NK3	2136NS	21x36	530x914	11	5.0
2142BR	2142NC	2142NK3	2142NS	21x42	530x1066	12	5.4
2148BR	2148NC	2148NK3	2148NS	21x48	530x1219	14	6.4
2154BR	2154NC	2154NK3	2154NS	21x54	530x1370	16	7.3
2160BR	2160NC	2160NK3	2160NS	21x60	530x1524	18	8.2
2172BR	2172NC	2172NK3	2172NS	21x72	530x1829	24	10.9
2424BR	2424NC	2424NK3	2424NS	24x24	610x610	9	4.1
2430BR	2430NC	2430NK3	2430NS	24x30	610x760	11	5.0
2436BR	2436NC	2436NK3	2436NS	24x36	610x914	13	5.9
2442BR	2442NC	2442NK3	2442NS	24x42	610x1066	15	6.8
2448BR	2448NC	2448NK3	2448NS	24x48	610x1219	16	7.3
2454BR	2454NC	2454NK3	2454NS	24x54	610x1370	19	8.6
2460BR	2460NC	2460NK3	2460NS	24x60	610x152		9.5
2472BR	2472NC	2472NK3	2472NS	24x72	610x182		1.8

Note: 14" (355mm) deep units.
Free-standing units: floor plates should be used and secured to the floor.
Mobile units: maximum allowable post height is 54" (1370mm).

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SiteSelect™ Posts

Stationary Posts

Stationary posts are equipped with a leveling bolt to account for uneven floors.

- Height includes leveling bolt (completely tightened) and post cap Leveling bolt can be adjusted 1/2" (13mm).
- Foot plates may be ordered separately and installed in place of leveling foot.
- Replacement leveling bolts
  Zinc Cat. No. RPF04-004 Stainless Steel Cat. No. RPF04-004C
- Replacement post cap for standard posts
  Black Cat. No. RPC06-035



SiteSelect Posts feature double grooves every 8" (203mm) to aid assembly.

Model No. Chrome	Model No. Metroseal 3 with Microban	Model No. Stainless Steel	Height (in.)	Height (mm)	Approx. Pkd. Wt. (lbs.)	Approx. Pkd. Wt. (kg)
7P			7 3/8	187	1/2	0.3
13P	13PK3	13PS	14 3/8	365	1	0.5
27P		27PS	28 3/8	720	1 3/4	0.75
33P	33PK3	33PS	34 3/8	873	2	0.9
54P	54PK3	54PS	54 7/16	1382	3	1.4
63P	63PK3	63PS	62 7/16	1585	3 1/2	1.6
74P	74PK3	74PS	74 1/2	1892	4	1.8
86P	86PK3	86PS	86 1/2	2197	5	2.3
*96P			96 1/2	2450	5 1/2	2.5

*96P should not be used on units less than 24" (610mm) deep. Consult Metro Engineering for alternate recommendations.

Mobile Posts (For use with Stem Casters)

- Height includes post cap.

Model No. Chrome	Model No. Metroseal 3 with Microban	Model No. Stainless Steel	Height (in.)	Height (mm)	Approx. Pkd. Wt. (lbs.)	Approx. Pkd. Wt. (kg)
27UP		27UPS	27 3/4	704	1 3/4	0.75
33UP	33UPK3	33UPS	33 3/4	857	2	0.9
54UP	54UPK3	54UPS	53 13/16	1366	3	1.4
63UP	63UPK3	63UPS	61 13/16	1570	3 1/2	1.6
	70UPK3		69 3/4	1771	3 3/4	1.7
74UP	74UPK3	74UPS	73 7/8	1876	4	1.8
86UP	86UPK3	86UPS	85 7/8	2181	4 1/2	2.0

Staked Posts (For use with Truck Dollies)

- Each post connects to the truck dolly through the stem receptacle. The stem receptacle is staked into the bottom of the post to ensure a durable connection in abusive mobile applications.
- Each includes a leveling/connecting bolt.

Model No. Chrome	Model No. Stainless Steel	Height (in.)	Height (mm)	Approx. Pkd. Wt. (lbs.)	Approx. Pkd. Wt. (kg)
54P-STKD	54PS-STKD	54 7/16	1382	3	1.4
63P-STKD	63PS-STKD	62 7/16	1585	3 1/2	1.6
74P-STKD	74PS-STKD	74 1/2	1892	4	1.8

Swedged Posts (For use with Stem Casters in Cart Wash Applications)

- Each post has an aluminum cap swedged into the top of the post.

Model No. Stainless Steel	Height (in.)	Height (mm)	Approx. Pkd. Wt. (lbs.)	Approx. Pkd. Wt. (kg)
33UPS-SW	33 3/4	857	2	0.9
54UPS-SW	53 13/16	1366	3	1.4
63UPS-SW	61 13/16	1570	3 1/2	1.6

Special Length Posts

Special length cut posts are available. Consult your Metro[illegible] for more[illegible]

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Job _____

SUPER ERECTA SHELF®
WIRE SHELVING

Super Wide Shelving

- **High-density Storage:** Super Wide™ shelves have a greater storage area for holding large quantities of supplies, especially large, bulky objects, providing maximum storage in minimum space.
- **Load Capacity** (evenly distributed) per shelf:
  Depths: 30" and 36" (760 and 914mm)

  600 lbs. (272kg) for lengths 48" (1219mm) or shorter.

  400 lbs. (181kg) for lengths 54" (1370mm) or longer.



Model No. Chrome	Model No. Metroseal 3 with Microban	Model No. Stainless Steel	Nominal Width/Length (in.)	(mm)	Approx. Pkd. Wt. (lbs.)	(kg)
3036NC	3036NK3	3036NS	30x36	760x914	15	6.8
3048NC	3048NK3	3048NS	30x48	760x1219	21	9.5
3060NC	3060NK3	3060NS	30x60	760x1524	26 1/2	11.8
3072NC	3072NK3	3072NS	30x72	760x1829	31	14.0
3636NC	3636NK3	3636NS	36x36	910x914	18	8.2
3648NC	3648NK3	3648NS	36x48	910x1219	23	10.4
3660NC	3660NK3	3660NS	36x60	910x1524	29	13.1
3672NC	3672NK3	3672NS	36x72	910x1829	34 1/2	15.4

Foot Plates

- Use to bolt units to the floor, or when a broader, more stable foot is desired. Foot plates also help to protect floors by distributing the point load of the shelving unit across a larger contact point.
- Foot plates (completely tightened) add 1/8" (3mm) to the specified heights of each stationary post on the table.
  Zinc Cat. No. 9993Z
  Stainless Steel Cat. No. 9993S



"S" Hook

- Used to add on shelving units with only two posts required. Order two per shelf level.
  Cat. No. 9995Z



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Phone: 570-825-2741
Fax: 570-825-2852

For Product Information:
U.S. and Canada: 1.800.433.2232
Latin America: 1.561.533.3824
Europe: +31.76.587.7550
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Item # _____

Job _____

SUPER ERECTA SHELF®

WIRE SHELVING

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- **Adjustable Feet:** Bolt levelers compensate for surface irregularities.

Note: Stainless stationary posts are equipped with stainless steel leveling feet.



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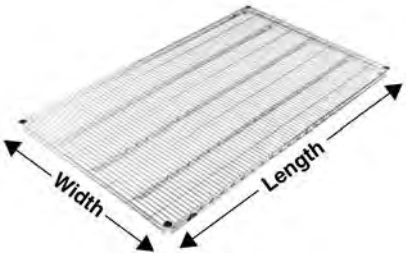


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Wire Shelves





Split Sleeve



Aluminum Split Sleeve

- **Metroseal 3:** Metro's proprietary epoxy coating contains Microban® antimicrobial product protection. Microban antimicrobial protects the epoxy coating from bacteria, mold, mildew, and fungus that cause odors, stains, and product degradation.
- See spec sheet 10.14 for epoxy color options.
- Plastic split sleeves are included with each shelf
  Replacements are available: Cat. No. 9985 (bag of 4)
- Aluminum split sleeves are recommended for abusive mobile applications and autoclave applications.
  Cat. No. 9986Z (bag of 4 with zinc C-rings)
  Cat. No. 9986S (bag of 4 with stainless steel C-rings)
- Load capacity (evenly distributed) per shelf
  Depths: 14" to 24" (355 to 610mm)
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  600 lbs. (272kg) for lengths of 54" (1370mm) or longer
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  Mobile units have a maximum capacity of three times the caster load rating up to but not exceeding 1,000 lbs. (453kg) total. Consult the Metro catalog for caster load ratings
- SUPER ERECTA SHELF meets Government Specifications MIL-S-40144E.

Model No. Super Erecta Brite	Model No. Chrome	Model No. Metroseal 3 with Microban®	Model No. Stainless	Nominal Width/Length (in.)	(mm)	Approx. Pkd. Wt. (lbs.)	(kg)
1424BR	1424NC	1424NK3	1424NS	14x24	355x610	6	2.7
1430 BR	1430NC	1430NK3	1430NS	14x30	355x760	7	3.2
1436BR	1436NC	1436NK3	1436NS	14x36	355x914	8	3.6
1442BR	1442NC	1442NK3	1442NS	14x42	355x1066	9 1/2	4.3
1448BR	1448NC	1448NK3	1448NS	14x48	355x1219	10 1/2	4.7
1460BR	1460NC	1460NK3	1460NS	14x60	355x1524	14	6.3
1472BR	1472NC	1472NK3	1472NS	14x72	355x1829	17	7.7
1824BR	1824NC	1824NK3	1824NS	18x24	457x610	7	3.2
1830BR	1830NC	1830NK3	1830NS	18x30	457x760	8	3.6
1836BR	1836NC	1836NK3	1836NS	18x36	457x914	9 1/2	4.3
1842BR	1842NC	1842NK3	1842NS	18x42	457x1066	11	5.0
1848BR	1848NC	1848NK3	1848NS	18x48	457x1219	12	5.4
1854BR	1854NC	1854NK3	1854NS	18x54	457x1370	14 1/2	6.6
1860BR	1860NC	1860NK3	1860NS	18x60	457x1524	17	7.7
1872BR	1872NC	1872NK3	1872NS	18x72	457x1829	20	9.1
2124BR	2124NC	2124NK3	2124NS	21x24	530x610	8	3.6
2130BR	2130NC	2130NK3	2130NS	21x30	530x760	9	4.1
2136BR	2136NC	2136NK3	2136NS	21x36	530x914	11	5.0
2142BR	2142NC	2142NK3	2142NS	21x42	530x1066	12	5.4
2148BR	2148NC	2148NK3	2148NS	21x48	530x1219	14	6.4
2154BR	2154NC	2154NK3	2154NS	21x54	530x1370	16	7.3
2160BR	2160NC	2160NK3	2160NS	21x60	530x1524	18	8.2
2172BR	2172NC	2172NK3	2172NS	21x72	530x1829	24	10.9
2424BR	2424NC	2424NK3	2424NS	24x24	610x610	9	4.1
2430BR	2430NC	2430NK3	2430NS	24x30	610x760	11	5.0
2436BR	2436NC	2436NK3	2436NS	24x36	610x914	13	5.9
2442BR	2442NC	2442NK3	2442NS	24x42	610x1066	15	6.8
2448BR	2448NC	2448NK3	2448NS	24x48	610x1219	16	7.3
2454BR	2454NC	2454NK3	2454NS	24x54	610x1370	19	8.6
2460BR	2460NC	2460NK3	2460NS	24x60	610x152		9.5
2472BR	2472NC	2472NK3	2472NS	24x72	610x182		1.8

Note: 14" (355mm) deep units.
Free-standing units: floor plates should be used and secured to the floor.
Mobile units: maximum allowable post height is 54" (1370mm).

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SiteSelect™ Posts

Stationary Posts

Stationary posts are equipped with a leveling bolt to account for uneven floors.

- Height includes leveling bolt (completely tightened) and post cap Leveling bolt can be adjusted 1/2" (13mm).
- Foot plates may be ordered separately and installed in place of leveling foot.
- Replacement leveling bolts
  Zinc Cat. No. RPF04-004 Stainless Steel Cat. No. RPF04-004C
- Replacement post cap for standard posts
  Black Cat. No. RPC06-035



SiteSelect Posts feature double grooves every 8" (203mm) to aid assembly.

Model No. Chrome	Model No. Metroseal 3 with Microban	Model No. Stainless Steel	Height (in.)	Height (mm)	Approx. Pkd. Wt. (lbs.)	Approx. Pkd. Wt. (kg)
7P			7 3/8	187	1/2	0.3
13P	13PK3	13PS	14 3/8	365	1	0.5
27P		27PS	28 3/8	720	1 3/4	0.75
33P	33PK3	33PS	34 3/8	873	2	0.9
54P	54PK3	54PS	54 7/16	1382	3	1.4
63P	63PK3	63PS	62 7/16	1585	3 1/2	1.6
74P	74PK3	74PS	74 1/2	1892	4	1.8
86P	86PK3	86PS	86 1/2	2197	5	2.3
*96P			96 1/2	2450	5 1/2	2.5

*96P should not be used on units less than 24" (610mm) deep. Consult Metro Engineering for alternate recommendations.

Mobile Posts (For use with Stem Casters)

- Height includes post cap.

Model No. Chrome	Model No. Metroseal 3 with Microban	Model No. Stainless Steel	Height (in.)	Height (mm)	Approx. Pkd. Wt. (lbs.)	Approx. Pkd. Wt. (kg)
27UP		27UPS	27 3/4	704	1 3/4	0.75
33UP	33UPK3	33UPS	33 3/4	857	2	0.9
54UP	54UPK3	54UPS	53 13/16	1366	3	1.4
63UP	63UPK3	63UPS	61 13/16	1570	3 1/2	1.6
	70UPK3		69 3/4	1771	3 3/4	1.7
74UP	74UPK3	74UPS	73 7/8	1876	4	1.8
86UP	86UPK3	86UPS	85 7/8	2181	4 1/2	2.0

Staked Posts (For use with Truck Dollies)

- Each post connects to the truck dolly through the stem receptacle. The stem receptacle is staked into the bottom of the post to ensure a durable connection in abusive mobile applications.
- Each includes a leveling/connecting bolt.

Model No. Chrome	Model No. Stainless Steel	Height (in.)	Height (mm)	Approx. Pkd. Wt. (lbs.)	Approx. Pkd. Wt. (kg)
54P-STKD	54PS-STKD	54 7/16	1382	3	1.4
63P-STKD	63PS-STKD	62 7/16	1585	3 1/2	1.6
74P-STKD	74PS-STKD	74 1/2	1892	4	1.8

Swedged Posts (For use with Stem Casters in Cart Wash Applications)

- Each post has an aluminum cap swedged into the top of the post.

Model No. Stainless Steel	Height (in.)	Height (mm)	Approx. Pkd. Wt. (lbs.)	Approx. Pkd. Wt. (kg)
33UPS-SW	33 3/4	857	2	0.9
54UPS-SW	53 13/16	1366	3	1.4
63UPS-SW	61 13/16	1570	3 1/2	1.6

Special Length Posts

Special length cut posts are available. Consult your Metro r more

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SUPER ERECTA SHELF®
WIRE SHELVING

Super Wide Shelving

- **High-density Storage:** Super Wide™ shelves have a greater storage area for holding large quantities of supplies, especially large, bulky objects, providing maximum storage in minimum space.
- **Load Capacity** (evenly distributed) per shelf:
  Depths: 30" and 36" (760 and 914mm)

  600 lbs. (272kg) for lengths 48" (1219mm) or shorter.

  400 lbs. (181kg) for lengths 54" (1370mm) or longer.



Model No. Chrome	Model No. Metroseal 3 with Microban	Model No. Stainless Steel	Nominal Width/Length (in.)	(mm)	Approx. Pkd. Wt. (lbs.)	(kg)
3036NC	3036NK3	3036NS	30x36	760x914	15	6.8
3048NC	3048NK3	3048NS	30x48	760x1219	21	9.5
3060NC	3060NK3	3060NS	30x60	760x1524	26½	11.8
3072NC	3072NK3	3072NS	30x72	760x1829	31	14.0
3636NC	3636NK3	3636NS	36x36	910x914	18	8.2
3648NC	3648NK3	3648NS	36x48	910x1219	23	10.4
3660NC	3660NK3	3660NS	36x60	910x1524	29	13.1
3672NC	3672NK3	3672NS	36x72	910x1829	34½	15.4

Foot Plates

- Use to bolt units to the floor, or when a broader, more stable foot is desired. Foot plates also help to protect floors by distributing the point load of the shelving unit across a larger contact point.
- Foot plates (completely tightened) add ⅛" (3mm) to the specified heights of each stationary post on the table.
  Zinc Cat. No. 9993Z
  Stainless Steel Cat. No. 9993S



"S" Hook

- Used to add on shelving units with only two posts required. Order two per shelf level.
  Cat. No. 9995Z



All Metro Catalog Sheets are available on our Web Site: **www.metro.com**

InterMetro Industries Corporation
North Washington Street, Wilkes-Barre, PA 18705
Phone: 570-825-2741
Fax: 570-825-2852

L02-006
Printed in U.S.A. Rev. 11/08

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For Product Information:
U.S. and Canada: 1.800.433.2232
Latin America: 1.561.533.3824
Europe: +31.76.587.7550
Asia/Pacific +65.6
Middle East/Africa:

Item # _____

Job _____

METRO®
STEM CASTERS

- **Metro Stem-Type Casters** are designed to fit Super Erecta Shelf® posts to form shelf carts and other mobile units.
- **Stainless Steel, Cart-Washable Casters** offer grease seals and zerk fittings. Can withstand high-pressure washings.
- **Polymer Horn Casters:** Innovative polymer stem casters offer corrosion resistance and enhanced durability. For all medium-duty applications.
- **Resilient Rubber Tread:** A molded, soft tread that provides good floor protection along with quiet operation. Non-marking.
- **Polyurethane Tread:** Long-wearing; resists abrasion. Non-marking, shock absorbing.
- **Wheel Brakes:** Foot-operated. Available on all caster models.
- **Caster Load Ratings:** From 125 lbs. to 300 lbs. (57 to 136kg) See chart.
- **Donut Bumpers:** Furnished standard on all Metro stem casters.
- **Additional Caster Types Available.**

Note: SPECIAL WHEELS — V-groove, Conductive, Steel and Phenolic — are available on request. For additional information, contact InterMetro Industries Corporation or your InterMetro representative.

Resilient Rubber

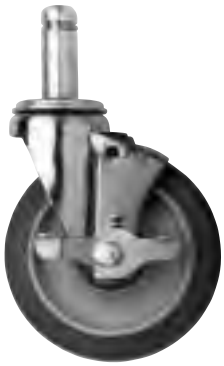


5MB Wheel Brake
Includes Donut Bumper (not shown)



5M Resilient
Includes Donut Bumper (not shown)

Stainless Steel, Cart Washable



5MDBGSA



5MDGSA

Polymer Horn Casters



5PCB



5PC

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North Washington Street
Wilkes-Barre, PA 18705
www.metro.com

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Job _____

METRO®
STEM CASTERS

Dimensions
Standard Casters — Stem Type

Cat. No.	Wheel Diameter (in.)	Wheel Diameter (mm)	Face (in.)	Face (mm)	Load Rating (lbs.)	Load Rating (kg)	Type	Wheel Tread	Approx. Pkd. Wt. (lbs.)	Approx. Pkd. Wt. (kg)
4LD	4	102	1/2	12	125	56	Stem/Swivel	Resilient	1 1/2	.6
5LD	5	127	1/2	12	125	56	Stem/Swivel	Resilient	2	.9
5M	5	127	1 1/4	32	200	90	Stem/Swivel	Resilient	2 1/2	1.1
5MB	5	127	1 1/4	32	200	90	Stem/Brake	Resilient	2 3/4	1.2
5MR	5	127	1 1/4	32	200	90	Stem/Rigid	Resilient	3 1/2	1.5
5MDA	5	127	1 1/4	32	250	111	Stem/Swivel	High Modulus Donut	2 1/2	1.1
5MDBA	5	127	1 1/4	32	250	111	Stem/Brake	High Modulus Donut	2 5/8	1.17
5MDRA	5	127	1 1/4	32	250	111	Stem/Rigid	High Modulus Donut	2 3/8	1.08
5MP	5	127	1 1/4	32	300	135	Stem/Swivel	Polyurethane	2 1/8	.94
5MPB	5	127	1 1/4	32	300	135	Stem/Brake	Polyurethane	2 1/4	1
5MPR	5	127	1 1/4	32	300	135	Stem/Rigid	Polyurethane	2	.9

NOTE 1: Stem casters are shipped with donut bumper **at no additional charge.**
NOTE 2: Rigid casters are held in position by a connecting channel. When ordering rigid casters, shelf width **must be** known.
NOTE 3: Load Height for all 5M, 5MD and 5MP casters — 6 3/32" ± 1/16" (155 ± 1.5mm).
NOTE 4: Load Height for 4LD caster — 4 5/8" ± 1/16" (118 ± 1.5mm).
NOTE 5: Load Height for 5LD caster — 5 5/8" ± 1/16" (143 ± 1.5mm).
NOTE 6: Brakes are foot-operated.

Stainless Steel Cart-Washable Casters — Stem Type

Cat. No.	Wheel Diameter (in.)	Wheel Diameter (mm)	Face (in.)	Face (mm)	Load Rating (lbs.)	Load Rating (kg)	Type	Wheel Tread	Approx. Pkd. Wt. (lbs.)	Approx. Pkd. Wt. (kg)
5MDGSA	5	122	1 1/4	32	150	68	Swivel	High Modulus Donut	2 1/2	1.1
5MDBGSA	5	122	1 1/4	32	150	68	Brake	High Modulus Donut	2 5/8	1.17
5MDRGSA	5	122	1 1/4	32	150	68	Rigid	High Modulus Donut	2 3/8	1.08
5MPGSA	5	127	1 1/4	32	300	135	Swivel	Polyurethane	2 1/8	.94
5MPBGSA	5	127	1 1/4	32	300	135	Brake	Polyurethane	2 1/4	1
5MPRGSA	5	127	1 1/4	32	300	135	Rigid	Polyurethane	2	.9

NOTE 1: Stem casters are shipped with donut bumper **at no additional charge.**
NOTE 2: Rigid casters are held in position by a connecting channel. When ordering rigid casters, shelf width **must be** known.
NOTE 3: Load Height for all 5MD and 5MP casters — 6 3/32" ± 1/16" (155 ± 1.5mm).
NOTE 4: All casters are grease sealed with zerk fittings in swivel and axle.
NOTE 5: Brakes are foot-operated.
NOTE 6: "D" in model number designates donut wheel made of high-modulus rubber.

Polymer Casters — Stem Type

Cat. No.	Wheel Diameter (in.)	Wheel Diameter (mm)	Face (in.)	Face (mm)	Load Rating (lbs.)	Load Rating (kg)	Type	Wheel Tread	Approx. Pkd. Wt. (lbs.)	Approx. Pkd. Wt. (kg)
5PC	5	127	1 1/4	32	300	135	Swivel	Polyurethane	2	.9
5PCB	5	127	1 1/4	32	300	135	Brake	Polyurethane	2	.9
5PCR	5	127	1 1/4	32	300	135	Rigid	Polyurethane	2	.9

NOTE 1: Optional thread guards (blue) may be ordered by adding "-TG" to the desired model number (eg. 5PC-TG, 5PCB-TG, 5PCR-TG).
NOTE 2: Stem casters are shipped with donut bumper **at no additional charge.**
NOTE 3: Rigid casters are held in place by a connecting channel. When ordering, shelf depth **must be** provided.

Manufactured by:

InterMetro Industries Corporation
North Washington Street, Wilkes-Barre, PA 18705
Phone: 570-825-2741 • Fax: 570-825-2852
For Product Information Call: 1-800-433-2232
Visit Our Web Site: www.metro.com

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METRO®
STEM CASTERS

- **Metro Stem-Type Casters** are designed to fit Super Erecta Shelf® posts to form shelf carts and other mobile units.
- **Stainless Steel, Cart-Washable Casters** offer grease seals and zerk fittings. Can withstand high-pressure washings.
- **Polymer Horn Casters:** Innovative polymer stem casters offer corrosion resistance and enhanced durability. For all medium-duty applications.
- **Resilient Rubber Tread:** A molded, soft tread that provides good floor protection along with quiet operation. Non-marking.
- **Polyurethane Tread:** Long-wearing; resists abrasion. Non-marking, shock absorbing.
- **Wheel Brakes:** Foot-operated. Available on all caster models.
- **Caster Load Ratings:** From 125 lbs. to 300 lbs. (57 to 136kg) See chart.
- **Donut Bumpers:** Furnished standard on all Metro stem casters.
- **Additional Caster Types Available.**

Note: SPECIAL WHEELS — V-groove, Conductive, Steel and Phenolic — are available on request. For additional information, contact InterMetro Industries Corporation or your InterMetro representative.

Resilient Rubber

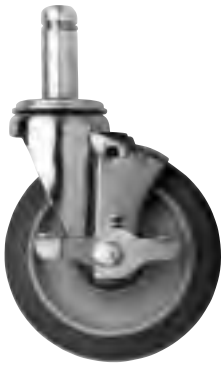


5MB Wheel Brake
Includes Donut Bumper (not shown)



5M Resilient
Includes Donut Bumper (not shown)

Stainless Steel, Cart Washable



5MDBGSA



5MDGSA

Polymer Horn Casters



5PCB



5PC

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Agreement #: Ag-5097 - Page 318 3 2 9

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METRO®
STEM CASTERS

Dimensions

Standard Casters — Stem Type

Cat. No.	Wheel Diameter (in.)	Wheel Diameter (mm)	Face (in.)	Face (mm)	Load Rating (lbs.)	Load Rating (kg)	Type	Wheel Tread	Approx. Pkd. Wt. (lbs.)	Approx. Pkd. Wt. (kg)
4LD	4	102	1/2	12	125	56	Stem/Swivel	Resilient	1 1/2	.6
5LD	5	127	1/2	12	125	56	Stem/Swivel	Resilient	2	.9
5M	5	127	1 1/4	32	200	90	Stem/Swivel	Resilient	2 1/2	1.1
5MB	5	127	1 1/4	32	200	90	Stem/Brake	Resilient	2 3/4	1.2
5MR	5	127	1 1/4	32	200	90	Stem/Rigid	Resilient	3 1/2	1.5
5MDA	5	127	1 1/4	32	250	111	Stem/Swivel	High Modulus Donut	2 1/2	1.1
5MDBA	5	127	1 1/4	32	250	111	Stem/Brake	High Modulus Donut	2 5/8	1.17
5MDRA	5	127	1 1/4	32	250	111	Stem/Rigid	High Modulus Donut	2 3/8	1.08
5MP	5	127	1 1/4	32	300	135	Stem/Swivel	Polyurethane	2 1/8	.94
5MPB	5	127	1 1/4	32	300	135	Stem/Brake	Polyurethane	2 1/4	1
5MPR	5	127	1 1/4	32	300	135	Stem/Rigid	Polyurethane	2	.9

NOTE 1: Stem casters are shipped with donut bumper **at no additional charge.**
NOTE 2: Rigid casters are held in position by a connecting channel. When ordering rigid casters, shelf width **must be** known.
NOTE 3: Load Height for all 5M, 5MD and 5MP casters — 6 3/32" ± 1/16" (155 ± 1.5mm).
NOTE 4: Load Height for 4LD caster — 4 5/8" ± 1/16" (118 ± 1.5mm).
NOTE 5: Load Height for 5LD caster — 5 5/8" ± 1/16" (143 ± 1.5mm).
NOTE 6: Brakes are foot-operated.

Stainless Steel Cart-Washable Casters — Stem Type

Cat. No.	Wheel Diameter (in.)	Wheel Diameter (mm)	Face (in.)	Face (mm)	Load Rating (lbs.)	Load Rating (kg)	Type	Wheel Tread	Approx. Pkd. Wt. (lbs.)	Approx. Pkd. Wt. (kg)
5MDGSA	5	122	1 1/4	32	150	68	Swivel	High Modulus Donut	2 1/2	1.1
5MDBGSA	5	122	1 1/4	32	150	68	Brake	High Modulus Donut	2 5/8	1.17
5MDRGSA	5	122	1 1/4	32	150	68	Rigid	High Modulus Donut	2 3/8	1.08
5MPGSA	5	127	1 1/4	32	300	135	Swivel	Polyurethane	2 1/8	.94
5MPBGSA	5	127	1 1/4	32	300	135	Brake	Polyurethane	2 1/4	1
5MPRGSA	5	127	1 1/4	32	300	135	Rigid	Polyurethane	2	.9

NOTE 1: Stem casters are shipped with donut bumper **at no additional charge.**
NOTE 2: Rigid casters are held in position by a connecting channel. When ordering rigid casters, shelf width **must be** known.
NOTE 3: Load Height for all 5MD and 5MP casters — 6 3/32" ± 1/16" (155 ± 1.5mm).
NOTE 4: All casters are grease sealed with zerk fittings in swivel and axle.
NOTE 5: Brakes are foot-operated.
NOTE 6: "D" in model number designates donut wheel made of high-modulus rubber.

Polymer Casters — Stem Type

Cat. No.	Wheel Diameter (in.)	Wheel Diameter (mm)	Face (in.)	Face (mm)	Load Rating (lbs.)	Load Rating (kg)	Type	Wheel Tread	Approx. Pkd. Wt. (lbs.)	Approx. Pkd. Wt. (kg)
5PC	5	127	1 1/4	32	300	135	Swivel	Polyurethane	2	.9
5PCB	5	127	1 1/4	32	300	135	Brake	Polyurethane	2	.9
5PCR	5	127	1 1/4	32	300	135	Rigid	Polyurethane	2	.9

NOTE 1: Optional thread guards (blue) may be ordered by adding "-TG" to the desired model number (eg. 5PC-TG, 5PCB-TG, 5PCR-TG).
NOTE 2: Stem casters are shipped with donut bumper **at no additional charge.**
NOTE 3: Rigid casters are held in place by a connecting channel. When ordering, shelf depth **must be** provided.

Manufactured by:

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EQUIPMENT SPEC BOOK

06/01/2015

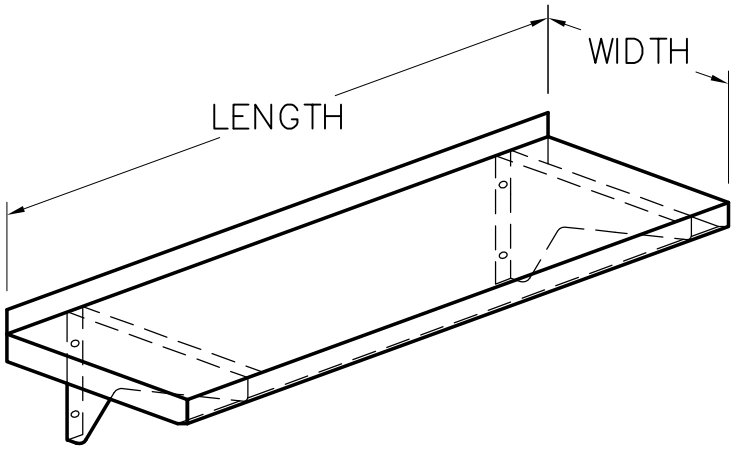
ITEM# 142 - SHELF, SINGLE WALL MOUNT (1 EA REQ'D)

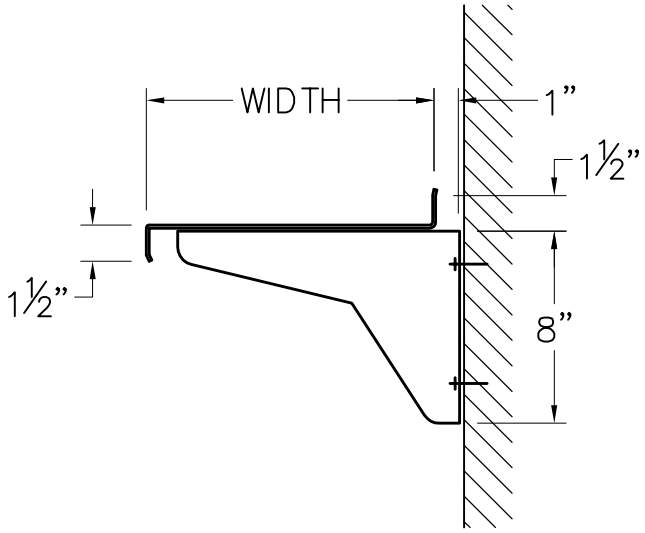
S/S Fab CSTM01

All Stainless Single Wall Shelf, brackets, APPROX 12x96, per plan

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WALL MOUNT SHELF





NOTES

16 ga. S/S shelf and brackets

Example drawings only, refer to plans for actual dimensions

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EQUIPMENT SPEC BOOK

06/01/2015

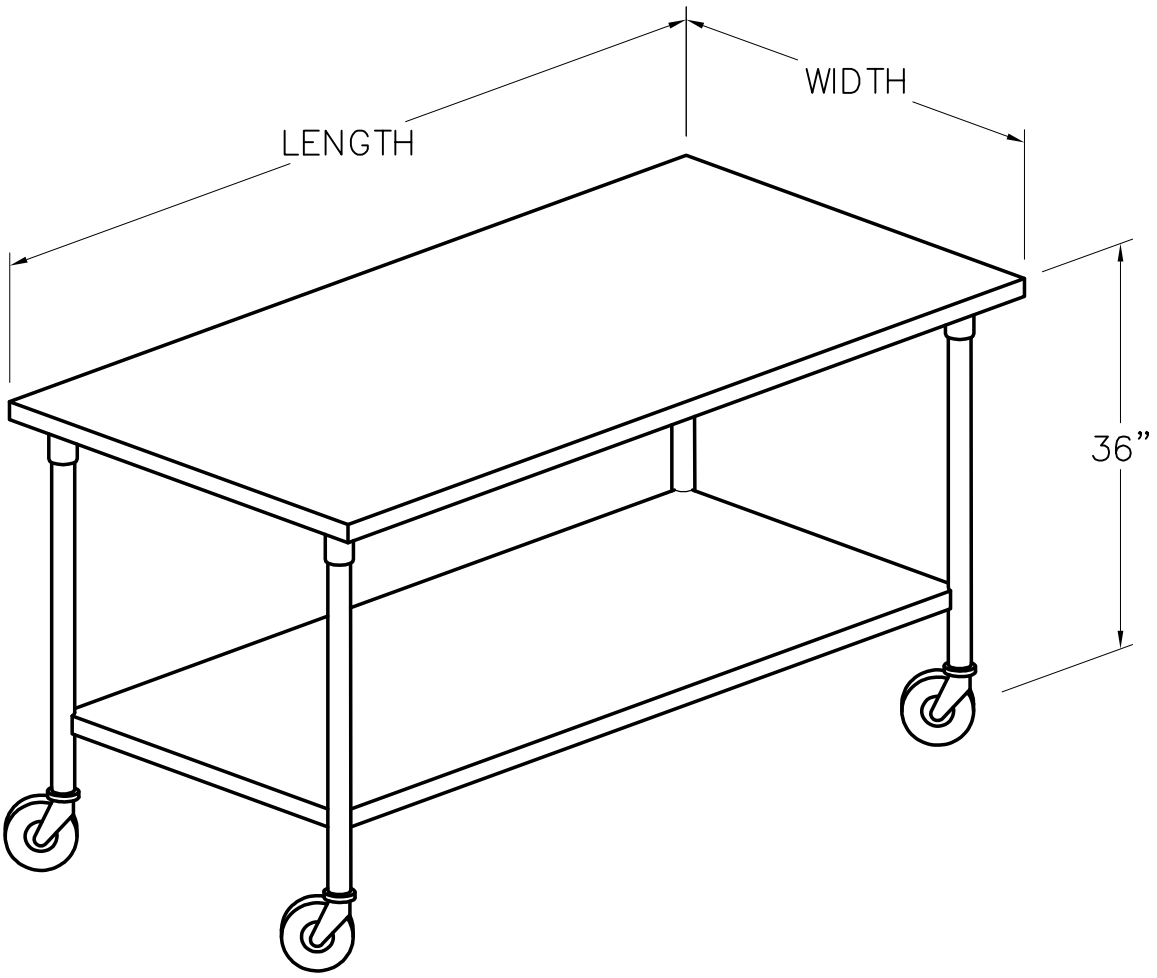
ITEM# 143 - WORK TABLE, LOWER SHELF, MOBILE (4 EA REQ'D)

S/S Fab CSTM14.1

All Stainless Mobile Island Work Table, lower shelf, casters, APPROX 36x96, per plan

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MOBILE ISLAND WORK TABLE WITH UNDERSHELF



NOTES

- 14 ga. S/S top
- 16 ga. S/S undershelf
- 1⅝"Ø S/S legs w/ locking casters

Example drawings only, refer to plans for actual dimensions

5021 Seaport Avenue, Richmond, CA 94804 - Phone: (510) 232-8687 - Fax: (510)
www.seaportstainless.com

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MONTEREY CONFERENCE CENTER
MONTEREY, CALIFORNIA

BID SET AUGUST 26, 2015

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



APPROVED FOR CONSTRUCTION:
Robert M. Haley 08/28/2015
PRINCIPAL ENGINEER/
CAPITAL PROGRAMS MANAGER
CITY OF MONTEREY

ARCHITECT / STRUCTURAL ENGINEER:

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

CIVIL:

BKF ENGINEERING
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
(415) 850-7507

ESTIMATING:

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

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Date

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
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			●	●	●	●		●
M2.03	MECHANICAL LEVEL 2 DEMOLITION PLAN			●	●	●	●		●
M2.04	MECHANICAL ROOF DEMOLITION PLAN			●	●	●	●		●
M4.01	MECHANICAL CHILLED WATER AND CONDENSER WATER PIPING DEMO DIAGRAM					●	●		●
M4.02	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
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				●	●	●		●
TT7.00	TELECOM - RACK ELEVATION						●		●
TT7.01	TELECOM - RACK ELEVATION						●		●
TT7.02	TELECOM - RACK ELEVATION						●		●
TT7.03	TELECOM - RACK ELEVATION						●		●

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

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

Architect:

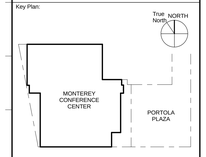
SOM
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

Consultants:

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	PORTOLA PLAZA PERMIT SET	03 AUG 2015
	BID SET	26 AUG 2015

Key Plan:



Seal & Signature:



Sheet Name:

DRAWING LIST

Project No.: 215004
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MECHANICAL LEGEND AND ABBREVIATIONS

ABBREVIATIONS - MECHANICAL

ABV	ABOVE
AC	AIR CONDITIONING UNIT
ACC	AIR COOLED CONDENSER
ACD	AUTOMATIC CONTROL DAMPER
AD	ACCESS DOOR
AHU	AIR HANDLING UNIT
AL	ACOUSTICAL LINING
ARCH	ARCHITECTURAL
ATC	AUTOMATIC TEMPERATURE CONTROL
B	BOILER
BD	BALANCING DAMPER
BDD	BACK DRAFT DAMPER
BMS	BUILDING MANAGEMENT SYSTEM
BO	BLANK OFF
BHP	BRAKE HORSE POWER
BP	BOILER PUMP
BTU	BRITISH THERMAL UNIT
CA	COMPRESSED AIR
CC	COOLING COIL
CD	CEILING DIFFUSER
CE	CEILING EXHAUST
CFF	CAP FOR FUTURE
CFM	CUBIC FEET PER MINUTE
CG	CEILING GRILLE
CH	CHILLER
CHP	CHILLED WATER PUMP
CO	CLEAN OUT
COMP	COMPRESSOR
CONV	CONVECTOR
CR	CEILING REGISTER
CS	CEILING SUPPLY
CT	COOLING TOWER
CU	CONDENSING UNIT
CW	CONDENSER WATER
CWP	CONDENSER WATER PUMP
DB	DRY BULB
DIA	DIAMETER
DN	DOWN
DX	DIRECT EXPANSION
(E)	EXISTING TO REMAIN
EA	EXHAUST AIR
EAF	EXTRACTION ARM AND FAN
EAT	ENTERING AIR TEMPERATURE
EDB	ENTERING DRY BULB
EF	EXHAUST FAN
EFF	EFFICIENCY
ELEV	ELEVATOR
EWB	ENTERING WET BULB
EWT	ENTERING WATER TEMPERATURE
°F	DEGREES FAHRENHEIT
F	FILTER
FBO	FURNISHED BY OTHERS
FC	FLEXIBLE CONNECTION (DUCT OR PIPE)
FCC	FIRE CONTROL CENTER
FCU	FAN COIL UNIT
FD	FUSIBLE LINK FIRE DAMPER W/ DUCT ACCESS DOOR
FLR	FLOOR
FLA	FULL LOAD AMPS
FPB	FAN POWERED BOX
FPI	FINS PER INCH
FRE	FIRE RATED ENCLOSURE
FSD	COMBINATION FIRE AND SMOKE DAMPER
FT	FEET
GOM	GRAVITY OUTSIDE AIR INTAKE MOOD
GPM	GALLONS PER MINUTE
GRM	GRAVITY RELIEF MOOD
GX	GENERAL EXHAUST
HC	HEATING COIL
HP	HORSE POWER
HR	HOUR
HW	HOT WATER
HWC	HOT WATER COIL
HX	HEAT EXCHANGER
ID	INSIDE DIMENSION
KW	KILOWATT
KWH	KILOWATT HOURS
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LD	LINEAR DIFFUSER (CEILING, WALL, SILL OR FLOOR)
LRA	LOCK ROTOR AMPS
LWS	LOUVER WITH WIRE SCREEN
LWT	LEAVING WATER TEMPERATURE
MAT	MIXED AIR TEMPERATURE
MAX	MAXIMUM
MBH	THOUSAND BTU PER HOUR
MCC	MOTOR CONTROL CENTER
MFG	MANUFACTURER
MFS	MAXIMUM FUSE SIZE
MIN	MINIMUM
MUA	MAKE UP AIR UNIT
MOCP	MAXIMUM OVERCURRENT PROTECTION
(N)	NEW
NC	NORMALLY CLOSED
NFA	NET FREE AREA
NIC	NOT IN THIS CONTRACT
NK	NECK

ABBREVIATIONS - MECHANICAL

NO	NORMALLY OPEN
NTS	NOT TO SCALE
OAI	OUTSIDE AIR INTAKE
OBD	OPPOSED BLADE DAMPER
OD	OUTSIDE DIMENSION
P	PUMP
PD	PRESSURE DROP
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH (GAUGE)
PSIA	POUNDS PER SQUARE INCH ABSOLUTE
(R)	EXISTING TO BE RELOCATED
RA	RETURN AIR
REF	REFRIGERANT LINES
RF	RETURN FAN
RG	RETURN GRILL
RH	RELATIVE HUMIDITY
RHC	REHEAT COIL
RPM	REVOLUTIONS PER MINUTE
RR	RETURN REGISTER
SA	SUPPLY AIR
SAD	SEE ARCHITECTURAL DRAWINGS
SD	SMOKE DAMPER
SED	SEE ELECTRICAL DRAWINGS
SENS	SENSIBLE
SF	SUPPLY FAN
SG	SUPPLY GRILL
SM	SHEET METAL
SP	STATIC PRESSURE
SQFT	SQUARE FEET
SR	SUPPLY REGISTER
ST	SOUND TRAP
SWR	SIDEWALL RETURN
TF	TRANSFER FAN
TRD	TRANSFER DUCT
TRG	TRANSFER GRILLE
TX	TOILET EXHAUST
TYP	TYPICAL
U/ON	UNLESS OTHERWISE NOTED
VAR	VARIABLE
VAV	VARIABLE AIR VOLUME
VD	VOLUME DAMPER
VFD	VARIABLE FREQUENCY DRIVE
W	WITH
WB	WET BULB
WG	WATER GAUGE
WMS	WIRE MESH SCREEN
WO-SIZE	WALL OPENING - [SIZE]
(X)	EXISTING TO BE DEMOLISHED
(300)	CUBIC FEET OR AIR PER MINUTE OR GALLONS PER MINUTE

PIPING LEGEND

CWS	CONDENSER WATER SUPPLY
CWR	CONDENSER WATER RETURN
CHWS	CHILLED WATER SUPPLY
CHWR	CHILLED WATER RETURN
HWS	HOT WATER SUPPLY
HWR	HOT WATER RETURN
RL	REFRIGERANT LIQUID PIPING
RS	REFRIGERANT SUCTION PIPING
R-SV	REFRIGERANT-SAFETY VALVE RELIEF LINE
HG	HOT GAS PIPING
DCW	DOMESTIC COLD WATER MAKE-UP
	ARROW INDICATES DIRECTION OF FLOW
	PITCH PIPE DOWN IN DIRECTION OF ARROW
D	DRAIN LINE
	PIPE ANCHOR
	PIPE GUIDE
	EXPANSION COMPENSATOR
(3'-0"x6'-0")	EXPANSION LOOP (SIZE AxB)

PIPING LEGEND (CONTINUED)

FLEXIBLE BALL JOINT EXPANSION COMPENSATOR
CONCENTRIC REDUCER (INCREASER)
ECCENTRIC REDUCER (INCREASER)
UNION
CAPPED PIPE WITH SHUT-OFF VALVE
"Y" TYPE STRAINER WITH HOSE END BLOW OFF VALVE
"Y" TYPE STRAINER
BASKET TYPE STRAINER
DUPLEX STRAINER
ELBOW TURNED UP
ELBOW TURNED DOWN
BOTTOM PIPE CONNECTION
TOP PIPE CONNECTION
SLOPED CHANGE IN PIPE ELEVATION
FLEXIBLE CONNECTION
SHUT-OFF VALVE
AUTOMATIC FLOW CONTROL VALVE
CALIBRATED BALANCE VALVE
GLOBE VALVE
CHECK VALVE
AUTOMATIC THREE-WAY CONTROL VALVE
AUTOMATIC TWO-WAY CONTROL VALVE
RELIEF VALVE
ANGLE RELIEF VALVE
PRESSURE REDUCING VALVE (PRV)
LUBRICATED PLUG VALVE
LOCKSHIELD GLOBE VALVE
SOLENOID VALVE
BUTTERFLY VALVE (MANUAL)
BUTTERFLY VALVE (MOTORIZED)
BALL VALVE
PUMP
DIRT POCKET
REFRIGERANT EXPANSION VALVE
SIGHT GLASS
VALVE IN VERTICAL
MANUAL AIR VENT
AUTOMATIC AIR VENT
THERMOMETER
PIPE SENSOR WELL (THERMOMETER)
PRESSURE GAUGE AND COCK
PRESSURE GAUGE WITH LOOP
TEMPERATURE-PRESSURE TEST FITTING
CENTER LINE
PIPE SLEEVE
BEAM PENETRATION
PIPE GUIDE
PIPE CAP
PIPE BLIND FLANGE

DUCTWORK LEGEND

DUCT SPLIT WITH SPLIT SIZE
RADIUS ELBOW
ELBOW WITH TURNING VANES
RECTANGULAR BRANCH TAKEOFF WITH BALANCING DAMPER
RECTANGULAR SUPPLY DUCT UP
RECTANGULAR SUPPLY DUCT DOWN
RECTANGULAR RETURN OR EXHAUST DUCT UP
RECTANGULAR RETURN OR EXHAUST DUCT DOWN
ROUND DUCT, UP
ROUND DUCT, DOWN
BEAM PENETRATION
SLOPING RISE IN DUCTWORK
SLOPING DROP IN DUCTWORK
DUCT SIZE (CLEAR INSIDE DIMENSION) FIRST FIGURE INDICATES PLAN SIZE
ROUND DUCT DIAMETER SIZE (CLEAR INSIDE DIMENSION)
OVAL DUCT SIZE
SIDE, TOP OR BOTTOM DUCT ACCESS DOOR
ACOUSTIC LINING IN DUCT (DUCT SIZE NOTED INDICATES INSIDE DIMENSIONS)
RECTANGULAR OR SQUARE TO ROUND OR OVAL TRANSITION
FLEXIBLE CONNECTION
DUCT END/CAP
FLEXIBLE DUCT
DUCT COIL WITH ACCESS DOOR
VOLUME DAMPER IN DUCT
AUTOMATIC CONTROL DAMPER
FUSIBLE LINK FIRE DAMPER WITH DUCT ACCESS DOOR
SMOKE DAMPER WITH DUCT ACCESS DOOR
COMBINATION FIRE AND SMOKE DAMPER WITH DUCT ACCESS DOOR
BACK DRAFT DAMPER WITH DUCT ACCESS DOOR
LINEAR DIFFUSER
LINEAR DIFFUSER WITH PLENUM

DUCTWORK LEGEND (CONTINUED)

CEILING DIFFUSER (1-WAY BLOW, 2-WAY BLOW, 3-WAY BLOW, 4-WAY BLOW)
CEILING DIFFUSER WITH FLEXIBLE DUCT CONNECTION
RETURN/EXHAUST REGISTER OR GRILLE
RETURN/EXHAUST REGISTER OR GRILLE WITH FLEXIBLE DUCT CONNECTION
FIRE RATED ENCASED DUCT
TRANSFER GRILLES ON BOTH SIDES OF PARTITION OR WALL (SIZE)
WALL OPENING ABOVE HUNG CEILING (SIZE)
SUPPLY REGISTER WITH AIR OUTLET DEVICE DESIGNATION
RETURN OR EXHAUST REGISTER OR GRILLE WITH AIR INLET DEVICE DESIGNATION
TERMINAL UNIT WITH/WITHOUT HEATING COIL

CONTROLS LEGEND

TOTALIZING BTU METER
EMERGENCY BREAK GLASS SWITCH FOR EQUIPMENT SHUT-DOWN
FLOW MEASURING STATION
FLOW SWITCH
CARBON MONOXIDE SENSOR WITH ZONE DESIGNATION
CARBON DIOXIDE SENSOR WITH ZONE DESIGNATION
TEMPERATURE SENSOR/THERMOSTAT WITH ZONE OR EQUIPMENT DESIGNATION
HUMIDISTAT/HUMIDITY SENSOR WITH HUMIDIFIER DESIGNATION
COMBINATION TEMPERATURE/HUMIDITY SENSOR
DUCT SMOKE DETECTOR SUPPLIED BY ELECTRICAL TRADE, INSTALLED BY MECHANICAL TRADE
STATIC PRESSURE SENSOR WITH DESIGNATION
REFRIGERANT SENSOR WITH DESIGNATION

MISCELLANEOUS

DIFFERENTIAL PRESSURE SENSOR
DIFFERENTIAL PRESSURE SWITCH
NEW WORK
EXISTING WORK TO REMAIN
EXISTING WORK TO BE RELOCATED
EXISTING WORK TO BE REMOVED
POINT OF NEW CONNECTION TO EXISTING WORK
OVAL
DIAMETER
UNDERCUT DOOR
RISER DESIGNATION (RISER SERVICE, RISER NUMBER)
SECTION DESIGNATION (SECTION NUMBER, DRAWING NUMBER)
DETAIL DESIGNATION (DETAIL NUMBER, DRAWING NUMBER)
EQUIPMENT DESIGNATION (EQUIPMENT TYPE, EQUIPMENT FLOOR AND NUMBER)
TERMINAL UNIT DESIGNATION (24 THE NUMBER)
AIR OUTLET/INLET DEVICE DESIGNATION (TYPE, NECK OR FACE SIZE, CFM)
LINEAR DIFFUSER DEVICE DESIGNATION (TYPE, LENGTH & SLOT SIZE, PLENUM INLET SIZE, CFM)

HVAC_DRAWING LIST

SHEET NUMBER	SHEET NAME
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
M02.01.1	MECHANICAL LEVEL 1 DEMOLITION PLAN – SOUTH
M02.01.2	MECHANICAL LEVEL 1 DEMOLITION PLAN - NORTH
M02.02.1	MECHANICAL MEZZANINE LEVEL DEMOLITION PLAN - SOUTH
M02.02.2	MECHANICAL MEZZANINE LEVEL DEMOLITION PLAN – NORTH
M02.03	MECHANICAL LEVEL 2 DEMOLITION PLAN
M02.04	MECHANICAL ROOF DEMOLITION PLAN
M01.1	MECHANICAL LEVEL 1 PLAN – SOUTH
M01.2	MECHANICAL LEVEL 1 PLAN - NORTH
M02.02.1	MECHANICAL MEZZANINE LEVEL PLAN – SOUTH
M02.02.2	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
MD4.01	MECHANICAL CHILLED WATER AND CONDENSER WATER PIPING DEMO DIAGRAM
MD4.02	MECHANICAL HOT WATER PIPING DEMO DIAGRAM
M4.01	MECHANICAL CHILLED WATER AND CONDENSER WATER PIPING DIAGRAM
M4.02	MECHANICAL HOT WATER PIPING DIAGRAM
M5.01	MECHANICAL DETAILS

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL

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

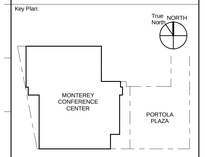
Architect:
SOM
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

Consultants:
WSP
405 Howard St., Suite 500
San Francisco, CA 94105
(415) 398-3833
www.wspgroup.com/usa

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MECHANICAL LEGEND, ABBREVIATIONS AND DRAWING LIST

Project No.: Project Number	Sheet No.: M0.01
Drawn By: Author	
Checked By: Checker	
Scale: NTS	

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Approved as to Form
CAO RISK

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					RETURN FAN					HYDRONIC COOLING COIL													HYDRONIC HEATING COIL										INTERNAL VIBRATION ISOLATION				AIR FILTER				ELECTRICAL DATA					
																	EAT		LAT		CAPACITY																			EXTERNAL		INTERNAL			P.D. (IN. WG.)								
							CFM	EXT. S.P. (IN. WG.)	RPM	BHP	MOTOR HP	CFM	EXT. S.P. (IN. WG.)	RPM	BHP	MOTOR HP	DB (°F)	WB (°F)	DB (°F)	WB (°F)	TOTAL (MBH)	TOTAL (TONS)	SENSIBLE (MBH)	GPM	EWT (°F)	LWT (°F)	P.D. AIR (IN. WG.)	P.D. WATER (FT. H2O)	TOTAL AREA (SF)	EAT (°F)	LAT (°F)	CAPACITY (MBH)	GPM	EWT (°F)	LWT (°F)	P.D. AIR (IN. WG.)	P.D. WATER (FT. H2O)	TOTAL AREA (SF)	SPEC TYPE	THICKNESS (INCHES)	SPEC TYPE	STATIC DEFLECTION (INCHES)	SPEC TYPE	FACE VELOCITY (FPM)	INITIAL	FINAL	ASHRAE 52.2 MERV	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
(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
(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
(V)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
(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
(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
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
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
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
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

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.
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.

FANS

DESIGNATION	LOCATION	SERVICE	MANUF. MODEL NUMBER	YEAR OF INSTALLATION (IF EXISTING)	CFM	STATIC PRESSURE (IN. WG.)	RPM	BHP	MOTOR		VAR. SPEED (Y/N)	NOTES
									HP	VOLTAGE/ PHASE		
(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 LANKIN 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
(E)EF-19	L1 JANITOR	L1 LOUNGE, LOCKER	JENNAIR 148 ILD	1977	680	0.375	-	-	1/4	120/1	-	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 OFFICETOILET	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	-	830 W	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.

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				VAR. SPEED (Y/N)	OPERATING WEIGHT (LBS)	NOTES
										CFM	HP	RPM	VOLTAGE/ PHASE			
(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						CONDENSER						ELECTRICAL DATA			VAR. SPEED (Y/N)	OPERATING WEIGHT (LBS)	NOTES
							FOULING FACTOR	NO. OF PASSES	EWT (°F)	LWT (°F)	GPM	PD (FT H20)	FOULING FACTOR	NO. OF PASSES	EWT (°F)	LWT (°F)	GPM	PD (FT H20)	POWER (KW/TON)	VOLTAGE/ PHASE	FULL LOAD AMPS			
(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.

HYDRONIC COIL

DESIGNATION	LOCATION	SERVICE	YEAR OF INSTALLATION (IF EXISTING)	CFM	GPM	CAPACITY			FLUID TEMPERATURE		EAT		LAT		PRESSURE DROP		TOTAL AREA (SF)	NOTES
						TOTAL (MBH)	TOTAL (TONS)	SENSIBLE (MBH)	EWT (°F)	LWT (°F)	DB (°F)	WB (°F)	DB (°F)	WB (°F)	AIR (IN. W.G.)	FLUID (FT H2O)		
(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
(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
(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
(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
(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
(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
(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
(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
(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
(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
(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
(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
(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.

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			VAR. SPEED (Y/N)	NET WEIGHT (LBS)	NOTES
											BRAKE HP	NON-OVERLOADING HP	VOLTAGE/ PHASE			
(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 IN

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

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 WC)	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	+982	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.

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	6	1,2
ACD-1	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	AIR COOLED CONDENSING UNIT						NOTES
			AMBIENT TEMP. DB (°F)	ELECTRICAL DATA			EMER POWER	OPERATING WEIGHT (LBS)	
				VOLTAGE/ PHASE	UNIT MCA	MOCP			
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 FLOW (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	20600	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 OD 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 (FT²)	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 FIBPI INSULATED PLENUM.

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

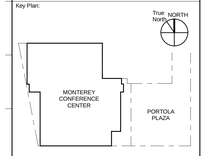
Consultants:

WSP
405 Howard St., Suite 500
San Francisco, CA 94105
(415) 398-3833
www.wspgroup.com/usa

Issued For:

No.	Description:	Date:
	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

Key Plan:



Seal & Signature:



Sheet Name:

MECHANICAL SCHEDULES

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

Sheet No.:

M0.03

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Project Name:	MONTEREY CONFERENCE CENTER	NRCC-PRF-01-E	Page 1 of 25
Project Address:	ONE PORTOLA PLAZA MONTEREY 93940	Calculation Date/Time:	13:25, Wed, Jun 10, 2015
Compliance Scope:	ExistingAdditionAndAlteration	Input File Name:	09900 Monterey_VE13-85.cibd

A. PROJECT GENERAL INFORMATION

1.	Project Location (city)	MONTEREY	**7.**	# of dwelling units	0
2.	CA Zip Code	93940	**8.**	Compliance Software (version)	CBECC-Com 2013-3b (717)
3.	Climate Zone	3	**9.**	Building Orientation (deg)	(N) 0 deg
4.	Total Conditioned Floor Area	75,704 ft^2	**10.**	Permitted Scope of Work	ExistingAdditionAndAlteration
5.	Total Unconditioned Floor Area	0 ft^2	**11.**	Building Type(s)	Nonresidential
6.	# of Stories (Habitable Above Grade)	3			

B. COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS — **§ 140.1**

BUILDING COMPLIES

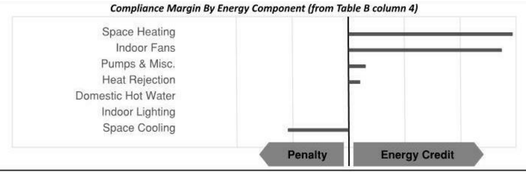
1. Energy Component	2. Standard Design (TDV)	3. Proposed Design (TDV)	4. Compliance Margin (TDV)	5. Percent Better than Standard
Space Heating	4.7	1.7	3.0	63.8%
Space Cooling	25.9	27.0	-1.1	-4.2%
Indoor Fans	81.8	79.0	2.8	3.4%
Heat Rejection	1.0	0.8	0.2	20.0%
Pumps & Misc.	30.0	29.7	0.3	1.0%
Domestic Hot Water	2.3	2.3	--	0.0%
Indoor Lighting	141.4	141.4	--	0.0%
COMPLIANCE TOTAL	**287.1**	**281.9**	**5.2**	**1.8%**
Receptacle	103.9	103.9		0.0%
Process	8.0	8.0		0.0%
Process Ltg	--	--		--
TOTAL	**399.0**	**393.8**		**1.3%**

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C. PRIORITY PLAN CHECK/ INSPECTION ITEMS (in order of highest to lowest TDV energy savings)

1st	Space Heating: Check envelope and mechanical
2nd	Indoor Fans: Check envelope and mechanical
3rd	Pumps & Misc.: Check mechanical
4th	Heat Rejection: Check envelope and mechanical
5th	Domestic Hot Water: Check mechanical
6th	Indoor Lighting: Check lighting
7th	Space Cooling: Check envelope and mechanical

Compliance Margin By Energy Component (from Table B column 4)



D. EXCEPTIONAL CONDITIONS

E. HERS VERIFICATION

This Section Does Not Apply

F. ADDITIONAL REMARKS

None Provided

Project Name:	MONTEREY CONFERENCE CENTER	NRCC-PRF-01-E	Page 3 of 25
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G. COMPLIANCE PATH & CERTIFICATE OF COMPLIANCE SUMMARY

Identify which building components use the performance or prescriptive path for compliance. "NA"= not in project

For components that utilize the performance path, indicate the sheet number that includes mandatory notes on plans.

Building Component	Compliance Path		Compliance Forms *(required for submittal)*	Location of Mandatory Notes on Plans
Envelope	☒	Performance	NRCC-PRF-ENV-DETAILS (section of the NRCC-PRF-01-E)	
	☐	Prescriptive	NRCC-ENV-01 / 02 / 03 / 04 / 05 / 06-E	
	☐	NA		
Mechanical	☒	Performance	NRCC-PRF-MCH-DETAILS (section of the NRCC-PRF-01-E)	
	☐	Prescriptive	NRCC-MCH-01 / 02 / 03 / 04 / 05 / 06 / 07-E	
	☐	NA		
Domestic Hot Water	☒	Performance	NRCC-PRF-PLB-DETAILS (section of the NRCC-PRF-01-E)	
	☐	Prescriptive	NRCC-PLB-01-E	
	☐	NA		
Lighting (Indoor Conditioned)	☒	Performance	NRCC-PRF-LTI-DETAILS (section of the NRCC-PRF-01-E)	
	☐	Prescriptive	NRCC-LTI-01 / 02 / 03 / 04 / 05-E	
	☐	NA		
Covered Process: Commercial Kitchens	☐	Performace	S2 (section of the NRCC-PRF-01-E)	
	☐	Prescriptive	NRCC-PRC-01/ 03-E	
	☒	NA		
Covered Process: Computer Rooms	☐	Performance	S3 (section of the NRCC-PRF-01-E)	
	☐	Prescriptive	NRCC-PRC-01/ 04-E	
	☒	NA		
Covered Process: Laboratory Exhaust	☐	Performace	S4 (section of the NRCC-PRF-01-E)	
	☐	Prescriptive	NRCC-PRC-01/ 09-E	
	☒	NA		

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G. COMPLIANCE PATH & CERTIFICATE OF COMPLIANCE SUMMARY

The following building components are only eligible for prescriptive compliance. Indicate which are relevant to the project.				*The following building components may have mandatory requirements per Part 6. Indicate which are relevant to the project.*			
Yes	**NA**	**Prescriptive Requirement**	**Compliance Forms**	**Yes**	**NA**	**Mandatory Requirement**	**Compliance Forms**
☐	☒	Lighting (Indoor Unconditioned) §140.6	NRCC-LTI-01 / 02 / 03 / 04 / 05-E	☐ ☐	☒ ☒	Commissioning: §120.8 Simple Systems Complex Systems	 NRCC-CXR-01 / 02 / 03 / 05-E NRCC-CXR-01 / 02 / 04 / 05-E
☐	☒	Lighting (Outdoor) §140.7	NRCC-LTO-01 / 02 / 03-E	☐	☒	Electrical: §130.5	NRCC-ELC-01-E
☐	☒	Lighting (Sign) §140.8	NRCC-LTS-01-E	☐	☒	Solar Ready: §110.10	NRCC-SRA-01 / 02-E
☐	☒	Solar Thermal Water Heating: §140.5	NRCC-STH-01-E	☐ ☐ ☐ ☐ ☐ ☐	☒ ☒ ☒ ☒ ☒ ☒	Covered Process: §120.6 Parking Garage Commercial Refrigeration Warehouse Refrigeration Compressed Air Process Boilers	NRCC-PRC-01-E NRCC-PRC-02-E NRCC-PRC-05-E NRCC-PRC-06/07/08-E NRCC-PRC-10-E NRCC-PRC-11-E

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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

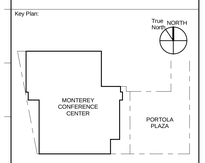
Architect:
SOM
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

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WSP
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Issued For:

No.	Description:	Date:
	PERMIT SET	15 JUNE 2015
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	BID SET	26 AUG 2015

Key Plan:



Seal & Signature:



Sheet Name:

MECHANICAL
TITLE 24
COMPLIANCE
FORMS

Project No.:	Sheet No.:
Project Number	M0.04
Drawn By: Author	
Checked By: Checker	
Scale:	

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Project Address:	ONE PORTOLA PLAZA MONTEREY 93940	Calculation Date/Time:	13:25, Wed, Jun 10, 2015
Compliance Scope:	ExistingAdditionAndAlteration	Input File Name:	09900 Monterey_VE13-85.cibd

H. CERTIFICATE OF INSTALLATION, CERTIFICATE OF ACCEPTANCE & CERTIFICATE OF VERIFICATION SUMMARY (NRCI/NRCA/NRCV) – Documentation Author to indicate which Certificates must be submitted for the features to be recognized for compliance (Retain copies and verify forms are completed and signed to post in field for Field Inspector to verify). See Tables G. and H. in MCH and LTI Details Sections for Acceptance Tests and forms by equipment.		**Confirmed**	
Building Component	**Compliance Forms *(required for submittal)***	**Pass**	**Fail**
Envelope	☐ NRCI-ENV-01-E - For all buildings	☐	☐
	☐ NRCA-ENV-02-F- NFRC label verification for fenestration	☐	☐
Mechanical	☐ NRCI-MCH-01-E - For all buildings with Mechanical Systems	☐	☐
	☐ NRCA-MCH-02-A- Outdoor Air	☐	☐
	☐ NRCA-MCH-03-A – Constant Volume Single Zone HVAC	☐	☐
	☐ NRCA-MCH-04-H- Air Distribution Duct Leakage	☐	☐
	☐ NRCA-MCH-05-A- Air Economizer Controls	☐	☐
	☐ NRCA-MCH-06-A- Demand Control Ventilation	☐	☐
	☐ NRCA-MCH-07-A – Supply Fan Variable Flow Controls	☐	☐
	☐ NRCA-MCH-08-A- Valve Leakage Test	☐	☐
	☐ NRCA-MCH-09-A – Supply Water Temp Reset Controls	☐	☐
	☐ NRCA-MCH-10-A- Hydronic System Variable Flow Controls	☐	☐
	☐ NRCA-MCH-11-A – Auto Demand Shed Controls	☐	☐
	☐ NRCA-MCH-12-A- Packaged Direct Expansion Units	☐	☐
	☐ NRCA-MCH-13-A- Air Handling Units and Zone Terminal Units	☐	☐
	☐ NRCA-MCH-14-A- Distributed Energy Storage	☐	☐
	☐ NRCA-MCH-15-A – Thermal Energy Storage	☐	☐
	☐ NRCA-MCH-16-A- Supply Air Temp Reset Controls	☐	☐
	☐ NRCA-MCH-17-A – Condensate Water Temp Reset Controls	☐	☐
	☐ NRCA-MCH-18-A- Energy Management Controls Systems	☐	☐
	☐ NRCV-MCH-04-H- Duct Leakage Test	☐	☐

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Building Component	**Compliance Forms *(required for submittal)***	**Pass**	**Fail**
Plumbing	☐ NRCI-PLB-01-E - For all buildings with Plumbing Systems	☐	☐
	☐ NRCI-PLB-02-E - required on central systems in high-rise residential, hotel/motel application.	☐	☐
	☐ NRCI-PLB-03-E - Single dwelling unit systems in high-rise residential, hotel/motel application.	☐	☐
	☐ NRCI-PLB-21-E - HERS verified central systems in high-rise residential, hotel/motel application.	☐	☐
	☐ NRCI-PLB-22-E - HERS verified single dwelling unit systems in high-rise residential, hotel/motel application.	☐	☐
	☐ NRCV-PLB-21-H- HERS verified central systems in high-rise residential, hotel/motel application.	☐	☐
	☐ NRCV-PLB-22-H - HERS verified single dwelling unit systems in high-rise residential, hotel/motel application.	☐	☐
	☐ NRCI-STH-01-E - Any solar water heating	☐	☐
Indoor Lighting	☐ NRCI-LTI-01-E - For all buildings	☐	☐
	☐ NRCI-LTI-02-E - Lighting control system, or for an Energy Management Control System (EMCS)	☐	☐
	☐ NRCI-LTI-03-E - Line-voltage track lighting integral current limiter, or for a supplementary overcurrent protection panel used to energize only line-voltage track lighting	☐	☐
	☐ NRCI-LTI-04-E - Two interlocked systems serving an auditorium, a convention center, a conference room, or a theater	☐	☐
	☐ NRCI-LTI-05-E - Lighting Control Credit Power Adjustment Factor (PAF)	☐	☐
	☐ NRCI-LTI-06-E - Additional wattage installed in a video conferencing studio	☐	☐
	☐ NRCA-LTI-02-A - Occupancy sensors and automatic time switch controls.	☐	☐
	☐ NRCA-LTI-03-A - Automatic daylighting controls	☐	☐
	☐ NRCA-LTI-04-A - Demand responsive lighting controls	☐	☐
Outdoor Lighting	☐ NRCI-LTO-01-E – Outdoor Lighting	☐	☐
	☐ NRCI-LTO-02-E- EMCS Lighting Control System	☐	☐
	☐ NRCA-LTO-02-A - Outdoor Lighting Control	☐	☐
Sign Lighting	☐ NRCI-LTS-01-E – Sign Lighting	☐	☐
Electrical	☐ NRCI-ELC-01-E - Electrical Power Distribution	☐	☐
Photovoltaic	☐ NRCI-SPV-01-E Photovoltaic Systems	☐	☐

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Project Address:	ONE PORTOLA PLAZA MONTEREY 93940	Calculation Date/Time:	13:25, Wed, Jun 10, 2015
Compliance Scope:	ExistingAdditionAndAlteration	Input File Name:	09900 Monterey_VE13-85.cibd

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Building Component	**Compliance Forms *(required for submittal)***	**Pass**	**Fail**
Covered Process	☐ NRCI-PRC-01-E Refrigerated Warehouse	☐	☐
	☐ NRCA-PRC-01-F- Compressed Air Systems	☐	☐
	☐ NRCA-PRC-02-F- Kitchen Exhaust	☐	☐
	☐ NRCA-PRC-03-F- Garage Exhaust	☐	☐
	☐ NRCA-PRC-04-F- Refrigerated Warehouse- Evaporator Fan Motor Controls	☐	☐
	☐ NRCA-PRC-05-F- Refrigerated Warehouse- Evaporative Condenser Controls	☐	☐
	☐ NRCA-PRC-06-F- Refrigerated Warehouse- Air Cooled Condenser Controls	☐	☐
	☐ NRCA-PRC-07F- Refrigerated Warehouse- Variable Speed Compressor	☐	☐
	☐ NRCA-PRC-08-F- Electrical Resistance Underslab Heating System	☐	☐

I. ENVELOPE GENERAL INFORMATION (See NRCC-PRF-ENV-DETAILS for more information)							
1.	Total Conditioned Floor Area	75,704 ft²	**5.**	Number of Floors Above Grade	3	**Confirmed**	
2.	Total Unconditioned Floor Area	0 ft²	**6.**	Number of Floors Below Grade	0	**Pass**	**Fail**
3.	Addition Conditioned Floor Area	0 ft²					
4.	Addition Unconditioned Floor Area	0 ft²					

7. Opaque Surfaces & Orientation	**8. Total Gross Surface Area**	**9. Total Fenestration Area**	**10. Window to Wall Ratio**	**Pass**	**Fail**
North Wall	2,305 ft²	207 ft²	09.0%	☐	☐
East Wall	5,741 ft²	3,259 ft²	56.8%	☐	☐
South Wall	5,387 ft²	3,372 ft²	62.6%	☐	☐
West Wall	2,568 ft²	77 ft²	03.0%	☐	☐
Total	**16,001 ft²**	**6,915 ft²**	**43.2%**	☐	☐
Roof	28,234 ft²	163 ft²	00.6%	☐	☐

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J. FENESTRATION ASSEMBLY SUMMARY							**§ 110.6**	**Confirmed**	
1.	**2.**	**3.**	**4.**	**5.**	**6.**	**7.**	**8.**		
Fenestration Assembly Name / Tag or I.D.	**Fenestration Type**	**Certification Method[1]**	**Assembly Method**	**Area ft²**	**Overall U-factor**	**Overall SHGC**	**Overall VT**	**Pass**	**Fail**
GL-3A	VerticalFenestration	NFRCRated	SiteBuilt	5,383	0.56	0.60	0.80	☐	☐
GL-3C	VerticalFenestration	NFRCRated	SiteBuilt	163	0.56	0.60	0.80	☐	☐
GL-3B	VerticalFenestration	NFRCRated	SiteBuilt	1,532	0.60	0.35	0.30	☐	☐

[1] *Newly installed fenestration shall have a certified NFRC Label Certificate or use the CEC default tables found in Table 110.6-A and Table 110.6-B. Site-built fenestration less than 1,000 ft², or more than or equal to 1,000 ft² see Reference Nonresidential Appendix NA6.*

Taking compliance credit for fenestration shading devices? (if "Yes", see NRCC-PRF-ENV-DETAILS for more information)	No

K. OPAQUE SURFACE ASSEMBLY SUMMARY							**§ 120.7/ § 140.3**	**Confirmed**	
1.	**2.**	**3.**	**4.**	**5.**	**6.**	**7.**	**8.**		
Surface Name	**Surface Type**	**Area (ft²)**	**Framing Type**	**Cavity R-Value**	**Continuous R-Value**	**U-Factor / F-Factor / C-Factor**	**Status**	**Pass**	**Fail**
R-13 Floor No Crawlspace12	ExteriorFloor	47,045	Wood	13	NA	U-Factor: 0.063	New	☐	☐
Metal Framing 3 Ins14	ExteriorWall	15,901	NA	0	10	U-Factor: 0.086	New	☐	☐
4 HW Conc 4 Ins19	Roof	28,234	NA	0	23	U-Factor: 0.039	New	☐	☐
Slab On Grade112	UndergroundFloor	1,641	NA	0	NA	F-Factor: 0.730	New	☐	☐

L. ROOFING PRODUCT SUMMARY							**§ 140.3**	**Confirmed**	
1.	**2.**	**3.**	**4.**	**5.**	**6.**	**7.**			
Product Type	**Product ≥25 lb ft²**	**Aged Solar Reflectance**	**Thermal Emittance**	**SRI**	**Cool Roof Credit**	**CRRC Product ID Number**		**Pass**	**Fail**
4 HW Conc 4 Ins19	No	0.08	0.75	NA	No	NA		☐	☐

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL

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

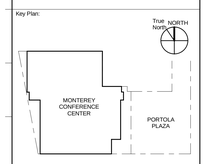
Architect:
SOM
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

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

Key Plan:



Seal & Signature:



Sheet Name:

MECHANICAL
TITLE 24
COMPLIANCE
FORMS

Project No.:	Sheet No.:
Project Number	M0.05
Drawn By: Author	
Checked By: Checker	
Scale:	

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M. HVAC SYSTEM SUMMARY (see NRCC-PRF-MCH-DETAILS for more information) — § 110.1 / § 110.2

Dry System Equipment [1] (Fan & Economizer info included below in Table N) — Confirmed

1.	2.	3.	4.	5.	6.	7.	8.	9.		10.	Pass	Fail
Equip Name	Equip Type	System Type (Simple [3] or Complex [4])	Qty	Total Heating Output (kBtu/h)	Supp Heat Source (Y/N)	Supp Heat Output (kBtuh)	Total Cooling Output (kBtu/h)	Efficiency		Acceptance Testing Required? (Y/N) [5]		
								Cooling	Heating			
AHU-1 (E)	VAV	Complex	1	463	No	0	326	NA	NA	No	☐	☐
AHU-2 (E)	VAV	Complex	1	198	No	0	320	NA	NA	No	☐	☐
AHU-3 (E)	VAV	Complex	1	51	No	0	121	NA	NA	No	☐	☐
AHU-4	VAV	Complex	1	159	No	0	58	NA	NA	No	☐	☐
AHU-7	VAV	Complex	1	225	No	0	111	NA	NA	No	☐	☐
AHU-8	VAV	Complex	1	689	No	0	280	NA	NA	No	☐	☐
AHU-9	VAV	Complex	1	482	No	0	300	NA	NA	No	☐	☐
AHU-10	VAV	Complex	1	211	No	0	114	NA	NA	No	☐	☐
SF-05	VAV	Complex	1	1102	No	0	920	NA	NA	No	☐	☐
1-KITCHEN	Exhaust	Simple	1	0	No	0	0	NA	NA	No	☐	☐
SF-06	VAV	Complex	1	1454	No	0	920	NA	NA	No	☐	☐

Wet System Equipment [2]								*Pumps*				Confirmed	
11.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	Pass	Fail
Equip Name	Equip Type	Qty	Vol (gal)	Rated Capacity (kBtu/h)	Efficiency	Standby Loss	Tank Ext. R Value	Qty	GPM	HP	VSD (Y/N)		
(E)B-1	HotWater	NA	NA	799	Thrml. Eff: 0.94	NA	NA	1	54.0	1.800	Yes	☐	☐
(E)B-2	HotWater	NA	NA	799	Thrml. Eff: 0.94	NA	NA	1	54.0	1.800	Yes	☐	☐
(E)B-3	HotWater	NA	NA	799	Thrml. Eff: 0.94	NA	NA	1	54.0	1.800	Yes	☐	☐
GWH-1 Water Heater	Storage	1	100	252	Thrml. Eff.: 0.950	0.0200	NA	NA	NA	NA	No	☐	☐
93 Ton Tower 1	OpenTower	NA	NA	1395	NA	NA	NA	1	280.0	13.800	No	☐	☐
93 Ton Tower 2	OpenTower	NA	NA	1395	NA	NA	NA	1	280.0	13.800	No	☐	☐
200 Ton Water Cooled4	Centrifugal	NA	NA	2400	kW/ton: 0.639	NA	NA	1	1000.0	23.800	Yes	☐	☐

Wet System Equipment [2]								*Pumps*				Confirmed	
11.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	Pass	Fail
Equip Name	Equip Type	Qty	Vol (gal)	Rated Capacity (kBtu/h)	Efficiency	Standby Loss	Tank Ext. R Value	Qty	GPM	HP	VSD (Y/N)		
72 Ton Air Cooled Recip5	Reciprocating	NA	NA	864	EER: 11.7	NA	NA	1	184.0	11.900	Yes	☐	☐

[1] *Dry System Equipment includes furnaces, air handling units, heat pumps, etc.*
[2] *Wet System Equipment includes boilers, chillers, cooling towers, water heaters, etc.*
[3] *Simple Systems must complete NRCC-CXR-03-E commissioning design review form*
[4] *Complex Systems must complete NRCC-CXR-04-E commissioning design review form*
[5] *A summary of which acceptance tests are applicable is provided in NRCC-PRF-MCH-DETAILS*

Discrepancy between modeled and designed equipment sizing? (if "Yes", see Table F. "Additional Remarks" for an explanation)	No

N. ECONOMIZER & FAN SYSTEMS SUMMARY[1] — § 140.4 — Confirmed

1.	2.	3.					4.					5.	Pass	Fail
Equip Name	Outside Air	Supply Fan					Return Fan					Economizer Type (if present)		
	CFM	CFM	HP	BHP	TSP (inch WC)	Control	CFM	HP	BHP	TSP (inch WC)	Control			
AHU-1 (E)	3417	10800	11.800	NA	4.30	VariableSpeedDrive	10800	5.400	5.400	1.90	VariableSpeedDrive	DifferentialDryBulb	☐	☐
AHU-2 (E)	4647	10600	11.400	NA	4.23	VariableSpeedDrive	10600	5.400	5.400	1.94	VariableSpeedDrive	DifferentialDryBulb	☐	☐
AHU-3 (E)	875	4000	4.400	NA	4.19	VariableSpeedDrive	4000	2.000	2.000	1.90	VariableSpeedDrive	DifferentialDryBulb	☐	☐
AHU-4	396	2000	1.600	NA	3.05	VariableSpeedDrive	NA	NA	NA	NA	NA	DifferentialDryBulb	☐	☐
AHU-7	683	2600	2.800	NA	4.10	VariableSpeedDrive	NA	NA	NA	NA	NA	DifferentialDryBulb	☐	☐
AHU-8	2298	8800	10.300	NA	4.46	VariableSpeedDrive	NA	NA	NA	NA	NA	DifferentialDryBulb	☐	☐
AHU-9	1904	6200	4.500	NA	2.76	VariableSpeedDrive	6200	2.300	2.300	1.41	VariableSpeedDrive	DifferentialDryBulb	☐	☐
AHU-10	1792	3600	3.600	NA	3.81	VariableSpeedDrive	NA	NA	NA	NA	NA	DifferentialDryBulb	☐	☐
SF-05	7887	31000	12.000	NA	1.52	VariableSpeedDrive	21900	6.100	6.100	1.06	VariableSpeedDrive	DifferentialDryBulb	☐	☐
1-KITCHEN	0	NaN	NaN	NA			NA	NA	NA	NA	NA		☐	☐
SF-06	10614	30500	11.900	NA	1.53	VariableSpeedDrive	27500	6.800	6.800	0.94	VariableSpeedDrive	DifferentialDryBulb	☐	☐

[1] *Mechanical ventilation calculations and exhaust fans are included in the NRCC-PRF-MCH-DETAILS section*

O. EQUIPMENT CONTROLS — § 120.2 — Confirmed

1.	2.	3.	Pass	Fail
Equip Name	Equip Type	Controls		
AHU-1 (E)	VAV	2 Zones With CO2Sensor Vent. Control, DDC Controls and Dual Maximum Reheat Controls Differential Drybulb Economizer Warmest Zone Supply Air Temp. Reset	☐	☐
AHU-2 (E)	VAV	3 Zones With CO2Sensor Vent. Control, DDC Controls and Dual Maximum Reheat Controls Differential Drybulb Economizer Warmest Zone Supply Air Temp. Reset	☐	☐
AHU-3 (E)	VAV	3 Zones With CO2Sensor Vent. Control, DDC Controls and Dual Maximum Reheat Controls Differential Drybulb Economizer Warmest Zone Supply Air Temp. Reset	☐	☐
AHU-4	VAV	1 Zones With CO2Sensor Vent. Control, DDC Controls and Dual Maximum Reheat Controls Differential Drybulb Economizer Warmest Zone Supply Air Temp. Reset	☐	☐
AHU-7	VAV	2 Zones With CO2Sensor Vent. Control, DDC Controls and Dual Maximum Reheat Controls Differential Drybulb Economizer Warmest Zone Supply Air Temp. Reset	☐	☐
AHU-8	VAV	2 Zones With CO2Sensor Vent. Control, DDC Controls and Dual Maximum Reheat Controls Differential Drybulb Economizer Warmest Zone Supply Air Temp. Reset	☐	☐
AHU-9	VAV	1 Zones With CO2Sensor Vent. Control, DDC Controls and Dual Maximum Reheat Controls Differential Drybulb Economizer Warmest Zone Supply Air Temp. Reset	☐	☐
AHU-10	VAV	1 Zones With CO2Sensor Vent. Control, DDC Controls and Dual Maximum Reheat Controls Differential Drybulb Economizer Warmest Zone Supply Air Temp. Reset	☐	☐

O. EQUIPMENT CONTROLS — § 120.2 — Confirmed

1.	2.	3.	Pass	Fail
Equip Name	Equip Type	Controls		
SF-05	VAV	3 Zones With CO2Sensor Vent. Control, DDC Controls and Dual Maximum Reheat Controls Differential Drybulb Economizer Warmest Zone Supply Air Temp. Reset	☐	☐
1-KITCHEN	Exhaust	No DCV Controls Economizer type not properly specified No Supply Air Temp. Control	☐	☐
SF-06	VAV	2 Zones With CO2Sensor Vent. Control, DDC Controls and Dual Maximum Reheat Controls Differential Drybulb Economizer Warmest Zone Supply Air Temp. Reset	☐	☐
Plant1 - HotWater	Heating Hot Water, Primary Only	Fixed Temperature Control, No DDC	☐	☐
Plant1 - SHW	Service Hot Water, Primary Only	Fixed Temperature Control, No DDC	☐	☐
Plant1 - CW	Condenser Water, Primary Only	Fixed Temperature Control, No DDC	☐	☐
Plant1 - ChillSys	Chilled Water, Primary Only	Fixed Temperature Control, No DDC	☐	☐

P. SYSTEM DISTRIBUTION SUMMARY — § 120.4/ § 140.4(i)

This Section Does Not Apply

Does the Project Include Zonal Systems? (if "Yes", see NRCC-PRF-MCH-DETAILS for system information)	No
Does the Project Include a Solar Hot Water System? (if "Yes", see NRCC-PRF-MCH-DETAILS for system information)	No
Multifamily or Hotel/ Motel Occupancy? (if "Yes", see NRCC-PRF-MCH-DETAILS for DHW system information)	No

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL

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

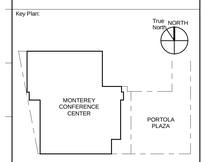
Architect:
SOM
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

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

Key Plan:



Seal & Signature:



Sheet Name:

MECHANICAL
TITLE 24
COMPLIANCE
FORMS

Project No.: Project Number	Sheet No.: M0.06
Drawn By: Author	
Checked By: Checker	
Scale:	

2/2015 10:53:10 AM
Agreement #: Ag-5097 - Page 319 Approved as to Form CAO RISK 329

Q. INDOOR CONDITIONED LIGHTING GENERAL INFO (see NRCC-PRF-LTI-DETAILS for more info) — **§ 140.6**

						Confirmed	
1.	2.	3.	4.	5.		Pass	Fail
Occupancy Type [1]	Conditioned Floor Area [2] (ft²)	Installed Lighting Power (Watts)	Lighting Control Credits (Watts)	Additional (Custom) Allowance			
				Area Category Footnotes (Watts)	Tailored Method (Watts)	☐	☐
Building Totals:		NaN		0			

[1] *See Table 140.6-C*
[2] *See NRCC-LTI-01-E for unconditioned spaces*

R. INDOOR CONDITIONED LIGHTING SCHEDULE (Adapted from NRCC-LTI-01-E)[1] — **§ 130.0**

This Section Does Not Apply

[1] *If lighting power densities were used in the compliance model Building Departments will need to check prescriptive forms for Luminaire Schedule details.*

S1. COVERED PROCESS SUMMARY – ENCLOSED PARKING GARAGES — **§ 140.9**

This Section Does Not Apply

S2. COVERED PROCESS SUMMARY – COMMERCIAL KITCHENS — **§ 140.9**

Space Name	Exhaust Hood Style	Exhaust Hood Duty	Exhaust Length (ft)	Exhaust Flow Rate (cfm)	Confirmed Pass	Confirmed Fail
20-1-KITCHEN	SingleIsland	Heavy	16	6,720	☐	☐
	None	Light		NaN	☐	☐
		Light		NaN	☐	☐
		Light		NaN	☐	☐
		Light		NaN	☐	☐

S3. COVERED PROCESS SUMMARY – COMPUTER ROOMS — **§ 140.9**

This Section Does Not Apply

S4. COVERED PROCESS SUMMARY – LABORATORY EXHAUSTS — **§ 140.9**

This Section Does Not Apply

T. UNMET LOAD HOURS

Thermal Zone Name	Cooling Unmet Load Hour Limit for Thermal Zone	Proposed Cooling Unmet Load Hours	Heating Unmet Load Hour Limit for Thermal Zone	Proposed Heating Unmet Load Hours
2-3-STEINBECK BALLROOM SE	150	411	150	0
4-3-STEINBECK PRE-FUNCTION	150	201.25	150	0
17-1-MAIN LOBBY EXT	150	185	150	0
19-1-PRE-FUNCTION E	150	2759.25	150	0
24-1-STAFF LOUNGE	150	324	150	0
26-1-PRE-FUNCTION W	150	300.25	150	0

U. ENERGY USE SUMMARY

	Electric (kWh/yr)	Natural Gas (therms/yr)
Total Annual Baseline	1.17363e+006	5849.45
Total Annual Proposed	1.1701e+006	4487.46

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT — **§ 10-103**

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Paul McGrath	Signature:	
Company: WSP		
Address: 405 Howard St., Suite 500	Signature Date:	
City/State/Zip: San Francisco / CA / 94105	CEA Identification (If applicable): - specify -	
Phone: - specify -		

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1	I hereby affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code to sign this document as the person responsible for its preparation; and that I am licensed in the State of California as a civil engineer, mechanical engineer, electrical engineer, or I am a licensed architect.
2	I affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code by section 5537.2 or 6737.3 to sign this document as the person responsible for its preparation; and that I am a licensed contractor performing this work.
3	I affirm that I am eligible under Division 3 of the Business and Professions Code to sign this document because it pertains to a structure or type of work described as exempt pursuant to Business and Professions Code Sections 5537, 5538 and 6737.1.

Responsible Envelope Designer Name: Clifton Keith Boswell	Signature:	
Company: SKIDMORE, OWINGS & MERRILL LLP		
Address: ONE FRONT STREET,	Date Signed:	
City/State/Zip: San Francisco / -CA / 94111	Declaration Statement Type:	
Phone: - specify -	Title:	License #:C-26963
Responsible Lighting Designer Name: - specify -	Signature:	
Company: - specify -		
Address: - specify -	Date Signed:	
City/State/Zip: - specify - / - specify - / - specify -	Declaration Statement Type:	
Phone: - specify -	Title:	License #: - specify -
Responsible Mechanical Designer Name: Paul McGrath	Signature:	
Company: WSP		
Address: 405 Howard St., Suite 500	Date Signed:	
City/State/Zip: San Francisco / CA / 94105	Declaration Statement Type:	
Phone:415-398-3833	Title:	License #:M33880

NRCC-PRF-ENV-DETAILS -SECTION START-

A. OPAQUE SURFACE ASSEMBLY DETAILS — Confirmed

1. Surface Name	2. Surface Type	3. Description of Assembly Layers	4. Notes	Pass	Fail
R-13 Floor No Crawlspace12	ExteriorFloor	Wood framed floor, 16in. OC, 5.5in., R-13 Plywood - 1/2 in. Carpet - 3/4 in.		☐	☐
Metal Framing 3 Ins14	ExteriorWall	Stucco - 7/8 in. Vapor permeable felt - 1/8 in. Compliance Insulation R10.06 Gypsum Board - 1/2 in.		☐	☐
4 HW Conc 4 Ins19	Roof	Built-up roofing - 3/8 in. Plywood - 1/2 in. Cellular polyisocyanurate (unfaced) - 4 in. R23 Concrete - 140 lb/ft3 - 4 in.		☐	☐
Slab On Grade112	UndergroundFloor	Concrete - 140 lb/ft3 - 6 in.		☐	☐

B. OVERHANG DETAILS (Adapted from NRCC-ENV-02-E)

This Section Does Not Apply

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL

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

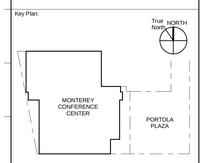
Architect:
SOM
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

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

Key Plan:



Seal & Signature:

REGISTERED PROFESSIONAL ENGINEER
PAUL G. McGRATH
No. M33880
MECHANICAL
STATE OF CALIFORNIA

Sheet Name:

MECHANICAL TITLE 24 COMPLIANCE FORMS

Project No.: Project Number	Sheet No.: M0.07
Drawn By: Author	
Checked By: Checker	
Scale:	

2/2015 10:53:13 AM
Agreement #: Ag-5097 - Page 319 Approved as to Form CAO RISK 329

Project Name:	MONTEREY CONFERENCE CENTER	NRCC-PRF-01-E	Page 17 of 25
Project Address:	ONE PORTOLA PLAZA MONTEREY 93940	Calculation Date/Time:	13:25, Wed, Jun 10, 2015
Compliance Scope:	ExistingAdditionAndAlteration	Input File Name:	09900 Monterey_VE13-85.cibd

NRCC-PRF-MCH-DETAILS -SECTION START-

A. MECHANICAL VENTILATION AND REHEAT *(Adapted from 2013-NRCC-MCH-03-E)*

1. DESIGN AIR FLOWS								2. VENTILATION (§ 120.1)									Confirmed	
CONDITIONED ZONE NAME	HEATING / COOLING SYSTEM ID	DESIGN PRIMARY AIR FLOW (CFM)	DESIGN PRIMARY MINIMUM AIR FLOW (CFM)	MINIMUM PRIMARY AIR FLOW FRACTION	MAXIMUM HEATING AIR FLOW (CFM)	MAXIMUM HEATING AIR FLOW FRACTION	DDC CONTROL (Y/N)	VENT SYSTEM ID	CONDITIONED AREA (ft2)	MIN. VENT PER AREA (CFM/ft2)	DESIGN NUM. OF PEOPLE	MIN. VENT PER PERSON (CFM/person)	REQ'D VENT AIR FLOW (CFM)	DESIGN VENT AIR FLOW (CFM)	TRANSFER AIRFLOW (CFM)	DCV (Y/N)	Pass	Fail
1-3-STEINBECK BALLROOM CENT	AHU-1 (E)	8,400	5,628	0.67	8,400	1	Y	AHU-1 (E)	5,585	0.50	374	8	2,806	2,806	NA	Y	☐	☐
2-3-STEINBECK BALLROOM SE	AHU-1 (E)	2,550	1,224	0.48	2,550	1	Y	AHU-1 (E)	1,215	0.50	81	8	611	611	NA	Y	☐	☐
3-3-STEINBECK PRE-FUNCTION	AHU-2 (E)	8,575	2,573	0.30	8,575	1	Y	AHU-2 (E)	7,210	0.50	483	8	3,623	3,623	NA	Y	☐	☐
4-3-STEINBECK PRE-FUNCTION	AHU-2 (E)	550	165	0.30	550	1	Y	AHU-2 (E)	338	0.50	23	8	170	170	NA	Y	☐	☐
5-3-LOBBY MEZZ UPPER	AHU-2 (E)	1,450	435	0.30	1,450	1	Y	AHU-2 (E)	1,081	0.50	72	8	543	543	NA	Y	☐	☐
6-3-SERVICE	AHU-2 (E)	600	234	0.39	600	1	Y	AHU-2 (E)	1,548	0.15	15	15	232	232	NA	N	☐	☐
7-3-STORAGE 306	AHU-2 (E)	200	80	0.40	NA	NA	Y	AHU-2 (E)	528	0.15	1	75	79	79	NA	N	☐	☐
8-3-COLTON 1	AHU-3 (E)	1,300	598	0.46	1,300	1	Y	AHU-3 (E)	584	0.50	39	8	293	293	NA	Y	☐	☐
9-3-COLTON 2	AHU-3 (E)	1,300	598	0.46	1,300	1	Y	AHU-3 (E)	591	0.50	40	8	297	297	NA	Y	☐	☐
10-3-COLTON 3	AHU-3 (E)	1,300	572	0.44	1,300	1	Y	AHU-3 (E)	567	0.50	38	8	285	285	NA	Y	☐	☐
11-3-FERRANTE RM	AHU-4	1,900	798	0.42	1,900	1	Y	AHU-4	789	0.50	53	8	396	396	NA	Y	☐	☐
12-2-CORRIDOR	AHU-7	150	138	0.92	NA	NA	Y	AHU-7	910	0.15	9	15	137	137	NA	N	☐	☐
13-2-MEETING RM 206	AHU-7	1,300	663	0.51	1,300	1	Y	AHU-7	650	0.50	44	8	327	327	NA	Y	☐	☐

Project Name:	MONTEREY CONFERENCE CENTER	NRCC-PRF-01-E	Page 18 of 25
Project Address:	ONE PORTOLA PLAZA MONTEREY 93940	Calculation Date/Time:	13:25, Wed, Jun 10, 2015
Compliance Scope:	ExistingAdditionAndAlteration	Input File Name:	09900 Monterey_VE13-85.cibd

A. MECHANICAL VENTILATION AND REHEAT *(Adapted from 2013-NRCC-MCH-03-E)*

1. DESIGN AIR FLOWS								2. VENTILATION (§ 120.1)									Confirmed	
CONDITIONED ZONE NAME	HEATING / COOLING SYSTEM ID	DESIGN PRIMARY AIR FLOW (CFM)	DESIGN PRIMARY MINIMUM AIR FLOW (CFM)	MINIMUM PRIMARY AIR FLOW FRACTION	MAXIMUM HEATING AIR FLOW (CFM)	MAXIMUM HEATING AIR FLOW FRACTION	DDC CONTROL (Y/N)	VENT SYSTEM ID	CONDITIONED AREA (ft2)	MIN. VENT PER AREA (CFM/ft2)	DESIGN NUM. OF PEOPLE	MIN. VENT PER PERSON (CFM/person)	REQ'D VENT AIR FLOW (CFM)	DESIGN VENT AIR FLOW (CFM)	TRANSFER AIRFLOW (CFM)	DCV (Y/N)	Pass	Fail
14-2-MEETING RM 208	AHU-7	1,300	390	0.30	1,300	1	Y	AHU-7	324	0.50	22	8	163	163	NA	Y	☐	☐
15-2-OFFICE 209	AHU-7	600	180	0.30	600	1	Y	AHU-7	380	0.15	4	15	57	57	NA	N	☐	☐
16-2-LOBBY MEZZ	AHU-8	2,200	660	0.30	2,200	1	Y	AHU-8	2,144	0.50	144	8	1,077	1,077	NA	Y	☐	☐
17-1-MAIN LOBBY EXT	AHU-8	6,600	1,980	0.30	6,600	1	Y	AHU-8	2,429	0.50	163	8	1,221	1,221	NA	Y	☐	☐
18-3-STEINBECK BALLROOM W	AHU-9	6,200	3,844	0.62	6,200	1	Y	AHU-9	3,790	0.50	254	8	1,904	1,904	NA	Y	☐	☐
19-1-PRE-FUNCTION E	AHU-10	3,600	1,800	0.50	3,600	1	Y	AHU-10	3,566	0.50	239	8	1,792	1,792	NA	Y	☐	☐
20-1-KITCHEN	SF-05	6,700	2,010	0.30	6,700	1	Y	SF-05	1,641	0.15	8	30	246	246	NA	N	☐	☐
21-1-KITCHEN STORAGE	SF-05	100	85	0.85	100	1	Y	SF-05	565	0.15	1	75	85	85	NA	N	☐	☐
22-1-RECEIVING OFFICE	SF-05	210	63	0.30	210	1	Y	SF-05	272	0.15	3	15	41	41	NA	N	☐	☐
23-1-SERVICE 107	SF-05	300	258	0.86	300	1	Y	SF-05	1,720	0.15	17	15	258	258	NA	N	☐	☐
24-1-STAFF LOUNGE	SF-05	600	372	0.62	600	1	Y	SF-05	369	0.50	25	8	185	185	NA	Y	☐	☐
25-2-SHOPS	SF-05	100	58	0.58	100	1	Y	SF-05	380	0.15	4	15	57	57	NA	N	☐	☐
26-1-PRE-FUNCTION W	SF-05	4,200	1,260	0.30	4,200	1	Y	SF-05	2,825	0.50	189	8	1,420	1,420	NA	Y	☐	☐
27-1-DE ANZA BALLROOM E/W	SF-05	16,715	11,199	0.67	16,715	1	Y	SF-05	11,134	0.50	746	7	5,595	5,595	NA	Y	☐	☐

Project Name:	MONTEREY CONFERENCE CENTER	NRCC-PRF-01-E	Page 19 of 25
Project Address:	ONE PORTOLA PLAZA MONTEREY 93940	Calculation Date/Time:	13:25, Wed, Jun 10, 2015
Compliance Scope:	ExistingAdditionAndAlteration	Input File Name:	09900 Monterey_VE13-85.cibd

A. MECHANICAL VENTILATION AND REHEAT *(Adapted from 2013-NRCC-MCH-03-E)*

1. DESIGN AIR FLOWS								2. VENTILATION (§ 120.1)									Confirmed	
CONDITIONED ZONE NAME	HEATING / COOLING SYSTEM ID	DESIGN PRIMARY AIR FLOW (CFM)	DESIGN PRIMARY MINIMUM AIR FLOW (CFM)	MINIMUM PRIMARY AIR FLOW FRACTION	MAXIMUM HEATING AIR FLOW (CFM)	MAXIMUM HEATING AIR FLOW FRACTION	DDC CONTROL (Y/N)	VENT SYSTEM ID	CONDITIONED AREA (ft2)	MIN. VENT PER AREA (CFM/ft2)	DESIGN NUM. OF PEOPLE	MIN. VENT PER PERSON (CFM/person)	REQ'D VENT AIR FLOW (CFM)	DESIGN VENT AIR FLOW (CFM)	TRANSFER AIRFLOW (CFM)	DCV (Y/N)	Pass	Fail
28-1-SERRA BALLROOM NE/SE	SF-06	15,500	11,005	0.71	15,500	1	Y	SF-06	10,836	0.50	726	8	5,445	5,445	NA	Y	☐	☐
29-1-N/S PRESS RM	SF-06	350	123	0.35	350	1	Y	SF-06	799	0.15	8	15	120	120	NA	N	☐	☐
30-1-SERRA BALLROOM W	SF-06	13,900	9,730	0.70	13,900	1	Y	SF-06	9,672	0.50	648	7	4,860	4,860	NA	Y	☐	☐
31-1-STORAGE	SF-06	400	192	0.48	400	1	Y	SF-06	1,262	0.15	3	75	189	189	NA	N	☐	☐
								TOTAL	75,704		4,476		34,514	34,514	NA		☐	☐

B. ZONAL SYSTEM AND TERMINAL UNIT SUMMARY — § 140.4

1.	2.	3.	4.		5.	6.	7.			8.			Confirmed	
System ID	System Type	Qty	Rated Capacity (kBtuh)		Economizer	Zone Name	Airflow (cfm)			Fan			Pass	Fail
			Heating	Cooling			Design	Min.	Min. Ratio	BHP	Cycles	ECM Motor		
3-STEINBECK BALLROOM CENT8-TRM	VAVReheatBox	1	54.00	NA	NA	1-3-STEINBECK BALLROOM CENT	8400	5628	0.67	NA	NA	☐	☐	☐
3-STEINBECK BALLROOM SE20-TRM	VAVReheatBox	1	35.00	NA	NA	2-3-STEINBECK BALLROOM SE	2550	1224	0.48	NA	NA	☐	☐	☐
3-STEINBECK PRE-FUNCTION27-TRM	VAVReheatBox	1	144.00	NA	NA	3-3-STEINBECK PRE-FUNCTION	8575	2573	0.30	NA	NA	☐	☐	☐

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B. ZONAL SYSTEM AND TERMINAL UNIT SUMMARY — § 140.4

1.	2.	3.	4.		5.	6.	7.			8.			Confirmed	
System ID	System Type	Qty	Rated Capacity (kBtuh)		Economizer	Zone Name	Airflow (cfm)			Fan			Pass	Fail
			Heating	Cooling			Design	Min.	Min. Ratio	BHP	Cycles	ECM Motor		
3-STEINBECK PRE-FUNCTION37-TRM	VAVReheatBox	1	12.00	NA	NA	4-3-STEINBECK PRE-FUNCTION	550	165	0.30	NA	NA	☐	☐	☐
3-LOBBY MEZZ UPPER42-TRM	VAVReheatBox	1	29.00	NA	NA	5-3-LOBBY MEZZ UPPER	1450	435	0.30	NA	NA	☐	☐	☐
3-SERVICE48-TRM	VAVReheatBox	1	13.00	NA	NA	6-3-SERVICE	600	234	0.39	NA	NA	☐	☐	☐
3-STORAGE 30658-TRM	VAVNoReheatBox	1	NA	NA	NA	7-3-STORAGE 306	200	80	0.40	NA	NA	☐	☐	☐
3-COLTON 167-TRM	VAVReheatBox	1	17.00	NA	NA	8-3-COLTON 1	1300	598	0.46	NA	NA	☐	☐	☐
3-COLTON 272-TRM	VAVReheatBox	1	17.00	NA	NA	9-3-COLTON 2	1300	598	0.46	NA	NA	☐	☐	☐
3-COLTON 377-TRM	VAVReheatBox	1	17.00	NA	NA	10-3-COLTON 3	1300	572	0.44	NA	NA	☐	☐	☐
3-FERRANTE RM84-TRM	VAVReheatBox	1	45.00	NA	NA	11-3-FERRANTE RM	1900	798	0.42	NA	NA	☐	☐	☐
2-CORRIDOR95-TRM	VAVNoReheatBox	1	NA	NA	NA	12-2-CORRIDOR	150	138	0.92	NA	NA	☐	☐	☐
2-MEETING RM 206100-TRM	VAVReheatBox	1	19.00	NA	NA	13-2-MEETING RM 206	1300	663	0.51	NA	NA	☐	☐	☐
2-MEETING RM 208105-TRM	VAVReheatBox	1	10.00	NA	NA	14-2-MEETING RM 208	1300	390	0.30	NA	NA	☐	☐	☐
2-OFFICE 209110-TRM	VAVReheatBox	1	6.00	NA	NA	15-2-OFFICE 209	600	180	0.30	NA	NA	☐	☐	☐
2-LOBBY MEZZ118-TRM	VAVReheatBox	1	157.00	NA	NA	16-2-LOBBY MEZZ	2200	660	0.30	NA	NA	☐	☐	☐
1-MAIN LOBBY EXT123-TRM	VAVReheatBox	1	32.00	NA	NA	17-1-MAIN LOBBY EXT	6600	1980	0.30	NA	NA	☐	☐	☐
3-STEINBECK BALLROOM W133-TRM	VAVReheatBox	1	113.00	NA	NA	18-3-STEINBECK BALLROOM W	6200	3844	0.62	NA	NA	☐	☐	☐
1-PRE-FUNCTION E141-TRM	VAVReheatBox	1	16.00	NA	NA	19-1-PRE-FUNCTION E	3600	1800	0.50	NA	NA	☐	☐	☐

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

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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:
True North NORTH
MONTEREY CONFERENCE CENTER
PORTOLA PLAZA

Seal & Signature:
REGISTERED PROFESSIONAL ENGINEER PAUL O. MCGRATH No. M31660 MECHANICAL STATE OF CALIFORNIA

Sheet Name:
MECHANICAL
TITLE 24
COMPLIANCE
FORMS

Project No.: Project Number
Sheet No.: M0.08
Drawn By: Author
Checked By: Checker
Scale:

Agreement #: Ag-5097 - Page 319 Approved as to Form CAO RISK 329

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B. ZONAL SYSTEM AND TERMINAL UNIT SUMMARY — § 140.4

1.	2.	3.	4.		5.	6.	7.			8.			Confirmed	
System ID	System Type	Qty	Rated Capacity (kBtuh)		Economizer	Zone Name	Airflow (cfm)			Fan			Pass	Fail
			Heating	Cooling			Design	Min.	Min. Ratio	BHP	Cycles	ECM Motor		
1-KITCHEN148-TRM	VAVReheatBox	1	12.00	NA	NA	20-1-KITCHEN	6700	2010	0.30	NA	NA	☐	☐	☐
1-KITCHEN STORAGE155-TRM	VAVReheatBox	1	NA	NA	NA	21-1-KITCHEN STORAGE	100	85	0.85	NA	NA	☐	☐	☐
1-RECEIVING OFFICE160-TRM	VAVReheatBox	1	1.00	NA	NA	22-1-RECEIVING OFFICE	210	63	0.30	NA	NA	☐	☐	☐
1-SERVICE 107165-TRM	VAVReheatBox	1	1.00	NA	NA	23-1-SERVICE 107	300	258	0.86	NA	NA	☐	☐	☐
1-STAFF LOUNGE170-TRM	VAVReheatBox	1	2.00	NA	NA	24-1-STAFF LOUNGE	600	372	0.62	NA	NA	☐	☐	☐
2-SHOPS175-TRM	VAVReheatBox	1	NA	NA	NA	25-2-SHOPS	100	58	0.58	NA	NA	☐	☐	☐
1-PRE-FUNCTION W180-TRM	VAVReheatBox	1	12.00	NA	NA	26-1-PRE-FUNCTION W	4200	1260	0.30	NA	NA	☐	☐	☐
1-DE ANZA BALLROOM E/W185-TRM	VAVReheatBox	1	65.00	NA	NA	27-1-DE ANZA BALLROOM E/W	16715	11199	0.67	NA	NA	☐	☐	☐
1-SERRA BALLROOM NE/SE191-TRM	VAVReheatBox	1	227.00	NA	NA	28-1-SERRA BALLROOM NE/SE	15500	11005	0.71	NA	NA	☐	☐	☐
1-N/S PRESS RM196-TRM	VAVReheatBox	1	6.00	NA	NA	29-1-N/S PRESS RM	350	123	0.35	NA	NA	☐	☐	☐
1-SERRA BALLROOM W201-TRM	VAVReheatBox	1	205.00	NA	NA	30-1-SERRA BALLROOM W	13900	9730	0.70	NA	NA	☐	☐	☐
1-STORAGE206-TRM	VAVReheatBox	1	8.00	NA	NA	31-1-STORAGE	400	192	0.48	NA	NA	☐	☐	☐

C. EXHAUST FAN SUMMARY — Confirmed

1.	2.	3.	4.	5.	Pass	Fail
System ID	Zone Name	Qty	CFM	BHP		
1-KITCHEN	20-1-KITCHEN	1	6750	5.000	☐	☐

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D. DHW EQUIPMENT SUMMARY – *(Adapted from NRCC-PLB-01)* — § 110.3 — Confirmed

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	Pass	Fail
DHW Name	Fuel	Type	Qty	Distribution Type	Rated Input kBtuh	Efficiency	Pilot Energy (Btu/h)	External Tank Insulation	Vol	Standby Loss	Vol. of Suppl. Storage Tank		
GWH-1 Water Heater	NaturalGas	Storage	1	Nonrecirculating	252	Thrml. Eff.: 0.950	750	NA	100	0.02	NA	☐	☐

E. MULTI-FAMILY CENTRAL DHW SYSTEM DETAILS

This Section Does Not Apply

F. SOLAR HOT WATER HEATING SUMMARY (Adapted from NRCC-STH-01)

This Section Does Not Apply

G. MECHANICAL HVAC ACCEPTANCE TESTS & FORMS *(Adapted from 2013-NRCC-MCH-01-E)* — § RA4

Declaration of Required Acceptance Certificates (NRCA) – Acceptance Certificates that may be submitted. (Retain copies and verify forms are completed and signed to post in field for Field Inspector to verify).

Test Description		MCH-02A	MCH-03A	MCH-04A	MCH-05A	MCH-06A	MCH-07A	MCH-08A	MCH-09A	MCH-10A	MCH-11A	MCH-12A	MCH-13A	MCH-14A	MCH-15A	MCH-16A	MCH-17A	MCH-18A	Confirmed	
Equipment Requiring Testing or Verification	# of units	Outdoor Air	Single Zone Unitary	Air Dist. Ducts	Economizer Controls	DCV	Supply Fan VAV	Valve leakage	Supply Water Temp. Reset	Hyd. Variable Flow Control	Auto Demand Shed Control	FDD for DX Units	Auto FDD for Air & Zone	Dist. Energy Storage DX AC	TES Systems	Supply Air Temp. Reset	Condenser Water Reset Controls	ECMS	Pass	Fail
Plant1 - HotWater	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	☐	☐
Plant1 - SHW	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	☐	☐
Plant1 - CW	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	☐	☐

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G. MECHANICAL HVAC ACCEPTANCE TESTS & FORMS *(Adapted from 2013-NRCC-MCH-01-E)* — § RA4

Declaration of Required Acceptance Certificates (NRCA) – Acceptance Certificates that may be submitted. (Retain copies and verify forms are completed and signed to post in field for Field Inspector to verify).

Test Description		MCH-02A	MCH-03A	MCH-04A	MCH-05A	MCH-06A	MCH-07A	MCH-08A	MCH-09A	MCH-10A	MCH-11A	MCH-12A	MCH-13A	MCH-14A	MCH-15A	MCH-16A	MCH-17A	MCH-18A	Confirmed	
Equipment Requiring Testing or Verification	# of units	Outdoor Air	Single Zone Unitary	Air Dist. Ducts	Economizer Controls	DCV	Supply Fan VAV	Valve leakage	Supply Water Temp. Reset	Hyd. Variable Flow Control	Auto Demand Shed Control	FDD for DX Units	Auto FDD for Air & Zone	Dist. Energy Storage DX AC	TES Systems	Supply Air Temp. Reset	Condenser Water Reset Controls	ECMS	Pass	Fail
Plant1 - ChillSys	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	☐	☐
AHU-1 (E)	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	☐	☐
AHU-2 (E)	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	☐	☐
AHU-3 (E)	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	☐	☐
AHU-4	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	☐	☐
AHU-7	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	☐	☐
AHU-8	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	☐	☐
AHU-9	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	☐	☐
AHU-10	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	☐	☐
SF-05	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	☐	☐
1-KITCHEN	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	☐	☐
SF-06	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	☐	☐

NRCC-PRF-LTI-DETAILS -SECTION START-

A. INDOOR CONDITIONED LIGHTING CONTROL CREDITS (Adapted from NRCC-LTI-02-E) — § 140.6

This Section Does Not Apply

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B. INDOOR CONDITIONED LIGHTING MANDATORY LIGHTING CONTROLS (Adapted from NRCC-LTI-02-E) — § 130.1

This Section Does Not Apply

§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

C. TAILORED METHOD LIGHTING POWER ALLOWANCE SUMMARY AND CHECKLIST (Adapted from NRCC-LTI-04-E) — § 140.6

General lighting power (see Table D)	0
General lighting power from special function areas (see Table E)	NA
Additional "use it or lose it" (See Table G)	0
Total watts	0

D. GENERAL LIGHTING POWER (Adapted from NRCC-LTI-04-E) — § 140.6-D

This Section Does Not Apply

E. GENERAL LIGHTING FROM SPECIAL FUNCTION AREAS (Adapted from NRCC-LTI-04-E) — § 140.6(c) 3H

Room Number	Primary Function Area	Illuminance Value (LUX)	Room Cavity Ratio (Table G)	Allowed LPD	Floor Area (ft^2)	Allowed Watts	Confirmed Pass	Confirmed Fail
NA	NA	NA	NA	NA	NA	NA	☐	☐

Note: Tailored Method for Special Function Areas is not currently implemented

F. ROOM CAVITY RATIO (Adapted from NRCC-LTI-04-E)

Rectangular Spaces

Room Number	Task/Activity Description	Room Length (ft)	Room Width (ft)	Room Cavity Height (ft)	RCR	Confirmed Pass	Confirmed Fail
NA	NA	NA	NA	NA	NA	☐	☐

Non-Rectangular Spaces

This Section Does Not Apply

Note: All applicable spaces are listed under the Non-Rectangular Spaces table

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CITY OF MONTEREY
CITY HALL

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

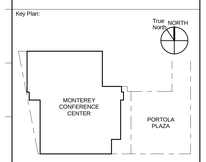
Architect:
SOM
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

Consultants:
WSP
405 Howard St., Suite 500
San Francisco, CA 94105
(415) 398-3833
www.wspgroup.com/usa

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	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015

Key Plan:



Seal & Signature:



Sheet Name:

MECHANICAL TITLE 24 COMPLIANCE FORMS

Project No.: Project Number	Sheet No.: M0.09
Drawn By: Author	
Checked By: Checker	
Scale:	

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G. ADDITIONAL "USE IT OR LOSE IT" (Adapted from NRCC-LTI-04-E)

1.	2.	3.	4.	Allowed Watts	Confirmed	
Wall Display	Combined Floor Display and Task Lighting	Combined Ornamental and Special Effects Lighting	Very Valuable Merchandise		Pass	Fail
0	0	0	0	**0**	☐	☐

5. Wall Display

This Section Does Not Apply

6. Floor Display and Task Lighting

This Section Does Not Apply

7. Combined Ornamental and Special Effects Lighting

This Section Does Not Apply

8. Very Valuable Merchandise

This Section Does Not Apply

H. INDOOR & OUTDOOR LIGHTING ACCEPTANCE TESTS & FORMS (Adapted from NRCC-LTI-01-E and NRCC-LTO-01-E) **§ 130.4**

Declaration of Required Acceptance Certificates (NRCA) –Acceptance Certificates that must be verified in the field. (Retain copies and verify forms are completed and signed to post in field for Field Inspector to verify).

Test Description		Indoor			Outdoor	Confirmed	
		NRCA-LTI-02-A	NRCA-LTI-03-A	NRCA-LTI-04-A	NRCA-LTO-02-A		
Equipment Requiring Testing or Verification	# of units	Occ Sensors / Auto Time Switch	Auto Daylight	Demand Responsive	Outdoor Controls	Pass	Fail
Occupant Sensors		☐	☐	☐	☐	☐	☐
Automatic Time Switch		☐	☐	☐	☐	☐	☐
Automatic Daylighting		☐	☐	☐	☐	☐	☐
Demand Responsive		☐	☐	☐	☐	☐	☐
Outdoor Controls		☐	☐	☐	☐	☐	☐

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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:

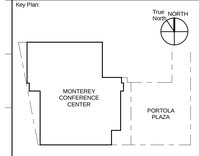
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405 Howard St., Suite 500
San Francisco, CA 94105
(415) 398-3833
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Key Plan:



Seal & Signature:



Sheet Name:

MECHANICAL
TITLE 24
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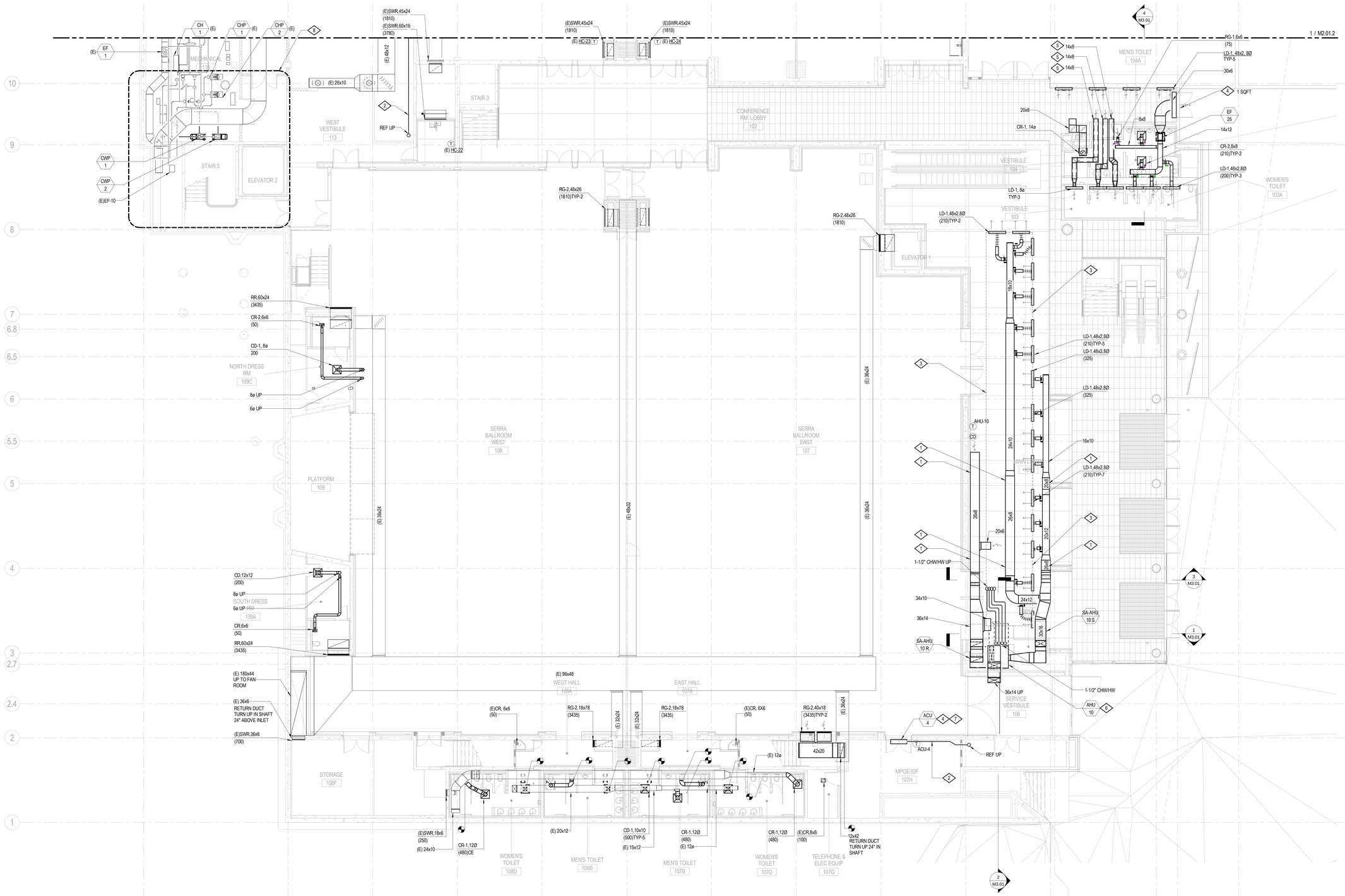
Project No.:	Sheet No.:
Project Number	M0.10
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Checked By: Checker	
Scale:	

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.

SHEET NOTES:

A. EVERY DUCT BRANCH TO AN AIR DEVICE SHALL HAVE AN ELECTRONIC REMOTE VOLUME DAMPER. REFER TO DETAIL #13 ON SHEET M5.01.



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

Approved as to Form CAO RISK

A10015:10:53:12 AM

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ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL

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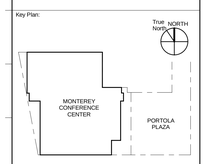
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	BID SET	26 AUG 2015

Key Plan:



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REGISTERED PROFESSIONAL ENGINEER
PAUL O. MCMAHON
No. M23980
MECHANICAL
STATE OF CALIFORNIA

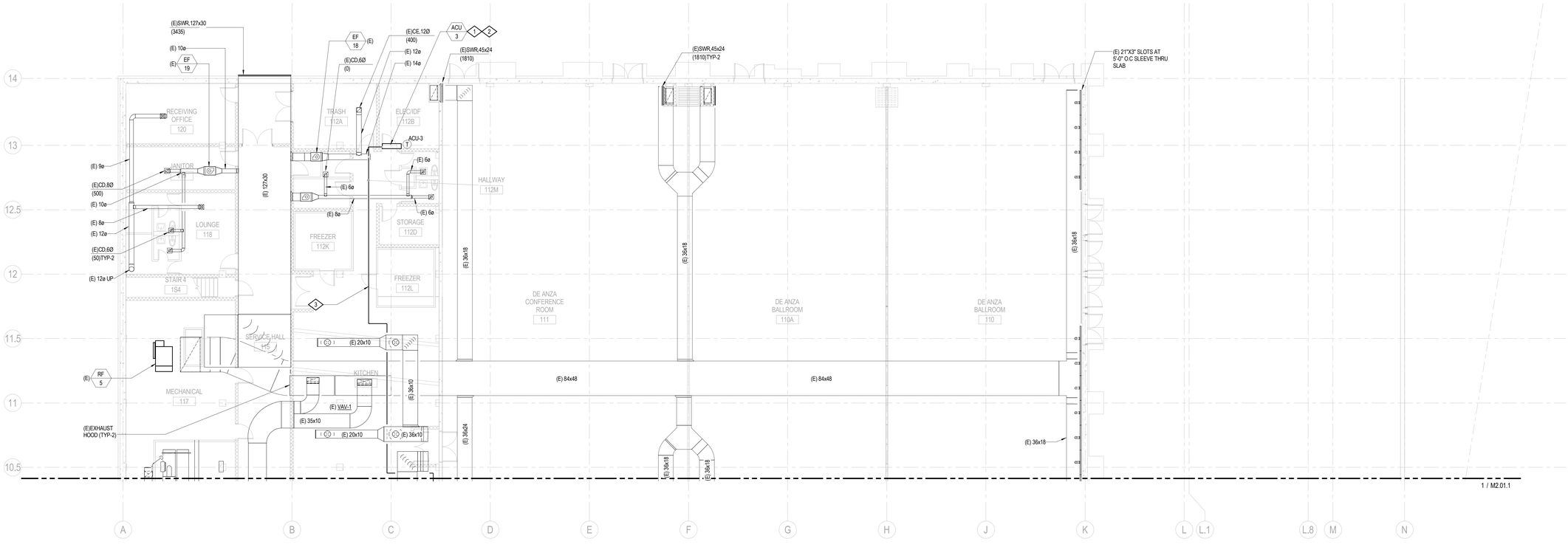
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MECHANICAL LEVEL 1 PLAN – SOUTH

Project No.:	Sheet No.:
Project Number	M2.01.1
Drawn By: Author	
Checked By: Checker	
Scale: 1/8" = 1'-0"	

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 LEVEL 1- HVAC PLAN - NORTH
1/8" = 1'-0"

Agreement #: Ag-5097 - Page 320 of 329
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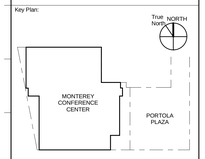
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Key Plan:



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PAUL O. MCGRATH
No. M31660
MECHANICAL
STATE OF CALIFORNIA

Sheet Name:

MECHANICAL LEVEL 1 PLAN - NORTH

Project No.: Project Number	Sheet No.: M2.01.2
Drawn By: Author	
Checked By: Checker	
Scale: 1/8" = 1'-0"	

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 M02.02.1, 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.

SHEET NOTES:

A. EVERY DUCT BRANCH TO AN AIR DEVICE SHALL HAVE AN ELECTRONIC REMOTE VOLUME DAMPER EXCEPT FOR AREAS WHERE THE DAMPER IS ABOVE ACCESSIBLE ACT CEILINGS. REFER TO DETAIL #13 ON SHEET M5.01.

1 MEZZANINE LEVEL- HVAC PLAN - SOUTH
1/8" = 1'-0"

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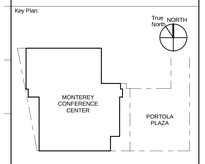
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	BID SET	26 AUG 2015

Key Plan:


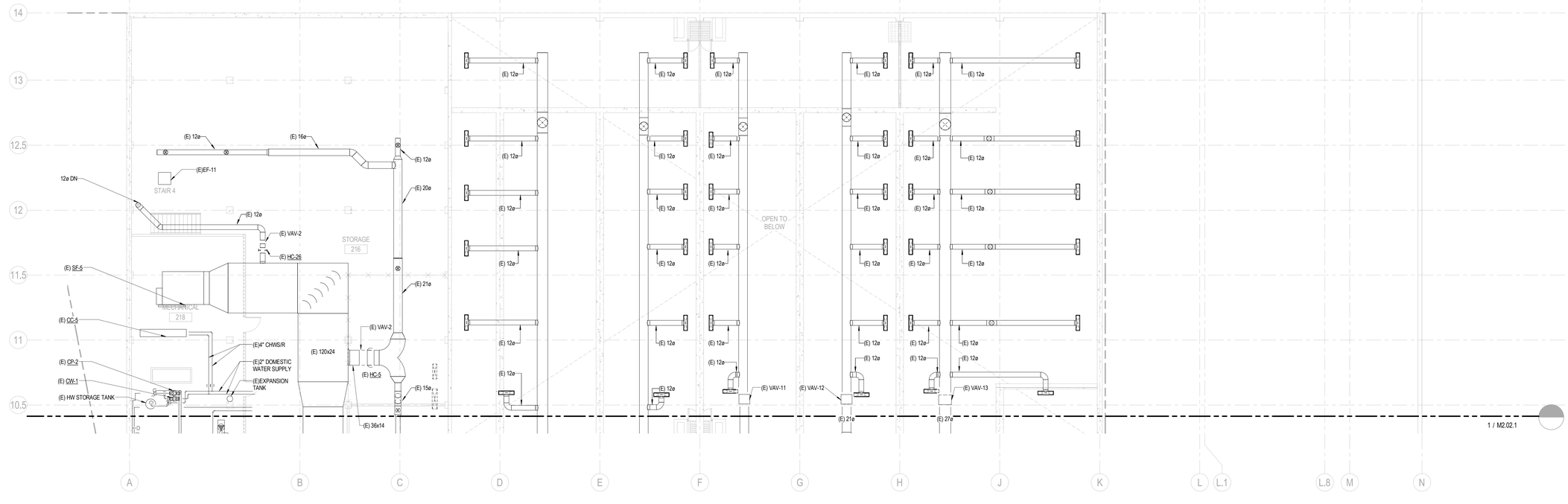
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REGISTERED PROFESSIONAL ENGINEER
PAUL O. McGRATH
No. M33980
MECHANICAL
STATE OF CALIFORNIA

Sheet Name:
MECHANICAL MEZZANINE LEVEL PLAN – SOUTH

Project No.: Project Number	Sheet No.: M2.02.1
Drawn By: Author	
Checked By: Checker	
Scale: 1/8" = 1'-0"	

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

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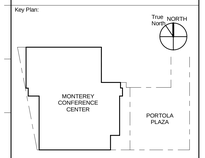
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PAUL O. MCGRATH
No. M31660
MECHANICAL
STATE OF CALIFORNIA

Sheet Name:

MECHANICAL MEZZANINE LEVEL PLAN - NORTH

Project No.:	Sheet No.:
Project Number	M2.02.2
Drawn By: Author	
Checked By: Checker	
Scale: 1/8" = 1'-0"	

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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 M02.03.1.
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.

NUMBERED NOTES:

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. EVERY DUCT BRANCH TO AN AIR DEVICE SHALL HAVE AN ELECTRONIC REMOTE VOLUME DAMPER EXCEPT FOR AREAS WHERE THE DAMPER IS LOCATED ABOVE ACCESSIBLE ACT CEILINGS. 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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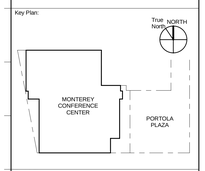
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Key Plan:



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REGISTERED PROFESSIONAL ENGINEER
PAUL O. MCGRATH
No. M33980
MECHANICAL
STATE OF CALIFORNIA

Sheet Name:

MECHANICAL
LEVEL 2 PLAN

Project No.: Project Number	Sheet No.: M2.03
Drawn By: Author	
Checked By: Checker	
Scale: 1/8" = 1'-0"	

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Agreement #: Ag-5097 - Page 320 of 329

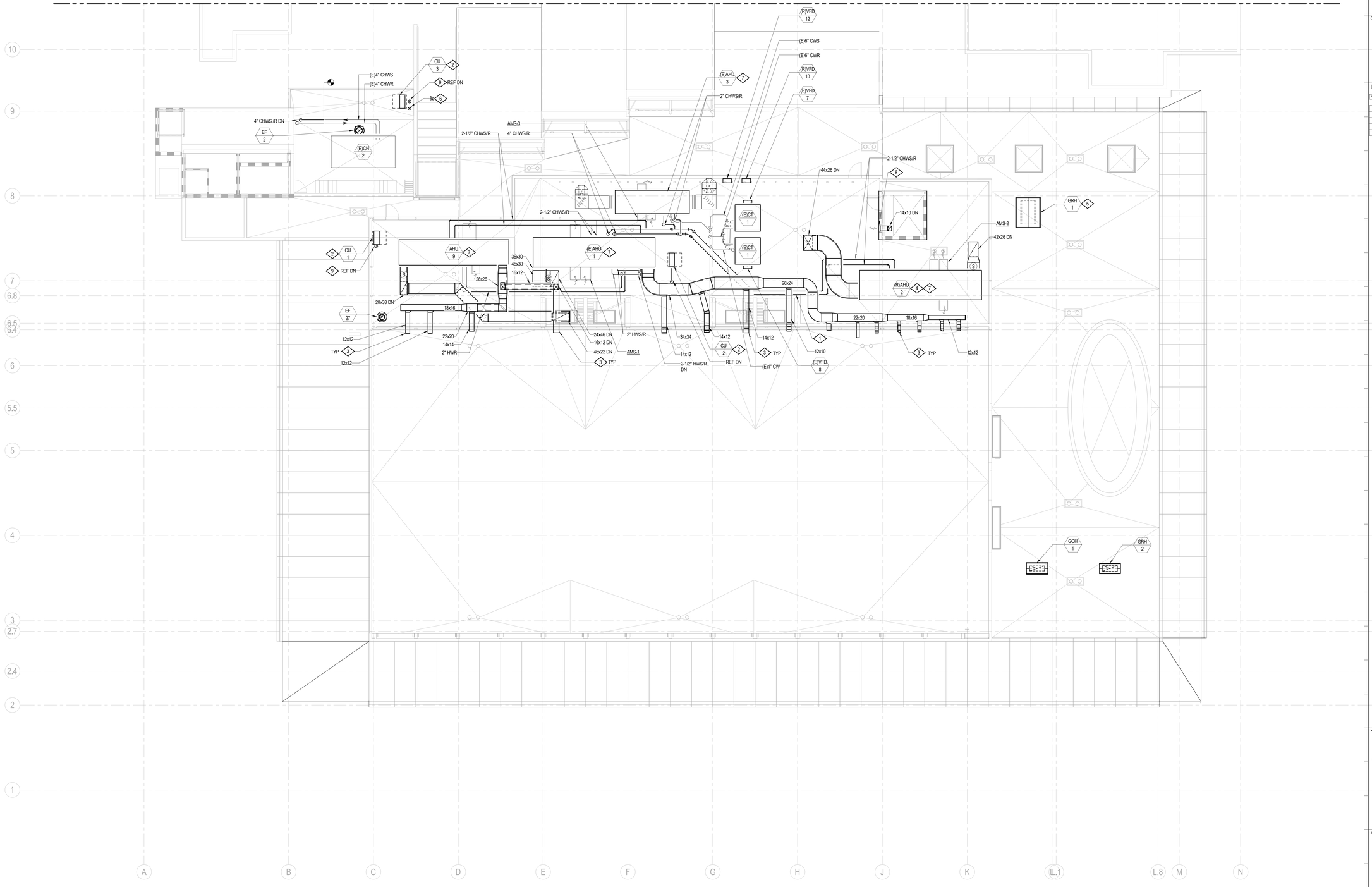
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NUMBERED NOTES:

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.

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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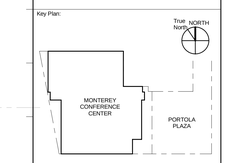
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Key Plan:



Seal & Signature:

REGISTERED PROFESSIONAL ENGINEER
PAUL D. MCGRAW
No. M33580
MECHANICAL
STATE OF CALIFORNIA

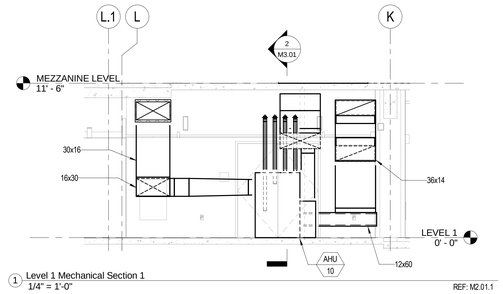
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MECHANICAL ROOF PLAN

Project No.: Project Number	Sheet No.: M2.04
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Checked By: Checker	
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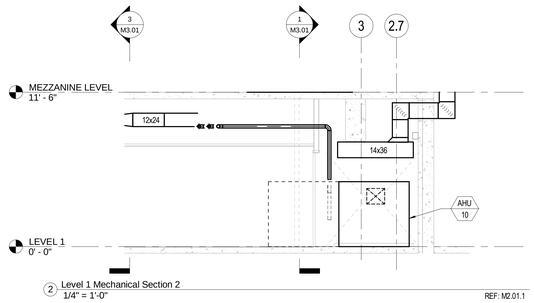
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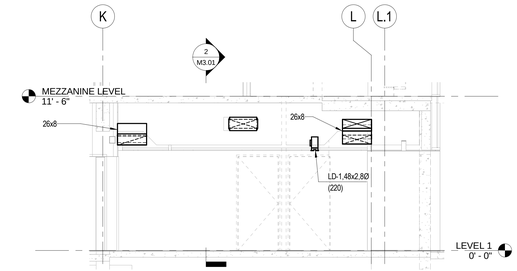
1 Level 1 Mechanical Section 1
1/4" = 1'-0"

REF: M2.01.1



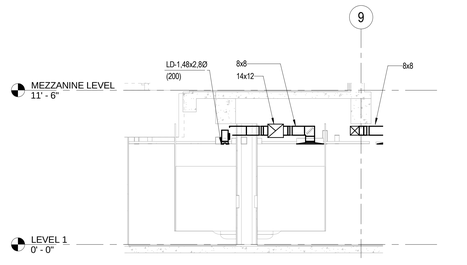
2 Level 1 Mechanical Section 2
1/4" = 1'-0"

REF: M2.01.1



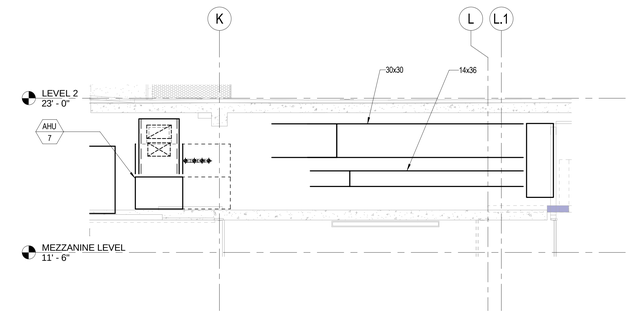
3 Level 1 Mechanical Section 3
1/4" = 1'-0"

REF: M2.01.1



4 Level 1 Mechanical Section 4
1/4" = 1'-0"

REF: M2.01.1



5 Level Mezzanine Mechanical Section 5
1/4" = 1'-0"

REF: M2.02.1

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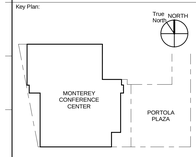
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No. M31680
MECHANICAL
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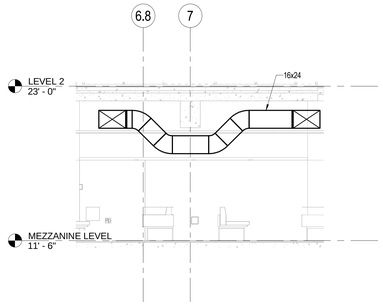
MECHANICAL SECTIONS LEVEL 1 & MEZZANINE

Project No.:	Sheet No.:
Project Number	
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Checked By: Checker	
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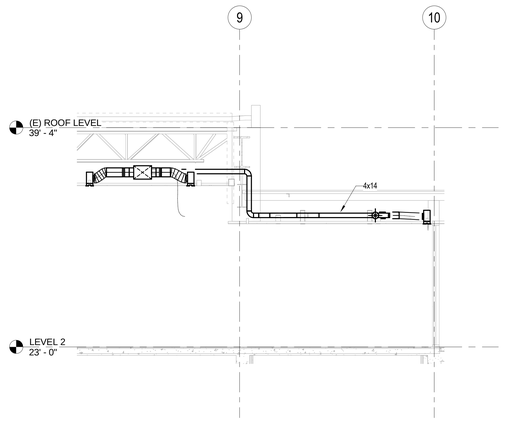
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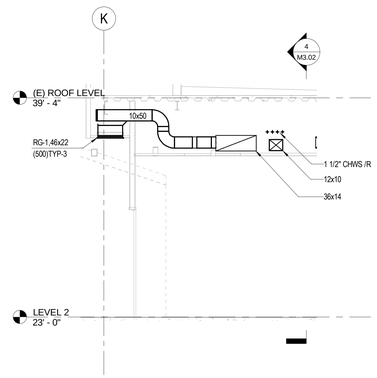
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1 Level Mezzanine Mechanical Section 1
1/4" = 1'-0"

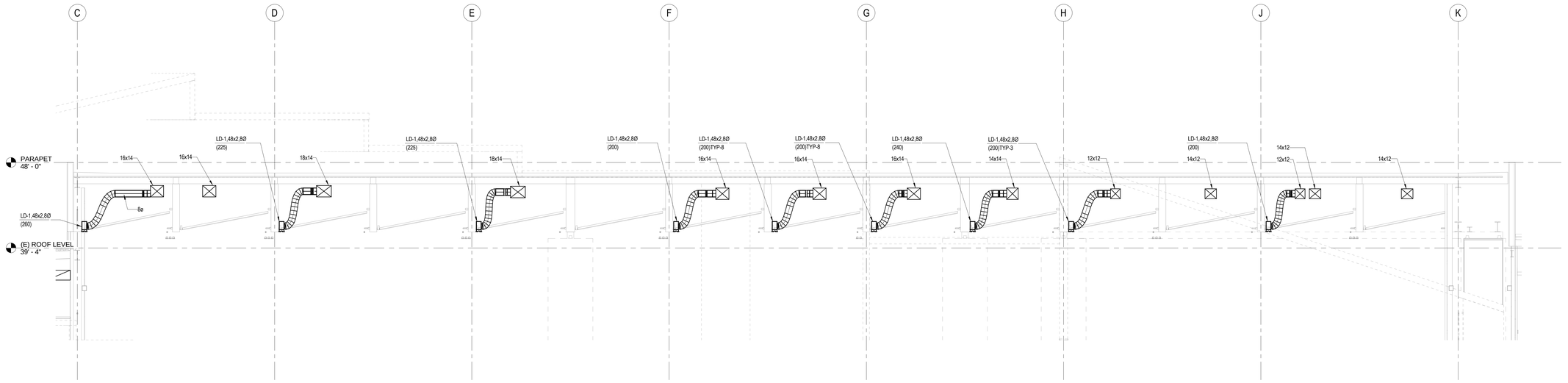


5 Level 2 Mechanical Section 5
1/4" = 1'-0"



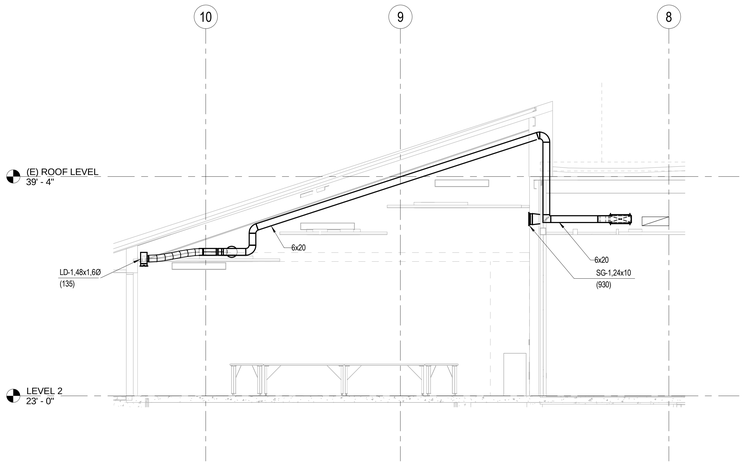
6 Level 2 Mechanical Section 6
1/4" = 1'-0"

REF: M2.02.1



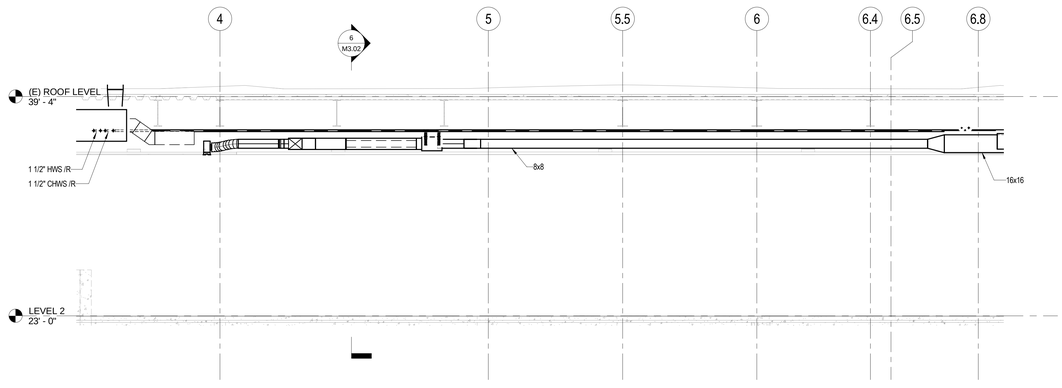
2 Level 2 Mechanical Section 2
1/4" = 1'-0"

REF: M2.03



3 Level 2 Mechanical Section 3
1/4" = 1'-0"

REF: M2.03



4 Level 2 Mechanical Section 4
1/4" = 1'-0"

REF: M2.03

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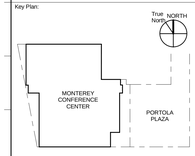
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PAUL O. McCRAYS
No. M33980
MECHANICAL
STATE OF CALIFORNIA

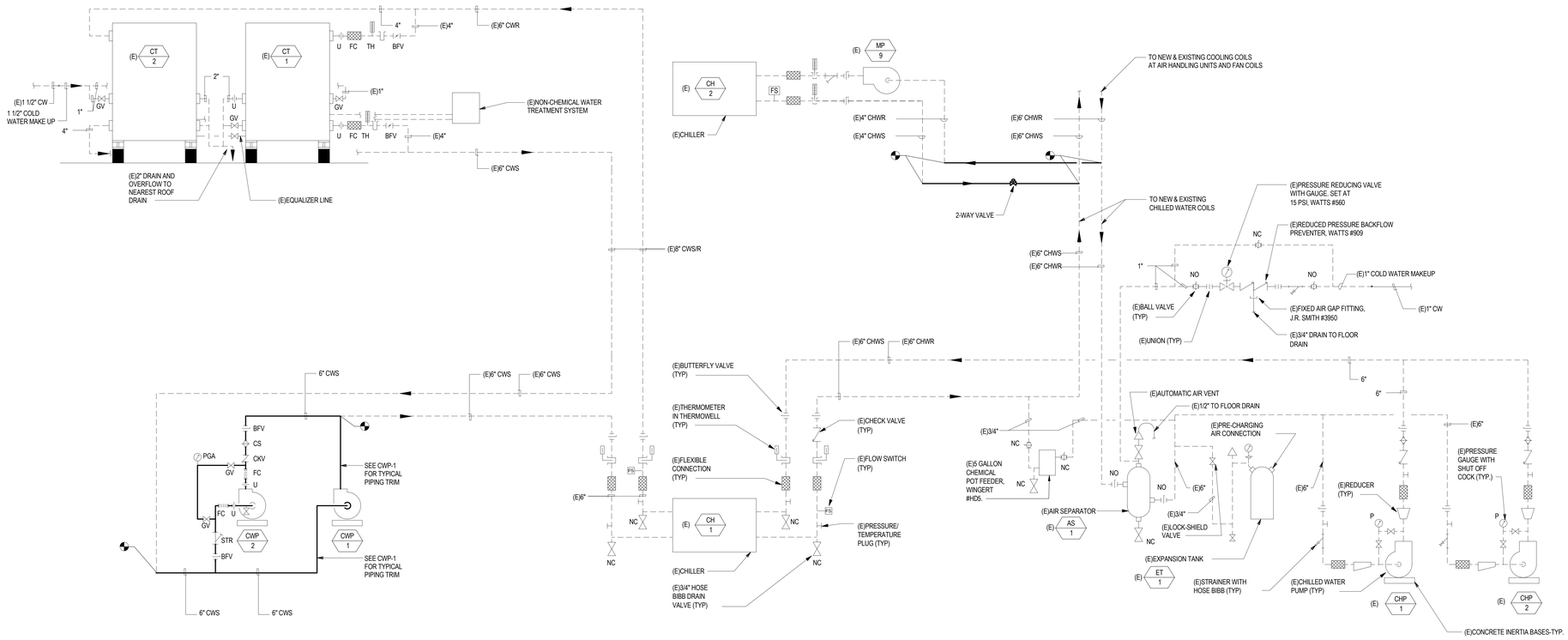
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MECHANICAL SECTIONS LEVEL MEZZANINE & 2

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Checked By: Checker	
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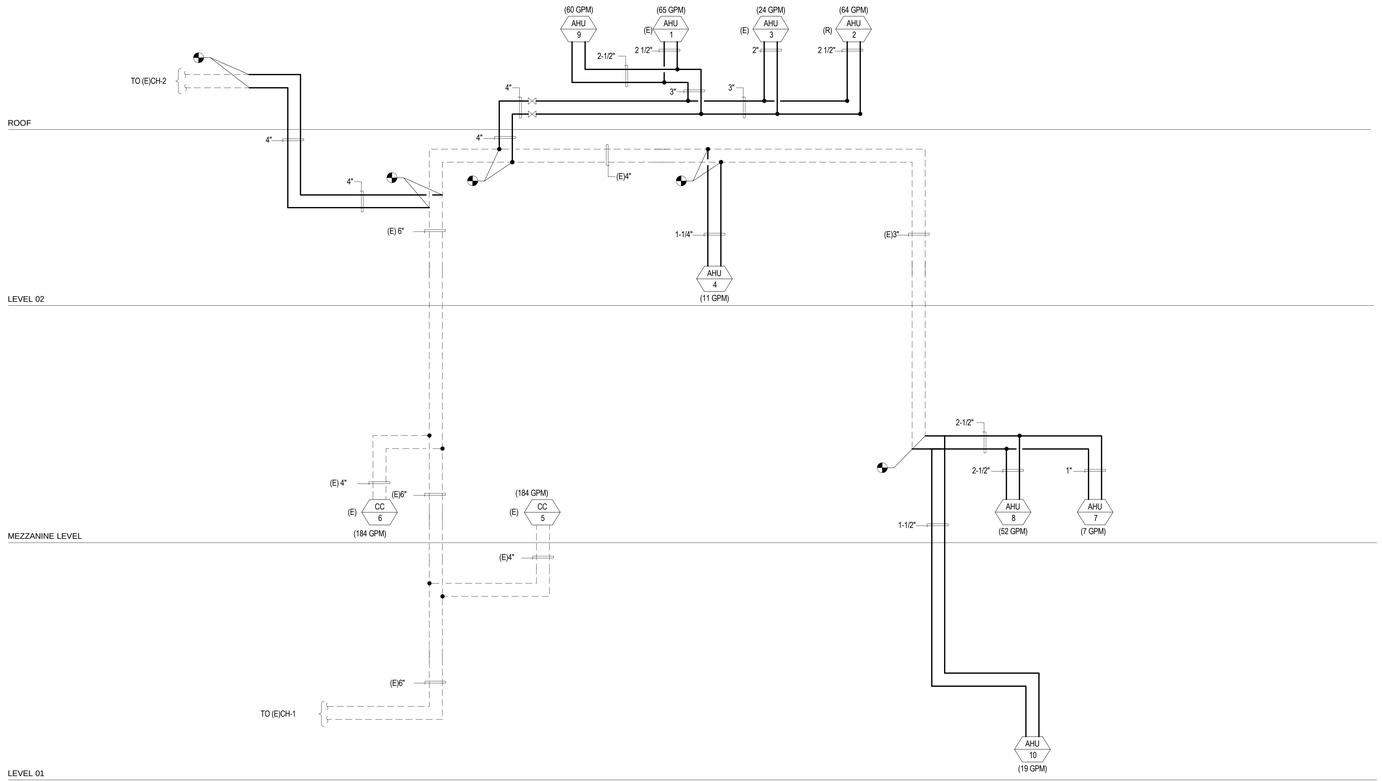
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8/20/2015 3:03:58 AM



1 CHILLED WATER AND CONDENSER WATER SYSTEM DIAGRAM

SCALE: NONE



2 CHILLED WATER COIL RISER DIAGRAM

SCALE: NONE

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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

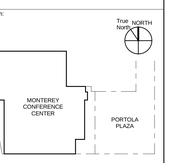
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PAUL O. McGRATH
No. M31660
MECHANICAL
STATE OF CALIFORNIA

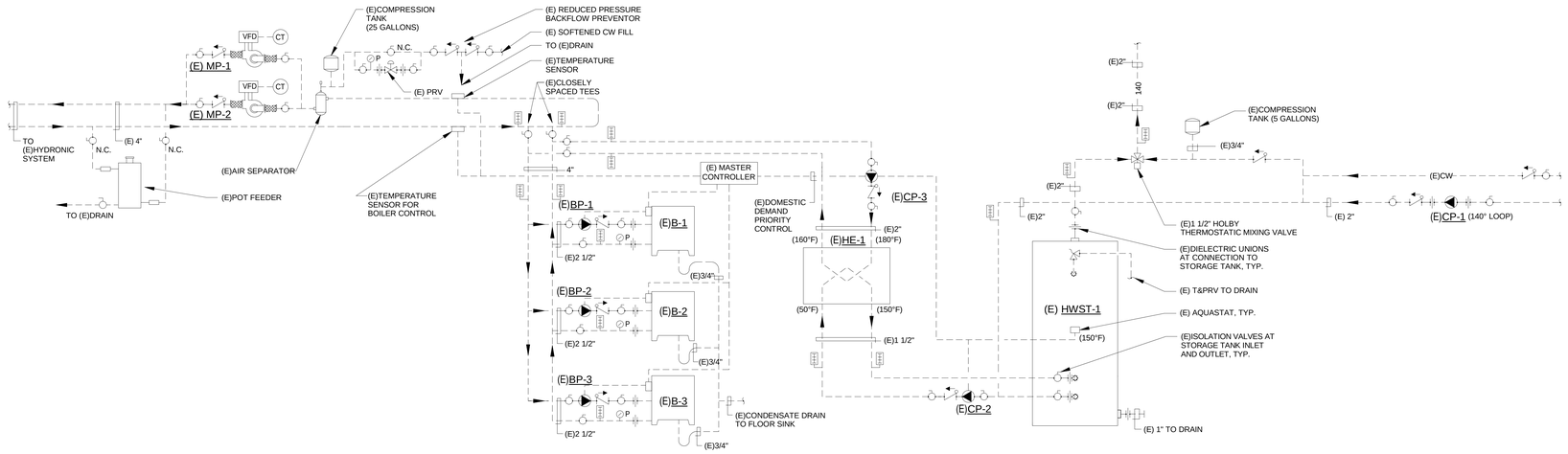
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MECHANICAL CHILLED WATER AND CONDENSER WATER PIPING DIAGRAM

Project No.: Project Number	Sheet No.: M4.01
Drawn By: Author	
Checked By: Checker	
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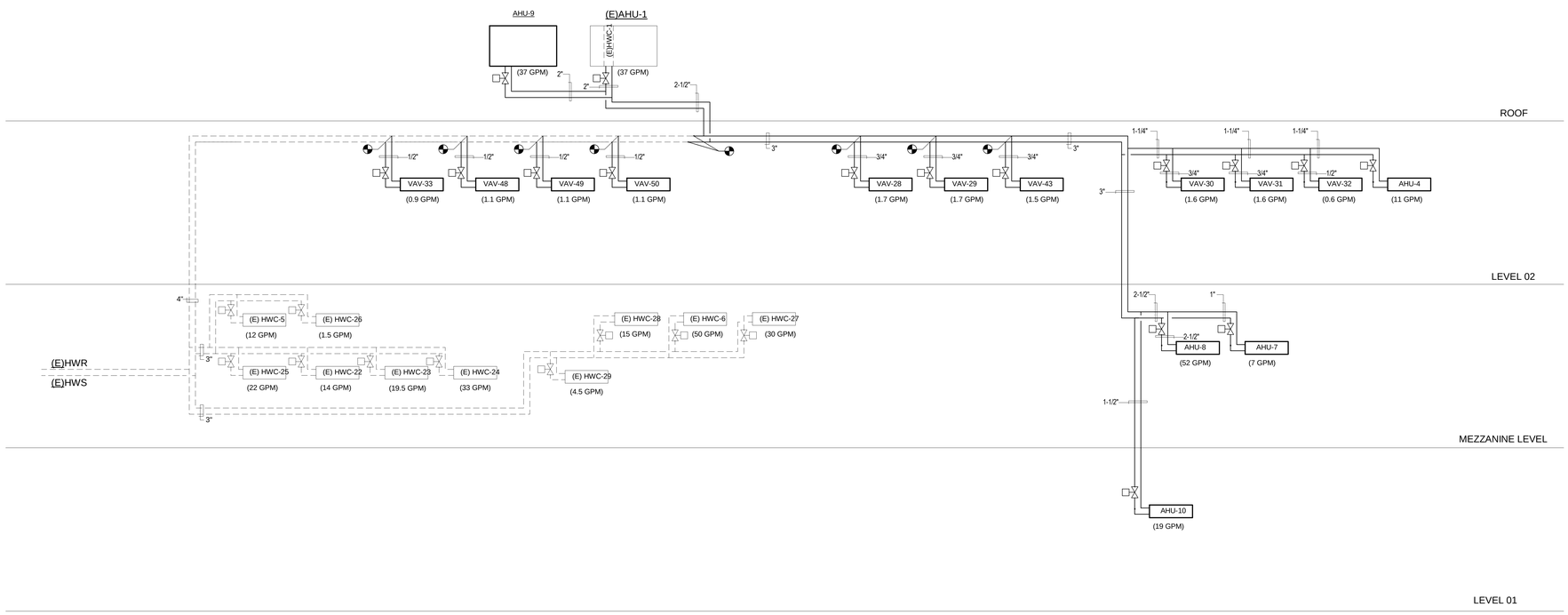
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2/20/2015 10:54:03 AM



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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CITY HALL

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Architect:

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SAN FRANCISCO, CA 94111

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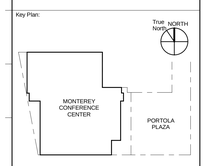
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MECHANICAL
STATE OF CALIFORNIA

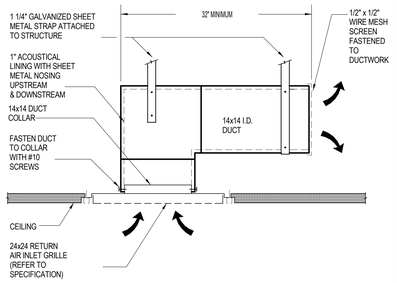
Sheet Name:

MECHANICAL
HOT WATER
PIPING DIAGRAM

Project No.: Project Number	Sheet No.: M4.02
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Checked By: Checker	
Scale:	

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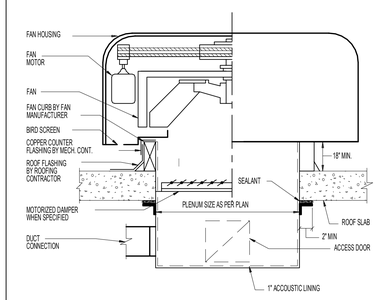
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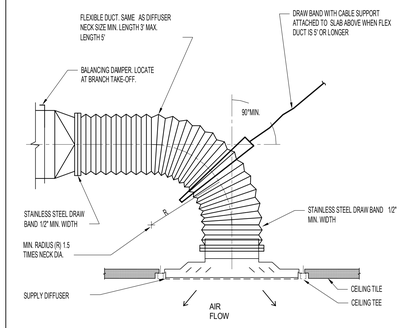
NOTES:

1. WHERE TIGHT CONDITION OBSTRUCTS INSTALLATION SHOWN, USE 24x24 RETURN AIR INLET GRILLE WITH 14" DIAMETER COLLAR AND 14" DIAMETER ACOUSTICAL FLEXIBLE DUCT APPROXIMATELY 4'-0" LONG. SUPPORT FLEXIBLE DUCT RIGIDLY IN PLACE.
2. PROVIDE WHERE SHOWN ON DRAWINGS.

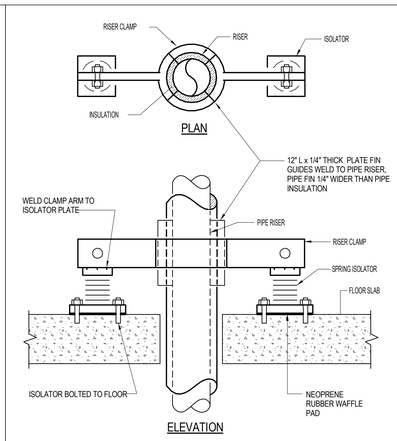
12 ACOUSTIC ELBOW ON RETURN AIR INLET — NO SCALE



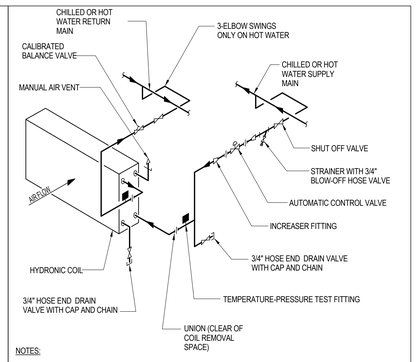
10 ROOF EXHAUST FAN — NO SCALE



7 DIFFUSER CONNECTION DETAIL — NO SCALE



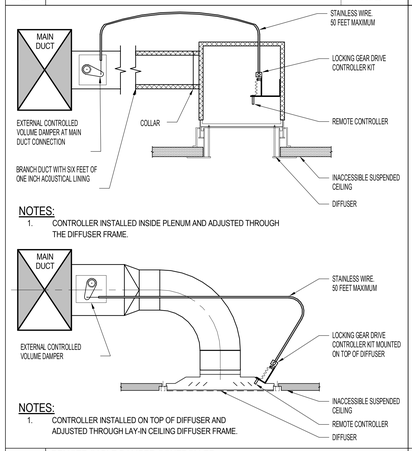
4 PIPE RISER ISOLATORS — NO SCALE



NOTES:

1. ALL BRANCH PIPING, SUPPLY, RETURN AND VERTICAL HEADERS TO BE FULL SIZE BOTTOM CONNECTION FROM MAIN (REFER TO DRAWINGS FOR PIPE SIZE).
2. ALL HORIZONTAL CONNECTIONS TO COIL FROM VERTICAL HEADERS TO BE SIZE OF COIL CONNECTION OUTLET/INLET, U.O.N.

1 SINGLE HYDRONIC COIL PIPING (2-WAY CONTROL VALVE) — NO SCALE



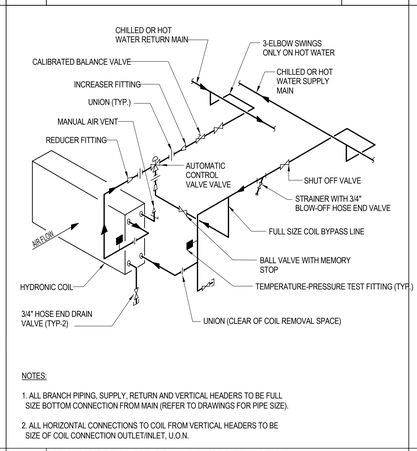
NOTES:

1. CONTROLLER INSTALLED INSIDE PLENUM AND ADJUSTED THROUGH THE DIFFUSER FRAME.

NOTES:

1. CONTROLLER INSTALLED ON TOP OF DIFFUSER AND ADJUSTED THROUGH LAY-IN CEILING DIFFUSER FRAME.

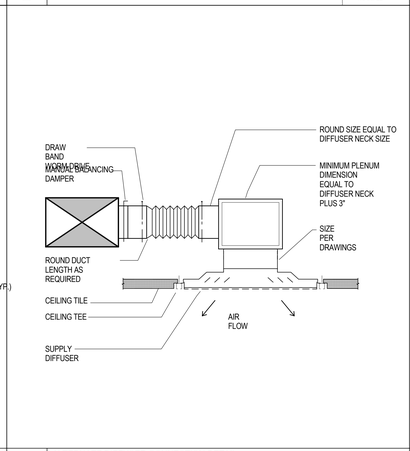
13 REMOTE CABLE DAMPER CONTROLLER — NO SCALE



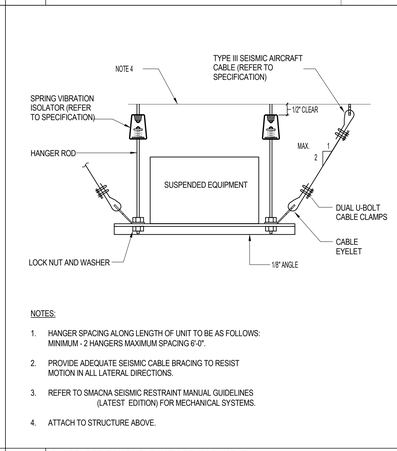
NOTES:

1. ALL BRANCH PIPING, SUPPLY, RETURN AND VERTICAL HEADERS TO BE FULL SIZE BOTTOM CONNECTION FROM MAIN (REFER TO DRAWINGS FOR PIPE SIZE).
2. ALL HORIZONTAL CONNECTIONS TO COIL FROM VERTICAL HEADERS TO BE SIZE OF COIL CONNECTION OUTLET/INLET, U.O.N.

11 SINGLE HYDRONIC COIL PIPING (3-WAY CONTROL VALVE) — NO SCALE



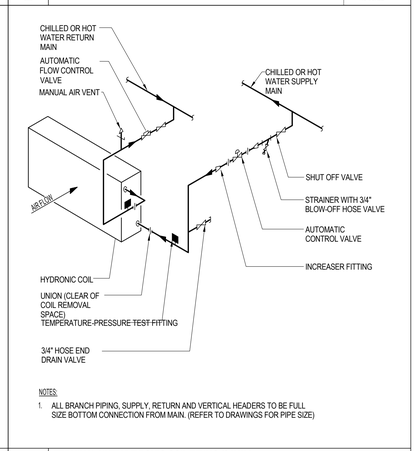
8 ALTERNATE DIFFUSER CONNECTION DETAIL — NO SCALE



NOTES:

1. HANGER SPACING ALONG LENGTH OF UNIT TO BE AS FOLLOWS: MINIMUM - 2 HANGERS MAXIMUM SPACING 6'-0".
2. PROVIDE ADEQUATE SEISMIC CABLE BRACING TO RESIST MOTION IN ALL LATERAL DIRECTIONS.
3. REFER TO SMACNA SEISMIC RESTRAINT MANUAL GUIDELINES (LATEST EDITION) FOR MECHANICAL SYSTEMS.
4. ATTACH TO STRUCTURE ABOVE.

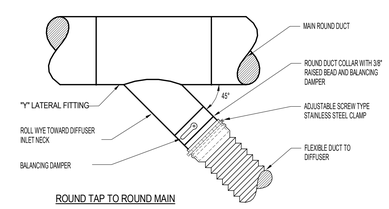
5 SUSPENDED EQUIPMENT WITH SEISMIC CABLES — NO SCALE



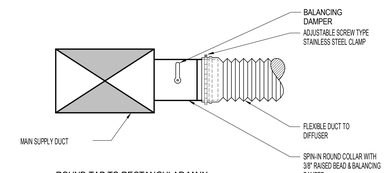
NOTES:

1. ALL BRANCH PIPING, SUPPLY, RETURN AND VERTICAL HEADERS TO BE FULL SIZE BOTTOM CONNECTION FROM MAIN. (REFER TO DRAWINGS FOR PIPE SIZE)

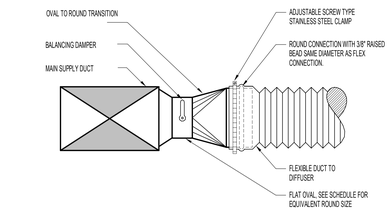
2 TERMINAL UNIT HYDRONIC COIL PIPING (2-WAY CONTROL VALVE) — NO SCALE



ROUND TAP TO ROUND MAIN



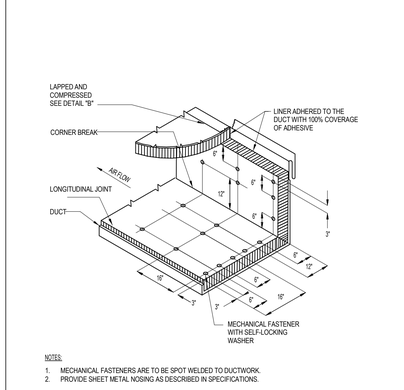
ROUND TAP TO RECTANGULAR MAIN (TAP SMALLER THAN MAIN)



FLAT OVAL EQUIVALENT ROUND	
ROUND ⌀	FLAT OVAL INCHES
6"	4x9
7"	5x10
8"	6x11
10"	6x11
12"	7x20
14"	8x22
16"	8x30

ROUND TAP TO RECTANGULAR MAIN (TAP LARGER THAN MAIN)

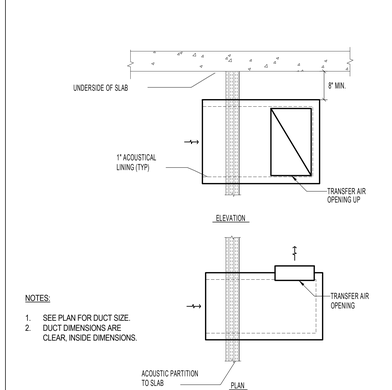
14 LOW PRESSURE BRANCH DUCT CONNECTIONS — NO SCALE



NOTES:

1. MECHANICAL FASTENERS ARE TO BE SPOT WELDED TO DUCTWORK.
2. PROVIDE SHEET METAL NOSING AS DESCRIBED IN SPECIFICATIONS.

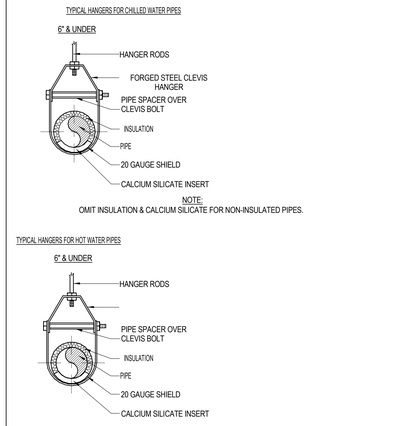
9 ACOUSTICAL DUCT LINING DETAIL — NO SCALE



NOTES:

1. SEE PLAN FOR DUCT SIZE.
2. DUCT DIMENSIONS ARE CLEAR, INSIDE DIMENSIONS.

6 TYPICAL RETURN AIR ACOUSTIC TRANSFER BOOT DETAIL — NTS



3 HOT AND CHILLED WATER PIPE HANGER (SINGLE PIPES) — NO SCALE

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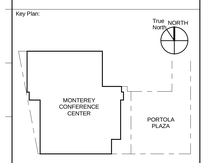
Architect:
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SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

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Sheet Name:

MECHANICAL DETAILS

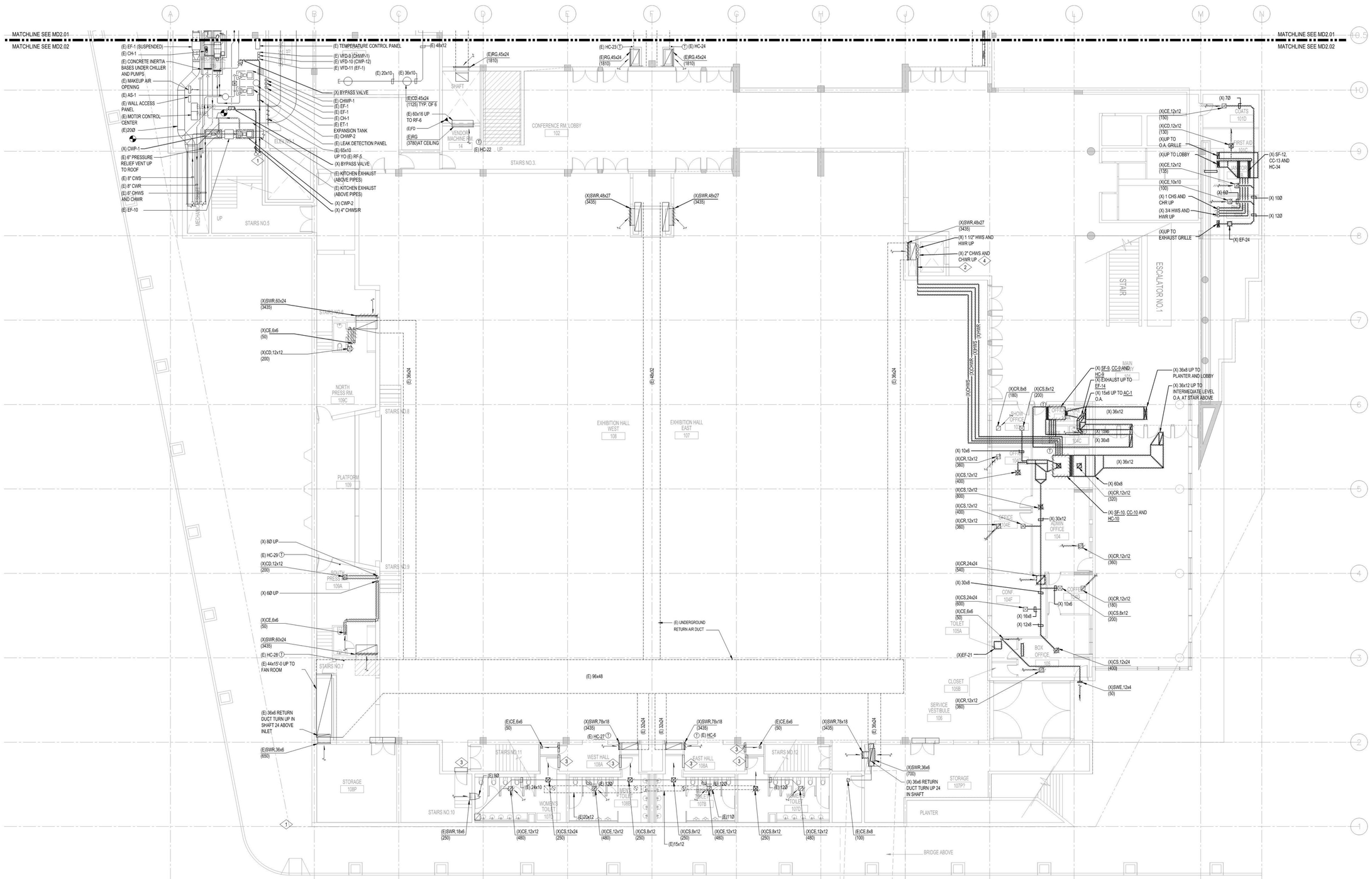
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Drawn By: Author	
Checked By: Checker	
Scale: NTS	

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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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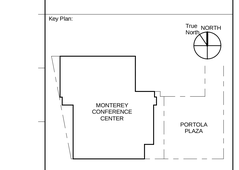
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PAUL D. McGRAW
No. M23980
MECHANICAL
STATE OF CALIFORNIA

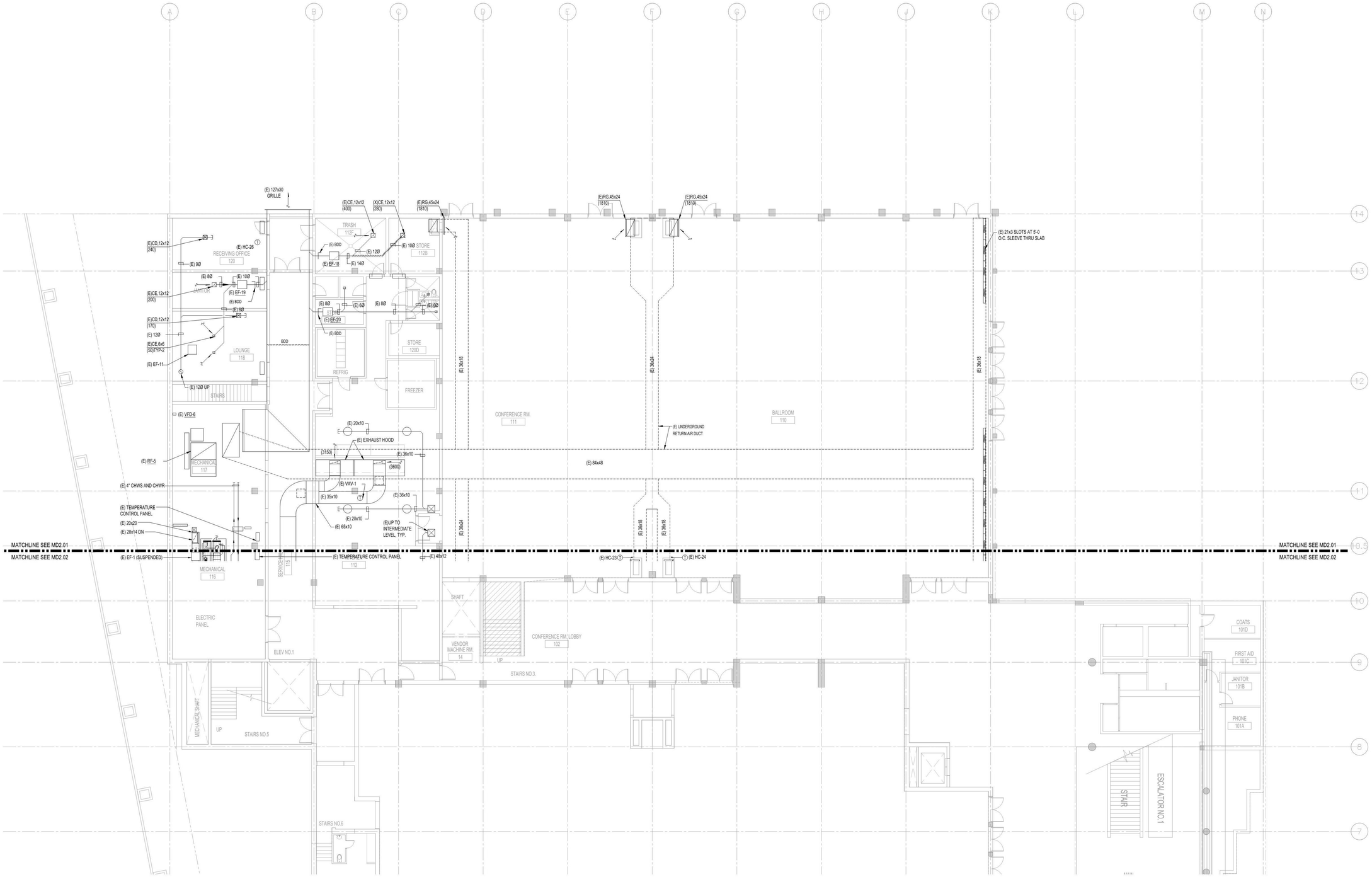
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MECHANICAL LEVEL 1 DEMOLITION PLAN – SOUTH

Project No.: Project Number	Sheet No.: MD2.01.1
Drawn By: Author	
Checked By: Checker	
Scale: 1/8" = 1'-0"	

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Architect:

SOM

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Consultants:

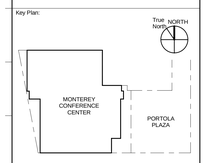
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Key Plan:



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REGISTERED PROFESSIONAL ENGINEER
PAUL D. McMAHON
No. M31680
MECHANICAL
STATE OF CALIFORNIA

Sheet Name:

MECHANICAL LEVEL 1 DEMOLITION PLAN - NORTH

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Checked By: Checker	
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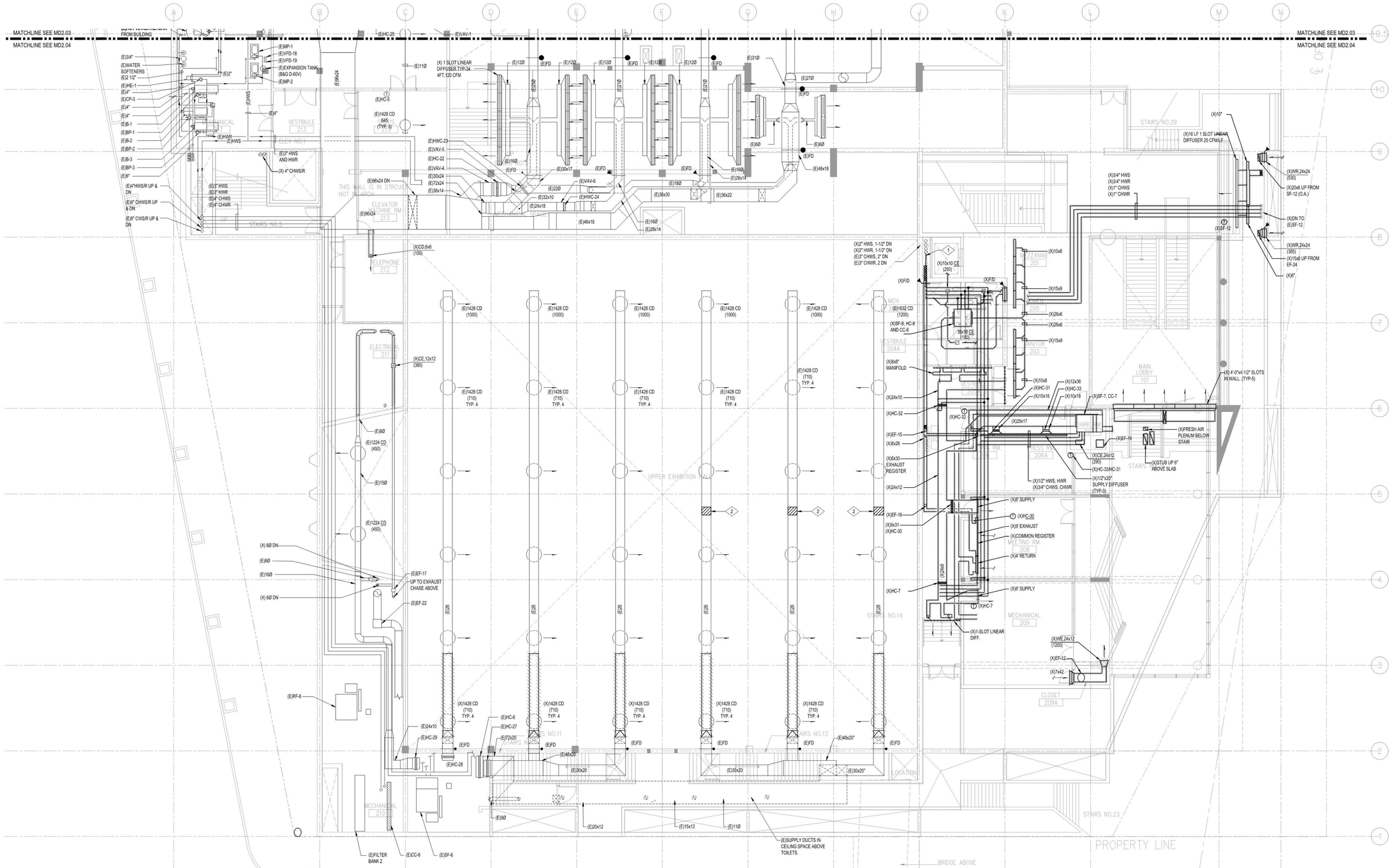
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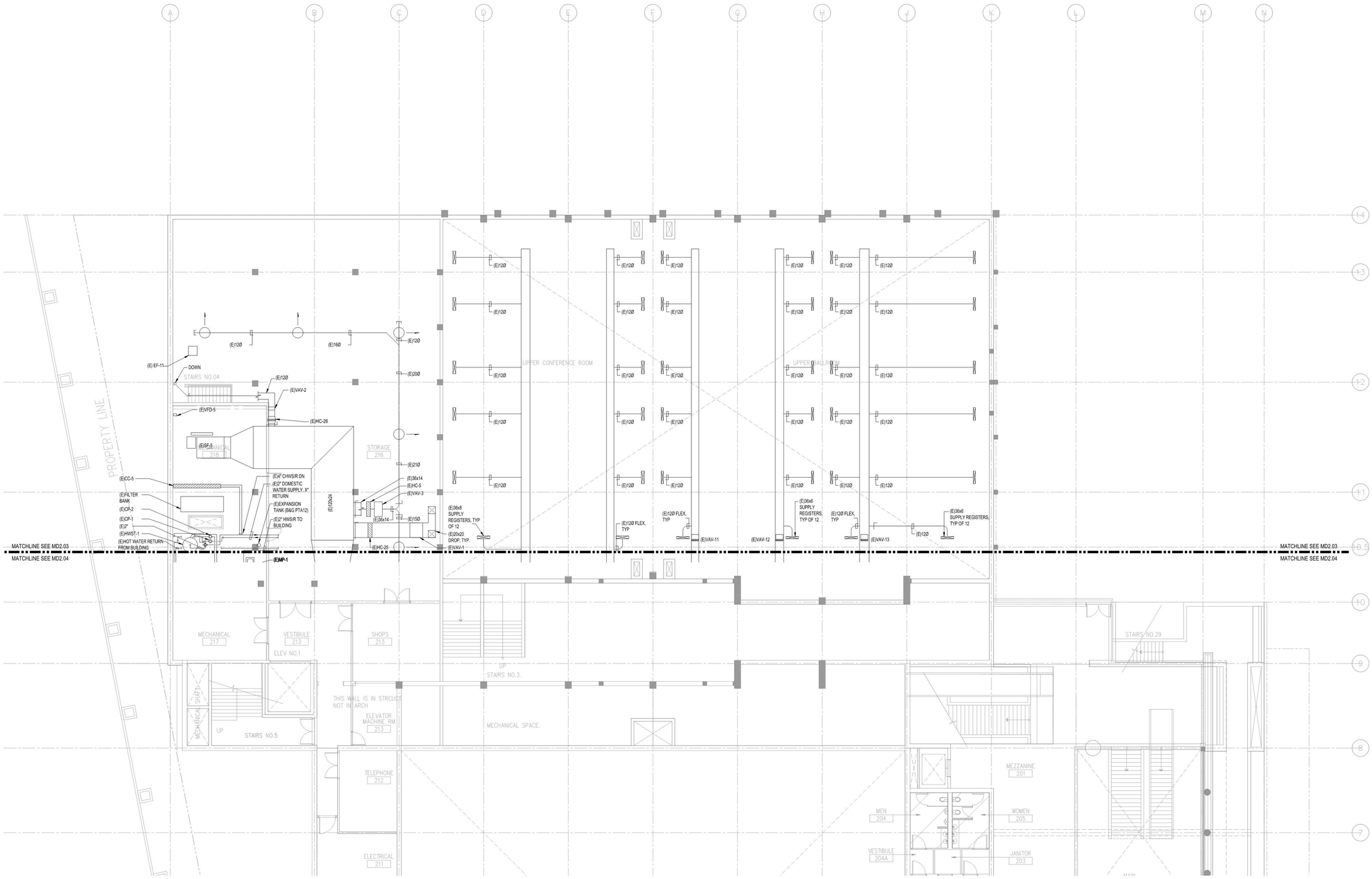
Agreement #: Ag-5097 - Page 321 of 329

2/20/15 10:54:08 AM

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.


MATCHLINE SEE MD2.03
MATCHLINE SEE MD2.04
MATCHLINE SEE MD2.03
MATCHLINE SEE MD2.04
(E)HC-25
(E)VAV-1
(E)3/4"
(E)WATER SOFTENERS
(E)2 1/2"
(E)HE-1
(E)4"
(E)CP-3
(E)4"
(E)4"
(E)B-1
(E)BP-1
(E)B-2
(E)BP-2
(E)B-3
(E)BP-3
(E)6"
(E)4"HWS/R UP & DN
(E)6" CHWS/R UP & DN
(E)8" CWS/R UP & DN
(E)MP-1
(E)VFD-18
(E)VFD-19
(E)EXPANSION TANK (B&G D-60V)
(E)MP-2
(E)2"
(E)HWS
(E)4"
(E)HWR
(E)HWS
(E)3" HWS AND HWR
(X) 4" CHWS/R
(E)3" HWS
(E)3" HWR
(E)4" CHWS
(E)4" CHWR
(E)96x24
(E)HC-5
(E)1428 CD 645 (TYP. 5)
(E)11Ø
(E)96x24 DN
(E)96x24
(X) 1 SLOT LINEAR DIFFUSER TYP-34 4FT,120 CFM
(E)12Ø
(E)FD
(E)20Ø
(E)16Ø
(E)30x17
(E)22Ø
(E)32x10
(E)24x18
(E)46x18
(E)HWC-23
(E)VAV-5
(E)HC-22
(E)VAV-4
(E)30x24
(E)72x24
(E)36x14
(E)VAV-6
(E)HWC-24
(E)18Ø
(E)36x30
(E)36x22
(E)16Ø
(E)28x14
(E)10
(E)31Ø
(E)27Ø
(E)6Ø
(E)48x18
(E)28x14
(X)CD.6x6 (100)
(E)1428 CD (1000)
(E)1428 CD (710) TYP. 4
(X)CE.12x12 (380)
(E)Ø
(E)1224 CD (450)
(E)15Ø
(X) 8Ø DN
(E)8Ø
(E)16Ø
(X) 6Ø DN
(E)EF-17
UP TO EXHAUST CHASE ABOVE
(E)EF-22
(E)26
(E)RF-6
(E)FILTER BANK 2
(E)CC-6
(E)SF-6
(E)24x10
(E)HC-29
(E)HC-28
(E)HC-6
(E)HC-27
(E)72x20
(E)48x20
(E)30x20
(E)9Ø
(E)20x12
(E)15x12
(E)11Ø
(E)SUPPLY DUCTS IN CEILING SPACE ABOVE TOILETS.
(X)2" HWS, 1-1/2" DN
(X)2" HWR, 1-1/2" DN
(E)3" CHWS, 2" DN
(E)3" CHWR, 2 DN
(X)10x10 CE (250)
(X)F/D
(E)1632 CD (1200)
(X)SF-8, HC-8 AND CC-8
10x10 CE (190)
(X)8x8" MANIFOLD
(X)24x10
(X)HC-32
(X)EF-15
(X)8x26
(X)6x30 EXHAUST REGISTER
(X)24x12
(X)EF-16
(X)9x31
(X)HC-30
(X)HC-7
(X)0Ø.6
(X)1-SLOT LINEAR DIFF.
(X)10x8
(X)HC-31
(X)10x18
(X)29x17
(X)12x36
(X)HC-33
(X)SF-7, CC-7
(X)HC-33
(X)1/2"x20" SUPPLY DIFFUSER (TYP-3)
(X)F SUPPLY
(X)HC-30
(X)F EXHAUST
(X)COMMON REGISTER
(X)4" RETURN
(X)F SUPPLY
(X)HC-7
(X)IWE.24x12 (1200)
(X)EF-12
(X)7x42
(X)10"
(X)16 LF 1 SLOT LINEAR DIFFUSER 25 CFM/LF
(X)3/4" HWS
(X)3/4" HWR
(X)1" CHWS
(X)1" CHWR
(X)WR.24x24 (530)
(X)20x6 UP FROM SF-12 (O.A.)
(X)DN TO (E)SF-12
(X)SF-12
(X)WR.24x24 (385)
(X)15x6 UP FROM EF-24
(X)6"
(X)10x8
(X)15x9
(X)26x6
(X)26x6
(X)15x9
(X)EF-14
(X)FRESH AIR PLENUM BELOW STAIR
(X)CE.24x12 (290)
(X)HC-33/HC-31
(X)STUB UP 6" ABOVE SLAB
(X)1/2" HWS, HWR
(X)3/4" CHWS, CHWR
(X) 4'-0"x4-1/2" SLOTS IN WALL (TYP-5)
(X)HC-31
(X)HC-30
(X)HC-7
(X)SF-12
(X)EF-24
(X)EF-12
(X)EF-16
(X)HC-33
(X)HC-32



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:

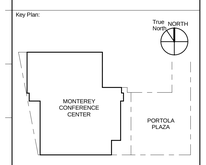
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	BID SET	26 AUG 2015

Key Plan:



Seal & Signature:



Sheet Name:

MECHANICAL
MEZZANINE
LEVEL
DEMOLITION
PLAN – NORTH

Project No.:	Sheet No.:
Project Number	MD2.02.2
Drawn By: Author	
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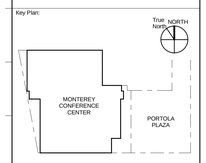
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REGISTERED PROFESSIONAL ENGINEER
PAUL O. MCGRATH
No. M33980
MECHANICAL
STATE OF CALIFORNIA

Sheet Name:

MECHANICAL LEVEL 2 DEMOLITION PLAN

Project No.:	Sheet No.:
Project Number	MD2.03
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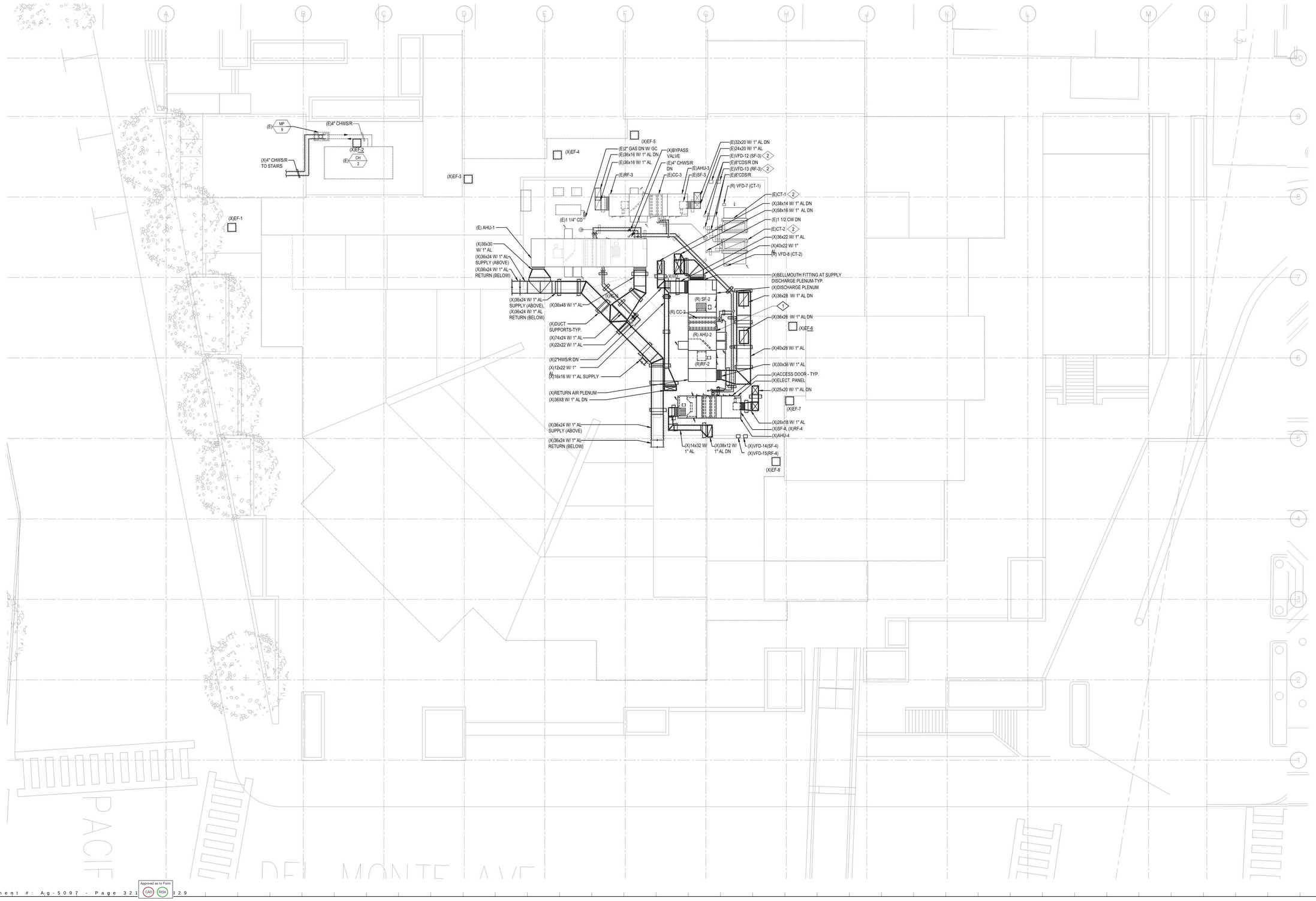
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SHEET NOTES

A. PRIOR TO COMMENCEMENT OF DEMOLITION, PRESSURE TEST (E) ROOFTOP DUCTWORK, AND SUBMIT A PLAN TO REPAIR ANY LEAKS FOUND.

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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TEL: (831) 646-5601

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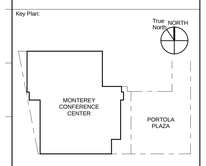
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No. M33680
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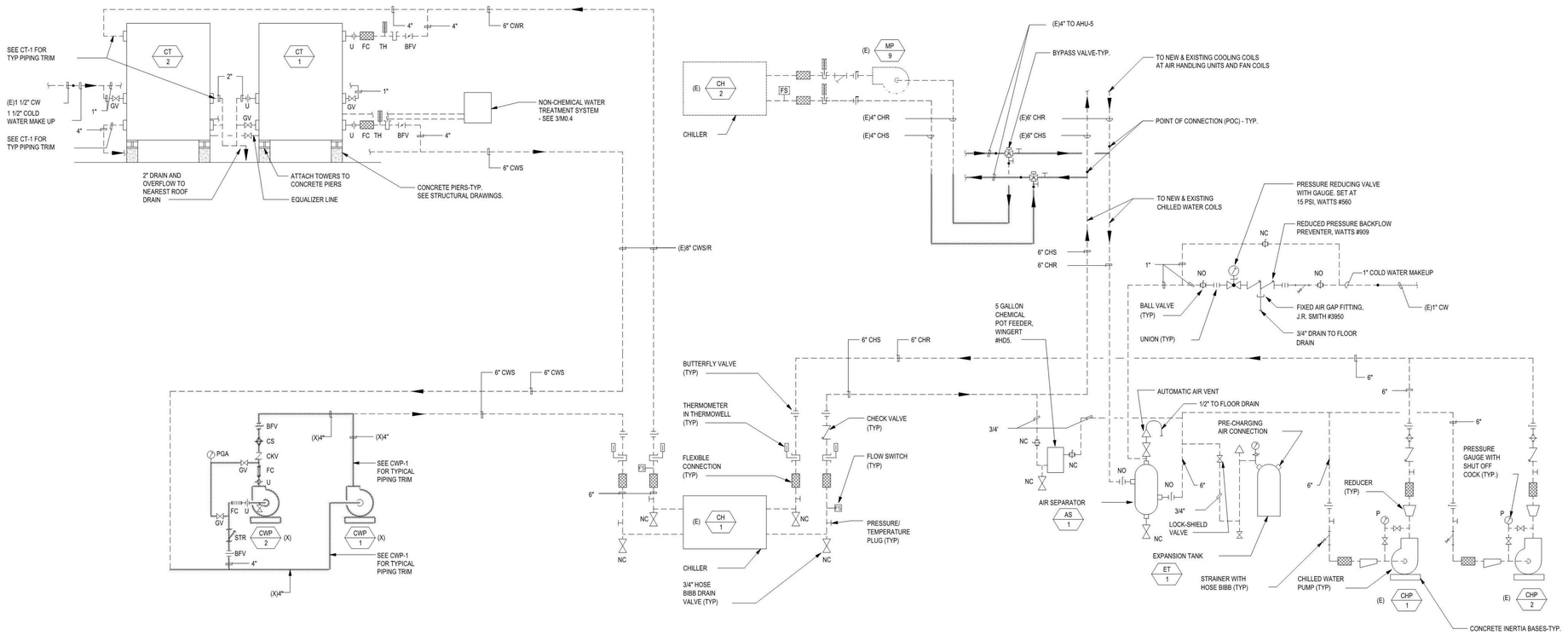
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MECHANICAL ROOF DEMOLITION PLAN

Project No.: Project Number
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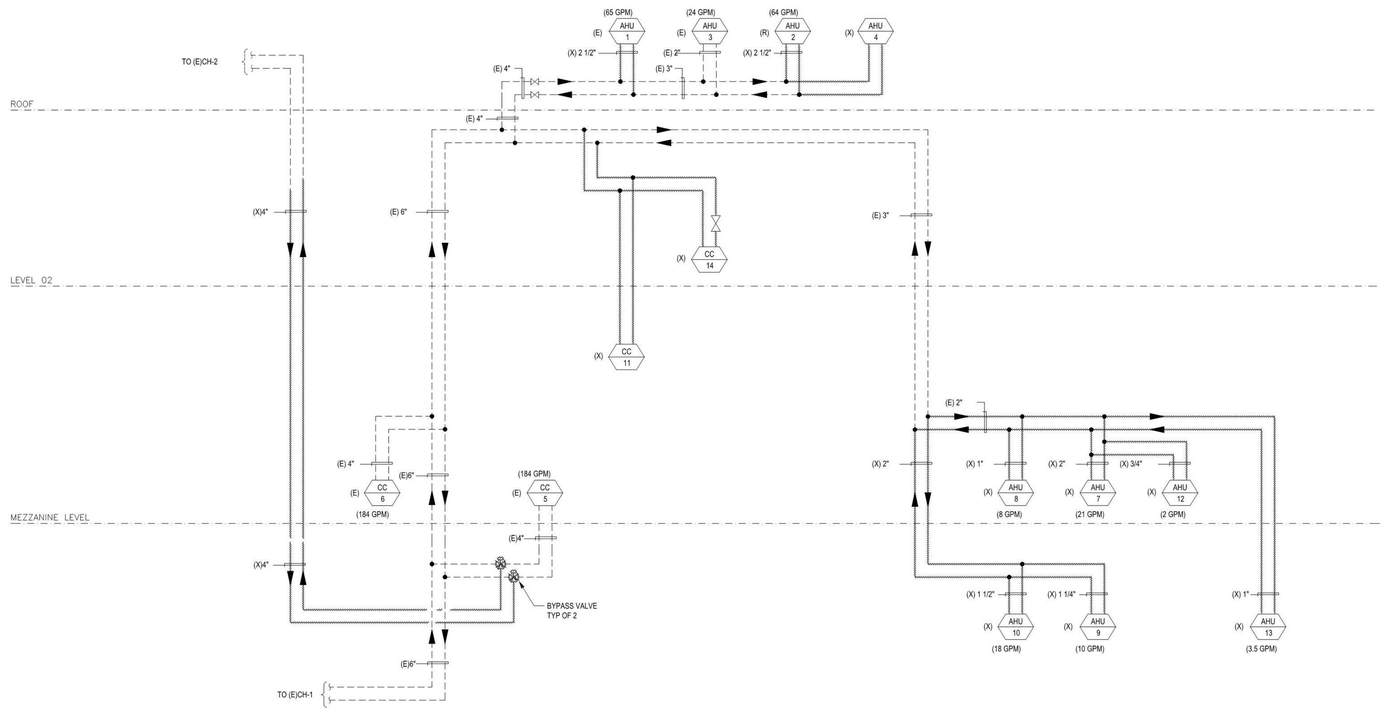
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8/20/15 10:47 AM



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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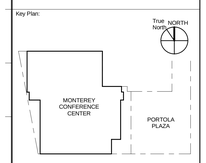
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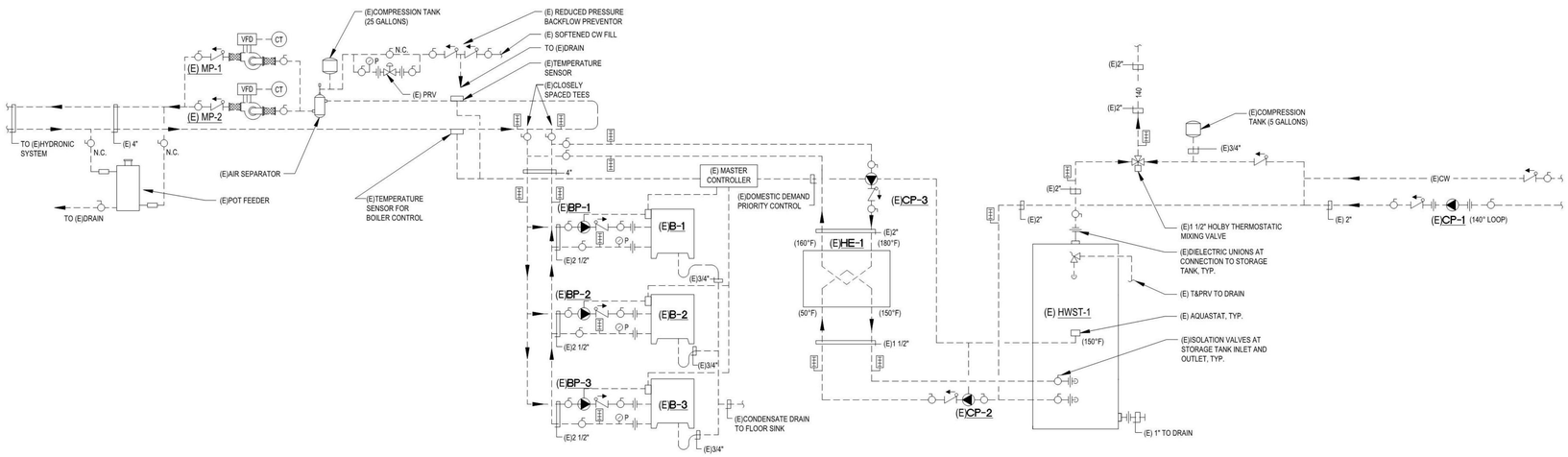
REGISTERED PROFESSIONAL ENGINEER
PAUL O. MCGRATH
No. M31660
MECHANICAL
STATE OF CALIFORNIA

Sheet Name:

MECHANICAL CHILLED WATER AND CONDENSER WATER PIPING DEMO DIAGRAM

Project No.:	Sheet No.:
Project Number	MD4.01
Drawn By: Author	
Checked By: Checker	
Scale: NTS	

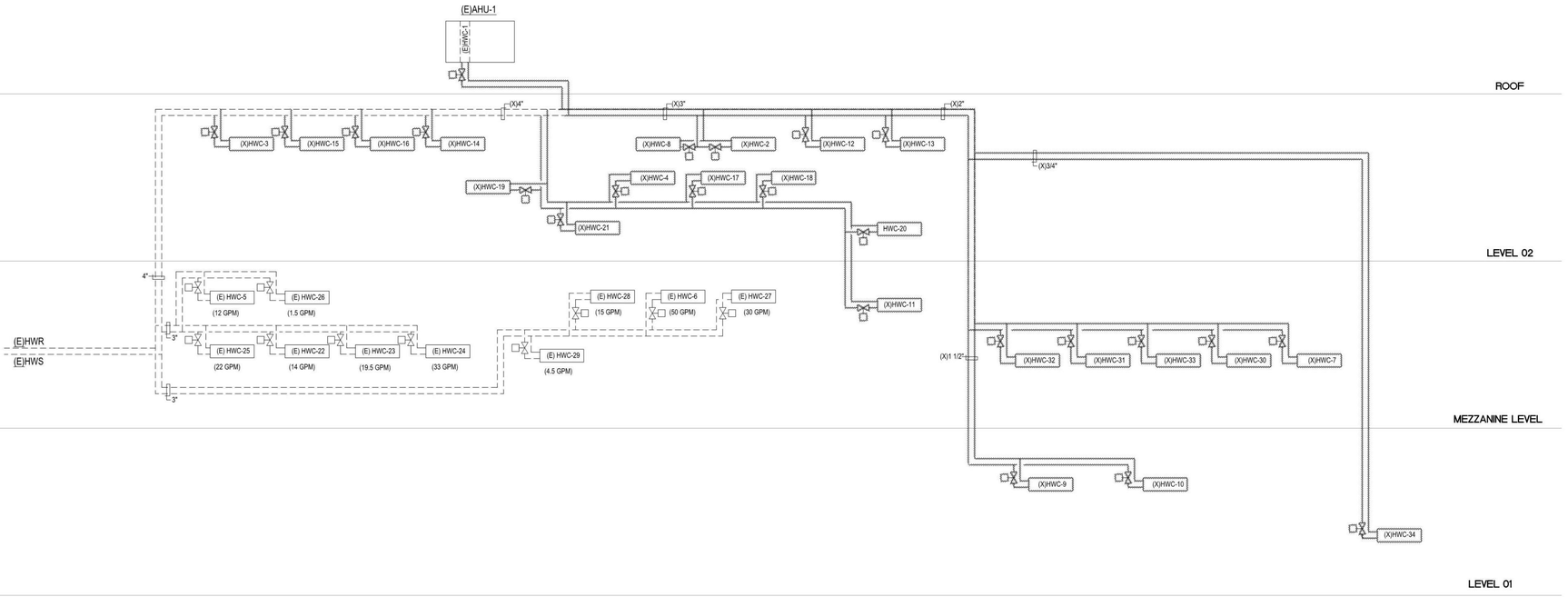
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2/2015 10:54:19 AM



1 M5.2

BOILER ROOM PIPING DEMO SCHEMATIC

SCALE: NO SCALE



2 M5.2

HOT WATER COIL RISER DEMO DIAGRAM

SCALE: NO SCALE

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CITY HALL

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TEL: (831) 646-5601

Architect:

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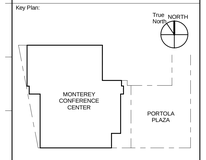
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REGISTERED PROFESSIONAL ENGINEER
PAUL O. MCGRATH
No. M33980
MECHANICAL
STATE OF CALIFORNIA

Sheet Name:

MECHANICAL HOT WATER PIPING DEMO DIAGRAM

Project No.: Project Number
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Scale: NTS

Sheet No.: MD4.02

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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
	HEAVY DUTY DISCONNECT SWITCH
	HEAVY DUTY DISCONNECT SWITCH WITH FUSE
	MOTOR STARTER
	MOTOR STARTER, NOT PROVIDED UNDER ELECTRICAL SCOPE
	COMBINATION MOTOR STARTER/DISCONNECT SWITCH
	COMBINATION MOTOR STARTER/DISCONNECT SWITCH, NOT PROVIDED UNDER ELECTRICAL SCOPE
VFD	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
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 G	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); POLE MOUNTED
2 a 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

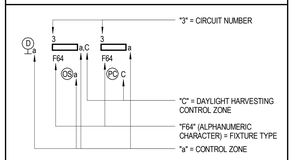
E A E L A / 1,3,5

- 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.

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL

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

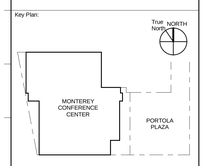
Architect:
SOM
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

Consultants:
WSP
405 Howard St., Suite 500
San Francisco, CA 94105
(415) 398-3833
www.wspgroup.com/usa

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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

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.

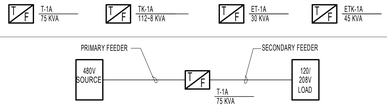
TRANSFORMER SCHEDULE

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

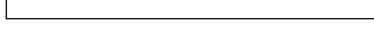
WIRING SCHEDULE - ALUMINUM CONDUCTORS (0-600V)

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 (5100P5W).	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-25			0.830	120	1	BLC	FR	1/2" C - 2#12 + 1#12 GND	
EF-27	0.33			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

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

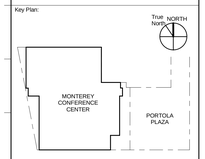
Consultants:

WSP
405 Howard St., Suite 500
San Francisco, CA 94105
(415) 398-3833
www.wspgroup.com/usa

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ELECTRICAL SCHEDULES

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Scale: 12" = 1'-0"	

Approved as to Form CAO RDM

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LIGHTING CONTROL SEQUENCE OF OPERATIONS

SPACE TYPE	OCC SENSOR SETPOINT	PHOTOCELL SETPOINT	NORMAL BUSINESS HOURS		AFTER HOURS		OVERRIDE			EMERGENCY LIGHTING	AUTOMATIC DEMAND RESPONSE
			LIGHTING	RECEPTACLES	LIGHTING	RECEPTACLES	LIGHTING	RECEPTACLES	DURATION		
LEVEL 1											
MAIN LOBBY 101	N/A	10FC AT FLOOR	ON/OFF PER TIMECLOCK, DIM VIA MANUAL CONTROLS AND PHOTOSENSOR, PRESET SCENES SELECTABLE VIA A/V SYSTEM	NOT REQUIRED TO BE CONTROLLED	OFF, UNLESS OVERRIDDEN VIA MANUAL CONTROLS. THEN CONTROLLED AS NORMAL	N/A	ON/DIM/OFF VIA MANUAL DIM	N/A	2 HOURS	E1	REDUCE LIGHTS 20%
CONFERENCE ROOM LOBBY 102	N/A	N/A	ON/OFF PER TIMECLOCK, DIM VIA MANUAL CONTROLS, PRESET SCENES SELECTABLE VIA A/V SYSTEM	NOT REQUIRED TO BE CONTROLLED	OFF, UNLESS OVERRIDDEN VIA MANUAL CONTROLS. THEN CONTROLLED AS NORMAL	N/A	ON/DIM/OFF VIA MANUAL DIM	N/A	2 HOURS	E1	REDUCE LIGHTS 20%
SERRA BALLROOM 107, 108 (SEE NOTE 8)	N/A	N/A	ON/OFF PER TIMECLOCK, DIM VIA MANUAL CONTROLS, PRESET SCENES SELECTABLE VIA A/V SYSTEM	NOT REQUIRED TO BE CONTROLLED	OFF, UNLESS OVERRIDDEN VIA MANUAL CONTROLS. THEN CONTROLLED AS NORMAL	N/A	ON/DIM/OFF VIA MANUAL DIM	N/A	2 HOURS	E1	REDUCE LIGHTS 20%
EAST HALL 107A, WEST ALL 108A	AUTO ON/ OFF IN 15 MIN	N/A	ON/OFF PER OCCUPANCY SENSOR, DIM VIA MANUAL CONTROLS, SEE EMERGENCY LIGHTING NOTES	NOT REQUIRED TO BE CONTROLLED	ON/OFF PER OCCUPANCY SENSOR, DIM VIA MANUAL CONTROLS	N/A	ON/DIM/OFF VIA MANUAL DIM	N/A	N/A	E1,E3	REDUCE LIGHTS 20%
RESTROOMS 103A, 104A, 105, 107B, 107D, 108B, 108D	AUTO ON/ OFF IN 10 MIN	N/A	ON/OFF PER OCCUPANCY SENSOR, ON/OFF VIA MANUAL CONTROLS, SEE EMERGENCY LIGHTING NOTES	NOT REQUIRED TO BE CONTROLLED	ON/OFF PER OCCUPANCY SENSOR, ON/OFF VIA MANUAL CONTROLS	N/A	ON/OFF VIA MANUAL CONTROL	N/A	N/A	E2,E3	NOT REQUIRED
SERVICE VESTIBULE 106	AUTO ON/ OFF IN 10 MIN	N/A	ON/OFF PER OCCUPANCY SENSOR, ON/OFF VIA MANUAL CONTROLS	NOT REQUIRED TO BE CONTROLLED	OFF, UNLESS OVERRIDDEN VIA MANUAL CONTROLS. THEN CONTROLLED AS NORMAL	N/A	ON/OFF VIA MANUAL CONTROL	N/A	2 HOURS	E2	NOT REQUIRED
NORTH DRESS ROOM 109C	AUTO ON/ OFF IN 10 MIN	N/A	ON/OFF PER OCCUPANCY SENSOR, ON/OFF VIA MANUAL CONTROLS	NOT REQUIRED TO BE CONTROLLED	OFF, UNLESS OVERRIDDEN VIA MANUAL CONTROLS. THEN CONTROLLED AS NORMAL	N/A	ON/OFF VIA MANUAL CONTROL	N/A	2 HOURS	E2	NOT REQUIRED
SERVICE HALL 115	AUTO ON/ OFF IN 10 MIN	N/A	ON/OFF PER OCCUPANCY SENSOR, ON/OFF VIA MANUAL CONTROLS	NOT REQUIRED TO BE CONTROLLED	OFF, UNLESS OVERRIDDEN VIA MANUAL CONTROLS. THEN CONTROLLED AS NORMAL	N/A	ON/OFF VIA MANUAL CONTROL	N/A	2 HOURS	E2	NOT REQUIRED
WEST VESTIBULE 113	AUTO ON/ OFF IN 10 MIN	N/A	ON/OFF PER OCCUPANCY SENSOR, ON/OFF VIA MANUAL CONTROLS	NOT REQUIRED TO BE CONTROLLED	OFF, UNLESS OVERRIDDEN VIA MANUAL CONTROLS. THEN CONTROLLED AS NORMAL	N/A	ON/OFF VIA MANUAL CONTROL	N/A	2 HOURS	E2	NOT REQUIRED
ELECTRICAL & TELECOM 107G, 107H	N/A	N/A	ON/OFF VIA MANUAL CONTROLS	NOT REQUIRED TO BE CONTROLLED	ON/OFF VIA MANUAL CONTROLS	N/A	ON/OFF VIA MANUAL CONTROL	N/A	N/A	E4	NOT REQUIRED
STORAGE 108F	AUTO ON/ OFF IN 5 MIN	N/A	ON/OFF PER OCCUPANCY SENSOR,DIM VIA MANUAL CONTROLS	NOT REQUIRED TO BE CONTROLLED	ON/OFF PER OCCUPANCY SENSOR, DIM VIA MANUAL CONTROLS	N/A	ON/OFF VIA MANUAL CONTROL	N/A	N/A	N/A	NOT REQUIRED
MECHANICAL ROOM 101A	AUTO ON/ OFF IN 5 MIN	N/A	ON/OFF PER OCCUPANCY SENSOR, ON/OFF VIA MANUAL CONTROLS	NOT REQUIRED TO BE CONTROLLED	ON/OFF PER OCCUPANCY SENSOR, ON/OFF VIA MANUAL CONTROLS	N/A	ON/OFF VIA MANUAL CONTROL	N/A	N/A	N/A	NOT REQUIRED
MEZZANINE											
OPEN OFFICE 206	AUTO ON/ OFF IN 15 MIN	N/A	ON/OFF PER OCCUPANCY SENSOR, DIM VIA MANUAL CONTROLS	ON/OFF PER OCCUPANCY SENSOR	ON/OFF PER OCCUPANCY SENSOR, ON/OFF VIA MANUAL CONTROLS	OFF	ON/DIM/OFF VIA MANUAL DIM	ON/OFF VIA OCCUPANCY SENSOR	2 HOURS	E2	REDUCE LIGHTS 20%
OFFICE 206A-D	AUTO ON/ OFF IN 15 MIN	N/A	ON/OFF PER OCCUPANCY SENSOR, DIM VIA MANUAL CONTROLS	ON/OFF PER OCCUPANCY SENSOR	ON/OFF PER OCCUPANCY SENSOR, ON/OFF VIA MANUAL CONTROLS	OFF	ON/DIM/OFF VIA MANUAL DIM	ON/OFF VIA OCCUPANCY SENSOR	N/A	N/A	REDUCE LIGHTS 20%
PANTRY 206E	AUTO ON/ OFF IN 15 MIN	N/A	ON/OFF PER OCCUPANCY SENSOR, DIM VIA MANUAL CONTROLS	ON/OFF PER OCCUPANCY SENSOR	ON/OFF PER OCCUPANCY SENSOR, ON/OFF VIA MANUAL CONTROLS	OFF	ON/DIM/OFF VIA MANUAL DIM	ON/OFF VIA OCCUPANCY SENSOR	N/A	E2	REDUCE LIGHTS 20%
MECHANICAL ROOM	AUTO ON/ OFF IN 5 MIN	N/A	ON/OFF PER OCCUPANCY SENSOR, DIM VIA MANUAL CONTROLS	NOT REQUIRED TO BE CONTROLLED	ON/OFF PER OCCUPANCY SENSOR, DIM VIA MANUAL CONTROLS	N/A	ON/OFF VIA MANUAL CONTROL	N/A	N/A	N/A	NOT REQUIRED
LOBBY MEZZANINE 201	N/A	10FC AT FLOOR	ON/OFF PER TIMECLOCK, DIM VIA MANUAL CONTROLS AND PHOTOSENSOR	NOT REQUIRED TO BE CONTROLLED	OFF, UNLESS OVERRIDDEN VIA MANUAL CONTROLS. THEN CONTROLLED AS NORMAL	N/A	ON/DIM/OFF VIA MANUAL DIM	N/A	2 HOURS	E1	REDUCE LIGHTS 20%
CORRIDOR 202	AUTO ON/ OFF IN 5 MIN	N/A	50% ON PER TIMECLOCK, OCCUPANCY SENSOR ACTIVATES TO 100% ON	NOT REQUIRED TO BE CONTROLLED	OFF, UNLESS OVERRIDDEN VIA MANUAL CONTROLS. THEN CONTROLLED AS NORMAL	N/A	ON/OFF VIA MANUAL CONTROL	N/A	2 HOURS	E1	NOT REQUIRED
ELECTRICAL 202A, 211	N/A	N/A	ON/OFF VIA MANUAL CONTROLS	NOT REQUIRED TO BE CONTROLLED	ON/OFF VIA MANUAL CONTROLS	N/A	ON/OFF VIA MANUAL CONTROL	N/A	N/A	E4	NOT REQUIRED
LEVEL 2											
COLTON MEETING ROOMS 306, 307, 308 (SEE NOTE 8)	AUTO ON/ OFF IN 15 MIN	30FC AT WORKPLANE	ON/OFF PER OCCUPANCY SENSOR, DIM VIA MANUAL CONTROLS AND PHOTOSENSOR, PRESET SCENES SELECTABLE VIA A/V SYSTEM	NOT REQUIRED TO BE CONTROLLED	ON/OFF PER OCCUPANCY SENSOR, DIM VIA MANUAL CONTROLS AND PHOTOSENSOR	N/A	ON/DIM/OFF VIA MANUAL DIM	N/A	N/A	E1,E5	REDUCE LIGHTS 20%
FERRANTE 300, 303 (SEE NOTE 8)	AUTO ON/ OFF IN 15 MIN	30FC AT WORKPLANE	ON/OFF PER OCCUPANCY SENSOR, DIM VIA MANUAL CONTROLS AND PHOTOSENSOR, PRESET SCENES SELECTABLE VIA A/V SYSTEM	NOT REQUIRED TO BE CONTROLLED	ON/OFF PER OCCUPANCY SENSOR, DIM VIA MANUAL CONTROLS AND PHOTOSENSOR	N/A	ON/DIM/OFF VIA MANUAL DIM	N/A	N/A	E1,E5	REDUCE LIGHTS 20%
STEINBECK BALLROOM 310 (SEE NOTE 8)	N/A	30FC AT WORKPLANE	ON/OFF PER ASTRONOMICAL TIMECLOCK, DIM VIA MANUAL CONTROLS AND PHOTOSENSOR, PRESET SCENES SELECTABLE VIA A/V SYSTEM	NOT REQUIRED TO BE CONTROLLED	ON/OFF PER OCCUPANCY SENSOR, DIM VIA MANUAL CONTROLS AND PHOTOSENSOR	N/A	ON/DIM/OFF VIA MANUAL DIM	N/A	N/A	E1,E5	REDUCE LIGHTS 20%
PRE-FUNCTION EAST 301	AUTO ON/ OFF IN 15 MIN	30FC AT WORKPLANE	ON/OFF PER ASTRONOMICAL TIMECLOCK, DIM VIA MANUAL CONTROLS AND PHOTOSENSOR, PRESET SCENES SELECTABLE VIA A/V SYSTEM	NOT REQUIRED TO BE CONTROLLED	ON/OFF PER OCCUPANCY SENSOR, DIM VIA MANUAL CONTROLS AND PHOTOSENSOR	N/A	ON/DIM/OFF VIA MANUAL DIM	N/A	2 HOURS	E1,E5	REDUCE LIGHTS 20%
PRE-FUNCTION NORTH 302	AUTO ON/ OFF IN 15 MIN	30FC AT WORKPLANE	ON/OFF PER ASTRONOMICAL TIMECLOCK, DIM VIA MANUAL CONTROLS AND PHOTOSENSOR, PRESET SCENES SELECTABLE VIA A/V SYSTEM	NOT REQUIRED TO BE CONTROLLED	ON/OFF PER OCCUPANCY SENSOR, DIM VIA MANUAL CONTROLS AND PHOTOSENSOR	N/A	ON/DIM/OFF VIA MANUAL DIM	N/A	2 HOURS	E1,E5	REDUCE LIGHTS 20%
STAIR 3	N/A	5FC AT FLOOR	ON/OFF/DIM PER PHOTOSENSOR	NOT REQUIRED TO BE CONTROLLED	OFF, UNLESS OVERRIDDEN VIA MANUAL CONTROLS. THEN CONTROLLED AS NORMAL	N/A	ON/OFF VIA MANUAL CONTROL	N/A	2 HOURS	E1,E5	NOT REQUIRED
RESTROOM 312, 318A, 318B	AUTO ON/ OFF IN 10 MIN	N/A	ON/OFF PER OCCUPANCY SENSOR, ON/OFF VIA MANUAL CONTROLS	NOT REQUIRED TO BE CONTROLLED	ON/OFF PER OCCUPANCY SENSOR, ON/OFF VIA MANUAL CONTROLS	N/A	ON/OFF VIA MANUAL CONTROL	N/A	N/A	E2,E3	NOT REQUIRED
ELECTRICAL & TELECOM 301A, 305, 311B	N/A	N/A	ON/OFF VIA MANUAL CONTROLS	NOT REQUIRED TO BE CONTROLLED	ON/OFF VIA MANUAL CONTROLS	N/A	ON/OFF VIA MANUAL CONTROL	N/A	N/A	N/A	NOT REQUIRED
SERVICE 309	AUTO ON/ OFF IN 15 MIN	N/A	ON/OFF PER OCCUPANCY SENSOR, ON/OFF VIA MANUAL CONTROLS	NOT REQUIRED TO BE CONTROLLED	ON/OFF PER OCCUPANCY SENSOR, ON/OFF VIA MANUAL CONTROLS	N/A	ON/OFF VIA MANUAL CONTROL	N/A	N/A	E4	REDUCE LIGHTS 20%
CIRCULATION 311	AUTO ON/ OFF IN 15 MIN	N/A	ON/OFF PER OCCUPANCY SENSOR, ON/OFF VIA MANUAL CONTROLS	NOT REQUIRED TO BE CONTROLLED	ON/OFF PER OCCUPANCY SENSOR, ON/OFF VIA MANUAL CONTROLS	N/A	ON/OFF VIA MANUAL CONTROL	N/A	N/A	E2	NOT REQUIRED
STORAGE 311A	AUTO ON/ OFF IN 5 MIN	N/A	ON/OFF PER OCCUPANCY SENSOR, ON/OFF VIA MANUAL CONTROLS	NOT REQUIRED TO BE CONTROLLED	ON/OFF PER OCCUPANCY SENSOR, ON/OFF VIA MANUAL CONTROLS	N/A	ON/OFF VIA MANUAL CONTROL	N/A	N/A	E4	NOT REQUIRED
HALLWAY 317	AUTO ON/ OFF IN 15 MIN	N/A	ON/OFF PER OCCUPANCY SENSOR, ON/OFF VIA MANUAL CONTROLS	NOT REQUIRED TO BE CONTROLLED	ON/OFF PER OCCUPANCY SENSOR, ON/OFF VIA MANUAL CONTROLS	N/A	ON/OFF VIA MANUAL CONTROL	N/A	N/A	E2	NOT REQUIRED
LEVEL 2 - EXTERIOR											
NORTH FAÇADE/ WALKWAYS	N/A	DUSK	OFF	N/A	ON PER ROOF PHOTO SENSOR, OFF PER ASTRONOMICAL TIMECLOCK	N/A	ON/OFF VIA MANUAL CONTROL	N/A	2 HOURS	E1	NOT REQUIRED
SOUTH TERRACE 340	AUTO ON/ OFF IN 5 MIN	DUSK	OFF	N/A	50% ON/OFF PER ROOF PHOTO SENSOR ASTRONOMICAL TIMECLOCK, OCCUPANCY SENSOR ACTIVATES TO 100% ON	N/A	ON/OFF VIA MANUAL CONTROL	N/A	2 HOURS	E1	NOT REQUIRED
SOUTH FAÇADE	N/A	DUSK	OFF	N/A	ON PER ROOF PHOTO SENSOR, OFF PER ASTRONOMICAL TIMECLOCK	N/A	ON/OFF VIA MANUAL CONTROL	N/A	2 HOURS	E1	NOT REQUIRED
EAST TERRACE 330	AUTO ON/ OFF IN 5 MIN	DUSK	OFF	N/A	50% ON/OFF PER ROOF PHOTO SENSOR ASTRONOMICAL TIMECLOCK, OCCUPANCY SENSOR ACTIVATES TO 100% ON	N/A	ON/OFF VIA MANUAL CONTROL	N/A	2 HOURS	E1	NOT REQUIRED
EAST FAÇADE	N/A	DUSK	OFF	N/A	ON PER ROOF PHOTO SENSOR, OFF PER ASTRONOMICAL TIMECLOCK	N/A	ON/OFF VIA MANUAL CONTROL	N/A	2 HOURS	E1	NOT REQUIRED
DONOR WALL - WEST	N/A	DUSK	OFF	N/A	ON PER ROOF PHOTO SENSOR, OFF PER ASTRONOMICAL TIMECLOCK	N/A	ON/OFF VIA MANUAL CONTROL	N/A	2 HOURS	N/A	NOT REQUIRED
MURAL WALL - WEST	N/A	DUSK	OFF	N/A	ON PER ROOF PHOTO SENSOR, OFF PER ASTRONOMICAL TIMECLOCK	N/A	ON/OFF VIA MANUAL CONTROL	N/A	2 HOURS	E1	NOT REQUIRED
EXTERIOR STEPLIGHTS (FX6)	N/A	DUSK	OFF	N/A	ON PER ROOF PHOTO SENSOR, OFF PER ASTRONOMICAL TIMECLOCK	N/A	ON/OFF VIA MANUAL CONTROL	N/A	2 HOURS	E1	NOT REQUIRED
BUILDING SIGNAGE (TYPICAL)	N/A	DUSK	OFF	N/A	ON PER ROOF PHOTO SENSOR, OFF PER ASTRONOMICAL TIMECLOCK	N/A	ON/OFF VIA MANUAL CONTROL	N/A	2 HOURS	N/A	NOT REQUIRED
ROOF											
MECHANICAL AREAS	AUTO ON/ OFF IN 15 MIN	N/A	ON/OFF PER OCCUPANCY SENSOR, ON/OFF VIA MANUAL CONTROLS	NOT REQUIRED TO BE CONTROLLED	ON/OFF PER OCCUPANCY SENSOR, ON/OFF VIA MANUAL CONTROLS	N/A	ON/OFF VIA MANUAL CONTROL	N/A	N/A	E4	NOT REQUIRED

NOTES:
1. THE INTENT OF THIS SCHEDULE IS TO CLARIFY THE PROGRAMMING AND FUNCTION OF CONTROLS THAT MAY BE LOCATED IN EACH SPACE TYPE.
2. THIS SCHEDULE IS NOT INTENDED TO DEFINE WHICH CONTROLS ARE TO BE INSTALLED IN EACH SPACE TYPE.
3. FOR ACTUAL CONTROL DEVICES TO BE INSTALLED IN EACH SPACE, REFER TO PLANS.
4. ALL SETPOINTS AND TIME SCHEDULES TO BE VERIFIED WITH OWNER PRIOR TO PROGRAMMING.
5. FOOTCANDLE LEVELS BASED ON THE IESNA LIGHTING STANDARDS. LIGHTING LEVELS SUBJECT TO CHANGE PER ENERGY CODE COMPLIANCE AND OWNER REQUEST AND ARE MEANT TO BE USED AS A BASELINE DEFAULT FOR PROGRAMMING.
6. DEMAND RESPONSE CONTROLS ARE ONLY REQUIRED IN CALIFORNIA PER TITLE 24. ONLY REQUIRED IF DESIGN AREA OF BUILDING EXCEEDS 10,000SQFT. IF DEMAND RESPONSE REQUIRED, TOTAL AREA LIGHTING POWER MUST BE REDUCED BY AT LEAST 15%.
7. N/A = NOT APPLICABLE TO CONTROL DESIGN.
8. THIS SPACE CONTAINS MOVEABLE PARTITIONS WHICH SEPARATE THE ROOM. FIXTURES HAVE BEEN ZONED TO ALLOW FOR SEPARATE CONTROL WITHIN THE SUB-DIVIDED SPACES. LIGHTING CONTROLS SHALL AUTOMATICALLY REPROGRAM TO SEPARATE ROOM OR LARGER ROOM BASED ON THE POSITION OF THE MOVEABLE PARTITION.

EMERGENCY LIGHTING:
E1. EMERGENCY LIGHTS TURN TO FULL BRIGHTNESS UPON LOSS OF NORMAL POWER OR UPON SIGNAL FROM THE FIRE ALARM SYSTEM.
E2. EMERGENCY LIGHTS TURN TO FULL BRIGHTNESS UPON LOSS OF NORMAL POWER.
E3. EMERGENCY LIGHTS DIM TO 40% WHEN ROOM IS NOT OCCUPIED DURING NORMAL BUSINESS HOURS.
E4. EMERGENCY LIGHTS SWITCH WITH NORMAL LIGHTS. WHERE INDICATED ON PLAN, PROVIDE UL924 RELAY TO TURN LIGHTS TO FULL BRIGHTNESS UPON LOSS OF NORMAL POWER.
E5. EMERGENCY LIGHTS DIM WITH NORMAL LIGHTS.

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER/CATALOG NO.	ALTERNATE MANUFACTURER	LAMP DATA				LOCATIONS
				QTY	DESCRIPTION	WATTS	VOLTS	
A / AMBAG	REPLACE EXISTING FLUORESCENT PENDANT-MOUNTED FIXTURE [(8) 40W LAMPS] WITH OFCI DIMMABLE LED FIXTURES (VIA AMBAG). FIXTURES SHALL BE COMPATIBLE WITH DIMMING SYSTEM. REFER TO ARCHITECTURAL SPECIFICATION FOR FIXTURE INFORMATION.	N/A	N/A		LED	TBD	277	SERRA BALLROOM

BACK OF HOUSE LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER/CATALOG NO.	ALTERNATE MANUFACTURER	LAMP DATA				LOCATIONS
				QTY	DESCRIPTION	WATTS	VOLTS	
B1	SURFACE MOUNTED 4' LONG FLUORESCENT STRIP WITH (2) T8 LAMPS IN CROSS-SECTION. DIE FORMED CODE-GAUGE PRIME COLD ROLLED STEEL, BAKED WHITE ENAMEL FINISH, WIRE GUARD AND ELECTRONIC BALLAST. PROVIDE CHAIN HANGARS. PROGRAMMED RAPID START ELECTRONIC BALLAST WITH ≤ 10% THD, 0.88 BALLAST FACTOR.	LITHONIA: C SERIES	COOPER, COLUMBIA	2	FO32 4100K	32	277	MECHANICAL AND ELECTRICAL ROOMS
B2	SURFACE/WALL MOUNTED 4' LONG FLUORESCENT WRAPAROUND WITH (2) T8 LAMPS IN CROSS-SECTION. CLEAR ACRYLIC PRISMATIC DIFFUSER. CODE-GAUGE COLD-ROLLED STEEL CHANNEL WITH BAKED WHITE ENAMEL OR POLYESTER FINISH AND ELECTRONIC BALLAST. PROGRAMMED RAPID START ELECTRONIC BALLAST WITH ≤ 10% THD, 0.88 BALLAST FACTOR.	LITHONIA: CA SERIES	COOPER, COLUMBIA	2	FO32 4100K	32	277	BACK OF HOUSE
B3	SURFACE MOUNTED INDUSTRIAL CORROSION-RESISTANT 4FT LONG FIXTURE, (2) T8 FLUORESCENT LAMPS IN SECTION, POLYURETHANE GASKET, UV STABILIZED PATTERN ACRYLIC HIGH IMPACT DIFFUSER. ELECTRONIC BALLAST. WET LISTED.	LITHONIA: DMW-2-32-ARDP-GEB	OR EQUAL	2	F032 4100K	32	120/277	EQUIPMENT ROOMS
B4	SURFACE MOUNTED 4' LONG FLUORESCENT STRIP WITH (2) T8 LAMPS IN CROSS-SECTION. DIE FORMED CODE-GAUGE PRIME COLD ROLLED STEEL, BAKED WHITE ENAMEL FINISH, WIRE GUARD AND ELECTRONIC 0-10V DIMMING BALLAST. PROVIDE CHAIN HANGARS.	LITHONIA: C SERIES	COOPER, COLUMBIA	2	F032 4100K	32	277	STORAGE, IDF
B4A	SAME AS B4, WITHOUT CHAIN HANGARS.	LITHONIA: C SERIES	COOPER, COLUMBIA	2	F032 4100K	32	277	LEVEL 1 CORRIDOR
B5	EXTERIOR WEDGE WALL SCONCE, FULL CUTOFF, MEDIUM THROW DISTRIBUTION, LED LAMPS, DUAL CIRCUIT. WET LISTED.	GARDCO: 101L-DCC-2-35LA-NW-UNIV SERIES	OR EQUAL	1	LED (INCL)	35	120/277	ROOF, EXTERIOR COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL DRAWINGS, UON, MOUNT AT +7'-0" AFF.
B6	4' FLUORESCENT SURFACE MOUNT FIXTURE WITH PRISMATIC ACRYLIC LENS. TWO (2) 32W T8 LAMPS CONNECTED TO INTEGRAL OCCUPANCY SENSOR, WITH ONE (1) UNSWITCHED 17W T8 LAMP.	COLUMBIA: BIL SERIES	LAMAR LIGHTING C2 SERIES OR EQUAL	2 1	FO32, FO17 4100K	32 EACH 17	120/277	STAIRWELLS
B7	WALL MOUNTED NON-METALLIC VAPORPROOF FIXTURE WITH ONE (1) TRIPLE TUBE COMPACT FLUORESCENT LAMP. CORROSION RESISTANT GLASS REINFORCED POLYESTER THERMOPLASTIC HOUSING, HEAT-TREATED CLEAR GLASS WITH GUARD AND MAGNETIC HPF BALLAST	CANLET VAPORPROOF SERIES	PHOENIX, IRL, GENLYTE OR EQUAL	1	13W TT CFL	13	277	JANITOR, ESCALATOR PITS
X1	LED EDGE-LIT EXIT SIGN CONNECTED TO EMERGENCY POWER SYSTEM. CONTRACTOR TO COORDINATE DIRECTIONAL INDICATOR REQUIREMENTS BASED ON ELECTRICAL DRAWINGS. GREEN LETTERS ON CLEAR (SINGLE FACE) OR MIRROR (DOUBLE FACE) BACKGROUND. BRUSHED ALUMINUM FINISH.	LITHONIA: LRP SERIES	SURE-LITES, DUAL-LITE, EMERGI-LITE, LIGHTOLIER	1	LED (INCL)	5	120/277	GENERAL
X2	LED POLYCARBONATE EXIT SIGN; CONTRACTOR TO COORDINATE DIRECTIONAL INDICATOR REQUIREMENTS BASED ON ELECTRICAL DRAWINGS. GREEN LETTERS WHITE FINISH.	LITHONIA: LQM-SW SERIES	SURE-LITES, DUAL-LITE, EMERGI-LITE, LIGHTOLIER	1	LED (INCL)	5	120/277	BACK OF HOUSE
X3	LED WET LABEL EXIT SIGN, CAST ALUMINUM OR STAINLESS STEEL SURFACE. CONTRACTOR TO COORDINATE DIRECTIONAL INDICATOR REQUIREMENTS BASED ON ELECTRICAL DRAWINGS. GREEN LETTERS, ALUMINIMUM ON BLACK FINISH.	LITHONIA: LV SERIES	SURE-LITES, DUAL-LITE, EMERGI-LITE, LIGHTOLIER	1	LED (INCL)	5	120/277	EXTERIOR
X4	SURFACE MOUNT DIE CAST ALUMINUM LED EXIT SIGN CONNECTED TO EMERGENCY POWER SYSTEM. CONTRACTOR TO COORDINATE DIRECTIONAL INDICATOR REQUIREMENTS BASED ON ELECTRICAL DRAWINGS. GREEN LETTERS. BRUSHED ALUMINUM FINISH. LOCATE WITHIN ARCHITECTURAL MULLION. ALIGN EXIT SIGN LETTERS WITH CUTOUT IN EXTRUSION.	LITHONIA: LE SERIES	SURE-LITES, DUAL-LITE, EMERGI-LITE, LIGHTOLIER	1	LED (INCL)	5	120/277	MAIN LOBBY ENTRANCE

***FOR ALL FRONT OF HOUSE FIXTURE SPECIFICATIONS AND SCHEDULE REFER TO LIGHTING FIXTURE SCHEDULE SPEC SECTION 26 50 10**

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL

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

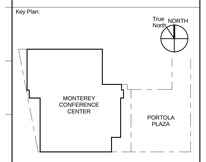
Architect:
SOM
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

Consultants:
WSP
405 Howard St., Suite 500
San Francisco, CA 94105
(415) 398-3833
www.wspgroup.com/usa

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Key Plan:



Seal & Signature:



Sheet Name:

ELECTRICAL SCHEDULES

Project No.: Project Number	Sheet No.:
Drawn By: Author	E0.03
Checked By: Checker	
Scale: 12" = 1'-0"	

Approved as to Form CAO RISK

CHB

BUSSING: 100A, 14,000 AIC SYMMETRICAL
MAIN: MLO
LOCATION: ELECTRICAL ROOM
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
MAIN: EXISTING
480V, 3 PHASE, 3 WIRE
LOCATION: ROOF
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	93620 VA	1.00	93620 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
116057 VA
140 A

NEC LOAD SUMMARY
121667 VA
147 A

EBHA

BUSSING: 100A, 14,000 AIC SYMMETRICAL
MAIN: 20A/3P
LOCATION: ELECTRICAL ROOM
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	1047	20/1	5			●	6	20/1	500	MEZZANINE LEVEL - LIGHTING CTRL	E
L	STAIR 5 - LTG	567	20/1	7	●			8	20/1	0	SPARE	
L	LEVEL 1 MAIN LOBBY - LTG	591	20/1	9		●		10	20/1	0	SPARE	
L	LEVEL 1 RESTROOMS 107,108 - LTG	756	20/1	11			●	12	20/1	0	SPARE	
L	LEVEL 1 - EXIT SIGNS	100	20/1	13	●			14	20/1	0	SPARE	
L	MEZZANINE LEVEL - EXIT SIGNS	50	20/1	15		●		16	20/1	0	SPARE	
L	EXTERIOR LTG - SOUTH, EAST	748	20/1	17			●	18	20/1	0	SPARE	
L	LEVEL 1 - BACK OF HOUSE	428	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	
				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)
10379.55	3771.6	3557.1	3050.85	12

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	8880 VA	1.25	11099 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
10380 VA
12 AMPS

NEC LOAD SUMMARY
12599 VA
15 AMPS

ECHA

BUSSING: 100A, 14,000 AIC SYMMETRICAL
MAIN: 30A/3P
LOCATION: ELECTRICAL ROOM
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		SPARE	
L	STEINBECK 310 - LIGHTING	1545	20/1	5			●	6	20/1		SPARE	
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	

TOTAL ALL PHASES (VA)	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	TOTAL ALL PHASES (AMPS)
11440.2	4269.2	3482.5	3688.5	14

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	10940 VA	1.25	13675 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
11440 VA
14 AMPS

NEC LOAD SUMMARY
14175 VA
17 AMPS

BHA

BUSSING: 225A, 14,000 AIC SYMMETRICAL
MAIN: MLO
LOCATION: ELECTRICAL ROOM
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	1559	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)
19525.6	6527.8	7310.4	5687.4	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	15526 VA	1.25	19407 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
19526 VA
24 AMPS

NEC LOAD SUMMARY
24987 VA
30 AMPS

(E) BHB

BUSSING: 225A,
MAIN: MLO
LOCATION: ELECTRICAL ROOM
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
MAIN: 225A/3P
LOCATION: ELECTRICAL ROOM
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	1420	LEVEL 2 RESTROOM/STORAGE - LTG	L
E	"	24393	"	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)
126105.7875	42835	40521	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	27550 VA	1.25	34437 VA
M = MOTOR	17516 VA	1.00	17516 VA
M = LARGEST MOTOR	11637 VA	1.25	14546 VA
R = RECEPTACLE	25467 VA	NEC DEMAND	17734 VA

CONNECTED LOAD SUMMARY
126106 VA
152 AMPS

NEC LOAD SUMMARY
128169 VA
154 AMPS

AHC

BUSSING: 225A, 14,000 AIC SYMMETRICAL
MAIN: MLO
LOCATION: ELECTRICAL ROOM
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,
MAIN: MLO
LOCATION: ELECTRICAL ROOM
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,
MAIN: MLO
LOCATION: ELECTRICAL ROOM
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	"	1000	"	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
MAIN: EXISTING
480V, 3 PHASE, 3 WIRE
LOCATION: MECHANICAL ROOM
AIC RMS: EXISTING

CIRCUIT	LOAD SERVED	DEVICE RATING	LOAD (VA)	REMARKS
1	***(E) RF-5***	***(E) 30A/T100AF***	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

BUSSING: 400A, 10,000 AIC SYMMETRICAL
MAIN: MLO (FEED THROUGH LUGS)

CLA (1)

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 - SIGNKIOSK POWER	900	20/1	7	●			8	20/1	180	SERVICE RM 309 CONV REC	R
R	PREFUNC 302 - SIGNKIOSK POWER	900	20/1	9		●		10	20/1	180	SERVICE RM 309 CONV REC	R
R	PREFUNC 302 - SIGNKIOSK POWER	900	20/1	11			●	12	20/1	2004	SERVICE 309 HOT BANQUET CAB	K
R	PREFUNC 302 - SIGNKIOSK POWER	900	20/1	13	●			14	20/1	2004	SERVICE 309 HOT BANQUET CAB	K
R	PREFUNC 302 - SIGNKIOSK POWER	720	20/1	15		●		16	20/1		SPARE	
R	PREFUNC 302 - SIGNKIOSK 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 - SIGNKIOSK POWER	360	20/1	33		●		34	20/1	1080	SERVICE 309 CONV	R
	SPARE			35			●	36	20/1	500	***(E) IRRIGATION CONTROLLER***	E
	SPARE			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)	
	44464	15157		13036			16271				123	

BUSSING: 400A, 10,000 AIC SYMMETRICAL
MAIN: MLO

CLA (2)

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	25467 VA	NEC DEMAND	17734 VA

CONNECTED LOAD SUMMARY
78747 VA
219 AMPS

NEC LOAD SUMMARY
64452 VA
179 AMPS

BUSSING: 225A, 10,000 AIC SYMMETRICAL
MAIN: MLO

CLB

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

BUSSING: 225A, 10,000 AIC SYMMETRICAL
MAIN: MLO

BLA

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
E	LRC-BA	500	20/1	21		●		22	20/1	1080	OFFICE 206 REC	R
E	MECH 101A - BMS	500	20/1	23			●	24	20/1	1080	OFFICE 206 REC	R
E	SERRA EAST 107 - DOOR RELEASE	300	20/1	25	●			26	20/1	900	OFFICE 206 REC	R
	SPARE	0	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 REC	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)	
	19536	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

BUSSING: 100A,
MAIN: MLO

(E) BLB

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	"	6128	"	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

BUSSING: 100A, 10,000 AIC SYMMETRICAL
MAIN: MLO

BLC

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

BUSSING: 800A, 10,000 AIC SYMMETRICAL
MAIN: MLO W/ FEED THROUGH LUGS

ALD (1)

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	LOBBY 102	360	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	40/3	3000	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	

BUSSING: 800A, 10,000 AIC SYMMETRICAL
MAIN: MLO

ALD (2)

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 - SIGNKIOSK POWER	360	20/1	61	●			62	20/1		SPARE	
R	LOBBY 102 - SIGNKIOSK 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)	
	63500	20720		21220			21560				176	

LOAD SUMMARY BY TYPE	CONN. LOAD	DEMAND FACTOR	NEC LOAD
E = EQUIPMENT	61700 VA	1.00	61700 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
93720 VA
260 AMPS

NEC LOAD SUMMARY
82845 VA
230 AMPS

BUSSING: 100A, 10,000 AIC SYMMETRICAL
MAIN: MLO

ALG

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

LIGHTING RELAY CABINET: LRC-BA

RELAY NO.	ZONE DESCRIPTION	BRANCH CIRCUIT	RELAY WATTS	SOURCE	CONTROL			
					ON	OFF	OVER.	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, OCCUPANCY SENSOR, PC = PHOTOCELL OS =

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	***(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)	
	1880	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

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	360	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	180	EXTERIOR SIGN - SOUTHWEST	E
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			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	5210 VA	1.00	5210 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	12960 VA	NEC DEMAND	11480 VA

CONNECTED LOAD SUMMARY
23670 VA
66 AMPS

NEC LOAD SUMMARY
22484 VA
62 AMPS

LRC-BA	AELA	CLD (1)	CLC (1)
	CELA	CLD (2)	CLC (2)
	EDP		

Approved as to Form
CAO RISK

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL

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

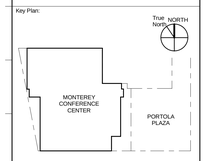
Architect:
SOM
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

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

Key Plan:



Seal & Signature:



Sheet Name:

ELECTRICAL SCHEDULES

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

Sheet No.: E0.06

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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 5 of 6)
Project Name: Monterey Conference Center	Date Prepared: 8/20/2015

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, FS278, one dimmable electronic ballast)	Watts per Luminaire	How wattage was determined: CEC Default Table Watts	How wattage was determined: According to §130.0(c)1	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	☐	☑	48	384	Office <= 250 sqft	☐	☐
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	☐	☑	26	432	Corridor/Restroom/Support	☐	☐
F1a	F1a	16.6	☐	☑	24	398	Convention/Conference/Meeting	☐	☐
F1b	F1b	29.0	☐	☑	10	290	Corridor/Restroom/Support	☐	☐
					INSTALLED WATTS PAGE TOTAL:	3,542	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: 8/20/2015

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 Location	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	Quantity of Identical Units	Installed portable luminaire watts in this office (3 x C)	Square Feet of this 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: 8/20/2015

A. General Information

Climate Zone: 3	Conditioned Floor Area : 69,004				
	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-LIT-01-E	Certificate of Compliance. All Pages required on plans for all submittals.
✓		NRCC-LIT-02-E	Lighting Controls, Certificate of Compliance, and PAF Calculation. All Pages required on plans for all submittals.
✓		NRCC-LIT-03-E	Indoor Lighting Power Allowance
	✓	NRCC-LIT-04-E	Tailored Method Worksheets
	✓	NRCC-LIT-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 6 of 6)
Project Name: Monterey Conference Center	Date Prepared: 8/20/2015

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, FS278, one dimmable electronic ballast)	Watts per Luminaire	How wattage was determined: CEC Default Table Watts	How wattage was determined: According to §130.0(c)1	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	☐	☑	5	145	Convention/Conference/Meeting	☐	☐
F1b	F1b	29.0	☐	☑	7	203	Lobby, Main Entry	☐	☐
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	☐	☐
F21a	F21a	45.0	☐	☑	168	7,560	Convention/Conference/Meeting	☐	☐
					INSTALLED WATTS PAGE TOTAL:	13,136	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: 8/20/2015

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, FS278, one dimmable electronic ballast)	Watts per Luminaire	How wattage was determined: CEC Default Table Watts	How wattage was determined: According to §130.0(c)1	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	☐	☑	15	960	Commercial, Industrial Storage	☐	☐
B4	B4	64.0	☐	☑	6	384	Electrical, Mechanical Room	☐	☐
B4	B4	64.0	☐	☑	9	576	Corridor/Restroom/Support	☐	☐
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: 8/20/2015

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	+	83,873	**Installed** Lighting NRCC-LTI-01-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)	=	83,603	Adjusted **Installed** Lighting Power (row 1 minus row 3)	=	0
5.	Complies ONLY if **Installed** ≤ **Allowed**			Complies ONLY if **Installed** ≤ **Allowed**		
6.	**Allowed** Lighting Power Conditioned NRCC-LTI-01-E, page 1		89,347	**Allowed** Lighting Power Unconditioned NRCC-LTI-01-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: 8/20/2015

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, FS278, one dimmable electronic ballast)	Watts per Luminaire	How wattage was determined: CEC Default Table Watts	How wattage was determined: According to §130.0(c)1	Number Luminaires	Total Installed Watts in this area (C x E)	Primary Function area in which these luminaires are installed	Pass	Fail
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	☐	☑	21	168	Office > 250 sqft	☐	☐
F3	F3	8.0	☐	☑	8	64	Corridor/Restroom/Support	☐	☐
F3	F3	8.0	☐	☑	88	704	Lobby, Main Entry	☐	☐
F3a	F3a	16.0	☐	☑	63	1,008	Convention/Conference/Meeting	☐	☐
					INSTALLED WATTS PAGE TOTAL:	33,833	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: 8/20/2015

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, FS278, one dimmable electronic ballast)	Watts per Luminaire	How wattage was determined: CEC Default Table Watts	How wattage was determined: According to §130.0(c)1	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	☐	☑	14	112	Corridor/Restroom/Support	☐	☐
F13	F13	8.0	☐	☑	28	224	Office > 250 sqft	☐	☐
					INSTALLED WATTS PAGE TOTAL:	15,186	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: 8/20/2015

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

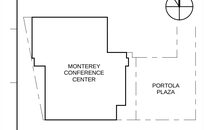
580 PACIFIC STREET, MONTEREY, CA 93940
TEL: (831) 646-5601

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

Key Plan:


Seal & Signature:


Sheet Name:
ELECTRICAL TITLE 24 CALCULATIONS

Project No.:	Sheet No.:
Project Number	E0.10
Drawn By: Author	
Checked By: Checker	
Scale: 12" = 1'-0"	

Approved as to Form CAO RISK
Agreement #: Ag-5097 - Page 322 of 329
8/20/2015 12:03:31 PM

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: 8/20/2015

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)		89,347
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		89,347

☐ Check here if building contains both conditioned and unconditioned areas.

B. COMPLETE BUILDING METHOD LIGHTING POWER ALLOWANCE

A	B		C		D
TYPE OF BUILDING (From §140.6 Table 140.6-B)	WATTS PER (ft²)	X	COMPLETE BLDG. AREA	=	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	89,347
Total from section C-3	0
Total Watts. Enter Total Watts into section A, row 2 (Above on this page)	89,347

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: 8/20/2015

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 a 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
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: 8/20/2015

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 [2]	
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, FS277B, one dimmable electronic ballast)	Watts per Luminaire	CEC Default Table Watts	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
F3d	F3d	4.5	☐	☑	47	212	Corridor/Restroom/Support	☐	☐
F4	F4	4.0	☐	☑	250	1,000	Corridor/Restroom/Support	☐	☐
F5	F5	9.0	☐	☑	60	540	Convention/Conference/Meetin	☐	☐
F6	F6	36.7	☐	☑	8	294	Corridor/Restroom/Support	☐	☐
F7	F7	1.0	☐	☑	831	831	Convention/Conference/Meetin	☐	☐
F7b	F7b	1.0	☐	☑	1,662	1,662	Corridor/Restroom/Support	☐	☐
F8	F8	4.5	☐	☑	262	1,179	Convention/Conference/Meetin	☐	☐
F9	F9	36.0	☐	☑	4	144	Corridor/Restroom/Support	☐	☐
F9	F9	36.0	☐	☑	65	2,340	Lobby, Main Entry	☐	☐
				INSTALLED WATTS PAGE TOTAL:		8,201	Enter sum total of all pages into NRCC-LTI-01-E; Page 2		

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: 8/20/2015

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		B	C		D
AREA CATEGORY (From §140.6 Table 140.6-C)		WATTS PER (ft²)	AREA (ft²)	=	ALLOWED WATTS
Location in Building	Primary Function Area per Table 140.6-C				
LOBBY/BALLROOM	Lobby, Main Entry	1.50	27,497		41,246
SUPPORT AREAS	Corridor/Restroom/Support	0.60	4,027		2,416
STORAGE	Commercial, Industrial Storage	0.60	755		453
MEP ROOMS	Electrical, Mechanical Room	0.70	680		476
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	69,004		
Enter sum total Area Category allowed watts into section C-1 of NRCC-LTI-03-E (this compliance form)					89,347
					WATTS

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: 8/20/2015

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]				Field Inspector
														✓ if Verified
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)	§130.1(f)	§140.6(d)	Wattage Controlled (Lighting Load)	PAF	Control Credit (K x L x M)	Control Credit Applied	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(6) = 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
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: 8/20/2015

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 [2]	
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, FS277B, one dimmable electronic ballast)	Watts per Luminaire	CEC Default Table Watts	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
F9a	F9a	36.0	☐	☑	6	216	Corridor/Restroom/Support	☐	☐
			☐	☐				☐	☐
			☐	☐				☐	☐
			☐	☐		

STATE OF CALIFORNIA
OUTDOOR LIGHTING CONTROLS
CEC-NRCC-LTO-01E (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	Date Prepared: 8/20/2015

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-01E (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	Date Prepared: 8/20/2015

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(c)1	§130.2(c)2	§130.2(c)3	§130.2(c)4	§130.2(c)5	§130.2(c)6		Pass	Fail
										☐	☐
										☐	☐
										☐	☐
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										☐	☐
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										☐	☐
										☐	☐
										☐	☐

STATE OF CALIFORNIA
OUTDOOR LIGHTING CONTROLS
CEC-NRCC-LTO-01E (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	Date Prepared: 8/20/2015

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: 8/20/2015
Address: 405 Howard Street, Suite 500	CEA Certification Identification (if applicable):
City/State/Zip: San Francisco, CA 94105-2928	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
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	Date Prepared: 8/20/2015

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		☐	☐
FX1	FX1	14.0	☐	☑	7	98	Other Entrance/Exit		☐	☐
FX2	FX2	14.0	☐	☑	6	84	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		☐	☐
FX11	FX11	20.0	☐	☑	2	40	Other Entrance/Exit		☐	☐
				INSTALLED WATTS PAGE TOTAL:		4,597	Enter sum total of all pages (**Sum Total INSTALLED** Outdoor lighting wattage) into NRCC-LTO-01-E; Page 1		4,900	

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	Date Prepared: 8/20/2015

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
FX13	FX13	32.9	☐	☑	8	263	Other Entrance/Exit		☐	☐
FX14	FX14	20.0	☐	☑	2	40	Other Entrance/Exit		☐	☐
			☐	☐					☐	☐
			☐	☐					☐	☐
			☐	☐		

STATE OF CALIFORNIA
SIGN LIGHTING
CEC-NRCC-LTS-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: 8/20/2015

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STATE OF CALIFORNIA
SIGN LIGHTING
CEC-NRCC-LTS-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: 8/20/2015

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 30 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-NRCC-LTS-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: 8/20/2015

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				Design Watts	Complies Y/N	Filled Inspector Check that sign complies
		✓	Sign Area (ft²)	Internally (I) or Externally (E) Illuminated	Allowed (I*2) (E – 12 W/ft²) (E – 24 W/ft²)	Allowed Watts (D x E)	Total installed watts for sign	Complies if = ≤ G	✓
	ENTRANCE SIGN	☐	400	Int	12.0	4,800	60	Y	☐
		☐							☐
		☐							☐
		☐							☐
		☐							☐
		☐							☐
		☐							☐
		☐							☐
		☐							☐
		☐							☐

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 "I" if the sign is internally illuminated. List "E" if the sign is externally illuminated.
F	Allowed watts per square foot. Enter 12 if the sign is listed as "I" in column E. Enter 2.3 if sign is listed as "E" 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-NRCC-LTS-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: 8/20/2015

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 Checks that Sign Complies ✓
		☐		☐
		☐		☐
		☐		☐
		☐		☐
		☐		☐

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.	
	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.	
D	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-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	Date Prepared: 8/20/2015

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
SIGN LIGHTING
CEC-NRCC-LTS-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: 8/20/2015

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-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	Date Prepared: 8/20/2015

A. OUTDOOR LIGHTING POWER ALLOWANCE SUMMARY

1. General Hardscape Lighting Power Allowance (Use Total from Section B of NRCC-LTO-03-E)								1.	2,790
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.			
1,180	+	0	+	0	+	1,474	+	2.	2,654
3. **Sum Total ALLOWED** Outdoor Lighting Wattage (add rows 1 and 2)								3.	5,443

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	980	0.090	88	208	0.600	125	0	211
							TOTAL	2,790

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	Date Prepared: 8/20/2015

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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	Date Prepared: 8/20/2015

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-03-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	1,180
				FX2	FX2	6	14.0	84	
				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:			1,180

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-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	Date Prepared: 8/20/2015

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-03-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:			1,180

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

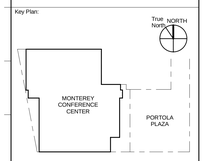
580 PACIFIC STREET, MONTEREY, CA 93940
TEL: (831) 646-5601

Architect:
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:
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015

Key Plan:


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

Sheet Name:
ELECTRICAL TITLE 24 CALCULATIONS

Project No.: Project Number	Sheet No.: E0.13
Drawn By: Author	
Checked By: Checker	
Scale: 12" = 1'-0"	

120V, 1-PHASE COPPER WIRE

MAXIMUM LENGTH OF CONDUCTOR IN FT TO BE USED PER VA AND WIRE SIZE

kVA	CONDUCTOR SIZE						
	#12	#10	#8	#6	#4	#2	#1
0.4	280ft	446ft	694ft	1,100ft	1,753ft	2,784ft	3,506ft
0.8	140ft	223ft	347ft	550ft	877ft	1,392ft	1,753ft
1.2	93ft	149ft	231ft	367ft	584ft	928ft	1,169ft
1.6	70ft	112ft	174ft	275ft	438ft	696ft	877ft
2.0	56ft	89ft	139ft	220ft	351ft	557ft	701ft
2.4	47ft	74ft	116ft	183ft	292ft	464ft	584ft
2.8	-	64ft	99ft	157ft	250ft	398ft	501ft
3.2	-	56ft	87ft	137ft	219ft	348ft	438ft
3.6	-	50ft	77ft	122ft	195ft	309ft	390ft
4.0	-	-	69ft	110ft	175ft	278ft	351ft
4.4	-	-	63ft	100ft	159ft	253ft	319ft
4.8	-	-	58ft	92ft	146ft	232ft	292ft
5.2	-	-	-	85ft	135ft	214ft	270ft
5.6	-	-	-	79ft	125ft	199ft	250ft
6.0	-	-	-	73ft	117ft	186ft	234ft
6.4	-	-	-	69ft	110ft	174ft	219ft
6.8	-	-	-	-	103ft	164ft	206ft
7.2	-	-	-	-	97ft	155ft	195ft
7.6	-	-	-	-	92ft	147ft	185ft
8.0	-	-	-	-	88ft	139ft	175ft
8.4	-	-	-	-	83ft	133ft	167ft
8.8	-	-	-	-	-	127ft	159ft
9.2	-	-	-	-	-	121ft	152ft
9.6	-	-	-	-	-	116ft	146ft
10.0	-	-	-	-	-	111ft	140ft
10.4	-	-	-	-	-	107ft	135ft
10.8	-	-	-	-	-	103ft	130ft
11.2	-	-	-	-	-	99ft	125ft
11.6	-	-	-	-	-	-	121ft
12.0	-	-	-	-	-	-	117ft
12.4	-	-	-	-	-	-	113ft
12.8	-	-	-	-	-	-	110ft
13.2	-	-	-	-	-	-	106ft
13.6	-	-	-	-	-	-	-
14.0	-	-	-	-	-	-	-
14.4	-	-	-	-	-	-	-
14.8	-	-	-	-	-	-	-
15.2	-	-	-	-	-	-	-
15.6	-	-	-	-	-	-	-
16.0	-	-	-	-	-	-	-

BASED ON 3% VOLTAGE DROP ALLOWED FOR BRANCH CIRCUITS PER TITLE 24 2013.

VOLTAGE DROP = (CIRCUIT AMPS) X (TWICE THE LENGTH OF CONDUCTOR) X (WIRE RESISTANCE)

208V, 1-PHASE COPPER WIRE

MAXIMUM LENGTH OF CONDUCTOR IN FT TO BE USED PER VA AND WIRE SIZE

kVA	CONDUCTOR SIZE						
	#12	#10	#8	#6	#4	#2	#1
0.7	480ft	766ft	1,192ft	1,888ft	3,010ft	4,779ft	6,020ft
1.4	240ft	383ft	596ft	944ft	1,505ft	2,389ft	3,010ft
2.1	160ft	255ft	397ft	629ft	1,003ft	1,593ft	2,007ft
2.8	120ft	192ft	298ft	472ft	753ft	1,195ft	1,505ft
3.5	96ft	153ft	238ft	378ft	602ft	956ft	1,204ft
4.2	80ft	128ft	199ft	315ft	502ft	796ft	1,003ft
4.9	-	109ft	170ft	270ft	430ft	683ft	860ft
5.6	-	96ft	149ft	236ft	376ft	597ft	753ft
6.3	-	85ft	132ft	210ft	334ft	531ft	669ft
7.0	-	-	119ft	189ft	301ft	478ft	602ft
7.7	-	-	108ft	172ft	274ft	434ft	547ft
8.4	-	-	99ft	157ft	251ft	398ft	502ft
9.1	-	-	-	145ft	232ft	368ft	463ft
9.8	-	-	-	135ft	215ft	341ft	430ft
10.5	-	-	-	126ft	201ft	319ft	401ft
11.2	-	-	-	118ft	188ft	299ft	376ft
11.9	-	-	-	-	177ft	281ft	354ft
12.6	-	-	-	-	167ft	265ft	334ft
13.3	-	-	-	-	158ft	252ft	317ft
14.0	-	-	-	-	151ft	239ft	301ft
14.7	-	-	-	-	-	228ft	287ft
15.4	-	-	-	-	-	217ft	274ft
16.1	-	-	-	-	-	208ft	262ft
16.8	-	-	-	-	-	199ft	251ft
17.5	-	-	-	-	-	191ft	241ft
18.2	-	-	-	-	-	184ft	232ft
18.9	-	-	-	-	-	177ft	223ft
19.6	-	-	-	-	-	171ft	215ft
20.3	-	-	-	-	-	-	208ft
21.0	-	-	-	-	-	-	201ft
21.7	-	-	-	-	-	-	194ft
22.4	-	-	-	-	-	-	188ft
23.1	-	-	-	-	-	-	-
23.8	-	-	-	-	-	-	-
24.5	-	-	-	-	-	-	-
25.2	-	-	-	-	-	-	-
25.9	-	-	-	-	-	-	-
26.6	-	-	-	-	-	-	-
27.3	-	-	-	-	-	-	-
28.0	-	-	-	-	-	-	-

BASED ON 3% VOLTAGE DROP ALLOWED FOR BRANCH CIRCUITS PER TITLE 24 2013.

VOLTAGE DROP = (CIRCUIT AMPS) X (TWICE THE LENGTH OF CONDUCTOR) X (WIRE RESISTANCE)

277V, 1-PHASE COPPER WIRE

MAXIMUM LENGTH OF CONDUCTOR IN FT TO BE USED PER VA AND WIRE SIZE

kVA	CONDUCTOR SIZE						
	#12	#10	#8	#6	#4	#2	#1
0.9	663ft	1,057ft	1,644ft	2,605ft	4,152ft	6,592ft	8,304ft
1.8	331ft	528ft	822ft	1,302ft	2,076ft	3,296ft	4,152ft
2.7	221ft	352ft	548ft	868ft	1,384ft	2,197ft	2,768ft
3.6	166ft	264ft	411ft	651ft	1,038ft	1,648ft	2,076ft
4.5	133ft	211ft	329ft	521ft	830ft	1,318ft	1,661ft
5.4	110ft	176ft	274ft	434ft	692ft	1,099ft	1,384ft
6.3	-	151ft	235ft	372ft	593ft	942ft	1,186ft
7.2	-	132ft	205ft	326ft	519ft	824ft	1,038ft
8.1	-	117ft	183ft	289ft	461ft	732ft	923ft
9.0	-	-	164ft	260ft	415ft	659ft	830ft
9.9	-	-	149ft	237ft	377ft	599ft	755ft
10.8	-	-	137ft	217ft	346ft	549ft	692ft
11.7	-	-	-	200ft	319ft	507ft	639ft
12.6	-	-	-	186ft	297ft	471ft	593ft
13.5	-	-	-	174ft	277ft	439ft	554ft
14.4	-	-	-	163ft	260ft	412ft	519ft
15.3	-	-	-	153ft	244ft	388ft	488ft
16.2	-	-	-	-	231ft	366ft	461ft
17.1	-	-	-	-	219ft	347ft	437ft
18.0	-	-	-	-	208ft	330ft	415ft
18.9	-	-	-	-	198ft	314ft	395ft
19.8	-	-	-	-	-	300ft	377ft
20.7	-	-	-	-	-	287ft	361ft
21.6	-	-	-	-	-	275ft	346ft
22.5	-	-	-	-	-	264ft	332ft
23.4	-	-	-	-	-	254ft	319ft
24.3	-	-	-	-	-	244ft	308ft
25.2	-	-	-	-	-	235ft	297ft
26.1	-	-	-	-	-	227ft	286ft
27.0	-	-	-	-	-	-	277ft
27.9	-	-	-	-	-	-	268ft
28.8	-	-	-	-	-	-	260ft
29.7	-	-	-	-	-	-	252ft
30.6	-	-	-	-	-	-	-
31.5	-	-	-	-	-	-	-
32.4	-	-	-	-	-	-	-
33.3	-	-	-	-	-	-	-
34.2	-	-	-	-	-	-	-
35.1	-	-	-	-	-	-	-
36.0	-	-	-	-	-	-	-

BASED ON 3% VOLTAGE DROP ALLOWED FOR BRANCH CIRCUITS PER TITLE 24 2013.

VOLTAGE DROP = (CIRCUIT AMPS) X (TWICE THE LENGTH OF CONDUCTOR) X (WIRE RESISTANCE)

Size (AWG or kcmil)	Direct-Current Resistance at 75°C (167°F)	
	Copper	Aluminum
	Uncoated	
	Ohm per 1000ft	Ohm per 1000ft
12	1.93	3.18
10	1.21	2.00
8	0.778	1.28
6	0.491	0.808
4	0.308	0.508
3	0.245	0.403
2	0.194	0.319
1	0.154	0.253
1/0	0.122	0.201
2/0	0.0967	0.159
3/0	0.0766	0.126
4/0	0.0608	0.100
250	0.0515	0.0847
300	0.0429	0.0707
350	0.0367	0.0605
400	0.0321	0.0529
500	0.0258	0.0424

208V, 3-PHASE COPPER WIRE

MAXIMUM LENGTH OF CONDUCTOR IN FT TO BE USED PER VA AND WIRE SIZE

kVA	CONDUCTOR SIZE						
	#12	#10	#8	#6	#4	#2	#1
1.2	216ft	344ft	535ft	848ft	1,352ft	2,146ft	2,703ft
2.4	108ft	172ft	268ft	424ft	676ft	1,073ft	1,352ft
3.6	72ft	115ft	178ft	283ft	451ft	715ft	901ft
4.8	54ft	86ft	134ft	212ft	338ft	536ft	676ft
6.0	43ft	69ft	107ft	170ft	270ft	429ft	541ft
7.2	36ft	57ft	89ft	141ft	225ft	358ft	451ft
8.4	-	49ft	76ft	121ft	193ft	307ft	386ft
9.6	-	43ft	67ft	106ft	169ft	268ft	338ft
10.8	-	38ft	59ft	94ft	150ft	238ft	300ft
12.0	-	-	54ft	85ft	135ft	215ft	270ft
13.2	-	-	49ft	77ft	123ft	195ft	246ft
14.4	-	-	45ft	71ft	113ft	179ft	225ft
15.6	-	-	-	65ft	104ft	165ft	208ft
16.8	-	-	-	61ft	97ft	153ft	193ft
18.0	-	-	-	57ft	90ft	143ft	180ft
19.2	-	-	-	53ft	84ft	134ft	169ft
20.4	-	-	-	-	80ft	126ft	159ft
21.6	-	-	-	-	75ft	119ft	150ft
22.8	-	-	-	-	71ft	113ft	142ft
24.0	-	-	-	-	68ft	107ft	135ft
25.2	-	-	-	-	64ft	102ft	129ft
26.4	-	-	-	-	-	98ft	123ft
27.6	-	-	-	-	-	93ft	118ft
28.8	-	-	-	-	-	89ft	113ft
30.0	-	-	-	-	-	86ft	108ft
31.2	-	-	-	-	-	83ft	104ft
32.4	-	-	-	-	-	79ft	100ft
33.6	-	-	-	-	-	77ft	97ft
34.8	-	-	-	-	-	-	93ft
36.0	-	-	-	-	-	-	90ft
37.2	-	-	-	-	-	-	87ft
38.4	-	-	-	-	-	-	84ft
39.6	-	-	-	-	-	-	82ft
40.8	-	-	-	-	-	-	-
42.0	-	-	-	-	-	-	-
43.2	-	-	-	-	-	-	-
44.4	-	-	-	-	-	-	-
45.6	-	-	-	-	-	-	-
46.8	-	-	-	-	-	-	-
48.0	-	-	-	-	-	-	-

BASED ON 2% VOLTAGE DROP ALLOWED FOR FEEDERS PER TITLE 24 2013.

VOLTAGE DROP = (CIRCUIT AMPS) X (TWICE THE LENGTH OF CONDUCTOR) X (WIRE RESISTANCE)

208V, 3-PHASE COPPER WIRE

MAXIMUM LENGTH OF CONDUCTOR IN FT TO BE USED PER VA AND WIRE SIZE

kVA	CONDUCTOR SIZE									
	1/0	2/0	3/0	4/0	250KCM	300KCM	350KCM	400KCM	500KCM	
3.4	1,204ft	1,520ft	1,918ft	2,417ft	2,853ft	3,425ft	4,004ft	4,577ft	5,695ft	
6.8	602ft	760ft	959ft	1,208ft	1,427ft	1,713ft	2,002ft	2,289ft	2,848ft	
10.2	401ft	507ft	639ft	806ft	951ft	1,142ft	1,335ft	1,526ft	1,898ft	
13.6	301ft	380ft	480ft	604ft	713ft	856ft	1,001ft	1,144ft	1,424ft	
17.0	241ft	304ft	384ft	483ft	571ft	685ft	801ft	915ft	1,139ft	
20.4	201ft	253ft	320ft	403ft	476ft	571ft	667ft	763ft	949ft	
23.8	172ft	217ft	274ft	345ft	408ft	489ft	572ft	654ft	814ft	
27.2	151ft	190ft	240ft	302ft	357ft	428ft	500ft	572ft	712ft	
30.6	134ft	169ft	213ft	269ft	317ft	381ft	445ft	509ft	633ft	
34.0	120ft	152ft	192ft	242ft	285ft	343ft	400ft	458ft	570ft	
37.4	109ft	138ft	174ft	220ft	259ft	311ft	364ft	416ft	518ft	
40.8	100ft	127ft	160ft	201ft	238ft	285ft	334ft	381ft	475ft	
44.2	93ft	117ft	148ft	186ft	219ft	263ft	308ft	352ft	438ft	
47.6	86ft	109ft	137ft	173ft	204ft	245ft	286ft	327ft	407ft	
51.0	80ft	101ft	128ft	161ft	190ft	228ft	267ft	305ft	380ft	
54.4	-	95ft	120ft	151ft	178ft	214ft	250ft	286ft	356ft	
57.8	-	89ft	113ft	142ft	168ft	201ft	236ft	269ft	335ft	
61.2	-	84ft	107ft	134ft	159ft	190ft	222ft	254ft	316ft	
64.6	-	-	101ft	127ft	150ft	180ft	211ft	241ft	300ft	
68.0	-	-	96ft	121ft	143ft	171ft	200ft	229ft	285ft	
71.4	-	-	91ft	115ft	136ft	163ft	191ft	218ft	271ft	
74.8	-	-	-	110ft	130ft	156ft	182ft	208ft	259ft	
78.2	-	-	-	105ft	124ft	149ft	174ft	199ft	248ft	
81.6	-	-	-	101ft	119ft	143ft	167ft	191ft	237ft	
85.0	-	-	-	-	114ft	137ft	160ft	183ft	228ft	
88.4	-	-	-	-	110ft	132ft	154ft	176ft	219ft	
91.8	-	-	-	-	106ft	127ft	148ft	170ft	211ft	
95.2	-	-	-	-	-	122ft	143ft	163ft	203ft	
98.6	-	-	-	-	-	118ft	138ft	158ft	196ft	
102.0	-	-	-	-	-	114ft	133ft	153ft	190ft	
105.4	-	-	-	-	-	-	129ft	148ft	184ft	
108.8	-	-	-	-	-	-	125ft	143ft	178ft	
112.2	-	-	-	-	-	-	-	139ft	173ft	
115.6	-	-	-	-	-	-	-	135ft	168ft	
119.0	-	-	-	-	-	-	-	131ft	163ft	
122.4	-	-	-	-	-	-	-	-	158ft	
125.8	-	-	-	-	-	-	-	-	154ft	
129.2	-	-	-	-	-	-	-	-	150ft	
132.6	-	-	-	-	-	-	-	-	146ft	
136.0	-	-	-	-	-	-	-	-	142ft	

BASED ON 2% VOLTAGE DROP ALLOWED FOR FEEDERS PER TITLE 24 2013.

VOLTAGE DROP = (CIRCUIT AMPS) X (TWICE THE LENGTH OF CONDUCTOR) X (WIRE RESISTANCE)

480V, 3-PHASE COPPER WIRE

MAXIMUM LENGTH OF CONDUCTOR IN FT TO BE USED PER VA AND WIRE SIZE

kVA	CONDUCTOR SIZE						
	#12	#10	#8	#6	#4	#2	#1
2.7	511ft	814ft	1,267ft	2,007ft	3,199ft	5,079ft	6,399ft
5.4	255ft	407ft	633ft	1,003ft	1,600ft	2,540ft	3,199ft
8.1	170ft	271ft	422ft	669ft	1,066ft	1,693ft	2,133ft
10.8	128ft	204ft	317ft	502ft	800ft	1,270ft	1,600ft
13.5	102ft	163ft	253ft	401ft	640ft	1,016ft	1,280ft
16.2	85ft	136ft	211ft	334ft	533ft	847ft	1,066ft
18.9	-	116ft	181ft	287ft	457ft	726ft	914ft
21.6	-	102ft	158ft	251ft	400ft	635ft	800ft
24.3	-	90ft	141ft	223ft	355ft	564ft	711ft
27.0	-	-	127ft	201ft	320ft	508ft	640ft
29.7	-	-	115ft	182ft	291ft	462ft	582ft
32.4	-	-	106ft	167ft	267ft	423ft	533ft
35.1	-	-	-	154ft	246ft	391ft	492ft
37.8	-	-	-	143ft	229ft	363ft	457ft
40.5	-	-	-	134ft	213ft	339ft	427ft
43.2	-	-	-	125ft	200ft	317ft	400ft
45.9	-	-	-	118ft	188ft	299ft	376ft
48.6	-	-	-	-	178ft	282ft	355ft
51.3	-	-	-	-	168ft	267ft	337ft
54.0	-	-	-	-	160ft	254ft	320ft
56.7	-	-	-	-	152ft	242ft	305ft
59.4	-	-	-	-	-	231ft	291ft
62.1	-	-	-	-	-	221ft	278ft
64.8	-	-	-	-	-	212ft	267ft
67.5	-	-	-	-	-	203ft	256ft
70.2	-	-	-	-	-	195ft	246ft
72.9	-	-	-	-	-	188ft	237ft
75.6	-	-	-	-	-	181ft	229ft
78.3	-	-	-	-	-	175ft	221ft
81.0	-	-	-	-	-	-	213ft
83.7	-	-	-	-	-	-	206ft
86.4	-	-	-	-	-	-	200ft
89.1	-	-	-	-	-	-	194ft
91.8	-	-	-	-	-	-	-
94.5	-	-	-	-	-	-	-
97.2	-	-	-	-	-	-	-
99.9	-	-	-	-	-	-	-
102.6	-	-	-	-	-	-	-
105.3	-	-	-	-	-	-	-
108.0	-	-	-	-	-	-	-

BASED ON 2% VOLTAGE DROP ALLOWED FOR FEEDERS PER TITLE 24 2013.

VOLTAGE DROP = (CIRCUIT AMPS) X (TWICE THE LENGTH OF CONDUCTOR) X (WIRE RESISTANCE)

480V, 3-PHASE COPPER WIRE

MAXIMUM LENGTH OF CONDUCTOR IN FT TO BE USED PER VA AND WIRE SIZE

kVA	CONDUCTOR SIZE									
	1/0	2/0	3/0	4/0	250KCM	300KCM	350KCM	400KCM	500KCM	
7.9	2,760ft	3,483ft	4,397ft	5,539ft	6,539ft	7,850ft	9,176ft	10,491ft	13,053ft	
15.8	1,380ft	1,741ft	2,198ft	2,770ft	3,270ft	3,925ft	4,588ft	5,246ft	6,527ft	
23.7	920ft	1,161ft	1,466ft	1,846ft	2,180ft	2,617ft	3,059ft	3,497ft	4,351ft	
31.6	690ft	871ft	1,099ft	1,385ft	1,635ft	1,963ft	2,294ft	2,623ft	3,263ft	
39.5	552ft	697ft	879ft	1,108ft	1,308ft	1,570ft	1,835ft	2,098ft	2,611ft	
47.4	460ft	580ft	733ft	923ft	1,090ft	1,308ft	1,529ft	1,749ft	2,176ft	
55.3	394ft	498ft	628ft	791ft	934ft	1,121ft	1,311ft	1,499ft	1,865ft	
63.2	345ft	435ft	550ft	692ft	817ft	981ft	1,147ft	1,311ft	1,632ft	
71.1	307ft	387ft	489ft	615ft	727ft	872ft	1,020ft	1,166ft	1,450ft	
79.0	276ft	348ft	440ft	554ft	654ft	785ft	918ft	1,049ft	1,305ft	
86.9	251ft	317ft	400ft	504ft	594ft	714ft	834ft	954ft	1,187ft	
94.8	230ft	290ft	366ft	462ft	545ft	654ft	765ft	874ft	1,088ft	
102.7	212ft	268ft	338ft	426ft	503ft	604ft	706ft	807ft	1,004ft	
110.6	197ft	249ft	314ft	396ft	467ft	561ft	655ft	749ft	932ft	
118.5	184ft	232ft	293ft	369ft	436ft	523ft	612ft	699ft	870ft	
126.4	-	218ft	275ft	346ft	409ft	491ft	574ft	656ft	816ft	
134.3	-	205ft	259ft	326ft	385ft	462ft	540ft	617ft	768ft	
142.2	-	193ft	244ft	308ft	363ft	436ft	510ft	583ft	725ft	
150.1	-	-	231ft	292ft	344ft	413ft	483ft	552ft	687ft	
158.0	-	-	220ft	277ft	327ft	393ft	459ft	525ft	653ft	
165.9	-	-	209ft	264ft	311ft	374ft	437ft	500ft	622ft	
173.8	-	-	-	252ft	297ft	357ft	417ft	477ft	593ft	
181.7	-	-	-	241ft	284ft	341ft	399ft	456ft	568ft	
189.6	-	-	-	231ft	272ft	327ft	382ft	437ft	544ft	
197.5	-	-	-	-	262ft	314ft	367ft	420ft	522ft	
205.4	-	-	-	-	252ft	302ft	353ft	404ft	502ft	
213.3	-	-	-	-	-	291ft	340ft	389ft	483ft	
221.2	-	-	-	-	-	280ft	328ft	375ft	466ft	
229.1	-	-	-	-	-	271ft	316ft	362ft	450ft	
237.0	-	-	-	-	-	-	306ft	350ft	435ft	
244.9	-	-	-	-	-	-	296ft	338ft	421ft	
252.8	-	-	-	-	-	-	287ft	328ft	408ft	
260.7	-	-	-	-	-	-	-	318ft	396ft	
268.6	-	-	-	-	-	-	-	309ft	384ft	
276.5	-	-	-	-	-	-	-	300ft	373ft	
284.4	-	-	-	-	-	-	-	-	363ft	
292.3	-	-	-	-	-	-	-	-	353ft	
300.2	-	-	-	-	-	-	-	-	344ft	
308.1	-	-	-	-	-	-	-	-	335ft	
316.0	-	-	-	-	-	-	-	-	-	

BASED ON 2% VOLTAGE DROP ALLOWED FOR FEEDERS PER TITLE 24 2013.

VOLTAGE DROP = (CIRCUIT AMPS) X (TWICE THE LENGTH OF CONDUCTOR) X (WIRE RESISTANCE)

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:

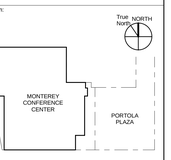
WSP

405 Howard St., Suite 500
San Francisco, CA 94105
(415) 398-3833
www.wspgroup.com/usa

Issued For:

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

Key Plan:



Seal & Signature:



Sheet Name:

ELECTRICAL
TITLE 24
CALCULATIONS

Project No.: Project Number
Sheet No.: E0.14
Drawn By: Author
Checked By: Checker
Scale: 12" = 1'-0"

Approved as to Form CAO NSW

2/2/2015 12:10:51 PM

STATE OF CALIFORNIA
Electrical Power Distribution
CEC-NRCC-ELC-01-E (Revised 05/15) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-ELC-01-E
Electrical Power Distribution	[Page 7 of 7]
Project Name:	Date Prepared:

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:	
Address:	405 HOWARD ST, STE 500	CEA/ HERS 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 ST, STE 500	License:	E17287
City/State/Zip:	SAN FRANCISCO, CA 94105	Phone:	415.398.3833

STATE OF CALIFORNIA
Electrical Power Distribution
CEC-NRCC-ELC-01-E (Revised 05/15) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-ELC-01-E
Electrical Power Distribution	[Page 4 of 7]
Project Name:	Date Prepared:

D. Disaggregation of Electrical Circuits (continued)

Table 130.5-B - MINIMUM REQUIREMENTS FOR SEPARATION OF ELECTRICAL LOAD

Table 130.5 – B sets the upper limit on how many load(s) of each type can be supplied by each feeder. A feeder may not supply loads of more than one type unless the service is rated at 50 kVA or less. For instance, on the fifth row of the table, one feeder on a service >50 kVA could be used to supply all the plug loads on a floor of a building, provided that there are no areas in which more than 25kVA of plug load is supplied to a space less than 5000sf

Load Type	Services rated 50 kVA or less	Services rated more than 50kVA and less than or equal to 250 kVA	Services rated more than 250 kVA and less than or equal to 1000kVA	Services rated more than 1000kVA
Lighting including exit and egress lighting and exterior lighting	Not required	All lighting in aggregate	All lighting disaggregated by floor, type or area	All lighting disaggregated by floor, type or area
HVAC systems and components including chillers, fans, heaters, furnaces, package units, cooling towers, and circulation pumps associated with HVAC	Not required	All HVAC in aggregate	All HVAC in aggregate and each HVAC load rated at least 50 kVA	All HVAC in aggregate and each HVAC load rated at least 50kVA
Domestic and service water system pumps and related systems and components	Not required	All loads in aggregate	All loads in aggregate	All loads in aggregate
Plug load including appliances rated less than 25 kVA	Not required	All plug load in aggregate Groups of plug loads exceeding 25 kVA connected load in an area less than 1000 sf	All plug load separated by floor, type or area Groups of plug loads exceeding 25 kVA connected load in an area less than 5000 sf	All plug loads separated by floor, type or area. All groups of plug loads exceeding 25 kVA connected load in an area less than 5000 sf
Elevators, escalators, moving walks, and transit systems	Not required	All loads in aggregate	All loads in aggregate	All loads in aggregate
Other individual non-HVAC loads or appliances rated 25kVA or greater	Not required	All	Each	Each
Industrial and commercial load centers 25 kVA or greater including theatrical lighting installations and commercial kitchens	Not required	All	Each	Each
Renewable power source (net or total)	Each group	Each group	Each group	Each group
Loads associated with renewable power source	Not required	All loads in aggregate	All loads in aggregate	All loads in aggregate
Charging stations for electric vehicles	All loads in aggregate	All loads in aggregate	All loads in aggregate	All loads in aggregate

STATE OF CALIFORNIA
Electrical Power Distribution
CEC-NRCC-ELC-01-E (Revised 05/15) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-ELC-01-E
Electrical Power Distribution	[Page 1 of 7]
Project Name: MONTEREY CONFERENCE CENTER	Date Prepared: 08/20/15

A. General Information

Project Address:		Climate Zone:	Conditioned Floor Area :
			Unconditioned Floor Area :

Building Type: ☒ Nonresidential ☐ High-Rise Residential ☐ Hotel/Motel
☐ Schools ☐ Relocatable Public Schools ☐ Conditioned Spaces ☐ Unconditioned Spaces
Phase of Construction: ☐ New Construction ☐ Addition ☒ Alteration

STATE OF CALIFORNIA
Electrical Power Distribution
CEC-NRCC-ELC-01-E (Revised 05/15) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-ELC-01-E
Electrical Power Distribution	[Page 5 of 7]
Project Name:	Date Prepared:

E. Voltage Drop

☐ Attach voltage drop worksheet to this form,
☐ Field inspector has discretion to approve the worksheets; the tables shown below in this section are advisory only
☐ Feeder conductors and branch circuits that are dedicated to emergency services are exempt from these requirements.
☐ An advisory table of typical power factors is shown below

	Field Inspector Pass	Field Inspector Fail
Feeders. Feeder conductors shall be sized for a maximum voltage drop of 2 percent at design load.	☐	☐
Branch Circuits. Branch circuit conductors shall be sized for a maximum voltage drop of 3 percent at design load.	☐	☐

Compliance Manual, Chapter 8, Table 8.2: Typical Power Factors for Voltage Drop Calculations

Load Type	Default Power Factor at 120 volts	Default Power Factor at 277 volts	Clarifying Notes
Fluorescent lighting	0.95	0.95	
Compact fluorescent lighting	0.9 (hardwired) 0.5 (GU-24)	0.9 (hardwired) 0.3 (GU-24)	NPF magnetic ballasts use GU-24 values
LED lighting	0.7	0.5	May be higher if specifications call for high power factor drivers
Incandescent lighting	1.0	1.0	
HID lighting	0.9	0.9	May be lower if NPF ballasts are specified
HVAC packages	0.85	0.9	
Other motors <5 HP	0.8	0.8	
Other motors >5 HP	0.85	0.85	
Kitchen equipment	0.9	N/A	
Receptacles	0.6	N/A	For dedicated receptacles, may be rated according to the load
Electric heating including hot water	1.0	1.0	
Other	0.85	0.85	

STATE OF CALIFORNIA
Electrical Power Distribution
CEC-NRCC-ELC-01-E (Revised 05/15) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-ELC-01-E
Electrical Power Distribution	[Page 2 of 7]
Project Name:	Date Prepared:

B. Electrical Service Metering

☐ Each newly installed electrical service (in both existing and newly constructed buildings) is required to be metered, as set out in Table 130.5-A, which is reproduced below.
☐ Fill out a separate line for each electrical service that is connected to the building.

Electrical Service Schedule	Electrical Service Rating	Metering Capabilities (check all that are present)				Field Inspector	
A	B	C	D	E	F	G	
Designation/location in building/description	kVA	kW demand (at the time of the utility peak demand)	Historical peak demand (kW)	Resettable kWh	kWh per rate period	Pass	Fail
MSBH	2,077	☒	☒	☒	☒	☐	☐
		☐	☐	☐	☐	☐	☐
		☐	☐	☐	☐	☐	☐
		☐	☐	☐	☐	☐	☐
		☐	☐	☐	☐	☐	☐
		☐	☐	☐	☐	☐	☐
		☐	☐	☐	☐	☐	☐
		☐	☐	☐	☐	☐	☐
		☐	☐	☐	☐	☐	☐
		☐	☐	☐	☐	☐	☐
		☐	☐	☐	☐	☐	☐
		☐	☐	☐	☐	☐	☐

Table 130.5-A - MINIMUM REQUIREMENTS FOR METERING OF ELECTRICAL LOAD

Meter Rating (kVA)	50 kVA or less	More than 50kVA and less than or equal to 250 kVA	More than 250 kVA and less than or equal to 1000kVA	Services rated more than 1000kVA
Instantaneous (at the time) kW demand	Required	Required	Required	Required
Historical peak demand (kW)	Not required	Not required	Required	Required
Resettable kWh	Required	Required	Required	Required
kWh per rate period	Not required	Not required	Not required	Required

STATE OF CALIFORNIA
Electrical Power Distribution
CEC-NRCC-ELC-01-E (Revised 05/15) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-ELC-01-E
Electrical Power Distribution	[Page 6 of 7]
Project Name:	Date Prepared:

F. Circuit Controls for 120-Volt Receptacles

☐ Controlled 120 volt receptacles shall be provided, as required by Section 130.5(d) of the Standards.
☐ In open office areas, controlled circuit receptacles are not required if, at time of final permit, workstations are installed, and each workstation is equipped with an occupant sensing control that is permanently mounted in each workstation, and which controls a hardwired, nonresidential-rated power strip. Plug-in strips and other plug-in devices that incorporate an occupant sensor shall not be used for this exception.
☐ Receptacles that are only for the following purposes are exempt:
- Receptacles specifically for refrigerators and water dispensers in kitchenettes.
- Receptacles located a minimum of six feet above the floor that are specifically for clocks.
- Receptacles for network copiers, fax machines, A/V and data equipment other than personal computers in copy rooms.

	Field Inspector Pass	Field Inspector Fail
1. At least one controlled receptacle is installed within 6 feet of each uncontrolled receptacle, or split-wired duplex receptacles are installed, that have one controlled and one uncontrolled receptacle. This applies in all of the following spaces: • Private offices, open office areas • Receptions and lobbies • Conference rooms • Kitchenettes in office spaces • Copy room	☐	☐
2. Electric circuits serving controlled receptacles are equipped with automatic shut-OFF controls following the requirements prescribed in Section 130.1(c)1 through 5 (in many cases this will mean that the receptacles are connected to the same automatic shut-OFF system as the general lighting of the space).	☐	☐
3. Controlled receptacles shall have a permanent marking to differentiate them from uncontrolled receptacles.	☐	☐
4. For open office areas, controlled circuits shall be provided and marked to support installation and configuration of office furniture with receptacles that comply with Section 130.5(d) 1, 2, and 3.	☐	☐
5. For hotel and motel guest rooms at least one-half of the 120-volt receptacles in each guest room are controlled receptacles that comply with Section 130.5(d)1, 2, and 3 (see numbers 1,2 and 3 above). Electric circuits serving controlled receptacles have captive card key controls, occupancy sensing controls, or automatic controls such that, no longer than 30 minutes after the guest room has been vacated, power is switched off.	☐	☐
6. Plug-in strips and other plug-in devices that incorporate an occupant sensor are not used to comply with any of these requirements.	☐	☐

STATE OF CALIFORNIA
Electrical Power Distribution
CEC-NRCC-ELC-01-E (Revised 05/15) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-ELC-01-E
Electrical Power Distribution	[Page 3 of 7]
Project Name:	Date Prepared:

C. Disaggregation of Electrical Circuits

☐ Each newly installed switchboard, panel, and motor control center (in both existing and newly constructed buildings) is required to be disaggregated according to the requirements of Table 130.5-B, shown on the next page.
☐ Individual branch circuits, taps or disconnects that require overcurrent protection devices rated 60A or greater.
☐ As an alternative, current transformers can be added for individual branch circuits and loads throughout the building, and a permanent measurement system can be installed. In this case, disaggregated wiring would not be required as long as the metering system allows the equivalent disaggregated measurements.
☐ Fill out a separate line for each switchboard, motor control center, panelboard and subpanel.

Switchboard, motor control center, panelboard or subpanel	Electrical Service that supplies that switchboard or panel	Electrical Service Rating	Field Inspector Pass	Field Inspector Fail
A	B	C	D	
Designation/location in building/description	Designation/location in building/description	kVA	☐	☐
MSBH	-	2,077	☐	☐
MSBL	MSBH	750	☐	☐
EBHA	MSBH	12.5	☐	☐
ECHA	MSBH	12.5	☐	☐
CHA	MSBH	187.0	☐	☐
CHB	CHA	58.2	☐	☐
CLA	CHA	112.5	☐	☐
CLC	CLA	81.0	☐	☐
AHC	MSBH	58.2	☐	☐
ALD	MSBL	252.0	☐	☐
ALG	MSBL	36.0	☐	☐
AHB	AHA	74.8	☐	☐
ALC	ALA	54.0	☐	☐
ALB	ALA	252.0	☐	☐
BHA	AHA	74.8	☐	☐
BLA	ALA	36.0	☐	☐
BLC	BLB	18.0	☐	☐
CLD	MSBL	288.0	☐	☐
CELA	EDP	18.0	☐	☐
AELA	EDP	18.0	☐	☐
ALB	MSBL	81.0	☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐
	OR			
	Current transformers have been attached to individual branch circuits and loads throughout the building, and a permanent measurement system is installed that allows an equivalent degree of disaggregated measurement as required by the Standards..		☐	☐

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:
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015

Key Plan:

Seal & Signature:



Sheet Name:

ELECTRICAL
TITLE 24
CALCULATIONS

Project No.:	Sheet No.:
Project Number	E0.15
Drawn By: Author	
Checked By: Checker	
Scale: 12" = 1'-0"	

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Agreement #: Ag-5097 - Page 323 of 329
Approved as to Form 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.

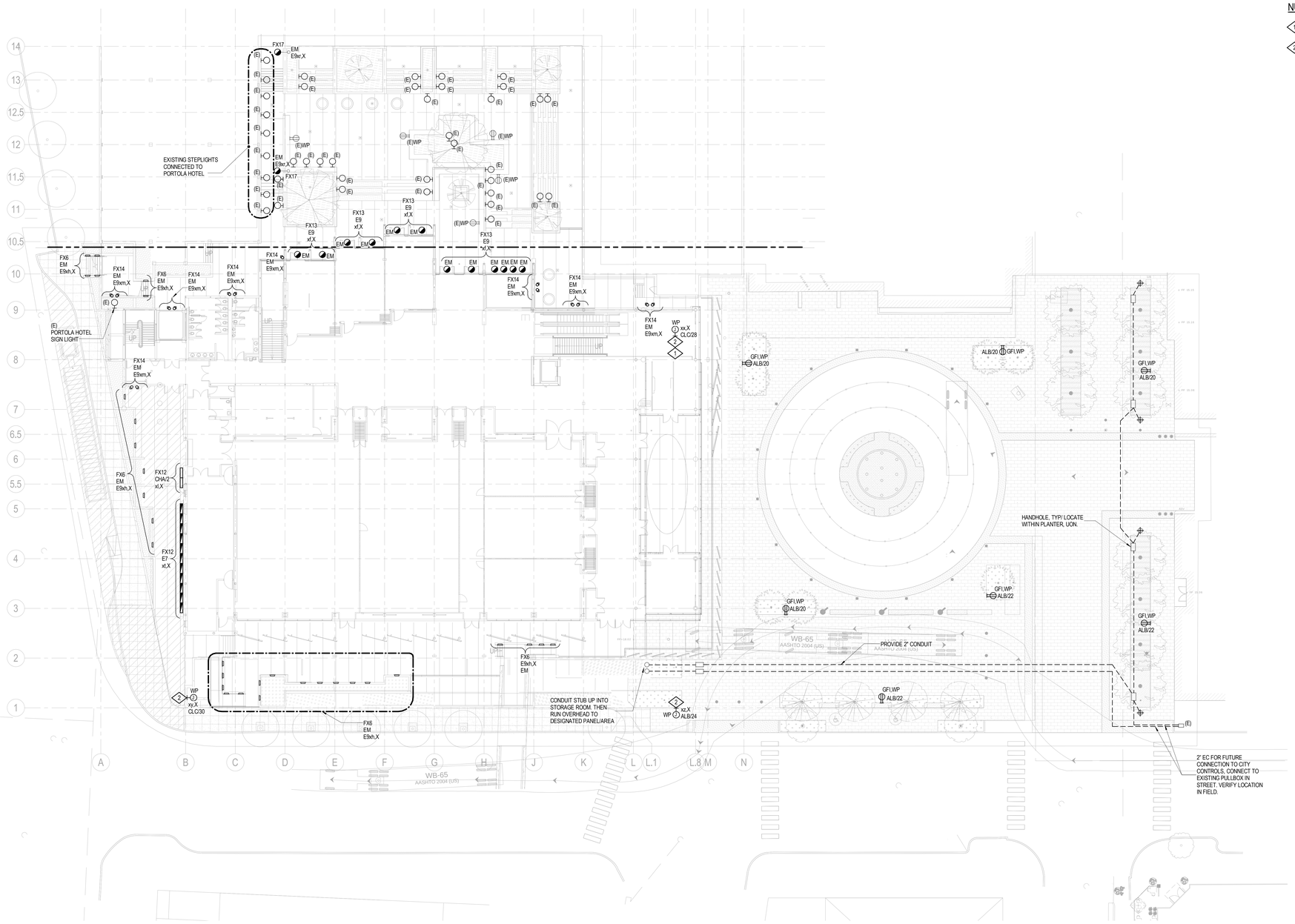
F. CONDUIT ROUTES SHOWN ARE APPROXIMATE. REFER TO CIVIL PLANS FOR EXACT ROUTING.

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

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
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL

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

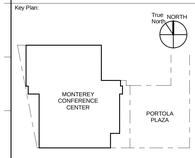
Architect:
SOM
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

Consultants:
WSP
405 Howard St., Suite 500
San Francisco, CA 94105
(415) 398-3833
www.wspgroup.com/usa

Issued For:

No.	Description:	Date:
	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

Key Plan:



Seal & Signature:

REGISTERED PROFESSIONAL ENGINEER
AMANDA J. BROWNLEE
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

2/3/2015 11:39:11 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.

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 · WOMENS 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 VESTIBULE 106 · EAST HALL 107A · STORAGE 108F · MEP/E/IDF 107H · 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 · KIOSK 63 · SIGN 61 · W1 65,67,69 · W1 92,94,96 · (R)RELOCATE TO NEW WALL POSITION · (E)MOTORIZED PARTITION AHC/16,18,20 · ALD/43 · (E)PASS THROUGH IN WALL FOR TEMPORARY CABLING · (E)BLA/25 · BLA/27 · KIOSK 76 · KIOSK 74 · W1 34,36,38 · KIOSK 8 · CONNECT 120/208V NORMAL POWER EQUIPMENT IN THIS AREA TO BLA, UON. · EF-25 BLC · LOCATED IN ESCALATOR PIT · PEDESTAL MOUNTED DEVICES · C4 MSBH · (R) EXISTING 400A COMPANY SWITCH RELOCATED FROM STAGE. · ALD/66 · W1 79,81,83 · (E)ALD/39 · W1 48,50,52 · W1 85,87,89 · W1 93,95,97 · (E)ALB/37 · (E)ALB/41 · ALB/83 · EWC · ALB/41 · 12" X 12" PASS THROUGH IN WALL AT FLOOR LEVEL FOR TEMPORARY CABLING. REFER TO DETAIL 6/S6.00 FOR OPENINGS IN EXISTING WALLS. · (E)MOTORIZED PARTITION AHA · (R)RELOCATE TO NEW WALL POSITION · 104,106,108 · ALB/33 · 105,107,109 · W1 98,100,102 · W1 51,53,55 · C2 MSBL · C3 MSBL · BLC/16 · CP · ACU-4 BLC · (E)VACUUM AHA · SIGN 84 · W1 75,77,79 · W1 67,69,71 · SIGN 70 · KIOSK 68 · AELA/16 · AHU-10 AHA · FARA · BMS · W1 59,61,63 · BLA/25 · 2 E3.01

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"

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL

580 PACIFIC STREET, MONTEREY, CA 93940
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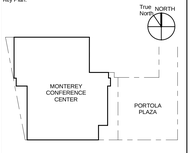
Architect:
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	30% SUBMITTAL	20 FEB 2015
	60% PROJECT COMPLETION	15 MAY 2015
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015

Key Plan:



Seal & Signature:



Sheet Name:

ELECTRICAL - POWER PLAN - LEVEL 01 - SOUTH

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

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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:

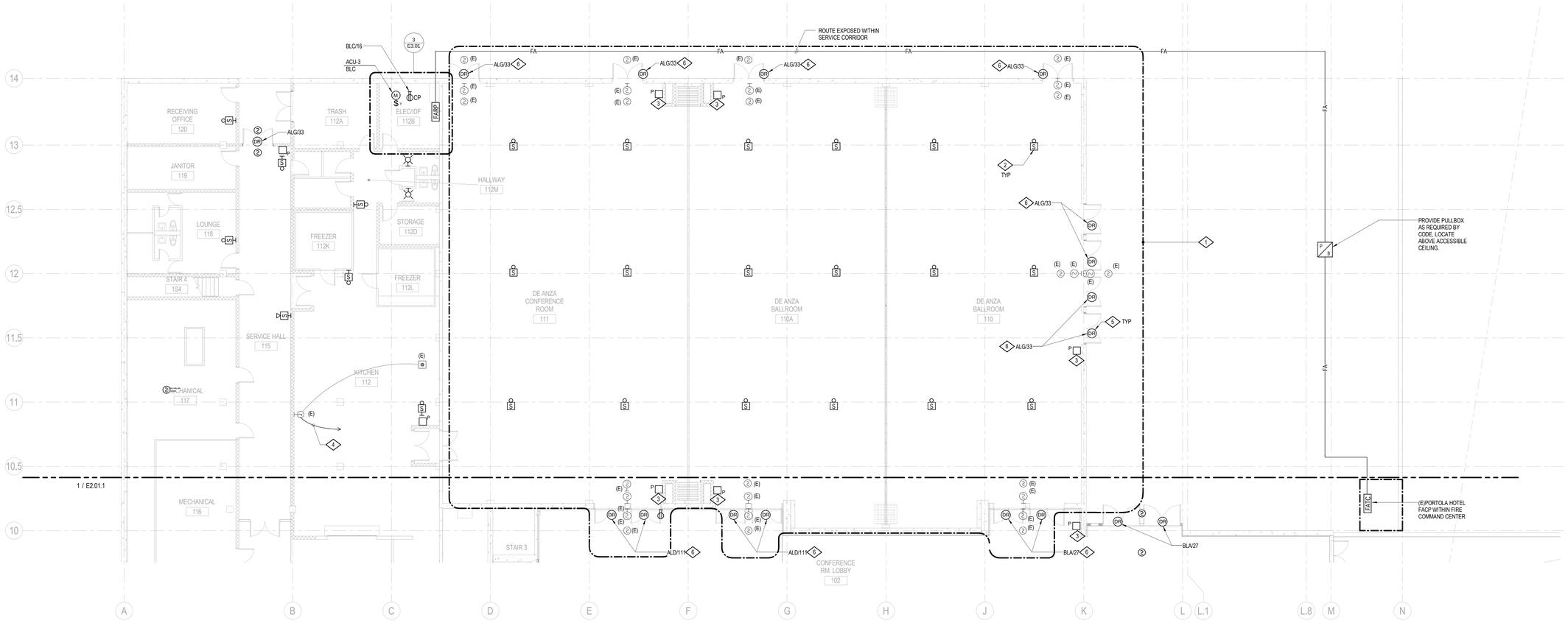
A. THE FIRE MANAGEMENT SYSTEM CONTRACT IS A PERFORMANCE-BASED CONTRACT. THE CONTRACTOR WILL DEVELOP A COMPLETE SET OF CODE-COMPLIANT AND FULLY COORDINATED CONSTRUCTION DOCUMENTS TO THE SATISFACTION OF THE STATE GOVERNING BODIES. THE FIRE ALARM SYSTEM MANUFACTURER SHALL PROVIDE ALL REQUIRED PERMITS AND 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
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SAN FRANCISCO, CA 94111

Consultants:

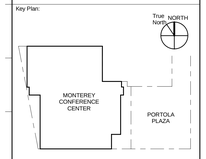
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Key Plan:



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

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NUMBERED NOTES:

6. 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.

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.

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.

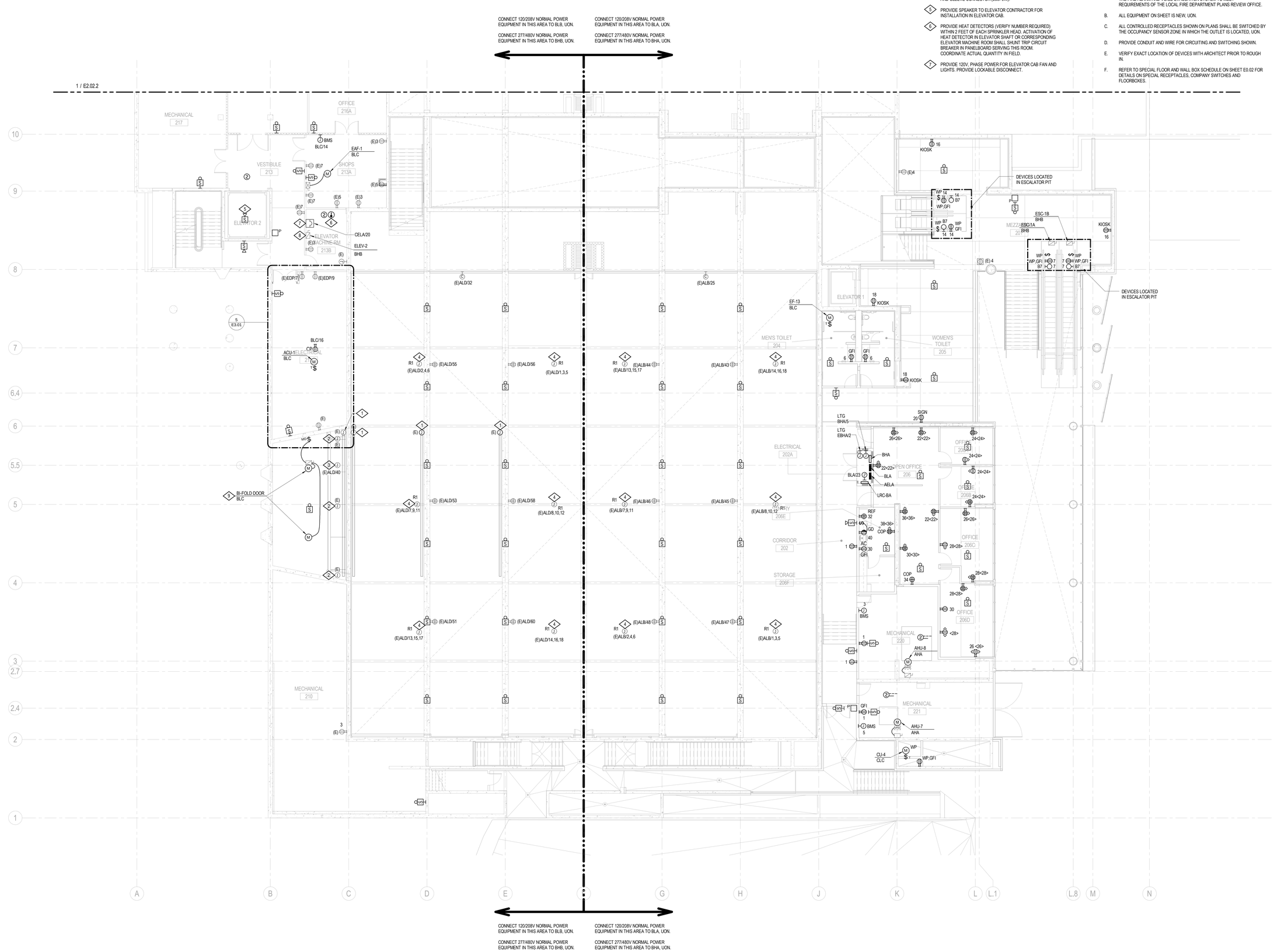
B. ALL EQUIPMENT ON SHEET IS NEW, UON.

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.



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

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2015/11/30 9:39 AM

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CITY OF MONTEREY
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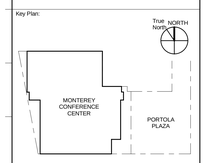
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	90% PROJECT COMPLETION	28 JULY 2015

Key Plan:



Seal & Signature:

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

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"	

NUMBERED NOTES:

1 DE ANZA BALLROOM TO REMAIN IN OPERATION THROUGHOUT RENOVATION. AREA SERVED BY PANELS AHD AND ALE.

SHEET NOTES:

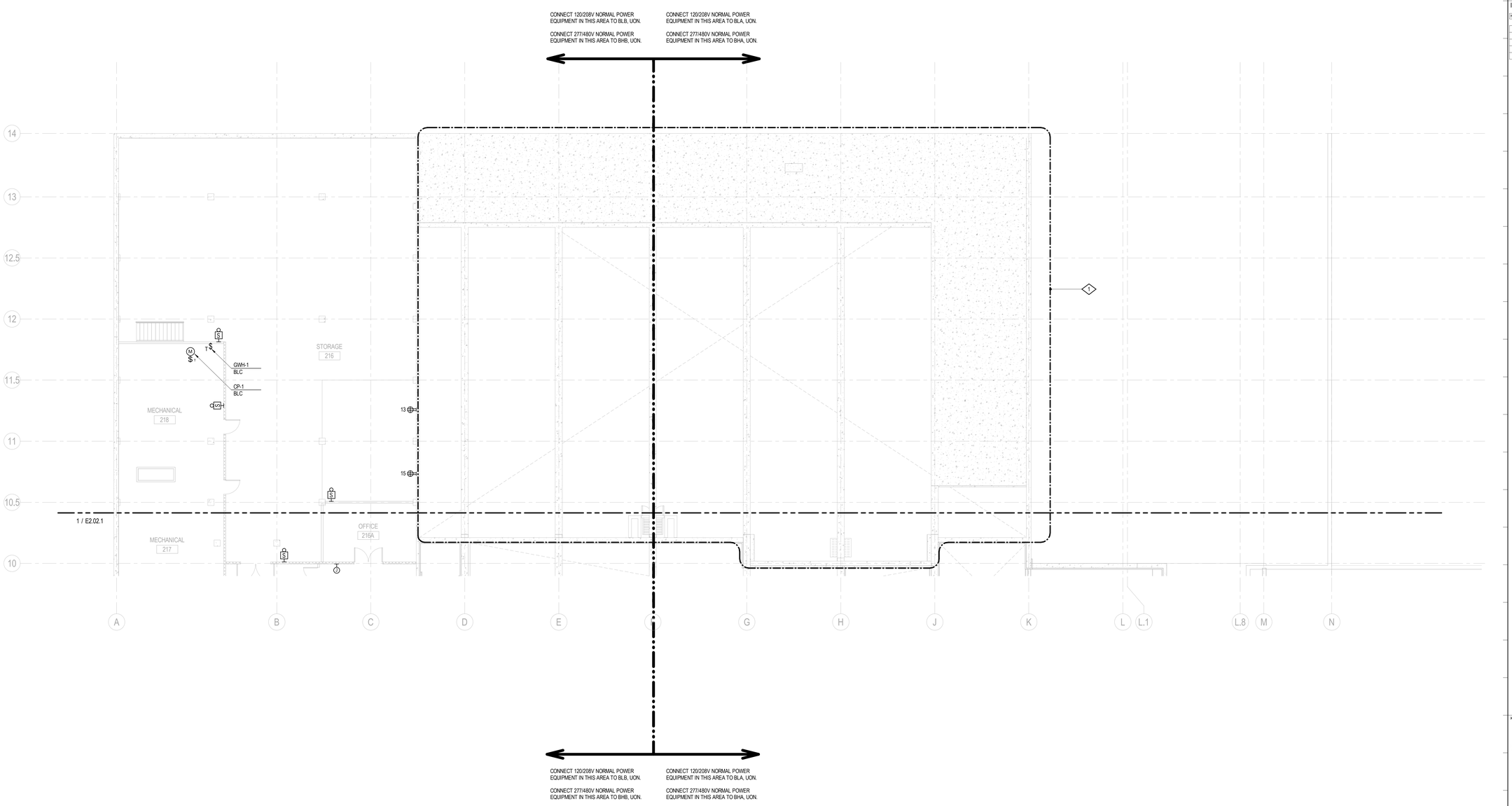
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	BID SET	26 AUG 2015

Key Plan:



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

Sheet Name:

ELECTRICAL - POWER PLAN - MEZZANINE LEVEL - NORTH

Project No.: Project Number	Sheet No.: E2.02.2
Drawn By: Author	
Checked By: Checker	
Scale: 1/8" = 1'-0"	

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Agreement #: Ag-5097 - Page 323 of 329

2/20/2015 1:38:44 AM

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.

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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"

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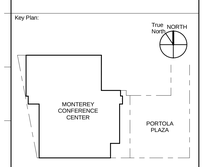
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AMEDEE J. BROWNE
No. E17287
ELECTRICAL
STATE OF CALIFORNIA

Sheet Name:

ELECTRICAL - POWER PLAN - LEVEL 2 - SOUTH

Project No.:	Sheet No.:
Project Number	E2.03.1
Drawn By: Author	
Checked By: Checker	
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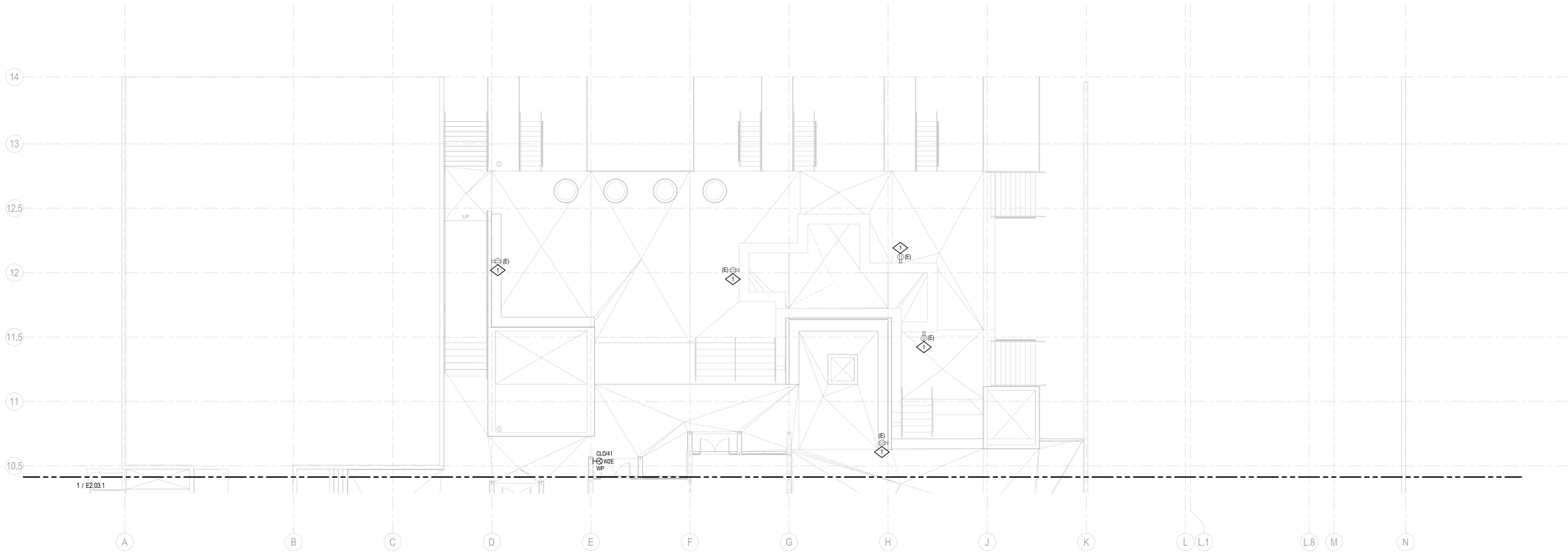
1 RECEPTACLE LOCATED WITHIN CONCRETE BENCH.

SHEET NOTES:

A. PROVIDE CONDUIT AND WIRING FOR CIRCUITING AND SWITCHING SHOWN.

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

C. 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 - NORTH
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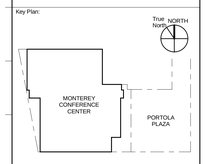
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AMANDA J. BROWNLEE
No. E17287
ELECTRICAL
STATE OF CALIFORNIA

Sheet Name:

ELECTRICAL - POWER PLAN - LEVEL 2 - NORTH

Project No.:	Sheet No.:
Project Number	E2.03.2
Drawn By: Author	
Checked By: Checker	
Scale: 1/8" = 1'-0"	

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SHEET NOTES:

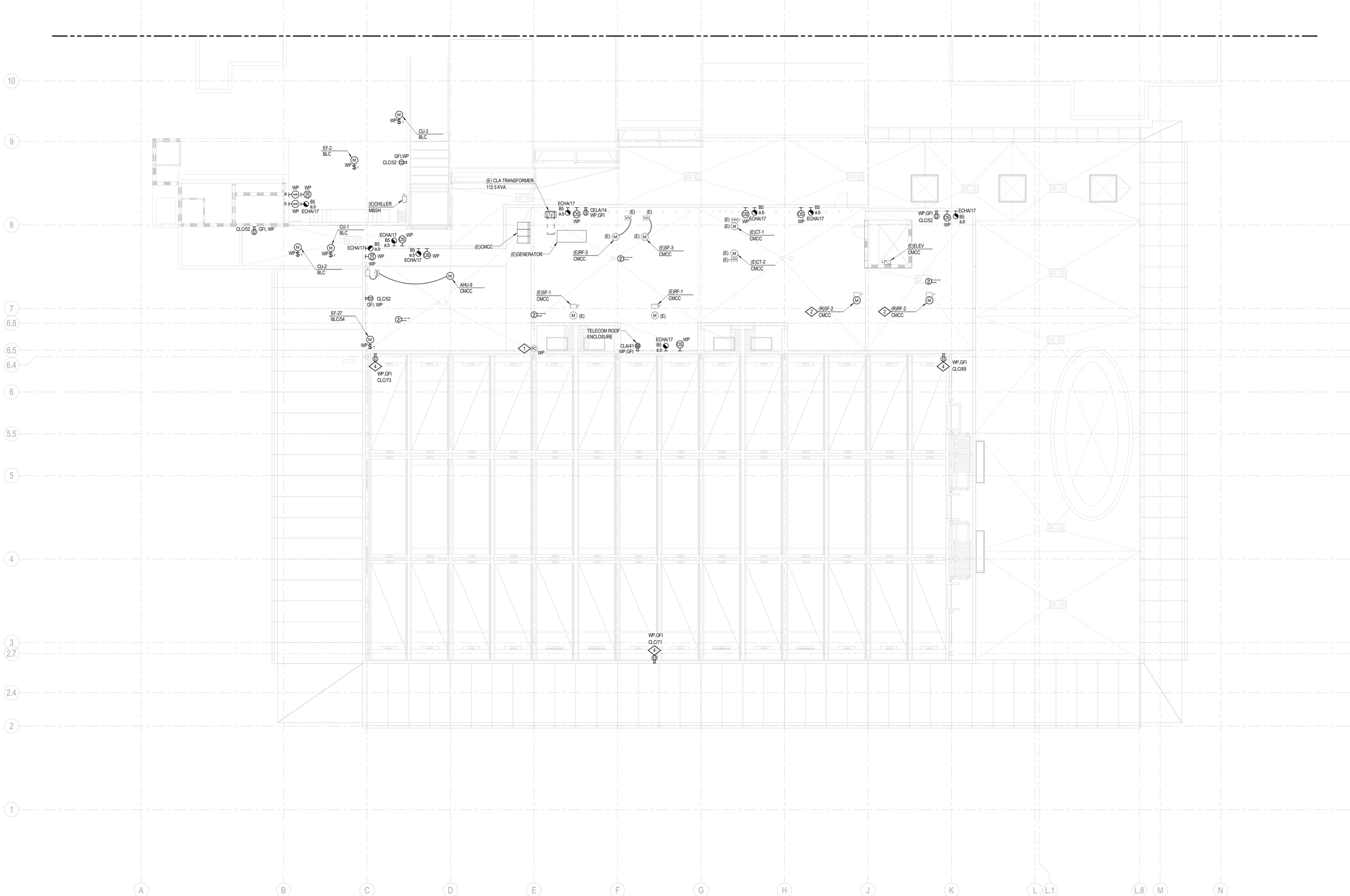
A. ALL EQUIPMENT ON THIS SHEET IS NEW, UON.

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.



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

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CAO RISK

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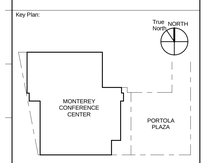
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Seal & Signature:

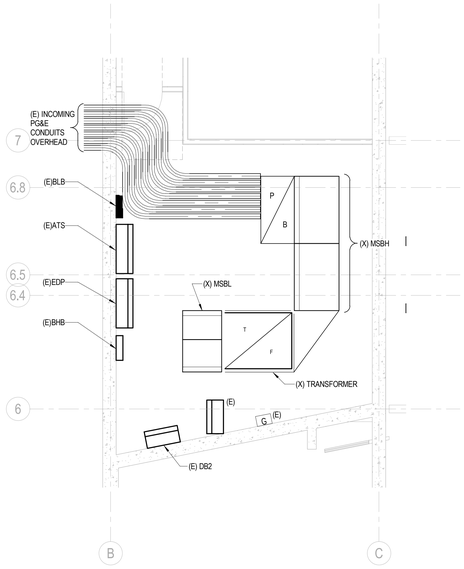
REGISTERED PROFESSIONAL ENGINEER
AMROSA J. BROWNLEE
No. E17287
ELECTRICAL
STATE OF CALIFORNIA

Sheet Name:

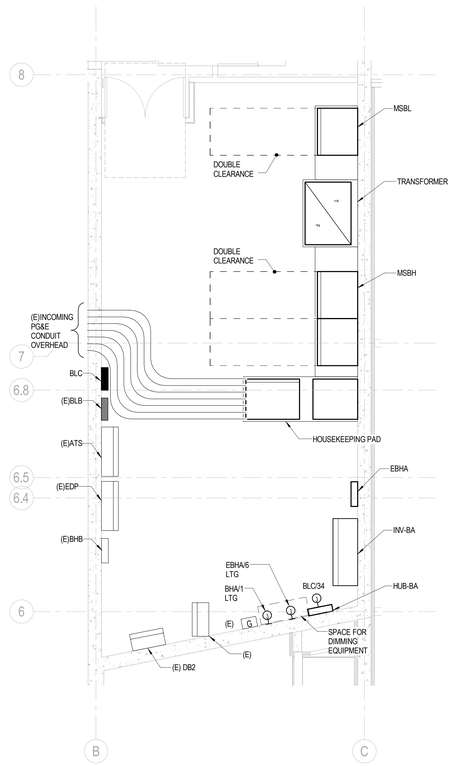
ELECTRICAL - POWER PLAN - ROOF LEVEL - SOUTH

Project No.: Project Number	Sheet No.: E2.04.1
Drawn By: Author	
Checked By: Checker	
Scale: 1/8" = 1'-0"	

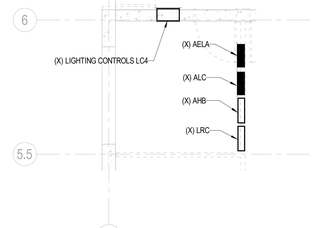
2/5/2015 1:19:06 AM



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:

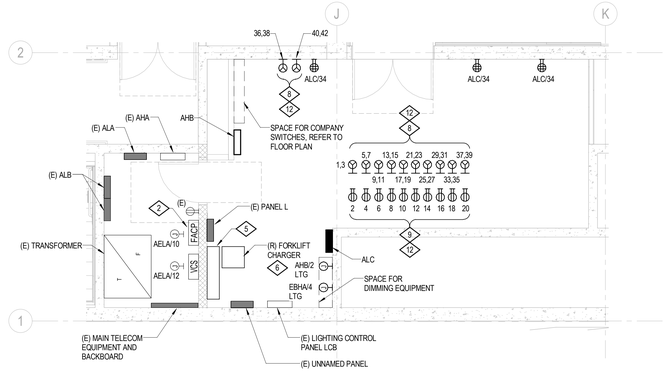
A. ALL EQUIPMENT ON SHEET IS NEW, UON.

B. PROVIDE CONDUIT AND WIRE FOR CIRCUITING SHOWN.

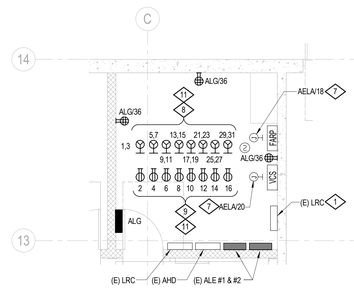
C. VERIFY EXACT LOCATION OF DEVICES WITH ARCHITECT PRIOR TO ROUGH IN.

NUMBERED NOTES:

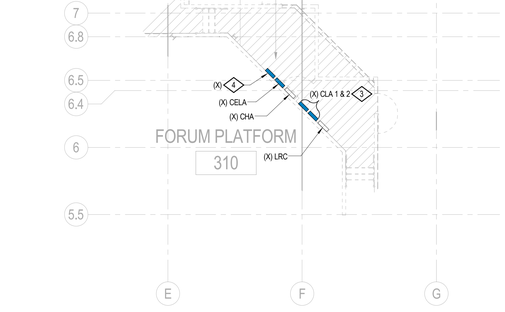
1. ALL EXISTING EQUIPMENT IN THIS SPACE SERVES DE ANZA BALLROOM AND SHALL REMAIN IN SERVICE THROUGHOUT THE RENOVATION.
2. EXISTING FIRE ALARM SYSTEM TO BE REPLACED WITH NEW EQUIPMENT TO BE INSTALLED IN PARALLEL TO EXISTING TRANSFERRING EXISTING DEVICES TO REMAIN TO NEW SYSTEM SUBSEQUENT TO FUNCTIONAL 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.



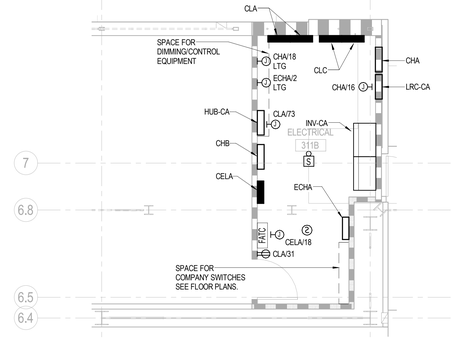
2 ENLARGED PLAN - LEVEL 1 ELECTRICAL 107G/IDF 107H
1/4" = 1'-0"



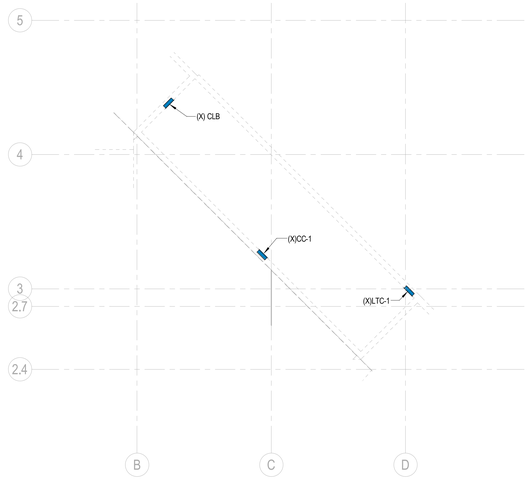
3 ENLARGED PLAN - ELEC/IDF 112B
1/4" = 1'-0"



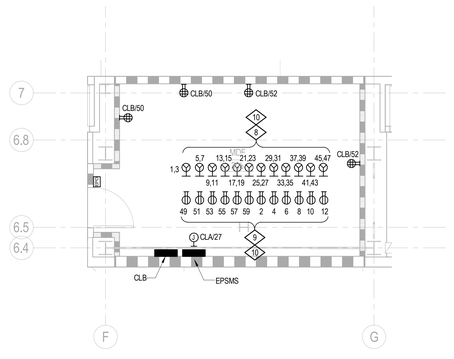
9 ENLARGED PLAN - EXISTING PLATFORM LEVEL ELECTRICAL
ROOM DEMO PLAN
1/8" = 1'-0"



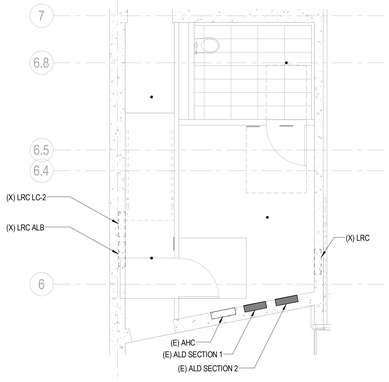
6 ENLARGED PLAN - ELECTRICAL ROOM 311B
1/4" = 1'-0"



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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ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL

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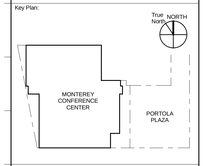
Architect:
SOM
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

Consultants:
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	60% PROJECT COMPLETION	15 MAY 2015
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	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015

Key Plan:



Seal & Signature:



Sheet Name:

ELECTRICAL ENLARGED PLANS

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

Sheet No.: E3.01

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CAO RISK

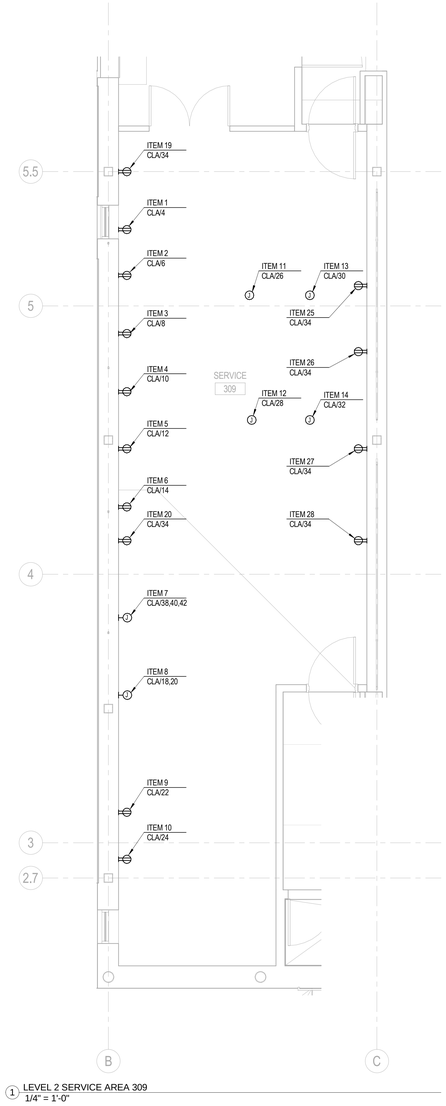
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SHEET NOTES:

A. ALL EQUIPMENT ON SHEET IS NEW, UON.

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

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



1 LEVEL 2 SERVICE AREA 309
1/4" = 1'-0"

KITCHEN EQUIPMENT CONNECTION SCHEDULE

ITEM NUMBER	DESIGNATION	VOLTAGE	FLA	VA	CONNECTION TYPE	BR. CKT. WIRING	PANEL CONNECTION
1	HOT BANQUET CABINET	120/1	16.7		RECEPTACLE	1/2"C-2#12 +1#12GND	SEE PLAN
2	HOT BANQUET CABINET	120/1	16.7		RECEPTACLE	1/2"C-2#12 +1#12GND	SEE PLAN
3	CONVENIENCE	120/1		180	RECEPTACLE	1/2"C-2#12 +1#12GND	SEE PLAN
4	CONVENIENCE	120/1		180	RECEPTACLE	1/2"C-2#12 +1#12GND	SEE PLAN
5	HOT BANQUET CABINET	120/1	16.7		RECEPTACLE	1/2"C-2#12 +1#12GND	SEE PLAN
6	HOT BANQUET CABINET	120/1	16.7		RECEPTACLE	1/2"C-2#12 +1#12GND	SEE PLAN
7	COFFEE BREWER	120/208/3	29.6		HARD WIRE	40NG	SEE PLAN
8	ICE MACHINE, S/C	208/1	23.8		HARD WIRE	1/2"C-2#10 +1#10GND	SEE PLAN
9	CONVENIENCE	120/1		180	RECEPTACLE	1/2"C-2#12 +1#12GND	SEE PLAN
10	REACH-IN COOLER, S/C	120/1	5.8		RECEPTACLE	1/2"C-2#12 +1#12GND	SEE PLAN
11	HEAT LAMPS, COILED POWER DROP	120/1	10.0		HARD WIRE	1/2"C-2#12 +1#12GND	SEE PLAN
12	HEAT LAMPS, COILED POWER DROP	120/1	10.0		HARD WIRE	1/2"C-2#12 +1#12GND	SEE PLAN
13	HEAT LAMPS, COILED POWER DROP	120/1	10.0		HARD WIRE	1/2"C-2#12 +1#12GND	SEE PLAN
14	HEAT LAMPS, COILED POWER DROP	120/1	10.0		HARD WIRE	1/2"C-2#12 +1#12GND	SEE PLAN
19	CONVENIENCE	120/1		180	RECEPTACLE	1/2"C-2#12 +1#12GND	SEE PLAN
20	CONVENIENCE	120/1		180	RECEPTACLE	1/2"C-2#12 +1#12GND	SEE PLAN
25	CONVENIENCE	120/1		180	RECEPTACLE	1/2"C-2#12 +1#12GND	SEE PLAN
26	CONVENIENCE	120/1		180	RECEPTACLE	1/2"C-2#12 +1#12GND	SEE PLAN
27	CONVENIENCE	120/1		180	RECEPTACLE	1/2"C-2#12 +1#12GND	SEE PLAN
28	CONVENIENCE	120/1		180	RECEPTACLE	1/2"C-2#12 +1#12GND	SEE PLAN

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ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL

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Architect:

SOM

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SAN FRANCISCO, CA 94111

Consultants:

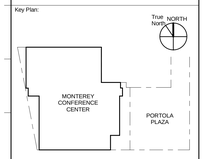
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	BID SET	26 AUG 2015

Key Plan:



Seal & Signature:

REGISTERED PROFESSIONAL ENGINEER
AMEDEE J. BRUNEAU
No. E17287
ELECTRICAL
STATE OF CALIFORNIA

Sheet Name:

ELECTRICAL ENLARGED PLANS

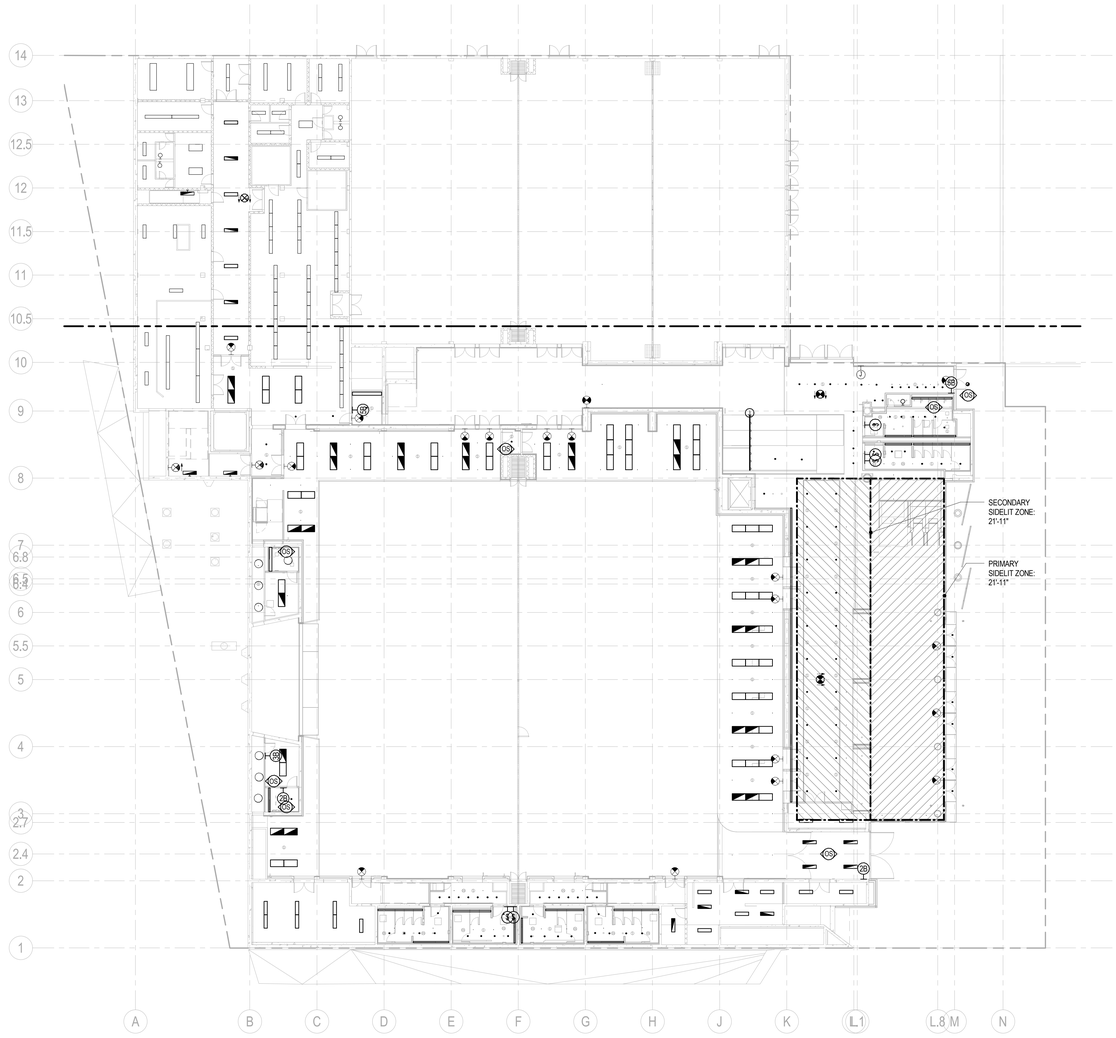
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Project Number	E3.02
Drawn By: Author	
Checked By: Checker	
Scale: As indicated	

Approved as to Form
CAO Initial

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SHEET NOTES:

A. FIXTURES SHOWN ON THIS SHEET FOR REFERENCE ONLY. REFER TO ENLARGED PLANS FOR FIXTURE TYPES, CONTROLS AND CIRCUITING.



1 LEVEL 1 - ELECTRICAL LIGHTING PLAN
1/16" = 1'-0"

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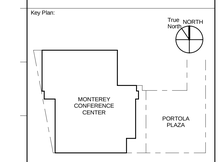
Architect:
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SAN FRANCISCO, CA 94111

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Key Plan:



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

Sheet Name:

ELECTRICAL - LIGHTING PLAN - LEVEL 01

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

Sheet No.: E4.01

Approved as to Form: CAO RISK

8/20/2015 11:39:32 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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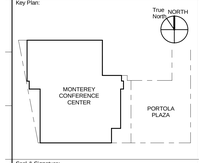
Architect:
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	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015

Key Plan:



Seal & Signature:

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AMANDA J. BISHOPRICK
No. E17287
ELECTRICAL
STATE OF CALIFORNIA

Sheet Name:

ELECTRICAL - LIGHTING PLAN - LEVEL 01 - SOUTH

Project No.:	Sheet No.:
Project Number	E4.01.1
Drawn By: Author	
Checked By: Checker	
Scale: 1/8" = 1'-0"	

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CAO RDN

SHEET NOTES:

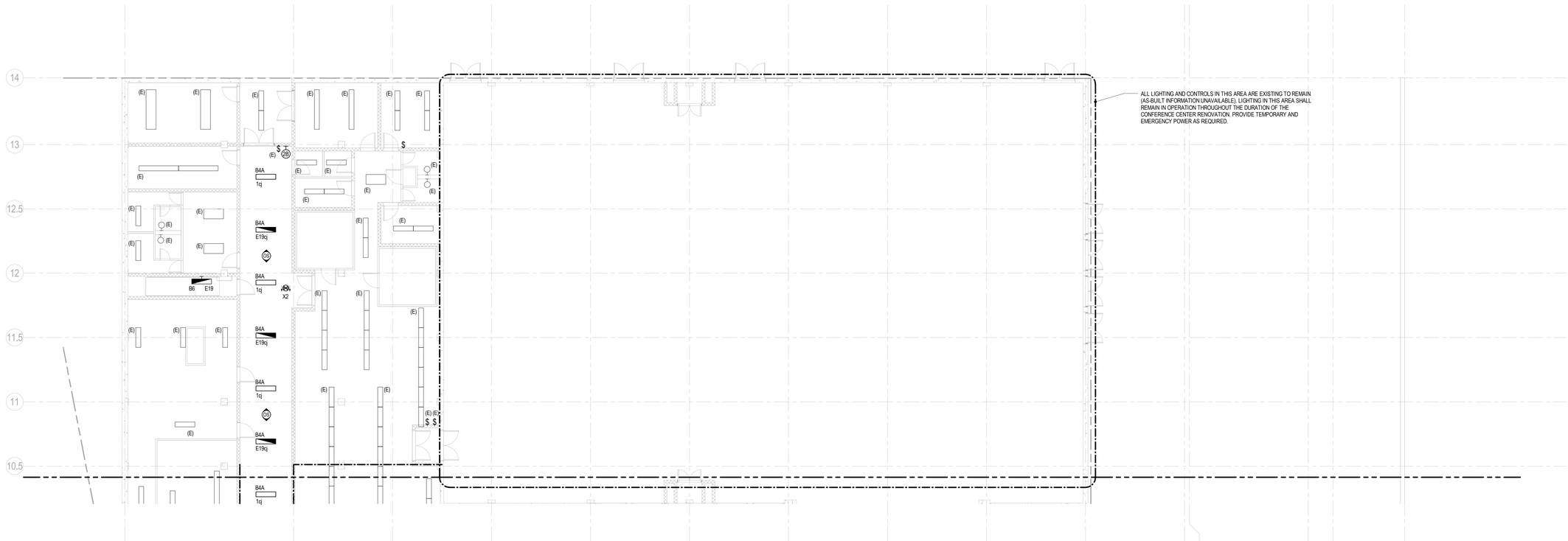
A. ALL EQUIPMENT AND DEVICES ARE NEW, UON.

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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CITY HALL

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Architect:

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Consultants:

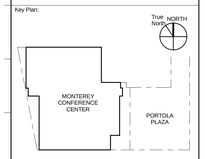
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AMEDA J. BROWNE
No. E17287
ELECTRICAL
STATE OF CALIFORNIA

Sheet Name:

ELECTRICAL - LIGHTING PLAN - LEVEL 01 - NORTH

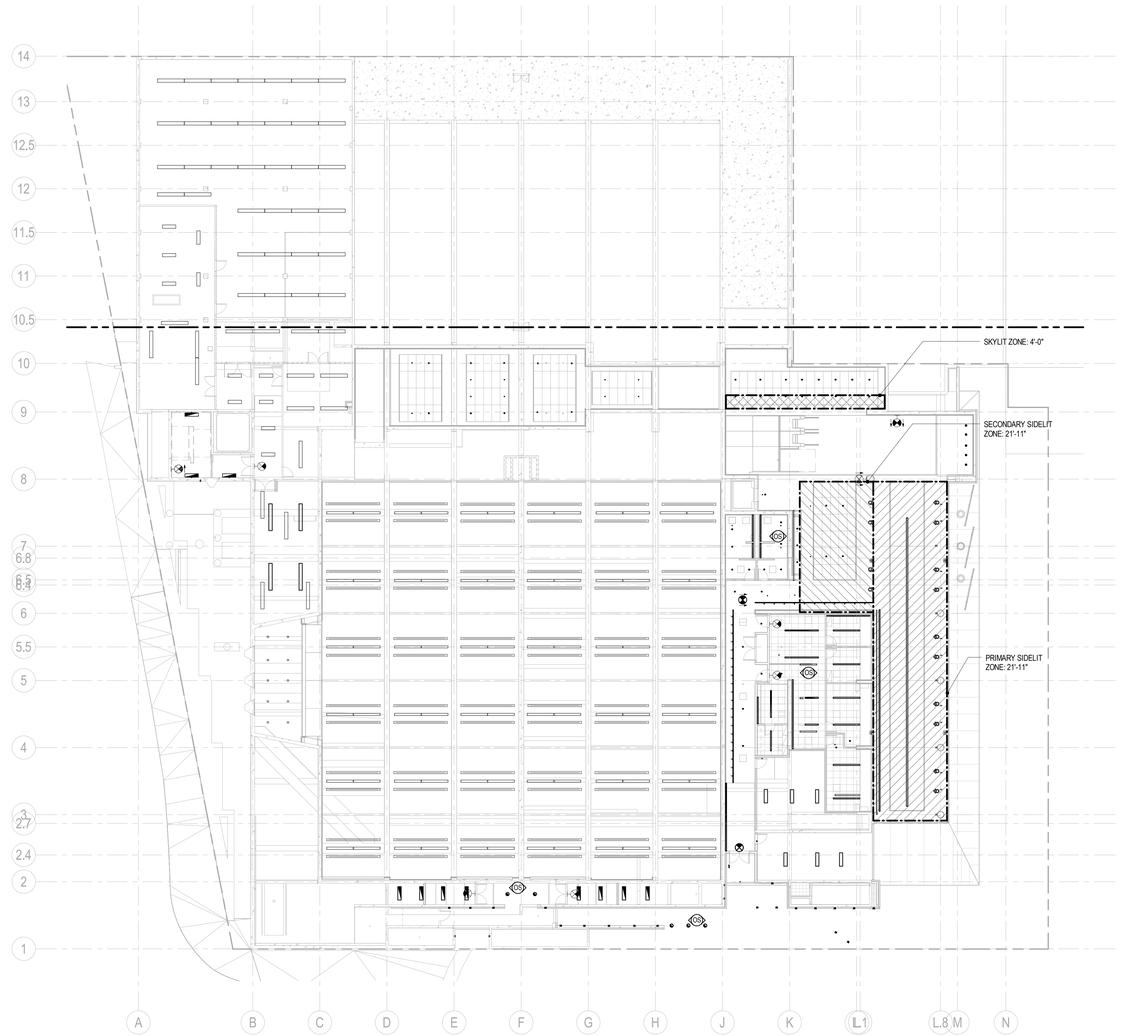
Project No.:	Sheet No.:
Project Number	E4.01.2
Drawn By: Author	
Checked By: Checker	
Scale: 1/8" = 1'-0"	

Approved as to Form
CAO Initial

2/2/2015 11:39:44 AM

SHEET NOTES:

A. FIXTURES SHOWN ON THIS SHEET FOR REFERENCE ONLY. REFER TO ENLARGED PLANS FOR FIXTURE TYPES, CONTROLS, AND CIRCUITING.



1 MEZZANINE LEVEL - ELECTRICAL LIGHTING PLAN
1/16" = 1'-0"

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CITY HALL

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Architect:

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Consultants:

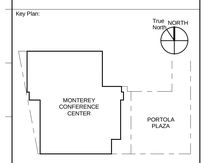
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Key Plan:



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No. E17287
ELECTRICAL
STATE OF CALIFORNIA

Sheet Name:

ELECTRICAL - LIGHTING PLAN - MEZZANINE LEVEL

Project No.:	Sheet No.:
Project Number	E4.02
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Checked By: Checker	
Scale: 1/16" = 1'-0"	

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7/2015 11:39:50 AM

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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TEL: (831) 646-5601

Architect:

SOM
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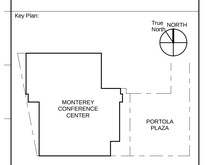
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ELECTRICAL - LIGHTING PLAN - MEZZANINE LEVEL - SOUTH

Project No.: Project Number	Sheet No.: E4.02.1
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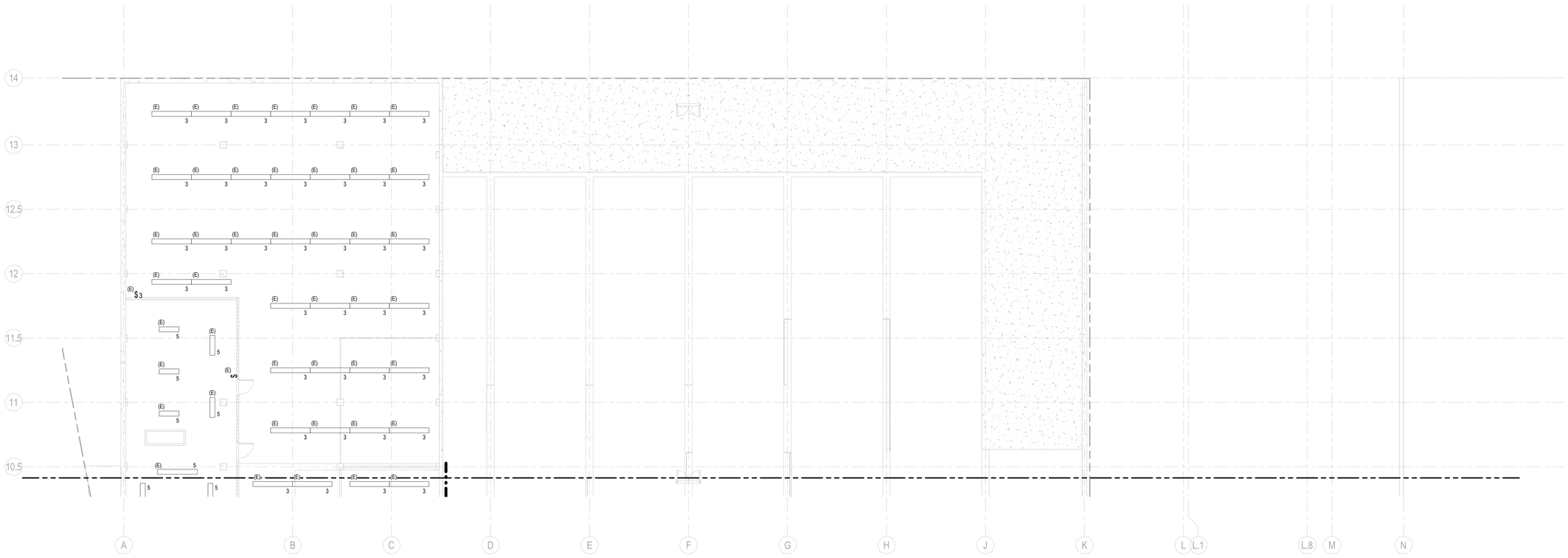
SHEET NOTES:

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.



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

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TEL: (831) 646-5601

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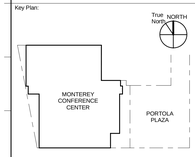
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REGISTERED PROFESSIONAL ENGINEER
AMEDA J. BROWNE
No. E17287
ELECTRICAL
STATE OF CALIFORNIA

Sheet Name:

ELECTRICAL - LIGHTING PLAN - MEZZANINE LEVEL - NORTH

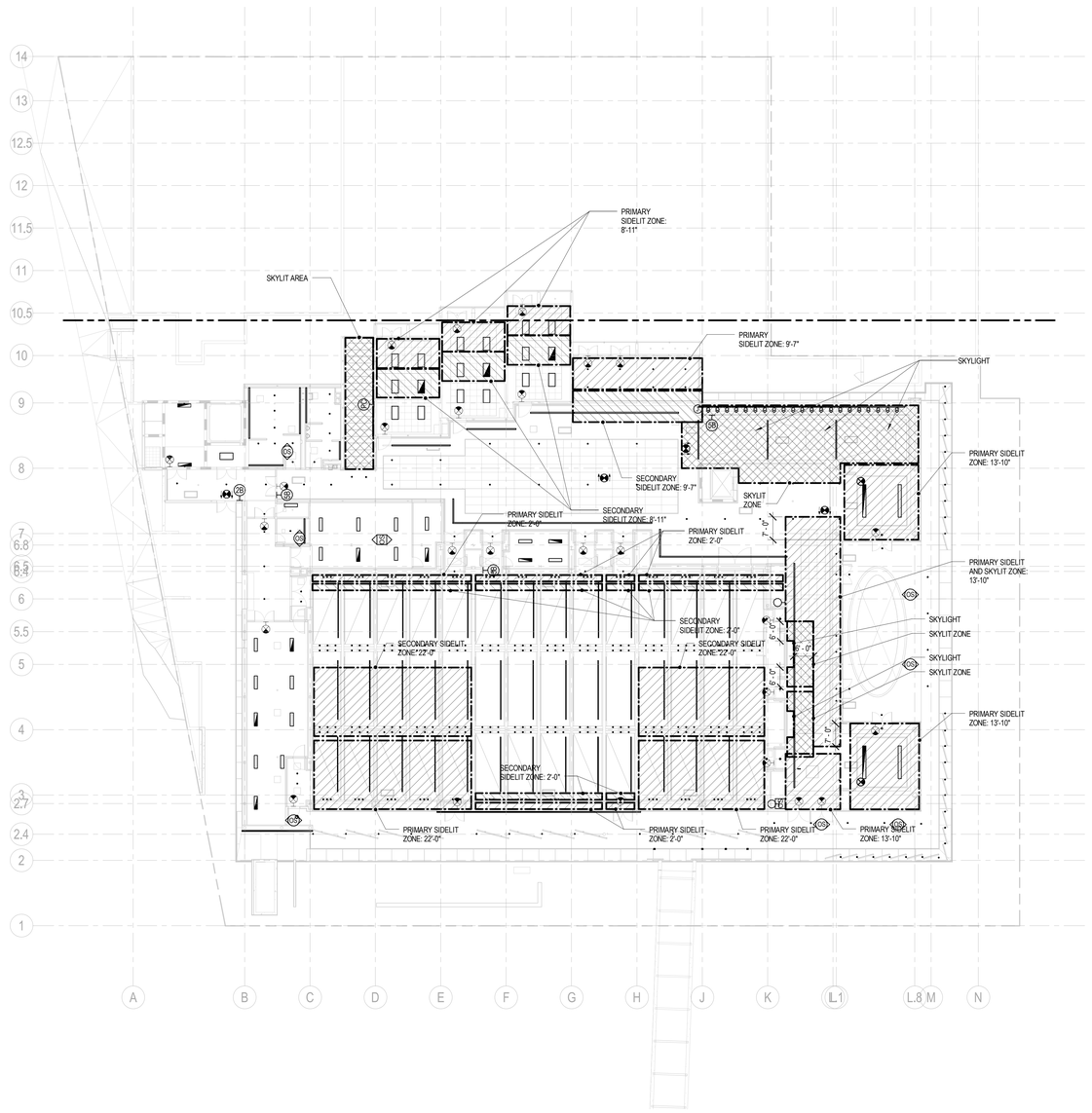
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Project Number	E4.02.2
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SHEET NOTES:

A. FIXTURES SHOWN ON THIS SHEET FOR REFERENCE ONLY. REFER TO ENLARGED PLANS FOR FIXTURE TYPES, CONTROLS, AND CIRCUITING.



1 LEVEL 2 - LIGHTING RCP
1/16" = 1'-0"

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TEL: (831) 646-5601

Architect:

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ONE FRONT STREET,
SAN FRANCISCO, CA 94111

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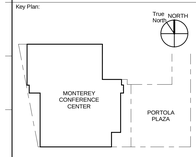
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AMANDA J. BROWNE
No. E17287
ELECTRICAL
STATE OF CALIFORNIA

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ELECTRICAL - LIGHTING PLAN - LEVEL 2

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

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NUMBERED NOTES:

1. INFRARED PARTITION SENSOR FOR LIGHTING CONTROL SYSTEM.
2. PROVIDE UL 924 RELAY.
3. MOUNT PHOTOCELL ON BOTTOM OF BEAM SERVICE EXTRUSION SHOWN OFFSET FOR CLARITY. TYP THIS ROOM.
4. SWITCH ACTS AS 2-HOUR OVERRIDE FOR PREFUNCTION AREAS.
5. PROVIDE 3A CURRENT LIMITER.

SHEET NOTES:

A. ALL EQUIPMENT AND DEVICES ARE NEW, UON.

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

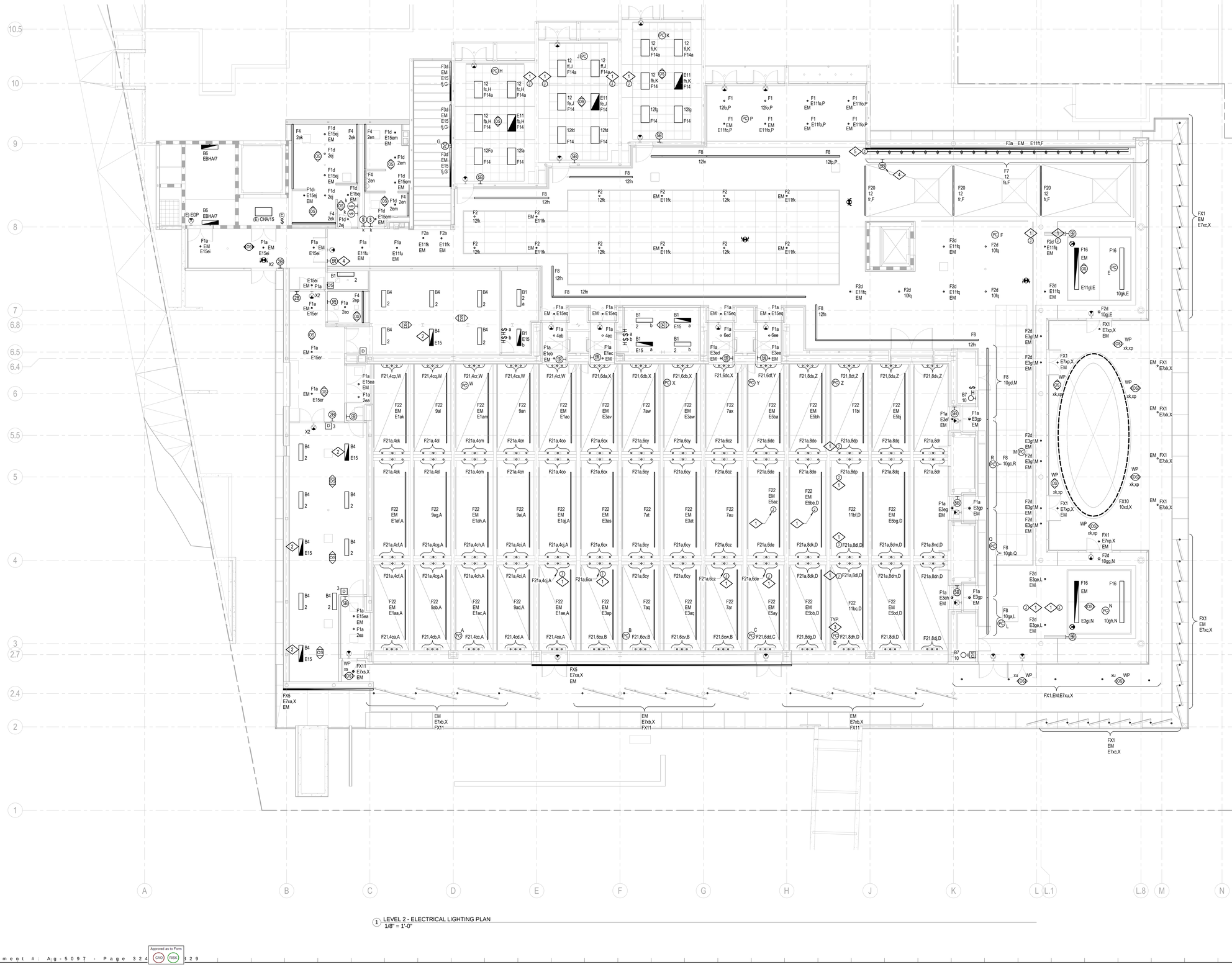
C. VERIFY EXACT LOCATIONS FOR DEVICES WITH ARCHITECT PRIOR TO ROUGHIN.

D. CONNECT ALL NORMAL POWER 277V LIGHTING TO PANEL CHA, UON.

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

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

G. REFER TO SHEET E4.03 FOR DAYLIT ZONES.



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

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Architect:

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

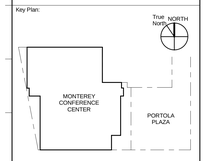
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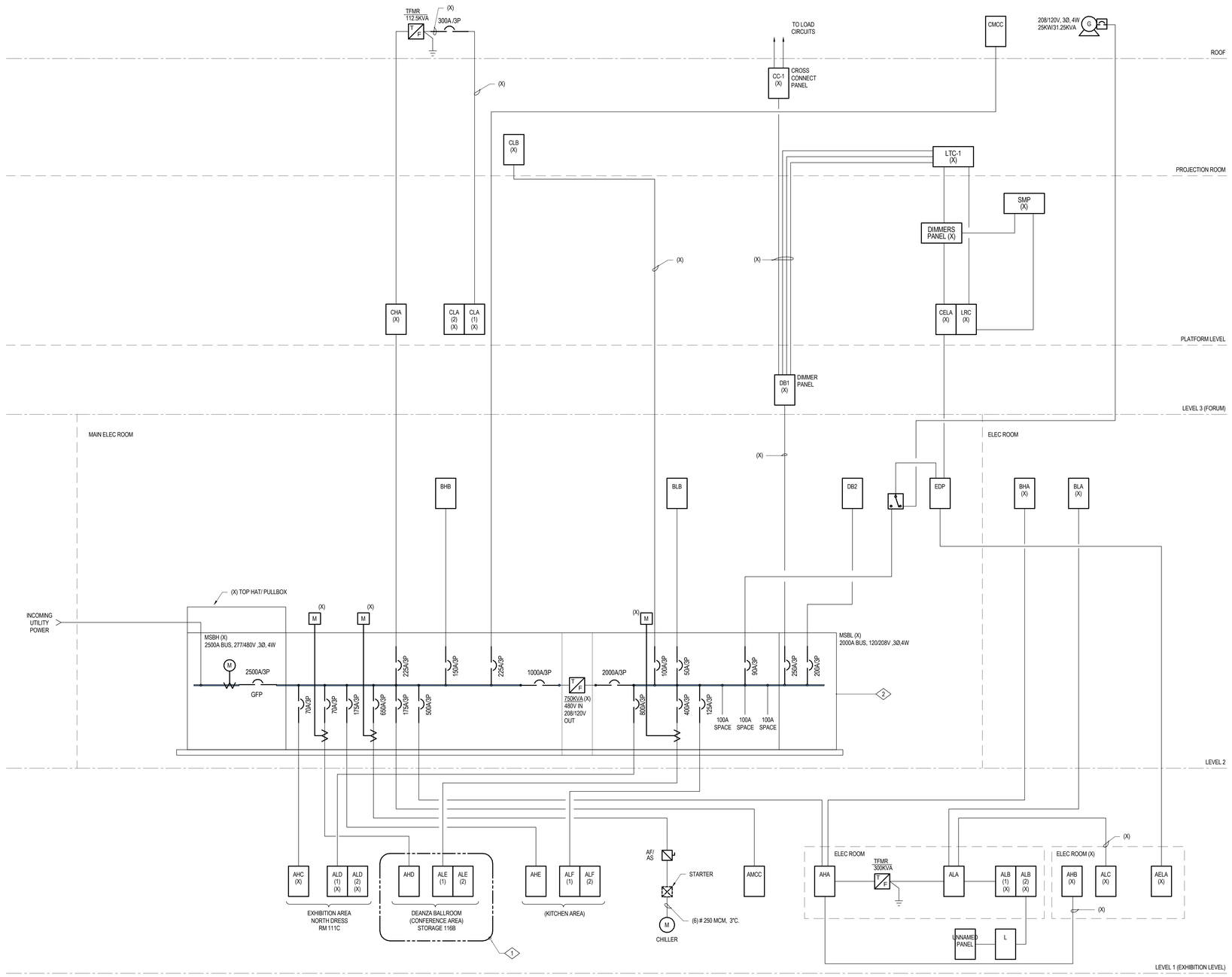
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AMANDA J. BROWNE
No. E17267
ELECTRICAL
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Sheet Name:

ELECTRICAL - LIGHTING PLAN - LEVEL 2 - SOUTH

Project No.:	Sheet No.:
Project Number	E4.03.1
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SHEET NOTES

A. ALL EQUIPMENT IS EXISTING AND IS SHOWN FOR REFERENCE ONLY. REFER TO SHEET E5.02 FOR SCOPE OF NEW WORK.

NUMBERED NOTES

1. EQUIPMENT SERVES DE ANZA BALLROOM AND SHALL REMAIN IN SERVICE THROUGHOUT THE RENOVATION.
2. REPLACE (E) SWITCHBOARDS AND TRANSFORMER. SEE SHEET E5.02 FOR NEW REQUIREMENTS.

1 ELECTRICAL RISER - E501
1/2" = 1'-0"

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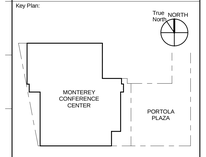
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AMANDA J. BROWNLEE
No. E17287
ELECTRICAL
STATE OF CALIFORNIA

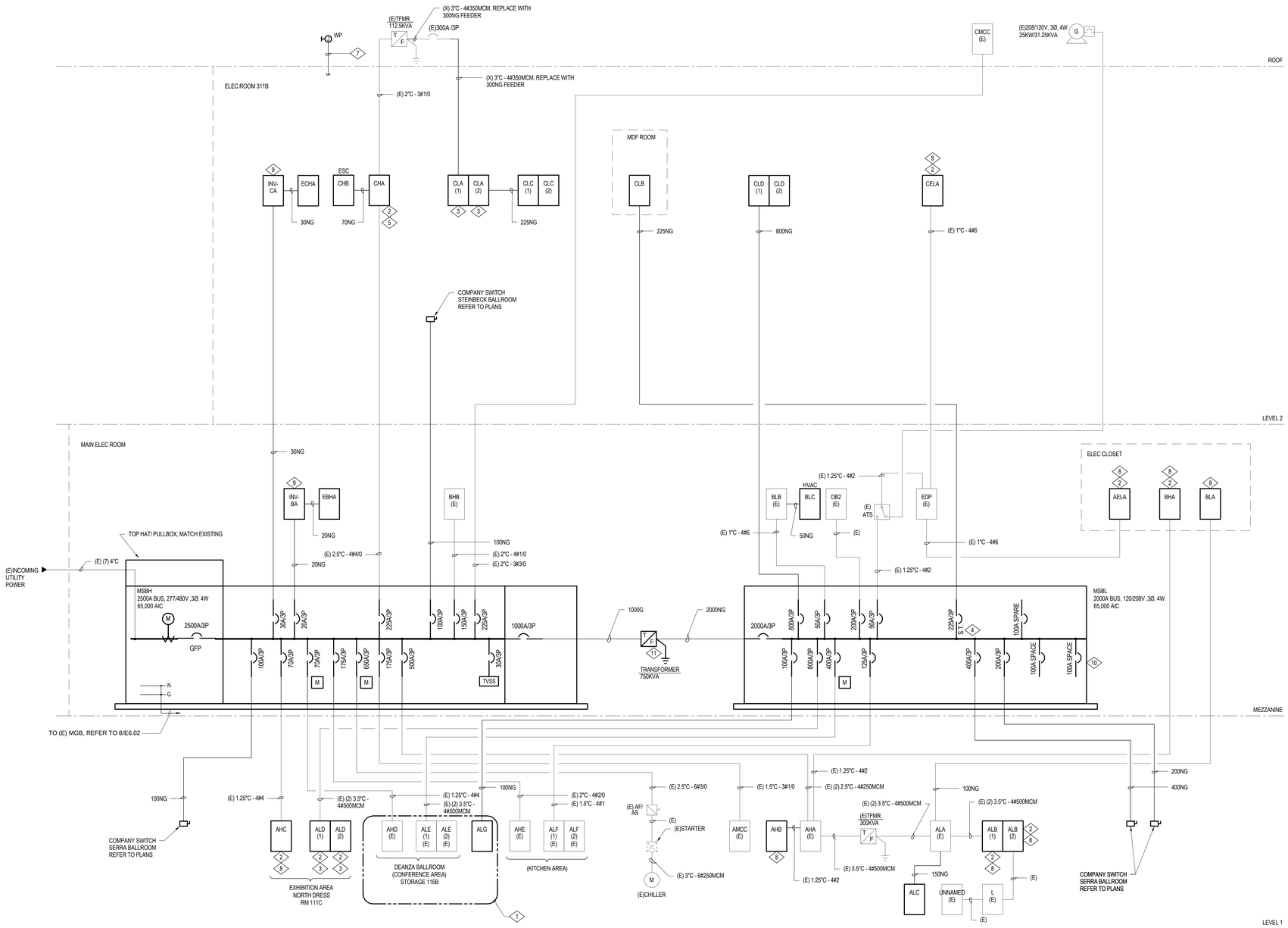
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ELECTRICAL
RISER DIAGRAM
EXISTING

Project No.:	Sheet No.:
Project Number	E5.01
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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. NOT USED
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.
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 C3II 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.

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

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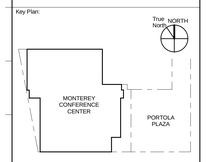
Architect:
SOM
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

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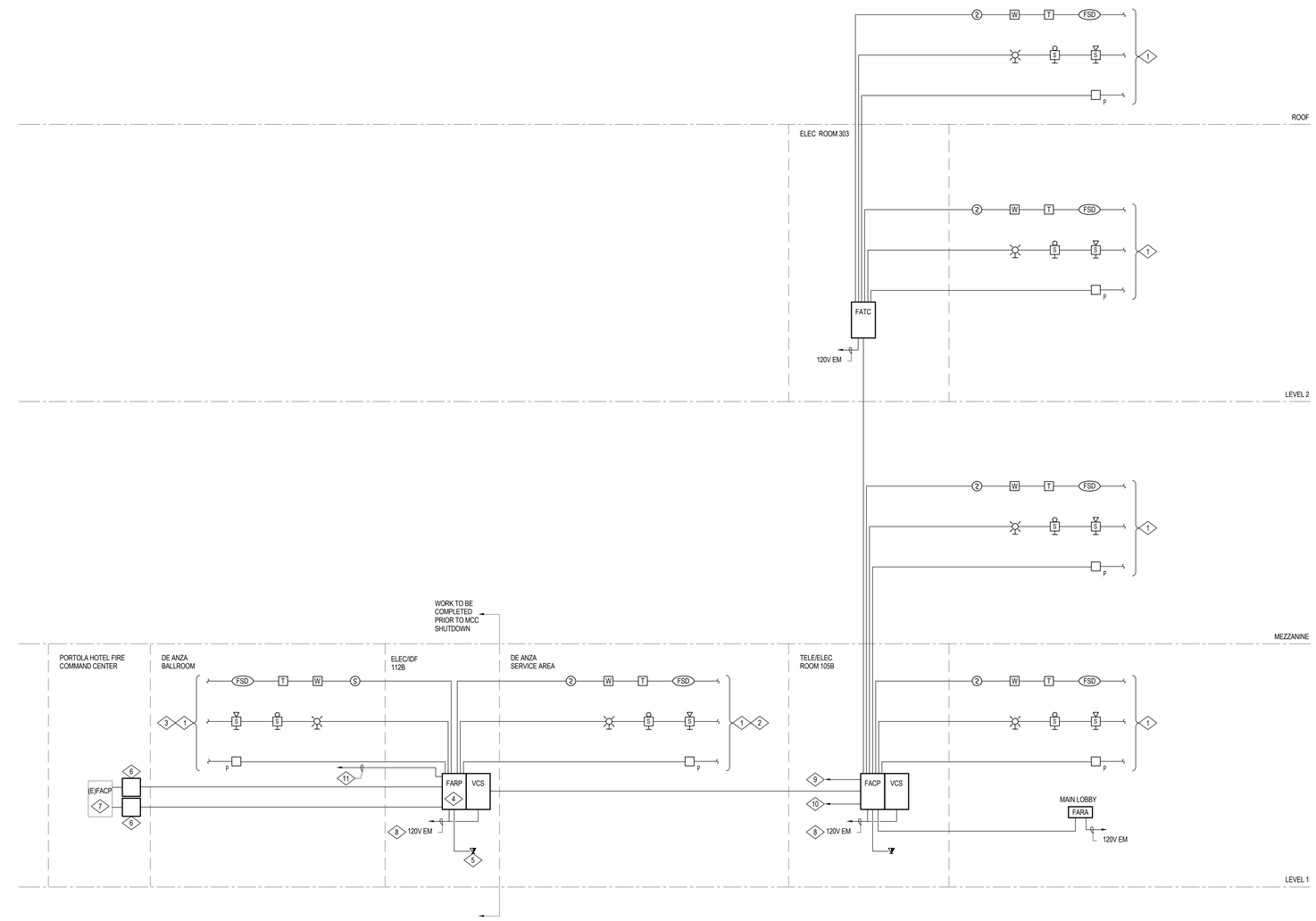
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RISER DIAGRAM

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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.

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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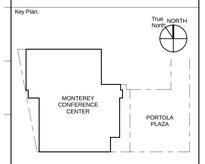
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TEL: (831) 646-5601

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ONE FRONT STREET,
SAN FRANCISCO, CA 94111

Consultants:
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(415) 398-3833
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REGISTERED PROFESSIONAL ENGINEER
HAMZA J. BRINNEKE
No. E17287
ELECTRICAL
STATE OF CALIFORNIA

Sheet Name:
ELECTRICAL FIRE ALARM RISER DIAGRAM

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Project Number	E5.03
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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 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.

(2S) — 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.

(3S) — 2-BUTTON ZONE SELECTION SWITCH WITH RAISE/LOWER FUNCTION. LUTRON QS SEE TOUCH QSWS2-3SBRLN-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.

(4S) — 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.

120V EM (PS) / FA / 120V NORMAL — EM — 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 (S) — KEYED SWITCH. LUTRON QSWS2-KSN3MOC-WH

(S) — LOW-VOLTAGE TOGGLE SWITCH. LUTRON

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

LEVEL 1 ZONES

LEVEL 1 SERRA WEST ZONES

ZONE	FIXT TYPE	DIM TYPE	ZONE DESCRIPTION
aa	F10	0-10	SERRA BALLROOM 108
aa-EM	F10	0-10	SERRA BALLROOM 108
ft	F10	0-10	SERRA BALLROOM 108
ag-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	EXHIBITION HALL EAST 107
ap	F10	0-10	SERRA BALLROOM 108
ap-EM	F9	0-10	SERRA BALLROOM 108
aq	F9	0-10	SERRA BALLROOM 108
aq-EM	F9	0-10	SERRA BALLROOM 108
ar	F9	0-10	SERRA BALLROOM 108
ar-EM	F9	0-10	SERRA BALLROOM 108
as	F9	0-10	SERRA BALLROOM 108
as-EM	F9	0-10	SERRA BALLROOM 108
at	F9	0-10	CONF RM LOBBY 102
at-EM	F9	0-10	CONF RM LOBBY 102
au	F9a	0-10	WEST VESTIBULE 113
au-EM	F9a	0-10	WEST VESTIBULE 113
av	F1a	0-10	WEST VESTIBULE 113
cs	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	F4	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 108B
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	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
ai	F9	0-10	EXHIBITION HALL EAST 107
ai-EM	F9	0-10	EXHIBITION HALL EAST 107
aj	F9	0-10	EXHIBITION HALL EAST 107
aj-EM	F9	0-10	EXHIBITION HALL EAST 107
ak	F9	0-10	EXHIBITION HALL EAST 107
ak-EM	F9a	0-10	EXHIBITION HALL EAST 107
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	F10	0-10	EXHIBITION HALL EAST 107
ci-EM	F1b	0-10	EAST HALL 107A
ci	F1b	0-10	WEST HALL 108A
ci-EM	F1b	0-10	WEST HALL 108A
am-EM	F10	0-10	RESTROOM 107D
ao	F4	0-10	RESTROOM 107D
ap-EM	F10	0-10	RESTROOM 107B
aq	F4	0-10	RESTROOM 107B
ar-EM	F10	0-10	RESTROOM 108B
as	F4	0-10	RESTROOM 108B
at-EM	F10	0-10	RESTROOM 108B
au	F4	0-10	RESTROOM 108B
cw	A	0-10	SPARE
cx	A	0-10	SPARE
cy	A	0-10	SPARE
cz	A	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	F4	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
ee-EM	FX11	0-10	LEVEL 1 - EAST EXT
ej-EM	FX2	0-10	LEVEL 1 - MAIN ENTRY
vJ	TBD	TBD	MCC SIGN - SOUTH EAST
vn			SPARE
vo			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
ei			SPARE
ej			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-EM	F14	0-10	MEETING ROOM 308
fb	F14	0-10	MEETING ROOM 307
fd	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	F28	0-10	PREFUNCTION NORTH 302
fr	F20	0-10	PREFUNCTION NORTH 302
fs	F7	ELV	PREFUNCTION NORTH 302
fu-EM	F3a	0-10	PREFUNCTION NORTH 302
fu-EM	F3a	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
gn	F8	0-10	EAST PREFUNCTION 301
go	F8	0-10	EAST PREFUNCTION 301
gc	F8	0-10	EAST PREFUNCTION 301
gd	F8	0-10	EAST PREFUNCTION 301
ge-EM	F26	0-10	EAST PREFUNCTION 301
gf-EM	F26	0-10	EAST PREFUNCTION 301
gg	F26	0-10	PREFUNCTION 300
gh	F16	0-10	PREFUNCTION 300
gi-EM	F16	0-10	PREFUNCTION 300
gl	F26	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
gh			SPARE
gt			SPARE

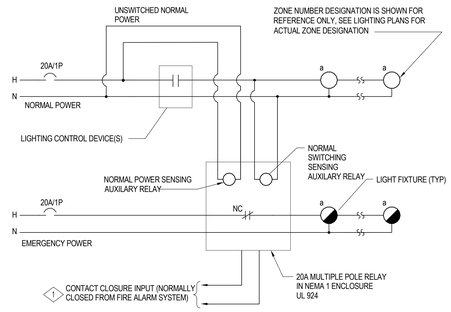
LEVEL 2 EXTERIOR ZONES

ZONE	FIXT TYPE	DIM TYPE	ZONE DESCRIPTION
xe-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 PATIO
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 EXT HARDSCAPE
xx	TBD	TBD	PORTOLA HOTEL SIGN
xy	TBD	TBD	MCC SIGN - SOUTH WEST
xq			SPARE
xv			SPARE

MEZZANINE LEVEL ZONES

MEZZANINE LEVEL INTERIOR ZONES

ZONE	FIXT TYPE	DIM TYPE	ZONE DESCRIPTION
ma	F3a	0-10	MAIN LOBBY 101
mb-EM	F5	0-10	MEZZANINE 201
mc	F11	0-10	MAIN LOBBY 101
md	F2a	0-10	MEZZANINE 201
me-EM	F1	0-10	MEZZANINE 201
mf	F3a	0-10	MEZZANINE 201
mg-EM	F3a	0-10	MEZZANINE 201
mh	F7b	ELV	MEZZANINE 201
mi-EM	F3a	0-10	CORRIDOR 202
mj-EM	F3b	0-10	CORRIDOR 202
mk	F2c	0-10	MEZZANINE 201
ml-EM	F2c	0-10	MEZZANINE 201
mt	F3a	0-10	MEZZANINE 201
mm	F2c	0-10	CONF RM LOBBY 102
mn-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	F2b	0-10	MEZZANINE 201
nn	F23	0-10	OFFICE 206
pp	F7b	ELV	CORRIDOR 202
qc	F3	0-10	OFFICE 206
pt	F6	ELV	STAIR12
pr	F6	ELV	STAIR12
pf	F17	0-10	PANTRY 206E
pg	F1	0-10	OFFICE 206C
ph			SPARE
pi			SPARE
pj



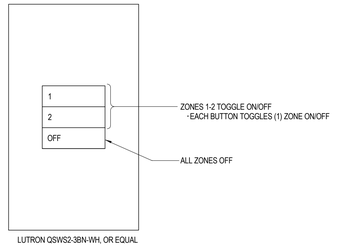
NOTES:

LABEL CONTACT ENCLOSURE TO INDICATE EQUIPMENT/DEVICE CONTAINS BOTH NORMAL AND EMERGENCY POWER.
OPERATION: THE EMERGENCY LIGHTING CONTROL DEVICE RECEIVES A SWITCHING SIGNAL FROM THE NORMAL LIGHTING ZONE AND CONTROLS THE EMERGENCY LIGHTING ZONE ACCORDINGLY. UPON LOSS OF BRANCH CIRCUIT NORMAL POWER, THE EMERGENCY LIGHTING CONTROL DEVICE FORCES THE EMERGENCY LIGHTS ON

NUMBERED NOTES:

1. ONLY TO BE USED IN ASSEMBLY OCCUPANCIES. UPON ACTIVATION OF FIRE ALARM SYSTEM EMERGENCY LIGHTS SHALL GO TO FULL OUTPUT.

7 EMERGENCY LIGHTING OVERRIDE CONTROL SWITCHED LIGHTING FIXTURES — NO SCALE



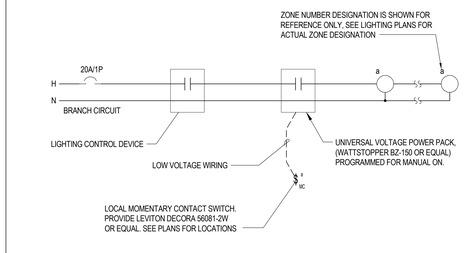
LUTRON QSWS2-3BN-WH, OR EQUAL

DETAIL NOTES:

A. PROVIDE LOW-VOLTAGE SWITCH PER THIS DETAIL WHEREVER LV SWITCH CONTROLS (2) ZONES. COORDINATE SWITCH ZONING WITH PLANS, SEQUENCE OF OPERATION, AND LIGHTING CONTROL RISER DIAGRAM.

4 LOW-VOLTAGE WALL SWITCH FOR 2 CONTROLLED ZONES 3B — NO SCALE

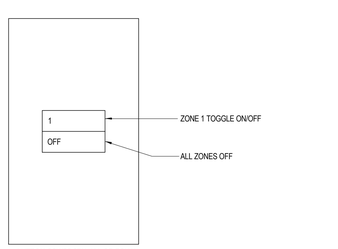
1 NOT USED — NO SCALE



NOTES:

1. CONTROL INTENT: LIGHTING CONTROL DEVICE TURNS EXTERIOR LIGHTING ON/OFF ACCORDING TO TIMECLOCK. DURING DAYTIME, LOCAL SWITCH DOES NOTHING. DURING NIGHTTIME, EXTERIOR LIGHTING DEFAULTS TO OFF EVERY CYCLE. LIGHTING ONLY SWITCHES ON UPON ACTIVATION OF LOCAL MOMENTARY CONTACT SWITCH.
2. LOCATE POWER PACK ABOVE CEILING IN ACCESSIBLE LOCATION, AS NEAR TO LOCAL SWITCH AS POSSIBLE. CONTRACTOR TO DETERMINE FINAL LOCATION IN FIELD AND SUBMIT TO ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION.

8 EXTERIOR AREA LIGHTING CONTROL — NO SCALE

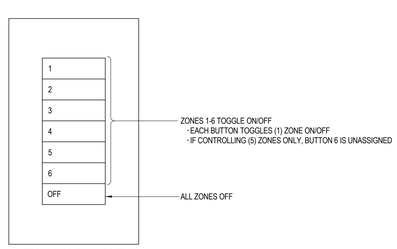


LUTRON QSWS2-2BN-WH, OR EQUAL

DETAIL NOTES:

A. PROVIDE LOW-VOLTAGE SWITCH PER THIS DETAIL WHEREVER LV SWITCH CONTROLS (1) ZONE, COORDINATE SWITCH ZONING WITH PLANS, SEQUENCE OF OPERATION, AND LIGHTING CONTROL RISER DIAGRAM.

5 LOW-VOLTAGE WALL SWITCH FOR 1 CONTROLLED ZONE 2B — NO SCALE

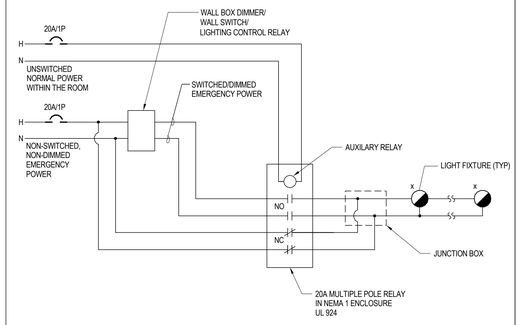


LUTRON QSWS2-7BN-WH, OR EQUAL

DETAIL NOTES:

A. PROVIDE LOW-VOLTAGE SWITCH PER THIS DETAIL WHEREVER LV SWITCH CONTROLS (5) OR (6) ZONES. COORDINATE SWITCH ZONING WITH PLANS, SEQUENCE OF OPERATION, AND LIGHTING CONTROL RISER DIAGRAM.

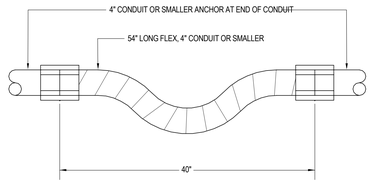
2 LOW-VOLTAGE WALL SWITCH FOR 5 OR 6 CONTROLLED ZONES 7B — NO SCALE



NOTE:

LABEL CONTACTOR PANEL, JUNCTION BOX, AND LIGHT FIXTURE INDICATING EQUIPMENT/DEVICE CONTAINS BOTH NORMAL AND EMERGENCY POWER.

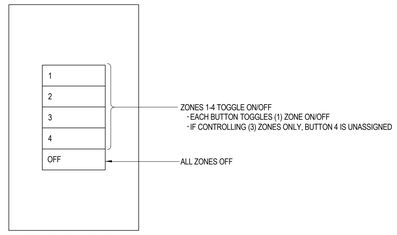
9 EMERGENCY LIGHTING OVERRIDE CONTROL DIMMED LIGHTING FIXTURES — NO SCALE



NOTE:

SEE PLANS FOR LOCATIONS OF CONDUIT EXPANSION JOINT CROSSING.

6 CONDUIT CROSSING EXPANSION JOINT DETAIL — NO SCALE



LUTRON QSWS2-5BN-WH, OR EQUAL

DETAIL NOTES:

A. PROVIDE LOW-VOLTAGE SWITCH PER THIS DETAIL WHEREVER LV SWITCH CONTROLS (3) OR (4) ZONES. COORDINATE SWITCH ZONING WITH PLANS, SEQUENCE OF OPERATION, AND LIGHTING CONTROL RISER DIAGRAM.

3 LOW-VOLTAGE WALL SWITCH FOR 3 OR 4 CONTROLLED ZONES 5B — NO SCALE

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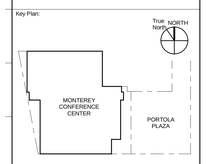
Architect:
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	BID SET	26 AUG 2015

Key Plan:



Seal & Signature:



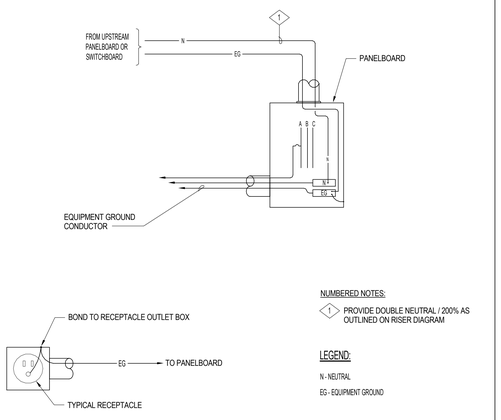
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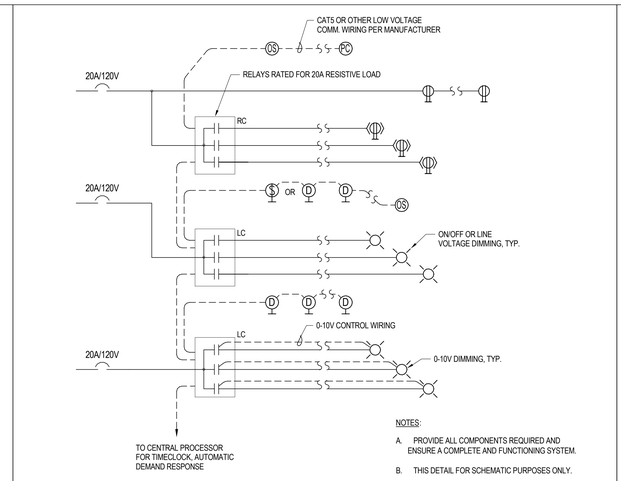
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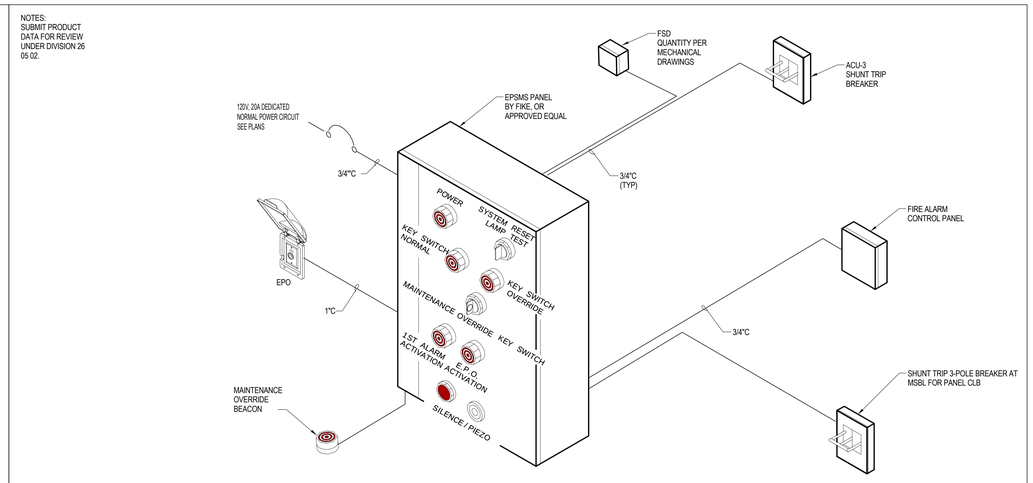
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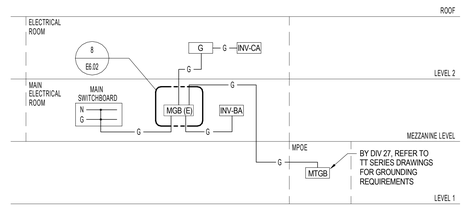
9 PANELBOARD GROUNDING DETAIL — NO SCALE



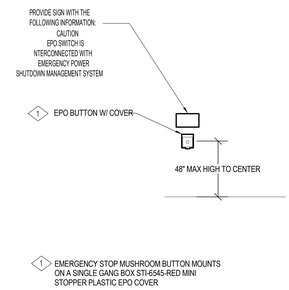
6 TYPICAL PROGRAMMABLE LIGHTING AND RECEPTACLE CONTROL SYSTEM SCHEMATIC DIAGRAM — NO SCALE



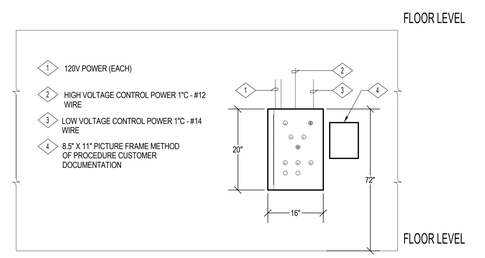
1 MDF ROOM EPO WIRING SCHEMATIC — NO SCALE



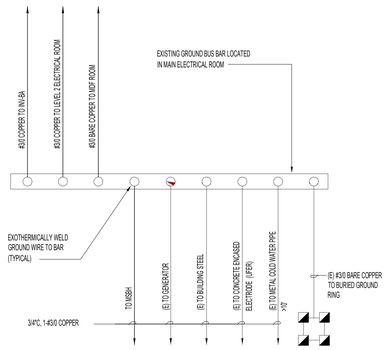
7 GROUNDING RISER DIAGRAM — NO SCALE



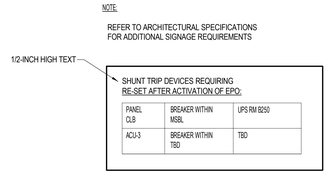
4 EPO AND VISUAL NOTIFICATION ELEVATION DETAIL — NO SCALE



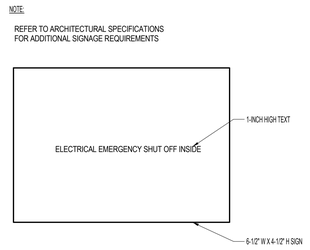
2 EPSMS CABINET ELEVATION DETAIL — NO SCALE



8 MAIN GROUND BUS DETAIL — NO SCALE



5 SHUNT TRIP SIGN LOCATED OUTSIDE OF ROOM — NO SCALE



3 EPO SIGN LOCATED OUTSIDE OF ROOM — NO SCALE

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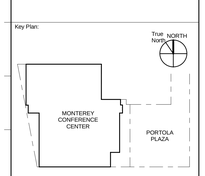
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	BID SET	26 AUG 2015

Key Plan:



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ELECTRICAL DETAILS

Project No.:	Project Number	Sheet No.:
Drawn By:	Author	E6.02
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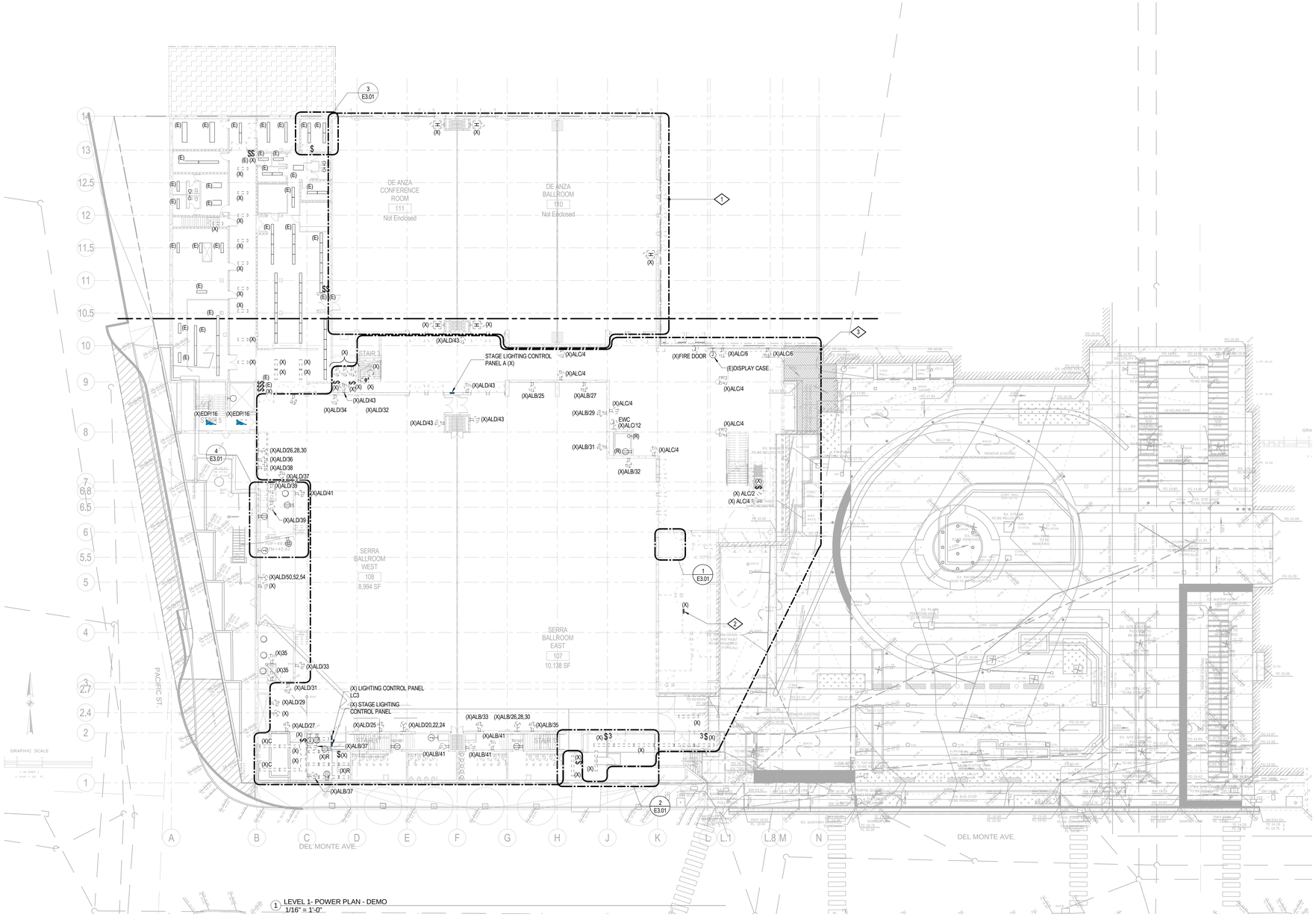
SHEET NOTES:

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 ARE EXISTING TO REMAIN, UON.

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.



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

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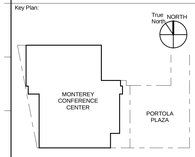
Architect:
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AMEDEE J. BROUHARD
No. E17287
ELECTRICAL
STATE OF CALIFORNIA

Sheet Name:

ELECTRICAL DEMOLITION PLAN - LEVEL 01

Project No.:	Sheet No.:
Project Number	ED2.01
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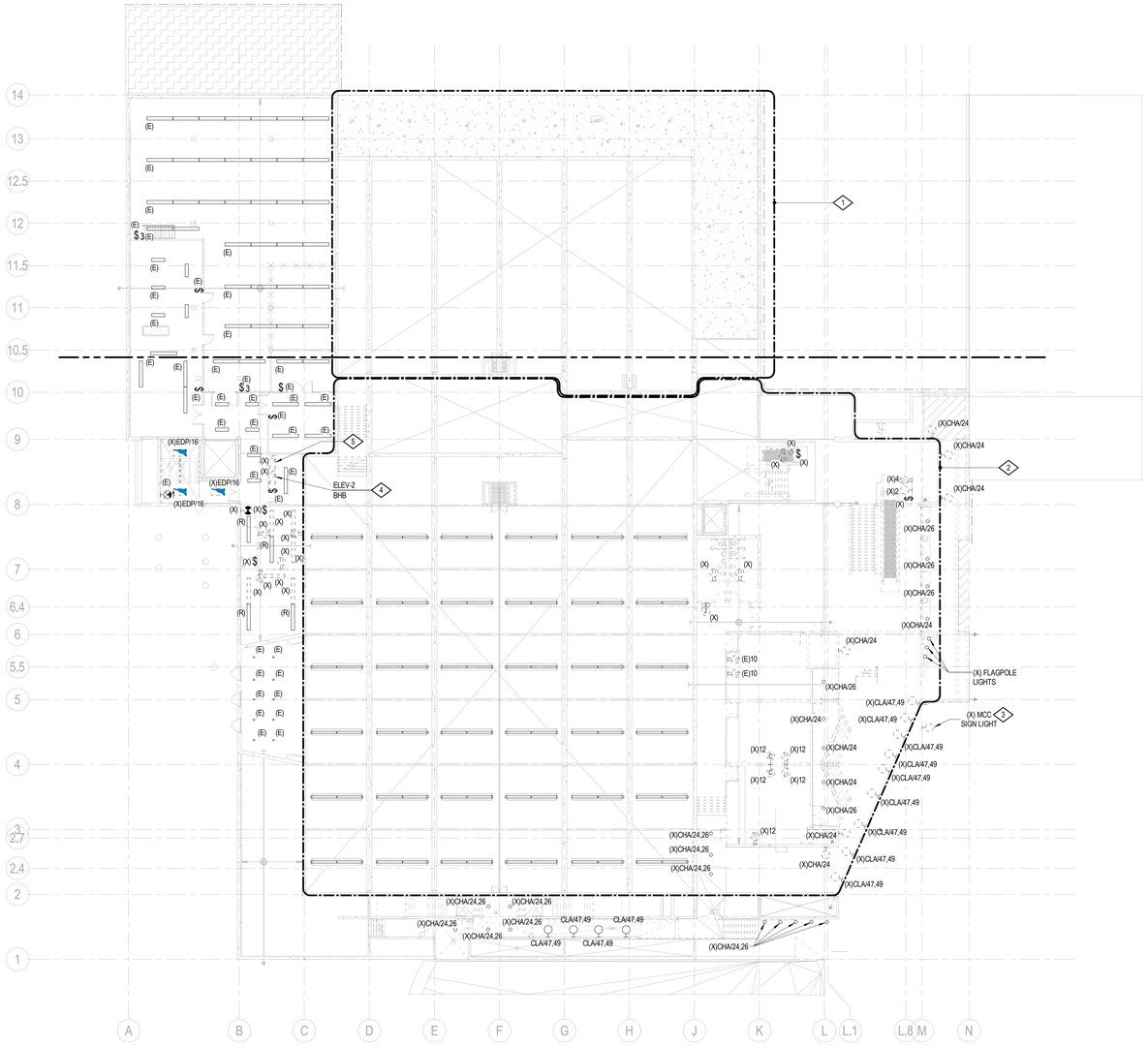
SHEET NOTES:

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. 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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Architect:

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ONE FRONT STREET,
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Consultants:

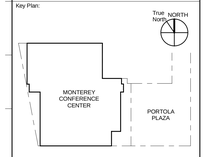
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Key Plan:



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REGISTERED PROFESSIONAL ENGINEER
AMANDA J. BROWNLEE
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	
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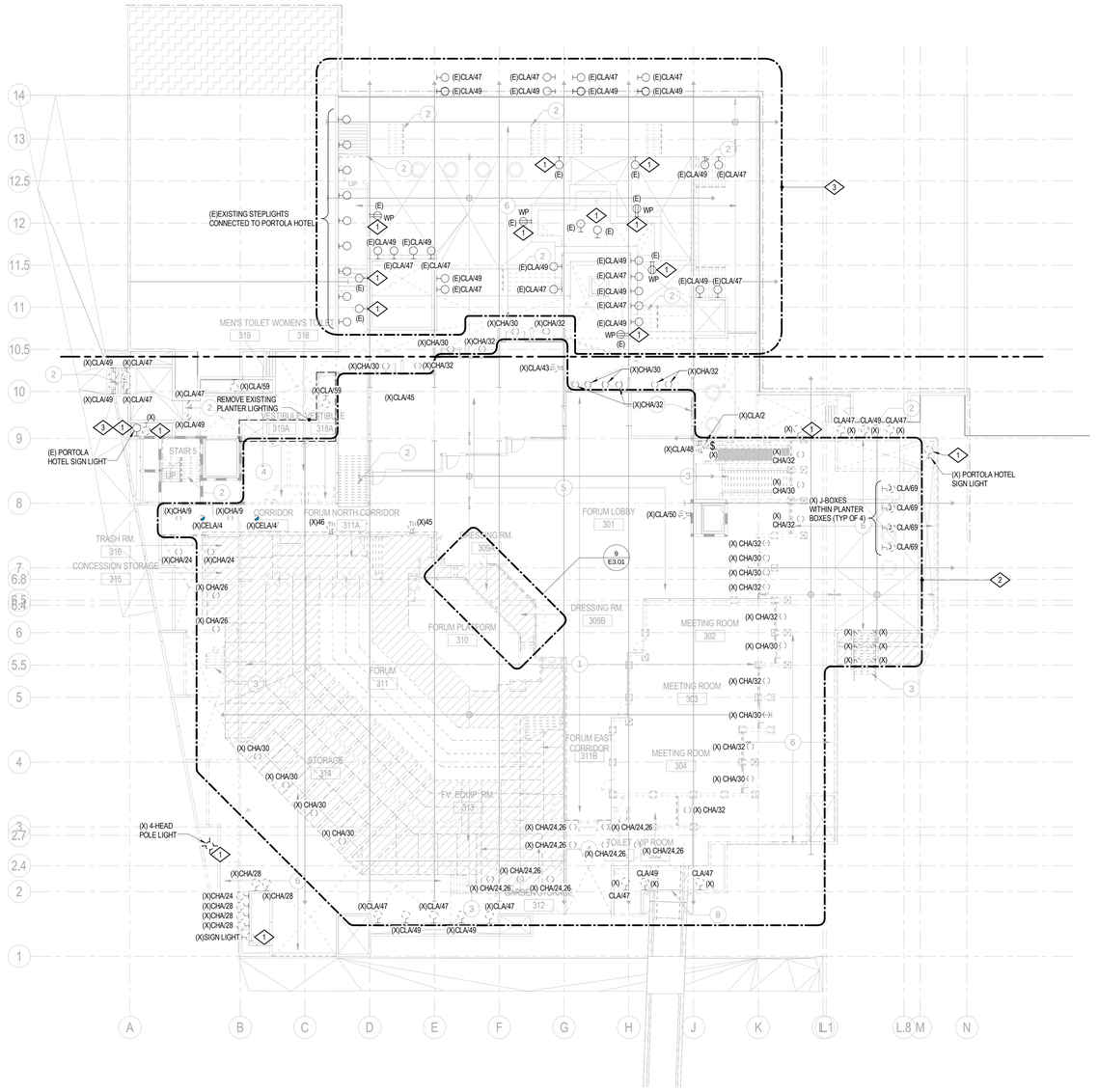
SHEET NOTES:

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 ARE EXISTING TO REMAIN, UON.

NUMBERED NOTES:

1. CIRCUIT AND CONTROL INFORMATION UNKNOWN. VERIFY IN FIELD.
2. ALL LIGHTING FIXTURES, EXIT SIGNS AND CONTROLS IN THIS AREA SHALL BE REMOVED. UON.
3. PROTECT EXISTING LIGHTING AND CONTROLS FOR FIXTURES IN THIS AREA.



1 LEVEL 2 - POWER PLAN - DEMO
1/16" = 1'-0"

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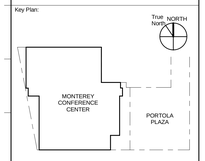
Architect:
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	BID SET	26 AUG 2015

Key Plan:



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No. E17287
ELECTRICAL
STATE OF CALIFORNIA

Sheet Name:

ELECTRICAL DEMOLITION PLAN - LEVEL 02

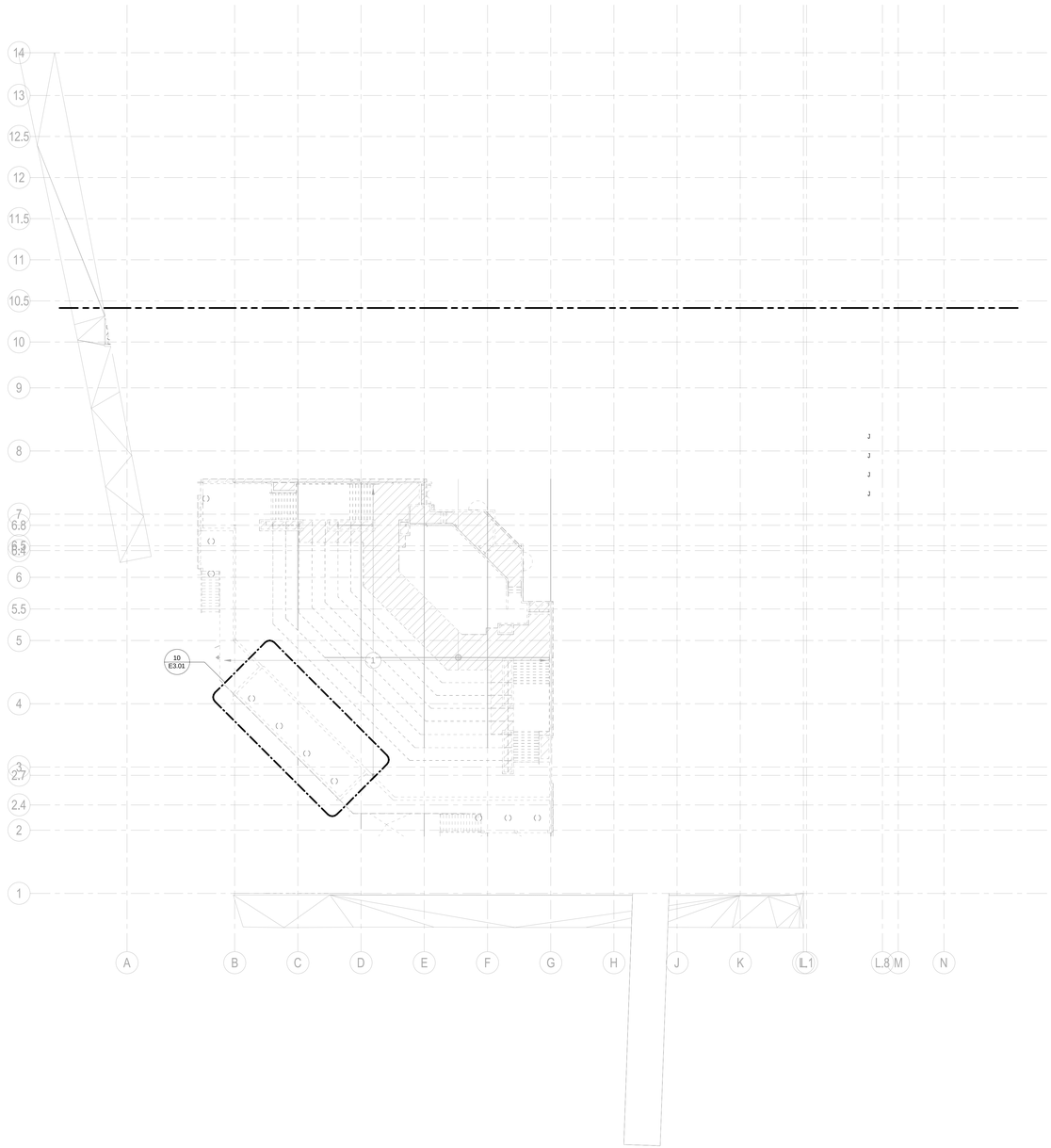
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Drawn By: Author	
Checked By: Checker	
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CAO RDM

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 ARE EXISTING TO REMAIN, UON.



1 LEVEL 2 - POWER PLAN - DEMO
1/16" = 1'-0"

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Architect:

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

Consultants:

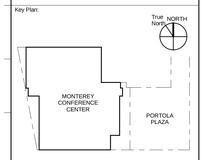
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	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015

Key Plan:



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AMEDA J. BROWNE
No. E17287
ELECTRICAL
STATE OF CALIFORNIA

Sheet Name:

ELECTRICAL DEMOLITION PLAN AUDITORIUM UPPER LEVEL

Project No.:	Sheet No.:
Project Number	ED2.04
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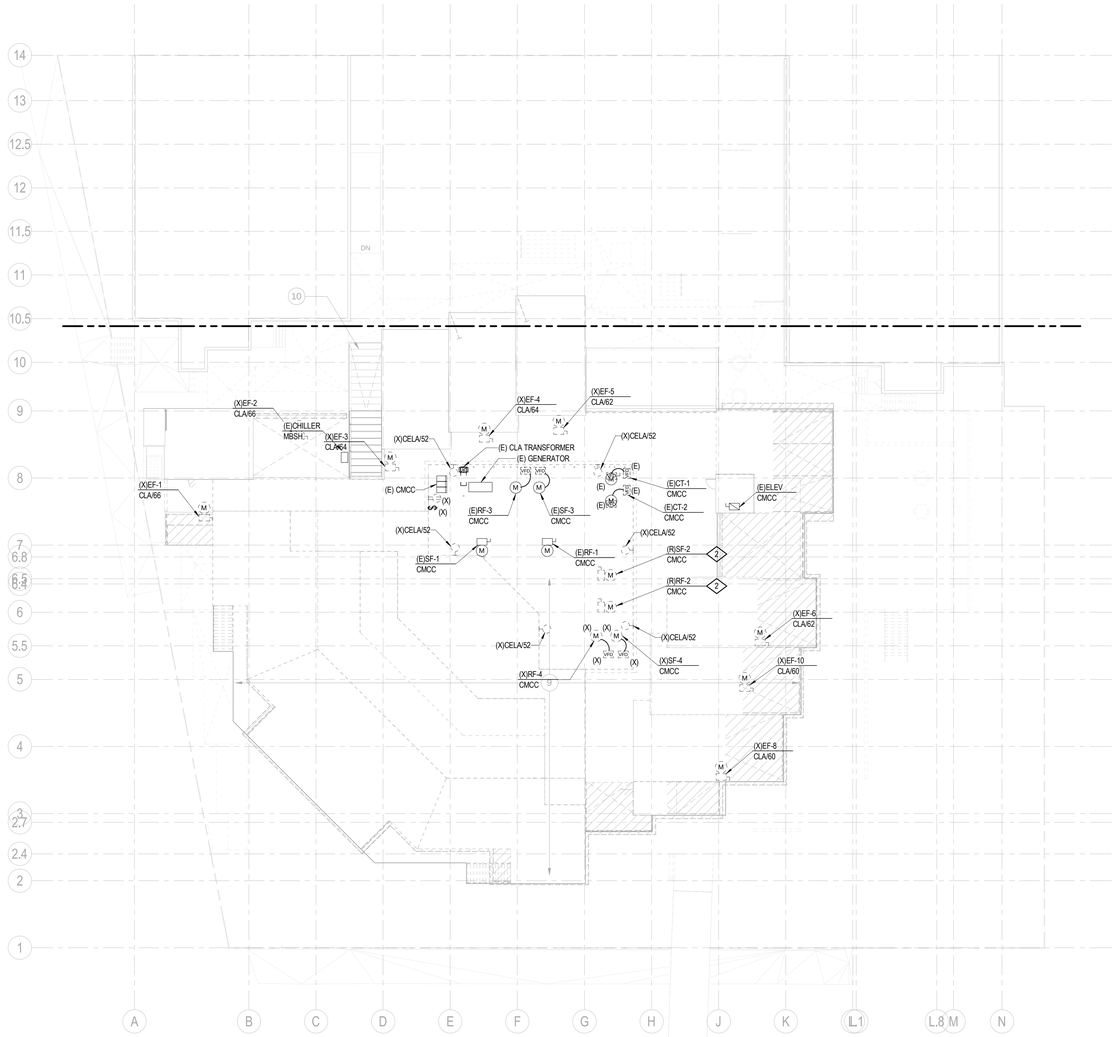
SHEET NOTES:

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 ARE EXISTING TO REMAIN, UON.

NUMBERED NOTES:

1. RELOCATE EXISTING VFD TO NEW LOCATION, EXTEND CONDUIT AND WIRE AS REQUIRED.
2. EXTEND CONDUIT AND WIRE TO NEW FAN LOCATION AS REQUIRED.



1 (E) ROOF LEVEL - POWER PLAN - DEMO
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:

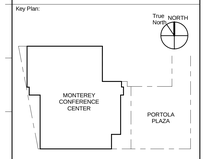
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405 Howard St., Suite 500
San Francisco, CA 94105
(415) 398-3833
www.wspgroup.com/usa

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Key Plan:



Seal & Signature:

REGISTERED PROFESSIONAL ENGINEER
HAMISH J. BROWNRIGG
No. E17287
ELECTRICAL
STATE OF CALIFORNIA

Sheet Name:

ELECTRICAL DEMOLITION PLAN - ROOF LEVEL

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

Sheet No.: ED2.05

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Agreement #: Ag-5097 - Page 326 of 329

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PLUMBING 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

POTABLE WATER

	DOMESTIC COLD WATER PIPING
	DOMESTIC HOT WATER PIPING
	DOMESTIC HOT WATER RETURN PIPING

NON-POTABLE / WATER

TP	TRAP PRIMER
IRR	IRRIGATION PIPING
NPW	NON-POTABLE WATER
TW	TEMPERED WATER

LABORATORY / MEDICAL - WASTE / GAS

G	NATURAL GAS PIPING (LOW PRESSURE)
GV	NATURAL GAS VENT PIPING (LOW PRESSURE)

WASTE / VENT / STORM

SAN	SANITARY (ABOVE FLOOR)
SAN	SANITARY (BELOW FLOOR)
V	VENT PIPING
ST	STORM DRAIN PIPING
OST	OVERFLOW STORM PIPING
IW	INDIRECT WASTE PIPING
CD	CONDENSATE DRAIN PIPING
GWW	GRAY WATER WASTE PIPING
	CENTER LINE
	EXISTING PIPING
	EXISTING PIPING TO BE REMOVED

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

P0.01	PLUMBING LEGEND, ABBREVIATIONS AND DRAWING LIST
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

GENERAL NOTES

A. NO REVISIONS OR CHANGES OF ANY KIND MAY BE MADE TO THE CONSTRUCTION PLANS WITHOUT THE CONSENT OF OWNER AND ITS MANAGER. ANY PROPOSED REVISIONS OR CHANGES MUST BE SUBMITTED TO OWNER AND ITS MANAGER, FOR THEIR REVIEW AND APPROVAL PRIOR TO COMMENCEMENT OF SUCH CHANGES.

B. ALL TENANT'S CONTRACTOR'S WORK MUST BE SCHEDULED SO THAT IT IN NO WAY CONFLICTS WITH, DE-ANZA BALL ROOM WITH, OR IMPEDES THE QUIET AND PEACEFUL ENJOYMENT OF OTHER TENANTS, OR THE PROGRESS OF OWNER'S AND ITS MANAGER'S WORK OR OPERATIONS.

PLUMBING GENERAL NOTES

A. THE CONTRACTOR FOR THIS DIVISION OF WORKS IS REQUIRED TO READ THE 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. ALL PLUMBING WORK SHALL COMPLY WITH THE CURRENT APPROVED 2013 EDITION OF THE CALIFORNIA PLUMBING CODE.

C. THE CONTRACTOR, PRIOR TO BIDDING SHALL VISIT THE JOB SITE TO BE FAMILIARIZED WITH THE EXISTING PLUMBING INSTALLATIONS CONDITIONS, AND SYSTEMS RELATED TO THE SCOPE OF WORK.

D. ANY WORK INSTALLED INCORRECTLY, OR BEFORE APPROVAL HAS BEEN OFFICIALLY GRANTED FOR THOSE ITEMS AT ISSUE, SHALL BE CORRECTED BY THE PLUMBING CONTRACTOR AT NO CHARGE TO CLIENT.

E. ANY WORK SHOWN ON DRAWINGS IS IN PART SCHEMATIC, INTENDED TO CONVEY SCOPE OF WORK AND GENERAL LAYOUT. PIPING WORK SHOWN IS ESSENTIALLY DIAGRAMMATIC. CONTRACTOR SHALL INSTALL PLUMBING WORK TO SUIT FIELD CONDITIONS AND THE COORDINATION REQUIREMENTS OF OTHER TRADES.

F. ALL MATERIALS AND EQUIPMENT FURNISHED BY THE CONTRACTOR SHALL BE NEW AND COMPLETELY SERVICEABLE.

G. CONTRACTOR TO VERIFY EXACT LOCATION OF UTILITIES IN THE FIELD.

H. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF ALL PLUMBING FIXTURES.

I. DRAWINGS ARE DIAGRAMMATIC AND DO NOT NECESSARILY SHOW ALL OFFSETS OR FITTINGS REQUIRED. PLUMBING CONTRACTOR IS TO COORDINATE WITH ALL OTHER TRADES TO AVOID CONFLICTS.

J. OFFSETS IN VERTICAL DRAINAGE SHALL BE MADE AT 45 WHEREVER POSSIBLE.

K. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSTALL ALL WORK TO MEET OR EXCEED MINIMUM REQUIREMENTS STIPULATED IN CURRENT ISSUE OF APPLICABLE STANDARDS. CODES, OR REGULATIONS.

L. SANITARY SEWER PIPING MINIMUM SLOPE 1/4" PER FOOT FOR PIPE 3" OR LESS, 1/8" PER FOOT FOR PIPE 4" TO 6".

M. ALL FLOOR SINKS AND FLOOR DRAINS WILL HAVE TRAP PRIMERS AND VENT PIPE CONNECTION. CONTRACTOR TO PROVIDE 1/2" TRAP PRIMER LINE.

N. ABSOLUTE ACCURACY OF DRAWINGS AND SPECIFICATIONS CANNOT BE GUARANTEED. THE DRAWINGS ARE SCHEMATIC IN NATURE AND WHILE EVERY EFFORT HAS BEEN MADE TO COORDINATE THE LOCATIONS OF EQUIPMENT PIPING, DUCT, AND ETC. WITH OTHER TRADES IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE EXACT REQUIREMENTS GOVERNED BY ACTUAL JOB CONDITION.

O. THE SANITARY DRAINAGE SYSTEMS SHALL BE TESTED IN ACCORDANCE WITH 2013 CALIFORNIA PLUMBING CODE, SECTION 712.0 "TESTING".

P. CLEANOUTS SHALL BE INSTALLED IN ACCORDANCE WITH 2013 CALIFORNIA PLUMBING CODE, SECTION 707.0 "CLEANOUTS".

Q. APPROVAL FROM BUILDING ENGINEERING MANAGEMENT IS REQUIRED WHEN WORK IS BEING PERFORMED WHICH REQUIRES THE DISRUPTION OF SUPPLY WATER FROM RISERS OR OTHER PIPING.

PLUMBING APPLICABLE CODES AND STANDARDS

A. 2013 CALIFORNIA BUILDING CODE.

B. 2013 BUILDING CODE.

C. 2013 CALIFORNIA PLUMBING CODE.

D. 2013 PLUMBING CODE.

E. 2013 CALIFORNIA BUILDING STANDARDS CODE - TITLE 24, PART II CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN).

F. CALIFORNIA HEALTH AND SAFETY CODE, SECTION 116875(b)-CALIFORNIA LEAD-FREE PLUMBING LAW AB. 1953.

G. STATE OF CALIFORNIA ENERGY CONSERVATION STANDARDS, TITLE 24.

H. CALIFORNIA HANDICAPPED CODE, ARTICLE 3 AND ADA REQUIREMENTS.

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
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580 PACIFIC STREET, MONTEREY, CA 93940
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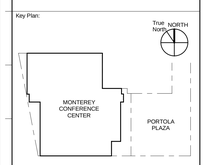
Architect:
SOM
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

Consultants:
WSP
405 Howard St., Suite 500
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PLUMBING LEGENDS & ABBREVIATIONS

Project No.: Project Number
Drawn By: Author
Checked By: Checker
Scale: NTS

Sheet No.: P0.01

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WATER PIPE SIZING CHART

PIPE SIZES CALCULATED BASED ON UPC/CPC APPENDIX A

SIZE: TYPE L COPPER		CW MAX FLOW		CW FIXTURE UNIT VALUES		HW MAX FLOW		HWFU
NOMINAL DIAMETER	INTERNAL DIAMETER	GPM	FPS	FLUSH TANK	FLUSH VALVE	GPM	FPS	HOT WATER
3/8"	0.44	0.8	1.8	0	0	0.8	1.8	0
1/2"	0.545	1.5	2.0	0	0	1.5	2.0	0
3/4"	0.785	3.9	2.6	3	0	3.9	2.6	3
1"	1.025	7.8	3.0	8	0	7.8	3.0	8
1-1/4"	1.265	13.6	3.5	18	0	13.6	3.5	18
1-1/2"	1.505	21.4	3.9	32	0	21.4	3.9	32
2"	1.985	44.4	4.6	103	35	44.4	4.6	103
2-1/2"	2.465	78.4	5.3	264	140	74.4	5.0	245
3"	2.945	125.2	5.9	506	396	106.2	5.0	411
4"	3.905	263.0	7.0	1443	1443	186.6	5.0	847
5"	4.875	465.4	8.0	3291	3291	290.9	5.0	1668
6"	5.845	669.1	8.0	5101	5101	418.2	5.0	2843
8"	7.725	1168.7	8.0	8300	8300	730.4	5.0	5650
10"	9.625	1814.3	8.0	8300	8300	1133.9	5.0	8300

Constant	130
CW Max Vel	8
HW Max Vel	5

THIS TABLE IS TO BE USED FOR SIZING BRANCH PIPING WITH MORE THAN ONE (1) FIXTURE ONLY. REFER TO THE PLUMBING FIXTURE SCHEDULE FOR INDIVIDUAL FIXTURE BRANCH SIZE.

NOTE: FOR PLUMBING FIXTURE COUNT TABLE REFER TO ARCHITECTURAL DRAWING SHEET A0.11.1

PLUMBING FIXTURE SCHEDULE

ITEM	DESCRIPTION	CONNECTIONS					REMARKS
		S	V	CW	HW	ST	
WC-1	WATER CLOSET	4"	2"	1-1/4"	-	-	VITREOUS CHINA, WALL HUNG, SIPHON JET (1.1 GPF)
WC-2	WATER CLOSET	4"	2"	1-1/4"	-	-	ADA COMPLIENT, VITREOUS CHINA, WALL HUNG, SIPHON JET, 1.1 GPF
UR-1	URINAL	2"	1-1/2"	3/4"	-	-	VITREOUS CHINA, WALL HUNG, WASHOUT FLUSH , 1/8 GPF
UR-2	URINAL	2"	1-1/2"	3/4"	-	-	ADA COMPLIENT, VITREOUS CHINA, WALL HUNG, WASHOUT FLUSH, 1/8 GPF
L-1	LAVATORY	2"	1-1/2"	1/2"	1/2"	-	ADA COMPLIENT, VITREOUS CHINA, WALL MOUNTED, 0. 5 GPM @ 10 SECONDS CYCLE.
SK-1	SINK	2"	1-1/2"	1/2"	1/2"	-	ADA COMPLIENT, STAINLESS STEEL, UNDERCOUNTER MOUNTED, 1.5 GPM , FILTERED BOTTLE FILLER
MS-1	MOP SINK	3"	2"	1/2"	1/2"	-	ENAMELED CAST IRON, CORNER MODEL
HB-1	HOSE BIBB	-	-	3/4"	-	-	EXPOSED HOSE BIBB WITH INTEGRAL VACUUM BREAKER, LOOSE KEY HANDLE, VANDAL PROOF
FD-1	FLOOR DRAIN	2"	1-1/2"	-	-	-	WITH TRAP PRIMER CONNECTION, REFER TO SPECIFICATIONS
RD-1	ROOF DRAIN	-	-	-	-	2",3"&4"	REFER TO SPECIFICATIONS
OFD-1	OVERFLOW ROOF DRAIN	-	-	-	-	2",3"&4"	REFER TO SPECIFICATIONS
DF-1	DRINKING FOUNTAIN	2"	1-1/2"	1/2"	-	-	REFER TO SPECIFICATIONS
PD-1	PLANTER DRAIN	-	-	-	-	2"	REFER TO SPECIFICATIONS

INDOOR WATER USE - REDUCTION CALCULATION

FIXTURE TYPE	BASELINE FLOW	FLOW IN FIXTURES USED
WATER CLOSET	1.6 GPF	1.1 GPF
URINAL	1.0 GPF	0.125 GPF
KITCHEN FAUCET	2.2 GPM @ 60 PSI	1.5 GPM @ 60 PSI
LAVATORY FAUCET	0.5 GPM @ 60 PSI	0.17 GPC @ 60 PSI

PLUMBING DRAIN AND CLEANOUT SCHEDULE

ITEM	DESCRIPTION	MANUFACTURER	MODEL NUMBER	STRAINER TYPE	REMARKS
FD-1	FLOOR DRAIN	JR SMITH	REFER TO SPECIFICATIONS	-	-
WCO	WALL CLEAN OUT	JR SMITH	REFER TO SPECIFICATIONS	-	-

PLUMBING PUMP SCHEDULE

ITEM	DESCRIPTION	LOCATION	FLOW GPM	TDH FEET	MOTOR				MANUFACTURER & MODEL NO.	REMARKS
					HP	RPM	V	PH		
CP-1	RECIRCULATION PUMP	MEZZANINE LEVEL	10	12	0.2	3300	115	1	BELL & GOSSETT MODEL #NBF-36 (SPEED 1)	ALL BRONZE CONSTRUCTION, RATED AT 270 WATTS AND 2.30 F.L. AMPS

STORAGE TANK SCHEDULE

ITEM	DESCRIPTION	LOCATION	MANUFACTURER	MODEL #	USABLE CAPACITY (GALLON)	REMARKS
ST-1	HOT WATER STORAGE TANK	MEZZANINE LEVEL	CEMLINE	H120 CST	320	VERTICAL SYSTEM

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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:

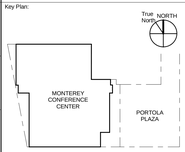
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405 Howard St., Suite 500
San Francisco, CA 94105
(415) 398-3833
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Key Plan:



Seal & Signature:

REGISTERED PROFESSIONAL ENGINEER
JOJI TROWBRIDGE
No. M35886
MECHANICAL
STATE OF CALIFORNIA

Sheet Name:

PLUMBING SCHEDULES

Project No.:	Sheet No.:
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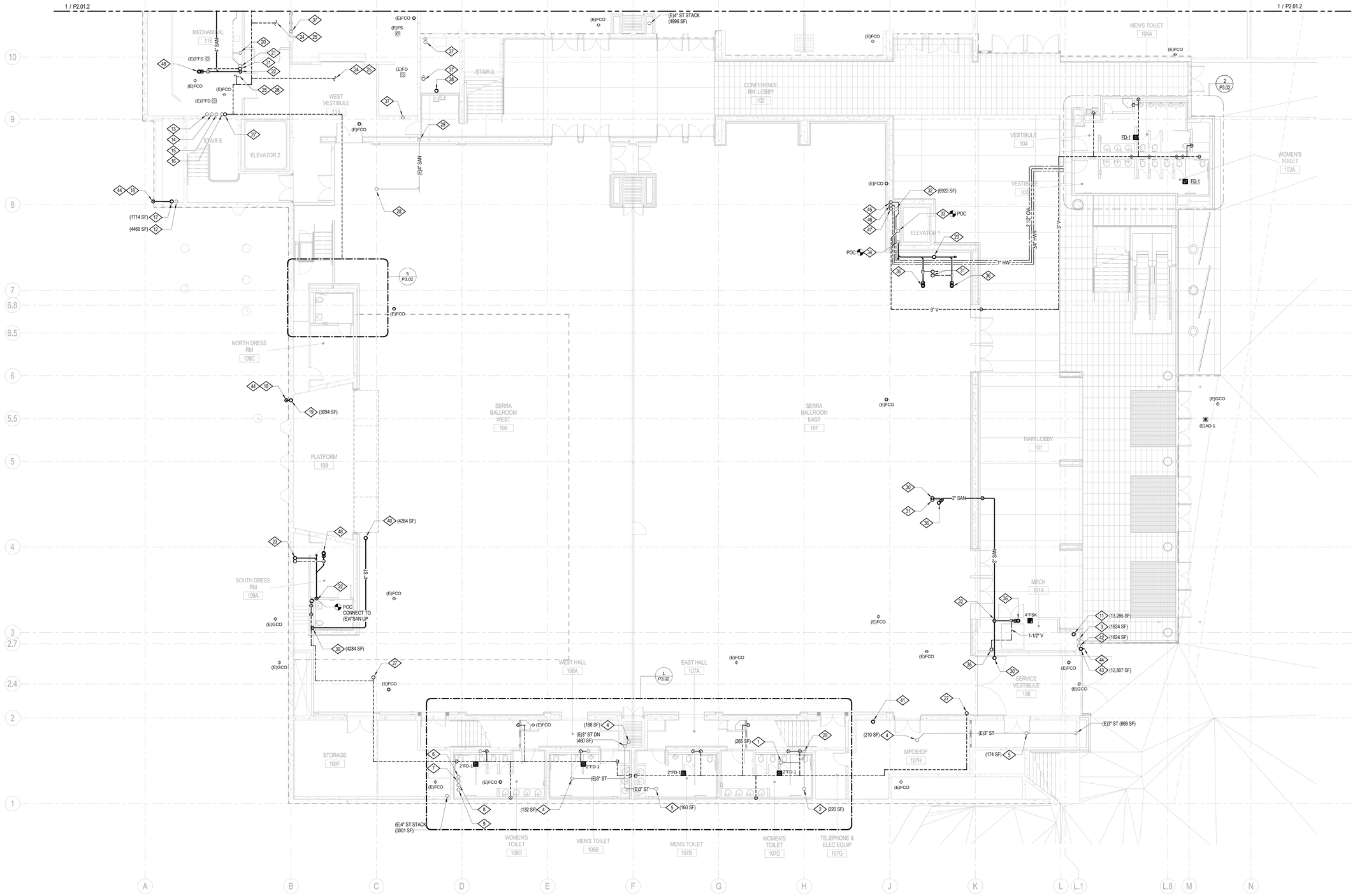
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NUMBERED NOTES:

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"IW 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

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"

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

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CITY HALL

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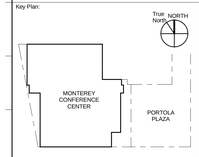
Architect:
SOM
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
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Consultants:
WSP
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	60% PROJECT COMPLETION	15 MAY 2015
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015

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	Sheet No.: P2.01.1
Drawn By: Author	
Checked By: Checker	
Scale: 1/8" = 1'-0"	

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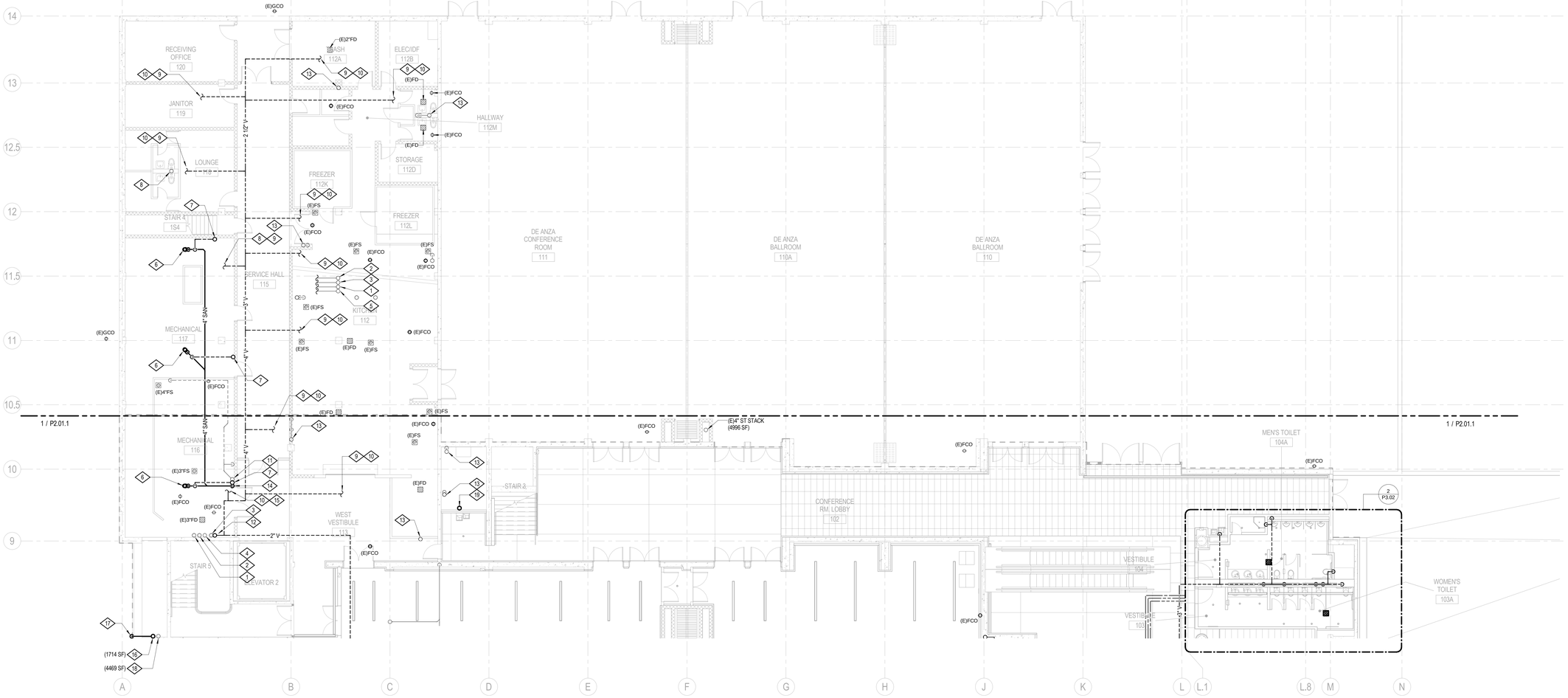
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NUMBERED NOTES:

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

SHEET NOTES:

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1 LEVEL 1- PLUMBING PLAN - NORTH
1/8" = 1'-0"

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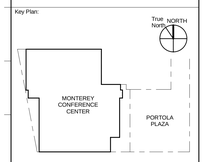
Architect:
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ONE FRONT STREET,
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	BID SET	26 AUG 2015

Key Plan:



Seal & Signature:

REGISTERED PROFESSIONAL ENGINEER
JOJI TROMAS
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"	

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2/4/2015 8:19:51 AM

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:

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1 LEVEL 1- PLUMBING PLAN
1/8" = 1'-0"

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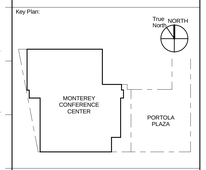
Architect:
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Key Plan:



Seal & Signature:

REGISTERED PROFESSIONAL ENGINEER
JOEL THOMAS
No. M35886
MECHANICAL
STATE OF CALIFORNIA

Sheet Name:

PLUMBING PLAN - UNDERGROUND - SOUTH

Project No.:	Sheet No.:
Project Number	P2.01U.1
Drawn By: Author	
Checked By: Checker	
Scale: 1/8" = 1'-0"	

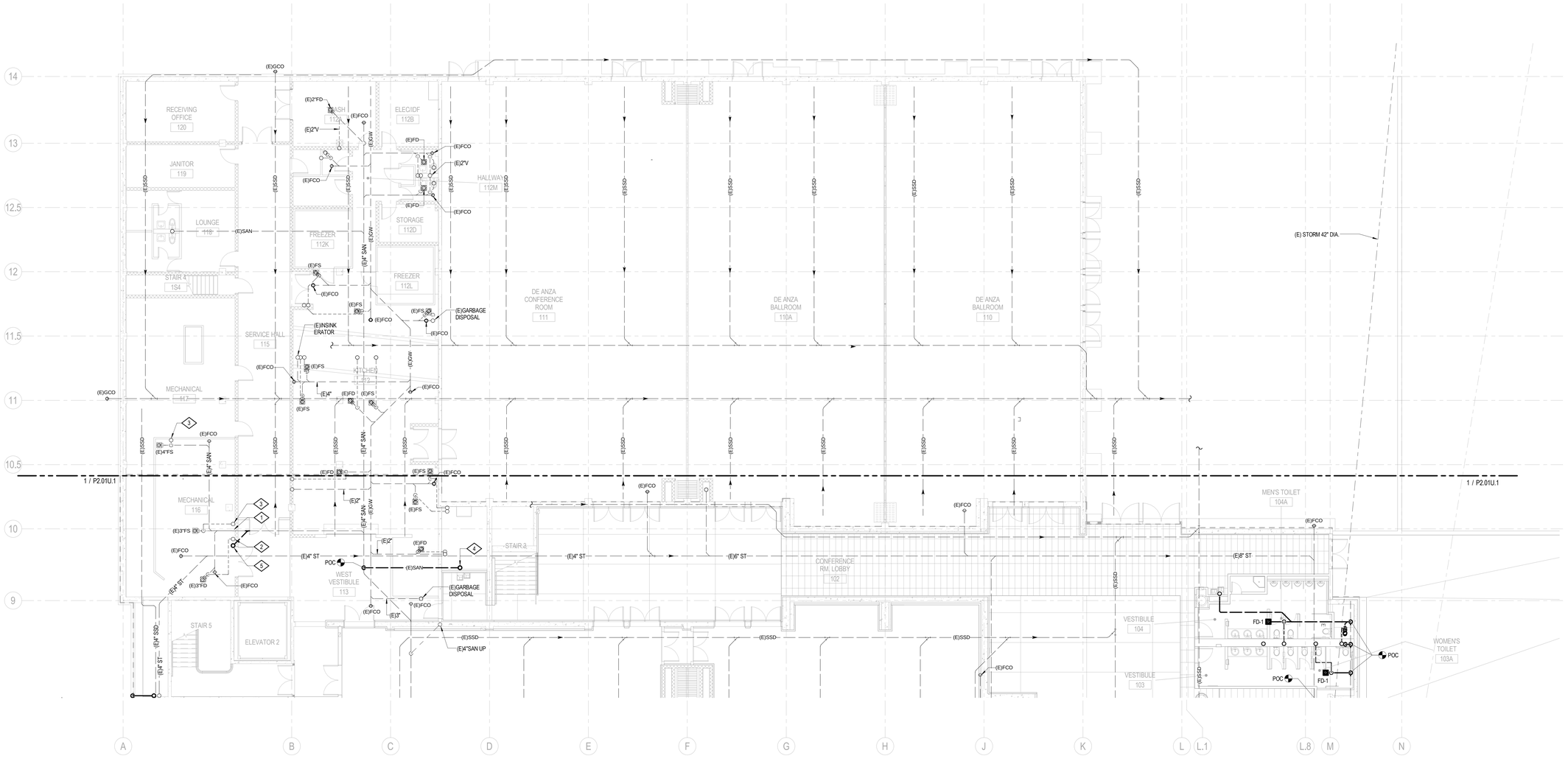
Approved as to Form
CAO RISK
Agreement #: Ag-5097 - Page 326 of 329

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

SHEET NOTES:

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SAN FRANCISCO, CA 94111

Consultants:

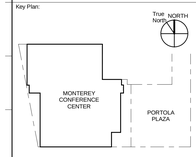
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Key Plan:



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REGISTERED PROFESSIONAL ENGINEER
JOJI THOMAS
No. M35886
MECHANICAL
STATE OF CALIFORNIA

Sheet Name:

PLUMBING PLAN - UNDERGROUND - NORTH

Project No.: Project Number	Sheet No.: P2.01U.2
Drawn By: Author	
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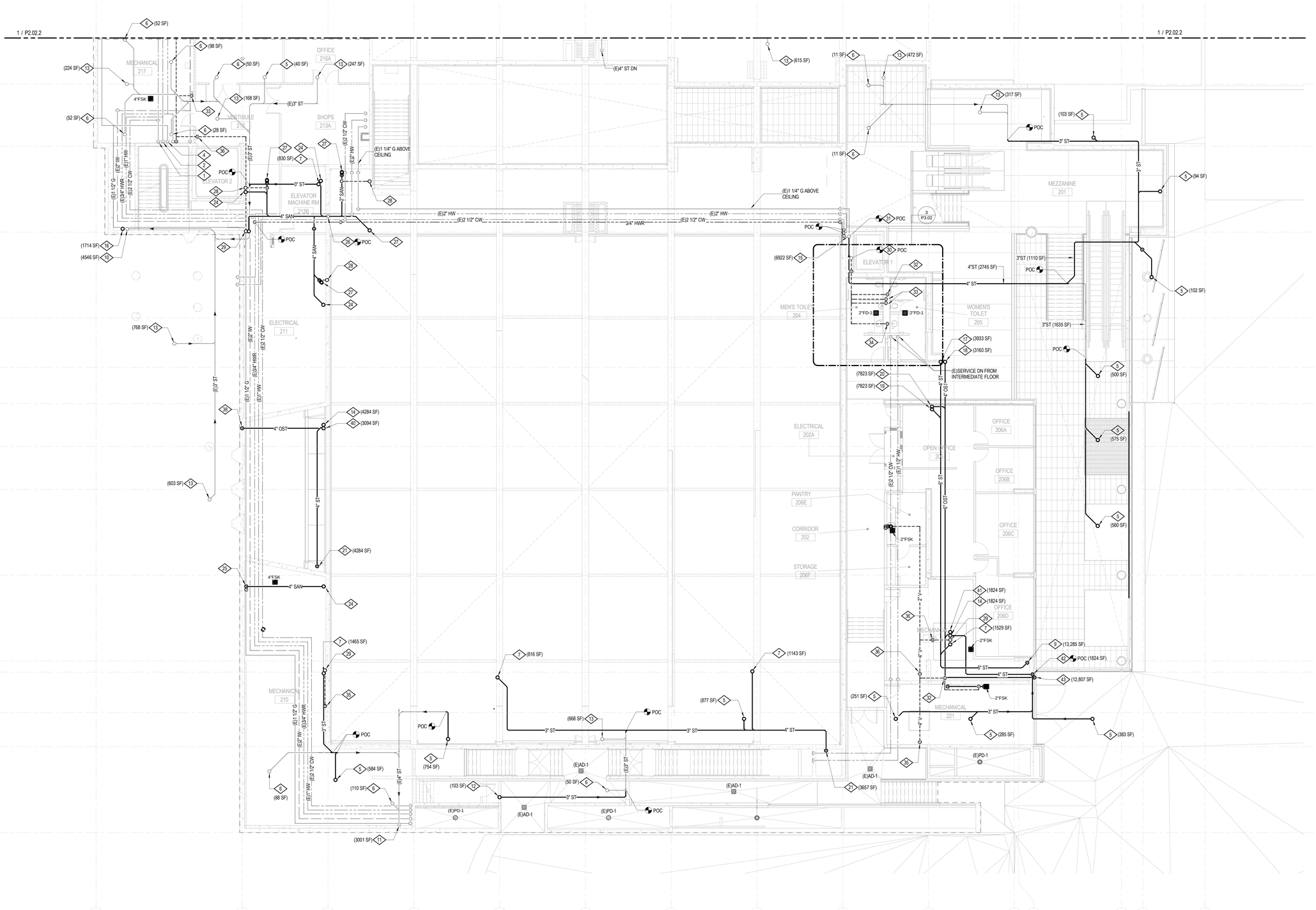
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CAO RISK

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 DN
43. 6"OST DN

SHEET NOTES:

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1 MEZZANINE LEVEL- PLUMBING PLAN
1/8" = 1'-0"

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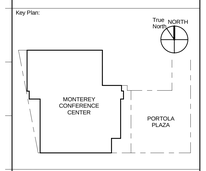
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TEL: (831) 646-5601

Architect:
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ONE FRONT STREET,
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	BID SET	26 AUG 2015

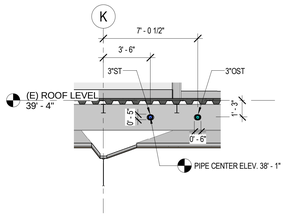
Key Plan:


Seal & Signature:
REGISTERED PROFESSIONAL ENGINEER
JOJI THOMAS
No. M35886
MECHANICAL
STATE OF CALIFORNIA

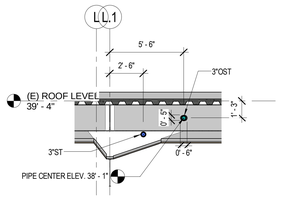
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PLUMBING PLAN - MEZZANINE LEVEL - SOUTH

Project No.: Project Number
Drawn By: Author
Checked By: Checker
Scale: 1/8" = 1'-0"
Sheet No.: P2.02.1

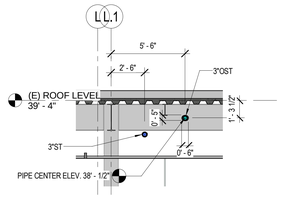
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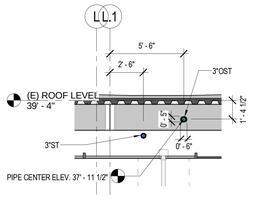
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1/4" = 1'-0"



3 ST & OST Section 16
1/4" = 1'-0"



4 ST & OST Section 17
1/4" = 1'-0"



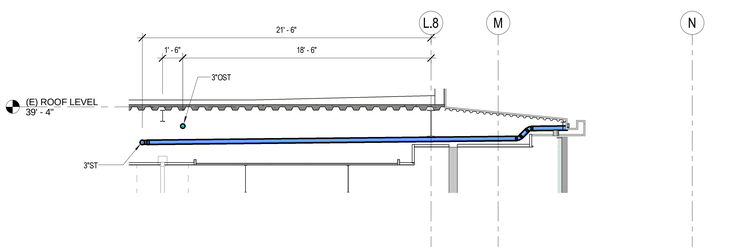
5 ST & OST Section 18
1/4" = 1'-0"

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. 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. 4"ST UP&DN
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"ST UP&DN
16. (E)1-1/4"G ABOVE CEILING
17. (E)1"HWR
18. (E)1-1/2"G DN
19. 4"V DN
20. 2"V DN
21. 3"OST UP&DN
22. (E)4"ST DN & 3"ST UP
23. 2"SAN UP
24. 2"V UP
25. 4"SAN UP
26. 4"SAN DN CONNECT TO (E)4"SAN UP

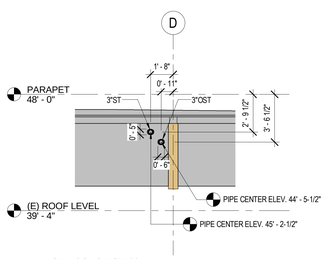
SHEET NOTES:

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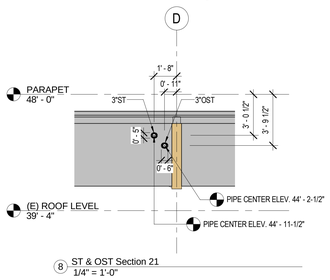


6 ST & OST Section 19
1/4" = 1'-0"

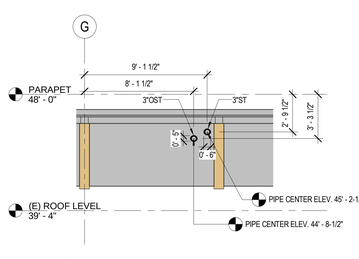
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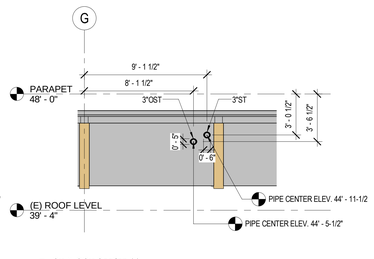
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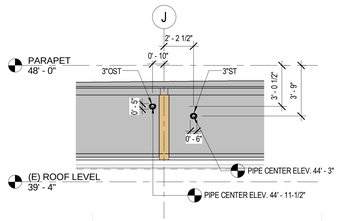
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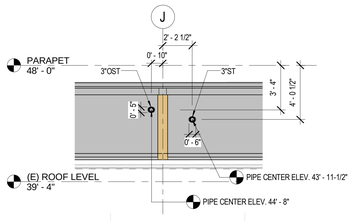
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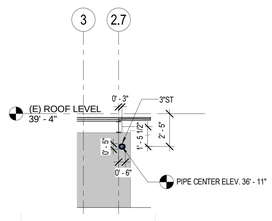
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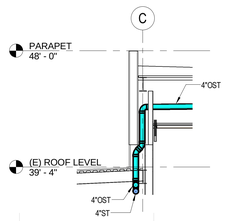
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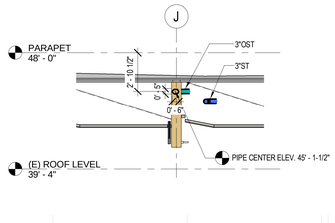
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1/4" = 1'-0"



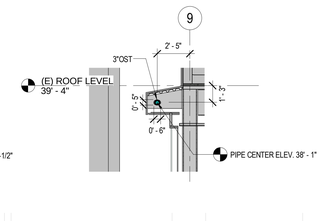
13 ST & OST Section 26
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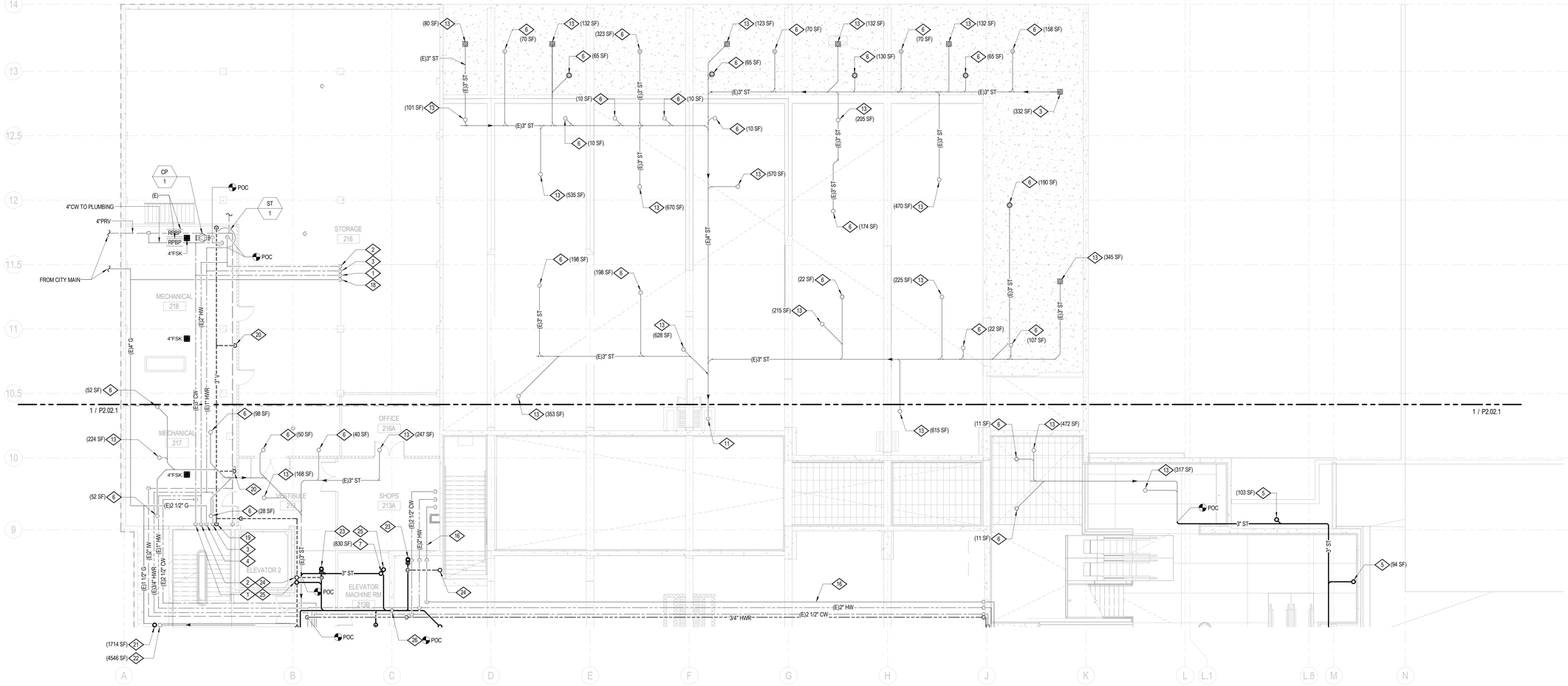
14 ST & OST Section 27
1/4" = 1'-0"



15 ST & OST Section 28
1/4" = 1'-0"



16 ST & OST Section 29
1/4" = 1'-0"



1 MEZZANINE LEVEL- PLUMBING PLAN
1/8" = 1'-0"

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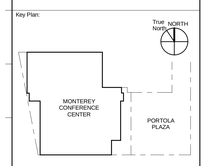
Architect:
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	BID SET	26 AUG 2015

Key Plan:



Seal & Signature:

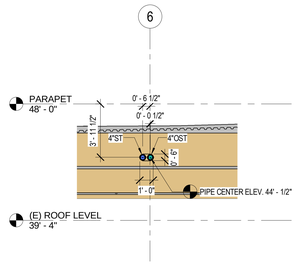
REGISTERED PROFESSIONAL ENGINEER
JOJI THOMAS
No. M35886
MECHANICAL
STATE OF CALIFORNIA

Sheet Name:

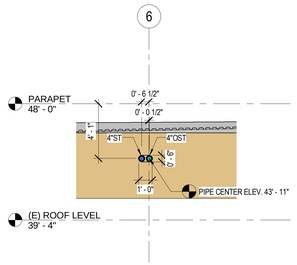
PLUMBING PLAN - MEZZANINE LEVEL - NORTH

Project No.: Project Number	Sheet No.: P2.02.2
Drawn By: Author	
Checked By: Checker	
Scale: As indicated	

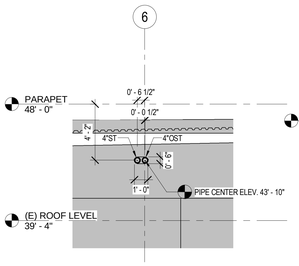
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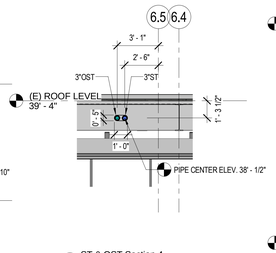
2 ST & OST Section 1
1/4" = 1'-0"



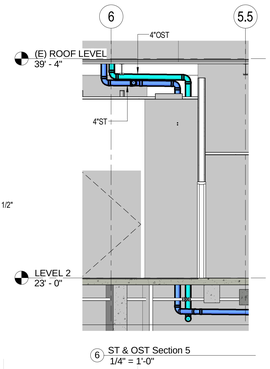
3 ST & OST Section 2
1/4" = 1'-0"



4 ST & OST Section 3
1/4" = 1'-0"



5 ST & OST Section 4
1/4" = 1'-0"



6 ST & OST Section 5
1/4" = 1'-0"

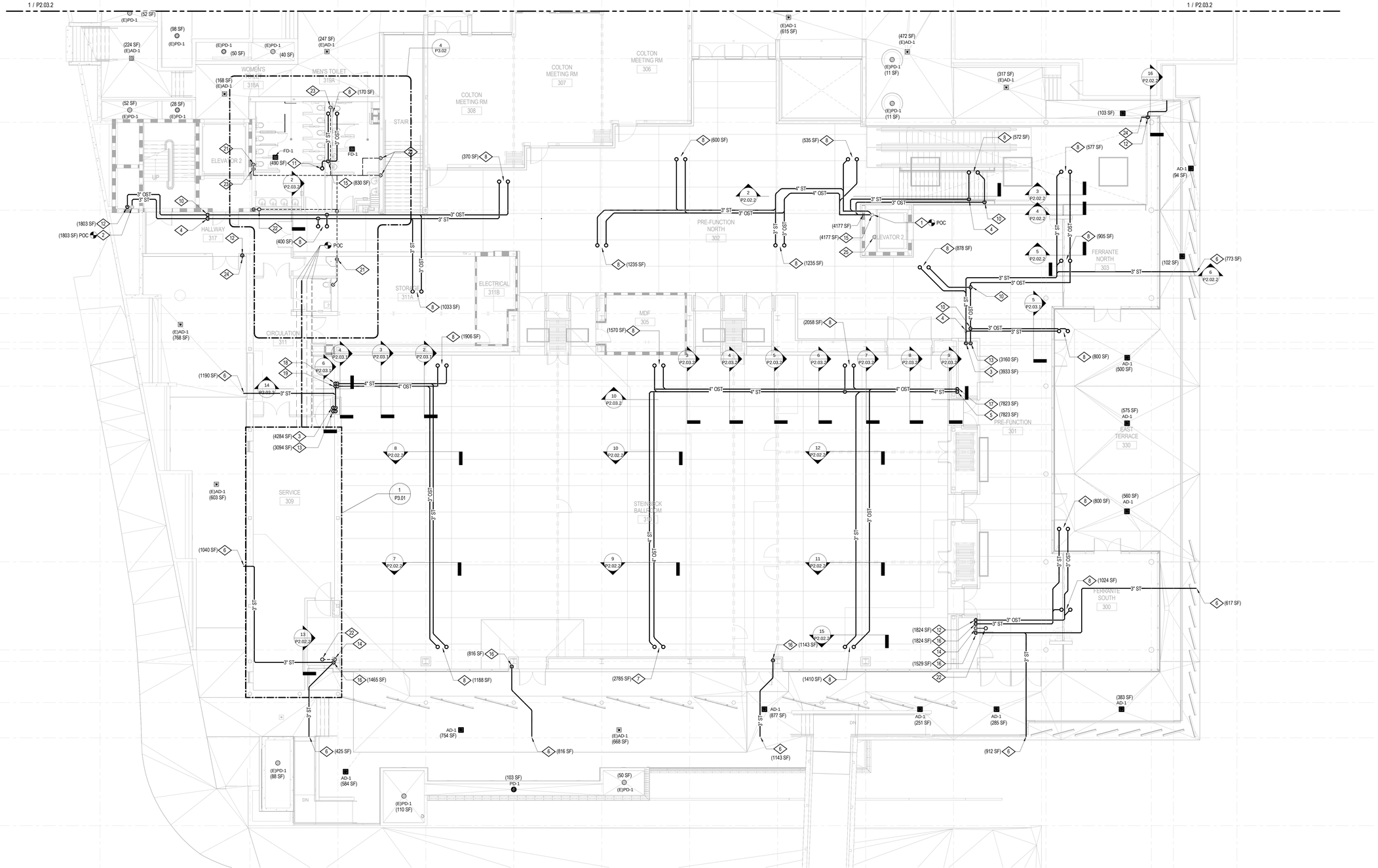
NUMBERED NOTES:

1. (E)6"ST DN.
2. 3"ST DROP CONNECTING TO (E)3" ST RISER
3. 4"ST DN
4. 3"ST DROP
5. 6"ST DN
6. 3"ST FROM SCUPPER DRAIN
7. 4"ST & 4"OST UP FROM 4"RD-1 & 4"OFD-1
8. 3"ST & 3"OST UP FROM 3"RD-1 & 3"OFD-1
9. 3"ST UP FROM 3"RD-1
10. 3"OST DROP
11. 3"ST UP FROM (E)ROOF DRAIN
12. 3"OST DN
13. 4"OST DN
14. 4"V DN
15. COMBINED ST & OST
16. 3" ST DN
17. 6"OST DN
18. 4" ST DROP
19. 4"OST DROP
20. (E)4"SAN FROM BELOW
21. 2"V DROP
22. 4"V UP
23. 3"V DROP
24. 3"OST TERMINATE EXTERIOR WALL ABOVE GRADE AND VISIBLE.
25. (E)3"V RISER

SHEET NOTES:

A. REMOVE (E)AD, (E)PD AS REQUIRED TO INSTALL WATERPROOFING MEMBRANE CLEAN AND REFURBISH AD & PD AS REQUIRED AND REINSTALL THE WATER PROOFING WORK IS COMPLETE.

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 LEVEL 2 - PLUMBING PLAN
1/8" = 1'-0"

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ONE PORTOLA PLAZA

CITY OF MONTEREY
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580 PACIFIC STREET, MONTEREY, CA 93940
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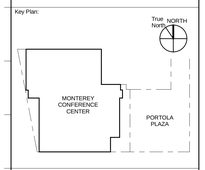
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	BID SET	26 AUG 2015

Key Plan:



Seal & Signature:

REGISTERED PROFESSIONAL ENGINEER
JOEL THOMAS
No. M35886
MECHANICAL
STATE OF CALIFORNIA

Sheet Name:

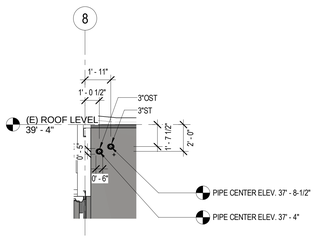
PLUMBING PLAN - LEVEL 02 - SOUTH

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Drawn By: Author
Checked By: Checker
Scale: As indicated

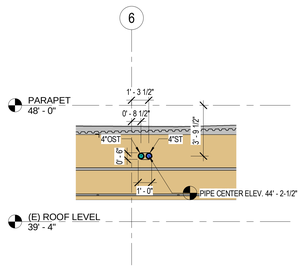
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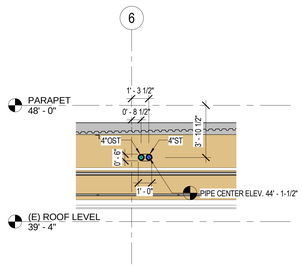
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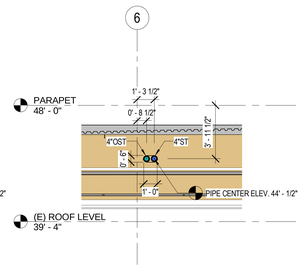
2 ST & OST Section 6
1/4" = 1'-0"



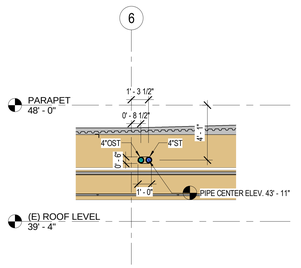
3 ST & OST Section 7
1/4" = 1'-0"



4 ST & OST Section 8
1/4" = 1'-0"



5 ST & OST Section 9
1/4" = 1'-0"



6 ST & OST Section 10
1/4" = 1'-0"

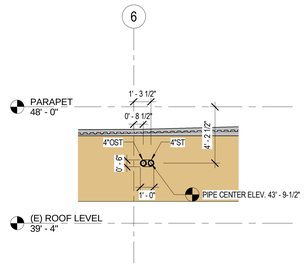
NUMBERED NOTES:

1. FROM 3"RD-1 & 3"OD-1
2. 3"ST DN
3. 4"ST DN
4. 3"ST DROP
5. 3"OST DROP
6. 3"ST & 3"OST UP FROM 3"RD-1 & 3"OFD-1
7. 3"ST UP FROM (E)ROOF DRAIN
8. COMBINED STORM DRAIN RISER
9. 3"OST DN
10. 3"ST DROP CONNECTING TO (E)3" ST RISER
11. 2"V DROP
12. 3"OST TERMINATE EXTERIOR WALL ABOVE GRADE AND VISIBLE.

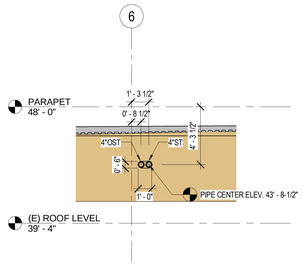
SHEET NOTES:

A. REMOVE (E)AD, (E)PD AS REQUIRED TO INSTALL WATERPROOFING MEMBRANE CLEAN AND REFURBISH AD & PD AS REQUIRED AND REINSTALL THE WATER PROOFING WORK IS COMPLETE.

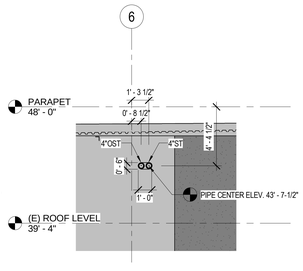
B. PRIOR TO DRILLING OR CORING INTO ANY EXISTING TO REMAIN CONCRETE, EXISTING REBAR AND PT TENDONS SHALL BE LOCATED BY SCANNING. SUBMIT SHOP DRAWINGS SHOWING THE COORDINATED LOCATIONS OF OPENINGS AND ANCHORS TO AVOID DAMAGING EXISTING REBAR AND PT TENDONS. CORING OF POST-TENSION CONCRETE WILL NOT BE 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.



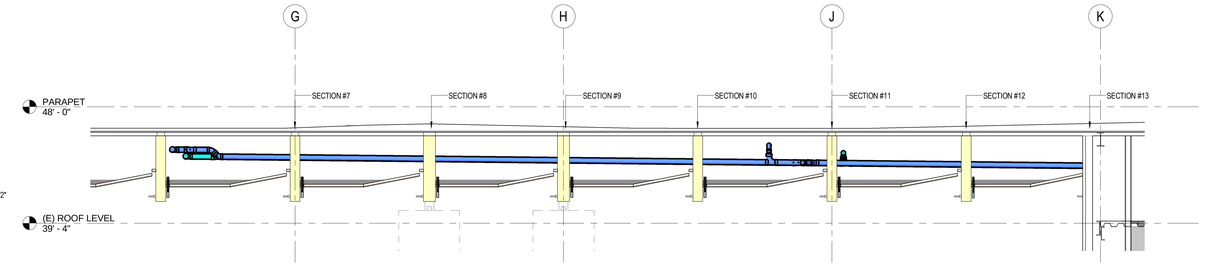
7 ST & OST Section 11
1/4" = 1'-0"



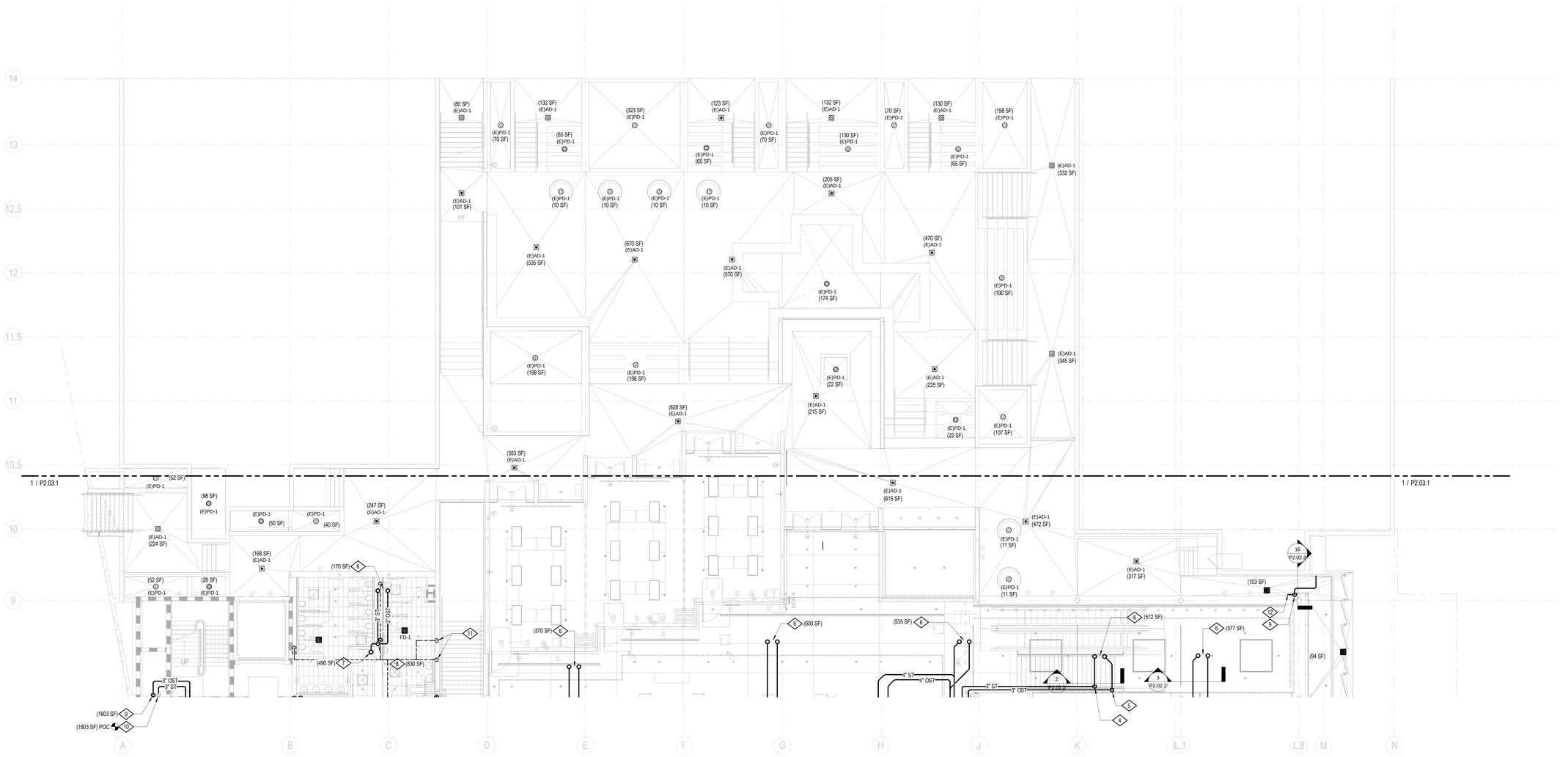
8 ST & OST Section 12
1/4" = 1'-0"



9 ST & OST Section 13
1/4" = 1'-0"



10 ST & OST Section 14
1/4" = 1'-0"



1 LEVEL 2 - PLUMBING PLAN
1/8" = 1'-0"

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL

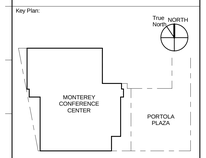
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TEL: (831) 646-5601

Architect:
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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 02 - NORTH

Project No.:	Sheet No.:
Project Number	P2.03.2
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Checked By: Checker	
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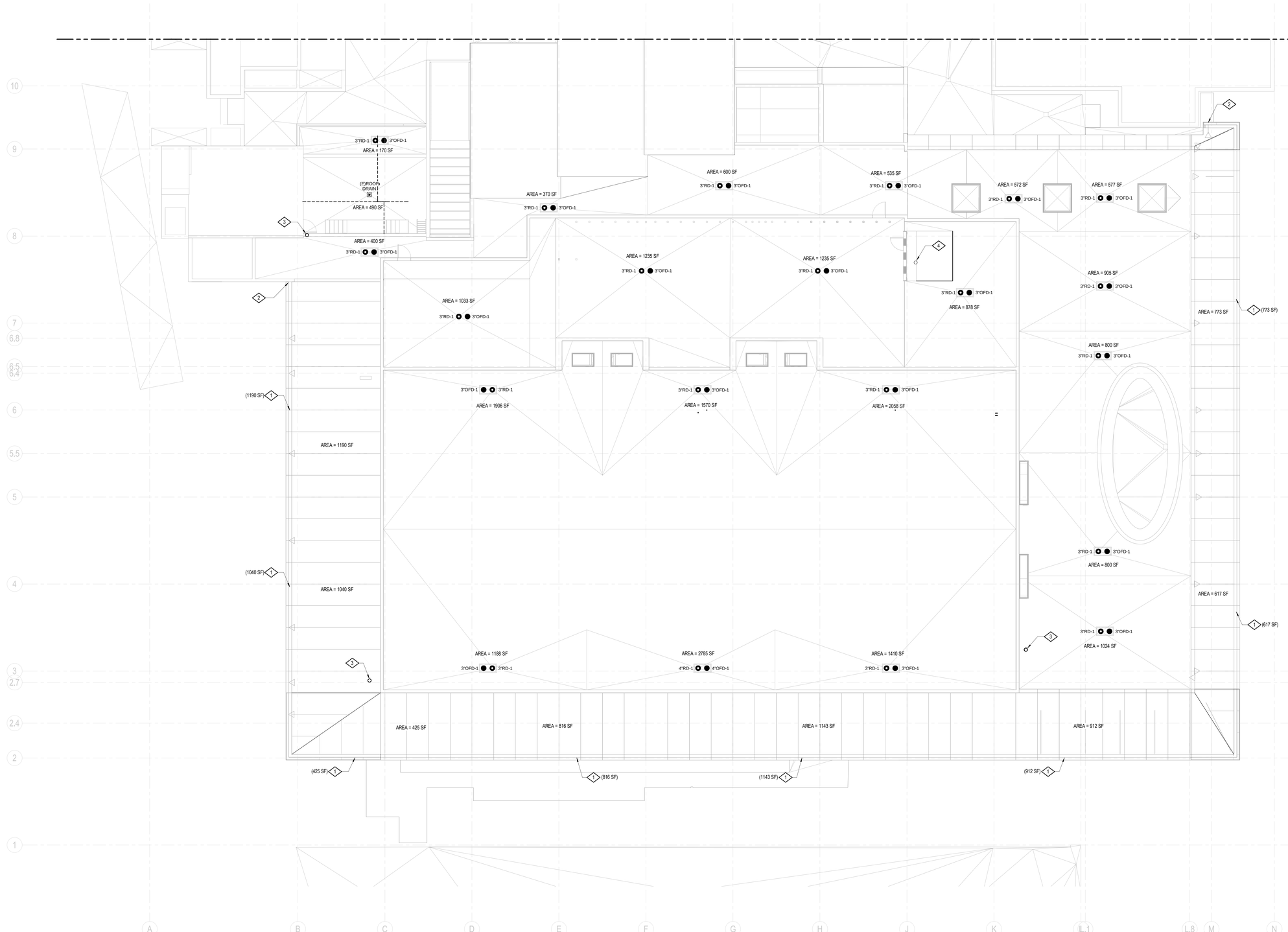
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NUMBERED NOTES:

1. 3" SCUPPER DRAIN.
2. 3"OVERFLOW DRAIN
3. 4"V THRU ROOF
4. 3"V THRU ROOF

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

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ONE PORTOLA PLAZA

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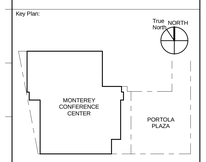
Architect:
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Key Plan:



Seal & Signature:

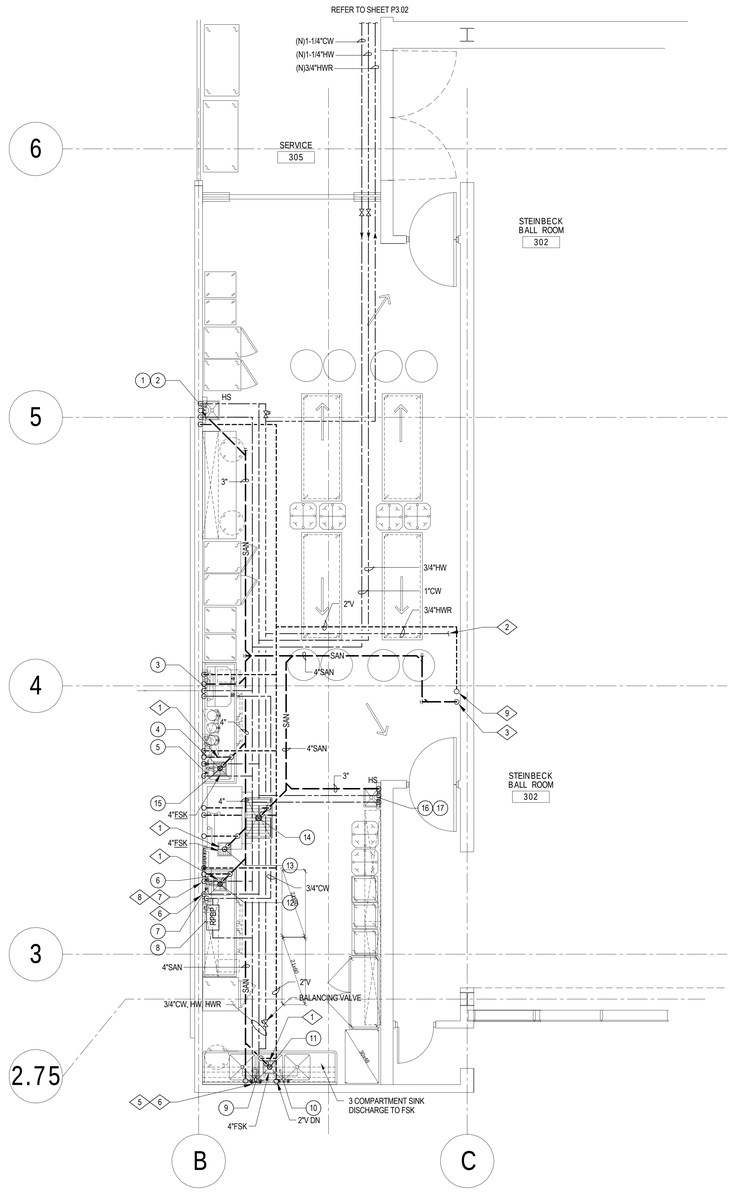
REGISTERED PROFESSIONAL ENGINEER
JOJI THOMAS
No. M35886
MECHANICAL
STATE OF CALIFORNIA

Sheet Name:

PLUMBING PLAN - ROOF LEVEL

Project No.: Project Number	Sheet No.: P2.04
Drawn By: Author	
Checked By: Checker	
Scale: 1/8" = 1'-0"	

8/4/2015 8:51:47 AM



1 PLUMBING ENLARGED PLAN - STEINBECK CATERING
1/4" = 1'-0"

NUMBERED NOTES:

1. TRAP PRIMER.
2. CONNECT TO (E) SAN, CW, HW & HWR FOR CONTINUATION REFER TO P2.03.1
3. 4"SAN DN.
4. 2-1/2"V UP.
5. 1/2"CW DN.
6. 1/2"HW DN.
7. 3/4"CW DN.
8. 3/4"HW DN.
9. 2-1/2"V UP.

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.

PLUMBING SCHEDULE

ROUGH-IN CONNECTION					SERVICE		
MARK	DESCRIPTION	SIZE	HT.	LOCATION	ITEM	DESCRIPTION	REMARKS
1	H&C WATER	1/2"	24"	WALL	105	FAUCET	
2	WASTE	1-1/2"	18"	WALL	105	HAND SINK	
3	COLD WATER	1/2"	18"	WALL	116, 117	WATER FILTER TO COFFEE BREWER	BACKFLOW PREVENTION DEVICE REQUIRED
4	COLD WATER	1/2"	18"	WALL	125, 127	WATER FILTER TO FAUCET	
5	HOT WATER	1/2"	18"	WALL	127	FAUCET	
6	COLD WATER	3/4"	66"	WALL	128, 130	WATER FILTER TO ICE MACHINE	BACKFLOW PREVENTION DEVICE REQUIRED
7	HOT WATER	1/2"	18"	WALL	127	FAUCET	
8	COLD WATER	1/2"	18"	WALL	125, 127	WATER FILTER TO FAUCET	
9	H&C WATER	1/2"	18"	WALL	134	FAUCET	
10	H&C WATER	1/2"	18"	WALL	134	FAUCET	
11	FLOOR SINK	12"	0"	FLOOR	134	POT WASH SINK	PROVIDE ABOVE FLOOR HYDRO MECHANICAL GREASE INTERCEPTOR JOSSAM SERIES 60108H-GRD
12	FLOOR SINK	12"	0"	FLOOR	131	ICING SINK	
13	FLOOR SINK	12"	0"	FLOOR	128	ICE MAKER AND BIN	
14	FLOOR DEPRESSION	24"x36"	-4"	FLOOR	129	FLOOR SUMP WITH DRAIN	
15	FLOOR SINK	12"	0"	FLOOR	126	ICING SINK	
16	H&C WATER	1/2"	24"	WALL	105	FAUCET	
17	WASTE	1-1/2"	18"	WALL	105	HAND SINK	

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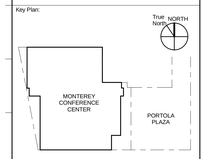
Architect:
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Key Plan:



Seal & Signature:

REGISTERED PROFESSIONAL ENGINEER
JOEL THOMAS
No. M35886
MECHANICAL
STATE OF CALIFORNIA

Sheet Name:

PLUMBING
STEINBECK
CATERING
ENLARGED PLAN

Project No.: Project Number
Drawn By: Author
Checked By: Checker
Scale: 1/4" = 1'-0"

Sheet No.: P3.01

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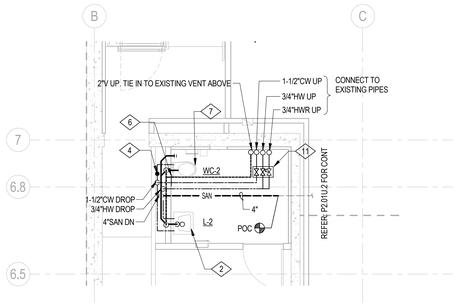
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NUMBERED NOTES:

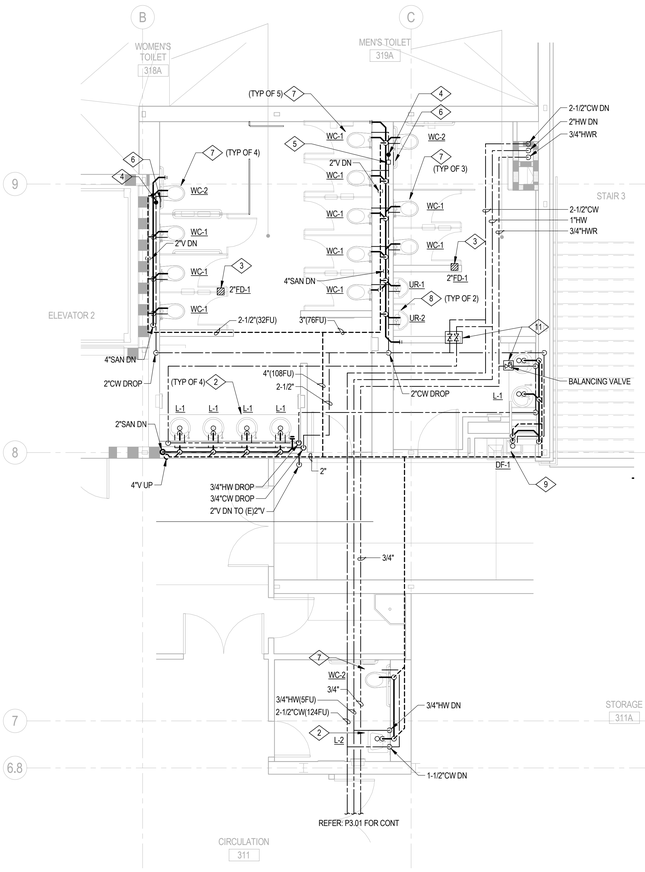
1. MOP SINK, 3"SAN DN, 2"V, ½"HW & CW CONNECTIONS
2. LAVATORY, 2"SAN, 2"V, ½"HW & CW CONNECTIONS
3. FLOOR DRAIN, 2"SAN DN, 2"V, ½"TP CONNECTION. PROVIDE TRAP PRIMER TO ALL FDs
4. SHOCK ARRESTOR.
5. TRAP PRIMER VALVE, ½"CW CONNETION.
6. WALL ACCESS PANEL.
7. WATER CLOSET, 4"SAN, 2"V, 1-1/2"CW CONNECTION.
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

SHEET NOTES:

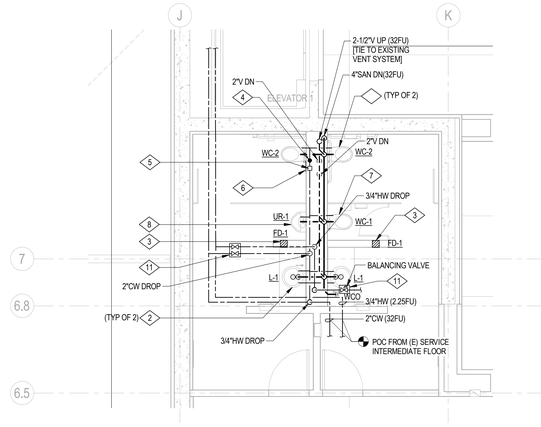
A. REPLACE ALL EXISTING SPRINKLER HEADS WITH NEW SPRINKLER HEADS. REFER TO LATEST REFLECTED CEILING PLANS FOR NEW SPRINKLER HEAD LOCATIONS AND SPECIFICATION SECTION 211319 2.5 B FOR SPRINKLER HEAD FINISHES. USE QUICK RESPONSE EXTENDED COVERAGE ORDINARY HAZARD EXTRA-LARGE ORIFICE SPRINKLERS SIMILAR TO VIKING SIN VK 532 AND VIKING SIN VK 534 IN AUTOMOBILE DISPLAY AREAS.



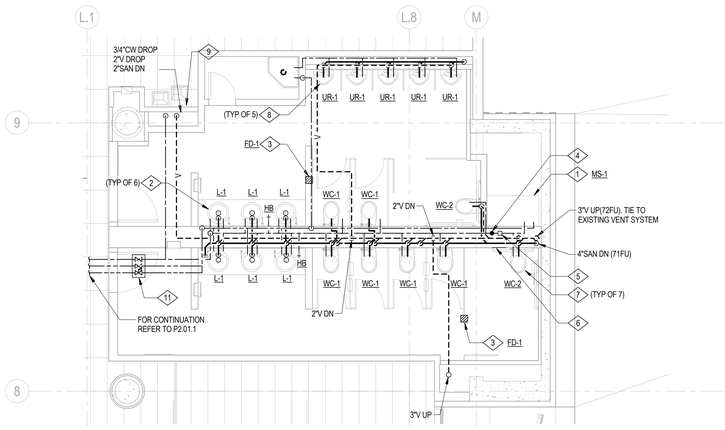
5 LEVEL 1 - ENLARGED PLUMBING PLAN - TOILET ROOM 1 - SOUTH
1/4" = 1'-0"



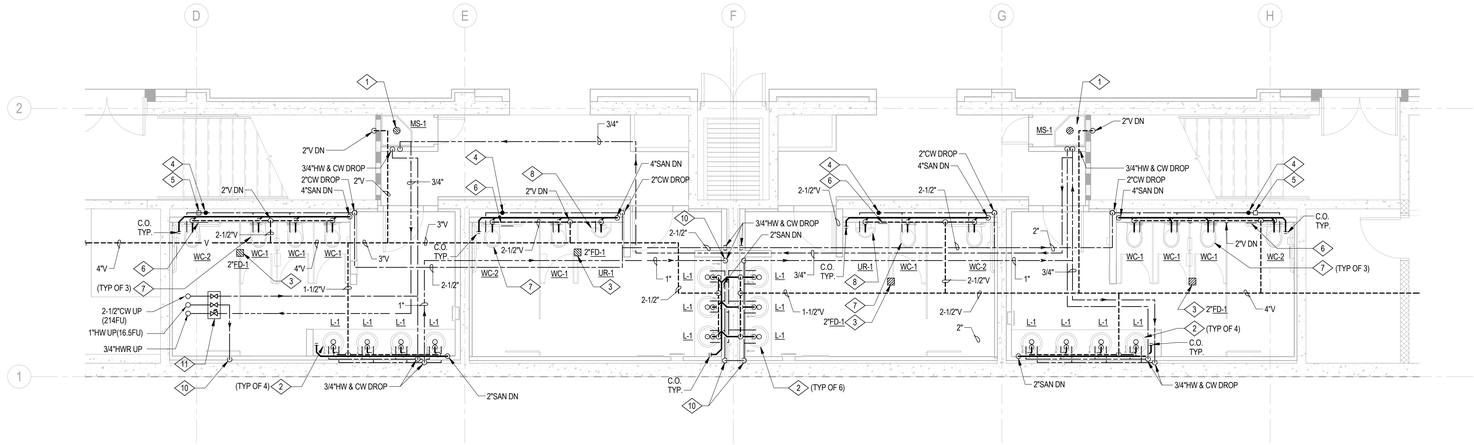
4 LEVEL 2 - ENLARGED PLUMBING PLAN - RESTROOM & TOILET ROOM - SOUTH
1/4" = 1'-0"



3 MEZZANINE LEVEL- ENLARGED PLUMBING PLAN -RESTROOM - SOUTH
1/4" = 1'-0"



2 LEVEL 1 - ENLARGED PLUMBING PLAN - RESTROOM - NORTH
1/4" = 1'-0"



1 LEVEL 1 - ENLARGED PLUMBING PLAN - RESTROOM - SOUTH
1/4" = 1'-0"

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ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL

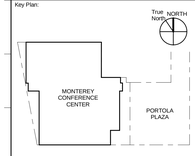
580 PACIFIC STREET, MONTEREY, CA 93940
TEL: (831) 646-5601

Architect:
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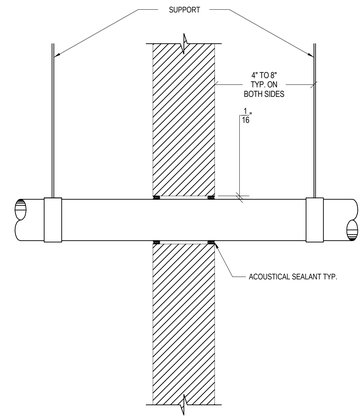
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	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015

Key Plan:


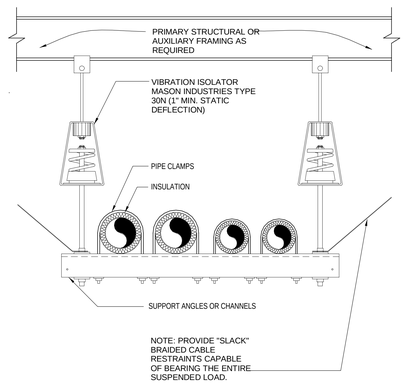
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REGISTERED PROFESSIONAL ENGINEER JOEL THOMAS MECHANICAL STATE OF CALIFORNIA
No. M35886

Sheet Name:
PLUMBING ENLARGED PLANS

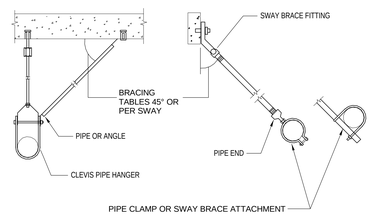
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Project Number	P3.02
Drawn By: Author	
Checked By: Checker	
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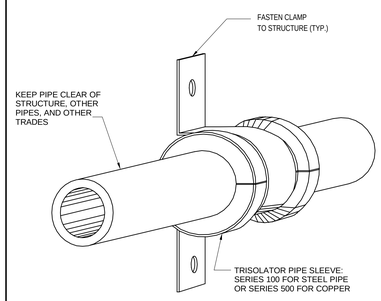
7 TYPICAL PIPE PENETRATION THROUGH SOUND-RATED CONSTRUCTION — NO SCALE



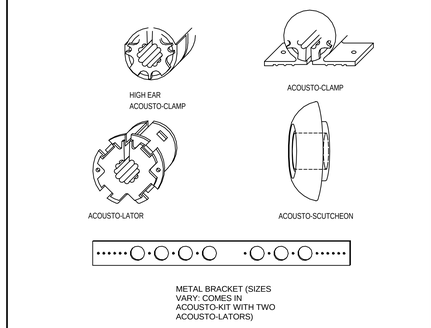
4 TRAPEZE PIPING OR EQUIPMENT SUPPORT — NO SCALE



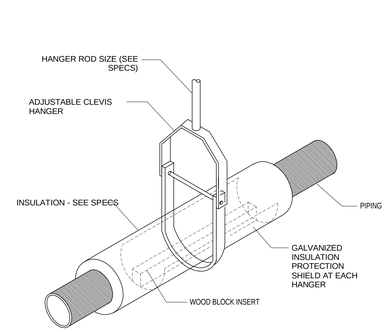
8 SWAY BRACING DETAIL — NO SCALE



5 ATTACHMENT OF PLUMBING PIPES GREATER THAN 1~4" DIAMETER — NO SCALE



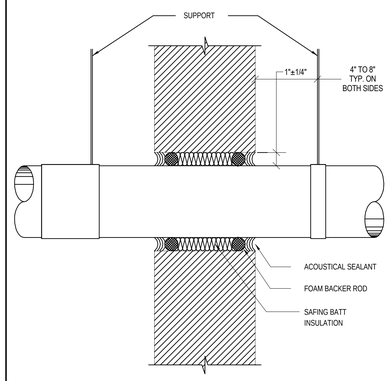
2 ACOUSTO - PLUMBING SYSTEM COMPONENTS — NO SCALE



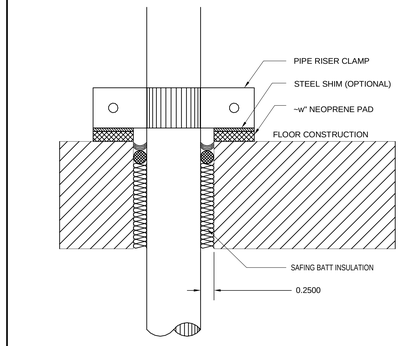
NOTE:

1. SEE STRUCTURAL DRAWINGS FOR HANGER ROD CONNECTION TO STRUCTURE

9 PIPE HANGER AND INSULATION DETAIL — NO SCALE



6 TYPICAL PIPE PENETRATION THROUGH SOUND-RATED CONSTRUCTION — NO SCALE



3 PIPE ISOLATION AT FLOOR FOR WASTE PIPES AND RAIN LEADERS — NO SCALE

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CITY OF MONTEREY
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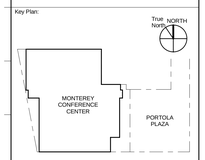
Architect:
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Key Plan:



Seal & Signature:

REGISTERED PROFESSIONAL ENGINEER
JOEL THOMAS
No. M35886
MECHANICAL
STATE OF CALIFORNIA

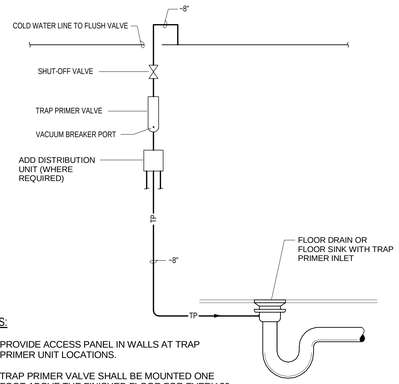
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PLUMBING DETAILS

Project No.:	Sheet No.:
Project Number	P5.01
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Checked By: Checker	
Scale: NTS	

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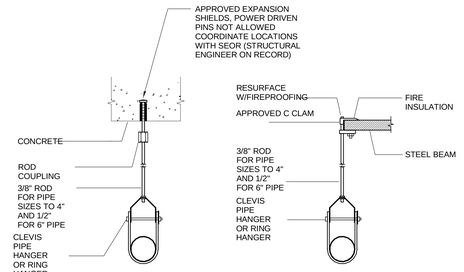
2/4/2015 8:23:01 AM



NOTES:

1. PROVIDE ACCESS PANEL IN WALLS AT TRAP PRIMER UNIT LOCATIONS.
2. TRAP PRIMER VALVE SHALL BE MOUNTED ONE FOOT ABOVE THE FINISHED FLOOR FOR EVERY 20 FEET OF PRIMER LINE.
3. INSTALL TRAP PRIMER PIPING AND UNIT PER MANUFACTURER'S RECOMMENDATIONS. PIPING MUST SLOPE TO POINT OF CONNECTION TO DRAIN WITHOUT TRAPS IN PIPING

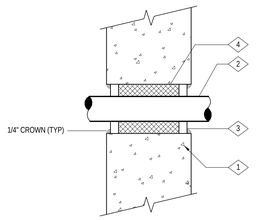
3 TRAP PRIMER PIPING DETAILS — NO SCALE



NOTE:

1. ALL C CLAMPS SHALL HAVE A RETAINING STRAP.

2 PIPE HUNGER DETAIL — NO SCALE



NUMBERED NOTES

1. CONCRETE OR CONCRETE BLOCK WALL
2. STEEL, IRON OR COPPER PIPE (UNINSULATED)
3. SPEC SEAL OR EQUAL PUTTY INSTALLED TO A DEPTH OF 3/4"
4. FIBERGLASS FORMING MATERIAL PACKED INTO WALL CAVITY

SHEET NOTE

1. SYSTEM SHALL MEET REQUIREMENTS OF ASTM E814 (UL1479) AND UL SYSTEM WJ 1020

1 PENETRATION FIRESTOP (2 HOURS) — NO SCALE

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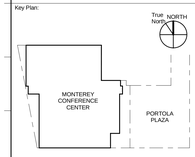
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REGISTERED PROFESSIONAL ENGINEER
JOJI TROWBRIDGE
No. M35886
MECHANICAL
STATE OF CALIFORNIA

Sheet Name:

PLUMBING DETAILS

Project No.:	Sheet No.:
Project Number	P5.02
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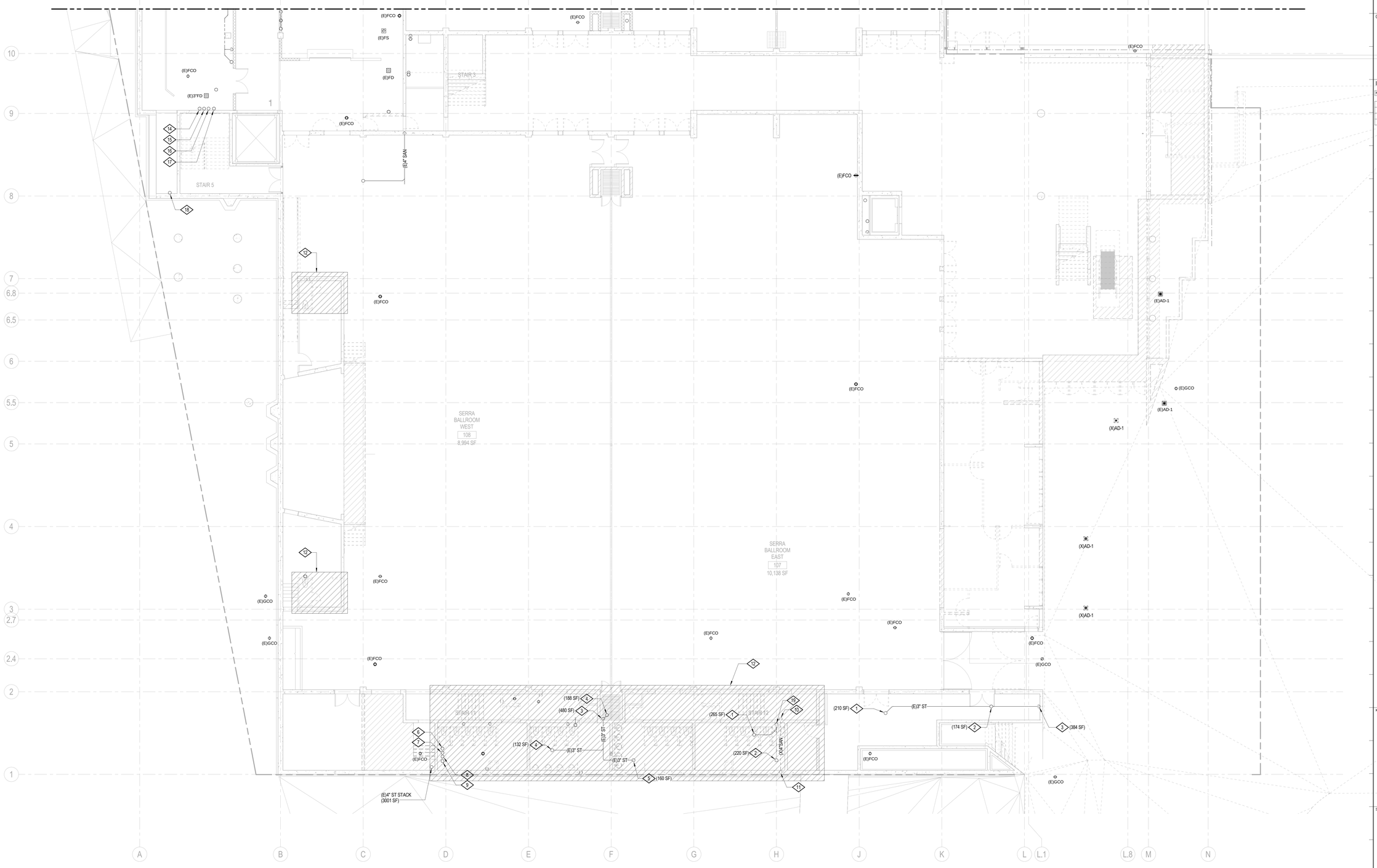
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CAO Initial

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"IW FROM ABOVE
10. (X)4"SAN UP
11. (X)6"SAN DN
12. DEMOLISH ALL PLUMBING FIXTURES, CW, HW, SAN & VENT PIPING. ALL (E) PIPES IDENTIFIED WITH NUMBERED NOTE 1 TO 11 IN THE HATCHED AREA TO REMAIN.
13. (E)3/4"HB
14. (E)3"CW FROM ABOVE
15. (E)2"HW FROM ABOVE
16. (E)2-1/2"G FROM ABOVE
17. (E)1"HWR FROM ABOVE
18. (E)4"ST UP & DN
19. (X)4"ST DN

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 - SOUTH
1/8" = 1'-0"

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ONE PORTOLA PLAZA

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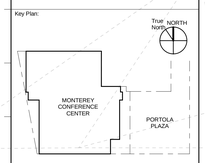
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STATE OF CALIFORNIA

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PLUMBING LEVEL 01 DEMOLITION PLAN - SOUTH

Project No.: Project Number	Sheet No.: PD2.01.1
Drawn By: Author	
Checked By: Checker	
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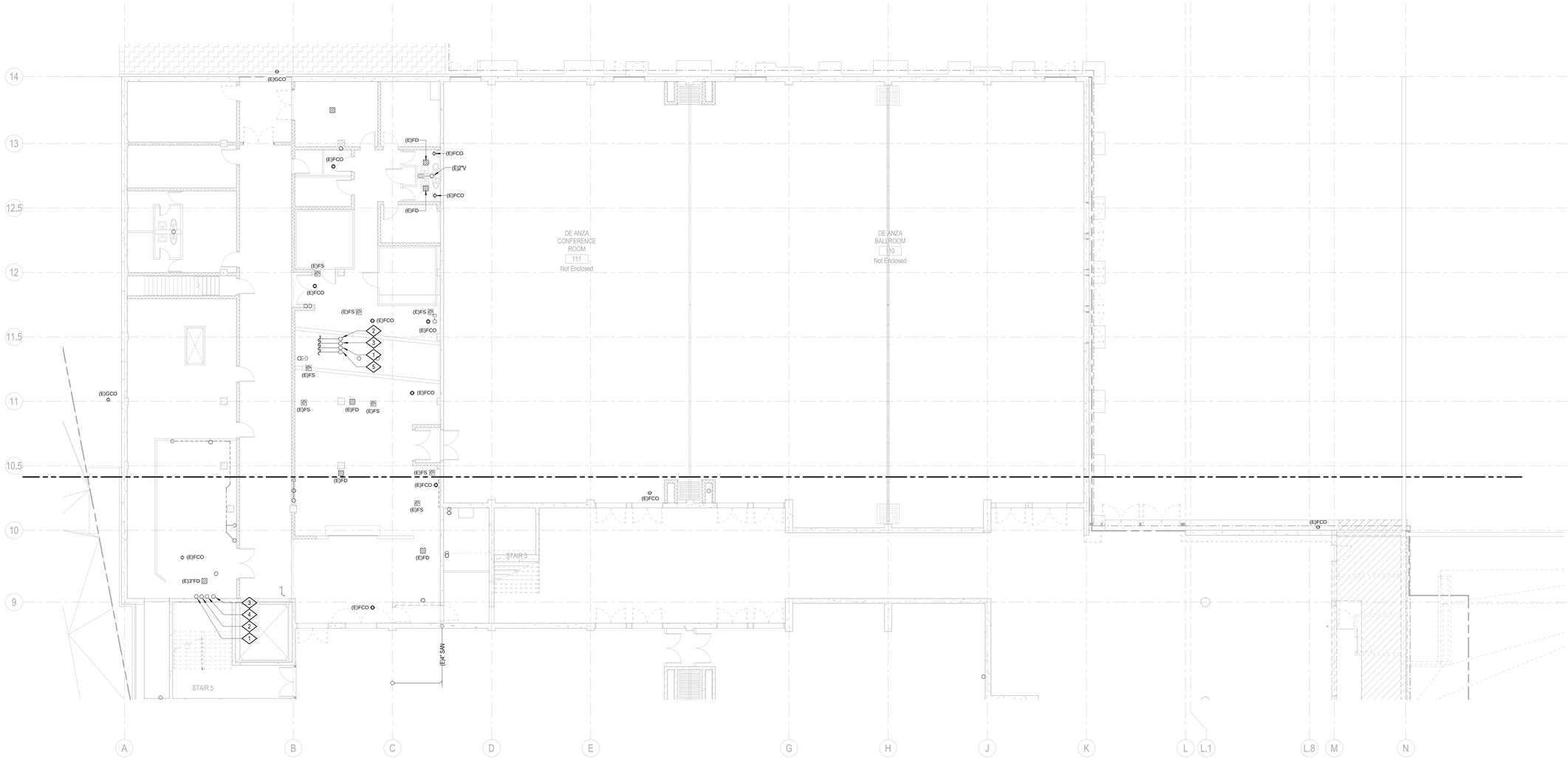
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NUMBERED NOTES:

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

SHEET NOTES:

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1 LEVEL 01 DEMOLITION PLAN - NORTH
1/8" = 1'-0"

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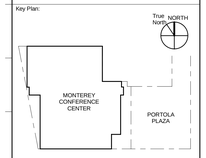
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PLUMBING LEVEL 01 DEMOLITION PLAN - NORTH

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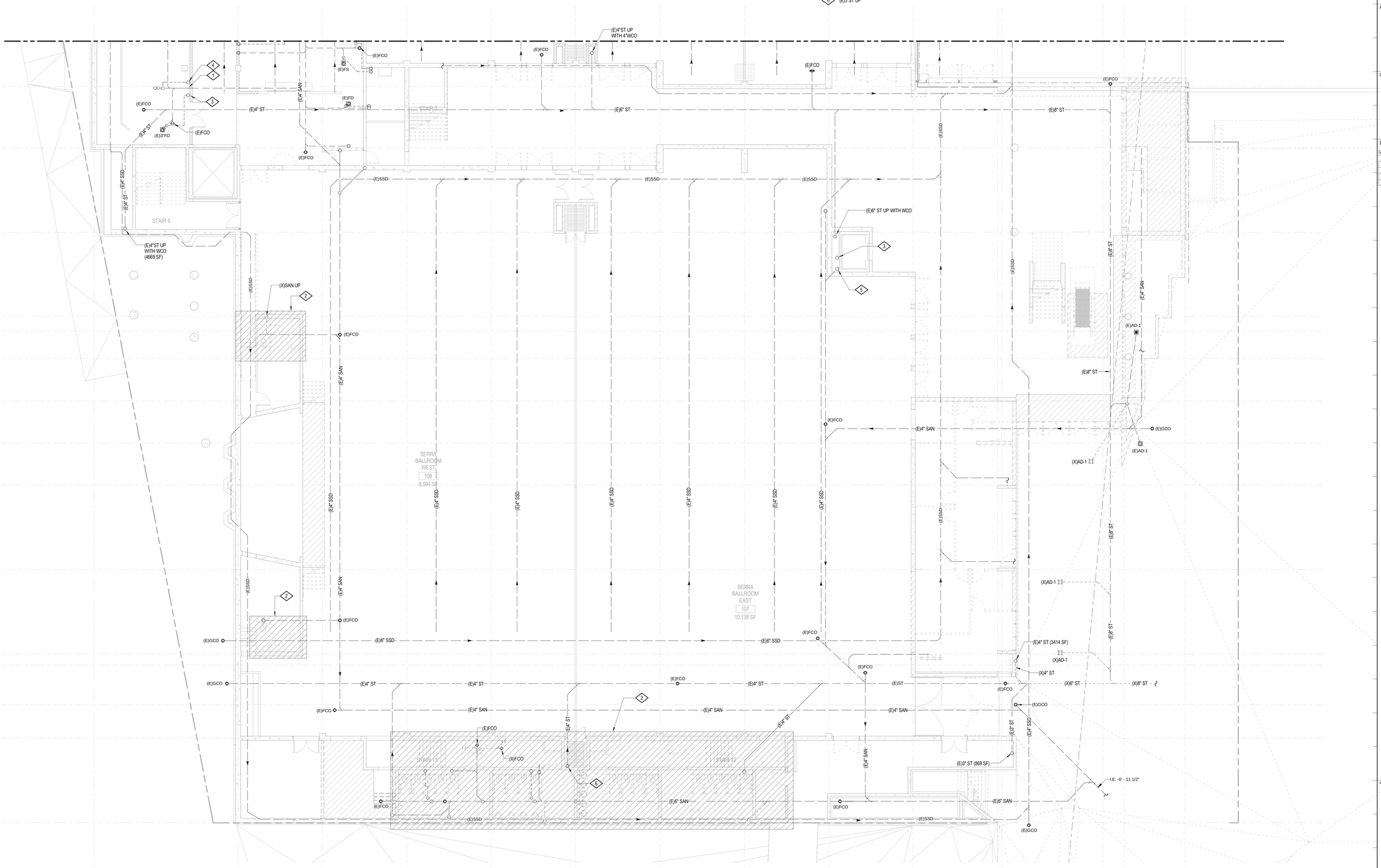
NUMBERED NOTES:

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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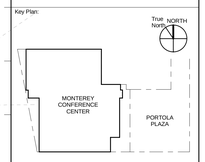
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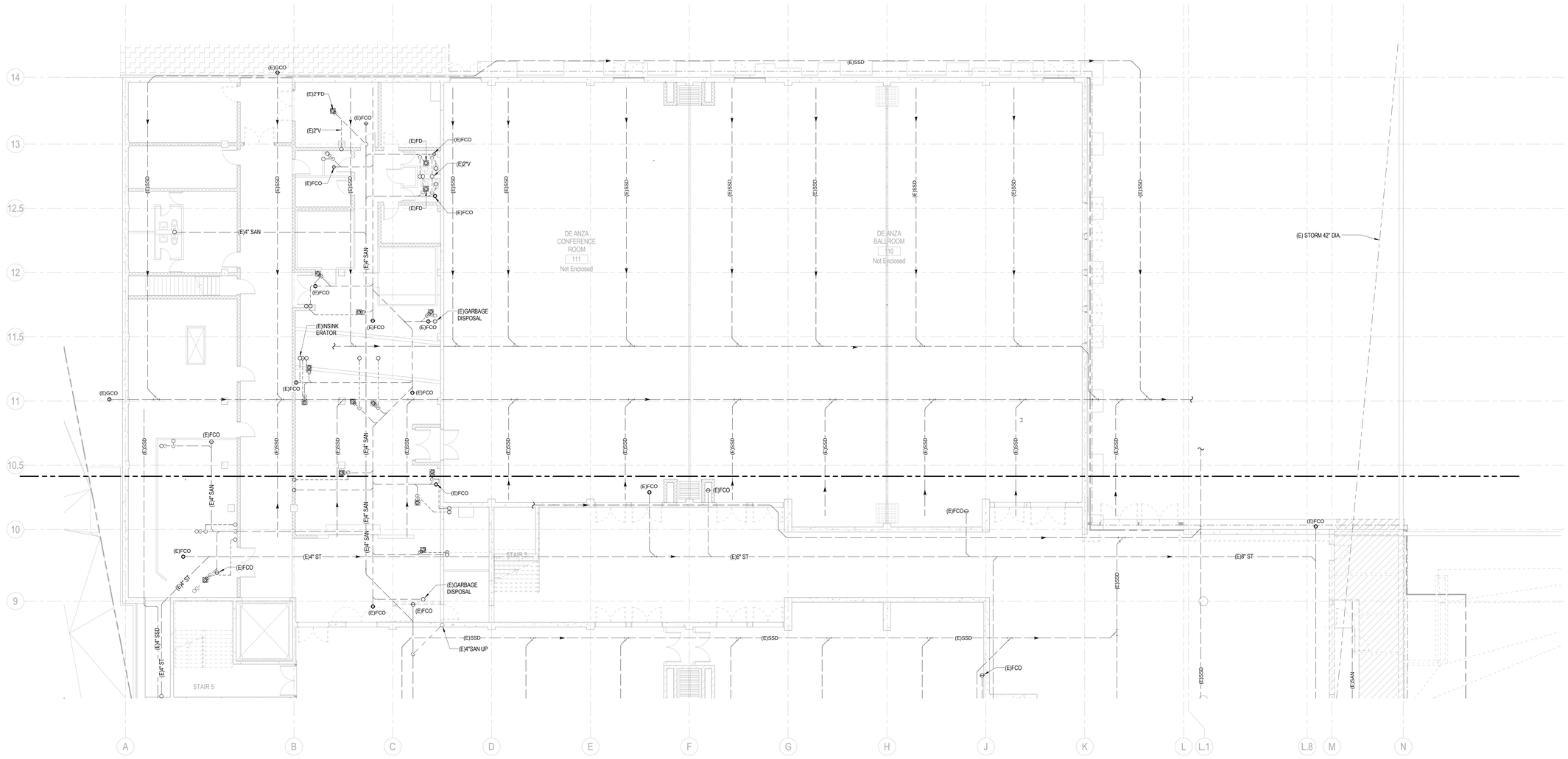
PLUMBING UNDERGROUND DEMOLITION PLAN - SOUTH

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Project Number	PD2.01U.1
Drawn By: Author	
Checked By: Checker	
Scale: 1/8" = 1'-0"	

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1 UNDERGROUND DEMOLITION PLAN - NORTH
1/8" = 1'-0"

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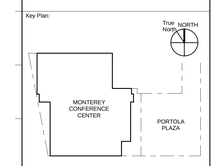
Architect:
SOM
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
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Key Plan:



Seal & Signature:

REGISTERED PROFESSIONAL ENGINEER
JOJI THOMAS
No. M35886
MECHANICAL
STATE OF CALIFORNIA

Sheet Name:

PLUMBING UNDERGROUND DEMOLITION PLAN - NORTH

Project No.:	Sheet No.:
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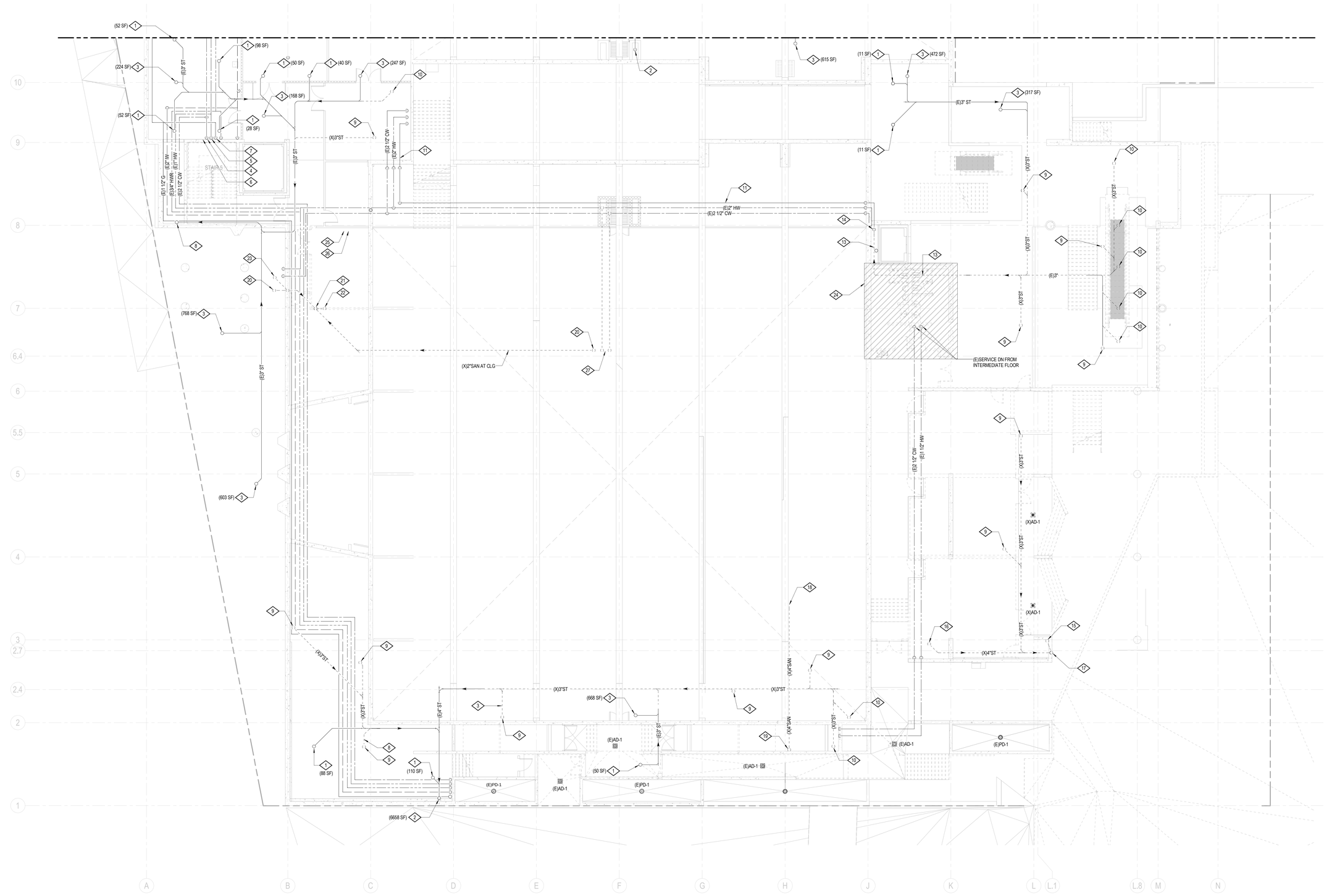
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CAO RISK

NUMBERED NOTES:

1. (E)3"ST UP FROM (E) PLANTER DRAIN
2. (E)4"ST DN
3. (E)3"ST UP FROM (E) AREA DRAIN
4. (E)3"CW DN
5. (E)2"HW DN
6. (E)1"HWR DN
7. (E)2-1/2"G DN
8. (E)3"ST UP & 4"ST DN
9. (X)3"ST UP FROM (E)AREA DRAIN
10. (X)3"ST UP FROM (E)PLANTER DRAIN
11. (E)1-1/4"G ABOVE CEILING
12. (X)3"ST DN
13. (X)4"ST
14. (E)6"ST DN
15. (X)4"ST UP FROM (E)PLANTER DRAIN
16. (X)4"ST UP FROM (E)AREA DRAIN
17. (X)4"ST DN
18. (X)4"SAN UP FROM RESTROOM
19. (X)4"SAN DN
20. (X)2"SAN UP
21. (X)2"SAN DN
22. (X)2"VTR
23. (X)1-1/2"V UP
24. DEMOLISH ALL PLUMBING FIXTURES. CW, HW, SAN & VENT PIPING.
25. (E)4"SAN
26. (E)2"V
27. (X)1/2"CW & HW AT CLG UP TO FORUM

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 MEZZANINE LEVEL DEMOLITION - 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:

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Consultants:

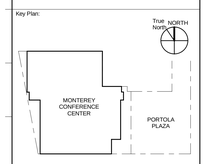
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JOEL THOMAS
No. M35886
MECHANICAL
STATE OF CALIFORNIA

Sheet Name:

PLUMBING MEZZANINE LEVEL DEMOLITION PLAN - SOUTH

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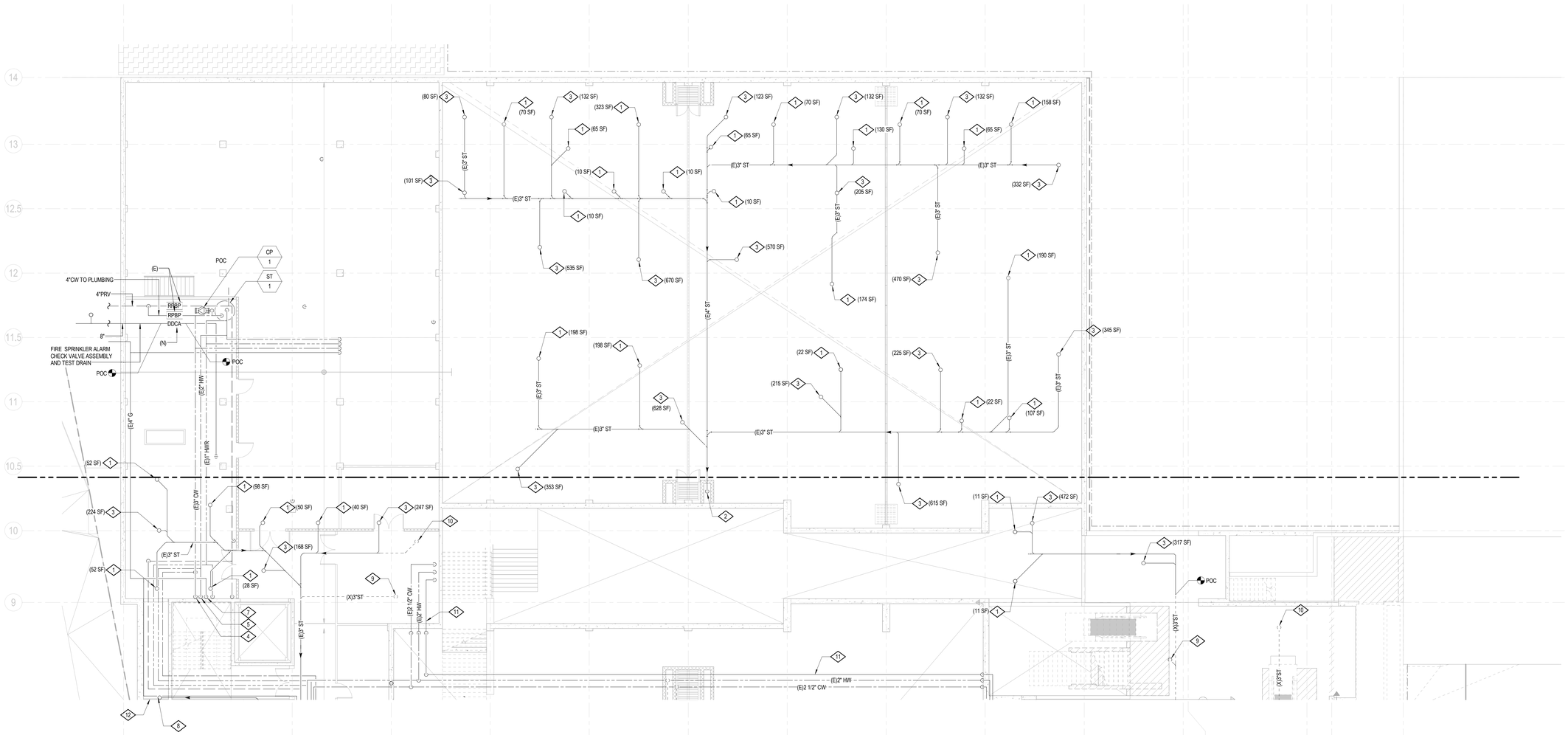
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NUMBERED NOTES:

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2. (E)4"ST DN
3. (E)3"ST UP FROM (E) AREA DRAIN
4. (E)3"CW DN
5. (E)2"HW DN
6. (E)1"HWR DN
7. (E)2-1/2"G DN
8. (X)3"ST
9. (X)3"ST UP FROM (E)AREA DRAIN
10. (X)3"ST UP FROM (E)PLANTER DRAIN
11. (E)1-1/4"G ABOVE CEILING
12. (X)3"ST DN

SHEET NOTES:

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1 MEZZANINE LEVEL DEMOLITION - NORTH
1/8" = 1'-0"

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ONE PORTOLA PLAZA

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CITY HALL

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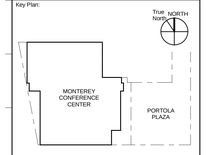
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JOEL THOMAS
No. M35886
MECHANICAL
STATE OF CALIFORNIA

Sheet Name:

PLUMBING
MEZZANINE
LEVEL
DEMOLITION
PLAN - NORTH

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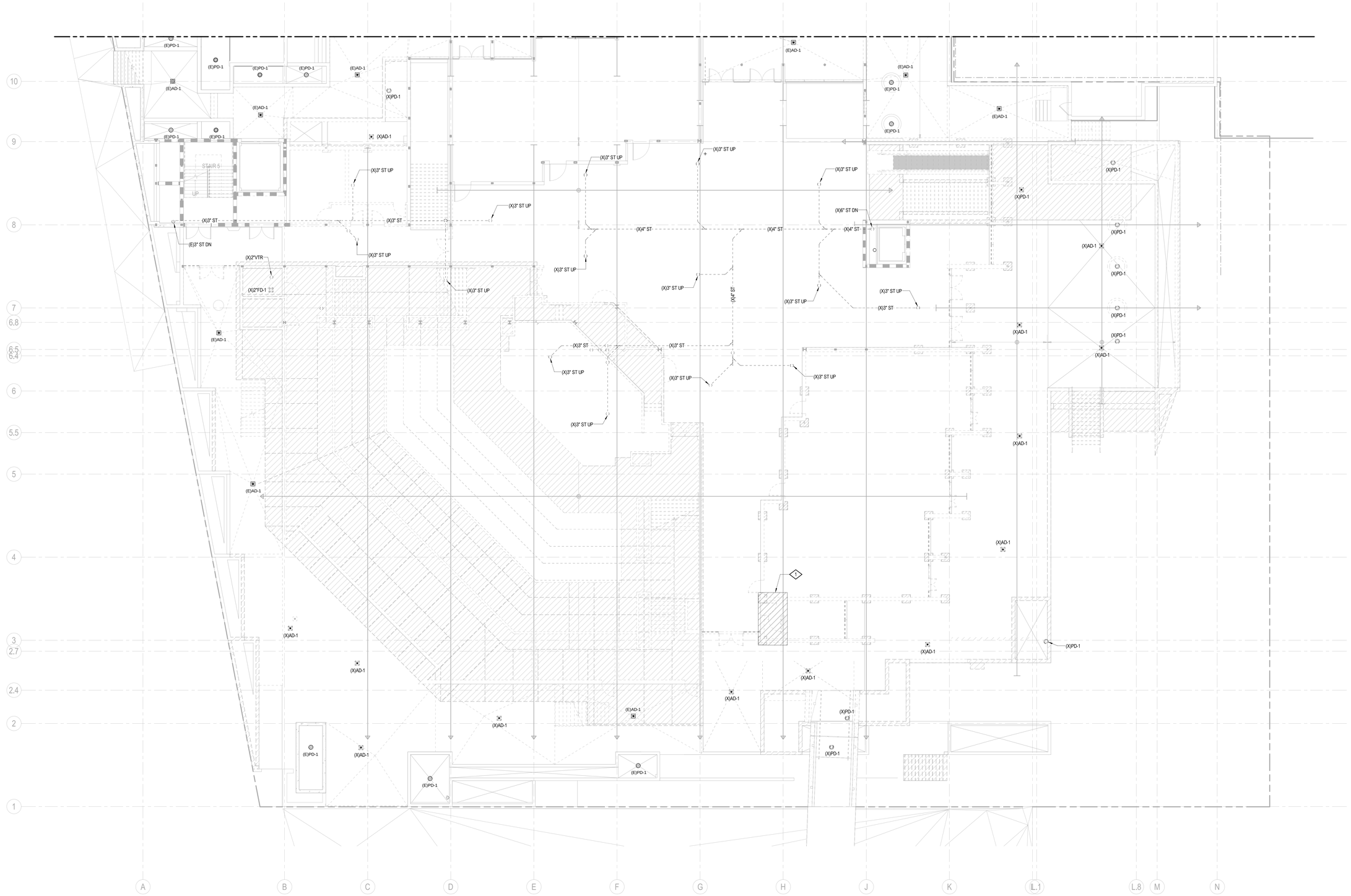
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NUMBERED NOTES:

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SHEET NOTES:

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1 LEVEL 02 DEMOLITION - SOUTH
1/8" = 1'-0"

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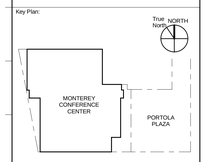
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JOJI THOMAS
No. M35886
MECHANICAL
STATE OF CALIFORNIA

Sheet Name:

PLUMBING LEVEL 02 DEMOLITION PLAN - SOUTH

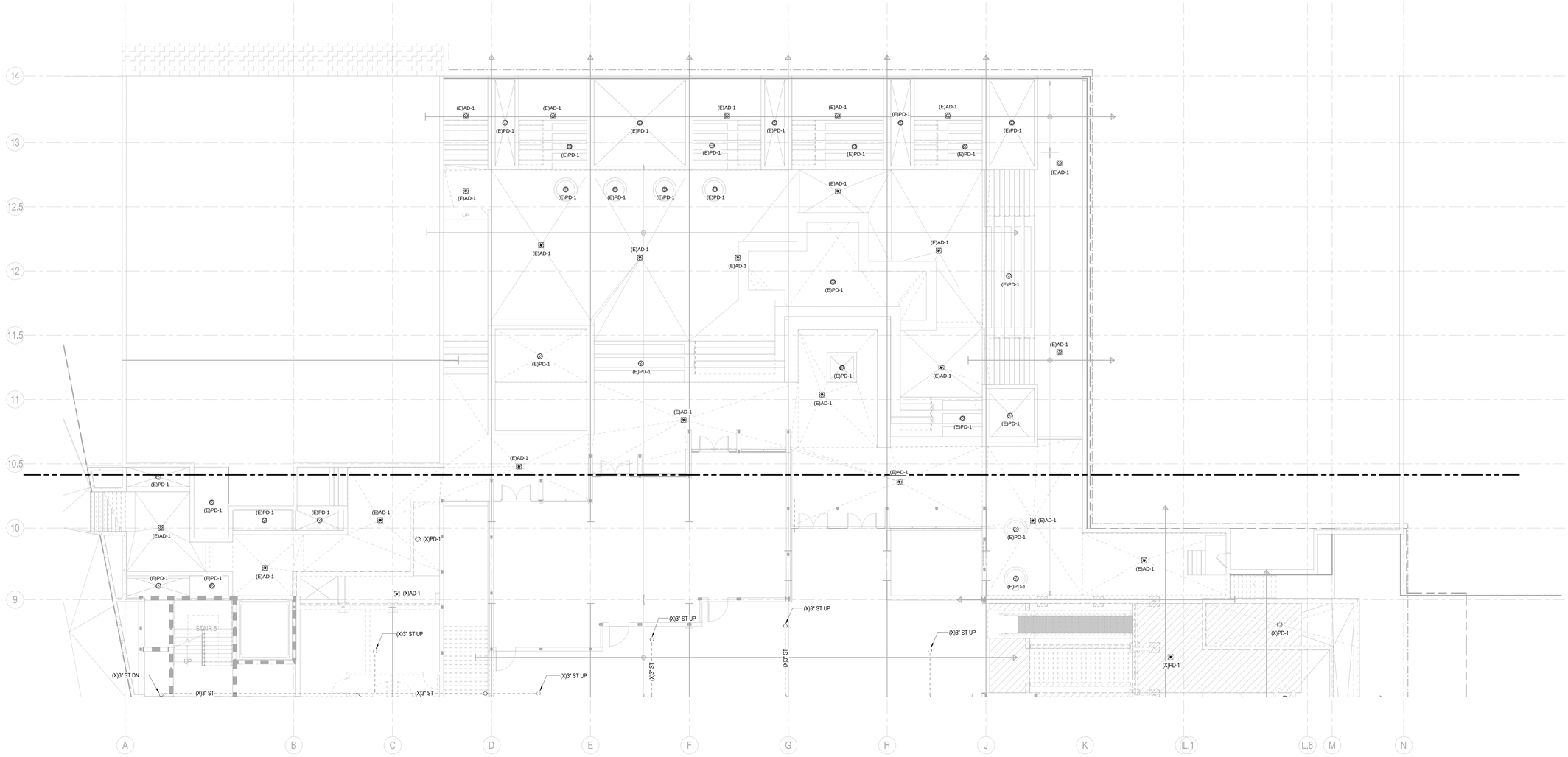
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1 LEVEL 02 DEMOLITION - NORTH
1/8" = 1'-0"

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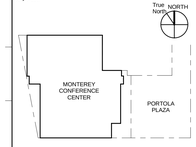
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PLUMBING LEVEL 02 DEMOLITION PLAN - NORTH

Project No.:	Sheet No.:
Project Number	PD2.03.2
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(E)ROOF DRAIN

(X)AD-1

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

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ONE PORTOLA PLAZA

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CITY HALL

580 PACIFIC STREET, MONTEREY, CA 93940
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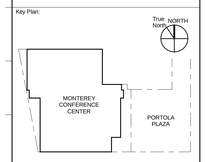
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REGISTERED PROFESSIONAL ENGINEER
JOJI THOMAS
No. M35886
MECHANICAL
STATE OF CALIFORNIA

Sheet Name:

PLUMBING ROOF LEVEL DEMOLITION PLAN

Project No.: Project Number	Sheet No.: PD2.04
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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
P	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.

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.

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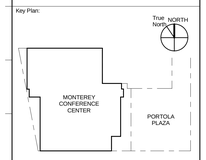
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FIRE PROTECTION LEGENDS & ABBREVIATIONS

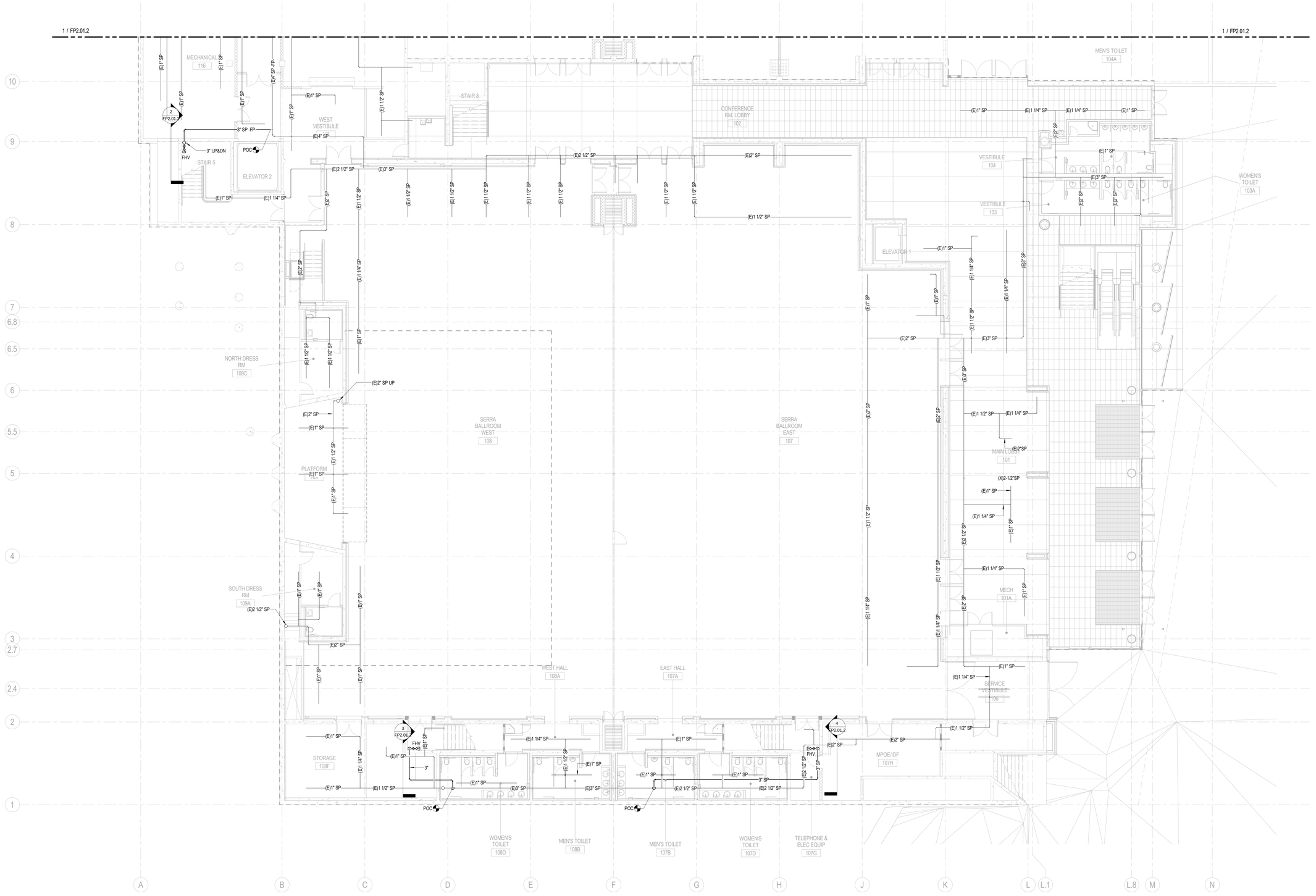
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SHEET NOTES:

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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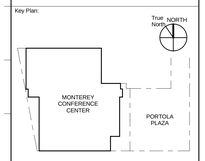
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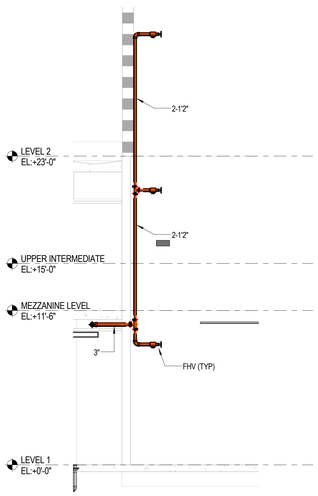

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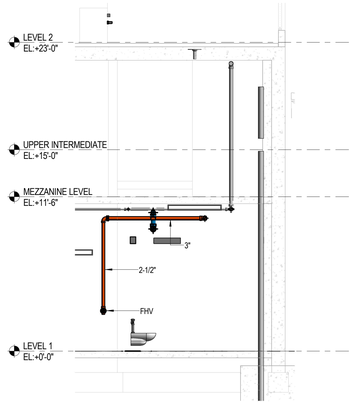
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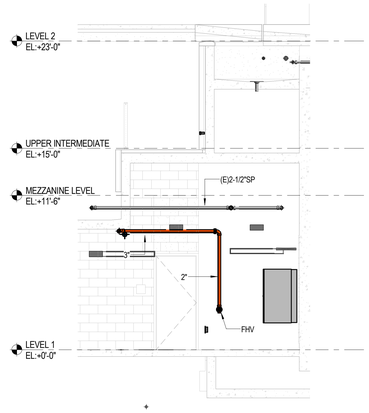
A. REPLACE ALL EXISTING SPRINKLER HEADS WITH NEW SPRINKLERS HEADS. REFER TO LATEST REFLECTED CEILING PLANS FOR NEW SPRINKLER HEAD LOCATIONS AND SPECIFICATION SECTION 211319 2.5 B FOR SPRINKLER HEAD FINISHES. USE QUICK RESPONSE EXTENDED COVERAGE ORDINARY HAZARD EXTRA-LARGE ORIFICE SPRINKLERS SIMILARS TO VIKING SIN 532 AND VIKING SIN VK 534 IN AUTOMOBILE DISPLAY AREAS.



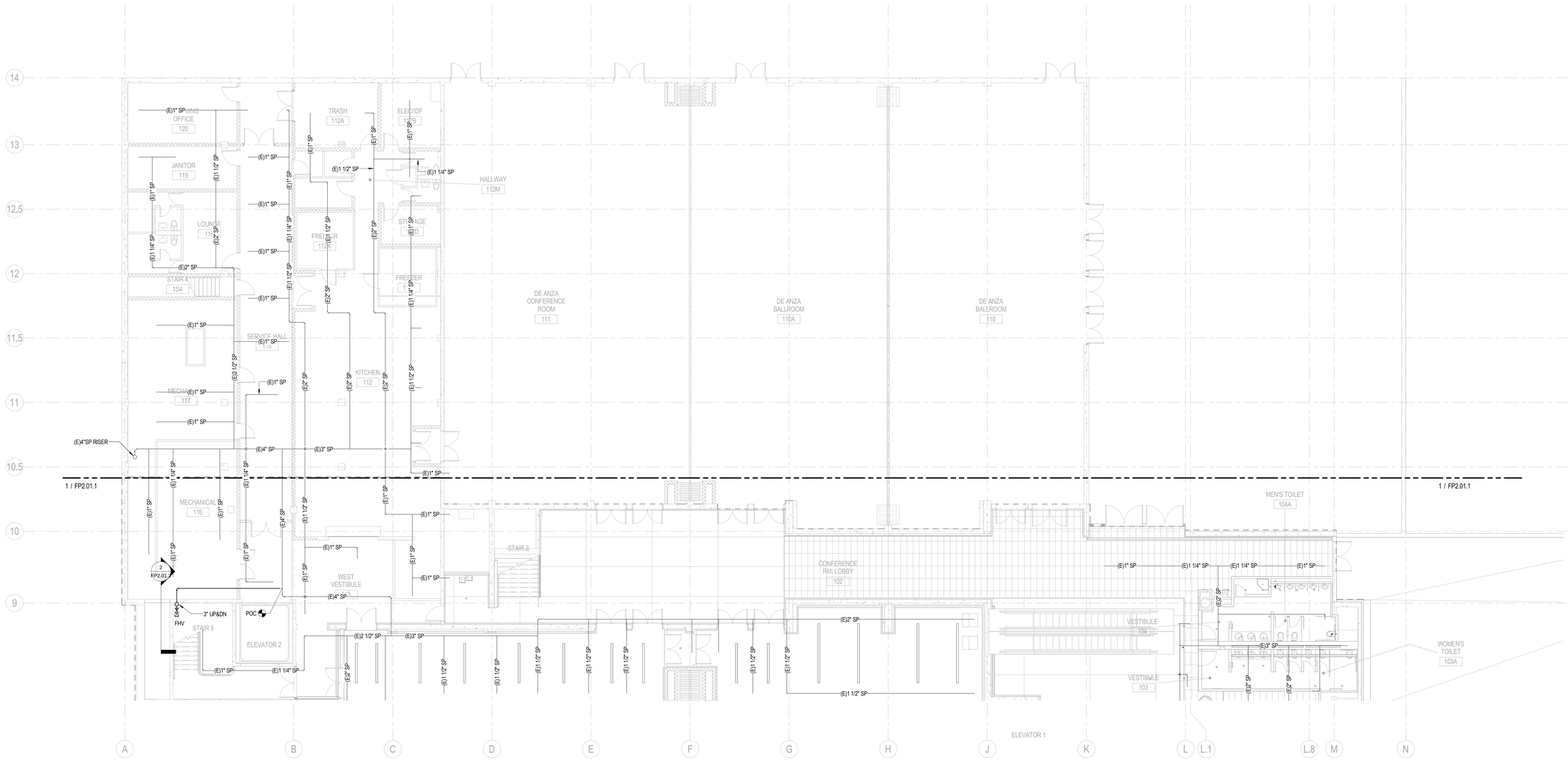
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3 FIRE HOSE VALVE SECTION ON STAIR 11
1/4" = 1'-0"



4 FIRE HOSE VALVE SECTION ON STAIR 12
1/4" = 1'-0"



1 LEVEL 1- FIRE PROTECTION PLAN - NORTH
1/8" = 1'-0"

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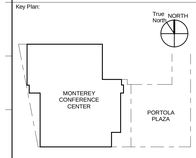
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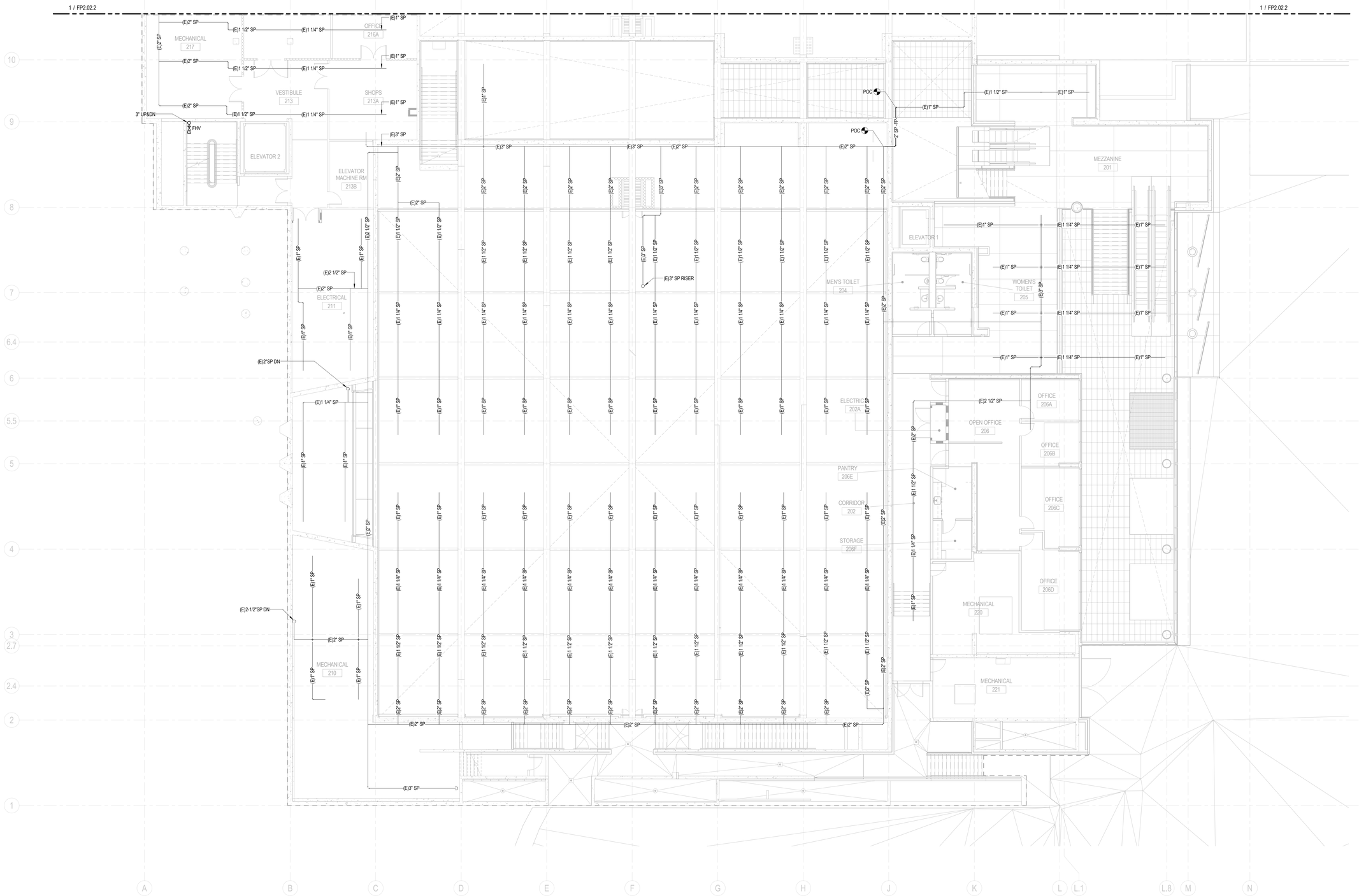
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SHEET NOTES:

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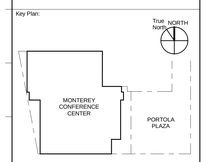
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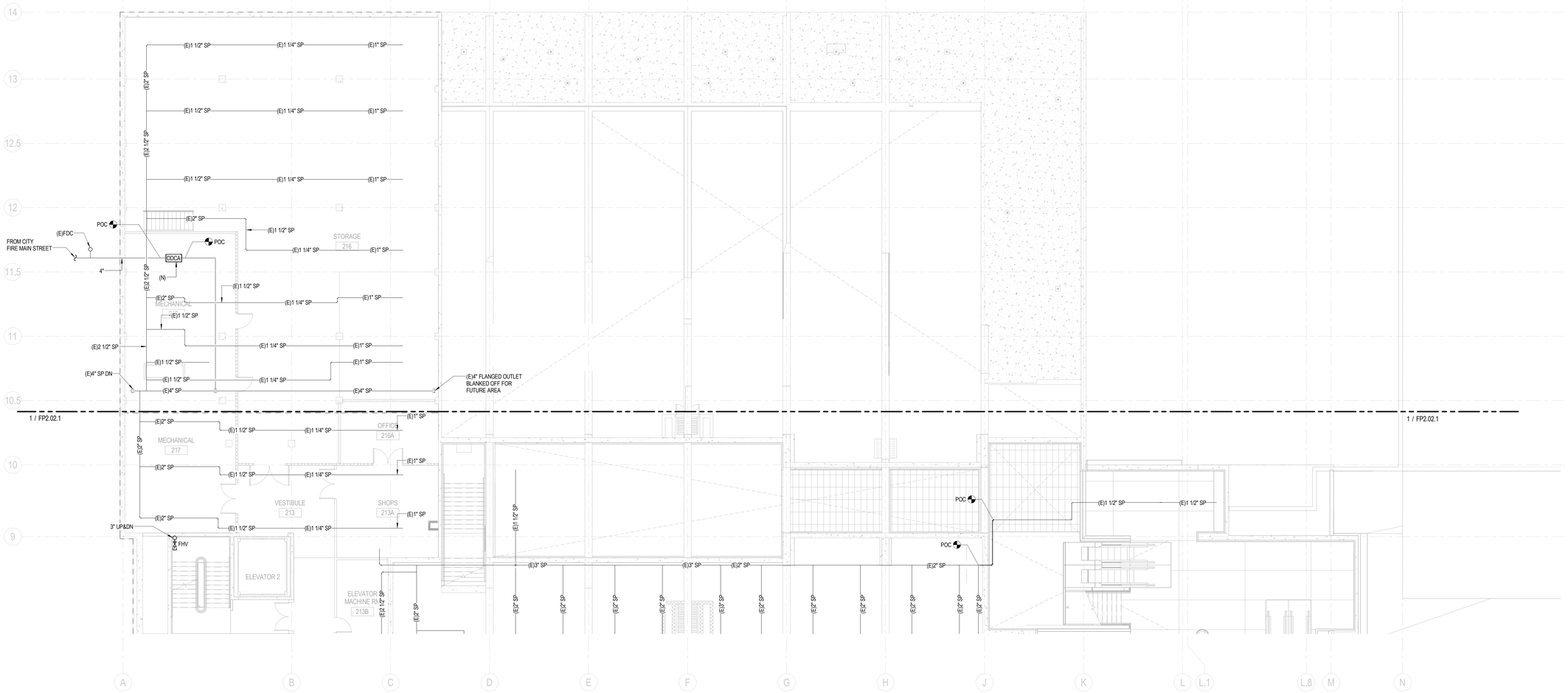
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1 MEZZANINE LEVEL- FIRE PROTECTION PLAN - NORTH
1/8" = 1'-0"

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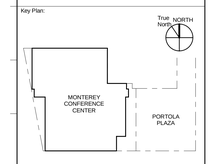
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FIRE PROTECTION PLAN - MEZZANINE LEVEL - NORTH

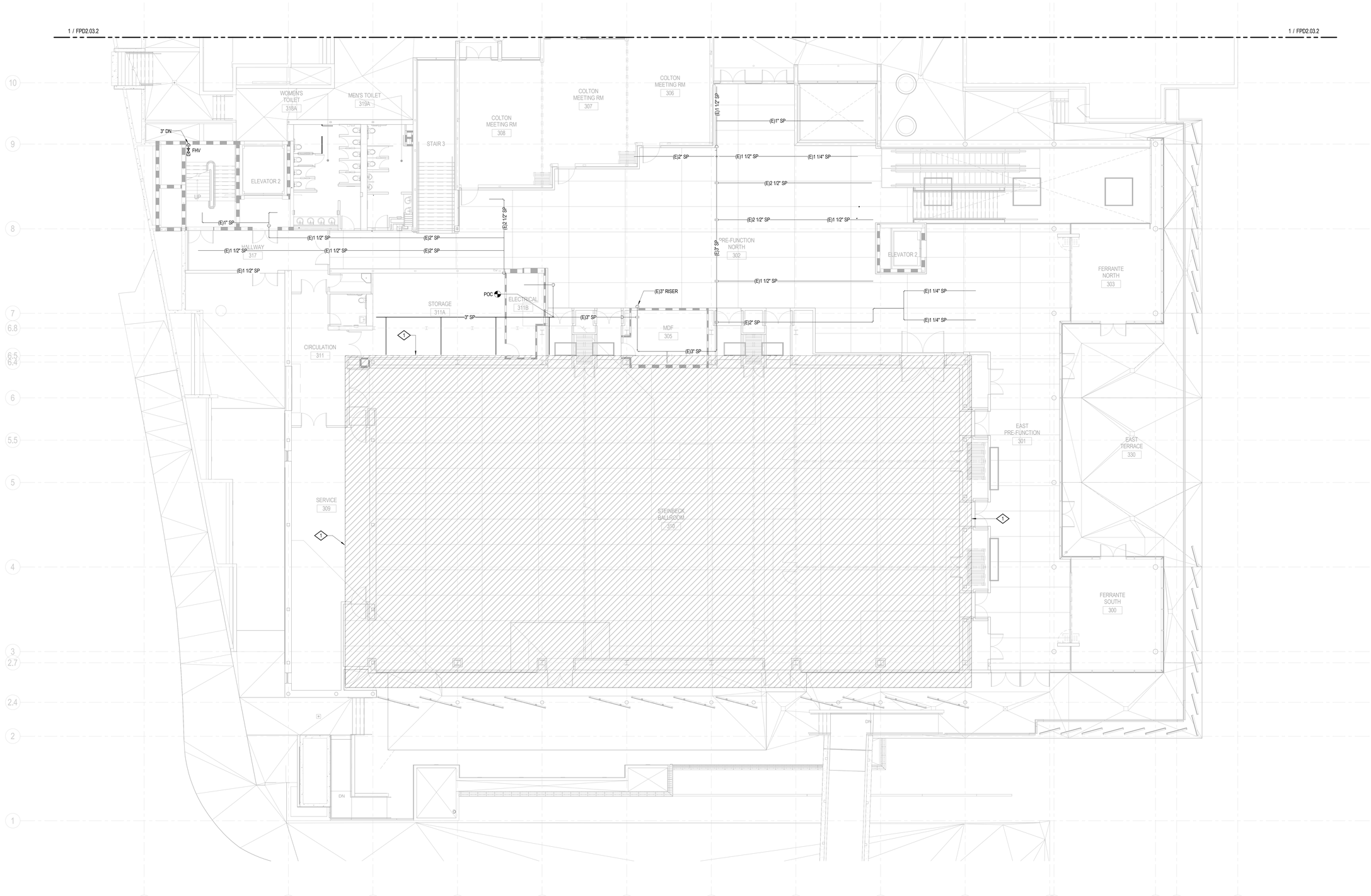
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Project Number	FP2.02.2
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NUMBERED NOTES:

1. PROVIDE NEW SPRINKLER PIPING AND SPRINKLER HEADS. COORDINATE WITH RCP AND OTHER SERVICES.

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
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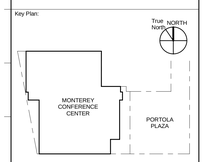
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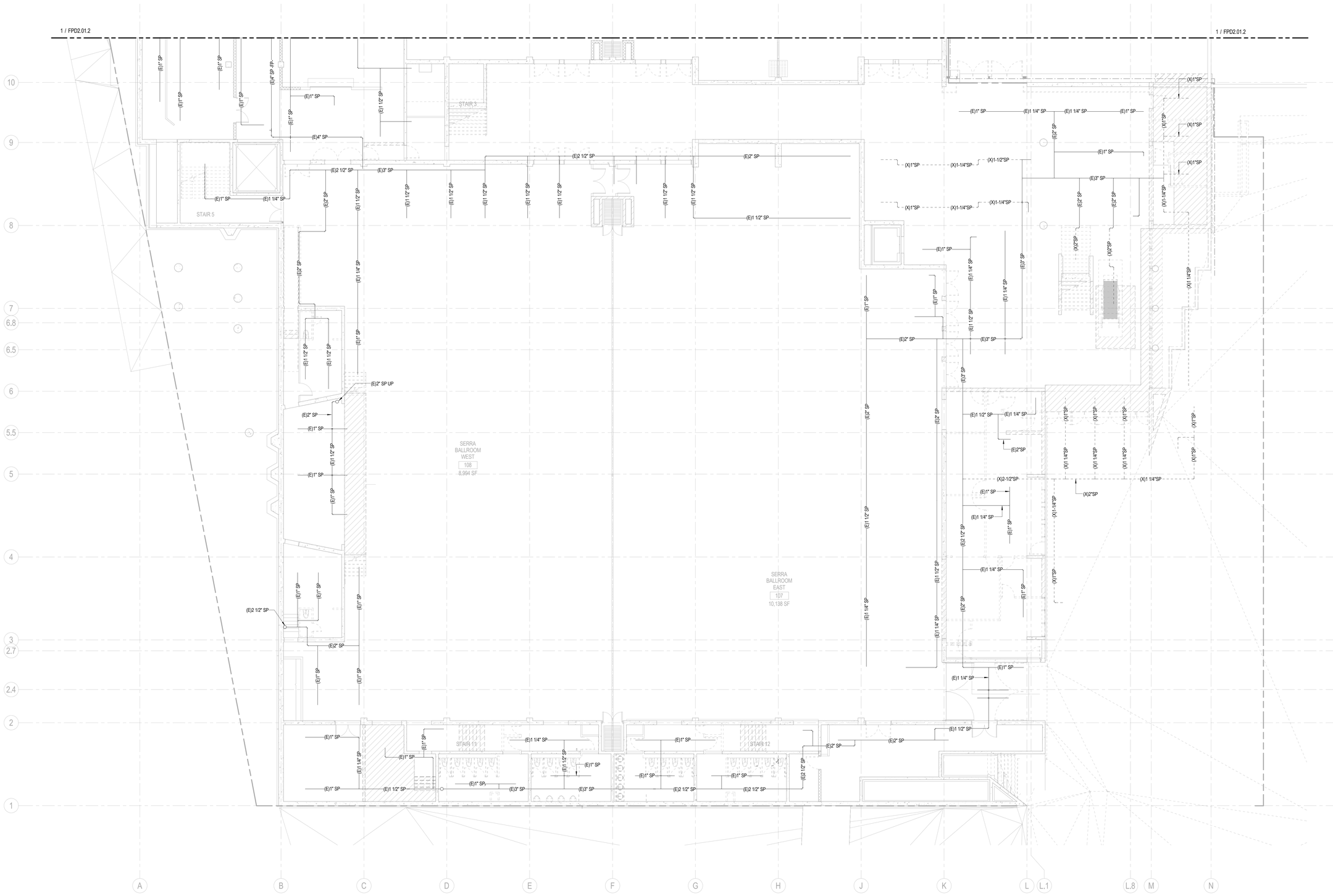
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FIRE PROTECTION PLAN - LEVEL 02 - SOUTH

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1 LEVEL 1- FIRE PROTECTION DEMOLITION PLAN - SOUTH
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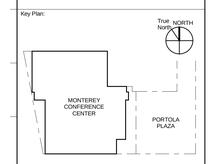
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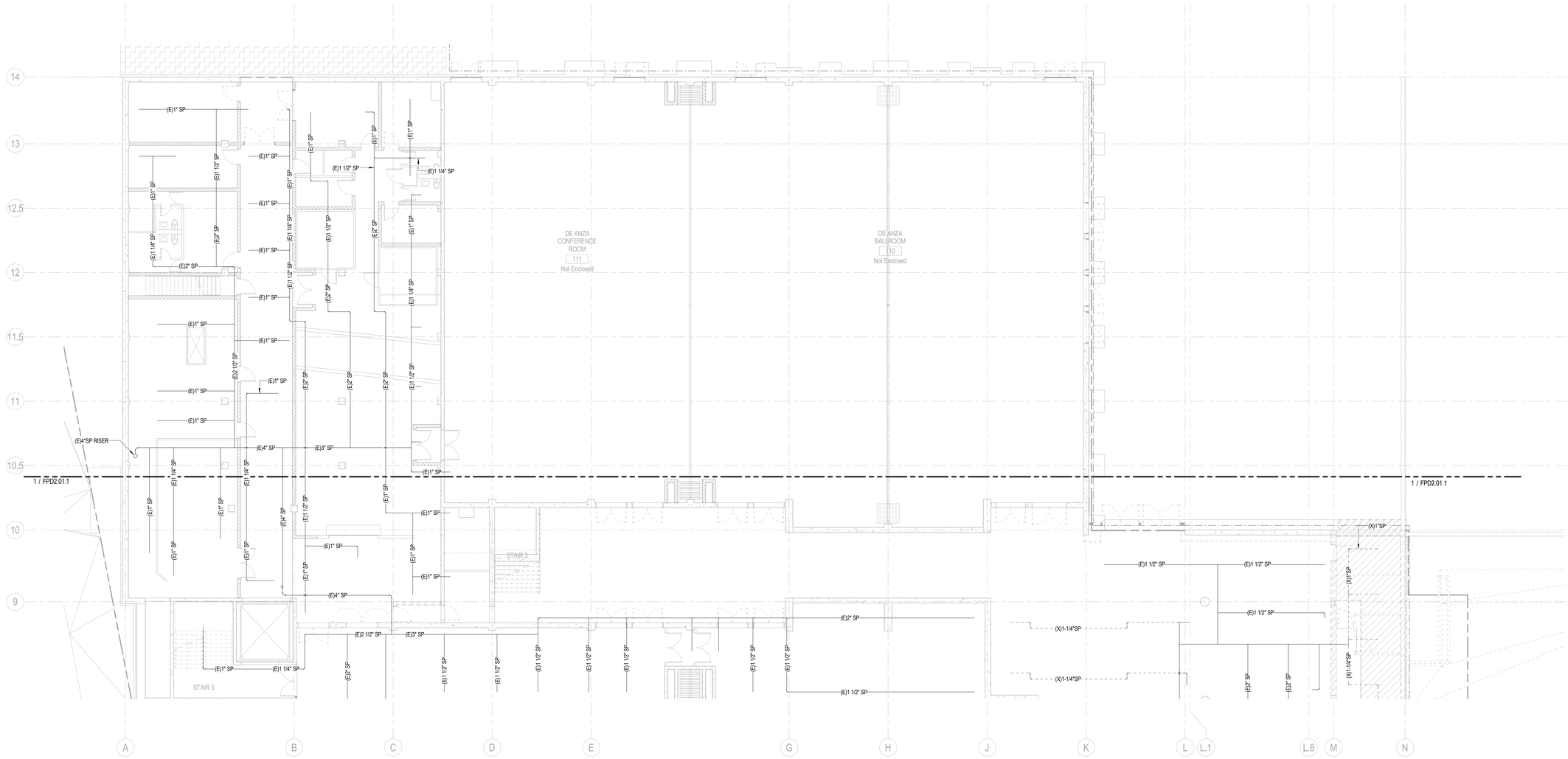
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1 LEVEL 1- FIRE PROTECTION DEMOLITION PLAN - NORTH
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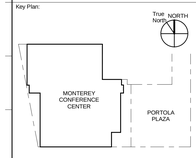
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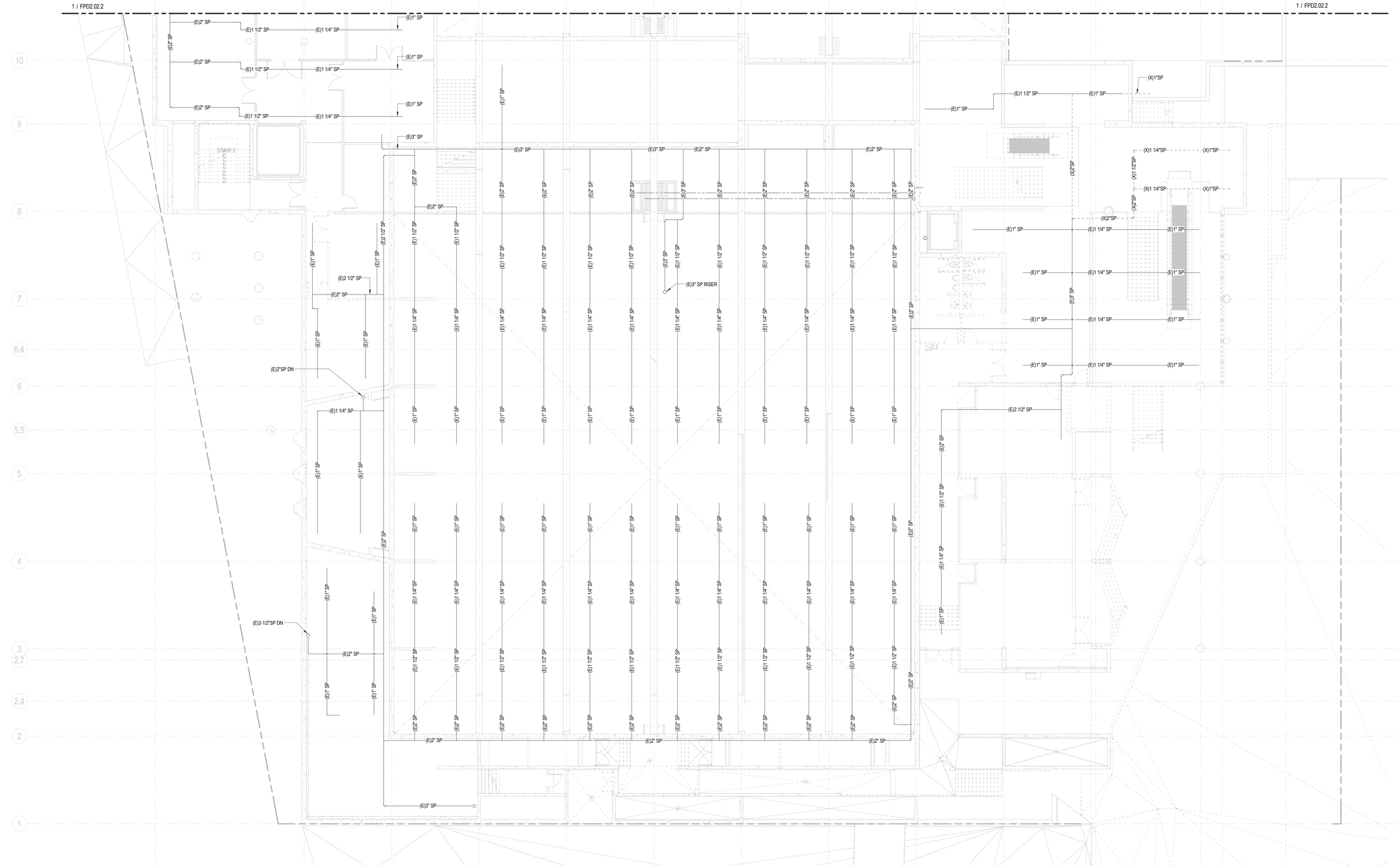
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1 MEZZANINE LEVEL - FIRE PROTECTION DEMOLITION PLAN - SOUTH
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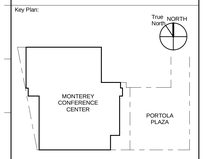
Architect:
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ONE FRONT STREET,
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Consultants:
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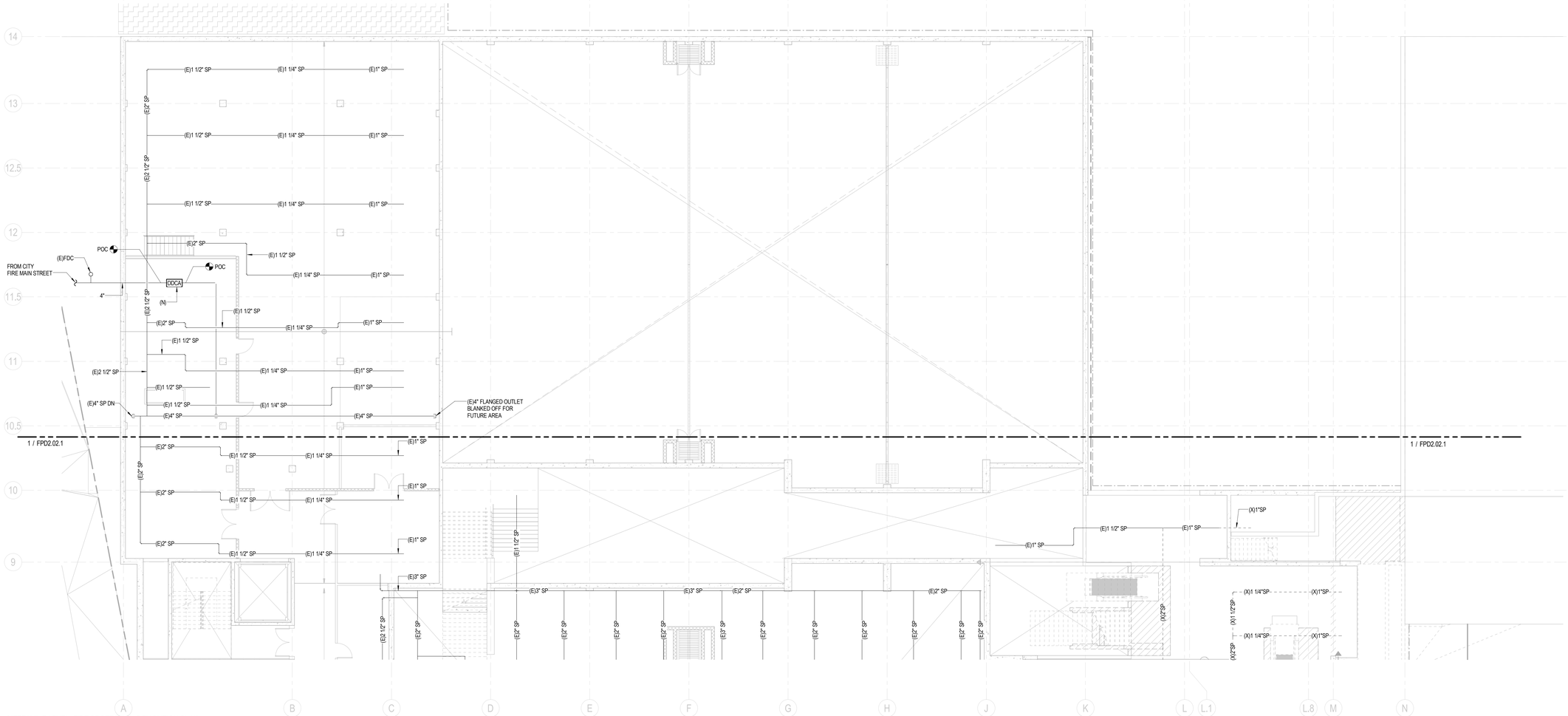
REGISTERED PROFESSIONAL ENGINEER
JOJI THOMAS
No. M35886
MECHANICAL
STATE OF CALIFORNIA

Sheet Name:

FIRE PROTECTION MEZZANINE LEVEL DEMO PLAN - SOUTH

Project No.:	Sheet No.:
Project Number	FPD2.02.1
Drawn By: Author	
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1 MEZZANINE LEVEL- FIRE PROTECTION DEMOLITION PLAN - NORTH
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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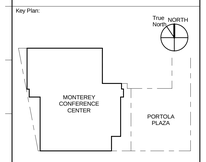
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REGISTERED PROFESSIONAL ENGINEER
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No. M35886
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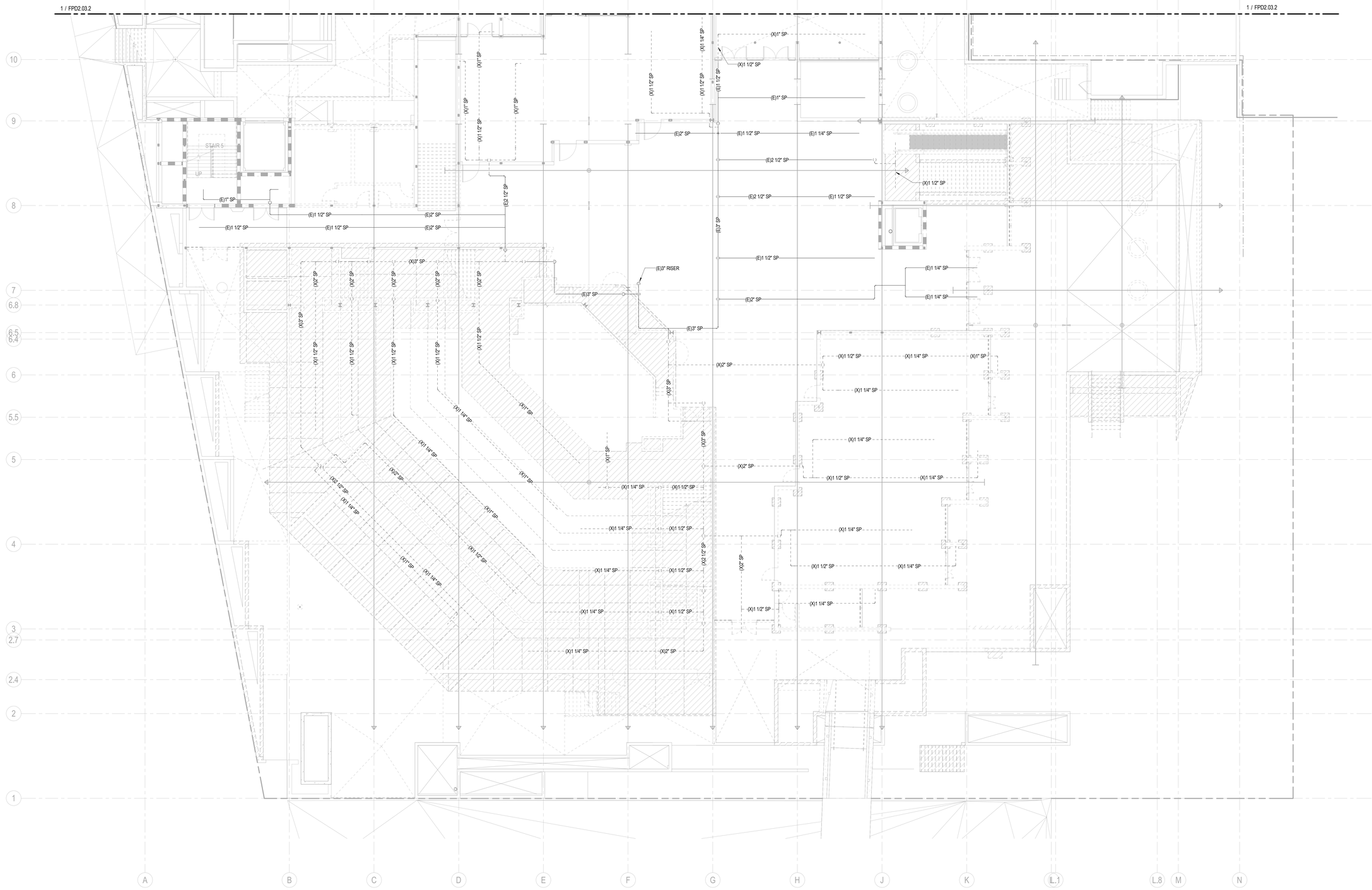
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1 LEVEL 2 - FIRE PROTECTION DEMOLITION PLAN - SOUTH
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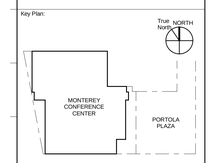
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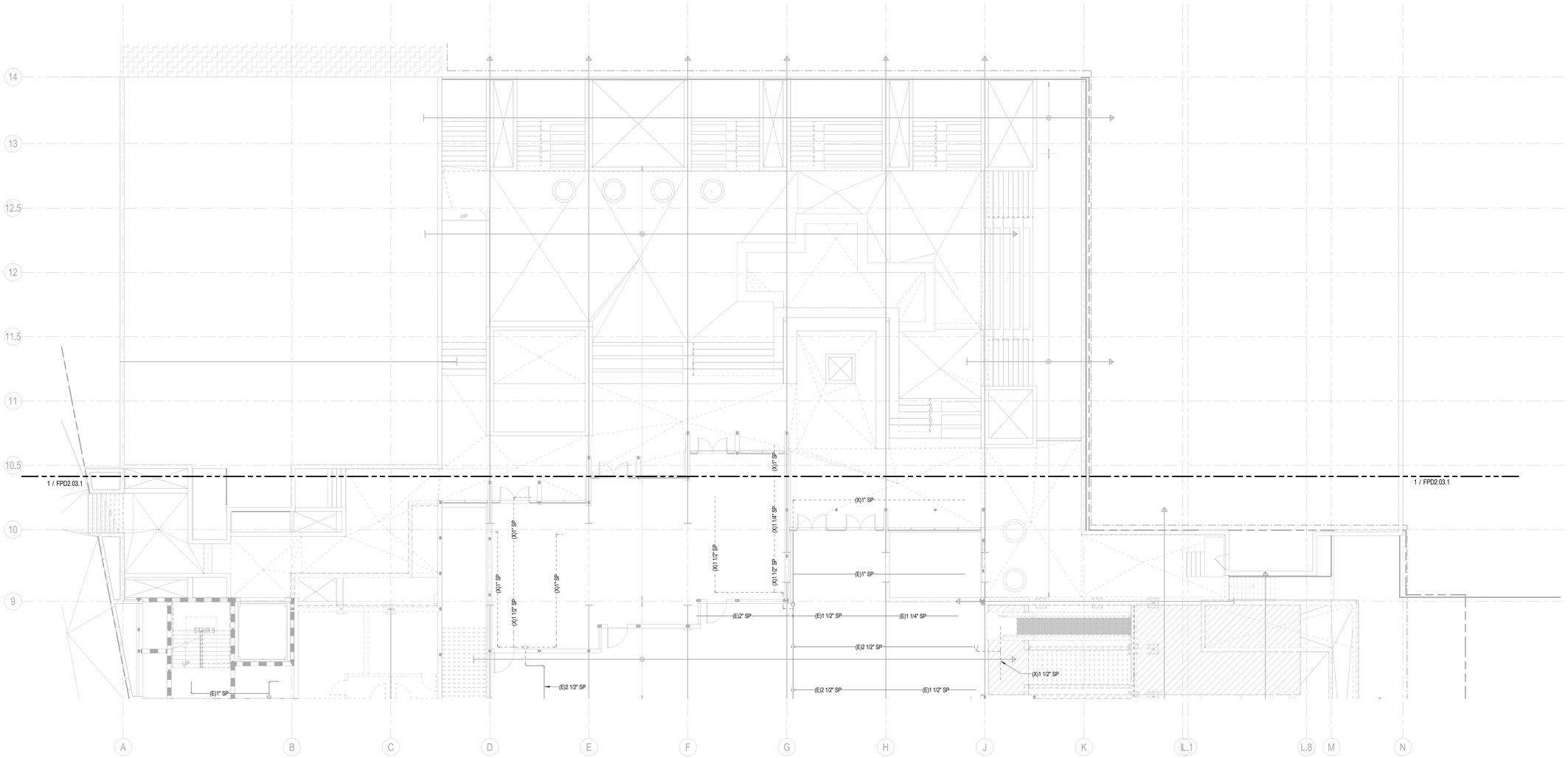


Sheet Name:

FIRE PROTECTION LEVEL 02 DEMOLITION PLAN - SOUTH

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1 LEVEL 2 - FIRE PROTECTION DEMOLITION PLAN - NORTH
1/8" = 1'-0"

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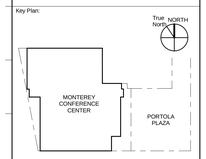
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FIRE PROTECTION LEVEL 02 DEMOLITION PLAN - NORTH

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GENERAL NOTES

1. WHERE EXACT DIMENSIONS ARE NOT INDICATED, THE SCALE OF THIS DRAWING IS SUFFICIENTLY ACCURATE FOR DETERMINING THE LOCATION OF EQUIPMENT, 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. ROOM DIMENSIONS ON THE DRAWINGS HAVE BEEN TAKEN FROM PRELIMINARY ARCHITECTURAL DRAWINGS. ALL DIMENSIONS MUST BE VERIFIED AND ANY DEVIATIONS CAUSING CHANGES EXCEEDING 3 INCHES MUST BE COORDINATED WITH SHEN MILSOM & WILKE, INC.

2. NOTIFY OWNER'S REPRESENTATIVES OF ANY DISCREPANCIES BETWEEN THE EXISTING CONDITIONS AND THE AUDIOVISUAL DRAWINGS. OBTAIN CLARIFICATION BEFORE PRECEDING WITH WORK.

3. DRAWINGS ARE NOT TO BE USED FOR ARCHITECTURAL OR ENGINEERING PURPOSES. DRAWINGS SHOULD ONLY BE USED FOR AUDIOVISUAL SYSTEM COORDINATION AND COORDINATION WITH OTHER CONTRACTORS AND SYSTEMS. COORDINATE PATHWAYS FOR ALL AUDIOVISUAL RELATED DEVICES WITH ARCHITECTURAL AND ELECTRICAL PLANS.

4. ALL AUDIOVISUAL DEVICES SHALL BE SECURELY MOUNTED PLUMB AND STRAIGHT TO WALLS, FLOORS, OR RACKS PER THE MANUFACTURER'S RECOMMENDED MOUNTING PRACTICE, UON.

5. INSTALL FIRESTOP TO ALL SLAB AND WALL PENETRATIONS PROVIDED FOR THE INSTALLATION OF CABLE AS REQUIRED TO MAINTAIN THE FIRE RATING OF THE SLAB OR WALL. REVIEW ARCHITECT'S PLAN FOR PARTITION TYPES.

6. REFER TO ELECTRICAL SPECIFICATION FOR INSTALLATION INSTRUCTIONS FOR FLOORBOXES, JUNCTION BOXES, PLYWOOD PANELS, GROUNDING CONDUCTORS, BUSBARS, CONDUITS, CABLE TRAYS IN CORRIDORS, METALLIC ENCLOSURES, ELECTRICAL PANEL BOARDS AND CIRCUITING. CONDUIT, JUNCTION BOXES, FLOOR BOXES, CONDUIT STUBS, GROUNDING BUSBARS AND POWER RECEPTACLES ARE SHOWN FOR REFERENCE AND COORDINATION ONLY. REFER TO THE ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL DETAILS.

7. THE METHOD OF INSTALLATION OF BOXES IN WALLS, AND THE METHOD OF PASSAGE OF CONDUIT AND WIREWAYS THROUGH ACOUSTICALLY SENSITIVE WALLS, SHALL BE COORDINATED WITH THE ACOUSTICAL CONSULTANT OR ARCHITECT.

8. POWER RECEPTACLES AND TELECOMMUNICATION OUTLETS SHOWN ON AUDIOVISUAL DRAWINGS ARE DEDICATED TO SPECIFIC AUDIOVISUAL EQUIPMENT AND ARE SHOWN FOR REFERENCE ONLY. THESE RECEPTACLES SHOULD BE PROVIDED WITH ISOLATED GROUND ON A COMMON PHASE. REFER TO ELECTRICAL DRAWINGS AND TELECOMMUNICATIONS DRAWINGS FOR ADDITIONAL INFORMATION.

9. GROUND ALL AUDIOVISUAL-RELATED CONDUITS, CABLE TRAYS AND JUNCTION BOXES PER THE MANUFACTURER'S RECOMMENDATIONS AND PER ALL APPLICABLE CODES.

10. ALL AUDIOVISUAL-RELATED EMPTY CONDUIT SHALL BE REAMED, CLEANED, CAPPED (WHERE APPROPRIATE), TAGGED, AND FURNISHED WITH PULL WIRES.

11. INSTALL CABLE TRAY FOR AUDIOVISUAL WIRING TO MAINTAIN A MINIMUM OF 5" SEPARATION FROM FLUORESCENT LIGHTING.

12. THERE SHALL BE A MINIMUM OF ONE PULL BOX FOR EVERY 100' OF STRAIGHT EMPTY AUDIOVISUAL-RELATED CONDUIT AND ONE PULL BOX WHERE THERE ARE MORE THAN TWO 90° BENDS OR LESSER BENDS TOTALING 180° IN A CONDUIT RUN.

13. MAINTAIN MINIMUM BEND RADIUS OF 10X OD FOR ALL AUDIOVISUAL-RELATED CONDUITS.

14. PROVIDE STANDARD 2-1/2" DEEP GANG BOXES AS INDICATED IN DEVICE TABLE ON THIS PAGE. BOXES ARE SINGLE-GANG UNLESS OTHERWISE INDICATED BY THE SUB-NUMBER ASSOCIATED WITH A SYMBOL.

15. RECEPTACLE BOXES ARE TO BE INSTALLED AT PROJECT-STANDARD BASE HEIGHT, UON. SWITCH AND CONTROL BOXES ARE TO BE INSTALLED AT PROJECT-STANDARD SWITCH HEIGHT, UON.

16. REFER TO INDIVIDUAL AV-SERIES SHEETS FOR CONDUIT SIZING REQUIREMENTS.

17. ATTACH BOXES FOR ABOVE-CEILING DEVICES TO SLAB ABOVE FINISHED CEILING OR TO STRUCTURE.

18. LETTER ASSOCIATED WITH AV MOTOR SYMBOLS: C - CAMERA LIFT; D - DRAPERY; P - PROJECTOR LIFT; S - PROJECTION SCREEN

ABBREVIATIONS

AFC	ABOVE FINISHED CEILING
AFF	ABOVE FINISHED FLOOR
AFP	ABOVE FINISHED PLATFORM OR RAISED FLOOR
AS	ABOVE SLAB
AC	ACOUSTIC/ACOUSTICAL
APPROX	APPROXIMATE
ARCH	ARCHITECT/ARCHITECTURAL
AV	AUDIOVISUAL
A.V.C	AUDIOVISUAL CONTRACTOR
@	AT
BD	BOARD
BLDG	BUILDING
CAB	CABINET
CLG	CEILING
CH	CHANNEL
CKT	CIRCUIT
CLO	CLOSET
CLR	CLEAR
CNTR	COUNTER
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONT	CONTINUOUS
DEPT	DEPARTMENT
DET	DETAIL
DIA	DIAMETER
DIM	DIMENSION
DN	DOWN
DP	DEEP/DEPTH
DWG	DRAWING
(E)	EXIST/EXISTING
EA	EACH
EC	EMPTY CONDUIT
EC.	ELECTRICAL CONDUIT
ELEV	ELEVATION
EMT	ELECTRICAL METALLIC TUBING
ENCL	ENCLOSURE
EP	ELECTRICAL PANEL
EQ	EQUAL
EQPT	EQUIPMENT
EXT	EXTERIOR
FB	FLOOR BOX
FIN	FINISH
FT	FOOT/FEET
GC	GENERAL CONTRACTOR
HT	HEIGHT/HIGH
HOR	HORIZONTAL
ID	INSIDE DIAMETER
INT	INTERIOR
LT	LIGHT
MAX	MAXIMUM
MECH	MECHANICAL
MIN	MINIMUM
MTD	MOUNTED
MTG	MEETING
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
OPNG	OPENING
OPP	OPPOSITE
OT	OUTLET
RCRD	RECORDING
REC	RECESSED
REINF	REINFORCED
RM	ROOM
SCHED	SCHEDULE
SECT	SECTION
STD	STANDARD
SW	SWITCH
TEL	TELEPHONE
TELC	TELECOM
THK	THICK
TV	TELEVISION
TYP	TYPICAL
UON	UNLESS OHTERWISE NOTED

AV FUNCTIONAL DIAGRAM KEY LIST

ALS	ASSISTED LISTENING SYSTEM
AMP	AMPLIFIER
ANO	ANNOTATION PROCESSOR
ANT	ANTENNA
ASP	AUDIO SIGNAL PROCESSOR
CAM	CAMERA
CCU	CAMERA CONTROL UNIT
CMP	COMPUTER
CPL	CONTROL PANEL
CSP	CONTROL SYSTEM PROCESSOR
DOC	DOCUMENT CAMERA
DVD	DIGITAL VIDEO DISC
ESW	ETHERNET SWITCH
FBX	FLOOR BOX
FOR	FIBER OPTIC RECEIVER
FOT	FIBER OPTIC TRANSMITTER
FPD	FLAT PANEL DISPLAY
IRM	INFRARED MODULATOR
IRT	INFRARED TRANSMITTER
KBD	KEYBOARD
LVC	LOW VOLTAGE CONTROLLER
MIC	MICROPHONE
MSE	MOUSE
MTX	MATRIX SWITCHER
PSW	PROJECTION SCREEN SWITCH
RPT	RACK PLATE
SPK	LOUDSPEAKER
TBD	TELEPHONE HYBRID
TBX	TABLE BOX
TUN	TUNER
TXF	BALANCING/UNBALANCING AUDIO TRANSFORMER
VPJ	VIDEO PROJECTOR
VSP	VIDEO SIGNAL PROCESSOR
VTC	VIDEO CONFERENING CONDEC
USB	USB DEVICE
WPT	WALL PLATE

SYMBOLS

SYMBOLS	DEVICE (FLOOR MOUNTED)
FB	FLOOR BOX (W/ POWER & TELECOM). PROVIDE 6" DEEP BACK BOX, MINIMUM, TO ALLOW SUFFICIENT REAR CLEARANCE FOR AV DEVICES.

SYMBOLS	DEVICE (WALL MOUNTED)
J	JUNCTION BOX * = (1) SINGLE GANG, (2) DUAL GANG, (C) CUSTOM
*	DUAL POWER OUTLET * = (D) DEDICATED
*	QUAD POWER OUTLET * = (D) DEDICATED
	TELECOMMUNICATIONS OUTLET
R/L	PROJECTION SCREEN RAISE/LOWER SWITCH

SYMBOLS	DEVICE (CEILING MOUNTED)
S1	FLUSH MOUNT CEILING LOUDSPEAKER
S2	CEILING PENDANT LOUDSPEAKER
S3	CEILING TRACK MOUNTED LOUDSPEAKER
J	JUNCTION BOX * = (1) SINGLE GANG, (2) DUAL GANG, (C) CUSTOM
*	DUAL POWER OUTLET * = (D) DEDICATED
	TELECOMMUNICATIONS OUTLET CONNECTION

DRAWING LIST

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

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CITY OF MONTEREY
CITY HALL

580 PACIFIC STREET, MONTEREY, CA 93940
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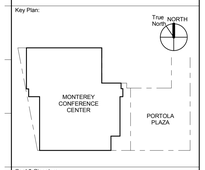
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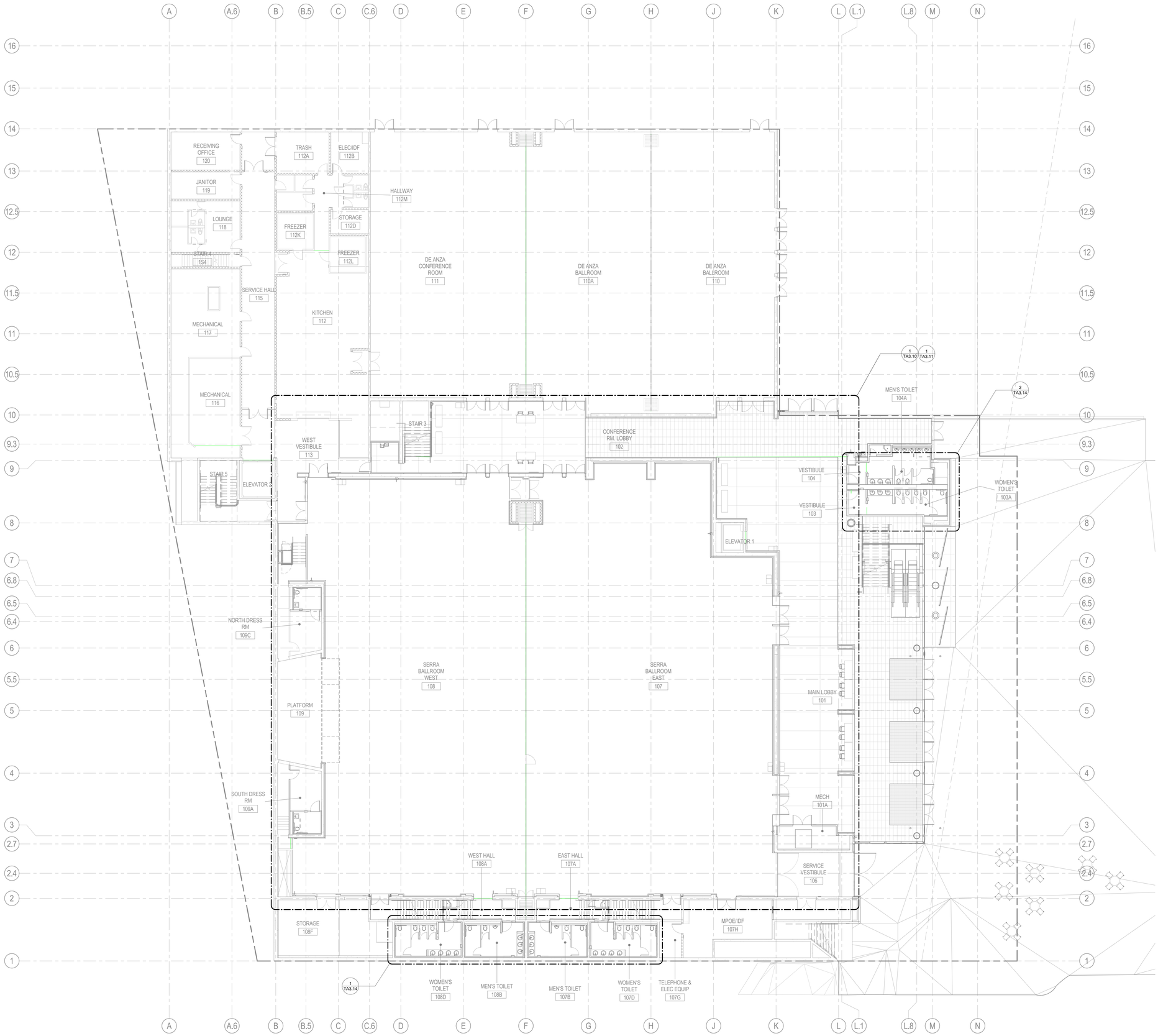
AV SYSTEMS GENERAL NOTES, ABBREVIATIONS, SYMBOLS AND DRAWING LIST

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Drawn By:	RM
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Scale:	NONE

Sheet No.: TA0.00

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1 AV SYSTEMS FLOOR PLAN - LEVEL 1
3/32" = 1'-0"

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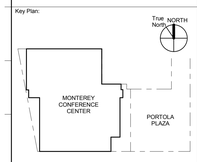
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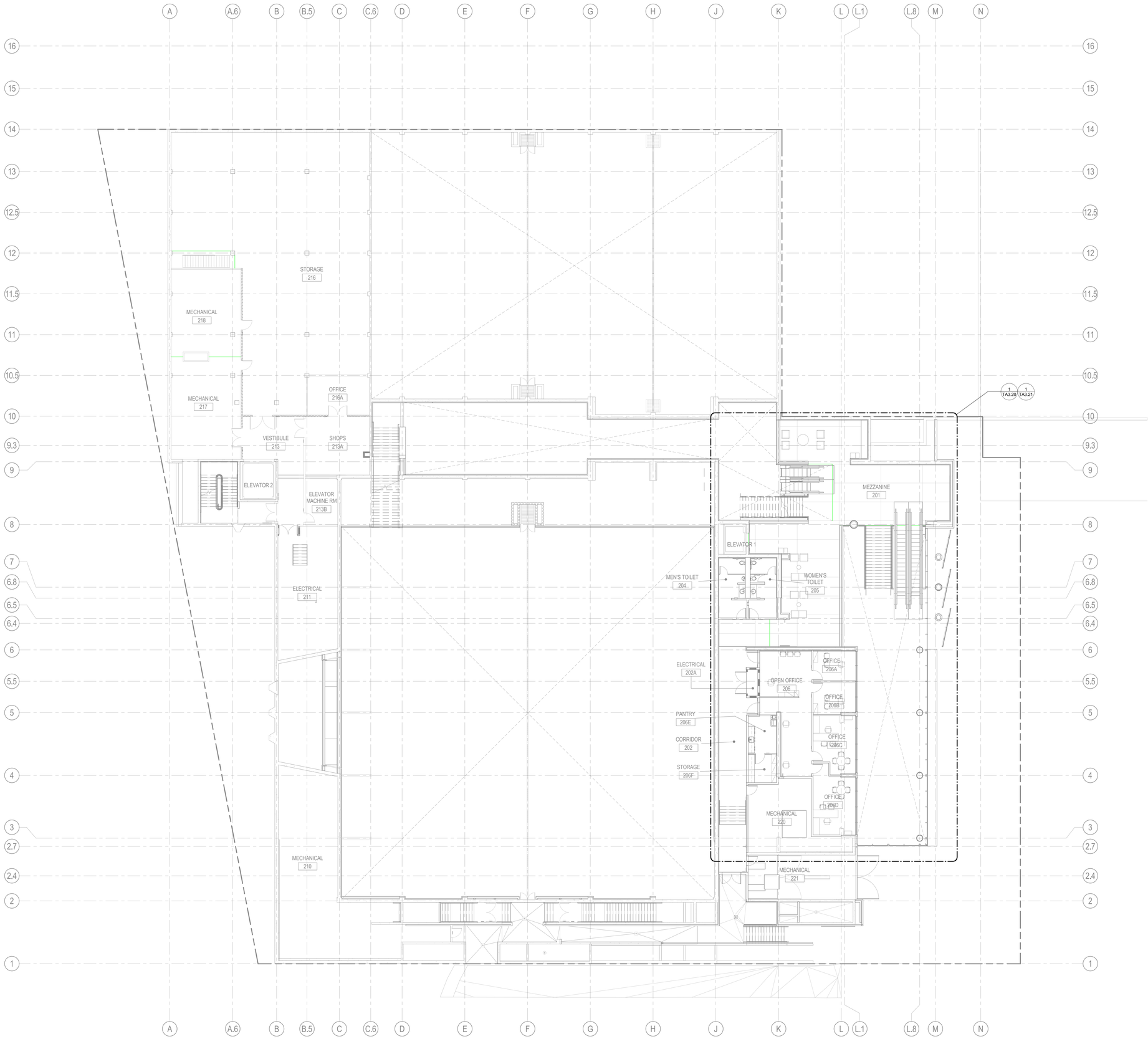
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AV SYSTEMS FLOOR PLAN - LEVEL 1

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Sheet No.: TA2.01

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1 AV SYSTEMS FLOOR PLAN - MEZZANINE LEVEL
3/32" = 1'-0"

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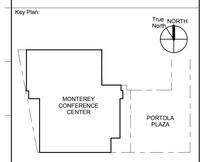
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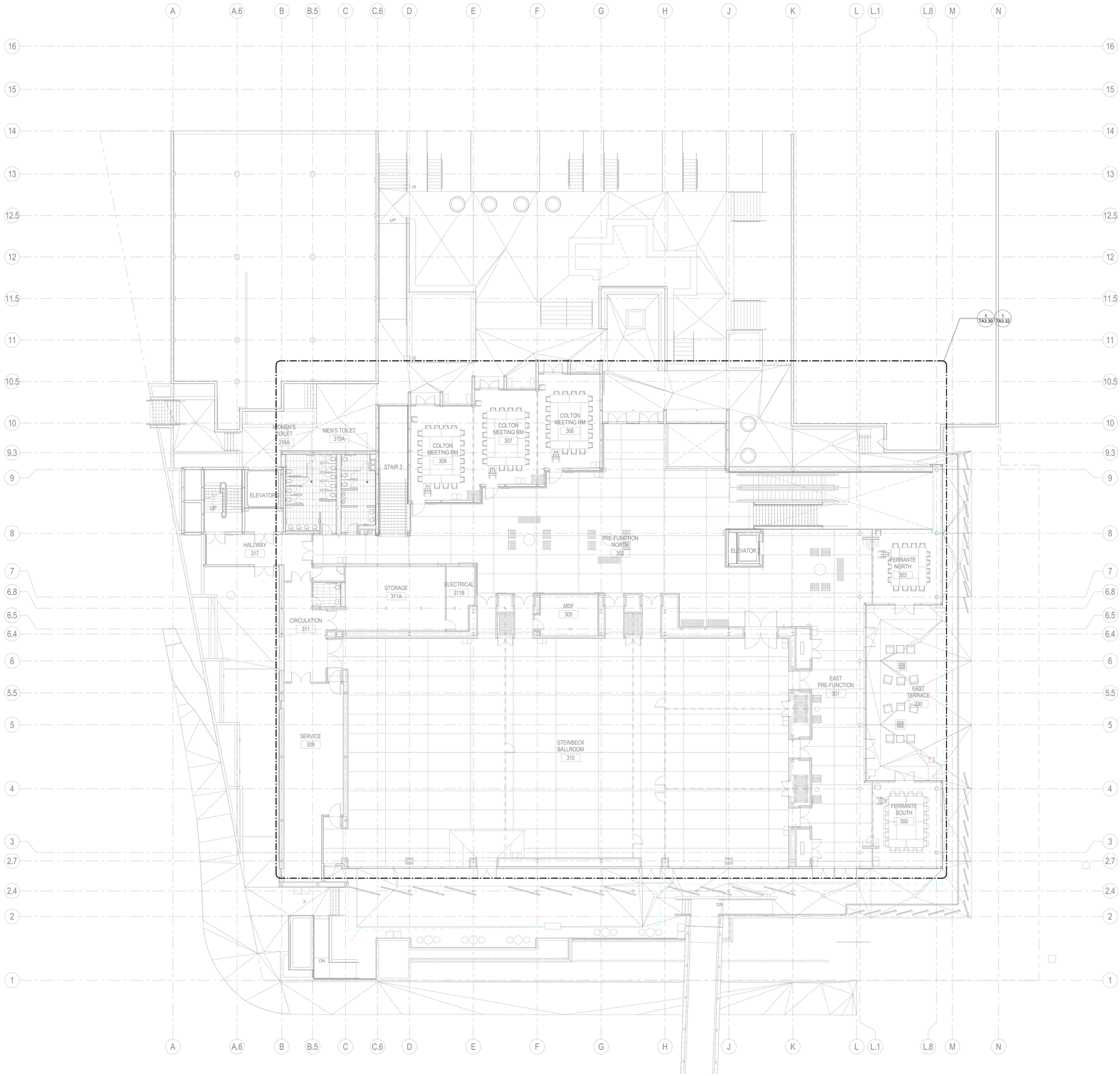
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AV SYSTEMS FLOOR PLAN - MEZZANINE LEVEL

Project No.: 14466	Sheet No.: TA2.02
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1 AV SYSTEMS FLOOR PLAN - LEVEL 2
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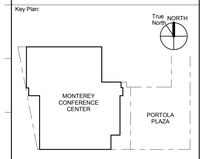
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AV SYSTEMS FLOOR PLAN - LEVEL 2

Project No.: 14466	Sheet No.: TA2.03
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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
WEST HALL 108A
EAST HALL 107A
SERVICE VESTIBULE 106

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

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MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL

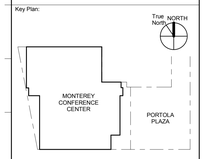
580 PACIFIC STREET, MONTEREY, CA 93940
TEL: (831) 646-5601

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

Consultants:
SM&W
SHEN MILSOM WILKE
33 New Montgomery Street
San Francisco, CA 94105
Tel: 415-391-7610

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	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015

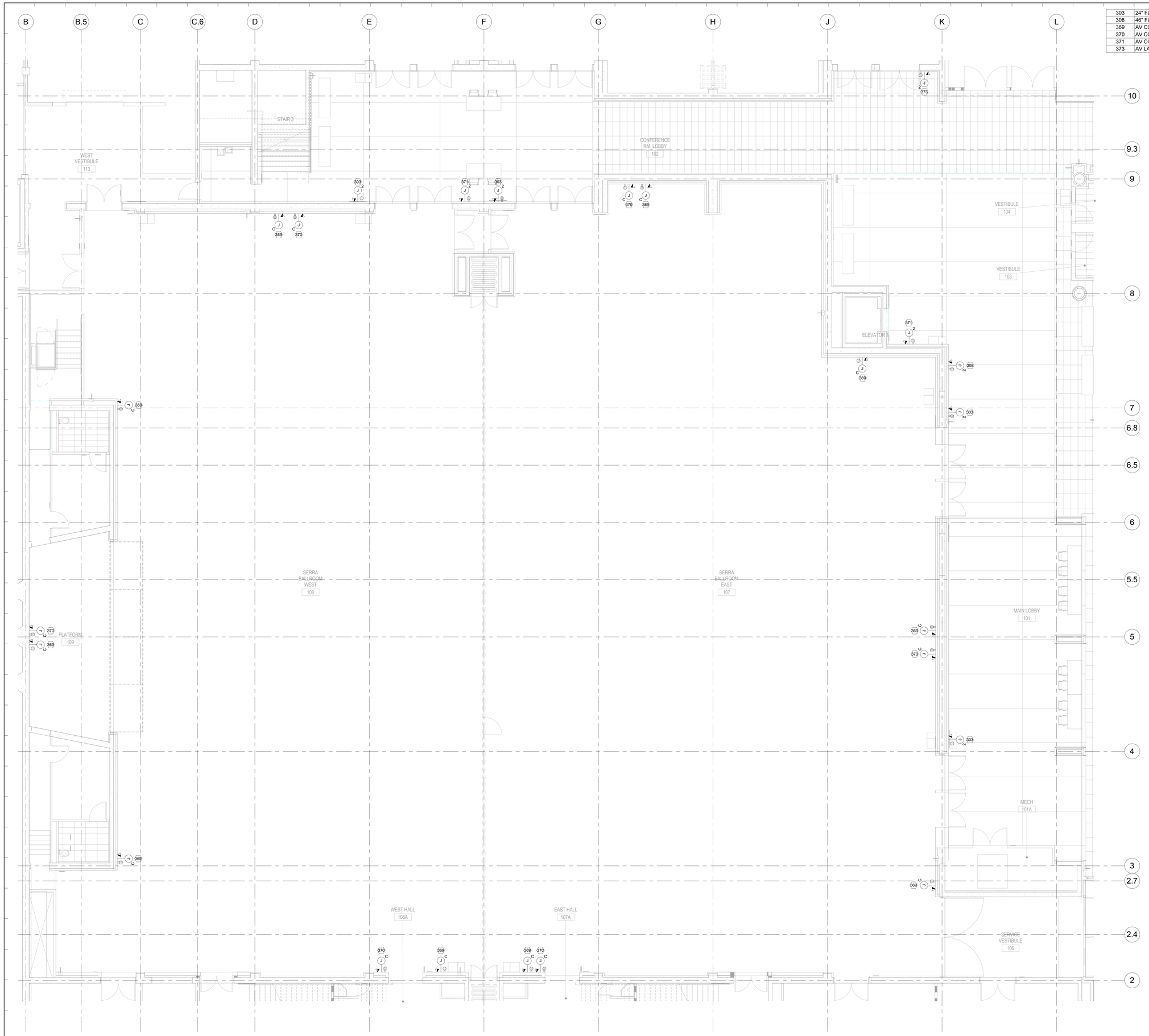
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Seal & Signature:

Sheet Name:
AV SYSTEMS
SERRA
BALLROOM 108
ENLARGED PLAN

Project No.: 14466
Sheet No.: TA3.10
Drawn By: RM
Checked By: RA
Scale: 3/16" = 1'-0"

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

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

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Agreement #: Ag-5097 - Page 330 of 329

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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SAN FRANCISCO, CA 94111

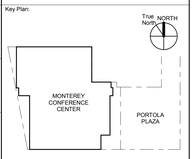
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	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015

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Sheet Name:

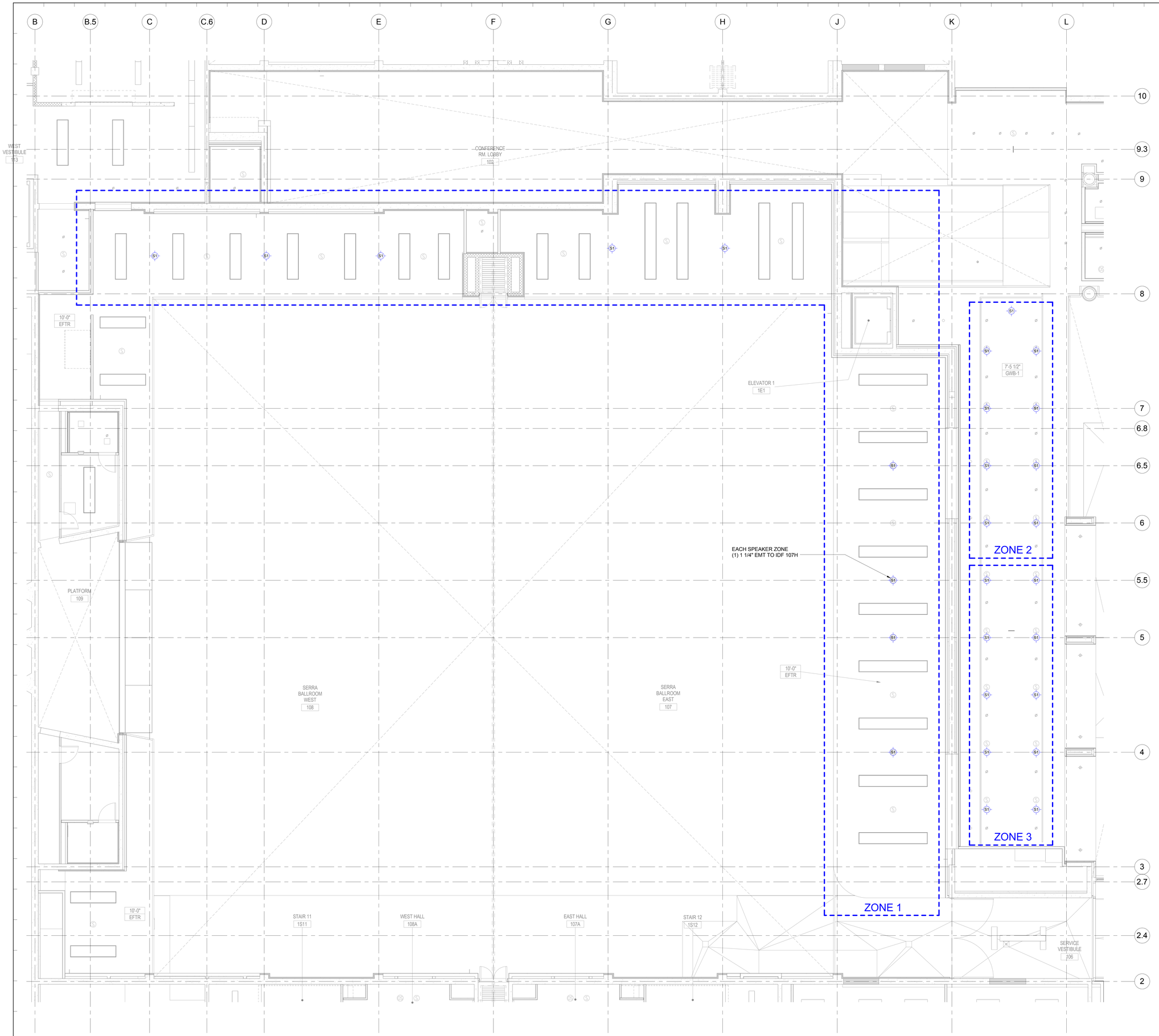
AV SYSTEMS
SERRA
BALLROOM 108
ENLARGED PLAN

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Sheet No.:

TA3.11

2/10/15 2:09:45 PM



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

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MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL

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TEL: (831) 646-5601

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SAN FRANCISCO, CA 94111

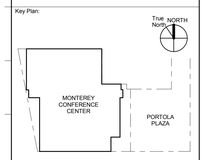
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No.	Description:	Date:
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	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015

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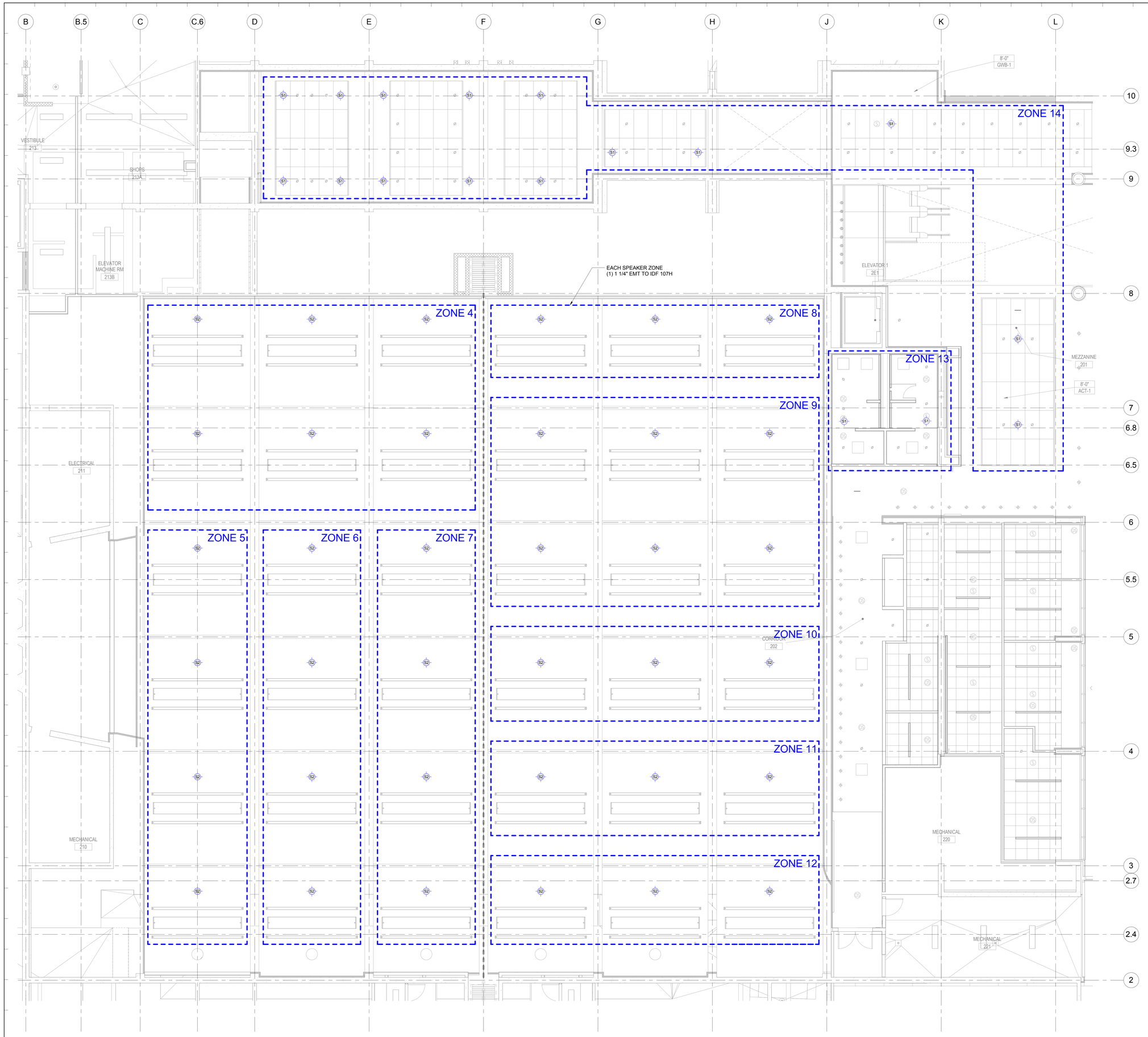
AV SYSTEMS
SERRA
BALLROOM 108
ENLARGED RCP
(LEVEL 1)

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

Sheet No.:

TA3.12

7/2/2015 2:09:46 PM



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

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MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL

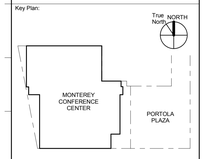
580 PACIFIC STREET, MONTEREY, CA 93940
TEL: (831) 646-5601

Architect:
SOM
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
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Tel: 415-391-7610

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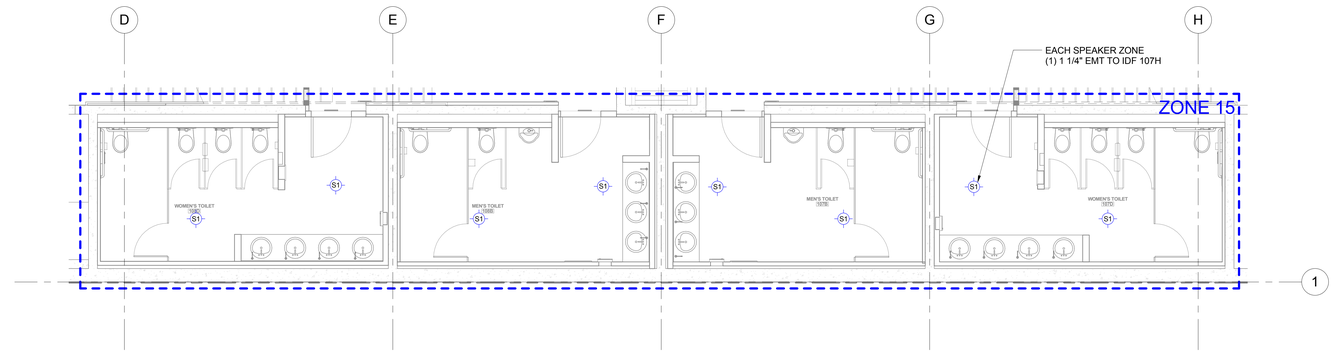
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Key Plan:


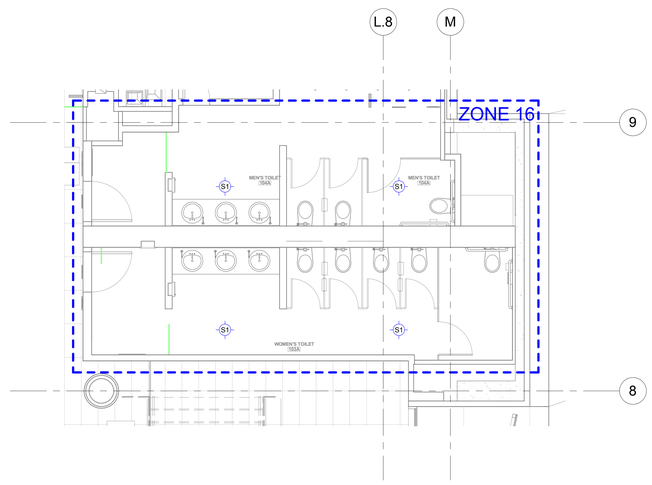
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Sheet Name:
AV SYSTEMS
SERRA
BALLROOM 108
ENLARGED RCP
(MEZZANINE)

Project No.: 14466
Sheet No.: TA3.13
Drawn By: RM
Checked By: RA
Scale: 3/16" = 1'-0"



1 MEN AND WOMEN TOILET
REFLECTED CEILING PLAN - AV FACILITIES
1/4" = 1'-0"



2 MEN, WOMEN AND FAMILY TOILET
REFLECTED CEILING PLAN - AV FACILITIES
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:

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SAN FRANCISCO, CA 94111

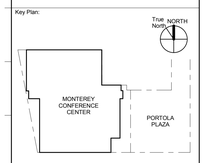
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No.	Description:	Date:
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015

Key Plan:



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Sheet Name:

AV SYSTEMS
LEVEL 1 TOILETS
ENLARGED RCP

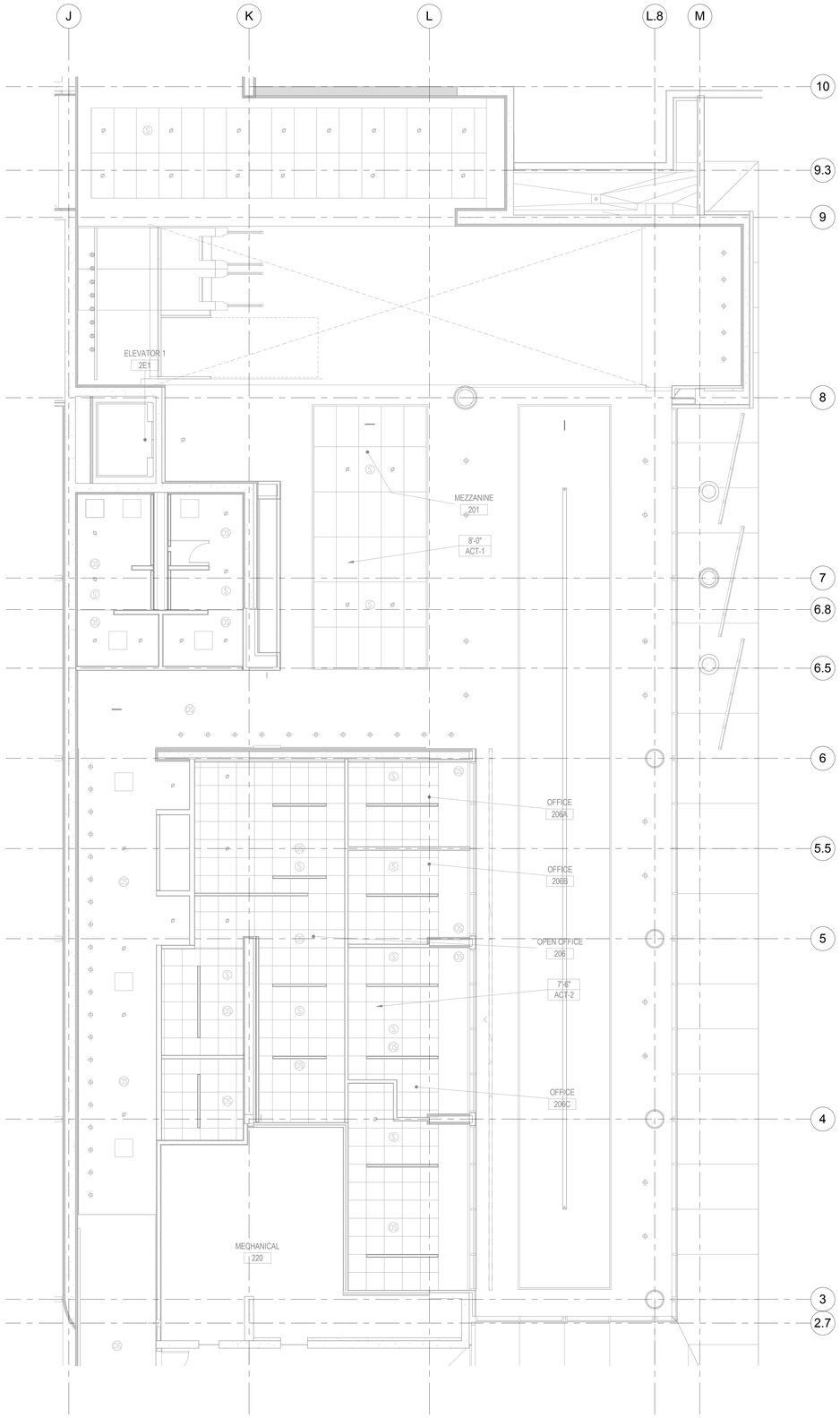
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Sheet No.: TA3.14

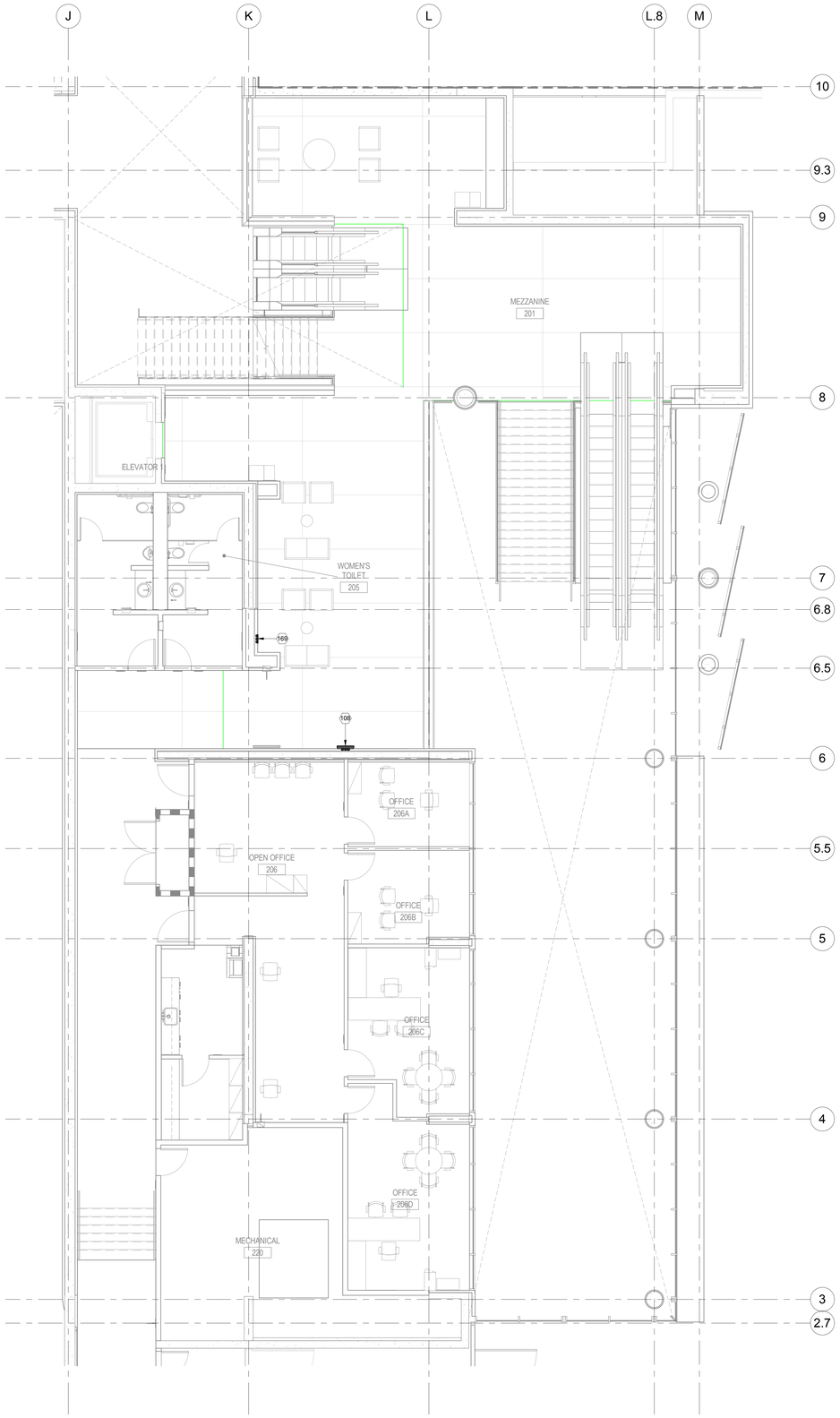
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CAO RDK

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108	46" FLAT PANEL DISPLAY (PORTRAIT)
169	AV CONNECTION PLATE - TYPE A - 12"X12"



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



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

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL

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TEL: (831) 646-5601

Architect:

SOM

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

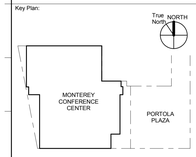
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No.	Description:	Date:
	PERMIT SET	15 JUNE 2015
	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015

Key Plan:



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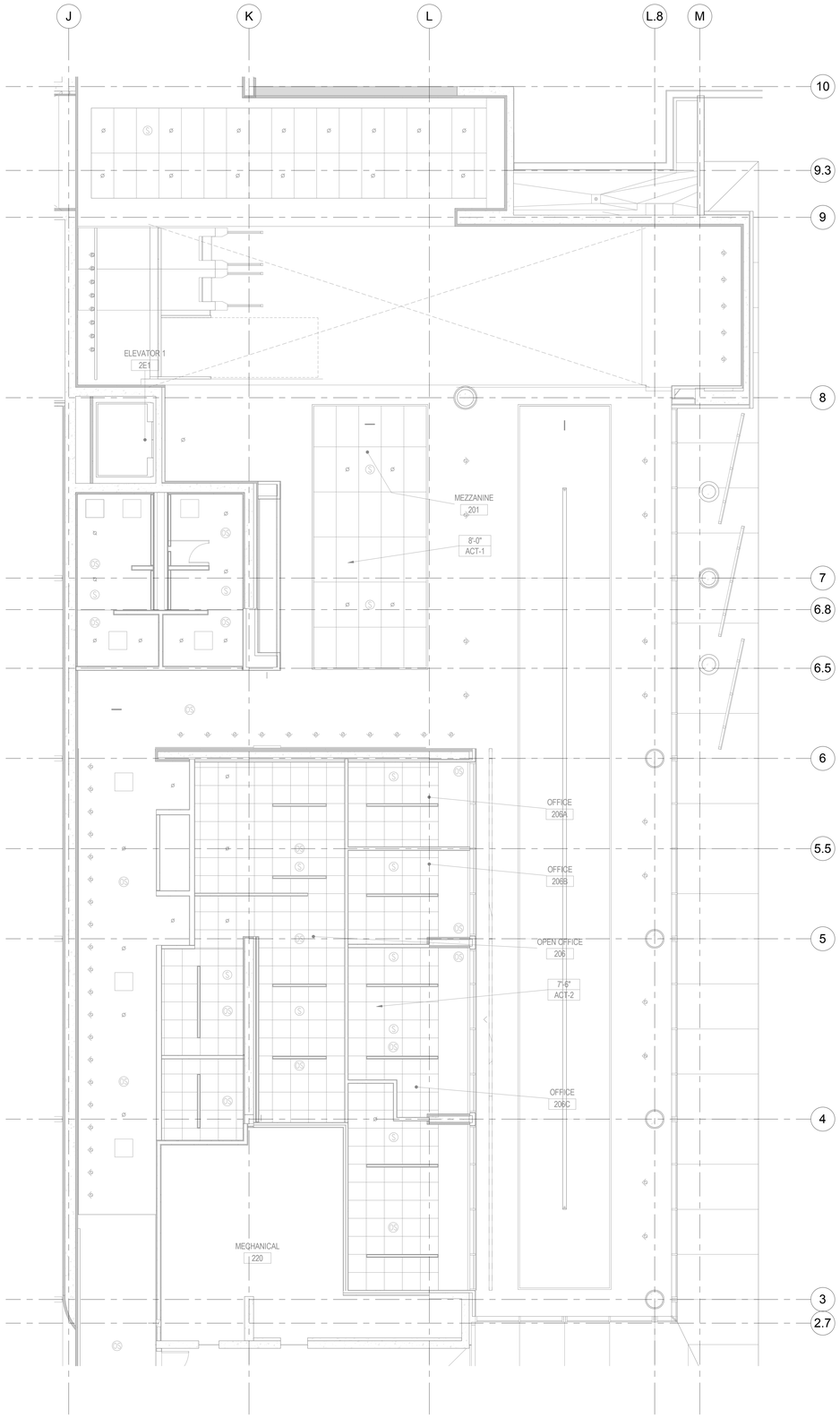
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AV SYSTEMS
MEZZANINE 201
ENLARGED
PLANS

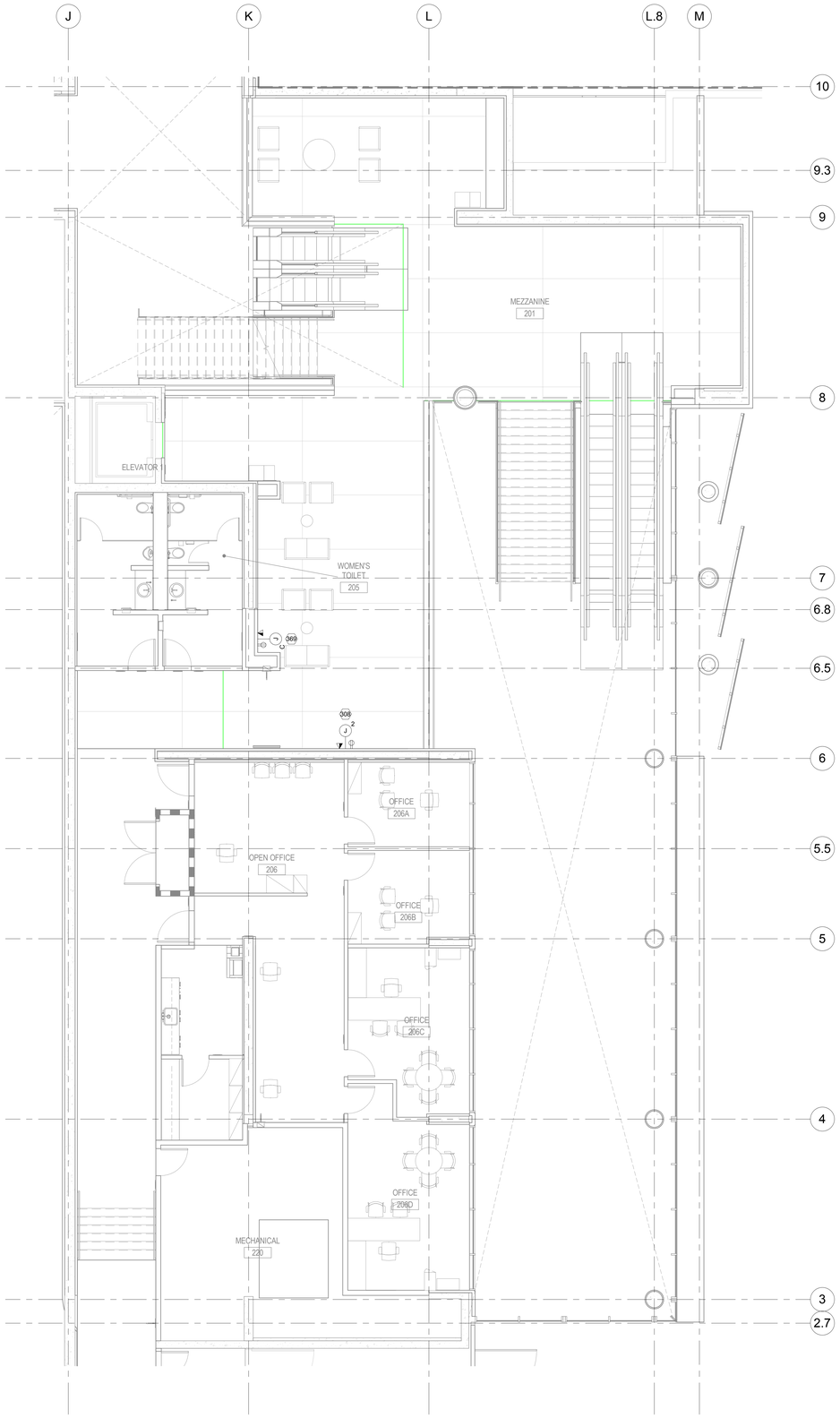
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Checked By: RA	
Scale: 3/16" = 1'-0"	

Agreement #: Ag-5097 - Page 330 329
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308	46" FLAT PANEL DISPLAY - (1) 1 1/4" EMT
369	AV CONNECTION PLATE - TYPE A - (2) 1-1/4" EMT



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



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

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL

580 PACIFIC STREET, MONTEREY, CA 93940
TEL: (831) 646-3601

Architect:

SOM

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ONE FRONT STREET,
SAN FRANCISCO, CA 94111

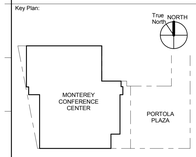
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33 New Montgomery Street
San Francisco, CA 94105
Tel: 415-391-7610

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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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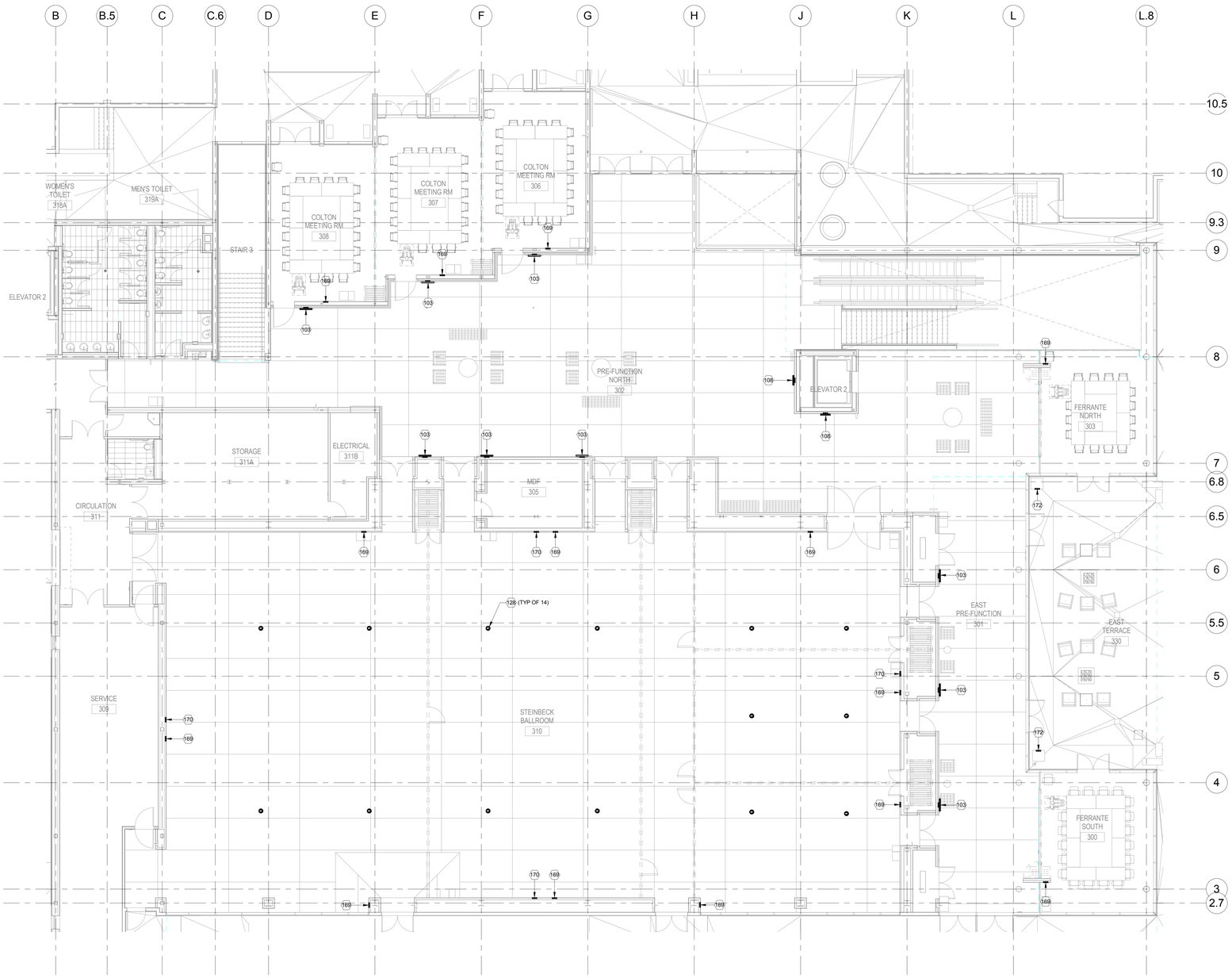
AV SYSTEMS
MEZZANINE 201
ENLARGED
PLANS

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Checked By: RA	
Scale: 3/16" = 1'-0"	

Agreement #: Ag-5097 - Page 330 Approved as to Form CAO RISK 329

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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

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

Architect:

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ONE FRONT STREET,
SAN FRANCISCO, CA 94111

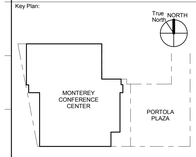
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No.	Description:	Date:
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	BID SET	26 AUG 2015

Key Plan:



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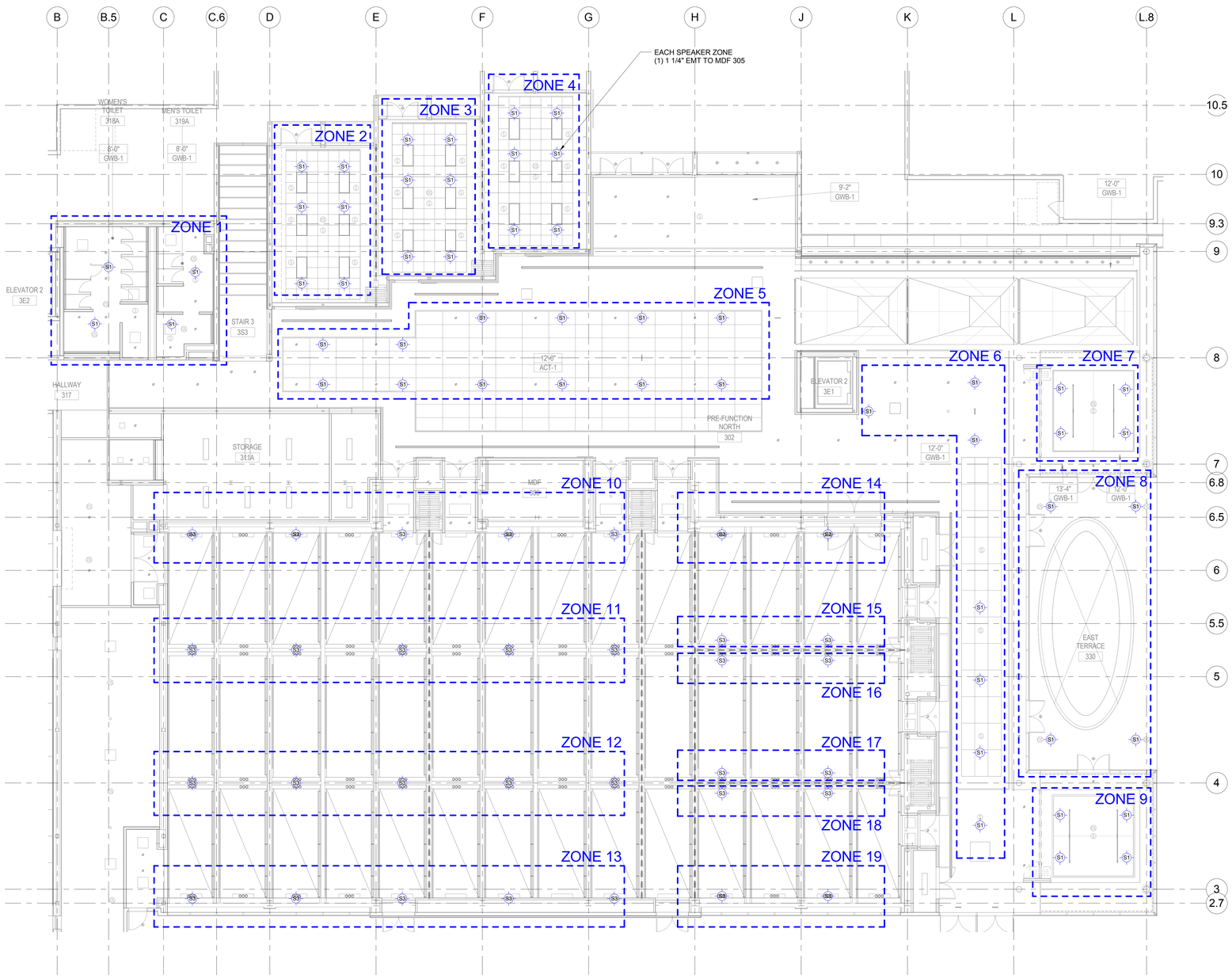
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AV SYSTEMS
STEINBECK
BALLROOM 310
ENLARGED PLAN

Project No.: 14466	Sheet No.: TA3.30
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Checked By: RA	
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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

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

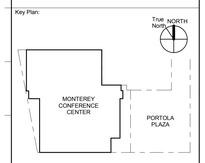
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San Francisco, CA 94105
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No.	Description:	Date:
	PERMIT SET	15 JUNE 2015
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	BID SET	26 AUG 2015

Key Plan:



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Sheet Name:

AV SYSTEMS
STEINBECK
BALLROOM 310
ENLARGED RCP

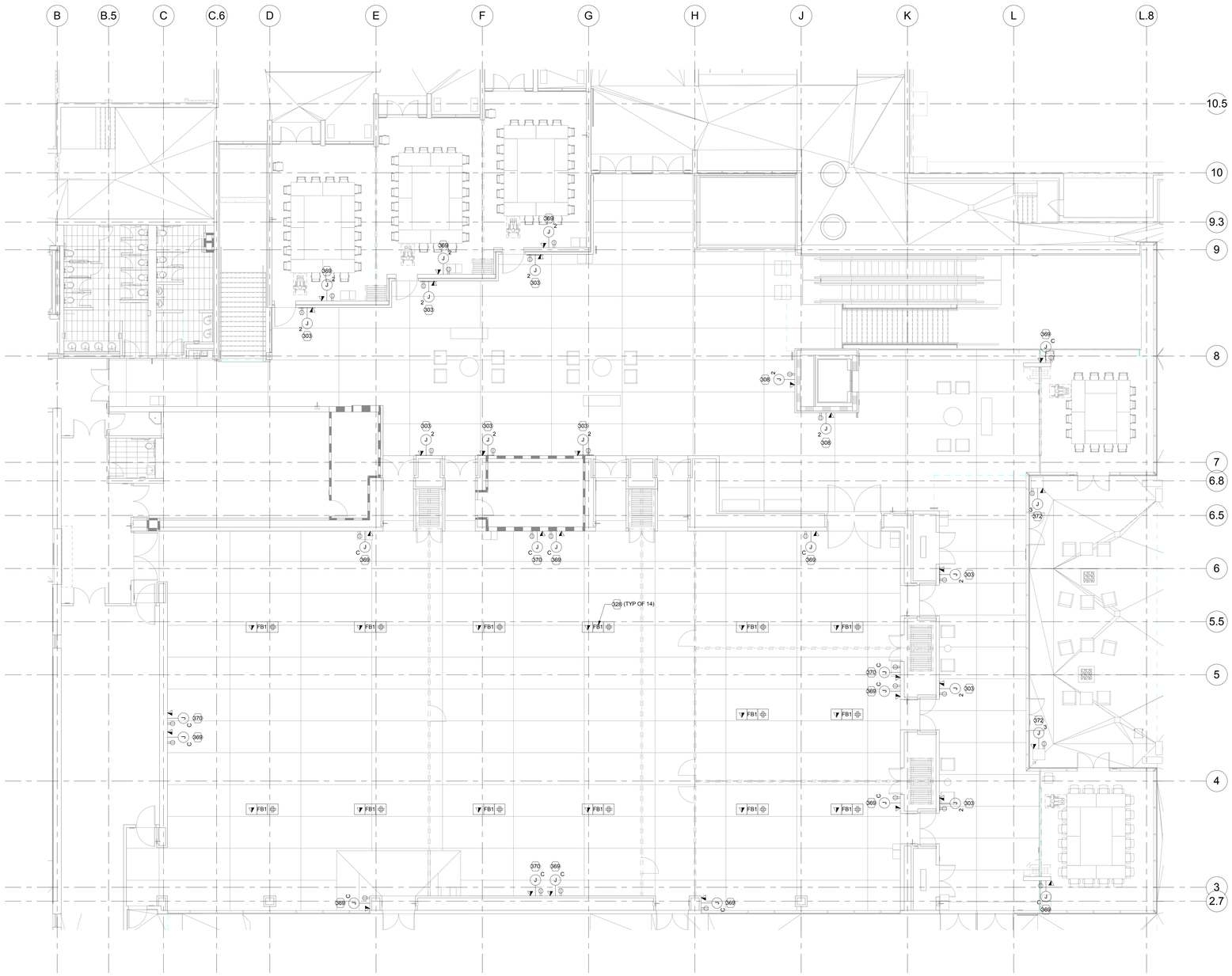
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Sheet No.: TA3.31

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2/10/2015 2:59:09 PM

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

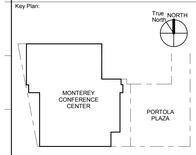
580 PACIFIC STREET, MONTEREY, CA 93940
TEL: (831) 646-5601

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

Consultants:
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SHEN MILSOM WILKE
33 New Montgomery Street
San Francisco, CA 94105
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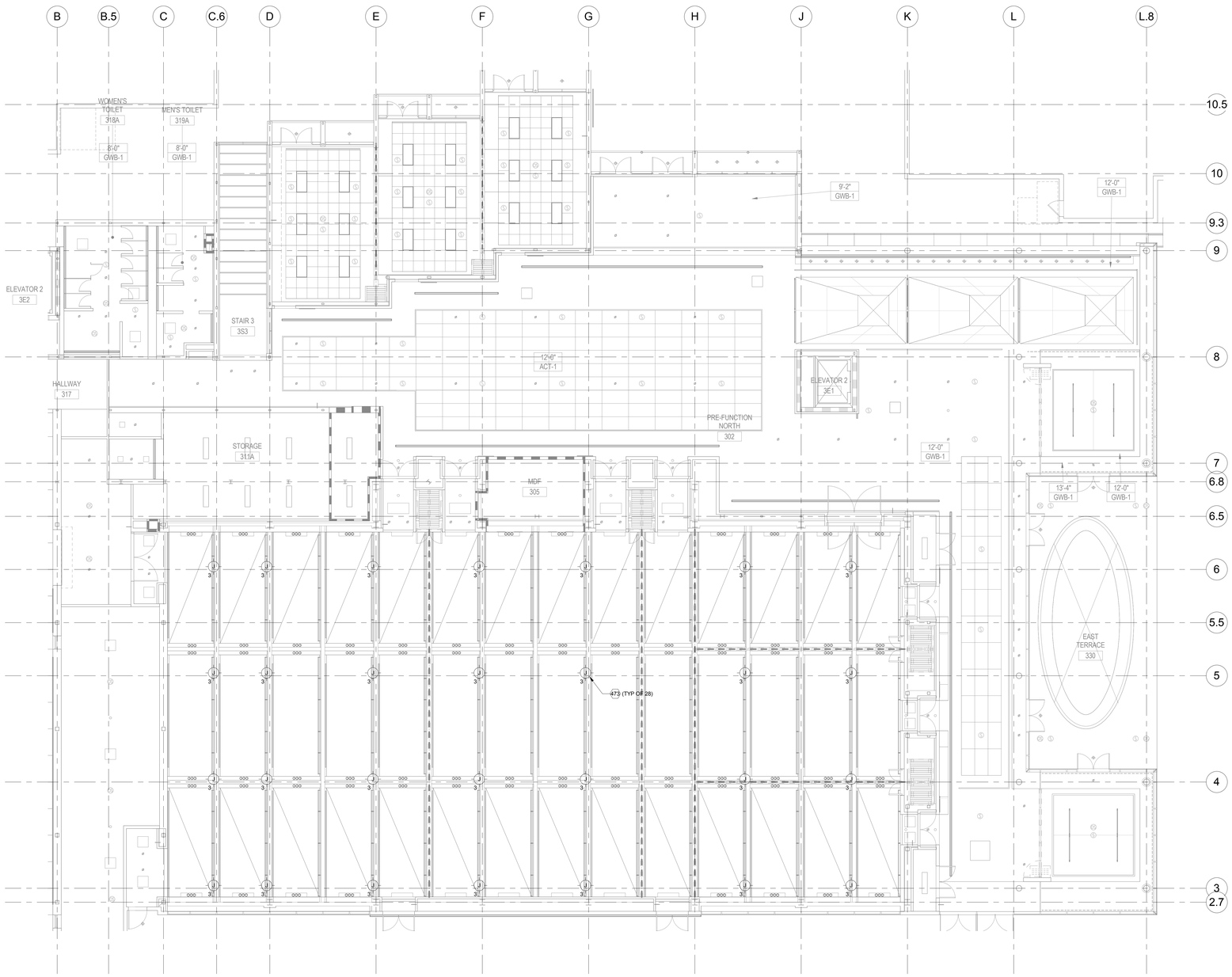
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STEINBECK
BALLROOM 310
ENLARGED PLAN

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Checked By: RA	
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473	AV CONNECTION PLATE - TYPE E - (1) 1-1/4" EMT TO MDF 305



1 REFLECTED CEILING PLAN - AV ELECTRICAL
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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ONE FRONT STREET,
SAN FRANCISCO, CA 94111

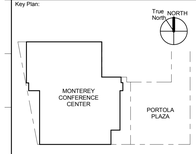
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	BID SET	26 AUG 2015

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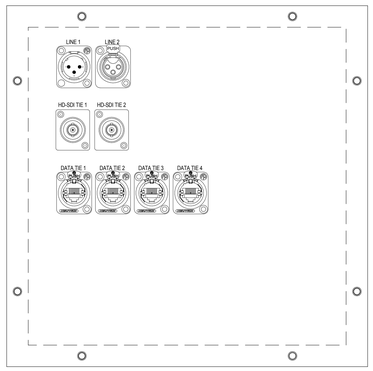
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STEINBECK
BALLROOM 310
ENLARGED RCP

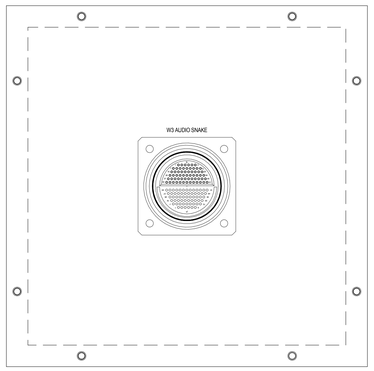
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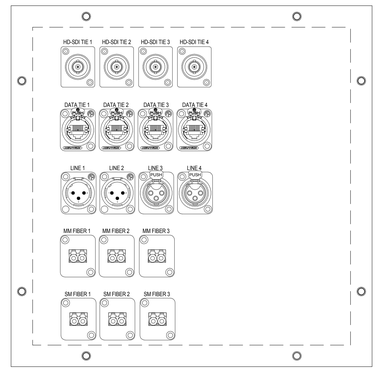
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5 CPT–5
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4 CPT–4
CUSTOM PLATE DETAIL – TYPE D
SCALE: NTS

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CITY HALL

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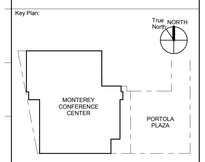
Architect:
SOM
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ONE FRONT STREET,
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Consultants:
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	90% PROJECT COMPLETION	28 JULY 2015
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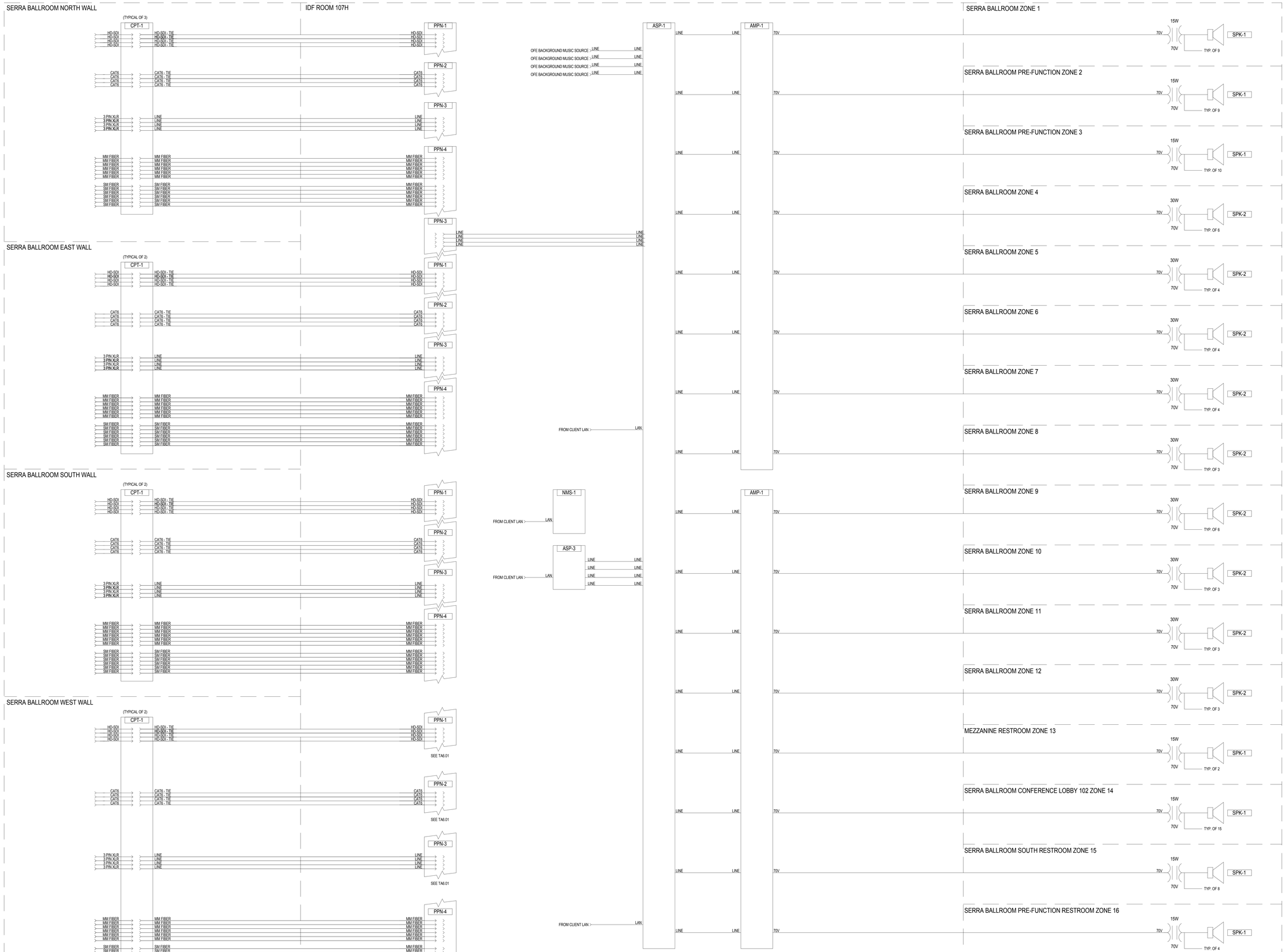
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Project No.:	Sheet No.:
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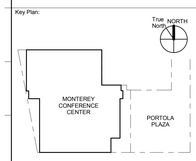
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AV SYSTEMS FUNCTIONAL DIAGRAM

Project No.:	14466	Sheet No.:
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SERRA BALLROOM CONFERENCE LOBBY

IDF ROOM 107H

(TYPICAL OF 2)

CPT-3

HD-SDI
HD-SDI

HD-SDI - TIE
HD-SDI - TIE

SEE TA6.00
PPN-1
HD-SDI
HD-SDI

CAT6
CAT6
CAT6
CAT6

CAT6 - TIE
CAT6 - TIE
CAT6 - TIE
CAT6 - TIE

SEE TA6.00
PPN-2
CAT6
CAT6
CAT6
CAT6

XLR
XLR

XLR
XLR

SEE TA6.00
PPN-3
HD-SDI
HD-SDI

CSP-1

FROM CLIENT LAN → LAN

RS-232 → TO LIGHTING CONTROL

SERRA BALLROOM NORTH WALL

CPT-2

WHIRLWIND W3

42 PAIR CABLE

CPT-2

WHIRLWIND W3

42 PAIR CABLE

SERRA BALLROOM SOUTH WALL

42 PAIR CABLE

CPT-2

WHIRLWIND W3

42 PAIR CABLE

CPT-2

WHIRLWIND W3

SERRA BALLROOM EAST WALL

CPT-2

WHIRLWIND W3

42 PAIR CABLE

SERRA BALLROOM WEST WALL

42 PAIR CABLE

CPT-2

WHIRLWIND W3

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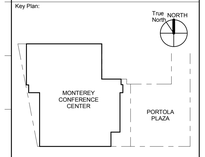
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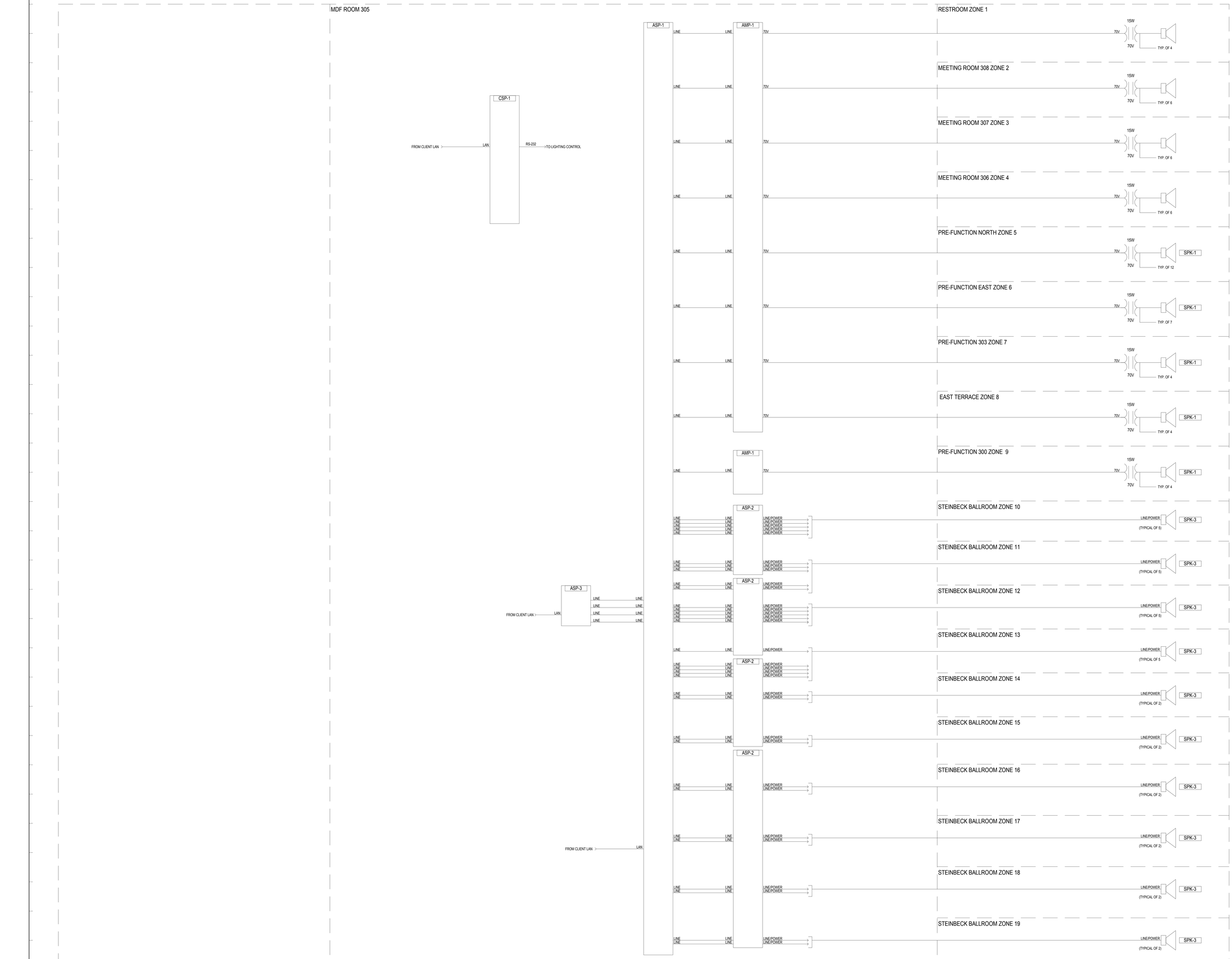
Sheet Name:

AV SYSTEMS FUNCTIONAL DIAGRAM

Project No.:	14466	Sheet No.:
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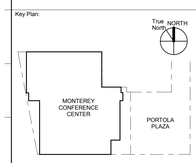
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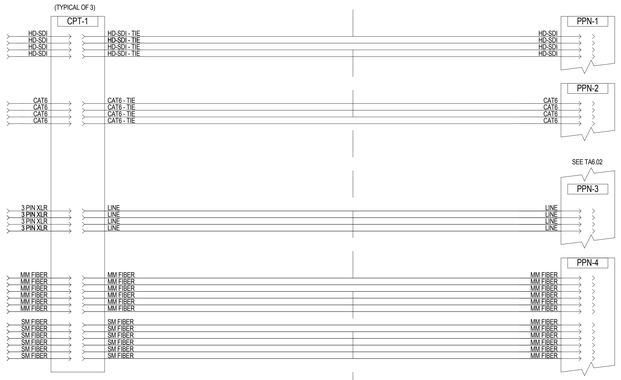
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Project No.:	14466	Sheet No.:
Drawn By:	RM	TA6.02
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STIENBECK BALLROOM NORTH WALL

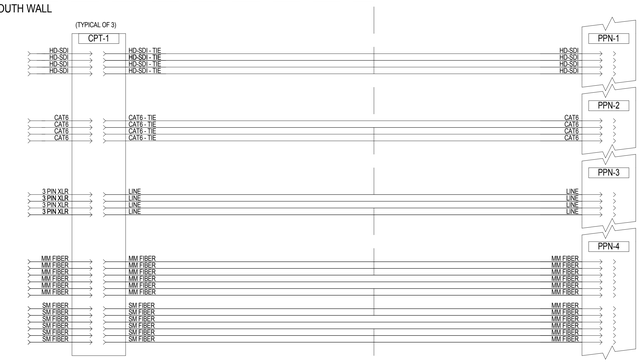


MDF ROOM 305

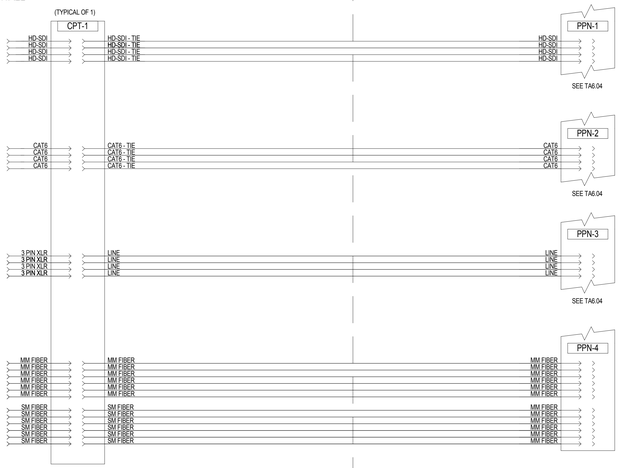
STIENBECK BALLROOM EAST WALL



STIENBECK BALLROOM SOUTH WALL



STIENBECK BALLROOM WEST WALL



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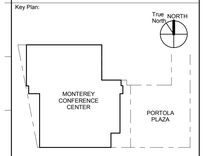
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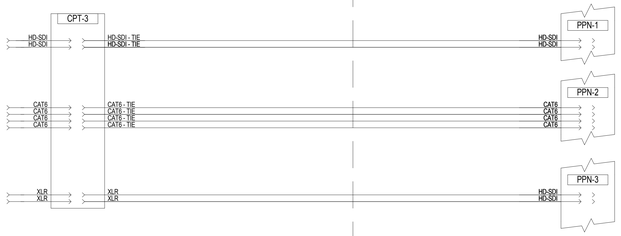
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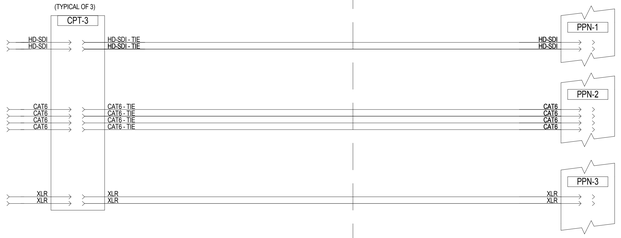
STEINBECK BALLROOM PRE-FUNCTION NORTH



STEINBECK BALLROOM PRE-FUNCTION EAST



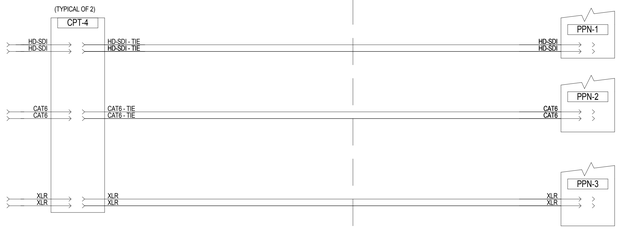
STEINBECK BALLROOM MEETING ROOMS



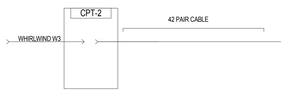
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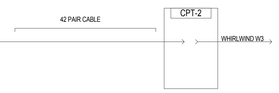
TERRACE PEDESTAL



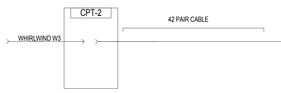
STEINBECK BALLROOM SOUTH WALL



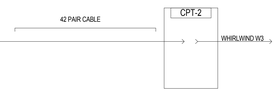
STEINBECK BALLROOM NORTH WALL



STEINBECK BALLROOM WEST WALL



STEINBECK BALLROOM EAST WALL



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TEL: (831) 646-5601

Architect:

SOM

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SAN FRANCISCO, CA 94111

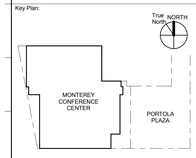
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No.	Description:	Date:
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AV SYSTEMS FUNCTIONAL DIAGRAM

Project No.:	Sheet No.:
14466	TA6.04
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STIENBECK BALLROOM NORTH WALL

MDF ROOM 305

(TYPICAL OF 3)



STIENBECK BALLROOM EAST WALL

(TYPICAL OF 2)



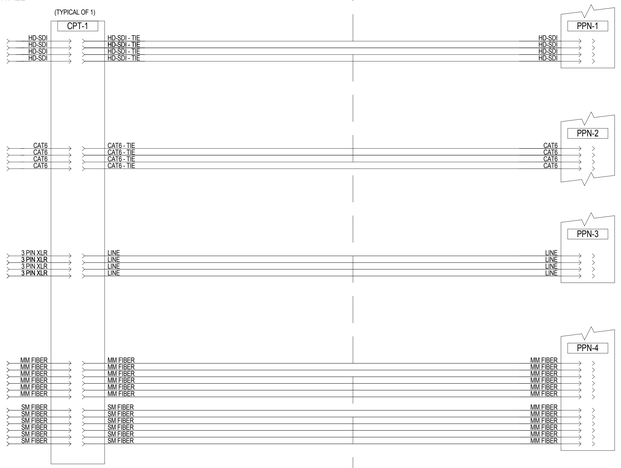
STIENBECK BALLROOM SOUTH WALL

(TYPICAL OF 3)



STIENBECK BALLROOM WEST WALL

(TYPICAL OF 1)



STIENBECK BALLROOM CEILING

(TYPICAL OF 28)



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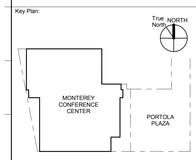
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GENERAL NOTES

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) DENOTES DRAWING NUMBER

SECTION REFERENCE:
- (X) DENOTES DETAIL NUMBER
- (Y) DENOTES 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.

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

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

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	*	*

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

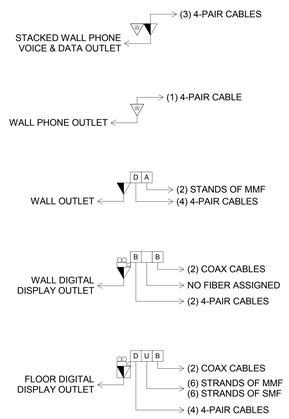
COAX DESIGNATION:

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

THIRD DESIGNATION LETTER (A-L) DENOTES QUANTITY OF COAX CABLES

EXAMPLE:
"B" DESIGNATION IS (2) COAX CABLES

SYMBOL DESIGNATION EXAMPLES



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
TT7.00	TELECOM RACK ELEVATION
TT7.01	TELECOM RACK ELEVATION
TT7.02	TELECOM RACK ELEVATION
TT7.03	TELECOM RACK ELEVATION

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ONE PORTOLA PLAZA

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CITY HALL

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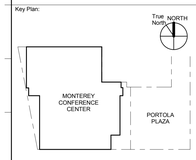
Architect:
SOM
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

Consultants:
SM&W
SHEN MILSOM WILKE
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Tel: 415-391-7610

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	BID SET	26 AUG 2015

Key Plan:



Seal & Signature:

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



1 TELECOM FLOOR PLAN - LEVEL 1
3/32" = 1'-0"

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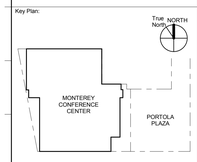
Architect:
SOM
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
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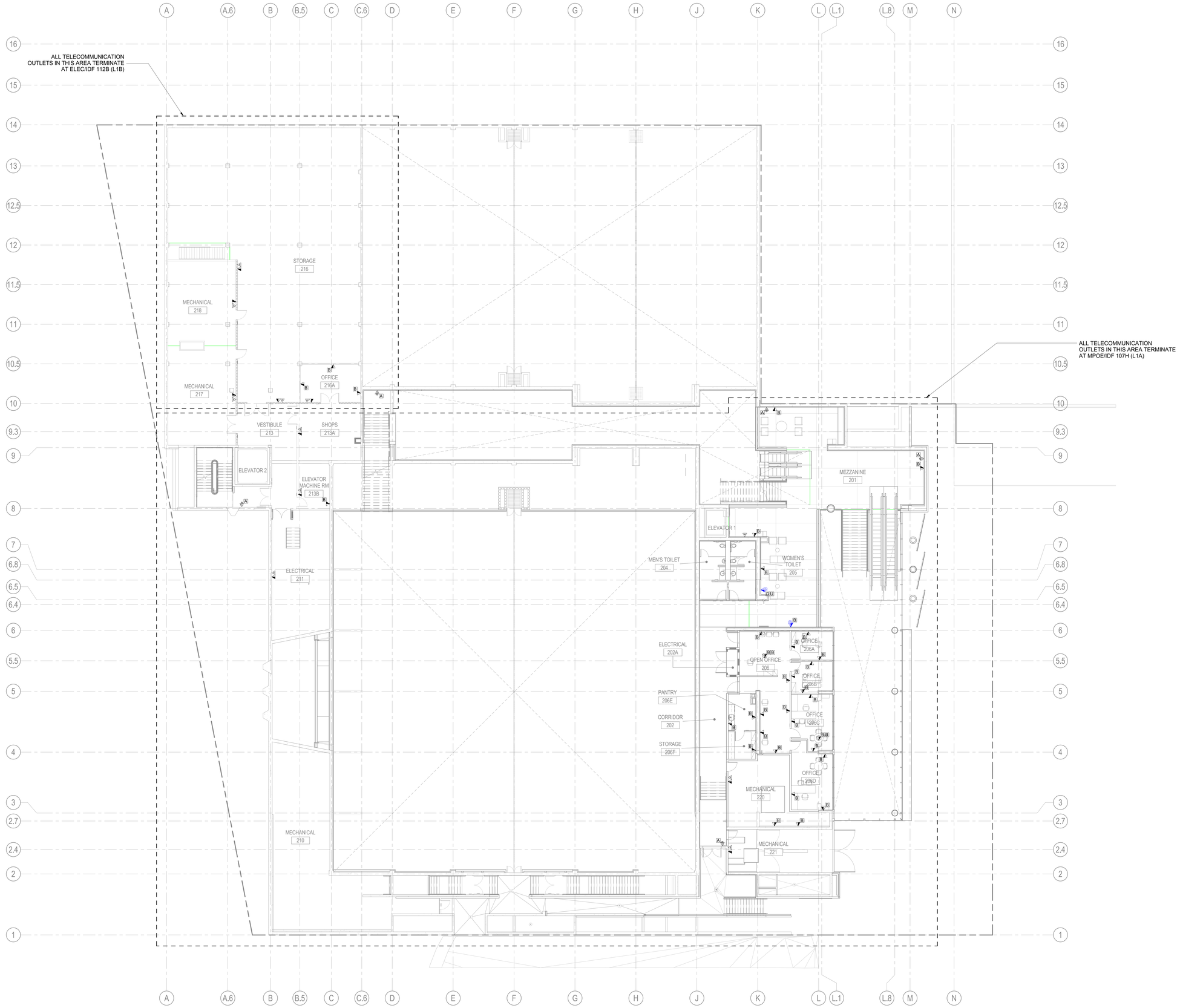


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Sheet Name:

TELECOM FLOOR PLAN - LEVEL 1

Project No.: 14466	Sheet No.: TT2.01
Drawn By: RM	
Checked By: RA	
Scale: 3/32" = 1'-0"	



1 TELECOM FLOOR PLAN - MEZZANINE LEVEL
3/32" = 1'-0"

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Agreement #: Ag-5097 - Page 332 of 329

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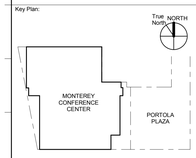
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	PERMIT SET	15 JUNE 2015
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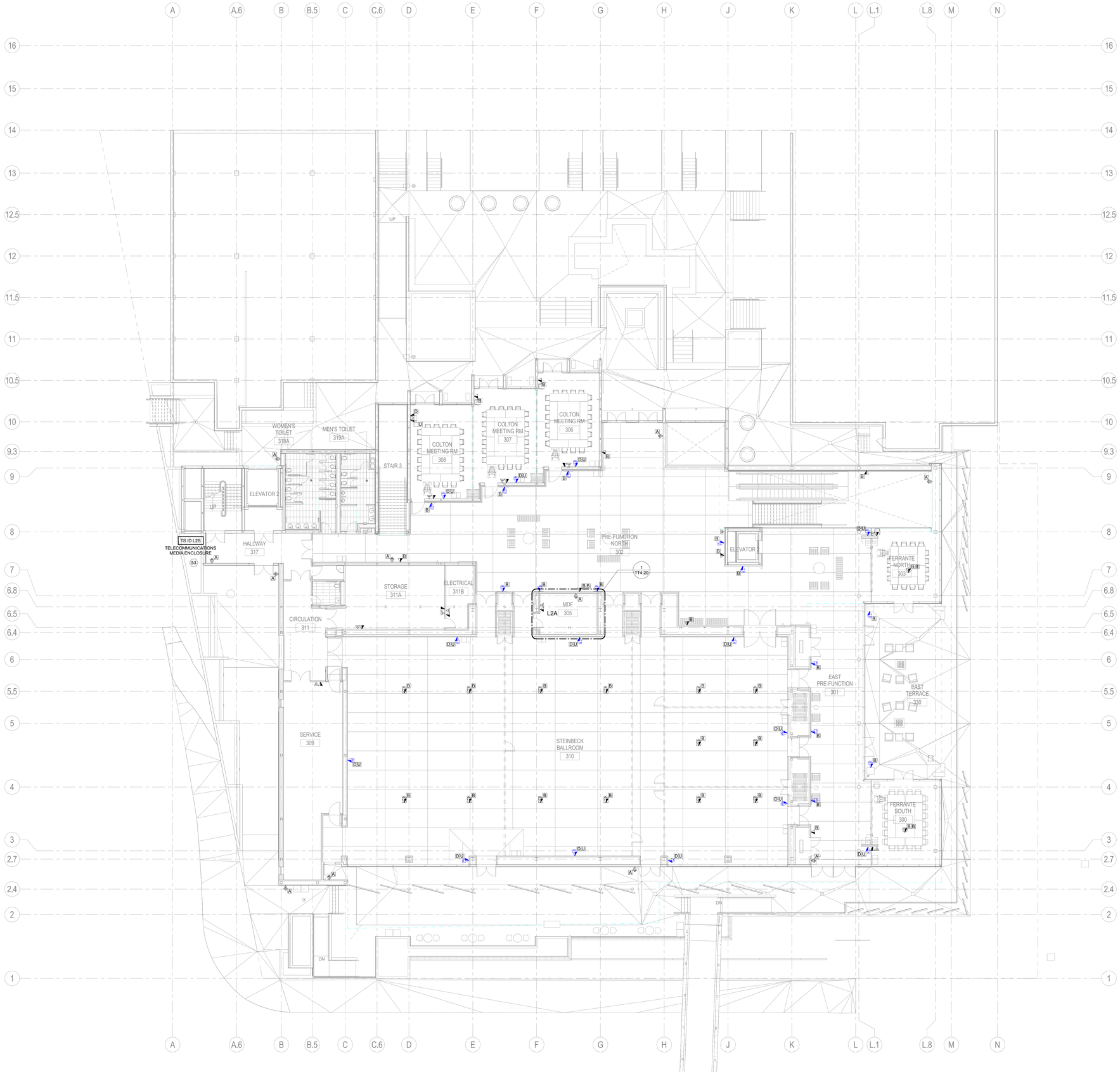
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Sheet Name:

TELECOM FLOOR PLAN - MEZZANINE LEVEL

Project No.:	14466	Sheet No.:
Drawn By:	RM	TT2.02
Checked By:	RA	
Scale:	3/32" = 1'-0"	

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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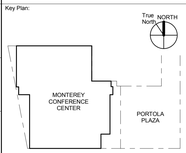
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No.	Description:	Date:
	PERMIT SET	15 JUNE 2015
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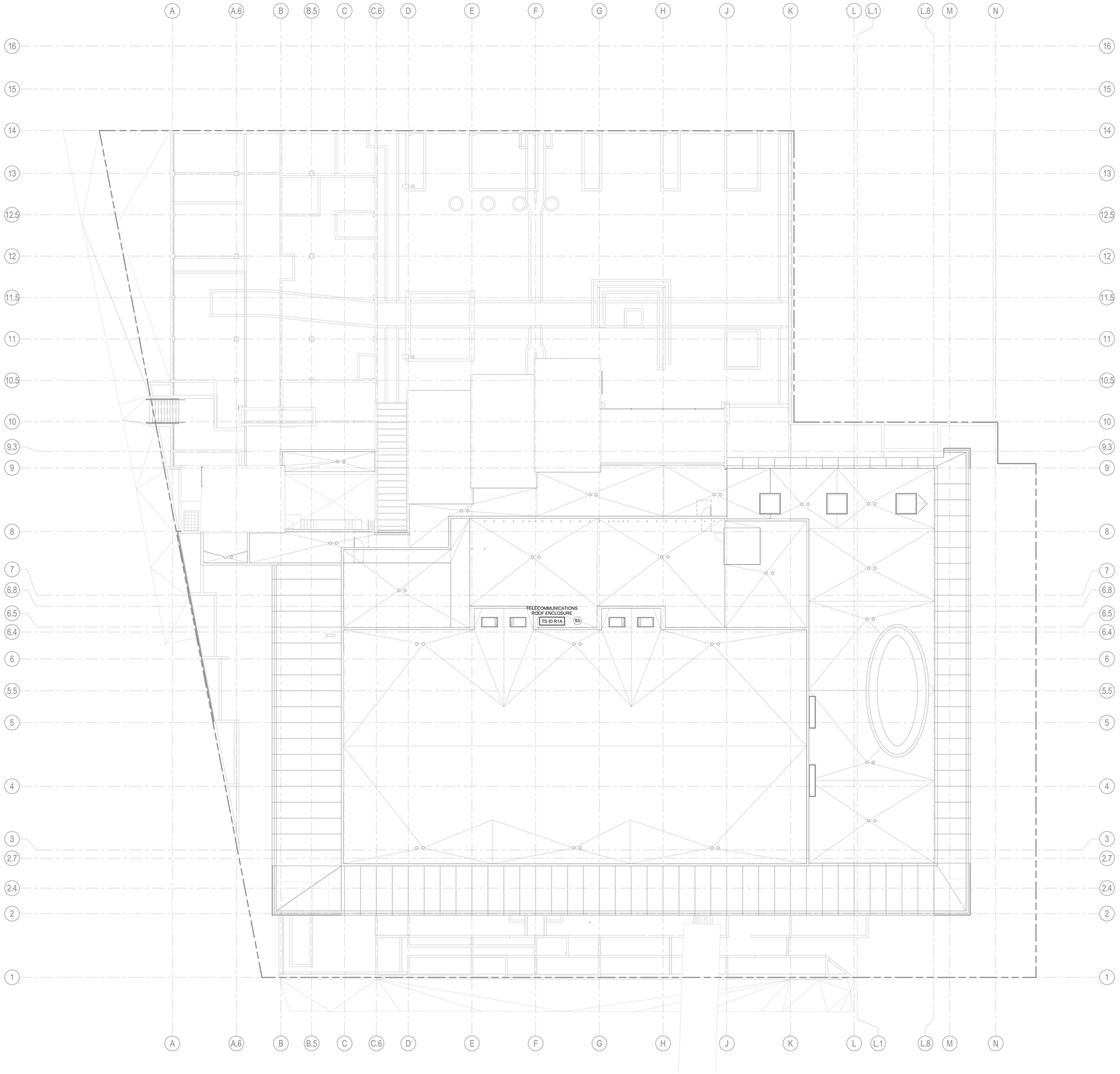
TELECOM FLOOR PLAN - LEVEL 2

Project No.:	14466
Drawn By:	RM
Checked By:	RA
Scale:	3/32" = 1'-0"

Sheet No.: TT2.03

Agreement #: Ag-5097 - Page 332 of 329
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53	(1) QUAD 5-20R RECEPTACLE



1 TELECOM FLOOR PLAN - ROOF
3/32" = 1'-0"

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Consultants:

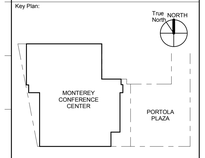
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No.	Description:	Date:
	PERMIT SET	15 JUNE 2015
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	BID SET	26 AUG 2015

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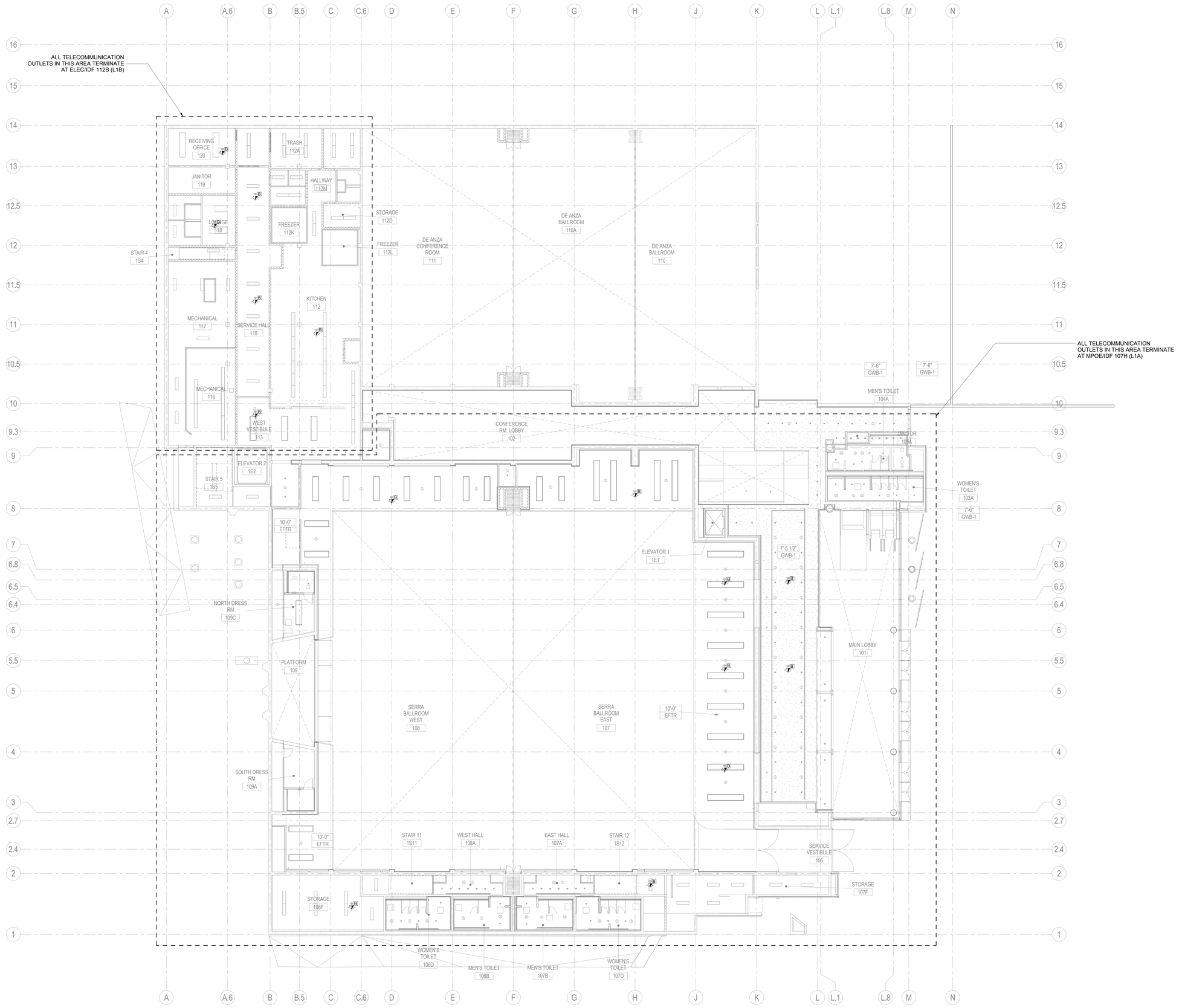
TELECOM FLOOR PLAN - ROOF

Project No.:	14466
Drawn By:	RM
Checked By:	RA
Scale:	3/32" = 1'-0"

Sheet No.: TT2.04

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1 TELECOM LEVEL 1 RCP
3/32" = 1'-0"

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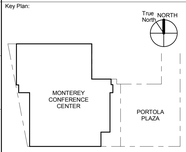
Architect:
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ONE FRONT STREET,
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Key Plan:

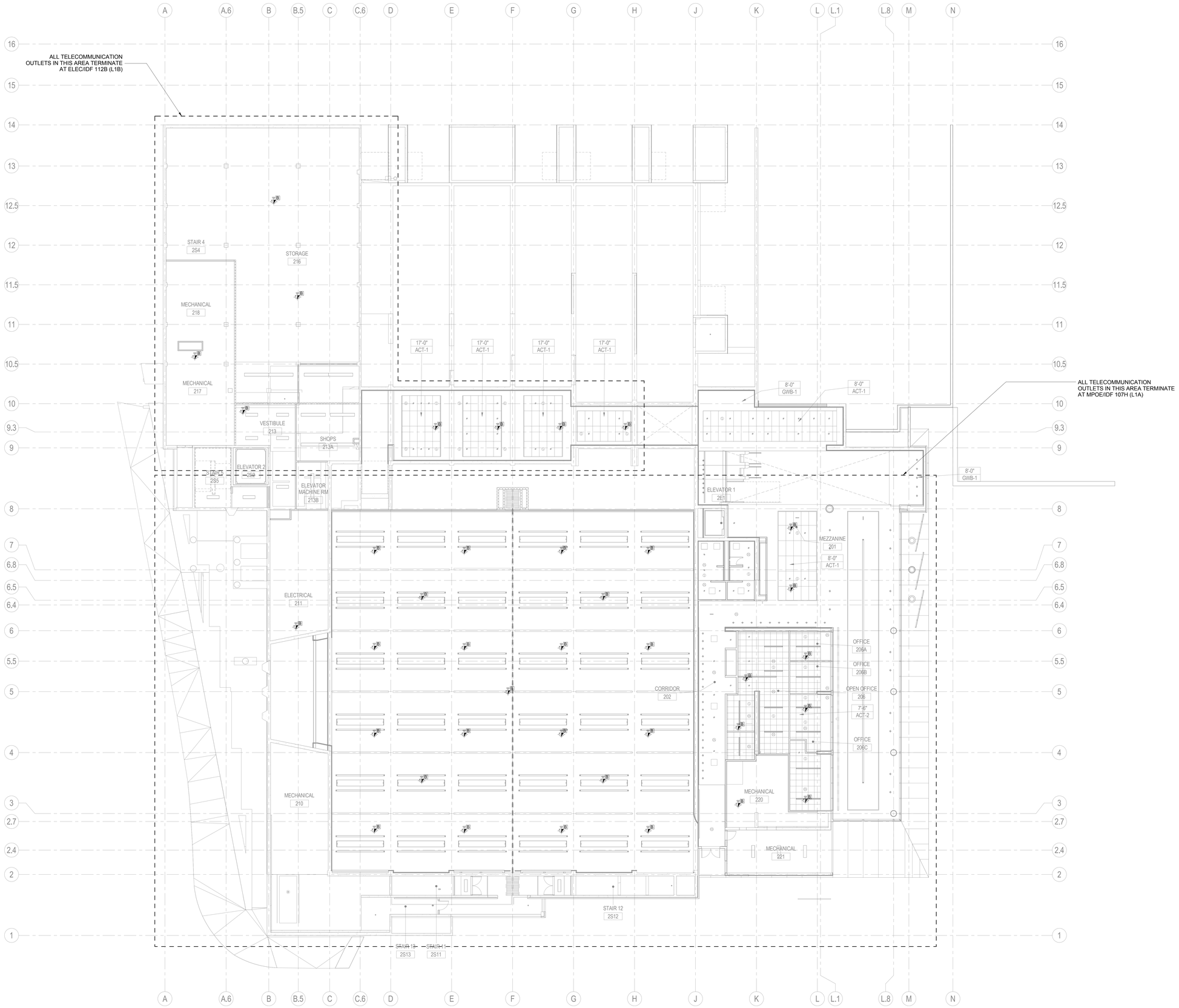


Seal & Signature:

Sheet Name:

TELECOM REFLECTED CEILING PLAN - LEVEL 1

Project No.:	Sheet No.:
14466	TT3.01
Drawn By: RM	
Checked By: RA	
Scale: 3/32" = 1'-0"	



1 TELECOM MEZZANINE LEVEL RCP
3/32" = 1'-0"

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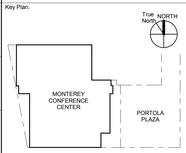
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No.	Description:	Date:
	PERMIT SET	15 JUNE 2015
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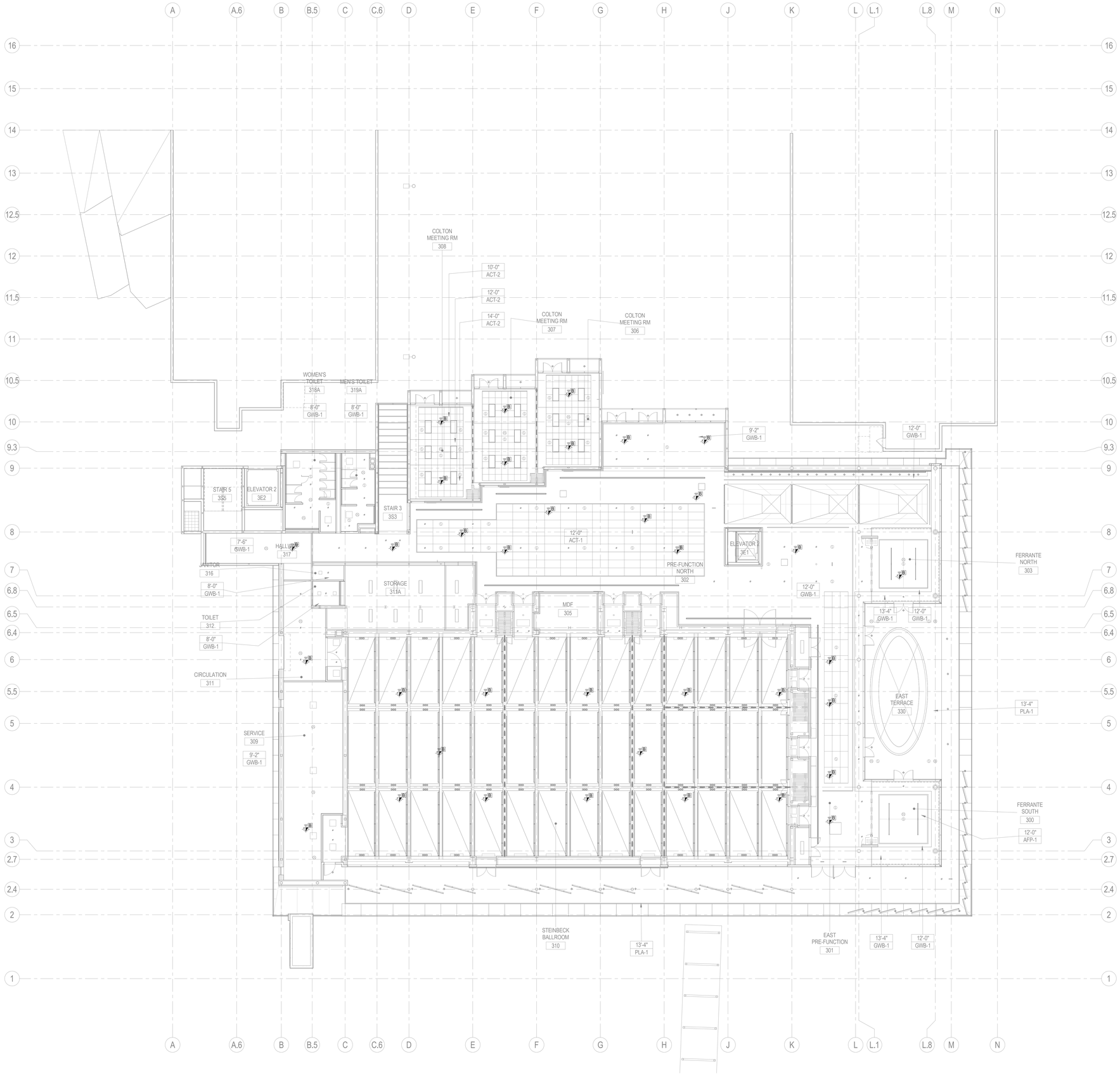
Sheet Name:

TELECOM REFLECTED CEILING PLAN - MEZZANINE LEVEL

Project No.:	14466	Sheet No.:
Drawn By:	RM	TT3.02
Checked By:	RA	
Scale:	3/32" = 1'-0"	

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1 TELECOM LEVEL 2 RCP
3/32" = 1'-0"

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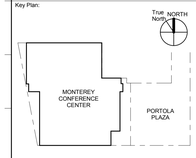
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No.	Description:	Date:
	PERMIT SET	15 JUNE 2015
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Key Plan:



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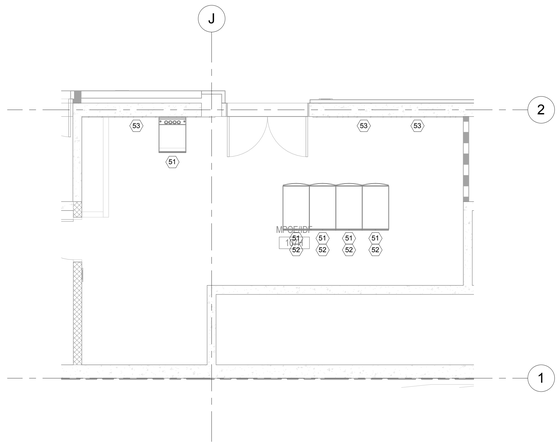
TELECOM REFLECTED CEILING PLAN - LEVEL 2

Project No.:	Sheet No.:
14466	TT3.03
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Checked By: RA	
Scale: 3/32" = 1'-0"	

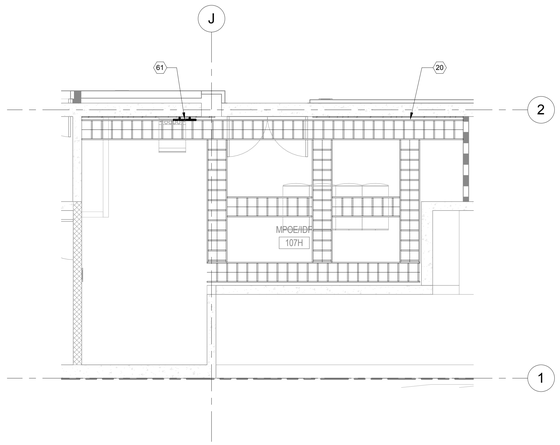
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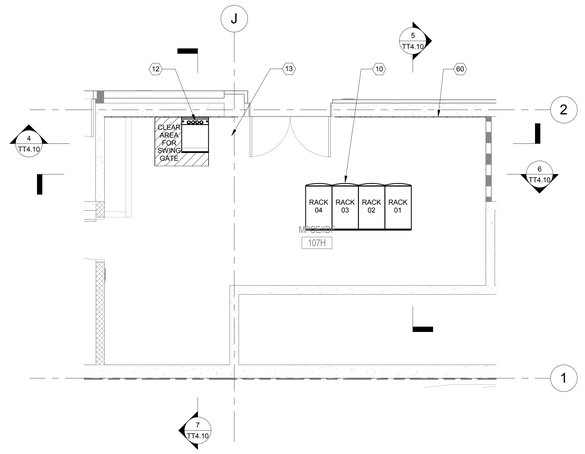
10	EQUIPMENT CABINET
12	SWING GATE RACK
13	MAINTAIN CLEARANCE FOR DOOR SWING
20	CABLE RUNWAY
51	(2) L6-30R RECEPTACLES
52	(2) L5-20R RECEPTACLES
53	(1) QUAD 5-20R RECEPTACLE
60	3/4" FIRE TREATED PLYWOOD
61	TELECOM GROUNDING/BONDING BUSBAR



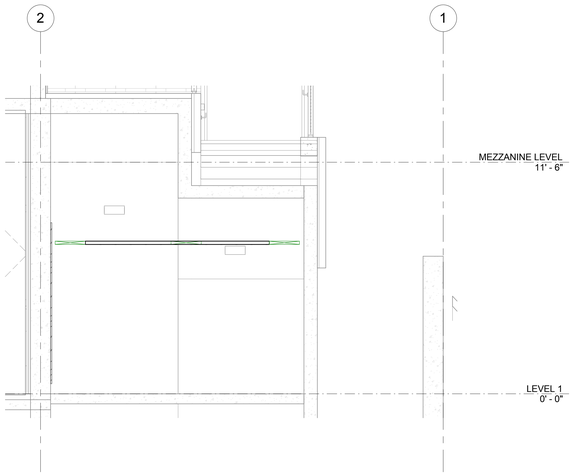
3 MPOE/IDF ROOM ELECTRICAL LAYOUT (L1A)
1/4" = 1'-0"



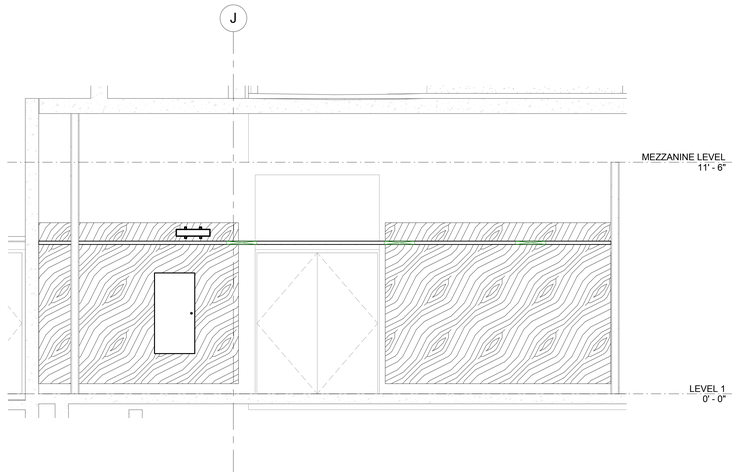
2 MPOE/IDF ROOM CABLE RUNWAYLAYOUT (L1A)
1/4" = 1'-0"



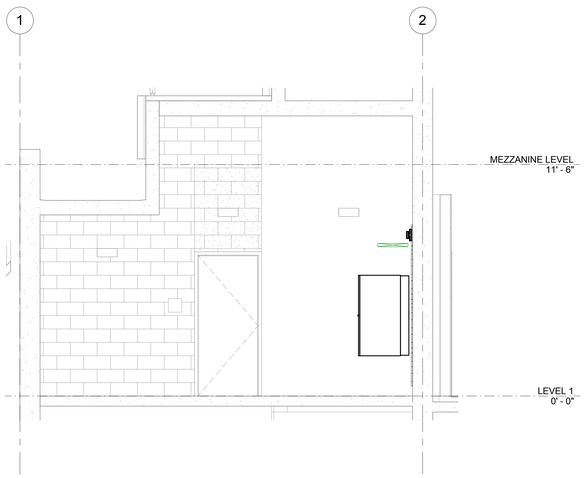
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1/4" = 1'-0"



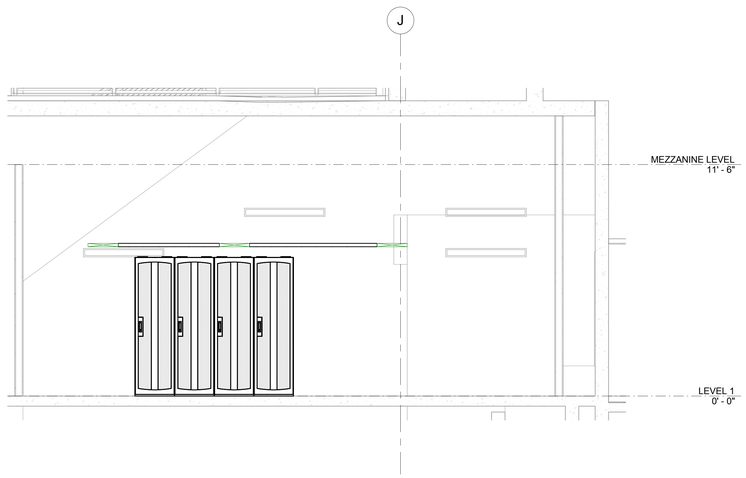
5 PLAN EAST ELEVATION
3/8" = 1'-0"



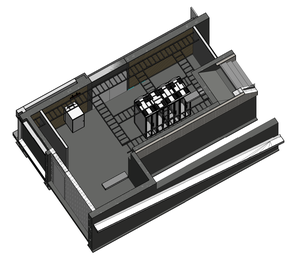
4 PLAN NORTH ELEVATION
3/8" = 1'-0"



7 PLAN WEST ELEVATION
3/8" = 1'-0"



6 PLAN SOUTH ELEVATION
3/8" = 1'-0"



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ONE PORTOLA PLAZA

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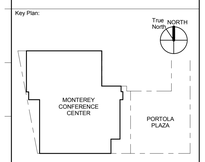
Architect:
SOM
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

Consultants:
SM&W
SHEN MILSOM WILKE
33 New Montgomery Street
San Francisco, CA 94105
Tel: 415-391-7610

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	90% PROJECT COMPLETION	28 JULY 2015
	BID SET	26 AUG 2015

Key Plan:



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Sheet Name:

TELECOM MPOE/IDF ROOM 107H ENLARGED PLANS AND ELEVATIONS

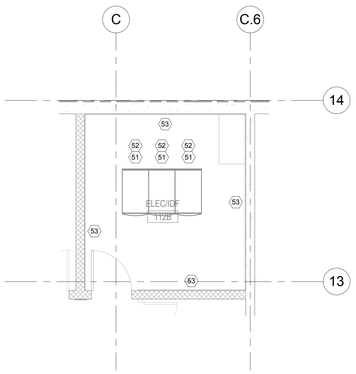
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Drawn By:	RM
Checked By:	RA
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Sheet No.: TT4.10

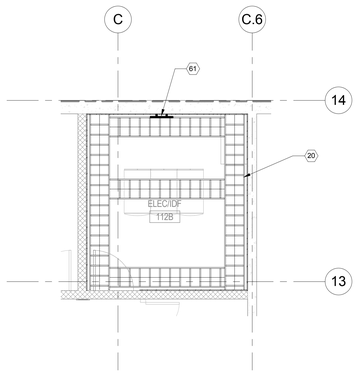
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6/10/2015 3:00:34 PM

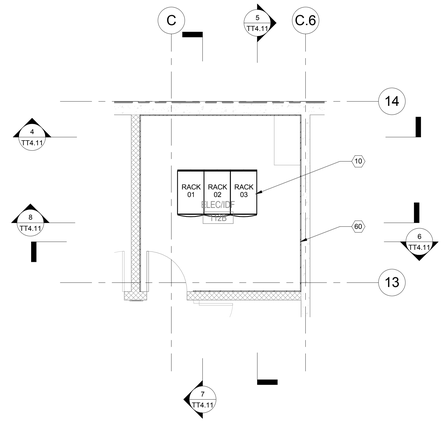
10	EQUIPMENT CABINET
20	CABLE RUNWAY
51	(2) L6-30R RECEPTACLES
52	(2) L5-20R RECEPTACLES
53	(1) QUAD 5-20R RECEPTACLE
60	3/4" FIRE TREATED PLYWOOD
61	TELECOM GROUNDING/BONDING BUSBAR



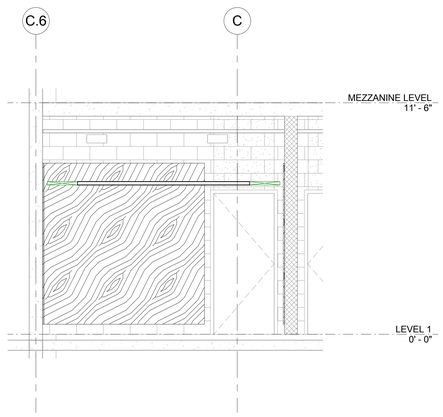
3 IDF ROOM ELECTRICAL LAYOUT (L1B)
1/4" = 1'-0"



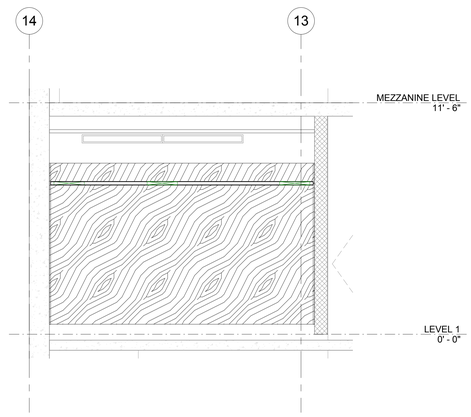
2 IDF ROOM CABLE RUNWAY LAYOUT (L1B)
1/4" = 1'-0"



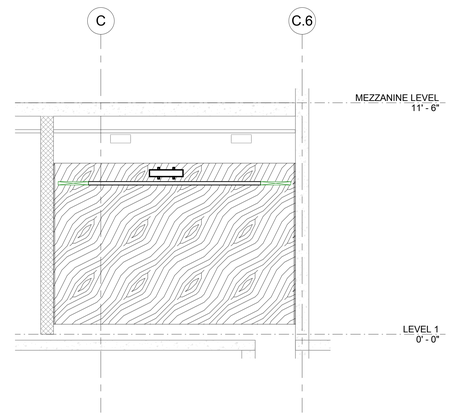
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1/4" = 1'-0"



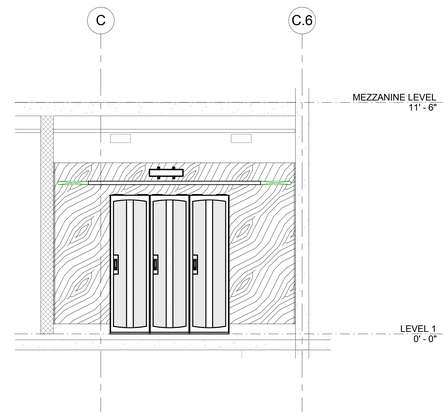
6 TELECOM - IDF ROOM 112B ELEVATION 06 SOUTH WALL
3/8" = 1'-0"



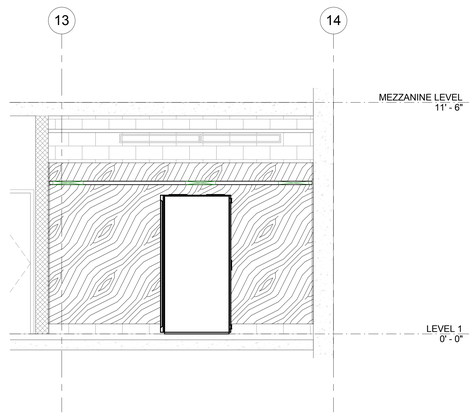
5 TELECOM - IDF ROOM 112B ELEVATION 05 EAST WALL
3/8" = 1'-0"



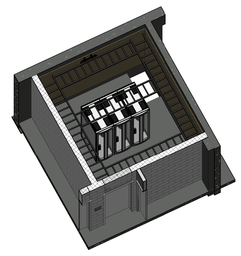
4 PLAN NORTH ELEVATION
3/8" = 1'-0"



8 CABINET ELEVATION
3/8" = 1'-0"



7 TELECOM - IDF ROOM 112B ELEVATION 07 WEST WALL
3/8" = 1'-0"



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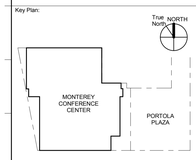
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TELECOM IDF ROOM 112B ENLARGED PLANS AND ELEVATIONS

Project No.:	14466
Drawn By:	RM
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Scale:	As indicated

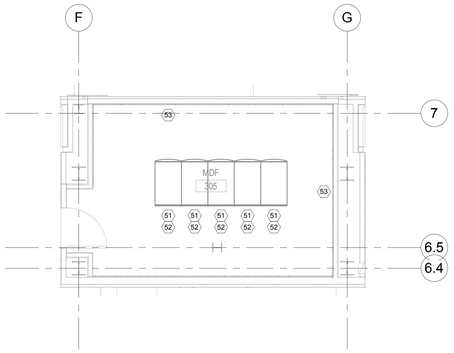
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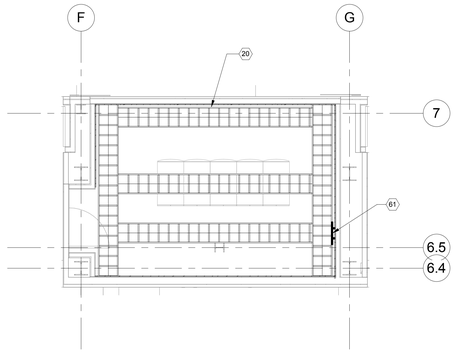
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CAO RDM

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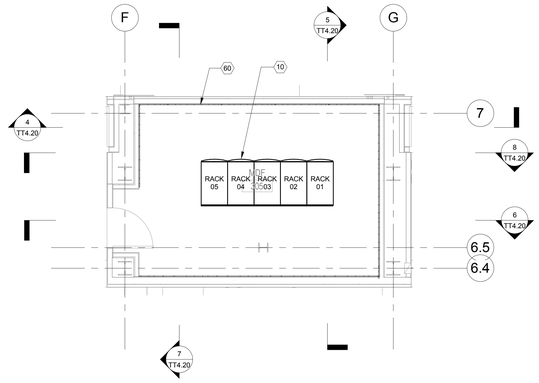
10	EQUIPMENT CABINET
20	CABLE RUNWAY
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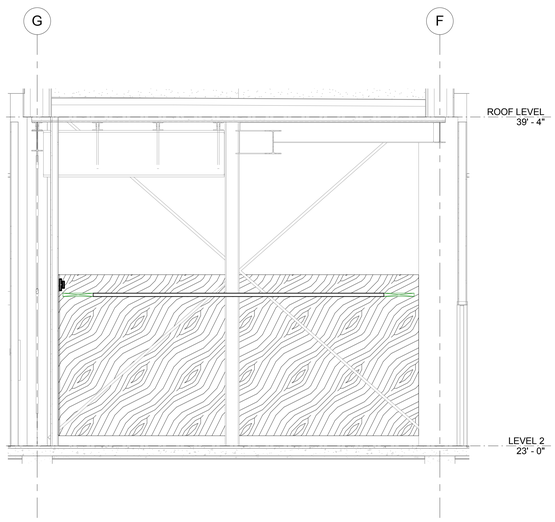
3 MDF ROOM ELECTRICAL LAYOUT (L2A)
1/4" = 1'-0"



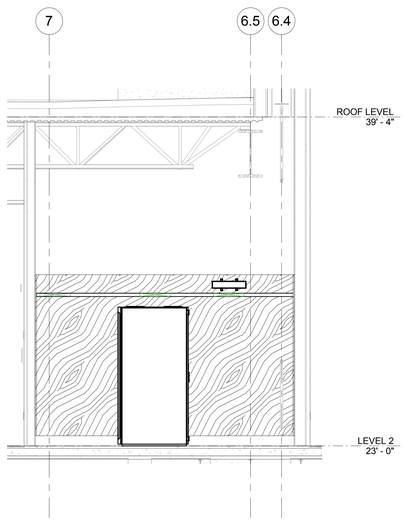
2 MDF ROOM CABLE RUNWAY LAYOUT (L2A)
1/4" = 1'-0"



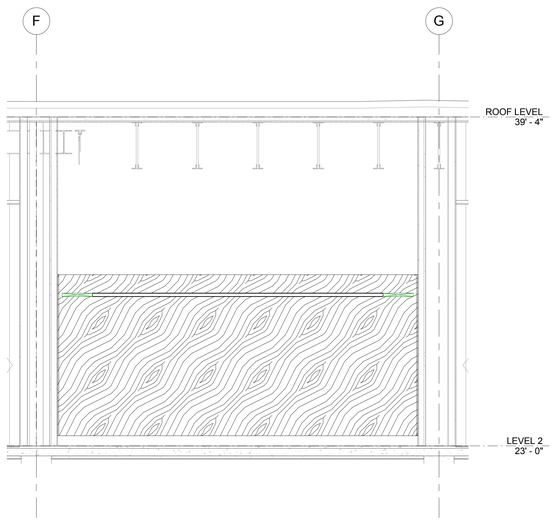
1 MDF ROOM LAYOUT (L2A)
1/4" = 1'-0"



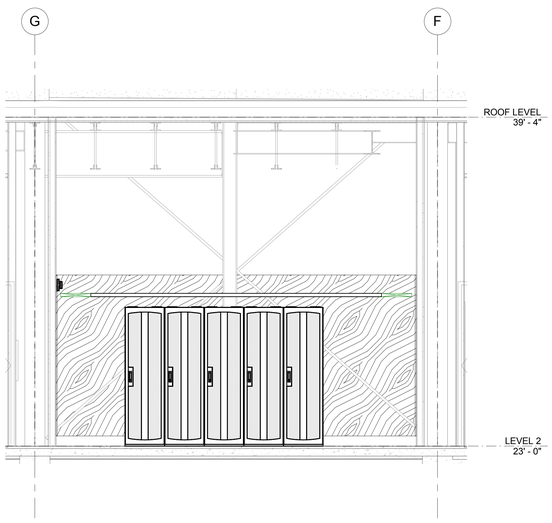
6 PLAN SOUTH ELEVATION
3/8" = 1'-0"



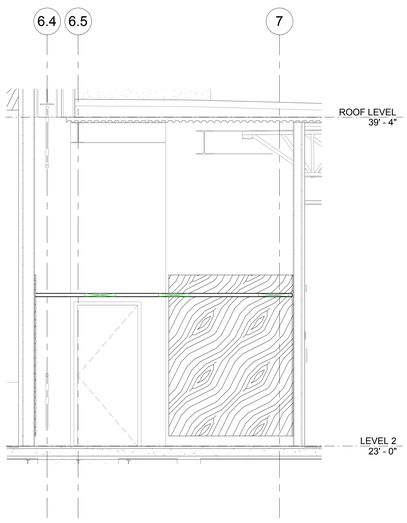
5 PLAN EAST ELEVATION
3/8" = 1'-0"



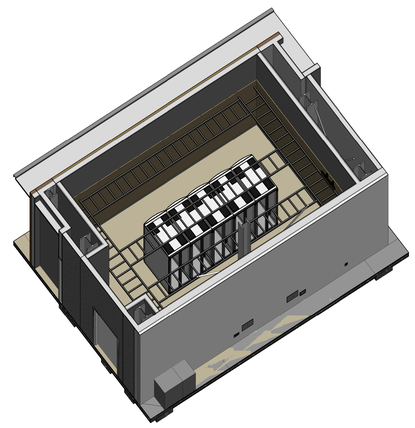
4 PLAN NORTH ELEVATION
3/8" = 1'-0"



8 CABINET ELEVATION
3/8" = 1'-0"



7 PLAN WEST ELEVATION
3/8" = 1'-0"



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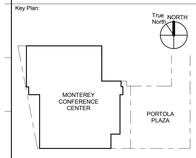
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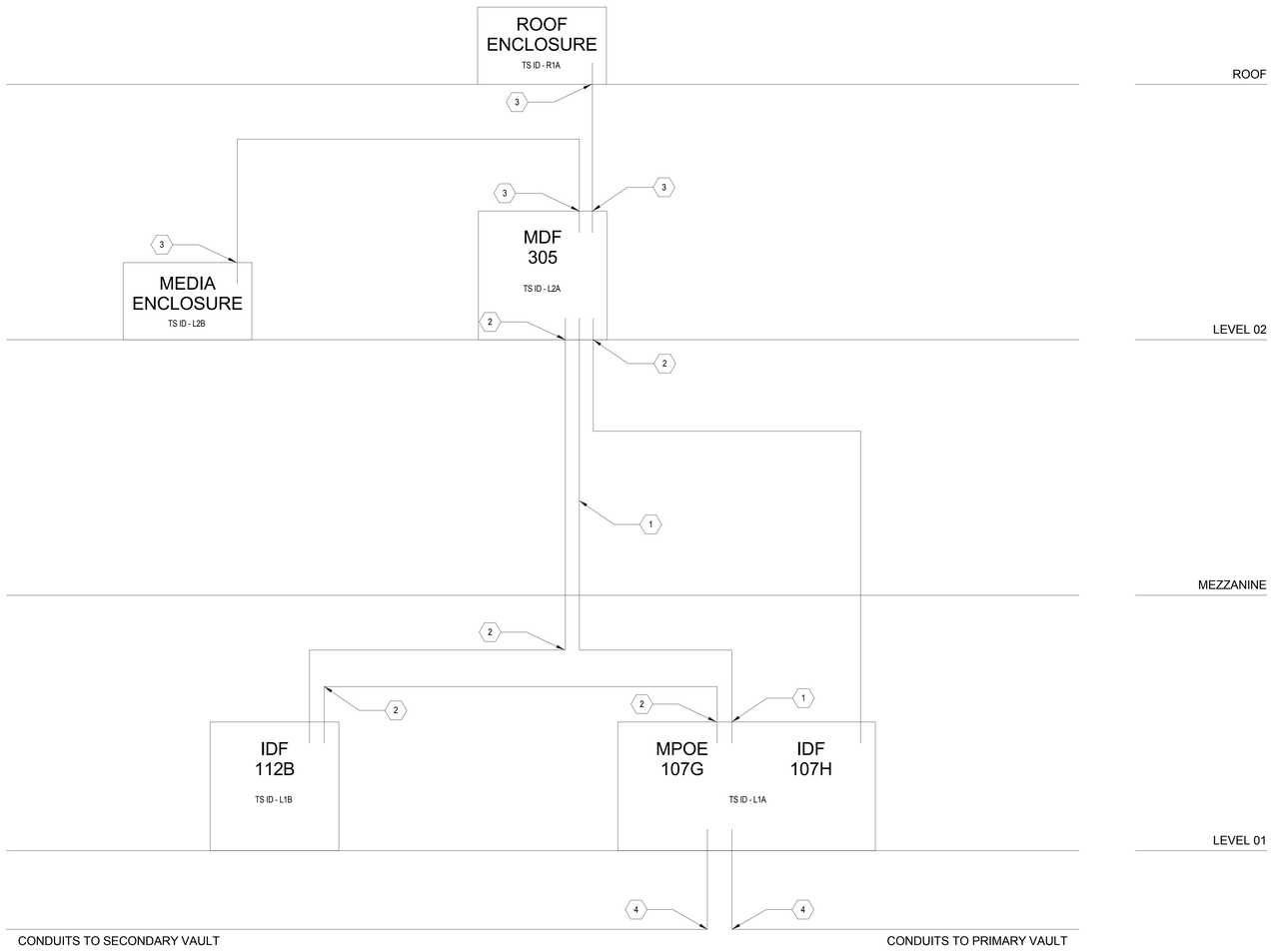
TELECOM MDF ROOM 305 ENLARGED PLANS AND ELEVATIONS

Project No.: 14466	Sheet No.: TT4.20
Drawn By: RM	
Checked By: RA	
Scale: As indicated	

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Agreement #: Ag-5097 - Page 332 of 329

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TELECOM KEY NOTES:

ALL CABLES PLACED IN UNDERGROUND CONDUITS SHALL BE INDOOR/OUTDOOR RATED.

1. (1) 72-STRAND MULTIMODE OPTICAL FIBER
   (1) 144-STRAND SINGLE-MODE OPTICAL FIBER
   (8) 25-PAIR CATEGORY 5E UTP
   (2) RG-11 COAX
2. (1) 24-STRAND MULTIMODE OPTICAL FIBER
   (1) 24-STRAND SINGLE-MODE OPTICAL FIBER
   (1) 25-PAIR CATEGORY 5E UTP
   (2) RG-11 COAX
3. ALL CABLES SHALL BE INDOOR/OUTDOOR RATED TO ROOF TELECOM ENCLOSURE
   (1) 12-STRAND SINGLE-MODE OPTICAL FIBER
   (2) CATEGORY 6A F/UTP
   (4) RG-11 COAX
4. CONNECTIVITY PROVIDED BY SERVICE PROVIDERS

SHEET NOTES:

1. ALL PATHWAYS ARE DIAGRAMMATIC AND ARE SHOWN FOR REFERENCE ONLY.
2. COORDINATE ROUTING AND INSTALLATION OF TELECOM CONNECTIVITY WITH SITE CONDITIONS ADHERING TO CONTRACT DOCUMENTS, INDUSTRY STANDARDS, AND BICSI BEST PRACTICES.
3. PROVIDE MINIMUM 15-FEET SERVICE SLACK AT EACH END OF FIBER OPTIC CABLES INSIDE TELECOM ROOMS. WALL MOUNT SLACK LOOPS ON FACTORY MANUFACTURED FIBER OPTIC SLACK LOOP BRACKETS.
4. PROVIDE MINIMUM 10-FEET SERVICE SLACK FOR ALL COPPER BACKBONE CABLES INSIDE TELECOM ROOMS. SERVICE SLACK TO BE STORED ON CABLE RUNWAY.
5. ALL 4" BACKBONE CONDUITS SHALL BE PROVIDED WITH (3) 3" 3-CELL MAXCELL INNERDUCT IN EACH CONDUIT

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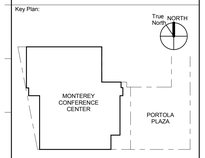
Architect:
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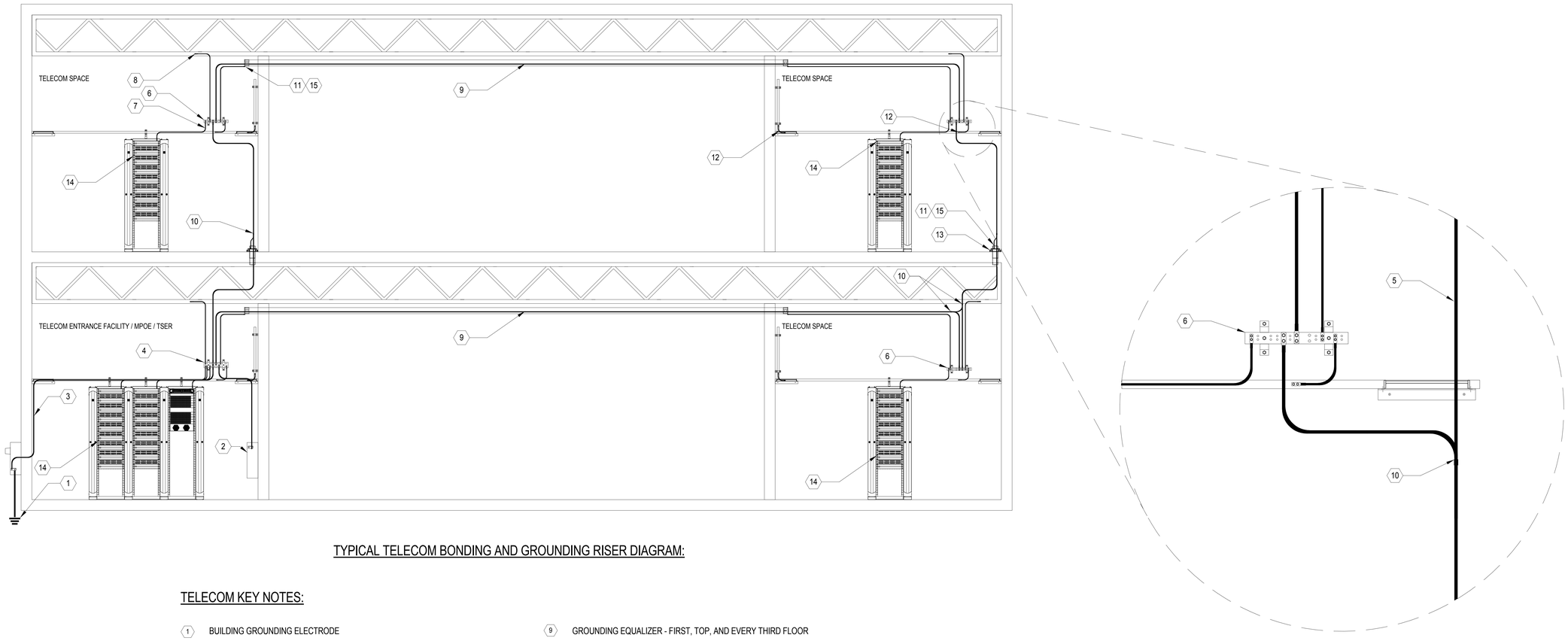
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TELECOM RISER DIAGRAM

Project No.:	Sheet No.:
14466	TT5.00
Drawn By: RM	
Checked By: RA	
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TYPICAL TELECOM BONDING AND GROUNDING RISER DIAGRAM:

TELECOM KEY NOTES:

1. BUILDING GROUNDING ELECTRODE
2. PRIMARY PROTECTOR
3. BONDING CONDUCTOR FOR TELECOMMUNICATIONS (BCT)
4. TELECOMMUNICATIONS MAIN GROUNDING BUSBAR (TMGB)
5. TELECOMMUNICATION BONDING BACKBONE (TBB)
6. TELECOMMUNICATIONS GROUNDING BUSBAR (TGB)
7. TELECOMMUNICATIONS EQUUIPMENT BONDING CONDUCTOR (TEBC) TO RACK
8. BUILDING STEEL BONDING CONNECTION (TYP)
9. GROUNDING EQUALIZER - FIRST, TOP, AND EVERY THIRD FLOOR
10. IRREVERSIBLE EXOTHERMIC OR C-TYPE COMPRESSION TAP CONNECTION TO TBB (TYP)
11. BONDING CONDUCTOR CONNECTION TO PATHWAY (TYP)
12. BONDING METALLIC COMPONENTS (TYP)
13. EZ-PATH FIRE RATED PATHWAY (TYP)
14. STAR WASHER BETWEEN EQUIPMENT AND RACK TO EFFECT BONDING TO RACK (TYP)
15. BOND MAY BE INDIVIDUAL CONDUCTOR OR OPTIONALLY A PIGTAIL SPLICE TO BONDING CONDUCTOR ROUTED INSIDE CONDUIT (TYP)

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10/2015 3:06:49 PM

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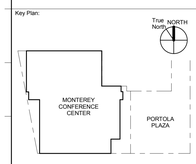
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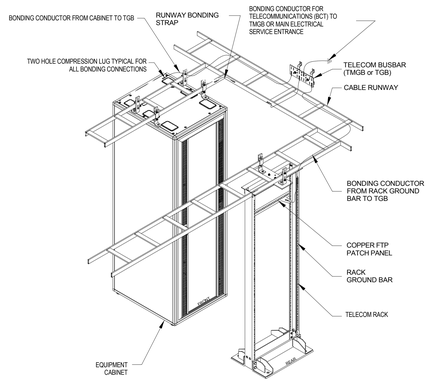


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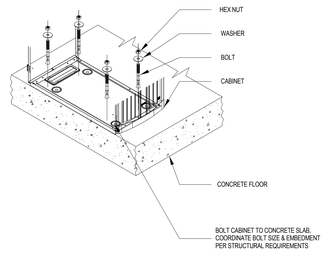
TELECOM BONDING AND GROUNDING RISER DIAGRAM

Project No.:	Sheet No.:
14466	TT5.01
Drawn By: RM	
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Scale: N.T.S.	



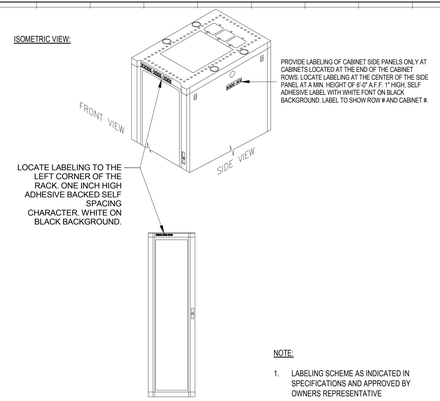
1 TYPICAL BONDING INFRASTRUCTURE
SCALE: NTS

ISOMETRIC VIEW:



2 SECURING CABINET TO CONCRETE
SCALE: NTS

ISOMETRIC VIEW:

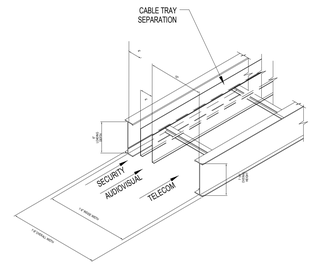


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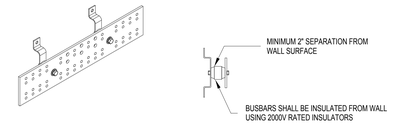
1. LABELING SCHEME AS INDICATED IN SPECIFICATIONS AND APPROVED BY OWNERS REPRESENTATIVE

3 CABINET LABELING & IDENTIFICATION
SCALE: NTS

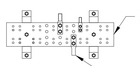
ISOMETRIC VIEW:



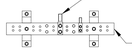
4 COMMUNICATIONS CABLE TRAY SEPARATION – TYPE 1–18" W
SCALE: NTS



TMGB:



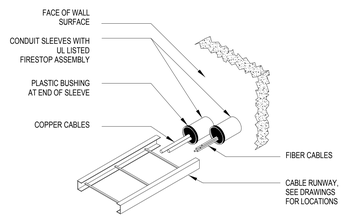
TGB:



NOTE:

1. ALL TELECOMMUNICATIONS GROUNDING BUSBARS SHALL HAVE TIA BOLT PATTERN AS ILLUSTRATED IN J-STD-607
2. ALL TELECOMMUNICATIONS GROUNDING BUSBARS SHALL BE MOUNTED ABOVE CABLE RUNWAY

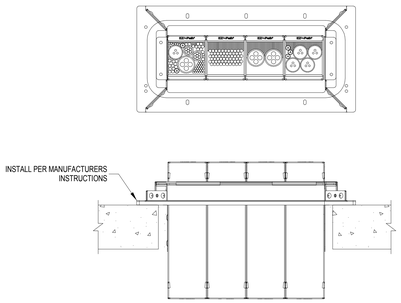
5 TELECOM BUSBARS
SCALE: NTS



NOTE:

1. CABLING FILL RATIO SHALL NOT EXCEED UL LISTED FIRESTOP ASSEMBLY REQUIREMENTS

6 FIRE STOPPING AT WALL SLEEVE/CONDUITS
SCALE: NTS



7 EZ PATH FLOOR INSTALLATION
SCALE: NTS

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CITY HALL

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

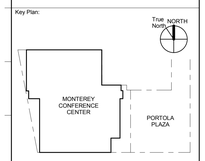
Architect:
SOM
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

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

Key Plan:



Seal & Signature:

Sheet Name:

TELECOM DETAILS

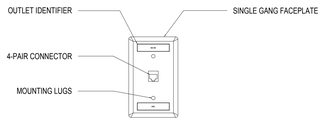
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14466	TT6.00
Drawn By: RM	
Checked By: RA	
Scale: N.T.S.	

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Agreement #: Ag-5097 · Page 33 of 329

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COMPONENT ASSEMBLY:



SYMBOL DESIGNATION:

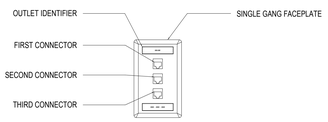


OUTLET NOTES:

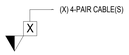
1. CONFIRM THE COLOR OF THE CABLING, CONNECTORS AND COMPONENTS MEET THE PROJECT REQUIREMENTS.
2. COORDINATE SPECIFIC OUTLET LOCATION, HEIGHT AND MOUNTING REQUIREMENTS WITH RESPECTIVE TRADES INVOLVED.

1 WALL–MOUNT PHONE OUTLET
SCALE: NTS

NUMBERING SEQUENCE: 1 - 3 PORTS



SYMBOL DESIGNATION:

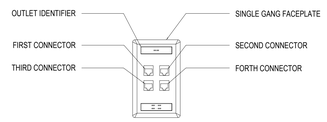


OUTLET NOTES:

1. CONFIRM THE COLOR OF THE CABLING, CONNECTORS AND COMPONENTS MEET THE PROJECT REQUIREMENTS.
2. COORDINATE SPECIFIC OUTLET LOCATION, HEIGHT AND MOUNTING REQUIREMENTS WITH RESPECTIVE TRADES INVOLVED.
3. UNUSED PORTS SHALL HAVE BLANK MODULES.

2 OUTLET NOMENCLATURE
SCALE: NTS

NUMBERING SEQUENCE: 1 - 4 PORTS



SYMBOL DESIGNATION:

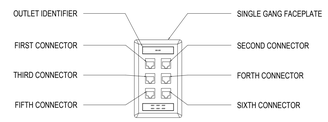


OUTLET NOTES:

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2. COORDINATE SPECIFIC OUTLET LOCATION, HEIGHT AND MOUNTING REQUIREMENTS WITH RESPECTIVE TRADES INVOLVED.
3. UNUSED PORTS SHALL HAVE BLANK MODULES.

3 OUTLET NOMENCLATURE
SCALE: NTS

NUMBERING SEQUENCE: 1 - 6 PORTS



SYMBOL DESIGNATION:



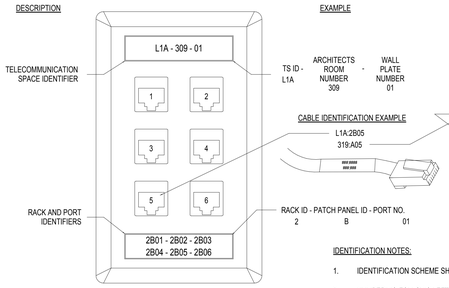
OUTLET NOTES:

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2. COORDINATE SPECIFIC OUTLET LOCATION, HEIGHT AND MOUNTING REQUIREMENTS WITH RESPECTIVE TRADES INVOLVED.
3. UNUSED PORTS SHALL HAVE BLANK MODULES.

4 OUTLET NOMENCLATURE
SCALE: NTS

WALLPLATE IDENTIFICATION

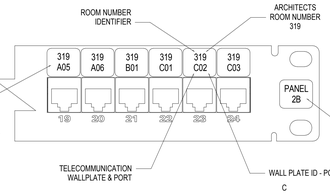
DESCRIPTION



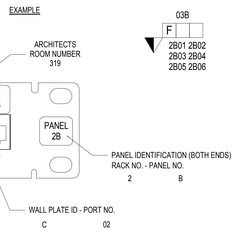
EXAMPLE

PATCH PANEL IDENTIFICATION

DESCRIPTION



EXAMPLE



SHOP DRAWING & AS-BUILT SUBMITTAL EXAMPLE

PANEL IDENTIFICATION (BOTH ENDS)
RACK NO. - PANEL NO.
2 B

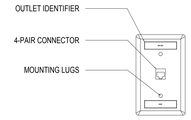
IDENTIFICATION NOTES:

1. IDENTIFICATION SCHEME SHALL BE APPROVED BY OWNER DURING SUBMITTAL PROCESS
2. NUMBERING FOLLOWS LEFT TO RIGHT, THEN TOP TO BOTTOM ON ALL DEVICES
3. LABELS SHALL CONFORM TO SPECIFICATION 27 05 53 COMMUNICATION IDENTIFICATION
4. TELECOMMUNICATION SPACE ID (TS ID) NUMBERS ARE FOUND ON RISER DIAGRAMS AND FLOOR PLANS
5. CABLES SHALL BE TERMINATED SEQUENTIALLY ON PATCH PANELS, IN THE FOLLOWING ORDER, ROOM ###(#), WALL PLATE ##, PORT ##
6. CABLE LABELS SHALL COMBINE BOTH WALLPLATE AND PATCH PANEL ID AT BOTH ENDS OF CABLE WITHIN 6 INCHES OF TERMINATION

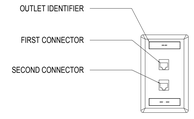
5 APPROVED IDENTIFICATION SCHEME
SCALE: NTS

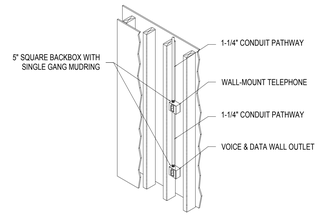
COMPONENT ASSEMBLY:

WALL-MOUNT TELEPHONE

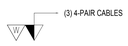


VOICE & DATA WALL OUTLET





SYMBOL DESIGNATION:

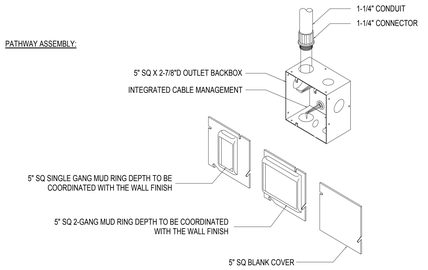


OUTLET NOTES:

1. CONFIRM COLOR OF CABLING, CONNECTORS AND COMPONENTS TO MEET PROJECT REQUIREMENTS.
2. COORDINATE SPECIFIC OUTLET LOCATION, HEIGHT AND MOUNTING REQUIREMENTS WITH RESPECTIVE TRADES INVOLVED.
3. CONTRACTOR TO FIELD COORDINATE CONDUIT ROUTE AS CONDUIT IN SLAB OR STUB UP WHERE CEILING TYPE PERMITS.

6 WALL–MOUNT PHONE ABOVE VOICE & DATA OUTLET – TYPICAL IN MECHANICAL SPACES
SCALE: NTS

PATHWAY ASSEMBLY:

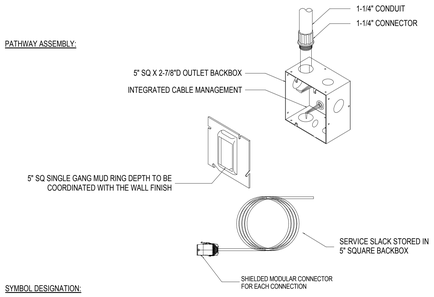


NOTES:

1. COORDINATE SPECIFIC OUTLET LOCATION, HEIGHT AND MOUNTING REQUIREMENTS WITH RESPECTIVE TRADES INVOLVED.
2. WHEN NO CABLE DESIGNATION FLAG OR SYMBOL LETTER IS SHOWN, OUTLET LOCATION IS PATHWAY ONLY

7 TYPICAL BACKBOX & PATHWAY DETAIL
SCALE: NTS

PATHWAY ASSEMBLY:



SYMBOL DESIGNATION:

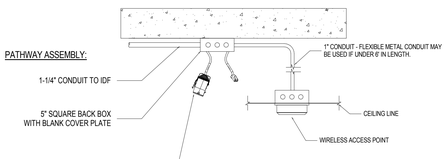


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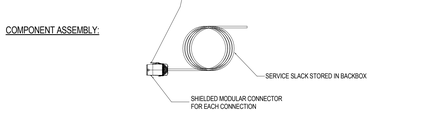
1. COORDINATE SPECIFIC OUTLET LOCATION, HEIGHT AND MOUNTING REQUIREMENTS WITH RESPECTIVE TRADES INVOLVED.
2. TYPICAL WIRELESS ACCESS POINT OUTLETS REQUIRE A MINIMUM 2 CABLES PER WAP.

8 WALL–MOUNTED WIRELESS ACCESS POINT OUTLET
SCALE: NTS

PATHWAY ASSEMBLY:



COMPONENT ASSEMBLY:



SYMBOL DESIGNATION:

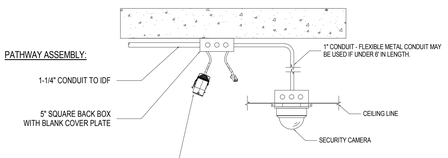


OUTLET NOTES:

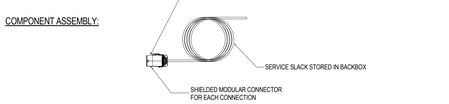
1. CONFIRM THE COLOR OF THE CABLING, CONNECTORS AND COMPONENTS MEET THE PROJECT REQUIREMENTS.
2. COORDINATE SPECIFIC OUTLET LOCATION, HEIGHT AND MOUNTING REQUIREMENTS WITH RESPECTIVE TRADES INVOLVED.
3. SECURE CONDUIT TO SLAB AS REQUIRED BY NEC AND AHJ.

9 CEILING WIRELESS OUTLET – TYPE X
SCALE: NTS

PATHWAY ASSEMBLY:



COMPONENT ASSEMBLY:



SYMBOL DESIGNATION:



OUTLET NOTES:

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2. COORDINATE SPECIFIC OUTLET LOCATION, HEIGHT AND MOUNTING REQUIREMENTS WITH RESPECTIVE TRADES INVOLVED.
3. SECURE CONDUIT TO SLAB AS REQUIRED BY NEC AND AHJ.

10 CEILING SECURITY CAMERA – TYPE X
SCALE: NTS

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

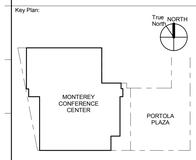
Consultants:

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
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	BID SET	26 AUG 2015

Key Plan:



Seal & Signature:

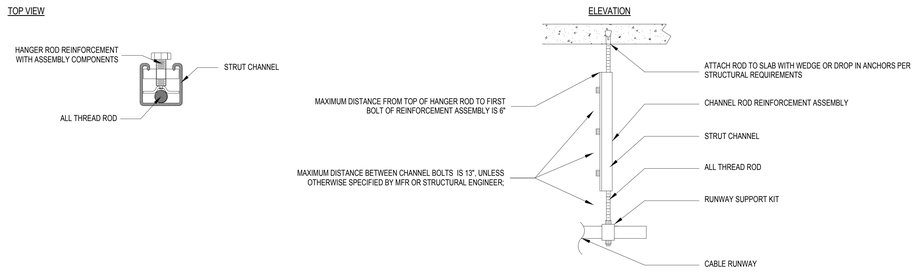
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TELECOM DETAILS

Project No.:	14466	Sheet No.:
Drawn By:	RM	TT6.01
Checked By:	RA	
Scale:	N.T.S.	

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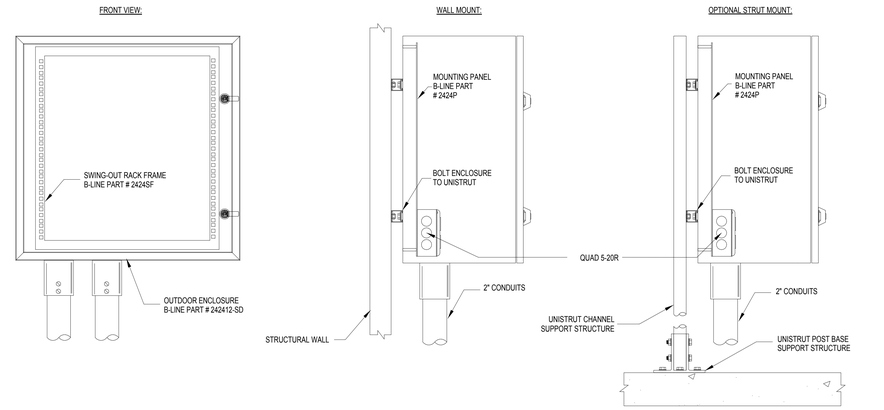
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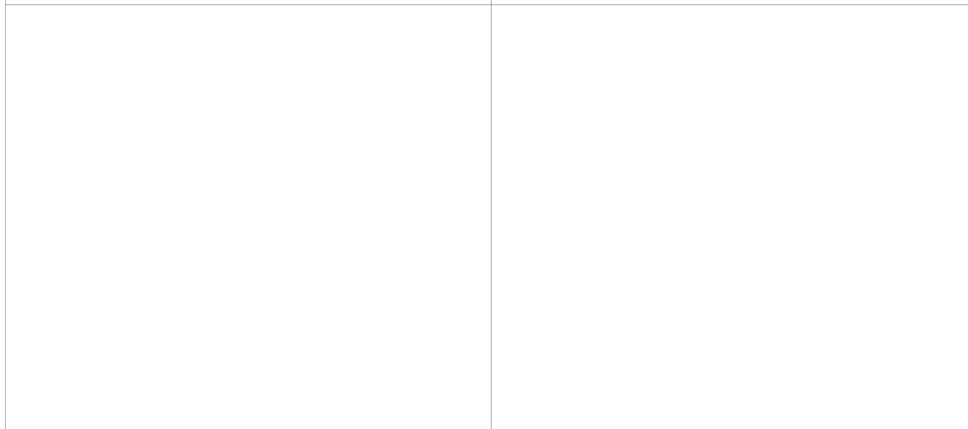
NOTE:

ROD REINFORCEMENT ASSEMBLY REQUIRED ON HANGAR RODS THAT HAVE SEISMIC BRACING ATTACHED TO THE HANGAR OR TRAPEZE ASSEMBLY, UNLESS OTHERWISE REQUIRED BY CODE OR LOCAL AHJ.

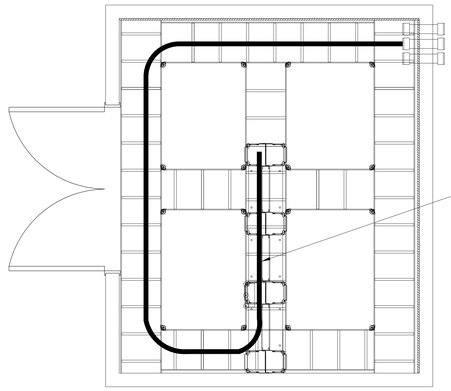
1 CABLE RUNWAY VERTICAL REINFORCEMENT ASSEMBLY
SCALE: NTS



2 24 x 24 TELECOM ROOF ENCLOSURE
SCALE: NTS



3 36 x 24 TELECOM MEDIA ENCLOSURE
SCALE: NTS

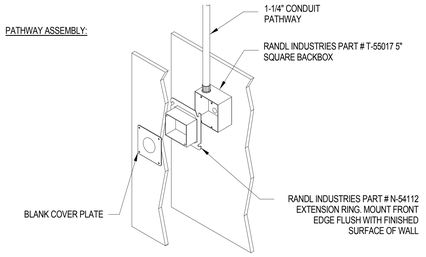


DETAIL NOTES:

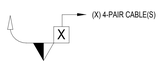
1. SERVICE SLACK FOR ALL HORIZONTAL CABLES SHALL BE STORED ON THE LADDER RACK OR CABLE TRAY SERVING TERMINATION RACKS.
2. BACKBONE CABLES TERMINATING IN RACK SHALL ALSO USE LADDER RACK OR CABLE TRAY TO STORE SERVICE SLACK.
3. INDIRECT ROUTING ALLOWS SERVICE SLACK TO BE STORED ON LADDER RACK OR IN CABLE TRAY.

4 TYPICAL CABLE SERVICE SLACK STORAGE
SCALE: NTS

PATHWAY ASSEMBLY:



SYMBOL DESIGNATION:



NOTES:

1. CUT 2" HOLE IN BLANK PLATE, PROTECT CABLES WITH GROMMET EDGING INSIDE CUT HOLE.
2. USE SPIRAL WRAP TO PROTECT CABLES BETWEEN BOX AND SYSTEM FURNITURE.

5 WALL FEEDPOINT
SCALE: NTS

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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

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SAN FRANCISCO, CA 94111

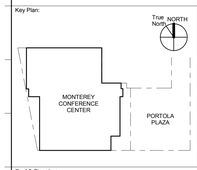
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Sheet Name:

TELECOM DETAILS

Project No.:	14466	Sheet No.:
Drawn By:	RM	TT6.02
Checked By:	RA	
Scale:	N.T.S.	

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1 TELECOM RACK ELEVATION
IDF - 107H TC-L1A
NTS

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL

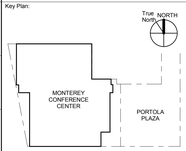
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Key Plan:


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Sheet Name:
TELECOM RACK ELEVATION

Project No.: 14466
Drawn By: RM
Checked By: RA
Scale: NTS
Sheet No.: TT7.00

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8/10/2015 3:00:52 PM



1 TELECOM RACK ELEVATION
MDF - 305 TC-L2A
NTS

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL

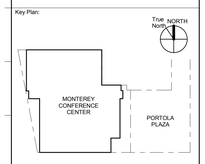
580 PACIFIC STREET, MONTEREY, CA 93940
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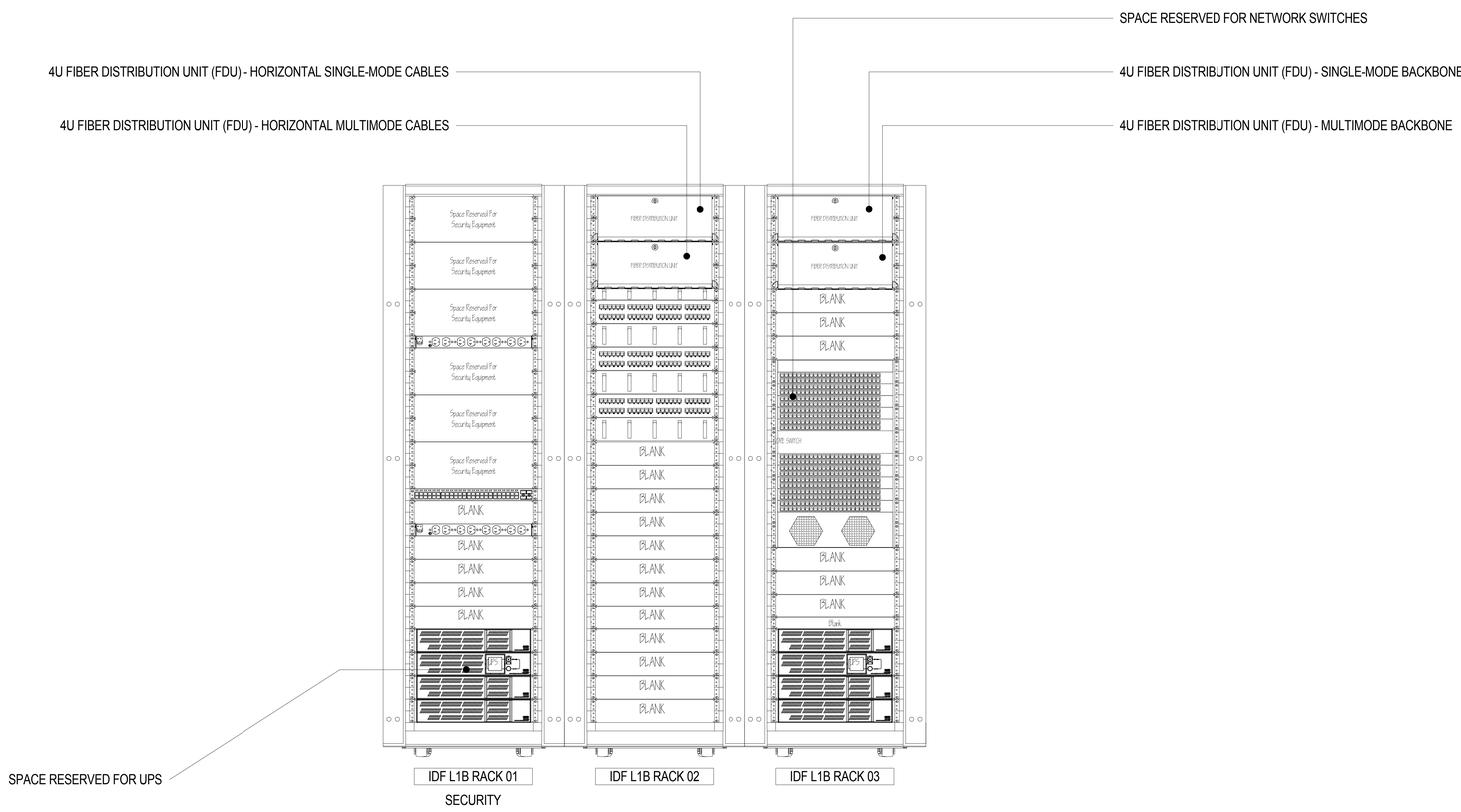
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TELECOM RACK ELEVATION

Project No.:	14466	Sheet No.: TT7.01
Drawn By:	RM	
Checked By:	RA	
Scale:	NTS	

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1 TELECOM RACK ELEVATION
IDF - 112B TC-L1B
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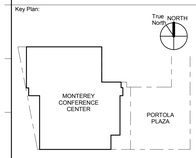
Architect:
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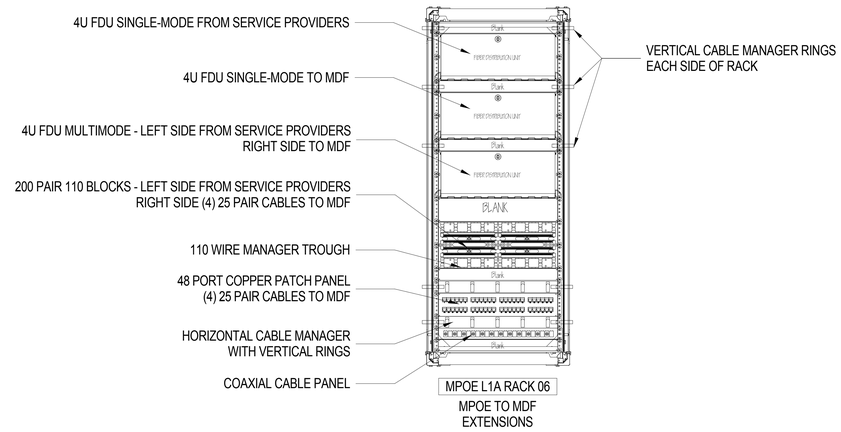
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Sheet Name:

TELECOM RACK ELEVATION

Project No.:	Sheet No.:
14466	TT7.02
Drawn By: RM	
Checked By: RA	
Scale: NTS	

Approved as to Form CAO RISK
8/10/2015 3:00:54 PM



TERMINATE (4) 25 PAIR CABLES GOING TO MDF ON 110 TERMINATION BLOCK AS FOLLOWS

1. (4) 25 PAIR CABLES (100 PAIRS) TERMINATED ON THE RIGHT SIDE OF RACK-MOUNTED 110 TERMINATION BLOCK
2. NO MORE THAN 3/8 " OF PAIR UNTWIST

TERMINATE (4) 25 PAIR CABLES GOING TO MDF ON 48 PORT PATCH PANEL AS FOLLOWS

1. (20) PAIRS (5 - 4 PAIR GROUPS) OF EACH 25 PAIR CABLE AT 8-POSITION, 8-CONTACT PORTS WITHIN THE CATEGORY 5E PATCH PANELS
2. THE 5TH PAIR (SLATE) FROM EACH 5 PAIR GROUP IN EACH 25-PAIR CABLE SHALL REMAIN UNTERMINATED AT THE PATCH PANEL
3. FOLLOW THE SAME COLOR SEQUENCE FOR EACH 25 PAIR CABLE TERMINATED AT THE PATCH PANEL
2. NO MORE THAN 3/8 " OF PAIR UNTWIST

1 TELECOM RACK ELEVATION
MPOE - 107H TC-L1A
NTS

MONTEREY CONFERENCE CENTER
ONE PORTOLA PLAZA

CITY OF MONTEREY
CITY HALL

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

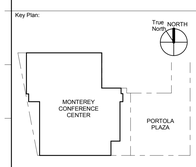
Architect:
SOM
SKIDMORE, OWINGS & MERRILL LLP
ONE FRONT STREET,
SAN FRANCISCO, CA 94111

Consultants:
SM&W
SHEN MILSOM WILKE
33 New Montgomery Street
San Francisco, CA 94105
Tel: 415-391-7610

Issued For:

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

Key Plan:



Seal & Signature:

Sheet Name:

TELECOM RACK ELEVATION

Project No.:	Sheet No.:
14466	TT7.03
Drawn By: RM	
Checked By: RA	
Scale: NTS	

Approved as to Form
CAO RISK

8/10/2015 3:00:54 PM

Agreement #: Ag-5097 - Page 333 329
Approved as to Form CAO RISK

AUSONIO

Attendance/ Sign-in

DATE: September 10, 2015

PROJECT: Monterey Conference Center Renovation Project #30C1453 including Portola Plaza Renovation Project #30C1601

MEETING: Pre-Bid Meeting/ Job Walk

TIME: 1:00 PM

PLACE: Monterey Conference Center – Steinbeck Forum

	Name	Company	General or Sub	Phone Number	Email Address
1	Paul Nellany	Lewis Nelson	Gen	669-345-0154	Pnellany@lewisnelson.com
2	Fernando Idiaquez	T.B. Penick & Sons	Gen	858 555-1800 EXT 117	fernando@tbpenick.com
3	Roger Andersen	B.T. Mancini Co.	Sub	(408) 942-7900 x1142	roger.andersen@btmancini.co
4	MIKE FERREIRA	"	"	"	MIKE.FERREIRA@BTMANCINI.COM
5	CHRIS THOMASON	@ ELECTRIC	SUB	831 372-1875	CHRIS@CIRCLEC ELECTRIC.COM
6	Katie Worden	Sundt Construction	Gen.	408 892-3628	kaworden@sundt.com
7	TRAVIS MATHESON	AMOROSO	GC	650-654-1900	Norcal-bid@SJAMOROSO.com
8	Ryan Tognetti	Flint Builders	GC	916-825-4682	RTognetti@FlintBuilders.com
9	Jared Wright	Flint Builders	GC	916-757-1000	Jwright@FlintBuilders.com
10	Manuel Moya	Thompson Builders Corp.	GC	415-456-8972	dalian@TBCorp.com
11	CHUCK KUENZENDORF	BROWARD BUILDERS, INC	GC	530.666.5635	chuck@browardbuilders.com
12	KATHY SIT	UCS	SUB CONTRACTOR	(408) 272-9888	K.SIT@UCS-CA.COM
13	LUIS MERIDA	STRONGHOLD ENGINEERING	GC	951-684-9303	LMERIDA@TEAMSEI.COM

Agreement #: Ag-5097 - Page 334 of 329
Approved as to Form CAO RISK

AUSONIO

Attendance/ Sign-in

DATE: September 10, 2015

PROJECT: Monterey Conference Center Renovation Project #30C1453 including Portola Plaza Renovation Project #30C1601

MEETING: Pre-Bid Meeting/ Job Walk

TIME: 1:00 PM

PLACE: Monterey Conference Center – Steinbeck Forum

	Name	Company	General or Sub	Phone Number	Email Address
14	ROBERT HABARY	CITY OF MONTEREY		(831) 646-3447	Harary@Monterey.org
15	SAM BARNES	UNITED COMFORT SOLUTIONS	SUB	408-914-8333	SAM.BARNES@UCS-CA.COM
16	KAMEL KHALIL	STRONGHOLD ENG	[illegible]	(951) 684-9303	KK@TEAMSEI.COM
17	ERIC TONNESEN	COLLINS ELECT.	SUB	831-384-0114	ETONNESEN@COLLINSELECTRIC.COM
18	Dale Weislak	Hensel Phelps	General	408-452-1800	dweislak@henselphelps.com
19	DAVE VALENTINE	"	"	408.476.6633	dvalentine@henselphelps.com
20	JOHN GARAYALDE	John F. OTTO Inc, dba OTTO CONSTRUCTION	General	831-657-9805	JGARAYALDE@OTTOCONSTRUCTION.COM
21	SCOTT VANDER HEYDEN	"	"	(916)-524-5724	SVANDERHEYDEN@OTTOCONSTRUCTION.COM
22	KEN PACHECO	FIRST ALARM	SUB	831.687.4229	KPACHECO@FIRSTALARM.COM
23	Mark Hughes	PARC Environmental	Sub	559-999-5130	mhughes@parcenvironmental.com
24	Kevin Hunnewill	Roebbelen	GC	916-939-4000	kevinh@roebbelen.com
25	Josh Dominguez	Delta Ironworks	Sub	831-663-1190	info@deltaironworks.com
26	LORI WILLIAMSON	C.O.M		831-2428746	lwilliamson@monterey.org

Agreement #: Ag-5097 - Page 334 329
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AUSONIO

Attendance/ Sign-in

DATE: September 10, 2015

PROJECT: Monterey Conference Center Renovation Project #30C1453 including Portola Plaza Renovation Project #30C1601

MEETING: Pre-Bid Meeting/ Job Walk

TIME: 1:00 PM

PLACE: Monterey Conference Center – Steinbeck Forum

	Name	Company	General or Sub	Phone Number	Email Address
27	Gary Lowe	Bernards	G	559-420 7505	glowe@bernards.
28	Sharon Dilbeck	Dilbeck & Sons	G	831-422 8213	Sharon@dilbeckandsons.com
29	Jennifer Sedano	"		"	Jennifer@dilbeckandsons.com
30					
31					
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AUSONIO

Attendance/ Sign-in

DATE: September 15

PROJECT: Monterey Conference Center Renovation Project #30C1453 including Portola Plaza Renovation Project #30C1601

MEETING: Pre-Bid Meeting/ Job Walk

TIME: 11:00 AM

PLACE: Monterey Conference Center – Steinbeck Forum

	Name	Company	General or Sub	Phone Number	Email Address
1	Patrick Marron	Two Rivers Demo	Sub	916-215-9613	pat@2riversdemo.com
2	John Cordaway	STRong Hold Eng	Gen	951-712-8431	JCordaway@Teamsei.com
3	Bo Chan	F&H Const.	GC	209-931-3738	shasch@f-hconst.com
4	Sal Gonzalez	Monterey Mech.	Sub Con	510-3854518	S.Gonzalez@montmech.com
5	George Jacobs	Southwest Hazard	Sub	(510)789-8179	GJACOBS@swhaz.com
6	DAN CROSS	AMG	SUB	510-654-8441	DANCROSSAMG@GMAIL.COM
7	Bob Russell	O.C. McDonald	Sub	408-640-3246	brussell@ocmcdonald.com
8	JIM BENSON	S.J. AMORSO CONST	GC	650-654-1900	JBENSON@SJAMORSO.COM
9	Bryan Johnson	Johnson Electronics	Sub	831-424-6459	bryan@johnson-electronics.com
10	GREG BOYLE	JOHNSON CONTROLS	SUB	925-580-9267	GREG.BOYLE@JCI.COM
11	Stew Peterson	Coastwide Env	Sub	831-761-5511	Stew@coastwide.net
12	Jim Rapose	Ausonio	CM	831 970 5380	JimR@Ausonio.com
13	Esperanza S	Ausonio Inc		831-247-3088	Esperanza@ausonio.com

DATE: September 15, 2015

PROJECT: Monterey Conference Center Renovation Project #30C1453 including Portola Plaza Renovation Project #30C1601

MEETING: Pre-Bid Meeting

TIME: 11:00 AM

PLACE: Monterey Conference Center – Steinbeck Forum

Name	Company	General or Sub	Phone Number	Email Address
GORDON TESSMAN	LC Nelson	Gen	559-896-1443	g.tessman@sbcglobal.net
JOHN PROCTOR	HENSEL PHELPS	GC	209)768-3484	jProctor@henselphelps.com
Tommy Vest	Hensel Phelps	GC	408-316-4728	tvest@henselphelps.com
Jesse Fernandez	Brady Co.	Sub	831.633.3315	Jfernandez@brady.com
RICKY BAGBY	VALENTINE CORP	SUB	415.720.4527	RBAGBY@VALENTINECORP.COM
Ken Hepper	Randazzo Ent	Sub	831-760-6527	Kenh@randazzoent.com
SAL DEFRANCO	DEFRANCO PTG	SUB	(831)422 9095	DEFPTG@AOL.com
Al Estrella	Geo H Wilsons	Sub	831 723 9522	AEstrella@GeoHWilson.com
Ryan O'Halloran	Geo H Wilson	Sub	831 212 9022	rohalloran@geohwilson.com
BRADY MIRELEZ	SWINERTON BUILDERS	GEN	415-660-0251	gmirelez@swinerton.com
Alfredo Navarro	Demo masters - Bay view Environt	Sub	415-850-5106	anavarro@demomasters.com
SCOTT GOLDEN	TECHTRON PRODUCTS	Vendor	858-262-9343	robertstreetingdesign@Yahoo.com
Andi Bord	Kleinfelder Inc.	Sub	831-207-9906	abord@Kleinfelder.com