

PUBLIC WORKS CONTRACT (Formal Bid)

**PERFORM MECHANICAL REPAIRS AND UPGRADES TO HVAC SYSTEMS AND ASSOCIATED COMPONENTS:
B343 PROJECT (DPW-14021E)**

THIS AGREEMENT, hereinafter referred to as the "Agreement", made and entered into this 9th day of December ---- 2015, by and between the CITY OF MONTEREY, a municipal corporation, hereinafter referred to as the "City", and GEO. H. WILSON hereinafter referred to as the "Contractor";

WITNESSETH:

WHEREAS, the City has awarded a contract to the Contractor for performing the work hereinafter described in accordance with the City's Plans and Specifications and Contractor's proposal; and

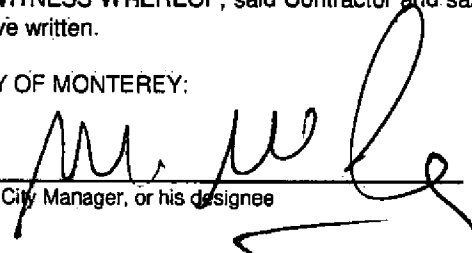
WHEREAS, the project was formally bid but the lowest responsive, responsible bid submitted by Contractor was below the threshold for formally-bid projects (currently \$65,000) and as such City Council award was not required.

NOW, THEREFORE, IT IS AGREED AS FOLLOWS:

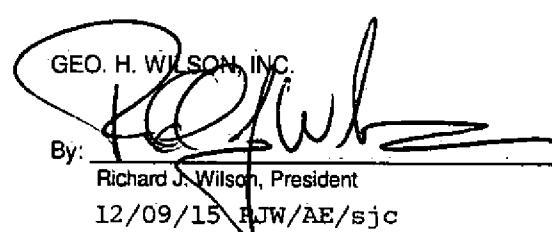
1. **SCOPE OF WORK.** The Contractor shall perform all of the work and furnish all labor, materials, equipment and transportation necessary for Perform Mechanical Repairs and Upgrades to HVAC Systems and Associated Components: B343 Project Work is to be as set out in the Plans and Specifications on file in the Office of the City Engineer and as in the Contractor's Proposal attached hereto, dated November 3, 2015, for the work set forth in the Base Bid (Items 1-11) plus Additive Alternate #2 (Item 14), in an amount not to exceed **Forty Three Thousand Five Hundred dollars (\$43,500.00)**, plus a sum of up to 10% for such contingencies as the City Manager, or his designee, deems appropriate.
2. **TIME OF PERFORMANCE.** The work under this contract shall commence within fourteen (14) calendar days from the effective date of the Notice to Proceed and shall be completed on or before the expiration of sixty (60) calendar days from the effective date of the Notice to Proceed.
3. If any provision in this Agreement is held by a court of competent jurisdiction to be invalid, void, or unenforceable, the remaining provisions will continue in full force without being impaired or invalidated in any way.
4. Contractor agrees that in the performance of this Agreement, it will comply with all applicable state, federal and local laws, codes and regulations. This Agreement shall be governed by and construed in accordance with the laws of the State of California and the City of Monterey.
5. In accordance with the provisions of Sections 1725.5, 1771.1, 1771.3, and 1771.4 of the Labor Code, this project is subject to compliance monitoring and enforcement by the Department of Industrial Relations. A contractor or subcontractor shall not be qualified to bid on, be listed in a bid proposal, subject to the requirements of Section 4104 of the Public Contract Code, or engage in the performance of any contract for public work, as defined by that chapter of the Labor Code, unless currently registered and qualified to perform public work pursuant to Section 1725.5 of the Labor Code. It is not a violation of this section for an unregistered contractor to submit a bid that is authorized by Section 7029.1 of the Business and Professions Code or by Section 10164 or 20103.5 of the Public Contract Code, provided the contractor is registered to perform public work pursuant to Section 1735.5 at the time the contract is awarded.
6. This Agreement shall consist of this Public Works Contract document and the following items, all of which are on file in the office of the City Clerk and are incorporated herein and made a part hereof by reference:
 - A. Plans and Specifications
 - B. Accepted Proposal
 - C. Performance Bond
 - D. Payment Bond (labor and materials)
 - E. Non-Collusion Declaration
 - F. Debarment and Suspension Certification

IN WITNESS WHEREOF, said Contractor and said City have hereunto set their hands, all on the day and year first above written.

CITY OF MONTEREY:

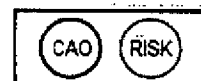
By: 
City Manager, or his designee

GEO. H. WILSON, INC.

By: 
Richard J. Wilson, President
12/09/15 RJW/AE/sjc

T00013-CA (v. 2.2 - 9/18/2015)

Agreement #: Ag-5112 - Page 1 of 237





CITY OF MONTEREY
DEPARTMENT OF PLANS AND PUBLIC WORKS

SPECIFICATIONS

FOR

PERFORM MECHANICAL REPAIRS AND UPGRADES TO HVAC SYSTEMS AND ASSOCIATED COMPONENTS: B343 (DPW-14021E)

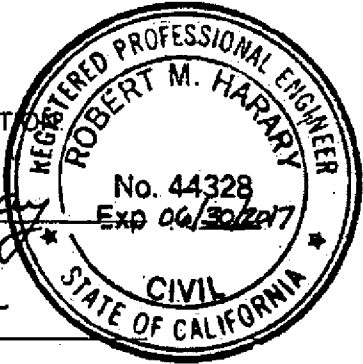
FORMAL BID

This is a PMSA Project



APPROVED FOR CONSTRUCTION

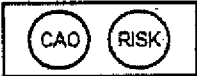
Robert M. Harary
PRINCIPAL ENGINEER



DATE: 10/2/2015

Master Specification Revision: 07/16/2015

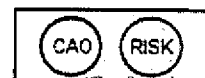
Project Specification Revision: 09/22/2015



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**PERFORM MECHANICAL REPAIRS AND UPGRADES TO HVAC SYSTEMS
AND ASSOCIATED COMPONENTS: B343 PROJECT (DPW-14021E)**

Agreement #: Ag-5112 - Page 3 of 237

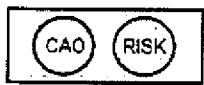


Contents

PART I – NOTICE TO CONTRACTORS	1
SPECIFICATIONS AND BID FORMS.....	1
MANDATORY PRE-BID CONFERENCE.....	1
PREVAILING WAGES, FEDERALLY FUNDED PROJECTS.....	2
BID BOND.....	2
BID VALIDITY.....	2
RESPONSIBLE BIDDER.....	3
BID REJECTION.....	3
UNBALANCED BID.....	3
BIDDER PROTEST.....	4
INTERPRETATION OF SPECIFICATIONS.....	4
DEFINITIONS.....	5
PART II – PROPOSAL	1
BID SCHEDULE.....	1
BID ITEM DESCRIPTIONS.....	3
FINAL PAY ITEMS.....	5
ANCILLARY ITEMS.....	5
LUMP SUM PRICE BREAKDOWN.....	5
BID CLARIFICATION.....	5
DECLARATION OF BIDDER RE: LICENSE QUALIFICATIONS.....	7
NONCOLLUSION AFFIDAVIT TO BE EXECUTED BY BIDDER, LEGALLY NOTARIZED AND SUBMITTED WITH BID.....	9
DEBARMENT AND SUSPENSION CERTIFICATION.....	10
PART III - GENERAL PROVISIONS	1
BIDDING.....	1
CONTRACT AWARD AND EXECUTION.....	1
PUBLIC WORKS CONTRACT (Formal Bid).....	2
SCOPE OF WORK.....	3
CONTROL OF WORK.....	4
CONTROL OF MATERIALS.....	7
LEGAL RELATIONS AND RESPONSIBILITY TO THE PUBLIC.....	8
PROSECUTION AND PROGRESS.....	13
PAYMENT.....	14
PART IV - SPECIAL PROVISIONS	1
GENERAL.....	1
PLANS AND SPECIFICATIONS.....	1
CONTRACT BONDS.....	1
TIME LIMITS.....	2
LICENSES AND PERMITS.....	2



SITE INSPECTION.....	2
SUBMITTALS.....	2
PROTECTION OF PRIVATE PROPERTY.....	3
CONSTRUCTION QUALITY CONTROL.....	3
GUARANTEE.....	6
REGULATIONS.....	6
PUBLIC SAFETY AND PROTECTION OF THE WORK.....	7
INDEMNIFICATION AND HOLD HARMLESS.....	7
INSURANCE.....	7
PRE-CONSTRUCTION CONFERENCE.....	10
LIQUIDATED DAMAGES.....	10
CONSTRUCTION PROCEDURE.....	11
TRAFFIC CONTROL.....	12
REMOVAL OF OBSTRUCTIONS.....	14
UNDERGROUND UTILITIES.....	14
UTILITY COMPANY COORDINATION.....	14
CONTRACT PLANS AND SPECIFICATIONS.....	14
DUST CONTROL.....	14
CONNECTION TO EXISTING UTILITIES.....	15
SANITARY FACILITIES.....	15
INSPECTION OF WORK.....	15
RECORD DRAWINGS.....	15
MILITARY INSTALLATION SECURITY REQUIREMENTS AND POLICIES.....	15
ENVIRONMENTAL/POLLUTION PREVENTION REQUIREMENTS.....	16
TECHNICAL SPECIFICATIONS.....	19
APPENDIX A.....	1
BID PROPOSAL COVER SHEET.....	1
BID PROPOSAL FORMS.....	2
APPENDIX B.....	1
DAVIS-BACON ACT (July 2005).....	1
APPENDIX C.....	1
FORM 7- INSTALLATION ACCESS APPLICATION.....	1
APPENDIX D.....	1
ENVIRONMENTAL PROTECTION PLAN.....	1
APPENDIX E.....	1
CONSTRUCTION AND DEMOLITION DEBRIS WASTE MANAGEMENT PLAN.....	1
APPENDIX F.....	1
HAZARDOUS MATERIAL TESTING REPORTS.....	1
APPENDIX G.....	1
ENVIRONMENTAL REVIEW CHECKLIST.....	1



**CITY OF MONTEREY
DEPARTMENT OF PUBLIC WORKS
MONTEREY, CALIFORNIA**

PART I – NOTICE TO CONTRACTORS

Sealed unbound bid proposals will be received in the office of the City Clerk, attention Finance Director, 580 Pacific Street, Room 6, City of Monterey, California, until 2:00 p.m., October 27th, 2015, at which time they will be publicly opened and read in the City Council Chambers, for furnishing all labor, materials, tools, equipment and incidentals for the construction of **PERFORM MECHANICAL REPAIRS AND UPGRADES TO HVAC SYSTEMS AND ASSOCIATED COMPONENTS: B343 (DPW-14021E)** in Monterey, California, in accordance with the Plans and these Specifications.

In general, the work consists of, but is not limited to, removing and replacing the existing (E) air handling unit number one (AHU-1) along with its corresponding external ductwork, expanding the existing concrete equipment pad to prepare for the new (N) air conditioning unit number one AC-1, and providing one of a number of alternatives to reworking the interior ducting. The exterior equipment pad work consists of cutting a portion of the (E) concrete curb between the two adjacent sections of equipment pad, clearing grubbing and compacting the soil, installing epoxy anchored dowels and rebar, and pouring concrete. The new 10 ton AC-1 unit shall have an outdoor air economizer, a minimum of two modulating compressors with independent refrigerant loops, variable frequency drive (VFD) powered fans, and a remote exhaust fan. The new exterior supply and return ducting that corresponds with the new AC-1 unit shall have angular runs, be internally insulated, have smooth full radius bends, have turning veins at all 90 deg turns, have new fire smoke dampers, and a new duct detector. Included in the base bid, all interior duct registers shall be made operational, registers without balancing dampers shall be replaced with register with built in balancing dampers, some ducting shall be relocated to better serve the load, and a new humidistat and thermostat shall be installed where the thermostat controls the setpoint and schedule for the (N) AC-1 unit. Two additive alternate interior ducting plans are included herein for bid. One plan involves installing an insulated rigid duct routed through the attic space that redistributes the return air to create a hot isle cold isle system. The other additive alternate involves switching the existing supply and return ducting so that the supply is then discharged in large volume at a few points in the center of the room, and the return ducting is focused at the perimeter behind the servers with heavy cooling loads. A final additive alternate bid item involves installing a new chain link fence with redwood slats, and an access gate at the perimeter of the concrete slab to protect the (N) AC-1 unit from flying debris resulting from mowing operations.

At the time of the bid opening, the successful Bidder must be legally entitled to perform contracts requiring a Class C-20 Contractor's license. Any Bidder or contractor not so licensed shall be subject to all penalties imposed by law including, but not limited to, any appropriate disciplinary action by the Contractors' State License Board.

SPECIFICATIONS AND BID FORMS

Specifications, including instructions to Bidders and all necessary contract documents and forms, are available on-line from the City's website located at <http://monterey.org/en-us/Business/Bids-and-RFPs>. In order to download project documents, you must register as a document (plan) holder on EbidBoard at no cost through the City web site. Potential bidders, subcontractors and suppliers are responsible for reviewing the complete bidding documents, including all addenda, prior to submitting their bid. They are also advised to check the City's web site noted above periodically and prior to submitting their bid. Submit **unbound** bid proposals (see Appendix A) in sealed envelopes clearly marked on the exterior with the project name, bid opening date and bid opening time for which the bid proposal is being submitted. When submitting a bid in a sealed envelope within another sealed envelope, such as an envelope provided by an overnight carrier, be sure to also mark the exterior of the outermost envelope or overnight carrier's envelope clearly with the project name, bid opening date and bid opening time.

MANDATORY PRE-BID CONFERENCE

A mandatory pre-bid conference is scheduled for 11:00 am on Tuesday, Oct. 20, 2015 and will meet at the Lower Presidio adjacent to the Pvt. Bolio Rd. Entrance, Monterey, CA 93940. This conference will be the only opportunity for bidders to review and inspect project conditions Prior to bidding. Failure to attend and be on time may result in your bid being deemed non-responsive resulting in rejection of your bid. Contractors must be escorted by the City of Monterey, or have valid federally recognized ID, vehicle registration and vehicle insurance with them to enter the Military Installation.

**PERFORM MECHANICAL REPAIRS AND UPGRADES TO HVAC SYSTEMS
AND ASSOCIATED COMPONENTS: B343 PROJECT (DPW-14021E)**

Agreement #: Ag-5112 - Page 6 of 237



PREVAILING WAGES, FEDERALLY FUNDED PROJECTS:

This project is partially or completely federally funded. Federal and/or State prevailing wage rates, whichever are higher, shall apply. Contractor and all subcontractors shall be responsible for determining which prevailing wage rate applies to the corresponding labor classification to be used in the execution of this contract and shall pay accordingly. Contractor and all subcontractors shall, if applicable, comply with the provisions of the Davis-Bacon Act (incorporated herein and attached as Appendix B hereto) and all amendments thereto.

The Federal minimum wages shall be based on the wages that the United States Secretary of Labor determines to be prevailing for the corresponding classes of laborers and mechanics employed on projects of a character similar to the contract work in the civil subdivision of the State of California.

Pursuant to Section 1773 of the Labor Code, the general prevailing wage rates in the county, or counties, in which the work is to be done have been determined by the Director of the California Department of Industrial Relations. These wages are set forth in the State General Prevailing Wage Rates for this project, available at City of Monterey Capital Projects Office, 353 Camino El Estero, Monterey, CA (831/646-3997) and available from the California Department of Industrial Relations' Internet website at <http://www.dir.ca.gov/dlsr/PWD/Northern.html>.

Prevailing wage rates are required to be posted at the jobsite.

In accordance with the provisions of Sections 1725.5, 1771.1, 1771.3, and 1771.4 of the Labor Code, this project is subject to compliance monitoring and enforcement by the Department of Industrial Relations. A contractor or subcontractor shall not be qualified to bid on, be listed in a bid proposal (subject to the requirements of Section 4104 of the Public Contract Code), or engage in the performance of any contract for public work, as defined by that chapter of the Labor Code, unless currently registered and qualified to perform public work pursuant to Section 1725.5 of the Labor Code. **See Part III of these Specifications for additional requirements.**

In accordance with the provisions of Section 1773.3 of the Labor Code, the City of Monterey shall provide notice to the Department of Industrial Relations (DIR) of the award of any public works contract subject to the requirements of Chapter 1 of the Labor Code, within five days of the award. The notice shall be transmitted electronically in a format specified by the DIR (see <https://www.dir.ca.gov/pwc100ext/>) and shall include the name of the contractor, any subcontractor listed on the successful bid, the bid and contract award dates, the contract amount, the estimated start and completion dates, job site location, and any additional information the DIR specifies that aids in the administration and enforcement of this chapter.

If there is a difference between the Federal minimum wage rates predetermined by the Secretary of Labor and the State General prevailing wage rates determined by the Director of the California Department of Industrial Relations for similar classifications of labor, the Contractor and subcontractors shall pay not less than the higher wage rate. The City will not accept lower State wage rates not specifically included in the Federal minimum wage determinations. This includes "helper" (or other classifications based on hours of experience) or any other classification not appearing in the Federal wage determinations. Where Federal wage determinations do not contain the State wage rate determination otherwise available for use by the Contractor and subcontractors, the Contractor and subcontractors shall pay not less than the Federal minimum wage rate, which most closely approximates the duties of the employees in question.

BID BOND

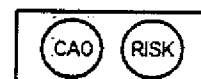
Cash, a certified check or cashier's check, payable to the order of the City of Monterey, or a satisfactory bid bond, in original form (no fax or photocopy shall be accepted), executed by the Bidder and an acceptable surety in an amount equal to ten percent (10%) of the bid amount shall be submitted with each bid.

BID VALIDITY

No Bidder may withdraw their bid for a period of **ninety (90) days** from the date of opening of the bids for the purpose of reviewing the bids and investigating the qualifications of Bidders, prior to awarding of the contract. Any bid withdrawal before the expiration of such time period shall result in the forfeiture of Bidder's Bid Bond. In the event of a bid mistake resulting from a clerical error made by the Bidder, withdrawal of such bid without forfeiture of the Bid Bond may only be

**PERFORM MECHANICAL REPAIRS AND UPGRADES TO HVAC SYSTEMS
AND ASSOCIATED COMPONENTS: B343 PROJECT (DPW-14021E)**

Agreement #: Ag-5112 - Page 7 of 237



allowed if the criteria set forth in California Public Contracts Code Sec. 5103 are met and the procedures set forth therein are followed; any such approval by City of bidders request to withdraw bid shall be at the sole discretion of the City.

RESPONSIBLE BIDDER

Responsible bidder as it pertains to this contract shall be as follows:

Standards of Responsibility: The City may reject bids on the basis of non-responsibility. A responsible bidder is one that has the capacity in all respects to perform fully the contract requirements, and the integrity and reliability which will assure good faith performance of the contract. Factors to be considered in determining whether the standard of responsibility has been met include whether a bidder has:

The appropriate financial, material, equipment, facility, capacity (adequate workforce to complete the job in a timely fashion) and personnel resources, including all required certifications, licenses, and expertise necessary to indicate its capacity to meet all contractual requirements, including the following specific requirements:

Adequate workforce to meet multiple critical work schedules at once; Ability to start projects on the commencement dates set forth by the City and satisfactorily complete them within the City's stated time limits;

A satisfactory record of performance, including but not limited to any prior work performed by bidder for the City or other agency;

Evidence of bidder's ability to provide the required bonding and insurance capacity. Apparent low bidder with cash or cashier's check as bid bond is required to submit a pre-qualification letter from an acceptable surety or cashier's check as performance bond within fourteen (14) calendar days of the bid opening;

A satisfactory record of integrity, diligence, and professionalism in the specific contract work;

The legal qualifications to contract with the City; and

Supplied all information requested by the City in connection with the inquiry concerning responsibility.

Information Pertaining to Responsibility. The prospective contractor shall supply any information requested by the City concerning the responsibility of such contractor, including the qualifications and performance records of contractor's employees and proposed subcontractors. If the prospective contractor fails to supply the requested information, the City shall base the determination of responsibility in award of the Contract upon any available information, or may find the prospective contractor non-responsible on the basis of its failure to provide the requested information to the City.

The City's Duty Concerning Responsibility. Before awarding a contract, the City must be satisfied that the prospective contractor is responsible. The City may use the information provided by prospective contractor as well as information obtained from other legitimate sources, including City staff's own experience with the prospective contractor and prospective contractor's employees.

Written Determination of Non-responsibility Requirements. If a bidder or offeror who otherwise would have been awarded the Contract is found non-responsible, a written determination of non-responsibility setting forth the basis determination shall be prepared by the City and sent to the non-responsible bidder or offeror. The bidder or offeror shall have an opportunity to appeal the City's determination on non-responsibility.

BID REJECTION

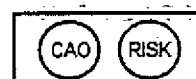
The City reserves the right to reject any or all bids as the best interests of the City may dictate and, to the extent permitted by law, waive any irregularity in any bid. If there is any reason for believing that collusion exists among the bidders, the City may reject any or all bids.

UNBALANCED BID

Bids which are obviously unbalanced may be rejected. For the purposes of this section, an unbalanced bid is one that (a) has unit prices based on nominal prices for some items of work and enhanced unit prices for other items of work, and (b)

**PERFORM MECHANICAL REPAIRS AND UPGRADES TO HVAC SYSTEMS
AND ASSOCIATED COMPONENTS: B343 PROJECT (DPW-14021E)**

Agreement #: Ag-5112 - Page 8 of 237



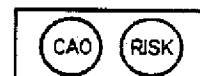
the amount and manner in which the unit prices are distributed is not reflective of the true cost to perform the work. Any unbalanced bid may be rejected by the City whether or not the result of the unbalanced bid increases the cost of the project to the City.

BIDDER PROTEST

All bid protests shall follow the procedures set forth in Monterey City Code §28-26 et seq., and the City's Purchasing Manual, both of which are available on-line on the City's website located at <http://monterey.org>. Payment of a bid protest filing fee in the amount set forth in the City Code and Purchasing Manual shall be prerequisite to the filing of any such protest.

INTERPRETATION OF SPECIFICATIONS

Should a Bidder be in doubt as to the true meaning of any item in the Plans or Specifications or should Bidder discover items containing discrepancies or omissions, the Engineer shall be immediately notified. All requests for interpretations must be submitted ninety-six (96) hours before bid opening. If found necessary, interpretation or correction will be made by written addendum, a copy of which will be sent to each plan holder. Such addenda are to be considered as part of the contract documents, and the Bidder shall acknowledge this condition by listing each addendum by number in his bid proposal. The Engineer shall not be held responsible for any oral interpretations or instructions. No addenda can be issued less than seventy-two (72) hours before bid opening without an accompanying bid time extension. The Engineer reserves the right to make decisions on extending the bid period.



DEFINITIONS

For the purposes of this document, the following definitions shall apply:

CITY: The term City refers to and indicates the City of Monterey, Monterey County, State of California.

ENGINEER OR CITY ENGINEER The term Engineer or City Engineer refers to and indicates the Public Works Director of the City of Monterey or his duly authorized representative.

BIDDER: Party submitting a bid for consideration by the City of Monterey.

CONTRACTOR: The term Contractor refers to and indicates the party or parties contracting to perform the work to be done in pursuance of this contract and specifications.

COUNCIL OR CITY COUNCIL: The City Council of the City of Monterey.

PLANS: The project plans referred to herein.

SPECIAL PROVISIONS: Part IV of these Specifications.

SPECIFICATIONS: This document, in its entirety.

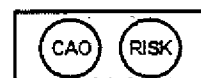
STANDARD SPECIFICATIONS: Specifications entitled "State of California, Department of Transportation, Standard Specifications" of latest publication on file in the office of the City Clerk of the City of Monterey.

STANDARD PLANS: Plans entitled "State of California, Department of Transportation, Standard Plans" of latest publication.

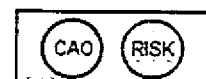
ADA: Americans with Disabilities Act of 1990, Titles II and III, revised September 15, 2013.

CBC: California Building Codes, latest edition as adopted by the City of Monterey.

IBC: International Building Codes, latest edition.



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PERFORM MECHANICAL REPAIRS AND UPGRADES TO HVAC SYSTEMS AND ASSOCIATED COMPONENTS: B343 (DPW-14021E)

CITY OF MONTEREY

PART II – PROPOSAL

To the Honorable City Council
 City of Monterey
 City Hall
 Monterey, California

The undersigned declares to have carefully examined the location of the proposed work, that the Plans and Specifications as set forth herein have been examined, and hereby proposes to furnish all materials and equipment and do all the work required to complete the said work in accordance with said Plans and Specifications for the lump sums and unit prices set forth in the following schedule:

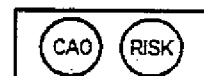
BID SCHEDULE

Item No.	Description	Approx. Quantity	Unit	Unit Price	Amount
Base Bid					
1	Mobilization and Demobilization	1	LS	\$	\$
2	Environmental Compliance	1	LS	\$	\$
3	Hazardous Material Abatement	1	LS	\$	\$
4	Install Temporary Cooling Equipment	1	LS	\$	\$
5	Remove and Recycle (E) AHU-1	1	LS	\$	\$
6	Expand the (E) Concrete Equipment Pad	1	LS	\$	\$
7	Install (N) AC-1	1	LS	\$	\$
8	Manufacture and Install (N) Exterior Ducting	1	LS	\$	\$
9	Replace, Relocate, and Install Interior Supply Ductwork and Diffusers	1	LS	\$	\$
10	Balance Supply/Return Dampers	1	LS	\$	\$
11	Record Drawings	1	LS	\$	\$
TOTAL BASE BID ITEMS (1-11)					(In Numbers):
(In Words): _____					\$ _____
Additive Alternate #1					



12	Connect and Install Rigid Return Duct in Attic	1	LS	\$	\$
13	Connect, Adjust, and Install Return Flex Ductwork and Diffusers	1	LS	\$	\$
ADDITIVE ALTERNATE #1 BID ITEMS (12-13) :					(In Numbers):
(In Words): _____					\$ _____
Additive Alternate #2					
14	Reverse Supply and Return Ducting and Modify Interior Duct Work	1	LS	\$	\$
ADDITIVE ALTERNATE #2 BID ITEMS (14) :					(In Numbers):
(In Words): _____					\$ _____
Additive Alternate #3					
15	Install Fence with Redwood Inserts	1	LS	\$	\$
ADDITIVE ALTERNATE #3 BID ITEMS (12-13) :					(In Numbers):
(In Words): _____					\$ _____
TOTAL BASE BID PLUS ADDITIVE BID ITEMS (1-15):					(In Numbers):
(In Words): _____					\$ _____

Award of contract, if any be made, shall be made to the Contractor with the lowest responsive responsible Total Base Bid plus Additive Bid Items (1-15).



BID ITEM DESCRIPTIONS

This section covers details of individual items of the Bid Schedule to insure that it is clear as to what is to be included in each item. The costs submitted with each item are to reflect the work to be completed under that bid item only. Payment of all the following items shall be for actual materials installed on the job and for actual work accomplished.

1. Mobilization and Demobilization

Measurement and payment for this item shall be on a lump sum (LS) basis. The lump sum cost shall pay for all the costs of mobilization and demobilization for items awarded. The work shall include, but not be limited to, preparatory and cleanup work necessary for performance of the work in accordance with the Standard Specifications, Plans and Specifications, and as directed by the Engineer. This item also includes the movement of construction personnel, equipment, supplies and incidentals to and from the project site, and all other work and operations, which must be incurred prior to the beginning of and after the end of construction work. This item shall also include obtaining bonds, insurance policies, licenses, and permits required by the contract documents, project meetings, coordination and all related administrative costs for this Project. Partial payment of this bid item shall be based on percent of this item completed and shall be contingent upon the Contractor's furnishing and the City's acceptance of: 1) the schedule of values, 2) the construction schedule, 3) Traffic Control Plans, 4) Quality Control Plan, 5) all submittals and shop drawings, 6) electrician certifications, 7) subcontractor's Certificate of Good Faith Effort to hire local, and 8) fringe benefit summary statement. Also included in this bid item is maintaining the project site, regular cleanup and final cleanup, temporary fencing and staging area, if any.

2. Environmental Compliance

Measurement and payment for this item shall be on a lump sum basis. The work shall include, but not be limited to, furnishing of all labor, materials, tools, equipment and incidentals necessary for full compliance with the environmental review checklist as seen in Appendix G, and the editing and implementation of the "Environmental/Pollution Prevention Requirements" as shown in Appendix D of these Specifications and as directed by the Engineer. This work also includes compliance with all applicable rules, regulations, ordinances and statutes. This bid item shall include providing and installing BMP's, proper maintenance and inspection of all BMPs installed for the project, removal of BMP's, and clean up and proper disposal of any environmental pollutants due to construction related activities. In addition, this bid item shall include all work associated with adhering to and completing the EPP (Environmental Pollution Prevention) and C&D (Construction and Demolition) Report.

3. Hazardous Material Abatement

Measurement and payment for this item shall be based on a lump sum price paid for furnishing all labor, materials, tools, equipment, incidentals, proper certifications, training, handling and disposal for work necessary for the completion of this project. This work shall include, but not be limited to demolition and abatement of the (E) AHU-1, refrigerant, ducting, ceiling tile, wall board, and concrete. Any and all removal and abatement of materials containing hazardous and or regulated materials shall be handled in accordance with state and federal regulations as shown on the Plans or described in these Specifications. Appendix F are the hazardous material sampling reports taken for this job. The contractor shall be responsible for reviewing the sampling reports, and properly handling all hazardous materials.

4. Install Temporary Cooling Equipment

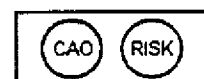
Measurement and payment for this item shall be on a lump sum basis. The work shall include, but not be limited to, furnishing of all labor, materials, tools, equipment and incidentals necessary for the temporary installation of mechanical cooling equipment capable of maintaining the space temperature within the B343 server room at or below 72deg F during construction. This shall include providing all power hookups, and or power supply's to operate the unit as shown on the Plans and in accordance with these Specifications.

5. Remove and Recycle (E) AHU-1

Measurement and payment for this item shall be determined on a lump sum basis paid for furnishing all labor, materials, tools, equipment, and incidentals, for work involved with decommissioning the existing pad-mounted 10 ton AC-1, properly recovering and disposing of all refrigerants from the unit in accordance with all codes and regulations, coordinating with a licensed hazardous material hauler with manifest signed by the Department of Public Works (DPW) for the removal and disposing of the AC-1 compressors containing oil-refrigerant mixture, removal of all existing connections (electrical, condensate, ductwork) to be salvaged or disposed of in accordance with the Environmental Protection Plan (EPP) as shown in the Plans and described in these Specifications.

**PERFORM MECHANICAL REPAIRS AND UPGRADES TO HVAC SYSTEMS
AND ASSOCIATED COMPONENTS: B343 PROJECT (DPW-14021E)**

Agreement #: Ag-5112 - Page 14 of 237



6. Expand the (E) Concrete Equipment Pad

Measurement and payment for this item shall be determined on a lump sum basis paid for furnishing all labor, materials, tools, equipment, and incidentals, for work involved with cutting and removing the concrete curb, excavation, installing dowels and rebar, and pouring concrete as shown on the Plans and described in these Specifications. All earthwork shall be completed under the supervision and surveillance of the Presidio of Monterey Archeologist.

7. Install (N) AC-1

Measurement and payment for this item shall be determined on a lump sum basis paid for furnishing all labor, materials, tools, equipment, and incidentals, for work involved with supplying, installing, and commissioning the (N) 10 ton AC-1 unit, as shown in the Plans and described in these Specifications.

8. Manufacture and Install (N) Exterior Ducting

Measurement and payment for this item shall be determined on a lump sum basis paid for furnishing all labor, materials, tools, equipment, and incidentals, for work involved with manufacturing the (N) internally lined external ducting for the (N) AC-1, and installing smoke dampers and smoke detector on the external supply and return ducting, installing the barometric relief damper and hood, installing a power exhaust fan at point of relief, and connecting the power exhaust to the (N) AC-1 as shown on the Plans and described in these Specifications.

9. Replace, Relocate, and Install Interior Supply Ductwork and Diffusers

Measurement and payment for this item shall be determined on a lump sum basis paid for furnishing all labor, materials, tools, equipment, and incidentals, for work involved with removing portions of interior flex duct, relocating supply diffusers, splicing in new flex duct, Running new ductwork including wall penetrations, and attaching all supply ductwork to corresponding diffusers as shown on the Plans, and described in these Specifications.

10. Balance Supply/Return Dampers

Measurement and payment for this item shall be determined on a lump sum basis paid for furnishing all labor, materials, tools, equipment, and incidentals, for work involved with measuring the airflow from each supply and return grill using an Air Balancing Hood or similar equipment to adjust the air flow at the dampers to meet the CFM (cubic foot per minute) values provided on the Plans, and as described in these Specifications.

11. Record Drawings

Measurement and payment for this item shall be on a lump sum (LS) basis for furnishing to the City a complete set of Record (As-Built) Drawings upon project completion.

Additive Alternate #1

12. Connect and Install Rigid Return Duct in Attic

Measurement and payment for this item shall be determined on a lump sum basis paid for furnishing all labor, materials, tools, equipment, and incidentals, for work involved with manufacturing a rigid 24" x 24" duct and 12" x 12" branching duct, connecting the duct to the (E) system, cutting and removing two 24" x 24" and one 12" x 12" attic penetrations for supply duct entry and exit points to and from the attic, providing fire caulking, drywall, or other air tight fire protection seals at all penetrations, and securing rigid ducts in attic by strapping them onto the joists, as shown on the Plans and described in these Specifications.

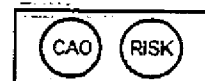
13. Connect, Adjust and Install Return Flex Ductwork and Diffusers

Measurement and payment for this item shall be determined on a lump sum basis paid for furnishing all labor, materials, tools, equipment, and incidentals, for work involved with tying three 12" diameter return duct sections of flex duct into the 24" x 24" rigid duct and tying a 12" diameter return section of flex duct onto the 12" x 12" rigid duct, installing balancing valves, and installing/relocating supply and return diffusers as shown in Plans, and described in these Specifications.

Additive Alternate #2

14. Reverse Supply and Return Ducting and Modify Interior Duct Work

Measurement and payment for this item shall be determined on a lump sum basis paid for furnishing all labor, materials,



tools, equipment, and incidentals, for any additional work involved in providing the exterior ductwork bid item number 7 such that the supply and return ducting passing through the building walls are supplied with reverse flowing air. In addition, this additive bid item includes all relocating of existing registers, the addition of two additional supply registers, and all associated ductwork as shown in Plans, and described in these Specifications.

Additive Alternate #3

15. Install Fence with Redwood Inserts

Measurement and payment for this item shall be determined on a lump sum basis paid for furnishing all labor, materials, tools, equipment, and incidentals, for work involved with installing a 4' tall chain-link fence with redwood inserts. The fence shall be mounted to the perimeter of the concrete pad, have an access gate and fully surround the (N) AC-1 unit as shown on the Plans and described in these Specifications.

FINAL PAY ITEMS

Items designated with (F) are Final Pay items in accordance with Section 9, "Payment", of the Standard Specifications

ANCILLARY ITEMS

Payment for any items that do not have instruction indicating where expenses for said items are to be accounted for are to be considered ancillary to the work and accounted for in every one of the lump sum or unit price items and no additional compensation will be allowed therefor.

LUMP SUM PRICE BREAKDOWN

Immediately after award of the contract, the contractor shall submit a cost breakdown list to the Engineer for all Lump Sum Bid items. The list shall consist of major elements of work that make up the item and shall be used for determining progress pay estimates.

BID CLARIFICATION

Award of contract, if any be made, shall be made to the Contractor with the lowest responsive responsible Total Base Bid Plus Additive Bid Items (1-15).

Pursuant to the provisions of the California Public Contract Code Section 20103.8, City reserves the option to award any or all the additive bid items in addition to the original contract after the lowest responsive responsible Bidder has been determined, should the City later obtain additional funding for additive alternatives not awarded with the original contract.

For responsible bidder as it pertains to this contract, see Part I, Responsible Bidder.

Unit and lump sum prices shall be for items in place, as shown on the Plans, including all labor, materials, equipment, taxes, and incidentals necessary for a complete job.

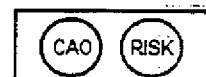
Whenever unit prices are required and there is an incorrect extension thereof, the unit price correctly extended shall prevail and the total bid shall be corrected to reflect the correct extension. If a bid item amount is zero, enter zero. If a bid item is included elsewhere, enter "included". Do not enter "N/A" into the Bid Schedule.

The foregoing quantities are approximate only, being given as a basis for comparison of bids, and the City of Monterey does not, expressly or by implication, agree that the actual amount of work will correspond therewith, but reserves the right to increase or decrease the amount of work by twenty-five percent (25%) or to omit portions of the work as may be deemed necessary by the Engineer.

Bidders may withdraw or revise their bid personally, or upon a written or telegraphic request, or by FAX (the City's FAX number is 646-3702), at any time prior to the hour set for the opening of bids, but not thereafter; however, the City shall not accept faxed copies of bid bonds, affidavits or any other documents where an original document or signature is required by these Specifications. Bids may not be withdrawn for the time period specified in BID VALIDITY of Part I.



The **Non-collusion Affidavit** included in this document shall be executed and submitted with each bid. The **Local Hire Certification** included in this document shall be executed and submitted with each bid, except in the following cases: 1) informal bids (i.e., under \$65,000); 2) whenever a state or federal law or regulation applicable to a particular contract prohibits the provision of a local hire requirement; or 3) whenever the City, in accordance with the requirements of the City Code or state law, determines that the contract is necessary to respond to an emergency which endangers the public health, safety, or welfare; or 4) whenever the City determines that a suitable pool of persons providing specialized skills does not exist locally for a specific public works project.



DECLARATION OF BIDDER RE: LICENSE QUALIFICATIONS

Bidder certifies he/she posses a license in accordance with a State Act providing for the registration of Contractors.
License No. : _____, Class: _____, Expiration date: _____.

THE FOREGOING INFORMATION IS TRUE AND CORRECT AND IS EXECUTED UNDER PENALTY OR PERJURY IN

_____ COUNTY, CALIFORNIA, ON _____, 201_____.

Name of Firm: _____

Address: _____

Telephone: _____

Email: _____

(If firm is an individual, so state. If a firm or co-partnership, state the firm name and give the names of person authorized to execute the declaration on its behalf.)

FAILURE TO PROVIDE ANY OF THE INFORMATION REQUIRED HEREIN INCLUDING CONTRACTOR SIGNATURES MAY RESULT IN YOUR BID BEING DEEMED NON-RESPONSIVE

Signature Printed Name and Title

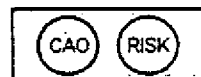
The Bidder shall list below any and all addenda issued for this project. Failure to list issued addenda will result in a non-responsive bid:

ADDENDA	DATE RECEIVED
1. _____	_____
2. _____	_____
3. _____	_____
4. _____	_____

The Bidder shall list below jobs of a similar nature completed by Bidder's organization within the past three (3) years:

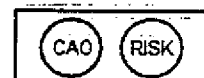
Date Completed	Dollar Amount	Agency Name	Type Of Job	Project Location
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

PERFORM MECHANICAL REPAIRS AND UPGRADES TO HVAC SYSTEMS AND ASSOCIATED COMPONENTS: B343 PROJECT (DPW-14021E)



The Bidder shall list below the name, the location of the place of business, and the California contractor license number of any subcontractors proposed to perform work or labor or render service on this project, or a subcontractor licensed by the State of California who will specially fabricate and install a portion of the work or improvement according to detailed drawings contained in the plans and specifications of this project, whose work is in excess of one-half of 1 percent of the Bidder's total bid or, in the case of bids or offers for the construction of streets or highways, including bridges, in excess of one-half of 1 percent of the Bidder's total bid or ten thousand dollars (\$10,000), whichever is greater:

1	DBE (Y/N)	License No.	Subcontractor Name	Subcontractor Place of Business
	Item No.	Amount (\$) or % of Bid Item	Trade/Description of Work	
2	DBE (Y/N)	License No.	Subcontractor Name	Subcontractor Place of Business
	Item No.	Amount (\$) or % of Bid Item	Trade/Description of Work	
3	DBE (Y/N)	License No.	Subcontractor Name	Subcontractor Place of Business
	Item No.	Amount (\$) or % of Bid Item	Trade/Description of Work	
4	DBE (Y/N)	License No.	Subcontractor Name	Subcontractor Place of Business
	Item No.	Amount (\$) or % of Bid Item	Trade/Description of Work	
5	DBE (Y/N)	License No.	Subcontractor Name	Subcontractor Place of Business
	Item No.	Amount (\$) or % of Bid Item	Trade/Description of Work	
6	DBE (Y/N)	License No.	Subcontractor Name	Subcontractor Place of Business
	Item No.	Amount (\$) or % of Bid Item	Trade/Description of Work	
7	DBE (Y/N)	License No.	Subcontractor Name	Subcontractor Place of Business
	Item No.	Amount (\$) or % of Bid Item	Trade/Description of Work	



NONCOLLUSION AFFIDAVIT TO BE EXECUTED BY BIDDER, LEGALLY NOTARIZED AND SUBMITTED WITH BID

State of California)
) ss.
County of _____)

_____, being first duly sworn, deposes and says that he or she is _____ of _____, the party making the foregoing bid; that the bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that the bid is genuine and not collusive or sham; that the Bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid, and has not directly or indirectly colluded, conspired, connived or agreed with any Bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the Bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the Bidder or any other Bidder, or to fix any overhead, profit, or cost element of the price bid, or of that of any other Bidder, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid are true; and, further, that the Bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid; and that the bid is not made in the interest of, or on behalf of, any member of the Monterey City Council or any City officer or employee.

Signed: _____

State of _____)
) ss.
County of _____)

On _____ before me, _____
Date Name and Title of the Officer

Notary Public, personally appeared _____
Name(s) of Signer(s)

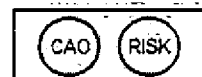
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the persons(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

(Notary seal or stamp)

Notary's Signature



DEBARMENT AND SUSPENSION CERTIFICATION

The Bidder, under penalty of perjury, certifies that, except as noted below, he/she or any other person associated therewith in the capacity of owner, partner, director, officer, manager:

- Is not currently under suspension, debarment, voluntary exclusion, or determination of ineligibility by any state, federal, or local agency;
- Has not been suspended, debarred, voluntarily excluded or determined ineligible by any state, federal, or local agency within the past 3 years;
- Does not have a proposed debarment pending; and
- Has not be indicted, convicted, or had a civil judgment rendered against it by a court of competent jurisdiction in any matter involving fraud or official misconduct within the past 3 years.

If there are any exceptions to this certification, insert the exceptions in the following space.

Exceptions will not necessarily result in denial of award, but will be considered in determining Bidder responsibility. For any exception noted above, indicate below to whom it applies, initiating agency, and dates of action.

Notes: Providing false information may result in criminal prosecution or administrative sanctions.

I declare under penalty of perjury that the foregoing is true and correct and that this certification is signed this _____ day of _____, 201__ in _____ County, California.

Signature

Printed Name and Title



PART III - GENERAL PROVISIONS
FORMAL BID (\$65,000 and over)

BIDDING

JOB SITE AND DOCUMENT EXAMINATION

The bidder is required to thoroughly examine the job site, Plans and Specifications including Contract Form (See Part III, Page 2) for the work contemplated, and it will be assumed that the bidder has investigated and is satisfied as to the requirements of the plans and specifications, including the contract. It is mutually agreed that submission of a proposal shall be considered prima facie evidence that the bidder has made such examination.

BID DOCUMENT COMPLETION

Proposals to receive consideration shall be made in accordance with the following instructions:

1. The proposal shall be made upon the form provided therefor with all items filled out (Appendix A of these specifications). The completed form must be without interlineations, alterations, or erasures. All submitted documents must be in original form (no photocopies or faxes).
2. Each bid shall be accompanied by cash, a cashier's check, a certified check, or a bidder's bond executed by the bidder and an acceptable surety in original form, or any negotiable instruments in original form that are not cancelable amounting to ten percent (10%) of the bid, payable to the City of Monterey. The amount so posted shall be forfeited to the municipality if the bidder does not, within fifteen (15) calendar days after written notice that the contract has been awarded to said bidder, enter into a contract with the municipality for the work.

The City shall have the right to hold all bid bonds until award of the contract. However, the Finance Director may order the return of all bid bonds except that of the two (2) lowest bidders prior to the award.

CONTRACT AWARD AND EXECUTION

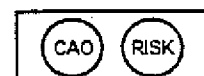
CONTRACT AWARD

The contract shall be awarded, if an award is made, to the lowest responsive responsible bidder as defined in Part II, Bid Clarification, of these specifications, within ninety (90) calendar days from the date bids are publicly opened, examined and declared unless a different bid validity period is specified in Part I, Bid Validity. If the award is not made within the specified period, then all of the bids submitted shall be deemed to have been rejected by the legislative body.

CONTRACT EXECUTION

A contract shall not be deemed to have been made between the Contractor and the City of Monterey until all of the following steps have been completed:

1. Award of the contract by the City Council
2. Execution of a written agreement by the Contractor, on the form set forth herein, within fifteen (15) calendar days after written notice that the contract has been awarded to him.
3. Delivery by the Contractor to the City of Monterey, the contract bonds and certificates of insurance as required by these specifications.



PUBLIC WORKS CONTRACT (Formal Bid)

[Insert Project Name, as Listed on Resolution] Project [Insert Project Code]

THIS AGREEMENT, hereinafter referred to as the "Agreement", made and entered into this _____ day of _____, 201____, by and between the CITY OF MONTEREY, a municipal corporation, hereinafter referred to as the "City", and INSERT CONTRACTOR NAME hereinafter referred to as the "Contractor";

WITNESSETH:

WHEREAS, the Council of the City has awarded a contract to the Contractor for performing the work hereinafter described in accordance with the City's [Plans and] Specifications and Contractor's sealed proposal;

NOW, THEREFORE, IT IS AGREED AS FOLLOWS:

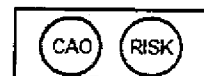
1. **SCOPE OF WORK.** The Contractor shall perform all of the work and furnish all labor, materials, equipment and transportation necessary for [Insert Project Name]. Work is to be as set out in the [Plans and] Specifications on file in the Office of the City Engineer and as in the Contractor's Proposal attached hereto, dated [Insert Month Day, Year], in an amount not to exceed [insert amount in words] dollars (\$###,###.00) plus a sum of up to [10%] for such contingencies as the City Manager, or his designee, deems appropriate.
2. **TIME OF PERFORMANCE.** The work under this contract shall commence within [fourteen (14)] calendar days from the effective date of the Notice to Proceed and shall be completed on or before the expiration of [insert no. of construction days (##)] calendar days from the effective date of the Notice to Proceed.
3. If any provision in this Agreement is held by a court of competent jurisdiction to be invalid, void, or unenforceable, the remaining provisions will continue in full force without being impaired or invalidated in any way.
4. Contractor agrees that in the performance of this Agreement, it will comply with all applicable state, federal and local laws, codes and regulations. This Agreement shall be governed by and construed in accordance with the laws of the State of California and the City of Monterey.
5. In accordance with the provisions of Sections 1725.5, 1771.1, 1771.3, and 1771.4 of the Labor Code, this project is subject to compliance monitoring and enforcement by the Department of Industrial Relations. A contractor or subcontractor shall not be qualified to bid on, be listed in a bid proposal, subject to the requirements of Section 4104 of the Public Contract Code, or engage in the performance of any contract for public work, as defined by that chapter of the Labor Code, unless currently registered and qualified to perform public work pursuant to Section 1725.5 of the Labor Code. It is not a violation of this section for an unregistered contractor to submit a bid that is authorized by Section 7029.1 of the Business and Professions Code or by Section 10164 or 20103.5 of the Public Contract Code, provided the contractor is registered to perform public work pursuant to Section 1735.5 at the time the contract is awarded.
6. The Monterey City Council awarded this contract on [Month Day, Year] by Resolution [##-###] C.S.
7. This Agreement shall consist of this Public Works Contract document and the following items, all of which are on file in the office of the City Clerk and are incorporated herein and made a part hereof by reference:

A. [Plans and] Specifications	E. Non-Collusion Declaration
B. Accepted Proposal	F. Debarment and Suspension Certification
C. Performance Bond	
D. Payment Bond (labor and materials)	

IN WITNESS WHEREOF, said Contractor and said City have hereunto set their hands, all on the day and year first above written.

ATTEST: CITY OF MONTEREY: [INSERT CONTRACTOR NAME]:

By: _____ By: _____ By: _____
City Clerk City Manager, or his designee [Insert Name, Title]



SCOPE OF WORK

INTENT

The work to be done consists of furnishing all labor, materials, methods and processes, implements, tools, equipment, incidentals and machinery except as otherwise specified, which are necessary and required to complete the contract in a satisfactory and workmanlike manner.

The intent of the plans and specifications is to prescribe the details for the construction and completion of the work which the Contractor undertakes to perform in accordance with the terms of the contract. Where the plans or specifications describe portions of the work in general terms, but not in complete detail, it is understood that only the best general practice is to prevail and that only materials and workmanship of the best quality are to be used.

CHANGES AND EXTRA WORK

Changes and extra work shall be in accordance with Section 4-1.05, Changes and Extra Work, of the Standard Specifications.

The Engineer reserves the right to make such alterations, deviations, additions to or omissions from the plans and specifications, including the right to increase or decrease the quantity of any item or portion of the work or to omit any items or portion of the work, as may be deemed by the Engineer to be necessary or advisable, and to require such extra work as may be determined by the Engineer to be necessary for the proper completion or construction of the whole work contemplated.

When special conditions arise, such as mitigation of unforeseen conditions or additional work, the work shall be negotiated as "extra work" in accordance with the Standard Specifications. Approved Change Orders shall describe the changes or extra work, contract time adjustments and payment basis for such work as applicable. Change Orders are valid contract amendments when approved and signed by the City and Contractor. All changes and extra work must be negotiated and approved before the work is performed.

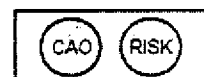
The City may require the Contractor to work outside approved construction hours noted in Part IV, Construction Procedure. For work done during these times, when required by the City, payment to the Contractor may be adjusted per General Prevailing Wage Rate provisions.

CLEANUP

All work sites shall be kept as clear of equipment, material and waste material as is practicable at all times. The City of Monterey and/or government Representative shall make the determination that this requirement is being complied with.

If the City is required to provide cleanup of the work sites due to failure of the Contractor to so provide, or in case of emergency, the City shall charge the Contractor the actual cost of labor and materials and may deduct said costs from any monies due and owing the Contractor.

Upon completion and before making application for acceptance of the work, the Contractor shall clean the street and/or other areas of work, and all ground occupied by him in connection with the work, of all rubbish, excess materials, temporary structures, and equipment, and all parts of the work shall be left in a neat and presentable condition.



CONTROL OF WORK

CONTRACT COMPONENTS

These specifications, the plans and all supplementary documents are essential parts of the contract, and a requirement occurring in one is as binding as though occurring in all; they are intended to be cooperative, to describe, and to provide for a complete job.

Shop drawings required by the plans, specifications or the Engineer shall be furnished by the Contractor and approved by the Engineer before any work relating to the shop drawings is performed unless approval is waived in writing by the Engineer.

It is mutually agreed that shop drawing approval by the Engineer does not relieve the Contractor of any responsibility for accuracy of dimensions and details, and that the Contractor shall be responsible for agreement and conformity of the shop drawings with the approved plans, specifications and site conditions.

Submittal review and approval by the Engineer does not relieve the Contractor from compliance with the requirements and intentions of the plans and specifications.

All authorized alterations affecting the requirements and information given on the approved plans and specifications shall be in writing. No changes shall be made on any plan, specification or drawing after the same has been approved by the Engineer, except by direction of the Engineer.

In the event of discrepancy, written dimensions shall take precedence over scaled dimensions. ENGINEER'S

AUTHORITY

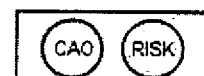
The Engineer shall respond to any and all inquiries as to the quality or acceptability of materials furnished and work performed, and as to the manner of performance and rate of progress of the work; all inquiries as to the interpretation of the plans and specifications; all inquiries as to the acceptable fulfillment of the contract on the part of the Contractor; and all inquiries as to claims and compensation. The Engineer's response shall be final and the Engineer shall have executive authority to enforce and make effective such responses.

Should it appear that the work to be done, or any matter relative thereto, is not sufficiently detailed or explained in the plans and specifications, the Contractor shall submit a written Request for Information (RFI) to the Engineer. Responses to RFI's shall be in writing and deemed part of the contract documents. Contractor shall comply with response explanation or interpretation so far as may be consistent with the intent of the plans, specifications and amendments thereto.

In the event of doubt or question relative to the true meaning of the plans and specifications, reference shall be made to the City Manager, or his designee, whose decision thereon shall be final.

ASSIGNMENT

The contract may be assigned only upon the written consent of the City Council.



SUBCONTRACTING

Any Proposed substitution of subcontractors must comply with the requirements of the Subletting and Subcontracting Fair Practices Act, California Public Contract Code §4100, et seq.

The Contractor shall give his personal attention to the fulfillment of the contract and shall keep the work under his control.

Subcontractors will not be recognized as such, and all persons engaged in the work of construction will be considered as employees of the Contractor, and their work shall be subject to the provisions of the contract, plans and specifications.

Where a portion of the work sublet by the Contractor is not being prosecuted in a manner satisfactory to the Engineer, the subcontractor shall be removed immediately on the requisition of the Engineer and shall not again be employed on the work.

REPRESENTATIVE

The Contractor shall assign a representative per Section 5-1.16, Representative, of the Standard Specifications and submit contact information (name, telephone number) to the City of Monterey Capital Projects Division. If the after-hours representative is different than the on-site representative, provide contact information for both.

The Contractor shall be constantly on the work during its progress or shall be represented by a foreman who is competent to receive and carry out instructions which may be given by the proper authorities, and the Contractor shall be held liable for the faithful observance of any lawful instructions of the Engineer not in conflict with the contract, and which may be delivered to the Contractor, contractor's superintendent, foreman, or other representatives on the work. If the Contractor believes the Engineer's instructions are in conflict with the contract, the Contractor shall immediately bring it to the attention of the Engineer in writing.

The Contractor shall provide and maintain an office in the City of Monterey near the site of the work and shall allot such space to the Engineer or his representative as is required for proper keeping of records and plans of work, if required by the plans or specifications.

EQUIPMENT

While certain sections of these specifications may provide that equipment of a particular size and type is to be used to perform portions of the work, it is to be understood that the development and use of new or improved equipment is to be encouraged.

The Contractor may request, in writing, permission from the Engineer to use equipment of a different size or type in place of the equipment specified.

The Engineer, before considering or granting such request, may require the Contractor to furnish, at Contractor's expense, evidence satisfactory to the Engineer that the equipment proposed for use by the Contractor is capable of producing work equal to, or better than, that which can be produced by the equipment specified.



PROPERTY AND FACILITY PRESERVATION

Attention is directed to Section 5-1.36, Property and Facility Preservation, Section 7-1.05, Indemnification and Section 7-1.06, Insurance, of the Standard Specifications. Due care shall be exercised to avoid injury to existing street improvements or facilities, utility facilities, adjacent property, roadside trees and shrubbery that are not to be removed.

The Contractor shall be held responsible for any damages to existing streets, highways, roads, driveways, sidewalks, curbs, gutters, utilities, other public facilities or private property caused by Contractor's operations. Where the work calls for cutting into or disturbing existing materials, the Contractor shall patch or repair the existing area to a neat, finished product. This shall include touch up or repair of the existing which was disturbed, and repair to the same structural capacity as the existing facility or better.

Full compensation for furnishing all labor, materials, tools, equipment and incidentals, and for doing all the work involved in protecting or repairing property, shall be considered as included in the prices paid for the various contract items of work, and no additional compensation will be allowed therefor.

POTENTIAL CLAIMS AND DISPUTE RESOLUTION

Potential claims and dispute resolution shall be in accordance with Section 5-1.43, Potential Claims and Dispute Resolution, of the Standard Specifications.

CONTRACTOR'S RESPONSIBILITY FOR WORK

All work which is defective in its construction or deficient in any of the requirements of the plans and specifications shall be remedied or removed and replaced by the Contractor in an acceptable manner, and no compensation will be allowed for such correction.

The inspection of the work shall not relieve the Contractor of any of his obligations to fulfill the contract as prescribed. Defective work shall be made good, and unsuitable materials may be rejected, notwithstanding the fact that such defective work and unsuitable materials have been previously overlooked or approved by the Engineer and accepted or estimated for payment.

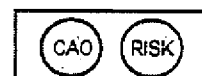
All work done beyond the lines and grades shown on plans or established by the Engineer, or any extra work done without written authority, will be considered as unauthorized and will not be paid for.

Upon failure on the part of the Contractor to comply forthwith with any order of the Engineer made under the provisions of this article, the Engineer shall have authority to cause defective work to be remedied, or removed and replaced, and unauthorized work to be removed. The cost of removing, replacing, or repairing said defective or unauthorized work may be deducted from any monies due and owing the Contractor but said right of set-off shall be an alternative and not the sole remedy of the City.

Until the formal acceptance of the work by the City (as constituted by the filing of the Notice of Completion), the Contractor shall have the charge and care thereof and shall bear the risk of injury or damage to any part thereof by the action of the elements or from any other cause whether arising from the execution or from the non-execution of the work. The Contractor shall rebuild, repair, restore, and make good all injuries or damages to any portion of the work occasioned by any of the above causes before final acceptance and shall bear the expense thereof, except such injuries or damages occasioned by the acts of the federal government or the public enemy.

**PERFORM MECHANICAL REPAIRS AND UPGRADES TO HVAC SYSTEMS
AND ASSOCIATED COMPONENTS: B343 PROJECT (DPW-14021E)**

Agreement #: Ag-5112 - Page 27 of 237



Should the City elect to occupy a project before acceptance, the City will issue a Notice of Substantial Completion designating those portions of the work that will be occupied or utilized. Contractor shall be relieved from maintenance and from the responsibility of injury and damage to this work. However, any guarantees will not begin until acceptance of the entire project, and the Contractor shall retain responsibility for making good defective work or materials.

EMPLOYEES

All workmanship shall be fully up to the highest standard of modern construction and practice. The employment of labor shall comply with the prevailing local labor conditions and the Contractor shall employ only competent, careful, orderly persons upon the work. If at any time it shall appear to the Engineer that any person employed upon the work is incompetent, careless, reckless, or disorderly, or disobeys or evades orders and instructions, such person shall be immediately discharged and not again employed upon the work.

CONTROL OF MATERIALS

GENERAL

The Contractor shall furnish without charge such samples of materials and tests of materials as are required by the plans, specifications or the Engineer. No material shall be used until it has been approved by the Engineer.

All tests of materials ordered by the Engineer and made by the Contractor shall be made in accordance with commonly recognized standards of national organizations, and such special methods of tests as are prescribed in the plans and specifications.

All materials not conforming to the requirements of the plans and specifications shall be considered defective, and all such materials, whether in place or not, shall be rejected and shall be removed immediately from the site of the work unless otherwise permitted by the Engineer. No rejected materials, the defects of which have been subsequently corrected, shall be used until approved in writing by the Engineer.

Upon failure on the part of the Contractor to comply with any order of the Engineer made under the provisions of this article, the Engineer shall have authority to remove and replace defective material. The cost of removing, replacing or repairing said defective or unauthorized material may be deducted from any monies due and owing the Contractor but said right of set-off shall be an alternative and not the sole remedy of the City.

For convenience in designation on the plans or in the specifications, certain articles or materials to be incorporated in the work may be designated under a trade name or the name of a manufacturer and his catalog information. The use of an alternative article or material which is of equal quality and of the required characteristics for the purpose intended will be permitted, provided that the burden of proof as to the quality and suitability of alternatives shall be upon the Contractor who shall furnish, at the contractor's expense, all information necessary as required by the Engineer. The Engineer shall be the sole judge as to the quality and suitability of alternative articles or materials and that decision shall be final.

MATERIAL SOURCE

At the option of the Engineer, the source of supply of each of the materials shall be approved by the Engineer before delivery is started and before such material is used in the work. Representative preliminary samples of the character and quality prescribed shall be submitted by the Contractor or producer of all materials to be used in the work, for testing or examination by the Engineer.



QUALITY

Except as otherwise provided, sampling and testing of all materials, and the laboratory methods and testing equipment required under the plans and specifications shall be in accordance with the latest requirements of the State of California, Department of Transportation, Office of Materials Engineering and Testing Services. Sampling and testing of materials not covered by CalTrans specifications and not otherwise provided for, shall be in accordance with the latest Test Methods and Standards of the American Society for Testing and Materials (ASTM).

GUARANTEE

All materials supplied and all work done under this contract shall be guaranteed by the Contractor for a period of one (1) year from the date of formal acceptance by the City of Monterey. Upon receipt of notice from the Engineer of failure of any part of the guaranteed materials during the guarantee period, the affected parts shall be replaced promptly and at the expense of the Contractor.

The Contractor shall maintain the performance bond (See Part IV, Contract Bonds) in full force and effect during the guarantee period for the purpose of insuring that said repairs or replacements will be made, or may, at the Contractor's option, replace said performance bond for a similar bond in the amount of twenty (20) percent of the total contract amount including adjustments or the original performance bond, whichever is greater.

LEGAL RELATIONS AND RESPONSIBILITY TO THE PUBLIC

LAWS

The Contractor shall keep fully informed of all existing and future state and federal laws and all municipal ordinances and regulations of the City of Monterey which in any manner affect those engaged or employed in the work, or the materials used in the work, or which in any way affect the conduct of the work, and of all such orders and decrees of bodies or tribunals having any jurisdiction or authority over the same.

All work shall comply in every respect with all the governing laws, regulations, and ordinances of the City of Monterey, which shall be considered for the purpose of contract to which the plans and specifications refer, a part thereof. The Contractor shall give to the proper authorities all necessary notices relative to the work, and shall obtain and pay for all such permits, licenses, notices, inspections, or tests required as part of the contract price. All permits issued by the City for work done under this contract shall be issued at no charge.

All bidders and contractors shall be licensed in accordance with the laws of this State, specifically the provisions the Business and Professions Code, Division 3, Chapter 9. Any bidder or contractor not so licensed is subject to the penalties imposed by such laws. In accordance with the requirements in Public Contract Code Section 10164, in all contracts where Federal funds are involved, the Contractor shall be properly licensed at the time the Contract is awarded.

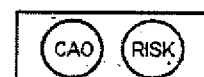
NONDISCRIMINATION

The Contractor shall comply with Section 1735 of the Labor Code, which reads as follows:

"No discrimination shall be made in the employment of persons upon public works because of the race, religious creed, color, national origin, ancestry, physical handicap, medical condition, marital status, or sex of such persons, except as provided in Section 12940 of the Government Code, and every contractor for public works violating this section is subject

**PERFORM MECHANICAL REPAIRS AND UPGRADES TO HVAC SYSTEMS
AND ASSOCIATED COMPONENTS: B343 PROJECT (DPW-14021E)**

Agreement #: Ag-5112 - Page 29 of 237



to all the penalties imposed for a violation of this chapter."

The Contractor shall include the nondiscrimination and compliance provisions of this clause in all subcontracts to perform Work under the contract.

LABOR CODE

In accordance with the provisions of Sections 1725.5, 1771.1, 1771.3, and 1771.4 of the Labor Code, this project is subject to compliance monitoring and enforcement by the Department of Industrial Relations. A contractor or subcontractor shall not be qualified to bid on, be listed in a bid proposal (subject to the requirements of Section 4104 of the Public Contract Code), or engage in the performance of any contract for public work, as defined by that chapter of the Labor Code, unless currently registered and qualified to perform public work pursuant to Section 1725.5 of the Labor Code.

An inadvertent error in listing a subcontractor that is not registered shall not be grounds for filing a bid protest or grounds for considering the bid nonresponsive, provided that any one of Section 1771.(c)(1)-(3) applies. Failure of a listed subcontractor to be registered shall be grounds for the contractor to substitute a registered subcontractor for the unregistered subcontractor. The City shall not accept any bid, nor shall the City or bidder enter any contract or subcontract, without proof of the contractor or subcontractor's current registration to perform public work pursuant to Section 1725.5 of the Labor Code. The prime contractor shall post job site notices, as required by Section 1771.4(a) (2) of the Labor Code and regulations. The prime contractor shall submit records to the Labor Commissioner, as required by Sections 1771.4(a) (3), 1771.4(c) (2), and 1776 of the Labor Code.

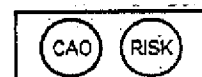
WAGES

Local prevailing wage rates shall be paid in accordance with Sections 1770, 1773, and 1782, as amended, of the California Labor Code, and Section 28-20(e) of the Monterey City Code, on all public works construction contracts exceeding twenty-five thousand dollars (\$25,000) and all public works contracts for alteration, demolition, repair or maintenance work exceeding fifteen thousand dollars (\$15,000).

The Contractor and any subcontractor under the Contractor shall comply with Labor Code Sections 1774 and 1775. Pursuant to Section 1775, the Contractor and any subcontractor under the Contractor shall forfeit to the State or political subdivision on whose behalf a contract is awarded a penalty of not more than two hundred dollars (\$200), or such other amount as may be amended from time to time by the Department of Industrial Relations, for each calendar day, or portion thereof, for each worker paid less than the prevailing rates as determined by the Director of Industrial Relations for the Work or craft in which the worker is employed for any public (City) Work done under the contract by the Contractor or by any subcontractor under the Contractor in violation of the requirements of the Labor Code and in particular, Labor Code Sections 1770 to 1780, inclusive. The amount of this forfeiture shall be determined by the Labor Commissioner and shall be based on consideration of the mistake, inadvertence, or neglect of the Contractor or subcontractor in failing to pay the correct rate of prevailing wages, or the previous record of the Contractor or subcontractor in meeting their respective prevailing wage obligations; or the willful failure by the Contractor or subcontractor to pay the correct rates of prevailing wages. A mistake, inadvertence, or neglect in failing to pay the correct rate of prevailing wages is not excusable if the Contractor or subcontractor had knowledge of the obligations under the Labor Code. In addition to the penalty and pursuant to Labor Code Section 1775, the difference between the prevailing wage rates and the amount paid to each worker for each calendar day or portion thereof for which each worker was paid less than the prevailing wage rate shall be paid to each worker by the Contractor or subcontractor. If a worker employed by a subcontractor on a public works (City) project is not paid the general prevailing per diem wages by the subcontractor, the prime contractor of the project is not liable for the penalties described above unless the prime contractor had knowledge of that failure of the subcontractor to pay the specified prevailing rate of wages to those workers or unless the prime contractor fails to comply with all of the following requirements:

**PERFORM MECHANICAL REPAIRS AND UPGRADES TO HVAC SYSTEMS
AND ASSOCIATED COMPONENTS: B343 PROJECT (DPW-14021E)**

Agreement #: Ag-5112 - Page 30 of 237



1. The contract executed between the contractor and the subcontractor for the performance of Work on the public works (City) project shall include a copy of the requirements in Sections 1771, 1775, 1776, 1777.5, 1813 and 1815 of the Labor Code.
2. The contractor shall monitor the payment of the specified general prevailing rate of per diem wages by the subcontractor to the employees, by periodic review of the certified payroll records of the subcontractor.
3. Upon becoming aware of the subcontractor's failure to pay the specified prevailing rate of wages to the subcontractor's workers, the contractor shall diligently take corrective action to halt or rectify the failure, including, but not limited to, retaining sufficient funds due the subcontractor for Work performed on the public works (City) project.
4. Prior to making final payment to the subcontractor for Work performed on the public works (City) project, the contractor shall obtain an affidavit signed under penalty of perjury from the subcontractor that the subcontractor has paid the specified general prevailing rate of per diem wages to the subcontractor's employees on the public works (City) project and any amounts due pursuant to Section 1813 of the Labor Code.

Pursuant to Section 1775 of the Labor Code, the Division of Labor Standards Enforcement shall notify the Contractor on a public works (City) project within 15 days of the receipt by the Division of Labor Standards Enforcement of a complaint of the failure of a subcontractor on that public works (City) project to pay workers the general prevailing rate of per diem wages. If the Division of Labor Standards Enforcement determines that employees of a subcontractor were not paid the general prevailing rate of per diem wages and if the City did not retain sufficient money under the contract to pay those employees the balance of wages owed under the general prevailing rate of per diem wages, the contractor shall withhold an amount of moneys due the subcontractor sufficient to pay those employees the general prevailing rate of per diem wages if requested by the Division of Labor Standards Enforcement. The Contractor shall pay any money retained from and owed to a subcontractor upon receipt of notification by the Division of Labor Standards Enforcement that the wage complaint has been resolved. If notice of the resolution of the wage complaint has not been received by the Contractor within 180 days of the filing of a valid notice of completion or acceptance of the public works (City) project, whichever occurs later, the Contractor shall pay all moneys retained from the subcontractor to the City. These moneys shall be retained by the City pending the final decision of an enforcement action.

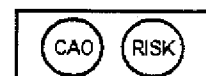
Pursuant to the requirements in Section 1773 of the Labor Code, the City has obtained the general prevailing rate of wages (which rate includes employer payments for health and welfare, pension, vacation, travel time and subsistence pay as provided for in Section 1773.8 of the Labor Code, apprenticeship or other training programs authorized by Section 3093 of the Labor Code, and similar purposes) applicable to the Work to be done, for straight time, overtime, Saturday, Sunday and holiday Work. The holiday wage rate listed shall be applicable to all holidays recognized in the collective bargaining agreement of the particular craft, classification or type of workmen concerned.

The general prevailing wage rates and any applicable changes to these wage rates are available at the City of Monterey, Capital Projects Office, 353 Camino El Estero, Monterey, CA, (831-646-3997). General prevailing wage rates are also available from the California Department of Industrial Relations' Internet Web Site at: <http://www.dir.ca.gov>.

The wage rates determined by the Director of Industrial Relations for the project refer to expiration dates. Prevailing wage determinations with a single asterisk after the expiration date are in effect on the date of advertisement for bids and are good for the life of the contract. Prevailing wage determinations with double asterisks after the expiration date indicate that the wage rate to be paid for Work performed after this date has been determined. If Work is to extend past this date, the new rate shall be paid and incorporated in the contract. The Contractor shall contact the Department of Industrial Relations as indicated in the wage rate determinations to obtain predetermined wage changes. Pursuant to Section

**PERFORM MECHANICAL REPAIRS AND UPGRADES TO HVAC SYSTEMS
AND ASSOCIATED COMPONENTS: B343 PROJECT (DPW-14021E)**

Agreement #: Ag-5112 - Page 31 of 237



1773.2 of the Labor Code, general prevailing wage rates shall be posted by the Contractor at a prominent place at the site of the Work.

Changes in general prevailing wage determinations which conform to Labor Code Section 1773.6 and Title 8 California Code of Regulations Section 16204 shall apply to the project when issued by the Director of Industrial Relations at least ten (10) days prior to the date of the Notice Inviting Bids for the project.

The City will not recognize any claim for additional compensation because of the payment by the Contractor of any wage rate in excess of the prevailing wage rate set forth in the contract. The possibility of wage increases is one of the elements to be considered by the Contractor in determining the bid, and will not under any circumstances be considered as the basis of a claim against the City on the contract. The Contractor shall make travel and subsistence payments to each workman, needed to execute the Work, in conformance with the requirements in Labor Code Section 1773.8.

CERTIFIED PAYROLL RECORDS

The Contractor shall conform to the requirements in Labor Code Section 1776 concerning payroll records. Regulations implementing Labor Code Section 1776 are located in Sections 16016 through 16019 and Sections 16207.10 through 16207.19 of Title 8, California Code of Regulations. The Contractor and each subcontractor shall preserve their payroll records for a period of 3 years from the date of completion of the contract.

APPRENTICES

The Contractor and subcontractors shall comply with the provisions in Sections 1777.5, 1777.6 and 1777.7 of the California Labor Code and Title 8, California Code of Regulations Section 200 et seq. To ensure compliance and complete understanding of the law regarding apprentices, and specifically the required ratio thereunder, the Contractor and each subcontractor should, where some question exists, contact the Division of Apprenticeship Standards, 455 Golden Gate Avenue, San Francisco, CA 94102, or one of its branch offices prior to commencement of Work on the contract. Responsibility for compliance with this section lies with the Contractor. It is State and City policy to encourage the employment and training of apprentices on public works contracts as may be permitted under local apprenticeship standards.

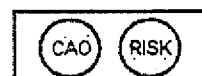
WORKING HOURS

Eight hours labor constitutes a legal day's Work. The Contractor or any subcontractor under the Contractor shall forfeit, as a penalty to the State of California, twenty five dollars (\$25) or such other amount as may be amended by the Department of Industrial Relations from time to time for each worker employed in the execution of the contract by the respective Contractor or subcontractor for each calendar day during which that worker is required or permitted to Work more than 8 hours in any one calendar day and 40 hours in any one calendar week in violation of the requirements of the Labor Code, and in particular, Section 1810 to Section 1815, thereof, inclusive, except that Work performed by employees of Contractors in excess of 8 hours per day, and 40 hours during any one week, shall be permitted upon compensation for all hours worked in excess of 8 hours per day at not less than one and one-half times the basic rate of pay, as provided in Section 1815 thereof.

OCCUPATIONAL SAFETY AND HEALTH STANDARDS

The Contractor shall conform to all local, state and federal rules and regulations pertaining to safety. Furnished equipment, material and services shall comply with all OSHA Standards and regulations and all applicable governmental laws and orders. The Contractor shall post an OSHA poster in a conspicuous location as required by

PERFORM MECHANICAL REPAIRS AND UPGRADES TO HVAC SYSTEMS AND ASSOCIATED COMPONENTS: B343 PROJECT (DPW-14021E)



law.

EXCAVATION SAFETY

Per California Labor Code Section 6500, Contractor shall possess a valid Construction Activity Permit for construction of trenches or excavations which are five (5) feet or deeper and into which a person is required to descend. When trenches or excavations five (5) feet or deeper are anticipated as part of the contract, Contractor shall possess a valid permit at the time of bidding and for the life of the contract. Contractor shall furnish copies of valid permits to the City of Monterey Capital Projects Division office. When required in Part I, Notice to Contractors, Contractor must provide evidence of a current T1 Annual Trench/ Excavation Permit at the time of bidding.

Contractor shall comply with California Labor Code Section 6705 which provides that prior to the commencement of excavation of any trench or trenches five (5) feet or more in depth, Contractor shall submit to the Engineer a detailed plan showing the design of shoring, bracing, sloping, or other provisions to be made for worker protection from the hazard of caving ground during the excavation of such trench or trenches. If such plan varies from the shoring system standards established by the Construction Safety Orders, the plan shall be prepared by a registered civil or structural engineer.

Plans must be submitted to the Engineer at least five (5) working days prior to the commencement of excavation. If said plans are not submitted five (5) days prior to the commencement of said excavation, the City shall not be liable to Contractor for any delay in work caused by delinquent submission of said plans.

Trenching of more than four (4) feet below the surface shall require the Contractor to promptly notify the Engineer if unknown hazardous wastes, subsurface or latent physical site conditions different from those indicated or unusual site conditions are encountered, and inform the City as to its duty to investigate those conditions. The Contractor may file for a change order for any conditions different from those indicated.

PUBLIC CONVENIENCE AND PUBLIC SAFETY

Attention is directed to Section 7-1.03, Public Convenience, and Section 7-1.04, Public Safety, of the Standard Specifications for the provisions relating to the Contractor's responsibility for providing for the convenience and safety of the public in connection with his operations. Standard Specifications are on file in the office of the City Engineer.

Contractor is to notify the Engineer of the start date and construction schedule at least nine (9) calendar days prior to the planned start of construction unless otherwise noted in Part IV.

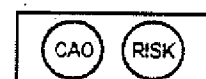
The Contractor shall conduct his operations as to cause the least possible inconvenience to public traffic. The Contractor shall provide traffic control devices or personnel where necessary in conformance with good traffic safety standards. The Contractor shall provide sufficient warning signs or devices to give adequate notice to the public of dangerous or changed conditions existing during construction.

The City Engineer shall determine the adequacy of said devices and, in cases of dispute, his determination shall be final.

If the City is required to provide traffic direction, signs or devices, due either to failure of the Contractor to so provide or in case of emergency, the City shall charge Contractor the actual cost of labor and materials and may deduct said costs from any monies due and owing the Contractor.

PERFORM MECHANICAL REPAIRS AND UPGRADES TO HVAC SYSTEMS
AND ASSOCIATED COMPONENTS: B343 PROJECT (DPW-14021E)

Agreement #: Ag-5112 - Page 33 of 237



WORKER'S COMPENSATION

Pursuant to the requirements in Section 1860 of the Labor Code, the Contractor will be required to secure the payment of workers' compensation to the Contractor's employees in conformance with the requirements in Section 3700 of the Labor Code.

PATENTS

If any material, composition, process, method of construction or any other thing called for or required by the plans and specifications or used in the work is covered by letter patent, all royalties and expenses thereof, all litigation thereupon, or anything whatsoever which may develop as a cost from the use of such materials, composition, process, method, or any other thing which is covered by letter patent, shall be borne by the Contractor.

RIGHT OF PROPERTY

Nothing in the contract shall be construed as vesting the Contractor with any right of property in the materials furnished and used in the work herein provided for after they have been attached to the work and have become an integral portion of the work herein provided. All such materials shall, upon their becoming an integral part of the work herein provided, be, and remain, the property of the City of Monterey.

INCREASED FORCE

In case of emergency involving danger to life or property, continuous work with increased force may be required by the Engineer.

LIABILITIES

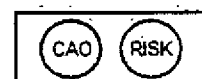
Right of general supervision by the City shall not make the Contractor an agent of the City, and the liability of the Contractor for all damages to persons or to public or private property arising from the Contractor's execution of the work shall not be lessened because of such general supervision.

PROSECUTION AND PROGRESS

GENERAL

If at any time in the opinion of the Engineer, the Contractor has failed to supply an adequate working force, or material of proper quality, or has failed in any other respect to prosecute the work with the diligence and force specified and intended in and by the terms of the contract, notice thereof in writing shall be served upon the Contractor. Should the Contractor neglect or refuse to provide means for a satisfactory compliance with the contract, as directed by the Engineer, within the time specified in such notice, the Engineer in any such case shall have the power to suspend the operation of the contract. Upon receiving notice of such suspension, the Contractor shall discontinue said work, or such parts of it as the City may designate.

Upon such suspension, the Contractor's control shall terminate, and thereupon the Engineer or duly authorized representative may take possession of all or any part of the Contractor's materials, tools, equipment, and appliances upon the premises, and use the same for the purpose of completing said contract, and hire such force and buy or rent such additional machinery and appliances, tools, and equipment and buy or rent such additional materials and supplies at the Contractor's expense as may be necessary for the proper construction of the work and for



the completion thereof; or may employ other parties to carry the contract to completion, employ the necessary workers, substitute other machinery or materials and purchase the materials contracted for in such manner as the City may deem proper; or the City may annul and cancel the contract and re-let the work or any part thereof.

Any excess of cost arising therefrom over and above the contract price will be charged against the Contractor and his sureties, who will be liable therefor. In the event of such suspension, all money due the Contractor or retained under the terms of this contract shall be forfeited to the City, but such forfeiture will not release the Contractor or his sureties from liability for failure to fulfill the contract. The Contractor and his sureties will be credited with the amount of money so forfeited toward any excess of cost over and above the contract price, arising from the suspension of the operations of the contract and the completion of the work by the City as above provided, and the Contractor will be so credited with any surplus remaining after all just claims for such completion have been paid.

In the determination of the question whether there has been any such noncompliance with the contract as to warrant the suspension or annulment thereof, the decision of the City Manager shall be binding on all parties to the contract.

SUSPENSIONS AND DELAYS

Suspensions of work and delays shall be in accordance with Section 8-1.06, Suspensions, and Section 8- 1.07, Delays, of the Standard Specifications.

The Engineer shall have the authority to suspend the work wholly or in part, for such period as the Engineer may deem necessary due to unsuitable weather, or to such other conditions as are considered unfavorable for the suitable prosecution of the work, or for such time as the Engineer may deem necessary due to the failure on the part of the Contractor to carry out Engineer's orders given or to perform any provisions of the work. The Contractor shall immediately obey such order of the Engineer and shall not resume work until ordered in writing by the Engineer.

Any act of, or any omission of anything required to be done by the City, its officers, agents or employees which shall cause the Contractor delay in the completion of the work shall be a ground for extension of time on the part of the Contractor to complete the work but shall not grant the Contractor any monetary damages for such delay.

RIGHTS OF WAY

Rights-of-way or easements for work to be constructed will be provided by the City. The Contractor shall make his own arrangements and pay all expenses for additional area required by him outside of the limits of rights-of-way or easements unless otherwise especially provided. In the event of delay on the part of the City, its officers, agents or employees in obtaining any such rights-of-way or easements for the work to be constructed, then the Contractor shall have time for the completion of his contract for the period or periods caused by such delay or delays but shall have no damages against the local entity, its officers, agents or employees.

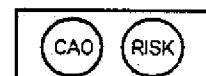
PAYMENT

GENERAL

Attention is directed to Section 9, Payment, of the Standard Specifications on file in the office of the City Engineer, the provisions of which shall govern unless other and conflicting provisions are set forth in these specifications and/or the plans.

The City pays for the Contractor furnishing the resources and activities to complete the work. The Contractor shall accept the City's payment as full compensation for furnishing the resources and activities, including, but not limited to all

**PERFORM MECHANICAL REPAIRS AND UPGRADES TO HVAC SYSTEMS
AND ASSOCIATED COMPONENTS: B343 PROJECT (DPW-14021E)**



labor, materials, tools, equipment, taxes and incidentals necessary to complete the work and for performing all work contemplated, and embraced under the contract; also for loss or damage arising from the nature of the work or from the action of the elements, or from any unforeseen difficulties which may be encountered during the prosecution of the work until the formal acceptance by the City, and for all risks of every description connected with the prosecution of the work; also for all expenses incurred in consequence of the suspension or discontinuance of the work as herein specified, and for completing the work according to the plans and specifications.

The City shall not be obligated to process any payment request until thirty (30) calendar days after receipt of a correct, complete and undisputed progress payment request or sixty (60) calendar days after receipt of a correct, complete and undisputed final payment request. Payments not made within the specified time periods are subject to an interest rate of two percent (2%) per month. A payment request shall not be deemed complete unless all related documentation has been supplied and verified, and all related contract requirements have been satisfactorily met.

PROGRESS PAYMENTS

The Contractor may, once each month, make an estimate in writing of the total amount of work done to the time of such estimate and the value thereof, and request payment for that work.

Upon approval of the progress payment request, the Engineer shall cause to be paid to the Contractor the balance not retained as aforesaid, after deducting therefrom all previous payments and all sums to be withheld or retained under the provisions of the contract. No such estimate or payment shall be required to be made when, in the judgment of the Engineer, the work is not proceeding in accordance with the provisions of the contract, or when in the judgment of the Engineer, the total value of the work done since the last estimate amounts to less than one thousand dollars (\$1,000.00).

Except as set forth in the following paragraph, the Engineer shall retain five percent (5%) of the value of the materials so estimated to have been furnished and delivered and unused, or furnished and stored as aforesaid, as part security for the fulfillment of the contract by the Contractor. The Engineer shall also retain five percent (5%) of the value of all work done.

The Contractor may elect to receive 100% of payments due under the contract from time to time, without retention of any portion of the payment by the City, by depositing approved securities of equivalent value with the City or in an escrow account with an approved bank in accordance with the provisions of Section 4590 of the Government Code. Such securities, if deposited by the Contractor, shall be valued by the City's Finance Director, whose decision on valuation of the securities shall be final.

No such estimate or payment shall be construed to be an acceptance of any defective work or improper materials.

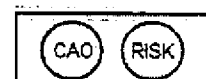
PAYMENT AFTER CONTRACT ACCEPTANCE

Upon receipt of written notice that the work is ready for final inspection and acceptance, the Engineer shall promptly make such inspection, and when the work is found to be acceptable under the contract and the contract fully performed, the Engineer shall file a Notice of Completion.

Final payment, including all sums withheld or retained as herein before specified as partial security for the fulfillment of the contract, shall be paid promptly by the City after expiration of the lien period (see California Civil Code § 3179 et seq.), providing there are no disputes arising from the performance of the contract or the amount due.



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**PERFORM MECHANICAL REPAIRS AND UPGRADES TO HVAC SYSTEMS AND ASSOCIATED
COMPONENTS: B343 PROJECT (DPW-14021E)**

PART IV - SPECIAL PROVISIONS

GENERAL

The work, in general, the work consists of, but is not limited to, removing and replacing the existing (E) air handling unit number one (AHU-1) along with its corresponding external ductwork, expanding the existing concrete equipment pad to prepare for the new (N) air conditioning unit number one AC-1, and providing one of a number of alternatives to reworking the interior ducting. The exterior equipment pad work consists of cutting a portion of the (E) concrete curb between the two adjacent sections of equipment pad, clearing grubbing and compacting the soil, installing epoxy anchored dowels and rebar, and pouring concrete. The new 10 ton AC-1 unit shall have an outdoor air economizer, a minimum of two modulating compressors with independent refrigerant loops, variable frequency drive (VFD) powered fans, and a remote exhaust fan. The new exterior supply and return ducting that corresponds with the new AC-1 unit shall have angular runs, be internally insulated, have smooth full radius bends, have turning veins at all 90 deg turns, have new fire smoke dampers, and a new duct detector. Included in the base bid, all interior duct registers shall be made operational, registers without balancing dampers shall be replaced with register with built in balancing dampers, some ducting shall be relocated to better serve the load, and a new humidistat and thermostat shall be installed where the thermostat controls the setpoint and schedule for the (N) AC-1 unit. Two additive alternate interior ducting plans are included herein for bid. One plan involves installing an insulated rigid duct routed through the attic space that redistributes the return air to create a hot isle cold isle system. The other additive alternate involves switching the existing supply and return ducting so that the supply is then discharged in large volume at a few points in the center of the room, and the return ducting is focused at the perimeter behind the servers with heavy cooling loads. A final additive alternate bid item involves installing a new chain link fence with redwood slats, and an access gate at the perimeter of the concrete slab to protect the (N) AC-1 unit from flying debris resulting from mowing operations.

PLANS AND SPECIFICATIONS

A component in one Contract part applies as if appearing in each. The parts are complementary and describe and provide for a complete work. The work embraced herein shall be done in accordance with the appropriate provisions of the Standard Specifications insofar as the same may apply, and in accordance with the specifications and plans. In case of conflict between the Standard Specifications, Standard Plans, and these Special Provisions and the Plans, the order of precedence shall be as follows:

Special Provisions shall take precedence over Plans and the Plans shall take precedence over Standard Specifications and Standard Plans. These Special Provisions shall also take precedence over conflicting portions of the "General Provisions, Part III" of these project specifications.

CONTRACT BONDS

For Bid Bond requirements, see Part I, Bid Bond, of these Specifications.

The Contractor, at the time of signing and executing the contract, shall execute and file with the City a performance bond to the satisfaction and approval of said City, in a sum of not less than one hundred percent (100%) of the amount of the contract conditional upon the faithful performance of the contract. For additional information, see Guarantees elsewhere in these specifications.

The Contractor, at the time of signing and executing any contract in excess of twenty-five thousand dollars (\$25,000), shall execute and file with the City a payment bond (public works labor and materials bond) to the satisfaction and approval of said City, in a sum of one hundred percent (100%) of the amount of the contract in accordance with Public Contract Code §.9550 et seq.

The surety shall be an admitted carrier in California with a valid surety license and possess a minimum rating from A. M. Best Company of A-VII. The Surety and /or co-sureties must be listed as an acceptable surety on federal bonds by the United States Department of the Treasury, subject to the maximum amount shown in the listing. If co-sureties are used,

**PERFORM MECHANICAL REPAIRS AND UPGRADES TO HVAC SYSTEMS
AND ASSOCIATED COMPONENTS: B343 PROJECT (DPW-14021E)**

Agreement #: Ag-5112 - Page 38 of 237



their bonds shall be on a joint and several basis.

Notwithstanding the above, the Contractor may substitute adequate securities for any bond called for under the provisions of these Specifications as set forth in Public Contracts Code Section 22300. Alternate security substitutions shall be submitted to the City no later than ten (10) days after written notice that a contract has been awarded to the contractor to allow processing and escrow agreement for in lieu security.

The Contractor shall submit the contract with his signature affixed thereto, required bonds or alternate security and evidence of insurance that conforms to the contract within fifteen (15) calendar days after written notice that a contract has been awarded to him.

The Contractor shall maintain the performance bond in full force and effect during the guarantee period for the purpose of insuring that said repairs or replacements will be made, or may, at the Contractor's option, replace said performance bond for a similar bond in the amount of twenty percent (20%) of the total contract amount, including adjustments, or the original performance bond, whichever is greater.

TIME LIMITS

The Contractor shall submit the contract with his signature affixed thereto, required bonds or alternative security and evidence of insurance that conforms to the contract within fifteen (15) calendar days after written notice that a contract has been awarded to him.

A Notice to Proceed will be issued upon receipt of the foregoing documents. The Contractor shall begin work within fourteen (14) calendar days after the effective date of the Notice to Proceed.

The Contractor shall diligently prosecute the contract to completion on or before the expiration of **Sixty (60) calendar days** from the effective date of the Notice to Proceed. Submittals and shop drawings shall be completed and submitted on or before the expiration of 14 calendar days from the effective date of the notice to proceed. All orders shall be placed within seven calendar days of the Contractors receipt of submittal approvals.

LICENSES AND PERMITS

Prior to the execution of any contractual agreements, the successful Bidder shall obtain a City of Monterey Business License and all applicable permits (except Coastal Zone Conservation permits) for construction.

SITE INSPECTION

It shall be the Contractor's responsibility to inspect the site and become thoroughly familiar with all aspects of the work to be done.

The submission of a bid shall be conclusive evidence that the Bidder has investigated the site and is thoroughly satisfied as to the conditions to be encountered, as to the character, quality, and scope of the work to be performed; the quantity of materials to be furnished; and as to all the requirements of these specifications.

It shall be the Contractor's responsibility to be aware of surface and subsurface drainage conditions that may exist at the site. The Contractor is further responsible for work necessary to rectify any resulting drainage problems; labor, materials, equipment, and incidentals necessary to achieve the solution shall be borne by the Contractor.

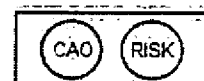
SUBMITTALS

The review of submittals and approval thereof by the City does not relieve the Contractor from compliance with the requirements and intentions of the plans and specifications to which the submittals pertain.

Submittal Format:

**PERFORM MECHANICAL REPAIRS AND UPGRADES TO HVAC SYSTEMS
AND ASSOCIATED COMPONENTS: B343 PROJECT (DPW-14021E)**

Agreement #: Ag-5112 - Page 39 of 237



1. Contractor shall submit individually bound copies of all submittals and revised submittals to the City's construction manager. A minimum of two (2) copies shall be submitted unless otherwise directed. Submittal submission may be done in pdf form via email.
2. All submittals shall have a cover sheet containing the following:
 - a. Submittal date, submittal number and submittal revision number (as applicable),
 - b. City project name,
3. Each submittal item shall clearly identify the specification section(s) and paragraph(s) for which the submittal item pertains to.
4. Contractor is not guaranteed a specific review time period. If Contractor requires a quick submittal turnaround of specific submittal items, Contractor must indicate which submittal items require a quick turnaround by attaching a memo to the submittal indicating such and the requested turnaround period. The City shall make every effort to meet the requested review period.
5. Contractor shall place orders for all materials or equipment in time to prevent any delays to the construction schedule or project completion. If any materials or equipment are not ordered in a timely fashion, any additional charges made by equipment manufacturers and/or suppliers to complete the manufacturer and/or delivery in time to meet the construction schedule or project completion, together with any special handling charges shall be borne by the Contractor.

Submittal Content and Product Data:

1. Contractor shall review and approve submittals prior to submission.
2. Submittals shall contain all required information such as shop drawings, product data, etc.
3. Each submittal item shall be identified by manufacturer, brand name, trade name, model number, size, rating and additional information as is necessary to properly identify and verify the materials and equipment. The phrase "as specified" is not considered sufficient.
4. Where possible, submittal information shall be limited to the specific item being submitted. In the event multiple materials or equipment are described in one submittal, Contractor shall clearly identify the pertinent information being submitted on.
5. Accessories, controls, finish, etc. not required to be submitted or identified with the submittal shall be furnished and installed as specified.

PROTECTION OF PRIVATE PROPERTY

Private property grounds and facilities, if damaged or removed because of the Contractor's operations, shall be restored or replaced to same or better than the original condition and located in the same position and alignment as is reasonably possible. Contractor shall comply with the applicable portions of Section 5-1.36, "Property and Facility Preservation", Section 7-1.05, "Indemnification", and Section 7-1.06, "Insurance" of the Standard Specifications.

CONSTRUCTION QUALITY CONTROL

Definitions

Quality Management (QM) - All control and assurance activities instituted to achieve the product quality established by the contract requirements.

PERFORM MECHANICAL REPAIRS AND UPGRADES TO HVAC SYSTEMS AND ASSOCIATED COMPONENTS: B343 PROJECT (DPW-14021E)

Agreement #: Ag-5112 - Page 40 of 237



Contractor Quality Control (CQC) - The construction contractor's system to manage, control, and document contractor's, suppliers', and subcontractor's activities to comply with contract requirements.

Contractor Responsibility

General: The Contractor shall establish and maintain an effective quality control system in compliance with the Plans and Specifications. The quality control system shall consist of plans, procedures, and organization necessary to provide materials, equipment, workmanship, fabrication, construction, and operations which comply with contract requirements. The system shall cover construction operations both onsite and offsite, and shall be keyed to the proposed construction sequence.

The Quality Control Plan

Quality Control Plans and Procedures.

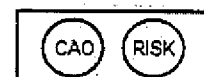
The Contractor will be required to prepare a Quality Control Plan. This plan shall include, as a minimum, the following:

1. A description of the quality control procedures, including a chart showing lines of authority and acknowledgement that the Contractor shall implement the control system for all aspects of the work specified and shall report to the project manager or someone higher in the Contractor's organization.
2. The name, qualifications, duties, responsibilities, and authorities of each person assigned a QC function.
3. A copy of the letter to the Engineer signed by an authorized official of the firm which describes the responsibilities and delegates the authority to implement the QC plan shall be furnished.
4. Procedure for scheduling and managing submittals, including those of subcontractors, offsite fabricators, suppliers, and purchasing agents.
5. Control testing procedures for each specific case. Note that in the case of federally-funded projects, QA/QC testing must be performed by the city by a Caltrans-certified lab.
6. Reporting procedures including proposed reporting formats.

QC Plan Implementation

1. **Preconstruction Conference.** During the pre-construction conference, a mutual understanding of the CQC system details shall be developed, including the forms for recording the CQC operations, control activities, testing, administration of the system for both onsite and offsite work, and the interrelationship of Contractor's management with the Engineer's inspection. Minutes of the conference shall be prepared by City staff, and be signed by both the Contractor and the Engineer. The minutes shall become a part of the contract file. There may also be occasions when subsequent conferences will be called to reconfirm mutual understandings.
2. **General.** After issuance of the Notice to Proceed, and prior to the start of construction, the Contractor shall furnish, for acceptance by the Engineer, the Contractor Quality Control (CQC) Plan with which he proposes to implement the requirements of Contract Clause entitled "Construction Quality Control". The plan shall identify personnel, procedures, instructions, records, and forms to be used. If the Contractor fails to submit an acceptable QC plan within the time herein prescribed, the Engineer may refuse to allow construction to start if an acceptable interim plan is not furnished.
3. **Submittals**
The review of submittals and approval thereof by the City does not relieve the Contractor from compliance with the requirements and intentions of the Drawings and Specifications to which the submittals pertain.

Material List: An itemized list of material and equipment, which the Contractor proposes to use, shall be submitted



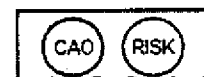
to the City during the pre-construction meeting.

Submittal Format:

- A. Contractor shall submit 6 (six) individually bound copies of all submittals and submittal revisions to the City.
- B. Contractor is not guaranteed a review period time. However, if the contractor needs a fast turnaround time, the Contractor must indicate which submitted items have critical lead time issues on a memo attached to the submittal.
- C. Place orders for all equipment in time to prevent any delay in construction schedule or completion of project. If any materials or equipment are not ordered in time, additional charges made by equipment manufacturers to complete their equipment in time to meet construction schedule, together with any special handling charges shall be borne by the Contractor.
- D. All submittals shall have a cover sheet containing:
 - Date
 - Project Name
 - Job Number
 - Submittal number and submittal revision number
 - All Contractors and Pertinent Subcontractors contact information
- E. All submittals shall contain a table of contents page(s) immediately following the cover sheet.
- F. Each submitted item shall refer to the Specification Section and paragraph in which the item is specified.
- G. All submittal items shall be divided as stated in the table of contents using labeled dividers with tabs matching the Table of Contents section descriptor or corresponding number.

Submittal Content and Product Data:

- A. Submit all required Shop Drawings, Product data, etc. at one time.
 - B. Each item shall be identified by manufacturer, brand, and trade name; model number, size, rating, and whatever other data is necessary to properly identify and verify the materials and equipment. The words "As Specified" are not considered sufficient information.
 - C. The Contractor must review, approve and be familiar with the submittal prior to submitting.
 - D. Accessories, controls, finish, etc. not required to be submitted or identified with the submitted equipment shall be furnished and installed as specified.
 - E. Submittals shall be all inclusive with all items requiring submittals being submitted at the same time; individual submittals will not be accepted.
 - F. In the event that multiple products are described on one cut sheet, the contractor shall clearly highlight the pertinent information.
4. **Control of Materials, Tests, and Inspections.** As listed below, and noted elsewhere in the specifications but not limited to the following items, the Quality Control Plan will include the dates for the Contractor to furnish certificates for product, or product test compliance, shop drawings or catalog cuts and requests for inspection or review.
- a. **Tests and Inspections:**
 - Archeological Inspection during earthwork
 - Reinforcing bar placement
 - Ducting
 - Fire proofing/ fire caulking
 - Duct detector
 - Fire Dampers
 - AC Unit Installation
 - AC Unit Controls and Scheduling
 - b. **Materials and Materials Certification:**
 - Reinforcing Bar
 - PVC pipe
 - Rigid duct



Flex duct
Registers
Balancing valves
Thermostat
Fan
Relief damper
AC unit

c. Daily Reports

The Contractor shall provide copies of daily reports which describe the work performed, weather conditions, personnel and equipment on site, and quality control activities performed.

The Contractor will not be paid for work prior to Engineer reviewing and approving daily reports for the period of time payment is requested.

5. Acceptance of Plan. Acceptance of the Contractor's plan is required prior to the start of construction. Acceptance is conditional and will be predicated on satisfactory performance during the construction. The Engineer reserves the right to require the Contractor to make changes in the CQC plan and operations as necessary to obtain the quality specified.
6. Notification of Changes. After acceptance of the QC plan, the Contractor shall notify the Engineer in writing of any proposed change. Proposed changes are subject to acceptance by the Engineer.
7. Testing and Certification. The Contractor shall pay for all tests and inspections as required by the Plans and Specifications. The Contractor shall furnish certification of materials being used, upon request of the Engineer, without additional charge.

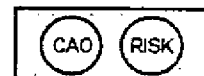
GUARANTEE

Materials and labor guarantees shall be per Part III of these specifications. All warranty shall be to the satisfaction of the City. Final payment will not be released without submission of warranties. Any materials installed in Army Buildings (with City of Monterey approval) shall issue warranty (if exists) to the United States Army prior to formal acceptance of work, and deliver to the City of Monterey, Capital Projects Division Office.

REGULATIONS

The Contractor and all subcontractors shall give all notices and comply with all laws, ordinances, rules, and regulations applicable to the work, safety and hiring/employment practices. Nothing in the Plans and Specifications shall be construed to permit work not conforming to the regulations and codes set forth herein which include, but are not limited to the following:

1. Unified Facilities Criteria,
2. Cal Trans Standard Plans and Specifications,
3. Americans with Disabilities Act (ADA) Accessibility And Employment Standards. In the event of conflicting federal and state standards, the standard that provides greater access will take precedence.
4. Monterey City Code, as amended,
5. California Building Code, latest edition as adopted by the City of Monterey (2013 Edition),
6. California Mechanical Code, latest edition as adopted by the City of Monterey (2013 Edition),
7. California Electrical Code, latest edition as adopted by the City of Monterey (2013 Edition),



8. California Plumbing Code, latest edition as adopted by the City of Monterey (2013 Edition),
9. California Occupational Safety and Health Administrative Code, latest edition,
10. California Government Code Section 4216, Protection of Underground Infrastructure,
11. ASHRE standards, latest edition,
12. SMACMA standards, latest edition,
13. National Fire Protection Associations NFPA 1 Fire Code, latest edition,
14. The California Labor Code.

PUBLIC SAFETY AND PROTECTION OF THE WORK

The Contractor shall furnish, erect and maintain such fences, barricades, guards, lights and other devices as are necessary to prevent accidents and avoid damage to the construction work or injury to the public. No separate payment shall be made for such work. If in the opinion of the Engineer, adequate barricades or warning devices are not maintained by the Contractor, the City may furnish and erect same and charge the Contractor therefore. Attention is directed to Sections 7-1.03 "Public Convenience" and 7-1.04, "Public Safety", of the Standard Specifications published by the State of California Department of Transportation.

INDEMNIFICATION AND HOLD HARMLESS

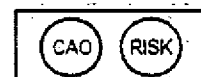
To the fullest extent permitted by law, Contractor agrees to indemnify, investigate, defend (at Contractor's sole cost and expense and with legal counsel reasonably approved by City), protect and hold harmless, the City of Monterey, its officials, officers, employees, agents, and representatives from and against any and all claims (including, without limitation, claims for bodily injury or death (including but not limited to Contractor, persons employed by Contractor, persons acting on behalf of Contractor, and third parties) or damage to property), demands, obligations, losses, damages, actions, causes of action, suits, judgments, fines, penalties, liabilities, defense costs, and expenses (including, without limitation, reasonable attorneys' fees, disbursements, and court costs, and all other professional, expert, or Contractors' fees and costs) of every kind or nature arising out of or in connection with or relating to any work or activities of Contractor (or Contractor's contractors or subcontractors, if any) conducted under this Agreement or arising out of the failure on Contractor's part to perform their obligations under this agreement. Except as provided by law, the indemnification provisions stated above shall apply regardless of the existence or degree of fault of the City, except for those claims which arise out of the active negligence, sole negligence, or willful misconduct of the City of Monterey.

Notwithstanding the provisions of the above paragraph, Contractor agrees to assume all risk and to indemnify and hold harmless the City from and against any and all claims, demands, defense costs, liability, expense, or damages of any kind or nature arising out of or in connection with damage to or loss of any property belonging to Contractor or Contractor's employees, contractors, representatives, patrons, guests, or invitees.

Contractor further agrees to indemnify City for damage to or loss of City property arising out of or in connection with Contractor's work associated with this Agreement or arising out of any act or omission of Contractor or any of Contractor's employees, agents, contractors, representatives, patrons, guests, or invitees; excepting such damage or loss arising out of the negligence of the City.

INSURANCE

Contractor shall procure and maintain, at its own cost, in effect throughout the term of the Agreement, insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the work hereunder by Contractor, his agents, representatives, employees, or subcontractors.



MINIMUM SCOPE AND LIMITS OF INSURANCE

1. Commercial General Liability ("CGL") Insurance Services Office ("ISO") Form CG 00 01 covering CGL on an "occurrence" basis, including products and completed operations, property damage, bodily injury and personal and advertising injury with limits no less than \$2,000,000 per occurrence. If a general aggregate limit applies, either the general aggregate limit shall apply separately to this project/location or the general aggregate limit shall be twice the required occurrence limit.
2. Automobile Liability ISO Form Number CA 0001 covering Code 1 (any auto), with limits no less than \$2,000,000 per incident for bodily injury and property damage.
3. Workers' Compensation insurance as required by the State of California, with Statutory Limits, and Employers' Liability insurance with a limit of no less than \$1,000,000 per accident for bodily injury or disease.
4. Builder's Risk (Course of Construction) insurance utilizing an "All Risk" (Special Perils) coverage form, with limits equal to the completed value of the project and no coinsurance penalty provisions.
5. Contractor's Pollution Legal Liability ("PLL") and/or Asbestos Legal Liability and/or Errors and Omissions (if project involves environmental hazards) with limits no less than \$1,000,000 per occurrence or claim, and \$2,000,000 policy aggregate. Such coverage shall include coverage for transport of hazardous materials if transport of hazardous materials services are being provided as a part of the Agreement. The policy will not include lead-based paint or asbestos exclusions when performing lead-based paint or asbestos related identification, removal and/or remediation. The policy will not include mold exclusions when performing mold related identification, removal and/or remediation. The definition of mold shall include microbial matter, including mold.

If the PLL policy is written on a claims-made basis, Contractor will maintain tail coverage providing the City with additional covered part status for five (5) years after the contract period. Insurance must be maintained and evidence of insurance must be provided for at least five (5) years after termination/expiration of the Agreement or any amendments thereto. If coverage is canceled or non-renewed, and not replaced with another claims-made policy form with a retroactive date prior to the Agreement's effective date, the Contractor must purchase an extended period coverage for a minimum of five (5) years after termination/expiration of the Agreement.

If Contractor maintains higher limits than the minimums shown above, the City of Monterey requires and shall be entitled to coverage for the higher limits maintained by the Contractor. Any available insurance proceeds in excess of the specified minimum limits of insurance and coverage shall be available to the City of Monterey.

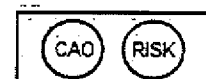
Deductibles and Self-Insured Retentions

Any deductibles or self-insured retentions must be declared to and approved by the City of Monterey. At the option of the City, either: the Contractor shall cause the insurer to reduce or eliminate such deductibles or self-insured retentions as respects the City, its officers, officials, employees, and volunteers; or the Contractor shall provide a financial guarantee satisfactory to the City guaranteeing payment of losses and related investigations, claim administration, and defense expenses.

OTHER INSURANCE PROVISIONS

The insurance policies are to contain, or be endorsed to contain, the following provisions:

1. **The City of Monterey, its officers, officials, employees, and volunteers are to be covered as additional insureds** on the CGL policy with respect to liability arising out of work or operations performed by or on behalf of the Contractor including materials, parts, or equipment furnished in connection with such work or operations and automobiles owned, leased, hired, or borrowed by or on behalf of the Contractor. General liability coverage can be provided in the form of an endorsement to the Contractor's insurance (at least as broad as ISO Form CG 20 10, CG 11 85 or both CG 20 10 and CG 20 37 forms if later revisions used).



2. For any claims related to this project, the **Contractor's insurance coverage shall be primary insurance** as respects the City of Monterey, its officers, officials, employees, and volunteers. Any insurance or self-insurance maintained by the City of Monterey, its officers, officials, employees, or volunteers shall be excess of the Contractor's insurance and shall not contribute with it.
3. Each insurance policy required by this clause shall provide that coverage shall not be canceled, except with notice to the City of Monterey.

Builder's Risk (Course of Construction) Insurance

Contractor may submit evidence of Builder's Risk insurance in the form of Course of Construction coverage. Such coverage shall name the City of Monterey as a loss payee as its interest may appear.

If the project does not involve new or major reconstruction, at the option of the City of Monterey, an Installation Floater may be acceptable. For such projects, a Property Installation Floater shall be obtained that provides for the improvement, remodel, modification, alteration, conversion or adjustment to existing buildings, structures, processes, machinery and equipment. The Property Installation Floater shall provide property damage coverage for any building, structure, machinery or equipment damaged, impaired, broken, or destroyed during the performance of the Work, including during transit, installation, and testing at the City of Monterey's site.

Claims Made Policies

If any coverage required is written on a claims-made coverage form:

1. The retroactive date must be shown, and this date must be before the execution date of the contract or the beginning of contract work.
2. Insurance must be maintained and evidence of insurance must be provided for at least five (5) years after completion of contract work.
3. If coverage is canceled or non-renewed, and not replaced with another claims-made policy form with a retroactive date prior to the contract effective, or start of work date, the Contractor must purchase extended reporting period coverage for a minimum of five (5) years after completion of contract work.
4. A copy of the claims reporting requirements must be submitted to the City of Monterey for review.
5. If the services involve lead-based paint or asbestos identification/remediation, the Contractor's PLL policy shall not contain lead-based paint or asbestos exclusions. If the services involve mold identification/remediation, the Contractor's PLL policy shall not contain a mold exclusion, and the definition of Pollution shall include microbial matter, including mold.

Acceptability of Insurers

Insurance is to be placed with insurers with a current A.M. Best rating of no less than A: VII, unless otherwise acceptable to the City of Monterey. Exception may be made for the State Compensation Insurance Fund when not specifically rated.

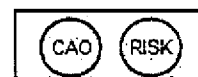
Waiver of Subrogation

Contractor hereby agrees to waive rights of subrogation which any insurer of Contractor may acquire from Contractor by virtue of the payment of any loss. Contractor agrees to obtain any endorsement that may be necessary to affect this waiver of subrogation. **The Workers' Compensation policy shall be endorsed with a waiver of subrogation** in favor of the City of Monterey for all work performed by the Contractor, its employees, agents and subcontractors.

Subcontractors

PERFORM MECHANICAL REPAIRS AND UPGRADES TO HVAC SYSTEMS
AND ASSOCIATED COMPONENTS: B343 PROJECT (DPW-14021E)

Agreement #: Ag-5112 - Page 46 of 237



Contractor shall either (1) insure the activities of its subcontractors in its policies; or (2) require and verify that each of its subcontractors procure and maintain insurance meeting all the requirements stated herein, with Contractor ensuring that City of Monterey is an additional insured on insurance required from subcontractors. For CGL coverage subcontractors shall provide coverage with a format least as broad as CG 20 38 04 13.

Special Risks or Circumstances

City of Monterey reserves the right to modify these requirements, including limits, based on the nature of the risk, prior experience, insurer, coverage, or other circumstances.

Verification of Coverage

Contractor shall furnish the City of Monterey with certificates of insurance and amendatory endorsements, or copies of the applicable insurance language, effecting coverage required by this contract. All certificates and endorsements are to be received and approved by the City of Monterey before work commences. However, failure to obtain the required documents prior to the work beginning shall not waive the Contractor's obligation to provide them. City of Monterey reserves the right to require complete, certified copies of all required insurance policies, including endorsements, required by these specifications, at any time.

Neither the insurance requirements hereunder, nor acceptance or approval of Contractor's insurance, nor whether any claims are covered under any insurance, shall in any way modify or change Contractor's obligations under the indemnification clause in the Agreement, which shall continue in full force and effect. Notwithstanding the insurance requirements contained herein, Contractor is financially liable for its indemnification obligations under the Agreement.

PRE-CONSTRUCTION CONFERENCE

Prior to the beginning of any work on this project, a pre-construction conference shall be held at the City's Capital Projects Division Office, 353 Camino El Estero, Monterey, CA 93940. The date and time of this conference shall be established by the Contractor contacting that office at 831-646-3997 not less than forty-eight (48) hours in advance of the meeting date and time.

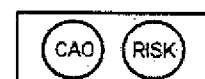
An itemized list of materials and equipment the Contractor proposes to use on the project shall be submitted to the City prior to or during the preconstruction conference.

A preliminary project timeline shall be submitted to the City prior to or during the preconstruction conference.

LIQUIDATED DAMAGES

Unless stated otherwise in the Specifications, it is agreed by the parties to the contract that in case all the work called for under the contract is not completed before or upon the expiration or the time limit as set forth in these specifications, damage will be sustained by the City of Monterey and that it is and will be difficult or impossible to ascertain and determine the actual damage which the City will sustain in the event of and by reason of such delay; and it is therefore agreed that the Contractor will pay to the City of Monterey the sum of **\$1,200 (One Thousand Two Hundred)** per day for each and every day's delay beyond the time prescribed to complete the work or the actual damages ascertained, whichever will be greater; and the Contractor agrees to pay such liquidated damages as herein provided; and in case the same are not paid, agrees that the City of Monterey may deduct the amount thereof from any money due or that may become due the Contractor under the contract.

It is further agreed that, in case the work called for under the contract is not finished and completed in all parts and requirements within the time specified, the City shall have the right to extend the time for completion of the contract or not, as may seem best to serve the interest of the City; and if it decides to extend the time limit for the completion of the contract, it shall further have the right to charge to the Contractor, his heirs, assigns or sureties, and to deduct from the final payment of the work, all or any part, as it may deem proper, of the actual cost of engineering, inspection, superintendence and other overhead expenses during the period of such extension, except that the cost of final measurements and preparation of final estimate shall not be included in such charges.



The contractor shall not be assessed with liquidated damages nor the cost of engineering and inspection during any delay in the completion of the work caused by Acts of God or of the public enemy, fire, floods, epidemics, quarantine restrictions, strikes, freight embargoes and unusually severe weather or delays of subcontractors due to such causes; provided that the Contractor shall within ten (10) days from the beginning of any such delay notify the Engineer in writing of the causes of delay, who shall ascertain the facts and the extent of delay, and his findings of the facts thereon shall be final and conclusive. "Unusually severe weather" means that which is considered outside the normal average for the Monterey area as determined by historical weather records. The Contractor will not receive a time extension for normal or below normal precipitation.

CONSTRUCTION PROCEDURE

An outline of the proposed construction procedure shall be submitted by the Contractor to the Engineer for review and shall obtain his approval before beginning work. The Engineer will be especially interested in:

1. Develop work schedule to be submitted no less than two weeks before any work is planned to occur, and that is subject to change by the Engineer. The schedule shall include the following work items:

WORK TO PREPARE SITE FOR THE (N) AC-1 ARRIVAL

a. Install temporary cooling equipment.

b. Remove the (E) AHU-1.

- i. Recover all refrigerants without release to the atmosphere prior to AHU removal, and dispose of in accordance with the Clean Air Act Amendment of 1990
- ii. A/C compressors containing oil-refrigerant mixture shall be disposed of by a licensed hazardous material hauler with manifest signed by DPW.
- iii. Remove (E) AHU-1 without disruption/interference to overhead electrical lines and in accordance with OSHA safety requirements. Remove (E) exterior ductwork from the connection in the building. Keep existing connections (electrical, conduit) to be salvaged as necessary in preparation for (N) AC-1. Recycle or dispose of the (E) AHU-1 per the approved Environmental Protection Plan.

c. Expand the Concrete Equipment Pad.

- i. Cut the (E) curb.
- ii. Excavate the portion of grass landscape indicated in the Plans.
- iii. Cut and insert dowels into (E) concrete slab. Pour (N) 4" thick concrete slab adjacent to the (E) slab, as indicated in the Plans.

d. Install (N) AC-1

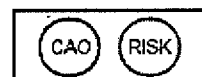
- i. Install the (N) unit on the expanded platform. The unit shall be mounted using bolts and per the new unit manufacturer's instructions.
- ii. Install all (N) ductwork from the unit to the building. Screw and seal in the exterior ductwork to the existing rigid ductwork outside the building for an air and water tight connection.
- iii. Make all electrical, and controls connections.

e. Install or rework interior duct work.

- i. Perform interior ductwork associated with installing registers with balancing valves and minor relocation of registers as shown in the base bid
- ii. Perform duct improvements in association with Additive Alternate # 1 or Additive Alternate #2
- iii. Balance the interior space

f. Install chain link fence with redwood slats.

2. Minimizing any interruption to building operations and parking lots. Contractor shall notify the Engineer a minimum of one week in advance of any interruptions to building operations and parking lots.



3. Minimizing any hazard to the general public.
4. Proper handling of hazardous materials.
5. There shall be no work on weekends, City's recognized holidays, and between 7:00 P.M. and 8:00 A.M. on weekdays without written approval from the City. A list of City's recognized holidays is available upon request.
6. Contractor shall notify the Engineer a minimum of twenty-four (24) hours in advance of concrete placement for checking and acceptance of forms by the Engineer prior to concrete placement. Mitigation of concrete placement done without acceptance of forms by the Engineer prior to concrete placement shall be the sole responsibility of the Contractor. The costs of such mitigation shall be borne by the Contractor.

Traffic control requirements cited elsewhere in these Specifications must be considered in the construction procedure submitted to the Engineer.

TRAFFIC CONTROL

Pursuant to the authority contained in Vehicle Code Section 591, the City has determined that within those areas that are within the limits of the project and are open to traffic, the Contractor shall comply with all the requirements set forth in Divisions 11, 12, 13, 14 and 15 of the Vehicle Code. In accordance with the statement in Vehicle Code Section 591, this section shall not relieve the Contractor or any person from the duty of exercising due care. The Contractor shall take all necessary precautions for safe operation of the Contractor's equipment and the protection of the public from injury and damage from the Contractor's equipment.

Traffic control shall conform to the provisions of Section 12, "Temporary Traffic Control " of the Standard Specifications and the California Manual on Uniform Traffic Control Devices (CA MUTCD) as adopted by Caltrans .

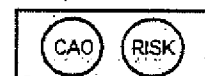
A Traffic Control Plan (TCP) shall be submitted to the Engineer for approval prior to construction. Contractor shall notify all emergency services, affected residences, affected businesses, and the Capital Projects Division Office (831.646.3997) forty-eight (48) hours in advance as to proposed closures and alternate routes available.

The following shall be incorporated into the Traffic Control Plan:

1. Two (2) travel lanes shall be open during non-working hours.
2. At least one (1) travel lane shall remain open during working hours. Flag persons or other appropriate traffic control devices as approved by the Engineer shall be used during periods of one-way travel.
3. Access to driveways shall be left open unless work is actually being performed in areas fronting the driveway. All driveways shall be accessible during non-working hours. See Construction Procedure elsewhere in these specifications.
4. No trench shall be left open during non-working hours.
5. Parking restrictions will be acceptable when and where needed. (All require prior approval of the Engineer).

The following requirements apply to Traffic Control Plans:

1. All Traffic Control Plans shall follow the CA MUTCD Chapter 6. Examples may be found at: <http://www.dot.ca.gov/hq/traffops/engineering/mutcd/pdf/camutcd2014/Part6.pdf>
2. The contractor shall submit a TCP using legible lettering. Show location and dimensions of the work zone, lanes, tapers, parking and any staging areas.
3. Label streets and proposed traffic control area. Show all nearby streets with street names to assure proper orientation.



4. Show all affected sidewalks, crosswalks, bike lanes, driveways and intersections in the construction work zone including areas affected by taper transition.
5. If a sidewalk or path is obstructed, then submit an ADA compliant pedestrian detour plan in accordance with the CA MUTCD chapter 6D and the Public Rights-of-Way Accessibility Guidelines (PROWAG). Please refer to: <http://dot.ca.gov/hq/traffops/engineering/control-devices/pdf/PedBrochure.pdf>
6. Label all taper lengths and widths, delineator spacing and sign spacing. Indicate location of construction signs, barricades and delineators. Please see Traffic Control Binder for calculation of tapers.
 - a. L – lane closure (merging traffic),
 - b. L/2 – shift (traffic does not merge, only shifts),
 - c. L/3 – work in shoulder or parking (not in traffic lane).
7. Show all parking restriction zones and signs, as appropriate. Telephone the Parking Division Office (831.646.3953) if restricting parking in time-limit or metered zones. Temporary "NO PARKING" signs shall be posted seventy-two (72) hours prior to commencing work.
8. Indicate on the TCP the duration of the construction work, including dates and times.
9. Indicate on the TCP the Contractor's name, address and telephone number. Include the Contractor's during and after hours Representative's contact information (name, telephone number).
10. It is the Contractor's responsibility to assure that all Traffic Control Plans (TCP) and traffic control devices are in compliance with the CA MUTCD as adopted by Caltrans.

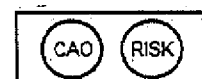
Traffic Control Plans shall contain the following notes:

1. Minimum width of temporary traffic lanes is ten (10) feet clear (from delineator or cone base, not center).
2. The City Traffic Engineer or his representative has the authority to make any field changes to assure public safety.
3. All traffic control devices shall be removed from view when not in use. Signs shall not be facing traffic when not in use.
4. Spacing of channelizing devices shall not exceed twenty-five (25) feet.
5. Any road closure also requires notification be provided to the City of Monterey Fire Department and Police Department. Notifications may be made at the non-emergency telephone number, 831.646.3914.
6. All temporary traffic delineation (delineators and cones) used shall be a minimum of twenty-four (24) inches tall. Retroreflective bands are required for night time traffic.
7. Any work that disturbs normal traffic signal operations shall be coordinated with the Signal Traffic Technician.
8. The Contractor is responsible for restoring the road back to satisfactory condition including, but not limited to, paving, striping, markings, signs and traffic signal loop detectors within five (5) calendar days of completion of work at affected intersections or road segments.
9. Any work that created an undue safety risk or creates severe congestion may be shut down by the City Traffic Engineer, his representative, Field Inspector or Police Department personnel.

The Contractor is to notify residences and/or businesses twenty-four (24) hours in advance of closing access to any driveways or providing any detours or changes in on-street parking. Notifications shall be in writing.

**PERFORM MECHANICAL REPAIRS AND UPGRADES TO HVAC SYSTEMS
AND ASSOCIATED COMPONENTS: B343 PROJECT (DPW-14021E)**

Agreement #: Ag-5112 - Page 50 of 237



Contractor shall provide all labor and facilities required for safe and expeditious handling of traffic during the course of construction. Contractor shall provide all flaggers, signs, delineators, and barricades required for traffic control and shall modify or remove same at appropriate times. The Engineer shall be the sole judge as to the adequacy of the Contractor's traffic control measures. If such measures are found to be inadequate by the Engineer, the City may furnish and install same and charge the Contractor therefor.

The Contractor shall, at his own expense, construct and maintain in good condition, such detours, detour bridges and temporary crossings for use by the public as deemed necessary or expedient by the Engineer for the proper execution of the work.

The Contractor shall designate a representative who can be reached immediately (24 hours per day) in the event of traffic control device failures.

REMOVAL OF OBSTRUCTIONS

The Contractor shall remove and dispose of all structures, debris or other obstructions of any character to the construction called for in the plans, specifications, and as required by the Engineer.

If archeological items or hazardous wastes are discovered during construction operations, the Contractor shall cease operations in those areas and the Contractor shall immediately notify the Engineer.

The Contractor shall remove and dispose of all trees designated for removal as shown on the plans, designated by the specifications and as required by the Engineer for the proper completion of the work. See Tree Protection Requirements elsewhere in these Specifications.

UNDERGROUND UTILITIES

Contractor shall locate all underground obstructions and utilities, (electric, gas, water lines, etc). Prior to any trenching operation, Contractor shall pothole underground obstructions and utilities that appear to be in conflict with the new construction. The Plans show the approximate location of underground facilities in the project area as they have been provided to the City. Repair of damage to any utility line shown on the Plans with reasonable accuracy shall be made at the Contractor's expense. However, the City shall fairly compensate the Contractor for costs of locating and repairing damage not due to failure of the Contractor to exercise reasonable care, and removing or relocating such facilities not indicated or in a location different from that indicated on the Plans and Specifications with reasonable accuracy, and for equipment on the project necessarily idled during such work. Contractor shall not be assessed liquidated damages for delay in completion of the project when such delay was caused by the failure of the City or utility company to provide for removal or relocation of such utility facilities. Contractor shall notify all utility companies of trenching operations forty-eight (48) hours in advance to enable the utility companies to take any action they deem appropriate.

UTILITY COMPANY COORDINATION

Contractor shall coordinate construction activities with the utility companies as required and shall adjust the construction schedule to accommodate utility relocation as necessary.

CONTRACT PLANS AND SPECIFICATIONS

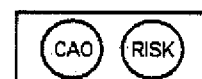
The Contractor will be supplied with five sets of plans and specifications at no expense. One of these sets of plans is to be used for the purpose of recording record (as-built) conditions. Additional sets will be furnished on request at the cost of reproduction. The work shall conform to the contract plans and specifications, all of which form a part of the contract documents and are available in the office of the City Engineer, City Hall, Monterey, California.

DUST CONTROL

The Contractor shall minimize dust generation from the jobsite and shall spray the site with water or dust palliative as

**PERFORM MECHANICAL REPAIRS AND UPGRADES TO HVAC SYSTEMS
AND ASSOCIATED COMPONENTS: B343 PROJECT (DPW-14021E)**

Agreement #: Ag-5112 - Page 51 of 237



required, in accordance with Section 14-9, "Air Quality", of the Standard Specifications.

CONNECTION TO EXISTING UTILITIES

The City shall permit the Contractor to use available existing utilities at the City's expense, excluding telephone; however, if the Contractor chooses to make use of said utilities, Contractor shall assume full responsibility for any changes made by Contractor related thereto, and for any consequences caused thereby. Upon completion of the work, Contractor shall remove any modifications to existing utilities made by Contractor, and shall restore existing utilities to conditions existing at time of award.

SANITARY FACILITIES

Contractor may provide his/her own portable sanitary facilities on-site, for the duration of the work. Coordinate location(s) with the Engineer. Existing City-owned sanitary facilities may be used.

INSPECTION OF WORK

It is the responsibility of the contractor to call for all required inspections within the required time lines. The City of Monterey reserves the right to perform random inspections at any time.

The Engineer shall at all times have access to the work during construction, and shall be furnished with every reasonable facility for ascertaining full knowledge respecting the progress, workmanship and character of materials used and employed in the work.

Whenever the work provided and contemplated by the contract shall have been satisfactorily completed and the final cleanup performed, the Engineer will make the final inspection.

RECORD DRAWINGS

A set of marked-up prints, clear, legible, and made with standard drafting tools and indicating all changes, added work, and deviations from the design and reflecting the record (As-Built) condition of the work must be received before the work is considered complete. Existing utilities exposed during construction are to be located, including invert or top elevation, and shown on the Record (As-Built) drawings.

The Record (As-Built) Drawings shall be completed for the Engineer's acceptance before final payment and Notice of Completion on this contract will be made.

MILITARY INSTALLATION SECURITY REQUIREMENTS AND POLICIES

Jobsite Security Requirements

Contractor shall comply with all installation security requirements. The Presidio of Monterey, SATCOM, DMDC Building and Camp Roberts have a strict Entrance Security System that requires random searches of all vehicles. Every effort will be made to provide timely access, but may not always be possible. Cost for any security delays shall be ancillary to the project and no additional compensation shall be approved.

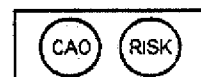
Vehicles

Contractor personnel utilizing Contractor-owned or privately owned vehicles on Military Installations shall possess a valid State driver's license, vehicle registration and proof of insurance. Contractor shall have clearly identified vehicles with the name of the Contractor prominently displayed on both sides of the vehicle while working on an installation. Contractor shall adhere to installation parking policy.

Access List and Other Personnel

Contractor shall submit a list of all personnel working on the project within seven (7) calendar days after notice that a

PERFORM MECHANICAL REPAIRS AND UPGRADES TO HVAC SYSTEMS AND ASSOCIATED COMPONENTS: B343 PROJECT (DPW-14021E)



contract has been awarded to him. Contractor shall submit a completed Application For Installation Access, POM Form 7 (see Appendices) to the City for processing. List all personnel for inclusion on the base access roster to permit extended access to the Military Installation (two or more days). An electronic version of POM Form 7 may be obtained from the City. Processing of the completed application generally takes approximately two weeks to complete. Personnel not included on the Access Roster (or without a DBIDS card) must follow daily gate access procedures, which can delay access onto the installation, especially during peak morning periods or if sponsors are not available for verification of access.

Contractor shall ensure that their employees shall observe and comply with the Army policies, regulations, and procedures concerning fire, safety, environmental protection, sanitation, security, traffic, park gratuities, flag courtesy, "off limits" areas, and possession of firearms or other lethal weapons. Contractor's personnel shall be legal residents or citizens of the United States and shall be able to clearly communicate in the English language. Contractor shall ensure the Contractor's personnel do not present an appearance, such as would embarrass the Command or residents of POM, and that their conduct shall not reflect discredit upon the installation or the Department of the Army. The Contractor shall remove from the job site any employee for reasons of misconduct or security. The removal of such a person shall not relieve the Contractor of the requirements to provide personnel to perform adequate and timely service. The Contractor shall not hire off-duty or former Government employees whose employment would result in a conflict with the Joint Ethics Regulations DOD 5500.7-R. Contractor shall notify City of Monterey of any changes on the working status of key personnel immediately in writing for review and approval.

Protection of Government Property

Government property grounds and facilities, if damaged or removed because of the Contractor's operations, shall be restored or replaced to same or better than the original condition and located in the same position and alignment as is reasonably possible.

Environmental Protection Plan (EPP) and Construction and Demolition (C&D) Debris Management Plan

Contractor shall review and complete the Environmental Protection Plan (EPP) and the Construction and Demolition Debris Waste Management Plan. The EPP and C&D shall be submitted to the Engineer fourteen (14) calendar days after notice that a contract has been awarded as part of the submittal. Final C&D with recycling and or disposal tags shall be submitted after completion of the project. EPP and C&D are as shown in Appendix D and E. Electronic copies of the forms are available upon request from the Engineer.

ENVIRONMENTAL/POLLUTION PREVENTION REQUIREMENTS

Contractor shall comply with all air pollution and environmental control rules, regulations, ordinances and statutes that apply to the project and any work performed pursuant to the contract. Additionally, City Code Chapter 31.5 Storm Water Management Section 31.5-12. Prohibition of Illegal Discharges, states,

"No person or entity shall discharge or cause to be discharged into the municipal Storm Drain System or waters of the state any materials, including but not limited to Pollutants or waters containing any Pollutants that cause or contribute to a violation of applicable water quality standards, other than storm water..."

Regardless of project size, the Contractor shall effectively implement and properly maintain storm water best management practices (BMPs) during construction to prevent discharges of pollutants, and including trash, to local drainages and waterways. Contractor shall comply with all water quality regulations in Monterey Municipal Code Chapter 31.5 Storm Water Management, and City Phase II Storm Water Permit requirements as prescribed by the State Water Resources Control Board (SWRCB) and Central Coast Regional Water Quality Control Board (RWQCB) regulations for the prevention of construction site discharges of pollutants, illicit discharges, and enforcement of prohibited and illicit discharges. The contractor shall employ at all times storm water runoff controls and BMPs at the site, including but not limited to erosion prevention, sediment controls, site stabilization, good housekeeping practices, proper materials storage and handling, and waste management. Storm water management and control practices shall result in the following outcomes on all construction sites, regardless of size:

- Protection of storm drain inlets and adjacent waterways must be implemented at all times to prevent illicit discharges of sediment, construction debris and fluids, and waste of any kind;

**PERFORM MECHANICAL REPAIRS AND UPGRADES TO HVAC SYSTEMS
AND ASSOCIATED COMPONENTS: B343 PROJECT (DPW-14021E)**

Agreement #: Ag-5112 - Page 53 of 237



- No release of hazardous substances, such as oils, paints, thinners, fuels, and other chemicals; if such a spill occurs that may threaten local water quality, contractor must call 911 immediately and notify City Public Works staff;
- Minimization of site disturbance shall be kept to that portion necessary for construction only.
- Soil stabilization of graded areas shall be in place where construction activities have temporarily and/or permanently ceased.
- No deposit of mud, soil, sediment, concrete washout, trash, dewatering, or other similar construction-related material or waste shall occur on or into public rights of way, private streets, or into the City's storm water system and related natural resources, either by direct deposit, dropping, discharge, erosion, or tracking by construction vehicles. Any such discharge shall be cleaned-up promptly if an immediate threat to water quality exists, or if not immediate, at the end of the current work shift or workday in which the deposit occurred, whichever comes first.
- No runoff from graded areas or stockpile areas shall contain sediments and/or pollutants. Stockpiles shall be adequately and securely covered to avoid contact with rainfall and wind to prevent soil and stockpile movement by water and/or wind.
- Runoff containing sediments shall be captured in secondary containment structures and either treated to remove sediments prior to discharge or infiltrated in the soil on-site.
- No exposure of graded areas and stockpile areas to storm water run-on shall occur. Run-on shall be controlled by diversion structures such as dikes, secondary containment, or stockpile covers.
- All hard-surfaced areas are to be swept regularly and free of dirt and construction debris such that the surface of the pavement is clearly visible at all locations.

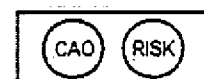
Best management practices (BMPs) are required to be employed on all construction sites as applicable to the construction activity and shall provide for, and not be limited to: inlet protections, perimeter protections, erosion prevention and soil control measures, soil stabilization measures, spill prevention and discharge control measures; solid waste containment; concrete waste management; proper vehicle and equipment cleaning, fueling, and maintenance; and proper materials management and storage. Detailed procedures to accomplish these protections can be found through the California Storm Water Quality Association's *Construction BMP Handbook Portal*, U.S. EPA *Construction BMP Database and Factsheets*, *Caltrans Storm Water Quality Manuals and Handbooks*, and the *Erosion and Sediment Control Field Manual* by San Francisco Bay Regional Water Quality Control Board. Referenced documents are available for viewing at the City of Monterey Public Works Office at City Hall.

Activities to be performed by Contractor include, but are not limited to:

- At all times, Contractor shall maintain the temporary and permanent vegetation (if any), erosion and sediment control measures, and other protective BMP measures in good and effective operating condition by performing routine inspections to determine condition and effectiveness of BMPs, restoration needs for destroyed vegetative cover, and by repair of erosion, sediment, and other protective measures.
- Contractor shall inspect the following areas at least once every seven (7) calendar days, unless otherwise necessary based on current conditions or as directed by City inspector, and always within 24 hours prior to and after any predicted storm:
 - Inlet protections and perimeter controls;
 - Vehicle entry and exist locations;
 - Vehicle parking and storage areas;
 - Disturbed areas of the construction site,
 - Areas that have not been finally stabilized,
 - Areas used for storage of materials that are exposed to wind or precipitation,
 - Equipment and staging areas that are exposed to wind or precipitation; and,
 - All waste storage and handling devices and areas.

**PERFORM MECHANICAL REPAIRS AND UPGRADES TO HVAC SYSTEMS
AND ASSOCIATED COMPONENTS: B343 PROJECT (DPW-14021E)**

Agreement #: Ag-5112 - Page 54 of 237



Where sites have been finally stabilized, such inspection shall be conducted at least once every month.

- Areas noted above shall be inspected for proper BMP implementation and necessary BMP maintenance, as well as evidence of, or the potential for:
 - Erosion, or
 - Sediments entering waterways or the drainage system, or
 - Pollutants entering waterways or the drainage system.

Erosion and sediment control measures shall be observed and maintained to ensure that they are operating correctly. Discharge locations or points shall be inspected regularly to ascertain whether erosion control measures are effective in preventing sedimentation and subsequent degradation of receiving water quality in violation of receiving water quality standards. Vehicle entry and exist locations shall be inspected for evidence of offsite sediment and pollutant tracking and need for cleanup.

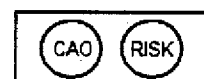
- Deficiencies observed during inspections shall be noted and rectified before the end of the workday.

Additionally, the Contractor shall comply with the State Water Resources Control Board's Construction General Permit (CGP), as applicable to the project. Projects subject to the CGP include those that disturb one or more acres of soil, are less than one acre and are part of a common plan of development or sale, or applicable Linear Underground/Overhead Projects, and are required to obtain coverage under the State's CGP for Discharges of Storm Water associated with Construction Activity Construction General Permit Order 2009-0009-DWQ, and subsequent amendments thereto. Construction activities subject to this permit include clearing, grading, and disturbances to the ground such as stockpiling, or excavation, but do not include regular maintenance activities performed to restore the original line, grade, or capacity of the facility. Application for CGP coverage is made by the Contractor through a Notice of Intent (NOI) to the SWRCB and involves much interaction with the applicable RWQCB as CGP regulator. The Contractor shall supply the City with NOI and Storm Water Pollution Prevention Plan (SWPPP) for review and records purposes.

CGP coverage requires the development and implementation of a SWPPP. The SWPPP contents are mandated by the SWRCB and are subject to change, and typically contain site map(s) which shows the construction site perimeter, existing and proposed buildings, lots, roadways, storm water collection and discharge points, general topography both before and after construction, and drainage patterns across the project. The SWPPP must illustrate the placement of BMPs for the construction project and list pollution prevention BMPs the discharger will use to protect storm water runoff. Additionally, applicable SWPPPs must contain a visual monitoring program and a chemical monitoring program for "non-visible" pollutants to be implemented. All SWPPPs must be developed by a Qualified SWPPP Developer (QSD) and implemented by a Qualified SWPPP Practitioner (QSP), and supplied to the City for review and comment. Additional CGP information can be found at the State Water Resources Control Board CGP website: http://www.waterboards.ca.gov/water_issues/programs/stormwater/constpermits.shtml

Construction site storm water management and control measures shall be implemented year-round regardless of "season". All construction site BMPs shall be implemented at the appropriate level for the construction activity at hand and in a proactive manner during all seasons while construction is ongoing.

In addition to inspections performed by the City, the City's Environmental Compliance Division representative may perform periodic site monitoring visits to ensure the contractor complies with the requirements specified herein. The City shall provide copies of the completed site monitoring reports to the Contractor. In the event work is found non-compliant, a follow up site monitoring visit will be conducted to ensure non-compliant items have been corrected to the satisfaction of the City. If non-compliant items are not properly addressed prior to the follow up site monitoring visit, the costs associated with additional follow up site monitoring visits shall be deducted from the Contractor's final payment.



**PERFORM MECHANICAL REPAIRS AND UPGRADES TO HVAC SYSTEMS AND ASSOCIATED COMPONENTS:
B343 PROJECT (DPW-14021E)**

TECHNICAL SPECIFICATIONS

All materials shall be as called out on the plans and listed below.

All brand name products may be substituted with an equal or better product approved by the Engineer.

AIR HANDLING UNIT

Sizing:

1. Cooling Load: The cooling capacity shall be 10 tons and shall be provided with a unit that contains dual compressors that allows for isolation and work on one single compressor while the other compressor remains operational.
2. Heating load: No heating load exists for switch building 344.
3. Air flow: Set up and balance the air handling economizer for minimum ventilation air to accommodate outside air rate of .06 CFM/SF and 5 CFM/PN served per ASHRAE 62.1 during occupied hours (0745 -1645 hrs M-F).

Type:

1. Model: Contractor shall install a single-zone blow-through air handling unit that includes high-low fan (modulating acceptable), coils, filters, access panels, vibration isolators, integrated economizer, and airtight insulated casing conforming to ASTM A167 and rated in accordance with AHRI 430 certified for cooling.
2. Refrigeration: No R-22 refrigerant or other Montreal Protocol phase-out material shall be permitted.
3. Redundancy: Provide partial cooling redundancy by specifying independently controlled cooling coils each designed to meet at least 85% of peak load.
4. Economizing: Provide air handling unit with corrosion-resistant motorized economizer dampers to facilitate staging from minimum ventilation air to 100% outdoor air economizing. Dampers must be accessible for scheduled maintenance.
5. Coil Protection: Provide factory-applied corrosion-resistant coating (i.e. ecoating) for all air handler condenser and evaporator coil surfaces to protect against coastal climate damage. Finish or coating system shall not reduce equipment performance rating. Provide factory-installed anti-short cycling protection for the AHU.
6. Efficiency: Provide air handling unit with EER of 11.7 (IEER of 11.8) or greater to meet federal requirements for purchasing of FEMP-designated equipment.

Sequence of Operation:

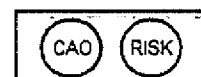
1. Scheduling: Air handling unit shall operate as necessary to maintain temperature set point for the 24/7-ran switch room.
2. Temperature Set Point: New thermostat shall be set to maintain no more than 72F at the .mil:server (critical load) inlet with a 2F differential. ASHRAE TC 9.9 2011 Thermal Guidelines for Data Processing Environments recommends as high as 89F for inlet enterprise IT equipment; however, slightly higher failure rates above 77F and technical literature from Dell and IBM on recommended data center operations suggests a more conservative set point.
3. Staging (recommended values):

Condition	Economizer	Fan Mode	A/C Compressor
SA* < 42 (DB)	0%	Off	Off
42F < SA* < 52F (DB)	min to 100% PI	Low	Off
SA* > 52F (DB)	100%	High	Off
SA* > 74F (DB)	100%	High	Cycle as necessary
OA > RA (DB)	min CFM	High	Cycle as necessary
SA* > 80F (DB)	any mode	High	Engage secondary

*SA refers to thermostat dry bulb temperature as measured at the wall on the inlet of the critical server including 2F differential

DUCTWORK:

Ductwork and galvanized steel sheet metal accessories shall comply with NFPA, SMACNA, NAIMA and ASHRAE



standards.

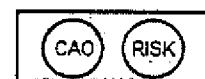
- A. Galvanized steel shall be manufactured in conformance with ASTM A123 / A123M – 09 and F1005 - 91(2007). Gauges of metal and selected reinforcement shall be in accordance with SMACNA for 2" W.C. positive or negative pressure for duct size shown on plans. The finished duct system shall meet the requirements of NFPA 90A and 90B
- B. Ductwork Joints
1. All round duct joint shall be slip lock or approved equal and shall be screwed together and coated with sealant to prevent air leaks.
 2. All saddle taps and or fittings shall be installed per the manufacturer's recommendations, and screwed and sealed with appropriate sealant to prevent air leaks.
 3. All potential points of leakage including but not limited to joints, longitudinal seams, piercings, fittings, and saddles shall be sealed with vinyl acetate water based duct sealer DDS-181 or EDS Duroseal manufactured by Duro Dyne Corporation or approved equal.
 4. All duct joints shall be thoroughly inspected for leaks prior to insulating by looking for light passing through. Any pinhole leaks shall be sealed from the inside with sikaflex®-201US polyurethane sealant or approved equal.
- C. Hangers & Supports
- Securely fasten all duct work to the building construction by means of hangers, supports, guides, anchors and sway braces to maintain duct alignment to prevent sagging and to prevent noise and excessive strain on ductwork due to movement.
1. Maximum spacing between hangers or supports shall not exceed eight (8) feet for rigid duct or five (5) ft for flex duct.
 2. Adequately mount and anchor all material and equipment as required. Include lateral bracing as required to prevent horizontal seismic movement. Refer to UBC Architectural drawings for seismic requirements.
 3. Do not support ductwork from other pieces of equipment.
 4. Unless otherwise noted, hangers and supports shall be 2" wide 20 galvanized strap.
 5. Hangers and supports shall conform to SMACNA sections "Hangers and Supports".
- D. Duct Takeoffs
- Duct takeoffs shall be pre-manufactured for the appropriate sized supply and return duct connection. Each takeoff shall have a scoop which inserts into the main trunk to divert air into our out of the branch line.
- E. Flexible Duct
- Flexible duct shall have galvanized steel balancing valves installed at takeoff. Flexible duct shall be supplied in 6' lengths with manufacturer installed metal collars on each end for a standard connection using screws and sealant. Flexible duct shall have an R value no less that 6 and shall have a minimum 2" of insulation all around conforming with ASTM C-518. Duct shall be coated with a tri-directional fiberglass scrim reinforced polyester outer jacket. The inner core of shall be air tight double laminated tough polyester encapsulating a steel wire helix. Duct shall be designed for a maximum positive pressure of 6"w.g. and a maximum negative pressure of ¾" w.g. The flexible duct shall be UL 181, NFPA 90A & 90B rated with a maximum flame spread rating of 25, and a maximum smoke development rating of 50.
- F. Ductwork Leak Test
- Perform ductwork leak test for the entire air distribution and exhaust system, including fans, coils, filters, etc. Test procedure, apparatus, and report shall conform to SMACNA Leakage Test Manual. The maximum allowable leakage rate shall be calculated by the Contractor using SMACNA standards. After calculating the expected leakage rate the Contractor shall submit for approval the calculations to the Engineer. After formal approval the duct leakage test shall be performed on site by the Contractor. If field results do not meet calculated values then the Contractor shall fix ductwork to meet the calculated result. The Engineer shall personally witness all tests. Ductwork leak test shall be completed with satisfactory results prior to applying insulation to ductwork exterior.

DUCT SMOKE DETECTOR:

A duct smoke detector shall be installed in the supply duct immediately after AHU1 and shall be interlocked with the

**PERFORM MECHANICAL REPAIRS AND UPGRADES TO HVAC SYSTEMS
AND ASSOCIATED COMPONENTS: B343 PROJECT (DPW-14021E)**

Agreement #: Ag-5112 - Page 57 of 237



building's fire alarm system. In addition, the duct smoke detector shall be interlocked with the new AHU1 and shall be able to shut down the unit when fire is sensed. The duct detector shall be compatible with the new AHU1 and the fire alarm system. The contractor shall provide all wiring for the duct detector, and test the shutdown relay. The duct fire detector shall be designed to be installed outdoors on the outside of the ducting.

DUCT FILTER:

In line duct air filters shall have a MERV 8 rating in accordance with ASHRAE 52.2 and be installed immediately before the return side of the furnace, and be designed for an air flow rate up to 500fpm. Filters shall be installed in manufacturer recommended external filter rack, supplied by manufacturer. Filter shall be full sized for largest furnace inlet available.

EXTERIOR DUCT INSULATION:

Fabrication and installation shall conform to manufacturer's recommendations and to the requirements of the latest edition of North American Insulation Manufacturers Association (NAIMA) Fibrous Glass Duct Liner Standards, hereinafter referred to as NAIMA FGDLS, and/or Sheet Metal and Air Conditioning Contractors National Association (SMACNA) Standard, HVAC Duct Construction Standards – Metal and Flexible, hereinafter referred to as SMACNA HVAC DCS. All portions of duct designated to receive duct liner shall be completely covered with duct liner.

- A. Duct liner insulation materials shall meet the requirements of the following:
American Society for Testing and Materials specifications:
- a. ASTM C 1071, Standard Specification for Thermal and Acoustical Insulation (Glass Fiber, Duct Lining Material).
 - b. ASTM G 21, Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi (fungi resistance section only).
 - c. ASTM G 22, Practice for Determining Resistance of Plastics to Bacteria (bacteria resistance section only).
 - B. Metal air duct systems shall be internally insulated with 1.5" thick faced fiberglass insulation. Fiberglass insulation shall be permanently fixed to the interior surface of the duct. Insulation shall have an R value of no less than 8.0, and shall be rated for air velocities of up to 6000ft/min.
 - C. Acceptable Manufactures: Owens/Corning Quiet R Textile Duct Liner, or equivalent from Johns-Manville Permacote® Linacoustic® R-300, Armstrong, Knauf.
 - D. Duct Liner shall be cut to assure overlapped and compressed longitudinal corner joints.
 - E. Duct Liner shall be cut to assure tight, over-lapped corner joints. The top pieces of liner board shall be supported at the edges by the side pieces.
 - F. Metal nosing shall be used any time an edge is exposed, or any time duct liner is preceded by unlined surface.
 - G. Duct liner shall be adhered to the sheet metal with 90% coverage of adhesive complying with requirements of ASTM C 916. All exposed leading edges and transverse joints shall be factory coated or coated with adhesive during fabrication.
 - H. Duct liner shall be additionally secured with mechanical fasteners, either weld-secured or impact-driven, which shall compress the duct liner sufficiently to hold it firmly in place. Adhesive bonded pins are not permitted due to long-term adhesive aging characteristics. Spacing of mechanical fasteners with respect to duct liner interior width shall be in accordance with SMACNA HVAC DCS. Maximum spacing for mechanical fasteners shall be as follows:

Velocity = 0 to 2,500 feet per minute (0 to 12.8 m/s):

From transverse end of liner 3" (75mm)

Across width of duct 12" (300mm) O.C.

From corners of duct 4" (100mm)

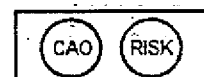
Along length of duct 18" (450mm) O.C.

INTERIOR DUCT INSULATION:

All supply and return ductwork for furnace AHU1 shall be insulated. Insulation shall be fiberglass blanket faced with a reinforced aluminum foil coated sheeting. Insulation shall have minimum R value of 6 (hr-ft²·°F)/Btu. Insulation shall fully cover all ductwork. All seams shall be stapled and reinforced with reinforced pressure sensitive tape designed for duct insulation. All seams shall be straight. Insulation shall fit snugly to duct with no folds or wrinkles. Insulation shall be cut to fit all corners neatly, and may be wrapped with overlapping sections at corners. Install insulation per manufacturer's recommendation. All interior duct insulation shall comply with ASTM C612 – Class II standards, SMACMA 1972 standards, the provisions of ASHRE 90.1, and ACCA Manual D.

DIFFUSERS:

SUPPLY: Supply diffuser shall be Titus model 300FS with an aluminum double deflection supply grill and optional



built in dampers or approved equal. The diffuser shall be designed for connection to a round flex duct and for a drop in T-bar ceiling. Diffusers shall be designed for minimum two way throw. Diffusers shall be aluminum and painted white.

RETURN: Return diffuser shall be Titus model 350FS with aluminum single blade damper and optional built in damper or approved equal. The diffuser shall be designed for connection to a round duct, and for drop in mounting with a T-bar ceiling.

THERMOSTAT/HUMIDISTAT:

Thermostats shall have a digital temperature setpoint display. The thermostat shall be non-programmable and shall remain locked with a code limiting users to a +/- 2F override functionality. The unit shall also display relative humidity and have manual on/off capability.

DRAIN PIPE:

Condensate drain pipe shall be installed per manufacturer recommendations. Drain piping shall be plastic Schedule 40 PVC ASTM D1785 or Schedule 40 CPVC ASTM F441/F441M piping, or type L copper. Drain pipe shall drain to the sewer. Drain pipe running across the open area of a floor shall be anchored and protected by way of a step, or ramp to prevent stepping on, tripping and crushing of pipe.

SEISMIC REQUIREMENTS:

1. All HVAC equipment and machinery shall be anchored to withstand forces generated by earthquake motions. As a minimum equipment and equipment frames shall be designed to withstand a force of 100% of the weight of the equipment and frame acting at its center of gravity. Anchorage of the equipment and/or frame to the structure shall be for the force of 4 times gravity also acting at the center of gravity.
2. Ductwork connections to equipment shall be seismically braced per SMACNA "Seismic Restraint Manual: Guidelines for Mechanical Systems." Contractor shall submit shop drawings with reference to SMACMA for all seismic restraints for the engineers' approval prior to installing.
3. The seismic calculations shall be the responsibility of the Contractor.

ELECTRICAL CONDUIT & SUPPORT:

All electrical work must comply with NECA 1, NECA 101, and NFPA 70 standards for installation requirements. All conduit and cable support devices such as steel hangers, clamps and fittings shall be designed for types and sizes of raceway, conduit or cable to be installed. Outdoor exposed conduit shall be EMT (Electrical Metal Tubing) all outdoor fittings shall be weather-tight and designed for outdoor applications, threaded joints must use cable connector joint compound for joints to lubricate and protect threaded raceway joints from corrosion and to enhance conductivity. All connections to vibrating equipment including pumps shall be made using LFMC (flexible steel conduit with PVC jacket) with liquid tight fittings. Rigid Steel Conduit, shall be used for in outdoor applications where conduit is subject to physical damage. Contractor must plan and demonstrate layout that is optimum and minimizes the likelihood of physical damage.

All wiring paths shall be discussed and coordinated with the engineer prior to installation. Indoor conduits shall be concealed in ceilings and walls. All demo and repair work required shall be included in this contract and shall match existing material, fit and finish. Where conduits pass from indoors to outdoors, penetrations shall be finished to match material, fit and finish of wall surface. For example, a stucco wall needs to be re-stuccoed and painted to match by Contractor at penetrations. All exposed conduits shall be painted to match the surface on which it is mounted. Contractor shall perform all required etching and preparation of surfaces for proper adhesion of paint. Exposed conduits shall be inconspicuously located to minimize the visual impact. Where possible, Contractor shall do the following: group utilities, or run utilities along building lies, corners, ceilings, or surface plane changes.

ELECTRICAL CONDUCTOR:

The Contractor shall furnish, install, and coordinate the interlock, power and control wiring as specified and/or required for a complete workable system.

Copper wire or cable shall be insulated for 600V unless otherwise required by applicable code or authority. All solid conductors shall comply with ASTM B3 standard, and all stranded conductors shall comply with ASTM B8. Install solid conductor for No. 8 AWG and smaller and stranded conductors for No. 6 AWG and larger. Conductors shall be single

PERFORM MECHANICAL REPAIRS AND UPGRADES TO HVAC SYSTEMS AND ASSOCIATED COMPONENTS: B343 PROJECT (DPW-14021E)



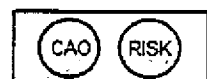
conductors if used in raceway. Use manufacturers approved pulling compound or lubricant where necessary. Do not exceed manufacturer's recommended maximum pulling tension and sidewall pressure values. Install conductors only after complete raceway installation. There shall be no more than the equivalent of three 90° bends in any conduit. Control wire for digital functions shall be 18AWG minimum with 600-volt insulation. Control wire for analog functions shall be 18awg minimum with 600-volt insulation, twisted and each pair shielded 2, 3, or 4 wire to match analog function hardware.

All low voltage conductors passing outdoor shall be installed in conduit. Low voltage conductor shall be in compliance with NEC section 300.22 (c) (1) WIRING METHODS and article 800 – COMMUNICATION CIRCUITS.

Conductors run through a plenum area must be plenum rated.



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CITY OF MONTEREY
DEPARTMENT OF PLANS AND PUBLIC WORKS

APPENDIX A
BID PROPOSAL COVER SHEET

FOR

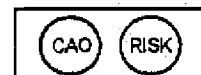
PERFORM MECHANICAL REPAIRS AND UPGRADES TO HVAC SYSTEMS AND ASSOCIATED COMPONENTS: B343 PROJECT (DPW-14021E)

Submit the following items unbound:

<u>ITEM</u>	<u>INCLUDED</u>
1. Bid Proposal Cover Sheet (this sheet)	_____
2. Proposal and Bid Schedule	_____
3. Declaration of Bidder	_____
4. Noncollusion Affidavit	_____
5. Debarment and Suspension Certification	_____
6. Bid Bond	_____

Failure to include items identified above may result in your bid being deemed non-responsive resulting in rejection of your bid.

By: _____
Company Name
Signature



BID PROPOSAL FORMS**PART II – PROPOSAL**

To the Honorable City Council
 City of Monterey
 City Hall
 Monterey, California

The undersigned declares to have carefully examined the location of the proposed work, that the Plans and Specifications as set forth herein have been examined, and hereby proposes to furnish all materials and equipment and do all the work required to complete the said work in accordance with said Plans and Specifications for the lump sums and unit prices set forth in the following schedule:

BID SCHEDULE

Item No.	Description	Approx. Quantity	Unit	Unit Price	Amount
Base Bid					
1	Mobilization and Demobilization	1	LS	\$	\$
2	Environmental Compliance	1	LS	\$	\$
3	Hazardous Material Abatement	1	LS	\$	\$
4	Install Temporary Cooling Equipment	1	LS	\$	\$
5	Remove and Recycle (E) AHU-1	1	LS	\$	\$
6	Expand the (E) Concrete Equipment Pad	1	LS	\$	\$
7	Install (N) AC-1	1	LS	\$	\$
8	Manufacture and Install (N) Exterior Ducting	1	LS	\$	\$
9	Replace, Relocate, and Install Interior Supply Ductwork and Diffusers	1	LS	\$	\$
10	Balance Supply/Return Dampers	1	LS	\$	\$
11	Record Drawings	1	LS	\$	\$
TOTAL BASE BID ITEMS (1-11)					(In Numbers):
(In Words): _____					\$ _____
Additive Alternate #1					
12	Connect and Install Rigid Return Duct in Attic	1	LS	\$	\$

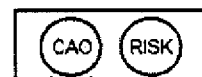
PERFORM MECHANICAL REPAIRS AND UPGRADES TO HVAC SYSTEMS
 AND ASSOCIATED COMPONENTS: B343 PROJECT (DPW-14021E)

Agreement #: Ag-5112 - Page 63 of 237



13	Connect, Adjust, and Install Return Flex Ductwork and Diffusers	1	LS	\$	\$
ADDITIVE ALTERNATE #1 BID ITEMS (12-13) :					(In Numbers):
(In Words): _____					\$ _____
Additive Alternate #2					
14	Reverse Supply and Return Ducting and Modify Interior Duct Work	1	LS	\$	\$
ADDITIVE ALTERNATE #2 BID ITEMS (14):					(In Numbers):
(In Words): _____					\$ _____
Additive Alternate #3					
15	Install Fence with Redwood Inserts	1	LS	\$	\$
ADDITIVE ALTERNATE #3 BID ITEMS (12-13) :					(In Numbers):
(In Words): _____					\$ _____
TOTAL BASE BID PLUS ADDITIVE BID ITEMS (1-15):					(In Numbers):
(In Words): _____					\$ _____

Award of contract, if any be made, shall be made to the Contractor with the lowest responsive responsible Total Base Bid plus Additive Bid Items (1-15).



DECLARATION OF BIDDER RE: LICENSE QUALIFICATIONS

Bidder certifies he/she posses a license in accordance with a State Act providing for the registration of Contractors.
License No.: _____, Class: _____, Expiration date: _____.

THE FOREGOING INFORMATION IS TRUE AND CORRECT AND IS EXECUTED UNDER PENALTY OR PERJURY IN

_____ COUNTY, CALIFORNIA, ON _____, 201_____.

Name of Firm: _____

Address: _____

Telephone: _____

Email: _____

(If firm is an individual, so state. If a firm or co-partnership, state the firm name and give the names of person authorized to execute the declaration on its behalf.)

FAILURE TO PROVIDE ANY OF THE INFORMATION REQUIRED HEREIN INCLUDING CONTRACTOR SIGNATURES MAY RESULT IN YOUR BID BEING DEEMED NON-RESPONSIVE

Signature Printed Name and Title

The Bidder shall list below any and all addenda issued for this project. Failure to list issued addenda will result in a non-responsive bid:

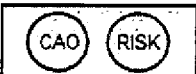
ADDENDA	DATE RECEIVED
1. _____	_____
2. _____	_____
3. _____	_____
4. _____	_____

The Bidder shall list below jobs of a similar nature completed by Bidder's organization within the past three (3) years:

Date Completed	Dollar Amount	Agency Name	Type Of Job	Project Location
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

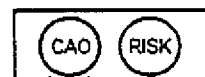
The Bidder shall list below the name, the location of the place of business, and the California contractor license number of any subcontractors proposed to perform work or labor or render service on this project, or a subcontractor licensed by the State of California who will specially fabricate and install a portion of the work or improvement according to detailed The

PERFORM MECHANICAL REPAIRS AND UPGRADES TO HVAC SYSTEMS AND ASSOCIATED COMPONENTS: B343 PROJECT (DPW-14021E)



Bidder shall list below the name, the location of the place of business, and the California contractor license number of any subcontractors proposed to perform work or labor or render service on this project, or a subcontractor licensed by the State of California who will specially fabricate and install a portion of the work or improvement according to detailed drawings contained in the plans and specifications of this project, whose work is in excess of one-half of 1 percent of the Bidder's total bid or, in the case of bids or offers for the construction of streets or highways, including bridges, in excess of one-half of 1 percent of the Bidder's total bid or ten thousand dollars (\$10,000), whichever is greater:

1	DBE (Y/N)	License No.	Subcontractor Name	Subcontractor Place of Business
	Item No.	Amount (\$) or % of Bid Item	Trade/Description of Work	
2	DBE (Y/N)	License No.	Subcontractor Name	Subcontractor Place of Business
	Item No.	Amount (\$) or % of Bid Item	Trade/Description of Work	
3	DBE (Y/N)	License No.	Subcontractor Name	Subcontractor Place of Business
	Item No.	Amount (\$) or % of Bid Item	Trade/Description of Work	
4	DBE (Y/N)	License No.	Subcontractor Name	Subcontractor Place of Business
	Item No.	Amount (\$) or % of Bid Item	Trade/Description of Work	
5	DBE (Y/N)	License No.	Subcontractor Name	Subcontractor Place of Business
	Item No.	Amount (\$) or % of Bid Item	Trade/Description of Work	
6	DBE (Y/N)	License No.	Subcontractor Name	Subcontractor Place of Business
	Item No.	Amount (\$) or % of Bid Item	Trade/Description of Work	
7	DBE (Y/N)	License No.	Subcontractor Name	Subcontractor Place of Business
	Item No.	Amount (\$) or % of Bid Item	Trade/Description of Work	



**NONCOLLUSION AFFIDAVIT
TO BE EXECUTED BY BIDDER, LEGALLY NOTARIZED AND SUBMITTED WITH BID**

State of California)
) ss.
County of _____)

_____, being first duly sworn, deposes and says that he or she is _____ of _____, the party making the foregoing bid; that the bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that the bid is genuine and not collusive or sham; that the Bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid, and has not directly or indirectly colluded, conspired, connived or agreed with any Bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the Bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the Bidder or any other Bidder, or to fix any overhead, profit, or cost element of the price bid, or of that of any other Bidder, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid are true; and, further, that the Bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid; and that the bid is not made in the interest of, or on behalf of, any member of the Monterey City Council or any City officer or employee.

Signed: _____

State of _____)
) ss.
County of _____)

On _____ before me, _____
Date Name and Title of the Officer

Notary Public, personally appeared _____
Name(s) of Signer(s)

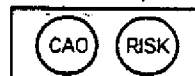
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the persons(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

(notary seal or stamp)

Notary's Signature



DEBARMENT AND SUSPENSION CERTIFICATION

The Bidder, under penalty of perjury, certifies that, except as noted below, he/she or any other person associated therewith in the capacity of owner, partner, director, officer, manager:

- Is not currently under suspension, debarment, voluntary exclusion, or determination of ineligibility by any state, federal, or local agency;
- Has not been suspended, debarred, voluntarily excluded or determined ineligible by any state, federal, or local agency within the past 3 years;
- Does not have a proposed debarment pending; and
- Has not be indicted, convicted, or had a civil judgment rendered against it by a court of competent jurisdiction in any matter involving fraud or official misconduct within the past 3 years.

If there are any exceptions to this certification, insert the exceptions in the following space.

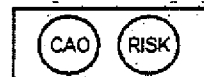
Exceptions will not necessarily result in denial of award, but will be considered in determining Bidder responsibility. For any exception noted above, indicate below to whom it applies, initiating agency, and dates of action.

Notes: Providing false information may result in criminal prosecution or administrative sanctions.

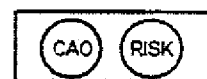
I declare under penalty of perjury that the foregoing is true and correct and that this certification is signed this _____ day of _____, 201__ in _____ County, California.

Signature

Printed Name and Title



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APPENDIX B**DAVIS-BACON ACT (July 2005)****(a) Definition.—“Site of the work”—****(1) Means—**

(i) *The primary site of the work.* The physical place or places where the construction called for in the contract will remain when work on it is completed; and

(ii) *The secondary site of the work, if any.* Any other site where a significant portion of the building or work is constructed, provided that such site is—

(A) Located in the United States; and

(B) Established specifically for the performance of the contract or project;

(2) Except as provided in paragraph (3) of this definition, includes any fabrication plants, mobile factories, batch plants, borrow pits, job headquarters, tool yards, etc., provided—

(i) They are dedicated exclusively, or nearly so, to performance of the contract or project; and

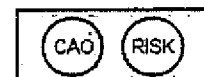
(ii) They are adjacent or virtually adjacent to the “primary site of the work” as defined in paragraph (a)(1)(i), or the “secondary site of the work” as defined in paragraph (a)(1)(ii) of this definition;

(3) Does not include permanent home offices, branch plant establishments, fabrication plants, or tool yards of a Contractor or subcontractor whose locations and continuance in operation are determined wholly without regard to a particular Federal contract or project. In addition, fabrication plants, batch plants, borrow pits, job headquarters, yards, etc., of a commercial or material supplier which are established by a supplier of materials for the project before opening of bids and not on the Project site, are not included in the “site of the work.” Such permanent, previously established facilities are not a part of the “site of the work” even if the operations for a period of time may be dedicated exclusively or nearly so, to the performance of a contract.

(b)(1) All laborers and mechanics employed or working upon the site of the work will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR part 3)), the full amount of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, or as may be incorporated for a secondary site of the work, regardless of any contractual relationship which may be alleged to exist between the Contractor and such laborers and mechanics. Any wage determination incorporated for a secondary site of the work shall be effective from the first day on which work under the contract was performed at that site and shall be incorporated without any adjustment in contract price or estimated cost. Laborers employed by the construction Contractor or construction subcontractor that are transporting portions of the building or work between the secondary site of the work and the primary site of the work shall be paid in accordance with the wage determination applicable to the primary site of the work.

(2) Contributions made or costs reasonably anticipated for bona fide fringe benefits under section 1(b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of paragraph (e) of this clause; also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the particular weekly period, are deemed to be constructively made or incurred during such period.

(3) Such laborers and mechanics shall be paid not less than the appropriate wage rate and fringe benefits in the wage determination for the classification of work actually performed, without regard to skill, except as provided in the clause entitled Apprentices and Trainees. Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein; provided that the employer’s payroll records accurately set forth the time spent in each classification in which work is



performed.

(4) The wage determination (including any additional classifications and wage rates conformed under paragraph (c) of this clause) and the Davis-Bacon poster (WH-1321) shall be posted at all times by the Contractor and its subcontractors at the primary site of the work and the secondary site of the work, if any, in a prominent and accessible place where it can be easily seen by the workers.

(c)(1) The City shall require that any class of laborers or mechanics which is not listed in the wage determination and which is to be employed under the contract shall be classified in conformance with the wage determination. The City shall approve an additional classification and wage rate and fringe benefits therefore only when all the following criteria have been met:

(i) The work to be performed by the classification requested is not performed by a classification in the wage determination.

(ii) The classification is utilized in the area by the construction industry.

(iii) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

(2) If the Contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the City agree on the classification and wage rate (including the amount designated for fringe benefits, where appropriate), a report of the action taken shall be sent by the City to the Administrator of the:

Wage and Hour Division
Employment Standards Administration
U.S. Department of Labor, Washington, DC
20210

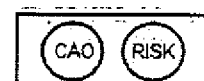
The Administrator or an authorized representative will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise the City or will notify the City within the 30-day period that additional time is necessary.

(3) In the event the Contractor, the laborers or mechanics to be employed in the classification, or their representatives, and the City do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), the City shall refer the questions, including the views of all interested parties and the recommendation of the City, to the Administrator of the Wage and Hour Division for determination. The Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise the City or will notify the City within the 30-day period that additional time is necessary.

(4) The wage rate (including fringe benefits, where appropriate) determined pursuant to paragraphs (c)(2) and (c)(3) of this clause shall be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.

(d) Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the Contractor shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof.

(e) If the Contractor does not make payments to a trustee or other third person, the Contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program; provided, That the Secretary of Labor has found, upon the written request of the Contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the Contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.



CONTRACT WORK HOURS AND SAFETY STANDARDS ACT—OVERTIME COMPENSATION (JULY 2005)

(a) *Overtime requirements.* No Contractor or subcontractor employing laborers or mechanics (see Federal Acquisition Regulation 22.300) shall require or permit them to work over 40 hours in any workweek unless they are paid at least 1 and 1/2 times the basic rate of pay for each hour worked over 40 hours.

(b) *Violation; liability for unpaid wages; liquidated damages.* The responsible Contractor and subcontractor are liable for unpaid wages if they violate the terms in paragraph (a) of this clause. In addition, the Contractor and subcontractor are liable for liquidated damages payable to the Government. The City will assess liquidated damages at the rate of \$10 per affected employee for each calendar day on which the employer required or permitted the employee to work in excess of the standard workweek of 40 hours without paying overtime wages required by the Contract Work Hours and Safety Standards Act.

(c) *Withholding for unpaid wages and liquidated damages.* The City will withhold from payments due under the contract sufficient funds required to satisfy any Contractor or subcontractor liabilities for unpaid wages and liquidated damages. If amounts withheld under the contract are insufficient to satisfy Contractor or subcontractor liabilities, the City will withhold payments from other Federal or federally assisted contracts held by the same Contractor that are subject to the Contract Work Hours and Safety Standards Act.

(d) *Payrolls and basic records.*

(1) The Contractor and its subcontractors shall maintain payrolls and basic payroll records for all laborers and mechanics working on the contract during the contract and shall make them available to the Government until 3 years after contract completion. The records shall contain the name and address of each employee, social security number, labor classifications, hourly rates of wages paid, daily and weekly number of hours worked, deductions made, and actual wages paid. The records need not duplicate those required for construction work by Department of Labor regulations at 29 CFR 5.5(a)(3) implementing the Davis-Bacon Act.

(2) The Contractor and its subcontractors shall allow authorized representatives of the City or the Department of Labor to inspect, copy, or transcribe records maintained under paragraph (d)(1) of this clause. The Contractor or subcontractor also shall allow authorized representatives of the City or Department of Labor to interview employees in the workplace during working hours.

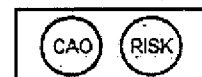
(e) *Subcontracts.* The Contractor shall insert the provisions set forth in paragraphs (a) through (d) of this clause in subcontracts that may require or involve the employment of laborers and mechanics and require subcontractors to include these provisions in any such lower tier subcontracts. The Contractor shall be responsible for compliance by any subcontractor or lower-tier subcontractor with the provisions set forth in paragraphs (a) through (d) of this clause.

APPRENTICES AND TRAINEES (JULY 2005)

(a) *Apprentices.*

(1) An apprentice will be permitted to work at less than the predetermined rate for the work performed when employed—

(i) Pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship Training, Employer, and Labor Services (OATELS) or with a State Apprenticeship



Agency recognized by the OATELS; or

(ii) In the first 90 days of probationary employment as an apprentice in such an apprenticeship program, even though not individually registered in the program, if certified by the OATELS or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice.

(2) The allowable ratio of apprentices to journeymen on the job site in any craft classification shall not be greater than the ratio permitted to the Contractor as to the entire work force under the registered program.

(3) Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated in paragraph (a)(1) of this clause, shall be paid not less than the applicable wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed.

(4) Where a Contractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman's hourly rate) specified in the Contractor's or subcontractor's registered program shall be observed. Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination.

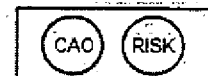
(5) Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination.

(6) In the event OATELS, or a State Apprenticeship Agency recognized by OATELS, withdraws approval of an apprenticeship program, the Contractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(b) Trainees.

(1) Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship Training, Employer, and Labor Services (OATELS). The ratio of trainees to journeymen on the job site shall not be greater than permitted under the plan approved by OATELS.

(2) Every trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed in the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman wage rate in the wage determination which provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the OATELS shall be paid not less than the applicable wage rate in the wagedetermination for the classification of work actually



performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate in the wage determination for the work actually performed.

(3) In the event OATELS withdraws approval of a training program, the Contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(c) *Equal employment opportunity.* The utilization of apprentices, trainees, and journeymen under this clause shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR Part 30.

PAYROLLS AND BASIC RECORDS (FEB 1988)

(a) Payrolls and basic records relating thereto shall be maintained by the Contractor during the course of the work and preserved for a period of 3 years thereafter for all laborers and mechanics working at the site of the work. Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in section 1(b)(2)(B) of the Davis-Bacon Act), daily and weekly number of hours worked, deductions made, and actual wages paid. Whenever the Secretary of Labor has found, under paragraph (d) of the clause entitled Davis-Bacon Act, that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in section 1(b)(2)(B) of the Davis-Bacon Act, the Contractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits. Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs.

(b)(1) The Contractor shall submit weekly for each week in which any contract work is performed a copy of all payrolls to the City. The payrolls submitted shall set out accurately and completely all of the information required to be maintained under paragraph (a) of this clause. This information may be submitted in any form desired. Optional Form WH-347 (Federal Stock Number 029-005-00014-1) is available for this purpose and may be purchased from the—

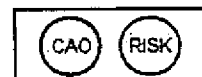
Superintendent of Documents
U.S. Government Printing Office Washington, DC
20402

The Prime Contractor is responsible for the submission of copies of payrolls by all subcontractors.

(2) Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the Contractor or subcontractor or his or her agent who pays or supervises the payment of the persons employed under the contract and shall certify—

(i) That the payroll for the payroll period contains the information required to be maintained under paragraph (a) of this clause and that such information is correct and complete;

(ii) That each laborer or mechanic (including each helper, apprentice, and trainee) employed on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in the Regulations, 29 CFR Part 3; and



(iii) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification of work performed, as specified in the applicable wage determination incorporated into the contract.

(3) The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirement for submission of the "Statement of Compliance" required by paragraph (b)(2) of this clause.

(4) The falsification of any of the certifications in this clause may subject the Contractor or subcontractor to civil or criminal prosecution under Section 1001 of Title 18 and Section 3729 of Title 31 of the United States Code.

(c) The Contractor or subcontractor shall make the records required under paragraph (a) of this clause available for inspection, copying, or transcription by the City or authorized representatives of the City or the Department of Labor. The Contractor or subcontractor shall permit the City or representatives of the City or the Department of Labor to interview employees during working hours on the job. If the Contractor or subcontractor fails to submit required records or to make them available, the City may, after written notice to the Contractor, take such action as may be necessary to cause the suspension of any further payment. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.

COMPLIANCE WITH COPELAND ACT REQUIREMENTS (FEB 1988)

The Contractor shall comply with the requirements of 29 CFR Part 3, which are hereby incorporated by reference in this contract.

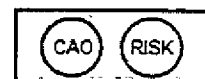
WITHHOLDING OF FUNDS (FEB 1988)

The City shall, upon his or her own action or upon written request of an authorized representative of the Department of Labor, withhold or cause to be withheld from the Contractor under this contract or any other Federal contract with the same Prime Contractor, or any other federally assisted contract subject to Davis-Bacon prevailing wage requirements, which is held by the same Prime Contractor, so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees, and helpers, employed by the Contractor or any subcontractor the full amount of wages required by the contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee, or helper, employed or working on the site of the work, all or part of the wages required by the contract, the City may, after written notice to the Contractor, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

SUBCONTRACTS (LABOR STANDARDS) (JULY 2005)

(a) *Definition.* "Construction, alteration or repair," as used in this clause, means all types of work done by laborers and mechanics employed by the construction Contractor or construction subcontractor on a particular building or work at the site thereof, including without limitation—

- (1) Altering, remodeling, installation (if appropriate) on the site of the work of items fabricated off-site;
- (2) Painting and decorating;
- (3) Manufacturing or furnishing of materials, articles, supplies, or equipment on the site of the building or work;
- (4) Transportation of materials and supplies between the site of the work within the meaning of



paragraphs (a)(1)(i) and (ii) of the "site of the work" as defined in the FAR clause at 52.222-6, Davis-Bacon Act of this contract, and a facility which is dedicated to the construction of the building or work and is deemed part of the site of the work within the meaning of paragraph (2) of the "site of work" definition; and

(5) Transportation of portions of the building or work between a secondary site where a significant portion of the building or work is constructed, which is part of the "site of the work" definition in paragraph (a)(1)(ii) of the FAR clause at 52.222-6, Davis-Bacon Act, and the physical place or places where the building or work will remain (paragraph (a)(1)(i) of the FAR clause at 52.222-6, in the "site of the work" definition).

(b) The Contractor shall insert in any subcontracts for construction, alterations and repairs within the United States the clauses entitled—

- (1) Davis-Bacon Act;
- (2) Contract Work Hours and Safety Standards Act—Overtime Compensation (if the clause is included in this contract);
- (3) Apprentices and Trainees;
- (4) Payrolls and Basic Records;
- (5) Compliance with Copeland Act Requirements;
- (6) Withholding of Funds;
- (7) Subcontracts (Labor Standards);
- (8) Contract Termination—Debarment;
- (9) Disputes Concerning Labor Standards;
- (10) Compliance with Davis-Bacon and Related Act Regulations; and
- (11) Certification of Eligibility.

(c) The prime Contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor performing construction within the United States with all the contract clauses cited in paragraph (b).

(d)(1) Within 14 days after award of the contract, the Contractor shall deliver to the City a completed Standard Form (SF) 1413, Statement and Acknowledgment, for each subcontract for construction within the United States, including the subcontractor's signed and dated acknowledgment that the clauses set forth in paragraph (b) of this clause have been included in the subcontract.

(2) Within 14 days after the award of any subsequently awarded subcontract the Contractor shall deliver to the City an updated completed SF 1413 for such additional subcontract.

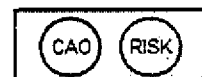
(e) The Contractor shall insert the substance of this clause, including this paragraph (e) in all subcontracts for construction within the United States.

CONTRACT TERMINATION—DEBARMENT (FEB 1988)

A breach of the contract clauses entitled Davis-Bacon Act, Contract Work Hours and Safety Standards Act—Overtime Compensation, Apprentices and Trainees, Payrolls and Basic Records, Compliance with Copeland Act Requirements, Subcontracts (Labor Standards), Compliance with Davis-Bacon and Related Act Regulations, or Certification of Eligibility may be grounds for termination of the contract, and for debarment as a Contractor and subcontractor as provided in 29 CFR 5.12.

DISPUTES CONCERNING LABOR STANDARDS (FEB 1988)

The United States Department of Labor has set forth in 29 CFR parts 5, 6, and 7 procedures for resolving



disputes concerning labor standards requirements. Such disputes shall be resolved in accordance with those procedures and not the Disputes clause of this contract. Disputes within the meaning of this clause include disputes between the Contractor (or any of its subcontractors) and the contracting agency, the U.S. Department of Labor, or the employees or their representatives.

COMPLIANCE WITH DAVIS-BACON AND RELATED ACT REGULATIONS (FEB 1988)

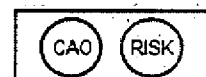
All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR parts 1, 3, and 5 are hereby incorporated by reference in this contract

CERTIFICATION OF ELIGIBILITY (FEB 1988)

(a) By entering into this contract, the Contractor certifies that neither it (nor he or she) nor any person or firm who has an interest in the Contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

(b) No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

The penalty for making false statements is prescribed in the U.S. Criminal Code, 18 U.S.C. 1001.



APPENDIX C

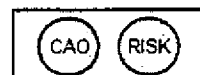
FORM 7- INSTALLATION ACCESS APPLICATION

**APPLICATION FOR INSTALLATION ACCESS
(FOR U.S. CITIZEN APPLICANTS ONLY)**

DATA REQUIRED BY THE PRIVACY ACT OF 1974		
PRINCIPAL PURPOSE: Provide necessary information to determine if applicant meets the access control requirements. Use of Driver's License is necessary to make positive identification of the applicant. ROUTINE USE: None. DISCLOSURE IS VOLUNTARY: However, failure to provide information requested may delay or preclude access to the installation.		
SECTION I. Should be completed by the sponsor requesting personnel listed below inclusion to the Installation Access Roster to permit entry to the U.S. Army, Post of Monterey, California. Sponsor will be responsible for all actions of their guests while on the installation. SECTION II is for information on U.S. Citizen applicants.		
SECTION I. SPONSOR'S INFORMATION		
SPONSOR'S LAST NAME, FIRST NAME, MIDDLE INITIAL		SPONSOR'S WORK PHONE (Area Code and Number)
SPONSOR'S ORGANIZATION		
SPONSOR'S SSN (Verification required in DEERS/OBIDS)	DATE OF BIRTH (MM/DD/YYYY)	CONTRACT EXPIRATION DATE (Contractors only)
PURPOSE OF VISIT (Please provide details in the space provided below)		
<input type="checkbox"/> Mission Requirement		<input type="checkbox"/> Other
TYPE OF REQUEST <input type="checkbox"/> ACCESS ROSTER <input type="checkbox"/> OBIDS CARD <input type="checkbox"/> INITIAL REQUEST <input type="checkbox"/> RENEWAL		
SIGNATURE		DATE
SECTION II. INFORMATION ON U.S. CITIZEN APPLICANT(S)		
1. LAST NAME, FIRST NAME, MIDDLE INITIAL		FULL SSN (Verification required in CLETS)
DRIVER'S LICENSE NUMBER	ISSUING STATE	DATE OF BIRTH (MM/DD/YYYY)
DATE OF REQUESTED ACCESS (MM/DD/YYYY) FROM [] TO []		TIME OF REQUESTED ACCESS FROM [] TO []
DAYS REQUESTED ACCESS <input type="checkbox"/> MONDAY <input type="checkbox"/> TUESDAY <input type="checkbox"/> WEDNESDAY <input type="checkbox"/> THURSDAY <input type="checkbox"/> FRIDAY <input type="checkbox"/> SATURDAY <input type="checkbox"/> SUNDAY		
2. LAST NAME, FIRST NAME, MIDDLE INITIAL		FULL SSN (Verification required in CLETS)
DRIVER'S LICENSE NUMBER	ISSUING STATE	DATE OF BIRTH (MM/DD/YYYY)
DATE OF REQUESTED ACCESS (MM/DD/YYYY) FROM [] TO []		TIME OF REQUESTED ACCESS FROM [] TO []
DAYS REQUESTED ACCESS <input type="checkbox"/> MONDAY <input type="checkbox"/> TUESDAY <input type="checkbox"/> WEDNESDAY <input type="checkbox"/> THURSDAY <input type="checkbox"/> FRIDAY <input type="checkbox"/> SATURDAY <input type="checkbox"/> SUNDAY		
3. LAST NAME, FIRST NAME, MIDDLE INITIAL		FULL SSN (Verification required in CLETS)
DRIVER'S LICENSE NUMBER	ISSUING STATE	DATE OF BIRTH (MM/DD/YYYY)
DATE OF REQUESTED ACCESS (MM/DD/YYYY) FROM [] TO []		TIME OF REQUESTED ACCESS FROM [] TO []
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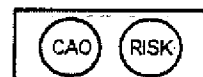
PERFORM MECHANICAL REPAIRS AND UPGRADES TO HVAC SYSTEMS AND ASSOCIATED COMPONENTS: B343 PROJECT (DPW-14021E)

Agreement #: Ag-5112 - Page 78 of 237



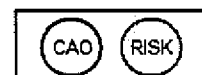
**APPLICATION FOR INSTALLATION ACCESS
(FOR U.S. CITIZEN APPLICANTS ONLY)**

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FOR APPROVING AUTHORITY USE ONLY			
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**APPLICATION FOR INSTALLATION ACCESS
(FOR NON U.S. CITIZEN APPLICANTS ONLY)**

DATA REQUIRED BY THE PRIVACY ACT OF 1974		
<p>PRINCIPAL PURPOSE: Provide necessary information to determine if applicant meets the access control requirements. Use of Drivers License is necessary to make positive identification of the applicant.</p> <p>ROUTINE USE: None.</p> <p>DISCLOSURE IS VOLUNTARY: However, failure to provide information requested may delay or preclude access to the installation.</p>		
<p>SECTION I. Should be completed by the sponsor requesting personnel listed below inclusion to the Installation Access Roster to permit entry to the U.S. Army, Prostate of Monterey, California. Sponsor will be responsible for all actions of their guests while on the installation.</p> <p>SECTION II is for information on Non-U.S. Citizen applicants.</p>		
SECTION I. SPONSOR'S INFORMATION		
SPONSOR'S LAST NAME, FIRST NAME, MIDDLE INITIAL		SPONSOR'S WORK PHONE (Area Code and Number)
SPONSOR'S ORGANIZATION		
SPONSOR'S SSN (Verification required in DEERS/OBIDS)	DATE OF BIRTH (MM/DD/YYYY)	CONTRACT EXPIRATION DATE (Contractors only)
PURPOSE OF VISIT (Please provide details in the space provided below)		
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TYPE OF REQUEST <input type="checkbox"/> ACCESS ROSTER <input type="checkbox"/> OBIDS CARD <input type="checkbox"/> INITIAL REQUEST <input type="checkbox"/> RENEWAL		
SIGNATURE		DATE
SECTION II. INFORMATION ON NON-U.S. CITIZEN APPLICANT(S)		
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VISA NUMBER	DATE OF ISSUE (MM/DD/YYYY)	PLACE OF ISSUE
ALIEN REGISTRATION NUMBER	DATE OF ISSUE (MM/DD/YYYY)	PLACE OF ISSUE
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VISA NUMBER	DATE OF ISSUE (MM/DD/YYYY)	PLACE OF ISSUE
ALIEN REGISTRATION NUMBER	DATE OF ISSUE (MM/DD/YYYY)	PLACE OF ISSUE

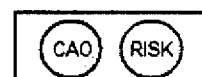


**APPLICATION FOR INSTALLATION ACCESS
(FOR NON-U.S. CITIZEN APPLICANTS ONLY)**

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PERFORM MECHANICAL REPAIRS AND UPGRADES TO HVAC SYSTEMS AND ASSOCIATED COMPONENTS: B343 PROJECT (DPW-14021E)

Agreement #: Ag-5112 - Page 81 of 237



APPENDIX D



CITY OF MONTEREY
ENVIRONMENTAL PROTECTION PLAN
FOR
MANAGING CONSTRUCTION AND DEMOLITION DEBRIS

Prepared by: City of Monterey Staff

Project:

DPW-

It is the goal of the City of Monterey to maximize recycling, divert solid waste and minimize and remediate hazardous waste generated during construction and demolition projects.

**PERFORM MECHANICAL REPAIRS AND UPGRADES TO HVAC SYSTEMS
AND ASSOCIATED COMPONENTS: B343 PROJECT (DPW-14021E)**

Agreement #: Ag-5112 - Page 82 of 237



Table of Contents

Environmental Protection Plan 3

1.1 BACKGROUND 3

1.2 DEFINITIONS 4

 1.2.1 Environmental Pollution and Damage 4

 1.2.2 Environmental Protection 4

 1.2.3 Contractor Generated Hazardous Waste 4

 1.2.4 Environmental Protection Plan 4

1.3 GENERAL REQUIREMENTS 4

1.4 SUBMITTALS 5

 1.4.1 Preconstruction Submittals 5

 1.4.2 Postconstruction Submittals 5

1.5 Methods for Minimizing waste 5

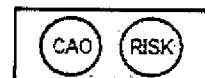
 1.5.1 Reducing Waste at the Source 5

 1.5.2 Reuse Scrap Materials 5

 1.5.3 Recycle Materials 5

 1.5.4 Use Recycled-Content Construction Materials 6

1.6 Sources of Additional Information 6



Environmental Protection Plan

This plan serves as a general environmental section for project contracts. It integrates the DA (Department of Army) environmental program policies and requirements for activities that occur on military installations and/or are funded under the military construction/O&M funding. Army Environmental Program policies are promulgated in the following regulations, DA AR 200-1 (Environmental Protection and Enhancement), DA AR 200-2 (Environmental Effects of Army Actions), and DA AR 200-3 (Natural Resources -Land, Forest and Wildlife Management).

Designers need to ensure that the project design and contemplated methods of construction comply with all applicable laws, including: Clean Air Act (CAA), Clean Water Act (CWA), Coastal Zone Management Act (CZMA), Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA), Emergency Planning and Community Right to Know Act (EPCRA), Endangered Species Act (ESA), Fish and Wildlife Coordination Act (FWCA), Marine Protection, Research, and Sanctuaries Act (MPRSA), National Environmental Policy Act (NEPA), National Historic Preservation Act (NHPA), National Pollutant Discharge Elimination System (NPDES), Oil Pollution Act (OPA), Research and Sanctuaries Act, Native American Graves Protection and Repatriation Act (NAGPRA), Resource Conservation and Recovery Act (RCRA), Rivers and Harbors Act of 1899 (R&H), Safe Drinking Water Act (SDWA), Toxic Substance Control Act (TSCA), Wild & Scenic Rivers Act (WSRA), Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), and Subsequent Executive Orders.

1.1 BACKGROUND

Estimates indicate that up to 30 percent of the solid waste produced in the Monterey Bay area each year consists of construction and demolition (C&D) debris. This debris results from construction, repair, remodeling, or demolition operations on buildings, other structures, and pavement. The construction and demolition waste stream can be broken into three basic categories—(1) wood, (2) rubble and asphalt, and (3) other materials. Various estimates indicate that about half of the debris is composed of rubble (which includes concrete, cinder block, stone, clay brick, and soil and asphalt). Wood composes about 25 to 40 percent of the construction and demolition waste; and the remaining materials are metals, gypsum wallboard, asphalt roofing material, plastic, paper, and glass. Furthermore, construction waste can be contaminated by the improper handling of hazardous waste materials. Several experts claim that 90 percent of this waste could be eliminated by reducing waste production and by recycling, depending on local market conditions for the materials.

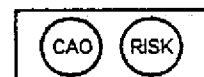
CA Integrated Waste Management Act of 1989 (AB 939)

AB 939 passed in 1989, established a new direction for waste management in the state with the creation of the CA Integrated Waste Management Board (CIWMB), and setting up a new mandate for local jurisdictions to meet diversion goals.

AB 939 mandated local jurisdictions to meet solid waste diversion goals of 25 percent by 1995 and 50 percent by 2000. The CIWMB would determine this diversion by looking at the base-year solid waste generation (waste normally disposed of into landfills) to determine the amount of solid waste diverted. To help in the increase of diversion rates, each jurisdiction was required to create an Integrated Waste Management Plan that looked at recycling programs, purchasing of recycled products and waste minimization.

To encourage recycling and reuse, the Countywide Integrated Waste Management Plan for Monterey County divides the waste stream into four categories: construction or demolition wastes, land-clearing wastes, inert wastes, and yard trash. The plan then recommends the following methods for handling these materials:

- Construction and demolition debris should be separated into recyclable and non-recyclable materials.



- Inert debris (defined by the state as concrete, brick, concrete block, uncontaminated soil, rock, and gravel should be recycled and reused as clean fill material.
- Yard waste and land-clearing debris should be reduced, reused, or recycled as mulch or compost.

1.2 DEFINITIONS

1.2.1 Environmental Pollution and Damage

Environmental pollution and damage is the presence of chemical, physical, or biological elements or agents which adversely affect human health or welfare; unfavorably alter ecological balances of importance to human life; affect other species of importance to humankind; or degrade the environment aesthetically, culturally and/or historically.

1.2.2 Environmental Protection

Environmental protection is the prevention/control of pollution and habitat disruption that may occur to the environment during construction. The control of environmental pollution and damage requires consideration of land, water, and air; biological and cultural resources; and includes management of visual aesthetics; noise; solid, chemical, gaseous, and liquid waste; radiant energy and radioactive material as well as other pollutants.

1.2.3 Contractor Generated Hazardous Waste

Contractor generated hazardous waste means materials that, if abandoned or disposed of, may meet the definition of a hazardous waste. These waste streams would typically consist of material brought on site by the Contractor to execute work, but are not fully consumed during the course of construction. Examples include, but are not limited to, excess paint thinners (i.e. methyl ethyl ketone, toluene etc.), waste thinners, excess paints, excess solvents, waste solvents, and excess pesticides, and contaminated pesticide equipment rinse water.

1.2.4 Environmental Protection Plan

The Environmental Protection Plan is a document designed to present a comprehensive overview of known or potential environmental issues which the Contractor must address during construction. Issues of concern must be defined within the Environmental Protection Plan. Each topic shall be addressed at a level of detail commensurate with the environmental issue and required construction task(s). Topics or issues which are not identified, but are considered necessary, must be identified and discussed after those items formally identified. An environmental protection plan shall be a fluid document that is developed and updated throughout a project with input from the contractor, designer, environmental regulatory authority, and contracting officer.

1.3 GENERAL REQUIREMENTS

Minimize environmental pollution and damage that may occur as the result of construction operations through the identification of recycling, solid waste minimization, and solid waste diversion opportunities, and the submittal of a Construction and Demolition (C&D) plan following the completion of the project.

The environmental resources within the project boundaries and those affected outside the limits of permanent work must be protected during the entire duration of this contract. Comply with all applicable environmental Federal, State, and local laws and regulations. Any delays resulting from failure to comply with environmental laws and regulations will be the Contractor's responsibility.

No requirement in this Section will relieve the Contractor of any applicable Federal, State, and local environmental protection laws and regulations. During Construction, the Contractor will be responsible for identifying, implementing, and submitting for approval any additional requirements to be included in the Environmental Protection Plan.

1.4 SUBMITTALS

1.4.1 Pre-construction Submittals

Submittals which are required prior to commencing work on site or the start of the next major phase of the construction on a multi-phase contract includes:

1. C&D Debris Waste Management Plan Section 1:
 - a. Project Information
 - b. Waste Hauler Information
2. C&D Debris Waste Management Plan Section 2: Parts 1, 2 & 3

1.4.2 Post-construction Submittals

Submittals which are required within fifteen days following the final closeout of the project includes:

1. C&D Debris Waste Management Plan Section 2: Part 4

1.5 METHODS FOR MINIMIZING WASTE

1.5.1 Reducing Waste at the Source

Consider the following ways to reduce waste.

Design - When designing use standard material sizes—for example, wall sections that use 4-by-8-foot sheets of materials efficiently.

Plan - Plan ahead so that fewer emergency supply runs need be made to local suppliers. Store left over supplies and materials for your next project.

Reduce Packaging - Ask suppliers to remove packaging before shipping materials to your site, wrap materials in reusable blankets or padding, or take back the packaging after the materials have been delivered.

Include Waste Disposal Costs in Bids - Require subcontractors to include the cost of removing their waste in their bids to give them an incentive to produce less waste.

1.5.2 Reuse Scrap Materials

Consider reusing materials on site to reduce your disposal efforts and costs.

On site storage – Keep excess or left over materials on site in a well organized fashion so they can be located and reused when needed.

Leftover masonry materials - Crush on site and used for fill or as bedding material for light paving.

Joist off-cuts - Cut up and used as stakes for forming or for headers around openings in the floor assembly.

Pallets - Recycle, or returned to the vendors.

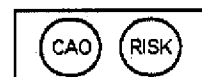
Salvageable materials - Give salvageable or excess new materials to businesses that collect and resell used construction materials such as Habitat for Humanity's Restores.

1.5.3 Recycle Materials

Most construction and demolition wastes can be recycled into new materials. Information about recycling opportunities can be obtained from local solid waste managers, regional offices of state solid waste management agencies, and waste haulers. Segregated construction and demolition materials can be stored on the project site in compartmentalized dumpsters labeled for metals, wood, cardboard, plastics, and other materials.

Scrap lumber can be processed and used for landscaping, compost, animal bedding, boiler fuel, or engineered building products.

Metals such as aluminum, copper, steel, and brass can be sold to scrap metal yards. These are some of the easiest and most cost-effective materials to recycle.



Cardboard can be kept separate in cardboard-only dumpsters at the job site and picked up by a local recycling firm. Several communities have banned cardboard from landfills and others are considering it, so now is the time to be thinking about options.

Gypsum drywall can be ground up for use as a soil amendment or a substitute for lime on lawns.

Rubble (concrete, bricks, cinder block, and certain types of tile) can be crushed and sieved for use as an aggregate. For example, it can substitute for stone aggregate in nonstructural applications.

Glass can be recycled into fiberglass or crushed and used in place of sand or p-gravel in paving material.

Asphalt shingles can be used in asphalt paving and pothole repair.

Other scrap, such as plastic, fiberglass, and foam or other packaging materials can be recycled.

However, it may not be cost effective to recycle the small amounts generated unless a local market exists. Check with a local or state solid waste manager for information on recycling markets.

NOTE: If recycling a material by using it as a soil amendment or beneficial fill material, contact the local environmental regulatory agencies first for guidance and approval. Consider these suggestions for reducing, reusing, and recycling your materials; take the time to analyze the operations.

1.5.4 Use Recycled-Content Construction Materials

To help expand markets for recyclable materials, it is important to buy building supplies that contain recycled materials. Some of these materials have been used for years by the construction industry, but they have not been advertised as "recycled." There are also many new recycled-content building materials that you may not be aware of. Information about the products available and how to purchase them can be obtained by consulting some of the publications or offices listed here.

1.6 SOURCES OF ADDITIONAL INFORMATION

California Department of Resources Recycling and Recovery

Phone: (916) 341-6199

Fax: (916) 341-6667

Email: lamd@calrecycle.ca.gov

Contact for Questions: Annabel Farral

<http://www.calrecycle.ca.gov/>

City of Monterey Building & Safety Dpt.

580 Pacific Street

City of Monterey

City Hall

Monterey, CA 93940

US Green Building Council

U.S. Green Building Council

2101 L Street, NW

Suite 500

Washington, DC 20037

Environmental Health

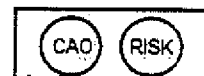
Administration Division

1270 Natividad Road

Salinas, CA 93906

Phone: (831) 755-4505

Fax: (831) 755-4880



MRWPCA

14201 Del Monte Boulevard
P.O. Box 1670
Marina, CA 93933-1670
Phone: (831) 384-5313
Fax: (831) 384-3567

Monterey City Disposal Service

10 Ryan Ranch Road
Monterey CA 93940
Phone: (831) 372-7977
Fax: (831) 899-2640
Email Address info@montereydisposal.com

1.7 PUBLICATIONS

State Hazardous Waste Law

<http://www.mrwmd.org/pdf/HHW%20Customer%20Notice.pdf>

Recycled Products Guide

Federal Supply Service
U.S. General Services Administration
Centralized Mailing List Service
P.O. Box 6477
Mailing code RCPG-0001
Fort Worth, TX 76115

The Official Recycled Products Guide

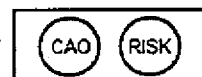
American Recycling Market, Inc
P.O. Box 577
Ogdensburg, NY 13669
(800) 267-0707

Green Pages

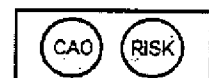
Earthways Green Builder Council
3617 Grandel Square
St. Louis, MO 63103
(314) 577 9457

Environmental Building News

RR 1, Box 161
Brattleboro, VT 05301
(802) 257-7300



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APPENDIX E**CONSTRUCTION AND DEMOLITION DEBRIS WASTE MANAGEMENT PLAN****Introduction**

This guide will help you complete your Construction and Demolition (C&D) Debris Waste Management Plan required for all Presidio of Monterey infrastructure improvements projects.

General Information

Construction and Demolition (C&D) debris contributes up to 30% of the waste stream in the Monterey Bay Area. C&D debris includes the materials generated in the construction and/or demolition of general construction, streets & underground construction, buildings, remodels and additions.

Section I. Information**Project Information**

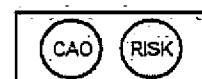
All information must be filled out completely within 15 days of the award of contract and before any construction begins.

- a) **Owner's Name** – owner of the structure or property
- b) **Owner's Address** – current address of the owner of the structure or property
- c) **Project Name & Number** - Official project name & number as issued by DPW
- d) **Project Address** – location of the jobsite
- e) **Project Contact Person** – person in charge of the construction/demolition project also include phone, email, and address
- f) **Type of Building** – check where applicable
- g) **Type of Project** – check all that apply
- h) **Total Project Cost** – cost of the construction/demolition project
- i) **Total Square Feet** – Area remodeled or for new construction enter the size of structure.

Waste Hauler Information

- a) **Waste Hauling Company** – company that hauls construction debris from your jobsite
- b) **Contact Name** – name of representative at hauling company
- c) **Address, City/State/Zip, Phone, Fax** – location and contact information for the hauling company

List all haulers if you have more than one company removing your construction/demolition debris



Section II. Construction Debris Material Handling

- 1) Complete the schedule to determine types and quantities of C&D debris created on the job site. List approximate weights of each type of materials, describe material type and where it originates from, and list the planned destination for all C&D materials.
- 2) Where applicable, list actions taken to recycle materials and minimize and divert solid waste from the waste stream.
- 3) Describe areas where more recycling or solid waste minimization and diversion could take place.
- 4) Following the completion of the project complete the C&D schedule by:

The project developer shall report the quantities of all construction and demolition debris recycled. At a minimum, all of the materials listed in the approved recycling plan should be reported below.

The project developer shall attach receipts from a bonafide recycling facility or other pertinent documentation to demonstrate recycling of the materials.

This C&D Waste Management Plan Shall be submitted to the contracting officer, and maintained in the City project Folder.

Form must be signed and dated by City Representative

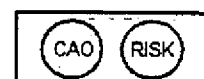
For questions regarding waste disposal please contact the Monterey Regional Waste Management District at cdinfo@co.wake.nc.us or call 919-856-5216. Visit our website at www.wakegov.com

For more information regarding the Monterey Regional Waste Management Fees Please Visit the following website:

<http://www.mrwmd.org/pdf/disposal%20fee%20brochure%2001-09.pdf>

For and introduction to Construction and Demolition waste reduction please visit the following website:

<http://www.mrwmd.org/pdf/CandDWasteReductionReuseandRecycling.pdf>



Section I. Information

Project Information:

Owner's Name: Presidio of Monterey

Address: Monterey CA 93940

Project TITLE:

Project Address:

City/State/Zip:

Project Contact Person:

Phone: Email:

Address:

City/State/Zip:

Type of Building: Commercial Housing Classroom/Office

Type of Project: New Construction Addition/Renovation Demolition

Total Project Cost: \$ Total Sq. Ft.:

Waste Hauler Information:

1) Waste Hauling Company:

Contact Name:

Address:

City/State/Zip:

Phone: Fax:

Email:

2) Waste Hauling Company:

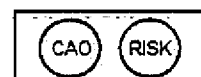
Contact Name:

Address:

City/State/Zip:

Phone: Fax:

Email:



Section II. Construction Debris Material Handling

1) List approximate weights of each type of materials, describe material type and where it originates from, and list the planned destination for all C&D materials.

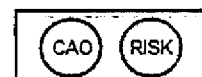
Waste Type	Estimate Qty. Recycled (lbs)	Material Type & Origin	Destination Facilities
Concrete			
Asphalt			
Masonry			
Clean Lumber (unpainted)			
Drywall			
Metal			
Roofing Shingles			
Cardboard			
Green Waste			
Hazardous Waste			
Other Material			

2) Describe actions taken to recycle materials and minimize and divert solid waste from the waste stream.

Company will make every effort to recycle materials wherever possible.

3) Describe areas where more recycling or solid waste minimization and diversion could take place.

Company was diligent in recycling materials.



- 4) Following the completion of the project complete the C&D schedule and attach any and all disposal or recycling tags or receipts.

CONSTRUCTION AND DEMOLITION (C&D) SCHEDULE SOLID WASTE AND RECYCLING REPORTS

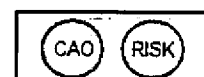
Reporting Period From: _____ To: _____

Waste Type	Amount Recycled/ Diverted (lbs)	Receipt Attached (Yes or No)	Name of Recycling Facility or Landfill	Date of Disposal/Recycling	Cost of Recycling /Disposal
Concrete					
Asphalt					
Masonry					
Clean Lumber (unpainted)					
Drywall					
Metal					
Roofing Shingles					
Cardboard					
Pails and Rubber Cove					
Hazardous Waste					
Other Material Carpet					

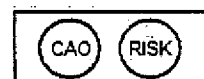
Acceptance:

Contractor

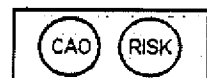
Contracting Officer



APPENDIX F
HAZARDOUS MATERIAL TESTING REPORTS



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EMC LABS, INC.

9830 S. 51st Street, Suite B109, Phoenix, AZ 85044
Phone: 800-362-3373 or 480-940-5294 - Fax: (480) 893-1726

Laboratory Report
0159797

Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client:	M3 ENVIRONMENTAL CONS.	Job# / P.O. #:	15398.0 - T1	DPW14021A
Address:	9821 BLUE LARKSPUR LN, STE 100	Date Received:	08/28/2015	
	MONTEREY CA 93940	Date Analyzed:	08/31/2015	
Collected:	08/27/2015	Date Reported:	08/31/2015	
Project Name:	CITY OF MONTEREY-POM 343-	EPA Method:	EPA 600/R-93/116	
Address:	SERVER ROOM-LTD ACM/PB	Submitted By:	ALEX SUPERKO	
		Collected By:		

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents	
0159797-001 1A	SERVER ROOM	2x4 Acoustical Ceiling Panel, White/ Beige/Lt. Brown	No	None Detected	Mineral Wool Cellulose Fiber Carbonates Gypsum Perlite Binder/Filler	65% 20% 15%
0159797-002 2A	SERVER ROOM	LAYER 1 Wallboard/Fiberboard, Brown	No	None Detected	Cellulose Fiber Gypsum Binder/Filler	90% 10%
		LAYER 2 Joint Compound/ Paint, White	No	None Detected	Gypsum Quartz Binder/Filler	 100%
0159797-003 3A	SERVER ROOM	LAYER 1 Wallboard/Fiberboard, Brown	No	None Detected	Cellulose Fiber Gypsum Binder/Filler	90% 10%
		LAYER 2 Joint Compound/ Paint, White	No	None Detected	Gypsum Quartz Binder/Filler	 100%
0159797-004 4A	SERVER ROOM	Texture, White Note: Layer is mainly Paint - little Texture present	No	None Detected	Cellulose Fiber Gypsum Quartz Carbonates Binder/Filler	2% 98%
0159797-005 4B	SERVER ROOM	Texture, White Note: Layer is mainly Paint - little Texture present	No	None Detected	Cellulose Fiber Gypsum Quartz Carbonates Binder/Filler	2% 98%

EMC LABS, INC.

9830 S. 51st Street, Suite B109, Phoenix, AZ 85044
 Phone: 800-362-3373 or 480-940-5294 - Fax: (480) 893-1726

Laboratory Report
0159797

Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client:	M3 ENVIRONMENTAL CONS.	Job# / P.O. #:	15398.0 -T1	DPW14021A
Address:	9821 BLUE LARKSPUR LN, STE 100	Date Received:	08/28/2015	
	MONTEREY CA 93940	Date Analyzed:	08/31/2015	
Collected:	08/27/2015	Date Reported:	08/31/2015	
Project Name:	CITY OF MONTEREY-POM 343-	EPA Method:	EPA 600/R-93/116	
Address:	SERVER ROOM-LTD ACM/PB	Submitted By:	ALEX SUPERKO	
		Collected By:		

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0159797-006 4C	SERVER ROOM	Texture, White Note: Layer is mainly Paint - little Texture present	No	None Detected	Cellulose Fiber 1% Carbonates Mica Quartz Binder/Filler 99%
0159797-007 5A	SERVER ROOM	Wallboard/ Joint Compound Composite, White/ Brown/ Beige Note: COMPOSITE ANALYSIS REQUESTED	No	None Detected	Cellulose Fiber 9% Fibrous Glass 1% Gypsum Carbonates Mica Perlite Quartz Binder/Filler 90%
0159797-008 6A	SERVER ROOM	Knockdown Texture, Beige/White	No	None Detected	Carbonates Mica Perlite Quartz Binder/Filler 100%
0159797-009 6B	SERVER ROOM	Knockdown Texture/ Paint, Beige/White	No	None Detected	Carbonates Mica Perlite Quartz Binder/Filler 100%
0159797-010 6C	SERVER ROOM	Knockdown Texture, Beige/White	No	None Detected	Cellulose Fiber 3% Carbonates Gypsum Quartz Mica Binder/Filler 97%



EMC LABS, INC.

Laboratory Report
0159797

9830 S. 51st Street, Suite B109, Phoenix, AZ 85044
Phone: 800-362-3373 or 480-940-5294 - Fax: (480) 893-1726

Bulk Asbestos Analysis by Polarized Light Microscopy

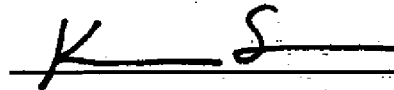
NVLAP#101926-0

Client:	M3 ENVIRONMENTAL CONS.	Job# / P.O. #:	15398.0 - T1	DPW14021A
Address:	9821 BLUE LARKSPUR LN, STE 100	Date Received:	08/28/2015	
	MONTEREY CA 93940	Date Analyzed:	08/31/2015	
Collected:	08/27/2015	Date Reported:	08/31/2015	
Project Name:	CITY OF MONTEREY-POM 343-	EPA Method:	EPA 600/R-93/116	
Address:	SERVER ROOM-LTD ACM/PB	Submitted By:	ALEX SUPERKO	
		Collected By:		

Lab ID	Sample	Layer Name /	Asbestos	Asbestos Type	Non-Asbestos
Client ID	Location	Sample Description	Detected	(%)	Constituents



Analyst - Kurt Kettler



Signatory - Lab Manager - Ken Scheske

Distinctly stratified, easily separable layers of samples are analyzed as subsamples of the whole and are reported separately for each discernible layer. All analyses are derived from calibrated visual estimates and measured in area percent unless otherwise noted. The report applies to the standards or procedures identified and to the sample(s) tested. The test results are not necessarily indicative or representative of the qualities of the lot from which the sample was taken or of apparently identical or similar products, nor do they represent an ongoing quality assurance program unless so noted. These reports are for the exclusive use of the addressed client and that they will not be reproduced wholly or in part for advertising or other purposes over our signature or in connection with our name without special written permission. The report shall not be reproduced except in full, without written approval by our laboratory. The samples not destroyed in testing are retained a maximum of thirty days. The laboratory measurement of uncertainty for the test method is approximately less than 1 by area percent. Accredited by the National Institute of Standards and Technology, Voluntary Laboratory Accreditation Program for selected test method for asbestos. The accreditation or any reports generated by the laboratory in no way constitutes or implies product certification, approval, or endorsement by the National Institute of Standards and Technology. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. Polarized Light Microscopy may not be consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials.

CHAIN OF CUSTODY
 EMC Labs, Inc.
 9830 S. 51ST St., Ste B-109
 Phoenix, AZ 85044
 (800) 362-3373 Fax (480) 893-1726

LAB#: 159797
 TAT: 1 day
 AUG 20 P.M.
 Rec'd:

COMPANY NAME: M3 Environmental Cons.
9821 Blue Larkspur Ln, Ste 100
Monterey, CA 93940
 CONTACT: Alex Superko
 Phone/Fax: (831) 917-0797 / (831) 649-4623
 Email: Alex@m3environmental.com

BILL TO: _____
 (If Different Location)

Now Accepting: **VISA - MASTERCARD** Price Quoted: \$ _____ / Sample \$ _____ / Layers

COMPLETE ITEMS 1-4: (Failure to complete any items may cause a delay in processing or analyzing your samples)

1. **TURNAROUND TIME:** [4hr rush] [8hr rush] (1-Day) [2-Day] [3-Day] [5-Day] [6-10 Day]

Prior confirmation of turnaround time is required
 Additional charges for rush analysis (please call marketing department for pricing details)
 Laboratory analysis may be subject to delay if credit terms are not met

2. **TYPE OF ANALYSIS:** [Bulk-PCM] [Air-PCM] [Lead] [Point Count] [Fungi: AOC, W-C, Bulk, Swab, Tape]

3. **DISPOSAL INSTRUCTIONS:** [Dispose of samples at EMC] / [Return samples to me at my expense]
 (If you do not indicate preference, EMC will dispose of samples 60 days from analysis.)

4. **Project Name:** City of Monterey - POM 343 - Server Room - Ltd. ACM/Pb

P.O. Number: DPW14021A

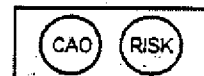
Project Number: 15398.0 - T1

EMC SAMPLE #	CLIENT SAMPLE #	DATE & TIME SAMPLED	LOCATION/MATERIAL TYPE	Samples Accepted Yes / No	AIR SAMPLE INFO / COMMENTS		
					ON	OFF	FLOW RATE
1	1A	8/27/15		Y			
5	S			Y			
10	M3			Y			
				Y			
				Y			
				Y			
				Y			
				Y			
				Y			
				Y			
				Y			
				Y			
				Y			

SPECIAL INSTRUCTIONS:

Sample Collector: (Print) Alex Superko (Signature) Alex Superko
 Relinquished by: [Signature] Date/Time: 8/27/15 Received by: [Signature] Date/Time: 8/28/15
 Relinquished by: [Signature] Date/Time: 8/28/15 Received by: [Signature] Date/Time: 8/28/15
 Relinquished by: _____ Date/Time: _____ Received by: _____ Date/Time: _____

** In the event of any dispute between the above parties for these services or otherwise, parties agree that jurisdiction and venue will be in Phoenix, Arizona and prevailing party will be entitled to attorney's fees and court costs.





Asbestos Bulk Sampling Log

Agreement #: Ag-5112-Page 102 of 237

Client: City of Monterey
 Project Name: CEMP6
 Site Address: POM
 Building: 343
 Project No.: 15399.0-71

Sample Date: 8/27/15
 Inspector: Alex Superko
 CAC No.: _____
 SST No.: 13-5062

WO: DPW 14021A

Sample No.	Building / Floor	Area No.	Area Name	Material Description	Estimated Quantity				Notes
						SF	LF	EA	
1			Server Room	2 x 4 ACP w/ pins & fissures					
2				WB/JC no texture					
3				WB/JC under bumpy texture					
4				bumpy texture over WB/JC					
5									
6									
7				WB/JC under knockdown texture					
8				knock down texture over WB/JC					
9									
10									

9 CAO
10 RISK

15399

CHAIN OF CUSTODY

EMC Labs, Inc.
 9830 S. 51ST St., Ste B-109
 Phoenix, AZ 85044
 (800) 362-3373 Fax (480) 893-1726

LAB#:	152870
TAT:	1-Day
Rec'd:	8/28/15

COMPANY NAME: M3 Environmental Cons.
9821 Blue Larkspur Ln, Ste 100
Monterey, CA 93940
 CONTACT: Alex Superko
 Phone/1st 2nd: (831) 917-0797 / (831) 649-4623
 Email: Alex@m3environmental.com

BILL TO: _____
 (If Different Location)

Now Accepting: **VISA - MASTERCARD** Price Quoted: \$ _____ / Sample \$ _____ / Layers

COMPLETE ITEMS 1-4: (Failure to complete any items may cause a delay in processing or analyzing your samples)

1. **TURNAROUND TIME:** [4hr rush] [8hr rush] [1-Day] [2-Day] [3-Day] [5-Day] [6-10 Day]

****Prior confirmation of turnaround time is required****

****Additional charges for rush analysis (please call marketing department for pricing details)****

****Laboratory analysis may be subject to delay if credit terms are not met****

2. **TYPE OF ANALYSIS:** [Bulk-PLM] [Air-PCM] [Lead] [Point Count] [Fungi: AOC, W-C, Bulk, Swab, Tape]

3. **DISPOSAL INSTRUCTIONS:** [Dispose of samples at EMC] / [Return samples to me at my expense]
 (If you do not indicate preference, EMC will dispose of samples 90 days from analysis.)

4. **Project Name:** City of Monterey - POM 343 - Server Room - Ltd. ACM/Pb

P.O. Number: DPW14021A

Project Number: 15398.0 - T1

EMC SAMPLE #	CLIENT SAMPLE #	DATE & TIME SAMPLED	LOCATION/MATERIAL TYPE	Samples Accepted Yes / No	AIR SAMPLE INFO / COMMENTS		
					ON	OFF	FLOW RATE
				Y N			
				Y N			
				Y N			
				Y N			
1	L1	8/28/15		Y N			
				Y N			
				Y N			
				Y N			
				Y N			
				Y N			
				Y N			
				Y N			
				Y N			
				Y N			

SPECIAL INSTRUCTIONS:

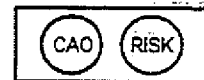
Sample Collector: (Print) Alex Superko

Relinquished by: [Signature] Date/Time: 8/27/15 Received by: [Signature] Date/Time: 8/28/15

Relinquished by: [Signature] Date/Time: 8/28/15 Received by: [Signature] Date/Time: 8/28/15

Relinquished by: _____ Date/Time: _____ Received by: _____ Date/Time: _____

** In the event of any dispute between the above parties for these services or otherwise, parties agree that jurisdiction and venue will be in Phoenix, Arizona and prevailing party will be entitled to attorney's fees and court costs.





Lead Bulk Sampling Log

56870

Client: City of Monterey
 Project Name: AEYH/P6
 Site Address: POM
 Building: 343
 Project No.: 15318.0 TJ

Sample Date: 8/27/15
 Inspector: Alex Superko
 ODPH No.: 25105

DPW 14021A

Sample No.	Color	Substrate	Building Component	Sample Location (Interior/exterior)	Notes/Result
1	off-white	WDJK	Wall	Senior room	

CAO
RISK



9830 South 51st Street, Suite B-109 / PHOENIX, ARIZONA 85044 / 480-940-5294 or 800-362-3373 / FAX 480-893-1726
emclab@emclabs.com

LEAD (Pb) IN PAINT CHIP SAMPLES
EMC SOP METHOD #L01/1 EPA SW-846 METHOD 7420

EMC LAB #: L56870		DATE RECEIVED: 08/26/15			
CLIENT: M3 Environmental Consulting		REPORT DATE: 08/31/15			
		DATE OF ANALYSIS: 08/31/15			
CLIENT ADDRESS: 9821 Blue Larkspur Lane, Suite 100 Monterey, CA 93940		P.O. NO.: DPW14021A			
PROJECT NAME: City of Monterey - POM 343 - Server Room - Ltd. ACM/Pb		PROJECT NO.: 15398.0 - T1			
EMC # L56870-	SAMPLE DATE /15	CLIENT SAMPLE #	DESCRIPTION	REPORTING LIMIT (%Pb by weight)	%Pb BY WEIGHT
1	08/27	L1	Off-White/ WB/JC / Wall/ Server Room	0.010	0.010

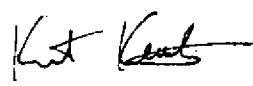
^ = Dilution Factor Changed * = Excessive Substrate May Bias Sample Results BRL = Below Reportable Limits # = Very Small Amount Of Sample Submitted, May Affect Result

This report applies to the standards or procedures identified and to the samples tested only. The test results are not necessarily indicative or representative of the qualities of the lot from which the sample was taken or of apparently identical or similar products, nor do they represent an ongoing quality assurance program unless so noted. Unless otherwise noted, all quality control analyses for the samples noted above were within acceptable limits.

Where it is noted that a sample with excessive substrate was submitted for laboratory analysis, such analysis may be biased. The lead content of such sample may, in actuality, be greater than reported. EMC makes no warranty, express or implied, as to the accuracy of the analysis of samples noted to have been submitted with excessive substrate. Resampling is recommended in such situations to verify original laboratory results.

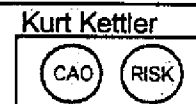
These reports are for the exclusive use of the addressed client and are rendered upon the condition that they will not be reproduced wholly or in part for advertising or other purposes over our signature or in connection with our name without special written permission. Samples not destroyed in testing are retained a maximum of sixty (60) days.

ANALYST: 
Jason Thompson

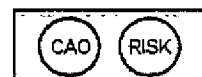
QA COORDINATOR: 
Kurt Kettler

Rev. 11/30/08

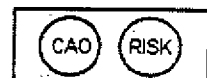
Agreement #: Ag-5112 - Page 105 of 237



APPENDIX G
ENVIRONMENTAL REVIEW CHECKLIST



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ENVIRONMENTAL REVIEW CHECKLIST

Environmental Document Control Number:
00000000000000000000

INSTRUCTIONS: Sections I & II to be completed by Proponent. Section III to be completed by Environmental Division. Continue on separate sheets as necessary. Reference appropriate item number(s).

SECTION I - PROPONENT INFORMATION

1. TO (USAG and Environmental Division Address) Environmental Division Directorate of Public Works Presidio of Monterey, CA 93933	2. FROM (Proponent Organization) Operations & Maintenance Division Directorate of Public Works, POM	2a. TELEPHONE NO. (Include Alternate POC) (831) 242-7779 ATTN: Tony Barcinas
--	---	--

3. TITLE OF PROPOSED ACTION/PROJECT (Include Project or DPW Work Order Number)
Perform Mechanical Repairs and Upgrades to Existing HVAC Systems and Associated Components at Pre-Selected Facilities on POM and OMC - Project No: DPW-14021.

4. DESCRIPTION, PURPOSE AND NEED FOR ACTION (Identify decision to be made and need date)

2. Scope of Work:

2.1 Hazardous Material:

2.1.0 Asbestos-Containing Material (Attic): If any testing included in the approved Environmental Protection Plan specifies that work will disturb asbestos containing material, contractor shall perform asbestos abatement with a certified remover and in compliance with local asbestos removal regulations.

2.1.1 Lead-Based Paint: Contractor shall test any painted materials that will be disturbed for lead-based paint (or assume painted materials that will be disturbed contain lead-based paint and mitigate in accordance with local practices.)

2.2 Base Bid Task #1 - DDC Retrofit of Dual Duct System in Building 4399: Replace pneumatic control system and install VAV terminal units, fan VFDs, and new DDC controllers per ASHRAE 135 - 2010. Perform spot repairs on failed or failing HVAC components and implement new HVAC sequences of operation optimized for energy efficiency.

2.2.0 Removal of Existing System Components:

2.2.0.1 Humidifiers: Contractor shall remove terminal humidifier equipment from the distribution system. Alternatively, contractor may abandon this equipment in place provided that water connections to the humidifiers are removed/capped, pressure drops across the entire humidifier assembly are field tested during commissioning at less than 0.05" wc at full design cfm, and TAB air-side rebalancing is not affected. Remove room humidistat devices from the wall and replace with flat-plate covers.

2.2.0.2 Pneumatic Tubing: Remove main and control pneumatic tubing around terminal equipment during dual duct box retrofits. Main air distribution tubing may be abandoned in place provided that above ceiling areas are free and clear from abandoned tubing for ease of VAV box/controller and lighting fixture maintenance.

2.2.0.3 Air Compressor: Empty the mechanical room air compressor tank and disconnect power and main air tubing once all pneumatic control has been removed. Plug all tubing ports and place oil drain pans under compressors to abandon in place. Alternatively, air compressor can be removed/salvaged at no cost to the government and as approved in the Environmental Protection Plan.

2.2.1 Zone Retrofits:

2.2.1.0 Conversion: Contractor shall convert pneumatic constant volume dual duct boxes to DDC variable air volume pressure-independent boxes by replacing single pneumatic actuator inlet control with independent electronic hot/cold inlet control at each terminal box. Contractor shall be responsible for modifying duct connections and replacing dual duct boxes as necessary in order to provide a complete and functional system meeting all TAB and commissioning requirements.

2.2.1.1 Controllers: Remove all pneumatic control terminal devices and replace with new DDC controllers. Controllers shall be capable of and configured to meet the new sequence of operation and installed per manufacturer's requirements using new pressure sensors.

2.2.1.2 Thermostats: Replace pneumatic zone thermostats with new DDC thermostats compatible with box controllers. Thermostat connections shall be made behind the wall; wall-mounted wire mold shall not be considered acceptable. New thermostats shall be in installed with the following features:

1. Separate heating and cooling set points
2. Independent ranges of occupant control for heating and cooling set points
3. Adjustable differential
4. On/off selector

2.2.1.3 Flow Corrections: Evaluate existing zone heating, cooling, and minimum ventilation air values for each zone and make corrections as necessary. Minimum air flows shall be established at the cold air inlet and plant AHU and min air cfm values shall be updated/corrected as necessary using ASHRAE 62.1 - 2010 rules of thumb.

2.2.1.4 Occupancy Sensors: Install one occupancy sensor for each side of the two center classroom areas that are served by two terminal boxes each. Connect the occupancy sensor to the corresponding terminal box controllers and configure the signal as a delayed occupancy enable for occupied cfm and temperature set points.

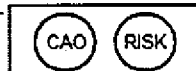
2.2.2 Plant Actuators:

2.2.2.0 Economizer Dampers: Contractor may reuse economizer dampers and electronic damper actuators provided that new or existing dampers when closed utilize gaskets to make a firm seal and actuators accomplish full range in under 60 seconds.

2.2.2.1 Valves: Contractor may reuse valves and electronic valve actuators provided that new or existing valves are field tested to verify full closure and full gpm conditions and actuators accomplish full range in under 60 seconds.

2.2.3 Variable Frequency Drives: Reuse the supply fan VFD and install one new return fan VFD for supply air flow modulation with return CFM matching. Replace the return fan motor with a premium efficiency "inverter-ready" or "inverter-friendly" motor with VFD-specific bearing protection rings and Class H insulation systems meeting NEMA MG1 Part 31.4.4.2. All motor systems shall use non-synchronous cogged belts.

2.2.3.0 Drive Selection: VFDs shall have automatic restart capabilities after fault, a 3-60 Hz output range, and an adjustable 1-60 second acceleration/deceleration time. VFDs shall have adjustable carrier frequencies and the ability to program at least three jump frequencies in order to eliminate resonance-based noises.



2.2.3.1 Drive Efficiency: VFDs shall have an efficiency of no less than 96% at all speeds between 50-100% (manufacturer's data must confirm part load efficiencies at various output frequencies). Drives shall be equipped with and programmed to enter a bypass mode at high output frequencies to transfer supply power directly to the motor and remove drive losses during peak conditions (e.g., when in economizing mode for air handler fan motors).

2.2.3.2 Drive Sizing: VFDs shall be sized for 120% of the load for one minute at maximum ambient temperature (variable torque standard). VFD shall be balanced to output 55-60 Hz under design conditions and 0 Hz when the motor is commanded off (performance shall be verified at maximum and minimum operating points).

2.2.3.3 Drive Installation: Leads between the motor and VFD shall not be longer than 40 feet to minimize harmonic interference.

2.2.3.4 Drive Operation: The following operator control shall be provided: manual speed potentiometer, hand-off-auto switch, power on light, drive run power light, and local display. Within 5 feet of the drive, a removable VFD operations manual shall be mounted. DDC interface cards are not required for VFDs; only speed command points are required from HVAC controllers to VFDs.

2.2.4 Air Handler Repairs:

2.2.4.0 Outside Air Duct Repairs: Repair the flexible duct fitting leak at the air handler outside air inlet in the mechanical room to meet applicable sections of SMACNA HVAC Air Duct Leakage Test Manual - 2012.

2.2.4.1 Filter Removals: Remove AHU final/bag filters (F-2) originally designed for dental clinic operation. Replace pre-filters with high-efficiency pleated MERV 8 filters.

2.2.5 Additional Mechanical Room Repairs:

2.2.5.0 Pipe Insulation: Repair damaged or missing above ground hydronic pipe insulation in the mechanical room and adjacent to the air-cooled chiller by installing new ASHRAE 90.1 - 2010 levels of insulation and jackets as necessary.

2.2.5.1 Equipment Tuning: Evaluate recent (within 5 months) or new maintenance inspections/schedules to identify opportunities such as boiler tuning to minimum excess oxygen and chiller refrigerant recharge.

2.2.5.2 Control Sensors: Provide new sensors as necessary to meet the new sequence of operations. Temperature sensors shall have a tolerance of +/- 1.0F at reference temperature and pressure sensing assemblies shall have an accuracy of less than +/- 2% of full scale. All instrumentation shall utilize 2-wire loop-powered devices for a linear 4-20mA or 0-10V output. AHU pressure sensors driving VFD speed may be reused so long as new or reused sensors are located at least 2/3 of the way down the main duct length for both hot and cold supply ducts.

2.2.6 Plant Controls:

2.2.6.0 Field/Plant Controllers: Contractor shall provide a single standalone DDC controller for plant equipment with I/O hardware modules as necessary to provide sufficient memory for the new control sequence of operation and points schedule. Remove existing DDC controllers and related cabinet devices and reuse existing cabinet space with a backup battery supply that will maintain controller functionality for up to 72 hours in the event of a blackout. The controller shall include an LCD display integrated into the field controller to act as a Local Display Panel (LDP) for point monitoring and manipulation as described in the point schedule.

2.2.6.1 Supervisory Controller: Install a single supervisory controller connected to the DDC network that will house the Measurement and Control (M&C) graphics and allow for user interface via Ethernet cable to laptop browser. Memory shall be sufficient to allow trending of points schedule objects for 1 month at indicated intervals. Any Bluetooth devices required to allow laptop pass-through to field devices shall be supplied by contractor.

2.2.6.2 Laptop Interface: Purchase one new laptop from the GSA Schedule List that meets performance minimums required by operating system, installed application, and BAS measurement and control system. Operating system shall be Windows 7. Contractor shall purchase and install Microsoft Excel and Microsoft Word as individual Microsoft Office programs. Any software required for the management of the control network to include but not limited to programming or configuring network controllers, editing DDC graphics pages, and perform database backup or communication troubleshooting shall be purchased, installed, and licensed by the contractor for the Army.

2.2.6.3 Graphics: Provide individual pages of graphics for each plant system (air handler, chiller, boiler + pump), terminal zone, and as many floor plans as necessary for legible text. Each page shall include text narrative or a link to text narrative detailing the corresponding sequence of operation. Additional pages shall be included as necessary to modify schedules, perform trending, setup/display alarms, access programming, and display live point values.

2.2.6.4 Point Schedule: DDC points, device object names, and room numbers shall have clear, unique, and consistent naming/numbering conventions that match as-built equipment schedules and floor plans. The following tables identify minimum requirements for point types and uses. Settings and ranges labeled as "(Design)" represent values the contractor is responsible for providing.

2.2.6.5 Sequences of Operation: Contractor shall implement optimized HVAC sequences of operation to include the following:

1. Zones: VAV Boxes shall individually modulate (PI) inlet dampers to meet the appropriate heating and cooling set points adjusted for limited occupant control. For zones being retrofitted with box-enabling occupancy sensors, flow will go to zero and zone temperature set points will defer to unoccupied values after the preset delay. Zone alarms are for informational purposes only.
2. Air Handler: Each scheduled day, the air handler will enter an optimized warm-up mode by automatically evaluating either outside air or a critical building zone and adjusting start times as necessary to reach occupied set points by the start of the scheduled day. Exhaust, outside, and minimum air dampers shall remain closed when in warm-up, unoccupied mode, or alarm.
During occupied mode minimum air dampers shall open and exhaust, return, and outside air dampers shall modulate (PI) to maintain mixed air set point as an integrated economizer cycle. Mixed air set point shall be reset (P or PI) based on outside air temperature such that cold mornings utilize more return air. Economizing mode shall be disabled when outside air is above return air temperature or below economizer low limit set point.
Supply fan VFD shall modulate (PI) to maintain the greater of either hot or cold supply duct static pressure set points. Each supply duct static pressure set point shall be independently reset (PI) based on the most open zone inlet damper. Return fan VFD shall modulate (PI) to maintain the return fan flow difference set point.
Heating coil control valve shall modulate (PI) to maintain hot duct supply air temperature set point. Hot duct supply air temperature set point shall be reset (PI) based on the critical zone heating load. Cooling coil control valve shall modulate (PI) to maintain cold duct supply air temperature set point. Cold duct supply air temperature set point shall be reset (PI) based on the critical zone cooling load. Control valves shall be commanded to 0% open when unoccupied.
Air handler alarms (with delay for status alarms) shall disable the fans and require a manual push button restart (latch) mounted on the air handler or in/on the controls cabinet.
3. Boiler: Boiler pump shall turn on when a heating request is made and after:

delay. A heating request is interpreted as the heating coil control valve being commanded open by more than 5% and outside air temperature below lockout set point. Boiler pump shall turn off when the heating request has been satisfied and after the preset boiler pump delay.

Boiler shall turn on with a heating request and proof of pump status to maintain hot water supply temperature set point. Hot water supply temperature set point shall be reset (PI) based on heating coil control valve position.

4. Chiller: Chiller pump shall turn on when a cooling request is made and after the preset chiller pump delay. A cooling request is interpreted as the cooling coil control valve being commanded open by more than 5% and outside air temperature above lockout set point. Chiller pump shall turn off when the cooling request has been satisfied and after the preset boiler pump delay. Chiller shall be disabled during warm-up mode.

Chiller shall turn on with a cooling request and proof of pump status to maintain chilled water supply temperature set point. Chilled water supply temperature set point shall be reset (PI) based on cooling coil control valve position.

2.2.7 QC Requirements: In addition to any existing or referenced quality control requirements, contractor shall perform weekly meetings or teleconferences with subcontractors and document progress reports. Contractor shall arrange for on-site inspections at least three times a week and will notify the government of any schedule changes or impacts to the building usage.

2.2.8 TAB/Commissioning and Training: Test and balance air systems to include zone boxes/diffusers, economizer, and air handler fans/supply using a firm certified for testing and balancing by the Associated Air Balance Council (AABC), National Environmental Balancing Bureau (NEBB), Testing Adjusting, and Balancing Bureau (TABB). Document hydronic system flows. Existing or new duct/box penetrations shall be sealed to the appropriate SMACNA duct class standard.

2.2.8.0 Commissioning shall verify all sequences of operation detailed in this document and otherwise required for system functionality. As part of or separate from commissioning, contractor shall perform minimum 5 consecutive day endurance testing using the new BAS to trend and document complete working functionality of the building systems. Any problems observed during endurance testing shall be repaired by the contractor; follow-up endurance testing shall be performed at the discretion of the government where sequence of operation has not been verified.

2.2.8.1 Results of this testing shall be used as the basis for 2-day (14hrs) on-site training for the equipment, systems, controls, and LDP/M&C capabilities. Contractor shall provide O&M manuals, printed agenda material, and plan for a maximum of 6 personnel. Training tasks shall include but are not limited to creation of schedules, setting up trends, adding points, replacing networked devices, troubleshooting errors, managing alarms, performing overrides, and using all software provided.

2.3 Base Bid Task #2, Replace AHU at Switch Building 343: Replace failing air conditioning system at switch building 343 with a properly sized and commissioned air handling unit with outdoor air economizer, redundant corrosion-resistant DX coils, and associated ductwork/controls improvements for more efficient and reliable IT equipment cooling)

2.3.0 Air Handling Unit Demolition:

2.3.0.1 Refrigerant: Recover all air handler refrigerants without release to the atmosphere prior to air handler removal and dispose in accordance with the Clean Air Act Amendment of 1990.

2.3.0.2 Compressors: A/C compressors containing oil-refrigerant mixture shall be treated as hazardous material and either disposed of by a licensed hazardous material hauler with manifest signed by DPW or turned in directly to the DPW Hazardous Material office (242-7933 or 242-7204, 48 business hours notice for each instance).

2.3.0.3 AHU: Existing air handler shall be removed from its pad-mounted location outside building 343 without disruption/interference to overhead electrical lines and in accordance with OSHA safety requirements. Existing connections (electrical, condensate, ductwork) shall be salvaged as necessary/practical in preparation for new air handler installation. Recycle/salvage or dispose of the existing air handling unit per the approved Environmental Protection Plan.

2.3.0.4 Down-time: Air handler replacement shall not cause any down time in switch or server equipment operation. Contractor shall take any necessary steps to provide temporary cooling to heat-generating equipment in building 343 in the event a prolonged absence of air handling unit operation. In the event an instantaneous shut-down of electrical power is necessary, contractor shall coordinate with DPW and local NEC for approval/scheduling.

2.3.1 Distribution Improvements:

2.3.1.0 Exterior:

1. Duct Reuse Conditions: Contractor may reuse exterior supply and return ductwork so long as ducts are cleaned to NADCA standard (create service opening in the system as necessary), insulated with 1.5" rigid insulation in accordance with ASTM C612 Class 2 (or alternative thickness as calculated per ASHRAE 90.1), and appropriately sealed (i.e. per SMACNA 1972 standards with weatherproof jacketing and no open plug holes). Any new duct shall be designed using ACCA Manual D and constructed, erected, and tested in accordance with SMACNA standards.

2. Smoke Damper Reuse Conditions: Contractor may reuse supply and return smoke dampers; if new smoke dampers are installed contractor shall provide equivalent rating and functionality (or in accordance with appropriate class rating of UL 555). Final operation of reused or new smoke dampers must be proven during commissioning and accepted by local NEC prior to project close-out. Prior to existing air handler removal, contractor shall block off supply and return air paths until new air handler and smoke dampers become operational.

2.3.1.1 Interior:

1. Existing Flex Duct: Contractor shall inspect existing interior ductwork for hangers or tight turns without the use of metal elbows causing pinched flex duct and repair accordingly. Reuse of existing flex duct to accommodate the moving of diffusers and grills is permitted.

2. Existing Supply Diffusers: Contractor shall relocate supply diffusers as necessary to improve cooling airflow to main heat generating equipment (see attached layout with recommended changes).

3. Additional Return Grills: Contractor shall install additional return grills as necessary to facilitate purposeful air movement across and limit the mixing of room air at the inlet of communications equipment (see attached layout with recommended changes).

4. Rebalance: Contractor shall adjust supply air CFM to ceiling diffusers to ensure that design cooling air is supplied appropriately to various communications equipment and that minimum ventilation exists in low-speed fan mode.

5. Ceiling Tiles: Contractor shall replace any ceiling tiles damaged during construction.

6. Envelope Repair: Perform spot repairs to the space/building envelope for improved cooling operations.

2.3.2 New Air Handling Unit:

2.3.2.0 Sizing:

1. Cooling Load: Calculate required air handling cooling coil Btuh rating given existing equipment, building wood-frame construction, 2 office worker occupants, exfiltration expectations, 24/7 operation, Monterey climate, and the air handler type and control sequences specified below.
2. Heating load: No heating load exists for switch building 344.
3. Air flow: Calculate and balance air handling economizer for minimum ventilation air to accommodate outside air rate of .06 CFM/SF and 5 CFM/PN served per ASHRAE 62.1 during occupied hours (0745 -1645 hrs M-F).

2.3.2.1 Type:

1. Model: Contractor shall install a single-zone blow-through air handling unit that includes high-low fan (modulating acceptable), coils, filters, access panels, vibration isolators, integrated economizer, and airtight insulated casing conforming to ASTM A167 and rated in accordance with AHRI 430 certified for cooling.
2. Refrigeration: No R-22 refrigerant or other Montreal Protocol phase-out material shall be permitted.
3. Redundancy: Provide partial cooling redundancy by specifying independently controlled cooling coils each designed to meet at least 85% of peak load.
4. Economizing: Provide air handling unit with corrosion-resistant motorized economizer dampers to facilitate staging from minimum ventilation air to 100% outdoor air economizing. Dampers must be accessible for scheduled maintenance.
5. Filtration: Provide accessible/removable pleated air filters of no less than MERV 6 and no greater than MERV 8 as determined by ASHRAE 52.2.
6. Coil Protection: Provide factory-applied corrosion-resistant coating (i.e. e-coating) for all air handler condenser and evaporator coil surfaces to protect against coastal climate damage. Finish or coating system shall not reduce equipment performance rating. Provide factory-installed anti-short cycling protection for the AHU.
7. Efficiency: Provide air handling unit with EER of 11.7 (IEER of 11.8) or greater to meet federal requirements for purchasing of FEMP-designated equipment.

2.3.2.2 Installation:

1. Location: New air handling unit shall be installed on the existing air handling unit's concrete pad and mounted using anchor bolts and per the new unit manufacturer's instructions.
2. Orientation: Contractor shall be responsible for new air handling unit orientation given that manufacturer's spacing requirements are met and downtime is minimized.
3. Protection: Contractor shall provide additional protection of air handling unit coils by covering nearby grass area with a layer of non-landscaping material (i.e. gravel) and adding a physical separation (i.e. railroad tie) at least five feet from the coils to eliminate the possibility of coil damage from edge trimmer activities. Coil guards are optional.

2.3.2.3 Connections:

1. Natural gas: No natural gas heat exchanger or piping connections shall be provided for the new air handling unit.
2. Condensate: Condensate PVC drain line may be reused provided that the finished condensate system is piped and trapped per applicable mechanical code.
3. Wiring: Contractor shall ensure power requirements are met for the air handler in compliance with NFPA 70 (National Electric Code).

2.3.2.4 Controls:

1. Signage: Adhere or otherwise fasten the following message directly onto the inside of the switch room's exterior door as well as to the inside of the door connecting the switch room to the unoccupied South half of the building: "PLEASE KEEP DOORS CLOSED AT ALL TIMES TO MAINTAIN PROPER OPERATION OF COOLING EQUIPMENT."

2. Thermostat:

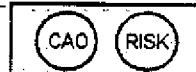
- a. Type: Replacement thermostat shall be digital temperature/set point display, non-programmable type with +/- 2F override functionality, differential settings, manual ON/OFF capability, and relative humidity display (or separate unit with this functionality).
- b. Location: New thermostat shall be fastened to a new wire-mold power pole (i.e. Tele-Power or equivalent) that shall be mounted next to the inlet of the critical load and anchored above the suspended ceiling according to power pole manufacturer's instructions.

2.3.2.5 Sequence of Operation:

1. Scheduling: Air handling unit shall operate as necessary to maintain temperature set point for the 24/7-ran switch room.
2. Temperature Set Point: New thermostat shall be set to maintain no more than 72F at the .mil server (critical load) inlet with a 2F differential, ASHRAE TC 9.9 2011 Thermal Guidelines for Data Processing Environments recommends as high as 89F for inlet enterprise IT equipment; however, slightly higher failure rates above 77F and technical literature from Dell and IBM on recommended data center operations suggests a more conservative setpoint.
3. Staging (recommended values):

Condition	A/C Compressor	Economizer
Fan Mode		
SA* < 42 (DB)	0%	
Off		Off
42F < SA* < 52F (DB)	min to 100% PI	Low
Off		
SA* > 52F (DB)	100%	
High	Off	
SA* > 74F (DB)	100%	
High	Cycle as necessary	
OA > RA (DB)	min CFM	
High	Cycle as necessary	
SA* > 80F (DB)	any mode	High
	Engage secondary	

*SA refers to thermostat dry bulb temperature as measured at the inlet of the critical server including 2F differential



2.4 Base Bid Task #3: Replace Student Lab AHU at Building 624. Replace failing air handling unit at building 624 with a properly sized and commissioned air handling unit with outdoor air economizer, natural gas heating, and corrosion-resistant DX coils to provide for space conditioning of the student lab room.

2.4.0 Air Handling Unit Demolition:

2.4.0.1 Refrigerant: Recover all air handler refrigerants without release to the atmosphere prior to air handler removal and dispose in accordance with the Clean Air Act Amendment of 1990.

2.4.0.2 Compressors: A/C compressors containing oil-refrigerant mixture shall be treated as hazardous material and either disposed of by a licensed hazardous material hauler with manifest signed by DPW or turned in directly to the DPW Hazardous Material office (242-7933) or 242-7204, 48 business hours notice for each instance.

2.4.0.3 AHU: Existing air handler shall be removed from its pad-mounted location outside building 624's southern side without disruption/interference to surrounding areas and in accordance with OSHA safety requirements. Existing connections (electrical, condensate, ductwork) shall be salvaged as necessary/practical in preparation for new air handler installation. Recycle/salvage or dispose of the existing air handling unit per the approved Environmental Protection Plan.

2.4.0.4 Down-time: Contractor shall coordinate with DPW for approval/scheduling of air handler removal 72 hours prior to loss of space conditioning, blockage of the nearby exterior doorway, or noise disturbances to allow for notification of building management and student population. Total downtime shall not exceed 48 hrs.

2.4.1 Distribution Improvements

2.4.1.0 Interior: Not in Scope.

2.4.1.1 Duct Reuse Conditions: Contractor may reuse exterior supply and return ductwork so long as ducts are cleaned to NADCA standard (create service opening in the system as necessary), insulated with 1.5" exterior rigid insulation and appropriately sealed (i.e. per SMACNA 1972 standards with weatherproof jacketing and no open plug holes). Interior: No interior work necessary as part of this scope.

2.4.2 New Air Handling Unit:

2.4.2.0 Sizing:

1. Cooling Load: Provide AHU with cooling coil with 3 tons of nominal capacity, 2,000 cfm of supply air, and integrated economizing functionality.

2. Heating load: Provide AHU with indirect gas-fired heat exchanger rated for 60,000 Btuh of output heating at 1,000 cfm of supply air 2 stages of heat.

3. Air flow: Minimum ventilation during occupied hours shall be 500 cfm of outside air.

2.4.2.1 Type:

1. Model: Contractor shall install a single-zone blow-through (side) air handling unit that includes high-low fan (modulating acceptable), coils, filters, access panels, vibration isolators, integrated economizer, and airtight insulated casing conforming to ASTM A167 and rated in accordance with AHRI 430 certified for cooling.

2. Refrigeration: No R-22 refrigerant or other Montreal Protocol phase-out material shall be permitted.

3. Economizing: Provide air handling unit with corrosion-resistant motorized economizer dampers to facilitate staging from minimum ventilation air to 100% outdoor air economizing. Dampers must be accessible for scheduled maintenance. Economizer to close fully on loss of power.

4. Filtration: Provide accessible/removable pleated air filters of no less than MERV 6 and no greater than MERV 8 as determined by ASHRAE 52.2.

5. Protection: Provide factory-applied corrosion-resistant coating (i.e. e-coating) for all air handler condenser and evaporator coil surfaces to protect against coastal climate damage. Finish or coating system shall not reduce equipment thermal performance rating greater than 2%. Provide condenser coil guard from manufacturer's option list. Provide factory-installed anti-short cycling protection for the AHU.

6. Efficiency: Provide air handling unit with a SEER of 14.0 or EER of 11.0 or greater to meet federal requirements for purchasing of FEMP-designated equipment.

2.4.2.2 Installation:

1. Location: New air handling unit shall be installed on the existing air handling unit's concrete pad and mounted using anchor bolts and per the new unit manufacturer's instructions.

2. Orientation: Contractor shall be responsible for new air handling unit orientation given that manufacturer's spacing requirements are met and downtime is minimized.

3. Connections:

a. Natural gas: Reuse natural gas isolation valve and all and upstream/underground distribution. Make final connection with rigid metallic pipe and fittings and to manufacturer's instructions.

b. Condensate: Reuse condensate line may provide the AHU is drained and trapped per the manufacturer's instructions and the contractor can show no signs of dripping onto building interior/exterior.

c. Wiring: Reuse power connections (1 Ph 208/230V), replace breaker fuse if necessary to meet manufacturer's criteria and National Electric Code sizing requirements.

2.4.2.3 Controls:

1. Signage: Adhere or otherwise permanently fasten the following message directly onto the inside of the switch room's exterior door as well as to the inside of the door connecting the switch room to the unoccupied South half of the building: "PLEASE KEEP DOORS CLOSED AND WINDOWS CLOSED WHEN HEATING/COOLING. SETPOINTS ARE 68F HEATING AND 76F COOLING". Final content to be approved by Presidio Energy Manager (831-242-7508) prior to signage placement.

2. Thermostat:

a. Type: Provide a smart thermostat with schedule tuning capabilities, limited occupant set point range, and integrated motion detection. In the event that AHU wiring type does not support smart thermostat a retrofit, replacement thermostat shall be digital temperature/set point display, 7-day programmable type with +/- 2F override functionality, separate heat and cool set points, differential settings, and manual ON/OFF capability.

b. Location: Reuse existing thermostat location and wiring located in the building space.

2.4.2.4 Sequence of Operation:

1. Scheduling: Air handling unit shall operate as necessary to maintain temperature set point for the sequence provided below.
2. Temperature Set Point: New air handling unit shall control to a space temperature of 76F (adjustable) when cooling and 68F (adjustable) when heating.
3. Sequence of Operation: When heating, AHU shall enter min cfm and low fan speed modes. When cooling, AHU shall enter full economizer mode and cycle compressor on as necessary to meet coil discharge temperatures. When within the temperature dead band, provide minimum cfm only at low fan speed. Hours of operation are 7:30am-3pm M-F.

2.5 Option Bid Task #1: VFD Retrofit of AHU Fan Controls at Building 4283. Repair air handler supply fan at building 4283 by replacing faulty inlet vane technology with variable speed drives for modulating control. All work shall take place in the mechanical room and shall include mounting and wiring two VFD, replacing two motors, and commissioning the controls for proper sequence of operation.

2.5.0 Sizing:

2.5.0.1 Heating: NA

2.5.0.2 Cooling: NA

2.5.0.3 Fans: Existing AHU supply and return fans are 3 phase 200V rated for 10.5 and 5.0 max brake HP, respectively, using Marathon Electric non-inverter motors. Both fans require VFDs (return fan is flow matching) and new motors that are listed by manufacturers as "inverter-ready" or "inverter-friendly" with VFD-specific bearing protection rings and Class H insulation systems meeting NEMA MG1 Part 31.4.4.2.

2.5.1 VFD/Motor Type:

2.5.1.0 Model: Contractor shall provide new variable frequency drive on the main AHU fans sized for the fan load that have automatic restart capabilities after fault, a 3-60 Hz output range, and an adjustable 1-60 second acceleration/deceleration time. VFDs shall have adjustable carrier frequencies and the ability to program at least three jump frequencies in order to eliminate resonance-based noises.

2.5.1.1 Efficiency: New motors shall be NEMA premium efficiency. VFDs shall have an efficiency of no less than 96% at all speeds between 50-100% (manufacturer's data must confirm part load efficiencies at various output frequencies). Drives shall be equipped with and programmed to enter a bypass mode at high output frequencies to transfer supply power directly to the motor and remove drive losses during peak conditions.

2.5.1.2 Safety: Equipment and installation shall conform to all applicable fire/electrical code for VFD/motor installation.

2.5.1.3 Location: Contractor shall be responsible for new VFD location and orientation given that manufacturer and National Electric Code requirements are met. Leads between the motor and VFD shall not be longer than 40 feet to minimize harmonic interference. Reuse motor housing and replace existing belts with non-synchronous cogged belts.

2.5.1.4 Connections: Contractor shall ensure power requirements are met for the new equipment in compliance with NFPA 70 (National Electric Code). Lock inlet vanes in the open position using fasteners on the actuator levers; bailing wire and other non-persistent methods of securing inlet vanes are not acceptable. Do not remove inlet cones.

2.5.2 VFD Controls:

2.5.2.0 Duct Static Sensor:

1. Type: Use existing main duct static pressure sensor.
2. Locations: NA

2.5.2.1 Controller:

1. Type: Use built-in manufacturer controls from the VFD so that no dedicated DDC field controller is necessary.
2. Interface: Provide transducers as necessary to translate pressure signals to the VFDs.

2.5.2.2 Sequence of Operation:

1. Scheduling: Use existing AHU schedule.
2. Set Points: Supply VFD shall modulate fan speed as necessary to maintain 1.5" wc in the main duct with 900 cfm of minimum air and at a max flow of 14,400 cfm as stated in the design documents.
3. Return Fan: Return fan shall maintain flow matching strategy of the supply fan.

2.6 Option Bid Task #2: Retrofit of AHU Fan Controls at Building 235. Perform energy conservation measures for main AHU in building 235 mechanical room that contains an oversized fan system for book warehouse areas.

2.6.0 Energy Measurements:

2.6.0.1 Through the most cost effective means of either sheave/motor downsizing or VFD installation, contractor shall reduce AHU fan speed to a fixed amount that the contractor calculates as necessary to serve the heating/ventilating needs of the existing zones using ASHRAE 62.1 - 2010 ventilation requirements and remove the furnace bypass throttling.

2.6.0.2 Utilize programmable controls to automatically set back zone temperature set point at night and weekends to an amount supported in ASHRAE documentation as appropriate for book warehouse purposes.

2.6.0.3 Install AHU controls that will keep the fan motor off during unoccupied periods unless a heating call is received.

2.6.0.4 Perform temperature trending on the economizer for a minimum 4 days to verify proper damper control and operation and use existing controls to repair as necessary.

2.6.0.5 Motor Requirements: If the fan motor is replaced, new motor shall be a squirrel-cage three-phase motor that is open drip proof (ODP) or totally enclosed fan-cooled (TEFC) and of frame design A or B with NEMA Premium™ Efficiency and using a non-synchronous cogged belt.

2.6.0.6 VFD Requirements: If a VFD is installed, fan motor must be "inverter-ready" or "inverter-friendly" with VFD-specific bearing protection rings and Class H insulation systems meeting NEMA MG1 Part 31.4.4.2. VFD shall have adjustable carrier frequencies and the ability to program at least three jump frequencies in order to eliminate resonance-based noises. VFD shall have an efficiency of no less than 96% at all speeds between 50-100%. Leads between the motor and VFD shall not be longer than 40 feet to minimize harmonic interference. The following VFD features shall be provided: manual speed potentiometer, hand-off-auto switch, power on light, drive run power light, and local display. Within 5 feet of the drive, a removable VFD operations manual must be mounted. VFDs shall be sized for 120% of the load for one minute at maximum ambient temperature to provide the required cfm calculated by the contractor.

2.7 Option Bid Task #3: DDC Upgrades at Building 843. Perform economizer repairs, smart thermostat installations, and plant controls upgrades for building 843 recreational center.

2.7.0 Economizer Repairs: Contractor shall repair existing economizer damper and actuator assemblies for the two fan rooms. All economizer linkages must be connected for complete and workable economizing and non-economizing modes of operation.

2.7.1 Smart Thermostats: Replace existing zone thermostats with new smart thermostats that have the following features: warm-up tuning, occupancy-enabled set points, display, temporary/constrained user set point overrides, and wifi-enabled updates. Occupancy-enabled mode shall be disabled in zones where the thermostat lacks manufacturer-specified line of site with all areas served and zone schedules shall be locally programmed. Furnaces shall be controlled directly by smart thermostats.

2.7.2 Plant Controls Replacements: Existing plant controllers in both fan rooms shall be removed. New controllers shall be standalone modules that utilize existing cabinet space, time clocks, and sensors to control economizers in the following sequence:

2.7.2.0 Outside and exhaust air dampers remain closed except when occupied.

2.7.2.1 Economizer dampers modulate to meet mixed air temperature set point when occupied.

2.7.2.2 Mixed air temperature set point shall be reset based on outside air temperature.

2.8 Option Bid Task #4: Install Split A/C at Building 422. Install a multi-zone split A/C system at building 422 to provide auxiliary cooling for constant cooling load pharmacy and lab spaces that are not being met by central AHU system and are constraining duct static pressure and deck reset sequences.

2.8.0 Equipment Selection: Identify standalone cooling needs of pharmacy and lab spaces at building 422 and select equipment based on following criteria.

2.8.0.1 Sizing: Provide single condenser and multi-zone evaporator system based on total cooling needs of space as needed from equipment present and upsized from current dual duct box capacities.

2.8.0.2 Location: Utilize existing wiring or shortest runs to locate condenser in the most economical location (i.e., in mechanical room) and as per manufacturer's instructions. Evaporators may be cassette or wall-mount type so long as placement is between central AHU (zone) thermostat and major internal heat gain sources or otherwise mitigates high internal load influences on reset schedules.

2.8.0.3 Efficiency: Minimum system efficiency ratios must be listed as 14.5 SEER (or 12 EER).

2.8.1 Commissioning: Perform the following as part of start-up/commissioning:

2.8.1.0 Sequence of Operation: Split A/C shall be configured to operate 24/7 as necessary to cool spaces to 74F with a 1F differential. Use the BAS to change zone cooling set points to 78F such that central A/C will act as backup cooling. Configure heating set point to 68F and remove occupant input/control by making zone temperature set point range equal to 0F.

2.8.1.1 Trends: Trend BAS points for a minimum 5 days to show split A/C set points are being met during occupied and unoccupied periods, that zone cooling dampers are maintained at minimum air positions, and that reset sequences are operating and tuned properly.

2.9 Option Bid Task #5: DDC Repairs at Building 610. Repair inoperable HVAC control system in building 610 by replacing one damaged VFD, replacing disconnected plant controllers, rebuilding the LON database, and programming optimized sequences of operation.

2.9.0 VFD Replacement: Replace damaged supply fan VFD on the East side fan room by installing a new VFD. All VFD programming to include scheduling, set point changing, and loop tuning shall reside on the new plant controllers.

2.9.0.1 Drive Selection: VFDs shall have automatic restart capabilities after fault, a 3-60 Hz output range, and an adjustable 1-60 second acceleration/deceleration time. VFDs shall have adjustable carrier frequencies and the ability to program at least three jump frequencies in order to eliminate resonance-based noises.

2.9.0.2 Drive Efficiency: VFDs shall have an efficiency of no less than 96% at all speeds between 50-100% (manufacturer's data must confirm part load efficiencies at various output frequencies). Drives shall be equipped with and programmed to enter a bypass mode at high output frequencies to transfer supply power directly to the motor and remove drive losses during peak conditions (e.g., when in economizing mode for air handler fan motors).

2.9.0.3 Drive Sizing: VFD shall be balanced to output 55-60 Hz under design conditions and 0 Hz when the motor is commanded off (performance shall be verified at maximum and minimum operating points).

2.9.0.4 Drive Installation: Leads between the motor and VFD shall not be longer than 40 feet to minimize harmonic interference.

2.9.0.5 Drive Operation: The following operator control shall be provided: manual speed potentiometer, hand-off/auto switch, power on light, drive run power light, and local display. Within 5 feet of the drive, a removable VFD operations manual shall be mounted. DDC interface cards are not required for VFDs; only speed command points are required from HVAC controllers to VFDs.

2.9.1 Plant Controls: Replace existing DX-9200 LON controllers that are disconnected at the plant. New controllers shall be LonMark certified, conform to the LonMark Interoperability Guide, utilize only CEA-709.1-C protocol, and be configurable with an existing LNS Configuration Tool LN Builder. Consolidate existing VFD, external time clock, and plant control logic into new controllers. Disconnect external HVAC time clocks and remove or label as obsolete. Controllers shall be configured in such a way that loss of power shall not result in loss of programming.

2.9.2 LDPs: Install one new LonMark certified Local Display Panel for each new plant controller to that is installed to function according to the points schedule.

2.9.3 Zone Controllers: Existing zone controllers shall remain. Software to configure and troubleshoot existing zone controllers shall be installed and licensed on an existing government laptop.

2.9.4 LNS Database: Rebuild the LON database according to LonMark SCPT/SNVT Lists and the below points schedule. The existing LON database is not LNS formatted or salvageable but can be accessed using the existing BAS workstation and used as a guide for constructing the new database so long as specified naming conventions and sequences of operation are used.

2.9.5 Sequences of Operation: Contractor shall implement optimized HVAC sequences of operation to include the following:

2.9.5.0 Zones: VAV Boxes shall maintain existing sequences of operation.

2.9.5.1 Air Handler: Each scheduled day, the air handler will enter an optimized warm-up mode by automatically evaluating either outside air or critical building zones and adjusting start times as necessary to reach occupied set points by the start of the scheduled day. Exhaust, outside, and minimum air dampers shall remain closed when in warm-up, unoccupied mode, or alarm. During occupied mode exhaust, return, and outside air dampers shall modulate (PI) to maintain mixed air set point and provide design levels of minimum outside air. Mixed air set point shall be reset (P or PI) based on outside air temperature such that cold mornings utilize more return air. Economizing mode shall be disabled when outside air is above return air temperature or below economizer low limit set point. Supply fan VFD shall modulate (PI) to maintain supply duct static pressure set point. Supply duct static pressure set point shall be independently reset (PI) based on the most open zone inlet damper. Return fan VFD shall modulate (PI) to maintain the return fan flow difference set point.

2.9.5.2 Boiler: Hot water distribution pump shall turn on when a heating request is made and after the preset pump delay. A heating request is interpreted as the boiler loop control valve being commanded open by more than 5% and outside air temperature below lockout set point. Hot water distribution pump shall turn off when the heating request has been satisfied and after the preset pump delay. Boiler shall turn on with a heating request and proof of pump status to maintain hot water supply temperature set point. Hot water supply temperature set point shall be reset (PI) based on outside air temperature. Boiler loop temperature set point shall be controlled using boiler controls. Boiler control valve shall remain at 0% open unless enabled by proof of at least one supply fan.

2.10 Scheduling: Cutting over operation to new equipment that results in HVAC downtime of more than one hour shall be scheduled after classroom hours of 3pm or on weekends.

2.11 QC Requirements: In addition to any existing or referenced quality control requirements, contractor shall perform weekly meetings or teleconferences with subcontractors and document progress reports. Contractor shall arrange for on-site inspections at least two times a week and will notify the government of any schedule changes or impacts to the building usage.

2.12 TAB/Commissioning and Training: Test and balance plant economizers and air handler fans/supply using design airflows and a firm certified for testing and balancing by the Associated Air Balance Council (AABC), National Environmental Balancing Bureau (NEBB), Testing Adjusting, and Balancing Bureau (TABBB).

2.13 Commissioning shall verify all sequences of operation detailed in this document and otherwise required for system functionality. Results of this testing shall be used as the basis for 1-day (8 hr) on-site training for the equipment, systems, controls, and LDP/M&C capabilities. Contractor shall provide O&M manuals, printed agenda material, and plan for a maximum of 6 personnel. Training tasks shall include but are not limited to learning new sequences of operation logic, adding points, replacing networked devices, troubleshooting errors, performing overrides, and using all supporting software.

2.14 Option Bid Task #6: Mechanical Noise Abatement at Building 610. Install a steel-framed wall on the East side mechanical room entry perpendicular to the existing CMU wall to reduce AHU noise levels from economizer louvers.

2.14.0 Install a minimum 8'- tall steel framed wall at the edge of the CMU wall using anchor bolts into the concrete pad.

2.14.1 Rough-in a double-door to provide six feet of threshold width for maintenance access.

2.14.2 Install insulation on the inside of the mechanical room wall adjacent to the next door classroom such that the overall wall STC rating is no less than 60.

2.15 Post-Installation Requirements:

2.15.0 TAB/Commissioning: Contractor shall test, balance, and commission new or repaired HVAC or HVAC control systems per SMACNA, ASHRAE Guideline 1, and manufacturer's standards to ensure operational temperatures, airflows, and controls correspond with design values.


2.15.1 Maintenance: Contractor shall provide POM DPW with model data and maintenance schedule of new heating system to modify base operations contract with new O&M requirements for filter replacements, actuator servicing, and other scheduled maintenance items.

2.15.2 Documentation: Contractor shall provide and maintain new mechanical as-builts and warranty information for the new HVAC system. Warranties shall start upon successful completion of the last Performance Verification Test or Endurance Test.

4.10 Site Locations for Staging and Debris: Coordinate site locations for equipment/material staging and placement of debris/hazardous with the COR and/or facility representative. Contractor shall provide a site map or maps for DPW approval that detail any vehicle or equipment staging areas needed, the closure of road/lots/paths for equipment removal/installation, and the time range for each staging/closure 72 business hours in advance of corresponding work.

4.11 Protection of Government Property: The Contractor shall ensure that government structures, equipment and vegetations are protected throughout the conduct of the project.

4.13 Applicable Permits: Contractor shall obtain all applicable permits through appropriate agencies [like Monterey Bay Unified Air Pollution Control District for asbestos permit] prior to start of work. All hazardous material shall be properly disposed in accordance with the environmental work plan - prepared by the contractor. The contractor may contact the DPW's Environmental Office (242-7925 or 242-7204) for assistance.

5. PROPONENT APPROVAL (Name and Organization)	5a. SIGNATURE	5b. DATE		
Anthony Barcinas, C. M&R Branch, DPW		12 June 2014		
SECTION II - PRELIMINARY ENVIRONMENTAL REVIEW (Proponent check appropriate box for potential environmental effects) - Attach additional sheets as needed -		Yes	No	Unknown
6. Any construction of new buildings or structures? (Potential impacts: Stormwater, water and energy use, waste disposal/recycling, wastewater discharges, cultural sites, endangered species habitat or other natural resources, etc.)			X	
7. Any activity that involves digging, diking, grading, or other soil disturbance? (Potential impacts: Stormwater, cultural sites, endangered species habitat or other natural resources, etc.)			X	
8. Any demolition, remodeling, or repair of any structure? (Potential impacts: Asbestos Containing Material, lead-based paint, waste disposal/recycling, stormwater, cultural sites or historic properties, etc. Pending the outcome of the asbestos/lead survey)				X
9. Any vehicle or construction equipment to be staged/stored on/off pavement?			X	
10. Any mechanical excavation or deposition of fill in creeks or drainages, wet or dry?			X	
11. Any hookups to the water distribution system?			X	
12. Will the project require any water discharges of any kind (non-potable, waste, etc.)?			X	
13. Any installation of permanent equipment that includes an internal combustion engine or other combustion device (Generators, boilers, etc.)?			X	
14. Will the project require use of portable equipment with diesel engines more than 50-horsepower (air compressors, generators, etc.)?			X	
15. Any tree cutting, trimming or removal?			X	
16. Any pest control involving application of herbicides or pesticides?			X	
17. Will the project require the storage, handling and/or disposal of hazardous materials or hazardous wastes (asbestos, lead-based paints, solvents, oils and greases, pesticides, etc.)? Pending the outcome of the asbestos/lead survey.				X
18. Any installation, repair and/or removal of underground/above-ground storage tanks or equipment?			X	
19. Will the project produce loud noise for extended periods of time?			X	



20. Will the project produce odors that may cause a nuisance?		X	
21. Any real estate activities involving a lease, license, or transfer of ownership?		X	
22. OTHER (Specify other potential impacts not addressed above).			X

SECTION III - ENVIRONMENTAL REVIEW DETERMINATION (DPW-Environmental Division review and comment)

23.		PROPOSED ACTION REQUIRES NO FURTHER ACTION
		PROPOSED ACTION FALLS WITHIN THE LIST OF CATEGORICAL EXCLUSIONS AND DOES NOT REQUIRE A RECORD OF ENVIRONMENTAL CONSIDERATION.
	x	PROPOSED ACTION FALLS WITHIN THE LIST OF CATEGORICAL EXCLUSIONS AND REQUIRES A RECORD OF ENVIRONMENTAL CONSIDERATION.
		PROPOSED ACTION DOES NOT QUALIFY FOR EXCLUSION; FURTHER ANALYSIS AND ENVIRONMENTAL REVIEW ARE REQUIRED.

24. REMARKS:

The proposed action has been reviewed in accordance with the National Environmental Policy Act (NEPA) and determined to qualify for a Categorical Exclusion (CX).

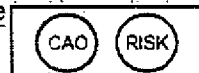
The proposed action is categorically excluded under the provisions set forth in "Part II Department of Defense, Department of the Army, 32 CFR Part 651 Environmental Analysis of Army Actions; (29 March 2002 Edition) Appendix B to Part 651-Categorical Exclusions" as follows:

II(c)(2) Demolition of non-historic buildings, structures, or other improvements and disposal of debris therefrom, or removal of a part thereof for disposal, in accordance with applicable regulations, including those regulations applying to removal of asbestos, polychlorinated biphenyls (PCBs), lead-based paint, and other special hazard items (REC required).

II(g)(1) Routine repair and maintenance of buildings, airfields, grounds, equipment, and other facilities. Examples include, but are not limited to: Removal and disposal of asbestos-containing material (for example, roof material and floor tile) or lead-based paint in accordance with applicable regulations; removal of dead, diseased, or damaged trees; and repair of roofs, doors, windows, or fixtures (REC required for removal and disposal of ACM and LBP or work on historic structures).

The following conditions must be implemented for the project to qualify for a CX. Please abide by the following environmental stipulations:

- 1. Refrigerants:** The scope of work shall require use of a licensed refrigeration specialist to recover refrigerants and seal air handling units. Refrigerants shall be recycled.
- 2. Compressor:** Compressors containing oil-refrigerant mixture shall be treated as hazardous waste and disposed of by a licensed hazardous material hauler with manifest signed by DPW Hazardous Waste Office (831-242-7933 or 831-242-7204). Please provide 48 hour prior notice.
- 3. Lead Based Paint (LBP):** LBP testing must be conducted and test results and mitigation plan must be submitted to DPW Environmental prior to project initiation. LBP must be handled and disposed by a certified contractor in accordance with applicable laws and regulations.
- 4. Asbestos Containing Material (ACM):** If this project requires disturbance to any building materials that may contain asbestos, the Scope of Work/Performance Work Statement (SOW/PWS) shall require that the materials needs to be either assumed to contain asbestos and handled according to applicable laws and regulations with a contractor certified to handle ACM or sampled and tested to determine the presence of ACM. If tests are positive for ACM, a contractor certified to handle ACM must be hired. The SOW/PWS shall require notification to the Monterey Bay Unified Air Pollution Control District (MBUAPCD) if ACM is to be disturbed and exceeds the reporting thresholds. Copies of survey results, abatement plan, and contractor certifications will be submitted to and reviewed by Presidio of Monterey, Directorate of Public Works, Environmental Division prior to commencement of project. The contractor will prepare hazardous waste manifests to be signed by DPW Hazardous Waste Office (831-242-7933 or 831-242-7204, please provide 48 hour prior notice



results, reports and completion reports shall be submitted to Presidio of Monterey, Directorate of Public Works, Environmental Division at completion of project for required record keeping in regards to all projects involving asbestos, as well as to document ACM removal and handling.

5. Please ensure all equipment and vehicles are kept on hardscape. Staging areas must be in approved hardscape areas. Any disturbance or damage to vegetation or surrounding soil, must be restored to its original condition or better using POM Integrated Natural Resource Management Plan (INRMP) approved plants or seed mix (see attached).
6. If ground disturbance is anticipated for install at Bldg 343 (located within the Presidio Historic District), an archaeologist will be required to monitor excavations. Please coordinate w/DPW Archaeologist, Laura Prishmont Quimby (242-7926), as she can monitor if excavations will be minimal (one day).

This Record of Environmental Consideration (REC) satisfies the requirements of the National Environmental Policy Act (NEPA) (42 USC 432 et seq.).

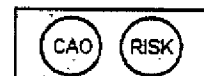
25 ENVIRONMENTAL DIVISION CERTIFICATION (Name)
Lenore Grover-Bullington

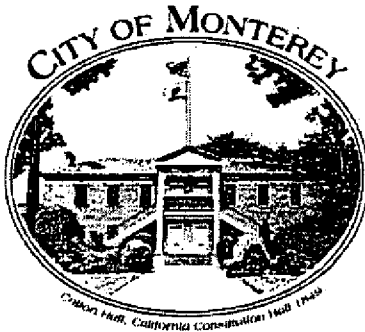
25 a. SIGNATURE
Lenore Grover-Bullington

25 b. DATE
03/09/2015

FORM AR 200-1A

Page ___ of ___ Page(s)





October 23, 2015

ADDENDUM 1

To: All Contractors

Subject: Job Walk Attendees, Prevailing Wage Rates, Size of Temporary Cooling Unit, Construction Hours, Outdoor Rated Fire Smoke Damper, Attic Access.

Project: Perform Mechanical Repairs and Upgrades to HVAC Systems and Associated Components: B343 (DPW-14021E)

Sent Via: Email/Mail/Web Posting

Job Walk Attendees:

The following persons attended the job walk qualifying their companies to bid on this job.

<u>Name</u>	<u>Organization</u>	<u>Phone No.</u>
Steve Million	ACCO	(408)516-6694
Danny Dang	Blocka Const.	(516)657-3686
Kelly Mano	Geo. H. Wilson	(831) 212-4103
Pablo Jimenez	Val's Plumbing	(831)455-5494
Dave DellaMora	DellaMora Heating	(831)883-4500

Prevailing Wage:

The prevailing wages applicable to this job are included herein and correlate to those active in Monterey County at the time of bid. They will be applicable throughout the period of construction. These wages will be paid or exceeded unless the wage rates are updated by the City in the form of an addendum. The wage rates will only be updated if the contract has not been awarded within 90 days of the bid opening. Attachment #1 includes the applicable federal prevailing wages. Attachment #2 includes the applicable state prevailing wages. The Contractor shall be responsible for selecting the appropriate wage rate to be paid for the actual work completed.

Size of Temporary Cooling Unit:

The Temporary cooling unit shall be sized to run continuously and provide no less than 6 (six) tons of cooling at peak loads.

Construction Hours:

The working hours for the B343 Staff is Monday through Friday between 7:45am, and 4:45pm. Contractors shall plan work to be completed during this window of time.

Fire Smoke Dampers:

The new fire smoke dampers shall be sized to fit in the new duct work. They shall be installed outside, and rated for outdoor use, or installed in an outdoor rated enclosure.

Attic Access:

In the event that Additive Alternate #1 is awarded, the contractor may remove the louver from the attic side wall and pass ducting and other materials through the opening. The louver need to be replaced and restored to its existing condition at the completion of the job. No paint shall be removed during demolition; the contractor shall instead remove intact trim and framing members in entirety.

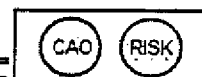
Acknowledge this addendum in your bid on Part-II, Page 7 of the Specifications.

Sealed proposals will be received in the office of the City Clerk, attention Finance Director, 580 Pacific Street, Room 6, City of Monterey, California, until 2:00 PM October 27th, 2015. If you have any additional questions, please contact Andreas Baer at (831) 242-8777.

Sincerely,



Andreas Baer, P.E.
Associate Mechanical Engineer



Attachment #1 – Federal Prevailing Wage

General Decision Number: CA150029 10/16/2015 CA29

Superseded General Decision Number: CA20140029

State: California

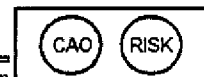
Construction Types: Building, Heavy (Heavy and Dredging) and Highway

Counties: Alameda, Calaveras, Contra Costa, Fresno, Kings, Madera, Mariposa, Merced, Monterey, San Benito, San Francisco, San Joaquin, San Mateo, Santa Clara, Santa Cruz, Stanislaus and Tuolumne Counties in California.

BUILDING CONSTRUCTION PROJECTS; DREDGING PROJECTS (does not include hopper dredge work); HEAVY CONSTRUCTION PROJECTS (does not include water well drilling); HIGHWAY CONSTRUCTION PROJECTS

Note: Executive Order (EO) 13658 establishes an hourly minimum wage of \$10.10 for 2015 that applies to all contracts subject to the Davis-Bacon Act for which the solicitation is issued on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least \$10.10 (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract. The EO minimum wage rate will be adjusted annually. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/02/2015
1	01/16/2015
2	01/23/2015
3	01/30/2015
4	02/13/2015
5	02/20/2015
6	02/27/2015
7	03/13/2015
8	03/27/2015
9	04/10/2015



10	04/17/2015
11	04/24/2015
12	05/01/2015
13	05/08/2015
14	05/29/2015
15	06/05/2015
16	06/19/2015
17	07/10/2015
18	07/17/2015
19	07/31/2015
20	08/07/2015
21	08/14/2015
22	08/28/2015
23	09/25/2015
24	10/16/2015

ASBE0016-004 01/01/2015

AREA 1: CALAVERAS, FRESNO, KINGS, MADERA, MARIPOSA, MERCED,
MONTEREY, SAN BENITO, SAN JOAQUIN, SANTA CRUZ, STANISLAUS &
TOULMNE COUNTIES

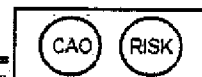
AREA 2: ALAMEDA, CONTRA COSTA, SAN FRANCISCO, SAN MATEO & SANTA
CLARA COUNTIES

	Rates	Fringes
Asbestos Removal worker/hazardous material handler (Includes preparation, wetting, stripping, removal, scrapping, vacuuming, bagging and disposing of all insulation materials from mechanical systems, whether they contain asbestos or not)		
Area 1.....	\$ 28.30	7.75
Area 2.....	\$ 32.38	7.75

ASBE0016-008 01/01/2015

AREA 1: ALAMEDA, CONTRA COSTA, MONTEREY, SAN BENITO, SAN
FRANSICO, SAN MATEO, SANTA CLARA, & SANTA CRUZ

AREA 2: CALAVERAS, COLUSA, FRESNO, KINGS, MADERA, MARIPOSA,



MERCED, SAN JOAQUIN, STANISLAU, & TUOLUMNE

	Rates	Fringes
Asbestos Workers/Insulator (Includes the application of all insulating materials, Protective Coverings, Coatings, and Finishes to all types of mechanical systems)		
Area 1.....	\$ 59.38	19.83
Area 2.....	\$ 44.05	18.62

BOIL0549-001 01/01/2013

AREA 1: ALAMEDA, CONTRA COSTA, SAN FRANCISCO, SAN MATEO & SANTA CLARA COUNTIES

AREA 2: REMAINING COUNTIES

	Rates	Fringes
BOILERMAKER		
Area 1.....	\$ 42.06	33.43
Area 2.....	\$ 38.37	31.32

BRCA0003-001 08/01/2013

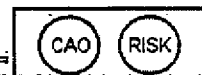
	Rates	Fringes
MARBLE FINISHER.....	\$ 28.05	14.01

BRCA0003-003 08/01/2013

	Rates	Fringes
MARBLE MASON.....	\$ 39.30	22.48

BRCA0003-005 05/01/2013

	Rates	Fringes
BRICKLAYER (1) Fresno, Kings, Madera, Mariposa, Merced....		
	\$ 35.41	19.92



(7) San Francisco, San Mateo.....	\$ 39.96	23.79
(8) Alameda, Contra Costa, San Benito, Santa Clara.....	\$ 40.98	20.49
(9) Calaveras, San Joaquin, Stanislaus, Toulumne.....	\$ 36.48	19.59
(16) Monterey, Santa Cruz.....	\$ 37.80	22.46

BRCA0003-008 07/01/2013

	Rates	Fringes
TERRAZZO FINISHER.....	\$ 33.15	13.93
TERRAZZO WORKER/SETTER.....	\$ 39.95	24.39

BRCA0003-011 04/01/2014

AREA 1: Alameda, Contra Costa, Monterey, San Benito, San Francisco, San Mateo, Santa Clara, Santa Cruz

AREA 2: Calaveras, San Joaquin, Stanislaus, Tuolumne

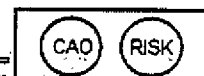
AREA 3: Fresno, Kings, Madera, Mariposa, Merced

	Rates	Fringes
TILE FINISHER		
Area 1.....	\$ 22.76	12.37
Area 2.....	\$ 22.58	12.50
Area 3.....	\$ 22.40	11.58
Tile Layer		
Area 1.....	\$ 39.42	13.77
Area 2.....	\$ 36.43	13.74
Area 3.....	\$ 29.78	13.10

* CARP0022-001 07/01/2015

San Francisco County

	Rates	Fringes
Carpenters Bridge Builder/Highway		
Carpenter.....	\$ 42.40	25.98



	Hardwood Floorlayer, Shingler, Power Saw Operator, Steel Scaffold & Steel Shoring Erector, Saw	
Filer.....	\$ 42.55	25.98
Journeyman Carpenter.....	\$ 42.40	25.98
Millwright.....	\$ 42.50	27.38

CARP0034-001 07/01/2014

	Rates	Fringes
Diver		
Assistant Tender, ROV		
Tender/Technician.....	\$ 39.60	30.73
Diver standby.....	\$ 44.56	30.73
Diver Tender.....	\$ 43.56	30.73
Diver wet.....	\$ 89.12	30.73
Manifold Operator (mixed gas).....		
	\$ 48.56	30.73
Manifold Operator (Standby).\$	43.56	30.73

DEPTH PAY (Surface Diving):

050 to 100 ft	\$2.00 per foot
101 to 150 ft	\$3.00 per foot
151 to 220 ft	\$4.00 per foot

SATURATION DIVING:

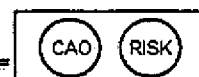
The standby rate shall apply until saturation starts. The saturation diving rate applies when divers are under pressure continuously until work task and decompression are complete. The diver rate shall be paid for all saturation hours.

DIVING IN ENCLOSURES:

Where it is necessary for Divers to enter pipes or tunnels, or other enclosures where there is no vertical ascent, the following premium shall be paid: Distance traveled from entrance 26 feet to 300 feet: \$1.00 per foot. When it is necessary for a diver to enter any pipe, tunnel or other enclosure less than 48" in height, the premium will be \$1.00 per foot.

WORK IN COMBINATION OF CLASSIFICATIONS:

Employees working in any combination of classifications within the diving crew (except dive supervisor) in a shift are paid in the classification with the highest rate for



that shift.

CARP0034-003 07/01/2014

	Rates	Fringes
Piledriver.....	\$ 40.60	30.73

* CARP0035-007 07/01/2015

AREA 1: Alameda, Contra Costa, San Francisco, San Mateo, Santa Clara counties

AREA 2: Monterey, San Benito, Santa Cruz Counties

AREA 3: Calaveras, Fresno, Kings, Madera, Mariposa, Merced, San Joaquin, Stanislaus, Tuolumne Counties

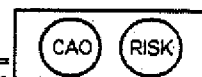
	Rates	Fringes
Modular Furniture Installer		
Area 1		
Installer I.....	\$ 24.26	17.67
Installer II.....	\$ 20.83	18.67
Lead Installer.....	\$ 27.71	18.17
Master Installer.....	\$ 31.93	18.17
Area 2		
Installer I.....	\$ 21.61	17.67
Installer II.....	\$ 18.66	17.67
Lead Installer.....	\$ 24.58	18.17
Master Installer.....	\$ 28.21	19.35
Area 3		
Installer I.....	\$ 20.66	18.85
Installer II.....	\$ 17.89	18.85
Lead Installer.....	\$ 23.46	18.17
Master Installer.....	\$ 30.48	17.67

CARP0035-008 08/01/2014

AREA 1: Alameda, Contra Costa, San Francisco, San Mateo, Santa Clara counties

AREA 2: Monterey, San Benito, Santa Cruz Counties

AREA 3: San Joaquin



**AREA 4: Calaveras, Fresno, Kings, Madera, Mariposa, Merced,
Stanislaus, Tuolumne Counties**

	Rates	Fringes
Drywall Installers/Lathers:		
Area 1.....	\$ 40.35	27.97
Area 2.....	\$ 34.47	27.97
Area 3.....	\$ 34.97	27.97
Area 4.....	\$ 33.62	27.97
Drywall Stocker/Scrapper		
Area 1.....	\$ 20.18	16.30
Area 2.....	\$ 17.24	16.30
Area 3.....	\$ 17.49	16.30
Area 4.....	\$ 16.81	16.30

CARP0152-001 07/01/2014

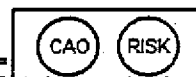
Contra Costa County

	Rates	Fringes
Carpenters		
Bridge Builder/Highway		
Carpenter.....	\$ 40.35	27.53
Hardwood Floorlayer, Shingler, Power Saw Operator, Steel Scaffold & Steel Shoring Erector, Saw		
Filer.....	\$ 40.50	27.53
Journeyman Carpenter.....	\$ 40.35	27.53
Millwright.....	\$ 40.45	29.12

CARP0152-002 07/01/2014

San Joaquin County

	Rates	Fringes
Carpenters		
Bridge Builder/Highway		
Carpenter.....	\$ 40.35	27.53
Hardwood Floorlayer, Shingler, Power Saw Operator, Steel Scaffold &		



Steel Shoring Erector, Saw		
Filer.....	\$ 34.62	27.53
Journeyman Carpenter.....	\$ 34.47	27.53
Millwright.....	\$ 34.97	29.12

 CARP0152-004 07/01/2014

Calaveras, Mariposa, Merced, Stanislaus and Tuolumne Counties

	Rates	Fringes
Carpenters		
Bridge Builder/Highway		
Carpenter.....	\$ 40.35	27.53
Hardwood Floorlayer, Shingler, Power Saw		
Operator, Steel Scaffold & Steel Shoring Erector, Saw		
Filer.....	\$ 33.27	27.53
Journeyman Carpenter.....	\$ 33.12	27.53
Millwright.....	\$ 35.62	29.12

 * CARP0217-001 07/01/2015

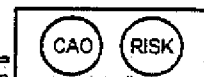
San Mateo County

	Rates	Fringes
Carpenters		
Bridge Builder/Highway		
Carpenter.....	\$ 42.40	25.98
Hardwood Floorlayer, Shingler, Power Saw		
Operator, Steel Scaffold & Steel Shoring Erector, Saw		
Filer.....	\$ 42.55	25.98
Journeyman Carpenter.....	\$ 42.40	25.98
Millwright.....	\$ 42.50	27.38

 * CARP0405-001 07/01/2015

Santa Clara County

	Rates	Fringes
Carpenters		
Bridge Builder/Highway		



Carpenter.....	\$ 42.40	25.98
Hardwood Floorlayer, Shingler, Power Saw Operator, Steel Scaffold & Steel Shoring Erector, Saw		
Filer.....	\$ 42.55	25.98
Journeyman Carpenter.....	\$ 42.40	25.98
Millwright.....	\$ 42.50	27.38

* CARP0405-002 07/01/2015

San Berito County

	Rates	Fringes
Carpenters		
Bridge Builder/Highway		
Carpenter.....	\$ 42.40	25.98
Hardwood Floorlayer, Shingler, Power Saw Operator, Steel Scaffold & Steel Shoring Erector, Saw		
Filer.....	\$ 36.58	25.98
Journeyman Carpenter.....	\$ 26.52	25.98
Millwright.....	\$ 39.02	27.38

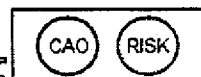
* CARP0505-001 07/01/2015

Santa Cruz County

	Rates	Fringes
Carpenters		
Bridge Builder/Highway		
Carpenter.....	\$ 42.40	25.98
Hardwood Floorlayer, Shingler, Power Saw Operator, Steel Scaffold & Steel Shoring Erector, Saw		
Filer.....	\$ 36.67	25.98
Journeyman Carpenter.....	\$ 36.52	25.98
Millwright.....	\$ 39.02	27.38

* CARP0605-001 07/01/2015

Monterey County



	Rates	Fringes
Carpenters		
Bridge Builder/Highway		
Carpenter.....	\$ 42.40	25.98
Hardwood Floorlayer, Shingler, Power Saw Operator, Steel Scaffold & Steel Shoring Erector, Saw		
Filer.....	\$ 36.67	25.98
Journeyman Carpenter.....	\$ 36.52	25.98
Millwright.....	\$ 39.02	27.38

* CARP0701-001 07/01/2015

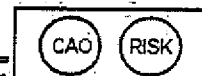
Fresno and Madera Counties

	Rates	Fringes
Carpenters		
Bridge Builder/Highway		
Carpenter.....	\$ 42.40	25.98
Hardwood Floorlayer, Shingler, Power Saw Operator, Steel Scaffold & Steel Shoring Erector, Saw		
Filer.....	\$ 35.32	25.98
Journeyman Carpenter.....	\$ 35.17	25.98
Millwright.....	\$ 37.67	27.38

* CARP0713-001 07/01/2015

Alameda County

	Rates	Fringes
Carpenters		
Bridge Builder/Highway		
Carpenter.....	\$ 42.40	25.98
Hardwood Floorlayer, Shingler, Power Saw Operator, Steel Scaffold & Steel Shoring Erector, Saw		
Filer.....	\$ 42.55	25.98
Journeyman Carpenter.....	\$ 42.40	25.98
Millwright.....	\$ 42.50	27.38



CARP1109-001 07/01/2014

Kings County

	Rates	Fringes
Carpenters		
Bridge Builder/Highway		
Carpenter.....	\$ 40.35	27.53
Hardwood Floorlayer, Shingler, Power Saw Operator, Steel Scaffold & Steel Shoring Erector, Saw		
Filer.....	\$ 33.27	27.53
Journeyman Carpenter.....	\$ 33.12	27.53
Millwright.....	\$ 35.62	29.12

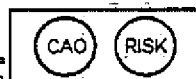
ELEC0006-004 06/01/2015

SAN FRANCISCO COUNTY

	Rates	Fringes
Sound & Communications		
Installer.....	\$ 33.82	16.82
Technician.....	\$ 38.51	16.96

SCOPE OF WORK: Including any data system whose only function is to transmit or receive information; excluding all other data systems or multiple systems which include control function or power supply; inclusion or exclusion of terminations and testings of conductors determined by their function; excluding fire alarm work when installed in raceways (including wire and cable pulling) and when performed on new or major remodel building projects or jobs for which the conductors for the fire alarm system are installed in conduit; excluding installation of raceway systems, line voltage work, industrial work, life-safety systems (all buildings having floors located more than 75' above the lowest floor level having building access); excluding energy management systems.

FOOTNOTE: Fire alarm work when installed in raceways (including wire and cable pulling), on projects which involve new or major remodel building construction, for which the conductors for the fire alarm system are installed in the conduit, shall be performed by the inside



electrician.

ELEC0006-007 06/01/2015

SAN FRANCISCO COUNTY

	Rates	Fringes
ELECTRICIAN.....	\$ 61.25	29.80

ELEC0100-002 06/01/2015

FRESNO, KINGS, AND MADERA COUNTIES

	Rates	Fringes
ELECTRICIAN.....	\$ 34.50	20.09

ELEC0100-005 06/01/2015

FRESNO, KINGS, MADERA

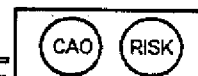
	Rates	Fringes
Communications System		
Installer.....	\$ 29.10	16.18
Technician.....	\$ 32.13	16.26

SCOPE OF WORK

Includes the installation testing, service and maintenance, of the following systems which utilize the transmission and/or transference of voice, sound, vision and digital for commercial, education, security and entertainment purposes for the following: TV monitoring and surveillance, background-foreground music, intercom and telephone interconnect, inventory control systems, microwave transmission, multi-media, multiplex, nurse call system, radio page, school intercom and sound, burglar alarms, and low voltage master clock systems.

A. SOUND AND VOICE TRANSMISSION/TRANSFERENCE SYSTEMS

Background foreground music, Intercom and telephone interconnect systems, Telephone systems Nurse call systems, Radio page systems, School intercom and sound systems, Burglar alarm systems, Low voltage, master clock systems, Multi-media/multiplex systems, Sound and musical



entertainment systems, RF systems, Antennas and Wave Guide,

B. FIRE ALARM SYSTEMS Installation, wire pulling and testing

C. TELEVISION AND VIDEO SYSTEMS Television monitoring and surveillance systems Video security systems, Video entertainment systems, Video educational systems, Microwave transmission systems, CATV and CCTV

D. SECURITY SYSTEMS Perimeter security systems Vibration sensor systems Card access systems Access control systems, Sonar/infrared monitoring equipment

E. COMMUNICATIONS SYSTEMS THAT TRANSMIT OR RECEIVE INFORMATION AND/OR CONTROL SYSTEMS THAT ARE INTRINSIC TO THE ABOVE LISTED SYSTEMS SCADA (Supervisory Control and Data Acquisition) PCM (Pulse Code Modulation) Inventory Control Systems, Digital Data Systems Broadband and Baseband and Carriers Point of Sale Systems, VSAT Data Systems Data Communication Systems RF and Remote Control Systems, Fiber Optic Data Systems

WORK EXCLUDED Raceway systems are not covered (excluding Ladder-Rack for the purpose of the above listed systems).

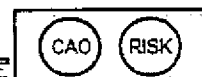
Chases and/or nipples (not to exceed 10 feet) may be installed on open wiring systems. Energy management systems. SCADA (Supervisory Control and Data Acquisition) when not intrinsic to the above listed systems (in the scope). Fire alarm systems when installed in raceways (including wire and cable pulling) shall be performed at the electrician wage rate, when either of the following two (2) conditions apply:

1. The project involves new or major remodel building trades construction.
2. The conductors for the fire alarm system are installed in conduit.

ELEC0234-001 05/25/2015

MONTEREY, SAN BENITO AND SANTA CRUZ COUNTIES

	Rates	Fringes
ELECTRICIAN		
Zone A.....	\$ 42.15	23.36
Zone B.....	\$ 46.37	23.50



Zone A: All of Santa Cruz, Monterey, and San Benito Counties within 25 air miles of Highway 1 and Dolan Road in Moss Landing, and an area extending 5 miles east and west of Highway 101 South to the San Luis Obispo County Line

Zone B: Any area outside of Zone A

ELEC0234-003 06/01/2015

MONTEREY, SAN BENITO, AND SANTA CRUZ COUNTIES

	Rates	Fringes
Sound & Communications		
Installer.....	\$ 33.32	16.30
Technician.....	\$ 37.94	16.30

SCOPE OF WORK: Including any data system whose only function is to transmit or receive information; excluding all other data systems or multiple systems which include control function or power supply; inclusion or exclusion of terminations and testings of conductors determined by their function; excluding fire alarm work when installed in raceways (including wire and cable pulling) and when performed on new or major remodel building projects or jobs for which the conductors for the fire alarm system are installed in conduit; excluding installation of raceway systems, line voltage work, industrial work, life-safety systems (all buildings having floors located more than 75' above the lowest floor level having building access); excluding energy management systems.

FOOTNOTE: Fire alarm work when installed in raceways (including wire and cable pulling), on projects which involve new or major remodel building construction, for which the conductors for the fire alarm system are installed in the conduit, shall be performed by the inside electrician.

ELEC0302-001 06/01/2015

CONTRA COSTA COUNTY

Rates	Fringes
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CABLE SPLICER.....	\$ 52.92	25.34
ELECTRICIAN.....	\$ 46.51	25.15

ELEC0302-003 12/01/2014

CONTRA COSTA COUNTY

	Rates	Fringes
Sound & Communications		
Installer.....	\$ 32.32	16.27
Technician.....	\$ 36.80	16.40

SCOPE OF WORK: Including any data system whose only function is to transmit or receive information; excluding all other data systems or multiple systems which include control function or power supply; inclusion or exclusion of terminations and testings of conductors determined by their function; excluding fire alarm work when installed in raceways (including wire and cable pulling) and when performed on new or major remodel building projects or jobs for which the conductors for the fire alarm system are installed in conduit; excluding installation of raceway systems, line voltage work, industrial work, life-safety systems (all buildings having floors located more than 75' above the lowest floor level having building access); excluding energy management systems.

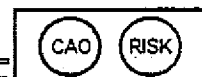
FOOTNOTE: Fire alarm work when installed in raceways (including wire and cable pulling), on projects which involve new or major remodel building construction, for which the conductors for the fire alarm system are installed in the conduit, shall be performed by the inside electrician.

ELEC0332-001 06/01/2015

SANTA CLARA COUNTY

	Rates	Fringes
CABLE SPLICER.....	\$ 65.57	32.19
ELECTRICIAN.....	\$ 57.02	31.94

FOOTNOTES: Work under compressed air or where gas masks are



required, or work on ladders, scaffolds, stacks, "Bosun's chairs," or other structures and where the workers are not protected by permanent guard rails at a distance of 40 to 60 ft. from the ground or supporting structures: to be paid one and one-half times the straight-time rate of pay.
 Work on structures of 60 ft. or over (as described above): to be paid twice the straight-time rate of pay.

ELEC0332-003 06/01/2015

SANTA CLARA COUNTY

	Rates	Fringes
Sound & Communications		
Installer.....	\$ 33.32	16.30
Technician.....	\$ 37.94	16.43

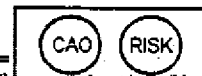
SCOPE OF WORK: Including any data system whose only function is to transmit or receive information; excluding all other data systems or multiple systems which include control function or power supply; inclusion or exclusion of terminations and testings of conductors determined by their function; excluding fire alarm work when installed in raceways (including wire and cable pulling) and when performed on new or major remodel building projects or jobs for which the conductors for the fire alarm system are installed in conduit; excluding installation of raceway systems, line voltage work, industrial work, life-safety systems (all buildings having floors located more than 75' above the lowest floor level having building access); excluding energy management systems.

FOOTNOTE: Fire alarm work when installed in raceways (including wire and cable pulling), on projects which involve new or major remodel building construction, for which the conductors for the fire alarm system are installed in the conduit, shall be performed by the inside electrician.

ELEC0595-001 06/01/2015

ALAMEDA COUNTY

Rates	Fringes
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CABLE SPLICER.....	\$ 56.70	33.55
ELECTRICIAN.....	\$ 50.40	33.36

ELEC0595-002 06/01/2015

CALAVERAS AND SAN JOAQUIN COUNTIES

	Rates	Fringes
CABLE SPLICER.....	\$ 39.09	25.68
ELECTRICIAN		
(1) Tunnel work.....	\$ 36.49	25.48
(2) All other work.....	\$ 34.75	25.35

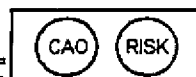
ELEC0595-006 06/01/2015

ALAMEDA COUNTY

	Rates	Fringes
Sound & Communications		
Installer.....	\$ 33.32	16.29
Technician.....	\$ 37.94	16.44

SCOPE OF WORK: Including any data system whose only function is to transmit or receive information; excluding all other data systems or multiple systems which include control function or power supply; inclusion or exclusion of terminations and testings of conductors determined by their function; excluding fire alarm work when installed in raceways (including wire and cable pulling) and when performed on new or major remodel building projects or jobs for which the conductors for the fire alarm system are installed in conduit; excluding installation of raceway systems, line voltage work, industrial work, life-safety systems (all buildings having floors located more than 75' above the lowest floor level having building access); excluding energy management systems.

FOOTNOTE: Fire alarm work when installed in raceways (including wire and cable pulling), on projects which involve new or major remodel building construction, for which the conductors for the fire alarm system are installed in the conduit, shall be performed by the inside electrician.



ELEC0595-008 12/01/2014

CALAVERAS AND SAN JOAQUIN COUNTIES

	Rates	Fringes
Communications System		
Installer.....	\$ 29.10	16.18
Technician.....	\$ 33.13	16.30

SCOPE OF WORK: Including any data system whose only function is to transmit or receive information; excluding all other data systems or multiple systems which include control function or power supply; inclusion or exclusion of terminations and testings of conductors determined by their function; excluding fire alarm work when installed in raceways (including wire and cable pulling) and when performed on new or major remodel building projects or jobs for which the conductors for the fire alarm system are installed in conduit; excluding installation of raceway systems, line voltage work, industrial work, life-safety systems (all buildings having floors located more than 75' above the lowest floor level having building access); excluding energy management systems.

FOOTNOTE: Fire alarm work when installed in raceways (including wire and cable pulling), on projects which involve new or major remodel building construction, for which the conductors for the fire alarm system are installed in the conduit, shall be performed by the inside electrician.

ELEC0617-001 06/01/2015

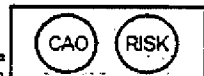
SAN MATEO COUNTY

	Rates	Fringes
ELECTRICIAN.....	\$ 53.90	30.50

ELEC0617-003 06/01/2015

SAN MATEO COUNTY

Rates	Fringes
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Sound & Communications		
Installer.....	\$ 33.32	17.44
Technician.....	\$ 37.94	17.44

SCOPE OF WORK: Including any data system whose only function is to transmit or receive information; excluding all other data systems or multiple systems which include control function or power supply; inclusion or exclusion of terminations and testings of conductors determined by their function; excluding fire alarm work when installed in raceways (including wire and cable pulling) and when performed on new or major remodel building projects or jobs for which the conductors for the fire alarm system are installed in conduit; excluding installation of raceway systems, line voltage work, industrial work, life-safety systems (all buildings having floors located more than 75' above the lowest floor level having building access); excluding energy management systems.

FOOTNOTE: Fire alarm work when installed in raceways (including wire and cable pulling), on projects which involve new or major remodel building construction, for which the conductors for the fire alarm system are installed in the conduit, shall be performed by the inside electrician.

ELEC0684-001 06/01/2015

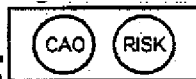
MARIPOSA, MERCED, STANISLAUS AND TUOLUMNE COUNTIES

	Rates	Fringes
ELECTRICIAN.....	\$ 35.75	20.66
CABLE SPLICER = 110% of Journeyman Electrician		

ELEC0684-004 12/01/2011

MARIPOSA, MERCED, STANISLAUS AND TUOLUMNE COUNTIES

	Rates	Fringes
Communications System		
Installer.....	\$ 30.12	3%+13.70
Technician.....	\$ 34.29	3%+13.70



SCOPE OF WORK: Including any data system whose only function is to transmit or receive information; excluding all other data systems or multiple systems which include control function or power supply; inclusion or exclusion of terminations and testings of conductors determined by their function; excluding fire alarm work when installed in raceways (including wire and cable pulling) and when performed on new or major remodel building projects or jobs for which the conductors for the fire alarm system are installed in conduit; excluding installation of raceway systems, line voltage work, industrial work, life-safety systems (all buildings having floors located more than 75' above the lowest floor level having building access); excluding energy management systems.

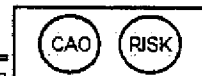
FOOTNOTE: Fire alarm work when installed in raceways (including wire and cable pulling), on projects which involve new or major remodel building construction, for which the conductors for the fire alarm system are installed in the conduit, shall be performed by the inside electrician.

ELEC1245-001 06/01/2015

	Rates	Fringes
LINE CONSTRUCTION		
(1) Lineman; Cable splicer.....	\$ 52.85	15.53
(2) Equipment specialist (operates crawler tractors, commercial motor vehicles, backhoes, trenchers, cranes (50 tons and below), overhead & underground distribution line equipment).....	\$ 42.21	14.32
(3) Groundman.....	\$ 32.28	14.03
(4) Powderman.....	\$ 47.19	14.60

HOLIDAYS: New Year's Day, M.L. King Day, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day and day after Thanksgiving, Christmas Day

ELEV0008-001 01/01/2015



	Rates	Fringes
ELEVATOR MECHANIC.....	\$ 60.39	28.38

FOOTNOTE:

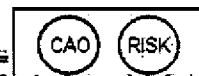
PAID VACATION: Employer contributes 8% of regular hourly rate as vacation pay credit for employees with more than 5 years of service, and 6% for 6 months to 5 years of service.
PAID HOLIDAYS: New Years Day, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day, Friday after Thanksgiving, and Christmas Day.

ENGI0003-008 07/01/2013

	Rates	Fringes
Dredging: (DREDGING: CLAMSHELL & DIPPER DREDGING; HYDRAULIC SUCTION DREDGING:)		
AREA 1:		
(1) Leverman.....	\$ 40.53	27.81
(2) Dredge Dozer; Heavy duty repairman.....	\$ 35.57	27.81
(3) Booster Pump Operator; Deck Engineer; Deck mate; Dredge Tender; Winch Operator.....	\$ 34.45	27.81
(4) Bargeman; Deckhand; Fireman; Leveehand; Oiler..	\$ 31.15	27.81
AREA 2:		
(1) Leverman.....	\$ 42.53	27.81
(2) Dredge Dozer; Heavy duty repairman.....	\$ 37.57	27.81
(3) Booster Pump Operator; Deck Engineer; Deck mate; Dredge Tender; Winch Operator.....	\$ 36.45	27.81
(4) Bargeman; Deckhand; Fireman; Leveehand; Oiler..	\$ 33.15	27.81

AREA DESCRIPTIONS

AREA 1: ALAMEDA, BUTTE, CONTRA COSTA, KINGS, MARIN, MERCED,



NAPA, SACRAMENTO, SAN BENITO, SAN FRANCISCO, SAN JOAQUIN,
SAN MATEO, SANTA CLARA, SANTA CRUZ, SOLANO, STANISLAUS,
SUTTER, YOLO, AND YUBA COUNTIES

AREA 2: MODOC COUNTY

THE REMAINING COUNTIES ARE SPLIT BETWEEN AREA 1 AND AREA 2
AS NOTED BELOW:

ALPINE COUNTY:

Area 1: Northernmost part

Area 2: Remainder

CALAVERAS COUNTY:

Area 1: Remainder

Area 2: Eastern part

COLUSA COUNTY:

Area 1: Eastern part

Area 2: Remainder

ELDORADO COUNTY:

Area 1: North Central part

Area 2: Remainder

FRESNO COUNTY:

Area 1: Remainder

Area 2: Eastern part

GLENN COUNTY:

Area 1: Eastern part

Area 2: Remainder

LASSEN COUNTY:

Area 1: Western part along the Southern portion of border
with Shasta County

Area 2: Remainder

MADERA COUNTY:

Area 1: Except Eastern part

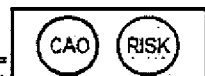
Area 2: Eastern part

MARIPOSA COUNTY

Area 1: Except Eastern part

Area 2: Eastern part

MONTERREY COUNTY



Area 1: Except Southwestern part
Area 2: Southwestern part

NEVADA COUNTY:

Area 1: All but the Northern portion along the border of
Sierra County
Area 2: Remainder

PLACER COUNTY:

Area 1: All but the Central portion
Area 2: Remainder

PLUMAS COUNTY:

Area 1: Western portion
Area 2: Remainder

SHASTA COUNTY:

Area 1: All but the Northeastern corner
Area 2: Remainder

SIERRA COUNTY:

Area 1: Western part
Area 2: Remainder

SISKIYOU COUNTY:

Area 1: Central part
Area 2: Remainder

SONOMA COUNTY:

Area 1: All but the Northwestern corner
Area 2: Remainder

TEHAMA COUNTY:

Area 1: All but the Western border with Mendocino & Trinity
Counties
Area 2: Remainder

TRINITY COUNTY:

Area 1: East Central part and the Northeastern border with
Shasta County
Area 2: Remainder

TUOLUMNE COUNTY:

Area 1: Except Eastern part
Area 2: Eastern part

"AREA 1" WAGE RATES ARE LISTED BELOW

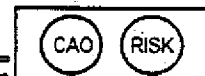
"AREA 2" RECEIVES AN ADDITIONAL \$2.00 PER HOUR ABOVE AREA 1 RATES.

SEE AREA DEFINITIONS BELOW

	Rates	Fringes
OPERATOR: Power Equipment (AREA 1:)		
GROUP 1.....	\$ 39.85	27.44
GROUP 2.....	\$ 38.32	27.44
GROUP 3.....	\$ 36.84	27.44
GROUP 4.....	\$ 35.46	27.44
GROUP 5.....	\$ 34.19	27.44
GROUP 6.....	\$ 32.87	27.44
GROUP 7.....	\$ 31.73	27.44
GROUP 8.....	\$ 30.59	27.44
GROUP 8-A.....	\$ 28.38	27.44

OPERATOR: Power Equipment (Cranes and Attachments - AREA 1:)		
GROUP 1		
Cranes.....	\$ 40.73	27.44
Oiler.....	\$ 33.76	27.44
Truck crane oiler.....	\$ 37.33	27.44
GROUP 2		
Cranes.....	\$ 38.97	27.44
Oiler.....	\$ 33.50	27.44
Truck crane oiler.....	\$ 37.04	27.44
GROUP 3		
Cranes.....	\$ 37.23	27.44
Hydraulic.....	\$ 32.87	27.44
Oiler.....	\$ 33.26	27.44
Truck Crane Oiler.....	\$ 36.77	27.44
GROUP 4		
Cranes.....	\$ 34.19	27.44

OPERATOR: Power Equipment (Piledriving - AREA 1:)		
GROUP 1		
Lifting devices.....	\$ 41.07	27.44
Oiler.....	\$ 31.81	27.44
Truck crane oiler.....	\$ 34.09	27.44



GROUP 2		
Lifting devices.....	\$ 39.25	27.44
Oiler.....	\$ 31.54	27.44
Truck Crane Oiler.....	\$ 33.84	27.44

GROUP 3		
Lifting devices.....	\$ 37.57	27.44
Oiler.....	\$ 31.32	27.44
Truck Crane Oiler.....	\$ 33.55	27.44

GROUP 4		
Lifting devices.....	\$ 35.80	27.44

GROUP 5		
Lifting devices.....	\$ 34.50	27.44

GROUP 6		
Lifting devices.....	\$ 33.16	27.44

OPERATOR: Power Equipment
(Steel Erection - AREA 1:)

GROUP 1		
Cranes.....	\$ 41.70	27.44
Oiler.....	\$ 32.15	27.44
Truck Crane Oiler.....	\$ 34.38	27.44

GROUP 2		
Cranes.....	\$ 39.93	27.44
Oiler.....	\$ 31.88	27.44
Truck Crane Oiler.....	\$ 34.16	27.44

GROUP 3		
Cranes.....	\$ 38.45	27.44
Hydraulic.....	\$ 32.67	27.44
Oiler.....	\$ 31.66	27.44
Truck Crane Oiler.....	\$ 33.89	27.44

GROUP 4		
Cranes.....	\$ 36.43	27.44

GROUP 5		
Cranes.....	\$ 35.13	27.44

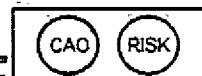
OPERATOR: Power Equipment
(Tunnel and Underground Work
- AREA 1:)

SHAFTS, STOPES, RAISES:

GROUP 1.....	\$ 35.95	27.44
GROUP 1-A.....	\$ 38.32	27.44
GROUP 2.....	\$ 34.59	27.44
GROUP 3.....	\$ 33.36	27.44
GROUP 4.....	\$ 32.22	27.44
GROUP 5.....	\$ 31.08	27.44

UNDERGROUND:

GROUP 1.....	\$ 35.85	27.44
GROUP 1-A.....	\$ 38.32	27.44
GROUP 2.....	\$ 34.59	27.44



GROUP 3.....	\$ 33.26	27.44
GROUP 4.....	\$ 32.12	27.44
GROUP 5.....	\$ 30.98	27.44

FOOTNOTE: Work suspended by ropes or cables, or work on a Yo-Yo Cat: \$.60 per hour additional.

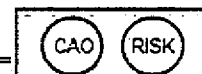
POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Operator of helicopter (when used in erection work); Hydraulic excavator, 7 cu. yds. and over; Power shovels, over 7 cu. yds.

GROUP 2: Highline cableway; Hydraulic excavator, 3-1/2 cu. yds. up to 7 cu. yds.; Licensed construction work boat operator, on site; Power blade operator (finish); Power shovels, over 1 cu. yd. up to and including 7 cu. yds. m.r.c.

GROUP 3: Asphalt milling machine; Cable backhoe; Combination backhoe and loader over 3/4 cu. yds.; Continuous flight tie back machine assistant to engineer or mechanic; Crane mounted continuous flight tie back machine, tonnage to apply; Crane mounted drill attachment, tonnage to apply; Dozer, slope brd; Gradall; Hydraulic excavator, up to 3 1/2 cu. yds.; Loader 4 cu. yds. and over; Long reach excavator; Multiple engine scraper (when used as push pull); Power shovels, up to and including 1 cu. yd.; Pre-stress wire wrapping machine; Side boom cat, 572 or larger; Track loader 4 cu. yds. and over; Wheel excavator (up to and including 750 cu. yds. per hour)

GROUP 4: Asphalt plant engineer/box person; Chicago boom; Combination backhoe and loader up to and including 3/4 cu. yd.; Concrete batch plant (wet or dry); Dozer and/or push cat; Pull- type elevating loader; Gradesetter, grade checker (GPS, mechanical or otherwise); Grooving and grinding machine; Heading shield operator; Heavy-duty drilling equipment, Hughes, LDH, Watson 3000 or similar; Heavy-duty repairperson and/or welder; Lime spreader; Loader under 4 cu. yds.; Lubrication and service engineer (mobile and grease rack); Mechanical finishers or spreader machine (asphalt, Barber-Greene and similar); Miller Formless M-9000 slope paver or similar; Portable crushing and screening plants; Power blade support; Roller operator, asphalt; Rubber-tired scraper, self-loading (paddle-wheels,

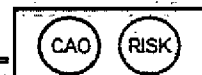


etc.); Rubber-tired earthmoving equipment (scrapers); Slip form paver (concrete); Small tractor with drag; Soil stabilizer (P & H or equal); Spider plow and spider puller; Tubex pile rig; Unlicensed construction work boat operator, on site; Timber skidder; Track loader up to 4 yds.; Tractor-drawn scraper; Tractor, compressor drill combination; Welder; Woods-Mixer (and other similar Pugmill equipment)

GROUP 5: Cast-in-place pipe laying machine; Combination slusher and motor operator; Concrete conveyor or concrete pump, truck or equipment mounted; Concrete conveyor, building site; Concrete pump or pumpcrete gun; Drilling equipment, Watson 2000, Texoma 700 or similar; Drilling and boring machinery, horizontal (not to apply to waterliners, wagon drills or jackhammers); Concrete mixer/all; Person and/or material hoist; Mechanical finishers (concrete) (Clary, Johnson, Bidwell Bridge Deck or similar types); Mechanical burn, curb and/or curb and gutter machine, concrete or asphalt); Mine or shaft hoist; Portable crusher; Power jumbo operator (setting slip-forms, etc., in tunnels); Screed (automatic or manual); Self-propelled compactor with dozer; Tractor with boom D6 or smaller; Trenching machine, maximum digging capacity over 5 ft. depth; Vermeer T-600B rock cutter or similar

GROUP 6: Armor-Coater (or similar); Ballast jack tamper; Boom-type backfilling machine; Assistant plant engineer; Bridge and/or gantry crane; Chemical grouting machine, truck-mounted; Chip spreading machine operator; Concrete saw (self-propelled unit on streets, highways, airports and canals); Deck engineer; Drilling equipment Texoma 600, Hughes 200 Series or similar up to and including 30 ft. m.r.c.; Drill doctor; Helicopter radio operator; Hydro-hammer or similar; Line master; Skidsteer loader, Bobcat larger than 743 series or similar (with attachments); Locomotive; Lull hi-lift or similar; Oiler, truck mounted equipment; Pavement breaker, truck-mounted, with compressor combination; Paving fabric installation and/or laying machine; Pipe bending machine (pipelines only); Pipe wrapping machine (tractor propelled and supported); Screed (except asphaltic concrete paving); Self-propelled pipeline wrapping machine; Tractor; Self-loading chipper; Concrete barrier moving machine

GROUP 7: Ballast regulator; Boom truck or dual-purpose A-frame truck, non-rotating - under 15 tons; Cary lift or



similar; Combination slurry mixer and/or cleaner; Drilling equipment, 20 ft. and under m.r.c.; Firetender (hot plant); Grouting machine operator; Highline cableway signalperson; Stationary belt loader (Kolman or similar); Lift slab machine (Vagtborg and similar types); Maginnes internal full slab vibrator; Material hoist (1 drum); Mechanical trench shield; Pavement breaker with or without compressor combination); Pipe cleaning machine (tractor propelled and supported); Post driver; Roller (except asphalt); Chip Seal; Self-propelled automatically applied concrete curing machine (on streets, highways, airports and canals); Self-propelled compactor (without dozer); Signalperson; Slip-form pumps (lifting device for concrete forms); Tie spacer; Tower mobile; Trenching machine, maximum digging capacity up to and including 5 ft. depth; Truck-type loader

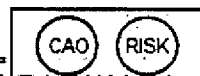
GROUP 8: Bit sharpener; Boiler tender; Box operator; Brakeperson; Combination mixer and compressor (shotcrete/gunite); Compressor operator; Deckhand; Fire tender; Forklift (under 20 ft.); Generator; Gunite/shotcrete equipment operator; Hydraulic monitor; Ken seal machine (or similar); Mixermobile; Oiler; Pump operator; Refrigeration plant; Reservoir-debris tug (self-propelled floating); Ross Carrier (construction site); Rotomist operator; Self-propelled tape machine; Shuttlecar; Self-propelled power sweeper operator (includes vacuum sweeper); Slusher operator; Surface heater; Switchperson; Tar pot firetender; Tugger hoist, single drum; Vacuum cooling plant; Welding machine (powered other than by electricity)

GROUP 8-A: Elevator operator; Skidsteer loader-Bobcat 743 series or smaller, and similar (without attachments); Mini excavator under 25 H.P. (backhoe-trencher); Tub grinder wood chipper

ALL CRANES AND ATTACHMENTS

GROUP 1: Clamshell and dragline over 7 cu. yds.; Crane, over 100 tons; Derrick, over 100 tons; Derrick barge pedestal-mounted, over 100 tons; Self-propelled boom-type lifting device, over 100 tons

GROUP 2: Clamshell and dragline over 1 cu. yd. up to and including 7 cu. yds.; Crane, over 45 tons up to and



including 100 tons; Derrick barge, 100 tons and under;
Self-propelled boom-type lifting device, over 45 tons;
Tower crane

GROUP 3: Clamshell and dragline up to and including 1 cu.
yd.; Cranes 45 tons and under; Self-propelled boom-type
lifting device 45 tons and under;

GROUP 4: Boom Truck or dual purpose A-frame truck,
non-rotating over 15 tons; Truck-mounted rotating
telescopic boom type lifting device, Manitex or similar
(boom truck) over 15 tons; Truck-mounted rotating
telescopic boom type lifting device, Manitex or similar
(boom truck) - under 15 tons;

PILEDRIVERS

GROUP 1: Derrick barge pedestal mounted over 100 tons;
Clamshell over 7 cu. yds.; Self-propelled boom-type lifting
device over 100 tons; Truck crane or crawler, land or barge
mounted over 100 tons

GROUP 2: Derrick barge pedestal mounted 45 tons to and
including 100 tons; Clamshell up to and including 7 cu.
yds.; Self-propelled boom-type lifting device over 45 tons;
Truck crane or crawler, land or barge mounted, over 45 tons
up to and including 100 tons; Fundex F-12 hydraulic pile rig

GROUP 3: Derrick barge pedestal mounted under 45 tons; Self-
propelled boom-type lifting device 45 tons and under;
Skid/scow piledriver, any tonnage; Truck crane or crawler,
land or barge mounted 45 tons and under

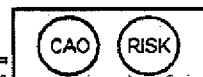
GROUP 4: Assistant operator in lieu of assistant to engineer;
Forklift, 10 tons and over; Heavy-duty repairperson/welder

GROUP 5: Deck engineer

GROUP 6: Deckhand; Fire tender

STEEL ERECTORS

GROUP 1: Crane over 100 tons; Derrick over 100 tons; Self-



propelled boom-type lifting device over 100 tons

GROUP 2: Crane over 45 tons to 100 tons; Derrick under 100 tons; Self-propelled boom-type lifting device over 45 tons to 100 tons; Tower crane

GROUP 3: Crane, 45 tons and under; Self-propelled boom-type lifting device, 45 tons and under

GROUP 4: Chicago boom; Forklift, 10 tons and over; Heavy-duty repair person/welder

GROUP 5: Boom cat

TUNNEL AND UNDERGROUND WORK

GROUP 1-A: Tunnel bore machine operator, 20' diameter or more

GROUP 1: Heading shield operator; Heavy-duty repairperson; Mucking machine (rubber tired, rail or track type); Raised bore operator (tunnels); Tunnel mole bore operator

GROUP 2: Combination slusher and motor operator; Concrete pump or pumpcrete gun; Power jumbo operator

GROUP 3: Drill doctor; Mine or shaft hoist

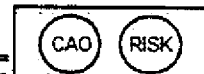
GROUP 4: Combination slurry mixer cleaner; Grouting Machine operator; Motorman

GROUP 5: Bit Sharpener; Brakeman; Combination mixer and compressor (gunite); Compressor operator; Oiler; Pump operator; Slusher operator

AREA DESCRIPTIONS:

POWER EQUIPMENT OPERATORS, CRANES AND ATTACHMENTS, TUNNEL AND UNDERGROUND [These areas do not apply to Piledrivers and Steel Erectors]

AREA 1: ALAMEDA, BUTTE, CONTRA COSTA, KINGS, MARIN, MERCED, NAPA, SACRAMENTO, SAN BENITO, SAN FRANCISCO, SAN JOAQUIN,



SAN MATEO, SANTA CLARA, SANTA CRUZ, SOLANO, STANISLAUS,
SUTTER, YOLO, AND YUBA COUNTIES

AREA 2 - MODOC COUNTY

THE REMAINING COUNTIES ARE SPLIT BETWEEN AREA 1 AND AREA 2 AS
NOTED BELOW:

ALPINE COUNTY:

Area 1: Northernmost part

Area 2: Remainder

CALAVERAS COUNTY:

Area 1: Except Eastern part

Area 2: Eastern part

COLUSA COUNTY:

Area 1: Eastern part

Area 2: Remainder

DEL NORTE COUNTY:

Area 1: Extreme Southwestern corner

Area 2: Remainder

ELDORADO COUNTY:

Area 1: North Central part

Area 2: Remainder

FRESNO COUNTY

Area 1: Except Eastern part

Area 2: Eastern part

GLENN COUNTY:

Area 1: Eastern part

Area 2: Remainder

HUMBOLDT COUNTY:

Area 1: Except Eastern and Southwestern parts

Area 2: Remainder

LAKE COUNTY:

Area 1: Southern part

Area 2: Remainder

LASSEN COUNTY:

Area 1: Western part along the Southern portion of border
with Shasta County



Area 2: Remainder

MADERA COUNTY

Area 1: Remainder

Area 2: Eastern part

MARIPOSA COUNTY

Area 1: Remainder

Area 2: Eastern part

MENDOCINO COUNTY:

Area 1: Central and Southeastern parts

Area 2: Remainder

MONTEREY COUNTY

Area 1: Remainder

Area 2: Southwestern part

NEVADA COUNTY:

Area 1: All but the Northern portion along the border of
Sierra County

Area 2: Remainder

PLACER COUNTY:

Area 1: All but the Central portion

Area 2: Remainder

PLUMAS COUNTY:

Area 1: Western portion

Area 2: Remainder

SHASTA COUNTY:

Area 1: All but the Northeastern corner

Area 2: Remainder

SIERRA COUNTY:

Area 1: Western part

Area 2: Remainder

SISKIYOU COUNTY:

Area 1: Central part

Area 2: Remainder

SONOMA COUNTY:

Area 1: All but the Northwestern corner

Area 2: Remainder

TEHAMA COUNTY:
 Area 1: All but the Western border with mendocino & Trinity
 Counties
 Area 2: Remainder

TRINITY COUNTY:
 Area 1: East Central part and the Northeaster border with
 Shasta County
 Area 2: Remainder

TULARE COUNTY:
 Area 1: Remainder
 Area 2: Eastern part

TUOLUMNE COUNTY:
 Area 1: Remainder
 Area 2: Eastern Part

ENGI0003-019 07/01/2013

SEE AREA DESCRIPTIONS BELOW

	Rates	Fringes
OPERATOR: Power Equipment (LANDSCAPE WORK ONLY)		
GROUP 1		
AREA 1.....	\$ 29.64	25.71
AREA 2.....	\$ 31.64	25.71
GROUP 2		
AREA 1.....	\$ 26.04	25.71
AREA 2.....	\$ 28.04	25.71
GROUP 3		
AREA 1.....	\$ 21.43	25.71
AREA 2.....	\$ 23.43	25.71

GROUP DESCRIPTIONS:

GROUP 1: Landscape Finish Grade Operator: All finish grade work regardless of equipment used, and all equipment with a rating more than 65 HP.

GROUP 2: Landscape Operator up to 65 HP: All equipment with a manufacturer's rating of 65 HP or less except equipment covered by Group 1 or Group 3. The following equipment shall be included except when used for finish work as long



as manufacturer's rating is 65 HP or less: A-Frame and Winch Truck, Backhoe, Forklift, Hydragraphic Seeder Machine, Roller, Rubber-Tired and Track Earthmoving Equipment, Skiploader, Straw Blowers, and Trencher 31 HP up to 65 HP.

GROUP 3: Landscae Utility Operator: Small Rubber-Tired Tractor, Trencher Under 31 HP.

AREA DESCRIPTIONS:

AREA 1: ALAMEDA, BUTTE, CONTRA COSTA, KINGS, MARIN, MERCED, NAPA, SACRAMENTO, SAN BENITO, SAN FRANCISCO, SAN JOAQUIN, SAN MATEO, SANTA CLARA, SANTA CRUZ, SOLANO, STANISLAUS, SUTTER, YOLO, AND YUBA COUNTIES

AREA 2 - MODOC COUNTY

THE REMAINING COUNTIES ARE SPLIT BETWEEN AREA 1 AND AREA 2 AS NOTED BELOW:

ALPINE COUNTY:

Area 1: Northernmost part
Area 2: Remainder

CALAVERAS COUNTY:

Area 1: Except Eastern part
Area 2: Eastern part

COLUSA COUNTY:

Area 1: Eastern part
Area 2: Remainder

DEL NORTE COUNTY:

Area 1: Extreme Southwestern corner
Area 2: Remainder

ELDORADO COUNTY:

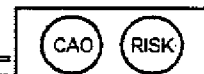
Area 1: North Central part
Area 2: Remainder

FRESNO COUNTY

Area 1: Except Eastern part
Area 2: Eastern part

GLENN COUNTY:

Area 1: Eastern part



Area 2: Remainder

HUMBOLDT COUNTY:

Area 1: Except Eastern and Southwestern parts

Area 2: Remainder

LAKE COUNTY:

Area 1: Southern part

Area 2: Remainder

LASSEN COUNTY:

Area 1: Western part along the Southern portion of border
with Shasta County

Area 2: Remainder

MADERA COUNTY

Area 1: Remainder

Area 2: Eastern part

MARIPOSA COUNTY

Area 1: Remainder

Area 2: Eastern part

MENDOCINO COUNTY:

Area 1: Central and Southeastern parts

Area 2: Remainder

MONTEREY COUNTY

Area 1: Remainder

Area 2: Southwestern part

NEVADA COUNTY:

Area 1: All but the Northern portion along the border of
Sierra County

Area 2: Remainder

PLACER COUNTY:

Area 1: All but the Central portion

Area 2: Remainder

PLUMAS COUNTY:

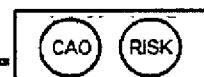
Area 1: Western portion

Area 2: Remainder

SHASTA COUNTY:

Area 1: All but the Northeastern corner

Area 2: Remainder



SIERRA COUNTY:
Area 1: Western part
Area 2: Remainder

SISKIYOU COUNTY:
Area 1: Central part
Area 2: Remainder

SONOMA COUNTY:
Area 1: All but the Northwestern corner
Area 2: Reaminder

TEHAMA COUNTY:
Area 1: All but the Western border with mendocino & Trinity
Counties
Area 2: Remainder

TRINITY COUNTY:
Area 1: East Central part and the Northeaster border with
Shasta County
Area 2: Remainder

TULARE COUNTY;
Area 1: Remainder
Area 2: Eastern part

TUOLUMNE COUNTY:
Area 1: Remainder
Area 2: Eastern Part

IRON0377-002 07/01/2015

	Rates	Fringes
Ironworkers:		
Fence Erector.....	\$ 27.08	20.21
Ornamental, Reinforcing and Structural.....	\$ 33.50	28.85

PREMIUM PAY:

\$6.00 additional per hour at the following locations:

China Lake Naval Test Station, Chocolate Mountains Naval
Reserve-Niland,



Edwards AFB, Fort Irwin Military Station, Fort Irwin Training Center-Goldstone, San Clemente Island, San Nicholas Island, Susanville Federal Prison, 29 Palms - Marine Corps, U.S. Marine Base - Barstow, U.S. Naval Air Facility - Sealey, Vandenberg AFB

\$4.00 additional per hour at the following locations:

Army Defense Language Institute - Monterey, Fallon Air Base, Naval Post Graduate School - Monterey, Yermo Marine Corps Logistics Center

\$2.00 additional per hour at the following locations:

Port Hueneme, Port Mugu, U.S. Coast Guard Station - Two Rock

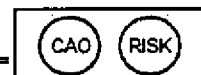
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AREA "A" - ALAMEDA, CONTRA COSTA, MARIN, SAN FRANCISCO, SAN MATEO AND SANTA CLARA COUNTIES

AREA "B" - ALPINE, AMADOR, BUTTE, CALAVERAS, COLUSA, DEL NORTE, EL DORADO, FRESNO, GLENN, HUMBOLDT, KINGS, LAKE, LASSEN, MADERA, MARIPOSA, MENDOCINO, MERCED, MODOC, MONTEREY, NAPA, NEVADA, PLACER, PLUMAS, SACRAMENTO, SAN BENITO, SAN JOAQUIN, SANTA CRUZ, SHASTA, SIERRA, SISKIYOU, SOLANO, SONOMA, STANISLAUS, SUTTER, TEHAMA, TRINITY, TULARE, TUOLUMNE, YOLO AND YUBA COUNTIES

	Rates	Fringes
Asbestos Removal Laborer		
Areas A & B.....	\$ 20.06	9.62
LABORER (Lead Removal)		
Area A.....	\$ 29.02	20.82
Area B.....	\$ 28.02	20.82

ASBESTOS REMOVAL-SCOPE OF WORK: Site mobilization; initial site clean-up; site preparation; removal of asbestos-containing materials from walls and ceilings; or from pipes, boilers and mechanical systems only if they are being scrapped; encapsulation, enclosure and disposal of asbestos-containing materials by hand or with equipment or machinery; scaffolding; fabrication of temporary wooden barriers; and assembly of decontamination stations.



AREA "A" - ALAMEDA, CONTRA COSTA, MARIN, SAN FRANCISCO, SAN MATEO AND SANTA CLARA COUNTIES

AREA "B" - ALPINE, AMADOR, BUTTE, CALAVERAS, COLUSA, EL DORADO, FRESNO, GLENN, KINGS, LASSEN, MADERA, MARIPOSA, MERCED, MODOC, MONTEREY, NAPA, NEVADA, PLACER, PLUMAS, SACRAMENTO, SAN BENITO, SAN JOAQUIN, SANTA CRUZ, SHASTA, SIERRA, SISKIYOU, SOLANO, SONOMA, STANISLAUS, SUTTER, TEHAMA, TRINITY, TULARE, TUOLUMNE, YOLO AND YUBA COUNTIES

Rates Fringes

Laborers: (CONSTRUCTION CRAFT LABORERS - AREA A:)

Construction Specialist

Group.....	\$ 29.09	18.66
GROUP 1.....	\$ 28.39	18.66
GROUP 1-a.....	\$ 28.61	18.66
GROUP 1-c.....	\$ 28.44	18.66
GROUP 1-e.....	\$ 28.94	18.66
GROUP 1-f.....	\$ 28.97	18.66
GROUP 1-g (Contra Costa County).....	\$ 28.59	18.66
GROUP 2.....	\$ 28.24	18.66
GROUP 3.....	\$ 28.14	18.66
GROUP 4.....	\$ 21.83	18.66

See groups 1-b and 1-d under laborer classifications.

Laborers: (CONSTRUCTION CRAFT LABORERS - AREA B:)

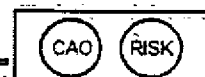
Construction Specialist

Group.....	\$ 28.09	18.66
GROUP 1.....	\$ 27.39	18.66
GROUP 1-a.....	\$ 27.61	18.66
GROUP 1-c.....	\$ 27.44	18.66
GROUP 1-e.....	\$ 27.94	18.66
GROUP 1-f.....	\$ 27.97	18.66
GROUP 2.....	\$ 27.24	18.66
GROUP 3.....	\$ 27.14	18.66
GROUP 4.....	\$ 20.83	18.66

See groups 1-b and 1-d under laborer classifications.

Laborers: (GUNITE - AREA A:)

GROUP 1.....	\$ 29.35	18.66
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GROUP 2.....	\$ 28.85	18.66
GROUP 3.....	\$ 28.26	18.66
GROUP 4.....	\$ 28.14	18.66
Laborers: (GUNITE - AREA B:)		
GROUP 1.....	\$ 28.35	18.66
GROUP 2.....	\$ 27.85	18.66
GROUP 3.....	\$ 27.26	18.66
GROUP 4.....	\$ 27.14	18.66
Laborers: (WRECKING - AREA A:)		
GROUP 1.....	\$ 28.39	18.66
GROUP 2.....	\$ 28.24	18.66
Laborers: (WRECKING - AREA B:)		
GROUP 1.....	\$ 27.39	18.66
GROUP 2.....	\$ 27.24	18.66
Landscape Laborer (GARDENERS, HORTICULTURAL & LANDSCAPE LABORERS - AREA A:)		
(1) New Construction.....	\$ 28.14	18.66
(2) Establishment Warranty Period.....		
	\$ 21.83	18.66
Landscape Laborer (GARDENERS, HORTICULTURAL & LANDSCAPE LABORERS - AREA B:)		
(1) New Construction.....	\$ 27.14	18.66
(2) Establishment Warranty Period.....		
	\$ 20.83	18.66

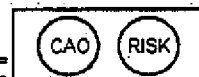
FOOTNOTES:

Laborers working off or with or from bos'n chairs, swinging scaffolds, belts shall receive \$0.25 per hour above the applicable wage rate. This shall not apply to workers entitled to receive the wage rate set forth in Group 1-a below.

LABORER CLASSIFICATIONS

CONSTRUCTION SPECIALIST GROUP: Asphalt ironer and raker; Chainsaw; Laser beam in connection with laborers' work; Cast-in- place manhole form setter; Pressure pipelayer; Davis trencher - 300 or similar type (and all small trenchers); Blaster; Diamond driller; Multiple unit drill; Hydraulic drill

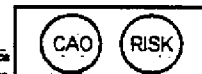
GROUP 1: Asphalt spreader boxes (all types); Barko, Wacker



and similar type tampers; Buggymobile; Caulker, bander, pipewrapper, conduit layer, plastic pipelayer; Certified hazardous waste worker including Leade Abatement; Compactors of all types; Concrete and magnesite mixer, 1/2 yd. and under; Concrete pan work; Concrete sander; Concrete saw; Cribber and/or shoring; Cut granite curb setter; Dri-pak-it machine; Faller, logloader and bucket; Form raiser, slip forms; Green cutter; Headerboard, Hubsetter, aligner, by any method; High pressure blow pipe (1-1/2" or over, 100 lbs. pressure/over); Hydro seeder and similar type; Jackhammer operator; Jacking of pipe over 12 inches; Jackson and similar type compactor; Kettle tender, pot and worker applying asphalt, lay-kold, creosote, lime, caustic and similar type materials (applying means applying, dipping or handling of such materials); Lagging, sheeting, whaling, bracing, trenchjacking, lagging hammer; Magnesite, epoxyresin, fiberglass, mastic worker (wet or dry); No joint pipe and stripping of same, including repair of voids; Pavement breaker and spader, including tool grinder; Perma curb; Pipelayer (including grade checking in connection with pipelaying); Precast-manhole setter; Pressure pipe tester; Post hole digger, air, gas and electric; Power broom sweeper; Power tampers of all types (except as shown in Group 2); Ram set gun and stud gun; Riprap stonepaver and rock-slinger, including placing of sacked concrete and/or sand (wet or dry) and gabions and similar type; Rotary scarifier or multiple head concrete chipping scarifier; Roto and Ditch Witch; Rototiller; Sandblaster, pot, gun, nozzle operators; Signalling and rigging; Tank cleaner; Tree climber; Turbo blaster; Vibrascreed, bull float in connection with laborers' work; Vibrator; Hazardous waste worker (lead removal); Asbestos and mold removal worker

GROUP 1-a: Joy drill model TWM-2A; Gardner-Denver model DH143 and similar type drills; Track driller; Jack leg driller; Wagon driller; Mechanical drillers, all types regardless of type or method of power; Mechanical pipe layers, all types regardless of type or method of power; Blaster and powder; All work of loading, placing and blasting of all powder and explosives of whatever type regardless of method used for such loading and placing; High scalers (including drilling of same); Tree topper; Bit grinder

GROUP 1-b: Sewer cleaners shall receive \$4.00 per day above Group 1 wage rates. "Sewer cleaner" means any worker who handles or comes in contact with raw sewage in small



diameter sewers. Those who work inside recently active, large diameter sewers, and all recently active sewer manholes shall receive \$5.00 per day above Group 1 wage rates.

GROUP 1-c: Burning and welding in connection with laborers' work; Synthetic thermoplastics and similar type welding

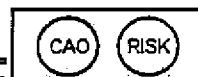
GROUP 1-d: Maintenance and repair track and road beds. All employees performing work covered herein shall receive \$.25 per hour above their regular rate for all work performed on underground structures not specifically covered herein. This paragraph shall not be construed to apply to work below ground level in open cut. It shall apply to cut and cover work of subway construction after the temporary cover has been placed.

GROUP 1-e: Work on and/or in bell hole footings and shafts thereof, and work on and in deep footings. (A deep footing is a hole 15 feet or more in depth.) In the event the depth of the footing is unknown at the commencement of excavation, and the final depth exceeds 15 feet, the deep footing wage rate would apply to all employees for each and every day worked on or in the excavation of the footing from the date of inception.

GROUP 1-f: Wire winding machine in connection with guniting or shot crete

GROUP 1-g, CONTRA COSTA COUNTY: Pipelayer (including grade checking in connection with pipelaying); Caulker; Bander; Pipewrapper; Conduit layer; Plastic pipe layer; Pressure pipe tester; No joint pipe and stripping of same, including repair of voids; Precast manhole setters, cast in place manhole form setters

GROUP 2: Asphalt shoveler; Cement dumper and handling dry cement or gypsum; Choke-setter and rigger (clearing work); Concrete bucket dumper and chute; Concrete chipping and grinding; Concrete laborer (wet or dry); Driller tender, chuck tender, nipper; Guinea chaser (stake), grout crew; High pressure nozzle, adductor; Hydraulic monitor (over 100 lbs. pressure); Loading and unloading, carrying and hauling of all rods and materials for use in reinforcing concrete construction; Pittsburgh chipper and similar type brush shredders; Sloper; Single foot, hand-held, pneumatic tamper; All pneumatic, air, gas and electric tools not



listed in Groups 1 through 1-f; Jacking of pipe - under 12 inches

GROUP 3: Construction laborers, including bridge and general laborer; Dump, load spotter; Flag person; Fire watcher; Fence erector; Guardrail erector; Gardener, horticultural and landscape laborer; Jetting; Limber, brush loader and piler; Pavement marker (button setter); Maintenance, repair track and road beds; Streetcar and railroad construction track laborer; Temporary air and water lines, Victaulic or similar; Tool room attendant (jobsite only)

GROUP 4: Final clean-up work of debris, grounds and building including but not limited to: street cleaner; cleaning and washing windows; brick cleaner (jobsite only); material cleaner (jobsite only). The classification "material cleaner" is to be utilized under the following conditions:
A: at demolition site for the salvage of the material.
B: at the conclusion of a job where the material is to be salvaged and stocked to be reused on another job.
C: for the cleaning of salvage material at the jobsite or temporary jobsite yard.

The material cleaner classification should not be used in the performance of "form stripping, cleaning and oiling and moving to the next point of erection".

GUNITE LABORER CLASSIFICATIONS

GROUP 1: Structural Nozzleman

GROUP 2: Nozzleman, Gunman, Potman, Groundman

GROUP 3: Reboundman

GROUP 4: Gunite laborer

WRECKING WORK LABORER CLASSIFICATIONS

GROUP 1: Skilled wrecker (removing and salvaging of sash, windows and materials)

GROUP 2: Semi-skilled wrecker (salvaging of other building

materials)

LABO0073-002 06/30/2014

CALAVERAS AND SAN JOAQUIN COUNTIES

Rates Fringes

LABORER (TRAFFIC CONTROL/LANE CLOSURE)

Escort Driver, Flag Person..\$ 27.14	19.03
Traffic Control Person I....\$ 27.44	19.03
Traffic Control Person II...\$ 24.94	19.03

TRAFFIC CONTROL PERSON I: Layout of traffic control, crash cushions, construction area and roadside signage.

TRAFFIC CONTROL PERSON II: Installation and removal of temporary/permanent signs, markers, delineators and crash cushions.

LABO0073-003 06/30/2014

SAN JOAQUIN COUNTY

Rates Fringes

LABORER

Mason Tender-Brick.....\$ 31.11	17.34
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LABO0073-005 06/30/2014

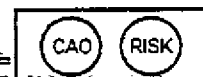
Rates Fringes

Tunnel and Shaft Laborers:

GROUP 1.....\$ 34.60	19.49
GROUP 2.....\$ 34.37	19.49
GROUP 3.....\$ 34.12	19.49
GROUP 4.....\$ 33.67	19.49
GROUP 5.....\$ 33.13	19.49
Shotcrete Specialist.....\$ 35.12	19.49

TUNNEL AND SHAFT CLASSIFICATIONS

GROUP 1: Diamond driller; Groundmen; Gunite and shotcrete



nozzlemen

GROUP 2: Rodmen; Shaft work & raise (below actual or excavated ground level)

GROUP 3: Bit grinder; Blaster, driller, powdermen, heading; Cherry pickermen - where car is lifted; Concrete finisher in tunnel; Concrete screedman; Grout pumpman and potman; Gunite & shotcrete gunman & potman; Headermen; High pressure nozzleman; Miner - tunnel, including top and bottom man on shaft and raise work; Nipper; Nozzleman on slick line; Sandblaster - potman, Robotic Shotcrete Placer, Segment Erector, Tunnel Muck Hauler, Steel Form raiser and setter; Timberman, retimberman (wood or steel or substitute materials therefore); Tugger (for tunnel laborer work); Cable tender; Chuck tender; Powderman - primer house

GROUP 4: Vibrator operator, pavement breaker; Bull gang - muckers, trackmen; Concrete crew - includes rodding and spreading, Dumpmen (any method)

GROUP 5: Grout crew; Reboundman; Swamper/ Brakeman

LABO0166-001 07/01/2006

ALAMEDA AND CONTRA COSTA COUNTIES:

	Rates	Fringes
Brick Tender.....	\$ 25.91	14.65

FOOTNOTES: Work on jobs where heat-protective clothing is required: \$2.00 per hour additional. Work at grinders: \$.25 per hour additional. Manhole work: \$2.00 per day additional.

LABO0166-002 07/01/2007

SAN FRANCISCO AND SAN MATEO COUNTIES:

	Rates	Fringes
MASON TENDER, BRICK.....	\$ 26.93	16.50

FOOTNOTES: Underground work such as sewers, manholes, catch basins, sewer pipes, telephone conduits, tunnels and cut



trenches: \$5.00 per day additional. Work in live sewage:
\$2.50 per day additional.

LABO0261-003 06/30/2014

SAN FRANCISCO AND SAN MATEO COUNTIES

Rates Fringes

LABORER (TRAFFIC CONTROL/LANE
CLOSURE)

Escort Driver, Flag Person..\$ 28.14	19.03
Traffic Control Person I....\$ 28.44	19.03
Traffic Control Person II...\$ 25.94	19.03

TRAFFIC CONTROL PERSON I: Layout of traffic control, crash cushions, construction area and roadside signage.

TRAFFIC CONTROL PERSON II: Installation and removal of temporary/permanent signs, markers, delineators and crash cushions.

LABO0261-005 06/30/2014

SAN FRANCISCO AND SAN MATEO COUNTIES

Rates Fringes

Tunnel and Shaft Laborers:

GROUP 1.....\$ 34.60	19.49
GROUP 2.....\$ 34.37	19.49
GROUP 3.....\$ 34.12	19.49
GROUP 4.....\$ 33.67	19.49
GROUP 5.....\$ 33.13	19.49
Shotcrete Specialist.....\$ 35.12	19.49

TUNNEL AND SHAFT CLASSIFICATIONS

GROUP 1: Diamond driller; Groundmen; Guniting and shotcrete nozzlemen

GROUP 2: Rodmen; Shaft work & raise (below actual or excavated ground level)

GROUP 3: Bit grinder; Blaster, driller, powdermen, heading;



Cherry pickermen - where car is lifted; Concrete finisher in tunnel; Concrete screedman; Grout pumpman and potman; Gunite & shotcrete gunman & potman; Headermen; High pressure nozzleman; Miner - tunnel, including top and bottom man on shaft and raise work; Nipper; Nozzleman on slick line; Sandblaster - potman, Robotic Shotcrete Placer, Segment Erector, Tunnel Muck Hauler, Steel Form raiser and setter; Timberman, retimberman (wood or steel or substitute materials therefore); Tugger (for tunnel laborer work); Cable tender; Chuck tender; Powderman - primer house

GROUP 4: Vibrator operator, pavement breaker; Bull gang - muckers, trackmen; Concrete crew - includes rodding and spreading, Dumpmen (any method)

GROUP 5: Grout crew; Reboundman; Swamper/ Brakeman

LABO0270-003 06/30/2014

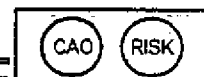
AREA A: SANTA CLARA

AREA B: MONTEREY, SAN BENITO AND SANTA CRUZ COUNTIES

	Rates	Fringes
LABORER (TRAFFIC CONTROL/LANE CLOSURE)		
Escort Driver, Flag Person		
Area A.....	\$ 28.14	19.03
Area B.....	\$ 27.14	19.03
Traffic Control Person I		
Area A.....	\$ 28.44	19.03
Area B.....	\$ 27.44	19.03
Traffic Control Person II		
Area A.....	\$ 25.94	19.03
Area B.....	\$ 24.94	19.03

TRAFFIC CONTROL PERSON I: Layout of traffic control, crash cushions, construction area and roadside signage.

TRAFFIC CONTROL PERSON II: Installation and removal of temporary/permanent signs, markers, delineators and crash cushions.



LABO0270-004 06/30/2014

MONTEREY, SAN BENITO, SANTA CLARA, AND SANTA CRUZ COUNTIES

	Rates	Fringes
Tunnel and Shaft Laborers:		
GROUP 1.....	\$ 34.60	19.49
GROUP 2.....	\$ 34.37	19.49
GROUP 3.....	\$ 34.12	19.49
GROUP 4.....	\$ 33.67	19.49
GROUP 5.....	\$ 33.13	19.49
Shotcrete Specialist.....	\$ 35.12	19.49

TUNNEL AND SHAFT CLASSIFICATIONS

GROUP 1: Diamond driller; Groundmen; Gunite and shotcrete nozzlemen

GROUP 2: Rodmen; Shaft work & raise (below actual or excavated ground level)

GROUP 3: Bit grinder; Blaster, driller, powdermen, heading; Cherry pickermen - where car is lifted; Concrete finisher in tunnel; Concrete screedman; Grout pumpman and potman; Gunite & shotcrete gunman & potman; Headermen; High pressure nozzleman; Miner - tunnel, including top and bottom man on shaft and raise work; Nipper; Nozzleman on slick line; Sandblaster - potman, Robotic Shotcrete Placer, Segment Erector, Tunnel Muck Hauler, Steel Form raiser and setter; Timberman, retimberman (wood or steel or substitute materials therefore); Tugger (for tunnel laborer work); Cable tender; Chuck tender; Powderman - primer house

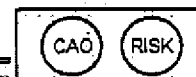
GROUP 4: Vibrator operator, pavement breaker; Bull gang - muckers, trackmen; Concrete crew - includes rodding and spreading, Dumpmen (any method)

GROUP 5: Grout crew; Reboundman; Swamper/ Brakeman

LABO0270-005 07/01/2013

MONTEREY AND SAN BENITO COUNTIES

Rates Fringes



LABORER

Mason Tender-Brick.....\$ 31.70 16.53

LABO0294-001 06/30/2014

FRESNO, KINGS AND MADERA COUNTIES

Rates Fringes

LABORER (Brick)

Mason Tender-Brick.....\$ 31.11 17.34

LABO0294-002 06/30/2014

FRESNO, KINGS, AND MADERA COUNTIES

Rates Fringes

LABORER (TRAFFIC CONTROL/LANE CLOSURE)

Escort Driver, Flag Person..\$ 27.14 19.03

Traffic Control Person I...\$ 27.44 19.03

Traffic Control Person II...\$ 24.94 19.03

TRAFFIC CONTROL PERSON I: Layout of traffic control, crash cushions, construction area and roadside signage.

TRAFFIC CONTROL PERSON II: Installation and removal of temporary/permanent signs, markers, delineators and crash cushions.

LABO0294-005 06/30/2014

FRESNO, KINGS, AND MADERA COUNTIES

Rates Fringes

Tunnel and Shaft Laborers:

GROUP 1.....\$ 34.60 19.49

GROUP 2.....\$ 34.37 19.49

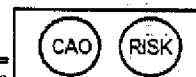
GROUP 3.....\$ 34.12 19.49

GROUP 4.....\$ 33.67 19.49

GROUP 5.....\$ 33.13 19.49

Shotcrete Specialist.....\$ 35.12 19.49

TUNNEL AND SHAFT CLASSIFICATIONS



GROUP 1: Diamond driller; Groundmen; Gunite and shotcrete nozzlemen

GROUP 2: Rodmen; Shaft work & raise (below actual or excavated ground level)

GROUP 3: Bit grinder; Blaster, driller, powdermen, heading; Cherry pickermen - where car is lifted; Concrete finisher in tunnel; Concrete screedman; Grout pumpman and potman; Gunite & shotcrete gunman & potman; Headermen; High pressure nozzleman; Miner - tunnel, including top and bottom man on shaft and raise work; Nipper; Nozzleman on slick line; Sandblaster - potman, Robotic Shotcrete Placer, Segment Erector, Tunnel Muck Hauler, Steel Form raiser and setter; Timberman, retimberman (wood or steel or substitute materials therefore); Tugger (for tunnel laborer work); Cable tender; Chuck tender; Powderman - primer house

GROUP 4: Vibrator operator, pavement breaker; Bull gang - muckers, trackmen; Concrete crew - includes rodding and spreading, Dumpmen (any method)

GROUP 5: Grout crew; Reboundman; Swamper/ Brakeman

LABO0304-002 06/30/2014

ALAMEDA COUNTY

Rates Fringes

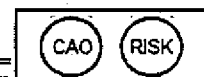
LABORER (TRAFFIC CONTROL/LANE CLOSURE)

Escort Driver, Flag Person..\$ 28.14	19.03
Traffic Control Person I...\$ 28.44	19.03
Traffic Control Person II...\$ 25.94	19.03

TRAFFIC CONTROL PERSON I: Layout of traffic control, crash cushions, construction area and roadside signage.

TRAFFIC CONTROL PERSON II: Installation and removal of temporary/permanent signs, markers, delineators and crash cushions.

LABO0304-003 06/30/2014



ALAMEDA COUNTY

Rates Fringes

Tunnel and Shaft Laborers:

GROUP 1.....	\$ 34.60	19.49
GROUP 2.....	\$ 34.37	19.49
GROUP 3.....	\$ 34.12	19.49
GROUP 4.....	\$ 33.67	19.49
GROUP 5.....	\$ 33.13	19.49
Shotcrete Specialist.....	\$ 35.12	19.49

TUNNEL AND SHAFT CLASSIFICATIONS

GROUP 1: Diamond driller; Groundmen; Gunite and shotcrete nozzlemen

GROUP 2: Rodmen; Shaft work & raise (below actual or excavated ground level)

GROUP 3: Bit grinder; Blaster, driller, powdermen, heading; Cherry pickermen - where car is lifted; Concrete finisher in tunnel; Concrete screedman; Grout pumpman and potman; Gunite & shotcrete gunman & potman; Headermen; High pressure nozzleman; Miner - tunnel, including top and bottom man on shaft and raise work; Nipper; Nozzleman on slick line; Sandblaster - potman, Robotic Shotcrete Placer, Segment Erector, Tunnel Muck Hauler, Steel Form raiser and setter; Timberman, retimberman (wood or steel or substitute materials therefore); Tugger (for tunnel laborer work); Cable tender; Chuck tender; Powderman - primer house

GROUP 4: Vibrator operator, pavement breaker; Bull gang - muckers, trackmen; Concrete crew - includes rodding and spreading, Dumpmen (any method)

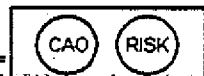
GROUP 5: Grout crew; Reboundman; Swamper/ Brakeman

LABO0324-002 06/30/2014

CONTRA COSTA COUNTY

Rates Fringes

LABORER (TRAFFIC CONTROL/LANE



CLOSURE)

Escort Driver, Flag Person..\$ 28.14	19.03
Traffic Control Person I...\$ 28.44	19.03
Traffic Control Person II...\$ 25.94	19.03

TRAFFIC CONTROL PERSON I: Layout of traffic control, crash cushions, construction area and roadside signage.

TRAFFIC CONTROL PERSON II: Installation and removal of temporary/permanent signs, markers, delineators and crash cushions.

LABO0324-006 06/30/2014

CONTRA COSTA COUNTY

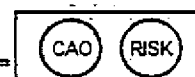
	Rates	Fringes
Tunnel and Shaft Laborers:		
GROUP 1.....	\$ 34.60	19.49
GROUP 2.....	\$ 34.37	19.49
GROUP 3.....	\$ 34.12	19.49
GROUP 4.....	\$ 33.67	19.49
GROUP 5.....	\$ 33.13	19.49
Shotcrete Specialist.....	\$ 35.12	19.49

TUNNEL AND SHAFT CLASSIFICATIONS

GROUP 1: Diamond driller; Groundmen; Gunite and shotcrete nozzlelemen

GROUP 2: Rodmen; Shaft work & raise (below actual or excavated ground level)

GROUP 3: Bit grinder; Blaster, driller, powdermen, heading; Cherry pickermen - where car is lifted; Concrete finisher in tunnel; Concrete screedman; Grout pumpman and potman; Gunite & shotcrete gunman & potman; Headermen; High pressure nozzleman; Miner - tunnel, including top and bottom man on shaft and raise work; Nipper; Nozzleman on slick line; Sandblaster - potman, Robotic Shotcrete Placer, Segment Erector; Tunnel Muck Hauler, Steel Form raiser and setter; Timberman, retimberman (wood or steel or substitute materials therefore); Tugger (for tunnel laborer work); Cable tender; Chuck tender; Powderman - primer house



GROUP 4: Vibrator operator, pavement breaker; Bull gang - muckers, trackmen; Concrete crew - includes rodding and spreading, Dumpmen (any method)

GROUP 5: Grout crew; Reboundman; Swamper/ Brakeman

LABO1130-002 06/30/2014

MARIPOSA, MERCED, STANISLAUS, AND TUOLUMNE COUNTIES

Rates Fringes

LABORER (TRAFFIC CONTROL/LANE CLOSURE)

Escort Driver, Flag Person..\$ 27.14	19.03
Traffic Control Person I...\$ 27.44	19.03
Traffic Control Person II...\$ 24.94	19.03

TRAFFIC CONTROL PERSON I: Layout of traffic control, crash cushions, construction area and roadside signage.

TRAFFIC CONTROL PERSON II: Installation and removal of temporary/permanent signs, markers, delineators and crash cushions.

LABO1130-003 06/30/2014

MARIPOSA, MERCED, STANISLAUS, AND TUOLUMNE COUNTIES

Rates Fringes

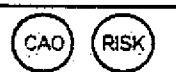
Tunnel and Shaft Laborers:

GROUP 1.....\$ 34.60	19.49
GROUP 2.....\$ 34.37	19.49
GROUP 3.....\$ 34.12	19.49
GROUP 4.....\$ 33.67	19.49
GROUP 5.....\$ 33.13	19.49
Shotcrete Specialist.....\$ 35.12	19.49

TUNNEL AND SHAFT CLASSIFICATIONS

GROUP 1: Diamond driller; Groundmen; Gunite and shotcrete nozzlelemen

GROUP 2: Rodmen; Shaft work & raise (below actual or



excavated ground level)

GROUP 3: Bit grinder; Blaster, driller, powdermen, heading; Cherry pickermen - where car is lifted; Concrete finisher in tunnel; Concrete screedman; Grout pumpman and potman; Gunite & shotcrete gunman & potman; Headermen; High pressure nozzleman; Miner - tunnel, including top and bottom man on shaft and raise work; Nipper; Nozzleman on slick line; Sandblaster - potman, Robotic Shotcrete Placer, Segment Erector, Tunnel Muck Hauler, Steel Form raiser and setter; Timberman, retimberman (wood or steel or substitute materials therefore); Tugger (for tunnel laborer work); Cable tender; Chuck tender; Powderman - primer house

GROUP 4: Vibrator operator, pavement breaker; Bull gang - muckers, trackmen; Concrete crew - includes rodding and spreading, Dumpmen (any method)

GROUP 5: Grout crew; Reboundman; Swamper/ Brakeman

LABO1130-005 06/30/2014

MARIPOSA, MERCED, STANISLAUS AND TUOLUMNE COUNTIES

Rates Fringes

LABORER

Mason Tender-Brick.....\$ 31.11 17.34

LABO1414-004 08/05/2015

SAN FRANCISCO AND SAN MATEO COUNTIES:

Rates Fringes

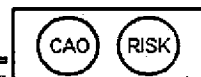
PLASTER TENDER.....\$ 32.71 17.11

Work on a swing stage scaffold: \$1.00 per hour additional.

LABO1414-007 08/05/2015

CALAVERAS, FRESNO, KINGS, MADERA, MARIPOSA, MERCED, SAN JOAQUIN, STANISLAUS & TUOLUMNE

Rates Fringes



Plasterer tender.....\$ 32.71 17.11

Work on a swing stage scaffold: \$1.00 per hour additional.

LABO1414-008 08/05/2015

ALAMEDA AND CONTRA COSTA COUNTIES:

Rates Fringes

Plasterer tender.....\$ 32.71 17.11

Work on a swing stage scaffold: \$1.00 per hour additional.

LABO1414-010 08/05/2015

SANTA CLARA AND SANTA CRUZ COUNTIES

Rates Fringes

PLASTER TENDER

4 Stories and under.....\$ 30.71 17.11

5 Stories and above.....\$ 32.71 17.11

Work on a swing stage scaffold: \$1.00 per hour additional.

LABO1414-011 08/05/2015

MONTEREY AND SAN BENITO COUNTIES

Rates Fringes

Plasterer tender.....\$ 32.71 17.11

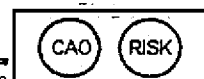
Work on a swing stage scaffold: \$1.00 per hour additional.

PAIN0016-001 01/01/2015

ALAMEDA, CONTRA COSTA, MONTEREY, SAN BENITO, SAN MATEO, SANTA CLARA, AND SANTA CRUZ COUNTIES

Rates Fringes

Painters.....\$ 36.45 21.48



PREMIUMS:

EXOTIC MATERIALS - \$0.75 additional per hour.
SPRAY WORK: - \$0.50 additional per hour.
INDUSTRIAL PAINTING - \$0.25 additional per hour
[Work on industrial buildings used for the manufacture and
processing of goods for sale or service; steel construction
(bridges), stacks, towers, tanks, and similar structures]

HIGH WORK:

over 50 feet - \$2.00 per hour additional
100 to 180 feet - \$4.00 per hour additional
Over 180 feet - \$6.00 per hour additional

PAIN0016-003 09/01/2015

AREA 1: ALAMEDA, CONTRA COSTA, SAN FRANCISCO, SAN MATEO & SANTA CLARA COUNTIES

AREA 2: CALAVERAS, MARIPOSA, MERCED, MONTEREY, SAN BENITO, SAN JOAQUIN, SANTA CRUZ, STANISLAUS & TUOLUMNE COUNTIES

	Rates	Fringes
Drywall Finisher/Taper		
AREA 1.....	\$ 42.37	21.33
AREA 2.....	\$ 38.24	19.93

PAIN0016-012 01/01/2015

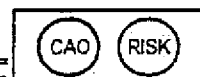
ALAMEDA, CONTRA COSTA, MARIPOSA, MERCED, MONTEREY, SAN BENITO, SAN FRANCISCO, SAN MATEO, SANTA CLARA AND SANTA CRUZ COUNTIES

	Rates	Fringes
SOFT FLOOR LAYER.....	\$ 46.20	18.73

PAIN0016-015 01/01/2015

CALAVERAS, MARIPOSA, MERCED, SAN JOAQUIN, STANISLAUS & TUOLUMNE COUNTIES

Rates	Fringes
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PAINTER
 Brush.....\$ 30.85 16.85

FOOTNOTES:
 SPRAY/SANDBLAST: \$0.50 additional per hour.
 EXOTIC MATERIALS: \$1.00 additional per hour.
 HIGH TIME: Over 50 ft above ground or water level \$2.00
 additional per hour. 100 to 180 ft above ground or water
 level \$4.00 additional per hour. Over 180 ft above ground
 or water level \$6.00 additional per hour.

 PAIN0016-022 01/01/2015

SAN FRANCISCO COUNTY

	Rates	Fringes
PAINTER.....	\$ 40.07	21.48

 PAIN0169-001 01/01/2015

FRESNO, KINGS, MADERA, MARIPOSA AND MERCED COUNTIES:

	Rates	Fringes
GLAZIER.....	\$ 34.83	19.75

 PAIN0169-005 01/01/2015

ALAMEDA CONTRA COSTA, MONTEREY, SAN BENITO, SAN FRANCISCO, SAN
 MATEO, SANTA CLARA & SANTA CRUZ COUNTIES

	Rates	Fringes
GLAZIER.....	\$ 43.48	24.19

 PAIN0294-004 01/01/2015

FRESNO, KINGS AND MADERA COUNTIES

	Rates	Fringes
PAINTER		
Brush, Roller.....	\$ 25.67	15.68

Drywall Finisher/Taper.....\$ 30.47 16.81

FOOTNOTE:

Spray Painters & Paperhangers recive \$1.00 additional per hour. Painters doing Drywall Patching receive \$1.25 additional per hour. Lead Abaters & Sandblasters receive \$1.50 additional per hour. High Time - over 30 feet (does not include work from a lift) \$0.75 per hour additional.

PAIN0294-005 01/01/2015

FRESNO, KINGS & MADERA

	Rates	Fringes
SOFT FLOOR LAYER.....	\$ 30.83	17.39

PAIN0767-001 01/01/2015

CALAVERAS, SAN JOAQUIN, STANISLAUS AND TUOLUMNE COUNTIES:

	Rates	Fringes
GLAZIER.....	\$ 33.79	22.49

PAID HOLIDAYS: New Year's Day, Martin Luther King, Jr. Day, President's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, and Christmas Day.

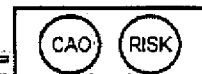
Employee required to wear a body harness shall receive \$1.50 per hour above the basic hourly rate at any elevation.

PAIN1176-001 07/01/2014

HIGHWAY IMPROVEMENT

	Rates	Fringes
Parking Lot Striping/Highway Marking:		
GROUP 1.....	\$ 34.26	11.65
GROUP 2.....	\$ 29.12	11.65
GROUP 3.....	\$ 29.46	11.65

CLASSIFICATIONS



GROUP 1: Striper: Layout and application of painted traffic stripes and marking; hot thermo plastic; tape, traffic stripes and markings

GROUP 2: Gamecourt & Playground Installer

GROUP 3: Protective Coating, Pavement Sealing

PAIN1237-003 01/01/2015

CALAVERAS; SAN JOAQUIN COUNTIES; STANISLAUS AND TUOLUMNE COUNTIES:

	Rates	Fringes
SOFT FLOOR LAYER.....	\$ 31.79	14.93

PLAS0066-002 07/01/2014

ALAMEDA, CONTRA COSTA, SAN MATEO AND SAN FRANCISCO COUNTIES:

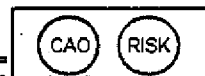
	Rates	Fringes
PLASTERER.....	\$ 35.34	24.21

PLAS0300-001 07/01/2014

	Rates	Fringes
PLASTERER		
AREA 188: Fresno.....	\$ 29.44	22.26
AREA 224: San Benito, Santa Clara, Santa Cruz.....	\$ 31.59	22.26
AREA 295: Calaveras & San Joaquin Counties.....	\$ 31.41	22.26
AREA 337: Monterey County..	\$ 30.52	22.26
AREA 429: Mariposa, Merced, Stanislaus, Tuolumne Counties.....	\$ 31.41	22.26

PLAS0300-005 06/30/2014

	Rates	Fringes
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CEMENT MASON/CONCRETE FINISHER...\$ 30.00 22.07

PLUM0038-001 07/01/2014

SAN FRANCISCO COUNTY

Rates Fringes

PLUMBER (Plumber,
Steamfitter, Refrigeration
Fitter).....\$ 64.00 43.29

PLUM0038-005 07/01/2014

SAN FRANCISCO COUNTY

Rates Fringes

Landscape/Irrigation Fitter
(Underground/Utility Fitter).....\$ 54.40 32.15

* PLUM0062-001 07/01/2015

MONTEREY AND SANTA CRUZ COUNTIES

Rates Fringes

PLUMBER & STEAMFITTER.....\$ 41.55 26.59

PLUM0159-001 07/01/2015

CONTRA COSTA COUNTY

Rates Fringes

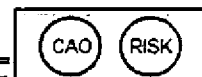
Plumber and steamfitter
(1) Refrigeration.....\$ 52.53 34.44
(2) All other work.....\$ 53.42 34.44

* PLUM0246-001 07/01/2015

FRESNO, KINGS & MADERA COUNTIES

Rates Fringes

PLUMBER & STEAMFITTER.....\$ 37.75 26.89



PLUM0246-004 07/01/2013

FRESNO, MERCED & SAN JOAQUIN COUNTIES

	Rates	Fringes
PLUMBER (PIPE TRADESMAN).....	\$ 13.00	9.77

PIPE TRADESMAN SCOPE OF WORK:

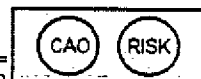
Installation of corrugated metal piping for drainage, as well as installation of corrugated metal piping for culverts in connection with storm sewers and drains; Grouting, dry packing and diaphering of joints, holes or chases including paving over joints, in piping; Temporary piping for dirt work for building site preparation; Operating jack hammers, pavement breakers, chipping guns, concrete saws and spades to cut holes, chases and channels for piping systems; Digging, grading, backfilling and ground preparation for all types of pipe to all points of the jobsite; Ground preparation including ground leveling, layout and planting of shrubbery, trees and ground cover, including watering, mowing, edging, pruning and fertilizing, the breaking of concrete, digging, backfilling and tamping for the preparation and completion of all work in connection with lawn sprinkler and landscaping; Loading, unloading and distributing materials at jobsite; Putting away materials in storage bins in jobsite secure storage area; Demolition of piping and fixtures for remodeling and additions; Setting up and tearing down work benches, ladders and job shacks; Clean-up and sweeping of jobsite; Pipe wrapping and waterproofing where tar or similar material is applied for protection of buried piping; Flagman

PLUM0342-001 07/01/2014

ALAMEDA & CONTRA COSTA COUNTIES

	Rates	Fringes
PIPEFITTER		
CONTRA COSTA COUNTY.....	\$ 54.71	35.99
PLUMBER, PIPEFITTER, STEAMFITTER		
ALAMEDA COUNTY.....	\$ 54.71	35.99

PLUM0355-004 07/01/2015



ALAMEDA, CALAVERAS, CONTRA COSTA, FRESNO, KINGS, MADERA,
 MARIPOSA, MERCED, MONTEREY, SAN BENITO, SAN JOAQUIN, SAN MATEO,
 SANTA CLARA, SANTA CRUZ, STANISLAUS, AND TUOLUMNE COUNTIES:

	Rates	Fringes
Underground Utility Worker /Landscape Fitter.....	\$ 28.60	10.05

* PLUM0393-001 07/01/2015

SAN BENITO AND SANTA CLARA COUNTIES

	Rates	Fringes
PLUMBER/PIPEFITTER.....	\$ 58.91	33.58

* PLUM0442-001 07/01/2015

CALAVERAS, MARIPOSA, MERCED, SAN JOAQUIN, STANISLAUS & TUOLUMNE
 COUNTIES

	Rates	Fringes
PLUMBER & STEAMFITTER.....	\$ 38.75	26.64

PLUM0467-001 07/01/2014

SAN MATEO COUNTY

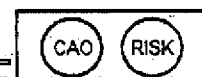
	Rates	Fringes
Plumber/Pipefitter/Steamfitter...	\$ 57.50	31.16

ROOF0027-002 09/01/2014

FRESNO, KINGS, AND MADERA COUNTIES

	Rates	Fringes
ROOFER.....	\$ 26.37	12.68

FOOTNOTE: Work with pitch, pitch base of pitch impregnated
 products or any material containing coal tar pitch, on any



building old or new, where both asphalt and pitchers are used in the application of a built-up roof or tear off:
\$2.00 per hour additional.

ROOF0040-002 08/01/2015

SAN FRANCISCO & SAN MATEO COUNTIES:

	Rates	Fringes
ROOFER.....	\$ 35.50	15.82

ROOF0081-001 08/01/2015

ALAMEDA AND CONTRA COSTA COUNTIES:

	Rates	Fringes
Roofer.....	\$ 36.08	14.90

ROOF0081-004 08/01/2015

CALAVERAS, MARIPOSA, MERCED, SAN JOAQUIN, STANISLAUS AND TUOLUMNE COUNTIES:

	Rates	Fringes
ROOFER.....	\$ 32.71	14.65

ROOF0095-002 08/01/2015

MONTEREY, SAN BENITO, SANTA CLARA, AND SANTA CRUZ COUNTIES:

	Rates	Fringes
ROOFER		
Journeyman.....	\$ 37.55	15.52
Kettle person (2 kettles); Bitumastic, Enameler, Coal Tar, Pitch and Mastic worker.....		
	\$ 39.55	15.52

SFCA0483-001 01/01/2015

ALAMEDA, CONTRA COSTA, SAN FRANCISCO, SAN MATEO AND SANTA CLARA

COUNTIES:

	Rates	Fringes
SPRINKLER FITTER (FIRE).....	\$ 56.02	27.77

SFCA0669-011 07/01/2013

CALAVERAS, FRESNO, KINGS, MADERA, MARIPOSA, MERCED, MONTEREY,
SAN BENITO, SAN JOAQUIN, SANTA CRUZ, STANISLAUS AND TUOLUMNE
COUNTIES:

	Rates	Fringes
SPRINKLER FITTER.....	\$ 32.98	19.35

SHEE0104-001 07/01/2015

AREA 1: ALAMEDA, CONTRA COSTA, SAN FRANCISCO, SAN MATEO, SANTA
CLARA

AREA 2: MONTEREY & SAN BENITO

AREA 3: SANTA CRUZ

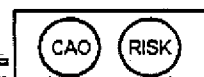
	Rates	Fringes
SHEET METAL WORKER		
AREA 1:		
Mechanical Contracts		
under \$200,000.....	\$ 46.30	40.28
All Other Work.....	\$ 52.20	41.56
AREA 2.....	\$ 41.99	32.86
AREA 3.....	\$ 44.25	29.37

SHEE0104-003 07/01/2015

CALAVERAS AND SAN JOAQUIN COUNTIES:

	Rates	Fringes
SHEET METAL WORKER.....	\$ 36.85	30.90

SHEE0104-005 07/01/2015



MARIPOSA, MERCED, STANISLAUS AND TUOLUMNE COUNTIES:

	Rates	Fringes
SHEET METAL WORKER (Excluding metal deck and siding).....	\$ 36.29	33.79

SHEE0104-007 07/01/2015

FRESNO, KINGS, AND MADERA COUNTIES:

	Rates	Fringes
SHEET METAL WORKER.....	\$ 35.11	33.54

SHEE0104-015 07/01/2015

ALAMEDA, CONTRA COSTA, MONTEREY, SAN BENITO, SAN FRANCISCO, SAN MATEO, SANTA CLARA AND SANTA CRUZ COUNTIES:

	Rates	Fringes
SHEET METAL WORKER (Metal Decking and Siding only).....	\$ 34.15	32.98

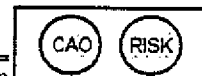
SHEE0104-018 07/01/2015

CALAVERAS, FRESNO, KINGS, MADERA, MARIPOSA, MERCED, SAN JOAQUIN, STANISLAUS AND TUOLUMNE COUNTIES:

	Rates	Fringes
Sheet metal worker (Metal decking and siding only).....	\$ 34.15	32.98

TEAM0094-001 07/01/2015

	Rates	Fringes
Truck drivers:		
GROUP 1.....	\$ 28.57	25.22
GROUP 2.....	\$ 28.87	25.22
GROUP 3.....	\$ 29.17	25.22
GROUP 4.....	\$ 29.52	25.22



GROUP 5.....\$ 29.87 25.22

FOOTNOTES:

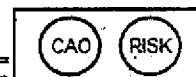
Articulated dump truck; Bulk cement spreader (with or without auger); Dumpcrete truck; Skid truck (debris box); Dry pre-batch concrete mix trucks; Dumpster or similar type; Slurry truck: Use dump truck yardage rate. Heater planer; Asphalt burner; Scarifier burner; Industrial lift truck (mechanical tailgate); Utility and clean-up truck: Use appropriate rate for the power unit or the equipment utilized.

TRUCK DRIVER CLASSIFICATIONS

GROUP 1: Dump trucks, under 6 yds.; Single unit flat rack (2-axle unit); Nipper truck (when flat rack truck is used appropriate flat rack shall apply); Concrete pump truck (when flat rack truck is used appropriate flat rack shall apply); Concrete pump machine; Fork lift and lift jitneys; Fuel and/or grease truck driver or fuel person; Snow buggy; Steam cleaning; Bus or personhaul driver; Escort or pilot car driver; Pickup truck; Teamster oiler/greaser and/or serviceperson; Hook tender (including loading and unloading); Team driver; Tool room attendant (refineries)

GROUP 2: Dump trucks, 6 yds. and under 8 yds.; Transit mixers, through 10 yds.; Water trucks, under 7,000 gals.; Jetting trucks, under 7,000 gals.; Single-unit flat rack (3-axle unit); Highbed heavy duty transport; Scissor truck; Rubber-tired muck car (not self-loaded); Rubber-tired truck jumbo; Winch truck and "A" frame drivers; Combination winch truck with hoist; Road oil truck or bootperson; Buggymobile; Ross, Hyster and similar straddle carriers; Small rubber-tired tractor

GROUP 3: Dump trucks, 8 yds. and including 24 yds.; Transit mixers, over 10 yds.; Water trucks, 7,000 gals. and over; Jetting trucks, 7,000 gals. and over; Vacuum trucks under 7500 gals. Trucks towing tilt bed or flat bed pull trailers; Lowbed heavy duty transport; Heavy duty transport tiller person; Self-propelled street sweeper with self-contained refuse bin; Boom truck - hydro-lift or Swedish type extension or retracting crane; P.B. or similar type self-loading truck; Tire repairperson; Combination bootperson and road oiler; Dry distribution truck (A bootperson when employed on such equipment, shall receive



the rate specified for the classification of road oil trucks or bootperson); Ammonia nitrate distributor, driver and mixer; Snow Go and/or plow

GROUP 4: Dump trucks, over 25 yds. and under 65 yds.; Water pulls - DW 10's, 20's, 21's and other similar equipment when pulling Aqua/pak or water tank trailers; Helicopter pilots (when transporting men and materials); Lowbedk Heavy Duty Transport up to including 7 axles; DW10's, 20's, 21's and other similar Cat type, Terra Cobra, LeTourneau Pulls, Tournorocker, Euclid and similar type equipment when pulling fuel and/or grease tank trailers or other miscellaneous trailers; Vacuum Trucks 7500 gals and over and truck repairman

GROUP 5: Dump trucks, 65 yds. and over; Holland hauler; Low bed Heavy Duty Transport over 7 axles

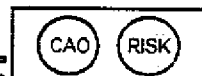
WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of "identifiers" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed



in dotted lines beginning with characters other than "SU" or "UAVG" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

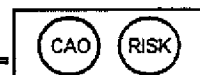
Survey Rate Identifiers

Classifications listed under the "SU" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date



for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

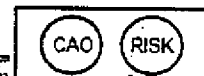
On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor



200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

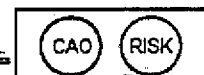
3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

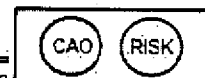
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END OF GENERAL DECISION



Attachment #2 – State Prevailing Wage

The following sheet are the California state prevailing wage rates applicable to this Project.



**GENERAL PREVAILING WAGE DETERMINATION MADE BY THE DIRECTOR OF INDUSTRIAL RELATIONS
PURSUANT TO CALIFORNIA LABOR CODE PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1
FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS**

CRAFT: DRIVER (ON/OFF-HAULING TO/FROM CONSTRUCTION SITE)

Determination: C-DT-830-261-6-2009-1

Issue Date: February 22, 2009

Expiration date of determination: March 3, 2010* Effective until superseded by a new determination issued by the Director of Industrial Relations. Contact the Division of Labor Statistics and Research at (415) 703-4774 for the new rates after 10 days from the expiration date, if no subsequent determination is issued.

Localities: All localities within Kern, Monterey, San Luis Obispo, Santa Barbara, and Ventura Counties.

Classification	Employer Payments						Straight-Time Total Hourly Rate	Overtime Hourly Rate		
	Basic Hourly Rate	Health And Welfare	Pension	Vacation And Holiday	Training	Other		Daily (1½ X)	Sunday/ Holiday (1½ X)	
Driver: Dump Truck	\$16.76	\$3.04 ^a	\$2.75	\$0.90 ^b	\$0.64	-	8.0	\$24.09	\$32.47 ^c	\$32.47

^a The contribution applies to all hours until \$526.19 is paid for the month.

^b \$1.22 after 2 years of service,
\$1.55 after 10 years of service.

^c Rate applies to work in excess of eight (8) hours daily and forty (40) hours weekly.

* There is no predetermined increase applicable to this determination.

RECOGNIZED HOLIDAYS: Holidays upon which the general prevailing hourly wage rate for Holiday work shall be paid, shall be all holidays in the collective bargaining agreement, applicable to the particular craft, classification, or type of worker employed on the project, which is on file with the Director of Industrial Relations. If the prevailing rate is not based on a collectively bargained rate, the holidays upon which the prevailing rate shall be paid shall be as provided in Section 6700 of the Government Code. You may obtain the holiday provisions for the current determinations on the Internet at <http://www.dir.ca.gov/DLRS/PWD>. Holiday provisions for current or superseded determinations may be obtained by contacting the Prevailing Wage Unit at (415) 703-4774.

TRAVEL AND/OR SUBSISTENCE PAYMENT: In accordance with Labor Code Sections 1773.1 and 1773.9, contractors shall make travel and/or subsistence payments to each worker to execute the work. You may obtain the travel and/or subsistence requirements for the current determinations on the Internet at <http://www.dir.ca.gov/DLRS/PWD>. Travel and/or subsistence requirements for current or superseded determinations may be obtained by contacting the Prevailing Wage Unit at (415) 703-4774.



**GENERAL PREVAILING WAGE DETERMINATION MADE BY THE DIRECTOR OF INDUSTRIAL RELATIONS
PURSUANT TO CALIFORNIA LABOR CODE PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1
FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS**

CRAFT: DRIVER (ON/OFF-HAULING TO/FROM CONSTRUCTION SITE)

Determination: C-MT-830-261-3-2009-1

Issue Date: February 22, 2009

Expiration date of determination: March 3, 2010* Effective until superseded by a new determination issued by the Director of Industrial Relations. Contact the Division of Labor Statistics and Research at (415) 703-4774 for the new rates after 10 days from the expiration date, if no subsequent determination is issued.

Localities: All localities within Monterey, San Benito, San Francisco, San Mateo, Santa Clara, and Santa Cruz Counties.

Classification	Employer Payments						Straight-Time	Overtime Hourly Rate		
	Basic Hourly Rate	Health And Welfare	Pension	Vacation And Holiday	Training	Other	Total Hourly Rate	Daily (1½ X)	Sunday/Holiday (1½ X)	
Driver: Mixer Truck	\$21.50	\$9.64	\$1.72 ^a	\$0.99 ^b	-	-	8.0	\$33.85	\$45.46 ^c	\$45.46

^a This amount is factored at the applicable overtime rate.

^b \$1.41 after 2 years of service

\$1.82 after 10 years of service

\$2.23 after 20 years of service

^c Rate applies to work in excess of eight (8) hours daily and forty (40) hours weekly.

* There is no predetermined increase applicable to this determination.

RECOGNIZED HOLIDAYS: Holidays upon which the general prevailing hourly wage rate for Holiday work shall be paid, shall be all holidays in the collective bargaining agreement, applicable to the particular craft, classification, or type of worker employed on the project, which is on file with the Director of Industrial Relations. If the prevailing rate is not based on a collectively bargained rate, the holidays upon which the prevailing rate shall be paid shall be as provided in Section 6700 of the Government Code. You may obtain the holiday provisions for the current determinations on the Internet at <http://www.dir.ca.gov/DLSR/PWD>. Holiday provisions for current or superseded determinations may be obtained by contacting the Prevailing Wage Unit at (415) 703-4774.

TRAVEL AND/OR SUBSISTENCE PAYMENT: In accordance with Labor Code Sections 1773.1 and 1773.9, contractors shall make travel and/or subsistence payments to each worker to execute the work. You may obtain the travel and/or subsistence requirements for the current determinations on the Internet at <http://www.dir.ca.gov/DLSR/PWD>. Travel and/or subsistence requirements for current or superseded determinations may be obtained by contacting the Prevailing Wage Unit at (415) 703-4774.



GENERAL PREVAILING WAGE DETERMINATION MADE BY THE DIRECTOR OF INDUSTRIAL RELATIONS
 PURSUANT TO CALIFORNIA LABOR CODE PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1
 FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS

LOCALITY: MONTEREY COUNTY
 DETERMINATION: MTY-2016-2

CRAFT (JOURNEY LEVEL)	ISSUE DATE	EXPIRATION DATE	EMPLOYER PAYMENTS						STRAIGHT-TIME		OVERTIME HOURLY RATE			
			BASIC HOURLY RATE	HEALTH AND WELFARE	PENSION	VACATION/HOLIDAY	TRAINING	OTHER PAYMENTS	HOURS	TOTAL HOURLY RATE	DAILY	SATURDAY	SUNDAY AND HOLIDAY	
BRICKLAYER, BLOCKLAYER:														
BRICKLAYER, BLOCKLAYER, STONEMASON POINTER, CLEANER, CAULKER, WATERPROOFER	8/22/2015	04/30/2016**	A 36.620	9.790	12.020	B 2.030	0.800	C 1.070	D 8.0	62.330	E 81.640	E 81.640	100.950	
	8/22/2015	06/30/2016**	A 43.390	9.790	10.790	F -	1.460	0.400	D 8.0	65.830	G 87.520	G 87.520	109.220	
BRICK TENDER	8/22/2015	06/30/2016**	H 32.270	7.540	10.180	F -	0.410	0.300	D 8.0	50.700	E 66.830	E 66.830	82.970	
CARPET, LINOLEUM,														
SOFT FLOOR LAYER	8/22/2015	12/31/2015**	A 46.150	9.900	11.300	I -	0.630	0.340	8.0	68.320	J 91.400	J 91.400	114.470	
FLOOR COVERING HANDLER AFTER 3 YEARS	8/22/2015	12/31/2015**	A 23.050	9.900	5.650	I -	0.050	0.340	8.0	38.990	J 50.510	J 50.510	62.040	
FLOOR COVERING HANDLER LESS THAN 3 YEARS	8/22/2015	12/31/2015**	A 18.430	9.900	4.520	I -	0.050	0.340	8.0	33.240	J 42.460	J 42.460	51.670	
FLOOR COVERING HANDLER TRAINEE, FIRST 3 MONTHS	8/22/2015	12/31/2015**	A 14.730	9.900	3.620	I -	0.050	0.340	8.0	28.640	J 36.000	J 36.000	43.370	
FLOOR COVERING HANDLER TRAINEE, SECOND 3 MONTHS	8/22/2015	12/31/2015**	A 16.580	9.900	4.070	I -	0.050	0.340	8.0	30.940	J 39.230	J 39.230	47.520	
ELECTRICIAN:														
COMM & SYSTEM INSTALLER	8/22/2015	11/30/2015**	33.320	9.550	K 4.650	-	1.100	L 0.210	8.0	50.000	M 67.240	M 67.240	84.490	
COMM & SYSTEM TECH.	8/22/2015	11/30/2015**	37.940	9.550	K 4.650	-	1.100	L 0.210	8.0	54.780	M 74.410	M 74.410	94.050	
INSIDE WIREMAN, TECHNICIAN	8/22/2015	12/27/2015**	N 42.150	O 10.700	P 10.450	-	O 0.950	Q 0.730	8.0	66.240	R 99.370	R 99.370	132.490	
CABLE SPLICER	8/22/2015	12/27/2015**	N 47.420	O 10.700	P 10.450	-	O 0.950	Q 0.790	8.0	71.730	R 107.600	R 107.600	143.470	
INSIDE WIREMAN (WHEN WELDING)	8/22/2015	12/27/2015**	N 46.370	O 10.700	P 10.450	-	O 0.950	Q 0.780	8.0	70.640	R 105.960	R 105.960	141.280	
FIELD SURVEYOR:														
CHIEF OF PARTY	8/22/2015	02/29/2016**	38.070	13.030	T 10.640	U 3.410	0.770	0.160	8.0	66.080	V 85.110	W 85.110	104.150	
INSTRUMENTMAN	8/22/2015	02/29/2016**	34.980	13.030	T 10.640	U 3.410	0.770	0.160	8.0	62.990	V 80.480	W 80.480	97.970	
CHAINMAN/RODMAN	8/22/2015	02/29/2016**	32.100	13.030	T 10.640	U 3.410	0.770	0.160	8.0	60.110	V 76.160	W 76.160	92.210	
GLAZIER	8/22/2015	12/31/2015**	A 43.430	9.900	X 14.290	-	0.550	Y 0.380	8.0	68.550	Z 90.260	111.980	111.980	
MARBLE FINISHER	8/22/2015	07/31/2016**	AB 30.220	9.790	3.930	I -	0.450	0.550	8.0	44.940	AC 60.050	75.160	75.160	
MARBLE MASON	8/22/2015	07/31/2016**	AB 40.410	9.790	14.390	I -	0.800	0.770	8.0	66.160	AC 86.360	106.570	106.570	
PAINTER:														
BRUSH AND SPRAY	2/22/2015	12/31/2015**	H 36.400	9.900	T 11.160	I -	0.420	0.380	D 8.0	58.260	76.460	AD 76.460	94.660	
INDUSTRIAL PAINTER	2/22/2015	12/31/2015**	H 36.900	9.900	T 11.160	I -	0.420	0.380	D 8.0	58.760	77.210	AD 77.210	95.660	
SANDBLASTER, STEAM CLEANER, WATERBLASTER	2/22/2015	12/31/2015**	H 36.900	9.900	T 11.160	I -	0.420	0.380	D 8.0	58.760	77.210	AD 77.210	95.660	
EXOTIC MATERIALS	2/22/2015	12/31/2015**	H 37.150	9.900	T 11.160	I -	0.420	0.380	D 8.0	59.010	77.580	AD 77.580	96.160	
PAPERHANGER/WALLCOVERING	2/22/2015	12/31/2015**	H 37.400	9.900	T 11.160	I -	0.420	0.380	D 8.0	59.260	77.960	AD 77.960	96.660	
TAPER	8/22/2015	12/31/2015**	AE 38.190	9.900	9.620	I -	0.410	0.390	8.0	58.510	77.600	D 77.600	AD 96.700	
TAPER CLEAN-UP	8/22/2015	12/31/2015**	AG 15.250	9.900	-	-	-	-	8.0	25.150	32.780	D 32.780	AD 40.400	
PLASTERER	8/22/2015	06/30/2016**	AH 31.190	13.030	8.930	3.000	1.080	1.150	8.0	58.380	73.110	AI 73.110	87.830	
PLASTER TENDER	8/22/2015	07/31/2016*	AK 29.040	9.250	10.920	F -	0.390	-	8.0	49.600	AL 62.580	AL 62.580	75.560	
PLUMBER:														
PLUMBER, PIPE FITTER & REFRIGERATION FITTER (HVAC)	8/22/2015	12/31/2015**	41.550	11.530	13.810	F -	1.350	3.570	8.0	71.810	E 92.580	E 92.580	113.360	
PIPE TRADESMAN	8/22/2015	12/31/2015*	13.000	9.340	1.000	F -	-	0.710	8.0	24.050	E 30.550	E 30.550	37.050	
UNDERGROUND UTILITY PIPEFITTER	8/22/2015	06/30/2016**	26.600	6.600	AM 3.000	2.000	0.450	0.600	D 8.0	39.250	52.550	52.550	65.850	
LANDSCAPE PIPEFITTER	8/22/2015	06/30/2016**	26.600	6.600	AM 3.000	2.000	0.450	0.600	D 8.0	39.250	52.550	52.550	65.850	
UNDERGROUND UTILITY ASSISTANT JOURNEYMAN	8/22/2015	06/30/2016**	15.600	6.600	AM 3.000	2.000	0.450	0.600	D 8.0	28.250	36.050	36.050	43.850	

Agreement #: Ag-5112 - Page 192 of 237

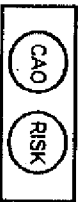
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GENERAL PREVAILING WAGE DETERMINATION MADE BY THE DIRECTOR OF INDUSTRIAL RELATIONS
PURSUANT TO CALIFORNIA LABOR CODE PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1
FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS

LOCALITY: MONTEREY COUNTY
DETERMINATION: MTY-2015-2

CRAFT (JOURNEY LEVEL)	ISSUE DATE	EXPIRATION DATE	EMPLOYER PAYMENTS						STRAIGHT-TIME		OVERTIME HOURLY RATE		
			BASIC HOURLY RATE	HEALTH AND WELFARE	PENSION	VACATION/HOLIDAY	TRAINING	OTHER PAYMENTS	HOURS	TOTAL HOURLY RATE	DAILY	SATURDAY	SUNDAY AND HOLIDAY
LANDSCAPE ASSISTANT JOURNEYMAN	8/22/2015	06/30/2016**	15.600	6.600	AM 3.000	2.000	0.450	0.600	D 8.0	28.250	36.050	36.050	43.850
UNDERGROUND UTILITY TRADESMAN	8/22/2015	06/30/2016**	10.900	6.600	AM 3.000	2.000	0.450	0.600	D 8.0	23.550	29.000	29.000	34.450
LANDSCAPE TRADESMAN I	8/22/2015	06/30/2016**	10.550	6.600	AM -	2.000	0.450	0.600	D 8.0	20.200	25.480	25.480	30.750
LANDSCAPE TRADESMAN II	8/22/2015	06/30/2016**	10.800	6.600	AM 3.000	2.000	0.450	0.600	D 8.0	23.550	29.000	29.000	34.450
FIRE SPRINKLER FITTER (PROTECTION AND CONTROL SYSTEMS, OVERHEAD AND UNDERGROUND)	8/22/2015	12/31/2015**	34.310	8.520	AQ 10.880	-	0.450	0.250	8.0	54.410	71.570	71.570	88.720
ROOFER	8/22/2008	09/30/2008*	28.680	5.790	3.100	AR -	0.700	0.200	8.0	38.470	52.810	52.810	52.810
SHEET METAL WORKER													
ZONE 1 (UNDER 20 MILES)	8/22/2015	12/31/2015*	AT 41.990	AM 13.280	AU 18.340	F -	1.410	0.420	8.0	75.440	AV 96.060	AV 96.060	116.680
FOR SERVICE AND REPAIR	8/22/2015	12/31/2015*	AT 41.990	AM 13.280	AU 18.340	F -	1.410	0.420	8.0	75.440	AW 96.060	AX 96.060	AY 116.680
METAL DECK & SIDING	2/22/2015	06/30/2015*	H 33.860	AM 13.530	AZ 18.000	F -	BA 0.300	-	8.0	65.690	AV 83.620	AV 83.620	101.550
TERRAZZO FINISHER	8/22/2015	06/30/2016**	BC 33.780	9.790	5.140	F -	0.800	0.530	8.0	50.040	AV 64.820	AV 64.820	79.600
TERRAZZO WORKER	8/22/2015	06/30/2016**	BC 41.010	9.790	14.940	F -	0.800	0.710	8.0	87.250	AV 85.070	AV 85.070	102.890
TILE FINISHER	8/22/2015	03/31/2016*	BD 22.790	8.830	3.480	0.700	0.450	1.130	8.0	37.360	48.760	D 48.760	60.150
RED CIRCLED FINISHER	8/22/2015	03/31/2016*	BD 28.480	8.830	3.690	1.300	0.350	1.140	8.0	43.780	58.030	D 58.030	72.270
TILE SETTER	8/22/2015	03/31/2016*	BD 39.520	8.830	4.690	2.350	0.690	1.730	8.0	57.810	77.570	D 77.570	97.330
WATER WELL DRILLER	8/22/1998	12/31/1998*	12.700	3.200	0.780	BE 0.630	-	-	8.0	17.310	BF 23.660	BF 23.660	BF 23.660
PUMP INSTALLER	8/22/1998	12/31/1998*	12.700	3.200	0.780	BE 0.630	-	-	8.0	17.310	BF 23.660	BF 23.660	BF 23.660
HELPER	8/22/1998	12/31/1998*	10.380	3.200	0.780	BG 0.520	-	-	8.0	14.880	BF 20.070	BF 20.070	BF 20.070

Agreement # AG5112 - Page 193 of 297



GENERAL PREVAILING WAGE DETERMINATION MADE BY THE DIRECTOR OF INDUSTRIAL RELATIONS
PURSUANT TO CALIFORNIA LABOR CODE PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1
FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS

LOCALITY: MONTEREY COUNTY.
DETERMINATION: MTY-2016-2

CRAFT (JOURNEY LEVEL)	ISSUE DATE	EXPIRATION DATE	EMPLOYER PAYMENTS							STRAIGHT-TIME		OVERTIME HOURLY RATE		
			BASIC HOURLY RATE	HEALTH AND WELFARE	PENSION	VACATION/HOLIDAY	TRAINING	OTHER PAYMENTS	HOURS	TOTAL HOURLY RATE	DAILY	SATURDAY	SUNDAY AND HOLIDAY	
* BRICKLAYER, BLOCKLAYER, POINTER, CLEANER, CAULKER, WATERPROOFER (2ND SHIFT)	8/22/2015	06/30/2016**	A 49.900	9.790	10.790	B -	1.460	0.400	C 8.0	72.340	97.280	D 97.290	122.240	
	8/22/2015	06/30/2016**	A 52.070	9.790	10.790	B -	1.460	0.400	C 8.0	74.510	100.540	D 100.540	126.580	
* BRICKLAYER, BLOCKLAYER, STONEMASON (2ND SHIFT)	8/22/2015	04/30/2016**	A 40.480	9.790	12.020	E 2.030	0.800	F 1.070	C 8.0	66.190	G 87.430	G 87.430	108.670	
	8/22/2015	04/30/2016**	A 42.410	9.790	12.020	E 2.030	0.800	F 1.070	C 8.0	68.120	G 90.320	G 90.320	112.530	
* BRICK TENDER														
* BRICK TENDER (SPECIAL SINGLE SHIFT)	8/22/2015	06/30/2016**	H 35.270	7.540	10.180	B -	0.410	0.300	C 8.0	53.700	G 71.330	G 71.330	88.970	
* ELECTRICIAN:														
* COMM & SYSTEM INSTALLER, SECOND SHIFT	8/22/2015	11/30/2015**	34.070	9.550	I 4.650	-	1.100	J 0.210	8.0	50.770	K 68.400	K 68.400	L 86.030	
* COMM & SYSTEM INSTALLER, THIRD SHIFT	8/22/2015	11/30/2015**	34.320	9.550	I 4.650	-	1.100	J 0.210	8.0	51.030	K 68.790	K 68.790	L 86.550	
* COMM & SYSTEM TECH., SECOND SHIFT	8/22/2015	11/30/2015**	38.690	9.550	I 4.650	-	1.100	J 0.210	8.0	55.550	K 75.570	K 75.570	L 95.590	
* COMM & SYSTEM TECH., THIRD SHIFT	8/22/2015	11/30/2015**	38.940	9.550	I 4.650	-	1.100	J 0.210	8.0	55.810	K 75.960	K 75.960	L 96.110	
* INSIDE WIREMAN, TECHNICIAN SECOND SHIFT	8/22/2015	12/27/2015**	M 46.370	N 10.700	O 10.450	-	N 0.950	P 0.780	Q 7.5	70.640	R 105.960	R 105.960	L 141.280	
* INSIDE WIREMAN, TECHNICIAN THIRD SHIFT	8/22/2015	12/27/2015**	M 48.470	N 10.700	O 10.450	-	N 0.950	P 0.810	S 7.0	72.830	R 109.250	R 109.250	L 145.870	
* CABLE SPLICER SECOND SHIFT	8/22/2015	12/27/2015**	M 52.170	N 10.700	O 10.450	-	N 0.950	P 0.850	Q 7.5	76.690	R 115.030	R 115.030	L 153.370	
* CABLE SPLICER THIRD SHIFT	8/22/2015	12/27/2015**	M 54.530	N 10.700	O 10.450	-	N 0.950	P 0.880	S 7.0	79.150	R 118.720	R 118.720	L 158.290	
* INSIDE WIREMAN (WHEN WELDING) - 2ND SHIFT	8/22/2015	12/27/2015**	M 51.010	N 10.700	O 10.450	-	N 0.950	P 0.840	Q 7.5	75.480	R 113.220	R 113.220	L 150.960	
* INSIDE WIREMAN (WHEN WELDING) - 3RD SHIFT	8/22/2015	12/27/2015**	M 53.320	N 10.700	O 10.450	-	N 0.950	P 0.870	S 7.0	77.890	R 116.830	R 116.830	L 155.780	
* FIELD SURVEYOR:														
* CHIEF OF PARTY (NIGHT SHIFT)	8/22/2015	02/29/2016**	42.830	13.030	U 10.640	V 3.410	0.770	0.160	7.0	70.840	W 92.260	X 92.260	L 113.670	
* INSTRUMENTMAN (NIGHT SHIFT)	8/22/2015	02/29/2016**	39.350	13.030	U 10.640	V 3.410	0.770	0.160	7.0	67.360	W 87.030	X 87.030	L 106.710	
* CHAINMAN/RODMAN (NIGHT SHIFT)	8/22/2015	02/29/2016**	36.110	13.030	U 10.640	V 3.410	0.770	0.160	7.0	64.120	W 82.180	X 82.180	L 100.230	
* MARBLE FINISHER														
* MARBLE FINISHER (2ND SHIFT)	8/22/2015	07/31/2018**	Z 35.220	9.790	3.930	AA -	0.450	0.550	8.0	49.940	AB 67.550	85.160	85.160	
* MARBLE MASON														
* MARBLE MASON (2ND SHIFT)	8/22/2015	07/31/2018**	Z 46.410	9.790	14.390	AA -	0.800	0.770	8.0	72.160	AB 95.360	118.570	118.570	
* TERRAZZO FINISHER														
* TERRAZZO FINISHER, 2ND SHIFT	8/22/2015	06/30/2016**	AD 38.780	9.790	5.140	B -	0.800	0.530	8.0	55.040	AE 72.320	AE 72.320	89.600	
* TERRAZZO FINISHER, 3RD SHIFT	8/22/2015	06/30/2016**	AD 38.780	9.790	5.140	B -	0.800	0.530	8.0	55.040	AE 72.320	AE 72.320	89.600	
* TERRAZZO WORKER														
* TERRAZZO WORKER, 2ND SHIFT	8/22/2015	06/30/2016**	AD 49.010	9.790	14.940	B -	0.800	0.710	8.0	75.250	AE 97.070	AE 97.070	118.890	
* TERRAZZO WORKER, 3RD SHIFT	8/22/2015	06/30/2016**	AD 49.010	9.790	14.940	B -	0.800	0.710	8.0	75.250	AE 97.070	AE 97.070	118.890	
* TILE FINISHER														
* TILE FINISHER, 2ND SHIFT	8/22/2015	03/31/2016*	AF 26.790	8.830	3.460	0.700	0.450	1.130	8.0	41.360	52.760	C 52.760	64.150	
* TILE FINISHER - RED CIRCLED FINISHER, 2ND SHIFT	8/22/2015	03/31/2016*	AF 32.480	8.830	3.690	1.300	0.350	1.140	8.0	47.780	62.030	C 62.030	76.270	
* TILE SETTER														

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Agreement #: Ag-5112 - Page 194 of 237

GENERAL PREVAILING WAGE DETERMINATION MADE BY THE DIRECTOR OF INDUSTRIAL RELATIONS
PURSUANT TO CALIFORNIA LABOR CODE PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1

FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS

CRAFT: # ASBESTOS WORKER, HEAT AND FROST INSULATOR

DETERMINATION: NC-3-16-1-2015-2

ISSUE DATE: August 22, 2015

EXPIRATION DATE OF DETERMINATION: July 31, 2016* Effective until superseded by a new determination issued by the Director of Industrial Relations. Contact the Office of the Director - Research Unit at (415) 703-4774 for the new rates after ten days after the expiration date if no subsequent determination is issued.

Classification (Journey/person)	Basic Hourly Rate	Employer Payments					Straight-Time		Overtime Hourly Rate	
		Health and Welfare	Pension	Vacation/ Holiday	Training	Other Payments	Hours	Total Hourly Rate	1-1/2X	2X
AREA 1 Mechanic	\$61.03	\$13.00	\$7.61 ^b	c	\$0.85	\$0.23	8	\$82.72	\$113.235	\$143.75
AREA 2 Mechanic	\$46.13	\$13.00	\$7.61 ^b	c	\$0.85	\$0.23	8	\$67.82	\$90.885	\$113.95

AREA 1 - Alameda, Contra Costa, Marin, Napa, San Benito, San Francisco, San Mateo, Santa Clara, Solano, and Sonoma.

AREA 2 - Alpine, Amador, Butte, Calaveras, Colusa, Del Norte, El Dorado, Fresno, Glenn, Humboldt, Kings, Lake, Lassen, Madera, Mariposa, Mendocino, Merced, Modoc, Mono, Monterey, Nevada, Placer, Plumas, Sacramento, San Joaquin, Santa Cruz, Shasta, Sierra, Siskiyou, Stanislaus, Sutter, Tehama, Trinity, Tulare, Tuolumne, Yolo, and Yuba.

DETERMINATION: NC-3-16-3-2015-1

ISSUE DATE: February 22, 2015

EXPIRATION DATE OF DETERMINATION: December 31, 2015** The rate to be paid for work performed after this date has been determined. If work will extend past this date, the new rate must be paid and should be incorporated in contracts entered into now. Contact the Office of the Director - Research Unit for specific rates at (415) 703-4774.

LOCALITY: Mono and all Northern California Counties

Hazardous Material Handler Mechanic	\$32.38	6.31	1.25	°	0.30	^b 0.08	8	40.32	\$6.51	\$72.70
Hazardous Material Handler Worker ^h	\$23.16	6.31	-	-	0.30	ⁱ 0.06	8	29.83	\$4.41	\$52.99

* Indicates an apprenticeable craft. The current apprentice wage rates are available on the Internet at <http://www.dir.ca.gov/OPRL/PWAppWage/PWAppWageStart.asp>. To obtain any apprentice wage rates as of July 1, 2008 and prior to September 27, 2012, please contact the Division of Apprenticeship Standards or refer to the Division of Apprenticeship Standards' website at <http://www.dir.ca.gov/das/das.html>.

^a Includes amount withheld for dues check off and for vacation.

^b Pursuant to Labor Code sections 1773.1 and 1773.8, the amount paid for this employer payment may vary resulting in a lower taxable basic hourly wage rate, but the total hourly rates for straight time and overtime may not be less than the general prevailing rate of per diem wages.

^c Included in the straight-time hourly rate.

^d \$0.02 per hour worked for vacation/holiday administration; \$0.12 per hour worked for occupational health and research; \$0.08 per hour worked for Industry Promotion; \$0.01 per hour worked for Preservation Trust.

^e 1 1/2 times the basic straight-time hourly rate for the first 2 hours of overtime, Monday through Friday and for the first 10 hours on Saturdays. All other overtime is paid at the double time rate.

^f \$204.78 (Area 1) and \$160.08 (Area 2) per hour for work on Labor Day.

^g Includes amount withheld for dues check off.

^h Includes amount for vacation/holiday administration and industry promotion.

ⁱ Rate applies to the first 4 overtime hours in any workday or 40 hours in a workweek, and for the first 8 hours worked on the 7th consecutive day of work in a workweek.

^j Rate applies to work on any recognized holiday, all hours worked in excess of 12 hours in any workday, and for all hours worked in excess of 8 hours on the 7th consecutive day of work in a workweek.

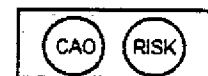
^k A maximum of fourteen (14) Hazardous Material Handler Workers is allowed for each Hazardous Material Handler Mechanic.

^l Includes amount for industry promotion.

NOTE: Asbestos Removal Workers must be trained and the work conducted according to the Code of Federal Regulations 29 CFR 1926.58, the California Labor Code 6501.5 and the California Code of Regulations, Title 8, Section 5208. Contractors must be certified by the Contractors' State License Board and registered with the Division of Occupational Safety and Health (DOSH). For further information, contact the Asbestos Contractors Abatement Registration Unit, DOSH at (510) 286-7362.

RECOGNIZED HOLIDAYS: Holidays upon which the general prevailing hourly wage rate for Holiday work shall be paid, shall be all holidays in the collective bargaining agreement, applicable to the particular craft, classification, or type of worker employed on the project, which is on file with the Director of Industrial Relations. If the prevailing rate is not based on a collectively bargained rate, the holidays upon which the prevailing rate shall be paid shall be as provided in Section 6700 of the Government Code. You may obtain the holiday provisions for the current determinations on the Internet at <http://www.dir.ca.gov/OPRL/PWD>. Holiday provisions for current or superseded determinations may be obtained by contacting the Office of the Director - Research Unit at (415) 703-4774.

TRAVEL AND/OR SUBSISTENCE PAYMENT: In accordance with Labor Code Sections 1773.1 and 1773.9, contractors shall make travel and/or subsistence payments to each worker to execute the work. You may obtain the travel and/or subsistence provisions for the current determinations on the Internet at <http://www.dir.ca.gov/OPRL/PWD>. Travel and/or subsistence requirements for current or superseded determinations may be obtained by contacting the Office of the Director - Research Unit at (415) 703-4774.



GENERAL PREVAILING WAGE DETERMINATION MADE BY THE DIRECTOR OF INDUSTRIAL RELATIONS
PURSUANT TO CALIFORNIA LABOR CODE PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1

FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS

CRAFT: #LABORER AND RELATED CLASSIFICATIONS

DETERMINATION: NC-23-102-1-2015-2

ISSUE DATE: August 22, 2015

EXPIRATION DATE OF DETERMINATION: JUNE 26, 2016** The rate to be paid for work performed after this date has been determined. If work will extend past this date, the new rate must be paid and should be incorporated in contracts entered into now. Contact the Office of the Director - Research Unit for specific rates at (415) 703-4774.

LOCALITY: ALL LOCALITIES WITHIN ALAMEDA, ALPINE, AMADOR, BUTTE, CALAVERAS, COLUSA, CONTRA COSTA, DEL NORTE, EL DORADO, FRESNO, GLENN, HUMBOLDT, KINGS, LAKE, LASSEN, MADERA, MARIPOSA, MARIN, MENDOCINO, MERCED, MODOC, MONTEREY, NAPA, NEVADA, PLACER, PLUMAS, SACRAMENTO, SAN BENITO, SAN FRANCISCO, SAN JOAQUIN, SAN MATEO, SANTA CLARA, SANTA CRUZ, SHASTA, SIERRA, SISKIYOU, SOLANO, SONOMA, STANISLAUS, SUTTER, TEHAMA, TRINITY, TULARE, TUOLUMNE, YOLO, AND YUBA COUNTIES.

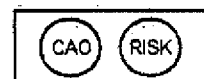
Classification* (Journey person)	Basic Hourly Rate ^B	Employer Payments					Straight-Time		Overtime Hourly Rate		
		Health and Welfare	Pension	Vacation and Holiday	Training	Other Payments	Hours ^C	Total Hourly Rate	Daily 1 1/2X	Saturday ^D 1 1/2X	Sunday/Holiday 2X
AREA 1^E											
Construction Specialist	29.49	7.54	10.38	2.63	0.43	0.22	8	50.69	65.435	65.435	80.18
Group 1; Group 1(B) ^F	28.79	7.54	10.38	2.63	0.43	0.22	8	49.99	64.385	64.385	78.78
Group 1 (A)	29.01	7.54	10.38	2.63	0.43	0.22	8	50.21	64.715	64.715	79.22
Group 1 (C)	28.84	7.54	10.38	2.63	0.43	0.22	8	50.04	64.46	64.46	78.88
Group 1 (E)	29.34	7.54	10.38	2.63	0.43	0.22	8	50.54	65.21	65.21	79.88
Group 1 (F-1)	29.37	7.54	10.38	2.63	0.43	0.22	8	50.57	65.255	65.255	79.94
Group 1 (F-2)	28.39	7.54	10.38	2.63	0.43	0.22	8	49.59	63.785	63.785	77.98
Group 1 (G)	28.99	7.54	10.38	2.63	0.43	0.22	8	50.19	64.685	64.685	79.18
Group 2	28.64	7.54	10.38	2.63	0.43	0.22	8	49.84	64.16	64.16	78.48
Group 3; Group 3(A)	28.54	7.54	10.38	2.63	0.43	0.22	8	49.74	64.01	64.01	78.28
Group 4; Group 4(B)	22.23	7.54	10.38	2.63	0.43	0.22	8	43.43	54.545 ^d	54.545 ^d	65.66 ^d
Group 6	29.75	7.54	10.38	2.63	0.43	0.22	8	50.95	65.825	65.825	80.70
Group 6 (A)	29.25	7.54	10.38	2.63	0.43	0.22	8	50.45	65.075	65.075	79.70
Group 6 (C)	28.66	7.54	10.38	2.63	0.43	0.22	8	49.86	64.19	64.19	78.52
Group 7 - Stage 1 (1 st 6 months)	19.98	7.54	10.38	2.63	0.43	0.22	8	41.18	51.17	51.17	61.16
Stage 2 (2 nd 6 months)	22.83	7.54	10.38	2.63	0.43	0.22	8	44.03	55.445	55.445	66.86
Stage 3 (3 rd 6 months)	25.69	7.54	10.38	2.63	0.43	0.22	8	46.89	59.735	59.735	72.58
AREA 2^E											
Construction Specialist	28.49	7.54	10.38	2.63	0.43	0.22	8	49.69	63.935	63.935	78.18
Group 1; Group 1(B) ^F	27.79	7.54	10.38	2.63	0.43	0.22	8	48.99	62.885	62.885	76.78
Group 1 (A)	28.01	7.54	10.38	2.63	0.43	0.22	8	49.21	63.215	63.215	77.22
Group 1 (C)	27.84	7.54	10.38	2.63	0.43	0.22	8	49.04	62.96	62.96	76.88
Group 1 (E)	28.34	7.54	10.38	2.63	0.43	0.22	8	49.54	63.71	63.71	77.88
Group 1 (F-1)	28.37	7.54	10.38	2.63	0.43	0.22	8	49.57	63.755	63.755	77.94
Group 1 (F-2)	27.39	7.54	10.38	2.63	0.43	0.22	8	48.59	62.285	62.285	75.98
Group 2	27.64	7.54	10.38	2.63	0.43	0.22	8	48.84	62.66	62.66	76.48
Group 3; Group 3(A)	27.54	7.54	10.38	2.63	0.43	0.22	8	48.74	62.51	62.51	76.28
Group 4; Group 4(B)	21.23	7.54	10.38	2.63	0.43	0.22	8	42.43	53.045 ^d	53.045 ^d	63.66 ^d
Group 6	28.75	7.54	10.38	2.63	0.43	0.22	8	49.95	64.325	64.325	78.70
Group 6 (A)	28.25	7.54	10.38	2.63	0.43	0.22	8	49.45	63.575	63.575	77.70
Group 6 (C)	27.66	7.54	10.38	2.63	0.43	0.22	8	48.86	62.69	62.69	76.52
Group 7 - Stage 1 (1 st 6 months)	19.28	7.54	10.38	2.63	0.43	0.22	8	40.48	50.12	50.12	59.76
Stage 2 (2 nd 6 months)	22.03	7.54	10.38	2.63	0.43	0.22	8	43.23	54.245	54.245	65.26
Stage 3 (3 rd 6 months)	24.79	7.54	10.38	2.63	0.43	0.22	8	45.99	58.385	58.385	70.78

PLEASE GO TO PAGE 50 FOR CLASSIFICATIONS WITHIN EACH GROUP

- # INDICATES AN APPRENTICEABLE CRAFT. THE CURRENT APPRENTICE WAGE RATES ARE AVAILABLE ON THE INTERNET AT [HTTP://WWW.DIR.CA.GOV/OPRL/PWAPPWAGE/PWAPPWAGESTART.ASP](http://www.dir.ca.gov/OPRL/PWAPPWAGE/PWAPPWAGESTART.ASP) TO OBTAIN ANY APPRENTICE WAGE RATES AS OF JULY 1, 2008 AND PRIOR TO SEPTEMBER 27, 2012, PLEASE CONTACT THE DIVISION OF APPRENTICESHIP STANDARDS OR REFER TO THE DIVISION OF APPRENTICESHIP STANDARDS' WEBSITE AT [HTTP://WWW.DIR.CA.GOV/DAS/DAS.HTML](http://www.dir.ca.gov/DAS/DAS.HTML).
- a GROUP 1(D) - MAINTENANCE OR REPAIR TRACKMEN AND ROAD BEDS AND ALL EMPLOYEES PERFORMING WORK COVERED BY THIS CLASSIFICATION SHALL RECEIVE \$0.25 PER HOUR ABOVE THEIR REGULAR RATE FOR ALL WORK PERFORMED ON UNDERGROUND STRUCTURES NOT SPECIFICALLY COVERED HEREIN. THIS SHALL NOT APPLY TO WORK BELOW GROUND LEVEL IN OPEN CUT. THIS SHALL APPLY TO CUT AND COVER WORK OF SUBWAY CONSTRUCTION AFTER TEMPORARY COVER HAS BEEN PLACED.
 - GROUP 1(H) - ALL LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS RECEIVE \$0.25 PER HOUR ABOVE THEIR APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO LABORERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1(A).
 - b SATURDAYS IN THE SAME WORK WEEK MAY BE WORKED AT STRAIGHT-TIME IF JOB IS SHUT DOWN DURING THE NORMAL WORK WEEK DUE TO INCLEMENT WEATHER, MAJOR MECHANICAL BREAKDOWN OR LACK OF MATERIALS BEYOND THE CONTROL OF THE EMPLOYER.
 - c AREA 1 - ALAMEDA, CONTRA COSTA, MARIN, SAN FRANCISCO, SAN MATEO, AND SANTA CLARA COUNTIES.
AREA 2 - ALPINE, AMADOR, BUTTE, CALAVERAS, COLUSA, DEL NORTE, EL DORADO, FRESNO, GLENN, HUMBOLDT, KINGS, LAKE, LASSEN, MADERA, MARIPOSA, MENDOCINO, MERCED, MODOC, MONTEREY, NAPA, NEVADA, PLACER, PLUMAS, SACRAMENTO, SAN BENITO, SAN JOAQUIN, SANTA CRUZ, SHASTA, SIERRA, SISKIYOU, SOLANO, SONOMA, STANISLAUS, SUTTER, TEHAMA, TRINITY, TULARE, TUOLUMNE, YOLO AND YUBA COUNTIES.
 - d SERVICE LANDSCAPE LABORER ON NEW CONSTRUCTION MAY WORK ANY FIVE (5) DAYS WITHIN A WEEK.
 - e GROUP 1(B) RECEIVES AN ADDITIONAL AMOUNT EACH DAY. SEE PAGE 50 FOR DETAILS.
 - f WHEN THREE SHIFTS ARE EMPLOYED FOR FIVE (5) OR MORE CONSECUTIVE DAYS, SEVEN AND ONE-HALF (7 1/2) CONSECUTIVE HOURS (EXCLUSIVE OF MEAL PERIOD), SHALL CONSTITUTE A DAY OF WORK, FOR WHICH EIGHT (8) TIMES THE STRAIGHT TIME HOURLY RATE SHALL BE PAID AT THE NON-SHIFT WAGE RATE FOR THE SECOND SHIFT. THE THIRD SHIFT SHALL BE SEVEN (7) HOURS OF WORK FOR EIGHT (8) HOURS PAY AT THE NON-SHIFT WAGE RATE.
 - g ZONE PAY AT THREE DOLLARS (\$3.00) PER HOUR, FACTORED AT THE APPLICABLE OVERTIME MULTIPLE, WILL BE ADDED TO THE BASE RATE FOR WORK PERFORMED OUTSIDE THE FREE ZONE DESCRIBED BY THE BOUNDARIES ALONG TOWNSHIP AND RANGE LINES. PLEASE SEE TRAVEL AND SUBSISTENCE PROVISION FOR MAP DESCRIPTION AND EXCEPTIONS.

RECOGNIZED HOLIDAYS: HOLIDAYS UPON WHICH THE GENERAL PREVAILING HOURLY WAGE RATE FOR HOLIDAY WORK SHALL BE PAID, SHALL BE ALL HOLIDAYS IN THE COLLECTIVE BARGAINING AGREEMENT, APPLICABLE TO THE PARTICULAR CRAFT, CLASSIFICATION, OR TYPE OF WORKER EMPLOYED ON THE PROJECT, WHICH IS ON FILE WITH THE DIRECTOR OF INDUSTRIAL RELATIONS. IF THE PREVAILING RATE IS NOT BASED ON A COLLECTIVELY BARGAINED RATE, THE HOLIDAYS UPON WHICH THE PREVAILING RATE SHALL BE PAID SHALL BE AS PROVIDED IN SECTION 6700 OF THE GOVERNMENT CODE. YOU MAY OBTAIN THE HOLIDAY PROVISIONS FOR THE CURRENT DETERMINATIONS ON THE INTERNET AT [HTTP://WWW.DIR.CA.GOV/OPRL/PWD](http://www.dir.ca.gov/OPRL/PWD). HOLIDAY PROVISIONS FOR CURRENT OR SUPERSEDED DETERMINATIONS MAY BE OBTAINED BY CONTACTING THE OFFICE OF THE DIRECTOR - RESEARCH UNIT AT (415) 703-4774.

TRAVEL AND/OR SUBSISTENCE PAYMENT: IN ACCORDANCE WITH LABOR CODE SECTIONS 1773.1 AND 1773.9, CONTRACTORS SHALL MAKE TRAVEL AND/OR SUBSISTENCE PAYMENTS TO EACH WORKER TO EXECUTE THE WORK. YOU MAY OBTAIN THE TRAVEL AND/OR SUBSISTENCE PROVISIONS FOR THE CURRENT DETERMINATIONS ON THE INTERNET AT [HTTP://WWW.DIR.CA.GOV/OPRL/PWD](http://www.dir.ca.gov/OPRL/PWD). TRAVEL AND/OR SUBSISTENCE REQUIREMENTS FOR CURRENT OR SUPERSEDED DETERMINATIONS MAY BE OBTAINED BY CONTACTING THE OFFICE OF THE DIRECTOR - RESEARCH UNIT AT (415) 703-4774.



CONSTRUCTION SPECIALIST

ASPHALT IRONERS AND RAKERS
CHAINS AW
CONCRETE DIAMOND CHAINS AW
LASER BEAM IN CONNECTION WITH LABORER'S WORK
MASONRY AND PLASTER TENDER
CAST IN PLACE MANHOLE FORM SETTERS
PRESSURE PIPELAYERS
DAVIS TRENCHER - 300' OR SIMILAR TYPE (AND ALL SMALL TRENCHERS)
STATE LICENSED BLASTERS AS DESIGNATED
DIAMOND DRILLERS
DIAMOND CORE DRILLER
MULTIPLE UNIT DRILLS
HIGH SCALERS (INCLUDING DRILLING OF SAME)
HYDRAULIC DRILLS
CERTIFIED WELDER

GROUP 1 (FOR CONTRA COSTA COUNTY ONLY, USE GROUP 1 (G) FOR SOME OF THE FOLLOWING CLASSIFICATIONS)

ASPHALT SPREADER BOXES (ALL TYPES)
BARRO, WACKER AND SIMILAR TYPE TAMPERS
BUGGYMOBILE
CAULKERS, BANDERS, PIPEWRAPPERS, CONDUIT LAYERS, PLASTIC PIPE LAYERS
CERTIFIED ASBESTOS AND MOLD REMOVAL WORKER
CERTIFIED HAZARDOUS WASTE WORKER (INCLUDING LEAD ABATEMENT)
COMPACTORS OF ALL TYPES
CONCRETE AND MAGNESITE MIXER AND 1/4 YARD
CONCRETE PAN WORK
CONCRETE SANDERS, CONCRETE SAW
CRIBBERS AND/OR SHORING
CUT GRANITE CURB SETTER
DRI PAK-IT MACHINE
FALLER, LOGLOADER AND BUCKER
FORM RAISERS, SLIP FORMS
GREEN CUTTERS
HEADERBOARD MEN, HUBSETTERS, ALIGNERS BY ANY METHOD
HIGH PRESSURE BLOW PIPE (1-1/2" OR OVER, 100 LBS. PRESSURE/OVER)
HYDRO SEEDER AND SIMILAR TYPE
JACKHAMMER OPERATORS
JACKING OF PIPE OVER 12 INCHES
JACKSON AND SIMILAR TYPE COMPACTORS
KETTLEMEN, POTMEN, AND MEN APPLYING ASPHALT, LAY-KOLD, CREOSOTE, LIME, CAUSTIC AND SIMILAR TYPE MATERIALS (APPLYING MEANS APPLYING DIPPING, OR HANDLING OF SUCH MATERIALS)
LAGGING, SHEETING, WHALING, BRACING, TRENCH-JACKING, LAGGING HAMMER
MAGNESITE, EPOXY RESIN, FIBER GLASS AND MASTIC WORKERS (WET/DRY)
NO JOINT PIPE AND STRIPPING OF SAME, INCLUDING REPAIR OF VOIDS
PAVEMENT BREAKERS AND SPADERS, INCLUDING TOOL GRINDER
PERMA CURBS
PRECAST-MANHOLE SETTERS
PIPELAYERS (INCLUDING GRADE CHECKING IN CONNECTION WITH PIPELAYING)
PRESSURE PIPE TESTER
POST HOLE DIGGERS-AIR, GAS, AND ELECTRIC POWER BROOM SWEEPERS
POWER TAMPERS OF ALL TYPES, EXCEPT AS SHOWN IN GROUP 2
RAM SET GUN AND STUD GUN
RIPRAP-STONEPAVER AND ROCK-SLINGER, INCLUDING PLACING OF SACKED CONCRETE AND/OR SAND (WET OR DRY) AND GABIONS AND SIMILAR TYPE
ROTARY SCARIFIER OR MULTIPLE HEAD CONCRETE CHIPPING SCARIFIER
ROTO AND DITCH WITCH
ROTOTILLER
SAND BLASTERS, POTMEN, GUNMEN, AND NOZZLEMEN
SIGNALING AND RIGGING
SKILLED WRECKER (REMOVING AND SALVAGING OF SASH, WINDOWS, DOORS, PLUMBING AND ELECTRIC FIXTURES)
TANK CLEANERS
TREE CLIMBERS
TRENCHLESS TECHNOLOGY LABORER- PIPE INSTALLATION, BURSTING, RELINING, OR SIMILAR
TRENCHLESS LABORER'S WORK, CAMERA CONTROLLER
TURBO BLASTER
VIBRA-SCREED-BULL FLOAT IN CONNECTION WITH LABORER'S WORK
VIBRATORS

GROUP 1 (A)

ALL WORK OF LOADING, PLACING AND BLASTING OF ALL POWDER & EXPLOSIVES OF WHATEVER TYPE, REGARDLESS OF METHOD USED FOR LOADING AND PLACING
JOY DRILL MODEL TWM-2A
GARDENER-DENVER MODEL DH 143 AND SIMILAR TYPE DRILLS
TRACK DRILLERS
JACK LEG DRILLERS
WAGON DRILLERS
MECHANICAL DRILLERS-ALL TYPES REGARDLESS OF TYPE OR METHOD OF POWER
MECHANICAL PIPE LAYER-ALL TYPES REGARDLESS OF TYPE OR METHOD OF POWER
BLASTERS AND POWDERMAN
TREE TOPPER
BIT GRINDER

GROUP 1 (B) - SEE GROUP 1 RATES

SEWER CLEANERS (ANY WORKMEN WHO HANDLE OR COME IN CONTACT WITH RAW SEWAGE IN SMALL DIAMETER SEWERS) SHALL RECEIVE \$4.00 PER DAY ABOVE GROUP 1 WAGE RATES, THOSE WHO WORK INSIDE RECENTLY ACTIVE, LARGE DIAMETER SEWERS, AND ALL RECENTLY ACTIVE SEWER MANHOLES SHALL RECEIVE \$5.00 PER DAY ABOVE GROUP 1 WAGE RATES.

GROUP 1 (C)

BURNING AND WELDING IN CONNECTION WITH LABORER'S WORK
SYNTHETIC THERMOPLASTICS AND SIMILAR TYPE WELDING

GROUP 1 (D)

SEE FOOTNOTE A ON PAGE 49

GROUP 1 (E)

WORK ON AND/OR IN BELL HOLE FOOTINGS AND SHAFTS THEREOF, AND WORK ON AND IN DEEP FOOTINGS (DEEP FOOTINGS IS A HOLE 15 FEET OR MORE IN DEPTH) SHAFT IS AN

GROUP 1 (F-1)

ALIGNER OF WIRE WINDING MACHINE IN CONNECTION WITH GUNTING OR SHOT CRETE

GROUP 1 (F-2)

ALIGNER HELPER OF WIRE WINDING MACHINE IN CONNECTION WITH GUNTING OR SHOT CRETE

GROUP 1 (G) APPLIES ONLY TO WORK IN CONTRA COSTA COUNTY

PIPELAYERS (INCLUDING GRADE CHECKING IN CONNECTION WITH PIPELAYING), CAULKERS, BANDERS, PIPEWRAPPERS, CONDUIT LAYERS, PLASTIC PIPE LAYER, PRESSURE PIPE TESTER, NO JOINT PIPE AND STRIPPING OF SAME, INCLUDING REPAIR OF VOIDS; PRECAST MANHOLE SETTERS, CAST IN PLACE MANHOLE FORM SETTERS IN CONTRA COSTA COUNTY ONLY

GROUP 1 (H)

SEE FOOTNOTE A ON PAGE 49

GROUP 2

ASPHALT SHOVELERS
CEMENT DUMPERS AND HANDLING DRY CEMENT OR GYPSUM
CHOKE-SETTER AND RIGGER (CLEARING WORK)
CONCRETE BUCKET DUMPER AND CHUTEMAN
CONCRETE CHIPPING AND GRINDING
CONCRETE LABORERS (WET OR DRY)
DRILLERS HELPER, CHUCK TENDER, NIPPER (ONE CHUCKTENDER ON SINGLE MACHINE OPERATION WITH MINIMUM OF ONE CHUCKTENDER FOR EACH TWO MACHINES ON MULTIPLE MACHINE OPERATION, JACKHAMMERS IN NO WAY INVOLVED IN THIS ITEM)
GUINEA CHASER (STAKEMAN), GROUT CREW
HIGH PRESSURE NOZZLEMAN, ADDUCTORS
HYDRAULIC MONITOR (OVER 100 LBS. PRESSURE)
LOADING AND UNLOADING, CARRYING AND HANDLING OF ALL RODS AND MATERIALS FOR USE IN REINFORCING CONCRETE CONSTRUCTION
PITTSBURGH CHIPPER, AND SIMILAR TYPE BRUSH SHREDDERS
SEMI-SKILLED WRECKER (SALVAGING OF OTHER BUILDING MATERIALS) - SEE ALSO SKILLED WRECKER (GROUP 1)
SLOPER
SINGLEFOOT, HAND HELD, PNEUMATIC TAMPER
ALL PNEUMATIC, AIR, GAS AND ELECTRIC TOOLS NOT LISTED IN GROUPS 1 THROUGH 1 (F) JACKING OF PIPE-UNDER 12 INCHES

GROUP 3

CONSTRUCTION LABORERS INCLUDING BRIDGE LABORERS, GENERAL LABORERS AND CLEANUP LABORERS
DEMOLITION WORKER
DUMPMAN, LOAD SPOTTER
FLAGPERSON/PEDESTRIAN MONITOR
FIRE WATCHER
FENCE ERECTORS, INCLUDING TEMPORARY FENCING
GUARDRAIL ERECTORS
GARDENER, HORTICULTURAL AND LANDSCAPE LABORERS (SEE GROUP 4, FOR LANDSCAPE MAINTENANCE ON NEW CONSTRUCTION DURING PLANT ESTABLISHMENT PERIOD)
JETTING
LIMBERS, BRUSH LOADERS, AND FILERS
PAVEMENT MARKERS (BUTTON SETTERS)
PAVERS/INTERLOCKING PAVERS (ALL TYPES) AND INTERLOCKING PAVER MACHINES
MAINTENANCE, REPAIR TRACKMEN AND ROAD BEDS
STREETCAR AND RAILROAD CONSTRUCTION TRACK LABORERS
TEMPORARY AIR AND WATER LINES, VICTAULIC OR SIMILAR
TOOL ROOM ATTENDANT (JOBSITE ONLY)
WHEELBARROW, INCLUDING POWER DRIVEN

GROUP 3 (A) - SEE GROUP 3 RATES

COMPOSITE CREW PERSON (OPERATION OF VEHICLES, WHEN IN CONJUNCTION WITH LABORER'S DUTIES)

GROUP 4

ALL FINAL CLEANUP OF DEBRIS, GROUNDS AND BUILDINGS NEAR THE COMPLETION OF THE PROJECT INCLUDING BUT NOT LIMITED TO STREET CLEANERS (NOT APPLICABLE TO ENGINEERING OR HEAVY HIGHWAY PROJECTS)
CLEANING AND WASHING WINDOWS (NEW CONSTRUCTION ONLY), SERVICE LANDSCAPE LABORERS (SUCH AS GARDENER, HORTICULTURE, MOWING, TRIMMING, REPLANTING, WATERING DURING PLANT ESTABLISHMENT PERIOD) ON NEW CONSTRUCTION
BRICK CLEANERS (JOB SITE ONLY)
MATERIAL CLEANERS (JOB SITE ONLY)

NOTE: AN ADDITIONAL DETERMINATION FOR LANDSCAPE MAINTENANCE WORK AFTER THE PLANT ESTABLISHMENT PERIOD OR WARRANTY PERIOD IS PUBLISHED ON PAGE 37 OF THESE GENERAL DETERMINATIONS.

GROUP 4

STRUCTURAL NOZZLEMAN

GROUP 4 (A)

NOZZLEMAN (INCLUDING GUNMAN, POTMAN)
RODMAN
GROUNDMAN

GROUP 4 (B) - SEE GROUP 4 RATES

GUNITE TRAINEE (ONE GUNITE LABORER SHALL BE ALLOWED FOR EACH THREE (3) JOURNEYMAN (GROUP 6, 6A, 6C, OR GENERAL LABORER) ON A CREW. IN THE ABSENCE OF THE JOURNEYMAN, THE GUNITE TRAINEE RECEIVES THE JOURNEYMAN SCALE). NOTE: THIS RATIO APPLIES ONLY TO WORK ON THE SAME JOB SITE.

GROUP 4 (C)

REBOUNDMAN

GROUP 7

LANDSCAPE LABORER TRAINEE (RATIO FOR TRAINEES IS ONE IN THREE. AT LEAST ONE SECOND PERIOD TRAINEE AND AT LEAST ONE THIRD PERIOD TRAINEE MUST BE EMPLOYED BEFORE EMPLOYING ANOTHER FIRST PERIOD TRAINEE). NOTE: THIS RATIO APPLIES ONLY TO WORK ON THE SAME JOB SITE.



GENERAL PREVAILING WAGE DETERMINATION MADE BY THE DIRECTOR OF INDUSTRIAL RELATIONS
PURSUANT TO CALIFORNIA LABOR CODE PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1
FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS

CRAFT: #LABORER AND RELATED CLASSIFICATIONS (Special Single and Second Shift)

DETERMINATION: NC-23-102-1-2015-2A

ISSUE DATE: August 22, 2015

EXPIRATION DATE OF DETERMINATION: JUNE 26, 2016** The rate to be paid for work performed after this date has been determined. If work will extend past this date, the new rate must be paid and should be incorporated in contracts entered into now. Contact the Office of the Director-Research Unit for specific rates at (415) 703-4774.

LOCALITY: ALL LOCALITIES WITHIN ALAMEDA, ALPINE, AMADOR, BUTTE, CALAVERAS, COLUSA, CONTRA COSTA, DEL NORTE, EL DORADO, FRESNO, GLENN, HUMBOLDT, KINGS, LAKE, LASSEN, MADERA, MARIPOSA, MARIN, MENDOCINO, MERCED, MODOC, MONTEREY, NAPA, NEVADA, PLACER, PLUMAS, SACRAMENTO, SAN BENITO, SAN FRANCISCO, SAN JOAQUIN, SAN MATEO, SANTA CLARA, SANTA CRUZ, SHASTA, SIERRA, SISKIYOU, SOLANO, SONOMA, STANISLAUS, SUTTER, TEHAMA, TRINITY, TULARE, TUOLUMNE, YOLO AND YUBA COUNTIES.

Classification ^a (Journey-person)	Basic Hourly Rate ^f	Employer Payments					Straight-Time		Overtime Hourly Rate		
		Health and Welfare	Pension	Vacation and Holiday	Training	Other Payments	Hours	Total Hourly Rate	Daily 1 1/2X	Saturday ^b 1 1/2X	Sunday/Holiday 2X
AREA 1 ^e											
Construction Specialist	32.49	7.54	10.38	2.63	0.43	0.22	8	53.69	69.935	69.935	86.18
Group 1; Group 1(B) ^c	31.79	7.54	10.38	2.63	0.43	0.22	8	52.99	68.885	68.885	84.78
Group 1 (A)	32.01	7.54	10.38	2.63	0.43	0.22	8	53.21	69.215	69.215	85.22
Group 1 (C)	31.84	7.54	10.38	2.63	0.43	0.22	8	53.04	68.96	68.96	84.88
Group 1 (E)	32.34	7.54	10.38	2.63	0.43	0.22	8	53.54	69.71	69.71	85.88
Group 1 (F-1)	32.37	7.54	10.38	2.63	0.43	0.22	8	53.57	69.755	69.755	85.94
Group 1 (F-2)	31.39	7.54	10.38	2.63	0.43	0.22	8	52.59	68.285	68.285	83.98
Group 1 (G)	31.99	7.54	10.38	2.63	0.43	0.22	8	53.19	69.185	69.185	85.18
Group 2	31.64	7.54	10.38	2.63	0.43	0.22	8	52.84	68.66	68.66	84.48
Group 3; Group 3(A)	31.54	7.54	10.38	2.63	0.43	0.22	8	52.74	68.51	68.51	84.28
Group 4; Group 4(B)	25.23	7.54	10.38	2.63	0.43	0.22	8	46.43	59.045 ^d	59.045 ^d	71.66 ^d
Group 6	32.75	7.54	10.38	2.63	0.43	0.22	8	53.95	70.325	70.325	86.70
Group 6 (A)	32.25	7.54	10.38	2.63	0.43	0.22	8	53.45	69.575	69.575	85.70
Group 6 (C)	31.66	7.54	10.38	2.63	0.43	0.22	8	52.86	68.69	68.69	84.52
Group 7 - Stage 1 (1 st 6 months)	22.98	7.54	10.38	2.63	0.43	0.22	8	44.18	55.67	55.67	67.16
Stage 2 (2 nd 6 months)	25.83	7.54	10.38	2.63	0.43	0.22	8	47.03	59.945	59.945	72.86
Stage 3 (3 rd 6 months)	28.69	7.54	10.38	2.63	0.43	0.22	8	49.89	64.235	64.235	78.58
AREA 2 ^e											
Construction Specialist	31.34	7.54	10.38	2.63	0.43	0.22	8	52.54	68.21	68.21	83.88
Group 1; Group 1(B) ^c	30.64	7.54	10.38	2.63	0.43	0.22	8	51.84	67.16	67.16	82.48
Group 1 (A)	30.86	7.54	10.38	2.63	0.43	0.22	8	52.06	67.49	67.49	82.92
Group 1 (C)	30.69	7.54	10.38	2.63	0.43	0.22	8	51.89	67.235	67.235	82.58
Group 1 (E)	31.19	7.54	10.38	2.63	0.43	0.22	8	52.39	67.985	67.985	83.58
Group 1 (F-1)	31.22	7.54	10.38	2.63	0.43	0.22	8	52.42	68.03	68.03	83.64
Group 1 (F-2)	30.24	7.54	10.38	2.63	0.43	0.22	8	51.44	66.56	66.56	81.68
Group 2	30.49	7.54	10.38	2.63	0.43	0.22	8	51.69	66.935	66.935	82.18
Group 3; Group 3(A)	30.39	7.54	10.38	2.63	0.43	0.22	8	51.59	66.785	66.785	81.98
Group 4; Group 4(B)	24.08	7.54	10.38	2.63	0.43	0.22	8	45.28	57.32 ^d	57.32 ^d	69.36 ^d
Group 6	31.60	7.54	10.38	2.63	0.43	0.22	8	52.80	68.60	68.60	84.40
Group 6 (A)	31.10	7.54	10.38	2.63	0.43	0.22	8	52.30	67.85	67.85	83.40
Group 6 (C)	30.51	7.54	10.38	2.63	0.43	0.22	8	51.71	66.965	66.965	82.22
Group 7 - Stage 1 (1 st 6 months)	22.13	7.54	10.38	2.63	0.43	0.22	8	43.33	54.395	54.395	65.46
Stage 2 (2 nd 6 months)	24.88	7.54	10.38	2.63	0.43	0.22	8	46.08	58.52	58.52	70.96
Stage 3 (3 rd 6 months)	27.64	7.54	10.38	2.63	0.43	0.22	8	48.84	62.66	62.66	76.48

PLEASE GO TO PAGE 50 FOR CLASSIFICATIONS WITHIN EACH GROUP

INDICATES AN APPRENTICEABLE CRAFT. THE CURRENT APPRENTICE WAGE RATES ARE AVAILABLE ON THE INTERNET AT

[HTTP://WWW.DIR.CA.GOV/OPRL/PWAPP/PWAPPWAGESTART.ASP](http://www.dir.ca.gov/OPRL/PWAPP/PWAPPWAGESTART.ASP) TO OBTAIN ANY APPRENTICE WAGE RATES AS OF JULY 1, 2008 AND PRIOR TO SEPTEMBER 27, 2012, PLEASE CONTACT THE DIVISION OF APPRENTICESHIP STANDARDS OR REFER TO THE DIVISION OF APPRENTICESHIP STANDARDS WEBSITE AT [HTTP://WWW.DIR.CA.GOV/DAS/DAS.HTML](http://www.dir.ca.gov/DAS/DAS.HTML)

a GROUP 1(D) - MAINTENANCE OR REPAIR TRACKMEN AND ROAD BEDS AND ALL EMPLOYEES PERFORMING WORK COVERED BY THIS CLASSIFICATION SHALL RECEIVE \$0.25 PER HOUR ABOVE THEIR REGULAR RATE FOR ALL WORK PERFORMED ON UNDERGROUND STRUCTURES NOT SPECIFICALLY COVERED HEREIN. THIS SHALL NOT APPLY TO WORK BELOW GROUND LEVEL IN OPEN CUT. THIS SHALL APPLY TO CUT AND COVER WORK OF SUBWAY CONSTRUCTION AFTER TEMPORARY COVER HAS BEEN PLACED.

GROUP 1(H) - ALL LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS RECEIVE \$0.25 PER HOUR ABOVE THEIR APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO LABORERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1(A).

b SATURDAYS IN THE SAME WORK WEEK MAY BE WORKED AT STRAIGHT-TIME IF JOB IS SHUT DOWN DURING THE NORMAL WORK WEEK DUE TO INCLEMENT WEATHER, MAJOR MECHANICAL BREAKDOWN OR LACK OF MATERIALS BEYOND THE CONTROL OF THE EMPLOYER.

c AREA 1 - ALAMEDA, CONTRA COSTA, MARIN, SAN FRANCISCO, SAN MATEO, AND SANTA CLARA COUNTIES.

AREA 2 - ALPINE, AMADOR, BUTTE, CALAVERAS, COLUSA, DEL NORTE, EL DORADO, FRESNO, GLENN, HUMBOLDT, KINGS, LAKE, LASSEN, MADERA, MARIPOSA, MENDOCINO, MERCED, MODOC, MONTEREY, NAPA, NEVADA, PLACER, PLUMAS, SACRAMENTO, SAN BENITO, SAN JOAQUIN, SANTA CRUZ, SHASTA, SIERRA, SISKIYOU, SOLANO, SONOMA, STANISLAUS, SUTTER, TEHAMA, TRINITY, TULARE, TUOLUMNE, YOLO AND YUBA COUNTIES.

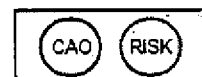
d SERVICE LANDSCAPE LABORER ON NEW CONSTRUCTION MAY WORK ANY FIVE (5) DAYS WITHIN A WEEK.

e GROUP 1(B) RECEIVES AN ADDITIONAL AMOUNT EACH DAY. SEE PAGE 50 FOR DETAILS.

f ZONE PAY AT THREE DOLLARS (\$3.00) PER HOUR, FACTORED AT THE APPLICABLE OVERTIME MULTIPLE, WILL BE ADDED TO THE BASE RATE FOR WORK PERFORMED OUTSIDE THE FREE ZONE DESCRIBED BY THE BOUNDARIES ALONG TOWNSHIP AND RANGE LINES. PLEASE SEE TRAVEL AND SUBSISTENCE PROVISIONS FOR MAP DESCRIPTION AND EXCEPTIONS.

RECOGNIZED HOLIDAYS: HOLIDAYS UPON WHICH THE GENERAL PREVAILING HOURLY WAGE RATE FOR HOLIDAY WORK SHALL BE PAID, SHALL BE ALL HOLIDAYS IN THE COLLECTIVE BARGAINING AGREEMENT, APPLICABLE TO THE PARTICULAR CRAFT, CLASSIFICATION, OR TYPE OF WORKER EMPLOYED ON THE PROJECT, WHICH IS ON FILE WITH THE DIRECTOR OF INDUSTRIAL RELATIONS. IF THE PREVAILING RATE IS NOT BASED ON A COLLECTIVELY BARGAINED RATE, THE HOLIDAYS UPON WHICH THE PREVAILING RATE SHALL BE PAID SHALL BE AS PROVIDED IN SECTION 6700 OF THE GOVERNMENT CODE. YOU MAY OBTAIN THE HOLIDAY PROVISIONS FOR THE CURRENT DETERMINATIONS ON THE INTERNET AT [HTTP://WWW.DIR.CA.GOV/OPRL/PWD](http://www.dir.ca.gov/OPRL/PWD). HOLIDAY PROVISIONS FOR CURRENT OR SUPERSEDED DETERMINATIONS MAY BE OBTAINED BY CONTACTING THE OFFICE OF THE DIRECTOR - RESEARCH UNIT AT (415) 703-4774.

TRAVEL AND/OR SUBSISTENCE PAYMENT: IN ACCORDANCE WITH LABOR CODE SECTIONS 1773.1 AND 1773.9, CONTRACTORS SHALL MAKE TRAVEL AND/OR SUBSISTENCE PAYMENTS TO EACH WORKER TO EXECUTE THE WORK. YOU MAY OBTAIN THE TRAVEL AND/OR SUBSISTENCE PROVISIONS FOR THE CURRENT DETERMINATIONS ON THE INTERNET AT [HTTP://WWW.DIR.CA.GOV/OPRL/PWD](http://www.dir.ca.gov/OPRL/PWD). TRAVEL AND/OR SUBSISTENCE REQUIREMENTS FOR CURRENT OR SUPERSEDED DETERMINATIONS MAY BE OBTAINED BY CONTACTING THE OFFICE OF THE DIRECTOR - RESEARCH UNIT AT (415) 703-4774.



GENERAL PREVAILING WAGE DETERMINATION MADE BY THE DIRECTOR OF INDUSTRIAL RELATIONS
PURSUANT TO CALIFORNIA LABOR CODE PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1

FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS

CRAFT: # CEMENT MASON

DETERMINATION: NC-23-203-1-2015-3

ISSUE DATE: August 22, 2015

EXPIRATION DATE OF DETERMINATION: June 30, 2016* Effective until superseded by a new determination issued by the Director of Industrial Relations. Contact the Office of the Director – Research Unit at (415) 703-4774 for the new rates after 10 days from the expiration date, if no subsequent determination is issued.

LOCALITY: All localities within Alameda, Alpine, Amador, Butte, Calaveras, Colusa, Contra Costa, Del Norte, El Dorado, Fresno, Glenn, Humboldt, Kings, Lake, Lassen, Madera, Marin, Mariposa, Mendocino, Merced, Modoc, Monterey, Napa, Nevada, Placer, Plumas, Sacramento, San Benito, San Francisco, San Joaquin, San Mateo, Santa Clara, Santa Cruz, Shasta, Sierra, Siskiyou, Solano, Sonoma, Stanislaus, Sutter, Tehama, Trinity, Tulare, Tuolumne, Yolo, and Yuba counties.

CLASSIFICATION (JOURNEYPERSON)	Employer Payments						Straight-Time		Overtime Hourly Rate		
	Basic Hourly Rate	Health and Welfare	Pension	Vacation and Holiday	Training	Other	Hours ^b	Total Hourly Rate	Daily 1 1/2X	Saturday ^c 1 1/2X	Sunday and Holiday
Cement Mason	\$31.00	8.20	10.30	5.32 ^a	0.47	0.17	8	55.46	70.96	70.96 ^d	86.46
Mastic Magnesite Gypsum, Epoxy, Polyester, Resin and all composition masons, swing or slip form scaffolds	\$31.75	8.20	10.30	5.32 ^b	0.47	0.17	8	56.21	72.085	72.085 ^d	87.96

Indicates an apprenticeable craft. The current apprentice wage rates are available on the Internet @ <http://www.dir.ca.gov/OPRL/PWAppWage/PWAppWageStart.asp>. To obtain any apprentice wage rates as of July 1, 2008 and prior to September 27, 2012, please contact the Division of Apprenticeship Standards or refer to the Division of Apprenticeship Standards' website at <http://www.dir.ca.gov/das/das.html>.

^a Includes an amount for supplemental dues.

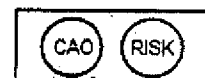
^b Where multiple shifts are worked, the day shift shall work eight (8) hours and for such work they shall be paid the regular straight time rate for eight (8) hours; the second (2nd) shift shall work seven and one-half (7 1/2) hours, and for such work they shall be paid the regular straight time rate for eight (8) hours; if a third (3rd) shift is worked, they shall work seven (7) hours and for such work they shall be paid eight (8) hours regular straight time pay. No multiple shift shall be started for less than five (5) consecutive days.

^c Saturdays in the same work week may be worked at straight time if a job is shut down during the normal work week due to inclement weather or major mechanical breakdown (limited to curb and gutter machine, concrete pump, and concrete plant).

^d Rate applies to the first 8 hours of work on Saturday. All other hours worked on Saturday are paid at the Sunday/Holiday rate.

RECOGNIZED HOLIDAYS: Holidays upon which the general prevailing hourly wage rate for Holiday work shall be paid, shall be all holidays in the collective bargaining agreement, applicable to the particular craft, classification, or type of worker employed on the project, which is on file with the Director of Industrial Relations. If the prevailing rate is not based on a collectively bargained rate, the holidays upon which the prevailing rate shall be paid shall be as provided in Section 6700 of the Government Code. You may obtain the holiday provisions for the current determinations on the Internet at <http://www.dir.ca.gov/OPRL/PWD>. Holiday provisions for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

TRAVEL AND/OR SUBSISTENCE PAYMENT: In accordance with Labor Code Sections 1773.1 and 1773.9, contractors shall make travel and/or subsistence payments to each worker to execute the work. You may obtain the travel and/or subsistence provisions for the current determinations on the Internet at <http://www.dir.ca.gov/OPRL/PWD>. Travel and/or subsistence requirements for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.



GENERAL PREVAILING WAGE DETERMINATION MADE BY THE DIRECTOR OF INDUSTRIAL RELATIONS
PURSUANT TO CALIFORNIA LABOR CODE PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1

FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS

CRAFT: # CEMENT MASON (SPECIAL SINGLE SHIFT)

DETERMINATION: NC-23-203-1A-2015-3

ISSUE DATE: August 22, 2015

EXPIRATION DATE OF DETERMINATION: June 30, 2016* Effective until superseded by a new determination issued by the Director of Industrial Relations. Contact the Office of the Director – Research Unit at (415) 703-4774 for the new rates after 10 days from the expiration date, if no subsequent determination is issued.

LOCALITY: All localities within Alameda, Alpine, Amador, Butte, Calaveras, Colusa, Contra Costa, Del Norte, El Dorado, Fresno, Glenn, Humboldt, Kings, Lake, Lassen, Madera, Marin, Mariposa, Mendocino, Merced, Modoc, Monterey, Napa, Nevada, Placer, Plumas, Sacramento, San Benito, San Francisco, San Joaquin, San Mateo, Santa Clara, Santa Cruz, Shasta, Sierra, Siskiyou, Solano, Sonoma, Stanislaus, Sutter, Tehama, Trinity, Tulare, Tuolumne, Yolo, and Yuba counties.

CLASSIFICATION (JOURNEYPERSON)	Employer Payments						Straight-Time Hours	Total Hourly Rate	Overtime Hourly Rate		
	Basic Hourly Rate	Health and Welfare	Pension	Vacation and Holiday	Training	Other			Daily 1 1/2X	Saturday ^b 1 1/2X	Sunday and Holiday
Cement Mason	\$34.00	8.20	10.30	5.32 ^a	0.47	0.17	8	58.46	73.96	73.96 ^c	89.46
Mastic Magnesite Gypsum, Epoxy, Polyester, Resin and all composition masons, swing-or slip form scaffolds	\$34.75	8.20	10.30	5.32 ^a	0.47	0.17	8	59.21	75.085	75.085 ^c	90.96

Indicates an apprenticeable craft. The current apprentice wage rates are available on the Internet @ <http://www.dir.ca.gov/OPRL/PWAppWage/PWAppWageStart.asp>. To obtain any apprentice wage rates as of July 1, 2008 and prior to September 27, 2012, please contact the Division of Apprenticeship Standards or refer to the Division of Apprenticeship Standards' website at <http://www.dir.ca.gov/das/das.html>.

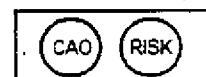
^a Includes an amount for supplemental dues.

^b Saturdays in the same work week may be worked at straight time if a job is shut down during the normal work week due to inclement weather or major mechanical breakdown (limited to curb and gutter machine, concrete pump, and concrete plant).

^c Rate applies to the first 8 hours of work on Saturday. All other hours worked on Saturday are paid at the Sunday/Holiday rate.

RECOGNIZED HOLIDAYS: Holidays upon which the general prevailing hourly wage rate for Holiday work shall be paid, shall be all holidays in the collective bargaining agreement, applicable to the particular craft, classification, or type of worker employed on the project, which is on file with the Director of Industrial Relations. If the prevailing rate is not based on a collectively bargained rate, the holidays upon which the prevailing rate shall be paid shall be as provided in Section 6700 of the Government Code. You may obtain the holiday provisions for the current determinations on the Internet at <http://www.dir.ca.gov/OPRL/PWD>. Holiday provisions for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

TRAVEL AND/OR SUBSISTENCE PAYMENT: In accordance with Labor Code Sections 1773.1 and 1773.9, contractors shall make travel and/or subsistence payments to each worker to execute the work. You may obtain the travel and/or subsistence provisions for the current determinations on the Internet at <http://www.dir.ca.gov/OPRL/PWD>. Travel and/or subsistence requirements for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.



GENERAL PREVAILING WAGE DETERMINATION MADE BY THE DIRECTOR OF INDUSTRIAL RELATIONS
PURSUANT TO CALIFORNIA LABOR CODE PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1

FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS

CRAFT: #DRYWALL INSTALLER/LATHER (CARPENTER)

DETERMINATION: NC-31-X-16-2015-2

ISSUE DATE: August 22, 2015

EXPIRATION DATE OF DETERMINATION: June 30, 2016** The rate to be paid for work performed after this date has been determined. If work will extend past this date, the new rate must be paid and should be incorporated in contracts entered into now. Contact the Office of the Director - Research Unit for specific rates at (415) 703-4774.

LOCALITY: All localities within Alameda, Alpine, Amador, Butte, Calaveras, Colusa, Contra Costa, Del Norte, El Dorado, Fresno, Glenn, Humboldt, Kings, Lake, Lassen, Madera, Marin, Mariposa, Mendocino, Merced, Modoc, Monterey, Napa, Nevada, Placer, Plumas, Sacramento, San Benito, San Francisco, San Joaquin, San Mateo, Santa Clara, Santa Cruz, Shasta, Sierra, Siskiyou, Solano, Sonoma, Stanislaus, Sutter, Tehama, Trinity, Tulare, Tuolumne, Yolo and Yuba counties.

CLASSIFICATION (Journey person)	Employer Payments						Straight-Time		Overtime Hourly Rate		
	Basic Hourly Rate	Health and Welfare	Pension	Vacation/ Holiday ^a	Training	Other Payments	Hours	Total Hourly Rate	Daily 1 1/2X	Saturday 1 1/2X	Sunday and Holiday
* Area 1											
Drywall Installer/ Lather	\$42.40	\$11.05	\$12.10	\$4.26	\$0.72	\$0.86	8	\$71.39	^b \$92.59	^b \$92.59	\$113.79
Stocker, Scrapper ^c	21.20	11.05	5.45	4.21	-	-	8	41.91	^b 52.51	^b 52.51	63.11
Stocker, Scrapper	21.20	11.05	1.10	4.21	-	-	8	37.56	^b 48.16	^b 48.16	58.76
* Area 2											
Drywall Installer/ Lather	36.52	11.05	12.10	4.26	0.72	0.86	8	65.51	^b 83.77	^b 83.77	102.03
Stocker, Scrapper ^c	18.26	11.05	5.45	4.21	-	-	8	38.97	^b 48.10	^b 48.10	57.23
Stocker, Scrapper	18.26	11.05	1.10	4.21	-	-	8	34.62	^b 43.75	^b 43.75	52.88
* Area 3											
Drywall Installer/ Lather	37.02	11.05	12.10	4.26	0.72	0.86	8	66.01	^b 84.520	^b 84.520	103.03
Stocker, Scrapper ^c	18.51	11.05	5.45	4.21	-	-	8	39.22	^b 48.475	^b 48.475	57.73
Stocker, Scrapper	18.51	11.05	1.10	4.21	-	-	8	34.88	^b 44.125	^b 44.125	53.38
* Area 4											
Drywall Installer/ Lather	35.67	11.05	12.10	4.26	0.72	0.86	8	64.66	^b 82.495	^b 82.495	100.33
Stocker, Scrapper ^c	17.84	11.05	5.45	4.21	-	-	8	38.55	^b 47.47	^b 47.47	56.39
Stocker, Scrapper	17.84	11.05	1.10	4.21	-	-	8	34.20	^b 43.12	^b 43.12	52.04

#Indicates an apprenticeable craft. The current apprentice wage rates are available on the Internet @ <http://www.dir.ca.gov/OPRL/PWAppWage/PWAppWageStart.asp>. To obtain any apprentice wage rates as of July 1, 2008 and prior to September 27, 2012, please contact the Division of Apprenticeship Standards or refer to the Division of Apprenticeship Standards' website at <http://www.dir.ca.gov/das/das.html>.

^a Area 1 - Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano and Sonoma counties.

^b Area 2 - Monterey, San Benito, and Santa Cruz Counties.

^c Area 3 - El Dorado, Placer, Sacramento, San Joaquin, and Yolo Counties.

^d Area 4 - Alpine, Amador, Butte, Calaveras, Colusa, Del Norte, El Dorado, Fresno, Glenn, Humboldt, Kings, Lake, Lassen, Madera, Mariposa, Mendocino, Merced, Modoc, Nevada, Placer, Plumas, Shasta, Sierra, Siskiyou, Stanislaus, Sutter, Tehama, Trinity, Tulare, Tuolumne, and Yuba Counties.

^e Employed by the same contractor for 2000 hours (consecutively or cumulatively).

^f Includes an amount for Annuity Trust Fund.

^g Includes an amount for Work Fees.

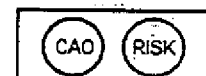
^h Rate applies to the first 4 overtime hours Monday through Friday and the first 8 hours on Saturday. All other time is paid at the Sunday and Holiday overtime rate.

Saturdays may be worked at straight time if job is shut down during Monday through Friday due to inclement weather or major mechanical breakdown.

ⁱ Area 3 includes the portion of Placer County west of and including Highway 49 and the portion of El Dorado County west of and including Highway 49 and the territory inside the city limits of Placerville. Area 4 includes the portions of Placer and El Dorado Counties not covered in Area 3.

RECOGNIZED HOLIDAYS: Holidays upon which the general prevailing hourly wage rate for Holiday work shall be paid, shall be all holidays in the collective bargaining agreement, applicable to the particular craft, classification, or type of worker employed on the project, which is on file with the Director of Industrial Relations. If the prevailing rate is not based on a collectively bargained rate, the holidays upon which the prevailing rate shall be paid shall be as provided in Section 6700 of the Government Code. You may obtain the holiday provisions for the current determinations on the Internet at <http://www.dir.ca.gov/OPRL/PWD>. Holiday provisions for current or superseded determinations may be obtained by contacting the Office of the Director - Research Unit at (415) 703-4774.

TRAVEL AND/OR SUBSISTENCE PAYMENT: In accordance with Labor Code Sections 1773.1 and 1773.9, contractors shall make travel and/or subsistence payments to each worker to execute the work. You may obtain the travel and/or subsistence provisions for the current determinations on the Internet at <http://www.dir.ca.gov/OPRL/PWD>. Travel and/or subsistence requirements for current or superseded determinations may be obtained by contacting the Office of the Director - Research Unit at (415) 703-4774.



GENERAL PREVAILING WAGE DETERMINATION MADE BY THE DIRECTOR OF INDUSTRIAL RELATIONS
PURSUANT TO CALIFORNIA LABOR CODE PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1

FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS

CRAFT: ASBESTOS REMOVAL WORKER (LABORER)

DETERMINATION: NC-102-67-1-2015-1

ISSUE DATE: February 22, 2015

EXPIRATION DATE OF DETERMINATION: November 30, 2015** The rate to be paid for work performed after this date has been determined. If work will extend past this date, the new rate must be paid and should be incorporated in contracts entered into now. Contact the Office of the Director – Research Unit for specific rates at (415) 703-4774.

LOCALITY: All localities within Alameda, Alpine, Amador, Butte, Calaveras, Colusa, Contra Costa, Del Norte, El Dorado, Fresno, Glenn, Humboldt, Kings, Lake, Lassen, Madera, Marin, Mariposa, Mendocino, Merced, Modoc, Monterey, Napa, Nevada, Placer, Plumas, Sacramento, San Benito, San Francisco, San Joaquin, San Mateo, Santa Clara, Santa Cruz, Shasta, Sierra, Siskiyou, Solano, Sonoma, Stanislaus, Sutter, Tehama, Trinity, Tulare, Tuolumne, Yolo; and Yuba Counties.

Classification (Journeyman)	Employer Payments						Straight-Time		Overtime Hourly Rate	
	Basic Hourly Rate	Health and Welfare	Pension	Vacation/ Holiday ^a	Training	Other Payments	Hours	Total Hourly Rate	1-1/2X ^b	Holiday ^c 2X
Asbestos Removal Specialist II	26.11	5.74	5.24	2.64	0.44	0.15	8	40.32	53.375	66.43
Asbestos Removal Specialist I	23.17	5.74	1.31	2.64	0.44	0.15	8	33.45	45.035	56.62
Asbestos Removal Worker	20.06	5.74	0.80	2.64	0.44	0.15	8	29.83	39.86	49.89

DETERMINATION: NC-102-67-1-2015-1A

ISSUE DATE: August 22, 2015

EXPIRATION DATE OF DETERMINATION: June 26, 2016** The rate to be paid for work performed after this date has been determined. If work will extend past this date, the new rate must be paid and should be incorporated in contracts entered into now. Contact the Office of the Director – Research Unit for specific rates at (415) 703-4774.

LOCALITY: All localities within Alameda, Alpine, Amador, Butte, Calaveras, Colusa, Contra Costa, Del Norte, El Dorado, Fresno, Glenn, Humboldt, Kings, Lake, Lassen, Madera, Marin, Mariposa, Mendocino, Merced, Modoc, Monterey, Napa, Nevada, Placer, Plumas, Sacramento, San Benito, San Francisco, San Joaquin, San Mateo, Santa Clara, Santa Cruz, Shasta, Sierra, Siskiyou, Solano, Sonoma, Stanislaus, Sutter, Tehama, Trinity, Tulare, Tuolumne, Yolo, and Yuba Counties.

Lead Removal Worker ^d	29.02	7.49	10.16	2.73	0.44	0.15	8	49.99	64.500	79.01
Lead Removal Worker ^e	28.02	7.49	10.16	2.73	0.44	0.15	8	48.99	63.000	77.01

^a Includes an amount for Supplemental Dues.

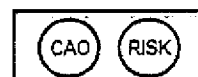
^b Rate applies to the first 4 overtime hours in any workday or 40 hours in a workweek, and for the first 8 hours worked on the 7th consecutive day of work in a workweek.

^c Rate applies to Holidays and to all hours worked in excess of 12 hours in any workday and for all hours worked in excess of 8 hours on the 7th consecutive day of work in a workweek.

^d Rate applies to all localities within Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo and Santa Clara Counties.

^e Rate applies to all localities within Alpine, Amador, Butte, Calaveras, Colusa, Del Norte, El Dorado, Fresno, Glenn, Humboldt, Kings, Lake, Lassen, Madera, Mariposa, Mendocino, Merced, Modoc, Monterey, Nevada, Placer, Plumas, Sacramento, San Benito, San Joaquin, Santa Cruz, Shasta, Sierra, Siskiyou, Solano, Sonoma, Stanislaus, Sutter, Tehama, Trinity, Tulare, Tuolumne, Yolo and Yuba Counties.

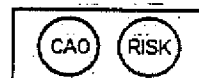
(Recognized Holidays and Subsistence Payment footnotes listed on page 52C)



NOTE: Asbestos Removal Workers must be trained and the work conducted according to the Code of Federal Regulations 29 CFR 1926.58, the California Labor Code 6501.5 and the California Code of Regulations, Title 8, Section 5208. Contractors must be certified by the Contractors' State License Board and registered with the Division of Occupational Safety and Health (DOSH). For further information, contact the Asbestos Contractors Abatement Registration Unit, DOSH at (510) 286-7362.

RECOGNIZED HOLIDAYS: Holidays upon which the general prevailing hourly wage rate for Holiday work shall be paid, shall be all holidays in the collective bargaining agreement, applicable to the particular craft, classification, or type of worker employed on the project, which is on file with the Director of Industrial Relations. If the prevailing rate is not based on a collectively bargained rate, the holidays upon which the prevailing rate shall be paid shall be as provided in Section 6700 of the Government Code. You may obtain the holiday provisions for the current determinations on the Internet at <http://www.dir.ca.gov/OPRL/PWD>. Holiday provisions for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

TRAVEL AND/OR SUBSISTENCE PAYMENT: In accordance with Labor Code Sections 1773.1 and 1773.9, contractors shall make travel and/or subsistence payments to each worker to execute the work. You may obtain the travel and/or subsistence provisions for the current determinations on the Internet at <http://www.dir.ca.gov/OPRL/PWD>. Travel and/or subsistence requirements for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.





DEPARTMENT OF PLANS & PUBLIC WORKS
Capital Projects Division

October 27, 2015

To: All Contractors

Subject: Perform Mechanical Repairs and Upgrades to HVAC Systems and
Associated Components: B343 (DPW-14021E) - Addendum No. 2

Sent Via: Email/Mail/Web Posting

Plans and Specifications are amended as follows:

Bid opening date has been postponed until Tuesday, November 3, 2015 at 2:00 p.m. to address questions regarding the fire system connection. Addendum No.3 will be issued to address these questions.

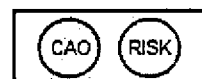
Acknowledge this addendum in your bid on Part-II, Page 7 of the Specifications.

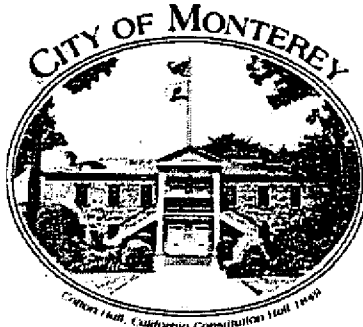
Sealed proposals will be received in the office of the City Clerk, attention Finance Director, 580 Pacific Street, Room 6, City of Monterey, California, until 2:00 PM November 3, 2015. If you have any additional questions, please contact Andreas Baer at (831) 242-8777.

Sincerely,


Elvie Camacho, P.E.
Senior Engineer

cc. Finance Department
Admin Asst Dickson





October 30, 2015

ADDENDUM 3

To: All Contractors

Subject: Main Fire Panel, Concrete Pad Elevation, Environmental Review Checklist, Power Exhaust

Project: Perform Mechanical Repairs and Upgrades to HVAC Systems and Associated Components: B343 (DPW-14021E)

Sent Via: Email/Mail/Web Posting

The Plans and Specifications are amended as follows:

1) Concrete Pad Elevation:

PLAN SHEET M0.1, B343 1ST FLOOR, DEMOLITION PLAN – IS AMENDED AS FOLLOWS:

The demolition plans call for the removal of a curb dividing two adjacent concrete pads. The two adjacent pads have no more than a 1/2" in elevation difference. Contractors should assume that the new AC-1 unit may span the two pads and can be shimmed up in the field to be made level. Shims may be Galvanized metal, or manufacturer-supplied leveling feet.

2) Main Fire Panel:

PLAN SHEET M1.1, NOTE 6 AND SPECIFICATIONS, DUCT SMOKE DETECTOR ARE AMENDED TO ADD THE FOLLOWING:

The main fire panel in building 343 was installed and is supported by a company named Intelli-tech. The City does not specifically endorse Intelli-tech over any other fire alarm contractor, and work under this contract may be completed by any equivalent and qualified contractor if approved by the City. However, the City has determined that Intelli-tech is qualified to add a duct detector to the system and tie that duct detector into Fire Alarm Control Panel in the Building 343. Attachment # 1 of this Addendum includes a quote from Intelli-tech. All fire alarm work associated with this project shall be completed by the Contractor, and or the Contractor's SubContractors. The attached quote is only included for the Bidders information, each bidder should negotiate directly with Intelli-tech if the bidder intends to use that company as a sub contractor. All sub

contractors need to be listed by the bidder on part II of the Specifications. Intelli-tech's contact information is as follows.

Attn: Bill Digrazia, or Luke Tait
1031 Serpentine Lane, Suite 101 Pleasanton, CA 94566
O: (925) 484-3701 F: (925) 426-5013

3) Power Exhaust:

PLAN SHEET M1.1 NOTE 10 IS AMENDED TO INCLUDE THE FOLLOWING:

The Power Exhaust unit shall be model No. PEHCPRDLCDB25M or approved equal. Attachment 2 of this addendum is the cut sheet for the power exhaust system intended for use. The Contractor is responsible for providing duct shop drawings showing the duct attachment and power exhaust support. The power exhaust system shall be supported by strut bolted to the concrete pad, and mounted in accordance with SMACNA Standards. The power exhaust shall be supplied with a fully modulating economizer designed for installation in the air conditioning unit. The power exhaust system shall be controlled using a differential pressure transducer designed to continuously monitor space pressure.

4) Environmental Review Checklist:

SPECIFICATIONS, APPENDIX G:

Appendix G of the Specifications is hereby deleted.

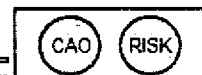
Acknowledge this addendum in your bid on Part-II, Page 7 of the Specifications.

Sealed proposals will be received in the office of the City Clerk, attention Finance Director, 580 Pacific Street, Room 6, City of Monterey, California, until 2:00 PM November 3rd, 2015. If you have any additional questions, please contact Andreas Baer at (831) 242-8777.

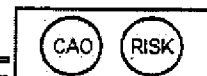
Sincerely,



Andreas Baer, P.E.
Associate Mechanical Engineer



Attachment #1 – Intelli-tech Fire Alarm Work Quote





1031 Serpentine Lane, Suite 101
 Pleasanton, CA 94566
 Phone (925) 484-3701
 Fax (925) 426-5013

Remedial-Small Job Quote

Quote Number:	161729
Date:	10/26/2015

Bill To:

Presidio of Monterey
 Attn: Russ Bridges
 DPW 580 Pacific St. City Hall
 Monterey, CA93940

Contact: Russ Bridges

PO Number: ***** Quote *****

Taxable: Non-Taxable

Taxed at: 7.25%

Terms: Net 30 Days

Reference WO#:

Salesman: Tait, Luke

Job Number: N/A

Agreement Type: Time of Service Billing

Service Location:

Presidio of Monterey
 548 Fitch Road Bldg 343
 Monterey, CA 93944

Scope of Work:

Provide labor for the technical support/programming service to revise/update design of drawings for (1) Monitor Module & (1) Relay Module which are to be interconnected to a new HVAC unit Duct Detector. Labor to be performed during regular business hrs.

Item	Description	Quantity	Unit Price	Amount
	Onsite Support estimated at 8hrs if more time is required it will be at an additional cost.	1 Lot	1,996.00	1,996.00

Exclusions

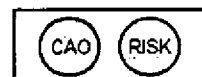
All installation labor & material by others. OT labor not included, permit fees not included but can be submitted for an additional cost.

Subtotal:	1,996.00
Sales Tax:	

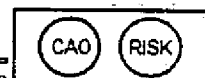
Estimated Cost of Repair if Scheduled Now: **1,996.00**

Work Authorization Signature: _____ **Date** _____

Purchase Order #: _____



Attachment #2 – Power Exhaust Vent



FEATURES

- Includes fully modulating economizer. (See Form ECO-200 for Economizer Specs).
- CO₂ controller standard on economizer. Space or duct mounted CO₂ sensor provided option:
 - CO2WM - Wall Mount With LED
 - CO2DM - Duct Mount
- LEED economizer option.
- Access for motor, blower, and blower drives.
- Adjustable motor sheave.
- Motor with automatic internal thermal protection.
- Modulating option includes fully programmable (factory set) variable frequency drive controlled by a differential pressure transducer designed to continuously monitor space pressure.

HORIZONTAL DISCHARGE CENTRIFUGAL POWER EXHAUST ECONOMIZER FOR YORK UNITS

ZF/ZH/ZR 102-150; ZJ/XP 078-150; BP 078, 102-150; DJ 150; DH 120, 150; DF 078, 150; DM 078,120, 150; DR 090-150

VOLTAGE	External Static (In. W.G)				FLA	Hp	Wt
	0.1	0.2	0.3	0.4			
230V/3Ph					5.6	2	238 Lbs. (Includes Economizer)
460V/3Ph	4,200 cfm	4,000 cfm	3,900 cfm	3,800 cfm	2.8		

ProVent P/N	
CONSTANT VOLUME	MODULATING
PEHCPRLCDB25C 208/230V 3Ph Selectable Dry Bulb	PEHCPRLCDB25M 208/230V 3Ph Selectable Dry Bulb
PEHCPRLCEN25C 208/230V 3Ph Enthalpy	PEHCPRLCEN25M 208/230V 3Ph Enthalpy
PEHCPRLCDB46C 460V 3Ph Selectable Dry Bulb	PEHCPRLCDB46M 460V 3Ph Selectable Dry Bulb
PEHCPRLCEN46C 460V 3Ph Enthalpy	PEHCPRLCEN46M 460V 3Ph Enthalpy

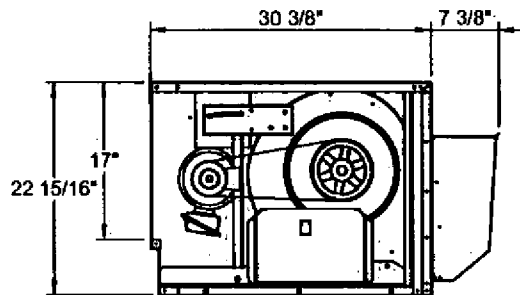
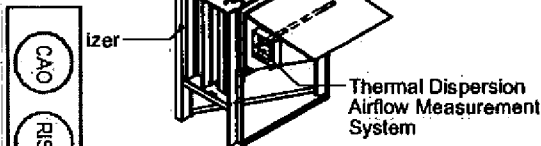
Note: For factory installed LEED economizer / power exhaust option, part number, FLOWECPRD3716, must be added.

PLEASE NOTE:

1. Return air duct, dampers, return air grills are specific for each unit.
2. For proper electrical wire sizing, Provent power exhaust full load amps need to be added to equation.

LEED ECONOMIZER / POWER EXHAUST OPTION

- ProVent P/N: FLOWECPRD3716
- Outside air measurement for dilution utilizing thermal dispersion technology and ASHRAE 62.1 compliant. Provides LEED credit by supplying feedback on ventilation system performance ensuring that the ventilation system maintains design requirements.
- Factory installed onto economizer/power exhaust standard.
- Provides analog outputs for BMS, visual or audible alert, and generates an alarm when conditions vary by 10% or more of set point.

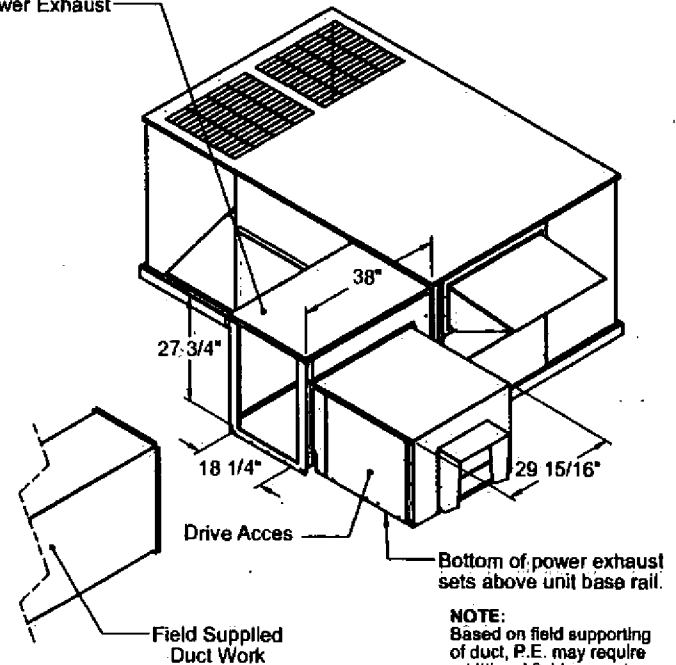


NOTE:
If drive components are required on other side (RT) please specify when ordering.



Only Ruskin Company Model CD-60 is AMCA Certified

Mounting Section Included With Power Exhaust



3847 WABASH DR.
MIRA LOMA, CA 91725

PHONE (951) 685-1101
FAX (619) 872-9799

SUBMITTED TO: _____
 COMPANY: _____
 JOB NAME: _____
 EQUIPMENT: _____
 NOTES: _____

FORM NO:
PE-05

DATE:
7/23/2014

PART NUMBER:
PEHCPRLC SERIES

REV:
12

DRAWN BY:
CNG

PERFORM MECHANICAL REPAIRS AND UPGRADES TO HVAC SYSTEMS AND ASSOCIATED COMPONENTS: B343

THIS PROJECT SUPPORTS THE OPERATIONS IN AN ELECTRICAL SERVER ROOM THE SERVER ROOM SHALL NEVER LOOSE POWER, AND SHALL HAVE MECHANICAL COOLING AT ALL TIMES DURING CONSTRUCTION.

GENERAL NOTES

- EXCEPT AS OTHERWISE SPECIFIED, ALL WORK AND MATERIALS SHALL CONFORM TO AND BE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE THESE PLANS, THE SPECIFICATIONS.
- THE EXISTING FACILITIES INDICATED ON THESE PLANS ARE DESIGNATED AS CLOSELY AS POSSIBLE TO REPRESENT EXISTING CONDITIONS. HOWEVER, IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO ASCERTAIN THE EXISTENCE AND LOCATION OF ALL UNDERGROUND AND EXISTING FACILITIES AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR SHALL CONTACT U.S.A. (UNDERGROUND SERVICE ALERT), TELEPHONE NUMBER 1-800-271-3600 48 HOURS IN ADVANCE OF PERFORMING ANY TRENCHING AND/OR EXCAVATION WORK.
- IN THE EVENT OF ANY CONFLICT OF INFORMATION SHOWN ON THESE PLANS, THE SPECIFICATIONS, AND THE FIELD, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER, OR CONSTRUCTION MANAGER IN WRITING, UPON WHICH TIME THE PROJECT ENGINEER OR CONSTRUCTION MANAGER SHALL RESOLVE THE CONFLICT. THE CONTRACTOR SHALL BEAR FULL COST AND RESPONSIBILITY FOR WORK AFFECTED BY SUCH UNRESOLVED CONFLICTS AND PERFORMED BY THE CONTRACTOR PRIOR TO THE RESOLUTION BY THE PROJECT ENGINEER, OR CONSTRUCTION MANAGER.
- THE CONTRACTOR SHALL EXERCISE ALL NECESSARY CAUTION TO AVOID DAMAGE TO ANY EXISTING TREES, LANDSCAPE, UTILITIES AND/OR SURFACE IMPROVEMENTS WHICH ARE TO REMAIN IN PLACE, AND SHALL BEAR FULL RESPONSIBILITY FOR ANY DAMAGE THEREOF.
- THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT FINISHED AREAS OF THE PROJECT ARE PROTECTED FROM ANY DAMAGE, WHICH MAY RESULT FROM ADJACENT AREAS STILL UNDER CONSTRUCTION.
- THE CONTRACTOR AGREES THAT HE/SHE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS, INCLUDING THE SAFETY OF PERSONS AND PROPERTY, DURING CONSTRUCTION OF THE PROJECT AND THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE CITY AND THE CITY ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE CITY OR THE CITY ENGINEER.
- THIS WORK SHALL BE PERFORMED DURING REGULAR WORKING HOURS, 8:00AM THROUGH 5:00PM MONDAY THROUGH FRIDAY.
- CONTRACTOR MAY PARK IN PARKING LOT ADJACENT TO B343 AS SHOWN ON THE STAGING PLAN T11.
- THE CITY DOES NOT HEREBY EXPLICITLY ENDORSE ONE PRODUCT, OR REQUIRE THE PURCHASE OF ONE PRODUCT OVER ANOTHER. THE CITY WILL ACCEPT EQUIVALENT ALTERNATIVES TO ANY PRODUCT SHOWN. THE PROJECT ENGINEER MUST APPROVE ALL ALTERNATIVE MATERIALS, AND SHALL BE THE SOLE JUDGE OF THEIR EQUIVALENCE.

SCOPE OF WORK

THE INTENT OF THIS PROJECT IS TO UPGRADE THE EXISTING HVAC SYSTEM BY REPLACING THE FAILING AIR HANDLING UNIT (AHU-1) WITH A PROPERLY SIZED AND COMMISSIONED AIR CONDITIONING UNIT (AC-1) WITH AN OUTDOOR AIR ECONOMIZER. THE PROJECT SHALL ALSO INCLUDE BALANCING AND REDISTRIBUTING EXISTING INTERIOR FLEX DUCT WORK AND CORRESPONDING SUPPLY AND RETURN GRILLS. THE BUILDING IS A SINGLE FLOOR SERVER ROOM. THE WORK IN GENERAL INCLUDES BUT IS NOT LIMITED TO:

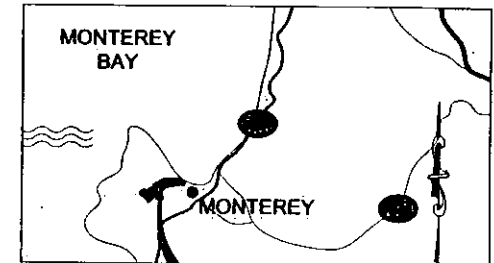
- PROVIDE 7.5 TON TEMPORARY COOLING SYSTEM SET TO 72 DEGREE F TO ENSURE THAT SERVER EQUIPMENT WILL BE FULLY OPERATIONAL DURING CONSTRUCTION. TEMPORARY COOLING SHOULD BE DUCTED INTO THE SERVER ROOM THROUGH THE EXTERIOR DOOR AND SHALL EXHAUST INTO THE REST OF THE BUILDING.
- REMOVE (E) AHU-1 AND REPLACE WITH A NEW AC-1 UNIT.
 - ALL REFRIGERANTS FROM (E) UNIT MUST BE PROPERLY RECOVERED AND DISPOSED OF IN ACCORDANCE WITH THE CLEAN AIR ACT AMENDMENT OF 1980. A/C COMPRESSORS CONTAINING OIL-REFRIGERANT MIXTURE SHALL

BE TREATED AS HAZARDOUS MATERIAL AND DISPOSED OF BY A LICENSED HAZARDOUS MATERIAL HAULER WITH MANIFEST SIGNED BY DEPARTMENT OF PUBLIC WORKS (DPW) (E) AIR HANDLER SHALL BE REMOVED FROM ITS PAD-MOUNTED LOCATION OUTSIDE BUILDING 343 WITHOUT DISRUPTION/INTERFERENCE TO OVERHEAD ELECTRICAL LINES AND IN ACCORDANCE WITH OSHA SAFETY REQUIREMENTS. (E) CONNECTIONS (ELECTRICAL, CONDENSATE, DUCTWORK) SHALL BE SALVAGED AS NECESSARY PRACTICAL IN PREPARATION FOR NEW AIR HANDLER INSTALLATION. ALL DEMOLISHED MATERIAL SHALL BE RECYCLED/SALVAGED TO THE MAXIMUM EXTENT PRACTICAL PER THE APPROVED ENVIRONMENTAL PROTECTION PLAN.

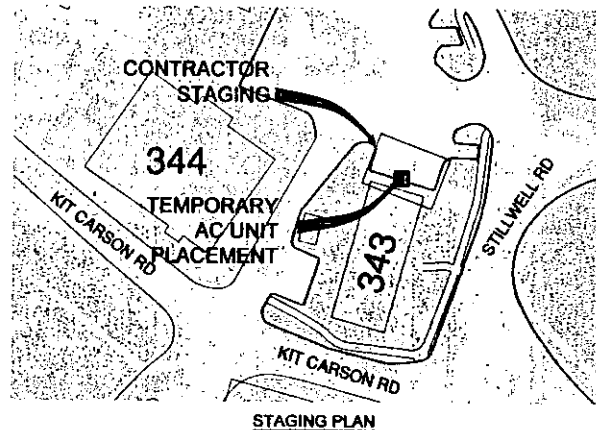
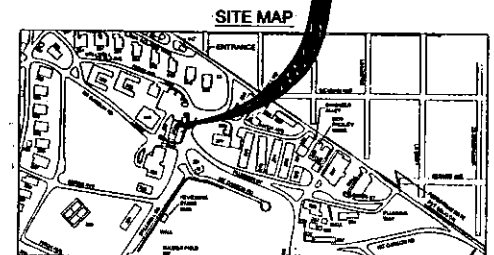
3. INSTALL NEW EXTERIOR DUCTWORK

- GENERAL DESIGN ARE ON SHEET M1.1, M3.2, AND M4.1. NEW DUCT SHALL BE INSTALLED IN ACCORDANCE WITH ACCA MANUAL D AND CONSTRUCTED, ERECTED, AND TESTED IN ACCORDANCE WITH SMACNA STANDARDS. A BAROMETRIC RELIEF DAMPER AND HOOD IS TO BE INSTALLED IN THE EXTERNAL RETURN DUCT. ALSO, A NEW POWER EXHAUST IS TO BE PLACED BEHIND DAMPER FOR EFFICIENT DEPRESSURIZATION OF BLDG 343. NEW SMOKE DAMPERS SHALL BE INSTALLED TO FIT THE NEW DUCTING. ALL EXTERIOR DUCTING SHALL HAVE R9 INTERNAL INSULATION. THE CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR THE EXTERIOR DUCTING. THE CONTRACTOR SHALL BLOCK OFF AND ISOLATE THE SUPPLY AND RETURN AIR PATHS UNTIL (N) AIR HANDLER AND SMOKE DAMPERS BECOME OPERATIONAL.
- PROVIDE MINIMUM REPAIR AND REARRANGEMENT OF INTERIOR DUCTING PER THE BASE BID
- ADDITIVE ALTERNATE BID ITEM 1 (SHOWN ON SHEETS M3.1 & M3.2) INVOLVES INSTALLING A NEW RIGID SECTION OF RETURN DUCTING THROUGH THE ATTIC AND NEW RETURN REGISTERS TO IMPROVE AIRFLOW
- ADDITIVE ALTERNATE BID ITEM 2 (SHOWN ON SHEETS M4.1 & M4.2) INVOLVES SWITCHING THE SUPPLY AND RETURN DUCTING, AND MAKING CHANGES TO THE FLEX DUCT TO IMPROVE AIRFLOW
- ADDITIVE ALTERNATE BID ITEM 3 INVOLVES INSTALLING A CHAIN LINK FENCE AND GATE WITH REDWOOD SLATS
- RESTORE AREAS AFFECTED BY CONSTRUCTION TO MATCH EXISTING OR BETTER
- PROVIDE CEILING TILES TO REPLACE BROKEN OR MISSING TILES THAT ARE IN OR AROUND THE IMMEDIATE WORK ZONE, AND TOUCHED THROUGH THIS PROJECT.

LOCATION MAP



PROJECT LOCATION



SHEET INDEX

SHEET NO	DRAWING NO	SHEET CONTENTS
1	T1.0	TITLE SHEET
2	M0.1	EQUIPMENT SCHEDULE & TEMPORARY COOLING PLAN
3	M1.0	DEMOLITION PLAN 1ST FLOOR
4	M1.1	NEW CONSTRUCTION 1ST FLOOR
5	M2.0	DEMOLITION PLAN REFLECTED CEILING
6	M2.1	BASE BID REFLECTED CEILING PLAN
7	M3.1	ADDITIVE-1 REFLECTED CEILING PLAN
8	M3.2	ADDITIVE-1 ATTIC PLAN
9	M4.1	ADDITIVE-2 NEW EXTERIOR DUCT WORK
10	M4.2	ADDITIVE-2 REFLECTED CEILING PLAN

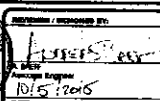
APPROVED FOR CONSTRUCTION:
SEE BELOW
CITY ENGINEER OR PRINCIPAL ENGINEER



Know what's below.
Call 811 before you dig.



CITY OF MONTEREY
PRESIDIO MUNICIPAL SERVICES AGENCY
580 PACIFIC ST., MONTEREY, CA 93940
PH: (831) 648-3921, WEBSITE: www.monterey.org



NO.	REVISIONS	DATE

APPROVED BY:	DATE:

PERFORM MECHANICAL REPAIRS AND UPGRADES TO HVAC SYSTEMS AND ASSOCIATED COMPONENTS: B343

TITLE SHEET
BLDG 343 PDR
DPW-14621A

SCALE:
DATE:
OWN DR.
T1.0



LEGEND

	SUPPLY GRILL		DAMPERS
	RETURN GRILL		SUPPLY DUCT UP
	FIRE PROTECTION DEVICE		RETURN DUCT UP
	INSULATION		RETURN DUCT DOWN
	WOOD		FLEX DUCTING
	CONCRETE		(N) DAMPER
	GRAVEL		(E) DAMPER
	GRASS		FENCING
	DEMOLISH		TURNING VENS
	BACNET FIELD CONTROLLER WITH I/O		POINT OF CONNECTION
	HUMIDSTAT		THERMOSTAT

ABBREVIATIONS

AC - AIR CONDITIONING	MAX - MAXIMUM
AHU - AIR HANDLING UNIT	ML - MILITARY SERVER
AT&T - AT&T SERVER	MFG - MANUFACTURER
AVE - AVENUE	MIN - MINIMUM
BATT - BATTERY	(N) - NEW
BLDG - BUILDING	NIC - NOT IN CONTRACT
BTU - BRITISH THERMAL UNIT	NO. - NUMBER
BTUH - BRITISH THERMAL UNIT PER HOUR	PH - PHONE SERVER
CFM - CUBIC FEET PER MINUTE	PWR - POWER
DX - DIRECT EXPANSION	R - RETURN
(E) - EXISTING	RD - ROAD
FEC - FIELD EQUIPMENT CONTROLLER	RLA - RATED LOAD AMPS
FLA - FULL LOAD AMPS	S - SUPPLY
H - HEIGHT	SPECS - SPECIFICATIONS
HP - HORSE POWER	ST - STREET
HVAC - HEATING VENTILATION AIR CONDITIONING	T - COVER SHEET
Hz - HERTZ	TYP - TYPICAL
KW - KILOWATTS	VAV - VARIABLE AIR VOLUME
L - LENGTH	VFD - VARIABLE FREQUENCY DRIVE
LB - POUNDS	W - WIDTH
M - MECHANICAL SHEET	WS - WORK SPACE

DIFFUSER SCHEDULE

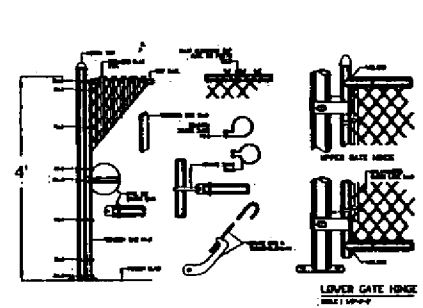
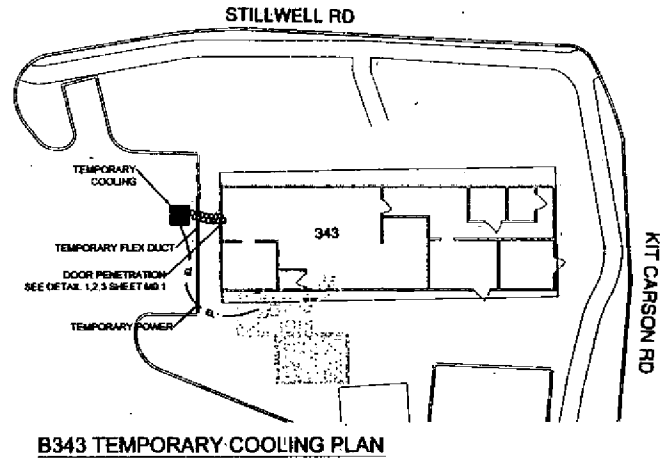
APPLICATION	INSTALLATION	MFG MODEL NO	OPTIONAL DAMPER	MFG	DISCHARGE PATTERNS	MATERIAL	DIMENSION
SUPPLY	INDOOR	300-FL	YES	TITUS	AS SHOWN	ALUMINUM	24"X24"
RETURN	INDOOR	300-FL	YES	TITUS	AS SHOWN	ALUMINUM	24"X24"

NOTE: ALL MATERIALS MAY BE SUBSTITUTED WITH AN EQUIVALENT PRODUCT.

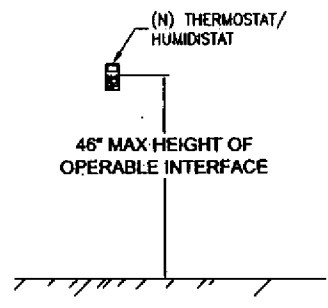
AIR HANDLING UNIT SCHEDULE

LABEL	INSTALLATION	MFG MODEL NO	MFG	COOLING CAPACITY	DIMENSIONS	BTUS	COIL COATING	CFM OUTPUT	REFRIGERANT	EER / EER RATING	SYSTEM #1	SYSTEM #2	COOLING PERFORMANCE				HEATING PERFORMANCE								
													TOTAL	FUSE	COMPRESSOR #1	COMPRESSOR #2	L/D RATIO	CONDENSER FAN #1	CONDENSER FAN #2	TOTAL CFM	PWR VENT	GAS HEAT	BTU INPUT	BTU OUTPUT	MIN BTU INPUT
(E) AHU-1	OUTDOOR	D4CQ120N185 Z5EC	YORK	10 TON	100"L x 40"H x 70"W	120,000			R-22	12.0 / 12.8	RLB 208/230V 3PH 60HZ	RLBS AMP 140V 50.5	16LBS CONTROL CIRCUIT 75 VA	80 A	208/230-3-80 17.2 RLA 125 LRA	208/230-3-80 17.2 RLA 125 LRA	2-HP 208/230-3-80 90.7.5 FLA	5 HP 208/230-3-80 2.3 FLA	5 HP 208/230-3-80 2.3 FLA	9400	PER MFG.	NA	NA	NA	NA
(M) AC1	OUTDOOR	EJ120C08Q2A Z27D124C	YORK	10 TON	89"L x 50.75"H x 59"W		ADSL OR APPROVED EQUAL	3400	R-410A	12.0 / 12.8	TLB 208/230V 3PH 60HZ	TLBS	14 LBS / 9.0KW	PER MFG			7.5 HP 208/230-3-80 6FLA 4700CFM	7.5 HP 208/230-3-80 6FLA 4700CFM	9400	PER MFG.	NA	NA	NA	NA	

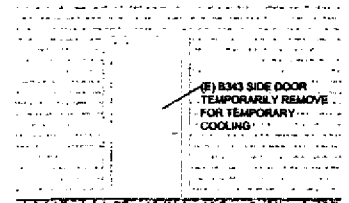
NOTE: ALL MATERIALS MAY BE SUBSTITUTED WITH AN EQUIVALENT PRODUCT.



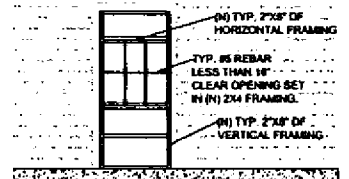
CHAIN LINK FENCE TYP DETAIL



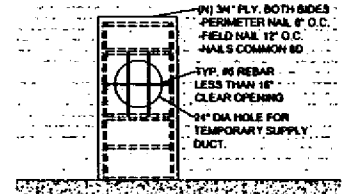
MOUNTING HEIGHT DETAIL
NOTE: ALL HARDWARE SHALL BE MOUNTED AND INSTALLED IN ACCORDANCE WITH ADA ACCESSIBILITY REGULATIONS



DETAIL 1: (E) B343 SIDE DOOR



DETAIL 2: (E) B343 FRAMING PLAN



DETAIL 3: (E) B343 PLYWOOD SIDING PLAN



CITY OF MONTEREY
PRESIDIO MUNICIPAL SERVICES AGENCY
 580 PACIFIC ST., MONTEREY, CA 93940
 PH: (831) 648-3921, WEBSITE: www.monterey.org

APPROVED FOR CONSTRUCTION
Robert M. King
 Project Engineer / Control Systems Manager
 12/16/2015

APPROVED / REVISIONS BY
James S. Taylor
 AIA Registered Architect
 12/16/2015



REVISIONS	DATE

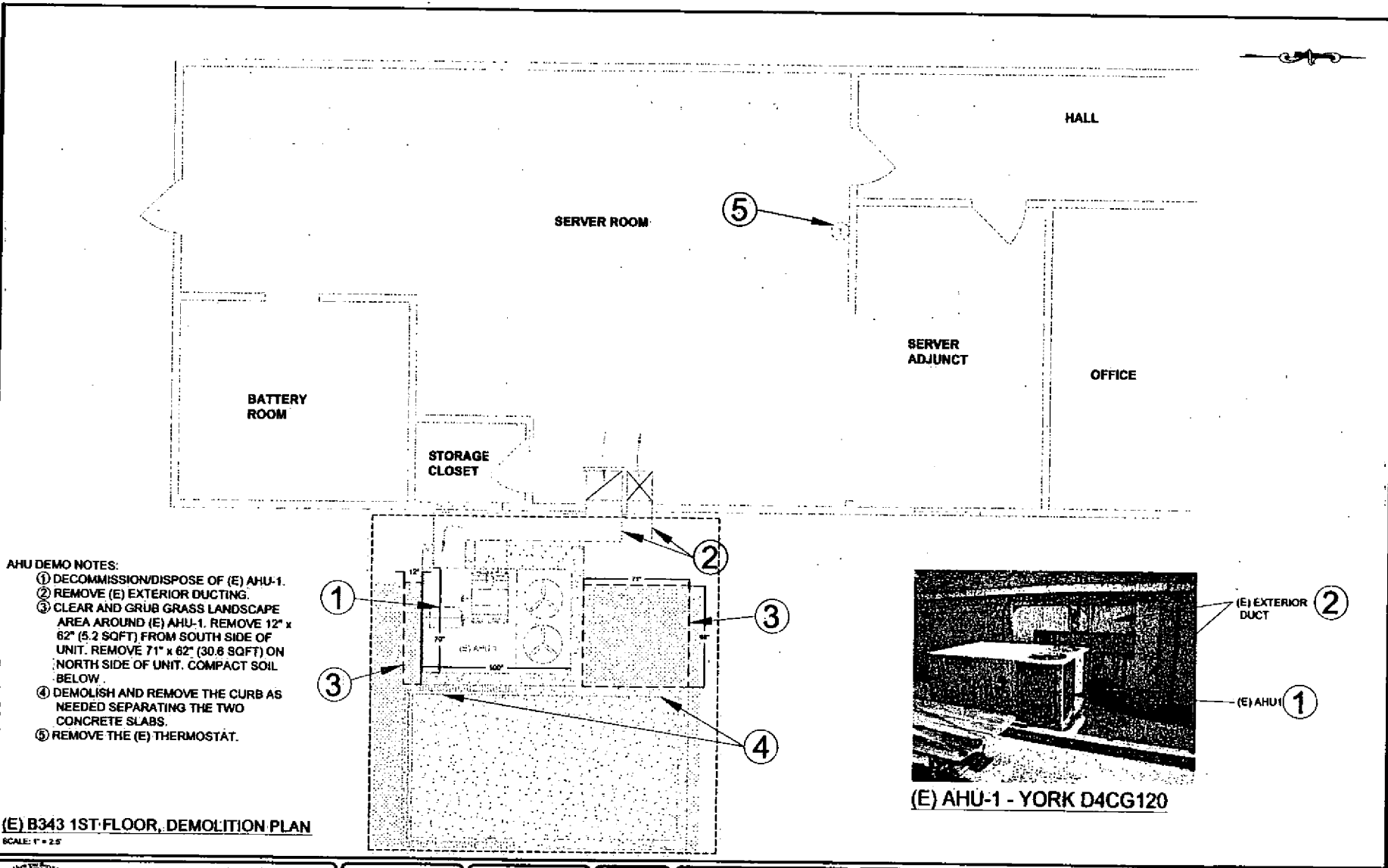
DESIGNED BY	CHECKED BY
BOB LAYNE	A. SHER
REVISIONS BY	DATE
BOB LAYNE	12/16/2015
DATE PLOTTED: 12/16/2015	

PERFORM MECHANICAL REPAIRS AND UPGRADES TO HVAC SYSTEMS AND ASSOCIATED COMPONENTS: B3437

EQUIPMENT SCHEDULES & TEMPORARY COOLING PLAN

BLDG 343 POM
 DPW-14021A

MO.1



CITY OF MONTEREY
PRESIDIO MUNICIPAL SERVICES AGENCY
 580 PACIFIC ST., MONTEREY, CA 93940
 PH: (831) 848-3921, WEBSITE: www.monterey.org

APPROVED FOR CONSTRUCTION:
Robert M. Hickey
 Permitting Director / Capital Projects Manager
mlshaw

DESIGNED / DRAWN BY:
James Bae
 Mechanical Engineer
DJLem5
 DATE:



REVISION	DATE

ISSUED BY	CHECKED BY
SCOTT LARSEN DESIGNED BY	A. BARR DATE
SCOTT LARSEN CHECKED BY	SCOTT LARSEN DATE
DATE	DATE
SCALE	SCALE
PROJECT NO.	PROJECT NO.

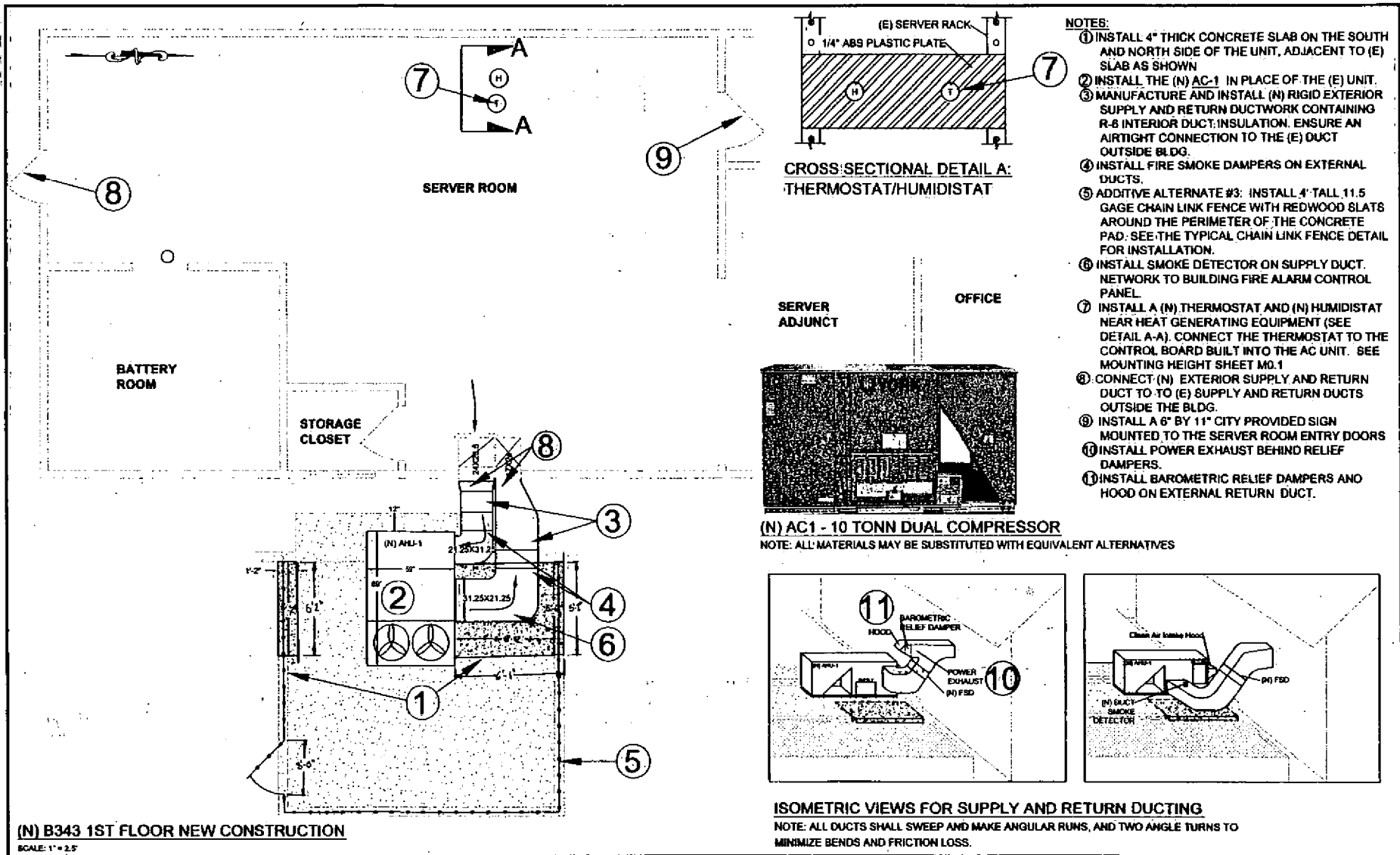
PERFORM MECHANICAL REPAIRS AND UPGRADES TO HVAC SYSTEMS AND ASSOCIATED COMPONENTS: 8343

1ST FLOOR DEMOLITION PLAN
 BLDG 343 POM
 DPM-14021A

NO.	DATE

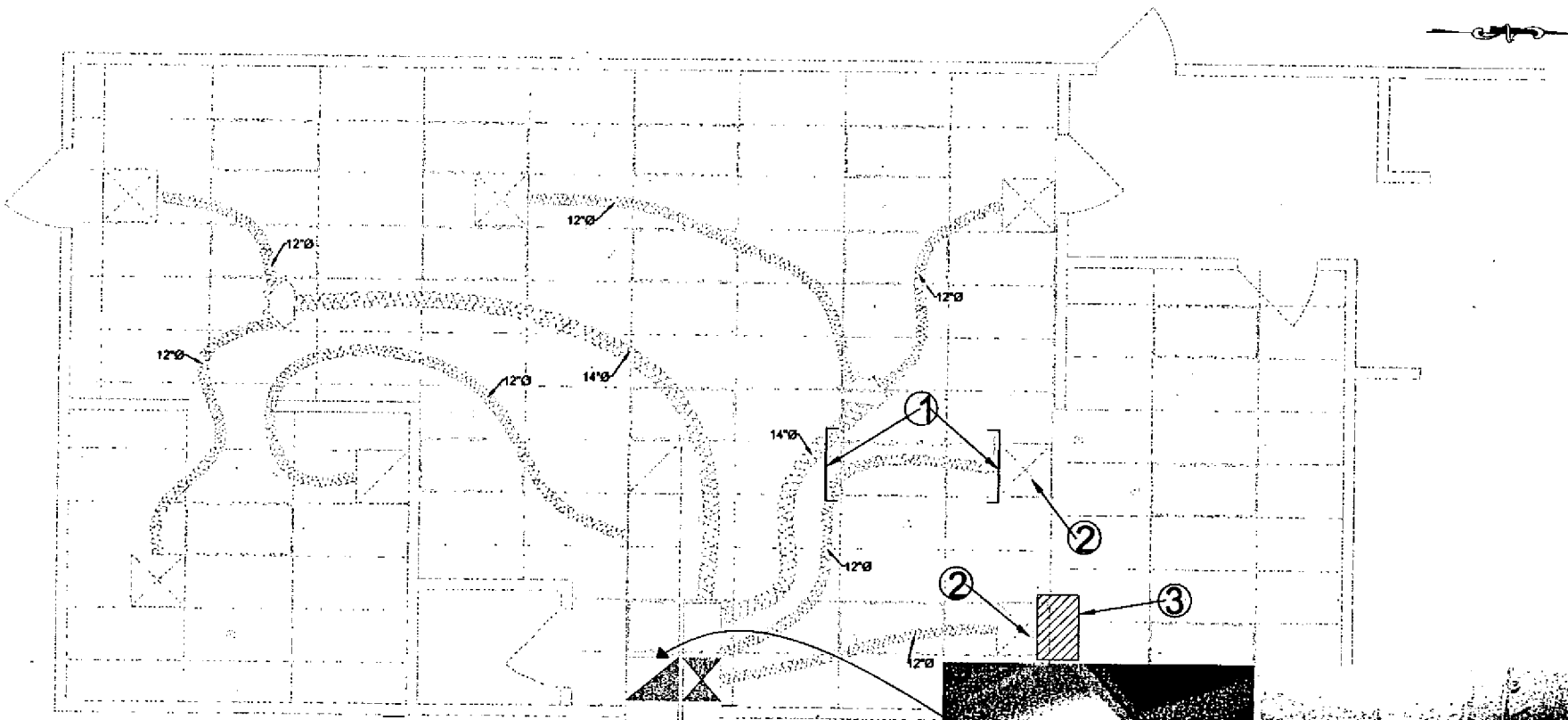
M1:0





<p>CITY OF MONTEREY PRESIDIO MUNICIPAL SERVICES AGENCY 580 PACIFIC ST., MONTEREY, CA 93940 PH: (831) 648-3921, WEBSITE: www.monterey.org</p>	<p>APPROVED FOR CONSTRUCTION:</p> <p><i>Mark G. Hanson</i> Mark G. Hanson Professional Engineer / Coastal Projects Manager 01/15/15</p>	<p>APPROVED / REVIEWED BY:</p> <p><i>August Dece</i> August Dece Assistant Engineer 10/21/15</p>		<table border="1"> <thead> <tr> <th>REVISION</th> <th>DATE</th> <th>APPROVED BY</th> <th>CHECKED BY</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	REVISION	DATE	APPROVED BY	CHECKED BY																	<p>PERFORM MECHANICAL REPAIRS AND UPGRADES TO HVAC SYSTEMS AND ASSOCIATED COMPONENTS: B343</p> <p>1ST FLOOR NEW CONSTRUCTION</p> <p>BL DQ 343 P04A DPW-14021A</p>	<p>SCALE:</p> <p>DATE:</p> <p>BY:</p> <p>M1.1</p>
	REVISION	DATE	APPROVED BY	CHECKED BY																						
<p>SCALE: 1" = 2'-0"</p>																										

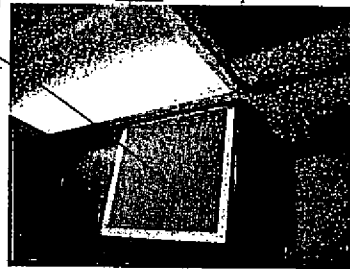




(E) B343 REFLECTED CEILING DEMOLITION PLAN
SCALE: 1" = 2'

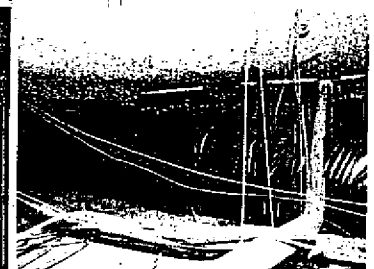
NOTES:

- ① REMOVE PORTION OF INTERIOR FLEX DUCT UNTIL IT IS SHORT ENOUGH TO FIT THE (N) DESIRED SUPPLY GRILL LOCATION.
- ② REMOVE SUPPLY GRILLS TO BE RELOCATED AT THE (N) DESIRED LOCATION (SHOWN ON SHEET M2.1, NOTE 1).
- ③ CUT A 12" DIA HOLE IN THE WALL ABOVE THE T-BAR CEILING TO ALLOW FOR THE NEW DUCT TO PASS THROUGH.



(E) RETURN REGISTER

NTS



(E) TYP. DUCT IN CEILING

NTS



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PRESIDIO MUNICIPAL SERVICES AGENCY
580 PACIFIC ST., MONTEREY, CA 93940
PH: (831) 646-3921, WEBSITE: www.monterey.org

APPROVED FOR CONSTRUCTION
Robert M. Hickey
Principal Engineer / Capital Projects Manager
DATE: 11/18/05

DESIGNED / REVISIONS BY
Andrea B. Brier
1. 11/18/05
Process Engineer
DATE: 11/18/05



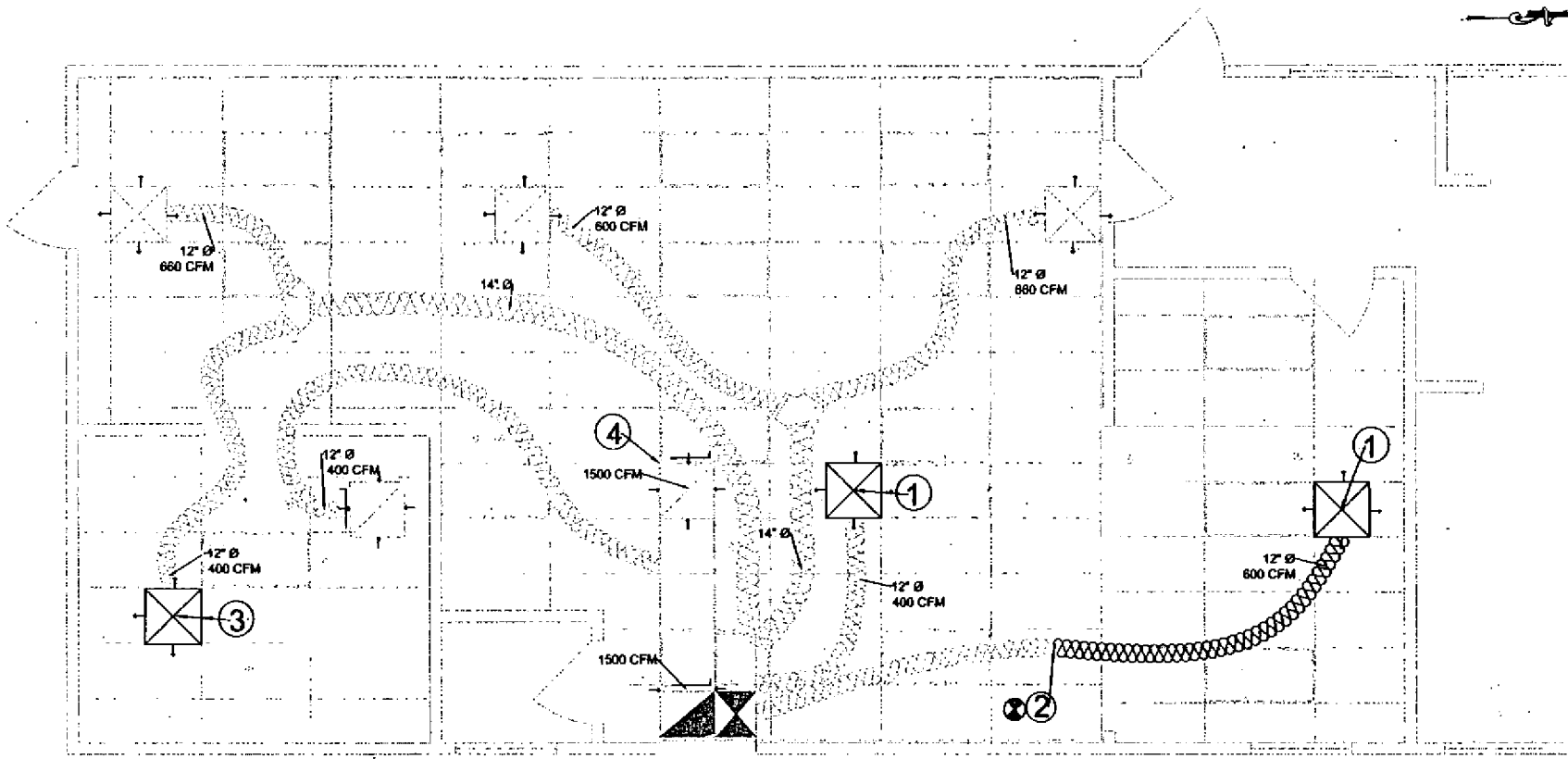
NO.	REVISIONS	DATE

PREPARED BY	CHECKED BY

PERFORM MECHANICAL REPAIRS AND UPGRADES TO HVAC SYSTEMS AND ASSOCIATED COMPONENTS: B343
DEMOLITION PLAN REFLECTED CEILING
BLDG 343 POM
:DPW-14021A

SCALE: 1" = 2'
SHEET NO.: M2.0
DATE: 11/18/05





(N) B343 REFLECTED CEILING NEW CONSTRUCTION PLAN

SCALE: 1" = 2'

NOTES:

- ALL NEW SUPPLY AND RETURN METAL GRILLS ARE 24" x 24" WITH ADJUSTABLE DAMPERS IN ACCORDANCE WITH SHEET M0.1 DIFFUSER SCHEDULE.
- ① RELOCATED SUPPLY GRILLS.
- ② SPLICE AN ADDITIONAL INTERIOR DUCT ONTO (E) DUCT. JOINT DUCT SHALL EXTEND TO (N) SUPPLY GRILL LOCATION.
- ③ REPLACE EXISTING SUPPLY DIFFUSER WITH DIFFUSER INDICATED IN SCHEDULE. BALANCE THE SYSTEM BY ADJUSTING EACH DAMPER TO THE AIRFLOW INDICATED.
- ④ REPLACE THE EXISTING RETURN DIFFUSER WITH DIFFUSER INDICATED IN SCHEDULE. BALANCE THE SYSTEM BY ADJUSTING EACH DAMPER TO THE AIRFLOW INDICATED.



CITY OF MONTEREY
PRESIDIO MUNICIPAL SERVICES AGENCY
 580 PACIFIC ST., MONTEREY, CA 93940
 PH: (831) 646-3821, WEBSITE: www.monterey.org

APPROVED FOR CONSTRUCTION
[Signature]
 Project Engineer / Construction Manager
 Date: 10/15/2008

APPROVED FOR BIDDING
[Signature]
 Associate Engineer
 Date: 10/15/08



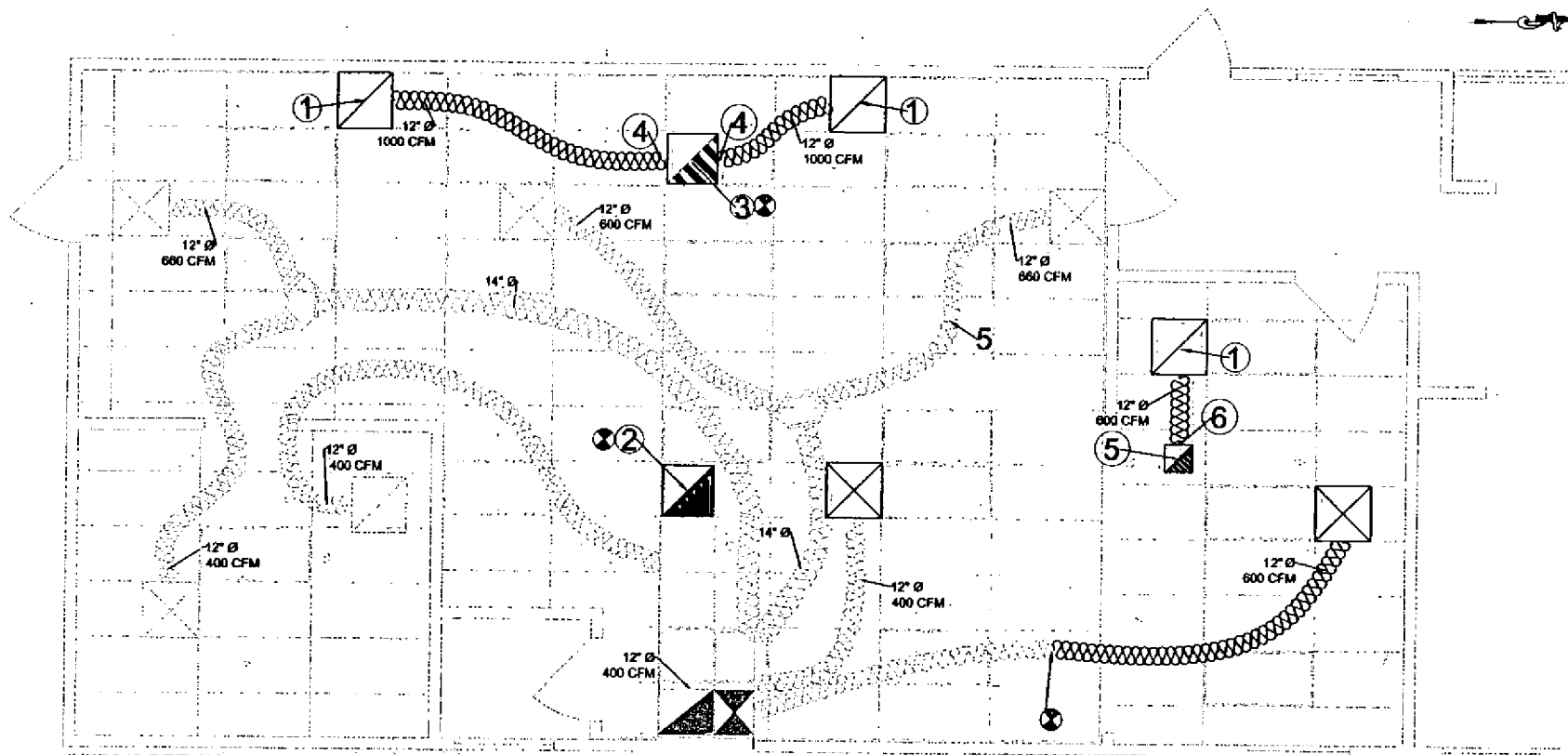
REVISION	DATE

REVISION NO.	DESCRIPTION

PERFORM MECHANICAL REPAIRS AND UPGRADES TO HVAC SYSTEMS AND ASSOCIATED COMPONENTS, B343
BASE BID REFLECTED CEILING PLAN
 BLDG 343 POM
 DFW-1402 EA

SCALE: 1" = 2'
 SHEET NO.: **M2.1**
 TOTAL SHEETS: 2





(N) B343 REFLECTED CEILING NEW CONSTRUCTION PLAN (ADDITIVE-1)

SCALE: 1" = 2'-0"

NOTES:

- ① INSTALL (N) 24" x 24" RETURN GRILLS.
- ② INSTALL (N) 22" x 22" RIGID DUCT FROM (E) RETURN DUCT AT ATTIC ENTRY POINT AND ELIMINATE THE (E) RETURN GRILL. DETAILS FOR RIGID DUCT INSIDE ATTIC ARE DESCRIBED ON SHEET M3.2.
- ③ (N) 22" x 22" EXIT POINT FOR RIGID DUCT TO RETURN FROM ATTIC INTO T-BAR CEILING; SEE SHEET M3.2.
- ④ BRANCH OFF TWO (N) 12" Ø FLEX DUCTS FROM THE RETURNING RIGID DUCT ON THE WEST SIDE OF THE BUILDING. CONNECT THOSE FLEX DUCTS TO THEIR CORRESPONDING RETURN GRILLS.
- ⑤ (N) 12" x 12" EXIT POINT FOR RIGID DUCT TO RETURN FROM ATTIC INTO T-BAR CEILING.
- ⑥ INSTALL (N) 12" Ø FLEX DUCT FROM THE (N) 12" x 12" RIGID DUCT, AND CONNECT IT TO ITS CORRESPONDING RETURN GRILL.
- ⑦ BALANCE THE SYSTEM BY ADJUSTING EACH DAMPER TO THE AIRFLOW IN CFM INDICATED. ALL RETURN GRILLS WILL BE REPLACED WITH DIFFUSERS INDICATED IN SCHEDULE.

(ADDITIVE-1)



CITY OF MONTEREY
PRESIDIO MUNICIPAL SERVICES AGENCY
 580 PACIFIC ST., MONTEREY, CA 93940
 PH: (831) 646-3921, WEBSITE: www.monterey.org

APPROVED FOR CONSTRUCTION
Robert M. ...
 Robert M. ...
 Robert M. ...

APPROVED FOR DESIGN BY
Andrew ...
 Andrew ...
 Andrew ...



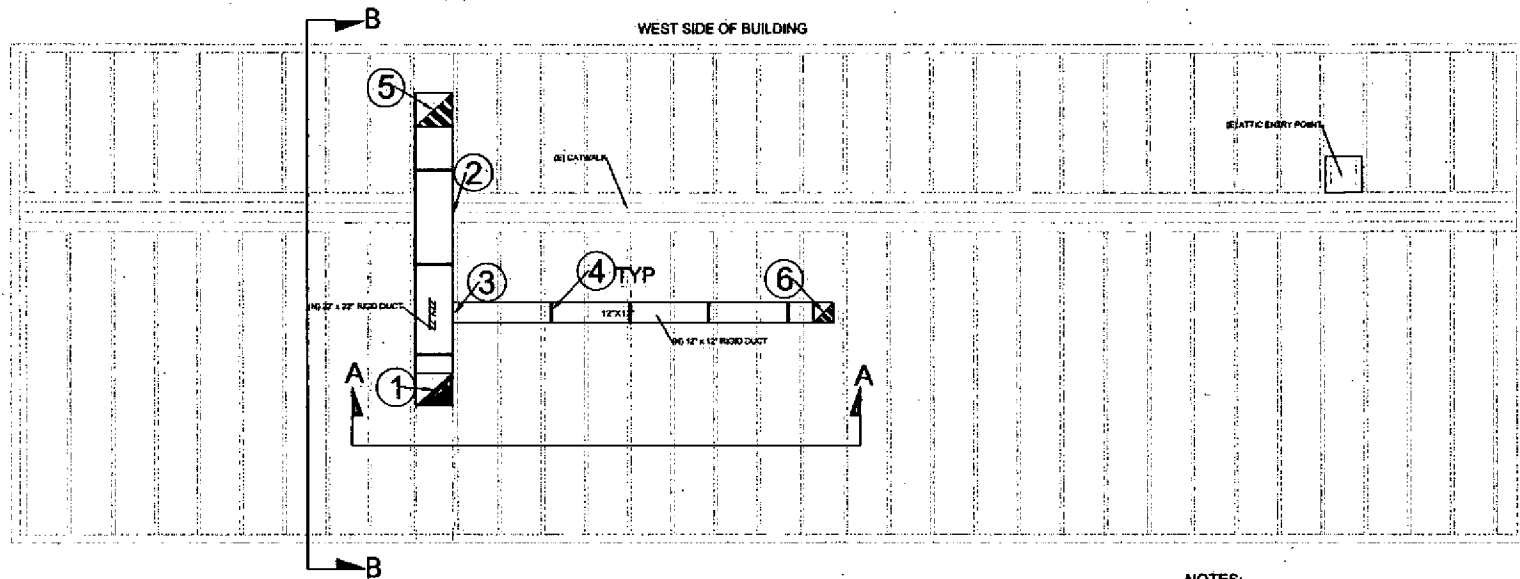
REVISION	DATE

DESIGNED BY	CHECKED BY

PERFORM MECHANICAL REPAIRS AND UPGRADES TO HVAC SYSTEMS AND ASSOCIATED COMPONENTS: B343
 ADDITIVE 1 REFLECTED CEILING PLAN
 BLDG 343 POM
 CPW-14221A

SCALE: 1" = 2'-0"
M3.1



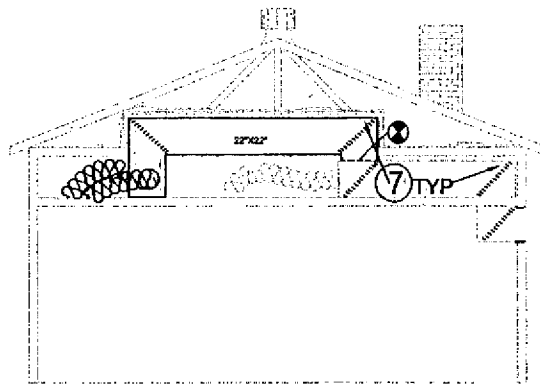


(N) B343 ATTIC NEW CONSTRUCTION PLAN (ADDITIVE-1)

SCALE: 1" = 3'

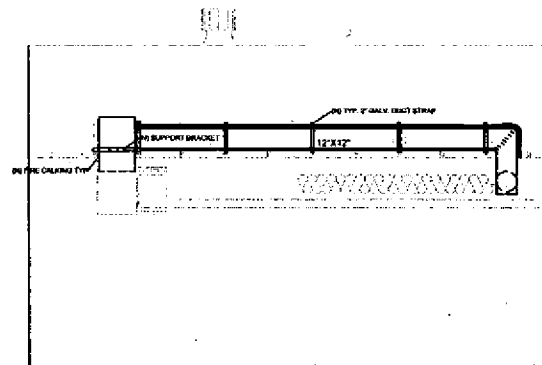
NOTES:

- ① INSTALL A 22" x 22" RIGID DUCT FROM T-BAR CEILING INTO ATTIC. SECTIONAL VIEWS PORTRAY (N) RIGID DUCT PROTRUDING FROM CEILING TO ATTIC. BLOWN IN ATTIC INSULATION SHALL BURY THE BOTTOM OF THE DUCT. USE R13 BATT INSULATION TO COVER THE TOP.
- ② CUT A 24" OPENING THROUGH THE CATWALK IN ORDER TO ALLOW ACCESS FOR THE 22" x 22" DUCT.
- ③ A 12" x 12" HARD DUCT SHALL BRANCH OFF OF THE LARGER DUCT. THE SMALLER DUCT WILL LAY ON TOP OF THE TIE BEAMS. R13 BATT INSULATION SHALL BE WRAPPED AROUND THE ENTIRE DUCT.
- ④ STRAP (N) RIGID DUCTS ONTO ATTIC JOISTS MIN 5' O.C. USING 22 GA 2" WIDE STEEL STRAP.
- ⑤ RETURN (N) 22" x 22" RIGID DUCT FROM THE ATTIC TO THE T-BAR CEILING.
- ⑥ RETURN (N) 12" x 12" RIGID DUCT FROM THE ATTIC TO THE T-BAR CEILING.
- ⑦ INSTALL TURNING VANES INSIDE RIGID DUCT AS SHOWN.



CROSS SECTIONAL DETAIL B: (N) B343 RETURN DUCT

SCALE: 1" = 3'



CROSS SECTIONAL DETAIL A: (N) B343 DUCT INSULATION

SCALE: 1" = 3'

(ADDITIVE-1)



CITY OF MONTEREY
PRESIDIO MUNICIPAL SERVICES AGENCY

580 PACIFIC ST., MONTEREY, CA 93940
PH: (831) 646-3921, WEBSITE: www.monterey.org

APPROVED FOR CONSTRUCTION
Robert Murray
Principal Engineer / Capital Projects Manager
DATE: 10/15/2005

DESIGNED / DRAWN BY
Andrew Bue
PROJECT ENGINEER
DATE: 10/15/2005



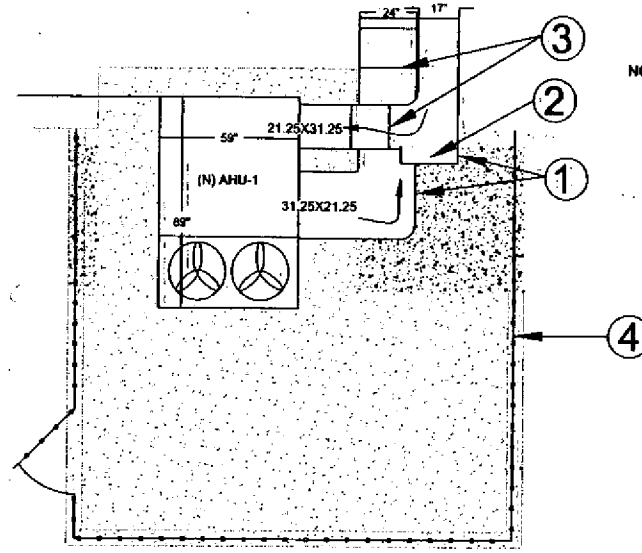
NO.	DESCRIPTION	DATE	DESIGNED BY	CHECKED BY
1				
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8				
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PERFORM MECHANICAL REPAIRS AND UPGRADES TO HVAC SYSTEMS AND ASSOCIATED COMPONENTS: B343

ADDITIVE 1 ATTIC PLAN
BLDG M3 POL
CPN-14021A

SCALE: 1" = 3'
SHEET NO.: M3.2
DATE: 10/15/2005

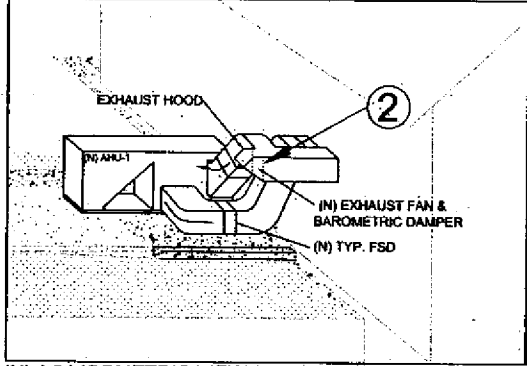




- NOTES:
- ① REVERSE THE SUPPLY AND RETURN DUCT CONNECTIONS BY TYING THE (N) SUPPLY DUCT INTO THE (E) RETURN DUCT AND THE (N) RETURN DUCT INTO THE (E) SUPPLY DUCT. ALL (N) RIGID EXTERIOR SUPPLY AND RETURN DUCTWORK SHALL BE CONSTRUCTED WITH R-8 INTERIOR DUCT INSULATION.
 - ② INSTALL (N) BAROMETRIC RELIEF DAMPER, POWER EXHAUST, AND HOOD ON EXTERNAL RETURN DUCT.
 - ③ INSTALL (N) FIRE SMOKE DAMPERS ON EXTERNAL DUCTS
 - ④ ADDITIVE ALTERNATE #3: INSTALL 4' TALL 11.5 GAGE CHAIN LINK FENCE WITH REDWOOD SLATS AROUND THE PERIMETER OF THE CONCRETE PAD. SEE THE TYPICAL CHAIN LINK FENCE DETAIL FOR INSTALLATION.

(N) AC1 PLAN VIEW (ADDITIVE 2)

SCALE: 1" = 2'



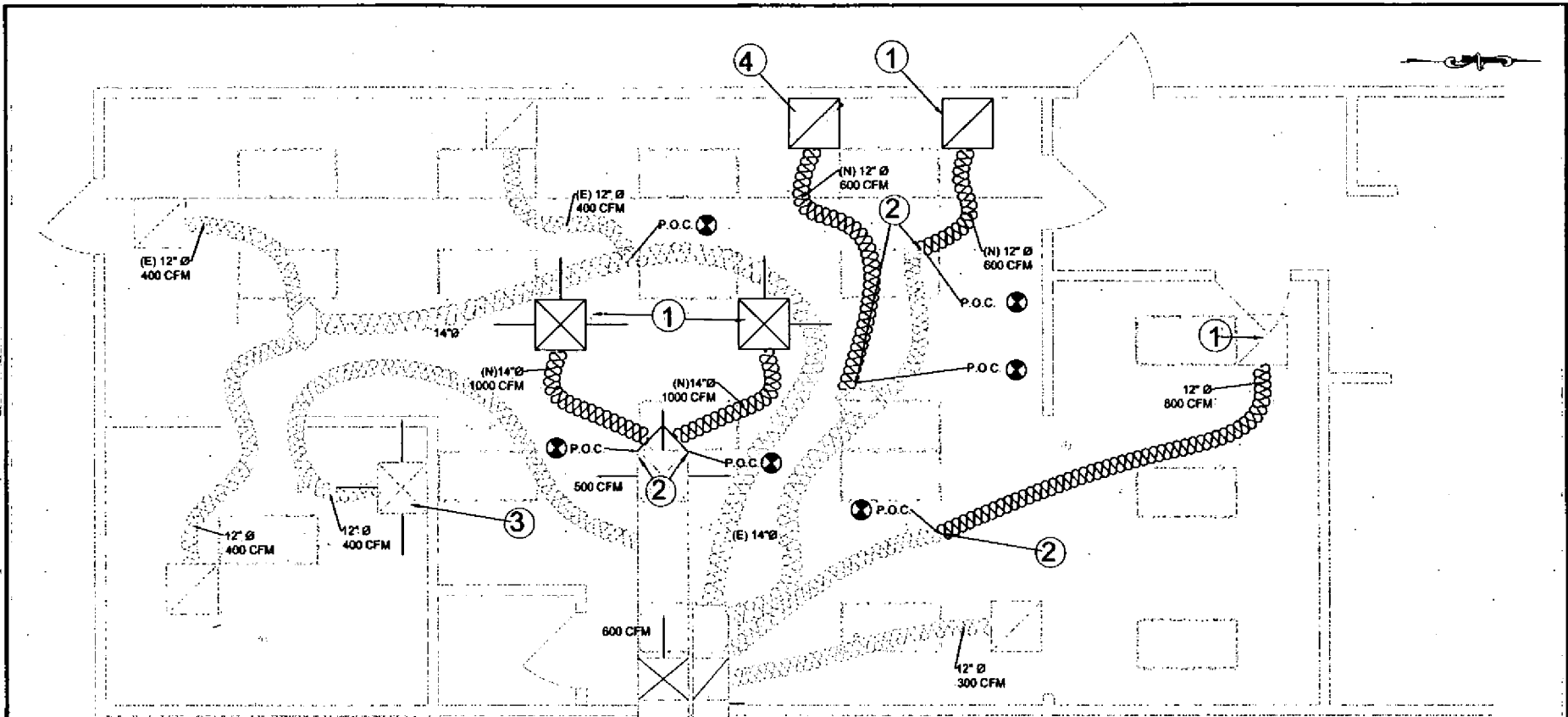
(N) AC1 ISOMETRIC VIEW (ADDITIVE 2)

SCALE: NO SCALE

(ADDITIVE-2)

 <p>CITY OF MONTEREY PRESIDIO MUNICIPAL SERVICES AGENCY 580 PACIFIC ST., MONTEREY, CA 93940 PH: (831) 648-3921; WEBSITE: www.monterey.org</p>	<p>DESIGNED FOR CONSTRUCTION</p> <p><i>Robert M. Henry</i> Robert M. Henry Principal Engineer / Capital Projects Manager 10/16/2015</p>	<p>APPROVED / INCHARGE BY:</p> <p><i>Andrew B. Pice</i> Andrew B. Pice Associate Engineer 10/15/2015</p>		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>NO.</th> <th>REVISION</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	NO.	REVISION	DATE										<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>PREPARED BY:</th> <th>CHECKED BY:</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	PREPARED BY:	CHECKED BY:															<p>PERFORM MECHANICAL REPAIRS AND UPGRADES TO HVAC SYSTEMS AND ASSOCIATED COMPONENTS 5343</p> <p>ADDITIVE 2 NEW EXTERIOR DUCTING</p> <p>BLDG 543 POMA DPW-14021A</p>	<p>SCALE:</p> <p> </p> <p> </p> <p>M4.1</p>
NO.	REVISION	DATE																																	
PREPARED BY:	CHECKED BY:																																		





(N) B343 REFLECTED CEILING NEW CONSTRUCTION PLAN (ADDITIVE-2)

SCALE: 1" = 2'

NOTES:

WITH MODIFICATIONS TO (N) AC-1 EXTERIOR DUCTING, THE SUPPLY REGISTERS BECOME RETURNS, THE RETURN REGISTERS BECOME SUPPLY.

① RELOCATE (E) RETURN GRILLS.

② SPLICE ON (N) FLEX DUCT TO (E) FLEX DUCT AND ATTACH IT TO THE RELOCATED RETURN GRILL.

③ BALANCE THE SYSTEM BY INSTALLING DAMPERS ON THE SUPPLY GRILLS, AND ADJUSTING EACH (N) DAMPER AND (E) RETURN DIFFUSERS TO THE AIRFLOW IN CFM INDICATED.

④ INSTALL NEW RETURN GRILL.

(ADDITIVE-2)



CITY OF MONTEREY
PRESIDIO MUNICIPAL SERVICES AGENCY
 580 PACIFIC ST., MONTEREY, CA 93940
 PH: (831) 648-3921, WEBSITE: www.monterey.org

APPROVED FOR SUBMITTAL
Robert M. Hanson
 Robert M. Hanson
 Principal Engineer / Capital Projects Manager
 12/15/2015

DESIGNED / ENGINEERED BY
Angela R. M. P. P.
 Angela R. M. P. P.
 Architectural Engineer
 12/15/2015



NO.	REVISIONS	DATE

Submittal No. _____
 Date/Title No. _____
 PROJECT NO. _____
 DRAWING NO. _____
 SCALE: AS SHOWN
 SHEET NO. _____
 TOTAL SHEETS _____

PERFORM MECHANICAL REPAIRS AND UPGRADES TO HVAC SYSTEMS AND ASSOCIATED COMPONENTS: B343

MECHANICAL PLAN
 BLDG 343 POM
 DFW-14021A

SCALE: 1" = 2'
 SHEET NO. _____
M4.2
 12/15/2015





CITY OF MONTEREY
DEPARTMENT OF PLANS AND PUBLIC WORKS

APPENDIX A

BID PROPOSAL COVER SHEET

FOR

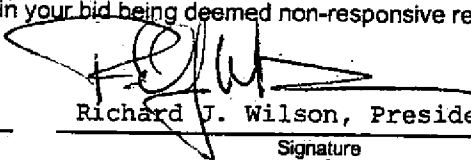
PERFORM MECHANICAL REPAIRS AND UPGRADES TO HVAC SYSTEMS AND ASSOCIATED COMPONENTS: B343 PROJECT (DPW-14021E)

Submit the following items unbound:

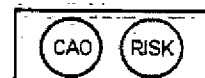
<u>ITEM</u>	<u>INCLUDED</u>
1. Bid Proposal Cover Sheet (this sheet)	<u>X</u>
2. Proposal and Bid Schedule	<u>X</u>
3. Declaration of Bidder	<u>X</u>
4. Noncollusion Affidavit	<u>X</u>
5. Debarment and Suspension Certification	<u>X</u>
6. Bid Bond	<u>X</u>

Failure to include items identified above may result in your bid being deemed non-responsive resulting in rejection of your bid.

By: Geo. H. Wilson, Inc.
Company Name


Richard J. Wilson, President
Signature

PERFORM MECHANICAL REPAIRS AND UPGRADES TO HVAC SYSTEMS AND ASSOCIATED COMPONENTS: B343 PROJECT (DPW-14021E)



BID PROPOSAL FORMS**PART II - PROPOSAL**

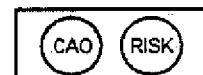
To the Honorable City Council
 City of Monterey
 City Hall
 Monterey, California

The undersigned declares to have carefully examined the location of the proposed work, that the Plans and Specifications as set forth herein have been examined, and hereby proposes to furnish all materials and equipment and do all the work required to complete the said work in accordance with said Plans and Specifications for the lump sums and unit prices set forth in the following schedule:

BID SCHEDULE

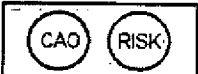
Item No.	Description	Approx. Quantity	Unit	Unit Price	Amount
Base Bid					
1	Mobilization and Demobilization	1	LS	\$ 1,500	\$ 1,500
2	Environmental Compliance	1	LS	\$ 1,000	\$ 1,000
3	Hazardous Material Abatement	1	LS	\$ 1,500	\$ 1,500
4	Install Temporary Cooling Equipment	1	LS	\$ 5,400	\$ 5,400
5	Remove and Recycle (E) AHU-1	1	LS	\$ 2,000	\$ 2,000
6	Expand the (E) Concrete Equipment Pad	1	LS	\$ 5,100	\$ 5,100
7	Install (N) AC-1	1	LS	\$ 6,000	\$ 6,000
8	Manufacture and Install (N) Exterior Ducting	1	LS	\$ 5,100	\$ 5,100
9	Replace, Relocate, and Install Interior Supply Ductwork and Diffusers	1	LS	\$10,300	\$10,300
10	Balance Supply/Return Dampers	1	LS	\$ 1,200	\$ 1,200
11	Record Drawings	1	LS	\$ 1,000	\$ 1,000
TOTAL BASE BID ITEMS (1-11)					(In Numbers):
(In Words): <u>Forty Thousand One Hundred and 00/100 -----</u>					\$40,100.00
Additive Alternate #1					
12	Connect and Install Rigid Return Duct in Attic	1	LS	\$19,200	\$19,200

PERFORM MECHANICAL REPAIRS AND UPGRADES TO HVAC SYSTEMS
 AND ASSOCIATED COMPONENTS: B343 PROJECT (DPW-14021E)



13	Connect, Adjust, and Install Return Flex Ductwork and Diffusers	1	LS	\$ 2,000	\$ 2,000
ADDITIVE ALTERNATE #1 BID ITEMS (12-13) :					(In Numbers):
(In Words): <u>Twenty One Thousand Two Hundred and 00/100 -----</u>					\$ 21,200
Additive Alternate #2					
14	Reverse Supply and Return Ducting and Modify Interior Duct Work	1	LS	\$ 3,400	\$ 3,400
ADDITIVE ALTERNATE #2 BID ITEMS (14) :					(In Numbers):
(In Words): <u>Three Thousand Four Hundred and 00/100 -----</u>					\$ 3,400
Additive Alternate #3					
15	Install Fence with Redwood Inserts	1	LS	\$ 4,000	\$ 4,000
ADDITIVE ALTERNATE #3 BID ITEMS (12-13) :					(In Numbers):
(In Words): <u>Four Thousand and 00/100 -----</u>					\$ 4,000
TOTAL BASE BID PLUS ADDITIVE BID ITEMS (1-15) :					(In Numbers):
(In Words): <u>Sixty Eight Thousand Seven Hundred and 00/100 -----</u>					\$ 68,700

Award of contract, if any be made, shall be made to the Contractor with the lowest responsive responsible Total Base Bid plus Additive Bid Items (1-15).



DECLARATION OF BIDDER RE: LICENSE QUALIFICATIONS

Bidder certifies he/she possesses a license in accordance with a State Act providing for the registration of Contractors.
 License No. 129655 Class: C-4, C16, C20, C34, C36, C42, C43, C60, C61/D44 Expiration date: 03/31/17

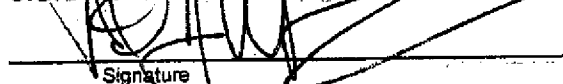
THE FOREGOING INFORMATION IS TRUE AND CORRECT AND IS EXECUTED UNDER PENALTY OR PERJURY IN

Santa Cruz _____ COUNTY, CALIFORNIA, ON November 3 _____, 2015

Name of Firm: Geo. H. Wilson, Inc.
 Address: 250 Harvey West Blvd., Santa Cruz, CA 95060
 Telephone: (831) 423-9522
 Email: blue@geohwilson.com; alestrella@geohwilson.com

(If firm is an individual, so state. If a firm or co-partnership, state the firm name and give the names of person authorized to execute the declaration on its behalf.)

FAILURE TO PROVIDE ANY OF THE INFORMATION REQUIRED HEREIN INCLUDING CONTRACTOR SIGNATURES MAY RESULT IN YOUR BID BEING DEEMED NON-RESPONSIVE



 Signature

Richard J. Wilson, President

 Printed Name and Title

The Bidder shall list below any and all addenda issued for this project. Failure to list issued addenda will result in a non-responsive bid:

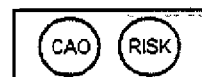
ADDENDA	DATE RECEIVED
1. <u>Addendum #1</u>	<u>10/23/15</u>
2. <u>Addendum #2</u>	<u>10/27/15</u>
3. <u>Addendum #3</u>	<u>11/03/15</u>
4. _____	_____

The Bidder shall list below jobs of a similar nature completed by Bidder's organization within the past three (3) years:

GHW Job#	Date Completed	Dollar Amount	Agency Name	Type Of Job	Project Location
#2155	12/30/13	\$121,700.00	Twin Lakes Church	HVAC Improvements	Aptos, CA
#2193	03/05/15	\$353,624.00	Santa Cruz County	Plumbing and HVAC T.I.	Santa Cruz, CA
#2219	02/26/15	\$198,427.00	UCSC	Plumbing and HVAC for Clean Room Lab	Santa Cruz, CA

The Bidder shall list below the name, the location of the place of business, and the California contractor license number of any subcontractors proposed to perform work or labor or render service on this project, or a subcontractor licensed by the State of California who will specially fabricate and install a portion of the work or improvement according to detailed The

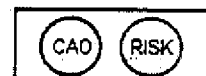
PERFORM MECHANICAL REPAIRS AND UPGRADES TO HVAC SYSTEMS AND ASSOCIATED COMPONENTS: B343 PROJECT (DPW-14021E)



Bidder shall list below the name, the location of the place of business, and the California contractor license number of any subcontractors proposed to perform work or labor or render service on this project, or a subcontractor licensed by the State of California who will specially fabricate and install a portion of the work or improvement according to detailed drawings contained in the plans and specifications of this project, whose work is in excess of one-half of 1 percent of the Bidder's total bid or, in the case of bids or offers for the construction of streets or highways, including bridges, in excess of one-half of 1 percent of the Bidder's total bid or ten thousand dollars (\$10,000), whichever is greater:

1	DBE (Y/N)	License No.	Subcontractor Name	Subcontractor Place of Business
	Y	708453	Alpha Air Balancing Agency, Inc.	24739 Camino Del Monte Carmel, CA 93921.
	Item No.	Amount (\$) or % of Bid Item	Trade/Description of Work	
	#10	\$1,050.00	Air Balance	
2	DBE (Y/N)	License No.	Subcontractor Name	Subcontractor Place of Business
	N	563143	Abacherli Fence Co.	3125 Porter Street Soquel, CA 95073
	Item No.	Amount (\$) or % of Bid Item	Trade/Description of Work	
	#15	\$2,860.00	Fencing	
3	DBE (Y/N)	License No.	Subcontractor Name	Subcontractor Place of Business
	Item No.	Amount (\$) or % of Bid Item	Trade/Description of Work	
4	DBE (Y/N)	License No.	Subcontractor Name	Subcontractor Place of Business
	Item No.	Amount (\$) or % of Bid Item	Trade/Description of Work	
5	DBE (Y/N)	License No.	Subcontractor Name	Subcontractor Place of Business
	Item No.	Amount (\$) or % of Bid Item	Trade/Description of Work	
6	DBE (Y/N)	License No.	Subcontractor Name	Subcontractor Place of Business
	Item No.	Amount (\$) or % of Bid Item	Trade/Description of Work	
7	DBE (Y/N)	License No.	Subcontractor Name	Subcontractor Place of Business
	Item No.	Amount (\$) or % of Bid Item	Trade/Description of Work	

PERFORM MECHANICAL REPAIRS AND UPGRADES TO HVAC SYSTEMS AND ASSOCIATED COMPONENTS: B343 PROJECT (DPW-14021E)



BID BOND

TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA
Hartford, Connecticut 06183

Bond No.:

KNOW ALL MEN BY THESE PRESENTS,

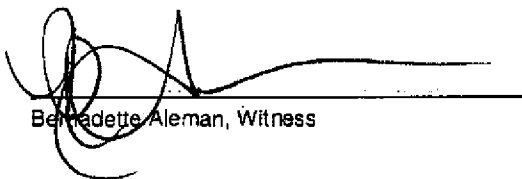
That we, GEO. H. WILSON, INC., as Principal, hereinafter called the Principal, and TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA, of Hartford, Connecticut, a corporation duly organized under the laws of the State of Connecticut, as Surety, hereinafter called the Surety, are held and firmly bound unto CITY OF MONTEREY, as Obligee, hereinafter called the Obligee, in the sum of Ten percent of amount bid. **Dollars** (\$ 10% of Amount Bid), for the payment of which sum well and truly to be made, the said Principal and the said Surety, bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the Principal has submitted a bid for Perform Mechanical repairs & upgrades to HVAC systems and associated components B343 @ the Presidio

NOW, THEREFORE, if the Obligee shall accept the bid of the Principal and the Principal shall enter into a Contract with the Obligee in accordance with the terms of such bid, and give such bond or bonds as may be specified in the bidding or Contract Documents with good and sufficient surety for the faithful performance of such, or in the event of the failure of the Principal to enter such Contract and give such bond or bonds, if the Principal shall pay to the Obligee the difference not to exceed the penalty hereof between the amount specified in said bid and such larger amount for which the Obligee may in good faith contract with another party to perform the Work covered by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect.

Signed and sealed this 23rd day of October, 2015

(Witness)


Bernadette Aleman, Witness

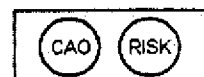
GEO. H. WILSON, INC.

(Principal) (Seal)

(Name & Title)
Richard J Wilson, President

TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA

By 
Tracy Aston, Attorney-in-Fact



CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

A Notary Public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California

County of Los Angeles

OCT 23 2015

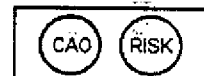
On _____ before me, Kelly Rowley, Notary Public, personally appeared Tracy Aston who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/~~are~~ subscribed to the within instrument and acknowledged to me that ~~he~~/~~she~~/~~they~~ executed the same in ~~his~~/~~her~~/~~their~~ authorized capacity(ies), and that by ~~his~~/~~her~~/~~their~~ signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature Kelly Rowley
Kelly Rowley, Signature of Notary Public





POWER OF ATTORNEY

Farmington Casualty Company
Fidelity and Guaranty Insurance Company
Fidelity and Guaranty Insurance Underwriters, Inc.
St. Paul Fire and Marine Insurance Company
St. Paul Guardian Insurance Company

St. Paul Mercury Insurance Company
Travelers Casualty and Surety Company
Travelers Casualty and Surety Company of America
United States Fidelity and Guaranty Company

Attorney-In Fact No. 229300

Certificate No. 006445728

KNOW ALL MEN BY THESE PRESENTS: That Farmington Casualty Company, St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company are corporations duly organized under the laws of the State of Connecticut, that Fidelity and Guaranty Insurance Company is a corporation duly organized under the laws of the State of Iowa, and that Fidelity and Guaranty Insurance Underwriters, Inc., is a corporation duly organized under the laws of the State of Wisconsin (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint

Tracy Aston, Kristine Mendez, KD Conrad, Simone Gerhard, Edward C. Spector, Paul Rodriguez, Lisa K. Crail, B. Aleman, Daravy Mady, James Ross, Misty Wright, Nathan Varnold, and Renato F. Reyes

of the City of Los Angeles, State of California, their true and lawful Attorney(s)-in-Fact, each in their separate capacity if more than one is named above, to sign, execute, seal and acknowledge any and all bonds, recognizances, conditional undertakings and other writings obligatory in the nature thereof on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed and their corporate seals to be hereto affixed, this 28th day of August 2015

Farmington Casualty Company
Fidelity and Guaranty Insurance Company
Fidelity and Guaranty Insurance Underwriters, Inc.
St. Paul Fire and Marine Insurance Company
St. Paul Guardian Insurance Company

St. Paul Mercury Insurance Company
Travelers Casualty and Surety Company
Travelers Casualty and Surety Company of America
United States Fidelity and Guaranty Company



State of Connecticut
City of Hartford ss.

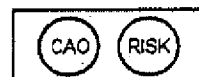
By: [Signature]
Robert L. Rukey, Senior Vice President

On this the 28th day of August 2015, before me personally appeared Robert L. Rukey, who acknowledged himself to be the Senior Vice President of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company, and that he, as such, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

In Witness Whereof, I hereunto set my hand and official seal.
My Commission expires the 30th day of June, 2016.



[Signature]
Marie C. Tetreault, Notary Public



This Power of Attorney is granted under and by the authority of the following resolutions adopted by the Boards of Directors of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company, which resolutions are now in full force and effect, reading as follows:

RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President, any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary may appoint Attorneys-in-Fact and Agents to act for and on behalf of the Company and may give such appointee such authority as his or her certificate of authority may prescribe to sign with the Company's name and seal with the Company's seal bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking, and any of said officers or the Board of Directors at any time may remove any such appointee and revoke the power given him or her, and it is

FURTHER RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President may delegate all or any part of the foregoing authority to one or more officers or employees of this Company, provided that each such delegation is in writing and a copy thereof is filed in the office of the Secretary; and it is

FURTHER RESOLVED, that any bond, recognizance, contract of indemnity, or writing obligatory in the nature of a bond, recognizance, or conditional undertaking shall be valid and binding upon the Company when (a) signed by the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President; any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary and duly attested and sealed with the Company's seal by a Secretary or Assistant Secretary; or (b) duly executed (under seal, if required) by one or more Attorneys-in-Fact and Agents pursuant to the power prescribed in his or her certificate or their certificates of authority or by one or more Company officers pursuant to a written delegation of authority; and it is

FURTHER RESOLVED, that the signature of each of the following officers: President, any Executive Vice President, any Senior Vice President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary, and the seal of the Company may be affixed by facsimile to any Power of Attorney or to any certificate relating thereto appointing Resident Vice Presidents, Resident Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such Power of Attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding on the Company in the future with respect to any bond or understanding to which it is attached.

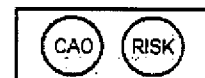
I, Kevin E. Hughes, the undersigned, Assistant Secretary, of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this day of **OCT 23 2015**, 20


Kevin E. Hughes, Assistant Secretary



To verify the authenticity of this Power of Attorney, call 1-800-421-3880 or contact us at www.travelersbond.com. Please refer to the Attorney-In-Fact number, the above-named individuals and the details of the bond to which the power is attached.



RECEIVED

NOV 16 2015

Performance Bond

Geo. H. Wilson, Inc.

BOND NO. 106344778
PREMIUM: \$589.00

WHEREAS, The City of Monterey, (hereinafter designated as "Obligee") and Geo. H. Wilson, Inc. (hereinafter designated as "Principal") have entered into an agreement whereby principal agrees to install and complete certain designated public improvements, which said agreement, dated _____, and identified as project Perform Mechanical repairs and upgrades to HVAC systems and associated components: B343 Project (DPW-14021E) is hereby referred to and made a part hereof; and

WHEREAS, Said principal is required under the terms of said agreement to furnish a bond for the faithful performance of said agreement;

NOW, THEREFORE, We, the principal and Travelers Casualty and Surety Company of America as surety, are held and firmly bound unto the hereinafter called "The Obligee," in the penal sum of Forty Three Thousand Five Hundred and 00/100 dollars (\$ 43,500.00) lawful money of the United States for the payment of which sum well and truly to be made, we bind ourselves, our heirs, successors, executors and administrators, jointly and severally firmly by these presents.

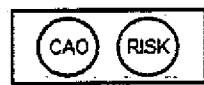
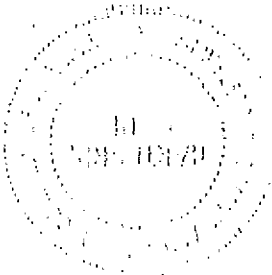
As part of the obligation secured hereby and in addition to the face amount specified therefore, there shall be included costs and reasonable expenses and fees, including reasonable attorney's fees, incurred by county in successfully enforcing such obligation, all to be taxed as costs and included in any judgment rendered.

The surety hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the agreement or to the work to be performed thereunder or the specification accompanying the same shall in any wise affect its obligations on this bond, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the agreement or to the work or to the specifications.

IN WITNESS WHEREOF, this instrument has been duly executed by the principal and surety above named, on 11/13/2015

By [Signature] GEO. H. WILSON
PRINCIPAL Richard J Wilson, President

By [Signature] TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA
ATTORNEY-IN-FACT, EDWARD C. SPECTOR



CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

A Notary Public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

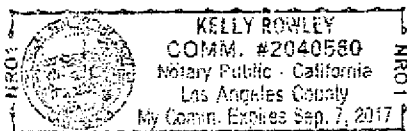
State of California

County of Los Angeles

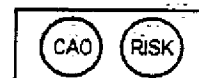
On NOV 1 9 2015 before me, Kelly Rowley, Notary Public, personally appeared Edward C. Spector who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/~~she~~/they executed the same in his/~~her~~/their authorized capacity(ies), and that by his/~~her~~/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature Kelly Rowley
Kelly Rowley, Signature of Notary Public





POWER OF ATTORNEY

Farmington Casualty Company
Fidelity and Guaranty Insurance Company
Fidelity and Guaranty Insurance Underwriters, Inc.
St. Paul Fire and Marine Insurance Company
St. Paul Guardian Insurance Company

St. Paul Mercury Insurance Company
Travelers Casualty and Surety Company
Travelers Casualty and Surety Company of America
United States Fidelity and Guaranty Company

Attorney-In Fact No. 229300

Certificate No. 006445888

KNOW ALL MEN BY THESE PRESENTS: That Farmington Casualty Company, St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company are corporations duly organized under the laws of the State of Connecticut, that Fidelity and Guaranty Insurance Company is a corporation duly organized under the laws of the State of Iowa, and that Fidelity and Guaranty Insurance Underwriters, Inc., is a corporation duly organized under the laws of the State of Wisconsin (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint

Tracy Aston, Kristine Mendez, KD Conrad, Simone Gerhard, Edward C. Spector, Paul Rodriguez, Lisa K. Crail, B. Aleman, Danivy Mady, James Ross, Misty Wright, Nathan Varnold, and Renato F. Reyes

of the City of Los Angeles, State of California, their true and lawful Attorney(s)-in-Fact, each in their separate capacity if more than one is named above, to sign, execute, seal and acknowledge any and all bonds, recognizances, conditional undertakings and other writings obligatory in the nature thereof on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed and their corporate seals to be hereto affixed, this 28th day of August 2015

Farmington Casualty Company
Fidelity and Guaranty Insurance Company
Fidelity and Guaranty Insurance Underwriters, Inc.
St. Paul Fire and Marine Insurance Company
St. Paul Guardian Insurance Company

St. Paul Mercury Insurance Company
Travelers Casualty and Surety Company
Travelers Casualty and Surety Company of America
United States Fidelity and Guaranty Company



State of Connecticut
City of Hartford ss.

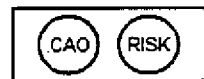
By: [Signature]
Robert L. Rancey, Senior Vice President

On this the 28th day of August 2015, before me personally appeared Robert L. Rancey, who acknowledged himself to be the Senior Vice President of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company, and that he, as such, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

In Witness Whereof, I hereunto set my hand and official seal. My Commission expires the 30th day of June, 2016.



[Signature: Marie C. Tetreault]
Marie C. Tetreault, Notary Public



Payment Bond Public Works

BOND NO.: 106344778
Premium Noted on Performance Bond

KNOW ALL MEN BY THESE PRESENTS, That we, Geo. H. Wilson, Inc. Principal, and Travelers Casualty and Surety Company of America, incorporated under the laws of the State of Connecticut and authorized to execute bonds and undertakings as sole surety, as Surety, are held and firmly bound unto any and all persons named in California Civil Code Section 1181 whose claim has not been paid by the contractor, company or corporation, in the aggregate total of Forty Three Thousand Five Hundred and 00/100 dollars (\$43,500.00), for the payment whereof, well and truly to be made, said Principal and Surety bind themselves, their heirs, administrators, successors and assigns, jointly and severally, firmly by these present.

The Condition of the foregoing obligation is such that; whereas the above bounden Principal has entered into a contract, dated _____, with the City of Monterey to do the following work, to-wit:

Perform Mechanical repairs and upgrades to HVAC systems and associated components: B343 Project (DPW-14021E)

This bond shall inure to the benefit of any person named in Section 3181 of the Civil Code of the State of California so as to vie a right of action to them or their assignees in any suit brought upon this bond.

This bond is executed and filed to comply with the provisions of the act of Legislature of the State of California as designated in Civil Code Sections 3247-3252 inclusive, and all amendments thereto.

Signed and sealed this 13th day of November, 2015

GEO. H. WILSON, INC.

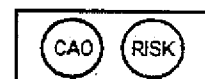
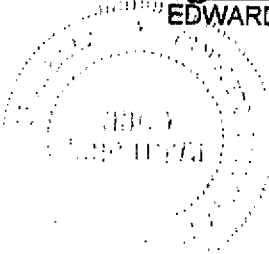
BY

Richard J Wilson, President

TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA

BY

Edward C. Spector
EDWARD C. SPECTOR ATTORNEY-IN-FACT



CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

A Notary Public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

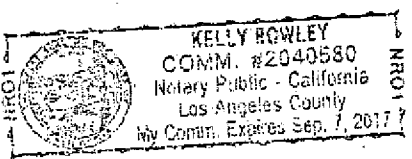
State of California

County of Los Angeles

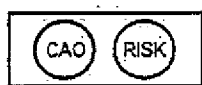
On NOV 19 2015 before me, Kelly Rowley, Notary Public, personally appeared Edward C. Spector who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/~~she~~/they executed the same in his/~~her~~/their authorized capacity(ies), and that by his/~~her~~/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature Kelly Rowley
Kelly Rowley, Signature of Notary Public





POWER OF ATTORNEY

Farmington Casualty Company
Fidelity and Guaranty Insurance Company
Fidelity and Guaranty Insurance Underwriters, Inc.
St. Paul Fire and Marine Insurance Company
St. Paul Guardian Insurance Company

St. Paul Mercury Insurance Company
Travelers Casualty and Surety Company
Travelers Casualty and Surety Company of America
United States Fidelity and Guaranty Company

Attorney-In Fact No. 229300

Certificate No. 006445868

KNOW ALL MEN BY THESE PRESENTS: That Farmington Casualty Company, St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company are corporations duly organized under the laws of the State of Connecticut, that Fidelity and Guaranty Insurance Company is a corporation duly organized under the laws of the State of Iowa, and that Fidelity and Guaranty Insurance Underwriters, Inc., is a corporation duly organized under the laws of the State of Wisconsin (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint

Tracy Aston, Kristine Mendez, KD Conrad, Simone Gerhard, Edward C. Spector, Paul Rodriguez, Lisa K. Craif, B. Aleman, Daravy Mady, James Ross, Misty Wright, Nathan Varnold, and Renata F. Reyes

of the City of Los Angeles, State of California, their true and lawful Attorney(s)-in-Fact, each in their separate capacity if more than one is named above, to sign, execute, seal and acknowledge any and all bonds, recognizances, conditional undertakings and other writings obligatory in the nature thereof on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed and their corporate seals to be hereto affixed, this 28th day of August, 2015

Farmington Casualty Company
Fidelity and Guaranty Insurance Company
Fidelity and Guaranty Insurance Underwriters, Inc.
St. Paul Fire and Marine Insurance Company
St. Paul Guardian Insurance Company

St. Paul Mercury Insurance Company
Travelers Casualty and Surety Company
Travelers Casualty and Surety Company of America
United States Fidelity and Guaranty Company

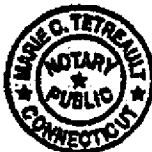


State of Connecticut
City of Hartford ss.

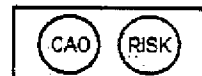
By: [Signature]
Robert L. Raney, Senior Vice President

On this the 28th day of August, 2015, before me personally appeared Robert L. Raney, who acknowledged himself to be the Senior Vice President of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company, and that he, as such, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

In Witness Whereof, I hereunto set my hand and official seal.
My Commission expires the 30th day of June, 2016.



[Signature: Marie C. Tetreault]
Marie C. Tetreault, Notary Public



NONCOLLUSION DECLARATION TO BE EXECUTED BY BIDDER AND SUBMITTED WITH BID

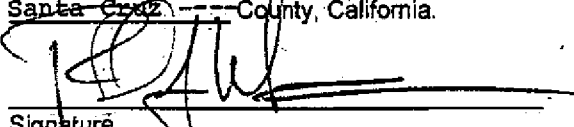
The undersigned declares:

I am the President of Geo. H. Wilson, Inc., the party making the foregoing bid.

The bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation. The bid is genuine and not collusive or sham. The bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid. The bidder has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or to refrain from bidding. The bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder. All statements contained in the bid are true. The bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof, to effectuate a collusive or sham bid, and has not paid, and will not pay, any person or entity for such purpose.

Any person executing this declaration on behalf of a bidder that is a corporation, partnership, joint venture, limited liability company, limited liability partnership, or any other entity, hereby represents that he or she has full power to execute, and does execute, this declaration on behalf of the bidder.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct and that this declaration is executed on this 12th day of November, 2015 in Santa Cruz [city], Santa Cruz County, California.



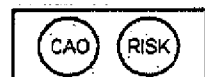
Signature

Richard J. Wilson, President

Printed Name and Title

RJW/sjc

REV 08/11/2015



DEBARMENT AND SUSPENSION CERTIFICATION

The Bidder, under penalty of perjury, certifies that, except as noted below, he/she or any other person associated therewith in the capacity of owner, partner, director, officer, manager:

- Is not currently under suspension, debarment, voluntary exclusion, or determination of ineligibility by any state, federal, or local agency;
- Has not been suspended, debarred, voluntarily excluded or determined ineligible by any state, federal, or local agency within the past 3 years;
- Does not have a proposed debarment pending; and
- Has not be indicted, convicted, or had a civil judgment rendered against it by a court of competent jurisdiction in any matter involving fraud or official misconduct within the past 3 years.

If there are any exceptions to this certification, insert the exceptions in the following space.

N/A

Exceptions will not necessarily result in denial of award, but will be considered in determining Bidder responsibility. For any exception noted above, indicate below to whom it applies, initiating agency, and dates of action.

Notes: Providing false information may result in criminal prosecution or administrative sanctions.

I declare under penalty of perjury that the foregoing is true and correct and that this certification is signed this 3rd day of November 2015 in Santa Cruz, Santa Cruz County, California.

Signature

Richard J. Wilson, President

Printed Name and Title

