

CONTRACT FOR CONSTRUCTION

This Contract is by and between.

OWNER

The City of San Mateo
330 West 20th Street
San Mateo, California 94403

CONTRACTOR

Newton Construction, Inc.
2436 Broad St, San Luis
Obispo, CA 93401

Owner and Contractor hereby agree as follows:

ARTICLE 1 - THE WORK

1.01 Work

- A. Work includes all labor, materials, equipment, services, and documentation necessary to construct the Project defined herein. The Work may include related services such as testing, start-up, and commissioning, all as required by the Contract Documents.
- B. The Contractor shall complete all Work as specified or indicated in the Contract Documents. The Project is generally described as follows:
 1. **San Mateo Police Barracks** which includes **interior demolition; asbestos abatement; relocating interior room partition walls; installing fire sprinklers and fire alarm system; replacing exterior windows; installing electrical fixtures and lighting; reconstruction of the main entrance doorway and ramp to provide ADA access to the public for the Police substation; construction of new, gender-neutral bathrooms; and installation of a new heating, ventilation, and cooling system.**
 2. The Site of the Work includes property, easements, and designated work areas described in greater detail in the Contract Documents but generally located at **1812 South Norfolk Street, San Mateo, California.**

ARTICLE 2 - DEFINITIONS AND TERMINOLOGY

2.01 Defined Terms

- A. Wherever used in the Bidding Requirements or Contract Documents, a term printed with initial capital letters, including the term's singular and plural forms, will have the meaning indicated in the definitions below. In addition to terms specifically defined, terms with initial capital letters in the Contract Documents include references to identified articles and paragraphs, and the titles of other documents or forms.
 1. Architect:
 - a. **WLC Architects, Inc. 1110 Iron Point Road, Suite 200, Folsom, CA 95630-8315**
 2. Constituent of Concern—Asbestos, petroleum, radioactive materials, polychlorinated biphenyls (PCBs), hazardous waste, and any substance, product, waste, or other material of any nature whatsoever that is or becomes listed, regulated, or addressed pursuant to (a) the Comprehensive Environmental Response, Compensation and Liability Act, 42 U.S.C. §§9601 et seq. ("CERCLA"); (b) the Hazardous Materials

Transportation Act, 49 U.S.C. §§5501 et seq.; (c) the Resource Conservation and Recovery Act, 42 U.S.C. §§6901 et seq. (“RCRA”); (d) the Toxic Substances Control Act, 15 U.S.C. §§2601 et seq.; (e) the Clean Water Act, 33 U.S.C. §§1251 et seq.; (f) the Clean Air Act, 42 U.S.C. §§7401 et seq.; or (g) any other federal, state, or local statute, law, rule, regulation, ordinance, resolution, code, order, or decree regulating, relating to, or imposing liability or standards of conduct concerning, any hazardous, toxic, or dangerous waste, substance, or material.

3. Engineer:

a. See Architect

4. Hazardous Environmental Condition— The presence at the Site of Constituents of Concern in such quantities or circumstances that may present a danger to persons or property exposed thereto. The presence at the Site of materials that are necessary for the execution of the Work, or that are to be incorporated in the Work, and that are controlled and contained pursuant to industry practices, Laws and Regulations, and the requirements of the Contract, does not establish a Hazardous Environmental Condition.

5. Resident Project Representative - The authorized representative of Owner assigned to assist Owner at the Site. As used herein, the term Resident Project Representative or “RPR” includes any assistants or field staff of Resident Project Representative. The RPR for this project is:

a. Stephen Wu, City of San Mateo

2.02 Terminology

A. The words and terms discussed in the following paragraphs are not defined but, when used in the Bidding Requirements or Contract Documents, have the indicated meaning.

B. Intent of Certain Terms or Adjectives:

1. The Contract Documents include the terms “as allowed,” “as approved,” “as ordered,” “as directed” or terms of like effect or import to authorize an exercise of professional judgment by Owner, Engineer, or Architect. In addition, the adjectives “reasonable,” “suitable,” “acceptable,” “proper,” “satisfactory,” or adjectives of like effect or import are used to describe an action or determination of Engineer as to the Work. It is intended that such exercise of professional judgment, action, or determination will be solely to evaluate, in general, the Work for compliance with the information in the Contract Documents and with the design concept of the Project as a functioning whole as shown or indicated in the Contract Documents (unless there is a specific statement indicating otherwise). The use of any such term or adjective is not intended to and shall not be effective to assign to Engineer any duty or authority to supervise or direct the performance of the Work, or any duty or authority to undertake responsibility contrary to the provisions of any provision of the Contract Documents.

C. Day:

1. The word “day” means a calendar day of 24 hours measured from midnight to the next midnight.

D. Defective:

1. The word “defective,” when modifying the word “Work,” refers to Work that is unsatisfactory, faulty, or deficient in that it:
 - a. does not conform to the Contract Documents; or
 - b. does not meet the requirements of any applicable inspection, reference standard, test, or approval referred to in the Contract Documents; or
 - c. has been damaged prior to Engineer’s recommendation of final payment (unless responsibility for the protection thereof has been assumed by Owner at Substantial Completion).
- E. Furnish, Install, Perform, Provide:
 1. The word “furnish,” when used in connection with services, materials, or equipment, shall mean to supply and deliver said services, materials, or equipment to the Site (or some other specified location) ready for use or installation and in usable or operable condition.
 2. The word “install,” when used in connection with services, materials, or equipment, shall mean to put into use or place in final position said services, materials, or equipment complete and ready for intended use.
 3. The words “perform” or “provide,” when used in connection with services, materials, or equipment, shall mean to furnish and install said services, materials, or equipment complete and ready for intended use.
 4. If the Contract Documents establish an obligation of Contractor with respect to specific services, materials, or equipment, but do not expressly use any of the four words “furnish,” “install,” “perform,” or “provide,” then Contractor shall furnish and install said services, materials, or equipment complete and ready for intended use.
- F. Unless stated otherwise in the Contract Documents, words or phrases that have a well-known technical or construction industry or trade meaning are used in the Contract Documents in accordance with such recognized meaning.

2.03 Contract Documents Defined

- A. The Contract Documents consist of the following documents:
 1. This Contract.
 2. Notice to Bidders.
 3. Instructions to Bidders.
 4. Contractor’s Bid.
 5. Performance bond.
 6. Payment bond.
 7. Addenda.
 8. Exhibits to this Contract (enumerated as follows):
 - a. **Exhibit 1 – Drawings.**
 - b. **Exhibit 2 – Contractor’s Proposal**

- c. **Exhibit 3 – Insurance Requirements for Construction Contracts.**
- 9. **National Joint Powers Alliance - Book 2: IQCC Standard Terms and Conditions and Contract General Conditions.**
- 10. **National Joint Powers Alliance - Book 3: Task Catalog.**
- 11. **National Joint Powers Alliance Book 4: Technical Specifications.**
- 12. The following which may be delivered or issued on or after the Effective Date of the Contract:
 - a. Work Change Directives.
 - b. Change Orders.
 - c. Field Orders.

ARTICLE 3 - CONTRACT DOCUMENTS

3.01 Intent of Contract Documents

- A. It is the intent of the Contract Documents to describe a functionally complete project. The Contract Documents do not indicate or describe all the Work required to complete the Project. Additional details required for the correct installation of selected products are to be provided by the Contractor and coordinated with the Owner and RPR. This Contract supersedes prior negotiations, representations, and agreements, whether written or oral. The Contract Documents are complementary; what is required by one part of the Contract Documents is as binding as if required by other parts of the Contract Documents.
- B. During the performance of the Work and until final payment, Contractor and Owner shall submit all matters in question concerning the requirements of the Contract Documents or relating to the acceptability of the Work under the Contract Documents to the RPR. RPR will be the initial interpreter of the requirements of the Contract Documents, and judge of the acceptability of the Work thereunder.
- C. RPR will render a written clarification, interpretation, or decision on the issue submitted, or initiate a modification to the Contract Documents.
- D. Contractor, and its subcontractors and suppliers, shall not have or acquire any title to or ownership rights to any of the Drawings, Specifications, or other documents (including copies or electronic media editions) prepared by RPR or its consultants.

3.02 Reporting and Resolving Discrepancies

- A. Reporting Discrepancies:
 - 1. *Contractor's Verification of Figures and Field Measurements:* Before undertaking each part of the Work, Contractor shall carefully study the Contract Documents, and check and verify pertinent figures and dimensions therein, particularly with respect to applicable field measurements. Contractor shall promptly report in writing to Engineer any conflict, error, ambiguity, or discrepancy that Contractor discovers, or has actual knowledge of, and shall not proceed with any Work affected thereby until the conflict, error, ambiguity, or discrepancy is resolved, by a clarification or interpretation by Engineer, or by an amendment or supplement to the Contract Documents.

2. *Contractor's Review of Contract Documents:* If, before or during the performance of the Work, Contractor discovers any conflict, error, ambiguity, or discrepancy within the Contract Documents, or between the Contract Documents and (a) any applicable Law or Regulation, (b) actual field conditions, (c) any standard specification, manual, reference standard, or code, or (d) any instruction of any Supplier, then Contractor shall promptly report it to Engineer in writing. Contractor shall not proceed with the Work affected thereby (except in an emergency as required by Paragraph 7.15) until the conflict, error, ambiguity, or discrepancy is resolved, by a clarification or interpretation by Engineer, or by an amendment or supplement to the Contract Documents issued pursuant to Paragraph 11.01.
 3. Contractor shall not be liable to Owner or Engineer for failure to report any conflict, error, ambiguity, or discrepancy in the Contract Documents unless Contractor had actual knowledge thereof.
- B. Resolving Discrepancies:
1. Except as may be otherwise specifically stated in the Contract Documents, the provisions of the Contract Documents shall take precedence in resolving any conflict, error, ambiguity, or discrepancy between such provisions of the Contract Documents and:
 - a. the provisions of any standard specification, manual, reference standard, or code, or the instruction of any Supplier (whether or not specifically incorporated by reference as a Contract Document); or
 - b. the provisions of any Laws or Regulations applicable to the performance of the Work (unless such an interpretation of the provisions of the Contract Documents would result in violation of such Law or Regulation).
 2. When a conflict exists between drawings or between drawings and details, the more stringent of the two shall prevail. When a conflict exists between two specifications, the more stringent of the two shall prevail.
 3. In the event of a conflict that cannot be resolved by interpreting the Contract Documents as a single, integrated document and giving effect to each provision therein, the Contract Document higher in precedence shall control and supersede the Contract Documents lower in precedence in accordance with the following listing arranged from the highest to the lowest in precedence:
 - a. Change Order.
 - b. Addenda.
 - c. Contract.
 - d. Technical Specifications included as an Exhibit to this Contract.
 - e. Drawings included as an Exhibit to this Contract.
 - f. Owner Standard Specifications.
 - g. Owner Standard Drawings.
 - h. National Joint Powers Alliance Book 4: Technical Specifications.**

- i. **National Joint Powers Alliance - Book 2: IQCC Standard Terms and Conditions and Contract General Conditions.**
- j. The provisions of any standard specification, manual, reference standard, or code, or the instruction of any Supplier (whether or not specifically incorporated by reference as a Contract Document).
- k. The provisions of any Laws or Regulations applicable to the performance of the Work (unless such an interpretation of the provisions of the Contract Documents would result in violation of such Law or Regulation).
- l. Notice to Bidder.
- m. Instruction to Bidder.

ARTICLE 4 - CONTRACT TIMES

4.01 Contract Times

- A. The Work will be substantially completed within **100** days after the Effective Date of the Contract and completed and ready for final payment within **120** days after the Effective Date of the Contract.

4.02 Liquidated Damages

- A. Contractor and Owner recognize that time is of the essence in the performance of the Contract, and that Owner will incur damages if Contractor does not complete the Work according to the requirements of Paragraph 4.01. Because such damages for delay would be difficult and costly to determine and the parties agree that **\$1,500** per day is a reasonable approximation of the Owner's damages, Owner and Contractor agree that as liquidated damages for delay (but not as a penalty) Contractor shall pay Owner **\$1,500** for each day that expires after the Contract Time for substantial completion.

4.03 Delays in Contractor's Progress

- A. If Owner, RPR, or anyone for whom Owner is responsible, delays, disrupts, or interferes with the performance or progress of the Work, then Contractor shall be entitled to an equitable adjustment in the Contract Times and Contract Price. Contractor's entitlement to an adjustment of the Contract Times is conditioned on such adjustment being essential to Contractor's ability to complete the Work within the Contract Times.
- B. Contractor shall not be entitled to an adjustment in Contract Price or Contract Times for delay, disruption, or interference caused by or within the control of Contractor or their subcontractors or suppliers.
- C. If Contractor's performance or progress is delayed, disrupted, or interfered with by unanticipated causes not the fault of and beyond the control of Owner, Contractor, and those for which they are responsible, then Contractor shall be entitled to an equitable adjustment in Contract Times.
- D. Contractor shall not be entitled to an adjustment in Contract Price or Contract Times for any delay, disruption, or interference if such delay is concurrent with a delay, disruption, or interference caused by or within the control of Contractor or Contractor's subcontractors or suppliers.

4.04 Progress Schedules

- A. Contractor shall develop a progress schedule and submit to the RPR for review and comment before starting Work on the Site. The Contractor shall modify the schedule in accordance with the comments provided by the RPR.
- B. The Contractor shall update and submit the progress schedule to the RPR each month. The Owner may withhold payment if the Contractor fails to submit the schedule.

ARTICLE 5 - CONTRACT PRICE

5.01 Payment

- A. Owner shall pay Contractor in accordance with the Contract Documents, the lump sum amount of **\$534,304.94** for all Work.
- B. For any additional Work authorized by Owner, Owner shall pay Contractor in an amount equal to the total of all extended prices for actual Work completed. The extended price is determined by multiplying the unit price in the **National Joint Powers Alliance - Book 3: Task Catalog** times the actual quantity of that Work item completed. Actual quantities installed will be determined by the RPR.

ARTICLE 6 - BONDS AND INSURANCE

6.01 Bonds

- A. Before starting Work, Contractor shall furnish a performance bond and a payment bond from surety companies that are duly licensed or authorized to issue bonds in the required amounts in the jurisdiction in which the Project is located. Each bond shall be in an amount equal to the Contract Price, as security for the faithful performance and payment of all of Contractor's obligations under the Contract. These bonds shall remain in effect until the completion of the correction period specified in Paragraph 7.12 but, in any case, not less than one year after the date when final payment becomes due.
- B. Performance by Sureties. In the event of any termination, Owner shall immediately give written notice to Contractor and Contractor's sureties, and the sureties shall have the right to take over and perform the Contract, provided, however, that if the sureties, within five days after giving them notice of said termination, do not give Owner written notice of their intention to take over the performance thereof within five days after notice, Owner may take over the work and prosecute the same to completion, by contract or by any other method it may deem advisable, for the account, and at the expense of Contractor, and the sureties shall be liable to Owner for any excess cost or damages occasioned Owner thereby; and, in such event, Owner may, without liability for so doing, take possession of, and utilize in completing the work, such materials, appliances, plant and other property belonging to Contractor as may be on the site of the work and necessary therefore

6.02 Insurance

- A. The Contractor shall procure and maintain the insurance specified in the Exhibit 3 of this Contract for the greater of (1) the duration of the contract plus a period of **five (5)** years after completion of the Project or (2) the duration shown in Exhibit 3.

ARTICLE 7 - CONTRACTOR'S RESPONSIBILITIES

7.01 Supervision and Superintendence

- A. Contractor shall supervise and direct the Work competently and efficiently, devoting such attention thereto and applying such skills and expertise as may be necessary to perform the Work in accordance with the Contract Documents. Contractor shall be solely responsible for the means, methods, techniques, sequences, safety, and procedures of construction.
- B. Contractor shall assign a competent resident superintendent who is to be present at all times during the execution of the Work. This resident superintendent shall not be replaced without written notice to and approval by the Owner and RPR except under extraordinary circumstances.
- C. Contractor shall at all times maintain good discipline and order at the Site.
- D. Except as otherwise required for the safety or protection of persons or the Work or property at the Site or adjacent thereto, and except as otherwise stated in the Contract Documents, all Work at the Site shall be performed during regular working hours, Monday through Friday.

7.02 Other Work at the Site

- A. In addition to and apart from the Work of the Contractor, other work may occur at or adjacent to the Site. Contractor shall take reasonable and customary measures to avoid damaging, delaying, disrupting, or interfering with the work of Owner, any other contractor, or any utility owner performing other work at or adjacent to the Site.

7.03 Services, Materials, and Equipment

- A. Unless otherwise specified in the Contract Documents, Contractor shall provide and assume full responsibility for all services, materials, equipment, labor, transportation, construction equipment and machinery, tools, appliances, fuel, power, light, heat, telephone, water, sanitary facilities, temporary facilities, and all other facilities and incidentals necessary for the performance, testing, start up, and completion of the Work, whether or not such items are specifically called for in the Contract Documents.
- B. All materials and equipment incorporated into the Work shall be new, of good quality and shall be stored, applied, installed, connected, erected, protected, used, cleaned, and conditioned in accordance with instructions of the applicable supplier, except as otherwise may be provided in the Contract Documents.

7.04 Subcontractors and Suppliers

- A. Contractor may retain subcontractors and suppliers for the performance of parts of the Work acceptable to Owner, provided that no work may be performed by a subcontractor who is debarred pursuant to Labor Code Sections 1777.1 or 1777.7.

7.05 Quality Management

- A. Contractor is fully responsible for the managing quality to ensure Work is completed in accordance with the Contract Documents.

7.06 Licenses, Fees and Permits

- A. Contractor shall pay all license fees and royalties and assume all costs incident to performing the Work or the incorporation in the Work of any invention, design, process, product, or device which is the subject of patent rights or copyrights held by others.
- B. Contractor shall obtain and pay for all construction permits and licenses unless otherwise provided in the Contract Documents.

7.07 Laws and Regulations; Taxes

- A. Contractor shall give all notices required by and shall comply with all local, state, and federal Laws and Regulations applicable to the performance of the Work. Except where otherwise expressly required by applicable Laws and Regulations, neither Owner nor RPR shall be responsible for monitoring Contractor's compliance with any Laws or Regulations.
- B. Contractor shall bear all resulting costs and losses, and shall indemnify and hold harmless Owner and RPR, and the officers, directors, members, partners, employees, agents, consultants, and subcontractors of each and any of them from and against all claims, costs, losses, and damages if Contractor performs any Work or takes any other action knowing or having reason to know that it is contrary to Laws or Regulations.
- C. Contractor shall pay all applicable sales, consumer, use, and other similar taxes Contractor is required to pay in accordance with Laws and Regulations.
- D. In accordance with Public Contract Code Section 7103.5, the contractor offers and agrees to assign to the awarding body all rights, title, and interest in and to all causes of action it may have under Section 4 of the Clayton Act (15 U.S.C. Sec. 15) or under the Cartwright Act (Chapter 2 (commencing with Section 16700) of Part 2 of Division 7 of the Business and Professions Code), arising from purchases of goods, services, or materials pursuant to the public works contract or the subcontract. This assignment shall be made and become effective at the time the awarding body tenders final payment to the contractor, without further acknowledgment by the parties.
- E. Contractor shall give notice of hazardous materials and certain changed conditions in jobs involving trenching more than four feet deep.
- F. In accordance with Labor Code Section 1773.2, contractor will make travel and subsistence payments as required by statute.
- G. In accordance with Labor Code Section 1771, contractor must pay prevailing wages. The prevailing wage scale as determined by the Director of Industrial Relations of the State of California, in force on the day the bid was announced, will be the minimum paid to all craftsmen and laborers working on this project. Contractor shall also require any subcontractors who work or provide any services related to the project to pay all persons performing labor or rendering service under said subcontract or other arrangement at least the general prevailing rate of wages, determined as set forth herein for the respective crafts and employments, including such wages for holiday and overtime work. A copy of the correct determination will be posted at the job site. It is understood that it is the responsibility of Contractor to determine the correct scale. Copies of the prevailing wage rates are on file at the City Clerk's office; however, errors or defects in the materials in the City Clerk's office will not excuse a bidder's failure to comply with the actual scale then in force. In accordance

with Labor Code Section 1775, the statutory provisions for failure to pay prevailing wages will be enforced.

- H. In accordance with Labor Code Section 1776, contractor must comply with the statutory requirements relating to certified copies of payroll records.
- I. In accordance with Labor Code Section 1777.5, contractor must comply with the statutory requirements relating to the employment of apprentices.
- J. In accordance with Labor Code Section 1810, eight hours labor constitutes a legal day's work. Contractor shall not require more than eight hours' labor in a day and 40 hours in a calendar week from any person employed by Contractor in the performance of such work unless such excess work is compensated for at not less than one and one-half times the basic rate of pay. Contractor shall forfeit as a penalty to Owner the sum of \$25.00 for each laborer, workman, or mechanic employed in the execution of this contract by Contractor, or by any subcontractor, for each calendar day during which such laborer, workman, or mechanic is required or permitted to labor more than eight hours in any calendar day and 40 hours in any one calendar week in violation of the provisions of Section 1810 and 1816, inclusive, of the Labor Code of the State of California.
- K. In accordance with Labor Code Section 1813, the statutory provisions for penalties for failure to comply with wage and hour laws will be enforced.
- L. In accordance with Labor Code Section 1860, the contractor must secure the payment of workers' compensation to its employees.
- M. In accordance with Labor Code Section 6705, the contractor must submit a detailed plan of the shoring and bracing for trenches five feet deep or more for contracts in excess of \$25,000.
- N. In accordance with Labor Code Sections 1725.5 and 1771.1, all contractors and subcontractors must be registered with the Department of Industrial Relations. In accordance with Labor Code Section 1771.4, the contractor must post job site notices as required by regulation and this project will be subject to compliance monitoring and enforcement by the Department of Industrial Relations.

7.08 Record Documents

- A. Contractor shall maintain one printed record copy of all Drawings, Specifications, Addenda, Change Orders, Work Change Directives, Field Orders, written interpretations and clarifications, and approved shop drawings in a safe place at the Site. Contractor shall annotate them to show changes made during construction. Contractor shall deliver these record documents to RPR upon completion of the Work.

7.09 Safety and Protection

- A. Contractor shall be solely responsible for initiating, maintaining, and supervising all safety precautions and programs in connection with the Work.
- B. Contractor shall take all necessary precautions for the safety of, and shall provide the necessary protection to prevent damage, injury, or loss to:
 - 1. All persons on the Site or who may be affected by the Work;
 - 2. All the Work and materials and equipment to be incorporated therein, whether in storage on or off the Site; and

3. Other property at the Site or adjacent thereto, including trees, shrubs, lawns, walks, pavements, roadways, structures, other work in progress, utilities, and underground facilities not designated for removal, relocation, or replacement in the course of construction.
- C. All damage, injury, or loss to any property caused, directly or indirectly, in whole or in part, by Contractor, or anyone for whose acts the Contractor may be liable, shall be remedied by Contractor at its expense (except damage or loss attributable to the fault of Contract Documents or to the acts or omissions of Owner or RPR and not attributable, directly or indirectly, in whole or in part, to the fault or negligence of Contractor).
- D. Contractor shall be responsible for coordinating any exchange of material safety data sheets or other hazard communication information required to be made available to or exchanged between or among employers at the Site in accordance with Laws or Regulations.
- E. In emergencies affecting the safety or protection of persons or the Work or property at the Site or adjacent thereto, Contractor shall act to prevent threatened damage, injury, or loss. Contractor shall give RPR prompt written notice if Contractor believes that any significant changes in the Work or variations from the Contract Documents have been caused thereby or are required as a result thereof. If RPR determines that a change in the Contract Documents is required because of the action taken by Contractor in response to such an emergency, a Work Change Directive or Change Order will be issued.

7.10 Shop Drawings, Samples, and Other Submittals

- A. Contractor shall review and coordinate the shop drawing and samples with the requirements of the Work and the Contract Documents and shall verify all related field measurements, quantities, dimensions, specified performance and design criteria, installation requirements, materials, catalog numbers, and similar information.
- B. Each submittal shall bear a stamp or specific written certification that Contractor has satisfied Contractor's obligations under the Contract Documents with respect to Contractor's review of that submittal, and that Contractor approves the submittal.
- C. With each submittal, Contractor shall give RPR specific written notice, in a communication separate from the submittal, of any variations that the shop drawing or sample may have from the requirements of the Contract Documents.
- D. RPR will provide timely review of shop drawings and samples.
- E. RPR's review and approval will not extend to means, methods, techniques, sequences, or procedures of construction or to safety precautions or programs.
- F. RPR's review and approval of a separate item does not indicate approval of the assembly in which the item functions.
- G. Contractor shall make corrections required by RPR and shall return the required number of corrected copies of shop drawings and submit, as required, new samples for review and approval. Contractor shall direct specific attention in writing to revisions other than the corrections called for by RPR on previous submittals.
- H. Shop drawings are not Contract Documents.

7.11 Warranties and Guarantees

- A. Contractor warrants and guarantees to Owner that all Work will be in accordance with the Contract Documents and will not be defective. RPR and its officers, directors, members, partners, employees, agents, consultants, and subcontractors shall be entitled to rely on Contractor's warranty and guarantee.

7.12 Correction Period

- A. If within one year after the date of substantial completion, any Work is found to be defective, or if the repair of any damages to the Site, adjacent areas that Contractor has arranged to use through construction easements or otherwise, and other adjacent areas used by Contractor as permitted by Laws and Regulations, is found to be defective, then Contractor shall promptly and without cost to Owner, correct such defective Work.

7.13 Indemnification

- A. To the fullest extent permitted by Laws and Regulations, and in addition to any other obligations of Contractor under the Contract or otherwise, Contractor shall indemnify and hold harmless Owner and RPR, and the officials, employees, and agents, of each and any of them from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of RPR, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to the performance of the Work. Contractor will defend Owner, its elected and appointed officials, employees, and agents against any such claims. However, this provision does not apply to claims, loss, liability, damage, or expense arising from the sole negligence or willful misconduct of the Owner

ARTICLE 8 - OWNER'S RESPONSIBILITIES

8.01 Owner's Responsibilities

- A. Except as otherwise provided in the Contract Documents, Owner shall issue all communications to Contractor through RPR.
- B. Owner shall make payments to Contractor as provided in this Contract.
- C. Owner shall provide Site and easements required to construct the Project.
- D. If Owner intends to contract with others for the performance of other work at or adjacent to the Site, unless stated elsewhere in the Contract Documents, Owner shall have sole authority and responsibility for such coordination.
- E. The Owner shall be responsible for performing inspections and tests required by applicable codes.
- F. The Owner shall not supervise, direct, or have control or authority over, nor be responsible for, Contractor's means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs, or for any failure of Contractor to comply with Laws and Regulations applicable to the performance of the Work. Owner will not be responsible for Contractor's failure to perform the Work in accordance with the Contract Documents.
- G. While at the Site, Owner's employees and representatives shall comply with the specific applicable requirements of Contractor's safety programs of which Owner has been informed.

- H. Owner shall furnish copies of any applicable Owner safety programs to Contractor.
- I. In accordance with Public Contract Code Section 9201, Owner shall give contractor timely notification of the receipt of any third-party claims relating to the contract.

ARTICLE 9 - RPR'S STATUS DURING CONSTRUCTION

9.01 RPR's Status

- A. RPR will be Owner's representative during construction. The duties and responsibilities and the limitations of authority of RPR as Owner's representative during construction are set forth in this Contract.
- B. Neither RPR's authority or responsibility under this Article 9 or under any other provision of the Contract, nor any decision made by RPR in good faith either to exercise or not exercise such authority or responsibility or the undertaking, exercise, or performance of any authority or responsibility by RPR, shall create, impose, or give rise to any duty in contract, tort, or otherwise owed by RPR to Contractor, any subcontractor, any supplier, any other individual or entity, or to any surety for or employee or agent of any of them.
- C. RPR will make visits to the Site at intervals appropriate to the various stages of construction. RPR will not be required to make exhaustive or continuous inspections on the Site to check the quality or quantity of the Work.
- D. RPR has the authority to reject Work if Contractor fails to perform Work in accordance with the Contract Documents.
- E. RPR will render decisions regarding the requirements of the Contract Documents and judge the acceptability of the Work.
- F. RPR will not supervise, direct, control, or have authority over or be responsible for Contractor's means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs, or for any failure of Contractor to comply with Laws and Regulations applicable to the performance of the Work. RPR will not be responsible for Contractor's failure to perform the Work in accordance with the Contract Documents.

ARTICLE 10 - CHANGES IN THE WORK

10.01 Authority to Change the Work

- A. Without invalidating the Contract and without notice to any surety, Owner may, at any time or from time to time, order additions, deletions, or revisions in the Work.

10.02 Change Orders

- A. Owner and Contractor shall execute appropriate Change Orders covering:
 - 1. Changes in the Contract Price or Contract Times which are agreed to by the parties, including any undisputed sum or amount of time for Work actually performed in accordance with a Work Change Directive;
 - 2. Changes in the Work which are: (a) ordered by Owner or (b) agreed to by the parties or (c) resulting from the RPR's decision, subject to the need for RPR's recommendation if the change in the Work involves the design (as set forth in the Drawings, Specifications, or otherwise), or other engineering or technical matters; and

3. Changes in the Contract Price or Contract Times or other changes which embody the substance of any final binding results under Article 12.
- B. If the provisions of any bond require notice to be given to a surety of any change affecting the general scope of the Work or the provisions of the Contract Documents (including, but not limited to, Contract Price or Contract Times), the giving of any such notice will be Contractor's responsibility. The amount of each applicable bond will be adjusted to reflect the effect of any such change.

ARTICLE 11 - DIFFERING SUBSURFACE OR PHYSICAL CONDITIONS

11.01 Differing Conditions Process

- A. If Contractor believes that any subsurface or physical condition including but not limited to utilities or other underground facilities that are uncovered or revealed at the Site either differs materially from that shown or indicated in the Contract Documents or is of an unusual nature, and differs materially from conditions ordinarily encountered and generally recognized as inherent in Work of the character provided for in the Contract Documents then Contractor shall, promptly after becoming aware thereof and before further disturbing the subsurface or physical conditions or performing any Work in connection therewith (except in an emergency), notify Owner and RPR in writing about such condition. Contractor shall not further disturb such condition or perform any Work in connection therewith (except with respect to an emergency) until receipt of a written statement permitting Contractor to do so.
- B. After receipt of written notice, RPR will promptly:
1. Review the subsurface or physical condition in question;
 2. Determine necessity for Owner obtaining additional exploration or tests with respect to the condition;
 3. Determine whether the condition falls within the differing site condition as stated herein;
 4. Obtain any pertinent cost or schedule information from Contractor;
 5. Prepare recommendations to Owner regarding the Contractor's resumption of Work in connection with the subsurface or physical condition in question and the need for any change in the Drawings or Specifications; and
 6. Advise Owner in writing of RPR's findings, conclusions, and recommendations.
- C. After receipt of RPR's written findings, conclusions, and recommendations, Owner shall issue a written statement to Contractor regarding the subsurface or physical condition in question, addressing the resumption of Work in connection with such condition, indicating whether any change in the Drawings or Specifications will be made, and adopting or rejecting RPR's written findings, conclusions, and recommendations, in whole or in part.

ARTICLE 12 - CLAIMS AND DISPUTE RESOLUTION

12.01 Claims Process

- A. The party submitting a claim shall deliver it directly to the other party to the Contract and the RPR promptly (but in no event later than 10 days) after the start of the event giving rise thereto.
- B. The party receiving a claim shall review it thoroughly, giving full consideration to its merits. The two parties shall seek to resolve the claim through the exchange of information and direct negotiations. All actions taken on a claim shall be stated in writing and submitted to the other party.
- C. If efforts to resolve a claim are not successful, the party receiving the claim may deny it by giving written notice of denial to the other party. If the receiving party does not take action on the claim within 45 days, the claim is deemed denied.
- D. If the dispute is not resolved to the satisfaction of the parties, Owner or Contractor shall give written notice to the other party of the intent to submit the dispute to a court of competent jurisdiction unless the Owner and Contractor both agree to an alternative dispute resolution process.

12.02 Mediation

Should any dispute arise out of this Contract, any party may request that it be submitted to mediation. The parties shall meet in mediation within 30 days of a request. The mediator shall be agreed to by the mediating parties; in the absence of an agreement, the parties shall each submit one name from mediators listed by the American Arbitration Association, the California State Board of Mediation and Conciliation, or other agreed-upon service. The mediator shall be selected by a blind draw. The cost of mediation shall be borne equally by the parties. Neither party shall be deemed the prevailing party. No party shall be permitted to file a legal action without first meeting in mediation and making a good faith attempt to reach a mediated settlement. The mediation process, once commenced by a meeting with the mediator, shall last until agreement is reached by the parties but not more than 60 days, unless the maximum time is extended by the parties.

ARTICLE 13 - TESTS AND INSPECTIONS; CORRECTION OF DEFECTIVE WORK

13.01 Tests and Inspections

- A. Owner and RPR will have access to the Site and the Work at reasonable times for their observation, inspection, and testing. Contractor shall provide them proper and safe conditions for such access.
- B. Contractor shall give RPR timely notice of readiness of the Work for all required inspections and tests and shall cooperate with inspection and testing personnel to facilitate required inspections and tests.
- C. If any Work that is to be inspected, tested, or approved is covered by Contractor without written concurrence of RPR, Contractor shall, if requested by RPR, uncover such Work for observation. Such uncovering shall be at Contractor's expense.

13.02 Defective Work

- A. Contractor shall ensure that the Work is not defective.
- B. RPR has the authority to determine whether Work is defective, and to reject defective Work.
- C. Prompt notice of all defective Work of which Owner or RPR has actual knowledge will be given to Contractor.
- D. The Contractor shall promptly correct all such defective Work.
- E. When correcting defective Work, Contractor shall take no action that would void or otherwise impair Owner's special warranty and guarantee, if any, on said Work.
- F. If the Work is defective or Contractor fails to supply sufficient skilled workers or suitable materials or equipment, or fails to perform the Work in such a way that the completed Work will conform to the Contract Documents, then Owner may order Contractor to stop the Work, or any portion thereof, until the cause for such order has been eliminated.

ARTICLE 14 - PAYMENTS TO CONTRACTOR

14.01 Progress Payments

- A. The Contractor shall prepare a schedule of values that will serve as the basis for progress payments. The schedule of values will be in a form of application for payment acceptable to RPR. The unit price breakdown submitted with the bid will be used for unit price work. Break lump sum items into units that will allow for measurement of Work in progress.

14.02 Applications for Payments:

- A. Contractor shall submit an application for payment in a form acceptable to the RPR, no more frequently than monthly, to RPR. Applications for payment will be prepared and signed by Contractor. Contractor shall provide supporting documentation required by the Contract Documents. Payment will be paid for Work completed as of the date of the application for payment.
- B. Beginning with the second application for payment, each application shall include an affidavit of Contractor stating that all previous progress payments received on account of the Work have been applied on account to discharge Contractor's legitimate obligations associated with prior applications for payment.

14.03 Retainage

- A. The Owner shall retain 5% of each progress payment until the Work is substantially complete.

14.04 Review of Applications

- A. Within 10 days after receipt of each application for payment, the RPR will either indicate in writing a recommendation for payment and present the application for payment to Owner or return the application for payment to Contractor indicating in writing RPR's reasons for refusing to recommend payment. The Contractor will make the necessary corrections and resubmit the application for payment.
- B. RPR will recommend reductions in payment (set-offs) which, in the opinion of the RPR, are necessary to protect Owner from loss because the Work is defective and requires correction or replacement.

- C. The Owner is entitled to impose set-offs against payment based on any claims that have been made against Owner on account of Contractor's conduct in the performance of the Work, incurred costs, losses, or damages on account of Contractor's conduct in the performance of the Work, or liquidated damages that have accrued as a result of Contractor's failure to complete the Work.

14.05 Contractor's Warranty of Title

- A. Contractor warrants and guarantees that title to all Work, materials, and equipment furnished under the Contract will pass to Owner free and clear of (1) all liens and other title defects, and (2) all patent, licensing, copyright, or royalty obligations, no later than seven days after the time of payment by Owner.

14.06 Substantial Completion

- A. The Contractor shall notify Owner and RPR in writing that the Work is substantially complete and request the RPR issue a certificate of substantial completion when Contractor considers the Work ready for its intended use. Contractor shall at the same time submit to Owner and RPR an initial draft of punch list items to be completed or corrected before final payment.
- B. RPR will make an inspection of the Work with the Owner and Contractor to determine the status of completion. If RPR does not consider the Work substantially complete, RPR will notify Contractor and Owner in writing giving the reasons therefor.
- C. If RPR considers the Work substantially complete or upon resolution of all reasons for non-issuance of a certificate identified in 14.06.B, RPR will deliver to Owner a certificate of substantial completion which shall fix the date of substantial completion and include a punch list of items to be completed or corrected before final payment.

14.07 Final Inspection

- A. Upon written notice from Contractor that the entire Work is complete, RPR will promptly make a final inspection with Owner and Contractor and will notify Contractor in writing of all particulars in which this inspection reveals that the Work, or agreed portion thereof, is incomplete or defective. Contractor shall immediately take such measures as are necessary to complete such Work or remedy such deficiencies.

14.08 Final Payment

- A. Contractor may make application for final payment after Contractor has satisfactorily completed all Work defined in the Contract, including providing all maintenance and operating instructions, schedules, guarantees, bonds, certificates or other evidence of insurance, certificates of inspection, annotated record documents and other documents.
- B. The final application for payment shall be accompanied (except as previously delivered) by:
 1. All documentation called for in the Contract Documents;
 2. Consent of the surety to final payment;
 3. Satisfactory evidence that all title issues have been resolved such that title to all Work, materials, and equipment has passed to Owner free and clear of any liens or other title defects, or will so pass upon final payment;
 4. A list of all disputes that Contractor believes are unsettled; and

5. Complete and legally effective releases or waivers (satisfactory to Owner) of all lien rights arising out of the Work, and of liens filed in connection with the Work.
- C. The Work is complete (subject to surviving obligations) when it is ready for final payment as established by the RPR's written recommendation of final payment.

14.09 Waiver of Claims

- A. The making of final payment will not constitute a waiver by Owner of claims or rights against Contractor.
- B. The acceptance of final payment by Contractor will constitute a waiver by Contractor of all claims and rights against Owner other than those pending matters that have been duly submitted.

ARTICLE 15 - SUSPENSION OF WORK AND TERMINATION

15.01 Owner May Suspend Work

- A. At any time and without cause, Owner may suspend the Work or any portion thereof for a period of not more than 60 consecutive days by written notice to Contractor and RPR. Such notice will fix the date on which Work will be resumed. Contractor shall resume the Work on the date so fixed. Contractor shall be entitled to an adjustment in the Contract Price or an extension of the Contract Times, or both, directly attributable to any such suspension.

15.02 Owner May Terminate for Cause

- A. Contractor's failure to perform the Work in accordance with the Contract Documents or other failure to comply with a material term of the Contract Documents will constitute a default by Contractor and justify termination for cause.
- B. If Contractor defaults in its obligations, then after giving Contractor and any surety ten days written notice that Owner is considering a declaration that Contractor is in default and termination of the Contract, Owner may proceed to:
 1. Declare Contractor to be in default, and give Contractor and any surety notice that the Contract is terminated; and
 2. Enforce the rights available to Owner under any applicable performance bond.
- C. Owner may not proceed with termination of the Contract under Paragraph 15.02.B if Contractor within seven days of receipt of notice of intent to terminate begins to correct its failure to perform and proceeds diligently to cure such failure.
- D. Subject to the terms and operation of any applicable performance bond, if Owner has terminated the Contract for cause, Owner may exclude Contractor from the Site, take possession of the Work, incorporate in the Work all materials and equipment stored at the Site or for which Owner has paid Contractor but which are stored elsewhere, and complete the Work as Owner may deem expedient.
- E. In the case of a termination for cause, if the cost to complete the Work, including related claims, costs, losses, and damages, exceeds the unpaid contract balance, Contractor shall pay the difference to Owner.

15.03 Owner May Terminate for Convenience

- A. Upon seven days written notice to Contractor, Owner may, without cause and without prejudice to any other right or remedy of Owner, terminate the Contract. In such case, Contractor shall be paid for, without duplication of any items:
 - 1. Completed and acceptable Work executed in accordance with the Contract Documents prior to the effective date of termination, including fair and reasonable sums for overhead and profit on such Work;
 - 2. Expenses sustained prior to the effective date of termination in performing services and furnishing labor, materials, or equipment as required by the Contract Documents in connection with uncompleted Work, plus fair and reasonable sums for overhead and profit on such expenses; and
 - 3. Other reasonable expenses directly attributable to termination, including costs incurred to prepare a termination for convenience cost proposal.
- B. Contractor shall not be paid on account of loss of anticipated overhead, profits, or revenue, or other economic loss arising out of or resulting from such termination.

15.04 Contractor May Stop Work or Terminate

- A. If, through no act or fault of Contractor, (1) the Work is suspended for more than 90 consecutive days by Owner or under an order of court or other public authority, or (2) Owner fails for 30 days to pay Contractor any sum finally determined to be due, then Contractor may, upon seven days written notice to Owner, and provided Owner does not remedy such suspension or failure within that time, either stop the Work until payment is received, or terminate the Contract and recover payment from the Owner.

ARTICLE 16 - CONTRACTOR'S REPRESENTATIONS

16.01 Contractor Representations

- A. Contractor makes the following representations when entering into this Contract:
 - 1. Contractor has examined and carefully studied the Contract Documents, and any data and reference items identified in the Contract Documents.
 - 2. Contractor has visited the Site, conducted a thorough visual examination of the Site and adjacent areas, and become familiar with and is satisfied as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
 - 3. Contractor is familiar with and is satisfied as to all Laws and Regulations that may affect cost, progress, and performance of the Work.
 - 4. Contractor has considered the information known to Contractor itself; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Contract Documents; and the Site-related reports and drawings identified in the Contract Documents, with respect to the effect of such information, observations, and documents on:
 - a. The cost, progress, and performance of the Work;
 - b. The means, methods, techniques, sequences, and procedures of construction to be employed by Contractor; and

- c. Contractor's safety precautions and programs.
5. Based on the information and observations referred to in the preceding paragraph, Contractor agrees that no further examinations, investigations, explorations, tests, studies, or data are necessary for the performance of the Work at the Contract Price, within the Contract Times, and in accordance with the other terms and conditions of the Contract.
6. Contractor is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Contract Documents.
7. Contractor has given RPR written notice of all conflicts, errors, ambiguities, or discrepancies that Contractor has discovered in the Contract Documents, and the written resolution thereof by RPR is acceptable to Contractor.
8. The Contract Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performance and furnishing of the Work.
9. Contractor's entry into this Contract constitutes an incontrovertible representation by Contractor that, without exception, all prices in the Contract are premised upon performing and furnishing the Work required by the Contract Documents.

ARTICLE 17 - MISCELLANEOUS

17.01 Cumulative Remedies

- A. The duties and obligations imposed by this Contract and the rights and remedies available hereunder to the parties hereto are in addition to, and are not to be construed in any way as a limitation of, any rights and remedies available to any or all of them which are otherwise imposed or available by Laws or Regulations, by special warranty or guarantee, or by other provisions of the Contract. The provisions of this paragraph will be as effective as if repeated specifically in the Contract Documents in connection with each particular duty, obligation, right, and remedy to which they apply.

17.02 Limitation of Damages

- A. Neither Owner, RPR, nor any of their officers, directors, members, partners, employees, agents, consultants, or subcontractors, shall be liable to Contractor for any claims, costs, losses, or damages sustained by Contractor on or in connection with any other project or anticipated project.

17.03 No Waiver

- A. A party's non-enforcement of any provision shall not constitute a waiver of that provision, nor shall it affect the enforceability of that provision or of the remainder of this Contract.

17.04 Survival of Obligations

- A. All representations, indemnifications, warranties, and guarantees made in, required by, or given in accordance with the Contract, as well as all continuing obligations indicated in the Contract, will survive final payment, completion, and acceptance of the Work or termination or completion of the Contract or termination of the services of Contractor.

17.05 Contractor's Certifications

- A. Contractor certifies that it has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for or in executing the Contract.

17.06 Controlling Law and Venue

- A. This Contract is to be governed by the law of the state of California and, in the event of litigation, venue will be in the County of San Mateo.

17.07 Notices

- A. All notices shall be in writing, and delivered in person, or transmitted by certified mail, postage prepaid. Notices required to be given to Owner or Contractor shall be addressed as appears in the signature block at the end of this Contract.

17.08 No Partnership or Agency

- A. Nothing in this Contract nor in the contract documents shall be deemed to constitute a partnership in law between Owner and Contractor, or any subcontractor, to constitute either party as an agent of the other for any purpose; or to entitle either party to commit or bind the other in any manner unless expressly agreed upon in the contract documents.

17.09 Severability

- A. If any part or provision of the contract documents is determined by any court to be illegal, invalid, or unenforceable, in whole or in part, the contract documents shall continue to be valid as to its other provisions and the remainder of the affected provision, unless it can be concluded from the circumstances that, in the absence of the provisions found to be null and void, the parties would not have entered into the contract documents. The parties shall use all reasonable efforts to replace any and all provisions or parts found to be null and void with provisions that are valid under the applicable law and come closest to their original intention.

17.10 Waiver

- A. None of the following shall operate as a waiver of any provision of the contract documents, or of any power herein reserved by the Owner, or any right to damages herein provided: 1) inspection by the Owner or its authorized agents or representatives; 2) any order or certificate for payment, or any payment for, or acceptance of the whole or any party of the work by the Owner; 3) an extension of time; or 4) any position taken by the Owner or its authorized agents or representatives.

17.11 Warranty

- A. Contractor warrants and guarantees that the materials and equipment provided shall be at least of the quality specified and new unless otherwise required or permitted by the contract documents and, if no quality is specified, then the materials and equipment shall be of commercial grade, suitable for heavy public use in facilities of similar size and complexity,, that the work performed hereunder will be free from defects, and that the work will conform to the requirements of the contract documents.

IN WITNESS WHEREOF, Owner and Contractor have signed this Contract.

This Contract will be effective on _____ (which is the Effective Date of the Contract).

OWNER:

CONTRACTOR:

By: Brad Underwood

By: _____

Title: Director of Public Works

Title: _____

(If Contractor is a corporation, a partnership, or a joint venture, attach evidence of authority to sign.)

Attest: _____

Attest: _____

Title: _____

Title: _____

Address for giving notices:

Address for giving notices:

330 West 20th Avenue

2436 Broad Street

San Mateo, CA 94403

San Luis Obispo, CA 93401

License No.: CA License # 783608
(where applicable)

EXHIBIT 1
CONTRACT DRAWINGS

SAN MATEO PD BARRACKS

CITY OF SAN MATEO

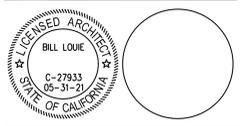
1812 S NORFOLK ST. SAN MATEO, CA 94403



SACRAMENTO AREA
 1110 IRON POINT ROAD, SUITE 200
 FOLSOM
 CALIFORNIA 95630-8313
 TEL: 916-355-9922
 www.wlcarchitects.com

SAN MATEO PD BARRACKS

CITY OF SAN MATEO
 1812 S NORFOLK STREET
 SAN MATEO, CA 94403



CONSULTANT

REVISION SCHEDULE			
NO.	DATE	BY	DESCRIPTION

DRAWN: AD CHECKED: BL
 DATE: 9/27/2019 SCALE:
 PROJECT NUMBER: 1914700

GENERAL NOTES & PROJECT DIRECTORY

DRAWING NUMBER: **A0.1**

GOVERNING CODES	DRAWING INDEX CODE		DRAWING INDEX			
	DRAWING GROUP / DISCIPLINE PREFIX INDEX	DRAWING NUMBER CODE	DRAWING REF NO	DESCRIPTION	DRAWING	DESCRIPTION
2016 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 1 2016 CALIFORNIA BUILDING CODE (CBC) CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 2 2016 CALIFORNIA ELECTRICAL CODE (CEC) CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 3 2016 CALIFORNIA MECHANICAL CODE (CMC) CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 4 2016 CALIFORNIA PLUMBING CODE (CPC) CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 5 2016 CALIFORNIA ENERGY CODE CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 6 2016 CALIFORNIA FIRE CODE (CFC) CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 9 2016 CALIFORNIA GREEN BUILDING STANDARDS CODE (CAL GREEN) CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 11 2010 AMERICANS WITH DISABILITY ACT (ADA) STANDARDS FOR ACCESSIBLE DESIGN (ADAS) APPLICABLE NFPA, UL AND ICC STANDARDS NFPA 13 - AUTOMATIC SPRINKLER SYSTEMS, 2016 EDITION NFPA 14 - STANDPIPE SYSTEMS, 2013 EDITION NFPA 72 - NATIONAL FIRE ALARM CODE, 2016 EDITION NFPA 80 - FIRE DOORS AND OTHER OPENING PROTECTIVES, 2016 EDITION UL 464 - AUDIBLE SIGNAL APPLIANCES, 2003 EDITION UL 521 - HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS, 1999 EDITION NOTE: ALL NFPA STANDARDS AS LISTED ARE TO CONFORM TO THE EDITION AS LISTED WITH THE LATEST CALIFORNIA AMENDMENTS. REFERENCE THE 2016 CBC, TITLE 24, PART 2 - CHAPTER 35 FOR ADDITIONAL APPLICABLE NFPA, UL STANDARDS AND ANY CALIFORNIA AMENDMENTS TO NFPA STANDARDS.	(2015 INTERNATIONAL BUILDING CODE (IBC) W/ CALIFORNIA AMENDMENTS) (2014 NATIONAL ELECTRIC CODE (NEC) W/ CALIFORNIA AMENDMENTS) (2015 UNIFORM MECHANICAL CODE (UMC) W/ CALIFORNIA AMENDMENTS) (2015 UNIFORM PLUMBING CODE (UPC) W/ CALIFORNIA AMENDMENTS) (2015 INTERNATIONAL FIRE CODE (IFC) W/ CALIFORNIA AMENDMENTS)	A. ARCHITECTURAL C. CIVIL D. INTERIOR DESIGN / FURNITURE E. ELECTRICAL F. FIRE PROTECTION / SPRINKLER SYSTEM G. GRAPHICS H. HAZARDOUS MATERIALS K. DIETARY / FOOD SERVICE L. LANDSCAPING M. MECHANICAL P. PLUMBING S. STRUCTURAL T. TELECOMMUNICATIONS O. GENERAL INFORMATION 1. SITE PLANS 2. FLOOR PLANS 3. REFLECTED CEILING PLANS 4. ROOF PLANS 5. EXTERIOR ELEVATIONS / SECTIONS 6. ENLARGED FLOOR PLANS 7. INTERIOR ELEVATIONS 8. SCHEDULES 9. EXTERIOR DETAILS 10. INTERIOR DETAILS	A2.2 DRAWING NUMBER GROUP PREFIX INDEX DISCIPLINE PREFIX INDEX DISCIPLINE OR DRAWING GROUPS NOT INDICATED IN DRAWING INDEX ARE NOT APPLICABLE OR ARE INCLUDED IN THE 16 DIVISIONAL GROUPING OF THE DETAIL DRAWINGS. BUILDING IDENTITY DESIGNATIONS MAY OR MAY NOT BE UTILIZED. REFER TO KEY PLANS AND DRAWING INDEX FOR APPLICATION OF BUILDING DESIGNATIONS. THE DISCIPLINE AND DRAWING GROUPS ARE INTEGRAL WITH THE DETAIL DRAWINGS AND ARE NOT COMPLETE IN THEMSELVES. IN CASE OF DISCREPANCY BETWEEN THE INDEX AND THE DRAWINGS, THE DRAWINGS SHALL GOVERN.	GENERAL (2) A0.1 GENERAL NOTES & PROJECT DIRECTORY A0.2 CODE ANALYSIS ARCHITECTURAL (5) A1.1 DEMO AND NEW SITE PLAN A2.1 DEMOLITION AND FLOOR PLAN A8.1 DOOR, WINDOW, AND FINISH SCHEDULES A10.1 DETAILS A10.2 DETAILS STRUCTURAL (1) S1.1 ROOF FRAMING PLAN, NOTES, SECTIONS AND DETAILS	MECHANICAL, PLUMBING (10) MP0.1 MECHANICAL & PLUMBING NOTES & SYMBOLS MP0.2 MECHANICAL & PLUMBING SCHEDULES & CALCS MP1.1 MECHANICAL GROUND FLOOR PLAN MP1.2 MECHANICAL ROOF PLAN MP2.1 PLUMBING CW/HW/GAS GROUND FLOOR PLAN MP2.2 PLUMBING CW/HW/GAS ROOF PLAN MP3.1 PLUMBING SEWER / VENT GROUND FLOOR PLAN MP3.2 PLUMBING SEWER / VENT ROOF PLAN MP4.1 MECHANICAL & PLUMBING DETAILS MP5.1 MECHANICAL & PLUMBING TITLE 24 DOCUMENTATION ELECTRICAL (3) E0.1 ELECTRICAL COVER SHEET E0.2 TITLE 24 DOCUMENTS E2.1 ELECTRICAL LIGHTING AND POWER PLANS FIRE PROTECTION (2) FP0.1 FIRE PROTECTION NOTES, SYMBOLS, & DETAILS FP1.1 FIRE PROTECTION GROUND FLR. PLAN AND SECTION	

PROJECT DESCRIPTION	GENERAL INFORMATION / BLDG ANALYSIS	PROJECT TEAM	VICINITY MAP
THE PROJECT INCLUDES IMPROVEMENTS TO AN EXISTING SINGLE STORY POLICE DEPARTMENT BARRACKS BUILDING CONTAINING OFFICES, APPARATUS BAY, BUNK ROOMS, RESTROOMS, STORAGE, AND UTILITY SPACES. IMPROVEMENTS INCLUDE NEW DOORS AND HARDWARE, NEW WINDOWS WITH DOUBLE PANE GLAZING, RESTROOM IMPROVEMENTS, INTERIOR DEMOLITION, NEW NON-LOAD BEARING PARTITION WALLS, AND MECH. / ELECT. UPGRADES.	PROJECT OWNER: CITY OF SAN MATEO TOTAL SQUARE FOOTAGE OF BUILDING: 2,896 SF CONDITIONED FLOOR AREA: SEE MECHANICAL DRAWINGS ELECTRICAL SERVICE EQUIPMENT SIZE: SEE ELECTRICAL DRAWINGS TYPE OF CONSTRUCTION: VB - SPRINKLERED ALLOWABLE AREA INCREASE CALCULATIONS: N/A SPECIAL INSPECTION REQUIREMENTS: N/A OCCUPANCE GROUP AND DIVISION: B, S-2, R-2 OCCUPANT LOAD CALCULATIONS: SEE A0.2 DEFERRED SUBMITTALS: FIRE SPRINKLERS KNOWN CHEMICALS AND HAZ. MATERIALS: NONE LIST OF PLUMBING FIXTURES: SEE PLUMBING DRAWINGS	ARCHITECT WLC ARCHITECTS, INC., BILL LOUIE, ARCHITECT, AIA 1110 IRON POINT RD. SUITE 200 FOLSOM, CA 95630 PHONE: 916-355-9922 MECHANICAL / PLUMBING / ELECTRICAL MK ENGINEERS, INC., STEVE KANG, P.E. 3450 3RD ST. SUITE 4B SAN FRANCISCO, CA 94124 PHONE: (9415) 282-3100 STRUCTURAL MLA STRUCTURAL ENGINEERS, INC., JOHN MANDSAGER, PRINCIPAL 1132 SUNCAST LN. #6 EL DORADO HILLS, CA 95762 PHONE: (916) 941-2425	

FLOOR PLAN



LEGEND

B OCCUPANCY: 1.2:1 SF
 R-2 OCCUPANCY: 356 SF
 S-2 OCCUPANCY: 1,269 SF

SAN MATEO PD BARRACKS
 2,896 S.F.

OCCUPANT LOAD BREAKDOWN

B OCCUPANCY: 3 OCCUPANTS
 R-2 OCCUPANCY: 6 OCCUPANTS
 S-2 OCCUPANCY: 10 OCCUPANTS
 TOTAL OCCUPANTS: 16 OCCUPANTS

CODE ANALYSIS LEGEND

AREA IDENTITY/CODE ANALYSIS

OFFICE = ROOM NAME
 B = OCCUPANCY GROUP
 28 = SPACE USE - REF SPACE USE SCHEDULE
 116 = FLOOR AREA - SQUARE FEET
 2 = OCCUPANT LOAD (CBC TABLE 1004.1.2)

NOTE:
 * INDICATES ACCESSORY USE AREA EXCLUDED FROM COMPUTING OCCUPANT LOAD OF BUILDING
 {10} = CUMULATED OCCUPANT LOAD

— PATH OF EGRESS - 20 = OCCUPANT LOAD
 - - - 1-HR FIRE PARTITION

NOTE: ALL DESIGNATED AREA OF SPACES ARE FOR THE USE OF THE AUTHORITY HAVING JURISDICTION ONLY AND ARE NOT TO BE USED FOR PROCUREMENT OR CONSTRUCTION PURPOSES.

FUNCTION OF SPACE / SPACE USE OCCUPANT LOAD SCHEDULE

NO	FUNCTION OF SPACE / SPACE USE	OCCUPANT LOAD FACTOR - NET SF / OCCUPANT
1	ASSEMBLY AREA - CONCENTRATED USE	7
2	ASSEMBLY AREA - LESS CONCENTRATED USE	15
3	ASSEMBLY AREA - STANDING SPACE	5
4	ASSEMBLY AREA (FIXED SEATS)	[] SEATS
5	MULTI-PURPOSE ROOM	7
6	LOBBY (ACCESSORY TO ASSEMBLY)	NOTE 2
7	LOBBY (ACCESSORY TO ASSEMBLY)	7
8	WAITING AREA	5
9	CONFERENCE ROOM	15
10	DINING ROOM	15
11	BREAK ROOM	15
12	GYMNASIUM (FLOOR AREA W/ OUT BLEACHERS)	15
13	GYMNASIUM (FLOOR AREA W/ BLEACHERS)	7
14	GYMNASIUM (BLEACHERS)	[] SEATS
15	LOUNGE	15
16	STAGE / PLATFORM	15
17	CLASSROOM	20
18	COURTROOM (NO FIXED SEATS)	40
19	EXERCISE ROOM	50
20	KITCHEN	200
21	LIBRARY READING ROOM	50
22	LIBRARY STACK AREA	100
23	LOCKER ROOM	50
24	NURSERIES FOR CHILDREN / DAY CARE	35
25	MECHANICAL EQUIPMENT ROOM	300
26	ELECTRICAL EQUIPMENT ROOM	100
27	GARAGE - PARKING	200
28	OFFICE	100
29	INDUSTRIAL AREAS	100
30	SWIMMING POOL (POOL AREA)	50
31	DORMITORY	1 PER BED
32	STORAGE	300
33	CUSTODIAL	100
34	TOILET / SHOWER ROOM	NOTE 2
35	CORRIDOR / STAIRWAY	NOTE 2
36	ALL OTHERS	100

BUILDING ANALYSIS

BUILDING SUMMARY

SAN MATEO PD BARRACKS

OCCUPANCY GROUP: B, SECTION 304.1
 R-2, SECTION 310.4
 S-2, SECTION 311.3

CONSTRUCTION TYPE: TYPE VB - SPRINKLERED (NON-SEPARATED)

NUMBER OF STORIES: 1

ACTUAL BLDG. HEIGHT: 25 FEET (APPROXIMATELY)

ALLOWABLE HEIGHT: 60 FEET (B, S, R-2 OCCUPANCY)
 TABLE NO. 504.4

ALLOWABLE AREA: 27,000 S.F. (B OCC. [SM-SPRINKLERED])
 21,000 S.F. (R-2 OCC. [SM-SPRINKLERED]) - MOST RESTR.
 40,500 S.F. (S-2 OCC. [SM-SPRINKLERED])

ACTUAL AREA: 1,271 S.F. (FOR B OCCUPANCY)
 356 S.F. (FOR R-2 OCCUPANCY)
 1,269 S.F. (FOR S-2 OCCUPANCY)
 2,896 S.F.

TOTAL: 2,896 < 21,000 S.F.

AREA JUSTIFICATION: 16

TOTAL OCCUPANTS: 16

MINIMUM EGRESS WIDTH (CBC SECTION 1005.1)

1. DOORS: # OCCUPANTS X 0.2 = EGRESS WIDTH

CODE ANALYSIS NOTES

1. THE CODE ANALYSIS IS BASED ON A NONSEPARATED OCCUPANCIES PER 2016 CBC, SECTION 508.3. NO SEPARATION IS REQUIRED BETWEEN OCCUPANCIES PER 2016 CBC, SECTION 508.3.3.

2. FIRE PARTITIONS ARE PROVIDED FOR THE WALLS SEPARATING SLEEPING UNITS IN THE SAME BUILDING AND WALLS SEPARATING DWELLING OR SLEEPING UNITS FROM OTHER OCCUPANCIES. B- AND S-2-CONTIGUOUS TO THEM PER 2016 CBC, SECTION 420.2 AND SECTION 508.3.3 EXCEPTION 2.

3. THERE WILL BE NO HAZARDOUS MATERIALS STORED OR USED WITHIN BUILDINGS THAT EXCEED 2016 CBC, TABLES 300.1.1 AND 300.1.2.

4. INTERIOR FINISH SHALL COMPLY WITH 2016 CBC, SECTION 903.1 FLAME SPREAD PROVISIONS.

EGRESS ANALYSIS
 BASED ON 2016 CBC, SECTION 1005.3.2.2

PROPOSED TOTAL OCCUPANTS: 16
 EGRESS WIDTH REQUIRED: 3.2 INCH (1)
 EGRESS WIDTH PROVIDED: 48 INCH MIN. WIDTH HALLWAYS
 36 INCH MIN. WIDTH DOORWAYS

1. EGRESS WIDTH: 0.2 INCH PER OCCUPANT (2016 CBC, SECTION 1005.3.2.2)

2016 CBC SECTION 1004 OCCUPANT LOAD

1004.1 Design occupant load. In determining means of egress requirements, the number of occupants for whom means of egress facilities shall be provided shall be determined in accordance with this section.

1004.1.1 Cumulative occupant loads. Where the path of egress travel includes intervening rooms, areas or spaces, cumulative occupant loads shall be determined in accordance with this section.

1004.1.1.1 Intervening spaces or accessory areas. Where occupants egress from one or more rooms, areas or spaces through others, the design occupant load shall be the combined occupant load of interconnected accessory or intervening spaces. Design of egress path capacity shall be based on the cumulative portion of occupant loads of all rooms, areas or spaces to that point along the path of egress travel.

1004.1.1.2 Adjacent levels for mezzanines. That portion of occupant load of a mezzanine with all required egress through a room, area or space on an adjacent level shall be added to the occupant load of that room, area or space.

1004.1.1.3 Adjacent stories. Other than for the egress components designed for convergence in accordance with Section 1005.6, the occupant load from separate stories shall not be added.

1004.1.2 Areas without fixed seating. The number of occupants shall be computed at the rate of one occupant per unit of area as prescribed in Table 1004.1.2. For areas without fixed seating, the occupant load shall not be less than that number determined by dividing the floor area under consideration by the occupant load factor assigned to the function of the space as set forth in Table 1004.1.2. Where an intended function is not listed in Table 1004.1.2, the building official shall establish a function based on a listed function that most nearly resembles the intended function.

Exception: Where approved by the building official, the actual number of occupants for whom each occupied space, floor or building is designed, although less than those determined by calculation, shall be permitted to be used in the determination of the design occupant load.

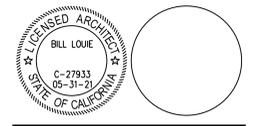
GENERAL NOTES

- OCCUPANT LOAD FACTORS ARE ACCORDING TO CBC SECTION 1004, TABLE NO. 1004.1.2
- ACCESSORY USE AREA EXCLUDED FROM OCCUPANT LOADING.

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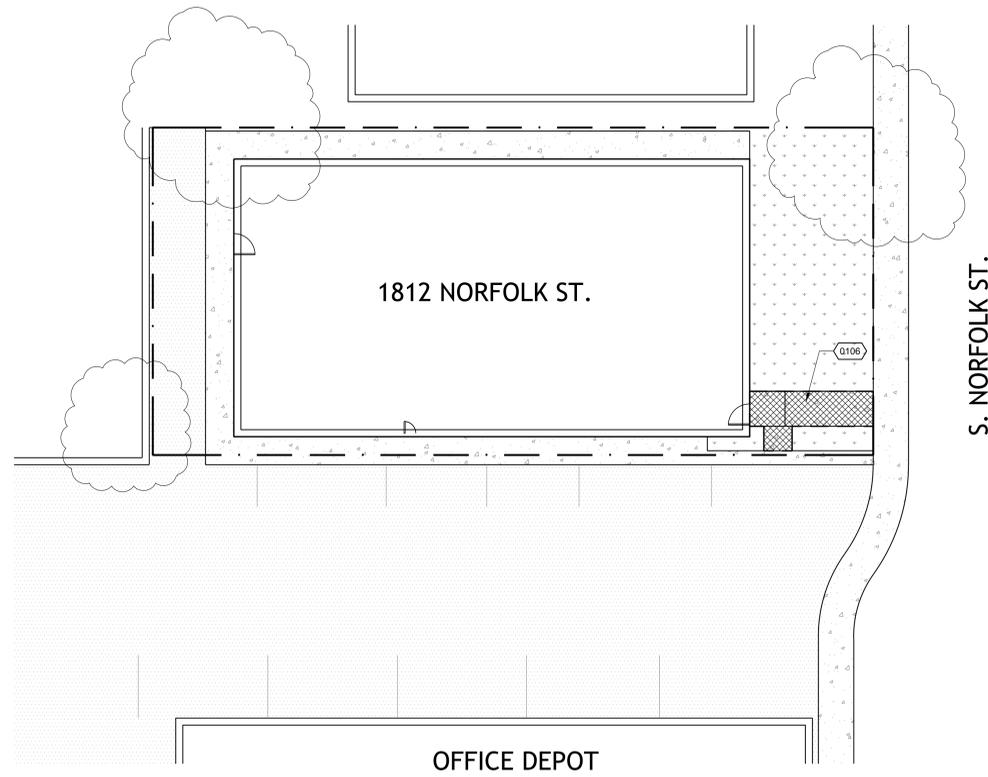
REVISION SCHEDULE

NO	DATE	BY	DESCRIPTION

DRAWN: AD CHECKED: BL
 DATE: 9/2/2019 SCALE:
 PROJECT NUMBER: 1914-00

CODE ANALYSIS

DRAWING NUMBER: **A0.2**



- 0000 PROPERTY LINE, TYP.
- 0102 (E) PARKING STALL STRIPING, TYP.
- 0105 (E) DRIVEWAY
- 0106 DEMO (E) CONCRETE PAVING
- 0107 (N) CONC. LANDING, MAX. 2% SLOPE IN ALL DIRECTIONS
- 0108 (N) NON-ADA CONCRETE PAVING SLOPE TO MEET (E) SIDEWALK
- 0109 (N) CONCRETE PAVING SLOPE TO MEET (E) SIDEWALK, MAX. 5%

REFERENCE NOTES

- EXISTING STRUCTURES
- ASPHALT PAVING
- CONCRETE PAVING
- LANDSCAPED AREAS
- TREES TO REMAIN
- NEW ACCESSIBLE PATH OF TRAVEL

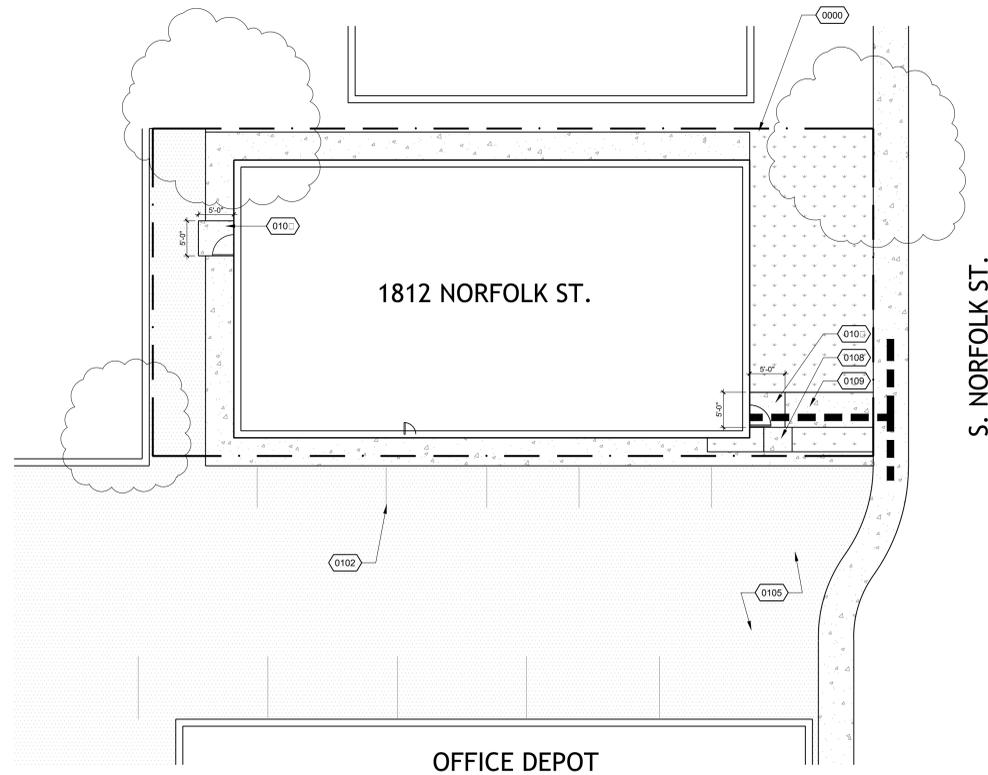


DEMO SITE PLAN

1" = 10'-0"

1

LEGEND



NEW SITE PLAN

1" = 10'-0"

2

GENERAL NOTES



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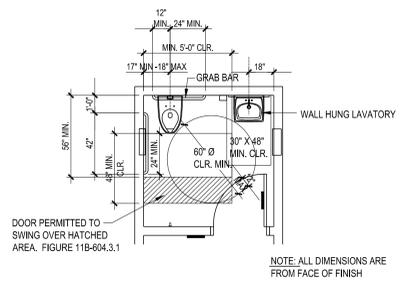
REVISION SCHEDULE			
NO.	DATE	BY	DESCRIPTION

DRAWN: AD CHECKED: BL
 DATE: 9/27/2019 SCALE: 1/8" = 1'-0"
 PROJECT NUMBER: 1914.D0

DEMO AND NEW SITE PLAN

DRAWING NUMBER: A1.1

REF. NO.	MODEL NUMBER	DESCRIPTION	QUANTITY
1029	BOERCKER 5-1017	ROCK HOOK	2
1042	BOERCKER 5-1021	WIPROX 18" X 24" MIN. GRAB BAR (TOILET)	2
1047	BOERCKER 5-1022	TRIO WALL 18" X 24" MIN. GRAB BAR (TOILET)	2
1050	BOERCKER 5-1044	RECESSED WASTE RECEPTACLE/TOWEL DISPENSER LARGE	2
1051	NUMBER 1 CLARK F-1003	SURFACE MOUNTED TOILET TISSUE DISPENSER	2
1052	NUMBER 1 CLARK S-505	SURFACE MOUNTED SEAT COVER DISPENSER	2
1054	BOERCKER 5-111	SURFACE MOUNTED SOAP DISPENSER	2



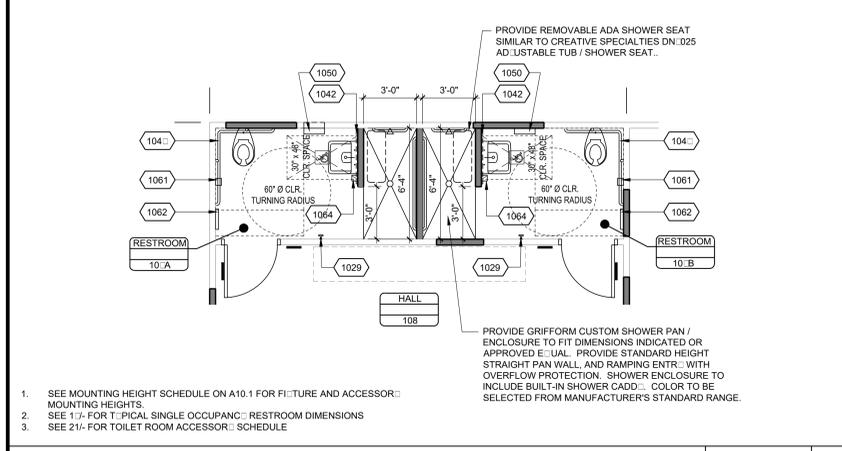
NOTE: REGARDLESS OF STALL CONFIGURATION, A 48" LONG MINIMUM CLEARANCE FLOOR SPACE SHALL BE PROVIDED IN FRONT OF THE WATER CLOSET.

NOTE: INTERIOR DIMENSIONS OF SINGLE ACCOMMODATION TOILET ROOMS SHALL INCLUDE A CLEAR FLOOR SPACE OF AT LEAST 60" IN DIAMETER OR A T-SHAPED TURNING SPACE. NO DOOR MAY ENCRUSH INTO THIS REQUIRED CLEAR SPACE. SIDE GRAB BARS IN SINGLE ACCOMMODATION TOILET ROOMS MUST BE INSTALLED SUCH THAT THE FRONT END OF THE BAR IS LOCATED 24" BEYOND TOILET

NOTE: THE GRAB BAR SHALL HAVE A GRIPPING SURFACE WITH A DIAMETER OF 1-1/4" TO 2" LOCATED WITH A SPACE BETWEEN THE WALL AND GRAB BAR OF 1-1/2"

- 0001 DEMO (E) DOOR AND FRAME, TYP.
- 0002 DEMO (E) WINDOW / GLAZING
- 0003 DEMO (E) RESTROOM FIXTURES AND EQUIPMENT, TYP.
- 0004 DEMO (E) WALL FINISH AND FRAMING, TYP.
- 0005 (E) WALL TO REMAIN - PATCH & PREP FOR PAINT
- 0006 DEMO (E) RESTROOM PARTITIONS

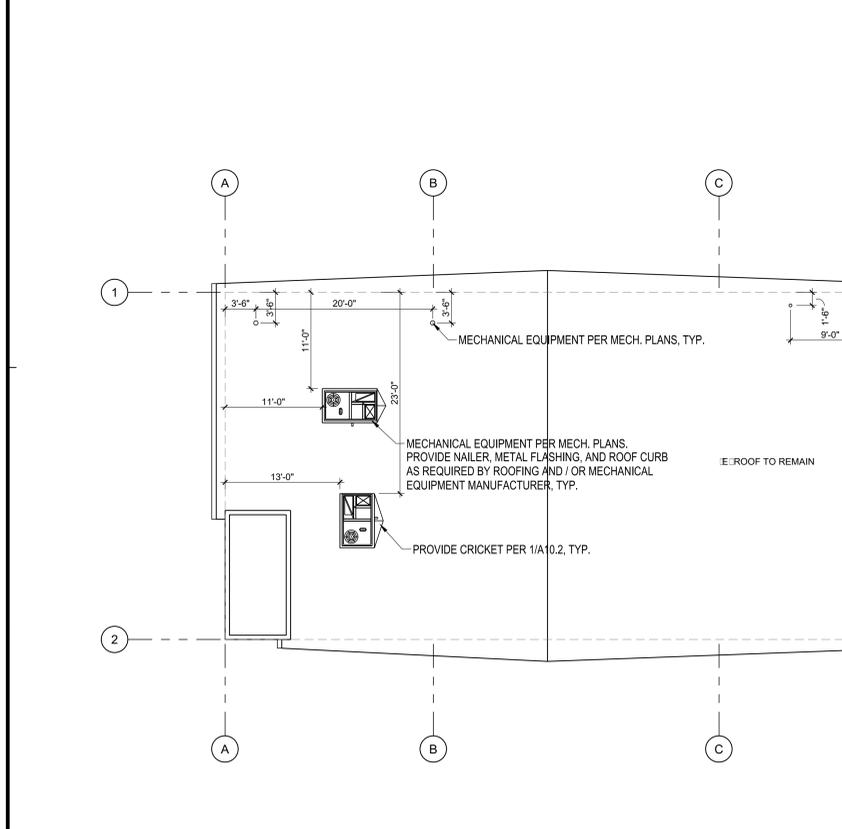
TOILET ROOM ACCESSORIES	N.T.S.	21	TYP. RR DIMENSIONS	NTS	1
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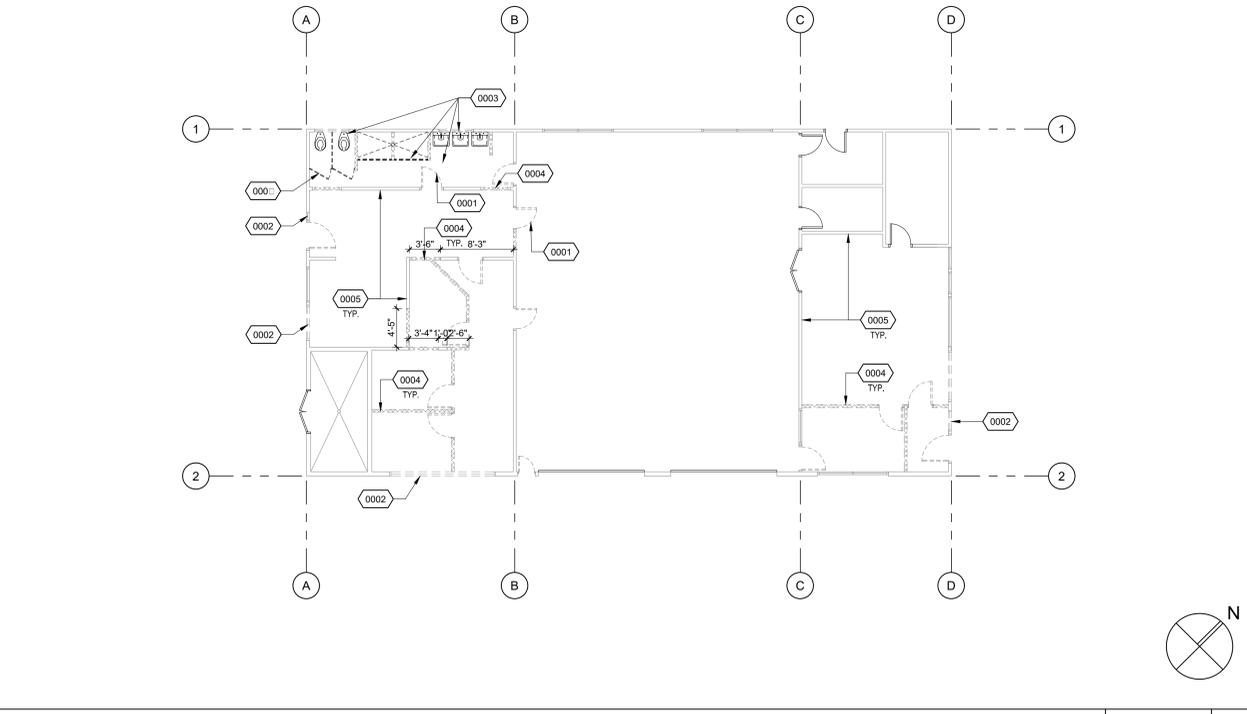
ENLARGED PLAN 1/4" = 1'-0" 18

NOTE: PATCH AND REPAIR EXISTING ROOF AS NEEDED TO INSTALL NEW MECHANICAL EQUIPMENT. STRUCTURAL ITEMS SHOWN ON DRAWINGS. MATCH EXISTING.

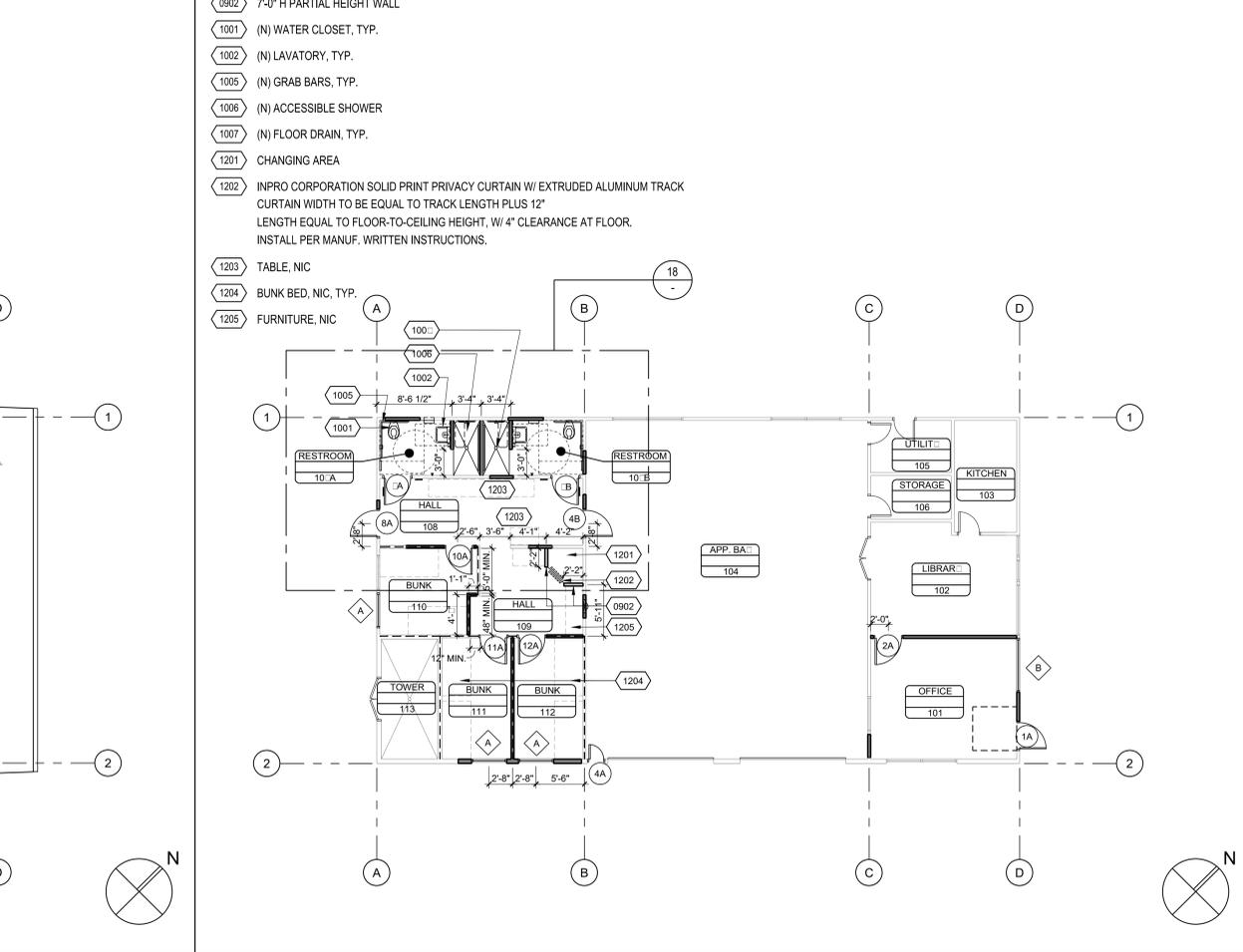
AREAS IN WHICH WORK IS DONE SHALL BE LEFT CLEAN AND IN GOOD REPAIR. ANY DAMAGE DONE TO EXISTING ROOF TO REMAIN BY THE CONTRACTOR, SUB-CONTRACTOR, OR THEIR EMPLOYEES SHALL BE REPAIRED TO THE SATISFACTION OF THE ARCHITECT AT NO COST TO THE OWNER.



ROOF PLAN 1/8" = 1'-0" 16



DEMOLITION PLAN 1/8" = 1'-0" 6



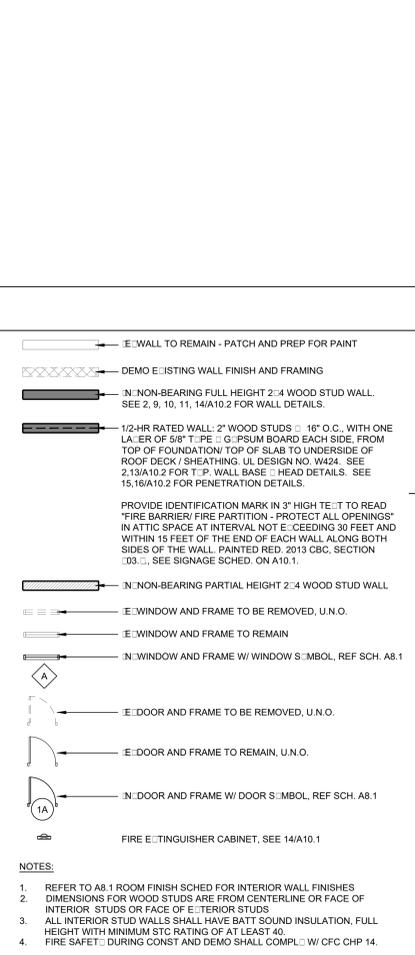
FLOOR PLAN 1/8" = 1'-0" 8

- REMOVE LOOSE VCT ONL... AND LEAVE ALL OTHERS IN-PLACE, CLEAN / PREP EXISTING TILE TO RECEIVE NEW CARPET TILE WHERE OCCURS.
- REMOVE WALLS INDICATED, CARPETING, WALL BASE, FRAMED RAISED PLATFORM, AND WALL WAINSCOT PANELING AT ALL AREAS AFFECTED BY NEW IMPROVEMENTS.
- AT AREAS SCHEDULED TO RECEIVE NEW FLOORING, VERIFY SURFACES ARE FLAT, SMOOTH AND READY TO RECEIVE NEW WORK. REMOVE SUBFLOOR RIDGES AND BUMPS, FILL LOW SPOTS, CRACKS, JOINTS, HOLES AND OTHER DEFECTS WITH SUBFLOOR FILLER AS NECESSARY. REMOVE CARPET GLUE WHERE OCCURS.
- REMOVE FRONT DOOR AND ADJACENT SIDE WINDOW INCLUDING ALL TRIM PIECES.
- SAWCUT AND REMOVE EXTERIOR CONCRETE PAVING ADJACENT TO FRONT ENTRANCE DOOR AS INDICATED ON SITE PLAN.
- ALL ITEMS INDICATED AS DASHED LINES DENOTE ITEMS TO BE REMOVED, UNLESS NOTED OTHERWISE.
- CONTRACTOR TO PATCH AND REPAIR TO MATCH ADJACENT SURFACE ALL AREAS INCLUDING CEILING WHERE DEMOLITION OF ITEMS ARE SCHEDULED IN PREPARATION FOR NEW WORK, TYP. UNLESS NOTED OTHERWISE.
- WHERE DEMOLITION OF EXTERIOR WALLS IS REQUIRED FOR WINDOW LOCATIONS, CAREFULLY SAWCUT / DEMOLISH WALL IN PREPARATION TO RECEIVE NEW WINDOW.
- CONTRACTOR TO CAP ALL EXPOSED LINES BELOW FLOOR OR BEHIND WALL IN ALL AREAS WHERE FINISHES ARE SCHEDULED FOR DEMOLITION, TYPICAL UNLESS NOTED OTHERWISE.
- REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR MECHANICAL AND ELECTRICAL REQUIREMENTS. REMOVE EXISTING AS REQUIRED AND RESTORE TO ORIGINAL OR SPECIFIED CONDITIONS.
- ALL DIMENSIONS ARE TO BE FIELD VERIFIED.
- WHERE ELECTRICAL OR MECHANICAL EQUIPMENT IS LOCATED ON WALLS SCHEDULED FOR DEMOLITION REMOVE AND RELOCATE TO ADJACENT WALL. REFER ALSO TO MECHANICAL AND ELECTRICAL DRAWINGS.
- CONTRACTOR TO COORDINATE DEMOLITION WITH WORK SHOWN ON MECHANICAL, PLUMBING AND ELECTRICAL DWGS. NOT ALL DEMOLITION FOR OTHER TRADES IS SHOWN ON THIS SHEET OR INDIVIDUAL CONSULTANT SHEETS. DEMOLITION IS TO BE SELECTIVE AND NEW FINISHES TO MATCH EITHER NEW SCHEDULED FINISHES OR MATCH EXISTING ADJACENT FINISHES. DEMOLITION OF FINISHES AND INSTALLATION OF NEW FINISHES IS REQUIRED WHERE DETAILS SHOW BLOCKING IN THE WALLS OR CEILINGS.
- AT ALL ROOMS WHERE WORK IS SCHEDULED, REMOVE WOOD PANELING WALL WAINSCOT, PATCH, LEVEL, AND PREP WALL SURFACE FOR NEW PAINT.

DEMO NOTES

- FURNISH AND INSTALL ALL NECESSARY REQUIRED ANCHOR BLOCKING OR BACKING OF ALL WALL AND CEILING MOUNTED EQUIPMENT PLUMBING FIXTURES, RESTROOM ACCESSORIES / PARTITIONS, FURNISHING UNITS AND PATCH EXISTING WALL AS REQUIRED.
- SEE PLUMBING AND ELECTRICAL DRAWINGS FOR EQUIPMENT LOCATION AND REQUIREMENTS FOR ROUGH-IN CONDITIONS.
- FOR DOOR AND FINISH SCHEDULE SEE SHEETS A8.1.
- ALL MATERIALS AND DEBRIS FROM AREA SHALL BE TAKEN TO A PUBLIC, COUNTY, OR CITY OPERATED DISPOSAL SITE.
- AREAS IN WHICH WORK IS DONE SHALL BE LEFT CLEAN AND IN GOOD REPAIR. ANY DAMAGE DONE TO EXISTING INTERIOR FINISHES TO REMAIN, FENCE, PAVING, LANDSCAPING OR BUILDING BY THE CONTRACTOR, SUB-CONTRACTOR, OR THEIR EMPLOYEES SHALL BE REPAIRED TO THE SATISFACTION OF THE ARCHITECT AT NO COST TO THE OWNER.
- REFER TO APPLICABLE SYMBOLS, LEGENDS, REFERENCE NOTES AND SCHEDULES FOR THE EXTENT OF THE WORK.
- SEE 1/A10.1 FOR SIGNAGE SCHEDULE
- SEE 2/A10.1 FOR DOOR ANCHORING
- SEE 1/A10.1 FOR DOOR MANEUVERING CLEARANCES
- CONTRACTOR MUST RE-USE AN EXISTING DUCTWORK OF THE APPROPRIATE SIZE. UP-SIZED DUCTWORK SHALL BE REPLACED.

GENERAL NOTES



WALL LEGEND

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NO.	DATE	BY	DESCRIPTION

REVISION SCHEDULE

NO.	DATE	BY	DESCRIPTION

DRAWN: AD CHECKED: BL
DATE: 9/27/2019 SCALE: 1/8" = 1'-0"
PROJECT NUMBER: 1914-D0

DEMOLITION AND FLOOR PLAN

DRAWING NUMBER: **A2.1**

DOOR AND FRAME SCHEDULE

LOCATION	DOOR MARK	DOOR								FRAME								REMARKS				
		NOMINAL SIZE			MTL	TYPE	GLASS	DETAIL	LOUVER		MTL	FINISH	TYPE	DETAILS					HW-GRUP	FIRE RATING	ROOM ID SIGN	
		WIDTH PER LEAF	HT	THK					W	HT				JAMB	HEAD	SILL	OTHER					
PD BARRACKS	1A	3'-0"	VIF	1-3/4"	HM	A	-	-	-	-	HM	PTD	1	7/1A10.2	7/1A10.2	8/1A10.2	-	HW-1	N/A	-		
	2A	3'-0"	7'-0"	1-3/4"	W	A	-	-	-	-	HM	PTD	1	5/1A10.2	6/1A10.2	12/1A10.2	-	HW-2	N/A	-		
	4A	VIF	VIF	1-3/4"	HM	A	-	-	-	-	HM	PTD	1	7/1A10.2	7/1A10.2	8/1A10.2	-	HW-3	N/A	-		
	4B	3'-0"	7'-0"	1-3/4"	W	A	-	-	-	-	HM	PTD	1	5/1A10.2	6/1A10.2	12/1A10.2	-	HW-5	N/A	-		
	7A	3'-0"	7'-0"	1-3/4"	W	A	-	-	-	-	HM	PTD	1	5/1A10.2	6/1A10.2	12/1A10.2	-	HW-4	N/A	-		
	7B	3'-0"	7'-0"	1-3/4"	W	A	-	-	-	-	HM	PTD	1	5/1A10.2	6/1A10.2	12/1A10.2	-	HW-4	N/A	-		
	8A	3'-0"	7'-0"	1-3/4"	HM	A	-	-	-	-	HM	PTD	1	7/1A10.2	7/1A10.2	8/1A10.2	-	HW-3	N/A	-		
	10A	3'-0"	7'-0"	1-3/4"	W	A	-	-	-	-	HM	PTD	1	5/1A10.2	6/1A10.2	12/1A10.2	-	HW-6	20	-		
	11A	3'-0"	7'-0"	1-3/4"	W	A	-	-	-	-	HM	PTD	1	5/1A10.2	6/1A10.2	12/1A10.2	-	HW-6	20	-		
	12A	3'-0"	7'-0"	1-3/4"	W	A	-	-	-	-	HM	PTD	1	5/1A10.2	6/1A10.2	12/1A10.2	-	HW-6	20	-		
		2	3a	3b	3c	4	5	6	7	8a	8b	9	10	11	12a	12b	12c	12d	13	14	15	16

DOOR TYPES

DOOR TYPE A

FRAME TYPES

FRAME TYPE 1

DOOR NOTES:

- HANDLES, PULLS, LATHES, LOCKS, AND OTHER OPERABLE PARTS ON DOORS AND GATES SHALL COMPLY WITH 119-309.4 OPERATION. OPERABLE PARTS OF SUCH HARDWARE SHALL BE 3/4 INCHES MINIMUM AND 44 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND, WHERE SLIDING DOORS ARE IN THE FULLY OPEN POSITION. OPERATING HARDWARE SHALL BE EXPOSED AND USEABLE FROM BOTH SIDES. (119-404.2.7)
- PROVIDE PENETRATION FLASHINGS AT ALL EXTERIOR OPENINGS.
- CONTRACTOR MAY PROPOSE ALTERNATIVE DOORS THAT MEET MINIMUM CODE REQUIREMENTS.

DOOR AND FRAME COLUMN REFERENCE GUIDE

- | | |
|--|---|
| <ol style="list-style-type: none"> LOCATION: LOCATION OF DOOR AND FRAME IN BUILDING COMPLEX, I.E., FIRST FLOOR, THIRD FLOOR, AREA NO.2, BUILDING G, ETC. DOOR MARK: SPECIFIC NUMBER ASSIGNED TO INDIVIDUAL DOOR. NOMINAL DOOR SIZE: DESIGNATES NOMINAL WIDTH AND HEIGHT OF DOOR IN FEET AND INCHES. DOOR WIDTH IS GIVEN PER LEAF. REFER TO FLOOR PLAN FOR PAIRS OF DOORS. THICKNESS OF DOOR IS GIVEN IN INCHES. DOOR MATERIAL: INDICATES MATERIAL FROM WHICH DOOR IS CONSTRUCTED I.E., HM-HOLLOW METAL, WD-WOOD, AL-ALUMINUM, TG - TEMPERED GLASS, LAM - LAMINATED GLASS, ETC. DOOR TYPE: ALPHANUMERICAL DESIGNATION OF DOOR TYPE AS SHOWN IN ELEVATION. DESIGNATIONS ARE DERIVED FROM THOSE IDENTIFIED BY THE STEEL DOOR INSTITUTE PUBLICATION SDI-106 I.E., F-FLUSH DOOR, HG-HALF GLASS DOOR, FG-FULL GLASS DOOR, NV-NARROW VISION LITE DOOR, ETC. GLASS: DESIGNATES TYPE OF GLASS TO BE USED IN DOOR, I.E., TGC- TEMPERED GLASS CLEAR, TGT-TEMPERED GLASS TINTED, WG-WIRE GLASS, LAM - LAMINATED GLASS, INSUL- INSULATED GLASS, ETC. DOOR DETAIL: REFERENCE NUMBER FOR DOOR CONSTRUCTION DETAIL SUCH AS DUTCH DOOR, SHELF, TRANSOM PANEL, ETC. DOOR LOUVER: INDICATES WIDTH AND HEIGHT OF LOUVER REQUIRED IN DOOR. LOUVER SIZE IS GIVEN IN FEET AND INCHES. FRAME MATERIAL: INDICATES MATERIAL FROM WHICH FRAME IS CONSTRUCTED, I.E., MET-METAL, WD-WOOD, AL-ALUMINUM, SST - STAINLESS STEEL, ETC. | <ol style="list-style-type: none"> FRAME TYPE: NUMERICAL DESIGNATION OF FRAME TYPE AS SHOWN IN FRAME TYPE ELEVATION. GLASS: DESIGNATES TYPE OF GLASS TO BE USED IN FRAME, I.E., TGC-TEMPERED GLASS CLEAR, TGT-TEMPERED GLASS TINTED, WG-WIRE GLASS, LAM-LAMINATED GLASS, INSUL-INSULATED GLASS, ETC. FRAME DETAILS: REFERENCE NUMBERS FOR FRAME SECTIONS AS CONDITIONS EXIST AT THE WALLS OR JAMBS OF DOORS WITH ANY UNUSUAL DETAILS REFERENCED UNDER SEPARATE HEADING 12d. HARDWARE GROUP: NUMERICAL DESIGNATION OF HARDWARE GROUPING TO BE APPLIED TO DOOR. REFER TO SPECIFICATIONS FOR DESCRIPTION OF HARDWARE CONTAINED WITHIN GROUPING. DOOR AND FRAME FIRE RATING: DESIGNATES ALPHABETICAL FIRE RESISTANCE RATING CLASSIFICATION LABEL REQUIRED FOR DOOR AND FRAME WITH TIME PERIOD REQUIRED IN HOURS. SIGNAGE SCHEDULE: DESIGNATES IF ROOM ID SIGN IS REQUIRED. REFER TO SIGNAGE SCHEDULE AND INDICATED SIGN DETAIL NUMBER ON DRAWING 10.1. REMARKS: DESIGNATES OR REFERENCES SPECIAL, UNUSUAL OR ABSTRACT CONDITIONS WHICH EXIST AND ARE NOT COVERED IN SCHEDULE ITEMS 1 THRU 15. REFER TO REMARKS REFERENCE SCHEDULE FOR NUMERICAL DESIGNATION. |
|--|---|

DOOR HARDWARE GROUPS

<p>HW-1 Each door to have</p> <table border="0"> <tr><td>3 HINGE</td><td>CB199 - 4.5 x 4.5 x NRP</td><td>630</td><td>STA</td></tr> <tr><td>1 EXIT DEVICE</td><td>AX-PA-LD-98EO</td><td>626</td><td>VON</td></tr> <tr><td>1 PUSHBUTTON TRIM</td><td>L1020S</td><td>626</td><td>SIM</td></tr> <tr><td>1 PERMANENT CORE</td><td>23430</td><td>626</td><td>SCH</td></tr> <tr><td>1 SURFACE CLOSER</td><td>4040XP-SCUSH x ST11596</td><td>689</td><td>LCN</td></tr> <tr><td>1 KICK PLATE</td><td>K0050 - 10 x 2 LDW x B4E</td><td>628</td><td>TRM</td></tr> <tr><td>1 SET DOOR SEALS</td><td>2893V HEAD & JAMBS</td><td>628</td><td>PEM</td></tr> <tr><td>1 DOOR BOTTOM</td><td>217PK</td><td>628</td><td>PEM</td></tr> <tr><td>1 THRESHOLD</td><td>PER SILL DETAIL</td><td>628</td><td>PEM</td></tr> </table> <p>Note: Install door seals before closer and rim strike Note: Adjust exit device backset to allow for jamb seal</p>	3 HINGE	CB199 - 4.5 x 4.5 x NRP	630	STA	1 EXIT DEVICE	AX-PA-LD-98EO	626	VON	1 PUSHBUTTON TRIM	L1020S	626	SIM	1 PERMANENT CORE	23430	626	SCH	1 SURFACE CLOSER	4040XP-SCUSH x ST11596	689	LCN	1 KICK PLATE	K0050 - 10 x 2 LDW x B4E	628	TRM	1 SET DOOR SEALS	2893V HEAD & JAMBS	628	PEM	1 DOOR BOTTOM	217PK	628	PEM	1 THRESHOLD	PER SILL DETAIL	628	PEM	<p>HW-5 Each door to have</p> <table border="0"> <tr><td>3 HINGE</td><td>CB168 - 5.0 x 4.5</td><td>652</td><td>STA</td></tr> <tr><td>1 PUSH PLATE</td><td>1001-9 - 6 x 16</td><td>630</td><td>TRM</td></tr> <tr><td>1 PULL PLATE</td><td>1014-3 - 4 x 16</td><td>630</td><td>TRM</td></tr> <tr><td>1 SURFACE CLOSER</td><td>4040XP-REG</td><td>689</td><td>LCN</td></tr> <tr><td>1 KICK PLATE</td><td>K0050 - 10 x 2 LDW x B4E</td><td>628</td><td>TRM</td></tr> <tr><td>1 WALL BUMPER</td><td>1270WV</td><td>630</td><td>TRM</td></tr> <tr><td>3 SILENCERS</td><td>1229A</td><td>630</td><td>GRY</td></tr> </table>	3 HINGE	CB168 - 5.0 x 4.5	652	STA	1 PUSH PLATE	1001-9 - 6 x 16	630	TRM	1 PULL PLATE	1014-3 - 4 x 16	630	TRM	1 SURFACE CLOSER	4040XP-REG	689	LCN	1 KICK PLATE	K0050 - 10 x 2 LDW x B4E	628	TRM	1 WALL BUMPER	1270WV	630	TRM	3 SILENCERS	1229A	630	GRY
3 HINGE	CB199 - 4.5 x 4.5 x NRP	630	STA																																																														
1 EXIT DEVICE	AX-PA-LD-98EO	626	VON																																																														
1 PUSHBUTTON TRIM	L1020S	626	SIM																																																														
1 PERMANENT CORE	23430	626	SCH																																																														
1 SURFACE CLOSER	4040XP-SCUSH x ST11596	689	LCN																																																														
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3 HINGE	CB168 - 5.0 x 4.5	652	STA																																																														
1 PUSH PLATE	1001-9 - 6 x 16	630	TRM																																																														
1 PULL PLATE	1014-3 - 4 x 16	630	TRM																																																														
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ROOM FINISH SCHEDULE

NUMBER	ROOM NAME	FLR MTL	BASE FINISH	WALL MATERIAL				CEILING		WAINSCOT		FINISHES			REMARKS
				1	2	3	4	MTL	HT	MTL	HT	FLOOR	WALLS	CEILING	
101	OFFICE	CPT	RB	GB1	GB1	GB1	GB1	N/A	N/A	N/A	N/A	FF	PTD	N/A	1
102	LIBRARY	CPT	RB	GB1	GB1	GB1	GB1	N/A	N/A	N/A	N/A	FF	PTD	N/A	1
103	KITCHEN	-	-	-	-	-	-	-	-	-	-	-	-	-	-
104	APP. BAY	-	-	-	-	-	-	-	-	-	-	-	-	-	-
105	UTILITY	-	-	-	-	-	-	-	-	-	-	-	-	-	-
106	STORAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-
107A	RESTROOM	VIN	VIN	GB1	GB1	GB1	GB1	GB1	GB1	GB1	GB1	FF	FF	PTD	-
107B	RESTROOM	VIN	VIN	GB1	GB1	GB1	GB1	GB1	GB1	GB1	GB1	FF	FF	PTD	-
108	HALL	CPT	RB	GB1	GB1	GB1	GB1	N/A	N/A	N/A	N/A	FF	FF	PTD	1
109	HALL	CPT	RB	GB1	GB1	GB1	GB1	N/A	N/A	N/A	N/A	FF	PTD	N/A	1
110	BUNK	CPT	RB	GB1	GB1	GB1	GB1	N/A	N/A	N/A	N/A	FF	PTD	N/A	1
111	BUNK	CPT	RB	GB1	GB1	GB1	GB1	N/A	N/A	N/A	N/A	FF	PTD	N/A	1
112	BUNK	CPT	RB	GB1	GB1	GB1	GB1	N/A	N/A	N/A	N/A	FF	PTD	N/A	1
113	TOWER	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	3	4	5	6a	6b	6c	6d	7a	7b	8a	8b	9a	9b	9c	10

FINISH SCHED. REMARKS:

- PATCH AND LEVEL WALL SURFACE AS NEEDED AND PREP FOR NEW TEXTURE AND PAINT

WINDOW SCHEDULE

SYMBOL	WINDOW SIZE	TYPE	LABEL	MIN. THICKNESS	GLAZING	FRAME	DETAILS				REMARKS
							HEAD	JAMB	SILL	OTHER	
A	4'-0" x 3'-4"	W1	A	1"	RG	FF	3/1A10.2	3/1A10.2	4/1A10.2	-	
B	SEE WINDOW T-PE	W2	A	1"	RG	FF	3/1A10.2	3/1A10.2	4/1A10.2	-	

WINDOW TYPES

NOTE:

- DIMENSIONS SHOWN ARE APPROXIMATE. VERIFY IN FIELD TO ALIGN SILL / HEAD / MULLION HEIGHTS WITH EXISTING WINDOWS TO REMAIN, T.P.
- PROVIDE WOOD TRIM AT EXTERIOR WINDOWS TO MATCH EXISTING WINDOWS TO REMAIN.
- CONTRACTOR MAY PROPOSE ALTERNATIVE WINDOWS AS LONG AS THEY MEET THE MINIMUM OPENING REQUIREMENTS.

PROPORTIONS TO MATCH EXISTING ADJACENT WINDOWS

WINDOW NOTES:

- PROVIDE PENETRATION FLASHINGS AT ALL EXTERIOR OPENINGS.
- COORDINATE ALL WINDOW SIZES WITH FIELD CONDITIONS BEFORE FABRICATION.

GLAZING TYPES:

TYPE A: TINTED, 1" THICK INSULATED GLAZING CONSISTING OF OUTER PANE - 1/4" THICK TEMPERED SOLARBAN 275 BY PPG INNER PANE - 1/4" THICK CLEAR TEMPERED WITH LOW E-COATING

MATERIAL / PRODUCT SCHEDULE

SYM.	MATERIAL / PRODUCT	DESCRIPTION	REMARKS
RB	4" RUBBER BASE	BURKE 4" RESILIENT TOP SET BASE	FF COLOR FROM MANUFACT. FULL RANGE
PTD	PAINTED FINISH	KELLY-MOORE PAINT COMPANY, COLOR TO BE SELECTED FROM FULL RANGE	MINIMUM TWO COATS IN ALL LOCATIONS
W	SOLID CORE WOOD DOOR	EGGERS INDUSTRIES, OR APPROVED EQUAL	FF COLOR FROM MANUFACT. FULL RANGE
HM	HOLLOW METAL DOOR FRAME		PRIMED, SITE PAINTED.
GB1	5/8" GYP BD W/ TEXTURE FIN/ SEMI-GLOSS PAINT (LEVEL 4)		
VIN	VINYL FLOORING W/ INTEGRAL COVE BASE	GC TO SUBMIT PRODUCT FOR APPROVAL	FF COLOR FROM MANUFACT. FULL RANGE
CPT	CARPET TILE	SHAW INDUSTRIES, INC. ECOWORK TILE, COLLECTION: NO RULES, PATTERN: DISPERSE	
RG	RESIDENTIAL GRADE WINDOW FRAME	GC TO SUBMIT PRODUCT FOR APPROVAL	COLOR TO MATCH (E) WINDOWS
OTHER ANNOTATIONS			
Y	YES		
F	FIXED		
FF	FACTORY FINISH		

CAL GREEN GENERAL NOTES

- FOR ALL ADHESIVES, SEALANTS, CAULKS, PAINTS, AND COATINGS, COMPLY WITH ALL CURRENT FEDERAL, STATE, AND LOCAL VOLATILE ORGANIC COMPOUND (VOC) REGULATIONS. SUBMIT MANUFACTURER'S CERTIFICATE THAT PRODUCTS SUPPLIED COMPLY WITH LOCAL REGULATIONS CONTROLLING THE USE OF VOC'S.
- ALL NEWLY INSTALLED CARPET, CARPET CUSHION, AND CARPET ADHESIVE IN THE BUILDING INTERIOR SHALL MEET THE TESTING AND PRODUCT REQUIREMENTS OF ONE OF THE STANDARDS LISTED IN CAL GREEN CODE SECTION 5.504.4.4
- NEWLY INSTALLED ARCHITECTURAL PAINTS AND COATINGS SHALL COMPLY WITH TABLE 5.504.4.3 IN DIVISION 5.5
- NEWLY INSTALLED HARDWOOD PLYWOOD, PARTICLEBOARD, AND MEDIUM DENSITY FIBERBOARD COMPOSITE WOOD PRODUCTS USED ON THE INTERIOR OR EXTERIOR OF THE BUILDING SHALL MEET THE REQUIREMENTS FOR FORMALDEHYDE AS SPECIFIED IN TABLE 5.504.4 IN DIVISION 5.5. VERIFICATION OF COMPLIANCE SHALL BE PROVIDED WHEN REQUESTED BY THE ENFORCING AGENCY.

ARCHITECTS

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SAN MATEO, CA 94403

REGISTERED ARCHITECT
BILL LOUIE
C-27933
05-31-20

CONSULTANT

NO	DATE	BY	DESCRIPTION

REVISION SCHEDULE

NO	DATE	BY	DESCRIPTION

DRAWN: AD CHECKED: BL
DATE: 9/2/2019 SCALE:
PROJECT NUMBER: 1914-00

DOOR, WINDOW AND FINISH SCHEDULES

DRAWING NUMBER: **A8.1**

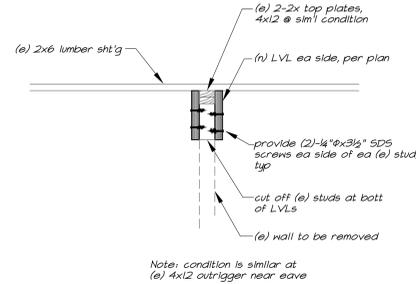
Nailing Schedule

Connection	Nailing
1. Joist to sill or girder	3-6d common, toenail 3-3"x0.131" nails, toenail
2. Sole plate to joist or blocking	3-16d common @ 16"cc 4-3"x0.131" nails @ 16"cc
3. Top plate to stud	2-16d common 3-3"x0.131" nails
4. Stud to sole plate	4-10d common, toenail 4-3"x0.131" nails, toenail
5. Double top plates btwn lap splices	16d common @ 12"cc 3-3"x0.131" nails @ 6"cc
6. Double top plates at lap splices	12-16d common, evenly spaced 16-3"x0.131" nails, evenly spaced
7. Built-up girders, beams, or multiple studs, joists and rafters (made up of multiple 2x members)	2 rows of 16d common @ 24"cc 2 rows of 3"x0.131" nails @ 16"cc
8. Blocking btwn joists or rafters	2-10d common, toenail each end to joist or rafter
9. Blocking btwn joists or rafters to top plate or beam	3-10d common, toenail 3-3"x0.131" nails, toenail
10. Rim joist to top plate	10d common toenail @ 6"cc 3"x0.131" nails, toenail @ 6"cc
11. Top plate intersections	2-16d common 3-3"x0.131" nails
12. Ceiling joists to top plate	3-10d common, toenail 5-3"x0.131" nails, toenail
13. Ceiling joist laps over partitions	3-16d common, minimum 4-3"x0.131" nails, minimum Also see CBC Table 230B.10.4.1
14. Ceiling joist to parallel rafters	3-16d common, minimum 4-3"x0.131" nails, minimum Also see CBC Table 230B.10.4.1
15. Rafter to top plate	3-10d common, toenail 4-3"x0.131" nails, toenail
16. Built-up corner studs	16d common @ 16"cc 3"x0.131" nails @ 12"cc
17. Collar tie to rafter	3-10d common
18. Jack rafter to hip	3-10d common, toenail 4-3"x0.131" nails, toenail
19. Rafter to 2x ridge	3-16d common, toenail 5-3"x0.131" nails, toenail
20. Wood structural panel wall or floor sheathing	8d common @ 6"cc at edges and 8d common @ 12"cc in field

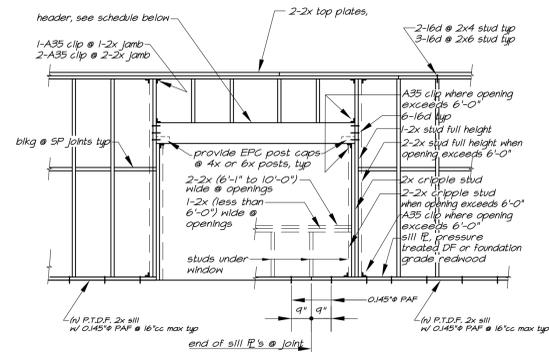
- Notes:**
- This nailing schedule shall govern unless other connections are specifically detailed or noted otherwise.
 - Connections are "face nail" unless noted as toenail.
 - Holes shall be pre-drilled where necessary to prevent splitting.
 - Nailing not noted on plans or in this nailing schedule shall be a minimum of two nails at each contact, with 8d nails being used for 1" nominal material and 10d nails being used for 2" nominal material.

Demolition Notes

- Safety Notes:**
 - It is the Contractor's responsibility to comply with the pertinent sections as they apply to this project of the "Construction Safety Orders" issued by the State of California latest edition and all OSHA requirements.
 - The Structural Engineer and Owner do not accept any responsibility for the Contractor's failure to comply with these requirements.
- Shore or brace trusses, beams, columns, floors, and walls as required to maintain the stable integrity of the existing structure prior to demolition. It is the Contractor's sole responsibility to design and provide competent shoring and bracing for all loads imposed during and after demolition through completion of new construction.
- All dimensions given to and of the existing structure are approximate. Verify by field measurements the dimensions of the existing structure. Where actual conditions deviate from the details shown on the drawings, notify the Structural Engineer for instructions prior to proceeding with work.
- Demolition and removal of existing construction shall be made in such a manner as to avoid or minimize damage to adjacent construction.
- Extent of demolition is to be as indicated on plans, sections and details. Demolition is to include removal and disposal of all construction debris.

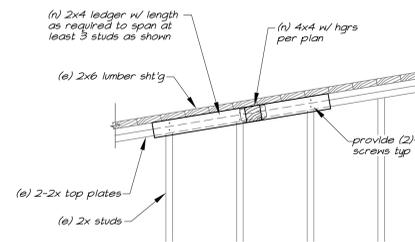


Section 1
1/8"=1'-0"

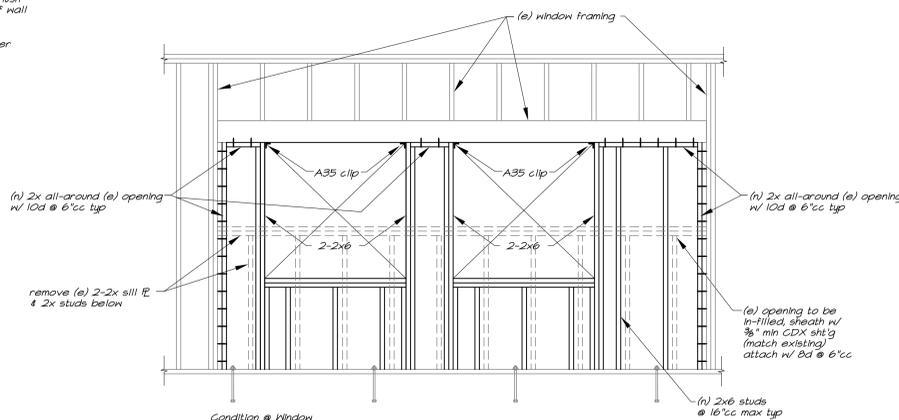


width of opening	header depth "d"	brng wall non-brng
0 to 4'-0"	6"	4"
4'-1" to 6'-0"	8"	6"
6'-1" to 10'-0"	10"	8"

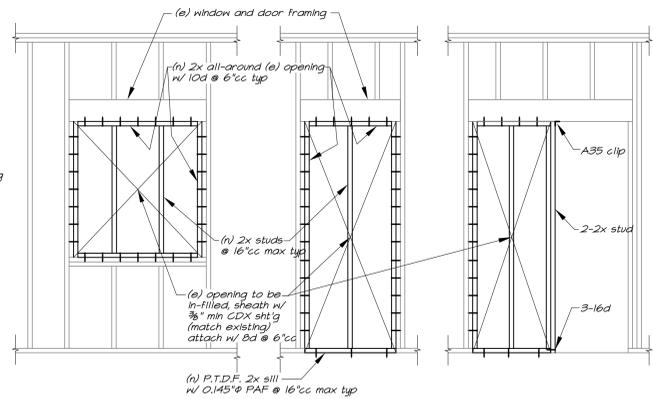
typ unless noted otherwise



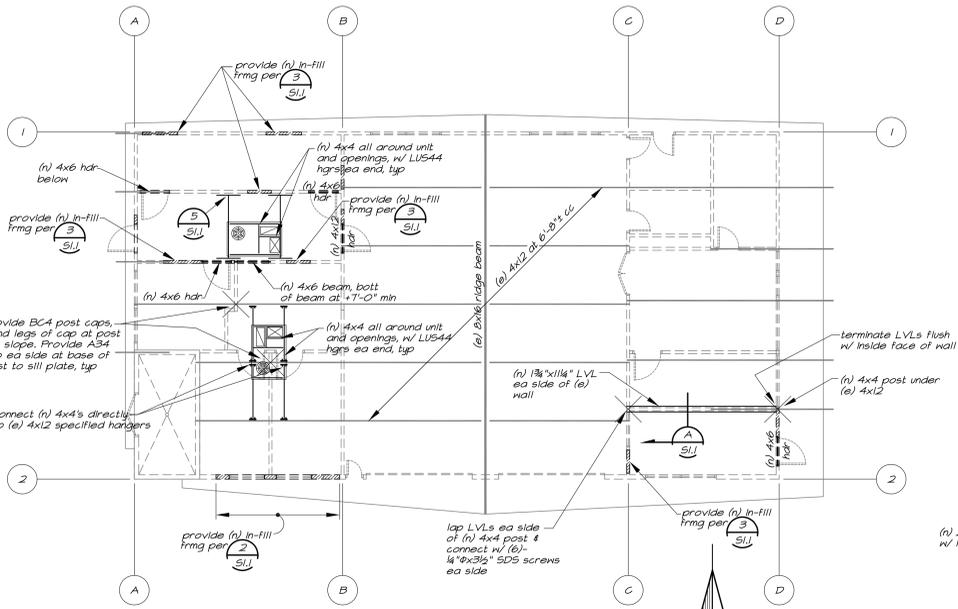
Detail 5
1/8"=1'-0"



Detail 2
1/8"=1'-0"



Detail 3
1/8"=1'-0"



Roof Framing Plan

Roof Framing Plan Notes:

- Coordinate all dimensions with architectural drawings. Notify Architect of any discrepancies for resolution prior to proceeding.
- All new sawn lumber members shall be Douglas Fir, No. 2, typ unc.
- New laminated veneer lumber (LVL) members shall be Redbilt 2.0E, or equal.
- X indicates new Douglas Fir No. 1 posts typ unc.
- Frame (n) door openings w/full ht jamb studs per 4 typ unc.

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REGISTERED ARCHITECT
Bill Louie
C-27933
06-31-21
STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER
John M. Mandstager
No. 3824
Exp. 09/30/20
STRUCTURAL
STATE OF CALIFORNIA

CONSULTANT
MLA
STRUCTURAL ENGINEERS INC
1132 Suncast Lane, Suite 6
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fax: (916) 941-2429

NO	DATE	BY	DESCRIPTION

DRAWN:	CHECKED:
DATE: 09/27/2019	SCALE:
PROJECT NUMBER: 1914700	

Roof Framing Plan, Notes, Sections and Details

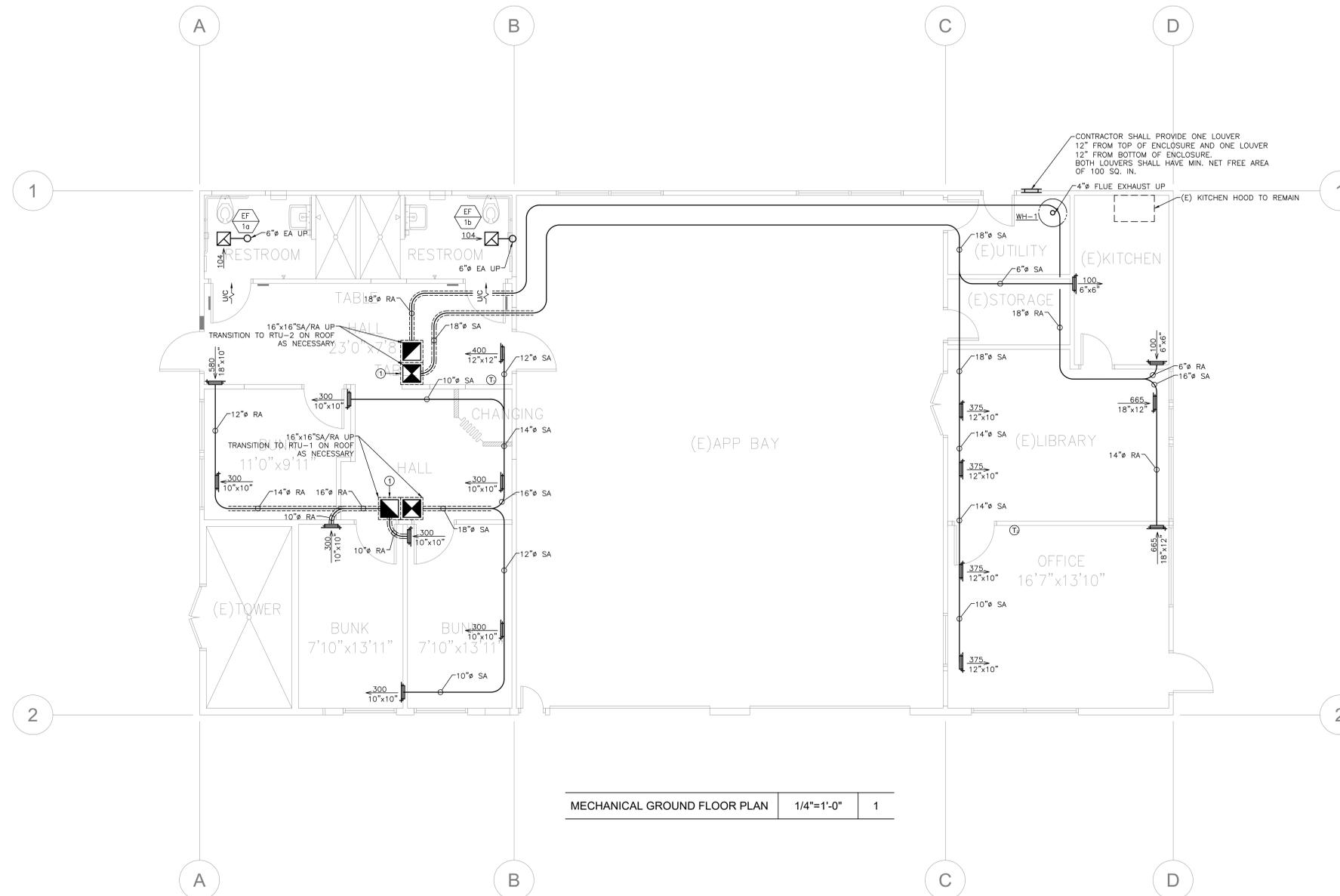
DRAWING NUMBER: **S1.1**

GENERAL NOTES :

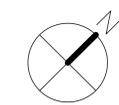
1. MECHANICAL CONTRACTOR SHALL, AT THE DISCRETION OF THE OWNER, VERIFY THE CONDITION OF EXISTING DUCTWORK AND REUSE IF POSSIBLE. REUSED DUCTWORK SHALL BE CLEAN, OF APPROPRIATE SIZE, WITHOUT DAMAGES, ETC.

SHEET NOTES :

① LINED DUCTWORK SHALL BE MINIMUM 1" ACOUSTICAL FIBERGLASS DUCT LINER. DUCT DIMENSIONS SHOWN ON PLANS ARE FINISHED INSIDE DIMENSIONS. (TYP.)



MECHANICAL GROUND FLOOR PLAN 1/4"=1'-0" 1



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REVISION SCHEDULE			
NO.	DATE	BY	DESCRIPTION
08/01/19		DD	SET
09/26/19			PERMIT SET

DRAWN: AB CHECKED: SK
 DATE: 8/1/2019 SCALE: AS NOTED
 PROJECT NUMBER: 19082

MECHANICAL
 GROUND FLOOR PLAN

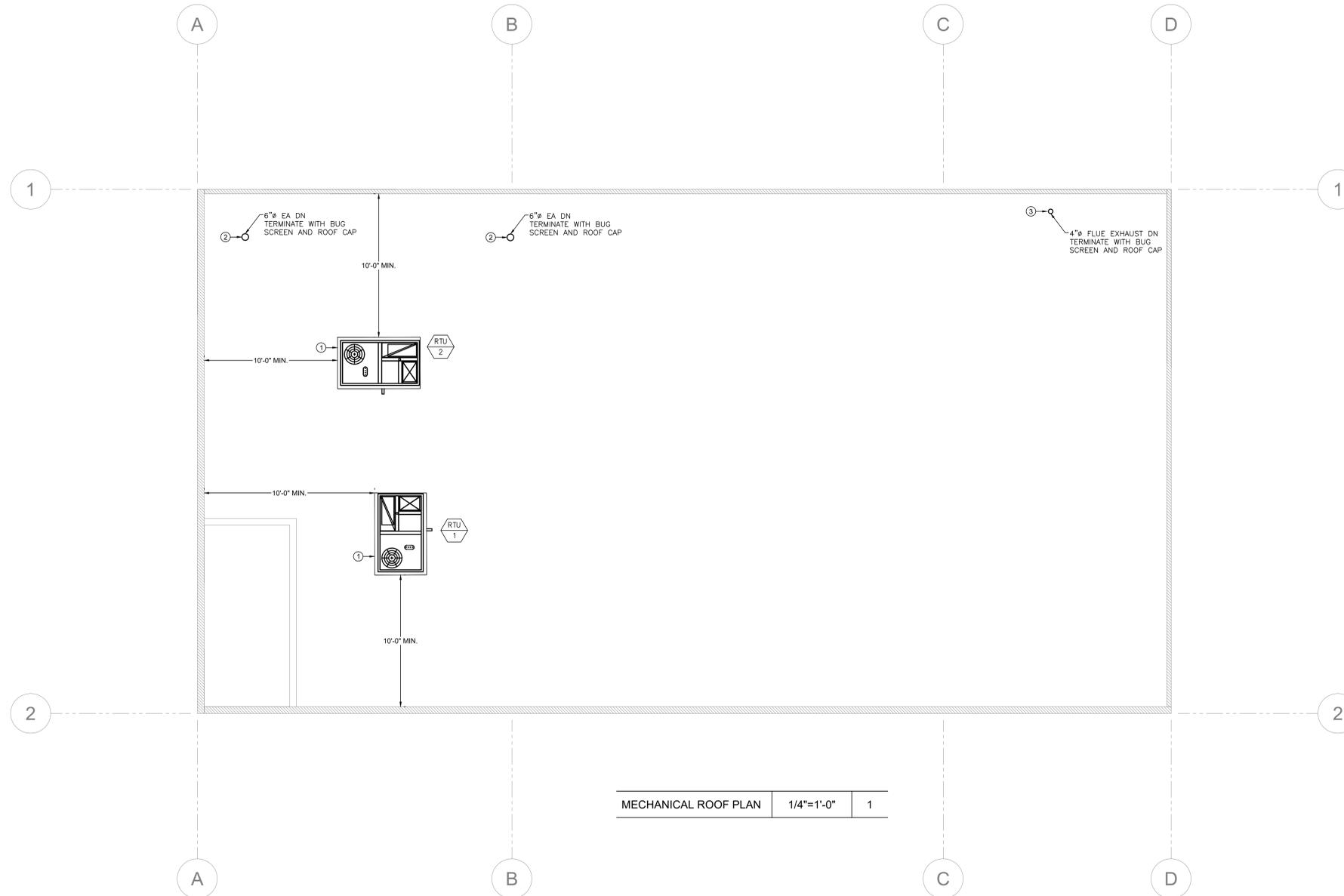
DRAWING NUMBER: **MP1.1**

GENERAL NOTES :

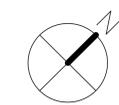
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SHEET NOTES :

- ① AIR INTAKES SHALL HAVE MINIMUM 10 FEET OF CLEARANCE FROM EXHAUST DISCHARGE, FLUES, PLUMBING VENTS, ETC. (TYP.)
- ② ENVIRONMENTAL EXHAUST DISCHARGE SHALL TERMINATE NOT LESS THAN 3 FEET FROM PROPERTY LINES, 10 FEET FROM FORCED AIR INTAKES, 3 FEET FROM OPENINGS INTO THE BUILDING, ETC. (TYP.)
- ③ COMPLY WITH MANUFACTURERS SPECIFICATIONS FOR CLEARANCE REQUIREMENTS



MECHANICAL ROOF PLAN 1/4"=1'-0" 1



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REVISION SCHEDULE			
NO.	DATE	BY	DESCRIPTION
08/01/19			DD SET
09/26/19			PERMIT SET

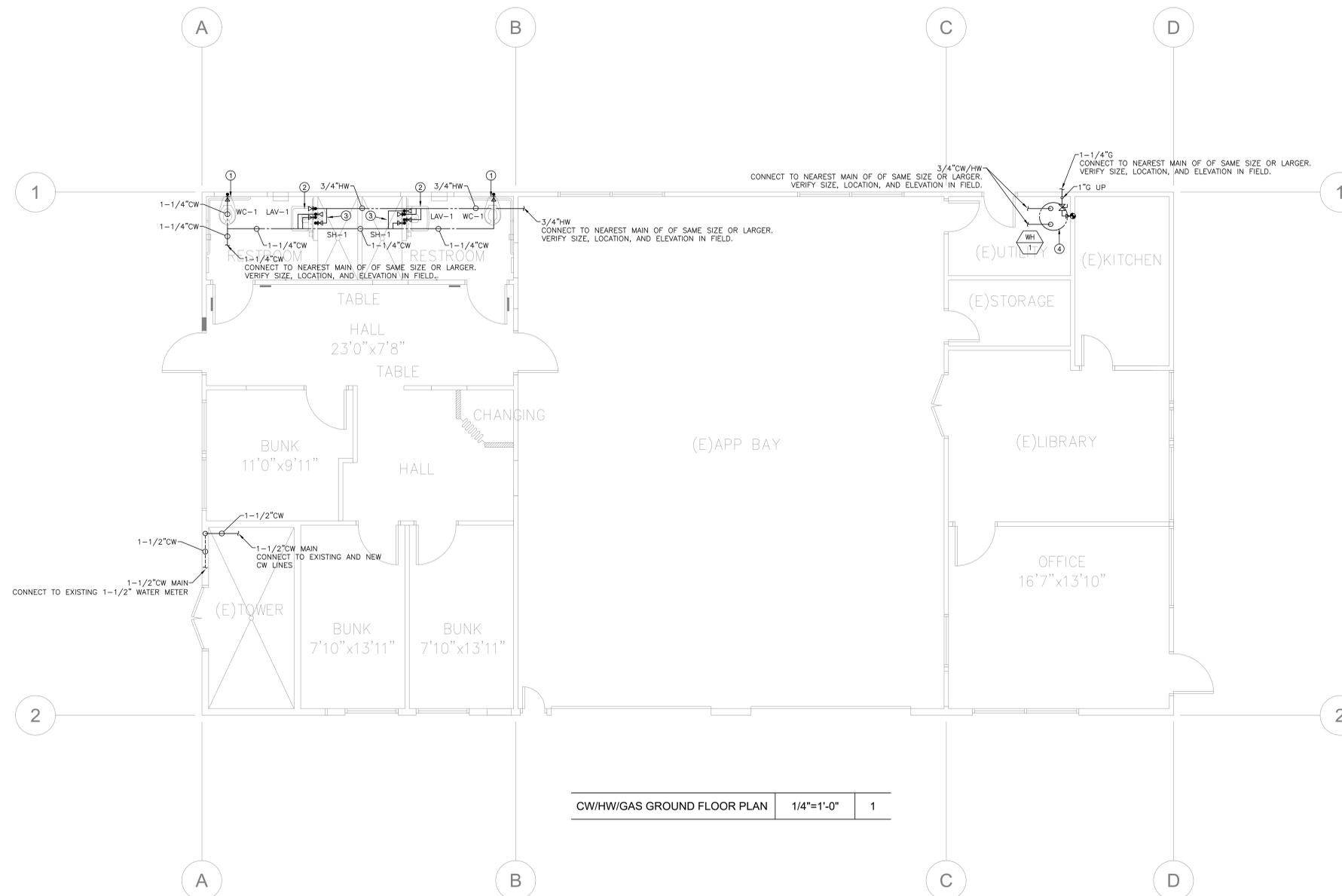
DRAWN: AB CHECKED: SK
 DATE: 8/1/2019 SCALE: AS NOTED
 PROJECT NUMBER: 19082

MECHANICAL
 ROOF PLAN

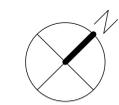
DRAWING NUMBER: **MP1.2**

SHEET NOTES :

- ① PROVIDE AND CONNECT 1-1/4" CW, 4" S, AND 2" V TO WATER CLOSET
- ② PROVIDE AND CONNECT 1/2" CW/HW, 2" S, AND 1-1/2" V TO LAVATORY
- ③ PROVIDE AND CONNECT 1/2" CW/HW, 2" S, AND 1-1/2" V TO SHOWER
- ④ PROVIDE AND CONNECT 3/4" CW/HW AND 3/4" G TO WATER HEATER



CW/HW/GAS GROUND FLOOR PLAN 1/4"=1'-0" 1



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DRAWN: AB CHECKED: SK
DATE: 8/1/2019 SCALE: AS NOTED
PROJECT NUMBER: 19082

PLUMBING
CW/HW/GAS
GROUND FLOOR PLAN

DRAWING NUMBER: **MP2.1**

ELECTRICAL SYMBOL LIST

ALL SYMBOLS SHOWN IN SYMBOL LIST MAY NOT BE APPLICABLE TO SCOPE OF WORK SHOWN ON ACCOMPANIED LIGHTING AND POWER PLANS.

SWITCHES AND RECEPTACLES

\$	SINGLE POLE SWITCH	2 = DOUBLE POLE SWITCH	3 = THREE-WAY SWITCH
	D	THRU 2 (LOWERCASE) = LUMINAIRE CONTROL DESIGNATION	
	D	= DIMMER	
	M	= MANUAL MOTOR STARTER WITH THERMAL OVERLOAD	
	W	= WEATHER PROOF SWITCH	
☒	WALL MOUNTED OCCUPANCY SENSOR/SWITCH	S = PASSIVE INFRARED WITH INTEGRAL "OFF" SWITCH	T = DUAL RELAY PASSIVE INFRARED WITH TWO INTEGRAL "OFF" SWITCH
☒	CEILING MOUNTED OCCUPANCY SENSOR/SWITCH		
⊕	DUPLEX RECEPTACLE	C = CIRCUIT CONTROLLED BY ROOM OCCUPANCY SENSOR	S = SPLIT WIRED
		T = TAMPER RESISTANT COVER	U = COMBO RECEPTACLE AND USB CHARGER
		W = WEATHER PROOF CONTINUOUS COVER AND GFCI PROTECTED	
⊕	DOUBLE DUPLEX RECEPTACLE - GROUND FAULT CIRCUIT INTERRUPTER (GFCI)		
⊕	DUPLEX RECEPTACLE - GROUND FAULT CIRCUIT INTERRUPTER (GFCI)		
⊕	DOUBLE DUPLEX RECEPTACLE - ABOVE COUNTER W/GROUND FAULT CIRCUIT INTERRUPTER		
⊕	DUPLEX RECEPTACLE - ABOVE COUNTER W/GROUND FAULT CIRCUIT INTERRUPTER		
⊕	WALL MOUNTED RECEPTACLE. REFER TO PLANS FOR NEMA CONFIGURATION.		
⊕	NON-FUSED DISCONNECT SWITCH		
⊕	HEAVY DUTY FUSED DISCONNECT SWITCH		
⊕	MOTOR CONNECTION		
⊕	JUNCTION BOX		

MISCELLANEOUS

☒	BRANCH PANEL
#10 B-27.29	BRANCH CIRCUIT WIRING. ARROW INDICATES HOME RUN TO PANEL WITH CIRCUITS AS NOTED. WIRE SIZE IS #12 AWG MINIMUM UNLESS NOTED OTHERWISE. SHORT TICK MARKS INDICATE PHASE CONDUCTORS. LONG TICK MARKS INDICATE NEUTRAL CONDUCTORS.
☒	CONDUIT CONCEALED IN WALL OR CEILING SPACE
⊕	SHEET KEYNOTE
(XX-#)	MECHANICAL EQUIPMENT TAG - REFER TO MP SHEETS
(XX-#)	KITCHEN EQUIPMENT TAG - REFER TO A SHEETS
⊕	CEILING MOUNTED SMOKE DETECTOR
⊕	CO = WITH CARBON MONOXIDE DETECTION

LUMINAIRE SCHEDULE

TYPE F1	DESCRIPTION:	NOMINAL 4" LENSED LED STRIP LIGHT; CHAIN HUNG
	HOUSING:	STEEL
	LENS:	POLYMER
	BALLAST/DRIVER:	INTEGRAL DIMMABLE LED DRIVER
	LAMP/LUMENS:	LED 3500K / 4000 LUMENS
	INPUT WATTS:	39
	VOLTAGE:	120V
	MANUFACTURER:	METALLUX OR APPROVED EQUAL
	MODEL:	4WPLD4035C
	NOTES:	PROVIDE STEM OR CHAIN HUNG MOUNTING ACCESSORIES

KITCHEN AND MECHANICAL/PLUMBING EQUIPMENT

ITEM NUMBER	DESCRIPTION	ELECTRICAL LOAD DATA				AMPS x1.25 (MCA)	OVERCURRENT PROTECTION (VOLTS)	# OF PHASES	SERVICE	REMARKS
		EQPT. TAG	HP	WATTS	AMPS					
RTU-1	ROOF TOP AC UNIT	RTU-1	-	-	-	-	#N/A	208	1	HARDWIRED
RTU-2	ROOF TOP AC UNIT	RTU-2	-	-	-	-	#N/A	208	1	HARDWIRED
EF-1	BATHROOM EXHAUST FAN (QTY. 2)	EF-1	-	21	0.2	0.2	20	115	1	HARDWIRED
WH-1	GAS WATER HEATER	WH-1	-	60	0.5	0.6	20	120	1	HARDWIRED

LIGHTING

☒	RECESSED 2' X 4' LUMINAIRE
☒	RECESSED 2' X 2' LUMINAIRE
☒	RECESSED MOUNTED LED DOWNLIGHT
☒	SURFACE MOUNTED LED DOWNLIGHT
☒	RECESSED MOUNTED WALL WASHER
☒	DECORATIVE PENDANT
☒	TRACK LIGHT
☒	EMERGENCY LIGHTING
☒	EXIT SIGN, ARROW(S) INDICATES DIRECTION IF SHOWN
☒	WALL SCONCE
☒	STRIP LIGHT
☒	LED STRIP LIGHT/TAPE - REFER TO LUMINAIRE SCHEDULE FOR LENGTH
☒	FIXTURE NOMENCLATURE
☒	A = UNDERLINE LETTER FIXTURE TYPE
☒	# = CIRCUIT NUMBER

ABBREVIATIONS

A	AMPERES, AMBER	M	MOTOR
AC	ALTERNATING CURRENT, AIR CONDITIONER	MIN	MINIMUM
AFF	ABOVE FINISHED FLOOR AVAILABLE INTERRUPTING CAPACITY	MOC	MAXIMUM OVERCURRENT PROTECTION
AIC	ABOVE FINISHED FLOOR AVAILABLE INTERRUPTING CAPACITY	N	NEUTRAL
BC	BARE COPPER	(N)	NEW
C	CONDUIT, CLOSE, CONTROL CIRCUIT BREAKER	N.I.C.	NOT IN CONTRACT
CB	COPPER	OS	OCCUPANCY SENSOR
CJ	EXISTING	PH	PHASE
(E)	EXISTING ELECTRICAL METALLIC TUBING	PNL	PANEL
EMT	ELECTRICAL METALLIC TUBING	PWR	POWER
FA	FIRE ALARM	(R)	REMOVE
FACP	FIRE ALARM CONTROL PANEL	(RL)	RELOCATE
GFI, GFCI	GROUND FAULT INTERRUPTER	TYP	TYPICAL
G, GND	GROUND	UL	UNDERWRITERS LABORATORIES
KVA	KILOVOLT AMPERES	UON	UNLESS OTHERWISE NOTED
KW	KILOWATT	V	VOLTS, VOLTAGE
		W	WIRE, WHITE
		WP	WATERPROOF

GENERAL ELECTRICAL NOTES

- ALL WORK IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE 2016 CEC (BASED ON THE 2014 NEC) & 2016 CALIFORNIA ENERGY CODE AND LOCAL ORDINANCES.
- THE DRAWINGS REPRESENT FINISHED SYSTEMS COMPLETE AND READY FOR USE. ANCILLARY DEVICES, WIRING, RACEWAY, CONNECTIONS AND SIMILAR WORK ALTHOUGH NOT EXPLICITLY STATED BUT REQUIRED FOR PROPER SYSTEM OPERATION OR TO COMPLY WITH CODE ARE TO BE INCLUDED AS A REQUIREMENT OF THE CONTRACT WITHOUT ADDITIONAL COMPENSATION.
- ELECTRICAL DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL LOCATION AND ARRANGEMENT OF ELECTRICAL WORK. LAYOUT, ROUGH-IN, AND EXACT LOCATION OF ALL FIXTURES, DEVICES, AND OUTLETS ARE ALL SHOWN ON THE DRAWINGS AND ARE TO BE COORDINATED WITH FINAL ARCHITECTURAL ELEVATIONS AND ARRANGEMENT OF MECHANICAL EQUIPMENT.
- REFER TO DRAWINGS OF OTHER TRADES FOR COORDINATION OF ELECTRICAL CONSTRUCTION. THE LOCATION OF MECHANICAL EQUIPMENT IS SHOWN DIAGRAMMATICALLY. EXACT LOCATION TO BE FIELD DETERMINED. SEE SPECS FOR TRADE COORDINATION DRAWING SUBMITTAL REQUIREMENTS. DRAWINGS FOR LENGTHS AND LOCATIONS OF ALL EQUIPMENT TO BE INSTALLED UNDER ELECTRICAL CONTRACT.
- DO NOT COMMENCE INSTALLATION OF ELECTRICAL SYSTEMS AND EQUIPMENT WITHOUT RELATED SHOP DRAWING APPROVALS.
- PROVIDE UL LISTED FIRE RATED SEALS FOR ALL RACEWAY PENETRATIONS THROUGH FIRE RATED WALLS, SLABS, AND CEILINGS.
- COORDINATE ALL CONTROL SYSTEM DEVICES, WIRING, AND CONNECTIONS WITH REQUIREMENTS OF DRIVEN EQUIPMENT.
- PROVIDE SUITABLE ANCHORAGE AND SUPPORT OF ALL ELECTRICAL EQUIPMENT INCLUDING RATED WALLS, SLABS, AND CEILINGS. DEVICES AND RACEWAYS IN ACCORDANCE WITH ESTABLISHED CODES AND THE SPECIFICATIONS.
- EQUIPMENT AND DEVICES FURNISHED UNDER OTHER DIVISIONS OF THIS CONTRACT, BY THE OWNER, OR BY OTHER CONTRACTS, ARE TO BE CONNECTED UNDER THIS CONTRACT.
- OMISSIONS OR CONFLICTS BETWEEN VARIOUS ELEMENTS OF THE DRAWINGS, NOTES, AND DETAILS ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND BEFORE PROCEEDING WITH THE WORK.
- PROVIDE CONCEALED AND FLUSH MOUNTED INSTALLATION OF ALL DEVICES AND EQUIPMENT IN ALL AREAS U.O.N.
- PROVIDE SEPARATE EQUIPMENT GROUNDING CONDUCTOR IN ALL 120 VOLT MULTI-WIRE CIRCUITS.
- FOR 120 VOLT, 20 AMP CIRCUITS WHERE THE CIRCUIT DISTANCE FROM THE PANEL BOARD TO THE FARTHEST DEVICE/FIXTURE EXCEEDS 75 FEET, PROVIDE #10 SIZE CONDUCTOR.
- ALL ELECTRICAL CONDUIT IS TO BE RUN CONCEALED AND PARALLEL TO BUILDING LINES. ALL ELECTRICAL CONDUIT IS TO BE INSTALLED CONCEALED UNLESS PRIOR TO INSTALLATION OF ANY EXPOSED CONDUIT VERIFY WITH ARCHITECT.
- RECEPTACLE OUTLETS SHALL COMPLY WITH CEC SECTION 210.21(B).
- LIGHTS SWITCHES AND CONTROL MECHANISM SHALL COMPLY WITH CEC SECTION 404.
- DO NOT INSTALL ELECTRICAL BOXES IN RATED WALLS CLOSER THAN 24" HORIZONTALLY FROM EACH OTHER. OFFSET OUTLET BOXES SHOWN TO BE INSTALLED BACK-TO-BACK IN FIRE RATED WALLS AND PARTITIONS A MINIMUM OF 24" HORIZONTALLY.
- BRACE ALL ELECTRICAL EQUIPMENT TO RESIST A HORIZONTAL FORCE ACTING IN ANY DIRECTION. COMPLY WITH REQUIREMENTS OF TITLE 24, REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- ALL LIGHTING AND RECEPTACLE CIRCUITRY SHOWN ON THESE DRAWINGS SHALL CONTAIN THE REQUIRED CONDUCTORS. FOR EVERY GROUP OF TWO OR THREE CONSECUTIVE PHASE ORDER CIRCUITS, PROVIDE A DEDICATED NEUTRAL. FOR EXAMPLE, A HOMERUN COMPRISED OF CIRCUITS 1, 3, AND 5 CONTAINS FOUR (4) CONDUCTORS: THREE (3) HOTS AND ONE (1) NEUTRAL. A RUN COMPRISED OF NON-CONSECUTIVE NUMBERS OUT OF PHASE ORDER, I.E., 3, 4, AND 7 OR 1, 9, AND 11 SHALL CONTAIN FIVE CONDUCTORS: THREE (3) HOTS AND TWO (2) NEUTRALS. IN ALL CASES, AN EQUIPMENT GROUNDING CONDUCTOR SHALL BE PROVIDED IN ADDITION TO THE CURRENT-CARRYING CONDUCTORS. PROVIDE ALL CONDUCTORS REQUIRED FOR A COMPLETE OPERATIONAL SYSTEM.
- A COMPLETE SYSTEM OF CONDUCTORS SHALL BE INSTALLED IN THE RACEWAY SYSTEM THROUGHOUT THE BUILDING FOR ALL FEEDERS, BRANCH CIRCUITS, ETC.
- OCCUPANCY SENSOR NOTES:
 - THE SENSOR MUST HAVE A CLEAR "VIEW" OF THE OCCUPANTS. IF THE SENSOR WILL BE BLOCKED, THEN SUBSTITUTE SMALL-ROOM CEILING SENSOR.
 - SEE MANUFACTURER'S SPECIFICATION REGARDING PLACING SENSORS AWAY FROM STRONG AIR-FLOW. PRECISE LOCATION OF EACH CEILING SENSOR CAN BE INDICATED IF AIR SUPPLIES ARE INDICATED IN DRAWING.
 - THE FIRE ALARM SYSTEM WILL BE DEFERRED APPROVAL AND DESIGN BUILD. CONTRACTOR IS TO PROVIDE NEW FIRE ALARM SYSTEM COMPLIANT WITH NFPA 72, 2016 AND CALIFORNIA FIRE CODE, ARTICLE 10. IF EXISTING FIRE ALARM SYSTEM CANNOT BE EXPANDED AND IS NOT CFSM CERTIFIED, THE CONTRACTOR IS TO SUBMIT COMPLETE DRAWINGS TO THE FIRE MARSHALL FOR APPROVAL AND ASSUME FULL RESPONSIBILITY FOR THE SYSTEM. THIS INCLUDES DEVICE QUANTITY AND LOCATION, WIRING, PROGRAMMING AND CONTROL PANELS. COORDINATE FINAL DEVICE LOCATIONS WITH THE ARCHITECT PRIOR TO ROUGH-IN.
 - REFER TO N.E.C. 110.16 FOR ARC-FLASH PROTECTION REQUIREMENTS FOR ALL ELECTRICAL EQUIPMENT SUCH AS SWITCHBOARDS, PANEL BOARDS, INDUSTRIAL CONTROL PANELS, METER SOCKET ENCLOSURES MOTOR CONTROL CENTERS AND SWITCHGEARS. ALL ELECTRICAL EQUIPMENTS SHOULD BE LABELED AS CAUTION, WARNING OR DANGER PER CODE REQUIREMENTS.
 - ELECTRICAL EQUIPMENT SHALL BE LISTED BY A NATIONALLY RECOGNIZED ELECTRICAL TESTING LABORATORY OR APPROVED BY AUTHORITY HAVING JURISDICTION.

VOLTS (L-N)		120	NAME: (E)PANEL		BUS		100A										
VOLTS (L-L)		240	LOCATION: APP BAY		MAIN		MLO										
PHASE		1			MOUNT		RECESSED										
WIRE		3			FEED												
DESCRIPTION/LOCATION		A	B	#	T1	BRKR	P	CKT	PHASE	CKT	BRKR	P	#	T2	A	B	DESCRIPTION/LOCATION
LTG																	
REC / DORM BATH																	
LTG / BATH UTIL CLOSET, KITCHEN																	
REC /																	
LTG / TOWER, EXTERIOR																	
LTG / BEDROOMS, APP BAY																	
REC / DORM TOWER																	
REC / APP BAY																	
BAY DOOR OPENER																	
SUB-TOTALS																	
PHASE		KW	AMP	KVA	# NOTES:		#CKTS	T1/T2	TYPE	KW	D.F. (%)	KW DEMAND					
A:		-	-	-	1.		0	L	LTG./CONT.	0.00	125	0.00					
B:		-	-	-	2.		0	R	RECEPT.	0.00	10KW+50%	0.00					
TOTAL CONNECTED:		-	-	-	3.		0	H	HVAC	0.00	100	0.00					
TOTAL DEMAND		-	-	-			0	K	KITCHEN	0.00	70	0.00					
		-	-	-			0	M	MISC.	0.00	100	0.00					
		-	-	-					LARGEST MOTOR		25	0.00					
		-	-	-					TOTAL	0.00		0.00					
		-	-	-					OCCUPANCY TYPE (D,H,M,W,O):		O	(OTHERS)	0.00				

- NOTES:
- ALL CIRCUITS SHOWN ARE EXISTING TO REMAIN. REFER TO NEW WORK FOR RE-USE OF EXISTING CIRCUIT BREAKER(S) OR REPLACEMENT OF EXISTING CIRCUIT BREAKER(S).
 - ALL CIRCUIT BREAKER RATINGS WITH A "T" INDICATE AN EXISTING TANDEM STYLE CIRCUIT BREAKER. PLANS IDENTIFY "A" OR "B" SUFFIX AT END OF CIRCUIT NUMBER AS TOP OR BOTTOM OF BREAKER LOCATION, RESPECTIVELY.

PANEL SCHEDULE - DEMO

VOLTS (L-N)		120	NAME: (E)PANEL		BUS		100A										
VOLTS (L-L)		240	LOCATION: APP BAY		MAIN		MLO										
PHASE		1			MOUNT		RECESSED										
WIRE		3			FEED												
DESCRIPTION/LOCATION		A	B	#	T1	BRKR	P	CKT	PHASE	CKT	BRKR	P	#	T2	A	B	DESCRIPTION/LOCATION
LTG																	
IN/REC / BUNK ROOMS																	
LTG / BATH UTIL CLOSET, KITCHEN																	
IN/REC / BUNK ROOM HALLWAYS																	
LTG / TOWER, EXTERIOR																	
LTG / BEDROOMS, APP BAY																	
IN/RTU2 / ROOF																	
OVEN																	
SUB-TOTALS																	
PHASE		KW	AMP	KVA	# NOTES:		#CKTS	T1/T2	TYPE	KW	D.F. (%)	KW DEMAND					
A:		6.81	55.08		1. REPLACE (E)CIRCUIT BREAKER WITH AFCI BREAKER OF SAME RATING.		5	L	LTG./CONT.	0.00	125	0.00					
B:		8.91	74.25		2. REPLACE (2) 20A/1P, 120V CIRCUIT BREAKERS WITH 40A/2P, 240V CIRCUIT BREAKER.		5	R	RECEPT.	3.96	10KW+50%	3.96					
TOTAL CONNECTED:		15.52	64.67				4	H	HVAC	10.98	100	10.98					
TOTAL DEMAND		16.89	70.39				3	K	KITCHEN	0.18	100	0.18					
		-	-	-			3	M	MISC.	0.40	100	0.40					
		-	-	-					LARGEST MOTOR		25	1.37					
		-	-	-					TOTAL	15.52		16.89					
		-	-	-					OCCUPANCY TYPE (D,H,M,W,O):		O	(OTHERS)	16.89				

- NOTES:
- ALL CIRCUITS SHOWN WITH "(N)-" PREFIX SHALL REPLACE EXISTING CIRCUIT BREAKER(S). ALL OTHER CIRCUITS SHALL REMAIN IN PLACE AND IN OPERATION.
 - ONLY LOADS FOR NEWLY INSTALLED DEVICES OR FIXTURES SHOWN ON SCHEDULE.
 - SEMI-COLON BETWEEN CIRCUIT BREAKER DESCRIPTIONS INDICATE CONNECTION TO TOP OR BOTTOM OF (E)TANDEM STYLE CIRCUIT BREAKER. FOR EXAMPLE - CIRCUIT 8- "REC/LIBRARY; REC/TOWER" INDICATES TOP PORTION OF BREAKER IS FOR LIBRARY RECEPTACLES AND BOTTOM PORTION IS FOR TOWER RECEPTACLES.

PANEL SCHEDULE - NEW WORK

SCOPE OF WORK

PARTIAL INTERIOR REMODEL OF EXISTING BUILDING TO BE USED BY SAN MATEO PD PERSONNEL AS TEMPORARY BARRACKS.

RE-USE OF EXISTING PANEL RATED 100A, 120/240V, 1Ø, 3W WITH 2Ø SPACES FED FROM (E)100A, 2P FUSED DISCONNECT METERED BY P&E.

DRAWING LIST

E0.1	ELECTRICAL COVER SHEET
E0.2	TITLE 24 DOCUMENTS
E2.1	ELECTRICAL LIGHTING AND POWER PLANS

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REVISION SCHEDULE

NO	DATE	BY	DESCRIPTION
08/01/19			DD SET
09/26/19			PERMIT SET

DRAWN: ZC CHECKED: RS

DATE: 8/1/2019 SCALE:

PROJECT NUMBER: 19082

ELECTRICAL
COVER
SHEET

DRAWING NUMBER: E0.1

STATE OF CALIFORNIA
Indoor Lighting
 NRCC-LTI-E (Created 7/17)
 CALIFORNIA ENERGY COMMISSION
 NRCC-LTI-E

CERTIFICATE OF COMPLIANCE
 Project Name: SAN MATEO PD BARRACKS
 Project Address: 1812 S. NORFOLK STREET
 Report Page: Page 1 of 7
 Date Prepared: 9/26/19

A. GENERAL INFORMATION
 Table Instructions: Include any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.6(a) or §141.0(b)(2) for alterations. WARNING: Changing the Calculation Method in this table will result in the deletion of data previously input. If you need to change the calculation method, please open a new form or use "Save As".

01 Project Location (city)	SAN MATEO	04 Total Conditioned Floor Area (ft ²)	1,000
02 Climate Zone	3	05 Total Unconditioned Floor Area (ft ²)	
03 Occupancy Types Within Project (select all that apply):	<input checked="" type="checkbox"/> Office <input type="checkbox"/> Retail <input type="checkbox"/> High-Rise Residential <input type="checkbox"/> Warehouse <input type="checkbox"/> Relocatable <input checked="" type="checkbox"/> Hotel/Motel <input type="checkbox"/> School <input checked="" type="checkbox"/> Support Areas <input type="checkbox"/> Parking Garage <input type="checkbox"/> BARRACKS	06 # of Stories (Habitable Above Grade)	1

B. PROJECT SCOPE
 Table Instructions: Include all permanent designed lighting and all portable lighting in offices.

Scope of Work	Conditioned Spaces	Unconditioned Spaces
01 My Project Consists of (check all that apply):	02 Calculation Method	03 Area (ft ²)
<input type="checkbox"/> New Lighting System <input checked="" type="checkbox"/> Altered Lighting System	04 Calculation Method	05 Area (ft ²)
Entire Luminaire Alteration	Area Category	1,000
Total Area of Work (ft ²)		1,000

C. COMPLIANCE RESULTS
 Table Instructions: If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D, for guidance.

Lighting in conditioned and unconditioned spaces must not be combined for compliance per §140.6(b)(2).	Allowed Lighting Power per §140.6(b) (Watts)				Actual Lighting Power per §140.6(a) (Watts)				Compliance Results
	01 Complete Building §140.6(c)(1)	02 Area Category §140.6(c)(2)	03 Area Category Footnotes §140.6(c)(2)(*)	04 Tailored §140.6(c)(2)(*)	05 Total Allowed (Watts)	06 Total Designed (Watts)	07 Adjustments	08 PAF Control §140.6(a)(2) (-)	
Conditioned:	659.8			659.8	546			546	05 Must be ≥ 09 §140.6
Unconditioned:									COMPLIES
Controls Compliance (See Table H for Details) COMPLIES with Exceptional Conditions									
Rated Power Reduction Compliance (See Table 5 for Details) Not Applicable									

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2016standards> July 2017

STATE OF CALIFORNIA
Indoor Lighting
 NRCC-LTI-E (Created 7/17)
 CALIFORNIA ENERGY COMMISSION
 NRCC-LTI-E

CERTIFICATE OF COMPLIANCE
 Project Name: SAN MATEO PD BARRACKS
 Project Address: 1812 S. NORFOLK STREET
 Report Page: Page 2 of 7
 Date Prepared: 9/26/19

D. EXCEPTIONAL CONDITIONS
 This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

Table H. Indoor Lighting Controls Permit Applicant Notes:
 BUNK ROOMS: EXEMPT FOR CARD KEY, OCC. SENSOR, OR AUTO SHUT-OFF CONTROLS BECAUSE BUNK ROOMS ARE SIMILAR TO HOTEL ROOMS AND TYPE F1 FIXTURE IS HIGH EFFICACY.
 RESTROOMS: EXEMPT FOR MULTI-LEVEL BECAUSE ONLY ONE FIXTURE IS INSIDE RESTROOM.
 Selections made in Table U have been changed by the permit applicant. See Table E. Additional Remarks for permit applicant's explanation.

E. ADDITIONAL REMARKS
 This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. INDOOR LIGHTING FIXTURE SCHEDULE
 Table Instructions: Include all permanent designed lighting and all portable lighting in offices.

Designed Wattage: Conditioned Spaces									
01 Name or Item Tag	02 Complete Luminaire Description	03 Specialized Luminaire Types Track Portable	04 Watts per luminaire ¹	05 How Wattage is determined	06 Total number luminaires	07 Exempt per §140.6(a)(3)	08 Design Watts	09 Field Inspector Pass Fail	
F1	4" LENSED LED STRIP LIGHT		39	Mfr. Spec ²	14		546		
Total Designed Watts CONDITIONED SPACES:							546		

NOTES: Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per §130.0(c). Wattage used must be the maximum rated for the luminaire, not the lamp.

G. TRACK LIGHTING
 This Section Does Not Apply

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2016standards> July 2017

STATE OF CALIFORNIA
Indoor Lighting
 NRCC-LTI-E (Created 7/17)
 CALIFORNIA ENERGY COMMISSION
 NRCC-LTI-E

CERTIFICATE OF COMPLIANCE
 Project Name: SAN MATEO PD BARRACKS
 Project Address: 1812 S. NORFOLK STREET
 Report Page: Page 3 of 7
 Date Prepared: 9/26/19

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS
 Table Instructions: Complete the table for each area complying using the Complete Building or Area Category Methods per §140.6(b). Indicate if additional lighting power allowances per §140.6(c) or adjustments per §140.6(c) are being used.

Building Level Controls											
Area Description	Complete Building or Area Category Primary Function Area	Area Controls §130.1(a)	Multi-Level Controls §130.1(b)	Shut-Off Controls §130.1(c)	Mandatory Demand Response §130.1(c)		Shut-off Controls §130.1(c)		Field Inspector		
					Not Required ≤ 10,000 SF	See Area Level Controls	Pass	Fail			
BUNK ROOMS	All Other Areas	Manual ON/OFF	Dimmer	Exempt *	N/A	N/A					
HALLS	Corridor, Restrm, Stair, Support	Manual ON/OFF	Exempt *	Vacancy	N/A	N/A					
RESTROOMS	Corridor, Restrm, Stair, Support	Manual ON/OFF	Exempt *	Vacancy	N/A	N/A					
OFFICE	Office (<= 250 square feet)	Manual ON/OFF	Dimmer	Occ Sensor	N/A	N/A					

*NOTES: Controls with a * require a note in the space below explaining how compliance is achieved.
 EX: Conference 1: Primary/Skylight Daylighting: Exempt because less than 120 watts of general lighting; EXCEPTION 1 to §130.1(d)(2)

Plan Sheet Showing Daylit Zones:

Table Continued

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2016standards> July 2017

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 Date Prepared: 9/26/19

01 Area Description	02 Complete Building or Area Category Primary Function Area	03 Allowed Density (W/ft ²)	04 Area (ft ²)	05 Allowed Wattage (Watts)	06 Additional Allowances / Adjustments Footnotes PAF Portable Lig
TOTAL:			1,000	659.8	See Tables J, K, R for detail

J. POWER ADJUSTMENT: PORTABLE LIGHTING IN OFFICES
 This Section Does Not Apply

K. ADDITIONAL LIGHTING ALLOWANCE: AREA CATEGORY METHOD FOOTNOTES
 This Section Does Not Apply

L. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE
 This Section Does Not Apply

M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED SPECIAL FUNCTION AREAS
 This Section Does Not Apply

N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY
 This Section Does Not Apply

O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING
 This Section Does Not Apply

P. ADDITIONAL LIGHTING ALLOWANCE: TAILORED ORNAMENTAL/SPECIAL EFFECTS
 This Section Does Not Apply

Q. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE
 This Section Does Not Apply

R. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (PAF)
 This Section Does Not Apply

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2016standards> July 2017

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 Project Address: 1812 S. NORFOLK STREET
 Report Page: Page 5 of 7
 Date Prepared: 9/26/19

S. RATED POWER REDUCTION COMPLIANCE BY SPACE
 This Section Does Not Apply

T. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION
 Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at <http://www.energy.ca.gov/2015publications/CES-400-2015-033/appendices/forms/NRCC>

YES	NO	Form/Title	Field Inspector	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCC-LTI-01-E - Must be submitted for all buildings	Pass	Fail
<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCC-LTI-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRCC-LTI-03-E - Must be submitted for a line-voltage track lighting integral current limiter, or for a supplementary overcurrent protection panel used to energize only line-voltage track lighting, to be recognized for compliance.	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRCC-LTI-04-E - Must be submitted for two interlocked systems serving an auditorium, a convention center, a conference room, a multipurpose room, or a theater to be recognized for compliance.	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRCC-LTI-05-E - Must be submitted for a Power Adjustment Factor (PAF) to be recognized for compliance.	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRCC-LTI-06-E - Must be submitted for additional wattage installed in a video conferencing studio to be recognized for compliance.	<input type="checkbox"/>	<input type="checkbox"/>

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2016standards> July 2017

STATE OF CALIFORNIA
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CERTIFICATE OF COMPLIANCE
 Project Name: SAN MATEO PD BARRACKS
 Project Address: 1812 S. NORFOLK STREET
 Report Page: Page 6 of 7
 Date Prepared: 9/26/19

U. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE
 Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: <http://www.energy.ca.gov/title24/attcp/providers.html>

YES	NO	Form/Title	Field Inspector	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRCA-LTI-03-A - Must be submitted for automatic daylight controls.	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls.	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRCA-LTI-05-A - Must be submitted for institutional tuning power adjustment factor (PAF).	<input type="checkbox"/>	<input type="checkbox"/>

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2016standards> July 2017

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CERTIFICATE OF COMPLIANCE
 Project Name: SAN MATEO PD BARRACKS
 Project Address: 1812 S. NORFOLK STREET
 Report Page: Page 7 of 7
 Date Prepared: 9/26/19

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

Documentation Author Name:	RENE R. SANTOS	Documentation Author Signature:	
Company:	MK ENGINEERS, INC.	Signature Date:	
Address:	3450 3RD ST., SUITE 4B	CEA/ HERS Certification Identification (if applicable):	
City/State/Zip:	SAN FRANCISCO, CA 94124	Phone:	415-282-3100

RESPONSIBLE PERSON'S DECLARATION STATEMENT
 I certify the following under penalty of perjury, under the laws of the State of California:

- The information provided on this Certificate of Compliance is true and correct.
- I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
- The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
- The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
- I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name:	RENE R. SANTOS	Responsible Designer Signature:	
Company:	MK ENGINEERS, INC.	Date Signed:	
Address:	3450 3RD ST., SUITE 4B	License:	E17250
City/State/Zip:	SAN FRANCISCO, CA 94124	Phone:	415-282-3100

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2016standards> July 2017

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CONSULTANT

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 Professional Consulting Engineers

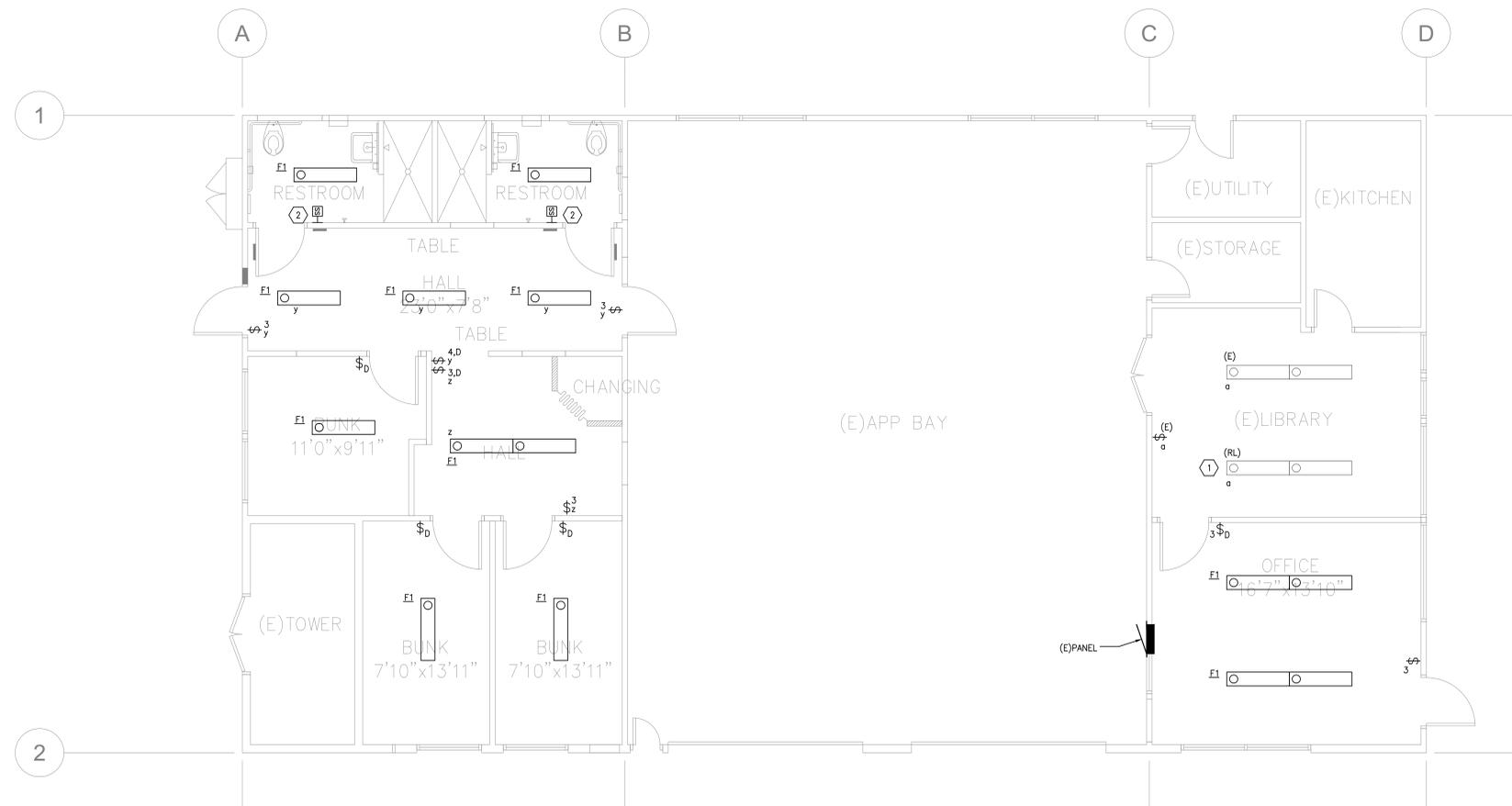
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REVISION SCHEDULE			
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09/26/19			PERMIT SET

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 PROJECT NUMBER: 19082

TITLE 24
 DOCUMENTS

DRAWING NUMBER: **E0.2**



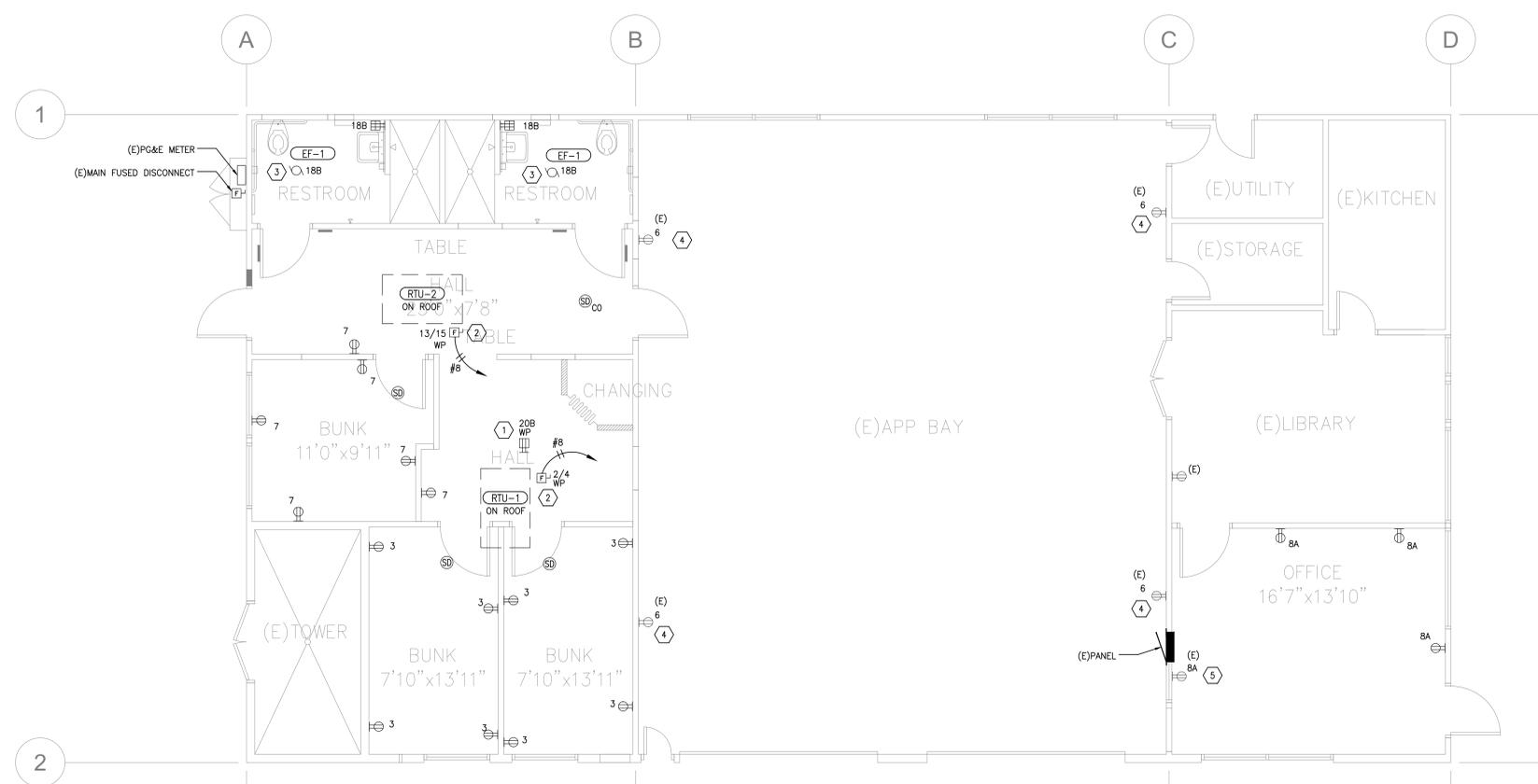
ELECTRICAL LIGHTING PLAN 1/4"=1'-0" 1

GENERAL SHEET NOTES

- ONLY ELECTRICAL DEVICES AND FIXTURES SHOWN ON PLANS ARE AREAS AFFECTED BY ARCHITECTURAL REMODEL. OTHER AREAS SHALL REMAIN AS-IS WITH DEVICES AND FIXTURES TO REMAIN IN OPERATION. UON.
- ALL LIGHTING FIXTURES NEW AND EXISTING SHALL BE CONNECTED TO THE EXISTING LIGHTING CIRCUITS THAT PREVIOUSLY SERVED THE SAME AREA. UON.
- PROVIDE ANY POWER RECONNECTIONS TO REPLACED MECHANICAL OR PLUMBING EQUIPMENT PER MP DRAWINGS.
- COORDINATE INSTALLATION OF ALL WALL MOUNTED DEVICES (SWITCHES, OUTLETS, CONDUIT, SURFACE RACEWAY, SURFACE BACKBOXES, ETC.) WITH ARCHITECTURAL PLANS. CONCEAL RACEWAYS AND BACKBOXES IN NEW WALLS. SURFACE MOUNTED RACEWAYS AND BACKBOXES ALLOWED FOR EXISTING WALLS NOT BEING REFRAMED.
- TRACE AND VERIFY ALL EXISTING CIRCUITS TO BE RE-USED OR REPLACED TO CONFIRM CIRCUIT DOES NOT SERVE OTHER DEVICES OR EQUIPMENT.
- CIRCUITS WITH "-A" OR "-B" SUFFIX REFER TO TOP OR BOTTOM OF (E)TANDEM CIRCUIT BREAKER, RESPECTIVELY. REFER TO PANEL SCHEDULE FOR MORE DETAIL.

SHEET NOTES - LTG PLAN

- RELOCATE (RL) EXISTING CHAIN HUNG FLUORESCENT STRIP LIGHTS INTO (E)LIBRARY AREA DUE TO NEW WALL FOR OFFICE SPACE.
- PROVIDE COMBO WALL SWITCH AND OCCUPANCY SENSOR, LUTRON MAESTRO SERIES #MS-2101 OR EQUAL. COORDINATE WALL PLATE AND SWITCH FINISH WITH ARCHITECT.



ELECTRICAL POWER PLAN 1/4"=1'-0" 2

SHEET NOTES - PWR PLAN

- COORDINATE LOCATION OF 120V SERVICE OUTLET WITH LANDLORD AND KEEP WITHIN 25' OF MECHANICAL UNITS. COVER SHALL BE OF "EXTRA-DUTY" TYPE PER CEC 406.9(B)(1).
- PROVIDE AND INSTALL DISCONNECT SWITCH ON ROOF ADJACENT TO MECHANICAL EQUIPMENT AND CIRCUIT AS SHOWN.
- PROVIDE AND COORDINATE WITH MP PLANS FOR SEPARATE WALL SWITCH FOR EXHAUST FAN CONTROL.
- RE-CIRCUIT ALL (E)APP BAY RECEPTACLES TO THE SAME (E)BRANCH CIRCUIT, #6.
- EXTEND (E)RECEPTACLE CIRCUIT TO NEW RECEPTACLES IN OFFICE.



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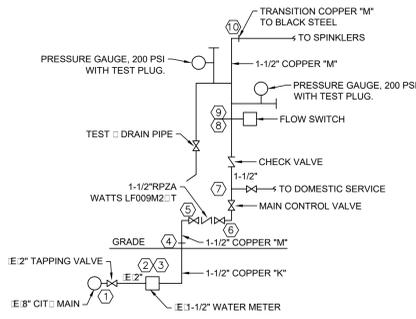
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 DATE: 8/1/2019 SCALE:
 PROJECT NUMBER: 19082

ELECTRICAL LIGHTING AND POWER PLANS

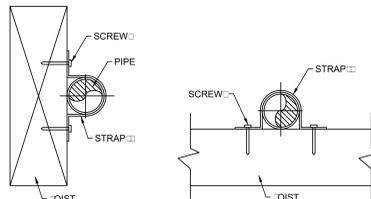
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SPECIFICATIONS AND NOTES

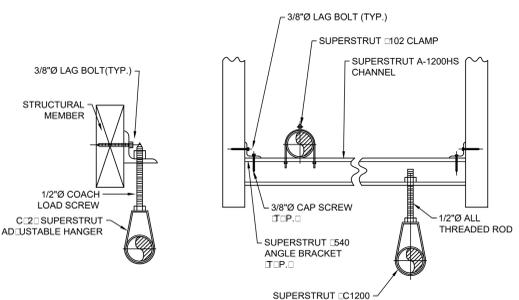
- INSTALLATION TO CONFORM TO NFPA #13D AS MODIFIED BY SAN MATEO FIRE DEPARTMENT AND OTHER APPLICABLE STANDARDS AS ACCEPTED BY THE CITY OF SAN MATEO.
- PIPE MATERIALS ARE BLACK STEEL SCHED. 40 WITH 1/2" C.I. THREADED FITTINGS FOR 2" & SMALLER, SCHED. 10 WITH GROOVED FITTINGS FOR 2-1/2" & LARGER. UNDERGROUND PIPE SHALL BE COPPER "K" AS SHOWN ON THE DRAWINGS. THE JOINTS OF COPPER "K" SHALL BE BRAZED. DEPTH OF UNDERGROUND PIPE SHALL BE 3 FEET MINIMUM.
- HANGERS SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 13D AND MANUFACTURERS GUIDELINES. HANGERS SHALL BE SUITABLE FOR THE PIPE BEING USED. STRAPS INSTALLED AS PER LISTING. ADDITIONAL STRAPS MAY BE REQUIRED TO PREVENT HEAD MOVEMENT.
- ALL SPRINKLERS ARE TO BE SUPPORTED WITHIN 6 INCHES OF THE SPRINKLER DROP.
- HANGER SPACING FOR BLACK STEEL PIPE SHALL BE 12'-0".
- FIELD VERIFY UNDERGROUND PIPE LENGTHS AND ROUTINGS.
- SIZES AS SHOWN IN PLANS ARE CALCULATED PIPE SIZES.
- BUILDING CONSTRUCTION IS WOOD FRAME. PROTECT ALL CONCEALED SPACES.
- DESIGN IS BASED ON ARCHITECT VERIFIED ALL MEASUREMENTS. THE DRAWINGS ARE DIAGNOSTIC AND INDICATE THE GENERAL ARRANGEMENT OF THE FIRE SPRINKLER REQUIREMENT. COORDINATE ALL SPRINKLERS AND PIPES LOCATION WITH ARCHITECTURAL, STRUCTURAL, ELECTRICAL, PLUMBING AND MECHANICAL WORKS. 2016 CBC STANDARD CHAPTER 9 REQUIREMENTS MUST BE MET.
- SYSTEM SHALL BE HYDROSTATICALLY TESTED FOR LEAKAGE AT NORMAL OPERATING PRESSURE.
- VERIFY OR PROVIDE FIRE ALARMS ACCEPTABLE TO FIRE DEPT. OBTAIN ALL REQUIRED PERMITS PRIOR TO START OF CONSTRUCTION.
- THE MAX. DISTANCE SHALL BE 14 FT. FROM HEAD TO HEAD, 7 FT. FROM WALL TO HEAD.
- CONTRACTOR SHALL ENSURE THAT NO LIGHT FIXTURE, SOFFIT OR OTHER CEILING MOUNTED OBJECTS OBSTRUCT DISCHARGE FROM A SPRINKLERS.
- ALL VALVES TO BE PROPERLY LABELED.
- THE SYSTEM PRESSURE GAUGES SHALL BE U.L. LISTED AND GAUGES SHALL HAVE A RANGE NOT GREATER THAN 0 - 200 PSI.
- 3 SPARE SPRINKLER HEADS OF EACH TYPE USED IN THE SPRINKLER SYSTEM AND THE APPROPRIATE WRENCH SHALL BE PROVIDED IN A LABELED BOX MOUNTED BETWEEN 6" TO 8" BY THE SYSTEM RISER.
- SPRINKLER DEFLECTOR POSITION FOR EXPOSED BEAM, BOXED BEAMS, SOFFITS, COFFERED, AND SLOPED CEILINGS MUST BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS GUIDELINES AND NFPA 13D.
- ALL PIPE PENETRATION AT JOIST AND BEAM SHALL COMPLY WITH STRUCTURAL DESIGN AND UNIFORM BUILDING CODE. OBTAIN APPROVAL TO DRILL THE HOLE AT STRUCTURAL MEMBERS FROM STRUCTURAL ENGINEER BEFORE COMMENCE OF WORK.
- SPRINKLER TEMPERATURE RATINGS TO BE PER 2016 NFPA 13D, CHAPTER 4.1.
- A CONTRACTOR WITH A C-16 CALIFORNIA STATE CONTRACTORS LICENSE IS REQUIRED TO INSTALL THIS SYSTEM.
- PROVIDE A FIRE SPRINKLER CONTROL VALVE FOR THE SYSTEM AT THE RESIDENCE. MAIN CONTROL VALVE TO BE ABOVE GRADE AND ACCESSIBLE ON THE EXTERIOR. VALVE MUST ALSO SHUT OFF OF THE DOMESTIC WATER SUPPLY. THE DOMESTIC BRANCH LINE SHALL HAVE A SEPARATE SHUTOFF FOR MAINTENANCE. NOTED ON PLANS.
- PROVIDE AN EXTERIOR ALARM BELL (MINIMUM 6"), BELL TO BE INSTALLED ON THE FRONT 1/3 OF THE BUILDING VISIBLE FROM THE PUBLIC OR PRIVATE STREET ACCESS. BELL SHOULD BE AT LEAST 7'-0" ABOVE FINISHED GRADE.
- HANGER
- UPRIGHT TYPE HEADS, 155°F IF NOT NOTED, QUICK RESPONSE RESIDENTIAL TYPE K= 4.9, VIKING MODEL "FREEDOM" SIN VK467
- UPRIGHT TYPE HEADS, 175°F, QUICK RESPONSE RESIDENTIAL TYPE K= 4.8, VIKING MODEL "FREEDOM" SIN WK467



1 RISER DETAIL
FP0.1 NO SCALE



2 STRAP HANGER
FP0.1 NO SCALE



3 PIPE SUPPORT DETAIL
FP0.1 NO SCALE

SCOPE OF WORK:

INSTALL FIRE SPRINKLER SYSTEM THROUGHOUT THE BUILDING PER NFPA 13D WITH 2-HEAD CALCULATION.

SHEET INDEX:

- FP0.1: FIRE PROTECTION NOTES, SYMBOLS & DETAILS
- FP1.1: FIRE PROTECTION GROUND FLOOR PLAN SECTION



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REVISION SCHEDULE			
NO.	DATE	BY	DESCRIPTION
1	10/04/19		PERMIT SET

DRAWN: C
CHECKED: MK
DATE: 8/1/2019
SCALE: AS NOTED
PROJECT NUMBER: 19082

FIRE PROTECTION NOTES, SYMBOLS, & DETAILS

DRAWING NUMBER: FP0.1

For Health Hazard Applications

Job Name: _____ Contractor: _____
 Job Location: _____ Approval: _____
 Engineer: _____ Contractor's P.O. No.: _____
 Approval: _____ Representative: _____

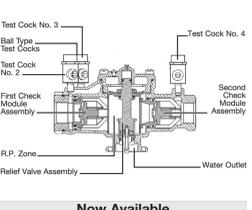
LEAD FREE

Series LF009 Reduced Pressure Zone Assemblies

Sizes: 1/4" - 3" (8 - 80mm)
 Series LF009 Reduced Pressure Zone Assemblies are designed to protect potable water supplies in accordance with national plumbing codes and water authority requirements. This series can be used in a variety of installations, including the prevention of health hazard cross-connections in piping systems or for containment at the service line entrance. The LF009 features Lead Free construction to comply with Lead Free installation requirements.



- This series features two in-line, independent check valves, captured springs and replaceable check seats with an intermediate relief valve. Its compact modular design facilitates easy maintenance and assembly access. Sizes 1/4" - 1" (8 - 25mm) shutoffs have top handles.
- Features**
- Single access cover and modular check construction for ease of maintenance
 - Top entry - all internals immediately accessible
 - Captured springs for safe maintenance
 - Internal relief valve for reduced installation clearances
 - Replaceable seats for economical repair
 - Lead Free* cast copper alloy body construction for durability (1/4" - 2" (8 - 50mm))
 - Fused epoxy coated cast iron body 2 1/2" and 3" (65 and 80mm)
 - Ball valve test cocks - screwdriver slotted 1/4" - 2" (8 - 50mm)
 - Large body passages providing low pressure drop
 - Compact, space saving design
 - No special tools required for servicing

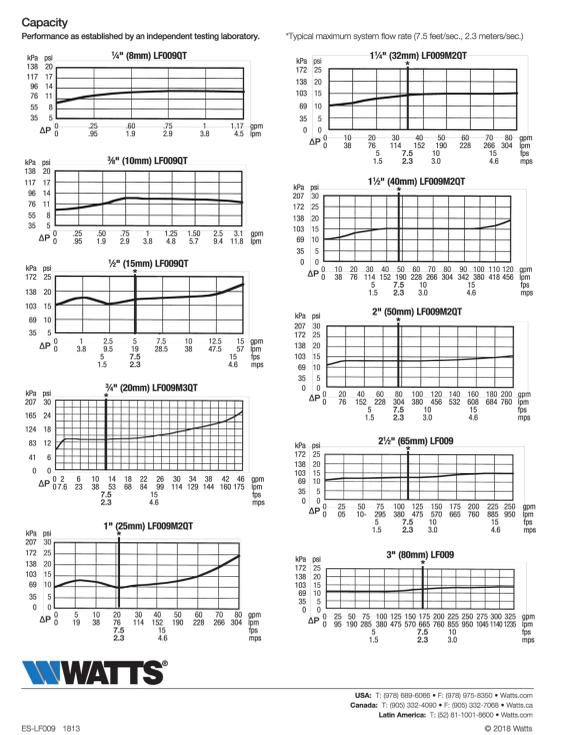


Now Available
WaterBox Insulated Enclosures.
 For more information, send for literature ES-WB.

NOTICE
 Inquire with governing authorities for local installation requirements

NOTICE
 The information contained herein is not intended to replace the full product installation and safety information available to the experience of a trained product installer. You are required to thoroughly read all installation instructions and product safety information before beginning the installation of this product.

*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.



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Page 1 of 6

VIKING TECHNICAL DATA

FREEDOM® RESIDENTIAL UPRIGHT SPRINKLER VK467 (K4.9)

The Viking Corporation, 210 N Industrial Park Drive, Hastings MI 49608
 Telephone: 269-945-9591 Technical Services: 877-384-5464 Fax: 269-918-1690 Email: techsvcs@vikingcorp.com
 Visit the Viking website for the latest edition of this technical data page: www.vikinggroupinc.com

1. DESCRIPTION
 Viking Freedom® Residential Upright Sprinkler VK467 is a small, thermosensitive, glass-bulb residential sprinkler available in several different finishes and temperature ratings to meet varying design requirements. The Electroless Nickel (ENT) coating has been investigated for installation in corrosive atmospheres and is C-UL-US-EU Listed as corrosion resistant as indicated in the Approval Chart. The orifice design, with a K-Factor of 4.9 (70.6 metric), allows efficient use of available water supplies for the hydraulically designed fire-protection system. The glass bulb operating element and special deflector characteristics meet the challenges of residential sprinkler standards.

2. LISTINGS AND APPROVALS
 C-UL Listed (C-UL-US-EU); Category VKKW
 NYC Approved: MEA 89-92-E, Volume 35
 Refer to Approval Chart Design Criteria for C-UL-US-EU Listing requirements that must be followed.

3. TECHNICAL DATA
Specifications:
 Available since 2014.
 Minimum Operating Pressure: Refer to the Approval Chart.
 Maximum Working Pressure: 175 psi (12 bar). Factory tested hydrostatically to 500 psi (34.5 bar).
 Thread size: 1/2" (15 mm) NPT
 Nominal K-Factor: 4.9 U.S. (70.6 metric)
 Metric K-factor measurement shown in Bar. When pressure is measured in kPa, divide the metric K-factor shown by 10.0.
 Glass-bulb fluid temperature rating to -65 °F (-55 °C)
 Overall Lengths: 2-1/4" (58 mm)

Material Standards:
 Frame Casting: Brass UNS-C84400 or QM Brass
 Deflector: Brass UNS-C23000 or Bronze UNS-C22000
 Bulb: Glass, nominal 3 mm diameter
 Belleville Spring Sealing Assembly: Nickel Alloy, coated on both sides with Polytetrafluoroethylene (PTFE) Tape
 Pip Cap and Inlet Assembly: Copper UNS-C11000 and Stainless Steel UNS-S30400
 Compression Screw: Brass UNS-C36000
 For ENT coated sprinklers: Belleville spring - Exposed, Screw and Pipcap - ENT plated.
Ordering Information: (Also refer to the current Viking price list.)
 Sprinkler: Base Part No. 19154
 Order Sprinkler VK467 by first adding the appropriate suffix for the sprinkler finish and then the appropriate suffix for the temperature rating to the sprinkler base part number.
 Finish Suffix: Brass = A, Chrome = F, White Polyester = M-W, Black Polyester = M-B, and ENT = JN
 Temperature Suffix: 155 °F (68 °C) = B, 175 °F (79 °C) = D
 For example, sprinkler VK467 with a Brass finish and a 155 °F (68 °C) temperature rating = Part No. 19154AAB.
Available Finishes And Temperature Ratings:
 Refer to Table 1.
Accessories: (Also refer to Viking website.)
 Sprinkler Wrenches:
 A. Standard Wrench: Part No. 21475MB (available since 2017)
 Sprinkler Cabinets:
 A. Six-head capacity: Part No. 01724A (available since 1971)
 B. Twelve-head capacity: Part No. 01725A (available since 1971)



WARNING: Corrosion and Reproductive Harm
 www.P66Warnings.ca.gov

California Water Service Company
 Fire Flow Test

9/27/2019

Test Date: 09/27/2019 Time: 6:45
 District: SAN MATEO Zone: 145 Plat: 27-27
 Address: 1826 S Norfolk St
 Conducted By: MK Engineers
 Conducted By: Mike Acker
 Purpose Of Test: Fire flow for 1812 S Norfolk St, San Mateo
 Witnessed By: Calwater - Chris Ogden
 Others:

Outlet No.	Outlet Size	PITOT	Observed Pressure	Static Pressure	Residual Pressure	Flow Observed	Flow Avail. @20'
1	2.50	21	769	59	48	1556	3082
2	2.50	22	787				
3							
4							
1							
2							
3							
4							
1							
2							
3							
4							

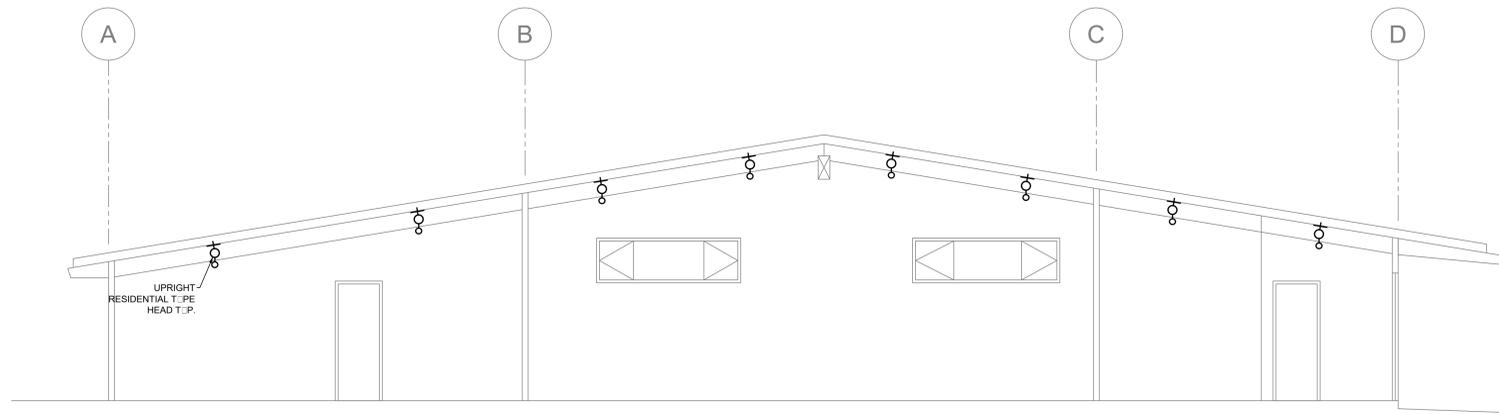
Location 1 Hydrant No.: SM-1174 Address: 1826 S Norfolk St, San Mateo
 Location 2 Hydrant No.: Address:
 Location 3 Hydrant No.: Address:

Total Flow Observed Available @20': 1556 3082

Remarks:
 Static/Residual Location: Hydrant #1175

Note:
 Regardless of the results of this test, California Water Service Company assumes no liability beyond that stated in the following except from the P.U.C. Tariff Schedule: "The utility (California Water Service Company) will supply only such water at such pressure as may be available from time to time as a result of its normal operation of the system."

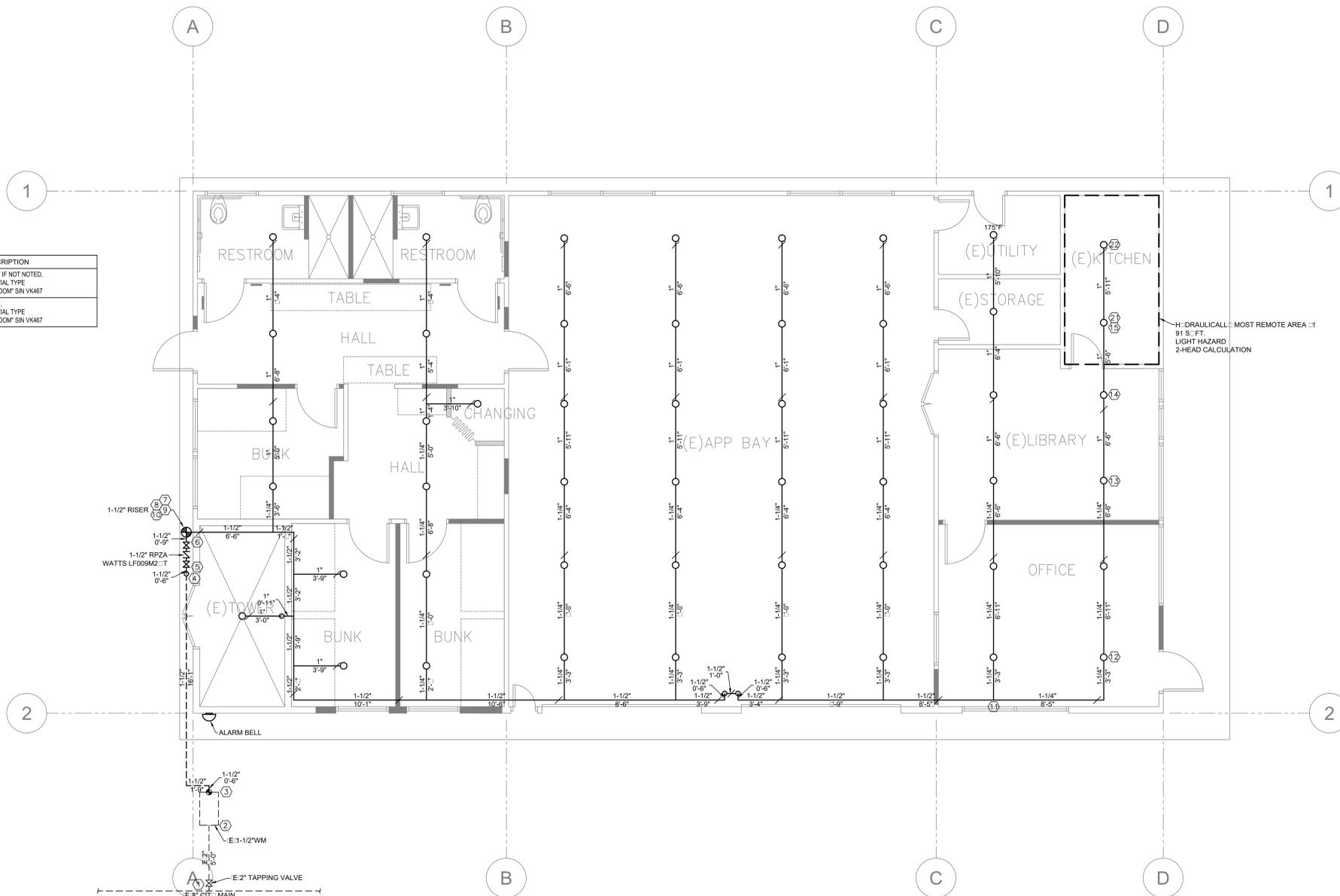
Watts product specifications in U.S. customary units and metric are approximate and are provided for reference only for precise measurements, please contact Watts Technical Service. Watts reserves the right to change or modify product design, construction, specifications or materials without prior notice and without incurring any obligation to make such changes and modifications on Watts products previously or subsequently sold.



SECTION 1/4"=1'-0" 2

SYMBOL	QTY	DESCRIPTION
○	49	UPRIGHT TYPE HEADS, 155°F IF NOT NOTED, QUICK RESPONSE RESIDENTIAL TYPE K=4.9, VIKING MODEL "FREEDOM" SN VV467
○	1	UPRIGHT TYPE HEADS, 175°F, QUICK RESPONSE RESIDENTIAL TYPE K=4.9, VIKING MODEL "FREEDOM" SN VV467

TOTAL HEADS: 50



GROUND FLOOR PLAN 1/4"=1'-0" 1



SACRAMENTO AREA
1110 IRON POINT ROAD, SUITE 200
FOLSOM
CALIFORNIA 95630-8313
TEL: 916-355-9922
www.wlcarchitects.com

SAN MATEO PD BARRACKS
CITY OF SAN MATEO
1812 S NORFOLK STREET
SAN MATEO, CA 94403



CONSULTANT
MK Engineers Inc.
Professional Consulting Engineers
3450 3rd Street, Suite 4B
San Francisco, CA 94124
T 415.282.3100 | F 415.282.3101
www.mkengrs.com

REVISION SCHEDULE			
NO.	DATE	BY	DESCRIPTION
10/04/19			PERMIT SET

DRAWN: C □ CHECKED: MK
DATE: 8/1/2019 SCALE: AS NOTED
PROJECT NUMBER: 19082

FIRE PROTECTION
GROUND FLOOR PLAN
AND SECTION

DRAWING NUMBER: **FP1.1**

EXHIBIT 2
CONTRACTOR'S PROPOSAL



Work Order Signature Document

EZIQc Contract No.: CA-07-CC-B-A-030618-NCM

New Work Order **Modify an Existing Work Order**

Work Order Number.: 071840.00 Work Order Date: 10/11/2019

Work Order Title: San Mateo PD Barracks Improvements

Owner Name: City of San Mateo Contractor Name: Newton Construction & Management, Inc.

Contact: Matt Zucca Contact: Darin Terrazas

Phone: 6505227308 Phone: 805-544-5583

Work to be Performed

Work to be performed as per the Final Detailed Scope of Work Attached and as per the terms and conditions of Sourcewell EZIQc Contract No CA-07-CC-B-A-030618-NCM.

Brief Work Order Description:

Improvements to existing Police Department Barracks Building, see provided plans

Time of Performance Estimated Start Date:
Estimated Completion Date:

Liquidated Damages Will apply: Will not apply:

Work Order Firm Fixed Price: \$534,304.94

Owner Purchase Order Number:

Approvals

City of San Mateo Date

Contractor Date



Detailed Scope of Work

To: Darin Terrazas
Newton Construction & Management
2436 Broad St
San Luis Obispo, CA 93401
805-544-5583

From: Matt Zucca
City of San Mateo
330 W. 20th Avenue
San Mateo, CA 94403
6505227308

Date Printed: October 11, 2019

Work Order Number: 071840.00

Work Order Title: San Mateo PD Barracks Improvements

Brief Scope: Improvements to existing Police Department Barracks Building, see provided plans

Preliminary

Revised

Final

The following items detail the scope of work as discussed at the site. All requirements necessary to accomplish the items set forth below shall be considered part of this scope of work.

Improvements to existing Police Department Barracks Building, see provided plans. Scope/proposal for plans version dated 9/27/19.

Subject to the terms and conditions of JOC Contract **CA-07-CC-B-A-030618-NCM**.

Contractor Date

City of San Mateo Date

Contractor's Price Proposal - Summary

Date: October 11, 2019

Re: IQC Master Contract #: CA-07-CC-B-A-030618-NCM
Work Order #: 071840.00
Owner PO #:
Title: San Mateo PD Barracks Improvements
Contractor: Newton Construction & Management, Inc.
Proposal Value: \$534,304.94

abatement	\$50,598.06
Carpentry	\$33,214.20
concrete	\$25,241.80
demo	\$20,105.04
doors	\$9,224.14
drywall	\$25,517.21
Electrical	\$48,625.35
Fire Alarm	\$0.00
Fire Sprinkler	\$48,594.04
Flooring	\$20,885.80
Framing	\$35,025.52
General	\$4,048.37
HVAC	\$66,521.35
Insulation	\$12,059.01
No Category Input	\$11,763.75
Paint	\$11,814.23
Plumbing	\$66,853.99
Roofing	\$15,294.89
specialties	\$8,969.33
Stucco	\$14,094.74
windows	\$5,854.12
Proposal Total	\$534,304.94

This total represents the correct total for the proposal. Any discrepancy between line totals, sub-totals and the proposal total is due to rounding.

Contractor's Price Proposal - Detail

Date: October 11, 2019

Re: IQC Master Contract #: CA-07-CC-B-A-030618-NCM
 Work Order #: 071840.00
 Owner PO #:
 Title: San Mateo PD Barracks Improvements
 Contractor: Newton Construction & Management, Inc.
 Proposal Value: \$534,304.94

Sect.	Item	Mod.	UOM	Description	Line Total
Labor	Equip.	Material	(Excludes)		
abatement					
1	02 82 16 00 0004		SF	Asbestos Fiberspray Encapsulation (Fiberlock® ABC Fiberspray®)	\$1,928.43
			Installation	Quantity 1,000.00 x Unit Price 1.57 x Factor 1.2283 = Total 1,928.43	
				Bathroom	
2	02 82 16 00 0004		SF	Asbestos Fiberspray Encapsulation (Fiberlock® ABC Fiberspray®)	\$2,314.12
			Installation	Quantity 1,200.00 x Unit Price 1.57 x Factor 1.2283 = Total 2,314.12	
				Main Bldg.	
3	02 82 33 00 0025		EA	Up To 10 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	\$1,271.34
			Installation	Quantity 2.00 x Unit Price 517.52 x Factor 1.2283 = Total 1,271.34	
				Built-up roofing demo	
4	02 82 33 00 0032		EA	Up To 1 SF, Fireproofing For Small Areas, Asbestos Abatement And Disposal For asbestos abatement for up to 1 SF sections to expose steel area for welding attachments.	\$476.75
			Installation	Quantity 3.00 x Unit Price 129.38 x Factor 1.2283 = Total 476.75	
				Roof penetrations	
5	02 82 33 00 0034		EA	Up To 10 SF, Fireproofing, Asbestos Abatement And Disposal	\$1,271.34
			Installation	Quantity 2.00 x Unit Price 517.52 x Factor 1.2283 = Total 1,271.34	
				Built-up roofing demo	
6	02 82 33 00 0053		EA	Up To 10 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	\$1,907.01
			Installation	Quantity 3.00 x Unit Price 517.52 x Factor 1.2283 = Total 1,907.01	
				Shower demo	
7	02 82 33 00 0054		SF	>10 To 500 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	\$9,027.02
			Installation	Quantity 380.00 x Unit Price 19.34 x Factor 1.2283 = Total 9,027.02	
				Flooring & shower walls demo	
8	02 82 33 00 0080		EA	Up To 10 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Asbestos Abatement And Disposal	\$635.67
			Installation	Quantity 1.00 x Unit Price 517.52 x Factor 1.2283 = Total 635.67	
				Flooring demo	
9	02 82 33 00 0081		SF	>10 To 500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Asbestos Abatement And Disposal	\$1,028.58
			Installation	Quantity 158.00 x Unit Price 5.30 x Factor 1.2283 = Total 1,028.58	
				Bathroom floor tile demo	

Contractor's Price Proposal - Detail Continues..

Work Order Number: 071840.00
Work Order Title: San Mateo PD Barracks Improvements

abatement

10	02 82 33 00 0081	SF	>10 To 500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Asbestos Abatement And Disposal						\$3,255.00	
		Installation	Quantity	Unit Price	Factor	=	Total			
			500.00	5.30	1.2283		3,255.00			
			Flooring demo under walls being removed							
11	02 82 33 00 0087	SF	>10 To 500 SF, Non-Friable Carpet, Asbestos Abatement And Disposal						\$2,511.87	
		Installation	Quantity	Unit Price	Factor	=	Total			
			500.00	4.09	1.2283		2,511.87			
			Carpet demo							
12	02 82 33 00 0092	EA	Up To 10 LF, Wall Base And Mastic, Asbestos Abatement And Disposal						\$238.38	
		Installation	Quantity	Unit Price	Factor	=	Total			
			1.00	194.07	1.2283		238.38			
			Wall base demo							
13	02 82 33 00 0094	LF	>100 To 500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal						\$1,271.29	
		Installation	Quantity	Unit Price	Factor	=	Total			
			500.00	2.07	1.2283		1,271.29			
			Wall base demo							
14	02 82 33 00 0098	EA	Up To 10 SF, Mastic, Asbestos Abatement And DisposalApplies to bottom layer only if multiple layers.						\$6,356.70	
		Installation	Quantity	Unit Price	Factor	=	Total			
			10.00	517.52	1.2283		6,356.70			
			Main Bldg.							
15	02 82 33 00 0098	EA	Up To 10 SF, Mastic, Asbestos Abatement And DisposalApplies to bottom layer only if multiple layers.						\$635.67	
		Installation	Quantity	Unit Price	Factor	=	Total			
			1.00	517.52	1.2283		635.67			
			Bathroom							
16	02 82 33 00 0099	SF	>10 To 500 SF, Mastic, Asbestos Abatement And DisposalApplies to bottom layer only if multiple layers.						\$810.68	
		Installation	Quantity	Unit Price	Factor	=	Total			
			500.00	1.32	1.2283		810.68			
			Main Bldg.							
17	02 82 33 00 0099	SF	>10 To 500 SF, Mastic, Asbestos Abatement And DisposalApplies to bottom layer only if multiple layers.						\$794.46	
		Installation	Quantity	Unit Price	Factor	=	Total			
			490.00	1.32	1.2283		794.46			
			Bathroom							
18	02 82 33 00 0247	EA	Up To 10 LF, Grout, Asbestos Abatement And Disposal						\$238.38	
		Installation	Quantity	Unit Price	Factor	=	Total			
			1.00	194.07	1.2283		238.38			
			Tile demo							
19	02 89 00 00 0006	EA	7' Zipper Door For Plastic Sheeting						\$63.01	
		Installation	Quantity	Unit Price	Factor	=	Total			
			3.00	17.10	1.2283		63.01			
			Abatement containments							
20	02 89 00 00 0006	EA	7' Zipper Door For Plastic Sheeting						\$231.04	
		Installation	Quantity	Unit Price	Factor	=	Total			
			11.00	17.10	1.2283		231.04			
			Abatement containments							

Contractor's Price Proposal - Detail Continues..

Work Order Number: 071840.00
Work Order Title: San Mateo PD Barracks Improvements

abatement

21	02 89 00 00 0009	SF	Relocate Isolation Barrier							\$2,075.83
			Installation	Quantity	Unit Price	Factor	=	Total		
				1,000.00	1.69	1.2283		2,075.83	x	
			Abatement containments							
22	02 89 00 00 0011	SF	Up To 100 SF, Clean Asbestos Surface							\$767.69
			Installation	Quantity	Unit Price	Factor	=	Total		
				500.00	1.25	1.2283		767.69	x	
			Abatement containments							
23	02 89 00 00 0013	SF	>500 To 1,000 SF, Clean Asbestos Surface							\$700.13
			Installation	Quantity	Unit Price	Factor	=	Total		
				1,000.00	0.57	1.2283		700.13	x	
			Abatement containments							
24	02 89 00 00 0016	SF	6 Mil Plastic Sheeting, Applied To Floors, Hazmat Containment Construction							\$73.70
			Installation	Quantity	Unit Price	Factor	=	Total		
				200.00	0.30	1.2283		73.70	x	
			Abatement containments							
25	02 89 00 00 0016	SF	6 Mil Plastic Sheeting, Applied To Floors, Hazmat Containment Construction							\$368.49
			Installation	Quantity	Unit Price	Factor	=	Total		
				1,000.00	0.30	1.2283		368.49	x	
			Abatement containments							
26	02 89 00 00 0017	SF	6 Mil Plastic Sheeting, Applied To Walls, Hazmat Containment Construction							\$491.32
			Installation	Quantity	Unit Price	Factor	=	Total		
				1,000.00	0.40	1.2283		491.32	x	
			Abatement containments							
27	02 89 00 00 0017	SF	6 Mil Plastic Sheeting, Applied To Walls, Hazmat Containment Construction							\$393.06
			Installation	Quantity	Unit Price	Factor	=	Total		
				800.00	0.40	1.2283		393.06	x	
			Abatement containments							
28	02 89 00 00 0018	SF	6 Mil Plastic Sheeting, Applied To Ceilings, Hazmat Containment Construction							\$132.66
			Installation	Quantity	Unit Price	Factor	=	Total		
				200.00	0.54	1.2283		132.66	x	
			Abatement containments							
29	02 89 00 00 0018	SF	6 Mil Plastic Sheeting, Applied To Ceilings, Hazmat Containment Construction							\$663.28
			Installation	Quantity	Unit Price	Factor	=	Total		
				1,000.00	0.54	1.2283		663.28	x	
			Abatement containments							
30	02 89 00 00 0023	EA	Portable Personnel Decontamination Wash Facility (3 Stage)Includes connection to negative air system.							\$754.75
			Installation	Quantity	Unit Price	Factor	=	Total		
				1.00	614.47	1.2283		754.75	x	
			Abatement containments bathroom							
31	02 89 00 00 0023	EA	Portable Personnel Decontamination Wash Facility (3 Stage)Includes connection to negative air system.							\$4,528.52
			Installation	Quantity	Unit Price	Factor	=	Total		
				6.00	614.47	1.2283		4,528.52	x	
			Abatement containments							

Contractor's Price Proposal - Detail Continues..

Work Order Number: 071840.00
Work Order Title: San Mateo PD Barracks Improvements

abatement

32	02 89 00 00 0025	EA	Portable Waste Decontamination UnitIncludes connection to negative air system.						\$483.13	
			Installation	Quantity	Unit Price	Factor	=	Total		
				1.00	393.33	x	1.2283	483.13		
			Abatement containments bathroom							
33	02 89 00 00 0025	EA	Portable Waste Decontamination UnitIncludes connection to negative air system.						\$2,898.76	
			Installation	Quantity	Unit Price	Factor	=	Total		
				6.00	393.33	x	1.2283	2,898.76		
			Abatement containments							

Subtotal for abatement **\$50,598.06**

Carpentry

34	06 01 20 91 0002	SF	Restoration Of Existing Decorative WoodworkIncludes stripping to bare wood, filling or patching, stain or paint to match existing.						\$2,490.99	
			Installation	Quantity	Unit Price	Factor	=	Total		
				300.00	6.76	x	1.2283	2,490.99		
			Exterior and interior areas to match wood trims where demo and new construction occur							
35	06 11 16 00 0182	LF	4" x 4" Pressure Treated Lumber, For Roofing Sleepers						\$143.47	
			Installation	Quantity	Unit Price	Factor	=	Total		
				40.00	2.92	x	1.2283	143.47		
			HVAC new platforms							
36	08 71 23 00 0021	PR	5" x 4" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge						\$2,127.17	
			Installation	Quantity	Unit Price	Factor	=	Total		
				10.00	173.18	x	1.2283	2,127.17		
			Door hardware							
37	08 71 23 00 0474	EA	3" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS444/448)						\$112.12	
			Installation	Quantity	Unit Price	Factor	=	Total		
				2.00	45.64	x	1.2283	112.12		
			Door hardware							
38	08 71 23 00 0530	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Brass Finish, Wrought Brass Wall Bumper (Ives WS406/407)						\$249.69	
			Installation	Quantity	Unit Price	Factor	=	Total		
				8.00	25.41	x	1.2283	249.69		
			Door hardware							
39	08 71 23 00 1172	EA	24" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate						\$4,273.99	
			Installation	Quantity	Unit Price	Factor	=	Total		
				10.00	347.96	x	1.2283	4,273.99		
			Door hardware							
40	08 71 23 00 2074	EA	4" x 16" Aluminum Pull Plate Door Hardware						\$64.06	
			Installation	Quantity	Unit Price	Factor	=	Total		
				1.00	52.15	x	1.2283	64.06		
			Door hardware							
41	08 71 23 00 2074 0237	MOD	For Stainless Steel, Add						\$0.00	
			Installation	Quantity	Unit Price	Factor	=	Total		
				0.00	17.22	x	1.2283	0.00		

Contractor's Price Proposal - Detail Continues..

Work Order Number: 071840.00
Work Order Title: San Mateo PD Barracks Improvements

Carpentry

42	08 71 23 00 2175	EA	3' Push Bar Exit Device, Mortise Chexit Delayed Egress, Fire Rated, Von Duprin Series CX9875-F/CX9975-F Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.						\$3,247.69	
		Installation	Quantity	Unit Price	Factor	=	Total			
			1.00	2,644.05	1.2283		3,247.69			
			Door hardware							
43	08 71 23 00 2175 0255	MOD	For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add						\$873.91	
		Installation	Quantity	Unit Price	Factor	=	Total			
			1.00	711.48	1.2283		873.91			
44	08 71 23 00 2270	EA	Surface Mounted Heavy Duty Door Closer (LCN 4040XP/4041 Series)						\$4,708.57	
		Installation	Quantity	Unit Price	Factor	=	Total			
			10.00	383.34	1.2283		4,708.57			
			Door hardware							
45	08 71 23 00 2298	EA	Bath/Bedroom Privacy F37 Pre-Assembled Lockset Locked with push button inside.						\$2,996.66	
		Installation	Quantity	Unit Price	Factor	=	Total			
			4.00	609.92	1.2283		2,996.66			
			Door hardware							
46	08 71 23 00 2298 0287	MOD	For Satin Stainless Steel US32D (BHMA 630) Finish, Add						\$898.48	
		Installation	Quantity	Unit Price	Factor	=	Total			
			4.00	182.87	1.2283		898.48			
47	08 71 23 00 2402	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series)						\$2,400.27	
		Installation	Quantity	Unit Price	Factor	=	Total			
			3.00	651.38	1.2283		2,400.27			
			Door hardware							
48	08 71 23 00 2474	EA	Mortised Deadbolt, Key One Side, Knob One Side ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal).						\$2,105.50	
		Installation	Quantity	Unit Price	Factor	=	Total			
			8.00	214.27	1.2283		2,105.50			
			Door hardware							
49	08 71 23 00 2475	EA	Mortised Deadbolt, Key Both Sides ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal). Also used for Classroom version.						\$880.21	
		Installation	Quantity	Unit Price	Factor	=	Total			
			3.00	238.87	1.2283		880.21			
			Door hardware							
50	08 71 33 00 0097	LF	1/4" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5025ASB)						\$496.97	
		Installation	Quantity	Unit Price	Factor	=	Total			
			35.00	11.56	1.2283		496.97			
			Door hardware							
51	08 71 43 00 0042	LF	8" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 254X4B)						\$3,916.35	
		Installation	Quantity	Unit Price	Factor	=	Total			
			10.50	303.66	1.2283		3,916.35			
			Door hardware							
52	23 37 13 00 0279	SF	Up To 4 SF, 304 Stainless Steel, Louvered Supply/Return Grille						\$1,228.10	
		Installation	Quantity	Unit Price	Factor	=	Total			
			8.00	124.98	1.2283		1,228.10			
			Used to cut openings and seal around added louvers. Top of page MP1.1 between "C" and "D".							

Contractor's Price Proposal - Detail Continues..

Work Order Number: 071840.00
Work Order Title: San Mateo PD Barracks Improvements

Subtotal for Carpentry										\$33,214.20
concrete										
53	01 22 23 00 0412	WK	1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator							\$5,518.92
		Installation	Quantity	Unit Price	Factor	=	Total			
			1.00	4,493.14	1.2283		5,518.92			
			Excavation for exterior sidewalk ADA work							
54	01 71 13 00 0004	EA	First 25 Miles, Equipment Delivery, Pickup, Mobilization And Demobilization Using A Tractor Trailer With Up To 53' BedIncludes delivery of equipment, off loading on site, rigging, dismantling, loading and transporting away. For equipment such as bulldozers, motor scrapers, hydraulic excavators, gradalls, road graders, loader-backhoes, heavy duty construction loaders, tractors, pavers, rollers, bridge finishers, straight mast construction forklifts, telescoping boom rough terrain construction forklifts, telescoping and articulating boom manlifts with >40' boom lengths, etc.							\$494.55
		Installation	Quantity	Unit Price	Factor	=	Total			
			1.00	402.63	1.2283		494.55			
			Backhoe delivery							
55	02 41 19 13 0168	EA	Drill 1" Diameter Core In >6" To 8" Brick/Concrete Block							\$2,892.03
		Installation	Quantity	Unit Price	Factor	=	Total			
			50.00	47.09	1.2283		2,892.03			
			preparing existing slab edge for epoxy dowels							
56	03 11 13 00 0005	SF	Mat Foundation Wood Formwork							\$1,109.15
		Installation	Quantity	Unit Price	Factor	=	Total			
			100.00	9.03	1.2283		1,109.15			
			Concrete forms							
57	03 21 11 00 0091	LF	#6, Grade 60, Footings, Steel Reinforcement Bar							\$400.43
		Installation	Quantity	Unit Price	Factor	=	Total			
			200.00	1.63	1.2283		400.43			
58	03 21 11 00 0122	LF	#6, Grade 40, Slab On Grade, Steel Reinforcement Bar							\$366.03
		Installation	Quantity	Unit Price	Factor	=	Total			
			200.00	1.49	1.2283		366.03			
			Exterior concrete reinforcing steel							
59	03 21 11 00 0122	LF	#6, Grade 40, Slab On Grade, Steel Reinforcement Bar							\$183.02
		Installation	Quantity	Unit Price	Factor	=	Total			
			100.00	1.49	1.2283		183.02			
60	03 21 16 00 0171	EA	1/2" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel							\$192.23
		Installation	Quantity	Unit Price	Factor	=	Total			
			50.00	3.13	1.2283		192.23			
			bathroom floor slab dowels							
61	03 31 13 00 0005	SF	6" 3,000 PSI Slab On Grade Concrete Slabs Assembly							\$1,304.16
		Installation	Quantity	Unit Price	Factor	=	Total			
			168.00	6.32	1.2283		1,304.16			
62	03 31 13 00 0005 0159	MOD	For Up To 500, Add							\$538.59
		Installation	Quantity	Unit Price	Factor	=	Total			
			168.00	2.61	1.2283		538.58			

Contractor's Price Proposal - Detail Continues..

Work Order Number: 071840.00
Work Order Title: San Mateo PD Barracks Improvements

concrete

63	03 31 13 00 0037	CY	Up To 6", By Concrete Pump, Place 3,000 PSI Concrete Slab On GradeExcludes pumping equipment.						\$310.10	
		Installation	Quantity	Unit Price	Factor	=	Total			
			2.00	126.23	1.2283		310.10			
			x	x						
			Interior and exterior pours							
64	03 31 13 00 0104	HR	35 CY/HR, 66 HP Trailer Mounted Concrete PumpIncludes hoses						\$1,194.50	
		Installation	Quantity	Unit Price	Factor	=	Total			
			8.00	121.56	1.2283		1,194.50			
			x	x						
			Bathrooms							
65	03 31 13 00 0104	HR	35 CY/HR, 66 HP Trailer Mounted Concrete PumpIncludes hoses						\$1,194.50	
		Installation	Quantity	Unit Price	Factor	=	Total			
			8.00	121.56	1.2283		1,194.50			
			x	x						
			Exterior							
66	03 31 13 00 0106	CY	Delivery Fee For Concrete Purchases Per CY For Each CY Less Than 9 CYThe task quantity is 9 minus the number of CY's delivered. For example, the delivery fee for 2CY's is: (9-2) = 7.						\$41.81	
		Installation	Quantity	Unit Price	Factor	=	Total			
			2.00	17.02	1.2283		41.81			
			x	x						
			Interior and exterior pours							
67	03 35 16 00 0005	SF	Final Float, Concrete Floor Finish						\$249.69	
		Installation	Quantity	Unit Price	Factor	=	Total			
			168.00	1.21	1.2283		249.69			
			x	x						
			Bathroom							
68	03 35 16 00 0006	SF	Steel Trowel, Concrete Floor Finish						\$282.71	
		Installation	Quantity	Unit Price	Factor	=	Total			
			168.00	1.37	1.2283		282.71			
			x	x						
			Bathroom							
69	31 05 13 00 0002	CY	Sand, Bank Run						\$282.41	
		Installation	Quantity	Unit Price	Factor	=	Total			
			4.00	57.48	1.2283		282.41			
			x	x						
70	31 23 16 13 0008	CY	Excavation For Trenching By Hand In Loose RockIncludes stockpiling excess materials and trimming sides and bottom of trench.						\$2,590.93	
		Installation	Quantity	Unit Price	Factor	=	Total			
			12.00	175.78	1.2283		2,590.93			
			x	x						
71	31 23 16 13 0014	CY	Compaction of Fill or Subbase for Trenches by Hand						\$473.29	
		Installation	Quantity	Unit Price	Factor	=	Total			
			12.00	32.11	1.2283		473.29			
			x	x						
72	31 23 16 13 0017	CY	Load Excess Material by Hand for Removal from Excavation for Trenching						\$1,107.53	
		Installation	Quantity	Unit Price	Factor	=	Total			
			12.00	75.14	1.2283		1,107.53			
			x	x						
73	31 23 16 36 0032	CY	Spread Excess Or Imported Material On Site By Hand						\$815.00	
		Installation	Quantity	Unit Price	Factor	=	Total			
			16.00	41.47	1.2283		815.00			
			x	x						
			Sand for Utilities in trenches							
74	31 23 16 46 0006	CY	Excavation By Hand In Soil To Expose Underground Pipes And StructuresIncludes stockpiling excess materials and trimming sides and bottom of trench.						\$472.00	
		Installation	Quantity	Unit Price	Factor	=	Total			
			3.00	128.09	1.2283		472.00			
			x	x						
			used for underground utility investigation							

Contractor's Price Proposal - Detail Continues..

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concrete									
75	31 23 16 46 0010	CY	Backfilling by Hand At Exposed Underground Pipes And Structures						\$285.31
		Installation	Quantity	x	Unit Price	x	Factor	=	Total
			4.00		58.07		1.2283		285.31
		Exterior sidewalks							
76	32 11 16 16 0011	SY	9" Class II Crushed Aggregate Base Course						\$1,125.12
		Installation	Quantity	x	Unit Price	x	Factor	=	Total
			40.00		22.90		1.2283		1,125.12
		Exterior sidewalks							
77	32 11 23 16 0006	SF	6" Crushed Aggregate Base Course For Sidewalks						\$285.58
		Installation	Quantity	x	Unit Price	x	Factor	=	Total
			125.00		1.86		1.2283		285.58
		Exterior sidewalks							
78	32 11 23 16 0006 0010	MOD	For Up To 1,000, Add						\$76.77
		Installation	Quantity	x	Unit Price	x	Factor	=	Total
			125.00		0.50		1.2283		76.77
79	32 16 23 00 0004	SF	6" Cast In Place Concrete Sidewalk						\$1,168.85
		Installation	Quantity	x	Unit Price	x	Factor	=	Total
			120.00		7.93		1.2283		1,168.85
		Exterior sidewalks							
80	32 16 23 00 0004 0094	MOD	For >100 To 500, Add						\$144.45
		Installation	Quantity	x	Unit Price	x	Factor	=	Total
			120.00		0.98		1.2283		144.45
81	32 16 23 00 0008	EA	Finish Concrete Handicap Drop Section In SidewalkExcludes patterned (tactile) finish.						\$142.14
		Installation	Quantity	x	Unit Price	x	Factor	=	Total
			1.00		115.72		1.2283		142.14
		Exterior sidewalks							
Subtotal for concrete									\$25,241.80
demo									
82	01 22 23 00 1353	WK	6 CY Rear Dump Truck With Full-Time Truck Driver						\$5,300.88
		Installation	Quantity	x	Unit Price	x	Factor	=	Total
			1.00		4,315.62		1.2283		5,300.88
		used to off haul exterior spoils for ADA work and utility trenching operations							
83	01 74 19 00 0014	EA	20 CY Dumpster (3 Ton) "Construction Debris"Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.						\$1,624.35
		Installation	Quantity	x	Unit Price	x	Factor	=	Total
			2.00		661.22		1.2283		1,624.35
		used for interior Construction debris							
84	01 74 19 00 0024	EA	Vacuum, Pickup, Swap And Dump, Concrete Washout BinIncludes vacuum the liquid from the full bin and pick up the bin, and recycle all material. An empty bin will be left at the site if the project is not completed.						\$847.65
		Installation	Quantity	x	Unit Price	x	Factor	=	Total
			1.00		690.10		1.2283		847.65
		Exterior sitwork							
85	02 41 13 13 0038	SF	>3" To 6" By Hand, Break-up And Remove Bituminous Paving						\$48.76
		Installation	Quantity	x	Unit Price	x	Factor	=	Total
			10.00		3.97		1.2283		48.76
		used for underground utility investigation							

Contractor's Price Proposal - Detail Continues..

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demo									
86	02 41 13 13 0038	SF	>3" To 6" By Hand, Break-up And Remove Bituminous Paving						\$487.64
		Installation	Quantity	Unit Price	Factor	=	Total		
			100.00	3.97	1.2283		487.64		
			x	x					
			Exterior demo						
87	02 41 16 13 0003	GSF	Up To 2,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck						\$8,892.89
		Installation	Quantity	Unit Price	Factor	=	Total		
			800.00	9.05	1.2283		8,892.89		
			x	x					
			Interior demo						
88	02 41 16 13 0003	GSF	Up To 2,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck						\$2,000.90
		Installation	Quantity	Unit Price	Factor	=	Total		
			180.00	9.05	1.2283		2,000.90		
			x	x					
			Bathroom walls						
89	02 41 19 13 0063	EA	Saw Cut Minimum ChargeFor projects where the total saw cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.						\$901.97
		Installation	Quantity	Unit Price	Factor	=	Total		
			1.00	734.32	1.2283		901.97		
			x	x					
			used exterior saw cut to occur at different time						
Subtotal for demo									\$20,105.04
doors									
90	08 12 13 13 0009	EA	3'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame						\$4,041.23
		Installation	Quantity	Unit Price	Factor	=	Total		
			10.00	329.01	1.2283		4,041.23		
			x	x					
91	08 17 23 00 0100	EA	3' x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door						\$5,121.89
		Installation	Quantity	Unit Price	Factor	=	Total		
			10.00	416.99	1.2283		5,121.89		
			x	x					
92	08 71 33 00 0065	LF	For Sealing Up To 3/4" Gap, Side Mount, Vinyl Tack On Door Sweep (Pemko V365)						\$61.02
		Installation	Quantity	Unit Price	Factor	=	Total		
			9.00	5.52	1.2283		61.02		
			x	x					
			Door hardware						
Subtotal for doors									\$9,224.14
drywall									
93	01 22 23 00 0053	WK	17' Electric, Scissor Platform Lift						\$464.43
		Installation	Quantity	Unit Price	Factor	=	Total		
			1.00	378.11	1.2283		464.43		
			x	x					
			Drywall installation						
94	01 71 13 00 0002	EA	First 25 Miles, Equipment Delivery, Pickup, Mobilization And Demobilization Using A Rollback Flatbed TruckIncludes delivery of equipment, off loading on site, rigging, dismantling, loading and transporting away. For equipment such as trenchers, skid-steer loaders (bobcats), industrial warehouse forklifts, sweepers, scissor platform lifts, telescoping and articulating boom manlifts with up to 40' boom lengths, etc.						\$247.28
		Installation	Quantity	Unit Price	Factor	=	Total		
			1.00	201.32	1.2283		247.28		
			x	x					
			scissor lift delivery						

Contractor's Price Proposal - Detail Continues..

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drywall

95	07 84 43 00 0009	CLF	1/2" x 1/2" Joint, Intumescent Firestop Sealant							\$4,592.27
		Installation	Quantity	Unit Price	Factor	=	Total			
			6.00	623.12	1.2283		4,592.27			
96	09 01 20 91 0002	SF	Up To 2 SF, Cut And Patch Hole In Drywall To Match ExistingPer location.							\$963.97
		Installation	Quantity	Unit Price	Factor	=	Total			
			48.00	16.35	1.2283		963.97			
97	09 01 20 91 0002	SF	Up To 2 SF, Cut And Patch Hole In Drywall To Match ExistingPer location.							\$1,606.62
		Installation	Quantity	Unit Price	Factor	=	Total			
			80.00	16.35	1.2283		1,606.62			
			Bathrooms							
98	09 01 20 91 0003	SF	>2 To 4 SF, Cut And Patch Hole In Drywall To Match ExistingPer location.							\$972.08
		Installation	Quantity	Unit Price	Factor	=	Total			
			60.00	13.19	1.2283		972.08			
			Bathrooms							
99	09 01 20 91 0003	SF	>2 To 4 SF, Cut And Patch Hole In Drywall To Match ExistingPer location.							\$2,592.20
		Installation	Quantity	Unit Price	Factor	=	Total			
			160.00	13.19	1.2283		2,592.20			
100	09 29 00 00 0036	SF	5/8" Fire Rated, Mesh Reinforced, Moisture And Mold Resistant Gypsum Board							\$520.01
		Installation	Quantity	Unit Price	Factor	=	Total			
			196.00	2.16	1.2283		520.01			
			Bathroom walls.							
101	09 29 00 00 0036 0049	MOD	For Horizontal Installation Up To 10' High, Add							\$98.71
		Installation	Quantity	Unit Price	Factor	=	Total			
			196.00	0.41	1.2283		98.71			
102	09 29 00 00 0036 0053	MOD	For >128 To 320, Add							\$96.30
		Installation	Quantity	Unit Price	Factor	=	Total			
			196.00	0.40	1.2283		96.30			
103	09 29 00 00 0036	SF	5/8" Fire Rated, Mesh Reinforced, Moisture And Mold Resistant Gypsum Board							\$5,587.49
		Installation	Quantity	Unit Price	Factor	=	Total			
			2,106.00	2.16	1.2283		5,587.49			
104	09 29 00 00 0036 0051	MOD	For Walls >10' High, Add							\$184.25
		Installation	Quantity	Unit Price	Factor	=	Total			
			1,500.00	0.10	1.2283		184.25			
105	09 29 00 00 0056	SF	Up To 10' High, Walls, Tape, Spackle And Finish Gypsum Board							\$557.45
		Installation	Quantity	Unit Price	Factor	=	Total			
			744.00	0.61	1.2283		557.45			
106	09 29 00 00 0057	SF	>10' High, Walls, Tape, Spackle And Finish Gypsum BoardUse this task for the entire wall area when the wall is >10' high.							\$2,095.31
		Installation	Quantity	Unit Price	Factor	=	Total			
			2,106.00	0.81	1.2283		2,095.31			
107	09 29 00 00 0059	SF	Up To 10' High, Ceilings, Tape, Spackle And Finish Gypsum Board							\$202.42
		Installation	Quantity	Unit Price	Factor	=	Total			
			206.00	0.80	1.2283		202.42			
108	09 29 00 00 0059 0043	MOD	For >128 To 320, Add							\$45.74
		Installation	Quantity	Unit Price	Factor	=	Total			
			196.00	0.19	1.2283		45.74			

Contractor's Price Proposal - Detail Continues..

Work Order Number: 071840.00
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drywall

109	09 29 00 00 0063	LF	>10' High, Vertical Corners, Tape, Spackle And Finish Gypsum Board	Use this task for the entire wall area when the wall is >10' high.					\$130.00
		Installation	Quantity	Unit Price	Factor	=	Total		
			72.00	1.47	1.2283		130.00		
110	09 29 00 00 0063	LF	>10' High, Vertical Corners, Tape, Spackle And Finish Gypsum Board	Use this task for the entire wall area when the wall is >10' high.					\$173.34
		Installation	Quantity	Unit Price	Factor	=	Total		
			96.00	1.47	1.2283		173.34		
111	09 29 00 00 0066	LF	>10' High, Horizontal Corners, Tape, Spackle And Finish Gypsum Board	Use this task for the entire wall area when the wall is >10' high.					\$224.74
		Installation	Quantity	Unit Price	Factor	=	Total		
			107.00	1.71	1.2283		224.74		
112	09 29 00 00 0066	LF	>10' High, Horizontal Corners, Tape, Spackle And Finish Gypsum Board	Use this task for the entire wall area when the wall is >10' high.					\$201.64
		Installation	Quantity	Unit Price	Factor	=	Total		
			96.00	1.71	1.2283		201.64		
113	09 29 00 00 0090	LF	5/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board						\$406.81
		Installation	Quantity	Unit Price	Factor	=	Total		
			96.00	3.45	1.2283		406.81		
114	09 29 00 00 0090	LF	5/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board						\$453.43
		Installation	Quantity	Unit Price	Factor	=	Total		
			107.00	3.45	1.2283		453.43		
115	09 29 00 00 0099	LF	5/8" Aluminum Extrusions, Edge Trim For Gypsum Board						\$402.17
		Installation	Quantity	Unit Price	Factor	=	Total		
			107.00	3.06	1.2283		402.17		
116	09 29 00 00 0099	LF	5/8" Aluminum Extrusions, Edge Trim For Gypsum Board						\$360.83
		Installation	Quantity	Unit Price	Factor	=	Total		
			96.00	3.06	1.2283		360.83		
117	09 29 00 00 0108	LF	5/8" x 5/8" Aluminum Extrusions, Bevel Trim For Gypsum Board						\$454.74
		Installation	Quantity	Unit Price	Factor	=	Total		
			107.00	3.46	1.2283		454.74		
118	09 29 00 00 0108	LF	5/8" x 5/8" Aluminum Extrusions, Bevel Trim For Gypsum Board						\$407.99
		Installation	Quantity	Unit Price	Factor	=	Total		
			96.00	3.46	1.2283		407.99		
119	09 29 00 00 0110	LF	1-1/2" Wide Aluminum Extrusions, Trim/Wainscot Cap For Gypsum Board						\$288.16
		Installation	Quantity	Unit Price	Factor	=	Total		
			60.00	3.91	1.2283		288.16		
120	09 29 00 00 0182	LF	5/8"R, Aluminum Extrusions, Outside Corner For Gypsum Board						\$441.01
		Installation	Quantity	Unit Price	Factor	=	Total		
			96.00	3.74	1.2283		441.01		
121	09 29 00 00 0182	LF	5/8"R, Aluminum Extrusions, Outside Corner For Gypsum Board						\$165.38
		Installation	Quantity	Unit Price	Factor	=	Total		
			36.00	3.74	1.2283		165.38		
122	09 29 00 00 0197	LF	5/8" R, Aluminum Extrusions, Corners Return For Gypsum Board						\$422.14
		Installation	Quantity	Unit Price	Factor	=	Total		
			96.00	3.58	1.2283		422.14		
123	09 29 00 00 0197	LF	5/8" R, Aluminum Extrusions, Corners Return For Gypsum Board						\$158.30
		Installation	Quantity	Unit Price	Factor	=	Total		
			36.00	3.58	1.2283		158.30		

Contractor's Price Proposal - Detail Continues..

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Subtotal for drywall **\$25,517.21**

Electrical

124	01 22 20 00 0030	HR	ElectricianFor tasks not included in the Construction Task Catalog® and as directed by owner only.						\$1,766.79	
			Installation	Quantity	Unit Price	Factor	=	Total		
				16.00	89.90	1.2283		1,766.79		
			Used to rewire electrical panel.							
125	01 51 13 00 0010	EA	Temporary 100 Amp Panelboard Complete With GFCI Circuit Breakers						\$1,410.15	
			Installation	Quantity	Unit Price	Factor	=	Total		
				1.00	1,148.05	1.2283		1,410.15		
			Temporary power							
126	01 51 13 00 0016	LF	Temporary Branch Circuit Conduit And Wiring For Temporary Disconnect Switches And Temporary Panelboards						\$978.71	
			Installation	Quantity	Unit Price	Factor	=	Total		
				120.00	6.64	1.2283		978.71		
			Temporary power							
127	01 51 13 00 0020	EA	Temporary 4 Pole Cord Grip Plug With Installation						\$898.72	
			Installation	Quantity	Unit Price	Factor	=	Total		
				2.00	365.84	1.2283		898.72		
			Temporary power							
128	01 51 26 00 0003	EA	Temporary Light Socket With Branch Wiring Connection And Lamp						\$140.86	
			Installation	Quantity	Unit Price	Factor	=	Total		
				4.00	28.67	1.2283		140.86		
			Temporary power							
129	23 05 29 00 0200	EA	3/4" Steel Pipe Clamp (Cooper B-Line B3140)						\$577.06	
			Installation	Quantity	Unit Price	Factor	=	Total		
				30.00	15.66	1.2283		577.06		
			Conduit supports							
130	23 05 29 00 0593	EA	5" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB20)						\$2,292.25	
			Installation	Quantity	Unit Price	Factor	=	Total		
				20.00	93.31	1.2283		2,292.25		
			Electrical conduit supports for A/C units							
131	26 01 20 91 0006	EA	Motors, Disconnects And Other Single Source Devices, Existing Circuit Tracing Per Device						\$692.39	
			Installation	Quantity	Unit Price	Factor	=	Total		
				30.00	18.79	1.2283		692.39		
132	26 05 19 16 0217	MLF	#12 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Aluminum Armor						\$849.97	
			Installation	Quantity	Unit Price	Factor	=	Total		
				0.20	3,459.94	1.2283		849.97		
			Light fixture whips							
133	26 05 33 13 0007	CLF	3/4" Electrical Metallic Tubing (EMT) With 3 #12 THHN/THWN AssemblyIncludes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.						\$2,190.95	
			Installation	Quantity	Unit Price	Factor	=	Total		
				2.50	713.49	1.2283		2,190.95		
			Bathrooms							

Contractor's Price Proposal - Detail Continues..

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Electrical

134	26 05 33 13 0007	CLF	3/4" Electrical Metallic Tubing (EMT) With 3 #12 THHN/THWN AssemblyIncludes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.						\$5,258.28
		Installation	Quantity	Unit Price	Factor	=	Total		
			6.00	713.49	1.2283		5,258.28		
			x	x					
			New receptacles						
135	26 05 33 13 0008	CLF	3/4" Electrical Metallic Tubing (EMT) With 4 #12 THHN/THWN AssemblyIncludes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.						\$2,845.37
		Installation	Quantity	Unit Price	Factor	=	Total		
			3.00	772.17	1.2283		2,845.37		
			x	x					
			power runs						
136	26 05 33 13 0008	CLF	3/4" Electrical Metallic Tubing (EMT) With 4 #12 THHN/THWN AssemblyIncludes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.						\$7,587.65
		Installation	Quantity	Unit Price	Factor	=	Total		
			8.00	772.17	1.2283		7,587.65		
			x	x					
			New lighting & switches						
137	26 05 33 13 0008 0011	MOD	For Work In Restricted Working Space, Add						\$740.81
		Installation	Quantity	Unit Price	Factor	=	Total		
			3.00	201.04	1.2283		740.81		
			x	x					
138	26 05 33 13 0031	CLF	3/4" Rigid Galvanized Steel (RGS) With 3 #10 THHN/THWN Wire AssemblyIncludes conduit, terminations, straps, wire as indicated. Not for use where detail is available.						\$2,819.93
		Installation	Quantity	Unit Price	Factor	=	Total		
			2.50	918.32	1.2283		2,819.93		
			x	x					
			HVAC conduits						
139	26 05 33 13 0031 0011	MOD	For Work In Restricted Working Space, Add						\$53.33
		Installation	Quantity	Unit Price	Factor	=	Total		
			0.20	217.07	1.2283		53.33		
			x	x					
140	26 05 33 13 0045	LF	3/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling						\$786.11
		Installation	Quantity	Unit Price	Factor	=	Total		
			100.00	6.40	1.2283		786.11		
			x	x					
			low voltage						
141	26 09 23 00 0120	EA	Ceiling Mount Sensor, Dimming Control, T-Bar Or Exposed CeilingIncludes one relay, 8' of plenum rated control wire, mounting, j-box.						\$565.04
		Installation	Quantity	Unit Price	Factor	=	Total		
			2.00	230.01	1.2283		565.04		
			x	x					
			Bathrooms						
142	26 09 23 00 0120	EA	Ceiling Mount Sensor, Dimming Control, T-Bar Or Exposed CeilingIncludes one relay, 8' of plenum rated control wire, mounting, j-box.						\$1,695.13
		Installation	Quantity	Unit Price	Factor	=	Total		
			6.00	230.01	1.2283		1,695.13		
			x	x					
143	26 09 23 00 0223	EA	Four Preset Lighting Level And Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-5B-WH)						\$332.24
		Installation	Quantity	Unit Price	Factor	=	Total		
			1.00	270.49	1.2283		332.24		
			x	x					
			Bathrooms						
144	26 27 26 00 0005	EA	1 Gang, 20 Amp, NEMA 5-20, Duplex Receptacle Assembly						\$2,570.18
		Installation	Quantity	Unit Price	Factor	=	Total		
			19.00	75.86	1.2283		1,770.40		
			x	x					
		Demolition	Quantity	Unit Price	Factor	=	Total		
			19.00	34.27	1.2283		799.78		
			x	x					

Contractor's Price Proposal - Detail Continues..

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Electrical

145	26	27	26	00	0009	EA	1 Gang, 20 Amp, GFI, Duplex Receptacle Assembly									\$106.25
							Installation	Quantity	Unit Price	Factor	=	Total				
								1.00	86.50	1.2283	=	106.25				
							Bathrooms									
146	26	27	26	00	0009	EA	1 Gang, 20 Amp, GFI, Duplex Receptacle Assembly									\$296.68
							Installation	Quantity	Unit Price	Factor	=	Total				
								2.00	86.50	1.2283	=	212.50				
							Demolition	Quantity	Unit Price	Factor	=	Total				
								2.00	34.27	1.2283	=	84.19				
147	26	27	26	00	0152	EA	20 Amp, 120/277 Volt, 3-Way Switch									\$85.88
							Installation	Quantity	Unit Price	Factor	=	Total				
								2.00	34.96	1.2283	=	85.88				
148	26	27	26	00	0152	EA	20 Amp, 120/277 Volt, 3-Way Switch									\$171.77
							Installation	Quantity	Unit Price	Factor	=	Total				
								4.00	34.96	1.2283	=	171.77				
149	26	27	26	00	0153	EA	20 Amp, 120/277 Volt, 4-Way Switch									\$92.68
							Installation	Quantity	Unit Price	Factor	=	Total				
								1.00	75.45	1.2283	=	92.68				
150	26	27	26	00	0182	EA	1,500 Watt Fluorescent Dimmer Switch									\$2,068.85
							Installation	Quantity	Unit Price	Factor	=	Total				
								6.00	280.72	1.2283	=	2,068.85				
151	26	51	13	00	0167	EA	3 T8 Lamps, 4' Length, Striplight Fluorescent Fixture									\$405.14
							Installation	Quantity	Unit Price	Factor	=	Total				
								4.00	49.48	1.2283	=	243.11				
							Demolition	Quantity	Unit Price	Factor	=	Total				
								4.00	32.98	1.2283	=	162.04				
							Remove and re-install existing strip lights in Library									
152	26	51	13	00	0258	EA	For Pendant Mounting 4' Long SectionPer pendant.									\$148.38
							Installation	Quantity	Unit Price	Factor	=	Total				
								8.00	15.10	1.2283	=	148.38				
							Lighting supports									
153	26	51	13	00	0260	EA	For Pendant Mounting 8' Long SectionPer pendant.									\$158.94
							Installation	Quantity	Unit Price	Factor	=	Total				
								5.00	25.88	1.2283	=	158.94				
							Lighting supports									
154	26	51	13	00	0364	EA	4,700 Lumens, 2' x 4', Architectural, Lay-In/Troffer LED Fixture (Metalux® Accord™ 2AC)									\$7,036.51
							Installation	Quantity	Unit Price	Factor	=	Total				
								14.00	370.77	1.2283	=	6,375.84				
							Demolition	Quantity	Unit Price	Factor	=	Total				
								14.00	38.42	1.2283	=	660.68				
							New light fixtures									
155	27	14	13	16	0148	MLF	5 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded									\$1,002.35
							Installation	Quantity	Unit Price	Factor	=	Total				
								0.40	2,040.11	1.2283	=	1,002.35				
							HVAC controls									

Subtotal for Electrical \$48,625.35

Fire Alarm

Contractor's Price Proposal - Detail Continues..

Work Order Number: 071840.00
Work Order Title: San Mateo PD Barracks Improvements

Fire Alarm

156	28 05 13 23 0009	MLF	2-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit					\$0.00
		Installation	Quantity	Unit Price	Factor	=	Total	
			0.00	2,552.88	1.2283		0.00	
		Not included in price						
157	28 46 21 33 0492	EA	Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9139)					\$0.00
		Installation	Quantity	Unit Price	Factor	=	Total	
			0.00	134.29	1.2283		0.00	
		Not included in price						
158	28 46 21 33 0881	EA	IFC-320 Intelligent Fire Alarm Panel; Single Printed Circuit Board With One SLC Loop (318 Devices), Back-lit, 80 Character Display, System And Programming Keypad And 6.0 Amp Power Supply, 120 VAC, Includes Door, Dress Panel And Back Box, Black (Johnson Controls, Inc. #IFC-320)					\$0.00
		Installation	Quantity	Unit Price	Factor	=	Total	
			0.00	3,260.13	1.2283		0.00	
		Not included in price						
159	28 46 21 33 2266	HR	Test And Certification Of Fire Alarm SystemGCC Programming and Engineering; Programming of the Fire Alarm System.					\$0.00
		Installation	Quantity	Unit Price	Factor	=	Total	
			0.00	127.45	1.2283		0.00	
		Not included in price						

Subtotal for Fire Alarm **\$0.00**

Fire Sprinkler

160	21 05 23 00 0005	EA	1-1/2" Threaded TESTanDRAIN® Valve (AGF 1000)					\$342.34
		Installation	Quantity	Unit Price	Factor	=	Total	
			1.00	278.71	1.2283		342.34	
		sprinklers						
161	21 12 29 00 0012	EA	Pressure-Type Water Flow Detector For Up To 2-1/2" Pipe					\$570.28
		Installation	Quantity	Unit Price	Factor	=	Total	
			2.00	232.14	1.2283		570.28	
		sprinklers						
162	21 13 13 00 0004	EA	Concealed Piping, Light Hazard, Complete Wet-Pipe Sprinkler System, Per HeadIncludes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.					\$46,112.84
		Installation	Quantity	Unit Price	Factor	=	Total	
			100.00	375.42	1.2283		46,112.84	
		2-Head Calculation, using PVC.						
163	21 13 13 00 0004 0008	MOD	For >100 To 150, Deduct					\$0.00
		Installation	Quantity	Unit Price	Factor	=	Total	
			0.00	-37.54	1.2283		0.00	
164	21 13 13 00 0013	EA	2" Wet-Pipe Alarm Valve					\$1,568.58
		Installation	Quantity	Unit Price	Factor	=	Total	
			1.00	1,277.03	1.2283		1,568.58	
		Sprinklers						

Subtotal for Fire Sprinkler **\$48,594.04**

Flooring

Contractor's Price Proposal - Detail Continues..

Work Order Number: 071840.00
Work Order Title: San Mateo PD Barracks Improvements

Flooring

165	01 22 20 00 0020	EA	Tile Layer (Floor) Minimum Charge	This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.						\$892.32
		Installation	Quantity	Unit Price	Factor	=	Total			
			1.00	726.47	x	1.2283				892.32
			Tile patch back							
166	01 95 08 00 0072	EA	Aluminum Threshold							\$156.72
		Installation	Quantity	Unit Price	Factor	=	Total			
			3.00	42.53	x	1.2283				156.72
			New thresholds where							
167	03 54 16 00 0003	SF	1/4" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation							\$2,640.85
		Installation	Quantity	Unit Price	Factor	=	Total			
			1,000.00	2.15	x	1.2283				2,640.85
			Floor prep all areas							
168	03 54 16 00 0006	SF	1" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation							\$1,250.51
		Installation	Quantity	Unit Price	Factor	=	Total			
			168.00	6.06	x	1.2283				1,250.51
			Used to slope floor to drain							
169	09 01 60 91 0012	SY	Grinding Of Existing Concrete Floor Prior To Installation Of Carpet							\$337.82
		Installation	Quantity	Unit Price	Factor	=	Total			
			22.90	12.01	x	1.2283				337.82
170	09 65 13 13 0007	LF	4" High, 1/8" Rubber Base, Group 2 All (Except White)							\$938.42
		Installation	Quantity	Unit Price	Factor	=	Total			
			200.00	3.82	x	1.2283				938.42
171	09 67 23 00 0002	SF	Heavy Duty Epoxy Resinous Chemical Resistant Industrial Flooring							\$3,995.34
		Installation	Quantity	Unit Price	Factor	=	Total			
			206.00	15.79	x	1.2283				3,995.34
			Bathrooms							
172	09 68 13 00 0024	SY	28 Ounce, Patterned, Nylon Carpet Tile							\$9,854.96
		Installation	Quantity	Unit Price	Factor	=	Total			
			111.11	66.23	x	1.2283				9,038.83
		Demolition	Quantity	Unit Price	Factor	=	Total			
			111.11	5.98	x	1.2283				816.13
173	09 68 13 00 0024 0380	MOD	For Cushion Backed Tile, Add							\$818.86
		Installation	Quantity	Unit Price	Factor	=	Total			
			111.11	6.00	x	1.2283				818.86

Subtotal for Flooring **\$20,885.80**

Framing

174	01 22 20 00 0026	HR	Carpenter	For tasks not included in the Construction Task Catalog® and as directed by owner only.						\$17,931.21
		Installation	Quantity	Unit Price	Factor	=	Total			
			160.00	91.24	x	1.2283				17,931.21
			Used for new structural additions Page S1.1, Roof Framing Plan Detail plus structural framing where required at openings and office where walls was demolished							
175	01 22 23 00 0053	WK	17' Electric, Scissor Platform Lift							\$464.43
		Installation	Quantity	Unit Price	Factor	=	Total			
			1.00	378.11	x	1.2283				464.43
			Framing installations							

Contractor's Price Proposal - Detail Continues..

Work Order Number: 071840.00
Work Order Title: San Mateo PD Barracks Improvements

Framing

176	01 71 13 00 0002	EA	First 25 Miles, Equipment Delivery, Pickup, Mobilization And Demobilization Using A Rollback Flatbed Truck Includes delivery of equipment, off loading on site, rigging, dismantling, loading and transporting away. For equipment such as trenchers, skid-steer loaders (bobcats), industrial warehouse forklifts, sweepers, scissor platform lifts, telescoping and articulating boom manlifts with up to 40' boom lengths, etc.						\$247.28
			Installation	Quantity	Unit Price	Factor	=	Total	
				1.00	201.32	1.2283		247.28	
			scissor lift delivery						
177	05 05 23 00 1026	EA	3/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt						\$584.87
			Installation	Quantity	Unit Price	Factor	=	Total	
				64.00	7.44	1.2283		584.87	
			Used to assemble HVAC duct supports						
178	05 05 23 00 1454	EA	3/8" Inside Diameter, 316 Stainless Steel Flat Washer						\$24.37
			Installation	Quantity	Unit Price	Factor	=	Total	
				64.00	0.31	1.2283		24.37	
			Used to assemble HVAC duct supports						
179	05 05 23 00 1505	EA	3/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer						\$10.22
			Installation	Quantity	Unit Price	Factor	=	Total	
				64.00	0.13	1.2283		10.22	
			Used to assemble HVAC duct supports						
180	05 43 00 00 0030	EA	3/8-16, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel						\$839.57
			Installation	Quantity	Unit Price	Factor	=	Total	
				64.00	10.68	1.2283		839.57	
			Used to assemble HVAC duct supports						
181	07 72 13 00 0048	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb						\$1,177.18
			Installation	Quantity	Unit Price	Factor	=	Total	
				2.00	479.19	1.2283		1,177.18	
			New HVAC platforms						
182	09 22 16 13 0022	SF	4" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners						\$887.32
			Installation	Quantity	Unit Price	Factor	=	Total	
				168.00	4.30	1.2283		887.32	
			Bathroom ceiling						
183	09 22 16 13 0022	SF	4" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners						\$1,035.21
			Installation	Quantity	Unit Price	Factor	=	Total	
				196.00	4.30	1.2283		1,035.21	
			Bathroom walls.						
184	09 22 16 13 0022 0010	MOD	For >100 To 300, Add						\$146.86
			Installation	Quantity	Unit Price	Factor	=	Total	
				196.00	0.61	1.2283		146.86	
185	09 22 16 13 0049	LF	12" Wide, 14 Gauge Galvanized Steel Backing Plate						\$293.02
			Installation	Quantity	Unit Price	Factor	=	Total	
				42.00	5.68	1.2283		293.02	
			Bathrooms						
186	23 05 48 13 0033	EA	550-1,920 LB Rubber In Shear Vibration Isolation With 0.48" Deflection						\$4,026.37
			Installation	Quantity	Unit Price	Factor	=	Total	
				8.00	409.75	1.2283		4,026.37	
			HVAC vibration isolation						

Contractor's Price Proposal - Detail Continues..

Work Order Number: 071840.00
Work Order Title: San Mateo PD Barracks Improvements

Framing

187	26 05 29 00 0014	LF	>2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel						\$6,135.21	
		Installation	Quantity	Unit Price	Factor	=	Total			
			264.00	18.92	1.2283		6,135.21			
			HVAC duct supports							
188	26 05 29 00 0043	EA	Stainless Steel End Cap For Unistrut Channel						\$891.45	
		Installation	Quantity	Unit Price	Factor	=	Total			
			48.00	15.12	1.2283		891.45			
			HVAC duct supports							
189	26 05 29 00 0061	EA	2-Hole, 1-7/8" x 2", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting						\$330.95	
		Installation	Quantity	Unit Price	Factor	=	Total			
			32.00	8.42	1.2283		330.95			
			HVAC duct supports							

Subtotal for Framing **\$35,025.52**

General

190	01 22 20 00 0091	HR	Flagperson For Traffic Control						\$2,673.17	
		Installation	Quantity	Unit Price	Factor	=	Total			
			32.00	68.01	1.2283		2,673.17			
			Safety/traffic control while operating crane equipment, material deliveries and site work operations as necessary due to site operation							
191	01 66 19 00 0049	CY	Transfer Delivered Materials Distances Greater Than 125', Per CY Of Material Per 125'For delivery, demolition or miscellaneous moving required by owner.						\$1,375.20	
		Installation	Quantity	Unit Price	Factor	=	Total			
			90.00	12.44	1.2283		1,375.20			

Subtotal for General **\$4,048.37**

HVAC

192	01 22 23 00 0052	DAY	17' Electric, Scissor Platform Lift						\$928.89	
		Installation	Quantity	Unit Price	Factor	=	Total			
			4.00	189.06	1.2283		928.89			
			HVAC installations							
193	01 22 23 00 0927	DAY	20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator						\$3,763.61	
		Installation	Quantity	Unit Price	Factor	=	Total			
			2.00	1,532.04	1.2283		3,763.61			
			Used to demo existing units and then come back and install two new units on roof							
194	01 56 26 00 0182	LF	48" High With Posts At 8' On Center, Plastic Mesh Temporary Safety Fence						\$884.38	
		Installation	Quantity	Unit Price	Factor	=	Total			
			300.00	2.40	1.2283		884.38			
			Used for Crane safety							
195	01 71 13 00 0002	EA	First 25 Miles, Equipment Delivery, Pickup, Mobilization And Demobilization Using A Rollback Flatbed TruckIncludes delivery of equipment, off loading on site, rigging, dismantling, loading and transporting away. For equipment such as trenchers, skid-steer loaders (bobcats), industrial warehouse forklifts, sweepers, scissor platform lifts, telescoping and articulating boom manlifts with up to 40' boom lengths, etc.						\$247.28	
		Installation	Quantity	Unit Price	Factor	=	Total			
			1.00	201.32	1.2283		247.28			
			scissor lift delivery							

Contractor's Price Proposal - Detail Continues..

Work Order Number: 071840.00
Work Order Title: San Mateo PD Barracks Improvements

HVAC

196	23 05 29 00 0178	EA	6" Steel Adjustable Roller Support (Cooper B-Line B3122)						\$233.16	
			Installation	Quantity	Unit Price	Factor	=	Total		
				2.00	94.91	1.2283		233.16		
			HVAC duct supports							
197	23 05 29 00 0180	EA	10" Steel Adjustable Roller Support (Cooper B-Line B3122)						\$1,441.39	
			Installation	Quantity	Unit Price	Factor	=	Total		
				7.00	167.64	1.2283		1,441.39		
			HVAC duct supports							
198	23 05 29 00 0181	EA	12" Steel Adjustable Roller Support (Cooper B-Line B3122)						\$715.87	
			Installation	Quantity	Unit Price	Factor	=	Total		
				3.00	194.27	1.2283		715.87		
			HVAC duct supports							
199	23 05 29 00 0182	EA	14" Steel Adjustable Roller Support (Cooper B-Line B3122)						\$1,367.93	
			Installation	Quantity	Unit Price	Factor	=	Total		
				4.00	278.42	1.2283		1,367.93		
			HVAC duct supports							
200	23 05 29 00 0183	EA	16" Steel Adjustable Roller Support (Cooper B-Line B3122)						\$1,231.97	
			Installation	Quantity	Unit Price	Factor	=	Total		
				3.00	334.33	1.2283		1,231.97		
			HVAC duct supports							
201	23 05 29 00 0593	EA	5" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB20)						\$1,833.80	
			Installation	Quantity	Unit Price	Factor	=	Total		
				16.00	93.31	1.2283		1,833.80		
			HVAC duct supports							
202	23 05 93 00 0016	EA	Balancing HVAC Duct System, Ceiling Height >12' Supply, Return, Exhaust, Register And Diffuser						\$2,803.79	
			Installation	Quantity	Unit Price	Factor	=	Total		
				19.00	120.14	1.2283		2,803.79		
203	23 09 23 00 0003	HR	EMCS Site Inspection Of Existing Facilities						\$2,196.69	
			Installation	Quantity	Unit Price	Factor	=	Total		
				8.00	223.55	1.2283		2,196.69		
			Site inspection to verify mechanical layout and path of travel, controls locations							
204	23 09 23 00 0009	HR	EMCS On Site System Diagnostics Field Technician						\$2,196.69	
			Installation	Quantity	Unit Price	Factor	=	Total		
				8.00	223.55	1.2283		2,196.69		
			Start up and commissioning of units							
205	23 09 23 00 0095	EA	Install And Wire Exhaust Fan DDC ControlStart or stop and status.						\$1,144.04	
			Installation	Quantity	Unit Price	Factor	=	Total		
				2.00	465.70	1.2283		1,144.04		
206	23 09 23 00 2092	EA	Labor To Install Linear Actuator On Contractor Supplied Up To 1-1/2" Other Brand Valve						\$757.84	
			Installation	Quantity	Unit Price	Factor	=	Total		
				2.00	308.49	1.2283		757.84		
			Actuator installation							

Contractor's Price Proposal - Detail Continues..

Work Order Number: 071840.00
Work Order Title: San Mateo PD Barracks Improvements

HVAC

207	23 31 13 13 0003	LB	Sheet Metal Ductwork, Low Pressure, Field Fabricated, Galvanized, Field Assemble And Install						\$20,704.22	
			Installation	Quantity	Unit Price	Factor	=	Total		
				1,600.00	9.29	1.2283		18,257.45		
			Demolition	Quantity	Unit Price	Factor	=	Total		
				800.00	2.49	1.2283		2,446.77		
			HVAC duct							
208	23 31 13 13 0003 0154	MOD	For >1,000 To 2,000, Add						\$1,532.92	
			Installation	Quantity	Unit Price	Factor	=	Total		
				1,600.00	0.78	1.2283		1,532.92		
209	23 37 13 00 0032	EA	12" x 12" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper						\$2,143.53	
			Installation	Quantity	Unit Price	Factor	=	Total		
				16.00	109.07	1.2283		2,143.53		
			Duct diffusers							
210	23 74 16 00 0004	EA	4 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop UnitElectric load approximately 1/2 the cooling capacity.						\$15,586.16	
			Installation	Quantity	Unit Price	Factor	=	Total		
				2.00	6,114.08	1.2283		15,019.85		
			Demolition	Quantity	Unit Price	Factor	=	Total		
				1.00	461.05	1.2283		566.31		
211	23 74 16 00 0004 0523	MOD	For Unit Economizer, Add						\$1,757.08	
			Installation	Quantity	Unit Price	Factor	=	Total		
				2.00	715.25	1.2283		1,757.08		
212	23 74 16 00 0004 0524	MOD	For Equipment Base Roof Curbs, Add						\$1,183.12	
			Installation	Quantity	Unit Price	Factor	=	Total		
				2.00	481.61	1.2283		1,183.12		
213	28 46 21 33 1408	EA	Intelligent Addressable Laser Duct Smoke Detector (Notifier FSL-751D)						\$1,866.99	
			Installation	Quantity	Unit Price	Factor	=	Total		
				2.00	759.99	1.2283		1,866.99		

Subtotal for HVAC **\$66,521.35**

insulation

214	07 21 16 00 0004	SF	3-1/2" Thick, Kraft Faced, R-13 Fiberglass Flexible Insulation						\$1,908.34	
			Installation	Quantity	Unit Price	Factor	=	Total		
				1,284.00	1.21	1.2283		1,908.34		
			New walls interior							
215	07 21 16 00 0004	SF	3-1/2" Thick, Kraft Faced, R-13 Fiberglass Flexible Insulation						\$1,188.99	
			Installation	Quantity	Unit Price	Factor	=	Total		
				800.00	1.21	1.2283		1,188.99		
			New walls exterior							
216	23 33 53 00 0004	SF	1" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board						\$8,961.68	
			Installation	Quantity	Unit Price	Factor	=	Total		
				600.00	12.16	1.2283		8,961.68		
			HVAC duct							

Subtotal for insulation **\$12,059.01**

No Category Input

Contractor's Price Proposal - Detail Continues..

Work Order Number: 071840.00
Work Order Title: San Mateo PD Barracks Improvements

No Category Input

217	01 22 16 00 0002	EA	Reimbursable Fees	Reimbursable Fees will be paid to the contractor for eligible costs. The base cost of the Reimbursable Fee is \$1.00. Insert the appropriate quantity to adjust the base cost to the actual Reimbursable Fee (e.g. quantity of 125 = \$125.00 Reimbursable Fee). If there are multiple Reimbursable Fees, list each one separately and add a comment in the "note" block to identify the Reimbursable Fee (e.g. sidewalk closure, road cut, various permits, extended warrantee, expedited shipping costs, etc.). A copy of each receipt shall be submitted with the Price Proposal.						\$11,501.68	
		Installation	Quantity	Unit Price	Factor	=	Total				
			10,456.07	1.00	1.1000		11,501.68				
			Bond fee, 2% of \$515,101.27								
218	08 44 13 00 0030	LF	Aluminum System Curtain Wall, 1-1/2" x 3" Head Aluminum Framed Window Walls							\$185.92	
		Installation	Quantity	Unit Price	Factor	=	Total				
			8.00	18.92	1.2283		185.92				
			Shower rods								
219	08 44 13 00 0030 0308	MOD	For Stainless Steel, Add							\$76.15	
		Installation	Quantity	Unit Price	Factor	=	Total				
			8.00	7.75	1.2283		76.15				

Subtotal for No Category Input **\$11,763.75**

Paint

220	09 91 13 00 0086	SF	Paint Exterior Stucco Wall Surfaces 1 Coat Primer, Brush Work							\$456.93	
		Installation	Quantity	Unit Price	Factor	=	Total				
			300.00	1.24	1.2283		456.93				
221	09 91 13 00 0088	SF	Paint Exterior Stucco Wall Surfaces, 2 Coats Paint, Brush Work							\$932.28	
		Installation	Quantity	Unit Price	Factor	=	Total				
			300.00	2.53	1.2283		932.28				
222	09 91 13 00 0291	LF	Paint Exterior Metal Window Frame And Trim, 1 Coat Primer, Brush/Roller Work							\$84.75	
		Installation	Quantity	Unit Price	Factor	=	Total				
			60.00	1.15	1.2283		84.75				
223	09 91 13 00 0293	LF	Paint Exterior Metal Window Frame And Trim, 2 Coats Paint, Brush/Roller Work							\$103.91	
		Installation	Quantity	Unit Price	Factor	=	Total				
			60.00	1.41	1.2283		103.91				
224	09 91 23 00 0060	SF	Paint Interior Plaster/Drywall Walls, 2 Coats Paint, Brush Work							\$825.42	
		Installation	Quantity	Unit Price	Factor	=	Total				
			420.00	1.60	1.2283		825.42				
			Bathrooms								
225	09 91 23 00 0060 0287	MOD	For >250 To 500, Add							\$113.49	
		Installation	Quantity	Unit Price	Factor	=	Total				
			420.00	0.22	1.2283		113.49				
226	09 91 23 00 0062	SF	Paint Interior Plaster/Drywall Walls, 1 Coat Primer, Brush/Roller Work							\$335.33	
		Installation	Quantity	Unit Price	Factor	=	Total				
			420.00	0.65	1.2283		335.33				
			Bathrooms								
227	09 91 23 00 0062	SF	Paint Interior Plaster/Drywall Walls, 1 Coat Primer, Brush/Roller Work							\$1,681.42	
		Installation	Quantity	Unit Price	Factor	=	Total				
			2,106.00	0.65	1.2283		1,681.42				

Contractor's Price Proposal - Detail Continues..

Work Order Number: 071840.00
Work Order Title: San Mateo PD Barracks Improvements

Paint									
228	09 91 23 00 0064	SF	Paint Interior Plaster/Drywall Walls, 2 Coats Paint, Brush/Roller Work						\$3,362.84
		Installation	Quantity	Unit Price	Factor	=	Total		
			2,106.00	1.30	1.2283		3,362.84		
229	09 91 23 00 0148	SF	Paint Interior Drywall/Plaster Ceiling, 1 Coat Primer, Brush Work						\$185.72
		Installation	Quantity	Unit Price	Factor	=	Total		
			168.00	0.90	1.2283		185.72		
			Bathrooms						
230	09 91 23 00 0148 0286	MOD	For >100 To 250, Add						\$59.84
		Installation	Quantity	Unit Price	Factor	=	Total		
			168.00	0.29	1.2283		59.84		
231	09 91 23 00 0150	SF	Paint Interior Drywall/Plaster Ceiling, 2 Coats Paint, Brush Work						\$361.12
		Installation	Quantity	Unit Price	Factor	=	Total		
			168.00	1.75	1.2283		361.12		
			Bathrooms						
232	09 91 23 00 0150 0286	MOD	For >100 To 250, Add						\$117.62
		Installation	Quantity	Unit Price	Factor	=	Total		
			168.00	0.57	1.2283		117.62		
233	09 91 23 00 0244	LF	Paint Interior Metal Door Frame And Trim, 2 Coats Paint, Brush/Roller Work						\$510.73
		Installation	Quantity	Unit Price	Factor	=	Total		
			180.00	2.31	1.2283		510.73		
234	09 91 23 00 0244	LF	Paint Interior Metal Door Frame And Trim, 2 Coats Paint, Brush/Roller Work						\$102.15
		Installation	Quantity	Unit Price	Factor	=	Total		
			36.00	2.31	1.2283		102.15		
235	09 91 23 00 0246	EA	Paint Interior Metal Door, One Face, 1 Coat Primer, Brush/Roller Work						\$526.08
		Installation	Quantity	Unit Price	Factor	=	Total		
			10.00	42.83	1.2283		526.08		
236	09 91 23 00 0246	EA	Paint Interior Metal Door, One Face, 1 Coat Primer, Brush/Roller Work						\$210.43
		Installation	Quantity	Unit Price	Factor	=	Total		
			4.00	42.83	1.2283		210.43		
237	09 91 23 00 0251	EA	Paint Interior Metal Door, Both Faces, 2 Coats Paint, Brush/Roller Work						\$1,665.82
		Installation	Quantity	Unit Price	Factor	=	Total		
			10.00	135.62	1.2283		1,665.82		
238	09 91 23 00 0297	LF	Paint Interior Metal Window Frame And Trim, 1 Coat Primer, Brush/Roller Work Brush/roller work.						\$178.35
		Installation	Quantity	Unit Price	Factor	=	Total		
			120.00	1.21	1.2283		178.35		

Subtotal for Paint **\$11,814.23**

plumbing

239	01 22 20 00 0015	EA	Plumber Minimum Charge This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.						\$1,138.46
		Installation	Quantity	Unit Price	Factor	=	Total		
			1.00	926.86	1.2283		1,138.46		
			used for site investigation mechanical / HVAC testing						

Contractor's Price Proposal - Detail Continues..

Work Order Number: 071840.00
Work Order Title: San Mateo PD Barracks Improvements

plumbing

240	01 22 20 00 0017	EA	Roofer, Composite Built-Up Minimum ChargeThis task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.						\$1,117.81	
		Installation	Quantity	Unit Price	Factor	=	Total			
			1.00	910.05	1.2283		1,117.81			
			x	x						
			Plumbing vent pipes.							
241	01 22 23 00 0052	DAY	17' Electric, Scissor Platform Lift						\$696.67	
		Installation	Quantity	Unit Price	Factor	=	Total			
			3.00	189.06	1.2283		696.67			
			x	x						
			Plumbing installations							
242	01 71 13 00 0002	EA	First 25 Miles, Equipment Delivery, Pickup, Mobilization And Demobilization Using A Rollback Flatbed TruckIncludes delivery of equipment, off loading on site, rigging, dismantling, loading and transporting away. For equipment such as trenchers, skid-steer loaders (bobcats), industrial warehouse forklifts, sweepers, scissor platform lifts, telescoping and articulating boom manlifts with up to 40' boom lengths, etc.						\$247.28	
		Installation	Quantity	Unit Price	Factor	=	Total			
			1.00	201.32	1.2283		247.28			
			x	x						
			scissor lift delivery							
243	01 74 19 00 0018	EA	15 CY Low-Boy Dumpster Clean RecyclableFor clean dirt, rock, concrete brick or asphalt with no trash or organics. Includes service to deliver and pick-up dumpster, hauling, rental and disposal fee.						\$1,240.36	
		Installation	Quantity	Unit Price	Factor	=	Total			
			1.00	1,009.82	1.2283		1,240.36			
			x	x						
			spoils removed from bathroom concrete slab							
244	01 74 19 00 0024	EA	Vacuum, Pickup, Swap And Dump, Concrete Washout BinIncludes vacuum the liquid from the full bin and pick up the bin, and recycle all material. An empty bin will be left at the site if the project is not completed.						\$847.65	
		Installation	Quantity	Unit Price	Factor	=	Total			
			1.00	690.10	1.2283		847.65			
			x	x						
			Interior slab at bathroom							
245	01 95 22 00 0015	EA	Pressure Balancing Shower Valve (Symmons BP-46-2-X)						\$358.20	
		Installation	Quantity	Unit Price	Factor	=	Total			
			2.00	145.81	1.2283		358.20			
			x	x						
246	02 41 13 13 0042	SF	>6" To 8" By Hand, Break-up And Remove Concrete Paving						\$1,378.45	
		Installation	Quantity	Unit Price	Factor	=	Total			
			168.00	6.68	1.2283		1,378.45			
			x	x						
			Interior demo							
247	02 41 19 13 0063	EA	Saw Cut Minimum ChargeFor projects where the total saw cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.						\$901.97	
		Installation	Quantity	Unit Price	Factor	=	Total			
			1.00	734.32	1.2283		901.97			
			x	x						
			Interior concrete slab							
248	22 12 23 13 0027	EA	80 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (Raypak RSS80A)						\$3,455.85	
		Installation	Quantity	Unit Price	Factor	=	Total			
			1.00	2,476.60	1.2283		3,042.01			
			x	x						
		Demolition	Quantity	Unit Price	Factor	=	Total			
			1.00	336.92	1.2283		413.84			
			x	x						
			Hot water tank							

Contractor's Price Proposal - Detail Continues..

Work Order Number: 071840.00
Work Order Title: San Mateo PD Barracks Improvements

Plumbing

249	22 13 13 00 0004	EA	Wall Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.						\$2,111.77
		Installation	Quantity	Unit Price	Factor	=	Total		
			2.00	859.63	x	1.2283	=	2,111.77	
250	22 13 13 00 0012	EA	Wall Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.						\$1,628.06
		Installation	Quantity	Unit Price	Factor	=	Total		
			2.00	662.73	x	1.2283	=	1,628.06	
		Bathrooms							
251	22 13 13 00 0016	EA	Bathtub/Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.						\$1,636.73
		Installation	Quantity	Unit Price	Factor	=	Total		
			2.00	666.26	x	1.2283	=	1,636.73	
		Bathrooms							
252	22 13 16 00 0005	LF	4" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.						\$1,530.56
		Installation	Quantity	Unit Price	Factor	=	Total		
			24.00	41.72	x	1.2283	=	1,229.87	
		Demolition	Quantity	Unit Price	Factor	=	Total		
			24.00	10.20	x	1.2283	=	300.69	
		Bathrooms							
253	22 13 16 00 0005 0138	MOD	For Work In Restricted Working Space, Add						\$200.16
		Installation	Quantity	Unit Price	Factor	=	Total		
			24.00	6.79	x	1.2283	=	200.16	
254	22 13 16 00 0052	EA	4" Bell And Spigot Cast Iron 1/4 Bend						\$1,497.35
		Installation	Quantity	Unit Price	Factor	=	Total		
			8.00	116.25	x	1.2283	=	1,142.32	
		Demolition	Quantity	Unit Price	Factor	=	Total		
			8.00	36.13	x	1.2283	=	355.03	
		Bathrooms							
255	22 13 16 00 0052 0138	MOD	For Work In Restricted Working Space, Add						\$159.68
		Installation	Quantity	Unit Price	Factor	=	Total		
			8.00	16.25	x	1.2283	=	159.68	
256	22 13 16 00 0072	EA	4" Bell And Spigot Cast Iron Wye						\$286.53
		Installation	Quantity	Unit Price	Factor	=	Total		
			1.00	155.78	x	1.2283	=	191.34	
		Demolition	Quantity	Unit Price	Factor	=	Total		
			1.00	77.49	x	1.2283	=	95.18	
		Bathrooms							
257	22 13 16 00 0251	EA	4", Cut And Prepare Existing In-Place Cast Iron Pipe						\$67.41
		Installation	Quantity	Unit Price	Factor	=	Total		
			4.00	13.72	x	1.2283	=	67.41	
		Bathrooms							
258	22 13 16 00 0251 0138	MOD	For Work In Restricted Working Space, Add						\$20.24
		Installation	Quantity	Unit Price	Factor	=	Total		
			4.00	4.12	x	1.2283	=	20.24	
259	22 13 16 00 0470	EA	4" No Hub Coupling						\$108.34
		Installation	Quantity	Unit Price	Factor	=	Total		
			12.00	7.35	x	1.2283	=	108.34	
		Bathrooms							

Contractor's Price Proposal - Detail Continues..

Work Order Number: 071840.00
Work Order Title: San Mateo PD Barracks Improvements

Plumbing

260	22 13 16 00 0498	LF	1-1/2" Hard Drawn DWV Copper Tube/Pipe				\$479.28
			Quantity		Unit Price	Factor	Total
		Installation	20.00	x	15.09	1.2283	370.70
		Demolition	20.00	x	4.42	1.2283	108.58
		Bathrooms					
261	22 13 16 00 0844	EA	2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing				\$204.09
			Quantity		Unit Price	Factor	Total
		Installation	4.00	x	25.54	1.2283	125.48
		Demolition	4.00	x	16.00	1.2283	78.61
		Bathrooms					
262	22 13 19 13 0134	EA	2" Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG22)Prevents emission of sewer gases.				\$394.21
			Quantity		Unit Price	Factor	Total
		Installation	6.00	x	53.49	1.2283	394.21
263	22 13 19 13 0134	EA	2" Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG22)Prevents emission of sewer gases.				\$157.27
			Quantity		Unit Price	Factor	Total
		Installation	2.00	x	53.49	1.2283	131.40
		Demolition	2.00	x	10.53	1.2283	25.87
		Bathrooms					
264	22 42 13 13 0045	EA	Wall Hung Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2105-T-1-HS)				\$9,499.11
			Quantity		Unit Price	Factor	Total
		Installation	2.00	x	3,677.25	1.2283	9,033.53
		Demolition	2.00	x	189.52	1.2283	465.57
		Bathroom fixtures					
265	22 42 16 13 0054	EA	18" x 15" Wall Mounted Lavatory, Stainless Steel (Acorn 1950-1)				\$5,108.34
			Quantity		Unit Price	Factor	Total
		Installation	2.00	x	1,858.32	1.2283	4,565.15
		Demolition	3.00	x	147.41	1.2283	543.19
		Bathroom fixtures					
266	22 42 23 00 0011	EA	40" x 48" x 82" Handicapped, Solid Plastic Shower Enclosure (General Partitions)				\$9,007.44
			Quantity		Unit Price	Factor	Total
		Installation	3.00	x	2,444.42	1.2283	9,007.44
		Actual units being installed are 76"(multiply by 1.5)= 3 units					
267	22 42 23 00 0081	SF	Polyvinyl Chloride (PVC) Shower Pan Liner				\$148.87
			Quantity		Unit Price	Factor	Total
		Installation	40.00	x	3.03	1.2283	148.87
268	22 42 39 00 0104	EA	Stainless Steel Single Supply Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-60)				\$2,123.26
			Quantity		Unit Price	Factor	Total
		Installation	2.00	x	807.46	1.2283	1,983.61
		Demolition	2.00	x	56.85	1.2283	139.66
269	22 42 39 00 0183	EA	Electronic Lavatory Faucet, AC Power, Deck Mount (T&S Brass EC1100)				\$1,657.09
			Quantity		Unit Price	Factor	Total
		Installation	2.00	x	569.17	1.2283	1,398.22
		Demolition	3.00	x	70.25	1.2283	258.86
		Bathroom fixtures					

Contractor's Price Proposal - Detail Continues..

Work Order Number: 071840.00
Work Order Title: San Mateo PD Barracks Improvements

Plumbing

270	22	42	43	00	0021	EA	Concealed Infrared Water Closet Flush Valve, Back Spud 1.28 GPF (Toto EcoPower TET2LN31 Or TET3LN31)					\$2,023.06
							Quantity	Unit Price	Factor	=	Total	
						Installation	2.00	794.80	x	1.2283	=	1,952.51
						Demolition	2.00	28.72	x	1.2283	=	70.55
							Bathroom fixtures					
271	23	05	29	00	0593	EA	5" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB20)					\$1,146.13
							Quantity	Unit Price	Factor	=	Total	
						Installation	10.00	93.31	x	1.2283	=	1,146.13
							Condensate drain line supports for A/C units					
272	23	11	23	00	0007	LF	1-1/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe					\$2,514.94
							Quantity	Unit Price	Factor	=	Total	
						Installation	225.00	9.10	x	1.2283	=	2,514.94
							Gas lines to new HVAC units.					
273	23	11	23	00	0020	EA	1-1/2" x 1-1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe					\$294.42
							Quantity	Unit Price	Factor	=	Total	
						Installation	2.00	119.85	x	1.2283	=	294.42
							Gas lines to new HVAC units.					
274	23	34	16	00	0211	EA	1/6 HP, 1,350 CFM At 1/8" Static Pressure, 14" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan					\$1,813.56
							Quantity	Unit Price	Factor	=	Total	
						Installation	2.00	738.24	x	1.2283	=	1,813.56
							Bathroom exhaust fans					
275	23	51	16	00	0004	LF	4" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe					\$815.98
							Quantity	Unit Price	Factor	=	Total	
						Installation	24.00	27.68	x	1.2283	=	815.98
276	23	51	16	00	0004	0174	MOD	For 3" To 4" Wall Instead Of 1", Add				\$72.52
							Quantity	Unit Price	Factor	=	Total	
						Installation	8.00	7.38	x	1.2283	=	72.52
277	23	51	16	00	0100	EA	4" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe					\$58.50
							Quantity	Unit Price	Factor	=	Total	
						Installation	1.00	47.63	x	1.2283	=	58.50
278	23	51	16	00	0253	EA	8" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket					\$944.27
							Quantity	Unit Price	Factor	=	Total	
						Installation	2.00	384.38	x	1.2283	=	944.27
279	31	05	13	00	0002	CY	Sand, Bank Run					\$282.41
							Quantity	Unit Price	Factor	=	Total	
						Installation	4.00	57.48	x	1.2283	=	282.41
280	31	23	16	13	0008	CY	Excavation For Trenching By Hand In Loose RockIncludes stockpiling excess materials and trimming sides and bottom of trench.					\$863.64
							Quantity	Unit Price	Factor	=	Total	
						Installation	4.00	175.78	x	1.2283	=	863.64
281	31	23	16	13	0014	CY	Compaction of Fill or Subbase for Trenches by Hand					\$157.76
							Quantity	Unit Price	Factor	=	Total	
						Installation	4.00	32.11	x	1.2283	=	157.76

Contractor's Price Proposal - Detail Continues..

Work Order Number: 071840.00
Work Order Title: San Mateo PD Barracks Improvements

Plumbing

282	31 23 16 36 0010	CY	Excavation For Building Foundations And Other Structures By Hand in Loose Rock						\$1,727.28
		Installation	Quantity	Unit Price	Factor	=	Total		
			8.00	175.78	1.2283		1,727.28		
283	31 23 16 36 0019	CY	Backfilling Around Building Foundations And Other Structures By Hand						\$479.53
		Installation	Quantity	Unit Price	Factor	=	Total		
			8.00	48.80	1.2283		479.53		
284	31 23 16 36 0022	CY	Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Hand						\$157.76
		Installation	Quantity	Unit Price	Factor	=	Total		
			4.00	32.11	1.2283		157.76		
285	31 23 16 36 0026	SY	Finish Grading For Building Foundations And Other Structures by Hand						\$216.81
		Installation	Quantity	Unit Price	Factor	=	Total		
			18.60	9.49	1.2283		216.81		
286	31 23 16 36 0029	CY	Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Hand						\$738.36
		Installation	Quantity	Unit Price	Factor	=	Total		
			8.00	75.14	1.2283		738.36		
287	31 23 16 36 0032	CY	Spread Excess Or Imported Material On Site By Hand						\$407.50
		Installation	Quantity	Unit Price	Factor	=	Total		
			8.00	41.47	1.2283		407.50		
288	31 23 16 46 0006	CY	Excavation By Hand In Soil To Expose Underground Pipes And Structures Includes stockpiling excess materials and trimming sides and bottom of trench.						\$1,258.66
		Installation	Quantity	Unit Price	Factor	=	Total		
			8.00	128.09	1.2283		1,258.66		
		Interior slab							
289	31 23 16 46 0010	CY	Backfilling by Hand At Exposed Underground Pipes And Structures						\$570.62
		Installation	Quantity	Unit Price	Factor	=	Total		
			8.00	58.07	1.2283		570.62		
		Interior slab							
290	31 23 16 46 0013	CY	Compaction of Fill or Subbase by Hand At Exposed Underground Pipe Or Structures						\$378.61
		Installation	Quantity	Unit Price	Factor	=	Total		
			8.00	38.53	1.2283		378.61		
		Interior slab							
291	32 11 16 16 0011	SY	9" Class II Crushed Aggregate Base Course						\$523.18
		Installation	Quantity	Unit Price	Factor	=	Total		
			18.60	22.90	1.2283		523.18		
		Interior slab							

Subtotal for Plumbing

\$66,853.99

Roofing

292	07 01 50 81 0002	SF	Roof Repair, Built-Up Roofing, Up To 10 SF						\$1,368.33
		Installation	Quantity	Unit Price	Factor	=	Total		
			50.00	22.28	1.2283		1,368.33		
		Penetrations for electrical, flue vent, waste vents and gas line.							

Contractor's Price Proposal - Detail Continues..

Work Order Number: 071840.00
Work Order Title: San Mateo PD Barracks Improvements

Roofing

293	07 01 50 81 0003	SF	Roof Repair, Built-Up Roofing, >10 To 25 SF						\$616.61	
		Installation	Quantity	Unit Price	Factor	=	Total			
			25.00	20.08	1.2283		616.61			
			HVAC penetrations.							
294	07 01 50 81 0004	SF	Roof Repair, Built-Up Roofing, >25 To 50 SF						\$3,379.05	
		Installation	Quantity	Unit Price	Factor	=	Total			
			150.00	18.34	1.2283		3,379.05			
			Used for slope to drain using crickets per page a10.2 detail 1							
295	07 01 50 81 0008	SF	Roof Repair, Membrane Roofing, >25 To 50 SF						\$6,626.68	
		Installation	Quantity	Unit Price	Factor	=	Total			
			250.00	21.58	1.2283		6,626.68			
			Re-roof areas where platforms and new structural framing is being done							
296	07 13 53 00 0017	CSF	1/16" Neoprene Elastomeric Waterproofing With Nylon						\$77.03	
		Installation	Quantity	Unit Price	Factor	=	Total			
			0.30	209.04	1.2283		77.03			
			Re-roof areas where platforms and new structural framing is being done							
297	07 14 16 00 0012	CSF	Fluid Neoprene, 90 Mil, 4 Coats						\$531.61	
		Installation	Quantity	Unit Price	Factor	=	Total			
			0.30	1,442.66	1.2283		531.61			
			Re-roof areas where platforms and new structural framing is being done							
298	07 41 13 00 0073	LF	Hip Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing						\$890.47	
		Installation	Quantity	Unit Price	Factor	=	Total			
			8.00	90.62	1.2283		890.47			
			Re-roof areas where platforms and new structural framing is being done							
299	07 51 13 00 0068	SQ	Demolish Cap Sheet Surfaced, Built Up Roofing SystemIncludes protective surfacing.						\$454.37	
		Installation	Quantity	Unit Price	Factor	=	Total			
			1.50	246.61	1.2283		454.37			
			Roof demo							
300	07 51 13 00 0110	LF	12" BURmesh FabricGlass membrane for reinforcement or repair of roof membranes and flashings.						\$208.81	
		Installation	Quantity	Unit Price	Factor	=	Total			
			40.00	4.25	1.2283		208.81			
			Re-roof areas where platforms and new structural framing is being done							
301	07 51 13 00 0131	LF	TremSEAL HP High Performance Sealant						\$50.21	
		Installation	Quantity	Unit Price	Factor	=	Total			
			8.00	5.11	1.2283		50.21			
			Roof penetrations							
302	07 62 00 00 0195	SF	24 Gauge, Galvanized Steel Flashing						\$534.56	
		Installation	Quantity	Unit Price	Factor	=	Total			
			40.00	10.88	1.2283		534.56			
			Re-roof areas where platforms and new structural framing is being done							
303	07 71 26 00 0006	LF	24 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet						\$557.16	
		Installation	Quantity	Unit Price	Factor	=	Total			
			40.00	11.34	1.2283		557.16			
			Re-roof areas where platforms and new structural framing is being done							

Subtotal for Roofing **\$15,294.89**

specialties

Contractor's Price Proposal - Detail Continues..

Work Order Number: 071840.00
Work Order Title: San Mateo PD Barracks Improvements

specialties

304	08 83 13 00 0015	SF	1/4" Clear Mirror Glass With Laminated Safety Backing						\$519.03
			Installation	Quantity	Unit Price	Factor	=	Total	
				16.00	26.41	1.2283		519.03	
305	10 21 16 17 0012	EA	48" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track						\$3,312.70
			Installation	Quantity	Unit Price	Factor	=	Total	
				1.00	2,696.98	1.2283		3,312.70	
			Privacy Curtain						
306	10 28 13 13 0063	EA	50 Fluid Ounce, Recessed Mounted, Stainless Steel Soap Dispenser (Bobrick Contura B-4063)						\$612.92
			Installation	Quantity	Unit Price	Factor	=	Total	
				2.00	249.50	1.2283		612.92	
307	10 28 13 13 0093	EA	Surface Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3579)						\$1,164.82
			Installation	Quantity	Unit Price	Factor	=	Total	
				2.00	474.16	1.2283		1,164.82	
308	10 28 13 13 0115	EA	12 Gallon, Recessed Mounted, Stainless Steel Combination Roll Towel Dispenser / Waste Receptacle (Bobrick Classic B-3961)						\$1,516.56
			Installation	Quantity	Unit Price	Factor	=	Total	
				2.00	617.34	1.2283		1,516.56	
309	10 28 13 13 0146	EA	48" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x48)						\$445.92
			Installation	Quantity	Unit Price	Factor	=	Total	
				4.00	90.76	1.2283		445.92	
310	10 28 13 13 0181	EA	33" Width, Wall-Mounted, Foam Padded, Naugahyde® Folding Shower Seat (Bobrick B-517/518)						\$1,325.16
			Installation	Quantity	Unit Price	Factor	=	Total	
				2.00	539.43	1.2283		1,325.16	
311	10 28 13 13 0189	EA	Stainless Steel Shower Curtain Hook (Bobrick B-204-1)						\$72.22
			Installation	Quantity	Unit Price	Factor	=	Total	
				24.00	2.45	1.2283		72.22	

Subtotal for specialties **\$8,969.33**

Stucco

312	02 83 19 13 0149	SF	Demolish Up To 100 SF Plaster/Stucco, Lead Contaminated Material						\$6,525.96
			Installation	Quantity	Unit Price	Factor	=	Total	
				300.00	17.71	1.2283		6,525.96	
			Stucco Repair at various locations where windows doors and louvers are demo and reinstalled						
313	09 01 20 91 0024	SF	>10 To 50 SF, Chip, Clean And Repair Plaster/Stucco						\$7,568.78
			Installation	Quantity	Unit Price	Factor	=	Total	
				300.00	20.54	1.2283		7,568.78	
			Stucco Repair at various locations where windows doors and louvers are demo and reinstalled						

Subtotal for Stucco **\$14,094.74**

windows

314	08 51 13 00 0060	EA	Up To 10 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)						\$5,580.36
			Installation	Quantity	Unit Price	Factor	=	Total	
				4.00	1,135.79	1.2283		5,580.36	
			Exterior windows						

Subcontractor Listing

Date: October 11, 2019

Re: IQC Master Contract #: CA-07-CC-B-A-030618-NCM
 Work Order #: 071840.00
 Owner PO #:
 Title: San Mateo PD Barracks Improvements
 Contractor: Newton Construction & Management, Inc.
 Proposal Value: \$534,304.94

Name of Contractor	Duties	Amount	%
PACIFIC SOUTH - City of Lompoc		\$25,000.00	4.68
Paris Construction Company Inc.		\$380,000.00	71.12
S Carlson's Plumbing, Inc.		\$30,000.00	5.61

EXHIBIT 3
INSURANCE REQUIREMENTS

EXHIBIT 3
INSURANCE REQUIREMENTS FOR CONSTRUCTION CONTRACTS

ARTICLE 1 - MINIMUM SCOPE AND LIMIT OF INSURANCE

- 1.01 Contractor shall procure and maintain for the duration of the contract, *and for five (5) years thereafter*, 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 the Contractor, his agents, representatives, employees, or subcontractors.
- 1.02 Coverage shall be at least as broad as:
- A. **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 & advertising injury with limits no less than **\$5,000,000** per occurrence. If a general aggregate limit applies, either the general aggregate limit shall apply separately to this project/location (ISO CG 25 03 or 25 04) or the general aggregate limit shall be twice the required occurrence limit.
 - B. **Automobile Liability:** Insurance Services Office Form CA 0001 covering Code 1 (any auto), with limits no less than **\$5,000,000** per accident for bodily injury and property damage.
 - C. **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.
 - D. **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.
 - E. **Surety Bonds** as described below.
 - F. **Professional Liability** (if Design/Build), with limits no less than \$2,000,000 per occurrence or claim, and \$2,000,000 policy aggregate.
 - G. **Contractors’ Pollution Legal Liability** 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.
- 1.03 If the contractor maintains broader coverage and/or higher limits than the minimums shown above, the City requires and shall be entitled to the broader coverage and/or 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.
- 1.04 Self-Insured Retentions. Self-insured retentions must be declared to and approved by the City. At the option of the City, either: the contractor shall cause the insurer shall to reduce or eliminate such 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. The

policy language shall provide, or be endorsed to provide, that the self-insured retention may be satisfied by either the named insured or City.

ARTICLE 2 - OTHER INSURANCE PROVISIONS

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

- A. **The City, 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, CG 20 26, CG 20 33, or CG 20 38; **and** CG 20 37 forms if later revisions used).
- B. For any claims related to this project, the **Contractor's insurance coverage shall be primary** insurance coverage at least as broad as ISO CG 20 01 04 13 as respects the City, its officers, officials, employees, and volunteers. Any insurance or self-insurance maintained by the City, its officers, officials, employees, or volunteers shall be excess of the Contractor's insurance and shall not contribute with it.
- C. Each insurance policy required by this clause shall provide that coverage shall not be canceled, except with notice to the City.

2.02 Builder's Risk (Course of Construction) Insurance

- A. Contractor may submit evidence of Builder's Risk insurance in the form of Course of Construction coverage. Such coverage shall **name the City as a loss payee** as their interest may appear.
- B. If the project does not involve new or major reconstruction, at the option of the City, 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's site.

2.03 Claims Made Policies

- A. 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 cancelled 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 for review.
5. If the services involve lead-based paint or asbestos identification/remediation, the Contractors Pollution Liability policy shall not contain lead-based paint or asbestos exclusions. If the services involve mold identification/remediation, the Contractors Pollution Liability policy shall not contain a mold exclusion, and the definition of Pollution shall include microbial matter, including mold.

2.04 Acceptability of Insurers

- A. Insurance is to be placed with insurers authorized to conduct business in the state with a current A.M. Best rating of no less than A: VII, unless otherwise acceptable to the City.

2.05 Waiver of Subrogation

- A. **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 for all work performed by the Contractor, its employees, agents and subcontractors.

2.06 Verification of Coverage

- A. Contractor shall furnish the City with original Certificates of Insurance including all required amendatory endorsements (or copies of the applicable policy language effecting coverage required by this clause) and a copy of the Declarations and Endorsement Page of the CGL policy listing all policy endorsements to City before work begins. However, failure to obtain the required documents prior to the work beginning shall not waive the Contractor's obligation to provide them. The City reserves the right to require complete, certified copies of all required insurance policies, including endorsements, required by these specifications, at any time.

2.07 Subcontractors

- A. Contractor shall require and verify that all subcontractors maintain insurance meeting all requirements stated herein, and Contractor shall ensure that City is an additional insured on insurance required from subcontractors. For CGL coverage, subcontractors shall provide coverage with a form at least as broad as CG 20 38 04 13.

2.08 Surety Bonds.

- A. Contractor shall provide the following Surety Bonds:
 1. Performance Bond
 2. Payment Bond
 3. Maintenance Bond
- B. The Payment Bond and the Performance Bond shall be in a sum equal to the contract price. If the Performance Bond provides for a one-year warranty a separate Maintenance Bond is not necessary. If the warranty period specified in the contract is for longer than one year a Maintenance Bond equal to 10% of the contract price is required. Bonds shall be duly executed by a responsible corporate surety, authorized to issue such bonds in the State of California and secured through an authorized agent with an office in California.

2.09 Special Risks or Circumstances.

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