ADDENDUM NO. 02

Issue Date: August 21, 2020

FROM: County of Alameda - GSA/TSD

1401 Lakeside Drive, Suite 800 Oakland, California 94612

Hadi Hadjarzadeh, Program Manager Phone (510) 220-3445 Fax (510) 208-3995

TO BIDDERS ON: HIGHLAND HOSPITAL KORET Building Exhaust Fan and Waterproofing

1131 East 31st Street Oakland, California

THIS ADDENDUM is hereby made a part of the Project Specifications and Other Bidding and Contract Documents issued on June 19, 2020, on the subject work as though originally included therein. The following amendments, additions and/or corrections shall govern this work.

A02-1 CLARIFICATIONS FROM SITE VISIT ON JULY 17, 2020:

1. Please show on a drawing the path of travel for the electrical for the new exhaust fan (from the exhaust fan to the electrical panel) for the Highland Hospital Koret Building Exhaust Fan Project. I understand from my mechanical contractors that it is about 200 ln. ft. in length. Is this going overhead in the ceiling or below under the floor? Off hours?

Response: Please refer to E-10 – ACD showing a reference drawing between the area of work and the electrical panel. The path of travel for the exhaust fan electrical is the contractor means and methods. Work to be scheduled with the Facility Administrator. In addition contractors will submit an MOP (Methods Of Procedure) and approved by the Facility Administrator before start of work. Electrical work (pathway and wiring) will be performed from 6:00 PM - 6:00 AM because the pharmacy is open at 8:00AM - 5:00 PM

- 2. Is there and OPUS (Operating Procedure Outline Sheet) / have the davits been certified recently/currently certified?
 - Response: The K-Building Davit System is not certified and will not receive certification and therefore not made available for the project. Use alternate means to access the work areas.
- 3. Is the back side of the parapet wall included for coating installation and sealant replacement? Response: All the original cement plaster on the building is included in the scope of work, inclusive of the back side of the parapets.
- 4. Does the owner want a single color for the plaster or do they want to match the existing coloring scheme with two colors.
 - Response: Plaster to be painted with one color, to match the color of the cement plaster on the adjacent Link Building.
- 5. What are the existing materials on the wall?
 - Response: The existing materials are not confirmed, contractor to perform adhesion testing in accordance with project specifications and manufacturer support.
- 6. What BMS Controls to be used for the Lobby Exhaust Fan?
 - Response: Drawing M1.0 identifies controls work indicating that the BMS controls the start/stop function and receives the failure alarm. The BMS is a Siemens system. The Contractor should be contacting Siemens for pricing of that work.
- 7. Is there an allowance (lineal foot or dollar amount) for rout and seal of crack repair at stucco?

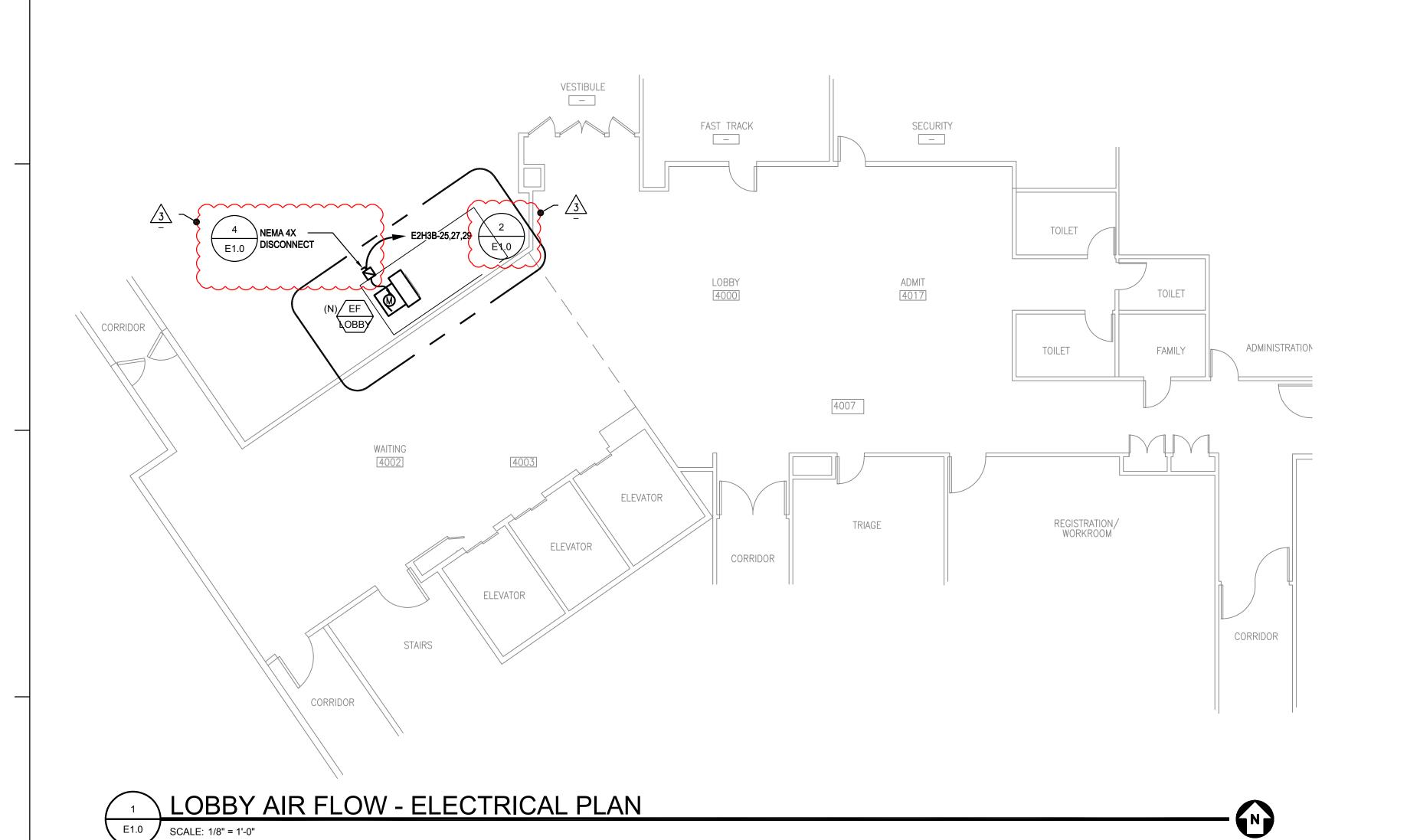
Response: Please include an allowance of 500 linear feet of crack repair in the cement plaster assembly. Please provide a unit cost per lineal foot for the allowance.

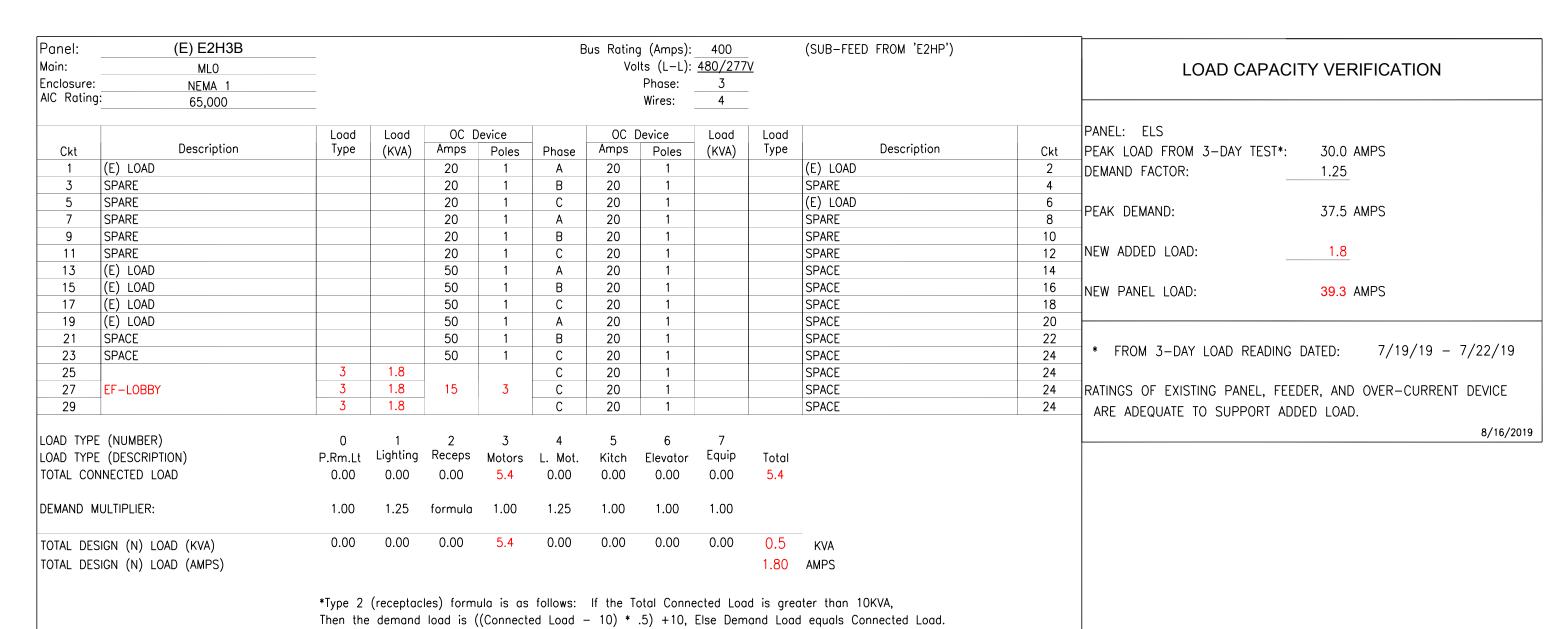
- 8. Should our bid include installing a primer for the elastomeric coating?
 - Response: Include installation of primer for the elastomeric coating, as recommended by the manufacturer. The need for primer will be determined in accordance with the specifications and required adhesion testing.
- 9. For the performed silicone tape at frame joint corners, should the tape be notched to achieve sharper corners?
 - Response: The preformed tape should fit tight to the frame, notched if necessary, fully covering the frame joint and marrying with adjacent sealant joints.
- 10. On the bid walk we noted a portion of the west elevation of the building, as depicted in the contract documents, is covered with the newer link building. Is there an updated elevation?
 - Response: Attached is a mark-up of the west elevation on sheet A201 depicting the approximate area covered by the Link Building. This areas is not in contract.
- 11. New wall openings and metal stud framing:
 - a. Is detail 4/M5.1 for the interior wall only? What is the framing detail for the new opening in the exterior wall?
 - Response: Use Detail 4 to frame interior and exterior wall openings. Detail 2 addresses exterior opening water-proofing.
 - b. On detail 4/M5.1 it looks like new jamb studs are being added full height. Do these go from the floor or bottom track to the top track at the underside of structural deck above? If so, the height is 14' to 16' and quite a lot of existing construction will have to be removed and replaced including possible ductwork to fit these in.
 - Response: Yes. This is an OSHPD project. It is essential that the work be performed in accordance with the approved plans.
 - c. The interior side of the exterior wall is not covered with board; there is open studs on the inside of this. A 2 hour fire damper is called out to be installed in this outside wall in the ductwork. Is this correct, and is there more drywall enclosure details needed.
 - Response: Yes, correct. Provide Ruskin DIBD2 fire damper with single-angle installation, and Style "A" installation (or approved equal).
 - d. On the Lobby side there is a 24" x 24" rated access door located at about where the new intake register is going. Is this to be relocated or eliminated?
 - Response: If the access door is interfering, then replace with one to access fire damper.
- 12. Will the following be the hospital's responsibility or is it to be included in the contractor's scope?: Siemens controls and fire alarm, including design-build engineering with deferred OSHPD reviews, devices and installation including conduit and wiring, programming and testing.
 - Response: Controls and fire alarm system are Contractor's responsibility.
- 13. Is there any night work or off-hour work required when working in corridors running electrical conduit? If so please provide the hours when work in corridors will not be allowed.
 - Response: Work should be coordinated with the Facility Administrator. Electrical work and pathway wiring will be performed from 8:00PM to 6:00 AM hours.
- 14. Per 13/S1.0 a geotechnical engineer is to be contacted for inspection of the subgrade. Please confirm this inspection service is provided by the hospital.
 - Response: If field conditions vary and does not meet required specification contractor will issue an RFI. Please see revised plan.

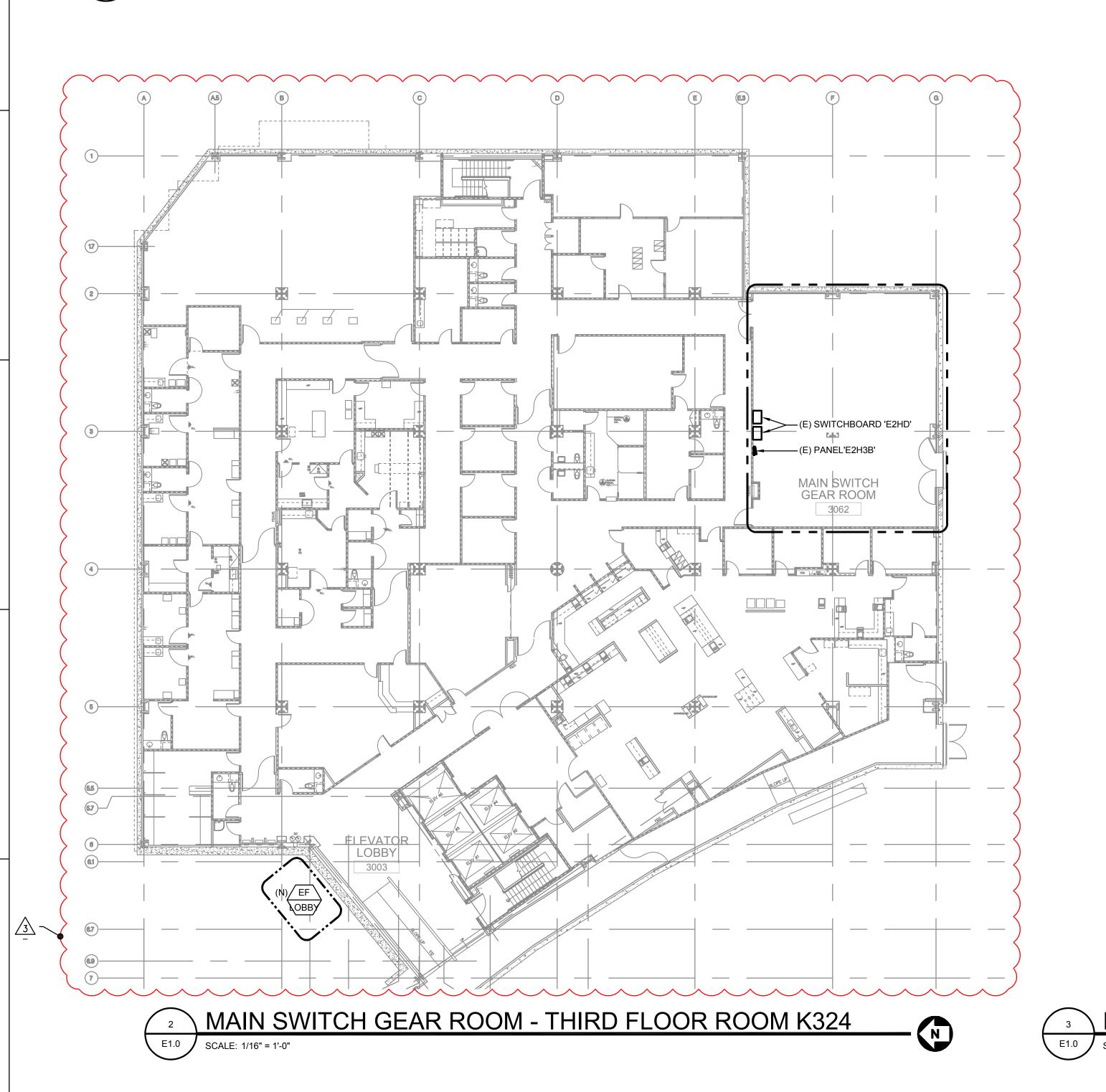
ADDENDUM NO. 02

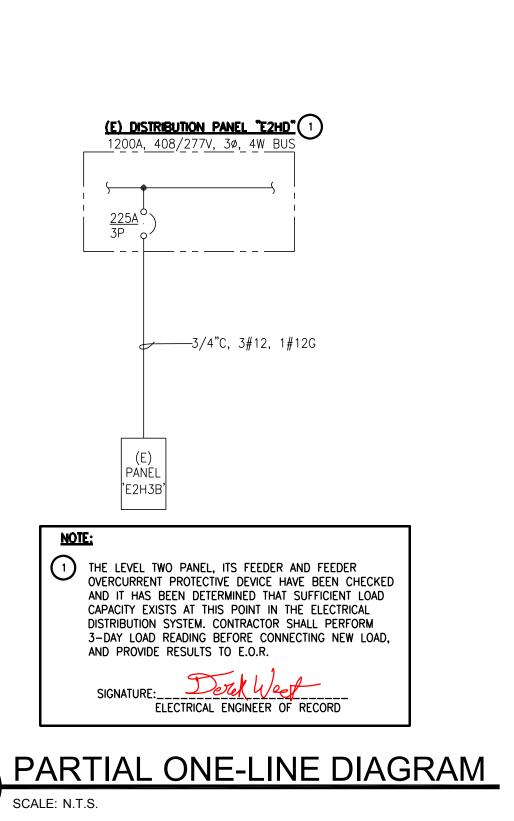
15. Prospective bidders can drop their bids from 11:00AM to 2:00PM on August 27, 2020. Bids will be opened at 2:00 PM at 1401 Lakeside Drive, Purchasing Department Room # 609, Oakland California.

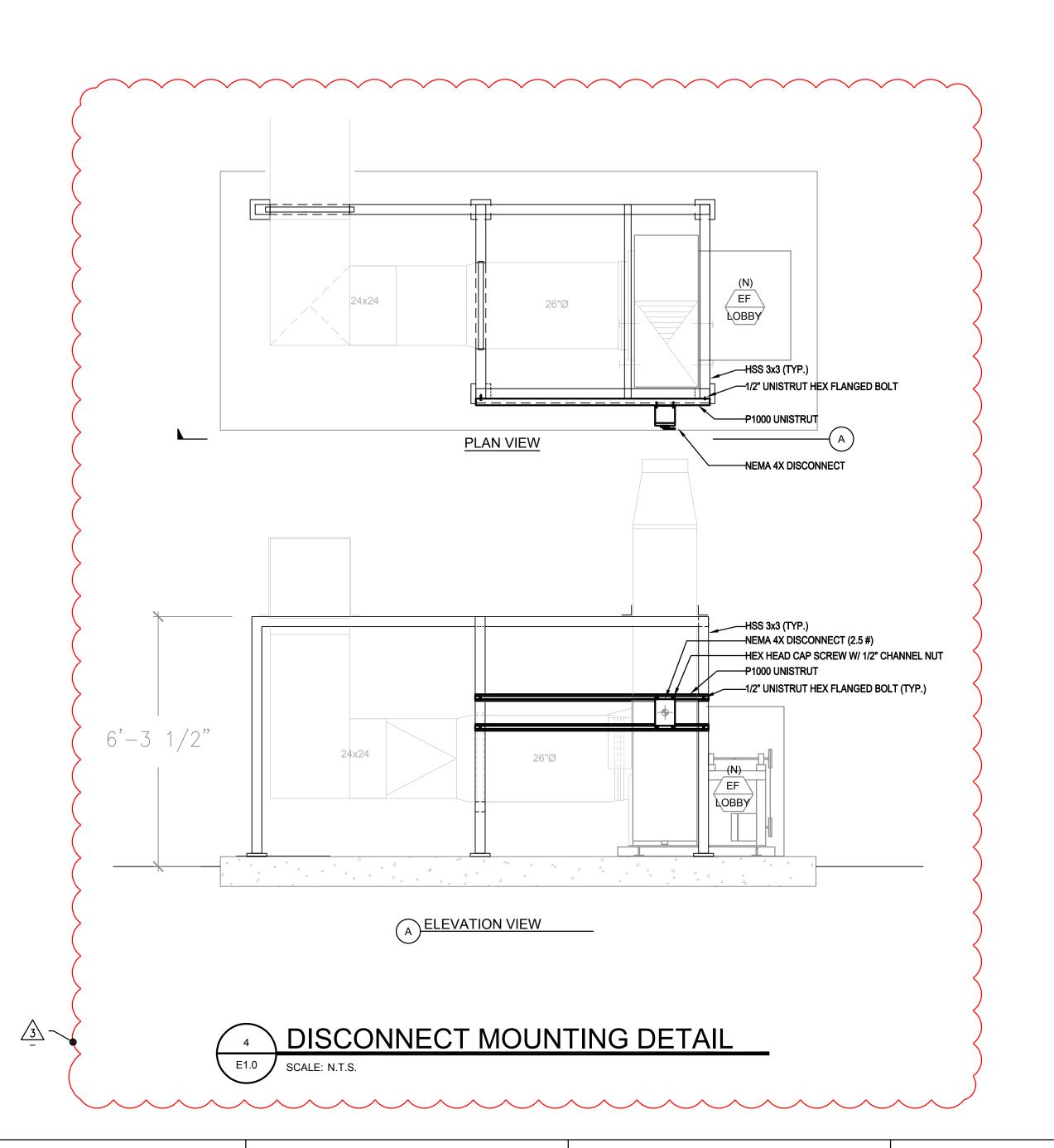
END OF ADDENDUM NO. 02

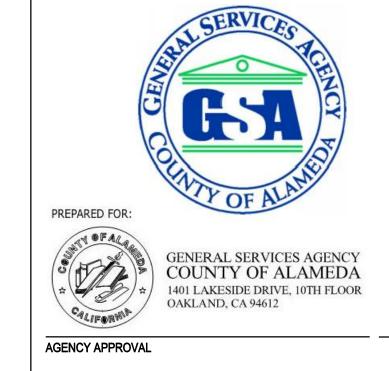






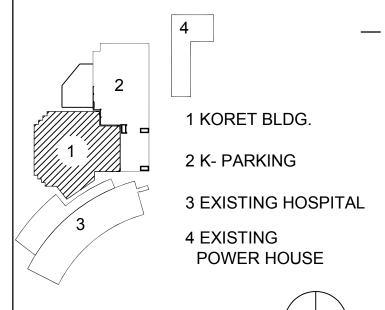






OSHPD # S192339-01-00





KEY PLAN



SEALS AND SIGNATURES



PROJECT TITLE

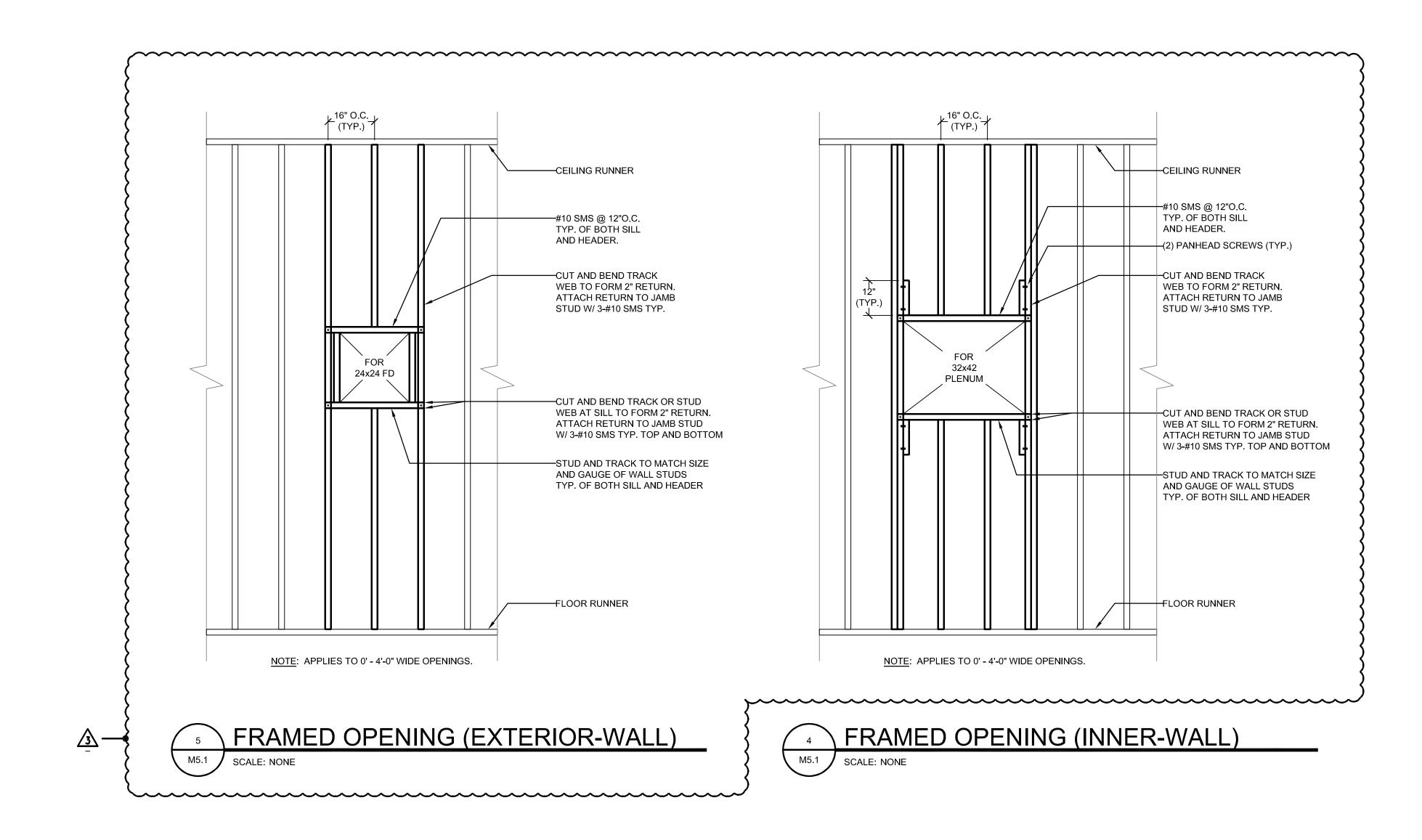
KORET BUILDING **EMERGENCY** DEPARTMENT EXHAUST FAN

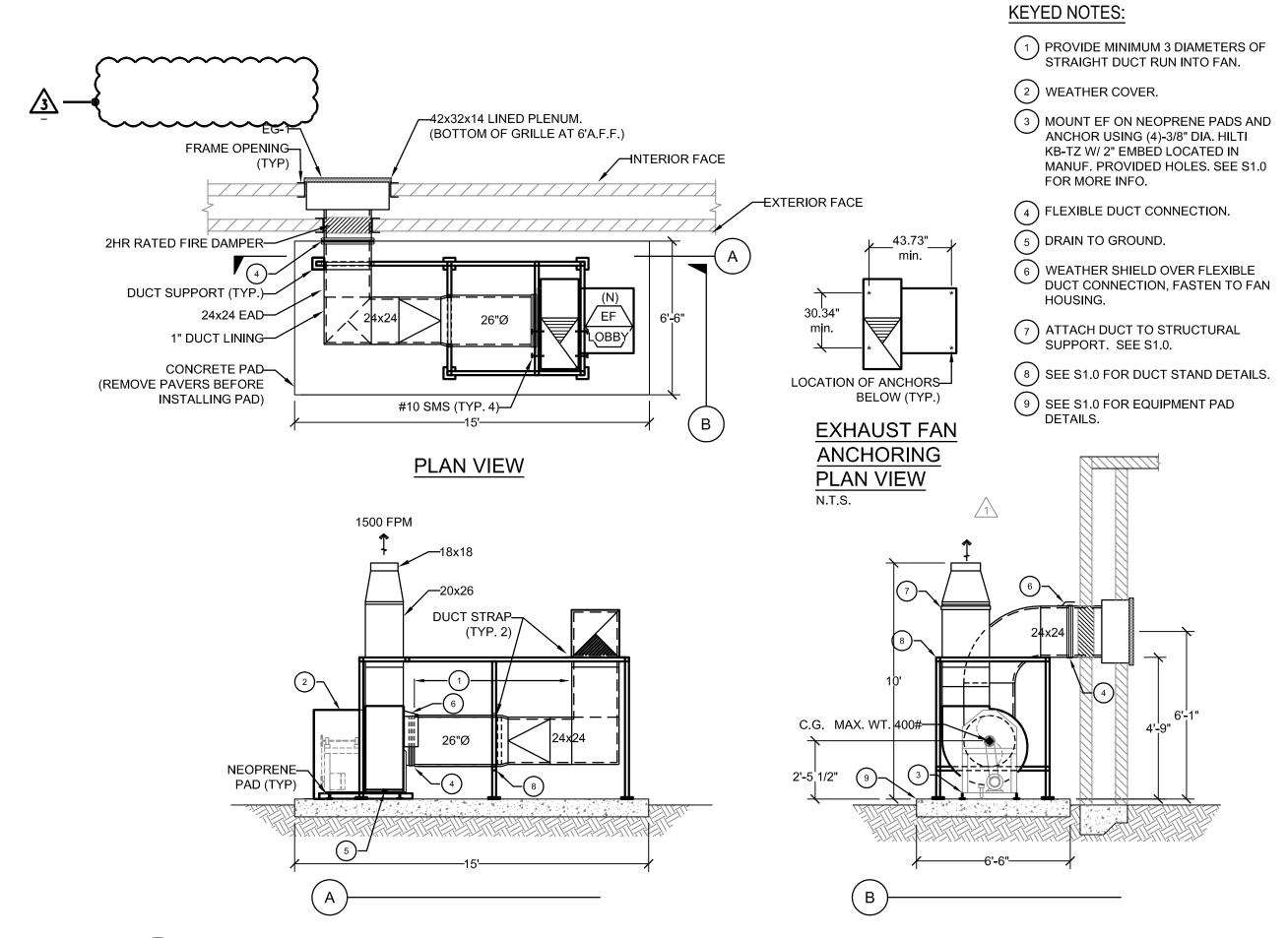
SHEET TITLE

LOBBY AIR FLOW ELECTRICAL PLAN, ONE-LINE DIAGRAM, AND SCHEDULE

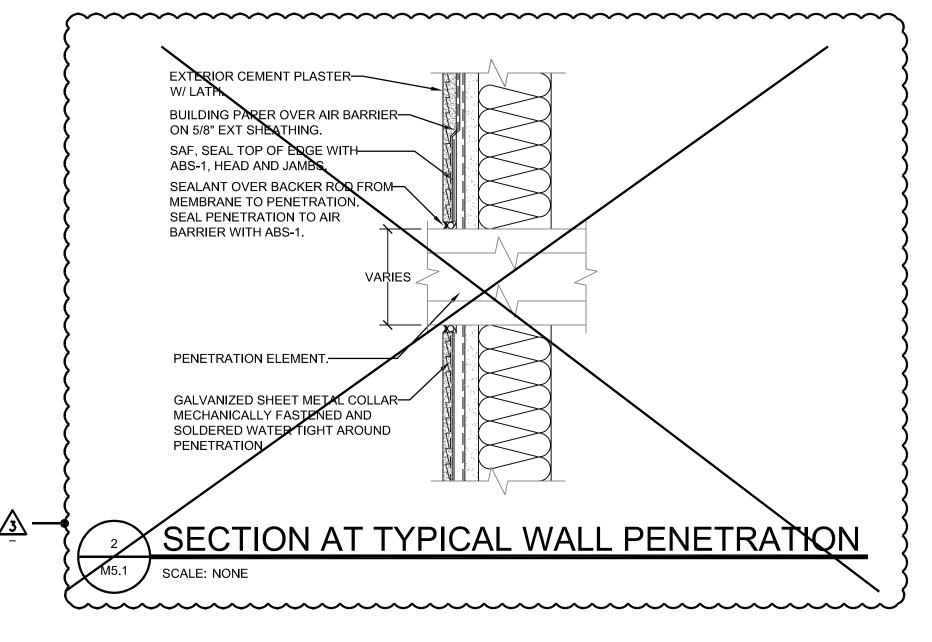
PROJECT NUMBER

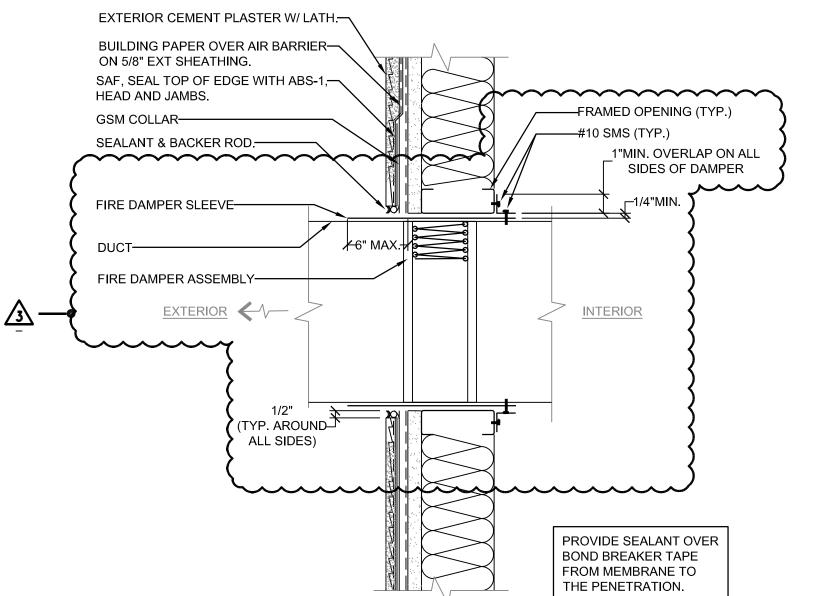
E1.0 SHEET NUMBER





UPBLAST ROOF CENTRIFUGAL EXHAUST FAN M5.1 SCALE: 1/4" = 1'-0"



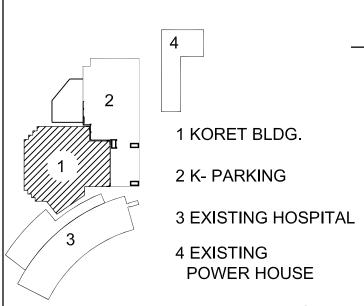


SECTION AT EXTERIOR WALL MOUNTED PANEL



OSHPD # S192339-01-00





KEY PLAN

CIPLAN		
SSUED FOR	REV	DATE
SHPD SUBMITTAL		09-24-2019
SHPD BACKCHECK 1	1	12-20-2019
SHPD BACKCHECK 2	2	02-21-2020
CD-01	3	08-21-2020

SEALS AND SIGNATURES





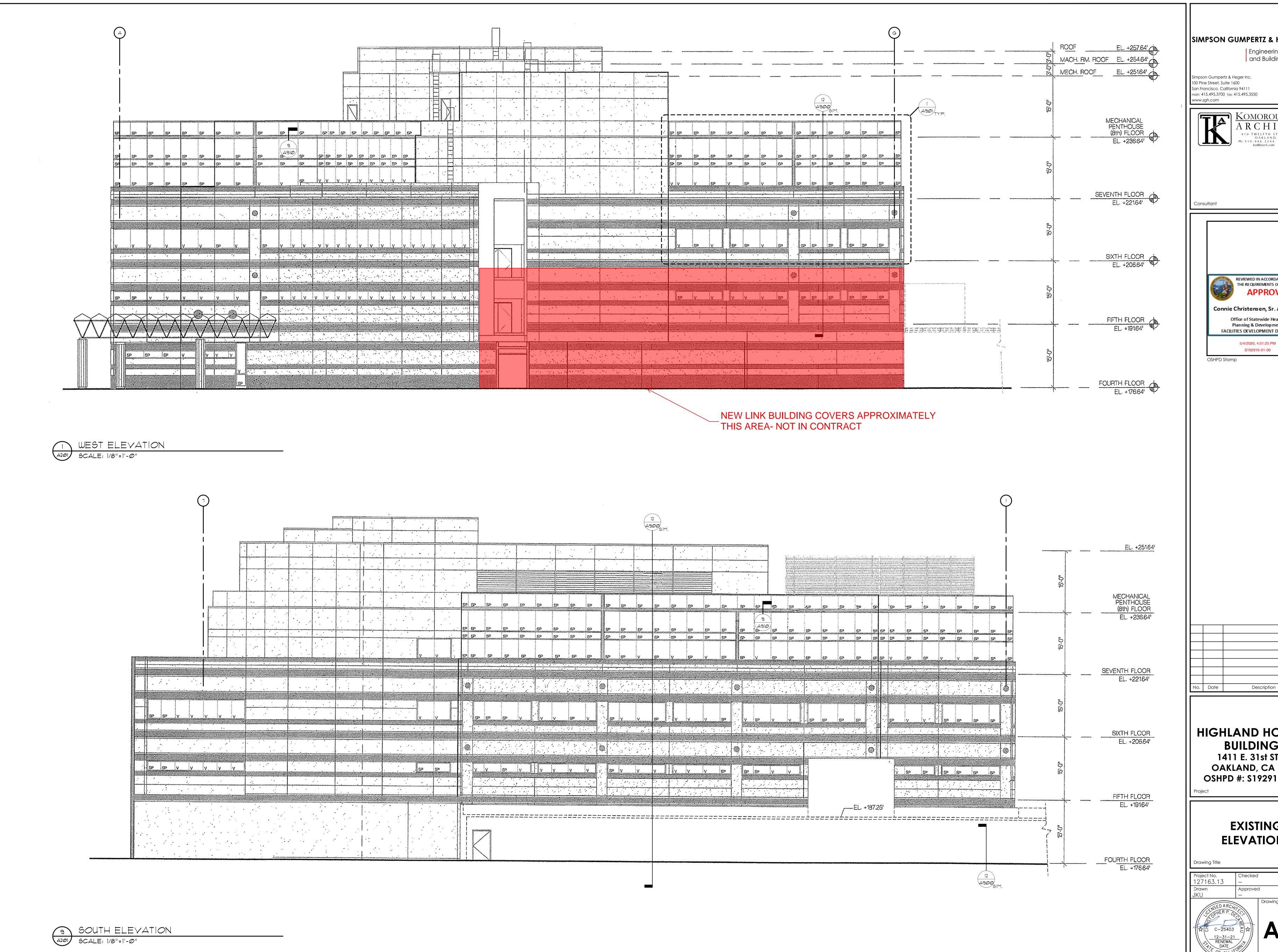
PROJECT TITLE

KORET BUILDING **EMERGENCY** DEPARTMENT **EXHAUST FAN**

MECHANICAL DETAILS

PROJECT NUMBER M5.1

SHEET NUMBER



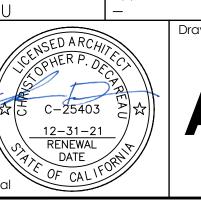
SIMPSON GUMPERTZ & HEGER Engineering of Structures and Building Enclosures San Francisco Washington, DC

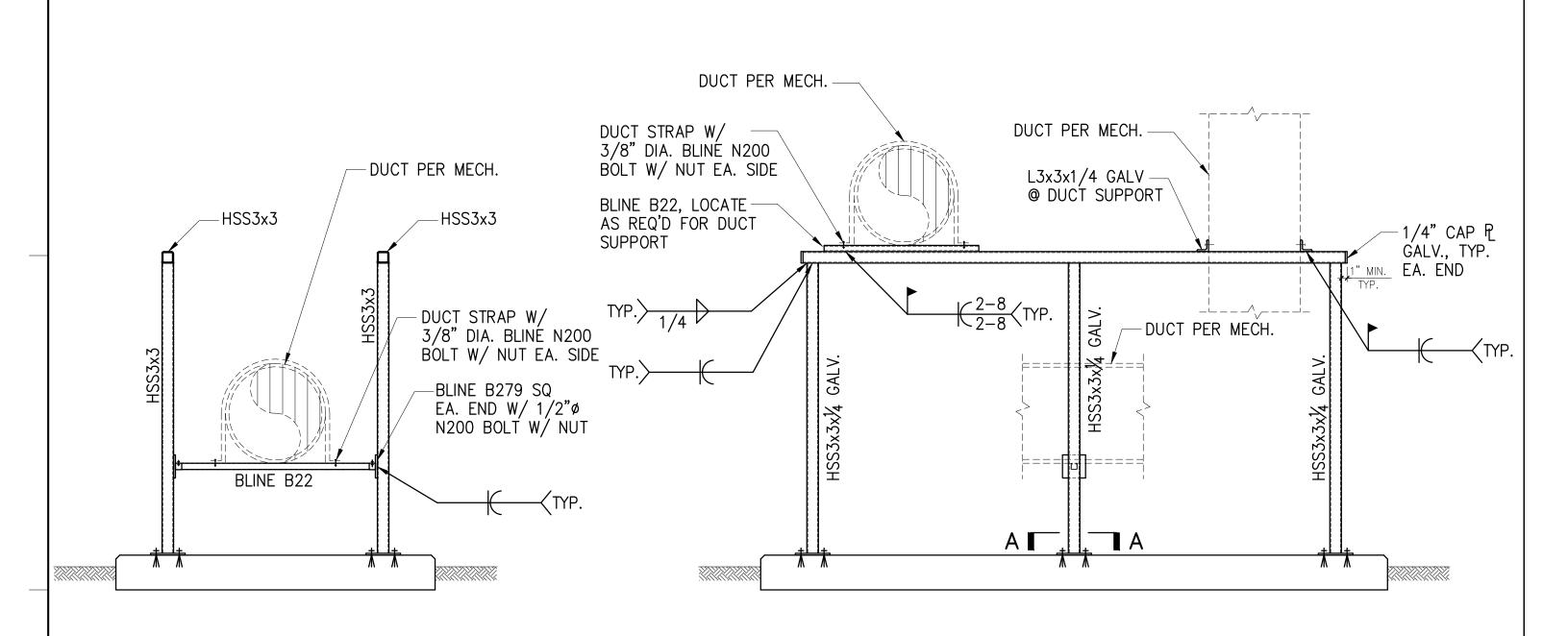


REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR Connie Christensen, Sr. Architect Office of Statewide Health Planning & Development FACILITIES DEVELOPMENT DIVISION

HIGHLAND HOSPITAL **BUILDING K** 1411 E. 31st STREET OAKLAND, CA 94602 OSHPD #: \$192916-01-00

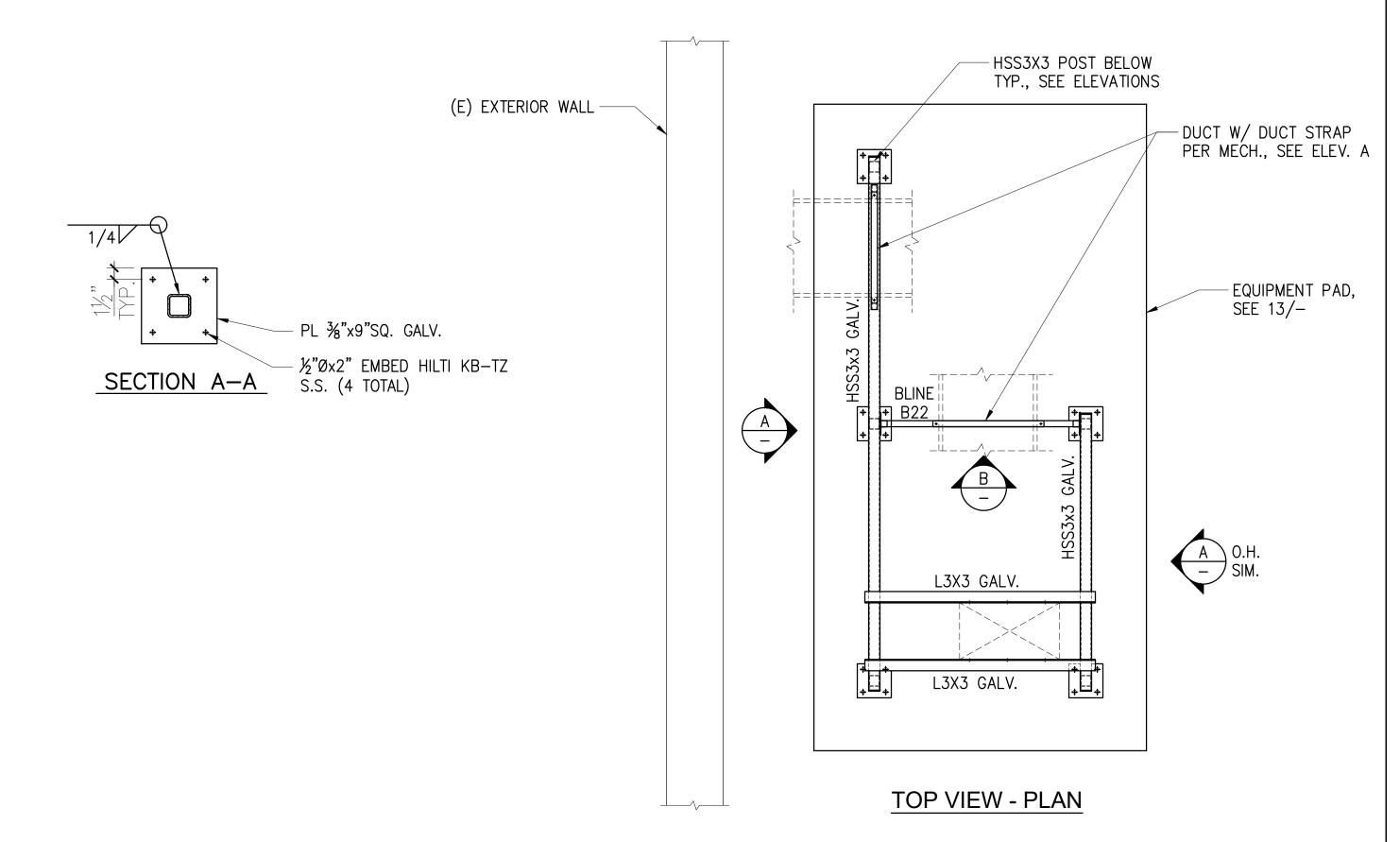
> **EXISTING ELEVATIONS**





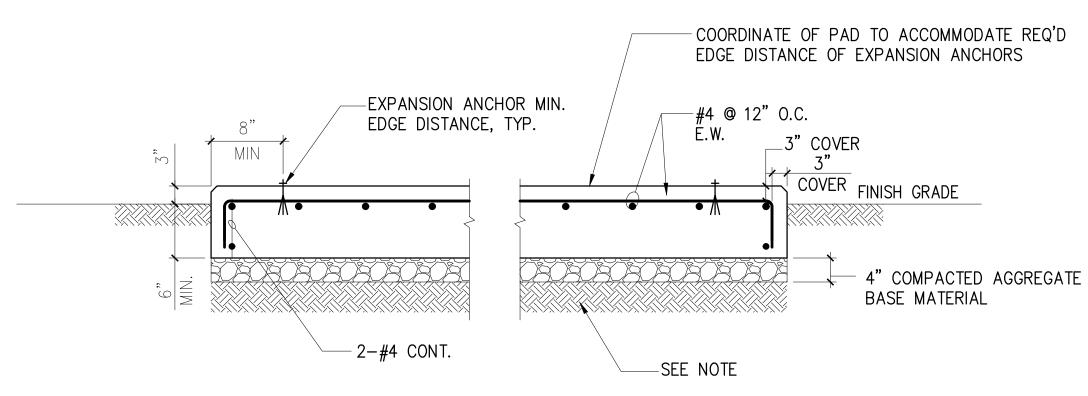
ELEVATION B

ELEVATION A



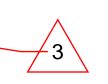
(14) DUCT STAND

NOTE:
SEE M5.1 FOR LOCATION OF EXHAUST FAN, EXHAUST FAN ANCHORAGE, AND ASSOCIATED DUCT RUNS.



NOTE:

1. SCARIFY SUBGRADE TO DEPTH OF 6"TO 8", MOISTURE CONDITION TO NOT LESS THAN OPTIMUM MOISTURE CONTENT, AND COMPACT TO A MINIMUM OF 90% RELATIVE COMPACTION BASED ON ASTM D1557. CONTACT CEOTECHNICAL ENGINEER FOR INSPECTION OF SUBGRADE, OVER EXCAVATE AS DIRECTED SHOULD WEAK SOIL OR OTHER UNDESIRABLE MATERIAL BE ENCOUNTERED.



GENERAL NOTES

I. GENERAL

- 1. MATERIALS AND WORKMANSHIP SHALL CONFORM WITH THE 2016 CALIFORNIA BUILDING CODE (PART 2, TITLE 24 CCR), ASSOCIATED REFERENCE STANDARDS AND THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
- 2. DRAWINGS INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION. WHERE CONDITIONS ARE NOT SPECIFICALLY INDICATED BUT ARE OF SIMILAR CHARACTER TO DETAILS SHOWN, USE SIMILAR DETAILS OF CONSTRUCTION, SUBJECT TO REVIEW BY THE OWNER'S REPRESENTATIVE.
- 3. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE WORK OF ALL TRADES AND FOR CHECKING DIMENSIONS. NOTIFY THE OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES AND RESOLVE BEFORE PROCEEDING WITH THE WORK.
- 4. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR PROVIDING MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES INCLUDE, BUT MAY NOT BE LIMITED TO, BRACING AND SHORING FOR LOADS DURING CONSTRUCTION.
- 5. INFORMATION SHOWN ON THE DRAWINGS RELATED TO EXISTING CONDITIONS REPRESENTS THE PRESENT KNOWLEDGE, BUT WITHOUT GUARANTEE OF ACCURACY. REPORT CONDITIONS THAT CONFLICT WITH THE CONTRACT DOCUMENTS TO THE OWNER'S REPRESENTATIVE. DO NOT DEVIATE FROM THE CONTRACT DOCUMENTS WITHOUT WRITTEN DIRECTION FROM THE OWNER'S REPRESENTATIVE.
- 6. ANCHORAGE AND SUPPORTS OF ALL EQUIPMENT TO BE INSTALLED AS PART OF THIS PROJECT SHALL BE DETAILED ON CONSTRUCTION DOCUMENTS, EXCEPT THOSE EXEMPT BY 2016 CBC SECTION 1616A.1.18. EQUIPMENT SUPPORTS AND ANCHORAGE SHALL BE APPROVED BY THE APPROPRIATE DESIGN PROFESSIONAL OF RECORD AND OSHPD AS A PART OF FIELD REVIEWS/OBSERVATIONS. THE INSPECTOR OF RECORD (IOR) SHALL ASSURE THAT THE ABOVE REQUIREMENTS ARE ENFORCED.

II. FOUNDATIONS

1. FOUNDATIONS AND SLABS-ON-GRADE HAVE BEEN DESIGNED USING THE PRESUMPTIVE LOAD-BEARING VALUES PROVIDED IN TABLE 1806A.2 OF THE 2016 CBC.

III. CONCRETE AND REINFORCING STEEL

- 1. CONCRETE SHALL BE NORMAL WEIGHT (145 PCF) WITH THE FOLLOWING PROPERTIES
- 1.1 MINIMUM 28-DAY COMPRESSIVE STRENGTH: 3000 PSI
- 1.1 MINIMUM 20-DAT COMPRESSIVE STRENGTH: 3000 PSI
- 1.3 AGGREGATE: ASTM C33
- 1.4 MAXIMUM AGGREGATE SIZE: 1"
- 1.5 MAXIMUM SLUMP (WITHOUT ADMIXTURE): 4"

1.2 PORTLAND CEMENT: ASTM C150, TYPE I OR II

- 1.6 MAXIMUM WATER/CEMENTITIOUS MATERIALS RATIO: 0.45
- 2. SUBMIT MIX DESIGN AND SUBSTANTIATING DATA IN ACCORDANCE WITH CBC 1905A FOR REVIEW AND APPROVAL PRIOR TO PLACEMENT.
- 3. MIX AND PLACE CONCRETE IN ACCORDANCE WITH CBC REQUIREMENTS.
- 4. REINFORCEMENT: ASTM A615 GRADE 60, TYPICAL. ASTM A706 FOR ALL BARS TO BE WELDED. ASTM A970 CLASS HA FOR ALL HEADED REINFORCING.

IV. STRUCTURAL STEEL AND MISCELLANEOUS METAL

1. FABRICATE AND ERECT STRUCTURAL STEEL AND MISCELLANEOUS METAL IN ACCORDANCE WITH AISC "SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS" LATEST EDITION

2. MATERIALS:

CHANNELS, ANGLES

PLATES

ASTM A36

TUBE

ASTM A500 GRADE C

PIPE

A53, TYPE E OR S, GRADE B

BOLTS

ASTM A307 OR F1554 GRADE 36

HIGH STRENGTH BOLTS

ASTM F3125 GRADE A325

WELDING E70XX ELECTRODES

ANCHOR RODS ASTM F1554, GRADE 36

THREADED ROD ASTM F1554, GRADE 36

- 3. WELDING SHALL CONFORM TO AWS D1 STANDARDS LATEST EDITION. ALL WELDING SHALL BE PERFORMED BY CERTIFIED WELDERS.
- 4. BOLT HOLES IN STEEL SHALL BE 1/16" LARGER IN DIAMETER THAN NOMINAL SIZE OF BOLT OR THREADED ROD DIAMETERS USED, UNLESS OTHERWISE NOTED.
- 5. HOT DIP GALVANIZE STRUCTURAL STEEL AND FASTENERS THAT ARE PERMANENTLY EXPOSED TO THE WEATHER IN ACCORDANCE WITH ASTM A123 AND ASTM A153. REPAIR GALVANIZING AFTER WELDING IN ACCORDANCE WITH ASTM A780.
- 6. ALL STEEL EXPOSED TO VIEW, NOT GALVANIZED OR STAINLESS, SHALL BE PRIMED AND PAINTED PER THE PROJECT SPECIFIC PAINTING SPECIFICATIONS. ALL OTHER STEEL SHALL BE PRIMED.

V. STRUT SYSTEM

- 1. ALL STRUT SYSTEM COMPONENTS SHALL BE B-LINE BY EATON. PART NUMBERS CALLED OUT ON DRAWINGS REFERENCE B-LINE COMPONENTS, U.O.N.
- 2. COMPONENTS EXPOSED TO WEATHER SHALL BE HOT-DIPPED GALVANIZED. TREAT CUT ENDS WITH GALVAGUARD OR SIMILAR. ALL OTHER COMPONENTS SHALL BE ELECTRO-GALVANIZED, U,O,N.
- 3. STRUT MEMBERS SHALL NOT HAVE SLOTTED HOLES UNLESS SPECIFICALLY CALLED FOR ON THE DRAWINGS.
- 4. THREADED ROD SHALL BE A36. USE STAINLESS STEEL WHERE NOTED ON THE DRAWINGS.
- 5. ROD COUPLERS MUST CONFORM TO ASTM A563 STEEL WITH A MINIMUM OF 58 KSI TENSILE STRENGTH. MINIMUM ENGAGEMENT INTO ROD COUPLER MUST BE EQUAL TO THE THREADED ROD DIAMETER.
- 6. INSTALLER SHALL EXAMINE WORK AREA PRIOR TO INSTALLATION. IF CONDITIONS ARE NOT AS SHOWN ON THE DRAWINGS, NOTIFY THE OWNER'S REPRESENTATIVE AND AWAIT DIRECTION BEFORE PROCEEDING WITH INSTALLATION.
- 7. INSTALL STRUT SYSTEM AS SHOWN ON THE DRAWINGS. TIGHTEN ALL CONNECTIONS TO THE FOLLOWING TORQUES:

DIAMETER TORQUE
(INCHES) (FT-LBS)
3/8 19
1/2 50

VI. POST-INSTALLED CONCRETE ANCHORS

- 1. WHEN INSTALLING DRILLED-IN ANCHORS AND/OR POWDER DRIVEN PINS IN EXISTING NON-PRESTRESSED REINFORCED CONCRETE, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE EXISTING REINFORCING BARS. MAINTAIN A MINIMUM CLEARANCE OF ONE INCH BETWEEN THE REINFORCEMENT AND THE DRILLED-IN ANCHOR AND/OR PIN. IF REINFORCING STEEL IS CUT OR DAMAGED DURING INSTALLATION, NOTIFY THE OWNER'S REPRESENTATIVE.
- 2. REQUIRED ANCHOR EMBEDMENT MUST BE IN THE CONCRETE ELEMENT, EXCLUSIVE OF THE THICKNESS OF ANY MORTAR BED. FLOOR FINISH. OR OTHER TOPPING THAT MAY BE PRESENT.

3. EXPANSION ANCHORS

- 3.1 EXPANSION ANCHORS SHALL BE HILTI KWIK BOLT TZ (ICC REPORT NO. ESR-1917, MAY 2017). INSTALL ANCHORS IN STRICT ACCORDANCE WITH ESR AND MANUFACTURER'S REQUIREMENTS.
- 3.2 ANCHOR EMBEDMENT SPECIFIED ON THE DRAWINGS REFERS TO "EFFECTIVE MINIMUM EMBEDMENT" IN ACCORDANCE WITH THE MANUFACTURER'S ESR. REFER TO ESR FOR REQUIRED HOLE DEPTH.3.3 PROVIDE STAINLESS STEEL, UNLESS OTHERWISE NOTED.
- 3.4 TORQUE TEST EXPANSION ANCHORS PER THE "DRILLED—IN MECHANICAL ANCHORS TESTING REQUIREMENTS" BELOW.
- 3.5 HOLES DRILLED FOR ANCHORS THAT DO NOT SET PROPERLY OR FAIL A TORQUE TEST MAY NOT BE REUSED, AND SHALL BE FILLED WITH NON—SHRINK GROUT. A RELOCATED ANCHOR SHALL BE INSTALLED NOT CLOSER THAN 3 ANCHOR DIAMETERS FROM THE ABANDONED HOLE.

VII. DRILLED-IN MECHANICAL ANCHORS TESTING REQUIREMENTS

- 1. AN INDEPENDENT TESTING AGENCY AND SPECIAL INSPECTORS WILL BE RETAINED BY THE OWNER TO PERFORM THE FOLLOWING TESTS AND INSPECTION. PROVIDE ACCESS AND FURNISH SAMPLES TO THE AGENCY AS REQUIRED BY THE CONTRACT DOCUMENTS.
- 2. IF INITIAL TESTS OR INSPECTIONS MADE BY THE OWNER'S TESTING AGENCY REVEAL THAT ANY PORTION OF THE WORK DOES NOT COMPLY WITH THE CONTRACT DOCUMENTS, ADDITIONAL TESTS, INSPECTIONS, AND NECESSARY REPAIRS WILL BE MADE AT THE CONTRACTOR'S EXPENSE.
- 3. TEST EQUIPMENT SHALL BE CALIBRATED BY AN APPROVED TESTING LABORATORY IN ACCORDANCE WITH STANDARD RECOGNIZED PROCEDURES.
- 4. HOLES DRILLED FOR ANCHORS THAT DO NOT SET PROPERLY OR FAIL PROOF TESTING MAY NOT BE REUSED, AND SHALL BE FILLED WITH NON—SHRINK GROUT.
- 5. TEST ALL ANCHORS IN THE PRESENCE OF THE INSPECTOR OF RECORD OR SPECIAL INSPECTOR.
- 6. IF ANY ANCHOR FAILS TESTING, TEST ALL ANCHORS OF THE SAME TYPE, INSTALLED BY THE SAME TRADE, NOT PREVIOUSLY TESTED UNTIL TWENTY (20) CONSECUTIVE ANCHORS PASS, THEN RESUME THE INITIAL TEST FREQUENCY.
- 7. <u>EXPANSION ANCHOR TESTING</u>
- 7.1 EXPANSION ANCHORS SHALL BE PROOF-TESTED BY THE OWNER'S TESTING AND INSPECTION
- 7.2 TEST 50% OF EXPANSION ANCHORS TO TORQUE LISTED BELOW, UNLESS OTHERWISE NOTED, ACCEPTANCE OF THE INSTALLED ANCHOR REQUIRES THAT THE APPLICABLE TEST TORQUE IS REACHED WITHIN ONE—HALF TURN OF THE NUT. EXCEPTION: ONE—QUARTER TURN OF THE NUT FOR 3/8" ANCHORS.

ANCHOR DIA. TORQUE
(INCHES) (FT-LBS
3/8 25
1/2 40
5/8 60

VIII. DESIGN CRITERIA

- 1. DESCRIPTION OF WORK: INSTALLATION OF A NEW EXHAUST FAN TO SERVE ED LOBBY
- 2. GOVERNING CODE: 2016 CALIFORNIA BUILDING CODE AND ASCE 7-10

RISK CATEGORY: IV

3. SEISMIC DEMAND PARAMETERS PER ASCE 7-10 CHAPTER 11:

SEISMIC DESIGN CATEGORY: F

SITE CLASS: D

SITE SPECIFIC GROUND MOTION PARAMETERS: $S_S = 2.048g$ $S_1 = 0.837g$

4. SEISMIC DEMANDS ON NONSTRUCTURAL COMPONENTS PER ASCE 7-10 CHAPTER 13:

 $F_{P} = \frac{0.4 a_{P} S_{DS} W_{P} (1 + 2z/h)}{(R_{P}/I_{P})}$

 $F_{P,MIN} = 0.3S_{DS}I_{P}W_{P}$ $E_{V} = 0.2S_{DS}W_{P}$

 $S_{DS} = 1.366g$

 $S_{D1} = 0.837g$

WHERE: $I_P = 1.5$ z/h = 0.0 AT GRADE $Q_P = VARIES$

 $a_P = VARIES$ $R_P = VARIES$ $\Omega o = 2.5$

5. WIND DEMANDS ON NONSTRUCTURAL COMPONENTS PER ASCE 7-10 CHAPTER 29:

BASIC WIND SPEED: V=115 MPH EXPOSURE: C COMPONENT HEIGHT: O' DIRECTIONALITY FACTOR: $K_D=0.90$ TOPOGRAPHIC FACTOR: $K_{ZT}=1.0$ VELOCITY PRESSURE EXPOSURE COEFFICIENT: $K_Z=0.85$

VELOCITY PRESSURE: $q_z = 28.6 \text{ psf}$

MAZZETT

3600 American River Drive, 203
Sacramento, CA 95864-5950
TEL: 916.979.4890
www.mazzetti.com

Project Number: 125-032

ALAMEDA COUNTY MEDICAL CENTER

GENERAL SERVICES AGENCY

1401 LAKESIDE DRIVE, 10TH FLOOR

COUNTY OF ALAMEDA

OAKLAND, CA 94612

HIGHLAND HOSPITAL

Acute Tower Replacement Project

PREPARED FOR:

1411 EAST 31ST STREET, OAKLAND, CA 94612



SEALS AND SIGNATURES



PROJECT TITLE

LOBBY AIRFLOW STUDY

HEET TITLE

SEISMIC BRACING OF SUSPENDED PIPING, CONDUIT AND DUCTWORK

PROJECT NUMBER

S1.0

SHEET NUMBER

1) GENERAL NOTES

iot Date:P:\PROJECTS\19194.0 — Highland Hospital E

(13) EQUIPMENT PAD