## S F E I R A R C H I T E C T S

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**November 1, 2017** 

## **TCMC Emergency Department**

4002 VISTA WAY OCEANSIDE, CA 92056

SA # 01593.00

**BID ADDENDUM NO. 1** 

#### General:

All Contractors submitting proposals for the above named project shall take note of the following changes, additions, interpretations, clarifications, etc., in connection with the drawings and specifications and other general documents.

The following instructions have precedence over anything contrarily shown on the drawings or described in the specifications and shall be included in the contractor's bids.

Acknowledge receipt of this addendum by inserting its number and date in the space provided in the Bid Proposal.

Failure to do so may subject bidder to disqualification.

This addendum No. 1 consists of (102) pages.

## PROJECT MANUAL:

No items.

## **DRAWINGS:**

Item No. 1 - Cover Sheet:

Add "Delta 6" - Design changes dated 10/30/17.

## Item No. 2 - <u>Sheet A0 - 00</u>:

Delete "Index of Drawings" in its entirety & Add New "Index of Drawings" Showing the correct order of drawings.

## Item No. 3 - Sheet A1 - 20:

Phasing Plan Keynotes:

Add the following Keynotes:
"5 – Return infection Control partition to fascia
Below Diffusers."

"6 – Secure a weather tight enclosure."

Delete phasing Plan Keynote 2 in its entirety.

Add the following the following Keynote 2: "2 – Temporary 1 hour rated gypsum wall board partition from floor to underside of existing ceiling above".

Add Keynote 6 to removed external door.

Add Keynote 5 to Infection Partition, East of column Line 20.8.

## Item No. 4 - Sheet A1 - 21:

Add Keynote 1 to existing door to remain to form an Ante Room.

## Item No. 5 - Sheet A4 - 00:

Add Keynote 3 to existing door at room 203.

Add Keynote 10 to existing partition in corridor 213.

Remove Gyp. BD North wall of Room 212 near column 20.

Remove Gyp. BD East wall of Room 211 at column H.S.

## Item No. 6 - <u>Sheet A4 - 01</u>:

Add the following to Keynote 16: "Save for re-installation."

Add Keynote 21 pointing to cavity wall behind toilet fixtures in toilet room along column line 17.1

#### Item No. 7 - Sheet A4 - 10:

Floor Plan Keynotes:

Add the following to Keynote "12": "Use 10B/S1".

Add the following to Keynote "17": "After word 1/SD2, Add "Similar".

Add Keynotes:

"34 – Patch GWB, Prime and Paint to Match existing.

35 – Use 3 <sup>5/8</sup>" Steel Studs described in Partition A1 and create cavity 36 – Add <sup>5/8</sup>" Gyp. BD.

Remove all references Keynote "17" near door 207B.

Delete wall tag "B1" in Room 207A and add wall tag "C".

Add Keynote "10" to Room 207C.

Delete wall tag "B1" and add wall tag "C" in partition

between Rooms 207C and 207D and between Rooms 207D and 207.

Add arrow to Keynotes "24" in Room 207 pointing to countertop in Room 207.

Delete Keynote "4" Pointing to Door 207-C and add Keynote "5".

Add Keynote "10" to countertop in Room 207D.

Add Partition type "B1" on the East, North and West of Nurse call Panel.

Delete Wall Tag "B1" and "A1" and add wall tag "C" to wall at door 207-C.

Add Keynote "2" to Lavatory in Room 207F.

Delete wall tag "B1" and add wall tag "C" in Room 207F.

Delete wall tag "B1" and add Wall tag "C" between Room 207 and 207E.

Add Keynote "17" to wall between Room 208 and Room 207F.

Add Keynote "34" next to Keynote "21" in corridor 213.

Delete Wall tag "C" between registration Booth and corridor 208 and add "A1".

Add wall tag "A" in cavity wall 011 of corridor 208.

Add wall tag "W1" to exterior wall infill.

Delete wall tag "B1" and add wall tag "C" between Room 211 and 205.

Add wall tag "A" and Keynote 35 to cavity wall between Room 205 and 204 and between Rooms 205, 204 and 201.

Delete wall tag "B1" between Room 207E and Room 207B, and add wall tag "C".

Add Keynote "14" to Room 201.

Add Keynote "10" to Room 207F.

Delete wall tag "B1" above door 208C and add wall tag "C".

Delete wall tag "A1" @ Door 207-C. Add wall tag "C".

Add section tags "3/SD1 SIM" and "4/A6-01" to Room 207F.

Add "CG" near Door 207-C.

Delete wall tag "A" near exterior Door.

Add Keynote "35" to wall tag.

## Item No. 8 - <u>Sheet A4 - 11:</u>

Add Keynote "29" to areas behind plumbing fixtures.

Delete Keynote "13" in Rooms 276 and 278.

Delete wall tag "B1" between Rooms 277, 276, 279 and 278.

Delete Keynote "31" and extend Keynote "27" to corner.

## Item No. 9 - <u>Sheet A4 - 20:</u>

Add the following Keynotes to RCP demolition Keynotes:

"14 – Remove CCTV devices and save for reinstallation."

"15 - CCTV to remain."

Add Keynote "14" in Room 211.

Add Keynote "15" in Room 213.

Add Keynote "14" in Room 201 along column Line J.

Add Keynotes "14" South of Room 201.

Add Keynotes "1" in front of Room 203.

Add Keynotes "15" at the North end of Room 201.

## Item No. $10 - \underline{\text{Sheet A4} - 30}$ :

## RCP Keynotes:

Delete "Prime and Paint with epoxy" and add "Vinyl coated Gypsum ceiling panels only in Rooms 207A, 207B, 207E, 207F, 207, 207D and 207C." in Keynote "1".

Delete "Epoxy Paint" and add "Semi - Gloss" in Keynote "2".

Delete "GWB" and add "2'x2' ACP soffit", delete "with Epoxy Paint" and add "Fascia Semi - Gloss"

Delete "8/A5 - 81" and ADD "5 & 7/A5 - 60." In Keynote "5".

## Add the following Keynotes:

"13 - New window shades refer to 3/A5 - 80".

"14 – Existing saved CCTV to be installed in this location. Extend conduits as needed."

"15 - Existing CCTV to remain."

"16 - 12"x 24" Fire rated ceiling access panel. Prime and Paint. Refer to detail 5 && 7 on A5 - 60.

Add section tag 12/A5 – 80 on East wall of Room 207C.

Add Keynote "15" in corridor 213.

Add Keynote "14" in corridor 208.

Add exhaust register in corridor 208.

Add section tag "12/A5-80" between room.

Add Keynote "14" in room 207.

Add Nurse Call "Dome Light" East of column Line 19.7.

Remove Air Supply Grille in Room 202.

Remove one exhaust register in corridor 208.

Add Keynote "13" in rooms 211, 210 and 208.

Move light fixture and sprinkler head in Room 211.

Add Keynote "1" in area in front of office 203.

Add Exhaust Grille in front of Rooms "203" and "205".

Add Keynote "16" to access panels in Room 207, 207B and 207E.

Remove Dome lights in front of Rooms 207A and 207B.

Add Keynote "14" & "15" in Room 201.

## Item No. 11 - <u>Sheet A4 - 31</u>:

Delete "Air Return Grille" and add "Exhaust Grille" in Room 277.

Delete "Air Return Grille" and add "Exhaust Grille".

Delete wall section 3/A5-61 and add wall section 3/A6-01.

## Item No. 12 - <u>Sheet A4 – 40</u>:

- -Detail1. Add Keynote "37". Delete Keynote "6" and add Keynote "36".
- -Detail 2. Add Keynote "37" and Add section tag "7/A5 80". Delete Keynote "6" and add Keynote "36".
- -Detail 3. Add chair rail Keynote "18" and Keynote "4".
- -Detail 5. Delete section tag "4G/A6 00" and Add section tag "4F/A6 00".
- -Detail 8. Add section tags "9/A5 80" and "7/A5 80". Add Keynote "37". Add section tag 8/A5 80. -Detail 9. Add section tags "9/A5 80" and "8/A5 80". Add Keynote "37".
- -Detail 10. Add Keynote "37". Delete Keynote "7".
- -Delete equipment schedule in its entirety and add revised equipment schedule.

## Elevation Keynotes:

Delete "4" in Keynote "7" and add "6" in Keynote "7".

Add "See Detail 5/ID-2" to Keynote 18.

Add Keynote "37. Back Splash side return".

Add Keynote "38. Provide Detail 10/A5 – 80."

## Item No. 13 - Sheet A4 - 41:

#### Elevation Keynotes:

Add the following keynotes: "39 – End Panel Support with plastic laminate over (2) layers of 3/4" plywood."

- "40 Anchor per detail 4/A6 01".
- -Detail 1. Delete Keynote "2".
- -Detail 2. Revise wall at right hand side.
- -Detail 3. revise ceiling termination, add section tag "13/A5 80" above opening. Add Keynote 5 to wall.
- -Detail 4. Add Four locations for Keynote "38". Add section tag "13/A5 80 over openings.
- -Detail 7. Add section tag "13/A5 80" over opening.
- -Detail 8. Add Keynote "38".
- -Detail 9. Add keynote "10".
- -Detail 10. Delete Keynote "3", and add Keynote "4". Add section tag 3/A5 – 80 over opening.
- -Detail 11. Add dimension for medical gases. Add Keynote "24".
- -Detail 12. Add Keynotes "3", "9" and "38".
- -Detail 13. Add dimensions to medical gases. Delete Keynote "9", add Keynote "6". Add Keynote "39".
- -Detail 14. Add Keynote "38". Delete Keynote "9", add

## Keynote "6" ass Keynote "39".

## Item No. 14 - Sheet A4 - 42:

- -Detail 1. Add Keynote 40.
- -Detail 2. Add dimension to medical gases. Add equipment tag "004".
- -Detail 4. Add Keynote "40".
- -Detail 6. Add dimension to medical gases.
- -Detail 8. Add Keynote "40".
- -Detail 9. Add dimension to medical gases. Add equipment tag "004".
- -Detail 11. Add framing around Nurse Call Panel. Add Keynote "4". Add Millwork section tag "8/A5 80".

## Item No. 15 - <u>Sheet A4 - 43</u>:

Elevation Keynotes:

Keynote 29. Delete "6/ID - 3" and add "6/ID - 2".

- -Detail 1. Add Keynote "37". Change toilet seat graphics.
  Add section tag "15/A5 80".
- -Detail 2. Add accessory "graphics J&H". Delete Keynote "31".
- -Detail 4. Point Keynote "31" to the accessory. Delete accessory "F". Add Keynote "37" change toilet seat graphics.
- -Detail 6. Add graphics to accessory "J"

- -Detail 7. Add section tag "15/A5 80" add Keynote "37".
- -Detail 8. Add Keynote "37". Point tag "E" to the accessory.
- -Detail 9. Add Keynote "37". Change toilet seat graphics.
- -Detail 10. Add Keynote 37. Add section tag "15/A5 80". Change toilet seat graphics.
- -Detail 11. Add accessory tag "H" & "J" to accessory. Add Keynote "31".
- -Detail 13. Add accessory tag "H", J" along with Keynote "31".
- -Detail 14. Change toilet seat graphics.
- -Detail 15. Change toilet seat graphics.

## Item No. 16 - Sheet A5 - 31:

Revise Detail 2 to match structural details.

## Item No. 17 - <u>Sheet A5 – 80:</u>

Delete Detail 2.

Add solid surface to Detail 10.

Delete base height in detail 7 and 8 add base height 6".

Delete plastic laminate dust cover add gyp board soffit and fascia in Detail 9 and add "Gyp. BD soffit see 2/SD4".

Add Notes "Framing per 3/SD4", "Side back splash to

Detail 15."

-Detail 5. Delete "Where Indicated" and add "Gyp. BD. See 2/SD4"

## Item No. 18 - Sheet A5 - 81:

- -Detail 1. Delete partition tag "A1" above ceiling and partition tag "D".
- -Detail 4. Add "Fire rated" to  $\frac{1}{4}$ " tempered glass. Add "Primed" to painted steel window frame.
- -Detail 5. Add partition tag "A3" to partition above the ceiling.
- -Detail 7. Add to EIFS note, "EIFS color to match existing".
- -Detail 8. Delete "Detail x" in "Note", and add "Detail "1/SD2". Add "Note: Add 5/8" layer wrap on all sides of box in 1-hr rated partitions".
- -Detail 10. Delete "Stone" and add "Granite".
- -Detail 11. Delete Partition tag "A1" above ceiling and add partition tag "D". Modify detail above header.

## Item No. 19 - <u>Sheet A6 - 00</u>:

Door and Frame Schedule:

Delete Door Type "1D" for Doors 204 -A & 205-A and add Door Type "1A"

## Item No. 20 - <u>Sheet A6 - 01:</u>

Add Detail "4 - Ergotron Anchorage"

## Item No. 21 - Sheet A6 - 20:

Delete equipment schedule in its entirety and add new equipment schedule. No new equipment added to the schedule. OFOI/OFCI columns were revised. Quantity of equipment 14 & 15 were revised. Detail 4/A6 – 01 was added to equipment 015.

Add the following equipment tags to Detail 1:

- Tag "017" above all equipment "004".
- Tag "015" to equipment tag "003".
- Tag "003" to wall mounted computer in Room 207C.
- Tag "011", "012" and "016" to two desk top computers in Room 207.

## Item No. 22 - Sheet ID - 1:

#### -Detail 1:

Add line showing limits for new finishes. Near column Line 20, 228, 19.7 and Triage 01 and North corridor.

Add Keynote "3" & "1" to tag "WC -2" East of column line 19.7.

Delete "P-2" and add "P-1" in Room 207F.

Delete "P-?" and Keynotes "1" & "3". Delete "SV-3".

In Room 208, add tag "WC-2" & "CR-1". Delete LV - 2.

In Room 202, Delete tag "DR-1" at exterior Door. Add tag "SS-1" to counter tops. Delete tag "PL-2" and add "PL-1" add "CR-1".

In Room 211 Delete tag "P-2" and add "P-1".

In Room 204 & 205 add tag "SS-1" to countertops.

Add Keynote "1" in office North of Room 204.

Add keynote "1" in Room 201. Delete "LVT-2" and add "LVT-1". Delete "P-?" and add "CR-1".

Add Keynote "2" to tag "LVT-1" in Room 201.

In corridor North of Room 207A, delete tag "P-4" and "B-5", add tag "B-3" and keynote "3" & "4".

In Room 207, add tag "DR-1" to door located on North Wall.

In Room 207B, delete tag "P-2" and add "P-1". Delete "SV-1" Pointing to counter top.

#### Finish Schedule:

Add "CR-1" under walls. "CR-1: Acrovyn rail."

## Add Finish Plan Keynotes:

"Finish Plan Keynotes:

- 1- Prime and Paint walls & ceilings to match existing. Coordinate with owner.
- 2- Lobby waiting floor & base finish, coordinate with owner.
- 3- Salvage & reinstall bumper rail.
- 4- Stainless steel wall protection to match existing."

## Item No. 23 - <u>Sheet ID - 3:</u>

-Detail 1:

Add "DR-1" Frame to existing Lockers Room door to remain.

Delete "SV-1" and add "PT-1" in Room 276.

Add "SS-1" to countertop in Room 276.

Finish Schedule:

Add "CR-1" under walls. "CR-1: Acrovyn rail."

Item No. 24 - <u>Sheet S - 2:</u>

Delete Detail tag "1/SD2" next to Door 207B.

Add Detail tag "1/SD2" to wall between room 208 and 207F.

Item No. 25 - Sheet SD3:

Delete extended plate between "curb" and steel deck.

Item No. 26 - Sheet SD4:

Delete "3625163-S4 Metal Stud @ 16" O.C." above header, and add "Shaft Wall Framing" above header.

Item No. 27 - <u>Sheet M203:</u>

Delete 18"x10" Louver from Door.

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## Item No. 28 - <u>Sheet PD 201</u>:

Keep existing sink & associated piping in scope, it will not be demolished.

Demolish existing Med Gases in existing Triage Control 207 along column line 22.8.

## Item No. 29 - <u>Sheet E100:</u>

Move TTY Phone and associated conduits & wiring to exterior ED East Wall.

## Item No. 30 - Sheet E200:

Add (6) additional Floor outlets to be removed. Delete Note "3" and Add Note "6".

Add Note "6" to "Notes".
"6 – Remove Floor outlets and associated wire and conduits."

## Item No. 31 - Sheet E202:

Move access control Device along column 19.7.

## Item No. 32 - Sheet E203:

Move conduits away from the skylight.

## Item No. 33 - Construction Drawings:

Delete Construction Drawings set with Delta 5 Dated 8/11/17 in its entirety and add Construction Drawing set with Delta 6 dated 10/30/17. The changes to the Delta 6 are listed above under drawings. Items 1 to Item 32, in this Addendum 001.

#### PRE-BID RFI's:

Add the following RFI's Responses Received from Good-Men Inc. and Kitchell Contractors.

RFI 001 Good-Men, Inc. Response Dated 10/31/17. RFI 002 Good-Men, Inc. Response Dated 10/31/17. RFI 003 Good-Men, Inc. Response Dated 10/31/17. RFI 004 Good-Men, Inc. Response Dated 10/31/17. RFI 011 Kitchell Contractors. Response Dated 10/31/17. RFI 012 Kitchell Contractors. Response Dated 10/31/17. RFI 013 Kitchell Contractors. Response Dated 10/31/17. RFI 013 Kitchell Contractors. Response Dated 10/31/17. RFI 014 Kitchell Contractors. Response Dated 10/31/17. RFI 015 Kitchell Contractors. Response Dated 10/31/17. RFI 016 Kitchell Contractors. Response Dated 10/31/17. RFI 017 Kitchell Contractors. Response Dated 11/1/17. RFI 018 Kitchell Contractors. Response Dated 11/1/17. RFI 019 Kitchell Contractors. Response Dated 11/1/17. RFI 020 Kitchell Contractors. Response Dated 11/1/17.

**END OF ADDENDUM # 1** 

# TCMC EMERGENCY DEPARTMENT

# TRI-CITY MEDICAL CENTER

4002 VISTA WAY OCEANSIDE, CALIFORNIA 92056

# 100% CONSTRUCTION DOCUMENTS 08/03/16

OSHPD COMMENTS: 12/01/16

DESIGN CHANGES: 12/01/16

> OSHPD COMMENTS: 02/14/17

DESIGN CHANGES: 02/14/17

OSHPD COMMENTS: 08/11/17

DESIGN CHANGES: 10/30/17

## STRUCTURAL:

SUN STRUCTURAL ENGINEERING

2091 Las Palmas Drive, Suite D Carlsbad, CA 92011 P: 760-438-1188

## ARCHITECTURE:

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\* 128543 7 \*

OSHPD PROJECT NUMBER: S162093-37-00

#### **ABBREVIATIONS:** SEISMIC BRACING **GENERAL NOTES INDEX OF DRAWINGS:** THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CHECKING CONTRACT SEISMIC BRACING - CBC 2016 CHAPTER 16A/ASCE 7-10 HVAC DUCTWORK, PLUMBING/ THE LAYOUT DRAWINGS (WITH THE SHOP DRAWING STAMP) SHALL BE SUBMITTED TO DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS FOR ACCURACY, AND **ARCHITECTURAL** ACOUSTICAL CEILING TILE HORIZ HORIZONTAL PIPING AND CONDUIT SYSTEMS. OSHPD TO REVIEW CONFIRMING THAT WORK IS BUILDABLE AS SHOWN BEFORE PROCEEDING WITH AI UM ALUMINUM INSIDE DIAMETER CONSTRUCTION. IF THERE ARE ANY QUESTIONS REGARDING THESE OR OTHER A0-00 PROJECT INFORMATION **ALTERNATE** INSULATION 1) STRUCTURE SUPPORTING THE DISTRIBUTION SYSTEM HAS ADEQUATE ALL PIPES, DUCTS AND CONDUIT SHALL BE BRACED TO RESIST THE FORCES COORDINATION ISSUES, THE GENERAL CONTRACTOR IS RESPONSIBLE FOR SITE - ZONING - CODE **ACCESS PANEL** A1-00 INT INTERIOR PRESCRIBED IN 2016 CBC CHAPTER 16A/ASCE 7-10. DUCTWORK SHALL BE OBTAINING A CLARIFICATION FROM THE OWNERS' REPRESENTATIVE BEFORE ARCH **ARCHITECT** A1-01 **JANITOR** CONSTRUCTED IN ACCORDANCE WITH PROVISIONS CONTAINED IN PART 4, TITLE 24 OVERALL FIRST FLOOR PLAN PROCEEDING WITH WORK IN QUESTION OR RELATED WORK BOARD I AMINATE LAM CALIFORNIA MECHANICAL CODE. WHERE POSSIBLE, PIPES, CONDUIT, AND THEIR 2) SEISMIC DESIGN FORCES (FP) ARE IN ACCORDANCE WITH CBC 2016, AND A1-01A CODE COMPLIANCE FIRST FLOOR PLAN BLDG BUILDING LONG LEG HORIZONTAL CONNECTIONS SHALL BE CONSTRUCTED OF DUCTILE MATERIALS (COPPER, DUCTILE A1-02 ADA COMPLIANCE DETAILS THE GENERAL CONTRACTOR SHALL INFORM THE OWNERS' REPRESENTATIVE. PRIOR BLK'G **BLOCKING** LONG LEG VERTICAL IRON, STEEL OR ALUMINUM AND BRAZED, WELDED OR SCREWED CONNECTIONS). 3) VERIFY THAT SUBMITTAL IS WITHIN THE SCOPE OF OSHPD PRE-APPROVAL OF: A1-20 1/8" OVERALL FIRST FLOOR PLAN - PHASING TO CONSTRUCTION, OF ANY CONFLICTS THAT EXIST IN ANY AND ALL MECHANICAL, BMBEAM LGT WG1 LIGHT WEIGHT PIPES, CONDUITS AND THEIR CONNECTIONS, CONSTRUCTED OF NONDUCTILE MANUFACTURER'S CERTIFICATION (OPM): A1-21 1/8" PARTIAL FIRST FLOOR PLAN - PHASING TELEPHONE, ELECTRICAL, LIGHTING, PLUMBING AND SPRINKLER EQUIPMENT BOT BOTTOM MAX MAXIMUM MATERIALS (E.G., CAST IRON, NO-HUB PIPE AND PLASTIC), SHALL HAVE THE BRACE A4-00 1/4" PARTIAL DEMO FIRST LOCATIONS INCLUDING ALL PIPING, DUCTWORK AND CONDUIT, AND INSURE THAT ALL CAB CABINET MECH MECHANICAL SPACING REDUCED TO SATISFY REQUIREMENTS OF ASCE 7-10 CHAPTER 13 AND NOT SIZE OF DISTRIBUTION SYSTEM COMPONENTS. A4-01 1/4" PARTIAL DEMO FIRST REQUIRED CLEARANCES FOR INSTALLATION AND MAINTENANCE ARE PROVIDED. CAR CARPET MINIMUM TO EXCEED ONE-HALF OF THE SPACING ALLOWED FOR DUCTILE MATERIALS. SPACING OF BRACING AND FLEX JOINTS. AND www.sfeirarch.com A4-10 1/4" PARTIAL FIRST CEM CEMENT MISC MISCELL ANEOUS SUBSTRATE FOR ATTACHMENTS. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL WORK <sup>\_\_</sup> A4-11 1/4" PARTIAL FIRST **CERAMIC TILE** NOT IN CONTRACT SEISMIC SUPPORTS ARE NOT REUIRED FOR HVAC DUCTWORK WITH I = 1.5 IF EITHER AND MATERIALS IN ACCORDANCE WITH ALL CODES AND REQUIREMENTS OF STATE NO/# OF THE FOLLOWING CONDITIONS IS MET FOR THE FULL LENGTH OF EACH DUCT RUN: A4-20 1/4" PARTIAL DEMO RCP FIRST CLG CEILING NUMBER AND LOCAL REGULATORY AGENCIES. CLR CLEAR NTS NOT TO SCALE <sup>4</sup> A4-21 1/4" PARTIAL DEMO RCP FIRST THE LAYOUT DRAWINGS (WITH THE SHOP DRAWINGS STAMP) SHALL BE KEPT ON CTR COUNTER NOT RATED A4-30 1/4" PARTIAL RCP FIRST THE JOBSITE AND CAN THEM BE USED FOR INSTALLATION OF THE SUPPORT AND ALL WORK NOT SPECIFICALLY COVERED IN THE CONTRACT DOCUMENTS SHALL BE COL COLUMN OC ON CENTER <sup>4</sup> A4-31 1/4" PARTIAL RCP FIRST FURNISHED AND INSTALLED IN ACCORDANCE WITH CONSTRUCTION INDUSTRY CONSTR CONSTRUCTION OD **OUTSIDE DIAMETER** TRAPEZE ASSEMBLIES ARE USED TO SUPPORT DUCTWORK AND THE TOTAL A4-40 1/4" INTERIOR ELEVATIONS CONT CONTINUOUS OPNG **OPENING** WEIGHT FOR THE DUCTWORK SUPPORTED BY TRAPEZE ASSEMBLIES IS LESS a) OSHPD FIELD STAFF WILL REVIEW THE INSTALLATION. A4-41 1/4" INTERIOR ELEVATIONS CORR CORRIDOR OPPOSITE THAN 10 LB/FT OR A4-42 1/4" INTERIOR ELEVATIONS DRAWINGS, THOUGH NOTED TO SCALE, ARE DIAGRAMMATICAL. DO NOT SCALE **DBL** DOUBLE PLATE/PROPERTY LINE A COPY OF THE CHOSEN BRACING SYSTEM(S) INSTALLATION GUIDE/OPM MANUAL A4-43 1/4" INTERIOR ELEVATIONS DEPT DEPARTMEN1 PLASTIC LAMINATE THE DUCTWORK IS SUPPORTED BY HANGERS AND EACH HANGER IN THE PL LAM SHALL BE ON THE JOBSITE PRIOR TO STARTING THE INSTALLATION OF HANGERS A5-00 FIRE RATED ASSEMBLIES DF DRINKING FOUNTAIN PLWD PLYWOOD DUCT RUN IS 12" OR LESS IN LENGTH FORM THE DUCT SUPPORT POINT TO ALL HEIGHTS ARE DIMENSIONED FROM TOP OF SLAB UNLESS OTHERWISE NOTED A5-01 TYPICAL RATED PARTITION ASSEMBLIES DIAMETER POL POLISHED THE SUPPORTING STRUCTURE. WHERE ROD HANGERS ARE USED WITH A A5-30 1/4" PARTIAL DEMO ROOF PLAN IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN COPIES OF OPM AND DIM DIMENSION PR PAIR DIAMETER GREATER THAN 3/8", THEY SHALL BE EQUIPPED WITH SWIVELS TO THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR DOCUMENTING ALL 1/4" PARTIAL ROOF PLAN FURNISH THE IOR WITH ONE COPY OF EACH. A5-31 DISP DISPENSER PRESSURE TREATED PREVENT INELASTIC BENDING IN THE ROD. CHANGES TO THE CONSTRUCTION DOCUMENTS, NO MATTER HOW MINOR, FOR AS-A5-60 **GYPSUM CEILING DETAILS** DN DOWN PAINTED BUILT RECORD DOCUMENTS. THESE DOCUMENTS ARE TO BE GIVEN TO THE WHERE PROVISIONS ARE MADE TO AVOID IMPACT WITH LARGER DUCTS OR A5-70 DRAIN QUANTITY COMPONENTS OF TWO OR MORE PRE-APPROVED BRACING SYSTEMS SHALL NOT LAY IN CEILING DETAILS OWNERS' REPRESENTATIVE WITHIN 2 WEEKS AFTER FINAL COMPLETION. DET DETAIL MECHANICAL COMPONENTS ROT O PROTECT THE DUCTS IN THE EVENT OF RADIUS BE MIXED. A5-80 **DETAILS** SUCH, AND HVAC DUCTS HAVE A CROSS-SECTION AREA OF 6 FT2 OR LESS. DWG DRAWING **ROOF DRAIN** A5-81 DETAILS THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL DWR OR WEIGH 10 LB/FT OR LESS. DRAWFR REFERENCE ONLY ONE PRE-APPROVED BRACING SYSTEM MAY BE USED FOR A RUN OF PIPE, A6-00 DOOR AND INTERIOR OPENINGS SCHEDULE UTILITIES INDICATED ON THE INTERIOR ELEVATIONS WITH THE ELECTRICAL AND EACH REINF REINFORCING A6-01 HVAC DUCT SYSTEMS FABRICATED AND INSTALLED IN ACCORDANCE WITH PLUMBING SUBCONTRACTORS EXPANSION JOIN RM ROOM **EQUIPMENT PLAN DETAILS AND SCHEDULE** A6-20 STANDARDS APPROVED BY THE AUTHORITY HAVING JURISDICTION SHALL BE ELECT ELECTRICAL RO ROUGH OPENING b) ANY SUBSTITUTION OF COMPONENT OF A PRE-APPROVED BRACING SYSTEM IN THE CASE OF CONFLICTS OR AMBIGUITIES NOT CLARIFIED PRIOR TO THE BIDDING DEEMED TO MEET THE LATERAL BRACING REQUIREMENTS OF THIS SECTIONS **INTERIOR FINISHES ENCL ENCLOSURE** RUBBER SHALL REQUIRE OSHPD REVIEW AND APPROVAL. DEADLINE, USE THE MOST COSTLY ALTERNATIVE (BETTER QUALITY, GREATER EQ EQUAL SOLID CORE QUANTITY AND LARGER SIZE) IN PREPARING THE BID. A CLARIFICATION WILL BE COMPONENTS THAT ARE INSTALED IN-LINE WITH THE DUCT SYSTEM AND HAVE REFERENCE: 2016 CAC SECTIONS 7-115, 7-126, 7-153, AND CBC 2016 SECTION 107. ID-1 FINISHES FLOOR PLAN, GENERAL NOTES & LEGEND EW **EACH WAY** SCHED SCHEDULE ISSUED TO THE SUCCESSFUL BIDDER AS SOON AS FEASIBLE AFTER THE AWARD AN OPERATING WEIGHT GREATER THAN 75 LB. (334N). SUCH AS FANS, HEAT EWC ELECT WATER COOLER SHR SHOWER ID-2 FINISH NOTES AND DETAILS AND, IF APPROPRIATE, A DEDUCTIVE CHANGE ORDER WILL BE ISSUED. EXCHANGERS. AND HUMIDIFIERS. SHALL BE SUPPORTED AND LATERALLY EXG **EXISTING** SHEET REQUIREMENTS FOR ACCESSIBILITY <del>3</del> ID-3 FINISHES FLOOR PLAN, STAFF LOCKERS BRACED INDEPENDENT OF THE DUCT SYSTEM AND SUCH BRACES SHALL MEET ETR SIM EXISTING TO REMAIN SIMII AR ALL PENETRATIONS THROUGH FIRE RESISTIVE PARTITION AND SLAB, INCLUDING **STRUCTURAL** THE FORCE REQUIREMENTS OF SECTION CBC CH. 16A. APPURTENANCES SUCH EXT **EXTERIOR** SHEET METAL SCREW CONDUITS AND PIPING, SHALL BE CONSTRUCTED TO MEET APPROVED U.L. SYSTEM. AS DAMPERS, LOUVERS, AND DIFFUSERS SHALL BE POSITIVELY ATTACHED WITH FLOOR DRAIN SPEC SPECIFICATIONS IN ADDITION TO ALL LOCAL REQUIREMENTS AND THE AMERICANS WITH DISABILITIES **GENERAL NOTES TYPICAL DETAILS** MECHANICAL FASTENERS. UNBRACED PIPING ATTACHED TO IN-LINE EQUIPMENT FIRE EXTINGUISHER CAB SQUARE ACT (ADA), ACCESSIBLE FEATURES SHALL COMPLY WITH THE STATE OF CALIFORNIA ALL PENETRATIONS INTO SOUND RATED PARTITIONS, INSULATED PARTITIONS OR SHALL BE PROVIDED WITH ADEQUATE FLEXIBILITY TO ACCOMMODATE S-2 PARTIAL FIRST FLOOR PLAN FHC 92056 FIRE HOSE CABINET ST STL STAINLESS STEEL ADMINISTRATIVE CODE OF REGULATIONS, BUILDING CODE, TITLE 24, PART 2. DIFFERENTIAL DISPLACEMENTS. CEILING ASSEMBLIES SHALL BE SEALED WITH APPROVED PERMANENT RESILIENT S-3 PARTIAL ROOF FRAMING PLAN FIN STANDARD FINISH STD SEALANT. OR OTHERWISE TREATED TO MAINTAIN INTEGRITY OF THE ACOUSTICAL FIXT **FIXTURE** STOR STORAGE <u>∕3\</u> S-4 PARTIAL FIRST FLOOR PLAN (LOCKER ROOM) DURING ALL HOURS THE BUILDING IS OPEN TO THE PUBLIC, ALL PRIMARY ENTRANCES PIPING SYSTEMS SHALL SATISFY THE REQUIREMENTS OF THIS SECTION EXCEPT FLR **FLOOR** STEEL TO THE BUILDING, THE PRIMARY PATH OF TRAVEL FROM THE ENTRANCES TO ALL **DETAILS** SD1 THAT ELEVATOR SYSTEM PIPING SHALL SATISFY THE REQUIREMENTS OF FEET STRUCT STRUCTURE PORTIONS OF THE BUILDING INCLUDING SANITARY FACILITIES, DRINKING FOUNTAINS CONTRACTOR TO PREVENT GALVANIC ACTION AND OTHER FORMS OF CORROSION SD2 SECTION CBC 1616A.1.26. DETAILS OWNER: FURF FURRING SUSP SUSPENDED AND PUBLIC TELEPHONES SERVING THE BUILDING MUST BE ACCESSIBLE TO THE BY INSULATING METALS AND OTHER MATERIALS FROM DIRECT CONTACT WITH SD3 DETAILS FIELD VERIFY TELE **TELEPHONE** INCOMPATIBLE MATERIALS. EXCEPT FOR PIPING DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH NFPA SD4 DETAILS MECHANICAL GAUGE TEMP **TEMPORARY** 13, SEISMIC SUPPORTS SHALL NOT BE REQUIRED FOR OTHER PIPING SYSTEMS THK GALV GALVANIZED THICK ALL BUILDING ENTRANCES SHALL BE IDENTIFIED WITH AT LEAST ONE STANDARD SIGN THE CONTRACTOR SHALL PERFORM ALL CUTTING, PATCHING, AND FINISHING WHERE ONE OF THE FOLLOWING CONDITIONS IS MET: M001 GENERAL NOTES, LEGEND AND SHEET INEX TYP GRAB BAR TYPICAL AND WITH ADDITIONAL DIRECTIONAL SIGNS, AS REQUIRED, TO BE VISIBLE TO PERSONS NECESSARY TO RESTORE THE ORIGINAL CONDITION OF THE BUILDING TO ALL UNLESS OTHERWISE NOTED M002 SCHEDULES **GLASS** UON ALONG APPROACHING PEDESTRIAN WAYS. EXISTING PORTIONS OF THE BUILDING AFFECTED BY HIS WORK, TO THE ARCHITECT:~ VCT GYP PIPING IS SUPPORTED BY ROD HANGERS: HANGERS IN THE PIPE RUN **GYPSUM** VINYL COMPOSITE TILE MD201 OVERALL DEMOLITIÓN PLAN SATISFACTION OF THE OWNER'S REPRESENTATIVE. HDR HEADER **VERT** VERTICAL ARE 12 IN. (305 MM) OR LESS IN LENGTH FROM THE TOP OF THE PIPE HAND-ACTIVATED DOOR OPENING HARDWARE SHALL BE CENTERED BETWEEN 34 M201 RENOVATION PLAN TO THE SUPPORTING STRUCTURE; HANGERS ARE DETAILED TO AVOID HDWD HARDWOOD VEST VESTIBULE INCHES AND 44 INCHES ABOVE THE FLOOR. LATCHING AND LOCKING DOORS THAT ARE WHEN INSTALLING DRILLED-IN ANCHORS AND OR POWDER DRIVEN PINS IN EXISTING M202 RENOVATION ROOF PLAN HARDWARE BENDING OF THE HANGERS AND THEIR ATTACHMENTS; AND HAND-ACTIVATED AND WHICH ARE IN A PATH OF TRAVEL SHALL BE OPERABLE WITH A **HDWR** NON-PRESTRESSED REINFORCED CONCRETE, USE CARE AND CAUTION TO AVOID MD203 DEMOLITION PLAN PROVISIONS ARE MADE FOR PIPING TO ACCOMMODATE EXPECTED HGT HEIGHT WD WOOD SINGI E EFFORT BY LEVER-TYPE HARDWARE, PANIC BARS, PUSH-PULL ACTIVATING CUTTING OR DAMAGING THE EXISTING REINFORCING STEEL. MAINTAIN A MINIMUM ∑ M203 DEFLECTIONS RENOVATION PLAN W/O WITHOUT BARS OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING CLEARANCE OF ONE INCH BETWEEN THE REINFORCEMENT STEEL AND THE DRILLED-THE ABILITY TO GRASP THE OPENING HARDWARE. LOCKED EXIT DOORS SHALL M501 DIAGRAMS/ CONTROLS IN ANCHOR AND OR PIN. HIGH-DEFORMABILITY PIPING IS USED; PROVISIONS ARE MADE TO OPERATE AS ABOVE IN EGRESS DIRECTION. (CBC SECTION 11B-404.2.7) M601 DETAILS AVOID IMPACT WITH LARGER PIPING OR MECHANICAL COMPONENTS INTERIM LIFE SAFETY MEASURES THE CONTRACTOR SHALL COORDINATE ALL PHASING, ACCESS, DEBRIS, STAGING M602 DETAILS OR TO PROTECT THE PIPING IN THE EVENT OF SUCH IMPACT; AND THE MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED 5 POUNDS FOR EXTERIOR AREAS, AND HOURS OF CONSTRUCTION WITH OWNERS PRIOR TO START OF FOLLOWING SIZE REQUIREMENTS ARE SATISFIED: DOORS AND 5 POUNDS FOR INTERIOR DOORS, SUCH PULL OR PUSH EFFORT BEING APPLIED AT RIGHT ANGLES TO HINGED DOORS AND AT THE CENTER PLANE OF SLIDING P001 GENERAL NOTES, LEGEND AND SHEET INDEX ALL EXIT DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT USE OF A KEY OR OR FOLDING DOORS. COMPENSATING DEVICES OR AUTOMATIC DOOR OPERATORS MAY FOR SEISMIC DESIGN CATEGORIES D, E, OR F WHERE ID IS CONTRACTOR TO PROVIDE REQUIRED DUST AND INFECTION CONTROL PROTECTION P002 SCHEDULES ANY SPECIAL KNOWLEDGE OR EFFORT. BE UTILIZED TO MEET THE ABOVE STANDARDS. WHEN FIRE DOORS ARE REQUIRED, THE SYSTEM. MEANS AND METHODS TO BE COORDINATED WITH OWNER. GREATER THAN 1.0, THE NOMINAL PIPE SIZE SHALL BE 1 IN. (25 MM) P201 RENOVATION PLAN PANIC HARDWARE AT EXITS SHALL BE PROVIDED AS REQUIRED BY THE CODE. MAXIMUM EFFORT TO OPERATE THE DOOR MAY BE INCREASED TO THE MINIMUM P202 RENOVATION PLAN ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY, NOT TO EXCEED 15 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SECURITY OF THE AREA OF THE PRIOR TO THE START OF WORK CONSULT WITH FIELD FIRE MARSHAL ON AN P601 POUNDS. (CBC SECTION 11B-404.2.9) DETAILS FOR SEISMIC DESIGN CATEGORIES D,E, OR F WHERE IP IS EQUAL PROJECT WORK AND SHALL ALSO BE RESPONSIBLE FOR THE DISCIPLINE OF ALL ACCEPTABLE EXITING ARRANGEMENT. A FIRE WATCH MAY BE REQUIRED AT THE PD201 DEMOLITION PLAN TO 1.0, THE NOMINAL PIPE SIZE SHALL BE 3 IN. (76 MM) OR LESS. CONSTRUCTION WORKERS ON THE PROJECT. DISCRETION OF THE FIRE MARSHAL THE BOTTOM 10 INCHES OF ALL DOORS EXCEPT AUTOMATIC AND SLIDING SHALL HAVE A PD202 DEMOLITION PLAN INTERIM LIFE SAFETY MEASURES ARE REQUIRED TO TEMPORARILY COMPENSATE FOR SMOOTH, UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHERE LATERAL RESTRAINTS ARE OMITTED. THE PIPING, DUCTS OR CONDUIT THE GENERAL CONTRACTOR SHALL COORDINATE WITH STRUCTURAL, MEP, FIRE THE DEFICIENCIES IN NORMAL LIFE SAFETY REQUIREMENTS DUE TO THE ACTIVITIES. WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION. **ELECTRICAL** SHALL BE INSTALLED SUCH THAT LATERAL MOTION OF THE PIPING OR DUCT WILL ALARM, FIRE PROTECTION, NURSE CALL, INTERIORS AND EQUIPMENT DRAWINGS REFER TO CAN 9-3301 IN INTERIM LIFE SAFETY MEASURES. NOT CAUSE DAMAGING IMPACT WITH OTHER SYSTEMS OR STRUCTURAL WHERE NARROW FRAME DOORS ARE USED, A 10-INCH HIGH SMOOTH PANEL SHALL BE PRIOR TO STARTING CONSTRUCTION. THE PROJECT MANUAL AND ALL DRAWINGS IN INSTALLED ON THE PUSH SIDE OF THE DOOR, WHICH WILL ALLOW THE DOOR TO BE E001 GENERAL NOTES, LEGEND AND ABBREVIATIONS MEMBERS, OR LOSS OF VERTICAL SUPPORT. THE CONSTRUCTION DRAWINGS SHALL BE PART OF THE CONSTRUCTION ENSURE THAT THE EXITS PROVIDE FREE AND UNOBSTRUCTED EGRESS. PERSONNEL OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS E002 SINGLE LINE DIAGRAMS SHALL RECEIVE TRAINING IF ALTERNATE EXITS MUST BE DESIGNATED. AREAS UNDER ALL TRAPEZE ASSEMBLIES SUPPORTING PIPES, DUCTS AND CONDUIT SHALL BE E003 LUMINAIRE AND FIRE STOP DETAILS CONSTRUCTION MUST MAINTAIN ESCAPE FACILITIES FOR CONSTRUCTION WORKERS BRACED TO RESIST THE FORCES OF CHAPTER 16A/ASCE 7, CONSIDERING THE THE GENERAL CONTRACTOR SHALL SEPARATE DISSIMILAR METALS WITH BUILDING E004 PANEL SCHEDULES TIMES. MEANS OF EGRESS MUST BE INSPECTED DAILY. FOR HINGED DOORS, THE OPENING WIDTH SHALL BE MEASURED WITH THE DOOR TOTAL WEIGHT OF THE ELEMENTS ON THE TRAPEZE. PAPER OR PLASTIC SHIM. E100 PARTIAL FIRST FLOOR PLAN POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION. AT LEAST ONE ENSURE THAT FIRE ALARM, DETECTION & SUPPRESSION SYSTEMS ARE NOT PIPES, DUCTS AND CONDUIT SUPPORTED BY A TRAPEZE WHERE NONE OF THOSE OF A PAIR OF DOORS SHALL MEET THIS OPENING WIDTH REQUIREMENT. (CBC SECTION E200 DEMOLITION PLAN THE GENERAL CONTRACTOR SHALL X-RAY AND/OR ULTRASOUND THE EXISTING 11B-404.2.2 & 11B-404.2.3) E201 ELEMENTS WOULD INDIVIDUALLY BE BRACED NEED NOT BE BRACED IF RENOVATION LIGHTING PLAN CONCRETE FLOORS AND STRUCTURAL SLAB ABOVE ANY POSSIBLE EMBEDDED CONNECTIONS TO THE PIPE/CONDUIT/DUCTWORK OR DIRECTIONAL CHANGES DO CONDUITS, STRUCTURAL REBAR UNFORESEEN CONDITION THAT IS OUTSIDE THE E202 RENOVATION POWER PLAN ENSURE THAT TEMPORARY CONSTRUCTION PARTITIONS ARE SMOKE TIGHT AND MANUALLY OPERATED EDGE OR SURFACE MOUNTED FLUSH BOLTS ARE NOT ALLOWED. NOT RESTRICT THE MOVEMENT OF THE TRAPEZE. IF THIS FLEXIBILITY IS NOT SCOPE OF WORK AND MIGHT IMPEDE THE ANCHORING OF EQUIPMENT OR CONFLICT RENOVATION ROOF PLAN DEMOLITION AND RENOVATION PLANS - LOCKER ROOM DETAILS E203 CONSTRUCTED OF NON-COMBUSTIBLE MATERIALS. WHEN EXIT DOORS ARE USED IN PAIRS AND APPROVED FLUSH BOLTS ARE USED, THE PROVIDED, BRACING WILL BE REQUIRED WHEN THE AGGREGATE WEIGHT OF THE WITH TRENCHING PRIOR TO CONSTRUCTION. <u>′3</u>\ E204 DOOR LEAF HAVING THE AUTOMATIC FLUSH BOLTS SHALL HAVE NO DOOR KNOB OR PIPES AND CONDUIT EXCEEDS 10 POUNDS/ FEET (146 N/m). THE WEIGHT SHALL BE PROVIDE ADDITIONAL FIRE FIGHTING EQUIPMENT AND TRAIN PERSONNEL IN ITS USE E601 SURFACE-MOUNTED HARDWARE. THE UNLATCHING OF ANY LEAF SHALL NOT REQUIRE DETERMINED ASSUMING ALL PIPES AND CONDUIT ARE FILLED WITH WATER. CONTRACTOR STAGING TO BE IN THE ROOMS UNDER REMODEL SYMBOL LEGEND: **EQUIPMENT SUPPORTS AND ATTACHMENTS** CONTRACTOR PARKING TO BE IN CONTRACTOR DESIGNATED PARKING AREA. THERE SHALL BE A LEVEL AND CLEAR FLOOR OR LANDING ON EACH SIDE OF A DOOR FA001 GENERAL NOTES, LEGEND AND ABBREVIATIONS THE LEVEL AREA SHALL HAVE A LENGTH IN THE DIRECTION OF DOOR SWING OF A SUPPORTS AND ATTACHMENTS OF ALL EQUIPMENT TO BE INSTALLED AS PART OF FA200 DEMOLITION PLAN THE CONTRACTOR SHALL ENSURE THAT THE AREA UNDER REMODEL IS LOCKED AND A0-00THIS PROJECT SHALL BE DETAILED ON CONSTRUCTION DOCUMENTS, EXCEPT LEAST 60 INCHES AND THE LENGTH OPPOSITE THE DIRECTION OF THE DOOR SWING OF OTHERWISE SECURED AFTER HOURS. RENOVATION POWER PLAN FA201 **SHEET NUMBER** 48 INCHES AS MEASURED AT RIGHT ANGLES TO THE PLANE OF THE DOOR IN ITS THOSE EXEMPT BY THE CBC SECTION 1616A.1.18 $\sqrt{3}$ FA202 RENOVATION FIRE ALARM PLAN - LOCKER ROOM THE GENERAL CONTRACTOR IS RESPONSIBLE TO CUT & PATCH TO MATCH ALL EQUIPMENT SUPPORTS AND ATTACHMENTS SHALL BE APPROVED BY THE EXISTING PARTITIONS WHERE NEW FIRE ALARM AND ELECTRICAL DEVICES ARE TECHNOLOGY APPROPRIATE DESIGN PROFESSIONAL OF RECORD (RDP) AND OSHPD AS PART OF THE WIDTH OF THE LEVEL AREA ON THE SIDE TO WHICH THE DOOR SWINGS SHALL REQUIRED AS SPECIFIED IN THE FIRE ALARM DRAWINGS. FIELD REVIEWS/OBSERVATIONS. THE INSPECTOR OR RECORD (IOR) SHALL EXTEND 24 INCHES PAST THE STRIKE EDGE OF THE DOOR FOR EXTERIOR DOORS AND T001 GENERAL NOTES, LEGEND AND, ABBREVIATIONS 18 INCHES PAST THE STRIKE EDGE FOR INTERIOR DOORS. THE WIDTH OF THE AREA ON PARTIAL SITE PLAN ASSURE THAT THE ABOVE REQUIREMENTS ARE ENFORCED. CONTRACTOR TO INCLUDE AN ALLOWANCE TO FURNISH AND APPLY CRETESFAL T100 THE SIDE OPPOSITE THE SWING SHALL EXTEND 12 INCHES PAST THE STRIKE EDGE OF REV: DESCRIPTION 2000 CONCRETE SEALER OR APPROVED EQUAL ON SLAB ON GRADE. T202 NURSE CALL PLAN THE DOOR WHEN THE DOOR IS EQUIPPED WITH BOTH A CLOSER AND A LATCHSET. REFERENCE: 2016 CBC SECTIONS 107 AND 1616A. T501 NURSE CALL DIAGRAMS ABRUPT CHANGES IN LEVEL ALONG ANY ACCESSIBLE ROUTE SHALL NOT EXCEED 1/2 NURSE CALL DETAILS INCH. WHEN CHANGES IN LEVEL DO OCCUR, THEY SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2 EXCEPT THAT LEVEL CHANGES NOT EXCEEDING 1/4 INCH MAY BE PROJECT INFORMATION: OSHPD INTENT STATEMENT VERTICAL. WHEN CHANGES IN LEVELS GREATER THAN 1/2 INCH ARE NECESSARY THEY SEISMICALLY RESTRAIN ALL SUSPENDED UTILITY SYSTEMS IN CONFORMANCE **ELEVATION** SHALL COMPLY WITH THE REQUIREMENTS WITH REQUIREMENTS OF THE 2016 CALIFORNIA BUILDING CODE, CHAPTER 16A/ASCE 7-10. AS THE BASIS FOR THE RESTRAINT REQUIREMENTS, CALCULATE THE INTENT OF THE DRAWINGS AND SPECIFICATIONS IS TO BUILD IN ACCORDANCE SCOPE OF WORK FOR RAMPS. MINIMUM WIDTH SHALL BE 48". AND SUBMIT TOTAL DESIGN LATERAL FORCE(S) SPECIFIC TO THE PROJECT PER WITHTHE 2016 EDITION OF TITLES 24 & 19 OF THE CALIFORNIA CODE OF REGULATIONS. OSHPD REQUIREMENTS OF THE CBC AND ASCE 7-10 SECTION 13.5.6. SHOULD ANY CONDITION OCCUR NOT COVERED BY THE CONTRACT DOCUMENTS **EXISTING EMERGENCY DEPARTMENT** ELEVATION IN PLAN SIDE REACH MOUNTING HEIGHTS: IF THE CLEAR FLOOR SPACE ALLOWS PARALLEL WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH SAID CODES, A CHANGE ORDER REVISE EXITING PATIENT CARE AND REGISTRATION LAYOUTS AND REDO EXISTING APPROACH BY A PERSON IN A WHEELCHAIR, THE MAXIMUM HEIGHT FOR HIGH SIDE TYPICAL PRE-APPROVED SYSTEMS INCLUDED THE FOLLOWING: DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND CEILINGS IN THESE SPACES. REACH SHALL BE 44 INCHES AND THE LOW SIDE REACH SHALL BE 15 INCHES ABOVE APPROVED BY OSHPD PRIOR TO PROCEEDING WITH THE WORK. THE FINISHED FLOOR. OPM-0043-13 MASON INDUSTRIES, INC. SEISMIC RESTRAINT GUIDELINES FOR PATIENT CARE MODIFICATIONS WINDOW/FRAME NUMBER SUSPENDED DISTRIBUTION SYSTEMS. DEMOLITION OF EXISTING ROOMS TO PROVIDE 2 TRIAGE ROOMS AND FOUR FORWARD REACH MOUNTING HEIGHTS: IF THE CLEAR SPACE ONLY ALLOWS FORWARD APPROACH BY A PERSON IN A WHEELCHAIR, THE MAXIMUM HEIGHT FOR HIGH SIDE EXAMINATION ROOMS. REFERENCE: 2016 CAC SECTIONS 7-115, 7-126, AND CBC 2016 SECTION 107. **VICINITY MAP:** REACH SHALL BE 48 INCHES AND THE LOW SIDE REACH SHALL BE 15 INCHES ABOVE **DRAWING KEYNOTE** REGISTRATION MODIFICATIONS: LAYOUT DRAWINGS OF THE SUPPORTS AND BRACING SYSTEMS IN ACCORDANCE DEMOLITION OF EXISTING ROOMS TO PROVIDE 2 OFFICESS AND FOUR//1 WITH THE PRE-APPROVAL SHALL BE SUBMITTED TO THE REGISTERED DESIGN DOORS LEADING TO MEN'S SANITARY FACILITIES SHALL BE IDENTIFIED BY AN **EQUIPMENT NUMBER** REGISTRATION STATIONS. PROFESSIONAL (RDP) IN RESPONSIBLE CHARGE OF THE PROJECT FOR REVIEW TO EQUILATERAL TRIANGLE 1/4" THICK, WITH EDGES 12" LONG AND A VERTEX POINTING VERIFY THAT THE DETAILS ARE IN CONFORMANCE WITH ALL CODE REQUIREMENTS UPWARD. WOMEN'S SANITARY FACILITIES SHALL BE IDENTIFIED BY A CIRCLE 1/4" THICK TOTAL COMBINED AREA: 2,660. FT. THE LAYOUT DRAWINGS SHALL AS A MINIMUM SATISFY THE REQUIREMENTS OF ASCE WALL TYPE SECTION 13.6 AS MODIFIED BY THE CBC 2016 SECTION 1616A. CONSTRUCTION CLASSIFICATION **BUILDING DESCRIPTION:** UNISEX SANITARY FACILITIES SHALL BE IDENTIFIED BY A CIRCLE 1/4" THICK, 12" THE STRUCTURAL ENGINEER OF RECORD (SEOR) SHALL VERIFY THAT THE DIAMETER, WITH A 1/4" THICK TRIANGLE SUPERIMPOSED ON THE CIRCLE AND WITHIN NUMBER OF STORIES: 2 STORIES RISK CATEGORY IV SUPPORTING STRUCTURE IS ADEQUATE FOR THE LOADS IMPOSED ON IT BY THE **TOILET ACCESSORY** SEISMIC DESIGN CATEGORY D SUPPORTS AND BRACES INSTALLED IN ACCORDANCE WITH THE PRE-APPROVAL OCCUPANCY GROUP: I-2 ~----IN ADDITION TO ALL OTHER LOADS. 3HR STRUCTURAL FRAME GEOMETRIC (CIRCLE AND TRIANGLE) SYMBOLS SHALL BE CENTERED ON THE DOOR AT A TYPE OF CONSTRUCTION: I-A PROJECT SIT **DETAIL IN PLAN** HEIGHT OF 60" ABOVE FINISHED FLOOR AND THEIR COLOR AND CONTRAST SHALL BE 2HR FLOOR-CEILING THE SEOR SHALL FORWARD THE ANCHORAGE AND BRACING DRAWINGS FIRE ZONE: 3 DISTINCTLY DIFFERENT FROM THE COLOR AND CONTRAST OF THE DOOR. (INCLUDING APPROVED CHANGE ORDERS FOR SUPPLEMENTARY FRAMING 4002 VISTA WAY 1 1/2 HR ROOF FIRE SPRINKLERS: YES OCEANSIDE, CA 92056 WHERE REQUIRED) TO THE DISCIPLINE IN RESPONSIBLE CHARGE WITH A `~----ADDITIONAL SIGNAGE REQUIREMENTS: RAISED LETTERS SHALL BE PROVIDED AND NOTATION INDICATING THAT THE DRAWINGS HAVE BEEN REVIEWED AND ARE IN SHALL BE ACCOMPANIED BY BRAILLE IN CONFORMANCE WITH SECTION 11B-703. THEY **DETAIL IN SECTION** APPLICABLE CODES AND REGULATIONS GENERAL CONFORMANCE WITH THE PRE-APPROVAL AND THE DESIGN OF THE SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH OUTSIDE OF THE DOOR. ∖ A101 / WHERE THERE IS NO WALL SPACE ON THE LATCH SIDE, INCLUDING DOUBLE LEAF DOORS, SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL AND SIGNS SHALI A "SHOP DRAWING STAMP" MAY BE USED TO INDICATE COMPLIANCE WITH THIS 2016 CALIFORNIA ADMINISTRATIVE CODE (CAC) (PART 1, TITLE 24, CCR) BE MOUNTED 48" MINIMUM ABOVE FINISH FLOOR, MEASURED FROM THE BASELINE OF REQUIREMENT THE LOWEST LINE OF BRAILLE AND 60" MAXIMUM ABOVE THE FINISH FLOOR, MEASURED 2016 CALIFORNIA BUILDING CODE (CBC) (PART 2, TITLE 24, CCR) FROM THE BASELINE OF THE HIGHEST LINE OF RAISED CHARACTERS. CBC 11B-703.4.1 THE REGISTERED DESIGN PROFESSIONAL (OTHER THAN SEOR) MAY PROVIDE BASED ON THE 2012 INTERNATIONAL BUIDING CODE (IBC) SHOP DRAWING STAMP FOR SMALL PROJECTS AT THE DISCRETION OF THE DISTRICT STRUCTURAL ENGINEER. 2016 CALIFORNIA ELECTRIC CODE (CEC) (PART 3, TITLE 24, CCR) BASED ON THE 2011 NATIONAL ELECTRICAL CODE (NEC) PROJECT # **DEFERRED APPROVALS** WALL SECTION THE SEOR SHALL DESIGN ANY SUPPLEMENTARY FRAMING THAT IS NEEDED TO 01593.00 RESIST THE LOADS, MAINTAIN STABILITY AND/OR IS REQUIRED FOR INSTALLATION OF 2016 CALIFORNIA MECHANICAL CODE (CMC) (PART 4, TITLE 24, CCR)

. INTERIOR SIGNAGE.

3. FIRE ALARM.

2. FIRE SPRINKLER SYSTEM

NORTH

THE PRE-APPROVED SYSTEM.

THE SUPPLEMENTARY FRAMING SHALL BE SUBMITTED TO OSHPD AS A CHANGE

**OSHPD APPROVAL:** 

<u> APPLICATION NUMBER: S162093-37-00</u>

100% CONSTRUCTION DOCUMENTS

BASED ON THE 2012 UNIFORM MECHANICAL CODE (UMC)

BASED ON THE 2012 UNIFORM PLUMBING CODE CODE (UPC)

2016 CALIFORNIA PLUMBING CODE (CPC) (PART 5, TITLE 24, CCR)

BASED ON THE 2012 INTERNATIONAL FIRE CODE (IFC)

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## TCMC **EMERGENCY** DEPARTMENT

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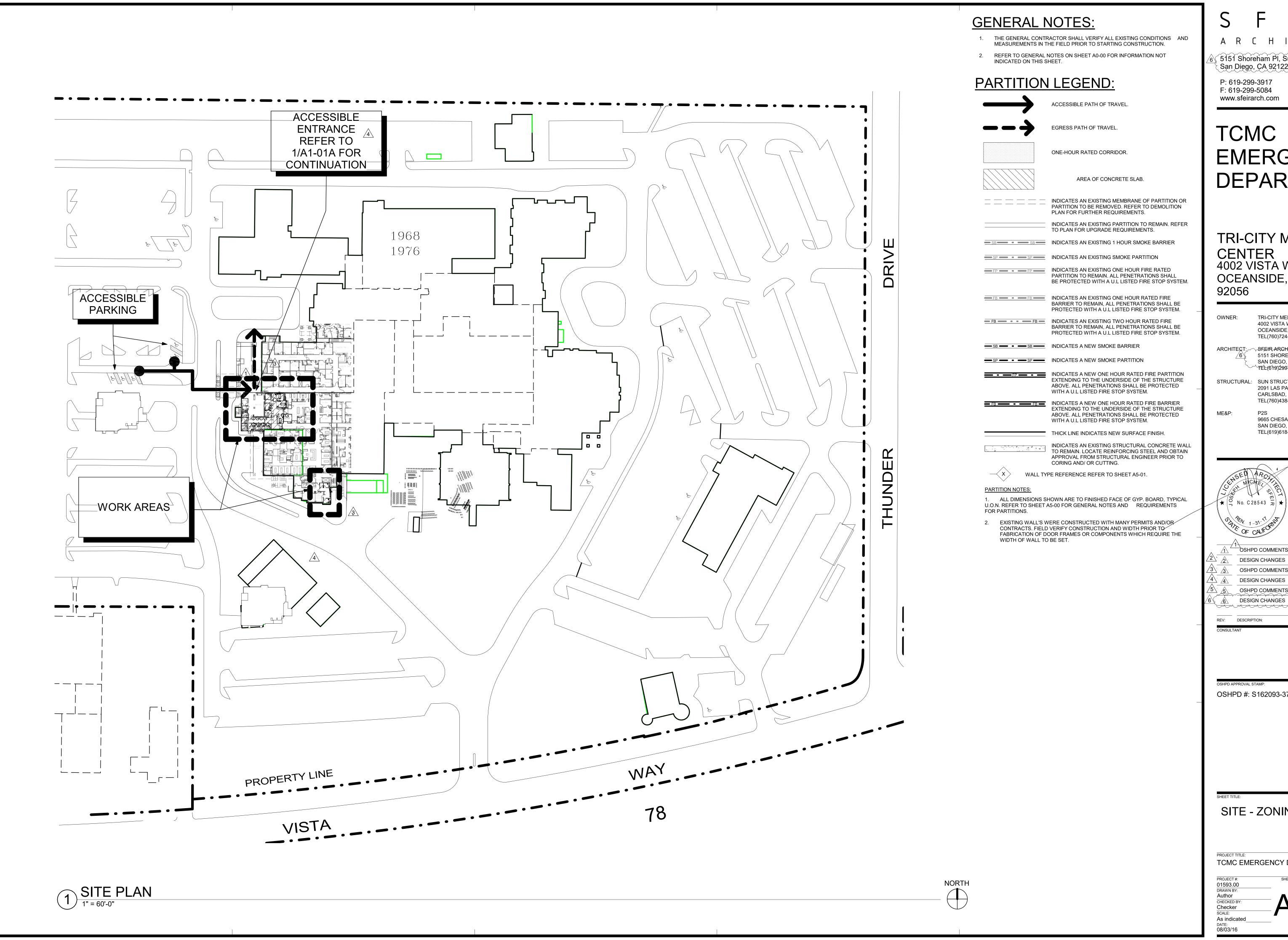
★ O No. C28543 元 🖈 OF CALIY OSHPD COMMENTS 12/01/16 12/01/16 **DESIGN CHANGES** OSHPD COMMENTS 02/15/17 02/15/17 DESIGN CHANGES 08/11/17 OSHPD COMMENTS DESIGN CHANGES 10/30/17 <del>meneral management</del>

OŞHPD #: S162093-37-00

PROJECT INFORMATION

TCMC EMERGENCY DEPARTMENT

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> SE CI ★ | S No. C28543 元 ★ OF CALIF OSHPD COMMENTS 12/01/16 **DESIGN CHANGES** 12/01/16 02/15/17 OSHPD COMMENTS

> > 02/15/17

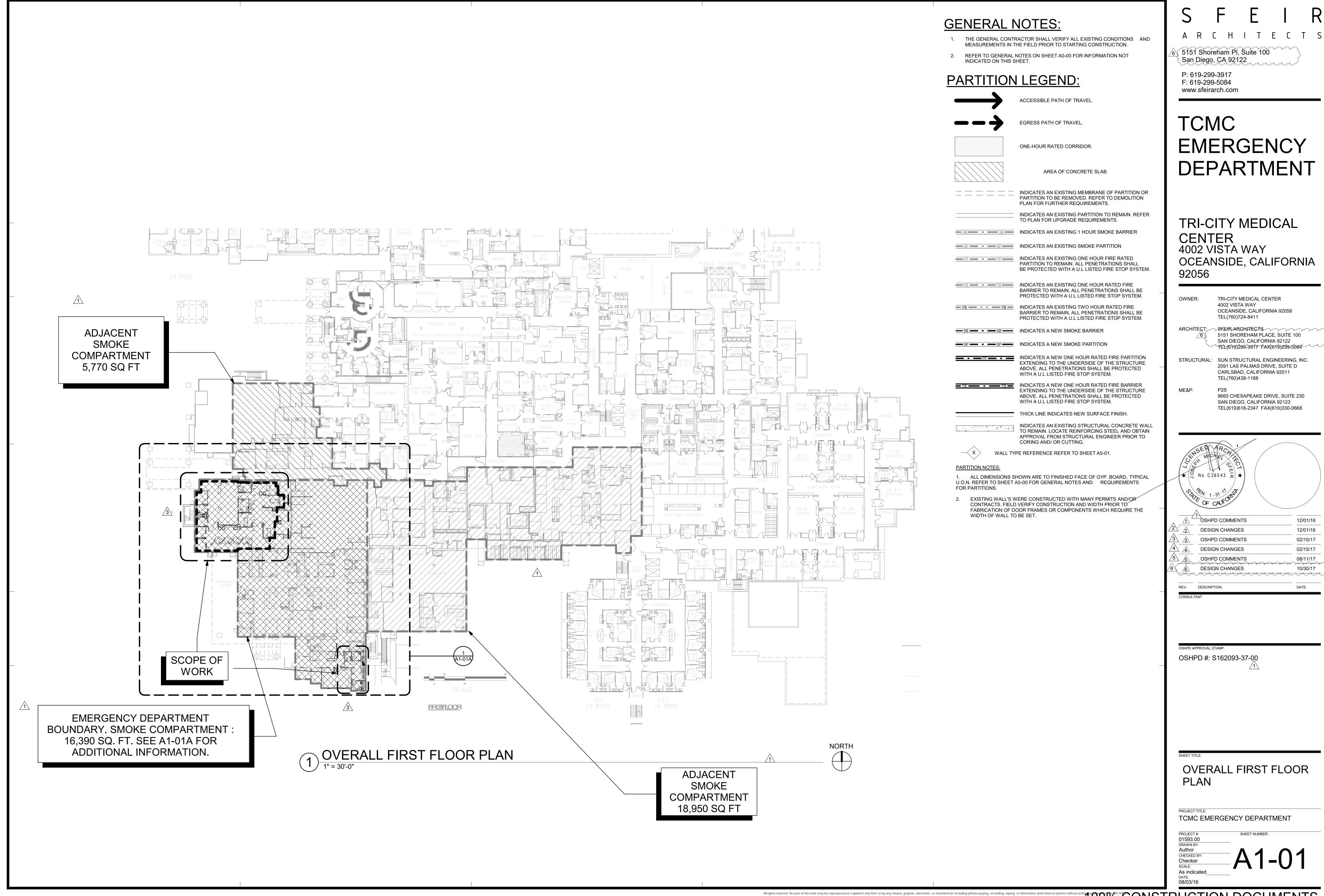
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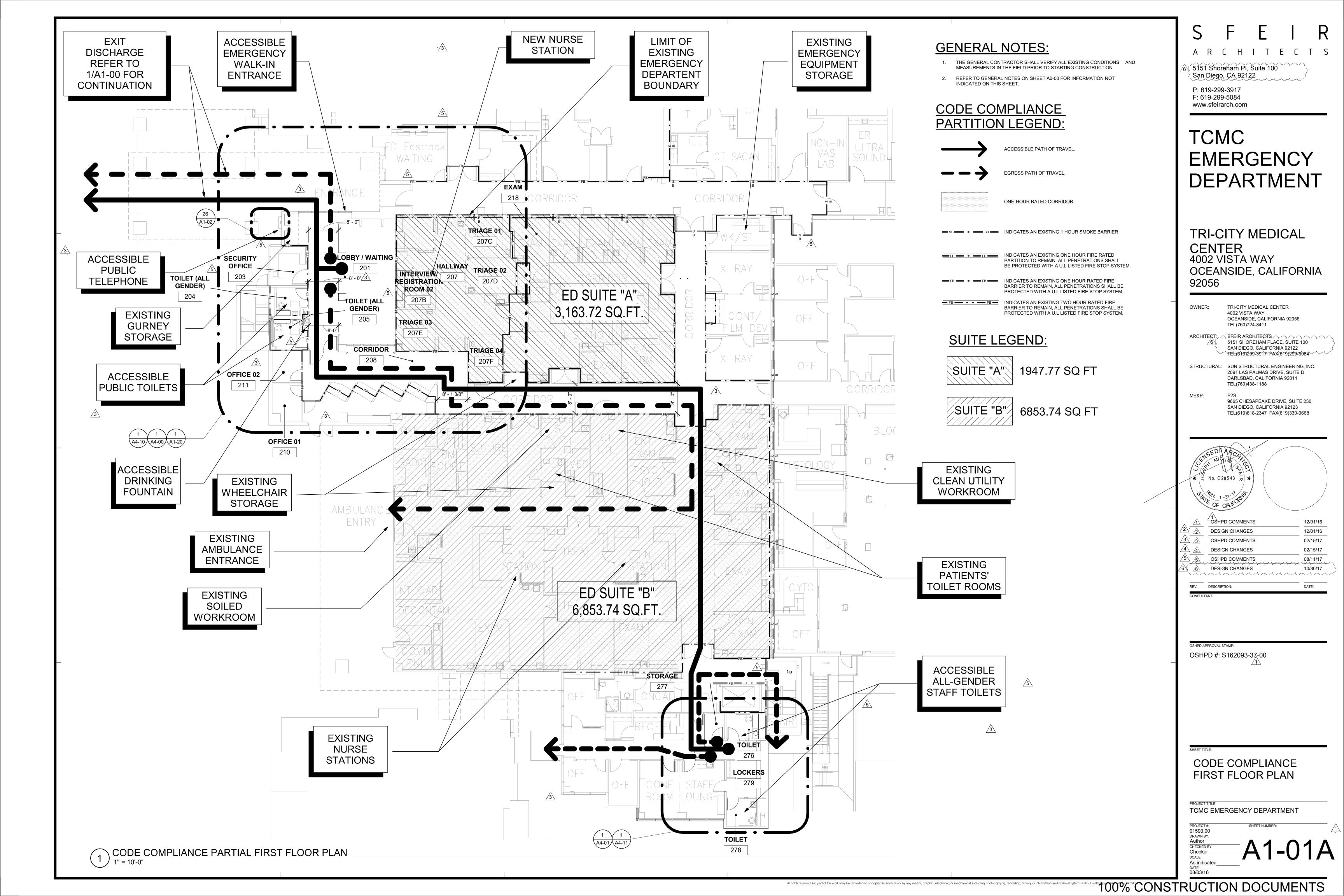
10/30/17

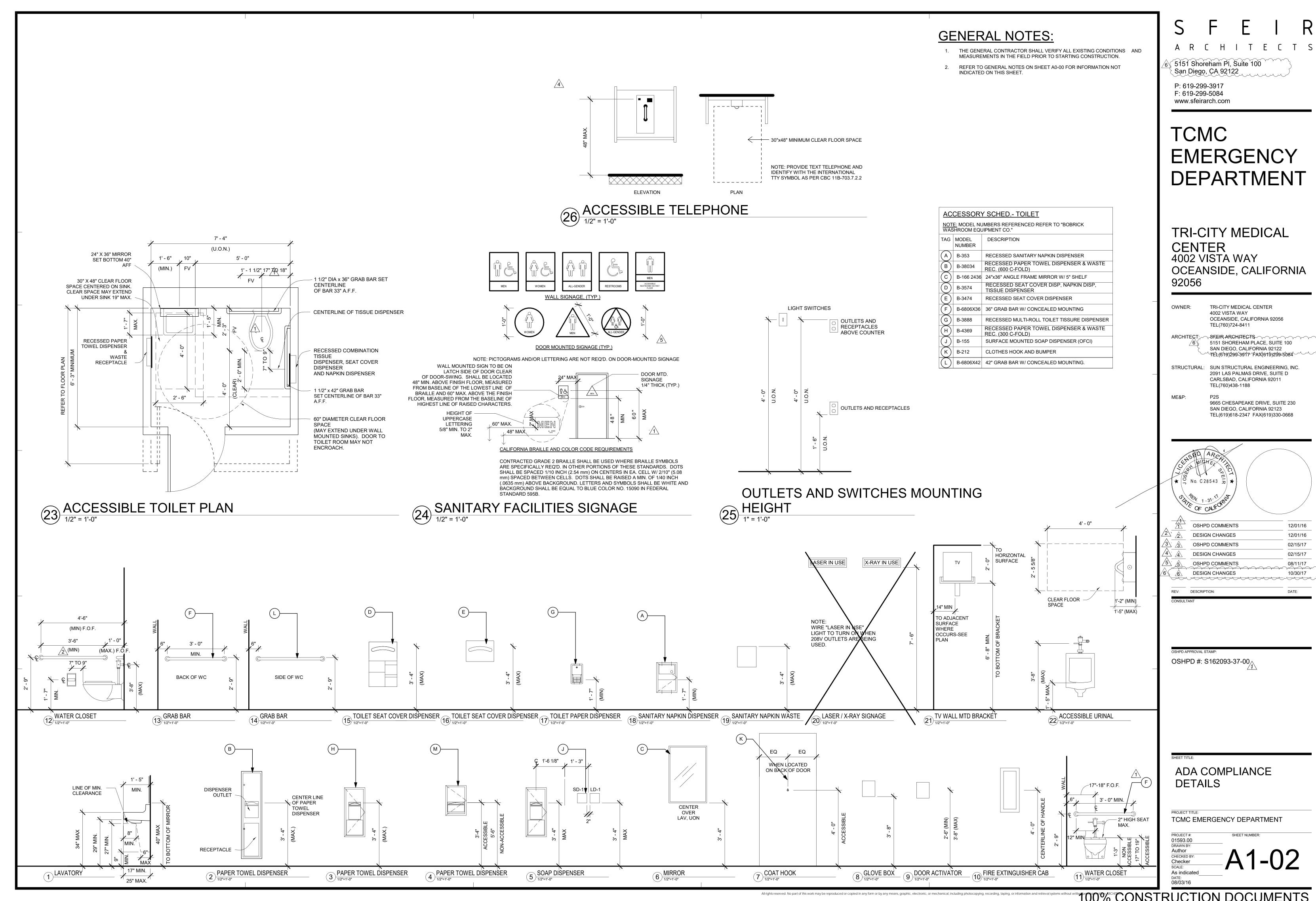
OSHPD #: S162093-37-00

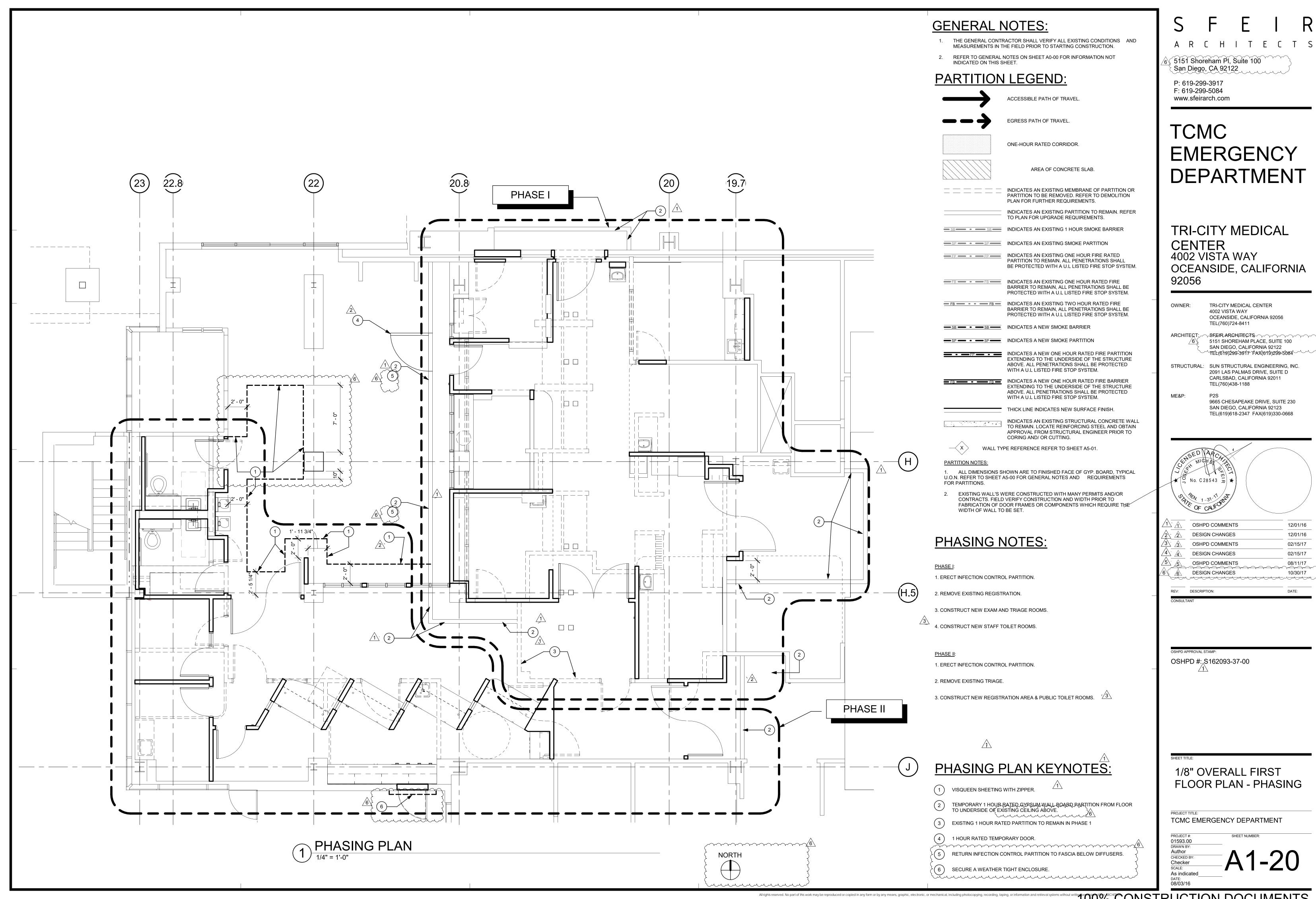
SITE - ZONING - CODE

TCMC EMERGENCY DEPARTMENT

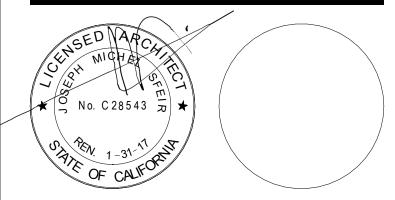




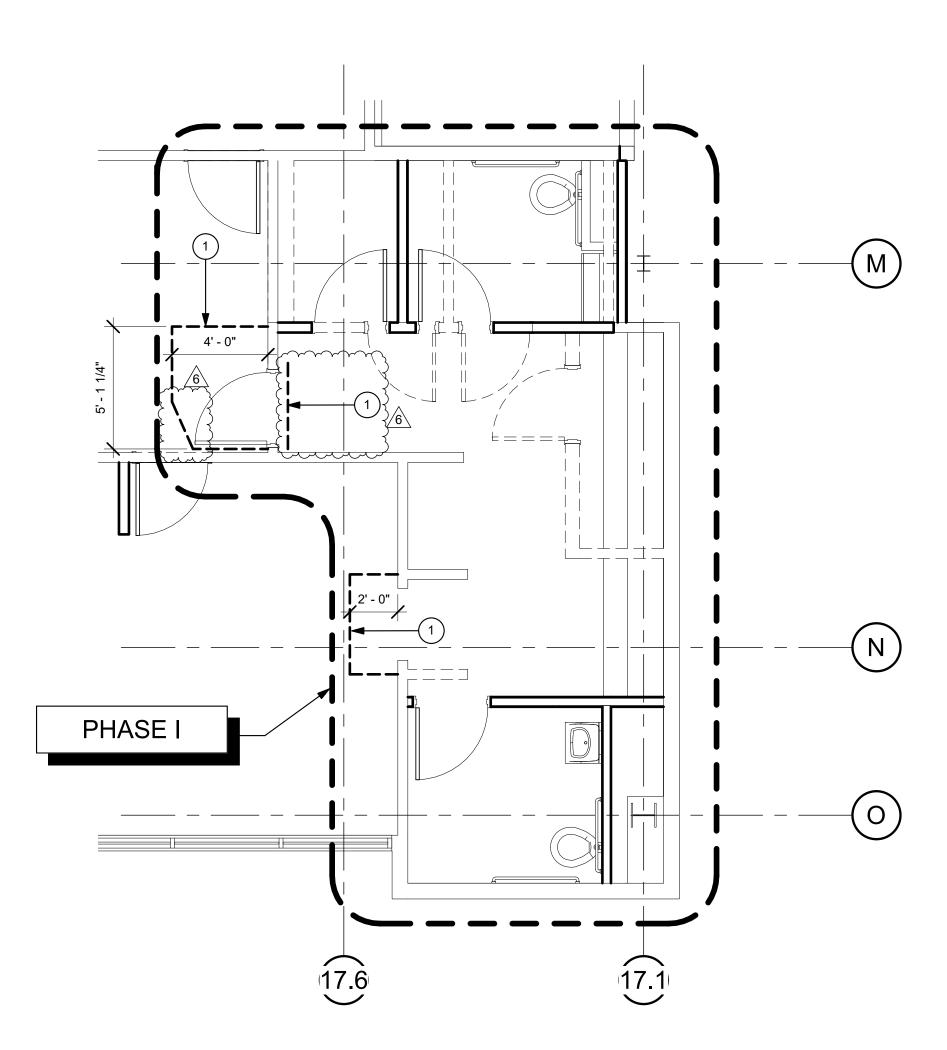




100% CONSTRUCTION DOCUMENTS



12/01/16 12/01/16 02/15/17 02/15/17 08/11/17 10/30/17



1 PHASING PLAN - STAFF TOILETS

## **GENERAL NOTES:**

- 1. THE GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND MEASUREMENTS IN THE FIELD PRIOR TO STARTING CONSTRUCTION.
- 2. REFER TO GENERAL NOTES ON SHEET A0-00 FOR INFORMATION NOT INDICATED ON THIS SHEET.

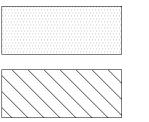
## **PARTITION LEGEND:**



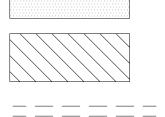
ACCESSIBLE PATH OF TRAVEL.



EGRESS PATH OF TRAVEL.



ONE-HOUR RATED CORRIDOR.



— — — — INDICATES AN EXISTING MEMBRANE OF PARTITION OR PARTITION TO BE REMOVED. REFER TO DEMOLITION

AREA OF CONCRETE SLAB.

PLAN FOR FURTHER REQUIREMENTS. INDICATES AN EXISTING PARTITION TO REMAIN. REFER TO PLAN FOR UPGRADE REQUIREMENTS.

PARTITION TO REMAIN. ALL PENETRATIONS SHALL

SB SB INDICATES AN EXISTING 1 HOUR SMOKE BARRIER

— SP — SP — INDICATES AN EXISTING SMOKE PARTITION INDICATES AN EXISTING ONE HOUR FIRE RATED

BE PROTECTED WITH A U.L LISTED FIRE STOP SYSTEM. ■FB ● ● FB ■ INDICATES AN EXISTING ONE HOUR RATED FIRE BARRIER TO REMAIN, ALL PENETRATIONS SHALL BE PROTECTED WITH A U.L LISTED FIRE STOP SYSTEM.

FB - - FB INDICATES AN EXISTING TWO HOUR RATED FIRE BARRIER TO REMAIN, ALL PENETRATIONS SHALL BE PROTECTED WITH A U.L LISTED FIRE STOP SYSTEM.

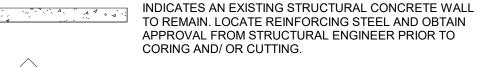
<u>— SP — ● SP — INDICATES A NEW SMOKE PARTITION</u>

— SB — • — SB — INDICATES A NEW SMOKE BARRIER

INDICATES A NEW ONE HOUR RATED FIRE PARTITION EXTENDING TO THE UNDERSIDE OF THE STRUCTURE ABOVE. ALL PENETRATIONS SHALL BE PROTECTED WITH A U.L LISTED FIRE STOP SYSTEM.

FB - FB - INDICATES A NEW ONE HOUR RATED FIRE BARRIER EXTENDING TO THE UNDERSIDE OF THE STRUCTURE ABOVE. ALL PENETRATIONS SHALL BE PROTECTED WITH A U.L LISTED FIRE STOP SYSTEM.

THICK LINE INDICATES NEW SURFACE FINISH.



WALL TYPE REFERENCE REFER TO SHEET A5-01.

## **PARTITION NOTES:**

1. ALL DIMENSIONS SHOWN ARE TO FINISHED FACE OF GYP. BOARD, TYPICAL U.O.N. REFER TO SHEET A5-00 FOR GENERAL NOTES AND REQUIREMENTS

2. EXISTING WALL'S WERE CONSTRUCTED WITH MANY PERMITS AND/OR CONTRACTS. FIELD VERIFY CONSTRUCTION AND WIDTH PRIOR TO FABRICATION OF DOOR FRAMES OR COMPONENTS WHICH REQUIRE THE WIDTH OF WALL TO BE SET.

## PHASING NOTES:

PHASE I:

1. ERECT INFECTION CONTROL PARTITION.

2. REMOVE EXISTING REGISTRATION.

3. CONSTRUCT NEW EXAM AND TRIAGE ROOMS.

4. CONSTRUCT NEW STAFF TOILET ROOMS.

PHASE II:

1. ERECT INFECTION CONTROL PARTITION.

2. REMOVE EXISTING TRIAGE.

3. CONSTRUCT NEW REGISTRATION AREA & PUBLIC TOILET ROOMS.

## PHASING PLAN KEYNOTES:

- (1) VISQUEEN SHEETING WITH ZIPPER.
- TEMPORARY 1 HOUR RATED GYPSUM WALL BOARD PARTITION FROM FLOOR TO UNDERSIDE OF EXISTING CEILING ABOVE.
- (3) EXISTING 1 HOUR RATED PARTITION TO REMAIN IN PHASE 1
- 1 HOUR RATED TEMPORARY DOOR.
- $\overline{\leftarrow}$ (5) RETURN INFECTION CONTROL PARTITION TO FASCIA BELOW DIFFUSERS.

SECURE A WEATHER TIGHT ENCLOSURE.

TCMC

5151 Shoreham PI, Suite 100

San Diego, CA 92122

P: 619-299-3917 F: 619-299-5084

www.sfeirarch.com

# **EMERGENCY** DEPARTMENT

TRI-CITY MEDICAL CENTER 4002 VISTA WAY OCEANSIDE, CALIFORNIA 92056

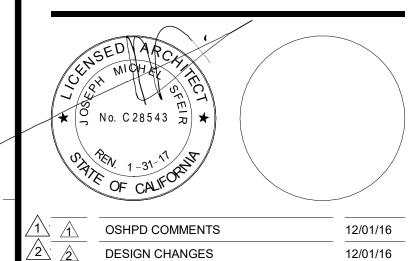
TRI-CITY MEDICAL CENTER OWNER: 4002 VISTA WAY OCEANSIDE, CALIFORNIA 92056 TEL(760)724-8411

ARCHITECT: STEIR ARCHITECTS 5151 SHOREHAM PLACE, SUITE 100 SAN DIEGO, CALIFORNIA 92122 ~7EL(619)299-3917~FAX(619)299-5084~~~

STRUCTURAL: SUN STRUCTURAL ENGINEERING, INC. 2091 LAS PALMAS DRIVE, SUITE D CARLSBAD, CALIFORNIA 92011

9665 CHESAPEAKE DRIVE, SUITE 230 SAN DIEGO, CALIFORNIA 92123 TEL(619)618-2347 FAX(619)330-0668

TEL(760)438-1188



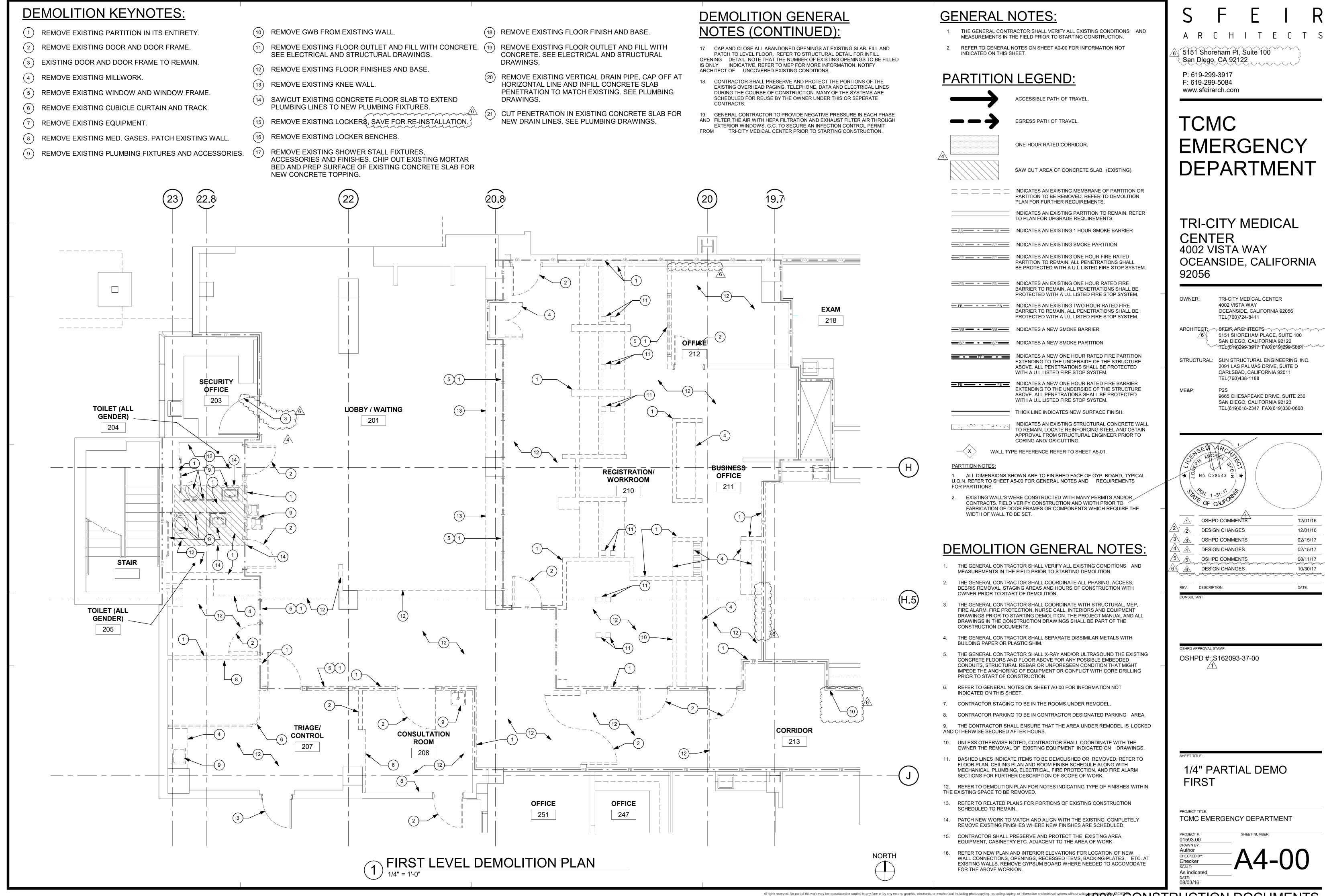
OSHPD COMMENTS 02/15/17 02/15/17 DESIGN CHANGES 08/11/17 OSHPD COMMENTS DESIGN CHANGES REV: DESCRIPTION:

OSHPD #: S162093-37-00

1/8" PARTIAL FIRST FLOOR PLAN - PHASING

TCMC EMERGENCY DEPARTMENT

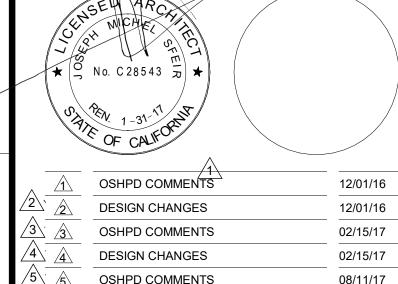
PROJECT #: 01593.00 As indicated



# **EMERGENCY**

OCEANSIDE, CALIFORNIA

5151 SHOREHAM PLACE, SUITE 100 \TEL(619)299-3917\FAX(619)299-5084\\\\



## **DEMOLITION KEYNOTES:**

- REMOVE EXISTING PARTITION IN ITS ENTIRETY.
- REMOVE EXISTING DOOR AND DOOR FRAME.
- EXISTING DOOR AND DOOR FRAME TO REMAIN.
- REMOVE EXISTING MILLWORK.
- REMOVE EXISTING WINDOW AND WINDOW FRAME.
- REMOVE EXISTING CUBICLE CURTAIN AND TRACK.
- REMOVE EXISTING EQUIPMENT.
- REMOVE EXISTING MED. GASES. PATCH EXISTING WALL.
- REMOVE EXISTING PLUMBING FIXTURES AND ACCESSORIES.

- (10) REMOVE GWB FROM EXISTING WALL.
- (11) REMOVE EXISTING FLOOR OUTLET AND FILL WITH CONCRETE. (19) REMOVE EXISTING FLOOR OUTLET AND FILL WITH SEE ELECTRICAL AND STRUCTURAL DRAWINGS.
- REMOVE EXISTING FLOOR FINISHES AND BASE.
- (13) REMOVE EXISTING KNEE WALL
- (14) SAWCUT EXISTING CONCRETE FLOOR SLAB TO EXTEND PLUMBING LINES TO NEW PLUMBING FIXTURES.
- REMOVE EXISTING LOCKER'S. SAVE FOR RE-INSTALLATION.
- (16) REMOVE EXISTING LOCKER BENCHES.
- REMOVE EXISTING SHOWER STALL FIXTURES. ACCESSORIES AND FINISHES. CHIP OUT EXISTING MORTAR BED AND PREP SURFACE OF EXISTING CONCRETE SLAB FOR NEW CONCRETE TOPPING.

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1 FIRST LEVEL DEMO PLAN - LOCKER ROOM

- (18) REMOVE EXISTING FLOOR FINISH AND BASE.
- CONCRETE. SEE ELECTRICAL AND STRUCTURAL DRAWINGS.
- REMOVE EXISTING VERTICAL DRAIN PIPE, CAP OFF AT HORIZONTAL LINE AND INFILL CONCRETE SLAB PENETRATION TO MATCH EXISTING. SEE PLUMBING DRAWINGS.
- CUT PENETRATION IN EXISTING CONCRETE SLAB FOR NEW DRAIN LINES. SEE PLUMBING DRAWINGS.

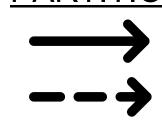
## **DEMOLITION GENERAL** NOTES (CONTINUED):

- 17. CAP AND CLOSE ALL ABANDONED OPENINGS AT EXISTING SLAB. FILL AND PATCH TO LEVEL FLOOR. REFER TO STRUCTURAL DETAIL FOR INFILL OPENING DETAIL. NOTE THAT THE NUMBER OF EXISTING OPENINGS TO BE FILLED IS ONLY INDICATIVE, REFER TO MEP FOR MORE INFORMATION. NOTIFY ARCHITECT OF UNCOVERED EXISTING CONDITIONS.
- CONTRACTOR SHALL PRESERVE AND PROTECT THE PORTIONS OF THE EXISTING OVERHEAD PAGING, TELEPHONE, DATA AND ELECTRICAL LINES DURING THE COURSE OF CONSTRUCTION. MANY OF THE SYSTEMS ARE SCHEDULED FOR REUSE BY THE OWNER UNDER THIS OR SEPERATE
- GENERAL CONTRACTOR TO PROVIDE NEGATIVE PRESSURE IN EACH PHASE AND FILTER THE AIR WITH HEPA FILTRATION AND EXHAUST FILTER AIR THROUGH EXTERIOR WINDOWS. G.C. TO SECURE AN INFECTION CONTROL PERMIT TRI-CITY MEDICAL CENTER PRIOR TO STARTING CONSTRUCTION.

## **GENERAL NOTES:**

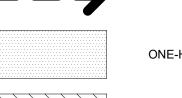
- THE GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND MEASUREMENTS IN THE FIELD PRIOR TO STARTING CONSTRUCTION.
- REFER TO GENERAL NOTES ON SHEET A0-00 FOR INFORMATION NOT INDICATED ON THIS SHEET.

## **PARTITION LEGEND:**

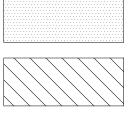


ACCESSIBLE PATH OF TRAVEL.

EGRESS PATH OF TRAVEL



ONE-HOUR RATED CORRIDOR.



SAW CUT AREA OF CONCRETE SLAB. (EXISTING).

INDICATES AN EXISTING MEMBRANE OF PARTITION OR PARTITION TO BE REMOVED. REFER TO DEMOLITION PLAN FOR FURTHER REQUIREMENTS. INDICATES AN EXISTING PARTITION TO REMAIN. REFER TO PLAN FOR UPGRADE REQUIREMENTS.

SB INDICATES AN EXISTING 1 HOUR SMOKE BARRIER

INDICATES AN EXISTING SMOKE PARTITION \_\_\_\_\_ INDICATES AN EXISTING ONE HOUR FIRE RATED

PARTITION TO REMAIN. ALL PENETRATIONS SHALL BE PROTECTED WITH A U.L LISTED FIRE STOP SYSTEM. INDICATES AN EXISTING ONE HOUR RATED FIRE

BARRIER TO REMAIN, ALL PENETRATIONS SHALL BE PROTECTED WITH A U.L LISTED FIRE STOP SYSTEM. FB - FB INDICATES AN EXISTING TWO HOUR RATED FIRE BARRIER TO REMAIN, ALL PENETRATIONS SHALL BE PROTECTED WITH A U.L LISTED FIRE STOP SYSTEM.

<u>──SB</u> • <u>──SB</u> INDICATES A NEW SMOKE BARRIER

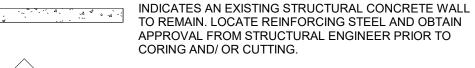
— SP — • — SP — INDICATES A NEW SMOKE PARTITION INDICATES A NEW ONE HOUR RATED FIRE PARTITION

ABOVE. ALL PENETRATIONS SHALL BE PROTECTED WITH A U.L LISTED FIRE STOP SYSTEM. FB FB INDICATES A NEW ONE HOUR RATED FIRE BARRIER EXTENDING TO THE UNDERSIDE OF THE STRUCTURE ABOVE. ALL PENETRATIONS SHALL BE PROTECTED

EXTENDING TO THE UNDERSIDE OF THE STRUCTURE

THICK LINE INDICATES NEW SURFACE FINISH.

WITH A U.L LISTED FIRE STOP SYSTEM.



WALL TYPE REFERENCE REFER TO SHEET A5-01.

## **PARTITION NOTES:**

1. ALL DIMENSIONS SHOWN ARE TO FINISHED FACE OF GYP. BOARD, TYPICAL U.O.N. REFER TO SHEET A5-00 FOR GENERAL NOTES AND REQUIREMENTS FOR PARTITIONS.

2. EXISTING WALL'S WERE CONSTRUCTED WITH MANY PERMITS AND/OR CONTRACTS. FIELD VERIFY CONSTRUCTION AND WIDTH PRIOR TO FABRICATION OF DOOR FRAMES OR COMPONENTS WHICH REQUIRE THE WIDTH OF WALL TO BE SET.

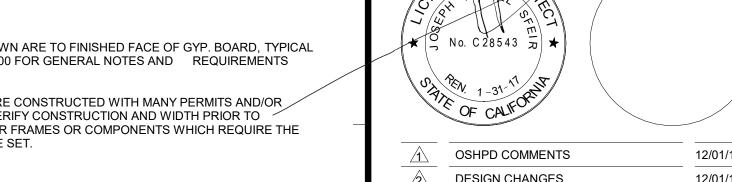
## **DEMOLITION GENERAL NOTES:**

- 1. THE GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND MEASUREMENTS IN THE FIELD PRIOR TO STARTING DEMOLITION.
- THE GENERAL CONTRACTOR SHALL COORDINATE ALL PHASING, ACCESS, DEBRIS REMOVAL, STAGING AREAS AND HOURS OF CONSTRUCTION WITH OWNER PRIOR TO START OF DEMOLITION.
- THE GENERAL CONTRACTOR SHALL COORDINATE WITH STRUCTURAL, MEP. FIRE ALARM, FIRE PROTECTION, NURSE CALL, INTERIORS AND EQUIPMENT DRAWINGS PRIOR TO STARTING DEMOLITION. THE PROJECT MANUAL AND ALL DRAWINGS IN THE CONSTRUCTION DRAWINGS SHALL BE PART OF THE CONSTRUCTION DOCUMENTS.
- THE GENERAL CONTRACTOR SHALL SEPARATE DISSIMILAR METALS WITH BUILDING PAPER OR PLASTIC SHIM.
- THE GENERAL CONTRACTOR SHALL X-RAY AND/OR ULTRASOUND THE EXISTING CONCRETE FLOORS AND FLOOR ABOVE FOR ANY POSSIBLE EMBEDDED CONDUITS. STRUCTURAL REBAR OR UNFORESEEN CONDITION THAT MIGHT IMPEDE THE ANCHORING OF EQUIPMENT OR CONFLICT WITH CORE DRILLING PRIOR TO START OF CONSTRUCTION.
- REFER TO GENERAL NOTES ON SHEET A0-00 FOR INFORMATION NOT INDICATED ON THIS SHEET.
- CONTRACTOR STAGING TO BE IN THE ROOMS UNDER REMODEL.
- 8. CONTRACTOR PARKING TO BE IN CONTRACTOR DESIGNATED PARKING AREA.
- 9. THE CONTRACTOR SHALL ENSURE THAT THE AREA UNDER REMODEL IS LOCKED AND OTHERWISE SECURED AFTER HOURS.
- 10. UNLESS OTHERWISE NOTED, CONTRACTOR SHALL COORDINATE WITH THE OWNER THE REMOVAL OF EXISTING EQUIPMENT INDICATED ON DRAWINGS. 11. DASHED LINES INDICATE ITEMS TO BE DEMOLISHED OR REMOVED. REFER TO

FLOOR PLAN, CEILING PLAN AND ROOM FINISH SCHEDULE ALONG WITH MECHANICAL, PLUMBING, ELECTRICAL, FIRE PROTECTION, AND FIRE ALARM

SECTIONS FOR FURTHER DESCRIPTION OF SCOPE OF WORK. 12. REFER TO DEMOLITION PLAN FOR NOTES INDICATING TYPE OF FINISHES WITHIN THE EXISTING SPACE TO BE REMOVED.

- 13. REFER TO RELATED PLANS FOR PORTIONS OF EXISTING CONSTRUCTION SCHEDULED TO REMAIN.
- 14. PATCH NEW WORK TO MATCH AND ALIGN WITH THE EXISTING. COMPLETELY REMOVE EXISTING FINISHES WHERE NEW FINISHES ARE SCHEDULED.
- 15. CONTRACTOR SHALL PRESERVE AND PROTECT THE EXISTING AREA, EQUIPMENT, CABINETRY ETC. ADJACENT TO THE AREA OF WORK
- 16. REFER TO NEW PLAN AND INTERIOR ELEVATIONS FOR LOCATION OF NEW WALL CONNECTIONS, OPENINGS, RECESSED ITEMS, BACKING PLATES, ETC. AT EXISTING WALLS. REMOVE GYPSUM BOARD WHERE NEEDED TO ACCOMODATE FOR THE ABOVE WORKION.



12/01/16 12/01/16 DESIGN CHANGES OSHPD COMMENTS 02/15/17 02/15/17 DESIGN CHANGES OSHPD COMMENTS 08/11/17 DESIGN CHANGES REV: DESCRIPTION:

5151 Shoreham PI, Suite 100

**EMERGENCY** 

DEPARTMENT

TRI-CITY MEDICAL

OCEANSIDE, CALIFORNIA

TRI-CITY MEDICAL CENTER

OCEANSIDE, CALIFORNIA 92056

5151 SHOREHAM PLACE, SUITE 100 SAN DIEGO, CALIFORNIA 92122

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\TEL(619)299-3917-FAX(619)299-5084\\\\

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TCMC

**CENTER** 

92056

OWNER:

ME&P:

4002 VISTA WAY

www.sfeirarch.com

OSHPD #: S162093-37-00

1/4" PARTIAL DEMO

PROJECT #: 01593.00 CHECKED BY Checker

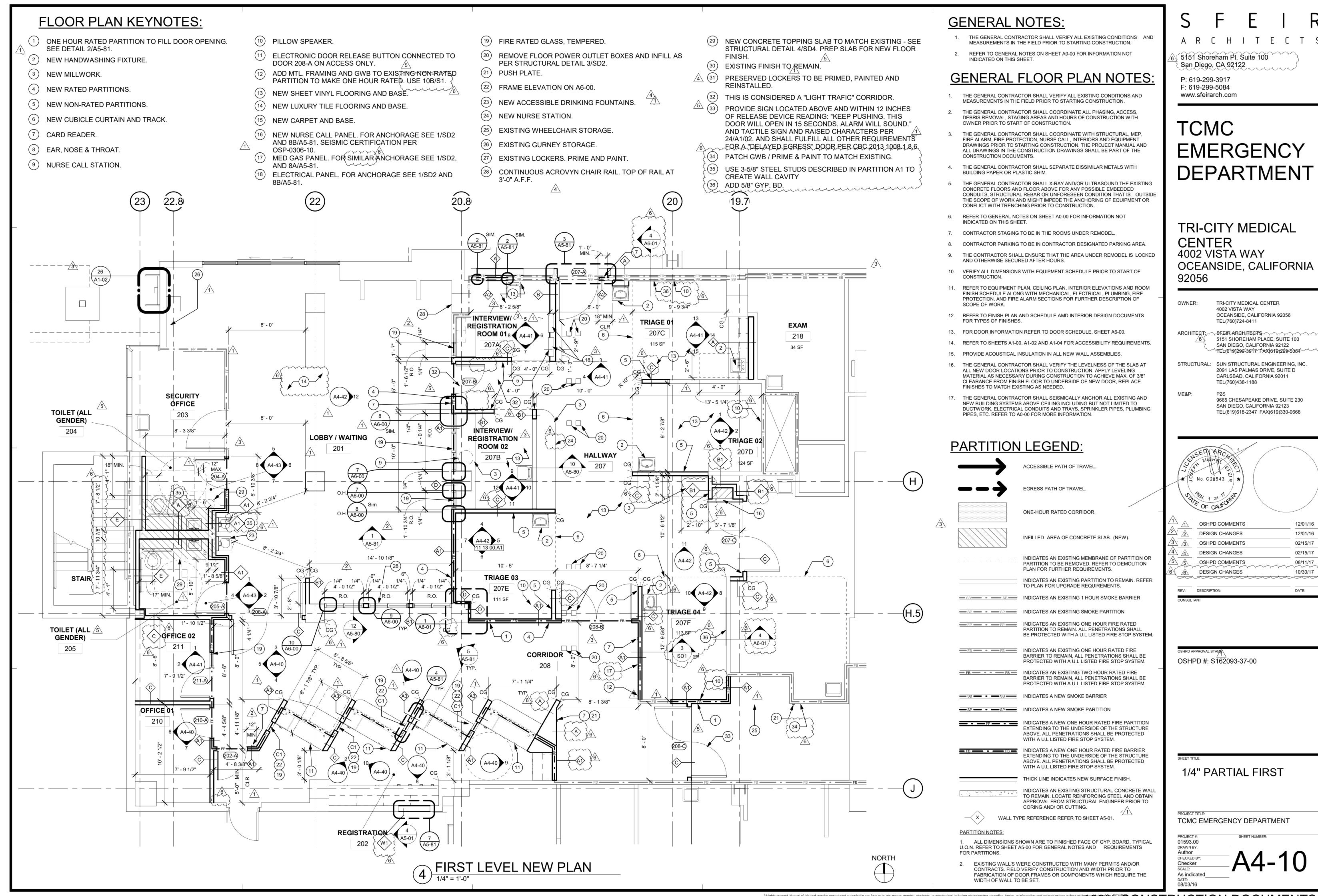
TCMC EMERGENCY DEPARTMENT



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As indicated

**FIRST** 



100% CONSTRUCTION DOCUMENTS

# **EMERGENCY** DEPARTMENT

OCEANSIDE, CALIFORNIA

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12/01/16 12/01/16 02/15/17

## FLOOR PLAN KEYNOTES:

- ONE HOUR RATED PARTITION TO FILL DOOR OPENING. SEE DETAIL 2/A5-81.
- NEW HANDWASHING FIXTURE.
- NEW MILLWORK.
- NEW RATED PARTITIONS.
- NEW NON-RATED PARTITIONS.
- NEW CUBICLE CURTAIN AND TRACK.
- CARD READER.
- EAR, NOSE & THROAT
- 9 NURSE CALL STATION.

- 10 PILLOW SPEAKER.
- (11) ELECTRONIC DOOR RELEASE BUTTON CONNECTED TO
- DOOR 208-A ON ACCESS ONLY. ADD MTL. FRAMING AND GWB TO EXISTING MON-RATED PARTITION TO MAKE ONE HOUR RATED. USE 10B/S1.
- NEW SHEET VINYL FLOORING AND BASE.
- NEW LUXURY TILE FLOORING AND BASE.
- NEW CARPET AND BASE.
- NEW NURSE CALL PANEL. FOR ANCHORAGE SEE 1/SD2 AND 8B/A5-81. SEISMIC CERTIFICATION PER OSP-0306-10.
  - MED GAS PANEL. FOR SIMILAR ÄNCHORAGE SEE 1/SD2,
- ELECTRICAL PANEL. FOR ANCHORAGE SEE 1/SD2 AND

5' - 0"

8' - 9 1/8"

LOCKERS

12" MAX

54" MIN.

8' - 1"

1 FIRST LEVEL NEW PLAN - LOCKER ROOM

**TOILET** 

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- (19) FIRE RATED GLASS, TEMPERED.
- REMOVE FLOOR POWER OUTLET BOXES AND INFILL AS PER STRUCTURAL DETAIL 3/SD2.
- (21) PUSH PLATE.
- (22) FRAME ELEVATION ON A6-00.
- NEW ACCESSIBLE DRINKING FOUNTAINS.
- NEW NURSE STATION.
- EXISTING WHEELCHAIR STORAGE.
- (26) EXISTING GURNEY STORAGE.
- (27) EXISTING LOCKERS. PRIME AND PAINT.
- (28) CONTINUOUS ACROVYN CHAIR RAIL. TOP OF RAIL AT 3'-0" A.F.F.

NEW CONCRETE TOPPING SLAB TO MATCH EXISTING - SEE STRUCTURAL DETAIL 4/SD4. PREP SLAB FOR NEW FLOOR (30) EXISTING FINISH TO REMAIN. PRESERVED LOCKERS TO BE PRIMED, PAINTED AND

THIS IS CONSIDERED A "LIGHT TRAFIC" CORRIDOR.

PROVIDE SIGN LOCATED ABOVE AND WITHIN 12 INCHES OF RELEASE DEVICE READING: "KEEP PUSHING. THIS DOOR WILL OPEN IN 15 SECONDS. ALARM WILL SOUND." AND TACTILE SIGN AND RAISED CHARACTERS PER 24/A1/02. AND SHALL FULFILL ALL OTHER REQUIREMENTS FOR A "DELAYED EGRESS" DOOR PER CBC 2013 1008 1.8.6.

PATCH GWB / PRIME & PAINT TO MATCH EXISTING. USE 3-5/8" STEEL STUDS DESCRIBED IN PARTITION A1 TO

CREATE WALL CAVITY ADD 5/8" GYP. BD. attititi and the state of the s

## **GENERAL NOTES:**

- THE GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND
- REFER TO GENERAL NOTES ON SHEET A0-00 FOR INFORMATION NOT

## **GENERAL FLOOR PLAN NOTES:**

- THE GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND MEASUREMENTS IN THE FIELD PRIOR TO STARTING CONSTRUCTION.
- THE GENERAL CONTRACTOR SHALL COORDINATE ALL PHASING, ACCESS, DEBRIS REMOVAL, STAGING AREAS AND HOURS OF CONSTRUCTION WITH

OWNER PRIOR TO START OF CONSTRUCTION.

- THE GENERAL CONTRACTOR SHALL COORDINATE WITH STRUCTURAL, MEP, FIRE ALARM, FIRE PROTECTION, NURSE CALL, INTERIORS AND EQUIPMENT DRAWINGS PRIOR TO STARTING CONSTRUCTION. THE PROJECT MANUAL AND ALL DRAWINGS IN THE CONSTRUCTION DRAWINGS SHALL BE PART OF THE CONSTRUCTION DOCUMENTS.
- THE GENERAL CONTRACTOR SHALL SEPARATE DISSIMILAR METALS WITH BUILDING PAPER OR PLASTIC SHIM.
- THE GENERAL CONTRACTOR SHALL X-RAY AND/OR ULTRASOUND THE EXISTING CONCRETE FLOORS AND FLOOR ABOVE FOR ANY POSSIBLE EMBEDDED CONDUITS, STRUCTURAL REBAR OR UNFORESEEN CONDITION THAT IS OUTSIDE THE SCOPE OF WORK AND MIGHT IMPEDE THE ANCHORING OF EQUIPMENT OR CONFLICT WITH TRENCHING PRIOR TO CONSTRUCTION.
- REFER TO GENERAL NOTES ON SHEET A0-00 FOR INFORMATION NOT INDICATED ON THIS SHEET.
- CONTRACTOR STAGING TO BE IN THE ROOMS UNDER REMODEL
- CONTRACTOR PARKING TO BE IN CONTRACTOR DESIGNATED PARKING AREA.
- THE CONTRACTOR SHALL ENSURE THAT THE AREA UNDER REMODEL IS LOCKED AND OTHERWISE SECURED AFTER HOURS.
- 10. VERIFY ALL DIMENSIONS WITH EQUIPMENT SCHEDULE PRIOR TO START OF
- REFER TO EQUIPMENT PLAN, CEILING PLAN, INTERIOR ELEVATIONS AND ROOM FINISH SCHEDULE ALONG WITH MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION, AND FIRE ALARM SECTIONS FOR FURTHER DESCRIPTION OF SCOPE OF WORK.
- 12. REFER TO FINISH PLAN AND SCHEDULE AMD INTERIOR DESIGN DOCUMENTS FOR TYPES OF FINISHES.
- FOR DOOR INFORMATION REFER TO DOOR SCHEDULE, SHEET A6-00.
- 14. REFER TO SHEETS A1-00, A1-02 AND A1-04 FOR ACCESSIBILITY REQUIREMENTS.
- 15. PROVIDE ACOUSTICAL INSULATION IN ALL NEW WALL ASSEMBLIES.
- 16. THE GENERAL CONTRACTOR SHALL VERIFY THE LEVELNESS OF THE SLAB AT ALL NEW DOOR LOCATIONS PRIOR TO CONSTRUCTION. APPLY LEVELING MATERIAL AS NECESSARY DURING CONSTRUCTION TO ACHIEVE MAX. OF 3/8" CLEARANCE FROM FINISH FLOOR TO UNDERSIDE OF NEW DOOR, REPLACE FINISHES TO MATCH EXISTING AS NEEDED.
- 17. THE GENERAL CONTRACTOR SHALL SEISMICALLY ANCHOR ALL EXISTING AND NEW BUILDING SYSTEMS ABOVE CEILING INCLUDING BUT NOT LIMITED TO DUCTWORK, ELECTRICAL CONDUITS AND TRAYS, SPRINKLER PIPES, PLUMBING PIPES, ETC. REFER TO A0-00 FOR MORE INFORMATION.

## **PARTITION LEGEND:**



ACCESSIBLE PATH OF TRAVEL.

ONE-HOUR RATED CORRIDOR.

EGRESS PATH OF TRAVEL



INFILLED AREA OF CONCRETE SLAB. (NEW). INDICATES AN EXISTING MEMBRANE OF PARTITION OR PARTITION TO BE REMOVED. REFER TO DEMOLITION PLAN FOR FURTHER REQUIREMENTS.

> INDICATES AN EXISTING PARTITION TO REMAIN. REFER TO PLAN FOR UPGRADE REQUIREMENTS.

> > PARTITION TO REMAIN. ALL PENETRATIONS SHALL

EXTENDING TO THE UNDERSIDE OF THE STRUCTURE

— SP — SP — INDICATES AN EXISTING SMOKE PARTITION FP - FP - INDICATES AN EXISTING ONE HOUR FIRE RATED

— SB — SB — INDICATES AN EXISTING 1 HOUR SMOKE BARRIER

BE PROTECTED WITH A U.L LISTED FIRE STOP SYSTEM. FB - FB INDICATES AN EXISTING ONE HOUR RATED FIRE BARRIER TO REMAIN, ALL PENETRATIONS SHALL BE PROTECTED WITH A U.L LISTED FIRE STOP SYSTEM.

FB - FB - INDICATES AN EXISTING TWO HOUR RATED FIRE BARRIER TO REMAIN, ALL PENETRATIONS SHALL BE PROTECTED WITH A U.L LISTED FIRE STOP SYSTEM.

— SB — • — SB — INDICATES A NEW SMOKE BARRIER — SP — • — SP — INDICATES A NEW SMOKE PARTITION

INDICATES A NEW ONE HOUR RATED FIRE PARTITION EXTENDING TO THE UNDERSIDE OF THE STRUCTURE ABOVE. ALL PENETRATIONS SHALL BE PROTECTED WITH A U.L LISTED FIRE STOP SYSTEM. FB FB INDICATES A NEW ONE HOUR RATED FIRE BARRIER

ABOVE. ALL PENETRATIONS SHALL BE PROTECTED WITH A U.L LISTED FIRE STOP SYSTEM. THICK LINE INDICATES NEW SURFACE FINISH.

INDICATES AN EXISTING STRUCTURAL CONCRETE WALL TO REMAIN. LOCATE REINFORCING STEEL AND OBTAIN APPROVAL FROM STRUCTURAL ENGINEER PRIOR TO CORING AND/ OR CUTTING.

WALL TYPE REFERENCE REFER TO SHEET A5-01.

NORTH

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1. ALL DIMENSIONS SHOWN ARE TO FINISHED FACE OF GYP. BOARD, TYPICAL U.O.N. REFER TO SHEET A5-00 FOR GENERAL NOTES AND REQUIREMENTS FOR PARTITIONS.

2. EXISTING WALL'S WERE CONSTRUCTED WITH MANY PERMITS AND/OR CONTRACTS. FIELD VERIFY CONSTRUCTION AND WIDTH PRIOR TO FABRICATION OF DOOR FRAMES OR COMPONENTS WHICH REQUIRE THE WIDTH OF WALL TO BE SET.

- MEASUREMENTS IN THE FIELD PRIOR TO STARTING CONSTRUCTION.
- INDICATED ON THIS SHEET.

# TCMC **EMERGENCY** DEPARTMENT

5151 Shoreham PI, Suite 100

San Diego, CA 92122

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## TRI-CITY MEDICAL **CENTER** 4002 VISTA WAY OCEANSIDE, CALIFORNIA 92056

TRI-CITY MEDICAL CENTER 4002 VISTA WAY OCEANSIDE, CALIFORNIA 92056

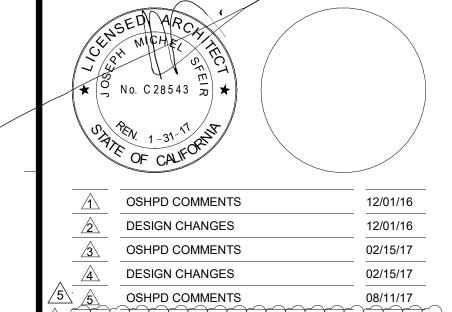
5151 SHOREHAM PLACE, SUITE 100 SAN DIEGO, CALIFORNIA 92122

TEL(760)724-8411

\TEL(619)299-3917-FAX(619)299-5084\\\\ STRUCTURAL: SUN STRUCTURAL ENGINEERING, INC. 2091 LAS PALMAS DRIVE, SUITE D

CARLSBAD, CALIFORNIA 92011 TEL(760)438-1188

> 9665 CHESAPEAKE DRIVE, SUITE 230 SAN DIEGO, CALIFORNIA 92123 TEL(619)618-2347 FAX(619)330-0668



KARAKAKAKAKAKA

OSHPD #: S162093-37-00

REV: DESCRIPTION:

DESIGN CHANGES

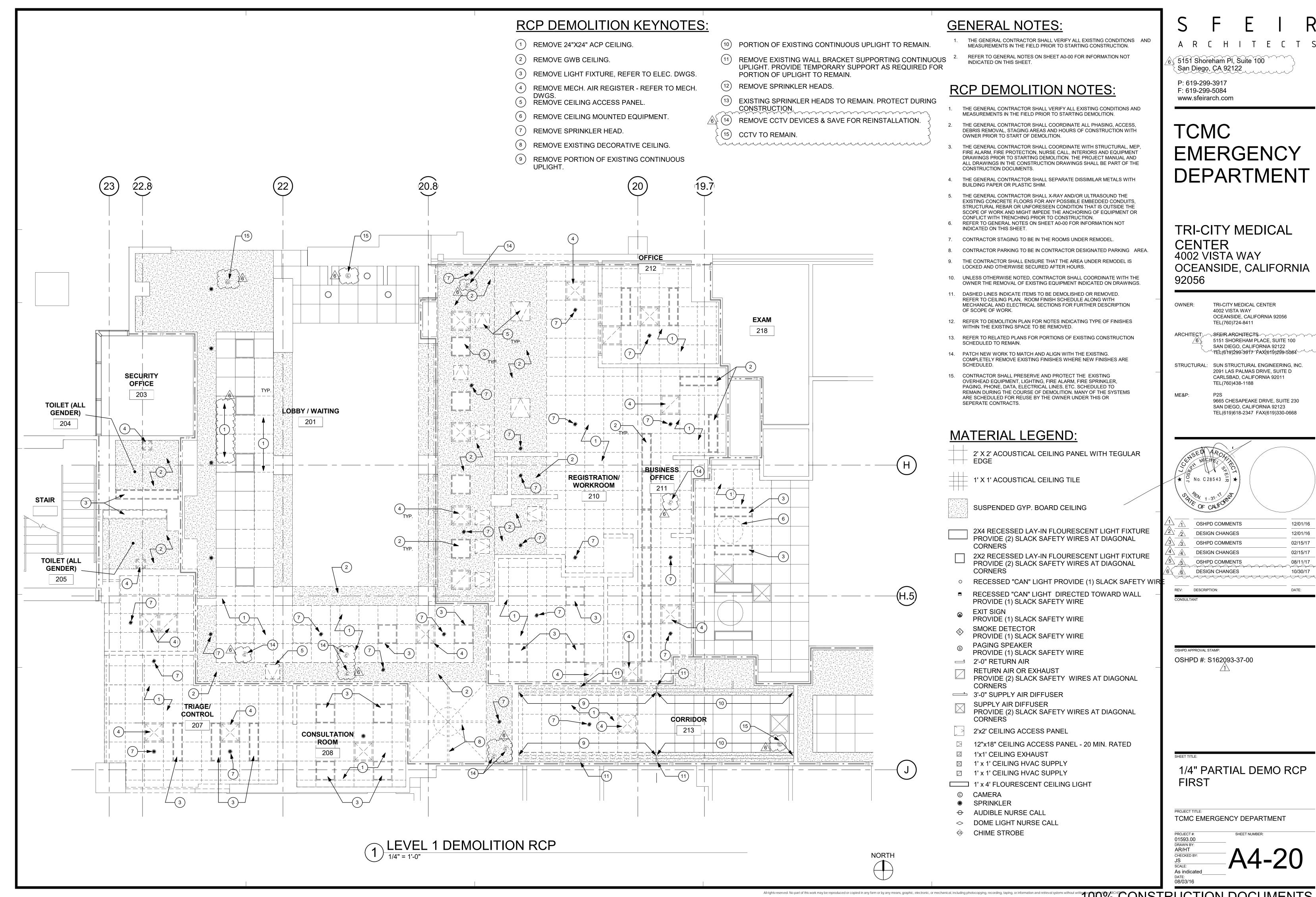
1/4" PARTIAL FIRST

TCMC EMERGENCY DEPARTMENT

PROJECT #: 01593.00 DRAWN BY

100% CONSTRUCTION DOCUMENTS

As indicated



## RCP DEMOLITION KEYNOTES:

- (1) REMOVE 24"X24" ACP CEILING.
- 2 REMOVE GWB CEILING.
- (3) REMOVE LIGHT FIXTURE, REFER TO ELEC. DWGS.
- REMOVE MECH. AIR REGISTER REFER TO MECH.
- (5) REMOVE CEILING ACCESS PANEL
- REMOVE CEILING MOUNTED EQUIPMENT.
- REMOVE SPRINKLER HEAD.
- REMOVE EXISTING DECORATIVE CEILING.
- REMOVE PORTION OF EXISTING CONTINUOUS UPLIGHT.

- (10) PORTION OF EXISTING CONTINUOUS UPLIGHT TO REMAIN.
- REMOVE EXISTING WALL BRACKET SUPPORTING CONTINUOUS UPLIGHT. PROVIDE TEMPORARY SUPPORT AS REQUIRED FOR PORTION OF UPLIGHT TO REMAIN.
- (12) REMOVE SPRINKLER HEADS.
- EXISTING SPRINKLER HEADS TO REMAIN. PROTECT DURING CONSTRUCTION.
- (14) REMOVE CCTV DEVICES & SAVE FOR REINSTALLATION.
- CCTV TO REMAIN.

# L-+--+--+ 17.**è** 17.1

1) LEVEL 1 DEMOLITION RCP LOCKER ROOM

## **GENERAL NOTES:**

- THE GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND MEASUREMENTS IN THE FIELD PRIOR TO STARTING CONSTRUCTION.
- REFER TO GENERAL NOTES ON SHEET A0-00 FOR INFORMATION NOT INDICATED ON THIS SHEET.

## RCP DEMOLITION NOTES:

- THE GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND MEASUREMENTS IN THE FIELD PRIOR TO STARTING DEMOLITION.
- 2. THE GENERAL CONTRACTOR SHALL COORDINATE ALL PHASING, ACCESS. DEBRIS REMOVAL, STAGING AREAS AND HOURS OF CONSTRUCTION WITH OWNER PRIOR TO START OF DEMOLITION.
- THE GENERAL CONTRACTOR SHALL COORDINATE WITH STRUCTURAL, MEP, FIRE ALARM, FIRE PROTECTION, NURSE CALL, INTERIORS AND EQUIPMENT DRAWINGS PRIOR TO STARTING DEMOLITION. THE PROJECT MANUAL AND ALL DRAWINGS IN THE CONSTRUCTION DRAWINGS SHALL BE PART OF THE CONSTRUCTION DOCUMENTS.
- THE GENERAL CONTRACTOR SHALL SEPARATE DISSIMILAR METALS WITH BUILDING PAPER OR PLASTIC SHIM.
- THE GENERAL CONTRACTOR SHALL X-RAY AND/OR ULTRASOUND THE EXISTING CONCRETE FLOORS FOR ANY POSSIBLE EMBEDDED CONDUITS. STRUCTURAL REBAR OR UNFORESEEN CONDITION THAT IS OUTSIDE THE SCOPE OF WORK AND MIGHT IMPEDE THE ANCHORING OF EQUIPMENT OR CONFLICT WITH TRENCHING PRIOR TO CONSTRUCTION.
- REFER TO GENERAL NOTES ON SHEET A0-00 FOR INFORMATION NOT INDICATED ON THIS SHEET.
- 7. CONTRACTOR STAGING TO BE IN THE ROOMS UNDER REMODEL.
- CONTRACTOR PARKING TO BE IN CONTRACTOR DESIGNATED PARKING AREA. THE CONTRACTOR SHALL ENSURE THAT THE AREA UNDER REMODEL IS
- LOCKED AND OTHERWISE SECURED AFTER HOURS.
- 10. UNLESS OTHERWISE NOTED, CONTRACTOR SHALL COORDINATE WITH THE OWNER THE REMOVAL OF EXISTING EQUIPMENT INDICATED ON DRAWINGS.
- 11. DASHED LINES INDICATE ITEMS TO BE DEMOLISHED OR REMOVED. REFER TO CEILING PLAN, ROOM FINISH SCHEDULE ALONG WITH MECHANICAL AND ELECTRICAL SECTIONS FOR FURTHER DESCRIPTION OF SCOPE OF WORK.
- 12. REFER TO DEMOLITION PLAN FOR NOTES INDICATING TYPE OF FINISHES WITHIN THE EXISTING SPACE TO BE REMOVED.
- 13. REFER TO RELATED PLANS FOR PORTIONS OF EXISTING CONSTRUCTION SCHEDULED TO REMAIN.
- 14. PATCH NEW WORK TO MATCH AND ALIGN WITH THE EXISTING. COMPLETELY REMOVE EXISTING FINISHES WHERE NEW FINISHES ARE
- 15. CONTRACTOR SHALL PRESERVE AND PROTECT THE EXISTING OVERHEAD EQUIPMENT, LIGHTING, FIRE ALARM, FIRE SPRINKLER, PAGING, PHONE, DATA, ELECTRICAL LINES, ETC. SCHEDULED TO REMAIN DURING THE COURSE OF DEMOLITION. MANY OF THE SYSTEMS ARE SCHEDULED FOR REUSE BY THE OWNER UNDER THIS OR SEPERATE CONTRACTS.

## MATERIAL LEGEND:

- 2' X 2' ACOUSTICAL CEILING PANEL WITH TEGULAR
- 1' X 1' ACOUSTICAL CEILING TILE
- SUSPENDED GYP. BOARD CEILING
- 2X4 RECESSED LAY-IN FLOURESCENT LIGHT FIXTURE PROVIDE (2) SLACK SAFETY WIRES AT DIAGONAL
- 2X2 RECESSED LAY-IN FLOURESCENT LIGHT FIXTURE PROVIDE (2) SLACK SAFETY WIRES AT DIAGONAL
- RECESSED "CAN" LIGHT PROVIDE (1) SLACK SAFETY WIRE
- RECESSED "CAN" LIGHT DIRECTED TOWARD WALL PROVIDE (1) SLACK SAFETY WIRE
- PROVIDE (1) SLACK SAFETY WIRE
- SMOKE DETECTOR
- PROVIDE (1) SLACK SAFETY WIRE PAGING SPEAKER
- PROVIDE (1) SLACK SAFETY WIRE
- RETURN AIR OR EXHAUST PROVIDE (2) SLACK SAFETY WIRES AT DIAGONAL
- CORNERS ⇒ 3'-0" SUPPLY AIR DIFFUSER
- SUPPLY AIR DIFFUSER PROVIDE (2) SLACK SAFETY WIRES AT DIAGONAL CORNERS
- 2'x2' CEILING ACCESS PANEL
- ☐ 12"x18" CEILING ACCESS PANEL 20 MIN. RATED
- ☑ 1'x1' CEILING EXHAUST
- ☐ 1' x 1' CEILING HVAC SUPPLY
- □ 1' x 1' CEILING HVAC SUPPLY
- 1' x 4' FLOURESCENT CEILING LIGHT
- © CAMERA
- SPRINKLER
- → AUDIBLE NURSE CALL
- ◇ DOME LIGHT NURSE CALL
- **CHIME STROBE**

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## TCMC **EMERGENCY** DEPARTMENT

TRI-CITY MEDICAL CENTER 4002 VISTA WAY OCEANSIDE, CALIFORNIA 92056

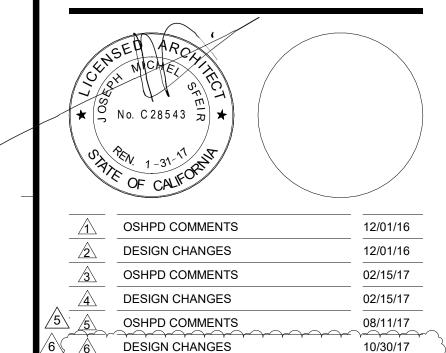
TRI-CITY MEDICAL CENTER 4002 VISTA WAY OCEANSIDE, CALIFORNIA 92056

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TEL(619)618-2347 FAX(619)330-0668

TEL(760)438-1188 9665 CHESAPEAKE DRIVE, SUITE 230 SAN DIEGO, CALIFORNIA 92123



OSHPD #: S162093-37-00

REV: DESCRIPTION:

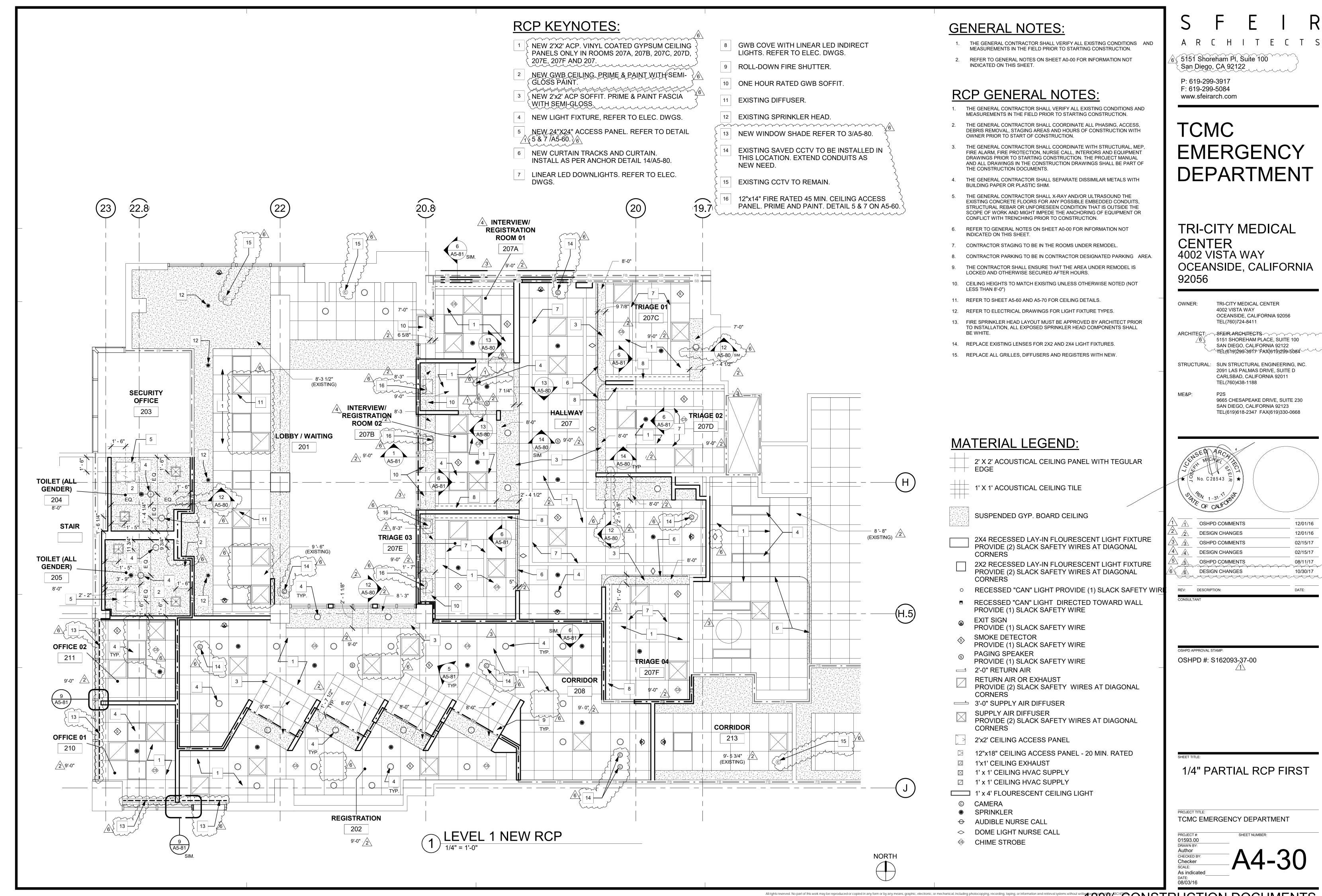
1/4" PARTIAL DEMO RCP **FIRST** 

TCMC EMERGENCY DEPARTMENT

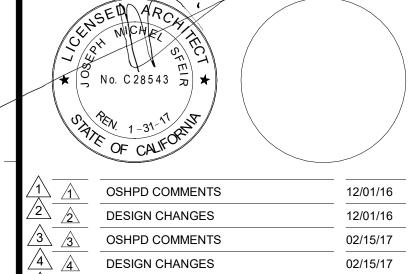
PROJECT #: 01593.00 CHECKED BY Checker

DATE: 08/03/16

As indicated



OCEANSIDE, CALIFORNIA



## **RCP KEYNOTES:** $\leftarrow$ 8 GWB COVE WITH LINEAR LED INDIRECT NEW 2'X2' ACP. VINYL COATED GYPSUM CEILING LIGHTS. REFER TO ELEC. DWGS. PANELS ONLY IN ROOMS 207A, 207B, 207C, 207D, 207E, 207F AND 207. 9 ROLL-DOWN FIRE SHUTTER. NEW GWB CEILING PRIME & PAINT WITH SEMI-GLOSS PAINT. 10 ONE HOUR RATED GWB SOFFIT. NEW 2'x2' ACP SOFFIT. PRIME & PAINT FASCIA 11 EXISTING DIFFUSER. 、WITH SEMI-GLOSS., 4 NEW LIGHT FIXTURE, REFER TO ELEC. DWGS. 12 EXISTING SPRINKLER HEAD. NEW 24"X24" ACCESS PANEL. REFER TO DETAIL 13 NEW WINDOW SHADE REFER TO 3/A5-80. {5 & 7 /A5-60.}<u>6</u> 14 EXISTING SAVED CCTV TO BE INSTALLED IN NEW CURTAIN TRACKS AND CURTAIN. THIS LOCATION. EXTEND CONDUITS AS INSTALL AS PER ANCHOR DETAIL 14/A5-80. NEW NEED. THE CONSTRUCTION DOCUMENTS. LINEAR LED DOWNLIGHTS. REFER TO ELEC. 15 EXISTING CCTV TO REMAIN. 16 12"x14" FIRE RATED 45 MIN. CEILING ACCESS PANEL. PRIME AND PAINT. DETAIL 5 & 7 ON A5-60. INDICATED ON THIS SHEET. 12. REFER TO ELECTRICAL DRAWINGS FOR LIGHT FIXTURE TYPES. + EDGE CORNERS CORNERS SMOKE DETECTOR ⇒ 3'-0" SUPPLY AIR DIFFUSER

**TOILET** 

276

8'-0"

LOCKERS

**TOILET** 

278

1 LEVEL 1 RCP LOCKER ROOM

17.1

279 9'-6"

**STORAGE** 

277

8'-0"

**GENERAL NOTES:** 

THE GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND MEASUREMENTS IN THE FIELD PRIOR TO STARTING CONSTRUCTION.

REFER TO GENERAL NOTES ON SHEET A0-00 FOR INFORMATION NOT INDICATED ON THIS SHEET.

## **RCP GENERAL NOTES:**

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REFER TO GENERAL NOTES ON SHEET A0-00 FOR INFORMATION NOT

CONTRACTOR STAGING TO BE IN THE ROOMS UNDER REMODEL

CONTRACTOR PARKING TO BE IN CONTRACTOR DESIGNATED PARKING AREA.

THE CONTRACTOR SHALL ENSURE THAT THE AREA UNDER REMODEL IS LOCKED AND OTHERWISE SECURED AFTER HOURS.

10. CEILING HEIGHTS TO MATCH EXISITNG UNLESS OTHERWISE NOTED (NOT

11. REFER TO SHEET A5-60 AND A5-70 FOR CEILING DETAILS.

13. FIRE SPRINKLER HEAD LAYOUT MUST BE APPROVED BY ARCHITECT PRIOR TO INSTALLATION, ALL EXPOSED SPRINKLER HEAD COMPONENTS SHALL

14. REPLACE EXISTING LENSES FOR 2X2 AND 2X4 LIGHT FIXTURES.

15. REPLACE ALL GRILLES, DIFFUSERS AND REGISTERS WITH NEW

## MATERIAL LEGEND:

2' X 2' ACOUSTICAL CEILING PANEL WITH TEGULAR

1' X 1' ACOUSTICAL CEILING TILE

SUSPENDED GYP. BOARD CEILING

2X4 RECESSED LAY-IN FLOURESCENT LIGHT FIXTURE PROVIDE (2) SLACK SAFETY WIRES AT DIAGONAL

2X2 RECESSED LAY-IN FLOURESCENT LIGHT FIXTURE PROVIDE (2) SLACK SAFETY WIRES AT DIAGONAL

O RECESSED "CAN" LIGHT PROVIDE (1) SLACK SAFETY WIRE

RECESSED "CAN" LIGHT DIRECTED TOWARD WALL PROVIDE (1) SLACK SAFETY WIRE

**EXIT SIGN** 

PROVIDE (1) SLACK SAFETY WIRE

PROVIDE (1) SLACK SAFETY WIRE

PAGING SPEAKER PROVIDE (1) SLACK SAFETY WIRE

RETURN AIR OR EXHAUST

PROVIDE (2) SLACK SAFETY WIRES AT DIAGONAL CORNERS

SUPPLY AIR DIFFUSER

PROVIDE (2) SLACK SAFETY WIRES AT DIAGONAL CORNERS

2'x2' CEILING ACCESS PANEL

12"x18" CEILING ACCESS PANEL - 20 MIN. RATED

1'x1' CEILING EXHAUST

1' x 1' CEILING HVAC SUPPLY 1' x 1' CEILING HVAC SUPPLY

1' x 4' FLOURESCENT CEILING LIGHT

© CAMERA

SPRINKLER

→ AUDIBLE NURSE CALL

◇ DOME LIGHT NURSE CALL

**STROBE** 

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## TCMC **EMERGENCY** DEPARTMENT

TRI-CITY MEDICAL CENTER 4002 VISTA WAY OCEANSIDE, CALIFORNIA 92056

TRI-CITY MEDICAL CENTER OWNER: 4002 VISTA WAY OCEANSIDE, CALIFORNIA 92056

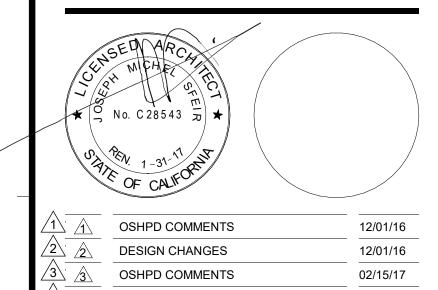
TEL(760)724-8411 ARCHITECT: SEEIR ARCHITECTS 5151 SHOREHAM PLACE, SUITE 100

^TEL(619)299-3917~FAX(619)299-5084~~~~ STRUCTURAL: SUN STRUCTURAL ENGINEERING, INC. 2091 LAS PALMAS DRIVE, SUITE D

SAN DIEGO, CALIFORNIA 92122

CARLSBAD, CALIFORNIA 92011 TEL(760)438-1188

9665 CHESAPEAKE DRIVE, SUITE 230 SAN DIEGO, CALIFORNIA 92123 TEL(619)618-2347 FAX(619)330-0668



08/11/17 OSHPD COMMENTS **DESIGN CHANGES** 10/30/17 KARAKARAKAKAKA REV: DESCRIPTION:

02/15/17

OSHPD #: S162093-37-00

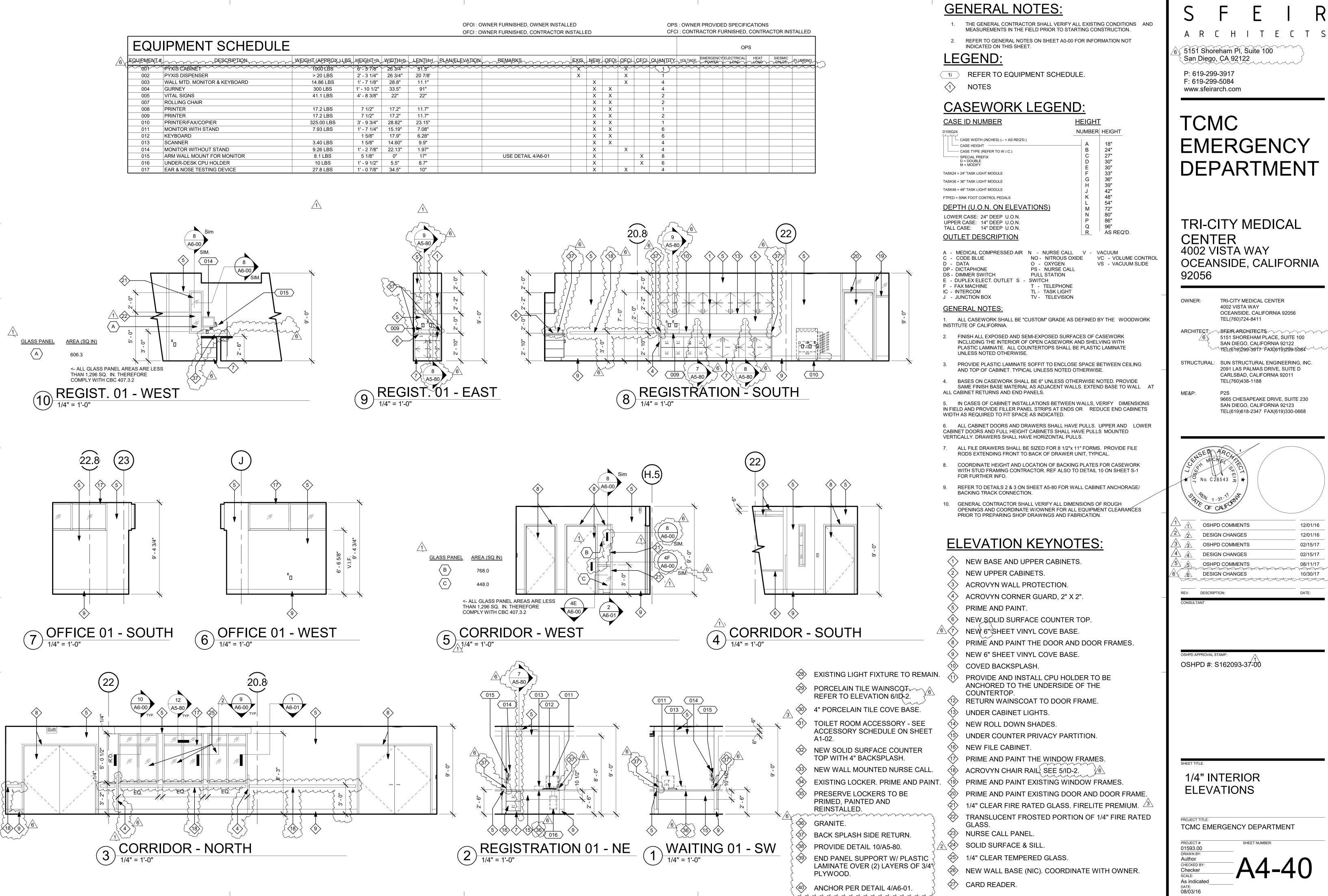
DESIGN CHANGES

1/4" PARTIAL RCP FIRST

TCMC EMERGENCY DEPARTMENT

PROJECT #: 01593.00 CHECKED BY Checker

As indicated DATE: 08/03/16



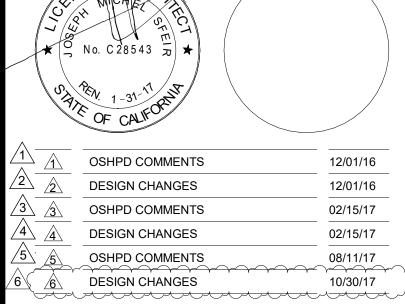
100% CONSTRUCTION DOCUMENTS

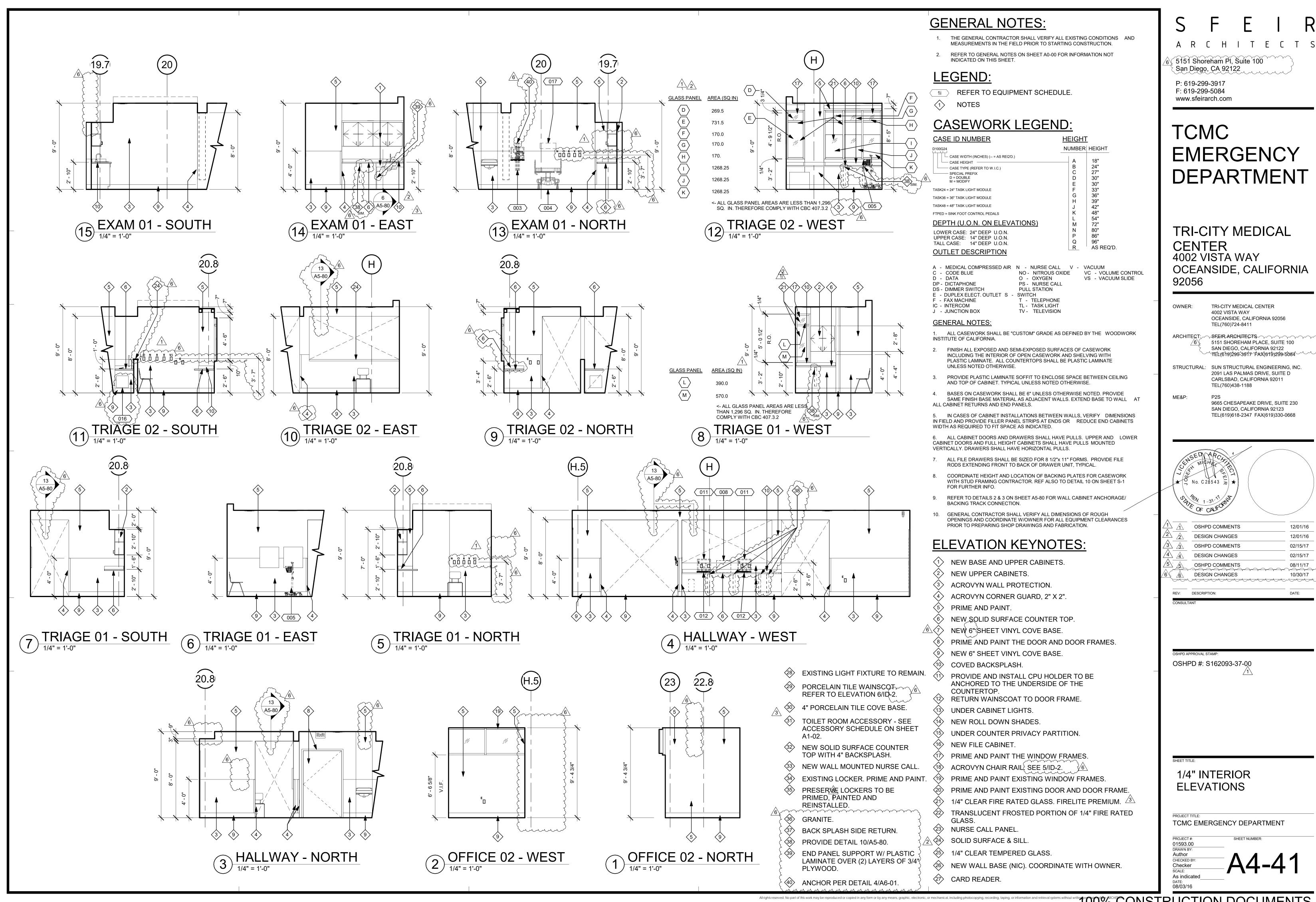
# **EMERGENCY** DEPARTMENT

OCEANSIDE, CALIFORNIA

ARCHITECT: STEIR ARCHITECTS 5151 SHOREHAM PLACE, SUITE 100

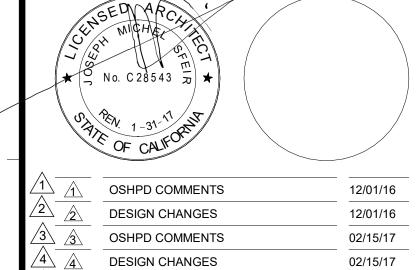
STRUCTURAL: SUN STRUCTURAL ENGINEERING, INC. 2091 LAS PALMAS DRIVE, SUITE D

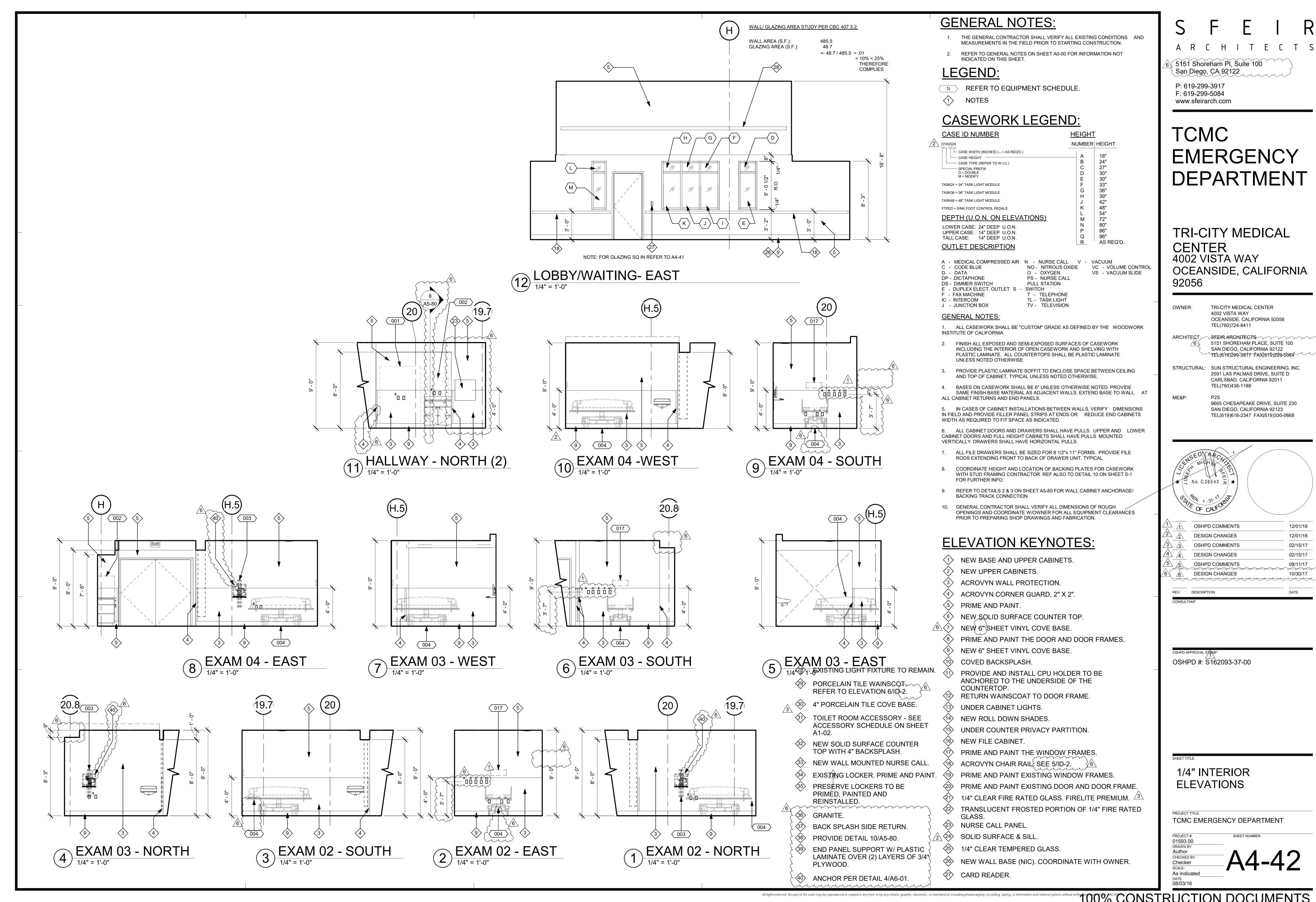




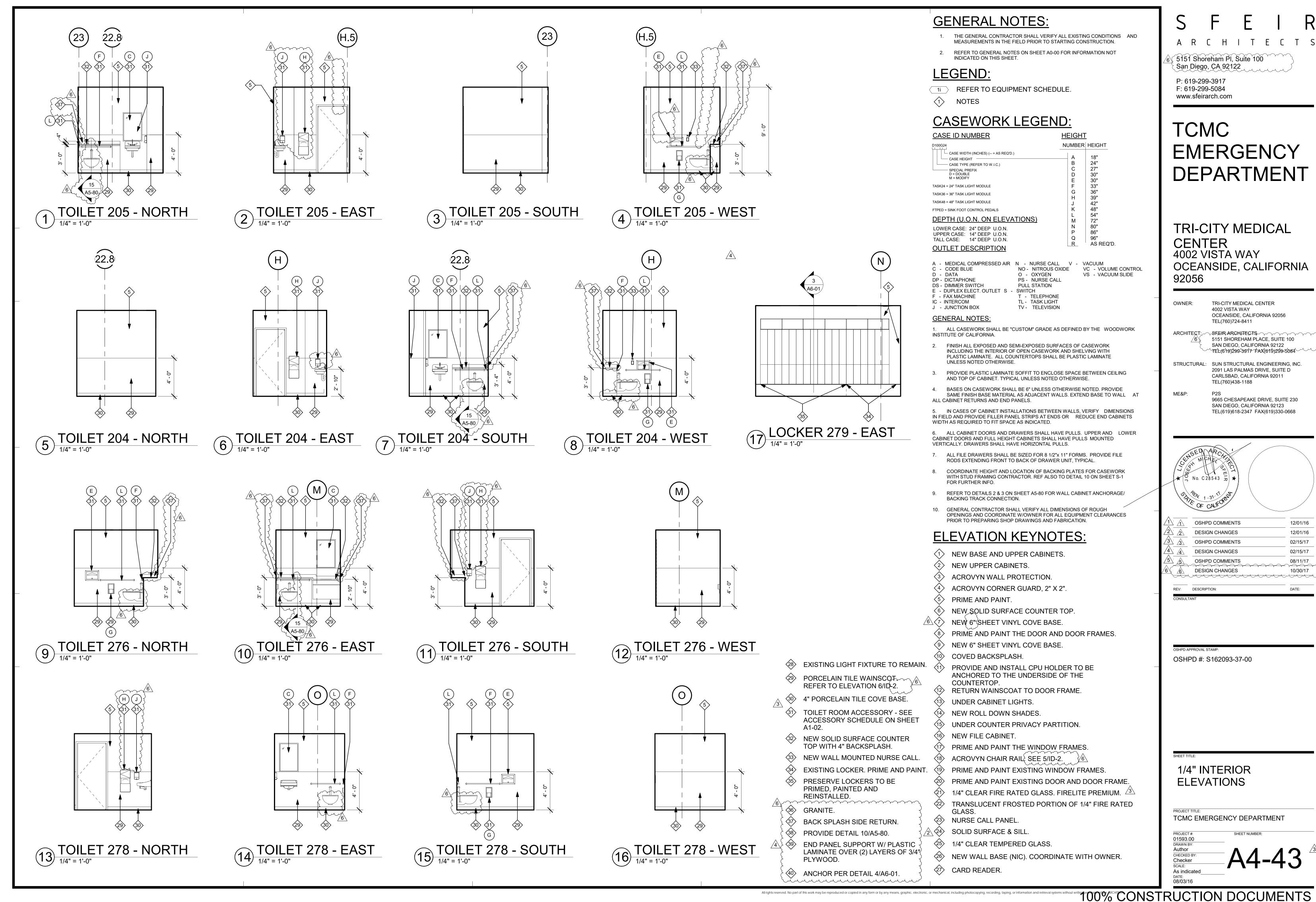
100% CONSTRUCTION DOCUMENTS

OCEANSIDE, CALIFORNIA

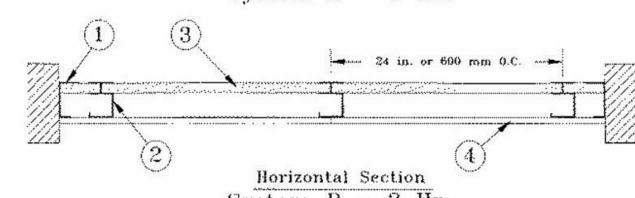


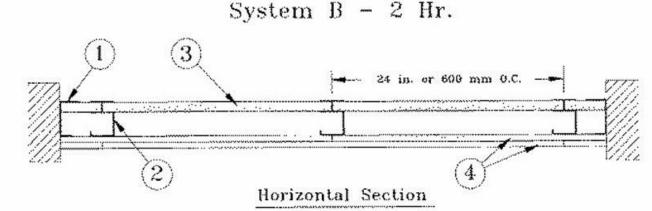


OCEANSIDE, CALIFORNIA



### Design No. U415 June 25, 2013 Nonbearing Wall Ratings - 1, 2, 3 or 4 Hr System A - 1 Hr.





1. Floor, Side and Ceiling Runners - "J" - shaped runner, min 2-1/2 in. deep (min 4 in. deep when System C is used), with unequal legs of 1 in. and 2 in., fabricated from min 24 MSG (min 20 MSG when Item 4A, 4B or 7 are used) galv steel. Runners positioned with short leg toward finished side of wall. Runners attached to structural supports with steel fasteners located not greater than 2 in. from ends and not greater than 24 in. OC. "E" - shaped studs (Item 2A) may be used as side runners in place of "J" - shaped runners.

2. Steel Studs — "C-H" - shaped studs, min 2-1/2 in. deep (min 4 in. deep when System C is used), fabricated from min 25 MSG (min 20 MSG when Items 2D, 4A, 4B or 7 is used) galv steel. Cut to lengths 3/8 to 1/2 in. less than floor-toceiling height and spaced 24 in, or 600 mm OC.

2A. Steel Studs - (Not Shown) - "E" - shaped studs installed back to back in place of "C-H" - shaped studs (Item 2) "E" - shaped studs secured together with steel screws spaced a maximum 12 in. OC. Fabricated from min 25 MSG (min 20 MSG when Item 2D, 4A, 4B or 7 is used) galv steel, min 2-1/2 in. deep (min 4 in. deep when System C is used), with one leg 1 in. long and two legs 3/4 in. long. Shorter legs 1 in. apart to engage gypsum liner panels. Cut to lengths 3/8 to 1/2

2B. Furring Channels — (Optional, not shown) — For use with single or double layer systems. Resilient furring channels fabricated from min 25MSG corrosion protected steel, installed horizontally, and spaced vertically a max 24 in. OC. Flange portion of channel attached to each intersecting "C-H" or "E" stud on side of stud opposite the 1 in. liner panels with 1/2 in, long Type S or S-12 pan-head steel screws. When furring channels are used, wallboard to be installed vertically only. Not to be used with Type FRX-G gypsum wallboard, Type RB-LBG (Item 4A), Type Nelco (Item 4B) or cementitious backer

2C. Furring Channels — For use with System I - "Hat" - shaped, 25 MSG galv steel furring channels attached directly over the inner layers of wallboard to each stud with 2 in. long Type S pan head steel screws. Screws alternate from top flange to bottom flange at each stud intersection. Furring channels spaced vertically max 24 in. OC.

2D. Steel Framing Members\* - (Optional, not shown) - For use with single or double layer systems. Furring channels and Steel Framing Members as described below. Not to be used with Type FRX-G gypsum wallboard, Type RB-LBG (Item 4A), Type Nelco (Item 4B) or cementitious backer units (Item 7):

> a. Furring Channels — Formed of No. 25 MSG galv steel. 2-9/16 in. or 2-23/32 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Gypsum board installed vertically only and attached to furring channels as described in

b. Steel Framing Members\* - Used to attach furring channels (Item 2Da) to studs (Item 2 or 2A). Clips spaced max. 24 in. OC., and secured to study with No. 8 x 1-1/2 in. minimum selfdrilling, S-12 steel screw through the center grommet. Furring channels are friction fitted into clips. RSIC-1 clip for use with 2-9/16 in. wide furring channels. RSIC-1 (2.75) clip for use with 2-23/32 in. wide furring channels.

PAC INTERNATIONAL INC — Types RSIC-1, RSIC-1 (2.75).

2E. Steel Framing Members — (Optional, Not Shown)\* - Furring channels and resilient sound isolation clip as described

a. Furring Channels - Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped in. and secured together with four self-tapping No. 8x1/2 Self Drilling screws (2 per side 1 in. and 4 in. from overlap edge). Gypsum board attached to furring channels as described in Item 3. Side joint furring channels shall be attached to studs with RESILMOUNT Sound Isolation Clips - Type A237R located approximately 2 in. from each end of length of channel. Both Gypsum Boards at side joints fastened into channel with screws spaced 8 in. OC, approximately 1/2 in. from joint

b. Steel Framing Members\* — Resilient sound isolation clip used to attach furring channels (Item 2Ea) to studs. Clips spaced 24 in. OC., and secured to studs with No. 10 x 2-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips.

STUDCO BUILDING SYSTEMS — RESILMOUNT Sound Isolation Clips - Type A237R

3. Gypsum Board\* - Gypsum liner panels, nom 1 in. thick, 24 in. or 600 mm (for metric spacing) wide. Panels cut 1 in. less in length than floor to ceiling height. Vertical edges inserted in "H" portion of "C-H" studs or the gap between the two 3/4 in. legs of the "E" studs. Free edge of end panels attached to long leg of vertical "J" - runners with 1-5/8 in. long Type S steel screws spaced not greater than 12 in. OC. When wall height exceeds liner panel length, liner panel may be butted to extend to the full height of the wall. Horizontal joints need not be backed by steel framing. In System I, butt joints in liner panels are staggered min 36 in. Butt joints backed with 6 in. by 22 in. strips of 3/4 in. thick gypsum wallboard (Item 4). Wallboard strips centered over butt joints and secured to liner panels with six 1-1/2 in. long Type G steel screws, three screws along the 22 in. dimension at the top and bottom of the strips.

**UNITED STATES GYPSUM CO** — Type SLX

USG MEXICO S A DE C V - Type SLX

4. Gypsum Board\* -

CGC INC — Type SLX

#### System A - 1 Hr

Gypsum panels, with beveled, square or tapered edges, nom 5/8 in. thick, 48 in. or 1200 mm wide, applied vertically or horizontally, attached to studs with 1 in. long Type S steel screws spaced 12 in. when installed vertically or 8 in OC when installed horizontally. Horizontal joints need not be backed by steel framing.

CGC INC - Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULX, WRC, WRX

UNITED STATES GYPSUM CO — Types AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SGX, SHX, ULX, WRC, WRX,

USG MEXICO S A DE C V — Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULX, WRC, WRX

#### System B - 2 Hr

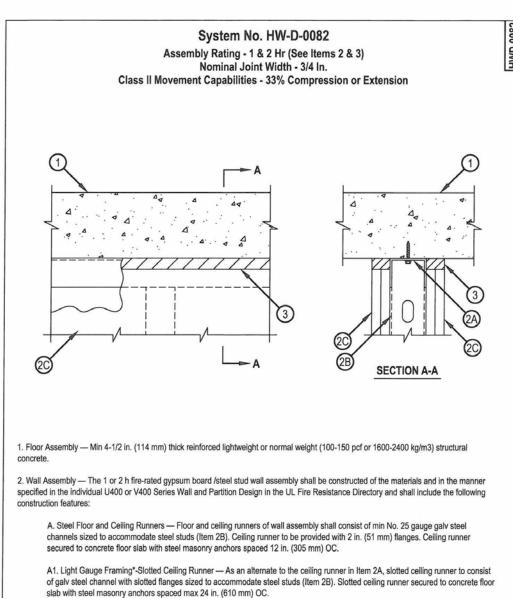
Gypsum panels, with beveled, square or tapered edges, nom 1/2 in. or 5/8 in. thick, 48 in. or 1200 mm wide. applied vertically or horizontally in two layers. Inner or base layer attached to studs with 1 in, long Type S steel screws spaced 24 in. OC when installed vertically or 16 in. OC when installed horizontally. Outer or face layer attached to study with 1-5/8 in, long Type S steel screws spaced 12 in, OC when installed vertically and staggered 12 in, from base layer screws or 8 in. OC when installed horizontally and staggered 8 in. from base layer screws. Horizontal joints between inner and outer layers staggered a min of 12 in. Horizontal joints need not be backed by steel framing. Vertical joints centered over studs and staggered 24 in.

CGC INC - 1/2 in. Type C, IP-X2, IPC-AR or WRC; 5/8 in. Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULX,

UNITED STATES GYPSUM CO — 1/2 in. Types C, IP-X2, IPC-AR, or WRC; 5/8 in. Types AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SGX, SHX, ULX, USGX, WRC, WRX

USG MEXICO S A DE C V − 1/2 in. Types C, IP-X2, IPC-AR or WRC; 5/8 in. Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR,

6 RATED SHAFT WALL



Reproduced by HILTI, Inc. Courtesy of

January 23, 2006

System No. C-AJ-2510

June 30, 2005

F Rating — 2 Hr

T Ratings — 0, 3/4 and 2 Hr (See Item 2)

L Rating at Ambient — Less Than 1 CFM/sq ft

L Rating at 400 F — 5 CFM/sq ft

W Rating - Class 1

Section A-A

1. Floor or Wall Assembly — Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or

1A. Steel Sleeve — (optional, not shown) - Schedule 40 (or heavier) steel sleeve cast or grouted into floor or wall

2. Through-Penetrants — For nom 2 in. (51 mm) diam (or smaller) pipes, one nonmetallic pipe, conduit or tubing to

be installed concentrically or eccentrically within the firestop system. The annular space between the penetrant and

the periphery of the opening shall be a min of 0 in. (0 mm, point contact) to a max of 5/8 in. (16 mm). For nom 3 in.

(76 mm) diam pipes, one nonmetallic pipe, conduit or tubing to be installed concentrically within the firestop system.

sleeve is used, the annular space between the penetrant and the sleeve shall be a min of 1/4 in. (6 mm) to a max of

3/8 in. (10 mm). Pipe, conduit or tubing to be rigidly supported on both sides of floor or wall assembly. The following

A. Polyvinyl Chloride (PVC) Pipe — Nom 3 in. (51 mm) diam (or smaller) Schedule 40 solid core PVC pipe for use

B. Chlorinated Polyvinyl Chloride (CPVC) Pipe — Nom 3 in. (51 mm) diam (or smaller) SDR13.5 CPVC pipe for

D. Crosslinked Polyethylene (PEX) Tubing — Nom 2 in. (51 mm) diam (or smaller) SDR 7.3 or SDR 9 PEX tubing

nonmetallic tubing (ENT) constructed of polyvinyl chloride (PVC) and installed in accordance with Article 331 of the

See Electrical Nonmetallic Tubing (FKHU) category in the Electrical Construction Materials Directory for names of

F. Flexible Nonmetallic Conduit, Liquid-Tight (FNMC)+ — Nom 2 in. (51 mm) diam (or smaller) corrugated-wall

flexible nonmetallic conduit, liquid-tight (FNMC) constructed of polyvinyl chloride (PVC and installed in accordance

See Flexible Nonmetallic Conduit, Liquid-Tight (DXOQ) category in the Electrical Construction Materials Directory for

G. Polyvinyl Chloride (PVC) Pipe — Nom 2 in. (51 mm) diam (or smaller) Schedule 40 cellular core PVC pipe for

H. Acrylonitrile Butadiene Styrene (ABS) Pipe — Nom 2 in. (51 mm) diam (or smaller) Schedule 40 solid core or

T Rating is 0 Hr when steel sleeve is used. When sleeve is not used and pipe diam is 2 in. (51 mm) or less, T Rating

is 2 Hr for penetrants A, B, C, D, E and F. When sleeve is not used and pipe diam is 3 in. (76 mm), T Rating is 3/4 Hr

cellular core ABS pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.

A. Packing Material — (Optional) - Nom 3/8 in. (10 mm) diam polyethylene backer rod or min 3/8 in. (10 mm)

thickness of mineral wool batt insulation firmly packed into opening as a permanent form and recessed from both

B. Fill, Void or Cavity Material\*-Sealant — For nom 2 in. (51 mm) diam (or samller) pipes, a min 2 in. (51 mm)

top surface of floor or with both surfaces of wall. An additional 1/4 in. (6 mm) bead of sealant applied at the

thickness of fill material applied within the annulus, flush with top surface of floor or with both surfaces of wall. For

nom 3 in. (76 mm) diam pipes, a min 2- 1/2in. (64 mm) thickness of fill material applied within the annulus, flush with

NON-METALLIC FLOOR PENETRATION

C. Rigid Nonmetallic Conduit+ — Nom 3 in. (51 mm) diam (or smaller) Schedule 40 PVC conduit installed in

E. Electrical Nonmetallic Tubing (ENT+) — Nom 2 in. (51 mm) diam (or smaller) corrugated-wall electrical

The annular space between the penetrant and the periphery of the opening shall be 1/4 in. (6 mm). When steel

assembly, flush with both surfaces of floor or wall assembly. The nom size of sleeve shall be 1 in. (25 mm) larger

See Concrete Blocks (CAZT) category in Fire Resistance Directory for names of manufacturers.

1600-2400 kg/m3) concrete. Wall may also be constructed of any UL Classified Concrete Blocks\*. The opening shall

HEAD OF WALL ASSEMBLY

SCAFCO STEEL STUD MANUFACTURING C

be 1 in. (25 mm) larger than the nom diam of penetrant.

types and sizes of nonmetallic pipes, conduits or tubing may be used:

in closed (process or supply) or vented (drain, waste or vent) piping systems.

accordance with Article 347 of the National Electrical Code (NFPA No. 70).

use in closed (process or supply) or vented (drain, waste or vent) piping systems.

than the nom size of through-penetrant.

use in closed (process or supply) piping systems.

for use in closed (process or supply) piping systems.

with Article 351 of the National Electrical Code (NFPA No. 70).

for penetrants A, B and C. T Rating is 0 Hr for penetrants G and H.

penetrant/concrete interface at point contact location.

3M COMPANY — FB-3000 WT

+Bearing the UL Listing Mark

\*Bearing the UL Classification Mark

3. **Firestop System** — The details of the firestop system shall be as follows:

surfaces of floor or wall as required to accommodate the required thickness of fill material.

National Electrical Code (NFPA No. 70).

names of manufacturers.

SLIPTRACK SYSTEMS INC - SLP-TRK

Hilti Firestop Systems

#### Assembly Rating - 1 & 2 Hr (See Items 2 & 3) Nominal Joint Width - 3/4 In. Class II Movement Capabilities - 33% Compression or Extension A2. Light Gauge Framing\*-Vertical Deflection Ceiling Runner — As an alternate to the ceiling runners in Items 2A and 2A1, vertical deflection ceiling runner to consist of galv steel channel with slotted vertical deflection clips mechanically fastened within runner. Slotted clips, provided with step bushings, for permanent fastening of steel studs. Flanges sized to accommodate steel studs (Item 2B). Vertical deflection ceiling runner secured to concrete floor slab with steel masonry anchors spaced max 24 in. (610 mm) OC. THE STEEL NETWORK INC — VertiTrack VTD250, VTD358, VTD400, VTD600 and VTD800 A3. Light Gauge Framing\* — Clipped Ceiling Runner — As an alternate to the ceiling runner in Items 2A, 2A1 and 2A2, clipped runner to consist of galv steel channel with clips preformed in track flanges which positively engage the inside flange of the steel studs (Item 2B). Track sized to accommodate steel studs (Item 2B). Track flanges to be min 2-1/2 in. (64 mm). Clipped ceiling runner secured to concrete floor slab with steel masonry anchors spaced max 24 in. (610 mm) OC. TOTAL STEEL SOLUTIONS L L C - Snap Trak A4. Light Gauge Framing\* - Notched Ceiling Runner — As an alternate to the celling runners in Items 2A through 2A3, notched

ceiling runners to consist of C-shaped galv steel channel with notched return flanges sized to accommodate steel studs (Item 2B). Notched ceiling runner secured to concrete floor slab with steel masonry anchors spaced max 24 in. (610 mm) OC. DENMAR STEEL INC — Type SCR

System No. HW-D-0082

B. Studs — Steel studs to be min 2-1/2 in. (64 mm) wide. Studs cut 1/2 to 3/4 in. (13 to 19 mm) less in length than assembly height with bottom nesting in and resting on floor runner and with top nesting in ceiling runner without attachment. When slotted ceiling runner (Item 2A1) is used, steel studs secured to slotted ceiling runner with No. 8 by 1/2 in, (13 mm) long wafer head steel screws at midheight of slot on each side of wall. Stud spacing not to exceed 24 in. (610 mm) OC. When vertical deflection ceiling runner (Item 2A2) is used, steel studs secured to slotted vertical deflection clips, through the bushings, with steel screws at midheight of each slot. Stud spacing not to exceed 24 in. (610 mm) OC .

C. Gypsum Board\* — Gypsum board installed to a min total thickness 5/8 or 1-1/4 in, (16 or 32 mm) on each side of wall, for 1 or 2 hr fire resistance rated walls, respectively. Wall to be constructed as specified in the individual U400 or V400 Series Design in the UL Fire Resistance Directory, except that a max 3/4 in. (19 mm) gap shall be maintained between the top of gypsum board and bottom of concrete floor. The screws attaching the gypsum board to the studs at the top of the first layer shall be located 4 in. (102 mm) from the steel floor unit valleys. The screws attaching the second layer to the steel studs shall be installed into the studs 3-1/2 in. (89 mm) below the valleys of the steel floor units. The hourly fire rating of the joint system is dependent on the hourly ratings of the

2. Fill, Void or Cavity Material — Sealant — Max separation between the bottom of floor and top of wall is 3/4 in. (19 mm). The joint system is designed to accommodate a max 33 percent compression or extension from its installed width. Fill material installed on each side of wall between the top of the gypsum board and the bottom of the concrete floor. Min 5/8 in. (16 mm) thickness plus a 1/4 in. (6 mm) crown required for 1 hr fire rated system. Min 1-1/4 in. (32 mm) thickness installed flush with surface of wall required for 2 Hr fire rated system. HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP601S Elastomeric Firestop Sealant

System No. W-L-1001

June 15, 2005

F Ratings — 1, 2, 3 and 4 Hr (See Items 2 and 3)

T Ratings — 0, 1, 2, 3, and 4 Hr (See Item 3)

L Rating at 400 F — Less than 1 CFM/sq ft

SECTION A-A

1. Wall Assembly — The 1, 2, 3 or 4 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner described

A. Studs — Wall framing may consist of either wood studs (max 2 h fire rated assemblies) or steel channel studs. Wood studs to consist of nom 2 by 4 in.

(51 by 102 mm) lumber spaced 16 in. (406 mm) OC with nom 2 by 4 in. (51 by 102 mm) lumber end plates and cross braces. Steel studs to be min

B. **Gypsum Board**\* — Nom 1/2 or 5/8 in. (13 or 16 mm) thick, 4 ft. (122 cm) wide with square or tapered edges. The gypsum wallboard type, thickness,

2. **Through-Penetrant** — One metallic pipe, conduit or tubing installed either concentrically or eccentrically within the firestop system. The annular space

B. Iron Pipe — Nom 24 in. (610 mm) diam (or smaller) service weight (or heavier) cast iron soil pipe, nom 12 in (305 mm) diam (or smaller) or Class 50 (or

1. Nom 2 in. (51 mm) diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall

2. Nom 1 in. (25 mm) diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall

3. Nom 1 in. (25 mm) diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall

3. Fill, Void or Cavity Material\* — Caulk or Sealant — Min 5/8., 1-1/4,1-7/8 and 2-1/2 in. (16, 32, 48 and 64 mm) thickness of caulk for 1, 2, 3 and 4 hr

board/penetrant interface at point contact location on both sides of wall. The hourly F Rating of the firestop system is dependent upon the hourly fire rating

of the wall assembly in which it is installed, as shown in the following table. The hourly T Rating of the firestop system is dependent upon the type or size of

Rating

rated assemblies, respectively, applied within annulus, flush with both surfaces of wall. Min 1/4 in. (6 mm) diam bead of caulk applied to gypsum

between pipe, conduit or tubing and periphery of opening shall be min of 0 in / (0 mm). (point contact) to max 2 in. (51 mm) Pipe conduit or tubing to be

rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:

C. Conduit — Nom 6 in. (152 mm) diam (or smaller) steel conduit or nom 4 in (102 mm) diam (or smaller) steel electrical metallic tubing

F. Through Penetrating Product\* — Flexible Metal Piping The following types of steel flexible metal gas piping may be used:

number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance

3-5/8 in. (92 mm) wide by 1-3/8 in. (35 mm) deep channels spaced max 24 in. (610 mm) OC.

A. Steel Pipe — Nom 24 in. (610 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.

D. Copper Tubing — Nom 6 in. (152 mm) diam (or smaller) Type L (or heavier) copper tubing

the pipe or conduit and the hourly fire rating of the wall assembly in which it is installed, as tabulated below:

Max Pipe

or Conduit

Diam In (mm)

4(102)

6(152)

+When copper pipe is used, † Rating is 0 h.

3M COMPANY — CP 25WB+ or FB-3000 WT.

\*Bearing the UL Classification Mark

E. Copper Pipe — Nom 6 in. (152 mm) diam (or smaller) Regular (or heavier) copper pipe.

Directory. Max diam of opening is 26 in. (660 mm).

heavier) ductile iron pressure pipe.

OMEGA FLEX INC

WARD MFG L L C

**GASTITE, DIV OF TITEFLEX** 

in the individual U300 or U400 Series Wall or Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

L Rating at Ambient — Less than 1 CFM/sq f

Bearing the UL Classification Mark





## 6" MAX. DIA. STEEL, FERROUS OR COPPER MORTAR OR GROUT **INSTALLED FULL** THICKNESS OF SLAB IN ANNULAR SPACE **EXISTING CONCRETE** SLAB FIRE RATED

# NOTE: THROUGH PENETRATION SHALL COMPLY WITH CBC

Min Stud No. of Lavers Min Thkns of Insulation Depth & Thkns (Item 3) 1-than number bas shade out of benu3-1/2 or 1 layer, 5/8 in. Optional 1-1/2 in. 2-1/2 1 layer, 1/2 in. 1-5/8 I most betseindst obiw an I 1 layer, 3/4 in. Optional amentan, laterior face t 1-5/8 2 layers, 1/2 in. Optional un. long, 0.18 in. diam steet 1-5/8 2 layers, 5/8 in. Optional 3-1/2 1 layer, 3/4 in. 3 layers, 1/2 in. Optional 1-5/8 2 layers, 3/4 in. Optional 1-5/8 3 layers, 5/8 in. Optional in min trildeness Metal Lif 20 mea sur vs. "I Nails," o 1-5/8 4 layers, 5/8 in. 1-5/8 4 layers, 1/2 in. Optional 4 biw if the low is in wide. 2-1/2 2 layers, 3/4 in.

Design No. U419

Nonbearing Wall Ratings — 1, 2, 3 or 4 Hr (See Items 3 & 4)

For Number of Layers

2. Steel Studs — Channel shaped, fabricated from min 25 MSG

to be cut 3/8 to 3/4 in. less than assembly height.

BZJZ) Categories for names of Classified companies.

3A. Batts and Blankets\* — (Optional) — Placed in stud cavities, any glass

4. Gypsum Board\* — Gypsum panels with beveled, square or tapered

fiber or mineral wool insulation bearing the UL Classification Marking

as to Surface Burning Characteristics and/or Fire Resistance. See Batts

edges, applied vertically or horizontally. Vertical joints centered over

studs and staggered one stud cavity on opposite sides of studs. Vertical

joints in adjacent layers (multilayer systems) staggered one stud cavity.

Horizontal joints need not be backed by steel framing. Horizontal edge

joints and horizontal butt joints on opposite sides of studs need not be

staggered. Horizontal edge joints and horizontal butt joints in adjacent

layers (multilayer systems) staggered a min of 12 in. The thickness and number of layers for the 1 hr, 2 hr, 3 hr and 4 hr ratings are as follows:

Wallboard Protection on Each Side of Wall

and Blankets (BKNV or BZIZ) Categories for names of Classified com-

and Hourly Ratings

with fasteners 24 in. OC max.

CANADIAN GYPSUM COMPANY —1/2 in. thick Type IP-X2 or IPC-AR; WRC, 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX or WRC; 3/4 in. thick Type IP-X3, ULTRACODE, ULTRACODE SHC or ULTRACODE UNITED STATES GYPSUM CO -1/2 in. thick Type C, IP-X2,

IP-X3, ULTRACODE, ULTRACODE SHC or ULTRACODE USG MEXICO S A DE C V —1/2 in. thick Type C, IP-X2, IPC-AR or WRC; 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX, WRC or; 3/4 in. thick Type IP-X3, ULTRACODE, ULTRACODE SHC or ULTRACODE WRC.

5. Fasteners — (Not shown) — Type S or S-12 steel screws used to attach panels to studs (Item 2) or furring channels (Item 6). Single layer systems: 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 8 in. OC when panels are applied horizontally, or 8 in. OC along vertical and bottom edges and 12 in. OC in the field when panels are applied vertically. Two layer systems: First layer-1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC. Second layer- 1-5/8 in. long for 1/2 in. 5/8 in. thick panels or 2-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OG with screws offset 8 in. from first layer. Three-layer systems: First layer- 1 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Third layer- 2-1/4 in. long for 1/2 in., 5/8 in. thick panels or 2-5/8 in. long for 5/8 in. thick panels, spaced 12 in. OC. Screws offset min 6 in. from layer below. Four-layer systems: First layer- 1 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Third layer-2-1/4 in. long for 1/2 in. thick panels or 2-5/8 in. long for 5/8 in. thick panels, spaced 24 in. OC. Fourth layer- 2-5/8 in. long for 1/2 in. thick panels or 3 in. long for 5/8 in. thick panels, spaced 12 in. OC. Screws offset min 6 in, from layer below. 6. Furring Channels — (Optional, not shown, for single or double layer systems) — Resilient furring channels fabricated from min 25 MSG

sides, not shown, for single or double layer systems) - As an alternate to Item 6, furring channels and Steel Framing Members as described a. Furring Channels — Formed of No. 25 MSG galv steel. 2-3/8 in.

board attached to furring channels as described in Item 5. Not for use with Item 4A. b. Steel Framing Members\* — Used to attach furring channels (Item 6a) to studs (Item 2). Clips spaced max. 48 in. OC., and secured to stude with No. 8 x 1-1/2 in. minimum self-drilling,

PAC INTERNATIONAL INC —Type RSIC-1 compound applied in two coats to joints and screw heads of outer layers. Paper tape, nom 2 in. wide, embedded in first layer of compound over all joints of outer layer panels. Paper tape and joint compound may be omitted when gypsum panels are supplied with a square edge. or steel siding, brick veneer or stucco, meeting the requirements of local code agencies, installed over gypsum panels. Brick veneer attached to study with corrugated metal wall ties attached to each stud with steel screws, not more than each sixth course of brick.

tical sealant applied around the partition perimeter for sound control. UNITED STATES GYPSUM CO — Type AS \*Bearing the UL Classification Mark

IPC-AR or WRC; 5/8 in. thick Type SCX, SHX, WRX, IP-X1, AR, C. WRC, FRX-G, IP-AR, IP-X2, IPC-AR: 3/4 in, thick Type

4A. Gypsum Board\* — (As an alternate to Item 4) — 5/8 in. thick, 2 ft/ wide, tongue and groove edge, applied horizontally as the outer layer to one side of the assembly. Secured as described in Item 5. Joint covering (Item 7) not required. CANADIAN GYPSUM COMPANY — Type SHX.

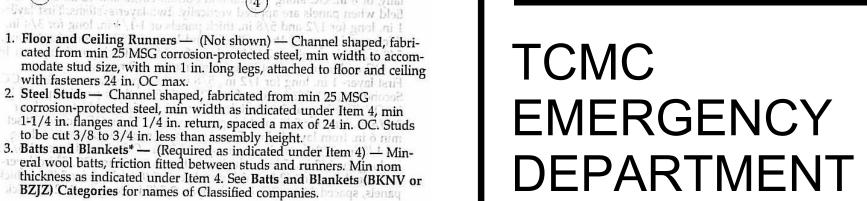
UNITED STATES GYPSUM CO —Type SHX. USG MEXICO S A DE C V — Type SHX.

corrosion-protected steel, spaced vertically a max of 24 in. OC. Flange portion attached to each intersecting stud with 1/2 in. long Type S-12 steel screws. Not for use with Item 4A. 6A. Steel Framing Members (Not Shown)\* — (Optional on one or both

wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Gypsum

S-12 steel screw through the center grommet. Furring channels are friction fitted into clips.

7. **Joint Tape and Compound** — Vinyl or casein, dry or premixed joint 8. Siding, Brick or Stucco — (Optional, not shown) — Aluminum, vinyl 9. Caulking and Sealants\* — (Optional, not shown) — A bead of acous-



5151 Shoreham PI, Suite 100

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www.sfeirarch.com

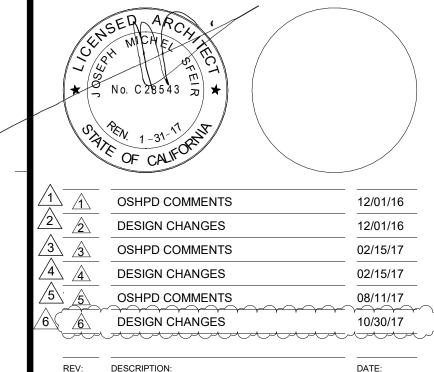
TRI-CITY MEDICAL **CENTER** 4002 VISTA WAY OCEANSIDE, CALIFORNIA 92056

TRI-CITY MEDICAL CENTER 4002 VISTA WAY OCEANSIDE, CALIFORNIA 92056 TEL(760)724-8411

ARCHITECT: SFEIR ARCHITECTS 5151 SHOREHAM PLACE, SUITE 100 SAN DIEGO, CALIFORNIA 92122 TEL(619)299-3917-FAX(619)299-5084

STRUCTURAL: SUN STRUCTURAL ENGINEERING, INC. 2091 LAS PALMAS DRIVE, SUITE D CARLSBAD, CALIFORNIA 92011 TEL(760)438-1188

> 9665 CHESAPEAKE DRIVE, SUITE 230 SAN DIEGO, CALIFORNIA 92123 TEL(619)618-2347 FAX(619)330-0668



OSHPD #: S162093-37-00

FIRE RATED **ASSEMBLIES** 

TCMC EMERGENCY DEPARTMENT

PROJECT #: SHEET NUMBER 01593.00 DRAWN BY CHECKED BY As indicated

100% CONSTRUCTION DOCUMENTS

2 METALLIC WALL PENETRATION

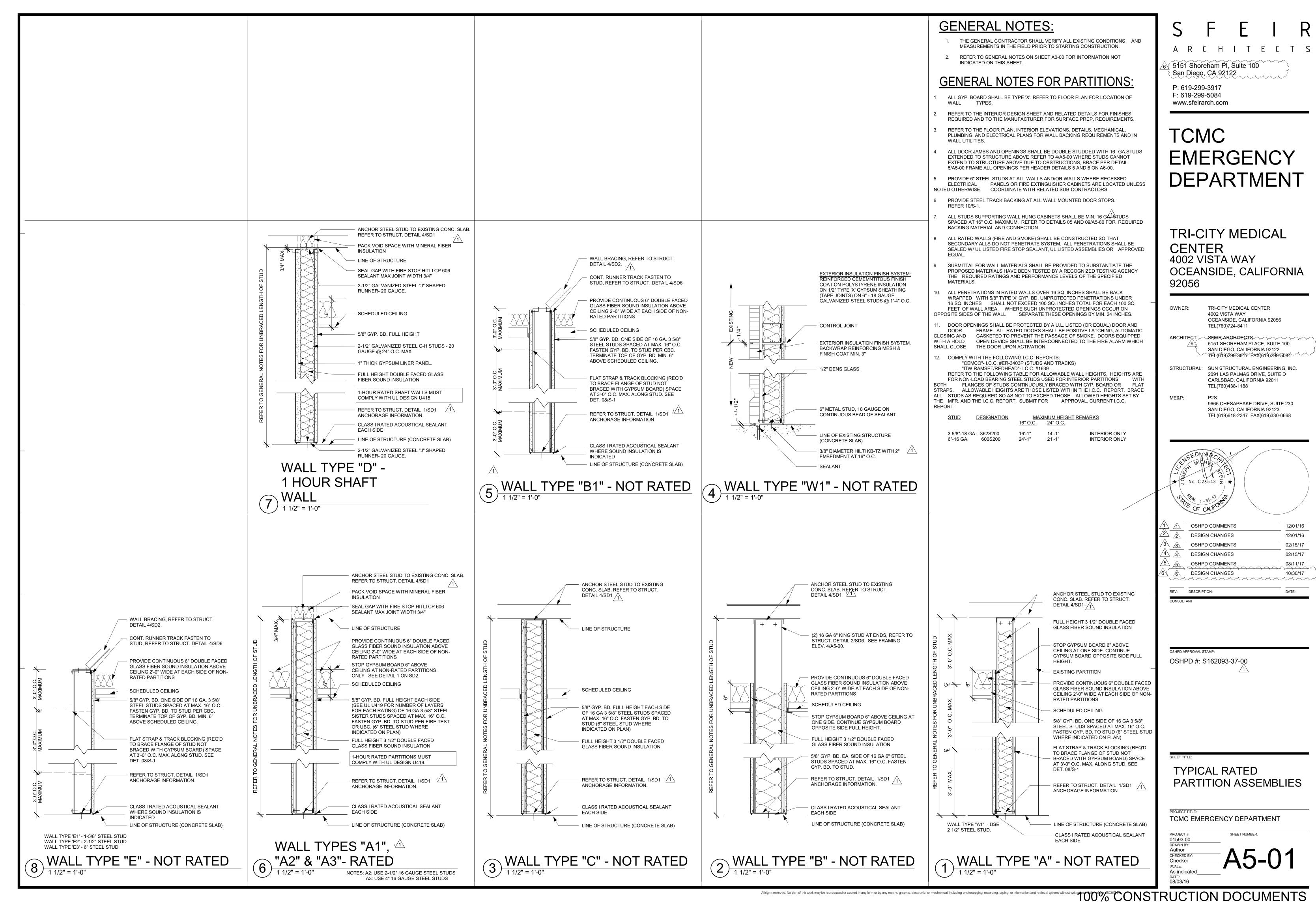
UL W-L-1001 All rights reserved. No part of this work may be reproduced or copied in any form or by any means, graphic, electronic, or mechanical, including photocopying, recording, taping, or information and retrieval systems without

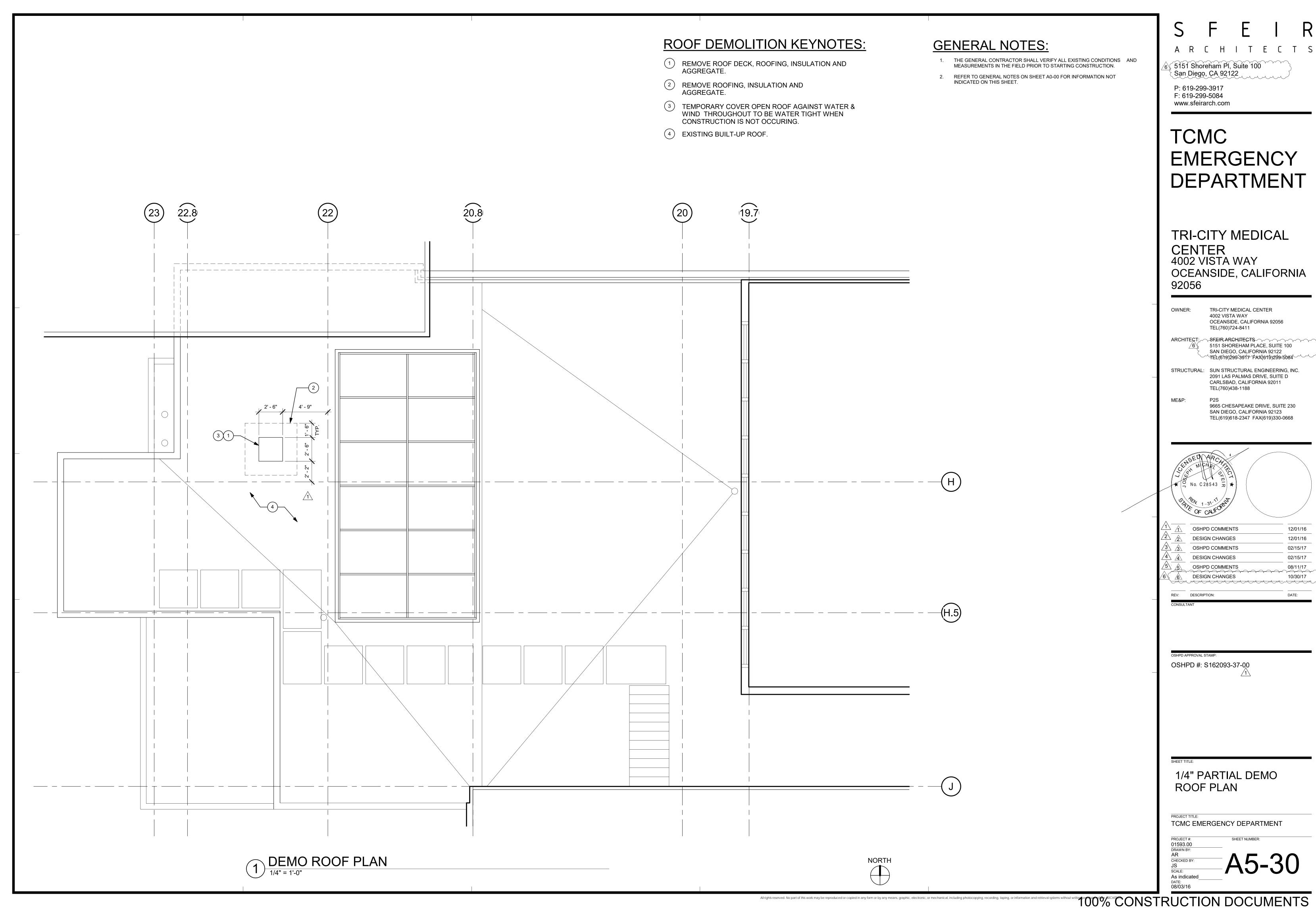
Rating

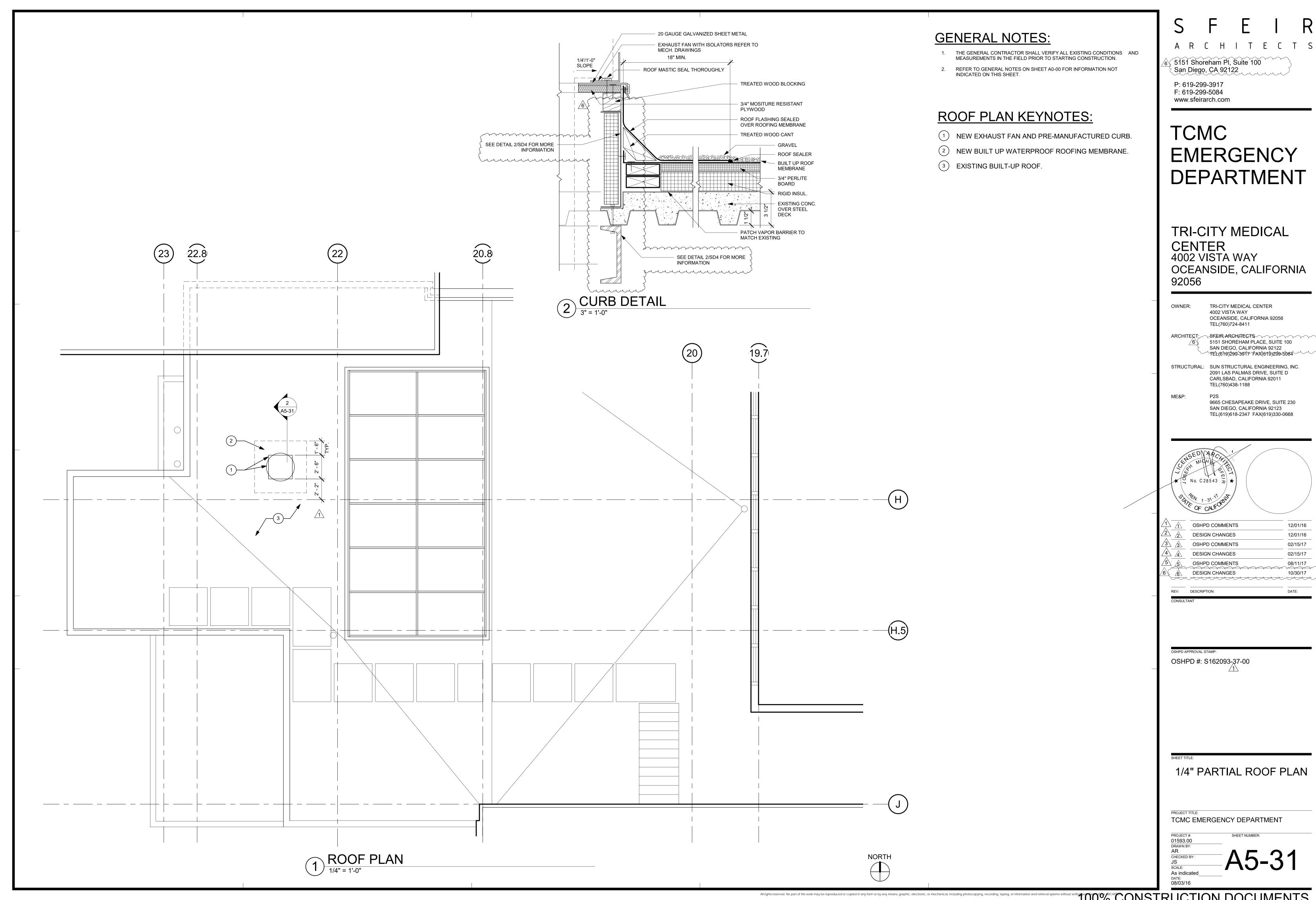
3 or 4

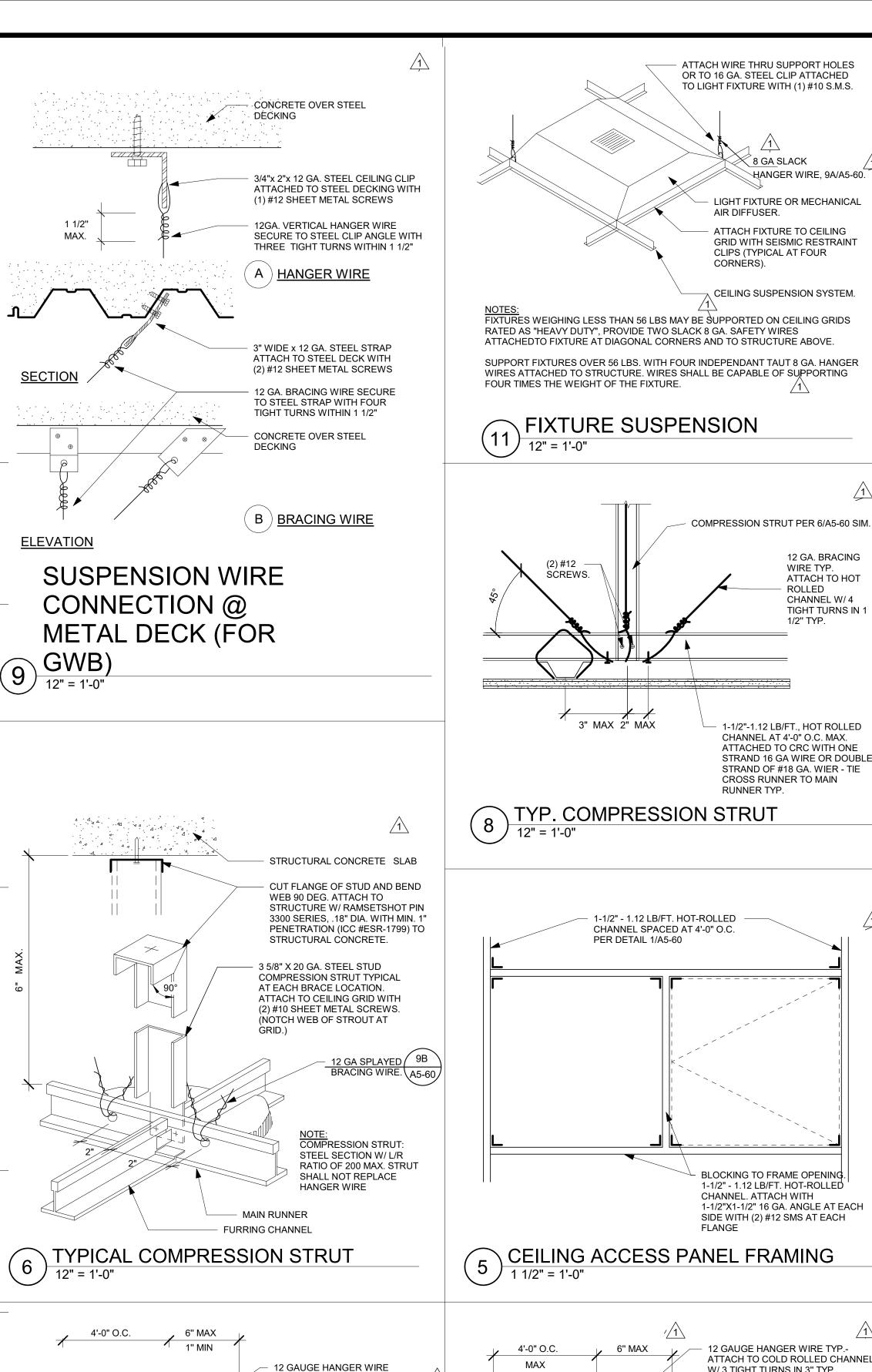
1 or 2

DATE: 08/03/16









TYP.- ATTACH TO COLD

TURNS IN 3" TYP.

" MIN. CLR. AT FREE JOINT

ROLLED CHANNEL W/ 3 TIGHT

1-1/2"-1.12 LB/FT., HOT ROLLED

CHANNEL AT 4'-0" O.C. MAX.

1"X2" 24 GA. MTL. CONT

STUDS (24"O.C. MAX.)

FURRING CHANNEL &

ANGLE AT FREE JOINT

5/8" GYP. BD. - ATTACH W/

**CORROSION RESISTANT** 

TREATMENT @ 12" O.C.,

ASTM C1002 TYPE S

SCREWS WITH

3 CEILING SUPPORT (PARALLEL)1

1"-0.410 LB/FT, HOT ROLLED

ATTACHED TO CRC WITH ONE

STRAND 16 GA WIRE TIE OR

DOUBLE STRAND OF 18" GA

WIRE- SADDLE TIE CROSS

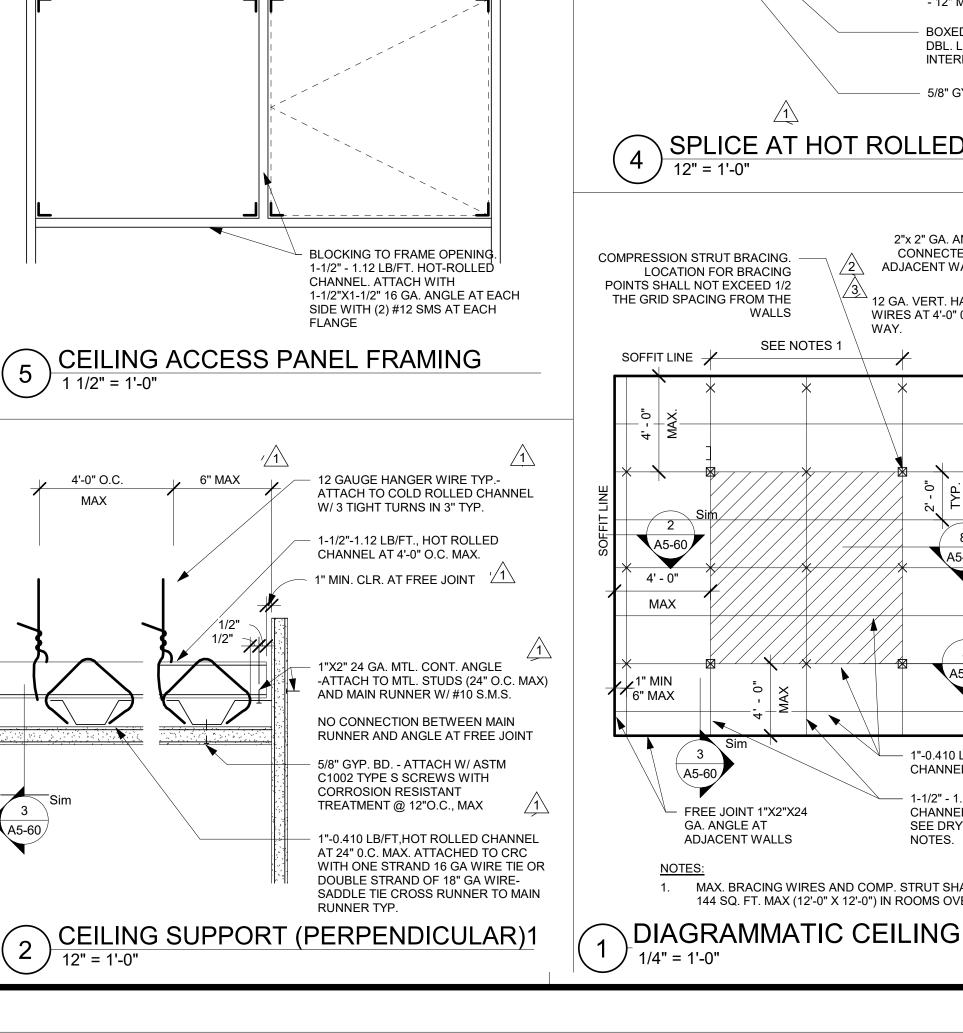
RUNNER TO MAIN

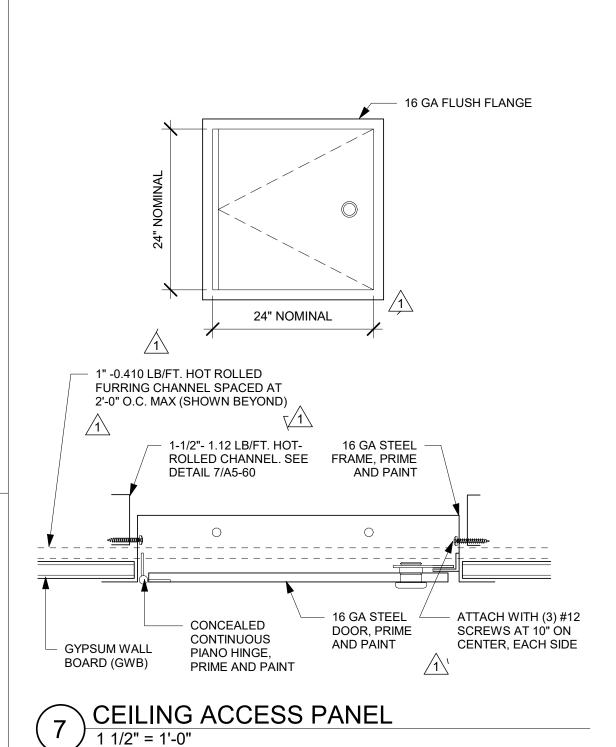
CHANNEL AT 24" 0.C. MAX.

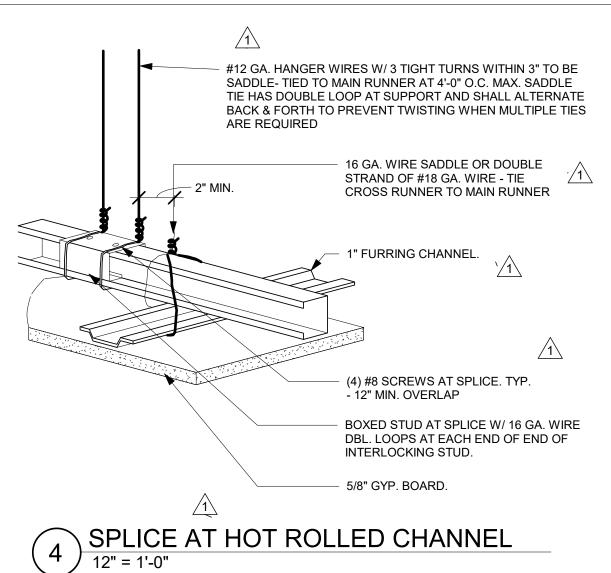
ANGLE - ATTACH TO MTL.

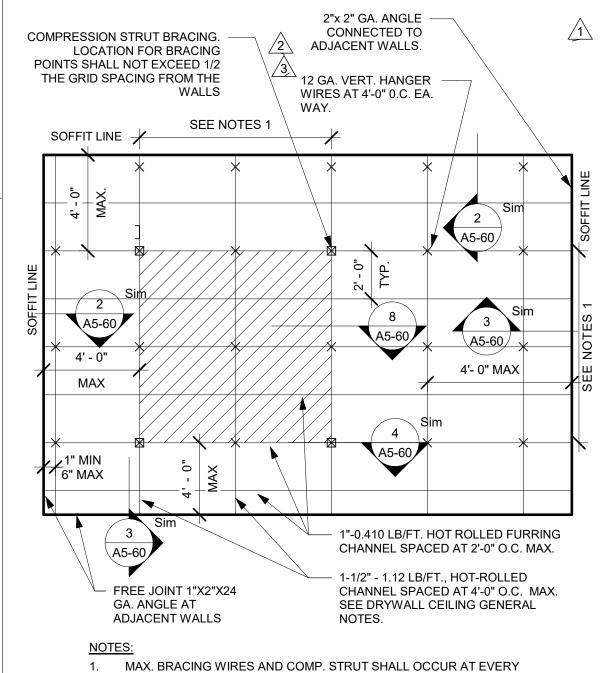
FURRING CHANNEL W/#10

NO CONNECTION BETWEEN









144 SQ. FT. MAX (12'-0" X 12'-0") IN ROOMS OVER 144 SQ. FT.

#### **GENERAL NOTES:**

- THE GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND MEASUREMENTS IN THE FIELD PRIOR TO STARTING CONSTRUCTION.
- REFER TO GENERAL NOTES ON SHEET A0-00 FOR INFORMATION NOT INDICATED ON THIS SHEET.

#### GENERAL NOTES GWB **CEILING:**

DRYWALL CEILING SUSPENSION; CONVENTIONAL CONSTRUCTION REF: CBC 2013 AND ASCE 7-10.

- CONSTRUCTION, WORKMANSHIP AND MATERIAL SHALL CONFORM TO THE 2013 CALIFORNIA BUILDING STANDARDS CODE (CBSC 2013).
- THE CONTRACTOR SHALL NOTIFY OSHPD AND THE REGISTERED DESIGN PROFESSIONAL (RDP) IN RESPONSIBLE CHARGE WHERE A CONFLICT OR DISCREPANCY OCCURS BETWEEN THE CONSTRUCTION DRAWINGS AND ANY OTHER PORTION OF THE CONSTRUCTION DOCUMENTS, FIELD CONDITIONS, OR WHERE ANY CONDITIONS ARISE NOT COVERED BY THESE DOCUMENTS WHEREIN WORK WILL NOT COMPLY WITH CODE REQUIREMENTS.
- THE INTENT OF THE DRAWINGS AND SPECIFICATIONS IS TO CONSTRUCT THE HOSPITAL BUILDING IN ACCORDANCE WITH THE CALIFORNIA BUILDING STANDARD CODE, 2013 (CBSC 2013). SHOULD ANY CONDITION DEVELOP NOT COVERED BY THE APPROVED CONSTRUCTION DOCUMENTS WHEREIN THE WORK WILL NOT COMPLY WITH CBSC 2013. A CHANGE ORDER DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY OSHPD BEFORE PROCEEDING WITH THE WORK.
- GALVANIZED METAL STUDS, TRACKS AND SHEET STEEL SHALL CONFORM TO ASTM A653-11 MATERIAL, OR OTHER EQUIVALENT ASTM LISTED MATERIALS IN SECTION A2.1 OF THE AISI SI00-07/S2-10: NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS WITH SUPPLEMENT 2, DATED 2010, WITH A MINIMUM YIELD STRENGTH OF 33 KSI FOR 43 MIL (18 GAGE) AND LIGHTER AND MINIMUM YIELD STRENGTH OF 50 KSI FOR HEAVIÈR GAGES. METAL STUDS AND TRACKS SHALL BE OF SIZE. THICKNESS AND SECTION PROPERTIES SHOWN ON TABLES 1-1, 1-2 AND 1-3 OF THE AISI MANUAL, COLD-FORMED STEEL DESIGN, 2008 EDITION. THE RDP IN RESPONSIBLE CHARGE SHALL OBTAIN OSHPD APPROVAL FOR ANY
- ELECTRICAL METALLIC TUBE (EMT) SHALL BE ANSI C80.3/UL 797 CARBON STEEL WITH G90 GALVANIZING. EMT SHALL HAVE MINIMUM YIELD STRENGTH OF (Fy = ) 30 KSI AND MINIMUM ULTIMATE STRENGTH OF (Fu = ) 48 KSI.
- SELECTED FASTENER CAPACITIES SHALL MATCH OR EXCEED THE STRENGTHS LISTED HEREIN. THE FOLLOWING REQUIREMENTS SHALL ALSO BE MET:
- SHEET METAL SCREWS SHALL COMPLY WITH ASTM C 1513-10, ASME B18.6.4-98 (R2005) AND ICC-ES AC 118. PENETRATION OF SCREWS THROUGH JOINED MATERIAL SHALL NOT BE LESS THAN THREE EXPOSED
- WELDING SHALL BE IN ACCORDANCE WITH AWS D1.3 USING E60XX SERIES ELECTRODES. FIELD WELDING SHALL HAVE SPECIAL INSPECTION IN ACCORDANCE WITH 2013 CBC SECTION 1705A.2
- POST- INSTALLED ANCHORS (E.G. EXPANSION ANCHORS, SCREW ANCHORS AND POWER ACTUATED FASTENERS) SHALL HAVE SPECIAL INSPECTION AND TESTING IN ACCORDANCE WITH THE 2013 CBC SECTIONS 1705A.3 & 1913A.7. FOR QUALIFICATION, DESIGN AND USE OF POST-INSTALLED ANCHORS IN CONCRETE SEE THE 2013 CBC SECTIONS 1616A.1.19 AND 1908A.1.1. LISTING OF CURRENT ICC-ES EVALUATION REPORTS (OR REPORTS FROM OTHER TESTING AGENCIES ACCEPTABLE TO OSHPD) SHALL BE REQUIRED FOR FASTENER USED.
- POWER-ACTUATED FASTENERS (PAF), POWDER DRIVEN FASTENERS (PDF), POWER DRIVEN PINS (PDP) AND SHOT PINS ALL REPRESENT THE SAME FASTENER AND WILL HEREAFTER BE REFERRED TO AS POWER ACTUATED FASTENERS (PAF). PAF'S SHALL SATISFY THE CURRENT AC70-ACCEPTANCE CRITERIA FOR FASTENERS POWER-DRIVEN INTO CONCRETE. STEEL AND MASONRY ELEMENTS AND THE 2013 CBC SECTION 1908A.1.1. LISTING OF CURRENT ICC ES EVALUATION REPORTS (OR REPORTS FROM OTHER TESTING AGENCIES ACCEPTABLE TO OSHPD) SHALL BE REQUIRED FOR FASTENERS USED.
- FOR PAF INSTALLED IN STEEL THE FASTENER PENETRATION SHALL HAVE THE ENTIRE POINTED END OF THE FASTENER DRIVEN THROUGH THE STEEL MEMBER. EXCEPT AS NOTED IN CURRENT REPORTS FROM TESTING AGENCIES ACCEPTABLE TO OSHPD.
- DESIGN CRITERIA
  - BUILDING CODE: 2013 CALIFORNIA BUILDING CODE (2013 CBC), ASCE 7-10. AISI S100-07/S2-10, ASTM C754-11. FOR LOAD COMBINATIONS, ALLOWABLE STRESS DESIGN SHALL BE IN ACCORDANCE WITH 2013 CBC SECTION
  - FASTENER CAPACITIES TABLES WERE DEVELOPED BASED ON ICC REPORTS BY SEVERAL MANUFACTURERS.
  - THE DESIGN ASSUMES THAT BUILDING ELEMENTS AND SUPPORTS, TO WHICH THE COMPONENTS ADDRESSED IN THIS DOCUMENT ARE ANCHORED, HAVE SUFFICIENT CAPACITY TO CARRY THE LOADS IMPOSED BY THE COMPONENTS IN COMBINATION WITH ALL OTHER
  - DESIGN CRITERIA IS LIMITED TO CEILING ASSEMBLIES HAVING MAXIMUM DEAD WEIGHT OF 4 PSF, INCLUDING LIGHTING FIXTURES (LUMINERIES) AND MECHANICAL SERVICES, EACH WEIGHING LESS THAN 56 LBS AND ATTACHED TO CEILING FRAMING SYSTEM. HEAVIER SYSTEM AND THOSE SUPPORTING LATERAL FORCES FROM PARTITION WALLS WILL REQUIRE PROJECT SPECIFIC DESIGN.
- THE RDP IN RESPONSIBLE CHARGE SHALL VERIFY THE FIRE RESISTANCE AND ACOUSTICAL RATINGS FOR ALL CEILING ASSEMBLIES.
- "CEILING WIRE" SHALL CONFORM WITH GALVANIZED SOFT ANNEALED MILD STEEL WIRE AS DEFINED IN ASTM A641 (CLASS 1 COATING) WITH 70 KSI MINIMUM
  - a. FOUR (4) TWISTS OF WIRE WITHIN 1.5" DEVELOPS THE ALLOWABLE LOAD FOR THE WIRE. THREE (3) TWISTS WITHIN 3" MAY BE USED TO DEVELOP THE MAXIMUM 50% OF ALLOWABLE LOAD.
- 10. SUSPENSION SYSTEM COMPONENTS SHALL COMPLY WITH ASTM C754 MAIN RUNNERS SHALL CONSIST OF 16 GAGE 1-1/2" COLD ROLLED U-CHANNEL 150U050-54 SPACED AT 4'-0" OC MAX. MAIN RUNNERS SHALL BE
- SUPPORTED BY HANGER WIRES AT 4'-0" OC MAX AND WITHIN 6" FROM EA FURRING CHANNEL SHALL CONSIST OF 25 GAGE 7/8" (HAT) FURRING CHANNELS (087F125-18) AT 2'-0" OC MAX. FURRING CHANNELS SHALL BE SADDLE TIED TO MAIN RUNNERS WITH 16 GAGE TIE WIRE OR A DOUBLE
- STRAND OF 18 GAGE TIE WIRE. MAIN RUNNERS SHALL BE SPLICED BY LAPPING IN ACCORDANCE WITH
- DETAIL 4/A5-60. FURRING CHANNELS SHALL BE SPLICED BY LAPPING IN ACCORDANCE WITH DETAIL 6/A5-60.
- MAIN RUNNERS AND FURRING CHANNELS ALONG WITH THEIR SPLICES INTERSECTION CONNECTORS, AND EXPANSION DEVICES SHALL BE DESIGNED AND CONSTRUCTED TO CARRY A MEAN ULTIMATE TEST LOAD OF NOT LESS THAN 270 LBS. IN COMPRESSION & TENSION.
- HANGER AND BRACING WIRES SHALL BE #12 GAGE (0.106" DIAMETER), SOFT ANNEALED, AND GALVANIZED STEEL WIRES WITH CLASS 1 COATING. THEY MAY BE USED FOR UP TO AND INCLUDING 4'-0" X 4'-0" GRID SPACING ALONG AND ATTACHED TO MAIN RUNNERS. SPLICES ARE NOT PERMITTED IN ANY HANGER WIRE.
- WIRE HANGERS SHALL BE SADDLE-TIED AROUND MAIN RUNNERS SO AS TO PREVENT TURNING OR TWISTING OF THE MEMBER
- SUSPENSION SYSTEM INSTALLATION, SHALL COMPLY WITH ASTM C754: CEILING GRID MEMBERS SHALL BE ATTACHED TO TWO (2) ADJACENT WALLS. MAIN RUNNERS AND FURRING CHANNEL SHALL BE AT LEAST 1 INCH CLEAR OF OTHER WALL AND FURRING SHALL BE AT LEAST 3/4" INCH CLEAR OF OTHER WALL. IF WALLS RUN DIAGONAL TO THE CEILING GRID SYSTEM RUNNERS, ONE END OF MAIN RUNNER AND FURRING SHOULD BE
  - FREE WITH STANDARD CLEARANCES. THE WIDTH OF THE PERIMETER SUPPORTING CLOSURE ANGLE SHALL BE NOT LESS THAN TWO (2) INCHES. USE OF ANGLES WITH SMALLER WIDTHS IN CONJUNCTION WITH PERIMETER CLIPS SHALL REQUIRE AN ALTERNATE METHOD OF COMPLIANCE WITH ADEQUATE JUSTIFICATION
- EXPANSION JOINTS SHALL BE PROVIDED IN THE CEILING AT NTERSECTIONS OF CORRIDORS AND AT JUNCTIONS OF CORRIDORS WITH LOBBIES OR OTHER SIMILAR AREAS. FOR CEILING AREAS EXCEEDING 2500 SQUARE FEET, A SEISMIC SEPARATION JOINT SHALL BE PROVIDED TO DIVIDE THE CEILING INTO

12. EXPANSION JOINTS, SEISMIC SEPARATIONS, AND PENETRATIONS:

AREAS NOT EXCEEDING 2500 SQ. FT.

- PENETRATIONS THROUGH THE CEILING FOR SPRINKLER HEADS AND OTHER SIMILAR DEVICES THAT ARE NOT INTEGRALLY TIED TO THE CEILING SYSTEM IN THE LATERAL DIRECTION SHALL HAVE A TWO (2) INCH OVERSIZED RING. SLEEVE OR ADAPTER THROUGH THE CEILING TILE TO ALLOW FREE MOVEMENT OF ONE (1) INCH IN ALL HORIZONTAL DIRECTIONS. A FLEXIBLE SPRINKLER HOSE FITTING THAT CAN ACCOMMODATE ONE (1) INCH OF CEILING MOVEMENT SHALL BE PERMITTED TO BE USED IN LIEU OF THE OVERSIZED RING. SLEEVE OR ADAPTER. SUCH FLEXIBLE SPRINKLER HOSE SHALL BE ADEQUATELY SUPPORTED FROM SOFFIT SO AS NOT TO EXCEED THE MAXIMUM TRIBUTARY WEIGHT OF THE CEILING.
- LATERAL FORCE BRACING: LATERAL FORCE BRACING IS REQUIRED IN ACCORDANCE WITH THIS SECTION FOR ALL CEILING AREAS, UON.

EXCEPTION: LATERAL FORCE BRACING MAY BE OMITTED FOR SUSPENDED ACOUSTICAL CEILING SYSTEMS WITH A CEILING AREA OF 144 SQ. FT. OR LESS, WHEN PERIMETER SUPPORT ARE PROVIDED AND PERIMETER WALLS ARE DESIGNED TO CARRY THE CEILING LATERAL FORCES.

- a. PROVIDE LATERAL-FORCE BRACING ASSEMBLIES CONSISTING OF A STRUT AND FOUR (4) #12 GAGE BRACING WIRES ORIENTED 90 DEGREES FROM EACH OTHER. LATERAL-FORCE BRACING ASSEMBLIES SHALL BE SPACED IN
- ACCORDANCE WITH DETAILS 1/A5-60, 10/A5-60 & 14/A5-60 FROM EACH WALL AND AT THE EDGES OF ANY CHANGE OF ELEVATION OF THE CEILING. THE SLOPE OF BRACING WIRES MAY BE FROM 10 TO 45
- DEGREES BUT MAY NOT EXCEED 45 DEGREES FROM THE PLANE OF THE CEILING AND WIRES SHALL BE TAUT. STRUTS SHALL BE ADEQUATE TO RESIST THE VERTICAL COMPONENT INDUCED BY THE BRACING WIRES, AND SHALL

NOT BE MORE THAN 1 (HORIZONTAL) IN 6 (VERTICAL) OUT OF

- 14. ATTACHMENT OF HANGER AND BRACING WIRES: FASTEN #12 HANGER WIRES WITH NOT LESS THAN THREE (3) TIGHT TURN IN 3 INCHES. HANGER WIRE LOOPS SHALL BÉ TIGHTLY WRAPPED AND SHARPLY BENT TO PREVENT ANY VERTICAL MOVEMENT OR ROTATION OF THE MEMBER WITHIN THE LOOPS.
  - FASTEN #12 BRACING WIRES WITH FOUR (4) TIGHT TURNS MAKE ALL TIGHT TURNS WITHIN A DISTANCE OF 1 1/2" INCHES
- HANGER OR BRACING WIRE ANCHORED TO THE STRUCTURE SHOULD BE INSTALLED IN SUCH A MANNER THAT THE DIRECTION OF THE ANCHOR ALIGNS AS CLOSELY AS POSSIBLE WITH THE DIRECTION OF THE WIRE.
- SEPARATE ALL CEILING HANGER AND BRACING WIRES AT LEAST SIX (6) INCHES FROM ALL UNBRACED DUCTS, PIPES CONDUITS, ETC
- HANGER WIRES SHALL NOT BE ATTACHED TO OR BEND AROUND INTERFERING MATERIAL OR EQUIPMENT. PROVIDE TRAPEZE OR OTHER SUPPLEMENTARY SUPPORT MEMBERS AT OBSTRUCTIONS TO TYPICAL HANGER SPACING. PROVIDE ADDITIONAL HANGERS, STRUTS OR BRACES AS REQUIRED AT ALL CEILING BREAKS, SOFFITS, OR DISCONTINUOUS
- HANGER WIRES THAT ARE MORE THAN 1 (HORIZONTAL) IN 6 (VERTICAL) OUT OF PLUMB SHALL REQUIRE PROJECT SPECIFIC DESIGN.
- WHEN DRILLED-IN CONCRETE ANCHORS OR PAF ARE USED IN REINFORCED CONCRETE FOR HANGER WIRES, 1 OUT OF 10 WIRE/ ANCHOR ASSEMBLIES SHALL BE FIELD TESTED FOR 200 LBS. IN TENSION. WHEN DRILLED-IN CONCRETE ANCHORS ARE USED FOR BRACING WIRES, 1 OUT OF 2 WIRE/ANCHOR ASSEMBLIES SHALL BE FIELD TESTED FOR 440 LBS. IN TENSION IN THE DIRECTION OF THE WIRE. PAF
- 15. CEILING FIXTURES, TERMINALS, AND DEVICES: ALL LIGHT FIXTURES, AIR TERMINALS/GRILLS, OR OTHER DEVICES (REFERRED TO ALL BY COMMON TERM FIXTURES HEREAFTER) SHALL BE MOUNTED IN A MANNER THAT WILL NOT COMPROMISE CEILING PERFORMANCE

IN CONCRETE ARE NOT PERMITTED FOR BRACING WIRES.

RUNNERS OR BY SUPPLEMENTAL FRAMING WHICH IS SUPPORTED BY MAIN RUNNERS AND POSITIVELY ATTACHED WITH SCREWS OR OTHER APPROVED CONNECTORS. SURFACE MOUNTED FIXTURES SHALL BE ATTACHED TO A MAIN RUNNER WITH A POSITIVE CLAMPING DEVICE MADE OF

ALL FIXTURES SHALL BE SUPPORTED DIRECTLY BY MAIN

- MATERIAL WITH A MINIMUM OF 14 GAGE. ROTATIONAL SPRING CLAMPS DO NOT COMPLY. ACCESS PANELS: ACCESS TO THE SPACE BETWEEN THE CEILING AND THE FLOOR OR ROOF ABOVE SHALL NOT BE ALLOWED. SMALL ACCESS PANELS FOR THE INSPECTION ADJUSTMENT, OR REPAIR OF UTILITY SWITCHES, VALVES,
- SENSORS, ETC. MAY BE ALLOWED IF THE PANEL IS LESS THAN 300 SQUARE INCHES. SUCH PANELS SHALL ALSO HAVE A PERMANENT WARNING LABEL AS FOLLOWS:
- DO NOT CLIMB, WALK, OR CRAWL ON THE GYPSUM WARNING: 1. BOARD CEILING. DO NOT STORE OR STOW ANYTHING ON THE GYPSUM BOARD CEILING.
  - ALL FIXTURES WEIGHING LESS THAN OR EQUAL TO 10 LB. SHALL HAVE ONE NO. 12 GAUGE SAFETY WIRE CONNECTED FROM FIXTURE HOUSING TO STRUCTURE ABOVE. IT IS NOT NECESSARY FOR THESE SAFETY WIRES TO BE TAUT ALL FIXTURES WEIGHING GREATER THAN 10 LB BUT LESS THAN OR EQUAL TO 56 LB SHALL HAVE TWO NO. 12 GAUGE SAFETY WIRE CONNECTED FROM FIXTURE HOUSING TO STRUCTURE ABOVE. IT IS NOT NECESSARY FOR THESE SAFETY WIRES TO
- BE TAUT. ALL FIXTURES WEIGHING GREATER THAN 56 LB SHALL BE SUPPORTED DIRECTLY FROM STRUCTURE ABOVE BY APPROVED HANGERS.
- PENDANT-HUNG FIXTURES SHALL BE SUPPORTED DIRECTLY FROM THE STRUCTURE ABOVE USING NO LESS THAN NO. 0-GAUGE WIRE OR AN APPROVED ALTERNATE SUPPORT. THE C EILING SUSPENSION SYSTEM SHALL NOT PROVIDE ANY DIRECT
- SUPPORT ALL RECESSED OR DROP-IN FIXTURES SHALL BE SUPPORTED DIRECTLY FROM FIXTURE HOUSING TO THE STRUCTURE ABOVE WITH A MINIMUM OF TWO NO. 12 GAUGE WIRES LOCATED AT DIAGONALLY OPPOSITE CORNERS. LEVELING OR POSITIONING OF FIXTURES MAY BE PROVIDED BY CEILING GRID. FIXTURE SUPPORT WIRES MAY BE SLIGHTLY LOOSE TO ALLOW THE FIXTURE TO SEAT IN THE GRID SYSTEM. FIXTURES SHALL NOT BE SUPPORTED FROM MAIN RUNNERS OR FURRING CHANNELS IF THE WEIGHT OF THE FIXTURES CAUSES TOTAL DEAD LOAD TO EXCEED THE DEFLECTION CAPABILITY OF THE CEILING SUSPENSION SYSTEM.
- CEILINGS THAT ARE PART OF A FIRE RATED ASSEMBLY: PROVIDE A DETAIL AND DESIGN NUMBER FOR RATED CEILING ASSEMBLIES FROM AN APPROVED TESTING AGENCY. THE COMPONENTS AND INSTALLATION DETAILS SHALL CONFORM IN EVERY RESPECT WITH THE LISTED DETAIL AND NUMBER. DETAILS SHALL CLEARLY DEPICT ALL COMPONENTS, INCLUDING INSULATION MATERIALS, FRAMING AND ATTACHMENT OF THE DESIGN SO THAT THE ASSEMBLY CAN BE CONSTRUCTED AND INSPECTED ACCORDINGLY. POP RIVETS, SCREWS, OR OTHER ATTACHMENTS ARE NOT ACCEPTABLE UNLESS SPECIFICALLY DETAILED ON THE DRAWINGS AND APPROVED BY APPROVED TESTING AGENCY.
- GYPSUM BOARD INSTALLATION SHALL COMPLY WITH ASTM C840-11: GYPSUM BOARD SHALL CONSIST OF SINGLE-PLY 1/2" OR 5/8"
  - THICK IN ACCORDANCE WITH ASTM C11-10a. GYPSUM BOARD SHALL BE INSTALLED PERPENDICULAR TO FURRING WITH SCREWS AT 12" OC MAXIMUM, IN
  - ACCORDANCE WITH ASTM C840-11. GYPSUM BOARD SHALL BE ATTACHED TO FURRING/FRAMING WITH ASTM C1002-07 TYPE S (ASTM A568-11b GRADES 1018 TO 1022) SCREWS (NOT LESS THAN, NO. 6, WITH MAJOR DIAMETER NOT LESS THAN 0.136 IN)

F: 619-299-5084 www.sfeirarch.com

## TCMC **EMERGENCY** DEPARTMENT

5151 Shoreham PI, Suite 100

San Diego, CA 92122

P: 619-299-3917

TRI-CITY MEDICAL CENTER 4002 VISTA WAY OCEANSIDE, CALIFORNIA 92056

TRI-CITY MEDICAL CENTER 4002 VISTA WAY OCEANSIDE, CALIFORNIA 92056 TEL(760)724-8411

ARCHITECT: SREIR ARCHITECTS ... 5151 SHOREHAM PLACE, SUITE 100 SAN DIEGO, CALIFORNIA 92122 \TEL(619)299-3917\FAX(619)299-5084\\\\

STRUCTURAL: SUN STRUCTURAL ENGINEERING, INC. 2091 LAS PALMAS DRIVE, SUITE D CARLSBAD, CALIFORNIA 92011

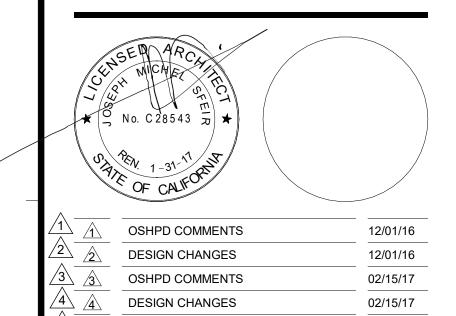
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TEL(619)618-2347 FAX(619)330-0668

08/11/17

10/30/17

TEL(760)438-1188 9665 CHESAPEAKE DRIVE, SUITE 230



OSHPD #: S162093-37-00

OSHPD COMMENTS

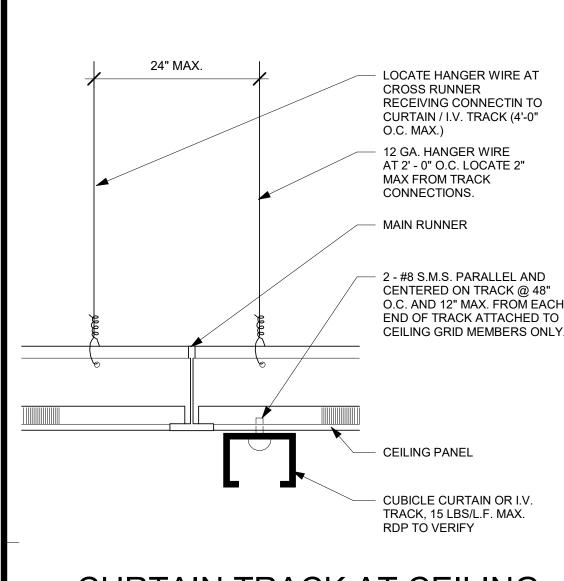
DESIGN CHANGES

REV: DESCRIPTION:

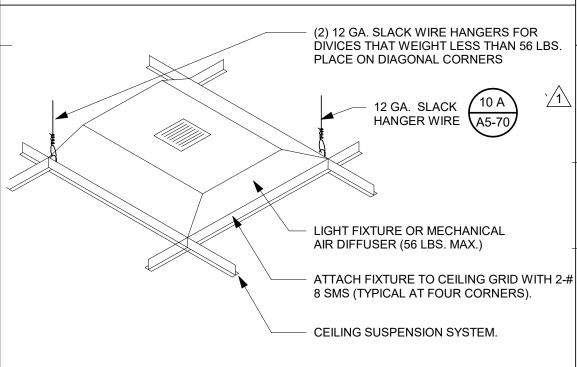
**GYPSUM CEILING DETAILS** 

TCMC EMERGENCY DEPARTMENT

PROJECT # 01593.00 CHECKED BY Checker As indicated



## **CURTAIN TRACK AT CEILING** 9 GRID 12" = 1'-0"

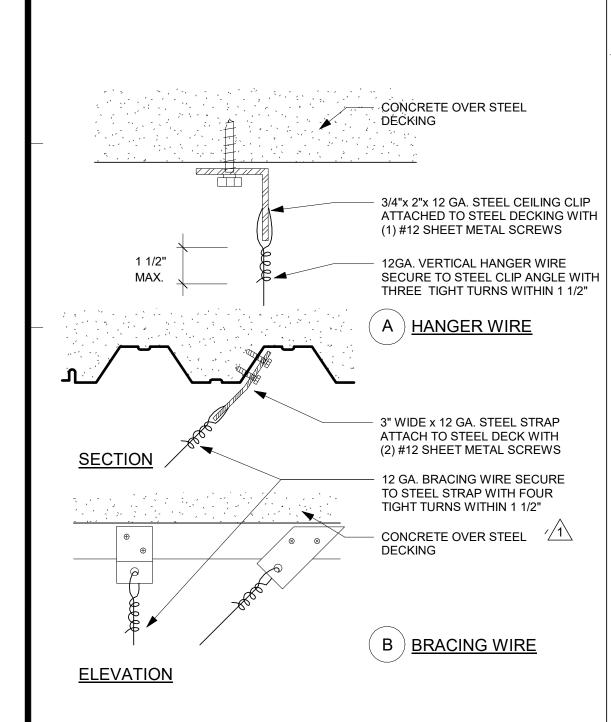


FIXTURES WEIGHING LESS THAN OR EQUAL TO 10 lbs SHALL HAVE ONE NO. 12 GA. SAFETY WIRE CONNECTED FROM FIXTURE HOUSING TO STRUCTURE ABOVE. IT IS NOT NECESSARY FOR THESE SAFETY WIRES TO BE TAUT.

FIXTURES WEIGHING GREATER THAN 10 lbs BUT LESS THAN OR EQUAL TO 56 lbs SHALL HAVE TWO NO. 12GA. SAFETY WIRE CONNECTED FROM FIXTURE HOUSING TO STRUCTURE ABOVE IT IS NOT NECESSARY FOR THESE SAFETY WIRES TO BE TAUT.

FIXTURES OVER 56 lbs. SHALL BE SUPPORTED DIRECTLY FROM STRUCTURE ABOVE BY

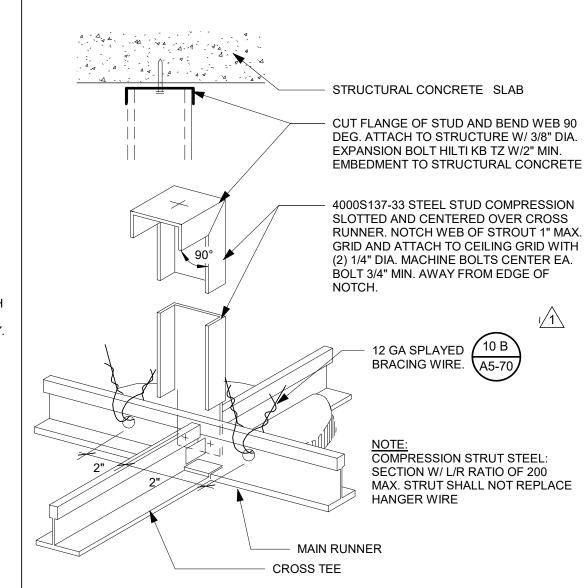
# FIXTURE SUSPENSION 12" = 1'-0"



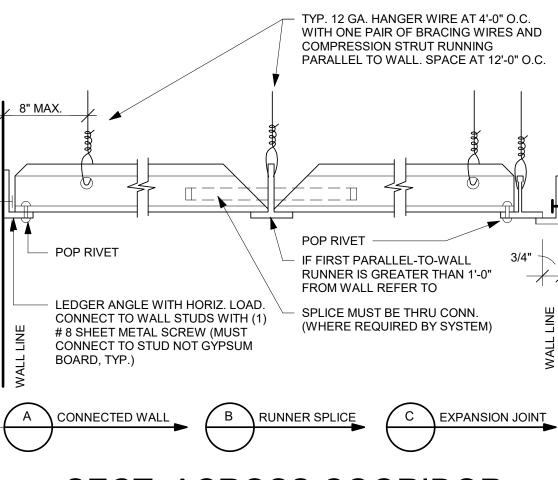
SUSPENSION WIRE

DECK

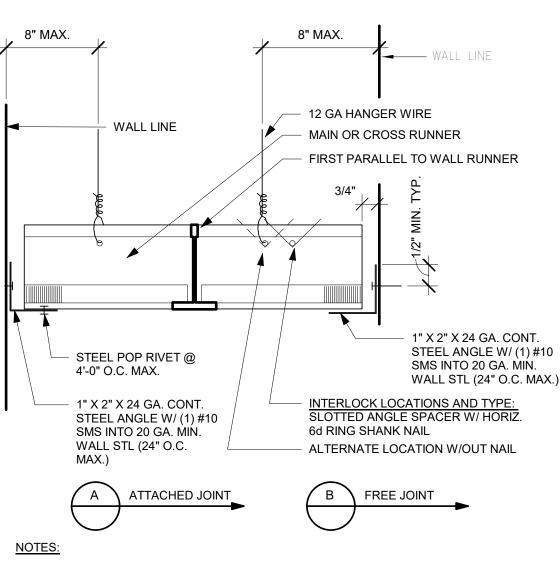
CONNECTION @ METAL



## VERTICAL COMPRESSION 8 STRUT



## SECT. ACROSS COORIDOR 6 AT EXP. JT.



PROVIDE #12 GAGE HANGER WIRES AT THE ENDS OF ALL MAIN AND CROSS RUNNERS WITHIN EIGHT (8) INCHES OF THE SUPPORT OR WITHIN ONE-FOURTH

END TEE IS EIGHT (8) INCHES OR LESS. NAILS AT ENDS OF HORIZONTAL STRUTS ARE TO BE PLACED WITH NAIL HEAD TOWARD CENTER LINE OF SPAN OF STRUT.

(1/4) OF THE LENGTH OF THE END TEE, WHICHEVER IS LESS, FOR THE PERIMETER OF

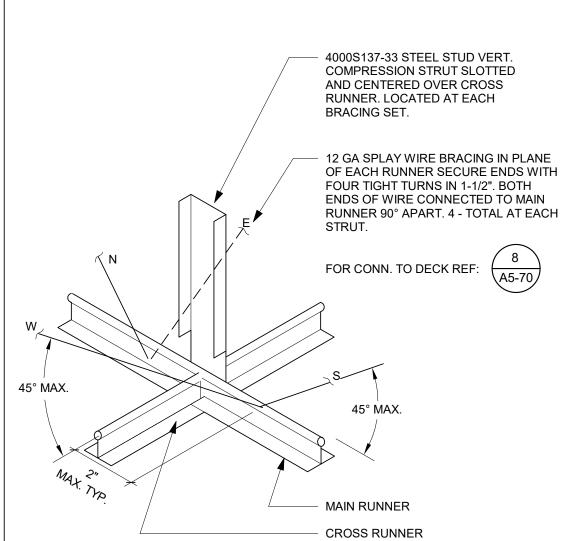
THE CEILING AREA. PERIMETER WIRES ARE NOT REQUIRED WHEN THE LENGTH OF THE

SPACERS MAY BE SLOTTED APPROVED ANGLES OR CHANNELS WITH "DIAMOND POINTS" OF SPRING STEEL WHICH SNAP TIGHT TO PREVENT MOVEMENT OF

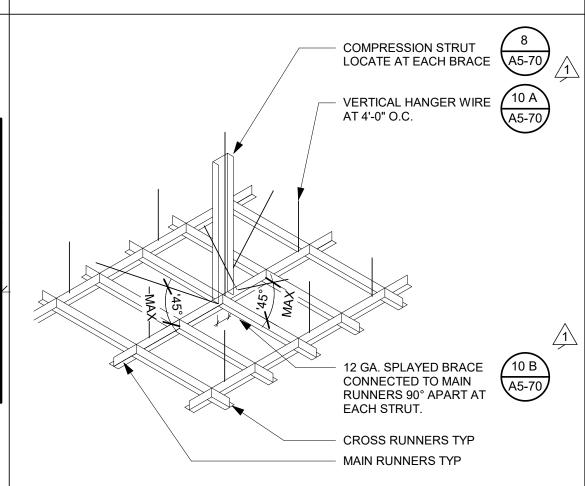
STEEL POP RIVETS SHALL HAVE MINIMUM ALLOWABLE SHEAR STRENGTH OF 120#

AND ULTIMATE SHEAR STRENGTH OF 300#.

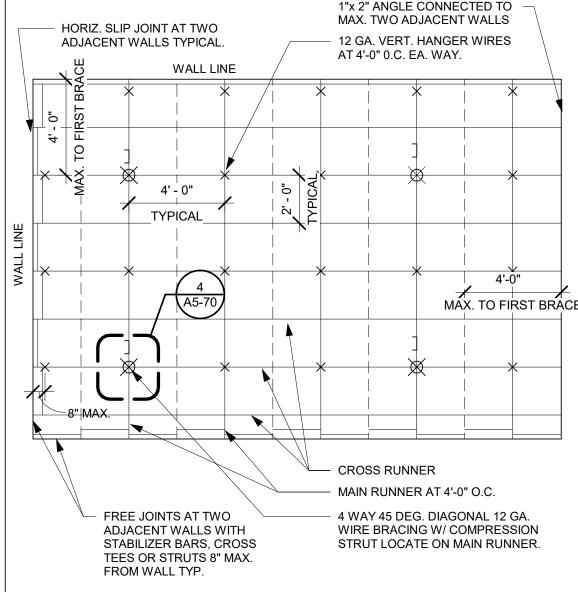
## 2 HORIZONTAL SLIP JOINT



## SWAY BRACE CONNECTION 7 - LAY IN CEILING



## **CEILING GRID ATTACHMENT** 4 - LAY IN PANEL CEILING



NOTES:

TYPICAL 2X4 LAY-IN ACOUSTIC TILE CEILING SHOWN SOLID, 2X2SHOWN DASHED. BRACING WIRES AND COMP. STRUT SHALL OCCUR AT EVERY 64 SQ. FT. MAX. (8'-0" X 8'-0" MAX.) IN ROOMS OVER 64 SQ. FT.

MAX. BRACING WIRES AND COMP. STRUT SHALL OCCUR AT EVERY 96 SQ. FT. MAX. (8'-0" X 12'-0") IN ROOMS OVER 96 SQ. FT.

MAX. BRACING WIRES AND COMP. STRUT SHALL OCCUR AT EVERY 144 SQ. FT. MAX. (12'-0" X 12'-0") IN ROOMS OVER 144 SQ. FT.

## DIAGRAMMATIC CEILING PLAN-LAY IN CEILING

#### OFMEDAL MOTEO LAVAM GENERAL NOTES LATIIN

#### **CEILING:**

CONSTRUCTION, WORKMANSHIP AND MATERIAL SHALL CONFORM TO THE 2013 CALIFORNIA BUILDING STANDARDS CODE (CBSC 2013).

THE CONTRACTOR SHALL NOTIFY OSHPD AND THE REGISTERED DESIGN PROFESSIONAL (RDP) IN RESPONSIBLE CHARGE WHERE A CONFLICT OR DISCREPANCY OCCURS BETWEEN THE CONSTRUCTION DRAWINGS AND ANY OTHER PORTION OF THE CONSTRUCTION DOCUMENTS, FIELD CONDITIONS, OR WHERE ANY CONDITIONS ARISE NOT COVERED BY THESE DOCUMENTS WHEREIN WORK WILL NOT COMPLY WITH CODE REQUIREMENTS.

THE INTENT OF THE DRAWINGS AND SPECIFICATIONS IS TO CONSTRUCT THE HOSPITAL BUILDING IN ACCORDANCE WITH THE CALIFORNIA BUILDING STANDARD CODE, 2013 (CBSC 2013), SHOULD ANY CONDITION DEVELOP NOT COVERED BY THE APPROVED CONSTRUCTION DOCUMENTS WHEREIN THE WORK WILL NOT COMPLY WITH CBSC 2013, A CHANGE ORDER DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY OSHPD BEFORE PROCEEDING

GALVANIZED METAL STUDS, TRACKS AND SHEET STEEL SHALL CONFORM TO ASTM A653-11 MATERIAL, OR OTHER EQUIVALENT ASTM LISTED MATERIALS IN SECTION A2.1 OF THE AISI SI00-07/S2-10; NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS WITH SUPPLEMENT 2, DATED 2010, WITH A MINIMUM YIELD STRENGTH OF 33 KSI FOR 43 MIL (18 GAGE) AND LIGHTER AND MINIMUM YIELD STRENGTH OF 50 KSI FOR HEAVIER GAGES. METAL STUDS AND TRACKS SHALL BE OF SIZE, THICKNESS AND SECTION PROPERTIES SHOWN ON TABLES 1-1, 1-2 AND 1-3 OF THE AISI MANUAL, COLD-FORMED STEEL DESIGN. 2008 EDITION. THE RDP IN RESPONSIBLE CHARGE SHALL OBTAIN OSHPD APPROVAL FOR ANY SUBSTITUTIONS.

ELECTRICAL METALLIC TUBE (EMT) SHALL BE ANSI C80.3/UL 797 CARBON STEEL WITH G90 GALVANIZING. EMT SHALL HAVE MINIMUM YIELD STRENGTH OF (Fy = ) 30 KSI AND MINIMUM ULTIMATE STRENGTH OF (Fu = ) 48 KSI.

SELECTED FASTENER CAPACITIES SHALL MATCH OR EXCEED THE STRENGTHS LISTED HEREIN. THE FOLLOWING REQUIREMENTS SHALL ALSO BE MET:

SHEET METAL SCREWS SHALL COMPLY WITH ASTM C 1513-10, ASME B18.6.4-98 (R2005) AND ICC-ES AC 118. PENETRATION OF SCREWS THROUGH JOINED MATERIAL SHALL NOT BE LESS THAN THREE EXPOSED THREADS.

WELDING SHALL BE IN ACCORDANCE WITH AWS D1.3 USING E60XX SERIES ELECTRODES. FIELD WELDING SHALL HAVE SPECIAL INSPECTION IN ACCORDANCE WITH 2013 CBC SECTION 1705A.2.

POST- INSTALLED ANCHORS (E.G. EXPANSION ANCHORS, SCREW ANCHORS AND POWER ACTUATED FASTENERS) SHALL HAVE SPECIAL INSPECTION AND TESTING IN ACCORDANCE WITH THE 2013 CBC SECTIONS 1705A.3 & 1913A.7. FOR QUALIFICATION, DESIGN AND USE OF POST-INSTALLED ANCHORS IN CONCRETE SEE THE 2013 CBC SECTIONS 1616A.1.19 AND 1908A.1.1. LISTING OF CURRENT ICC-ES EVALUATION REPORTS (OR REPORTS FROM OTHER TESTING AGENCIES ACCEPTABLE TO OSHPD) SHALL BE REQUIRED FOR FASTENER USED.

POWER-ACTUATED FASTENERS (PAF), POWDER DRIVEN FASTENERS (PDF), POWER DRIVEN PINS (PDP) AND SHOT PINS ALL REPRESENT THE SAME FASTENER AND WILL HEREAFTER BE REFERRED TO AS POWER ACTUATED FASTENERS (PAF). PAF'S SHALL SATISFY THE CURRENT AC70-ACCEPTANCE CRITERIA FOR FASTENERS POWER-DRIVEN INTO CONCRETE, STEEL AND MASONRY ELEMENTS AND THE 2013 CBC SECTION 1908A.1.1. LISTING OF CURRENT ICC ES EVALUATION REPORTS (OR REPORTS FROM OTHER TESTING AGENCIES ACCEPTABLE TO OSHPD) SHALL BE REQUIRED FOR FASTENERS USED

FOR PAF INSTALLED IN STEEL THE FASTENER PENETRATION SHALL HAVE THE ENTIRE POINTED END OF THE FASTENER DRIVEN THROUGH THE STEEL MEMBER, EXCEPT AS NOTED IN CURRENT REPORTS FROM TESTING AGENCIES ACCEPTABLE TO OSHPD.

#### DESIGN CRITERIA

SECTION 5.1:

BUILDING CODE: 2013 CALIFORNIA BUILDING CODE (2013 CBC), ASCE 7-10, AISI \$100-07/\$2-10, ASTM E580-11b, C635-12, AND C636-08. FOR LOAD COMBINATIONS, ALLOWABLE STRESS DESIGN SHALL BE IN ACCORDANCE WITH 2013 CBC SECTION 1605A.3.1.

FASTENER CAPACITIES TABLES WERE DEVELOPED BASED ON ICC REPORTS b. BY SEVERAL MANUFACTURERS.

FHE DESIGN ASSUMES THAT BUILDING ELEMENTS AND SUPPORTS, TO WHICH THE COMPONENTS ADDRESSED IN THIS DOCUMENT ARE ANCHORED, HAVE SUFFICIENT CAPACITY TO CARRY THE LOADS IMPOSED BY THE COMPONENTS IN COMBINATION WITH ALL OTHER LOADS. EVALUATION OF THE CAPACITY OF THESE SUPPORTING BUILDING ELEMENTS IS BEYOND THE SCOPE OF THE

DESIGN IS LIMITED TO CEILING ASSEMBLIES HAVING MAXIMUM DEAD WEIGHT OF 4 PSF, INCLUDING LIGHTING FIXTURES (LUMINERIES) AND MECHANICAL SERVICES, EACH WEIGHING LESS THAN 56 LBS AND ATTACHED TO CEILING FRAMING SYSTEM. HEAVIER SYSTEM AND THOSE SUPPORTING LATERAL FORCES FROM PARTITION WILL REQUIRE PROJECT SPECIFIC DESIGN.

THE RDP IN RESPONSIBLE CHARGE SHALL VERIFY THE FIRE RESISTANCE AND ACOUSTICAL RATINGS FOR ALL CEILING ASSEMBLIES.

"CEILING WIRE" SHALL CONFORM WITH GALVANIZED SOFT ANNEALED MILD STEEI WIRE AS DEFINED IN ASTM A641 (CLASS 1 COATING) WITH 70 KSI MINIMUM TENSILE

FOUR (4) TWISTS OF WIRE WITHIN 1.5" DEVELOPS THE ALLOWABLE LOAD FOR

THREE (3) TWISTS WITHIN 3" MAY BE USED TO DEVELOP THE MAXIMUM 50% OF ALLOWABLE LOAD

SUSPENSION SYSTEM COMPONENTS SHALL COMPLY WITH ASTM C635 AND E580

THE CEILING GRID SYSTEM SHALL BE RATED HEAVY DUTY AS DEFINED BY ASTM

HANGER AND BRACING WIRES SHALL BE #12 GAGE (0.106" DIAMETER), SOFT ANNEALED, AND GALVANIZED STEEL WIRES WITH CLASS 1 COATING. THEY MAY BE USED FOR UP TO AND INCLUDING 4'-0"x 4'-0" GRID SPACING ALONG AND

MAIN RUNNERS AND CROSS RUNNERS ALONG WITH THEIR SPLICES, INTERSECTION CONNECTORS, AND EXPANSION DEVICES SHALL BE DESIGNED AND CONSTRUCTED TO CARRY A MEAN ULTIMATE TEST LOAD OF NOT LESS THAN 180 LBS. IN

COMPRESSION & TENSION, IN ACCORDANCE WITH ASTM 580 SECTION 5.1.2.

ATTACHED TO MAIN RUNNERS. SPLICES ARE NOT PERMITTED IN ANY HANGER

11. SUSPENSION SYSTEM INSTALLATION, SHALL COMPLY WITH ASTM C636 AND E580 SECTION 5.2:

PROVIDE #12 GAGE HANGER WIRES AT THE ENDS OF ALL MAIN AND CROSS RUNNERS WITHIN EIGHT (8) INCHES OF THE SUPPORT OR WITHIN ONE-FOURTH (1/4) OF THE LENGTH OF THE END TEE, WHICHEVER IS LESS, FOR THE PERIMETER OF THE CEILING AREA. PERIMETER WIRES ARE NOT REQUIRED WHEN THE LENGTH OF THE END TEE IS EIGHT (8) INCHES OR LESS.

CEILING GRID MEMBERS SHALL BE ATTACHED TO TWO (2) ADJACENT WALLS, IN ACCORDANCE WITH ASTM E580 SECTION 5.2.3. CEILING GRID MEMBERS SHALL BE AT LEAST 3/4" INCH CLEAR OF OTHER WALLS. IF WALLS RUN DIAGONAL TO THE CEILING GRID SYSTEM RUNNERS, ONE END OF MAIN AND CROSS RUNNERS SHOULD BE FREE, AND A MINIMUM OF 3/4 INCH CLEAR OF WALL

THE WIDTH OF THE PERIMETER SUPPORTING CLOSURE ANGLE SHALL BE NOT LESS THAN TWO (2) INCHES. USE OF ANGLES WITH SMALLER WIDTHS IN CONJUNCTION WITH PERIMETER CLIPS SHALL REQUIRE AN ALTERNATE METHOD OF COMPLIANCE WITH ADEQUATE JUSTIFICATION.

AT THE PERIMETER OF THE CEILING AREA WHERE MAIN OR CROSS RUNNERS ARE NOT CONNECTED TO THE ADJACENT WALL, PROVIDE INTERCONNECTION BETWEEN THE RUNNERS AT THE FREE END TO PREVENT LATERAL SPREADING. A METAL STRUT OR A #16 GAGE WIRE WITH A POSITIVE MECHANICAL CONNECTION TO RUNNER MAY BE USED. WHERE THE PERPENDICULAR DISTANCE FROM THE WALL TO THE FIRST PARALLEL RUNNER IS EIGHT (8) INCHES OR LESS, THIS INTERCONNECTION IS NOT REQUIRED.

12. EXPANSION JOINTS, SEISMIC SEPARATIONS, AND PENETRATIONS

EXPANSION JOINTS SHALL BE PROVIDED IN THE CEILING AT INTERSECTIONS OF CORRIDORS AND AT JUNCTIONS OF CORRIDORS WITH LOBBIES OR OTHER SIMILAR AREAS.

FOR CEILING AREAS EXCEEDING 2500 SQUARE FEET, A SEISMIC SEPARATION JOINT SHALL BE PROVIDED TO DIVIDE THE CEILING INTO AREAS NOT EXCEEDING 2500 SQ. FT.

PENETRATIONS THROUGH THE CEILING FOR SPRINKLER HEADS AND OTHER SIMILAR DEVICES THAT ARE NOT INTEGRALLY TIED TO THE CEILING SYSTEM IN THE LATERAL DIRECTION SHALL HAVE A TWO (2) INCH OVERSIZED RING, SLEEVE OR ADAPTER THROUGH THE CEILING TILE TO ALLOW FREE MOVEMENT OF ONE (1) INCH IN ALL HORIZONTAL DIRECTIONS. A FLEXIBLE SPRINKLER HOSE FITTING THAT CAN ACCOMMODATE ONE (1) INCH OF CEILING MOVEMENT SHALL BE PERMITTED TO BE USED IN LIEU OF THE OVERSIZED RING, SLEEVE OR ADAPTER. SUCH FLEXIBLE SPRINKLER HOSE SHALL BE ADEQUATELY SUPPORTED FROM SOFFIT SO AS NOT TO EXCEED THE MAXIMUM TRIBUTARY WEIGHT OF THE CEILING.

#### LATERAL FORCE BRACING:

LATERAL FORCE BRACING IS REQUIRED IN ACCORDANCE WITH THIS SECTION FOR ALL CEILING AREAS, UON.

EXCEPTION: LATERAL FORCE BRACING MAY BE OMITTED FOR SUSPENDED ACOUSTICAL CEILING SYSTEMS WITH A CEILING AREA OF 144 SQ. FT. OR LESS, WHEN PERIMETER SUPPORT IN ACCORDANCE WITH ASTM E580 ARE PROVIDED AND PERIMETER WALLS ARE DESIGNED TO CARRY THE CEILING LATERAL

PROVIDE LATERAL-FORCE BRACING ASSEMBLIES CONSISTING OF A STRUT AND FOUR (4) #12 GAGE BRACING WIRES ORIENTED 90 DEGREES FROM EACH

LATERAL-FORCE BRACING ASSEMBLIES SHALL BE SPACED IN ACCORDANCE WITH DETAILS 1 & 2/A5-70. FROM EACH WALL AND AT THE EDGES OF ANY CHANGE OF ELEVATION OF THE CEILING.

THE SLOPE OF BRACING WIRES MAY BE FROM 10 TO 45 DEGREES BUT MAY NOT EXCEED 45 DEGREES FROM THE PLANE OF THE CEILING AND WIRES

STRUTS SHALL BE ADEQUATE TO RESIST THE VERTICAL COMPONENT INDUCED BY THE BRACING WIRES, AND SHALL NOT BE MORE THAN 1 (HORIZONTAL) IN 6 (VERTICAL) OUT OF PLUMB.

14. ATTACHMENT OF HANGER AND BRACING WIRES:

FASTEN #12 HANGER WIRES WITH NOT LESS THAN THREE (3) TIGHT TURN IN INCHES. HANGER WIRE LOOPS SHALL BE TIGHTLY WRAPPED AND SHARPLY BENT TO PREVENT ANY VERTICAL MOVEMENT OR ROTATION OF THE MEMBER WITHIN THE LOOPS.

FASTEN #12 BRACING WIRES WITH FOUR (4) TIGHT TURNS. MAKE ALL TIGHT TURNS WITHIN A DISTANCE OF 1 1/2" INCHES.

HANGER OR BRACING WIRE ANCHORED TO THE STRUCTURE SHOULD BE INSTALLED IN SUCH A MANNER THAT THE DIRECTION OF THE ANCHOR ALIGNS

AS CLOSELY AS POSSIBLE WITH THE DIRECTION OF THE WIRE. SEPARATE ALL CEILING HANGER AND BRACING WIRES AT LEAST SIX (6)

HANGER WIRES SHALL NOT BE ATTACHED TO OR BEND AROUND INTERFERING MATERIAL OR EQUIPMENT. PROVIDE TRAPEZE OR OTHER SUPPLEMENTARY SUPPORT MEMBERS AT OBSTRUCTIONS TO TYPICAL HANGER SPACING. PROVIDE ADDITIONAL HANGERS, STRUTS OR BRACES AS REQUIRED AT ALL CEILING BREAKS, SOFFITS, OR DISCONTINUOUS AREAS.

INCHES FROM ALL UNBRACED DUCTS, PIPES CONDUITS, ETC.

HANGER WIRES THAT ARE MORE THAN 1 (HORIZONTAL) IN 6 (VERTICAL) OUT OF PLUMB SHALL REQUIRE PROJECT SPECIFIC DESIGN

9. WHEN DRILLED-IN CONCRETE ANCHORS OR PAF ARE USED IN REINFORCED CONCRETE FOR HANGER WIRES, 1 OUT OF 10 WIRE/ ANCHOR ASSEMBLIES SHALL BE FIELD TESTED FOR 200 LBS. IN TENSION. WHEN DRILLED-IN CONCRETE ANCHORS ARE USED FOR BRACING WIRES, 1 OUT OF 2 WIRE/ANCHOR ASSEMBLIES SHALL BEFIELD TESTED FOR 440 LBS.

15. CEILING FIXTURES, TERMINALS, AND DEVICES:

CEILING PANELS SHALL NOT SUPPORT ANY LIGHT FIXTURES, AIR TERMINALS/GRILLS, OR OTHER DEVICES (REFERRED TO ALL BY COMMON TERM FIXTURES HERE AFTER).

ALL FIXTURES SHALL BE MOUNTED IN A MANNER THAT WILL NOT COMPROMISE CEILING PERFORMANCE.

ALL FIXTURES SHALL BE ATTACHED TO THE SUSPENDED CEILING SYSTEM BY MECHANICAL MEANS, UNLESS INDEPENDENTLY SUPPORTED. THE ATTACHMENT DEVICE SHALL HAVE THE CAPACITY OF 100% OF FIXTURE WEIGHT ACTING IN ANY DIRECTION. A MINIMUM OF TWO ATTACHMENT DEVICES ARE REQUIRED FOR EACH FIXTURE.

SURFACE MOUNTED FIXTURES SHALL BE ATTACHED TO THE MAIN RUNNER WITH POSITIVE CLAMPING DEVICES MADE OF MATERIAL WITH A MINIMUM 14 GAGE. A NO.12 GAUGE SAFETY WIRES SHALL BE ATTACHED BETWEEN THE CLAMPING DEVICE AND TO THE STRUCTURE ABOVE. IN NO CASE SHALL THE FIXTURES EXCEED THE DESIGN CAPACITY OF THE SUPPORTING MEMBERS.

ALL FIXTURES WEIGHING LESS THAN OR EQUAL TO 10 LB. SHALL HAVE ONE NO. 12 GAUGE SAFETY WIRE CONNECTED FROM FIXTURE HOUSING TO STRUCTURE ABOVE. IT IS NOT NECESSARY FOR THESE SAFETY WIRES

ALL FIXTURES WEIGHING GREATER THAN 10 LB BUT LESS THAN OR EQUAL TO 56 LB. SHALL HAVE TWO NO. 12 GAUGE SAFETY WIRE CONNECTED FROM FIXTURE HOUSING TO STRUCTURE ABOVE. IT IS NOT NECESSARY FOR THESE SAFETY WIRES TO BE TAUT.

ALL FIXTURES WEIGHING GREATER THAN 56 LB. SHALL BE SUPPORTED DIRECTLY FROM STRUCTURE ABOVE BY APPROVED HANGERS.

PENDENT-HUNG FIXTURES SHALL BE SUPPORTED DIRECTLY FROM THE STRUCTURE ABOVE USING NO LESS THAN NO. 9-GAUGE WIRE OR AN APPROVED ALTERNATE SUPPORT. THE CEILING SUSPENSION SYSTEM SHALL NOT PROVIDE ANY DIRECT SUPPORT.

ALL RECESSED OR DROP-IN FIXTURES SHALL BE SUPPORTED DIRECTLY FROM FIXTURE HOUSING TO THE STRUCTURE ABOVE WITH A MINIMUM OF TWO NO. 12 GAUGE WIRES LOCATED AT DIAGONALLY OPPOSITE CORNERS. LEVELING OR POSITIONING OF FIXTURES MAY BE PROVIDED BY CEILING GRID. FIXTURE SUPPORT WIRES MAY BE SLIGHTLY LOOSE TO ALLOW THE FIXTURE TO SEAT IN THE GRID SYSTEM. FIXTURES SHALL NOT BE SUPPORTED FROM MAIN RUNNERS OR CROSS RUNNERS IF THE WEIGHT OF THE FIXTURES CAUSES TOTAL DEAD LOAD TO EXCEED THE DEFLECTION CAPABILITY OF THE CEILING SUSPENSION SYSTEM.

16. ADDITIONAL REQUIREMENTS

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CEILINGS THAT ARE PART OF A FIRE RATED ASSEMBLY: PROVIDE A DETAIL AND DESIGN NUMBER FOR RATED CEILING ASSEMBLIES FROM AN APPROVED TESTING AGENCY. THE COMPONENTS AND INSTALLATION DETAILS CONFORM IN EVERY RESPECT WITH THE LISTED DETAIL AND NUMBER. DETAILS SHALL CLEARLY DEPICT ALL COMPONENTS, INCLUDING INSULATION MATERIALS, FRAMING AND ATTACHMENT OF THE DESIGN SO THAT THE ASSEMBLY CAN BE CONSTRUCTED AND INSPECTED ACCORDINGLY, POP RIVETS, SCREWS, OR OTHER ATTACHMENTS ARE NOT ACCEPTABLE UNLESS SPECIFICALLY DETAILED ON THE DRAWINGS AND APPROVED BY APPROVED TESTING AGENCY.

METAL AND OTHER PANELS: METAL PANELS AND PANELS WEIGHING MORE THAN 1/2 PSF, OTHER THAN MINERAL FIBER ACOUSTICAL TILE, ARE TO BE POSITIVELY ATTACHED TO THE CEILING SUSPENSION

BUILDING EXIT WAYS: CEILINGS IN EXIT WAYS SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 13.5.6.2.2(1) OF ASCE 7-10 AS AMENDED BY 2013 CBC SECTION 1616A.1.20. SPLICES OR INTERSECTION OF RUNNERS SHALL BE ATTACHED WITH THROUGH CONNECTORS SUCH AS POP RIVETS, SCREWS, PINS, SYSTEM,

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## TCMC **EMERGENCY** DEPARTMENT

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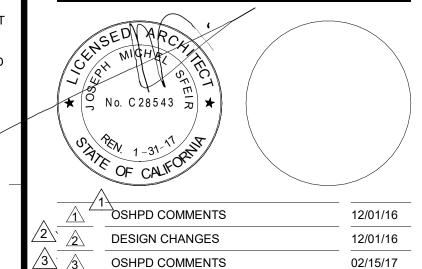
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<del>meneral management</del>

02/15/17

08/11/17

10/30/17

OSHPD #: S162093-37-00

DESIGN CHANGES

OSHPD COMMENTS

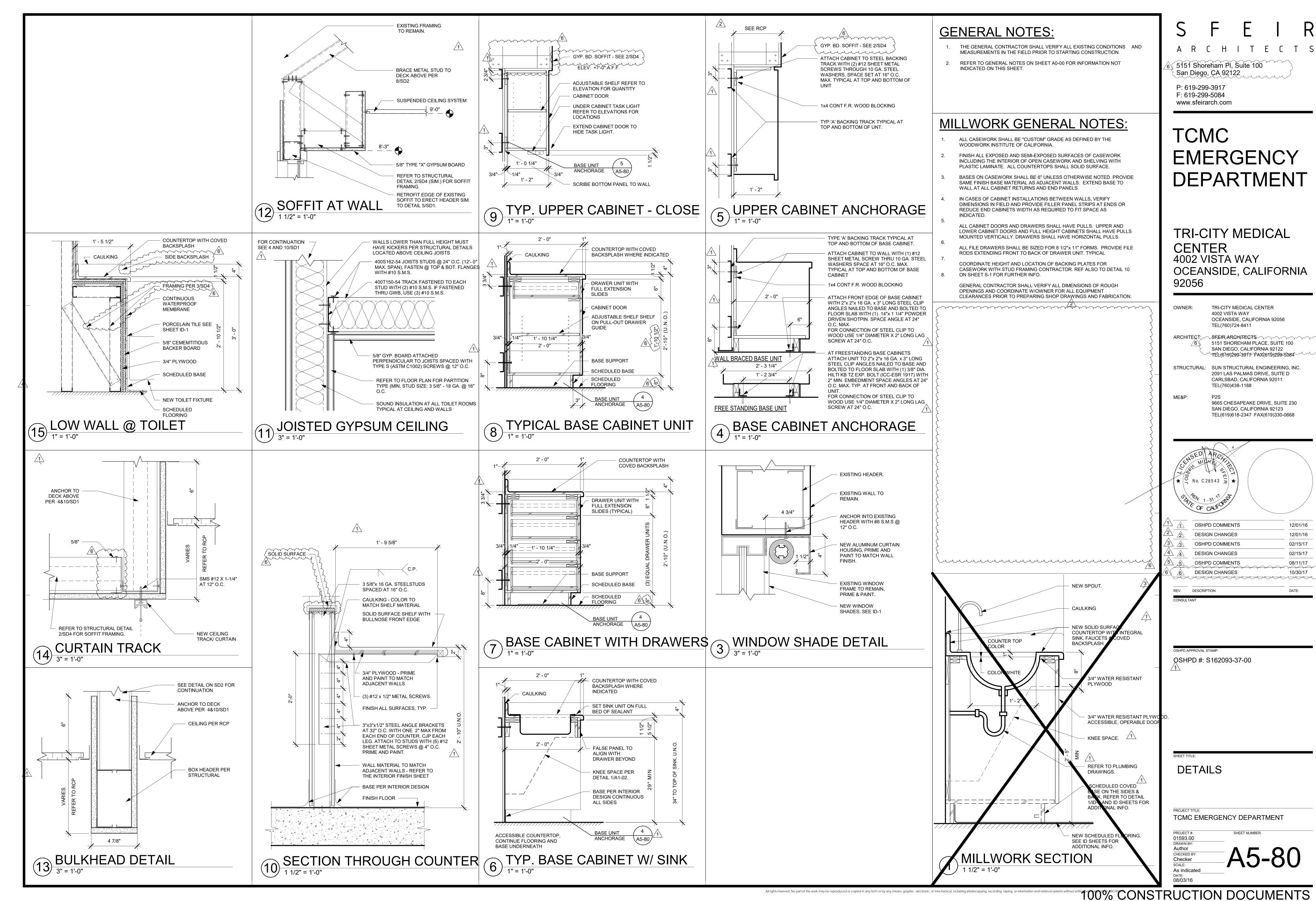
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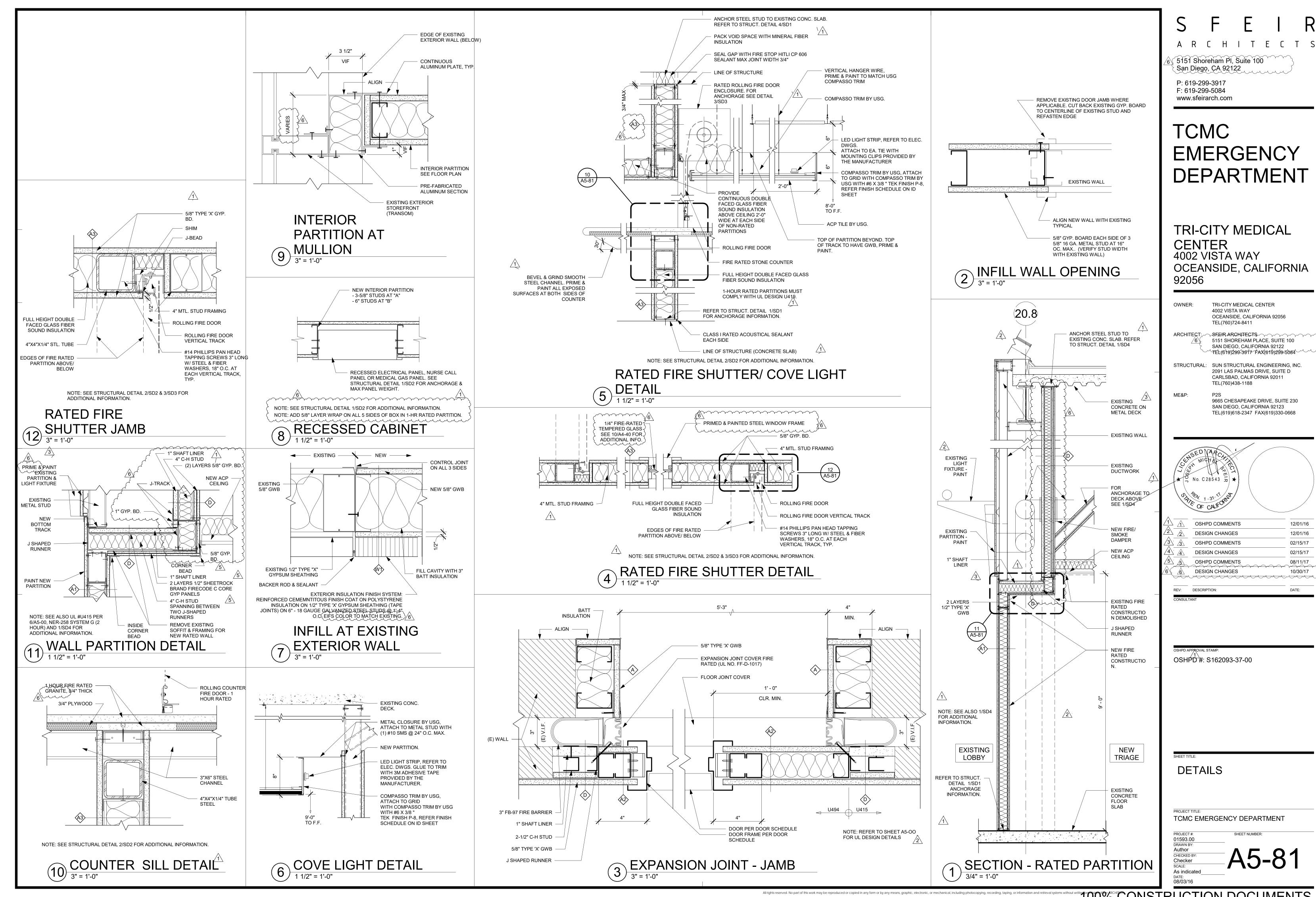
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LAY IN CEILING DETAILS

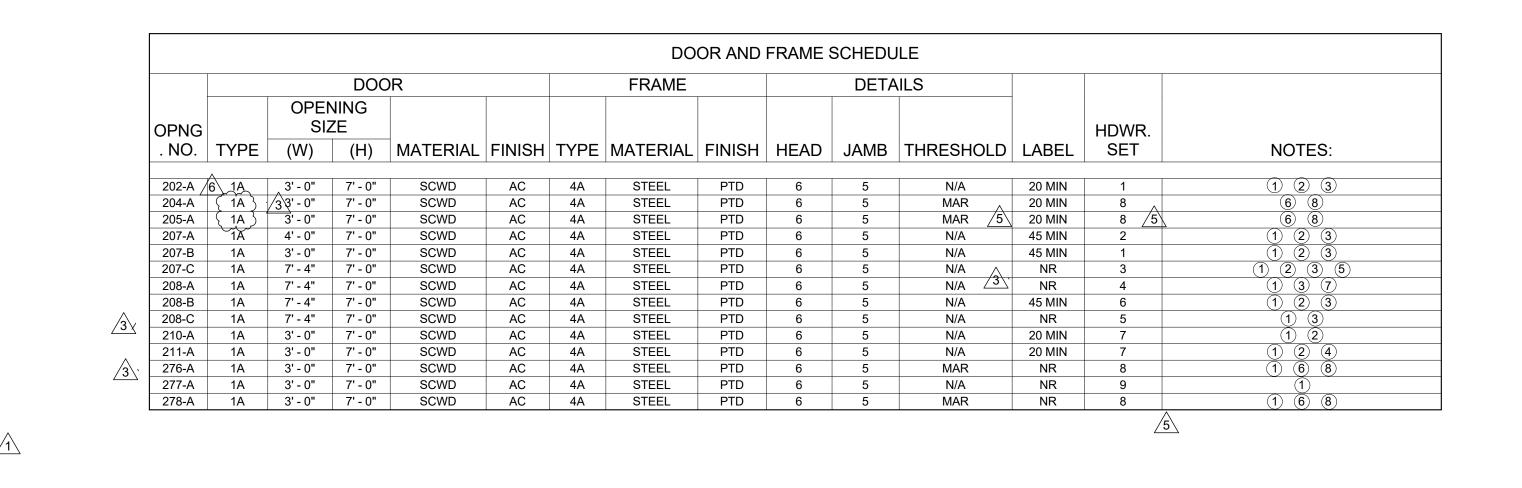
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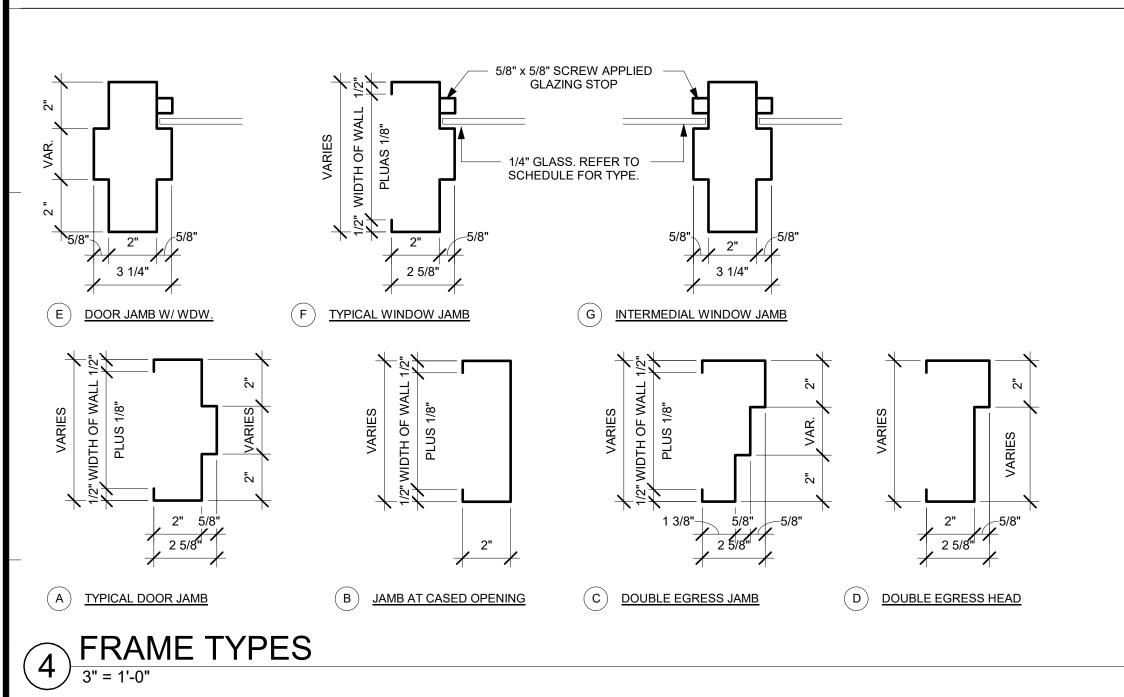
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TOO TOO TOO DOCUMENTS





- CUT AT 45° AND

DOOR FRAME

FACE OF DOOR

SANITARY HOSPITAL STOP

THIS SHEET

(C) STEEL GLASS STOP

DOOR DETAILS

12" = 1'-0"

FINISHED FLOOR

"ANEMOSTAT" BFL-123

PAINTED STEEL WINDOW

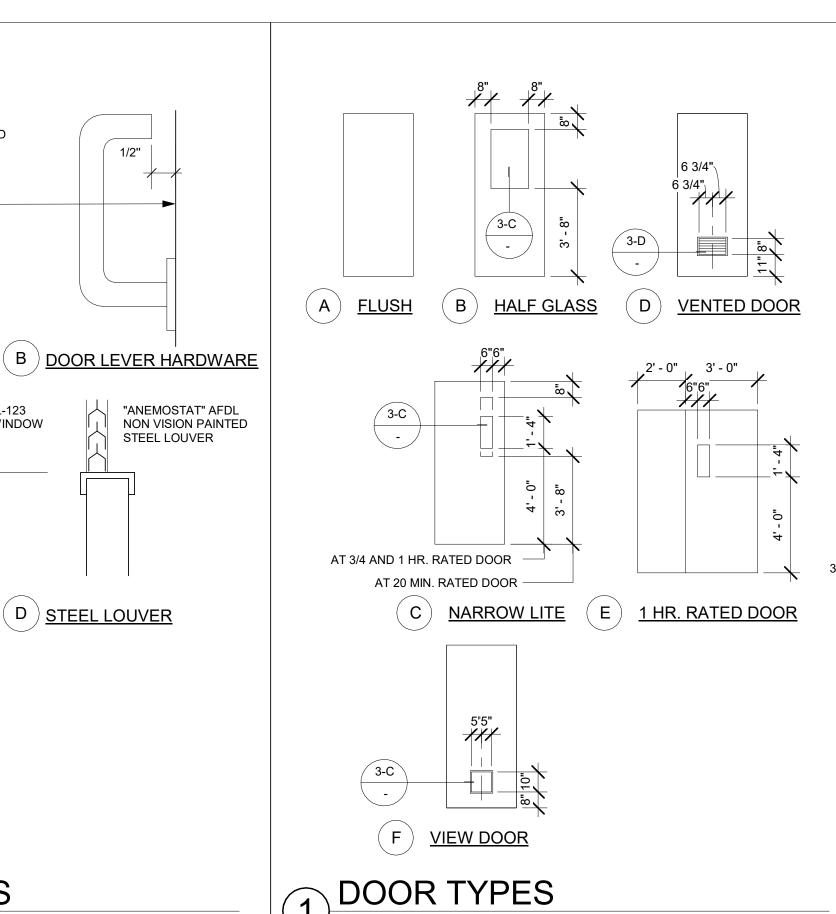
WELD END CLOSED

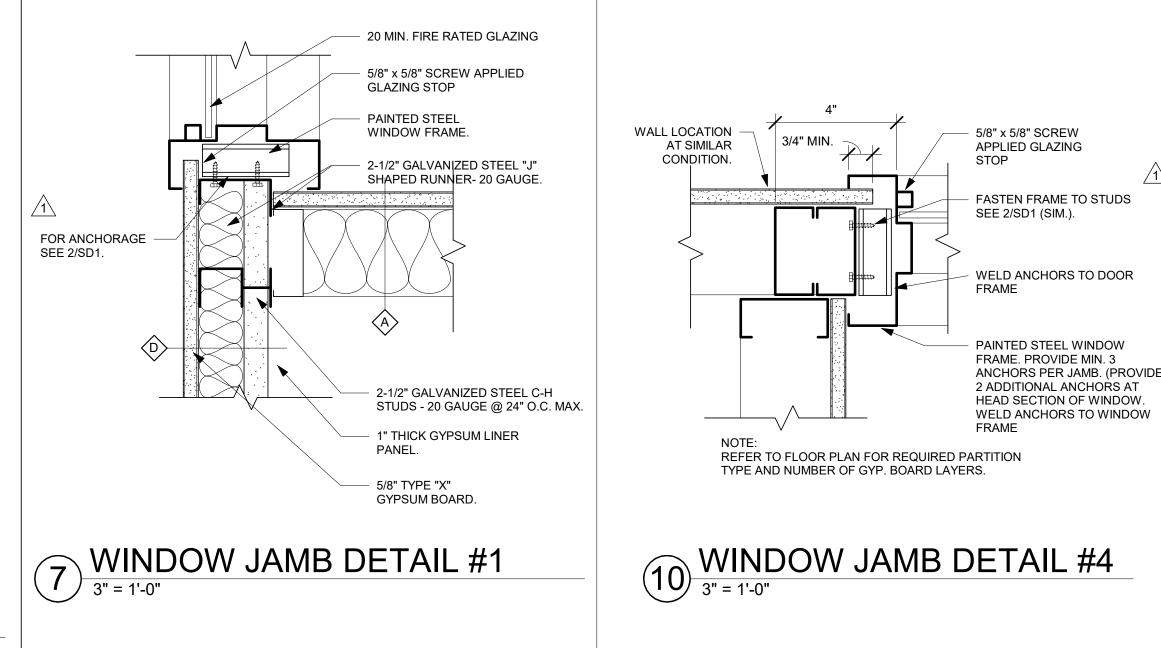
1/2"

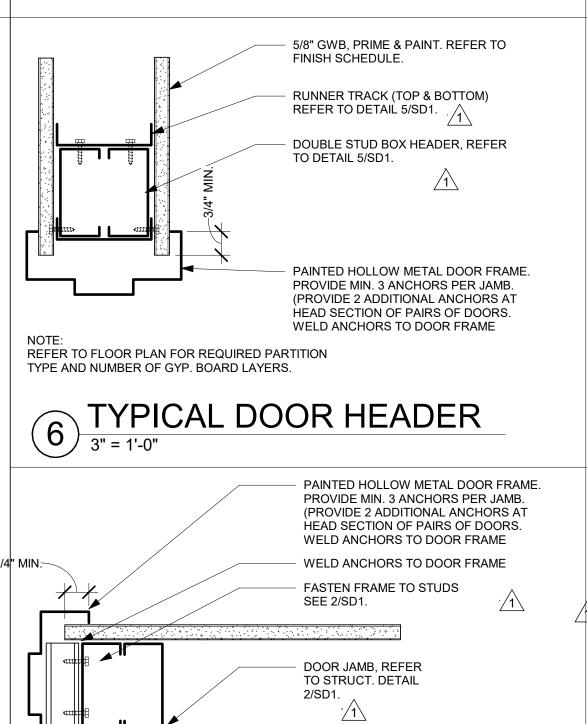
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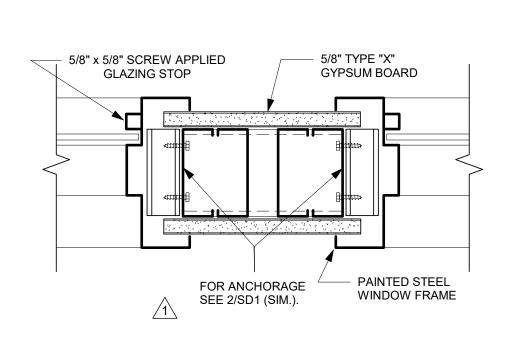
WALL LOCATION AT SIMILAR

CONDITION.

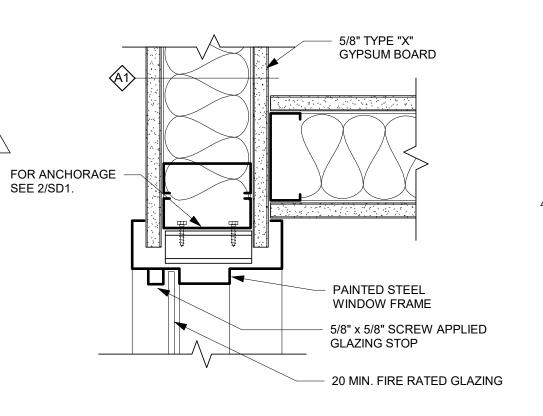
REFER TO FLOOR PLAN FOR REQUIRED PARTITION

TYPICAL DOOR JAMB
3" = 1'-0"

TYPE AND NUMBER OF GYP. BOARD LAYERS.



# 9 WINDOW JAMB DETAIL #3



8 WINDOW JAMB DETAIL #2

## DOOR SCHEDULE GENERAL NOTES:

- PROVIDE SANITARY "HOSPITAL STOPS" AT ALL NON-RATED INTERIOR DOOR
- GLAZED OPENINGS IN 20 AND 45 MINUTE ASSEMBLIES SHALL NOT EXCEED 1296 SQ. INCHES AND SHALL BE GLAZED WITH 1/4" WIRE GLASS SET IN PAINTED
- GLAZED OPENINGS IN 60 AND 90 MINUTE ASSEMBLIES SHALL NOT EXCEED 100 SQ. INCHES AND SHALL BE GLAZED WITH 1/4" WIRE GLASS SET IN PAINTED
- FRAMES OF GLAZED OPENINGS IN DOORS SHALL BE PRIMED AND PAINTED TO MATCH DOOR FRAMES.
- CENTER OF DOOR HINGE PIVOT SHALL BE LOCATED AT 4" FROM ADJACENT

#### **DOOR SCHEDULE KEYNOTES:**

- (1) KICK PLATE
- DOOR SHALL BEAR 'S' LABEL
- INTEGRATED STAINLESS STEEL RADIUSED EDGE GUARDS WRAP AROUND BOTH DOOR STILES.
- FIRE RATED TEMPERED GLASS.
- USE ACROVYN DOOR ASTRAGAL.
- PROVIDE SIGNAGE ON DOOR PER 24/A1-02.
- ADD ALARM WHEN THE DOOR OPENS. ALARM WILL BE SILENCED AND/ OR DISABLED FROM ANY OF THE FOUR REGISTRATION BOOTHS.
- 8 PROVIDE 3/4" UNDERCUT

### **DOOR SCHEDULE FINISH LEGEND:**

SCWD SOLID CORE WOOD DOOR PLASTIC LAMINATE PTD PAINTED AC ACROVYN

ST STAINED, MATCH EXISTING NR NOT RATED BAST BALISTIC STEEL MAR MARBLE

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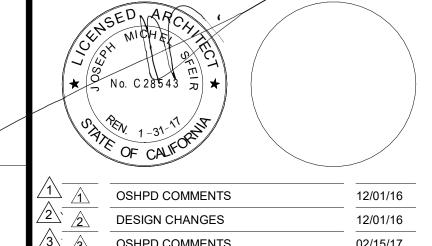
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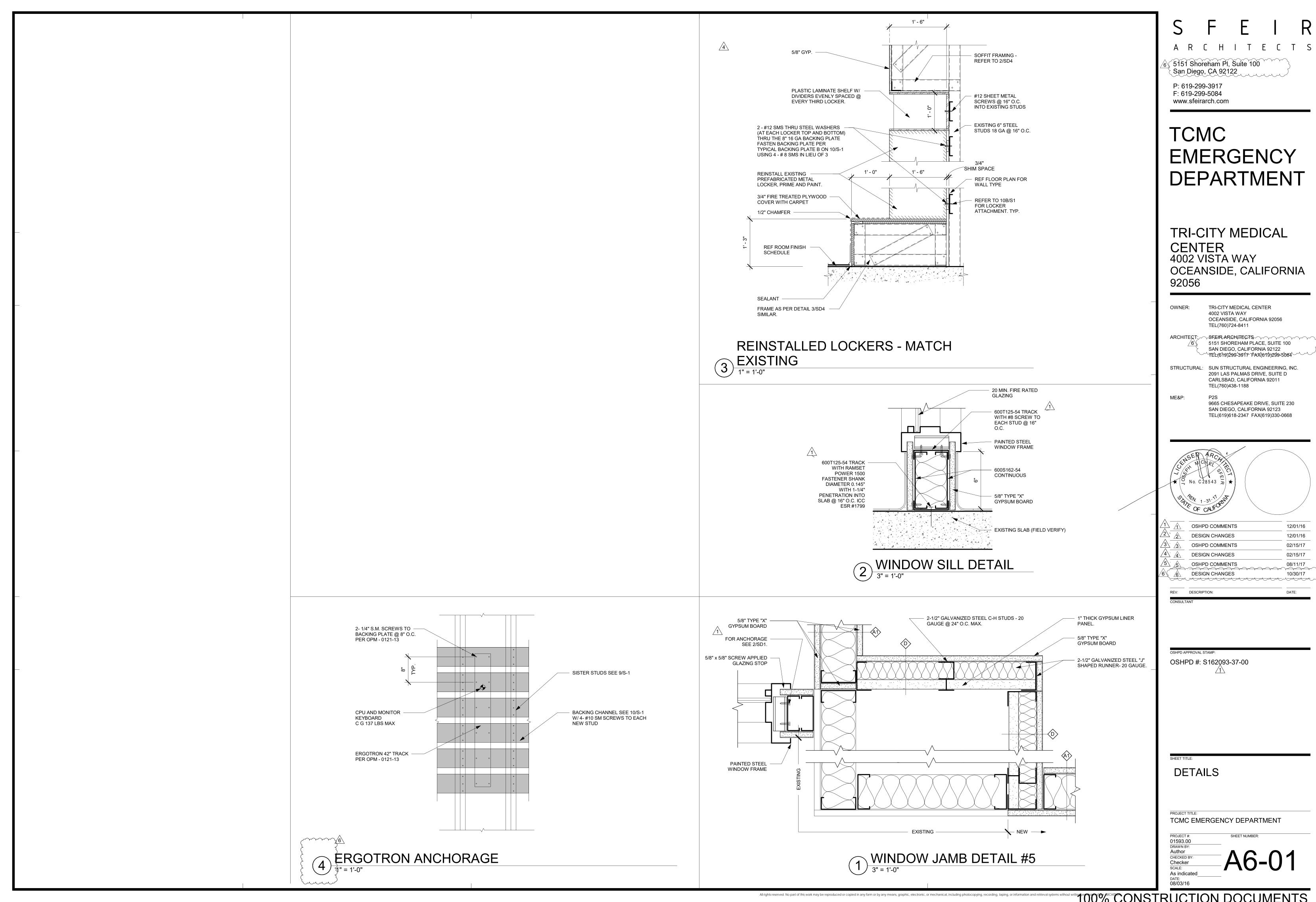
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DOOR AND INTERIOR **OPENINGS SCHEDULE** 

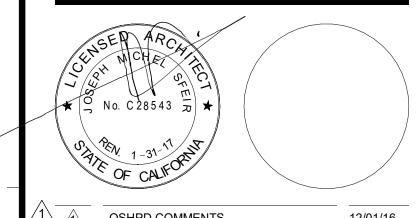
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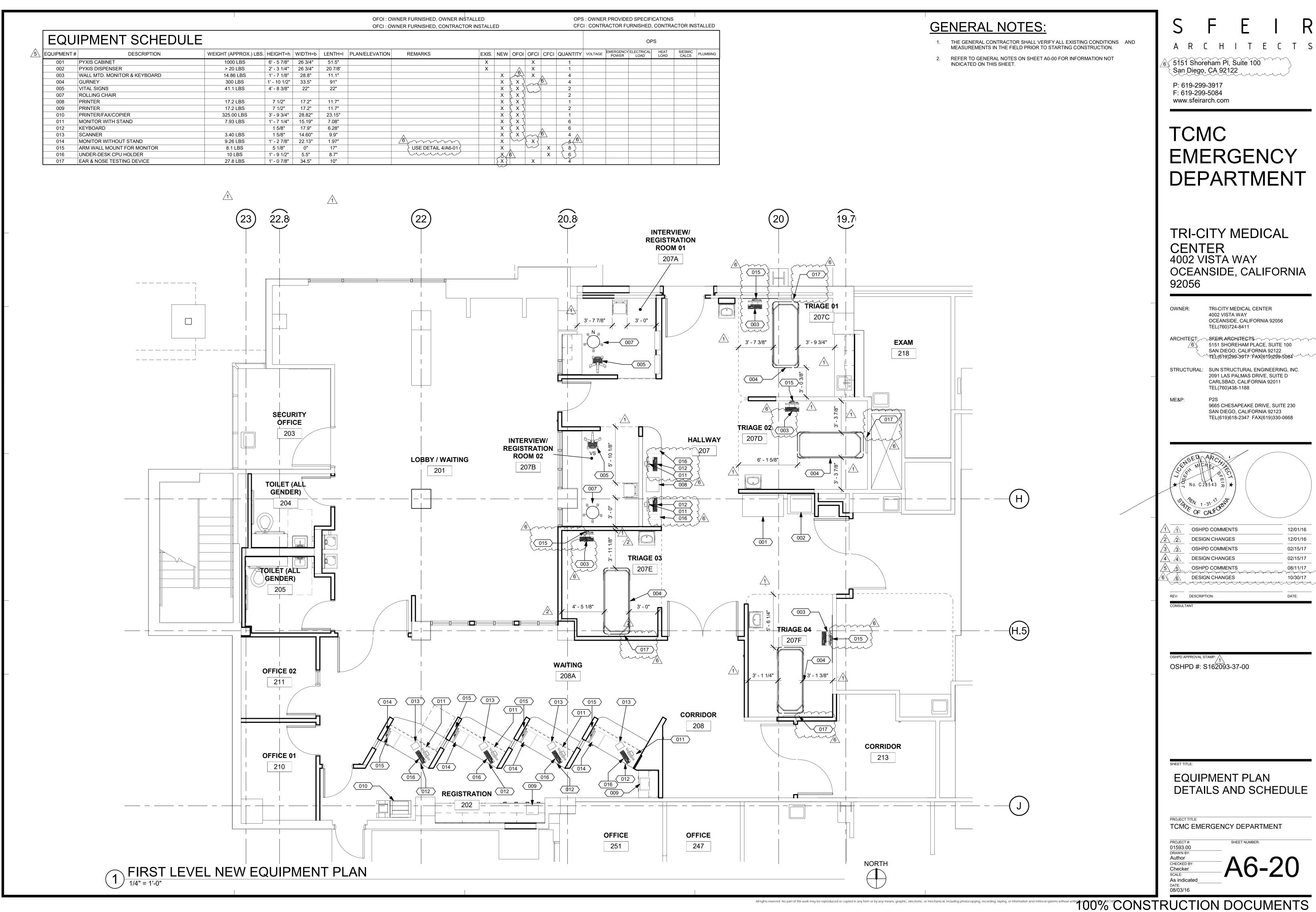


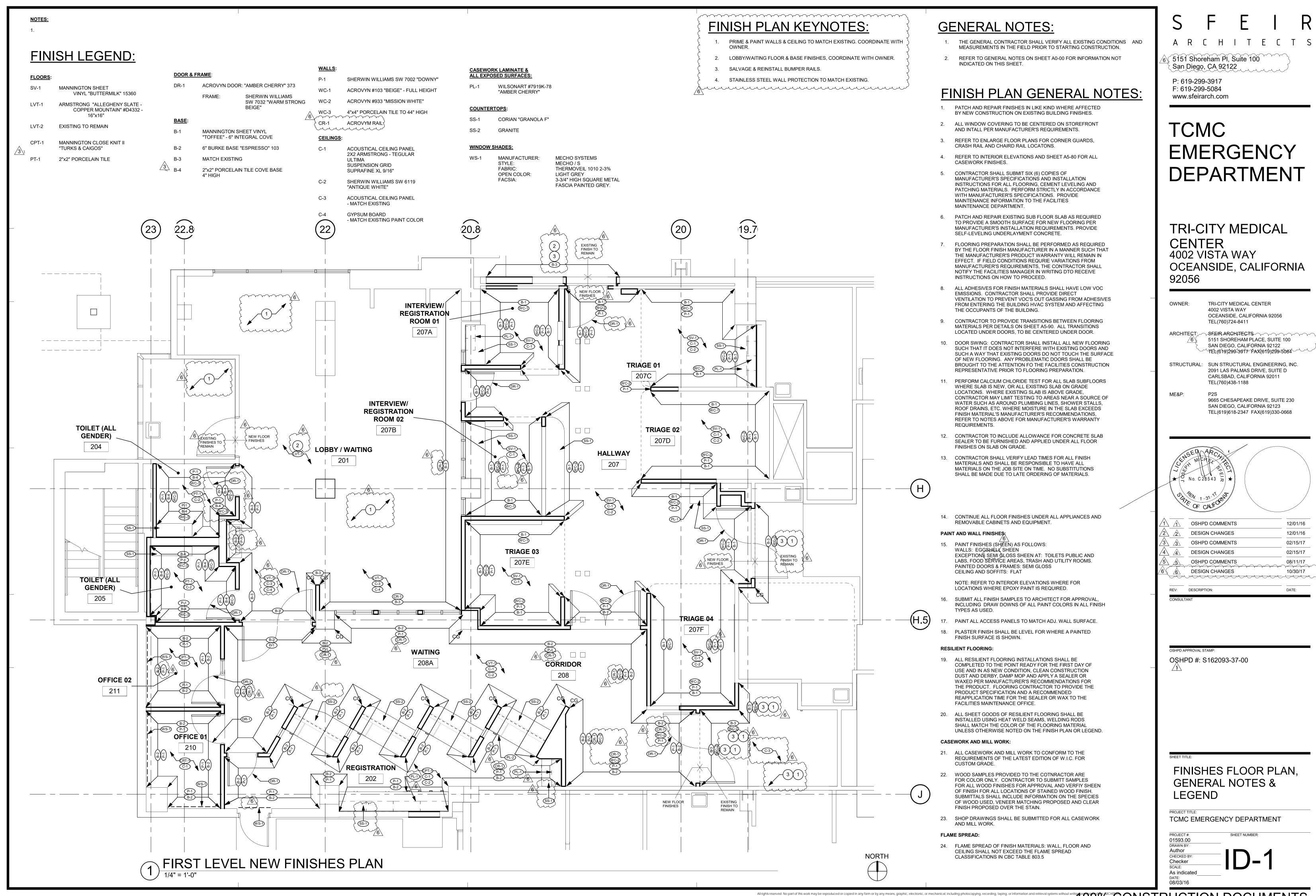
100% CONSTRUCTION DOCUMENTS

OCEANSIDE, CALIFORNIA

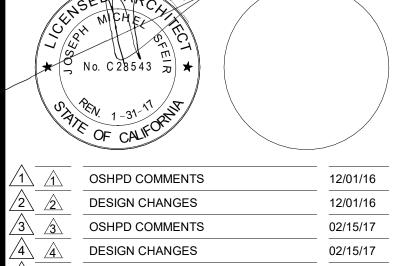


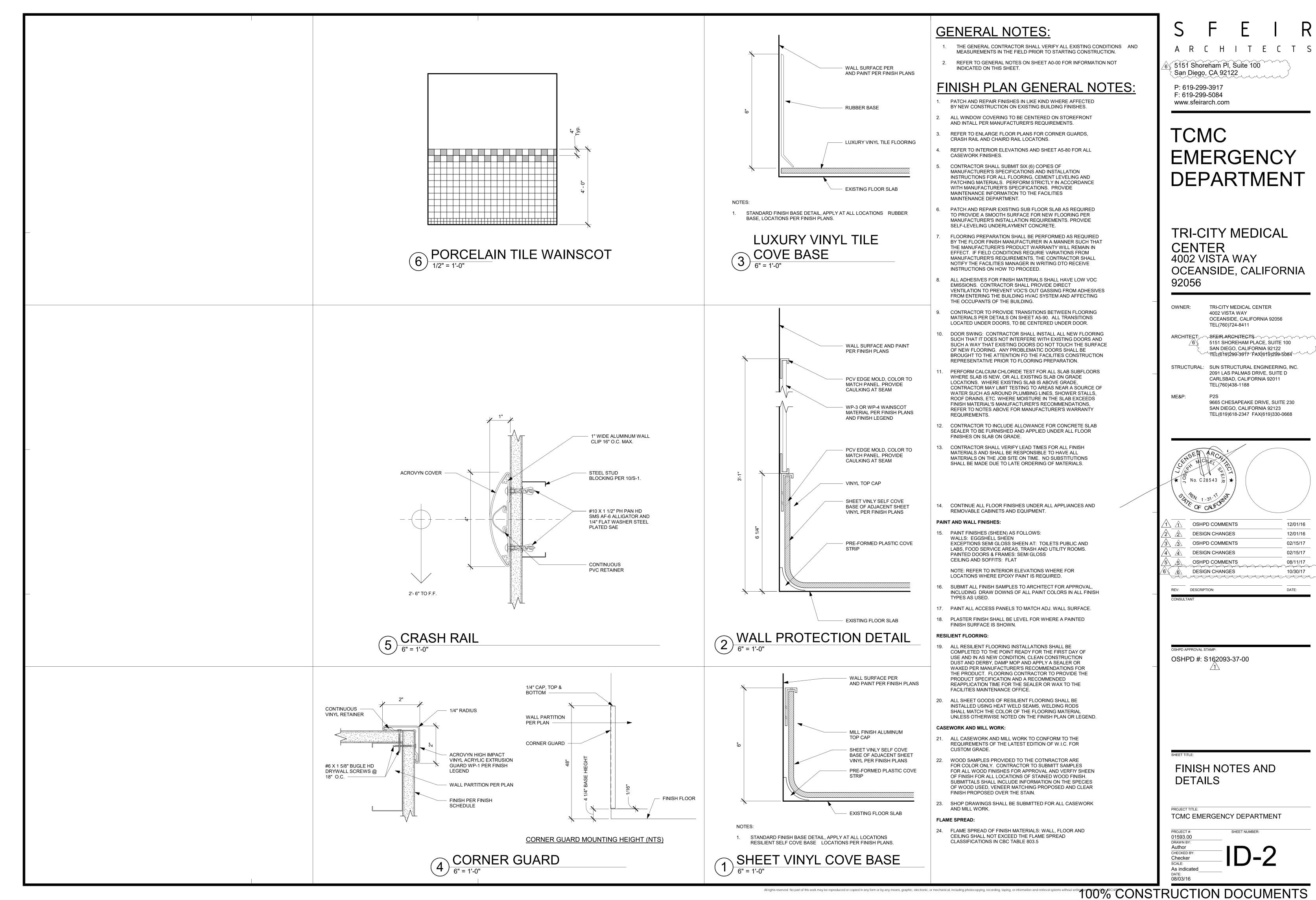
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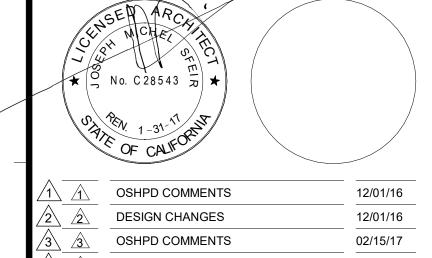




OCEANSIDE, CALIFORNIA







#### NOTES:

#### FINISH LEGEND:

FLOORS:	
SV-1	MANNINGTON SHEET VINYL "BUTTERMILK" 15360
LVT-1	ARMSTRONG "ALLEGHENY SLATE - COPPER MOUNTAIN" #D4332 - 16"x16"
LVT-2	EXISTING TO REMAIN
CPT-1	MANNINGTON CLOSE KNIT II "TURKS & CAIGOS"

2"x2" PORCELAIN TILE

D00D 4 FD			WALLS:	
DOOR & FR	<u>(AME</u> :		P-1	SHERWIN WILLIAMS SW 7002 "DO
DR-1	ACROVYN DOOR:	"AMBER CHERRY" 373	WC-1	ACROVYN #103 "BEIGE" - FULL HE
	FRAME:	SHERWIN WILLIAMS SW 7032 "WARM STRONG BEIGE"	G WC-2	ACROVYN #933 "MISSION WHITE"
		DEIGE	% WC-3	4"x4" PORCELAIN TILE TO 44" HIGH
BASE:			CR-1	ACROVYM RAIL
B-1	MANNINGTON SH "TOFFEE" - 6" INTE		CEILINGS:	

6" BURKE BASE "ESPRESSO" 103

2"x2" PORCELAIN TILE COVE BASE

MATCH EXISTING

WC-3 CR-1	4"x4" PORCELAIN TILE TO 44  ACROVYM RAIL
CEILINGS	:
C-1	ACOUSTICAL CEILING PANE 2X2 ARMSTRONG - TEGULAF ULTIMA SUSPENSION GRID SUPRAFINE XL 9/16"
C-2	SHERWIN WILLIAMS SW 611 "ANTIQUE WHITE"

ACOUSTICAL CEILING PANEL

- MATCH EXISTING PAINT COLOR

- MATCH EXISTING

GYPSUM BOARD

#### CASEWORK LAMINATE & ALL EXPOSED SURFACES: WILSONART #7919K-78 "AMBER CHERRY"

#### **COUNTERTOPS**: CORIAN "GRANOLA F"

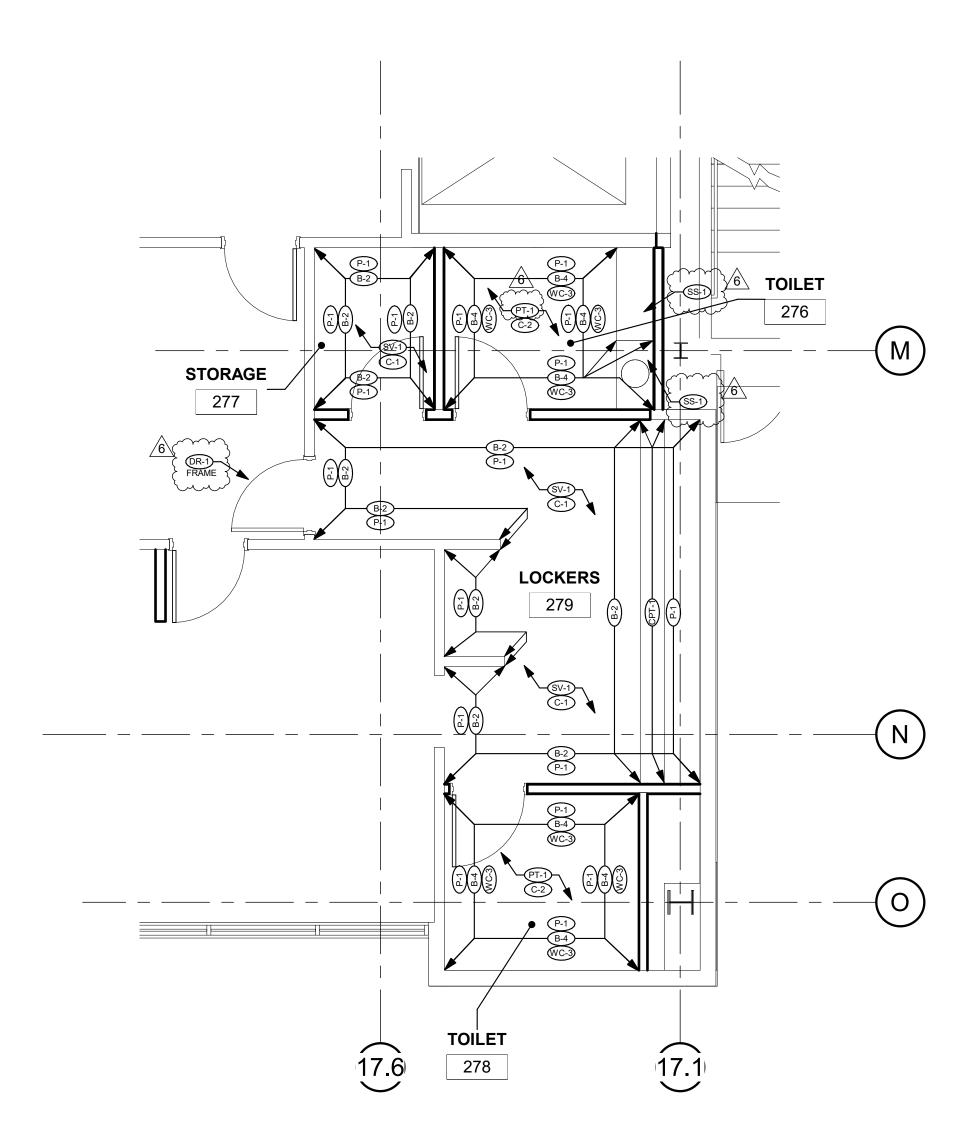
GRANITE

## **WINDOW SHADES:**

WS-1

MANUFACTURER:
STYLE:
FABRIC:
OPEN COLOR:
FACSIA:

MECHO SYSTEMS MECHO / S THERMOVEIL 1010 2-3% LIGHT GREY 3-3/4" HIGH SQUARE METAL FASCIA PAINTED GREY.



1) FIRST LEVEL NEW FINISHES LOCKER PLAN

#### **GENERAL NOTES:**

- MEASUREMENTS IN THE FIELD PRIOR TO STARTING CONSTRUCTION.
- REFER TO GENERAL NOTES ON SHEET A0-00 FOR INFORMATION NOT

#### FINISH PLAN GENERAL NOTES:

- 1. PATCH AND REPAIR FINISHES IN LIKE KIND WHERE AFFECTED BY NEW CONSTRUCTION ON EXISTING BUILDING FINISHES.
- ALL WINDOW COVERING TO BE CENTERED ON STOREFRONT
- AND INTALL PER MANUFACTURER'S REQUIREMENTS.
- 3. REFER TO ENLARGE FLOOR PLANS FOR CORNER GUARDS, CRASH RAIL AND CHAIRD RAIL LOCATONS.
- 4. REFER TO INTERIOR ELEVATIONS AND SHEET A5-80 FOR ALL CASEWORK FINISHES.
- 5. CONTRACTOR SHALL SUBMIT SIX (6) COPIES OF MANUFACTURER'S SPECIFICATIONS AND INSTALLATION INSTRUCTIONS FOR ALL FLOORING, CEMENT LEVELING AND PATCHING MATERIALS. PERFORM STRICTLY IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS. PROVIDE MAINTENANCE INFORMATION TO THE FACILITIES MAINTENANCE DEPARTMENT.
- 6. PATCH AND REPAIR EXISTING SUB FLOOR SLAB AS REQUIRED TO PROVIDE A SMOOTH SURFACE FOR NEW FLOORING PER MANUFACTURER'S INSTALLATION REQUIREMENTS. PROVIDE SELF-LEVELING UNDERLAYMENT CONCRETE.
- 7. FLOORING PREPARATION SHALL BE PERFORMED AS REQUIRED BY THE FLOOR FINISH MANUFACTURER IN A MANNER SUCH THAT THE MANUFACTURER'S PRODUCT WARRANTY WILL REMAIN IN EFFECT. IF FIELD CONDITIONS REQURIE VARIATIONS FROM MANUFACTURER'S REQUIREMENTS, THE CONTRACTOR SHALL NOTIFY THE FACILITIES MANAGER IN WRITING DTO RECEIVE INSTRUCTIONS ON HOW TO PROCEED.
- 8. ALL ADHESIVES FOR FINISH MATERIALS SHALL HAVE LOW VOC EMISSIONS. CONTRACTOR SHALL PROVIDE DIRECT VENTILATION TO PREVENT VOC'S OUT GASSING FROM ADHESIVES FROM ENTERING THE BUILDING HVAC SYSTEM AND AFFECTING THE OCCUPANTS OF THE BUILDING.
- CONTRACTOR TO PROVIDE TRANSITIONS BETWEEN FLOORING MATERIALS PER DETAILS ON SHEET A5-90. ALL TRANSITIONS LOCATED UNDER DOORS, TO BE CENTERED UNDER DOOR.
- 10. DOOR SWING: CONTRACTOR SHALL INSTALL ALL NEW FLOORING SUCH THAT IT DOES NOT INTERFERE WITH EXISTING DOORS AND SUCH A WAY THAT EXISTING DOORS DO NOT TOUCH THE SURFACE OF NEW FLOORING. ANY PROBLEMATIC DOORS SHALL BE BROUGHT TO THE ATTENTION FO THE FACILITIES CONSTRUCTION REPRESENTATIVE PRIOR TO FLOORING PREPARATION.
- 11. PERFORM CALCIUM CHLORIDE TEST FOR ALL SLAB SUBFLOORS WHERE SLAB IS NEW, OR ALL EXISTING SLAB ON GRADE LOCATIONS. WHERE EXISTING SLAB IS ABOVE GRADE, CONTRACTOR MAY LIMIT TESTING TO AREAS NEAR A SOURCE OF WATER SUCH AS AROUND PLUMBING LINES, SHOWER STALLS, ROOF DRAINS, ETC. WHERE MOISTURE IN THE SLAB EXCEEDS FINISH MATERIAL'S MANUFACTURER'S RECOMMENDATIONS, REFER TO NOTES ABOVE FOR MANUFACTURER'S WARRANTY REQUIREMENTS.
- 12. CONTRACTOR TO INCLUDE ALLOWANCE FOR CONCRETE SLAB SEALER TO BE FURNISHED AND APPLIED UNDER ALL FLOOR FINISHES ON SLAB ON GRADE.
- CONTRACTOR SHALL VERIFY LEAD TIMES FOR ALL FINISH MATERIALS AND SHALL BE RESPONSIBLE TO HAVE ALL MATERIALS ON THE JOB SITE ON TIME. NO SUBSTITUTIONS SHALL BE MADE DUE TO LATE ORDERING OF MATERIALS.
- 14. CONTINUE ALL FLOOR FINISHES UNDER ALL APPLIANCES AND REMOVABLE CABINETS AND EQUIPMENT.

#### **PAINT AND WALL FINISHES:**

15. PAINT FINISHES (SHEEN) AS FOLLOWS: WALLS: EGGSHELL SHEEN EXCEPTIONS SEMI GLOSS SHEEN AT: TOILETS PUBLIC AND LABS, FOOD SERVICE AREAS, TRASH AND UTILITY ROOMS. PAINTED DOORS & FRAMES: SEMI GLOSS CEILING AND SOFFITS: FLAT

NOTE: REFER TO INTERIOR ELEVATIONS WHERE FOR LOCATIONS WHERE EPOXY PAINT IS REQUIRED.

- 16. SUBMIT ALL FINISH SAMPLES TO ARCHITECT FOR APPROVAL, INCLUDING DRAW DOWNS OF ALL PAINT COLORS IN ALL FINISH TYPES AS USED.
- 17. PAINT ALL ACCESS PANELS TO MATCH ADJ. WALL SURFACE
- 18. PLASTER FINISH SHALL BE LEVEL FOR WHERE A PAINTED FINISH SURFACE IS SHOWN.

#### RESILIENT FLOORING:

- 19. ALL RESILIENT FLOORING INSTALLATIONS SHALL BE COMPLETED TO THE POINT READY FOR THE FIRST DAY OF USE AND IN AS NEW CONDITION, CLEAN CONSTRUCTION DUST AND DERBY, DAMP MOP AND APPLY A SEALER OR WAXED PER MANUFACTURER'S RECOMMENDATIONS FOR THE PRODUCT. FLOORING CONTRACTOR TO PROVIDE THE PRODUCT SPECIFICATION AND A RECOMMENDED REAPPLICATION TIME FOR THE SEALER OR WAX TO THE FACILITIES MAINTENANCE OFFICE.
- 20. ALL SHEET GOODS OF RESILIENT FLOORING SHALL BE INSTALLED USING HEAT WELD SEAMS, WELDING RODS SHALL MATCH THE COLOR OF THE FLOORING MATERIAL UNLESS OTHERWISE NOTED ON THE FINISH PLAN OR LEGEND.

#### **CASEWORK AND MILL WORK:**

- 21. ALL CASEWORK AND MILL WORK TO CONFORM TO THE REQUIREMENTS OF THE LATEST EDITION OF W.I.C. FOR CUSTOM GRADE.
- 22. WOOD SAMPLES PROVIDED TO THE COTNRACTOR ARE FOR COLOR ONLY. CONTRACTOR TO SUBMITT SAMPLES FOR ALL WOOD FINISHES FOR APPROVAL AND VERFIY SHEEN OF FINISH FOR ALL LOCATIONS OF STAINED WOOD FINISH. SUBMITTALS SHALL INCLUDE INFORMATION ON THE SPECIES OF WOOD USED, VENEER MATCHING PROPOSED AND CLEAR FINISH PROPOSED OVER THE STAIN.
- 23. SHOP DRAWINGS SHALL BE SUBMITTED FOR ALL CASEWORK AND MILL WORK.

#### FLAME SPREAD:

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24. FLAME SPREAD OF FINISH MATERIALS: WALL, FLOOR AND CEILING SHALL NOT EXCEED THE FLAME SPREAD CLASSIFICATIONS IN CBC TABLE 803.5

- THE GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND
- INDICATED ON THIS SHEET.

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DEPARTMENT

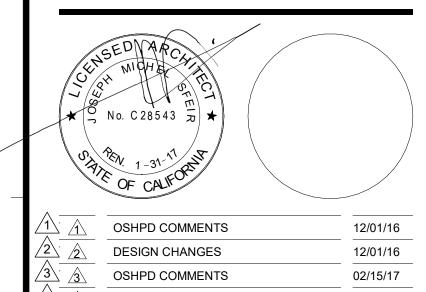
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02/15/17 DESIGN CHANGES 08/11/17 OSHPD COMMENTS DESIGN CHANGES REV: DESCRIPTION:

OSHPD #: S162093-37-00

#### FINISHES FLOOR PLAN, STAFF LOCKERS

TCMC EMERGENCY DEPARTMENT PROJECT #: 01593.00 CHECKED BY Checker

As indicated 08/03/16

#### **GENERAL NOTES**

- 1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, SITE CONDITIONS PRIOR TO STARTING CONSTRUCTION. THE ARCHITECT AND STRUCTURAL ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES OR
- 2. THE ARCHITECT AND STRUCTURAL ENGINEER SHALL BE NOTIFIED OF ANY CONFLICTS OR OMISSIONS BETWEEN THE WORKING DRAWINGS OR SPECIFICATIONS BEFORE PROCEEDING ANY WORK SO AFFECTED. A CLARIFICATION SHALL BE ISSUED FOR SUCH CONFLICTS. ANY WORK
  PERFORMED IN CONFLICT WITH THE CONTRACT DOCUMENTS OR ANY CODE REQUIREMENTS SHALL BE CORRECTED BY THE ARCHITECT AND STRUCTURAL
- 3. THE STRUCTURAL DRAWINGS AND SPECIFICATIONS FOR CONSTRUCTION REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES INCLUDE, BUT NOT LIMITED TO, BRACING, SHORING, TO INSURE THE VERTICAL AND LATERAL STABILITY OF THE STRUCTURE. OBSERVATION VISITS TO THE SITE BY THE ARCHITECT AND STRUCTURAL ENGINEER SHALL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS AND DOES NOT RELIEVE THE CONTRACTOR'S RESPONSIBILITIES.
- 4. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONFORMING TO ALL LOCAL, STATE AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS AND REGULATIONS. THE ARCHITECT AND STRUCTURAL ENGINEER WILL NOT

ENFORCE SAFETY MEASURES OR REGULATIONS.

- 5. NOTES AND DETAILS ON THE DRAWINGS SHALL TAKE PRECEDENCE OVER THE GENERAL NOTES AND TYPICAL DETAILS. DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALES SHOWN ON THE DRAWINGS IN CASE OF CONFLICT.
- 6. ALL WORKS SHALL CONFORM TO THE STANDARDS OF THE 2013 CALIFORNIA BUILDING CODE.
- 7. A.S.T.M. SPECIFICATIONS NOTED ON THE DRAWINGS SHALL BE OF THE LATEST
- 8. NO STRUCTURAL SUBSTITUTIONS OR CHANGES SHALL BE MADE IN THE FIELD. WRITTEN APPROVAL MUST BE OBTAINED FROM THE STRUCTURAL ENGINEER AND OSHPD FOR ANY SUBSTITUTIONS OR CHANGES FROM THE APPROVED
- CONTRACTOR SHALL PROVIDE AND BE RESPONSIBLE FOR THE PROTECTION AND REPAIR OF ADJACENT EXISTING SURFACES AND AREAS WHICH MAY BE DAMAGED AS A RESULT OF NEW WORK.

#### EXPANSION ANCHOR BOLTS

CONSTRUCTION DOCUMENTS.

1. ALL FIELD INSTALLED CONCRETE EXPANSION ANCHORS SHALL BE HILTI KB-TZ ANCHORS. ANCHOR TYPE ICC-ES ESR# 3/8"ø HILTI KB TZ

1917

2. ALL ANCHORS SHALL BE TESTED BASED ON THE FOLLOWING CRITERIA: ANCHOR TYPE TORQUE

3/8"ø HILTI KB TZ ANCHOR 25 FT-LBS

MINIMUM ANCHOR EMBEDMENT SHALL BE 2" FOR 3/8"ø, (INSTALLED IN NORMAL WT. CONCRETE WITH fc' = 3000 PSI) 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 OR EMBEDED PIPES AND CONDUITS IN THE SLAB BY USING A NON DESTRUCTIVE METHOD PRIOR TO INSTALLATION WHEN INSTALLING THEM INTO PRESTRESSED CONCRETE (PRE OR POST TENSIONED) LOCATED THE PRESTRESSED TENDONS BY USING A NON DESTRUCTIVE METHOD PRIOR TO INSTALLATION. EXERCISE EXTREME CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE TENDONS DURING INSTALLATION. MAINTAIN 1" MINIMUM CLEARANCE BETWEEN EXISTING REINFORCEMENT AND THE

EPOXY ANCHOR APPLY PROOF TEST LOADS TO EPOXY ANCHORS WITHOUT REMOVING THE NUT IF POSSIBLE. OTHERWISE, REMOVE THE NUT AND INSTALL A THREADED COUPLER UP TO THE SAME TIGHTNESS OF THE ORIGINAL NUT USING A TORQUE WRENCH AND APPLY THE LOAD.

TESTING SHOULD OCCUR A MINIMUM 24 HOURS AFTER INSTALLATION OF THE SUBJECTED ANCHORS. IF THE MANUFACTURER'S RECOMMENDED INSTALLATION TORQUE IS LESS THAN THE TEST TORQUE, THE MANUFACTURER'S RECOMMANDED INSTALLATION TORQUE SHOULD BE USED IN LIEU OF THE TEST TORQUE. ANCHOR DIAMETER REFERS TO THE THREAD SIZE.

REACTION LOADS FROM TEST FIXTURES MAY BE APPLIED CLOSE TO THE ANCHOR BEING TESTED. PROVIDE THE ANCHOR IS NOT RESTRAINED FROM

WITHDRAWING BY THE FIXTURE. TEST EQUIPMENT INCLUDING TORQUE WRENCHES SHALL BE CALIBRATED BY AN APPROVED TESTING LABORATORY IN ACCORDANCE WITH STANDARD

TEST METHODS; THE FOLLOWING CRITERIA APPLY FOR THE ACCEPTANCE OF INSTALLED ANCHORS: A). HYDRAULIC RAM METHOD:

ANCHORS TESTED WITH A HYDRAULIC JACK OR SPRING LOADED DEVICES SHALL MAINTAN THE TEST LOAD FOR MINIMUM OF 15 SECONDS AND SHALL EXHIBIT NO DISCERNABLE MOVEMENT DURING THE TENSION TEST, e.g., AS EVIDENCED BY LOOSENING OF THE WASHER UNDER NUT. B). TORQUE WRENCH METHOD: ANCHORS TESTED WITH A CALIBRATED TORQUE WRENCH MUST ATTAIN THE SPECIFIED TORQUE WITHIN 1 TURN OF THE NUT.

1. WEDGDE OR SLEEVE TYPE: ONE-QUARTER  $(\frac{1}{4})$  TURN OF THE NUT FOR A  $\frac{3}{8}$  IN. SLEEVE ANCHOR ONLY. 2. THREADED TYPE: ONE QUARTER (\$\frac{1}{4}\$) TURN OF THE SCREW AFTER INITIAL SEATING OF THE SCREW HEAD.

TESTING SHOULD OCCUR 24 HOURS MINIMUM AFTER INSTALLATION OF THE MINIMUM OF 50% OF THE INSTALLED ANCHOR SHALL BE TESTED. (ALTERNATE ANCHORS IN ANY GROUP ARRANGEMENT) 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. TESTS SHALL BE PERFORMED PER CBC 2013, 1913A.7.

ALL TESTS SHALL BE PERFORMED IN THE PRESENCE OF THE INSPECTOR OF

#### COLD-FORMED STEEL FRAMING

- DESIGN, MANUFACTURE AND INSTALLATION OF LIGHT GAGE, COLD—FORMED STEEL JOISTS, PURLINS AND STUDS SHALL CONFORM WITH THE LATEST EDITION OF THE LIGHT GAGE, COLD—FORMED STEEL DESIGN MANUAL
- 2. STRUCTURAL LIGHT GAUGE STUDS, TRACK, BRIDGING, AND ACCESSORIES SHALL COMPLY WITH STEEL STUD MANUFACTURERS ASSOCIATION ICBO ER-4943P STRUCTURAL LIGHT GAUGE CH STUDS, J RUNNER TRACK, AND ACCESSORIES SHALL COMPLY WITH DIETRICH
- METAL FRAMING ICC-ESR# 1166P ALL WELDING SHALL BE IN CONFORMANCE WITH AWS D1.3 "STRUCTURAL WELDING CODE — SHEET STEEL". QUALIFICATION OF WELDERS SHALL BE IN ACCORDANCE WITH AWS D1.1, CHAPTER 5, PART C, "WELDER QUALIFICATION". SEE LATEST EDITION OF THE AISI SPECIFICATIONS FOR THE "DESIGN OF COLD—FORMED STEEL STRUCTURAL MEMBERS" FOR ALLOWABLE WELD WALLES
- FRAMING SHALL BE ERECTED PLUMB, LEVEL AND SQUARE. BRIDGING AND DIAGONAL TENSION STRAPS SHALL BE USED.
- TEMPORARY BRACING SHALL BE PROVIDED AS REQUIRED UNTIL ERECTION IS COMPLETE AND SAFELY SECURED TO STRUCTURE.
- 6. COLD-FORMED STEEL YIELD STRENGTH (fy) IS 33 KSI.

IDENTIFICATION OF SSMA PRODUCTS MEMBER DEPTH: FLANGE WIDTH: 3.62" = 362x1/100 INCHES $2" = 200 \times 1/100$  INCHES ALL MEMBER DEPTHS ARE TAKEN IN 1/100 INCHES ALL FLANGE WIDTH ARE TAKEN FOR ALL "T" SECTIONS MEMBER DEPTH IS THE IN 1/100 INCHES INSIDE TO INSIDE DIMENTION



0.054" = 54 MILS (16 GA.) MATERIAL THICKNESS IS THE S = STUD OR JOIST SECTIONSMIN. BASE METAL THICKNESS T = TRACK SECTIONSREPRESENTS 95% OF THE DESIGN THICKNESS **EXAMPLE** 

	COL	D-FORMED	STEEL STUDS	PROPERTIES
$\wedge$	IDENTIFICATION	MEMBER DEPTH	FLANGE WIDTH	MATERIAL THICKNESS
	362S200-54	3.62"	2"	16 GA.
<u></u>	362S162-54	3.62"	1.625"	16 GA. 1
	362T125-54	3.62"	1.25"	16 GA.
	362T125-43	3.62"	1.25"	18 GA.
	400S162-54	4"	1.625"	16 GA.
	600S200-54	6"	2"	16 GA.
	600T125-54	6"	1.25"	16 GA.
	600T200-54	6"	2"	16 GA

#### STRUCTURAL STEEL:

STRUCTURAL STEEL SHALL COMPLY WITH THE FOLLOWING U.N.O.:

STEEL CHANNELS AND ANGLES ASTM A36 STRUCTURAL TUBES A500, GRADE B

STEEL PLATE ASTM A36 STEEL BOLT ASTM A307

ALL STEEL MEMBERS TO BE PRIME PAINTED.

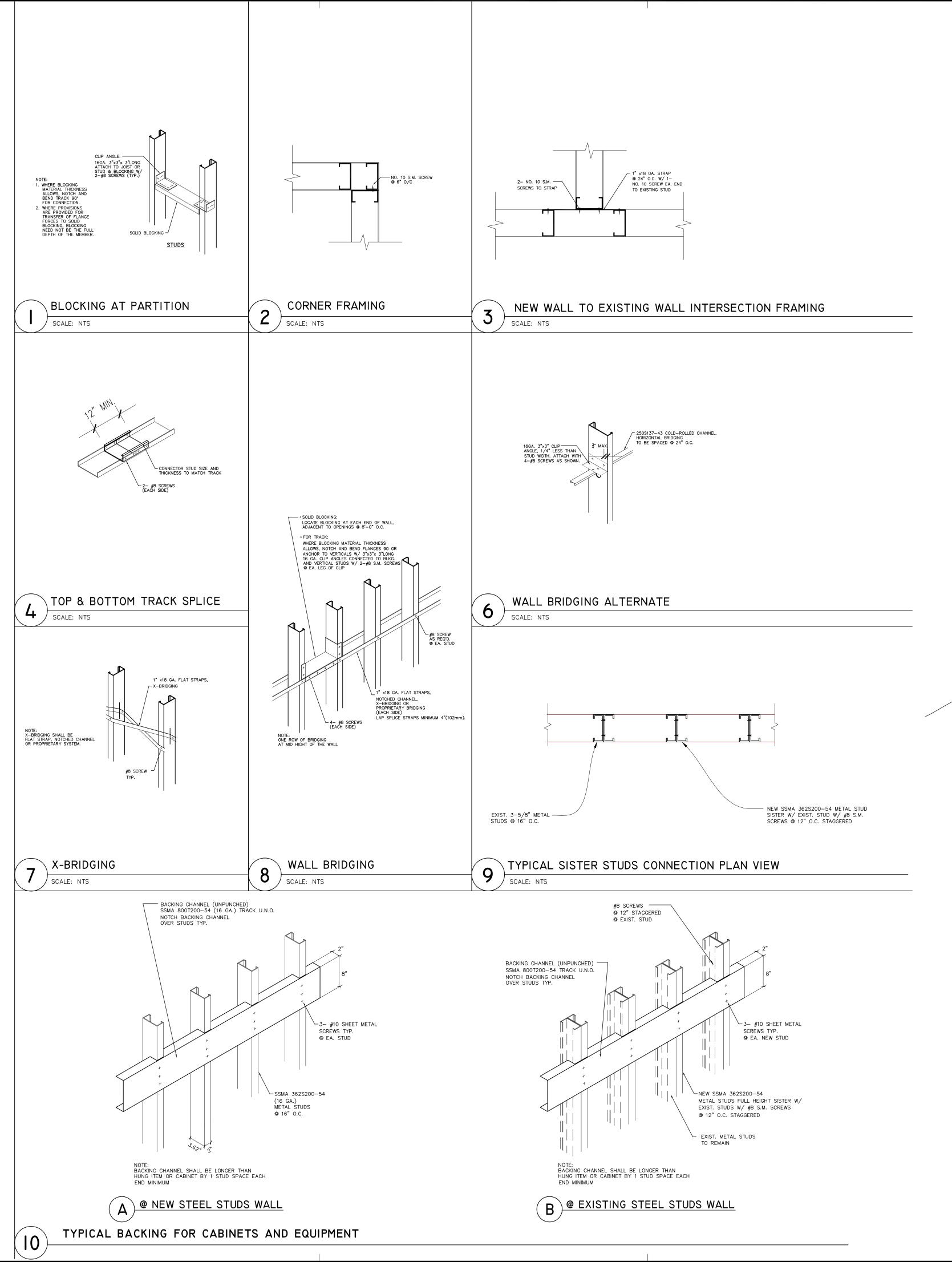
#### SEISMIC LOAD

LONGITUDE: 117.29178° WEST, LATITUDE: 33.18425° NORTH

DESIGN SPECTRAL RESPONSE ACCLERATION:  $S_{DS} = 0.760, S_{D1} = 0.435$ 

SEISMIC IMPORTANCE FACTOR, Ip = 1.5SEISMIC FORCE COEFFICIENTS:

 $a_p = 1.0, R_P = 2.5$ SEISMIC DESIGN CATEGORY "D"



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OSHPD COMMENTS 11/18/16 11/18/16 DESIGN CHANGES OSHPD COMMENTS 02/15/17 06/23/17 DESIGN CHANGES 08/11/17 OSHPD COMMENTS 10/30/17 DESIGN CHANGES 



REV: DESCRIPTION:

SUN Structural Engineering, Inc. Consulting Structural Engineers 2091 Las Palmas Dr. Suite D Carlsbad, California 92011 Tel: 760-438-1188 www.sunse-inc.com

DATE:

OSHPD #: S162093-37-00

PROJECT #:

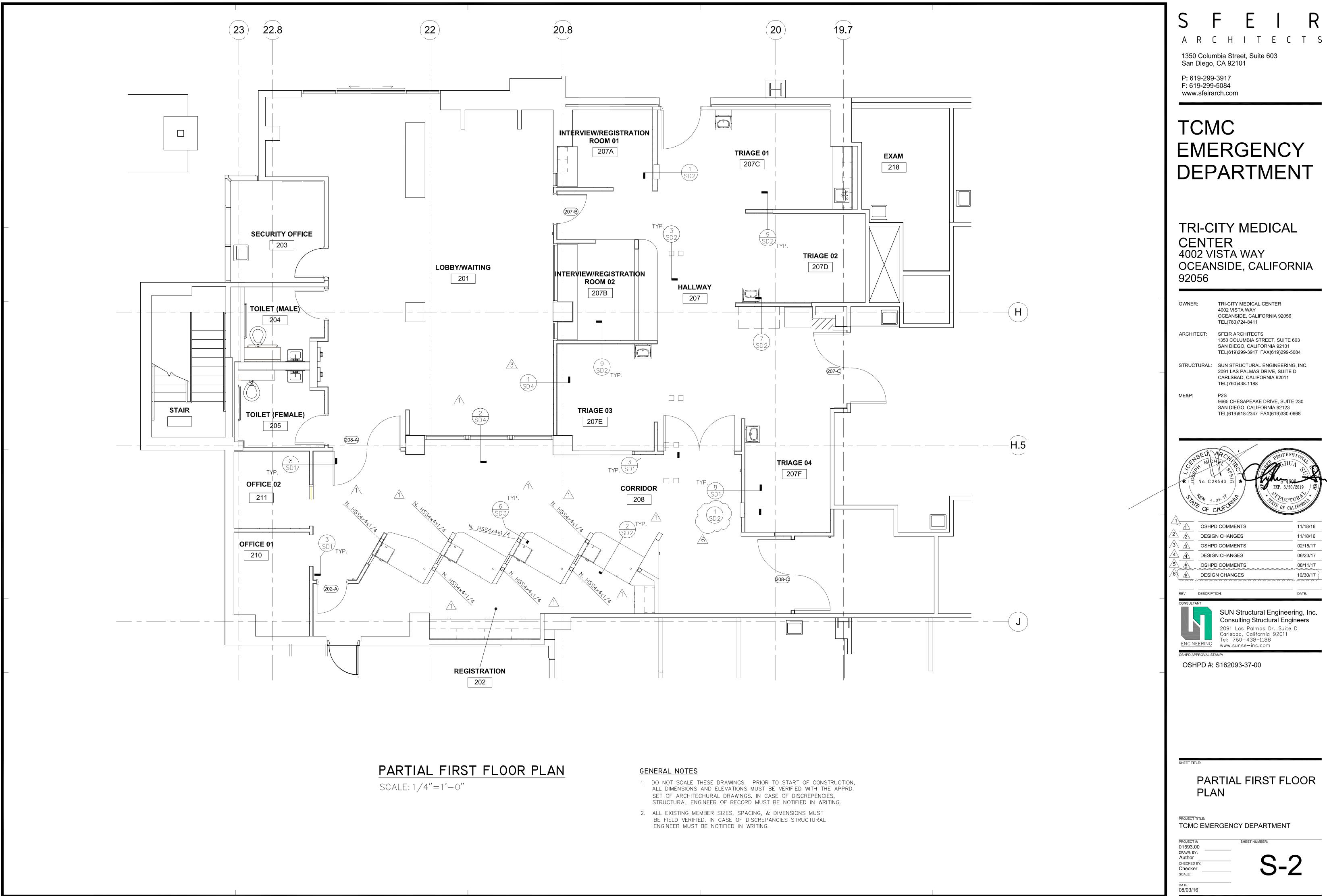
08/03/16

GENERAL NOTES TYPICAL DETAILS

TCMC EMERGENCY DEPARTMENT

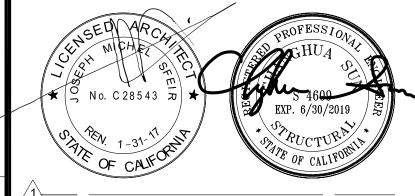
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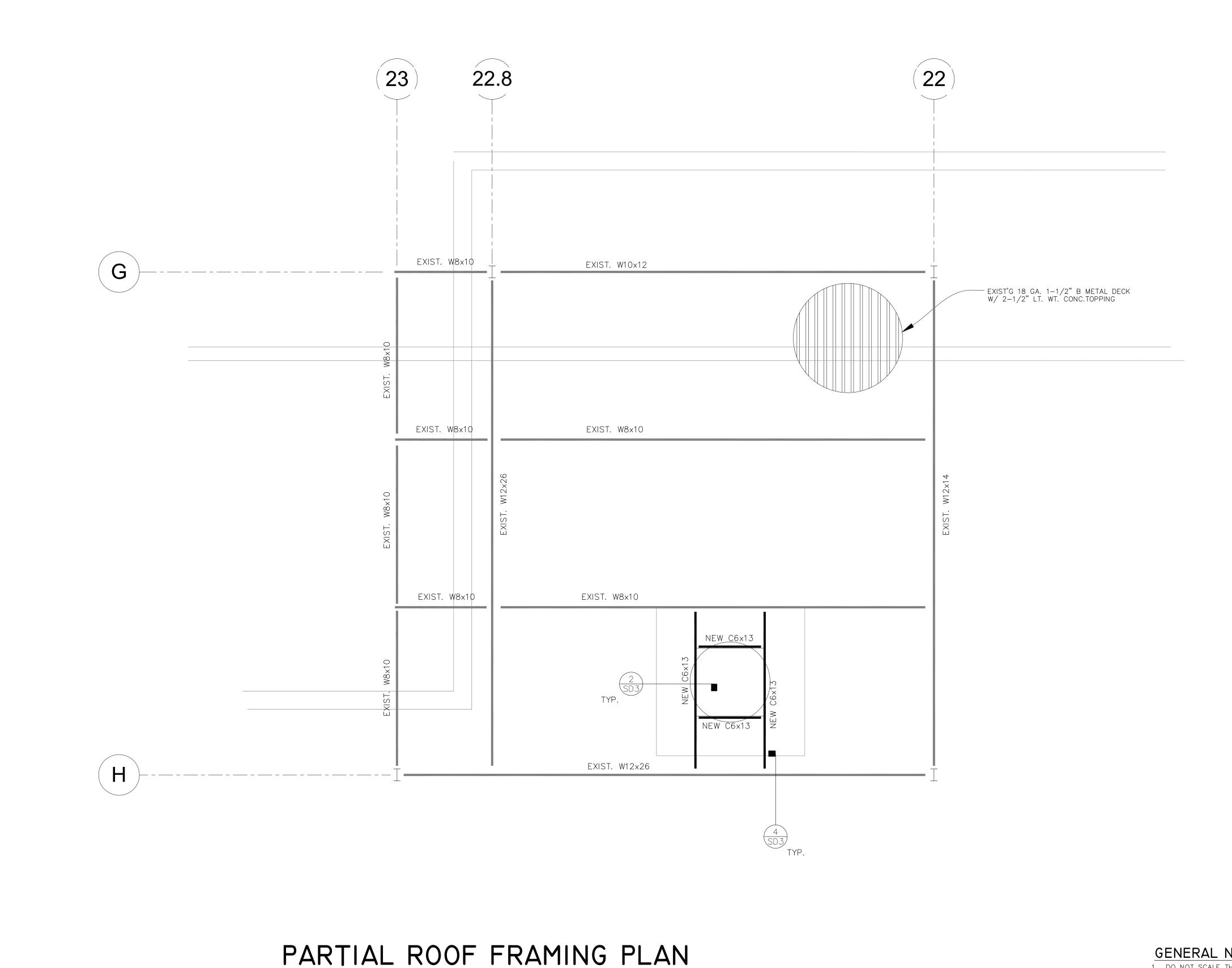
# **EMERGENCY**

OCEANSIDE, CALIFORNIA



	OSHPD COMMENTS	11/18/16
$\frac{2}{2}$	DESIGN CHANGES	11/18/16
3 3	OSHPD COMMENTS	02/15/17
4	DESIGN CHANGES	06/23/17
5 5	OSHPD COMMENTS	08/11/17
6 6	DESIGN CHANGES	10/30/17

PARTIAL FIRST FLOOR



SCALE: 1/2"=1'-0"

#### GENERAL NOTES

- 1. DO NOT SCALE THESE DRAWINGS. PRIOR TO START OF CONSTRUCTION, ALL DIMENSIONS AND ELEVATIONS MUST BE VERIFIED WITH THE APPRD. SET OF ARCHITECHURAL DRAWINGS. IN CASE OF DISCREPENCIES, STRUCTURAL ENGINEER OF RECORD MUST BE NOTIFIED IN WRITING.
- 2. ALL EXISTING MEMBER SIZES, SPACING, & DIMENSIONS MUST BE FIELD VERIFIED. IN CASE OF DISCREPANCIES STRUCTURAL ENGINEER MUST BE NOTIFIED IN WRITING.
- 3. CONTRACTOR TO PROVIDE TEMP. SHORING FOR EXIST. STRUCTURAL ELEMENTS PRIOR TO REMOVE EXIST. WALLS AND INSTALL NEW BEAMS COLUMNS AND FOOTINGS

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TRI-CITY MEDICAL CENTER

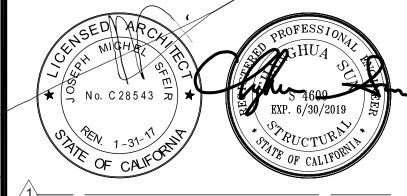
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$\bigwedge^{\wedge} \bigwedge$	OSHPD COMMENTS	11/18/16
$\frac{\sqrt{2}}{2}$	DESIGN CHANGES	11/18/16
3 3	OSHPD COMMENTS	02/15/17
4 4	DESIGN CHANGES	06/23/17
5 5	OSHPD COMMENTS	08/11/17
6 6	DESIGN CHANGES	10/30/17



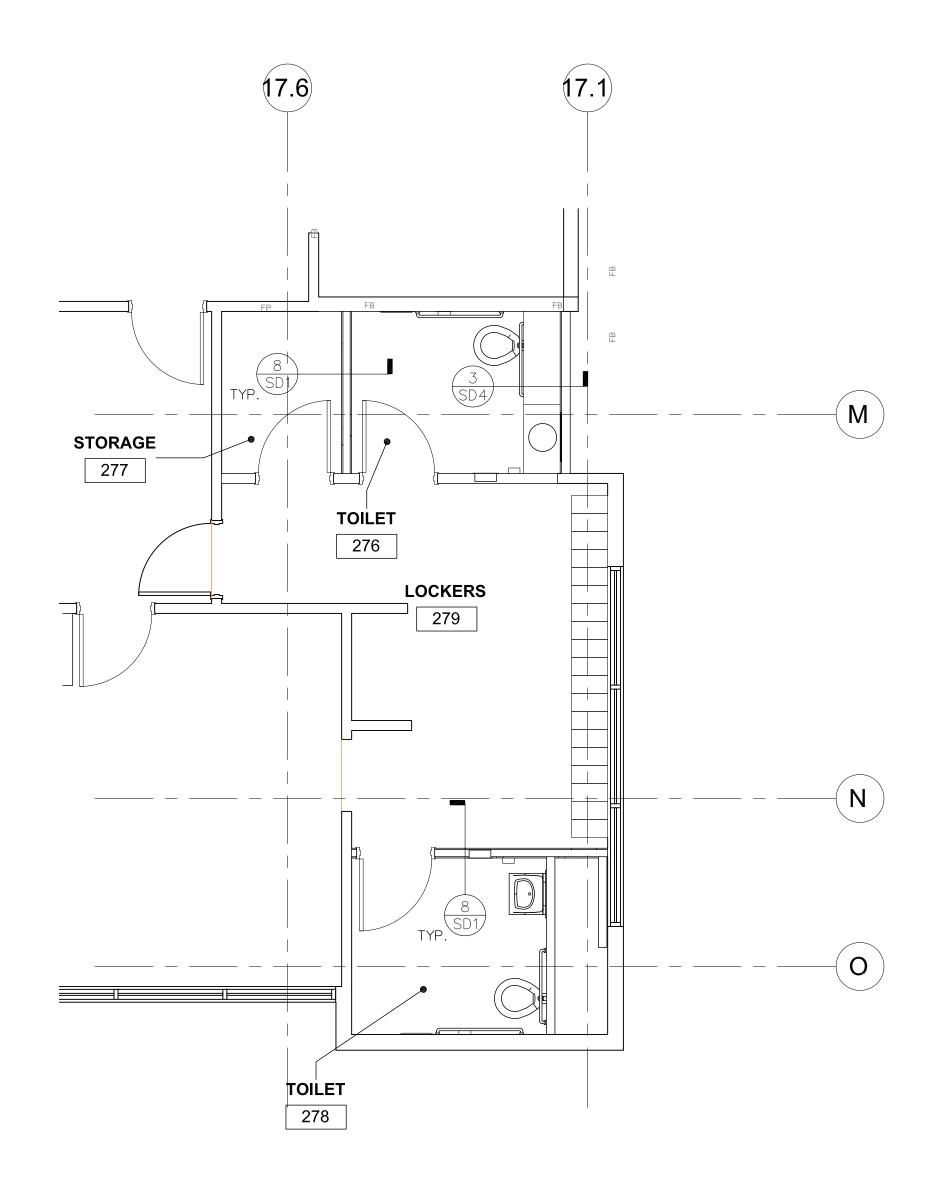
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OSHPD #: S162093-37-00

PARTIAL ROOF FRAMING PLAN

TCMC EMERGENCY DEPARTMENT

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PARTIAL FIRST FLOOR PLAN (LOCKER ROOM)

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

#### GENERAL NOTES

- 1. DO NOT SCALE THESE DRAWINGS. PRIOR TO START OF CONSTRUCTION, ALL DIMENSIONS AND ELEVATIONS MUST BE VERIFIED WITH THE APPRD. SET OF ARCHITECHURAL DRAWINGS. IN CASE OF DISCREPENCIES, STRUCTURAL ENGINEER OF RECORD MUST BE NOTIFIED IN WRITING.
- 2. ALL EXISTING MEMBER SIZES, SPACING, & DIMENSIONS MUST BE FIELD VERIFIED. IN CASE OF DISCREPANCIES STRUCTURAL ENGINEER MUST BE NOTIFIED IN WRITING.

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ARCHITECT: SFEIR ARCHITECTS

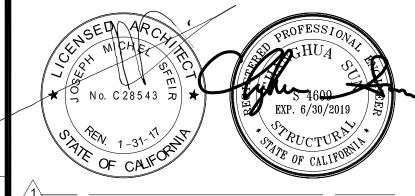
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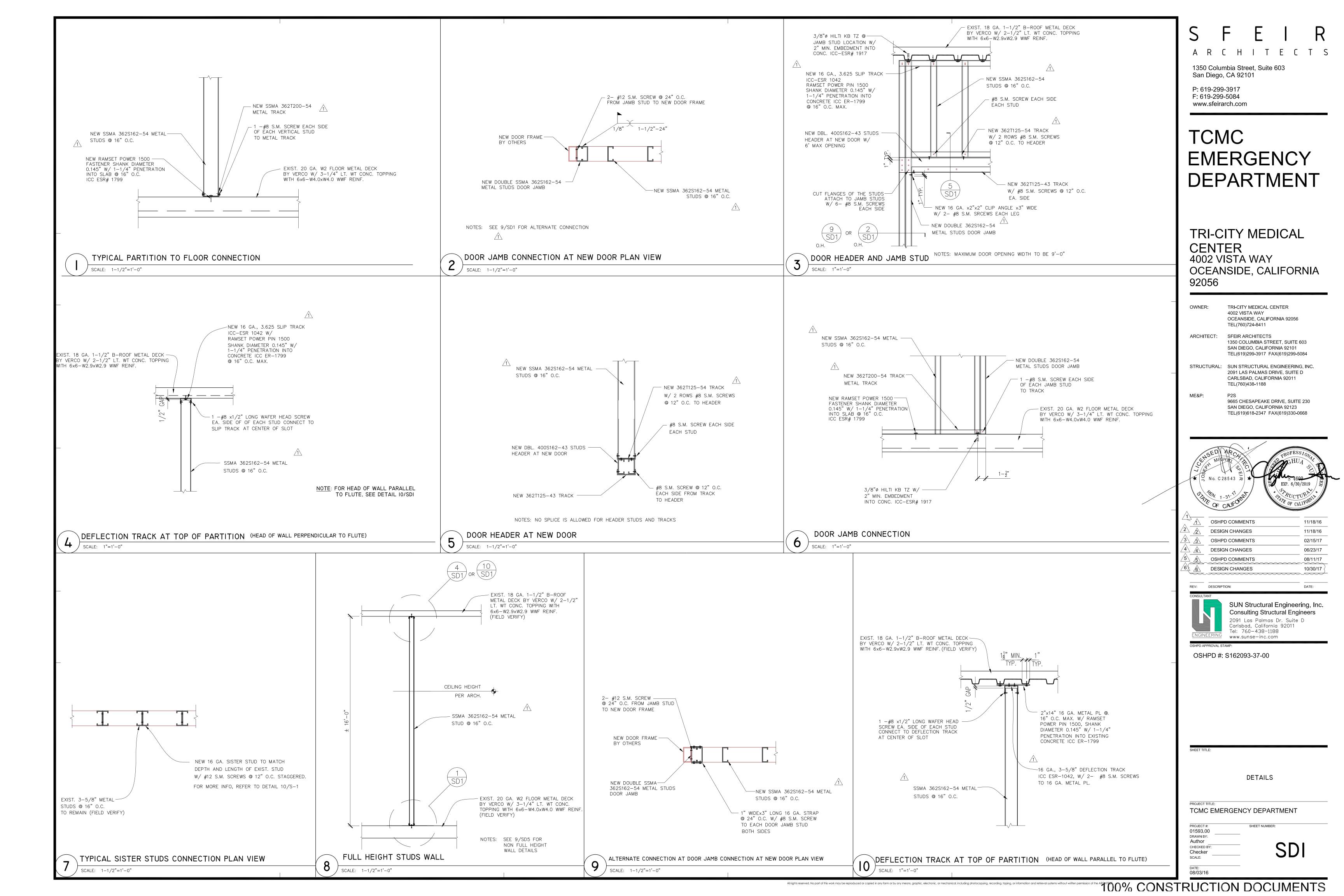
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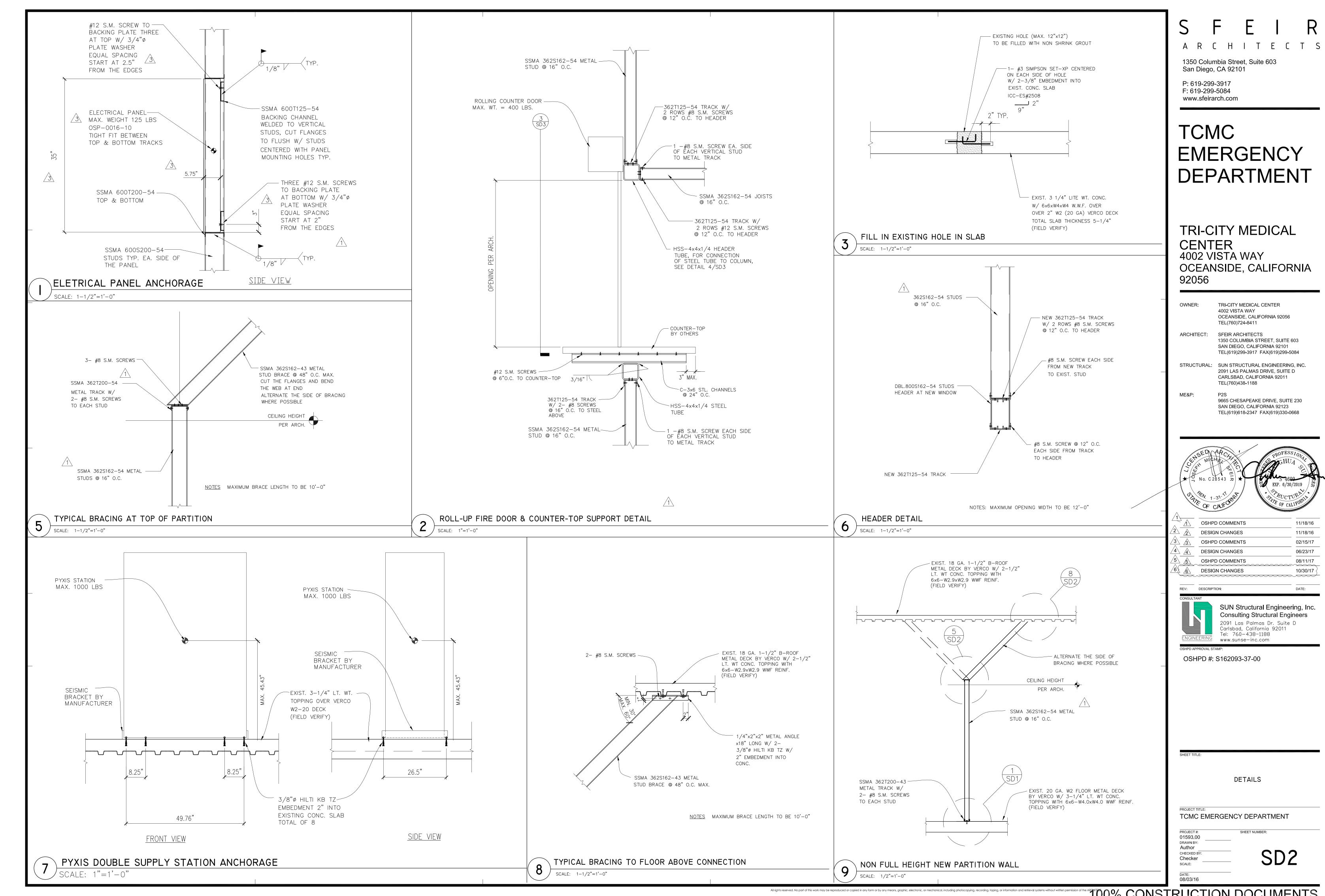
PARTIAL FIRST FLOOR PLAN (LOCKER ROOM)

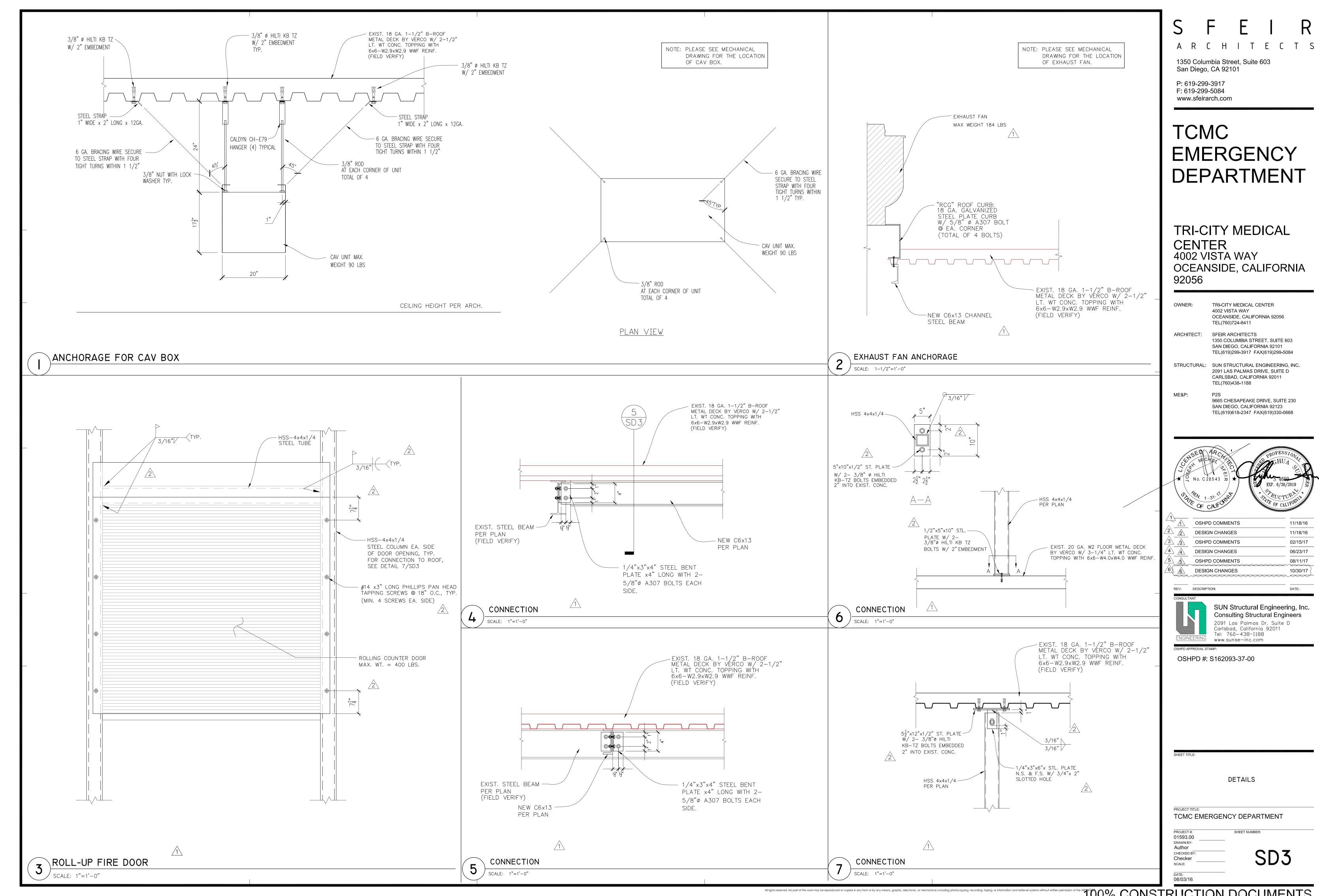
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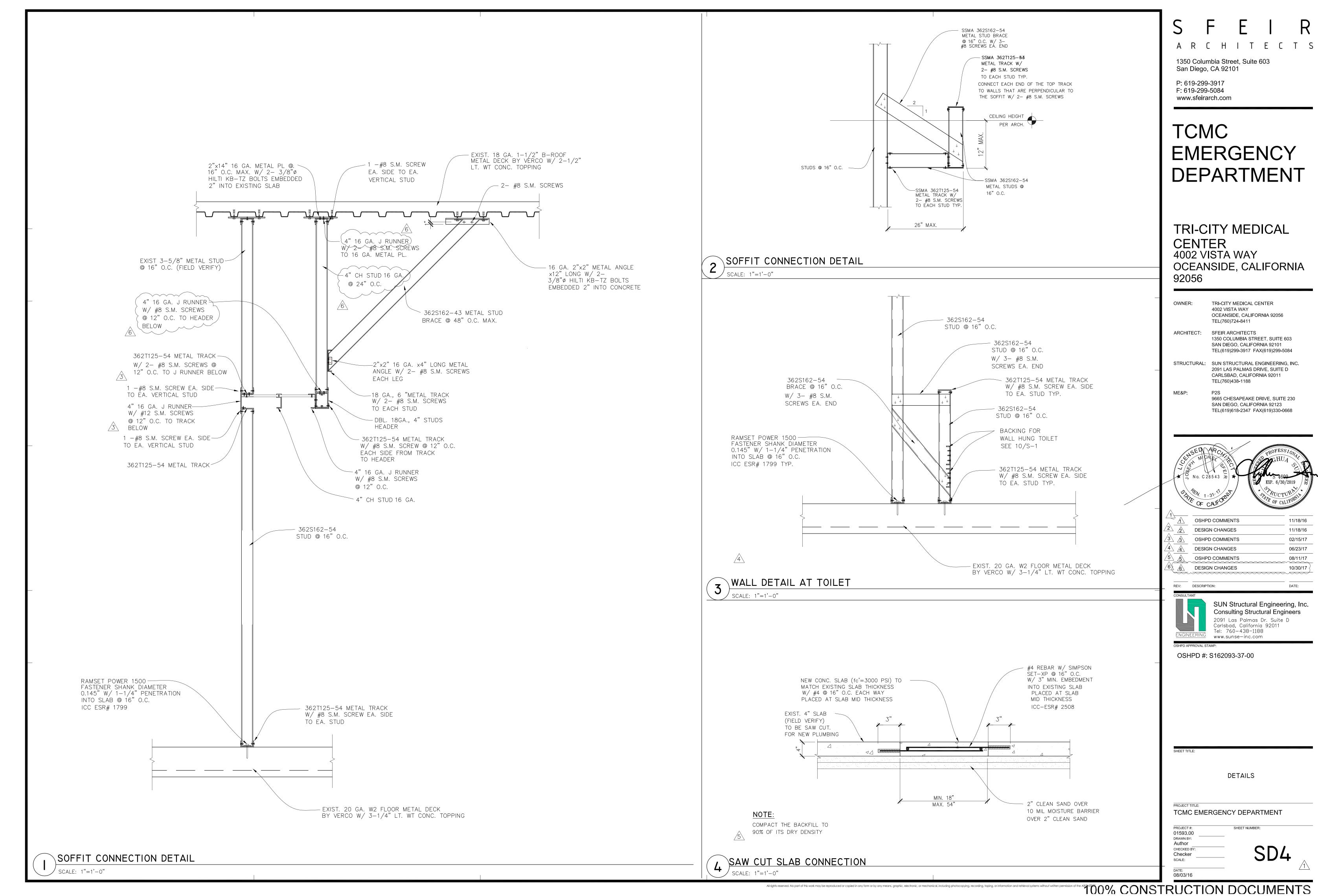
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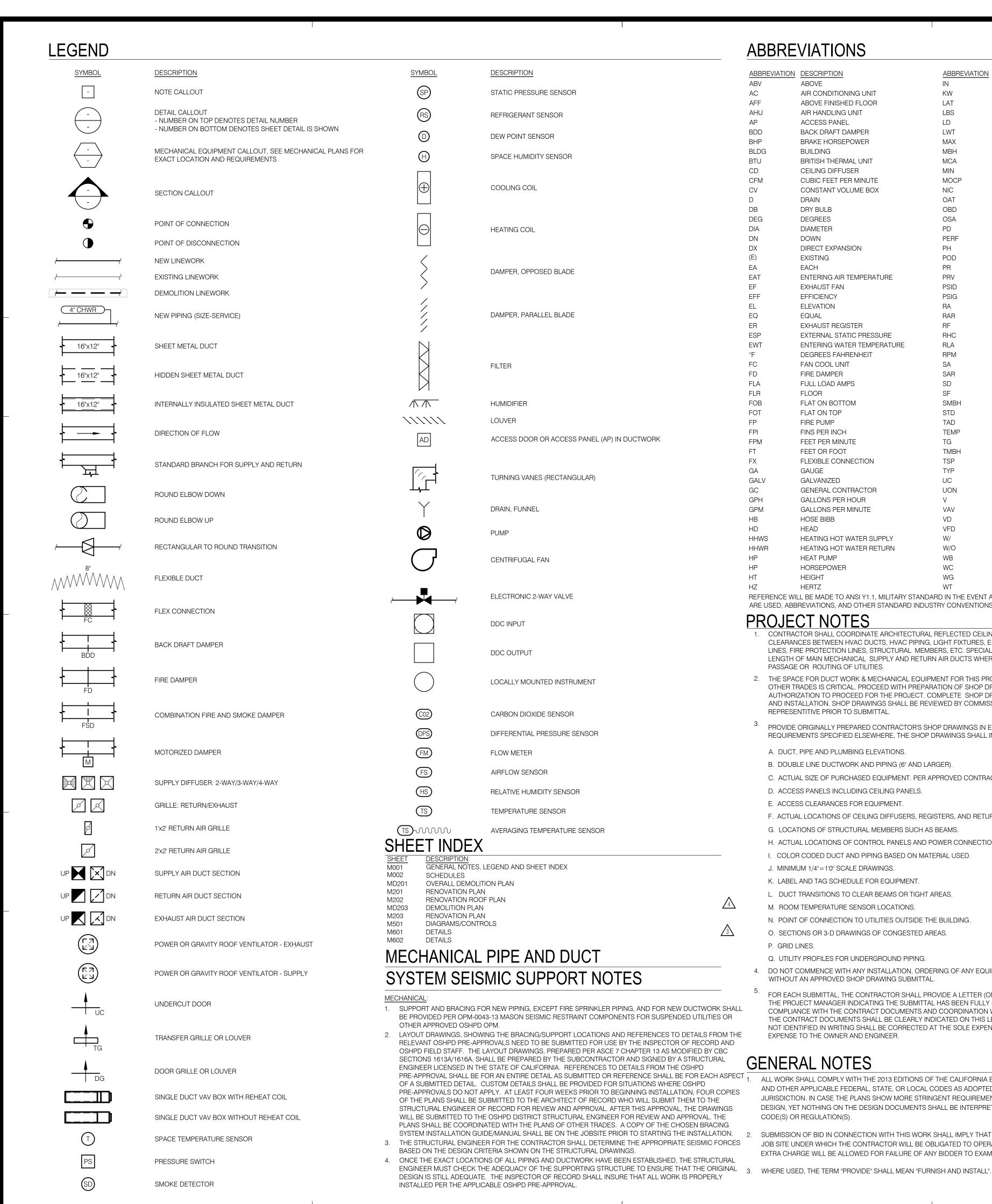
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#### **ABBREVIATIONS**

ABBREVIATION		<u>ABBREVIATION</u>	
ABV	ABOVE	IN	INCHES
AC	AIR CONDITIONING UNIT	KW	KILOWATTS
AFF	ABOVE FINISHED FLOOR	LAT	LEAVING AIR TEMPERATURE
AHU	AIR HANDLING UNIT	LBS	POUNDS
AP	ACCESS PANEL	LD	LINEAR DIFFUSER
BDD	BACK DRAFT DAMPER	LWT	LEAVING WATER TEMPERATURE
BHP	BRAKE HORSEPOWER	MAX	MAXIMUM
BLDG	BUILDING	MBH	THOUSAND BTU PER HOUR
BTU	BRITISH THERMAL UNIT	MCA	MINIMUM CIRCUIT AMPS
CD	CEILING DIFFUSER	MIN	MINIMUM
CFM	CUBIC FEET PER MINUTE	MOCP	MAXIMUM OVERLOAD CIRCUIT PROTEC
CV	CONSTANT VOLUME BOX	NIC	NOT IN CONTRACT
D	DRAIN	OAT	OUTSIDE AIR TEMPERATURE
DB	DRY BULB	OBD	OPPOSED BLADE DAMPER
DEG	DEGREES	OSA	OUTSIDE AIR
DIA	DIAMETER	PD	PRESSURE DROP
DN	DOWN	PERF	PERFORATED
DX	DIRECT EXPANSION	PH	PHASE
(E)	EXISTING	POD	POINT OF DISCONNECT
EA	EACH	PR	PRESSURE RELIEF
EAT	ENTERING AIR TEMPERATURE	PRV	PRESSURE REDUCING VALVE
		PSID	POUNDS PER SQUARE INCH DIFFEREN
EF	EXHAUST FAN		
EFF EL	EFFICIENCY	PSIG	POUNDS PER SQUARE INCH GAUGE
EL	ELEVATION	RA	RETURN AIR
EQ	EQUAL	RAR	RETURN AIR REGISTER
ER 	EXHAUST REGISTER	RF	RETURN FAN
ESP	EXTERNAL STATIC PRESSURE	RHC	REHEAT COIL
EWT	ENTERING WATER TEMPERATURE	RLA	RATED LOAD AMPS
°F	DEGREES FAHRENHEIT	RPM	REVOLUTIONS PER MINUTE
FC	FAN COOL UNIT	SA	SUPPLY AIR
FD	FIRE DAMPER	SAR	SUPPLY AIR REGISTER
FLA	FULL LOAD AMPS	SD	SMOKE DAMPER
FLR	FLOOR	SF	SUPPLY FAN
FOB	FLAT ON BOTTOM	SMBH	SENSIBLE MBH
FOT	FLAT ON TOP	STD	STANDARD
FP	FIRE PUMP	TAD	TRANSFER AIR DUCT
FPI	FINS PER INCH	TEMP	TEMPERATURE
FPM	FEET PER MINUTE	TG	TRANSFER GRILLE
FT	FEET OR FOOT	TMBH	TOTAL MBH
FX	FLEXIBLE CONNECTION	TSP	TOTAL STATIC PRESSURE
GA	GAUGE	TYP	TYPICAL
GALV	GALVANIZED	UC	UNDERCUT
GC	GENERAL CONTRACTOR	UON	UNLESS OTHERWISE NOTED
GPH	GALLONS PER HOUR	V	VOLTS
GPM	GALLONS PER MINUTE	VAV	VARIABLE AIR VOLUME UNIT
HB	HOSE BIBB	VD	VOLUME DAMPER
HD	HEAD	VFD	VARIABLE FREQUENCY DRIVE
HHWS	HEATING HOT WATER SUPPLY	W/	WITH
HHWR	HEATING HOT WATER RETURN	W/O	WITHOUT
		·	
HP	HEAT PUMP	WB	WATER COLLINAL
HP	HORSEPOWER	WC	WATER CALLOE
HT	HEIGHT	WG	WATER GAUGE
HZ	HERTZ	WT	WEIGHT

- 1. CONTRACTOR SHALL COORDINATE ARCHITECTURAL REFLECTED CEILINGS PLANS WITH ALL DISCIPLINES TO VERIFY CLEARANCES BETWEEN HVAC DUCTS, HVAC PIPING, LIGHT FIXTURES, ELECTRICAL DATA CONDUITS, PLUMBING LINES, FIRE PROTECTION LINES, STRUCTURAL MEMBERS, ETC. SPECIAL ATTENTION IS REQUIRED ALONG THE LENGTH OF MAIN MECHANICAL SUPPLY AND RETURN AIR DUCTS WHERE THERE IS LIMITED CLEARANCE FOR PASSAGE OR ROUTING OF UTILITIES.
- 2. THE SPACE FOR DUCT WORK & MECHANICAL EQUIPMENT FOR THIS PROJECT IS LIMITED. COORDINATION WITH OTHER TRADES IS CRITICAL. PROCEED WITH PREPARATION OF SHOP DRAWINGS IMMEDIATELY UPON RECEIVING AN AUTHORIZATION TO PROCEED FOR THE PROJECT. COMPLETE SHOP DRAWINGS PRIOR TO MATERIAL FABRICATION AND INSTALLATION. SHOP DRAWINGS SHALL BE REVIEWED BY COMMISSIONING AGENT, MEOR AND OWNER'S REPRESENTITIVE PRIOR TO SUBMITTAL.
- PROVIDE ORIGINALLY PREPARED CONTRACTOR'S SHOP DRAWINGS IN ELECTRONIC FORMAT. IN ADDITION TO THE REQUIREMENTS SPECIFIED ELSEWHERE, THE SHOP DRAWINGS SHALL INCLUDE THE FOLLOWING:
- A. DUCT, PIPE AND PLUMBING ELEVATIONS.
- B. DOUBLE LINE DUCTWORK AND PIPING (6" AND LARGER).
- C. ACTUAL SIZE OF PURCHASED EQUIPMENT. PER APPROVED CONTRACTOR'S SHOP DRAWINGS.
- D. ACCESS PANELS INCLUDING CEILING PANELS.
- E. ACCESS CLEARANCES FOR EQUIPMENT.
- F. ACTUAL LOCATIONS OF CEILING DIFFUSERS, REGISTERS, AND RETURN REGISTERS.
- G. LOCATIONS OF STRUCTURAL MEMBERS SUCH AS BEAMS.
- H. ACTUAL LOCATIONS OF CONTROL PANELS AND POWER CONNECTIONS TO EQUIPMENT.
- I. COLOR CODED DUCT AND PIPING BASED ON MATERIAL USED.
- J. MINIMUM 1/4"=1'0" SCALE DRAWINGS.
- K. LABEL AND TAG SCHEDULE FOR EQUIPMENT.
- L. DUCT TRANSITIONS TO CLEAR BEAMS OR TIGHT AREAS.
- M. ROOM TEMPERATURE SENSOR LOCATIONS.
- N. POINT OF CONNECTION TO UTILITIES OUTSIDE THE BUILDING. O. SECTIONS OR 3-D DRAWINGS OF CONGESTED AREAS.
- P. GRID LINES.
- Q. UTILITY PROFILES FOR UNDERGROUND PIPING.
- 4. DO NOT COMMENCE WITH ANY INSTALLATION, ORDERING OF ANY EQUIPMENT OR MATERIAL FABRICATION WITHOUT AN APPROVED SHOP DRAWING SUBMITTAL.
- FOR EACH SUBMITTAL, THE CONTRACTOR SHALL PROVIDE A LETTER (ON COMPANY LETTERHEAD) AND SIGNED BY THE PROJECT MANAGER INDICATING THE SUBMITTAL HAS BEEN FULLY IN HOUSE REVIEWED TO ENSURE FULL COMPLIANCE WITH THE CONTRACT DOCUMENTS AND COORDINATION WITH OTHER TRADES. ANY EXCEPTIONS TO THE CONTRACT DOCUMENTS SHALL BE CLEARLY INDICATED ON THIS LETTER. ANY DISCREPANCIES/EXCEPTIONS NOT IDENTIFIED IN WRITING SHALL BE CORRECTED AT THE SOLE EXPENSE OF THE CONTRACTOR AND AT NO EXPENSE TO THE OWNER AND ENGINEER.

- ALL WORK SHALL COMPLY WITH THE 2013 EDITIONS OF THE CALIFORNIA BUILDING, MECHANICAL, PLUMBING, AND OTHER APPLICABLE FEDERAL, STATE, OR LOCAL CODES AS ADOPTED AND ENFORCED BY THE LOCAL JURISDICTION. IN CASE THE PLANS SHOW MORE STRINGENT REQUIREMENTS, THE PLANS SHALL GOVERN THE DESIGN, YET NOTHING ON THE DESIGN DOCUMENTS SHALL BE INTERPRETED AS AUTHORITY TO VIOLATE CODE(S) OR REGULATION(S).
- SUBMISSION OF BID IN CONNECTION WITH THIS WORK SHALL IMPLY THAT THE BIDDER HAS EXAMINED THE JOB SITE UNDER WHICH THE CONTRACTOR WILL BE OBLIGATED TO OPERATE UNDER THIS CONTRACT. NO EXTRA CHARGE WILL BE ALLOWED FOR FAILURE OF ANY BIDDER TO EXAMINE THE SITE PRIOR TO BID.

#### **GENERAL NOTES**

- 4. IN THE EVENT OF A CONFLICT OR INCONSISTENCY BETWEEN ITEMS INDICATED ON DESIGN PLANS / SPECIFICATIONS WITH CODE REQUIREMENTS. THE MORE STRINGENT STANDARD SHALL PREVAIL.
- 5. THIS CONTRACTOR SHALL FURNISH LABOR, MATERIALS, EQUIPMENT, AND TRANSPORTATION AS REQUIRED TO PROPERLY INSTALL ALL NEW HVAC SYSTEMS OR RELATED COMPONENTS AS INDICATED ON PLANS AND SPECIFIED HEREIN.
- 6. ALL NEW EQUIPMENT AND MATERIAL TO BE INSTALLED AS PART OF THIS PROJECT SHALL BEAR AN UNDERWRITERS' LABORATORIES LABEL (UL), AND INSTALLED IN SUCH A MANNER FOR WHICH THEY ARE DESIGNED AND APPROVED.
- 7. THIS CONTRACTOR SHALL DOCUMENT AND RELAY ANY MAJOR DEVIATIONS FROM THE DESIGN DOCUMENTS, AND ATTAIN APPROVAL FROM THE MECHANICAL ENGINEER BEFORE PROCEEDING. AS-BUILT COPIES SHALL BE PROVIDED INDICATING ALL CHANGES / DEVIATIONS MADE DURING CONSTRUCTION.
- 8. ALL WORK SHALL BE PERFORMED IN A CLEAN AND WORKMANLIKE MANNER. CARE SHALL BE EXERCISED TO MINIMIZE ANY INCONVENIENCE OR DISTURBANCE TO OTHER AREAS OF THE BUILDING WHICH ARE TO REMAIN IN OPERATION. ISOLATE WORK AREAS BY MEANS TO KEEP DUST AND DIRT WITHIN THE CONSTRUCTION AREA.
- 9. NO PIPING, EQUIPMENT, ETC. SHALL BE REMOVED, DISCONNECTED OR SHUT DOWN WITHOUT PRIOR REVIEW WITH THE OWNER TO CONFIRM THAT AREAS TO REMAIN IN OPERATION WILL NOT BE AFFECTED. IF ANY AREAS NOT WITHIN THE SCOPE OF WORK ARE AFFECTED BY ANY SHUTDOWN, REMOVAL OR DISCONNECTION, SUFFICIENT ADVANCE NOTICE MUST BE GIVEN TO THE OWNER INDICATING WHICH AREAS WILL BE AFFECTED, WHEN THE PROPOSED SHUTDOWN WILL OCCUR, AND FOR HOW LONG A PERIOD OF TIME.
- 10. THE ARRANGEMENT OF EQUIPMENT AND PIPING SHOWN ON THE DRAWINGS IS BASED UPON INFORMATION AVAILABLE TO THE ENGINEER AT THE TIME OF DESIGN AND IS NOT INTENDED TO SHOW EXACT DIMENSIONS PECULIAR TO A SPECIFIC MANUFACTURER. THE DRAWINGS ARE, IN PART, DIAGRAMMATIC AND SOME FEATURES OF THE ILLUSTRATED EQUIPMENT INSTALLATION MAY REQUIRE REVISION TO MEET ACTUAL EQUIPMENT INSTALLATION REQUIREMENTS. STRUCTURAL SUPPORTS, FOUNDATIONS, CONNECTED PIPING, VALVES AND ELECTRICAL CONDUIT SPECIFIED MAY HAVE TO BE ALTERED TO ACCOMMODATE THE EQUIPMENT PROVIDED. NO ADDITIONAL PAYMENT WILL BE MADE FOR SUCH REVISIONS AND ALTERATIONS.
- 11. THIS CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT THE SITE MAKING FIELD MEASUREMENTS AND SHOP DRAWINGS NECESSARY FOR FABRICATION OR ERECTION OF HVAC SYSTEMS. MAKE ALLOWANCE FOR BEAMS, PIPES AND OTHER OBSTRUCTIONS IN BUILDING CONSTRUCTION. CHECK DRAWINGS SHOWING WORK OF OTHER TRADES AND CONSULT WITH THE OWNER'S REPRESENTATIVE IN THE EVENT OF POTENTIAL INTERFERENCE. SHOP DRAWINGS SHALL BE MINIMUM 1/4"=1'-0" SCALE, INDICATING FITTINGS, SIZES, WELDS AND CONFIGURATIONS AND SUBMITTED TO ENGINEER FOR REVIEW.
- 12. THIS CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER TRADES PRIOR TO FABRICATION, PURCHASE AND/OR INSTALLATION OF ALL WORK.
- 13. BEFORE COMMENCEMENT OF WORK, THIS CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS, ELEVATIONS, AND CHARACTERISTICS OF ALL UTILITIES.
- 14. CONTRACTOR SHALL SECURE AND PAY ALL FEES AND PERMITS PERTAINING TO THE CONTRACT.
- 15. EXISTING MATERIALS THAT ARE REMOVED SHALL NOT BE REUSED IN NEW SYSTEMS, EXCEPT WHERE INDICATED AS BEING RELOCATED.
- 16. ALL EQUIPMENT SHALL BE INSTALLED IN STRICT COMPLIANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS.
- 17. GALVANIZED SHEET METAL SHALL BE PROVIDED FOR ALL HVAC DUCT SYSTEMS, AND CONSTRUCTED / SUPPORTED / INSTALLED IN ACCORDANCE WITH THE 2010 CALIFORNIA MECHANICAL CODE AND THE LATEST SMACNA STANDARDS.
- 18. ALL PIPING SHALL BE INSTALLED AS INDICATED ON THE DRAWINGS IN A NEAT WORKMANSHIP-LIKE MANNER AND BE SUPPORTED AS REQUIRED BY CODES. PIPING SHALL BE SET UP AND DOWN AND OFFSET AS REQUIRED TO SUIT FIELD CONDITIONS. DIELECTRIC COUPLINGS SHALL BE USED WHERE DISSIMILAR METALS ARE JOINED.
- 19. THIS CONTRACTOR SHALL PROVIDE ALL NECESSARY SUPPORTS FOR FIXTURES, DUCTWORK, PIPING, AND MECHANICAL EQUIPMENT, IN ORDER TO COMPLY WITH CALIFORNIA BUILDING CODE, SMACNA INSTALLATION STANDARDS, AND ALL RELATED LOCAL ORDINANCES.
- 20. THIS CONTRACTOR SHALL NOT BORE, NOTCH, CUT, OR PENETRATE INTO A STRUCTURAL MEMBER WITHOUT
- WRITTEN APPROVAL FROM A DESIGNATED STRUCTURAL ENGINEER AND THE OWNER. 21. ALL PIPE ELBOWS SHALL BE LONG RADIUS UNLESS OTHERWISE SPECIFICALLY NOTED ON THE DRAWINGS.
- 22. ISOLATE AND DRAIN EXISTING PIPING SYSTEM AS REQUIRED TO ACCOMMODATE INSTALLATION OF THE WORK.
- 23. ALL MATERIAL EXPOSED WITHIN RA PLENUMS SHALL BE NON-COMBUSTIBLE OR SHALL HAVE A FLAME SPREAD INDEX NOT GREATER THAN 25 AND SMOKE DEVELOPED INDEX NOT GREATER THAN 50. COMPLY WITH
- 24. 2013 CBC MECHANICAL, ELECTRICAL AND PLUMBING EQUIPMENT ANCHORAGE NOTES:
- ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE OSHPD APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCES AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2013 CBC SECTIONS 1615A.1.17 THROUGH 1616A.1.27 AND ASCE 7-10
- 1) ALL PERMANENT EQUIPMENT AND COMPONENTS.
- 2) TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
- 3) MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.
- THE ATTACHMENT OF THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENT SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT.
- A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORTS THE COMPONENT.
- B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A
- FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.
- 25. PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTES:
- PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-05 SECTION 13.3 AS DEFINED IN ASCE 7-10 13.6.1 TO 13.6.8 AND 2013 CBC SECTIONS 1616A.1.23, 1616A.1.24, 1616A.1.25 AND 1616A.1.26.
- THE BRACING AND ATTACHMENTS TO THE STRUCTURE SHALL BE DETAILED ON THE APPROVED DRAWINGS OR THEY SHALL COMPLY WITH ONE OF THE OSHPD PREAPPROVAL OF MANUFACTURER'S CERTIFICATION (OPM #).
- COPIES OF THE MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF HANGING AND BRACING OF THE PIPE, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS.
- THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

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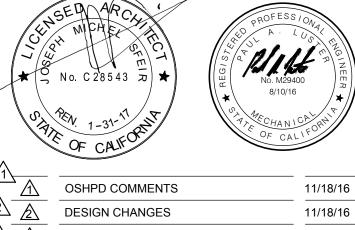
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11/18/16 11/18/16 OSHPD COMMENTS 02/15/17 02/15/17 DESIGN CHANGES 08/11/17 OSHPD COMMENTS DESIGN CHANGES 10/30/17



REV: DESCRIPTION:

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OSHPD #: S162093-37-00

GENERAL NOTES, LEGEND AND SHEET **INDEX** 

TCMC EMERGENCY DEPARTMENT

01593.00 CHECKED BY

As indicated

AIR BALA	NCE SCH	IEDULE																						
						COD	E REQUIREMENT	TS PER CMC TABL	_E 4-A					PROPC	SED DESIGN									
ROOM NUMBER	ROOM NAME	ROOM AREA (SF)	CEILING HEIGHT (FT)	ROOM SUPPLY (CFM)	ROOM EXHAUST (CFM)	ROOM RETURN (CFM)	ROOM OUTSIDE (CFM)	ROOM TOTAL AIR CHANGES (AC/HR)	ROOM OUTSIDE AIR (AC/HR)	AIR BALANCE RELATIONSHIP TO ADJACENT AREAS	ROOM EXHAUST (YES/NO)	ROOM SUPPLY (CFM)	ROOM EXHAUST (CFM)	ROOM RETURN (CFM)	ROOM TOTAL AIR CHANGES (AC/HR)	ROOM OUTSIDE AIR (AC/HR)	ROOM EXHAUST (AC/HR)	AIR BALANCE RELATIONSHIP TO ADJACENT AREAS ROOM SUPPLY (CFM)	ROOM EXHAUST (CFM)	ROOM RETURN (CFM)	ROOM TOTAL AIR CHANGES (AC/HR)	ROOM OUTSIDE AIR (AC/HR)	ROOM EXHAUST (AC/HR)	REMARKS
201	WAITING	885	11'-7"	1844	2048	-	307	12	2	N	YES	2270	2535	-	14.8	4.4	14.8							1
208A/208	WAITING	575	9	932	1035	-	155	12	2	N	YES	930	1025	-	12	3.6	12							1
210	OFFICE 01	85	9	77	-	77	26	6	2	NR	NO	235	-	235	18.4	6.1	-							1
211	OFFICE 02	85	9	77	-	77	26	6	2	NR	NO	235	-	235	18.4	6.1	-							1
203	SECURITY OFFICE	100	9	90	-	90	30	6	2	NR	NO	220	-	220	14.7	4.9	-							1
207A	TRIAGE 01	80	9	130	144	-	22	12	2	N	YES	200	220	-	18.3	5.6	18.3							1
207B	TRIAGE 02	86	9	140	155	-	23	12	2	N	YES	200	220	-	17	5.2	17							1
207	HALLWAY	500	9	300	-	300	150	4	2	NR	NO	500	ı	500	6.7	2.2	-							1
207C	EXAM 01	130	9	117	-	117	39	6	2	NR	NO	200	-	200	10.3	3.4	-							1
207D	EXAM 02	135	9	122	-	122	41	6	2	NR	NO	200	-	200	9.9	3.3	-							1
207E	EXAM 03	120	9	108	-	108	36	6	2	NR	NO	200	-	200	11.1	3.7	-							1
207F	EXAM 04	105	9	95	-	95	32	6	2	NR	NO	200	-	200	12.7	4.2	-							1
202	REGISTRATION	250	9	225		225	75	6	2	NR	NO	450	-	-	12	4	-							1
NA	RESTROOM	63	8'0"	59	84	-	20	10	-	N	YES	60	100	-	11.9	4	11.9							1
NA	RESTROOM	68	8'0"	66	91	-	22	10	-	N	YES	60	100	-	11.0	3.7	11.0							1
276	TOILET	66	8'0"	63	88	-	21	10	-	N	YES	75	100	-	11.4	3.8	11.4							1
277	STORAGE	37	8'0"	25	50	-	8	10	-	N	YES	55	80	-	16.2	5.4	16.2							1
278	TOILET	70	8'0"	68	93	-	23	10	-	N	YES	75	100	-	10.7	3.6	10.7							1
279	LOCKERS	212	9'6"	175	200	-	58	6	2	NR	NO	180	205	-	6.1	2	6.1							1

1 P = POSITIVE, NR = NO REQUIREMENT FOR CONTINUOUS DIRECTIONAL CONTROL, N = NEGATIVE
2 TO BE COMPLETED BY CONTRACTOR.

EXHAL	JST FAN																
MARK	MANUFACTURER & MODEL	LOCATION	TYPE	SERVICE	EMERGENCY POWER (Y/N)	AIRFLOW CFM	FAN ESP IN WG.	RPM	HP	ВНР	VOLTS	OTOR PHASE	RPM	ENCLOSURE	OPERATING WEIGHT LBS.	OSHPD OSP #	REMARKS
EF-1	GREENHECK CUBE-200-15	ROOF	CENTRIFUGAL UPBLAST	EMERGENCY DEPARTMENT	Y	4,400	.625	985	1.5	1.2	208	3	1725	ODP	184	OSP-0148-10	
•						4		4	•	4		•					

EXIS	TING AIR	HANDLI	NG UNIT																														
									SUPPLY FAN					RET	URN FAN													PRE-F	E-FILTERS FINA	AL FILTERS			
MARK	MANUFACTURER &	TYPE	SERVICE	EMERGENCY POWER	TOTAL OSA CEM	RA	RELIEF T	SP NC			МОТ	ΓOR				MOTOR			AIR S	IDE		WATE	R SIDE		AIR SIDE		WATE	R SIDE				REMARKS	,
	MODEL			(Y/N)	SA CFW	CEIVI	AIN IIN	QTY	RPM		RPM	VOLTS PH.	Q1 ASE	ry RPM	HP	VOLTS	PHASE	EA	.T °F	LAT °	F	GPM E	WT LW	T EAT	F LAT°F	41 114	GPM E	WT LWT	/T E	EFF F	EFF %		
										(EACH)								DB	WB	DB	WB	J	°F   °F	DB	DB	WC	J	F °F		%	, , ,		
(E) AHU-2	PACE P36	HORIZONTAL	ED WAITING AREA	Y	22335 7820	16385	1870	6 1	2708	40	3500	480	3 1	615	15	480	3	86	67.5	55	54	135	46 60	50	65	0.07	36 1	30 160	0 3	30%	99.97	1 2 3 1	
1 EXIS	I TING AHU-2 IS EQUIPF	r PED WITH 30% PRE-F	ILTERS AND 99.97% F	FINAL FILTERS, F	PER OSHPD PRO	DJECT HS	S-031017-37.						I	1 RES	SET THE OSA CFM	OF (E)AHU-2 TO THE VAI	LUES INDICATED IN	N THE SCH	IEDULE TO	) ENSURE	THAT TH	HE OSA PE	ERCENTAG	E OF THE	TOTAL SUPF	PLY AIR IS	S MAINTAINE	D ABOVE :	33.3%.	<u></u>			

2 EXISTING AHU-2 IS EQUIPPED WITH A SMOKE DETECTOR IN THE MAIN SUPPLY LEAVING THE AHU, FOR AUTOMATIC SHUTOFF UPON DETECTION OF SMOKE.

3 REBALANCE RA FAN. PROVIDE SHEAVES AND BELTS.

AIR	AIR TERMINALS																
						AIDE	-1 0)4/				F	HEATING COI	L				
MARK	MANUFACTURER &	LOCATION	SERVICE (ROOM)	INLET SIZE	DCV	AIRF	FLOW		AIR	SIDE				WATERSIDE			REMARKS
IVI/ALTIX	MODEL	LOGATION	SERVICE (NOSW)	IN	Y/N	AIRFLOW CFM	MAX HTG. CFM	HTG. MBH	EAT °F	LAT °F	MAX PD IN	GPM	EWT °F	LWT °F	MAX PD FT	ROWS	TILIVIATING
CAV-1	TITUS DESV	EXAM ROOM #2	EXAM ROOM #1	4	Υ	200	200	7.6	55	90	0.2	0.51	180	150	5	2	1
CAV-2	TITUS DESV	EXAM ROOM #2	EXAM ROOM #2	4	Y	200	200	7.6	55	90	0.2	0.51	180	150	5	2	1
CAV-3	TITUS DESV	HALLWAY	HALLWAY	6	Y	500	500	18.9	55	90	0.2	1.26	180	150	5	2	1
CAV-4	TITUS DESV	HALLWAY	MAIN WAITING AREA	14	Υ	2900	2900	109.7	55	90	0.2	7.31	180	150	5	2	1
CAV-5	TITUS DESV	EXAM 03	TRIAGE 01, 02, EXAM 03	7	Y	600	600	22.7	55	90	0.2	1.52	180	150	5	2	1
CAV-6	TITUS DESV	EXAM 04	EXAM 04	4	Υ	200	200	7.6	55	90	0.2	0.51	180	150	5	2	1
CAV-7	TITUS DESV	REGISTRATION WAITING	REGISTRATION WAITING	9	Y	930	930	35.2	55	90	0.2	2.35	180	150	5	2	1
CAV-8	TITUS DESV	REGISTRATION WAITING	REGISTRATION	6	Υ	450	450	17.1	55	90	0.2	1.14	180	150	5	2	1
CAV-9	TITUS DESV	OFFICE 02	OFFICE 01, 02, TOILETS	7	Υ	650	650	24.6	55	90	0.2	1.64	180	150	5	2	1
CAV-10	TITUS DESV	LOCKERS	LOCKERS, TOILET, STORAGE	6	Υ	385	385	14.6	55	90	0.2	0.97	180	150	5	2	1

1	PROVIDE MEMORY STOP ADJUSTMENT LEVER FOR MANUAL ADJUSTING

GRILLES, REGISTERS, DIFFUSERS										
MARK	DESCRIPTION	MATERIAL	STYLE	FRONT BLADES	DAMPER	FINISH	REMARKS			
CD-1	PRICE SMCD	STEEL	LAY-IN	MODULAR	N/A	1	2			
CD-2	PRICE SMCD	STEEL	HARD LID	MODULAR	N/A	1				
EG-1	PRICE 530	STEEL	HARD LID	HORIZONTAL	N/A	1				
RG-1	PRICE PDR 4	STEEL	LAY-IN	PERFORATED	N/A	1	3			
RG-2	PRICE 530	STEEL	HARD LID	HORIZONTAL	N/A	1				

1 COORDINATE WITH ARCHITECT.

2 PROVIDE W/ FILLER PANEL.

3 PROVIDE W/ DUCT COLLAR NECK.

ARCHITECTS

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11/18/16 02/15/17 02/15/17 DESIGN CHANGES DESIGN CHANGES REV: DESCRIPTION:



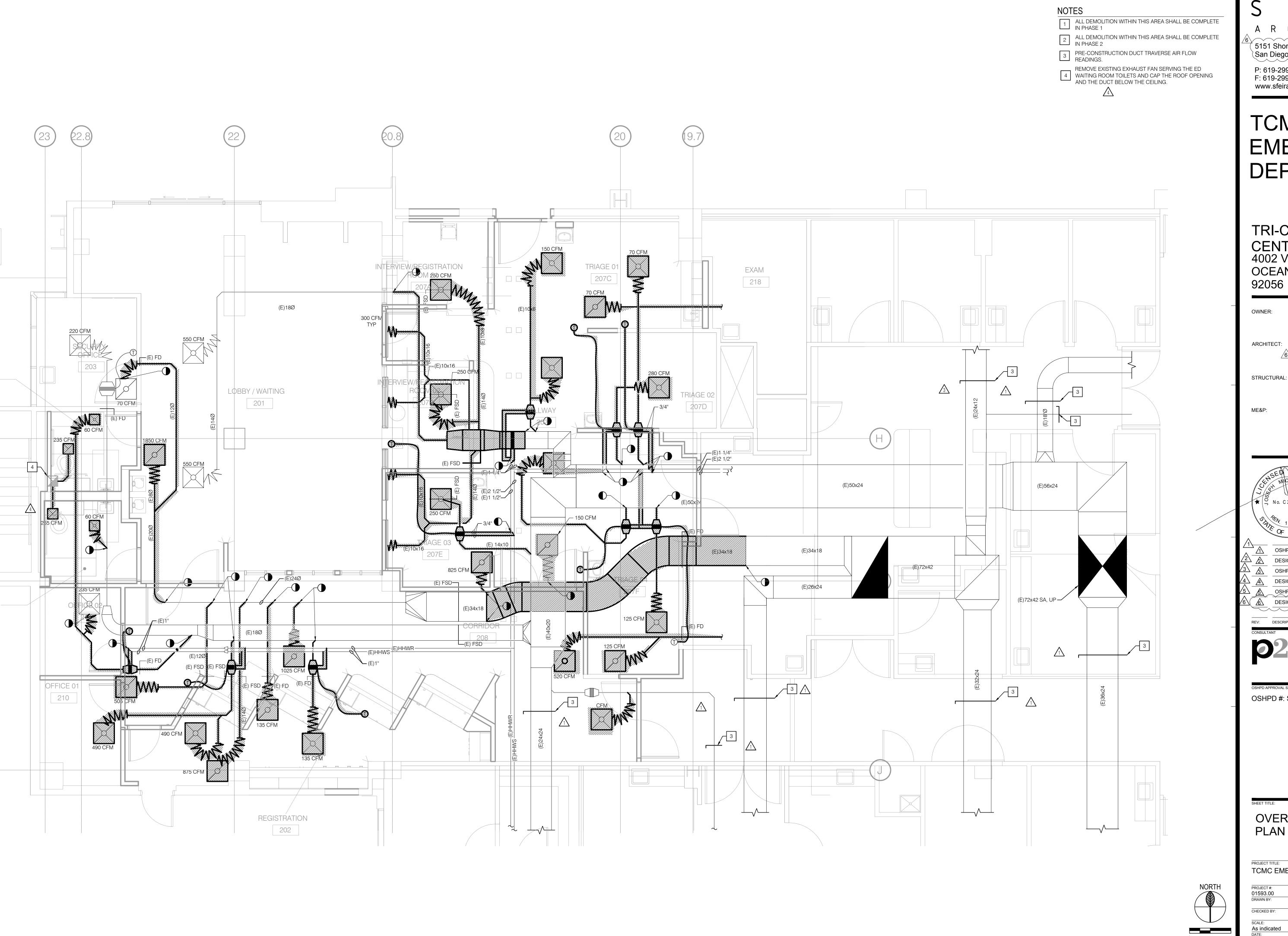
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SCHEDULES

TCMC EMERGENCY DEPARTMENT

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## TCMC **EMERGENCY** DEPARTMENT

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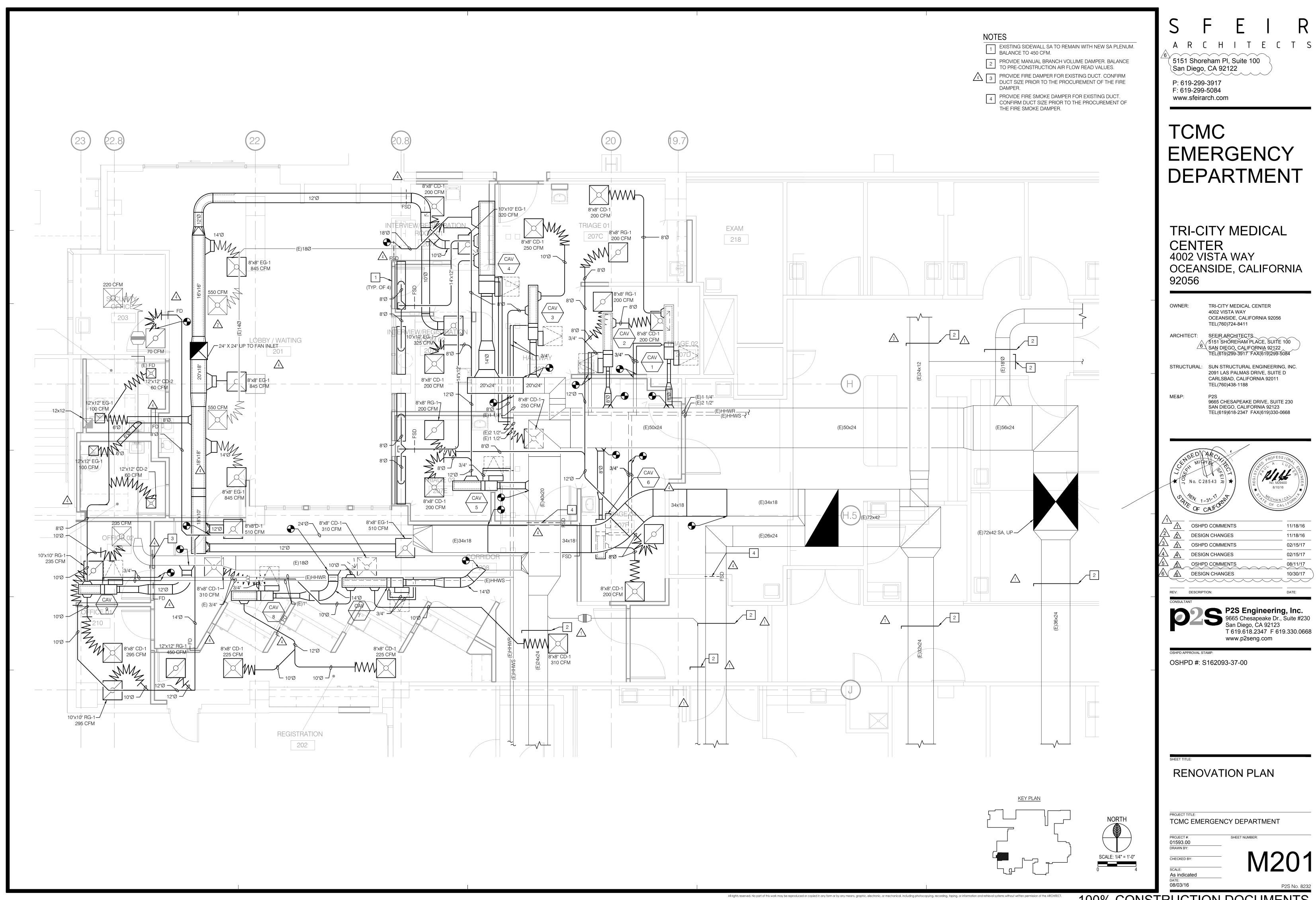
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**OVERALL DEMOLITION** 

TCMC EMERGENCY DEPARTMENT

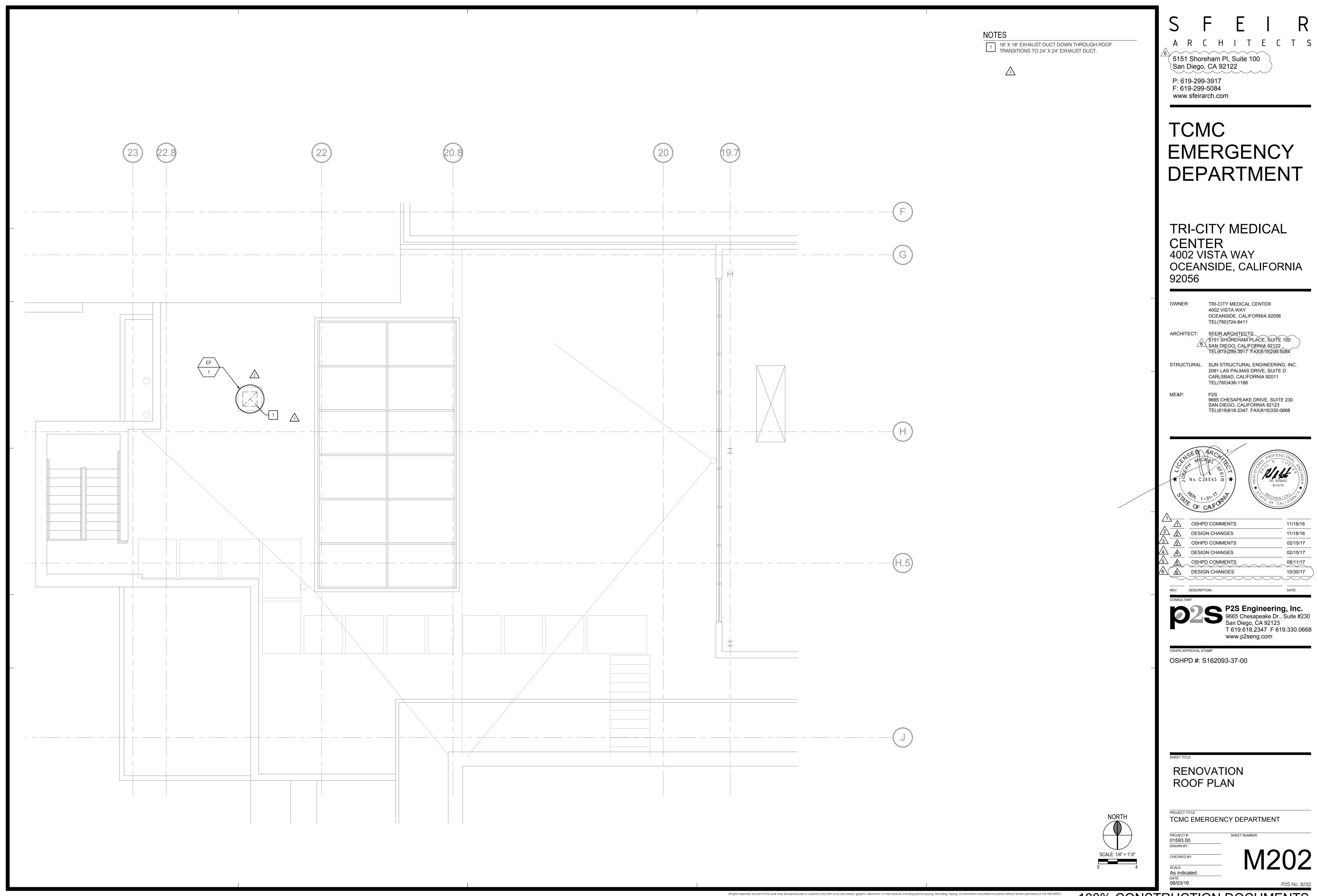
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OCEANSIDE, CALIFORNIA

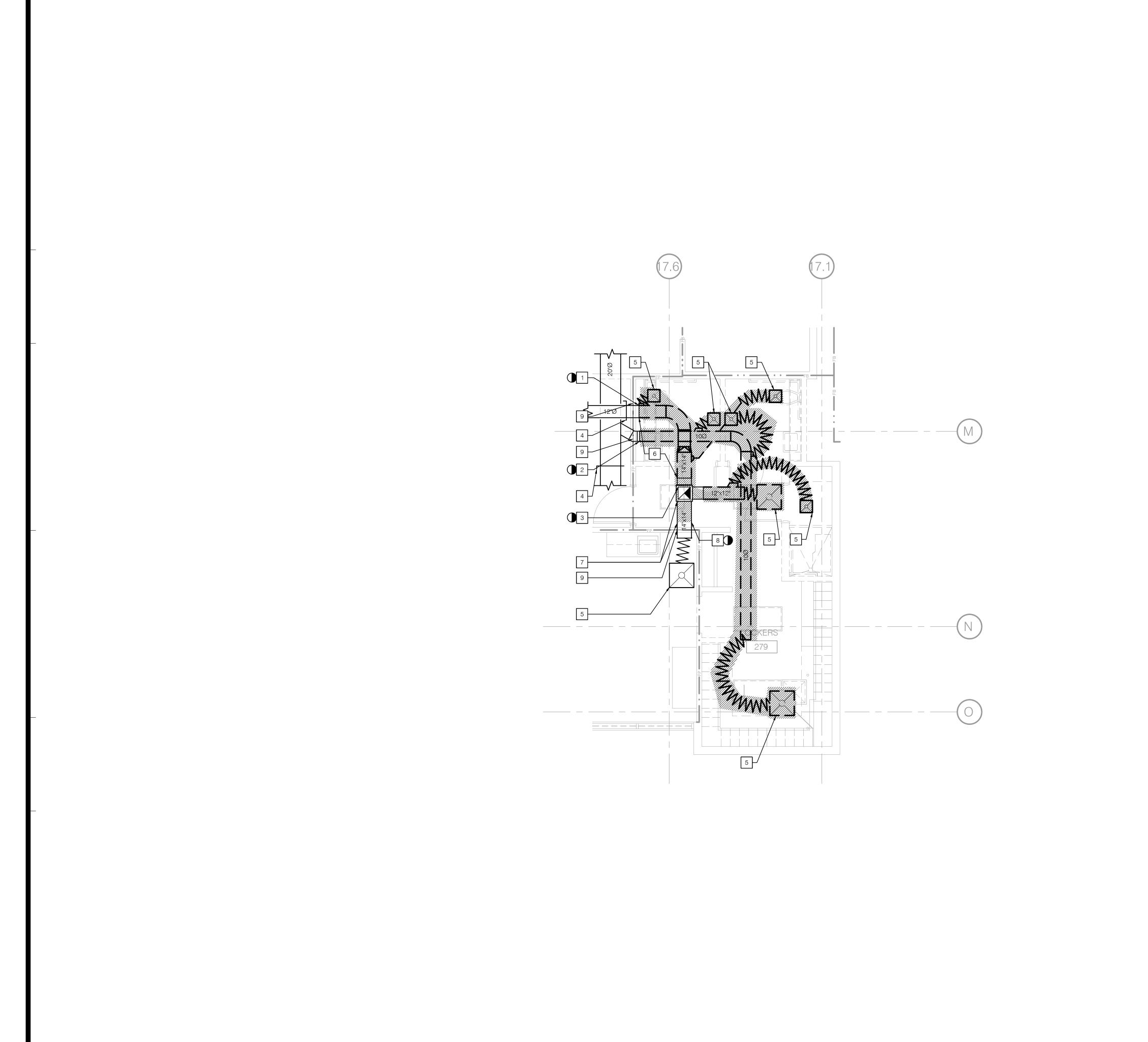


11/18/16 11/18/16 02/15/17 02/15/17





11/18/16 11/18/16 02/15/17 02/15/17



#### NOTES

1 POD AT 12" EXHAUST DUCT.

2 POD AT 10" SUPPLY DUCT.

3 POD AT 12" X 12" EXHAUST DUCT

PRE-CONSTRUCTION DUCT TRAVERSE AIR FLOW READINGS.

PROVIDE GRILLE AIRFLOW MEASUREMENT PRIOR TO THE COMMENCEMENT OF ANY WORK.

PROVIDE A TEMPORARY EXHAUST DUCT BETWEEN THE EXHAUST FROM THE FAN AND THE 12" EXHAUST DUCT TO PROVIDE EXHAUST AIR TO AREAS DOWNSTREAM OF THE EXHAUST FAN DURING CONSTRUCTION. ADJUST DAMPER PROVIDED TO MAINTAIN PRE CONSTRUCTION AIRFLOW READING.

PROVIDE A TEMPORARY EXHAUST DUCT BETWEEN THE EXHAUST FROM THE FAN AND THE 14" X 14" EXHAUST DUCT TO PROVIDE EXHAUST AIR TO AREAS DOWNSTREAM OF THE EXHAUST FAN DURING CONSTRUCTION. ADJUST DAMPER PROVIDED TO MAINTAIN PRE CONSTRUCTION AIRFLOW READING.

8 POD AT 14" X 14" EXHAUST DUCT.

9 EXISTING FIRE DAMPERS.

KEY PLAN

ARCHITECTS

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## TCMC **EMERGENCY** DEPARTMENT

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TEL(760)438-1188

P2S 9665 CHESAPEAKE DRIVE, SUITE 230 SAN DIEGO, CALIFORNIA 92123 TEL(619)618-2347 FAX(619)330-0668



OSHPD COMMENTS 11/18/16 11/18/16 DESIGN CHANGES 02/15/17 OSHPD COMMENTS 02/15/17 DESIGN CHANGES DESIGN CHANGES

REV: DESCRIPTION:

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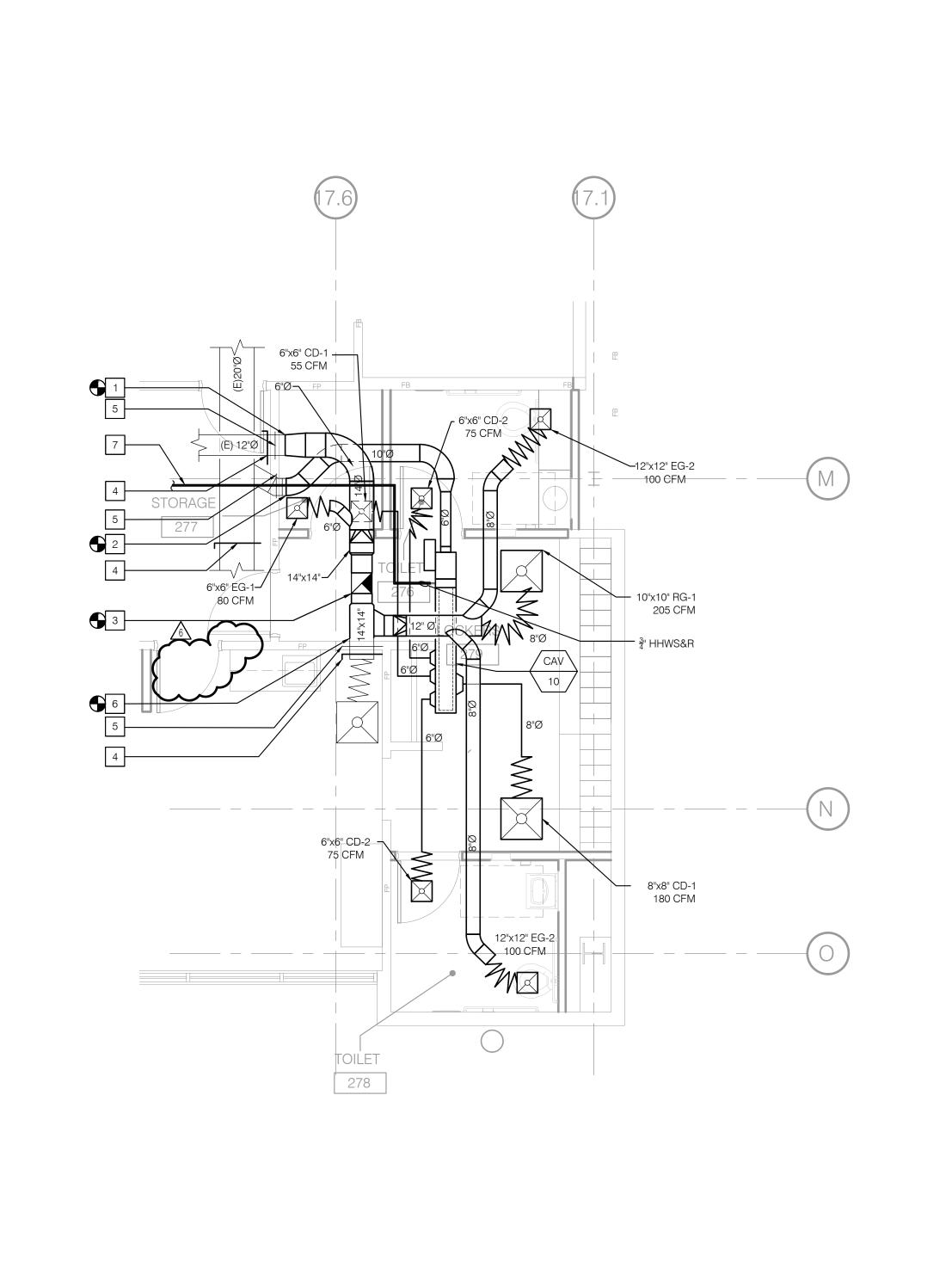
**DEMOLITION PLAN** 

TCMC EMERGENCY DEPARTMENT

01593.00 SCALE: As indicated

100% CONSTRUCTION DOCUMENTS

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





1 POC TO 12" EXHAUST DUCT.

2 POC 10" SUPPLY DUCT.

3 POC TO 12" X 12" EXHAUST DUCT TO FAN.

PROVIDE MANUAL BRANCH VOLUME DAMPER. BALANCE TO PRE-CONSTRUCTION AIR FLOW READ VALUE'S. VERIFY (E) DUCT SIZE PRIOR TO PROCUREMENT OR FABRICATION OF DAMPER.

5 EXISTING FIRE DAMPER.

KEY PLAN

6 POC TO 12" X 12" EXHAUST DUCT.

7 INTERCEPT HHWS & R MAINS IN THE CEILING SPACE OF THE ADJACENT ROOM.

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$^{\wedge}$ $^{\wedge}$	OSHPD COMMENTS	11/18/16
<u>/2\</u> <u>2\</u>	DESIGN CHANGES	11/18/16
3\ 3\	OSHPD COMMENTS	02/15/17
4 4	DESIGN CHANGES	02/15/17
5 5	OSHPD COMMENTS	08/11/17
6 6	DESIGN CHANGES	10/30/17

REV: DESCRIPTION:



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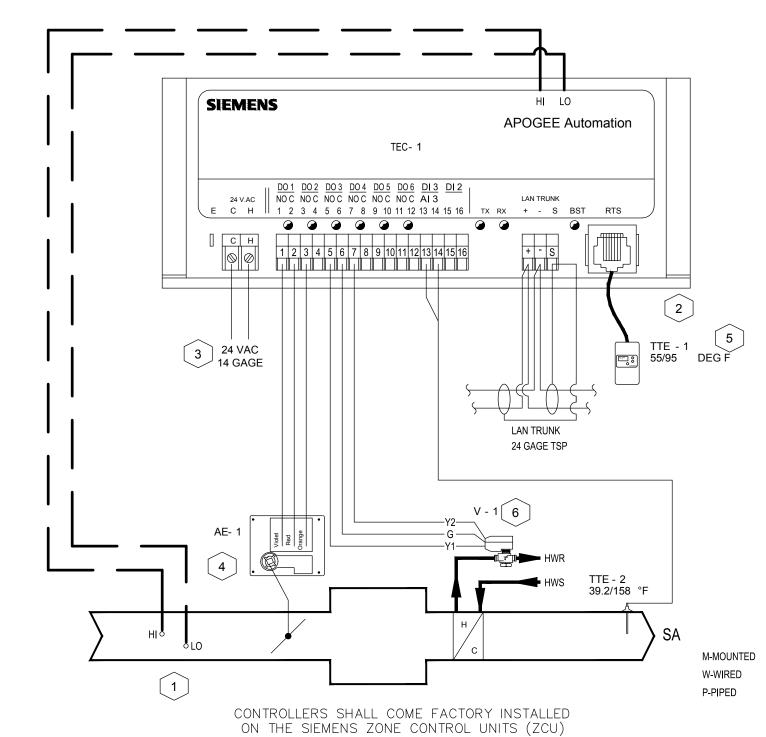
RENOVATION PLAN

TCMC EMERGENCY DEPARTMENT

01593.00

As indicated

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

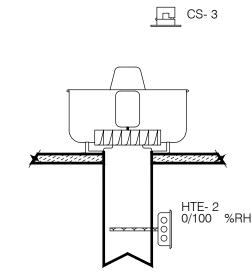


#### INSTALLATION NOTES:

- 1 CV BOX INSTALLED BY MECHANICAL CONTRACTOR WITH 3 TO 5 STRAIGHT DUCT DIAMETERS UPSTREAM OF BOX TO PROVIDE PROPER FLOW SENSING.
- 2 TEC-1 TO BE MOUNTED IN MANUFACTURER SUPPLIED CONTROLLER ENCLOSURE
- 3 REFER TO BUILDING POWER TRUNK DRAWING FOR 24 VAC POWER
- MOUNT ACTUATOR IN FULL CLOCKWISE POSITION WITH DAMPER FULL OPEN POSITION. VERIFY TEC-1 AND ACTUATOR REQUIREMENT WITH THE BOX MANUFACTURER
- 5 LOCATE AS SHOWN ON FLOOR PLANS/CONTRACT DOCUMENTS
- 6 PRESSURE INDEPENDANT VALVES ARE TO BE USED.

DE)/105	SIEM	IENS		D1) (10101-140	D1) // 01 01 1 45	
DEVICE	FITTER	ELEC.	MANUFACTURER	DIVISION 16	DIVISION 15	
TTE-1,2		M,W				
AE-1			M,W			
TEC-1			M,W,P			
V-1		W			М	
LAN TRUNK		W				
POWER (24VAC)		W				

2 CAV CONTROL DIAGRAM
NO SCALE



### EF-1 DDC POINT SCHEDULE

POINT	DESCRIPTION	AO	Al	DO	DI
VFD-3	EXHAUST FAN			Χ	Х
HTE-2	EXHAUST AIR HUMIDITY (RH)		Х		
CS-3	STATUS				Х

1 EXHAUST FAN CONTROL DIAGRAM
NO SCALE

SFEI

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ME&P:

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$\Lambda$	OSHPD COMMENTS	11/18/16
$\frac{\sqrt{2}}{\sqrt{2}}$	DESIGN CHANGES	11/18/16
$\frac{\sqrt{3}}{\sqrt{3}}$	OSHPD COMMENTS	02/15/17
4 4	DESIGN CHANGES	02/15/17
<u></u>	OSHPD COMMENTS	08/11/17
66	DESIGN CHANGES	10/30/17

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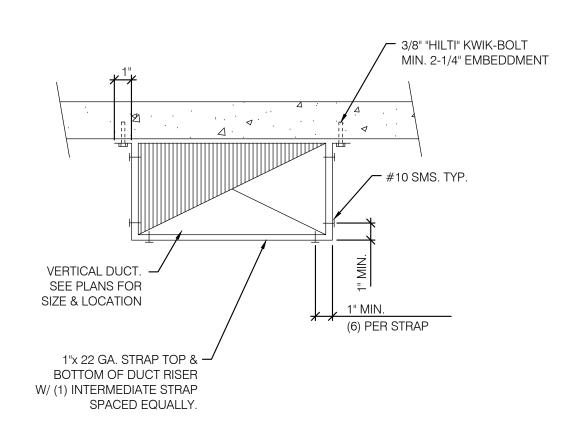
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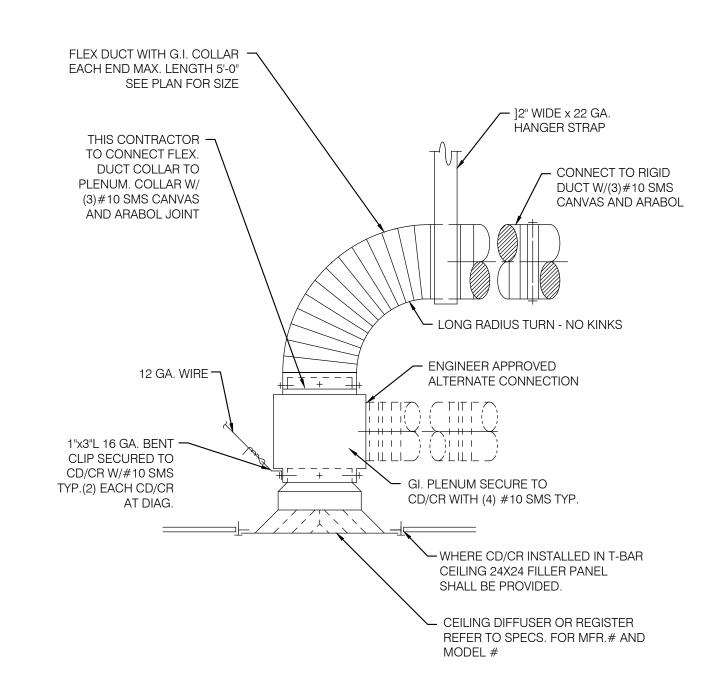
DIAGRAMS / CONTROLS

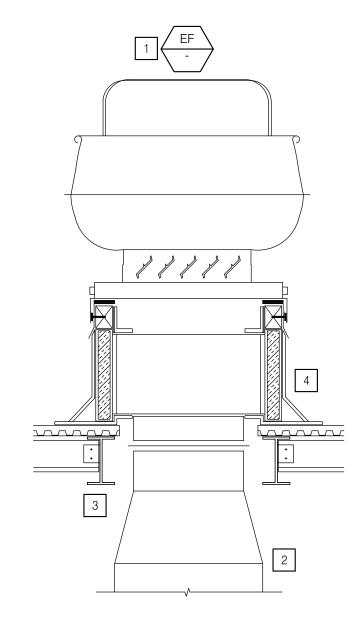
PROJECT TITLE:
TCMC EMERGENCY DEPARTMENT

PROJECT #:
01593.00
DRAWN BY:
CHECKED BY:

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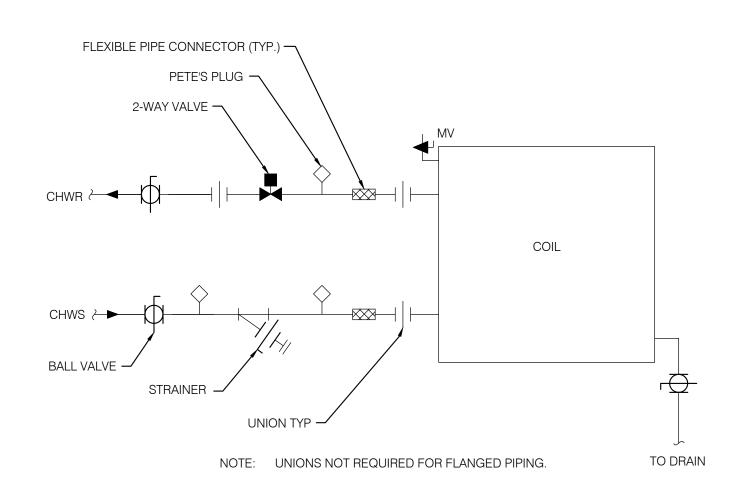
#### NOTES

- PROVIDE EXHAUST FAN ON MINIMUM 1'-0" HIGH, 18 GAUGE GALVANIZED STEEL, FACTORY FURNISHED ROOF CURB WITH 1-1/2", 3 POUND THERMAL AND ACOUSTICAL INSULATION. PROVIDE NEOPRENE RUBBER GASKET BETWEEN FAN AND CURB. SECURE FAN TO CURB WITH MINUMUM FOUR 1/2" DIAMETER A307 MACHINE BOLT AND NUT (ONE AT EACH CORNER). PROVIDE BACKDRAFT DAMPER AT FAN INLET.
- PROVIDE GALVANIZED STEEL EXHAUST AIR DUCT UP THROUGH ROOF CURB AND CONNECT TO FAN INTAKE. PROVIDE FLEX CONNECTION BEFORE FINAL CONNECTION.
- REFER TO STRUCTURAL DRAWINGS FOR SUPPORT ANGLE REQUIREMENTS.
- REFER TO ARCHITECTURAL DRAWINGS FOR ROOFING, FLASHING AND ROOF OPENING REQUIREMENTS.

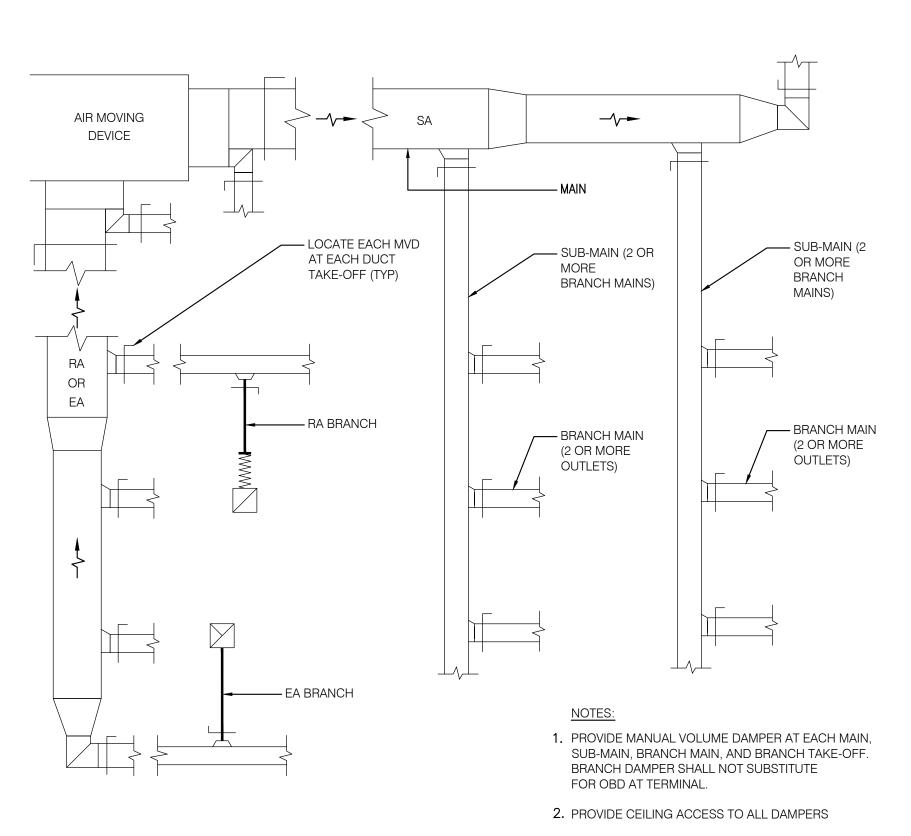
6 VERTICAL DUCT SUPPORT



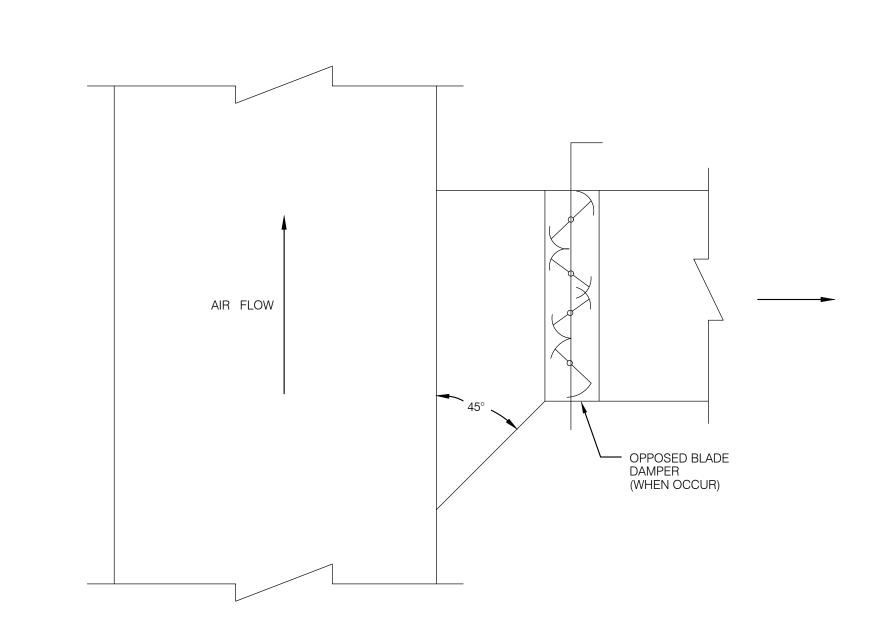




2-WAY COOLING COIL PIPING DIAGRAM (FOR HEATING AND COOLING)



3 TYPICAL MANUAL VOLUME DAMPER LOCATION DIAGRAM
NO SCALE



BRANCH DUCT (RECTANGULAR)

NO SCALE

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A R L H I I E L

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OSHPD COMMENTS

DESIGN CHANGES

11/18/16

11/18/16

OSHPD COMMENTS

O2/15/17

DESIGN CHANGES

O2/15/17

OSHPD COMMENTS

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OSHPD #: S162093-37-00

DETAILS

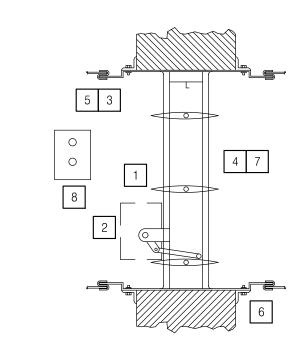
PROJECT TITLE:
TCMC EMERGENCY DEPARTMENT

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CHECKED BY:

SCALE:
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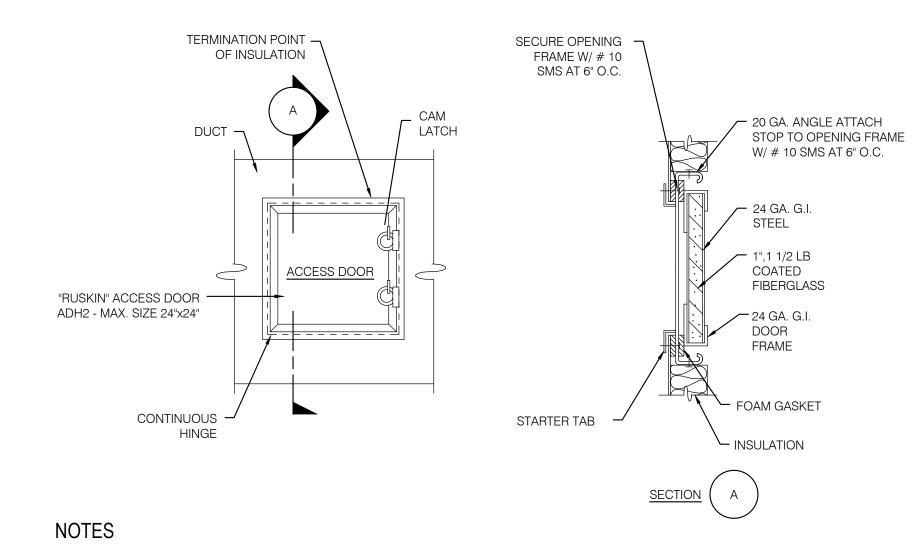
- WALL FLOOR FIRE SMOKE DAMPER WITH AIRFOIL BLADES. PER NFPA 90A, ACCESS DOOR IS REQUIRED ON JACKSHAFT SIDE

  PLAIN "S" DUCT CONNECTION DO NOT BOLT OR SCREW DUCT TO SLEEVE. OF THE DAMPER. REFER TO SPECIFICATION SECTION 15910 FOR ADDITIONAL REQUIREMENTS.
- 2 FIRE SMOKE DAMPER JACKSHAFT AND ACTUATOR.
- MOUNTING ANGLE SHALL BE MINIMUM OF 1-1/2"X 1-1/2"X14 GAUGE WITH MINIMUM 1" OVERLAP OF WALL ON EACH SIDE.
- OPENING TO BE 1/4" PER FOOT LARGER THAN DAMPER DIMENSIONS. PROVIDE DUCT ACCESS DOOR AT EACH DIMENSIONS. PROVIDE DUCT ACCESS DOOR AT EACH COMBINATION SMOKE/FIRE DAMPER. DOORS AHLL BE LOCATED SO THAT THE FIRE DAMPER CATCH MAYBE RELEASED WITH THE FIRE DAMPER IN A CLOSED POSITION AND FUSIBLE LINK REPLACED. EACH DOOR SHALL BE STENCILED "SMOKE/FIRE DAMPER ACCESS".
- 6 1 HOUR FIRE CONSTRUCTION BY OTHERS.
- WALL FLOOR FIRE SMOKE DAMPER SHALL BE INSTALLED PER MANUFACTURERS INSTRUCTIONS. DAMPER SHALL BE RUSKIN FSD 60-2 AIRFOIL BLADE DESIGN. DAMPER SHALL BE CLASS 2, UL555S 1-1/2 HOUR FIRE RESISTANCE RATING. NFPA STANDARDS 80, 90A, 92A, 92B, 101& 105 UL555S LISTING R5531 CSFM COMBINATION FIRE/SMOKE DAMPER LISTING
- 8 REFER TO ELECTRICAL AND FIRE ALARM DRAWINGS FOR ADDITIONAL REQUIREMENTS.

#3235-0245:0126







1. ALL ACCESS DOORS TO BE MIN. 12"X12" OR AS APPROVED.



## TCMC **EMERGENCY** DEPARTMENT

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OSHPD COMMENTS 11/18/16 11/18/16 DESIGN CHANGES 02/15/17 OSHPD COMMENTS 02/15/17 DESIGN CHANGES 08/11/17 10/30/17 DESIGN CHANGES

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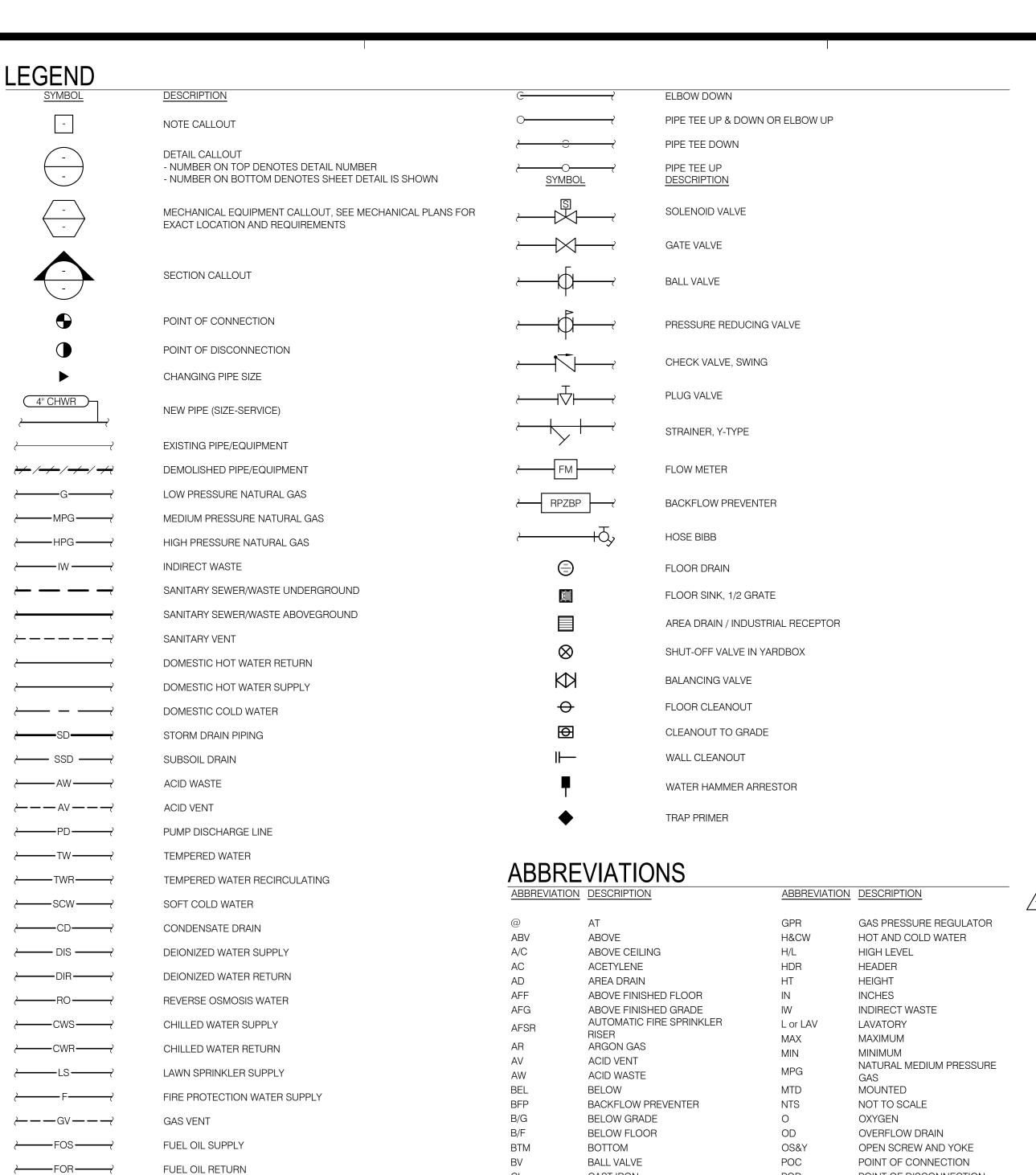
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OSHPD #: S162093-37-00

**DETAILS** 

TCMC EMERGENCY DEPARTMENT

01593.00 As indicated



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**FUEL OIL VENT** 

WASTE OIL

OXYGEN

VACUUM

**ROOF DRAIN** 

LUBRICATING OIL

WASTE OIL VENT

LIQUID OXYGEN

COMPRESSED AIR

MEDICAL COMPRESSED AIR

LABORATORY COMPRESSED AIR

HEATING HOT WATER SUPPLY

HEATING HOT WATER RETURN

OVERFLOW ROOF DRAIN

MEDICAL VACUUM

SURGICAL VACUUM

LABORATORY VACUUM

NITROGEN

NITROUS OXIDE

CARBON DIOXIDE

VALVE AT RISE

HIGH PRESSURE COMPRESSED AIR

NONPOTABLE HOT WATER RETURN

LUBRICATING OIL VENT

			<u> </u>
@	AT	GPR	GAS PRESSURE REGULATOR
ABV	ABOVE	H&CW	HOT AND COLD WATER
A/C	ABOVE CEILING	H/L	HIGH LEVEL
AC	ACETYLENE	HDR	HEADER
AD	AREA DRAIN	HT	HEIGHT
AFF	ABOVE FINISHED FLOOR	IN	INCHES
AFG	ABOVE FINISHED GRADE	IW	INDIRECT WASTE
AFSR	AUTOMATIC FIRE SPRINKLER	L or LAV	LAVATORY
	RISER	MAX	MAXIMUM
AR	ARGON GAS	MIN	MINIMUM
AV	ACID WARTE	MPG	NATURAL MEDIUM PRESSUF
AW	ACID WASTE		GAS
BEL 	BELOW	MTD	MOUNTED
BFP	BACKFLOW PREVENTER	NTS	NOT TO SCALE
B/G	BELOW GRADE	Ο	OXYGEN
B/F	BELOW FLOOR	OD	OVERFLOW DRAIN
BTM	BOTTOM	OS&Y	OPEN SCREW AND YOKE
BV	BALL VALVE	POC	POINT OF CONNECTION
CI	CAST IRON	POD	POINT OF DISCONNECTION
CIP	CAST IRON PIPE	PSI	POUNDS PER SQUARE INCH
CLG	CEILING	RD	ROOF DRAIN
COTG	CLEAN-OUT TO GRADE	RI&C	ROUGH-IN AND CONNECT
CU	CUBIC	S	SINK, SEWER, SOIL
CW	COLD WATER	SD	STORM DRAIN
DEPT	DEPARTMENT	SOV	SHUT-OFF VALVE
DF	DRINKING FOUNTAIN	SQ	SQUARE
DIA	DIAMETER	SS	SERVICE SINK
DN	DOWN	T/A	TO ABOVE
DS	DOWNSPOUT	T/B	TO BELOW
DWG	DRAWING(S)	TP	TRAP PRIMER
(E)	EXISTING	TYP	TYPICAL
EXIST	EXISTING	UG	UNDERGROUND
EQUIP	EQUIPMENT	UON	UNLESS OTHERWISE NOTED
EWC	ELECTRIC WATER COOLER	UR	URINAL
EVVC F	FIRE	V	SANITARY VENT
r F/A	FROM ABOVE	v VOLT	VOLTAGE
F/B	FROM BELOW	VOLI	VENT THRU ROOF
FCO	FLOOR CLEAN-OUT	W	WASTE
FD	FLOOR DRAIN	W/	WITH
FF =	FINISHED FLOOR	WC	WATER CLOSET
FM 	FORCE MAIN	WCO	WALL CLEAN-OUT
FS	FLOOR SINK	WH	WATER HEATER
FT	FEET	WHA	WATER HAMMER ARRESTOF
G	NATURAL GAS (LOW		E WILL BE MADE TO ANSI Y1.1,
	PRESSURE)		'ANDARD IN THE EVENT ONS NOT MENTIONED HEREIN AF
GAL	GALLONS DEPLAINING		REVIATIONS, AND OTHER STANDA
GPM	GALLONS PER MINUTE		CONVENTIONS.

#### **GENERAL NOTES**

- 1. ALL WORK SHALL COMPLY WITH THE 2013 EDITIONS OF THE CALIFORNIA BUILDING. MECHANICAL. PLUMBING. AND OTHER APPLICABLE FEDERAL, STATE, OR LOCAL CODES AS ADOPTED AND ENFORCED BY THE LOCAL JURISDICTION. IN CASE THE PLANS SHOW MORE STRINGENT REQUIREMENTS, THE PLANS SHALL GOVERN THE DESIGN, YET NOTHING ON THE DESIGN DOCUMENTS SHALL BE INTERPRETED AS AUTHORITY TO VIOLATE CODE(S) OR REGULATION(S).
- 2. SUBMISSION OF BID IN CONNECTION WITH THIS WORK SHALL IMPLY THAT THE BIDDER HAS EXAMINED THE JOB SITE UNDER WHICH THE CONTRACTOR WILL BE OBLIGATED TO OPERATE UNDER THIS CONTRACT. NO EXTRA CHARGE WILL BE ALLOWED FOR FAILURE OF ANY BIDDER TO EXAMINE THE SITE PRIOR TO BID.
- 3. WHERE USED, THE TERM "PROVIDE" SHALL MEAN "FURNISH AND INSTALL".
- 4. IN THE EVENT OF A CONFLICT OR INCONSISTENCY BETWEEN ITEMS INDICATED ON DESIGN PLANS / SPECIFICATIONS WITH CODE REQUIREMENTS, THE MORE STRINGENT STANDARD SHALL PREVAIL.
- 5. CONTRACTOR SHALL FURNISH LABOR, MATERIALS, EQUIPMENT, AND TRANSPORTATION AS REQUIRED TO PROPERLY INSTALL ALL PLUMBING SYSTEMS OR RELATED COMPONENTS AS INDICATED ON PLANS AND SPECIFIED HEREIN.
- 6. ALL NEW EQUIPMENT AND MATERIAL TO BE INSTALLED AS PART OF RENOVATION / NEW CONSTRUCTION SHALL BEAR AN UNDERWRITERS LABORATORIES LABEL (UL), AND INSTALLED IN SUCH A MANNER FOR WHICH THEY ARE DESIGNED AND APPROVED.
- 7. CONTRACTOR SHALL DOCUMENT AND RELAY ANY MAJOR DEVIATIONS FROM THE DESIGN DOCUMENTS, AND ATTAIN APPROVAL FROM THE MECHANICAL ENGINEER BEFORE PROCEEDING. AS-BUILT COPIES SHALL BE PROVIDED INDICATING ALL CHANGES / DEVIATIONS MADE DURING CONSTRUCTION. CONTRACTOR SHALL PROVIDE COMPLETED AS-BUILT DRAWINGS IN THE LATEST VERSION OF AUTOCAD.
- 8. ALL WORK SHALL BE PERFORMED IN A CLEAN AND WORKMANLIKE MANNER. CARE SHALL BE EXERCISED TO MINIMIZE ANY INCONVENIENCE OR DISTURBANCE TO OTHER AREAS OF THE BUILDING WHICH ARE TO REMAIN IN OPERATION. ISOLATE WORK AREAS BY MEANS TO KEEP DUST AND DIRT WITHIN THE CONSTRUCTION AREA.
- 9. NO PIPING, EQUIPMENT, ETC. SHALL BE REMOVED, DISCONNECTED OR SHUT DOWN WITHOUT PRIOR REVIEW WITH THE COLLEGE TO CONFIRM THAT AREAS TO REMAIN IN OPERATION WILL NOT BE AFFECTED, IF ANY AREAS NOT WITHIN THE SCOPE OF WORK ARE AFFECTED BY ANY SHUTDOWN, REMOVAL OR DISCONNECTION, SUFFICIENT ADVANCE NOTICE MUST BE GIVEN TO THE COLLEGE INDICATING WHICH AREAS WILL BE AFFECTED, WHEN THE PROPOSED SHUTDOWN WILL OCCUR, AND FOR HOW LONG A PERIOD OF TIME.
- 10. THE ARRANGEMENT OF EQUIPMENT AND PIPING SHOWN ON THE DRAWINGS IS BASED UPON INFORMATION AVAILABLE TO THE ENGINEER AT THE TIME OF DESIGN AND IS NOT INTENDED TO SHOW  $\,\,$  EXACT DIMENSIONS PECULIAF TO A SPECIFIC MANUFACTURER. THE DRAWINGS ARE, IN PART, DIAGRAMMATIC AND SOME FEATURES OF THE ILLUSTRATED EQUIPMENT INSTALLATION MAY REQUIRE REVISION TO MEET ACTUAL EQUIPMENT INSTALLATION REQUIREMENTS. STRUCTURAL SUPPORTS, FOUNDATIONS, CONNECTED PIPING, VALVES, PIPE SUPPORTS AND ELECTRICAL CONDUIT SPECIFIED MAY HAVE TO BE ALTERED OR ADDITIONAL ITEMS REQUIRED TO ACCOMMODATE THE EQUIPMENT PROVIDED. NO ADDITIONAL PAYMENT WILL BE MADE FOR SUCH REVISIONS, ALTERATIONS AND / OR
- 11. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT THE SITE MAKING FIELD MEASUREMENTS AND PROVIDE SHOP DRAWINGS NECESSARY FOR FABRICATION OR ERECTION OF ALL HVAC AND PIPING SYSTEMS. MAKE ALLOWANCE FOR BEAMS, PIPES AND OTHER OBSTRUCTIONS IN BUILDING CONSTRUCTION. CHECK DRAWINGS SHOWING WORK OF OTHER TRADES AND CONSULT WITH THE UNIVERSITY REPRESENTATIVE IN THE EVENT OF POTENTIAL INTERFERENCE SHOP DRAWINGS SHALL BE MINIMUM 1/4"=1'-0" SCALE, INDICATING FITTINGS, SIZES, WELDS AND CONFIGURATIONS AND SUBMITTED TO ENGINEER FOR REVIEW. CONTRACTOR SHALL PROVIDE DIMENSIONED SHOP DRAWINGS COMPLETED IN THE LATEST VERSION OF AUTOCAD.
- 12. CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER TRADES PRIOR TO FABRICATION, PURCHASE AND/OR INSTALLATION OF ALL WORK.
- 13. BEFORE COMMENCEMENT OF WORK, CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS, ELEVATIONS, AND CHARACTERISTICS OF ALL UTILITIES.
- 14. CONTRACTOR SHALL SECURE AND PAY ALL FEES AND PERMITS PERTAINING TO THE CONTRACT.
- 15. EXISTING MATERIALS THAT ARE REMOVED SHALL NOT BE REUSED IN NEW SYSTEMS, EXCEPT WHERE INDICATED AS BEING RELOCATED.
- ALL EQUIPMENT SHALL BE INSTALLED IN STRICT COMPLIANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS.
- ALL PLUMBING FIXTURE VENTS TO TERMINATE MINIMUM 12 INCHES FROM ANY VERTICAL SURFACE AND NOT LESS THAN 25 FEET FROM ANY AIR INTAKE OR VENT SHAFT. COMPLY WITH CPC SECTION 906.
- 18. ALL PIPING SHALL BE INSTALLED AS INDICATED ON THE DRAWINGS IN A NEAT WORKMANSHIP-LIKE MANNER AND BE CONDITIONS. DIELECTRIC COUPLINGS SHALL BE USED WHERE DISSIMILAR METALS ARE JOINED.
- 19. ALL PIPING DISCHARGING INTO FLOOR-SINKS AND/OR FLOOR DRAINS SHALL MAINTAIN MINIMUM AIR-GAP AS
- 20. ALL VALVES, UNIONS, ETC. TO BE SAME SIZE AS LINE SIZE UNLESS OTHERWISE INDICATED ON DRAWINGS.
- 21. ISOLATE AND DRAIN EXISTING PIPING SYSTEM AS REQUIRED TO ACCOMMODATE INSTALLATION OF THE WORK.
- 22. UNIONS SHALL BE PROVIDED AND INSTALLED AFTER EACH SCREW-TYPE VALVE AND PRIOR TO EQUIPMENT CONNECTIONS.
- 23. EQUIPMENT ANCHORAGE NOTES:
- ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2013 CBC, SECTIONS 1616A.1.18 THROUGH 1616A.1.26 AND ASCE 7-10 CHAPTER 6 AND 30.
- A. ALL PERMANENT EQUIPMENT AND COMPONENTS.
- B. TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
- C. MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.

THE ATTACHMENT OF THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT:

- A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
- B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD AND THE DSA DISTRICT STRUCTURAL ENGINEER. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

- 24. PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE
- PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-10 SECTION 13.3 AS DEFINED IN ASCE 7-10 SECTION 13.6.8, 13.6.7, 13.6.5.6 ITEM 6, AND 2013 CBC SECTIONS 1616A.1.23, 1616A.1.24, 1616A.1.25 AND 1616A.1.26.

THE BRACING AND ATTACHMENTS TO THE STRUCTURE SHALL BE DETAILED ON THE APPROVED DRAWINGS OR THEY SHALL COMPLY WITH ONE OF THE OSHPD PRE-APPROVALS (OPM #) AS MODIFIED TO SATISFY ANCHORAGE REQUIREMENTS OF ACI 318, APPENDIX D.

COPIES OF THE MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF HANGING AND BRACING OF THE PIPE, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM.

THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

- 25. PLUMBING FIXTURES AND FAUCETS SHALL BE CERTIFIED BY THE STATE OF CALIFORNIA ENERGY COMMISSION AS REQUIRED BY THE CALIFORNIA ENERGY EFFICIENCY STANDARDS SECTION S-5314 AND TABLE "G".
- 26. ALL SOIL, WASTE, STORM DRAIN AND VENT PIPING SHALL SLOPE AT 2% UNLESS OTHERWISE INDICATED.
- 27. PIPING THROUGH FIRE RATED WALLS SHALL BE PER U.L. FIRE RESISTANCE SYSTEM NO. W1001. SEE ARCHITECTURAL PLANS FOR ALL WALL LOCATIONS.

28. REFER TO THE SPECIFICATIONS BOOK FOR ADDITIONAL REQUIREMENTS.

#### **GENERAL NOTES**

- 29. ALL CLEANOUTS SHALL BE INSTALLED WHERE READILY ACCESSIBLE. THE CONTRACTOR SHALL COORDINATE ALL CLEANOUT LOCATIONS WITH EQUIPMENT, CABINETS, ETC. AND THE ARCHITECT PRIOR TO ANY INSTALLATION.
- 30. KEEP ALL PIPING FROM LOAD BEARING FOOTINGS. IF UNABLE TO CLEAR FOOTINGS OR GRADE BEAMS, INSTALL PIPING
- 31. BEFORE FABRICATION OR INSTALLATION, THE CONTRACTOR SHALL VERIFY EXACT LOCATIONS OF ALL EQUIPMENT AND FIXTURES. EXACT ROUGH-IN LOCATIONS AND REQUIREMENTS SHALL BE COORDINATED IN FIELD.
- 32. ACCESSIBLE PLUMBING FIXTURES SHALL COMPLY WITH ALL OF THE REQUIREMENTS OF 2013 CBC CHAPTER 11A AND/OR 11B. HEIGHTS AND LOCATION OF ALL FIXTURES SHALL BE ACCORDING TO CBC 2013 SECTION 1138A. FIXTURE CONTROLS SHALL COMPLY WITH CBC 2013 SECTION 1138A.4.
- 33. ALL VALVES, TRAP PRIMERS, WATER HAMMER ARRESTERS OR OTHER EQUIPMENT SHOWN IN WALLS OR ABOVE NON-ACCESSIBLE CEILINGS SHALL BE INSTALLED BEHIND AN ACCESS PANEL.
- 34. ALL VENT THROUGH ROOF SHALL BE MINIMUM OF 3 FEET VERTICALLY AND 10 FEET HORIZONTALLY FROM ANY AIR CONDITIONING EQUIPMENT FRESH AIR INTAKES.
- 35. VERIFY WITH ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF ALL FLOOR DRAINS, ROOF, OVERFLOW DRAINS AND FLOOR SINKS.
- 36. FIXTURES SHALL BE PROTECTED DURING CONSTRUCTION FROM ANY DAMAGES. REFINISHED FIXTURES WILL NOT BE ACCEPTABLE UNDER ANY CONDITIONS.
- 37. HOSE BIB WITH VACUUM BREAKER SHALL BE PROVIDED UNDER LAVATORY IN EACH PUBLIC RESTROOM.
- 38. INSULATE INDIRECT DRAIN LINES FROM REFRIGERATORS, FREEZERS, ICE MAKER AND ICE BINS WITH MANVILLE AERO-TUBE OR EQUAL TO PREVENT CONDENSATE DRIPS.
- 39. INSULATE WASTE PIPE AND P-TRAP FROM FLOOR SINK, FLOOR DRAINS OR FUNNEL DRAINS COLLECTING INDIRECT DRAINS FROM REFRIGERATORS, FREEZERS, ICE MAKER AND ICE BINS TO PREVENT CONDENSATE DRIPS. INSULATE WASTE PIPE UP TO THE NEXT 3" OR 4" MAIN CONNECTION.
- 40. PROVIDE AND INSTALL GAS COCKS AND UNION AT EACH GAS FIRED EQUIPMENT
- 41. PROVIDE AND INSTALL CHROME ANGLE VALVES ON HOT AND COLD WATER SUPPLY AT EACH PLUMBING FIXTURES.
- 42. ALL WATER FAUCETS SHALL BE PROVIDED WITH CODE APPROVED FLOW RESTRICTORS.
- 43. COVER ALL FLOOR DRAINS, FLOOR SINKS, ROOF AND OVERFLOW DRAINS DURING CONSTRUCTIONS TO PREVENT DEBRIS FROM ENTERING PIPE AND PROTECT GRATES FROM DAMAGES.
- 44. COORDINATE WITH ELECTRICAL CONTRACTOR PRIOR TO ORDERING EQUIPMENT FOR AVAILABLE VOLTAGES AT ALL EQUIPMENT LOCATIONS.
- 45. COORDINATE WITH ELECTRICAL CONTRACTOR FOR ALL TAMPER AND FLOW SWITCH LOCATIONS.
- 46. BECAUSE OF THE SMALL SCALE DRAWINGS, IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, FITTINGS AND ACCESSORIES WHICH MAY BE REQUIRED. THE CONTRACTOR SHALL CAREFULLY INVESTIGATE THE CONDITIONS SURROUNDING INSTALLATION OF HIS WORK, FURNISHING THE NECESSARY PIPING. FITTINGS, VALVES, TRAPS, AND OTHER DEVICES WHICH MAY BE REQUIRED TO COMPLETE THE INSTALLATION.
- 47. UNLESS SPECIFIED ON STRUCTURAL DRAWINGS, ANY ALTERATION OR MODIFICATIONS TO STRUCTURAL ELEMENTS BY CUTTING, DRILLING, BORING, BRACING, WELDING ETC. SHALL HAVE WRITTEN APPROVAL STRUCTURAL ENGINEER PRIOR TO START WORK.
- 48. ITEMS NOT SHOWN IN THE DRAWINGS BUT NECESSARY FOR COMPLETE OPERATION OF THE SYSTEM/FIXTURES/EQUIPMENT OR FOR COMPLETE CODE INSTALLATION SHALL BE PROVIDED AT NO ADDED COST TO THE OWNER.
- 49. DIELECTRIC UNION ISOLATOR WITH THREADED CONNECTIONS SHALL BE PROVIDED FOR CONNECTING INCOMPATIBLE MATERIALS.
- 50. ALL PLUMBING FIXTURES SHALL BE APPROVED BY OWNER PRIOR TO ORDERING.
- 51. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION OF ALL EXISTING UTILITIES TO WHERE HE IS TO CONNECT PRIOR TO INSTALLATION OF ANY PIPING. EXTEND NEW PIPING IF NECESSARY TO WHERE THE EXISTING IS.
- 52. ALL CONNECTIONS TO EXISTING SERVICES SHALL BE MADE SUCH THAT INTERRUPTION TIME WILL BE AS SHORT AS POSSIBLE THE CONTRACTOR SHALL GIVE THE OWNER'S REPRESENTATIVE SUBFICIENT NOTICE OF SUCH INTERRUPTION AND THE ACTUAL SHUT DOWN TIME SHALL BE AT A TIME DESIGNATED BY THE OWNER'S REPRESENTATIVE.
- 53. ALL EXISTING PIPING DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED WITH MATERIALS TO MATCH EXISTING BY
- 54. PROVIDE AND INSTALL WATER HAMMER ARRESTORS IN THE FOLLOWING LOCATIONS (ONLY NON-FERROUS ARRESTORS
- MAY BE INSTALLED IN ANY WATER SYSTEM): A. WATER LINES TO LAVATORY HEADERS, WATER CLOSET AND URINAL HEADERS, SERVICE SINKS, KITCHEN SINKS,
- WASH FOUNTAINS, DRINKING FOUNTAINS, LABORATORIES WITH MEDICAL TYPE FAUCETS AND ON WASH SINKS HAVING 3 OR MORE STATIONS AND ALL OTHER QUICK CLOSING FIXTURE SUCH AS CLOTHES WASHERS, AS CLOSE TO FIXTURE AS POSSIBLE.
- B. BETWEEN LAST 2 FIXTURES WHEN 3 OR MORE FIXTURES, OTHER THAN THOSE LISTED IN "A" ABOVE, ARE SERVED BY A COMMON HEADER.
- C. WHEN ARRESTOR SHALL BE INSTALLED IN WALL OR FURRING, FURNISH WITH AN ACCESS PLATE LARGE ENOUGH TO PERMIT REMOVAL OF ARRESTOR. ACCESS PLATE SHALL BE A MINIMUM OF 2 INCHES LARGER IN EACH DIRECTION THAN ARRESTOR.
- 55. ALL PIPING INTO STEM WALLS AND FOOTINGS SHALL BE DOUBLE HALF LAP WRAPPED WITH 1/8" THICK "ARMAFLEX" INSULATION. THE CONTRACTOR SHALL ALSO PROVIDE BLOCKED OUT AREAS IN STEM WALL AND FOOTING. ALL PIPING
- SHALL AVOID THE LOWER 8" OF THE FOOTING. 56. ALL HOT WATER PIPING SHALL BE INSULATED. INSULATION SHALL HAVE A FLAME SPREAD OF NOT MORE THAN 25 AND A
- SMOKE DENSITY NOT EXCEEDING 50 PER 2013 CMC SEC. 1201.3.2.11. SEE SPECIFICATION FOR OTHER REQUIREMENTS.
- 57. ALL CONNECTIONS TO SITE PIPING SHALL BE DONE BY THE PLUMBING CONTRACTOR.
- 58. CLEANOUTS SHALL BE PROVIDED PER 2013 CPC SECTION 707.0 & 719.0 AND TO THE FOLLOWING LOCATIONS:
- A. AT EACH BASE OF ROOF DRAIN DOWNSPOUTS.
- B. AT EACH BASE OF WASTE STACK.
- C. AT EVERY 100 FT OF STRAIGHT RUN OF HORIZONTAL PIPING.
- D. AT EACH AGGREGATE HORIZONTAL CHANGE IN DIRECTION EXCEEDING ONE HUNDRED THIRTY-FIVE (135)
- E. AT EACH HORIZONTAL DRAINAGE PIPE UPPER TERMINAL
- F. ABOVE EACH URINAL.
- G. BELOW EACH SINK.
- 59. PROVIDE SEDIMENT TRAP AS CLOSE AS POSSIBLE TO ALL GAS APPLIANCES AND GAS FIRED EQUIPMENTS INLET EXCEPT FOR APPLIANCES LISTED PER 2013 CPC SECTION 1211.8, SEE SEDIMENT TRAP INSTALLATION PER 2013 CPC FIGURE 1211.8.
- 60. DOMESTIC WATER PIPING AND COMPONENTS SHALL BE PROVIDED AND INSTALLED IN COMPLIANCE WITH CALIFORNIA AB 1953 LEGISLATION, WHICH LIMITS THE ALLOWABLE LEAD CONTENT IN CERTAIN DOMESTIC WATER SYSTEM COMPONENTS.
- 61. ALL PLUMBING FIXTURES AND FITTINGS SHALL MEET CALGREEN MANDATORY REQUIREMENT OF 20% REDUCED FLOW RATE SPECIFIED IN TABLE 5.303.2.3.

PD202

GENERAL NOTES, LEGEND AND SHEET INDEX P002 SCHEDULES P201 RENOVATION PLAN P202 RENOVATION PLAN P601 DETAILS PD201 DEMOLITION PLAN

DEMOLITION PLAN

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CARLSBAD, CALIFORNIA 92011 TEL(760)438-1188 ME&P:

> 9665 CHESAPEAKE DRIVE, SUITE 230 SAN DIEGO. CALIFORNIA 92123 TEL(619)618-2347 FAX(619)330-0668



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4 4	DESIGN CHANGES	02/15/17
<u>/</u> 5 <u></u>	OSHPD COMMENTS	08/11/17
66	DESIGN CHANGES	10/30/17

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OSHPD #: S162093-37-00

REV: DESCRIPTION:

GENERAL NOTES, LEGEND AND SHEET **INDEX** 

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#### WATER CALCULATION

85	PSI
5	PSI
10	PSI
60	PSI
8.6	PSI
30	PSI
21.4	PSI
3.9	PSI
	5 10 60 8.6 30 21.4

# COLD WATER PIPE SIZING CHART

		FIXTUR	VELOCITY						
SIZE	GPM	FLUSH TANK	FLUSH VALVE	VELOCITY (FPS)					
1/2"	2.1	2	0	2.9					
3/4"	5.5	6	0	3.8					
1"	12	16	0	4.5					
1 1/4"	20	30	2	5.2					
1 1/2"	35	66	20	5.9					
2"	66	205	95	7.2					
2 1/2"	125	506	396	8.0					

# HOT WATER PIPE SIZING CHART

		FIXTUR		
SIZE	GPM	FLUSH TANK	FLUSH VALVE	VELOCITY (FPS)
1/2"	2.1	2	0	2.9
3/4"	5.5	6	0	3.8
1"	12	16	0	4.5
1 1/4"	19	28	0	5.0
1 1/2"	27	46	0	5.0
2"	46	111	0	5.0

## **FIXTURES**

	SYMBOL	FIXTURE	ROUGH-IN SIZE					
			W	V	CW	HW	DESCRIPTION / REMARKS	
	EWC-1	ELECTRIC WATER COOLER	2"	1 1/2"	1/2"		ELKAY #LZSTL8WS, ELECTRIC (115 VOLTS, 60 Hz, RATED WATTS: 370, FULL LOAD AMPS: 5), WALL MOUNTED, STAINLESS STEEL BASIN, VANDAL RESISTANT, R-134a REFRIGERATION SYSTEM	
	L-1	LAVATORY	2"	1 1/2"	1/2"	1/2"	AMERICAN STANDARD "LUCERNE" #0355, VITREOUS CHINA, WALL HUNG, ADA COMPLIANT, WITH SLOAN OPTIMA ETF-600 0.5 GPM NON AERATING LAMINAR FLOW, SENSOR ACTIVATED, HARD WIRED, 4" CENTERSET FAUCET. PROVIDE WITH LEAD FREE THERMOSTATIC MIXING VALVE, TRANSFORMER, AND LAVATORY SUPPORT. PROVIDE EMERGENCY POWER PER 2016 CPC 210.0.	
	L-2	LAVATORY	2"	1 1/2"	1/2"	1/2"	KOHLER "COMPASS" #K-2298, VITREOUS CHINA, UNDER-MOUNT, ADA COMPLIANT, WITH SLOAN OPTIMA ETF-600 0.5 GPM NON AERATING LAMINAR FLOW, SENSOR ACTIVATED, HARD WIRED, 4 CENTERSET FAUCET. PROVIDE WITH LEAD FREE THERMOSTATIC MIXING VALVE AND TRANSFORMER. PROVIDE EMERGENCY POWER PER 2016 CPC 210.0.	
	S-1	SINK	2"	1-1/2"	1/2"	1/2"	KOHLER "BRENHAM" #K-1999, WALL MOUNT, VITREOUS CHINA, SINGLE HOLE, WITH SLOAN OPTIMA ETF-700 120V FAUCET 1.1 GPM LAMINAR FLOW, UNDERCOUNTER MIXING VALVE, 1005 RIGID SUPPLYS AND STOPS, GRID STRAINER, CHROME PLATED 17GA. L.A. PATTERN CAST BRAS P-TRAP.	
	S-2	SINK	2"	1-1/2"	1/2"	1/2"	JUST #SL-2019 A-GR, STAINLESS STEEL SINGLE COMPARTMENT SELF RIMMING SINK, WITH SLOAN OPTIMA ETF-700 120V FAUCET 1.1 GPM LAMINAR FLOW, UNDERCOUNTER MIXING VALVE, 1005 RIGID SUPPLYS AND STOPS, GRID STRAINER, CHROME PLATED 17GA. L.A. PATTERN CAST BRASS P-TRAP.	
	WC-1	WATER CLOSET	<b>4</b> "	2"	1"	1	AMERICAN STANDARD "AFWALL MILLENIUM" #3351, WALL MOUNTED, VITREOUS CHINA, ELONGATED BOWL, TOP SPUD, OLSONITE #95SSCT OPEN FRONT SEAT, SLOAN OPTIMA PLUS SFSM REGAL #111, 1.28 GPM, HARD WIRED, ADA COMPLIANT. PROVIDE WITH TRANSFORMER AND WATER CLOSET SUPPORT.	
	4							

#### MED GAS OUTLET SCHEDULE

	O/10 OO ILLI OOIILDOLL										
	EQUIPMENT CONNECTION TYPE			NU	MBER O	F OUTL	ETS				
SYMBOL		O2	MA	MV	SLIDE	N20	N2	CO2	WAGD	DESCRIPTION / REMARKS	
MG-1	WALL OUTLET	1	1 🔨	1	-	-	-	-	-	CHEMETRON 500	

## MED GAS EQUIPMENT SCHEDULE

SYMBOL	DESCRIPTION	REMARKS								
ZVB-1	CHEMETRON 77-83-0223 MEDICAL GAS SHUT-OFF VALVE AND WALL ACCESS PANEL FOR 3/4" VACUUM 1/2" MED AIR AND 1/2" OXYGEN. MOUNT TOP OF PANEL AT 5'-0".									
MGA-1	CHEMETRON IMPACT MEDICAL GAS AREA ALARM PANEL FOR VACUUM, OXYGEN AND MEDICAL AIR MOUNT TOP OF PANEL AT 5'-0".									
	$\angle 1$									

#### **MATERIALS**

1. SANITARY SEWER, VENT AND STORM DRAIN ABOVE GRADE:

PIPE: SERVICE WEIGHT CAST IRON PER ASTM A-74, ASTM A-88, CISPI 301

FITTINGS: NO HUB CAST IRON PER ASTM A-888.

JOINTS: BAND TYPE STAINLESS STEEL COUPLINGS CONFORMING TO ASTM C-1540 HAVING MINIMUM SHIELD THICKNESS OF 31 GAUGE WITH NEOPRENE SEALING SLEEVE CONFORMING TO ASTM C-564. TYLER PIPE ONLY.

2. WATER ABOVE GRADE:

2. WATER ABOVE GRADE:

PIPE: TYPE L HARD DRAWN COPPER, ASTM B88.

FITTINGS: WROUGHT COPPER, ANSI B16.22

JOINTS: 95%-5% TIN-ANTIMONY LEAD FREE SOLDER.

3. MEDICAL GASSES AND VACUUM:

PIPE: TYPE L COPPER, NFPA 99.

FITTINGS: 95%-5% TIN-ANTIMONY LEAD FREE SOLDER.

4. CATHODIC PROTECTION:

ALL UNDER SLAB METAL PIPING OF ANY KIND IS TO BE SLEEVED IN PLASTIC. NO DIRECT BURY IS ALLOWED FOR METAL PIPING.

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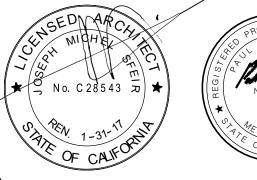
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66	DESIGN CHANGES	10/30/17



REV: DESCRIPTION:

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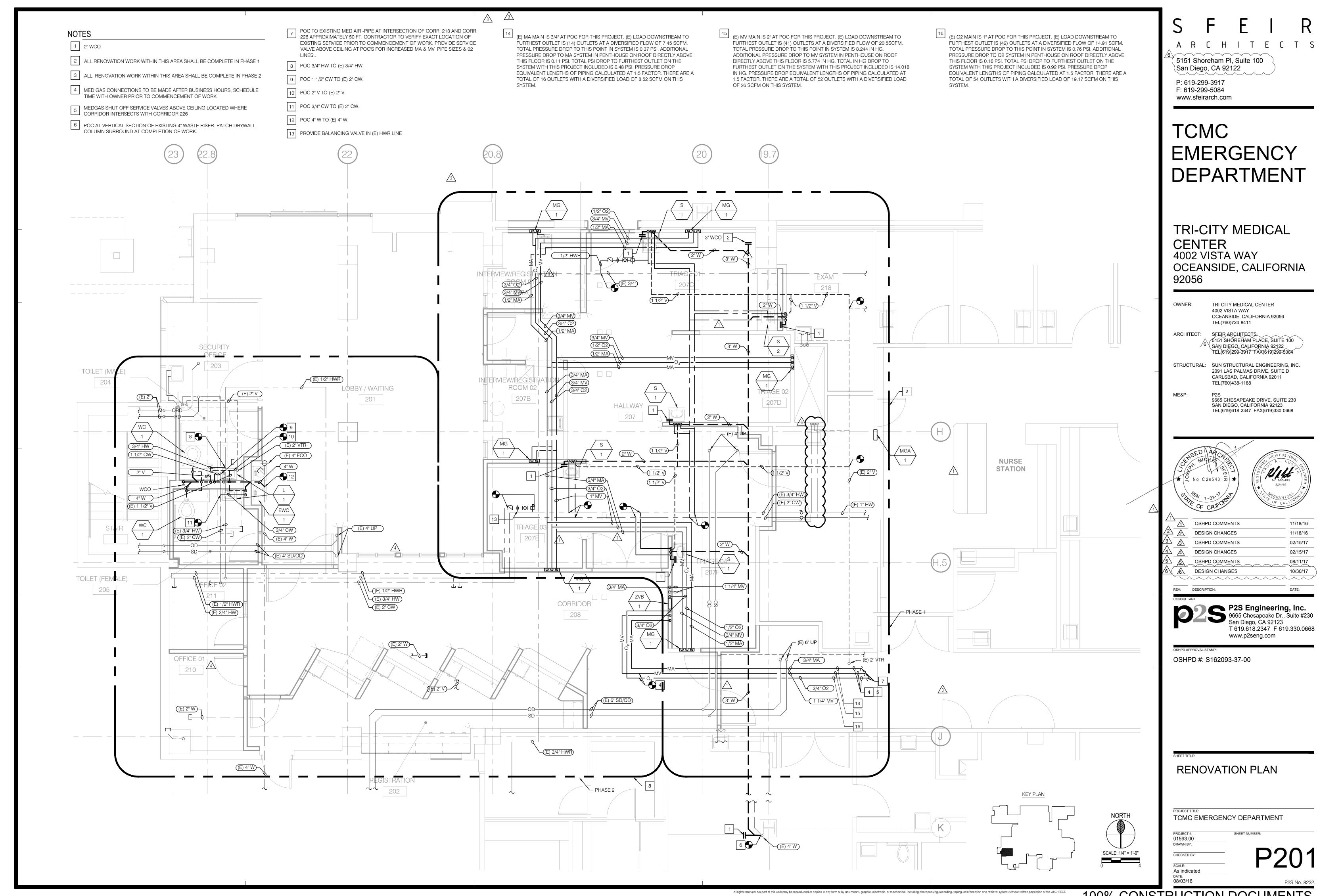
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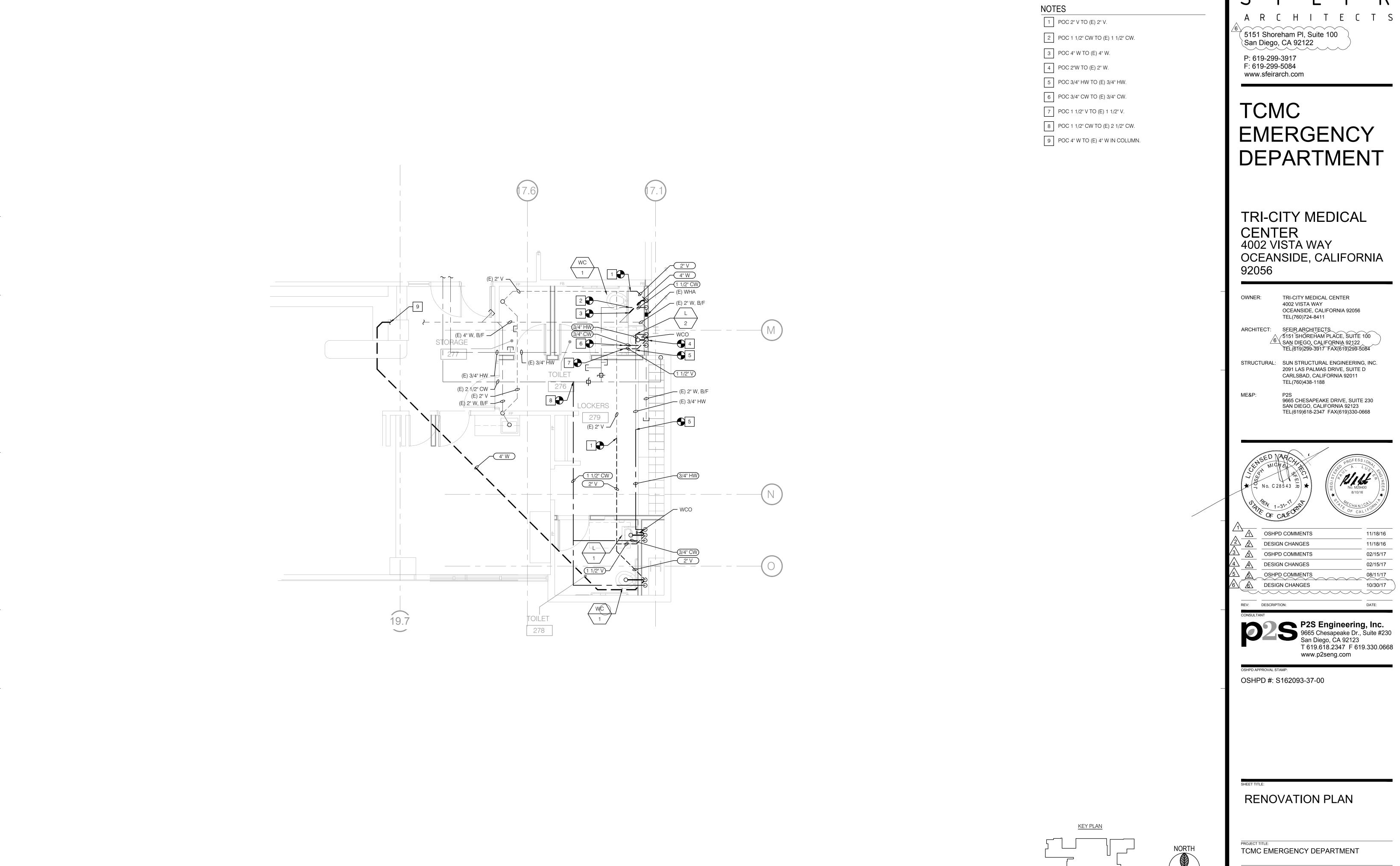
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TCMC EMERGENCY DEPARTMENT

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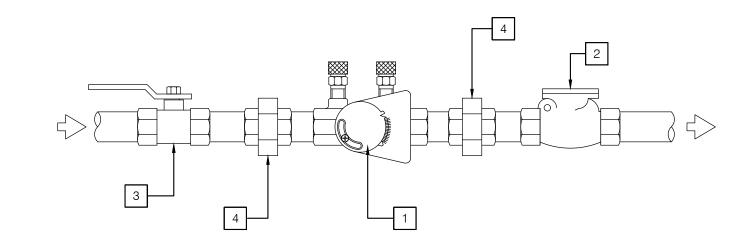


OCEANSIDE, CALIFORNIA

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

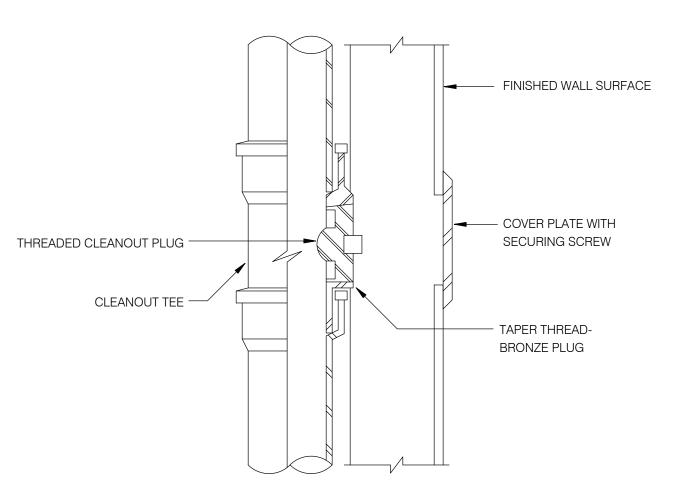


### NOTES

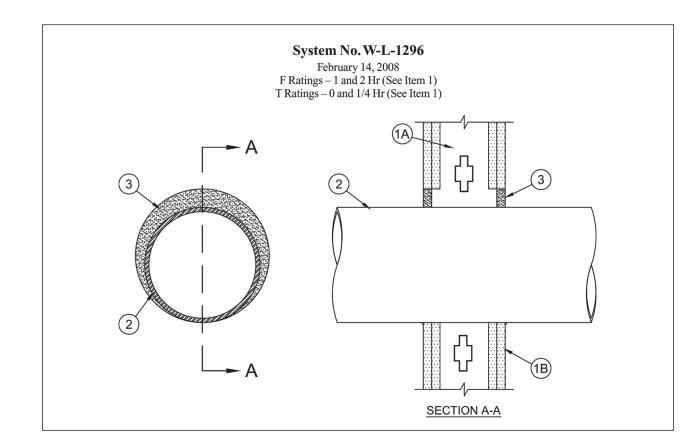
- 1 CIRCUIT SETTER PLUS CALIBRATED BALANCE VALVES.
- 2 CHECK VALVE.
- 3 BALL VALVE.
- 4 UNION.







WALL CLEANOUT DETAIL

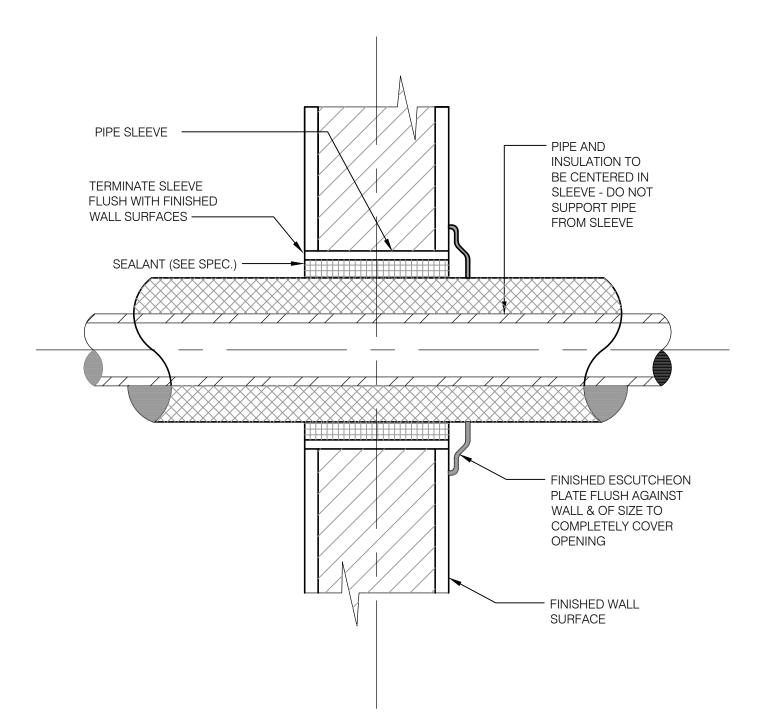


- 1. WALL ASSEMBLY THE 1 OR 2 HR FIRE-RATED GYPSUM BOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U300, U400 OR V400 SERIES WALL AND PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
- A. STUDS WALL FRAMING SHALL CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. (51 BY 102MM) LUMBER SPACED MAX 16 IN. (406 MM) OC. STEEL STUDS TO BE MIN 3-1/2" IN. (89 MM) WIDE AND SPACED MAX 24 IN. (610 MM) OC. ADDITIONAL FRAMING MEMBERS SHALL BE USED TO COMPLETELY FRAME AROUND OPENING.
- B. GYPSUM BOARD\* MIN 5/8" IN. (16 MM) THICK, 4 FT (1.2M) WITH SQUARE OR TAPERED EDGES. THE GYPSUM BOARD TYPE, THICKNESS, NUMBER OF LAYERS AND ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300, U400 OR V400 WALL AND PARTITION DESIGN. MAX SIZE OF OPENING IS 210 SQ IN. (1355 CM²) WITH A MAX WIDTH OF 14-1/2 IN. (368 MM) FOR WOOD STUDS. MAX AREA OF OPENING IS 77.3 SQ FT. (7.2 M²) WITH A MAX WIDTH OF 105-1/2" IN. (2.7 M) FOR STEEL STUDS.

THE HOURLY F RATING OF THE FIRESTOP SYSTEM IS EQUAL TO THE HOURLY FIRE RATING OF THE WALL IN WHICH IT IS INSTALLED.

- 2. COPPER PIPE NOMINAL 4" OR SMALLER, REGULAR OR HEAVIER COPPER PIPE.
- 3. FIRESTOP SYSTEM THE FIRESTOP SYSTEM SHALL CONSIST OF THE FOLLOWING:
- A. MIN. 5/8" THICKNESS OF CAULK APPLIED WITHIN ANNULUS, FLUSH WITH BOTH SURFACES OF WALL. B. MIN. 1/4" DIA. BEAD OF CAULK APPLIED TO GYPSUM BOARD/PENETRANT INTERFACE AT POINT CONTACT LOCATION ON BOTH SIDES OF
- 3M COMPANY 3M FIRE PROTECTION PRODUCTS - IC 15WB+, CP25WB+CAULK OR FB-3000 WT SEALANT

# PIPE FIRESTOPPING DETAIL NO SCALE



BARE PIPE THROUGH NON-RATED WALLS

# ARCHITECTS

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No. C 28543 ₹

OSHPD COMMENTS 11/18/16 11/18/16 DESIGN CHANGES 02/15/17 OSHPD COMMENTS 02/15/17 DESIGN CHANGES 08/11/17 10/30/17 DESIGN CHANGES

REV: DESCRIPTION:

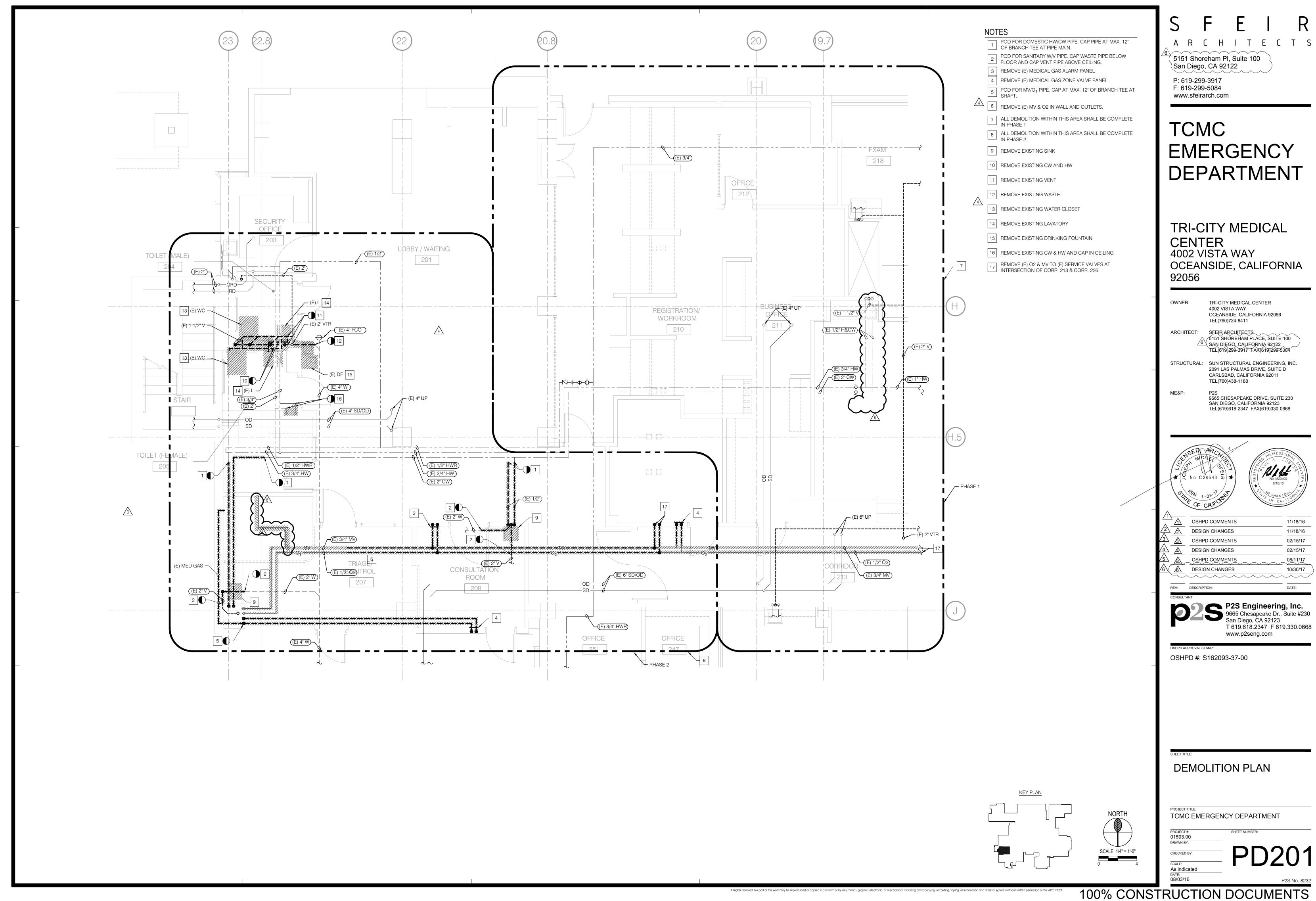
P2S Engineering, Inc. 9665 Chesapeake Dr., Suite #230 San Diego, CA 92123 T 619.618.2347 F 619.330.0668 www.p2seng.com

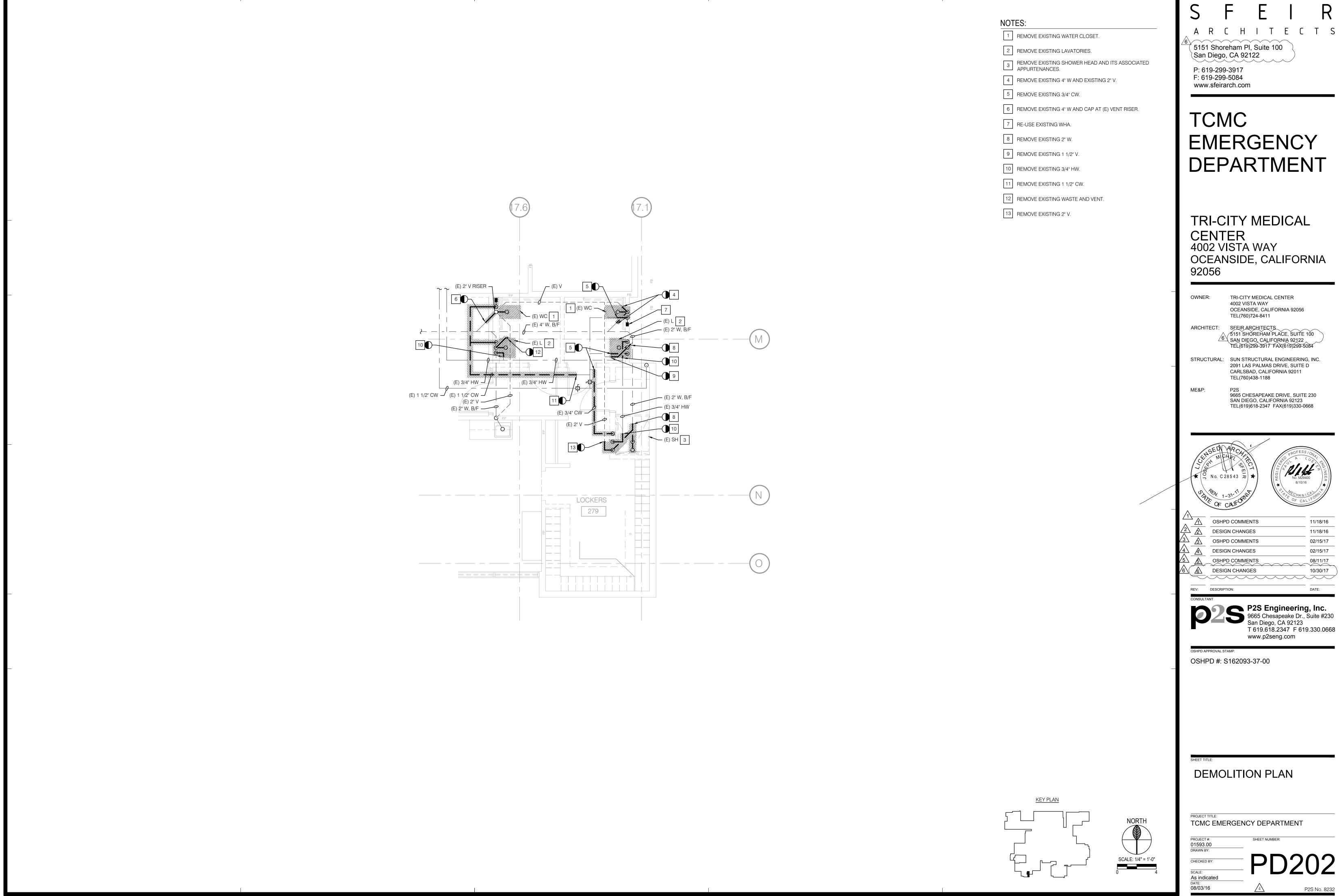
OSHPD #: S162093-37-00

**DETAILS** 

TCMC EMERGENCY DEPARTMENT

01593.00 As indicated





# LEGEND <u>SYMBOL</u> DESCRIPTION NOTE CALLOUT MECHANICAL EQUIPMENT CALLOUT, SEE MECHANICAL PLANS FOR EXACT LOCATION AND REQUIREMENTS LIGHTING FIXTURE CALLOUT, SEE FIXTURE SCHEDULE: - LETTER DENOTES FIXTURE TYPE - NUMBER DENOTES FIXTURE VOLT/AMPS **NEW LINEWORK EXISTING LINEWORK** CONDUIT CONCEALED IN WALL OR ABOVE CEILING CONDUIT EXPOSED CONDUIT CONCEALED UNDERGROUND OR BELOW FLOOR CONDUIT CAPPED НШШ BRANCH CIRCUIT HOMERUN TO PANELBOARD AND CIRCUITS AS H 3/4" CONDUIT, TICK MARKS INDICATE QUANTITY OF #12 AWG WIRES (UNLESS NOTED OTHERWISE, NO MARKS INDICATES 2#12 & 1#12 GND - SMALL MARK DENOTES HOT WIRE CSFD - LARGE MARK DENOTES NEUTRAL WIRE - DIAGONAL DENOTES GROUND WIRE CIRCUIT BREAKER 2-WAY SWITCH TRANSFORMER $\sim$ GROUND CONNECTION FUSED DISCONNECT SWITCH 2X4 FLUORESCENT LIGHT FIXTURE 2X4 FLUORESCENT LIGHT FIXTURE UNSWITCHED/NIGHT LIGHT WITH 90 MINUTE EMERGENCY BATTERY PACK 1X4 FLUORESCENT LIGHT FIXTURE 1X4 FLUORESCENT LIGHT FIXTURE UNSWITCHED/NIGHT LIGHT WITH 90 MINUTE EMERGENCY BATTERY PACK FLUORESCENT STRIP LIGHT FIXTURE 2X2 FLUORESCENT LIGHT FIXTURE 2X2 FLUORESCENT LIGHT FIXTURE UNSWITCHED/NIGHT LIGHT WITH 90 MINUTE EMERGENCY BATTERY PACK RECESSED DOWNLIGHT FIXTURE RECESSED DOWNLIGHT FIXTURE UNSWITCHED/NIGHT LIGHT WITH 90 MINUTE EMERGENCY BATTERY PACK WALL MOUNTED LIGHT FIXTURE EXIT LIGHT FIXTURE WITH DIRECTIONAL ARROWS AS INDICATED. SHADED SIDE DENOTES NUMBER OF FACES JUNCTION BOX SINGLE POLE SWITCH, DEVICE SHALL BE MOUNTED +48" MAX AND +36" MIN FROM THE CENTER OF DEVICE: SWITCH DUAL SWITCH MOTOR RATED MOTION SENSOR - WALL MOUNTED MOTION SENSOR WITH DUAL SWITCHING MOTION SENSOR - CEILING MOUNTED a - INDICATES CIRCUIT CONTROLLED LOW VOLTAGE SWITCH DUPLEX - WALL +18" A.F.F. QUAD - WALL +18" A.F.F. DUPLEX - WALL +18" A.F.F. (CONNECT TO EMERGENCY GENERATOR) JUNCTION BOX - WALL PANELBOARD, 120/208V - RECESSED PANELBOARD, 120/208V - SURFACE PANELBOARD, 277/480V - SURFACE

### 

PROVIDE BACKBOX AND 1/2" CONDUIT TO CORRESPONDING HVAC UNIT.

VOICE/DATA OUTLET- FLUSH WALL MOUNTED OUTLET BOX WITH 1"C.O.

VOICE - FLUSH WALL MOUNTED OUTLET BOX WITH 1"C.O. STUBBED 6"

SECURITY CARD READER. REFER TO DOOR DETAILS ON SHEET E601 FOR

DUPLEX RECEPTACLE, WALL MOUNTED @ +18" A.F.F. OR AS NOTED.

FOURPLEX RECEPTACLE, WALL MOUNTED @ 6" ABOVE COUNTER

GROUND FAULT CIRCUIT INTERRUPTER - MOUNTED +6" ABOVE

DUPLEX, GFCI - TYPE RECEPTACLE, WALL MOUNTED @ 6" ABOVE

COUNTER OR SPLASH. HOSPITAL GRADE. (CONNECT TO EMERGENCY

FOURPLEX, GFCI - TYPE RECEPTACLE, WALL MOUNTED @ 6" ABOVE

FOURPLEX, GFCI - TYPE RECEPTACLE, WALL MOUNTED @ 6" ABOVE

FIRE SMOKE DAMPER ON DUCT IN CEILING SPACE, PROVIDE 120V

CONNECTION WITH S.P.S.T. SWITCH DISCONNECT MOUNTED IN

ACCESSIBLE CEILING. CIRCUIT CONTROLLED BY FIRE ALARM

COUNTER OR SPLASH. HOSPITAL GRADE. (CONNECT TO EMERGENCY

DUPLEX, GFCI - TYPE RECEPTACLE, WALL MOUNTED @ +18" A.F.F. OR

OR SPLASH. (CONNECT TO EMERGENCY GENERATOR)

AS NOTED. (CONNECT TO EMERGENCY GENERATOR)

ADDRESSABLE CONTROL MODULE.

LIGHTING CONTROL SYSTEM POWER PACK

STUBBED 6" INTO ACCESSIBLE CEILING SPACE.

INTO ACCESSIBLE CEILING SPACE.

CONDUIT RISER INFORMATION.

COUNTER OR SPLASH.

COUNTER OR SPLASH.

GENERATOR)

(CONNECT TO EMERGENCY GENERATOR)

BBREVIATION	DESCRIPTION	<u>ABBREVIATION</u>	DESCRIPTION
/C	SINGLE CONDUCTOR	KVA	KILOVOLT-AMPERES
	AND	KW	KILOWATT
OR AMP	AT AMPERES	LF LIS	LINEAR FEET LOAD INTERRUPTER SWITCH
ON AIVIF BV	ABOVE	LOC.	LOCATION
C.	ASPHALT CONCRETE	LTG	LIGHTING
F	ABOVE FINISHED FLOOR	LV	LOW VOLTAGE
G	ABOVE FINISH GRADE	MAX	MAXIMUM
С	AMPERE INTERRUPTING CAPACITY	MCC	MOTOR CONTROL CENTER
- PPROX.	ALUMINUM APPROXIMATE	MCP MFGR	MOTOR CIRCUIT PROTECTOR  MANUFACTURER
RCH.	ARCHITECT; ARCHITECTURAL	MH	MANHOLE
ΓC	AIR TERMINAL CHAMBER	MI.	MECHANICAL INTERLOCK
ΓS	AUTOMATIC TRANSFER SWITCH	MRCT	MULTI-RATIO CURRENT TRANSFORMER
JTO	AUTOMATIC	MTD	MOUNTED
JX	AUXILIARY	MTG	MOUNTING
NG AT	AMERICAN WIRE GAUGE BATTERY	MV N	MEDIUM VOLTAGE NORTH
AT EL	BELOW	NAC	NOTIFICATION APPLIANCE CIRCUIT
-L KBD	BACKBOARD	NC	NORMALLY CLOSED
(R	BREAKER	NEC	NATIONAL ELECTRICAL CODE
.DG	BUILDING	NF	NON-FUSED
S.	BARE STRANDED	NIC	NOT IN CONTRACT
	CONDUIT	NL	NIGHT LIGHT- 24HRS ON
3	CIRCUIT BREAKER	NO.	NUMBER
C KT	CONSTANT CURRENT CIRCUIT	OC OD	ON CENTER OUTSIDE DIAMETER
<u> </u>	CENTER LINE	OD OE	OVERHEAD ELECTRICAL
- _G	CEILING	OFC	OIL FUSED CUTOUT
МU	CONCRETE MASONRY UNIT	OH	OVERHEAD
Ο.	CONDUIT ONLY WITH PULL WIRE	OL	OIL LEVER SWITCH
OL	COLUMN	Р	POLE
0	COMMUNICATION PROCESSOR	PB	PULL BOX
PT	CONTROL PELAY	PC	PHOTOCELL  POLYCLU ODINATED BIBLIENIA
R SU	CONTROL RELAY  CALIFORNIA STATE UNIVERSITY	PCB PDS	POLYCHLORINATED BIPHENYL PRESSURE DIFFERENTIAL SWITCH
SFD	COMBINATION SMOKE FIRE DAMPER	PF	POWER FACTOR
, <u> </u>	CURRENT TRANSFORMER	PH OR Ø	PHASE
N	COLD WATER	PILC	PAPER INSULATED, LEAD COVER
J	COPPER	PIV	POST INDICATING VALVE
AG	DIAGRAM	PL	PLATE
-	DAMP LOCATION LISTING	PNL	PANEL
M	DIGITAL METER	POC	POINT OF CONNECTION
ST.	DISTRIBUTION PANEL DISTANCE	PRI. PVC	PRIMARY POLY-VINYL CHLORIDE
VG	DRAWING	PWR	POWER
NP.	DEPARTMENT OF WATER & POWER	REC/RECEPT	RECEPTACLE
4	EACH	REQ'D	REQUIRED
EC.	ELECTRICAL	RGS	RIGID GALVANIZED STEEL
ЛН . <del>-</del>	ELECTRICAL MANHOLE	RPBP	REDUCED PRESSURE BACK FLOW PREVENTE
MT	ELECTRICAL METALLIC TUBING	RM	ROOM
PO PR	EMERGENCY POWER OFF ETHYLENE PROPYLENE RUBBER	SCE SF	SOUTHERN CALIFORNIA EDISON SQUARE FEET
QUIP	EQUIPMENT	SHT	SHEET
(IST/(E)	EXISTING	SIG.	SIGNAL
(P	EXPLOSION PROOF	SP	SPARE
<b>\</b>	FIRE ALARM	SPECS	SPECIFICATIONS
E	FINISHED FLOOR ELEVATION	ST	STREET
N.	FINISH	STD	STANDARD SWITCH
⊃. KT	FIELD INTERFACE PANEL FIXTURE	SW SWBD	SWITCH SWITCHBOARD
A	FULL LOAD AMPS	SWGR	SWITCHBOARD SWITCHGEAR
.R	FLOOR	SWST	SWITCHING STATION
UOR	FLUORESCENT	ТВ	TERMINAL BLOCK
	FEET	TEL./TELE	TELEPHONE
(CP	FIRE ALARM CONTROL PANEL	TMH	TELEPHONE MANHOLE
TC	FIRE ALARM TERMINAL CABINET	T.O.D.	TOP OF MANUALE
) G	FIBER OBTIC	T.O.M. TPS	TOP OF MANHOLE TWISTED SHIELDED PAIR
G -	FOOTING GROUND FAULT INTERRUPTER		TRANSFORMER
R	GROUND FAULT RELAY	TS	TAMPER SWITCH
à	GREEN GROUND	TYP	TYPICAL
ND	GROUND	UG	UNDERGROUND
)A	HAND-OFF-AUTOMATIC	UON	UNLESS OTHERWISE NOTED
	HORSEPOWER	V	VOLTS
.D	HEIGHT	VA VB	VOLT-AMPERES
R Z	HEATER HERTZ	VB VFD	VIBRATION SWITCH VARIABLE FREQUENCY DRIVE
-	INVERT ELEVATION	W	WATTS
	SHORT CIRCUIT CURRENT	W/	WITH
CAND	INCADESCENT	W/O	WITHOUT
	JUNCTION BOX	WP	WEATHERPROOF
CMIL	THOUSAND CIRCULAR MILS	Z	IMPEDANCE
1	KILOVOLT	(ER)	EXISTING TO REMAIN
		(ERR)	EXISTING TO TO BE REMOVED, RELOCATED A

### SHFFT INDEX

SHEET	DESCRIPTION
E001	GENERAL NOTES, LEGEND AND ABBEVIATIONS
E002	SINGLE LINE DIAGRAMS
E003	LUMINAIRE AND FIRE STOP DETAILS
E004	PANEL SCHEDULES
E100	PARTIAL FIRST FLOOR PLAN
E200	DEMOLITION PLAN
E201	RENOVATION LIGHTING PLAN
E202	RENOVATION POWER PLAN
E203	RENOVATION ROOF PLAN
<u>∕</u> 4\ <sub>E204</sub>	DEMOLITION AND RENOVATION PLANS - LOCKER ROOM
E601	DETAILS

# **GENERAL NOTES**

- APPLICABLE CODES: 2012 IBC AND 2013 CALIFORNIA AMENDMENTS (2013 CALIFORNIA BUILDING CODE - PART 2, TITLE 24, CCR) 2011 NEC AND 2013 CALIFORNIA AMENDMENTS (2013 CALIFORNIA ELECTRICAL CODE - PART 3, TITLE 24, CCR) 2013 UMC AND 2012 CALIFORNIA AMENDMENTS (2012 CALIFORNIA MECHANICAL CODE - PART 4, TITLE 24, CCR) 2013 UPC AND 2012 CALIFORNIA AMENDMENTS (2012 CALIFORNIA PLUMBING CODE - PART 5, TITLE 24, CCR)-(PUBLISHER:IAPMO) 2012 IFC AND 2013 CALIFORNIA AMENDMENTS (2013 CALIFORNIA FIRE CODE - PART 9, TITLE 24, CCR)
- 2. THE INTENT OF THE DRAWINGS AND SPECIFICATIONS IS TO RECONSTRUCT THE HOSPITAL BUILDING IN ACCORDANCE WITH THE CALIFORNIA BUILDINGS STANDARD CODE, TITLE 24, CALIFORNIA CODE OF REGULATIONS. SHOULD ANY CONDITION DEVELOP NOT COVERED BY THE CONTRACT DOCUMENTS WHERE IN THE FINISHED WORK WILL NOT COMPLY WITH THE SAID TITLE 24, CALIFORNIA CODE OF REGULATIONS, A CHANGE ORDER DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY OFFICE OF STATE WIDE HEALTH PLANNING AND DEVELOPMENT BEFORE PROCEEDING WITH THE WORK.
- 3. WHEN INSTALLING DRILLED-IN ANCHORS/OR POWDER DRIVEN PINS IN EXISTING NON-PRESTRESSED REINFORCED CONCRETE, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE EXISTING REINFORCING BARS. WHEN INSTALLING THEM INTO EXISTING PRESTRESSED CONCRETE (PRE- OR POST-TENSIONED), LOCATE THE PRESTRESSED TENDONS BY USING A NON-DESTRUCTIVE METHOD PRIOR TO INSTALLATION. EXERCISE EXTREME CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE TENDONS DURING INSTALLATION. MAINTAIN A MINIMUM CLEARANCE OF ONE INCH BETWEEN THE REINFORCEMENT AND THE DRILLED-IN ANCHOR AND/OR PIN.
- 4. ALL ELECTRICAL SERVICES IN THE HOSPITAL ARE TO REMAIN OPERATIONAL DURING THE ENTIRE CONTRACT PERIOD. ANY INTERRUPTION OF ELECTRICAL POWER FOR THE PERFORMANCE OF THIS WORK SHALL BE ONLY AT SUCH TIME AND SUCH DURATION AS APPROVED IN WRITING BY THE OWNER.
- 5. CUT AND PATCH EXISTING CEILING AND WALL CONSTRUCTION AS REQUIRED FOR CONDUIT, OUTLET BOX, SUPPORTS AND EQUIPMENT INSTALLATION. REPAIR OF EXISTING CONSTRUCTION SHALL MATCH EXISTING TO THE ARCHITECTS SATISFACTION.
- 6. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF CEILING MOUNTED FIXTURES, SMOKE DETECTORS, SPEAKERS & OUTLETS.
- 7. ALL CONDUIT PENETRATIONS OF FIRE RATED WALLS, FLOORS AND ROOF SHALL BE FIRE STOPPED. FIRE STOP MATERIALS SHALL BE TESTED ASSEMBLY APPROVED BY THE OSHPD FIRE MARSHAL.
- 8. CONTRACTOR SHALL COMPLY WITH ALL GROUNDING AND BONDING REQUIREMENTS OF C.E.C. 517-13,15 & 78.
- 9. ADJUST CEILING MOUNT SMOKE DETECTOR LOCATIONS IF REQUIRED TO PROVIDE 3 FOOT MINIMUM DISTANCE FROM SUPPLY AIR DIFFUSERS. CEILING MOUNT SMOKE DETECTORS AT FIRE DOORS, SHALL BE LOCATED 5 FOOT MAXIMUM FROM FIRE DOOR.
- 10. PROVIDE LOWRY SOUND DEADENING CLAY PADS ON BACK & SIDES OF ALL OUTLETS & BACKBOXES IN COMMON WALLS OF PATIENT ROOMS.
- 11. LOCATIONS OF DISCONNECT SWITCHES AND CONNECTIONS FOR MECHANICAL AND PLUMBING EQUIPMENT ARE SHOWN DIAGRAMMATICALLY. VERIFY ACTUAL CONNECTION LOCATIONS WITH EQUIPMENT SHOP DRAWINGS AND LOCATE DISCONNECT SWITCHES TO PROVIDE CODE REQUIRED CLEARANCES AND ACCESS. DISCONNECT SWITCHES ON ROOF SHALL BE 30" MINIMUM ABOVE ROOF. PROVIDE ANGLE IRON SUPPORT BRACKETS.
- 12. THIS PROJECT WILL BE CONSTRUCTED IN MULTIPLE PHASES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE THEIR WORK WITH THE ARCHITECTURAL PLANS AND ALL OTHER TRADES AND INSTALL IN SUCH A WAY THAT IT DOES NOT AFFECT THE ADJOINING OCCUPIED SPACES AND MEETS ALL OF THE REQUIREMENTS OF CONTRACT DOCUMENTS AND SPECIFICATIONS.
- 12. ALL ELECTRICAL DEVICE LOCATIONS AND CONDUIT ROUTING INDICATED ON DRAWINGS ARE DIAGRAMMATICALLY SHOWN.

# **DEMOLITION NOTES**

- 1. DRAWINGS OF EXISTING CONDITIONS HAVE BEEN COMPILED FROM EXISTING DATA SUPPLIED BY THE OWNER TO THE ARCHITECT. THE ARCHITECT MAKES NO WARRANTY, EITHER EXPRESSED OR IMPLIED, FOR THE ACCURACY OR COMPLETENESS OF THE EXISTING INFORMATION RECORDED. FIELD VERIFY ALL EXISTING CONDITIONS NOTIFY THE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.
- 2. THE OWNER RESERVES THE RIGHT TO SALVAGE ANY DEMO ITEM. VERIFY ITEMS TO BE SALVAGED WITH THE OWNER PRIOR TO THE START OF DEMOLITION. REMOVE, PROTECT, AND TURN OVER SUCH ITEMS BY DIRECTED BY THE OWNER.
- 3. ALL EXISTING ELECTRICAL, LIGHTING, TELEPHONE, DATA, AND PUBLIC ADDRESS CONDUIT AND WIRING SHALL REMAIN EXCEPT WHERE INDICATED OTHERWISE ON THESE PLANS. RECONNECT EXISTING OUTLETS, DEVICES AND CIRCUITS IN ADJACENT SPACES DISRUPTED BY REMOVAL OF EXISTING OUTLETS, DEVICES OR CIRCUITS IN THIS CONTRACT.
- 4. PROTECT ALL EXISTING CONDUIT, WIRE AND SIGNAL SYSTEMS CABLES PASSING THRU REMODEL AREAS THAT SERVE ADJACENT AREAS.
- 5. WHERE NEW WALL OR CEILING OR OTHER CONSTRUCTION WILL COVER EXISTING OUTLETS, EQUIPMENT OR DEVICES MAKING THEM INACCESSIBLE, RELOCATE THE EXISTING OUTLET, EQUIPMENT OR DEVICE AS REQUIRED OR MAKE OTHER PROVISIONS TO PROVIDE ACCESS.
- 6. RECONNECT EXISTING OUTLETS, LIGHTS, ETC. THAT ARE TO REMAIN THAT ARE DISRUPTED BY REMOVAL OF OTHER EXISTING OUTLETS IN THE CONDUIT RUN AS REQUIRED TO PROVIDE CONTINUITY OF THE CIRCUITS.
- 7. REMOVE ALL EXISTING CONDUITS IN CEILING SPACES FOR SYSTEMS, EQUIPMENT AND DEVICES OR OUTLETS BEING REMOVED THAT ARE NOT BEING REUSED AND ALL ABANDONED EXISTING CONDUITS. REMOVE ALL EXISTING CONDUITS IN WALLS OR FLOORS FOR DEVICES BEING REMOVED THAT INTERFERE WITH NEW CONSTRUCTION. REMOVE WIRE FROM ABANDONED CONDUITS.
- 8. REMOVE ALL ABANDONED SIGNAL SYSTEM CABLES IN CEILING SPACE.
- 9. THE WORD "ELECTRICAL" USED IN THE CONTEXT OF THESE DEMOLITION PLANS INCLUDES LIGHTING, ELECTRICAL DEVICES & EQUIPMENT, AND ALL SIGNAL SYSTEMS.
- 10. REFER TO LIGHTING, POWER & SIGNAL PLANS FOR ADDITIONAL EXISTING ELECTRICAL TO REMAIN.
- 11. WHERE EXISTING DEVICES OR EQUIPMENT ARE INDICATED TO BE REMOVED IN WALLS THAT ARE TO REMAIN, ALSO REMOVE OUTLET BOX OR BACKBOX AND PATCH WALL FINISH TO MATCH SURROUNDING AREA.
- 12. WHERE EXISTING OUTLETS ARE REMOVED AND THE EXISTING CIRCUIT IS NOT SERVING REMAINING OUTLETS. REMOVE EXISTNG WIRE AND CONDUIT BACK TO THE SERVING PANELBOARD AND UPDATE THE PANELBOARD CIRCUIT DIRECTORY INDICATING "SPARE" FOR ALL UNUSED CIRCUIT BREAKERS.

ARCHITECTS

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# TCMC **EMERGENCY** DEPARTMENT

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SFEIR ARCHITECTS 5151 SHOREHAM PLACE, SUITE 100 <sup>∕6</sup> ∖ SAŅ DIĘGO, CAĻIFORNIA 92122 ֻ TEL(619)299-3917 FAX(619)299-5084

STRUCTURAL: SUN STRUCTURAL ENGINEERING, INC. 2091 LAS PALMAS DRIVE, SUITE D CARLSBAD, CALIFORNIA 92011 TEL(760)438-1188

> 9665 CHESAPEAKE DRIVE, SUITE 230 SAN DIEGO, CALIFORNIA 92123 TEL(619)618-2347 FAX(619)330-0668



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<b>1</b>		
$^{\wedge}$ $^{\wedge}$	OSHPD COMMENTS	11/18/16
$\frac{\sqrt{2}}{\sqrt{2}}$	DESIGN CHANGES	11/18/16
$\frac{\sqrt{3}}{\sqrt{3}}$	OSHPD COMMENTS	02/15/17
4 4	DESIGN CHANGES	02/15/17
<u>/5</u> <u>A</u>	OSHPD COMMENTS	08/11/17
<u>6</u> 6	DESIGN CHANGES	10/30/17



REV: DESCRIPTION:

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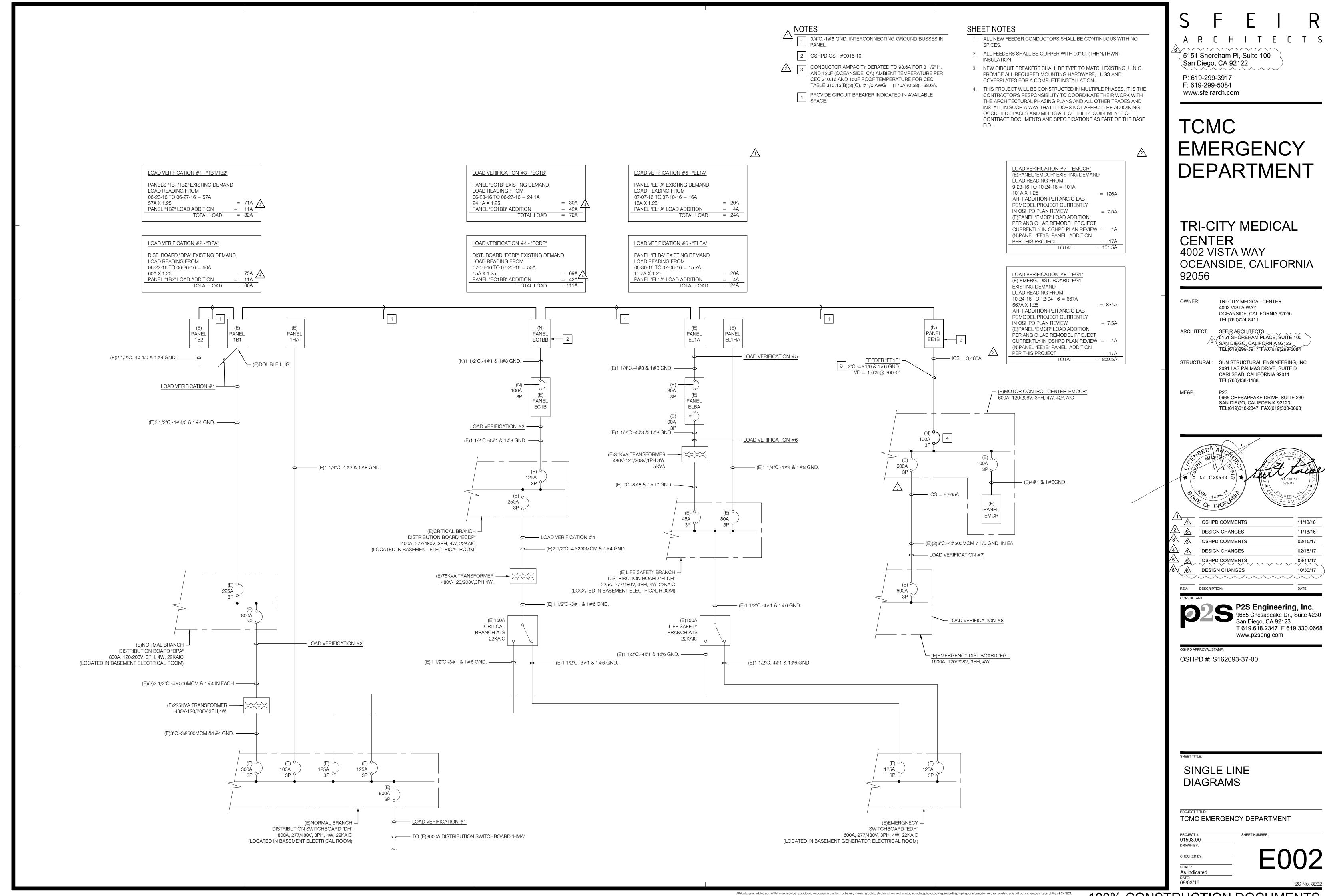
OSHPD #: S162093-37-00

GENERAL NOTES, LEGEND AND **ABBREVIATIONS** 

TCMC EMERGENCY DEPARTMENT

SHEET NUMBER

01593.00 CHECKED BY As indicated



100% CONSTRUCTION DOCUMENTS

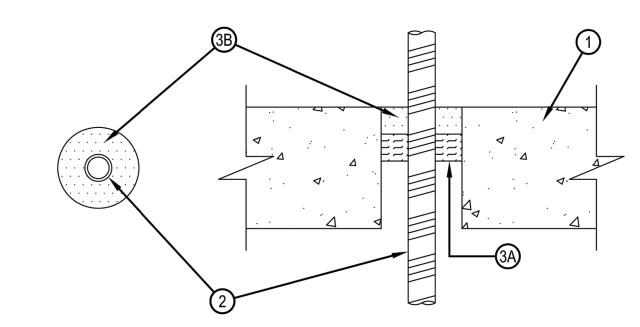


11/18/16 11/18/16 02/15/17 02/15/17 08/11/17 10/30/17



### System No. C-AJ-1326

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Rating — 2 Hr	F Rating — 2 Hr
T Rating — 1 Hr	FT Rating — 1 Hr
L Rating At Ambient — Less Than 1 CFM/sq ft	FH Rating — 2 Hr
L Rating At 400 F — Less Than 1 CFM/sq ft	FTH Rating — 1 Hr



SECTION A-A

1. Floor or Wall Assembly — Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m3) concrete. Wall may also be constructed of any UL Classified Concrete Blocks\*. Max diam of opening is 3 in. (76 mm).

2. Through Penetrant\* — Flexible Steel Conduit+ — Nom 1 in. (25 mm) diam (or smaller) flexible steel conduit. Max one conduit to be installed either concentrically or eccentrically within the firestop system. The annular space between pipe and periphery of opening shall be min 1/2 in. (13 mm) to max 1-1/2 in. (38 mm). Conduit to be rigidly supported on both sides of floor or wall assembly.

See Flexible Metal Conduit (DXUZ) category in the Electrical Construction Materials Directory for names and manufacturers. 3. Firestop System — The firestop system shall consist of the following: A. Forming Materials\* — Forming material, min 1 in. (25 mm) thick, to be foamed into opening as a permanent form. Forming material to be

See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.

recessed from top surface of floor and both surfaces of wall to accommodate the required thickness of fill material. HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CF812 or CF-AS CJP Foam Sealant

B. Fill, Void or Cavity Materials\* — Sealant — Min 1 in. (25 mm) thickness of fill material applied within the annulus, flush with top surface of

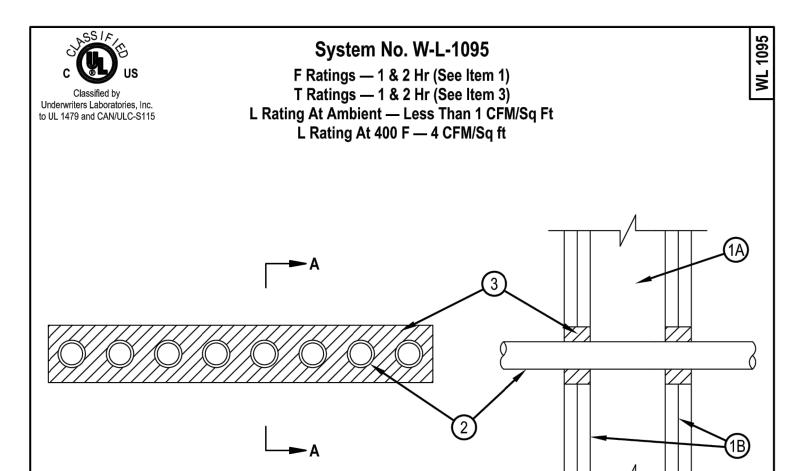
HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE Sealant or FS-ONE MAX Intumescent Sealant.

\* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

+Bearing the UL Listing Marking



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1. Wall Assembly — The 1 or 2 h fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300 or U400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction

A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC. Steel studs to be min 2-1/2 in. wide and spaced max 24 in. OC.

B. Gypsum Board\* — 5/8 in. thick, 4 ft wide with square or tapered edges. The gypsum wallboard type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance Directory. Max size of opening 2-5/8 in. by 18 in. The hourly F Rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is

2. Electric Metallic Tubing (EMT) — One or more nom 1 in. diam steel electric tubing. The annular space shall be min 1/2 in. to a max 1 in. Conduit to be rigidly supported on both sides of wall assembly.

3. Fill, Void or Cavity Material\* — Sealant — For 2 h F Rating, min 1-1/4 in. thickness of fill material applied within the annulus, flush with both surfaces of wall. For 1 h F Rating, min 5/8 in. thickness of fill material applied within the annulus, flush with both surfaces of wall. HILTI CONSTRUCTION CHEMICALS, DIV OF

HILTI INC — FS-One Sealant \*Bearing the UL Classification Mark



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**SECTION A-A** 

		TOTAL		LAMPS				
TYPE	DESCRIPTION	V-A	NO.	V-A	TYPE	VOLTAGE	MTG.	REMARKS
A1 28	RECESSED T-BAR MOUNTED DIMMABLE 2' X 2' 4000K LED WITH OPAL ACRYLIC CENTER LENS. LUTRON H-SERIES 0-10V 1% DIMMING DRIVER. FOCAL POINT #FEQ2-22-AC-2500L-40K-1C-UNV-LH1-G-WH	28	-	28	LED	UNV	R	NOTES 1, 2, 3
A2 28	RECESSED T-BAR MOUNTED DIMMABLE 2' X 2' 4000K LED WITH OPAL ACRYLIC CENTER LENS. STANDARD 0-10V DIMMING DRIVER. FOCAL POINT #FEQ2-22-AC-2500L-40K-1C-UNV-LD1-G-WH	28	-	28	LED	UNV	R	NOTES 1, 2
A3 41	RECESSED T-BAR MOUNTED 2' X 4' 4000K LED WITH OPAL ACRYLIC CENTER LENS. STANDARD 0-10V DRIVER. FOCAL POINT #FEQ2-24-AC-4000L-40K-1C-UNV-LD1-G-WH	41	-	41	LED	UNV	R	NOTES 1, 2
B1 77	4" WIDE X 6'-0" LONG 1000 LUMEN PER FOOT OUTPUT LED WITH LUTRON 3-WIRE 1% DIMMING DRIVER, WHITE TRIM AND 15/16 LAY IN T-GRID HANGERS. FOCAL POINT #FSM4L-FL-1000LF-40K-1C-120-LH1-G1-WH-6	77	-	77	LED	120	R	NOTES 1, 2, 3
B2 102	4" WIDE X 8'-0" LONG 1000 LUMEN PER FOOT OUTPUT LED WITH LUTRON 3-WIRE 1% DIMMING DRIVER, WHITE TRIM AND 15/16 LAY IN T-GRID HANGERS. FOCAL POINT #FSM4L-FL-1000LF-40K-1C-120-LH1-G1-WH-8	102	-	102	LED	120	R	NOTES 1, 2, 3
C1 24	6" DIAMETER 2000 LUMEN 55 DEGREE RECESSED GRID MOUNTED LED DOWNLIGHT WITH WIDE BEAM SPREAD AND MICRO PRISM SOLITE LENS. #RDFO6LEDXT-13L-XW-E-1-CB24-RD6F-SG-SOX	24	-	24	LED	120	R	NOTES 1, 2
C2 24	6" DIAMETER 2000 LUMEN 55 DEGREE GYPSUM CEILING MOUNTED LED DOWNLIGHT WITH WIDE BEAM SPREAD AND MICRO PRISM SOLITE LENS. #RDFO6LEDXT-13L-XW-E-1-H12-RD6F-SG-SOX	24	-	24	LED	120	R	NOTES 1, 2
C3 24	6" DIAMETER 2000 LUMEN RECESSED LED DOORLIGHT. GYPSUM CEILING MOUNTED WITH WIDE BEAM SPREAD. WET LOCATION LISTED. PROVIDE SEMI-DIFFUSE FROSTBED GLASS LENS. SPECTRUM LIGHTING. #RDFO6LEDXT-20L-XW-E-1-H12-RD6FSG-FGW	24	-	24	LED	120	R	NOTES 1, 2
D1 187	4" WIDE X 28'-0" x 16'-0" 1000 LUMEN PER FOOT OUTPUT "L" SHAPED LED WITH LUTRON 3-WIRE 1% DIMMING DRIVER, WHITE TRIM AND 15/16 LAY IN T-GRID HANGERS. FOCAL POINT #FSM4L-FL-1000LF-40K-1C-120-LH1-G1-WH-28' x 16'	187	-	187	LED	120	R	NOTES 1, 2, 4
D2	4" WIDE X 22'-4" x 10'-4" 1000 LUMEN PER FOOT OUTPUT "L" SHAPED LED WITH LUTRON 3-WIRE 1% DIMMING DRIVER, WHITE TRIM AND 15/16 LAY IN T-GRID HANGERS. FOCAL POINT #FSM4L-FL-1000LF-40K-1C-120-LH1-G1-WH-22'-4" x 10'-4"	140	-	140	LED	120	R	NOTES 1, 2, 4
E1 2	LED EDGE LIT CEILING MOUNTED EXIT SIGN LETTER COLOR TO MATCH BUILDING STANDARD. PROVIDE DIRECTIONS ARROWS AS INDICATED ON PLANS. SURE-LITES #EUX6	2	-	2	LED	120	UNV	NOTES 1, 2
F1 60	FLEXIBLE LED STRIP LIGHT WITH 32 COOL WHITE LEDS PER FOOT, 3M ADHESIVE TAPE BACKING AND 60 WATT POWER SUPPLY. ASPECT LED LED TAPE #AL-SL-NN-U-CW-24 ASPECT LED POWER SUPPLY #AL-PS-W-D-60-24V	60	-	60	LED	120	S	NOTES 1, 2, 5
G1 26	RECESSED T-BAR MOUNTED DIMMABLE 1' X 4' 4000K LED WITH OPAL ACRYLIC CENTER LENS. STANDARD 0-10V DIMMING DRIVER. FOCAL POINT #FEQ2-14-AC-2500L-40K-1C-UNV-LD1-G-WH	26	-	26	LED	UNV	R	NOTES 1, 2

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### GENERAL NOTES:

ALL LED LUMINAIRES SHALL BE PROVIDED WITH 3500K COLOR TEMPERATURE LAMPS (UNLESS 1. OTHERWISE NOTED) AND ELECTRONIC DRIVER AS SPECIFIED.

W = WALL

### KEY NOTES:

SYSTEM.

PROVIDE COMPLETE WITH ALL MOUNTING HARDWARE REQUIRED FOR A COMPLETE INSTALLATION.

2. REFER TO ARCHITECTURAL PLANS FOR CEILING TYPE.

3. PROVIDE LUTRON H-SERIES 1% DIMMING DRIVER.

4. VERIFY EXACT LENGTHS WITH ARCHITECTURAL REFLECTED CEILING PLAN.

5. PROVIDE ALL COMPONENTS FOR A COMPLETE AND OPERABLE COVE LIGHT

### ABBREVIATIONS:

P = PENDANTR = RECESSEDS = SURFACEPO = POLE

> OSHPD COMMENTS 11/18/16 11/18/16 DESIGN CHANGES OSHPD COMMENTS 02/15/17 DESIGN CHANGES 02/15/17 08/11/17 OSHPD COMMENTS

> > DESIGN CHANGES 10/30/17 REV: DESCRIPTION:

ARCHITECTS

**EMERGENCY** 

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OSHPD #: S162093-37-00

LUMINAIRE AND FIRE STOP DETAILS

TCMC EMERGENCY DEPARTMENT

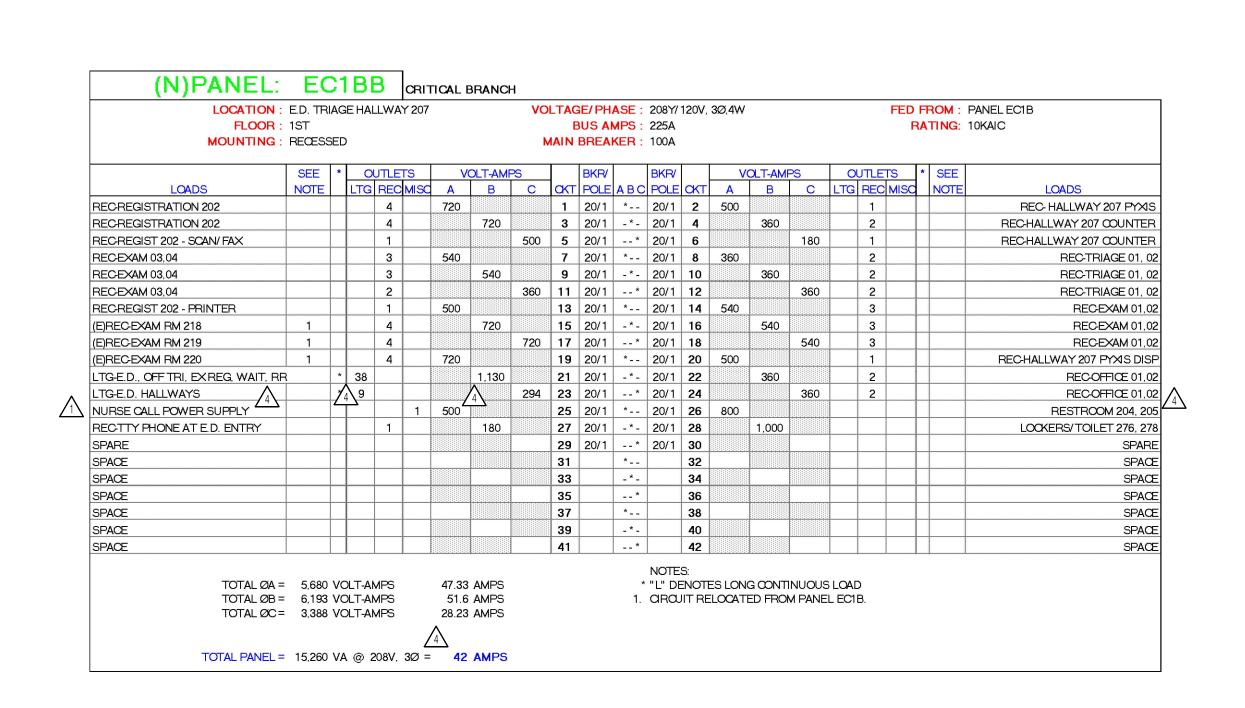
01593.00 As indicated

LOCATION :	E.D. COF	RRIDOF	٦.	,			VO	LTAG	E/PH	ASE :	208Y/	120V,	3Ø,4W			FED	FROM:	PANEL ELBA
FLOOR:	1ST							В	US A	MPS:	100A					R	ATING:	10KAIC
MOUNTING :	REŒSS	SED					N	MAIN	BREAI	KER :	80A							
	SEE		DUTLE			DLT-AM			BKR/		BKR/			OLT-AM		OUTLETS	* SEE	
LOADS	NOTE	LTG	REC	MISC	Α	В	С				POLE		Α	В	С	LTG REC MISC	NOTE	LOADS
(E)REC-POLICE #248								1	20/1	*	20/1	2						(E)REC-TELEBKBD
(E)RECRADIO#252								3	20/1	_*_	20/1	4						(E)RECINTERCOM SYSTEM
E)RECRADIO#252								5	20/1	*	20/1	6						(E)REC-SIGNAL ROOM
(E)F.A. FLOW SWITCH			_	-				7	20/1	*	20/1	1						(E)FIRE ALARM CONTROL PANEL
SPARE				-	1	55: 55: 55: 55: 1		9	20/1	_ * _	20/1	1						(E)MED GAS ALARM PANELS
SPARE (IN ŒILING)							1	11	20/1	*	20/1	ŧ						(E)MED GAS ALARM PANELS
(E)REC-PROCESSOR XRAY					300000000000000000000000000000000000000			13	20/1	*	<del></del>	14						(E)XRAY SHUNT TRIP
(E)REC-PROC CONTROL RM					1			15	20/1	_*_	<del></del>	16						(E)LOAD
(E)DIGITAL MONITORS							1	17	20/1	*	20/1	<u> </u>						(E)LOAD
(E)LOAD								19	20/1	*		20						SPACE
E.D. CORR. EGRESS AUTODOOR	1					900		21	20/1	_*_		22						SPAŒ
LTG-E,D, EGRESS & EXIT SIGNS	1	17					374	23	20/1	*		24						SPACE
E.D. MED GAS ALARM PNL	1			1	200			25	20/1	*		26						SPACE
SPACE								27	25	_*_		28						SPACE
SPACE								29		*		30						SPACE
								31		*		32						
								33		-*-		34						
								35		*		36						
								37		*		38						
								39		.*.		40						
								41		×		42						
TOTAL ØA = TOTAL ØB =		VOLT-A				AMPS AMPS						ENOTI			1NUOUS ER INDIC	S LOAD CATED IN AVAILAE	BLE SPAC	=
TOTAL ØC =	374	VOLT-A	AMPS	3Ø =	3.117	AMPS	i.											

FLOOR: MOUNTING:  LOADS		ED							BUS AN		FED FROM: MOTOR CNTL CTR EMCCR RATING: 10KAIC							
						MAIN BREAKER: 100A											ATING. 10	^
LOADS	SEE							907,220 '50'			N Westerland							<u> </u>
LOADS		*	OUTLE			OLT-AM	PS		<b>BKR/</b>		BKR/		V	OLT-AMI	PS PS	OUTLETS	* SEE	
Activities (Co. Co. Principles)	NOTE	L	TG REC	MISC		В	С	13	POLE				Α	В	С	LTG REC MISC	NOTE	LOADS
EF-1 (1 1/2HP) (E.D. ROOF)				1	684			1	15/3	*		2	828			1		E.D. WAIT ROLLDOWN DOC
						684		3	-	_*_	20/1	4		828		1		E.D. WAIT ROLLDOWN DOC
							684	5	-	*	20/1	6			828	1		E.D. WAIT ROLLDOWN DOO
V.P. GFO ROOF REC (E.D. ROOF)			1		180			7	20/1	*	20/1	8	828			1		E.D. WAIT ROLLDOWN DOC
PARE								9	20/1	_*_	<del> </del>	10		300		6		E.D. HALLWAY VAV BOXE
PARE						<b></b>		11	20/1	*	20/1	1			300	6		E.D. CSFD
SPARE				-				13	20/1	····		1	E-15-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1					SPAF
6PARE								15	20/1	_*_	20/1	16						SPAF
6PARE								17	201	*	20/1	·						SPAF
BPACE								19		*		20	0.500 0.500 0.500					SPAC
BPACE						8-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2		21		_*_		22						SPAC
6PACE						<b>.</b>		23		*		24		<u> </u>				SPAC
SPACE								25		*		26						SPAC
SPACE								27		_*_		28						SPAC
SPACE								29		*		30						SPAC
SPACE								31		*		32	H-5-14-1-05-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-					SPAC
SPACE								33		_ * _		34						SPAC
SPACE								35		*		36						SPAC
SPACE								37		*		38						SPAC
SPACE								39		_*_		40						SPAC
SPACE								41		*		42						SPAC

		SED.						Е	BUS AN BREAL	MPS:	225A		3Ø,4W							DIST. PANEL DPA OKAIC
	SEE		0.5	TLETS	1//	DLT-AM	IDC .	1	BKR/	ı	BKR/		1 12	OLT-AM	DC .	Ι α	JTLETS	* 6	SEE T	
LOADS	NOTE			REC MISC		B B	C	акт	POLE	ABC	100000000000000000000000000000000000000	СКТ		B B	C		REC MISC		IOTE	LOADS
PARE				***************************************				1	20/3	*	20/1	2								(E)REC-EXTERIOR VEND MACH
				***************************************				3	-	_ * _	20/1	4								(E)REC-EXTERIOR VEND MACH
								5	_	*	20/1	6								(E)EXTERIOR EDF
E)REC-PORTABLE XRAY								7	20/1	*	20/1	8								(E)EXTERIOR NORTH ENTRANCE
E)REC-PORTABLE XRAY								9	20/1	_*_	20/1	10								(E)FILM VIEWER
E)REC-PORTABLE XRAY								11	20/1	*	20/1	12								(E)LTG-EXTERIORE WAITING
E)REC-UCWASHER RM #234								13	20/1	*	20/1	14								(E)LTG-OORRIDOR
E)REC-OP SCOPES RM #246								15	20/1	_ * _	20/1	16								(E)LTG-OFFICE #211
E)WARMING CAB RM E239								17	20/1	*	20/1	18								(E)REC-WARM CAB RM #227
E)REC-CHAIR RM #238								19	20/1	*	20/1	20								SPARE
E)REC-CHAIR EXAM #214								21	20/1	_*_	20/1	22								SPARE
E)REC-OP SCOPES RM #235								23	20/1	*	20/1	24								(E)RECSILVER RECOVERY
PARE								25	20/1	*	20/1	26								(E)LTG-SKYLIGHT UPLIGHTS
E)WAIT RM #205 EDF								27	20/1	_*_	20/1	28		540			3		1	REC-TRIAGE 01,02
E)LOAD								29	20/1	*	20/1	30			540		3		1	REC-EXAM 01, 02, 03
E)LOAD								31	20/1	*	20/1	32	540				3		1	REC-EXAM 04, CORRIDOR
E)LOAD								33	20/1	-*-	20/1	34		720			4		1	REC-CORR, REGIST, OFF 01,02
E)ED DONOR BOARD								35	20/1	*	20/1	36			1,080		4		1	OORR, REGIS, OFF 01, 02, RR 204, 05
PACE								37		*		38	600						1	EWC-1
PACE								39		_*_		40								SPACE
PACE								41		*		42								SPACE

LOCATION FLOOR		RRIE	OR					VC		SE/ PH			120V,	3Ø,4W	/						OM : [	DIST BOARD ECOP 10KAIC
MOUNTING	REŒSS	ED						ı	MAIN	BREA	KER:	LUG	NLY									
	SEE	*		TLETS			OLT-AN			BKR/		BKR/			/OLT-A			ŲTLE			SEE	
LOADS	NOTE		LTG F	RECIM		A	В	С		POLE				Α	В	С	LTG	REC	MISC		NOTE	LOADS
PANEL EC1BB (SUBFEED)	1,2					4,880			1	100/3		20/1	2				-	-		-		(E)RECSUTURE #246
	1,2						4,893		3	-	-*-	20/1	4				-					(E)REC-SUTURE #24
	1,2	_						3,388		-	*	20/1	6		-							(E)REC-MEDIA PREP #2
E)REC-EXAM ROOM #221									7	20/1	*	20/1	8									(E)REC-ENT EXAM #2
E)REC-EXAM ROOM #222		-							9	20/1	_ * _	20/1	10									(E)RECGYN EXAM #2
E)REC-EXAM ROOM #214		_							11	20/1	*	20/1	12				-	_		$\vdash$		(E)RECGYN EXAM #2
E)REC- CAST ROOM #225N									13	20/1	*	20/1	14									(E)RECSUTURE #210
E)REC- CAST ROOM #225S									15	20/1	_ * _	20/1	16									(E)REC-SUTURE #21
E)REC-PHARMACY #207									17	20/1	*	20/1	18									(E)REC-NURSE STATION #2
E)LTG-EXAM #218-#221									19	20/1	*	20/1	20					1		$\vdash$		(E)REC-TRIAGE, AUTODO
E)LTG-EXAM #214, #222, #225		-							21	20/1	- * -	20/1	22									(E)OLOOKS 247-48, 251
SPARE									23	20/1	*	20/1	24					-	_	-		(E)PNEUMATIC TUBE STATI
E)LTG-EXAM #238, #235									25	20/1	*	20/1	26							H		(E)LTG-OFFICE #2
E)LTG-EXAM #246									27	20/1	_ * _	20/1	28									(E)REC-OFFICE #2
(E)LTG-EXAM #246									29	20/1	*	20/1	30									(E)LTG-214-25-35-36
E)LTG-EXAM #216									31	20/1	*	20/1	32					1		$\vdash$		(E)LTG-247-48-52, 203
E)LTG-EXAM #216									33	20/1	_ * _	20/1	34					-				(E)LTG-216, 218-2
E)AUTODOOR PULMONARY		_							35	20/1	*	20/1	36							$\vdash$		(E)REC BEHIND PROCESS
SPARE									37	20/1	*	20/2										(E)PROCESS
SPARE									39	20/1	_ * _	-	40									
(E)RECADMITTING					A.				41	20/1	*	20/1	42									(E)LTG-XRAY
TOTAL ØA: TOTAL ØB: TOTAL ØC:	= 4,893	VO	T-AMF	PS	S 40.78 AMPS 1. EXISTING 20 AMP 1 POLE CIRUCIT BREAKER TO BE REMOVED AND REPLACED																	



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OSHPD COMMENTS 02/15/17 02/15/17 DESIGN CHANGES 08/11/17 10/30/17

REV: DESCRIPTION:

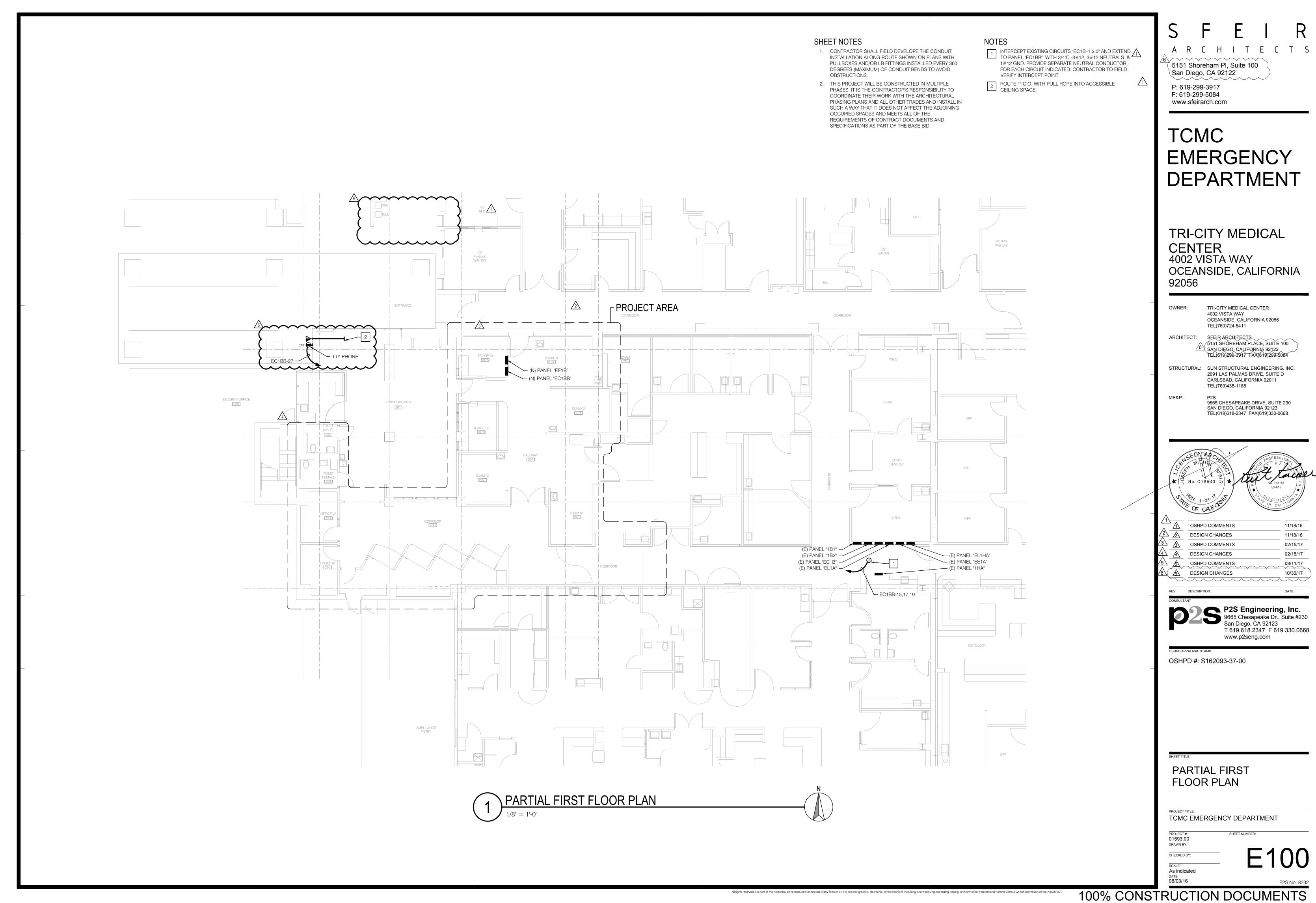
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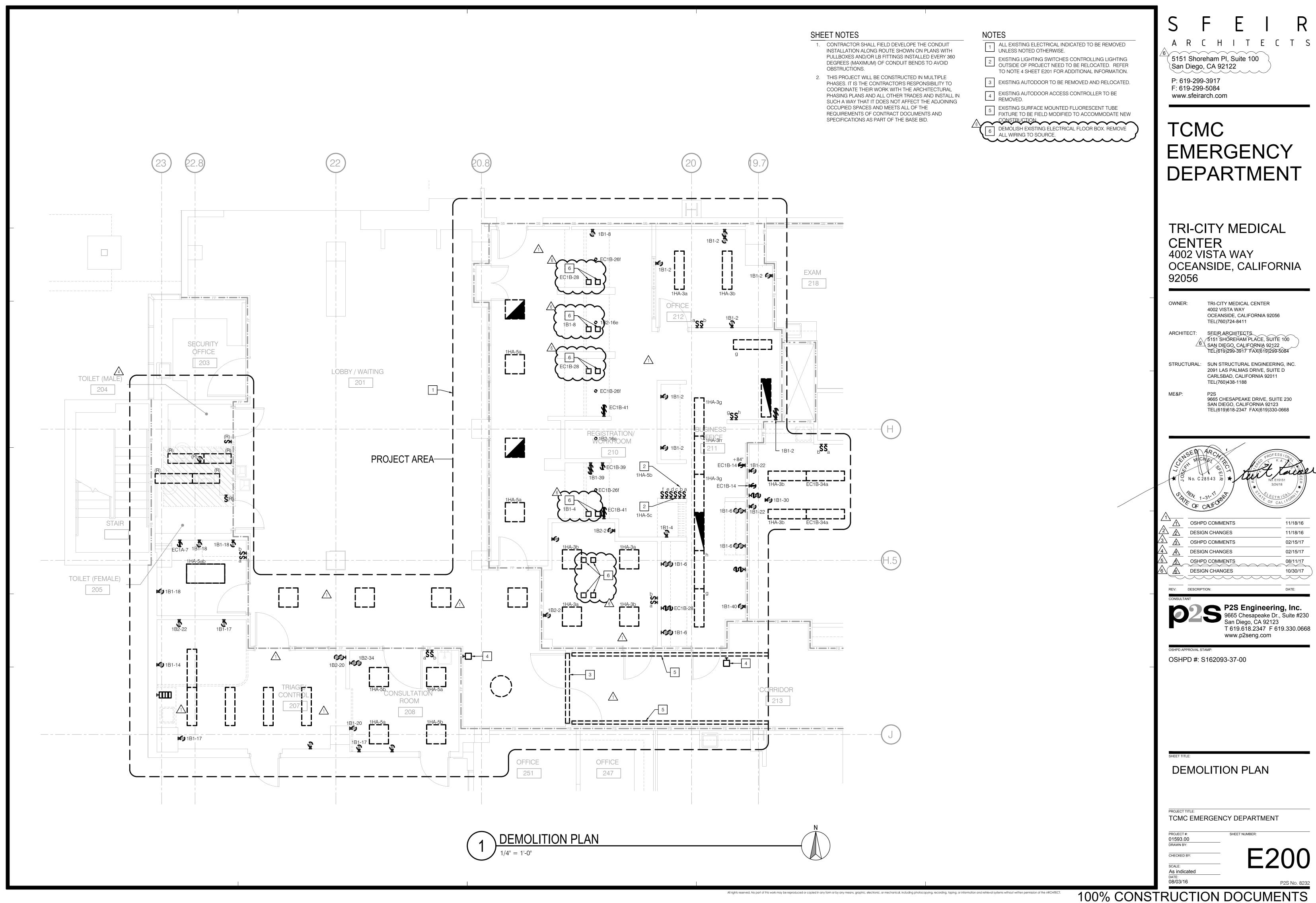
OSHPD #: S162093-37-00

**PANEL** SCHEDULES

TCMC EMERGENCY DEPARTMENT

01593.00 As indicated





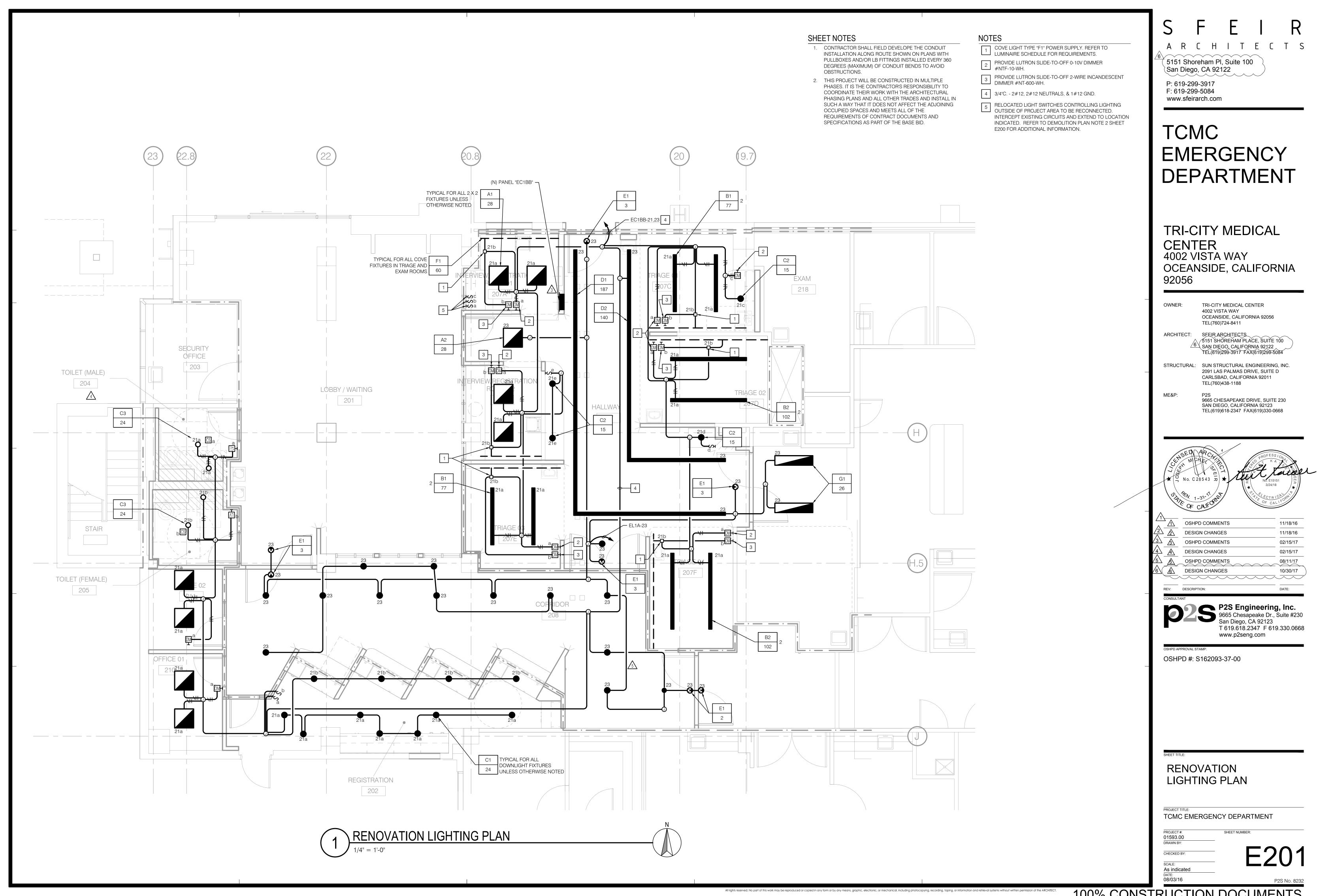
# **EMERGENCY**

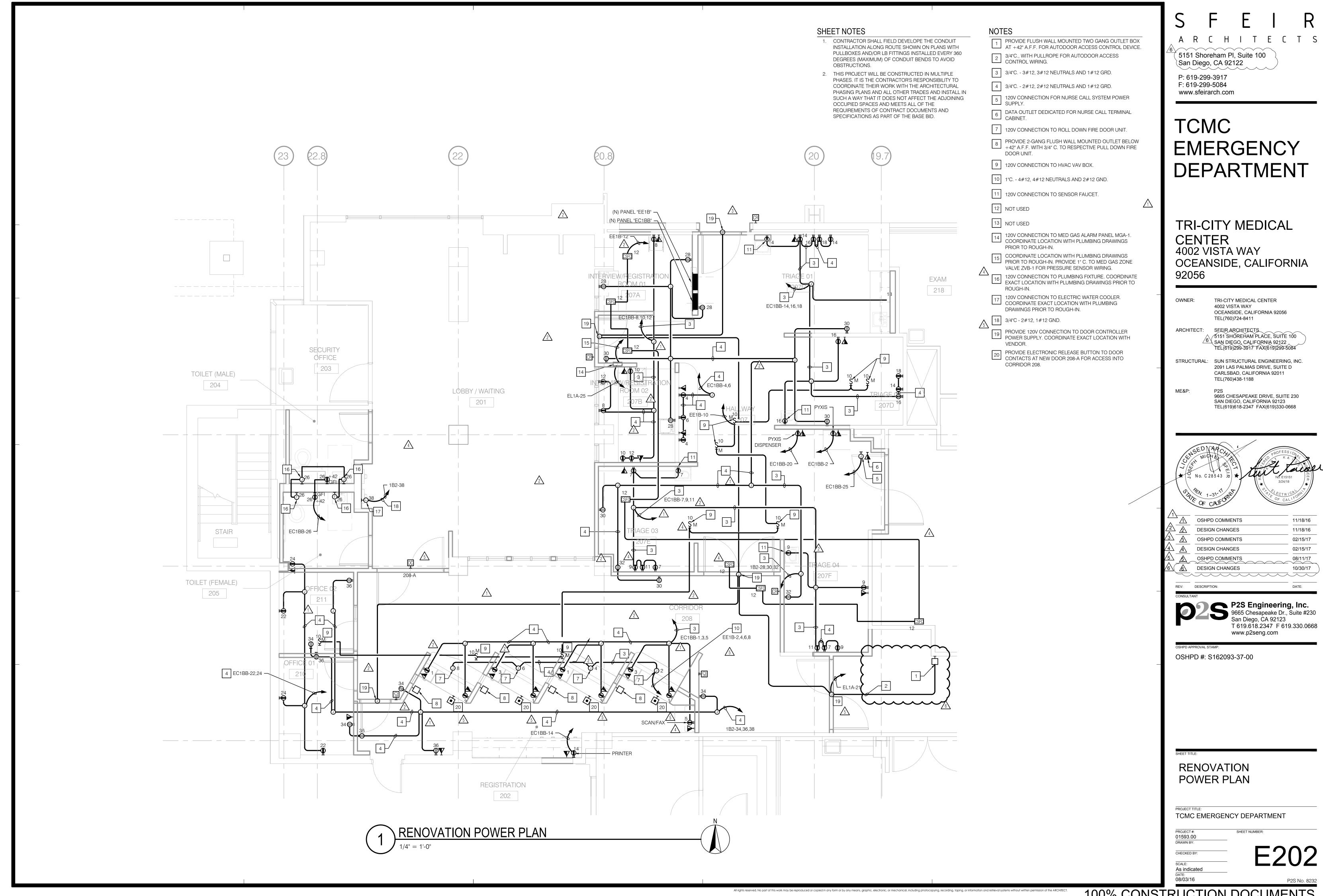
OCEANSIDE, CALIFORNIA

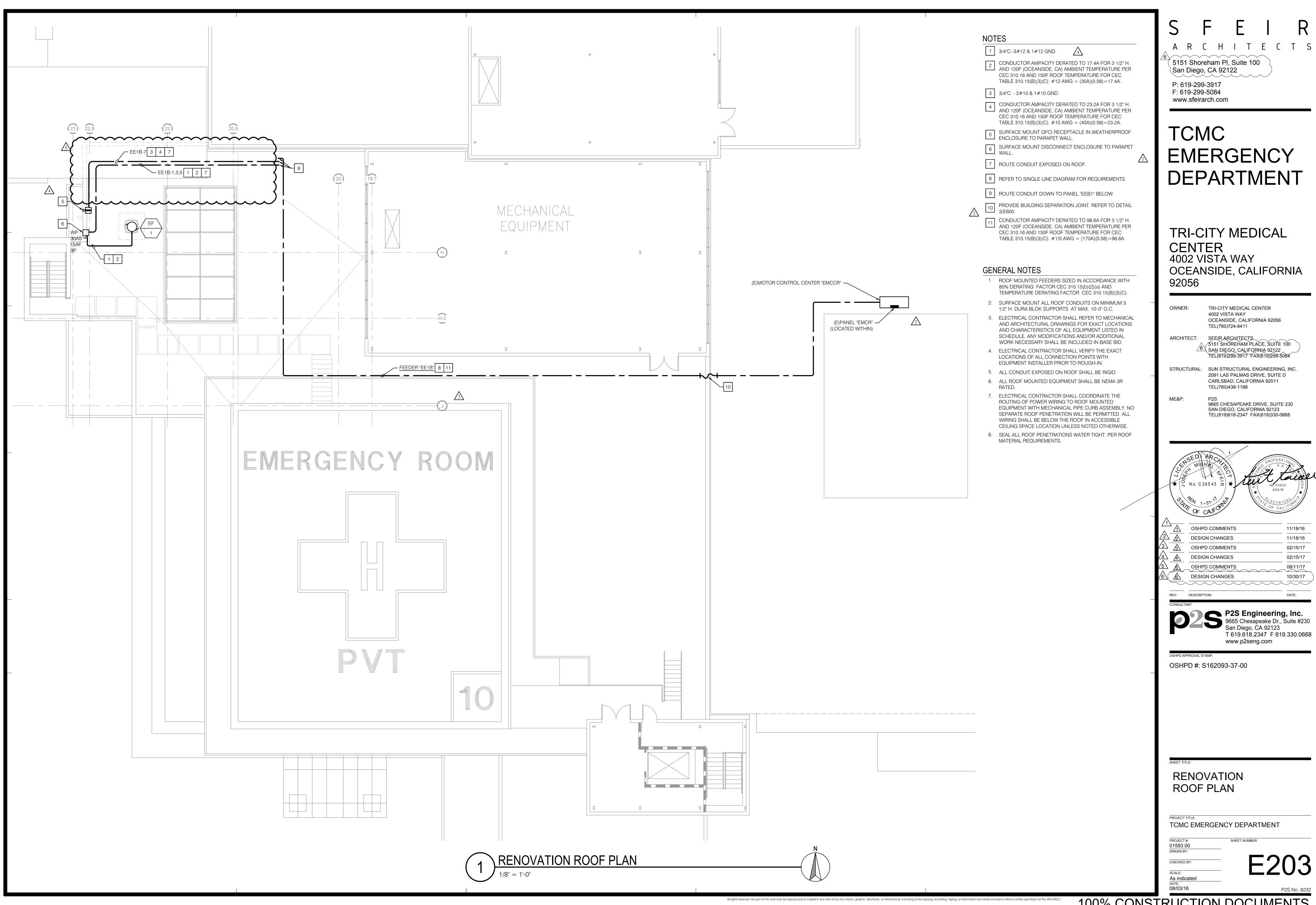
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11/18/16 11/18/16 02/15/17 02/15/17



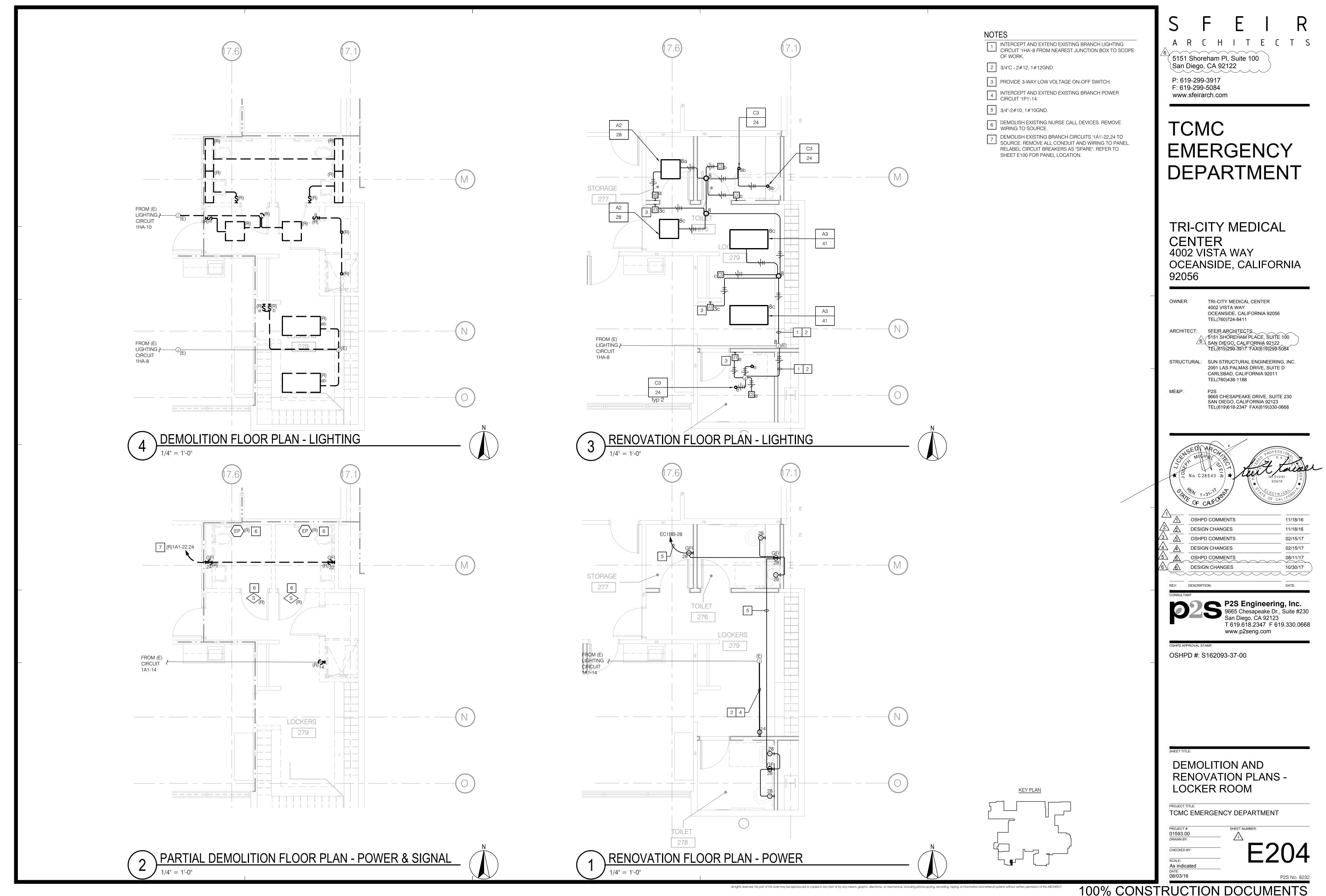


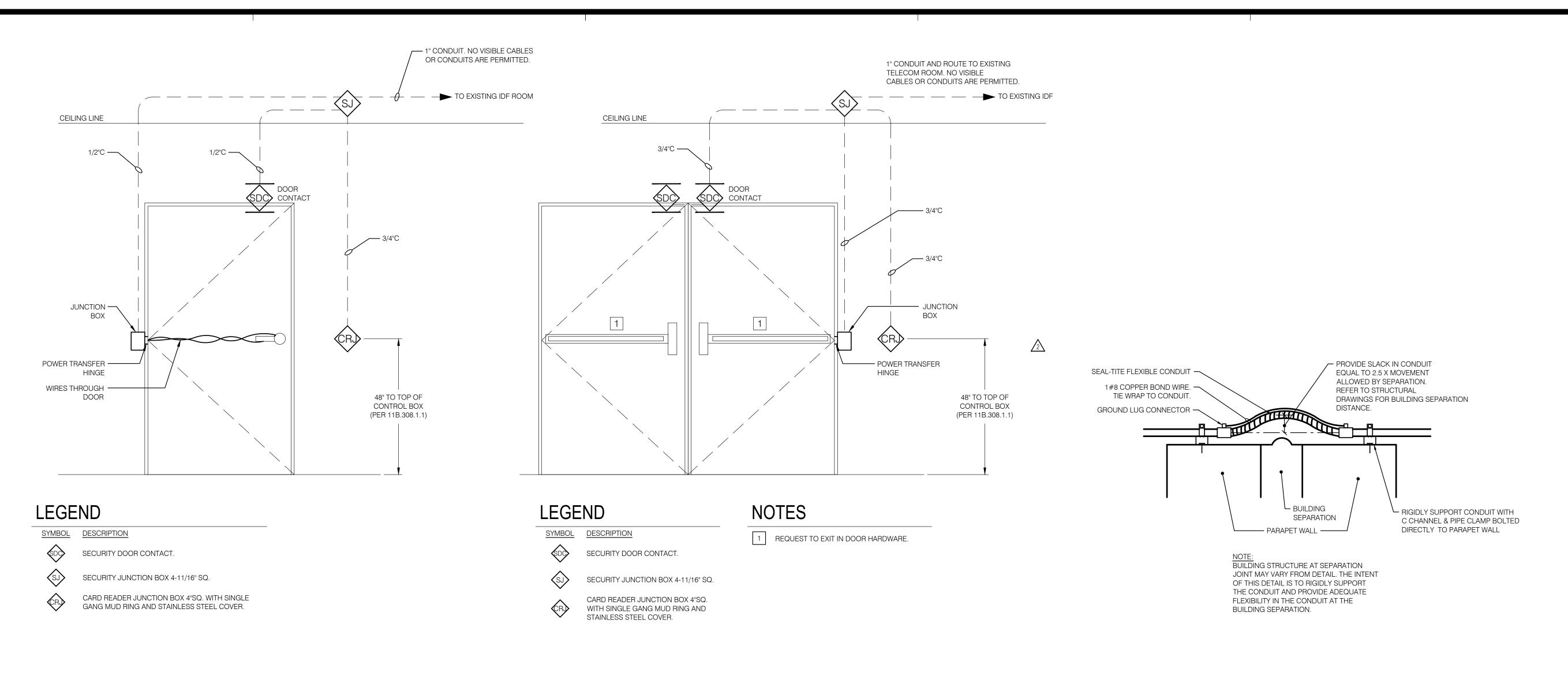


100% CONSTRUCTION DOCUMENTS



11/18/16 11/18/16 02/15/17 02/15/17





SINGLE DOOR - ACCESS CONTROL CONDUIT RISER

NO SCALE

2 DOUBLE DOOR - ACCESS CONTROL CONDUIT RISER
NO SCALE

BUILDING SEPRARATION CONDUIT DETAIL

NO SCALE



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1		
$\bigwedge$	OSHPD COMMENTS	11/18/16
$\frac{\sqrt{2}}{\sqrt{2}}$	DESIGN CHANGES	11/18/16
$\frac{\sqrt{3}}{2}$	OSHPD COMMENTS	02/15/17
4 $4$	DESIGN CHANGES	02/15/17
<u>/5</u>	OSHPD COMMENTS	08/11/17
66	DESIGN CHANGES	10/30/17
REV:	DESCRIPTION:	DATE:



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OSHPD #: S162093-37-00

DETAILS

PROJECT TITLE:
TCMC EMERGENCY DEPARTMENT

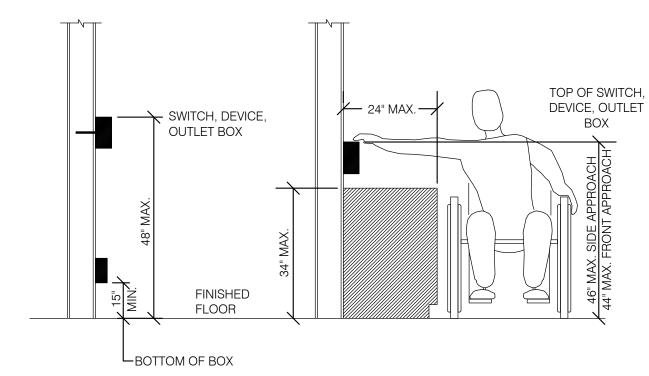
O1593.00
DRAWN BY:
CHECKED BY:

E601

# FIRE ALARM DEVICE SCHEDULE

	SYMBOL	MANUF.	CATALOG #	DESCRIPTION	C.S.F.M.	MOUNTING INFORMATION
	FACP	NOTIFIER	AFP-400	EXISTING FIRE ALARM CONTROL PANEL	-	X
	Ø	WHEELOCK	CH90-24MCC-FR	CEILING MOUNTED CHIME AND STROBE (RED)	7125-0785:0151	
<u>/3</u>	$\mathbf{z}^{c}$	WHEELOCK	RSS-24MCC-FR	CEILING MOUNTED STROBE (RED)	7125-0785:0141	X
	$\Leftrightarrow$	NOTIFIED	FSD-751PL	DUCT SMOKE DETECTOR	3240-0028:0205	
	Φ	NOTIFIER	FSP-851	SMOKE DETECTOR	7272-0028:0206	

# MOUNTING HEIGHT OVER OBSTRUCTION





ONLY DEVICE TYPES AND LOCATIONS HAVE BEEN REVIEWED. FIRE ALARM DRAWINGS ARE TO BE SUBMITTED FOR DEFERRED APPROVAL.

# **GENERAL NOTES**

- 1. APPLICABLE CODES: 2012 IBC AND 2013 CALIFORNIA AMENDMENTS (2013 CALIFORNIA BUILDING CODE - PART 2, TITLE 24, CCR) 2011 NEC AND 2013 CALIFORNIA AMENDMENTS (2013 CALIFORNIA ELECTRICAL CODE - PART 3, TITLE 24, CCR) 2013 UMC AND 2012 CALIFORNIA AMENDMENTS (2012 CALIFORNIA MECHANICAL CODE - PART 4, TITLE 24, CCR) 2013 UPC AND 2012 CALIFORNIA AMENDMENTS (2012 CALIFORNIA PLUMBING CODE - PART 5, TITLE 24, CCR)-
  - (PUBLISHER:IAPMO)
- 2012 IFC AND 2013 CALIFORNIA AMENDMENTS (2013 CALIFORNIA FIRE CODE - PART 9, TITLE 24, CCR)
- 2. THE INTENT OF THE DRAWINGS AND SPECIFICATIONS IS TO RECONSTRUCT THE HOSPITAL BUILDING IN ACCORDANCE WITH THE CALIFORNIA BUILDINGS STANDARD CODE, TITLE 24, CALIFORNIA CODE OF REGULATIONS. SHOULD ANY CONDITION DEVELOP NOT COVERED BY THE CONTRACT DOCUMENTS WHERE IN THE FINISHED WORK WILL NOT COMPLY WITH THE SAID TITLE 24, CALIFORNIA CODE OF REGULATIONS, A CHANGE ORDER DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY OFFICE OF STATE WIDE HEALTH PLANNING AND DEVELOPMENT BEFORE PROCEEDING WITH THE WORK.
- 3. WHEN INSTALLING DRILLED-IN ANCHORS/OR POWDER DRIVEN PINS IN EXISTING NON-PRESTRESSED REINFORCED CONCRETE, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE EXISTING REINFORCING BARS. WHEN INSTALLING THEM INTO EXISTING PRESTRESSED CONCRETE (PRE- OR POST-TENSIONED), LOCATE THE PRESTRESSED TENDONS BY USING A NON-DESTRUCTIVE METHOD PRIOR TO INSTALLATION. EXERCISE EXTREME CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE TENDONS DURING INSTALLATION. MAINTAIN A MINIMUM CLEARANCE OF ONE INCH BETWEEN THE REINFORCEMENT AND THE DRILLED-IN ANCHOR AND/OR PIN.
- 4. ALL ELECTRICAL SERVICES IN THE HOSPITAL ARE TO REMAIN OPERATIONAL DURING THE ENTIRE CONTRACT PERIOD. ANY INTERRUPTION OF ELECTRICAL POWER FOR THE PERFORMANCE OF THIS WORK SHALL BE ONLY AT SUCH TIME AND SUCH DURATION AS APPROVED IN WRITING BY THE OWNER.
- 5. CUT AND PATCH EXISTING CEILING AND WALL CONSTRUCTION AS REQUIRED FOR CONDUIT, OUTLET BOX, SUPPORTS AND EQUIPMENT INSTALLATION. REPAIR OF EXISTING CONSTRUCTION SHALL MATCH EXISTING TO THE ARCHITECTS SATISFACTION.
- 6. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF CEILING MOUNTED FIXTURES, SMOKE DETECTORS, SPEAKERS & OUTLETS.
- FIRE STOP MATERIALS SHALL BE TESTED ASSEMBLY APPROVED BY THE OSHPD FIRE MARSHAL.

7. ALL CONDUIT PENETRATIONS OF FIRE RATED WALLS, FLOORS AND ROOF SHALL BE FIRE STOPPED.

- 8. CONTRACTOR SHALL COMPLY WITH ALL GROUNDING AND BONDING REQUIREMENTS OF C.E.C. 517-13,15 & 78.
- 9. ADJUST CEILING MOUNT SMOKE DETECTOR LOCATIONS IF REQUIRED TO PROVIDE 3 FOOT MINIMUM DISTANCE FROM SUPPLY AIR DIFFUSERS. CEILING MOUNT SMOKE DETECTORS AT FIRE DOORS, SHALL BE LOCATED 5 FOOT MAXIMUM FROM FIRE DOOR.
- 10. PROVIDE LOWRY SOUND DEADENING CLAY PADS ON BACK & SIDES OF ALL OUTLETS & BACKBOXES IN COMMON WALLS OF PATIENT ROOMS.
- 11. LOCATIONS OF DISCONNECT SWITCHES AND CONNECTIONS FOR MECHANICAL AND PLUMBING EQUIPMENT ARE SHOWN DIAGRAMMATICALLY. VERIFY ACTUAL CONNECTION LOCATIONS WITH EQUIPMENT SHOP DRAWINGS AND LOCATE DISCONNECT SWITCHES TO PROVIDE CODE REQUIRED CLEARANCES AND ACCESS. DISCONNECT SWITCHES ON ROOF SHALL BE 30" MINIMUM ABOVE ROOF. PROVIDE ANGLE IRON SUPPORT BRACKETS.
- 12. THIS PROJECT WILL BE CONSTRUCTED IN MULTIPLE PHASES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE THEIR WORK WITH THE ARCHITECTURAL PLANS AND ALL OTHER TRADES AND INSTALL IN SUCH A WAY THAT IT DOES NOT AFFECT THE ADJOINING OCCUPIED SPACES AND MEETS ALL OF THE REQUIREMENTS OF CONTRACT DOCUMENTS AND SPECIFICATIONS.
- 13. ALL ELECTRICAL DEVICE LOCATIONS AND CONDUIT ROUTING INDICATED ON DRAWINGS ARE



. DEFERRED APPROVAL DRAWINGS SHALL MEET ALL REQUIREMENTS OF CBC 1008.1.9.7 FOR ALL APPLICABLE DOORS.

### **DEMOLITION NOTES**

DIAGRAMMATICALLY SHOWN.

- 1. DRAWINGS OF EXISTING CONDITIONS HAVE BEEN COMPILED FROM EXISTING DATA SUPPLIED BY THE OWNER TO THE ARCHITECT. THE ARCHITECT MAKES NO WARRANTY, EITHER EXPRESSED OR IMPLIED, FOR THE ACCURACY OR COMPLETENESS OF THE EXISTING INFORMATION RECORDED. FIELD VERIFY ALL EXISTING CONDITIONS NOTIFY THE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.
- 2. THE OWNER RESERVES THE RIGHT TO SALVAGE ANY DEMO ITEM. VERIFY ITEMS TO BE SALVAGED WITH THE OWNER PRIOR TO THE START OF DEMOLITION. REMOVE, PROTECT, AND TURN OVER SUCH ITEMS BY DIRECTED BY THE OWNER.
- 3. ALL EXISTING ELECTRICAL, LIGHTING, TELEPHONE, DATA, AND PUBLIC ADDRESS CONDUIT AND WIRING SHALL REMAIN EXCEPT WHERE INDICATED OTHERWISE ON THESE PLANS. RECONNECT EXISTING OUTLETS, DEVICES AND CIRCUITS IN ADJACENT SPACES DISRUPTED BY REMOVAL OF EXISTING OUTLETS, DEVICES OR CIRCUITS IN THIS CONTRACT.
- 4. PROTECT ALL EXISTING CONDUIT, WIRE AND SIGNAL SYSTEMS CABLES PASSING THRU REMODEL AREAS THAT SERVE ADJACENT AREAS.
- 5. WHERE NEW WALL OR CEILING OR OTHER CONSTRUCTION WILL COVER EXISTING OUTLETS, EQUIPMENT OR DEVICES MAKING THEM INACCESSIBLE, RELOCATE THE EXISTING OUTLET, EQUIPMENT OR DEVICE AS REQUIRED OR MAKE OTHER PROVISIONS TO PROVIDE ACCESS.
- 6. RECONNECT EXISTING OUTLETS, LIGHTS, ETC. THAT ARE TO REMAIN THAT ARE DISRUPTED BY REMOVAL OF OTHER EXISTING OUTLETS IN THE CONDUIT RUN AS REQUIRED TO PROVIDE CONTINUITY OF THE CIRCUITS.
- 7. REMOVE ALL EXISTING CONDUITS IN CEILING SPACES FOR SYSTEMS, EQUIPMENT AND DEVICES OR OUTLETS BEING REMOVED THAT ARE NOT BEING REUSED AND ALL ABANDONED EXISTING CONDUITS. REMOVE ALL EXISTING CONDUITS IN WALLS OR FLOORS FOR DEVICES BEING REMOVED THAT INTERFERE WITH NEW CONSTRUCTION. REMOVE WIRE FROM ABANDONED CONDUITS.
- 8. REMOVE ALL ABANDONED SIGNAL SYSTEM CABLES IN CEILING SPACE.
- 9. THE WORD "ELECTRICAL" USED IN THE CONTEXT OF THESE DEMOLITION PLANS INCLUDES LIGHTING, ELECTRICAL DEVICES & EQUIPMENT, AND ALL SIGNAL SYSTEMS.
- 10. REFER TO LIGHTING, POWER & SIGNAL PLANS FOR ADDITIONAL EXISTING ELECTRICAL TO REMAIN.
- 11. WHERE EXISTING DEVICES OR EQUIPMENT ARE INDICATED TO BE REMOVED IN WALLS THAT ARE TO REMAIN, ALSO REMOVE OUTLET BOX OR BACKBOX AND PATCH WALL FINISH TO MATCH SURROUNDING AREA.

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TEL(760)438-1188

9665 CHESAPEAKE DRIVE, SUITE 230 SAN DIEGO, CALIFORNIA 92123 TEL(619)618-2347 FAX(619)330-0668



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		OSHPD COMMENTS	11/18/16
	$\frac{2}{2}$	DESIGN CHANGES	11/18/16
	$\frac{\sqrt{3}}{4}$	OSHPD COMMENTS	02/15/17
	4 4	DESIGN CHANGES	02/15/17
	<u>5</u> <u>A</u>	OSHPD COMMENTS	08/11/17
	<u>6</u> 6	DESIGN CHANGES	10/30/17



REV: DESCRIPTION:

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OSHPD #: S162093-37-00

GENERAL NOTES, LEGEND AND

TCMC EMERGENCY DEPARTMENT

**ABBREVIATIONS** 

01593.00

As indicated

100% CONSTRUCTION DOCUMENTS

SHEET NUMBER

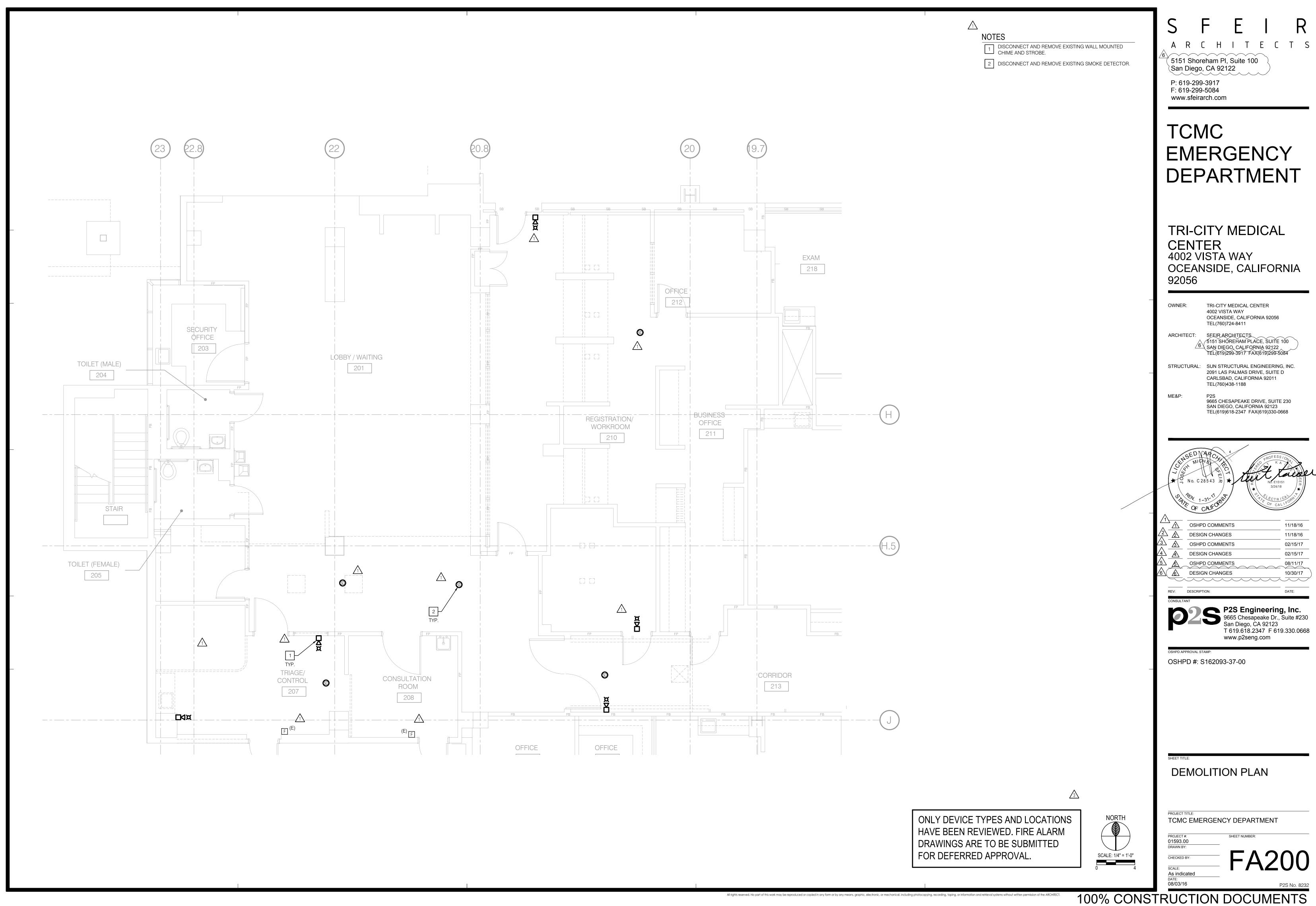
12. WHERE EXISTING OUTLETS ARE REMOVED AND THE EXISTING CIRCUIT IS NOT SERVING REMAINING OUTLETS. REMOVE EXISTING WIRE AND CONDUIT BACK TO THE SERVING PANELBOARD AND UPDATE THE PANELBOARD CIRCUIT DIRECTORY INDICATING "SPARE" FOR ALL UNUSED CIRCUIT BREAKERS.

SHEET INDEX

DESCRIPTION FA001 GENERAL NOTES, LEGEND AND ABBEVIATIONS

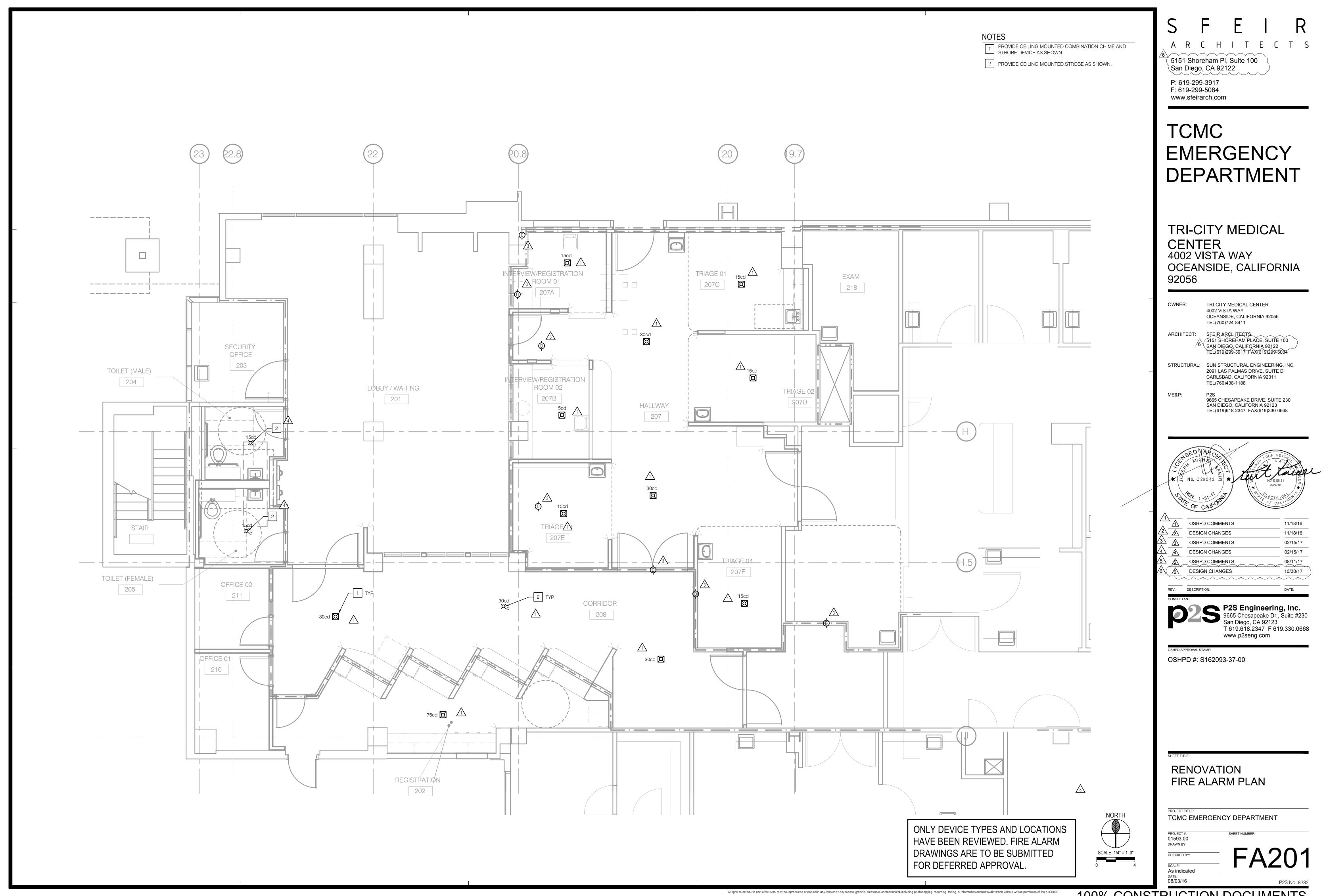
FA200 **DEMOLITION PLAN** /1 FA201 RENOVATION FIRE ALARM PLAN

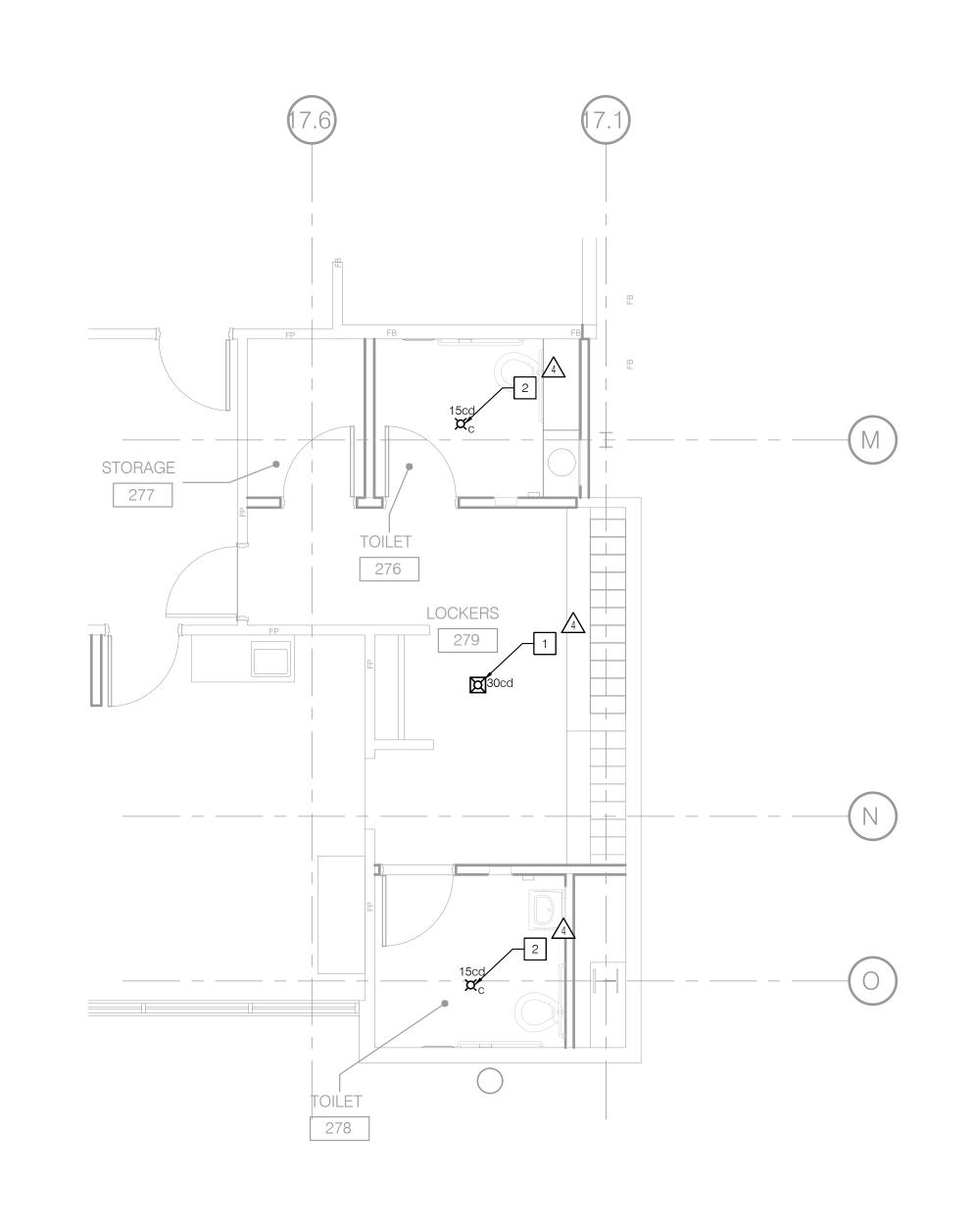
<u>∕</u>3\ <sub>FA202</sub> RENOVATION FIRE ALARM PLAN - LOCKER ROOM



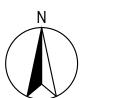


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4 4	DESIGN CHANGES	02/15/17
<u></u>	OSHPD COMMENTS	08/11/17
66	DESIGN CHANGES	10/30/17









NOTES

- PROVIDE CEILING MOUNTED COMBINATION CHIME AND STROBE DEVICE AS SHOWN.
- 2 PROVIDE CEILING MOUNTED STROBE AS SHOWN.

KEY PLAN

A R C H T E C T

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<u>/</u> 5 <u>A</u>	OSHPD COMMENTS	08/11/17
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OSHPD #: S162093-37-00

RENOVATION FIRE ALARM PLAN -LOCKER ROOM

TCMC EMERGENCY DEPARTMENT

01593.00
DRAWN BY:

CHECKED BY:

SCALE:

As indicated

# NAVICARE NURSE CALL

1 17 1 1 1 0						
DEVICE SYMBOL	DEVICE NAME	PART NUMBER	MOUNTING OPTION	BACK BOX TYPE (UL 514-A LISTED)	TYPICAL MOUNTING HEIGHT (VERIFY ALL LOCATIONS WITH OWNER)	DATA CABLE REQUIREMENTS (CMP)
GSO	GRAPHICAL STAFF CONSOLE, DESK MT. (GRS10)	P2500NNC1A00	DESK	1-GANG GW BOX - MUST BE GROUND	18"AFF (UNDER DESK)	2 CABLES TO POE SWITCH
BC	AUDIO STATION RED CONNECTOR (ASBC) (STANDALONE)	P2505NNC1A00 (REV A) P2505NNC1B00 (REV B)	HEADWALL	4" SQ. BOX 2-1/8" DEEP W/ 1-GANG MUD RING OR 1-GANG 3-1/2" DEEP METAL BOX	18" AFF	2 CABLES TO THE PATIENT STATION
< <u>₹</u> >	ZONE LIGHT	P2506NNC8A00	WALL/CEILING	4" SQ. BOX 2-1/8" DEEP W/ 2-GANG MUD RING	CENTER ABOVE PATIENT DOOR 90"AFF	1 CABLE TO RCB
\$	DOME LIGHT, SINGLE BULB	P2506NNC1B00	WALL/CEILING	4" SQ. BOX 2-1/8" DEEP W/ 2-GANG MUD RING	CENTER ABOVE PATIENT DOOR 90"AFF	1 CABLE TO RCB
€P	SWITCH, BATH SWITCH, W/ CANCEL, SUPERVISED	P2520B01	WALL	4" SQ. BOX 2-1/8" DEEP W/ 1-GANG MUD RING	42" AFF	1 CABLE TO RCB
SP	PATIENT STATION - STANDARD ROOM STATION W/ CODE (SRS)	P2594NNC1A11 (REV A) P2594NNC1B11 (REV B)	WALL	3-GANG METAL BOX 2-1/8" DEEP	54" AFF OR 48" TO COMPLY W/ OSHPD AND ADA	1 CABLE TO RCB
RCB	ROOM CONTROL BOARD (RCB) ABOVE CEILING	P2599NNC1B00	ABOVE CEILING	HILL-ROM SUPPLIED 12"x12"x4" STEEL BOX ENCLOSURE	VARIABLE	1 CABLE TO POE SWITCH
POE-24	POE SWITCH	P2519NNC1A24	RACK/SHELF	SWITCH MOUNTS INTO STANDARD WALL MOUNTED EQUIPMENT CABINET		SEE RISER DIAGRAM FOR DETAILS

# SHEET INDEX

SHEET DESCRIPTION

T001 GENERAL NOTES, LEGEND, AND ABBREVIATIONS

T100 PARTIAL SITE PLAN

T202 NURSE CALL PLAN

T501 NURSE CALL DIAGRAMS

T601 NURSE CALL DETAILS

# **ABBREVIATIONS**

ABBREVIATION DESCRIPTION

A OR AMP **AMPERES** ACCU AIR COOLED CONDENSING UNIT AFF ABOVE FINISHED FLOOR AIC AMPERE INTERRUPTING CAPACITY ARCHITECT; ARCHITECTURAL ARCH. AWG AMERICAN WIRE GAUGE BDF BUILDING DISTRIBUTION FRAME CONDUIT CKT CIRCUIT CLG. CEILING C.O. CONDUIT ONLY WITH PULL WIRE CU COPPER DWG DRAWING EΑ EACH EMT ELECTRICAL METALLIC TUBING ENT ELECTRICAL NONMETALLIC TUBING **EQUIPMENT EQUIP** EXIST / (E) **EXISTING EQUIPPED WITH** E/W FCU FAN COIL UNIT FIN. FINISH **FIXTURE** FLOOR **FLUORESCENT** FLUOR FOC FIBER OPTIC CABLE FIBER TERMINAL UNIT **GROUND FAULT INTERRUPTER** GALVANIZED RIGID CONDUIT GRC GND GROUND

GND GROUND
IDF INTERMEDIATE DISTRIBUTION FRAME
JB JUNCTION BOX
LTG. LIGHTING
MDF MAIN DISTRIBUTION FRAME
MH MOUNTING HEIGHT

MH MOUNTING HEIGHT

MM MULTIMODE

MTG. MOUNTING

N NORTH

NEC NATIONAL ELECTRICAL CODE

NIC NOT IN CONTRACT

NO. NUMBER

PH PHASE

PNL PANEL

PWR POWER

P.O.C. POINT OF CONNECTION

PRO PROTECTED TERMINAL
REC/RECEPT RECEPTACLE
REQ'D REQUIRED
RM ROOM
SF SQUARE FEET
SHT SHEET
SM SINGLE MODE
SP SINGLE POLE
SPECS SPECIFICATIONS
SW SWITCH

SW SWITCH
TYP TYPICAL
TERM TERMINATION
UG UNDERGROUND
U.O.N. UNLESS OTHERWISE NOTED
V VOLTS

V-A VOLT-AMPERES
W WATTS
W/ WITH
W/O WITHOUT

REFERENCE WILL BE MADE TO ANSI Y1.1, MILITARY STANDARD IN THE EVENT ABBREVIATIONS NOT MENTIONED HEREIN ARE USED, ABBREVIATIONS, AND OTHER STANDARD INDUSTRY CONVENTIONS.

# **GENERAL NOTES**

1. A NEW HILL-ROM NAVICARE NURSE CALL SYSTEM WILL BE INSTALLED. THE SYSTEM SHALL BE INSTALLED USING NEW EQUIPMENT SUPPLIED TO THE FACILITY. COORDINATE WITH THE FACILITIES DEPARTMENT FOR ACCESS TO THE EXISTING NURSE CALL EQUIPMENT STORED IN THE WAREHOUSE. INSTALL THE SYSTEM ACCORDING TO THE OSHPD APPROVED DRAWINGS. COORDINATE WITH THE FACILITIES ANY ADDITIONAL EQUIPMENT REQUIRED.

- 2. ALTHOUGH THE NEW EQUIPMENT IS IN THE POSSESSION OF THE FACILITIES, THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL NECESSARY HARDWARE, TERMINAL STRIPS, WIRING, MODULES, ADAPTERS, ACCESSORIES, ETC. TO PROVIDE COMPLETE, COMPLIANT AND OPERABLE NURSE CALL SYSTEMS. ADDITIONAL QUANTITIES OF SYSTEM COMPONENTS, IF NECESSARY, SHALL BE PROVIDED TO INSURE COMPLETE AND FULLY OPERATIONAL NURSE CALL SYSTEMS. WHEN THE INSTALLATION IS COMPLETE, THE NURSE CALL SYSTEMS SHALL BE FUNCTION TESTED PER THE REQUIREMENTS OF THE OSHPD APPROVED DOCUMENTS AND TO THE SATISFACTION OF THE INSPECTOR OF RECORD AND FACILITY STAFF.
- 3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN A COMPLETE SET OF CONTRACT DOCUMENTS, ADDENDA, OSHPD APPROVED DRAWINGS AND SPECIFICATIONS. THE CONTRACTOR SHALL CHECK THE APPROVED OSHPD DOCUMENTS AND DETERMINE HIS RESPONSIBILITIES. FAILURE TO DO SO SHALL NOT RELEASE THE CONTRACTOR FROM DOING THE WORK IN COMPLETE ACCORDANCE WITH THE DRAWINGS AND CONTRACT DOCUMENTS.
- 4. THE INSTALLATION SHALL BE PERFORMED PER THE SCHEDULE REQUIRED. THE CONTRACTOR SHALL COORDINATE THEIR WORK WITH THE SCHEDULE, DRAWINGS AND OTHER TRADES AT THE SITE. ANY COSTS TO INSTALL WORK TO ACCOMPLISH SAID COORDINATION WHICH DIFFERS FROM THE WORK AS SHOWN ON THE DRAWINGS SHALL BE INCURRED BY THE CONTRACTOR. DISCREPANCIES, AMBIGUITIES OR CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE FACILITIES DEPARTMENT DURING BID TIME FOR CLARIFICATION. ANY SUCH CONFLICTS NOT CLARIFIED PRIOR TO BID SHALL BE SUBJECT TO THE INTERPRETATION OF THE FACILITIES DEPARTMENT AT NO ADDITIONAL COST TO THE OWNER.
- 5. FIELD VERIFY THE PROJECT AREA BEFORE BID AND CONSTRUCTION. INCLUDE ALL RESULTING COST IN THE BID. MAKE ADJUSTMENTS AS NECESSARY FOR FIELD CONDITIONS DURING THE INSTALLATION OF THE NEW NURSE CALL SYSTEM DEVICES.
- 6. THE CONTRACTOR SHALL PROVIDE AND KEEP UP-TO-DATE A COMPLETE RECORD SET OF DRAWINGS. THESE PRINTS SHALL BE CORRECTED DAILY AND SHOW EVERY CHANGE FROM THE ORIGINAL DRAWINGS. THIS SET OF DRAWINGS SHALL BE KEPT ON THE JOB SITE AND SHALL BE USED ONLY AS A RECORD SET. THIS SHALL NOT BE CONSTRUED AS AUTHORIZATION FOR THE CONTRACTOR TO MAKE CHANGES IN THE LAYOUT WITHOUT APPROVAL. UPON COMPLETION OF THE WORK, DRAWINGS SHALL BE USED TO GENERATE AN ACCURATE SET OF AS BUILT DRAWINGS FOR SUBMISSION TO THE OWNER.

# NURSE CALL NOTES

- 1. THE NURSE CALL SYSTEM SHALL CONFORM TO ARTICLE 517.123 OF THE CALIFORNIA ELECTRIC CODE (CEC).
- 2. PENETRATIONS THROUGH FIRE RATED WALLS AND FLOORS SHALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASSES.
- 3. A MINIMUM OF 48 HOURS NOTICE SHALL BE REQUIRED FOR ANY INSPECTION AND /OR TESTING.
- 4. ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE CODE OR RECOGNIZED STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF THE INSPECTOR OF RECORD.
- 5. THE INTENT OF THE DRAWINGS AND SPECIFICATIONS IS TO RECONSTRUCT THE HOSPITAL BUILDING IN ACCORDANCE WITH THE 2013 EDITION OF TITLE 24, CALIFORNIA CODE OF REGULATIONS. SHOULD ANY CONDITIONS DEVELOP NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH SAID, TITLE 24, CALIFORNIA CODE OF REGULATIONS, A CHANGE ORDER DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY OSHPD BEFORE PROCEEDING WITH THE WORK.
- 6. REFER TO THE ELECTRICAL DRAWING SHEETS FOR INFORMATION REGARDING ELECTRICAL POWER, NONSEGREGATED EMERGENCY CIRCUITS, PANEL SCHEDULES AND THE ELECTRICAL SINGLE LINE DIAGRAM. ELECTRICAL POWER SHALL BE PROVIDED TO THE NEW NURSE CALL SYSTEMS BY THE ELECTRICAL CONTRACTOR. NEW NURSE CALL SYSTEMS SHALL BE POWERED BY THE EMERGENCY CIRCUITS.
- 7. INSTALL NEW CABLE IN NEW CONDUIT STUB-UPs AND THEN OPEN ABOVE CEILING. NEW OPEN PLENUM CABLE SHALL BE SUPPORTED TO BUILDING STRUCTURE BY J-HOOKS. CABLE SHALL BE LISTED AS 300V TO MEET THE REQUIREMENTS OF ARTICLE 745 OF THE CEC FOR POWER LIMITED APPLICATIONS.
- 8. ALL PLENUM CABLE SHALL RUN PARALLEL OR AT RIGHT ANGLES TO THE BUILDING WALL STRUCTURE. DO NOT TIE CABLES TO POWER CABLES OR OTHER BUILDING SERVICES. INSTALL CABLE ON J-HOOK SUPPORTS AS SHOWN.
- 9. ALL CABLING, WIRING, AND TERMINAL BLOCKS SHALL BE CLEARLY LABELED WITH PERMANENT TAG OR WIRE MARKERS INDICATING FUNCTION, SOURCE OR DESTINATION OF THE CABLE OR TERMINATION. ALL CABLE SHALL BE LABELED AT BOTH ENDS.
- 10.NEW NURSE CALL EQUIPMENT SHALL BE INSTALLED IN NEW BACKBOXES. INSTALL THE PROPER SIZE BACKBOX PER CEC REQUIREMENTS. INSURE THAT CABLE FILL DOES NOT EXCEED EXISTING BOX CAPACITY PER CEC TABLE 370-16a. REFER TO THE SYMBOLS LEGEND FOR THE BACKBOX SCHEDULE.
- 11.ALL NEW STANDARD BACKBOXES, CONDUIT STUB-UPS, J-HOOKS, 120 VAC POWER AND ALL ELECTRICAL ROUGH-IN SHALL BE PROVIDED AND INSTALLED BY THE ELECTRICAL CONTRACTOR UNDER DIRECTION OF THE NURSE CALL CONTRACTOR. COORDINATE ROUGH-IN. MOUNTING OF CONTROL EQUIPMENT SHALL BE BY THE NURSE CALL CONTRACTOR. REFER TO THE STRUCTURAL MOUNTING DETAILS.
- 12.CORDS FOR TOILET PULLCORD STATIONS SHALL BE WITHIN 12 INCHES OF THE FINISHED FLOOR. REFER TO THE DETAILS SHEET FOR DETAILS.
- 13. THE CODE BLUE SHALL ANNUNCIATE AS THE HIGHEST PRIORITY AND SHALL COMPLY WITH CEC 517.123 (C). A UNIQUE VISUAL AND AUDIBLE INDICATION OF CODE BLUE SHALL BE GENERATED AT THE ATTENDING NURSES STATION AND THE 24-HOUR STAFFED PBX. CODE BLUE CALLS SHALL BE TRANSMITTED VIA THE THE EXISTING EASY CARE SYSTEM USING THE EXISTING RISER.

# ARCH TECT

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OSHPD #: S162093-37-00

GENERAL NOTES, LEGEND AND

ABBREVIATIONS

PROJECT TITLE:

TCMC EMERGENCY DEPARTMENT

PROJECT #: 01593.00 DRAWN BY:

As indicated

716 P2S No.

NOTES

LOCATION OF NEW 26"H x 26"W" 26"D WALL MOUNTED NURSE CALL TERMINAL CABINET (CPI MODEL# 13050-X13)

### SHEET NOTES

1. THIS PROJECT WILL BE CONSTRUCTED IN MULTIPLE PHASES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE THEIR WORK WITH THE ARCHITECTURAL PHASING PLANS AND ALL OTHER TRADES AND INSTALL IN SUCH A WAY THAT IT DOES NOT AFFECT THE ADJOINING OCCUPIED SPACES AND MEETS ALL OF THE REQUIREMENTS OF CONTRACT DOCUMENTS AND SPECIFICATIONS AS PART OF THE BASE BID.

# SEIR

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3 3	OSHPD COMMENTS	02/15/17
4 4	DESIGN CHANGES	02/15/17
<u></u>	OSHPD COMMENTS	08/11/17
66	DESIGN CHANGES	10/30/17



P2S Engineering, Inc. 9665 Chesapeake Dr., Suite #230 San Diego, CA 92123 T 619.618.2347 F 619.330.0668 www.p2seng.com

OSHPD #: S162093-37-00

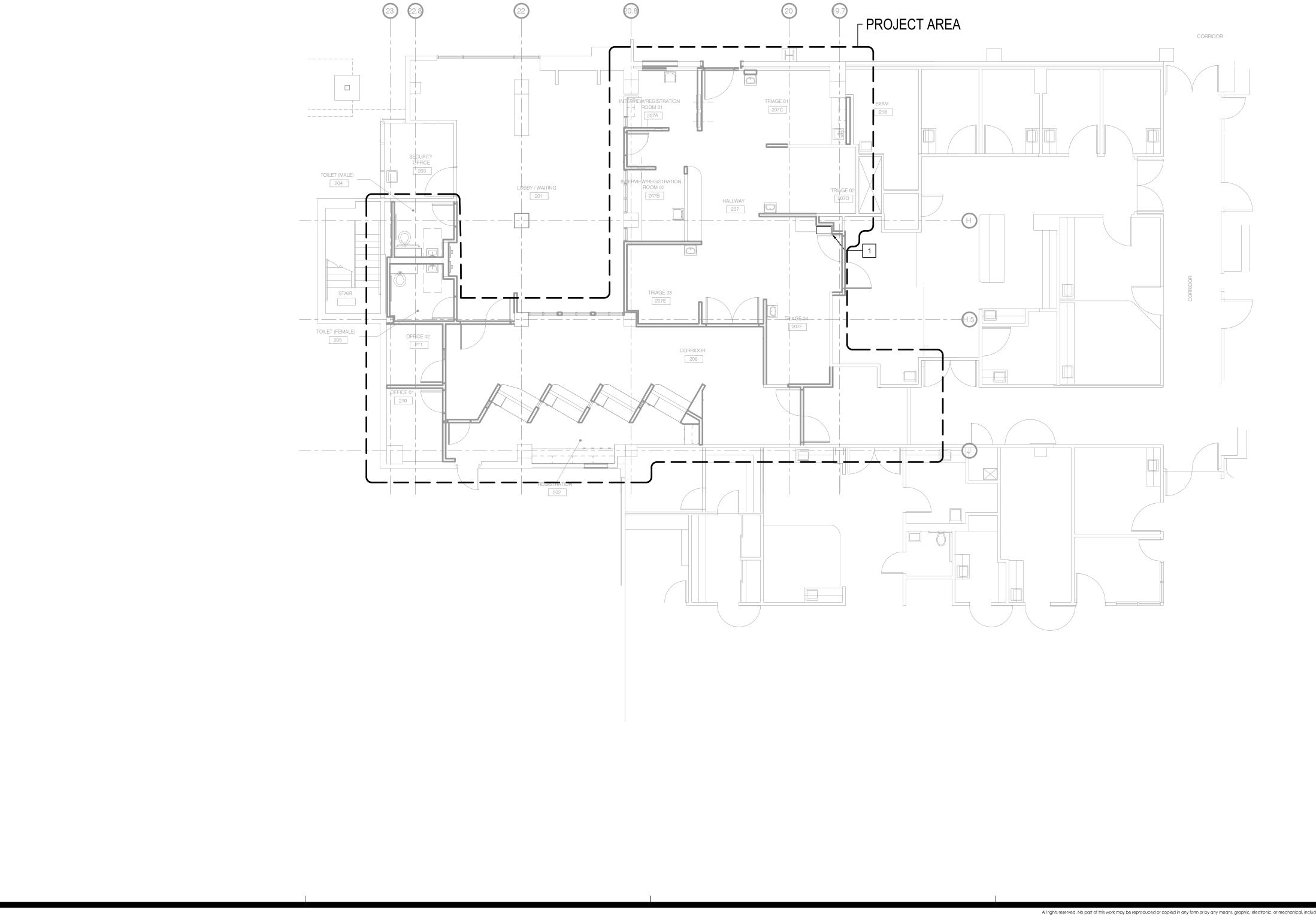
# PARTIAL FIRST FLOOR PLAN

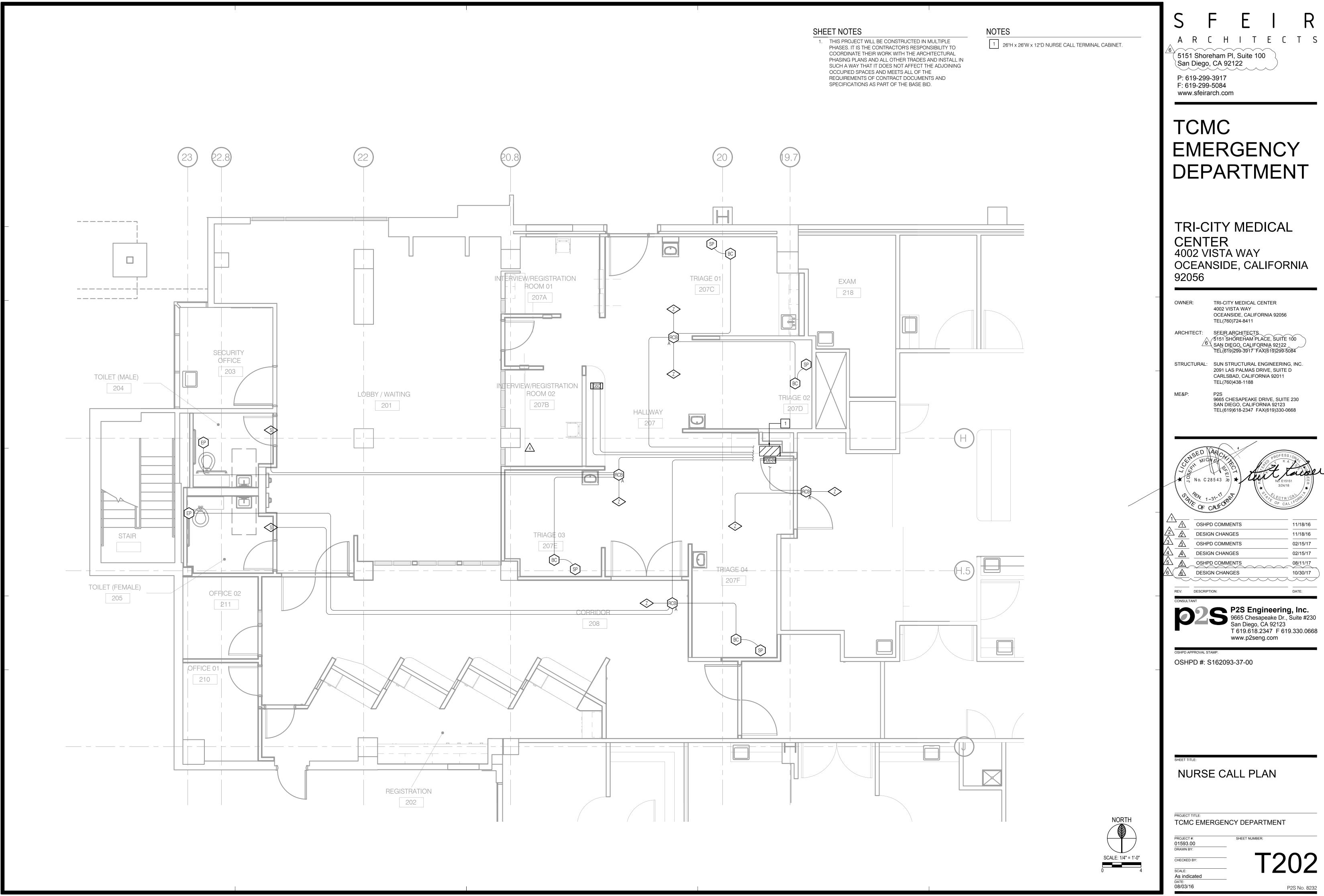
PROJECT TITLE:
TCMC EMERGENCY DEPARTMENT

PROJECT #: 01593.00 DRAWN BY:

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

T100





5151 Shoreham Pl, Suite 100

# **EMERGENCY** DEPARTMENT

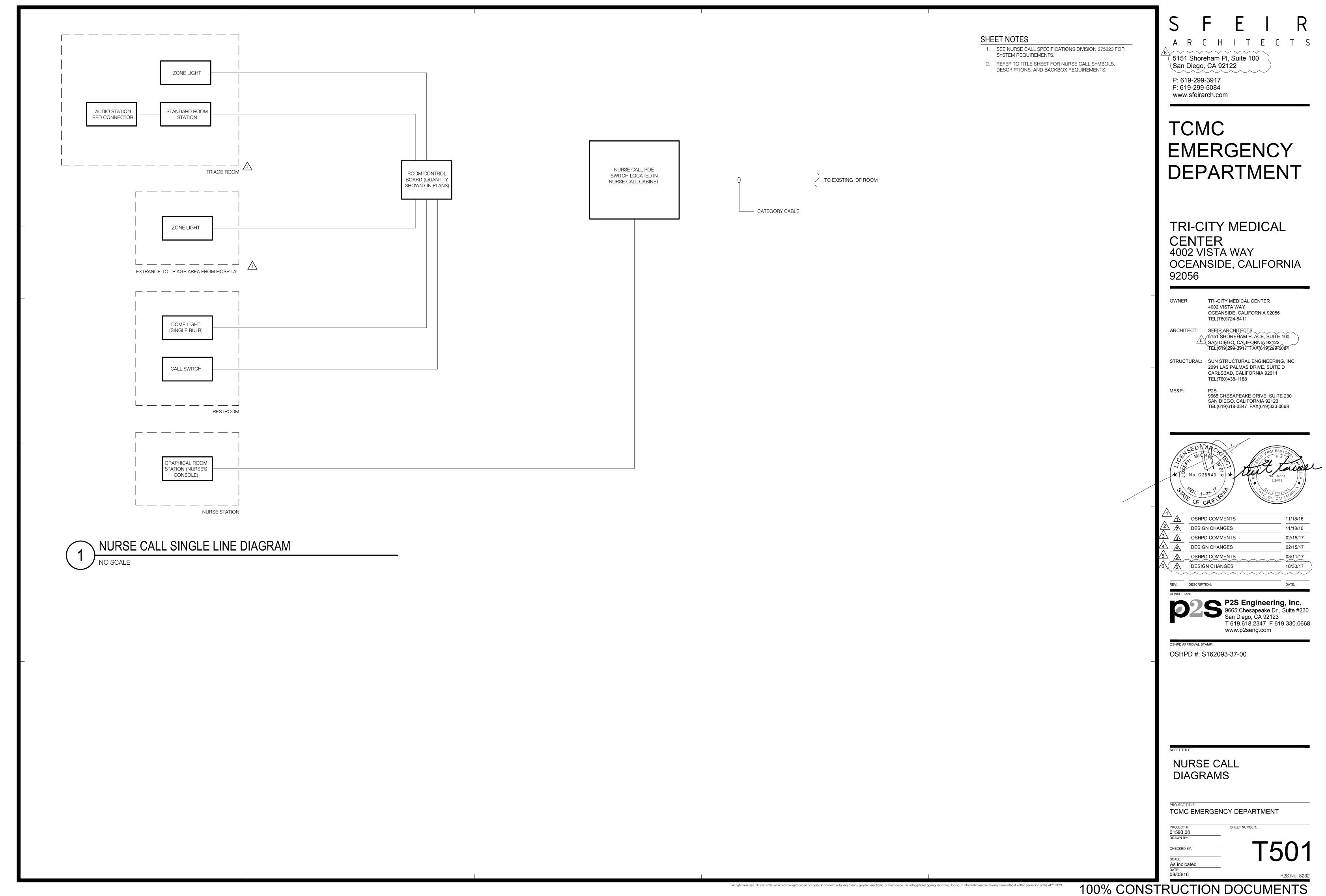
TRI-CITY MEDICAL CENTER 4002 VISTA WAY OCEANSIDE, CALIFORNIA

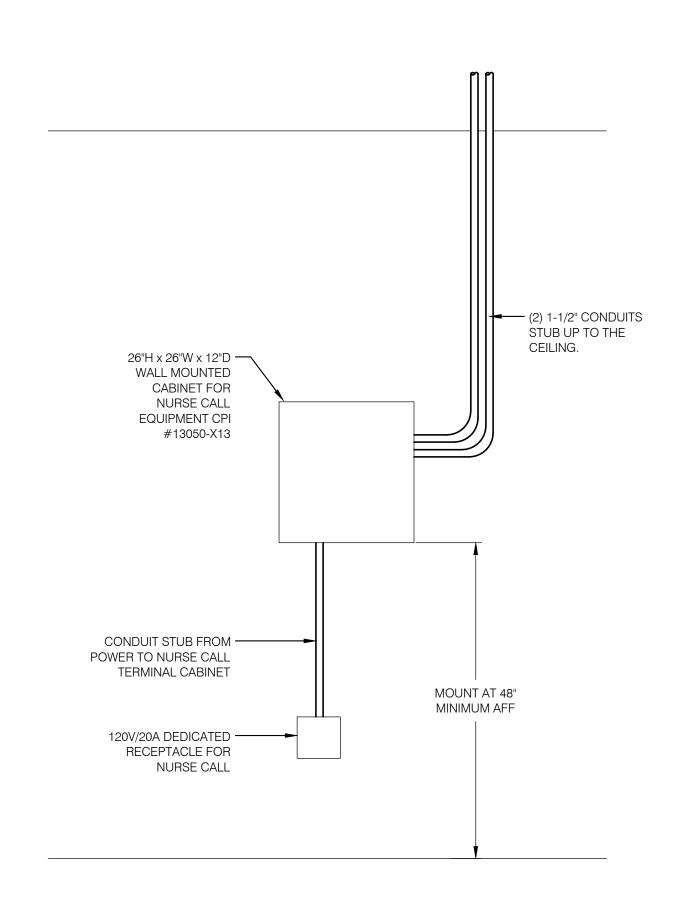
TRI-CITY MEDICAL CENTER 4002 VISTA WAY OCEANSIDE, CALIFORNIA 92056

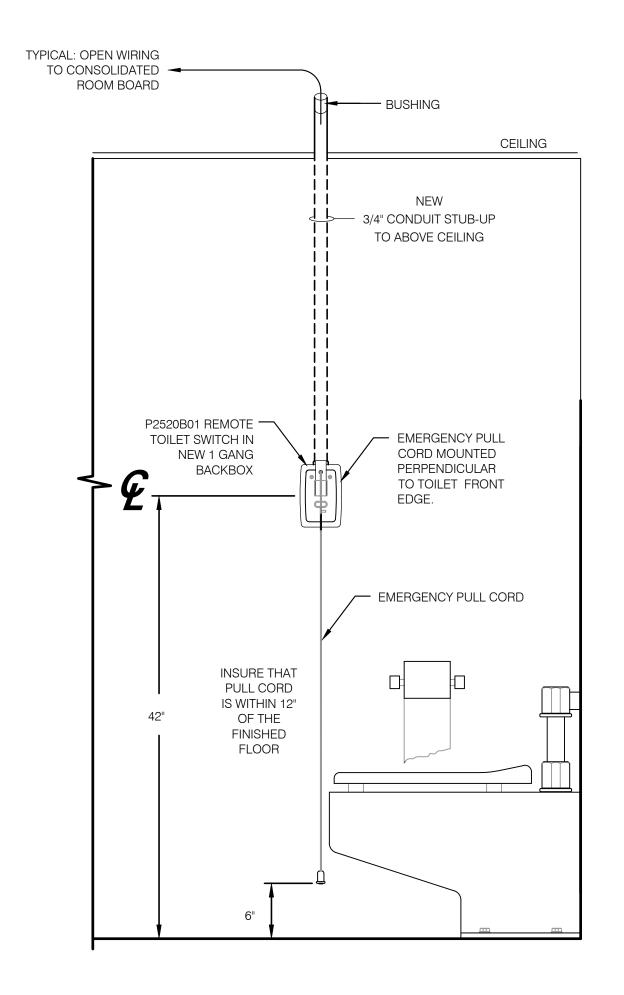
STRUCTURAL: SUN STRUCTURAL ENGINEERING, INC. 2091 LAS PALMAS DRIVE, SUITE D CARLSBAD, CALIFORNIA 92011



	OSHPD COMMENTS	11/18/16
$\frac{2}{2}$	DESIGN CHANGES	11/18/16
$\frac{\sqrt{3}}{\sqrt{3}}$	OSHPD COMMENTS	02/15/17
$\frac{4}{4}$	DESIGN CHANGES	02/15/17
<u>\( \frac{1}{5} \) \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ </u>	OSHPD COMMENTS	08/11/17
<u>6</u> 6	DESIGN CHANGES	10/30/17
		$\overline{\mathcal{I}}$







NURSE CALL CABINET WALL DETAIL

NO SCALE

TOILET EMERGENCY PULL CORD STATION

NO SCALE

SFEI

A R C H I T E C T S

5151 Shoreham PI, Suite 100
San Diego, CA 92122

P: 619-299-3917
F: 619-299-5084
www.sfeirarch.com

# TCMC EMERGENCY DEPARTMENT

TRI-CITY MEDICAL
CENTER
4002 VISTA WAY
OCEANSIDE, CALIFORNIA
92056

OWNER: TRI-CITY MEDICAL CENTER
4002 VISTA WAY
OCEANSIDE, CALIFORNIA 92056
TEL(760)724-8411

ARCHITECT: SFEIR ARCHITECTS

5151 SHOREHAM PLACE, SUITE 100

SAN DIEGO, CALIFORNIA 92122
TEL(619)299-3917 FAX(619)299-5084

STRUCTURAL: SUN STRUCTURAL ENGINEERING, INC. 2091 LAS PALMAS DRIVE, SUITE D

CARLSBAD, CALIFORNIA 92011 TEL(760)438-1188

%P: P2S
 9665 CHESAPEAKE DRIVE, SUITE 230
 SAN DIEGO, CALIFORNIA 92123
 TEL(619)618-2347 FAX(619)330-0668

No. C 285 43 70 No. C 285 40 No. C 285 4

	OF CALI	
	OSHPD COMMENTS	11/18/16
$\frac{\cancel{2}}{\cancel{\wedge}}$	DESIGN CHANGES	11/18/16
$\frac{\sqrt{3}}{\sqrt{3}}$	OSHPD COMMENTS	02/15/17
4 4	DESIGN CHANGES	02/15/17
<u>/5</u>	OSHPD COMMENTS	08/11/17
<u>/6\(6\</u>	DESIGN CHANGES	10/30/17
BEV:	DESCRIPTION:	DATE:



P2S Engineering, Inc. 9665 Chesapeake Dr., Suite #230 San Diego, CA 92123 T 619.618.2347 F 619.330.0668 www.p2seng.com

OSHPD #: S162093-37-00

NURSE CALL DETAILS

TCMC EMERGENCY DEPARTMENT

O1593.00
DRAWN BY:
CHECKED BY:
SCALE:
As indicated

T601

10/27/2017

(RESPONSE DELAY MAY DELAY PROJECT)

DATE:



2017-TCMC\_EDT-RFI002

FROM:	Good-Men Roofing & Construction, Inc 3940 Handcock St., Suite 220 San Diego, CA 92110 Phone: (760) 468-0905 Fax: 760-940-3435	Project: TCMC Emerg. Dept. Triage Tri-City Medical Center 4002 Vista Way Oceanside, CA 92056
TO:	Chris Miechowski Director of Facilities Tricity medical Center Oceanside, CA 92046 760-940-7709 miechowskici@tcmc.com	DRAWING(S): Gen Spec
DAT	A ABOUT: Nurse Call	IS REQUIRED 10/31/2017
contract	eral spec states that contractor is to furnish and instor for this?  d Solution: onfirm.	all the nurse call system. Is there a preferred
Autho		Date:
	RESPON	SE
	Westcom.	

10/27/2017

(RESPONSE DELAY MAY DELAY PROJECT)

DATE:



2017-TCMC\_EDT-RFI002

FROM:	Good-Men Roofing & Construction, Inc 3940 Handcock St., Suite 220 San Diego, CA 92110 Phone: (760) 468-0905 Fax: 760-940-3435	Project: TCMC Emerg. Dept. Triage Tri-City Medical Center 4002 Vista Way Oceanside, CA 92056	
то:	Chris Miechowski Director of Facilities Tricity medical Center Oceanside, CA 92046 760-940-7709 miechowskici@tcmc.com	DRAWING(S):	
DAT	A ABOUT: Security Systems	IS REQUIRED 10/31/2017	
systems	or only data/telecom systems?	ipment. Is the contractor responsible for security	
Autho	or:	Date:	
	RESP	ONSE	
Refer to Electrical Drawings for Card Access location.  Refer to revised RCP Delta 6 dated 10/30/17 showing existing CCTV devices to be relocated.			
Autho	r: Joseph Sfeir, Sfeir Architects, Inc.	Date: 10/31/17	
	Attached Files:	y with your response)	

10/27/2017

(RESPONSE DELAY MAY DELAY PROJECT)

DATE:



2017-TCMC\_EDT-RFI003

FROM:	3940 Hand San Diego,	0) 468-0905	Tri-City 4002 V	Emerg. Dept. Triage / Medical Center /ista Way side, CA 92056
то:	Chris Miech Director of Tricity med	Facilities	DRAWING(S): Gen Sp	ec
	Oceanside, <u>760-940-77</u>	CA 92046		
DAT	A ABOUT:	Signage Plan	IS REQUIRED	10/31/2017
Proposed Please cla			D.	nto.
7.00110	-			ate:
		RESPONS	SE	
		ed approval. GC to provide Designage specifications in the Project		ction. Also refer to
Autho	r:Joseph S	Sfeir, Sfeir Architects, Inc (Please return one copy wit		te: _10/31/17
	Attached Files:			

10/27/2017

(RESPONSE DELAY MAY DELAY PROJECT)

DATE:



2017-TCMC\_EDT-RFI004

FROM:	Good-Men Roofing & Construction, Inc 3940 Handcock St., Suite 220 San Diego, CA 92110 Phone: (760) 468-0905 Fax: 760-940-3435	Project: TCMC Emerg. Dept. Triage Tri-City Medical Center 4002 Vista Way Oceanside, CA 92056
TO:	Chris Miechowski Director of Facilities	DRAWING(S): Gen Spec
	Tricity medical Center	
	Oceanside, CA 92046	
	760-940-7709 miechowskici@tcmc.com	
	mechowskicj@tcmc.com	
DATA	A ABOUT: Existing HVAC Airflow	IS REQUIRED 10/31/2017
Per the Ge available? Proposed Please co	? I Solution:	ng & Rebalance. Is the current system information
Author	r:	
	RESP	ONSE
TC	MC to provide As-Build.	
Author	. Joseph Sfeir, Sfeir Architects, Inc.	Date: 10/31/17
	(Please return one cop	y with your response)



Date: October 25, 2017

To: Mr. Chris Miechowski - Tri-City Health Care District - miechowskicj@tcmc.com

From: Marv Blau - Kitchell Contractors Inc. - mblau@kitchell.com

Re: Tri City ED Triage Renovation - RFI #11 thru #17

Please address the following requests for information.

11. Sheet A4-41/12, Triage 02-West elevation, it appears that all glass panels are to be #21 - ¼" clear fire rated glass, firelite premium. There is a horizontal line across three of the glass panels located at the 8'-5" elevation mark. Does this horizontal line represent a change in glass or anything else?

Sfeir Architects Response: Horizontal line is removed.

12. Sheet A4-41, Triage 02-West elevation, notes #3 and #9 below the countertop. Should these notes be reversed?

Sfeir Architects Response: Yes, correction is made.

13. Sheet ID-1 room 207B Interview/Registration Room 02 has a counter top located on the west wall, countertop is labeled SV-1. Should this countertop be labeled SS-1?

Sfeir Architects Response: Yes, correction is made.

14. Sheet A5-80/10 notes a 3"x3"x1/2" steel angle bracket under the counter. Is the 1/2" dimension correct? Or should it be 1/4" or 3/16"?

Sfeir Architects Response: 1/2" is Correct.

15. Sheet A4-41/14 notes a base cabinet and upper cabinet note #1. It appears that there is a base cabinet at the sink location, but how about the area to the left of the sink? Is there a base cabinet from corner to corner under the solid surface top? Or just at the sink only? If there is a base cabinet to the left of the sink, does it have doors/drawers/shelving?

Sfeir Architects Response: There is no base cabinet, wall to wall. There is just a panel supporting the corner.

16. Sheet A4-43/1 notes a new solid surface counter top, note #32, behind the water closet. Is detail 15 on Sheet A5-80 the appropriate detail for typical counter tops behind and wall framing behind water closets?

Sfeir Architects Response: Yes, note added to Elevation.

17. Sheet A4-41/1 Office 02 North wall notes New Upper Cabinets note #2. The elevations and floor plan do not reflect the size of wall cabinets desired. Please clarify.

Sfeir Architects Response: Note 2 has been deleted.

Thank you for taking the time to address these questions.

### **Kitchell Contractors**



Date: October 31, 2017

To: Mr. Mike Miechowski - Tri-City Health Care District - miechowskicj@tcmc.com

From: Marv Blau - Kitchell Contractors Inc. - mblau@kitchell.com

Re: Tri City ED Triage Renovation - RFI #18 thru #21

Please address the following requests for information.

18. Sheet A4-41/1 & 2 note #2 new upper cabinets, but neither the elevations nor floor plan show the layout/composition of the new wall cabinets. Please clarify.

Sfeir Architects Response: Note 2 Deleted.

20. Sheet A4-40/1 & 2 note #6 new solid surface counter top. ID-1 notes SS-2 Granite tops. A5-81/5 notes fire rated stone counter. Please clarify.

Sfeir Architects Response: Countertop shown in elevation 1 & 2 on A5-81 shall be granite.

21. Sheet ID-3 Toilets 276 flooring is noted as SV-1 Sheet Vinyl. Is this correct or should it be PT-1 Porcelain Tile flooring?

Sfeir Architects Response: Delete SV-1 and add PT-1.

Thank you for taking the time to address these questions.