TCMC PHARMACY USP 800 UPGRADE

TRI-CITY MEDICAL CENTER

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OSHPD PROJECT NUMBER: S171641-37-00

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ABBREVIATIONS: HORIZ ACOUSTICAL CEILING TILE HORIZONTAL ALUMINUM INSIDE DIAMETER AI TERNATE INSUL INSULATION ACCESS PANEL INTERIOR ARCH ARCHITECT JANITOR BOARD LAMINATE **BUILDING** LONG LEG HORIZONTAL BLDG BLK'G BLOCKING LONG LEG VERTICAL BFAM LGT WGT LIGHT WEIGHT BOT BOTTOM MAXIMUM CAB CABINET MECH MECHANICAL CAR CARPET MINIMUM CEM CEMENT MISCELLANEOUS CERAMIC TILI NOT IN CONTRACT CEILING NUMBER CLR NOT TO SCALE CLEAR CTR COUNTER NOT RATED COL ON CENTER COLUMN CONSTRUCTION OUTSIDE DIAMETER CONT CONTINUOUS OPNG OPFNING CORR CORRIDOR **OPPOSITE** PLATE / PROPERTY LINE DOUBLE DBL DEPT DEPARTMENT PLASTIC LAMINATE DRINKING FOUNTAIN PLWD PLYWOOD DIA DIAMFTER POLISHED POL DIM DIMENSION PAIR DISP DISPENSER PRESSURE TREATED DOWN PAINTED DRAIN QUANTITY DETAIL RADIUS DWG DRAWING ROOF DRAIN DWR DRAWER REFERENCE FΑ FACH REINF REINFORCING EXPANSION JOIN **FLECTRICAL** ROUGH OPENING **ENCLOSURE** ENCL RUBBFR SOLID CORE EQUAL EACH WAY **SCHED** SCHEDULE FLECT WATER COOLER EWO SHR SHOWER **EXISTING** SHEET EXG EXISTING TO REMAIN SIMII AR **EXTERIOR** SHEET METAL SCREW FLOOR DRAIN SPEC **SPECIFICATIONS** FIRE EXTINGUISHER CAB. FEC SQUARE FHC FIRE HOSE CABINET ST STL STAINLESS STEEL FIN FINISH STD STANDARD FIXT FIXTURE STOR STORAGE FLR FLOOR STEEL FEET STRUCT STRUCTURE FURR FURRING SUSP **SUSPENDED** FIELD VERIEY TELE **TELEPHONE** FŘONŤ OF FÍNISH **TEMPORARY** TEMP GAUGE THICK GAI V GAI VANI7FD TYP TYPICAL GRAB BAR UON UNLESS OTHERWISE NOTED GLASS VINYL COMPOSITE TILE GYP GYPSUM VERT VERTICAL HDR HEADER VEST **VESTIBULE** HDWD HARDWOOL WITH HDWR HARDWARE WOOD HGT HEIGHT WITHOU' INTERIM LIFE SAFETY MEASURES 1. ALL EXIT DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT. PANIC HARDWARE AT EXITS SHALL BE PROVIDED AS REQUIRED BY THE CODE. 2. PRIOR TO THE START OF WORK CONSULT WITH FIELD FIRE MARSHAL ON AN ACCEPTABLE EXITING ARRANGEMENT. A FIRE WATCH MAY BE REQUIRED AT THE DISCRETION OF THE FIRE MARSHAL. INTERIM LIFE SAFETY MEASURES ARE REQUIRED TO TEMPORARILY COMPENSATE FOR THE DEFICIENCIES IN NORMAL LIFE SAFETY REQUIREMENTS DUE TO THE ACTIVITIES AND SHALLMEET THE REQUIREMENTS OF OSHPD CAN 9-3301. 3. ENSURE THAT THE EXITS PROVIDE FREE AND UNOBSTRUCTED EGRESS. PERSONNEL SHALL RECEIVE TRAINING IF ALTERNATE EXITS MUST BE DESIGNATED. AREAS UNDER CONSTRUCTION MUST MAINTAIN ESCAPE FACILITIES FOR CONSTRUCTION WORKERS AT ALL TIMES. MEANS OF EGRESS MUST BE INSPECTED DAILY. 4. ENSURE THAT FIRE ALARM, DETECTION & SUPPRESSION SYSTEMS ARE NOT IMPAIRED. ENSURE THAT TEMPORARY CONSTRUCTION PARTITIONS ARE SMOKE TIGHT AND CONSTRUCTED OF NON-COMBUSTIBLE MATERIALS. PROVIDE ADDITIONAL FIRE FIGHTING EQUIPMENT AND TRAIN PERSONNEL IN ITS USE. SYMBOL LEGEND: SHEET NUMBER NORTH NORTH NORTH ARROW **+100.00 ELEVATION ELEVATION IN PLAN** WINDOW/FRAME NUMBER DRAWING KEYNOTE (054) **EQUIPMENT NUMBER**

WALL TYPE

\A1-01/

\A4-40/

TOILET ACCESSORY

DETAIL IN PLAN

DETAIL IN SECTION

BUILDING SECTION

WALL SECTION

SEISMIC BRACING SEISMIC BRACING - CBC 2016 CHAPTER 16A/ASCE 7-10 HVAC DUCTWORK, PLUMBING/ PIPING AND CONDUIT SYSTEMS. 2. ALL PIPES, DUCTS AND CONDUIT SHALL BE BRACED TO RESIST THE FORCES PRESCRIBED IN 2016 CBC CHAPTER 16A/ASCE 7-10. DUCTWORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH PROVISIONS CONTAINED IN PART 4, TITLE 24, CALIFORNIA MECHANICAL CODE. WHERE POSSIBLE, PIPES, CONDUIT, AND THEIR CONNECTIONS SHALL BE CONSTRUCTED OF DUCTILE MATERIALS (COPPER, DUCTILE IRON, STEEL OR ALUMINUM AND BRAZED, WELDED OR SCREWED CONNECTIONS). PIPES, CONDUITS AND THEIR CONNECTIONS, CONSTRUCTED OF NONDUCTILE MATERIALS (E.G., CAST IRON, NO-HUB PIPE

DUCTILE MATERIALS.

- · SEISMIC SUPPORTS ARE NOT REUIRED FOR HVAC DUCTWORK WITH I = 1.0 IF EITHER OF THE FOLLOWING CONDITIONS IS MET FOR THE FULL LENGTH OF EACH DUCT RUN:
 - A. HVAC DUCTS ARE SUSPENDED FROM HANGERS 12 IN. (305 MM) OR LESS IN LENGTH. THE HANGERS SHALL BE DETAILED TO AVOID SIGNIFICANT BENDING OF THE HANGERS AND THEIR ATTACHMENTS

AND PLASTIC), SHALL HAVE THE BRACE SPACING REDUCED TO SATISFY REQUIREMENTS OF

ASCE 7-10 CHAPTER 13 AND NOT TO EXCEED ONE-HALF OF THE SPACING ALLOWED FOR

B. HVAC DUCTS HAVE A CROSS-SECTIONAL ARE OF LESS THAN 6 FT (0.557 M). HVAC DUCT SYSTEMS FABRICATED AND INSTALLED IN ACCORDANCE WITH STANDARDS APPROVED BY THE AUTHORITY HAVING JURISDICTION SHALL BE DEEMED TO MEET THE

COMPONENTS THAT ARE INSTALED IN-LINE WITH THE DUCT SYSTEM AND HAVE AN OPERATING WEIGHT GREATER THAN 75 LB. (334N), SUCH AS FANS, HEAT EXCHANGERS. AND HUMIDIFIERS, SHALL BE SUPPORTED AND LATERALLY BRACED INDEPENDENT OF THE DUCT SYSTEM AND SUCH BRACES SHALL MEET THE FORCE REQUIREMENTS OF SECTION 13.3.1. APPURTENANCES SUCH AS DAMPERS, LOUVERS, AND DIFFUSERS SHALL BE POSITIVELY ATTACHED WITH MECHANICAL FASTENERS. UNBRACED PIPING ATTACHED TO IN-LINE EQUIPMENT SHALL BE PROVIDED WITH ADEQUATE FLEXIBILITY TO ACCOMMODATE DIFFERENTIAL DISPLACEMENTS.

LATERAL BRACING REQUIREMENTS OF THIS SECTIONS.

PIPING SYSTEMS SHALL SATISFY THE REQUIREMENTS OF THIS SECTION EXCEPT THAT ELEVATOR SYSTEM PIPING SHALL SATISFY THE REQUIREMENTS OF SECTION 13.6.10.

EXCEPT FOR PIPING DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH NFPA 13, SEISMIC SUPPORTS SHALL NOT BE REQUIRED FOR OTHER PIPING SYSTEMS WHERE ONE OF THE FOLLOWING CONDITIONS IS MET:

- 1. PIPING IS SUPPORTED BY ROD HANGERS: HANGERS IN THE PIPE RUN ARE 12 IN. (305 MM) OR LESS IN LENGTH FROM THE TOP OF THE PIPE TO THE SUPPORTING STRUCTURE; HANGERS ARE DETAILED TO AVOID BENDING OF THE HANGERS AND THEIR ATTACHMENTS; AND PROVISIONS ARE MADE FOR PIPING TO ACCOMMODATE EXPECTED DEFLECTIONS.
- 2. HIGH-DEFORMABILITY PIPING IS USED; PROVISIONS ARE MADE TO AVOID IMPACT WITH LARGER PIPING OR MECHANICAL COMPONENTS OR TO PROTECT THE PIPING IN THE EVENT OF SUCH IMPACT; AND THE FOLLOWING SIZE REQUIREMENTS ARE
- A. FOR SEISMIC DESIGN CATEGORIES D, E, OR F WHERE I IS GREATER THAN 1.0, THE NOMINAL PIPE SIZE SHALL BE 1 IN. (25 MM) OR LESS.
- B. FOR SEISMIC DESIGN CATEGORY C, WHERE I_D IS GREATER THAN 1.0, THE NOMINAL PIPE SIZE SHALL BE 2 IN. (51 MM) OR LESS.
- C. FOR SEISMIC DESIGN CATEGORIES D,E, OR F WHERE I IS EQUAL TO 1.0, THE NOMINAL PIPE SIZE SHALL BE 3 IN. (76 MM) OR LESS.
- . WHERE LATERAL RESTRAINTS ARE OMITTED, THE PIPING, DUCTS OR CONDUIT SHALL BE INSTALLED SUCH THAT LATERAL MOTION OF THE PIPING OR DUCT WILL NOT CAUSE DAMAGING IMPACT WITH OTHER SYSTEMS OR STRUCTURAL MEMBERS, OR LOSS OF
- ALL TRAPEZE ASSEMBLIES SUPPORTING PIPES, DUCTS AND CONDUIT SHALL BE BRACED TO RESIST THE FORCES OF CHAPTER 16A/ASCE 7, CONSIDERING THE TOTAL WEIGHT OF THE ELEMENTS ON THE TRAPEZE
- 6. PIPES, DUCTS AND CONDUIT SUPPORTED BY A TRAPEZE WHERE NONE OF THOSE ELEMENTS WOULD INDIVIDUALLY BE BRACED NEED NOT BE BRACED IF CONNECTIONS TO THE PIPE/CONDUIT/DUCTWORK OR DIRECTIONAL CHANGES DO NOT RESTRICT THE MOVEMENT OF THE TRAPEZE. IF THIS FLEXIBILITY IS NOT PROVIDED. BRACING WILL BE REQUIRED WHEN THE AGGREGATE WEIGHT OF THE PIPES AND CONDUIT EXCEEDS 10 POUNDS/ FEET (146 N/m). THE WEIGHT SHALL BE DETERMINED ASSUMING ALL PIPES AND CONDUIT ARE FILLED WITH WATER.
- '. EQUIPMENT SUPPORTS AND ATTACHMENTS

SUPPORTS AND ATTACHMENTS OF ALL EQUIPMENT TO BE INSTALLED AS PART OF THIS PROJECT SHALL BE DETAILED ON CONSTRUCTION DOCUMENTS, EXCEPT THOSE EXEMPT BY THE 2016 CBC SECTION 1616A.1.18

EQUIPMENT SUPPORTS AND ATTACHMENTS SHALL BE APPROVED BY THE APPROPRIATE DESIGN PROFESSIONAL OF RECORD (RDP) AND OSHPD AS PART OF FIELD REVIEWS/OBSERVATIONS. THE INSPECTOR OR RECORD (IOR) SHALL ASSURE THAT THE ABOVE REQUIREMENTS ARE ENFORCED.

REFERENCE: 2016 CBC SECTIONS 107 AND 1616A.

SEISMICALLY RESTRAIN ALL SUSPENDED UTILITY SYSTEMS IN CONFORMANCE WITH REQUIREMENTS OF THE 2016 CALIFORNIA BUILDING CODE, CHAPTER 16A/ASCE 7-10. AS THE BASIS FOR THE RESTRAINT REQUIREMENTS, CALCULATE AND SUBMIT TOTAL DESIGN LATERAL FORCE(S) SPECIFIC TO THE PROJECT PER OSHPD REQUIREMENTS OF THE CBC AND ASCE 7-10 SECTION 13.5.6. PROVIDE SEISMIC RESTRAINT BRACKETS PER ICBO EVALUATION SERVICES REPORT #PFC 5566, STYLES RCHW, ABHW, RCC, ABF, AB45. NO SUBSTITUTIONS ALLOWED.

TYPICAL PRE-APPROVED SYSTEMS INCLUDED THE FOLLOWING:

OPM-0043-13 MASON INDUSTRIES, INC. SEISMIC RESTRAINT GUIDELINES FOR

SUSPENDED DISTRIBUTION SYSTEMS.

REFERENCE: 2016 CAC SECTIONS 7-115, 7-126, AND CBC 2016 SECTION 107.

PRE-APPROVED PIPES, DUCTS, AND CONDUITS BRACING

- A. LAYOUT DRAWINGS OF THE SUPPORTS AND BRACING SYSTEMS IN ACCORDANCE WITH THE PRE-APPROVAL SHALL BE SUBMITTED TO THE REGISTERED DESIGN PROFESSIONAL (RDP) IN RESPONSIBLE CHARGE OF THE PROJECT FOR REVIEW TO VERIFY THAT THE DETAILS ARE IN CONFORMANCE WITH ALL CODE REQUIREMENTS. THE LAYOUT DRAWINGS SHALL AS A MINIMUM SATISFY THE REQUIREMENTS OF ASCE SECTION 13.6 AS MODIFIED BY THE CBC 2016 SECTION 1616A.
 - a) THE STRUCTURAL ENGINEER OF RECORD (SEOR) SHALL VERIFY THAT THE SUPPORTING STRUCTURE IS ADEQUATE FOR THE LOADS IMPOSED ON IT BY THE SUPPORTS AND BRACES INSTALLED IN ACCORDANCE WITH THE PRE-APPROVAL
 - IN ADDITION TO ALL OTHER LOADS. b) THE SEOR SHALL FORWARD THE ANCHORAGE AND BRACING DRAWINGS (INCLUDING APPROVED CHANGE ORDERS FOR SUPPLEMENTARY FRAMING WHERE REQUIRED) TO THE DISCIPLINE IN RESPONSIBLE CHARGE WITH A NOTATION INDICATING THAT THE DRAWINGS HAVE BEEN REVIEWED AND ARE IN GENERAL CONFORMANCE WITH THE PRE-APPROVAL AND THE DESIGN OF THE PROJECT. c) A "SHOP DRAWING STAMP" MAY BE USED TO INDICATE COMPLIANCE WITH THIS
 - REQUIREMENT. d) THE REGISTERED DESIGN PROFESSIONAL (OTHER THAN SEOR) MAY PROVIDE SHOP DRAWING STAMP FOR SMALL PROJÈCTS AT THE DISCRÉTION OF THE DISTRICT STRUCTURAL ENGINEER.
- B. THE SEOR SHALL DESIGN ANY SUPPLEMENTARY FRAMING THAT IS NEEDED TO RESIST THE LOADS, MAINTAIN STABILITY AND/OR IS REQUIRED FOR INSTALLATION OF THE PRE-APPROVED SYSTEM. a) THE SUPPLEMENTARY FRAMING SHALL BE SUBMITTED TO OSHPD AS A CHANGE
- C. THE LAYOUT DRAWINGS (WITH THE SHOP DRAWING STAMP) SHALL BE SUBMITTED TO
- 1) STRUCTURE SUPPORTING THE DISTRIBUTION SYSTEM HAS ADEQUATE CAPACITY. 2) SEISMIC DESIGN FORCES (FP) ARE IN ACCORDANCE WITH CBC 2016, AND 3) VERIFY THAT SUBMITTAL IS WITHIN THE SCOPE OF OSHPD PRE-APPROVAL OF
- MANUFACTURER'S CERTIFICATION (OPM): a. SIZE OF DISTRIBUTION SYSTEM COMPONENTS. b. SPACING OF BRACING AND FLEX JOINTS, AND c. SUBSTRATE FOR ATTACHMENTS.

OSHPD TO REVIEW:

D. THE LAYOUT DRAWINGS (WITH THE SHOP DRAWINGS STAMP) SHALL BE KEPT ON THE JOBSITE AND CAN THEM BE USED FOR INSTALLATION OF THE SUPPORT AND BRACING. a) OSHPD FIELD STAFF WILL REVIEW THE INSTALLATION.

- E. A COPY OF THE CHOSEN BRACING SYSTEM(S) INSTALLATION GUIDE/OPM MANUAL SHALL BE ON THE JOBSITE PRIOR TO STARTING THE INSTALLATION OF HANGERS AND/OR BRACES
- a) IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN COPIES OF OPM AND FURNISH THE IOR WITH ONE COPY OF EACH.
- F. COMPONENTS OF TWO OR MORE PRE-APPROVED BRACING SYSTEMS SHALL NOT BE
- a) ONLY ONE PRE-APPROVED BRACING SYSTEM MAY BE USED FOR A RUN OF PIPE, DUCT OR CONDUIT. b) ANY SUBSTITUTION OF COMPONENT OF A PRE-APPROVED BRACING SYSTEM SHALL REQUIRE OSHPD REVIEW AND APPROVAL.
- REFERENCE: 2016 CAC SECTIONS 7-115, 7-126, 7-153, AND CBC 2016 SECTION 107.

REQUIREMENTS FOR ACCESSIBILITY

- IN ADDITION TO ALL LOCAL REQUIREMENTS AND THE AMERICANS WITH DISABILITIES ACT (ADA), ACCESSIBLE FEATURES SHALL COMPLY WITH THE STATE OF CALIFORNIA ADMINISTRATIVE CODE OF REGULATIONS, BUILDING CODE, TITLE 24, PART 2.
- DURING ALL HOURS THE BUILDING IS OPEN TO THE PUBLIC, ALL PRIMARY ENTRANCES TO THE BUILDING. THE PRIMARY PATH OF TRAVEL FROM THE ENTRANCES TO ALL PORTIONS OF THE BUILDING INCLUDING SANITARY FACILITIES, DRINKING FOUNTAINS AND PUBLIC TELEPHONES SERVING THE BUILDING MUST BE ACCESSIBLE TO THE
- ALL BUILDING ENTRANCES SHALL BE IDENTIFIED WITH AT LEAST ONE STANDARD SIGN AND WITH ADDITIONAL DIRECTIONAL SIGNS, AS REQUIRED, TO BE VISIBLE TO PERSONS ALONG APPROACHING PEDESTRIAN WAYS.
- HAND-ACTIVATED DOOR OPENING HARDWARE SHALL BE 34" MIN. AND 44 INCHES MAX. ABOVE THE FINISH FLOOR OR GROUND. LATCHING AND LOCKING DOORS THAT ARE HAND-ACTIVATED AND WHICH ARE IN A PATH OF TRAVEL SHALL BE OPERABLE WITH A SINGLE EFFORT BY LEVER-TYPE HARDWARE, PANIC BARS, PUSH-PULL ACTIVATING BARS OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP THE OPENING HARDWARE. LOCKED EXIT DOORS SHALL OPERATE AS ABOVE IN EGRESS DIRECTION. (CBC SECTION 11B-404.2.7)
- MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED 5 POUNDS FOR EXTERIOR 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 OR FOLDING DOORS. COMPENSATING DEVICES OR AUTOMATIC DOOR OPERATORS MAY BE UTILIZED TO MEET THE ABOVE STANDARDS. WHEN FIRE DOORS ARE REQUIRED. THE MAXIMUM EFFORT TO OPERATE THE DOOR MAY BE INCREASED TO THE MINIMUM ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY, NOT TO EXCEED 15 POUNDS. (CBC SECTION 11B-404.2.9)
- THE BOTTOM 10 INCHES OF ALL DOORS EXCEPT AUTOMATIC AND SLIDING SHALL HAVE A SMOOTH. UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION. WHERE NARROW FRAME DOORS ARE USED, A 10-INCH HIGH SMOOTH PANEL SHALL BE INSTALLED ON THE PUSH SIDE OF THE DOOR, WHICH WILL ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION. (CBC SECTION 11b-404.2.10)
- FOR HINGED DOORS, THE OPENING WIDTH SHALL BE MEASURED WITH THE DOOR POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION. AT LEAST ONE OF A PAIR OF DOORS SHALL MEET THIS OPENING WIDTH REQUIREMENT. (CBC SECTION 11B-404.2.2 & 11B-404.2.3)
- MANUALLY OPERATED EDGE OR SURFACE MOUNTED FLUSH BOLTS ARE NOT ALLOWED. WHEN EXIT DOORS ARE USED IN PAIRS AND APPROVED FLUSH BOLTS ARE USED. THE DOOR LEAF HAVING THE AUTOMATIC FLUSH BOLTS SHALL HAVE NO DOOR KNOB OR SURFACE-MOUNTED HARDWARE. THE UNLATCHING OF ANY LEAF SHALL NOT REQUIRE MORE THAN ONE OPERATION.
- THERE SHALL BE A LEVEL AND CLEAR FLOOR OR LANDING ON EACH SIDE OF A DOOR. THE LEVEL AREA SHALL HAVE A LENGTH IN THE DIRECTION OF DOOR SWING OF A LEAST 60 INCHES AND THE LENGTH OPPOSITE THE DIRECTION OF THE DOOR SWING OF 48 INCHES AS MEASURED AT RIGHT ANGLES TO THE PLANE OF THE DOOR IN ITS CLOSED POSITION.
- THE WIDTH OF THE LEVEL AREA ON THE SIDE TO WHICH THE DOOR SWINGS SHALL EXTEND 24 INCHES PAST THE STRIKE FDGE OF THE DOOR FOR EXTERIOR DOORS AND 18 INCHES PAST THE STRIKE EDGE FOR INTERIOR DOORS. THE WIDTH OF THE AREA ON THE SIDE OPPOSITE THE SWING SHALL EXTEND 12 INCHES PAST THE STRIKE EDGE OF THE DOOR WHEN THE DOOR IS EQUIPPED WITH BOTH A CLOSER AND A LATCHSET.
- ABRUPT CHANGES IN LEVEL ALONG ANY ACCESSIBLE ROUTE SHALL NOT EXCEED 1/2 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 VERTICAL. WHEN CHANGES IN LEVELS GREATER THAN 1/2 INCH ARE NECESSARY THEY SHALL COMPLY WITH THE REQUIREMENTS.
- 12. FOR RAMPS. MINIMUM WIDTH SHALL BE 48".
- 13. SIDE REACH MOUNTING HEIGHTS: IF THE CLEAR FLOOR SPACE ALLOWS PARALLEL APPROACH BY A PERSON IN A WHEELCHAIR, THE MAXIMUM HEIGHT FOR HIGH SIDE REACH SHALL BE 44 INCHES AND THE LOW SIDE REACH SHALL BE 15 INCHES ABOVE THE FINISHED FLOOR.
- 14. FORWARD REACH MOUNTING HEIGHTS: IF THE CLEAR SPACE ONLY ALLOWS FORWARD APPROACH BY A PERSON IN A WHEELCHAIR, THE MAXIMUM HEIGHT FOR HIGH SIDE REACH SHALL BE 48 INCHES AND THE LOW SIDE REACH SHALL BE 15 INCHES ABOVE THE FINISHED FLOOR.
- 15. DOORS LEADING TO MEN'S SANITARY FACILITIES SHALL BE IDENTIFIED BY AN EQUILATERAL TRIANGLE 1/4" THICK, WITH EDGES 12" LONG AND A VERTEX POINTING UPWARD. WOMEN'S SANITARY FACILITIES SHALL BE IDENTIFIED BY A CIRCLE 1/4" THICK AND 12" IN DIAMETER.
- 16. UNISEX SANITARY FACILITIES SHALL BE IDENTIFIED BY A CIRCLE 1/4" THICK, 12" DIAMETER, WITH A 1/4" THICK TRIANGLE SUPERIMPOSED ON THE CIRCLE AND WITHIN THE 12" DIAMETER.
- 17. GEOMETRIC (CIRCLE AND TRIANGLE) SYMBOLS SHALL BE CENTERED ON THE DOOR AT A HEIGHT OF 60" ABOVE FINISHED FLOOR AND THEIR COLOR AND CONTRAST SHALL BE DISTINCTLY DIFFERENT FROM THE COLOR AND CONTRAST OF THE DOOR.
- 18. ADDITIONAL SIGNAGE REQUIREMENTS: RAISED LETTERS SHALL BE PROVIDED AND SHALL BE ACCOMPANIED BY BRAILLE IN CONFORMANCE WITH SECTION 11B-703. THEY SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH OUTSIDE OF THE DOOR. 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 SHALL BE MOUNTED 48" MINIMUM ABOVE FINISH FLOOR, MEASURED FROM THE BASELINE OF THE LOWEST LINE OF BRAILLE AND 60" MAXIMUM ABOVE THE FINISH FLOOR, MEASURED FROM THE BASELINE OF THE HIGHEST LINE OF RAISED CHARACTERS. CBC 11B-703.4.1

VICINITY MAP:



THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CHECKING CONTRACT DOCUMENTS FIELD CONDITIONS AND DIMENSIONS FOR ACCURACY, AND CONFIRMING THAT WORK IS BUILDABLE AS SHOWN BEFORE PROCEEDING WITH CONSTRUCTION. IF THERE ARE ANY QUESTIONS REGARDING THESE OR OTHER COORDINATION ISSUES, THE GENERAL CONTRACTOR IS RESPONSIBLE FOR OBTAINING A CLARIFICATION FROM THE OWNERS' REPRESENTATIVE BEFORE PROCEEDING WITH WORK IN QUESTION OR RELATED WORK.

GENERAL NOTES

- THE GENERAL CONTRACTOR SHALL INFORM THE OWNERS' REPRESENTATIVE, PRIOR TO CONSTRUCTION, OF ANY CONFLICTS THAT EXIST IN ANY AND ALL MECHANICAL, TELEPHONE, ELECTRICAL, LIGHTING, PLUMBING AND SPRINKLER EQUIPMENT LOCATIONS INCLUDING ALL PIPING, DUCTWORK AND CONDUIT, AND INSURE THAT ALL REQUIRED CLEARANCES FOR INSTALLATION AND MAINTENANCE ARE PROVIDED.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL WORK AND MATERIALS IN ACCORDANCE WITH ALL CODES AND REQUIREMENTS OF STATE AND LOCAL REGULATORY AGENCIES.
- ALL WORK NOT SPECIFICALLY COVERED IN THE CONTRACT DOCUMENTS SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH CONSTRUCTION INDUSTRY
- DRAWINGS, THOUGH NOTED TO SCALE, ARE DIAGRAMMATICAL. DO NOT SCALE DRAWINGS
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR DOCUMENTING ALL CHANGES TO THE CONSTRUCTION DOCUMENTS, NO MATTER HOW MINOR, FOR AS-BUILT RECORD DOCUMENTS. THESE DOCUMENTS ARE TO BE GIVEN TO THE OWNERS' REPRESENTATIVE WITHIN 2 WEEKS AFTER FINAL COMPLETION.

ALL HEIGHTS ARE DIMENSIONED FROM TOP OF SLAB UNLESS OTHERWISE NOTED.

- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL UTILITIES INDICATED ON THE INTERIOR ELEVATIONS WITH THE ELECTRICAL AND PLUMBING SUBCONTRACTORS.
- IN THE CASE OF CONFLICTS OR AMBIGUITIES NOT CLARIFIED PRIOR TO THE BIDDING DEADLINE, USE THE MOST COSTLY ALTERNATIVE (BETTER QUALITY, GREATER QUANTITY AND LARGER SIZE) IN PREPARING THE BID.
- 10. ALL PENETRATIONS THROUGH FIRE RESISTIVE PARTITION AND SLAB, INCLUDING CONDUITS AND PIPING, SHALL BE CONSTRUCTED TO MEET APPROVED U.L. SYSTEM.
- ALL PENETRATIONS INTO SOUND RATED PARTITIONS, INSULATED PARTITIONS OR CEILING ASSEMBLIES SHALL BE SEALED WITH APPROVED PERMANENT RESILIENT SEALANT. OR OTHERWISE TREATED TO MAINTAIN INTEGRITY OF THE ACOUSTICAL ASSEMBLY.
- CONTRACTOR TO PREVENT GALVANIC ACTION AND OTHER FORMS OF CORROSION BY INSULATING METALS AND OTHER MATERIALS FROM DIRECT CONTACT WITH INCOMPATIBLE MATERIALS.
- THE CONTRACTOR SHALL PERFORM ALL CUTTING, PATCHING, AND FINISHING NECESSARY TO RESTORE THE ORIGINAL CONDITION OF THE BUILDING TO ALL EXISTING PORTIONS OF THE BUILDING AFFECTED BY HIS WORK, TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE.
- 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 STEEL MAINTAIN A MINIMUM CLEARANCE OF ONE INCH BETWEEN THE REINFORCEMENT STEEL AND THE DRILLED-IN ANCHOR AND OR PIN.
- THE CONTRACTOR SHALL COORDINATE ALL PHASING, ACCESS, DEBRIS, STAGING AREAS, AND HOURS OF CONSTRUCTION WITH OWNERS PRIOR TO START OF
- CONTRACTOR TO PROVIDE REQUIRED DUST AND INFECTION CONTROL PROTECTION SYSTEM. MEANS AND METHODS TO BE COORDINATED WITH OWNER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SECURITY OF THE AREA OF THE PROJECT WORK AND SHALL ALSO BE RESPONSIBLE FOR THE DISCIPLINE OF ALL CONSTRUCTION WORKERS ON THE PROJECT
- 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 STRUCTURAL SLAB FOR ANY POSSIBLE EMBEDDED CONDUITS, STRUCTURAL REBAR UNFORESEEN CONDITION THAT IS OUTSIDE THE SCOPE OF WORK AND MIGHT IMPEDE THE ANCHORING OF EQUIPMENT OR CONFLICT WITH TRENCHING PRIOR TO CONSTRUCTION.
- CONTRACTOR STAGING TO BE IN THE ROOMS UNDER REMODEL.
- 22. 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. THE GENERAL CONTRACTOR IS RESPONSIBLE TO CUT & PATCH TO MATCH ALL
- EXISTING PARTITIONS WHERE NEW FIRE ALARM AND ELECTRICAL DEVICES ARE REQUIRED AS SPECIFIED IN THE FIRE ALARM DRAWINGS.
- CONTRACTOR SHALL FURNISH AND APPLY CRETESEAL 2000 CONCRETE SEALER OR APPROVED EQUAL ON SLAB ON GRADE.

CODE COMPLIANCE BASEMENT LEVEL FLOOR PLAN **∧** A1−03 PHARMACY FLOOR PLAN ADA CODE COMPLIANCE DETAILS A4-00 PHASING PLAN A4-01 DEMOLITION FLOOR PLAN NEW FLOOR PLAN DEMOLITION REFLECTED CEILING PLAN REFLECTED CEILING PLAN INTERIOR ELEVATIONS A4 - 40INTERIOR ELEVATIONS A5-00 FIRE RATED ASSEMBLIES TYPICAL RATED PARTITION ASSEMBLIES

ROOF PLAN $\frac{1}{3}$ A5-60 GYPSUM CEILING DETAILS A5-70 LAY IN CEILING DETAILS

INDEX OF DRAWINGS:

ARCHITECTURAL

COVER SHEET

A0-00 PROJECT INFORMATION

A1-00 SITE ACCESSIBILITY AND EGRESS PATH OF TRAVEL

CODE COMPLIANCE FIRST FLOOR PLAN

- A5-80 MILLWORK DETAILS A6-00 DOOR AND INTERIOR OPENINGS SCHEDULE PROPOSED EQUIPMENT FLOOR PLAN NEW FINISHES PLAN
- ID-2FINISHES, NOTES & DETAILS

STRUCTURAL:

- GENERAL NOTES TYPICAL DETAILS S-2 PARTIAL FLOOR PLAN, PARTIAL PENTHOUSE ROOF PLAN SDI DETAILS
- SD2 DETAILS SD3

<u> MECHANICAL:</u>

- MO-01 GENERAL NOTES, LEGEND, SYMBOLS, AND SHEET INDEX M0-02SCHEDULES
 - ZONING PLAN
 - PARTIAL RENOVATION FIRST FLOOR AND ROOF PLAN PARTIAL RENOVATION HEATING HOT WATER FLOOR PLAN
- M5-10 DIAGRAMS M6-10 DETAILS
- MD2-10 PARTIAL DEMOLITION FIRST FLOOR AND ROOF PLAN
- MD2-11 PARTIAL DEMOLITION HEATING HOT WATER FLOOR PLAN

PLUMBING:

- GENERAL NOTES, LEGEND, SYMBOLS, AND SHEET INDEX
- SCHEDULES AND DETAILS
- P2-10 PARTIAL RENOVATION FLOOR PLAN PD2-10 PARTIAL DEMOLITION FLOOR PLAN

ELECTRICAL

GENERAL NOTES, LEGEND, SYMBOLS AND SHEET INDEX PARTIAL SINGLE LINE DIAGRAM, SCHEDULES, & LOAD SUMMARY

- ED2.1 PARTIAL DEMOLITION FLOOR PLANS
- PARTIAL RENOVATION FLOOR PLANS PANEL SCHEDULES & LOAD SUMMARIES

DEFERRED APPROVALS

-FIRE ALARM

-FIRE PROTECTION -SIGNAGE

PROJECT INFORMATION: APPLICABLE CODES AND REGULATIONS:

SCOPE OF WORK

UPGRADE AND REMODEL OF THE EXISTING INPATIENT PHARMACY TO UNITED STATES PHARMACOPEIA CHAPTER 800. THE FULL EXTENT OF WORK IS INDICATED IN THE CONSTRUCTION DOCUMENTS PREPARED BY SFEIR ARCHITECTS.

BUILDING DESCRIPTION:

NUMBER OF STORIES: 1 STORY + 1 BASEMENT OCCUPANCY GROUP: I-2 (NO CHAMGE IN EXISTING OCCUPANCY LOAD) TYPE OF CONSTRUCTION: I-A FIRE SPRINKLERS: ENTIRE BUILDING

CONSTRUCTION CLASSIFICATION:

SEISMIC ZONE 4 3HR STRUCTURAL FRAME. 2HR FLOOR-CEILING/ROOF

1 1/2 HR ROOF

AREA OF REMODEL

ANTE ROOM = 339 SQ. FT.

IV PREP. ROOM = 139 SQ. FT.

TOTAL COMBINED AREA = 572 SQ. FT.

BSC ROOM = 94 SQ. FT.

CALIFORNIA ADMINISTRATIVE CODE (CAC) (PART 1, TITLE 24, CCR)

- CALIFORNIA BUILDING CODE (CBC) 2016 (PART 2, TITLE 24, CCR)
- CALIFORNIA ELECTRICAL CODE (CEC) 2016 (PART 3, TITLE 24, CCR) CALIFORNIA MECHANICAL CODE (CMC)
- (PART 4, TITLE 24, CCR) CALIFORNIA PLUMBING CODE (CPC) (PART 5, TITLE 24, CCR)
- CALIFORNIA FIRE CODE (CFC) (PART 9, TITLE 24, CCR)

OSHPD INTENT STATEMENT

THE INTENT OF THE DRAWINGS AND SPECIFICATIONS IS TO BUILD. IN ACCORDANCE WITH THE 2016 EDITION OF TITLES 24 & 19 OF THE CALIFORNIA CODE OF REGULATIONS. SHOULD ANY CONDITION OCCUR NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH SAID CODES. A CHANGE ORDER DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY OSHPD PRIOR TO PROCEEDING WITH THE WORK.

OSHPD APPROVAL

S171641-37-00 **APPLICATION NUMBER:**

No. C 28543 万 OSHPD COMMENTS DESIGN CHANGES OSHPD COMMENTS DESIGN CHANGES DESIGN CHANGES REV: DESCRIPTION OSHPD APPROVAL STAMP: OSHPD #: S171641-37-00



PROJECT

01667.00 DRAWN BY: CHECKED BY:

07/31/17

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4002 Vista Way Oceanside, California 92056

TRI-CITY MEDICAL CENTER

SAN DIEGO, CALIFORNIA 92122

Tri-City Medical Center

ARCHITECTS

5151 Shoreham Place, Suite 100

PHARMACY

UPGRADE

San Diego, Ca 92122

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www.sfeirarch.com

TCMC

USP 800

OCEANSIDE, CALIFORNIA 92056 ARCHITECT: SFEIR ARCHITECTS 5151 SHOREHAM PLACE, SUITE 100

4002 VISTA WAY

TEL(619)299-3917 FAX(619)299-5084 P2S ENGINEERING, INC. 9665 CHESAPEAKE DRIVE, SUITE 230 SAN DIEGO, CA 92123

TEL(619)618-2347

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



10-09-17 12-11-17 12-11-17 ∞ 5-15-18 ∞ 6-05-18

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR APPROVED

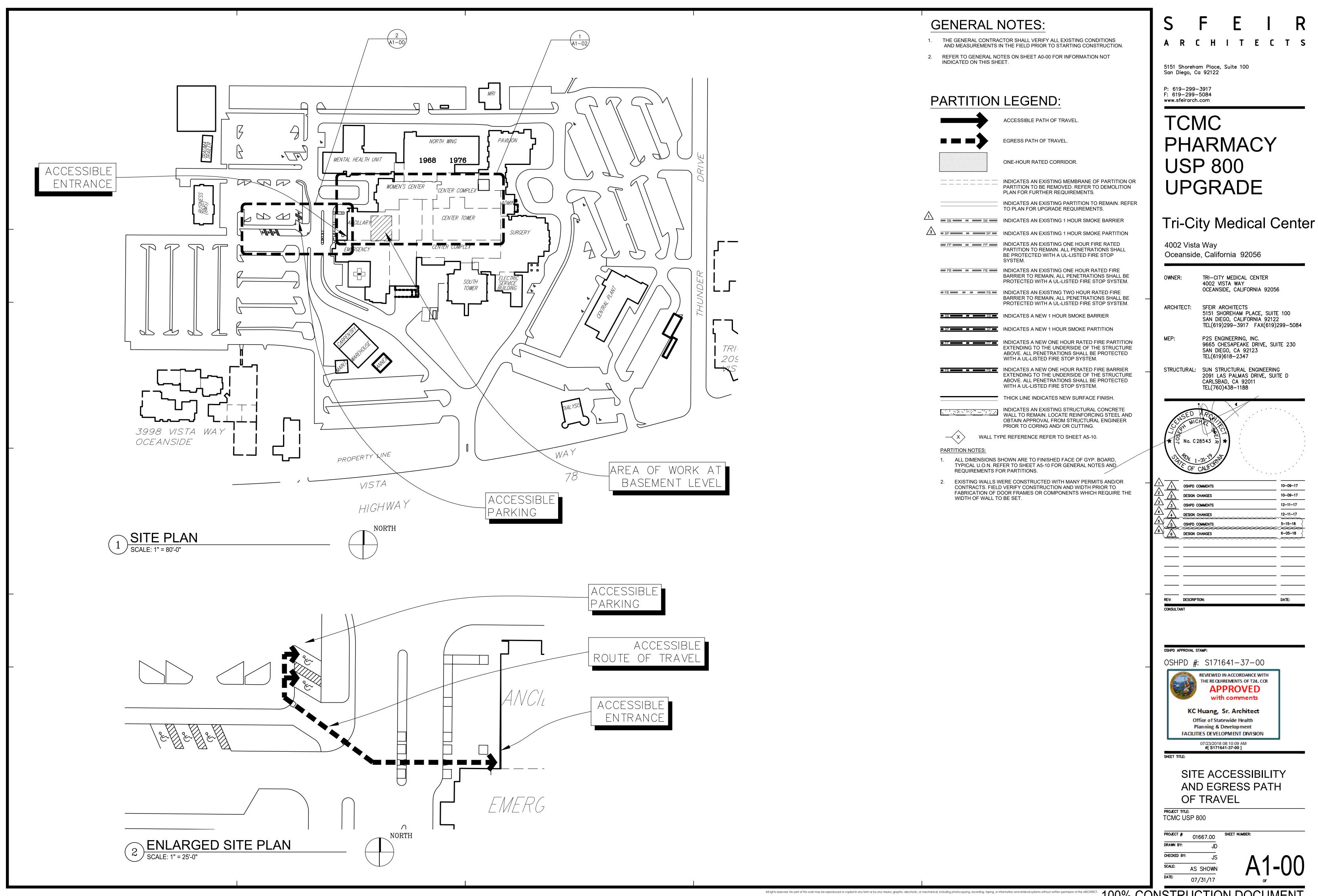
Office of Statewide Health Planning & Development FACILITIES DEVELOPMENT DIVISION

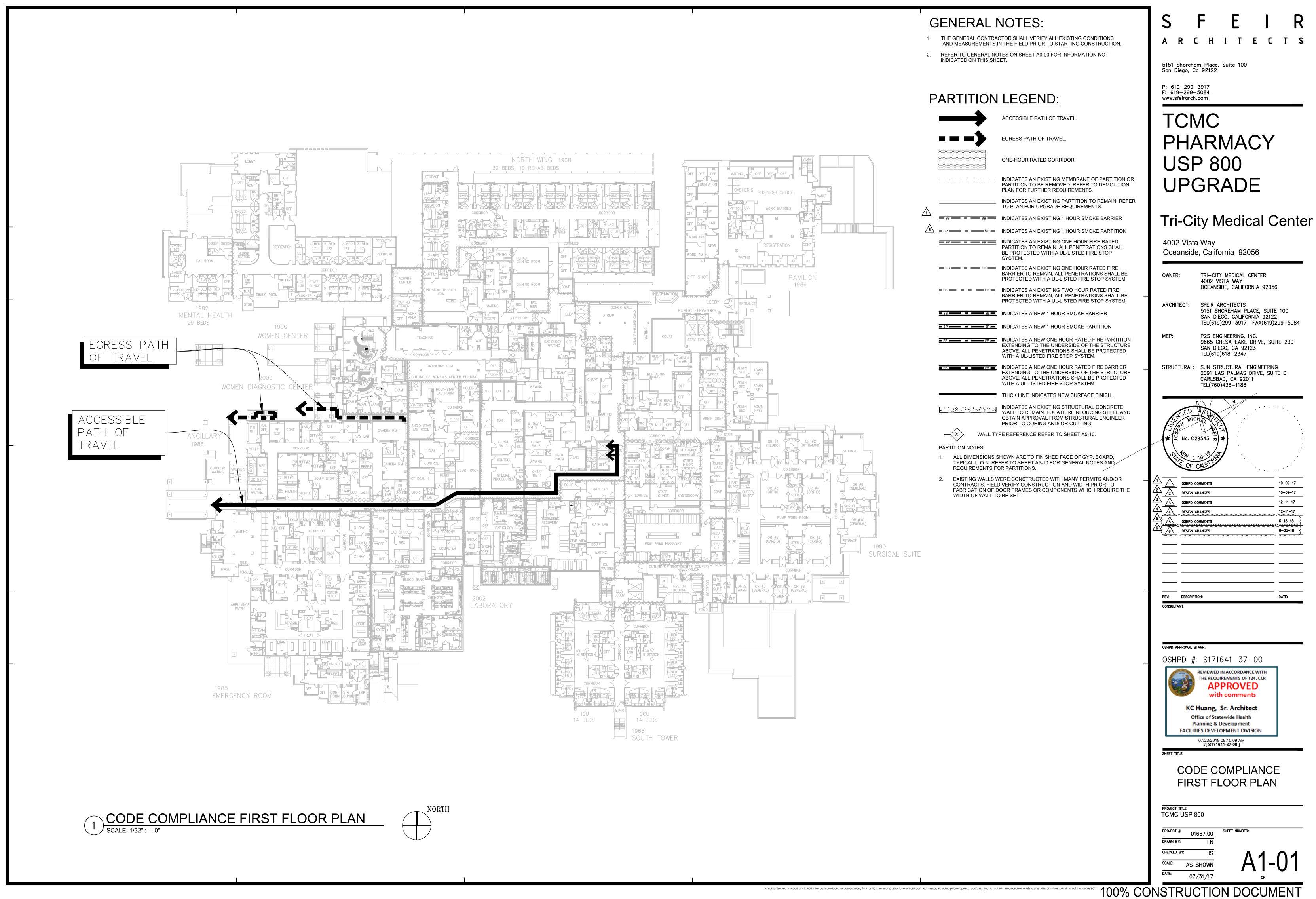
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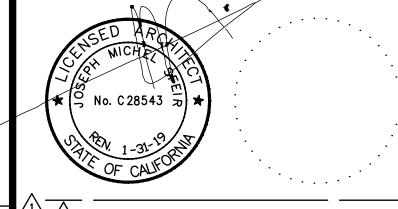
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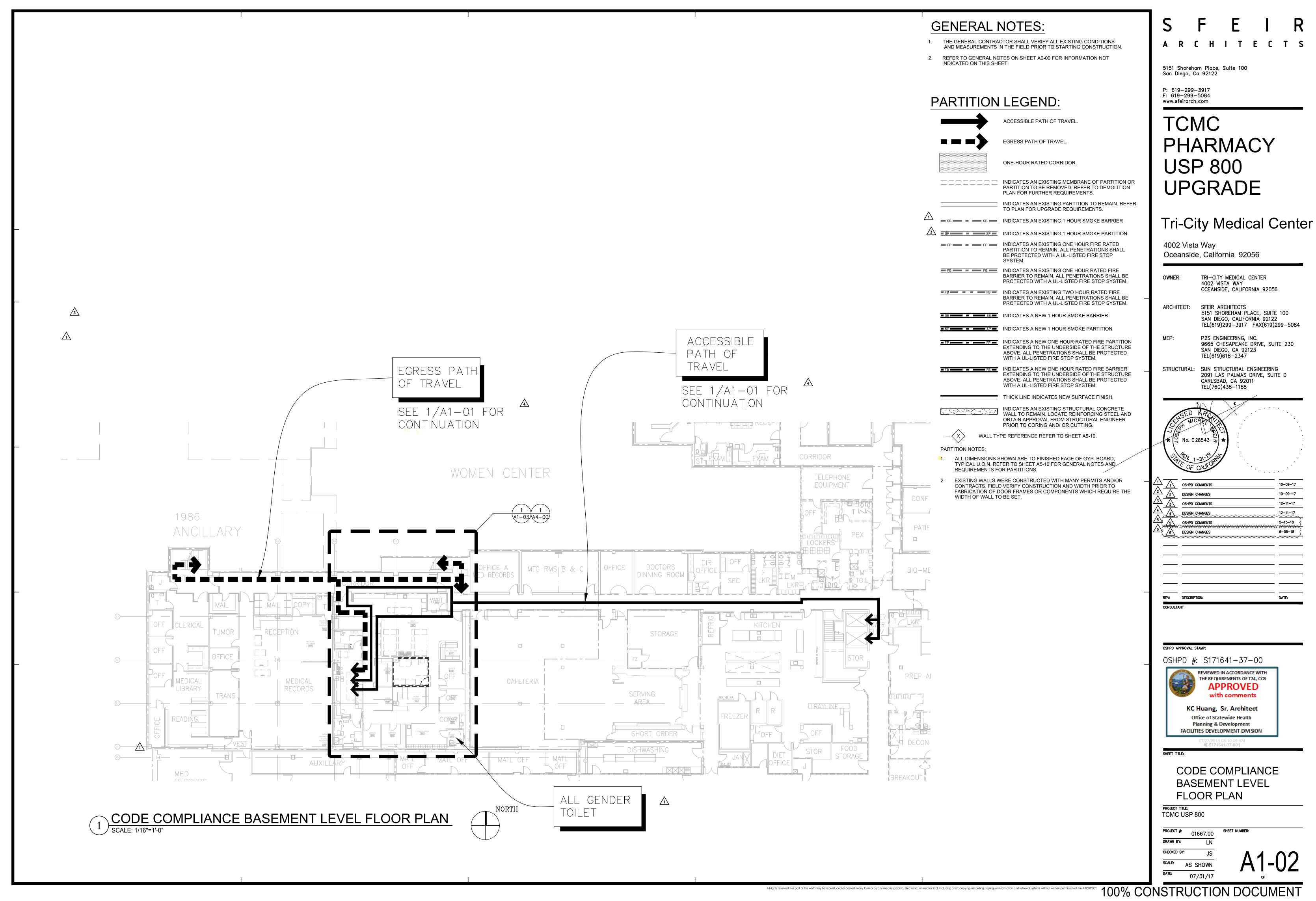


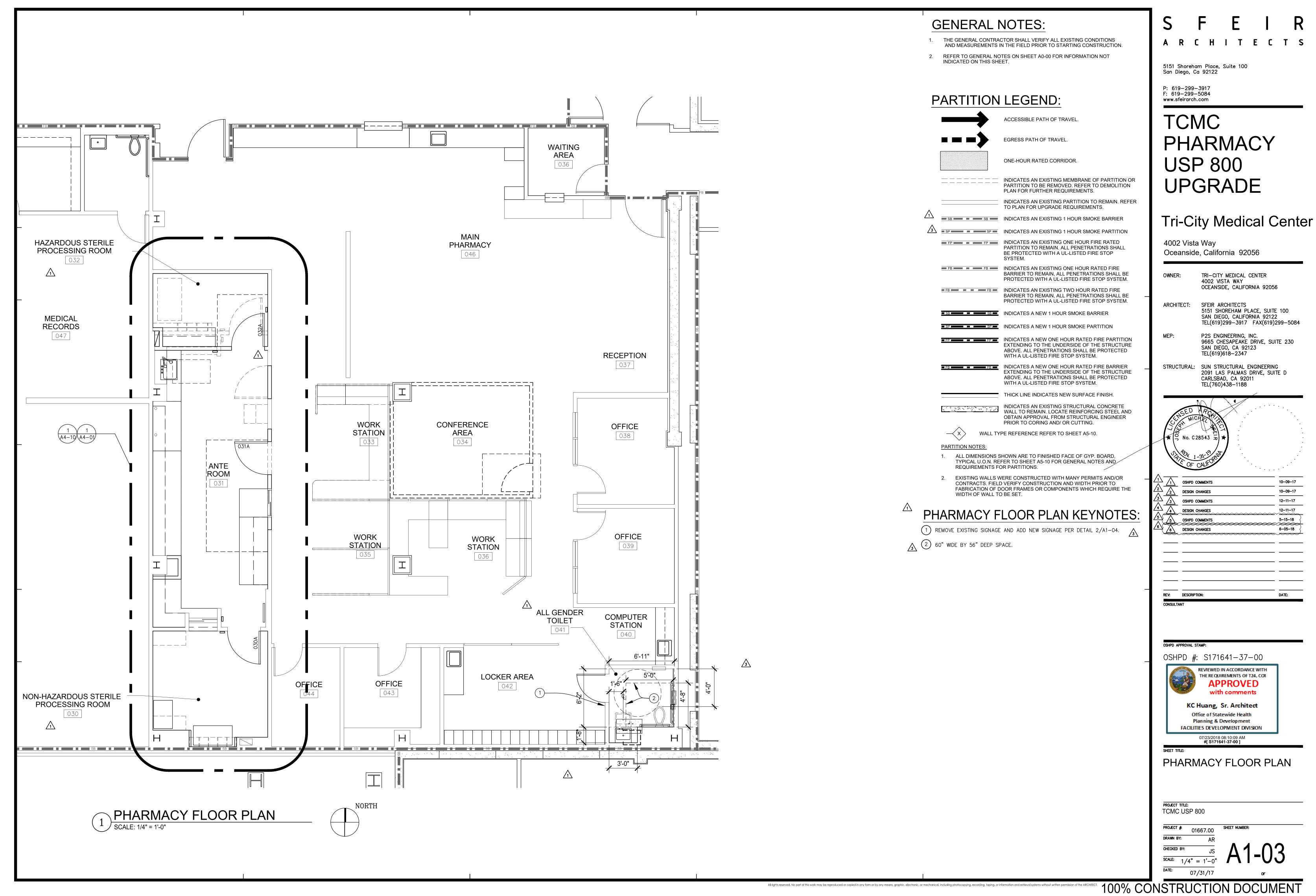


9665 CHESAPEAKE DRIVE, SUITE 230



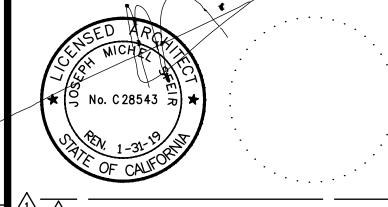
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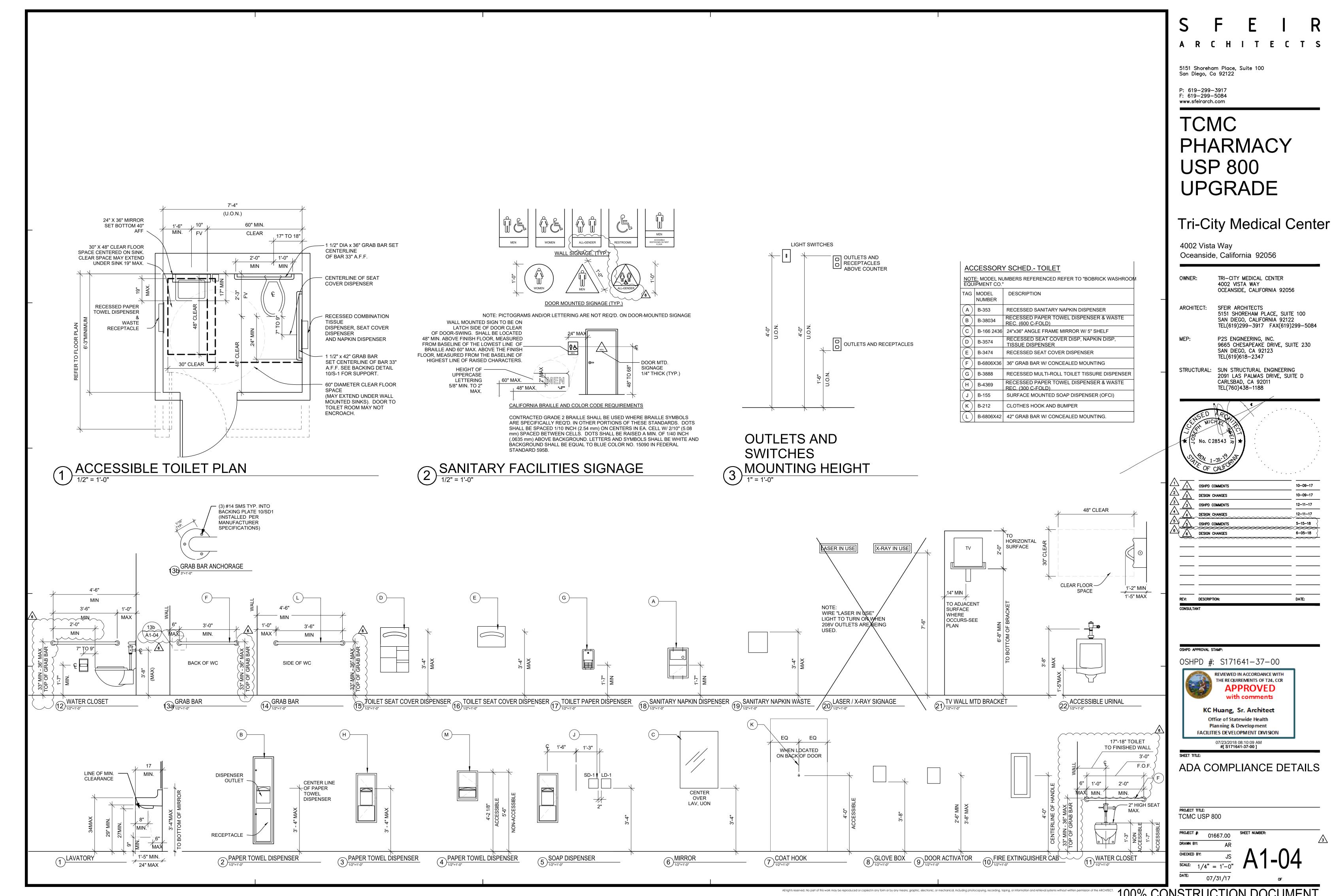


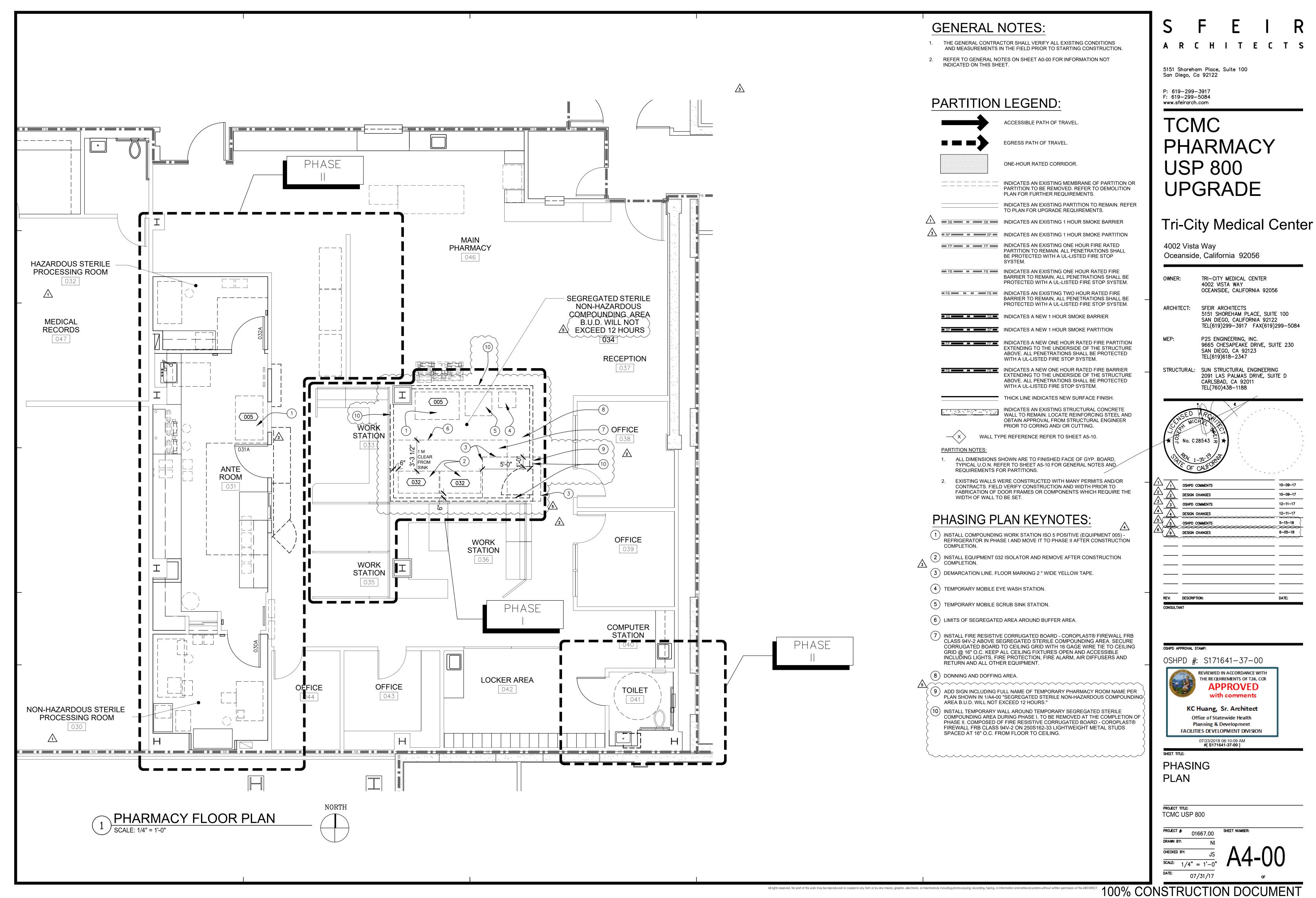
5151 SHOREHAM PLACE, SUITE 100 TEL(619)299-3917 FAX(619)299-5084

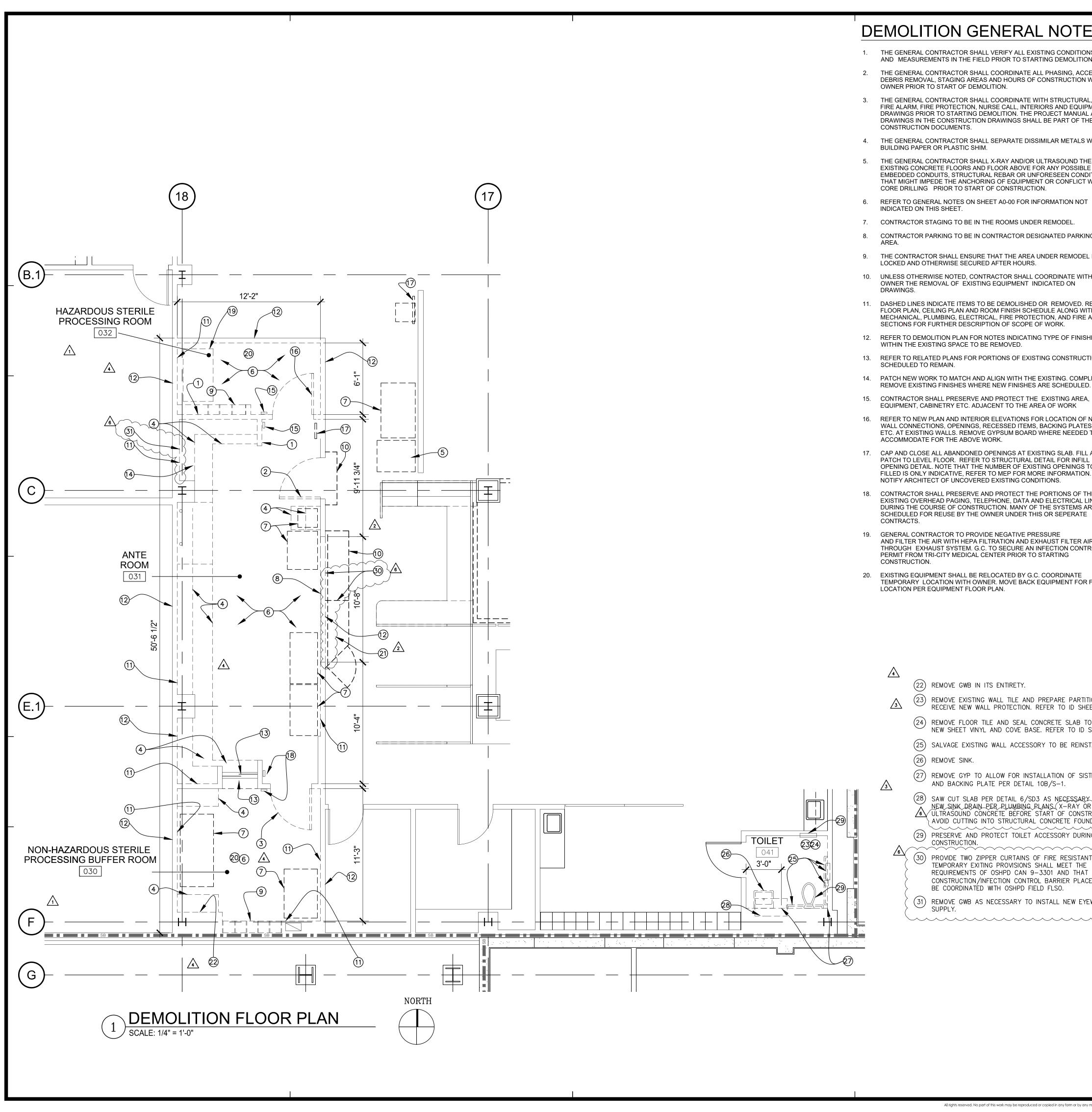
9665 CHESAPEAKE DRIVE, SUITE 230



2	DESIGN CHANGES	10-09-17
3	OSHPD COMMENTS	12-11-17
4	DESIGN CHANGES	12-11-17
5	OSHPD COMMENTS	5-15-18
<u>6</u>	DESIGN CHANGES	6-05-18
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DEMOLITION GENERAL NOTES:

- 1. 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.
- 3. 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.
- 4. THE GENERAL CONTRACTOR SHALL SEPARATE DISSIMILAR METALS WITH
- 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.
- 6. 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
- 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
- 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
- 14. PATCH NEW WORK TO MATCH AND ALIGN WITH THE EXISTING. COMPLETELY
- 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
- 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.
- 18. 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
- 19. GENERAL CONTRACTOR TO PROVIDE NEGATIVE PRESSURE AND FILTER THE AIR WITH HEPA FILTRATION AND EXHAUST FILTER AIR THROUGH EXHAUST SYSTEM. G.C. TO SECURE AN INFECTION CONTROL PERMIT FROM TRI-CITY MEDICAL CENTER PRIOR TO STARTING
- 20. EXISTING EQUIPMENT SHALL BE RELOCATED BY G.C. COORDINATE TEMPORARY LOCATION WITH OWNER. MOVE BACK EQUIPMENT FOR FINAL LOCATION PER EQUIPMENT FLOOR PLAN.

- (22) REMOVE GWB IN ITS ENTIRETY.
- (23) REMOVE EXISTING WALL TILE AND PREPARE PARTITIONS TO RECEIVE NEW WALL PROTECTION. REFER TO ID SHEETS.
- (24) REMOVE FLOOR TILE AND SEAL CONCRETE SLAB TO RECEIVE
- NEW SHEET VINYL AND COVE BASE. REFER TO ID SHEETS.
- (25) SALVAGE EXISTING WALL ACCESSORY TO BE REINSTALLED.
- (26) REMOVE SINK.
- (27) REMOVE GYP TO ALLOW FOR INSTALLATION OF SISTER STUDS AND BACKING PLATE PER DETAIL 10B/S-1. (28) SAW CUT SLAB PER DETAIL 6/SD3 AS NECESSARY TO INSTALL
- NEW SINK DRAIN PER PLUMBING PLANS (X-RAY OR 6 ÚLTŘAŠOÚND CONČRĚTE BĚFORE SŤAŘT OF CONSTRUCTION TO AVOID CUTTING INTO STRUCTURAL CONCRETE FOUNDATION.
- (29) PRESERVE AND PROTECT TOILET ACCESSORY DURING
- (30) PROVIDE TWO ZIPPER CURTAINS OF FIRE RESISTANT VISQUEEN. TEMPORARY EXITING PROVISIONS SHALL MEET THE REQUIREMENTS OF OSHPD CAN 9-3301 AND THAT CONSTRUCTION/INFECTION CONTROL BARRIER PLACEMENT SHALL BE COORDINATED WITH OSHPD FIELD FLSO.
- (31) REMOVE GWB AS NECESSARY TO INSTALL NEW EYEWASH WATER

GENERAL NOTES:

- 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.

PLAN FOR FURTHER REQUIREMENTS.



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

INDICATES AN EXISTING MEMBRANE OF PARTITION OR

PARTITION TO BE REMOVED. REFER TO DEMOLITION

SB SB SB SI INDICATES AN EXISTING 1 HOUR SMOKE BARRIER

/3\ = SP === SP == INDICATES AN EXISTING 1 HOUR SMOKE PARTITION INDICATES AN EXISTING ONE HOUR FIRE RATED PARTITION TO REMAIN. ALL PENETRATIONS SHALL

BE PROTECTED WITH A UL-LISTED FIRE STOP

INDICATES AN EXISTING ONE HOUR RATED FIRE

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

INDICATES A NEW 1 HOUR SMOKE BARRIER

INDICATES A NEW 1 HOUR SMOKE PARTITION INDICATES A NEW ONE HOUR RATED FIRE PARTITION EXTENDING TO THE UNDERSIDE OF THE STRUCTURE

WITH A UL-LISTED FIRE STOP SYSTEM. FB FB 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 UL-LISTED FIRE STOP SYSTEM.

ABOVE. ALL PENETRATIONS SHALL BE PROTECTED

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 A5-10. **PARTITION NOTES**

- ALL DIMENSIONS SHOWN ARE TO FINISHED FACE OF GYP. BOARD, REQUIREMENTS FOR PARTITIONS.
- EXISTING WALLS WERE CONSTRUCTED WITH MANY PERMITS AND/OR CONTRACTS. FIELD VERIFY CONSTRUCTION AND WIDTH PRIOR TO FABRICATION OF DOOR FRAMES OR COMPONENTS WHICH REQUIRE THE

DEMOLITION KEYNOTES:

- (1) REMOVE EXISTING PARTITION IN ITS ENTIRETY.
- (2) REMOVE EXISTING DOOR AND FRAME.
- (3) REMOVE DOOR.) FRAME TO REMAIN.
- REMOVE EXISTING BASE AND OVERHEAD CABINETS IN THEIR ENTIRETY INSIDE THE PHARMACY.
- (5) REMOVE EXISTING EQUIPMENT. RETURN EQUIPMENT NOT TO BE RELOCATED T
- (6) REMOVE EXISTING FLOOR FINISHES AND BASE.
- (7) REMOVE EXISTING EQUIPMENT AND SALVAGE. SEE A6-20 FOR NEW LOCATIONS. RETURN EQUIPMENT NOT TO BE RELOCATED TO OWNER.
- (8) CUT OPENING IN EXISTING WALL FOR NEW DOOR AND SLIDING WINDOW.
- (9) REMOVE EXISTING MILLWORK.
- FIRE RESISTIVE CORRUGATED BOARD Coroplast®Firewall FRB Class 94V-2. TEMPORARY EXITING PROVISIONS SHALL MEET THE REQUIREMENTS OF OSHPD CAN 9-3301 AND THAT CONSTRUCTION/INFECTION CONTROL BARRIER PLACEMENT SHALL BE COORDINATED WITH OSHPD FIELD FLSO. SEPARATE CONSTRUCTION AREA FROM ADJACENT OCCUPIED SPACE ABOVE CEILING WITH FIRE RESISTIVE VISQUEEN.
- (11) REMOVE EXISTING GWB AS NEEDED TO INSTALL BACKING PLATE.
- (12) ERECT AND TIGHTLY SEAL FROM TOP OF PARTITION TO UNDERSIDE OF DECK WITH VISQUEEN. TAPE ALL EDGES TO STOP AIR LEAKAGE.
- (13) SLIDING WINDOW & WALL FRAMING TO REMAIN. REMOVE CORIAN COUNTER TOI N IV PREP ROM & REPLACE WITH STAINLESS STEEL COUNTER TOP. REMOVE PLASTIC LAMINATED SHELVING & COUNTER TOP & REPLACE WITH STAINLESS STEEL CABINET & COUNTER.
- (14) REMOVE SINK & EYE WASH.
- (15) SALVAGE DOOR OPERATOR & SENSOR PLATE TO REINSTALL.
- (16) (REMOVE DOOR. SALVAGE FRAME TO REINSTALL, PRIME & PAINT.

(17) REMOVE WALL MOUNTED BOARD TO TURN OVER TO OWNER.

- (18) EXISTING DOOR OPERATOR TO REMAIN.
- (19) REMOVE EXISTING EQUIPMENT & DISCARD.
- 20 REMOVE WALL PROTECTION.
 - (21) INFECTION CONTROL ANTEROOM.

5151 Shoreham Place, Suite 100

San Diego, Ca 92122

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TCMC PHARMACY **USP 800 UPGRADE**

Tri-City Medical Center

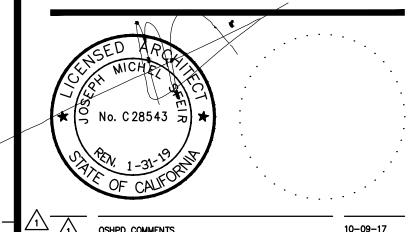
4002 Vista Way Oceanside, California 92056

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

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

P2S ENGINEERING, INC. 9665 CHESAPEAKE DRIVE, SUITE 230 SAN DIEGO, CA 92123 TEL(619)618-2347

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



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$\frac{\sqrt{3}}{\sqrt{3}}$	OSHPD COMMENTS	12-11-1
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/5\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	OSHPD COMMENTS	5-15-18
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OSHPD APPROVAL STAMP: OSHPD #: S171641-37-00 REVIEWED IN ACCORDANCE WITH

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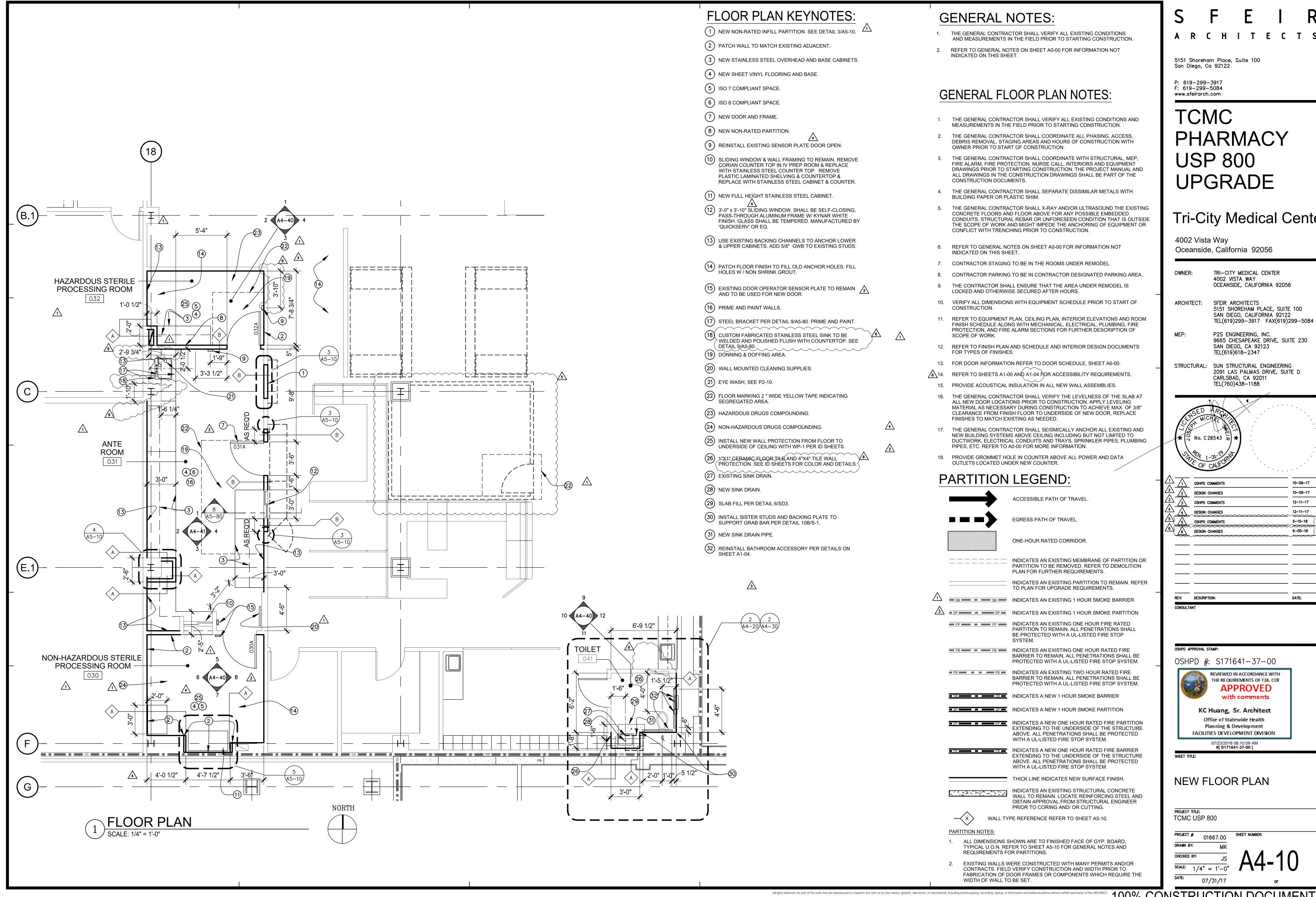
THE REQUIREMENTS OF T24, CCR **APPROVED** with comments KC Huang, Sr. Architect Office of Statewide Health Planning & Development

> FACILITIES DEVELOPMENT DIVISION 07/23/2018 08:10:09 AM #[**S171641-37-00**]

DEMOLITION **FLOOR PLAN**

TCMC USP 800

01667.00 $\frac{3CALE}{1/4}$ " = 1'-0"



PHARMACY

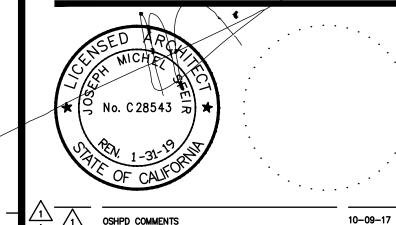
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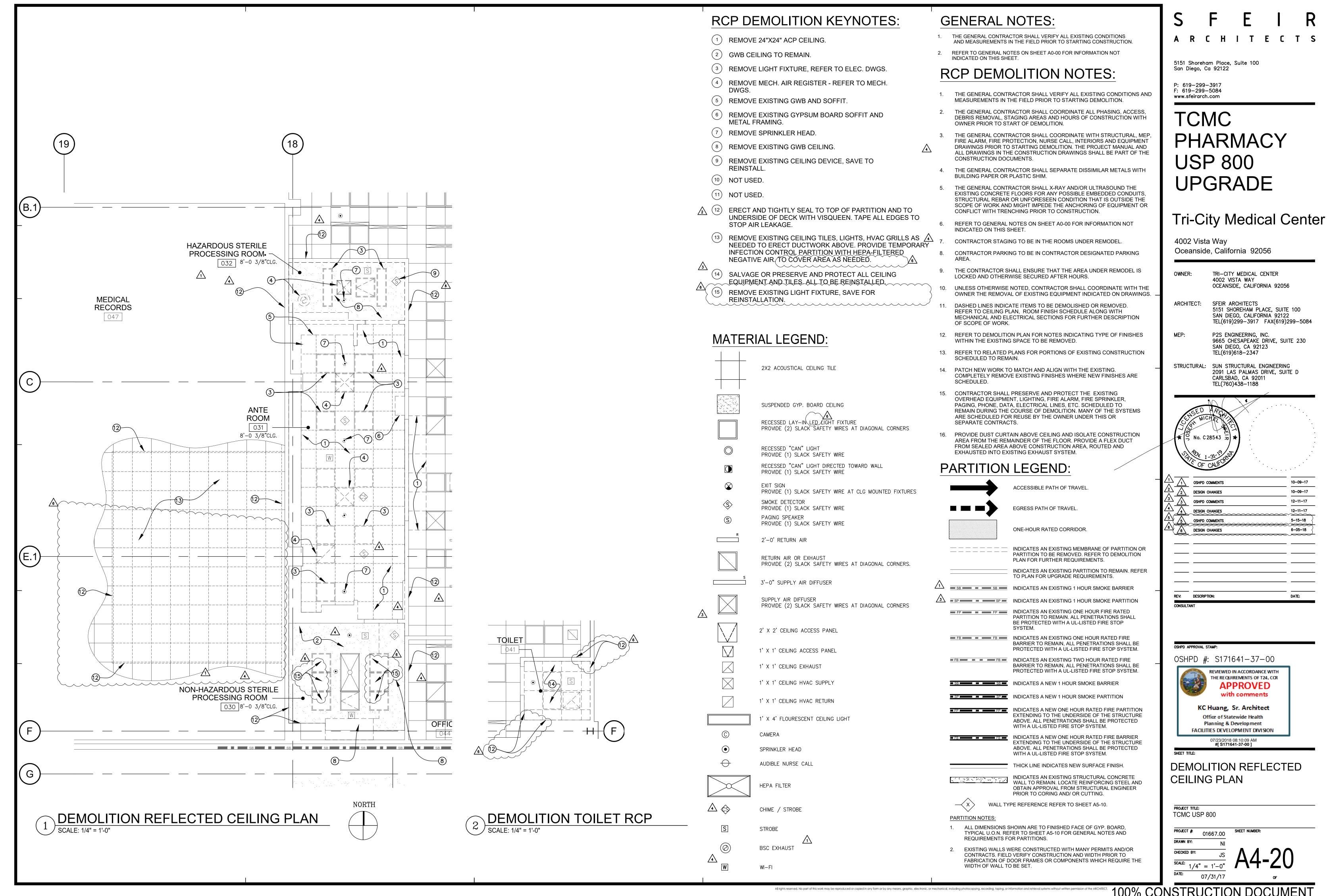
9665 CHESAPEAKE DRIVE, SUITE 230

2091 LAS PALMAS DRIVE, SUITE D

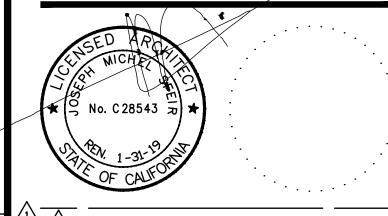


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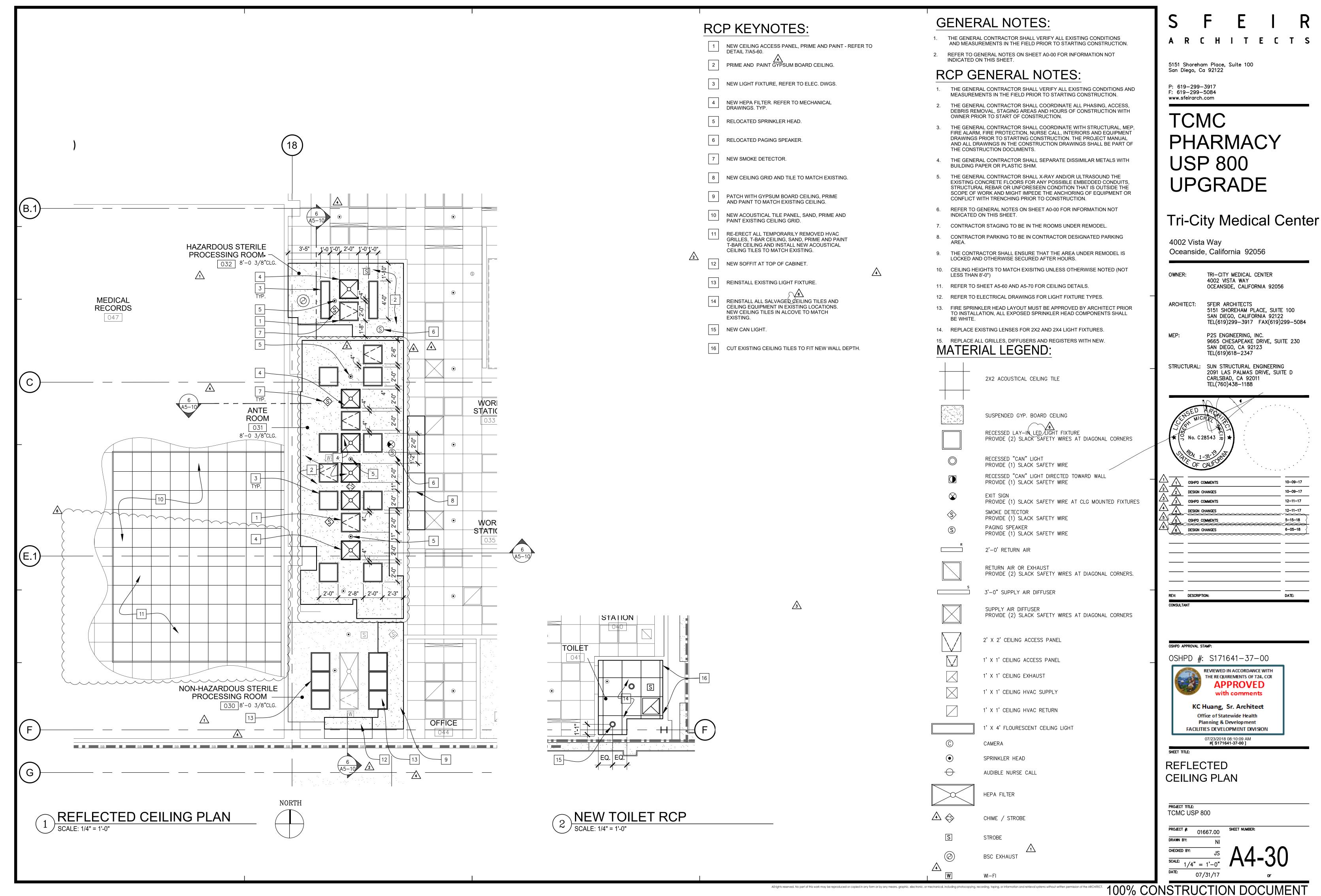


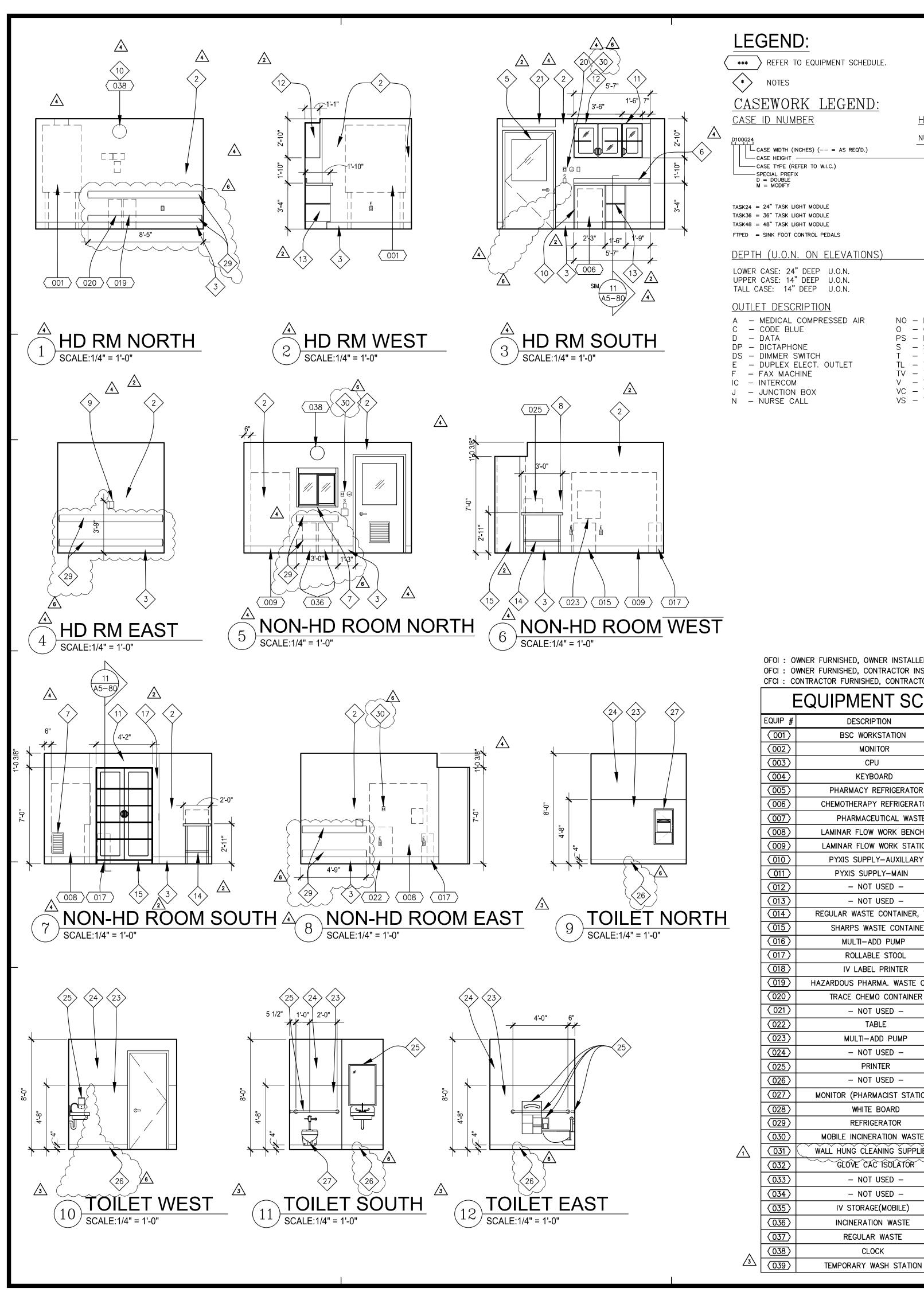


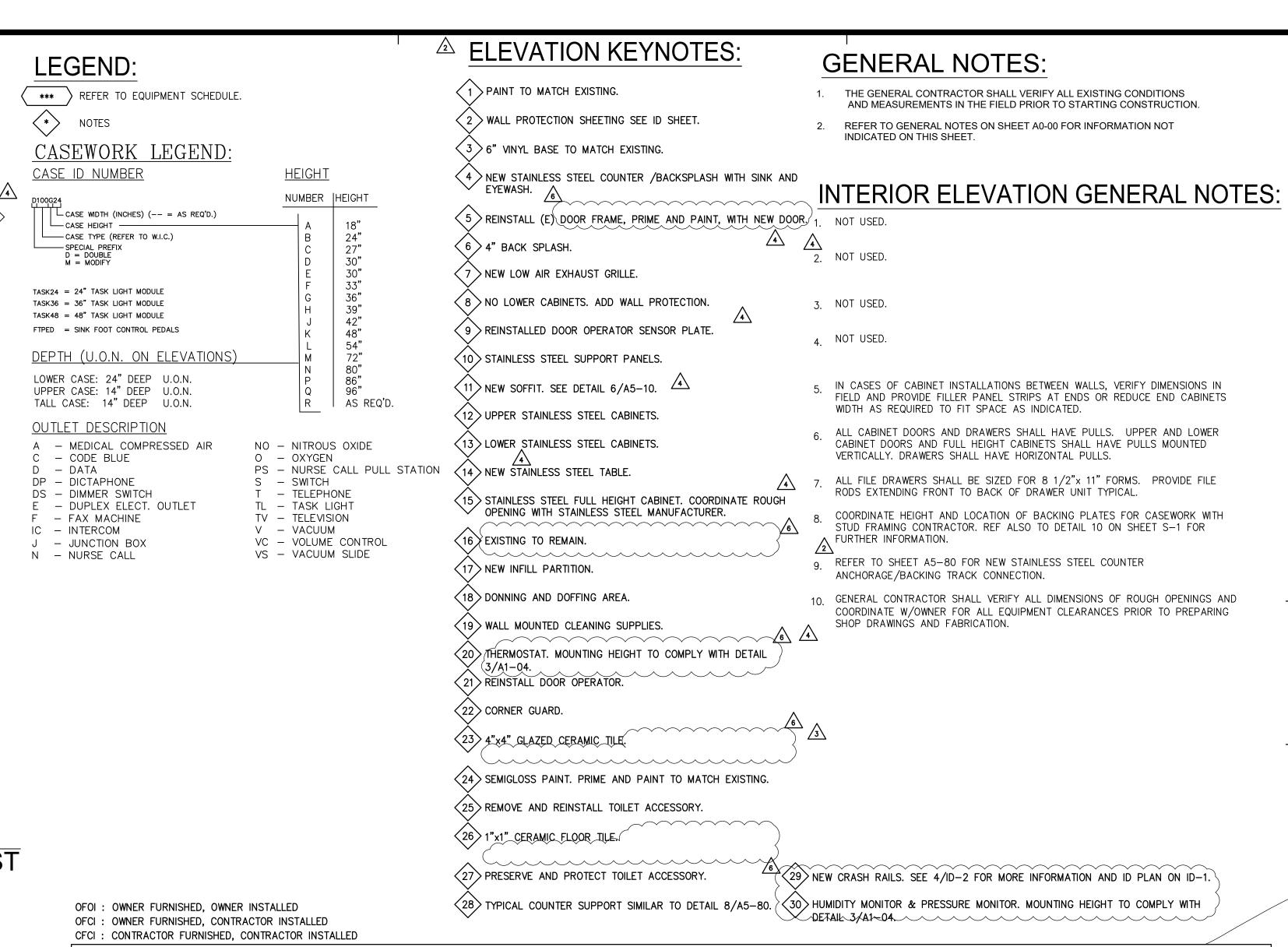
9665 CHESAPEAKE DRIVE, SUITE 230



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<u>/5\</u>	5	OSHPD COMMENTS	5-15-18
6	6	DESIGN CHANGES	6-05-18
			
	RFV:	DESCRIPTION:	DATE:







EQUIPMENT SCHEDULE EXIS. | NEW | OFOI | OFCI | CFCI | QNTY | HVAC | ELECT | DATA | SEISMIC DESCRIPTION REMARKS VBM SG404 BAKER STERILGARD, CALCS BY SSE BSC WORKSTATION 800 LBS 90.5" 52.5" 33.5" | -/A-9 15" 7.5" -/-| 4 | N/A | N/A | N/A | N/A N/A 16" MONITOR 18" 2 N/A N/A X N/A N/A 18**"** -/-4 | N/A | N/A | N/A | N/A KEYBOARD N/A 18**"** 6" -/-PHARMACY REFRIGERATOR 1,470 LBS 84" 56**"** 35**"** -/-KELVINATOR/MODEL BT30RG-4.1, CALCS BY SSE 21" | 1 | N/A | N/A | N/A | N/A 35" 22" CHEMOTHERAPY REFRIGERATOR 100 LBS -/-KENMORE 564.9149510 | 1 | N/A | N/A | N/A | N/A N/A 26" 12" 18" -/-PHARMACEUTICAL WASTE 50**"** 34" BAKER "EDGEGARD"/MODEL EG4252, CALCS BY SSE | 1 | X | X | N/A | X 440 LBS 70**"** -/-LAMINAR FLOW WORK BENCH 34" BAKER EG6252, CALCS BY SSE | 1 | x | x | N/A | X LAMINAR FLOW WORK STATION 680 LBS 4\ 1,000 LBS 78**"** 52**"** 28**"** -/-Χ PYXIS SUPPLY-AUXILLARY 78**"** 52**"** 28" PYXIS SUPPLY-MAIN 1,000 LBS -/-| 1 | x | x | x | -/-N/A NOT USED -N/A -/-NOT USED -REGULAR WASTE CONTAINER, TYPE 1 | N/A | N/A | N/A | N/A N/A 27" 22ø" -/---SHARPS WASTE CONTAINER N/A 26" 13" 19" | 1 | N/A | N/A | N/A | N/A -/-10**"** -/-| 2 | X | X | N/A| N/A MULTI-ADD PUMP 25 LBS 9 | N/A | N/A | N/A | N/A ROLLABLE STOOL N/A -/-| 1 | N/A | X | X | N/A IV LABEL PRINTER 13" 10" 19" -/-25 LBS N/A 1 | N/A | N/A | N/A | N/A HAZARDOUS PHARMA. WASTE CONT 12ø -/-TRACE CHEMO CONTAINER N/A | 1 | N/A | N/A | N/A | N/A 15**"** -/-NOT USED -N/A -/-TABLE N/A -/-34" 19**"** | 1 | N/A | X | N/A | N/A 120 LBS 24" 17**"** MULTI-ADD PUMP N/A -/-- NOT USED -16" | 2 | N/A | X | X | N/A PRINTER N/A 16" 20" -/--/-- NOT USED -2 | N/A | N/A | N/A | N/A 6" | -/-MONITOR (PHARMACIST STATION) 18" | 18" 10 LBS N/A N/A | 1 | N/A | N/A | N/A | N/A WHITE BOARD 1,654 LBS 79" 53**"** 30**"** -/-REFRIGERATOR KELVINATOR/MODEL BB50RG-3, CALCS BY SSE -/-N/A MOBILE INCINERATION WASTE WALL HUNG CLEANING SUPPLIES -/-N/A GLOVE CAC ISOLATOR 28" -/-N/A N/A -/-NOT USED -N/A -/-NOT USED -N/A -/-IV STORAGE(MOBILE) N/A INCINERATION WASTE 14" 14" -/--/-REGULAR WASTE 19" N/A -/-12" DIA. CLOCK N/A -/-

S F E I R

5151 Shoreham Place, Suite 100 San Diego, Ca 92122

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

TCMC PHARMACY USP 800 UPGRADE

Tri-City Medical Center

4002 Vista Way
Oceanside, California 92056

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

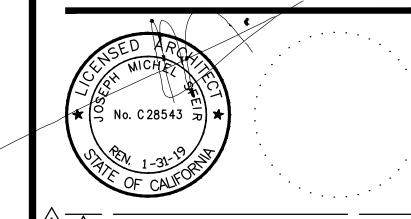
ARCHITECT: SFEIR ARCHITECTS
5151 SHOREHAM PLACE, SUITE 100
SAN DIEGO, CALIFORNIA 92122
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STRUCTURAL: SUN STRUCTURAL ENGINEERING 2091 LAS PALMAS DRIVE, SUITE D CARLSBAD, CA 92011

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OSHPD COMMENTS

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5	OSHPD COMMENTS	5-15-18
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REV:	DESCRIPTION:	DATE:

OSHPD APPROVAL STAMP:

OSHPD #: S171641-37-00

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR

APPROVED with comments

KC Huang, Sr. Architect
Office of Statewide Health
Planning & Development
FACILITIES DEVELOPMENT DIVISION

07/23/2018 08:10:09 AM #[**S171641-37-00**]

SHEET TITLE:

INTERIOR ELEVATIONS

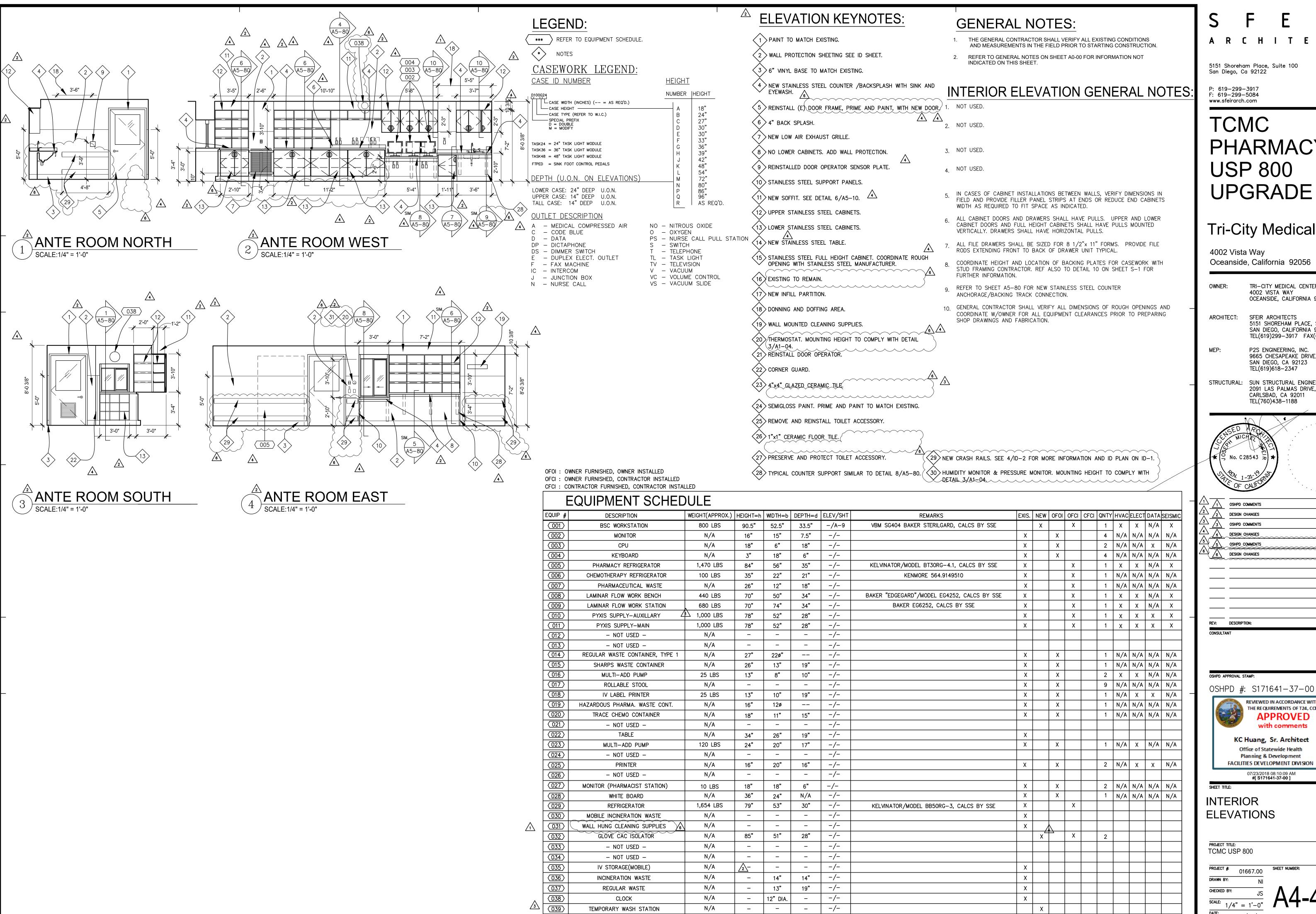
PROJECT TITLE:
TCMC USP 800

DRAWN BY: N

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

A4-40



PHARMACY

Tri-City Medical Center

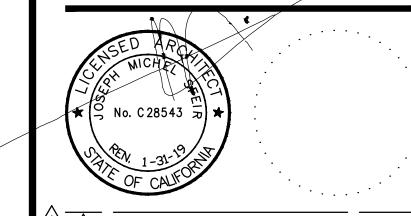
TRI-CITY MEDICAL CENTER

OCEANSIDE, CALIFORNIA 92056

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

P2S ENGINEERING, INC. 9665 CHESAPEAKE DRIVE, SUITE 230 SAN DIEGO, CA 92123

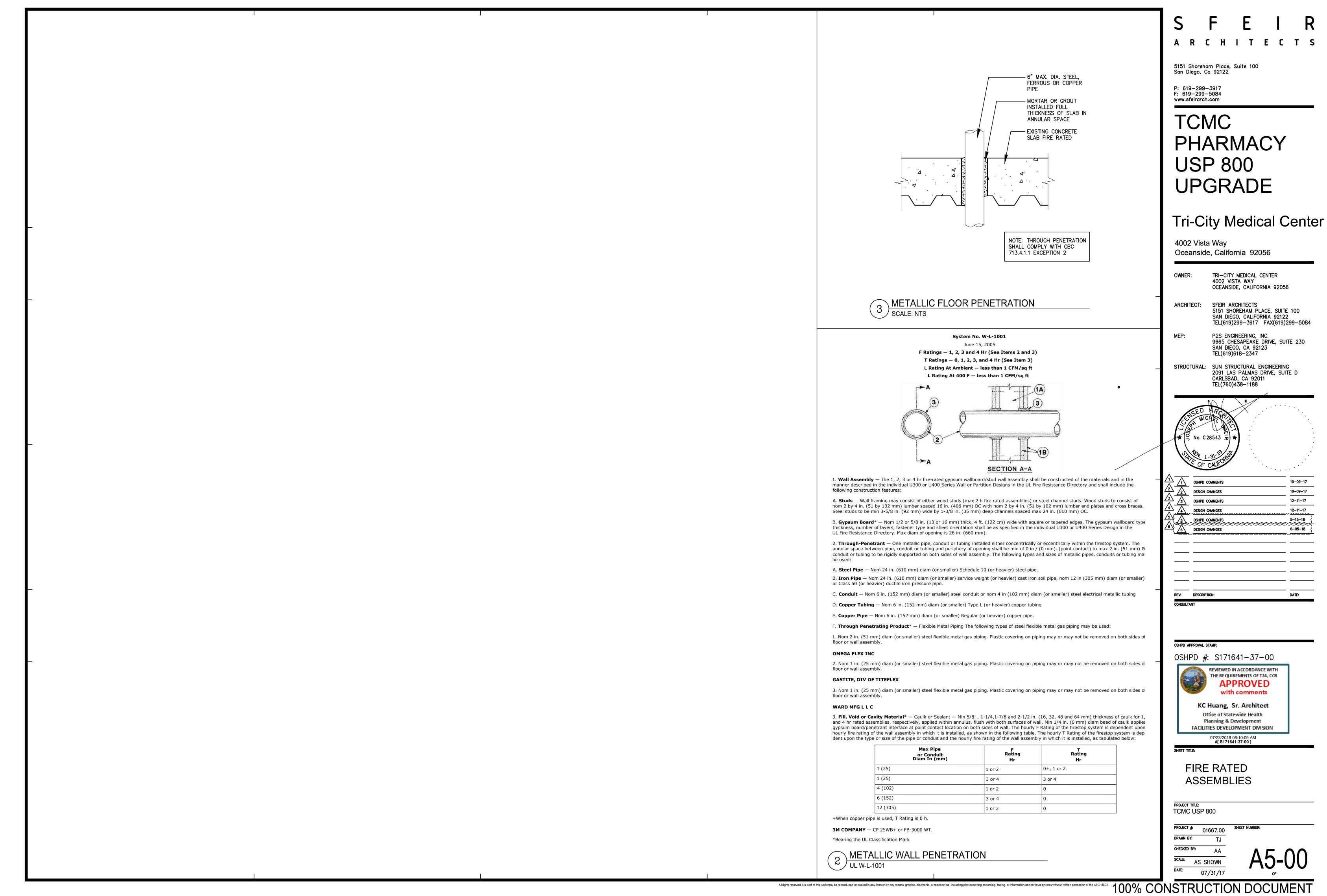
STRUCTURAL: SUN STRUCTURAL ENGINEERING 2091 LAS PALMAS DRIVE, SUITE D CARLSBAD, CA 92011

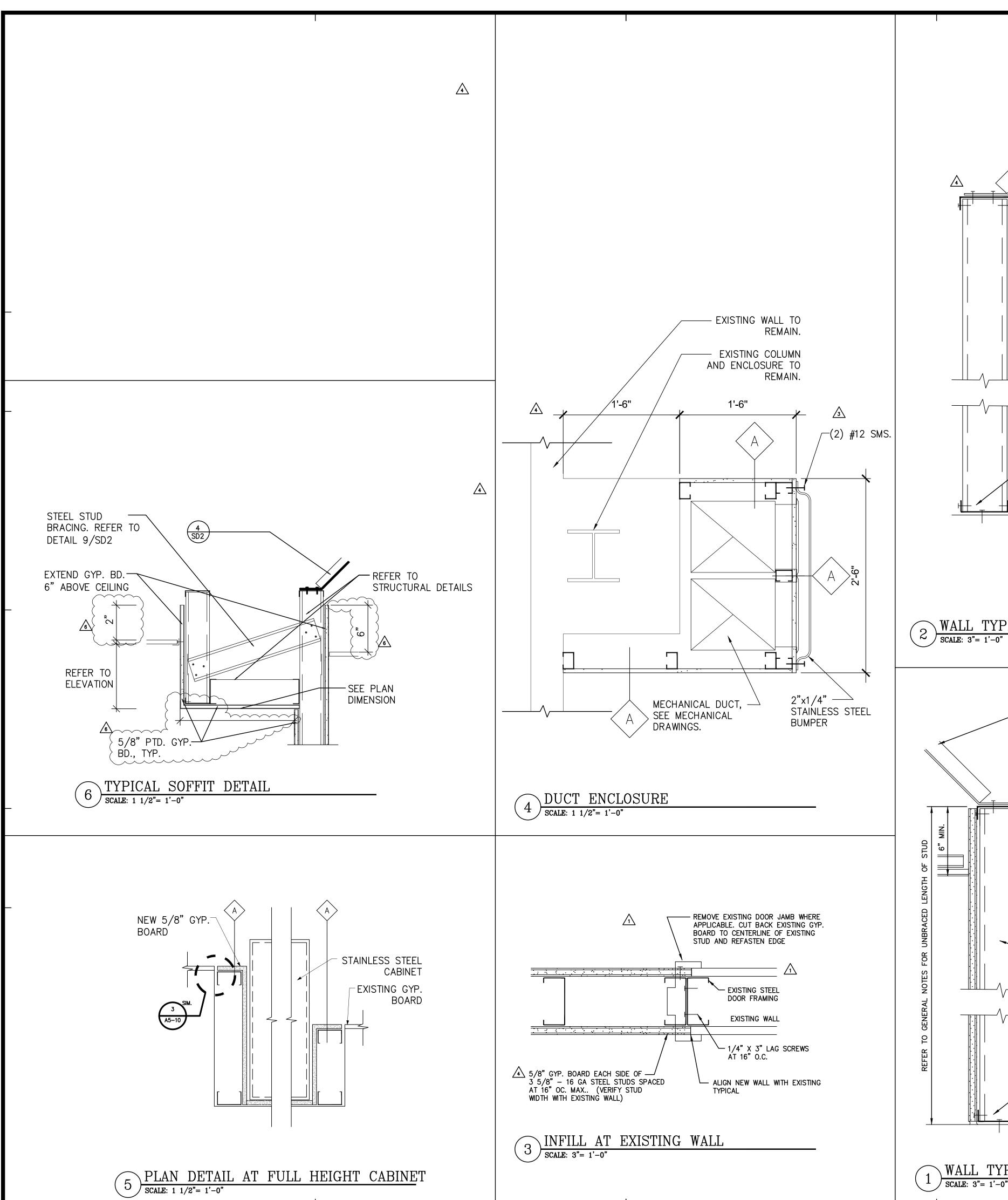


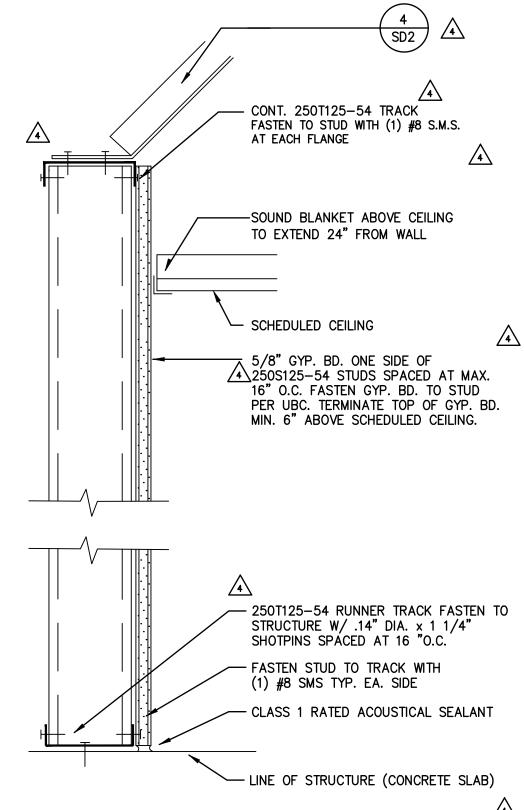
	DESIGN CHANGES	10-09-17
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$\frac{\sqrt{3}}{3}$	OSHPD COMMENTS	12-11-17
	DESIGN CHANGES	12-11-17
5	OSHPD COMMENTS	5-15-18
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OSHPD #: S171641-37-00

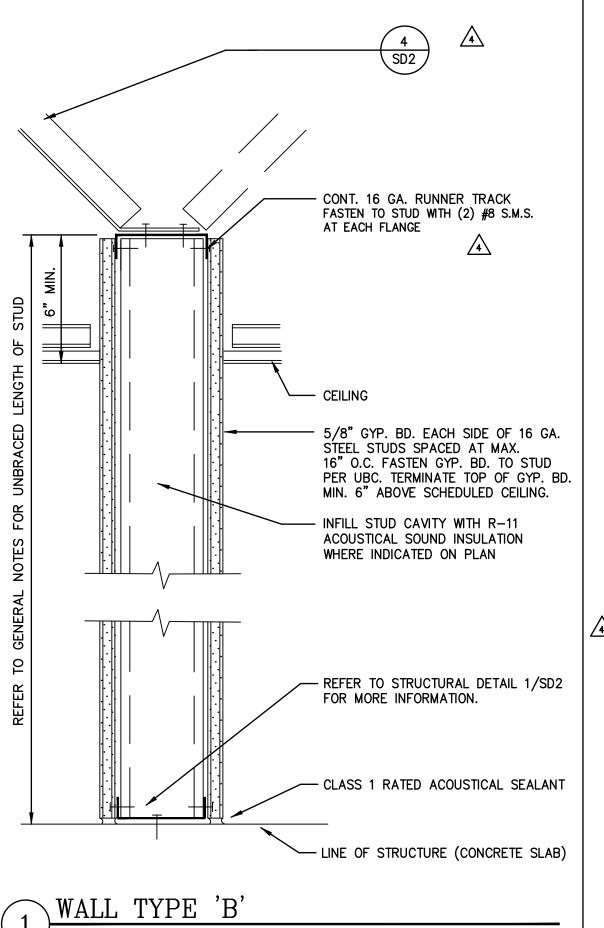
REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR **APPROVED** with comments







WALL TYPE 'A' SCALE: 3"= 1'-0"



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.

GENERAL NOTES FOR PARTITIONS:

- 1. ALL GYP. BOARD SHALL BE TYPE 'X'.
- REFER TO FLOOR PLAN FOR LOCATION OF WALL TYPES. 2. REFER TO THE INTERIOR DESIGN SHEET AND RELATED DETAILS FOR
- FINISHES REQUIRED AND TO THE MANUFACTURER FOR SURFACE PREP. 3. REFER TO THE FLOOR PLAN, INTERIOR ELEVATIONS, DETAILS, MECHANICAL
- PLUMBING AND ELECTRICAL PLANS FOR WALL BACKING REQUIREMENTS AND IN WALL UTILITIES. 4. ALL DOOR JAMBS AND OPENINGS OVER 24" SHALL BE DOUBLE STUDDED
- WITH 16 GA. STUDS EXTENDED TO STRUCTURE ABOVE REFER TO STRUCTURAL DETAILS FOR MORE INFORMATION.

RECESSED ELECTRICAL PANELS OR FIRE EXTINGUISHER CABINETS ARE

LOCATED. COORDINATE WITH RELATED SUB-CONTRACTORS. 6. PROVIDE 3 5/8" X 20 GA. STEEL TRACK BACKING AT ALL WALL MOUNTED DOOR STOPS.

5. PROVIDE 6" STEEL STUDS AT ALL WALLS AND/OR WALLS WHERE

- 7. ALL STUDS SUPPORTING WALL HUNG CABINETS SHALL BE MIN. 16 GA. STUDS SPACED AT 16" O.C. MAXIMUM. REFER TO DETAILS 02 AND 03/A5-80 FOR REQUIRED BACKING MATERIAL AND CONNECTION.
- 8. ALL RATED WALLS (FIRE AND SMOKE) SHALL BE CONSTRUCTED SO THAT SECONDARY WALLS DO NOT PENETRATE SYSTEM. ALL PENETRATIONS SHALL BE SEALED W/ UL LISTED FIRE STOP SEALANT, UL LISTED ASSEMBLIES OR APPROVED EQUAL.
- 9. SUBMITTAL FOR WALL MATERIALS SHALL BE PROVIDED TO SUBSTANTIATE THE PROPOSED MATERIALS HAVE BEEN TESTED BY A RECOGNIZED TESTING AGENCY TO MEET THE REQUIRED RATINGS AND PERFORMANCE LEVELS OF THE SPECIFIED MATERIALS.
- 10. ALL PENETRATIONS IN RATED WALLS OVER 16 SQ. INCHES \sqrt{s} HALL BE $\frac{\sqrt{11}}{2}$ BACK WRAPPED WITH 5/8" TYPE 'X' GYP. BD. UNPROTECTED PENETRATIONS UNDER 16 SQ. INCHES SHALL NOT EXCEED 100 SQ. INCHES TOTAL FOR EACH 100 SQ. FEET OF WALL AREA. WHERE SUCH UNPROTECTED OPENINGS OCCUR ON OPPOSITE SIDES OF THE WALL SEPARATE THESE OPENINGS BY MIN. 24 INCHES.
- 11. DOOR OPENINGS SHALL BE PROTECTED BY A U.L. LISTED (OR EQUAL) DOOR AND DOOR FRAME. ALL RATED DOORS SHALL BE POSITIVE LATCHING, AUTOMATIC CLOSING AND GASKETED TO PREVENT THE PASSAGE OF SMOKE. DOORS EQUIPPED WITH A HOLD OPEN DEVICE SHALL BE INTERCONNECTED TO THE FIRE ALARM WHICH SHALL CLOSE THE DOOR UPON ACTIVATION.
- 12. COMPLY WITH THE FOLLOWING I.C.B.O. REPORTS: "CEMCO"- ICC #ESR-3064P (STUDS AND TRACKS)

"ITW RAMSET/RAMSET"- I.C.C. #1799 (POWDER DRIVEN PINS) REFER TO THE FOLLOWING TABLE FOR ALLOWABLE WALL HEIGHTS, HEIGHTS ARE FOR NON-LOAD BEARING STEEL STUDS USED FOR INTERIOR PARTITIONS WITH BOTH FLANGES OF STUDS CONTINUOUSLY BRACED WITH GYP. BOARD OR FLAT STRAPS. ALLOWABLE HEIGHTS ARE THOSE LISTED WITHIN THE I.C.B.O. REPORT. BRACE ALL STUDS AS REQUIRED SO AS, NOT TO EXCEED THOSE ALLOWED HEIGHTS SET BY THE MFR. AND THE I.C.B.O. REPORT.

SUBMIT FOR APPROVAL, CURRENT I.C.B.O. REPORT.

<u>DESIGNATION</u> <u>MAXIMUM HEIGHT</u> <u>REMARKS</u> 16" O.C. 16'-1" 24" O.C. 14'-1" 3 5/8"-20 GA. 362DS20 INTERIOR ONLY. 6"-20 GA. 600DS20 24'-1" 21'-1" INTERIOR ONLY

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4002 Vista Way Oceanside, California 92056

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

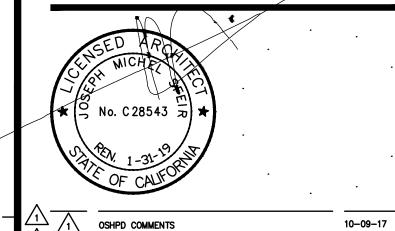
SFEIR ARCHITECTS 5151 SHOREHAM PLACE, SUITE 100 SAN DIEGO, CALIFORNIA 92122

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

MEP: P2S ENGINEERING, INC. 9665 CHESAPEAKE DRIVE, SUITE 230 SAN DIEGO, CA 92123

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

TEL(619)618-2347



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$\frac{\sqrt{3}}{4}$	DESIGN CHANGES	12–11–17
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	DESIGN CHANGES	6-05-18
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REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR **APPROVED** 

with comments KC Huang, Sr. Architect Office of Statewide Health Planning & Development FACILITIES DEVELOPMENT DIVISION

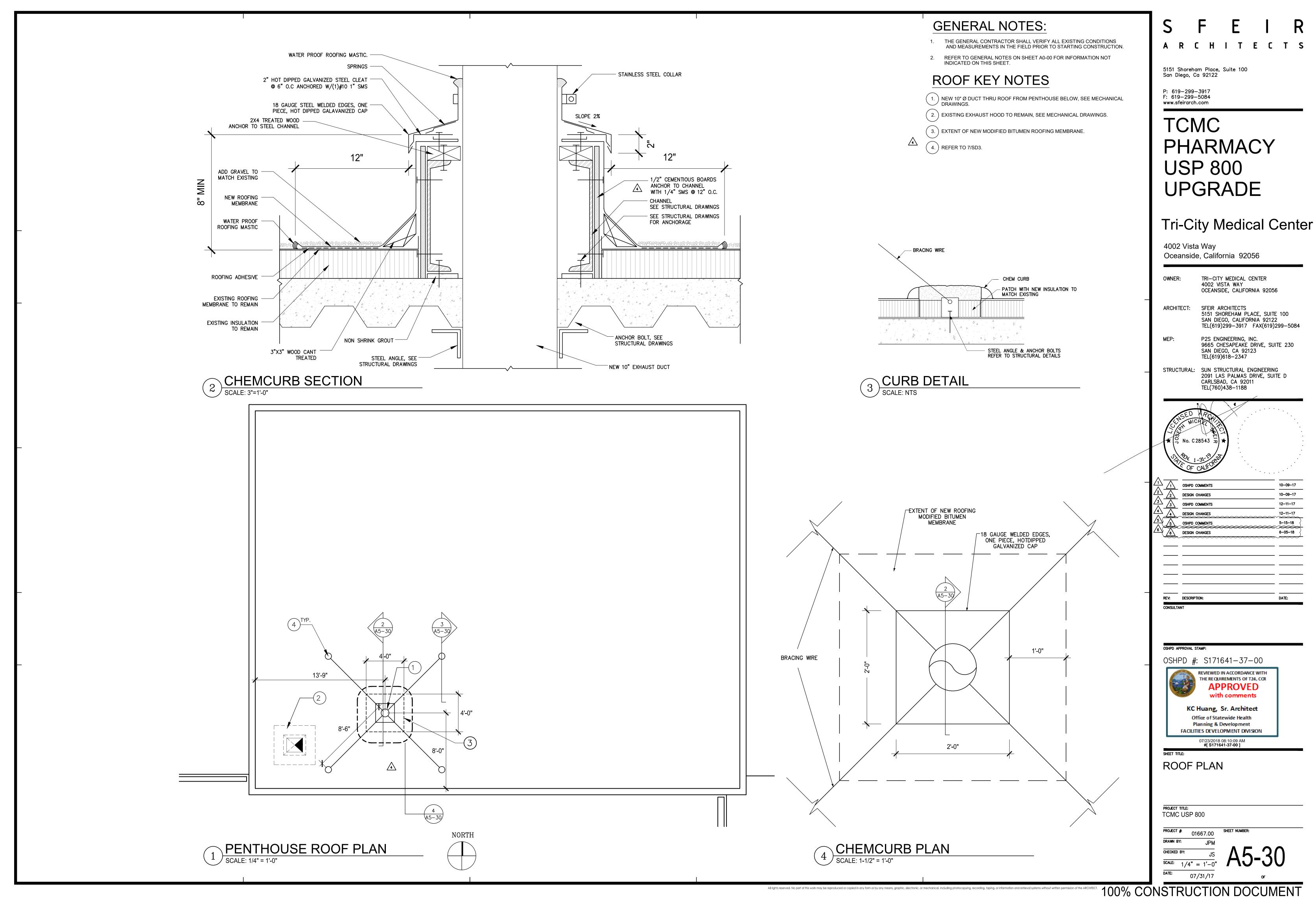
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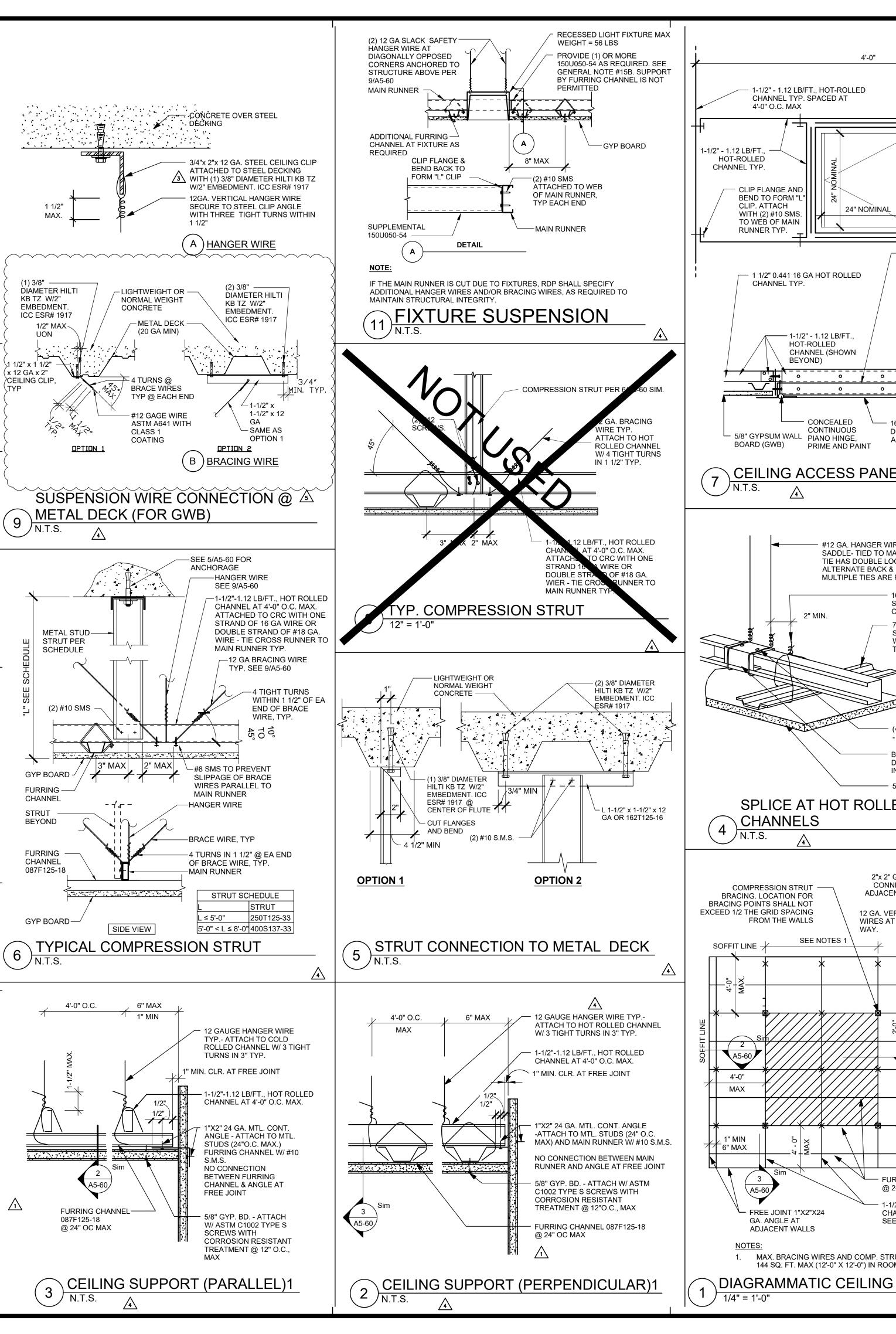
TYPICAL RATED PARTITION ASSEMBLIES

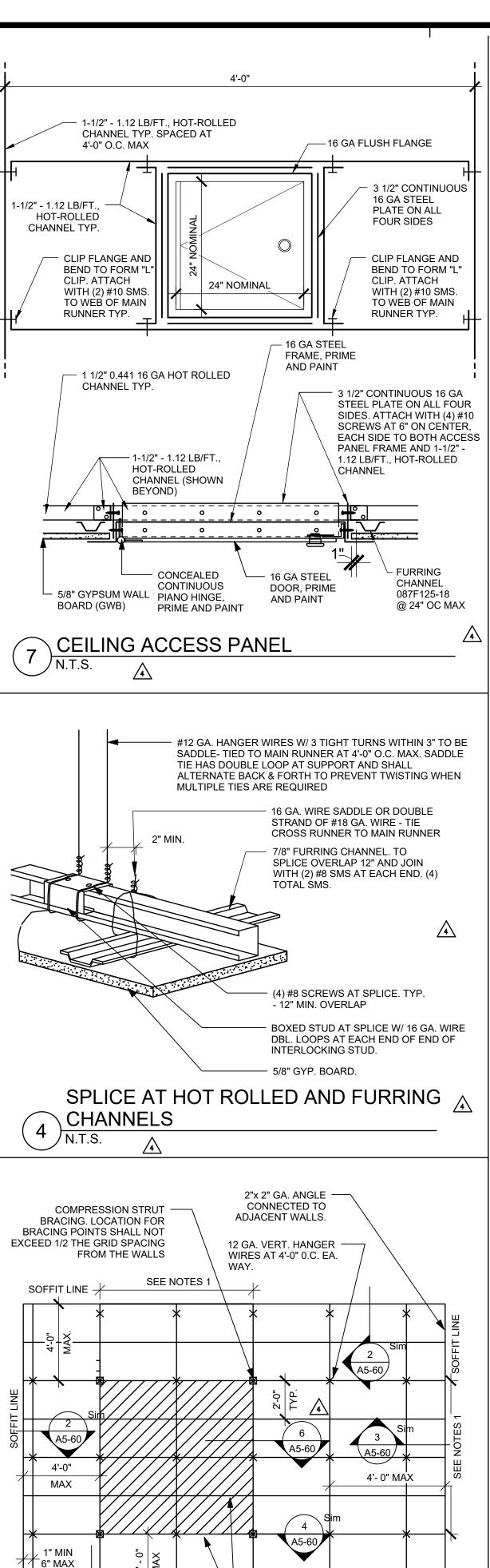
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AS SHOWN 07/31/17







FURRING CHANNEL 087F125-18

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

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

SEE DRYWALL CEILING GENERAL NOTES.

@ 24" OC MAX.

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.

- FREE JOINT 1"X2"X24

ADJACENT WALLS

GA. ANGLE AT

#### **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 2016 AND ASCE 7-10.

- CONSTRUCTION, WORKMANSHIP AND MATERIAL SHALL CONFORM TO THE 2016 CALIFORNIA BUILDING STANDARDS CODE (CBSC 2016).
- 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, 2016 (CBSC 2016). SHOULD ANY CONDITION DEVELOP NOT COVERED BY THE APPROVED CONSTRUCTION DOCUMENTS WHEREIN THE WORK WILL NOT COMPLY WITH CBSC 2016, 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 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 TH**AN**REE EXPOSED THREADS.
- WELDING SHALL BE IN ACCORDANCE WITH AWS D1.3 USING E60XX SERIES ELECTRODES. FIELD WELDING SHALL HAVE SPECIAL INSPECTION IN
- ACCORDANCE WITH 2016 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 2016 CBC SECTIONS 1705A.3 & 1913A.7. FOR QUALIFICATION, DESIGN AND USE OF POST-INSTALLED ANCHORS IN CONCRETE SEE THE 2016 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 SAMÉ 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 2016 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 PAF INSTALLED IN STEEL THE FASTENER PENETRATION SHALL HAVE THE ENTIRE POINTED END OF THE FASTENER DRIVEN THROUGH THE STEEL AGENCIES ACCEPTABLE TO OSHPD. DESIGN CRITERIA
- BUILDING CODE: 2016 CALIFORNIA BUILDING CODE (2016 CBC), ASCE 7-10, AISI S100-07/S2-10, ASTM C754-11. FOR LOAD COMBINATIONS, ALLOWABLE STRESS DESIGN SHALL BE IN ACCORDANCE WITH 2016 **CBC SECTION 1605A.3.1.**
- 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 SHALL VERIFY THE FIRE RESISTANCE AND ACOUSTICAL RATINGS FOR ALL CEILING ASSEMBLIES.
- 9. "CEILING WIRE" SHALL CONFORM WITH GALVANIZED SOFT ANNEALED MILD STEEL 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.
- 10. SUSPENSION SYSTEM COMPONENTS SHALL COMPLY WITH ASTM C754 MAIN RUNNERS SHALL CONSIST OF 1-1/2"-1.12 LB/FT., HOT ROLLED CHANNEL AT 4'-0" OC MAX. MAIN RUNNERS SHALL BE SUPPORTED BY HANGER WIRES AT 4'-0" OC MAX AND WITHIN 6" FROM EACH END.
- 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 S TANDARD 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. 12. EXPANSION JOINTS, SEISMIC SEPARATIONS, AND PENETRATIONS
  - 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

EXPANSION JOINTS SHALL BE PROVIDED IN THE CEILING AT

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
- LATERAL FORCE BRACING: 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 DEGREESFROM 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
- 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
- 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
- WITHIN THE LOOPS.
- SHOULD BE INSTALLED IN SUCH A MANNER THAT THE
- SEPARATE ALL CEILING HANGER AND BRACING WIRES AT LEAST SIX (6) INCHES FROM ALL UNBRACED DUCTS, PIPES CONDUITS, ETC.

POSSIBLE WITH THE DIRECTION OF THE WIRE.

- 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
- 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
- SUPPORTED BY MAIN RUNNERS AND POSITIVELY ATTACHED WITH SCREWS OR OTHER APPROVED CONNECTORS. RUNNER WITH A POSITIVE CLAMPING DEVICE MADE OF 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, 300 SQUARE INCHES. SUCH PANELS SHALL ALSO HAVE A PERMANENT WARNING LABEL AS FOLLOWS:
  - DO NOT CLIMB, WALK, OR CRAWL ON THE GYPSUM BOARD CEILING. DO NOT STORE OR STOW ANYTHING ON THE GYPSUM
- 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. 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
- 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
- FURRING WITH SCREWS AT 12" OC MAXIMUM, IN ACCORDANCE WITH ASTM C840-11. GYPSUM BOARD SHALL BE ATTACHED TO FURRING/FRAMING 1022) SCREWS (NOT LESS THAN, NO. 6, WITH MAJOR

OF THE CEILING. LATERAL FORCE BRACING IS REQUIRED IN ACCORDANCE WITH THIS

- THE SLOPE OF BRACING WIRES MAY BE FROM 10 TO 45
- COMPONENT INDUCED BY THE BRACING WIRES, AND SHALL NOT BE MORE THAN 1 (HORIZONTAL) IN 6 (VERTICAL) OUT OF
- BE TIGHTLY WRAPPED AND SHARPLY BENT TO PREVENT ANY VERTICAL MOVEMENT OR ROTATION OF THE MEMBER
- FASTEN #12 BRACING WIRES WITH FOUR (4) TIGHT TURNS MAKE ALL TIGHT TURNS WITHIN A DISTANCE OF 1 1/2"
- HANGER OR BRACING WIRE ANCHORED TO THE STRUCTURE DIRECTION OF THE ANCHOR ALIGNS AS CLOSELY AS
- HANGER WIRES SHALL NOT BE ATTACHED TO OR BEND
- SPECIFIC DESIGN.
- IN CONCRETE ARE NOT PERMITTED FOR BRACING WIRES.
- 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. ALL FIXTURES SHALL BE SUPPORTED DIRECTLY BY MAIN
  - RUNNERS OR BY SUPPLEMENTAL FRAMING WHICH IS SURFACE MOUNTED FIXTURES SHALL BE ATTACHED TO A MAIN
- SENSORS, ETC. MAY BE ALLOWED IF THE PANEL IS LESS THAN
  - BOARD CEILING.
- ALL FIXTURES WEIGHING GREATER THAN 56 LB SHALL BE
- SUSPENSION SYSTEM.
- CEILINGS THAT ARE PART OF A FIRE RATED ASSEMBLY: PROVIDEA 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 C840-1 GYPSUM BOARD SHALL CONSIST OF SINGLE-PLY 5/8" THICK IN ACCORDANCE WITH ASTM C11-10a. GYPSUM BOARD SHALL BE INSTALLED PERPENDICULAR TO
  - WITH ASTM C1002-07 TYPE S (ASTM A568-11b GRADES 1018 TO DIAMETER NOT LESS THAN 0.136 IN).

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San Diego, Ca 92122

## TCMC PHARMACY **USP 800 UPGRADE**

## Tri-City Medical Center

4002 Vista Way Oceanside, California 92056

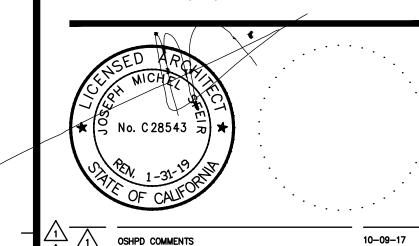
TRI-CITY MEDICAL CENTER 4002 VISTA WAY OCEANSIDE, CALIFORNIA 92056

SFEIR ARCHITECTS 5151 SHOREHAM PLACE, SUITE 100 SAN DIEGO, CALIFORNIA 92122

TEL(619)299-3917 FAX(619)299-5084 P2S ENGINEERING, INC. 9665 CHESAPEAKE DRIVE, SUITE 230 SAN DIEGO, CA 92123

TEL(619)618-2347

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



DESIGN CHANGES	10-09-17
OSHPD COMMENTS	12-11-17
DESIGN CHANGES	12-11-17
OSHPD COMMENTS	5-15-18
DESIGN CHANGES	6-05-18
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DESCRIPTION:	DATE:
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OSHPD APPROVAL STAMP:

OSHPD #: S171641-37-00



Planning & Development FACILITIES DEVELOPMENT DIVISION 07/23/2018 08:10:09 AM **#[ \$171641-37-00 ]** 

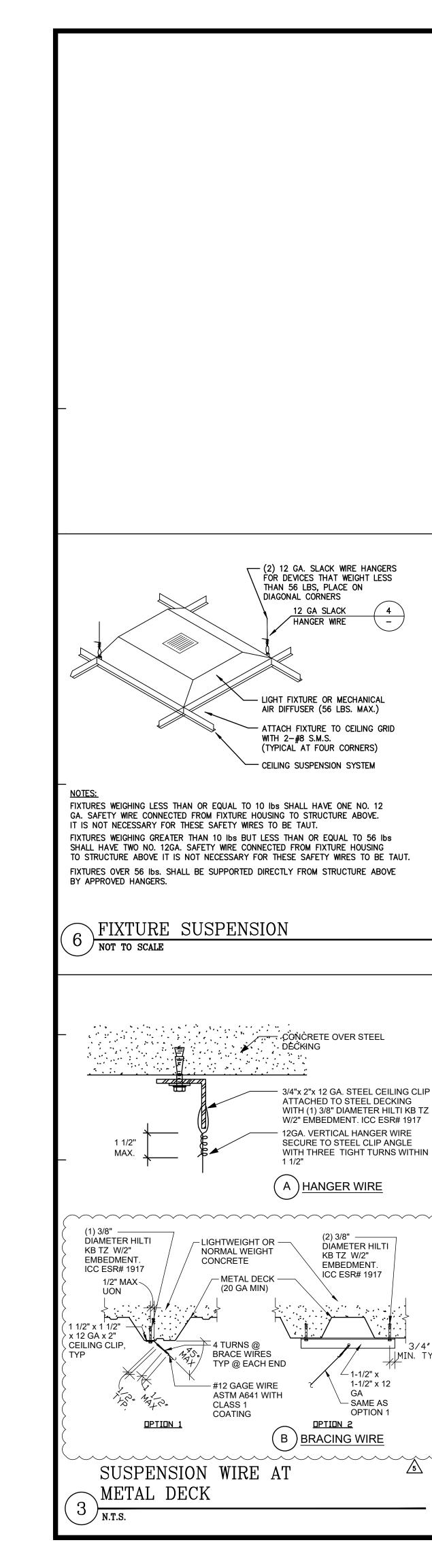
Office of Statewide Health

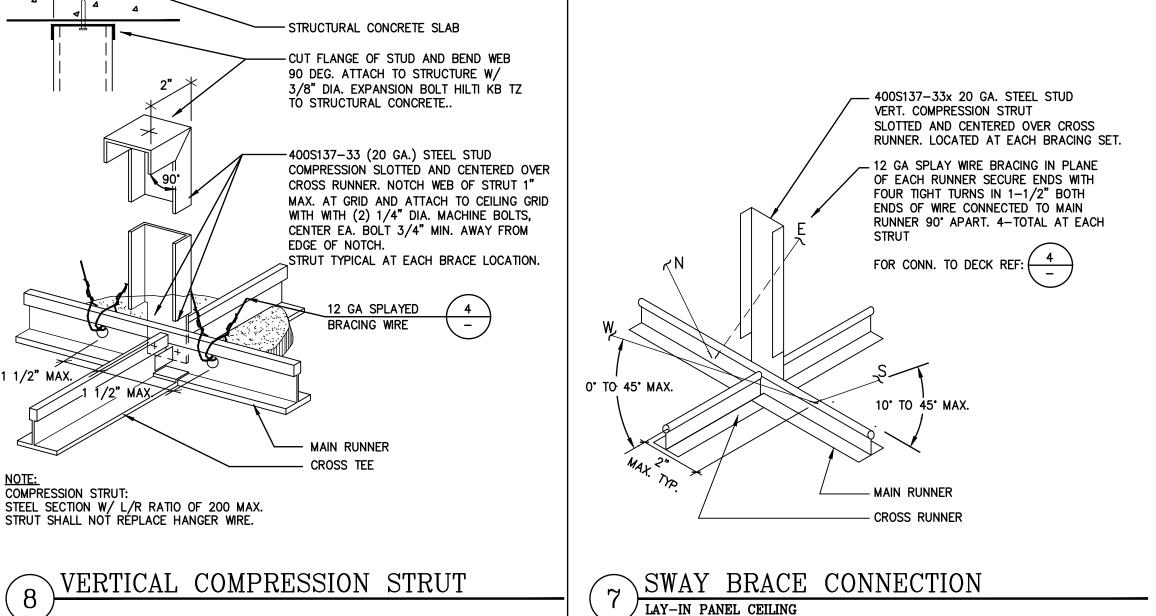
**GYPSUM CEILING DETAILS** 

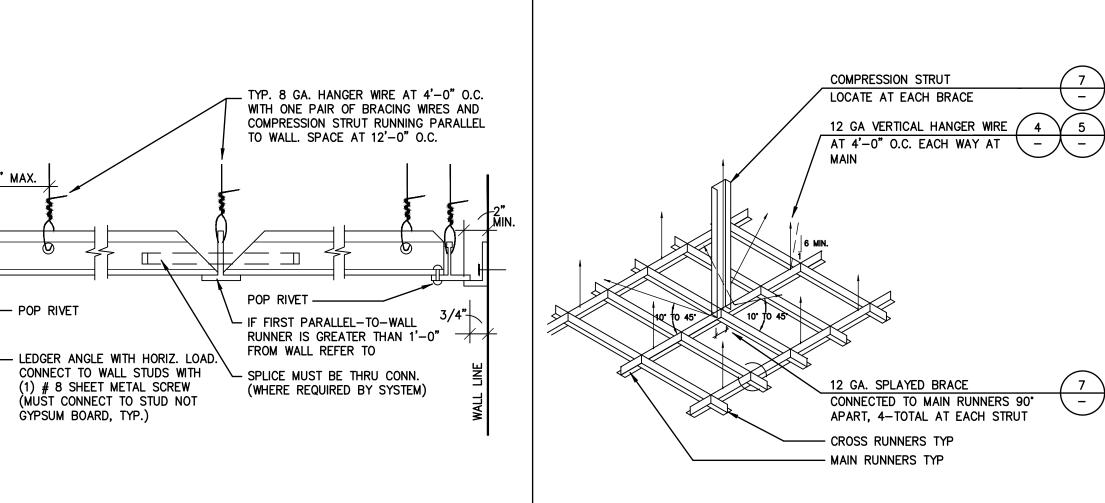
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PROJECT #: 01593.00 01667.00

As indicated DATE: 08/03/16 07/31/17







SECT.ACROSS COOR./EXP JOINT

INCHES OF THE SUPPORT OR WITHIN ONE-FOURTH (1/4) OF THE LENGTH OF THE END TEE, WHICHEVER

NAILS AT ENDS OF HORIZONTAL STRUTS ARE TO BE PLACED WITH NAIL HEAD TOWARD CENTER LINE OF

SPACERS MAY BE SLOTTED APPROVED ANGLES OR CHANNELS WITH "DIAMOND POINTS" OF SPRING STEEL

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

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.

WHICH SNAP TIGHT TO PREVENT MOVEMENT OF STRUT.

SUSPENDED GYPSUM BOARD

HORIZONTAL SLIP JOINT

8" MAX

----- WALL LINE

SEE NOTE 1

NOTES:

MIN. TYF

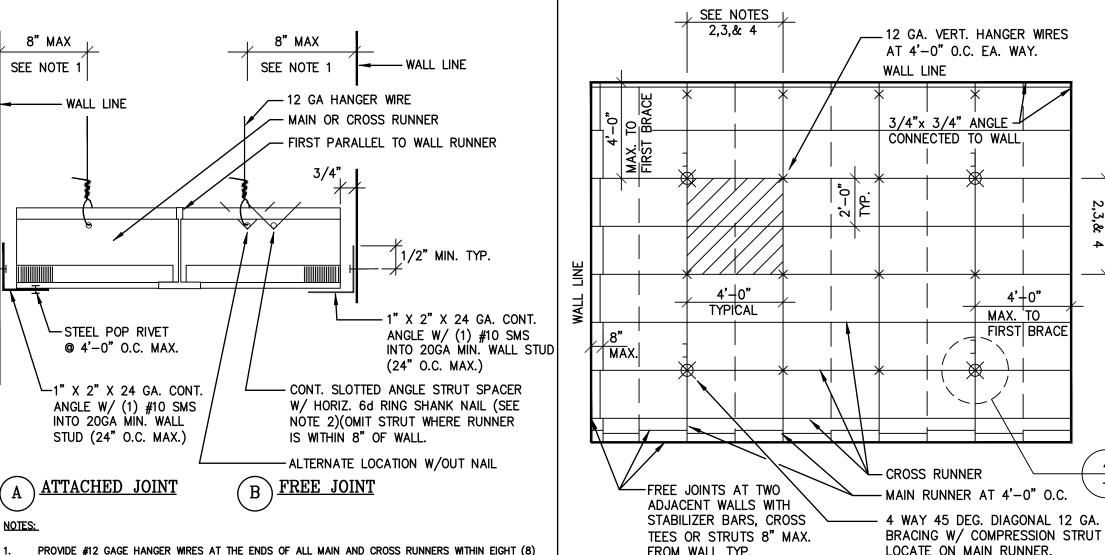
∕_ 1-1/2" x

1-1/2" x 12

— SAME AS

OPTION 1

CEILING GRID ATTACHMENT LAY-IN PANEL CEILING



LAY-IN CEILING

4 WAY 45 DEG. DIAGONAL 12 GA. WIRE BRACING W/ COMPRESSION STRUT LOCATE ON MAIN RUNNER. FROM WALL TYP. TYPICAL 2X4 LAY-IN ACOUSTIC TILE CEILING SHOWN SOLID, 2X2 SHOWN DASHED. BRACING WIRES AND COMP. STRUT SHALL OCCUR AT EVERY 64 SQ. FT. MAX. IN ROOMS OVER 64 SQ. FT. - IN GEOGRAPHIC LOCATIONS WHERE: 1.73 < SDS ≤ 2.50. BRACING WIRES AND COMP. STRUT SHALL OCCUR AT EVERY 96 SQ. FT. MAX. IN ROOMS OVER 96 SQ. FT. - IN GEOGRAPHIC LOCATIONS WHERE: 1.15 < SDS ≤ 1.73. BRACING WIRES AND COMP. STRUT SHALL OCCUR AT EVERY 144 SQ. FT. MAX. IN ROOMS OVER 144 SQ. FT. — IN GEOGRAPHIC LOCATIONS WHERE: SDS  $\leq$  1.15.

SDS VALUE OF PROJECT FOUND ON STRUCTURAL SHEETS. (THIS PROJECT= 0.76) DIAGRAMATIC CEILING PLAN

#### **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

#### GENERAL NOTES:

- METAL SUSPENSION SYSTEMS FOR LAY-IN PANEL CEILINGS
- CONSTRUCTION, WORKMANSHIP AND MATERIAL SHALL CONFORM TO THE 2016 CALIFORNIA BUILDING STANDARDS CODE (CBSC 2016).
- 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, 2016 (CBSC 2016). SHOULD ANY CONDITION DEVELOP NOT COVERED BY THE APPROVED CONSTRUCTION DOCUMENTS WHEREIN THE WORK WILL NOT COMPLY WITH CBSC 2016, 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 A STM A653-11 MATERIAL, OR OTHER EQUIVALENT ASTM LISTED MATERIALS IN SECTION A2.1 OF THE AISI SIOO-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.
- THESE OPD REFER TO FASTENER TYPE AND SIZE BUT DO NOT SPECIFY OR ENDORSE A SPECIFIC MANUFACTURER. THE RDP IN RESPONSIBLE CHARGE SHALL SELECT A MANUFACTURER AND 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 AND ALLOWABLE STRENGTH SHALL BE BASED ON INFORMATION PROVIDED IN CL1.31 AND CL1.32. 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 2016 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 2016 CBC SECTIONS 1705A.3 & 1913A.7. FOR QUALIFICATION, DESIGN AND USE OF POST-INSTALLED ANCHORS IN CONCRETE SEE THE 2016 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 SAMÉ 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 2016 CBG 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.
- e. 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
- a. BUILDING CODE: 2016 CALIFORNIA BUILDING CODE (2016 CBC). ASCE 7-10, AISI S100-07/S2-10, ASTM E580-11b, C635-12, AND C636-08. FOR LOAD COMBINATIONS, ALLOWABLE STRESS DESIGN SHALL BE IN ACCORDANCE WITH 2016 CBC SECTION 1605A.3.1 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 LOADS. EVALUATION OF THE CAPACITY OF THESE SUPPORTING BUILDING
- ELEMENTS IS BEYOND THE SCOPE OF THE OPD. THIS OPD 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 ARE OUTSIDE THE SCOPE OF THIS OPD AND 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 TENSILE STRENGTH:
- 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.
- O. SUSPENSION SYSTEM COMPONENTS SHALL COMPLY WITH ASTM C635 AND E580 SECTION 5.1: THE CEILING GRID SYSTEM SHALL BE RATED HEAVY DUTY AS DEFINED
  - BY ASTM C635. 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. 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.
- 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 AND ARE OUTSIDE THE SCOPE OF THIS OPD.
- 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: a. 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.
- 13. 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

- a. PROVIDE LATERAL-FORCE BRACING ASSEMBLIES CONSISTING OF A STRU AND FOUR (4) #12 GAGE BRACING WIRES ORIENTED 90 DEGREES FROM EACH OTHER. LATERAL-FORCE BRACING ASSEMBLIES SHALL BE SPACED IN
- ACCORDANCE WITH 1/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
- 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:

WIRES SHALL BE TAUT.

TESTED FOR 440 LBS.

- FASTEN #12 HANGER WIRES WITH NOT LESS THAN THREE (3) TIGHT URN IN 3 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 B 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)
- NCHES 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
- f. HANGER WIRES THAT ARE MORE THAN 1 (HORIZONTAL) IN 6 (YERTICAL)
- 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
- 15. CEILING FIXTURES, TERMINALS, AND DEVICES: a. 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 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. 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:

- CEILINGS THAT ARE PART OF A FIRE RATED ASSEMBLY: PROVIDE A DETAIL AND DESIGN NUMBER FOR RATED CEILING ASSEMBLIES FROM A 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 NO ACCEPTABLE UNLESS SPECIFICALLY DETAILED ON THE DRAWINGS AND APPROVED BY APPROVED TESTING AGENCY.
- METAL AND OTHER PANELS: METAL PANELS AND PANELS WEIGHING MOF THAN 1/2 PSF, OTHER THAN MINERAL FIBER ACOUSTICAL TILE, ARE TO BE POSITIVELY ATTACHED TO THE CEILING SUSPENSION RUNNERS. 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 2016 CBC SECTION 1616A.1.20. SPLICES OR INTERSECTION OF RUNNERS SHALL BE ATTACHED WITH THROUGH CONNECTORS SUCH AS POP RIVETS, SCREWS, PINS, PLATES WITH END TABS OR OTHER APPROVED CONNECTORS.

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## TCMC PHARMACY **USP 800 UPGRADE**

## **Tri-City Medical Center**

4002 Vista Way Oceanside, California 92056

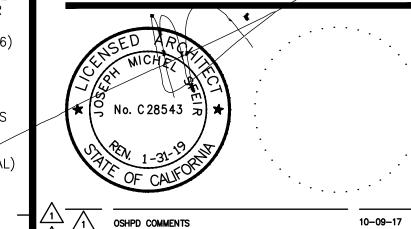
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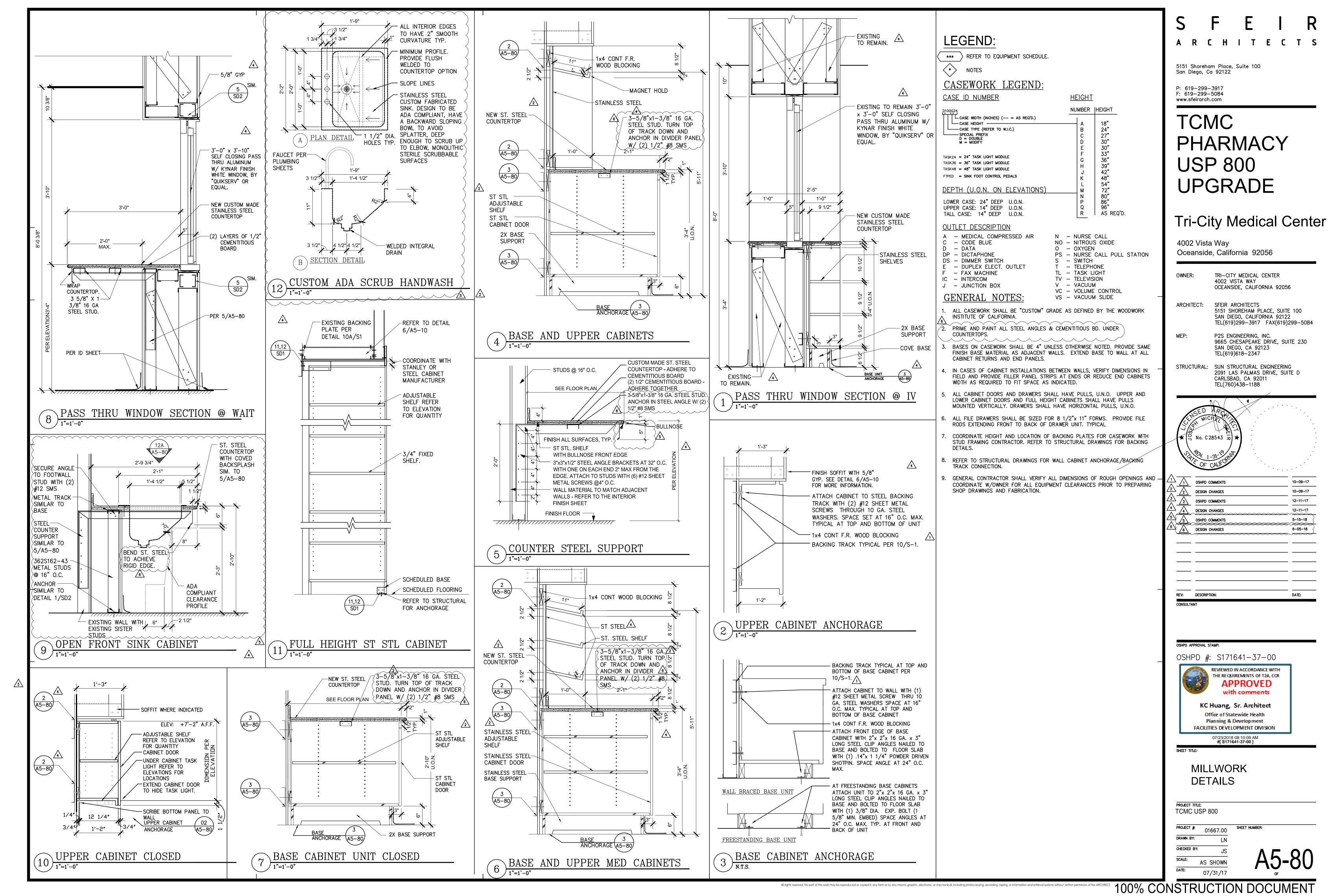
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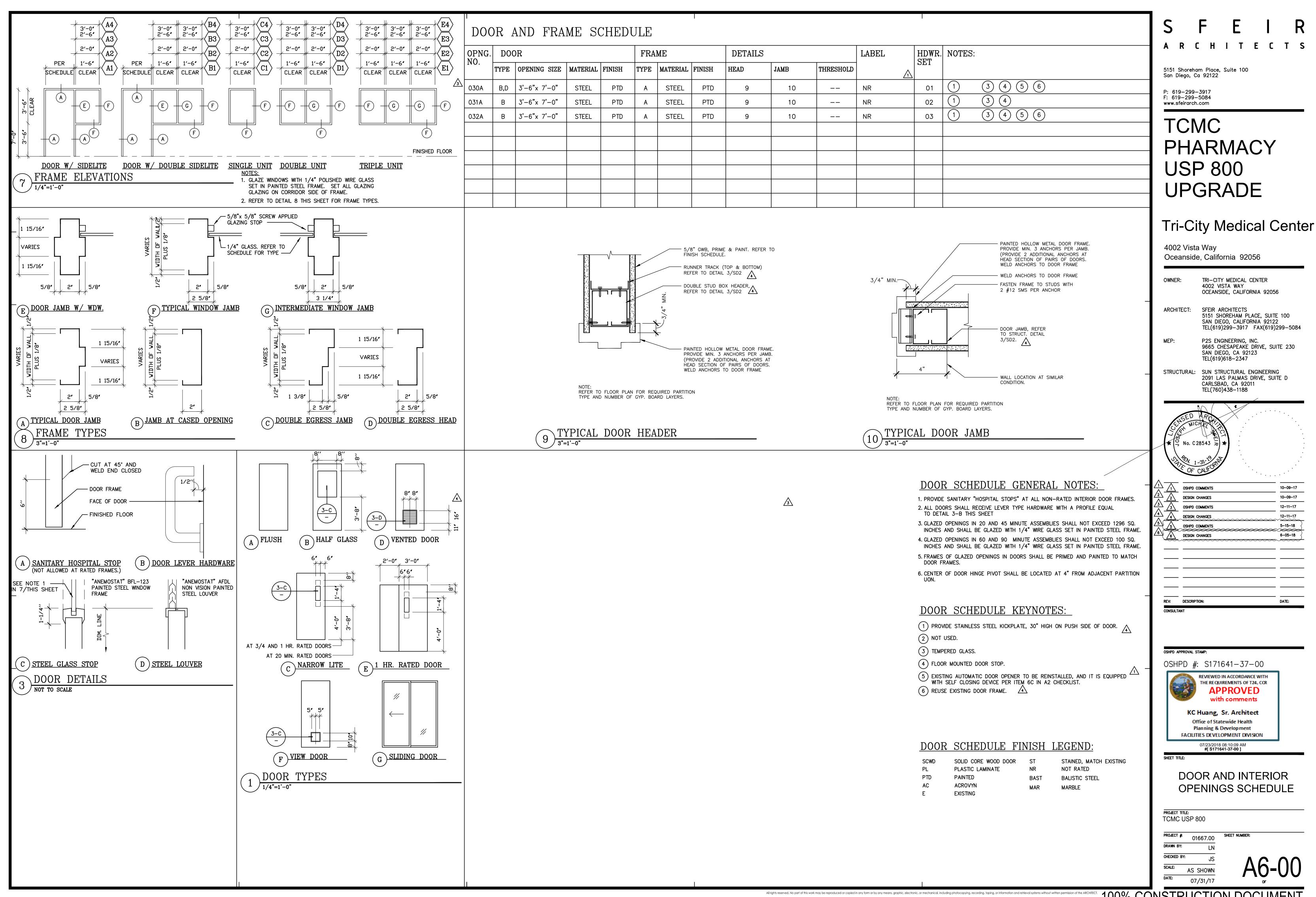
LAY-IN CEILING **DETAILS** 

TCMC USP 800

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AS SHOWN 07/31/17

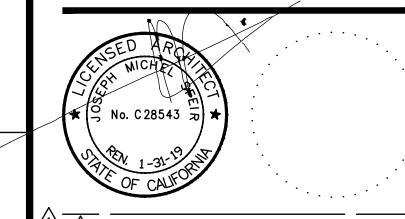




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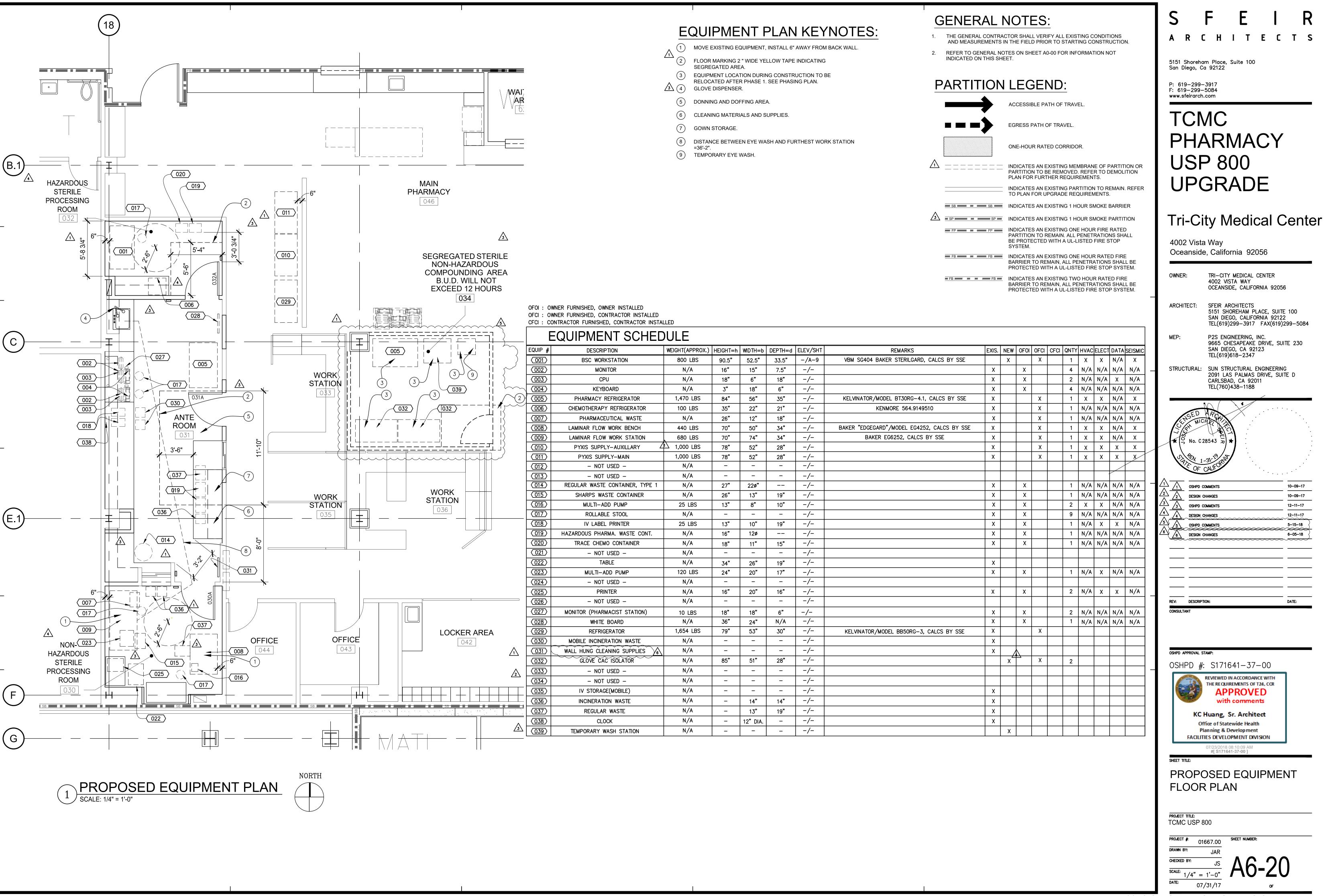
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9665 CHESAPEAKE DRIVE, SUITE 230



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DOOR AND INTERIOR



SAN DIEGO, CALIFORNIA 92122 TEL(619)299-3917 FAX(619)299-5084 P2S ENGINEERING, INC.

TRI-CITY MEDICAL CENTER

OCEANSIDE, CALIFORNIA 92056

5151 SHOREHAM PLACE, SUITE 100

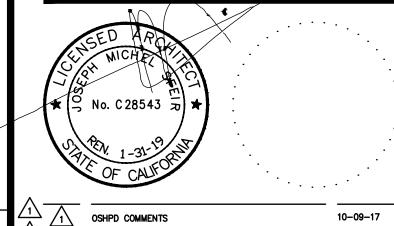
9665 CHESAPEAKE DRIVE, SUITE 230

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Office of Statewide Health

Planning & Development FACILITIES DEVELOPMENT DIVISION 07/23/2018 08:10:09 AM **#[ \$171641-37-00 ]** 

PROPOSED EQUIPMENT **FLOOR PLAN** 

TCMC USP 800

#### I.D. KEYNOTES:

REUSE EXISTING THRESHOLD.

PRIME AND PAINT DOOR FRAME CRASH RAILS PER DETAIL 4/ID-2. WP-2.

#### FINISH LEGEND:

 $\sqrt{3}$ 

(C)

**HAZARDOUS** 

STERILE

**PROCESSING** 

ROOM

ANTE

ROOM

NON-

HAZARDOUS

STERILE

**PROCESSING** 

ROOM

NEW FINISH PLAN

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NEW

(C-1)

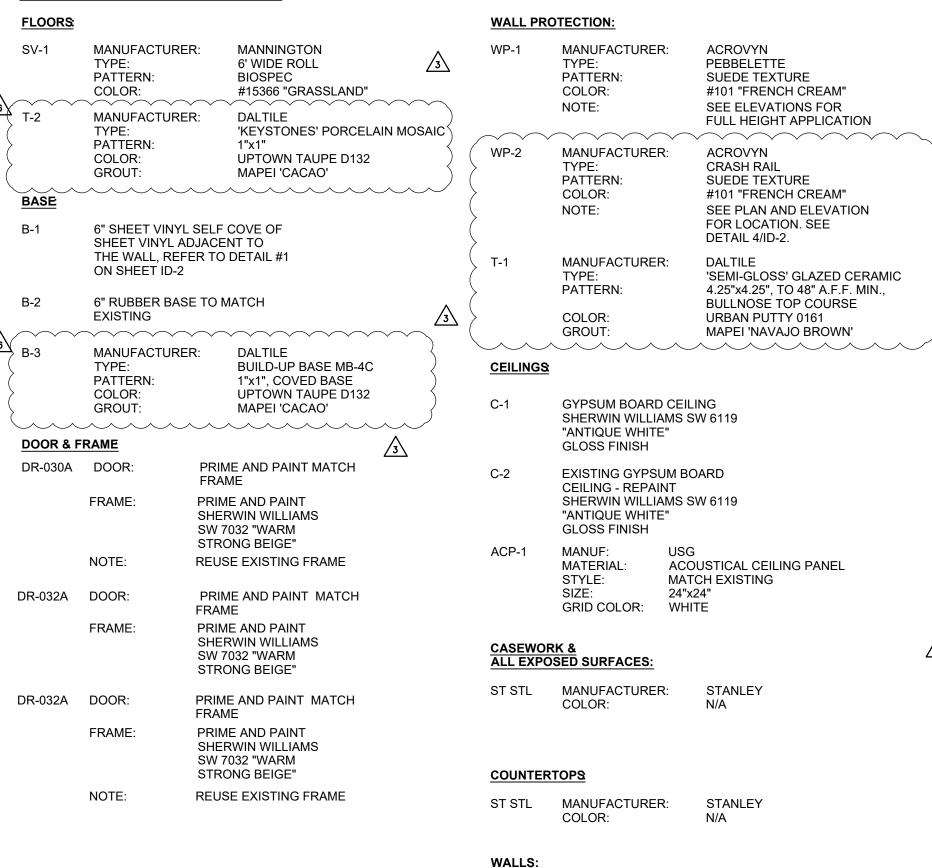
**EXISTING** 

NORTH

^^^^^

NEW BATHROOM FINISH PLAN

_____



#### WALLS:

MANUFACTURER: TYPE: COLOR:

#### SEMI-GLOSS #8211 "SANDY LANE" **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 PLAN FOR FURTHER REQUIREMENTS

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

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

PARTITION TO REMAIN. ALL PENETRATIONS SHALL

ABOVE. ALL PENETRATIONS SHALL BE PROTECTED

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

FP FP FP INDICATES AN EXISTING ONE HOUR FIRE RATED

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

■ SB ■ ■ ■ SB ■ INDICATES A NEW 1 HOUR SMOKE BARRIER INDICATES A NEW 1 HOUR SMOKE PARTITION

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

INDICATES A NEW ONE HOUR RATED FIRE PARTITION

WITH A UL-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 A5-10.

#### PARTITION NOTES:

- ALL DIMENSIONS SHOWN ARE TO FINISHED FACE OF GYP. BOARD, TYPICAL U.O.N. REFER TO SHEET A5-10 FOR GENERAL NOTES AND REQUIREMENTS FOR PARTITIONS.
- EXISTING WALLS 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.

#### **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.

#### FINISH PLAN GENERAL NOTES:

- 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.
- REFER TO ENLARGE FLOOR PLANS FOR CORNER GUARDS,
- REFER TO INTERIOR ELEVATIONS AND SHEET A5-80 FOR ALL CASEWORK FINISHES.

CRASH RAIL AND CHAIRD RAIL LOCATONS.

- 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.
- 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 TO RECEIVE INSTRUCTIONS ON HOW TO PROCEED.
- 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 ID-2. ALL TRANSITIONS LOCATED UNDER DOORS, TO BE CENTERED UNDER DOOR.

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.

DOOR SWING: CONTRACTOR SHALL INSTALL ALL NEW FLOORING

- 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

- 13. 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:**

FINISHES ON SLAB ON GRADE.

15. PAINT FINISHES (SHEEN) AS FOLLOWS: WALLS: EGGSHELL SHEEN EXCEPTIONS SIMI 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. NOT USED.

23. SHOP DRAWINGS SHALL BE SUBMITTED FOR ALL CASEWORK AND MILL WORK.

#### **FLAME SPREAD:**

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

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## TCMC PHARMACY **USP 800 UPGRADE**

## Tri-City Medical Center

4002 Vista Way Oceanside, California 92056

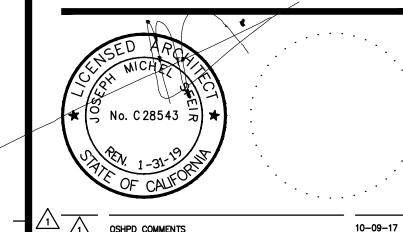
TRI-CITY MEDICAL CENTER 4002 VISTA WAY OCEANSIDE, CALIFORNIA 92056

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4	4	DESIGN CHANGES	12-11-17
5	5	OSHPD COMMENTS	5-15-18
6	<u>6</u>	DESIGN CHANGES	6-05-18
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OSHPD #: S171641-37-00



Office of Statewide Health Planning & Development FACILITIES DEVELOPMENT DIVISION

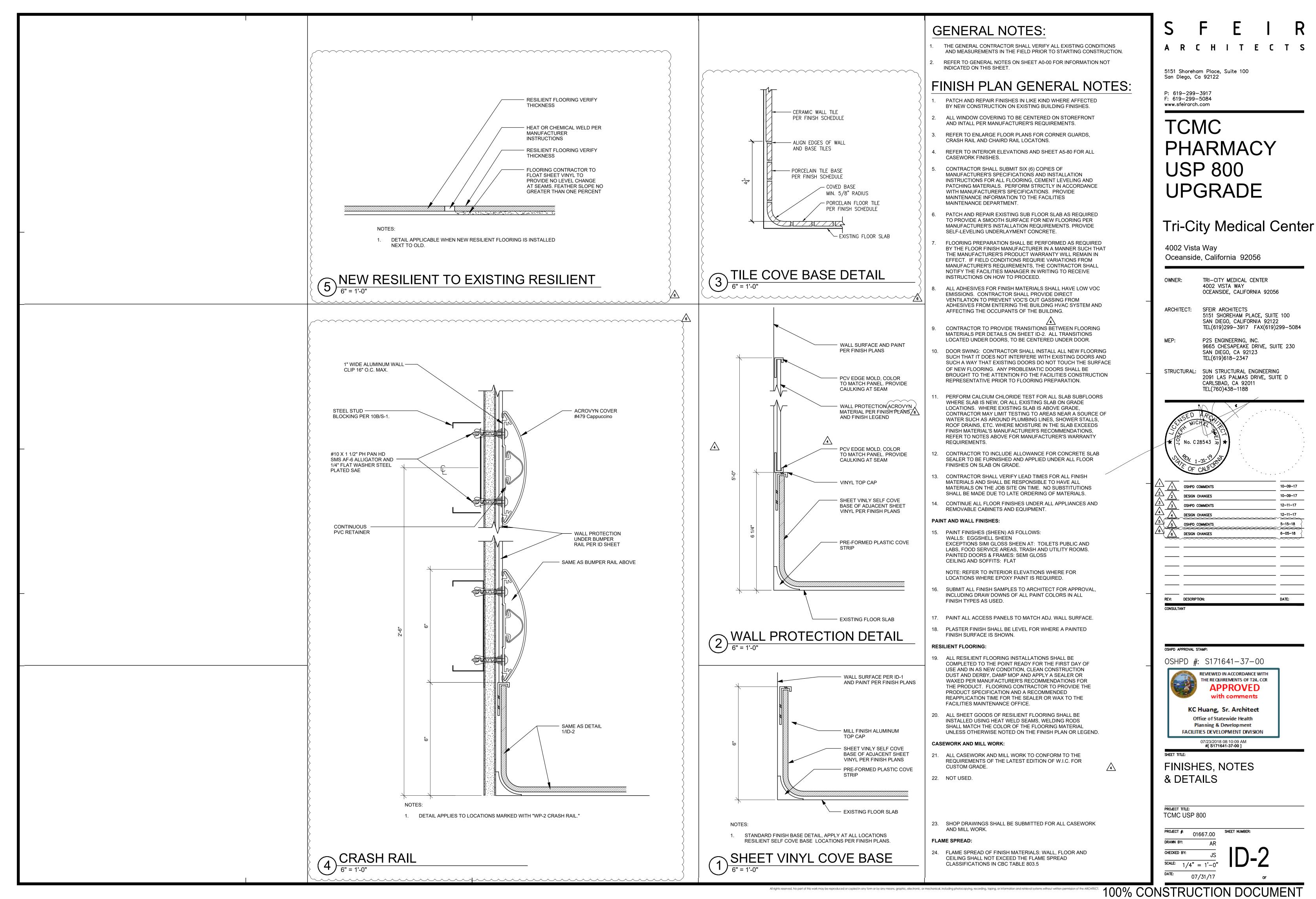
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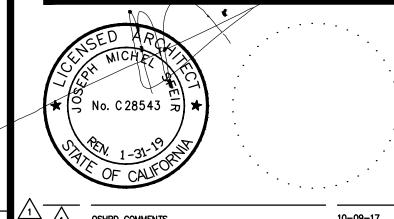
NEW FINISHES PLAN

TCMC USP 800

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100% CONSTRUCTION DOCUMENT





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#### **GENERAL NOTES** 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 ISSUED BY THE ALS! 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 STRUCTURAL LIGHT GAUGE STUDS, TRACK, BRIDGING, AND ACCESSORIES SHALL COMPLY WITH STEEL STUD MANUFACTURERS ASSOCIATION ICC ES ESR# 3064P 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 STRUCTURAL LIGHT GAUGE CH STUDS, J RUNNER TRACK, AND ACCESSORIES SHALL COMPLY WITH DIETRICH REQUIREMENTS SHALL BE CORRECTED BY THE ARCHITECT AND STRUCTURAL METAL FRAMING ICC-ESR# 1166P 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 MISTER TO THE SITE BY THE ARCHITECT AND STRUCTURE. DESERVATION 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 VISITS TO THE SITE BY THE ARCHITECT AND STRUCTURAL ENGINEER SHAL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS AND DOES NOT RELIEVE THE CONTRACTOR'S RESPONSIBILITIES. 4. FRAMING SHALL BE ERECTED PLUMB, LEVEL AND SQUARE. BRIDGING AND DIAGONAL TENSION STRAPS SHALL BE USED. 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 5. TEMPORARY BRACING SHALL BE PROVIDED AS REQUIRED UNTIL ERECTION IS COMPLETE AND SAFELY SECURED TO STRUCTURE.

ENFORCE SAFETY MEASURES OR REGULATIONS.

EXPANSION ANCHOR BOLTS

ANCHOR TYPE

ANCHOR TYPE

3/8"ø HILTI KB TZ ANCHOR 25 FT-LBS

DAMAGING THE TENDONS DURING INSTALLATION.

MINIMUM ANCHOR EMBEDMENT SHALL BE 2" FOR 3/8"ø, (INSTALLED IN NORMAL WT. CONCRETE WITH fc' = 3000 PSI)

3/8"ø HILTI KB TZ

ANCHORS.

EPOXY ANCHOR

WITHDRAWING BY THE FIXTURE.

A). HYDRAULIC RAM METHOD:

1. WEDGDE OR SLEEVE TYPE:

PER CBC 2016, 1910A.5.

INSTALLED ANCHORS:

5. NOTES AND DETAILS ON THE DRAWINGS SHALL TAKE PRECEDENCE OVER THE GENERAL NOTES AND TYPICAL DETAILS. DIMENSIONS SHALL TAKE PRECEDENCE

6. ALL WORKS SHALL CONFORM TO THE STANDARDS OF THE 2016 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 CONSTRUCTION DOCUMENTS.

AND REPAIR OF ADJACENT EXISTING SURFACES AND AREAS WHICH MAY BE DAMAGED AS A RESULT OF NEW WORK.

1. ALL FIELD INSTALLED CONCRETE EXPANSION ANCHORS SHALL BE HILTI KB-TZ

TORQUE

ICC-ES ESR#

1917

9. CONTRACTOR SHALL PROVIDE AND BE RESPONSIBLE FOR THE PROTECTION

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

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

MAINTAIN 1" MINIMUM CLEARANCE BETWEEN EXISTING REINFORCEMENT AND THE

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

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

APPROVED TESTING LABORATORY IN ACCORDANCE WITH STANDARD

TEST EQUIPMENT INCLUDING TORQUE WRENCHES SHALL BE CALIBRATED BY AN

TEST METHODS; THE FOLLOWING CRITERIA APPLY FOR THE ACCEPTANCE OF

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.

ANCHORS TESTED WITH A CALIBRATED TORQUE WRENCH MUST ATTAIN THE

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

TESTING SHOULD OCCUR 24 HOURS MINIMUM AFTER INSTALLATION OF THE

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

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

MINIMUM OF 50% OF THE INSTALLED ANCHOR SHALL BE TESTED. (ALTERNATE

ONE QUARTER (4) TURN OF THE SCREW AFTER INITIAL SEATING OF THE

TORQUE. ANCHOR DIAMETER REFERS TO THE THREAD SIZE.

SPECIFIED TORQUE WITHIN  $\frac{1}{2}$  TURN OF THE NUT. EXCEPTIONS:

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

OVER SCALES SHOWN ON THE DRAWINGS IN CASE OF CONFLICT.

MEMBER DEPTH:		FLANGE WI	DTH:	
3.62" = 362x1/100  INCHES		2" = 200x	1/100 INCHES	
ALL MEMBER DEPTHS ARE TAKEN	N IN 1/100 INCHES	ALL FLANG	É WIDTH ARE TAKEN	I
FOR ALL "T" SECTIONS MEMBER	DEPTH IS THE	IN 1/100 IN	NCHES	
INSIDE TO INSIDE DIMENTION	/	,		
\				
	(362)(S)(162) -	- (54)		
		M	MATERIAL THICKNESS	:
			0.054" = 54  MILS  (1)	
<del>-</del>	TYLE:		MATERIAL THICKNESS	
	= STUD OR JOIST SECTION		MIN. BASE METAL TH	
Т	= TRACK SECTIONS		REPRESENTS 95% OF	THE
		D	ESIGN THICKNESS	
<u>E</u> )	XAMPLE			
001 5 50			D.T. E.O.	1
COLD-FO	RMED STEEL STUDS	S PROPE	RHES	
				1

6. COLD-FORMED STEEL YIELD STRENGTH (fy) IS 33 KSI.

IDENTIFICATION OF SSMA PRODUCTS

<u>C(</u>	DLD-FORMED	<u>STEEL STUDS</u>	PROPERTIES
IDENTIFICATION	MEMBER DEPTH	FLANGE WIDTH	MATERIAL THICKNESS
362S162-43	3.62"	1.625"	18 GA.
362S162-54	3.62"	1.625"	16 GA.
362T125-43	3.62"	1.25"	18 GA.
400S162-43	4"	1.625"	18 GA.
600T125-54	6"	1.25"	16 GA.
250S125-54	2.5"	1.25"	16 GA.
250T125-54	2.5"	1.25"	16 GA.

362S162-43	3.62"	1.625"	18 GA.
362S162-54	3.62"	1.625"	16 GA.
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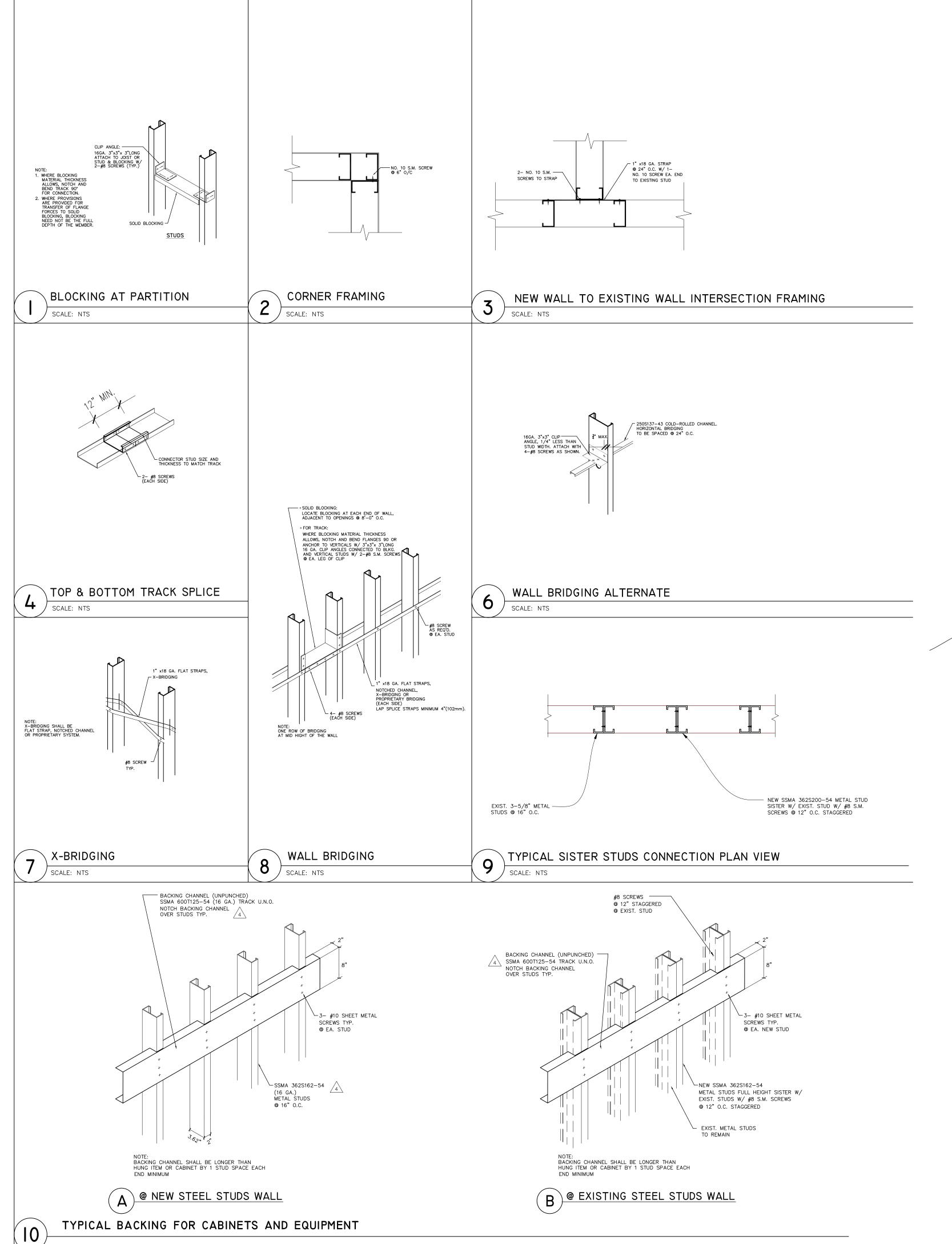
STEEL BOLT ASTM A307	
ALL STEEL MEMBERS TO BE PRIME PAINTED.	
SEISMIC LOAD	
SITE LOCATION: LONGITUDE: 117.29178* WEST, LATITUDE: 33.18425* N	ORTH
DESIGN SPECTRAL RESPONSE ACCLERATION: $S_{DS}$ = 0.760, $S_{D1}$ = 0.435	

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

STEEL PLATE ASTM A36

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

SEISMIC IMPORTANCE FACTOR, Ip = 1.5SEISMIC FORCE COEFFICIENTS:  $a_p = 1.0, R_P = 2.5$ SEISMIC DESIGN CATEGORY "D"





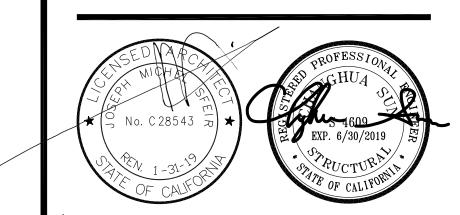
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TRI-CITY MEDICAL CENTER OWNER: 4002 VISTA WAY OCEANSIDE, CALIFORNIA 92056

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4	DESIGN CHANGES	12-11-17
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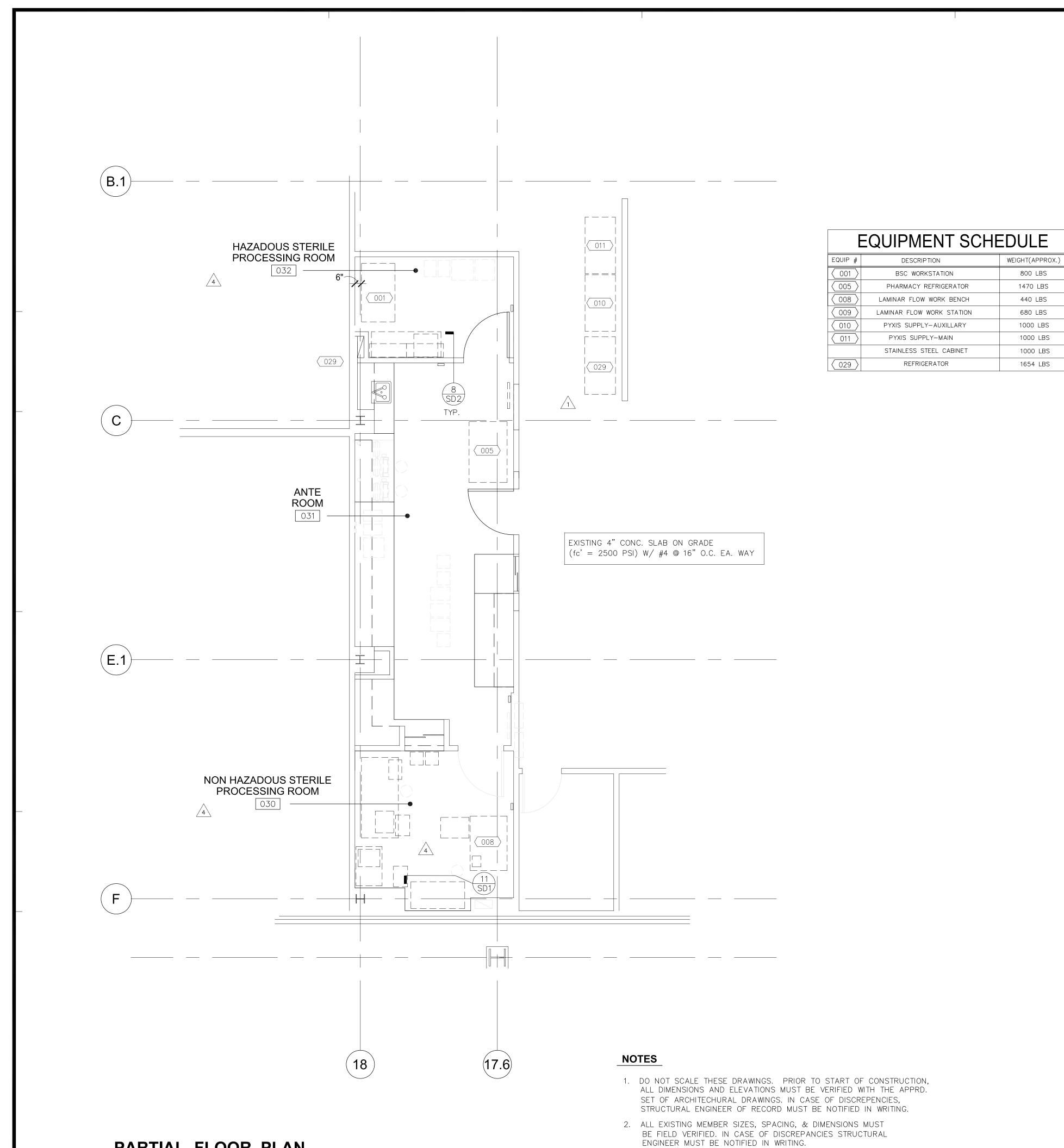
FACILITIES DEVELOPMENT DIVISION 07/23/2018 08:10:09 AM #[ **S171641-37-00** ]

GENERAL NOTES TYPICAL DETAILS

TCMC USP 800 PROJECT #: SHEET NUMBER: 01667.00 DRAWN BY: CHECKED BY:

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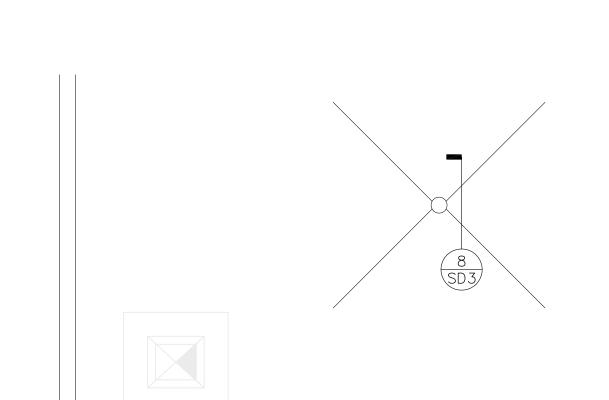
PARTIAL FLOOR PLAN

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



3. THE EXISTING FLOOR FRAMING PLAN IS BASED ON THE STATE DEPT. OF HEALTH FACH CONSTR. SECT. APPROVED

STRUCTURAL DRAWING, APPROVAL# H0161

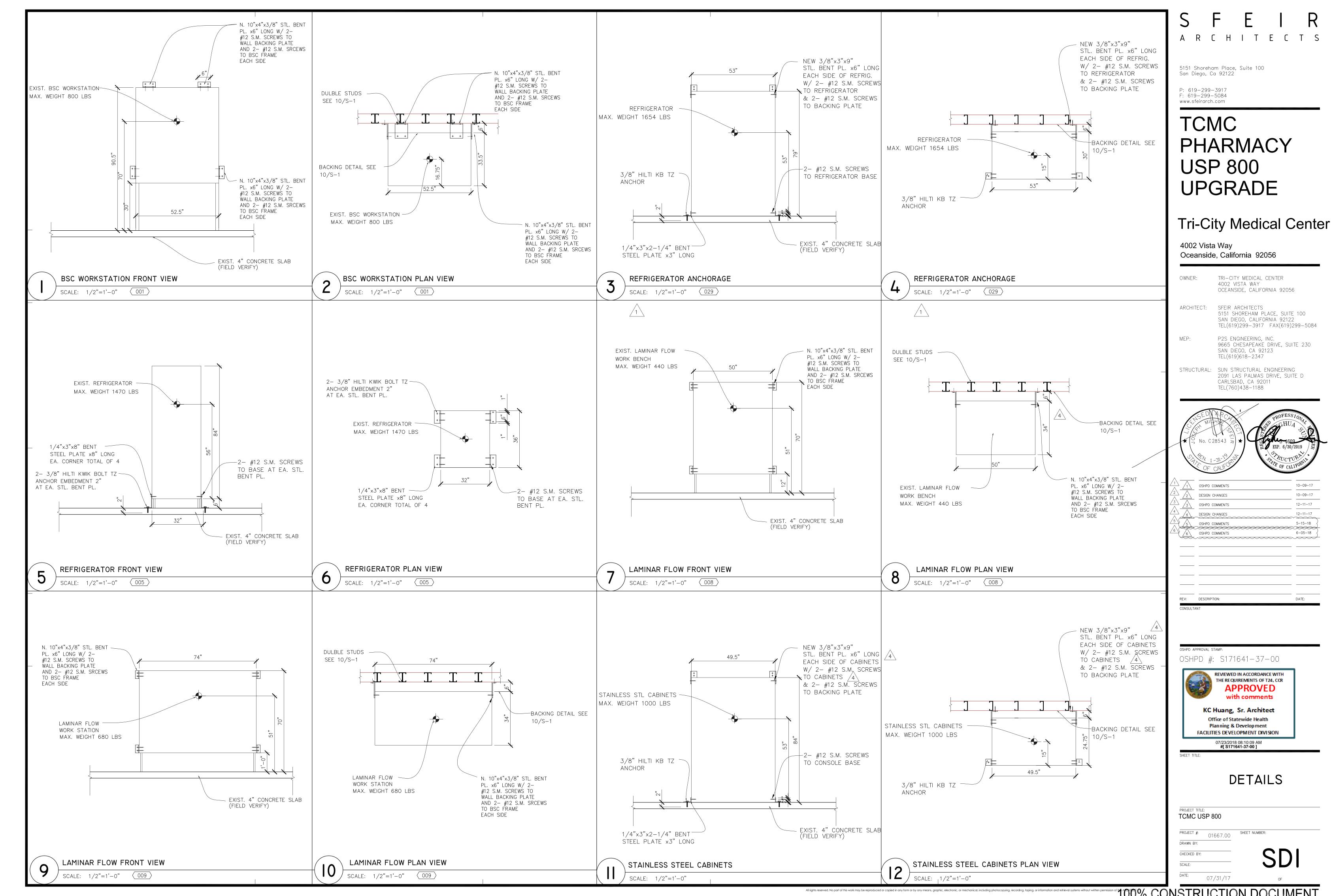


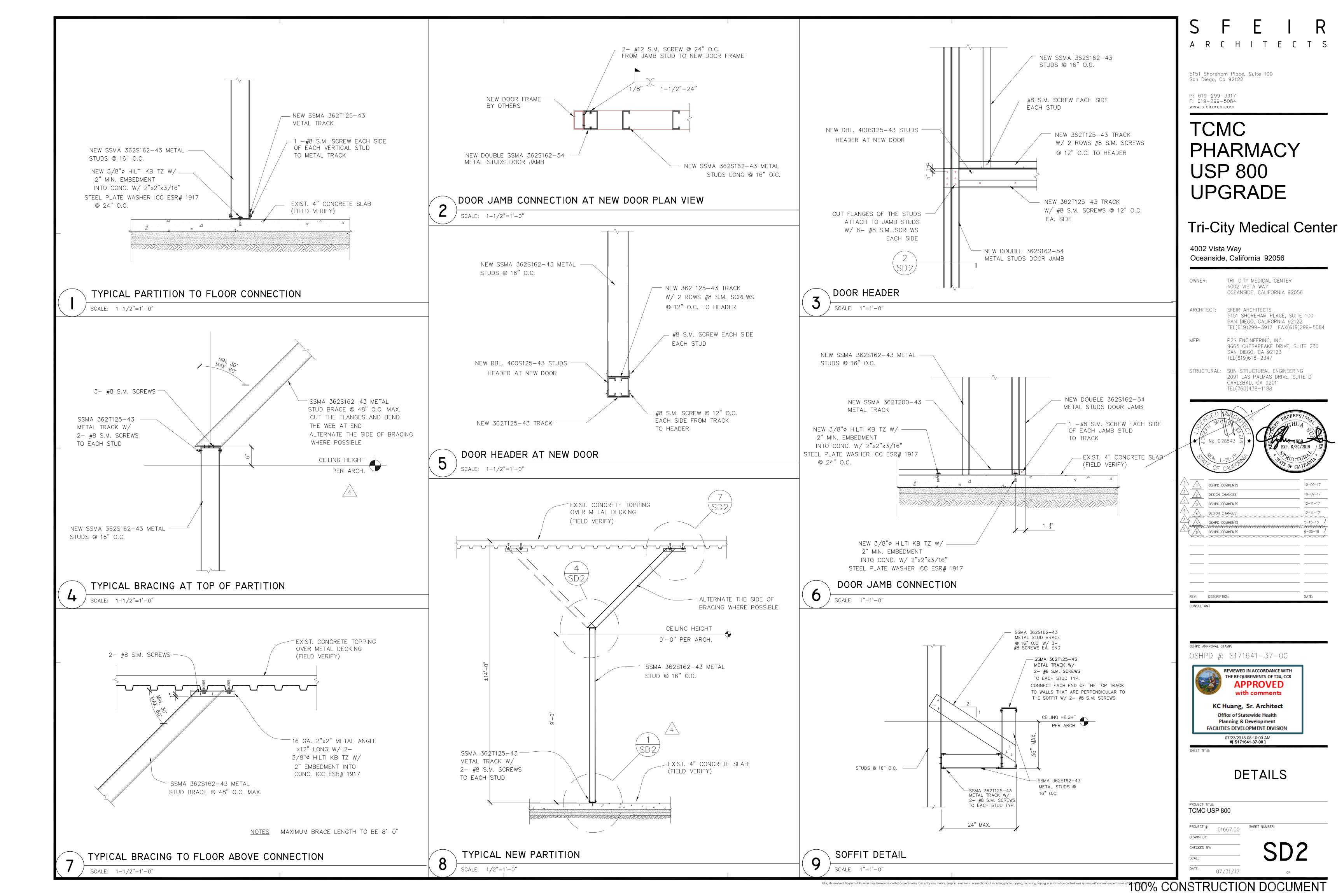
PARTIAL PENTHOUSE ROOF PLAN

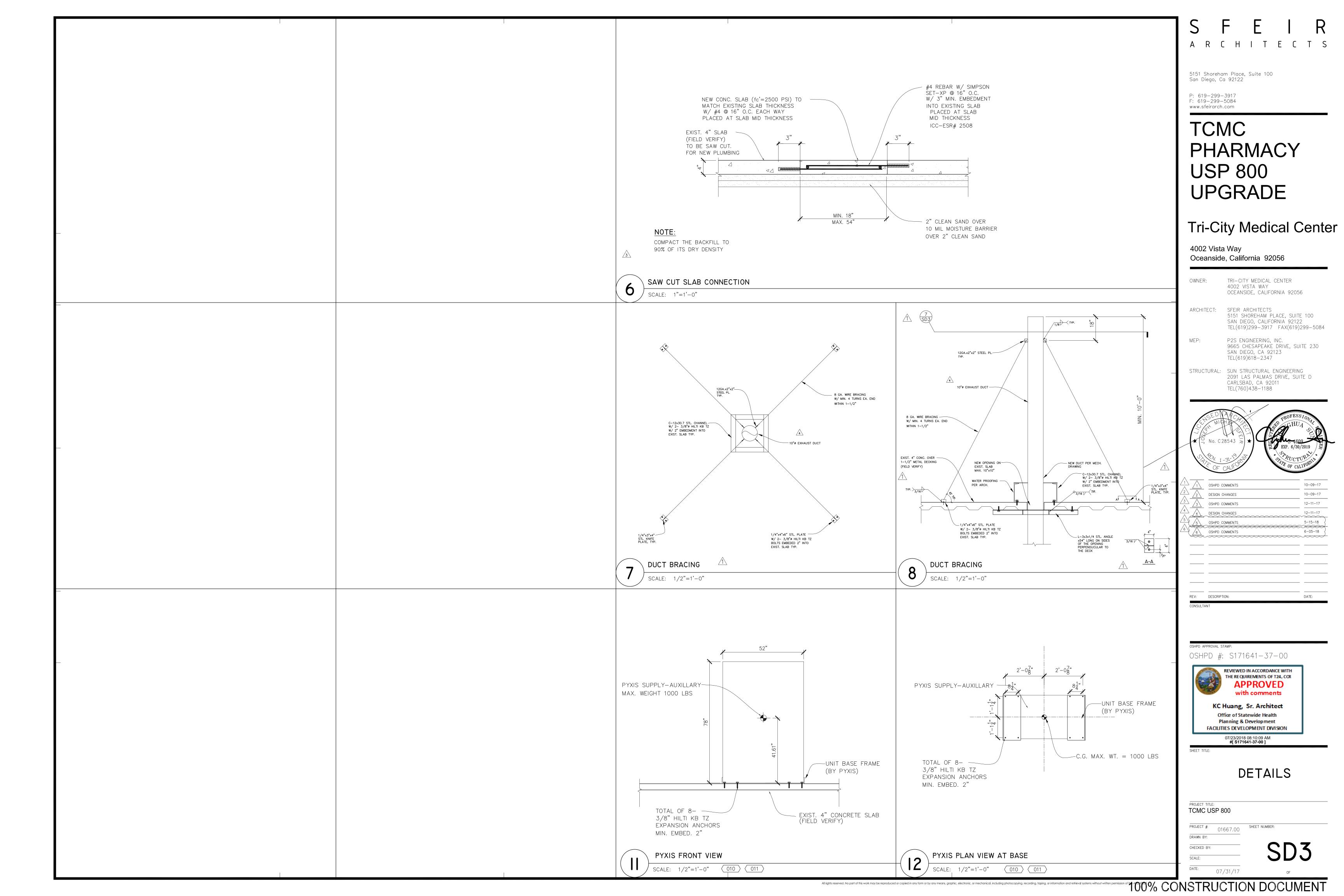
SCALE: 1/4"=1'-0"

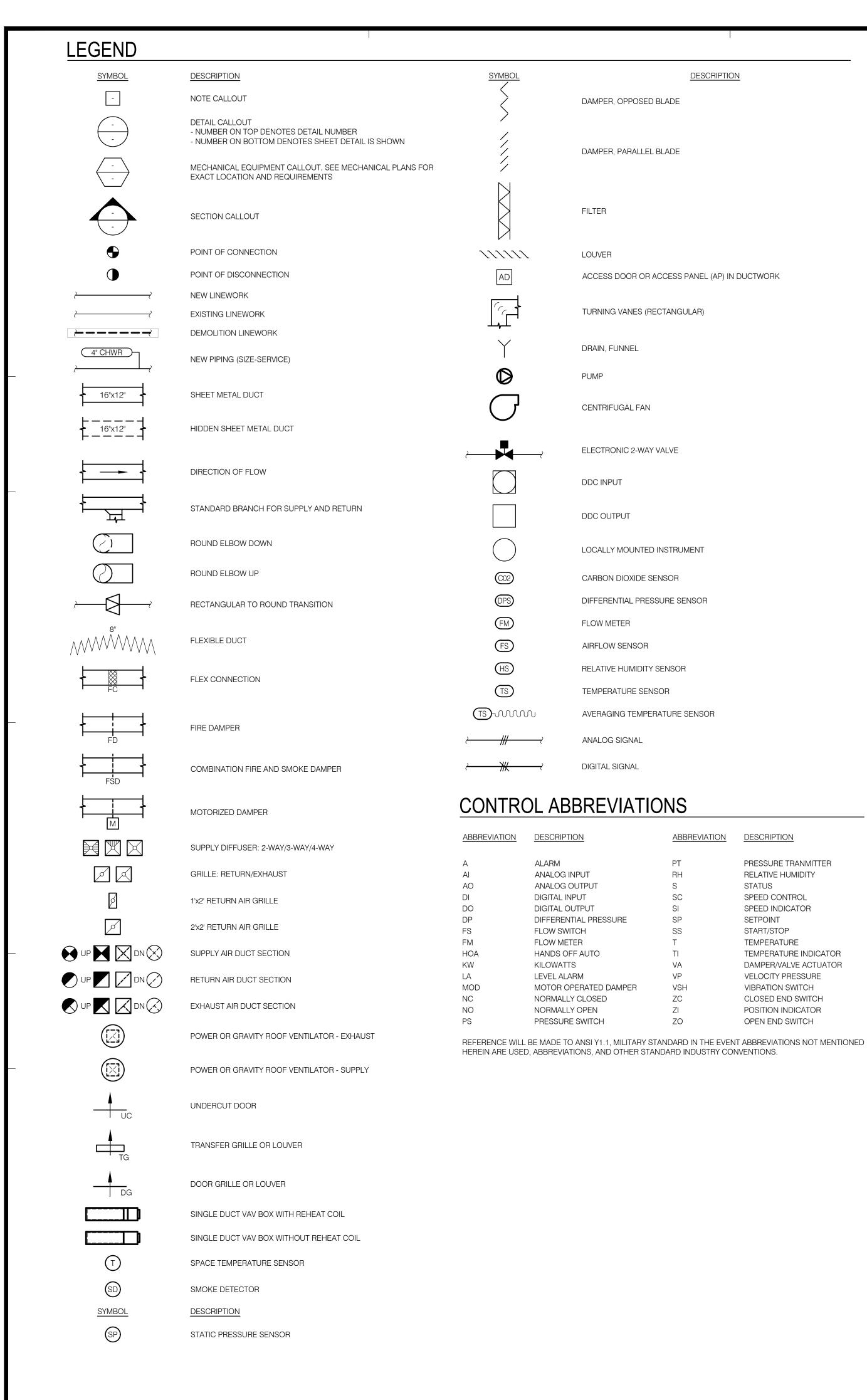
5151 Shoreham Place, Suite 100 San Diego, Ca 92122 P: 619-299-3917 F: 619-299-5084 www.sfeirarch.com TCMC PHARMACY **USP 800 UPGRADE** Tri-City Medical Center 4002 Vista Way Oceanside, California 92056 TRI-CITY MEDICAL CENTER 4002 VISTA WAY OCEANSIDE, CALIFORNIA 92056 ARCHITECT: SFEIR ARCHITECTS 5151 SHOREHAM PLACE, SUITE 100 SAN DIEGO, CALIFORNIA 92122 TEL(619)299-3917 FAX(619)299-5084 P2S ENGINEERING, INC. 9665 CHESAPEAKE DRIVE, SUITE 230 SAN DIEGO, CA 92123 TEL(619)618-2347 STRUCTURAL: SUN STRUCTURAL ENGINEERING 2091 LAS PALMAS DRIVE, SUITE D CARLSBAD, CA 92011 TEL(760)438-1188 OSHPD COMMENTS 10-09-17 DESIGN CHANGES 12-11-17 12-11-17 OSHPD COMMENTS
5-15-18 OSHPD COMMENTS REV: DESCRIPTION: OSHPD #: S171641-37-00 REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR **APPROVED** with comments KC Huang, Sr. Architect Office of Statewide Health Planning & Development FACILITIES DEVELOPMENT DIVISION 07/23/2018 08:10:09 AM **#[ S171641-37-00 ]** PARTIAL FLOOR PLAN PARTIAL PENTHOUSE ROOF PLAN TCMC USP 800 01667.00

ARCHITECTS









#### **ABBREVIATIONS**

**DESCRIPTION** 

DAMPER, OPPOSED BLADE

DAMPER, PARALLEL BLADE

TURNING VANES (RECTANGULAR)

ACCESS DOOR OR ACCESS PANEL (AP) IN DUCTWORK

**FILTER** 

LOUVER

DRAIN, FUNNEL

**CENTRIFUGAL FAN** 

DDC INPUT

DDC OUTPUT

FLOW METER

AIRFLOW SENSOR

**ANALOG SIGNAL** 

DIGITAL SIGNAL

DESCRIPTION

**ANALOG INPUT** 

DIGITAL INPUT

FLOW SWITCH

FLOW METER

KILOWATTS

LEVEL ALARM

HANDS OFF AUTO

NORMALLY CLOSED

NORMALLY OPEN

PRESSURE SWITCH

**ANALOG OUTPUT** 

DIGITAL OUTPUT

DIFFERENTIAL PRESSURE

MOTOR OPERATED DAMPER

ALARM

**ELECTRONIC 2-WAY VALVE** 

LOCALLY MOUNTED INSTRUMENT

DIFFERENTIAL PRESSURE SENSOR

CARBON DIOXIDE SENSOR

RELATIVE HUMIDITY SENSOR

**AVERAGING TEMPERATURE SENSOR** 

<u>ABBREVIATION</u>

VSH

ZO

DESCRIPTION

STATUS

SETPOINT

START/STOP

**TEMPERATURE** 

PRESSURE TRANMITTER

TEMPERATURE INDICATOR

DAMPER/VALVE ACTUATOR

VELOCITY PRESSURE

CLOSED END SWITCH

POSITION INDICATOR

OPEN END SWITCH

VIBRATION SWITCH

RELATIVE HUMIDITY

SPEED CONTROL

SPEED INDICATOR

TEMPERATURE SENSOR

PUMP

//////

AD

C02

**DPS** 

FM

FS

HS

TS

ABBREVIATION	<u>DESCRIPTION</u>	<u>ABBREVIATION</u>	DESCRIPTION
ABV	ABOVE	IN	INCHES
4C	AIR CONDITIONING UNIT	KW	KILOWATTS
\FF	ABOVE FINISHED FLOOR	LAT	LEAVING AIR TEMPERATURE
AHU	AIR HANDLING UNIT	LBS	POUNDS
<b>\</b> P	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
BMS	BUILDING MANAGEMENT SYSTEM	MCA	MINIMUM CIRCUIT AMPS
BTU	BRITISH THERMAL UNIT	MIN	MINIMUM
CAV	CONSTANT AIR VOLUME	MOCP	MAXIMUM OVERLOAD CIRCUIT PROTECT
DD .	CEILING DIFFUSER	NIC	NOT IN CONTRACT
CFM	CUBIC FEET PER MINUTE	OAT	OUTSIDE AIR TEMPERATURE
CV	CONSTANT VOLUME BOX	OBD	OPPOSED BLADE DAMPER
) )			
	DRAIN DRY DUIL D	OSA	OUTSIDE AIR
)B	DRY BULB	PD	PRESSURE DROP
)EG	DEGREES	PERF	PERFORATED
DIA	DIAMETER	PH	PHASE
ON	DOWN	POD	POINT OF DISCONNECT
ΟX	DIRECT EXPANSION	PR	PRESSURE RELIEF
E)	EXISTING	PRV	PRESSURE REDUCING VALVE
ĒΑ	EXHAUST AIR	PSID	POUNDS PER SQUARE INCH DIFFERENT
EAT	ENTERING AIR TEMPERATURE	PSIG	POUNDS PER SQUARE INCH GAUGE
F	EXHAUST FAN	RA	RETURN AIR
FF	EFFICIENCY	RAR	RETURN AIR REGISTER
EL	ELEVATION	RF	RETURN FAN
EQ.	EQUAL	RG	RETURN GRILLE
R	EXHAUST REGISTER	RHC	REHEAT COIL
SP	EXTERNAL STATIC PRESSURE	RLA	RATED LOAD AMPS
EWT	ENTERING WATER TEMPERATURE	RPM	REVOLUTIONS PER MINUTE
F	DEGREES FAHRENHEIT	SA	SUPPLY AIR
· ·C	FAN COOL UNIT	SAR	SUPPLY AIR REGISTER
:D	FIRE DAMPER	SD	SMOKE DAMPER
			SUPPLY FAN
F	FAN FILTER	SF	
LA	FULL LOAD AMPS	SMBH	SENSIBLE MBH
LR	FLOOR	STD	STANDARD
OB	FLAT ON BOTTOM	TAD	TRANSFER AIR DUCT
OT	FLAT ON TOP	TEMP	TEMPERATURE
P	FIRE PUMP	TG	TRANSFER GRILLE
PI	FINS PER INCH	TMBH	TOTAL MBH
PM	FEET PER MINUTE	TSP	TOTAL STATIC PRESSURE
T	FEET OR FOOT	TYP	TYPICAL
-X	FLEXIBLE CONNECTION	UC	UNDERCUT
θA	GAUGE	UON	UNLESS OTHERWISE NOTED
GALV	GALVANIZED	V	VOLTS
GC .	GENERAL CONTRACTOR	VAV	VARIABLE AIR VOLUME UNIT
GPH	GALLONS PER HOUR	VD	VOLUME DAMPER
GPM	GALLONS PER MINUTE	VFD	VARIABLE FREQUENCY DRIVE
IB	HOSE BIBB	W/	WITH
ID	HEAD	W/O	WITHOUT
HWS&R	HEARTING HOT WATER SUPPLY AND RETURN	WB	WET BULB
<del>I</del> P	HEAT PUMP	WC	WATER COLUMN
<del>I</del> P	HORSEPOWER	WG	WATER GAUGE
ΗT	HEIGHT	WT	WEIGHT
ΗZ	HERTZ		

#### **PROJECT NOTES**

- 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.

#### **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"

#### GENERAL NOTES CONTINUED

- 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 2016 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
- 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. 2016 CBC MECHANICAL, ELECTRICAL AND PLUMBING EQUIPMENT ANCHORAGE NOTES:

WRITTEN APPROVAL FROM A DESIGNATED STRUCTURAL ENGINEER AND THE OWNER.

- 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 2016 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 2016 CBC SECTIONS 1616A.1.23, 1616A.1.24, 1616A.1.25 AND 1616A.1.26.

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.

## ARCHITECTS

5151 Shoreham Place, Suite 100 San Diego, Ca 92122

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

## TCMC PHARMACY **USP 800 UPGRADE**

## Tri-City Medical Center

4002 Vista Way Oceanside, California 92056

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

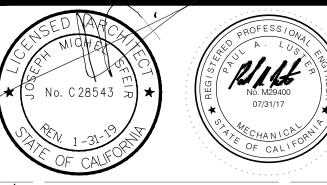
ARCHITECT: SFEIR ARCHITECTS 5151 SHOREHAM PLACE, SUITE 100 SAN DIEGO, CALIFORNIA 92122 TEL(619)299-3917 FAX(619)299-5084

TEL (760) 940-7709

P2S ENGINEERING, INC. 9665 CHESAPEAKE DRIVE, SUITE 230 SAN DIEGO, CA 92123 TEL(619)618-2347

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

MEP:



OSHPD COMMENTS 10-09-17 10-09-17 12-11-17

REV: DESCRIPTION:



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

OSHPD #: S171641-37-00



Office of Statewide Health Planning & Development FACILITIES DEVELOPMENT DIVISION

07/23/2018 08:10:09 AM #[ **S171641-37-00** ]

GENERAL NOTES, LEGEND, SYMBOLS, AND SHEET INDEX

TCMC USP 800

DRAWN BY: 07/31/17

Α	IR BALA	NCE SCH		3 4 5 6						<u>_1</u>															
							CODE REQUIRE	MENTS PER CMC	TABLE 4-A ( USF	P 797 & USP 800)					PROPC	SED DESIGN			$\triangle$		ACTUAL 1	10 1			
R	OOM NUMBER	ROOM NAME	ROOM AREA (SF)	CEILING HEIGH	T 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 8	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 AND STATIC PRESSURE RELATIONSHIP TO ADJACENT 9 AREAS	ROOM EXHAUST (CFM)	ROOM RETUR (CFM)	ROOM TOTAL AIR CHANGES (AC/HR)	ROOM OUTSIDE AIR (AC/HR)	ROOM EXHAUST (AC/HR)	REMARKS
	032	BSC	100	8'	300	400	-	-	30	-	N	YES	300	450	-	33.75 1	-	33.75							1 2
	031	ANTE ROOM	370	8'	1480	-	-	100	30	2	Р	NO 3	1480	-	3 1305	30	2	-							1 2 3
	030	IV PREP ROOM	160	8'	640	-	-	45	30	2	Р	NO	600	_	525	28 7	2	-							1 7
7	041	TOILET	48	8'-1"	-	65	-	-	10	-	N	YES	-	65	-	10	-	10							

(E) SPACES AIR BALANCE TABLE VALUES FROM OSHPD APPROVED DRAWINGS FOR TRI-CITY MEDICAL CENTER PHARMACY 797 USP UPGRADE APPROVED JAN. 18, 2007.

2 15 AC/HR IS RECIRCULATED AIR THROUGH THE FINAL FILTERS.

EXISTING AH-3 SERVES THE SPACES SHOW IN TABLE. EXISTING AIR HANDLING UNIT HAS 33% OSA AS PROVIDED BY OSHPD APPROVED DRAWINGS FOR TRI-CITY MEDICAL CENTER PHARMACY 797 USP UPGRADE APPROVED JAN. 18, 2007.

EXISTING AH-3 SERVING THE AREA OF WORK IS EQUIPPED WITH MERV 8 FILTER UPSTREAM OF THE COIL IN THE AHU (TABLE 4B, POSITION 1) AND MERV 15 AIR FILTER DOWNSTREAM OF THE COIL IN THE AHU (TABLE 4B, POSITION 2), WHICH IS CODE

5 EXISTING AIR HANDLING UNIT SERVING THE AREA IS EQUIPPED WITH SMOKE DETECTOR.

6 EXISTING AIR HANDLING UNIT SERVING THE AREA IS EQUIPPED WITH EMERGENCY POWER.

(E) SA OF 600 CFM AND THE (2) PRIMARY ENGINEERING CONTROL (PEC) UNITS THAT ARE HEPA FILTERED PROVIDE IN EXCESS OF 30 AC/HR.

8 N - NEGATIVE, P - POSITIVE, NR - NO REQUIREMENT FOR CONTINUOUS DIRECTIONAL CONTROL.

9 CONTRACTOR TO STATE AIR BALANCE RELATIONSHIP & MEASURE STATIC PRESSURE TO ADJACENT SPACE. SEE AIRFLOW DIAGRAM 4/M6-10 FOR REQUIREMENTS.

10 CONTRACTOR TO COMPLETE WITH ACTUAL TESTED VALUES.

#### SHEET INDEX

DESCRIPTION
GENERAL NOTES, LEGEND, SYMBOLS & SHEET INDEX

M0-02 SCHEDULES M1-10 ZONING PLAN

M5-10

PARTIAL RENOVATION FIRST FLOOR AND ROOF PLAN

PARTIAL RENOVATION HEATING HOT WATER FLOOR PLAN

MD2-10 PARTIAL DEMOLITION FLOOR PLAN

MD2-11 PARTIAL DEMOLITION HEATING HOT WATER FLOOR PLAN

#### MECHANICAL PIPE AND DUCT

#### SYSTEM SEISMIC SUPPORT NOTES

- 1. SUPPORT AND BRACING FOR NEW PIPING, EXCEPT FIRE SPRINKLER PIPING, AND FOR NEW DUCTWORK SHALL BE PROVIDED PER OPM-0043-13 MASON SEISMIC RESTRAINT COMPONENTS FOR SUSPENDED UTILITIES OR OTHER APPROVED OSHPD OPM.
- 2. LAYOUT DRAWINGS, SHOWING THE BRACING/SUPPORT LOCATIONS AND REFERENCES TO DETAILS FROM THE RELEVANT OSHPD PRE-APPROVALS NEED TO BE SUBMITTED FOR USE BY THE INSPECTOR OF RECORD AND OSHPD FIELD STAFF. THE LAYOUT DRAWINGS, PREPARED PER ASCE 7 CHAPTER 13 AS MODIFIED BY CBC SECTIONS 1613A/1616A, SHALL BE PREPARED BY THE SUBCONTRACTOR AND SIGNED BY A STRUCTURAL ENGINEER LICENSED IN THE STATE OF CALIFORNIA. REFERENCES TO DETAILS FROM THE OSHPD PRE-APPROVAL SHALL BE FOR AN ENTIRE DETAIL AS SUBMITTED OR REFERENCE SHALL BE FOR EACH ASPECT OF A SUBMITTED DETAIL. CUSTOM DETAILS SHALL BE PROVIDED FOR SITUATIONS WHERE OSHPD PRE-APPROVALS DO NOT APPLY. AT LEAST FOUR WEEKS PRIOR TO BEGINNING INSTALLATION, FOUR COPIES OF THE PLANS SHALL BE SUBMITTED TO THE ARCHITECT OF RECORD WHO WILL SUBMIT THEM TO THE STRUCTURAL ENGINEER OF RECORD FOR REVIEW AND APPROVAL. AFTER THIS APPROVAL, THE DRAWINGS WILL BE SUBMITTED TO THE OSHPD DISTRICT STRUCTURAL ENGINEER FOR REVIEW AND APPROVAL. THE PLANS SHALL BE COORDINATED WITH THE PLANS OF OTHER TRADES. A COPY OF THE CHOSEN BRACING SYSTEM INSTALLATION GUIDE/MANUAL SHALL BE ON THE JOBSITE PRIOR TO STARTING THE INSTALLATION.
- 3. THE STRUCTURAL ENGINEER FOR THE CONTRACTOR SHALL DETERMINE THE APPROPRIATE SEISMIC FORCES BASED ON THE DESIGN CRITERIA SHOWN ON THE STRUCTURAL DRAWINGS.
- 4. ONCE THE EXACT LOCATIONS OF ALL PIPING AND DUCTWORK HAVE BEEN ESTABLISHED, THE STRUCTURAL ENGINEER MUST CHECK THE ADEQUACY OF THE SUPPORTING STRUCTURE TO ENSURE THAT THE ORIGINAL DESIGN IS STILL ADEQUATE. THE INSPECTOR OF RECORD SHALL INSURE THAT ALL WORK IS PROPERLY INSTALLED PER THE APPLICABLE OSHPD PRE-APPROVAL.

CAV	SCHEDU	JLE															
						AIDEL OW					ŀ	HEATING COI	L				
MARK MANUFACTURER & MODEL	LOCATION	INLET SIZE	DCV	AIRFLOW			AIRSIDE				WATERSIDE					DEMARKO	
	MODEL	LOCATION	DIA	Y/N	MAX CFM	MIN CFM	MAX HTG. CFM	HTG. MBH	EAT °F	LAT °F	MAX PD IN	GPM	EWT °F	LWT °F	MAX PD FT	ROWS	REMARKS
CAV-1	PRICE SDV	BSC ROOM	7"	N	300	300	300	11,340	55	90	0.18	1.1	180	160	0.05	2	-
CAV-2	PRICE SDV	ANTE ROOM	10"	N	750	750	750	28,350	55	90	0.33	2.2	180	160	0.09	2	-
								$\Lambda$				$\Lambda$					

EXIS	TING CA	V SCHE	ULE														
						AIRFLOW					F	IEATING COI	L				
MARK	MANUFACTURER	LOCATION	INLET	DCV		AII I LOW			AIRS	SIDE				WATERSIDE			REMARKS
IVIANK	MODEL	LOCATION	SIZE DIA	Y/N	MAX CFM	MIN CFM	MAX HTG. CFM	HTG. MBH	EAT °F	LAT °F	MAX PD IN	GPM	EWT °F	LWT °F	MAX PD FT	ROWS	NEIVIANAS
(E) CAV-3	KRUGER LMHS	IV PREP	8"	N	600	600	600	24.6	55	90	0.8	2.5	180	160	0.8	1	-

1 RECIRCULATED AIR. 2 PROVIDE WITH BACNET CONTROL INTERFACE.

IV PREP ROOM

2"x4"

600

FAN	FILTER BO	X								
MARK	MANUFACTURER &	LOCATION	SIZE	CFM		ELECTRICAL		WEIGHT	REMARKS	
	MODEL				HP	VOLT	PH	LBS		
FF-2	ENVIRCO, MAC-10 LEDC - RSRE	BSC ROOM	2"x2"	300	1/3	120	1	54	2	
FF-3	ENVIRCO, MAC-10 LEDC - RSRE	ANTE ROOM	2"x2"	365	1/3	120	1	54	1 2	
FF-4	ENVIRCO, MAC-10 LEDC - RSRE	ANTE ROOM	2"x2"	365	1/3	120	1	54	1 2	
FF-5	ENVIRCO, MAC-10 LEDC - RSRE	ANTE ROOM	2"x2"	250	1/3	120	1	54	2	
FF-6	ENVIRCO, MAC-10 LEDC - RSRE	ANTE ROOM	2"x2"	250	1/3	120	1	54	2	
FF-7	ENVIRCO, MAC-10 LEDC - RSRE	ANTE ROOM	2"x2"	250	1/3	120	1	54	2	

EXISTING FAN FILTER BOX									
MARK	MANUFACTURER &	LOCATION	SIZE	CFM		ELECTRICAL		WEIGHT	REMARKS
1417 (111)	MODEL	200, (1101)	J.ZL	O. 1VI					

120

1/3

LBS

71

	GRILL	ES, REGI	STERS, I	DIFFUSE	RS			
	MARK	DESCRIPTION	MATERIAL	STYLE	FRONT BLADES	DAMPER	FINISH	REMARKS
	EG-1	PRICE 530	STEEL	SIDEWALL	HORIZONTAL	N/A	1	-
7	EG-2	PRICE PDDR	STEEL	LAY-IN	-	N/A	1	-
	RG-1	PRICE 530	STEEL	SIDEWALL	HORIZONTAL	N/A	1	-

1 COORDINATE WITH ARCHITECT.

(E) FF-1 ENVIRCO - LEDC



5151 Shoreham Place, Suite 100 San Diego, Ca 92122

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## TCMC PHARMACY **USP 800** UPGRADE

## Tri-City Medical Center

4002 Vista Way Oceanside, California 92056

> TRI-CITY MEDICAL CENTER 4002 VISTA WAY OCEANSIDE, CALIFORNIA 92056 TEL (760) 940-7709

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STRUCTURAL: SUN STRUCTURAL ENGINEERING 2091 LAS PALMAS DRIVE, SUITE D CARLSBAD, CA 92011



REV: DESCRIPTION:

WENTER COMMENTS 5-15-18



OSHPD #: S171641-37-00



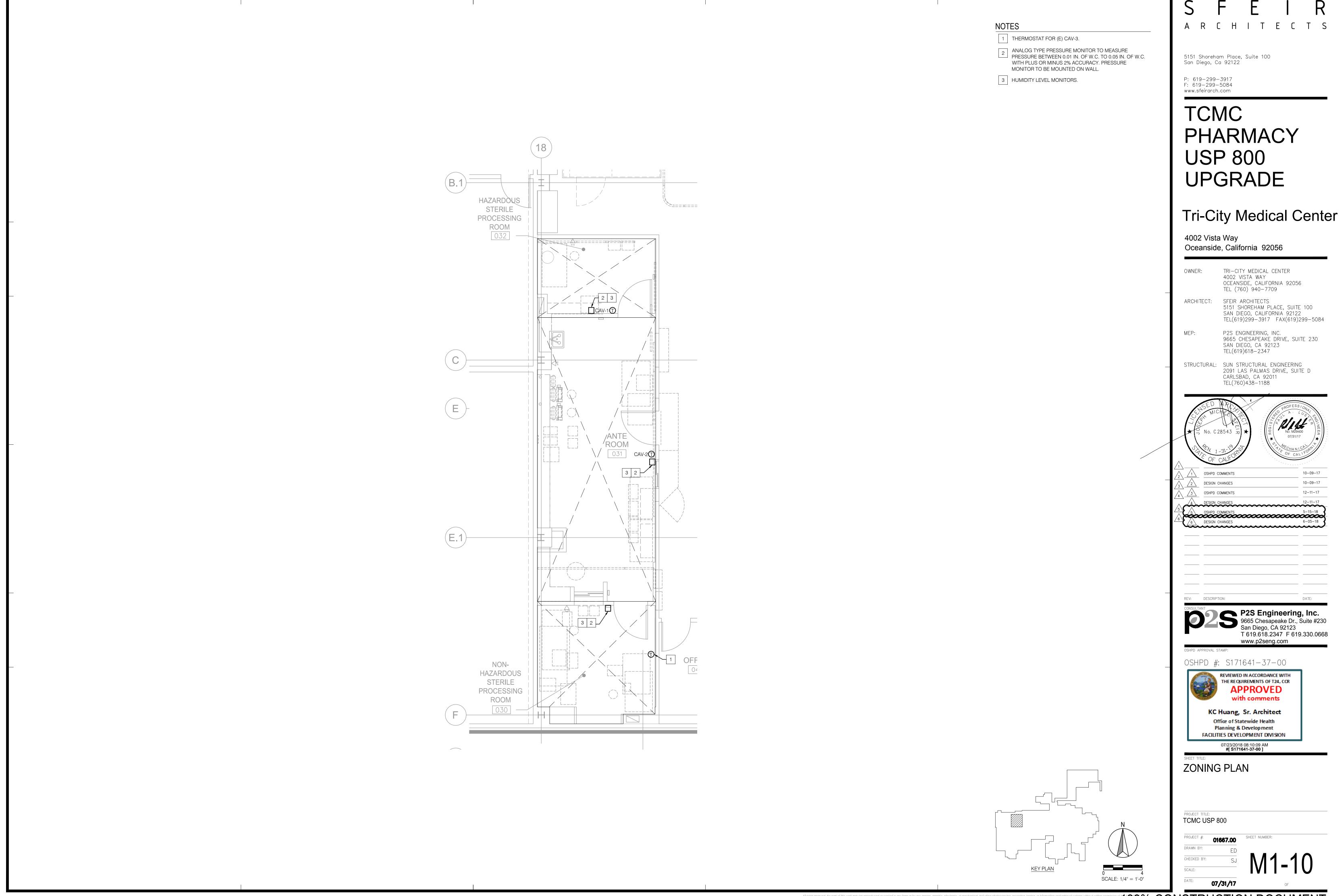
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**SCHEDULES** 

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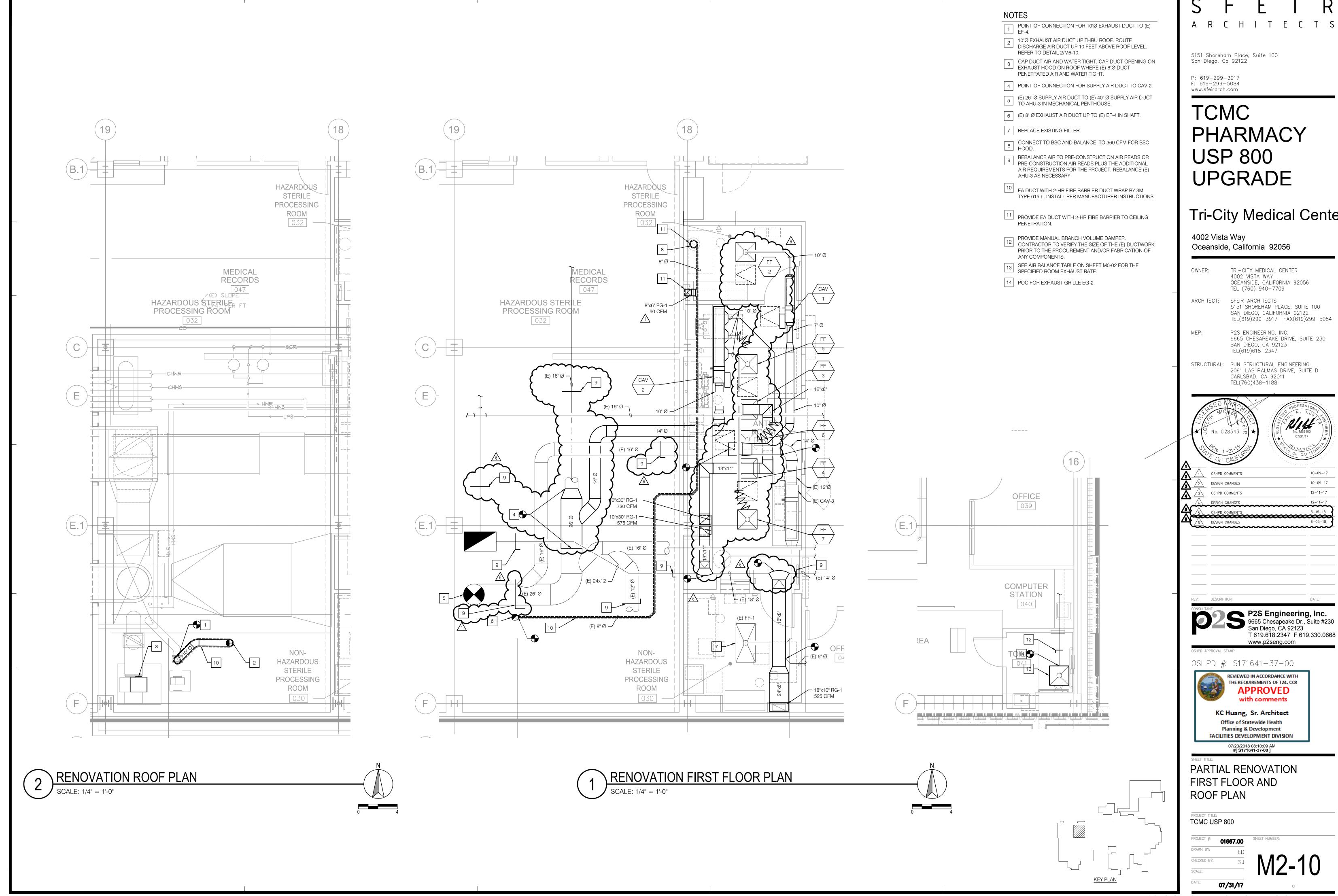
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ARCHITECTS

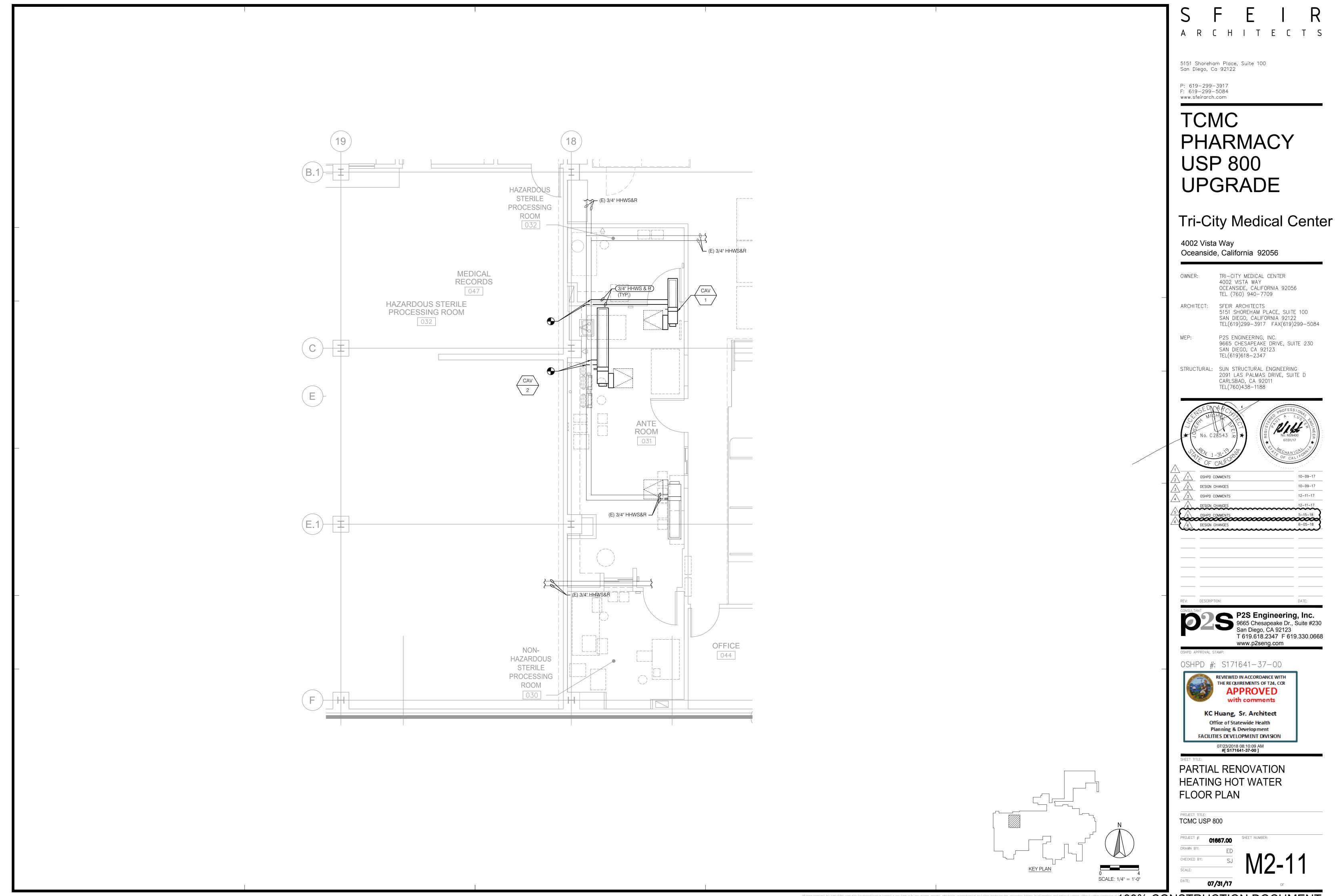
## Tri-City Medical Center

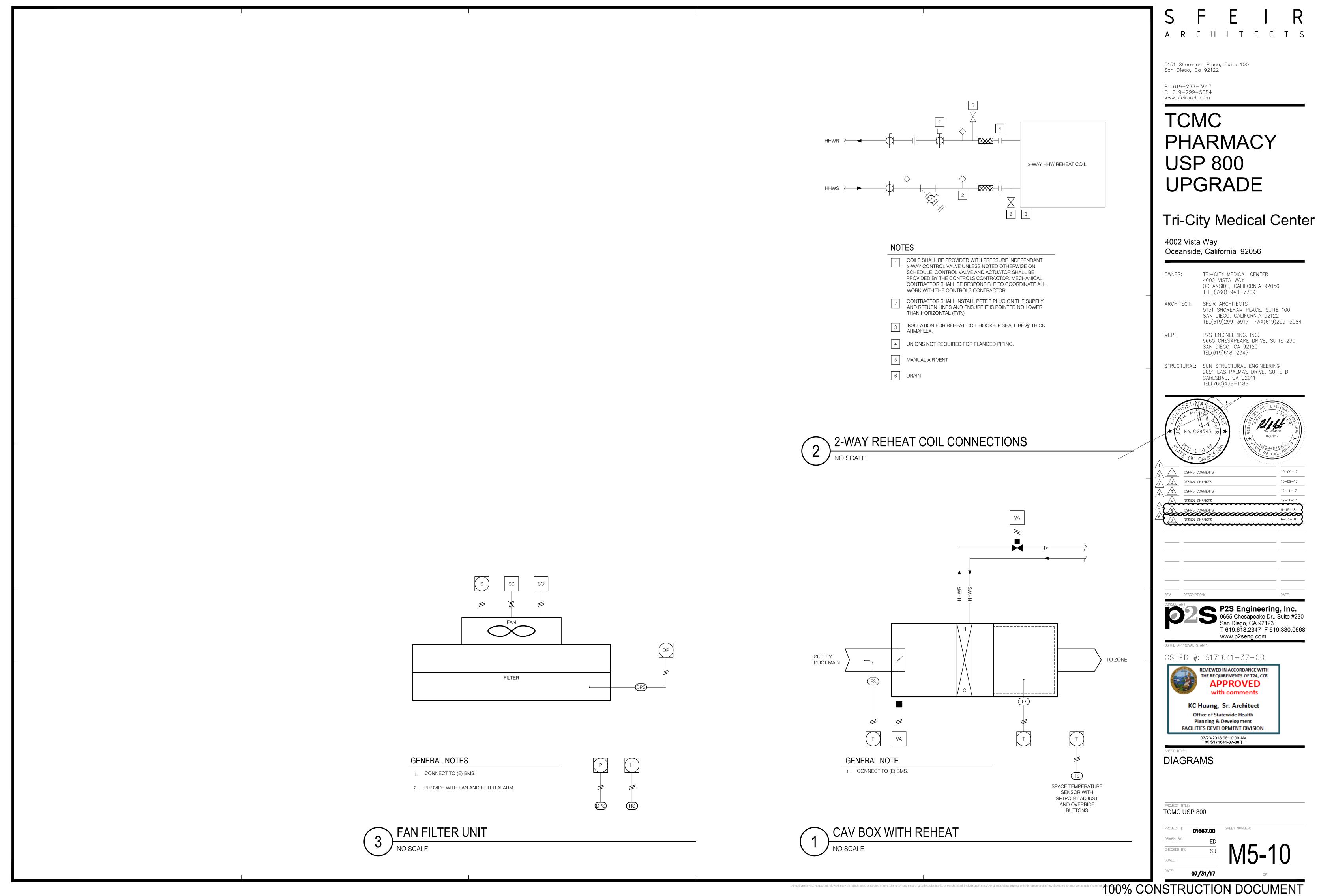
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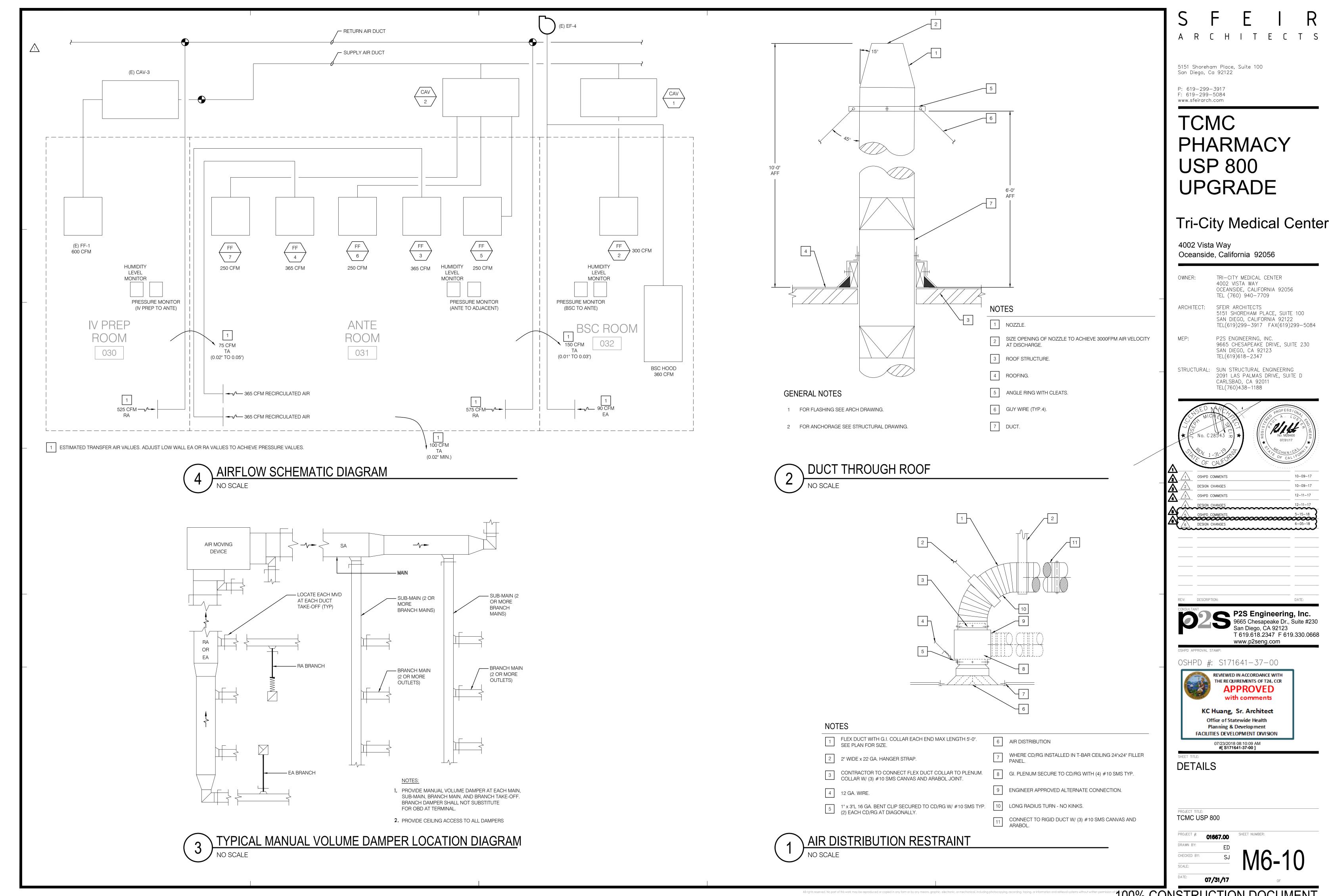
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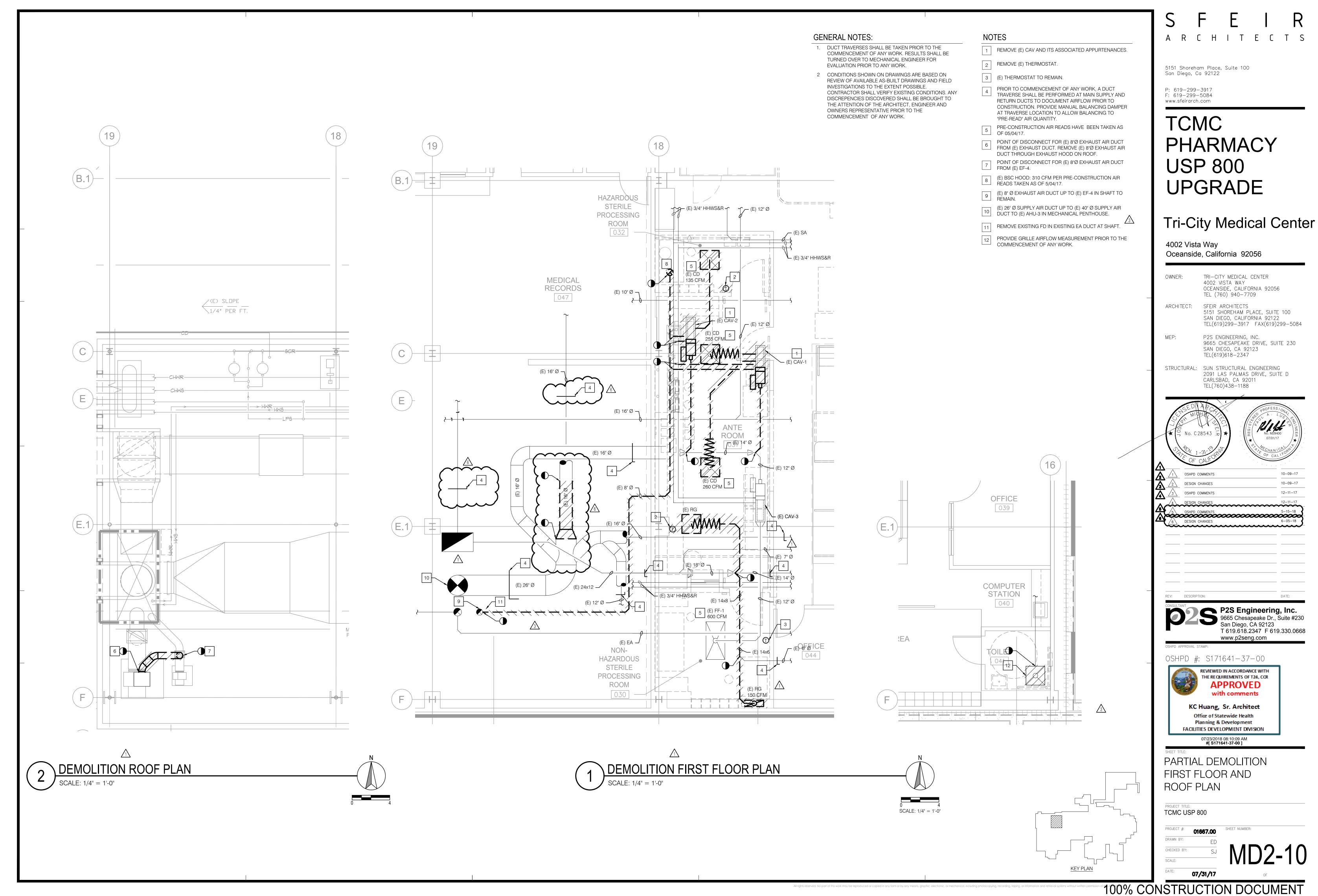


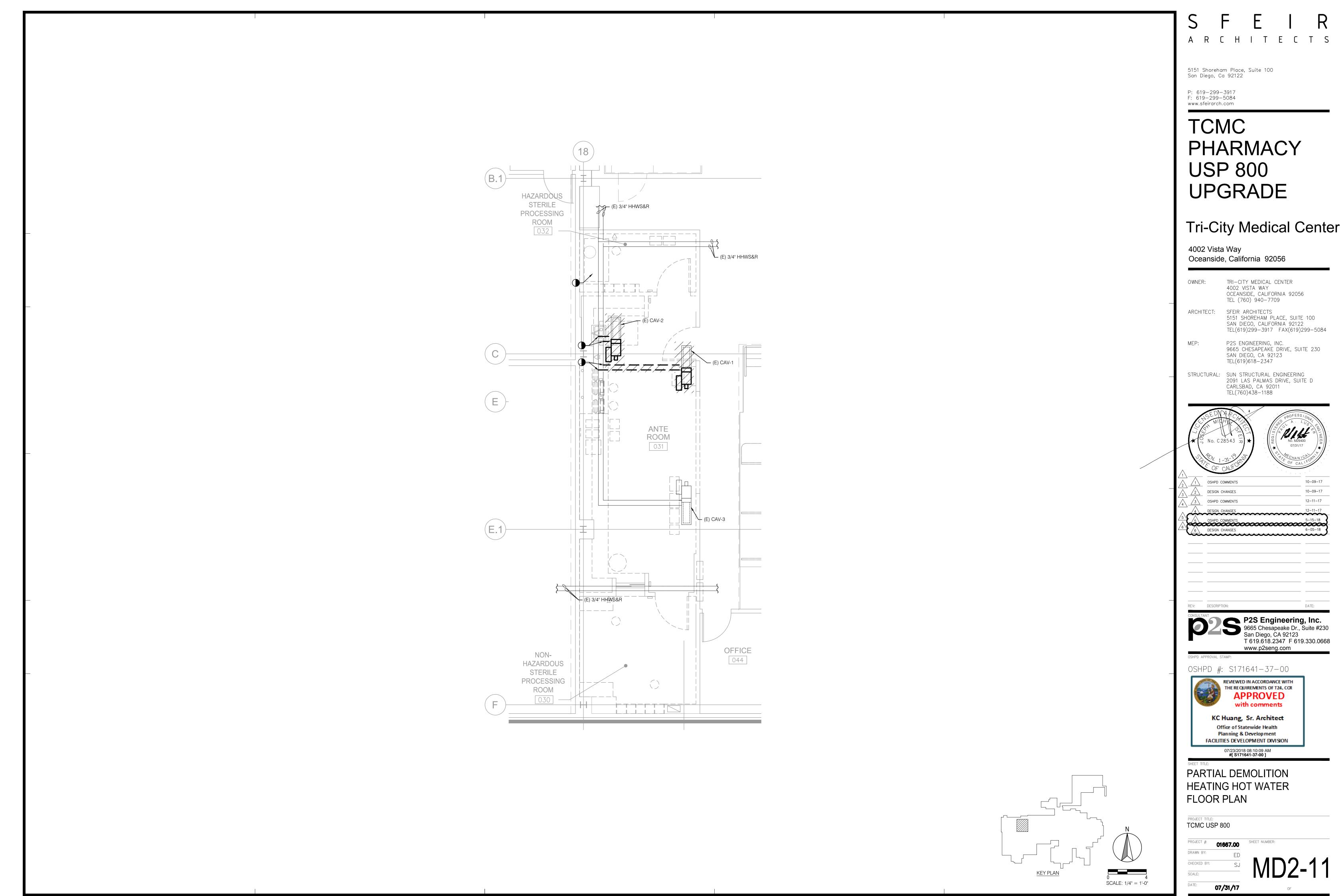
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#### **LEGEND** SYMBOL DESCRIPTION **NOTE CALLOUT** ABV A/C DETAIL CALLOUT AC - NUMBER ON TOP DENOTES DETAIL NUMBER - NUMBER ON BOTTOM DENOTES SHEET DETAIL AD IS SHOWN AFF AFG MECHANICAL EQUIPMENT CALLOUT. SEE **AFSR** MECHANICAL PLANS FOR EXACT LOCATION AND REQUIREMENTS POINT OF CONNECTION POINT OF DISCONNECTION B/G EXISTING PIPE/EQUIPMENT → → → → → → DEMOLISHED PIPE/EQUIPMENT INDIRECT WASTE ——IW ——— CLG COTG SANITARY SEWER/WASTE UNDERGROUND CU CW SANITARY SEWER/WASTE ABOVEGROUND DEPT ≥----- SANITARY VENT DOMESTIC HOT WATER RETURN DWG DOMESTIC HOT WATER SUPPLY FFW <u>→ - - - - → DOMESTIC COLD WATER</u> **EXIST EQUIP** SD———SD———— STORM DRAIN PIPING **EWC** SCW<del>----</del> SOFT COLD WATER FCO ELBOW DOWN ○ PIPE TEE UP & DOWN OR ELBOW UP PIPE TEE DOWN GPM PIPE TEE UP $\longrightarrow$ GATE VALVE HOSE BIBB FLOOR DRAIN MTD NTS FLOOR SINK, 1/2 GRATE OD FLOOR CLEANOUT OS&Y POC CLEANOUT TO GRADE POD WALL CLEANOUT WATER HAMMER ARRESTOR SOV TRAP PRIMER UG UON VOLT

**ABBREVIATIONS** ABBREVIATION DESCRIPTION **ABOVE ABOVE CEILING ACETYLENE** AREA DRAIN ABOVE FINISHED FLOOR ABOVE FINISHED GRADE ARGON GAS ACID VENT ACID WASTE BELOW **BACKFLOW PREVENTER BELOW GRADE BELOW FLOOR** BOTTOM BALL VALVE CAST IRON **CAST IRON PIPE** CEILING

AUTOMATIC FIRE SPRINKLER RISER CLEAN-OUT TO GRADE CUBIC **COLD WATER** DEPARTMENT DRINKING FOUNTAIN DIAMETER DOWN DOWNSPOUT DRAWING(S) **EXISTING EMERGENCY EYEWASH EXISTING EQUIPMENT** ELECTRIC WATER COOLER FIRE FROM ABOVE FROM BELOW FLOOR CLEAN-OUT FLOOR DRAIN FINISHED FLOOR FORCE MAIN FLOOR SINK FEET NATURAL GAS (LOW PRESSURE) GALLONS GALLONS PER MINUTE GAS PRESSURE REGULATOR HOT AND COLD WATER HIGH LEVEL HEADER HEIGHT **INCHES** INDIRECT WASTE LAVATORY MAXIMUM MINIMUM NATURAL MEDIUM PRESSURE GAS MOUNTED

NOT TO SCALE OXYGEN OVERFLOW DRAIN OPEN SCREW AND YOKE POINT OF CONNECTION POINT OF DISCONNECTION POUNDS PER SQUARE INCH ROOF DRAIN **ROUGH-IN AND CONNECT** SINK, SEWER, SOIL

STORM DRAIN SHUT-OFF VALVE SQUARE SERVICE SINK TO ABOVE TO BELOW TRAP PRIMER **TYPICAL** UNDERGROUND UNLESS OTHERWISE NOTED URINAL SANITARY VENT VOLTAGE

VENT THRU ROOF WASTE WATER CLOSET WALL CLEAN-OUT WATER HEATER

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.

WATER HAMMER ARRESTOR

#### **GENERAL NOTES**

1. ALL WORK SHALL COMPLY WITH THE 2016 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

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 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, 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.

16. ALL EQUIPMENT SHALL BE INSTALLED IN STRICT COMPLIANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS.

17. ALL PLUMBING FIXTURE VENTS TO TERMINATE MINIMUM 12 INCHES FROM ANY VERTICAL SURFACE

AND 10 FEET FROM OR 3 FEET ABOVE ANY OUTSIDE AIR INTAKES. NO FLAGPOLING PERMITTED.

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. ALL PIPING DISCHARGING INTO FLOOR-SINKS AND/OR FLOOR DRAINS SHALL MAINTAIN MINIMUM AIR-GAP AS REQUIRED BY LOCAL CODES.

20. ALL VALVES, UNIONS, ETC. TO BE SAME SIZE AS LINE SIZE UNLESS OTHERWISE INDICATED ON DRAWINGS

22. UNIONS SHALL BE PROVIDED AND INSTALLED AFTER EACH SCREW-TYPE VALVE AND PRIOR TO

GENERAL NOTES, LEGEND, SYMBOLS & SHEET INDEX

SCHEDULES AND DETAILS

PARTIAL RENOVATION FLOOR PLAN

PARTIAL DEMOLITION FLOOR PLAN

21. ISOLATE AND DRAIN EXISTING PIPING SYSTEM AS REQUIRED TO ACCOMMODATE INSTALLATION OF

EQUIPMENT CONNECTIONS. 23. EQUIPMENT ANCHORAGE NOTES:

SHEET INDEX

P0-02

P2-10

PD2-10

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 FORCE

CHAPTER 6 AND 30.

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

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 2016 CBC SECTIONS 1616A.

DRAWINGS OR THEY SHALL COMPLY WITH ONE OF THE OSHPD PRE-APPROVALS (OPM #) AS MODIFIED TO SATISFY ANCHORAGE REQUIREMENTS OF ACI 318, APPENDIX D.

AND BRACING OF THE PIPE, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM.

THE BRACING AND ATTACHMENTS TO THE STRUCTURE SHALL BE DETAILED ON THE APPROVED

SUPPORT THE HANGER AND BRACE LOADS.

25. PLUMBING FIXTURES AND FAUCETS SHALL BE CERTIFIED BY THE STATE OF CALIFORNIA ENERGY

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

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,

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 2016 CBC CHAPTER 11A AND/OR 11B. HEIGHTS AND LOCATION OF ALL FIXTURES SHALL BE ACCORDING TO CBC 2016 SECTION 1138A. FIXTURE CONTROLS SHALL COMPLY WITH CBC 2016 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.

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.

AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2016 CBC, SECTION 1616A. AND ASCE 7-10

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.

REQUIREMENTS.

COPIES OF THE MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF HANGING

THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO

COMMISSION AS REQUIRED BY THE CALIFORNIA ENERGY EFFICIENCY STANDARDS SECTION S-5314

ARCHITECTURAL PLANS FOR ALL WALL LOCATIONS.

28. REFER TO THE SPECIFICATIONS BOOK FOR ADDITIONAL REQUIREMENTS.

INSTALL PIPING THROUGH PIPE SLEEVES.

39. INSULATE WASTE PIPE AND P-TRAP FROM FLOOR SINK, FLOOR DRAINS OR FUNNEL DRAINS

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

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 CONNECTIN 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 BI AS SHORT AS POSSIBLE. THE CONTRACTOR SHALL GIVE THE OWNER'S REPRESENTATIVE SUFFICIENT 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 THE CONTRACTOR.

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 2016 CMC SEC. 1201.2. SEE SPECIFICATION FOR OTHER REQUIREMENTS.

57. ALL CONNECTIONS TO SITE PIPING SHALL BE DONE BY THE PLUMBING CONTRACTOR.

58. CLEANOUTS SHALL BE PROVIDED PER 2016 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) DEGREES.

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 2016 CPC SECTION 1210.8. SEE SEDIMENT TRAP INSTALLATION PER 2016 CPC FIGURE 1210.8.

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.

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## TCMC PHARMACY **USP 800 UPGRADE**

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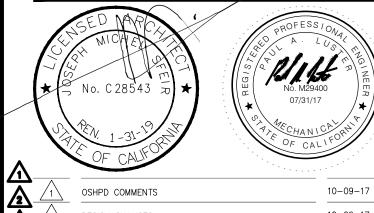
TRI-CITY MEDICAL CENTER 4002 VISTA WAY OCEANSIDE, CALIFORNIA 92056

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

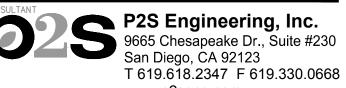
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10-09-17 12-11-17



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Office of Statewide Health

GENERAL NOTES. LEGEND, SYMBOLS, AND SHEET INDEX

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## MECHANICAL PIPE AND DUCT SYSTEM SEISMIC SUPPORT NOTES

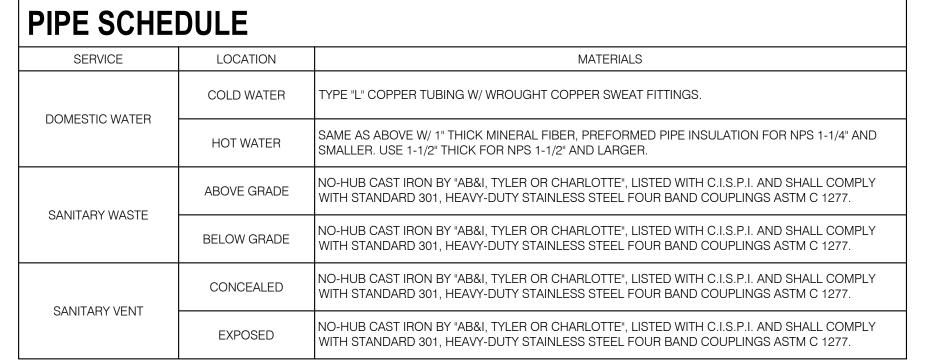
1. SUPPORT AND BRACING FOR NEW PIPING, EXCEPT FIRE SPRINKLER PIPING, AND FOR NEW DUCTWORK SHALL BE PROVIDED PER OPM-0043-13 MASON SEISMIC RESTRAINT COMPONENTS FOR SUSPENDED UTILITIES OR OTHER APPROVED OSHPD OPM.

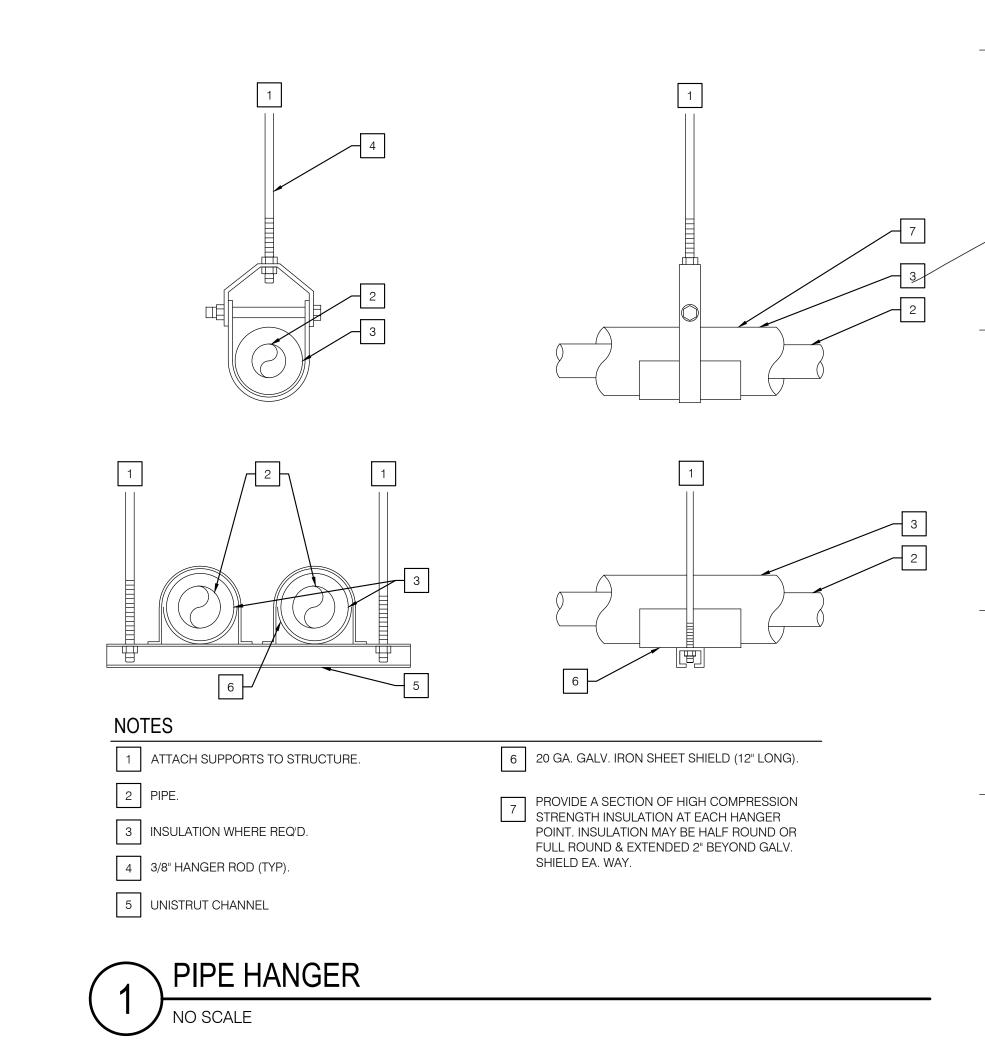
2. LAYOUT DRAWINGS, SHOWING THE BRACING/SUPPORT LOCATIONS AND REFERENCES TO DETAILS FROM THE RELEVANT OSHPD PRE-APPROVALS NEED TO BE SUBMITTED FOR USE BY THE INSPECTOR OF RECORD AND OSHPD FIELD STAFF. THE LAYOUT DRAWINGS, PREPARED PER ASCE 7 CHAPTER 13 AS MODIFIED BY CBC SECTIONS 1613A/1616A, SHALL BE PREPARED BY THE SUBCONTRACTOR AND SIGNED BY A STRUCTURAL ENGINEER LICENSED IN THE STATE OF CALIFORNIA. REFERENCES TO DETAILS FROM THE OSHPD PRE-APPROVAL SHALL BE FOR AN ENTIRE DETAIL AS SUBMITTED OR REFERENCE SHALL BE FOR EACH ASPECT OF A SUBMITTED DETAIL. CUSTOM DETAILS SHALL BE PROVIDED FOR SITUATIONS WHERE OSHPD. PRE-APPROVALS DO NOT APPLY. AT LEAST FOUR WEEKS PRIOR TO BEGINNING INSTALLATION, FOUR COPIES OF THE PLANS SHALL BE SUBMITTED TO THE ARCHITECT OF RECORD WHO WILL SUBMIT THEM TO THE STRUCTURAL ENGINEER OF RECORD FOR REVIEW AND APPROVAL. AFTER THIS APPROVAL, THE DRAWINGS WILL BE SUBMITTED TO THE OSHPD DISTRICT STRUCTURAL ENGINEER FOR REVIEW AND APPROVAL. THE PLANS SHALL BE COORDINATED WITH THE PLANS OF OTHER TRADES. A COPY OF THE CHOSEN BRACING SYSTEM INSTALLATION GUIDE/MANUAL SHALL BE ON THE JOBSITE PRIOR TO STARTING THE INSTALLATION.

3. THE STRUCTURAL ENGINEER FOR THE CONTRACTOR SHALL DETERMINE THE APPROPRIATE SEISMIC FORCES BASED ON THE DESIGN CRITERIA SHOWN ON THE STRUCTURAL DRAWINGS.

4. ONCE THE EXACT LOCATIONS OF ALL PIPING AND DUCTWORK HAVE BEEN ESTABLISHED, THE STRUCTURAL ENGINEER MUST CHECK THE ADEQUACY OF THE SUPPORTING STRUCTURE TO ENSURE THAT THE ORIGINAL DESIGN IS STILL ADEQUATE. THE INSPECTOR OF RECORD SHALL INSURE THAT ALL WORK IS PROPERLY INSTALLED PER THE APPLICABLE OSHPD PRE-APPROVAL.

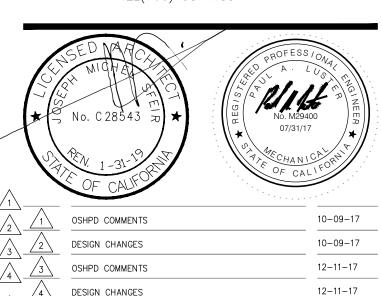








OWNER: ARCHITECT: SFEIR ARCHITECTS MEP: STRUCTURAL: SUN STRUCTURAL ENGINEERING



REV: DESCRIPTION:



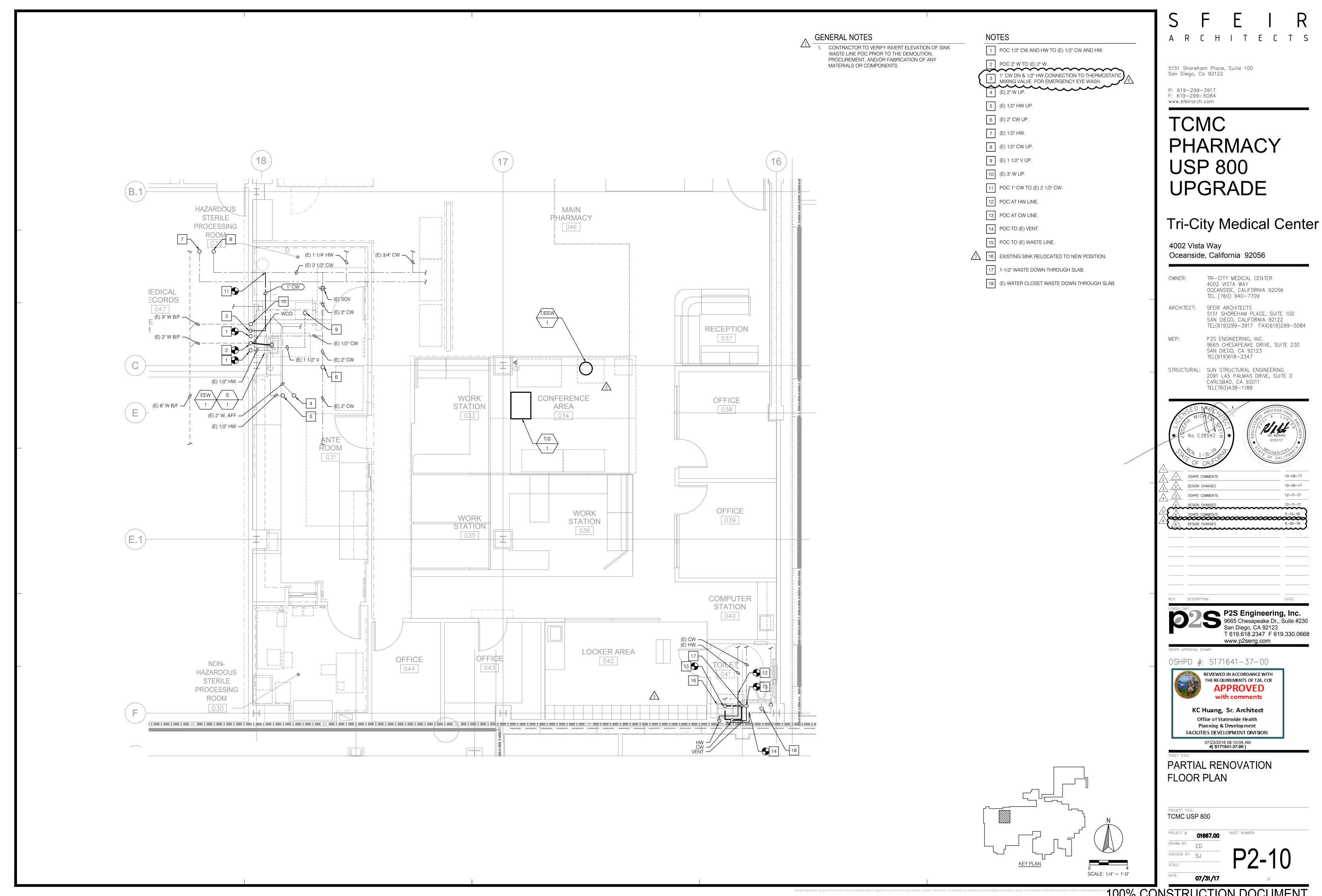
OSHPD #: S171641-37-00 REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR **APPROVED** with comments KC Huang, Sr. Architect

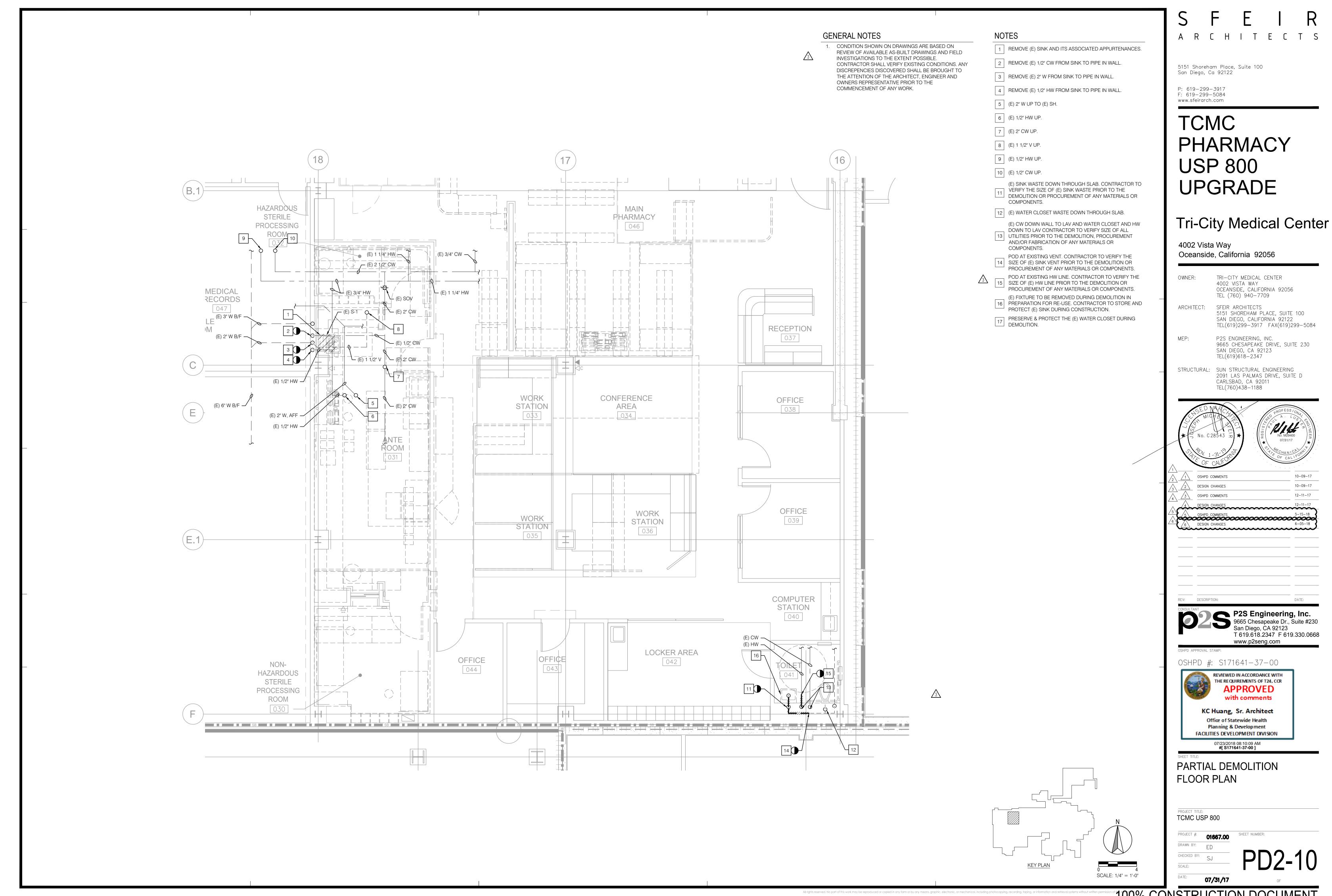
Office of Statewide Health Planning & Development FACILITIES DEVELOPMENT DIVISION 07/23/2018 08:10:09 AM **#[ S171641-37-00 ]** 

SCHEDULES AND **DETAILS** 

TCMC USP 800

DRAWN BY: 07/31/17





#### **LEGEND DESCRIPTION** NOTE CALLOUT **NEW LINEWORK EXISTING LINEWORK** CONDUIT CONCEALED IN WALL OR ABOVE CEILING CONDUIT EXPOSED **>----**CONDUIT & WIRE TO BE DEMOLISHED CONDUIT CAPPED BRANCH CIRCUIT HOMERUN TO PANELBOARD AND CIRCUITS AS INDICATED CONDUIT EMERGENCY 3/4" CONDUIT, TICK MARKS INDICATE QUANTITY OF #12 AWG WIRES (UNLESS NOTED OTHERWISE, NO MARKS INDICATES 2#12 & 1#12 GND WIRES) - SMALL MARK DENOTES HOT WIRE - LARGE MARK DENOTES NEUTRAL WIRE - DIAGONAL DENOTES GROUND WIRE CIRCUIT BREAKER TRANSFER SWITCH ******* TRANSFORMER GROUND CONNECTION FUSED DISCONNECT SWITCH SINGLE POLE SWITCH, DEVICE SHALL BE MOUNTED +48" MAX **KCMIL** AND +36" MIN FROM THE CENTER OF DEVICE KW JUNCTION BOX LFMC LOC. DUPLEX - WALL +18" A.F.F. LTG MAX DUPLEX - WALL +18" A.F.F. (CONNECT TO EMERGENCY GENERATOR) MFGR MTD JUNCTION BOX - WALL PANELBOARD, 120/208V - RECESSED PANELBOARD, 120/208V - SURFACE PANELBOARD, 277/480V - SURFACE PH OR Ø PNL PVC PWR REC/RECEP REQ'D RGS **SPECS** SWBD SWGR TEL./TELE TRANSF/XFMR TRANSFORMER TYP UON

#### **ABBREVIATIONS GENERAL NOTES**

APPLICABLE CODES:

(PUBLISHER:IAPMO)

2015 IBC AND 2016 CALIFORNIA AMENDMENTS

2014 NEC AND 2016 CALIFORNIA AMENDMENTS

2015 UMC AND 2016 CALIFORNIA AMENDMENTS

2015 UPC AND 2016 CALIFORNIA AMENDMENTS

2015 IFC AND 2016 CALIFORNIA AMENDMENTS

(2016 CALIFORNIA BUILDING CODE - PART 2, TITLE 24, CCR)

(2016 CALIFORNIA ELECTRICAL CODE - PART 3, TITLE 24, CCR)

(2016 CALIFORNIA MECHANICAL CODE - PART 4, TITLE 24, CCR)

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

(2016 CALIFORNIA FIRE CODE - PART 9, TITLE 24, CCR)

ADDICTIONS						
	ABBREVIATION	DESCRIPTION	1.			
	A OR AMP	AMPERES				
	ABV	ABOVE				
	AFF	ABOVE FINISHED FLOOR				
	AIC	AMPERE INTERRUPTING CAPACITY	2.			
	AL	ALUMINUM				
	ARCH.	ARCHITECT; ARCHITECTURAL				
	ASCC	AVAILABLE SHORT CIRCUIT CURRENT				
	ATS	AUTOMATIC TRANSFER SWITCH				
	AUX	AUXILIARY				
	AWG	AMERICAN WIRE GAUGE				
	BKBD	BACKBOARD				
	BKR	BREAKER				
	BLDG	BUILDING				
	С	CONDUIT				
	СВ	CIRCUIT BREAKER				
	CKT	CIRCUIT				
	CL	CENTER LINE				
	CLG	CEILING				
	C.O.	CONDUIT ONLY WITH PULL WIRE	3.			
	CSFD	COMBINATION SMOKE FIRE DAMPER	٥.			
	CU	COPPER				
	DIAG	DIAGRAM				
	DWP	DEPARTMENT OF WATER & POWER				
	EA	EACH				
	ELEC.	ELECTRICAL				
	EMT	ELECTRICAL METALLIC TUBING				
	EQUIP	EQUIPMENT				
	EXIST/(E)	EXISTING				
	(ENL)	EXISTING TO BE RECONNECTED IN NEW				
	(LIVL)	LOCATION				
	(ERR)	EXISTING TO BE REMOVED, RELOCATED AND RECONNECTED				
	FLA	FULL LOAD AMPS				
	FLR	FLOOR	4			
	FT	FEET	4.			
	GFI	GROUND FAULT INTERRUPTER				
	GEC	GROUNDING ELECTRODE CONDUCTOR				
	5.20	5 5 5 E 6 ELEGITIODE GOTTDOOTOT				

GROUND

HEIGHT

HERTZ

KILOVOLT

KILOWATT

LOCATION

LIGHTING

MAXIMUM

MOUNTED

MOUNTING

NORTH

NUMBER

PULL BOX

POWER FACTOR

POLY-VINYL CHLORIDE

RIGID GALVANIZED STEEL

UNLESS OTHERWISE NOTED

POLE

PHASE

PANEL

POWER

**REMOVE** 

ROOM

RECEPTACLE

REQUIRED

**SPECIFICATIONS** 

SWITCHBOARD

SWITCHGEAR

**VOLT-AMPERES** 

WEATHERPROOF

STANDARD ABBREVIATIONS, AND OTHER STANDARD

IN THE EVENT ABBREVIATIONS NOT MENTIONED HEREIN ARE

USED, REFERENCE WILL BE MADE TO ANSI Y1.1, MILITARY

**IMPEDANCE** 

TELEPHONE

TYPICAL

**VOLTS** 

WATTS

WITHOUT

WITH

INDUSTRY CONVENTIONS.

**MANUFACTURER** 

**NOT IN CONTRACT** 

HORSEPOWER

JUNCTION BOX

SHORT CIRCUIT CURRENT

THOUSAND CIRCULAR MILS

LIQUIDTIGHT FLEXIBLE METAL CONDUIT

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 WHEREIN 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.

ALL WORK SHALL COMPLY WITH THE 2016 EDITION OF THE CALIFORNIA ELECTRICAL CODE

AND ALL OTHER APPLICABLE FEDERAL, STATE, AND LOCAL CODES. WHERE THE

CONSTRUCTION DOCUMENTS INDICATE MORE RESTRICTIVE REQUIREMENTS, THE

CONSTRUCTION DOCUMENTS SHALL GOVERN BUT THE CONSTRUCTION DOCUMENTS

SHALL NOT BE INTERPRETED AS AUTHORITY TO VIOLATE ANY CODE OR REGULATION.

IN THE EVENT OF A CONFLICT OR INCONSISTENCY BETWEEN ITEMS INDICATED ON THE PLANS AND/OR SPECIFICATIONS OR WITH CODE REQUIREMENTS, THE NOTE, SPECIFICATION OR CODE WHICH PRESCRIBES AND ESTABLISHES THE MORE COMPLETE JOB OR THE HIGHER STANDARD SHALL PREVAIL

- OMISSIONS FROM THE DRAWINGS OR SPECIFICATIONS OR THE MISDESCRIPTION OF DETAILS OF WORK WHICH ARE MANIFESTLY NECESSARY TO CARRY OUT THE INTENT OF THE DRAWINGS AND SPECIFICATIONS, OR WHICH ARE CUSTOMARILY PERFORMED, SHALL NOT RELIEVE THE CONTRACTOR FROM PERFORMING SUCH OMITTED OR MISDESCRIBED DETAILS OF THE WORK BUT THEY SHALL BE PERFORMED AS IF FULLY AND CORRECTLY SET FORTH AND DESCRIBED IN THE DRAWINGS AND SPECIFICATIONS.
- 5. THE CONTRACTOR SHALL CHECK ALL DRAWINGS FURNISHED TO HIM IMMEDIATELY UPON THEIR RECEIPT AND SHALL PROMPTLY NOTIFY THE OWNER OF ANY DISCREPANCIES. FIGURES MARKED ON DRAWINGS SHALL IN GENERAL BE FOLLOWED IN PREFERENCE TO SCALE MEASUREMENTS. LARGE SCALE DRAWINGS SHALL IN GENERAL GOVERN SMALL SCALE DRAWINGS. THE CONTRACTOR SHALL COMPARE ALL DRAWINGS AND VERIFY THE FIGURES BEFORE LAYING OUT THE WORK AND WILL BE RESPONSIBLE FOR ANY ERRORS WHICH MIGHT HAVE BEEN AVOIDED THEREBY.
- 6. MATERIALS AND EQUIPMENT SHALL BE NEW AND SHALL BEAR THE UNDERWRITERS' LABEL (UL) AND SHALL BE INSTALLED IN THE MANNER FOR WHICH THEY ARE DESIGNED AND APPROVED.
- 7. THE CONTRACTOR SHALL NOT BORE, NOTCH OR IN ANY WAY CUT INTO ANY STRUCTURAL MEMBER WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT OR STRUCTURAL ENGINEER.
- 8. WHEN INSTALLING DRILLED-IN ANCHORS 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.
- 9. 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.
- 10. CONDUIT CONNECTIONS TO MACHINES AND EQUIPMENT SUBJECT TO VIBRATION (INCLUDING TRANSFORMERS) SHALL BE MADE WITH LFMC. PROVIDE SUFFICIENT SLACK TO ELIMINATE VIBRATION. ARRANGE CONNECTIONS TO PREVENT THE ENTRANCE OF MOISTURE. PROVIDE CONTINUOUS GROUND WIRE THROUGH LFMC TO ASSURE GROUND CONTINUITY. REFERENCE CEC 250.64 FOR GEC INSTALLATION.
- 11. FOR PURPOSES OF CLEARNESS AND LEGIBILITY, THE ELECTRICAL DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC. THE SIZE AND LOCATION OF EQUIPMENT IS SHOWN TO SCALE WHEREVER POSSIBLE. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS, DATA INFORMATION AS INDICATED ON THE DRAWINGS AND IN THE SPECIFICATION SECTIONS WHERE ELECTRICAL WORK INTERFACES WITH OTHER TRADES.
- 12. ELECTRICAL CONTRACTOR SHALL COMPLY WITH THE CALIFORNIA STATE HANDICAP LAWS WITH REGARD TO THE FOLLOWING:
  - A. MOUNTING HEIGHT OF RECEPTACLES NO OUTLET SHALL BE MOUNTED ON A WALL AT LESS THAN 18" AFF.
  - B. MOUNTING HEIGHT OF SWITCHES AND THERMOSTATS DEVICES SHALL BE MOUNTED AT NO HIGHER THAN 48" AFF FROM CENTER OF DEVICE, BUT NOT LESS THAN 36" AFF.
- 13. THE CONTRACTOR SHALL MAINTAIN AS-BUILT DRAWINGS TO REFLECT ALL CHANGES MADE DURING CONSTRUCTION AND ANY DEVIATIONS FROM THE ELECTRICAL DRAWINGS. THIS INCLUDES DEVIATIONS FROM CIRCUIT NUMBERS AND ANY ADDITION, DELETION OR RELOCATION OF OUTLETS SHOWN ON WORKING DRAWINGS.

#### 14. 2016 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 2016 CBC, SECTIONS 1616A.1.23, 1.24, 1.25, 1.26 AND ASCE 7-05 CHAPTER 13.

A. ALL PERMANENT EQUIPMENT AND COMPONENTS.

DIRECTLY SUPPORTS THE COMPONENT.

- 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 COMPONENT SHALL 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
- 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. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS

15. PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTES:

A. 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 7-05 SECTION 13.6.8, 13.6.7, 13.6.5.6, AND 2016 CBC, SECTIONS 1616A.1.23, 1.24, 1.25, 1.26.

B. 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 (OPA #) AS MODIFIED TO SATISFY ANCHORAGE REQUIREMENTS OF ACI 318, APPENDIX D.

C. 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.

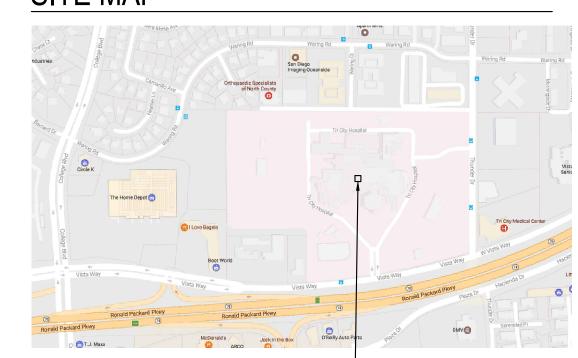
D. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

- 16. THE CONTRACTOR SHALL INSTALL ALL CONDUITS AND WIRES WITH A MINIMUM NUMBER OF BENDS AND IN SUCH A MANNER AS TO CONFORM TO THE STRUCTURE. AVOID OBSTRUCTIONS, PRESERVE HEAD ROOM, KEEP OPENINGS AND PASSAGEWAYS CLEAR AND MEET ALL STRUCTURAL CODE REQUIREMENTS.
- 17. PROVIDE TYPEWRITTEN DIRECTORY CARD IN ALL PANELS, IDENTIFY LOAD SERVED BY EACH CIRCUIT BREAKER.
- 18. EXPOSED CONDUITS BELOW 8 FEET SHALL BE RIGID GALVANIZED STEEL (RGS) UON.
- 19. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF CEILING MOUNTED FIXTURES.
- 20. 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.
- 21. CONTRACTOR SHALL COMPLY WITH ALL GROUNDING AND BONDING REQUIREMENTS OF C.E.C. 517-13, 517-14, 517-19, 517-20, 517-78, 517-82.
- 22. 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. PROVIDE ANGLE IRON SUPPORT BRACKETS.
- 23. THE CONTRACTOR SHALL OBTAIN BUILDING AND LICENSING PERMITS AND PAY ALL FEES, EXPENSES, AND INCIDENTAL COSTS ASSOCIATED WITH PROVIDING A COMPLETE AND OPERABLE INSTALLATION INCLUDING ALL CHARGES AND EXPENSES ASSOCIATED WITH FEDERAL, STATE, AND LOCAL AGENCIES.
- 24. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES AND INCLUDE THE COSTS FOR SUCH COORDINATION IN THE BID.
- 25. THE CONTRACTOR SHALL PROVIDE AN AS-BUILT SET OF DOCUMENTS AT PROJECT COMPLETION SHOWING CHANGES TO THE CONTRACT DOCUMENTS.
- 26. THE CONTRACTOR SHALL PROVIDE CONNECTION AND TERMINATION TO OWNER FURNISHED EQUIPMENT.
- 27. REFERENCE CEC 110.16 AND 110.24. CONTRACTOR TO PROVIDE ARC FLASH LABELS ON ALL ELECTRICAL EQUIPMENT AFFECTED BY SCOPE OF WORK.

#### **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.
- 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.
- BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT BE DETAILED ON THE PLANS. 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.
  - 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.
  - 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.

### SITE MAP



PROJECT LOCATION -

## SHEET INDEX

GENERAL NOTES, LEGEND, AND SHEET INDEX PARTIAL SINGLE LINE DIAGRAM & SCHEDULE PANEL SCHEDULES & LOAD SUMMARIES PARTIAL DEMOLITION EL COR DI ANIC

PARTIAL RENOVATION FLOOR PLANS

# ARCHITE

5151 Shoreham Place, Suite 100 San Diego, Ca 92122

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

## TCMC PHARMACY **USP 800 UPGRADE**

#### **Tri-City Medical Center**

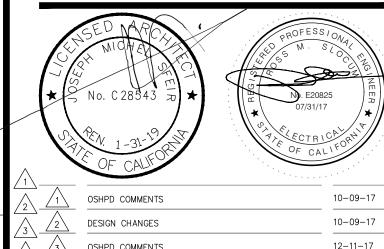
4002 Vista Way Oceanside, California 92056

TRI-CITY MEDICAL CENTER OWNER: 4002 VISTA WAY OCEANSIDE, CALIFORNIA 92056 TEL (760) 940-7709

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

MEP: P2S ENGINEERING, INC. 9665 CHESAPEAKE DRIVE, SUITE 230 SAN DIEGO, CA 92123 TEL(619)618-2347

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



REV: DESCRIPTION:



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

OSHPD #: S171641-37-00

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR **APPROVED** with comments

KC Huang, Sr. Architect Office of Statewide Health Planning & Development FACILITIES DEVELOPMENT DIVISION

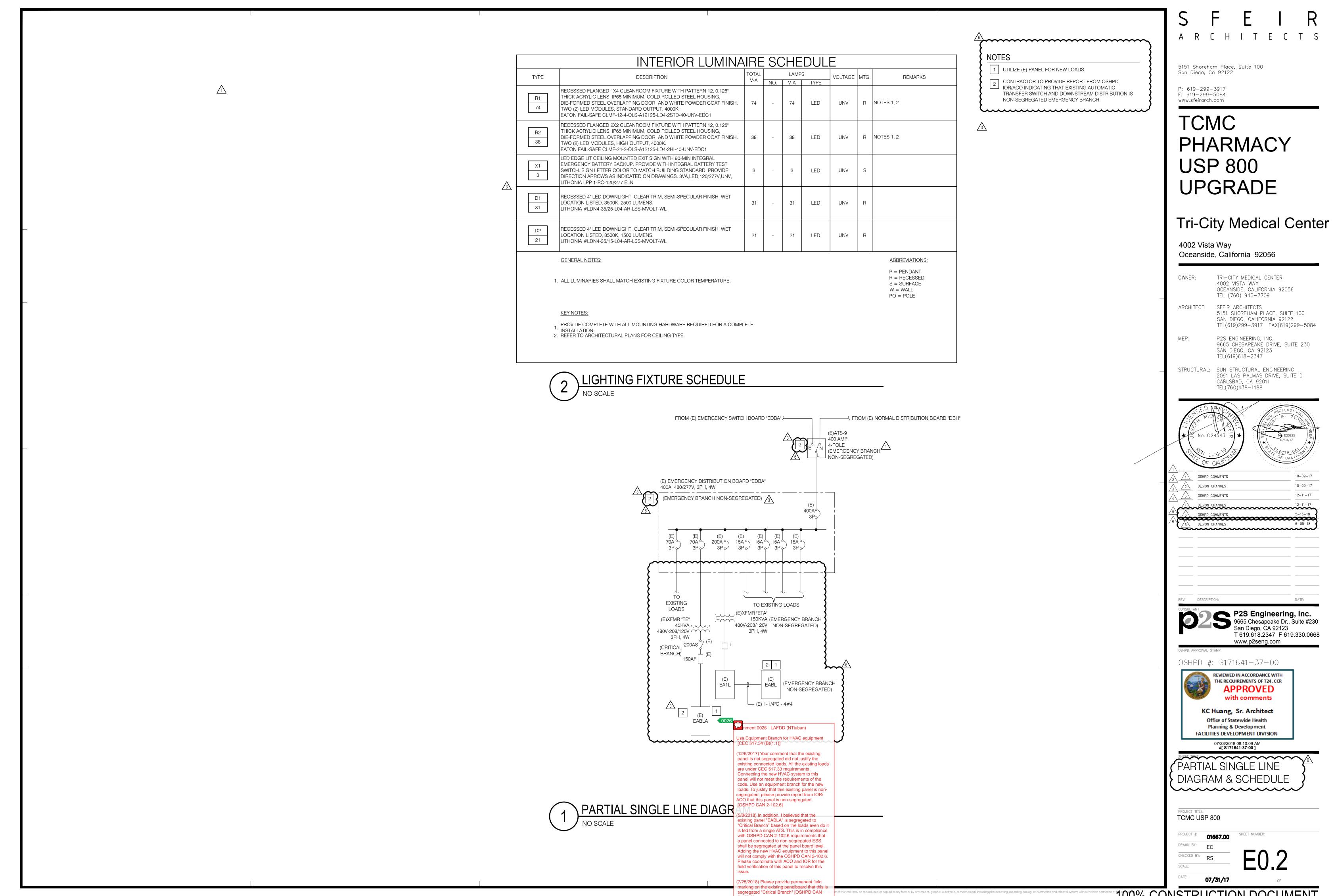
07/23/2018 08:10:09 AM #[ **S171641-37-00** ]

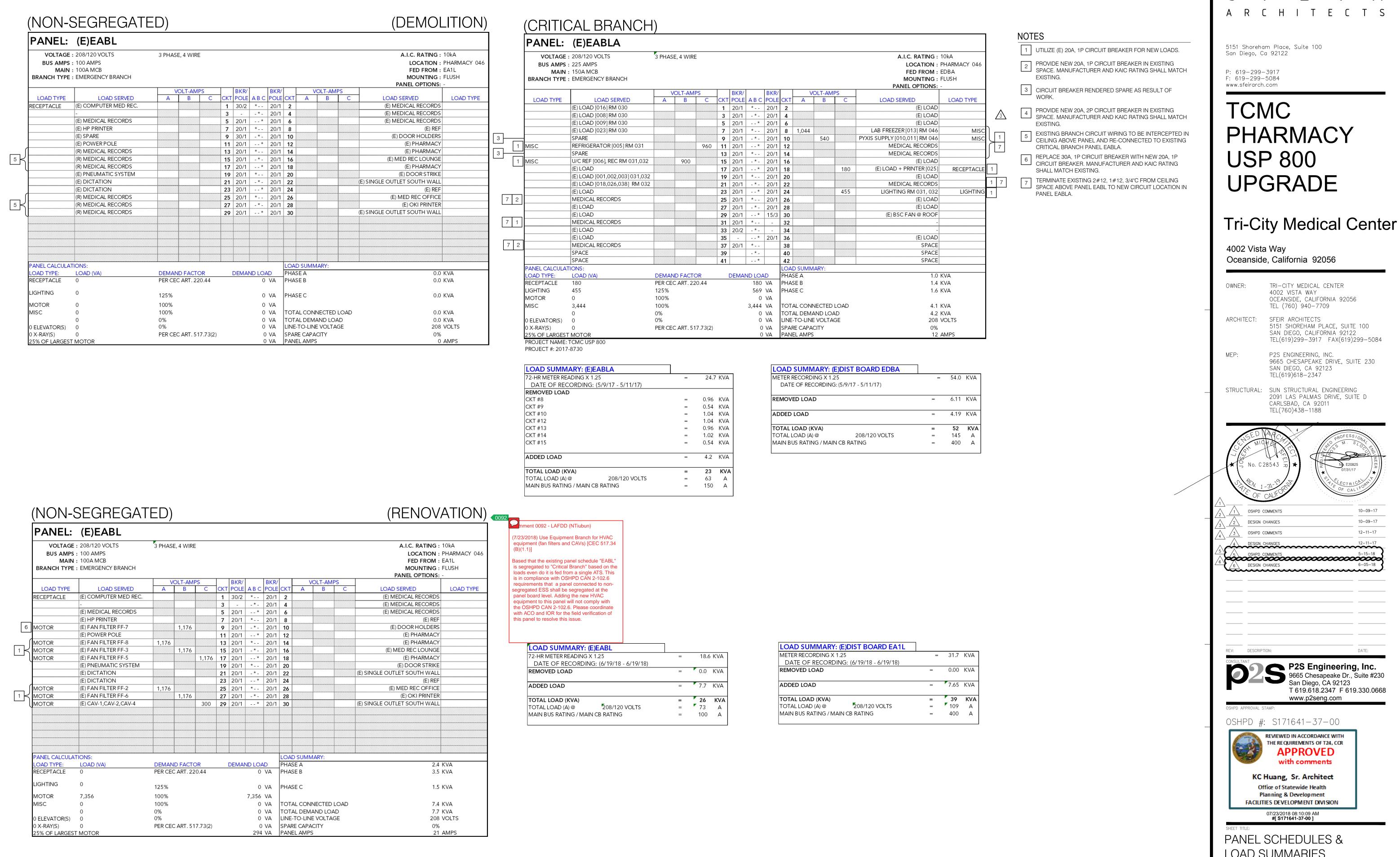
GENERAL NOTES, LEGEND, SYMBOLS AND SHEET INDEX

TCMC USP 800

DRAWN BY:

07/31/17





PANEL SCHEDULES & LOAD SUMMARIES

OSHPD #: S171641-37-00 REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR **APPROVED** with comments KC Huang, Sr. Architect Office of Statewide Health Planning & Development FACILITIES DEVELOPMENT DIVISION 07/23/2018 08:10:09 AM #[ **S171641-37-00** ] PANEL SCHEDULES & LOAD SUMMARIES TCMC USP 800 ~~~~~^6\ DRAWN BY: CHECKED BY: 07/31/17 100% CONSTRUCTION DOCUMENT

ARCHITECTS

5151 Shoreham Place, Suite 100

PHARMACY

**UPGRADE** 

Oceanside, California 92056

ARCHITECT: SFEIR ARCHITECTS

No. C 28543

OSHPD COMMENTS

REV: DESCRIPTION:

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CARLSBAD, CA 92011

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9665 CHESAPEAKE DRIVE, SUITE 230

2091 LAS PALMAS DRIVE, SUITE D

10-09-17

10-09-17

12-11-17

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TCMC

4002 Vista Way

OWNER:

MEP:

**USP 800** 

