TCMC PHARMACY
USP 800 UPGRADE

TRI-CITY MEDICAL CENTER

4002 VISTA WAY
OCEANSIDE,
CALIFORNIA 92056

CONSTRUCTION DOCUMENTS: 07/27/2017

1 OSHPD COMMENTS: 10/09/2017

2 DESIGN CHANGES: 10/09/2017

3 OSHPD COMMENTS: 12/11/2017

4 DESIGN CHANGES: 12/11/2017

5 OSHPD COMMENTS: 05/15/2018

6 DESIGN CHANGES: 06/05/2018

MEP:

P2S

9665 Chesapeake, suite 230
San Diego, CA 92123

P: 619-618-2347

ARCHITECTURE:

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

5151 Shoreham Pl., Suite 100
San Diego, CA 92122

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

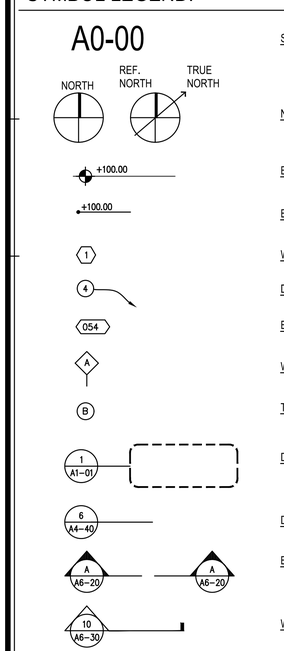
STRUCTURAL:

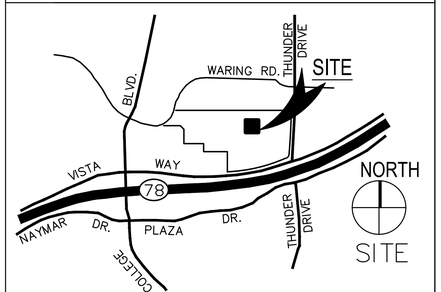
SUN Structural Engineering, Inc.

2091 Las Palmas Dr., Ste. D
Carlsbad, California 92011

760-438-1188
Fax: 760-438-1188

OSHPD PROJECT NUMBER:
S171641-37-00





ABBREVIATIONS:

ACT	ACOUSTICAL CEILING TILE	HORIZ	HORIZONTAL
ALUM	ALUMINUM	ID	INSIDE DIAMETER
ALT	ALTERNATE	INSUL	INSULATION
AP	ACCESS PANEL	INT	INTERIOR
ARCH	ARCHITECT	JAN	JANITOR
BD	BOARD	LAM	LAMINATE
BLDG	BUILDING	LLH	LONG LEG HORIZONTAL
BLK'G	BLOCKING	LLV	LONG LEG VERTICAL
BM	BEAM	LGT WGT	LIGHT WEIGHT
BOT	BOTTOM	MAX	MAXIMUM
CAB	CABINET	MECH	MECHANICAL
CAR	CARPET	MIN	MINIMUM
CEM	CEMENT	MISC	MISCELLANEOUS
CT	CERAMIC TILE	NIC	NOT IN CONTRACT
CLG	CEILING	NO/#	NUMBER
CLR	CLEAR	NTS	NOT TO SCALE
CTR	COUNTER	NR	NOT RATED
COL	COLUMN	OC	ON CENTER
CONSTR	CONSTRUCTION	OD	OUTSIDE DIAMETER
CONT	CONTINUOUS	OPNG	OPENING
CORR	CORRIDOR	OPP	OPPOSITE
DBL	DOUBLE	PL	PLATE/PROPERTY LINE
DEPT	DEPARTMENT	PL LAM	PLASTIC LAMINATE
DF	DRINKING FOUNTAIN	PLWD	PLYWOOD
DIA	DIAMETER	POL	POLISHED
DIM	DIMENSION	PR	PAIR
DISP	DISPENSER	PT	PRESSURE TREATED
DN	DOWN	PTD	PAINTED
DR	DRAIN	QTY	QUANTITY
DET	DETAIL	R	RADIUS
DWG	DRAWING	RD	ROOF DRAIN
DWR	DRAWER	REF	REFERENCE
EA	EACH	REINF	REINFORCING
EJ	EXPANSION JOINT	RM	ROOM
ELECT	ELECTRICAL	RO	ROUGH OPENING
ENCL	ENCLOSURE	RUB	RUBBER
EQ	EQUAL	SC	SOLID CORE
EW	EACH WAY	SCHED	SCHEDULE
EWC	ELECT WATER COOLER	SHR	SHOWER
EXG	EXISTING	SHT	SHEET
ETR	EXISTING TO REMAIN	SIM	SIMILAR
EXT	EXTERIOR	SMS	SHEET METAL SCREW
FD	FLOOR DRAIN	SPEC	SPECIFICATIONS
FEC	FIRE EXTINGUISHER CAB.	SQ	SQUARE
FHC	FIRE HOSE CABINET	ST STL	STAINLESS STEEL
FIN	FINISH	STD	STANDARD
FIXT	FIXTURE	STOR	STORAGE
FLR	FLOOR	STL	STEEL
FT	FEET	STRUCT	STRUCTURE
FURR	FURRING	SUSP	SUSPENDED
FV	FIELD VERIFY	TELE	TELEPHONE
F.O.F.	FRONT OF FINISH	TEMP	TEMPORARY
GA	GAUGE	THK	THICK
GALV	GALVANIZED	TYP	TYPICAL
GB	GRAB BAR	UON	UNLESS OTHERWISE NOTED
GL	GLASS	VCT	VINYL COMPOSITE TILE
GYP	GYPSUM	VERT	VERTICAL
HDR	HEADER	VEST	VESTIBULE
HDWD	HARDWOOD	W/	WITH
HDWR	HARDWARE	WD	WOOD
HGT	HEIGHT	W/O	WITHOUT
		WGT	WEIGHT

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.
5. ENSURE THAT TEMPORARY CONSTRUCTION PARTITIONS ARE SMOKE TIGHT AND CONSTRUCTED OF NON-COMBUSTIBLE MATERIALS.
6. PROVIDE ADDITIONAL FIRE FIGHTING EQUIPMENT AND TRAIN PERSONNEL IN ITS USE.

SYMBOL LEGEND:

SEISMIC BRACING

1. 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 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 DUCTILE MATERIALS.
3. 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
   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 LATERAL BRACING REQUIREMENTS OF THIS SECTIONS.

   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.

   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 SATISFIED:
      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_p 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.
4. 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 VERTICAL SUPPORT.
5. 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.
7. 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.

NOTE:

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 PROJECTS AT THE DISCRETION 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 ORDER.

C. THE LAYOUT DRAWINGS (WITH THE SHOP DRAWING STAMP) SHALL BE SUBMITTED TO OSHPD TO REVIEW:
   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.

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 MIXED.
   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

1. 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 .
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 DISABLED.
3. 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.
4. 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)
5. 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)
6. 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)
7. 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)
8. 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.
9. 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.
10. THE WIDTH OF THE LEVEL AREA ON THE SIDE TO WHICH THE DOOR SWINGS SHALL EXTEND 24 INCHES PAST THE STRIKE EDGE 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.
11. 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:

GENERAL NOTES

1. 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.
2. 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.
3. 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.
4. ALL WORK NOT SPECIFICALLY COVERED IN THE CONTRACT DOCUMENTS SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH CONSTRUCTION INDUSTRY STANDARDS.
5. DRAWINGS, THOUGH NOTED TO SCALE, ARE DIAGRAMMATICAL. DO NOT SCALE DRAWINGS.
6. ALL HEIGHTS ARE DIMENSIONED FROM TOP OF SLAB UNLESS OTHERWISE NOTED.
7. 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.
8. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL UTILITIES INDICATED ON THE INTERIOR ELEVATIONS WITH THE ELECTRICAL AND PLUMBING SUBCONTRACTORS.
9. 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.
11. 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.
12. CONTRACTOR TO PREVENT GALVANIC ACTION AND OTHER FORMS OF CORROSION BY INSULATING METALS AND OTHER MATERIALS FROM DIRECT CONTACT WITH INCOMPATIBLE MATERIALS.
13. 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.
14. 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.
15. THE CONTRACTOR SHALL COORDINATE ALL PHASING, ACCESS, DEBRIS, STAGING AREAS, AND HOURS OF CONSTRUCTION WITH OWNERS PRIOR TO START OF CONSTRUCTION.
16. CONTRACTOR TO PROVIDE REQUIRED DUST AND INFECTION CONTROL PROTECTION SYSTEM. MEANS AND METHODS TO BE COORDINATED WITH OWNER.
17. 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.
18. 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.
19. THE GENERAL CONTRACTOR SHALL SEPARATE DISSIMILAR METALS WITH BUILDING PAPER OR PLASTIC SHIM.
20. 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.
21. CONTRACTOR STAGING TO BE IN THE ROOMS UNDER REMODEL.
22. CONTRACTOR PARKING TO BE IN CONTRACTOR DESIGNATED PARKING AREA.
23. THE CONTRACTOR SHALL ENSURE THAT THE AREA UNDER REMODEL IS LOCKED AND OTHERWISE SECURED AFTER HOURS.
24. 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.
25. CONTRACTOR SHALL FURNISH AND APPLY CRETESEAL 2000 CONCRETE SEALER OR APPROVED EQUAL ON SLAB ON GRADE.

PROJECT INFORMATION:

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.
BSC ROOM = 94 SQ. FT.
IV PREP. ROOM = 139 SQ. FT.
TOTAL COMBINED AREA = 572 SQ. FT.

INDEX OF DRAWINGS:

COVER SHEET

ARCHITECTURAL:

A0-00	PROJECT INFORMATION
A1-00	SITE ACCESSIBILITY AND EGRESS PATH OF TRAVEL
A1-01	CODE COMPLIANCE FIRST FLOOR PLAN
A1-02	CODE COMPLIANCE BASEMENT LEVEL FLOOR PLAN
A1-03	PHARMACY FLOOR PLAN
A1-04	ADA CODE COMPLIANCE DETAILS
A4-00	PHASING PLAN
A4-01	DEMOLITION FLOOR PLAN
A4-10	NEW FLOOR PLAN
A4-20	DEMOLITION REFLECTED CEILING PLAN
A4-30	REFLECTED CEILING PLAN
A4-40	INTERIOR ELEVATIONS
A4-41	INTERIOR ELEVATIONS
A5-00	FIRE RATED ASSEMBLIES
A5-10	TYPICAL RATED PARTITION ASSEMBLIES
A5-30	ROOF PLAN
A5-60	GYPSUM CEILING DETAILS
A5-70	LAY IN CEILING DETAILS
A5-80	MILLWORK DETAILS
A6-00	DOOR AND INTERIOR OPENINGS SCHEDULE
A6-20	PROPOSED EQUIPMENT FLOOR PLAN
ID-1	NEW FINISHES PLAN
ID-2	FINISHES, NOTES & DETAILS

STRUCTURAL:

S-1	GENERAL NOTES TYPICAL DETAILS
S-2	PARTIAL FLOOR PLAN, PARTIAL PENTHOUSE ROOF PLAN
SDI	DETAILS
SD2	DETAILS
SD3	DETAILS

MECHANICAL:

M0-01	GENERAL NOTES, LEGEND, SYMBOLS, AND SHEET INDEX
M0-02	SCHEDULES
M1-10	ZONING PLAN
M2-10	PARTIAL RENOVATION FIRST FLOOR AND ROOF PLAN
M2-11	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:

P0-01	GENERAL NOTES, LEGEND, SYMBOLS, AND SHEET INDEX
P0-02	SCHEDULES AND DETAILS
P2-10	PARTIAL RENOVATION FLOOR PLAN
PD2-10	PARTIAL DEMOLITION FLOOR PLAN

ELECTRICAL:

E0.1	GENERAL NOTES, LEGEND, SYMBOLS AND SHEET INDEX
E0.2	PARTIAL SINGLE LINE DIAGRAM, SCHEDULES, & LOAD SUMMARY
ED2.1	PARTIAL DEMOLITION FLOOR PLANS
E2.1	PARTIAL RENOVATION FLOOR PLANS
E0.3	PANEL SCHEDULES & LOAD SUMMARIES

DEFERRED APPROVALS

-FIRE ALARM
-FIRE PROTECTION
-SIGNAGE

APPLICABLE CODES AND REGULATIONS:

2016	CALIFORNIA ADMINISTRATIVE CODE (CAC) (PART 1, TITLE 24, CCR)
2016	CALIFORNIA BUILDING CODE (CBC) (PART 2, TITLE 24, CCR)
2016	CALIFORNIA ELECTRICAL CODE (CEC) (PART 3, TITLE 24, CCR)
2016	CALIFORNIA MECHANICAL CODE (CMC) (PART 4, TITLE 24, CCR)
2016	CALIFORNIA PLUMBING CODE (CPC) (PART 5, TITLE 24, CCR)
2016	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:

APPLICATION NUMBER: S171641-37-00

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

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

OWNER: 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

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

LICENSED ARCHITECT
JOSEPH MICHEL SFEIR
No. C28543
REN. 1-31-19
STATE OF CALIFORNIA

REV:	DESCRIPTION:	DATE:
1	OSHPD COMMENTS	10-09-17
2	DESIGN CHANGES	10-09-17
3	OSHPD COMMENTS	12-11-17
4	DESIGN CHANGES	12-11-17
5	OSHPD COMMENTS	5-15-18
6	DESIGN CHANGES	6-05-18

CONSULTANT

OSHPD APPROVAL STAMP:
OSHPD #: S171641-37-00

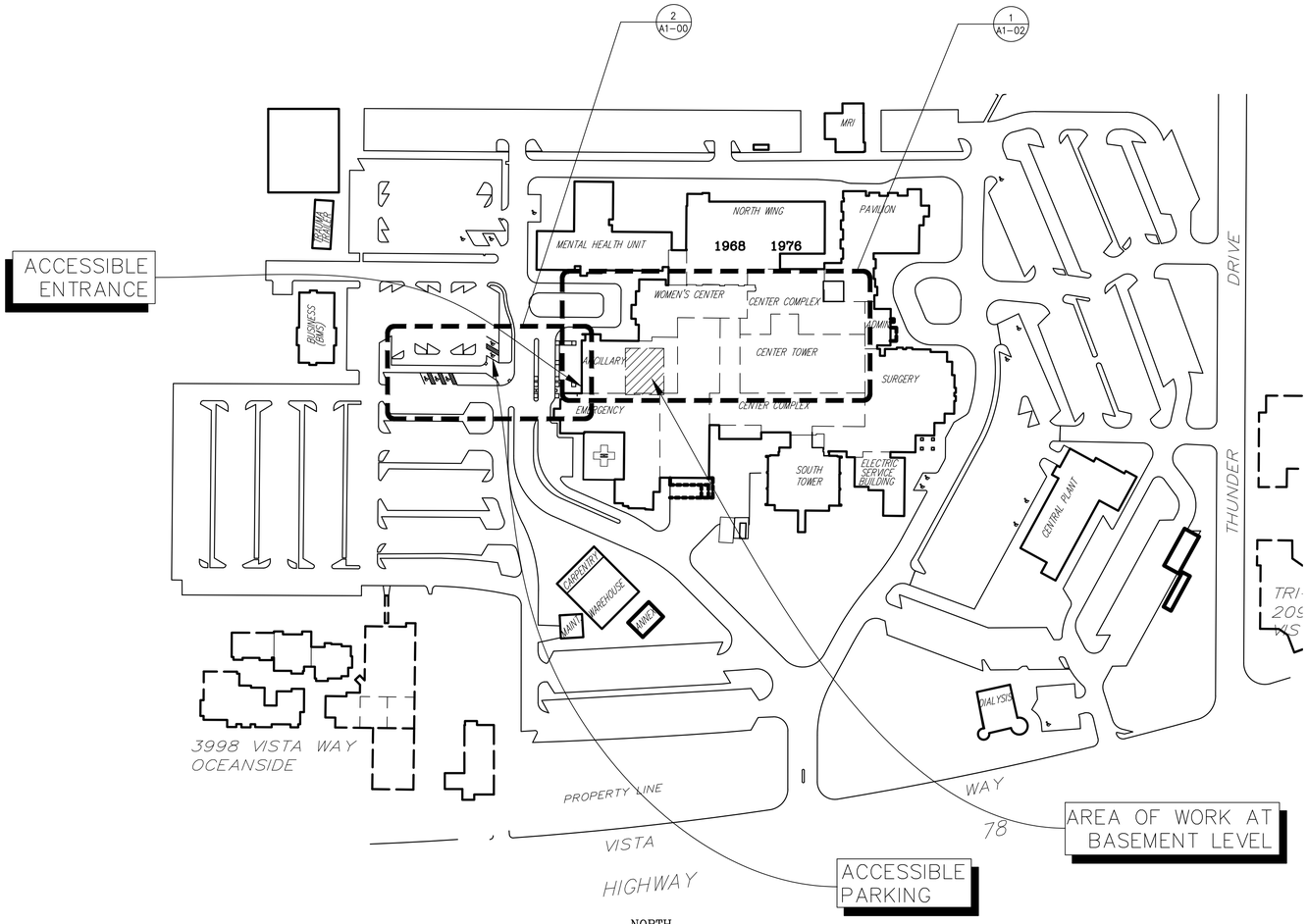
SHEET TITLE:
PROJECT INFORMATION

PROJECT TITLE:
TCMC USP 800

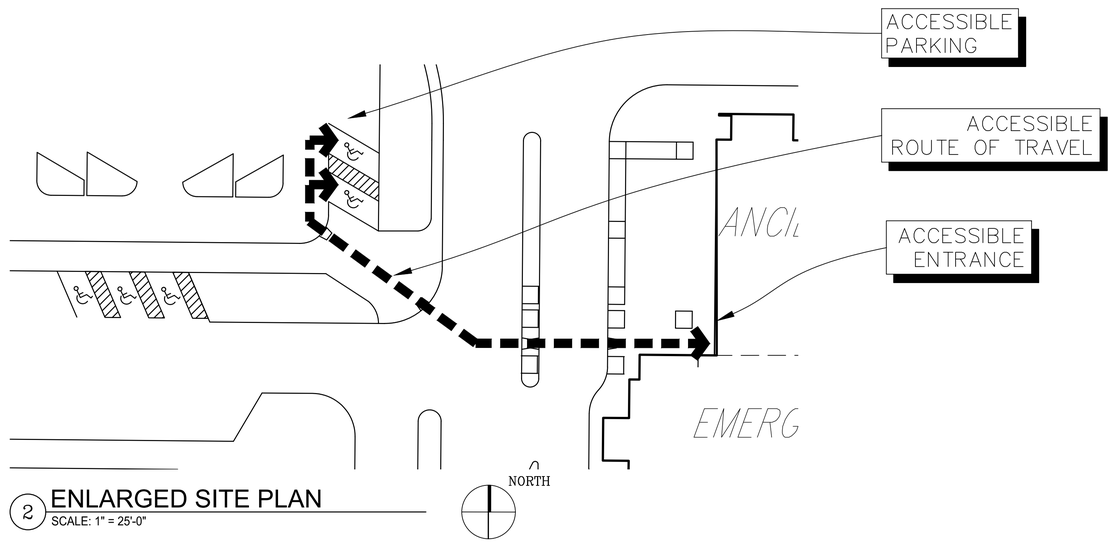
PROJECT #: 01667.00
DRAWN BY: LN
CHECKED BY: JS
SCALE: AS SHOWN
DATE: 07/31/17

SHEET NUMBER:
A0-00
OF

100% CONSTRUCTION DOCUMENT



1 SITE PLAN
SCALE: 1" = 80'-0"



2 ENLARGED SITE PLAN
SCALE: 1" = 25'-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.

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.
- 1 SD — INDICATES AN EXISTING 1 HOUR SMOKE BARRIER
- 3 SP — INDICATES AN EXISTING 1 HOUR SMOKE PARTITION
- FP — INDICATES AN EXISTING ONE HOUR FIRE RATED PARTITION TO REMAIN. ALL PENETRATIONS SHALL BE PROTECTED WITH A UL-LISTED FIRE STOP SYSTEM.
- FB — 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.
- SD — INDICATES A NEW 1 HOUR SMOKE BARRIER
- SP — INDICATES A NEW 1 HOUR SMOKE PARTITION
- FP — INDICATES A NEW ONE HOUR RATED FIRE PARTITION EXTENDING TO THE UNDERSIDE OF THE STRUCTURE ABOVE. ALL PENETRATIONS SHALL BE PROTECTED WITH A UL-LISTED FIRE STOP SYSTEM.
- 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.
- 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.
- X — WALL TYPE REFERENCE REFER TO SHEET A5-10.

PARTITION NOTES:

1. 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.
2. 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.

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

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

OWNER: 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

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

LICENSED ARCHITECT
JOSEPH MICHAEL SFEIR
No. C 28543
REN. 1-31-19
STATE OF CALIFORNIA

REV:	DESCRIPTION:	DATE:
1	OSHPD COMMENTS	10-09-17
2	DESIGN CHANGES	10-09-17
3	OSHPD COMMENTS	12-11-17
4	DESIGN CHANGES	12-11-17
5	OSHPD COMMENTS	5-15-18
6	DESIGN CHANGES	6-05-18

CONSULTANT

OSHPD APPROVAL STAMP:

OSHPD #: S171641-37-00

SHEET TITLE:

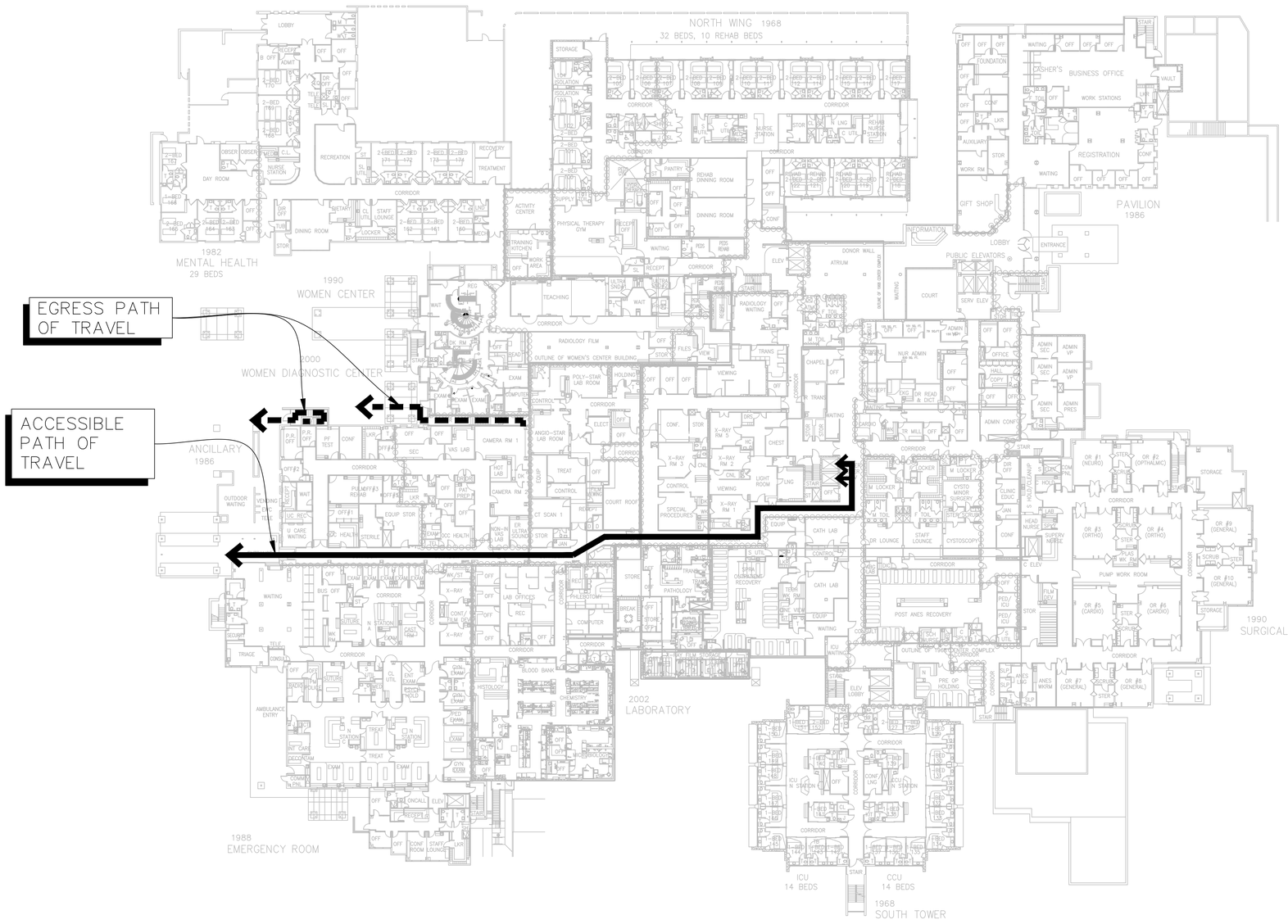
SITE ACCESSIBILITY AND EGRESS PATH OF TRAVEL

PROJECT TITLE:
TCMC USP 800

PROJECT #: 01667.00
DRAWN BY: JD
CHECKED BY: JS
SCALE: AS SHOWN
DATE: 07/31/17

SHEET NUMBER:
A1-00
OF

100% CONSTRUCTION DOCUMENT



1 CODE COMPLIANCE FIRST FLOOR PLAN
SCALE: 1/32" : 1'-0"

NORTH

GENERAL NOTES:

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

PARTITION LEGEND:

- ACCESSIBLE PATH OF TRAVEL.
- EGRESS PATH OF TRAVEL.
- ONE-HOUR RATED CORRIDOR.
- INDICATES AN EXISTING MEMBRANE OF PARTITION OR PARTITION TO BE REMOVED. REFER TO DEMOLITION PLAN FOR FURTHER REQUIREMENTS.
- INDICATES AN EXISTING PARTITION TO REMAIN. REFER TO PLAN FOR UPGRADE REQUIREMENTS.
- (1) INDICATES AN EXISTING 1 HOUR SMOKE BARRIER
- (3) 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 SYSTEM.
- INDICATES AN EXISTING ONE HOUR RATED FIRE BARRIER TO REMAIN, ALL PENETRATIONS SHALL BE PROTECTED WITH A UL-LISTED FIRE STOP SYSTEM.
- 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 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 ABOVE. ALL PENETRATIONS SHALL BE PROTECTED 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.
- (X) WALL TYPE REFERENCE REFER TO SHEET A5-10.

PARTITION NOTES:

1. 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.
2. 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.

SFEIR 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

OWNER: 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

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

LICENSED ARCHITECT
JOSEPH MICHAEL SFEIR
No. C 28543
REN. 1-31-19
STATE OF CALIFORNIA

REV:		DESCRIPTION:	DATE:
1	1	OSHPD COMMENTS	10-09-17
2	2	DESIGN CHANGES	10-09-17
3	3	OSHPD COMMENTS	12-11-17
4	4	DESIGN CHANGES	12-11-17
5	5	OSHPD COMMENTS	5-15-18
6	6	DESIGN CHANGES	6-05-18

CONSULTANT

OSHPD APPROVAL STAMP:

OSHPD #: S171641-37-00

SHEET TITLE:

CODE COMPLIANCE FIRST FLOOR PLAN

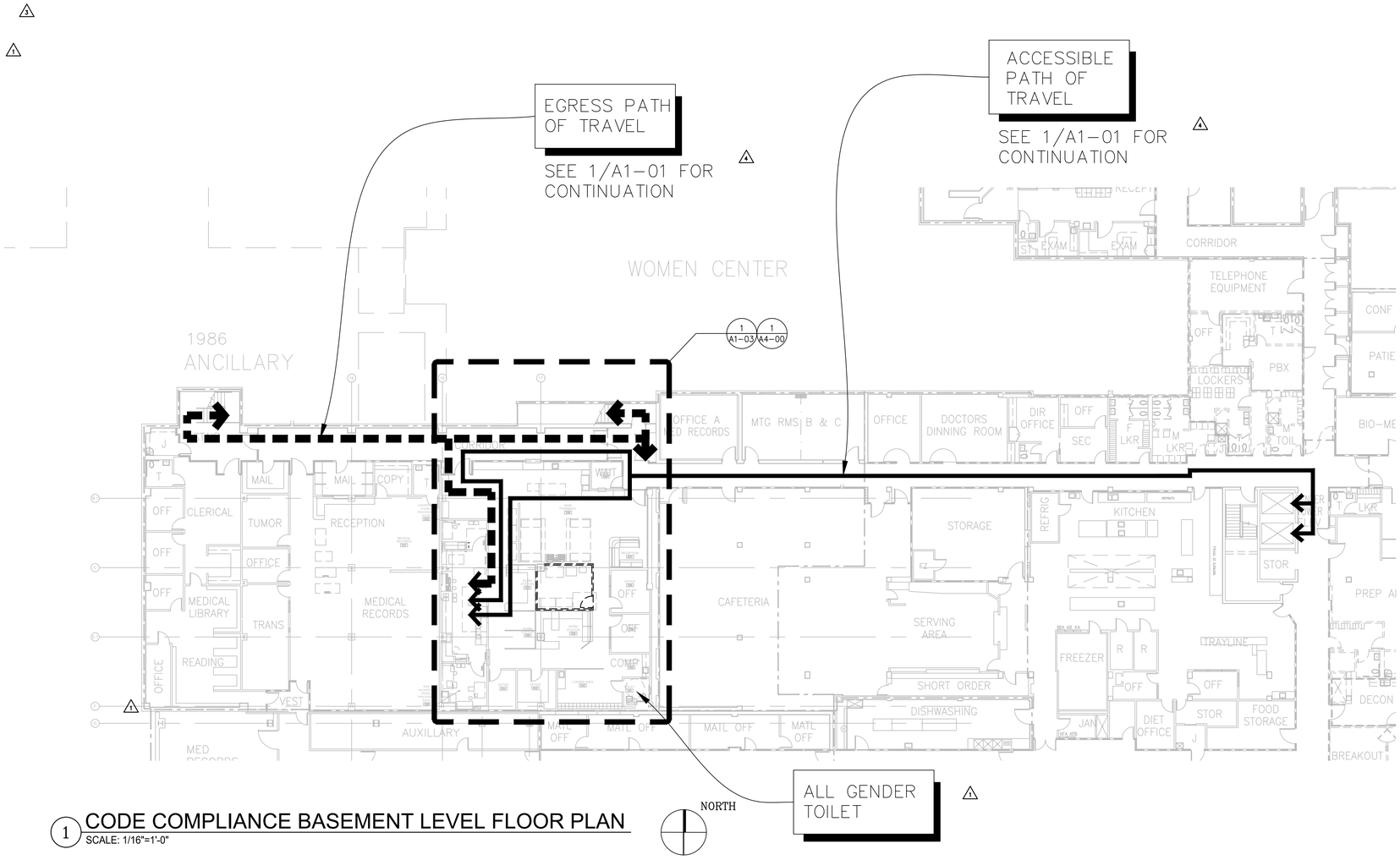
PROJECT TITLE:
TCMC USP 800

PROJECT #: 01667.00
DRAWN BY: LN
CHECKED BY: JS
SCALE: AS SHOWN
DATE: 07/31/17

SHEET NUMBER:

A1-01
OF

100% CONSTRUCTION DOCUMENT



1 CODE COMPLIANCE BASEMENT LEVEL FLOOR PLAN
SCALE: 1/16"=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.

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.
- 1 SB — INDICATES AN EXISTING 1 HOUR SMOKE BARRIER
- 3 SP — INDICATES AN EXISTING 1 HOUR SMOKE PARTITION
- FP — INDICATES AN EXISTING ONE HOUR FIRE RATED PARTITION TO REMAIN. ALL PENETRATIONS SHALL BE PROTECTED WITH A UL-LISTED FIRE STOP SYSTEM.
- FB — 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.
- SB — INDICATES A NEW 1 HOUR SMOKE BARRIER
- SP — INDICATES A NEW 1 HOUR SMOKE PARTITION
- FP — INDICATES A NEW ONE HOUR RATED FIRE PARTITION EXTENDING TO THE UNDERSIDE OF THE STRUCTURE ABOVE. ALL PENETRATIONS SHALL BE PROTECTED WITH A UL-LISTED FIRE STOP SYSTEM.
- 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.
- 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.
- X — WALL TYPE REFERENCE REFER TO SHEET A5-10.

PARTITION NOTES:

1. 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.
2. 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.

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

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

OWNER: 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

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

LICENSED ARCHITECT
JOSEPH MICHAEL SFEIR
No. C 28543
REN. 1-31-19
STATE OF CALIFORNIA

REV:		DESCRIPTION:	DATE:
1	1	OSHPD COMMENTS	10-09-17
2	2	DESIGN CHANGES	10-09-17
3	3	OSHPD COMMENTS	12-11-17
4	4	DESIGN CHANGES	12-11-17
5	5	OSHPD COMMENTS	5-15-18
6	6	DESIGN CHANGES	6-05-18

CONSULTANT

OSHPD APPROVAL STAMP:

OSHPD #: S171641-37-00

SHEET TITLE:

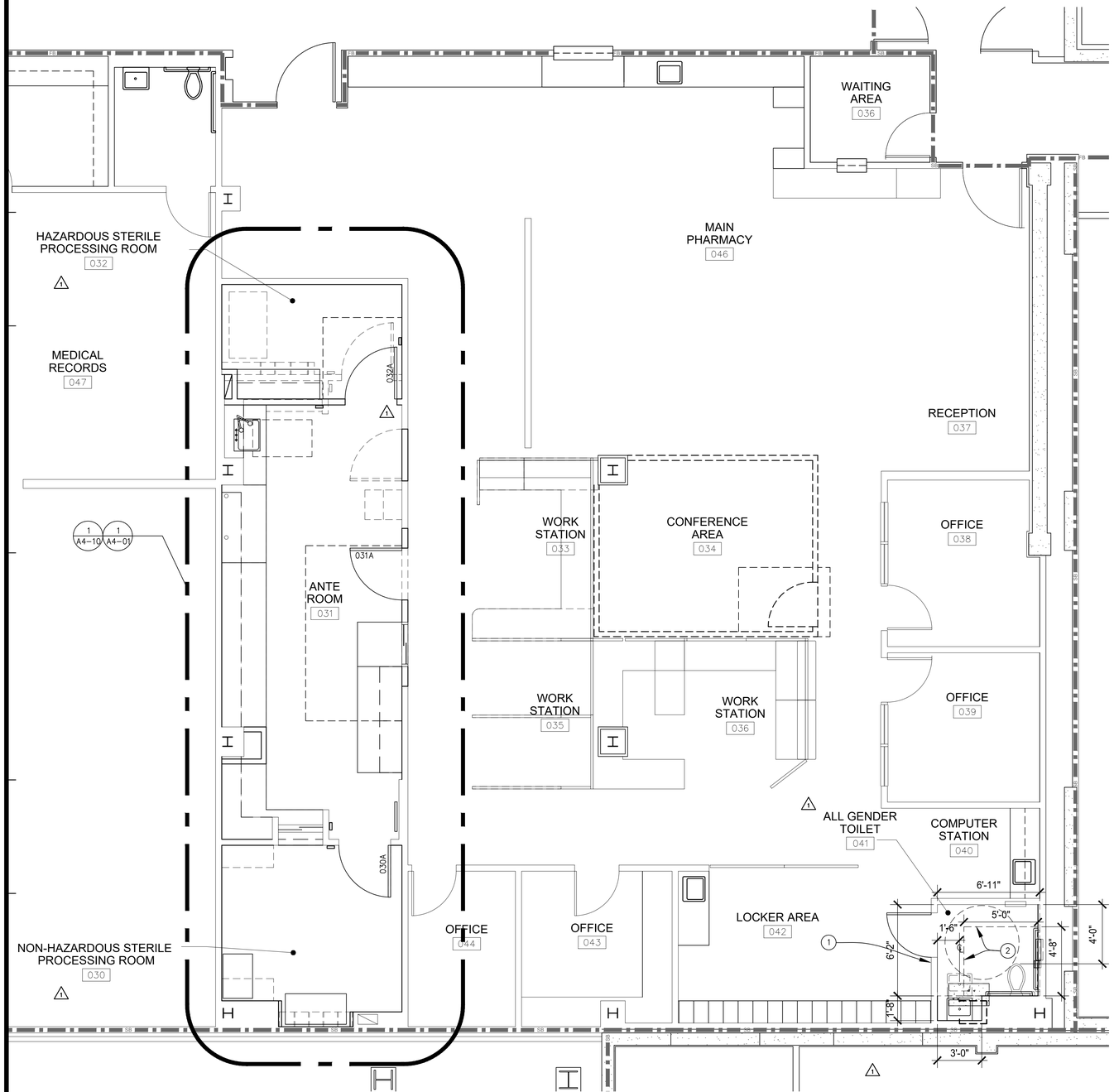
CODE COMPLIANCE BASEMENT LEVEL FLOOR PLAN

PROJECT TITLE:
TCMC USP 800

PROJECT #: 01667.00
DRAWN BY: LN
CHECKED BY: JS
SCALE: AS SHOWN
DATE: 07/31/17

SHEET NUMBER:
A1-02
OF

100% CONSTRUCTION DOCUMENT



1 PHARMACY FLOOR PLAN
SCALE: 1/4" = 1'-0"

NORTH

GENERAL NOTES:

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

PARTITION LEGEND:

- ACCESSIBLE PATH OF TRAVEL.
- EGRESS PATH OF TRAVEL.
- ONE-HOUR RATED CORRIDOR.
- INDICATES AN EXISTING MEMBRANE OF PARTITION OR PARTITION TO BE REMOVED. REFER TO DEMOLITION PLAN FOR FURTHER REQUIREMENTS.
- INDICATES AN EXISTING PARTITION TO REMAIN. REFER TO PLAN FOR UPGRADE REQUIREMENTS.
- (1) SB — INDICATES AN EXISTING 1 HOUR SMOKE BARRIER
- (3) SP — INDICATES AN EXISTING 1 HOUR SMOKE PARTITION
- FP — INDICATES AN EXISTING ONE HOUR FIRE RATED PARTITION TO REMAIN. ALL PENETRATIONS SHALL BE PROTECTED WITH A UL-LISTED FIRE STOP SYSTEM.
- FB — 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.
- SB — INDICATES A NEW 1 HOUR SMOKE BARRIER
- SP — INDICATES A NEW 1 HOUR SMOKE PARTITION
- FP — INDICATES A NEW ONE HOUR RATED FIRE PARTITION EXTENDING TO THE UNDERSIDE OF THE STRUCTURE ABOVE. ALL PENETRATIONS SHALL BE PROTECTED WITH A UL-LISTED FIRE STOP SYSTEM.
- 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.
- 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.
- (X) WALL TYPE REFERENCE REFER TO SHEET A5-10.

PARTITION NOTES:

1. 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.
2. 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.

PHARMACY FLOOR PLAN KEYNOTES:

(1) REMOVE EXISTING SIGNAGE AND ADD NEW SIGNAGE PER DETAIL 2/A1-04.

(2) 60" WIDE BY 56" DEEP SPACE.

SFEIR 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

OWNER: 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

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

LICENSED ARCHITECT — JOSEPH MICHAEL SFEIR — No. C 28543 — REN. 1-31-19 — STATE OF CALIFORNIA

REV:		DESCRIPTION:	DATE:
1	1	OSHPD COMMENTS	10-09-17
2	2	DESIGN CHANGES	10-09-17
3	3	OSHPD COMMENTS	12-11-17
4	4	DESIGN CHANGES	12-11-17
5	5	OSHPD COMMENTS	5-15-18
6	6	DESIGN CHANGES	6-05-18

CONSULTANT

OSHPD APPROVAL STAMP:

OSHPD #: S171641-37-00

SHEET TITLE:

PHARMACY FLOOR PLAN

PROJECT TITLE:
TCMC USP 800

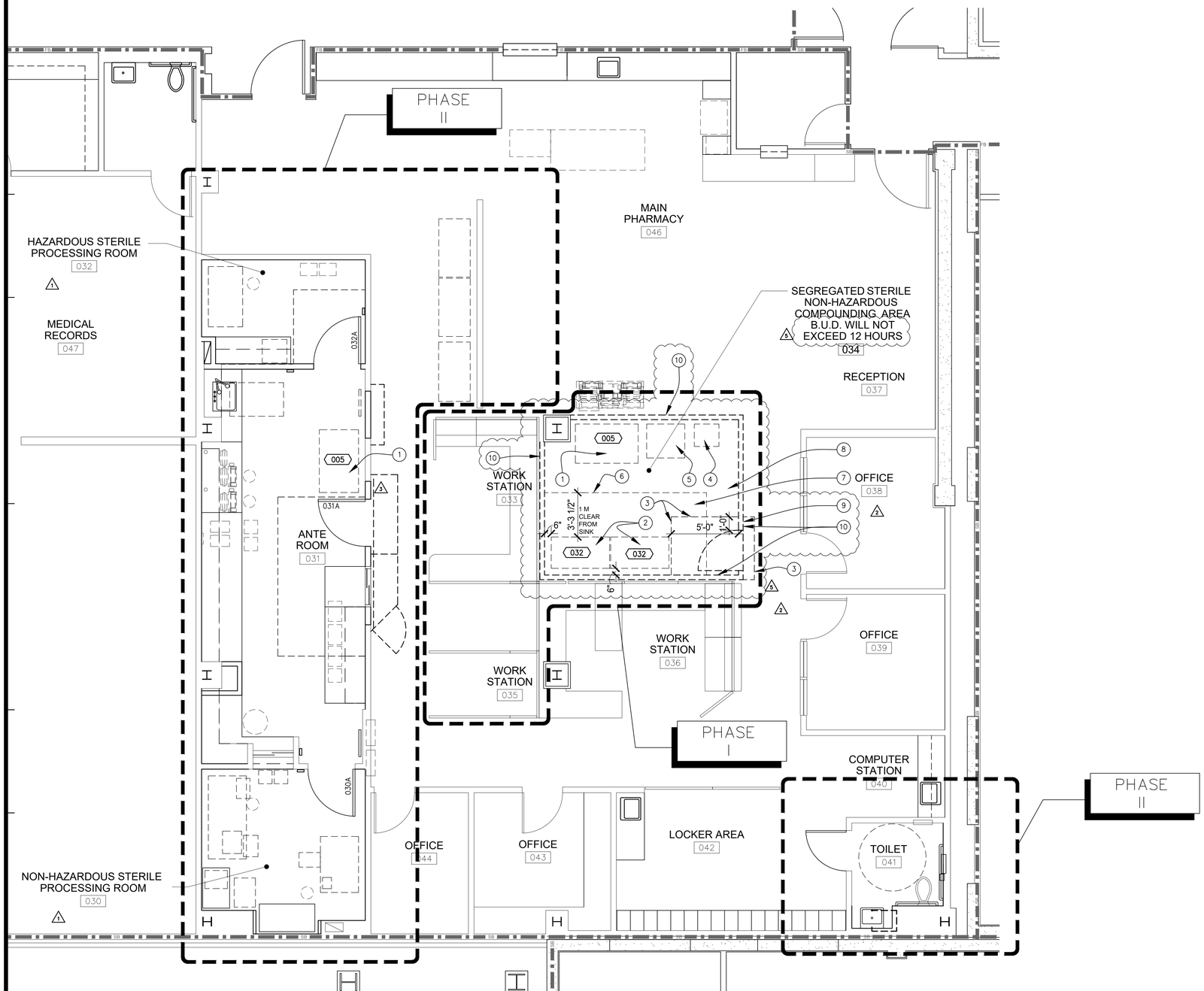
PROJECT #: 01667.00
DRAWN BY: AR
CHECKED BY: JS
SCALE: 1/4" = 1'-0"
DATE: 07/31/17

SHEET NUMBER:

A1-03

OF

100% CONSTRUCTION DOCUMENT



1 PHARMACY FLOOR PLAN
SCALE: 1/4" = 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.

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.
- 1 SB — INDICATES AN EXISTING 1 HOUR SMOKE BARRIER
- 3 SP — INDICATES AN EXISTING 1 HOUR SMOKE PARTITION
- FP — INDICATES AN EXISTING ONE HOUR FIRE RATED PARTITION TO REMAIN. ALL PENETRATIONS SHALL BE PROTECTED WITH A UL-LISTED FIRE STOP SYSTEM.
- FB — 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.
- SB — INDICATES A NEW 1 HOUR SMOKE BARRIER
- SP — INDICATES A NEW 1 HOUR SMOKE PARTITION
- FP — INDICATES A NEW ONE HOUR RATED FIRE PARTITION EXTENDING TO THE UNDERSIDE OF THE STRUCTURE ABOVE. ALL PENETRATIONS SHALL BE PROTECTED WITH A UL-LISTED FIRE STOP SYSTEM.
- 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.
- 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.
- X — WALL TYPE REFERENCE REFER TO SHEET A5-10.

PARTITION NOTES:

1. 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.
2. 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.

PHASING PLAN KEYNOTES:

4

1. INSTALL COMPOUNDING WORK STATION ISO 5 POSITIVE (EQUIPMENT 005) - REFRIGERATOR IN PHASE I AND MOVE IT TO PHASE II AFTER CONSTRUCTION COMPLETION.
2. INSTALL EQUIPMENT 032 ISOLATOR AND REMOVE AFTER CONSTRUCTION COMPLETION.
3. DEMARCATION LINE. FLOOR MARKING 2 " WIDE YELLOW TAPE.
4. TEMPORARY MOBILE EYE WASH STATION.
5. TEMPORARY MOBILE SCRUB SINK STATION.
6. LIMITS OF SEGREGATED AREA AROUND BUFFER AREA.
7. INSTALL FIRE RESISTIVE CORRUGATED BOARD - COROPLAST® FIREWALL FRB CLASS 94V-2 ABOVE SEGREGATED STERILE COMPOUNDING AREA. SECURE CORRUGATED BOARD TO CEILING GRID WITH 16 GAGE WIRE TIE TO CEILING GRID @ 16" O.C. KEEP ALL CEILING FIXTURES OPEN AND ACCESSIBLE INCLUDING LIGHTS, FIRE PROTECTION, FIRE ALARM, AIR DIFFUSERS AND RETURN AND ALL OTHER EQUIPMENT.
8. DONNING AND DOFFING AREA.

3

9. ADD SIGN INCLUDING FULL NAME OF TEMPORARY PHARMACY ROOM NAME PER PLAN SHOWN IN 1/A4-00 "SEGREGATED STERILE NON-HAZARDOUS COMPOUNDING AREA B.U.D. WILL NOT EXCEED 12 HOURS."
10. INSTALL TEMPORARY WALL AROUND TEMPORARY SEGREGATED STERILE COMPOUNDING AREA DURING PHASE I, TO BE REMOVED AT THE COMPLETION OF PHASE II. COMPOSED OF FIRE RESISTIVE CORRUGATED BOARD - COROPLAST® FIREWALL FRB CLASS 94V-2 ON 250S162-33 LIGHTWEIGHT METAL STUDS SPACED AT 16" O.C. FROM FLOOR TO CEILING.

SFEIR 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

OWNER: 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

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

LICENSED ARCHITECT — JOSEPH MICHAEL SFEIR — No. C 28543 — REN. 1-31-19 — STATE OF CALIFORNIA

REV:		DESCRIPTION:	DATE:
1	1	OSHPD COMMENTS	10-09-17
2	2	DESIGN CHANGES	10-09-17
3	3	OSHPD COMMENTS	12-11-17
4	4	DESIGN CHANGES	12-11-17
5	5	OSHPD COMMENTS	5-15-18
6	6	DESIGN CHANGES	6-05-18

CONSULTANT

OSHPD APPROVAL STAMP:

OSHPD #: S171641-37-00

SHEET TITLE:

PHASING PLAN

PROJECT TITLE:
TCMC USP 800

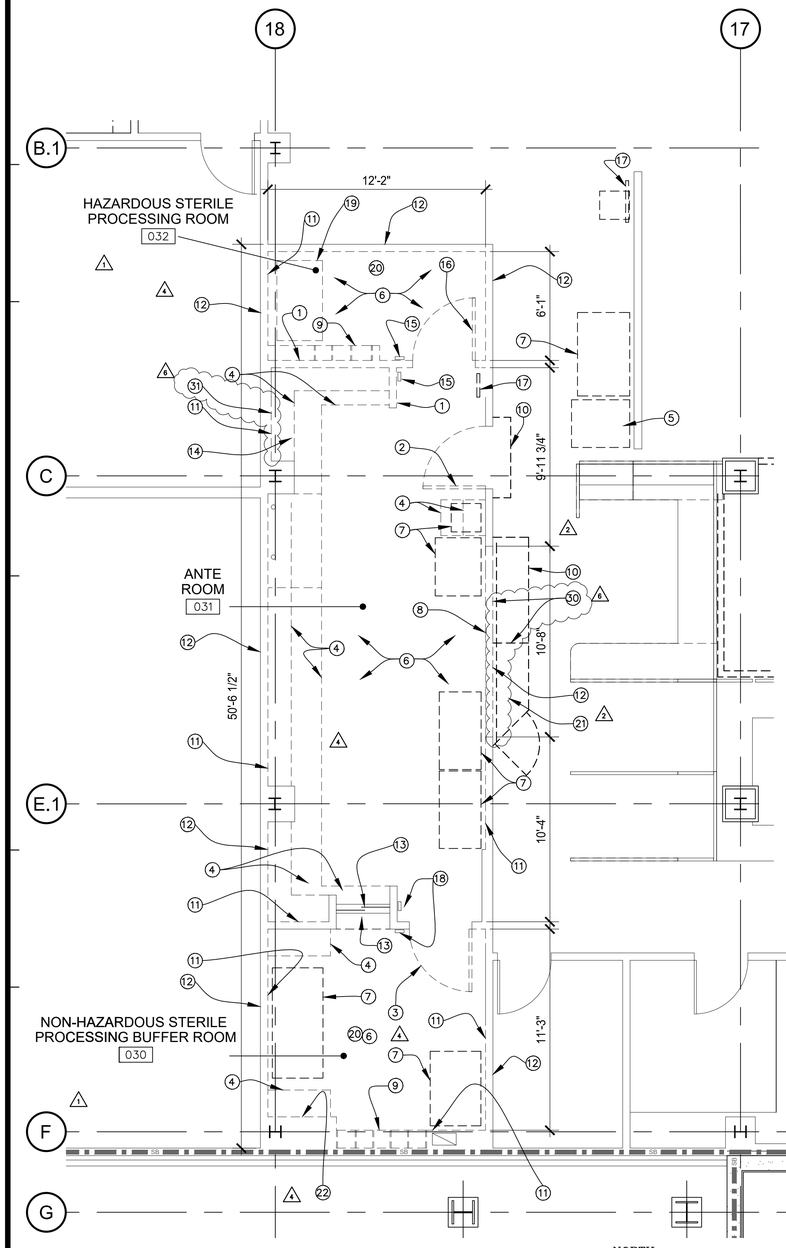
PROJECT #: 01667.00
DRAWN BY: NI
CHECKED BY: JS
SCALE: 1/4" = 1'-0"
DATE: 07/31/17

SHEET NUMBER:

A4-00

OF

100% CONSTRUCTION DOCUMENT



1 DEMOLITION FLOOR PLAN
SCALE: 1/4" = 1'-0"

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 BUILDING PAPER OR PLASTIC SHIM.
5. 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.
8. CONTRACTOR PARKING TO BE IN CONTRACTOR DESIGNATED PARKING AREA.
9. THE CONTRACTOR SHALL ENSURE THAT THE AREA UNDER REMODEL IS LOCKED AND OTHERWISE SECURED AFTER HOURS.
10. UNLESS OTHERWISE NOTED, CONTRACTOR SHALL COORDINATE WITH THE OWNER THE REMOVAL OF EXISTING EQUIPMENT INDICATED ON DRAWINGS.
11. DASHED LINES INDICATE ITEMS TO BE DEMOLISHED OR REMOVED. REFER TO FLOOR PLAN, CEILING PLAN AND ROOM FINISH SCHEDULE ALONG WITH MECHANICAL, PLUMBING, ELECTRICAL, FIRE PROTECTION, AND FIRE ALARM SECTIONS FOR FURTHER DESCRIPTION OF SCOPE OF WORK.
12. REFER TO DEMOLITION PLAN FOR NOTES INDICATING TYPE OF FINISHES WITHIN THE EXISTING SPACE TO BE REMOVED.
13. REFER TO RELATED PLANS FOR PORTIONS OF EXISTING CONSTRUCTION SCHEDULED TO REMAIN.
14. PATCH NEW WORK TO MATCH AND ALIGN WITH THE EXISTING. COMPLETELY REMOVE EXISTING FINISHES WHERE NEW FINISHES ARE SCHEDULED.
15. CONTRACTOR SHALL PRESERVE AND PROTECT THE EXISTING AREA, EQUIPMENT, CABINETRY ETC. ADJACENT TO THE AREA OF WORK
16. REFER TO NEW PLAN AND INTERIOR ELEVATIONS FOR LOCATION OF NEW WALL CONNECTIONS, OPENINGS, RECESSED ITEMS, BACKING PLATES, ETC. AT EXISTING WALLS. REMOVE GYPSUM BOARD WHERE NEEDED TO ACCOMMODATE FOR THE ABOVE WORK.
17. CAP AND CLOSE ALL ABANDONED OPENINGS AT EXISTING SLAB. FILL AND PATCH TO LEVEL FLOOR. REFER TO STRUCTURAL DETAIL FOR INFILL OPENING DETAIL. NOTE THAT THE NUMBER OF EXISTING OPENINGS TO BE FILLED IS ONLY INDICATIVE. REFER TO MEP FOR MORE INFORMATION. NOTIFY ARCHITECT OF UNCOVERED EXISTING CONDITIONS.
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 CONTRACTS.
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 CONSTRUCTION.
20. EXISTING EQUIPMENT SHALL BE RELOCATED BY G.C. COORDINATE TEMPORARY LOCATION WITH OWNER. MOVE BACK EQUIPMENT FOR FINAL LOCATION PER EQUIPMENT FLOOR PLAN.

GENERAL NOTES:

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

PARTITION LEGEND:

- ACCESSIBLE PATH OF TRAVEL.
- EGRESS PATH OF TRAVEL.
- ONE-HOUR RATED CORRIDOR.
- INDICATES AN EXISTING MEMBRANE OF PARTITION OR PARTITION TO BE REMOVED. REFER TO DEMOLITION PLAN FOR FURTHER REQUIREMENTS.
- INDICATES AN EXISTING PARTITION TO REMAIN. REFER TO PLAN FOR UPGRADE REQUIREMENTS.
- (1) SB — INDICATES AN EXISTING 1 HOUR SMOKE BARRIER
- (3) SP — INDICATES AN EXISTING 1 HOUR SMOKE PARTITION
- FP — INDICATES AN EXISTING ONE HOUR FIRE RATED PARTITION TO REMAIN. ALL PENETRATIONS SHALL BE PROTECTED WITH A UL-LISTED FIRE STOP SYSTEM.
- FB — 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.
- SB — INDICATES A NEW 1 HOUR SMOKE BARRIER
- SP — INDICATES A NEW 1 HOUR SMOKE PARTITION
- FP — INDICATES A NEW ONE HOUR RATED FIRE PARTITION EXTENDING TO THE UNDERSIDE OF THE STRUCTURE ABOVE. ALL PENETRATIONS SHALL BE PROTECTED WITH A UL-LISTED FIRE STOP SYSTEM.
- 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.
- 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.
- (X) WALL TYPE REFERENCE REFER TO SHEET A5-10.

PARTITION NOTES:

1. 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.
2. 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.

DEMOLITION KEYNOTES:

(4)
22. REMOVE GWB IN ITS ENTIRETY.
(3) 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.
(3) 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) ULTRASOUND CONCRETE BEFORE START OF CONSTRUCTION TO AVOID CUTTING INTO STRUCTURAL CONCRETE FOUNDATION.
29. PRESERVE AND PROTECT TOILET ACCESSORY DURING CONSTRUCTION.
(6) 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 SUPPLY.

1. REMOVE EXISTING PARTITION IN ITS ENTIRETY.
2. REMOVE EXISTING DOOR AND FRAME.
(6) 3. REMOVE DOOR, FRAME TO REMAIN.
(6) 4. REMOVE EXISTING BASE AND OVERHEAD CABINETS IN THEIR ENTIRETY INSIDE THE PHARMACY.
5. REMOVE EXISTING EQUIPMENT. RETURN EQUIPMENT NOT TO BE RELOCATED TO OWNER.
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.
(2) 10. 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. (4)
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 TOP IN 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. (6)
15. SALVAGE DOOR OPERATOR & SENSOR PLATE TO REINSTALL.
(6) 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.
(2) 20. REMOVE WALL PROTECTION.
21. INFECTION CONTROL ANTEROOM.

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

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

OWNER: 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

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

LICENSED ARCHITECT
JOSEPH MICHAEL SFEIR
No. C 28543
REN 1-31-19
STATE OF CALIFORNIA

REV:		DESCRIPTION:	DATE:
1	1	OSHPD COMMENTS	10-09-17
2	2	DESIGN CHANGES	10-09-17
3	3	OSHPD COMMENTS	12-11-17
4	4	DESIGN CHANGES	12-11-17
5	5	OSHPD COMMENTS	5-15-18
6	6	DESIGN CHANGES	6-05-18

CONSULTANT

OSHPD APPROVAL STAMP:

OSHPD #: S171641-37-00

SHEET TITLE:

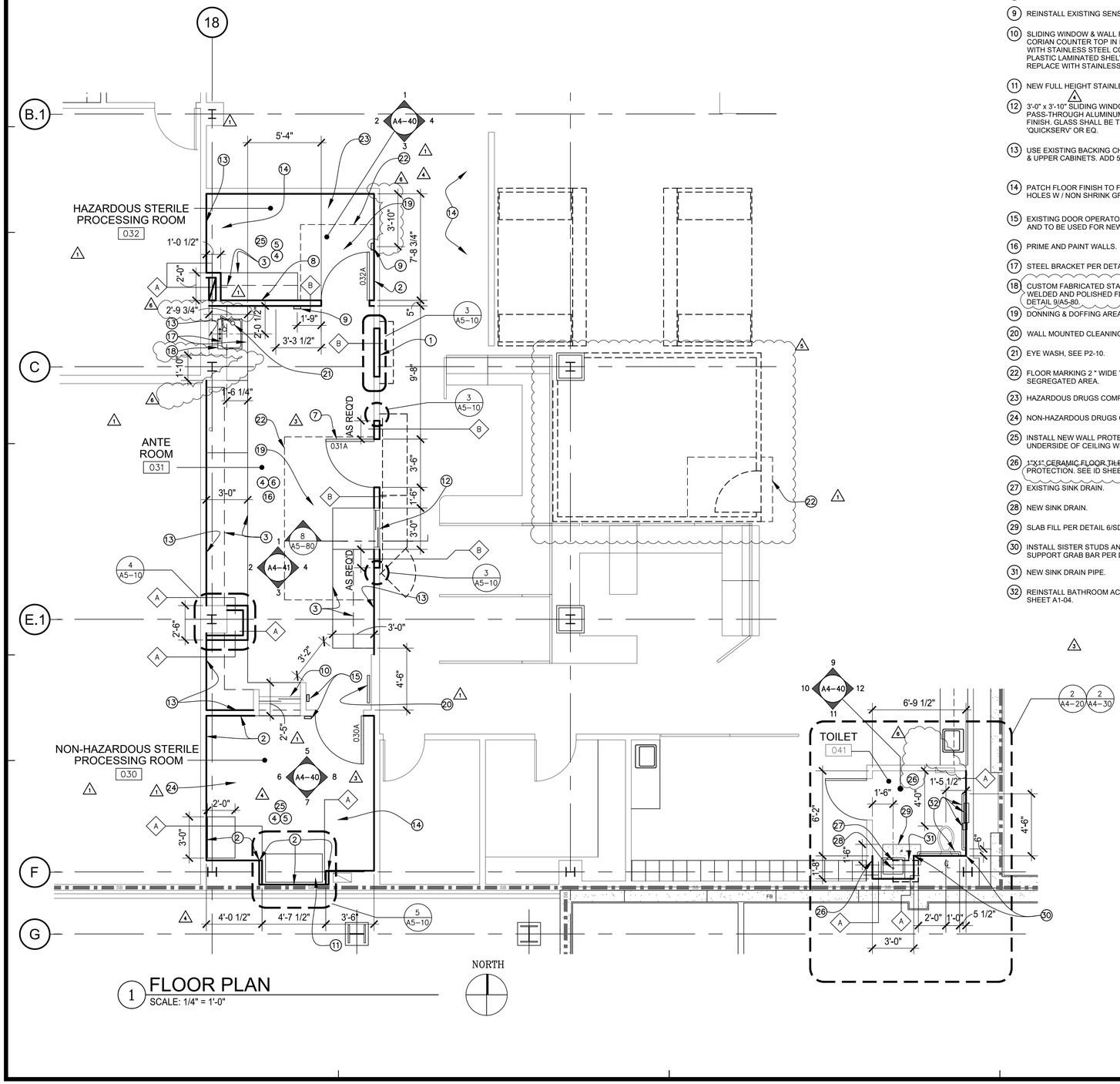
DEMOLITION FLOOR PLAN

PROJECT TITLE:
TCMC USP 800

PROJECT #: 01667.00
DRAWN BY: AR
CHECKED BY: JS
SCALE: 1/4" = 1'-0"
DATE: 07/31/17

SHEET NUMBER:
A4-01
OF

100% CONSTRUCTION DOCUMENT



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

FLOOR PLAN KEYNOTES:

1. NEW NON-RATED INFILL PARTITION. SEE DETAIL 3/A5-10.
2. PATCH WALL TO MATCH EXISTING ADJACENT.
3. NEW STAINLESS STEEL OVERHEAD AND BASE CABINETS.
4. NEW SHEET VINYL FLOORING AND BASE.
5. ISO 7 COMPLIANT SPACE.
6. ISO 8 COMPLIANT SPACE.
7. NEW DOOR AND FRAME.
8. NEW NON-RATED PARTITION.
9. REINSTALL EXISTING SENSOR PLATE DOOR OPEN.
10. SLIDING WINDOW & WALL FRAMING TO REMAIN. REMOVE CORIAN COUNTER TOP IN IV PREP ROOM & REPLACE WITH STAINLESS STEEL COUNTER TOP. REMOVE PLASTIC LAMINATED SHELVING & COUNTERTOP & REPLACE WITH STAINLESS STEEL CABINET & COUNTER.
11. NEW FULL HEIGHT STAINLESS STEEL CABINET.
12. 3'-0" x 3'-10" SLIDING WINDOW. SHALL BE SELF-CLOSING, PASS-THROUGH ALUMINUM FRAME W/ KYNAR WHITE FINISH. GLASS SHALL BE TEMPERED. MANUFACTURED BY 'QUICKSERV' OR EQ.
13. USE EXISTING BACKING CHANNELS TO ANCHOR LOWER & UPPER CABINETS. ADD 5/8" GWB TO EXISTING STUDS.
14. PATCH FLOOR FINISH TO FILL OLD ANCHOR HOLES. FILL HOLES W / NON SHRINK GROUT.
15. EXISTING DOOR OPERATOR SENSOR PLATE TO REMAIN AND TO BE USED FOR NEW DOOR.
16. PRIME AND PAINT WALLS.
17. STEEL BRACKET PER DETAIL 9/A5-80. PRIME AND PAINT.
18. CUSTOM FABRICATED STAINLESS STEEL SINK TO BE WELDED AND POLISHED FLUSH WITH COUNTERTOP. SEE DETAIL 9/A5-80.
19. DONNING & DOFFING AREA.
20. WALL MOUNTED CLEANING SUPPLIES.
21. EYE WASH, SEE P2-10.
22. FLOOR MARKING 2 " WIDE YELLOW TAPE INDICATING SEGREGATED AREA.
23. HAZARDOUS DRUGS COMPOUNDING.
24. NON-HAZARDOUS DRUGS COMPOUNDING.
25. INSTALL NEW WALL PROTECTION FROM FLOOR TO UNDERSIDE OF CEILING WITH WP-1 PER ID SHEETS.
26. 1"X1" CERAMIC FLOOR TILE AND 4"X4" TILE WALL PROTECTION. SEE ID SHEETS FOR COLOR AND DETAILS.
27. EXISTING SINK DRAIN.
28. NEW SINK DRAIN.
29. SLAB FILL PER DETAIL 6/SD3.
30. INSTALL SISTER STUDS AND BACKING PLATE TO SUPPORT GRAB BAR PER DETAIL 10B/S-1.
31. NEW SINK DRAIN PIPE.
32. REINSTALL BATHROOM ACCESSORY PER DETAILS ON SHEET A1-04.

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 FLOOR PLAN NOTES:

1. THE GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND MEASUREMENTS IN THE FIELD PRIOR TO STARTING CONSTRUCTION.
2. THE GENERAL CONTRACTOR SHALL COORDINATE ALL PHASING, ACCESS, DEBRIS REMOVAL, STAGING AREAS AND HOURS OF CONSTRUCTION WITH OWNER PRIOR TO START OF CONSTRUCTION.
3. 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.
4. THE GENERAL CONTRACTOR SHALL SEPARATE DISSIMILAR METALS WITH BUILDING PAPER OR PLASTIC SHIM.
5. THE GENERAL CONTRACTOR SHALL X-RAY AND/OR ULTRASOUND THE EXISTING CONCRETE FLOORS AND FLOOR ABOVE FOR ANY POSSIBLE EMBEDDED CONDUITS, STRUCTURAL REBAR OR UNFORESEEN CONDITION THAT IS OUTSIDE THE SCOPE OF WORK AND MIGHT IMPEDE THE ANCHORING OF EQUIPMENT OR CONFLICT WITH TRENCHING PRIOR TO CONSTRUCTION.
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.
8. CONTRACTOR PARKING TO BE IN CONTRACTOR DESIGNATED PARKING AREA.
9. THE CONTRACTOR SHALL ENSURE THAT THE AREA UNDER REMODEL IS LOCKED AND OTHERWISE SECURED AFTER HOURS.
10. VERIFY ALL DIMENSIONS WITH EQUIPMENT SCHEDULE PRIOR TO START OF CONSTRUCTION.
11. REFER TO EQUIPMENT PLAN, CEILING PLAN, INTERIOR ELEVATIONS AND ROOM FINISH SCHEDULE ALONG WITH MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION, AND FIRE ALARM SECTIONS FOR FURTHER DESCRIPTION OF SCOPE OF WORK.
12. REFER TO FINISH PLAN AND SCHEDULE AND INTERIOR DESIGN DOCUMENTS FOR TYPES OF FINISHES.
13. FOR DOOR INFORMATION REFER TO DOOR SCHEDULE, SHEET A6-00.
14. REFER TO SHEETS A1-00 AND A1-04 FOR ACCESSIBILITY REQUIREMENTS.
15. PROVIDE ACOUSTICAL INSULATION IN ALL NEW WALL ASSEMBLIES.
16. THE GENERAL CONTRACTOR SHALL VERIFY THE LEVELNESS OF THE SLAB AT ALL NEW DOOR LOCATIONS PRIOR TO CONSTRUCTION. APPLY LEVELING MATERIAL AS NECESSARY DURING CONSTRUCTION TO ACHIEVE MAX. OF 3/8" CLEARANCE FROM FINISH FLOOR TO UNDERSIDE OF NEW DOOR, REPLACE FINISHES TO MATCH EXISTING AS NEEDED.
17. THE GENERAL CONTRACTOR SHALL SEISMICALLY ANCHOR ALL EXISTING AND NEW BUILDING SYSTEMS ABOVE CEILING INCLUDING BUT NOT LIMITED TO DUCTWORK, ELECTRICAL CONDUITS AND TRAYS, SPRINKLER PIPES, PLUMBING PIPES, ETC. REFER TO A0-00 FOR MORE INFORMATION.
18. PROVIDE GROMMET HOLE IN COUNTER ABOVE ALL POWER AND DATA OUTLETS LOCATED UNDER NEW COUNTER.

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.
- 1 SB — INDICATES AN EXISTING 1 HOUR SMOKE BARRIER
- 3 SP — INDICATES AN EXISTING 1 HOUR SMOKE PARTITION
- FP — INDICATES AN EXISTING ONE HOUR FIRE RATED PARTITION TO REMAIN. ALL PENETRATIONS SHALL BE PROTECTED WITH A UL-LISTED FIRE STOP SYSTEM.
- FB — 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.
- SB — INDICATES A NEW 1 HOUR SMOKE BARRIER
- SP — INDICATES A NEW 1 HOUR SMOKE PARTITION
- FP — INDICATES A NEW ONE HOUR RATED FIRE PARTITION EXTENDING TO THE UNDERSIDE OF THE STRUCTURE ABOVE. ALL PENETRATIONS SHALL BE PROTECTED WITH A UL-LISTED FIRE STOP SYSTEM.
- 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.
- 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.
- X — WALL TYPE REFERENCE REFER TO SHEET A5-10.

PARTITION NOTES:

1. 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.
2. 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.

SFEIR 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

OWNER: 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

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

LICENSED ARCHITECT — JOSEPH MICHAEL SFEIR — No. C 28543 — REN 1-31-19 — STATE OF CALIFORNIA

REV:	DESCRIPTION:	DATE:
1	OSHPD COMMENTS	10-09-17
2	DESIGN CHANGES	10-09-17
3	OSHPD COMMENTS	12-11-17
4	DESIGN CHANGES	12-11-17
5	OSHPD COMMENTS	5-15-18
6	DESIGN CHANGES	6-05-18

CONSULTANT

OSHPD APPROVAL STAMP:

OSHPD #: S171641-37-00

SHEET TITLE:

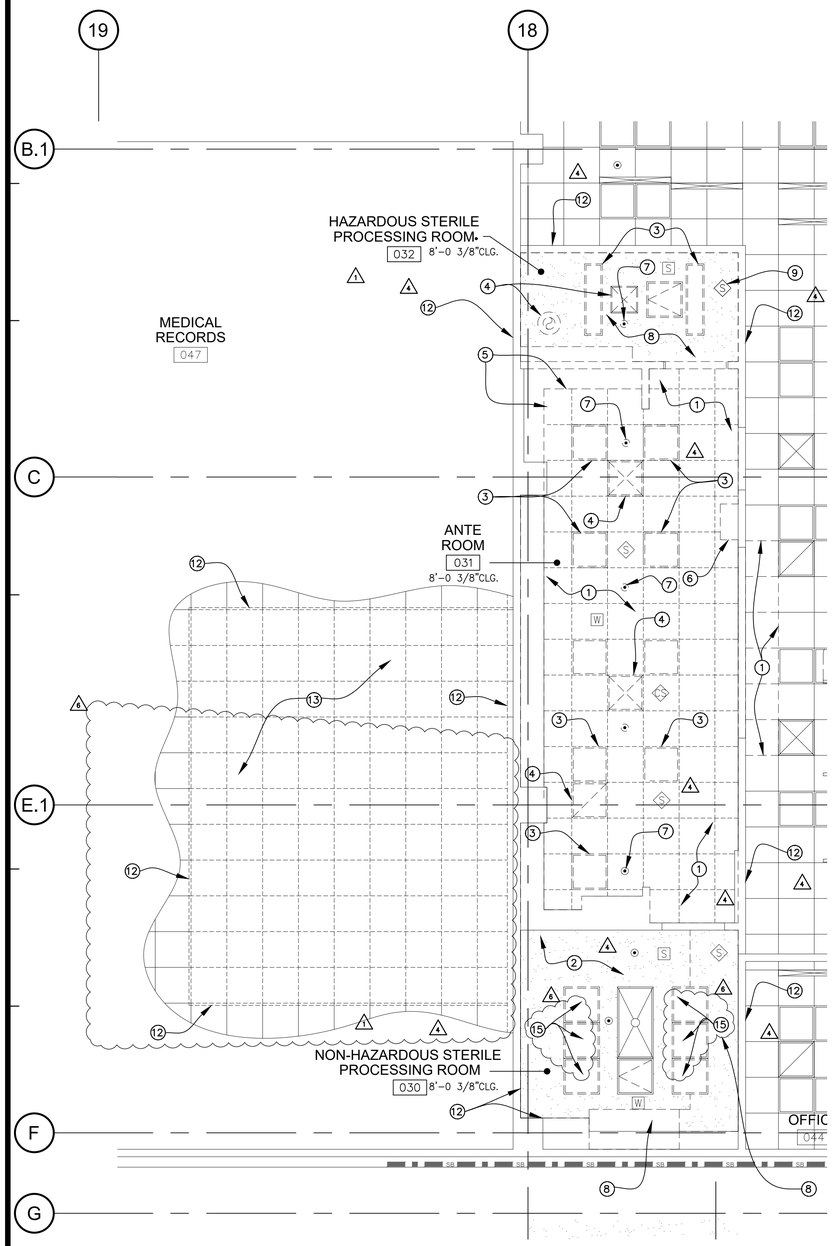
NEW FLOOR PLAN

PROJECT TITLE:
TCMC USP 800

PROJECT #:	01667.00
DRAWN BY:	MK
CHECKED BY:	JS
SCALE:	1/4" = 1'-0"
DATE:	07/31/17

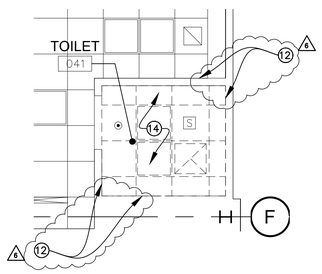
SHEET NUMBER: A4-10 OF

100% CONSTRUCTION DOCUMENT



1 DEMOLITION REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"

NORTH



2 DEMOLITION TOILET RCP
SCALE: 1/4" = 1'-0"

RCP DEMOLITION KEYNOTES:

1. REMOVE 24"X24" ACP CEILING.
2. GWB CEILING TO REMAIN.
3. REMOVE LIGHT FIXTURE, REFER TO ELEC. DWGS.
4. REMOVE MECH. AIR REGISTER - REFER TO MECH. DWGS.
5. REMOVE EXISTING GWB AND SOFFIT.
6. REMOVE EXISTING GYPSUM BOARD SOFFIT AND METAL FRAMING.
7. REMOVE SPRINKLER HEAD.
8. REMOVE EXISTING GWB CEILING.
9. REMOVE EXISTING CEILING DEVICE, SAVE TO REINSTALL.
10. NOT USED.
11. NOT USED.
12. ERECT AND TIGHTLY SEAL TO TOP OF PARTITION AND TO UNDERSIDE OF DECK WITH VISQUEEN. TAPE ALL EDGES TO STOP AIR LEAKAGE.
13. REMOVE EXISTING CEILING TILES, LIGHTS, HVAC GRILLS AS NEEDED TO ERECT DUCTWORK ABOVE. PROVIDE TEMPORARY INFECTION CONTROL PARTITION WITH HEPA-FILTERED NEGATIVE AIR, TO COVER AREA AS NEEDED.
14. SALVAGE OR PRESERVE AND PROTECT ALL CEILING EQUIPMENT AND TILES. ALL TO BE REINSTALLED.
15. REMOVE EXISTING LIGHT FIXTURE, SAVE FOR REINSTALLATION.

MATERIAL LEGEND:

- 2X2 ACOUSTICAL CEILING TILE
- SUSPENDED GYP. BOARD CEILING
- RECESSED LAY-IN LED LIGHT FIXTURE
  PROVIDE (2) SLACK SAFETY WIRES AT DIAGONAL CORNERS
- RECESSED "CAN" LIGHT
  PROVIDE (1) SLACK SAFETY WIRE
- RECESSED "CAN" LIGHT DIRECTED TOWARD WALL
  PROVIDE (1) SLACK SAFETY WIRE
- EXIT SIGN
  PROVIDE (1) SLACK SAFETY WIRE AT CLG MOUNTED FIXTURES
- SMOKE DETECTOR
  PROVIDE (1) SLACK SAFETY WIRE
- PAGING SPEAKER
  PROVIDE (1) SLACK SAFETY WIRE
- 2'-0" RETURN AIR
- RETURN AIR OR EXHAUST
  PROVIDE (2) SLACK SAFETY WIRES AT DIAGONAL CORNERS.
- 3'-0" SUPPLY AIR DIFFUSER
- SUPPLY AIR DIFFUSER
  PROVIDE (2) SLACK SAFETY WIRES AT DIAGONAL CORNERS
- 2' X 2' CEILING ACCESS PANEL
- 1' X 1' CEILING ACCESS PANEL
- 1' X 1' CEILING EXHAUST
- 1' X 1' CEILING HVAC SUPPLY
- 1' X 1' CEILING HVAC RETURN
- 1' X 4' FLOURESCENT CEILING LIGHT
- CAMERA
- SPRINKLER HEAD
- AUDIBLE NURSE CALL
- HEPA FILTER
- CHIME / STROBE
- STROBE
- BSC EXHAUST
- WI-FI

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.

RCP DEMOLITION 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 BUILDING PAPER OR PLASTIC SHIM.
5. THE GENERAL CONTRACTOR SHALL X-RAY AND/OR ULTRASOUND THE EXISTING CONCRETE FLOORS FOR ANY POSSIBLE EMBEDDED CONDUITS, STRUCTURAL REBAR OR UNFORESEEN CONDITION THAT IS OUTSIDE THE SCOPE OF WORK AND MIGHT IMPEDE THE ANCHORING OF EQUIPMENT OR CONFLICT WITH TRENCHING PRIOR TO CONSTRUCTION.
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.
8. CONTRACTOR PARKING TO BE IN CONTRACTOR DESIGNATED PARKING AREA.
9. THE CONTRACTOR SHALL ENSURE THAT THE AREA UNDER REMODEL IS LOCKED AND OTHERWISE SECURED AFTER HOURS.
10. UNLESS OTHERWISE NOTED, CONTRACTOR SHALL COORDINATE WITH THE OWNER THE REMOVAL OF EXISTING EQUIPMENT INDICATED ON DRAWINGS.
11. DASHED LINES INDICATE ITEMS TO BE DEMOLISHED OR REMOVED. REFER TO CEILING PLAN, ROOM FINISH SCHEDULE ALONG WITH MECHANICAL AND ELECTRICAL SECTIONS FOR FURTHER DESCRIPTION OF SCOPE OF WORK.
12. REFER TO DEMOLITION PLAN FOR NOTES INDICATING TYPE OF FINISHES WITHIN THE EXISTING SPACE TO BE REMOVED.
13. REFER TO RELATED PLANS FOR PORTIONS OF EXISTING CONSTRUCTION SCHEDULED TO REMAIN.
14. PATCH NEW WORK TO MATCH AND ALIGN WITH THE EXISTING. COMPLETELY REMOVE EXISTING FINISHES WHERE NEW FINISHES ARE SCHEDULED.
15. CONTRACTOR SHALL PRESERVE AND PROTECT THE EXISTING OVERHEAD EQUIPMENT, LIGHTING, FIRE ALARM, FIRE SPRINKLER, PAGING, PHONE, DATA, ELECTRICAL LINES, ETC. SCHEDULED TO REMAIN DURING THE COURSE OF DEMOLITION. MANY OF THE SYSTEMS ARE SCHEDULED FOR REUSE BY THE OWNER UNDER THIS OR SEPARATE CONTRACTS.
16. PROVIDE DUST CURTAIN ABOVE CEILING AND ISOLATE CONSTRUCTION AREA FROM THE REMAINDER OF THE FLOOR. PROVIDE A FLEX DUCT FROM SEALED AREA ABOVE CONSTRUCTION AREA, ROUTED AND EXHAUSTED INTO EXISTING EXHAUST SYSTEM.

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 — INDICATES AN EXISTING 1 HOUR SMOKE BARRIER
- SP — INDICATES AN EXISTING 1 HOUR SMOKE PARTITION
- FP — INDICATES AN EXISTING ONE HOUR FIRE RATED PARTITION TO REMAIN. ALL PENETRATIONS SHALL BE PROTECTED WITH A UL-LISTED FIRE STOP SYSTEM.
- FB — 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.
- SB — INDICATES A NEW 1 HOUR SMOKE BARRIER
- SP — INDICATES A NEW 1 HOUR SMOKE PARTITION
- FP — INDICATES A NEW ONE HOUR RATED FIRE PARTITION EXTENDING TO THE UNDERSIDE OF THE STRUCTURE ABOVE. ALL PENETRATIONS SHALL BE PROTECTED WITH A UL-LISTED FIRE STOP SYSTEM.
- 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.
- 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:

1. 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.
2. 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.

SFEIR 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

OWNER: 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

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

LICENSED ARCHITECT — JOSEPH MICHAEL SFEIR — No. C 28543 — REN. 1-31-19 — STATE OF CALIFORNIA

1	1	OSHPD COMMENTS	10-09-17
2	2	DESIGN CHANGES	10-09-17
3	3	OSHPD COMMENTS	12-11-17
4	4	DESIGN CHANGES	12-11-17
5	5	OSHPD COMMENTS	5-15-18
6	6	DESIGN CHANGES	6-05-18

REV: DESCRIPTION: DATE:

CONSULTANT

OSHPD APPROVAL STAMP:

OSHPD #: S171641-37-00

SHEET TITLE:

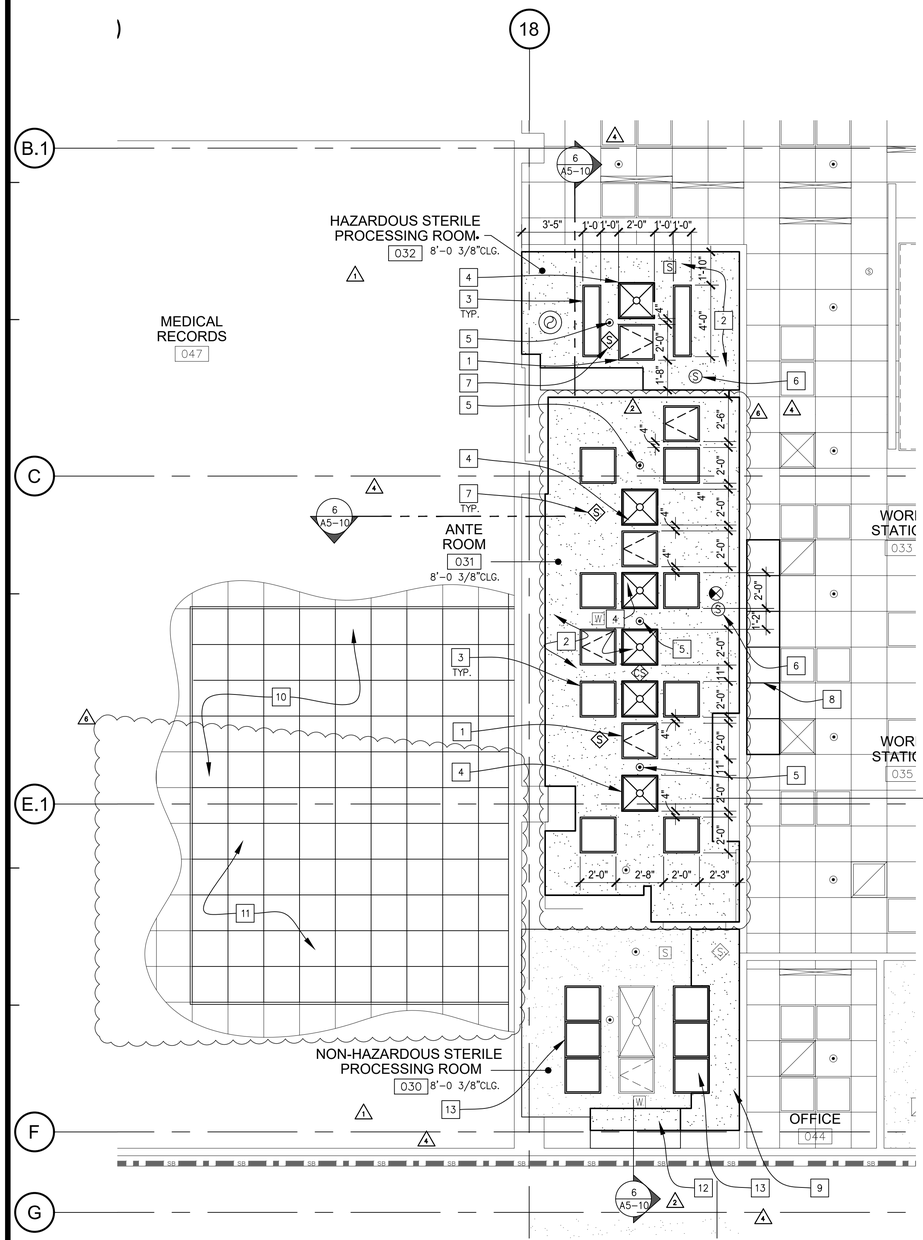
DEMOLITION REFLECTED CEILING PLAN

PROJECT TITLE:
TCMC USP 800

PROJECT #:	01667.00
DRAWN BY:	NI
CHECKED BY:	JS
SCALE:	1/4" = 1'-0"
DATE:	07/31/17

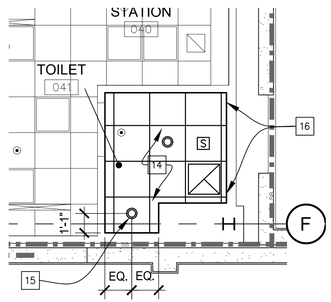
SHEET NUMBER: A4-20 OF

100% CONSTRUCTION DOCUMENT



1 REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"

NORTH



2 NEW TOILET RCP
SCALE: 1/4" = 1'-0"

RCP KEYNOTES:

1. NEW CEILING ACCESS PANEL, PRIME AND PAINT - REFER TO DETAIL 7/A5-60.
2. PRIME AND PAINT GYPSUM BOARD CEILING.
3. NEW LIGHT FIXTURE, REFER TO ELEC. DWGS.
4. NEW HEPA FILTER. REFER TO MECHANICAL DRAWINGS. TYP.
5. RELOCATED SPRINKLER HEAD.
6. RELOCATED PAGING SPEAKER.
7. NEW SMOKE DETECTOR.
8. NEW CEILING GRID AND TILE TO MATCH EXISTING.
9. PATCH WITH GYPSUM BOARD CEILING, PRIME AND PAINT TO MATCH EXISTING CEILING.
10. NEW ACOUSTICAL TILE PANEL, SAND, PRIME AND PAINT EXISTING CEILING GRID.
11. RE-ERECT ALL TEMPORARILY REMOVED HVAC GRILLES, T-BAR CEILING, SAND, PRIME AND PAINT T-BAR CEILING AND INSTALL NEW ACOUSTICAL CEILING TILES TO MATCH EXISTING.
12. NEW SOFFIT AT TOP OF CABINET.
13. REINSTALL EXISTING LIGHT FIXTURE.
14. REINSTALL ALL SALVAGED CEILING TILES AND CEILING EQUIPMENT IN EXISTING LOCATIONS. NEW CEILING TILES IN ALCOVE TO MATCH EXISTING.
15. NEW CAN LIGHT.
16. CUT EXISTING CEILING TILES TO FIT NEW WALL DEPTH.

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.

RCP GENERAL NOTES:

1. THE GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND MEASUREMENTS IN THE FIELD PRIOR TO STARTING CONSTRUCTION.
2. THE GENERAL CONTRACTOR SHALL COORDINATE ALL PHASING, ACCESS, DEBRIS REMOVAL, STAGING AREAS AND HOURS OF CONSTRUCTION WITH OWNER PRIOR TO START OF CONSTRUCTION.
3. 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.
4. THE GENERAL CONTRACTOR SHALL SEPARATE DISSIMILAR METALS WITH BUILDING PAPER OR PLASTIC SHIM.
5. THE GENERAL CONTRACTOR SHALL X-RAY AND/OR ULTRASOUND THE EXISTING CONCRETE FLOORS FOR ANY POSSIBLE EMBEDDED CONDUITS, STRUCTURAL REBAR OR UNFORESEEN CONDITION THAT IS OUTSIDE THE SCOPE OF WORK AND MIGHT IMPEDE THE ANCHORING OF EQUIPMENT OR CONFLICT WITH TRENCHING PRIOR TO CONSTRUCTION.
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.
8. CONTRACTOR PARKING TO BE IN CONTRACTOR DESIGNATED PARKING AREA.
9. THE CONTRACTOR SHALL ENSURE THAT THE AREA UNDER REMODEL IS LOCKED AND OTHERWISE SECURED AFTER HOURS.
10. CEILING HEIGHTS TO MATCH EXISITNG UNLESS OTHERWISE NOTED (NOT LESS THAN 8'-0")
11. REFER TO SHEET A5-60 AND A5-70 FOR CEILING DETAILS.
12. REFER TO ELECTRICAL DRAWINGS FOR LIGHT FIXTURE TYPES.
13. FIRE SPRINKLER HEAD LAYOUT MUST BE APPROVED BY ARCHITECT PRIOR TO INSTALLATION, ALL EXPOSED SPRINKLER HEAD COMPONENTS SHALL BE WHITE.
14. REPLACE EXISTING LENSES FOR 2X2 AND 2X4 LIGHT FIXTURES.
15. REPLACE ALL GRILLES, DIFFUSERS AND REGISTERS WITH NEW.

MATERIAL LEGEND:

- 2X2 ACOUSTICAL CEILING TILE
- SUSPENDED GYP. BOARD CEILING
- RECESSED LAY-IN LED LIGHT FIXTURE (3) PROVIDE (2) SLACK SAFETY WIRES AT DIAGONAL CORNERS
- RECESSED "CAN" LIGHT PROVIDE (1) SLACK SAFETY WIRE
- RECESSED "CAN" LIGHT DIRECTED TOWARD WALL PROVIDE (1) SLACK SAFETY WIRE
- EXIT SIGN PROVIDE (1) SLACK SAFETY WIRE AT CLG MOUNTED FIXTURES
- SMOKE DETECTOR PROVIDE (1) SLACK SAFETY WIRE
- PAGING SPEAKER PROVIDE (1) SLACK SAFETY WIRE
- 2'-0" RETURN AIR
- RETURN AIR OR EXHAUST PROVIDE (2) SLACK SAFETY WIRES AT DIAGONAL CORNERS.
- 3'-0" SUPPLY AIR DIFFUSER
- SUPPLY AIR DIFFUSER PROVIDE (2) SLACK SAFETY WIRES AT DIAGONAL CORNERS
- 2' X 2' CEILING ACCESS PANEL
- 1' X 1' CEILING ACCESS PANEL
- 1' X 1' CEILING EXHAUST
- 1' X 1' CEILING HVAC SUPPLY
- 1' X 1' CEILING HVAC RETURN
- 1' X 4' FLOURESCENT CEILING LIGHT
- CAMERA
- SPRINKLER HEAD
- AUDIBLE NURSE CALL
- HEPA FILTER
- CHIME / STROBE
- STROBE
- BSC EXHAUST
- WI-FI

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

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

OWNER: 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

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

LICENSED ARCHITECT
JOSEPH MICHAEL SFEIR
No. C 28543
REN. 1-31-19
STATE OF CALIFORNIA

1	OSHPD COMMENTS	10-09-17
2	DESIGN CHANGES	10-09-17
3	OSHPD COMMENTS	12-11-17
4	DESIGN CHANGES	12-11-17
5	OSHPD COMMENTS	5-15-18
6	DESIGN CHANGES	6-05-18

REV: DESCRIPTION: DATE:

CONSULTANT

OSHPD APPROVAL STAMP:

OSHPD #: S171641-37-00

SHEET TITLE:

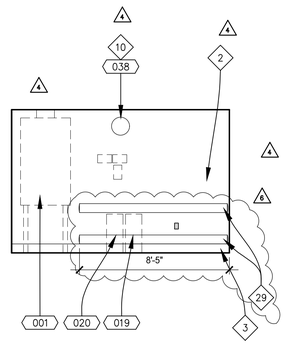
REFLECTED CEILING PLAN

PROJECT TITLE:
TCMC USP 800

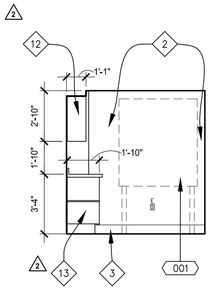
PROJECT #:	01667.00
DRAWN BY:	NI
CHECKED BY:	JS
SCALE:	1/4" = 1'-0"
DATE:	07/31/17

SHEET NUMBER: A4-30 OF

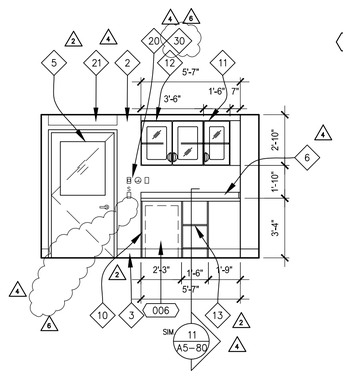
100% CONSTRUCTION DOCUMENT



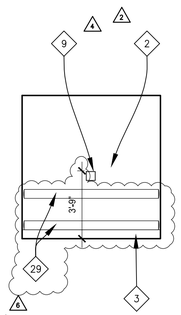
1 HD RM NORTH
SCALE:1/4" = 1'-0"



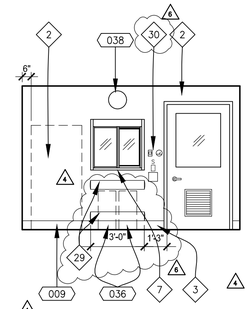
2 HD RM WEST
SCALE:1/4" = 1'-0"



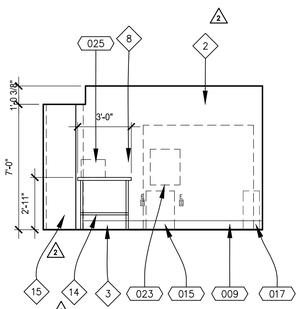
3 HD RM SOUTH
SCALE:1/4" = 1'-0"



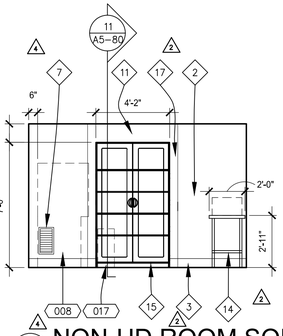
4 HD RM EAST
SCALE:1/4" = 1'-0"



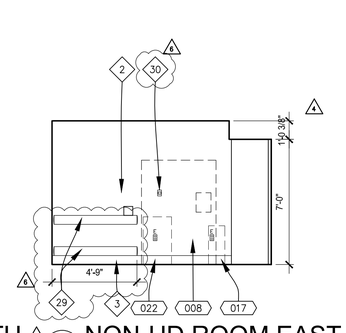
5 NON-HD ROOM NORTH
SCALE:1/4" = 1'-0"



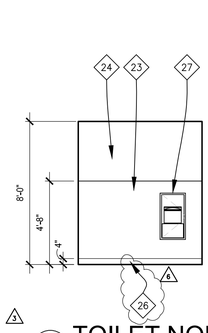
6 NON-HD ROOM WEST
SCALE:1/4" = 1'-0"



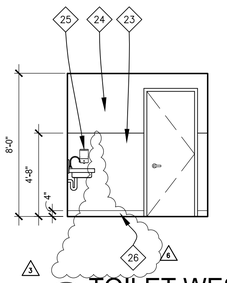
7 NON-HD ROOM SOUTH
SCALE:1/4" = 1'-0"



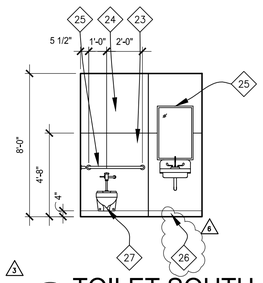
8 NON-HD ROOM EAST
SCALE:1/4" = 1'-0"



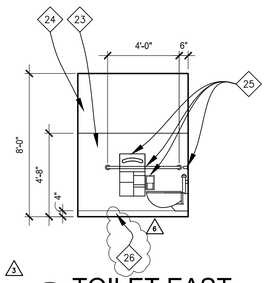
9 TOILET NORTH
SCALE:1/4" = 1'-0"



10 TOILET WEST
SCALE:1/4" = 1'-0"



11 TOILET SOUTH
SCALE:1/4" = 1'-0"



12 TOILET EAST
SCALE:1/4" = 1'-0"

LEGEND:

*** REFER TO EQUIPMENT SCHEDULE.

* NOTES

CASEWORK LEGEND:

CASE ID NUMBER

D100G24
- CASE WIDTH (INCHES) (-- = AS REQ'D.)
- CASE HEIGHT
- CASE TYPE (REFER TO W.I.C.)
- SPECIAL PREFIX: D = DOUBLE, M = MODIFY

TASK24 = 24" TASK LIGHT MODULE
TASK36 = 36" TASK LIGHT MODULE
TASK48 = 48" TASK LIGHT MODULE
FTPED = SINK FOOT CONTROL PEDALS

DEPTH (U.O.N. ON ELEVATIONS)

LOWER CASE: 24" DEEP U.O.N.
UPPER CASE: 14" DEEP U.O.N.
TALL CASE: 14" DEEP U.O.N.

HEIGHT

NUMBER	HEIGHT
A	18"
B	24"
C	27"
D	30"
E	30"
F	33"
G	36"
H	39"
J	42"
K	48"
L	54"
M	72"
N	80"
P	86"
Q	96"
R	AS REQ'D.

OUTLET DESCRIPTION

A	– MEDICAL COMPRESSED AIR	NO	– NITROUS OXIDE
C	– CODE BLUE	O	– OXYGEN
D	– DATA	PS	– NURSE CALL PULL STATION
DP	– DICTAPHONE	S	– SWITCH
DS	– DIMMER SWITCH	T	– TELEPHONE
E	– DUPLEX ELECT. OUTLET	TL	– TASK LIGHT
F	– FAX MACHINE	TV	– TELEVISION
IC	– INTERCOM	V	– VACUUM
J	– JUNCTION BOX	VC	– VOLUME CONTROL
N	– NURSE CALL	VS	– VACUUM SLIDE

ELEVATION KEYNOTES:

2
1. PAINT TO MATCH EXISTING.
2. WALL PROTECTION SHEETING SEE ID SHEET.
3. 6" VINYL BASE TO MATCH EXISTING.
4. NEW STAINLESS STEEL COUNTER /BACKSPLASH WITH SINK AND EYEWASH.
5. REINSTALL (E) DOOR FRAME, PRIME AND PAINT, WITH NEW DOOR.
6. 4" BACK SPLASH.
7. NEW LOW AIR EXHAUST GRILLE.
8. NO LOWER CABINETS. ADD WALL PROTECTION.
9. REINSTALLED DOOR OPERATOR SENSOR PLATE.
10. STAINLESS STEEL SUPPORT PANELS.
11. NEW SOFFIT. SEE DETAIL 6/A5-10.
12. UPPER STAINLESS STEEL CABINETS.
13. LOWER STAINLESS STEEL CABINETS.
14. NEW STAINLESS STEEL TABLE.
15. STAINLESS STEEL FULL HEIGHT CABINET. COORDINATE ROUGH OPENING WITH STAINLESS STEEL MANUFACTURER.
16. EXISTING TO REMAIN.
17. NEW INFILL PARTITION.
18. DONNING AND DOFFING AREA.
19. WALL MOUNTED CLEANING SUPPLIES.
20. THERMOSTAT. MOUNTING HEIGHT TO COMPLY WITH DETAIL 3/A1-04.
21. REINSTALL DOOR OPERATOR.
22. CORNER GUARD.
23. 4"x4" GLAZED CERAMIC TILE.
24. SEMIGLOSS PAINT. PRIME AND PAINT TO MATCH EXISTING.
25. REMOVE AND REINSTALL TOILET ACCESSORY.
26. 1"x1" CERAMIC FLOOR TILE.
27. PRESERVE AND PROTECT TOILET ACCESSORY.
28. TYPICAL COUNTER SUPPORT SIMILAR TO DETAIL 8/A5-80.
29. NEW CRASH RAILS. SEE 4/ID-2 FOR MORE INFORMATION AND ID PLAN ON ID-1.
30. HUMIDITY MONITOR & PRESSURE MONITOR. MOUNTING HEIGHT TO COMPLY WITH DETAIL 3/A1-04.

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.

INTERIOR ELEVATION GENERAL NOTES:

1. NOT USED.
2. NOT USED.
3. NOT USED.
4. NOT USED.
5. IN CASES OF CABINET INSTALLATIONS BETWEEN WALLS, VERIFY DIMENSIONS IN FIELD AND PROVIDE FILLER PANEL STRIPS AT ENDS OR REDUCE END CABINETS WIDTH AS REQUIRED TO FIT SPACE AS INDICATED.
6. ALL CABINET DOORS AND DRAWERS SHALL HAVE PULLS. UPPER AND LOWER CABINET DOORS AND FULL HEIGHT CABINETS SHALL HAVE PULLS MOUNTED VERTICALLY. DRAWERS SHALL HAVE HORIZONTAL PULLS.
7. ALL FILE DRAWERS SHALL BE SIZED FOR 8 1/2"x 11" FORMS. PROVIDE FILE RODS EXTENDING FRONT TO BACK OF DRAWER UNIT TYPICAL.
8. COORDINATE HEIGHT AND LOCATION OF BACKING PLATES FOR CASEWORK WITH STUD FRAMING CONTRACTOR. REF ALSO TO DETAIL 10 ON SHEET S-1 FOR FURTHER INFORMATION.
9. REFER TO SHEET A5-80 FOR NEW STAINLESS STEEL COUNTER ANCHORAGE/BACKING TRACK CONNECTION.
10. GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS OF ROUGH OPENINGS AND COORDINATE W/OWNER FOR ALL EQUIPMENT CLEARANCES PRIOR TO PREPARING SHOP DRAWINGS AND FABRICATION.

OFOI : OWNER FURNISHED, OWNER INSTALLED
OFCI : OWNER FURNISHED, CONTRACTOR INSTALLED
CFCI : CONTRACTOR FURNISHED, CONTRACTOR INSTALLED

EQUIPMENT SCHEDULE

EQUIP #	DESCRIPTION	WEIGHT(APPROX.)	HEIGHT=h	WIDTH=b	DEPTH=d	ELEV/SHT	REMARKS	EXIS.	NEW	OFOI	OFCI	CFCI	QNTY	HVAC	ELECT	DATA	SEISMIC
001	BSC WORKSTATION	800 LBS	90.5"	52.5"	33.5"	–/A–9	VBM SG404 BAKER STERILGARD, CALCS BY SSE		X		X		1	X	X	N/A	X
002	MONITOR	N/A	16"	15"	7.5"	–/–		X		X			4	N/A	N/A	N/A	N/A
003	CPU	N/A	18"	6"	18"	–/–		X		X			2	N/A	N/A	X	N/A
004	KEYBOARD	N/A	3"	18"	6"	–/–		X		X			4	N/A	N/A	N/A	N/A
005	PHARMACY REFRIGERATOR	1,470 LBS	84"	56"	35"	–/–	KELVINATOR/MODEL BT30RG–4.1, CALCS BY SSE	X			X		1	X	X	N/A	X
006	CHEMOTHERAPY REFRIGERATOR	100 LBS	35"	22"	21"	–/–	KENMORE 564.9149510	X			X		1	N/A	N/A	N/A	N/A
007	PHARMACEUTICAL WASTE	N/A	26"	12"	18"	–/–		X			X		1	N/A	N/A	N/A	N/A
008	LAMINAR FLOW WORK BENCH	440 LBS	70"	50"	34"	–/–	BAKER "EDGEGARD"/MODEL EG4252, CALCS BY SSE	X			X		1	X	X	N/A	X
009	LAMINAR FLOW WORK STATION	680 LBS	70"	74"	34"	–/–	BAKER EG6252, CALCS BY SSE	X			X		1	X	X	N/A	X
010	PYXIS SUPPLY–AUXILLARY	1,000 LBS	78"	52"	28"	–/–		X			X		1	X	X	X	X
011	PYXIS SUPPLY–MAIN	1,000 LBS	78"	52"	28"	–/–		X			X		1	X	X	X	X
012	– NOT USED –	N/A	–	–	–	–/–											
013	– NOT USED –	N/A	–	–	–	–/–											
014	REGULAR WASTE CONTAINER, TYPE 1	N/A	27"	22ø	––	–/–		X		X			1	N/A	N/A	N/A	N/A
015	SHARPS WASTE CONTAINER	N/A	26"	13"	19"	–/–		X		X			1	N/A	N/A	N/A	N/A
016	MULTI–ADD PUMP	25 LBS	13"	8"	10"	–/–		X		X			2	X	X	N/A	N/A
017	ROLLABLE STOOL	N/A	–	–	–	–/–		X		X			9	N/A	N/A	N/A	N/A
018	IV LABEL PRINTER	25 LBS	13"	10"	19"	–/–		X		X			1	N/A	X	X	N/A
019	HAZARDOUS PHARMA. WASTE CONT.	N/A	16"	12ø	––	–/–		X		X			1	N/A	N/A	N/A	N/A
020	TRACE CHEMO CONTAINER	N/A	18"	11"	15"	–/–		X		X			1	N/A	N/A	N/A	N/A
021	– NOT USED –	N/A	–	–	–	–/–											
022	TABLE	N/A	34"	26"	19"	–/–		X									
023	MULTI–ADD PUMP	120 LBS	24"	20"	17"	–/–		X		X			1	N/A	X	N/A	N/A
024	– NOT USED –	N/A	–	–	–	–/–											
025	PRINTER	N/A	16"	20"	16"	–/–		X		X			2	N/A	X	X	N/A
026	– NOT USED –	N/A	–	–	–	–/–											
027	MONITOR (PHARMACIST STATION)	10 LBS	18"	18"	6"	–/–		X		X			2	N/A	N/A	N/A	N/A
028	WHITE BOARD	N/A	36"	24"	N/A	–/–		X		X			1	N/A	N/A	N/A	N/A
029	REFRIGERATOR	1,654 LBS	79"	53"	30"	–/–	KELVINATOR/MODEL BB50RG–3, CALCS BY SSE	X			X						
030	MOBILE INCINERATION WASTE	N/A	–	–	–	–/–		X									
031	WALL HUNG CLEANING SUPPLIES	N/A	–	–	–	–/–		X									
032	GLOVE CAC ISOLATOR	N/A	85"	51"	28"	–/–			X		X		2				
033	– NOT USED –	N/A	–	–	–	–/–											
034	– NOT USED –	N/A	–	–	–	–/–											
035	IV STORAGE(MOBILE)	N/A	–	–	–	–/–		X									
036	INCINERATION WASTE	N/A	–	14"	14"	–/–		X									
037	REGULAR WASTE	N/A	–	13"	19"	–/–		X									
038	CLOCK	N/A	–	12" DIA.	–	–/–		X									
039	TEMPORARY WASH STATION	N/A	–	–	–	–/–			X								

SFEIR 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

OWNER: 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

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

LICENSED ARCHITECT — JOSEPH MICHEL SFEIR — No. C 28543 — REN 1-31-19 — STATE OF CALIFORNIA

REV:	DESCRIPTION:	DATE:
1	OSHPD COMMENTS	10–09–17
2	DESIGN CHANGES	10–09–17
3	OSHPD COMMENTS	12–11–17
4	DESIGN CHANGES	12–11–17
5	OSHPD COMMENTS	5–15–18
6	DESIGN CHANGES	6–05–18

CONSULTANT

OSHPD APPROVAL STAMP:

OSHPD #: S171641–37–00

SHEET TITLE:

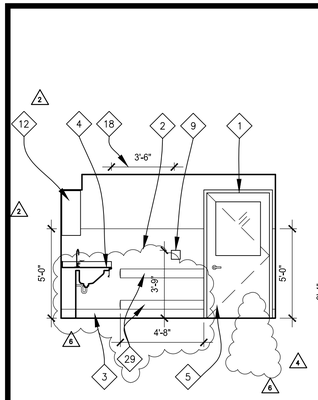
INTERIOR ELEVATIONS

PROJECT TITLE:
TCMC USP 800

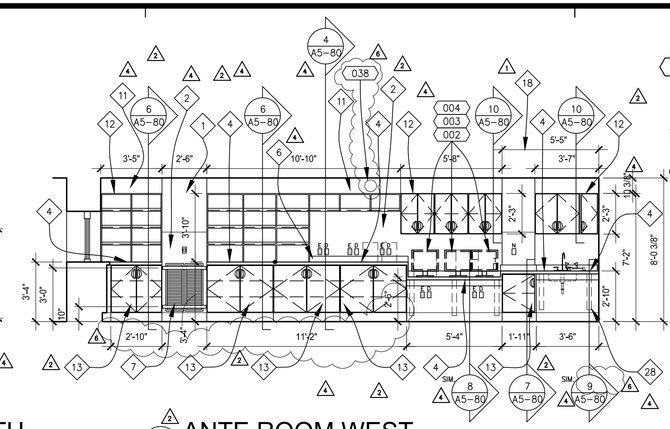
PROJECT #: 01667.00
DRAWN BY: NI
CHECKED BY: JS
SCALE: 1/4" = 1'–0"
DATE: 07/31/17

SHEET NUMBER: A4-40 OF

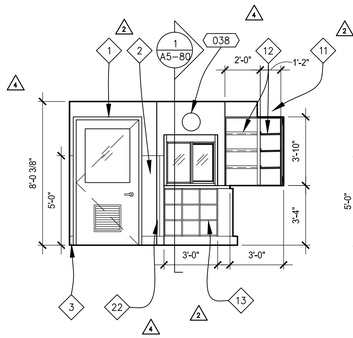
100% CONSTRUCTION DOCUMENT



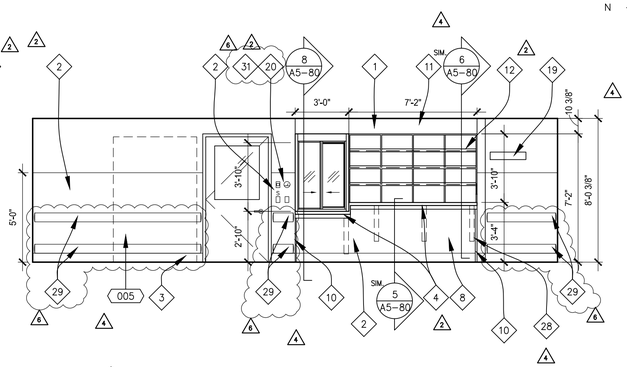
1 ANTE ROOM NORTH
SCALE:1/4" = 1'-0"



2 ANTE ROOM WEST
SCALE:1/4" = 1'-0"



3 ANTE ROOM SOUTH
SCALE:1/4" = 1'-0"



4 ANTE ROOM EAST
SCALE:1/4" = 1'-0"

LEGEND:

- *** — REFER TO EQUIPMENT SCHEDULE.
- * — NOTES

CASEWORK LEGEND:

CASE ID NUMBER

D100G24
- CASE WIDTH (INCHES) (-- = AS REQ'D.)
- CASE HEIGHT
- CASE TYPE (REFER TO W.I.C.)
- SPECIAL PREFIX D = DOUBLE M = MODIFY

TASK24 = 24" TASK LIGHT MODULE
TASK36 = 36" TASK LIGHT MODULE
TASK48 = 48" TASK LIGHT MODULE
FTPED = SINK FOOT CONTROL PEDALS

DEPTH (U.O.N. ON ELEVATIONS)

LOWER CASE: 24" DEEP U.O.N.
UPPER CASE: 14" DEEP U.O.N.
TALL CASE: 14" DEEP U.O.N.

HEIGHT

NUMBER	HEIGHT
A	18"
B	24"
C	27"
D	30"
E	30"
F	33"
G	36"
H	39"
J	42"
K	48"
L	54"
M	72"
N	80"
P	86"
Q	96"
R	AS REQ'D.

OUTLET DESCRIPTION

A	– MEDICAL COMPRESSED AIR	NO	– NITROUS OXIDE
C	– CODE BLUE	O	– OXYGEN
D	– DATA	PS	– NURSE CALL PULL STATION
DP	– DICTAPHONE	S	– SWITCH
DS	– DIMMER SWITCH	T	– TELEPHONE
E	– DUPLEX ELECT. OUTLET	TL	– TASK LIGHT
F	– FAX MACHINE	TV	– TELEVISION
IC	– INTERCOM	V	– VACUUM
J	– JUNCTION BOX	VC	– VOLUME CONTROL
N	– NURSE CALL	VS	– VACUUM SLIDE

OFOI : OWNER FURNISHED, OWNER INSTALLED
OFCI : OWNER FURNISHED, CONTRACTOR INSTALLED
CFCI : CONTRACTOR FURNISHED, CONTRACTOR INSTALLED

ELEVATION KEYNOTES:

1. PAINT TO MATCH EXISTING.
2. WALL PROTECTION SHEETING SEE ID SHEET.
3. 6" VINYL BASE TO MATCH EXISTING.
4. NEW STAINLESS STEEL COUNTER /BACKSPLASH WITH SINK AND EYEWASH.
5. REINSTALL (E) DOOR FRAME, PRIME AND PAINT, WITH NEW DOOR.
6. 4" BACK SPLASH.
7. NEW LOW AIR EXHAUST GRILLE.
8. NO LOWER CABINETS. ADD WALL PROTECTION.
9. REINSTALLED DOOR OPERATOR SENSOR PLATE.
10. STAINLESS STEEL SUPPORT PANELS.
11. NEW SOFFIT. SEE DETAIL 6/A5-10.
12. UPPER STAINLESS STEEL CABINETS.
13. LOWER STAINLESS STEEL CABINETS.
14. NEW STAINLESS STEEL TABLE.
15. STAINLESS STEEL FULL HEIGHT CABINET. COORDINATE ROUGH OPENING WITH STAINLESS STEEL MANUFACTURER.
16. EXISTING TO REMAIN.
17. NEW INFILL PARTITION.
18. DONNING AND DOFFING AREA.
19. WALL MOUNTED CLEANING SUPPLIES.
20. THERMOSTAT. MOUNTING HEIGHT TO COMPLY WITH DETAIL 3/A1-04.
21. REINSTALL DOOR OPERATOR.
22. CORNER GUARD.
23. 4"x4" GLAZED CERAMIC TILE.
24. SEMIGLOSS PAINT. PRIME AND PAINT TO MATCH EXISTING.
25. REMOVE AND REINSTALL TOILET ACCESSORY.
26. 1"x1" CERAMIC FLOOR TILE.
27. PRESERVE AND PROTECT TOILET ACCESSORY.
28. TYPICAL COUNTER SUPPORT SIMILAR TO DETAIL 8/A5-80.
29. NEW CRASH RAILS. SEE 4/ID-2 FOR MORE INFORMATION AND ID PLAN ON ID-1.
30. HUMIDITY MONITOR & PRESSURE MONITOR. MOUNTING HEIGHT TO COMPLY WITH DETAIL 3/A1-04.

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.

INTERIOR ELEVATION GENERAL NOTES:

1. NOT USED.
2. NOT USED.
3. NOT USED.
4. NOT USED.
5. IN CASES OF CABINET INSTALLATIONS BETWEEN WALLS, VERIFY DIMENSIONS IN FIELD AND PROVIDE FILLER PANEL STRIPS AT ENDS OR REDUCE END CABINETS WIDTH AS REQUIRED TO FIT SPACE AS INDICATED.
6. ALL CABINET DOORS AND DRAWERS SHALL HAVE PULLS. UPPER AND LOWER CABINET DOORS AND FULL HEIGHT CABINETS SHALL HAVE PULLS MOUNTED VERTICALLY. DRAWERS SHALL HAVE HORIZONTAL PULLS.
7. ALL FILE DRAWERS SHALL BE SIZED FOR 8 1/2"x 11" FORMS. PROVIDE FILE RODS EXTENDING FRONT TO BACK OF DRAWER UNIT TYPICAL.
8. COORDINATE HEIGHT AND LOCATION OF BACKING PLATES FOR CASEWORK WITH STUD FRAMING CONTRACTOR. REF ALSO TO DETAIL 10 ON SHEET S-1 FOR FURTHER INFORMATION.
9. REFER TO SHEET A5-80 FOR NEW STAINLESS STEEL COUNTER ANCHORAGE/BACKING TRACK CONNECTION.
10. GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS OF ROUGH OPENINGS AND COORDINATE W/OWNER FOR ALL EQUIPMENT CLEARANCES PRIOR TO PREPARING SHOP DRAWINGS AND FABRICATION.

EQUIPMENT SCHEDULE

EQUIP #	DESCRIPTION	WEIGHT(APPROX.)	HEIGHT=h	WIDTH=b	DEPTH=d	ELEV/SHT	REMARKS	EXIS.	NEW	OFOI	OFCI	CFCI	QNTY	HVAC	ELECT	DATA	SEISMIC
001	BSC WORKSTATION	800 LBS	90.5"	52.5"	33.5"	–/A–9	VBM SG404 BAKER STERILGARD, CALCS BY SSE		X		X		1	X	X	N/A	X
002	MONITOR	N/A	16"	15"	7.5"	–/–		X		X			4	N/A	N/A	N/A	N/A
003	CPU	N/A	18"	6"	18"	–/–		X		X			2	N/A	N/A	X	N/A
004	KEYBOARD	N/A	3"	18"	6"	–/–		X		X			4	N/A	N/A	N/A	N/A
005	PHARMACY REFRIGERATOR	1,470 LBS	84"	56"	35"	–/–	KELVINATOR/MODEL BT30RG–4.1, CALCS BY SSE	X			X		1	X	X	N/A	X
006	CHEMOTHERAPY REFRIGERATOR	100 LBS	35"	22"	21"	–/–	KENMORE 564.9149510	X			X		1	N/A	N/A	N/A	N/A
007	PHARMACEUTICAL WASTE	N/A	26"	12"	18"	–/–		X			X		1	N/A	N/A	N/A	N/A
008	LAMINAR FLOW WORK BENCH	440 LBS	70"	50"	34"	–/–	BAKER "EDGEGARD"/MODEL EG4252, CALCS BY SSE	X			X		1	X	X	N/A	X
009	LAMINAR FLOW WORK STATION	680 LBS	70"	74"	34"	–/–	BAKER EG6252, CALCS BY SSE	X			X		1	X	X	N/A	X
010	PYXIS SUPPLY–AUXILLARY	1,000 LBS	78"	52"	28"	–/–		X			X		1	X	X	X	X
011	PYXIS SUPPLY–MAIN	1,000 LBS	78"	52"	28"	–/–		X			X		1	X	X	X	X
012	– NOT USED –	N/A	–	–	–	–/–											
013	– NOT USED –	N/A	–	–	–	–/–											
014	REGULAR WASTE CONTAINER, TYPE 1	N/A	27"	22ø"	––	–/–		X		X			1	N/A	N/A	N/A	N/A
015	SHARPS WASTE CONTAINER	N/A	26"	13"	19"	–/–		X		X			1	N/A	N/A	N/A	N/A
016	MULTI–ADD PUMP	25 LBS	13"	8"	10"	–/–		X		X			2	X	X	N/A	N/A
017	ROLLABLE STOOL	N/A	–	–	–	–/–		X		X			9	N/A	N/A	N/A	N/A
018	IV LABEL PRINTER	25 LBS	13"	10"	19"	–/–		X		X			1	N/A	X	X	N/A
019	HAZARDOUS PHARMA. WASTE CONT.	N/A	16"	12ø	––	–/–		X		X			1	N/A	N/A	N/A	N/A
020	TRACE CHEMO CONTAINER	N/A	18"	11"	15"	–/–		X		X			1	N/A	N/A	N/A	N/A
021	– NOT USED –	N/A	–	–	–	–/–											
022	TABLE	N/A	34"	26"	19"	–/–		X									
023	MULTI–ADD PUMP	120 LBS	24"	20"	17"	–/–		X		X			1	N/A	X	N/A	N/A
024	– NOT USED –	N/A	–	–	–	–/–											
025	PRINTER	N/A	16"	20"	16"	–/–		X		X			2	N/A	X	X	N/A
026	– NOT USED –	N/A	–	–	–	–/–											
027	MONITOR (PHARMACIST STATION)	10 LBS	18"	18"	6"	–/–		X		X			2	N/A	N/A	N/A	N/A
028	WHITE BOARD	N/A	36"	24"	N/A	–/–		X		X			1	N/A	N/A	N/A	N/A
029	REFRIGERATOR	1,654 LBS	79"	53"	30"	–/–	KELVINATOR/MODEL BB50RG–3, CALCS BY SSE	X			X						
030	MOBILE INCINERATION WASTE	N/A	–	–	–	–/–		X									
031	WALL HUNG CLEANING SUPPLIES	N/A	–	–	–	–/–		X									
032	GLOVE CAC ISOLATOR	N/A	85"	51"	28"	–/–			X		X		2				
033	– NOT USED –	N/A	–	–	–	–/–											
034	– NOT USED –	N/A	–	–	–	–/–											
035	IV STORAGE(MOBILE)	N/A	–	–	–	–/–		X									
036	INCINERATION WASTE	N/A	–	14"	14"	–/–		X									
037	REGULAR WASTE	N/A	–	13"	19"	–/–		X									
038	CLOCK	N/A	–	12" DIA.	–	–/–		X									
039	TEMPORARY WASH STATION	N/A	–	–	–	–/–			X								

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

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

OWNER: 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

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

LICENSED ARCHITECT
JOSEPH MICHEL SFEIR
No. C 28543
REN. 1–31–19
STATE OF CALIFORNIA

REV:	DESCRIPTION:	DATE:
1	OSHPD COMMENTS	10–09–17
2	DESIGN CHANGES	10–09–17
3	OSHPD COMMENTS	12–11–17
4	DESIGN CHANGES	12–11–17
5	OSHPD COMMENTS	5–15–18
6	DESIGN CHANGES	6–05–18

CONSULTANT

OSHPD APPROVAL STAMP:

OSHPD #: S171641–37–00

SHEET TITLE:

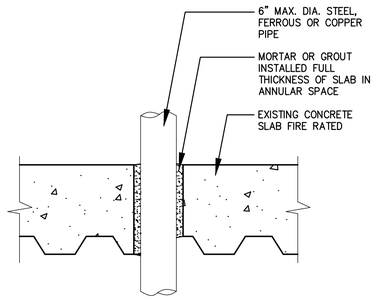
INTERIOR ELEVATIONS

PROJECT TITLE:
TCMC USP 800

PROJECT #: 01667.00
DRAWN BY: NI
CHECKED BY: JS
SCALE: 1/4" = 1'–0"
DATE: 07/31/17

SHEET NUMBER:
A4-41
OF

100% CONSTRUCTION DOCUMENT



3 METALLIC FLOOR PENETRATION
SCALE: NTS

System No. W-L-1001

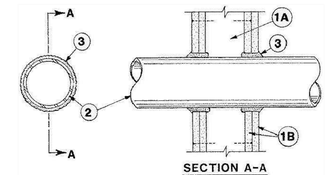
June 15, 2005

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

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

L Rating At Ambient — less than 1 CFM/sq ft

L Rating At 400 F — less than 1 CFM/sq ft



SECTION A-A

1. **Wall Assembly** — The 1, 2, 3 or 4 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300 or U400 Series Wall or Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

A. **Studs** — Wall framing may consist of either wood studs (max 2 h fire rated assemblies) or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC with nom 2 by 4 in. (51 by 102 mm) lumber end plates and cross braces. Steel studs to be min 3-5/8 in. (92 mm) wide by 1-3/8 in. (35 mm) deep channels spaced max 24 in. (610 mm) OC.

B. **Gypsum Board*** — Nom 1/2 or 5/8 in. (13 or 16 mm) thick, 4 ft. (122 cm) wide with square or tapered edges. The gypsum wallboard type thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 26 in. (660 mm).

2. **Through-Penetrant** — One metallic pipe, conduit or tubing installed either concentrically or eccentrically within the firestop system. The annular space between pipe, conduit or tubing and periphery of opening shall be min of 0 in / (0 mm). (point contact) to max 2 in. (51 mm) Pi conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or tubing ma be used:

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

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

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

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

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

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

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

OMEGA FLEX INC

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

GASTITE, DIV OF TITEFLEX

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

WARD MFG L L C

3. **Fill, Void or Cavity Material*** — Caulk or Sealant — Min 5/8. , 1-1/4,1-7/8 and 2-1/2 in. (16, 32, 48 and 64 mm) thickness of caulk for 1, and 4 hr rated assemblies, respectively, applied within annulus, flush with both surfaces of wall. Min 1/4 in. (6 mm) diam bead of caulk applied gypsum board/penetrant interface at point contact location on both sides of wall. The hourly F Rating of the firestop system is dependent upon hourly fire rating of the wall assembly in which it is installed, as shown in the following table. The hourly T Rating of the firestop system is dependent upon the type or size of the pipe or conduit and the hourly fire rating of the wall assembly in which it is installed, as tabulated below:

Max Pipe or Conduit Diam In (mm)	F Rating Hr	T Rating Hr
1 (25)	1 or 2	0+, 1 or 2
1 (25)	3 or 4	3 or 4
4 (102)	1 or 2	0
6 (152)	3 or 4	0
12 (305)	1 or 2	0

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

3M COMPANY — CP 25WB+ or FB-3000 WT.

*Bearing the UL Classification Mark

2 METALLIC WALL PENETRATION
UL W-L-1001

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

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

OWNER: 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

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

LICENSED ARCHITECT
JOSEPH MICHAEL SFEIR
No. C28543
REN. 1-31-19
STATE OF CALIFORNIA

REV:	DESCRIPTION:	DATE:
1	OSHPD COMMENTS	10-09-17
2	DESIGN CHANGES	10-09-17
3	OSHPD COMMENTS	12-11-17
4	DESIGN CHANGES	12-11-17
5	OSHPD COMMENTS	5-15-18
6	DESIGN CHANGES	6-05-18

CONSULTANT

OSHPD APPROVAL STAMP:

OSHPD #: S171641-37-00

SHEET TITLE:

FIRE RATED ASSEMBLIES

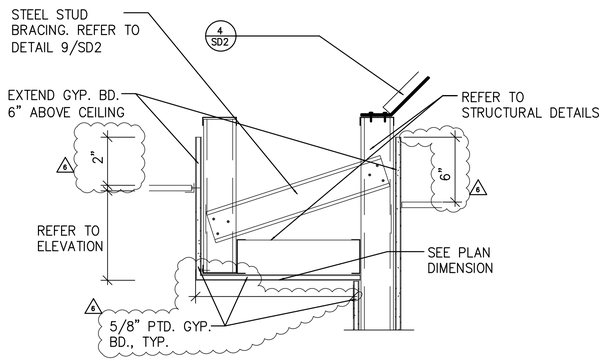
PROJECT TITLE:
TCMC USP 800

PROJECT #: 01667.00
DRAWN BY: TJ
CHECKED BY: AA
SCALE: AS SHOWN
DATE: 07/31/17

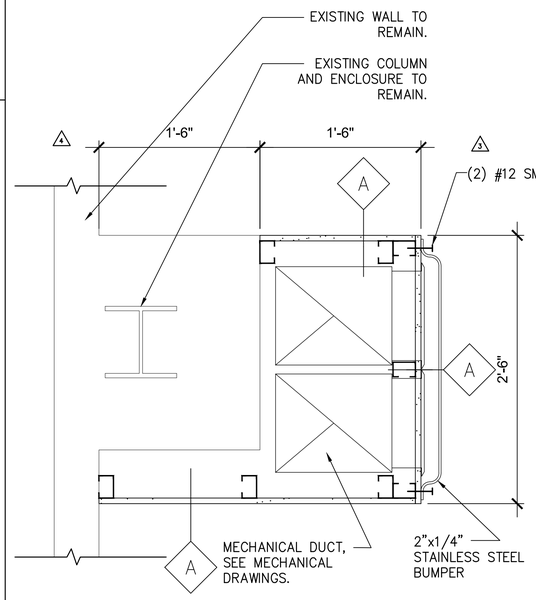
SHEET NUMBER:

A5-00
OF

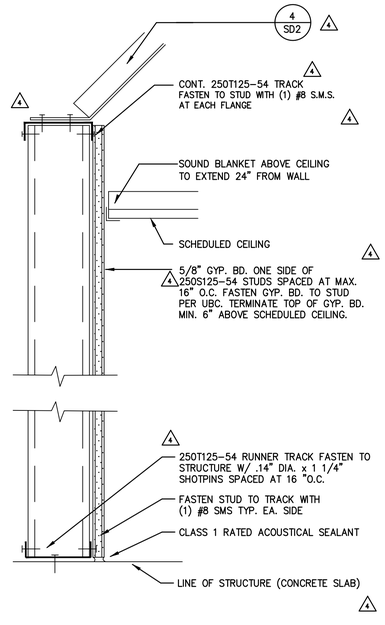
100% CONSTRUCTION DOCUMENT



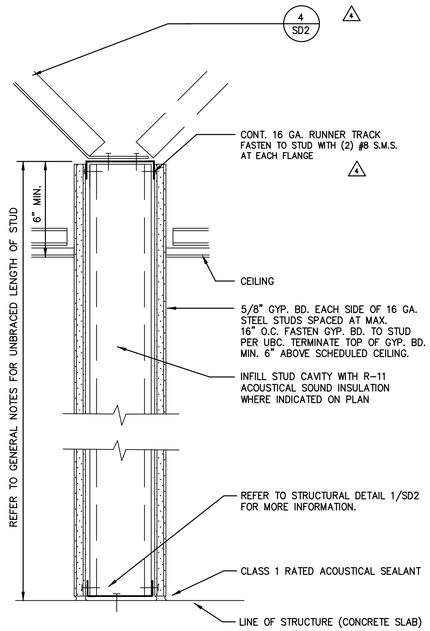
6 TYPICAL SOFFIT DETAIL
SCALE: 1 1/2"= 1'-0"



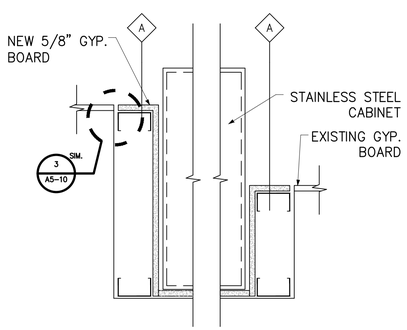
4 DUCT ENCLOSURE
SCALE: 1 1/2"= 1'-0"



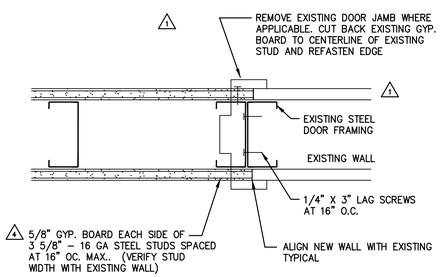
2 WALL TYPE 'A'
SCALE: 3"= 1'-0"



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



5 PLAN DETAIL AT FULL HEIGHT CABINET
SCALE: 1 1/2"= 1'-0"



3 INFILL AT EXISTING WALL
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. REQUIREMENTS.
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.
5. PROVIDE 6" STEEL STUDS AT ALL WALLS AND/OR WALLS WHERE 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.
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 SHALL BE 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.

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

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

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

OWNER: 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

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

LICENSED ARCHITECT
JOSEPH MICHAEL SFEIR
No. C 28543
REN. 1-31-19
STATE OF CALIFORNIA

REV:	DESCRIPTION:	DATE:
1	OSHPD COMMENTS	10-09-17
2	DESIGN CHANGES	10-09-17
3	OSHPD COMMENTS	12-11-17
4	DESIGN CHANGES	12-11-17
5	OSHPD COMMENTS	5-15-18
6	DESIGN CHANGES	6-05-18

CONSULTANT

OSHPD APPROVAL STAMP:

OSHPD #: S171641-37-00

SHEET TITLE:

TYPICAL RATED PARTITION ASSEMBLIES

PROJECT TITLE: TCMC USP 800

PROJECT #: 01667.00
DRAWN BY: LN
CHECKED BY: JS
SCALE: AS SHOWN
DATE: 07/31/17

SHEET NUMBER: A5-10 OF

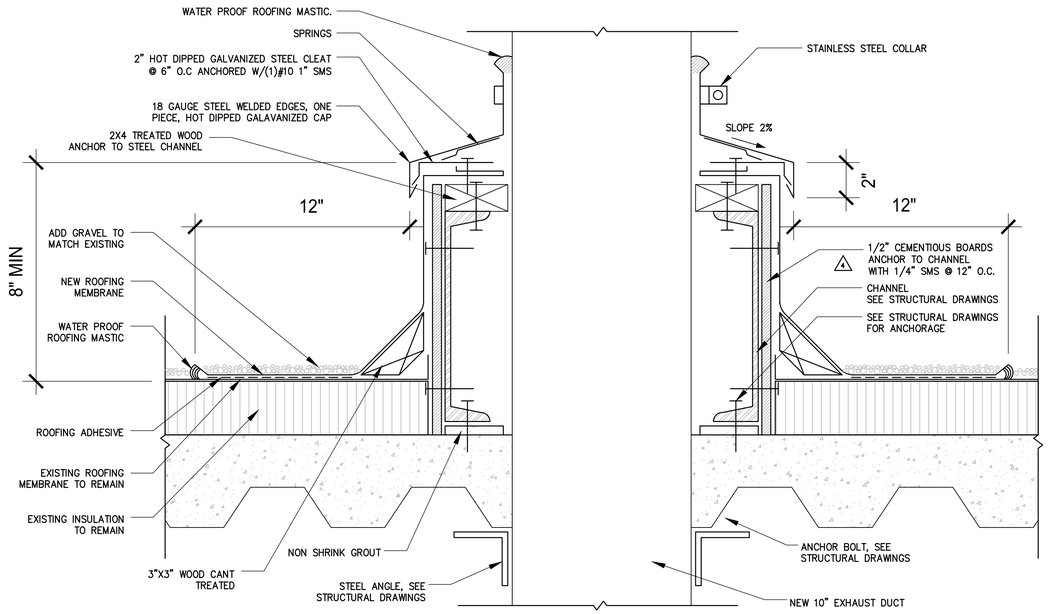
100% CONSTRUCTION DOCUMENT

GENERAL NOTES:

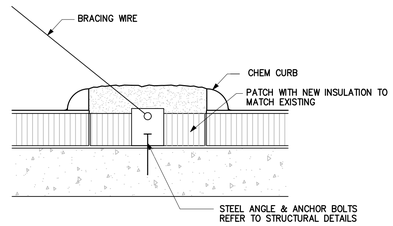
1. THE GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND MEASUREMENTS IN THE FIELD PRIOR TO STARTING CONSTRUCTION.
2. REFER TO GENERAL NOTES ON SHEET A0-00 FOR INFORMATION NOT INDICATED ON THIS SHEET.

ROOF KEY NOTES

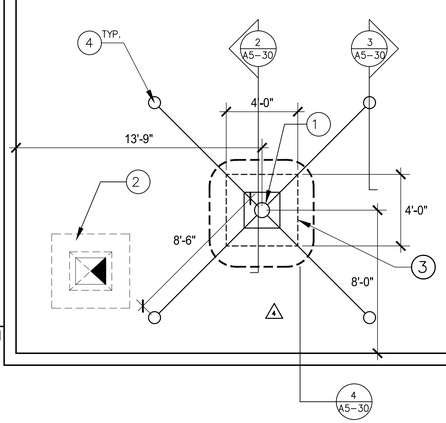
1. NEW 10" Ø DUCT THRU ROOF FROM PENTHOUSE BELOW, SEE MECHANICAL DRAWINGS.
2. EXISTING EXHAUST HOOD TO REMAIN, SEE MECHANICAL DRAWINGS.
3. EXTENT OF NEW MODIFIED BITUMEN ROOFING MEMBRANE.
4. REFER TO 7/SD3.



2 CHEMCURB SECTION
SCALE: 3"=1'-0"

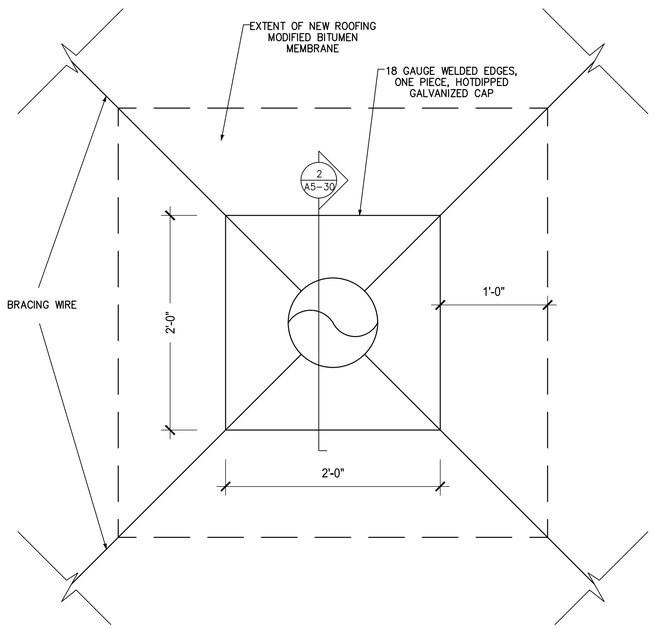


3 CURB DETAIL
SCALE: NTS



1 PENTHOUSE ROOF PLAN
SCALE: 1/4" = 1'-0"

NORTH



4 CHEMCURB PLAN
SCALE: 1-1/2" = 1'-0"

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

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

OWNER: 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

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

LICENSED ARCHITECT
JOSEPH MICHAEL SFEIR
No. C28543
REN. 1-31-19
STATE OF CALIFORNIA

REV:		DESCRIPTION:	DATE:
1	1	OSHPD COMMENTS	10-09-17
2	2	DESIGN CHANGES	10-09-17
3	3	OSHPD COMMENTS	12-11-17
4	4	DESIGN CHANGES	12-11-17
5	5	OSHPD COMMENTS	5-15-18
6	6	DESIGN CHANGES	6-05-18

CONSULTANT

OSHPD APPROVAL STAMP:

OSHPD #: S171641-37-00

SHEET TITLE:

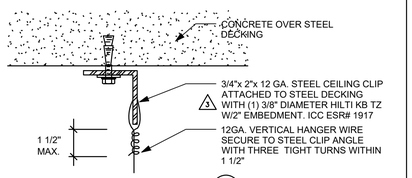
ROOF PLAN

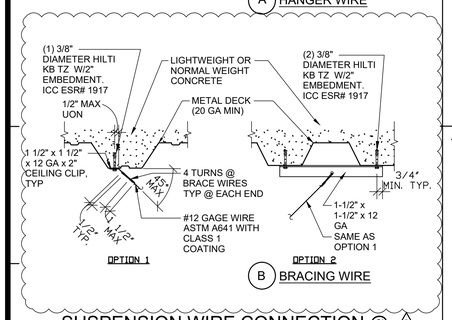
PROJECT TITLE:
TCMC USP 800

PROJECT #: 01667.00
DRAWN BY: JPM
CHECKED BY: JS
SCALE: 1/4" = 1'-0"
DATE: 07/31/17

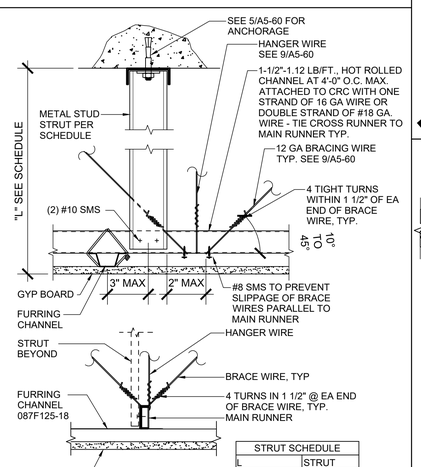
SHEET NUMBER:
A5-30
OF

100% CONSTRUCTION DOCUMENT



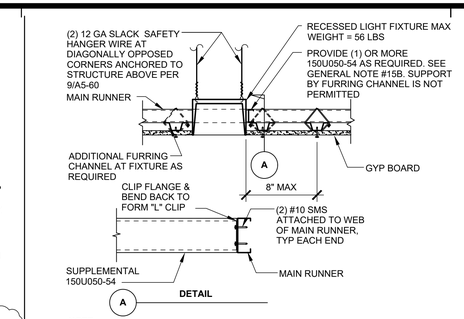


9 SUSPENSION WIRE CONNECTION @ METAL DECK (FOR GWB)
N.T.S.



STRUT SCHEDULE	
L	STRUT
L ≤ 5'-0"	250T125-33
5'-0" < L ≤ 8'-0"	400S137-33

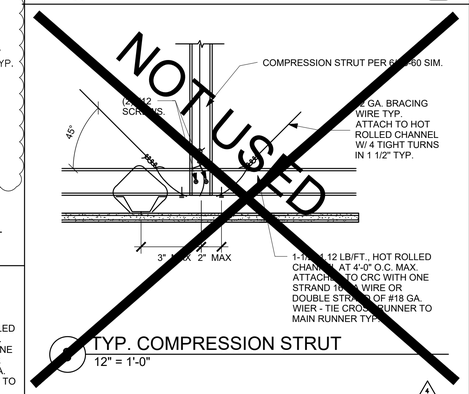
6 TYPICAL COMPRESSION STRUT
N.T.S.



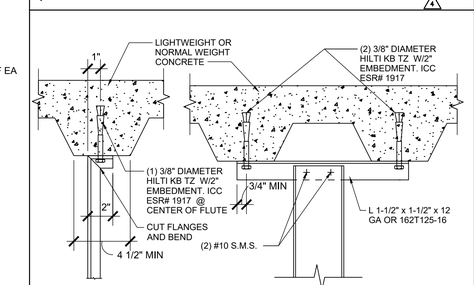
NOTE:

IF THE MAIN RUNNER IS CUT DUE TO FIXTURES, RDP SHALL SPECIFY ADDITIONAL HANGER WIRES AND/OR BRACING WIRES, AS REQUIRED TO MAINTAIN STRUCTURAL INTEGRITY.

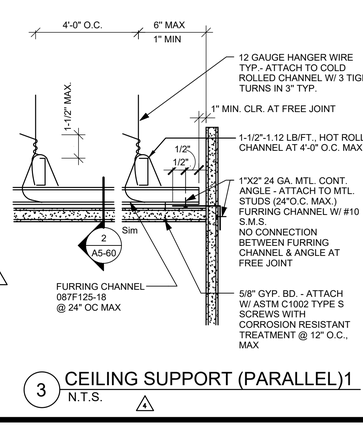
11 FIXTURE SUSPENSION
N.T.S.



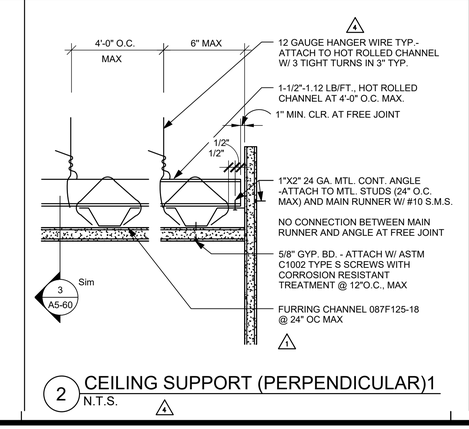
10 TYP. COMPRESSION STRUT
12" = 1'-0"



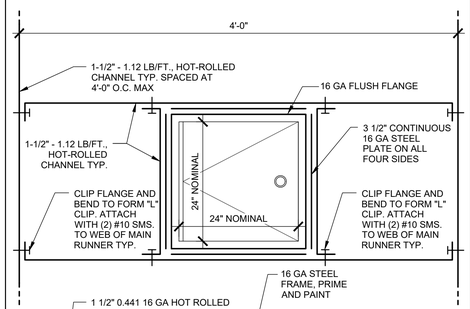
5 STRUT CONNECTION TO METAL DECK
N.T.S.



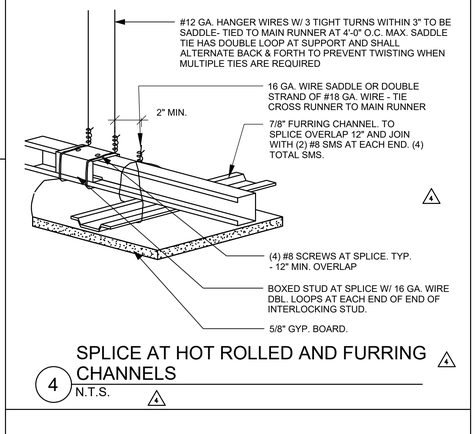
3 CEILING SUPPORT (PARALLEL)1
N.T.S.



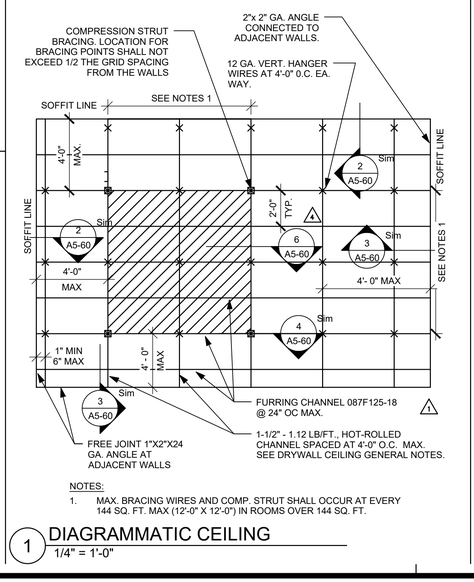
2 CEILING SUPPORT (PERPENDICULAR)1
N.T.S.



7 CEILING ACCESS PANEL
N.T.S.



4 SPLICE AT HOT ROLLED AND FURRING CHANNELS
N.T.S.



NOTES:

1. 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.

1 DIAGRAMMATIC CEILING
1/4" = 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 GWB CEILING:

DRYWALL CEILING SUSPENSION; CONVENTIONAL CONSTRUCTION

REF: CBC 2016 AND ASCE 7-10.

1. CONSTRUCTION, WORKMANSHIP AND MATERIAL SHALL CONFORM TO THE 2016 CALIFORNIA BUILDING STANDARDS CODE (CBSC 2016).
2. 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.
3. 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 CONFLICTION 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.
4. GALVANIZED METAL STUDS, TRACKS AND SHEET STEEL SHALL CONFORM TO ASTM A653-11 MATERIAL, OR OTHER EQUIVALENT ASTM LISTED MATERIALS IN SECTION 92.1 OF THE AISI S100-07/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.
5. 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.
6. SELECTED FASTENER CAPACITIES SHALL MATCH OR EXCEED THE STRENGTHS LISTED HEREIN. THE FOLLOWING REQUIREMENTS SHALL ALSO BE MET:
   a. SHEET METAL SCREWS SHALL COMPLY WITH ASTM C 1513-10, ASME B18.6.4-98 (R2005) AND ICC-ES AC 118. PENETRATION OF SCREWS THROUGH JOINED MATERIAL SHALL NOT BE LESS THAN THREE EXPOSED THREADS.
   b. 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.
   c. 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.
   d. POWER-ACTUATED FASTENERS (PAF), POWDER DRIVEN FASTENERS (PDF), POWER DRIVEN PINS (PDP) AND SHOT PINS ALL REPRESENT THE SAME FASTENER AND WILL HEREAFTER BE REFERRED TO AS POWER ACTUATED FASTENERS.PAF,PAP'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 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.
7. DESIGN CRITERIA
   a. 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.
   b. FASTENER CAPACITIES TABLES WERE DEVELOPED BASED ON ICC REPORTS BY SEVERAL MANUFACTURERS.
   c. 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.
   d. 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. 2
8. 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 STRENGTH:
   a. FOUR (4) TWISTS OF WIRE WITHIN 1.5" DEVELOPS THE ALLOWABLE LOAD FOR THE WIRE.
   b. 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:
    a. 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.
    b. 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.
    c. MAIN RUNNERS SHALL BE SPLICED BY LAPPING IN ACCORDANCE WITH DETAIL 4/A5-60.
    d. FURRING CHANNELS SHALL BE SPLICED BY LAPPING IN ACCORDANCE WITH DETAIL 6/A5-60. 4
    e. 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.
    f. 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.
    g. WIRE HANGERS SHALL BE SADDLE-TIED AROUND MAIN RUNNERS SO AS TO PREVENT TURNING OR TWISTING OF THE MEMBER.
11. SUSPENSION SYSTEM INSTALLATION, SHALL COMPLY WITH ASTM C754:
    a. 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.
    b. 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:
    a. EXPANSION JOINTS SHALL BE PROVIDED IN THE CEILING AT INTERSECTIONS OF CORRIDORS AND AT JUNCTIONS OF CORRIDORS WITH LOBBIES OR OTHER SIMILAR AREAS.
    b. 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.
    c. 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 ARE PROVIDED AND PERIMETER WALLS ARE DESIGNED TO CARRY THE CEILING LATERAL FORCES.
    a. PROVIDE LATERAL-FORCE BRACING ASSEMBLIES CONSISTING OF A STRUT AND FOUR (4) #12 GAGE BRACING WIRES ORIENTED 90 DEGREES FROM EACH OTHER.
    b. 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.
    c. THE SLOPE OF BRACING WIRES MAY BE FROM 10 TO 45 DEGREES BUT MAY NOT EXCEED 45 DEGREES FROM THE PLANE OF THE CEILING AND WIRES SHALL BE TAUT.
    d. 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:
    a. FASTEN #12 HANGER WIRES WITH NOT LESS THAN THREE (3) TIGHT TURN 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.
    b. FASTEN #12 BRACING WIRES WITH FOUR (4) TIGHT TURNS. MAKE ALL TIGHT TURNS WITHIN A DISTANCE OF 1 1/2" INCHES.
    c. HANGER OR BRACING WIRE ANCHORED TO THE STRUCTURE SHOULD BE INSTALLED IN SUCH A MANNER THAT THE DIRECTION OF THE ANCHOR ALIGNS AS CLOSELY AS POSSIBLE WITH THE DIRECTION OF THE WIRE.
    d. SEPARATE ALL CEILING HANGER AND BRACING WIRES AT LEAST SIX (6) INCHES FROM ALL UNBRACED DUCTS, PIPES CONDUITS, ETC.
    e. HANGER WIRES SHALL NOT BE ATTACHED TO OR BEND AROUND INTERFERING MATERIAL OR EQUIPMENT. PROVIDE TRAPEZE OR OTHER SUPPLEMENTARY SUPPORT MEMBERS AT OBSTRUCTIONS TO TYPICAL HANGER SPACING. PROVIDE ADDITIONAL HANGERS, STRUTS OR BRACES AS REQUIRED AT ALL CEILING BREAKS, SOFFITS, OR DISCONTINUOUS AREAS.
    f. HANGER WIRES THAT ARE MORE THAN 1 (HORIZONTAL) IN 6 (VERTICAL) OUT OF PLUMB SHALL REQUIRE PROJECT SPECIFIC DESIGN.
    g. 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 IN CONCRETE ARE NOT PERMITTED FOR BRACING WIRES.
15. CEILING FIXTURES, TERMINALS, AND DEVICES:
    a. 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.
    b. ALL FIXTURES SHALL BE SUPPORTED DIRECTLY BY MAIN RUNNERS OR BY SUPPLEMENTAL FRAMING WHICH IS SUPPORTED BY MAIN RUNNERS AND POSITIVELY ATTACHED WITH SCREWS OR OTHER APPROVED CONNECTORS.
    c. SURFACE MOUNTED FIXTURES SHALL BE ATTACHED TO A MAIN RUNNER WITH A POSITIVE CLAMPING DEVICE MADE OF MATERIAL WITH A MINIMUM OF 14 GAGE. ROTATIONAL SPRING CLAMPS DO NOT COMPLY.
    d. ACCESS PANELS: ACCESS TO THE SPACE BETWEEN THE CEILING AND THE FLOOR OR ROOF ABOVE SHALL NOT BE ALLOWED. SMALL ACCESS PANELS FOR THE INSPECTION, ADJUSTMENT, OR REPAIR OF UTILITY SWITCHES, VALVES, SENSORS, ETC. MAY BE ALLOWED IF THE PANEL IS LESS THAN 300 SQUARE INCHES. SUCH PANELS SHALL ALSO HAVE A PERMANENT WARNING LABEL AS FOLLOWS:

    WARNING: 1. DO NOT CLIMB, WALK, OR CRAWL ON THE GYPSUM BOARD CEILING.
    2. DO NOT STORE OR STOW ANYTHING ON THE GYPSUM BOARD CEILING.

    e. 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.
    f. 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. 3
    g. ALL FIXTURES WEIGHING GREATER THAN 56 LB SHALL BE SUPPORTED DIRECTLY FROM STRUCTURE ABOVE BY APPROVED HANGERS.
    h. PENDANT-HUNG FIXTURES SHALL BE SUPPORTED DIRECTLY FROM THE STRUCTURE ABOVE USING NO LESS THAN NO. 0-GAUGE WIRE OR AN APPROVED ALTERNATE SUPPORT. THE C EILING SUSPENSION SYSTEM SHALL NOT PROVIDE ANY DIRECT SUPPORT.
    i. ALL RECESSED OR DROP-IN FIXTURES SHALL BE SUPPORTED DIRECTLY FROM FIXTURE HOUSING TO THE STRUCTURE ABOVE WITH A MINIMUM OF TWO NO. 12 GAUGE WIRES LOCATED AT DIAGONALLY OPPOSITE CORNERS. LEVELING OR POSITIONING OF FIXTURES MAY BE PROVIDED BY CEILING GRID. FIXTURE SUPPORT WIRES MAY BE SLIGHTLY LOOSE TO ALLOW THE FIXTURE TO SEAT IN THE GRID SYSTEM. FIXTURES SHALL NOT BE SUPPORTED FROM MAIN RUNNERS OR FURRING CHANNELS IF THE WEIGHT OF THE FIXTURES CAUSES TOTAL DEAD LOAD TO EXCEED THE DEFLECTION CAPABILITY OF THE CEILING SUSPENSION SYSTEM.
16. CEILINGS THAT ARE PART OF A FIRE RATED ASSEMBLY: PROVIDE A DETAIL AND DESIGN NUMBER FOR RATED CEILING ASSEMBLIES FROM AN APPROVED TESTING AGENCY. THE COMPONENTS AND INSTALLATION DETAILS SHALL CONFORM IN EVERY RESPECT WITH THE LISTED DETAIL AND NUMBER. DETAILS SHALL CLEARLY DEPICT ALL COMPONENTS, INCLUDING INSULATION MATERIALS, FRAMING AND ATTACHMENT OF THE DESIGN SO THAT THE ASSEMBLY CAN BE CONSTRUCTED AND INSPECTED ACCORDINGLY. POP RIVETS, SCREWS, OR OTHER ATTACHMENTS ARE NOT ACCEPTABLE UNLESS SPECIFICALLY DETAILED ON THE DRAWINGS AND APPROVED BY APPROVED TESTING AGENCY.
17. GYPSUM BOARD INSTALLATION SHALL COMPLY WITH ASTM C840-11
    a. GYPSUM BOARD SHALL CONSIST OF SINGLE-PLY 5/8" THICK IN ACCORDANCE WITH ASTM C11-10a. 1
    b. GYPSUM BOARD SHALL BE INSTALLED PERPENDICULAR TO FURRING WITH SCREWS AT 12" OC MAXIMUM, IN ACCORDANCE WITH ASTM C840-11.
    c. GYPSUM BOARD SHALL BE ATTACHED TO FURRING/FRAMING WITH ASTM C1002-07 TYPE S (ASTM A568-11b GRADES 1018 TO 1022) SCREWS (NOT LESS THAN, NO. 6, WITH MAJOR DIAMETER NOT LESS THAN 0.136 IN).

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

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

OWNER: 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

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

LICENSED ARCHITECT
JOSEPH MICHAEL SFEIR
No. C 28543
REN 1-31-19
STATE OF CALIFORNIA

REV:	DESCRIPTION:	DATE:
1	OSHPD COMMENTS	10–09–17
2	DESIGN CHANGES	10–09–17
3	OSHPD COMMENTS	12–11–17
4	DESIGN CHANGES	12–11–17
5	OSHPD COMMENTS	5–15–18
6	DESIGN CHANGES	6–05–18

CONSULTANT

OSHPD APPROVAL STAMP:

OSHPD #: S171641–37–00

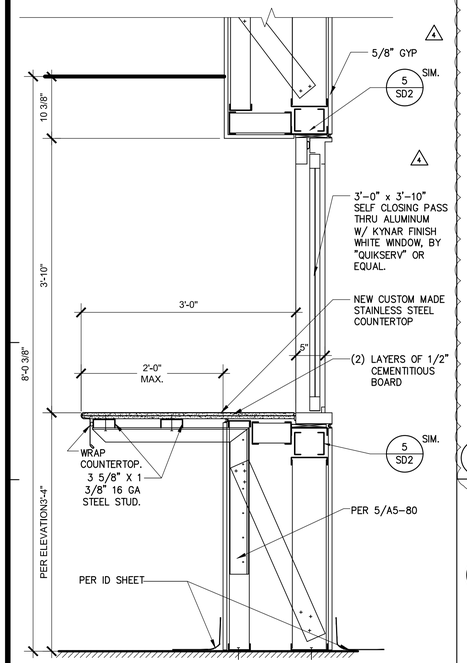
SHEET TITLE:

GYPSUM CEILING DETAILS

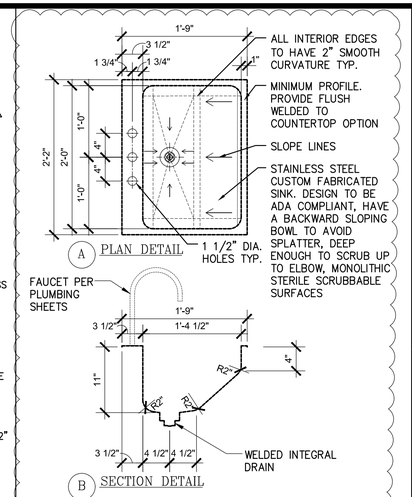
PROJECT TITLE:
TCMC USP 800

PROJECT #: 01593.00 01667.00
SHEET NUMBER: A5-60
DRAWN BY: Author
CHECKED BY: Checker
SCALE: As indicated
DATE: 08/03/16 07/31/17

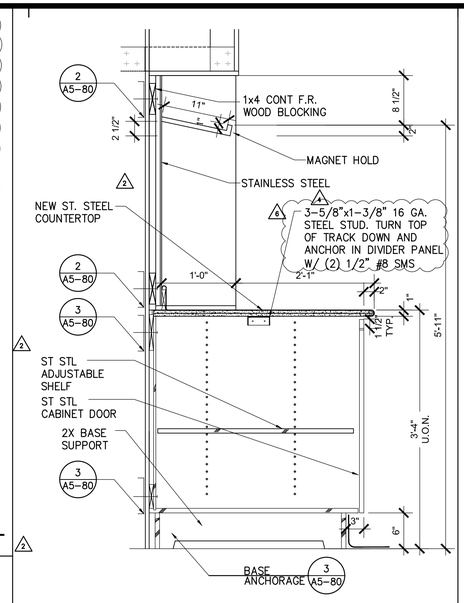
100% CONSTRUCTION DOCUMENT



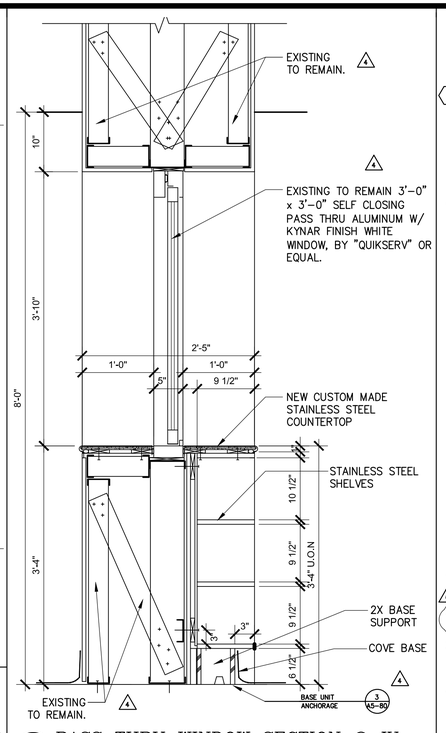
8 PASS THRU WINDOW SECTION @ WAIT
1"=1'-0"



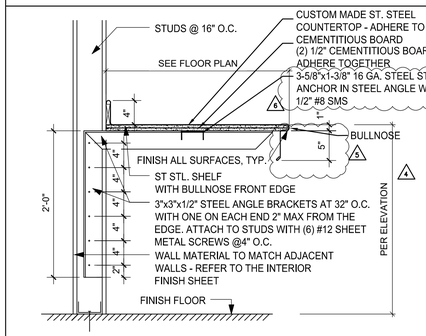
12 CUSTOM ADA SCRUB HANDWASH
1"=1'-0"



4 BASE AND UPPER CABINETS
1"=1'-0"

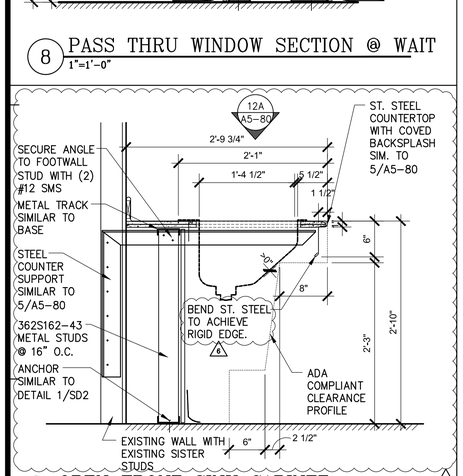


1 PASS THRU WINDOW SECTION @ IV
1"=1'-0"

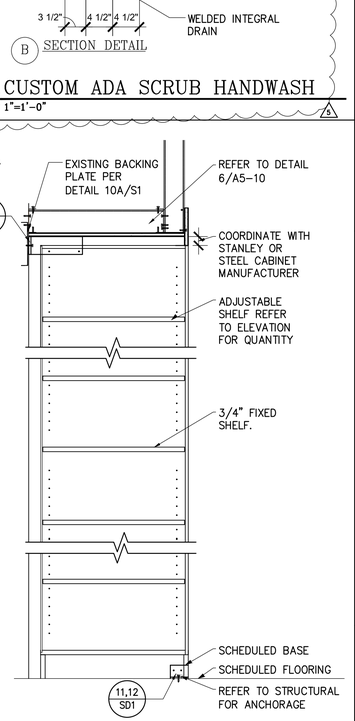


5 COUNTER STEEL SUPPORT
1"=1'-0"

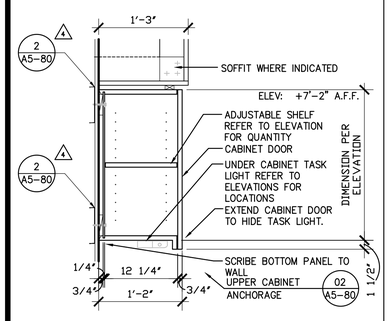
2 UPPER CABINET ANCHORAGE
1"=1'-0"



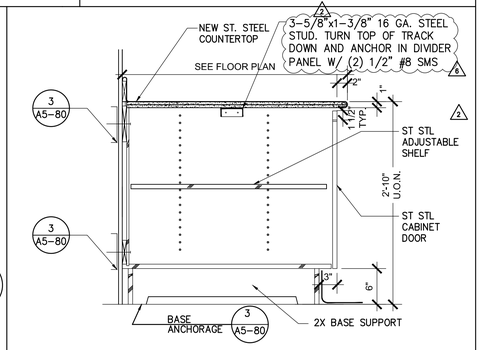
9 OPEN FRONT SINK CABINET
1"=1'-0"



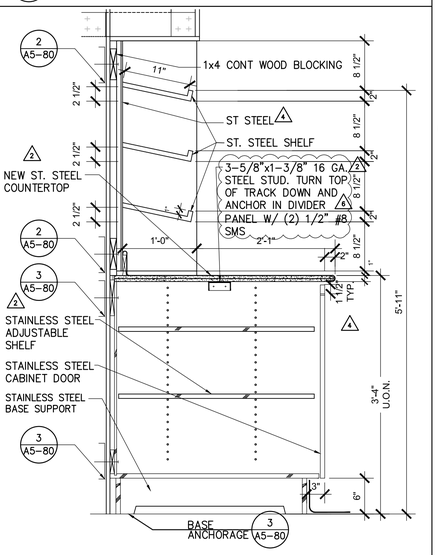
11 FULL HEIGHT ST STL CABINET
1"=1'-0"



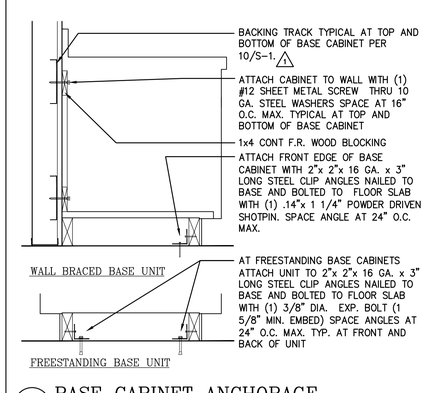
10 UPPER CABINET CLOSED
1"=1'-0"



7 BASE CABINET UNIT CLOSED
1"=1'-0"



6 BASE AND UPPER MED CABINETS
1"=1'-0"



3 BASE CABINET ANCHORAGE
N.T.S.

LEGEND:

*** REFER TO EQUIPMENT SCHEDULE.

NOTES

CASEWORK LEGEND:

CASE ID NUMBER

D100024
- CASE WIDTH (INCHES) (--- = AS REQ'D.)
- CASE HEIGHT
- CASE TYPE (REFER TO W.I.C.)
- SPECIAL PREFIX: D = DOUBLE, M = MODIFY

TASK24 = 24" TASK LIGHT MODULE
TASK36 = 36" TASK LIGHT MODULE
TASK48 = 48" TASK LIGHT MODULE
FTPED = SINK FOOT CONTROL PEDALS

HEIGHT

NUMBER	HEIGHT
A	18"
B	24"
C	27"
D	30"
E	30"
F	33"
G	36"
H	39"
J	42"
K	48"
L	54"
M	72"
N	80"
P	86"
Q	96"
R	AS REQ'D.

DEPTH (U.O.N. ON ELEVATIONS)

LOWER CASE: 24" DEEP U.O.N.
UPPER CASE: 14" DEEP U.O.N.
TALL CASE: 14" DEEP U.O.N.

OUTLET DESCRIPTION

A – MEDICAL COMPRESSED AIR	N – NURSE CALL
C – CODE BLUE	NO – NITROUS OXIDE
D – DATA	O – OXYGEN
DP – DICTAPHONE	PS – NURSE CALL PULL STATION
DS – DIMMER SWITCH	S – SWITCH
E – DUPLEX ELECT. OUTLET	T – TELEPHONE
F – FAX MACHINE	TL – TASK LIGHT
IC – INTERCOM	TV – TELEVISION
J – JUNCTION BOX	V – VACUUM
	VC – VOLUME CONTROL
	VS – VACUUM SLIDE

GENERAL NOTES:

1. ALL CASEWORK SHALL BE "CUSTOM" GRADE AS DEFINED BY THE WOODWORK INSTITUTE OF CALIFORNIA.
2. PRIME AND PAINT ALL STEEL ANGLES & CEMENTITIOUS BD. UNDER COUNTERTOPS.
3. BASES ON CASEWORK SHALL BE 4" UNLESS OTHERWISE NOTED. PROVIDE SAME FINISH BASE MATERIAL AS ADJACENT WALLS. EXTEND BASE TO WALL AT ALL CABINET RETURNS AND END PANELS.
4. IN CASES OF CABINET INSTALLATIONS BETWEEN WALLS, VERIFY DIMENSIONS IN FIELD AND PROVIDE FILLER PANEL STRIPS AT ENDS OR REDUCE END CABINETS WIDTH AS REQUIRED TO FIT SPACE AS INDICATED.
5. ALL CABINET DOORS AND DRAWERS SHALL HAVE PULLS, U.N.O. UPPER AND LOWER CABINET DOORS AND FULL HEIGHT CABINETS SHALL HAVE PULLS MOUNTED VERTICALLY. DRAWERS SHALL HAVE HORIZONTAL PULLS, U.N.O.
6. ALL FILE DRAWERS SHALL BE SIZED FOR 8 1/2"x 11" FORMS. PROVIDE FILE RODS EXTENDING FRONT TO BACK OF DRAWER UNIT. TYPICAL
7. COORDINATE HEIGHT AND LOCATION OF BACKING PLATES FOR CASEWORK WITH STUD FRAMING CONTRACTOR. REFER TO STRUCTURAL DRAWINGS FOR BACKING DETAILS.
8. REFER TO STRUCTURAL DRAWINGS FOR WALL CABINET ANCHORAGE/BACKING TRACK CONNECTION.
9. GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS OF ROUGH OPENINGS AND COORDINATE W/OWNER FOR ALL EQUIPMENT CLEARANCES PRIOR TO PREPARING SHOP DRAWINGS AND FABRICATION.

SFEIR 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

OWNER: 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

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

LICENSED ARCHITECT — JOSEPH MICHEL SFEIR — No. C 28543 — REN. 1-31-19 — STATE OF CALIFORNIA

1	1	OSHPD COMMENTS	10-09-17
2	2	DESIGN CHANGES	10-09-17
3	3	OSHPD COMMENTS	12-11-17
4	4	DESIGN CHANGES	12-11-17
5	5	OSHPD COMMENTS	5-15-18
6	6	DESIGN CHANGES	6-05-18

REV: DESCRIPTION: DATE:

CONSULTANT

OSHPD APPROVAL STAMP:

OSHPD #: S171641-37-00

SHEET TITLE:

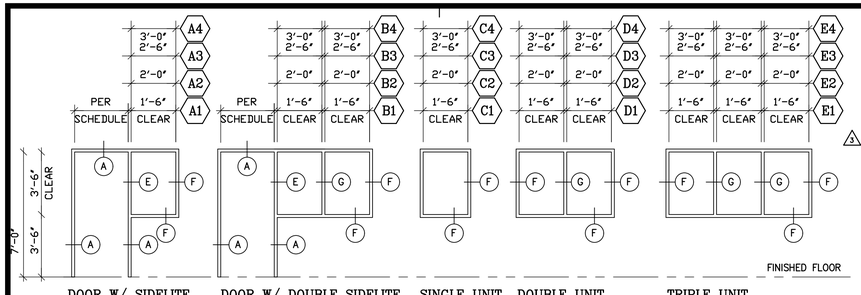
MILLWORK DETAILS

PROJECT TITLE: TCMC USP 800

PROJECT #: 01667.00
DRAWN BY: LN
CHECKED BY: JS
SCALE: AS SHOWN
DATE: 07/31/17

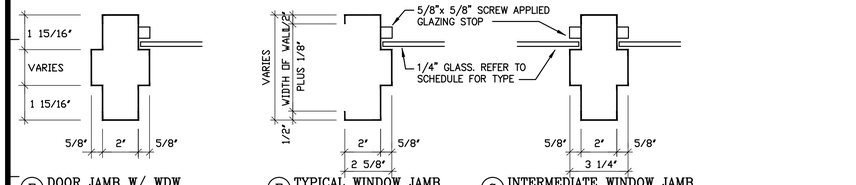
SHEET NUMBER: A5-80 OF

100% CONSTRUCTION DOCUMENT

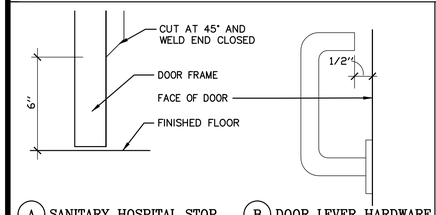


7 FRAME ELEVATIONS
1/4"=1'-0"

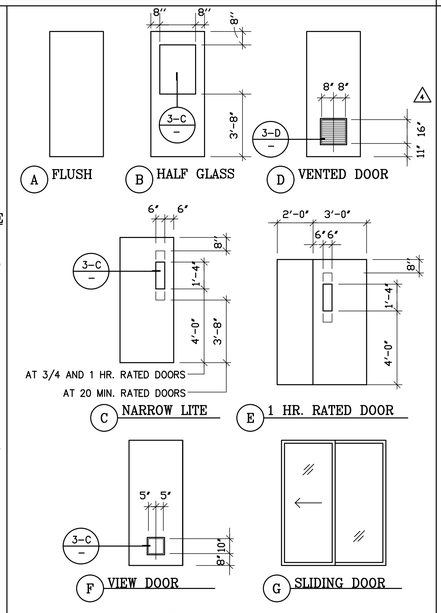
NOTES:
1. GLAZE WINDOWS WITH 1/4" POLISHED WIRE GLASS SET IN PAINTED STEEL FRAME. SET ALL GLAZING GLAZING ON CORRIDOR SIDE OF FRAME.
2. REFER TO DETAIL 8 THIS SHEET FOR FRAME TYPES.



8 FRAME TYPES
3"=1'-0"



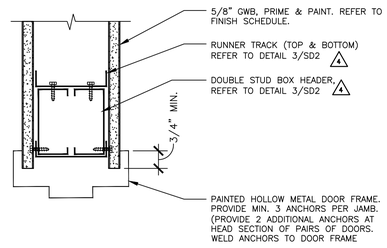
3 DOOR DETAILS
NOT TO SCALE



1 DOOR TYPES
1/4"=1'-0"

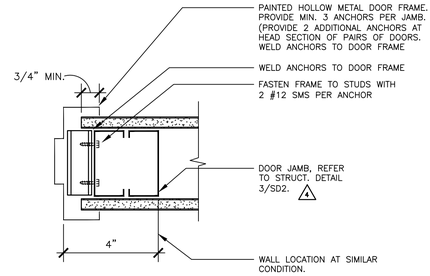
DOOR AND FRAME SCHEDULE

OPNG. NO.	DOOR				FRAME			DETAILS			LABEL	HDWR. SET	NOTES:
	TYPE	OPENING SIZE	MATERIAL	FINISH	TYPE	MATERIAL	FINISH	HEAD	JAMB	THRESHOLD			
030A	B,D	3'-6"x 7'-0"	STEEL	PTD	A	STEEL	PTD	9	10	--	NR	01	1 3 4 5 6
031A	B	3'-6"x 7'-0"	STEEL	PTD	A	STEEL	PTD	9	10	--	NR	02	1 3 4
032A	B	3'-6"x 7'-0"	STEEL	PTD	A	STEEL	PTD	9	10	--	NR	03	1 3 4 5 6



NOTE:
REFER TO FLOOR PLAN FOR REQUIRED PARTITION TYPE AND NUMBER OF GYP. BOARD LAYERS.

9 TYPICAL DOOR HEADER
3"=1'-0"



NOTE:
REFER TO FLOOR PLAN FOR REQUIRED PARTITION TYPE AND NUMBER OF GYP. BOARD LAYERS.

10 TYPICAL DOOR JAMB
3"=1'-0"

DOOR SCHEDULE GENERAL NOTES:

1. PROVIDE SANITARY "HOSPITAL STOPS" AT ALL NON-RATED INTERIOR DOOR FRAMES.
2. ALL DOORS SHALL RECEIVE LEVER TYPE HARDWARE WITH A PROFILE EQUAL TO DETAIL 3-B THIS SHEET
3. GLAZED OPENINGS IN 20 AND 45 MINUTE ASSEMBLIES SHALL NOT EXCEED 1296 SQ. INCHES AND SHALL BE GLAZED WITH 1/4" WIRE GLASS SET IN PAINTED STEEL FRAME.
4. GLAZED OPENINGS IN 60 AND 90 MINUTE ASSEMBLIES SHALL NOT EXCEED 100 SQ. INCHES AND SHALL BE GLAZED WITH 1/4" WIRE GLASS SET IN PAINTED STEEL FRAME.
5. FRAMES OF GLAZED OPENINGS IN DOORS SHALL BE PRIMED AND PAINTED TO MATCH DOOR FRAMES.
6. CENTER OF DOOR HINGE PIVOT SHALL BE LOCATED AT 4" FROM ADJACENT PARTITION UON.

DOOR SCHEDULE KEYNOTES:

1. PROVIDE STAINLESS STEEL KICKPLATE, 30" HIGH ON PUSH SIDE OF DOOR.
2. NOT USED.
3. TEMPERED GLASS.
4. FLOOR MOUNTED DOOR STOP.
5. EXISTING AUTOMATIC DOOR OPENER TO BE REINSTALLED, AND IT IS EQUIPPED WITH SELF CLOSING DEVICE PER ITEM 6C IN A2 CHECKLIST.
6. REUSE EXISTING DOOR FRAME.

DOOR SCHEDULE FINISH LEGEND:

SCWD	SOLID CORE WOOD DOOR	ST	STAINED, MATCH EXISTING
PL	PLASTIC LAMINATE	NR	NOT RATED
PTD	PAINTED	BAST	BALISTIC STEEL
AC	ACROVYN	MAR	MARBLE
E	EXISTING		

SFEIR 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

OWNER: 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

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

LICENSED ARCHITECT JOSEPH MICHAEL SFEIR No. C 28543 REN. 1-31-19 STATE OF CALIFORNIA

REV.	DESCRIPTION:	DATE:
1	OSHPD COMMENTS	10-09-17
2	DESIGN CHANGES	10-09-17
3	OSHPD COMMENTS	12-11-17
4	DESIGN CHANGES	12-11-17
5	OSHPD COMMENTS	5-15-18
6	DESIGN CHANGES	6-05-18

CONSULTANT

OSHPD APPROVAL STAMP:

OSHPD #: S171641-37-00

SHEET TITLE:

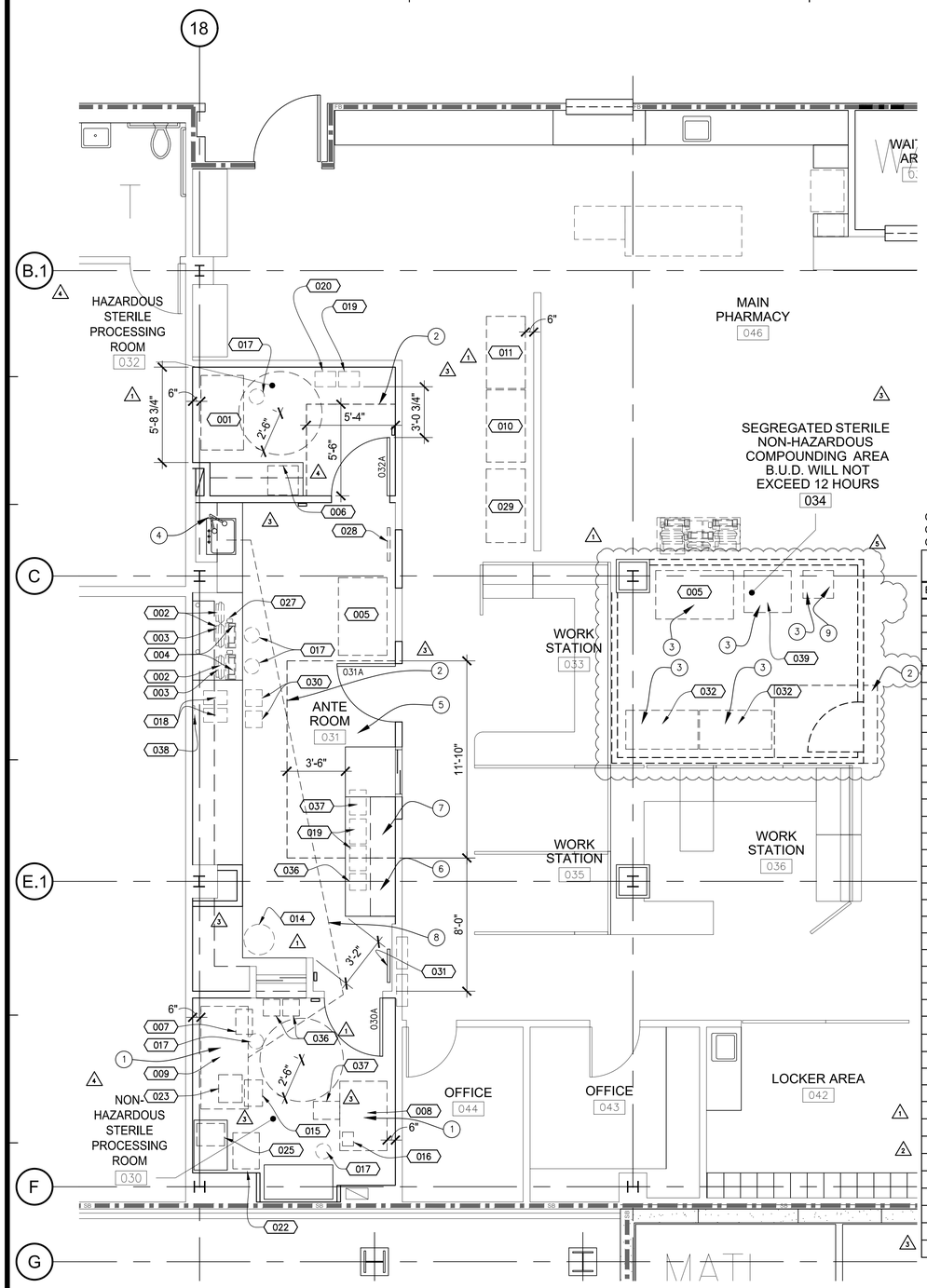
DOOR AND INTERIOR OPENINGS SCHEDULE

PROJECT TITLE:
TCMC USP 800

PROJECT #: 01667.00
DRAWN BY: LN
CHECKED BY: JS
SCALE: AS SHOWN
DATE: 07/31/17

SHEET NUMBER:
A6-00
OF

100% CONSTRUCTION DOCUMENT



1 PROPOSED EQUIPMENT PLAN
SCALE: 1/4" = 1'-0"

NORTH

EQUIPMENT PLAN KEYNOTES:

1. MOVE EXISTING EQUIPMENT, INSTALL 6" AWAY FROM BACK WALL.
2. FLOOR MARKING 2" WIDE YELLOW TAPE INDICATING SEGREGATED AREA.
3. EQUIPMENT LOCATION DURING CONSTRUCTION TO BE RELOCATED AFTER PHASE 1. SEE PHASING PLAN.
4. GLOVE DISPENSER.
5. DONNING AND DOFFING AREA.
6. CLEANING MATERIALS AND SUPPLIES.
7. GOWN STORAGE.
8. DISTANCE BETWEEN EYE WASH AND FURTHEST WORK STATION =36'-2".
9. TEMPORARY EYE WASH.

GENERAL NOTES:

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

PARTITION LEGEND:

- ACCESSIBLE PATH OF TRAVEL.
- EGRESS PATH OF TRAVEL.
- ONE-HOUR RATED CORRIDOR.
- INDICATES AN EXISTING MEMBRANE OF PARTITION OR PARTITION TO BE REMOVED. REFER TO DEMOLITION PLAN FOR FURTHER REQUIREMENTS.
- INDICATES AN EXISTING PARTITION TO REMAIN. REFER TO PLAN FOR UPGRADE REQUIREMENTS.
- SB — INDICATES AN EXISTING 1 HOUR SMOKE BARRIER
- SP — INDICATES AN EXISTING 1 HOUR SMOKE PARTITION
- FP — INDICATES AN EXISTING ONE HOUR FIRE RATED PARTITION TO REMAIN. ALL PENETRATIONS SHALL BE PROTECTED WITH A UL-LISTED FIRE STOP SYSTEM.
- FB — 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.

OFOI : OWNER FURNISHED, OWNER INSTALLED
OFCI : OWNER FURNISHED, CONTRACTOR INSTALLED
CFCI : CONTRACTOR FURNISHED, CONTRACTOR INSTALLED

EQUIPMENT SCHEDULE

EQUIP #	DESCRIPTION	WEIGHT(APPROX.)	HEIGHT=h	WIDTH=b	DEPTH=d	ELEV/SHT	REMARKS	EXIS.	NEW	OFOI	OFCI	CFCI	QNTY	HVAC	ELECT	DATA	SEISMIC
001	BSC WORKSTATION	800 LBS	90.5"	52.5"	33.5"	–/A–9	VBM SG404 BAKER STERILGARD, CALCS BY SSE		X		X		1	X	X	N/A	X
002	MONITOR	N/A	16"	15"	7.5"	–/–		X		X			4	N/A	N/A	N/A	N/A
003	CPU	N/A	18"	6"	18"	–/–		X		X			2	N/A	N/A	X	N/A
004	KEYBOARD	N/A	3"	18"	6"	–/–		X		X			4	N/A	N/A	N/A	N/A
005	PHARMACY REFRIGERATOR	1,470 LBS	84"	56"	35"	–/–	KELVINATOR/MODEL BT30RG–4.1, CALCS BY SSE	X			X		1	X	X	N/A	X
006	CHEMOTHERAPY REFRIGERATOR	100 LBS	35"	22"	21"	–/–	KENMORE 564.9149510	X			X		1	N/A	N/A	N/A	N/A
007	PHARMACEUTICAL WASTE	N/A	26"	12"	18"	–/–		X			X		1	N/A	N/A	N/A	N/A
008	LAMINAR FLOW WORK BENCH	440 LBS	70"	50"	34"	–/–	BAKER "EDGEGARD"/MODEL EG4252, CALCS BY SSE	X			X		1	X	X	N/A	X
009	LAMINAR FLOW WORK STATION	680 LBS	70"	74"	34"	–/–	BAKER EG6252, CALCS BY SSE	X			X		1	X	X	N/A	X
010	PYXIS SUPPLY–AUXILLARY	1,000 LBS	78"	52"	28"	–/–		X			X		1	X	X	X	X
011	PYXIS SUPPLY–MAIN	1,000 LBS	78"	52"	28"	–/–		X			X		1	X	X	X	X
012	– NOT USED –	N/A	–	–	–	–/–											
013	– NOT USED –	N/A	–	–	–	–/–											
014	REGULAR WASTE CONTAINER, TYPE 1	N/A	27"	22ø"	––	–/–		X		X			1	N/A	N/A	N/A	N/A
015	SHARPS WASTE CONTAINER	N/A	26"	13"	19"	–/–		X		X			1	N/A	N/A	N/A	N/A
016	MULTI–ADD PUMP	25 LBS	13"	8"	10"	–/–		X		X			2	X	X	N/A	N/A
017	ROLLABLE STOOL	N/A	–	–	–	–/–		X		X			9	N/A	N/A	N/A	N/A
018	IV LABEL PRINTER	25 LBS	13"	10"	19"	–/–		X		X			1	N/A	X	X	N/A
019	HAZARDOUS PHARMA. WASTE CONT.	N/A	16"	12ø	––	–/–		X		X			1	N/A	N/A	N/A	N/A
020	TRACE CHEMO CONTAINER	N/A	18"	11"	15"	–/–		X		X			1	N/A	N/A	N/A	N/A
021	– NOT USED –	N/A	–	–	–	–/–											
022	TABLE	N/A	34"	26"	19"	–/–		X									
023	MULTI–ADD PUMP	120 LBS	24"	20"	17"	–/–		X		X			1	N/A	X	N/A	N/A
024	– NOT USED –	N/A	–	–	–	–/–											
025	PRINTER	N/A	16"	20"	16"	–/–		X		X			2	N/A	X	X	N/A
026	– NOT USED –	N/A	–	–	–	–/–											
027	MONITOR (PHARMACIST STATION)	10 LBS	18"	18"	6"	–/–		X		X			2	N/A	N/A	N/A	N/A
028	WHITE BOARD	N/A	36"	24"	N/A	–/–		X		X			1	N/A	N/A	N/A	N/A
029	REFRIGERATOR	1,654 LBS	79"	53"	30"	–/–	KELVINATOR/MODEL BB50RG–3, CALCS BY SSE	X				X					
030	MOBILE INCINERATION WASTE	N/A	–	–	–	–/–		X									
031	WALL HUNG CLEANING SUPPLIES	N/A	–	–	–	–/–		X									
032	GLOVE CAC ISOLATOR	N/A	85"	51"	28"	–/–			X		X		2				
033	– NOT USED –	N/A	–	–	–	–/–											
034	– NOT USED –	N/A	–	–	–	–/–											
035	IV STORAGE(MOBILE)	N/A	–	–	–	–/–		X									
036	INCINERATION WASTE	N/A	–	14"	14"	–/–		X									
037	REGULAR WASTE	N/A	–	13"	19"	–/–		X									
038	CLOCK	N/A	–	12" DIA.	–	–/–		X									
039	TEMPORARY WASH STATION	N/A	–	–	–	–/–			X								

SFEIR 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

OWNER: 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

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

LICENSED ARCHITECT — JOSEPH MICHAEL SFEIR — No. C 28543 — REN. 1-31-19 — STATE OF CALIFORNIA

REV:		DESCRIPTION:	DATE:
1	1	OSHPD COMMENTS	10–09–17
2	2	DESIGN CHANGES	10–09–17
3	3	OSHPD COMMENTS	12–11–17
4	4	DESIGN CHANGES	12–11–17
5	5	OSHPD COMMENTS	5–15–18
6	6	DESIGN CHANGES	6–05–18

CONSULTANT

OSHPD APPROVAL STAMP:

OSHPD #: S171641–37–00

SHEET TITLE:

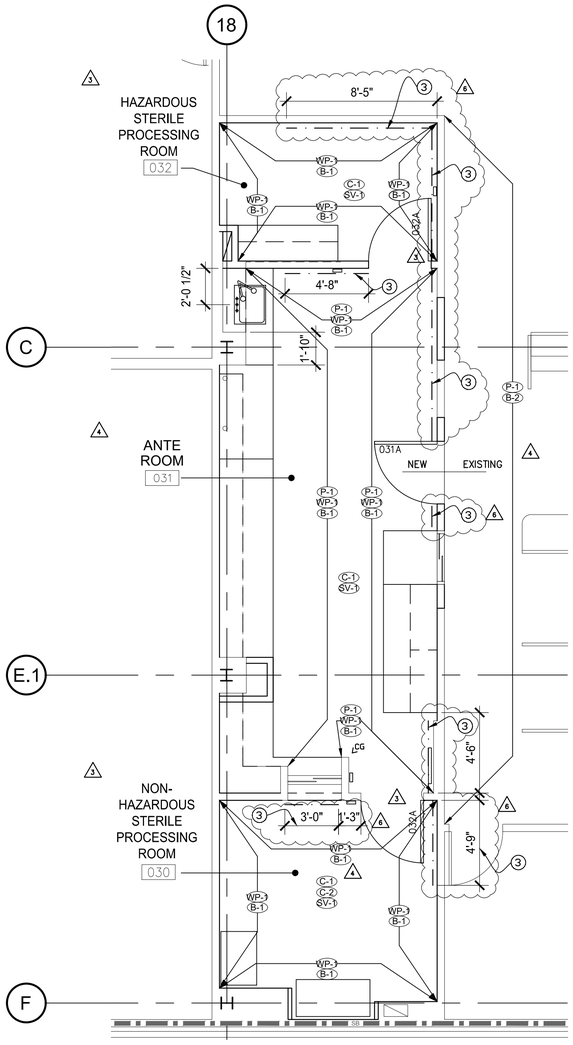
PROPOSED EQUIPMENT FLOOR PLAN

PROJECT TITLE: TCMC USP 800

PROJECT #: 01667.00
DRAWN BY: JAR
CHECKED BY: JS
SCALE: 1/4" = 1'–0"
DATE: 07/31/17

SHEET NUMBER: A6-20 OF

100% CONSTRUCTION DOCUMENT



1 NEW FINISH PLAN
SCALE: 1/4" = 1'-0"

NORTH

2 NEW BATHROOM FINISH PLAN
SCALE: 1/4" = 1'-0"

I.D. KEYNOTES:

1. REUSE EXISTING THRESHOLD.
2. PRIME AND PAINT DOOR FRAME.
3. CRASH RAILS PER DETAIL 4/ID-2. WP-2.

FINISH LEGEND:

FLOORS

SV-1	MANUFACTURER:	MANNINGTON
	TYPE:	6' WIDE ROLL
	PATTERN:	BIOSPEC
	COLOR:	#15366 "GRASSLAND"
T-2	MANUFACTURER:	DALTILE
	TYPE:	'KEYSTONES' PORCELAIN MOSAIC
	PATTERN:	1"x1"
	COLOR:	UPTOWN TAUPE D132
	GROUT:	MAPEI 'CACAO'

BASE

B-1	6" SHEET VINYL SELF COVE OF SHEET VINYL ADJACENT TO THE WALL, REFER TO DETAIL #1 ON SHEET ID-2
B-2	6" RUBBER BASE TO MATCH EXISTING

B-3	MANUFACTURER:	DALTILE
	TYPE:	BUILD-UP BASE MB-4C
	PATTERN:	1"x1", COVED BASE
	COLOR:	UPTOWN TAUPE D132
	GROUT:	MAPEI 'CACAO'

DOOR & FRAME

DR-030A	DOOR:	PRIME AND PAINT MATCH FRAME
	FRAME:	PRIME AND PAINT SHERWIN WILLIAMS SW 7032 "WARM STRONG BEIGE"
	NOTE:	REUSE EXISTING FRAME
DR-032A	DOOR:	PRIME AND PAINT MATCH FRAME
	FRAME:	PRIME AND PAINT SHERWIN WILLIAMS SW 7032 "WARM STRONG BEIGE"
DR-032A	DOOR:	PRIME AND PAINT MATCH FRAME
	FRAME:	PRIME AND PAINT SHERWIN WILLIAMS SW 7032 "WARM STRONG BEIGE"
	NOTE:	REUSE EXISTING FRAME

WALL PROTECTION:

WP-1	MANUFACTURER:	ACROVYN
	TYPE:	PEBBELETTE
	PATTERN:	SUEDE TEXTURE
	COLOR:	#101 "FRENCH CREAM"
	NOTE:	SEE ELEVATIONS FOR FULL HEIGHT APPLICATION
WP-2	MANUFACTURER:	ACROVYN
	TYPE:	CRASH RAIL
	PATTERN:	SUEDE TEXTURE
	COLOR:	#101 "FRENCH CREAM"
	NOTE:	SEE PLAN AND ELEVATION FOR LOCATION. SEE DETAIL 4/ID-2.
T-1	MANUFACTURER:	DALTILE
	TYPE:	'SEMI-GLOSS' GLAZED CERAMIC
	PATTERN:	4.25"x4.25", TO 48" A.F.F. MIN., BULLNOSE TOP COURSE
	COLOR:	URBAN PUTTY 0161
	GROUT:	MAPEI 'NAVAJO BROWN'

CEILINGS

C-1		GYPSUM BOARD CEILING SHERWIN WILLIAMS SW 6119 "ANTIQUE WHITE" GLOSS FINISH
C-2		EXISTING GYPSUM BOARD CEILING - REPAINT SHERWIN WILLIAMS SW 6119 "ANTIQUE WHITE" GLOSS FINISH
ACP-1	MANUF:	USG
	MATERIAL:	ACOUSTICAL CEILING PANEL
	STYLE:	MATCH EXISTING
	SIZE:	24"x24"
	GRID COLOR:	WHITE

CASEWORK & ALL EXPOSED SURFACES:

ST STL	MANUFACTURER:	STANLEY
	COLOR:	N/A

COUNTERTOPS

ST STL	MANUFACTURER:	STANLEY
	COLOR:	N/A

WALLS:

P-1	MANUFACTURER:	ICI
	TYPE:	SEMI-GLOSS
	COLOR:	#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 — INDICATES AN EXISTING 1 HOUR SMOKE BARRIER
- SP — INDICATES AN EXISTING 1 HOUR SMOKE PARTITION
- FP — INDICATES AN EXISTING ONE HOUR FIRE RATED PARTITION TO REMAIN. ALL PENETRATIONS SHALL BE PROTECTED WITH A UL-LISTED FIRE STOP SYSTEM.
- FB — 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.
- SB — INDICATES A NEW 1 HOUR SMOKE BARRIER
- SP — INDICATES A NEW 1 HOUR SMOKE PARTITION
- FP — INDICATES A NEW ONE HOUR RATED FIRE PARTITION EXTENDING TO THE UNDERSIDE OF THE STRUCTURE ABOVE. ALL PENETRATIONS SHALL BE PROTECTED WITH A UL-LISTED FIRE STOP SYSTEM.
- 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.
- 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.
- X — WALL TYPE REFERENCE REFER TO SHEET A5-10.

PARTITION NOTES:

1. 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.
2. 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:

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.

FINISH PLAN GENERAL NOTES:

1. PATCH AND REPAIR FINISHES IN LIKE KIND WHERE AFFECTED BY NEW CONSTRUCTION ON EXISTING BUILDING FINISHES.
2. ALL WINDOW COVERING TO BE CENTERED ON STOREFRONT AND INTALL PER MANUFACTURER'S REQUIREMENTS.
3. REFER TO ENLARGE FLOOR PLANS FOR CORNER GUARDS, CRASH RAIL AND CHAIRD RAIL LOCATONS.
4. REFER TO INTERIOR ELEVATIONS AND SHEET A5-80 FOR ALL CASEWORK FINISHES.
5. CONTRACTOR SHALL SUBMIT SIX (6) COPIES OF MANUFACTURER'S SPECIFICATIONS AND INSTALLATION INSTRUCTIONS FOR ALL FLOORING, CEMENT LEVELING AND PATCHING MATERIALS. PERFORM STRICTLY IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS. PROVIDE MAINTENANCE INFORMATION TO THE FACILITIES MAINTENANCE DEPARTMENT.
6. PATCH AND REPAIR EXISTING SUB FLOOR SLAB AS REQUIRED TO PROVIDE A SMOOTH SURFACE FOR NEW FLOORING PER MANUFACTURER'S INSTALLATION REQUIREMENTS. PROVIDE SELF-LEVELING UNDERLAYMENT CONCRETE.
7. FLOORING PREPARATION SHALL BE PERFORMED AS REQUIRED BY THE FLOOR FINISH MANUFACTURER IN A MANNER SUCH THAT THE MANUFACTURER'S PRODUCT WARRANTY WILL REMAIN IN EFFECT. IF FIELD CONDITIONS REQURIE VARIATIONS FROM MANUFACTURER'S REQUIREMENTS, THE CONTRACTOR SHALL NOTIFY THE FACILITIES MANAGER IN WRITING TO RECEIVE INSTRUCTIONS ON HOW TO PROCEED.
8. ALL ADHESIVES FOR FINISH MATERIALS SHALL HAVE LOW VOC EMISSIONS. CONTRACTOR SHALL PROVIDE DIRECT VENTILATION TO PREVENT VOC'S OUT GASSING FROM ADHESIVES FROM ENTERING THE BUILDING HVAC SYSTEM AND AFFECTING THE OCCUPANTS OF THE BUILDING.

CONTRACTOR TO PROVIDE TRANSITIONS BETWEEN FLOORING MATERIALS PER DETAILS ON SHEET ID-2. ALL TRANSITIONS LOCATED UNDER DOORS, TO BE CENTERED UNDER DOOR.

9. DOOR SWING: CONTRACTOR SHALL INSTALL ALL NEW FLOORING SUCH THAT IT DOES NOT INTERFERE WITH EXISTING DOORS AND SUCH A WAY THAT EXISTING DOORS DO NOT TOUCH THE SURFACE OF NEW FLOORING. ANY PROBLEMATIC DOORS SHALL BE BROUGHT TO THE ATTENTION FO THE FACILITIES CONSTRUCTION REPRESENTATIVE PRIOR TO FLOORING PREPARATION.
10. 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.
11. CONTRACTOR TO INCLUDE ALLOWANCE FOR CONCRETE SLAB SEALER TO BE FURNISHED AND APPLIED UNDER ALL FLOOR FINISHES ON SLAB ON GRADE.
12. 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.
13. CONTINUE ALL FLOOR FINISHES UNDER ALL APPLIANCES AND REMOVABLE CABINETS AND EQUIPMENT.

PAINT AND WALL FINISHES:

14. 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.

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

RESILIENT FLOORING:

18. 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.
19. 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:

20. ALL CASEWORK AND MILL WORK TO CONFORM TO THE REQUIREMENTS OF THE LATEST EDITION OF W.I.C. FOR CUSTOM GRADE.
21. NOT USED.
22. SHOP DRAWINGS SHALL BE SUBMITTED FOR ALL CASEWORK AND MILL WORK.

FLAME SPREAD:

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

SFEIR 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

OWNER: 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

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

LICENSED ARCHITECT — JOSEPH MICHAEL SFEIR III — No. C 28543 — REN. 1-31-19 — STATE OF CALIFORNIA

1	1	OSHPD COMMENTS	10-09-17
2	2	DESIGN CHANGES	10-09-17
3	3	OSHPD COMMENTS	12-11-17
4	4	DESIGN CHANGES	12-11-17
5	5	OSHPD COMMENTS	5-15-18
6	6	DESIGN CHANGES	6-05-18

REV: DESCRIPTION: DATE:

CONSULTANT

OSHPD APPROVAL STAMP:

OSHPD #: S171641-37-00

SHEET TITLE:

NEW FINISHES PLAN

PROJECT TITLE:
TCMC USP 800

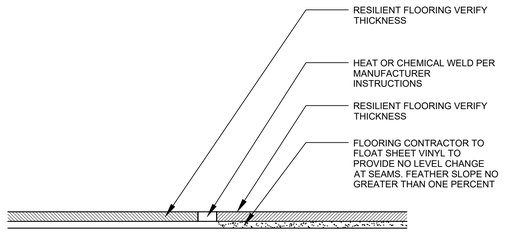
PROJECT #: 01667.00
DRAWN BY:
CHECKED BY:
SCALE:
DATE: 07/31/17

SHEET NUMBER:

ID-1

OF

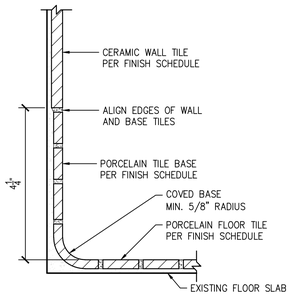
100% CONSTRUCTION DOCUMENT



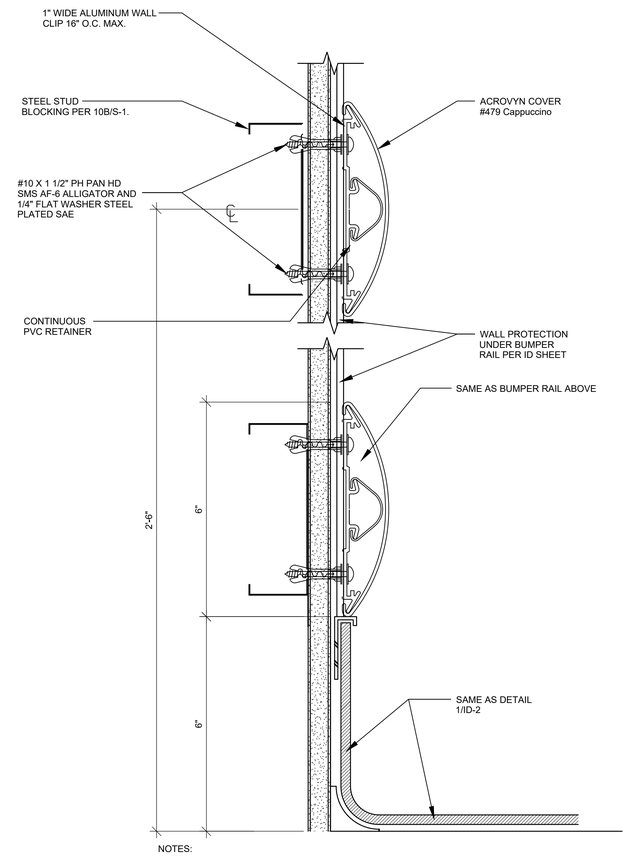
NOTES:

1. DETAIL APPLICABLE WHEN NEW RESILIENT FLOORING IS INSTALLED NEXT TO OLD.

5 NEW RESILIENT TO EXISTING RESILIENT
6" = 1'-0"



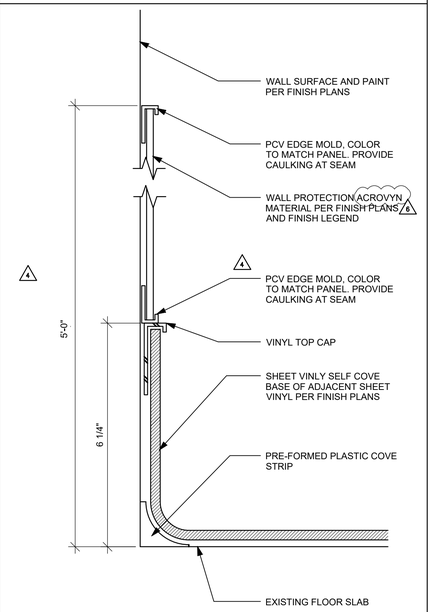
3 TILE COVE BASE DETAIL
6" = 1'-0"



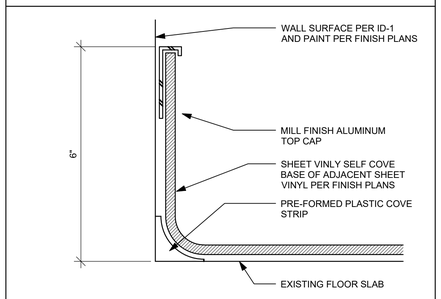
NOTES:

1. DETAIL APPLIES TO LOCATIONS MARKED WITH "WP-2 CRASH RAIL."

4 CRASH RAIL
6" = 1'-0"



2 WALL PROTECTION DETAIL
6" = 1'-0"



NOTES:

1. STANDARD FINISH BASE DETAIL, APPLY AT ALL LOCATIONS RESILIENT SELF COVE BASE LOCATIONS PER FINISH PLANS.

1 SHEET VINYL COVE BASE
6" = 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.

FINISH PLAN GENERAL NOTES:

1. PATCH AND REPAIR FINISHES IN LIKE KIND WHERE AFFECTED BY NEW CONSTRUCTION ON EXISTING BUILDING FINISHES.
2. ALL WINDOW COVERING TO BE CENTERED ON STOREFRONT AND INTALL PER MANUFACTURER'S REQUIREMENTS.
3. REFER TO ENLARGE FLOOR PLANS FOR CORNER GUARDS, CRASH RAIL AND CHAIRD RAIL LOCATONS.
4. REFER TO INTERIOR ELEVATIONS AND SHEET A5-80 FOR ALL CASEWORK FINISHES.
5. CONTRACTOR SHALL SUBMIT SIX (6) COPIES OF MANUFACTURER'S SPECIFICATIONS AND INSTALLATION INSTRUCTIONS FOR ALL FLOORING, CEMENT LEVELING AND PATCHING MATERIALS. PERFORM STRICTLY IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS. PROVIDE MAINTENANCE INFORMATION TO THE FACILITIES MAINTENANCE DEPARTMENT.
6. PATCH AND REPAIR EXISTING SUB FLOOR SLAB AS REQUIRED TO PROVIDE A SMOOTH SURFACE FOR NEW FLOORING PER MANUFACTURER'S INSTALLATION REQUIREMENTS. PROVIDE SELF-LEVELING UNDERLAYMENT CONCRETE.
7. FLOORING PREPARATION SHALL BE PERFORMED AS REQUIRED BY THE FLOOR FINISH MANUFACTURER IN A MANNER SUCH THAT THE MANUFACTURER'S PRODUCT WARRANTY WILL REMAIN IN EFFECT. IF FIELD CONDITIONS REQURIE VARIATIONS FROM MANUFACTURER'S REQUIREMENTS, THE CONTRACTOR SHALL NOTIFY THE FACILITIES MANAGER IN WRITING TO RECEIVE INSTRUCTIONS ON HOW TO PROCEED.
8. ALL ADHESIVES FOR FINISH MATERIALS SHALL HAVE LOW VOC EMISSIONS. CONTRACTOR SHALL PROVIDE DIRECT VENTILATION TO PREVENT VOC'S OUT GASSING FROM ADHESIVES FROM ENTERING THE BUILDING HVAC SYSTEM AND AFFECTING THE OCCUPANTS OF THE BUILDING.
9. CONTRACTOR TO PROVIDE TRANSITIONS BETWEEN FLOORING MATERIALS PER DETAILS ON SHEET ID-2. ALL TRANSITIONS LOCATED UNDER DOORS, TO BE CENTERED UNDER DOOR.
10. DOOR SWING: CONTRACTOR SHALL INSTALL ALL NEW FLOORING SUCH THAT IT DOES NOT INTERFERE WITH EXISTING DOORS AND SUCH A WAY THAT EXISTING DOORS DO NOT TOUCH THE SURFACE OF NEW FLOORING. ANY PROBLEMATIC DOORS SHALL BE BROUGHT TO THE ATTENTION FO THE FACILITIES CONSTRUCTION REPRESENTATIVE PRIOR TO FLOORING PREPARATION.
11. PERFORM CALCIUM CHLORIDE TEST FOR ALL SLAB SUBFLOORS WHERE SLAB IS NEW, OR ALL EXISTING SLAB ON GRADE LOCATIONS. WHERE EXISTING SLAB IS ABOVE GRADE, CONTRACTOR MAY LIMIT TESTING TO AREAS NEAR A SOURCE OF WATER SUCH AS AROUND PLUMBING LINES, SHOWER STALLS, ROOF DRAINS, ETC. WHERE MOISTURE IN THE SLAB EXCEEDS FINISH MATERIAL'S MANUFACTURER'S RECOMMENDATIONS, REFER TO NOTES ABOVE FOR MANUFACTURER'S WARRANTY REQUIREMENTS.
12. CONTRACTOR TO INCLUDE ALLOWANCE FOR CONCRETE SLAB SEALER TO BE FURNISHED AND APPLIED UNDER ALL FLOOR FINISHES ON SLAB ON GRADE.
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:

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

SFEIR 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

OWNER: 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

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

LICENSED ARCHITECT
JOSEPH MICHAEL SFEIR
No. C 28543
REN. 1-31-19
STATE OF CALIFORNIA

1	1	OSHPD COMMENTS	10-09-17
2	2	DESIGN CHANGES	10-09-17
3	3	OSHPD COMMENTS	12-11-17
4	4	DESIGN CHANGES	12-11-17
5	5	OSHPD COMMENTS	5-15-18
6	6	DESIGN CHANGES	6-05-18

REV: DESCRIPTION: DATE:

CONSULTANT

OSHPD APPROVAL STAMP:

OSHPD #: S171641-37-00

SHEET TITLE:

FINISHES, NOTES & DETAILS

PROJECT TITLE:
TCMC USP 800

PROJECT #: 01667.00
DRAWN BY: AR
CHECKED BY: JS
SCALE: 1/4" = 1'-0"
DATE: 07/31/17

SHEET NUMBER:
ID-2
OF

100% CONSTRUCTION DOCUMENT

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, SITE CONDITIONS PRIOR TO STARTING CONSTRUCTION. THE ARCHITECT AND STRUCTURAL ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTENCIES.
2. THE ARCHITECT AND STRUCTURAL ENGINEER SHALL BE NOTIFIED OF ANY CONFLICTS OR OMISSIONS BETWEEN THE WORKING DRAWINGS OR SPECIFICATIONS BEFORE PROCEEDING ANY WORK SO AFFECTED. A CLARIFICATION SHALL BE ISSUED FOR SUCH CONFLICTS. ANY WORK PERFORMED IN CONFLICT WITH THE CONTRACT DOCUMENTS OR ANY CODE REQUIREMENTS SHALL BE CORRECTED BY THE ARCHITECT AND STRUCTURAL ENGINEER
3. THE STRUCTURAL DRAWINGS AND SPECIFICATIONS FOR CONSTRUCTION REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES INCLUDE, BUT NOT LIMITED TO, BRACING, SHORING, TO INSURE THE VERTICAL AND LATERAL STABILITY OF THE STRUCTURE. OBSERVATION VISITS TO THE SITE BY THE ARCHITECT AND STRUCTURAL ENGINEER SHALL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS AND DOES NOT RELIEVE THE CONTRACTOR'S RESPONSIBILITIES.
4. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONFORMING TO ALL LOCAL, STATE AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS AND REGULATIONS. THE ARCHITECT AND STRUCTURAL ENGINEER WILL NOT ENFORCE SAFETY MEASURES OR REGULATIONS.
5. NOTES AND DETAILS ON THE DRAWINGS SHALL TAKE PRECEDENCE OVER THE GENERAL NOTES AND TYPICAL DETAILS. DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALES SHOWN ON THE DRAWINGS IN CASE OF CONFLICT.
6. ALL WORKS SHALL CONFORM TO THE STANDARDS OF THE 2016 CALIFORNIA BUILDING CODE.
7. A.S.T.M. SPECIFICATIONS NOTED ON THE DRAWINGS SHALL BE OF THE LATEST REVISION.
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.
9. CONTRACTOR SHALL PROVIDE AND BE RESPONSIBLE FOR THE PROTECTION AND REPAIR OF ADJACENT EXISTING SURFACES AND AREAS WHICH MAY BE DAMAGED AS A RESULT OF NEW WORK.

EXPANSION ANCHOR BOLTS

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

ANCHOR TYPE	ICC–ES ESR#
3/8"ø HILTI KB TZ	1917

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

ANCHOR TYPE	TORQUE	ICC–ES ESR#
3/8"ø HILTI KB TZ ANCHOR	25 FT–LBS	1917

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

WHEN INSTALLING DRILLED–IN ANCHORS AND/OR POWDER DRIVEN PINS IN EXISTING NON–PRESTRESSED REINFORCED CONCRETE, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE EXISTING REINFORCING BARS OR EMBEDED PIPES AND CONDUITS IN THE SLAB BY USING A NON DESTRUCTIVE METHOD PRIOR TO INSTALLATION WHEN INSTALLING THEM INTO PRESTRESSED CONCRETE (PRE OR POST TENSIONED) LOCATED THE PRESTRESSED TENDONS BY USING A NON DESTRUCTIVE METHOD PRIOR TO INSTALLATION. EXERCISE EXTREME CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE TENDONS DURING INSTALLATION.

MAINTAIN 1" MINIMUM CLEARANCE BETWEEN EXISTING REINFORCEMENT AND THE EPOXY ANCHOR

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

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

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

TEST EQUIPMENT INCLUDING TORQUE WRENCHES SHALL BE CALIBRATED BY AN APPROVED TESTING LABORATORY IN ACCORDANCE WITH STANDARD RECOGNIZED PROCEDURES.

TEST METHODS; THE FOLLOWING CRITERIA APPLY FOR THE ACCEPTANCE OF INSTALLED ANCHORS:
A). HYDRAULIC RAM METHOD:
ANCHORS TESTED WITH A HYDRAULIC JACK OR SPRING LOADED DEVICES SHALL MAINTAN THE TEST LOAD FOR MINIMUM OF 15 SECONDS AND SHALL EXHIBIT NO DISCERNABLE MOVEMENT DURING THE TENSION TEST, e.g., AS EVIDENCED BY LOOSENING OF THE WASHER UNDER NUT.
B). TORQUE WRENCH METHOD:
ANCHORS TESTED WITH A CALIBRATED TORQUE WRENCH MUST ATTAIN THE SPECIFIED TORQUE WITHIN $\frac{1}{2}$ TURN OF THE NUT.
EXCEPTIONS:
1. WEDGDE OR SLEEVE TYPE:
ONE–QUARTER ($\frac{1}{4}$) TURN OF THE NUT FOR A $\frac{3}{8}$ IN. SLEEVE ANCHOR ONLY.
2. THREADED TYPE:
ONE QUARTER ($\frac{1}{4}$) TURN OF THE SCREW AFTER INITIAL SEATING OF THE SCREW HEAD.

TESTING SHOULD OCCUR 24 HOURS MINIMUM AFTER INSTALLATION OF THE EPOXY ANCHOR.

MINIMUM OF 50% OF THE INSTALLED ANCHOR SHALL BE TESTED. (ALTERNATE ANCHORS IN ANY GROUP ARRANGEMENT) IF ANY ANCHOR FAILS TESTING, TEST ALL ANCHORS OF THE SAME TYPE, INSTALLED BY THE SAME TRADE, NOT PREVIOUSLY TESTED UNTIL TWENTY (20) CONSECUTIVE ANCHORS PASS, THEN RESUME THE INITIAL TEST FREQUENCY. TESTS SHALL BE PERFORMED PER CBC 2016, 1910A.5.

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

COLD-FORMED STEEL FRAMING

1. 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 AISI.
2. STRUCTURAL LIGHT GAUGE STUDS, TRACK, BRIDGING, AND ACCESSORIES SHALL COMPLY WITH STEEL STUD MANUFACTURERS ASSOCIATION ICC ES ESR# 3064P (1)
   STRUCTURAL LIGHT GAUGE CH STUDS, J RUNNER TRACK, AND ACCESSORIES SHALL COMPLY WITH DIETRICH METAL FRAMING ICC–ESR# 1166P
3. 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 VALUES.
4. FRAMING SHALL BE ERECTED PLUMB, LEVEL AND SQUARE. BRIDGING AND DIAGONAL TENSION STRAPS SHALL BE USED.
5. TEMPORARY BRACING SHALL BE PROVIDED AS REQUIRED UNTIL ERECTION IS COMPLETE AND SAFELY SECURED TO STRUCTURE.
6. COLD–FORMED STEEL YIELD STRENGTH (fy) IS 33 KSI. IDENTIFICATION OF SSMA PRODUCTS

MEMBER DEPTH:
3.62" = 362x1/100 INCHES
ALL MEMBER DEPTHS ARE TAKEN IN 1/100 INCHES
FOR ALL "T" SECTIONS MEMBER DEPTH IS THE INSIDE TO INSIDE DIMENTION

FLANGE WIDTH:
2" = 200x1/100 INCHES
ALL FLANGE WIDTH ARE TAKEN IN 1/100 INCHES

362 S 162 – 54

STYLE:
S = STUD OR JOIST SECTIONS
T = TRACK SECTIONS

MATERIAL THICKNESS:
0.054" = 54 MILS (16 GA.)
MATERIAL THICKNESS IS THE MIN. BASE METAL THICKNESS REPRESENTS 95% OF THE DESIGN THICKNESS

EXAMPLE

COLD-FORMED STEEL STUDS 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.

(4)

STRUCTURAL STEEL:

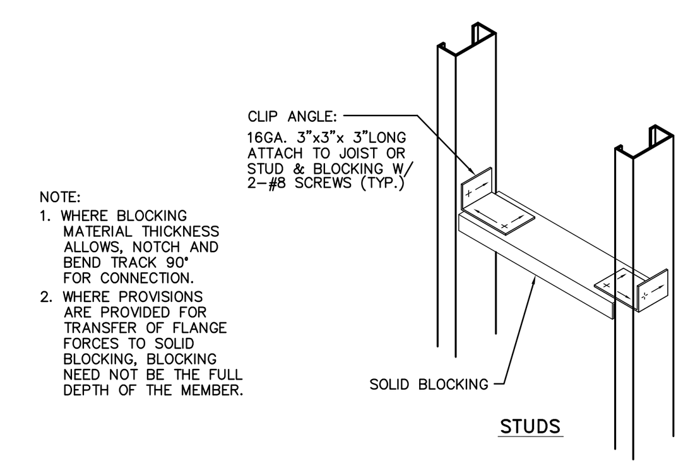
STRUCTURAL STEEL SHALL COMPLY WITH THE FOLLOWING U.N.O.:
STEEL CHANNELS AND ANGLES ASTM A36
STRUCTURAL TUBES A500, GRADE B
STEEL PLATE ASTM A36
STEEL BOLT ASTM A307

ALL STEEL MEMBERS TO BE PRIME PAINTED.

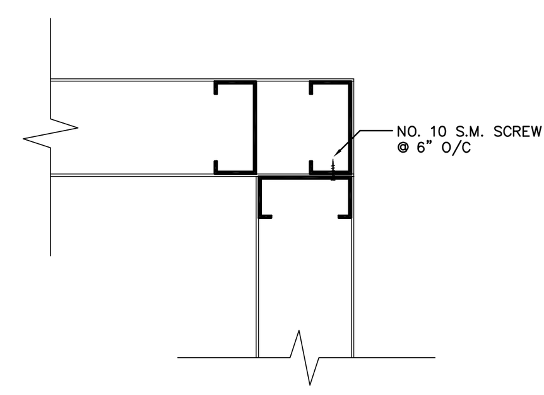
SEISMIC LOAD

SITE LOCATION:
LONGITUDE: 117.29178° WEST, LATITUDE: 33.18425° NORTH
DESIGN SPECTRAL RESPONSE ACCLERATION:
S_{DS}= 0.760, S_{D1}= 0.435

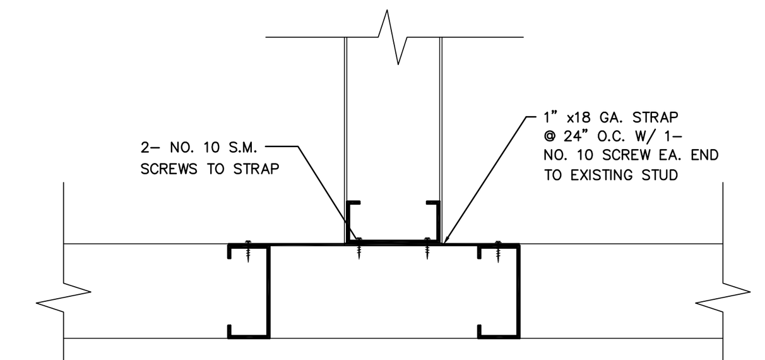
SEISMIC IMPORTANCE FACTOR, Ip = 1.5
SEISMIC FORCE COEFFICIENTS:
a_p = 1.0, R_p = 2.5
SEISMIC DESIGN CATEGORY "D"



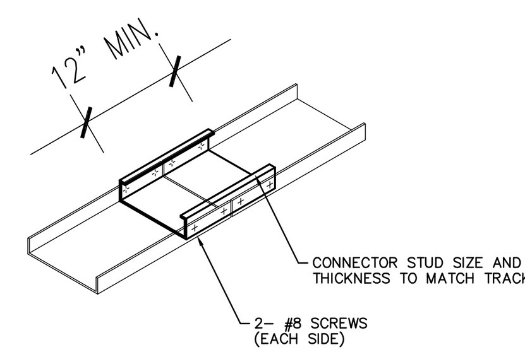
1 BLOCKING AT PARTITION
SCALE: NTS



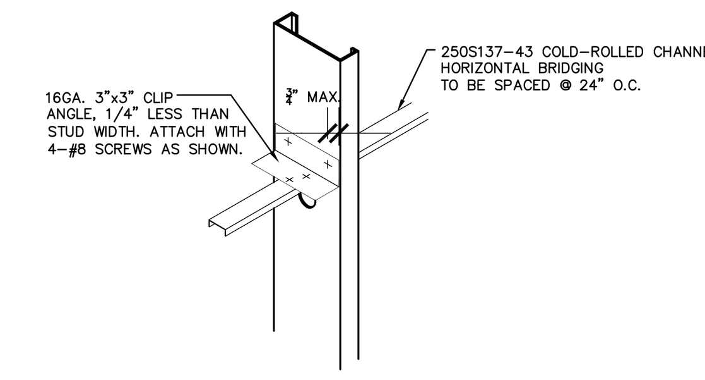
2 CORNER FRAMING
SCALE: NTS



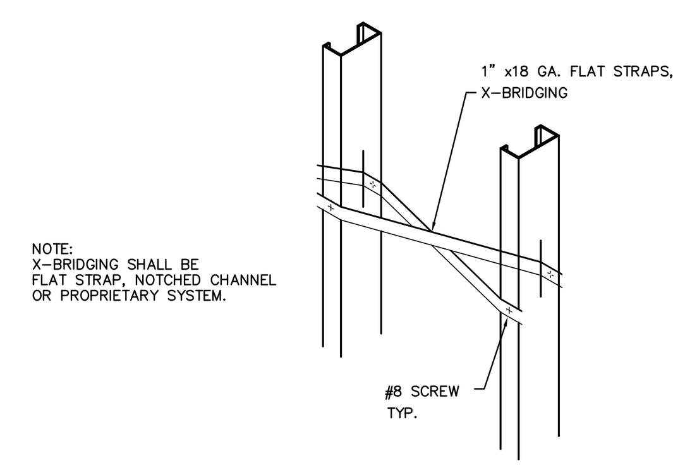
3 NEW WALL TO EXISTING WALL INTERSECTION FRAMING
SCALE: NTS



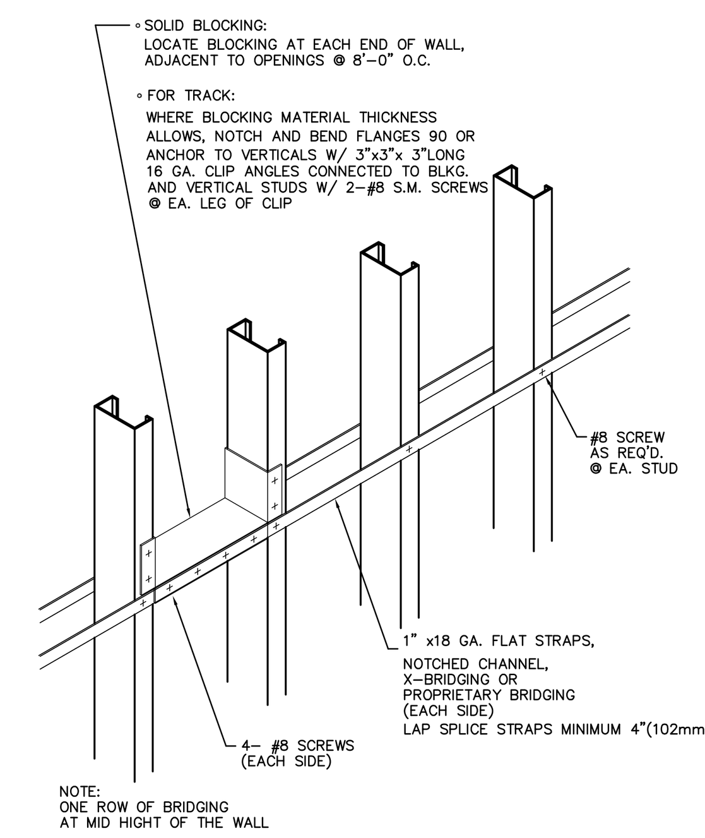
4 TOP & BOTTOM TRACK SPLICE
SCALE: NTS



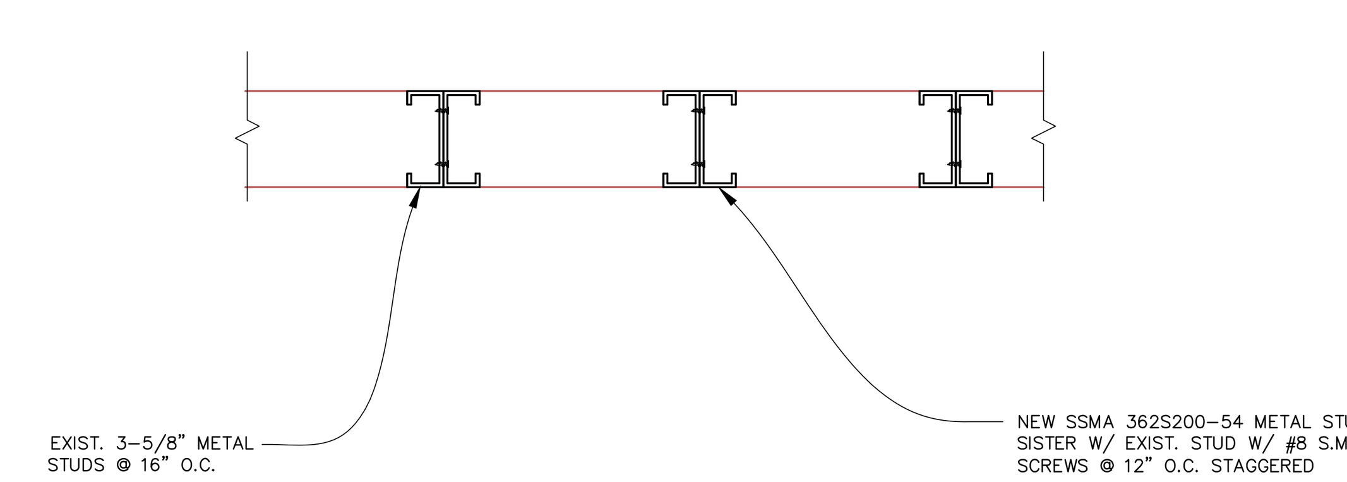
6 WALL BRIDGING ALTERNATE
SCALE: NTS



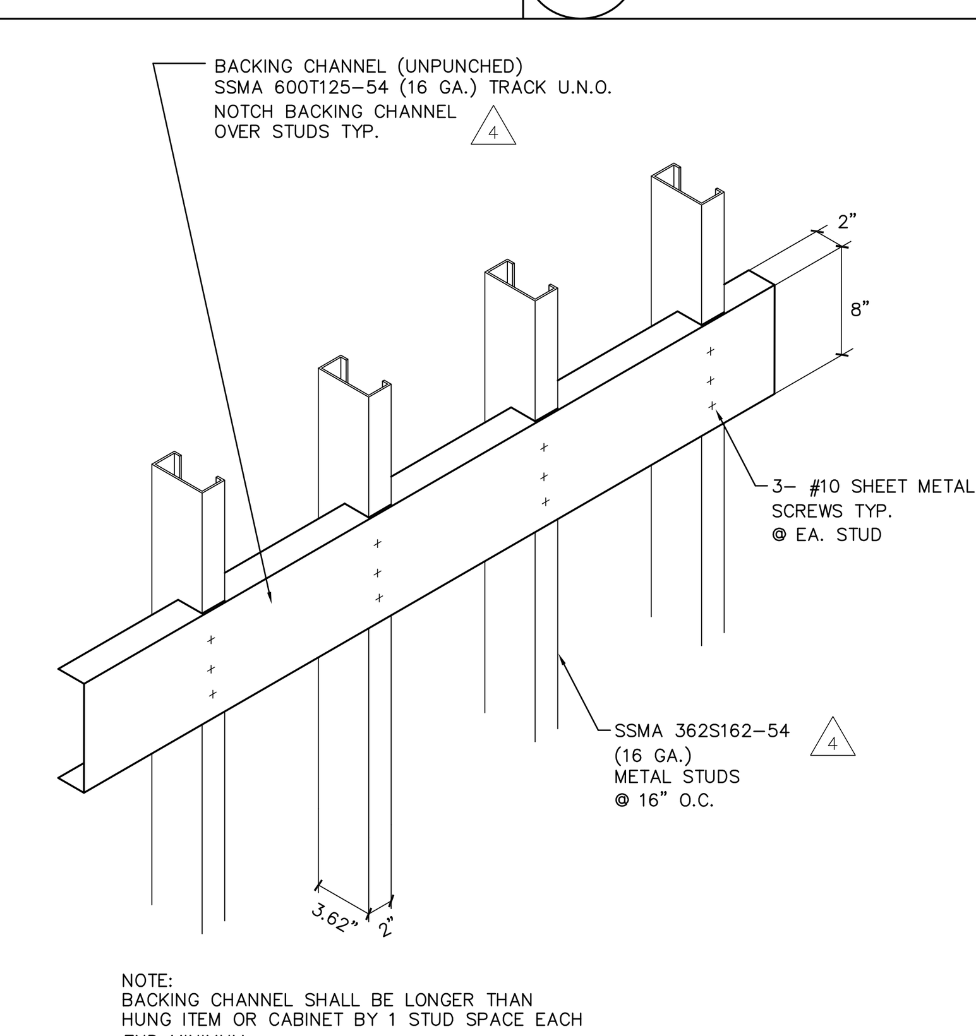
7 X-BRIDGING
SCALE: NTS



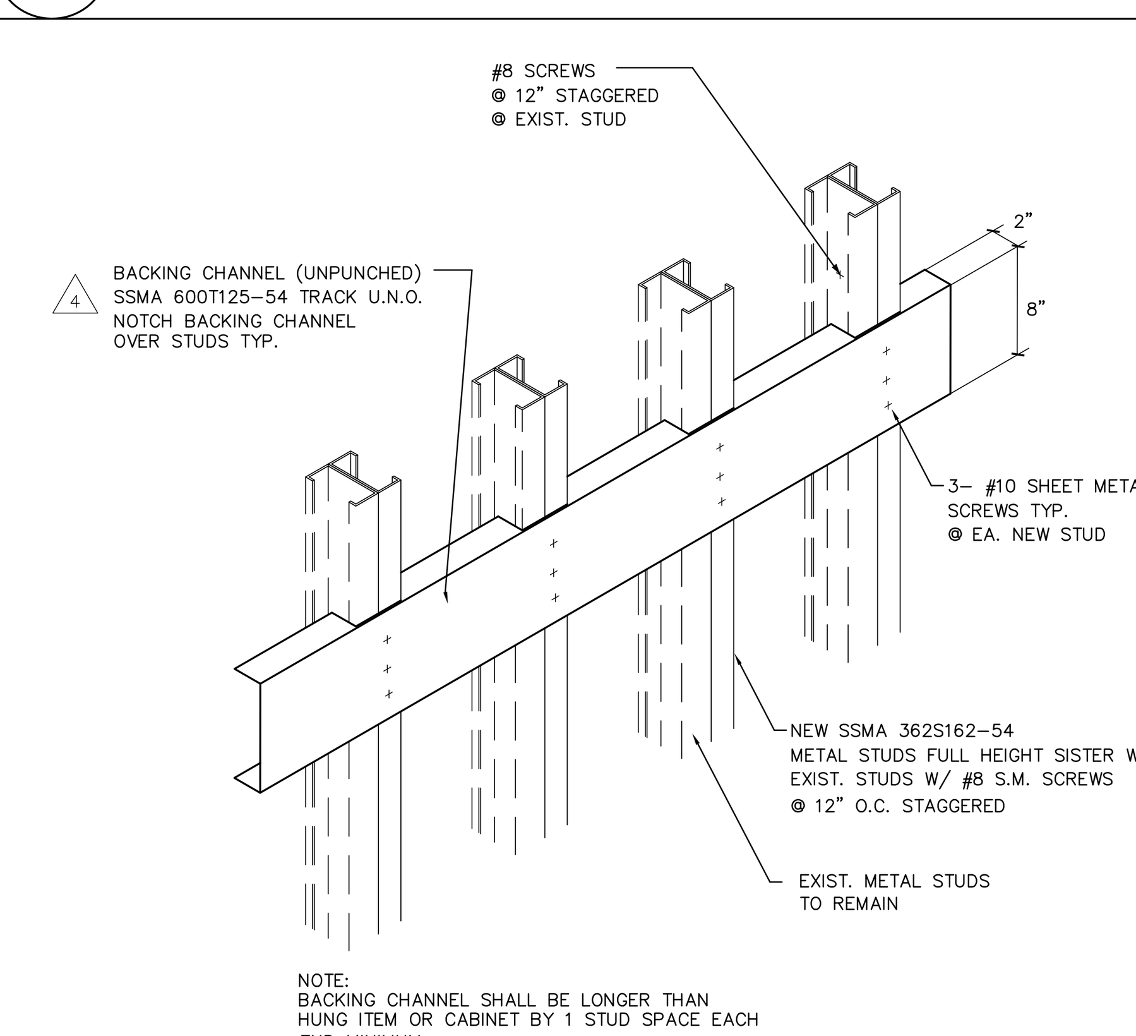
8 WALL BRIDGING
SCALE: NTS



9 TYPICAL SISTER STUDS CONNECTION PLAN VIEW
SCALE: NTS



A @ NEW STEEL STUDS WALL



B @ EXISTING STEEL STUDS WALL

10 TYPICAL BACKING FOR CABINETS AND EQUIPMENT

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

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

OWNER: 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

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:	DATE:
1	OSHPD COMMENTS	10–09–17
2	DESIGN CHANGES	10–09–17
3	OSHPD COMMENTS	12–11–17
4	DESIGN CHANGES	12–11–17
5	OSHPD COMMENTS	5–15–18
6	OSHPD COMMENTS	6–05–18

CONSULTANT

OSHPD APPROVAL STAMP:
OSHPD #: S171641–37–00

SHEET TITLE:
GENERAL NOTES
TYPICAL DETAILS

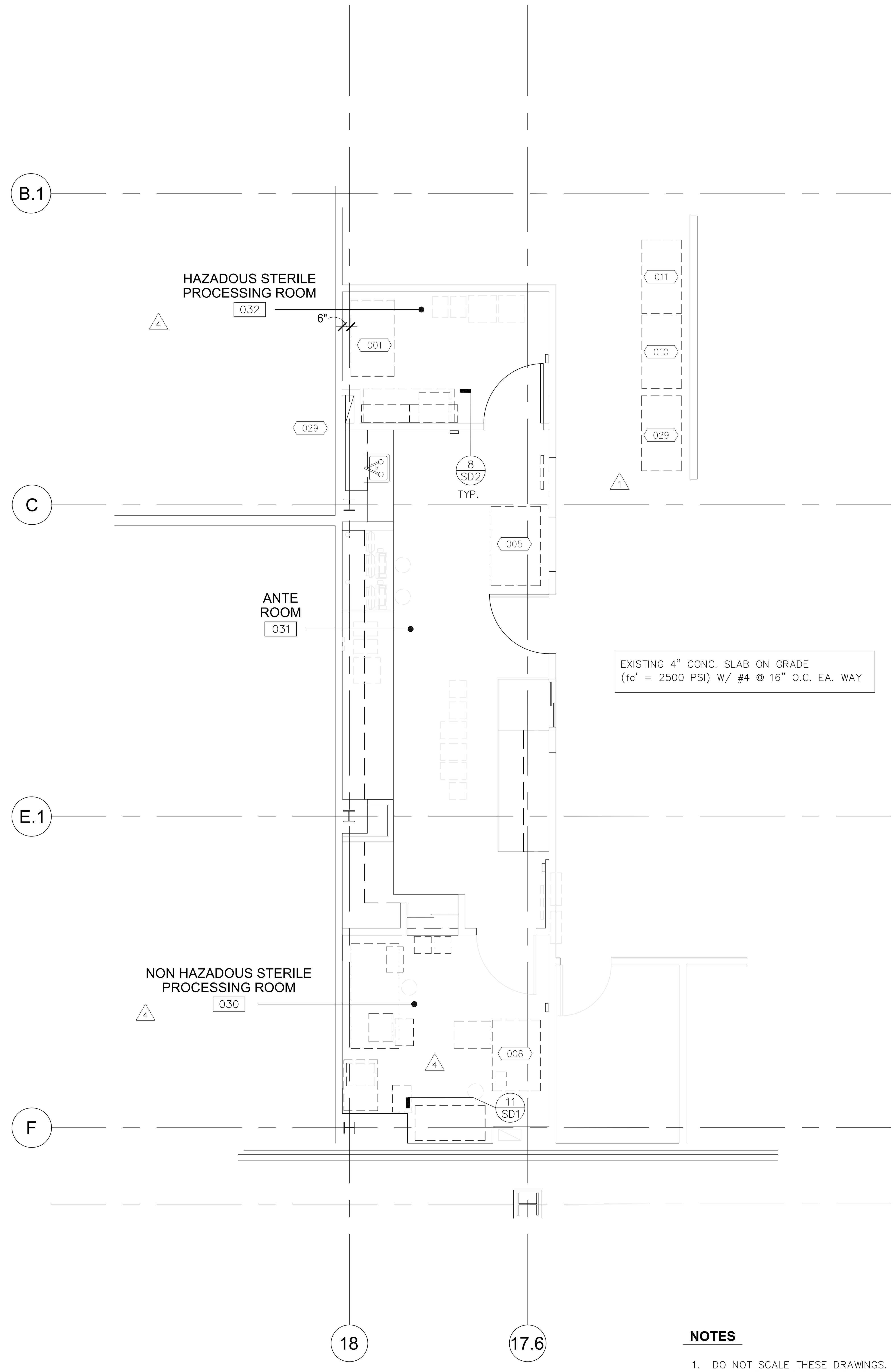
PROJECT TITLE:
TCMC USP 800

PROJECT #: 01667.00
SHEET NUMBER:
DRAWN BY:
CHECKED BY:
SCALE:
DATE: 07/31/17

S-I

of

100% CONSTRUCTION DOCUMENT

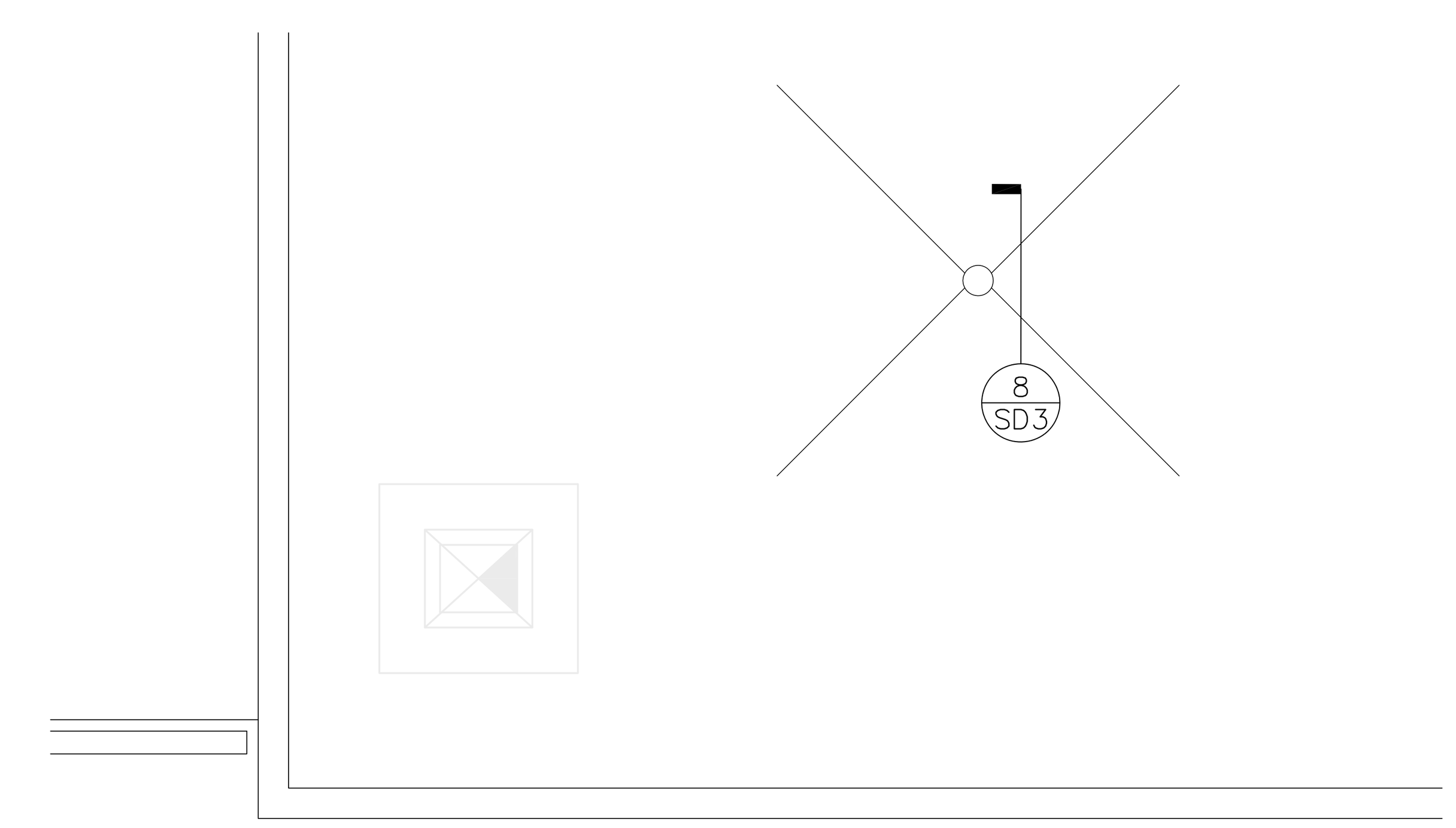


PARTIAL FLOOR PLAN

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

EQUIPMENT SCHEDULE

EQUIP #	DESCRIPTION	WEIGHT(APPROX.)	DETAIL
001	BSC WORKSTATION	800 LBS	
005	PHARMACY REFRIGERATOR	1470 LBS	
008	LAMINAR FLOW WORK BENCH	440 LBS	
009	LAMINAR FLOW WORK STATION	680 LBS	
010	PYXIS SUPPLY-AUXILLARY	1000 LBS	
011	PYXIS SUPPLY-MAIN	1000 LBS	
	STAINLESS STEEL CABINET	1000 LBS	
029	REFRIGERATOR	1654 LBS	



PARTIAL PENTHOUSE ROOF PLAN

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

NOTES

1. DO NOT SCALE THESE DRAWINGS. PRIOR TO START OF CONSTRUCTION, ALL DIMENSIONS AND ELEVATIONS MUST BE VERIFIED WITH THE APPRD. SET OF ARCHITECHURAL DRAWINGS. IN CASE OF DISCREPENCIES, STRUCTURAL ENGINEER OF RECORD MUST BE NOTIFIED IN WRITING.
2. ALL EXISTING MEMBER SIZES, SPACING, & DIMENSIONS MUST BE FIELD VERIFIED. IN CASE OF DISCREPANCIES STRUCTURAL ENGINEER MUST BE NOTIFIED IN WRITING.
3. THE EXISTING FLOOR FRAMING PLAN IS BASED ON THE STATE DEPT. OF HEALTH FACH CONSTR. SECT. APPROVED STRUCTURAL DRAWING, APPROVAL# H0161

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

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

OWNER: 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

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

LICENSED ARCHITECT JOSEPH MICHEL SFEIR No. C28543 REN. 1-31-19 STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER CHENGHUA SUN S 4609 EXP. 6/30/2019 STRUCTURAL STATE OF CALIFORNIA

REV:	DESCRIPTION:	DATE:
1	OSHPD COMMENTS	10-09-17
2	DESIGN CHANGES	10-09-17
3	OSHPD COMMENTS	12-11-17
4	DESIGN CHANGES	12-11-17
5	OSHPD COMMENTS	5-15-18
6	OSHPD COMMENTS	6-05-18

CONSULTANT

OSHPD APPROVAL STAMP:
OSHPD #: S171641-37-00

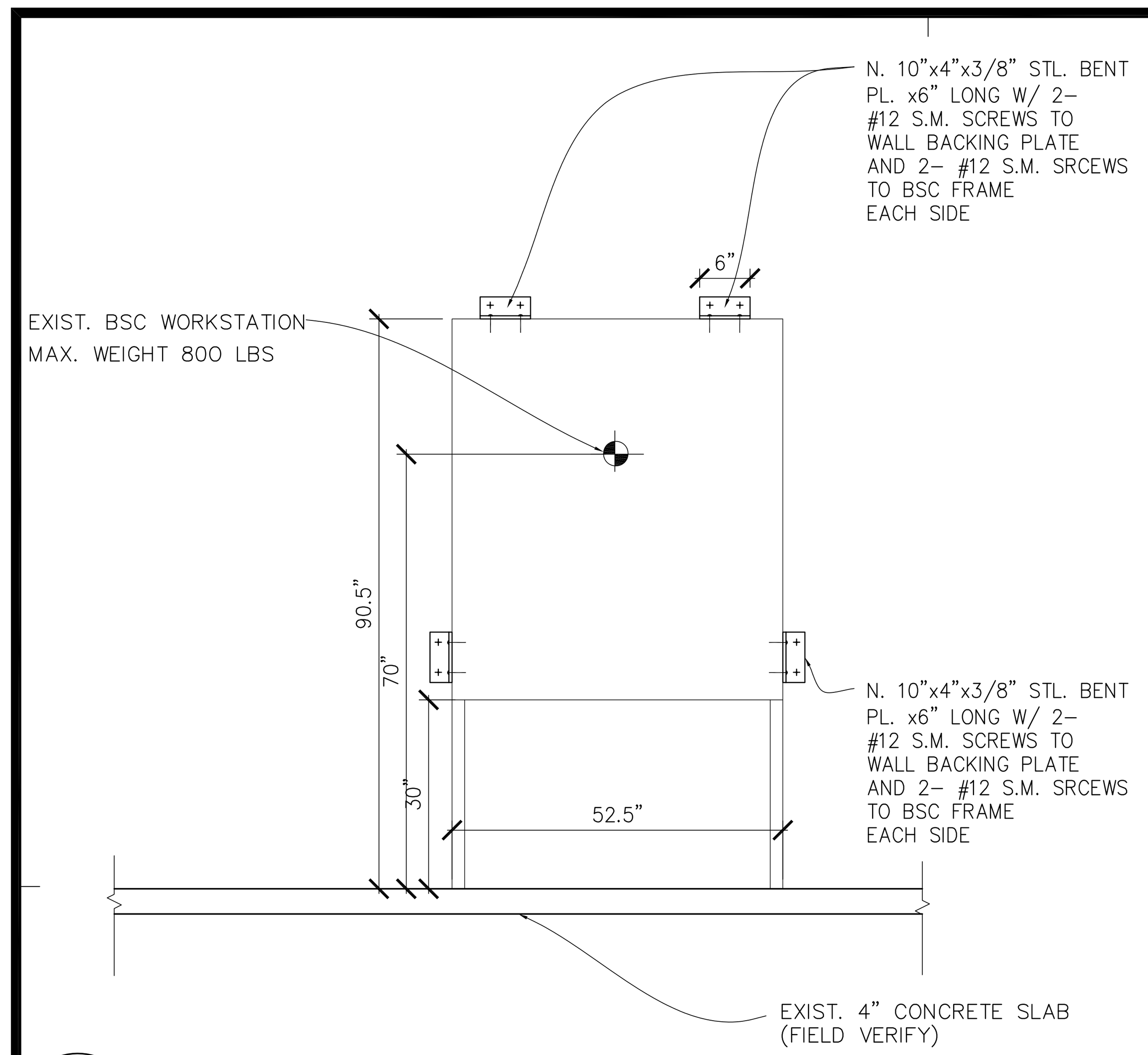
SHEET TITLE:
PARTIAL FLOOR PLAN
PARTIAL PENTHOUSE ROOF PLAN

PROJECT TITLE:
TCMC USP 800

PROJECT #: 01667.00
DRAWN BY:
CHECKED BY:
SCALE:
DATE: 07/31/17

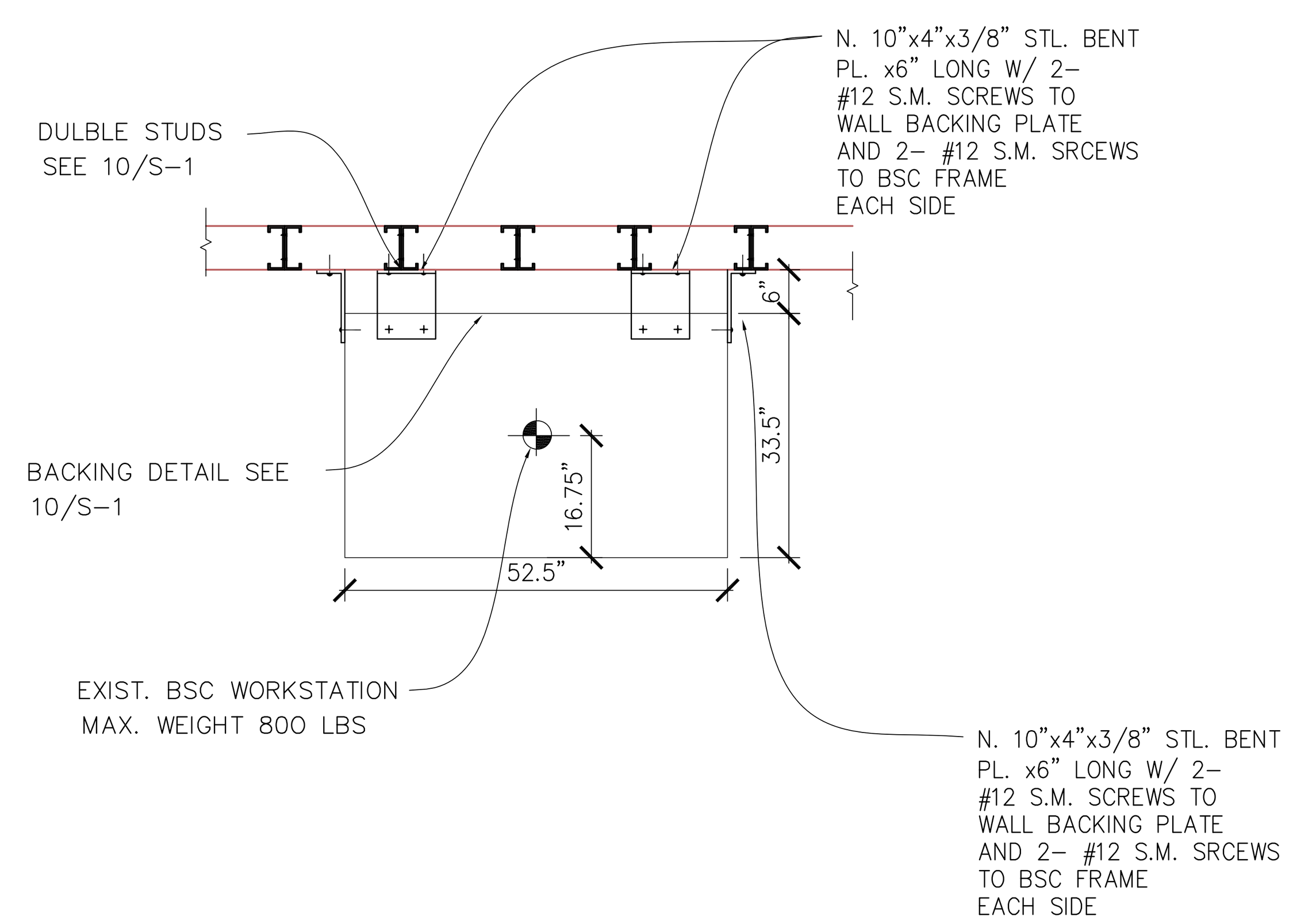
SHEET NUMBER:
S-2
of

100% CONSTRUCTION DOCUMENT



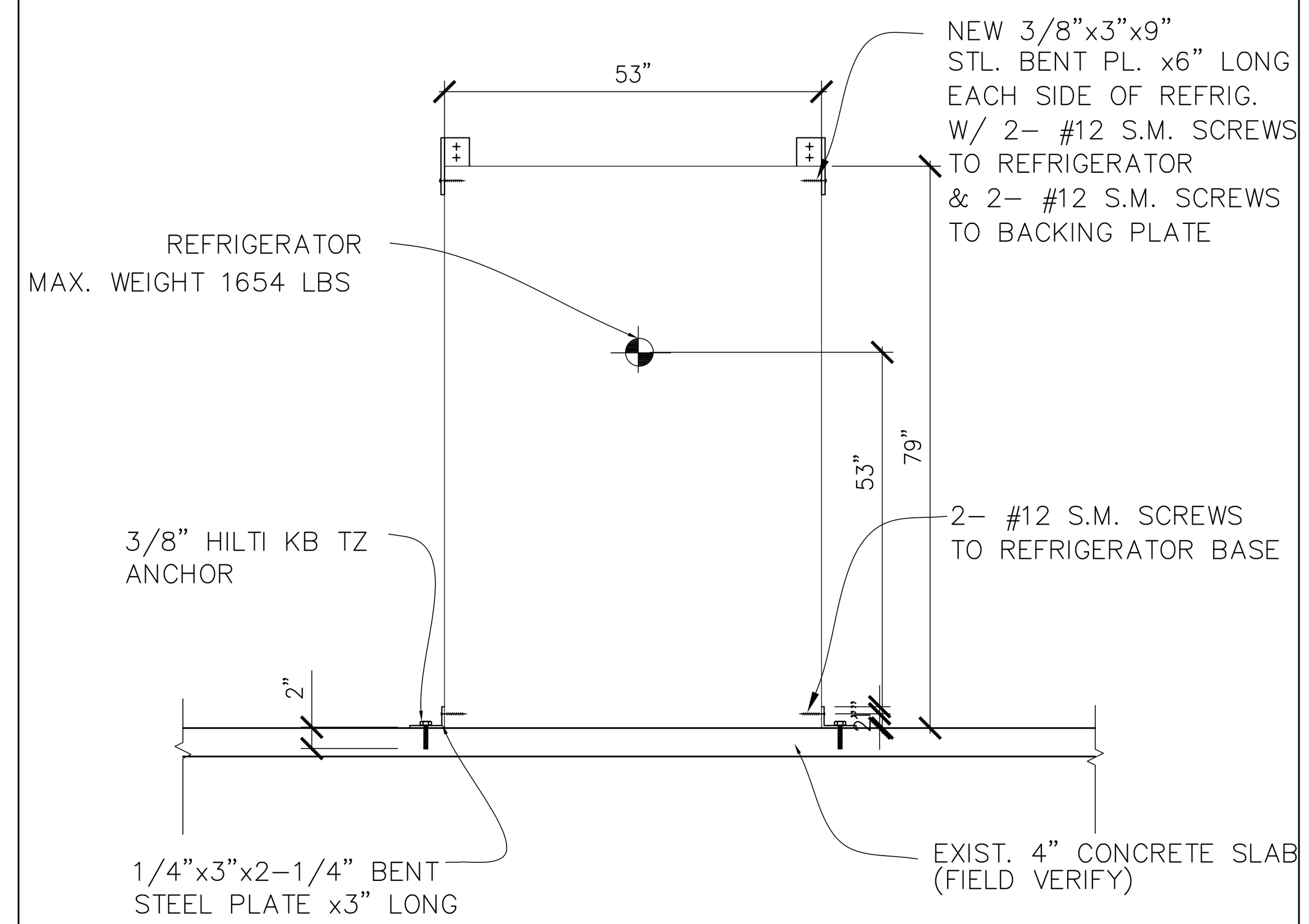
1 BSC WORKSTATION FRONT VIEW

SCALE: 1/2"=1'-0" 001



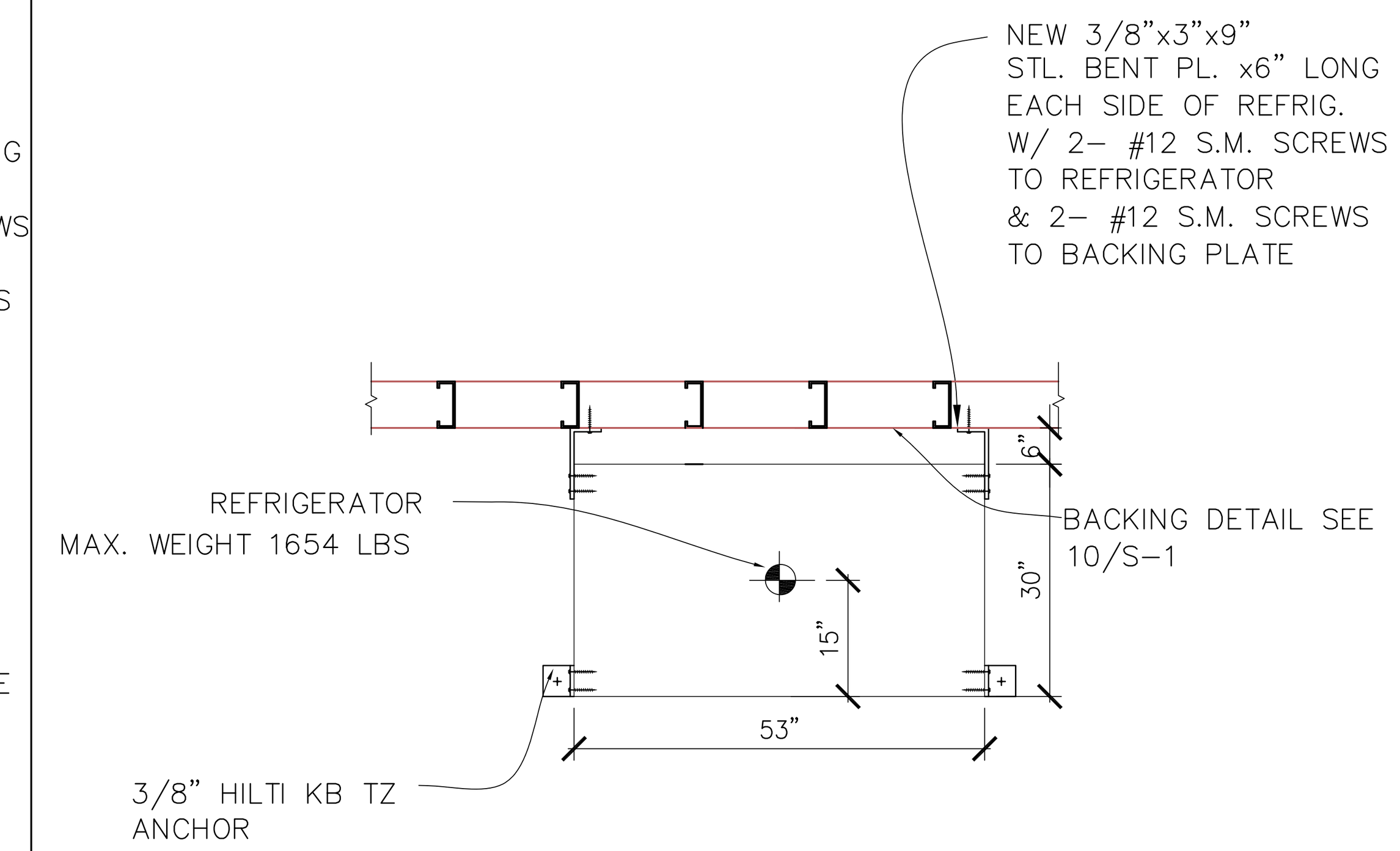
2 BSC WORKSTATION PLAN VIEW

SCALE: 1/2"=1'-0" 001



3 REFRIGERATOR ANCHORAGE

SCALE: 1/2"=1'-0" 029

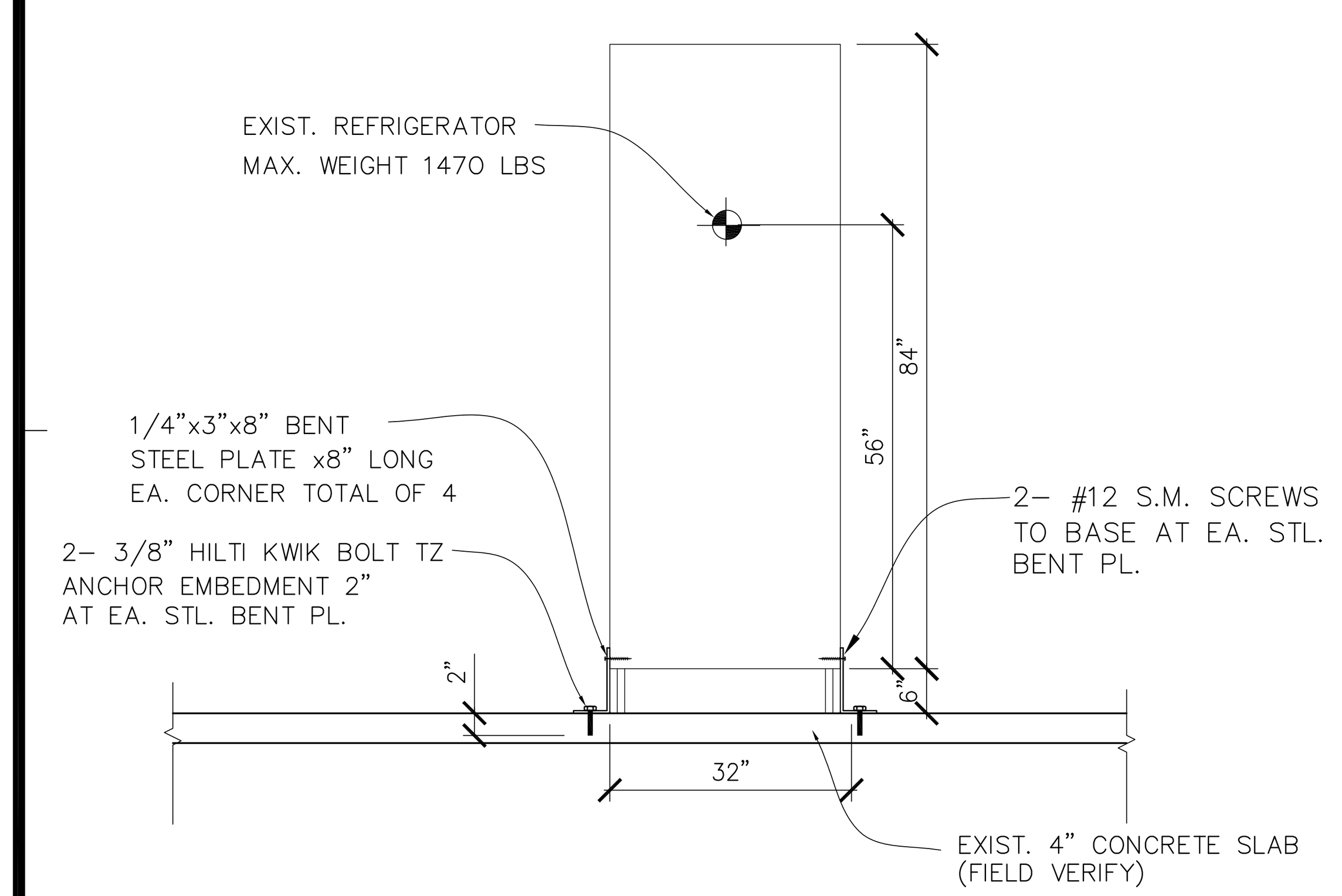


4 REFRIGERATOR ANCHORAGE

SCALE: 1/2"=1'-0" 029

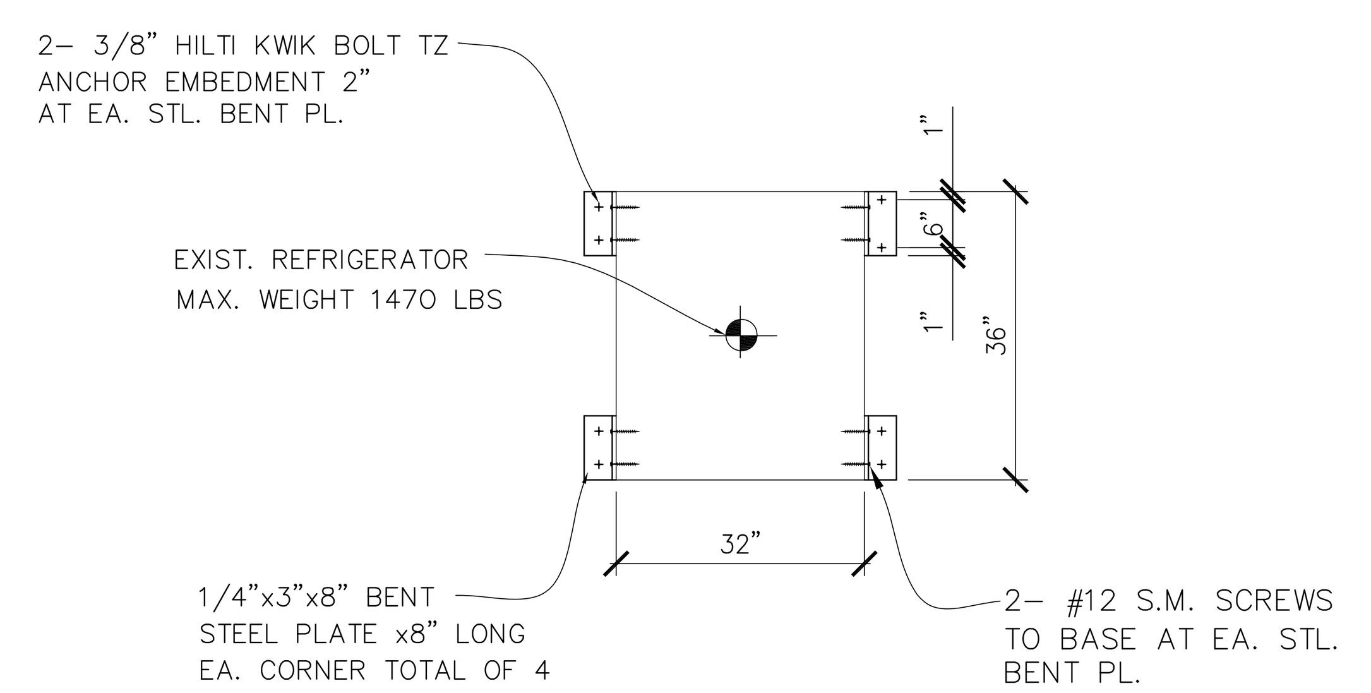
1

1



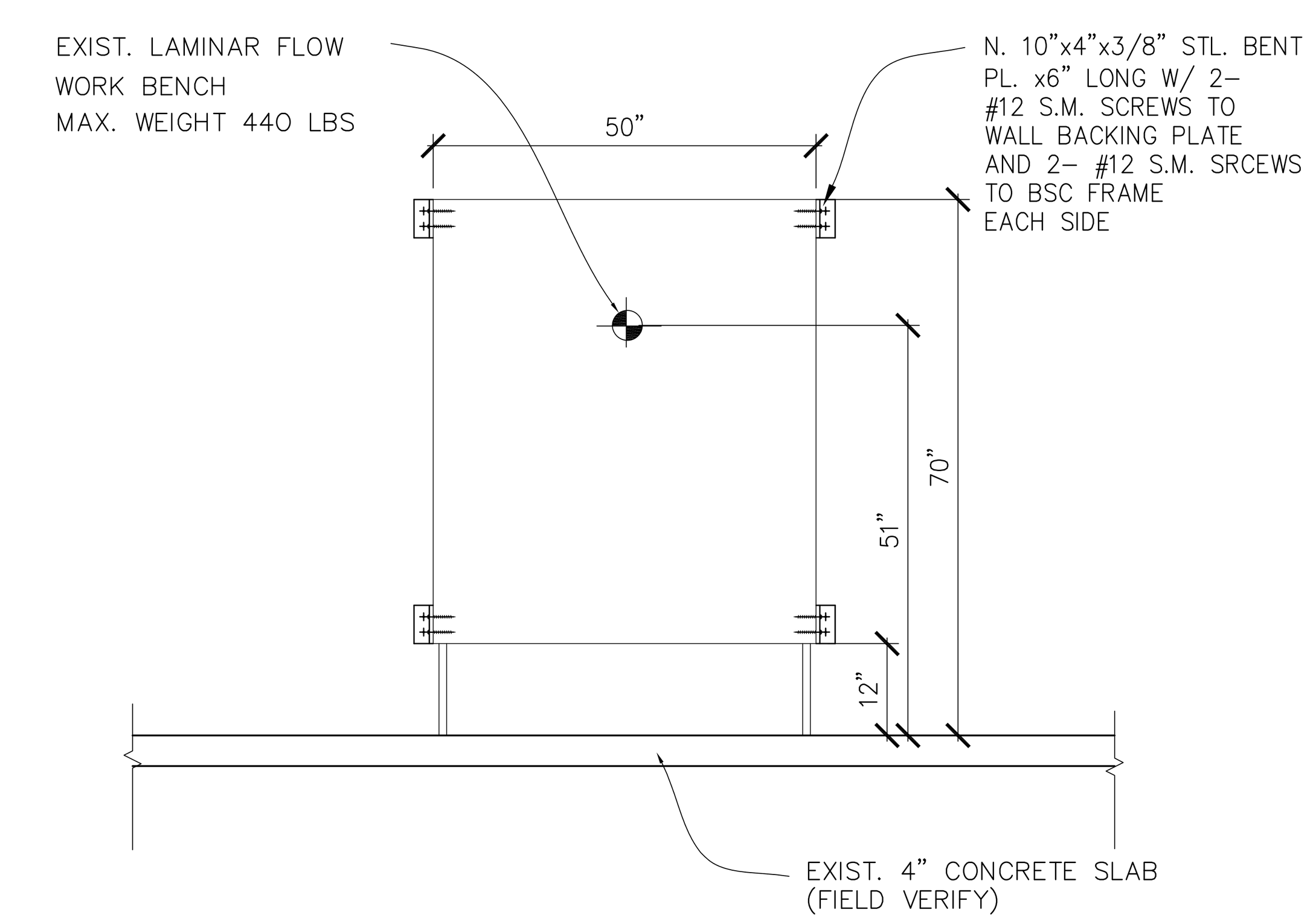
5 REFRIGERATOR FRONT VIEW

SCALE: 1/2"=1'-0" 005



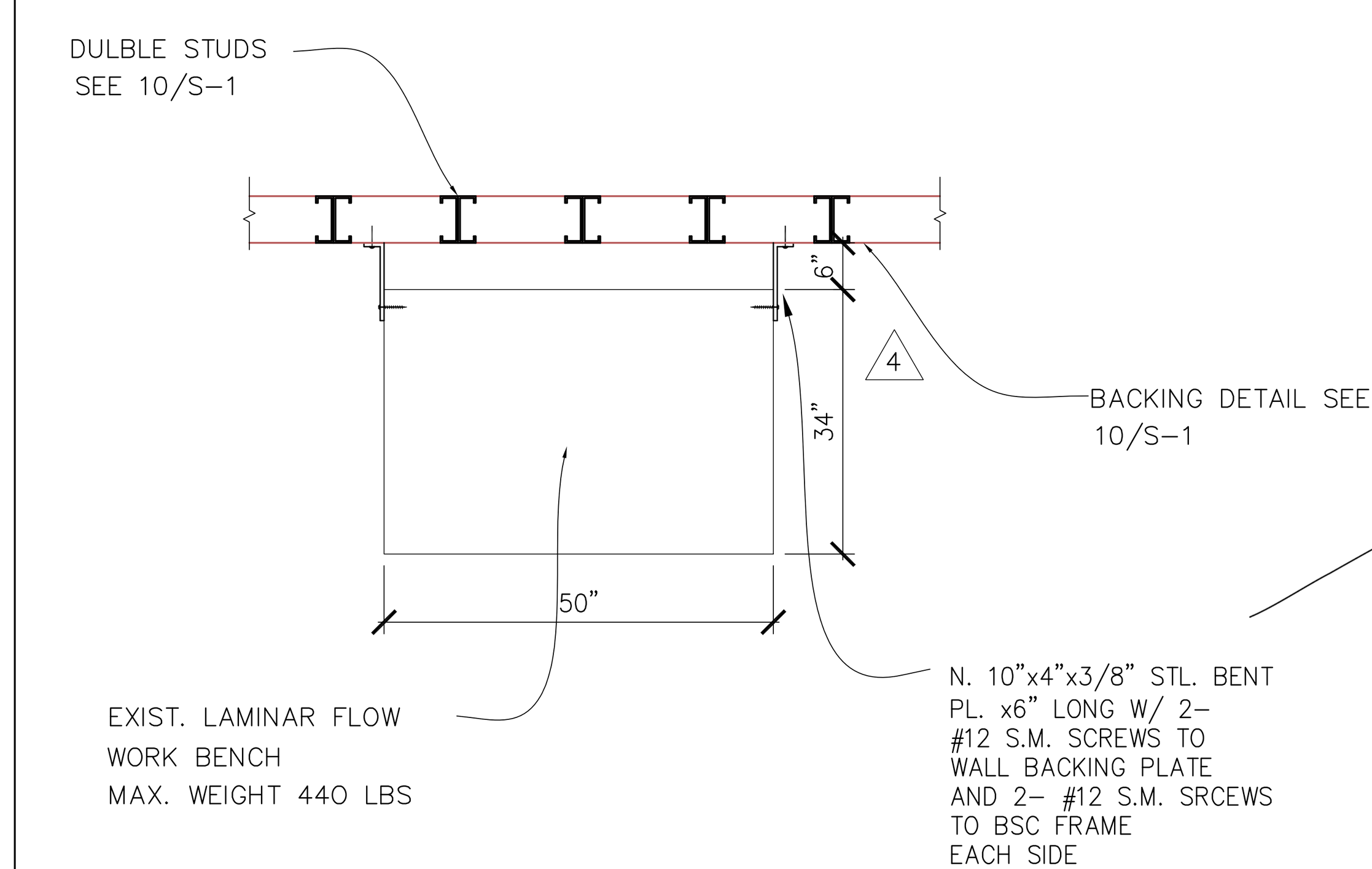
6 REFRIGERATOR PLAN VIEW

SCALE: 1/2"=1'-0" 005



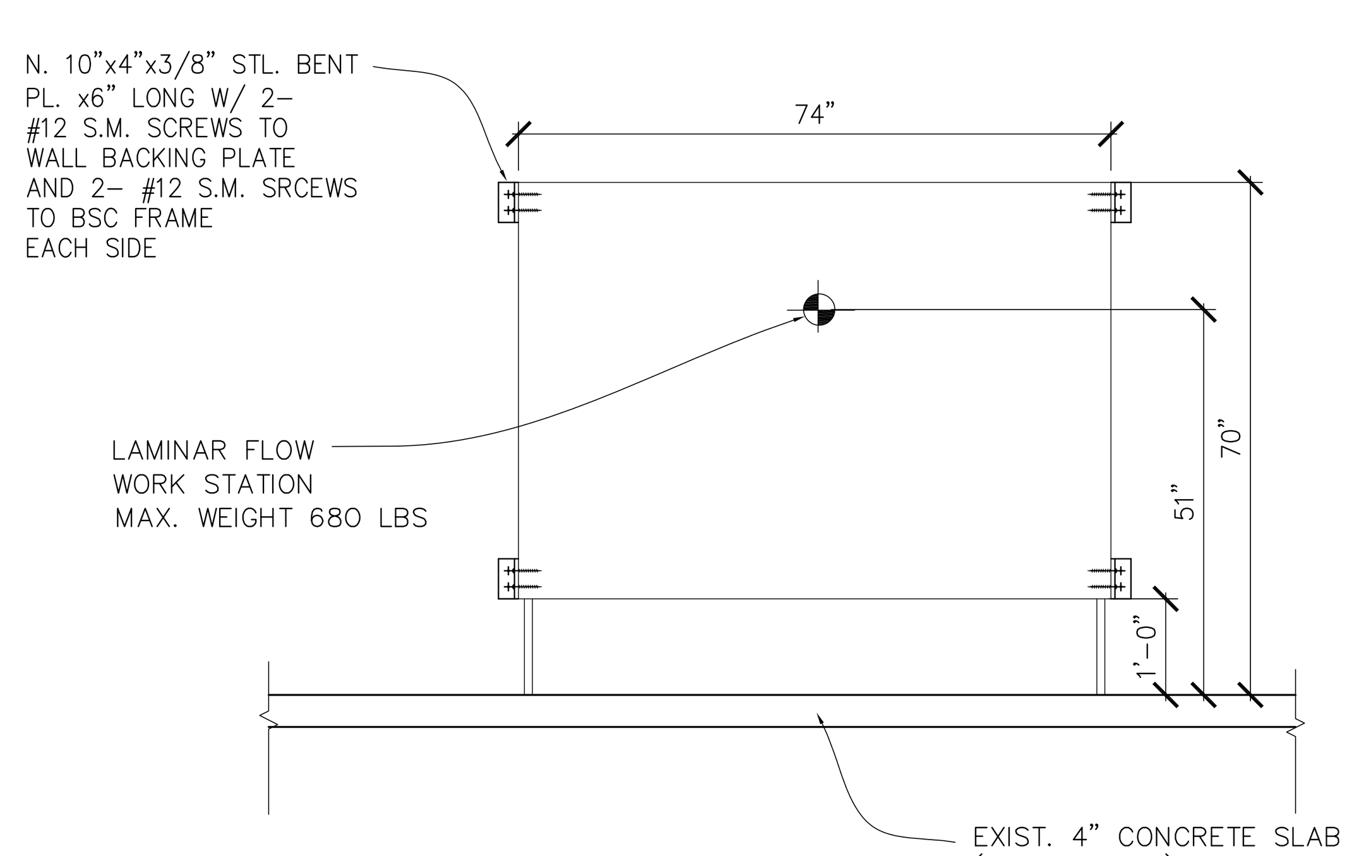
7 LAMINAR FLOW FRONT VIEW

SCALE: 1/2"=1'-0" 008



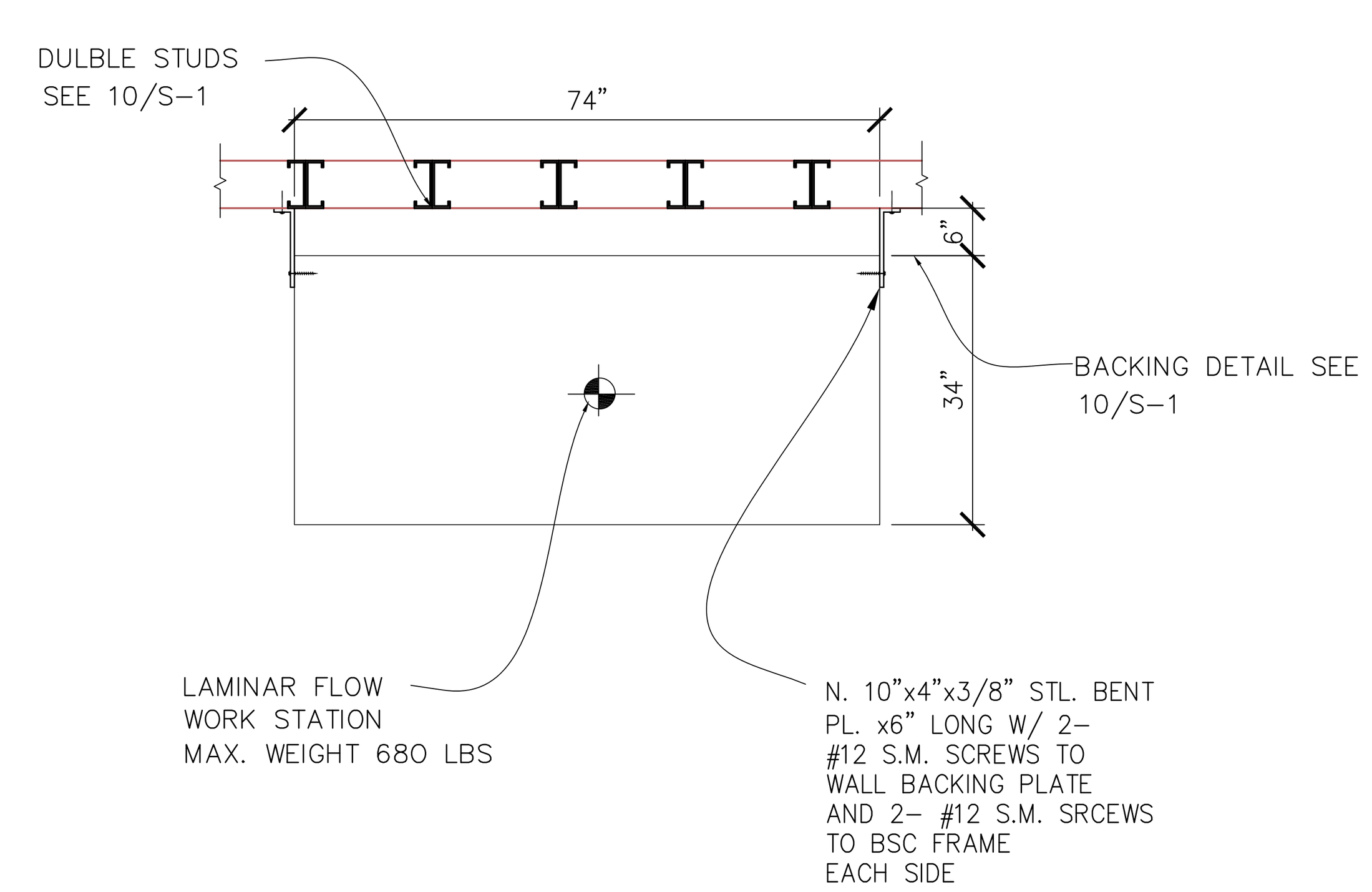
8 LAMINAR FLOW PLAN VIEW

SCALE: 1/2"=1'-0" 008



9 LAMINAR FLOW FRONT VIEW

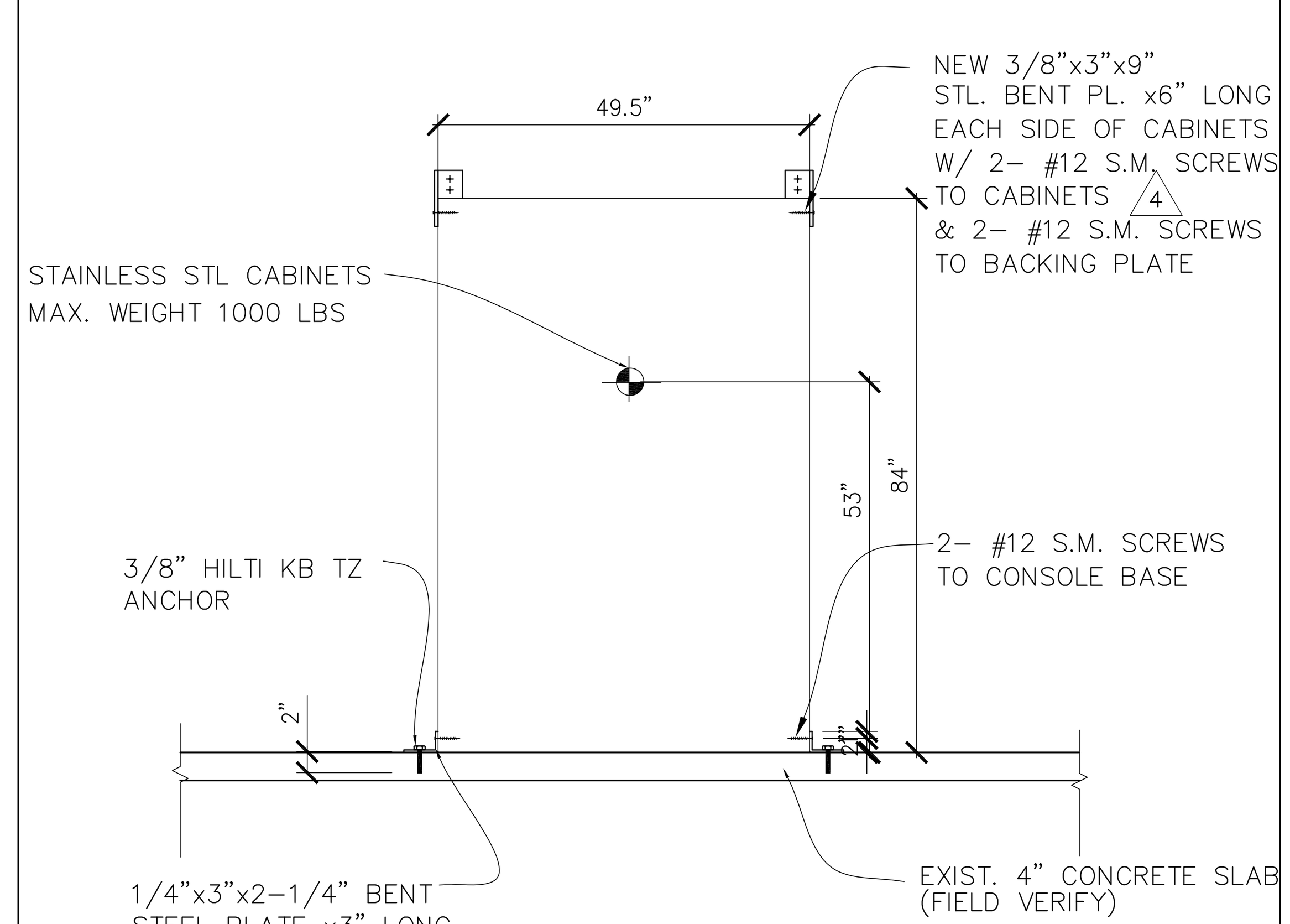
SCALE: 1/2"=1'-0" 009



10 LAMINAR FLOW PLAN VIEW

SCALE: 1/2"=1'-0" 009

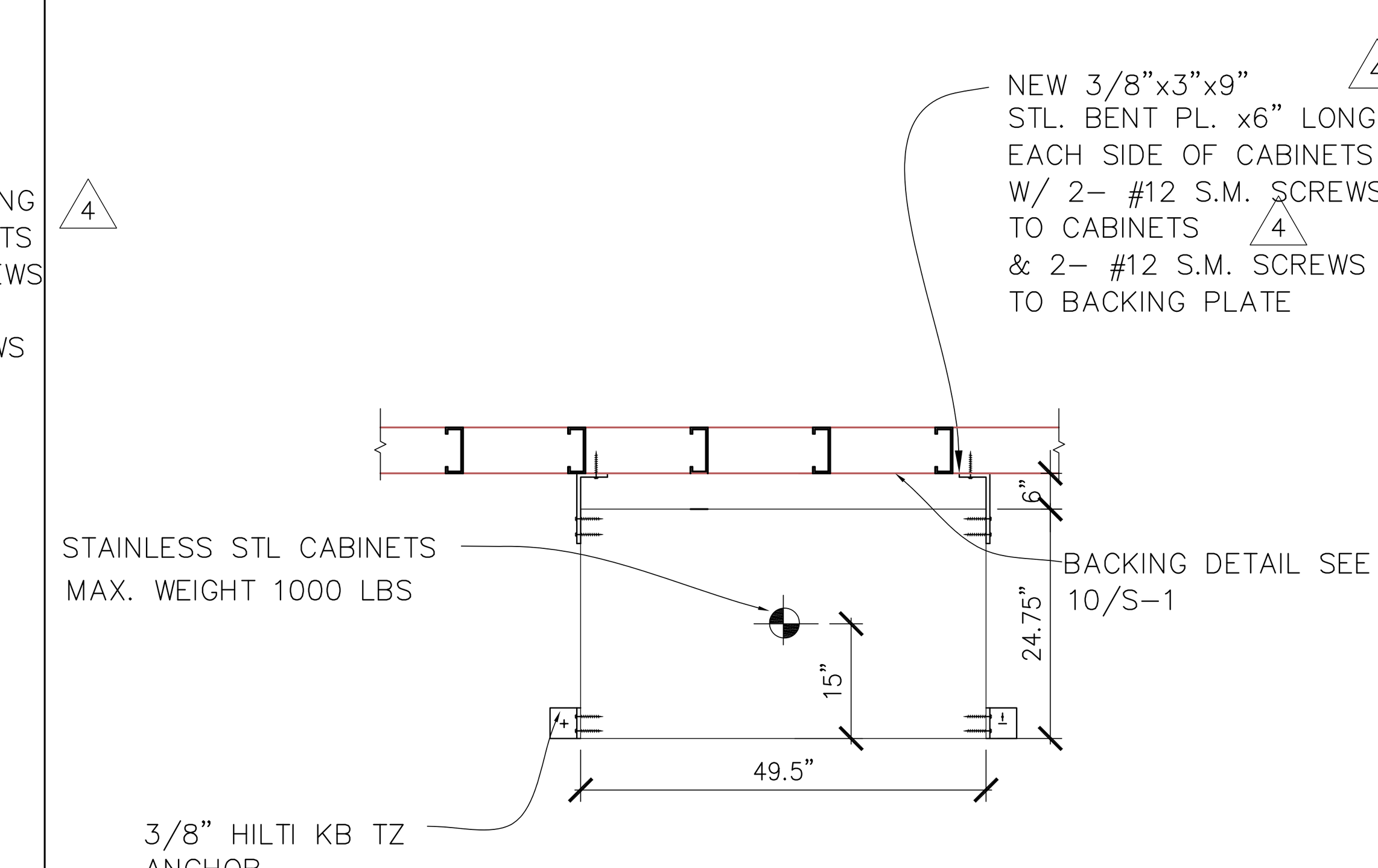
4



11 STAINLESS STEEL CABINETS

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

4



12 STAINLESS STEEL CABINETS PLAN VIEW

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

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

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

OWNER: 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

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

LICENSED ARCHITECT JOSEPH MICHEL SFEIR No. C28543 REN. 1-31-19 STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER GHUA SUN EXP. 6/30/2019 STRUCTURAL STATE OF CALIFORNIA

REV.	DESCRIPTION:	DATE:
1	OSHPD COMMENTS	10-09-17
2	DESIGN CHANGES	10-09-17
3	OSHPD COMMENTS	12-11-17
4	DESIGN CHANGES	12-11-17
5	OSHPD COMMENTS	5-15-18
6	OSHPD COMMENTS	6-05-18

CONSULTANT

OSHPD APPROVAL STAMP:
OSHPD #: S171641-37-00

SHEET TITLE:

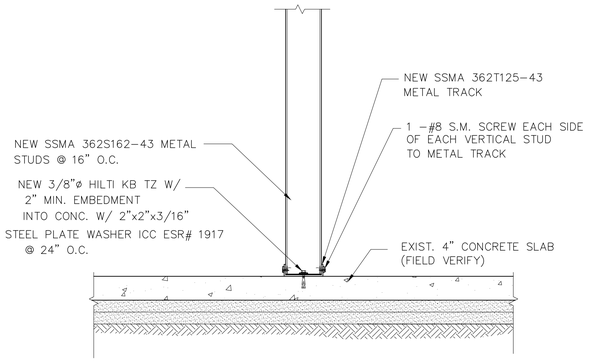
DETAILS

PROJECT TITLE:
TCMC USP 800

PROJECT #: 01667.00
DRAWN BY:
CHECKED BY:
SCALE:
DATE: 07/31/17

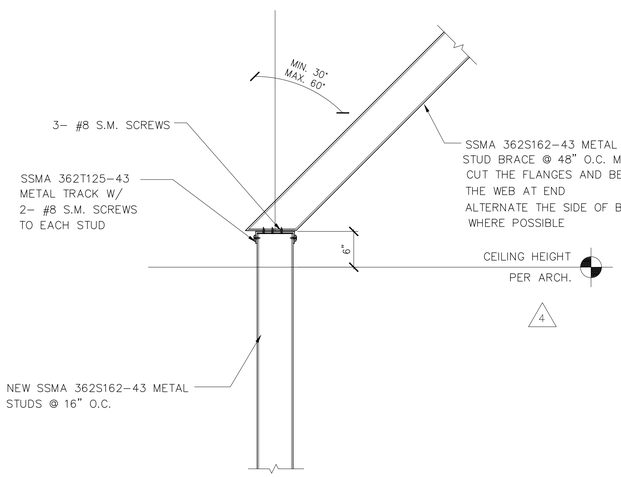
SHEET NUMBER:
SDI
of

100% CONSTRUCTION DOCUMENT



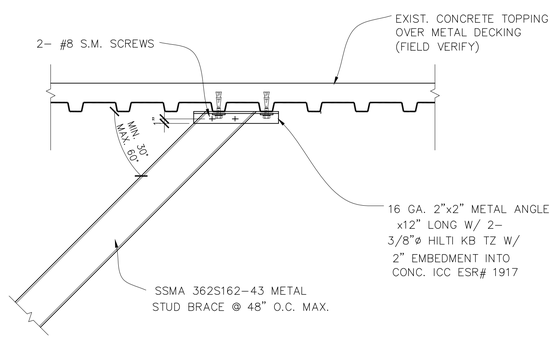
1 TYPICAL PARTITION TO FLOOR CONNECTION

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



4 TYPICAL BRACING AT TOP OF PARTITION

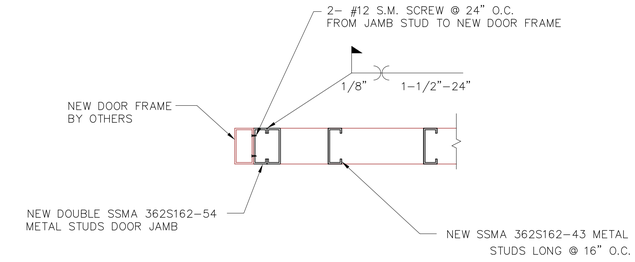
SCALE: 1-1/2"=1'-0"



NOTES MAXIMUM BRACE LENGTH TO BE 8'-0"

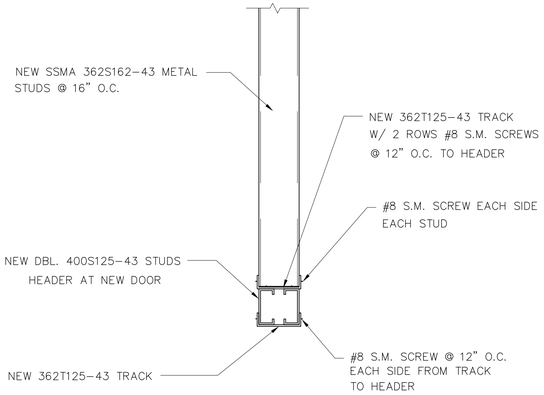
7 TYPICAL BRACING TO FLOOR ABOVE CONNECTION

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



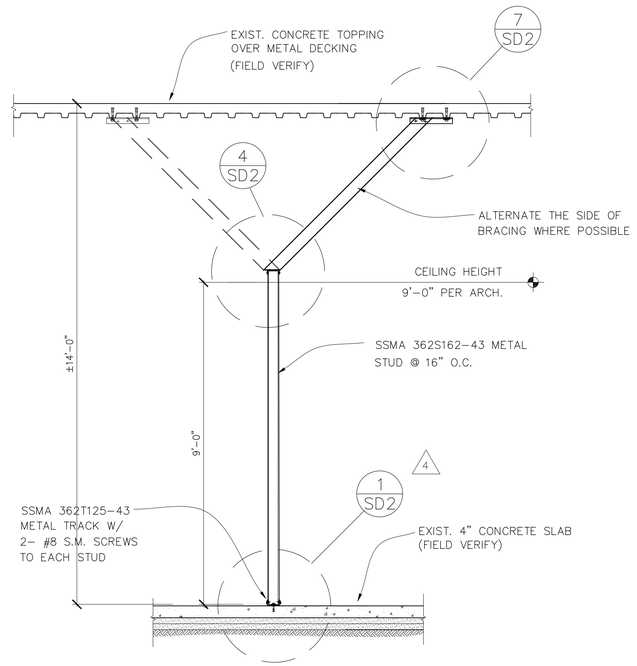
2 DOOR JAMB CONNECTION AT NEW DOOR PLAN VIEW

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



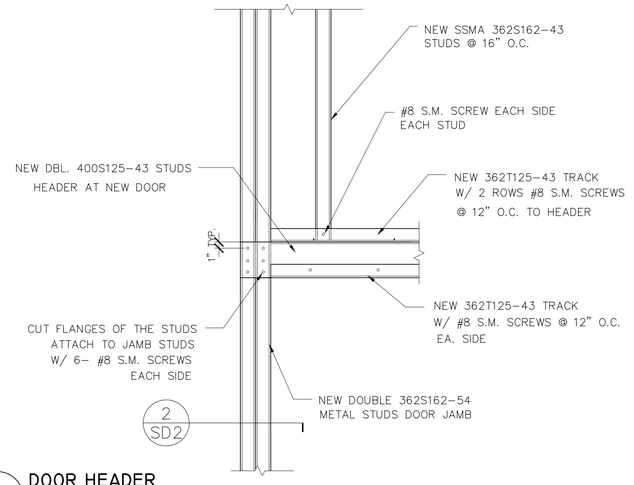
5 DOOR HEADER AT NEW DOOR

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



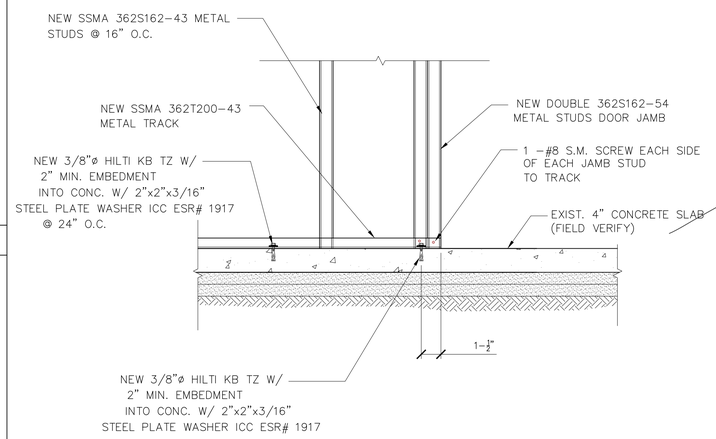
8 TYPICAL NEW PARTITION

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



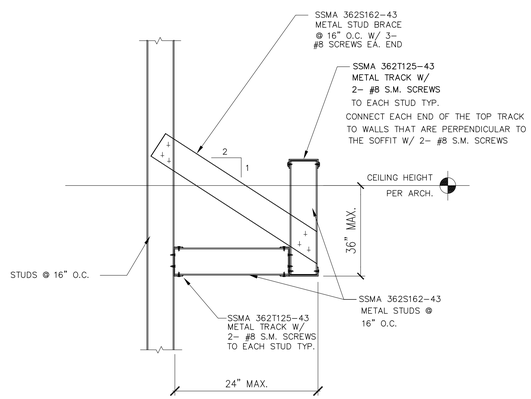
3 DOOR HEADER

SCALE: 1"=1'-0"



6 DOOR JAMB CONNECTION

SCALE: 1"=1'-0"



9 SOFFIT DETAIL

SCALE: 1"=1'-0"

SFEIR 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

OWNER: 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

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

LICENSED ARCHITECT JOSEPH MICHAEL SFEIR No. C28543 REN. 1-31-19 STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER JOSHUA SUN No. 3680 EXP. 6/30/2019 STRUCTURAL STATE OF CALIFORNIA

1	1	OSHPD COMMENTS	10-09-17
2	2	DESIGN CHANGES	10-09-17
3	3	OSHPD COMMENTS	12-11-17
4	4	DESIGN CHANGES	12-11-17
5	5	OSHPD COMMENTS	5-15-18
6	6	OSHPD COMMENTS	6-05-18

REV: DESCRIPTION: DATE:

CONSULTANT

OSHPD APPROVAL STAMP:

OSHPD #: S171641-37-00

SHEET TITLE:

DETAILS

PROJECT TITLE:
TCMC USP 800

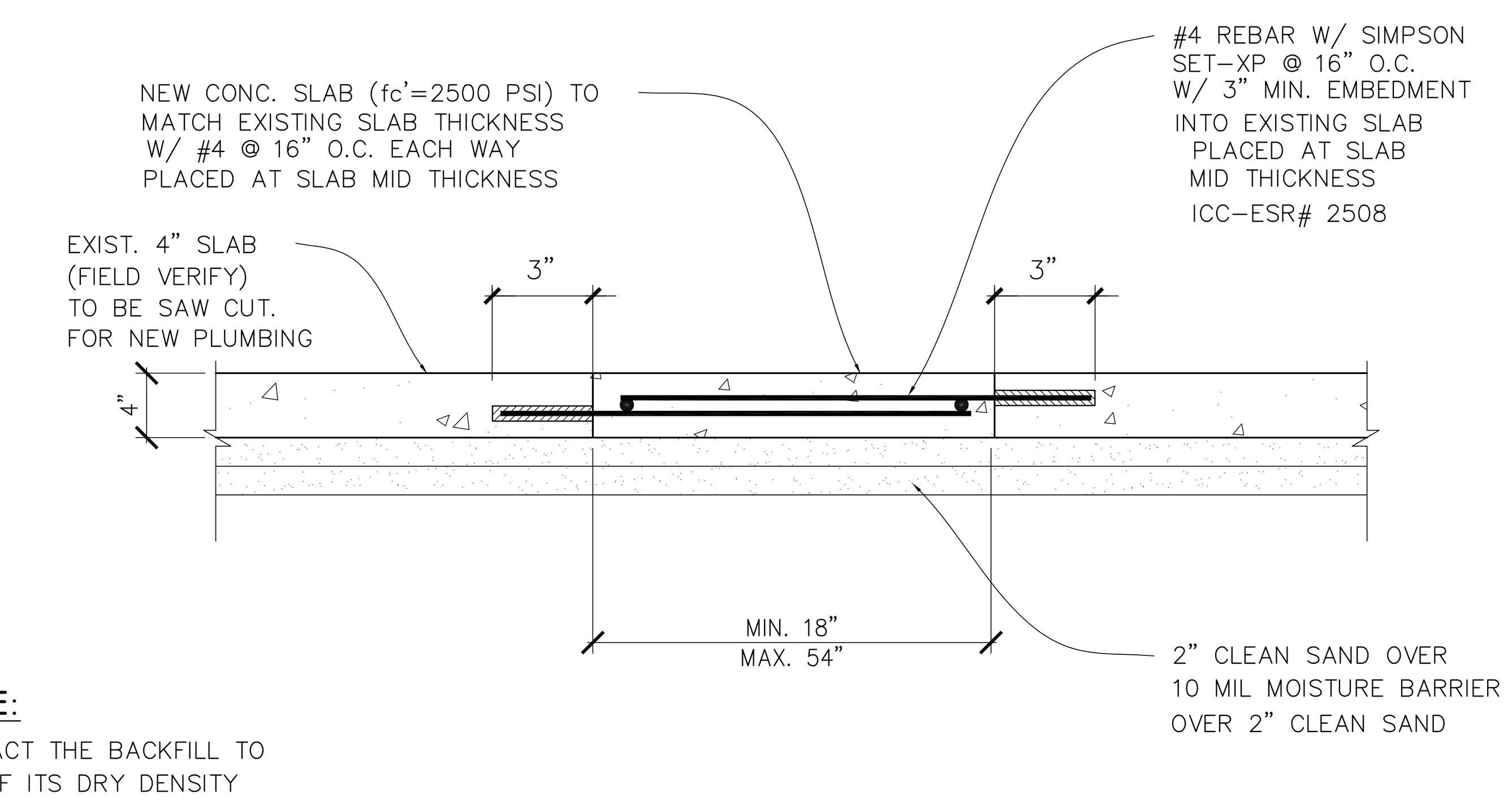
PROJECT #: 01667.00
DRAWN BY:
CHECKED BY:
SCALE:
DATE: 07/31/17

SHEET NUMBER:

SD2

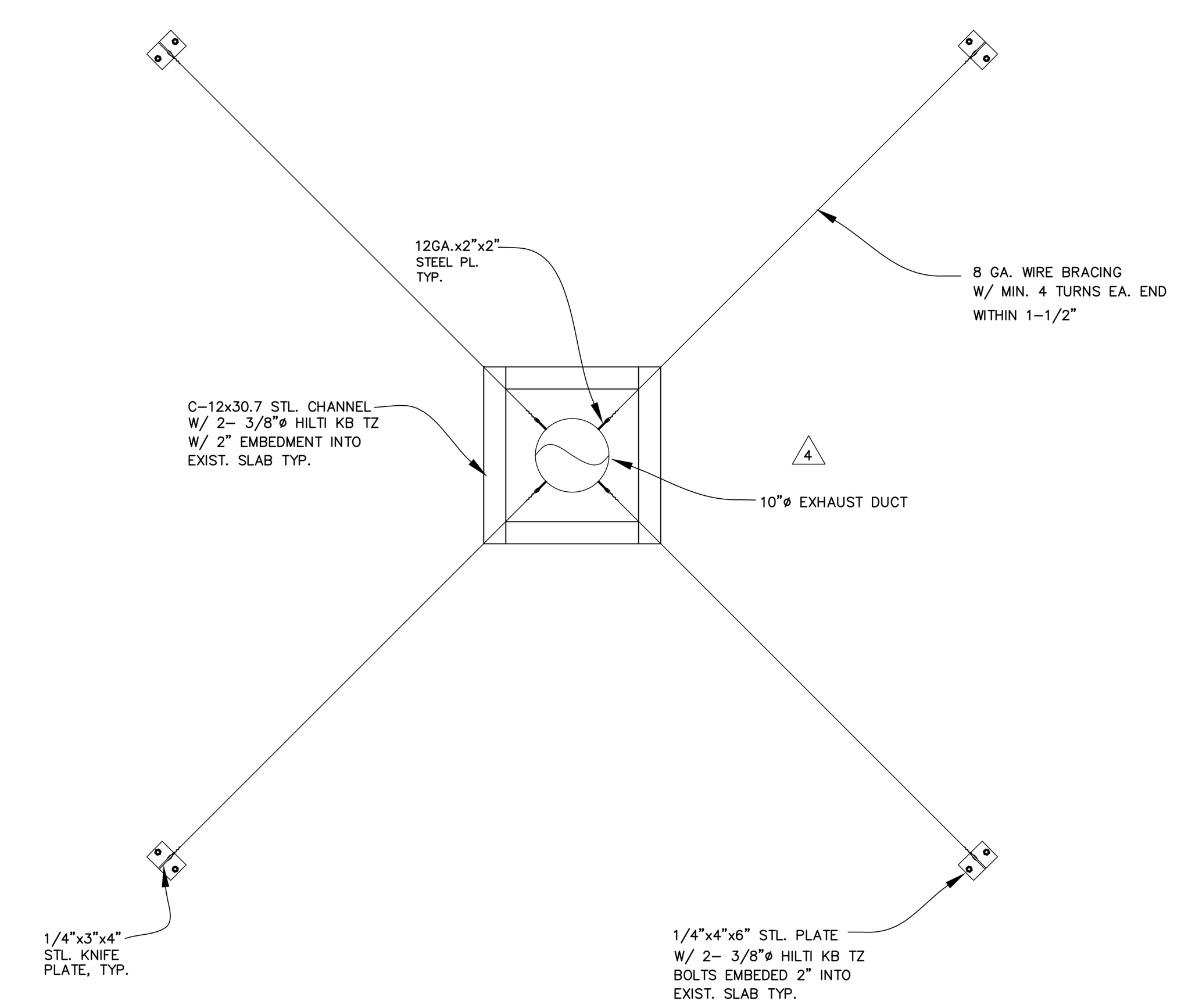
OF

100% CONSTRUCTION DOCUMENT



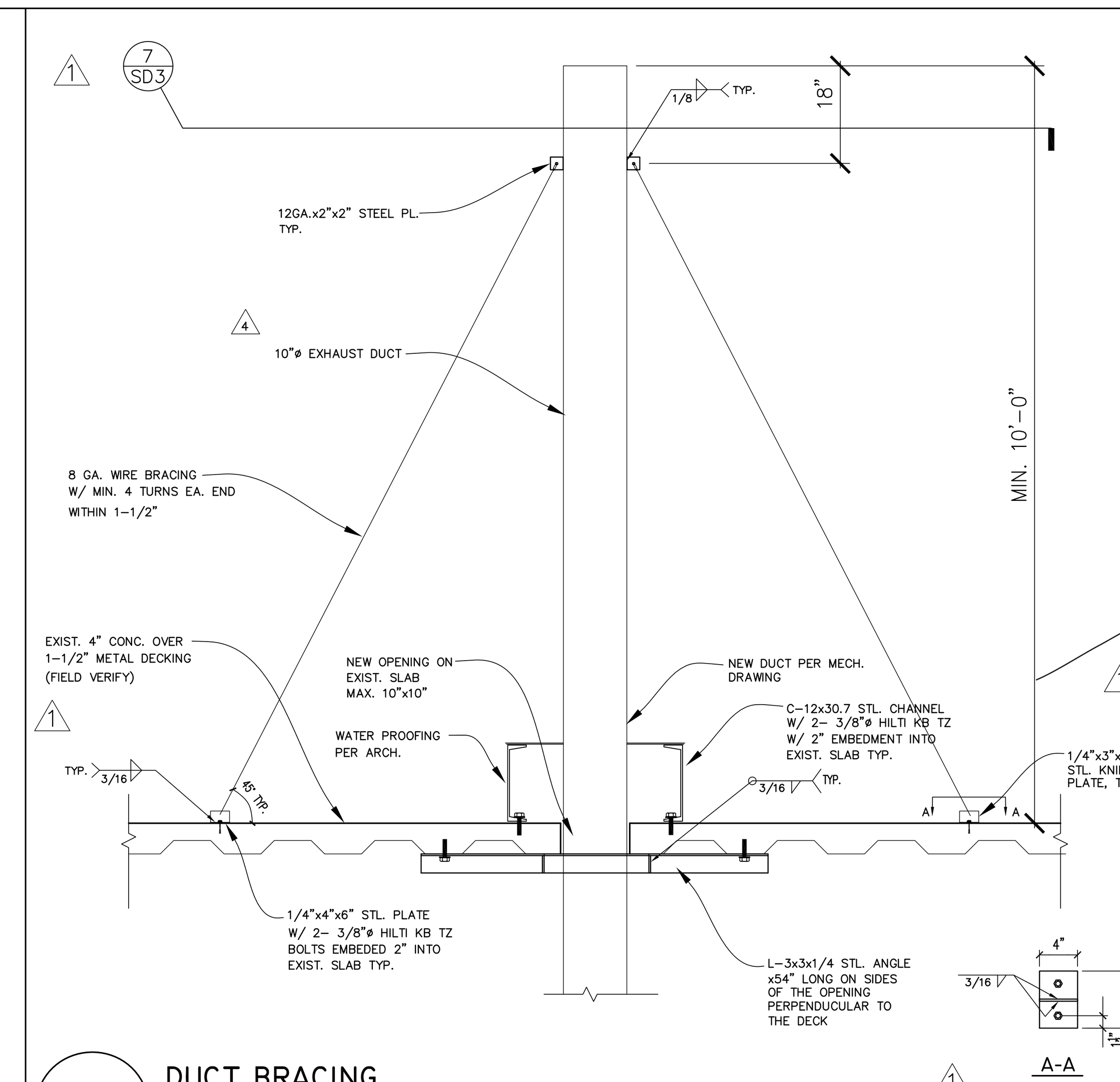
6 SAW CUT SLAB CONNECTION

SCALE: 1"=1'-0"



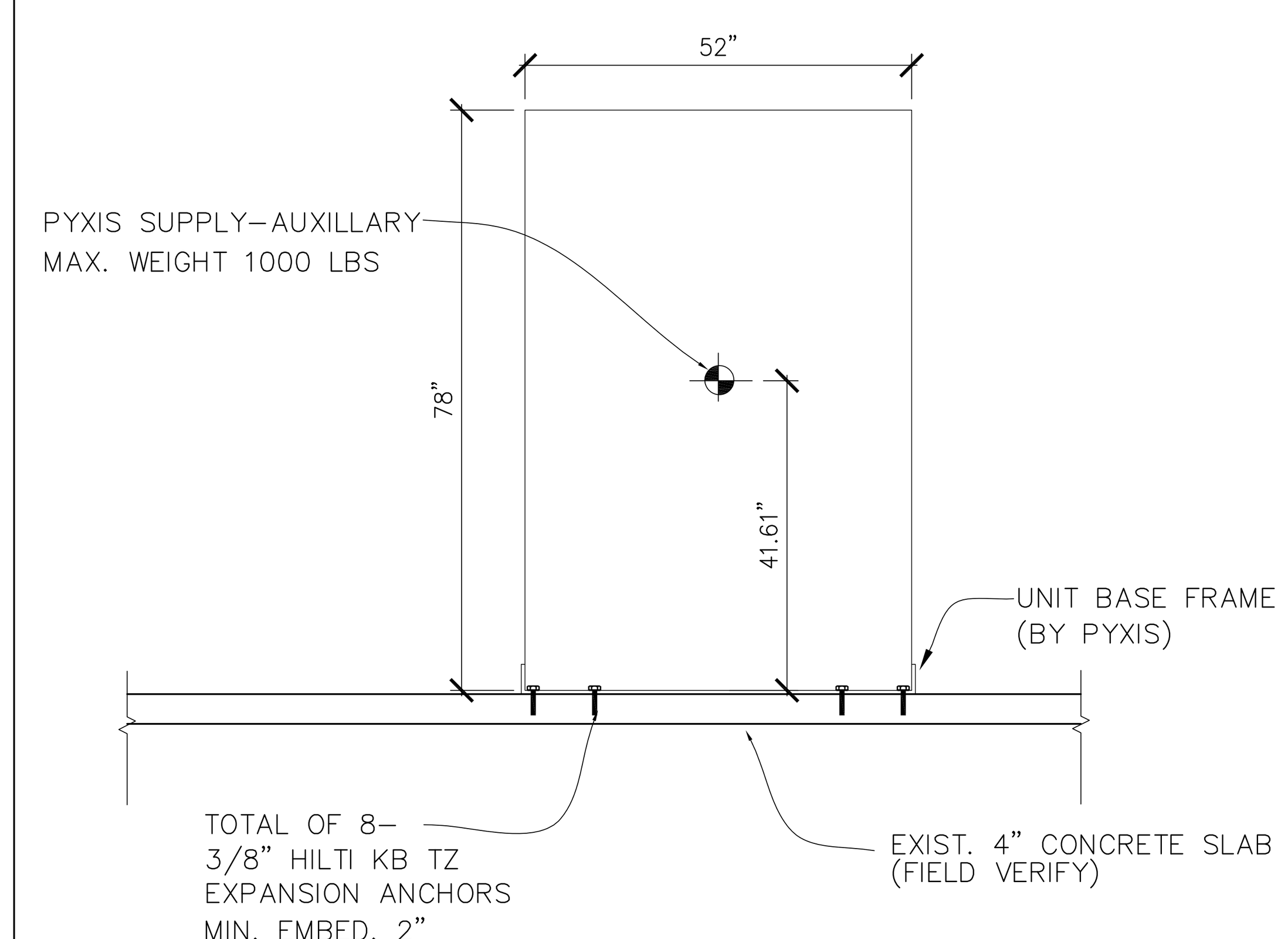
7 DUCT BRACING

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



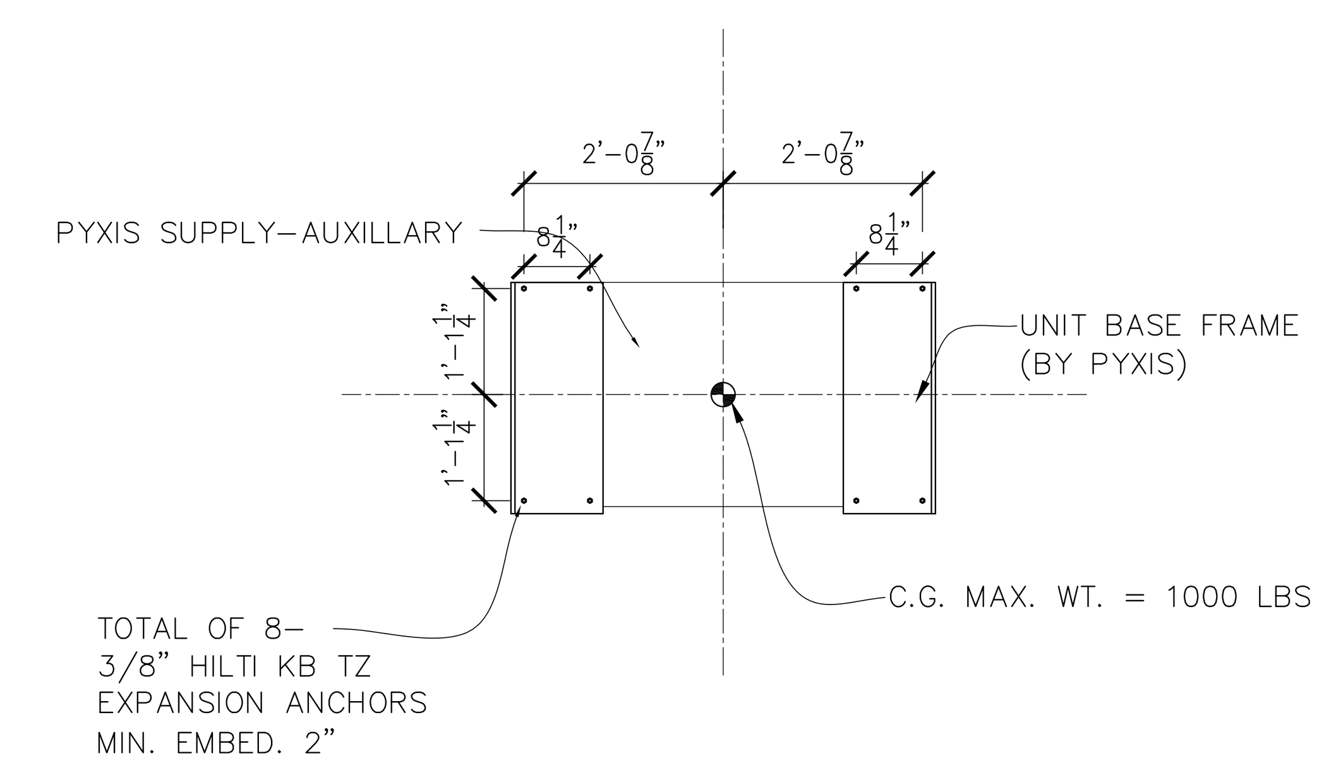
8 DUCT BRACING

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



11 PYXIS FRONT VIEW

SCALE: 1/2"=1'-0" (010) (011)



12 PYXIS PLAN VIEW AT BASE

SCALE: 1/2"=1'-0" (010) (011)

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

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

OWNER: 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

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

LICENSED ARCHITECT JOSEPH MICHEL SFEIR No. C28543 REN. 1-31-19 STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER ... EXP. 6/30/2019 STRUCTURAL STATE OF CALIFORNIA

REV.	DESCRIPTION:	DATE:
1	OSHPD COMMENTS	10-09-17
2	DESIGN CHANGES	10-09-17
3	OSHPD COMMENTS	12-11-17
4	DESIGN CHANGES	12-11-17
5	OSHPD COMMENTS	5-15-18
6	OSHPD COMMENTS	6-05-18

CONSULTANT

OSHPD APPROVAL STAMP:
OSHPD #: S171641-37-00

SHEET TITLE:
DETAILS

PROJECT TITLE:
TCMC USP 800

PROJECT #: 01667.00
DRAWN BY:
CHECKED BY:
SCALE:
DATE: 07/31/17

SHEET NUMBER:
SD3

100% CONSTRUCTION DOCUMENT

LEGEND

SYMBOL	DESCRIPTION
	NOTE CALLOUT
	DETAIL CALLOUT - NUMBER ON TOP DENOTES DETAIL NUMBER - NUMBER ON BOTTOM DENOTES SHEET DETAIL IS SHOWN
	MECHANICAL EQUIPMENT CALLOUT, SEE MECHANICAL PLANS FOR EXACT LOCATION AND REQUIREMENTS
	SECTION CALLOUT
	POINT OF CONNECTION
	POINT OF DISCONNECTION
	NEW LINEWORK
	EXISTING LINEWORK
	DEMOLITION LINEWORK
4" CHWR	NEW PIPING (SIZE-SERVICE)
16"x12"	SHEET METAL DUCT
16"x12"	HIDDEN SHEET METAL DUCT
	DIRECTION OF FLOW
	STANDARD BRANCH FOR SUPPLY AND RETURN
	ROUND ELBOW DOWN
	ROUND ELBOW UP
	RECTANGULAR TO ROUND TRANSITION
8"	FLEXIBLE DUCT
FC	FLEX CONNECTION
FD	FIRE DAMPER
FSD	COMBINATION FIRE AND SMOKE DAMPER
M	MOTORIZED DAMPER
	SUPPLY DIFFUSER: 2-WAY/3-WAY/4-WAY
	GRILLE: RETURN/EXHAUST
	1'x2' RETURN AIR GRILLE
	2'x2' RETURN AIR GRILLE
UP DN	SUPPLY AIR DUCT SECTION
UP DN	RETURN AIR DUCT SECTION
UP DN	EXHAUST AIR DUCT SECTION
	POWER OR GRAVITY ROOF VENTILATOR - EXHAUST
	POWER OR GRAVITY ROOF VENTILATOR - SUPPLY
UC	UNDERCUT DOOR
TG	TRANSFER GRILLE OR LOUVER
DG	DOOR GRILLE OR LOUVER
	SINGLE DUCT VAV BOX WITH REHEAT COIL
	SINGLE DUCT VAV BOX WITHOUT REHEAT COIL
T	SPACE TEMPERATURE SENSOR
SD	SMOKE DETECTOR
SYMBOL	DESCRIPTION
SP	STATIC PRESSURE SENSOR

SYMBOL	DESCRIPTION
	DAMPER, OPPOSED BLADE
	DAMPER, PARALLEL BLADE
	FILTER
	LOUVER
AD	ACCESS DOOR OR ACCESS PANEL (AP) IN DUCTWORK
	TURNING VANES (RECTANGULAR)
	DRAIN, FUNNEL
	PUMP
	CENTRIFUGAL FAN
	ELECTRONIC 2-WAY VALVE
	DDC INPUT
	DDC OUTPUT
	LOCALLY MOUNTED INSTRUMENT
CO2	CARBON DIOXIDE SENSOR
DPS	DIFFERENTIAL PRESSURE SENSOR
FM	FLOW METER
FS	AIRFLOW SENSOR
HS	RELATIVE HUMIDITY SENSOR
TS	TEMPERATURE SENSOR
TS	AVERAGING TEMPERATURE SENSOR
	ANALOG SIGNAL
	DIGITAL SIGNAL

CONTROL ABBREVIATIONS

ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION
A	ALARM	PT	PRESSURE TRANMITTER
AI	ANALOG INPUT	RH	RELATIVE HUMIDITY
AO	ANALOG OUTPUT	S	STATUS
DI	DIGITAL INPUT	SC	SPEED CONTROL
DO	DIGITAL OUTPUT	SI	SPEED INDICATOR
DP	DIFFERENTIAL PRESSURE	SP	SETPOINT
FS	FLOW SWITCH	SS	START/STOP
FM	FLOW METER	T	TEMPERATURE
HOA	HANDS OFF AUTO	TI	TEMPERATURE INDICATOR
KW	KILOWATTS	VA	DAMPER/VALVE ACTUATOR
LA	LEVEL ALARM	VP	VELOCITY PRESSURE
MOD	MOTOR OPERATED DAMPER	VSH	VIBRATION SWITCH
NC	NORMALLY CLOSED	ZC	CLOSED END SWITCH
NO	NORMALLY OPEN	ZI	POSITION INDICATOR
PS	PRESSURE SWITCH	ZO	OPEN END SWITCH

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.

ABBREVIATIONS

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

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.

PROJECT NOTES

1. CONTRACTOR SHALL COORDINATE ARCHITECTURAL REFLECTED CEILINGS PLANS WITH ALL DISCIPLINES TO VERIFY CLEARANCES BETWEEN HVAC DUCTS, HVAC PIPING, LIGHT FIXTURES, ELECTRICAL DATA CONDUITS, PLUMBING LINES, FIRE PROTECTION LINES, STRUCTURAL MEMBERS, ETC. SPECIAL ATTENTION IS REQUIRED ALONG THE LENGTH OF MAIN MECHANICAL SUPPLY AND RETURN AIR DUCTS WHERE THERE IS LIMITED CLEARANCE FOR PASSAGE OR ROUTING OF UTILITIES.
2. THE SPACE FOR DUCT WORK & MECHANICAL EQUIPMENT FOR THIS PROJECT IS LIMITED. COORDINATION WITH OTHER TRADES IS CRITICAL. PROCEED WITH PREPARATION OF SHOP DRAWINGS IMMEDIATELY UPON RECEIVING AN AUTHORIZATION TO PROCEED FOR THE PROJECT. COMPLETE SHOP DRAWINGS PRIOR TO MATERIAL FABRICATION AND INSTALLATION. SHOP DRAWINGS SHALL BE REVIEWED BY COMMISSIONING AGENT, MEOR AND OWNER'S REPRESENTITIVE PRIOR TO SUBMITTAL.
3. 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.
5. 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 WRITTEN APPROVAL FROM A DESIGNATED STRUCTURAL ENGINEER AND THE OWNER.
21. ALL PIPE ELBOWS SHALL BE LONG RADIUS UNLESS OTHERWISE SPECIFICALLY NOTED ON THE DRAWINGS.
22. ISOLATE AND DRAIN EXISTING PIPING SYSTEM AS REQUIRED TO ACCOMMODATE INSTALLATION OF THE WORK.
23. ALL MATERIAL EXPOSED WITHIN RA PLENUMS SHALL BE NON-COMBUSTIBLE OR SHALL HAVE A FLAME SPREAD INDEX NOT GREATER THAN 25 AND SMOKE DEVELOPED INDEX NOT GREATER THAN 50. COMPLY WITH CMC-602.2.
24. 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 1615A.1.17 THROUGH 1616A.1.27 AND ASCE 7-10 CHAPTER 13.

    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 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.
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.

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

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

OWNER: TRI-CITY MEDICAL CENTER, 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

LICENSED ARCHITECT — JOSEPH MICHEL SFEIR — No. C 28543 — REN. 1-31-19 — STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER — PAUL A. LUSTER — No. M29400 — 07/31/17 — MECHANICAL — STATE OF CALIFORNIA

REV:	DESCRIPTION:	DATE:
1	OSHPD COMMENTS	10-09-17
2	DESIGN CHANGES	10-09-17
3	OSHPD COMMENTS	12-11-17
4	DESIGN CHANGES	12-11-17
5	OSHPD COMMENTS	5-15-18
6	DESIGN CHANGES	6-05-18

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

OSHPD APPROVAL STAMP:
OSHPD #: S171641-37-00

SHEET TITLE:
GENERAL NOTES, LEGEND, SYMBOLS, AND SHEET INDEX

PROJECT TITLE:
TCMC USP 800

PROJECT #:	01667.00
DRAWN BY:	ED
CHECKED BY:	SJ
SCALE:	
DATE:	07/31/17

SHEET NUMBER: M0-01
OF

100% CONSTRUCTION DOCUMENT

AIR BALANCE SCHEDULE [3] [4] [5] [6]

ROOM NUMBER	ROOM NAME	ROOM AREA (SF)	CEILING HEIGHT	CODE REQUIREMENTS PER CMC TABLE 4-A (USP 797 & USP 800)								PROPOSED DESIGN						ACTUAL [10]							REMARKS
				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 SUPPLY (CFM)	ROOM EXHAUST (CFM)	ROOM RETURN (CFM)	ROOM TOTAL AIR CHANGES (AC/HR)	ROOM OUTSIDE AIR (AC/HR)	ROOM EXHAUST (AC/HR)	
032	BSC	100	8'	300	400	-	-	30	-	N	YES	300	450	-	33.75	-	33.75								[1] [2]
031	ANTE ROOM	370	8'	1480	-	-	100	30	2	P	NO	1480	-	1305	30	2	-								[1] [2] [3]
030	IV PREP ROOM	160	8'	640	-	-	45	30	2	P	NO	600	-	525	28 [7]	2	-								[1] [7]
041	TOILET	48	8'-1"	-	65	-	-	10	-	N	YES	-	65	-	10	-	10								

1. (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.
3. 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.
4. 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 COMPLIANT.
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.
7. (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.

CAV SCHEDULE

MARK	MANUFACTURER & MODEL	LOCATION	INLET SIZE DIA	DCV Y/N	AIRFLOW			HEATING COIL										REMARKS
								AIRSIDE				WATERSIDE						
					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		
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	-	

EXISTING CAV SCHEDULE

MARK	MANUFACTURER & MODEL	LOCATION	INLET SIZE DIA	DCV Y/N	AIRFLOW			HEATING COIL										REMARKS
								AIRSIDE				WATERSIDE						
					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		
(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	-	

FAN FILTER BOX

MARK	MANUFACTURER & MODEL	LOCATION	SIZE	CFM	ELECTRICAL			WEIGHT	REMARKS
					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]

[1] RECIRCULATED AIR. [2] PROVIDE WITH BACNET CONTROL INTERFACE.

EXISTING FAN FILTER BOX

MARK	MANUFACTURER & MODEL	LOCATION	SIZE	CFM	ELECTRICAL			WEIGHT	REMARKS
					HP	VOLT	PH	LBS	
(E) FF-1	ENVIRCO - LEDC	IV PREP ROOM	2'x4"	600	1/3	120	1	71	-

GRILLES, REGISTERS, DIFFUSERS

MARK	DESCRIPTION	MATERIAL	STYLE	FRONT BLADES	DAMPER	FINISH	REMARKS
EG-1	PRICE 530	STEEL	SIDEWALL	HORIZONTAL	N/A	[1]	-
EG-2	PRICE PDDR	STEEL	LAY-IN	-	N/A	[1]	-
RG-1	PRICE 530	STEEL	SIDEWALL	HORIZONTAL	N/A	[1]	-

[1] COORDINATE WITH ARCHITECT.

SHEET INDEX

MECHANICAL PIPE AND DUCT SYSTEM SEISMIC SUPPORT NOTES

MECHANICAL & PLUMBING:

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.

SFEIR 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

OWNER: TRI-CITY MEDICAL CENTER
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

LICENSED ARCHITECT JOSEPH MICHAEL SFEIR No. C 28543 REN. 1-30-19 STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER PAUL A. FUSTER No. M36400 07/31/17 MECHANICAL STATE OF CALIFORNIA

REV:		DESCRIPTION:	DATE:
1	1	OSHPD COMMENTS	10-09-17
2	2	DESIGN CHANGES	10-09-17
3	3	OSHPD COMMENTS	12-11-17
4	4	DESIGN CHANGES	12-11-17
5	5	OSHPD COMMENTS	5-15-18
6	6	DESIGN CHANGES	6-05-18

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

OSHPD APPROVAL STAMP:

OSHPD #: S171641-37-00

SHEET TITLE:
SCHEDULES

PROJECT TITLE:
TCMC USP 800

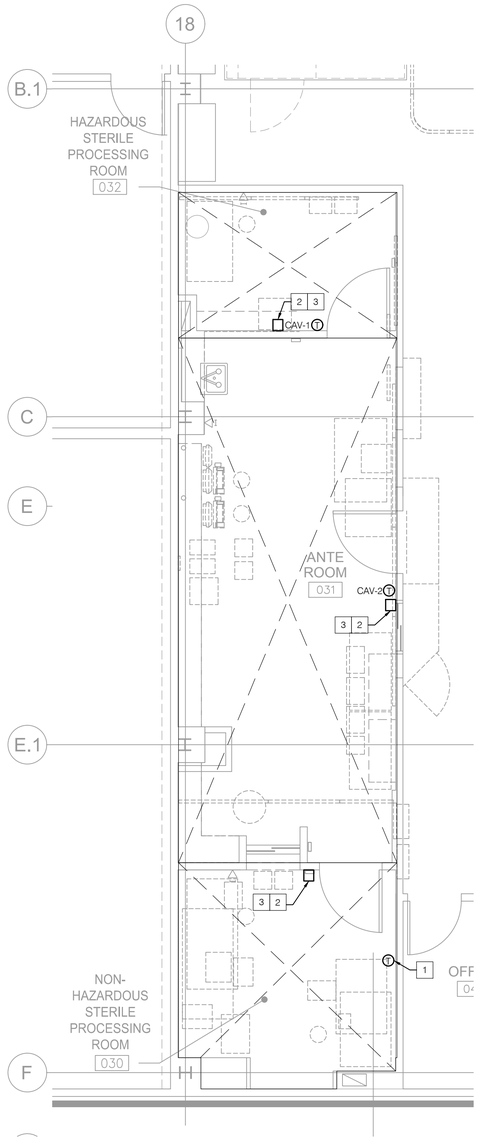
PROJECT #: 01667.00
DRAWN BY: ED
CHECKED BY: SJ
SCALE:
DATE: 07/31/17

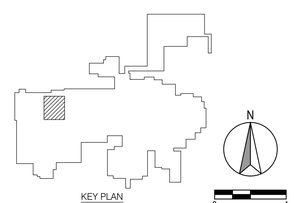
SHEET NUMBER:
M0-02
OF

100% CONSTRUCTION DOCUMENT

NOTES

1. THERMOSTAT FOR (E) CAV-3.
2. ANALOG TYPE PRESSURE MONITOR TO MEASURE PRESSURE BETWEEN 0.01 IN. OF W.C. TO 0.05 IN. OF W.C. WITH PLUS OR MINUS 2% ACCURACY. PRESSURE MONITOR TO BE MOUNTED ON WALL.
3. HUMIDITY LEVEL MONITORS.





SFEIR 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

OWNER: TRI-CITY MEDICAL CENTER
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

LICENSED ARCHITECT JOSEPH MICHAEL SFEIR No. C 28543 REN. 1-31-19 STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER PAUL A. FUSTER No. M36400 07/31/17 MECHANICAL STATE OF CALIFORNIA

REV.		DESCRIPTION:	DATE:
1	1	OSHPD COMMENTS	10-09-17
2	2	DESIGN CHANGES	10-09-17
3	3	OSHPD COMMENTS	12-11-17
4	4	DESIGN CHANGES	12-11-17
5	5	OSHPD COMMENTS	5-15-18
6	6	DESIGN CHANGES	6-05-18

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

OSHPD APPROVAL STAMP:

OSHPD #: S171641-37-00

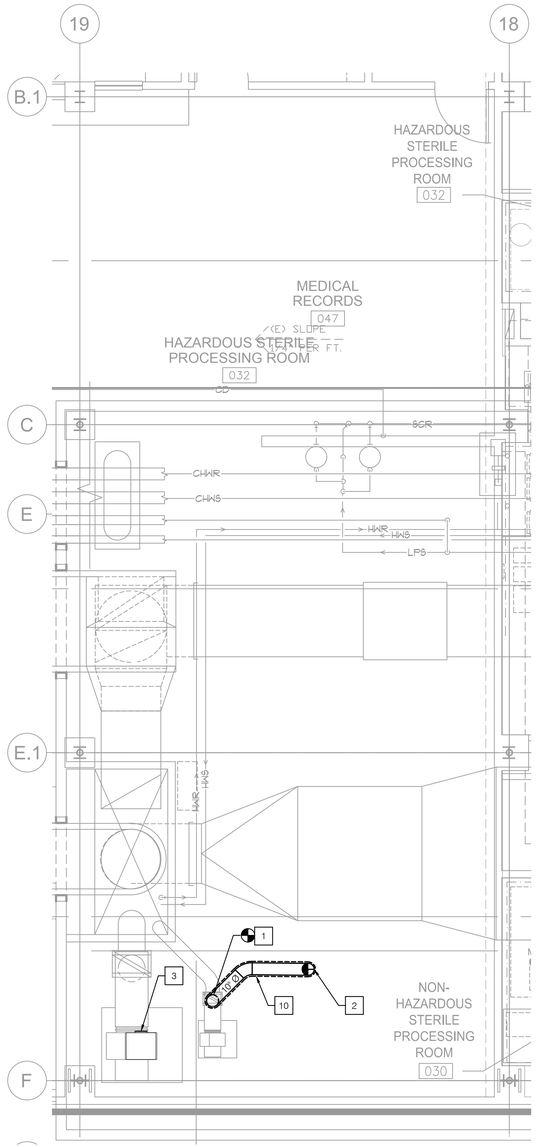
SHEET TITLE:
ZONING PLAN

PROJECT TITLE:
TCMC USP 800

PROJECT #: **01687.00**
DRAWN BY: ED
CHECKED BY: SJ
SCALE:
DATE: **07/31/17**

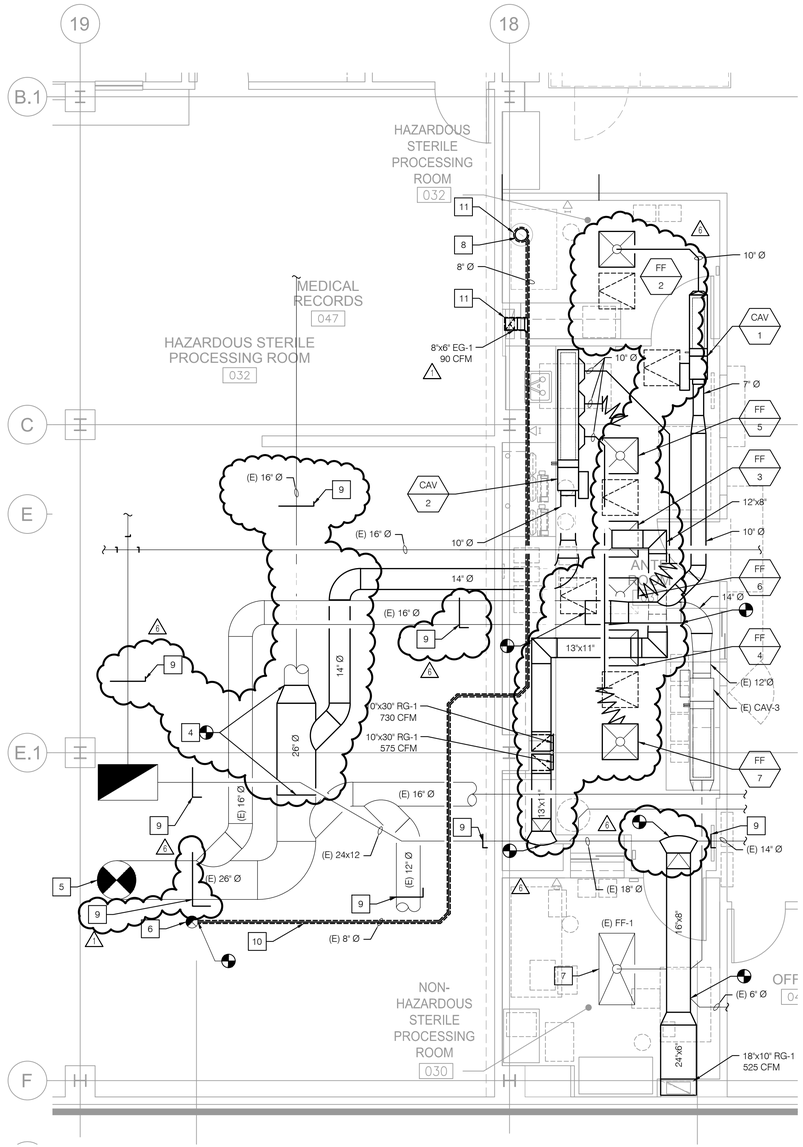
SHEET NUMBER:
M1-10
OF

100% CONSTRUCTION DOCUMENT



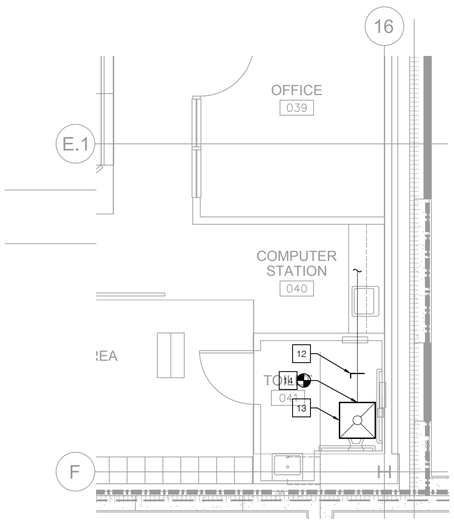
2 RENOVATION ROOF PLAN

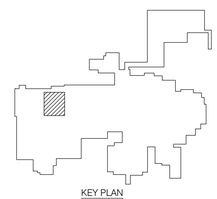
SCALE: 1/4" = 1'-0"



1 RENOVATION FIRST FLOOR PLAN

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





NOTES

1. POINT OF CONNECTION FOR 10'Ø EXHAUST DUCT TO (E) EF-4.
2. 10'Ø EXHAUST AIR DUCT UP THRU ROOF. ROUTE DISCHARGE AIR DUCT UP 10 FEET ABOVE ROOF LEVEL. REFER TO DETAIL 2/M6-10.
3. CAP DUCT AIR AND WATER TIGHT. CAP DUCT OPENING ON EXHAUST HOOD ON ROOF WHERE (E) 8'Ø DUCT PENETRATED AIR AND WATER TIGHT.
4. POINT OF CONNECTION FOR SUPPLY AIR DUCT TO CAV-2.
5. (E) 26' Ø SUPPLY AIR DUCT TO (E) 40' Ø SUPPLY AIR DUCT TO AHU-3 IN MECHANICAL PENTHOUSE.
6. (E) 8' Ø EXHAUST AIR DUCT UP TO (E) EF-4 IN SHAFT.
7. REPLACE EXISTING FILTER.
8. CONNECT TO BSC AND BALANCE TO 360 CFM FOR BSC HOOD.
9. REBALANCE AIR TO PRE-CONSTRUCTION AIR READS OR PRE-CONSTRUCTION AIR READS PLUS THE ADDITIONAL AIR REQUIREMENTS FOR THE PROJECT. REBALANCE (E) AHU-3 AS NECESSARY.
10. EA DUCT WITH 2-HR FIRE BARRIER DUCT WRAP BY 3M TYPE 615+. INSTALL PER MANUFACTURER INSTRUCTIONS.
11. PROVIDE EA DUCT WITH 2-HR FIRE BARRIER TO CEILING PENETRATION.
12. PROVIDE MANUAL BRANCH VOLUME DAMPER. CONTRACTOR TO VERIFY THE SIZE OF THE (E) DUCTWORK PRIOR TO THE PROCUREMENT AND/OR FABRICATION OF ANY COMPONENTS.
13. SEE AIR BALANCE TABLE ON SHEET M0-02 FOR THE SPECIFIED ROOM EXHAUST RATE.
14. POC FOR EXHAUST GRILLE EG-2.

SFEIR 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

OWNER: TRI-CITY MEDICAL CENTER
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

LICENSED ARCHITECT JOSEPH MICHAEL SFEIR No. C 28543 REN. 1-31-19 STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER No. M34900 07/31/17 MECHANICAL STATE OF CALIFORNIA

1	1	OSHPD COMMENTS	10-09-17
2	2	DESIGN CHANGES	10-09-17
3	3	OSHPD COMMENTS	12-11-17
4	4	DESIGN CHANGES	12-11-17
5	5	OSHPD COMMENTS	5-15-18
6	6	DESIGN CHANGES	6-05-18

REV: DESCRIPTION: DATE:

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

OSHPD APPROVAL STAMP:

OSHPD #: S171641-37-00

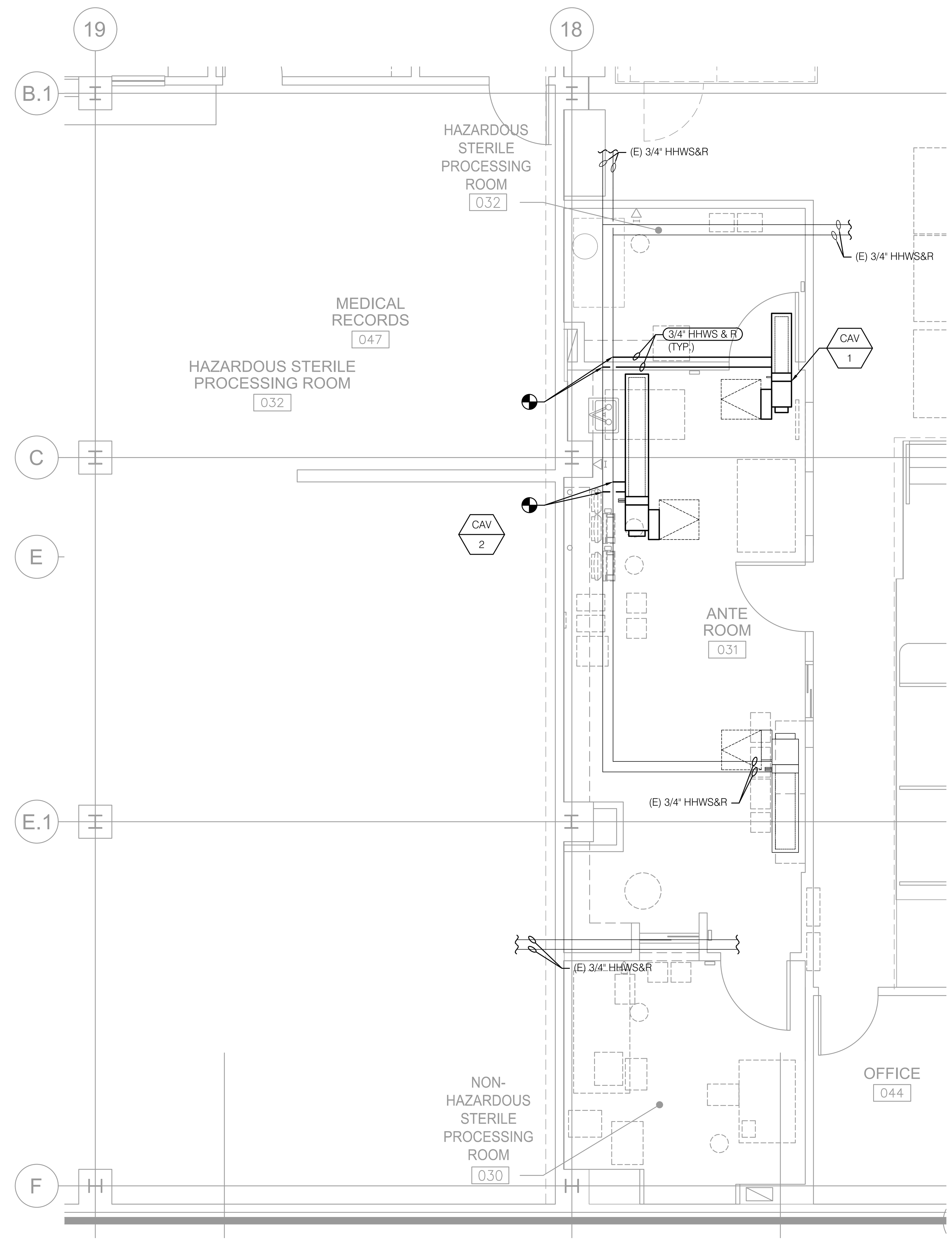
SHEET TITLE:
PARTIAL RENOVATION FIRST FLOOR AND ROOF PLAN

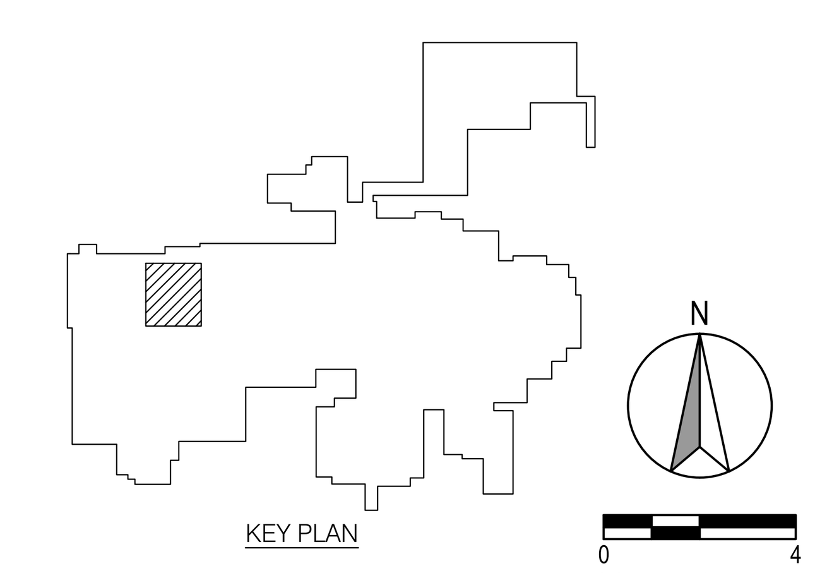
PROJECT TITLE:
TCMC USP 800

PROJECT #: **01667.00**
DRAWN BY: ED
CHECKED BY: SJ
SCALE:
DATE: **07/31/17**

SHEET NUMBER:
M2-10
OF

100% CONSTRUCTION DOCUMENT





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

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

OWNER: TRI-CITY MEDICAL CENTER
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

LICENSED ARCHITECT JOSEPH MICHEL SFEIR No. C28543 REN. 1-31-19 STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER PAUL A. LUSTER No. M29400 07/31/17 MECHANICAL STATE OF CALIFORNIA

REV:	DESCRIPTION:	DATE:
1	OSHPD COMMENTS	10-09-17
2	DESIGN CHANGES	10-09-17
3	OSHPD COMMENTS	12-11-17
4	DESIGN CHANGES	12-11-17
5	OSHPD COMMENTS	5-15-18
6	DESIGN CHANGES	6-05-18

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

OSHPD APPROVAL STAMP:

OSHPD #: S171641-37-00

SHEET TITLE:

PARTIAL RENOVATION HEATING HOT WATER FLOOR PLAN

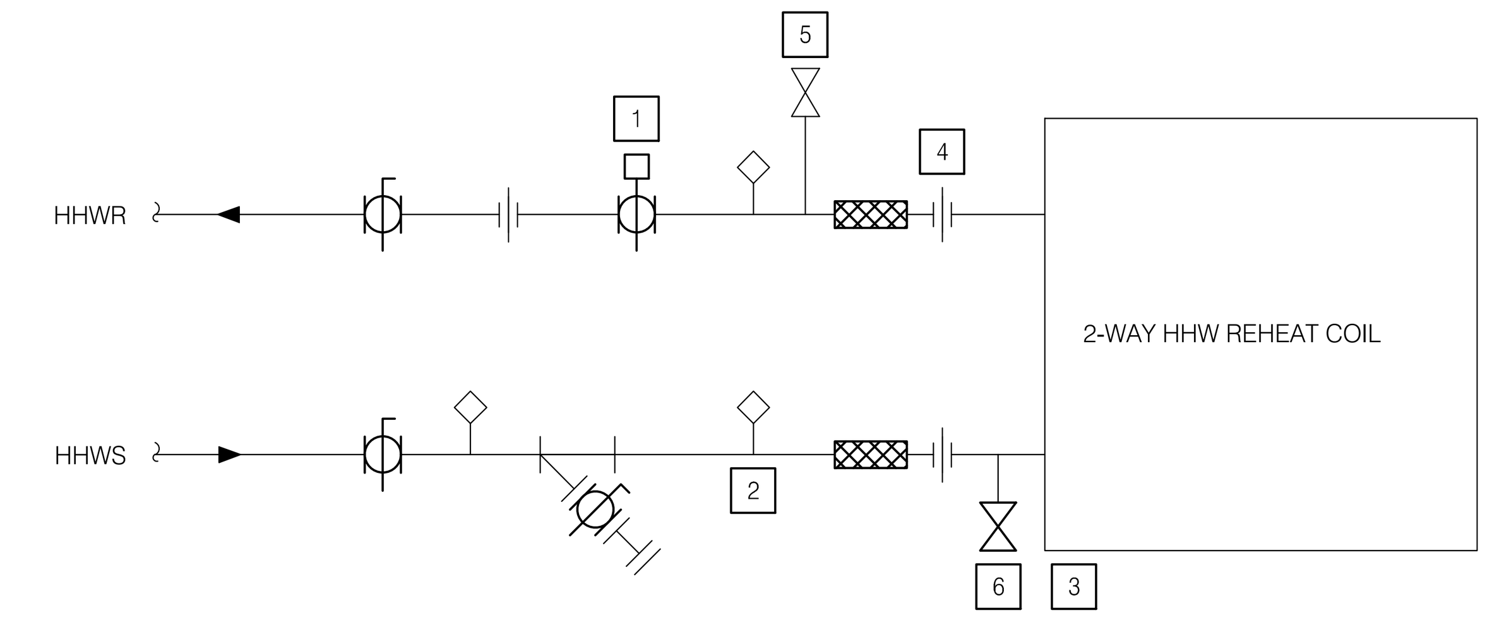
PROJECT TITLE: TCMC USP 800

PROJECT #: 01667.00
DRAWN BY: ED
CHECKED BY: SJ
SCALE:
DATE: 07/31/17

SHEET NUMBER: M2-11

OF

100% CONSTRUCTION DOCUMENT

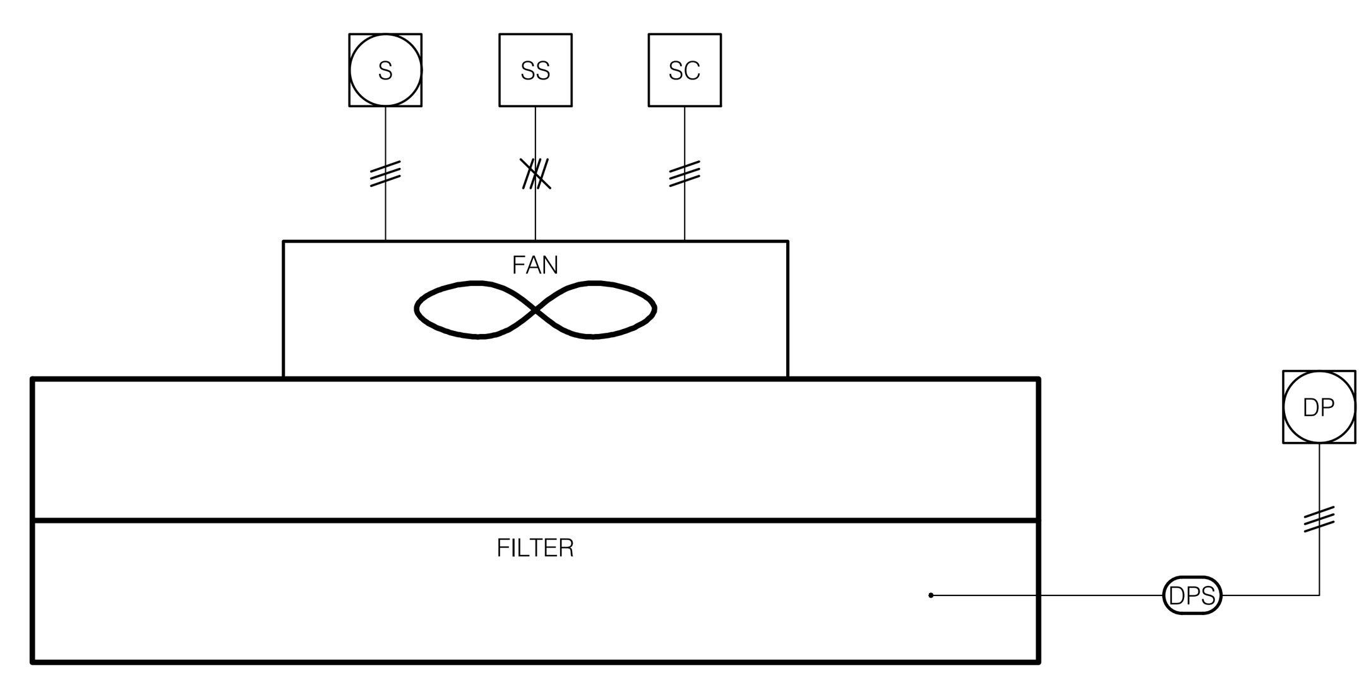


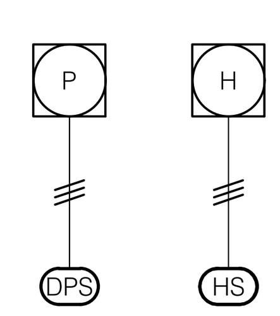
2 2-WAY REHEAT COIL CONNECTIONS

NO SCALE

NOTES

1. COILS SHALL BE PROVIDED WITH PRESSURE INDEPENDANT 2-WAY CONTROL VALVE UNLESS NOTED OTHERWISE ON SCHEDULE. CONTROL VALVE AND ACTUATOR SHALL BE PROVIDED BY THE CONTROLS CONTRACTOR. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE ALL WORK WITH THE CONTROLS CONTRACTOR.
2. CONTRACTOR SHALL INSTALL PETE'S PLUG ON THE SUPPLY AND RETURN LINES AND ENSURE IT IS POINTED NO LOWER THAN HORIZONTAL (TYP.)
3. INSULATION FOR REHEAT COIL HOOK-UP SHALL BE 1/2" THICK ARMAFLEX.
4. UNIONS NOT REQUIRED FOR FLANGED PIPING.
5. MANUAL AIR VENT
6. DRAIN



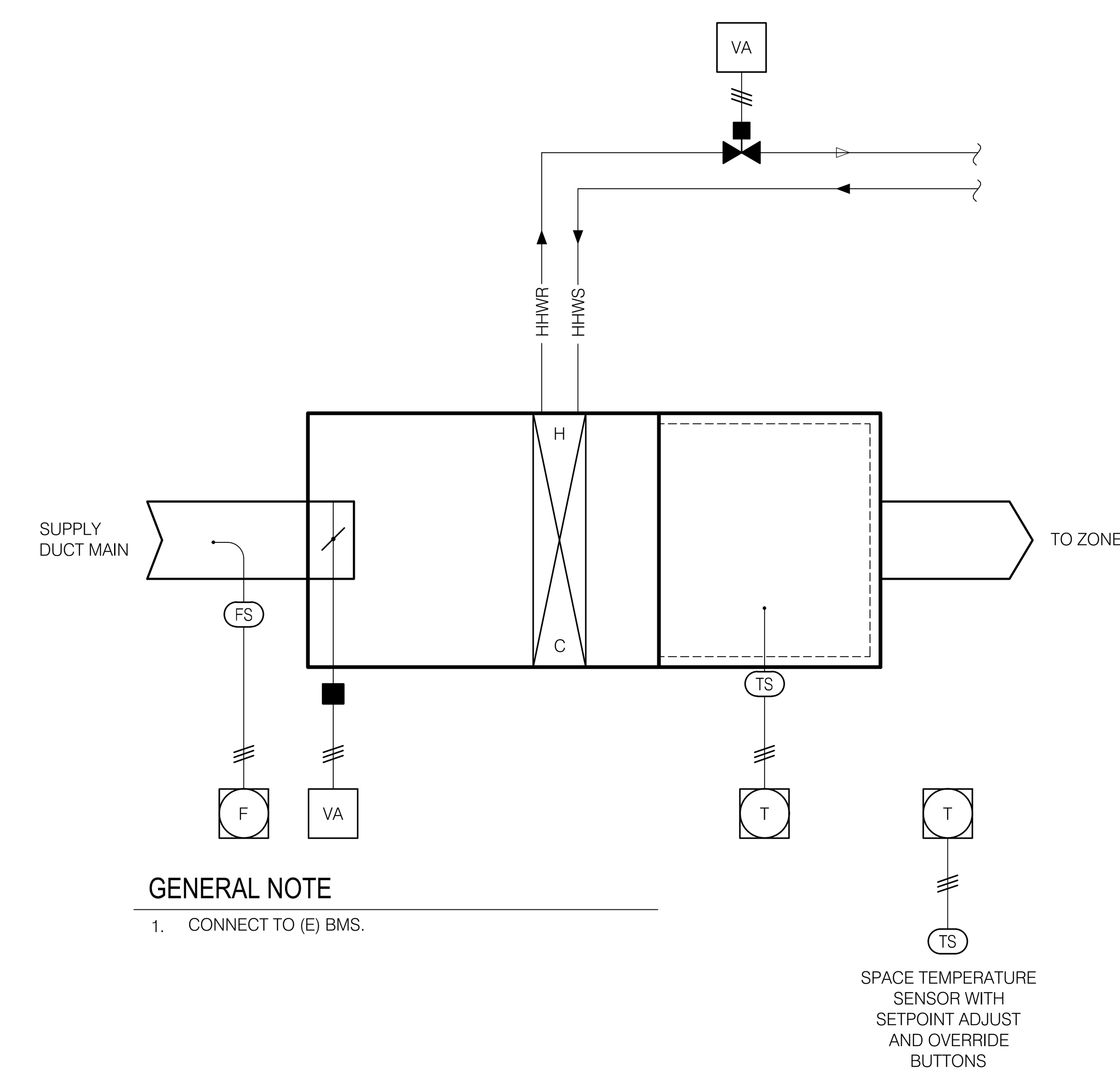


GENERAL NOTES

1. CONNECT TO (E) BMS.
2. PROVIDE WITH FAN AND FILTER ALARM.

3 FAN FILTER UNIT

NO SCALE



GENERAL NOTE

1. CONNECT TO (E) BMS.

1 CAV BOX WITH REHEAT

NO SCALE

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

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

OWNER: TRI-CITY MEDICAL CENTER
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

LICENSED ARCHITECT JOSEPH MICHEL SFEIR No. C28543 REN. 1-31-19 STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER PAUL A. LUSTER No. M29400 07/31/17 MECHANICAL STATE OF CALIFORNIA

REV:	DESCRIPTION:	DATE:
1	OSHPD COMMENTS	10-09-17
2	DESIGN CHANGES	10-09-17
3	OSHPD COMMENTS	12-11-17
4	DESIGN CHANGES	12-11-17
5	OSHPD COMMENTS	5-15-18
6	DESIGN CHANGES	6-05-18

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

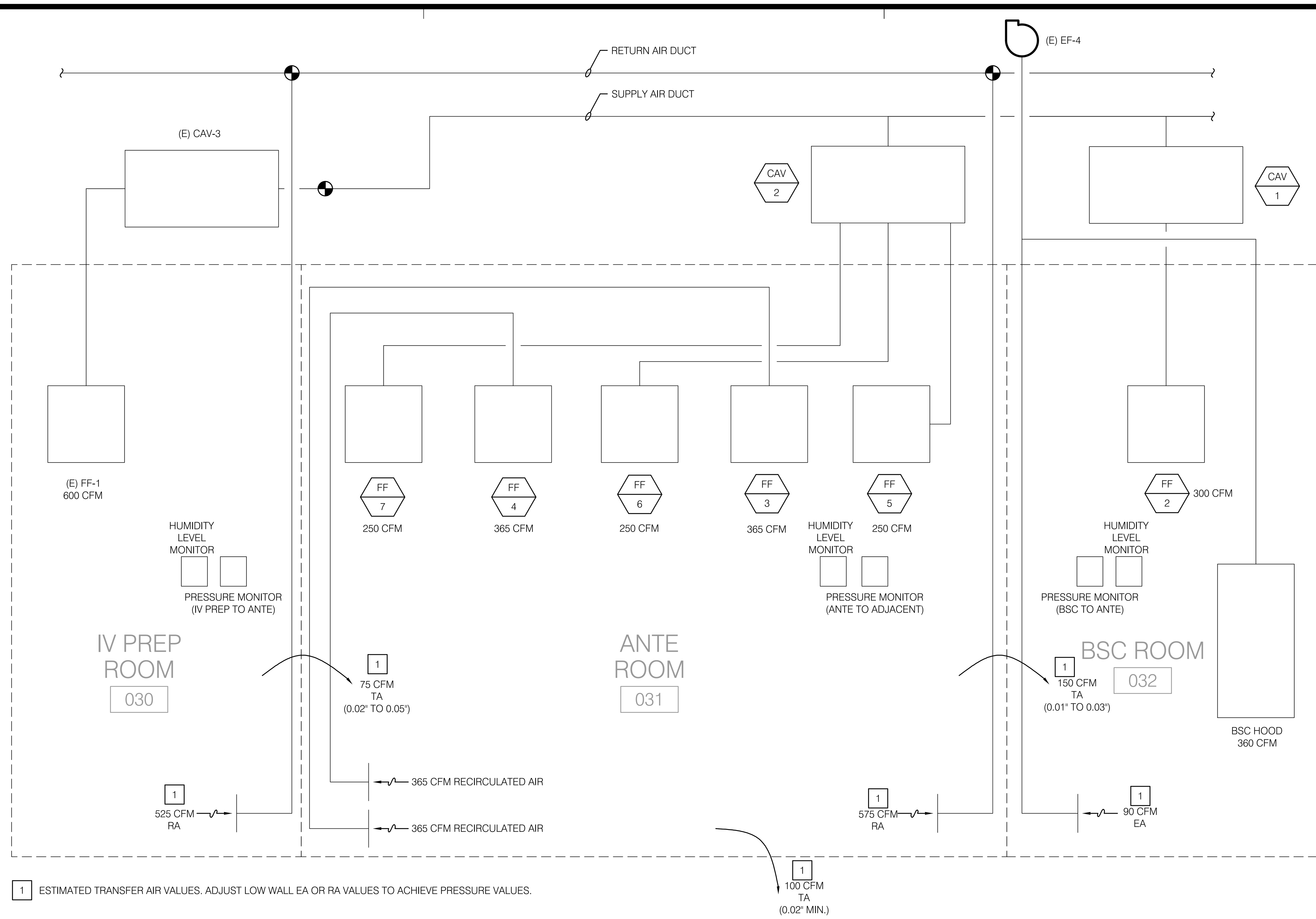
OSHPD APPROVAL STAMP:
OSHPD #: S171641-37-00

SHEET TITLE:
DIAGRAMS

PROJECT TITLE:
TCMC USP 800

PROJECT #:	01667.00
DRAWN BY:	ED
CHECKED BY:	SJ
SCALE:	
DATE:	07/31/17
SHEET NUMBER:	M5-10

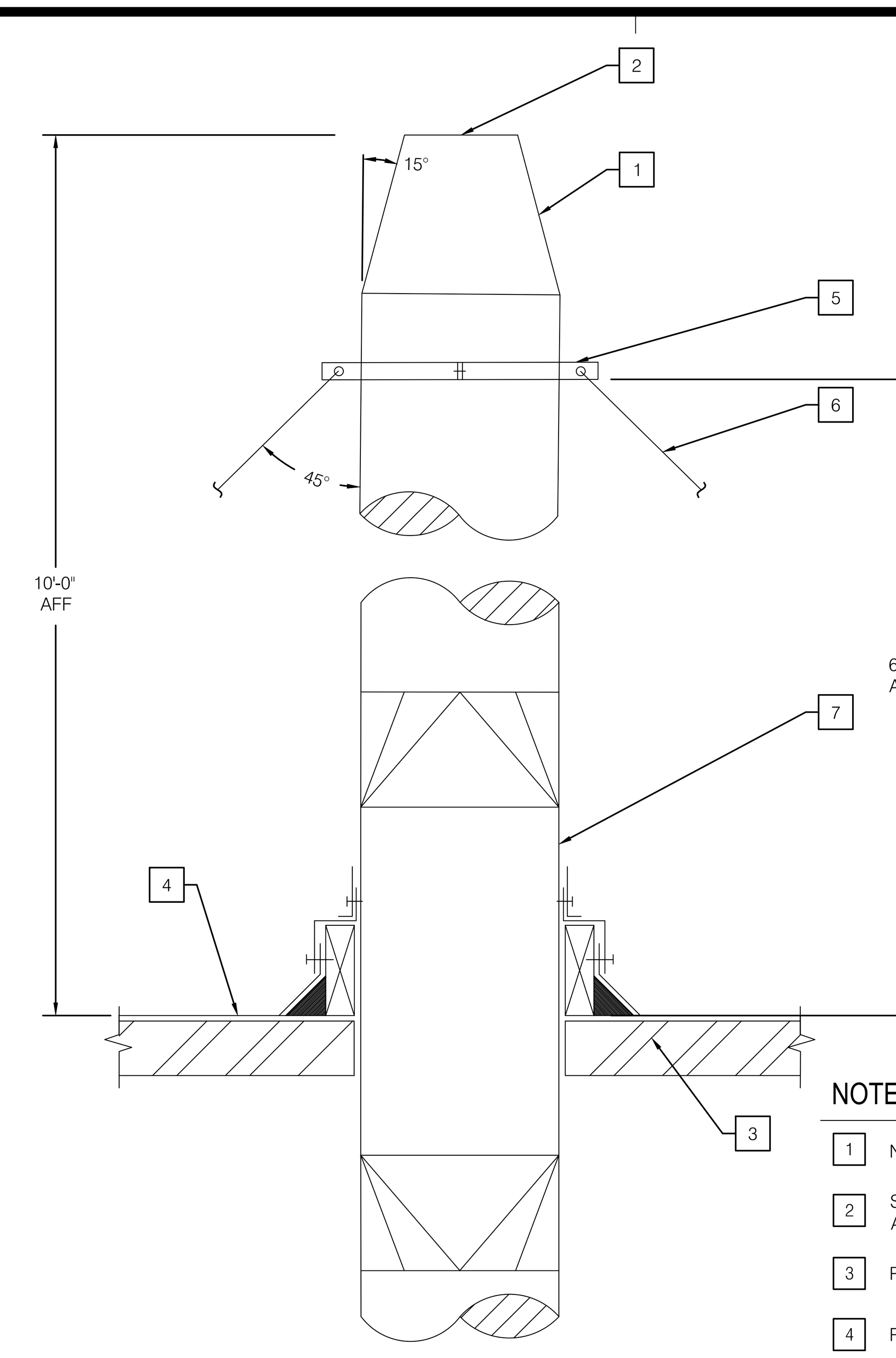
100% CONSTRUCTION DOCUMENT



1 ESTIMATED TRANSFER AIR VALUES. ADJUST LOW WALL EA OR RA VALUES TO ACHIEVE PRESSURE VALUES.

4 AIRFLOW SCHEMATIC DIAGRAM

NO SCALE



GENERAL NOTES

1 FOR FLASHING SEE ARCH DRAWING.

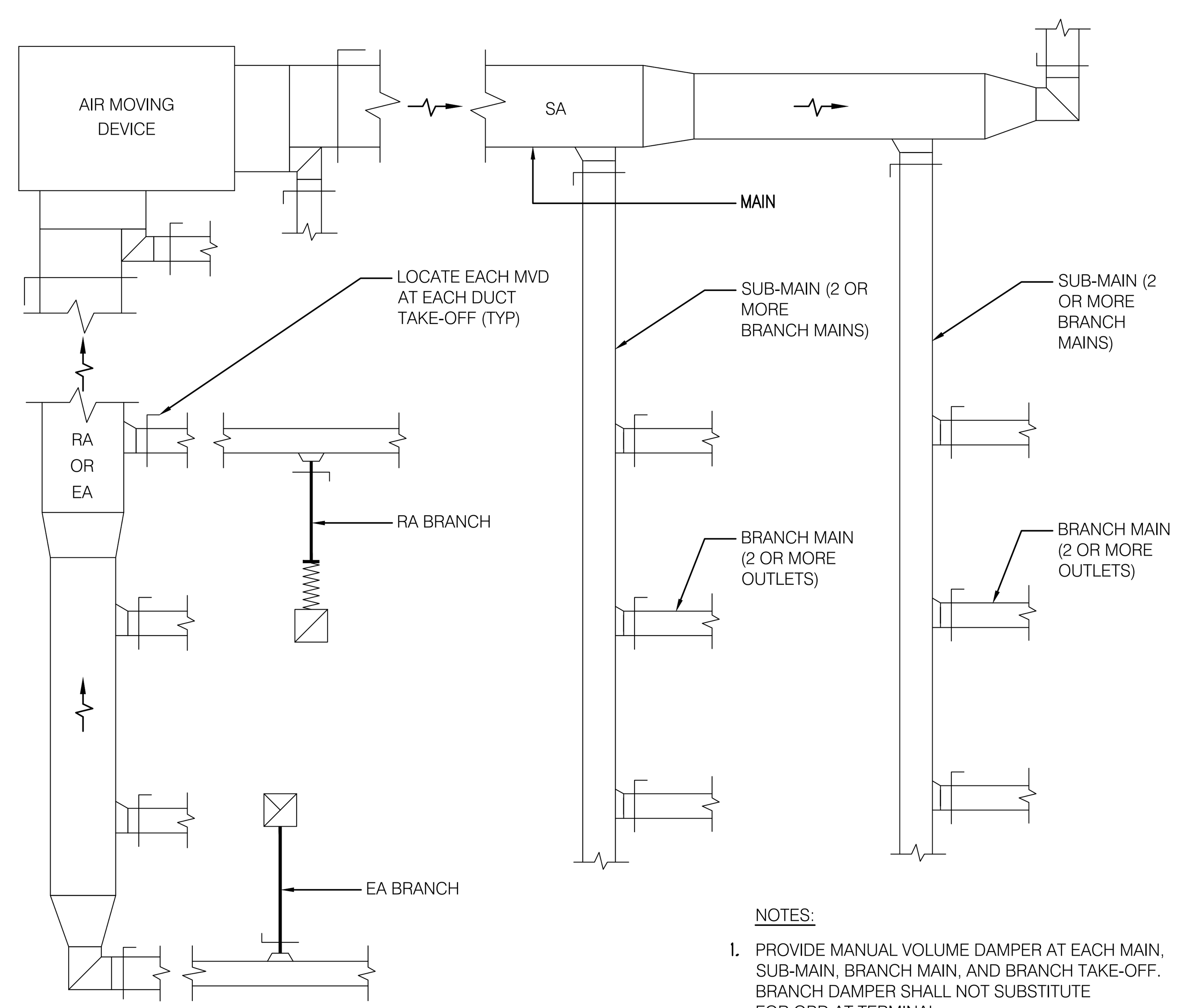
2 FOR ANCHORAGE SEE STRUCTURAL DRAWING.

NOTES

1. NOZZLE.
2. SIZE OPENING OF NOZZLE TO ACHIEVE 3000FPM AIR VELOCITY AT DISCHARGE.
3. ROOF STRUCTURE.
4. ROOFING.
5. ANGLE RING WITH CLEATS.
6. GUY WIRE (TYP.4).
7. DUCT.

2 DUCT THROUGH ROOF

NO SCALE

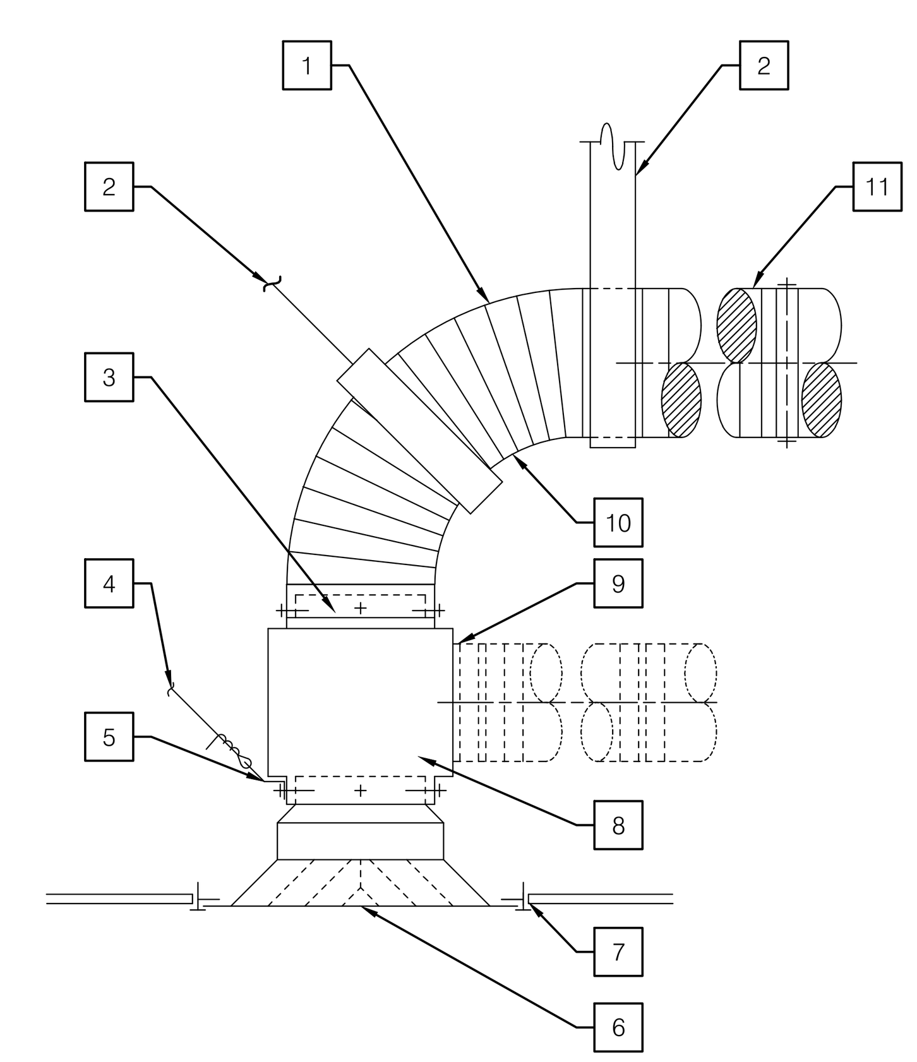


NOTES:

1. PROVIDE MANUAL VOLUME DAMPER AT EACH MAIN, SUB-MAIN, BRANCH MAIN, AND BRANCH TAKE-OFF. BRANCH DAMPER SHALL NOT SUBSTITUTE FOR OBD AT TERMINAL.
2. PROVIDE CEILING ACCESS TO ALL DAMPERS

3 TYPICAL MANUAL VOLUME DAMPER LOCATION DIAGRAM

NO SCALE



NOTES

1. FLEX DUCT WITH G.I. COLLAR EACH END MAX LENGTH 5'-0". SEE PLAN FOR SIZE.
2. 2" WIDE x 22 GA. HANGER STRAP.
3. CONTRACTOR TO CONNECT FLEX DUCT COLLAR TO PLENUM. COLLAR W/ (3) #10 SMS CANVAS AND ARABOL JOINT.
4. 12 GA. WIRE.
5. 1" x 3"L 16 GA. BENT CLIP SECURED TO CD/RG W/ #10 SMS TYP. (2) EACH CD/RG AT DIAGONALLY.
6. AIR DISTRIBUTION
7. WHERE CD/RG INSTALLED IN T-BAR CEILING 24"x24" FILLER PANEL.
8. GI. PLENUM SECURE TO CD/RG WITH (4) #10 SMS TYP.
9. ENGINEER APPROVED ALTERNATE CONNECTION.
10. LONG RADIUS TURN - NO KINKS.
11. CONNECT TO RIGID DUCT W/ (3) #10 SMS CANVAS AND ARABOL.

1 AIR DISTRIBUTION RESTRAINT

NO SCALE

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

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

OWNER: TRI-CITY MEDICAL CENTER, 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:	DATE:
1	OSHPD COMMENTS	10-09-17
2	DESIGN CHANGES	10-09-17
3	OSHPD COMMENTS	12-11-17
4	DESIGN CHANGES	12-11-17
5	OSHPD COMMENTS	5-15-18
6	DESIGN CHANGES	6-05-18

CONSULTANT:

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

OSHPD APPROVAL STAMP:

OSHPD #: S171641-37-00

SHEET TITLE:

DETAILS

PROJECT TITLE:
TCMC USP 800

PROJECT #: 01667.00

DRAWN BY: ED

CHECKED BY: SJ

SCALE:

DATE: 07/31/17

SHEET NUMBER: M6-10

100% CONSTRUCTION DOCUMENT

GENERAL NOTES:

1. DUCT TRAVERSES SHALL BE TAKEN PRIOR TO THE COMMENCEMENT OF ANY WORK. RESULTS SHALL BE TURNED OVER TO MECHANICAL ENGINEER FOR EVALUATION PRIOR TO ANY WORK.
2 CONDITIONS SHOWN ON DRAWINGS ARE BASED ON REVIEW OF AVAILABLE AS-BUILT DRAWINGS AND FIELD INVESTIGATIONS TO THE EXTENT POSSIBLE. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS. ANY DISCREPENCIES DISCOVERED SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT, ENGINEER AND OWNERS REPRESENTATIVE PRIOR TO THE COMMENCEMENT OF ANY WORK.

NOTES

1 REMOVE (E) CAV AND ITS ASSOCIATED APPURTENANCES.

2 REMOVE (E) THERMOSTAT.

3 (E) THERMOSTAT TO REMAIN.

4 PRIOR TO COMMENCEMENT OF ANY WORK, A DUCT TRAVERSE SHALL BE PERFORMED AT MAIN SUPPLY AND RETURN DUCTS TO DOCUMENT AIRFLOW PRIOR TO CONSTRUCTION. PROVIDE MANUAL BALANCING DAMPER AT TRAVERSE LOCATION TO ALLOW BALANCING TO "PRE-READ" AIR QUANTITY.

5 PRE-CONSTRUCTION AIR READS HAVE BEEN TAKEN AS OF 05/04/17.

6 POINT OF DISCONNECT FOR (E) 8"Ø EXHAUST AIR DUCT FROM (E) EXHAUST DUCT. REMOVE (E) 8"Ø EXHAUST AIR DUCT THROUGH EXHAUST HOOD ON ROOF.

7 POINT OF DISCONNECT FOR (E) 8"Ø EXHAUST AIR DUCT FROM (E) EF-4.

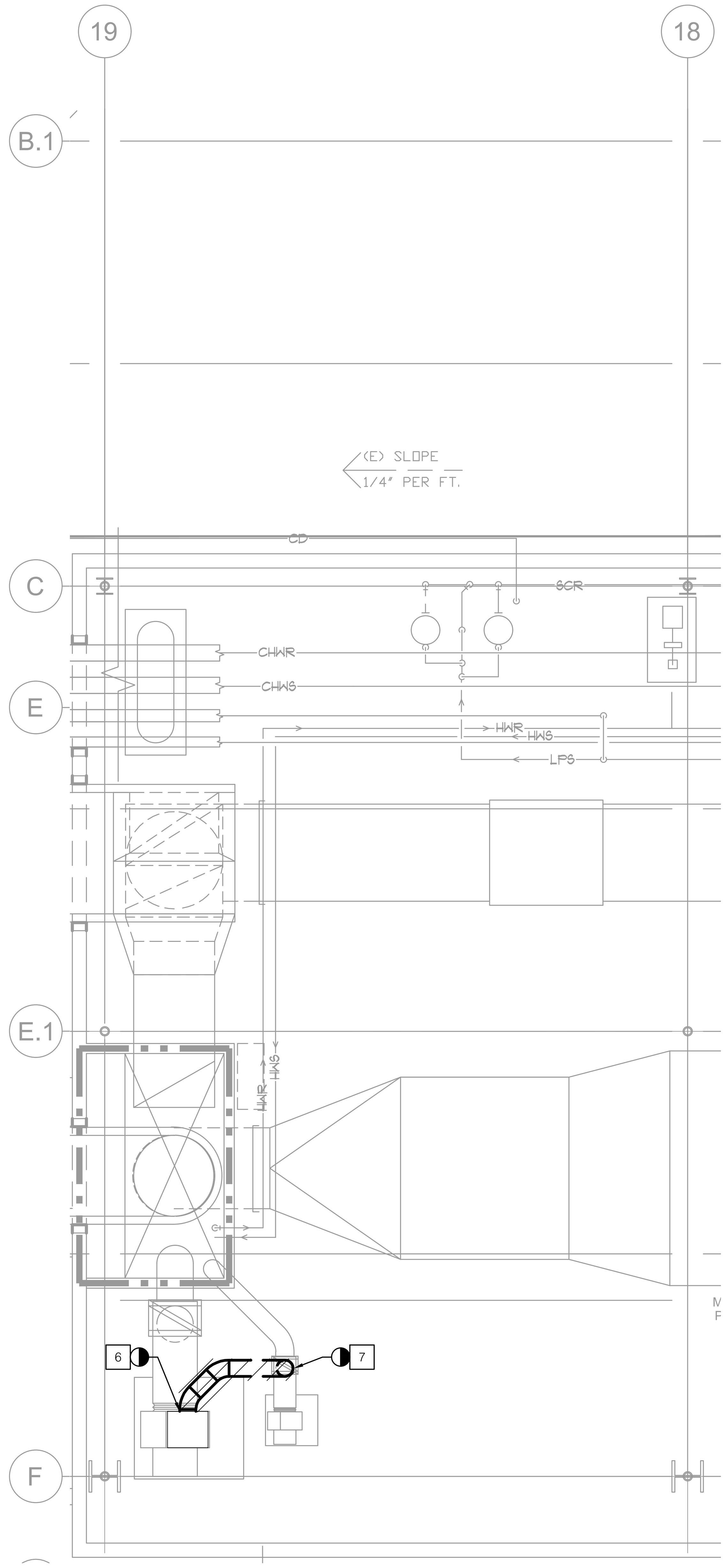
8 (E) BSC HOOD: 310 CFM PER PRE-CONSTRUCTION AIR READS TAKEN AS OF 5/04/17.

9 (E) 8" Ø EXHAUST AIR DUCT UP TO (E) EF-4 IN SHAFT TO REMAIN.

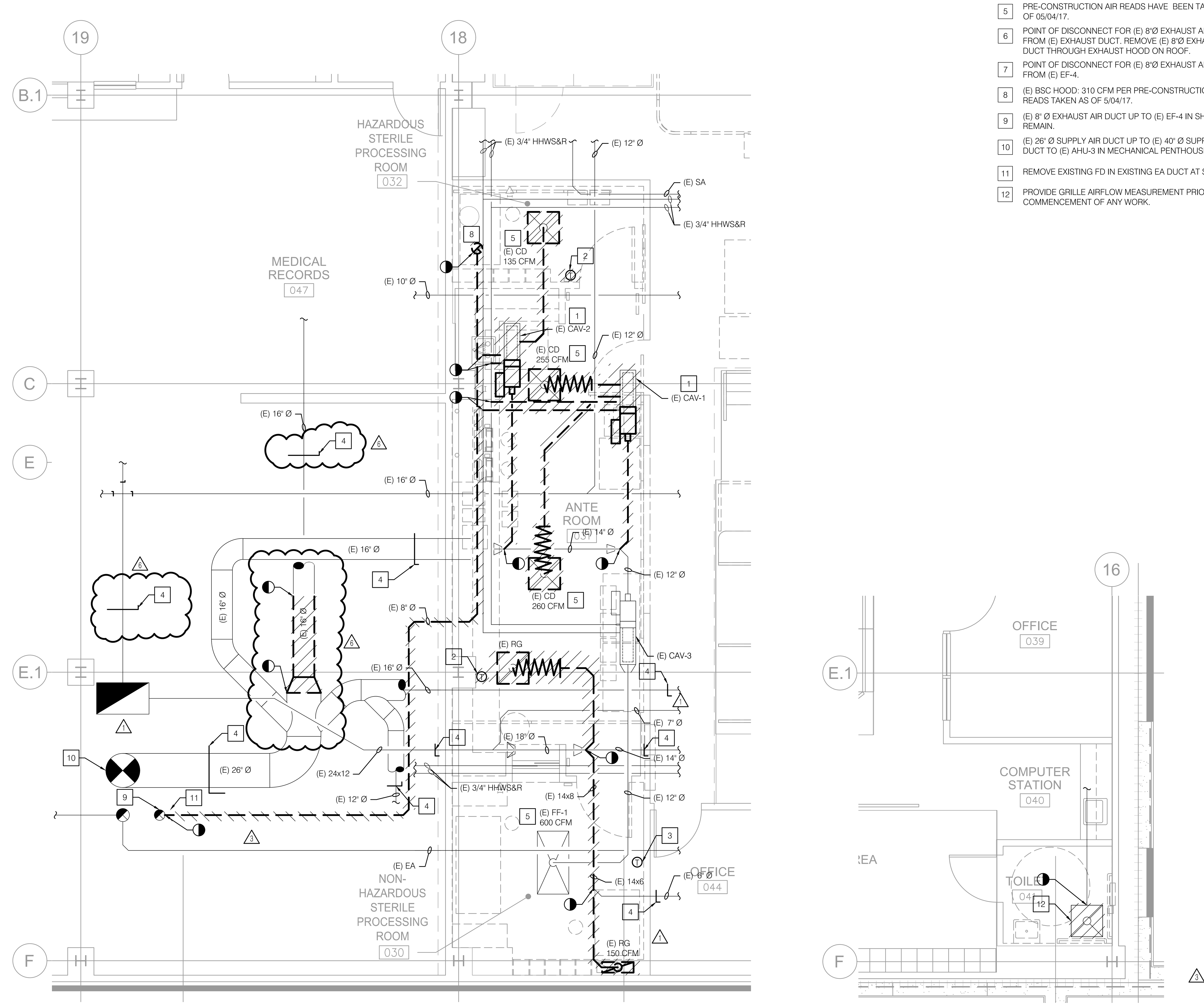
10 (E) 26" Ø SUPPLY AIR DUCT UP TO (E) 40" Ø SUPPLY AIR DUCT TO (E) AHU-3 IN MECHANICAL PENTHOUSE. 3

11 REMOVE EXISTING FD IN EXISTING EA DUCT AT SHAFT.

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

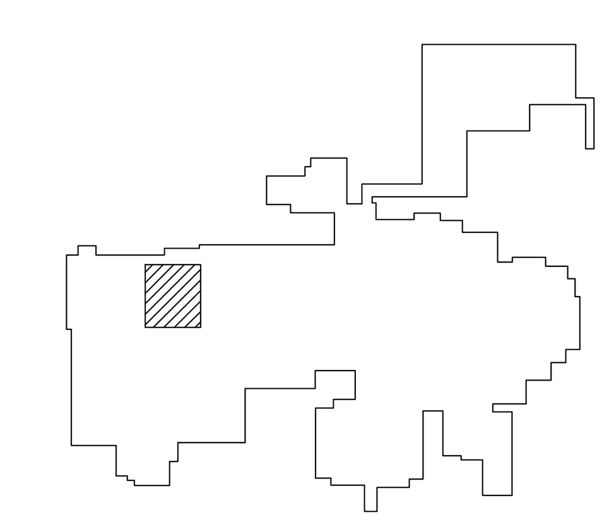


2 DEMOLITION ROOF PLAN
SCALE: 1/4" = 1'-0"



1 DEMOLITION FIRST FLOOR PLAN
SCALE: 1/4" = 1'-0"

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



KEY PLAN

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

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

OWNER: TRI-CITY MEDICAL CENTER
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

LICENSED ARCHITECT JOSEPH MICHEL SFEIR No. C28543 REN. 1-31-19 STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER PAUL A. LUSTER No. M29400 07/31/17 MECHANICAL STATE OF CALIFORNIA

REV:	DESCRIPTION:	DATE:
1	OSHPD COMMENTS	10-09-17
2	DESIGN CHANGES	10-09-17
3	OSHPD COMMENTS	12-11-17
4	DESIGN CHANGES	12-11-17
5	OSHPD COMMENTS	5-15-18
6	DESIGN CHANGES	6-05-18

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

OSHPD APPROVAL STAMP:
OSHPD #: S171641-37-00

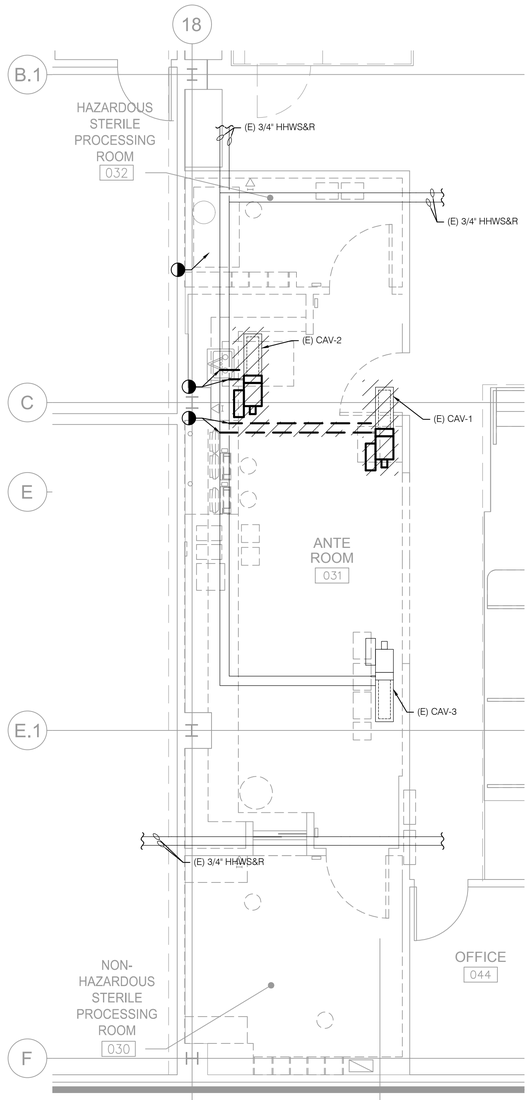
SHEET TITLE:
PARTIAL DEMOLITION FIRST FLOOR AND ROOF PLAN

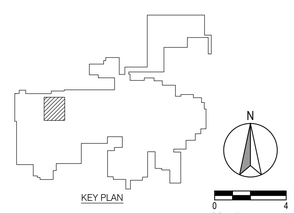
PROJECT TITLE:
TCMC USP 800

PROJECT #: 01667.00
DRAWN BY: ED
CHECKED BY: SJ
SCALE:
DATE: 07/31/17

SHEET NUMBER:
MD2-10

100% CONSTRUCTION DOCUMENT





SFEIR 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

OWNER: TRI-CITY MEDICAL CENTER
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

LICENSED ARCHITECT JOSEPH MICHAEL SFEIR No. C28543 REN. 1-30-19 STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER JUSTIN A. PUSTER No. M36400 07/31/17 MECHANICAL STATE OF CALIFORNIA

1	1	OSHPD COMMENTS	10-09-17
2	2	DESIGN CHANGES	10-09-17
3	3	OSHPD COMMENTS	12-11-17
4	4	DESIGN CHANGES	12-11-17
5	5	OSHPD COMMENTS	5-15-18
6	6	DESIGN CHANGES	6-05-18

REV: DESCRIPTION: DATE:

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

OSHPD APPROVAL STAMP:

OSHPD #: S171641-37-00

SHEET TITLE:
PARTIAL DEMOLITION HEATING HOT WATER FLOOR PLAN

PROJECT TITLE:
TCMC USP 800

PROJECT #: **01667.00**
DRAWN BY: ED
CHECKED BY: SJ
SCALE:
DATE: **07/31/17**

SHEET NUMBER:
MD2-11
OF

100% CONSTRUCTION DOCUMENT

LEGEND

SYMBOL	DESCRIPTION
	NOTE CALLOUT
	DETAIL CALLOUT - NUMBER ON TOP DENOTES DETAIL NUMBER - NUMBER ON BOTTOM DENOTES SHEET DETAIL IS SHOWN
	MECHANICAL EQUIPMENT CALLOUT, SEE MECHANICAL PLANS FOR EXACT LOCATION AND REQUIREMENTS
	POINT OF CONNECTION
	POINT OF DISCONNECTION
	EXISTING PIPE/EQUIPMENT
	DEMOLISHED PIPE/EQUIPMENT
IW	INDIRECT WASTE
	SANITARY SEWER/WASTE UNDERGROUND
	SANITARY SEWER/WASTE ABOVEGROUND
	SANITARY VENT
	DOMESTIC HOT WATER RETURN
	DOMESTIC HOT WATER SUPPLY
	DOMESTIC COLD WATER
SD	STORM DRAIN PIPING
SCW	SOFT COLD WATER
CD	CONDENSATE DRAIN
	ELBOW DOWN
	PIPE TEE UP & DOWN OR ELBOW UP
	PIPE TEE DOWN
	PIPE TEE UP

SYMBOL	DESCRIPTION
	GATE VALVE
	BALL VALVE
	HOSE BIBB
	FLOOR DRAIN
	FLOOR SINK, 1/2 GRATE
	FLOOR CLEANOUT
	CLEANOUT TO GRADE
	WALL CLEANOUT
	WATER HAMMER ARRESTOR
	TRAP PRIMER

ABBREVIATIONS

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

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

GENERAL NOTES

1. 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 PRIOR TO BID.
3. WHERE USED, THE TERM "PROVIDE" SHALL MEAN "FURNISH AND INSTALL".
4. IN THE EVENT OF A CONFLICT OR INCONSISTENCY BETWEEN ITEMS INDICATED ON DESIGN PLANS / SPECIFICATIONS WITH CODE REQUIREMENTS, THE MORE STRINGENT STANDARD SHALL PREVAIL.
5. CONTRACTOR SHALL FURNISH LABOR, MATERIALS, EQUIPMENT, AND TRANSPORTATION AS REQUIRED TO PROPERLY INSTALL ALL PLUMBING SYSTEMS OR RELATED COMPONENTS AS INDICATED ON PLANS AND SPECIFIED HEREIN.
6. ALL NEW EQUIPMENT AND MATERIAL TO BE INSTALLED AS PART OF RENOVATION / NEW CONSTRUCTION SHALL BEAR AN UNDERWRITERS LABORATORIES LABEL (UL), AND INSTALLED IN SUCH A MANNER FOR WHICH THEY ARE DESIGNED AND APPROVED.
7. CONTRACTOR SHALL DOCUMENT AND RELAY ANY MAJOR DEVIATIONS FROM THE DESIGN DOCUMENTS, AND ATTAIN APPROVAL FROM THE MECHANICAL ENGINEER BEFORE PROCEEDING. AS-BUILT COPIES SHALL BE PROVIDED INDICATING ALL CHANGES / DEVIATIONS MADE DURING CONSTRUCTION. CONTRACTOR SHALL PROVIDE COMPLETED AS-BUILT DRAWINGS IN THE LATEST VERSION OF AUTOCAD.
8. ALL WORK SHALL BE PERFORMED IN A CLEAN AND WORKMANLIKE MANNER. CARE SHALL BE EXERCISED TO MINIMIZE ANY INCONVENIENCE OR DISTURBANCE TO OTHER AREAS OF THE BUILDING WHICH ARE TO REMAIN IN OPERATION. ISOLATE WORK AREAS BY MEANS TO KEEP DUST AND DIRT WITHIN THE CONSTRUCTION AREA.
9. NO PIPING, EQUIPMENT, ETC. SHALL BE REMOVED, DISCONNECTED OR SHUT DOWN WITHOUT PRIOR REVIEW WITH THE COLLEGE TO CONFIRM THAT AREAS TO REMAIN IN OPERATION WILL NOT BE AFFECTED. IF ANY AREAS NOT WITHIN THE SCOPE OF WORK ARE AFFECTED BY ANY SHUTDOWN, REMOVAL OR DISCONNECTION, SUFFICIENT ADVANCE NOTICE MUST BE GIVEN TO THE COLLEGE INDICATING WHICH AREAS WILL BE AFFECTED, WHEN THE PROPOSED SHUTDOWN WILL OCCUR, AND FOR HOW LONG A PERIOD OF TIME.
10. THE ARRANGEMENT OF EQUIPMENT AND PIPING SHOWN ON THE DRAWINGS IS BASED UPON INFORMATION AVAILABLE TO THE ENGINEER AT THE TIME OF DESIGN AND IS NOT INTENDED TO SHOW EXACT DIMENSIONS 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 ADDITIONS.
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 MANUFACTURERS 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.
21. ISOLATE AND DRAIN EXISTING PIPING SYSTEM AS REQUIRED TO ACCOMMODATE INSTALLATION OF THE WORK.
22. UNIONS SHALL BE PROVIDED AND INSTALLED AFTER EACH SCREW-TYPE VALVE AND PRIOR TO EQUIPMENT CONNECTIONS.
23. EQUIPMENT ANCHORAGE NOTES:

    ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE OSHPD APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2016 CBC, SECTION 1616A. AND ASCE 7-10 CHAPTER 6 AND 30. △1

    A. ALL PERMANENT EQUIPMENT AND COMPONENTS.

    B. TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.

    C. MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.

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

    A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.

    B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

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

    PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-10 SECTION 13.3 AS DEFINED IN ASCE 7-10 SECTION 13.6.8, 13.6.7, 13.6.5.6 ITEM 6, AND 2016 CBC SECTIONS 1616A. △1

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

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

    THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.
25. PLUMBING FIXTURES AND FAUCETS SHALL BE CERTIFIED BY THE STATE OF CALIFORNIA ENERGY COMMISSION AS REQUIRED BY THE CALIFORNIA ENERGY EFFICIENCY STANDARDS SECTION S-5314 AND TABLE "G".
26. ALL SOIL, WASTE, STORM DRAIN AND VENT PIPING SHALL SLOPE AT 2% UNLESS OTHERWISE INDICATED.
27. PIPING THROUGH FIRE RATED WALLS SHALL BE PER U.L. FIRE RESISTANCE SYSTEM NO. W1001. SEE ARCHITECTURAL PLANS FOR ALL WALL LOCATIONS.
28. REFER TO THE SPECIFICATIONS BOOK FOR ADDITIONAL REQUIREMENTS.
29. ALL CLEANOUTS SHALL BE INSTALLED WHERE READILY ACCESSIBLE. THE CONTRACTOR SHALL COORDINATE ALL CLEANOUT LOCATIONS WITH EQUIPMENT, CABINETS, ETC. AND THE ARCHITECT PRIOR TO ANY INSTALLATION.
30. KEEP ALL PIPING FROM LOAD BEARING FOOTINGS. IF UNABLE TO CLEAR FOOTINGS OR GRADE BEAMS, INSTALL PIPING THROUGH PIPE SLEEVES.
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. △1
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. △1 △1
33. ALL VALVES, TRAP PRIMERS, WATER HAMMER ARRESTERS OR OTHER EQUIPMENT SHOWN IN WALLS OR ABOVE NON-ACCESSIBLE CEILINGS SHALL BE INSTALLED BEHIND AN ACCESS PANEL.
34. ALL VENT THROUGH ROOF SHALL BE MINIMUM OF 3 FEET VERTICALLY AND 10 FEET HORIZONTALLY FROM ANY AIR CONDITIONING EQUIPMENT FRESH AIR INTAKES.
35. VERIFY WITH ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF ALL FLOOR DRAINS, ROOF, OVERFLOW DRAINS AND FLOOR SINKS.
36. FIXTURES SHALL BE PROTECTED DURING CONSTRUCTION FROM ANY DAMAGES. REFINISHED FIXTURES WILL NOT BE ACCEPTABLE UNDER ANY CONDITIONS.
37. HOSE BIB WITH VACUUM BREAKER SHALL BE PROVIDED UNDER LAVATORY IN EACH PUBLIC RESTROOM.
38. INSULATE INDIRECT DRAIN LINES FROM REFRIGERATORS, FREEZERS, ICE MAKER AND ICE BINS WITH MANVILLE AERO-TUBE OR EQUAL TO PREVENT CONDENSATE DRIPS.
39. INSULATE WASTE PIPE AND P-TRAP FROM FLOOR SINK, FLOOR DRAINS OR FUNNEL DRAINS COLLECTING INDIRECT DRAINS FROM REFRIGERATORS, FREEZERS, ICE MAKER AND ICE BINS TO PREVENT CONDENSATE DRIPS. INSULATE WASTE PIPE UP TO THE NEXT 3" OR 4" MAIN CONNECTION.
40. PROVIDE AND INSTALL GAS COCKS AND UNION AT EACH GAS FIRED EQUIPMENT.
41. PROVIDE AND INSTALL CHROME ANGLE VALVES ON HOT AND COLD WATER SUPPLY AT EACH PLUMBING FIXTURES.
42. ALL WATER FAUCETS SHALL BE PROVIDED WITH CODE APPROVED FLOW RESTRICTORS.
43. COVER ALL FLOOR DRAINS, FLOOR SINKS, ROOF AND OVERFLOW DRAINS DURING CONSTRUCTIONS TO PREVENT DEBRIS FROM ENTERING PIPE AND PROTECT GRATES FROM DAMAGES.
44. COORDINATE WITH ELECTRICAL CONTRACTOR PRIOR TO ORDERING EQUIPMENT FOR AVAILABLE VOLTAGES AT ALL EQUIPMENT LOCATIONS.
45. COORDINATE WITH ELECTRICAL CONTRACTOR FOR ALL TAMPER AND FLOW SWITCH LOCATIONS.
46. BECAUSE OF THE SMALL SCALE DRAWINGS, IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, FITTINGS AND ACCESSORIES WHICH MAY BE REQUIRED. THE CONTRACTOR SHALL CAREFULLY INVESTIGATE THE CONDITIONS SURROUNDING INSTALLATION OF HIS WORK, FURNISHING THE NECESSARY PIPING, FITTINGS, VALVES, TRAPS, AND OTHER DEVICES WHICH MAY BE REQUIRED TO COMPLETE THE INSTALLATION.
47. UNLESS SPECIFIED ON STRUCTURAL DRAWINGS, ANY ALTERATION OR MODIFICATIONS TO STRUCTURAL ELEMENTS BY CUTTING, DRILLING, BORING, BRACING, WELDING ETC. SHALL HAVE WRITTEN APPROVAL STRUCTURAL ENGINEER PRIOR TO START WORK.
48. ITEMS NOT SHOWN IN THE DRAWINGS BUT NECESSARY FOR COMPLETE OPERATION OF THE SYSTEM/FIXTURES/EQUIPMENT OR FOR COMPLETE CODE INSTALLATION SHALL BE PROVIDED AT NO ADDED COST TO THE OWNER.
49. DIELECTRIC UNION ISOLATOR WITH THREADED CONNECTIONS SHALL BE PROVIDED FOR CONNECTING INCOMPATIBLE MATERIALS.
50. ALL PLUMBING FIXTURES SHALL BE APPROVED BY OWNER PRIOR TO ORDERING.
51. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION OF ALL EXISTING UTILITIES TO WHERE HE IS TO CONNECT PRIOR TO INSTALLATION OF ANY PIPING. EXTEND NEW PIPING IF NECESSARY TO WHERE THE EXISTING IS.
52. ALL CONNECTIONS TO EXISTING SERVICES SHALL BE MADE SUCH THAT INTERRUPTION TIME WILL BE AS SHORT AS POSSIBLE. THE CONTRACTOR SHALL GIVE THE OWNER'S REPRESENTATIVE 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. △1 △1
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: △1

    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. △1 △1
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.

SHEET INDEX

MECHANICAL PIPE AND DUCT SYSTEM SEISMIC SUPPORT NOTES

MECHANICAL & PLUMBING:

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.

SFEIR 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

OWNER: TRI-CITY MEDICAL CENTER
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

LICENSED ARCHITECT JOSEPH MICHAEL SFEIR No. C 28543 REN. 1-31-19 STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER MECHANICAL STATE OF CALIFORNIA No. M36400 07/31/17

REV:	DESCRIPTION:	DATE:
1	OSHPD COMMENTS	10-09-17
2	DESIGN CHANGES	10-09-17
3	OSHPD COMMENTS	12-11-17
4	DESIGN CHANGES	12-11-17
5	OSHPD COMMENTS	5-15-18
6	DESIGN CHANGES	6-05-18

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

OSHPD APPROVAL STAMP:

OSHPD #: S171641-37-00

SHEET TITLE:
GENERAL NOTES, LEGEND, SYMBOLS, AND SHEET INDEX

PROJECT TITLE:
TCMC USP 800

PROJECT #: 01667.00
DRAWN BY: ED
CHECKED BY: SJ
SCALE:
DATE: 07/31/17

SHEET NUMBER:
P0-01
OF

100% CONSTRUCTION DOCUMENT

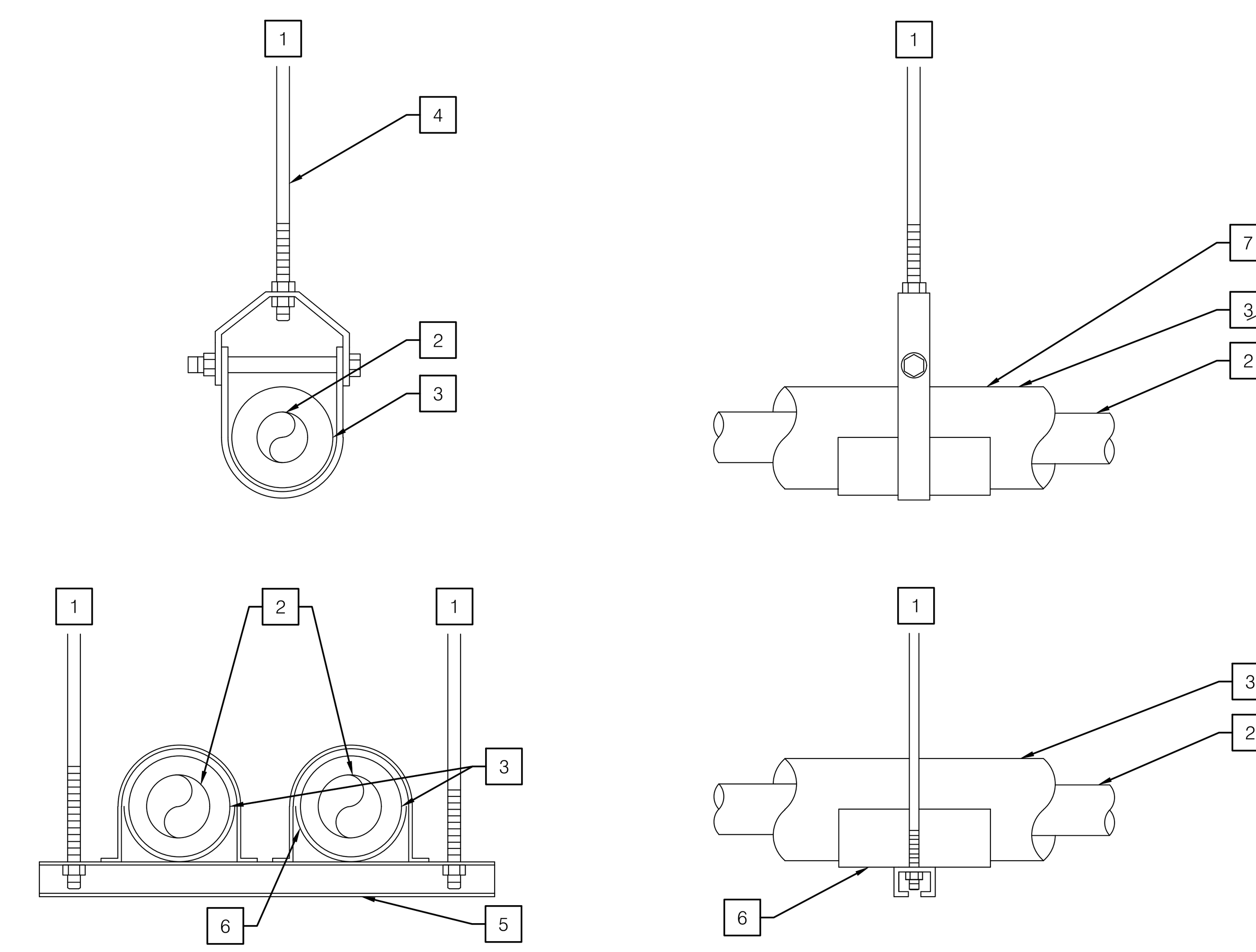
FIXTURE SCHEDULE

MARK	FIXTURE	CW	HW	S OR W	V	REMARKS
S-1	HAND SINK	1/2"	1/2"	2"	1-1/2" 6	CUSTOM STAINLESS STEEL HAND SCRUBBING SINK. SEE ARCHITECTURAL DRAWINGS. PROVIDE WITH CHICAGO FAUCET #201-AGN10ASE33-317AB (2.2 GPM), LOOSE KEY STOPS AND RIGID SUPPLIES, AND P-TRAP.
EEW	EMERGENCY EYE / FACE WASH	1"	1/2"	6 -	-	HAWS "AXION MSR SINK MOUNT EYE/FACE WASH" 7610 WITH THERMOSTATIC MIXING VALVE. 3
T/EEW-1	TEMPORARY EMERGENCY EYE / FACE WASH	-	-	-	-	HAWS 15 GAL PRESSURIZED EMERGENCY EYEWASH 7603. 3
T/S-1	TEMPORARY HAND SINK	-	-	-	-	POLY PORTABLE TWIN FREE-STANDING HAND WASH STATION-PPST-05 45 GAL FRESH & 45 GAL GRAY HOLDING TANKS

NOTE: ALL FIXTURES SHALL BE PROVIDED WITH MINIMUM ROUGH-IN CONNECTIONS AS INDICATED IN THIS SCHEDULE OR PER MANUFACTURERS RECOMMENDATIONS. THE PLUMBING CONTRACTOR SHALL RUN ALL SERVICE LINES, ROUGH-IN AND MAKE FINAL CONNECTIONS TO ALL FIXTURES. PLUMBING CONTRACTOR SHALL FURNISH AND SHALL ALL TRIMS, FLUSH VALVES, TAILPIECES, STRAINERS, P-TRAPS, TRAP ARMS, HOT & COLD WATER STOPS AND FAUCETS AS REQUIRED.

PIPE SCHEDULE

SERVICE	LOCATION	MATERIALS
DOMESTIC WATER	COLD WATER	TYPE "L" COPPER TUBING W/ WROUGHT COPPER SWEAT FITTINGS.
	HOT WATER	SAME AS ABOVE W/ 1" THICK MINERAL FIBER, PREFORMED PIPE INSULATION FOR NPS 1-1/4" AND SMALLER. USE 1-1/2" THICK FOR NPS 1-1/2" AND LARGER.
SANITARY WASTE	ABOVE GRADE	NO-HUB CAST IRON BY "AB&I, TYLER OR CHARLOTTE", LISTED WITH C.I.S.P.I. AND SHALL COMPLY WITH STANDARD 301, HEAVY-DUTY STAINLESS STEEL FOUR BAND COUPLINGS ASTM C 1277.
	BELOW GRADE	NO-HUB CAST IRON BY "AB&I, TYLER OR CHARLOTTE", LISTED WITH C.I.S.P.I. AND SHALL COMPLY WITH STANDARD 301, HEAVY-DUTY STAINLESS STEEL FOUR BAND COUPLINGS ASTM C 1277.
SANITARY VENT	CONCEALED	NO-HUB CAST IRON BY "AB&I, TYLER OR CHARLOTTE", LISTED WITH C.I.S.P.I. AND SHALL COMPLY WITH STANDARD 301, HEAVY-DUTY STAINLESS STEEL FOUR BAND COUPLINGS ASTM C 1277.
	EXPOSED	NO-HUB CAST IRON BY "AB&I, TYLER OR CHARLOTTE", LISTED WITH C.I.S.P.I. AND SHALL COMPLY WITH STANDARD 301, HEAVY-DUTY STAINLESS STEEL FOUR BAND COUPLINGS ASTM C 1277.



NOTES

1. ATTACH SUPPORTS TO STRUCTURE.
2. PIPE.
3. INSULATION WHERE REQ'D.
4. 3/8" HANGER ROD (TYP).
5. UNISTRUT CHANNEL
6. 20 GA. GALV. IRON SHEET SHIELD (12" LONG).
7. PROVIDE A SECTION OF HIGH COMPRESSION STRENGTH INSULATION AT EACH HANGER POINT. INSULATION MAY BE HALF ROUND OR FULL ROUND & EXTENDED 2" BEYOND GALV. SHIELD EA. WAY.

1 PIPE HANGER

NO SCALE

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

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

OWNER: TRI-CITY MEDICAL CENTER, 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

LICENSED ARCHITECT — JOSEPH MICHEL SFEIR — No. C 28543 — REN. 1-31-19 — STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER — PAUL A. LUSTER — No. M29400 — 07/31/17 — MECHANICAL — STATE OF CALIFORNIA

REV:	DESCRIPTION:	DATE:
1	OSHPD COMMENTS	10-09-17
2	DESIGN CHANGES	10-09-17
3	OSHPD COMMENTS	12-11-17
4	DESIGN CHANGES	12-11-17
5	OSHPD COMMENTS	5-15-18
6	DESIGN CHANGES	6-05-18

CONSULTANT:
p2s P2S Engineering, Inc.
9665 Chesapeake Dr., Suite #230
San Diego, CA 92123
T 619.618.2347 F 619.330.0668
www.p2seng.com

OSHPD APPROVAL STAMP:
OSHPD #: S171641-37-00

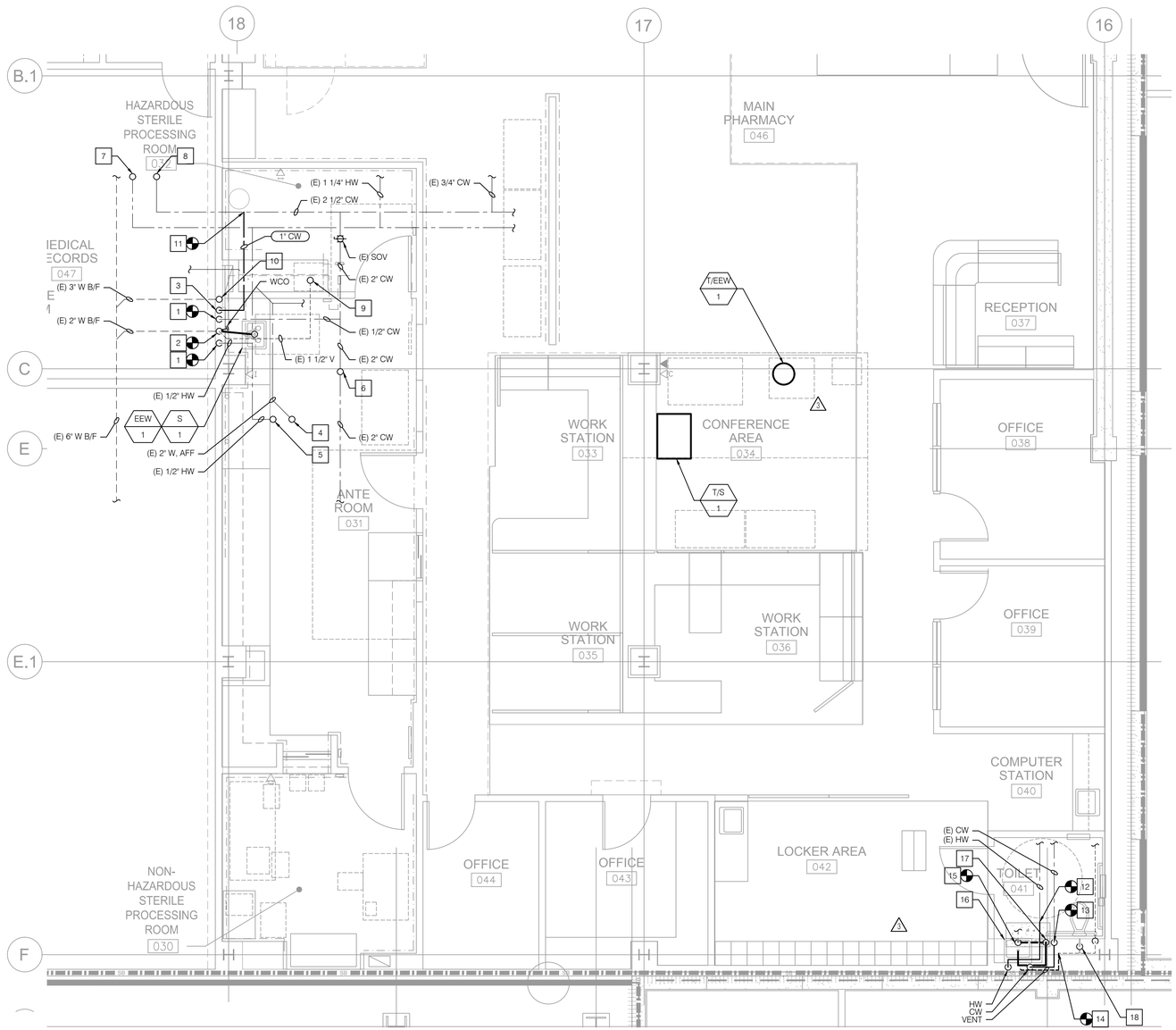
SHEET TITLE:
SCHEDULES AND DETAILS

PROJECT TITLE:
TCMC USP 800

PROJECT #: 01667.00
DRAWN BY: ED
CHECKED BY: SJ
SCALE:
DATE: 07/31/17

SHEET NUMBER:
P0-02
OF

100% CONSTRUCTION DOCUMENT

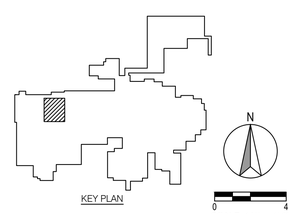


GENERAL NOTES

1. CONTRACTOR TO VERIFY INVERT ELEVATION OF SINK WASTE LINE POC PRIOR TO THE DEMOLITION, PROCUREMENT, AND/OR FABRICATION OF ANY MATERIALS OR COMPONENTS.

NOTES

1. POC 1/2" CW AND HW TO (E) 1/2" CW AND HW.
2. POC 2" W TO (E) 2" W.
3. 1" CW DN & 1/2" HW CONNECTION TO THERMOSTATIC MIXING VALVE FOR EMERGENCY EYE WASH.
4. (E) 2" W UP.
5. (E) 1/2" HW UP.
6. (E) 2" CW UP.
7. (E) 1/2" HW.
8. (E) 1/2" CW UP.
9. (E) 1 1/2" V UP.
10. (E) 3" W UP.
11. POC 1" CW TO (E) 2 1/2" CW.
12. POC AT HW LINE.
13. POC AT CW LINE.
14. POC TO (E) VENT.
15. POC TO (E) WASTE LINE.
16. EXISTING SINK RELOCATED TO NEW POSITION.
17. 1-1/2" WASTE DOWN THROUGH SLAB.
18. (E) WATER CLOSET WASTE DOWN THROUGH SLAB.



SFEIR 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

OWNER: TRI-CITY MEDICAL CENTER
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

LICENSED ARCHITECT JOSEPH MICHAEL SFEIR No. C 28543 REN. 1-30-19 STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER JUSTIN A. PUFF No. M36400 07/31/17 MECHANICAL STATE OF CALIFORNIA

REV:	DESCRIPTION:	DATE:
1	OSHPD COMMENTS	10-09-17
2	DESIGN CHANGES	10-09-17
3	OSHPD COMMENTS	12-11-17
4	DESIGN CHANGES	12-11-17
5	OSHPD COMMENTS	5-15-18
6	DESIGN CHANGES	6-05-18

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

OSHPD APPROVAL STAMP:

OSHPD #: S171641-37-00

SHEET TITLE:
PARTIAL RENOVATION FLOOR PLAN

PROJECT TITLE:
TCMC USP 800

PROJECT #: 01667.00
DRAWN BY: ED
CHECKED BY: SJ
SCALE:
DATE: 07/31/17

SHEET NUMBER:
P2-10
OF

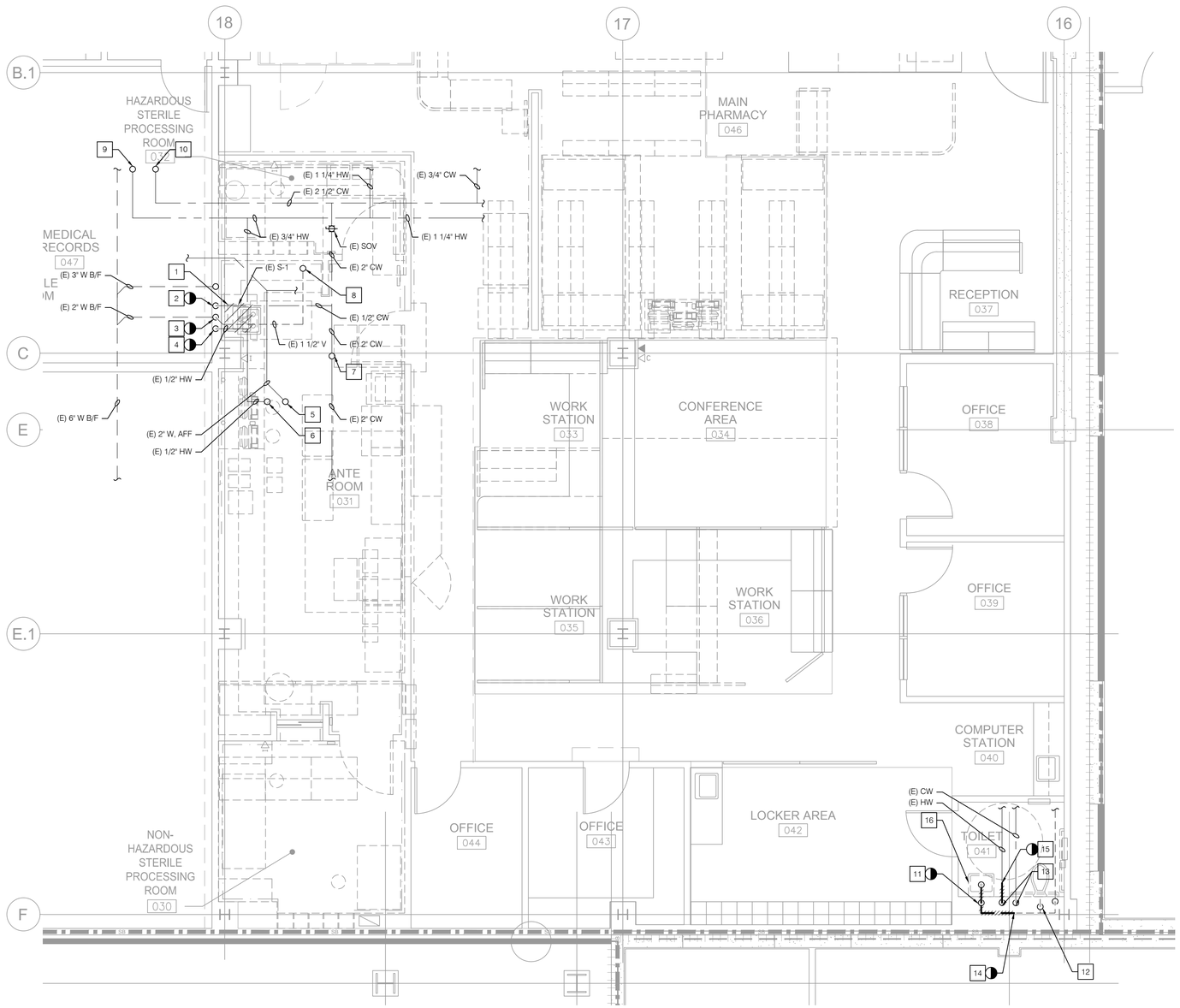
100% CONSTRUCTION DOCUMENT

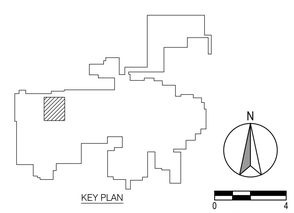
GENERAL NOTES

1. CONDITION SHOWN ON DRAWINGS ARE BASED ON REVIEW OF AVAILABLE AS-BUILT DRAWINGS AND FIELD INVESTIGATIONS TO THE EXTENT POSSIBLE. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS. ANY DISCREPENCIES DISCOVERED SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT, ENGINEER AND OWNERS REPRESENTATIVE PRIOR TO THE COMMENCEMENT OF ANY WORK.

NOTES

1. REMOVE (E) SINK AND ITS ASSOCIATED APPURTENANCES.
2. REMOVE (E) 1/2" CW FROM SINK TO PIPE IN WALL.
3. REMOVE (E) 2" W FROM SINK TO PIPE IN WALL.
4. REMOVE (E) 1/2" HW FROM SINK TO PIPE IN WALL.
5. (E) 2" W UP TO (E) SH.
6. (E) 1/2" HW UP.
7. (E) 2" CW UP.
8. (E) 1 1/2" V UP.
9. (E) 1/2" HW UP.
10. (E) 1/2" CW UP.
11. (E) SINK WASTE DOWN THROUGH SLAB. CONTRACTOR TO VERIFY THE SIZE OF (E) SINK WASTE PRIOR TO THE DEMOLITION OR PROCUREMENT OF ANY MATERIALS OR COMPONENTS.
12. (E) WATER CLOSET WASTE DOWN THROUGH SLAB.
13. (E) CW DOWN WALL TO LAV AND WATER CLOSET AND HW DOWN TO LAV CONTRACTOR TO VERIFY SIZE OF ALL UTILITIES PRIOR TO THE DEMOLITION, PROCUREMENT AND/OR FABRICATION OF ANY MATERIALS OR COMPONENTS.
14. POD AT EXISTING VENT. CONTRACTOR TO VERIFY THE SIZE OF (E) SINK VENT PRIOR TO THE DEMOLITION OR PROCUREMENT OF ANY MATERIALS OR COMPONENTS.
15. POD AT EXISTING HW LINE. CONTRACTOR TO VERIFY THE SIZE OF (E) HW LINE PRIOR TO THE DEMOLITION OR PROCUREMENT OF ANY MATERIALS OR COMPONENTS.
16. (E) FIXTURE TO BE REMOVED DURING DEMOLITION IN PREPARATION FOR RE-USE. CONTRACTOR TO STORE AND PROTECT (E) SINK DURING CONSTRUCTION.
17. PRESERVE & PROTECT THE (E) WATER CLOSET DURING DEMOLITION.





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

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

OWNER: TRI-CITY MEDICAL CENTER
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

LICENSED ARCHITECT JOSEPH MICHAEL SFEIR No. C28543 REN. 1-31-19 STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER JUSTIN A. PUFF No. M36400 07/31/17 MECHANICAL STATE OF CALIFORNIA

REV:	DESCRIPTION:	DATE:
1	OSHPD COMMENTS	10-09-17
2	DESIGN CHANGES	10-09-17
3	OSHPD COMMENTS	12-11-17
4	DESIGN CHANGES	12-11-17
5	OSHPD COMMENTS	5-15-18
6	DESIGN CHANGES	6-05-18

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

OSHPD APPROVAL STAMP:

OSHPD #: S171641-37-00

SHEET TITLE:
PARTIAL DEMOLITION FLOOR PLAN

PROJECT TITLE:
TCMC USP 800

PROJECT #: **01667.00**
DRAWN BY: ED
CHECKED BY: SJ
SCALE:
DATE: **07/31/17**

SHEET NUMBER:
PD2-10
OF

100% CONSTRUCTION DOCUMENT

LEGEND

SYMBOL	DESCRIPTION
☐ -	NOTE CALLOUT
──	NEW LINEWORK
──	EXISTING LINEWORK
━━	CONDUIT CONCEALED IN WALL OR ABOVE CEILING
━ · ━ · ━	CONDUIT EXPOSED
━ ━ ━ ━	CONDUIT & WIRE TO BE DEMOLISHED
──]	CONDUIT CAPPED
A-1 ──▶	BRANCH CIRCUIT HOMERUN TO PANELBOARD AND CIRCUITS AS INDICATED
── E ──	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
S	SINGLE POLE SWITCH, DEVICE SHALL BE MOUNTED +48" MAX AND +36" MIN FROM THE CENTER OF DEVICE:
Ⓙ	JUNCTION BOX
⦶	DUPLEX - WALL +18" A.F.F.
⦶	DUPLEX - WALL +18" A.F.F. (CONNECT TO EMERGENCY GENERATOR)
Ⓙ	JUNCTION BOX - WALL
▬	PANELBOARD, 120/208V - RECESSED
▬	PANELBOARD, 120/208V - SURFACE
▨	PANELBOARD, 277/480V - SURFACE

ABBREVIATIONS

ABBREVIATION	DESCRIPTION
A OR AMP	AMPERES
ABV	ABOVE
AFF	ABOVE FINISHED FLOOR
AIC	AMPERE INTERRUPTING CAPACITY
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
C	CONDUIT
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CL	CENTER LINE
CLG	CEILING
C.O.	CONDUIT ONLY WITH PULL WIRE
CSFD	COMBINATION SMOKE FIRE DAMPER
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 LOCATION
(ERR)	EXISTING TO BE REMOVED, RELOCATED AND RECONNECTED
FLA	FULL LOAD AMPS
FLR	FLOOR
FT	FEET
GFI	GROUND FAULT INTERRUPTER
GEC	GROUNDING ELECTRODE CONDUCTOR
GND	GROUND
HP	HORSEPOWER
HT	HEIGHT
HZ	HERTZ
ISC	SHORT CIRCUIT CURRENT
JB	JUNCTION BOX
KCMIL	THOUSAND CIRCULAR MILS
KV	KILOVOLT
KW	KILOWATT
LFMC	LIQUIDTIGHT FLEXIBLE METAL CONDUIT
LOC.	LOCATION
LTG	LIGHTING
MAX	MAXIMUM
MFGR	MANUFACTURER
MTD	MOUNTED
MTG	MOUNTING
N	NORTH
NIC	NOT IN CONTRACT
NO.	NUMBER
P	POLE
PB	PULL BOX
PF	POWER FACTOR
PH OR Ø	PHASE
PNL	PANEL
PVC	POLY-VINYL CHLORIDE
PWR	POWER
(R)	REMOVE
REC/RECEPT	RECEPTACLE
REQ'D	REQUIRED
RGS	RIGID GALVANIZED STEEL
RM	ROOM
SPECS	SPECIFICATIONS
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
TEL./TELE	TELEPHONE
TRANSF/XFMR	TRANSFORMER
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
V	VOLTS
VA	VOLT-AMPERES
W	WATTS
W/	WITH
W/O	WITHOUT
WP	WEATHERPROOF
Z	IMPEDANCE

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

GENERAL NOTES

1. 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.

2. APPLICABLE CODES:

   2015 IBC AND 2016 CALIFORNIA AMENDMENTS
   (2016 CALIFORNIA BUILDING CODE - PART 2, TITLE 24, CCR)
   2014 NEC AND 2016 CALIFORNIA AMENDMENTS
   (2016 CALIFORNIA ELECTRICAL CODE - PART 3, TITLE 24, CCR)
   2015 UMC AND 2016 CALIFORNIA AMENDMENTS
   (2016 CALIFORNIA MECHANICAL CODE - PART 4, TITLE 24, CCR)
   2015 UPC AND 2016 CALIFORNIA AMENDMENTS
   (2016 CALIFORNIA PLUMBING CODE - PART 5, TITLE 24, CCR)-
   (PUBLISHER:IAPMO)
   2015 IFC AND 2016 CALIFORNIA AMENDMENTS
   (2016 CALIFORNIA FIRE CODE - PART 9, TITLE 24, CCR)

3. 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.

   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.

4. 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.

    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 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 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.

3. ALL EXISTING ELECTRICAL, LIGHTING, TELEPHONE, DATA, AND PUBLIC ADDRESS CONDUIT AND WIRING SHALL REMAIN EXCEPT WHERE INDICATED OTHERWISE ON THESE PLANS. RECONNECT EXISTING OUTLETS, DEVICES AND CIRCUITS IN ADJACENT SPACES DISRUPTED BY REMOVAL OF EXISTING OUTLETS, DEVICES OR CIRCUITS IN THIS CONTRACT.

4. PROTECT ALL EXISTING CONDUIT, WIRE AND SIGNAL SYSTEMS CABLES PASSING THRU REMODEL AREAS THAT SERVE ADJACENT AREAS.

5. WHERE NEW WALL OR CEILING OR OTHER CONSTRUCTION WILL COVER EXISTING OUTLETS, EQUIPMENT OR DEVICES MAKING THEM INACCESSIBLE, RELOCATE THE EXISTING OUTLET, EQUIPMENT OR DEVICE AS REQUIRED OR MAKE OTHER PROVISIONS TO PROVIDE ACCESS.

6. RECONNECT EXISTING OUTLETS, LIGHTS, ETC. THAT ARE TO REMAIN THAT ARE DISRUPTED BY REMOVAL OF OTHER EXISTING OUTLETS IN THE CONDUIT RUN AS REQUIRED TO PROVIDE CONTINUITY OF THE CIRCUITS.

7. REMOVE ALL EXISTING CONDUITS IN CEILING SPACES FOR SYSTEMS, EQUIPMENT AND DEVICES OR OUTLETS BEING REMOVED THAT ARE NOT BEING REUSED AND ALL ABANDONED EXISTING CONDUITS. REMOVE ALL EXISTING CONDUITS IN WALLS OR FLOORS FOR DEVICES BEING REMOVED THAT INTERFERE WITH NEW CONSTRUCTION. REMOVE WIRE FROM ABANDONED CONDUITS.

8. REMOVE ALL ABANDONED SIGNAL SYSTEM CABLES IN CEILING SPACE.

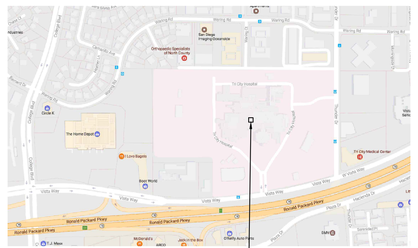
9. THE WORD "ELECTRICAL" USED IN THE CONTEXT OF THESE DEMOLITION PLANS INCLUDES LIGHTING, ELECTRICAL DEVICES & EQUIPMENT, AND ALL SIGNAL SYSTEMS.

10. REFER TO LIGHTING, POWER & SIGNAL PLANS FOR ADDITIONAL EXISTING ELECTRICAL TO REMAIN.

11. WHERE EXISTING DEVICES OR EQUIPMENT ARE INDICATED TO BE REMOVED IN WALLS THAT ARE TO REMAIN, ALSO REMOVE OUTLET BOX OR BACKBOX AND PATCH WALL FINISH TO MATCH SURROUNDING AREA.

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

SITE MAP



SHEET INDEX

SHEET	DESCRIPTION
E0.1	GENERAL NOTES, LEGEND, AND SHEET INDEX
E0.2	PARTIAL SINGLE LINE DIAGRAM & SCHEDULE
E0.3	PANEL SCHEDULES & LOAD SUMMARIES
ED2.1	PARTIAL DEMOLITION FLOOR PLANS
E2.1	PARTIAL RENOVATION FLOOR PLANS

6

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

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

OWNER: TRI-CITY MEDICAL CENTER
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

JOSEPH MICHEL SFEIR
No. C28543
REN. 1-31-19

ROSS M. SLOCUM
No. E20825
07/31/17

REV:	DESCRIPTION:	DATE:
1	OSHPD COMMENTS	10-09-17
2	DESIGN CHANGES	10-09-17
3	OSHPD COMMENTS	12-11-17
4	DESIGN CHANGES	12-11-17
5	OSHPD COMMENTS	5-15-18
6	DESIGN CHANGES	6-05-18

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

OSHPD APPROVAL STAMP:
OSHPD #: S171641-37-00

SHEET TITLE:
GENERAL NOTES, LEGEND, SYMBOLS, AND SHEET INDEX

PROJECT TITLE:
TCMC USP 800

PROJECT #: **01667.00**
DRAWN BY: EC
CHECKED BY: RS
SCALE:
DATE: **07/31/17**

SHEET NUMBER:
E0.1
OF

100% CONSTRUCTION DOCUMENT

INTERIOR LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	TOTAL V-A	LAMPS NO.	LAMPS V-A	LAMPS TYPE	VOLTAGE	MTG.	REMARKS
R1 / 74	RECESSED FLANGED 1X4 CLEANROOM FIXTURE WITH PATTERN 12, 0.125" THICK ACRYLIC LENS, IP65 MINIMUM, COLD ROLLED STEEL HOUSING, DIE-FORMED STEEL OVERLAPPING DOOR, AND WHITE POWDER COAT FINISH. TWO (2) LED MODULES, STANDARD OUTPUT, 4000K. EATON FAIL-SAFE CLMF-12-4-OLS-A12125-LD4-2STD-40-UNV-EDC1	74	-	74	LED	UNV	R	NOTES 1, 2
R2 / 38	RECESSED FLANGED 2X2 CLEANROOM FIXTURE WITH PATTERN 12, 0.125" THICK ACRYLIC LENS, IP65 MINIMUM, COLD ROLLED STEEL HOUSING, DIE-FORMED STEEL OVERLAPPING DOOR, AND WHITE POWDER COAT FINISH. TWO (2) LED MODULES, HIGH OUTPUT, 4000K. EATON FAIL-SAFE CLMF-24-2-OLS-A12125-LD4-2HI-40-UNV-EDC1	38	-	38	LED	UNV	R	NOTES 1, 2
X1 / 3	LED EDGE LIT CEILING MOUNTED EXIT SIGN WITH 90-MIN INTEGRAL EMERGENCY BATTERY BACKUP. PROVIDE WITH INTEGRAL BATTERY TEST SWITCH. SIGN LETTER COLOR TO MATCH BUILDING STANDARD. PROVIDE DIRECTION ARROWS AS INDICATED ON DRAWINGS. 3VA,LED,120/277V,UNV, LITHONIA LPP 1-RC-120/277 ELN	3	-	3	LED	UNV	S	
D1 / 31	RECESSED 4" LED DOWNLIGHT. CLEAR TRIM, SEMI-SPECULAR FINISH. WET LOCATION LISTED, 3500K, 2500 LUMENS. LITHONIA #LDN4-35/25-L04-AR-LSS-MVOLT-WL	31	-	31	LED	UNV	R	
D2 / 21	RECESSED 4" LED DOWNLIGHT. CLEAR TRIM, SEMI-SPECULAR FINISH. WET LOCATION LISTED, 3500K, 1500 LUMENS. LITHONIA #LDN4-35/15-L04-AR-LSS-MVOLT-WL	21	-	21	LED	UNV	R	

GENERAL NOTES:

1. ALL LUMINARIES SHALL MATCH EXISTING FIXTURE COLOR TEMPERATURE.

ABBREVIATIONS:

P = PENDANT
R = RECESSED
S = SURFACE
W = WALL
PO = POLE

KEY NOTES:

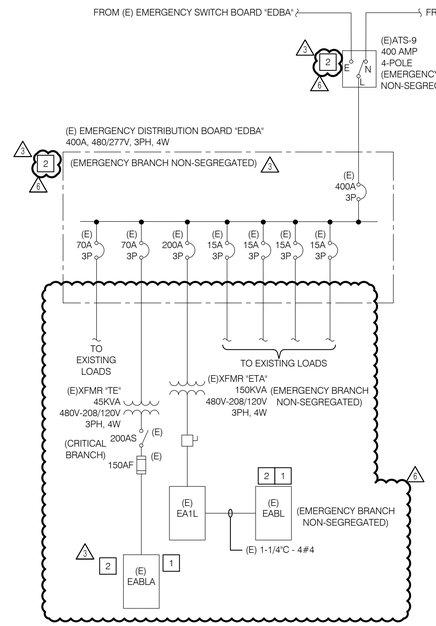
1. PROVIDE COMPLETE WITH ALL MOUNTING HARDWARE REQUIRED FOR A COMPLETE INSTALLATION.
2. REFER TO ARCHITECTURAL PLANS FOR CEILING TYPE.

2 LIGHTING FIXTURE SCHEDULE

NO SCALE

1 PARTIAL SINGLE LINE DIAGRAM

NO SCALE



NOTES

1. UTILIZE (E) PANEL FOR NEW LOADS.
2. CONTRACTOR TO PROVIDE REPORT FROM OSHPD IOR/ACO INDICATING THAT EXISTING AUTOMATIC TRANSFER SWITCH AND DOWNSTREAM DISTRIBUTION IS NON-SEGREGATED EMERGENCY BRANCH.

SFEIR 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

OWNER: TRI-CITY MEDICAL CENTER
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

LICENSED ARCHITECT JOSEPH MICHAEL SFEIR No. C 28543 REN. 1-31-19 STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER ROBERT M. SLOCUM No. E20825 07/31/17 ELECTRICAL STATE OF CALIFORNIA

1	OSHPD COMMENTS	10-09-17
2	DESIGN CHANGES	10-09-17
3	OSHPD COMMENTS	12-11-17
4	DESIGN CHANGES	12-11-17
5	OSHPD COMMENTS	5-15-18
6	DESIGN CHANGES	6-05-18

REV: DESCRIPTION: DATE:

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

OSHPD APPROVAL STAMP:

OSHPD #: S171641-37-00

SHEET TITLE:
PARTIAL SINGLE LINE DIAGRAM & SCHEDULE

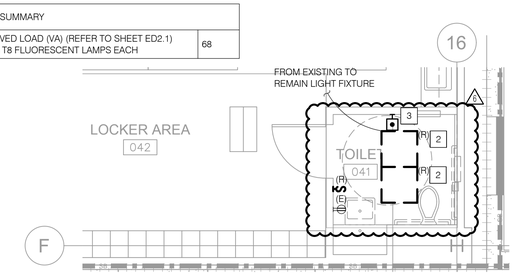
PROJECT TITLE:
TCMC USP 800

PROJECT #: 01667.00
DRAWN BY: EC
CHECKED BY: RS
SCALE:
DATE: 07/31/17

SHEET NUMBER:
E0.2
OF

100% CONSTRUCTION DOCUMENT

LOAD SUMMARY	
REMOVED LOAD (VA) (REFER TO SHEET ED2.1) 2-17W T8 FLUORESCENT LAMPS EACH	68

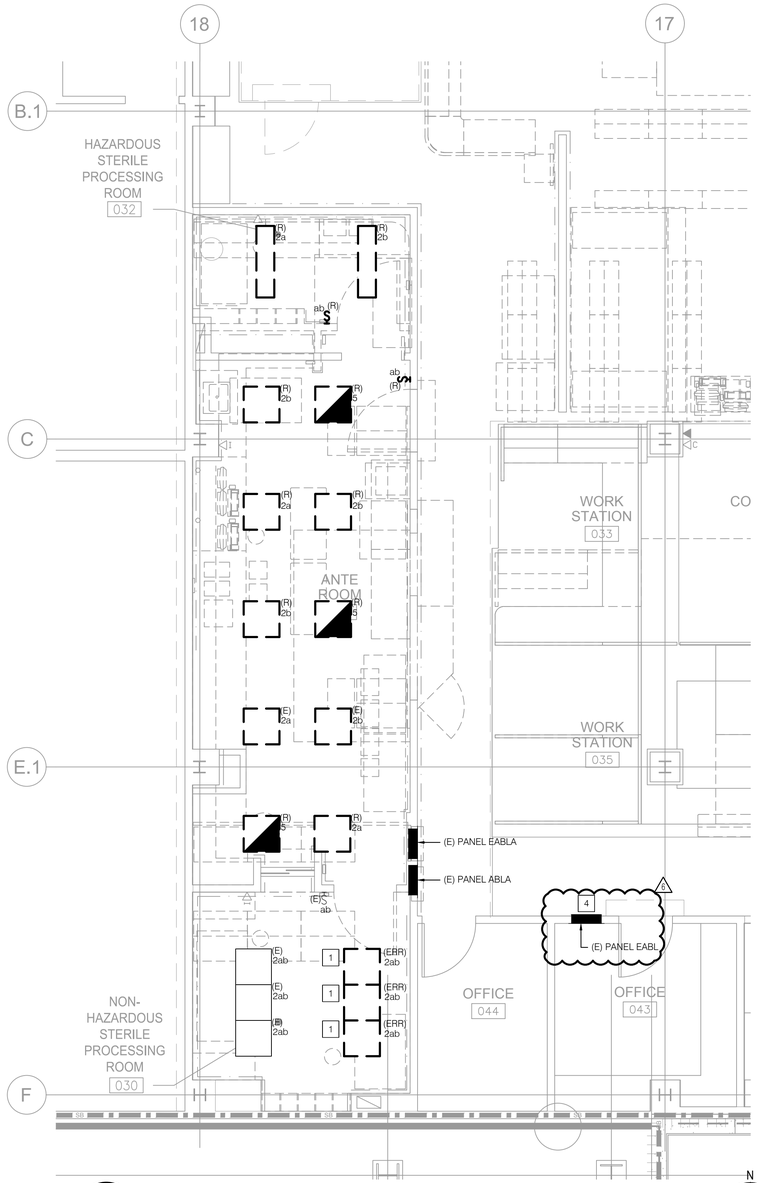


3 PARTIAL DEMOLITION FLOOR PLAN - POWER & LIGHTING

1/4" = 1'-0"

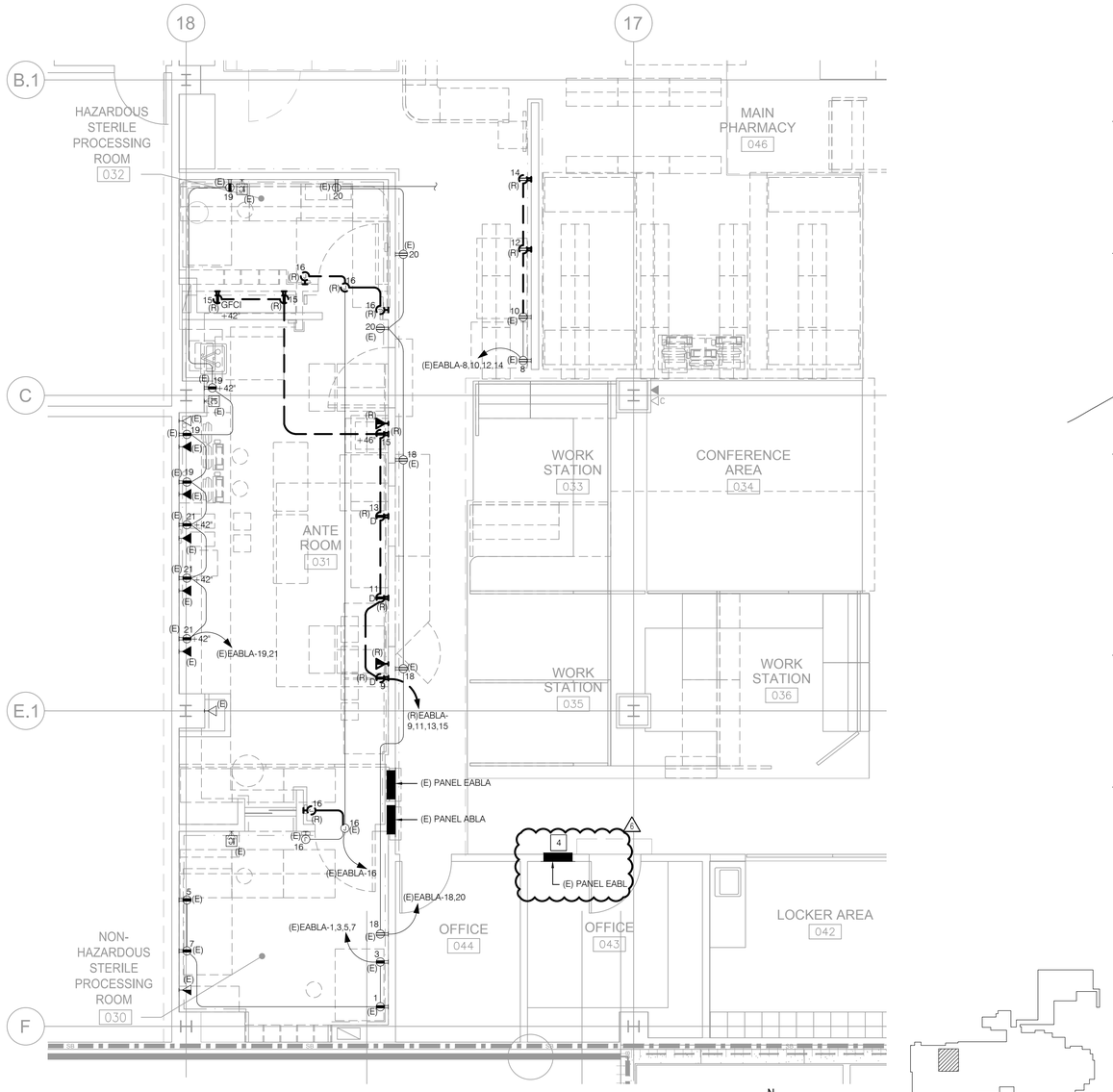
NOTES

1. DISCONNECT AND REMOVE EXISTING FIXTURE. RETAIN ONSITE FOR RE-INSTALLATION IN SAME LOCATION AFTER COMPLETION OF MECHANICAL SCOPE.
2. DISCONNECT AND REMOVE EXISTING LIGHT FIXTURE. RETAIN EXISTING BRANCH CIRCUITING FOR FUTURE RECONNECTION.
3. DISCONNECT AND REMOVE EXISTING PANIC BUTTON. RETAIN FOR FUTURE INSTALLATION.
4. INTERCEPT & RECONNECT EXISTING BRANCH CIRCUITS 1,3,13,15,17,25,27, & 29 FROM PANEL EABL TO PANEL EABLA. REFER TO PANEL SCHEDULES ON ED0.3 FOR ADDITIONAL INFORMATION.



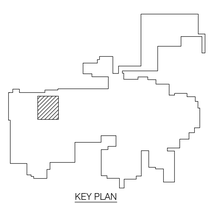
2 PARTIAL DEMOLITION FLOOR PLAN - LIGHTING

1/4" = 1'-0"



1 PARTIAL DEMOLITION FLOOR PLAN - POWER & SIGNAL

1/4" = 1'-0"



SFEIR 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

OWNER: TRI-CITY MEDICAL CENTER
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

LICENSED ARCHITECT JOSEPH MICHAEL SFEIR No. C 28543 RENEWAL 1-31-19 STATE OF CALIFORNIA

STEPHEN M. SLOCUM REGISTERED PROFESSIONAL ENGINEER E20825 07/31/17 ELECTRICAL STATE OF CALIFORNIA

1	1	OSHPD COMMENTS	10-09-17
2	2	DESIGN CHANGES	10-09-17
3	3	OSHPD COMMENTS	12-11-17
4	4	DESIGN CHANGES	12-11-17
5	5	OSHPD COMMENTS	5-15-18
6	6	DESIGN CHANGES	6-05-18

REV: DESCRIPTION: DATE:

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

OSHPD APPROVAL STAMP:

OSHPD #: S171641-37-00

SHEET TITLE:
PARTIAL DEMOLITION FLOOR PLANS

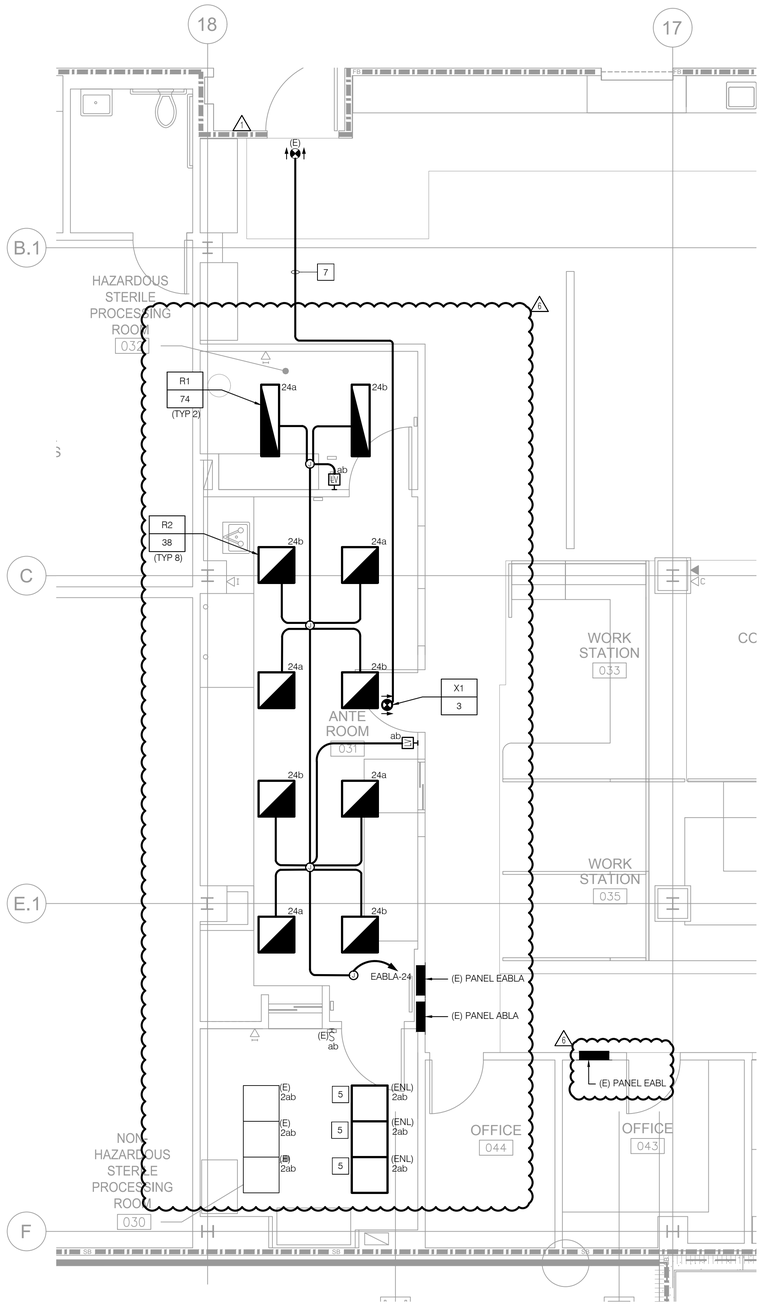
PROJECT TITLE:
TCMC USP 800

PROJECT #:	01667.00
DRAWN BY:	EC
CHECKED BY:	RS
SCALE:	
DATE:	07/31/17

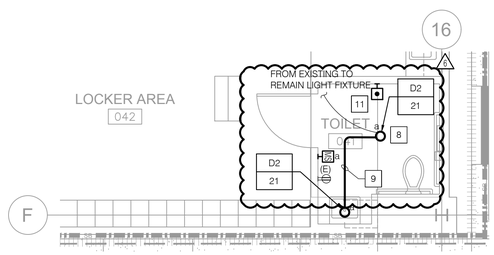
SHEET NUMBER: ED2.1 OF

100% CONSTRUCTION DOCUMENT

LOAD SUMMARY	10
REMOVED LOAD (VA) (REFER TO SHEET ED2.1)	68
ADDED LOAD (VA)	52
NET LOAD (VA)	-16
NET LOAD (A) @ 120V	-0.13



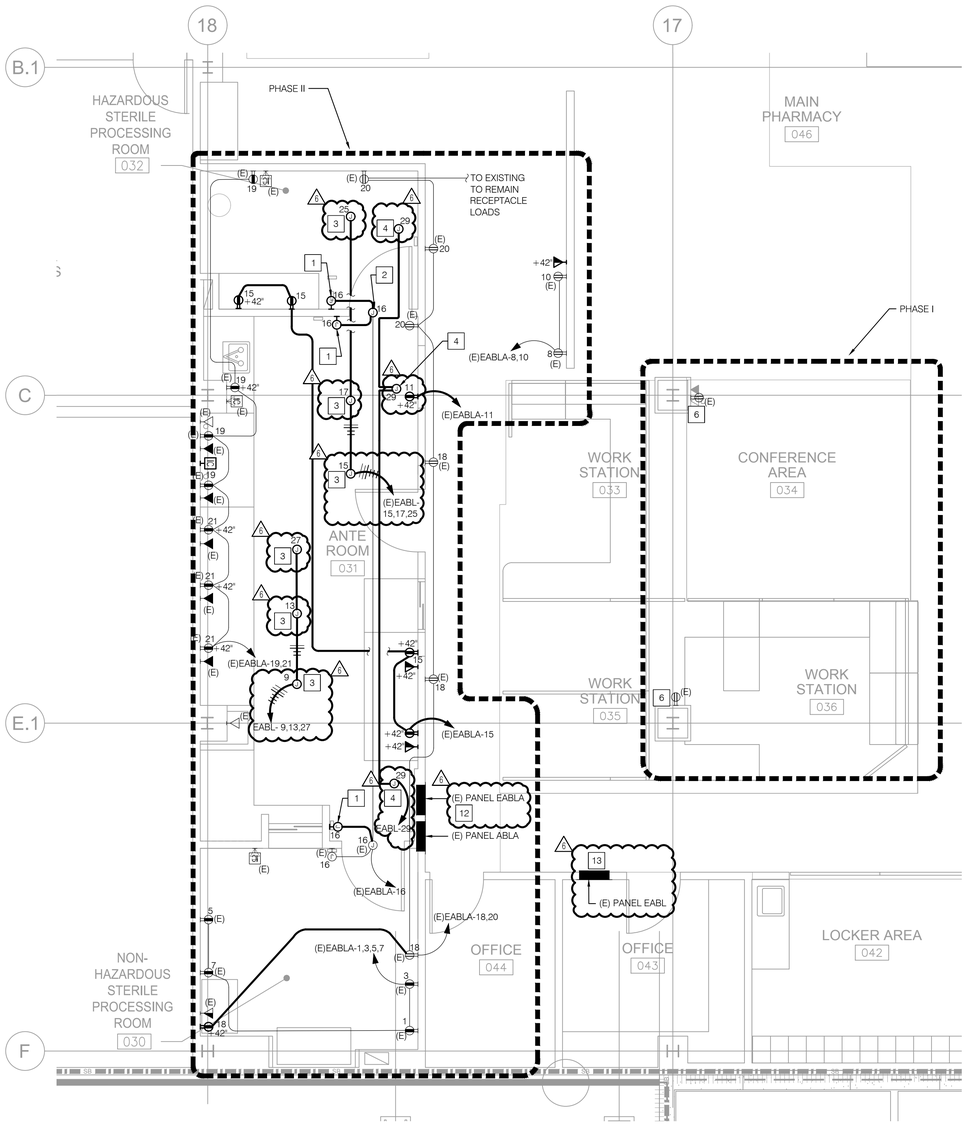
2 PARTIAL RENOVATION FLOOR PLAN - LIGHTING
1/4" = 1'-0"



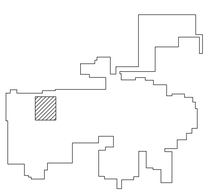
3 PARTIAL RENOVATION FLOOR PLAN - POWER & LIGHTING
1/4" = 1'-0"

NOTES

1. PROVIDE JUNCTION BOX MOUNTED +42"AFF FOR PUSH PLATE. EXTEND 3/4"C FROM JUNCTION BOX TO DOOR OPERATOR ABOVE CEILING.
2. PROVIDE JUNCTION BOX FOR 120V CONNECTION TO DOOR CONTROLLER. COORDINATE EXACT LOCATION WITH DOOR VENDOR.
3. PROVIDE 120V CONNECTION TO HEPA FILTER FAN UNIT. COORDINATE WITH MECHANICAL FOR EXACT LOCATION.
4. PROVIDE POWER FOR CAV CONTROLS. COORDINATE EXACT LOCATION WITH MECHANICAL.
5. REINSTALL EXISTING LIGHT FIXTURES IN SAME LOCATION AFTER COMPLETE OF ABOVE CEILING WORK.
6. UTILIZE EXISTING DUPLEX RECEPTACLE FOR SERVICE TO TEMPORARY ISOLATOR AND REFRIGERATION LOCATIONS.
7. INTERCEPT & EXTEND 2#12,1#12G, 3/4"C FROM EXISTING EXIT SIGN EMERGENCY BRANCH CIRCUIT TO NEW EXIT SIGN LOCATION.
8. CONNECT EXISTING LIGHTING BRANCH CIRCUIT TO NEW LIGHTING FIXTURES.
9. 3/4"C - 2#12, 1#12G
10. LOAD SUMMARY FOR EXISTING LIGHT BRANCH CIRCUIT. NO LOAD ADDED AS A RESULT OF WORK.
11. REINSTALL EXISTING PANIC BUTTON.
12. UTILIZE EXISTING PANEL EABLA TO TERMINATE BRANCH CIRCUITS FROM EABL. REFER TO PANEL SCHEDULES ON SHEET E0.3 FOR ADDITIONAL INFORMATION.
13. UTILIZE CIRCUIT BRANCHES RENDERED SPARE DUE TO CIRCUIT RELOCATION FOR NEW MECHANICAL EQUIPMENT LOADS.



1 PARTIAL RENOVATION FLOOR PLAN - POWER & SIGNAL
1/4" = 1'-0"



KEY PLAN

SFEIR 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

OWNER: TRI-CITY MEDICAL CENTER
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

LICENSED ARCHITECT JOSEPH MICHAEL SFEIR No. C28343 REN. 1-31-19 STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER STEVEN M. SLOCUM E20825 07/31/17 ELECTRICAL STATE OF CALIFORNIA

REV:	DESCRIPTION:	DATE:
1	OSHPD COMMENTS	10-09-17
2	DESIGN CHANGES	10-09-17
3	OSHPD COMMENTS	12-11-17
4	DESIGN CHANGES	12-11-17
5	OSHPD COMMENTS	5-15-18
6	DESIGN CHANGES	6-05-18

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

OSHPD APPROVAL STAMP:

OSHPD #: S171641-37-00

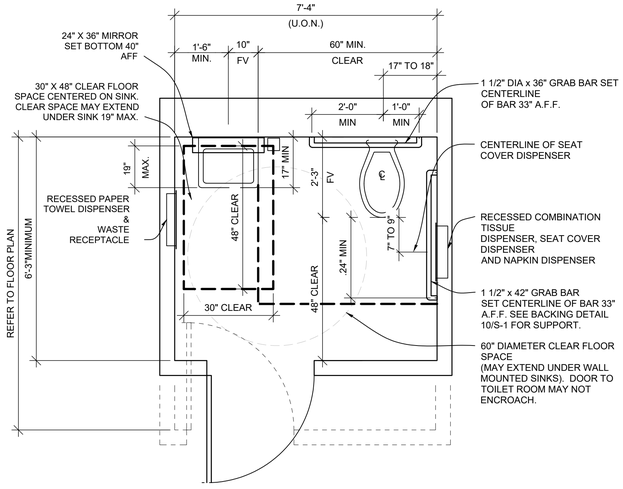
SHEET TITLE:
PARTIAL RENOVATION FLOOR PLANS

PROJECT TITLE:
TCMC USP 800

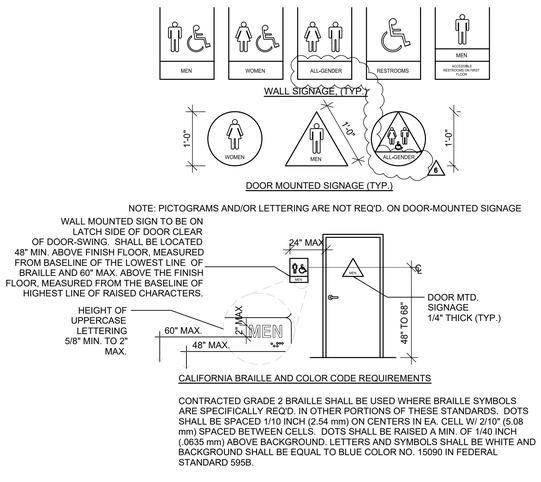
PROJECT #: 01667.00
DRAWN BY: EC
CHECKED BY: RS
SCALE:
DATE: 07/31/17

SHEET NUMBER: E2.1

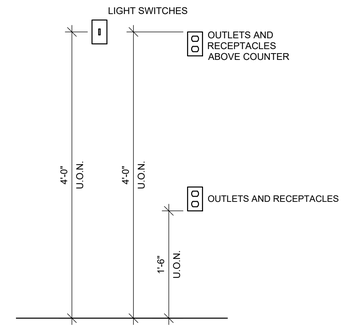
100% CONSTRUCTION DOCUMENT



1 ACCESSIBLE TOILET PLAN
1/2" = 1'-0"



2 SANITARY FACILITIES SIGNAGE
1/2" = 1'-0"

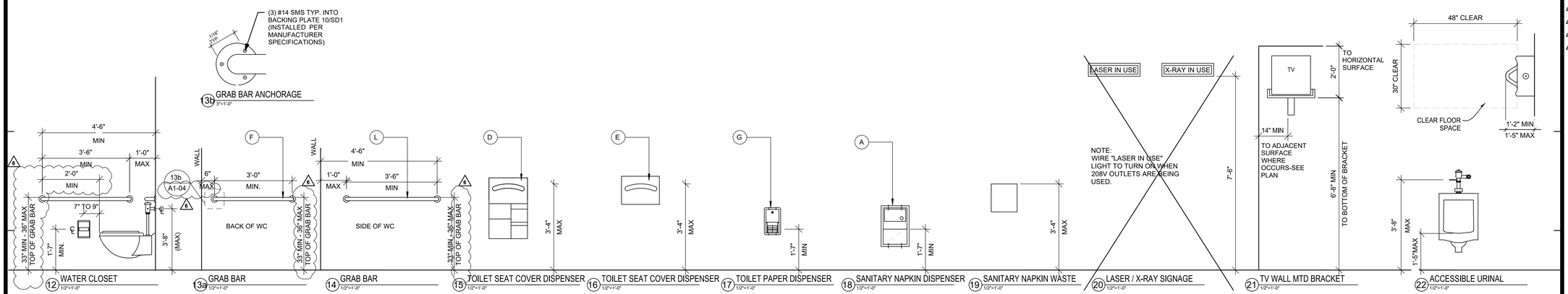


3 OUTLETS AND SWITCHES MOUNTING HEIGHT
1" = 1'-0"

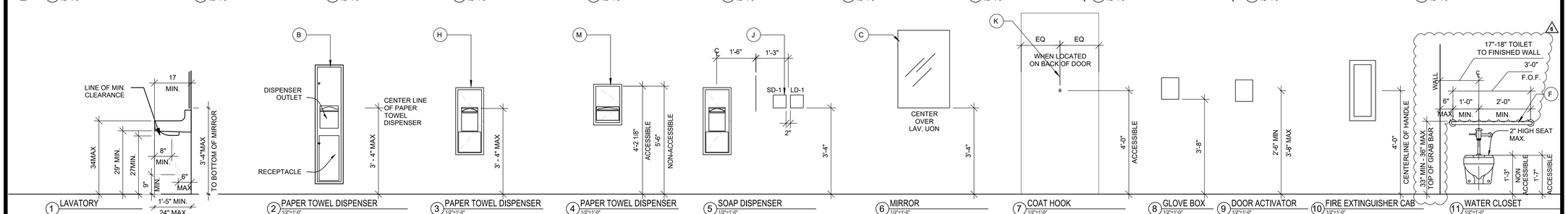
ACCESSORY SCHED.- TOILET

NOTE: MODEL NUMBERS REFERENCED REFER TO "BOBRICK WASHROOM EQUIPMENT CO."

TAG	MODEL NUMBER	DESCRIPTION
A	B-353	RECESSED SANITARY NAPKIN DISPENSER
B	B-38034	RECESSED PAPER TOWEL DISPENSER & WASTE REC. (600 C-FOLD)
C	B-166 2436	24"x36" ANGLE FRAME MIRROR W/ 5" SHELF
D	B-3574	RECESSED SEAT COVER DISP. NAPKIN DISP. TISSUE DISPENSER
E	B-3474	RECESSED SEAT COVER DISPENSER
F	B-6806X36	36" GRAB BAR W/ CONCEALED MOUNTING
G	B-3888	RECESSED MULTI-ROLL TOILET TISSURE DISPENSER
H	B-4369	RECESSED PAPER TOWEL DISPENSER & WASTE REC. (300 C-FOLD)
J	B-155	SURFACE MOUNTED SOAP DISPENSER (OFCI)
K	B-212	CLOTHES HOOK AND BUMPER
L	B-6806X42	42" GRAB BAR W/ CONCEALED MOUNTING.



12 WATER CLOSET 1/2"=1'-0" | 13b GRAB BAR 3"=1'-0" | 14 GRAB BAR 1/2"=1'-0" | 15 TOILET SEAT COVER DISPENSER 1/2"=1'-0" | 16 TOILET SEAT COVER DISPENSER 1/2"=1'-0" | 17 TOILET PAPER DISPENSER 1/2"=1'-0" | 18 SANITARY NAPKIN DISPENSER 1/2"=1'-0" | 19 SANITARY NAPKIN WASTE 1/2"=1'-0" | 20 LASER / X-RAY SIGNAGE 1/2"=1'-0" | 21 TV WALL MTD BRACKET 1/2"=1'-0" | 22 ACCESSIBLE URINAL 1/2"=1'-0"



1 LAVATORY 1/2"=1'-0" | 2 PAPER TOWEL DISPENSER 1/2"=1'-0" | 3 PAPER TOWEL DISPENSER 1/2"=1'-0" | 4 PAPER TOWEL DISPENSER 1/2"=1'-0" | 5 SOAP DISPENSER 1/2"=1'-0" | 6 MIRROR 1/2"=1'-0" | 7 COAT HOOK 1/2"=1'-0" | 8 GLOVE BOX 1/2"=1'-0" | 9 DOOR ACTIVATOR 1/2"=1'-0" | 10 FIRE EXTINGUISHER CAB 1/2"=1'-0" | 11 WATER CLOSET 1/2"=1'-0"

100% CONSTRUCTION DOCUMENT

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

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

OWNER: 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

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

LICENSED ARCHITECT
JOSEPH MICHAEL SFEIR
No. C 28543
REN. 1-31-19
STATE OF CALIFORNIA

REV:	DESCRIPTION:	DATE:
1	OSHPD COMMENTS	10-09-17
2	DESIGN CHANGES	10-09-17
3	OSHPD COMMENTS	12-11-17
4	DESIGN CHANGES	12-11-17
5	OSHPD COMMENTS	5-15-18
6	DESIGN CHANGES	6-05-18

CONSULTANT

OSHPD APPROVAL STAMP:

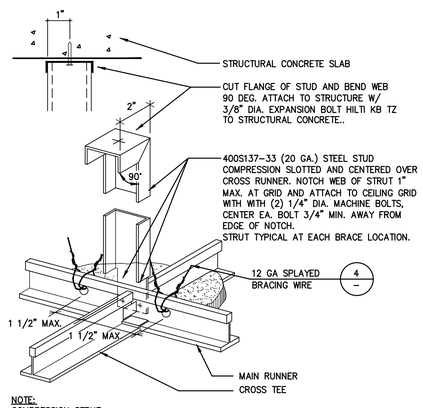
OSHPD #: S171641-37-00

SHEET TITLE:
ADA COMPLIANCE DETAILS

PROJECT TITLE:
TCMC USP 800

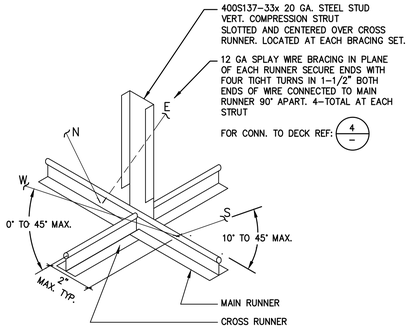
PROJECT #: 01667.00
DRAWN BY: AR
CHECKED BY: JS
SCALE: 1/4" = 1'-0"
DATE: 07/31/17

SHEET NUMBER: A1-04 (3)
OF

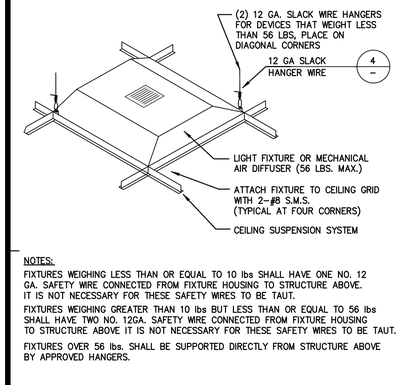


NOTE:
COMPRESSION STRUT:
STEEL SECTION W/ L/R RATIO OF 200 MAX.
STRUT SHALL NOT REPLACE HANGER WIRE.

8 VERTICAL COMPRESSION STRUT



7 SWAY BRACE CONNECTION
LAY–IN PANEL CEILING

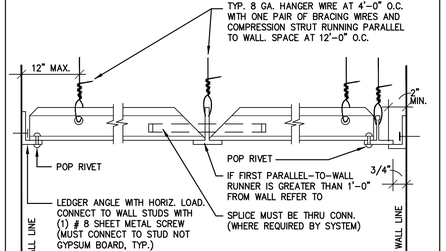


NOTES:
FIXTURES WEIGHING LESS THAN OR EQUAL TO 10 lbs SHALL HAVE ONE NO. 12 GA. SAFETY WIRE CONNECTED FROM FIXTURE HOUSING TO STRUCTURE ABOVE. IT IS NOT NECESSARY FOR THESE SAFETY WIRES TO BE TAUT.

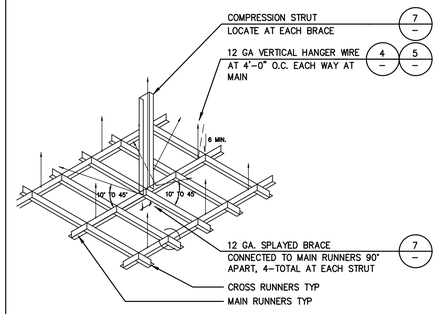
FIXTURES WEIGHING GREATER THAN 10 lbs BUT LESS THAN OR EQUAL TO 56 lbs SHALL HAVE TWO NO. 12GA. SAFETY WIRE CONNECTED FROM FIXTURE HOUSING TO STRUCTURE ABOVE IT IS NOT NECESSARY FOR THESE SAFETY WIRES TO BE TAUT.

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

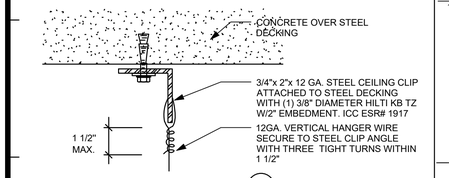
6 FIXTURE SUSPENSION
NOT TO SCALE



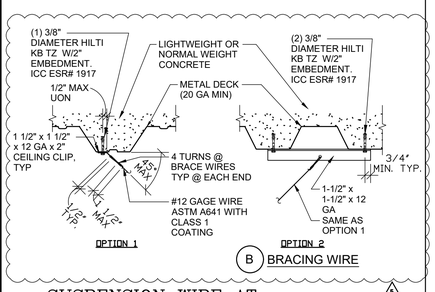
5 SECT.ACROSS COOR./EXP JOINT
NOT TO SCALE



4 CEILING GRID ATTACHMENT
LAY–IN PANEL CEILING

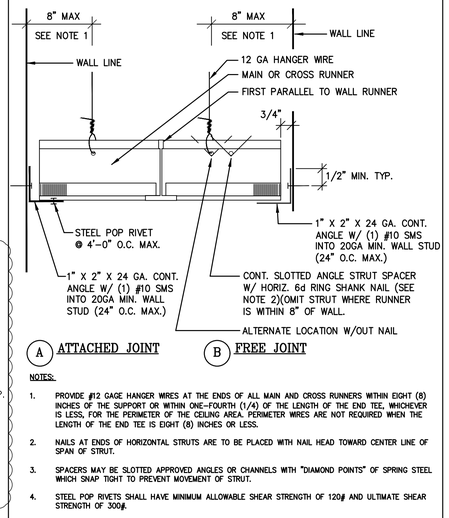


A HANGER WIRE



B BRACING WIRE

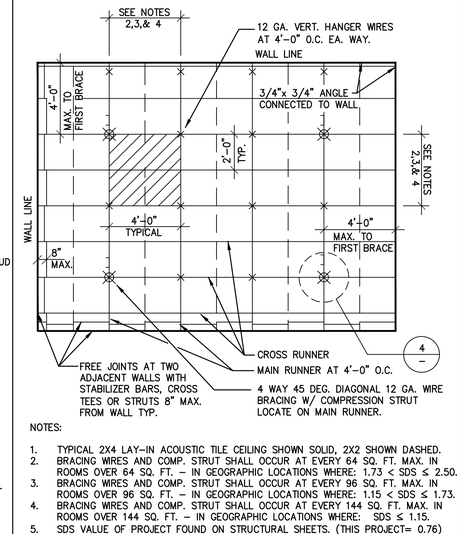
SUSPENSION WIRE AT METAL DECK
3 N.T.S.



A ATTACHED JOINT
B FREE JOINT

NOTES:
1. 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.
2. NAILS AT ENDS OF HORIZONTAL STRUTS ARE TO BE PLACED WITH NAIL HEAD TOWARD CENTER LINE OF SPAN OF STRUT.
3. SPACERS MAY BE SLOTTED APPROVED ANGLES OR CHANNELS WITH "DIAMOND POINTS" OF SPRING STEEL WHICH SNAP TIGHT TO PREVENT MOVEMENT OF STRUT.
4. STEEL POP RIVETS SHALL HAVE MINIMUM ALLOWABLE SHEAR STRENGTH OF 120# AND ULTIMATE SHEAR STRENGTH OF 300#.

2 HORIZONTAL SLIP JOINT
SUSPENDED GYPSUM BOARD



NOTES:
1. TYPICAL 2X4 LAY–IN ACOUSTIC TILE CEILING SHOWN SOLID, 2X2 SHOWN DASHED.
2. BRACING WIRES AND COMP. STRUT SHALL OCCUR AT EVERY 64 SQ. FT. MAX. IN ROOMS OVER 64 SQ. FT. – IN GEOGRAPHIC LOCATIONS WHERE: $1.73 < SDS \leq 2.50$.
3. BRACING WIRES AND COMP. STRUT SHALL OCCUR AT EVERY 96 SQ. FT. MAX. IN ROOMS OVER 96 SQ. FT. – IN GEOGRAPHIC LOCATIONS WHERE: $1.15 < SDS \leq 1.73$.
4. BRACING WIRES AND COMP. STRUT SHALL OCCUR AT EVERY 144 SQ. FT. MAX. IN ROOMS OVER 144 SQ. FT. – IN GEOGRAPHIC LOCATIONS WHERE: $SDS \leq 1.15$.
5. SDS VALUE OF PROJECT FOUND ON STRUCTURAL SHEETS. (THIS PROJECT= 0.76)

1 DIAGRAMATIC CEILING PLAN
LAY–IN CEILING

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:

METAL SUSPENSION SYSTEMS FOR LAY-IN PANEL CEILINGS

1. CONSTRUCTION, WORKMANSHIP AND MATERIAL SHALL CONFORM TO THE 2016 CALIFORNIA BUILDING STANDARDS CODE (CBSC 2016).
2. 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.
3. 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.
4. 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 S100–07/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.
5. 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.
6. 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:
   a. 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.
   b. 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.
   c. 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.
   d. POWER–ACTUATED FASTENERS (PAF), POWDER DRIVEN FASTENERS (PDF), POWER DRIVEN PINS (PDP) AND SHOT PINS ALL REPRESENT THE SAME FASTENER AND WILL HEREAFTER BE REFERRED TO AS POWER ACTUATED FASTENERS (PAF). PAF'S SHALL SATISFY THE CURRENT AC70–ACCEPTANCE CRITERIA FOR FASTENERS POWER–DRIVEN INTO CONCRETE, STEEL AND MASONRY ELEMENTS AND THE 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 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.
7. 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.
   b. FASTENER CAPACITIES TABLES WERE DEVELOPED BASED ON ICC REPORTS BY SEVERAL MANUFACTURERS.
   c. 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.
   d. 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.
8. THE RDP IN RESPONSIBLE CHARGE 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 STRENGTH:
   a. FOUR (4) TWISTS OF WIRE WITHIN 1.5" DEVELOPS THE ALLOWABLE LOAD FOR THE WIRE.
   b. THREE (3) TWISTS WITHIN 3" MAY BE USED TO DEVELOP THE MAXIMUM 50% OF ALLOWABLE LOAD.
10. SUSPENSION SYSTEM COMPONENTS SHALL COMPLY WITH ASTM C635 AND E580 SECTION 5.1:
    a. THE CEILING GRID SYSTEM SHALL BE RATED HEAVY DUTY AS DEFINED BY ASTM C635.
    b. 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.
    c. 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.
11. SUSPENSION SYSTEM INSTALLATION, SHALL COMPLY WITH ASTM C636 AND E580 SECTION 5.2:
    a. 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.
    b. 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.
    c. 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.
    d. 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.
    b. 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.
    c. 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 FORCES.
    a. PROVIDE LATERAL–FORCE BRACING ASSEMBLIES CONSISTING OF A STRUT AND FOUR (4) #12 GAGE BRACING WIRES ORIENTED 90 DEGREES FROM EACH OTHER.
    b. 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.
    c. THE SLOPE OF BRACING WIRES MAY BE FROM 10 TO 45 DEGREES BUT MAY NOT EXCEED 45 DEGREES FROM THE PLANE OF THE CEILING AND WIRES SHALL BE TAUT.
    d. 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:
    a. FASTEN #12 HANGER WIRES WITH NOT LESS THAN THREE (3) TIGHT T 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.
    b. FASTEN #12 BRACING WIRES WITH FOUR (4) TIGHT TURNS. MAKE ALL TIGHT TURNS WITHIN A DISTANCE OF 1 1/2" INCHES.
    c. HANGER OR BRACING WIRE ANCHORED TO THE STRUCTURE SHOULD BE INSTALLED IN SUCH A MANNER THAT THE DIRECTION OF THE ANCHOR ALIGNS AS CLOSELY AS POSSIBLE WITH THE DIRECTION OF THE WIRE.
    d. SEPARATE ALL CEILING HANGER AND BRACING WIRES AT LEAST SIX (6) INCHES FROM ALL UNBRACED DUCTS, PIPES CONDUITS, ETC.
    e. HANGER WIRES SHALL NOT BE ATTACHED TO OR BEND AROUND INTERFERING MATERIAL OR EQUIPMENT. PROVIDE TRAPEZE OR OTHER SUPPLEMENTARY SUPPORT MEMBERS AT OBSTRUCTIONS TO TYPICAL HANGER SPACING. PROVIDE ADDITIONAL HANGERS, STRUTS OR BRACES AS REQUIRED AT ALL CEILING BREAKS, SOFFITS, OR DISCONTINUOUS AREAS.
    f. HANGER WIRES THAT ARE MORE THAN 1 (HORIZONTAL) IN 6 (VERTICAL) OUT OF PLUMB SHALL REQUIRE PROJECT SPECIFIC DESIGN.
    g. 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.
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).
    b. ALL FIXTURES SHALL BE MOUNTED IN A MANNER THAT WILL NOT COMPROMISE CEILING PERFORMANCE.
    c. 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.
    d. 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.
    e. 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.
    f. 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.
    g. ALL FIXTURES WEIGHING GREATER THAN 56 LB. SHALL BE SUPPORTED DIRECTLY FROM STRUCTURE ABOVE BY APPROVED HANGERS.
    h. 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.
    i. 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:
    a. CEILINGS THAT ARE PART OF A FIRE RATED ASSEMBLY: PROVIDE A DETAIL AND DESIGN NUMBER FOR RATED CEILING ASSEMBLIES FROM AN APPROVED TESTING AGENCY. THE COMPONENTS AND INSTALLATION DETAILS CONFORM IN EVERY RESPECT WITH THE LISTED DETAIL AND NUMBER. DETAILS SHALL CLEARLY DEPICT ALL COMPONENTS, INCLUDING INSULATION MATERIALS, FRAMING AND ATTACHMENT OF THE DESIGN SO THAT THE ASSEMBLY CAN BE CONSTRUCTED AND INSPECTED ACCORDINGLY. POP RIVETS, SCREWS, OR OTHER ATTACHMENTS ARE NOT ACCEPTABLE UNLESS SPECIFICALLY DETAILED ON THE DRAWINGS AND APPROVED BY APPROVED TESTING AGENCY.
    b. METAL AND OTHER PANELS: METAL PANELS AND PANELS WEIGHING MORE THAN 1/2 PSF, OTHER THAN MINERAL FIBER ACOUSTICAL TILE, ARE TO BE POSITIVELY ATTACHED TO THE CEILING SUSPENSION RUNNERS.
    c. 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.

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

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

OWNER: 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

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

LICENSED ARCHITECT
JOSEPH MICHAEL SFEIR
No. C 28543
REN 1–31–19
STATE OF CALIFORNIA

REV	DESCRIPTION:	DATE:
1	OSHPD COMMENTS	10–09–17
2	DESIGN CHANGES	10–09–17
3	OSHPD COMMENTS	12–11–17
4	DESIGN CHANGES	12–11–17
5	OSHPD COMMENTS	5–15–18
6	DESIGN CHANGES	6–05–18

CONSULTANT

OSHPD APPROVAL STAMP:

OSHPD #: S171641–37–00

SHEET TITLE:

LAY-IN CEILING DETAILS

PROJECT TITLE:
TCMC USP 800

PROJECT #: 01667.00
DRAWN BY: MK
CHECKED BY: JS
SCALE: AS SHOWN
DATE: 07/31/17

SHEET NUMBER: A5-70 OF

100% CONSTRUCTION DOCUMENT

(NON-SEGREGATED) (DEMOLITION)

PANEL: (E)EABL

VOLTAGE : 208/120 VOLTS — 3 PHASE, 4 WIRE — A.I.C. RATING : 10kA
BUS AMPS : 100 AMPS — LOCATION : PHARMACY 046
MAIN : 100A MCB — FED FROM : EA1L
BRANCH TYPE : EMERGENCY BRANCH — MOUNTING : FLUSH
PANEL OPTIONS: -

LOAD TYPE	LOAD SERVED	VOLT-AMPS A	VOLT-AMPS B	VOLT-AMPS C	CKT	BKR/ POLE	A B C	BKR/ POLE	CKT	VOLT-AMPS A	VOLT-AMPS B	VOLT-AMPS C	LOAD SERVED	LOAD TYPE
RECEPTACLE	(E) COMPUTER MED REC.				1	30/2	* - -	20/1	2				(E) MEDICAL RECORDS	
					3	-	- * -	20/1	4				(E) MEDICAL RECORDS	
	(E) MEDICAL RECORDS				5	20/1	- - *	20/1	6				(E) MEDICAL RECORDS	
	(E) HP PRINTER				7	20/1	* - -	20/1	8				(E) REF	
	(E) SPARE				9	30/1	- * -	20/1	10				(E) DOOR HOLDERS	
	(E) POWER POLE				11	20/1	- - *	20/1	12				(E) PHARMACY	
5	(R) MEDICAL RECORDS				13	20/1	* - -	20/1	14				(E) PHARMACY	
	(R) MEDICAL RECORDS				15	20/1	- * -	20/1	16				(E) MED REC LOUNGE	
	(R) MEDICAL RECORDS				17	20/1	- - *	20/1	18				(E) PHARMACY	
	(E) PNEUMATIC SYSTEM				19	20/1	* - -	20/1	20				(E) DOOR STRIKE	
	(E) DICTATION				21	20/1	- * -	20/1	22				(E) SINGLE OUTLET SOUTH WALL	
	(E) DICTATION				23	20/1	- - *	20/1	24				(E) REF	
5	(R) MEDICAL RECORDS				25	20/1	* - -	20/1	26				(E) MED REC OFFICE	
	(R) MEDICAL RECORDS				27	20/1	- * -	20/1	28				(E) OKI PRINTER	
	(R) MEDICAL RECORDS				29	20/1	- - *	20/1	30				(E) SINGLE OUTLET SOUTH WALL	

PANEL CALCULATIONS:

LOAD TYPE:	LOAD (VA)	DEMAND FACTOR	DEMAND LOAD
RECEPTACLE	0	PER CEC ART. 220.44	0 VA
LIGHTING	0	125%	0 VA
MOTOR	0	100%	0 VA
MISC	0	100%	0 VA
	0	0%	0 VA
0 ELEVATOR(S)	0	0%	0 VA
0 X-RAY(S)	0	PER CEC ART. 517.73(2)	0 VA
25% OF LARGEST MOTOR			0 VA

LOAD SUMMARY:

PHASE A	0.0 KVA
PHASE B	0.0 KVA
PHASE C	0.0 KVA
TOTAL CONNECTED LOAD	0.0 KVA
TOTAL DEMAND LOAD	0.0 KVA
LINE-TO-LINE VOLTAGE	208 VOLTS
SPARE CAPACITY	0%
PANEL AMPS	0 AMPS

(CRITICAL BRANCH)

PANEL: (E)EABLA

VOLTAGE : 208/120 VOLTS — 3 PHASE, 4 WIRE — A.I.C. RATING : 10kA
BUS AMPS : 225 AMPS — LOCATION : PHARMACY 046
MAIN : 150A MCB — FED FROM : EDBA
BRANCH TYPE : EMERGENCY BRANCH — MOUNTING : FLUSH
PANEL OPTIONS: -

LOAD TYPE	LOAD SERVED	VOLT-AMPS A	VOLT-AMPS B	VOLT-AMPS C	CKT	BKR/ POLE	A B C	BKR/ POLE	CKT	VOLT-AMPS A	VOLT-AMPS B	VOLT-AMPS C	LOAD SERVED	LOAD TYPE
	(E) LOAD [016] RM 030				1	20/1	* - -	20/1	2				(E) LOAD	
	(E) LOAD [008] RM 030				3	20/1	- * -	20/1	4				(E) LOAD	
	(E) LOAD [009] RM 030				5	20/1	- - *	20/1	6				(E) LOAD	
	(E) LOAD [023] RM 030				7	20/1	* - -	20/1	8	1,044			LAB FREEZER [013] RM 046	MISC
	SPARE				9	20/1	- * -	20/1	10		540		PYXIS SUPPLY [010,011] RM 046	MISC
3 1 MISC	REFRIGERATOR [005] RM 031			960	11	20/1	- - *	20/1	12				MEDICAL RECORDS	
3 1 MISC	SPARE				13	20/1	* - -	20/1	14				MEDICAL RECORDS	
MISC	U/C REF [006], REC RM 031,032		900		15	20/1	- * -	20/1	16				(E) LOAD	
	(E) LOAD				17	20/1	- - *	20/1	18			180	(E) LOAD + PRINTER [025]	RECEPTACLE
	(E) LOAD [001,002,003] 031,032				19	20/1	* - -	20/1	20				(E) LOAD	
	(E) LOAD [018,026,038] RM 032				21	20/1	- * -	20/1	22				MEDICAL RECORDS	
	(E) LOAD				23	20/1	- - *	20/1	24			455	LIGHTING RM 031, 032	LIGHTING
7 2	MEDICAL RECORDS				25	20/1	* - -	20/1	26				(E) LOAD	
	(E) LOAD				27	20/1	- * -	20/1	28				(E) LOAD	
	(E) LOAD				29	20/1	- - *	15/3	30				(E) BSC FAN @ ROOF	
7 1	MEDICAL RECORDS				31	20/1	* - -	-	32				-	
	(E) LOAD				33	20/2	- * -	-	34				-	
	(E) LOAD				35	-	- - *	20/1	36				(E) LOAD	
7 2	MEDICAL RECORDS				37	20/1	* - -		38				SPACE	
	SPACE				39		- * -		40				SPACE	
	SPACE				41		- - *		42				SPACE	

PANEL CALCULATIONS:

LOAD TYPE:	LOAD (VA)	DEMAND FACTOR	DEMAND LOAD
RECEPTACLE	180	PER CEC ART. 220.44	180 VA
LIGHTING	455	125%	569 VA
MOTOR	0	100%	0 VA
MISC	3,444	100%	3,444 VA
	0	0%	0 VA
0 ELEVATOR(S)	0	0%	0 VA
0 X-RAY(S)	0	PER CEC ART. 517.73(2)	0 VA
25% OF LARGEST MOTOR			0 VA

LOAD SUMMARY:

PHASE A	1.0 KVA
PHASE B	1.4 KVA
PHASE C	1.6 KVA
TOTAL CONNECTED LOAD	4.1 KVA
TOTAL DEMAND LOAD	4.2 KVA
LINE-TO-LINE VOLTAGE	208 VOLTS
SPARE CAPACITY	0%
PANEL AMPS	12 AMPS

PROJECT NAME: TCMC USP 800
PROJECT #: 2017-8730

LOAD SUMMARY: (E)EABLA

72-HR METER READING X 1.25	=	24.7 KVA
DATE OF RECORDING: (5/9/17 - 5/11/17)		
REMOVED LOAD		
CKT #8	=	0.96 KVA
CKT #9	=	0.54 KVA
CKT #10	=	1.04 KVA
CKT #12	=	1.04 KVA
CKT #13	=	0.96 KVA
CKT #14	=	1.02 KVA
CKT #15	=	0.54 KVA
ADDED LOAD	=	4.2 KVA
TOTAL LOAD (KVA)	=	**23 KVA**
TOTAL LOAD (A) @ 208/120 VOLTS	=	63 A
MAIN BUS RATING / MAIN CB RATING	=	150 A

LOAD SUMMARY: (E)DIST BOARD EDBA

METER RECORDING X 1.25	=	54.0 KVA
DATE OF RECORDING: (5/9/17 - 5/11/17)		
REMOVED LOAD	=	6.11 KVA
ADDED LOAD	=	4.19 KVA
TOTAL LOAD (KVA)	=	**52 KVA**
TOTAL LOAD (A) @ 208/120 VOLTS	=	145 A
MAIN BUS RATING / MAIN CB RATING	=	400 A

NOTES

1. UTILIZE (E) 20A, 1P CIRCUIT BREAKER FOR NEW LOADS.
2. PROVIDE NEW 20A, 1P CIRCUIT BREAKER IN EXISTING SPACE. MANUFACTURER AND KAIC RATING SHALL MATCH EXISTING.
3. CIRCUIT BREAKER RENDERED SPARE AS RESULT OF WORK.
4. PROVIDE NEW 20A, 2P CIRCUIT BREAKER IN EXISTING SPACE. MANUFACTURER AND KAIC RATING SHALL MATCH EXISTING.
5. EXISTING BRANCH CIRCUIT WIRING TO BE INTERCEPTED IN CEILING ABOVE PANEL AND RE-CONNECTED TO EXISTING CRITICAL BRANCH PANEL EABLA.
6. REPLACE 30A, 1P CIRCUIT BREAKER WITH NEW 20A, 1P CIRCUIT BREAKER. MANUFACTURER AND KAIC RATING SHALL MATCH EXISTING.
7. TERMINATE EXISTING 2#12, 1#12, 3/4"C FROM CEILING SPACE ABOVE PANEL EABL TO NEW CIRCUIT LOCATION IN PANEL EABLA.

(NON-SEGREGATED) (RENOVATION)

PANEL: (E)EABL

VOLTAGE : 208/120 VOLTS — 3 PHASE, 4 WIRE — A.I.C. RATING : 10kA
BUS AMPS : 100 AMPS — LOCATION : PHARMACY 046
MAIN : 100A MCB — FED FROM : EA1L
BRANCH TYPE : EMERGENCY BRANCH — MOUNTING : FLUSH
PANEL OPTIONS: -

LOAD TYPE	LOAD SERVED	VOLT-AMPS A	VOLT-AMPS B	VOLT-AMPS C	CKT	BKR/ POLE	A B C	BKR/ POLE	CKT	VOLT-AMPS A	VOLT-AMPS B	VOLT-AMPS C	LOAD SERVED	LOAD TYPE
RECEPTACLE	(E) COMPUTER MED REC.				1	30/2	* - -	20/1	2				(E) MEDICAL RECORDS	
	-				3	-	- * -	20/1	4				(E) MEDICAL RECORDS	
	(E) MEDICAL RECORDS				5	20/1	- - *	20/1	6				(E) MEDICAL RECORDS	
	(E) HP PRINTER				7	20/1	* - -	20/1	8				(E) REF	
6 MOTOR	(E) FAN FILTER FF-7		1,176		9	20/1	- * -	20/1	10				(E) DOOR HOLDERS	
	(E) POWER POLE				11	20/1	- - *	20/1	12				(E) PHARMACY	
MOTOR	(E) FAN FILTER FF-8	1,176			13	20/1	* - -	20/1	14				(E) PHARMACY	
1 MOTOR	(E) FAN FILTER FF-3		1,176		15	20/1	- * -	20/1	16				(E) MED REC LOUNGE	
MOTOR	(E) FAN FILTER FF-5			1,176	17	20/1	- - *	20/1	18				(E) PHARMACY	
	(E) PNEUMATIC SYSTEM				19	20/1	* - -	20/1	20				(E) DOOR STRIKE	
	(E) DICTATION				21	20/1	- * -	20/1	22				(E) SINGLE OUTLET SOUTH WALL	
	(E) DICTATION				23	20/1	- - *	20/1	24				(E) REF	
MOTOR	(E) FAN FILTER FF-2	1,176			25	20/1	* - -	20/1	26				(E) MED REC OFFICE	
1 MOTOR	(E) FAN FILTER FF-6		1,176		27	20/1	- * -	20/1	28				(E) OKI PRINTER	
MOTOR	(E) CAV-1,CAV-2,CAV-4			300	29	20/1	- - *	20/1	30				(E) SINGLE OUTLET SOUTH WALL	

PANEL CALCULATIONS:

LOAD TYPE:	LOAD (VA)	DEMAND FACTOR	DEMAND LOAD
RECEPTACLE	0	PER CEC ART. 220.44	0 VA
LIGHTING	0	125%	0 VA
MOTOR	7,356	100%	7,356 VA
MISC	0	100%	0 VA
	0	0%	0 VA
0 ELEVATOR(S)	0	0%	0 VA
0 X-RAY(S)	0	PER CEC ART. 517.73(2)	0 VA
25% OF LARGEST MOTOR			294 VA

LOAD SUMMARY:

PHASE A	2.4 KVA
PHASE B	3.5 KVA
PHASE C	1.5 KVA
TOTAL CONNECTED LOAD	7.4 KVA
TOTAL DEMAND LOAD	7.7 KVA
LINE-TO-LINE VOLTAGE	208 VOLTS
SPARE CAPACITY	0%
PANEL AMPS	21 AMPS

LOAD SUMMARY: (E)EABL

72-HR METER READING X 1.25	=	18.6 KVA
DATE OF RECORDING: (6/19/18 - 6/19/18)		
REMOVED LOAD	=	0.0 KVA
ADDED LOAD	=	7.7 KVA
TOTAL LOAD (KVA)	=	**26 KVA**
TOTAL LOAD (A) @ 208/120 VOLTS	=	73 A
MAIN BUS RATING / MAIN CB RATING	=	100 A

LOAD SUMMARY: (E)DIST BOARD EA1L

METER RECORDING X 1.25	=	31.7 KVA
DATE OF RECORDING: (6/19/18 - 6/19/18)		
REMOVED LOAD	=	0.00 KVA
ADDED LOAD	=	7.65 KVA
TOTAL LOAD (KVA)	=	**39 KVA**
TOTAL LOAD (A) @ 208/120 VOLTS	=	109 A
MAIN BUS RATING / MAIN CB RATING	=	400 A

1 PANEL SCHEDULES & LOAD SUMMARIES
NO SCALE

SFEIR 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

OWNER: TRI-CITY MEDICAL CENTER, 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

LICENSED ARCHITECT — JOSEPH MICHAEL SFEIR — No. C 28543 — REN. 1-31-19 — STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER — JAMES M. SLOCUM — E20825 — 07/31/17 — ELECTRICAL — STATE OF CALIFORNIA

REV.	DESCRIPTION:	DATE:
1	OSHPD COMMENTS	10-09-17
2	DESIGN CHANGES	10-09-17
3	OSHPD COMMENTS	12-11-17
4	DESIGN CHANGES	12-11-17
5	OSHPD COMMENTS	5-15-18
6	DESIGN CHANGES	6-05-18

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

OSHPD APPROVAL STAMP:

OSHPD #: S171641-37-00

SHEET TITLE:
PANEL SCHEDULES & LOAD SUMMARIES

PROJECT TITLE:
TCMC USP 800

PROJECT #: 01667.00
DRAWN BY: EC
CHECKED BY: RS
SCALE:
DATE: 07/31/17

SHEET NUMBER: E0.3

100% CONSTRUCTION DOCUMENT