TCMC OBSERVATION ROOM

TRI-CITY MEDICAL CENTER

4002 VISTA WAY
OCEANSIDE,
CALIFORNIA 92056

0021

100% CONSTRUCTION DOCUMENTS
09/22/16

1 OSHPD COMMENTS
01/18/2017

2 DESIGN CHANGES
01/18/2017

3 OSHPD COMMENTS
04/20/2017

4 OSHPD COMMENTS
06/14/2017

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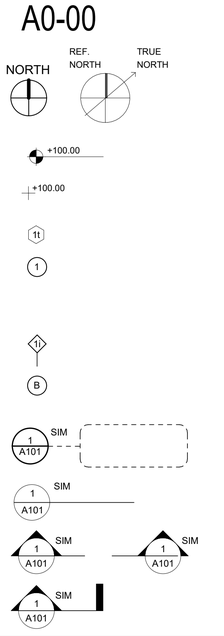
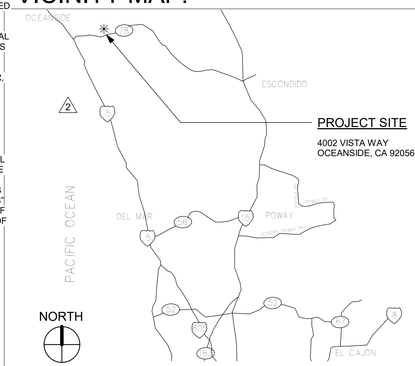
OSHPD PROJECT NUMBER:
S162581-37-00





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
GA	GAUGE	TEMP	TEMPORARY
GALV	GALVANIZED	THK	THICK
GB	GRAB BAR	TYP	TYPICAL
GL	GLASS	UON	UNLESS OTHERWISE NOTED
GYP	GYPSUM	VCT	VINYL COMPOSITE TILE
HDR	HEADER	VERT	VERTICAL
HDWD	HARDWOOD	VEST	VESTIBULE
HDWR	HARDWARE	W/	WITH
HGT	HEIGHT	WD	WOOD
		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.
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:

SHEET NUMBER
NORTH ARROW
ELEVATION
ELEVATION IN PLAN
WINDOW/FRAME NUMBER
DRAWING KEYNOTE
EQUIPMENT NUMBER
WALL TYPE
TOILET ACCESSORY
DETAIL IN PLAN
DETAIL IN SECTION
BUILDING SECTION
WALL SECTION

SEISMIC BRACING

SEISMIC BRACING - CBC 2013 CHAPTER 16A/ASCE 7-10 HVAC DUCTWORK, PLUMBING/ PIPING AND CONDUIT SYSTEMS.

1. ALL PIPES, DUCTS AND CONDUIT SHALL BE BRACED TO RESIST THE FORCES PRESCRIBED IN 2013 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).
2. 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 = 1.5 IF EITHER OF THE FOLLOWING CONDITIONS IS MET FOR THE FULL LENGTH OF EACH DUCT RUN:
   - A. TRAPEZE ASSEMBLIES ARE USED TO SUPPORT DUCTWORK AND THE TOTAL WEIGHT FOR THE DUCTWORK SUPPORTED BY TRAPEZE ASSEMBLIES IS LESS THAN 10 LB/FT OR
   - B. THE DUCTWORK IS SUPPORTED BY HANGERS AND EACH HANGER IN THE DUCT RUN IS 12" OR LESS IN LENGTH FORM THE DUCT SUPPORT POINT TO THE SUPPORTING STRUCTURE. WHERE ROD HANGERS ARE USED WITH A DIAMETER GREATER THAN 3/8", THEY SHALL BE EQUIPPED WITH SWIVELS TO PREVENT INELASTIC BENDING IN THE ROD.
   - C. WHERE PROVISIONS ARE MADE TO AVOID IMPACT WITH LARGER DUCTS OR MECHANICAL COMPONENTS ROT O PROTECT THE DUCTS IN THE EVENT OF SUCH, AND HVAC DUCTS HAVE A CROSS-SECTION AREA OF 6 FT2 OR LESS, OR WEIGH 10 LB/FT OR LESS.

   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 CBC CH. 16A. 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 CBC 1616A.1.26.

   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 Ip IS GREATER THAN 1.0, THE NOMINAL PIPE SIZE SHALL BE 1 IN. (25 MM) OR LESS.
      - B. FOR SEISMIC DESIGN CATEGORIES D,E, OR F WHERE Ip 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 2013 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: 2013 CBC SECTIONS 107 AND 1616A.

NOTE:

SEISMICALLY RESTRAIN ALL SUSPENDED UTILITY SYSTEMS IN CONFORMANCE WITH REQUIREMENTS OF THE 2013 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.

TYPICAL PRE-APPROVED SYSTEMS INCLUDED THE FOLLOWING:

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

REFERENCE: 2013 CAC SECTIONS 7-115, 7-126, AND CBC 2013 SECTION 107.

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 2013 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 2013, 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: 2013 CAC SECTIONS 7-115, 7-126, 7-153, AND CBC 2013 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 CENTERED BETWEEN 34 INCHES AND 44 INCHES ABOVE THE FLOOR. 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

    FOR RAMPS. MINIMUM WIDTH SHALL BE 48".
12. 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
13. FLOOR.

    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
14. FLOOR.

    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.
15. 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.
16. 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.
17. 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
18. 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

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. A CLARIFICATION WILL BE ISSUED TO THE SUCCESSFUL BIDDER AS SOON AS FEASIBLE AFTER THE AWARD AND, IF APPROPRIATE, A DEDUCTIVE CHANGE ORDER WILL BE ISSUED.
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 ABOVE 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 TO INCLUDE AN ALLOWANCE TO FURNISH AND APPLY CRETESEAL 2000 CONCRETE SEALER OR APPROVED EQUAL ON SLAB ON GRADE.

OSHPD INTENT STATEMENT

THE INTENT OF THE DRAWINGS AND SPECIFICATIONS IS TO BUILD IN ACCORDANCE WITHTHE 2013 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.

VICINITY MAP:

INDEX OF DRAWINGS:

	COVER SHEET
	ARCHITECTURAL
A0-00	PROJECT INFORMATION
A1-00	SITE - ZONING - CODE
A1-01	OVERALL FIRST FLOOR PLAN
A1-01A	CODE COMPLIANCE FIRST FLOOR PLAN
A1-02	ADA COMPLIANCE DETAILS
A4-00	1/4" PARTIAL DEMO FIRST
A4-10	1/4" PARTIAL FIRST
A4-20	1/4" PARTIAL DEMO RCP FIRST
A4-30	1/4" PARTIAL RCP FIRST
A4-40	1/4" INTERIOR ELEVATIONS
A5-00	FIRE RATED ASSEMBLIES
A5-01	TYPICAL RATED PARTITION ASSEMBLIES
A5-60	DETAILS
A6-00	DOOR AND INTERIOR OPENINGS SCHEDULE
	INTERIOR FINISHES
ID-1	1/4" PARTIAL FINISHES FIRST
	STRUCTURAL
S-1	GENERAL NOTES TYPICAL DETAILS
S-2	PARTIAL FIRST FLOOR PLAN
SD1	DETAILS
SD2	DETAILS
	MECHANICAL
M0-10	GENERAL NOTES, LEGEND, AND SHEET INDEX
M0-20	SCHEDULES
M2-10	DEMOLITION AND RENOVATION PLANS
M6-10	DETAILS
	PLUMBING
P0-10	GENERAL NOTES, LEGEND, AND SHEET INDEX
P0-20	SCHEDULES
P2-10	DEMOLITION AND RENOVATION PLANS
	ELECTRICAL
E0-10	NOTES, ABBREVIATIONS AND LEGEND
E0-11	SINGLE LINE DIAGRAM AND SCHEDULES
E1-10	OVERALL PLAN
E2-10	DEMOLITION AND RENOVATION PLANS

DEFERRED APPROVALS:

1. MODIFICATIONS TO THE FIRE ALARM SYSTEM FOR ACTUATION OF THE FIRE/SMOKE DAMPER.
2. MODIFICATIONS TO THE FIRE SPRINKLER SYSTEM FOR REMOVAL, REPLACEMENT AND/OR RELOCATIONS OF FIRE SPRINKLER HEADS.

PROJECT INFORMATION:

SCOPE OF WORK:

RENOVATIONS IN EXISTING BEHAVIORAL HEALTH UNIT AS FOLLOWS:

1. RENOVATE EXISTING PATIENT ROOM 168 IN THE BHU TO AN OBSERVATION ROOM WITH AN ANTEROOM AND AN ACCESSIBLE TOILET ROOM.
2. MODIFY EXISTING WALL AND CABINETRY BETWEEN THE NEW OBSERVATION ROOM AND ADJACENT NURSE STATION FOR A WINDOW IN THE WALL.

TOTAL RENOVATED AREA IS 360 SQ. FT.

BUILDING DESCRIPTION: 4	CONSTRUCTION CLASSIFICATION:
NUMBER OF STORIES: 1 STORIES	SEISMIC ZONE 4
OCCUPANCY GROUP: 1-2	3HR STRUCTURAL FRAME 2
TYPE OF CONSTRUCTION: I-A 1	2HR FLOOR-CEILING
FIRE ZONE: 3	1 1/2 HR ROOF
FIRE SPRINKLERS: YES	

APPLICABLE CODES AND REGULATIONS:

2013 CALIFORNIA ADMINISTRATIVE CODE (CAC) (PART 1, TITLE 24, CCR)

2013 CALIFORNIA BUILDING CODE (CBC) (PART 2, TITLE 24, CCR)
BASED ON THE 2012 INTERNATIONAL BUIDING CODE (IBC)

2013 CALIFORNIA ELECTRIC CODE (CEC) (PART 3, TITLE 24, CCR)
BASED ON THE 2011 NATIONAL ELECTRICAL CODE (NEC)

2013 CALIFORNIA MECHANICAL CODE (CMC) (PART 4, TITLE 24, CCR)
BASED ON THE 2012 UNIFORM MECHANICAL CODE (UMC)

2013 CALIFORNIA PLUMBING CODE (CPC) (PART 5, TITLE 24, CCR)
BASED ON THE 2012 UNIFORM PLUMBING CODE CODE (UPC)

2013 CALIFORNIA FIRE CODE (CFC) (PART 9, TITLE 24, CCR)
BASED ON THE 2012 INTERNATIONAL FIRE CODE (IFC)

OSHPD APPROVAL:

APPLICATION NUMBER: S162581-37-00

S F E I R
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San Diego, CA 92101

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LICENSED ARCHITECT
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No. C28543
REN. 1-31-17
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CONSULTANT

OSHPD APPROVAL STAMP:
OSHPD #: S162581-37-00

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

07/06/2017 10:48:54 AM
#[S162581-37-00]

SHEET TITLE:
PROJECT INFORMATION

PROJECT TITLE:
TCMC OBSERVATION ROOM

PROJECT #: 01643.00
DRAWN BY: Author
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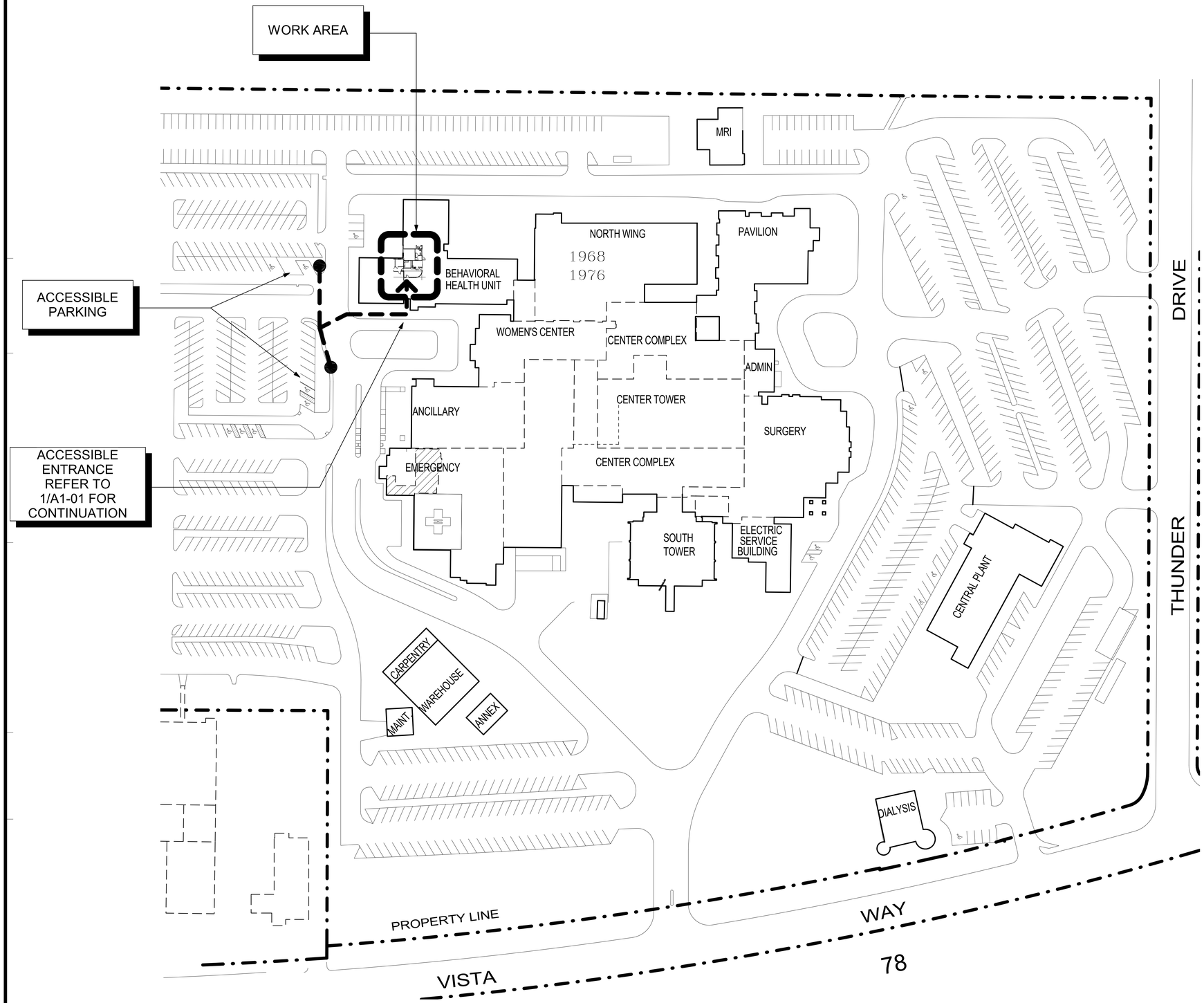
SCALE: NTS
DATE: 10/11/16

SHEET NUMBER:
A0-00

100% CONSTRUCTION DOCUMENTS



1 SITE PLAN
1" = 60'-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.
- SB — SB — INDICATES AN EXISTING 1 HOUR SMOKE BARRIER
- SP — SP — INDICATES AN EXISTING SMOKE PARTITION
- FP — FP — INDICATES AN EXISTING ONE HOUR FIRE RATED PARTITION TO REMAIN. ALL PENETRATIONS SHALL BE PROTECTED WITH A U.L LISTED FIRE STOP SYSTEM.
- FB — FB — INDICATES AN EXISTING ONE HOUR RATED FIRE BARRIER TO REMAIN, ALL PENETRATIONS SHALL BE PROTECTED WITH A U.L LISTED FIRE STOP SYSTEM.
- FB — FB — INDICATES AN EXISTING TWO HOUR RATED FIRE BARRIER TO REMAIN, ALL PENETRATIONS SHALL BE PROTECTED WITH A U.L LISTED FIRE STOP SYSTEM.
- SB — SB — INDICATES A NEW SMOKE BARRIER
- SP — SP — INDICATES A NEW SMOKE PARTITION
- FP — FP — INDICATES A NEW ONE HOUR RATED FIRE PARTITION EXTENDING TO THE UNDERSIDE OF THE STRUCTURE ABOVE. ALL PENETRATIONS SHALL BE PROTECTED WITH A U.L LISTED FIRE STOP SYSTEM.
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- 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 A5-00.

PARTITION NOTES:

1. ALL DIMENSIONS SHOWN ARE TO FINISHED FACE OF GYP. BOARD, TYPICAL U.O.N. REFER TO SHEET A5-00 FOR GENERAL NOTES AND REQUIREMENTS FOR PARTITIONS.
2. EXISTING WALL'S WERE CONSTRUCTED WITH MANY PERMITS AND/OR CONTRACTS. FIELD VERIFY CONSTRUCTION AND WIDTH PRIOR TO FABRICATION OF DOOR FRAMES OR COMPONENTS WHICH REQUIRE THE WIDTH OF WALL TO BE SET.

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CONSULTANT

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OSHPD #: S162581-37-00

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

07/06/2017 10:48:54 AM
#[S162581-37-00]

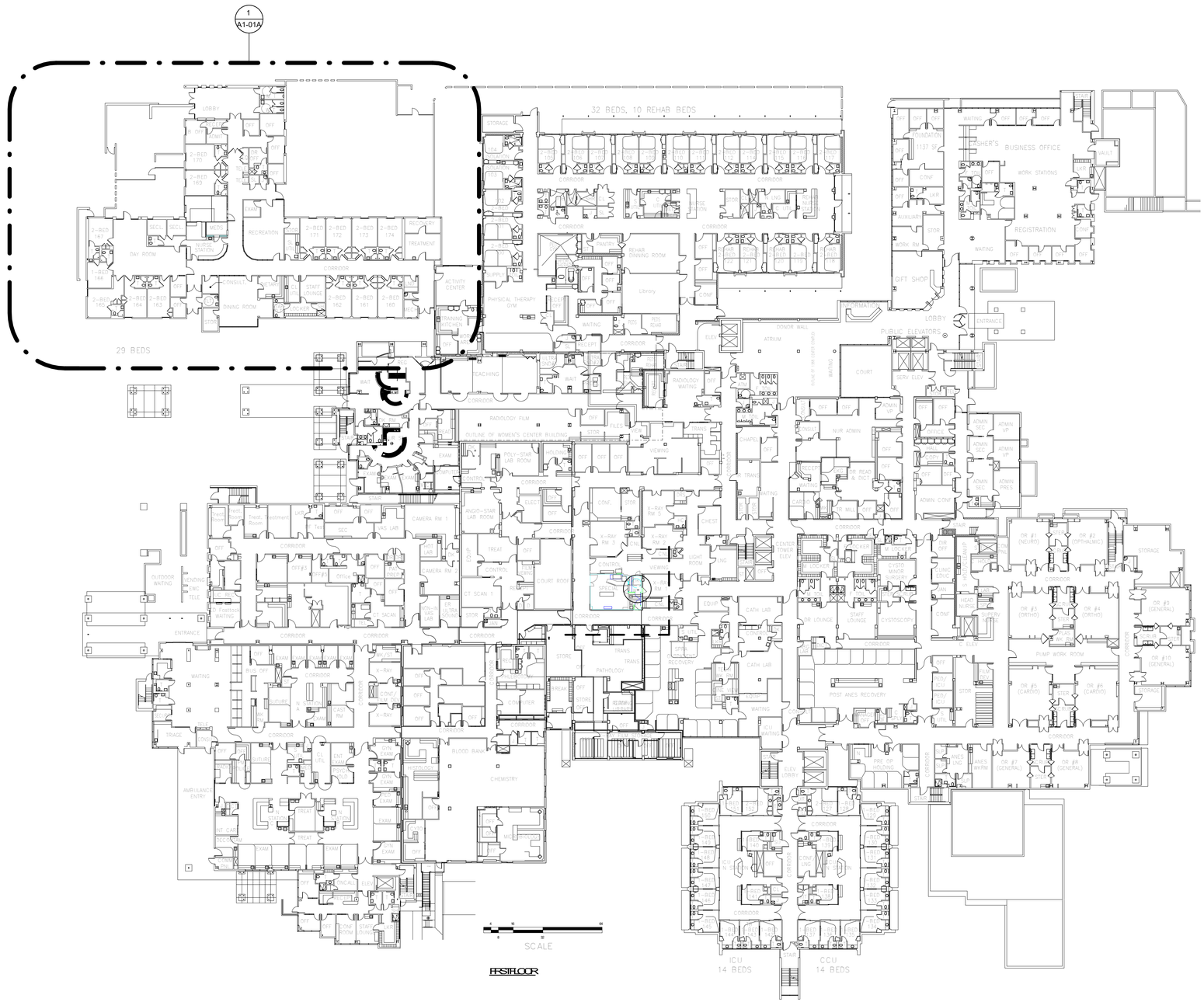
SHEET TITLE:
SITE - ZONING - CODE

PROJECT TITLE:
TCMC OBSERVATION ROOM

PROJECT #: 01643.00
DRAWN BY: Author
CHECKED BY: Checker
SCALE: As indicated
DATE: 10/11/16

SHEET NUMBER:
A1-00

100% CONSTRUCTION DOCUMENTS



1 OVERALL FIRST FLOOR PLAN
1" = 30'-0"

NORTH

GENERAL NOTES:

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ME&P: P2S, 9665 CHESAPEAKE, SUITE 230, SAN DIEGO, CALIFORNIA 92123, TEL(619)618-2347

LICENSED ARCHITECT — JOSEPH MICHEL SFEIR — No. C 28543 — REN. 1-31-17 — STATE OF CALIFORNIA

REV:		DESCRIPTION:	DATE:
1	1	OSHPD COMMENTS	01/18/2017
2	2	DESIGN CHANGES	01/18/2017
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CONSULTANT

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APPROVED
Laura Baldrati, Sr. Architect
Office of Statewide Health Planning & Development
FACILITIES DEVELOPMENT DIVISION

07/06/2017 10:48:54 AM
#[S162581-37-00]

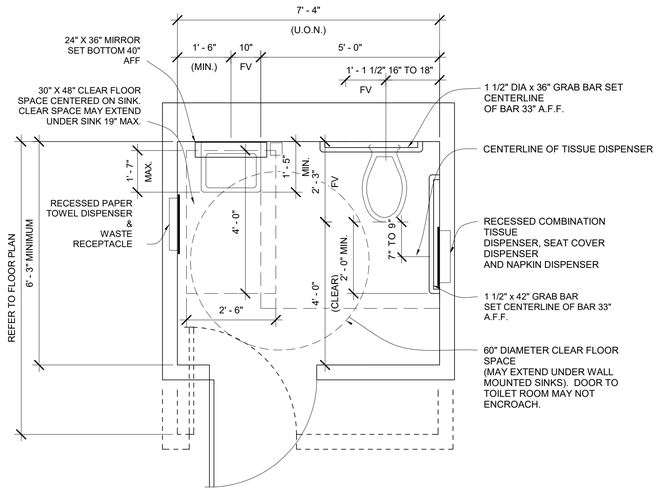
SHEET TITLE:
OVERALL FIRST FLOOR PLAN

PROJECT TITLE:
TCMC OBSERVATION ROOM

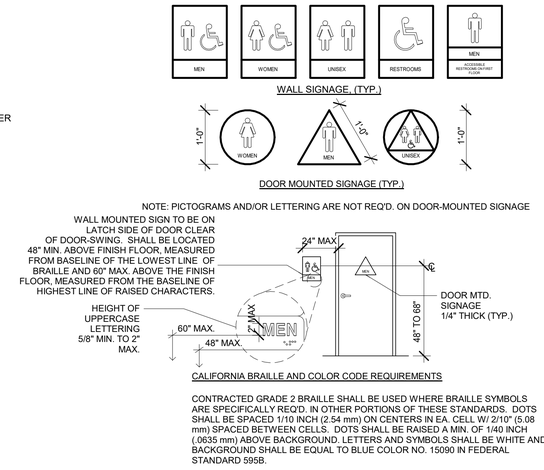
PROJECT #: 01643.00
DRAWN BY: Author
CHECKED BY: Checker
SCALE: As indicated
DATE: 10/11/16

SHEET NUMBER: A1-01

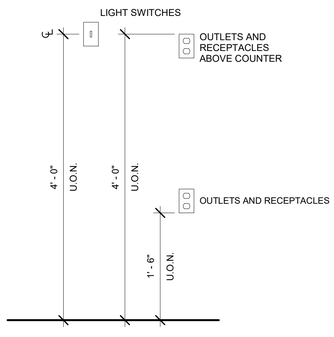
100% CONSTRUCTION DOCUMENTS



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



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



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

GENERAL NOTES:

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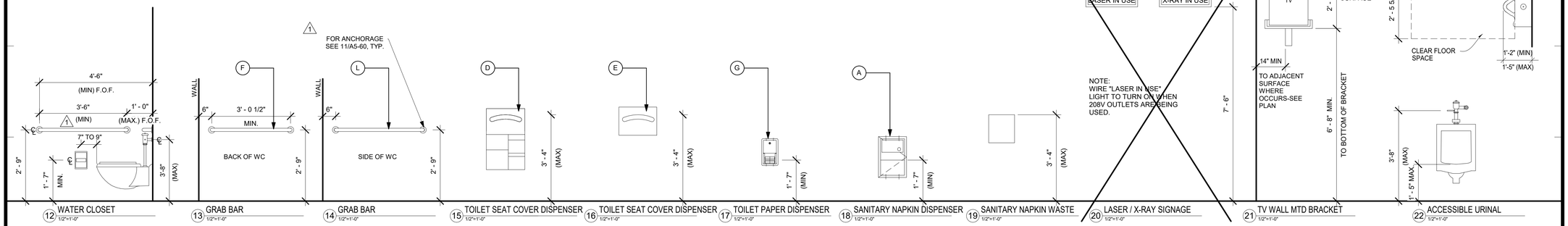
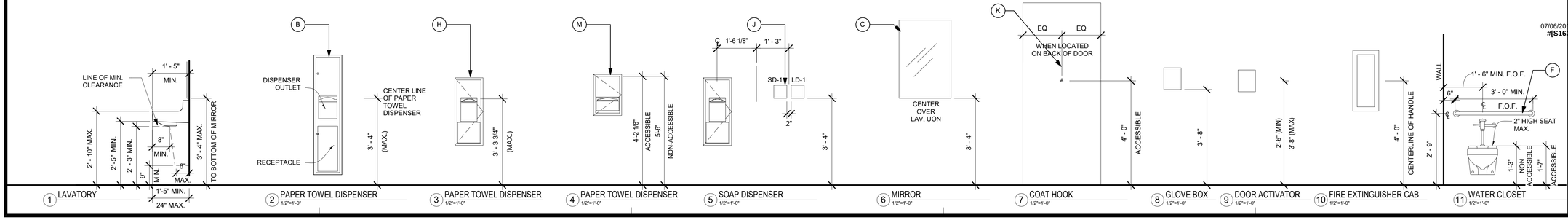
ACCESSORY SCHED.- TOILET

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" | 13 GRAB BAR 1/2"=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"

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REV: DESCRIPTION: DATE:

CONSULTANT

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SHEET TITLE:
ADA COMPLIANCE DETAILS

PROJECT TITLE:
TCMC OBSERVATION ROOM

PROJECT #: 01643.00
DRAWN BY: Author
CHECKED BY: Checker
SCALE: As indicated
DATE: 10/11/16

SHEET NUMBER:
A1-02

100% CONSTRUCTION DOCUMENTS

DEMOLITION KEYNOTES:

1. REMOVE EXISTING PARTITION.
2. REMOVE EXISTING DOOR AND DOOR FRAME.
3. REMOVE EXISTING COUNTERTOP, BACKSPLASH, BASE & OVERHEAD CABINETS & SALVAGE.
4. REMOVE EXISTING PLUMBING FIXTURE.
5. REMOVE EXISTING FLOOR TILE, MORTAR BED & FLOOR DRAIN.
6. REMOVE EXISTING FLOOR FINISH & BASE.
7. TEMPORARILY REMOVE EXISTING WINDOW FOR CONSTRUCTION ACCESS AND EXHAUST FILTERED CONSTRUCTION DUCT. CLOSE OFF OPENING SECURELY WITH PLYWOOD AT THE END OF EVERY DAY.
8. 1 HOUR RATED TEMPORARY GYPSUM WALL BOARD PARTITION FROM FLOOR TO UNDERSIDE OF PARTITION ABOVE AND 20 MINUTE RATED TEMPORARY DOOR. TEMPORARY CONSTRUCTION BARRIER IS TO MEET THE REQUIREMENTS OF OSHPD CAN 9-3301.
9. INFECTION CONTROL VISQUEEN SHEETING WITH ZIPPER. TEMPORARY CONSTRUCTION BARRIER IS TO MEET THE REQUIREMENTS OF OSHPD CAN 9-3301.
10. REMOVE GWB FROM EXISTING PARTITION IN ITS ENTIRETY.
11. REMOVE PORTION OF EXISTING PARTITION FOR NEW WINDOW.
12. REMOVE EXISTING PUSH-BUTTON NURSE CALL & SALVAGE.
13. REMOVE EXISTING NURSE CALL.
14. SAWCUT EXISTING SLAB TO INSTALL NEW WASTE LINE.
15. ADD VISQUEEN SHEETING FROM TOP OF CEILING TO UNDERSIDE OF DECK ABOVE DURING CONSTRUCTIONTEMPORARY CONSTRUCTION BARRIER IS TO MEET THE REQUIREMENTS OF OSHPD CAN 9-3301.
16. REMOVE EXISTING FLOOR FINISH AS REQUIRED FOR WORK TO EXISTING CORRIDOR PARTITION.

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 SMOKE PARTITION
- FP — INDICATES AN EXISTING ONE HOUR FIRE RATED PARTITION TO REMAIN. ALL PENETRATIONS SHALL BE PROTECTED WITH A U.L LISTED FIRE STOP SYSTEM.
- FB — INDICATES AN EXISTING ONE HOUR RATED FIRE BARRIER TO REMAIN, ALL PENETRATIONS SHALL BE PROTECTED WITH A U.L LISTED FIRE STOP SYSTEM.
- FB — INDICATES AN EXISTING TWO HOUR RATED FIRE BARRIER TO REMAIN, ALL PENETRATIONS SHALL BE PROTECTED WITH A U.L LISTED FIRE STOP SYSTEM.
- SB — INDICATES A NEW SMOKE BARRIER
- SP — INDICATES A NEW 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 U.L 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 U.L LISTED FIRE STOP SYSTEM.
- THICK LINE INDICATES NEW SURFACE FINISH.
- INDICATES AN EXISTING STRUCTURAL CONCRETE WALL TO REMAIN. LOCATE REINFORCING STEEL AND OBTAIN APPROVAL FROM STRUCTURAL ENGINEER PRIOR TO CORING AND/ OR CUTTING.
- X — WALL TYPE REFERENCE REFER TO SHEET A5-00.

PARTITION NOTES:

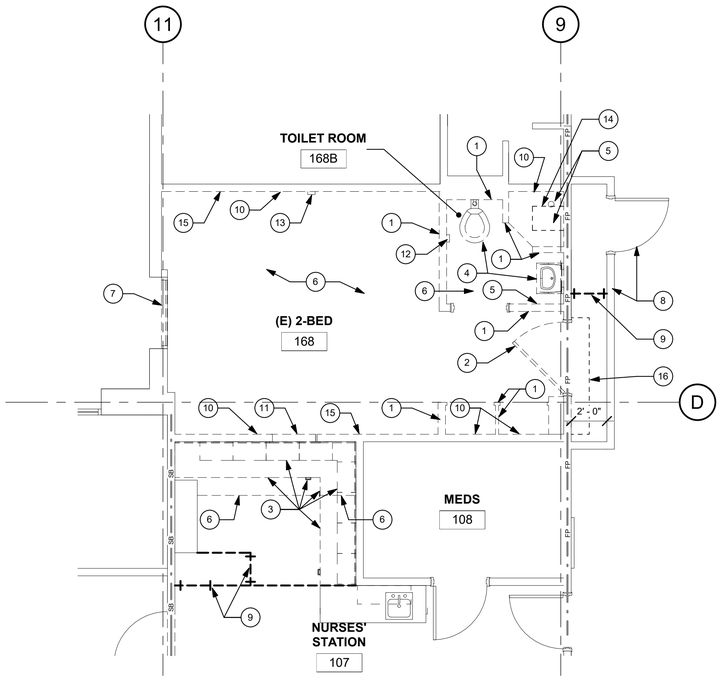
1. ALL DIMENSIONS SHOWN ARE TO FINISHED FACE OF GYP. BOARD. TYPICAL U.O.N. REFER TO SHEET A5-00 FOR GENERAL NOTES AND REQUIREMENTS FOR PARTITIONS.
2. EXISTING WALL'S WERE CONSTRUCTED WITH MANY PERMITS AND/OR CONTRACTS. FIELD VERIFY CONSTRUCTION AND WIDTH PRIOR TO FABRICATION OF DOOR FRAMES OR COMPONENTS WHICH REQUIRE THE WIDTH OF WALL TO BE SET.

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.

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 ACCOMODATE 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 IN EACH PHASE AND FILTER THE AIR WITH HEPA FILTRATION AND EXHAUST FILTER AIR THROUGH EXTERIOR WINDOWS. G.C. TO SECURE AN INFECTION CONTROL PERMIT FROM TRI CITY MEDICAL CENTER PRIOR TO STARTING CONSTRUCTION.



1 FIRST LEVEL DEMOLITION PLAN
1/4" = 1'-0"

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LICENSED ARCHITECT — JOSEPH MICHEL SFEIR — No. C 28544 — REN. 1-31-17 — STATE OF CALIFORNIA

1	1	OSHPD COMMENTS	01/18/2017
2	2	DESIGN CHANGES	01/18/2017
3	3	OSHPD COMMENTS	04/20/2017
4	4	OSHPD COMMENTS	06/14/2017

REV: DESCRIPTION: DATE:

CONSULTANT

OSHPD APPROVAL STAMP:
OSHPD #: S162581-37-00

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

07/06/2017 10:48:54 AM
#[S162581-37-00]

SHEET TITLE:
1/4" PARTIAL DEMO FIRST

PROJECT TITLE:
TCMC OBSERVATION ROOM

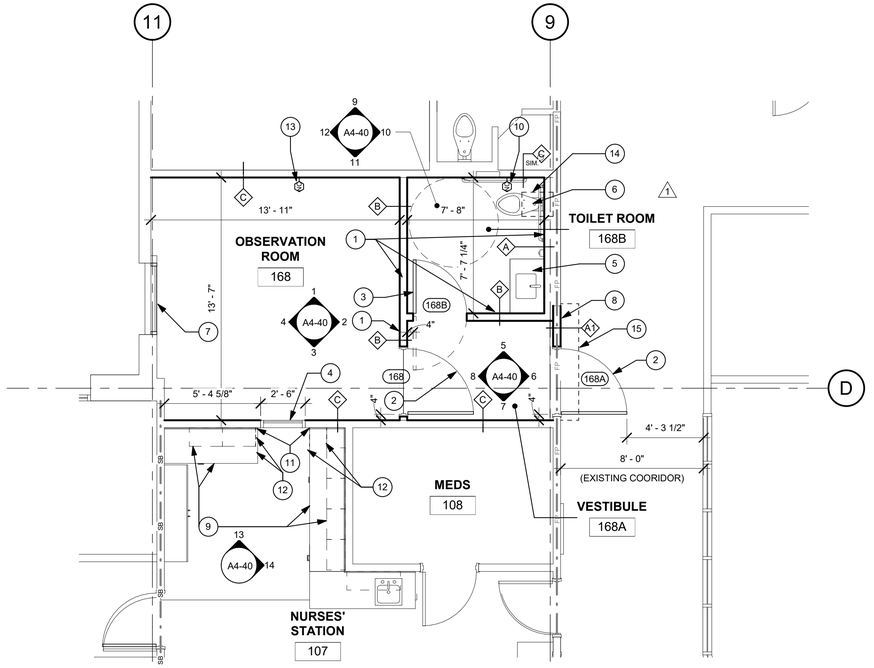
PROJECT #: 01643.00
DRAWN BY: Author
CHECKED BY: Checker
SCALE: As indicated
DATE: 10/11/16

SHEET NUMBER:
A4-00

100% CONSTRUCTION DOCUMENTS

FLOOR PLAN KEYNOTES:

1. NEW NON-RATED PARTITIONS.
2. NEW DOOR AND DOOR FRAME.
3. NEW DUAL ACTING DOOR AND DOOR FRAME.
4. NEW VANDAL RESISTANT WINDOW AND WINDOW FRAME.
5. NEW VANDAL/ SUICIDE RESISTANT LAVATORY.
6. NEW VANDAL/ SUICIDE RESISTANT WATER CLOSET FABRICATED FROM "CORIAN".
7. REINSTALL EXISTING WINDOW TO MATCH. INSTALL POLYCARBONATE COVERING OVER EXISTING EXTERIOR WINDOW
8. INFILL OPENING IN EXISTING RATED CORRIDOR PARTITION. SEE DETAILS 4/A5-01 AND 10/A5-60.
9. EXISTING REINSTALLED MODIFIED BASE AND OVERHEAD CABINETS.
10. EXISTING REINSTALLED PUSH-BUTTON NURSE CALL.
11. PATCH WALL AND BASE (SEE 2/ID-2) TO MATCH EXISTING. PRIME AND PAINT WALL TO MATCH EXISTING.
12. PATCH EXPOSED FACES OF RE-INSTALLED CASEWORK TO MATCH.
13. INSTALL NEW NURSE CALL AT EXISTING LOCATION.
14. REFER TO DETAIL 8/SD-1 FOR SLAB INFILL.
15. PATCH FLOOR FINISH TO MATCH EXISTING.



1 FIRST LEVEL NEW PLAN
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 FLOOR PLAN NOTES:

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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 AMD INTERIOR DESIGN DOCUMENTS FOR TYPES OF FINISHES.
13. FOR DOOR INFORMATION REFER TO DOOR SCHEDULE, SHEET A6-00.
14. REFER TO SHEETS A1-00, A1-02 AND A1-04 FOR ACCESSIBILITY REQUIREMENTS.
15. PROVIDE ACOUSTICAL INSULATION IN ALL NEW WALL ASSEMBLIES.
16. THE GENERAL CONTRACTOR SHALL VERIFY THE LEVELNESS OF THE SLAB AT ALL NEW DOOR LOCATIONS PRIOR TO CONSTRUCTION. APPLY LEVELING MATERIAL AS NECESSARY DURING CONSTRUCTION TO ACHIEVE MAX. OF 3/8" CLEARANCE FROM FINISH FLOOR TO UNDERSIDE OF NEW DOOR, REPLACE FINISHES TO MATCH EXISTING AS NEEDED.
17. THE GENERAL CONTRACTOR SHALL SEISMICALLY ANCHOR ALL EXISTING AND NEW BUILDING SYSTEMS ABOVE CEILING INCLUDING BUT NOT LIMITED TO DUCTWORK, ELECTRICAL CONDUITS AND TRAYS, SPRINKLER PIPES, PLUMBING PIPES, ETC. REFER TO A0-00 FOR MORE INFORMATION.

PARTITION LEGEND:

- ACCESSIBLE PATH OF TRAVEL.
- 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
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- FB — INDICATES A NEW ONE HOUR RATED FIRE BARRIER EXTENDING TO THE UNDERSIDE OF THE STRUCTURE ABOVE. ALL PENETRATIONS SHALL BE PROTECTED WITH A U.L LISTED FIRE STOP SYSTEM.
- THICK LINE INDICATES NEW SURFACE FINISH.
- 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 A5-00.

PARTITION NOTES:

1. ALL DIMENSIONS SHOWN ARE TO FINISHED FACE OF GYP. BOARD, TYPICAL U.O.N. REFER TO SHEET A5-00 FOR GENERAL NOTES AND REQUIREMENTS FOR PARTITIONS.
2. EXISTING WALL'S WERE CONSTRUCTED WITH MANY PERMITS AND/OR CONTRACTS. FIELD VERIFY CONSTRUCTION AND WIDTH PRIOR TO FABRICATION OF DOOR FRAMES OR COMPONENTS WHICH REQUIRE THE WIDTH OF WALL TO BE SET.

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LICENSED ARCHITECT — JOSEPH MICHEL SFEIR — NO. C 28543 — REN. 1-31-17 — STATE OF CALIFORNIA

1	1	OSHPD COMMENTS	01/18/2017
2	2	DESIGN CHANGES	01/18/2017
3	3	OSHPD COMMENTS	04/20/2017
4	4	OSHPD COMMENTS	06/14/2017

REV: DESCRIPTION: DATE:

CONSULTANT

OSHPD APPROVAL STAMP:
OSHPD #: S162581-37-00

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Laura Baldrati, Sr. Architect
Office of Statewide Health Planning & Development
FACILITIES DEVELOPMENT DIVISION
12/06/2017 10:48:54 AM
#[S162581-37-00]

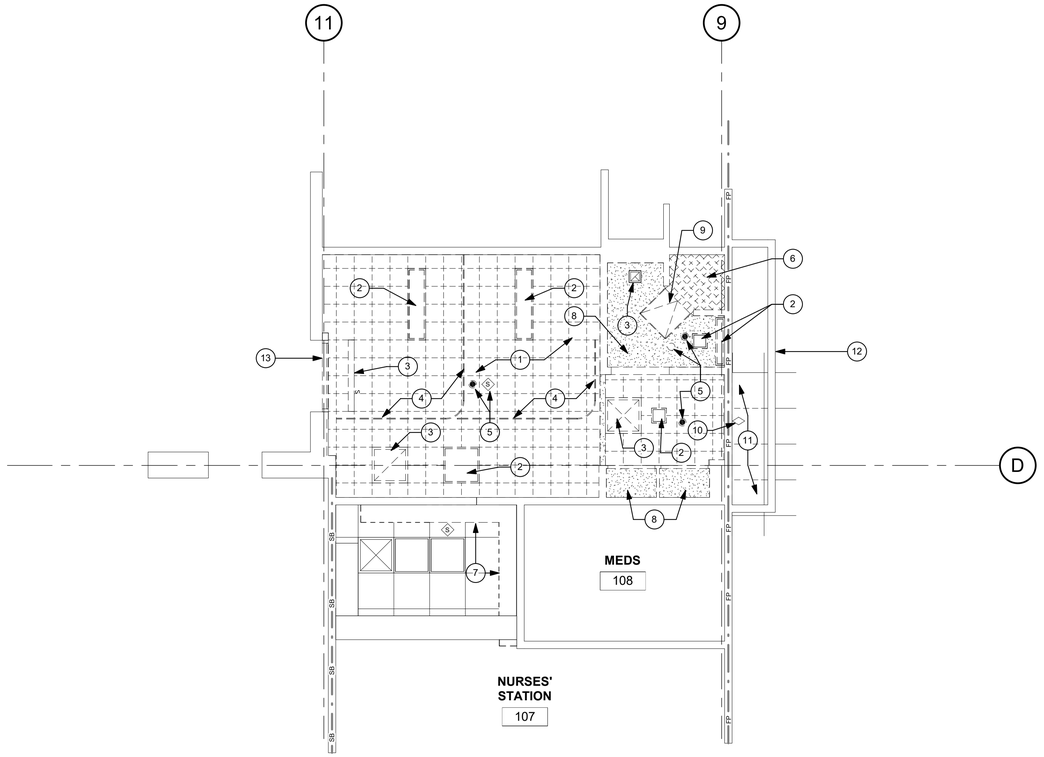
SHEET TITLE: 1/4" PARTIAL FIRST

PROJECT TITLE: TCMC OBSERVATION ROOM

PROJECT #: 01643.00
DRAWN BY: Author
CHECKED BY: Checker
SCALE: As indicated
DATE: 10/11/16

SHEET NUMBER: A4-10

100% CONSTRUCTION DOCUMENTS



1 FIRST LEVEL DEMOLITION RCP
1/4" = 1'-0"

RCP DEMOLITION KEYNOTES:

1. REMOVE EXISTING 12"X12" ACT CEILING.
2. REMOVE EXITSING LIGHT FIXTURE, REFER TO ELEC. DWGS.
3. REMOVE EXISTING MECH. AIR REGISTER - REFER TO MECH. DWGS.
4. REMOVE EXISTING CEILING MOUNTED CURTAIN TRACK.
5. REMOVE EXISTING CEILING MOUNTED FIXTURE.
6. REMOVE EXISTING CERAMIC TILE CEILING.
7. REMOVE EXISTING CASEWORK SOFFIT TO CEILING AND SALVAGE FOR REUSE.
8. REMOVE EXISTING GWB CEILING.
9. REMOVE EXISTING ACCESS PANEL.
10. REMOVE EXISTING NURSE CALL DOME LIGHT AND SALVAGE FOR RE-USE.
11. REMOVE PORTION OF EXISTING ACP CEILING AND SALVAGE FOR RE-USE.
12. ONE-HOUR RATED TEMPORARY PARTITION. SEE A/A4-00 FOR ADDITIONAL INFORMATION
13. TEMPORARILY REMOVE EXISTING WINDOW FOR CONSTRUCTION ACCESS AND EXHAUST FILTERED CONSTRUCTION DUCT.

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 SEPERATE CONTRACTS.

MATERIAL LEGEND:

- 2' X 2' ACOUSTICAL CEILING PANEL WITH TEGULAR EDGE
- 1' X 1' ACOUSTICAL CEILING TILE
- SUSPENDED GYP. BOARD CEILING
- 2X4 RECESSED LAY-IN FLOURESCENT LIGHT FIXTURE PROVIDE (2) SLACK SAFETY WIRES AT DIAGONAL CORNERS
- 2X2 RECESSED LAY-IN FLOURESCENT 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
- SMOKE DETECTOR EXISTING 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'x2' CEILING ACCESS PANEL
- 1'x1' CEILING ACCESS PANEL
- 1'x1' CEILING EXHAUST
- 1' x 1' CEILING HVAC SUPPLY
- 1' x 1' CEILING HVAC SUPPLY
- 1' x 4' FLOURESCENT CEILING LIGHT
- DOME CAMERA
- SPRINKLER
- AUDIBLE NURSE CALL
- DOME LIGHT NURSE CALL EXISTING
- CHIME STROBE

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TEL(619)618-2347

LICENSED ARCHITECT
JOSEPH MICHEL SFEIR
No. C28543
REN 1-31-17
STATE OF CALIFORNIA

REV:	DESCRIPTION:	DATE:
1	OSHPD COMMENTS	01/18/2017
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CONSULTANT

OSHPD APPROVAL STAMP:
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SHEET TITLE:
1/4" PARTIAL DEMO RCP FIRST

PROJECT TITLE:
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PROJECT #: 01643.00
DRAWN BY: AR/HT
CHECKED BY: JS
SCALE: As indicated
DATE: 10/11/16

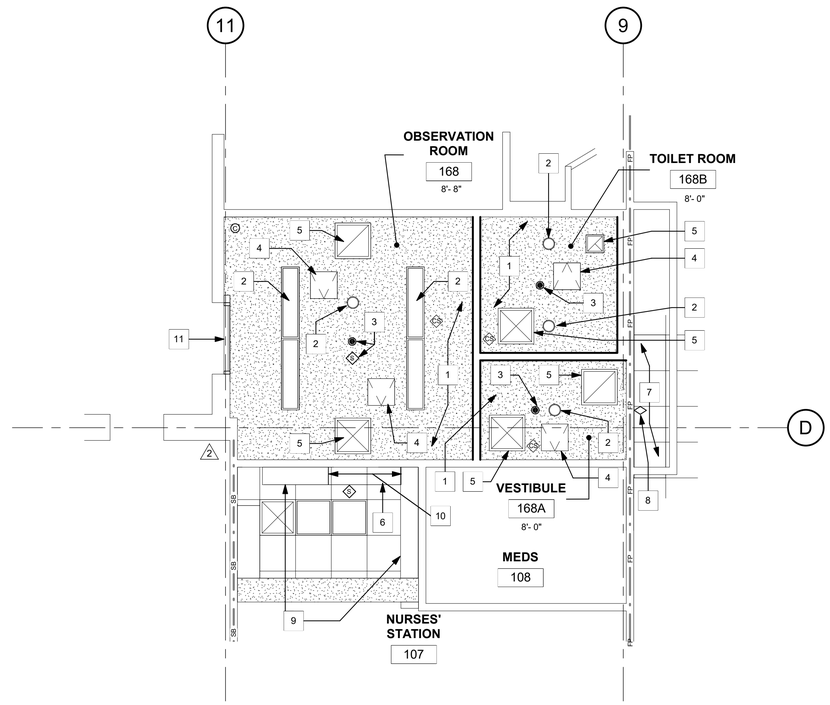
SHEET NUMBER: A4-20

100% CONSTRUCTION DOCUMENTS

RCP KEYNOTES:

4

1. CEILING IS NOT FIRE RATED. ROOF ABOVE CEILING IS RATED 1 1/2 HOURS AND COMPOSED OF 3" METALIC DECK WITH 3 1/4" LIGHT WEIGHT CONCRETE FILL.
2. NEW LIGHT FIXTURE WITH VANDAL PROOF ANCHORAGE AND SURFACE ATTACHMENT, REFER TO ELEC. DWGS.
3. NEW CEILING MOUNTED FIXTURE WITH VANDAL PROOF ANCHORAGE AND SURFACE ATTACHMENT, REFER TO MEP. DWGS.
4. NEW ACCESS PANEL.
5. NEW MECHANICAL AIR REGISTER, REFER TO MECH. DRAWINGS.
6. NEW 2' X 2' ACP CEILING TILE & GRID TO MATCH EXISTING.
7. RE-INSTALL SALVAGED CEILING TILES AND GRID TO MATCH EXISTING.
8. RELOCATED NURSE CALL DOME LIGHT.
9. EXISTING RE-INSTALLED MODIFIED CASEWORK.
10. PATCHED EXPOSED FACES OF RE-INSTALLED CASEWORK TO MATCH.
11. POLYCARBONATE COVERING OVER EXISTING EXTERIOR WINDOW.



1 FIRST LEVEL NEW RCP
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.

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:

- 2' X 2' ACOUSTICAL CEILING PANEL WITH TEGULAR EDGE
- 1' X 1' ACOUSTICAL CEILING TILE
- SUSPENDED GYP. BOARD CEILING
- 2X4 RECESSED LAY-IN FLOURESCENT LIGHT FIXTURE PROVIDE (2) SLACK SAFETY WIRES AT DIAGONAL CORNERS
- 2X2 RECESSED LAY-IN FLOURESCENT 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
- SMOKE DETECTOR EXISTING 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'x2' CEILING ACCESS PANEL
- 1'x1' CEILING ACCESS PANEL
- 1'x1' CEILING EXHAUST
- 1' x 1' CEILING HVAC SUPPLY
- 1' x 1' CEILING HVAC SUPPLY
- 1' x 4' FLOURESCENT CEILING LIGHT
- DOME CAMERA
- SPRINKLER
- AUDIBLE NURSE CALL
- DOME LIGHT NURSE CALL EXISTING
- CHIME STROBE

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

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TCMC OBSERVATION ROOM

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4002 VISTA WAY
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92056

OWNER: TRI-CITY MEDICAL CENTER
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ME&P: P2S
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SAN DIEGO, CALIFORNIA 92123
TEL(619)618-2347

LICENSED ARCHITECT
JOSEPH MICHEL SFEIR
No. C28543
REN. 1-31-17
STATE OF CALIFORNIA

REV:	DESCRIPTION:	DATE:
1	OSHPD COMMENTS	01/18/2017
2	DESIGN CHANGES	01/18/2017
3	OSHPD COMMENTS	04/20/2017
4	OSHPD COMMENTS	06/14/2017

CONSULTANT

OSHPD APPROVAL STAMP:
OSHPD #: S162581-37-00

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

07/06/2017 10:48:54 AM
#[S162581-37-00]

SHEET TITLE:
1/4" PARTIAL RCP FIRST

PROJECT TITLE:
TCMC OBSERVATION ROOM

PROJECT #: 01643.00
DRAWN BY: Author
CHECKED BY: Checker
SCALE: As indicated
DATE: 10/11/16

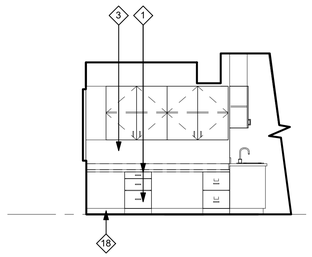
SHEET NUMBER:
A4-30

100% CONSTRUCTION DOCUMENTS

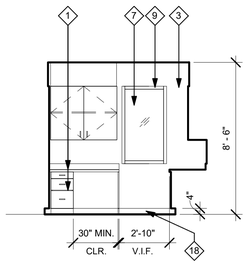
ACCESSORY SCHED - TOILET		
NOTE: MODEL NUMBERS REFERENCED REFER TO "BOBRICK WASHROOM EQUIPMENT CO."		
TAG	MODEL NUMBER	DESCRIPTION
A	B-353	RECESSED SANITARY NAPKIN DISPENSER
B	B-38034	RECESSED PAPER TOWEL DISPENSER & WASTE REC. (600 C-FOLD)
C	B-166 2436	24"x36" ANGLE FRAME MIRROR W/ 5" SHELF
D	B-3574	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.

ELEVATION KEYNOTES:

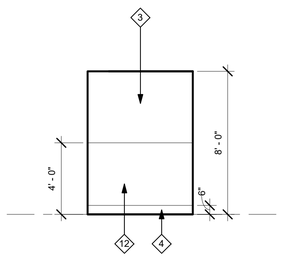
1. EXISTING MODIFIED COUNTER, BASE AND UPPER CABINETS.
2. PADDED WALL PROTECTION.
3. PRIME AND PAINT.
4. NEW INTEGRAL 6" SHEET VINYL COVE BASE. OMIT METAL TRIM AT TOP EDGE OF BASE. SEE 2 1D-1.
5. WALL MOUNTED ACCESSORY. SEE TOILET ACCESSORY SCHEDULE ON THIS SHEET.
6. NOT USED.
7. CLEAR POLYCARBONATE LEXAN GLAZING.
8. CLEAR POLYCARBONATE LEXAN GLAZING PANEL. ANCHOR TO EXISTING ALUMINUM FRAME WITH VANDAL PROOF ANCHORS @ 12" O.C.
9. PRIME AND PAINT THE WINDOW FRAMES.
10. PRIME AND PAINT THE DOOR AND DOOR FRAMES.
11. PRIME AND PAINT EXISTING WINDOW FRAMES.
12. ACROVYN WAINSCOT.
13. INSTALL NEW TAMPER-RESISTANT PUSH-BUTTON NURSE CALL AT EXISTING LOCATION.
14. NEW VANDAL/ SUICIDE RESISTANT LAVATORY.
15. NEW VANDAL/ SUICIDE RESISTANT WATER CLOSET "CORIAN".
16. 1/4" DIAMETER VENT HOLES @ 6" O.C.
17. POLYCARBONATE VANDAL RESISTANT WINDOW IN DOOR. SEE A6-00 FOR ADDITIONAL INFORMATION.
18. NEW BASE TO MATCH EXISTING.
19. EXISTING RELOCATED PUSH-BUTTON NURSE CALL.



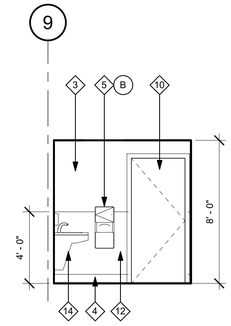
14 MEDS - EAST
1/4" = 1'-0"



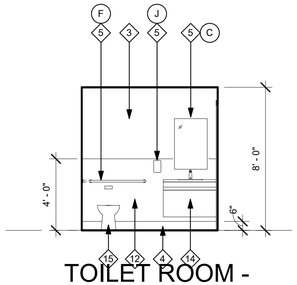
13 MEDS - NORTH
1/4" = 1'-0"



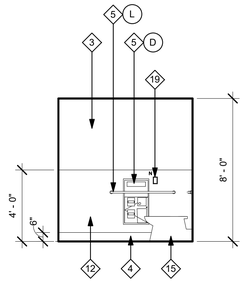
12 TOILET ROOM - WEST
1/4" = 1'-0"



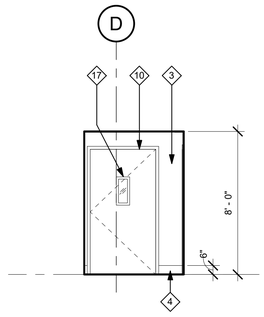
11 TOILET ROOM - SOUTH
1/4" = 1'-0"



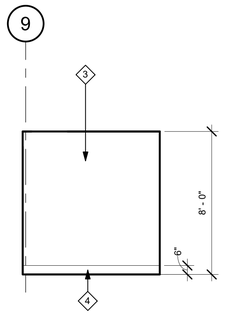
10 TOILET ROOM - EAST
1/4" = 1'-0"



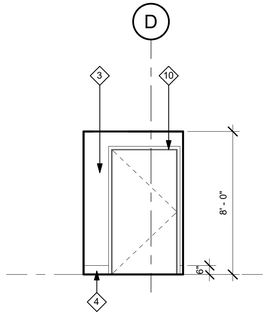
9 TOILET ROOM - NORTH
1/4" = 1'-0"



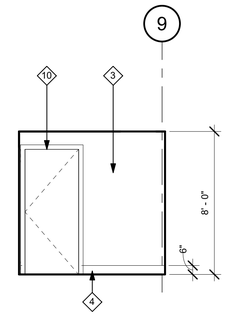
8 VESTIBULE - WEST
1/4" = 1'-0"



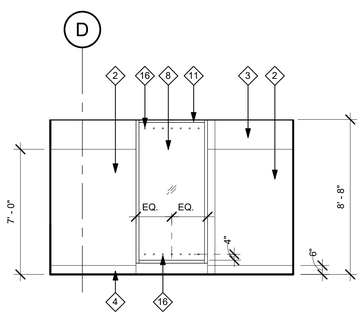
7 VESTIBULE - SOUTH
1/4" = 1'-0"



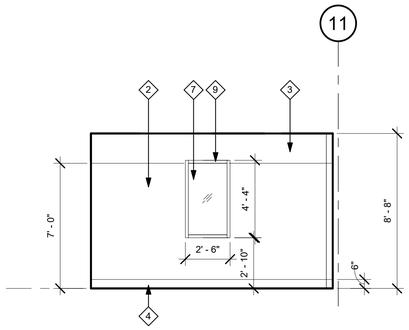
6 VESTIBULE - EAST
1/4" = 1'-0"



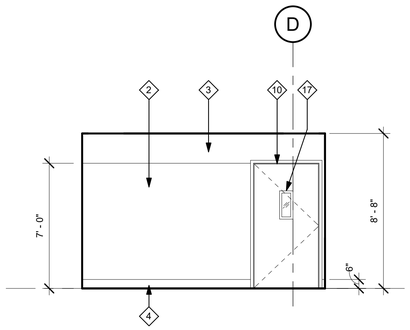
5 VESTIBULE - NORTH
1/4" = 1'-0"



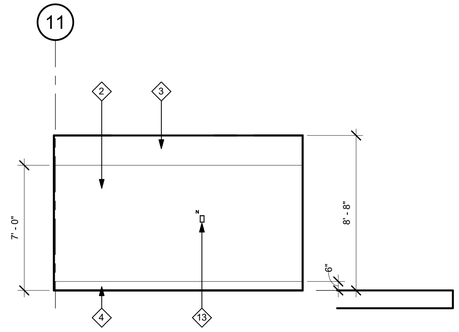
4 OBSERVATION ROOM - WEST
1/4" = 1'-0"



3 OBSERVATION ROOM - SOUTH
1/4" = 1'-0"



2 OBSERVATION ROOM - EAST
1/4" = 1'-0"



1 OBSERVATION ROOM - NORTH
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.

LEGEND:

1i REFER TO EQUIPMENT SCHEDULE.

1 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

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
C - CODE BLUE
D - DATA
DP - DICTAPHONE
DS - DIMMER SWITCH
E - DUPLEX ELECT. OUTLET
F - FAX MACHINE
IC - INTERCOM
J - JUNCTION BOX
N - NURSE CALL
NO - NITROUS OXIDE
O - OXYGEN
PS - NURSE CALL PULL STATION
S - SWITCH
T - TELEPHONE
TL - TASK LIGHT
TV - TELEVISION
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. FINISH ALL EXPOSED AND SEMI-EXPOSED SURFACES OF CASEWORK INCLUDING THE INTERIOR OF OPEN CASEWORK AND SHELVING WITH PLASTIC LAMINATE. ALL COUNTERTOPS SHALL BE PLASTIC LAMINATE UNLESS NOTED OTHERWISE.
3. PROVIDE PLASTIC LAMINATE SOFFIT TO ENCLOSE SPACE BETWEEN CEILING AND TOP OF CABINET. TYPICAL UNLESS NOTED OTHERWISE.
4. BASES ON CASEWORK SHALL BE 6" UNLESS OTHERWISE NOTED. PROVIDE SAME FINISH BASE MATERIAL AS ADJACENT WALLS. EXTEND BASE TO WALL AT ALL CABINET RETURNS AND END PANELS.
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 INFO.
9. REFER TO DETAILS 2 & 3 ON SHEET A5-80 FOR WALL CABINET 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.

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OWNER:	TRI-CITY MEDICAL CENTER 4002 VISTA WAY OCEANSIDE, CALIFORNIA 92056 TEL(760)724-8411
ARCHITECT:	SFEIR ARCHITECTS 1350 COLUMBIA STREET, SUITE 603 SAN DIEGO, CALIFORNIA 92101 TEL(619)299-3917 FAX(619)299-5084
STRUCTURAL:	SUN STRUCTURAL ENGINEERING, INC. 2091 LAS PALMAS DRIVE, SUITE D CARLSBAD, CALIFORNIA 92011 TEL(760)438-1188
ME&P:	P2S 9665 CHESAPEAKE, SUITE 230 SAN DIEGO, CALIFORNIA 92123 TEL(619)618-2347

LICENSED ARCHITECT JOSEPH MICHEL SFEIR No. C 28643 REN. 1-31-17 STATE OF CALIFORNIA

1	1	OSHPD COMMENTS	01/18/2017
2	2	DESIGN CHANGES	01/18/2017
3	3	OSHPD COMMENTS	04/20/2017
4	4	OSHPD COMMENTS	06/14/2017

REV: DESCRIPTION: DATE:

CONSULTANT

OSHPD APPROVAL STAMP:
OSHPD #: S162581-37-00

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

07/06/2017 10:48:54 AM
#[S162581-37-00]

SHEET TITLE:
1/4" INTERIOR ELEVATIONS

PROJECT TITLE:
TCMC OBSERVATION ROOM

PROJECT #: 01643.00
DRAWN BY: Author
CHECKED BY: Checker
SCALE: As indicated
DATE: 10/11/16

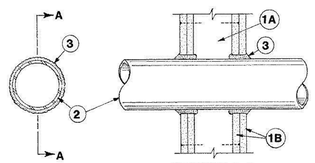
SHEET NUMBER:
A4-40

100% CONSTRUCTION DOCUMENTS

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

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, 2, 3 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 to gypsum board/penetrant interface at point contact location on both sides of wall. The hourly F Rating of the firestop system is dependent upon the hourly fire rating of the wall assembly in which it is installed, as shown in the following table. The hourly T Rating of the firestop system is dependent upon the type or size of 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

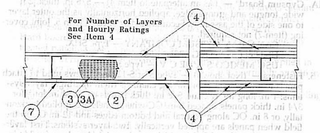
+When copper pipe is used, T Rating is 0 h.

3M COMPANY — CP 25WB+ or FB-3000 WT.

*Bearing the UL Classification Mark

2 METALLIC WALL PENETRATION
12" = 1'-0"

Design No. U419
Nonbearing Wall Ratings — 1, 2, 3 or 4 Hr (See Items 3 & 4)



1. **Floor and Ceiling Runners** — (Not shown) — Channel shaped, fabricated from min 25 MSG corrosion-protected steel, min width to accommodate stud size, with min 1 in. long legs, attached to floor and ceiling with fasteners 24 in. OC max.
2. **Steel Studs** — Channel shaped, fabricated from min 25 MSG corrosion-protected steel, min width as indicated under Item 4, min 1-1/4 in. flanges and 1/4 in. return, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.
3. **Batts and Blankets*** — (Required as indicated under Item 4) — Mineral wool batts, friction fitted between studs and runners. Min nom thickness as indicated under Item 4. See **Batts and Blankets (BKNV or BZJZ) Categories** for names of Classified companies.

3A. **Batts and Blankets*** — (Optional) — Placed in stud cavities, any glass fiber or mineral wool insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance. See **Batts and Blankets (BKNV or BZJZ) Categories** for names of Classified companies.

4. **Gypsum Board*** — Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Vertical joints in adjacent layers (multilayer systems) staggered one stud cavity. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems) staggered a min of 12 in. The thickness and number of layers for the 1 hr, 2 hr, 3 hr and 4 hr ratings are as follows:

Wallboard Protection on Each Side of Wall

Rating	Min Stud Depth	No. of Layers & Thkns of Panel	Min Thkns of Insulation (Item 3)
1	3-1/2	1 layer, 5/8 in. thick	Optional
1	2-1/2	1 layer, 1/2 in. thick	1-1/2 in.
1	1-5/8	1 layer, 3/4 in. thick	Optional
2	1-5/8	2 layers, 1/2 in. thick	Optional
2	1-5/8	2 layers, 5/8 in. thick	Optional
2	3-1/2	1 layer, 3/4 in. thick	3 in.
3	1-5/8	3 layers, 1/2 in. thick	Optional
3	1-5/8	2 layers, 3/4 in. thick	Optional
3	1-5/8	3 layers, 5/8 in. thick	Optional
4	1-5/8	4 layers, 5/8 in. thick	Optional
4	1-5/8	4 layers, 1/2 in. thick	Optional
4	2-1/2	2 layers, 3/4 in. thick	2 in.

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

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

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

6A. **Steel Framing Members (Not Shown)*** — (Optional on one or both sides, not shown, for single or double layer systems) — As an alternate to Item 6, furring channels and Steel Framing Members as described below:
   a. **Furring Channels** — Formed of No. 25 MSG galv steel. 2-3/8 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Gypsum board attached to furring channels as described in Item 5. Not for use with Item 4A.
   b. **Steel Framing Members*** — Used to attach furring channels (Item 6a) to studs (Item 2). Clips spaced max. 48 in. OC., and secured to studs with No. 8 x 1-1/2 in. minimum self-drilling, S-12 steel screw through the center grommet. Furring channels are friction fitted into clips.
      PAC INTERNATIONAL INC —Type RSIC-1.

7. **Joint Tape and Compound** — Vinyl or casein, dry or premixed joint compound applied in two coats to joints and screw heads of outer layers. Paper tape, nom 2 in. wide, embedded in first layer of compound over all joints of outer layer panels. Paper tape and joint compound may be omitted when gypsum panels are supplied with a square edge.
8. **Siding, Brick or Stucco** — (Optional, not shown) — Aluminum, vinyl, or steel siding, brick veneer or stucco, meeting the requirements of local code agencies, installed over gypsum panels. Brick veneer attached to studs with corrugated metal wall ties attached to each stud with steel screws, not more than each sixth course of brick.
9. **Caulking and Sealants*** — (Optional, not shown) — A bead of acoustical sealant applied around the partition perimeter for sound control.
   UNITED STATES GYPSUM CO —Type AS

*Bearing the UL Classification Mark

1 RATED WALL
12" = 1'-0"

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TCMC OBSERVATION ROOM

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92056

OWNER: TRI-CITY MEDICAL CENTER
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SAN DIEGO, CALIFORNIA 92101
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ME&P: P2S
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SAN DIEGO, CALIFORNIA 92123
TEL(619)618-2347

LICENSED ARCHITECT — JOSEPH MICHEL SFEIR — No. C 28543 — REN. 31-17 — STATE OF CALIFORNIA

REV:	DESCRIPTION:	DATE:
1	OSHPD COMMENTS	01/18/2017
2	DESIGN CHANGES	01/18/2017
3	OSHPD COMMENTS	04/20/2017
4	OSHPD COMMENTS	06/14/2017

CONSULTANT

OSHPD APPROVAL STAMP
OSHPD #: S162581-37-00

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

07/06/2017 10:48:54 AM
#[S162581-37-00]

SHEET TITLE:
FIRE RATED ASSEMBLIES

PROJECT TITLE:
TCMC OBSERVATION ROOM

PROJECT #: 01643.00
DRAWN BY: Author
CHECKED BY: Checker
SCALE: 12" = 1'-0"
DATE: 10/11/16
SHEET NUMBER: A5-00

100% CONSTRUCTION DOCUMENTS

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 SHALL BE DOUBLE STUDDED WITH 16 GA.STUDS EXTENDED TO STRUCTURE ABOVE REFER TO 4/A5-00 WHERE STUDS CANNOT EXTEND TO STRUCTURE ABOVE DUE TO OBSTRUCTIONS, BRACE PER DETAIL 5/A5-00 FRAME ALL OPENINGS PER HEADER DETAILS 5 AND 6 ON A6-00.

5. PROVIDE 6" STEEL STUDS AT ALL WALLS AND/OR WALLS WHERE RECESSED ELECTRICAL PANELS OR FIRE EXTINGUISHER CABINETS ARE LOCATED UNLESS NOTED OTHERWISE. COORDINATE WITH RELATED SUB-CONTRACTORS.

6. PROVIDE STEEL TRACK BACKING AT ALL WALL MOUNTED DOOR STOPS. REFER 10/S-1.

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 ALLS 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 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.C. REPORTS:
"CEMCO"- I.C.C. #ER-3403P (STUDS AND TRACKS)
"ITW RAMSET/REDHEAD"- I.C.C. #1639
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.C. REPORT. BRACE ALL STUDS AS REQUIRED SO AS NOT TO EXCEED THOSE ALLOWED HEIGHTS SET BY THE MFR. AND THE I.C.C. REPORT. SUBMIT FOR APPROVAL, CURRENT I.C.C. REPORT.

STUD	DESIGNATION	MAXIMUM HEIGHT 16" O.C.	MAXIMUM HEIGHT 24" O.C.	REMARKS
3 5/8"-18 GA.	362S200	16'-1"	14'-1"	INTERIOR ONLY
6"-16 GA.	600S200	24'-1"	21'-1"	INTERIOR ONLY

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SAN DIEGO, CALIFORNIA 92123
TEL(619)618-2347

LICENSED ARCHITECT
JOSEPH MICHEL SFEIR
No. C28543
REN. 1-31-17
STATE OF CALIFORNIA

1	1	OSHPD COMMENTS	01/18/2017
2	2	DESIGN CHANGES	01/18/2017
3	3	OSHPD COMMENTS	04/20/2017
4	4	OSHPD COMMENTS	06/14/2017

REV: DESCRIPTION: DATE:

CONSULTANT

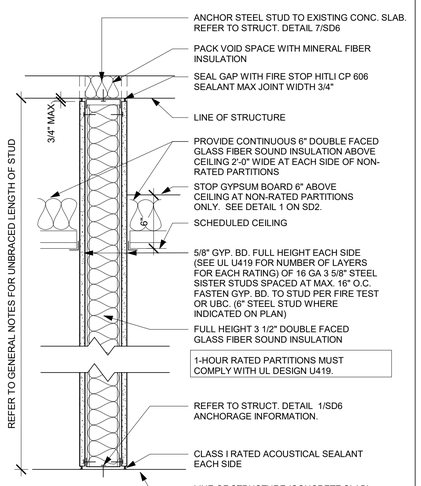
OSHPD APPROVAL STAMP:
OSHPD #: S162581-37-00

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Laura Baldrati, Sr. Architect
Office of Statewide Health Planning & Development
FACILITIES DEVELOPMENT DIVISION
07/06/2017 10:48:54 AM
#[S162581-37-00]

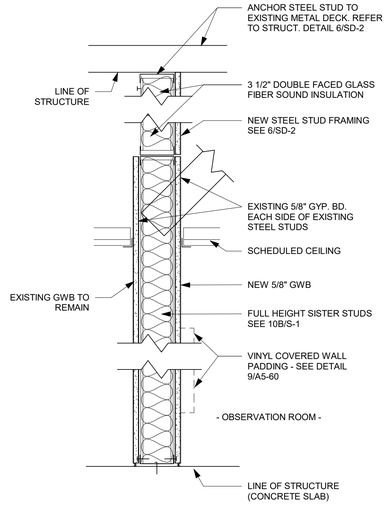
SHEET TITLE:
TYPICAL RATED PARTITION ASSEMBLIES

PROJECT TITLE:
TCMC OBSERVATION ROOM

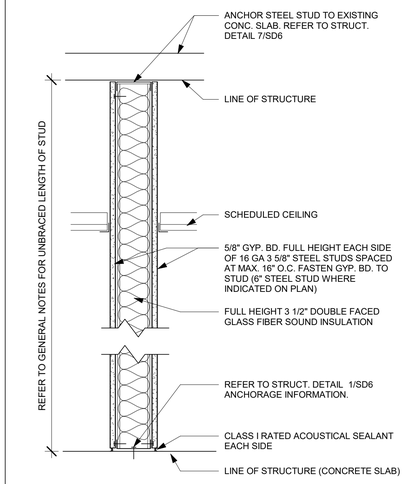
PROJECT #: 01643.00
DRAWN BY: Author
CHECKED BY: Checker
SCALE: As indicated
DATE: 10/11/16
SHEET NUMBER: A5-01



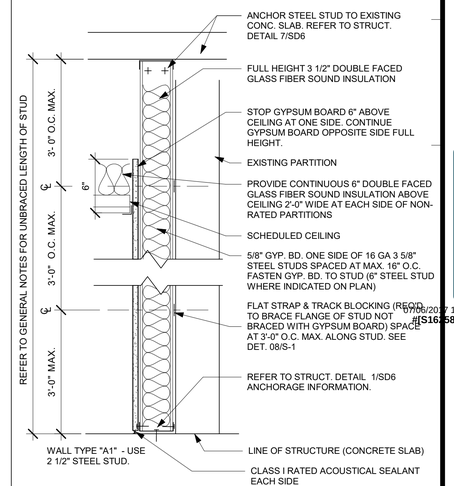
4 WALL TYPE "A1" - RATED
1 1/2" = 1'-0"



3 WALL TYPE "C" - NOT RATED
1 1/2" = 1'-0"

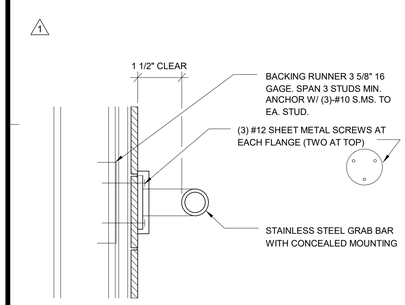


2 WALL TYPE "B" - NOT RATED
1 1/2" = 1'-0"



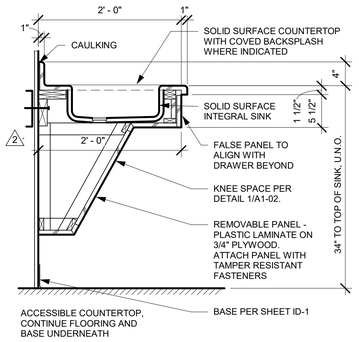
1 WALL TYPE "A" - NOT RATED
1 1/2" = 1'-0"

100% CONSTRUCTION DOCUMENTS



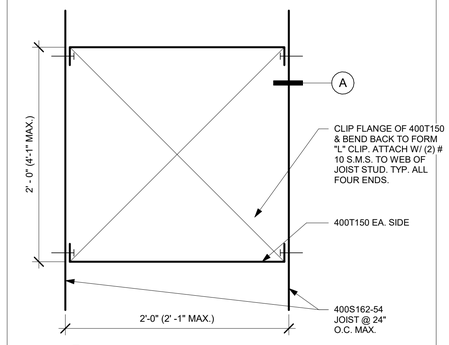
GRAB BAR ANCHORAGE AT WALL TYPE "W2"

11 GRAB BAR
3" = 1'-0"

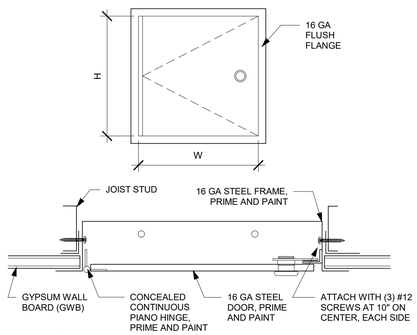


8 COUNTER W/ INTEGRAL SINK
1" = 1'-0"

4 SPLICE AT COLD ROLLED CHANNEL1
12" = 1'-0"

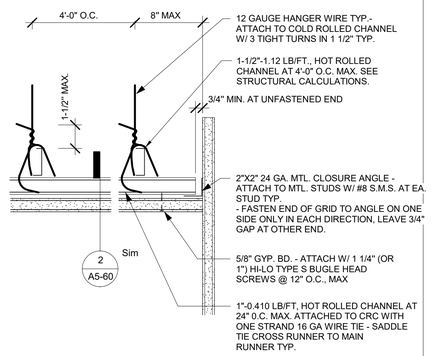


B OPENING FRAMING

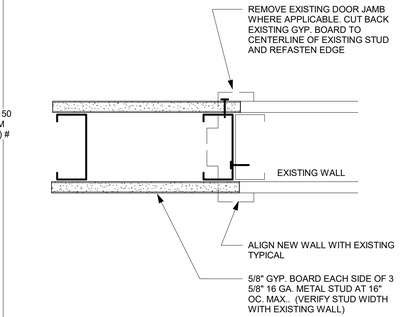


A OPENING FRAMING

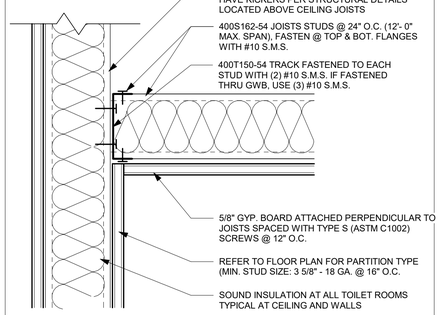
7 CEILING ACCESS PANEL.
1 1/2" = 1'-0"



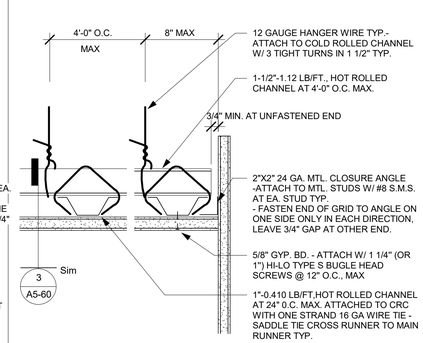
3 CEILING SUPPORT (PARALLEL)1
12" = 1'-0"



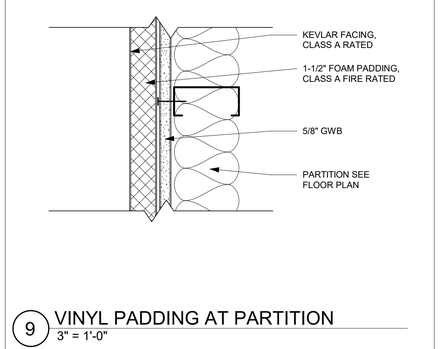
10 INFILL WALL OPENING
3" = 1'-0"



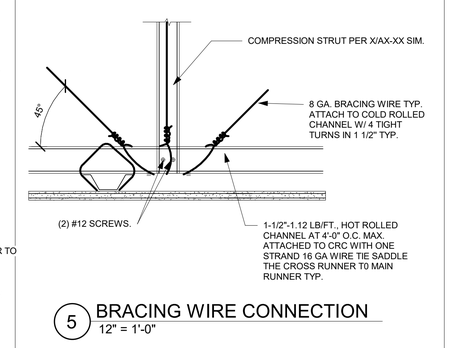
6 JOISTED GYPSUM CEILING
3" = 1'-0"



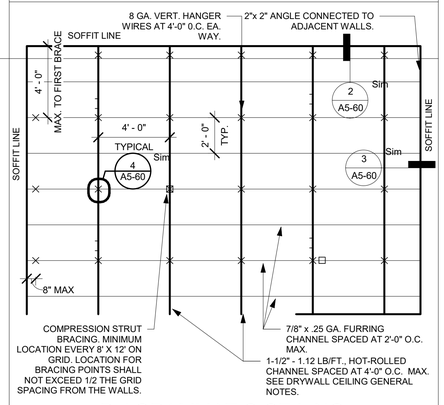
2 CEILING SUPPORT (PERPENDICULAR)1
12" = 1'-0"



9 VINYL PADDING AT PARTITION
3" = 1'-0"



5 BRACING WIRE CONNECTION
12" = 1'-0"



1 DIAGRAMMATIC CEILING PLAN-GWB 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 2007 AND ASCE 7-05.

(A) GENERAL: GYP BD SUSPENDED CEILING SYSTEMS SHALL BE DESIGNED & CONSTRUCTED IN ACCORDANCE WITH CBC 2007 AND THE FOLLOWING INTERPRETATIONS:

(B) MATERIALS. MATERIALS ARE TO COMPLY WITH APPLICABLE CBC STANDARDS

(C) DESIGN. FOR LATERAL LOAD - REFER TO ASCE 7-05 SECTION 13.5.6 FOR LATERAL FORCE BRACING.

(D) DETAILS OF CONSTRUCTION.

(1) GENERAL: GYP BD CEILINGS SHALL NOT SUPPORT MATERIALS OR BUILDING COMPONENTS OTHER THAN GRILLES, LIGHT FIXTURES, SMALL ELECT. CONDUITS, SMALL DUCTS AND THE LIKE. ALL SUCH COMPONENTS SHOULD BE SUPPORTED EITHER DIRECTLY FROM MAIN RUNNERS, OR BY SUPPLEMENTAL FRAMING WHICH IS SUPPORTED BY MAIN RUNNERS. NO VERTICAL LOADS OTHER THAN GYPBOARD DEAD LOAD SHOULD BE APPLIED TO CROSS- FURRING.

(2) VERTICAL SUPPORT SYSTEM.

(A) HANGER WIRES AND MAIN RUNNERS SHALL BE SPACED AT 4'-0" EA. WAY O.C. MAXIMUM. COMPLY WITH THE FOLLOWING REQUIREMENTS:

I. VERTICAL HANGER WIRES SHALL BE NO. 8 GA. & GALVANIZED, SPACED 4'- 0" EA. WAY O.C. MAXIMUM.

II. MAIN RUNNERS SHALL BE 1-1/2"-1.12 LB/FT, HOT-ROLLED CHANNEL.

III. CROSS-FURRING SHALL BE 1"-0.410 LB/FT, HOT ROLLED CHANNEL 24" MAX. O.C.

(B) THE FOLLOWING REQUIREMENTS APPLY TO ALL WIRE HANGER/RUNNER COMBINATIONS:

I. HANGERS SHALL BE SADDLE-TIED AROUND MAIN RUNNERS TO DEVELOP THE FULL STRENGTH OF THE HANGERS.

II. CROSS-FURRING SHALL BE SADDLE-TIED TO THE MAIN RUNNERS WITH ONE STRAND OF NO. 16 OR TWO STRANDS OF NO. 18 GAGE TIE WIRE.

III. MAIN RUNNERS SHALL BE SPLICED BY LAPPING AND INTERLOCKING FLANGES 12" MINIMUM AND TYING NEAR EACH END WITH DOUBLE LOOPS OF NO. 16 GAGE WIRE.

IV. CROSS-FURRING SHALL BE SPLICED BY LAPPING AND INTERLOCKING THE PIECES 8" MINIMUM AND TYING NEAR EACH END WITH DOUBLE LOOPS OF NO. 16 GAGE WIRE AND 2-#10 SMS.

V. A MAIN RUNNER SHALL BE PLACED WITHIN 8" OF PARALLELING WALLS.

VI. THE ENDS OF MAIN RUNNERS AT WALLS SHALL BE SUPPORTED 8" MAXIMUM FROM THEIR ENDS BY VERTICAL HANGERS. END WITH DOUBLE LOOPS OF NO. 16 GAGE WIRE.

VII. SHEET METAL SCREWS SHALL BE 1-1/4" HI-LO S BUGLE HEAD SCREWS SPACED 12"O.C. MAXIMUM. SCREW EDGE DISTANCE IN GYPSUM BOARD SHALL BE 3/8" MIN. SUBSTITUTION OF 1" LONG SCREWS FOR 1-1/4" LONG SCREWS IS PERMITTED.

(C) THE FOLLOWING REQUIREMENTS APPLY TO ALL HANGER WIRES AND BRACING WIRES:

I. HANGER WIRES SHALL BE FASTENED WITH NOT LESS THAN 3 TIGHT TURNS. BRACING WIRES SHALL BE FASTENED WITH NO LESS THAN 4 TIGHT TURNS. MAKE ALL TIGHT TURNS WITHIN A DISTANCE OF 1-1/2". HANGER OR BRACING WIRE ANCHORS TO THE STRUCTURE SHALL BE INSTALLED IN SUCH A MANNER THAT THE DIRECTION OF THE WIRE ALIGNS AS CLOSELY AS POSSIBLE WITH THE DIRECTION OF THE FORCES ACTING ON THE WIRE. NOTE: WIRE TURNS MADE BY MACHINE WHERE BOTH STRANDS HAVE BEEN DEFORMED OR BENT IN WRAPPING CAN WAIVE THE 1-1/2" REQUIREMENT, BUT THE NUMBER OF TURNS SHALL BE MAINTAINED, AND BE AS TIGHT AS POSSIBLE.

II. SEPARATE ALL CEILING HANGING AND BRACING WIRES BY AT LEAST 6" FROM ALL UNBRACED DUCTS, PIPES, CONDUIT, ETC. IT IS ACCEPTABLE TO ATTACH LIGHTWEIGHT ITEMS, SUCH AS SINGLE ELECTRICAL CONDUIT NOT EXCEEDING 3/4" NOMINAL DIAMETER, TO HANGER WIRES ONLY, USING ACCEPTABLE CONNECTORS.

III. WHEN DRILLED-IN CONCRETE ANCHORS OR SHOT-IN ANCHORS ARE USED IN REINFORCED CONCRETE FOR HANGER WIRES, 1 OUT OF 10 WIRES, 1 MUST BE FIELD TESTED FOR 200 POUNDS OF TENSION. WHEN DRILLED-IN CONCRETE ANCHORS ARE USED FOR BRACING OUT OF 2 MUST BE FIELD TESTED FOR 440 POUNDS OF TENSION. SHOT-IN ANCHORS IN CONCRETE ARE NOT PERMITTED FOR BRACING WIRES.

(D) LIGHT FIXTURE SUPPORT.

I. ALL RECESSED OR DROP-IN LIGHT FIXTURES SHALL BE SUPPORTED DIRECTLY BY MAIN RUNNERS OR BY SUPPLEMENTAL FRAMING WHICH IS SUPPORTED BY MAIN RUNNERS.

II. 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 CATCHES DO NOT COMPLY.

(E) LATERAL SYSTEM

I. SEISMIC BRACE TO CEILING ABOVE AS FOR ACOUSTICAL TILE SUSPENSION SYSTEM. USE #12 DIAGONAL WIRES SPACED ON A 8'x12' GRID AND WITHIN 4'-0" OF WALLS. SEISMIC BRACE TO BE LOCATED AT INTERSECTION OF MAIN RUNNER AND CROSS-FURRING MEMBER. PROVIDE CONNECTION BETWEEN DIAGONAL WIRES AND MAIN RUNNER SO AS TO PREVENT SLIPPING FOR A 200# APPROXIMATE SEISMIC LOAD.

II. PROVIDE "LATERAL FORCE BRACING" NOTES PER CBC, FOR HOSPITALS MAX. SPACING OF COMPRESSION STRUTS AT 8'-0" X 12'-0". REFER TO DSA IR'S 25-2 AND 25-3.

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REV:	DESCRIPTION:	DATE:
1	OSHPD COMMENTS	01/18/2017
2	DESIGN CHANGES	01/18/2017
3	OSHPD COMMENTS	04/20/2017
4	OSHPD COMMENTS	06/14/2017

CONSULTANT

OSHPD APPROVAL STAMP:
OSHPD #: S162581-37-00

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Laura Baldrati, Sr. Architect
Office of Statewide Health Planning & Development
FACILITIES DEVELOPMENT DIVISION
07/06/2017 10:48:54 AM
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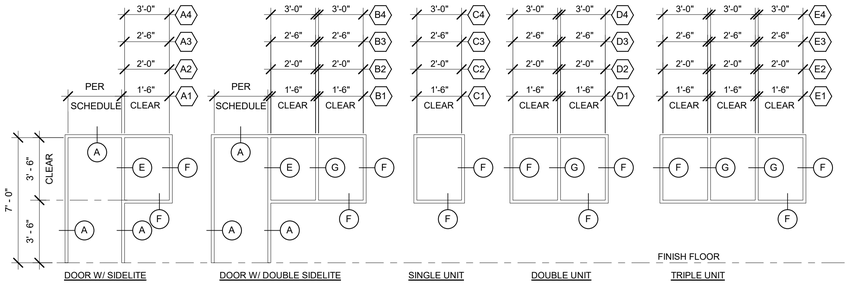
SHEET TITLE:
DETAILS

PROJECT TITLE:
TCMC OBSERVATION ROOM

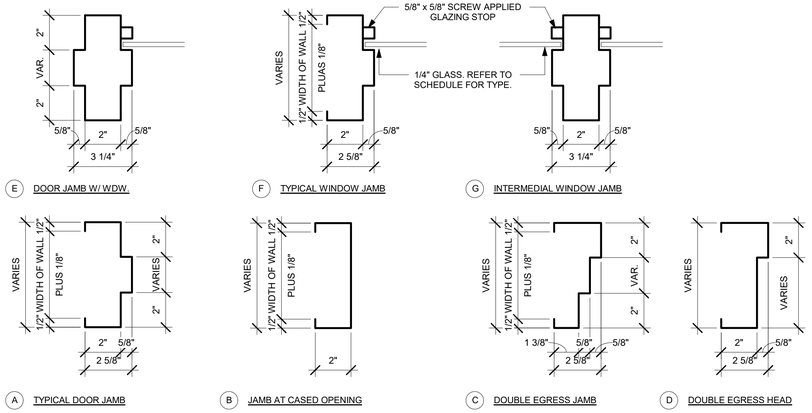
PROJECT #: 01643.00
DRAWN BY: Author
CHECKED BY: Checker
SCALE: As indicated
DATE: 10/11/16
SHEET NUMBER: A5-60

100% CONSTRUCTION DOCUMENTS



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

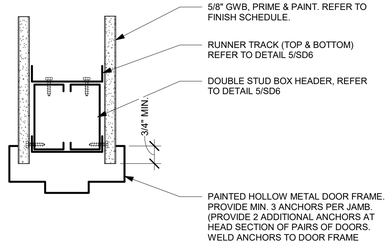
NOTES:
1. GLAZE WINDOWS WITH 1/4" POLISHED WIRE GLASS IN PAINTED STEEL FRAME. SET ALL GLAZING STOPS ON CORRIDOR SIDE OF FRAME.
2. REFER TO DETAIL 8 THIS SHEET FOR FRAMES.



4 FRAME TYPES
3" = 1'-0"

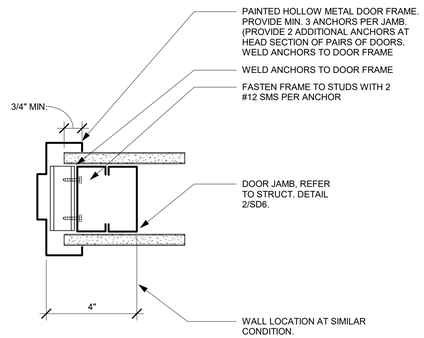
DOOR AND FRAME SCHEDULE

OPNG. NO.	DOOR TYPE	DOOR OPENING SIZE (W)	DOOR OPENING SIZE (H)	DOOR MATERIAL	DOOR FINISH	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	DETAILS HEAD	DETAILS JAMB	DETAILS THRESHOLD	LABEL	HDWR. SET	NOTES:
168	1C	3' - 8"	7' - 0"	STEEL	PTD	4A	STEEL	PTD	5	6	N/A	NR	1	1 2 3 4 5 7
168A	1A	3' - 8"	7' - 0"	STEEL	PTD	4A	STEEL	PTD	5	6	N/A	20 MIN.	2	3 7
168B	1A	3' - 0"	7' - 0"	STEEL	PTD	4B	STEEL	PTD	5 SIM.	6 SIM.	N/A	NR	3	3 4 6 7



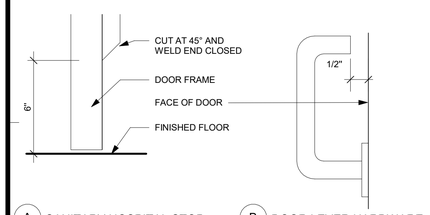
NOTE:
REFER TO FLOOR PLAN FOR REQUIRED PARTITION TYPE AND NUMBER OF GYP. BOARD LAYERS.

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

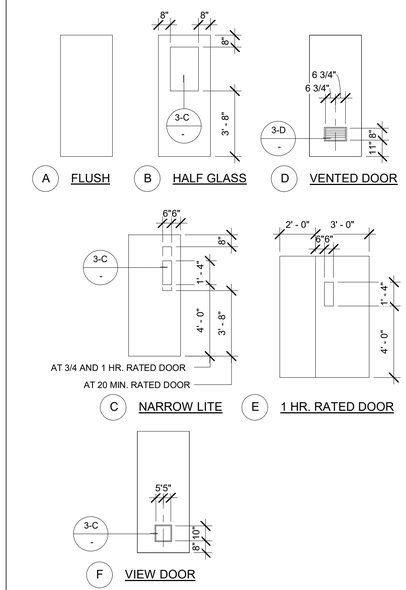


NOTE:
REFER TO FLOOR PLAN FOR REQUIRED PARTITION TYPE AND NUMBER OF GYP. BOARD LAYERS.

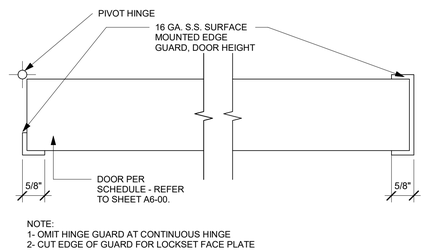
5 TYPICAL DOOR JAMB
3" = 1'-0"



2 DOOR DETAILS
12" = 1'-0"



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



NOTE:
1- OMIT HINGE GUARD AT CONTINUOUS HINGE
2- CUT EDGE OF GUARD FOR LOCKSET FACE PLATE

7 DOOR EDGE GUARD
6" = 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 2-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. PUSH PLATE ON OBSERVATION ROOM SIDE OF DOOR ONLY.
2. THREE POINT LATCHING ON ANTEROOM SIDE OF DOOR.
3. DOOR SHALL BEAR 'S' LABEL.
4. PROVIDE DOOR EDGE GUARD PER DETAIL 7/A6-00.
5. VIEW WINDOW IN DOOR TO BE CLASS A POLYCARBONATE.
6. DUAL-ACTING DOOR, FRAME & HINGES.
7. DOOR HINGE TO BE CONTINUOUS.

DOOR SCHEDULE FINISH LEGEND:

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

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CONSULTANT

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FACILITIES DEVELOPMENT DIVISION
07/06/2017 10:48:54 AM
#[S162581-37-00]

SHEET TITLE:
DOOR AND INTERIOR OPENINGS SCHEDULE

PROJECT TITLE:
TCMC OBSERVATION ROOM

PROJECT #: 01643.00
DRAWN BY: Author
CHECKED BY: Checker
SCALE: As indicated
DATE: 10/11/16
SHEET NUMBER: A6-00

100% CONSTRUCTION DOCUMENTS

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 2013 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 ½ TURN OF THE NUT.

EXCEPTIONS:
1. WEDGDE OR SLEEVE TYPE:
ONE-QUARTER (¼) TURN OF THE NUT FOR A ⅜ IN. SLEEVE ANCHOR ONLY.
2. THREADED TYPE:
ONE QUARTER (¼) 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 2013, 1913A.7.

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 ICBO ER-4943P

   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 (f_y) 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

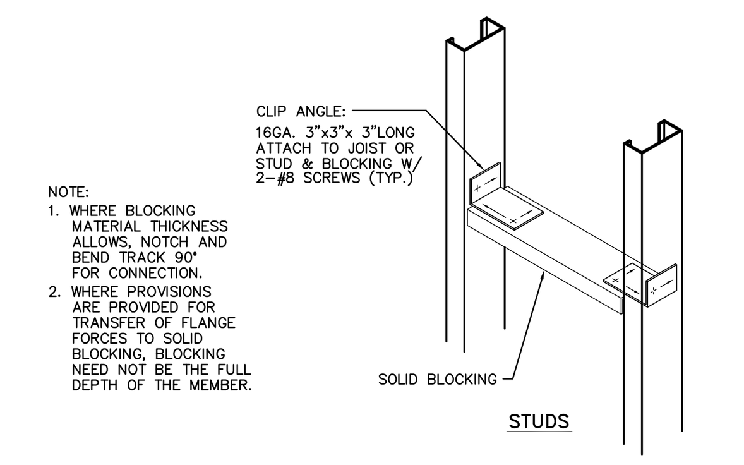
IDENTIFICATION	MEMBER DEPTH	FLANGE WIDTH	MATERIAL THICKNESS
362S162-43	3.62"	1.625"	18 GA.
362T125-43	3.62"	1.25"	18 GA.
600S200-54	6"	2"	16 GA.

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
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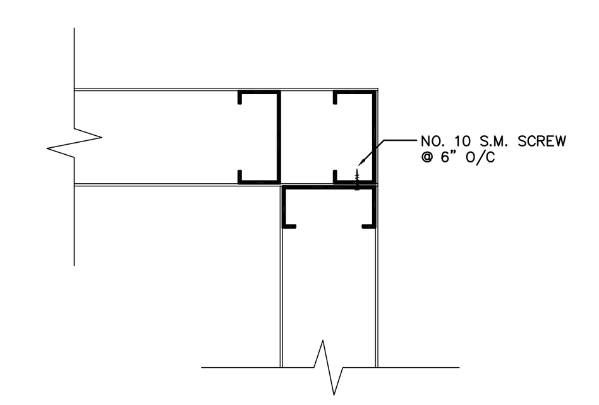

2 CORNER FRAMING
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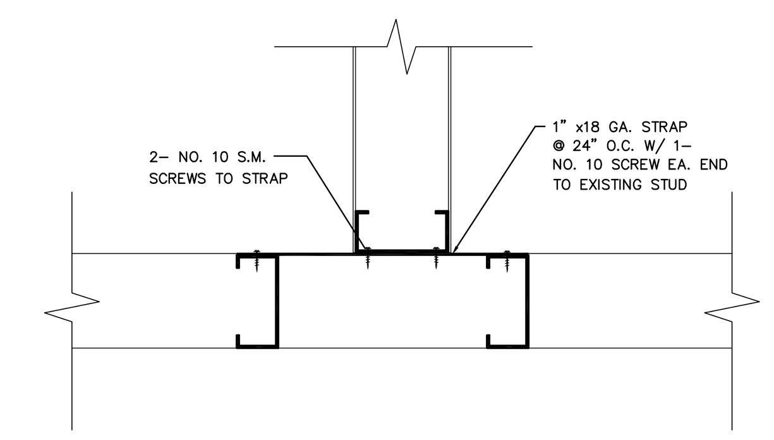
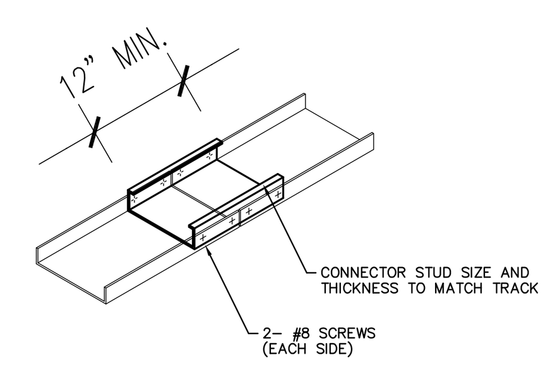


3 NEW WALL TO EXISTING WALL INTERSECTION FRAMING
SCALE: NTS



4 TOP & BOTTOM TRACK SPLICE
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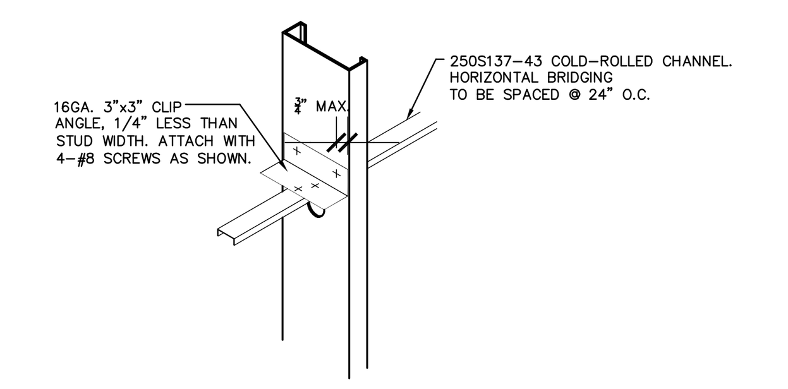
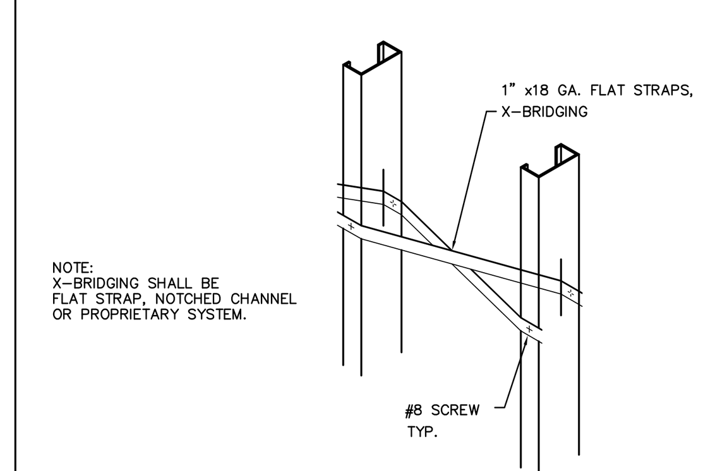
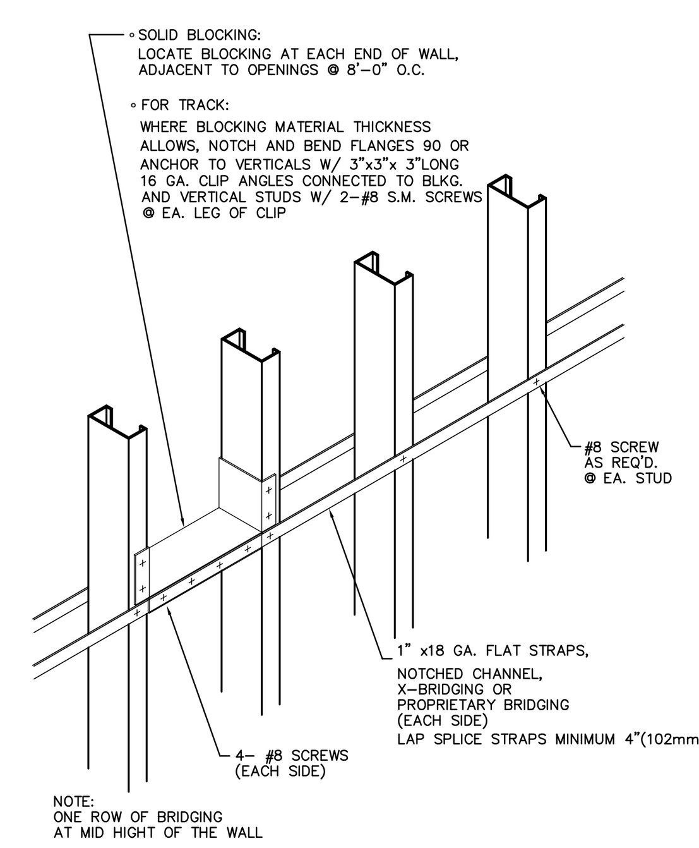


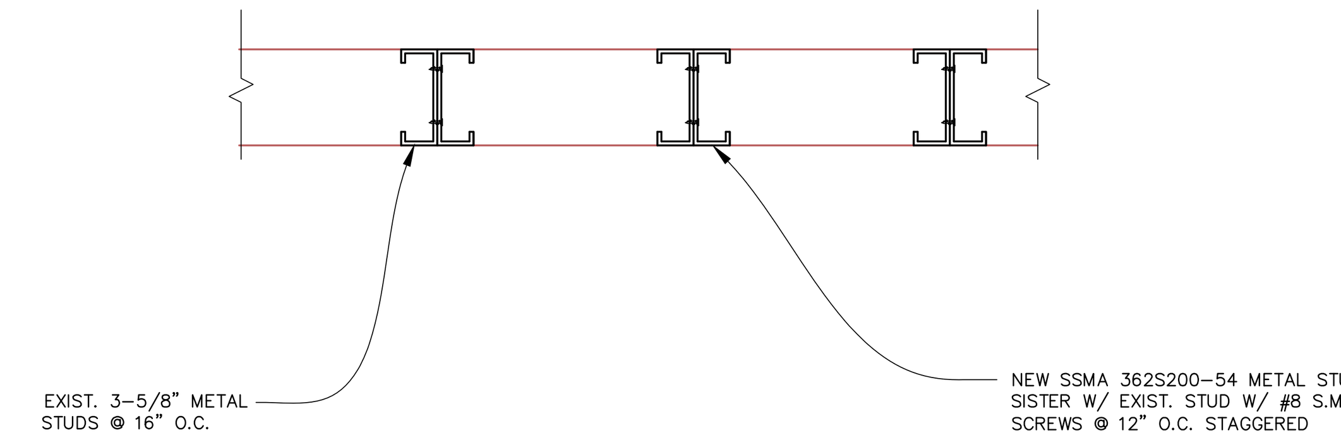
6 WALL BRIDGING ALTERNATE
SCALE: NTS



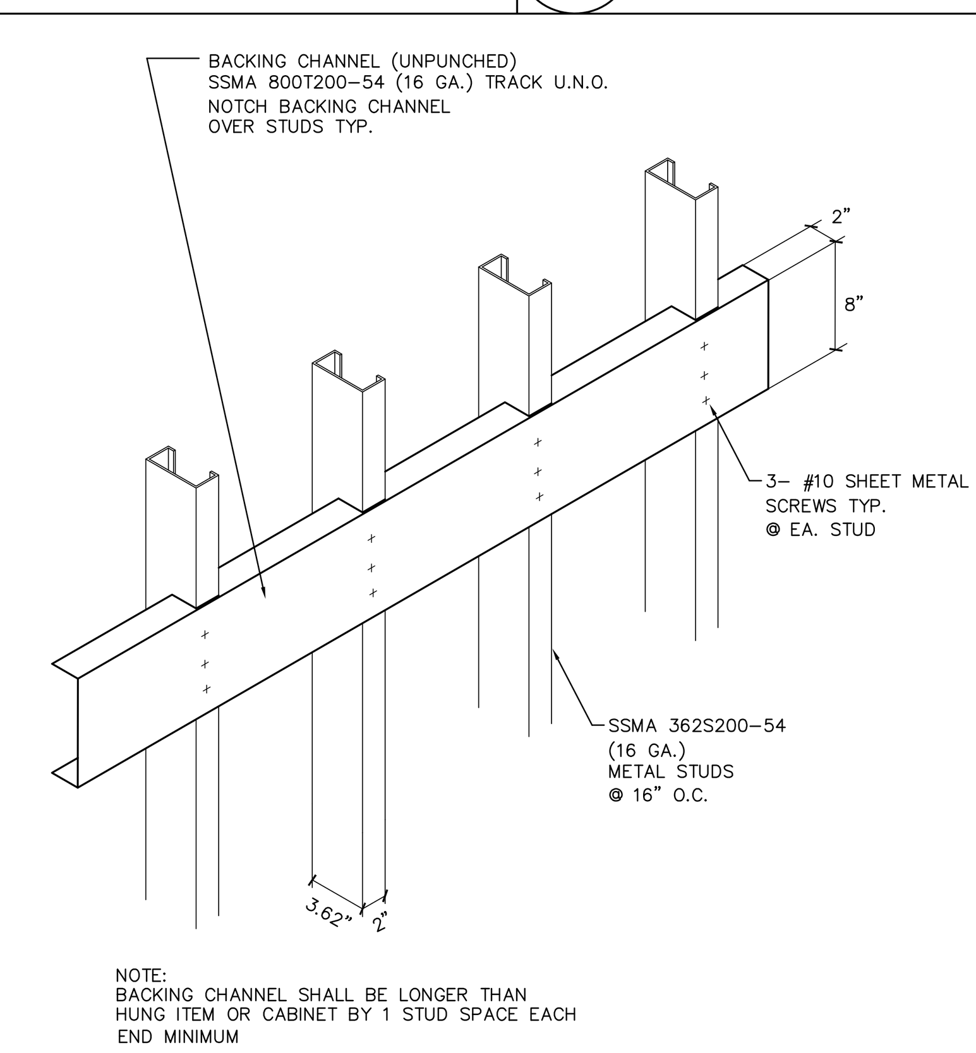
7 X-BRIDGING
SCALE: NTS



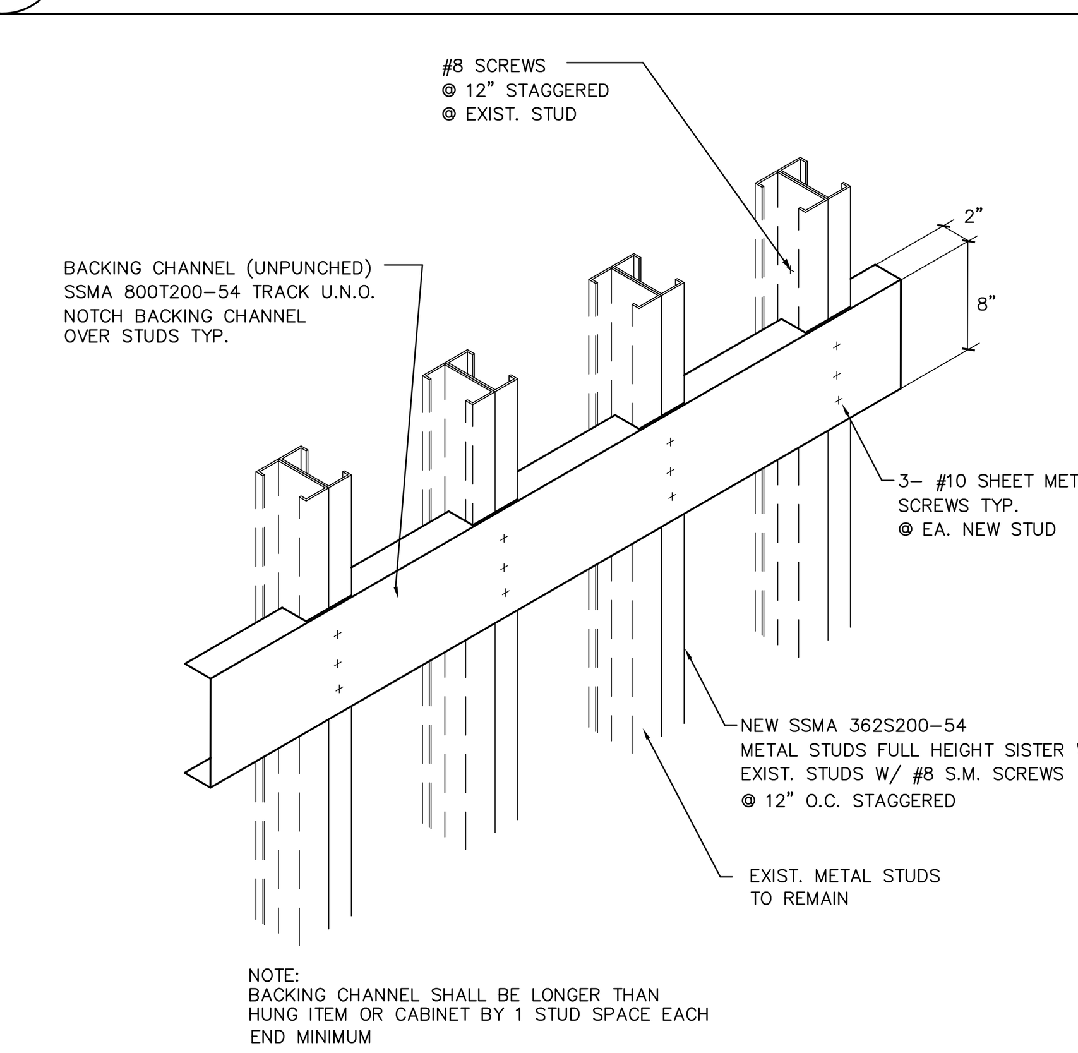
8 WALL BRIDGING
SCALE: NTS



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

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

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

ME&P: P2S ENGINEERING, INC., 9265 CHESAPEAKE DRIVE, SUITE 230, SAN DIEGO, CALIFORNIA 92123, TEL(619)618-2347 FAX(619)330-0668

EXP. 6/30/2019

REV:	DESCRIPTION:	DATE:
1	OSHPD COMMENTS	01/18/2017
2	DESIGN CHANGES	01/18/2017
3	OSHPD COMMENTS	04/20/2017
4	OSHPD COMMENTS	06/14/2017

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Laura Baldrati, Sr. Architect
Office of Statewide Health Planning & Development
FACILITIES DEVELOPMENT DIVISION

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SHEET TITLE:
GENERAL NOTES
TYPICAL DETAILS

PROJECT TITLE:

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CHECKED BY: Checker
SCALE: As indicated
DATE: 09/22/16

SHEET NUMBER: S-1

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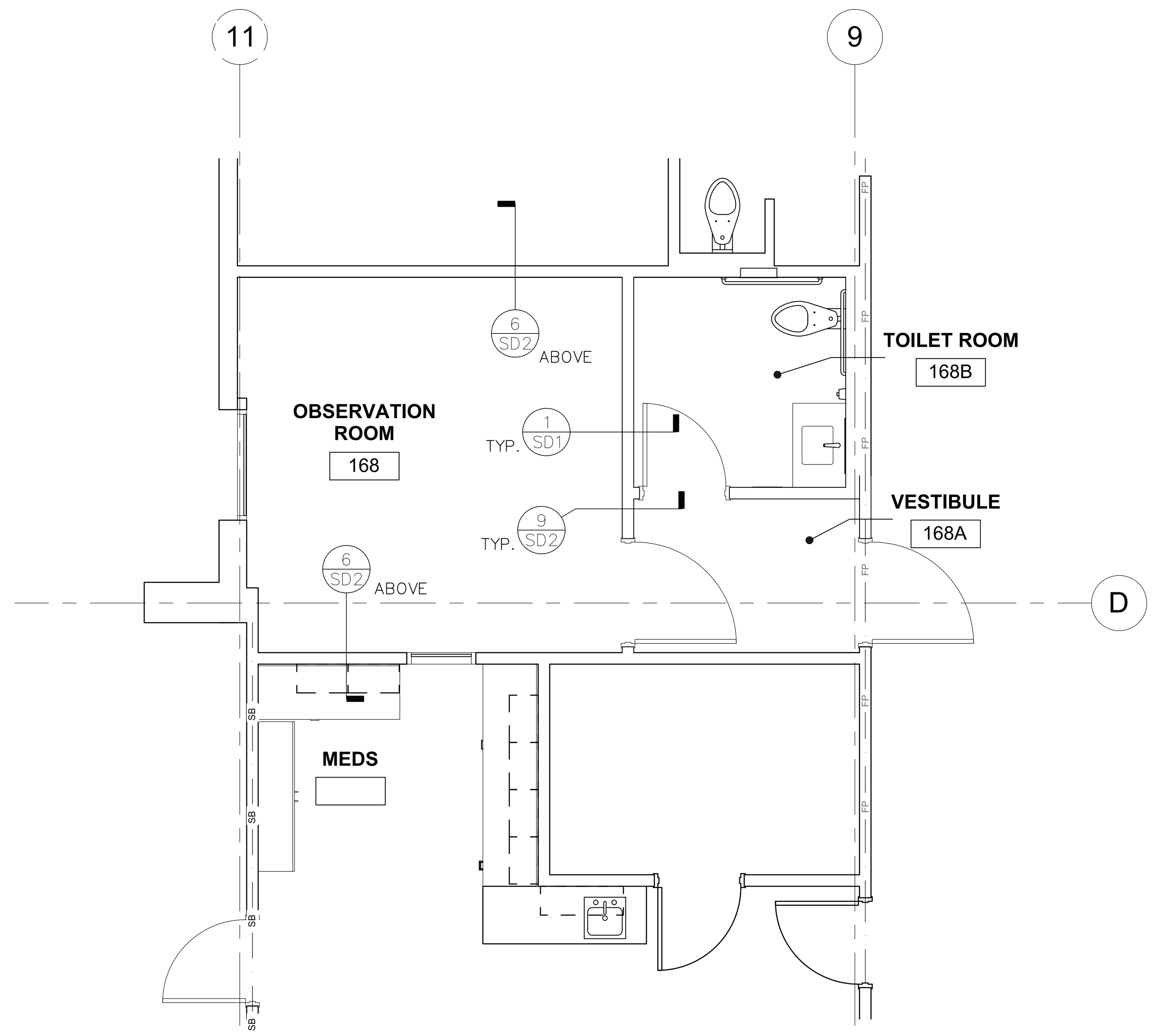

PARTIAL FIRST FLOOR PLAN

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

GENERAL NOTES

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

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

REGISTERED PROFESSIONAL ENGINEER [illegible]GHUA SUN S 4609 EXP. 6/30/2019 STRUCTURAL STATE OF CALIFORNIA

REV:	DESCRIPTION:	DATE:
1	OSHPD COMMENTS	01/18/2017
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CONSULTANT

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APPROVED
Laura Baldrati, Sr. Architect
Office of Statewide Health Planning & Development
FACILITIES DEVELOPMENT DIVISION

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#[S162581-37-00]

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PARTIAL FIRST FLOOR PLAN

PROJECT TITLE:

PROJECT #: 01643.00
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DATE: 09/22/16

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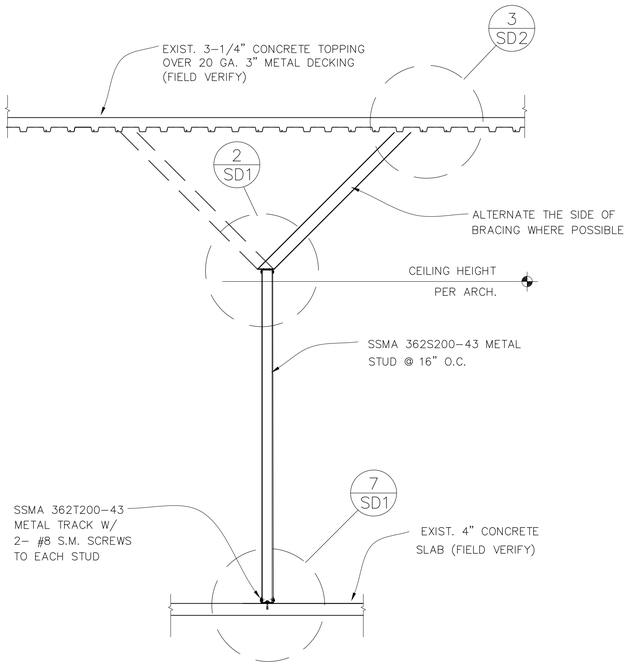
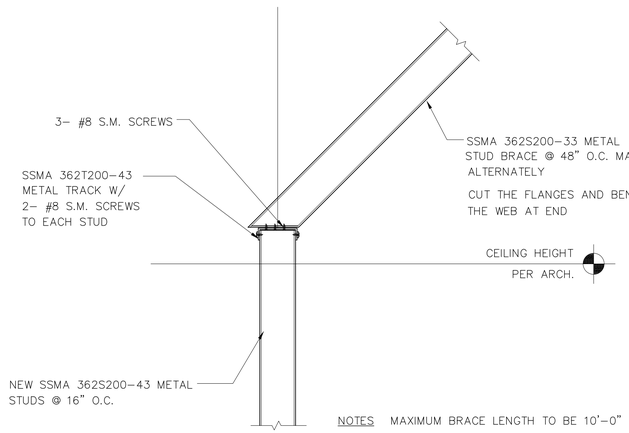
100% CONSTRUCTION DOCUMENTS



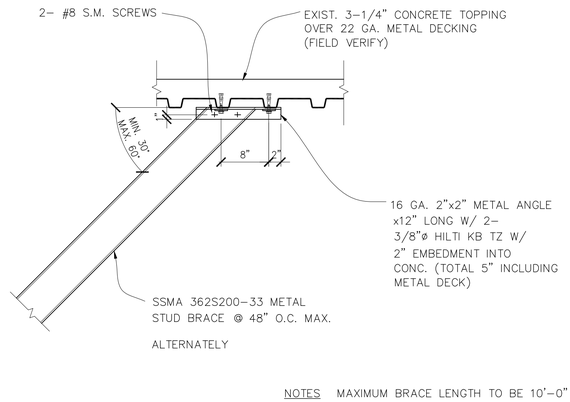
1 DETAIL AT NEW PARTIAL HEIGHT PARTITION WALL

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



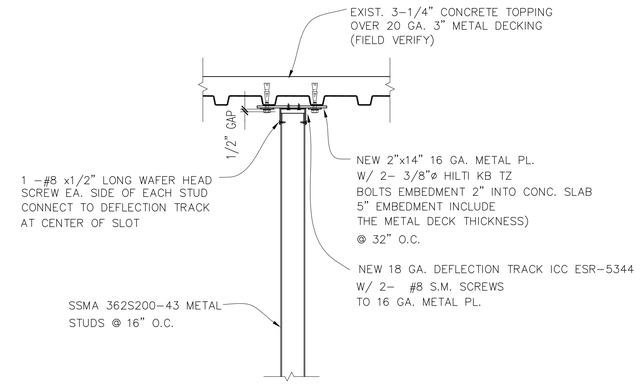
2 TYPICAL BRACING AT TOP OF PARTITION

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



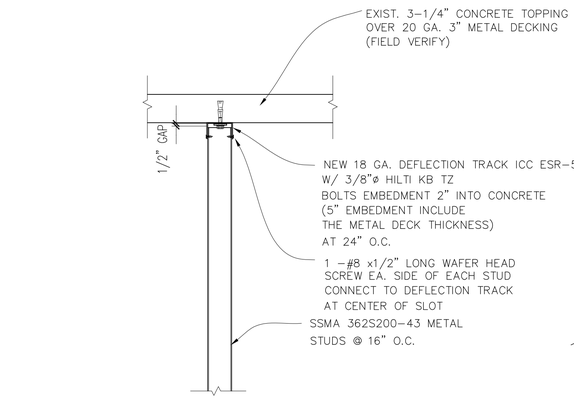
3 TYPICAL BRACING TO FLOOR ABOVE CONNECTION

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



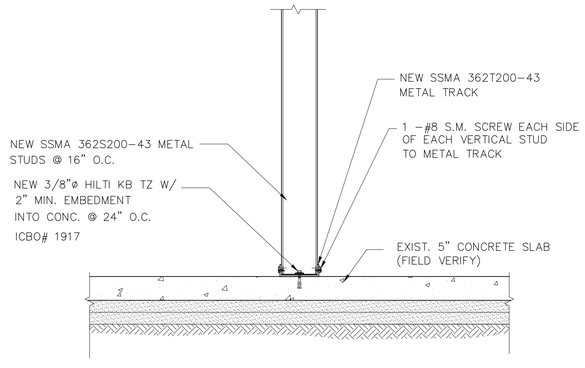
4 CONNECTION AT TOP OF PARTITION @ NEW FULL HEIGHT WALL

SCALE: 1"=1'-0"



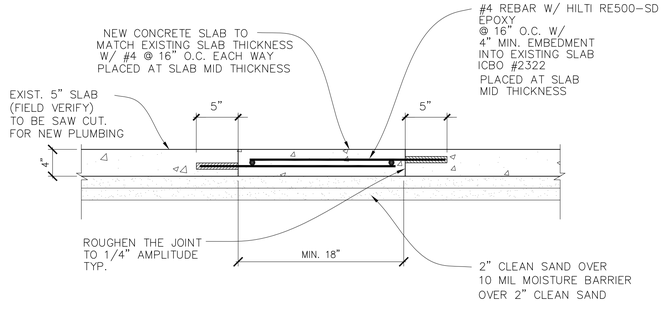
5 CONNECTION AT TOP OF PARTITION @ NEW FULL HEIGHT WALL

SCALE: 1"=1'-0"



7 TYPICAL PARTITION TO FLOOR CONNECTION

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



8 SAW CUT SLAB CONNECTION

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

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LICENSED ARCHITECT JOSEPH MICHEL SFEIR No. C-25543 REN. 1-31-19 STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER JOSHUA SUN S-1040 EXP. 6/30/2019 STRUCTURAL STATE OF CALIFORNIA

REV:	DESCRIPTION:	DATE:
1	OSHPD COMMENTS	01/18/2017
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CONSULTANT

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Office of Statewide Health Planning & Development
FACILITIES DEVELOPMENT DIVISION

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DETAILS

PROJECT TITLE:

PROJECT #: 01643.00
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SHEET NUMBER: SDI

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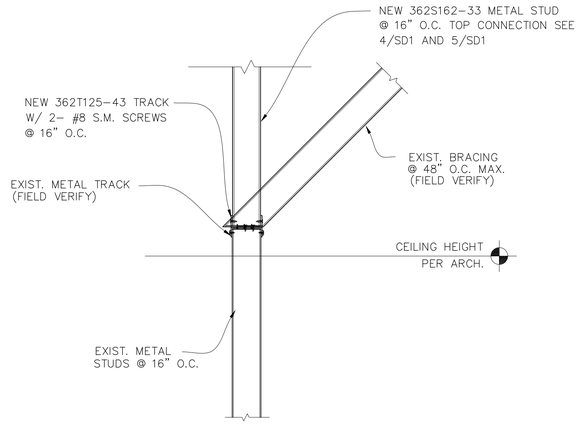
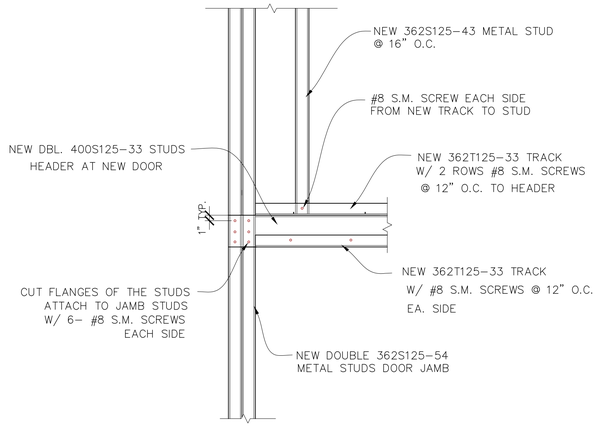


6 EXTENSION FULL HEIGHT WALL

SCALE: 1"=1'-0"



9 DOOR HEADER CONNECTION

SCALE: 1"=1'-0"

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

REGISTERED PROFESSIONAL ENGINEER JOSHUA SUN No. 71699 EXP. 6/30/2019 STRUCTURAL STATE OF CALIFORNIA

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Laura Baldrati, Sr. Architect
Office of Statewide Health Planning & Development
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DETAILS

PROJECT TITLE:

PROJECT #: 01643.00
DRAWN BY: Author
CHECKED BY: Checker
SCALE: As indicated
DATE: 09/22/16

SHEET NUMBER:

SD2

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
16"x12"	INTERNALLY INSULATED 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
BDD	BACK DRAFT DAMPER
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
T	SPACE TEMPERATURE SENSOR
PS	PRESSURE SWITCH
SD	SMOKE DETECTOR
SYMBOL	DESCRIPTION
SP	STATIC PRESSURE SENSOR
RS	REFRIGERANT SENSOR
D	DEW POINT SENSOR
	HEATING COIL
	DAMPER, OPPOSED BLADE
	DAMPER, PARALLEL BLADE
	LOUVER
AD	ACCESS DOOR OR ACCESS PANEL (AP) IN DUCTWORK
	TURNING VANES (RECTANGULAR)
	DRAIN, FUNNEL
	CENTRIFUGAL FAN
	2-WAY CONTROL 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

SYMBOL	DESCRIPTION
	BALL VALVE
	STRAINER, Y-TYPE
	SELF-SEALING PRESSURE AND TEMPERATURE TAP

SYMBOL	DESCRIPTION
	ELBOW FACING AWAY FROM VIEWER
	ELBOW FACING TOWARD VIEWER
	TEE FACING AWAY FROM VIEWER
	TEE FACING TOWARD VIEWER
	PIPE CAP
	FLEXIBLE CONNECTION
	UNION, SCREWED

SHEET INDEX

ABBREVIATIONS

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

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 REPRESENTATIVE 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

4. IN THE EVENT OF A CONFLICT OR INCONSISTENCY BETWEEN ITEMS INDICATED ON DESIGN PLANS / SPECIFICATIONS WITH CODE REQUIREMENTS, THE MORE STRINGENT STANDARD SHALL PREVAIL.
5. THIS CONTRACTOR SHALL FURNISH LABOR, MATERIALS, EQUIPMENT, AND TRANSPORTATION AS REQUIRED TO PROPERLY INSTALL ALL NEW HVAC SYSTEMS OR RELATED COMPONENTS AS INDICATED ON PLANS AND SPECIFIED HEREIN.
6. ALL NEW EQUIPMENT AND MATERIAL TO BE INSTALLED AS PART OF THIS PROJECT SHALL BEAR AN UNDERWRITERS' LABORATORIES LABEL (UL), AND INSTALLED IN SUCH A MANNER FOR WHICH THEY ARE DESIGNED AND APPROVED.
7. THIS CONTRACTOR SHALL DOCUMENT AND RELAY ANY MAJOR DEVIATIONS FROM THE DESIGN DOCUMENTS, AND ATTAIN APPROVAL FROM THE MECHANICAL ENGINEER BEFORE PROCEEDING. AS-BUILT COPIES SHALL BE PROVIDED INDICATING ALL CHANGES / DEVIATIONS MADE DURING CONSTRUCTION.
8. ALL WORK SHALL BE PERFORMED IN A CLEAN AND WORKMANLIKE MANNER. CARE SHALL BE EXERCISED TO MINIMIZE ANY INCONVENIENCE OR DISTURBANCE TO OTHER AREAS OF THE BUILDING WHICH ARE TO REMAIN IN OPERATION. ISOLATE WORK AREAS BY MEANS TO KEEP DUST AND DIRT WITHIN THE CONSTRUCTION AREA.
9. NO PIPING, EQUIPMENT, ETC. SHALL BE REMOVED, DISCONNECTED OR SHUT DOWN WITHOUT PRIOR REVIEW WITH THE OWNER TO CONFIRM THAT AREAS TO REMAIN IN OPERATION WILL NOT BE AFFECTED. IF ANY AREAS NOT WITHIN THE SCOPE OF WORK ARE AFFECTED BY ANY SHUTDOWN, REMOVAL OR DISCONNECTION. SUFFICIENT ADVANCE NOTICE MUST BE GIVEN TO THE OWNER INDICATING WHICH AREAS WILL BE AFFECTED, WHEN THE PROPOSED SHUTDOWN WILL OCCUR, AND FOR HOW LONG A PERIOD OF TIME.
10. THE ARRANGEMENT OF EQUIPMENT AND PIPING SHOWN ON THE DRAWINGS IS BASED UPON INFORMATION AVAILABLE TO THE ENGINEER AT THE TIME OF DESIGN AND IS NOT INTENDED TO SHOW EXACT DIMENSIONS PECULIAR TO A SPECIFIC MANUFACTURER. THE DRAWINGS ARE, IN PART, DIAGRAMMATIC AND SOME FEATURES OF THE ILLUSTRATED EQUIPMENT INSTALLATION MAY REQUIRE REVISION TO MEET ACTUAL EQUIPMENT INSTALLATION REQUIREMENTS. STRUCTURAL SUPPORTS, FOUNDATIONS, CONNECTED PIPING, VALVES AND ELECTRICAL CONDUIT SPECIFIED MAY HAVE TO BE ALTERED TO ACCOMMODATE THE EQUIPMENT PROVIDED. NO ADDITIONAL PAYMENT WILL BE MADE FOR SUCH REVISIONS AND ALTERATIONS.
11. THIS CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT THE SITE MAKING FIELD MEASUREMENTS AND SHOP DRAWINGS NECESSARY FOR FABRICATION OR ERECTION OF HVAC SYSTEMS. MAKE ALLOWANCE FOR BEAMS, PIPES AND OTHER OBSTRUCTIONS IN BUILDING CONSTRUCTION. CHECK DRAWINGS SHOWING WORK OF OTHER TRADES AND CONSULT WITH THE OWNER'S REPRESENTATIVE IN THE EVENT OF POTENTIAL INTERFERENCE. SHOP DRAWINGS SHALL BE MINIMUM 1/4"=1'-0" SCALE, INDICATING FITTINGS, SIZES, WELDS AND CONFIGURATIONS AND SUBMITTED TO ENGINEER FOR REVIEW.
12. THIS CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER TRADES PRIOR TO FABRICATION, PURCHASE AND/OR INSTALLATION OF ALL WORK.
13. BEFORE COMMENCEMENT OF WORK, THIS CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS, ELEVATIONS, AND CHARACTERISTICS OF ALL UTILITIES.
14. CONTRACTOR SHALL SECURE AND PAY ALL FEES AND PERMITS PERTAINING TO THE CONTRACT.
15. EXISTING MATERIALS THAT ARE REMOVED SHALL NOT BE REUSED IN NEW SYSTEMS, EXCEPT WHERE INDICATED AS BEING RELOCATED.
16. ALL EQUIPMENT SHALL BE INSTALLED IN STRICT COMPLIANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS.
17. GALVANIZED SHEET METAL SHALL BE PROVIDED FOR ALL HVAC DUCT SYSTEMS, AND CONSTRUCTED / SUPPORTED / INSTALLED IN ACCORDANCE WITH THE 2010 CALIFORNIA MECHANICAL CODE AND THE LATEST SMACNA STANDARDS.
18. ALL PIPING SHALL BE INSTALLED AS INDICATED ON THE DRAWINGS IN A NEAT WORKMANSHIP-LIKE MANNER AND BE SUPPORTED AS REQUIRED BY CODES. PIPING SHALL BE SET UP AND DOWN AND OFFSET AS REQUIRED TO SUIT FIELD CONDITIONS. DIELECTRIC COUPLINGS SHALL BE USED WHERE DISSIMILAR METALS ARE JOINED. PIPING SHALL BE TYPE L COPPER.
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. 2013 CBC MECHANICAL, ELECTRICAL AND PLUMBING EQUIPMENT ANCHORAGE NOTES:

   ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE OSHPD APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCES AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2013 CBC SECTIONS 1615A.1.17 THROUGH 1616A.1.27 AND ASCE 7-10 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 2013 CBC SECTIONS 1616A.1.23, 1616A.1.24, 1616A.1.25 AND 1616A.1.26.

   THE BRACING AND ATTACHMENTS TO THE STRUCTURE SHALL BE DETAILED ON THE APPROVED DRAWINGS OR THEY SHALL COMPLY WITH ONE OF THE OSHPD PRE-APPROVALS (OPA #) 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, OR ELECTRICAL DISTRIBUTION SYSTEMS.

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

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REGISTERED PROFESSIONAL ENGINEER — No. M29400 — 3/24/16 — MECHANICAL — STATE OF CALIFORNIA

REV.	DESCRIPTION:	DATE:
1	OSHPD COMMENTS	12/02/2016
2	DESIGN CHANGES	12/02/2016
3	OSHPD COMMENTS	04/20/2017
4	OSHPD COMMENTS	06/14/2017

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OSHPD #: S162581-37-00

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
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Office of Statewide Health Planning & Development
FACILITIES DEVELOPMENT DIVISION
07/06/2017 10:48:54 AM
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SHEET TITLE:

GENERAL NOTES, LEGEND, AND SHEET INDEX

PROJECT TITLE:

TCMC OBSERVATION ROOM

PROJECT #: 01643.00
DRAWN BY: ED
CHECKED BY: PAL
SCALE: As indicated
DATE: 10/11/16

SHEET NUMBER:

M0-10

P2S No. 8452

100% CONSTRUCTION DOCUMENTS

DWG: V:\CAD_Drawings\8452\Mechanical\M0-10.dwg USER: Kyle Manning
DATE: Jun 15, 2017 5:41pm XREFS: Sfeir_24x36 IMAGES:

AIR BALANCE SCHEDULE

ROOM NUMBER	ROOM NAME	ROOM AREA (SF)	CEILING HEIGHT (FT)	CODE REQUIREMENTS PER CMC TABLE 4-A								PROPOSED DESIGN						ACTUAL [2]							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	ROOM EXHAUST (YES/NO)	ROOM SUPPLY (CFM)	ROOM EXHAUST (CFM)	ROOM RETURN (CFM)	ROOM TOTAL AIR CHANGES (AC/HR)	ROOM OUTSIDE AIR (AC/HR)	ROOM EXHAUST (AC/HR)	AIR BALANCE RELATIONSHIP TO ADJACENT AREAS	ROOM SUPPLY (CFM)	ROOM EXHAUST (CFM)	ROOM RETURN (CFM)	ROOM TOTAL AIR CHANGES (AC/HR)	ROOM OUTSIDE AIR (AC/HR)	ROOM EXHAUST (AC/HR)	
168	OBSERVATION ROOM	190	8'-8"	220	-	-	55	6	2	NR	NO	220	-	150	8.0	2.8	-								[1] [3] [4]
168A	VESTIBULE	43	8'-0"	35	-	-	1	6	2	NR	NO	75	-	-	13.1	-	-								[1] [3]
168B	TOILET ROOM	55	8'-0"	-	73	-	-	10	-	N	YES	-	75	-	10	-	10								[1] [3]

1. P = POSITIVE, NR = NO REQUIREMENT FOR CONTINUOUS DIRECTIONAL CONTROL, N = NEGATIVE
2. TO BE COMPLETED BY CONTRACTOR.
3. TRANSFER
4. (E) AHU, 35% OSA

CV BOX

MARK	MANUFACTURER & MODEL	LOCATION	SERVICE (ROOM)	INLET SIZE IN	AIRFLOW		HEATING COIL									REMARKS
							AIRSIDE				WATERSIDE					
					MAX CFM	MIN CFM	HTG. MBH	EAT °F	LAT °F	MAX PD IN	GPM	EWT °F	LWT °F	MAX PD FT	ROWS	
HC-1	TITUS PESV	CORRIDOR	OBSERVATION ROOM	6	220	220	9.5	55	95	.15	.95	180	160	5	2	[1] [2] [3]

1. CONTROL VALVE 3-WAY 3 PSI DROP @ FULL FLOW
2. 12"X8" COIL
3. PNEUMATIC, PRESSURE INDEPENDENT, CV BOX

GRILLES, REGISTERS, DIFFUSERS

MARK	DESCRIPTION	MATERIAL	STYLE	FRONT BLADES	DAMPER	FINISH	REMARKS
CD-1	PRICE SMCD	STEEL	HARD LID	PERFORATED	N/A	[1]	[2]
EG-1	PRICE 530	STEEL	HARD LID	PERFORATED	N/A	[1]	[2]
RG-1	PRICE PFRF	STEEL	HARD LID	PERFORATED	N/A	[1]	[2]

1. COORDINATE WITH ARCHITECT
2. TAMPER PROOF FACE FOR SECURED AREAS

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REGISTERED PROFESSIONAL ENGINEER No. M29400 3/24/16 MECHANICAL STATE OF CALIFORNIA

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APPROVED
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Office of Statewide Health Planning & Development
FACILITIES DEVELOPMENT DIVISION

07/06/2017 10:48:54 AM
#[S162581-37-00]

SHEET TITLE:
SCHEDULES

PROJECT TITLE:
TCMC OBSERVATION ROOM

PROJECT #: 01643.00
DRAWN BY: ED
CHECKED BY: PAL
SCALE: As indicated
DATE: 10/11/16

SHEET NUMBER:
M0-20

P2S No. 8452

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DATE: Jun 15, 2017 5:41pm XREFS: Sfeir - 24x36 IMAGES:

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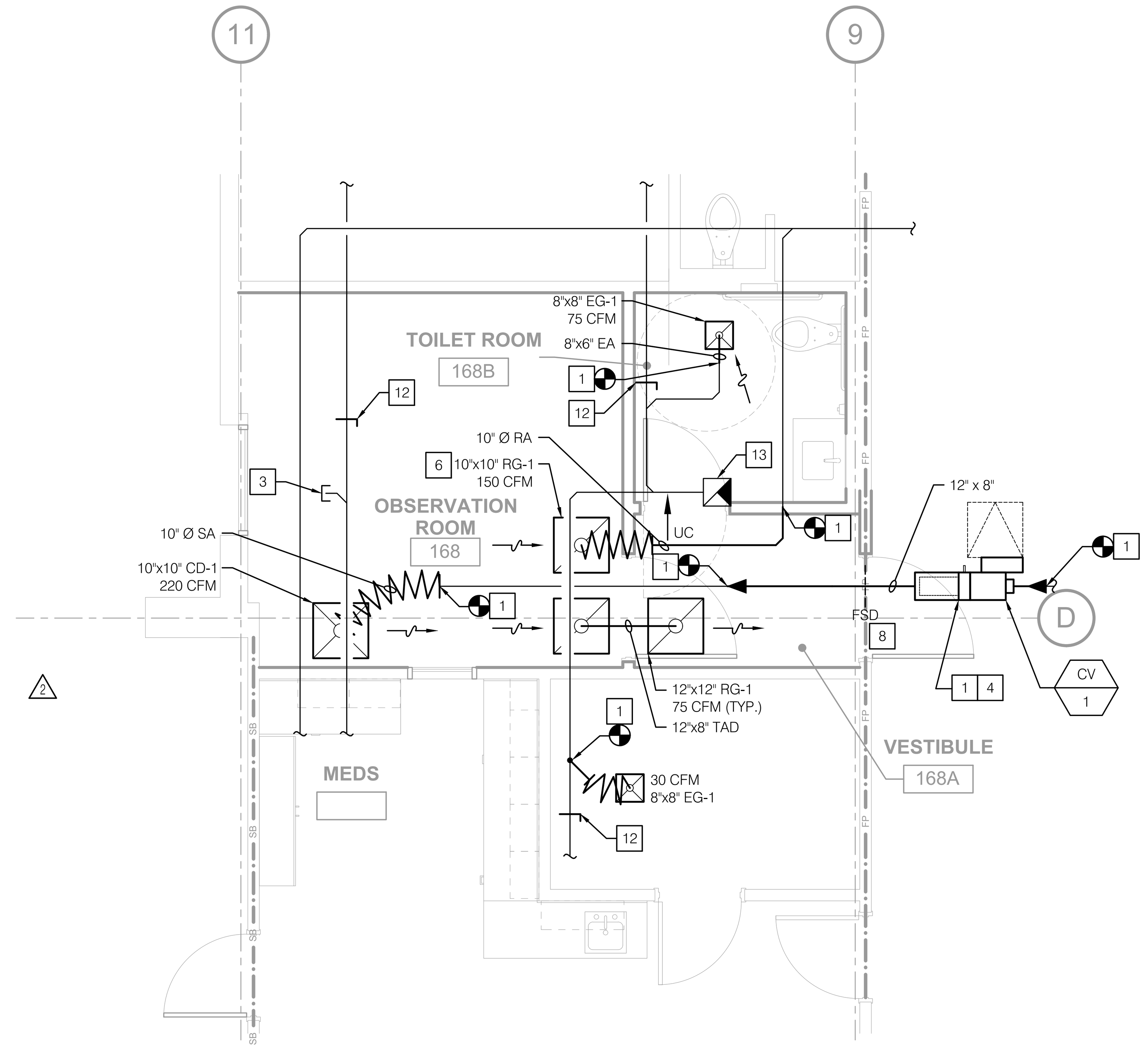
NOTES

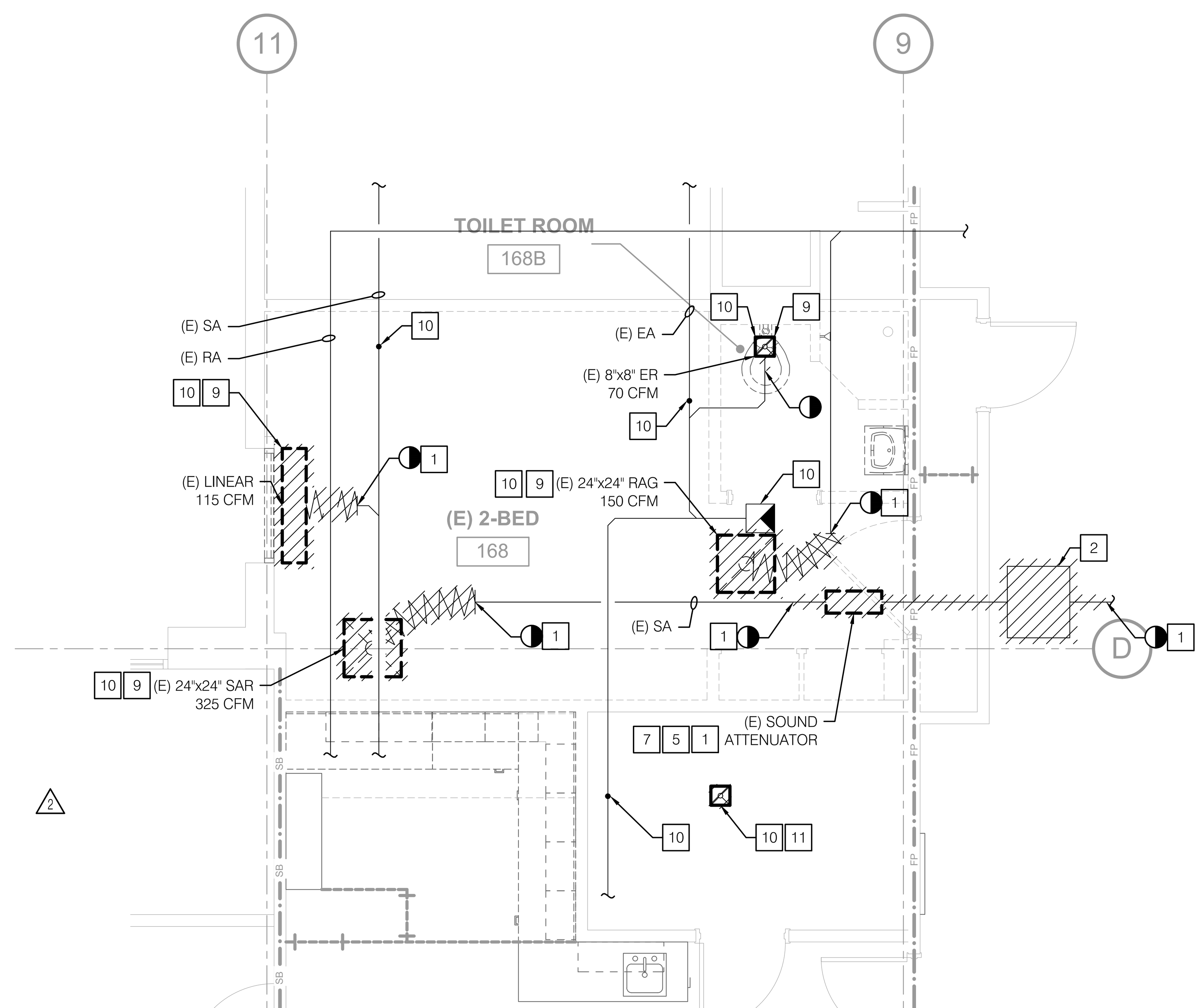
1. VERIFY POC'S AND LOD'S PRIOR TO PROCUREMENT OR FABRICATION OF DUCTWORK , PIPING OR EQUIPMENT.
2. (E) ZONE BOX TO BE REMOVED
3. CAP (E) SA DUCT TO SLOT DIFFUSER.
4. SEE COIL PIPING DETAIL 4/M2-10. 3/4" HWS & R PIPING TO (E) 1 1/4" MAINS 30 FEET TO THE SOUTH AT GRID LINES 9-10 / B-C. PROVIDE (10) 2 FT. OFFSETS IF NECESSARY.
5. DEMO EXISTING SA DUCT FOR INSTALL OF HC-1 & SFD.
6. PROVIDE RA TEMP. SENSOR BEHIND RG-1.
7. REMOVE (E) SOUND ATTENUATOR.
8. FIRE/SMOKE DAMPER.
9. DUCT AND AIR DISTRIBUTION TO BE REMOVED.
10. TAKE CFM AIR READ PRIOR TO CONSTRUCTION.
11. REMOVE EXISTING EXHAUST.
12. PROVIDE MANUAL BALANCE DAMPER FOR MAINTAINING PRE-CONSTRUCTION CFM .
13. RE-BALANCE (E) EF-2 TO (N) CFM.



2 RENOVATION PLAN

1/4" = 1'-0"

NORTH



1 DEMOLTION PLAN

1/4" = 1'-0"

NORTH

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REGISTERED PROFESSIONAL ENGINEER No. M29490 3/24/16 MECHANICAL STATE OF CALIFORNIA

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DEMOLITION AND RENOVATION PLANS

PROJECT TITLE:

TCMC OBSERVATION ROOM

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SCALE: As indicated
DATE: 10/11/16

SHEET NUMBER: M2-10

P2S No. 8452

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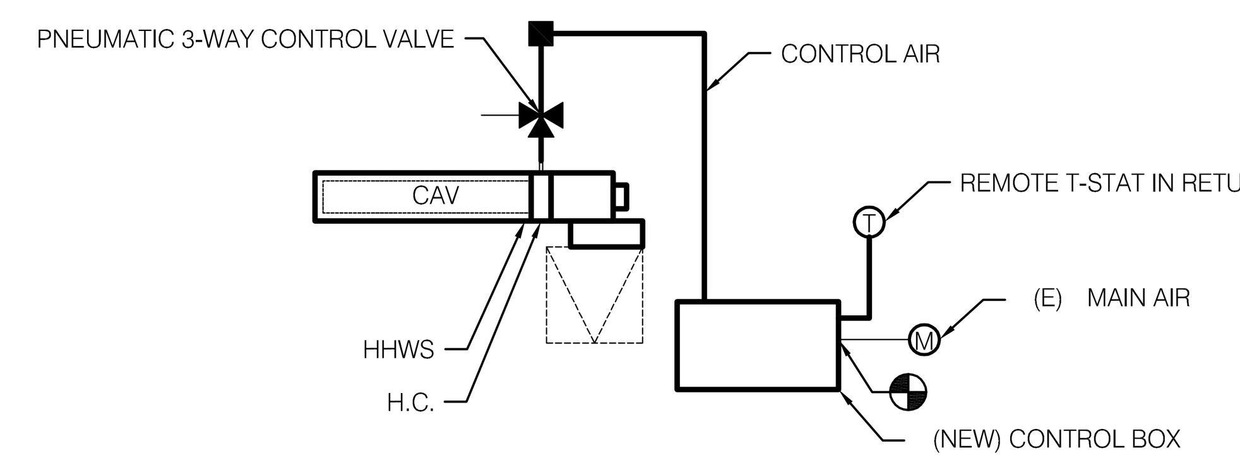
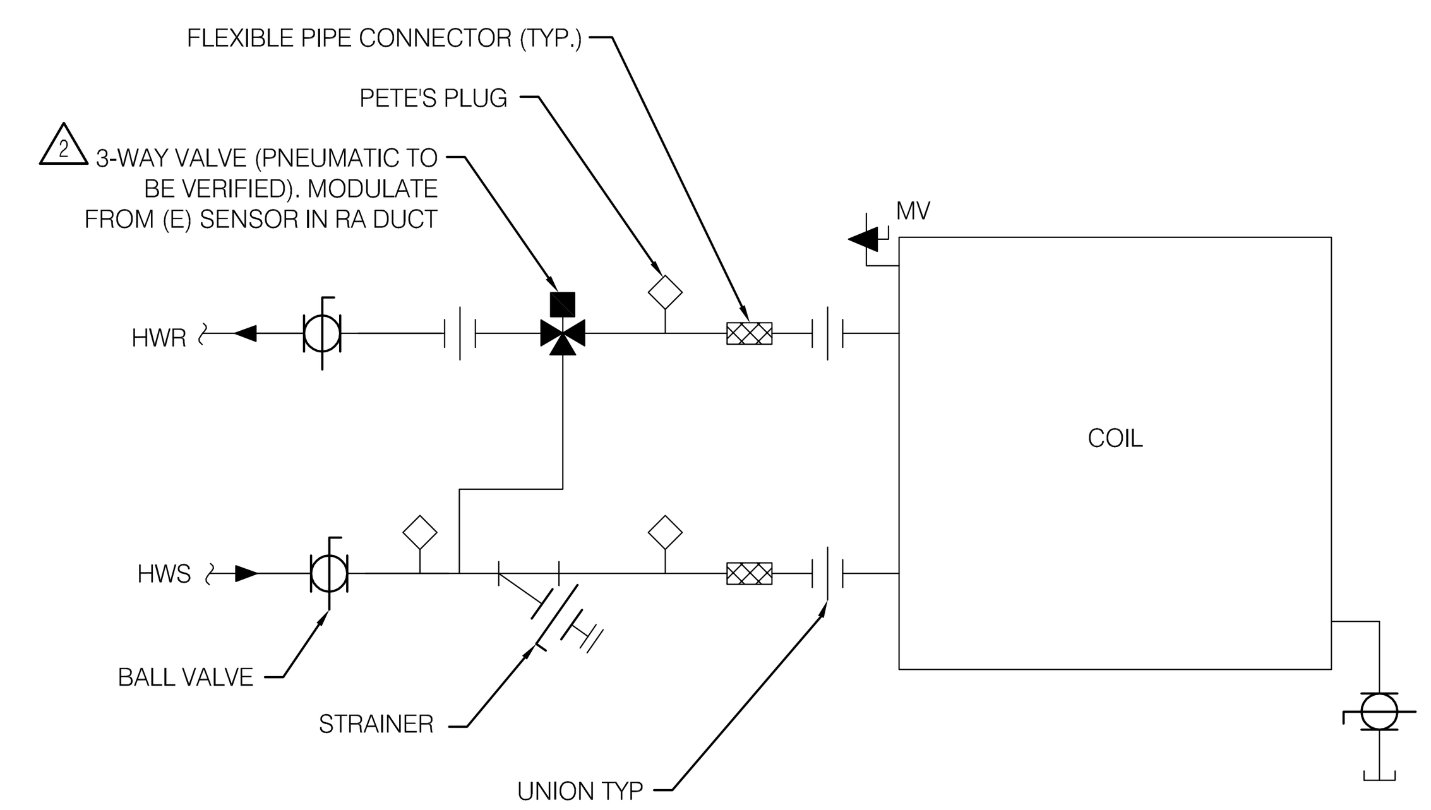


6 AIR CONDITIONING CONTROL DIAGRAM

NO SCALE

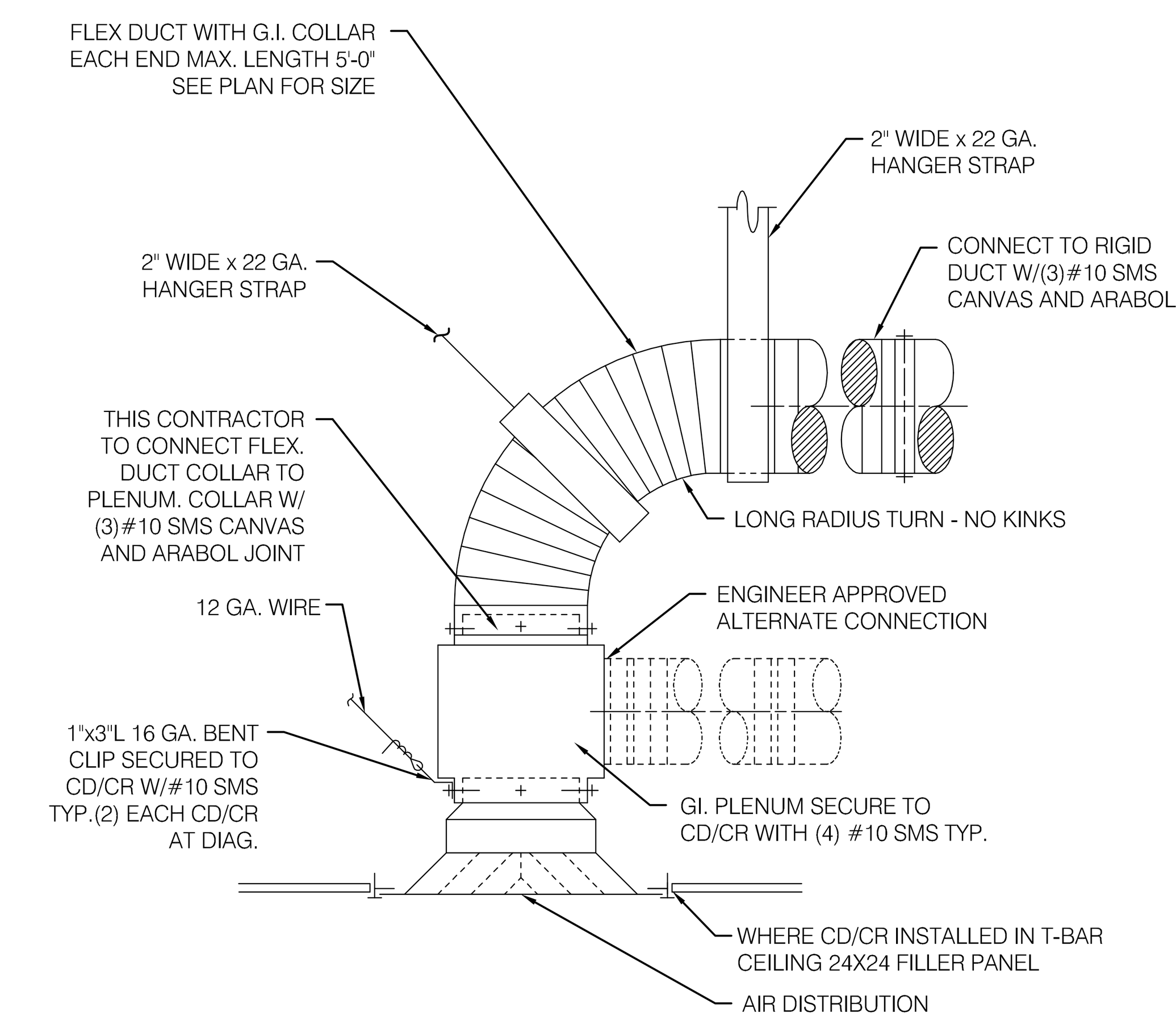


NOTES

1. UNIONS NOT REQUIRED FOR FLANGED PIPING.

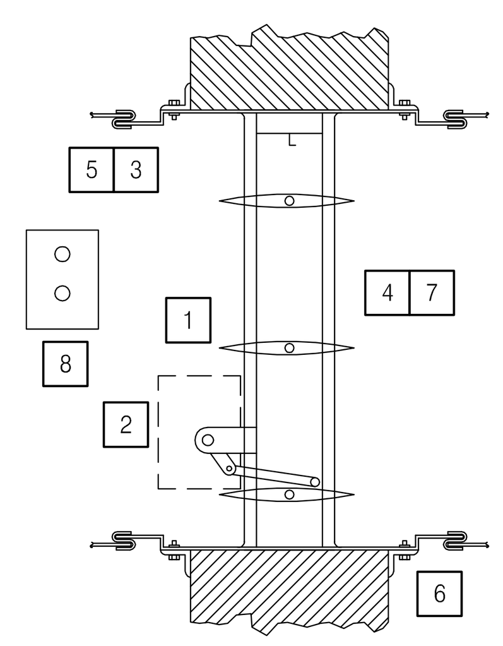
4 3-WAY COIL PIPING DIAGRAM

NO SCALE



2 AIR DISTRIBUTION RESTRAINT

NO SCALE

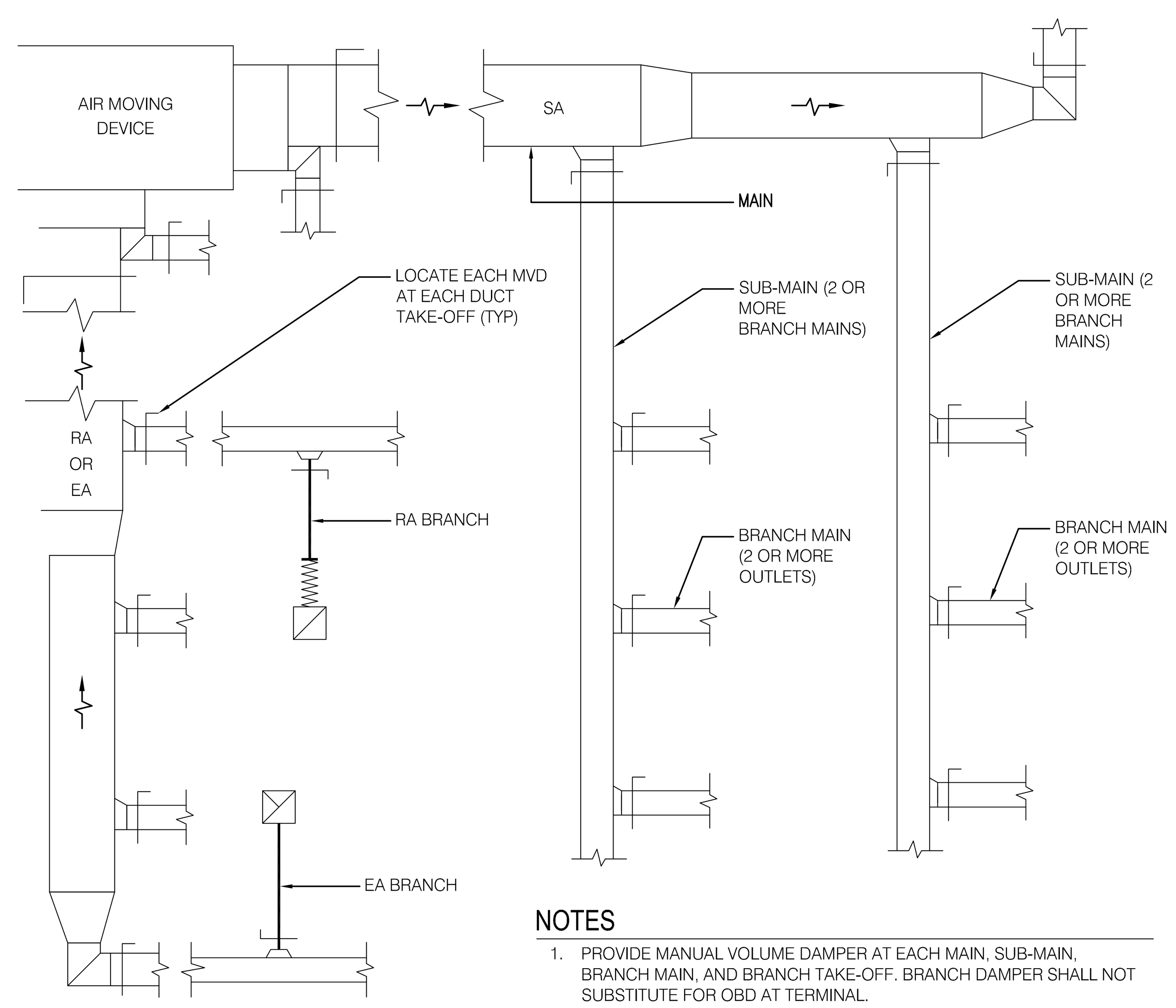


NOTES

1. WALL FLOOR FIRE SMOKE DAMPER WITH AIRFOIL BLADES. PER NFPA 90A, ACCESS DOOR IS REQUIRED ON JACKSHAFT SIDE OF THE DAMPER. REFER TO SPECIFICATION SECTION 15910 FOR ADDITIONAL REQUIREMENTS.
2. FIRE SMOKE DAMPER JACKSHAFT AND ACTUATOR.
3. MOUNTING ANGLE SHALL BE MINIMUM OF 1-1/2"X 1-1/2"X14 GAUGE WITH MINIMUM 1" OVERLAP OF WALL ON EACH SIDE.
4. OPENING TO BE 1/4" PER FOOT LARGER THAN DAMPER DIMENSIONS. PROVIDE DUCT ACCESS DOOR AT EACH COMBINATION SMOKE/FIRE DAMPER. DOORS AHLL BE LOCATED SO THAT THE FIRE DAMPER CATCH MAYBE RELEASED WITH THE FIRE DAMPER IN A CLOSED POSITION AND FUSIBLE LINK REPLACED. EACH DOOR SHALL BE STENCILED "SMOKE/FIRE DAMPER ACCESS".
5. PLAIN "S" DUCT CONNECTION - DO NOT BOLT OR SCREW DUCT TO SLEEVE.
6. 1 - HOUR FIRE CONSTRUCTION BY OTHERS.
7. WALL FLOOR FIRE SMOKE DAMPER SHALL BE INSTALLED PER MANUFACTURERS INSTRUCTIONS. DAMPER SHALL BE RUSKIN FSD 60-2 AIRFOIL BLADE DESIGN. DAMPER SHALL BE CLASS 2, UL555S 1-1/2 HOUR FIRE RESISTANCE RATING. NFPA STANDARDS 80, 90A, 92A, 92B, 101& 105 UL555S LISTING R5531 CSFM COMBINATION FIRE/SMOKE DAMPER LISTING #3235-0245:0126
8. REFER TO ELECTRICAL AND FIRE ALARM DRAWINGS FOR ADDITIONAL REQUIREMENTS.

5 FIRE/SMOKE DAMPER

NO SCALE

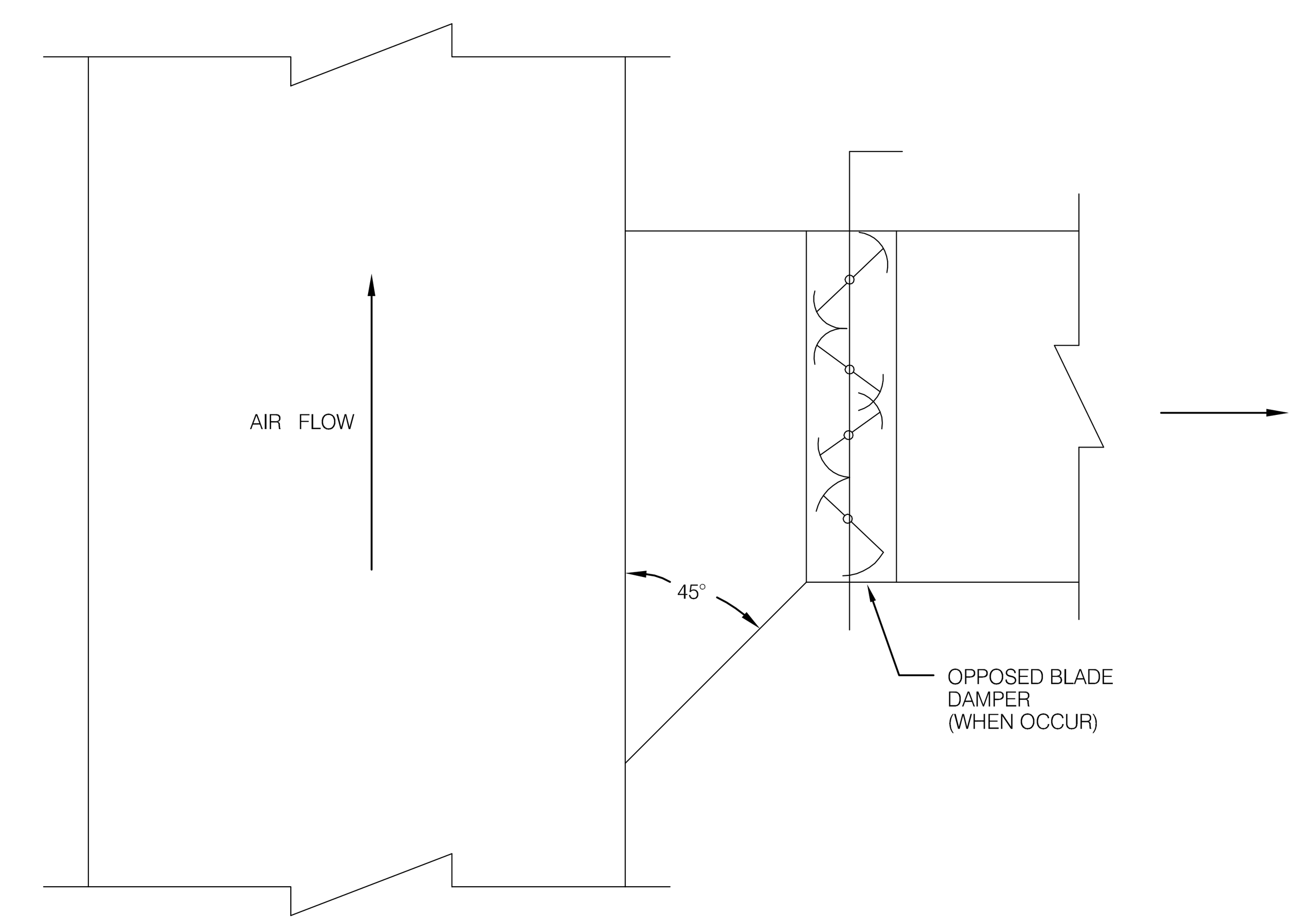


NOTES

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



1 BRANCH DUCT (RECTANGULAR)

NO SCALE

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LICENSED ARCHITECT JOSEPH MICHEL SFEIR No. C28543 REN 1-31-17 STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER No. M29400 3/24/16 MECHANICAL STATE OF CALIFORNIA

REV:	DESCRIPTION:	DATE:
1	OSHPD COMMENTS	12/02/2016
2	DESIGN CHANGES	12/02/2016
3	OSHPD COMMENTS	04/20/2017
4	OSHPD COMMENTS	06/14/2017

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OSHPD APPROVAL STAMP:

OSHPD #: S162581-37-00

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

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SHEET TITLE:

DETAILS

PROJECT TITLE:

TCMC OBSERVATION ROOM

PROJECT #: 01643.00
DRAWN BY: ED
CHECKED BY: PAL
SCALE: As indicated
DATE: 10/11/16

SHEET NUMBER:

M6-10

P2S No. 8452

100% CONSTRUCTION DOCUMENTS

DWG: V:\CAD_Drawings\J8452\Mechanical\M6-10.dwg USER: Kyle Manning
DATE: Jun 16, 2017 9:30am XREFS: Sfeir - 24x36 IMAGES:

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
	CHANGING PIPE SIZE
4" CHWR	NEW PIPE (SIZE-SERVICE)
	EXISTING PIPE/EQUIPMENT
	DEMOLISHED PIPE/EQUIPMENT
G	LOW PRESSURE NATURAL GAS
MPG	MEDIUM PRESSURE NATURAL GAS
HPG	HIGH PRESSURE NATURAL GAS
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
SSD	SUBSOIL DRAIN
AW	ACID WASTE
AV	ACID VENT
PD	PUMP DISCHARGE LINE
TW	TEMPERED WATER
TWR	TEMPERED WATER RECIRCULATING
SCW	SOFT COLD WATER
CD	CONDENSATE DRAIN
DIS	DEIONIZED WATER SUPPLY
DIR	DEIONIZED WATER RETURN
RO	REVERSE OSMOSIS WATER
CWS	CHILLED WATER SUPPLY
CWR	CHILLED WATER RETURN
LS	LAWN SPRINKLER SUPPLY
F	FIRE PROTECTION WATER SUPPLY
GV	GAS VENT
FOS	FUEL OIL SUPPLY
FOR	FUEL OIL RETURN
FOV	FUEL OIL VENT
LO	LUBRICATING OIL
LOV	LUBRICATING OIL VENT
WO	WASTE OIL
WOV	WASTE OIL VENT
O2	OXYGEN
LO2	LIQUID OXYGEN
A	COMPRESSED AIR
MA	MEDICAL COMPRESSED AIR
LA	LABORATORY COMPRESSED AIR
HPCA	HIGH PRESSURE COMPRESSED AIR
HHWS	HEATING HOT WATER SUPPLY
HHWR	HEATING HOT WATER RETURN
VAC	VACUUM
RD	ROOF DRAIN
ORD	OVERFLOW ROOF DRAIN
IHWR	NONPOTABLE HOT WATER RETURN
MV	MEDICAL VACUUM
SV	SURGICAL VACUUM
LV	LABORATORY VACUUM
N2	NITROGEN
N20	NITROUS OXIDE
CO2	CARBON DIOXIDE

SYMBOL	DESCRIPTION
	VALVE AT DROP
	VALVE AT RISE
	ELBOW DOWN
	PIPE TEE UP & DOWN OR ELBOW UP
	PIPE TEE DOWN
	PIPE TEE UP

SYMBOL	DESCRIPTION
S	SOLENOID VALVE
	GATE VALVE
	BALL VALVE
	PRESSURE REDUCING VALVE
	CHECK VALVE, SWING
	PLUG VALVE
	STRAINER, Y-TYPE
FM	FLOW METER
RPZBP	BACKFLOW PREVENTER
	HOSE BIBB
	FLOOR DRAIN
	FLOOR SINK, 1/2 GRATE
	AREA DRAIN / INDUSTRIAL RECEPTOR
	SHUT-OFF VALVE IN YARDBOX
	BALANCING VALVE
	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
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

ABBREVIATION	DESCRIPTION
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.

SHEET INDEX

GENERAL NOTES

1. ALL WORK SHALL COMPLY WITH THE 2013 EDITIONS OF THE CALIFORNIA BUILDING, MECHANICAL, PLUMBING, AND OTHER APPLICABLE FEDERAL, STATE, OR LOCAL CODES AS ADOPTED AND ENFORCED BY THE LOCAL JURISDICTION. IN CASE THE PLANS SHOW MORE STRINGENT REQUIREMENTS, THE PLANS SHALL GOVERN THE DESIGN, YET NOTHING ON THE DESIGN DOCUMENTS SHALL BE INTERPRETED AS AUTHORITY TO VIOLATE CODE(S) OR REGULATION(S).
2. SUBMISSION OF BID IN CONNECTION WITH THIS WORK SHALL IMPLY THAT THE BIDDER HAS EXAMINED THE JOB SITE UNDER WHICH THE CONTRACTOR WILL BE OBLIGATED TO OPERATE UNDER THIS CONTRACT. NO EXTRA CHARGE WILL BE ALLOWED FOR FAILURE OF ANY BIDDER TO EXAMINE THE SITE PRIOR TO BID.
3. WHERE USED, THE TERM "PROVIDE" SHALL MEAN "FURNISH AND INSTALL".
4. IN THE EVENT OF A CONFLICT OR INCONSISTENCY BETWEEN ITEMS INDICATED ON DESIGN PLANS / SPECIFICATIONS WITH CODE REQUIREMENTS, THE MORE STRINGENT STANDARD SHALL PREVAIL.
5. CONTRACTOR SHALL FURNISH LABOR, MATERIALS, EQUIPMENT, AND TRANSPORTATION AS REQUIRED TO PROPERLY INSTALL ALL PLUMBING SYSTEMS OR RELATED COMPONENTS AS INDICATED ON PLANS AND SPECIFIED HEREIN.
6. ALL NEW EQUIPMENT AND MATERIAL TO BE INSTALLED AS PART OF RENOVATION / NEW CONSTRUCTION SHALL BEAR AN UNDERWRITERS LABORATORIES LABEL (UL), AND INSTALLED IN SUCH A MANNER FOR WHICH THEY ARE DESIGNED AND APPROVED.
7. CONTRACTOR SHALL DOCUMENT AND RELAY ANY MAJOR DEVIATIONS FROM THE DESIGN DOCUMENTS, AND ATTAIN APPROVAL FROM THE MECHANICAL ENGINEER BEFORE PROCEEDING. AS-BUILT COPIES SHALL BE PROVIDED INDICATING ALL CHANGES / DEVIATIONS MADE DURING CONSTRUCTION. CONTRACTOR SHALL PROVIDE COMPLETED AS-BUILT DRAWINGS IN THE LATEST VERSION OF AUTOCAD.
8. ALL WORK SHALL BE PERFORMED IN A CLEAN AND WORKMANLIKE MANNER. CARE SHALL BE EXERCISED TO MINIMIZE ANY INCONVENIENCE OR DISTURBANCE TO OTHER AREAS OF THE BUILDING WHICH ARE TO REMAIN IN OPERATION. ISOLATE WORK AREAS BY MEANS TO KEEP DUST AND DIRT WITHIN THE CONSTRUCTION AREA.
9. NO PIPING, EQUIPMENT, ETC. SHALL BE REMOVED, DISCONNECTED OR SHUT DOWN WITHOUT PRIOR REVIEW WITH THE COLLEGE TO CONFIRM THAT AREAS TO REMAIN IN OPERATION WILL NOT BE AFFECTED. IF ANY AREAS NOT WITHIN THE SCOPE OF WORK ARE AFFECTED BY ANY SHUTDOWN, REMOVAL OR DISCONNECTION, SUFFICIENT ADVANCE NOTICE MUST BE GIVEN TO THE COLLEGE INDICATING WHICH AREAS WILL BE AFFECTED, WHEN THE PROPOSED SHUTDOWN WILL OCCUR, AND FOR HOW LONG A PERIOD OF TIME.
10. THE ARRANGEMENT OF EQUIPMENT AND PIPING SHOWN ON THE DRAWINGS IS BASED UPON INFORMATION AVAILABLE TO THE ENGINEER AT THE TIME OF DESIGN AND IS NOT INTENDED TO SHOW EXACT DIMENSIONS 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 ADDITIONS MADE 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 MANUFACTURER'S WRITTEN INSTRUCTIONS.
17. ALL PLUMBING FIXTURE VENTS TO TERMINATE MINIMUM 12 INCHES FROM ANY VERTICAL SURFACE AND 10 FEET FROM OR 3 FEET ABOVE ANY OUTSIDE AIR INTAKES. NO FLAGPOLING PERMITTED.
18. ALL PIPING SHALL BE INSTALLED AS INDICATED ON THE DRAWINGS IN A NEAT WORKMANSHIP-LIKE MANNER AND BE SUPPORTED AS REQUIRED BY CODES, PIPING SHALL BE SET UP AND DOWN AND OFFSET AS REQUIRED TO SUIT FIELD CONDITIONS. DIELECTRIC COUPLINGS SHALL BE USED WHERE DISSIMILAR METALS ARE JOINED.
19. ALL PIPING DISCHARGING INTO FLOOR-SINKS AND/OR FLOOR DRAINS SHALL MAINTAIN MINIMUM AIR-GAP AS REQUIRED BY LOCAL CODES.
20. ALL VALVES, UNIONS, ETC. TO BE SAME SIZE AS LINE SIZE UNLESS OTHERWISE INDICATED ON DRAWINGS.
21. ISOLATE AND DRAIN EXISTING PIPING SYSTEM AS REQUIRED TO ACCOMMODATE INSTALLATION OF THE WORK.
22. UNIONS SHALL BE PROVIDED AND INSTALLED AFTER EACH SCREW-TYPE VALVE AND PRIOR TO EQUIPMENT CONNECTIONS.
23. EQUIPMENT ANCHORAGE NOTES:

    ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2013 CBC, SECTIONS 1616A.1.18 THROUGH 1616A.1.26 AND ASCE 7-10 CHAPTER 6 AND 30.

    A. ALL PERMANENT EQUIPMENT AND COMPONENTS.

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

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

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

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

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

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

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

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

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

    THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.
25. PLUMBING FIXTURES AND FAUCETS SHALL BE CERTIFIED BY THE STATE OF CALIFORNIA ENERGY COMMISSION AS REQUIRED BY THE CALIFORNIA ENERGY EFFICIENCY STANDARDS SECTION S-5314 AND TABLE "G".
26. ALL SOIL, WASTE, STORM DRAIN AND VENT PIPING SHALL SLOPE AT 2% UNLESS OTHERWISE INDICATED.
27. PIPING THROUGH FIRE RATED WALLS SHALL BE PER U.L. FIRE RESISTANCE SYSTEM NO. W1001. SEE ARCHITECTURAL PLANS FOR ALL WALL LOCATIONS.
28. REFER TO THE SPECIFICATIONS BOOK FOR ADDITIONAL REQUIREMENTS.

GENERAL NOTES

29. ALL CLEANOUTS SHALL BE INSTALLED WHERE READILY ACCESSIBLE. THE CONTRACTOR SHALL COORDINATE ALL CLEANOUT LOCATIONS WITH EQUIPMENT, CABINETS, ETC. AND THE ARCHITECT PRIOR TO ANY INSTALLATION.
30. KEEP ALL PIPING FROM LOAD BEARING FOOTINGS. IF UNABLE TO CLEAR FOOTINGS OR GRADE BEAMS, INSTALL PIPING 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.
32. ACCESSIBLE PLUMBING FIXTURES SHALL COMPLY WITH ALL OF THE REQUIREMENTS OF 2013 CBC CHAPTER 11A AND/OR 11B. HEIGHTS AND LOCATION OF ALL FIXTURES SHALL BE ACCORDING TO CBC 2013 SECTION 1138A.4. FIXTURE CONTROLS SHALL COMPLY WITH CBC 2013 SECTION 1138A.4.
33. ALL VALVES, TRAP PRIMERS, WATER HAMMER ARRESTERS OR OTHER EQUIPMENT SHOWN IN WALLS OR ABOVE NON-ACCESSIBLE CEILINGS SHALL BE INSTALLED BEHIND AN ACCESS PANEL.
34. ALL VENT THROUGH ROOF SHALL BE MINIMUM OF 3 FEET VERTICALLY AND 10 FEET HORIZONTALLY FROM ANY AIR CONDITIONING EQUIPMENT FRESH AIR INTAKES.
35. VERIFY WITH ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF ALL FLOOR DRAINS, ROOF, OVERFLOW DRAINS AND FLOOR SINKS.
36. FIXTURES SHALL BE PROTECTED DURING CONSTRUCTION FROM ANY DAMAGES. REFINISHED FIXTURES WILL NOT BE ACCEPTABLE UNDER ANY CONDITIONS.
37. HOSE BIB WITH VACUUM BREAKER SHALL BE PROVIDED UNDER LAVATORY IN EACH PUBLIC RESTROOM.
38. INSULATE INDIRECT DRAIN LINES FROM REFRIGERATORS, FREEZERS, ICE MAKER AND ICE BINS WITH MANVILLE AERO-TUBE OR EQUAL TO PREVENT CONDENSATE DRIPS.
39. INSULATE WASTE PIPE AND P-TRAP FROM FLOOR SINK, FLOOR DRAINS OR FUNNEL DRAINS COLLECTING INDIRECT DRAINS FROM REFRIGERATORS, FREEZERS, ICE MAKER AND ICE BINS TO PREVENT CONDENSATE DRIPS. INSULATE WASTE PIPE UP TO THE NEXT 3" OR 4" MAIN CONNECTION.
40. PROVIDE AND INSTALL GAS COCKS AND UNION AT EACH GAS FIRED EQUIPMENT.
41. PROVIDE AND INSTALL CHROME ANGLE VALVES ON HOT AND COLD WATER SUPPLY AT EACH PLUMBING FIXTURES.
42. ALL WATER FAUCETS SHALL BE PROVIDED WITH CODE APPROVED FLOW RESTRICTORS.
43. COVER ALL FLOOR DRAINS, FLOOR SINKS, ROOF AND OVERFLOW DRAINS DURING CONSTRUCTIONS TO PREVENT DEBRIS FROM ENTERING PIPE AND PROTECT GRATES FROM DAMAGES.
44. COORDINATE WITH ELECTRICAL CONTRACTOR PRIOR TO ORDERING EQUIPMENT FOR AVAILABLE VOLTAGES AT ALL EQUIPMENT LOCATIONS.
45. COORDINATE WITH ELECTRICAL CONTRACTOR FOR ALL TAMPER AND FLOW SWITCH LOCATIONS.
46. BECAUSE OF THE SMALL SCALE DRAWINGS, IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, FITTINGS AND ACCESSORIES WHICH MAY BE REQUIRED. THE CONTRACTOR SHALL CAREFULLY INVESTIGATE THE CONDITIONS SURROUNDING INSTALLATION OF HIS WORK, FURNISHING THE NECESSARY PIPING, FITTINGS, VALVES, TRAPS, AND OTHER DEVICES WHICH MAY BE REQUIRED TO COMPLETE THE INSTALLATION.
47. UNLESS SPECIFIED ON STRUCTURAL DRAWINGS, ANY ALTERATION OR MODIFICATIONS TO STRUCTURAL ELEMENTS BY CUTTING, DRILLING, BORING, BRACING, WELDING ETC. SHALL HAVE WRITTEN APPROVAL STRUCTURAL ENGINEER PRIOR TO START WORK.
48. ITEMS NOT SHOWN IN THE DRAWINGS BUT NECESSARY FOR COMPLETE OPERATION OF THE SYSTEM/FIXTURES/EQUIPMENT OR FOR COMPLETE CODE INSTALLATION SHALL BE PROVIDED AT NO ADDED COST TO THE OWNER.
49. DIELECTRIC UNION ISOLATOR WITH THREADED CONNECTIONS SHALL BE PROVIDED FOR CONNECTING INCOMPATIBLE MATERIALS.
50. ALL PLUMBING FIXTURES SHALL BE APPROVED BY OWNER PRIOR TO ORDERING.
51. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION OF ALL EXISTING UTILITIES TO WHERE HE IS TO CONNECT PRIOR TO INSTALLATION OF ANY PIPING. EXTEND NEW PIPING IF NECESSARY TO WHERE THE EXISTING IS.
52. ALL CONNECTIONS TO EXISTING SERVICES SHALL BE MADE SUCH THAT INTERRUPTION TIME WILL BE AS SHORT AS POSSIBLE. THE CONTRACTOR SHALL GIVE THE OWNER'S REPRESENTATIVE 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 CLOSE TO FIXTURE AS POSSIBLE.

    B. BETWEEN LAST 2 FIXTURES WHEN 3 OR MORE FIXTURES, OTHER THAN THOSE LISTED IN "A" ABOVE, ARE SERVED BY A COMMON HEADER.

    C. WHEN ARRESTOR SHALL BE INSTALLED IN WALL OR FURRING, FURNISH WITH AN ACCESS PLATE LARGE ENOUGH TO PERMIT REMOVAL OF ARRESTOR. ACCESS PLATE SHALL BE A MINIMUM OF 2 INCHES LARGER IN EACH DIRECTION THAN ARRESTOR.
55. ALL PIPING INTO STEM WALLS AND FOOTINGS SHALL BE DOUBLE HALF LAP WRAPPED WITH 1/8" THICK "ARMAFLEX" INSULATION. THE CONTRACTOR SHALL ALSO PROVIDE BLOCKED OUT AREAS IN STEM WALL AND FOOTING. ALL PIPING SHALL AVOID THE LOWER 8" OF THE FOOTING.
56. ALL HOT WATER PIPING SHALL BE INSULATED, INSULATION SHALL HAVE A FLAME SPREAD OF NOT MORE THAN 25 AND A SMOKE DENSITY NOT EXCEEDING 50 PER 2013 CMC SEC. 1201.3.2.11. SEE SPECIFICATION FOR OTHER REQUIREMENTS.
57. ALL CONNECTIONS TO SITE PIPING SHALL BE DONE BY THE PLUMBING CONTRACTOR.
58. CLEANOUTS SHALL BE PROVIDED PER 2013 CPC SECTION 707.0 & 719.0 AND TO THE FOLLOWING LOCATIONS:

    A. AT EACH BASE OF ROOF DRAIN DOWNSPOUTS.

    B. AT EACH BASE OF WASTE STACK.

    C. AT EVERY 100 FT OF STRAIGHT RUN OF HORIZONTAL PIPING .

    D. AT EACH AGGREGATE HORIZONTAL CHANGE IN DIRECTION EXCEEDING ONE HUNDRED THIRTY-FIVE (135) 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 2013 CPC SECTION 1211.8. SEE SEDIMENT TRAP INSTALLATION PER 2013 CPC FIGURE 1211.8.
60. DOMESTIC WATER PIPING AND COMPONENTS SHALL BE PROVIDED AND INSTALLED IN COMPLIANCE WITH CALIFORNIA AB 1953 LEGISLATION, WHICH LIMITS THE ALLOWABLE LEAD CONTENT IN CERTAIN DOMESTIC WATER SYSTEM COMPONENTS.
61. ALL PLUMBING FIXTURES AND FITTINGS SHALL MEET CALGREEN MANDATORY REQUIREMENT OF 20% REDUCED FLOW RATE SPECIFIED IN TABLE 5.303.2.3.

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LICENSED ARCHITECT JOSEPH MICHEL SFEIR C28843 REN 1-31-17 STATE OF CALIFORNIA

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PROJECT TITLE:
TCMC OBSERVATION ROOM

PROJECT #: 01643.00
DRAWN BY: ED
CHECKED BY: PAL
SCALE: As indicated
DATE: 10/11/16
SHEET NUMBER: P0-10

P2S No. 8452

DWG: V:\CAD_Drawings\8452\Plumbing\P0-10.dwg USER: Kyle Manning
DATE: Jun 15, 2017 5:42pm XREFS: Sfeir - 24x36 IMAGES:

100% CONSTRUCTION DOCUMENTS

FIXTURES

SYMBOL	FIXTURE	ROUGH-IN SIZE				DESCRIPTION / REMARKS
		W	V	CW	HW	
L-1	LAV	2"	1-1/2"	1/2"	1/2"	WHITEHALL MODEL WH3374. CUSTOM CABINET AND INTEGRAL SINK (SEE ARCHITECT.) THE LIGATURE RESISTANT FAUCET IS ARRANGED TO BE MOUNTED TO THE DECK OF THE LAVATORY. FAUCET ASSEMBLY REQUIRES (3) 1-5/16" TO 1-1/2" DIAMETER HOLES ON 4" CENTERSET. LIGATURE RESISTANT FAUCET WITH PUSHBUTTONS AND VALVE. VALVE IS AN AIR-CONTROL PNEUMATICALLY OPERATED, PUSHBUTTON VALVE USING ATMOSPHERIC AIR
WC-1	WATER CLOSET	4"	2"	1-1/2" (2)	N/A	WHITEHALL MODEL WH2142W-2-EGE10. WALL MOUNTED TOILET IS SIPHON JET TYPE WITH AN ELONGATED BOWL MANUFACTURED TO COMPLY WITH ASME A112.19.3 AND CSA B45.4 STANDARDS. TOILET HAS A 1-1/2" NPT FLUSHING INLET CONNECTION. WALL MOUNTING HARDWARE BY OTHERS. 1-1/2" FEMALE NPT FLUSHING INLET. ACCESS PANEL (BOTH SIDES). TOILET WASTE OUTLET. WH2898 ACCESS PANEL AND FLUSH VALV. MECHANICAL FLUSH VALVE PUSHBUTTON ACTUATOR. EXTERIOR SURFACES POWDER COATED WHITE. INTERIOR OF TOILET W/ SATIN FINISH (NOT POWDER COATED)

MATERIALS (2)

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

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

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

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

2. WATER ABOVE GRADE:

   PIPE: TYPE L HARD DRAWN COPPER, ASTM B88.

   FITTINGS: WROUGHT COPPER, ANSI B16.22

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

3. CATHODIC PROTECTION:

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

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TCMC OBSERVATION ROOM

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CARLSBAD, CALIFORNIA 92011
TEL(760)438-1188

ME&P: P2S ENGINEERING, INC.
9665 CHESAPEAKE DRIVE, SUITE 230
SAN DIEGO, CALIFORNIA 92123
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LICENSED ARCHITECT JOSEPH MICHEL SFEIR No. C 28543 REN. 1-31-17 STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER PAUL A. LUSTER No. M29400 3/24/16 MECHANICAL STATE OF CALIFORNIA

REV:	DESCRIPTION:	DATE:
1	OSHPD COMMENTS	12/02/2016
2	DESIGN CHANGES	12/02/2016
3	OSHPD COMMENTS	04/20/2017
4	OSHPD COMMENTS	06/14/2017

CONSULTANT
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OSHPD APPROVAL STAMP:

OSHPD #: S162581-37-00

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR

APPROVED

Laura Baldrati, Sr. Architect

Office of Statewide Health Planning & Development
FACILITIES DEVELOPMENT DIVISION

07/06/2017 10:48:54 AM
#[S162581-37-00]

SHEET TITLE:

SCHEDULES

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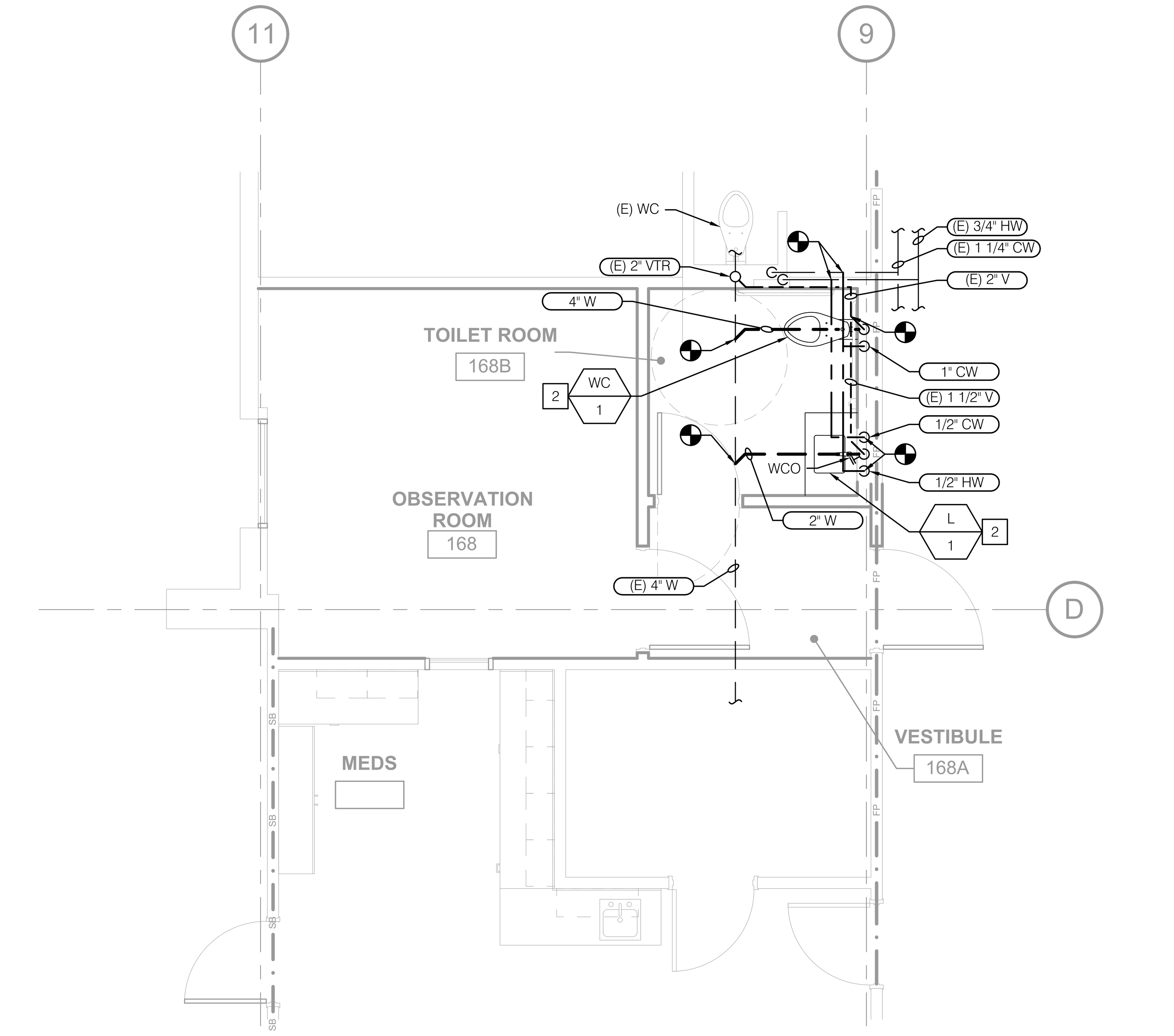
100% CONSTRUCTION DOCUMENTS

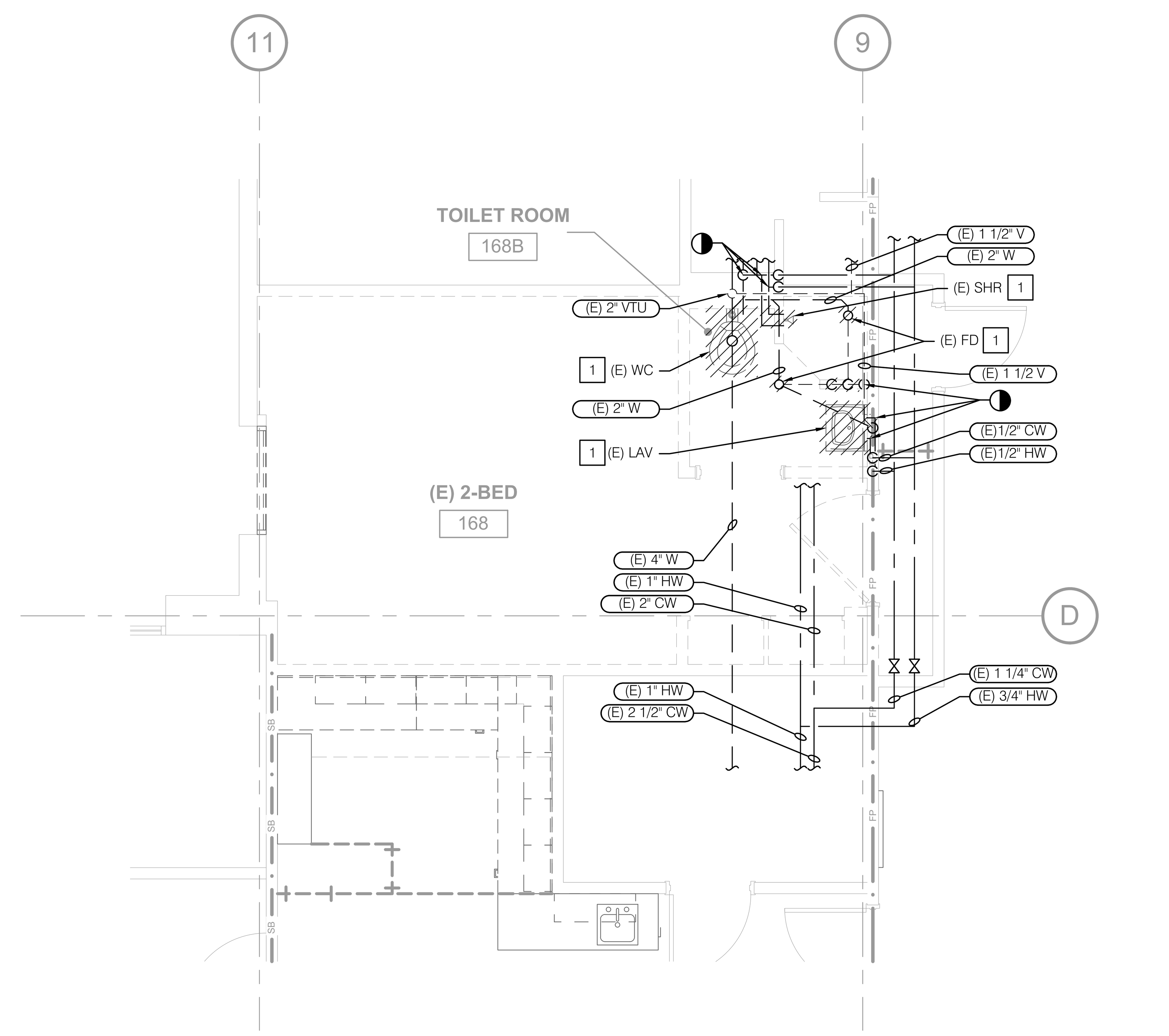
NOTES

1. REMOVE EXISTING FIXTURE AND ALL ASSOCIATED W, V, CW & HW PIPING AS APPLICABLE. CAP & SEAL ALL ABANDONED U/G WASTE AND VENT PIPING
2. CONNECT FIXTURE TO (E) W, V, CW & HW PIPING AS APPLICABLE



2 RENOVATION PLAN

1/4" = 1'-0"



1 DEMOLTION PLAN

1/4" = 1'-0"

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REGISTERED PROFESSIONAL ENGINEER MECHANICAL STATE OF CALIFORNIA 3/24/16

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APPROVED
Laura Baldrati, Sr. Architect
Office of Statewide Health Planning & Development
FACILITIES DEVELOPMENT DIVISION

07/06/2017 10:48:54 AM

SHEET TITLE:

DEMOLITION AND RENOVATION PLANS

PROJECT TITLE:

TCMC OBSERVATION ROOM

PROJECT #: 01643.00
DRAWN BY: ED
CHECKED BY: PAL
SCALE: As indicated
DATE: 10/11/16

SHEET NUMBER: P2-10

P2S No. 8452

100% CONSTRUCTION DOCUMENTS

LEGEND

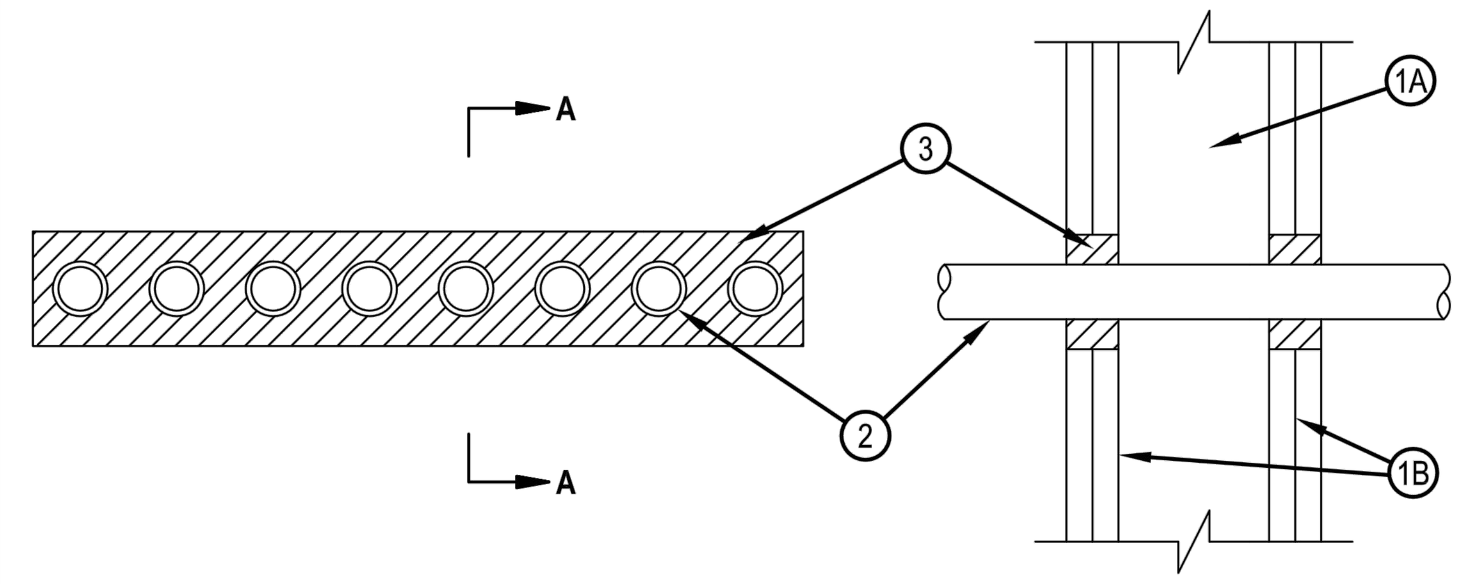
SYMBOL	DESCRIPTION
	NOTE CALLOUT
	MECHANICAL EQUIPMENT CALLOUT, SEE MECHANICAL PLANS FOR EXACT LOCATION AND REQUIREMENTS
	LIGHTING FIXTURE CALLOUT, SEE FIXTURE SCHEDULE: - LETTER DENOTES FIXTURE TYPE - NUMBER DENOTES FIXTURE VOLT/AMPS
	NEW LINEWORK
	EXISTING LINEWORK
	CONDUIT CONCEALED IN WALL OR ABOVE CEILING
	CONDUIT EXPOSED
	CONDUIT CONCEALED UNDERGROUND OR BELOW FLOOR
	CONDUIT CAPPED
A-1	BRANCH CIRCUIT HOMERUN TO PANELBOARD AND CIRCUITS AS INDICATED
	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
	1X4 FLUORESCENT LIGHT FIXTURE
	1X4 FLUORESCENT LIGHT FIXTURE UNSWITCHED/NIGHT LIGHT WITH 90 MINUTE EMERGENCY BATTERY PACK
	RECESSED DOWNLIGHT FIXTURE
	WALL MOUNTED LIGHT FIXTURE
	JUNCTION BOX
	SINGLE POLE SWITCH, DEVICE SHALL BE MOUNTED +48" MAX AND +36" MIN FROM THE CENTER OF DEVICE:
ab	SWITCH DUAL
	DUPLEX - WALL +18" A.F.F.
	DUPLEX RECEPTACLE, WALL MOUNTED @ 6" ABOVE COUNTER OR SPLASH. (CONNECT TO EMERGENCY GENERATOR)
	JUNCTION BOX - WALL
	PANELBOARD, 120/208V - SURFACE
CSFD	FIRE SMOKE DAMPER ON DUCT IN CEILING SPACE. PROVIDE 120V CONNECTION WITH S.P.S.T. SWITCH DISCONNECT MOUNTED IN ACCESSIBLE CEILING. CIRCUIT CONTROLLED BY FIRE ALARM ADDRESSABLE CONTROL MODULE. (2)

CLASSIFIED C UL US
Classified by Underwriters Laboratories, Inc. to UL 1479 and CAN/ULC-S115

System No. W-L-1095

F Ratings — 1 & 2 Hr (See Item 1)
T Ratings — 1 & 2 Hr (See Item 3)
L Rating At Ambient — Less Than 1 CFM/Sq Ft
L Rating At 400 F — 4 CFM/Sq ft

WL 1095



SECTION A-A

1. Wall Assembly — The 1 or 2 h fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300 or U400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC. Steel studs to be min 2-1/2 in. wide and spaced max 24 in. OC.
   B. Gypsum Board* — 5/8 in. thick, 4 ft wide with square or tapered edges. The gypsum wallboard type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance Directory. Max size of opening 2-5/8 in. by 18 in. The hourly F Rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed.
2. Electric Metallic Tubing (EMT) — One or more nom 1 in. diam steel electric tubing. The annular space shall be min 1/2 in. to a max 1 in. Conduit to be rigidly supported on both sides of wall assembly.
3. Fill, Void or Cavity Material* — Sealant — For 2 h F Rating, min 1-1/4 in. thickness of fill material applied within the annulus, flush with both surfaces of wall. For 1 h F Rating, min 5/8 in. thickness of fill material applied within the annulus, flush with both surfaces of wall.
   HILTI CONSTRUCTION CHEMICALS, DIV OF
   HILTI INC — FS-One Sealant

*Bearing the UL Classification Mark

Hilti Firestop Systems

Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc. January 02, 1997

ABBREVIATIONS

ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION
1/C	SINGLE CONDUCTOR	KVA	KILOVOLT-AMPERES
&	AND	KW	KILOWATT
@	AT	LF	LINEAR FEET
A OR AMP	AMPERES	LIS	LOAD INTERRUPTER SWITCH
ABV	ABOVE	LOC.	LOCATION
A.C.	ASPHALT CONCRETE	LTG	LIGHTING
AFF	ABOVE FINISHED FLOOR	LV	LOW VOLTAGE
AFG	ABOVE FINISH GRADE	MAX	MAXIMUM
AIC	AMPERE INTERRUPTING CAPACITY	MCC	MOTOR CONTROL CENTER
AL	ALUMINUM	MCP	MOTOR CIRCUIT PROTECTOR
APPROX.	APPROXIMATE	MFGR	MANUFACTURER
ARCH.	ARCHITECT; ARCHITECTURAL	MH	MANHOLE
ATC	AIR TERMINAL CHAMBER	MI.	MECHANICAL INTERLOCK
ATS	AUTOMATIC TRANSFER SWITCH	MRCT	MULTI-RATIO CURRENT TRANSFORMER
AUTO	AUTOMATIC	MTD	MOUNTED
AUX	AUXILIARY	MTG	MOUNTING
AWG	AMERICAN WIRE GAUGE	MV	MEDIUM VOLTAGE
BAT	BATTERY	N	NORTH
BEL	BELOW	NAC	NOTIFICATION APPLIANCE CIRCUIT
BKBD	BACKBOARD	NC	NORMALLY CLOSED
BKR	BREAKER	NEC	NATIONAL ELECTRICAL CODE
BLDG	BUILDING	NF	NON-FUSED
B.S.	BARE STRANDED	NIC	NOT IN CONTRACT
C	CONDUIT	NL	NIGHT LIGHT- 24HRS ON
CB	CIRCUIT BREAKER	NO.	NUMBER
CC	CONSTANT CURRENT	OC	ON CENTER
CKT	CIRCUIT	OD	OUTSIDE DIAMETER
CL	CENTER LINE	OE	OVERHEAD ELECTRICAL
CLG	CEILING	OFC	OIL FUSED CUTOUT
CMU	CONCRETE MASONRY UNIT	OH	OVERHEAD
C.O.	CONDUIT ONLY WITH PULL WIRE	OL	OIL LEVER SWITCH
COL	COLUMN	P	POLE
CP	COMMUNICATION PROCESSOR	PB	PULL BOX
CPT	CONTROL POWER TRANSFORMER	PC	PHOTOCELL
CR	CONTROL RELAY	PCB	POLYCHLORINATED BIPHENYL
CSU	CALIFORNIA STATE UNIVERSITY	PDS	PRESSURE DIFFERENTIAL SWITCH
CSFD	COMBINATION SMOKE FIRE DAMPER	PF	POWER FACTOR
CT	CURRENT TRANSFORMER	PH OR Ø	PHASE
CW	COLD WATER	PILC	PAPER INSULATED, LEAD COVER
CU	COPPER	PIV	POST INDICATING VALVE
DIAG	DIAGRAM	PL	PLATE
DL	DAMP LOCATION LISTING	PNL	PANEL
DM	DIGITAL METER	POC	POINT OF CONNECTION
DP	DISTRIBUTION PANEL	PRI.	PRIMARY
DIST.	DISTANCE	PVC	POLY-VINYL CHLORIDE
DWG	DRAWING	PWR	POWER
DWP	DEPARTMENT OF WATER & POWER	REC/RECEPT	RECEPTACLE
EA	EACH	REQ'D	REQUIRED
ELEC.	ELECTRICAL	RGS	RIGID GALVANIZED STEEL
EMH	ELECTRICAL MANHOLE	RPBP	REDUCED PRESSURE BACK FLOW PREVENTER
EMT	ELECTRICAL METALLIC TUBING	RM	ROOM
EPO	EMERGENCY POWER OFF	SCE	SOUTHERN CALIFORNIA EDISON
EPR	ETHYLENE PROPYLENE RUBBER	SF	SQUARE FEET
EQUIP	EQUIPMENT	SHT	SHEET
EXIST/(E)	EXISTING	SIG.	SIGNAL
EXP	EXPLOSION PROOF	SP	SPARE
FA	FIRE ALARM	SPECS	SPECIFICATIONS
FFE	FINISHED FLOOR ELEVATION	ST	STREET
FIN.	FINISH	STD	STANDARD
FIP	FIELD INTERFACE PANEL	SW	SWITCH
FIXT	FIXTURE	SWBD	SWITCHBOARD
FLA	FULL LOAD AMPS	SWGR	SWITCHGEAR
FLR	FLOOR	SWST	SWITCHING STATION
FLUOR	FLUORESCENT	TB	TERMINAL BLOCK
FT	FEET	TEL./TELE	TELEPHONE
FACP	FIRE ALARM CONTROL PANEL	TMH	TELEPHONE MANHOLE
FATC	FIRE ALARM TERMINAL CABINET	T.O.D.	TOP OF DUCTBANK
FO	FIBER OPTIC	T.O.M.	TOP OF MANHOLE
FTG	FOOTING	TPS	TWISTED SHIELDED PAIR
GFI	GROUND FAULT INTERRUPTER	TRANSF/XFMR	TRANSFORMER
GFR	GROUND FAULT RELAY	TS	TAMPER SWITCH
GG	GREEN GROUND	TYP	TYPICAL
GND	GROUND	UG	UNDERGROUND
HOA	HAND-OFF-AUTOMATIC	UON	UNLESS OTHERWISE NOTED
HP	HORSEPOWER	V	VOLTS
HT	HEIGHT	VA	VOLT-AMPERES
HTR	HEATER	VB	VIBRATION SWITCH
HZ	HERTZ	VFD	VARIABLE FREQUENCY DRIVE
IE	INVERT ELEVATION	W	WATTS
ISC	SHORT CIRCUIT CURRENT	W/	WITH
INCAND	INCADESCENT	W/O	WITHOUT
JB	JUNCTION BOX	WP	WEATHERPROOF
KCMIL	THOUSAND CIRCULAR MILS	Z	IMPEDANCE
KV	KILOVOLT	(ER)	EXISTING TO REMAIN
		(ERR)	EXISTING TO TO BE REMOVED, RELOCATED AND RECONNECTED

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.

SHEET INDEX

GENERAL NOTES

1. APPLICABLE CODES:
   2012 IBC AND 2013 CALIFORNIA AMENDMENTS
   (2013 CALIFORNIA BUILDING CODE - PART 2, TITLE 24, CCR)
   2011 NEC AND 2013 CALIFORNIA AMENDMENTS
   (2013 CALIFORNIA ELECTRICAL CODE - PART 3, TITLE 24, CCR)
   2013 UMC AND 2012 CALIFORNIA AMENDMENTS
   (2012 CALIFORNIA MECHANICAL CODE - PART 4, TITLE 24, CCR)
   2013 UPC AND 2012 CALIFORNIA AMENDMENTS
   (2012 CALIFORNIA PLUMBING CODE - PART 5, TITLE 24, CCR)-
   (PUBLISHER IAPMO)
   2012 IFC AND 2013 CALIFORNIA AMENDMENTS
   (2013 CALIFORNIA FIRE CODE - PART 9, TITLE 24, CCR)
2. THE INTENT OF THE DRAWINGS AND SPECIFICATIONS IS TO RECONSTRUCT THE HOSPITAL BUILDING IN ACCORDANCE WITH THE CALIFORNIA BUILDINGS STANDARD CODE, TITLE 24, CALIFORNIA CODE OF REGULATIONS. SHOULD ANY CONDITION DEVELOP NOT COVERED BY THE CONTRACT DOCUMENTS WHERE IN THE FINISHED WORK WILL NOT COMPLY WITH THE SAID TITLE 24, CALIFORNIA CODE OF REGULATIONS, A CHANGE ORDER DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY OFFICE OF STATE WIDE HEALTH PLANNING AND DEVELOPMENT BEFORE PROCEEDING WITH THE WORK.
3. WHEN INSTALLING DRILLED-IN ANCHORS/OR POWDER DRIVEN PINS IN EXISTING NON-PRESTRESSED REINFORCED CONCRETE, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE EXISTING REINFORCING BARS. WHEN INSTALLING THEM INTO EXISTING PRESTRESSED CONCRETE (PRE- OR POST-TENSIONED), LOCATE THE PRESTRESSED TENDONS BY USING A NON-DESTRUCTIVE METHOD PRIOR TO INSTALLATION. EXERCISE EXTREME CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE TENDONS DURING INSTALLATION. MAINTAIN A MINIMUM CLEARANCE OF ONE INCH BETWEEN THE REINFORCEMENT AND THE DRILLED-IN ANCHOR AND/OR PIN.
4. ALL ELECTRICAL SERVICES IN THE HOSPITAL ARE TO REMAIN OPERATIONAL DURING THE ENTIRE CONTRACT PERIOD. ANY INTERRUPTION OF ELECTRICAL POWER FOR THE PERFORMANCE OF THIS WORK SHALL BE ONLY AT SUCH TIME AND SUCH DURATION AS APPROVED IN WRITING BY THE OWNER.
5. CUT AND PATCH EXISTING CEILING AND WALL CONSTRUCTION AS REQUIRED FOR CONDUIT, OUTLET BOX, SUPPORTS AND EQUIPMENT INSTALLATION. REPAIR OF EXISTING CONSTRUCTION SHALL MATCH EXISTING TO THE ARCHITECTS SATISFACTION.
6. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF CEILING MOUNTED FIXTURES, SMOKE DETECTORS, SPEAKERS & OUTLETS.
7. ALL CONDUIT PENETRATIONS OF FIRE RATED WALLS, FLOORS AND ROOF SHALL BE FIRE STOPPED. FIRE STOP MATERIALS SHALL BE TESTED ASSEMBLY APPROVED BY THE OSHPD FIRE MARSHAL.
8. CONTRACTOR SHALL COMPLY WITH ALL GROUNDING AND BONDING REQUIREMENTS OF C.E.C. 517-13,15 & 78.
9. ADJUST CEILING MOUNT SMOKE DETECTOR LOCATIONS IF REQUIRED TO PROVIDE 3 FOOT MINIMUM DISTANCE FROM SUPPLY AIR DIFFUSERS. CEILING MOUNT SMOKE DETECTORS AT FIRE DOORS, SHALL BE LOCATED 5 FOOT MAXIMUM FROM FIRE DOOR.
10. PROVIDE LOWRY SOUND DEADENING CLAY PADS ON BACK & SIDES OF ALL OUTLETS & BACKBOXES IN COMMON WALLS OF PATIENT ROOMS.
11. WHERE PROVIDED, THROUGH-PENETRATION FIRESTOP SYSTEM AND MEMBRANE PENETRATION DETAILS ARE FOR REFERENCE ONLY. THROUGH-PENETRATIONS AND MEMBRANE PENETRATIONS SHALL BE PROTECTED BY AN APPROVED PENETRATION FIRESTOP SYSTEM OR MEMBRANE PENETRATION FIRESTOP SYSTEM INSTALLED AS TESTED IN ACCORDANCE WITH ASTM E 814 OR UL 1479, WITH A MINIMUM POSITIVE PRESSURE DIFFERENTIAL OF 0.01 INCH (2.49 PA) OF WATER OR AS OTHERWISE PERMITTED BY CBC, SECTION 714. LISTED THROUGH-PENETRATION FIRESTOP SYSTEMS AND MEMBRANE PENETRATION FIRESTOP SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE INSTALLATION DETAILS FOR LISTED SYSTEMS. LISTED THROUGH-PENETRATION FIRESTOP SYSTEMS, MEMBRANE PENETRATION PROTECTION AND OTHER PERMITTED MEANS AND METHODS OF PENETRATION PROTECTION SHALL BE SUBMITTED FOR OSHPD FDD REVIEW AND APPROVAL PRIOR TO INSTALLATION.
12. ALL ELECTRICAL DEVICE LOCATIONS AND CONDUIT ROUTING INDICATED ON DRAWINGS ARE DIAGRAMMATICALLY SHOWN.

DEMOLITION NOTES

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

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LICENSED ARCHITECT — JOSEPH MICHEL SFEIR — No. C25543 — REN. 1-31-17 — STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER — No. E15151 — 6/30/18 — ELECTRICAL — STATE OF CALIFORNIA

REV:	DESCRIPTION:	DATE:
1	OSHPD COMMENTS	12/02/2016
2	DESIGN CHANGES	12/02/2016
3	OSHPD COMMENTS	04/20/2017
4	OSHPD COMMENTS	06/14/2017

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OSHPD APPROVAL STAMP:
OSHPD #: S162581-37-00

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

07/06/2017 10:48:54 AM
#[S162581-37-00]

SHEET TITLE:
NOTES, ABBREVIATIONS, AND LEGEND

PROJECT TITLE:
TCMC OBSERVATION ROOM

PROJECT #:	01643.00
DRAWN BY:	ED
CHECKED BY:	PAL
SCALE:	As indicated
DATE:	10/11/16
SHEET NUMBER:	E0-10

P2S No. 8452

100% CONSTRUCTION DOCUMENTS

DWG: V:\CAD_Drawings\8452\Electrical\8452 - E0-10.dwg USER: Kyle Manning
DATE: Jun 15, 2017 5:42pm XREFS: Sfeir - 24x36 IMAGES:

LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	TOTAL V-A	LAMPS NO.	LAMPS V-A	LAMPS TYPE	VOLTAGE	MTG.	REMARKS
A / 50	TAMPER RESISTANT RECESSED GYPSUM MOUNTED 1' X 4' 3500K LED WITH STANDARD 0-10V DIMMING DRIVER. KENALL #CSEDO-14-45L35-DCC-120-5F-RM	50	-	50	LED	120	R	NOTES 1, 2
B / 16	TAMPER RESISTANT RECESSED 6" DIAMETER DOWNLIGHT LED WITH STANDARD 0-10V DIMMING DRIVER. KENALL #CDL6VL2-13L35K-120-2FW-T	16	-	16	LED	120	R	NOTES 1, 2

GENERAL NOTES:

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

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.

(E)PANEL: C — NORMAL BRANCH

LOCATION : ELECTRICAL CLOSET
FLOOR : 1ST
MOUNTING : SURFACE
VOLTAGE/ PHASE : 208Y/120V, 3Ø,4W
BUS AMPS : 225A
MAIN BREAKER : 225A
FED FROM : SUBSTATION DIST. SWBD.
RATING: 10K

LOADS	SEE NOTE	*	OUTLETS LTG	OUTLETS REC	OUTLETS MISC	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	OUTLETS LTG	OUTLETS REC	OUTLETS MISC	*	SEE NOTE	LOADS
(E)LTG REC ROOM									1	20/1	*--	20/1	2									(E)REC TELE EQ RM, ADMIT, BUS OFF, RECEPTION
(E)LTG RST RMS, COUNSELOR DIR CONF, SOIL									3	20/1	-*-	20/1	4									(E)REC LOBBY CORRDIOR
(E)LTG CLEAN LINEN, RMS 168,169	1								5	20/1	--*	20/1	6									(E)REC PRIVATE RM 168, 169, 170
(E)LTG RM 170									7	20/1	*--	20/1	8									(E)REC PRIVATE BATH, SOIL LINEN, JANITOR
SPARE									9	20/1	-*-	20/1	10									(E)REC
SPARE									11	20/1	--*	20/1	12									(E)REC DAY RM TVS
(E)REC COUNSELOR, DIRECTOR, CORRIDOR									13	20/1	*--	20/1	14									(E)REC RM 149
(E)REC COUNSELOR, DIRECTOR, CORRIDOR									15	20/1	-*-	20/1	16									(E)REC RMS 168,169
(E)REC LOBBY, RESTROOMS									17	20/1	--*	20/1	18									(E)REC RM 168
(E) REC RM 170									19	20/1	*--	20/1	20									(E)REC LOBBY, ADMIT, BUS OFF, RECEPTION
(E) REC RM 170									21	20/1	-*-	20/1	22									(E)REC ADMITTING & BUS OFFICE
(E) REC TELE BKBD									23	20/1	--*	20/1	24									(E)REC TELE BKBD
(E)REC PRIVATE CONF									25	20/1	*--	20/1	26									(E) LOAD
(E)REC JANITOR, TELE RM, CORRIDOR									27	20/1	-*-	20/1	28									(E) LOAD
(E)REC SOLAR, DIFF, CONTROLLER									29	20/1	--*	20/1	30									(E) LOAD
(E) LOAD									31	20/1	*--	20/1	32									(E) LOAD
(E) LOAD									33	20/1	-*-	20/1	34									(E) LOAD
(E) LOAD									35	20/1	--*	20/1	36									(E) LOAD
(E) LOAD									37	20/1	*--	20/1	38									(E) LOAD
(E) LOAD									39	20/1	-*-	20/1	40									(E) LOAD
(E) LOAD									41	20/1	--*	20/1	42									(E) LOAD

TOTAL ØA = 0 VOLT-AMPS 0 AMPS
TOTAL ØB = 0 VOLT-AMPS 0 AMPS
TOTAL ØC = 0 VOLT-AMPS 0 AMPS

TOTAL PANEL = 0 VA @ 208V, 3Ø = 0 AMPS

NOTES:
* "L" DENOTES LONG CONTINUOUS LOAD
1. CIRCUIT LOAD MODIFIED WITH NO LOAD INCREASE.

(E)PANEL: E — NON-SEGREGATED EMERGENCY BRANCH

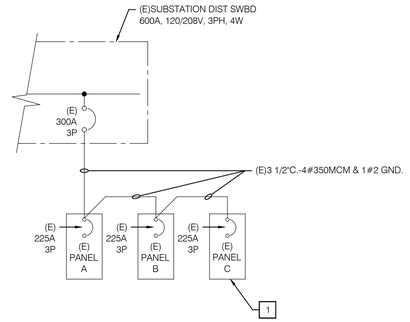
LOCATION : STORAGE ROOM
FLOOR : 1ST
MOUNTING : RECESSED
VOLTAGE/ PHASE : 208Y/120V, 3Ø,4W
BUS AMPS : 100A
MAIN BREAKER : 50A
FED FROM : PANEL 2EMC
RATING: 10K

LOADS	SEE NOTE	*	OUTLETS LTG	OUTLETS REC	OUTLETS MISC	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	OUTLETS LTG	OUTLETS REC	OUTLETS MISC	*	SEE NOTE	LOADS
(E)EXT LTS, SPRINK & SMOKE ALARM IN BUS OFF									1	20/1	*--	20/1	2									(E)NURSE STATION
(E)EMERGENCY LIGHTS & RM 168	2						200		3	20/1	-*-	20/1	4									(E)NURSE STATION
(E)EMERGENCY LTS & UPS FOR I.T. PHONE EQUIP									5	20/1	--*	20/1	6									(E)MEDICINE
(E)REC TREAT & RECOV									7	20/1	*--	20/1	8									(E)MODULAR ALARM
(E)REC TREAT & RECOV									9	20/1	-*-	20/1	10									(E)NURSE CALL SYSTEM
(E)REC TREAT & RECOV									11	20/1	--*	20/1	12									(E)DOOR LOCK SYSTEM
(E)LTG TREAT & RECOV									13	20/1	*--	20/1	14									(E)EMERGENCY LIGHTS
(E)LTG TREAT & RECOV									15	20/1	-*-	20/1	16									(E)TV CABINET & HAZZARD LUGHT
(E)LTG TREAT & RECOV									17	20/1	--*	20/1	18									(E)LOAD
(E)RMS 171,172,173,174									19	20/1	*--	20/1	20									(E)FIRE ALARM
(E)RMS 163,164,165,166,167									21	20/1	-*-	20/1	22									(E)OUTLET BELOW
(E)RMS 160,161,162,169,170									23	20/1	--*	20/1	24									(E)PIXIS
(E)LOAD									25	20/1	*--	20/1	26									(E)ROLL UP DOOR
(E)AC CONTROL									27	20/1	-*-	20/1	28									(E)FRONT DOOR
(E)LOAD									29	20/1	--*	20/1	30			50			1		1	CSFD
									31		*--		32									
									33		-*-		34									
									35		--*		36									
									37		*--		38									
									39		-*-		40									
									41		--*		42									

TOTAL ØA = 0 VOLT-AMPS 0 AMPS
TOTAL ØB = 200 VOLT-AMPS 1.667 AMPS
TOTAL ØC = 50 VOLT-AMPS 0.417 AMPS

TOTAL PANEL = 250 VA @ 208V, 3Ø = 1 AMPS

NOTES:
* "L" DENOTES LONG CONTINUOUS LOAD
1. PROVIDE CIRCUIR BREAKER INDICATED IN AVAILABLE SPACE.
2. INDICATES LOAD ADDED TO EXISTING CIRCUIT. (EXISTING LOAD 204W + 200W ADDEDLOAD = 404W NEW TOTAL LOAD)



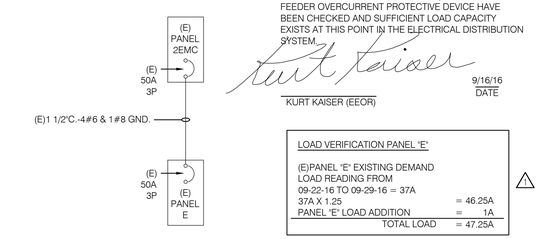
NORMAL BRANCH

SHEET NOTES

1. ALL NEW FEEDER CONDUCTORS SHALL BE CONTINUOUS WITH NO SPICES.
2. ALL FEEDERS SHALL BE COPPER WITH 90° C. (THHN/THWN) INSULATION.
3. NEW CIRCUIT BREAKERS SHALL BE TYPE TO MATCH EXISTING, U.N.O. PROVIDE ALL REQUIRED MOUNTING HARDWARE, LUGS AND COVERPLATES FOR A COMPLETE INSTALLATION.

NOTES

1 NO LOAD INCREASE AS PART OF THIS PROJECT.



THE LEVEL TWO PANEL (NON-SEGREGATED EMERGENCY BRANCH PANEL "2EMC"), ITS FEEDER AND FEEDER OVERCURRENT PROTECTIVE DEVICE HAVE BEEN CHECKED AND SUFFICIENT LOAD CAPACITY EXISTS AT THIS POINT IN THE ELECTRICAL DISTRIBUTION SYSTEM.

9/16/16
DATE

KURT KAISER (EEOR)

LOAD VERIFICATION PANEL "E"

(E)PANEL "E" EXISTING DEMAND
LOAD READING FROM
09-22-16 TO 09-29-16 = 37A
37A X 1.25 = 46.25A
PANEL "E" LOAD ADDITION = 1A
TOTAL LOAD = 47.25A

NON-SEGREGATED EMERGENCY BRANCH

1 SINGLE LINE DIAGRAMS
NO SCALE

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LICENSED ARCHITECT — JOSEPH MICHEL SFEIR — No. C 28543 — REN. 1-31-17 — STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER — Kurt Kaiser — No. E15151 6/30/18 — ELECTRICAL — STATE OF CALIFORNIA

REV:	DESCRIPTION:	DATE:
1	OSHPD COMMENTS	12/02/2016
2	DESIGN CHANGES	12/02/2016
3	OSHPD COMMENTS	04/20/2017
4	OSHPD COMMENTS	06/14/2017

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OSHPD APPROVAL STAMP:

OSHPD #: S162581-37-00

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

07/06/2017 10:48:54 AM
#[S162581-37-00]

SHEET TITLE:

SINGLE LINE DIAGRAM AND SCHEDULES

PROJECT TITLE:

TCMC OBSERVATION ROOM

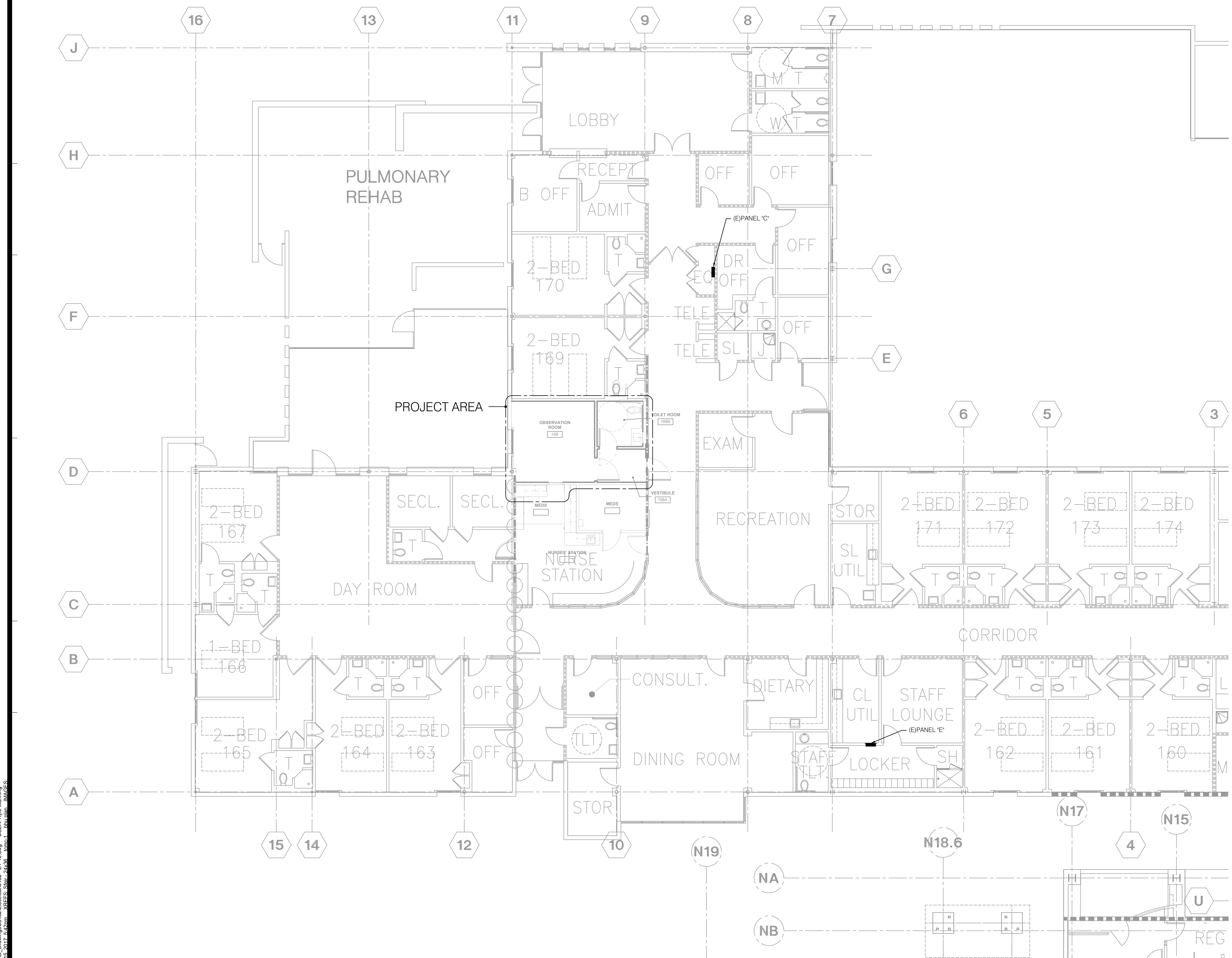
PROJECT #: 01643.00
DRAWN BY: ED
CHECKED BY: PAL
SCALE: As indicated
DATE: 10/11/16

SHEET NUMBER: E0-11

P2S No. 8452

100% CONSTRUCTION DOCUMENTS

DWG: V:\CAD_Drawings\8452\Electrical\8452 - E0-11.dwg USER: Kyle Manning
DATE: Jun 15, 2017 - 2:49pm XREFS: Sht - 24x36 IMAGES:



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

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REGISTERED PROFESSIONAL ENGINEER — ELECTRICAL — No. E15151 — 6/30/18 — STATE OF CALIFORNIA

REV.	DESCRIPTION:	DATE:
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APPROVED
Laura Baldrati, Sr. Architect
Office of Statewide Health Planning & Development
FACILITIES DEVELOPMENT DIVISION

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#[S162581-37-00]

SHEET TITLE:
OVERALL PLAN

PROJECT TITLE:
TCMC OBSERVATION ROOM

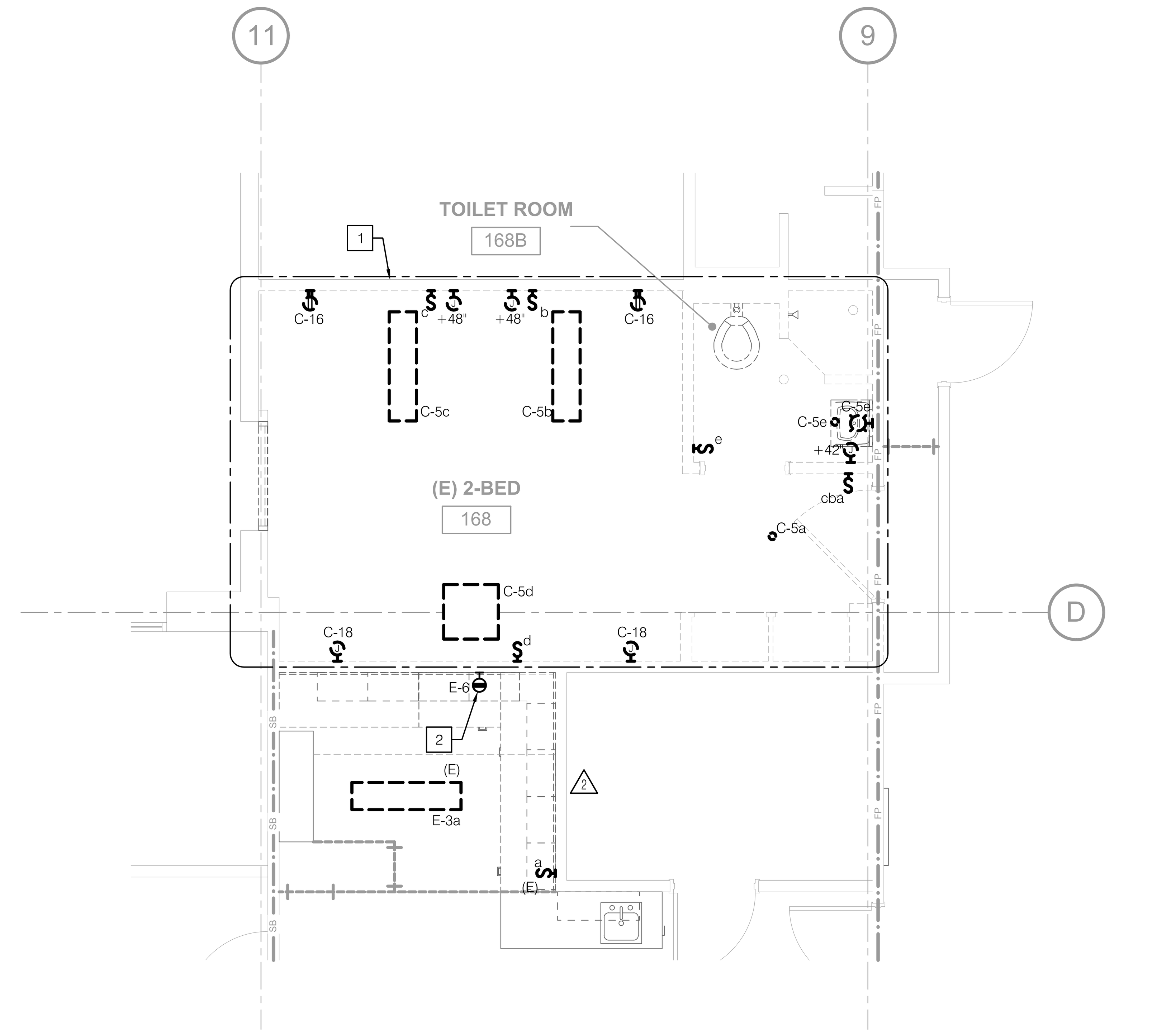
PROJECT #: 01643.00
DRAWN BY: ED
CHECKED BY: PAL
SCALE: As indicated
DATE: 10/11/16

SHEET NUMBER:
E1-10

P2S No. 8452

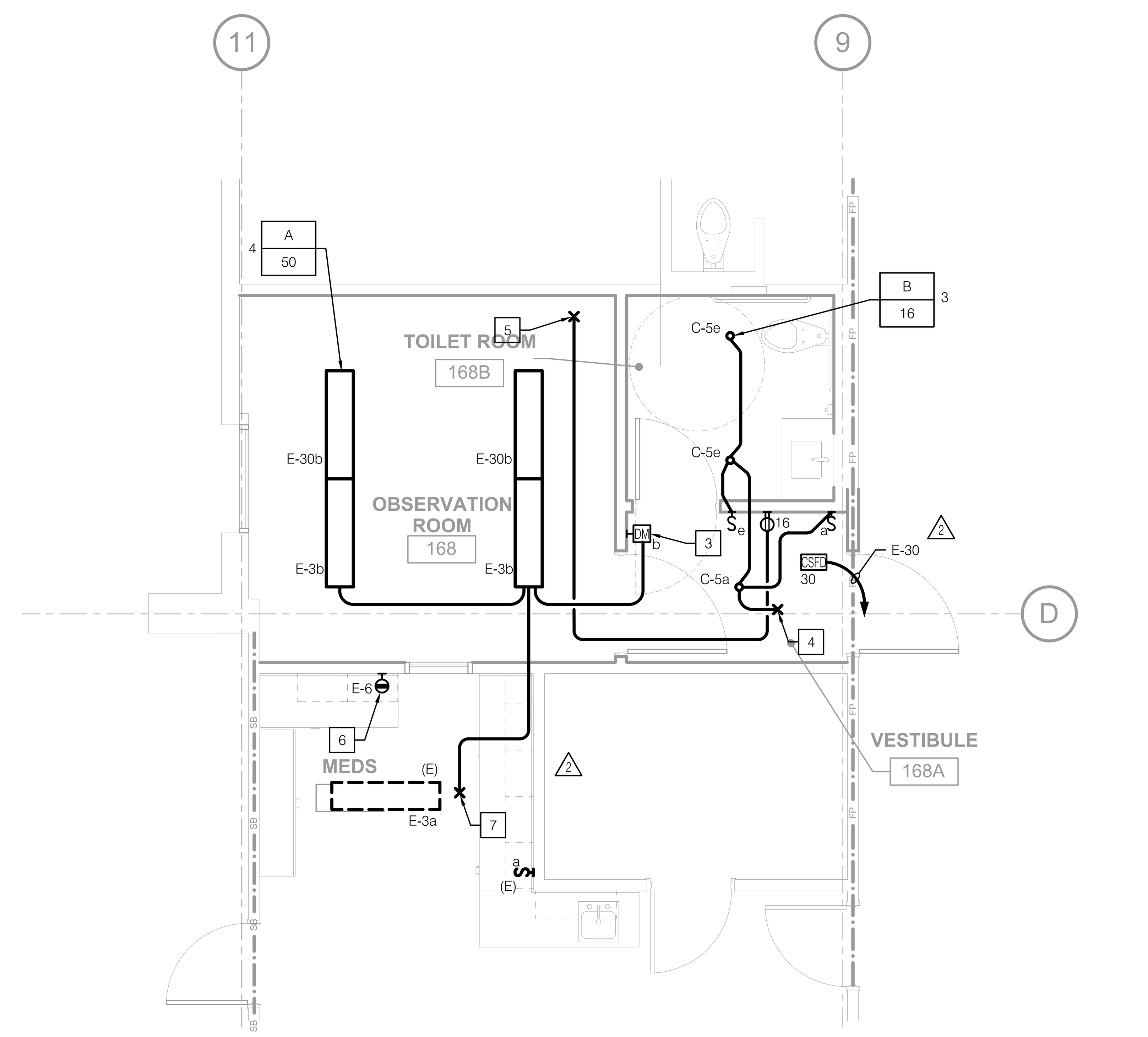
100% CONSTRUCTION DOCUMENTS

DWG: V:\CAD_Drawings\8452\Electrical\8452 - E1-10.dwg USER: Kyle Manning
DATE: Jun 15, 2017 5:42pm XREFS: Sfeir - 24x36 tcmo-1 Nu-plan IMAGES:



2 DEMOLTION PLAN

1/4" = 1'-0"



1 RENOVATION PLAN

1/4" = 1'-0"

NOTES

1. ALL EXISTING ELECTRICAL TO BE REMOVED UNLESS OTHERWISE NOTED.
2. EXISTING RECEPTACLE TO BE RELOCATED.
3. PROVIDE LUTRON SLIDE-TO-OFF DIMMER #NTF-10-WH.
4. INTERCEPT EXISTING UNSWITCHED LIGHTING CIRCUIT "C-5" AND EXTEND AS INDICATED. NO INCREASE IN LOAD.
5. INTERCEPT EXISTING RECEPTACLE CIRCUIT "C-16" AND EXTEND AS INDICATED. NO INCREASE IN LOAD.
6. RECONNECT RELOCATED RECEPTACLE TO EXISTING CIRCUIT. NO INCREASE IN LOAD.
7. INTERCEPT EXISTING RECEPTACLE CIRCUIT "E-3" AND EXTEND AS INDICATED. REFER TO PANEL SCHEDULE FOR LOAD SUMMARY. (2)

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LICENSED ARCHITECT, JOSEPH MICHEL SFEIR, No. C28543, REN. 1-31-17, STATE OF CALIFORNIA

No. E15151, 6/30/18, ELECTRICAL, STATE OF CALIFORNIA

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Office of Statewide Health Planning & Development
FACILITIES DEVELOPMENT DIVISION

07/06/2017 10:48:54 AM
#[S162581-37-00]

SHEET TITLE:

DEMOLITION AND RENOVATION PLANS

PROJECT TITLE:

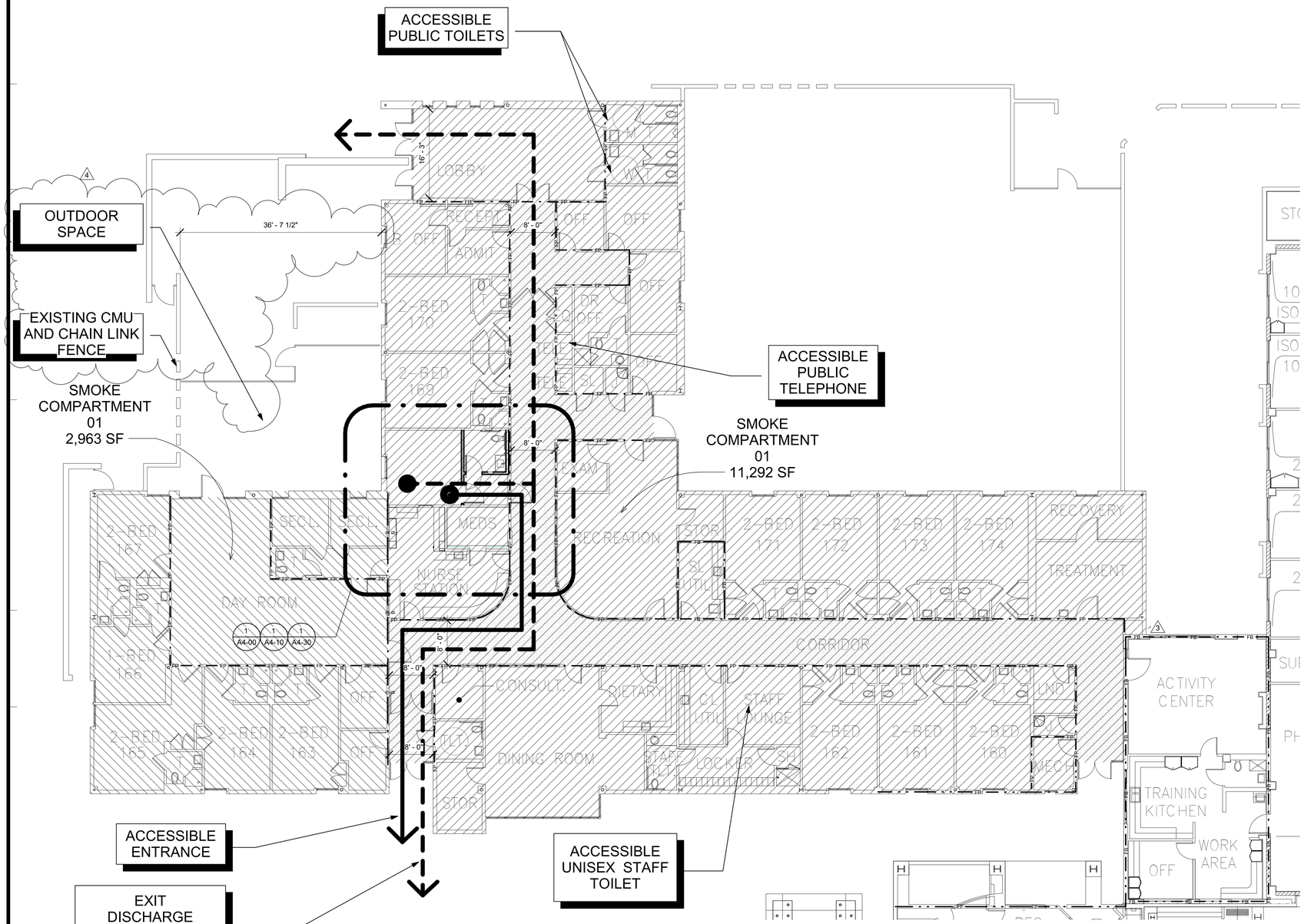
TCMC OBSERVATION ROOM

PROJECT #: 01643.00
DRAWN BY: ED
CHECKED BY: PAL
SCALE: As indicated
DATE: 10/11/16

SHEET NUMBER: E2-10

P2S No. 8452

100% CONSTRUCTION DOCUMENTS



① CODE COMPLIANCE BHU FIRST FLOOR PLAN

1" = 10'-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.

CODE COMPLIANCE PARTITION LEGEND:

→	ACCESSIBLE PATH OF TRAVEL.
- - →	EGRESS PATH OF TRAVEL.
▨	ONE-HOUR RATED CORRIDOR.
SB — • — SB	INDICATES A ONE HOUR SMOKE BARRIER.
FP — • — FP	INDICATES A ONE HOUR FIRE RATED PARTITION.
FB — • — FB	INDICATES A ONE HOUR RATED FIRE BARRIER.
FB — • • — FB	INDICATES A TWO HOUR RATED FIRE BARRIER.

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LICENSED ARCHITECT
JOSEPH MICHEL SFEIR
No. C28543
REN. 1-31-17
STATE OF CALIFORNIA

REV:	DESCRIPTION:	DATE:
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CONSULTANT

OSHPD APPROVAL STAMP:
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APPROVED
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FACILITIES DEVELOPMENT DIVISION

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#[S162581-37-00]

SHEET TITLE:
CODE COMPLIANCE FIRST FLOOR PLAN

PROJECT TITLE:
TCMC OBSERVATION ROOM

PROJECT #: 01643.00
DRAWN BY: Author
CHECKED BY: Checker
SCALE: As indicated
DATE: 10/11/16

SHEET NUMBER: 1
A1-01A

100% CONSTRUCTION DOCUMENTS

NOTES:

1.

FINISH LEGEND:

FLOORS:

SV-1	MANNINGTON SHEET VINYL "BUTTERMILK" 15360
SV-2	MATCH EXISTING
VCT-1	MATCH EXISTING

DOOR & FRAME:

DR-1	DOOR:	SHERWIN WILLIAMS SW 7032 "WARM STRONG BEIGE"
	FRAME:	SHERWIN WILLIAMS SW 7032 "WARM STRONG BEIGE"

BASE:

B-1	MANNINGTON SHEET VINYL "BUTTERMILK" - 6" INTEGRAL COVE (NO METAL TRIM) SEE 2/ID-1
B-2	MATCH EXISTING

WALLS:

P-1	SHERWIN WILLIAMS SW 7002 "DOWNY" EPOXY
P-2	MATCH EXISTING
WC-1	1-1/2" FOAM COVERED WITH HEAVY DUTY CLASS A FIRE RATED VINYL - COLOR TO MATCH SHERWIN WILLIAMS SW 7032 "WARM STRONG BEIGE"
WC-2	ACROVYN #103 "BEIGE"

CEILINGS:

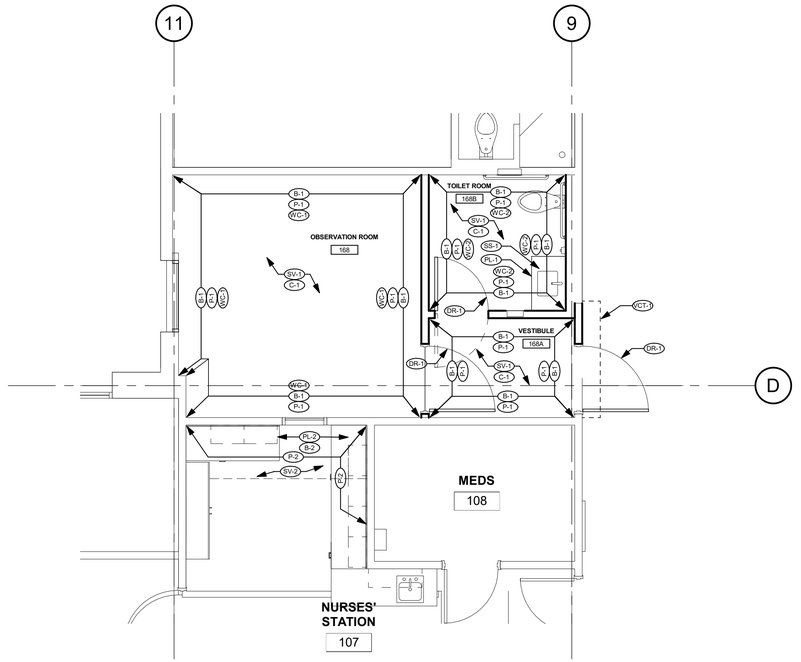
C-1	GYPSUM BOARD SHERWIN WILLIAMS SW 6119 "ANTIQUE WHITE"

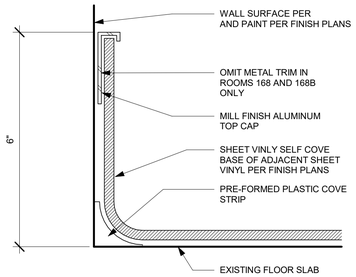
LAMINATE & ALL EXPOSED SURFACES:

PL-1	WILSONART #7919K-78 "AMBER CHERRY"
PL-2	MATCH EXISTING

COUNTERTOPS:

SS-1	CORIAN "GRANOLA F"





NOTES:

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

2 SHEET VINYL COVE BASE1
6" = 1'-0"

1 FIRST LEVEL NEW FINISHES PLAN
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.

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 DTO RECEIVE INSTRUCTIONS ON HOW TO PROCEED.

8. ALL ADHESIVES FOR FINISH MATERIALS SHALL HAVE LOW VOC EMISSIONS. CONTRACTOR SHALL PROVIDE DIRECT VENTILATION TO PREVENT VOC'S OUT GASSING FROM ADHESIVES FROM ENTERING THE BUILDING HVAC SYSTEM AND AFFECTING THE OCCUPANTS OF THE BUILDING.

9. CONTRACTOR TO PROVIDE TRANSITIONS BETWEEN FLOORING MATERIALS PER DETAILS ON SHEET A5-90. ALL TRANSITIONS LOCATED UNDER DOORS, TO BE CENTERED UNDER DOOR.

10. DOOR SWING: CONTRACTOR SHALL INSTALL ALL NEW FLOORING SUCH THAT IT DOES NOT INTERFERE WITH EXISTING DOORS AND SUCH A WAY THAT EXISTING DOORS DO NOT TOUCH THE SURFACE OF NEW FLOORING. ANY PROBLEMATIC DOORS SHALL BE BROUGHT TO THE ATTENTION FO THE FACILITIES CONSTRUCTION REPRESENTATIVE PRIOR TO FLOORING PREPARATION.

11. PERFORM CALCIUM CHLORIDE TEST FOR ALL SLAB SUBFLOORS WHERE SLAB IS NEW, OR ALL EXISTING SLAB ON GRADE LOCATIONS. WHERE EXISTING SLAB IS ABOVE GRADE, CONTRACTOR MAY LIMIT TESTING TO AREAS NEAR A SOURCE OF WATER SUCH AS AROUND PLUMBING LINES, SHOWER STALLS, ROOF DRAINS, ETC. WHERE MOISTURE IN THE SLAB EXCEEDS FINISH MATERIAL'S MANUFACTURER'S RECOMMENDATIONS, REFER TO NOTES ABOVE FOR MANUFACTURER'S WARRANTY REQUIREMENTS.

12. CONTRACTOR TO INCLUDE ALLOWANCE FOR CONCRETE SLAB SEALER TO BE FURNISHED AND APPLIED UNDER ALL FLOOR FINISHES ON SLAB ON GRADE.

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. WOOD SAMPLES PROVIDED TO THE COTNRACTOR ARE FOR COLOR ONLY. CONTRACTOR TO SUBMITT SAMPLES FOR ALL WOOD FINISHES FOR APPROVAL AND VERFIY SHEEN OF FINISH FOR ALL LOCATIONS OF STAINED WOOD FINISH. SUBMITTALS SHALL INCLUDE INFORMATION ON THE SPECIES OF WOOD USED. VENEER MATCHING PROPOSED AND CLEAR FINISH PROPOSED OVER THE STAIN.

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

FLAME SPREAD:

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

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LICENSED ARCHITECT
JOSEPH MICHEL SFEIR
No. C28543
REN 1-31-17
STATE OF CALIFORNIA

1	1	OSHPD COMMENTS	01/18/2017
2	2	DESIGN CHANGES	01/18/2017
3	3	OSHPD COMMENTS	04/20/2017
4	4	OSHPD COMMENTS	06/14/2017

REV: DESCRIPTION: DATE:

CONSULTANT

OSHPD APPROVAL STAMP:
OSHPD #: S162581-37-00

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

07/06/2017 10:48:54 AM
#[S162581-37-00]

SHEET TITLE:
1/4" PARTIAL FINISHES FIRST

PROJECT TITLE:
TCMC OBSERVATION ROOM

PROJECT #: 01643.00
DRAWN BY: Author
CHECKED BY: Checker
SCALE: As indicated
DATE: 10/11/16

SHEET NUMBER:
ID-1 (2)

100% CONSTRUCTION DOCUMENTS