# TCMC CYTOLOGY

### TRI-CITY MEDICAL CENTER

4002 VISTA WAY OCEANSIDE, CALIFORNIA 92056

100% CONSTRUCTION DOCUMENTS: 2/17/2017

OSHPD COMMENTS: 6/30/2017

STRUCTURAL:

SUN STRUCTURAL ENGINEERING, INC.

2091 Las Palmas Dr., Ste. D Carlsbad, California 92011 760-438-1188 Fax: 760-438-1188 ARCHITECTURE:

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

1350 Columbia Street, Suite 603 San Diego, CA 92101

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

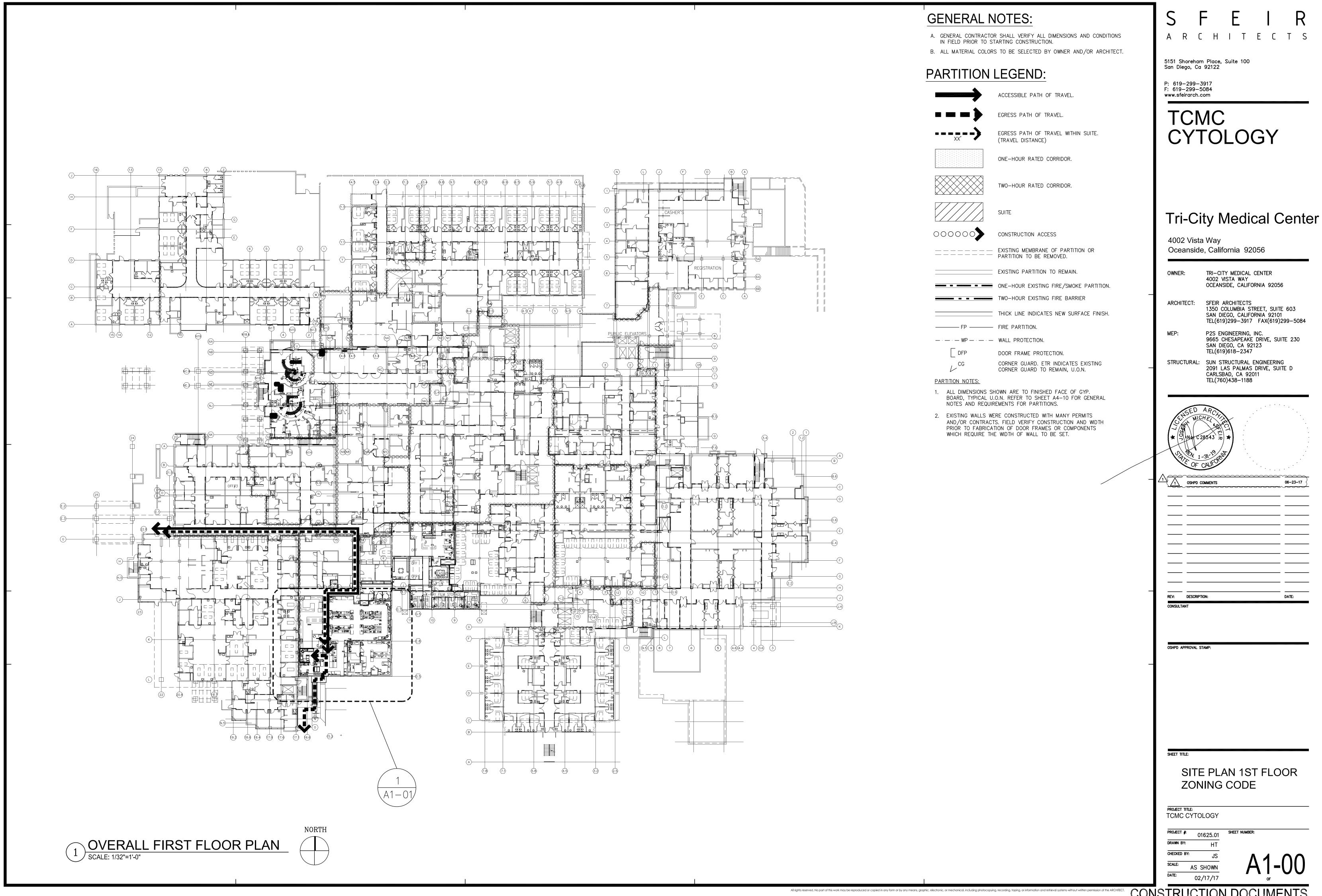
SED ARCHINICHEN NICHEN OF CALK

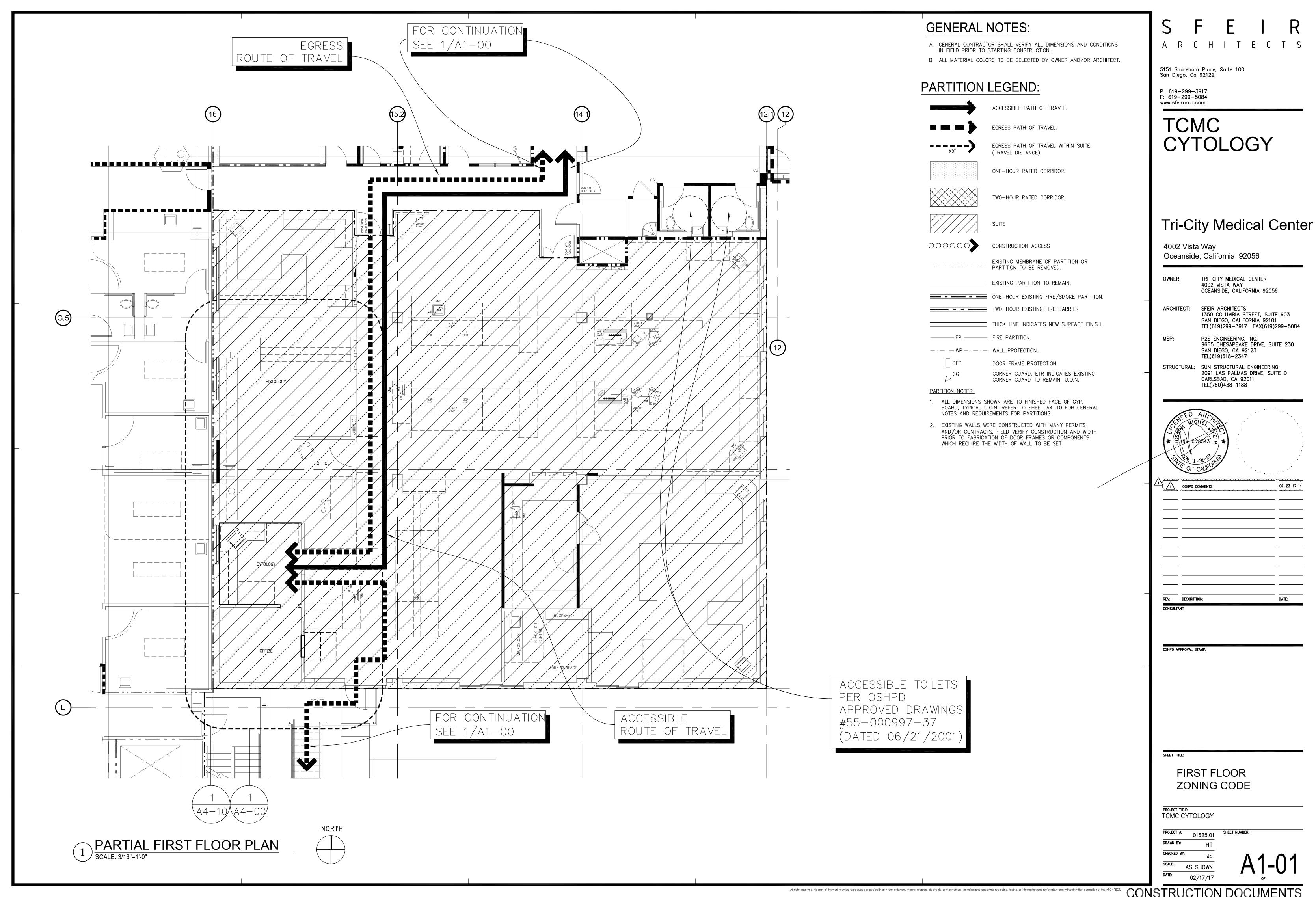
OSHPD PROJECT NUMBER: S170391-37-00 MEP:

P2S

9665 Chesapeake, Suite 230 San Diego, CA 92123 P: 619-618-2347

#### **GENERAL NOTES** INDEX OF DRAWINGS: **ABBREVIATIONS: SEISMIC BRACING** THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CHECKING CONTRACT F A COPY OF THE CHOSEN BRACING SYSTEM(S) INSTALLATION GUIDE/OPM MANUAL SHALL BE 1SEISMIC BRACING - CBC 2013 CHAPTER 16A/ASCE 7-10 HVAC DUCTWORK, ACOUSTICAL CEILING TILE HORIZ HORIZONTAL DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS FOR ACCURACY, AND ON THE JOBSITE PRIOR TO STARTING THE INSTALLATION OF HANGERS AND/OR BRACES. PLUMBING/ PIPING AND CONDUIT SYSTEMS. ARCHITECTS CONFIRMING THAT WORK IS BUILDABLE AS SHOWN BEFORE PROCEEDING WITH ALUM ALUMINUM INSIDE DIAMETER ARCHITECTURAL: IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN COPIES OF OPM AND CONSTRUCTION. IF THERE ARE ANY QUESTIONS REGARDING THESE OR OTHER **ALTERNATE** INSUL INSULATION ALL PIPES, DUCTS AND CONDUIT SHALL BE BRACED TO RESIST THE FORCES PRESCRIBED IN FURNISH THE IOR WITH ONE COPY OF EACH. COORDINATION ISSUES. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ACCESS PANEL INTERIOR 2013 CBC CHAPTER 16A/ASCE 7-10. DUCTWORK SHALL BE CONSTRUCTED IN ACCORDANCE A0-00 PROJECT INFORMATION ARCH OBTAINING A CLARIFICATION FROM THE OWNERS' REPRESENTATIVE BEFORE ARCHITEC1 **JANITOR** F. COMPONENTS OF TWO OR MORE PRE-APPROVED BRACING SYSTEMS SHALL NOT BE MIXED. WITH PROVISIONS CONTAINED IN PART 4, TITLE 24, CALIFORNIA MECHANICAL CODE. WHERE PROCEEDING WITH WORK IN QUESTION OR RELATED WORK. A1-00 SITE - ZONING CODE BOARD LAMINATE POSSIBLE, PIPES, CONDUIT, AND THEIR CONNECTIONS SHALL BE CONSTRUCTED OF DUCTILE 5151 Shoreham Place, Suite 100 a) ONLY ONE PRE-APPROVED BRACING SYSTEM MAY BE USED FOR A RUN OF PIPE, BUILDING LONG LEG HORIZONTAL FIRST FLOOR ZONING CODE MATERIALS (COPPER, DUCTILE IRON, STEEL OR ALUMINUM AND BRAZED, WELDED OR San Diego, Ca 92122 DUCT OR CONDUIT. THE GENERAL CONTRACTOR SHALL INFORM THE OWNERS' REPRESENTATIVE, PRIOR BLK'G BLOCKING LONG LEG VERTICAL SCREWED CONNECTIONS). PIPES, CONDUITS AND THEIR CONNECTIONS, CONSTRUCTED OF 1/4" PARTIAL FIRST DEMOLITION FLOOR PLAN b) ANY SUBSTITUTION OF COMPONENT OF A PRE-APPROVED BRACING SYSTEM SHALL TO CONSTRUCTION, OF ANY CONFLICTS THAT EXIST IN ANY AND ALL MECHANICAL, BEAM LIGHT WFIGHT NONDUCTILE MATERIALS (E.G., CAST IRON, NO-HUB PIPE AND PLASTIC), SHALL HAVE THE BOT **BOTTOM** REQUIRE OSHPD REVIEW AND APPROVAL. TELEPHONE, ELECTRICAL, LIGHTING, PLUMBING AND SPRINKLER EQUIPMENT BRACE SPACING REDUCED TO SATISFY REQUIREMENTS OF ASCE 7-10 MAX MAXIMUM 1/4" PARTIAL FIRST FLOOR PLAN P: 619-299-3917 CAB CABINET MECHANICAL LOCATIONS INCLUDING ALL PIPING, DUCTWORK AND CONDUIT, AND INSURE THAT ALL F: 619-299-5084 CHAPTER 13 AND NOT TO EXCEED ONE-HALF OF THE SPACING ALLOWED FOR DUCTILE REFERENCE: 2013 CAC SECTIONS 7-115, 7-126, 7-153, AND CBC 2013 SECTION 107. A4-20 1/4" PARTIAL FIRST DEMOLITION RCP PLAN CAR CARPET REQUIRED CLEARANCES FOR INSTALLATION AND MAINTENANCE ARE PROVIDED. MIN MINIMUM MATERIALS. www.sfeirarch.com CEM CEMENT MISCELLANEOUS 1/4" PARTIAL FIRST RCP PLAN THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL WORK CERAMIC TILE NOT IN CONTRACT REQUIREMENTS FOR ACCESSIBILITY SEISMIC SUPPORTS ARE NOT REUIRED FOR HVAC DUCTWORK WITH I = 1.5 IF A4-40 1/4" INTERIOR ELEVATIONS AND MATERIALS IN ACCORDANCE WITH ALL CODES AND REQUIREMENTS OF STATE CLG CEILING NUMBER EITHER OF THE FOLLOWING CONDITIONS IS MET FOR THE FULL LENGTH OF EACH TCMC CLR CLEAR NOT TO SCALE AND LOCAL REGULATORY AGENCIES. 1/8" PARTIAL DEMOLITION ROOF PLAN CTR NOT RATED COUNTER IN ADDITION TO ALL LOCAL REQUIREMENTS AND THE AMERICANS WITH DISABILITIES A5-31 1/8" PARTIAL ROOF PLAN ACT (ADA), ACCESSIBLE FEATURES SHALL COMPLY WITH THE STATE OF CALIFORNIA ALL WORK NOT SPECIFICALLY COVERED IN THE CONTRACT DOCUMENTS SHALL BE COLUMN ON CENTER A. TRAPEZE ASSEMBLIES ARE USED TO SUPPORT DUCTWORK AND THE TOTAL COL FURNISHED AND INSTALLED IN ACCORDANCE WITH CONSTRUCTION INDUSTRY **CYTOLOGY** CONSTR CONSTRUCTION ADMINISTRATIVE CODE OF REGULATIONS, BUILDING CODE, TITLE 24, PART 2. OUTSIDE DIAMETER WEIGHT FOR THE DUCTWORK SUPPORTED BY TRAPEZE ASSEMBLIES IS A5-70 LAY-IN CEILING DETAILS CONT CONTINUOUS OPNG OPENING LESS THAN 10 LB/FT OR A5-80 MILLWORK DETAILS DURING ALL HOURS THE BUILDING IS OPEN TO THE PUBLIC. ALL PRIMARY ENTRANCES CORR CORRIDOR OPPOSITE PLATE/PROPERTY LINE DRAWINGS, THOUGH NOTED TO SCALE, ARE DIAGRAMMATICAL. DO NOT SCALE A6-20 EQUIPMENT PLAN AND SCHEDULE DOUBLE B. THE DUCTWORK IS SUPPORTED BY HANGERS AND EACH HANGER IN THE TO THE BUILDING. THE PRIMARY PATH OF TRAVEL FROM THE ENTRANCES TO ALL DEPT DUCT RUN IS 12" OR LESS IN LENGTH FORM THE DUCT SUPPORT POINT TO DEPARTMENT DRAWINGS. PLASTIC LAMINATE PORTIONS OF THE BUILDING INCLUDING SANITARY FACILITIES, DRINKING FOUNTAINS DRINKING FOUNTAIN PLWD PLYWOOD THE SUPPORTING STRUCTURE. WHERE ROD HANGERS ARE USED WITH A AND PUBLIC TELEPHONES SERVING THE BUILDING MUST BE ACCESSIBLE TO THE ALL HEIGHTS ARE DIMENSIONED FROM TOP OF SLAB UNLESS OTHERWISE NOTED. DIAMETER GREATER THAN 3/8", THEY SHALL BE EQUIPPED WITH SWIVELS DIAMFTER POLISHED DIM DIMENSION TO PREVENT INELASTIC BENDING IN THE ROD. **INTERIOR FINISHES** DISP PRESSURE TREATED THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR DOCUMENTING ALL DISPENSE ALL BUILDING ENTRANCES SHALL BE IDENTIFIED WITH AT LEAST ONE STANDARD SIGN DOWN PAINTED WHERE PROVISIONS ARE MADE TO AVOID IMPACT WITH LARGER DUCTS OR CHANGES TO THE CONSTRUCTION DOCUMENTS, NO MATTER HOW MINOR, FOR AS-AND WITH ADDITIONAL DIRECTIONAL SIGNS, AS REQUIRED, TO BE VISIBLE TO FINISHES FLOOR PLAN LEGEND AND GENERAL NOTES DRAIN QUANTITY BUILT RECORD DOCUMENTS. THESE DOCUMENTS ARE TO BE GIVEN TO THE MECHANICAL COMPONENTS ROT O PROTECT THE DUCTS IN THE EVENT OF PERSONS ALONG APPROACHING PEDESTRIAN WAYS. ID-2 FINISH NOTES AND DETAILS DET DETAIL RADIUS SUCH, AND HVAC DUCTS HAVE A CROSS-SECTION AREA OF 6 FT2 OR LESS, OWNERS' REPRESENTATIVE WITHIN 2 WEEKS AFTER FINAL COMPLETION. DWG DRAWING ROOF DRAIN OR WEIGH 10 LB/FT OR LESS. HAND-ACTIVATED DOOR OPENING HARDWARE SHALL BE CENTERED BETWEEN 34 THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL DWR DRAWER REFERENCE INCHES AND 44 INCHES ABOVE THE FLOOR. LATCHING AND LOCKING DOORS THAT UTILITIES INDICATED ON THE INTERIOR ELEVATIONS WITH THE ELECTRICAL AND REINFORCING ARE HAND-ACTIVATED AND WHICH ARE IN A PATH OF TRAVEL SHALL BE OPERABLE HVAC DUCT SYSTEMS FABRICATED AND INSTALLED IN ACCORDANCE WITH STANDARDS **EXPANSION JOIN** ROOM WITH A SINGLE EFFORT BY LEVER-TYPE HARDWARE, PANIC BARS, PUSH-PULL PLUMBING SUBCONTRACTORS. Tri-City Medical Center APPROVED BY THE AUTHORITY HAVING JURISDICTION SHALL BE DEEMED TO MEET THE ELECT ELECTRICAL ROUGH OPENING ACTIVATING BARS OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT STRUCTURAL: LATERAL BRACING REQUIREMENTS OF THIS SECTIONS. **ENCLOSURE** IN THE CASE OF CONFLICTS OR AMBIGUITIES NOT CLARIFIED PRIOR TO THE BIDDING ENCL RUBBFR REQUIRING THE ABILITY TO GRASP THE OPENING HARDWARE. LOCKED EXIT DOORS EQUAL SOLID CORE DEADLINE, USE THE MOST COSTLY ALTERNATIVE (BETTER QUALITY, GREATER SHALL OPERATE AS ABOVE IN EGRESS DIRECTION. (CBC SECTION 11B-404.2.7) GENERAL NOTES, TYPICAL DETAILS COMPONENTS THAT ARE INSTALED IN-LINE WITH THE DUCT SYSTEM AND HAVE AN OPERATING FACH WAY SCHED SCHEDULE QUANTITY AND LARGER SIZE) IN PREPARING THE BID. A CLARIFICATION WILL BE PARTIAL FIRST FLOOR AND ROOF PLAN S-2 4002 Vista Way WEIGHT GREATER THAN 75 LB. (334N), SUCH AS FANS, HEAT EXCHANGERS, AND HUMIDIFIERS, ELECT WATER COOLER ISSUED TO THE SUCCESSFUL BIDDER AS SOON AS FEASIBLE AFTER THE AWARD AND. SHOWER MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED 5 POUNDS FOR EXTERIOR SHALL BE SUPPORTED AND LATERALLY BRACED INDEPENDENT OF THE DUCT SYSTEM AND SD1 DETAILS FXISTING SHEET DOORS AND 5 POUNDS FOR INTERIOR DOORS, SUCH PULL OR PUSH EFFORT BEING IF APPROPRIATE, A DEDUCTIVE CHANGE ORDER WILL BE ISSUED. EXG Oceanside, California 92056 SUCH BRACES SHALL MEET THE FORCE REQUIREMENTS OF SECTION CBC CH. 16A. ETR EXISTING TO REMAIN APPLIED AT RIGHT ANGLES TO HINGED DOORS AND AT THE CENTER PLANE OF SD2 DETAILS APPURTENANCES FXT SHEET METAL SCREW **FXTFRIOR** SMS ALL PENETRATIONS THROUGH FIRE RESISTIVE PARTITION AND SLAB, INCLUDING SLIDING OR FOLDING DOORS. COMPENSATING DEVICES OR AUTOMATIC DOOR SUCH AS DAMPERS, LOUVERS, AND DIFFUSERS SHALL BE POSITIVELY ATTACHED WITH CONDUITS AND PIPING, SHALL BE CONSTRUCTED TO MEET APPROVED U.L. SYSTEM. FLOOR DRAIN SPEC **SPECIFICATIONS** OPERATORS MAY BE UTILIZED TO MEET THE ABOVE STANDARDS. WHEN FIRE DOORS MECHANICAL FASTENERS. UNBRACED PIPING ATTACHED TO IN-LINE EQUIPMENT SHALL BE FIRE EXTINGUISHER CAB. SQUARE ARE REQUIRED, THE MAXIMUM EFFORT TO OPERATE THE DOOR MAY BE INCREASED TRI-CITY MEDICAL CENTER PROVIDED WITH ADEQUATE FLEXIBILITY TO ACCOMMODATE DIFFERENTIAL DISPLACEMENTS. FIRE HOSE CABINET ST STL STAINLESS STEEL ALL PENETRATIONS INTO SOUND RATED PARTITIONS, INSULATED PARTITIONS OR TO THE MINIMUM ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY, 4002 VISTA WAY CEILING ASSEMBLIES SHALL BE SEALED WITH APPROVED PERMANENT RESILIENT FIN **FINISH** STD **STANDARD** NOT TO EXCEED 15 POUNDS. (CBC SECTION 11B-404.2.9) MECHANICAL: PIPING SYSTEMS SHALL SATISFY THE REQUIREMENTS OF THIS SECTION EXCEPT THAT OCEANSIDE, CALIFORNIA 92056 FIXT FIXTURE STOR STORAGE SEALANT. OR OTHERWISE TREATED TO MAINTAIN INTEGRITY OF THE ACOUSTICAL FIR ELEVATOR SYSTEM PIPING SHALL SATISFY THE REQUIREMENTS OF SECTION CBC 1616A.1.26. **FLOOR** STEEL THE BOTTOM 10 INCHES OF ALL DOORS EXCEPT AUTOMATIC AND SLIDING SHALL ASSEMBLY. M1-00 GENERAL NOTES, LEGEND AND SHEET INDEX FFFT STRUCT STRUCTURE HAVE A SMOOTH. UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY EXCEPT FOR PIPING DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH NFPA 13, SEISMIC M1-10 SCHEDULES **FURRING** SUSP SUSPENDED CONTRACTOR TO PREVENT GALVANIC ACTION AND OTHER FORMS OF CORROSION ARCHITECT: SFEIR ARCHITECTS A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION. SUPPORTS SHALL NOT BE REQUIRED FOR OTHER PIPING SYSTEMS WHERE ONE OF THE FIELD VERIFY TELE TELEPHONE WHERE NARROW FRAME DOORS ARE USED, A 10-INCH HIGH SMOOTH PANEL SHALL BE BY INSULATING METALS AND OTHER MATERIALS FROM DIRECT CONTACT WITH 1350 COLUMBIA STREET, SUITE 603 M3-00 DEMOLITION AND RENOVATION FLOOR PLANS **TEMPORARY** FOLLOWING CONDITIONS IS MET: GAUGE INCOMPATIBLE MATERIALS. SAN DIEGO, CALIFORNIA 92101 INSTALLED ON THE PUSH SIDE OF THE DOOR, WHICH WILL ALLOW THE DOOR TO BE 1 M4-00 DEMOLITION AND RENOVATION ROOF PLANS GALV GAI VANI7FD THK TEL(619)299-3917 FAX(619)299-5084 THICK OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS PIPING IS SUPPORTED BY ROD HANGERS: HANGERS IN THE PIPE RUN ARE 12 IN. GRAB BAR ( M4-10 RENOVATION ROOF PLAN **TYPICAL** THE CONTRACTOR SHALL PERFORM ALL CUTTING, PATCHING, AND FINISHING CONDITION. (CBC SECTION 11B-404.2.10) (305 MM) OR LESS IN LENGTH FROM THE TOP OF THE PIPE TO THE SUPPORTING UNLESS OTHERWISE NOTED GLASS UON NECESSARY TO RESTORE THE ORIGINAL CONDITION OF THE BUILDING TO ALL M5-00 DETAILS STRUCTURE: HANGERS ARE DETAILED TO P2S ENGINEERING, INC. EXISTING PORTIONS OF THE BUILDING AFFECTED BY HIS WORK, TO THE GYPSUM VINYL COMPOSITE TILE FOR HINGED DOORS, THE OPENING WIDTH SHALL BE MEASURED WITH THE DOOR AVOID BENDING OF THE HANGERS AND THEIR ATTACHMENTS; AND PROVISIONS 9665 CHESAPEAKE DRIVE, SUITE 230 M5-01 DETAILS HDR HEADER VERT VERTICAL POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION. AT LEAST SATISFACTION OF THE OWNER'S REPRESENTATIVE. ARE MADE FOR PIPING TO ACCOMMODATE EXPECTED DEFLECTIONS. SAN DIEGO, CA 92123 HDWD HARDWOOD VEST **VESTIBULE** ONE OF A PAIR OF DOORS SHALL MEET THIS OPENING WIDTH REQUIREMENT. (CBC TEL(619)618-2347 HDWR HARDWARE WITH WHEN INSTALLING DRILLED-IN ANCHORS AND OR POWDER DRIVEN PINS IN EXISTING SECTION 11B-404.2.2 & 11B-404.2.3) 2. HIGH-DEFORMABILITY PIPING IS USED; PROVISIONS ARE MADE TO AVOID IMPACT HGT HEIGHT WOOD NON-PRESTRESSED REINFORCED CONCRETE, USE CARE AND CAUTION TO AVOID WITH LARGER PIPING OR MECHANICAL COMPONENTS OR TO PROTECT THE PIPING STRUCTURAL: SUN STRUCTURAL ENGINEERING WITHOUT MANUALLY OPERATED EDGE OR SURFACE MOUNTED FLUSH BOLTS ARE NOT CUTTING OR DAMAGING THE EXISTING REINFORCING STEEL. MAINTAIN A MINIMUM IN THE EVENT OF SUCH IMPACT; AND THE FOLLOWING SIZE REQUIREMENTS ARE 2091 LAS PALMAS DRIVE, SUITE D WEIGHT CLEARANCE OF ONE INCH BETWEEN THE REINFORCEMENT STEEL AND THE DRILLED-ALLOWED. WHEN EXIT DOORS ARE USED IN PAIRS AND APPROVED FLUSH BOLTS ARE SATISFIED: CARLSBAD, CA 92011 P1-00 GENERAL NOTES, LEGEND AND SHEET INDEX IN ANCHOR AND OR PIN. USED, THE DOOR LEAF HAVING THE AUTOMATIC FLUSH BOLTS SHALL HAVE NO DOOR FOR SEISMIC DESIGN CATEGORIES D, E, OR F WHERE IP IS GREATER KNOB OR SURFACE-MOUNTED HARDWARE. THE UNLATCHING OF ANY LEAF SHALL NOT TEL(760)438-1188 SCHEDULES AND CALCULATIONS INTERIM LIFE SAFETY MEASURES THAN 1.0, THE NOMINAL PIPE SIZE SHALL BE 1 IN. (25 MM) OR LESS. THE CONTRACTOR SHALL COORDINATE ALL PHASING, ACCESS, DEBRIS, STAGING REQUIRE MORE THAN ONE OPERATION. DEMOLITION AND RENOVATION FLOOR PLANS AREAS, AND HOURS OF CONSTRUCTION WITH OWNERS PRIOR TO START OF FOR SEISMIC DESIGN CATEGORIES D,E, OR F WHERE IP IS EQUAL TO 1.0, DETAILS THERE SHALL BE A LEVEL AND CLEAR FLOOR OR LANDING ON EACH SIDE OF A DOOR. CONSTRUCTION. P5-00 1. ALL EXIT DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT USE OF A KEY OR THE NOMINAL PIPE SIZE SHALL BE 3 IN. (76 MM) OR LESS. THE LEVEL AREA SHALL HAVE A LENGTH IN THE DIRECTION OF DOOR SWING OF A ANY SPECIAL KNOWLEDGE OR EFFORT. CONTRACTOR TO PROVIDE REQUIRED DUST AND INFECTION CONTROL PROTECTION LEAST 60 INCHES AND THE LENGTH OPPOSITE THE DIRECTION OF THE DOOR SWING PANIC HARDWARE AT EXITS SHALL BE PROVIDED AS REQUIRED BY THE CODE. WHERE LATERAL RESTRAINTS ARE OMITTED, THE PIPING, DUCTS OR CONDUIT SHALL BE OF 48 INCHES AS MEASURED AT RIGHT ANGLES TO THE PLANE OF THE DOOR IN ITS SYSTEM. MEANS AND METHODS TO BE COORDINATED WITH OWNER. INSTALLED SUCH THAT LATERAL MOTION OF THE PIPING OR DUCT WILL NOT CAUSE DAMAGING PRIOR TO THE START OF WORK CONSULT WITH FIELD FIRE MARSHAL ON AN CLOSED POSITION. IMPACT WITH OTHER SYSTEMS OR STRUCTURAL MEMBERS, OR LOSS OF VERTICAL SUPPORT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SECURITY OF THE AREA OF THE ACCEPTABLE EXITING ARRANGEMENT. A FIRE WATCH MAY BE REQUIRED AT THE PROJECT WORK AND SHALL ALSO BE RESPONSIBLE FOR THE DISCIPLINE OF ALL ELECTRICAL: DISCRETION OF THE FIRE MARSHAL THE WIDTH OF THE LEVEL AREA ON THE SIDE TO WHICH THE DOOR SWINGS SHALL ALL TRAPEZE ASSEMBLIES SUPPORTING PIPES, DUCTS AND CONDUIT SHALL BE BRACED TO CONSTRUCTION WORKERS ON THE PROJECT. EXTEND 24 INCHES PAST THE STRIKE EDGE OF THE DOOR FOR EXTERIOR DOORS AND S No. 028543 3 RESIST THE FORCES OF CHAPTER 16A/ASCE 7, CONSIDERING THE TOTAL WEIGHT OF THE INTERIM LIFE SAFETY MEASURES ARE REQUIRED TO TEMPORARILY COMPENSATE FOR E1-00 GENERAL NOTES, LEGEND AND ABBREVIATIONS 18 INCHES PAST THE STRIKE EDGE FOR INTERIOR DOORS. THE WIDTH OF THE AREA THE DEFICIENCIES IN NORMAL LIFE SAFETY REQUIREMENTS DUE TO THE ACTIVITIES. ELEMENTS ON THE TRAPEZE. THE GENERAL CONTRACTOR SHALL COORDINATE WITH STRUCTURAL, MEP, FIRE ON THE SIDE OPPOSITE THE SWING SHALL EXTEND 12 INCHES PAST THE STRIKE DIAGRAMS AND SCHEDULES E1-01 ALARM, FIRE PROTECTION, NURSE CALL, INTERIORS AND EQUIPMENT DRAWINGS EDGE OF THE DOOR WHEN THE DOOR IS EQUIPPED WITH BOTH A CLOSER AND A ENSURE THAT THE EXITS PROVIDE FREE AND UNOBSTRUCTED EGRESS. PERSONNEL PIPES, DUCTS AND CONDUIT SUPPORTED BY A TRAPEZE WHERE NONE OF THOSE ELEMENTS E2-00 OVERALL FLOOR PLAN PRIOR TO STARTING CONSTRUCTION. THE PROJECT MANUAL AND ALL DRAWINGS IN SHALL RECEIVE TRAINING IF ALTERNATE EXITS MUST BE DESIGNATED. AREAS UNDER WOULD INDIVIDUALLY BE BRACED NEED NOT BE BRACED IF CONNECTIONS TO THE E3-00 DEMOLITION POWER AND LIGHTING PLANS THE CONSTRUCTION DRAWINGS SHALL BE PART OF THE CONSTRUCTION CONSTRUCTION MUST MAINTAIN ESCAPE FACILITIES FOR CONSTRUCTION WORKERS AT ABRUPT CHANGES IN LEVEL ALONG ANY ACCESSIBLE ROUTE SHALL NOT EXCEED 1/ E3-10 RENOVATION POWER AND LIGHTING PLANS ALL TIMES. MEANS OF EGRESS MUST BE INSPECTED DAILY. THE TRAPEZE. IF THIS FLEXIBILITY IS NOT PROVIDED, BRACING WILL BE REQUIRED WHEN THE INCH. WHEN CHANGES IN LEVEL DO OCCUR, THEY SHALL BE BEVELED WITH A SLOPE E4-00 DEMOLITION ROOF PLAN AGGREGATE WEIGHT OF THE GENERAL CONTRACTOR SHALL SEPARATE DISSIMILAR METALS WITH BUILDING NO GREATER THAN 1:2 EXCEPT THAT LEVEL CHANGES NOT EXCEEDING 1/4 INCH MAY ENSURE THAT FIRE ALARM, DETECTION & SUPPRESSION SYSTEMS ARE NOT IMPAIRED. OSHPD COMMENTS THE PIPES AND CONDUIT EXCEEDS 10 POUNDS/ FEET (146 N/m). THE WEIGHT SHALL BE £ E4-10 RENOVATION ROOF PLAN PAPER OR PLASTIC SHIM. BE VERTICAL. WHEN CHANGES IN LEVELS GREATER THAN 1/2 INCH ARE NECESSARY DETERMINED ASSUMING ALL PIPES AND CONDUIT ARE FILLED WITH WATER. ENSURE THAT TEMPORARY CONSTRUCTION PARTITIONS ARE SMOKE TIGHT AND THEY SHALL COMPLY WITH THE REQUIREMENTS E5-01 DETAILS CONSTRUCTED OF NON-COMBUSTIBLE MATERIALS. THE GENERAL CONTRACTOR SHALL X-RAY AND/OR ULTRASOUND THE EXISTING EQUIPMENT SUPPORTS AND ATTACHMENTS CONCRETE FLOORS AND STRUCTURAL SLAB ABOVE ANY POSSIBLE EMBEDDED FOR RAMPS. MINIMUM WIDTH SHALL BE 48". . PROVIDE ADDITIONAL FIRE FIGHTING EQUIPMENT AND TRAIN PERSONNEL IN ITS USE. CONDUITS. STRUCTURAL REBAR UNFORESEEN CONDITION THAT IS OUTSIDE THE SUPPORTS AND ATTACHMENTS OF ALL EQUIPMENT TO BE INSTALLED AS PART OF THIS PROJECT SCOPE OF WORK AND MIGHT IMPEDE THE ANCHORING OF EQUIPMENT OR CONFLICT SIDE REACH MOUNTING HEIGHTS: IF THE CLEAR FLOOR SPACE ALLOWS PARALLEL SHALL BE DETAILED ON CONSTRUCTION DOCUMENTS, EXCEPT THOSE EXEMPT BY THE 2013 CBC APPROACH BY A PERSON IN A WHEELCHAIR, THE MAXIMUM HEIGHT FOR HIGH SIDE WITH TRENCHING PRIOR TO CONSTRUCTION. SYMBOL LEGEND: SECTION 1616A.1.18 REACH SHALL BE 44 INCHES AND THE LOW SIDE REACH SHALL BE 15 INCHES ABOVE CONTRACTOR STAGING TO BE IN THE ROOMS UNDER REMODEL. THE FINISHED FLOOR. EQUIPMENT SUPPORTS AND ATTACHMENTS SHALL BE APPROVED BY THE APPROPRIATE DESIGN PROFESSIONAL OF RECORD (RDP) AND OSHPD AS PART OF FIELD REVIEWS/OBSERVATIONS. THE FORWARD REACH MOUNTING HEIGHTS: IF THE CLEAR SPACE ONLY ALLOWS CONTRACTOR PARKING TO BE IN CONTRACTOR DESIGNATED PARKING AREA. INSPECTOR OR RECORD (IOR) SHALL ASSURE THAT THE ABOVE REQUIREMENTS ARE ENFORCED. FORWARD APPROACH BY A PERSON IN A WHEELCHAIR. THE MAXIMUM HEIGHT FOR SHEET NUMBER THE CONTRACTOR SHALL ENSURE THAT THE AREA UNDER REMODEL IS LOCKED AND HIGH SIDE REACH SHALL BE 48 INCHES AND THE LOW SIDE REACH SHALL BE 15 REFERENCE: 2013 CBC SECTIONS 107 AND 1616A. OTHERWISE SECURED AFTER HOURS. INCHES ABOVE THE FINISHED FLOOR. TRUE THE GENERAL CONTRACTOR IS RESPONSIBLE TO CUT & PATCH TO MATCH ALL DOORS LEADING TO MEN'S SANITARY FACILITIES SHALL BE IDENTIFIED BY AN NORTH NORTH SEISMICALLY RESTRAIN ALL SUSPENDED UTILITY SYSTEMS IN CONFORMANCE WITH EXISTING PARTITIONS WHERE NEW FIRE ALARM AND ELECTRICAL DEVICES ARE EQUILATERAL TRIANGLE 1/4" THICK, WITH EDGES 12" LONG AND A VERTEX POINTING REQUIREMENTS OF THE 2013 CALIFORNIA BUILDING CODE, CHAPTER 16A/ASCE 7-10. AS THE REQUIRED AS SPECIFIED IN THE FIRE ALARM DRAWINGS. UPWARD. WOMEN'S SANITARY FACILITIES SHALL BE IDENTIFIED BY A CIRCLE 1/4" BASIS FOR THE RESTRAINT REQUIREMENTS, CALCULATE AND SUBMIT TOTAL DESIGN LATERAL THICK AND 12" IN DIAMETER. **NORTH ARROW** FORCE(S) SPECIFIC TO THE PROJECT PER OSHPD REQUIREMENTS OF THE CBC AND ASCE 7-10 CONTRACTOR TO INCLUDE AN ALLOWANCE TO FURNISH AND APPLY CRETESEAL 2000 UNISEX SANITARY FACILITIES SHALL BE IDENTIFIED BY A CIRCLE 1/4" THICK. 12" CONCRETE SEALER OR APPROVED EQUAL ON SLAB ON GRADE. SECTION 13.5.6. REV: DESCRIPTION: DIAMETER, WITH A 1/4" THICK TRIANGLE SUPERIMPOSED ON THE CIRCLE AND WITHIN TYPICAL PRE-APPROVED SYSTEMS INCLUDED THE FOLLOWING: **DEFERRED APPROVALS** THE 12" DIAMETER. PROJECT INFORMATION: OPM-0043-13 MASON INDUSTRIES, INC. SEISMIC RESTRAINT GUIDELINES +100.00 **ELEVATION** FOR SUSPENDED DISTRIBUTION SYSTEMS. 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 REFERENCE: 2013 CAC SECTIONS 7-115, 7-126, AND CBC 2013 SECTION 107. BE DISTINCTLY DIFFERENT FROM THE COLOR AND CONTRAST OF THE DOOR. SCOPE OF WORK: LAYOUT DRAWINGS OF THE SUPPORTS AND BRACING SYSTEMS IN ACCORDANCE WITH THE +100.00 FIRE ALARM ADDITIONAL SIGNAGE REQUIREMENTS: RAISED LETTERS SHALL BE PROVIDED AND - RENOVATION OF CYTOLOGY LAB RUU. **ELEVATION IN PLAN** PRE-APPROVAL SHALL BE SUBMITTED TO THE REGISTERED DESIGN PROFESSIONAL (RDP) IN FIRE SPRINKLER SHALL BE ACCOMPANIED BY BRAILLE IN CONFORMANCE WITH SECTION 11B-703. THEY OSHPD APPROVAL STAMP: RESPONSIBLE CHARGE OF THE PROJECT FOR REVIEW TO VERIFY THAT THE DETAILS ARE IN SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH OUTSIDE OF THE DOOR. CONFORMANCE WITH ALL CODE REQUIREMENTS. THE LAYOUT DRAWINGS SHALL AS A MINIMUM WHERE THERE IS NO WALL SPACE ON THE LATCH SIDE, INCLUDING DOUBLE LEAF SATISFY THE REQUIREMENTS OF ASCE SECTION 13.6 AS MODIFIED BY THE CBC 2013 SECTION **BUILDING DESCRIPTION:** WINDOW/FRAME NUMBER DOORS, SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL AND SIGNS SHALL BE MOUNTED 48? MINIMUM ABOVE FINISH FLOOR, MEASURED FROM THE NUMBER OF STORIES: 1 STORIES + BASEMENT BASELINE OF THE LOWEST LINE OF BRAILLE AND 60? MAXIMUM ABOVE THE FINISH a) THE STRUCTURAL ENGINEER OF RECORD (SEOR) SHALL VERIFY THAT THE SUPPORTING FLOOR, MEASURED FROM THE BASELINE OF THE HIGHEST LINE OF RAISED STRUCTURE IS ADEQUATE FOR THE LOADS IMPÓSED ON IT BY THE SUPPORTS AND **OSHPD INTENT STATEMENT** BUILDING CONSTRUCTION TYPE: IA SPRINKLERED DRAWING KEYNOTE CHARACTERS. CBC 11B-703.4.1 BRACES INSTALLED IN ACCORDANCE WITH THE PRE- APPROVAL IN ADDITION TO ALL OCCUPANCY TYPE: GROUP I-2 **VICINITY MAP:** 054 **EQUIPMENT NUMBER** (NO CHANGE IN EXISTING OCCUPANT LOAD) THE INTENT OF THE DRAWINGS AND SPECIFICATIONS IS TO BUILD IN ACCORDANCE b) THE SEOR SHALL FORWARD THE ANCHORAGE AND BRACING DRAWINGS (INCLUDING WITH THE 2013 EDITION OF TITLES 24 & 19 OF THE CALIFORNIA CODE OF APPROVED CHANGE ORDERS FOR SUPPLEMENTARY FRAMING WHERE REQUIRED) TO REGULATIONS. SHOULD ANY CONDITION OCCUR NOT COVERED BY THE CONTRACT THE DISCIPLINE IN RESPONSIBLE CHARGE WITH A NOTATION INDICATING THAT THE OCEANSIDE\ DRAWINGS HAVE BEEN REVIEWED AND ARE IN GENERAL CONFORMANCE WITH THE CONSTRUCTION CLASSIFICATION: DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH SAID CODES, A WALL TYPE CHANGE ORDER DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE PRE-APPROVAL AND THE DESIGN OF THE PROJECT. SUBMITTED TO AND APPROVED BY OSHPD PRIOR TO PROCEEDING WITH THE WORK. SEISMIC ZONE 4 c) A "SHOP DRAWING STAMP" MAY BE USED TO INDICATE COMPLIANCE WITH THIS REQUIREMENT. **ESCONDIDO** (PER TABLE 601 OF CBC) **TOILET ACCESSORY** FIRE RESISTANCE REQUIREMENTS d) THE REGISTERED DESIGN PROFESSIONAL (OTHER THAN SEOR) MAY PROVIDE SHOP DRAWING STAMP FOR SMALL PROJECTS AT THE DISCRETION OF THE DISTRICT ROOF: 1 1/2 HR STRUCTURAL ENGINEER. 4002 VISTA WAY (INCLUDING ASSOCIATED SECONDARY MEMBERS) **PROJECT** OCEANSIDE, CA 92056 APPLICABLE CODES AND REGULATIONS: DETAIL IN PLAN THE SEOR SHALL DESIGN ANY SUPPLEMENTARY FRAMING THAT IS NEEDED TO STRUCTURAL FRAME: 3 HR RESIST THE LOADS, MAINTAIN STABILITY AND/OR IS REQUIRED FOR INSTALLATION FLOOR: 2 HR INFORMATION OF THE PRE-APPROVED SYSTEM. 2016 CALIFORNIA ADMINISTRATIVE CODE (CAC) (PART 1, TITLE 24, CCR) a) THE SUPPLEMENTARY FRAMING SHALL BE SUBMITTED TO OSHPD AS A CHANGE CALIFORNIA BUILDING CODE (CBC) (PART 2, TITLE 24, CCR) DETAIL IN SECTION THE LAYOUT DRAWINGS (WITH THE SHOP DRAWING STAMP) SHALL BE SUBMITTED POWAY OSHPD APPROVAL: BASED ON THE 2012 INTERNATIONAL BUILDING CODE (IBC) PROJECT TITLE: TO OSHPD TO REVIEW: TCMC CYTOLOGY STRUCTURE SUPPORTING THE DISTRIBUTION SYSTEM HAS ADEQUATE CAPACITY CALIFORNIA ELECTRICAL CODE (CEC) (PART 3, TITLE 24, CCR) SEISMIC DESIGN FORCES (FP) ARE IN ACCORDANCE WITH CBC 2013, AND BASED ON THE 2011 NATIONAL ELECTRICAL CODE (NEC) **BUILDING SECTION** VERIFY THAT SUBMITTAL IS WITHIN THE SCOPE OF OSHPD PRE-APPROVAL OF: 01625.01 CALIFORNIA MECHANICAL CODE (CMC) (PART 4, TITLE 24, CCR) MANUFACTURER'S CERTIFICATION (OPM): HT BASED ON THE 2012 UNIFORM MECHANICAL CODE (UMC) SIZE OF DISTRIBUTION SYSTEM COMPONENTS. SPACING OF BRACING AND FLEX JOINTS, AND CHECKED BY: CALIFORNIA PLUMBING CODE (CPC) (PART 5, TITLE 24, CCR) SUBSTRATE FOR ATTACHMENTS. WALL SECTION BASED ON THE 2012 UNIFORM PLUMBING CODE (UPC) THE LAYOUT DRAWINGS (WITH THE SHOP DRAWINGS STAMP) SHALL BE KEPT ON THE JOBSITE AS SHOWN AND CAN THEM BE USED FOR INSTALLATION OF THE SUPPORT AND BRACING. CALIFORNIA FIRE CODE (CFC) (PART 9, TITLE 24, CCR) 02/17/17 a) OSHPD FIELD STAFF WILL REVIEW THE INSTALLATION. BASED ON THE 2012 INTERNATIONAL FIRE CODE (IFC) CONSTRUCTION DOCUMENTS I rights reserved. No part of this work may be reproduced or copied in any form or by any means, graphic, electronic, or mechanical, including photocopying, recording, taping, or information and retrieval systems without written permission of the ARCHITE





# HISTOLOGY 1321 \_ \_ \_ \_ \_ \_ \_ \_ **OFFICE** 1315 \_ \_ \_ \_ \_ \_ \_ \_ **OFFICE** STAIR NORTH PARTIAL FIRST DEMO FLOOR PLAN

#### **DEMOLITION KEYNOTES:**

- (1) REMOVE UPPER AND LOWER CABINETS.
- (2) REMOVE EXISTING SINK.
- (3) REMOVE EXISTING BIOSAFETY CABINET.
- (4) REMOVE EXISTING FUME HOOD.
- (5) REMOVE WINDOW FRAME. (6) REMOVE EXISTING DOOR AND DOOR FRAME.
- (7) REMOVE EXISTING CENTRIFUGE AND SALVAGE AND TURN IT TO
- (8) REMOVE EXISTING FIRE RATED CABINET.
- 9) SEAL EXISTING OPENING WITH FIRE RESISTIVE CORRUGATED BOARD- Coroplast®Firewall FRB Class 94V-2.TEMPORARY EXITING PROVISIONS SHALL MEET THE REQUIREMENTS OF OSHPD CAN 9-3301 AND THAT CONSTRUCTION/INFECTION CONTROL BARRIER PLACEMENT SHALL BE COORDINATED WITH OSHPD FIELD
- (10) PROVIDE TWO ZIPPER CURTAINS FIRE RESISTANT VISQUEEN. TEMPORARY EXITING PROVISIONS SHALL MEET THE REQUIREMENTS OF OSHPD CAN 9-3301 AND THAT CONSTRUCTION/INFECTION CONTROL BARRIER PLACEMENT SHALL BE COORDINATED WITH OSHPD FIELD FLSO.
- (11) PROTECT EXISTING FLOOR FINISH.
- (12) REMOVE GWB. 13) BUILD AN ACCESS WITHIN THE INFECTION CONTROLL BARRIER TO ACCESS OFFICE 1315. TEMPORARY EXITING PROVISIONS SHALL MEET THE REQUIREMENTS OF OSHPD CAN 9-3301
- PLACEMENT SHALL BE COORDINATED WITH OSHPD FIELD FLSO. (14) INFECTION CONTROL ANTEROOM.

AND THAT CONSTRUCTION/INFECTION CONTROL BARRIER

(15) REMOVE EXISTING VACUUM OUTLETT.

#### **GENERAL NOTES:**

- A. GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN FIELD PRIOR TO STARTING CONSTRUCTION.
- B. ALL MATERIAL COLORS TO BE SELECTED BY OWNER AND/OR ARCHITECT.

#### **DEMOLITION GENERAL NOTES:**

- A) REFER TO GENERAL NOTES ON SHEET A0.0 FOR INFORMATION NOT
- INDICATED ON DEMO NOTES
- B) UNLESS OTHERWISE NOTED, CONTRACTOR SHALL COORDINATE WITH THE OWNER THE REMOVAL OF EXISTING EQUIPMENT INDICATED ON DRAWINGS.
- C) 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.
- D) REFER TO DEMOLITION PLAN FOR NOTES INDICATING TYPE OF FINISHES WITHIN THE EXISTING SPACE TO BE REMOVED.
- E) REFER TO RELATED PLANS FOR PORTIONS OF EXISTING CONSTRUCTION SCHEDULED TO REMAIN.
- F) PATCH NEW WORK TO MATCH AND ALIGN WITH THE EXISTING. COMPLETELY REMOVE EXISTING FINISHES WHERE NEW FINISHES ARE SCHEDULED.
- G) CONTRACTOR SHALL PRESERVE AND PROTECT THE EXISTING AREA, EQUIPMENT, CABINETRY ETC. ADJACENT TO THE AREA OF WORK
- H) 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. TYPICALLY CAP AND CLOSE ALL ABANDONED OPENING AT EXISTING SLAB. FILL
- AND PATCH TO LEVEL FLOOR, AS PER STRUCTURAL DETAIL 9 ON SD3. 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 FOR UNCOVERED EXISTING CONDITIONS. J) REFER TO NEW PLAN FOR LOCATION OF TEMPORARY CONSTRUCTION WALL
- K) GENERAL CONTRACTOR SHALL INSTALL A TEMPORARY DUST CURTAIN OF FIRE RESTRICTIVE VISQUEEN IN THE PLENUM BETWEEN TOP OF STUD PARTITION AND UNDERSIDE OF DECK ABOVE. SEAL ALL OPENINGS INCLUDING DOORS, AIR SUPPLY AND RETURN, EXHAUST GRILLE. PROVIDE ZIPPER TYPE ACCESS TO CONSTRUCTION AREAS. THE TEMPORARY DUST CURTAIN IS TO BE ERECTED BEWTEEN WORK AREA AND ALL ADJACENT ROOMS AND CORRIDORS. THE GENERAL CONTRACTOR SHALL PROVIDE A TEMPORARY HEPA FILTRATION SYSTEM, TO BE APPROVED BY OWNER, FOR EACH AREA OF THE REMODEL, FOR THE REMOVAL OF ALL AIRBORNE MATERIAL CAUSED DURING CONSTRUCTION. EXHAUST FILTERED AIR FROM ROOMS UNDER CONSTRUCTION THROUGH BUILDING AIR RETURN SYSTEM.
- L) CONTRACTOR SHALL PRESERVE AND PROTECT THE PORTIONS OF THE EXISTING OVERHEAD PAGING, TELEPHONE, DATA, ELECTRICAL LINES, ETC. DURING THE COURSE OF CONSTRUCTION. MANY OF THE SYSTEMS ARE SCHEDULED FOR REUSE BY THE OWNER UNDER THIS OR SEPERATE CONTRACTS.
- M) WORK WITHIN CORRIDOR 100B SHALL BE DEMOLISHED AND CONSTRUCTED AFTER HOURS. USER AND PUBLIC ACCESS SHALL BE MAINTAINED DURING
- N) CONTRACTOR STAGING TO BE IN THE ROOMS UNDER REMODEL.

R) CONTRACTOR TO ENSURE AREA UNDER REMODEL IS LOCKED AND

- O) CONTRACTOR PARKING TO BE IN CONTRACTOR DESIGNATED PARKING AREA.
- P) DRILLING AND RAM-SETTING TO BE DONE AFTER HOURS.
- Q) EXISTING FLOORING TO BE DONE AFTER HOURS.
- OTHERWISE SECURED AFTER HOURS.

#### PARTITION LEGEND:

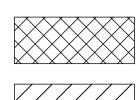
EGRESS PATH OF TRAVEL.

ACCESSIBLE PATH OF TRAVEL.

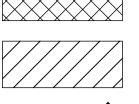
EGRESS PATH OF TRAVEL WITHIN SUITE. (TRAVEL DISTANCE)



ONE-HOUR RATED CORRIDOR.



TWO-HOUR RATED CORRIDOR.



CONSTRUCTION ACCESS — — — — — EXISTING MEMBRANE OF PARTITION OR 

TWO-HOUR EXISTING FIRE BARRIER

EXISTING PARTITION TO REMAIN. ONE-HOUR EXISTING FIRE/SMOKE PARTITION.

THICK LINE INDICATES NEW SURFACE FINISH.

CORNER GUARD. ETR INDICATES EXISTING CORNER GUARD TO REMAIN, U.O.N.

— · — · — WP — · — · — WALL PROTECTION. DOOR FRAME PROTECTION.

———— FP ———— FIRE PARTITION.

WALL TYPE REFERENCE REFER TO DETAIL 4/A4-10

WALL TYPE REFERENCE REFER TO DETAIL 3/A4-10 WALL TYPE REFERENCE REFER TO DETAIL 2/A4-10

**PARTITION NOTES:** 

- 1. ALL DIMENSIONS SHOWN ARE TO FINISHED FACE OF GYP. BOARD, TYPICAL U.O.N. REFER TO SHEET A4-10 FOR GENERAL NOTES AND REQUIREMENTS FOR PARTITIONS.
- 2. EXISTING WALLS WERE CONSTRUCTED WITH MANY PERMITS AND/OR CONTRACTS. FIELD VERIFY CONSTRUCTION AND WIDTH PRIOR TO FABRICATION OF DOOR FRAMES OR COMPONENTS WHICH REQUIRE THE WIDTH OF WALL TO BE SET.

5151 Shoreham Place, Suite 100 San Diego, Ca 92122

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

> TCMC **CYTOLOGY**

#### Tri-City Medical Center

4002 Vista Way Oceanside, California 92056

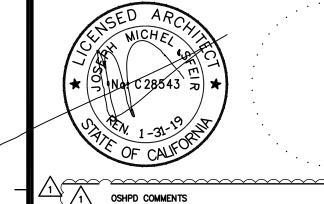
TRI-CITY MEDICAL CENTER 4002 VISTA WAY OCEANSIDE, CALIFORNIA 92056

ARCHITECT: SFEIR ARCHITECTS 1350 COLUMBIA STREET, SUITE 603 SAN DIEGO, CALIFORNIA 92101

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

TEL(619)618-2347 STRUCTURAL: SUN STRUCTURAL ENGINEERING 2091 LAS PALMAS DRIVE, SUITE D

CARLSBAD, CA 92011 TEL(760)438-1188



1	OSHPD COMMENTS	06-23-17	
- <del></del>	~ <del>~~~~~~~~~~~~</del>		_


CONSULTANT

REV: DESCRIPTION:

OSHPD APPROVAL STAMP:

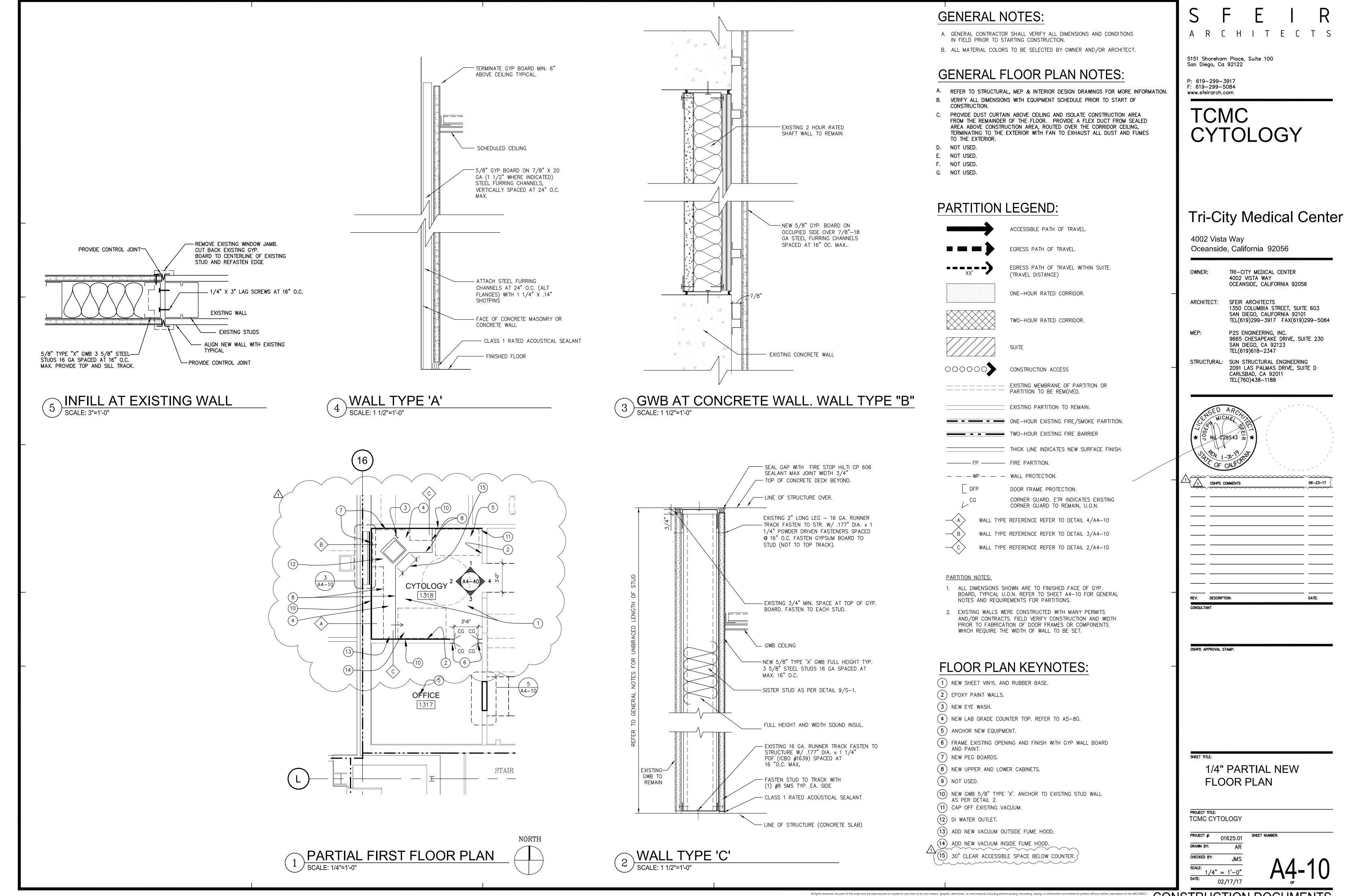
1/4" PARTIAL FIRST

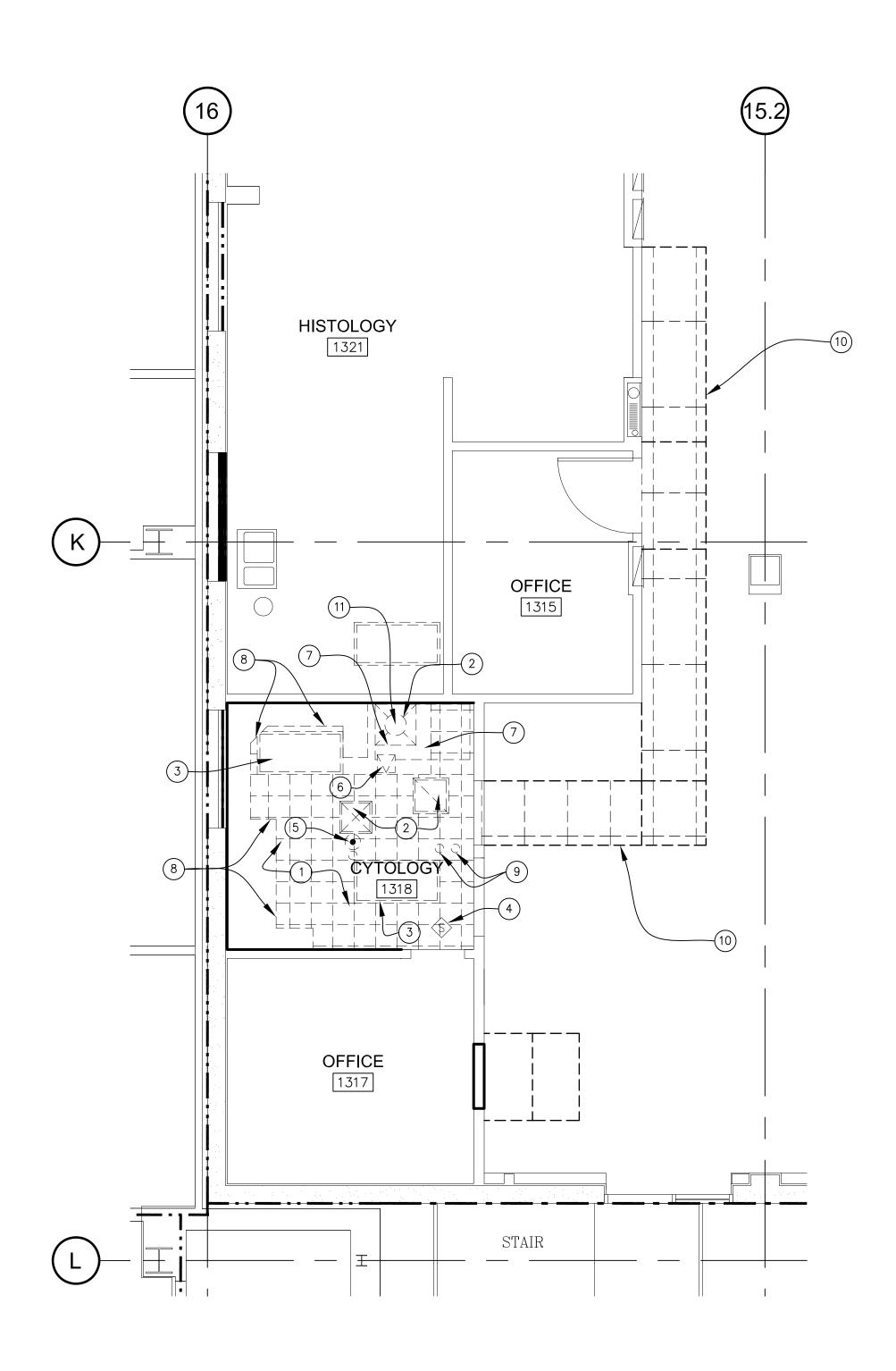
**DEMO PLAN** 

TCMC CYTOLOGY

01625.01

1/2" = 1'-0"





PARTIAL FIRST DEMO RCP PLAN

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



#### **GENERAL NOTES:**

- A. GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN FIELD PRIOR TO STARTING CONSTRUCTION.
- B. ALL MATERIAL COLORS TO BE SELECTED BY OWNER AND/OR ARCHITECT.

#### RCP DEMOLITION NOTES:

- A) REFER TO GENERAL NOTES ON SHEET AO.O FOR INFORMATION NOT INDICATED ON DEMO NOTES
- B) UNLESS OTHERWISE NOTED, CONTRACTOR SHALL COORDINATE WITH THE OWNER THE REMOVAL OF EXISTING EQUIPMENT INDICATED ON DRAWINGS.
- C) 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.
- D) REFER TO DEMOLITION PLAN NOTES FOR TYPE OF FINISHES.
- E) REFER TO RELATED PLANS FOR PORTIONS OF EXISTING CONSTRUCTION SCHEDULED TO REMAIN.
- F) PATCH NEW WORK TO MATCH AND ALIGN WITH THE EXISTING. COMPLETELY REMOVE EXISTING FINISHES WHERE NEW FINISHES ARE SCHEDULED.
- G) CONTRACTOR SHALL PRESERVE AND PROTECT THE EXISTING OVERHEAD EQUIPMENT, LIGHTING, FIRE ALARM, FIRE SPRINKLER, PAGING, PHONE, DATA, ELECTRICAL LINES, ETC. ADJASON TO THE AREA OF WORK

#### RCP DEMOLITION KEYNOTES:

- REMOVE EXISTING 1'X1' GLUE-ON CEILING TILES, SUBSTRATE AND ASSOCIATED SUPPORTS.
- 2 REMOVE EXISTING SUPPLY, RETURN, AND EXHAUST AIR GRILLS, REGISTERS AND PIPES.
- 3 REMOVE EXISTING LIGHT FIXTURES AND ASSOCIATED SUPPORTS.
- 4) REMOVE EXISTING SMOKE DETECTOR AND SALVAGE FOR RE-USE.
- (5) REMOVE EXISTING SPRINKLER HEAD AND SALVAGE FOR RE-USE.
- 6 REMOVE EXISTING ACCESS PANEL.
- 7) REMOVE EXISTING METAL PANEL.
- 8 REMOVE EXISTING CABINETRY AND ASSOCIATED SUPPORTS AT CEILING IN ITS ENTIRETY.
- 9 REMOVE EXISTING METAL COVER PLATE.
- 10) REMOVE AND REPLACE ACOUSTICAL CEILING PANELS AFTER ADDING
- (11) REMOVE BSC EXHAUST DUCTWORK.

#### MATERIAL LEGEND:

2X2 ACOUSTICAL CEILING TILE

RECESSED LAY-IN FLUORESCENT LIGHT FIXTURE PROVIDE (2) SLACK SAFETY WIRES AT DIAGONAL CORNERS.

PROVIDE (1) SLACK SAFETY WIRE

SUSPENDED GYP. BOARD CEILING

RECESSED "CAN" LIGHT EXISTING TO REMAIN PROVIDE (1) SLACK SAFETY WIRE

RECESSED "CAN" LIGHT DIRECTED TOWARD WALL.

EXIT SIGN
PROVIDE (1) SLACK SAFETY WIRE AT CEILING MOUNTED FIXTURES

SMOKE DETECTOR
PROVIDE (1) SLACK SAFETY WIRE

PAGING SPEAKER
PROVIDE (1) SLACK SAFETY WIRE

2'-0' RETURN AIR

RETURN AIR OR EXHAUST PROVIDE (2) SLACK SAFETY WIRES AT DIAGONAL CORNERS.

3'-0" SUPPLY AIR DIFFUSER

SUPPLY AIR DIFFUSER
PROVIDE (2) SLACK SAFETY WIRES AT DIAGONAL CORNERS.

2' X 2' CEILING ACCESS PANEL

1' X 1' CEILING ACCESS PANEL

1' X 1' CEILING EXHAUST

1' X 1' CEILING HVAC SUPPLY

1' X 1' CEILING HVAC RETURN

1' X 4' FLOURESCENT CEILING LIGHT

EVISTING

EXISTING SPRINKLER HEAD TO REMAIN

AUDIBLE NURSE CALL

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

5151 Shoreham Place, Suite 100 San Diego, Ca 92122

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

TCMC CYTOLOGY

#### Tri-City Medical Center

4002 Vista Way Oceanside, California 92056

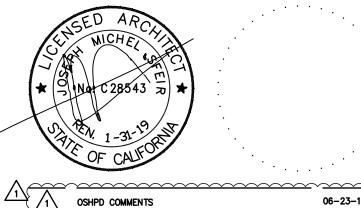
> TRI-CITY MEDICAL CENTER 4002 VISTA WAY OCEANSIDE, CALIFORNIA 92056

ARCHITECT: SFEIR ARCHITECTS
1350 COLUMBIA STREET, SUITE 603
SAN DIEGO, CALIFORNIA 92101
TEL(619)299-3917 FAX(619)299-5084

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

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

TEL(760)438-1188



 REV:	DESCRIPTION:	 DATE:

OSHPD APPROVAL STAMP:

SHEET TITLE:

1/4" PARTIAL FIRST

PROJECT TITLE:

**DEMO RCP** 

PROJECT #: 01625.01 SHEET NUMB

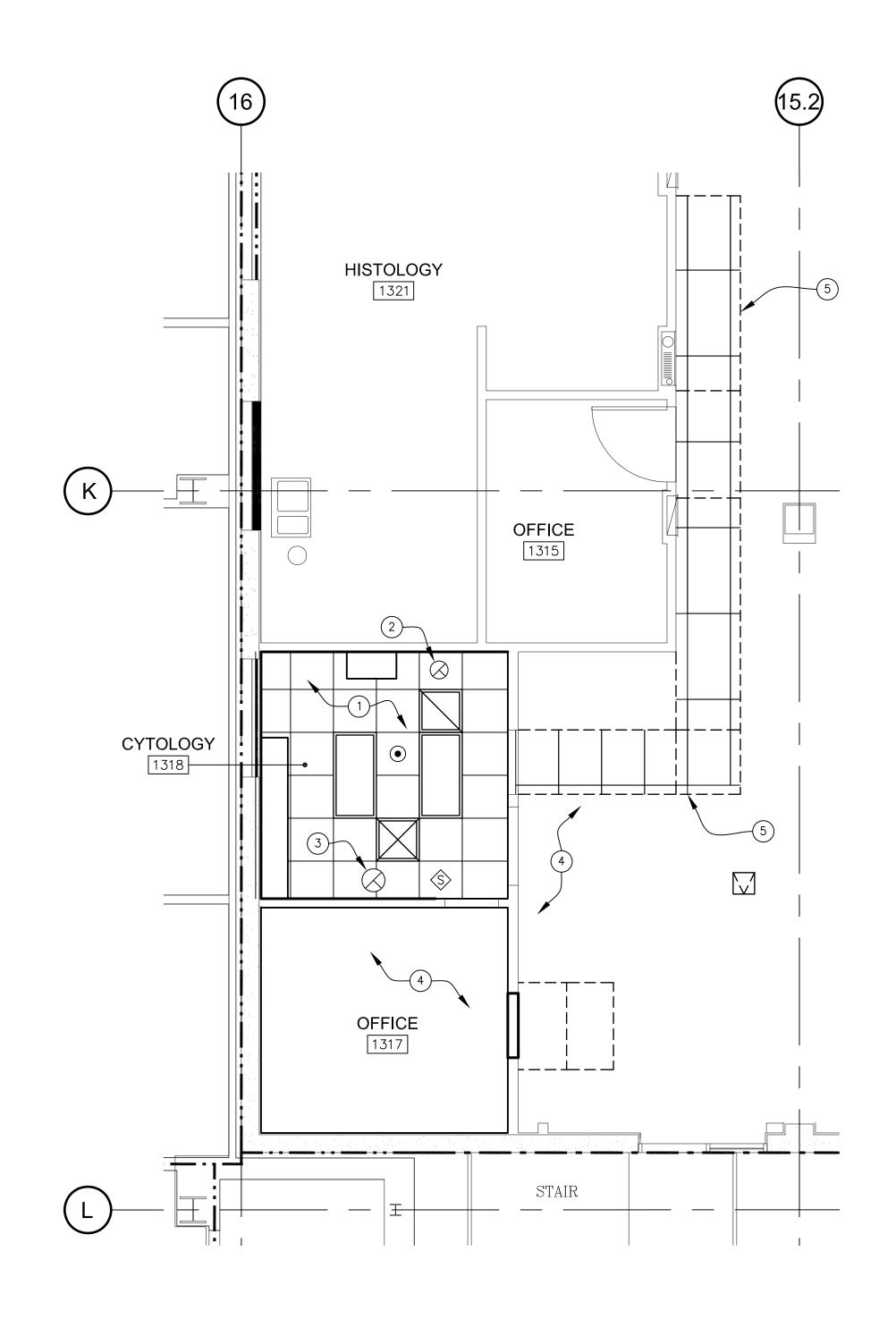
02/17/17

CHECKED BY: JMS

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

TCMC CYTOLOGY

A4-20



PARTIAL FIRST RCP PLAN SCALE: 1/4"=1'-0"



#### GENERAL NOTES:

- A. GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN FIELD PRIOR TO STARTING CONSTRUCTION.
- B. ALL MATERIAL COLORS TO BE SELECTED BY OWNER AND/OR ARCHITECT.

#### 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, ELECTRICAL, 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. NOT USED.
- 11. REFER TO SHEET A5-60 FOR CEILING DETAILS.
- 12. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- 13. NOT USED.

#### RCP KEYNOTES:

- (1) NEW 2X2 ACOUSTICAL CEILING PANEL.
- (2) EXHAUST VENT FROM BIOSAFETY CABINET.
- (3) EXHAUST VENT FROM FUME HOOD.
- (4) EXISTING CEILING TO REMAIN.
- 5 REMOVE AND REPLACE ACOUSTICAL CEILING PANELS AFTER ADDING DUCTWORK.

#### MATERIAL LEGEND:

2X2 ACOUSTICAL CEILING TILE

SUSPENDED GYP. BOARD CEILING

RECESSED LAY-IN FLUORESCENT LIGHT FIXTURE

PROVIDE (2) SLACK SAFETY WIRES AT DIAGONAL CORNERS.

RECESSED "CAN" LIGHT EXISTING TO REMAIN PROVIDE (1) SLACK SAFETY WIRE RECESSED "CAN" LIGHT DIRECTED TOWARD WALL. PROVIDE (1) SLACK SAFETY WIRE

PROVIDE (1) SLACK SAFETY WIRE AT CEILING MOUNTED FIXTUF

SMOKE DETECTOR PROVIDE (1) SLACK SAFETY WIRE PAGING SPEAKER PROVIDE (1) SLACK SAFETY WIRE

3'-0" SUPPLY AIR DIFFUSER

2'-0' RETURN AIR

RETURN AIR OR EXHAUST PROVIDE (2) SLACK SAFETY WIRES AT DIAGONAL CORNERS.

SUPPLY AIR DIFFUSER PROVIDE (2) SLACK SAFETY WIRES AT DIAGONAL CORNERS.

2' X 2' CEILING ACCESS PANEL 1' X 1' CEILING ACCESS PANEL

1' X 1' CEILING EXHAUST 1' X 1' CEILING HVAC SUPPLY

1' X 4' FLOURESCENT CEILING LIGHT

1' X 1' CEILING HVAC RETURN

CAMERA.

EXISTING SPRINKLER HEAD TO REMAIN

AUDIBLE NURSE CALL

ARCHITECTS

5151 Shoreham Place, Suite 100 San Diego, Ca 92122

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

TCMC **CYTOLOGY** 

#### Tri-City Medical Center

4002 Vista Way Oceanside, California 92056

TRI-CITY MEDICAL CENTER 4002 VISTA WAY

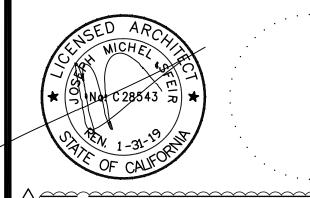
ARCHITECT: SFEIR ARCHITECTS 1350 COLUMBIA STREET, SUITE 603 SAN DIEGO, CALIFORNIA 92101

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

OCEANSIDE, CALIFORNIA 92056

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

TEL(619)618-2347



			-
$\sim$	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	······································	~~
<u> }</u>	OSHPD COMMENTS	(	06-23
7			$\overline{}$


OSHPD APPROVAL STAMP:

1/4" PARTIAL FIRST

TCMC CYTOLOGY

RCP PLAN

CHECKED BY: 1/4" = 1'-0" 02/17/17

EQUI	PMENT SCHEE	DULE										
EQUIPMENT #	DESCRIPTION	WEIGHT (APPROX.)	HEIGHT=h	WIDTH=b	DEPTH=d	PLAN/ELEVATION	REMARKS	EXIS.	NEW	RESPONSIBILITY	QUANTITY	
(001)	CENTRIFUGE	LESS < 20 LBS.?	10"	21"	15-1/4"	PLAN/ELEVATION	_	X		OFCI	1	
(002)	FUME HOOD	410 lbs.	59.0"	60.0"	37.7"	SEE DETAIL 1/SD2	PROTECTOR XSTREAM LABORATORY HOODS		Х	OFCI	1	
(003)	BIOSAFETY CABINET	545 LBS.	61.7"	54.3"	31.2"	SEE DETAIL 3/SD1	A2- PURIFIER LOGIC + CLASS II, BIOSAFETY CABINET		Х	OFCI	1	
(004)	BIOSAFETY CABINET STAND	125 LBS.	27.5" MIN. 34.5" MAX.	50.5"	29"	SEE DETAIL 3/SD1	_		Х	OFCI	1	
(006)	SOLVENT STORAGE CABINET	215 LBS.	31.5"		22.0"+8" FILL PANEL	SEE DETAIL 1/SD2			X	OFCI	2	$\gamma$
									\ \			<i>}</i>

RESPONSIBILITY:

GENERAL NOTES

<u>REMARKS:</u>

1 REFER TO INFORMATION SHEET FOR ADDITIONAL NOTES

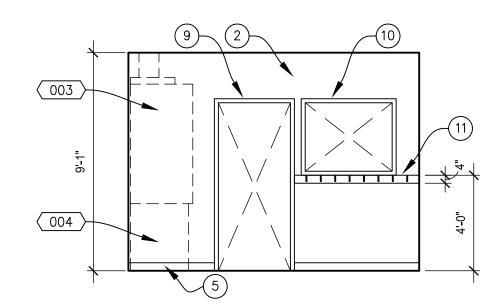
2 REFER TO MANUFACTURER SPECIFICATIONS FOR ADDITIONAL INFORMATION.

OFOI: OWNER FURNISHED, OWNER INSTALLED

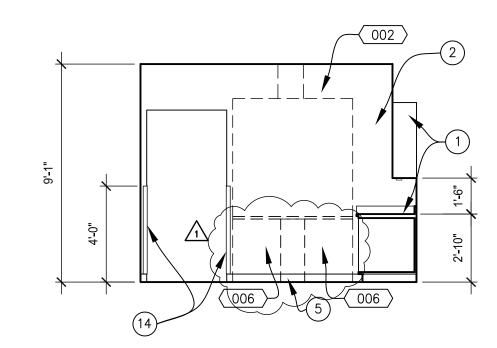
OFCI: OWNER FURNISHED, CONTRACTOR INSTALLED

CFCI: CONTRACTOR FURNISHED, CONTRACTOR INSTALLED

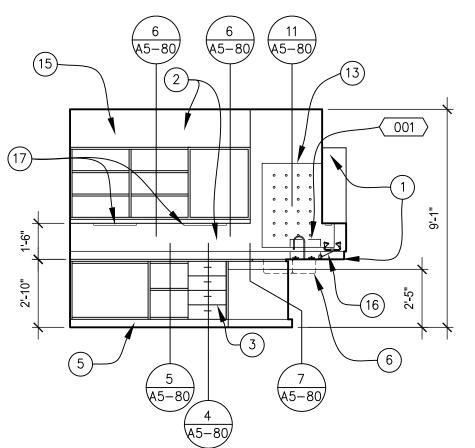
(1.) PROVIDE EMERGENCY POWER.



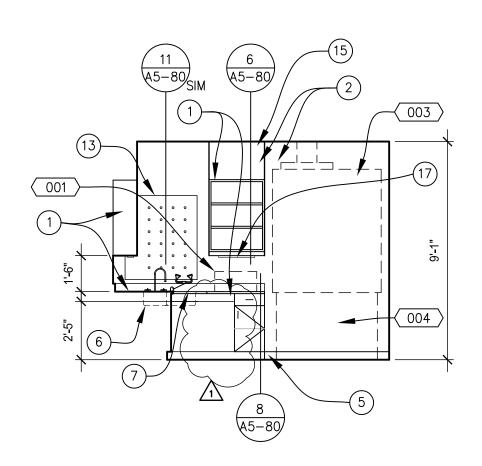
INTERIOR ELEVATION
SCALE: 1/4"=1'-0"



INTERIOR ELEVATION



2 INTERIOR ELEVATION
SCALE: 1/4"=1'-0"



INTERIOR ELEVATION

#### GENERAL NOTES:

- A. GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN FIELD PRIOR TO STARTING CONSTRUCTION.
- B. ALL MATERIAL COLORS TO BE SELECTED BY OWNER AND/OR ARCHITECT.

#### GENERAL INTERIOR **ELEVATION NOTES:**

GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS OF ROUGH OPENINGS AND COORDINATE WITH OWNER FOR ALL EQUIPMENT CLEARANCES PRIOR TO PREPARING SHOP DRAWINGS AND FABRICATION.

#### INTERIOR ELEVATION KEYNOTES:

- 1) NEW LOWER AND UPPER CABINETS.
- 2 PATCH, PRIME AND PAINT WALL.
- 3 NEW DRAWER MILLWORK.
- (4) NOT USED.
- 5) NEW 4" RUBBER BASE, MATCH EXISTING COLOR.
- (6) NEW SINK, REFER TO MECH. DRAWINGS.
- 7) NEW LAB GRADE COUNTER TOP.
- 8 NOT USED.
- 9 PRIME AND PAINT EXISTING DOOR FRAME.
- (10) PRIME AND PAINT EXISTING WINDOW FRAME.
- (11) PRIME AND PAINT WOOD COAT HOOK SUPPORT.
- (12) NOT USED.
- NEW STAINLESS STEAL PEGBOARD INTER DYNE. ANCHOR TO NEW BACKING PLATE BEHIND GWB. REFER TO DETAIL 2/SD2.
- 14) NEW CORNER GUARD PER 1/ID-2
- (15) GWB FASCIA.
- (16) NEW EYE WASH.
- (17) NEW UNDER CABINET LIGHTING.



5151 Shoreham Place, Suite 100 San Diego, Ca 92122

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

### TCMC CYTOLOGY

#### Tri-City Medical Center

4002 Vista Way Oceanside, California 92056

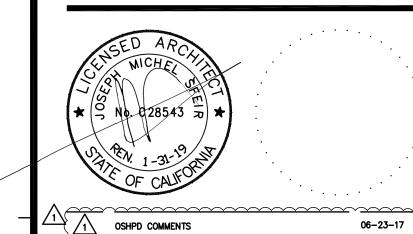
TRI-CITY MEDICAL CENTER 4002 VISTA WAY OCEANSIDE, CALIFORNIA 92056

ARCHITECT: SFEIR ARCHITECTS
1350 COLUMBIA STREET, SUITE 603

SAN DIEGO, CALIFORNIA 92101 TEL(619)299-3917 FAX(619)299-5084

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

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

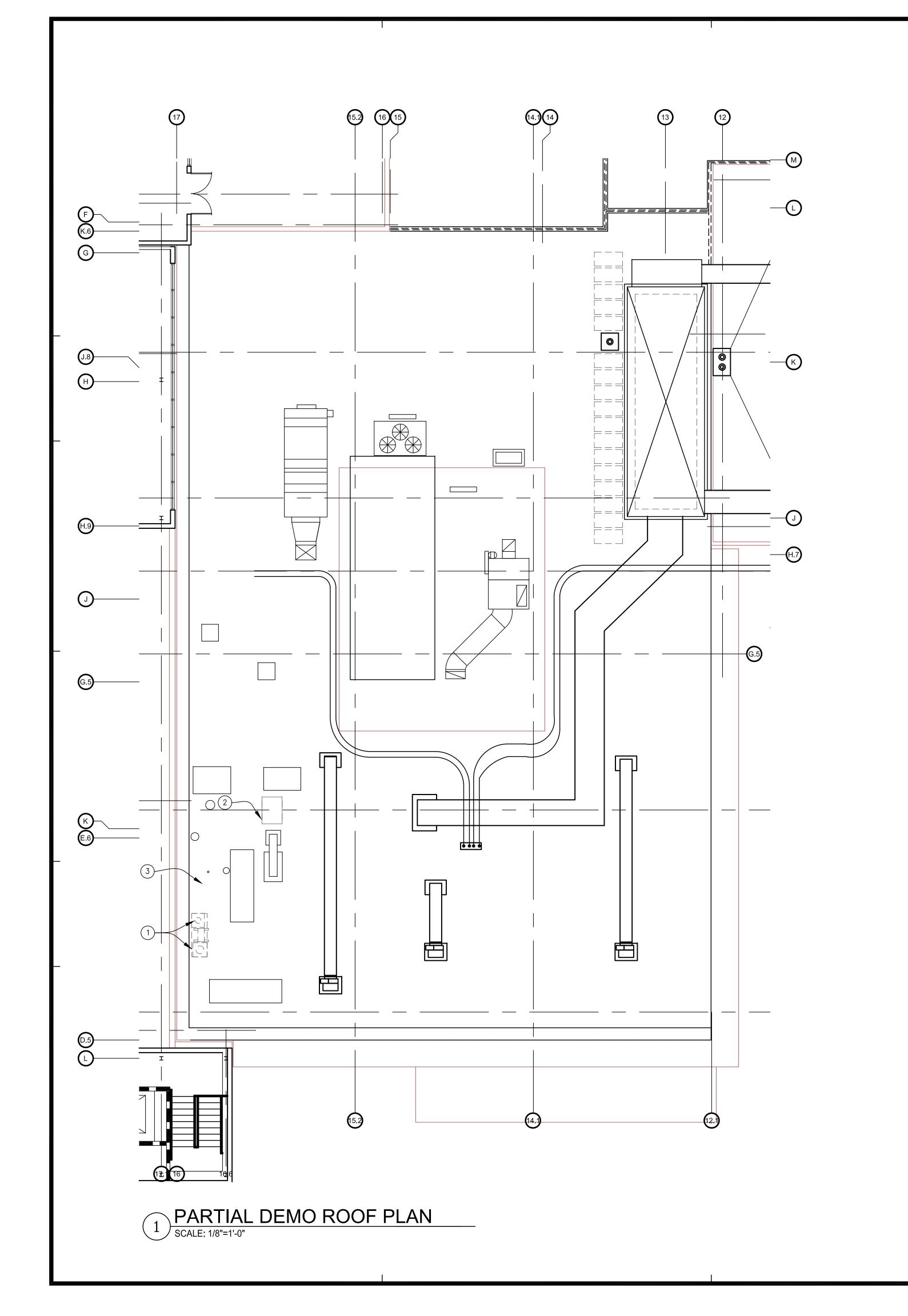


- <del></del> -	<del></del>	~~~

OSHPD APPROVAL STAMP:

1/4" INTERIOR **ELEVATIONS** 

PROJECT TITLE:
TCMC CYTOLOGY



#### GENERAL NOTES:

- A. GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN FIELD PRIOR TO STARTING CONSTRUCTION.
- B. ALL MATERIAL COLORS TO BE SELECTED BY OWNER AND/OR ARCHITECT.

#### **GENERAL ROOF NOTES:**

- 1. THE CONTRACTOR SHALL SECURE THE BUILDING FROM ALL WEATHER ELEMENTS DURING CONSTRUCTION.
- INSTALL STUCCO FINISH COAT TO NEAREST JOINT, COLOR TO MATCH
- 3. 0'-0" IS FINISH FLOOR. ROOF ELEVATIONS ARE SHWON TO TOP OF PLYWOOD.

EXISTING, TO ALL EXTERIOR WALL SURFACES DISTURBED DURING CONSTRUCTION.

4. CONTRACTOR WILL PROTECT EXISTING ROOFING FROM ANY DAMAGE DURING CONSTRUCTION. DAMAGE TO BE REPAIRED TO MATCH EXISTING WITH EQUAL OR GREATER QUALITY MATERIAL.

#### DEMO ROOF PLAN KEYNOTES:

- 1) REMOVE FAN AND CURB.
- 2) REMOVE INSULATION AND ROOF MEMBRANE.
- 3 REMOVE EXISTING ROOFING MEMBRANE.

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

5151 Shoreham Place, Suite 100 San Diego, Ca 92122

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

### TCMC CYTOLOGY

#### Tri-City Medical Center

4002 Vista Way
Oceanside, California 92056

TRI-CITY MEDICAL CENTER 4002 VISTA WAY

ARCHITECT: SFEIR ARCHITECTS
1350 COLUMBIA STREET, SUITE 603
SAN DIEGO, CALIFORNIA 92101

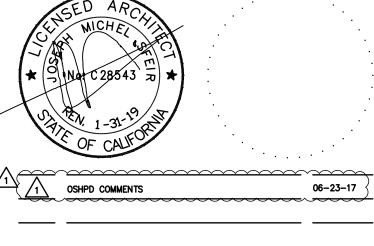
TEL(619)299-3917 FAX(619)299-5084

OCEANSIDE, CALIFORNIA 92056

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

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

CARLSBAD, CA 92011 TEL(760)438-1188




CONSULTANT

OSHPD APPROVAL S

1/8" PARTIAL ROOF DEMOLITION PLAN

PROJECT TITLE:
TCMC CYTOLOGY

PROJECT #: 0162

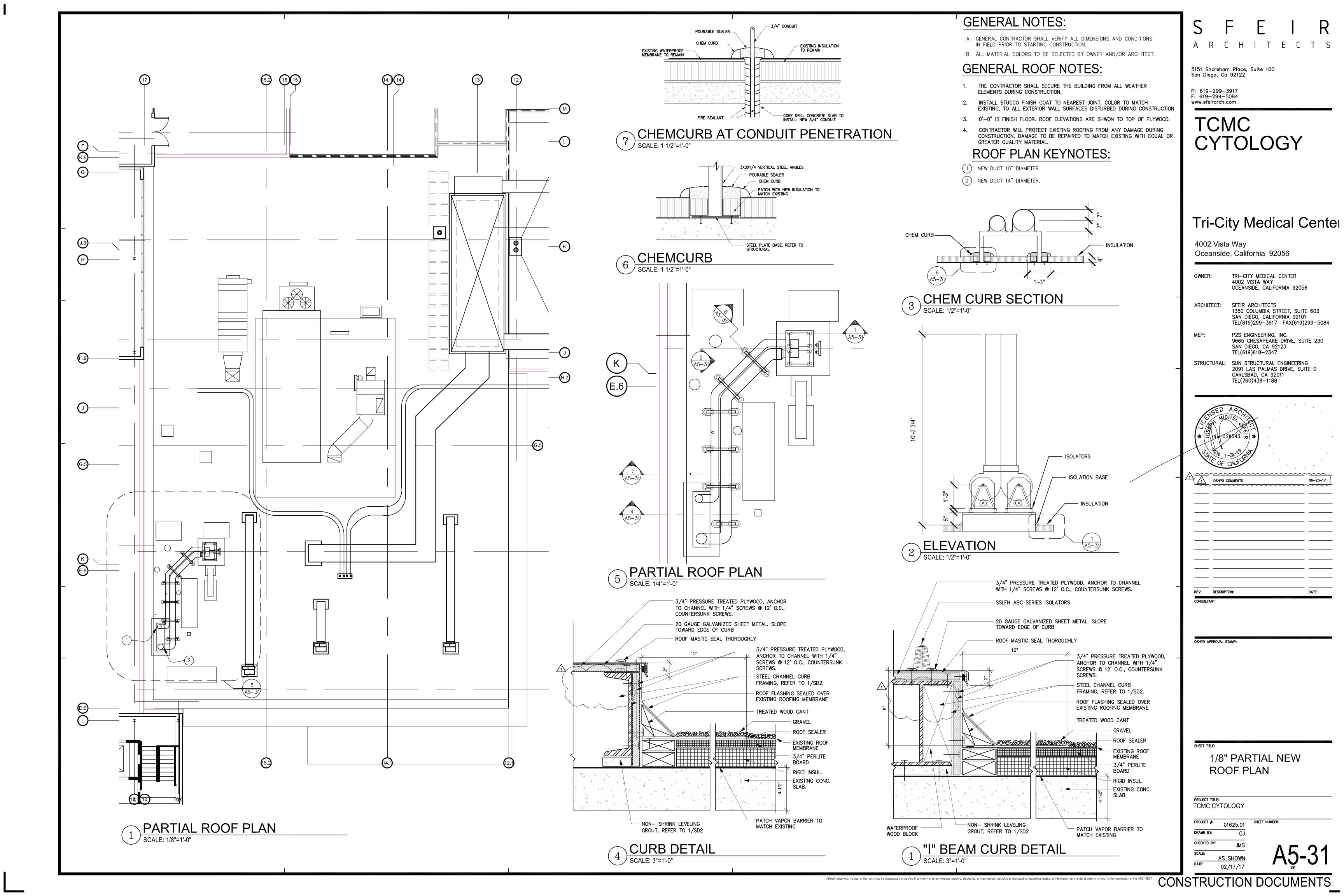
DRAWN BY:

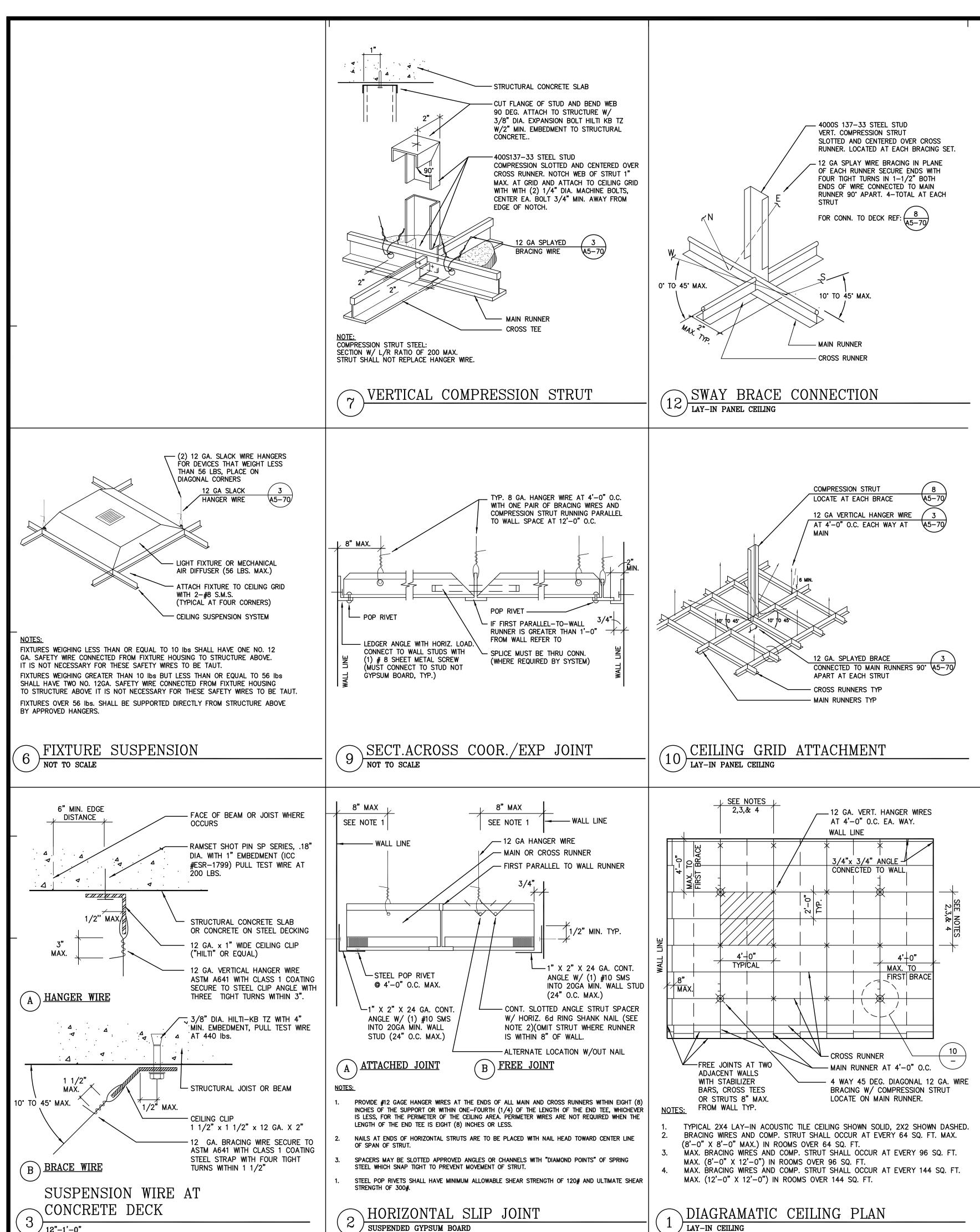
CHECKED BY:

SCALE:

AS SHOWN

DATE:





#### **GENERAL NOTES:**

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

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

#### **GENERAL NOTES:**

#### METAL SUSPENSION SYSTEMS FOR LAY-IN PANEL CEILINGS

- CONSTRUCTION, WORKMANSHIP AND MATERIAL SHALL CONFORM TO THE 2013 CALIFORNIA BUILDING STANDARDS CODE (CBSC 2013).
- THE CONTRACTOR SHALL NOTIFY OSHPD AND THE REGISTERED DESIGN PROFESSIONAL (RDP) IN RESPONSIBLE CHARGE WHERE A CONFLICT OR DISCREPANCY OCCURS BETWEEN THE CONSTRUCTION DRAWINGS AND ANY OTHER PORTION OF THE CONSTRUCTION DOCUMENTS, FIELD CONDITIONS, OR WHERE ANY CONDITIONS ARISE NOT COVERED BY THESE DOCUMENTS WHEREIN WORK WILL NOT COMPLY WITH CODE REQUIREMENTS.
- THE INTENT OF THE DRAWINGS AND SPECIFICATIONS IS TO CONSTRUCT THE HOSPITAL BUILDING IN ACCORDANCE WITH THE CALIFORNIA BUILDING STANDARD CODE, 2013 (CBSC 2013). SHOULD ANY CONDITION DEVELOP NOT COVERED BY THE APPROVED CONSTRUCTION DOCUMENTS WHEREIN THE WORK WILL NOT COMPLY WITH CBSC 2013, A CHANGE ORDER DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY OSHPD BEFORE PROCEEDING WITH THE WORK.
- GALVANIZED METAL STUDS, TRACKS AND SHEET STEEL SHALL CONFORM TO A STM A653-11 MATERIAL, OR OTHER EQUIVALENT ASTM LISTED MATERIALS IN SECTION A2.1 OF THE AISI SI00-07/S2-10; NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS WITH SUPPLEMENT 2, DATED 2010, WITH A MINIMUM YIELD STRENGTH OF 33 KSI FOR 43 MIL (18 GAGE) AND LIGHTER AND MINIMUM YIELD STRENGTH OF 50 KSI FOR HEAVIER GAGES. METAL STUDS AND TRACKS SHALL BE OF SIZE. THICKNESS AND SECTION PROPERTIES SHOWN ON TABLES 1-1, 1-2 AND 1-3 OF THE AISI MANUAL, COLD-FORMED STEEL DESIGN, 2008 EDITION. THE RDP IN RESPONSIBLE CHARGE SHALL OBTAIN OSHPD APPROVAL FOR ANY
- ELECTRICAL METALLIC TUBE (EMT) SHALL BE ANSI C80.3/UL 797 CARBON STEEL WITH G90 GALVANIZING. EMT SHALL HAVE MINIMUM YIELD STRENGTH OF (Fy = ) 30 KSI AND MINIMUM ULTIMATE STRENGTH OF (Fu = ) 48 KSI.
- THESE OPD REFER TO FASTENER TYPE AND SIZE BUT DO NOT SPECIFY OR ENDORSE A SPECIFIC MANUFACTURER. THE RDP IN RESPONSIBLE CHARGE SHALL SELECT A MANUFACTURER AND SELECTED FASTENER CAPACITIES SHALL MATCH OR EXCEED THE STRENGTHS LISTED HEREIN. THE FOLLOWING REQUIREMENTS SHALL ALSO BE MET:
- SHEET METAL SCREWS SHALL COMPLY WITH ASTM C 1513-10, ASME B18.6.4-98 (R2005) AND ICC-ES AC 118 AND ALLOWABLE STRENGTH SHALL BE BÀSED ON INFORMATION PROVIDED IN CL1.31 AND CL1.32. PENETRATION OF SCREWS THROUGH JOINED MATERIAL SHALL NOT BE LESS THAN THREE EXPOSED THREADS.
- WELDING SHALL BE IN ACCORDANCE WITH AWS D1.3 USING E60XX SERIES ELECTRODES. FIELD WELDING SHALL HAVE SPECIAL INSPECTION IN ACCORDANCE WITH 2013 CBC SECTION 1705A.2.
- POST- INSTALLED ANCHORS (E.G. EXPANSION ANCHORS, SCREW ANCHORS AND POWER ACTUATED FASTENERS) SHALL HAVE SPECIAL INSPECTION AND TESTING IN ACCORDANCE WITH THE 2013 CBC SECTIONS 1705A.3 & 1913A.7. FOR QUALIFICATION, DESIGN AND USE OF POST-INSTALLED ANCHORS IN CONCRETE SEE THE 2013 CBC SECTIONS 1616A.1.19 AND 1908A.1.1. LISTING OF CURRENT ICC-ES EVALUATION REPORTS (OR REPORTS FROM OTHER TESTING AGENCIES ACCEPTABLE TO OSHPD) SHALL BE REQUIRED FOR FASTENER USED.
- POWER-ACTUATED FASTENERS (PAF), POWDER DRIVEN FASTENERS (PDF), POWER DRIVEN PINS (PDP) AND SHOT PINS ALL REPRESENT THE SAME FASTENER AND WILL HEREAFTER BE REFERRED TO AS POWER ACTUATED FASTENERS (PAF). PAF'S SHALL SATISFY THE CURRENT AC70-ACCEPTANCE CRITERIA FOR FASTENERS POWER-DRIVEN INTO CONCRETE, STEEL AND MASONRY ELEMENTS AND THE 2013 CBC SECTION 1908A 1.1 LISTING OF CURRENT ICC ES EVALUATION REPORTS (OR REPORTS FROM OTHER TESTING AGENCIES ACCEPTABLE TO OSHPD) SHALL BE REQUIRED FOR FASTENERS USED.
- e. FOR PAF INSTALLED IN STEEL THE FASTENER PENETRATION SHALL HAVE THE ENTIRE POINTED END OF THE FASTENER DRIVEN THROUGH THE STEEL MEMBER, EXCEPT AS NOTED IN CURRENT REPORTS FROM TESTING AGENCIES ACCEPTABLE TO OSHPD.
- DESIGN CRITERIA a. BUILDING CODE: 2013 CALIFORNIA BUILDING CODE (2013 CBC), ASCE
- 7-10, AISI S100-07/S2-10, ASTM E580-11b, C635-12, AND C636-08. FOR LOAD COMBINATIONS, ALLOWABLE STRESS DESIGN SHALL BE IN ACCORDANCE WITH 2013 CBC SECTION 1605A.3.1.
- FASTENER CAPACITIES TABLES WERE DEVELOPED BASED ON ICC REPORTS BY SEVERAL MANUFACTURERS.
- THE DESIGN ASSUMES THAT BUILDING ELEMENTS AND SUPPORTS, TO WHICH THE COMPONENTS ADDRESSED IN THIS DOCUMENT ARE ANCHORED, HAVE SUFFICIENT CAPACITY TO CARRY THE LOADS IMPOSED BY THE COMPONENTS IN COMBINATION WITH ALL OTHER LOADS. EVALUATION OF THE CAPACITY OF THESE SUPPORTING BUILDING ELEMENTS IS BEYOND THE SCOPE OF THE OPD.
- d. THIS OPD IS LIMITED TO CEILING ASSEMBLIES HAVING MAXIMUM DEAD WEIGHT OF 4 PSF, INCLUDING LIGHTING FIXTURES (LUMINERIES) AND MECHANICAL SERVICES, EACH WEIGHING LESS THAN 56 LBS AND ATTACHED TO CEILING FRAMING SYSTEM. HEAVIER SYSTEM AND THOSE SUPPORTING LATERAL FORCES FROM PARTITION WALLS ARE OUTSIDE THE SCOPE OF THIS OPD AND WILL REQUIRE PROJECT SPECIFIC DESIGN.
- THE RDP IN RESPONSIBLE CHARGE SHALL VERIFY THE FIRE RESISTANCE AND ACOUSTICAL RATINGS FOR ALL CEILING ASSEMBLIES.
- "CEILING WIRE" SHALL CONFORM WITH GALVANIZED SOFT ANNEALED MILD STEEL WIRE AS DEFINED IN ASTM A641 (CLASS 1 COATING) WITH 70 KSI MINIMUM TENSILE STRENGTH: a. FOUR (4) TWISTS OF WIRE WITHIN 1.5" DEVELOPS THE ALLOWABLE LOAD
- THREE (3) TWISTS WITHIN 3" MAY BE USED TO DEVELOP THE MAXIMUM 50% OF ALLOWABLE LOAD.
- 10. SUSPENSION SYSTEM COMPONENTS SHALL COMPLY WITH ASTM C635 AND E580 SECTION 5.1: a. THE CEILING GRID SYSTEM SHALL BE RATED HEAVY DUTY AS DEFINED BY ASTM C635.
- HANGER AND BRACING WIRES SHALL BE #12 GAGE (0.106" DIAMETER), SOFT ANNEALED, AND GALVANIZED STEEL WIRES WITH CLASS 1 COATING. THEY MAY BE USED FOR UP TO AND INCLUDING 4'-0"x 4'-0" GRID SPACING ALONG AND ATTACHED TO MAIN RUNNERS. SPLICES ARE NOT PERMITTED IN ANY HANGER WIRE.
- MAIN RUNNERS AND CROSS RUNNERS ALONG WITH THEIR SPLICES, INTERSECTION CONNECTORS, AND EXPANSION DEVICES SHALL BE DESIGNED AND CONSTRUCTED TO CARRY A MEAN ULTIMATE TEST LOAD OF NOT LESS THAN 180 LBS. IN COMPRESSION & TENSION, IN ACCORDANCE WITH ASTM 580 SECTION 5.1.2.
- SUSPENSION SYSTEM INSTALLATION, SHALL COMPLY WITH ASTM C636 AND E580 SECTION 5.2: a. PROVIDE #12 GAGE HANGER WIRES AT THE ENDS OF ALL MAIN AND CROSS RUNNERS WITHIN EIGHT (8) INCHES OF THE SUPPORT OR WITHIN
  - ONE-FOURTH (1/4) OF THE LENGTH OF THE END TEE, WHICHEVER IS LESS, FOR THE PERIMETER OF THE CEILING AREA. PERIMETER WIRES ARE NOT REQUIRED WHEN THE LENGTH OF THE END TEE IS EIGHT (8) INCHES OR LESS.
  - CEILING GRID MEMBERS SHALL BE ATTACHED TO TWO (2) ADJACENT WALLS, IN ACCORDANCE WITH ASTM E580 SECTION 5.2.3. CEILING GRID MEMBERS SHALL BE AT LEAST 3/4" INCH CLEAR OF OTHER WALLS. IF WALLS RUN DIAGONAL TO THE CEILING GRID SYSTEM RUNNERS, ONE END OF MAIN AND CROSS RUNNERS SHOULD BE FREE, AND A MINIMUM OF 3/4 INCH CLEAR OF WALL.

- THE WIDTH OF THE PERIMETER SUPPORTING CLOSURE ANGLE SHALL BE NOT LESS THAN TWO (2) INCHES. USE OF ANGLES WITH SMALLER WIDTHS IN CONJUNCTION WITH PERIMETER CLIPS SHALL REQUIRE AN ALTERNATE METHOD OF COMPLIANCE WITH ADEQUATE JUSTIFICATION AND ARE OUTSIDE THE SCOPE OF THIS OPD.
- AT THE PERIMETER OF THE CEILING AREA WHERE MAIN OR CROSS RUNNERS ARE NOT CONNECTED TO THE ADJACENT WALL. PROVIDE INTERCONNECTION BETWEEN THE RUNNERS AT THE FREE END TO PREVENT LATERAL SPREADING. A METAL STRUT OR A #16 GAGE WIRE WITH A POSITIVE MECHANICAL CONNECTION TO RUNNER MAY BE USED. WHERE THE PERPENDICULAR DISTANCE FROM THE WALL TO THE FIRST PARALLEL RUNNER IS EIGHT (8) INCHES OR LESS, THIS INTERCONNECTION IS NOT REQUIRED.
- 12. EXPANSION JOINTS, SEISMIC SEPARATIONS, AND PENETRATIONS: EXPANSION JOINTS SHALL BE PROVIDED IN THE CEILING AT INTERSECTIONS OF CORRIDORS AND AT JUNCTIONS OF CORRIDORS WITH
- LOBBIES OR OTHER SIMILAR AREAS. FOR CEILING AREAS EXCEEDING 2500 SQUARE FEET, A SEISMIC SEPARATION JOINT SHALL BE PROVIDED TO DIVIDE THE CEILING INTO
- AREAS NOT EXCEEDING 2500 SQ. FT. PENETRATIONS THROUGH THE CEILING FOR SPRINKLER HEADS AND OTHER SIMILAR DEVICES THAT ARE NOT INTEGRALLY TIED TO THE CEILING SYSTEM IN THE LATERAL DIRECTION SHALL HAVE A TWO (2) INCH OVERSIZED RING, SLEEVE OR ADAPTER THROUGH THE CEILING TILE TO ALLOW FREE MOVEMENT OF ONE (1) INCH IN ALL HORIZONTAL DIRECTIONS. A FLEXIBLE SPRINKLER HOSE FITTING THAT CAN ACCOMMODATE ONE (1) INCH OF CEILING MOVEMENT SHALL BE PERMITTED TO BE USED IN LIEU OF THE OVERSIZED RING, SLEEVE OR ADAPTER. SUCH FLEXIBLE SPRINKLER HOSE SHALL BE ADEQUATELY SUPPORTED FROM SOFFIT SO AS NOT TO EXCEED THE MAXIMUM TRIBUTARY WEIGHT OF THE CEILING.
- 13. LATERAL FORCE BRACING: LATERAL FORCE BRACING IS REQUIRED IN ACCORDANCE WITH THIS SECTION FOR ALL CEILING AREAS, UON.

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

- PROVIDE LATERAL-FORCE BRACING ASSEMBLIES CONSISTING OF A STRUT AND FOUR (4) #12 GAGE BRACING WIRES ORIENTED 90 DEGREES FROM EACH OTHER.
- b. LATERAL-FORCE BRACING ASSEMBLIES SHALL BE SPACED IN ACCORDANCE WITH CL2.20 THROUGH CL2.22 AND CL2.30 FROM EACH WALL AND AT THE EDGES OF ANY CHANGE OF ELEVATION OF THE
- c. THE SLOPE OF BRACING WIRES MAY BE FROM 10 TO 45 DEGREES BUT MAY NOT EXCEED 45 DEGREES FROM THE PLANE OF THE CEILING AND WIRES SHALL BE TAUT. STRUTS SHALL BE ADEQUATE TO RESIST THE VERTICAL COMPONENT
- INDUCED BY THE BRACING WIRES, AND SHALL NOT BE MORE THAN 1 (HORIZONTAL) IN 6 (VERTICAL) OUT OF PLUMB. 14. ATTACHMENT OF HANGER AND BRACING WIRES:
- a. FASTEN #12 HANGER WIRES WITH NOT LESS THAN THREE (3) TIGHT 1 URN IN 3 INCHES. HANGER WIRE LOOPS SHALL BE TIGHTLY WRAPPED AND SHARPLY BENT TO PREVENT ANY VERTICAL MOVEMENT OR ROTATION OF THE MEMBER WITHIN THE LOOPS.
- b. FASTEN #12 BRACING WIRES WITH FOUR (4) TIGHT TURNS. MAKE ALL TIGHT TURNS WITHIN A DISTANCE OF 1 1/2" INCHES.
- HANGER OR BRACING WIRE ANCHORED TO THE STRUCTURE SHOULD BE INSTALLED IN SUCH A MANNER THAT THE DIRECTION OF THE ANCHOR ALIGNS AS CLOSELY AS POSSIBLE WITH THE DIRECTION OF THE WIRE. SEPARATE ALL CEILING HANGER AND BRACING WIRES AT LEAST SIX (6)
- INCHES FROM ALL UNBRACED DUCTS, PIPES CONDUITS, ETC. HANGER WIRES SHALL NOT BE ATTACHED TO OR BEND AROUND INTERFERING MATERIAL OR EQUIPMENT. PROVIDE TRAPEZE OR OTHER SUPPLEMENTARY SUPPORT MEMBERS AT OBSTRUCTIONS TO TYPICAL HANGER SPACING. PROVIDE ADDITIONAL HANGERS, STRUTS OR BRACES AS REQUIRED AT ALL CEILING BREAKS, SOFFITS, OR DISCONTINUOUS
- HANGER WIRES THAT ARE MORE THAN 1 (HORIZONTAL) IN 6 (VERTICAL) OUT OF PLUMB SHALL REQUIRE PROJECT SPECIFIC DESIGN.
- WHEN DRILLED-IN CONCRETE ANCHORS OR PAF ARE USED TN REINFORCED CONCRETE FOR HANGER WIRES, 1 OUT OF 10 WIRE/ ANCHOR ASSEMBLIES SHALL BE FIELD TESTED FOR 200 LBS. IN TENSION. WHEN DRILLED-IN CONCRETE ANCHORS ARE USED FOR BRACING WIRES, 1 OUT OF 2 WIRE/ANCHOR ASSEMBLIES SHALL BE FIELD TESTED FOR 440 LBS.
- 15. CEILING FIXTURES, TERMINALS, AND DEVICES:
  - CEILING PANELS SHALL NOT SUPPORT ANY LIGHT FIXTURES, AIR TERMINALS/GRILLS, OR OTHER DEVICES (REFERRED TO ALL BY COMMON TERM FIXTURES HERE AFTER).
- ALL FIXTURES SHALL BE MOUNTED IN A MANNER THAT WILL NOT COMPROMISE CEILING PERFORMANCE
- ALL FIXTURES SHALL BE ATTACHED TO THE SUSPENDED CEILING SYSTEM BY MECHANICAL MEANS, UNLESS INDEPENDENTLY SUPPORTED. THE ATTACHMENT DEVICE SHALL HAVE THE CAPACITY OF 100% OF FIXTURE WEIGHT ACTING IN ANY DIRECTION. A MINIMUM OF TWO ATTACHMENT DEVICES ARE REQUIRED FOR EACH FIXTURE.
- SURFACE MOUNTED FIXTURES SHALL BE ATTACHED TO THE MAIN RUNNER WITH POSITIVE CLAMPING DEVICES MADE OF MATERIAL WITH A MINIMUM 14 GAGE. A NO.12 GAUGE SAFETY WIRES SHALL BE ATTACHED BETWEEN THE CLAMPING DEVICE AND TO THE STRUCTURE ABOVE. IN NO CASE SHALL THE FIXTURES EXCEED THE DESIGN CAPACITY OF THE
- SUPPORTING MEMBERS. ALL FIXTURES WEIGHING LESS THAN OR EQUAL TO 10 LB. SHALL HAVE ONE NO. 12 GAUGE SAFETY WIRE CONNECTED FROM FIXTURE HOUSING TO STRUCTURE ABOVE. IT IS NOT NECESSARY FOR THESE SAFETY WIRES TO BE TAUT.
- ALL FIXTURES WEIGHING GREATER THAN 10 LB BUT LESS THAN OR EQUAL TO 56 LB. SHALL HAVE TWO NO. 12 GAUGE SAFETY WIRE CONNECTED FROM FIXTURE HOUSING TO STRUCTURE ABOVE. IT IS NOT NECESSARY FOR THESE SAFETY WIRES TO BE TAUT.
- ALL FIXTURES WEIGHING GREATER THAN 56 LB. SHALL BE SUPPORTED DIRECTLY FROM STRUCTURE ABOVE BY APPROVED HANGERS. PENDENT-HUNG FIXTURES SHALL BE SUPPORTED DIRECTLY FROM THE

SHALL NOT PROVIDE ANY DIRECT SUPPORT.

STRUCTURE ABOVE USING NO LESS THAN NO. 9-GAUGE WIRE OR AN

APPROVED ALTERNATE SUPPORT. THE CEILING SUSPENSION SYSTEM

- ALL RECESSED OR DROP-IN FIXTURES SHALL BE SUPPORTED DIRECTLY FROM FIXTURE HOUSING TO THE STRUCTURE ABOVE WITH A MINIMUM OF TWO NO. 12 GAUGE WIRES LOCATED AT DIAGONALLY OPPOSITE CORNERS LEVELING OR POSITIONING OF FIXTURES MAY BE PROVIDED BY CEILING GRID. FIXTURE SUPPORT WIRES MAY BE SLIGHTLY LOOSE TO ALLOW THE FIXTURE TO SEAT IN THE GRID SYSTEM. FIXTURES SHALL NOT BE SUPPORTED FROM MAIN RUNNERS OR CROSS RUNNERS IF THE WEIGHT OF THE FIXTURES CAUSES TOTAL DEAD LOAD TO EXCEED THE DEFLECTION CAPABILITY OF THE CEILING SUSPENSION SYSTEM.
- 16. ADDITIONAL REQUIREMENTS: CEILINGS THAT ARE PART OF A FIRE RATED ASSEMBLY: PROVIDE A DETAIL AND DESIGN NUMBER FOR RATED CEILING ASSEMBLIES FROM AN APPROVED TESTING AGENCY. THE COMPONENTS AND INSTALLATION DETAILS CONFORM IN EVERY RESPECT WITH THE LISTED DETAIL AND NUMBER. DETAILS SHALL CLEARLY DEPICT ALL COMPONENTS, INCLUDING INSULATION MATERIALS, FRAMING AND ATTACHMENT OF THE DESIGN SO THAT THE ASSEMBLY CAN BE CONSTRUCTED AND INSPECTED ACCORDINGLY. POP RIVETS, SCREWS, OR OTHER ATTACHMENTS ARE NOT ACCEPTABLE UNLESS SPECIFICALLY DETAILED ON THE DRAWINGS AND APPROVED BY APPROVED TESTING AGENCY.
  - THAN 1/2 PSF, OTHER THAN MINERAL FIBER ACOUSTICAL TILE, ARE TO BE POSITIVELY ATTACHED TO THE CEILING SUSPENSION RUNNERS. BUILDING EXIT WAYS: CEILINGS IN EXIT WAYS SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 13.5.6.2.2(1) OF ASCE 7-10 AS AMENDED BY 2013 CBC SECTION 1616A.1.20. SPLICES OR INTERSECTION OF RUNNERS SHALL BE ATTACHED WITH THROUGH CONNECTORS SUCH AS POP RIVETS, SCREWS, PINS, PLATES WITH END TABS OR OTHER APPROVED CONNECTORS

METAL AND OTHER PANELS: METAL PANELS AND PANELS WEIGHING MOR

ARCHITECTS

5151 Shoreham Place, Suite 100 San Diego, Ca 92122

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

### TCMC **CYTOLOGY**

#### Tri-City Medical Center

4002 Vista Way Oceanside, California 92056

TRI-CITY MEDICAL CENTER 4002 VISTA WAY

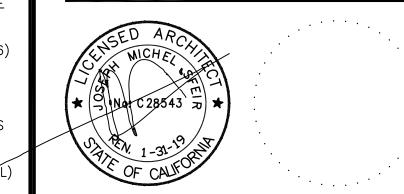
OCEANSIDE, CALIFORNIA 92056 SFEIR ARCHITECTS

SAN DIEGO, CALIFORNIA 92101 TEL(619)299-3917 FAX(619)299-5084 P2S ENGINEERING, INC.

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

1350 COLUMBIA STREET, SUITE 603

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



(A)	OF CALFOR	
	OSHPD COMMENTS	06-23-17

<u>.</u>	DESCRIPTION:		DATE:		
ISULT	SULTANT				

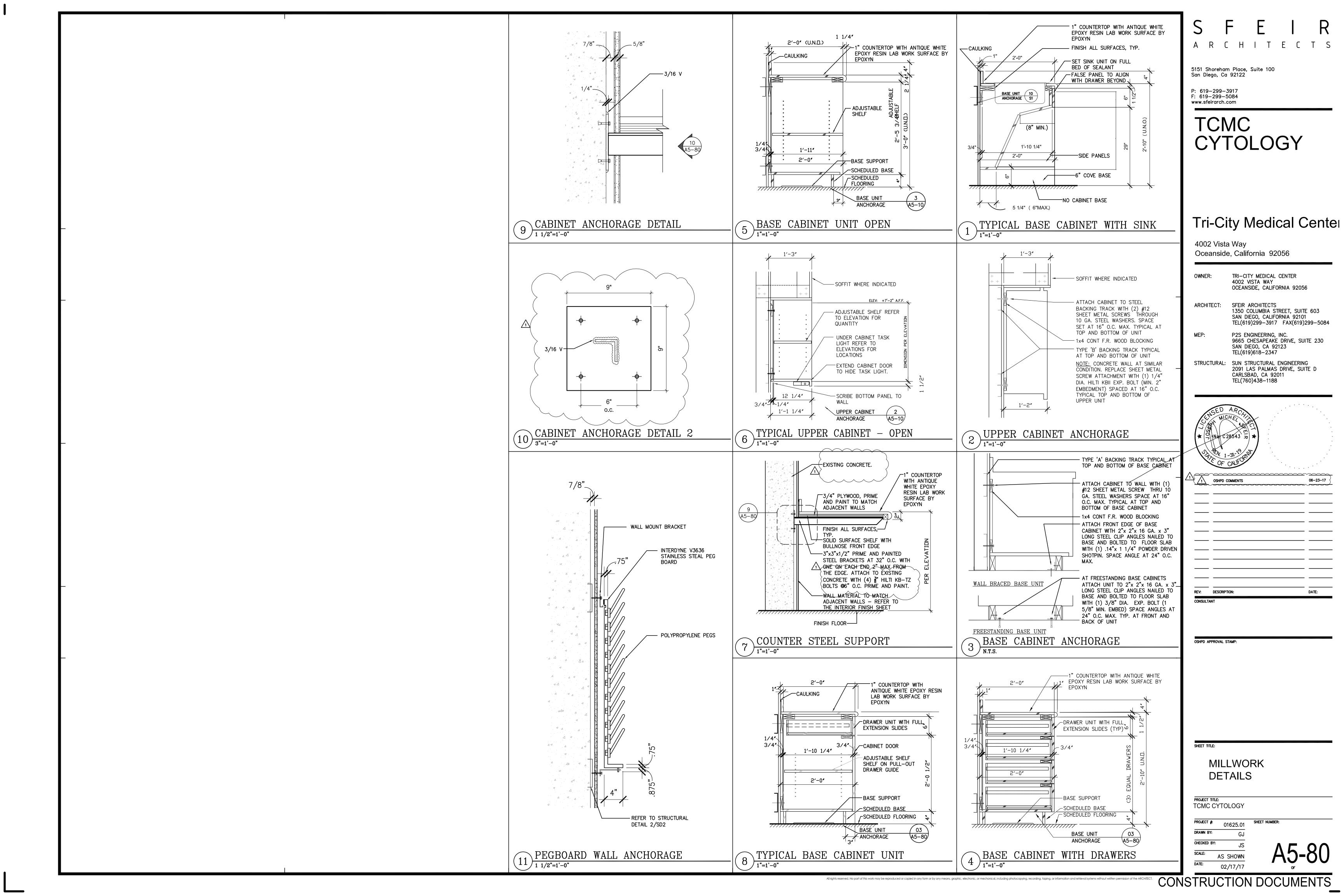
OSHPD APPROVAL STAMP:

LAY-IN CEILING **DETAILS** 

PROJECT #: SHEET NUMBER 01625.01

02/17/17

CHECKED BY: AS SHOWN



QUIPMENT #	DESCRIPTION	WEIGHT (APPROX.)	HEIGHT=h	WIDTH=b	DEPTH=d	PLAN/ELEVATION	REMARKS	EXIS.	NEW	RESPONSIBILITY	QUANTITY
(001)	CENTRIFUGE	LESS < 20 LBS.?	10"	21"	15-1/4"	PLAN/ELEVATION	-	X		OFCI	1
(002)	FUME HOOD	410 lbs.	59.0"	60.0"	37.7"	SEE DETAIL 1/SD2	PROTECTOR XSTREAM LABORATORY HOODS		Х	OFCI	1
(003)	BIOSAFETY CABINET	545 LBS.	61.7"	54.3"	31.2"	SEE DETAIL 3/SD1	A2- PURIFIER LOGIC + CLASS II, BIOSAFETY CABINET		Х	OFCI	1
(004)	BIOSAFETY CABINET STAND	125 LBS.	27.5" MIN. 34.5" MAX.	50.5"	29"	SEE DETAIL 3/SD1	_		Х	OFCI	1
(006)	SOLVENT STORAGE CABINET	215 LBS.	31.5"	24"	22.0"+8" FILL PANEL	SEE DETAIL 1/SD2	-		Х	OFCI (	2

RESPONSIBILITY:

**GENERAL NOTES** 

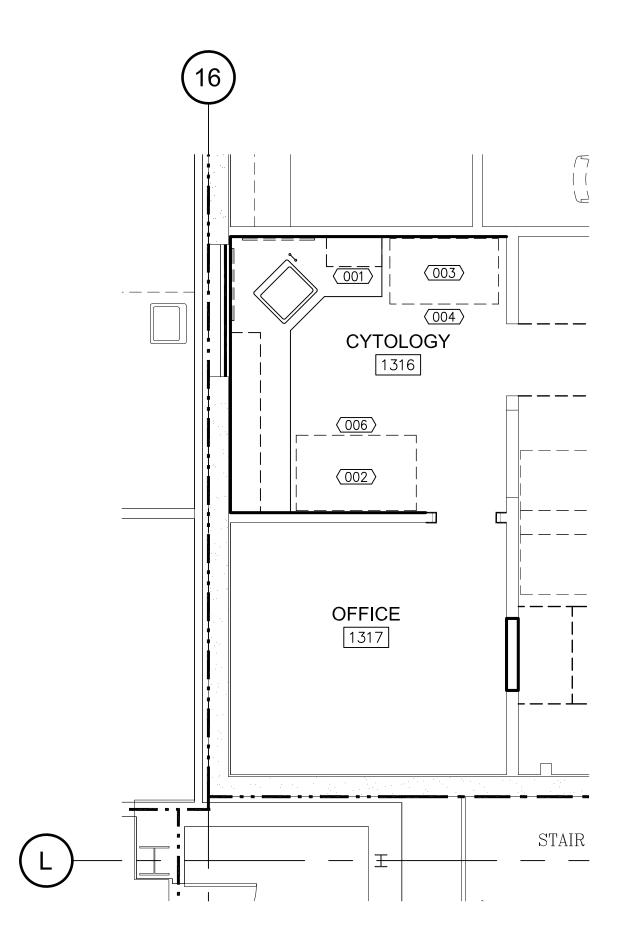
1 REFER TO INFORMATION SHEET FOR ADDITIONAL NOTES

2 REFER TO MANUFACTURER SPECIFICATIONS FOR ADDITIONAL INFORMATION.

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

REMARKS:

1) PROVIDE EMERGENCY POWER. CFCI: CONTRACTOR FURNISHED, CONTRACTOR INSTALLED



PARTIAL FIRST FLOOR NEW EQUIPMENT PLAN

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



#### **GENERAL NOTES:**

- A. GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN FIELD PRIOR TO STARTING CONSTRUCTION.
- B. ALL MATERIAL COLORS TO BE SELECTED BY OWNER AND/OR ARCHITECT.

ARCHITECTS

5151 Shoreham Place, Suite 100 San Diego, Ca 92122

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

### TCMC CYTOLOGY

### Tri-City Medical Center

4002 Vista Way Oceanside, California 92056

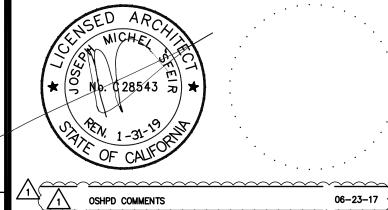
TRI-CITY MEDICAL CENTER 4002 VISTA WAY OCEANSIDE, CALIFORNIA 92056

ARCHITECT: SFEIR ARCHITECTS 1350 COLUMBIA STREET, SUITE 603 SAN DIEGO, CALIFORNIA 92101 TEL(619)299-3917 FAX(619)299-5084

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

TEL(619)618-2347

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



$\overline{}$	××××××××××××××××××××××××××××××××××××××
<del>'</del> \' <u>/1\</u>	OSHPD COMMENTS
	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

REV: DESCRIPTION:

OSHPD APPROVAL STAMP:

**EQUIPMENT PLAN** AND SCHEDULE

PROJECT TITLE:
TCMC CYTOLOGY

#### FINISH LEGEND:

<u>WALLS:</u> P-1

MANUF: COLOR: FINISH: EPOXY PAINT FLOORING:

MANUF: MANNINGTON SHEET VINY MATERIAL: SHEET VINYL STYLE: SIZE: GROUT: COLOR: NOTE: CEILING:

ACP-1 MANUF: USG
MATERIAL: ACOUSTICAL CEILING PANEL
STYLE: CLIMAPLUS (VINYL LAMINATED-CLEAN

ROOM APPLICATION)
SIZE: 24"X24"
GRID: USG GRID
GRID COLOR: WHITE

COUNTERTOP:

MANUF: EPOXYN
STYLE: EPOXY RESIN LAB WORK SURFACE
COLOR: ANTIQUE WHITE
FINISH: EPOXY PAINT
SIZE: 1" THICK

BASE

B-1

MANUF: ARMSTRONG
MATERIAL: RUBBER BASE
STYLE:
SIZE: 4"
COLOR: TO BE DETERMINED
NOTE:

CYTOLOGY
CYT

PARTIAL FIRST NEW FINISHES PLAN



#### **GENERAL NOTES:**

- A. GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN FIELD PRIOR TO STARTING CONSTRUCTION.
- B. ALL MATERIAL COLORS TO BE SELECTED BY OWNER AND/OR ARCHITECT.

#### 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 MILLWORK :

- 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.

#### FINISHES KEYNOTES:

All rights reserved. No part of this work may be reproduced or copied in any form or by any means, graphic, electronic, or mechanical, including photocopying, recording, taping, or information and retrieval systems without written permission of the ARCH

- 1 EXISTING CARPET TO REMAIN. PROVIDE A TRANSITION STRIP BETWEEN SHEET VINYL AND CARPET. SEE DETAIL—.
- (2) EXISTING SHEET VINYL TO REMAIN. WELD JOIN BETWEEN NEW AND

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

5151 Shoreham Place, Suite 100 San Diego, Ca 92122

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

### TCMC CYTOLOGY

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

4002 Vista Way Oceanside, California 92056

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

ARCHITECT: SFEIR ARCHITECTS
1350 COLUMBIA STREET, SUITE 603
SAN DIEGO, CALIFORNIA 92101

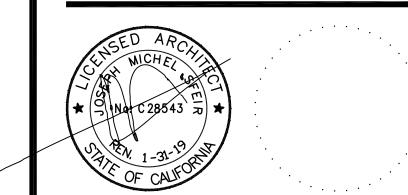
TEL(619)299-3917 FAX(619)299-5084

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

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

TEL(760)438-1188

TEL(619)618-2347



1	OSHPD COMMENTS	06-23-
	_	
	_	
	_	
	_	
	_	
	-	
	_	
	_	
	_	
REV:	DESCRIPTION:	DATE:
CONSUL	TANT	

OSHPD APPROVAL STAMP:

FINISHES FLOOR PLAN LEGEND AND GENERAL NOTES

PROJECT TITLE:
TCMC CYTOLOGY

PROJECT #: 01625.01

DRAWN BY: GJ

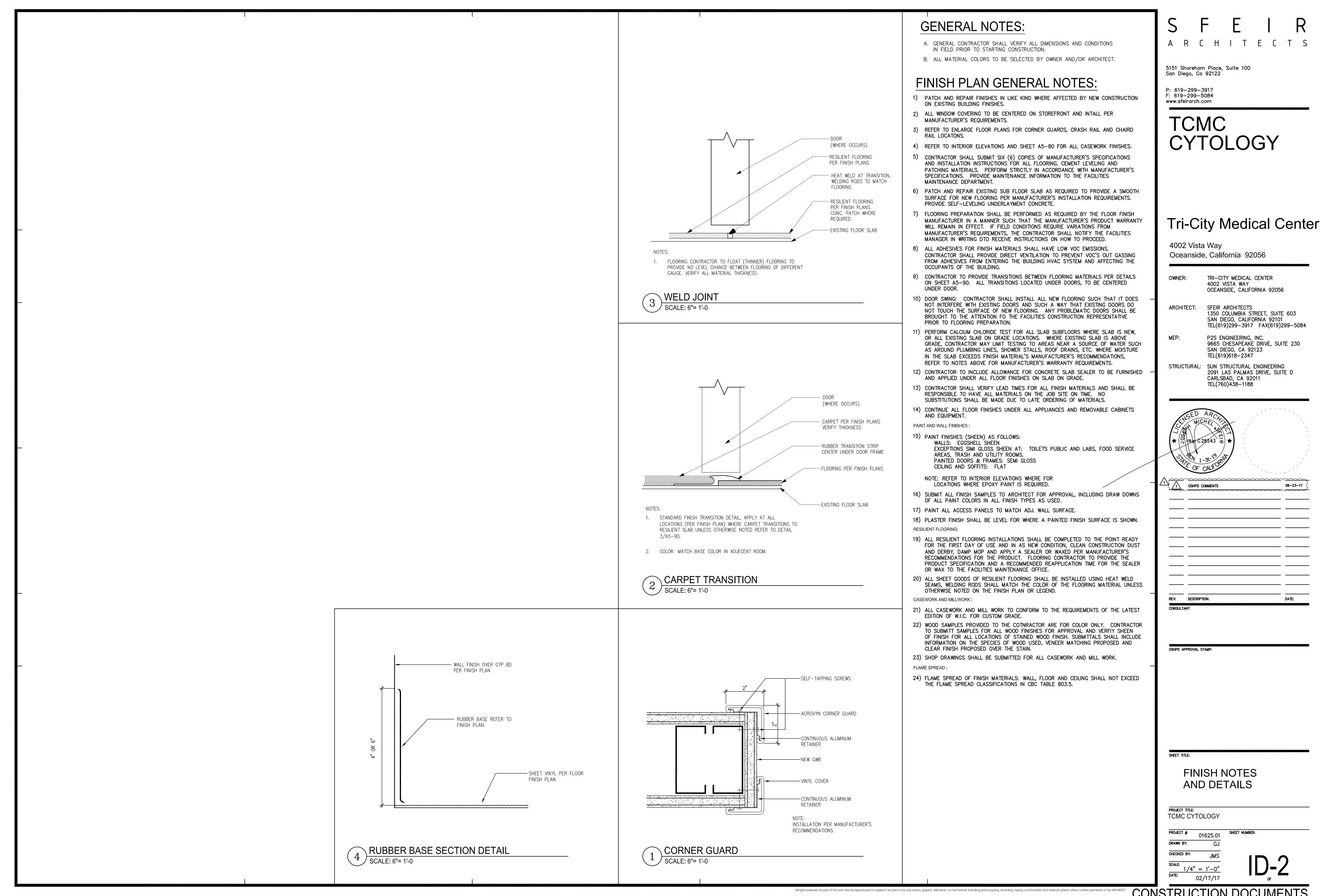
02/17/17

DRAWN BY: GJ

CHECKED BY: JMS

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

ID-



#### GENERAL NOTES

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

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

ANCHOR TYPE ICC-ES ESR# 3/8"ø HILTI KB TZ (5/8"ø HILTI KB TŽ

ALL ANCHORS SHALL BE TESTED BASED ON THE FOLLOWING CRITERIA:

ANCHOR TYPE ICC-ES ESR# 3/8" # HILTI KB IZ ANCHOR \_25 FT-LBS 5/8"¢ HILTI KB TZ ANCHOR 60 FT-LBS

MINIMUM ANCHOR EMBEDMENT SHALL BE 2" FOR 3/8", (3-1/8)" FOR 5/8", (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 1/2 TURN OF THE NUT. **EXCEPTIONS:** 

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

2. THREADED TYPE: ONE QUARTER  $(\frac{1}{4})$  TURN OF THE SCREW AFTER INITIAL SEATING OF THE SCREW HEAD.

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

MINIMUM OF 50% OF THE INSTALLED ANCHOR SHALL BE TESTED. (ALTERNATE ANCHORS IN ANY GROUP ARRANGEMENT) IF ANY ANCHOR FAILS TESTING, TEST ALL ANCHORS OF THE SAME TYPE, INSTALLED BY THE SAME TRADE, NOT PREVIOUSLY TESTED UNTIL TWENTY (20) CONSECUTIVE ANCHORS PASS, THEN RESUME THE INITIAL TEST FREQUENCY. TESTS SHALL BE PERFORMED PER CBC 2010, 1916A.7.

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

#### COLD-FORMED STEEL FRAMING

METAL FRAMING ICC-ESR# 1166P

- 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.
- 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
- 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
- FRAMING SHALL BE ERECTED PLUMB, LEVEL AND SQUARE. BRIDGING AND DIAGONAL TENSION STRAPS SHALL BE USED.
- TEMPORARY BRACING SHALL BE PROVIDED AS REQUIRED UNTIL ERECTION IS COMPLETE AND SAFELY SECURED TO
- COLD-FORMED STEEL YIELD STRENGTH (fy) IS 33 KSI. IDENTIFICATION OF SSMA PRODUCTS

MEMBER DEPTH:  $3.62" = 362 \times 1/100 \text{ INCHES}$ ALL MEMBER DEPTHS ARE TAKEN IN 1/100 INCHES FOR ALL "T" SECTIONS MEMBER DEPTH IS THE INSIDE TO INSIDE DIMENTION

FLANGE WIDTH:  $1.62" = 162 \times 1/100 \text{ INCHES}$ ALL FLANGE WIDTH ARE TAKEN IN 1/100 INCHES

S = STUD OR JOIST SECTIONST = TRACK SECTIONS

MATERIAL THICKNESS: 0.043" = 43 MILS (18 GA.) MATERIAL THICKNESS IS THE MIN. BASE METAL THICKNESS REPRESENTS 95% OF THE DESIGN THICKNESS

#### **EXAMPLE**

COL	COLD-FORMED STEEL STUDS PROPERTIES												
IDENTIFICATION	MEMBER DEPTH	FLANGE WIDTH	MATERIAL THICKNESS										
362S162-43	3.62"	1.625"	18 GA.										
362T125-54	3.62"	1.25"	16 GA.										
600T125-54	6"	1.25"	16 GA.										

#### STRUCTURAL STEEL

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

ALL STEEL MEMBERS TO BE PRIME PAINTED.

#### SEISMIC LOAD

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 = 1.5SEISMIC FORCE COEFFICIENTS:  $a_{p} = 1.0, R_{p} = 2.5$ 

SEISMIC DESIGN CATEGORY "D"

16GA. 3"x3"x 3"LONG ATTACH TO JOIST OR STUD & BLOCKING W/ 2-#8 SCREWS (TYP.) NOTE:

1. WHERE BLOCKING
MATERIAL THICKNESS
ALLOWS, NOTCH AND
BEND TRACK 90'
FOR CONNECTION.

2. WHERE PROVISIONS
ARE PROVIDED FOR
TRANSFER OF FLANGE
FORCES TO SOLID
BLOCKING, BLOCKING
NEED NOT BE THE FULL
DEPTH OF THE MEMBER. — 1" x18 GA. STRAP @ 24" O.C. W/ 1-NO. 10 SCREW EA. END 2- NO. 10 S.M. -SCREWS TO STRAP TO EXISTING STUD SOLID BLOCKING <u>STUDS</u> BLOCKING AT PARTITION CORNER FRAMING NEW WALL TO EXISTING WALL INTERSECTION FRAMING SCALE: NTS SCALE: NTS SCALE: NTS 250S137-43 COLD-ROLLED CHANNEL. HORIZONTAL BRIDGING TO BE SPACED @ 24" O.C. 16GA. 3"x3" CLIP ANGLE, 1/4" LESS THAN STUD WIDTH. ATTACH WITH 4-#8 SCREWS AS SHOWN. LOCATE BLOCKING AT EACH END OF WALL ADJACENT TO OPENINGS @ 8'-0" O.C. \* FOR TRACK: WHERE BLOCKING MATERIAL THICKNESS WHERE BLOCKING MATERIAL THICKNESS
ALLOWS, NOTCH AND BEND FLANGES 90 OR
ANCHOR TO VERTICALS W/ 3"x3"x 3"LONG
16 GA. CLIP ANGLES CONNECTED TO BLKG.
AND VERTICAL STUDS W/ 2-#8 S.M. SCREWS

© EA. LEG OF CLIP TOP & BOTTOM TRACK SPLICE WALL BRIDGING ALTERNATE SCALE: NTS SCALE: NTS 1" x18 GA. FLAT STRAPS. \_ X-BRIDGING 1" x18 GA. FLAT STRAPS, LAP SPLICE STRAPS MINIMUM 4"(102mm NOTE:
ONE ROW OF BRIDGING
AT MID HIGHT OF THE WALL #8 SCREW NEW SSMA 362S200-54 METAL STUD SISTER W/ EXIST. STUD W/ #8 S.M. EXIST. 3-5/8" METAL -STUDS @ 16" O.C. SCREWS @ 12" O.C. STAGGERED \TYPICAL SISTER STUDS CONNECTION PLAN VIEW X-BRIDGING WALL BRIDGING SCALE: NTS SCALE: NTS SCALE: NTS BACKING CHANNEL (UNPUNCHED)
SSMA 800T200-54 (16 GA.) TRACK U.N.O. #8 SCREWS -© 12" STAGGERED NOTCH BACKING CHANNEL @ EXIST. STUD OVER STUDS TYP. BACKING CHANNEL (UNPUNCHED) -SSMA 800T200-54 TRACK U.N.O. NOTCH BACKING CHANNEL OVER STUDS TYP. - #10 SHEET METAL 3- #10 SHEET METAL SCREWS TYP. SCREWS TYP. @ EA. NEW STUD @ EA. STUD ∽SSMA 362S200-54 └NEW SSMA 362S200-54 METAL STUDS FULL HEIGHT SISTER W/ METAL STUDS EXIST. STUDS W/ #8 S.M. SCREWS @ 16" O.C. @ 12" O.C. STAGGERED - EXIST. METAL STUDS TO REMAIN HUNG ITEM OR CABINET BY 1 STUD SPACE EACH HUNG ITEM OR CABINET BY 1 STUD SPACE EACH END MINIMUM B @ EXISTING STEEL STUDS WALL @ NEW STEEL STUDS WALL TYPICAL BACKING FOR CABINETS AND EQUIPMENT

All rights reserved. No part of this work may be reproduced or copied in any form or by any means, graphic, electronic, or mechanical, including photocopying, recording, taping, or information and retrieval systems without written permission of the ARCHITEC



5151 Shoreham Place, Suite 100 San Diego, Ca 92122

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

#### TCMC **CYTOLOGY**

#### Tri-City Medical Center

4002 Vista Way Oceanside, California 92056

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

ARCHITECT: SFEIR ARCHITECTS 1350 COLUMBIA STREET, SUITE 603 SAN DIEGO, CALIFORNIA 92101 TEL(619)299-3917 FAX(619)299-5084

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

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



S 4609 EXP. 6/30/2019

REV: DESCRIPTION: DATE:

SUN Str□ct□ral Engineering, Inc. Cons ☐ting Str ☐ct ☐ral Engineers 2091 Las Palmas Dr. Suite D Carlsbad, California 92011 Tel: 760-438-1188 www.sunse-inc.com SHPD APPROVAL STAMP:

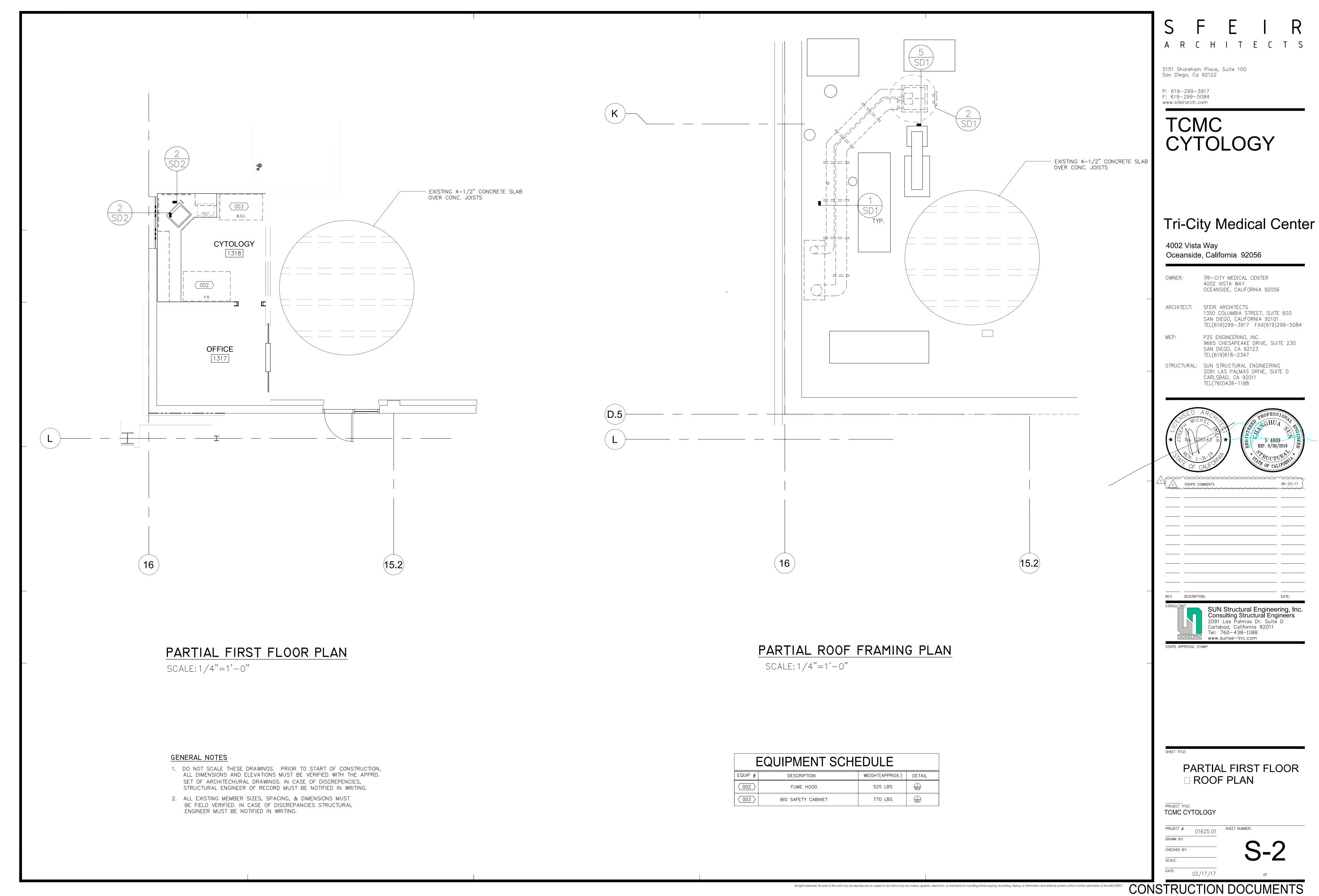
GENERAL NOTES

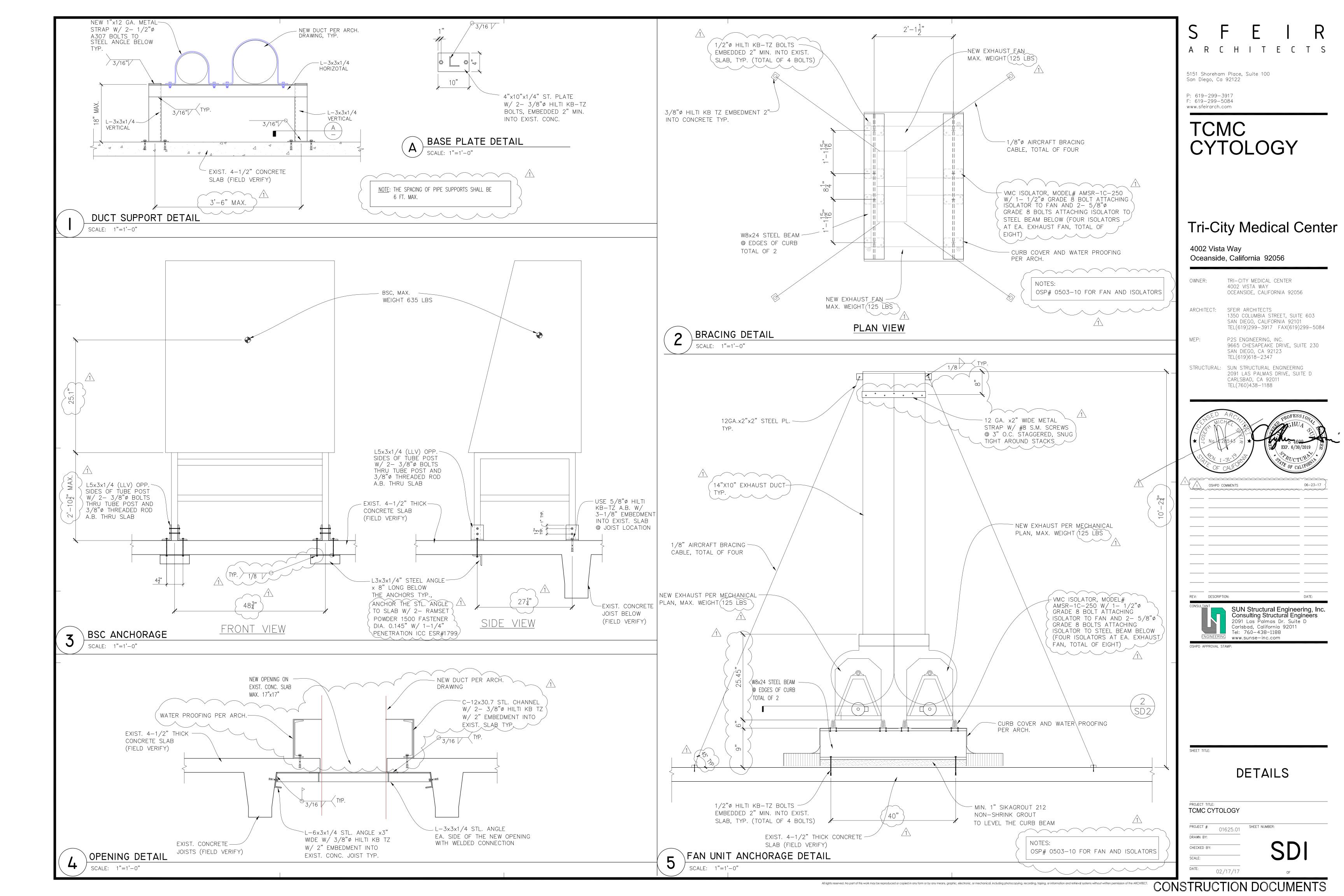
TYPICAL DETAILS

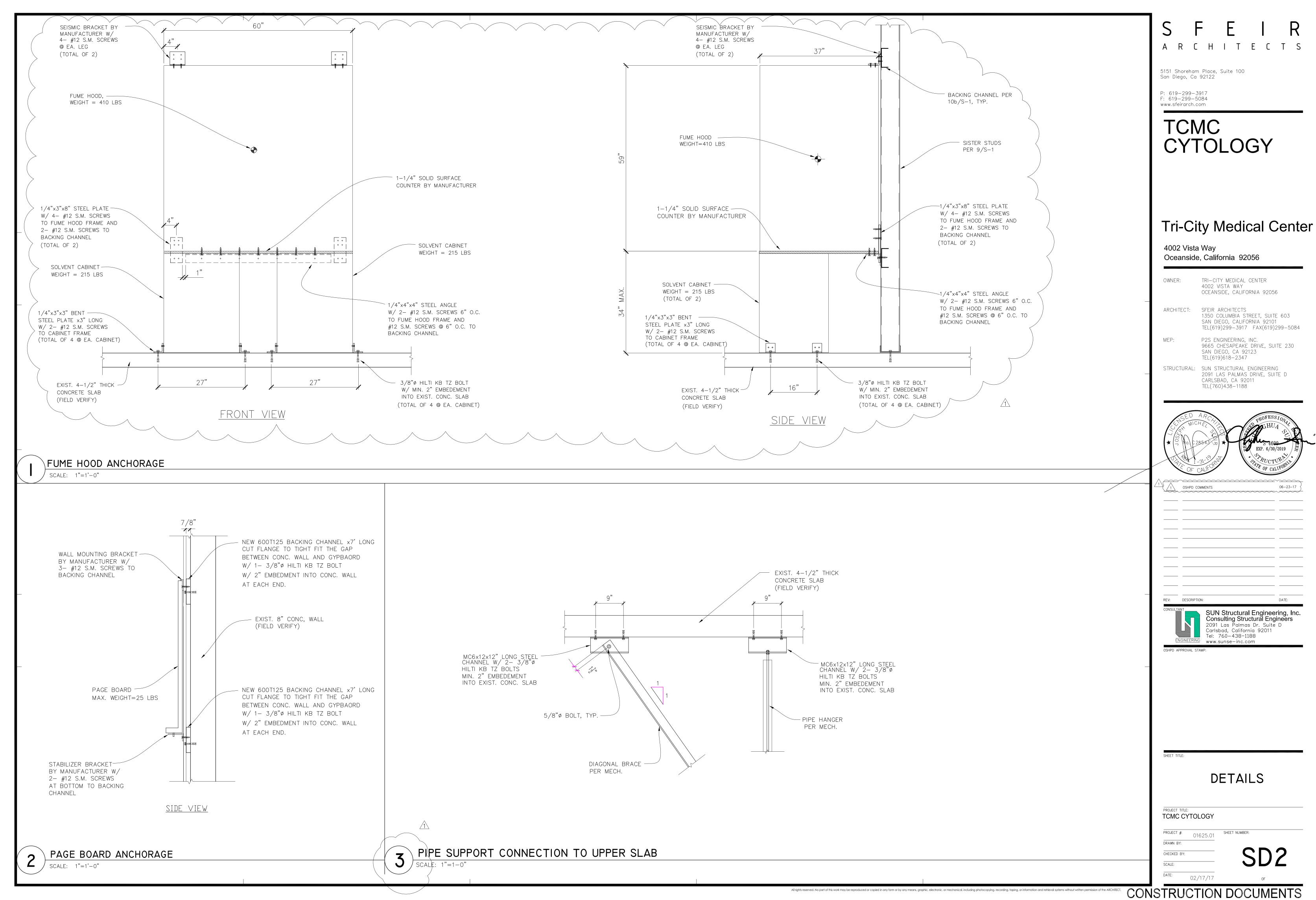
TCMC CYTOLOGY 01625.01 DRAWN BY:

02/17/17

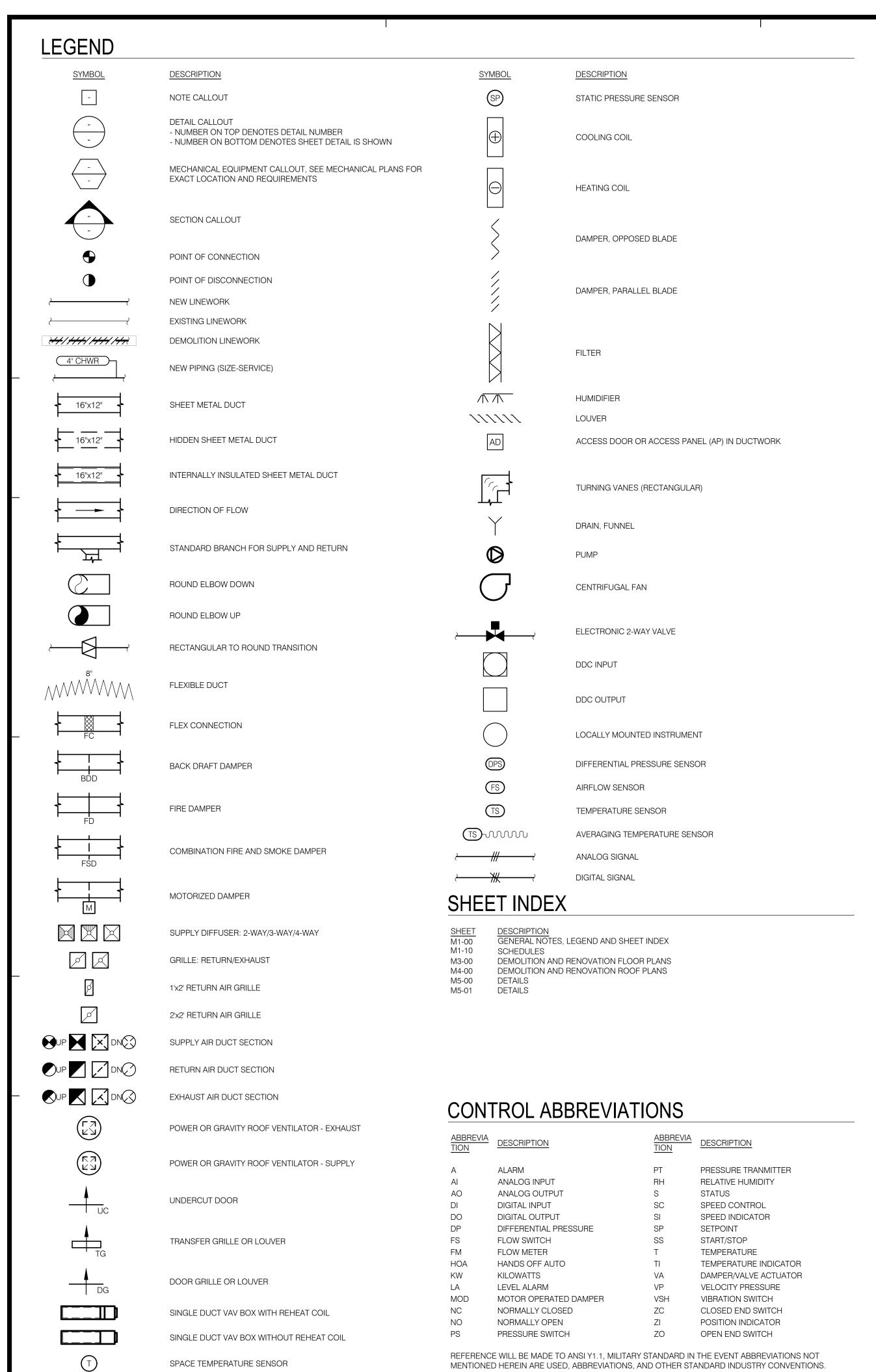
CHECKED BY











PRESSURE SWITCH

SMOKE DETECTOR

#### **ABBREVIATIONS**

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

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.

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

#### **GENERAL NOTES**

- 1. ALL WORK SHALL COMPLY WITH THE 2016 EDITIONS OF THE CALIFORNIA BUILDING, MECHANICAL, PLUMBING, AND OTHER APPLICABLE FEDERAL, STATE, OR LOCAL CODES AS ADOPTED AND ENFORCED BY THE LOCAL JURISDICTION. IN CASE THE PLANS SHOW MORE STRINGENT REQUIREMENTS, THE PLANS SHALL GOVERN THE DESIGN, YET NOTHING ON THE DESIGN DOCUMENTS SHALL BE INTERPRETED AS AUTHORITY TO VIOLATE CODE(S) OR REGULATION(S).
- 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**

SMACNA STANDARDS.

- 4. IN THE EVENT OF A CONFLICT OR INCONSISTENCY BETWEEN ITEMS INDICATED ON DESIGN PLANS / SPECIFICATIONS WITH CODE REQUIREMENTS. THE MORE STRINGENT STANDARD SHALL PREVAIL.
- 5. THIS CONTRACTOR SHALL FURNISH LABOR, MATERIALS, EQUIPMENT, AND TRANSPORTATION AS REQUIRED TO PROPERLY INSTALL ALL NEW HVAC SYSTEMS OR RELATED COMPONENTS AS INDICATED ON PLANS AND SPECIFIED HEREIN.
- 6. ALL NEW EQUIPMENT AND MATERIAL TO BE INSTALLED AS PART OF THIS PROJECT SHALL BEAR AN UNDERWRITERS' LABORATORIES LABEL (UL), AND INSTALLED IN SUCH A MANNER FOR WHICH THEY ARE DESIGNED AND APPROVED.
- 7. THIS CONTRACTOR SHALL DOCUMENT AND RELAY ANY MAJOR DEVIATIONS FROM THE DESIGN DOCUMENTS, AND ATTAIN APPROVAL FROM THE MECHANICAL ENGINEER BEFORE PROCEEDING. AS-BUILT COPIES SHALL BE PROVIDED INDICATING ALL CHANGES / DEVIATIONS MADE DURING CONSTRUCTION.
- 8. ALL WORK SHALL BE PERFORMED IN A CLEAN AND WORKMANLIKE MANNER. CARE SHALL BE EXERCISED TO MINIMIZE ANY INCONVENIENCE OR DISTURBANCE TO OTHER AREAS OF THE BUILDING WHICH ARE TO REMAIN IN OPERATION. ISOLATE WORK AREAS BY MEANS TO KEEP DUST AND DIRT WITHIN THE CONSTRUCTION AREA.
- 9. NO PIPING, EQUIPMENT, ETC. SHALL BE REMOVED, DISCONNECTED OR SHUT DOWN WITHOUT PRIOR REVIEW WITH THE OWNER TO CONFIRM THAT AREAS TO REMAIN IN OPERATION WILL NOT BE AFFECTED. IF ANY AREAS NOT WITHIN THE SCOPE OF WORK ARE AFFECTED BY ANY SHUTDOWN, REMOVAL OR DISCONNECTION, SUFFICIENT ADVANCE NOTICE MUST BE GIVEN TO THE OWNER INDICATING WHICH AREAS WILL BE AFFECTED, WHEN THE PROPOSED SHUTDOWN WILL OCCUR, AND FOR HOW LONG A PERIOD OF TIME.
- 10. THE ARRANGEMENT OF EQUIPMENT AND PIPING SHOWN ON THE DRAWINGS IS BASED UPON INFORMATION AVAILABLE TO THE ENGINEER AT THE TIME OF DESIGN AND IS NOT INTENDED TO SHOW EXACT DIMENSIONS PECULIAR TO A SPECIFIC MANUFACTURER. THE DRAWINGS ARE, IN PART, DIAGRAMMATIC AND SOME FEATURES OF THE ILLUSTRATED EQUIPMENT INSTALLATION MAY REQUIRE REVISION TO MEET ACTUAL EQUIPMENT INSTALLATION REQUIREMENTS. STRUCTURAL SUPPORTS, FOUNDATIONS, CONNECTED PIPING, VALVES AND ELECTRICAL CONDUIT SPECIFIED MAY HAVE TO BE ALTERED TO ACCOMMODATE THE EQUIPMENT PROVIDED. NO ADDITIONAL PAYMENT WILL BE MADE FOR SUCH REVISIONS AND ALTERATIONS.
- 11. THIS CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT THE SITE MAKING FIELD MEASUREMENTS AND SHOP DRAWINGS NECESSARY FOR FABRICATION OR ERECTION OF HVAC SYSTEMS. MAKE ALLOWANCE FOR BEAMS, PIPES AND OTHER OBSTRUCTIONS IN BUILDING CONSTRUCTION. CHECK DRAWINGS SHOWING WORK OF OTHER TRADES AND CONSULT WITH THE OWNER'S REPRESENTATIVE IN THE EVENT OF POTENTIAL INTERFERENCE. SHOP DRAWINGS SHALL BE MINIMUM 1/4"=1'-0" SCALE, INDICATING FITTINGS, SIZES, WELDS AND CONFIGURATIONS AND SUBMITTED TO ENGINEER FOR REVIEW.
- 12. THIS CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER TRADES PRIOR TO FABRICATION, PURCHASE AND/OR INSTALLATION OF ALL WORK.
- 13. BEFORE COMMENCEMENT OF WORK, THIS CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS, ELEVATIONS, AND CHARACTERISTICS OF ALL UTILITIES.
- 14. CONTRACTOR SHALL SECURE AND PAY ALL FEES AND PERMITS PERTAINING TO THE CONTRACT.
- 15. EXISTING MATERIALS THAT ARE REMOVED SHALL NOT BE REUSED IN NEW SYSTEMS, EXCEPT WHERE INDICATED AS BEING RELOCATED.
- 16. ALL EQUIPMENT SHALL BE INSTALLED IN STRICT COMPLIANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS.
- 17. GALVANIZED SHEET METAL SHALL BE PROVIDED FOR ALL HVAC DUCT SYSTEMS, AND CONSTRUCTED / SUPPORTED / INSTALLED IN ACCORDANCE WITH THE 2016 CALIFORNIA MECHANICAL CODE AND THE LATEST
- 18. ALL PIPING SHALL BE INSTALLED AS INDICATED ON THE DRAWINGS IN A NEAT WORKMANSHIP-LIKE MANNER AND BE SUPPORTED AS REQUIRED BY CODES. PIPING SHALL BE SET UP AND DOWN AND OFFSET AS REQUIRED TO SUIT FIELD CONDITIONS. DIELECTRIC COUPLINGS SHALL BE USED WHERE DISSIMILAR METALS ARE JOINED.
- 19. THIS CONTRACTOR SHALL PROVIDE ALL NECESSARY SUPPORTS FOR FIXTURES, DUCTWORK, PIPING, AND MECHANICAL EQUIPMENT, IN ORDER TO COMPLY WITH CALIFORNIA BUILDING CODE, SMACNA INSTALLATION
- STANDARDS, AND ALL RELATED LOCAL ORDINANCES. 20. THIS CONTRACTOR SHALL NOT BORE, NOTCH, CUT, OR PENETRATE INTO A STRUCTURAL MEMBER WITHOUT
- 21. ALL PIPE ELBOWS SHALL BE LONG RADIUS UNLESS OTHERWISE SPECIFICALLY NOTED ON THE DRAWINGS.

WRITTEN APPROVAL FROM A DESIGNATED STRUCTURAL ENGINEER AND THE OWNER.

- 22. ISOLATE AND DRAIN EXISTING PIPING SYSTEM AS REQUIRED TO ACCOMMODATE INSTALLATION OF THE WORK.
- 23. ALL MATERIAL EXPOSED WITHIN RA PLENUMS SHALL BE NON-COMBUSTIBLE OR SHALL HAVE A FLAME SPREAD INDEX NOT GREATER THAN 25 AND SMOKE DEVELOPED INDEX NOT GREATER THAN 50. COMPLY WITH
- 24. 2016 CBC MECHANICAL, ELECTRICAL AND PLUMBING EQUIPMENT ANCHORAGE NOTES:

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 ANOHORED OR BRACED TO MEET THE FORCES AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2016 CBC SECTIONS 1616A.1.17 THROUGH 1616A.1.26 IND ASCE 7-10 

- 1) ALL PERMANENT EQUIPMENT AND COMPONENTS.
- 2) TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
- 3) MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.

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

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

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

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

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-10 SECTION 13.3 AS DEFINED IN ASCE 7-10 13.6.1 TO 13.6.8 AND 2016 CBC SECTIONS 1616A.1.23, 1616A.1.24, 1616A.1.25 AND 1616A.1.26.

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 SYSTEMS.

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

ARCHITECTS

1350 Columbia Street, Suite 603

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

San Diego, Ca 92101

TCMC **CYTOLOGY** 

#### Tri-City Medical Center

4002 Vista Way Oceanside, California 92056

TRI-CITY MEDICAL CENTER 4002 VISTA WAY

OCEANSIDE, CALIFORNIA 92056 ARCHITECT: SFEIR ARCHITECTS

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

CARLSBAD, CA 92011

TEL(760) 438-1188 FAX(760) 438-1188 P2S ENGINEERING, INC. 9655 CHEASEPEAKE DR., SUITE #230 SAN DIEGO, CALIFORNIA 92123

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

1350 COLUMBIA STREET, SUITE 603

SAN DIEGO, CALIFORNIA 92101



P2S Engineering, Inc. 9665 Chesapeake Dr., Suite #230 San Diego, CA 92123

T 619.618.2347 F 619.330.0668 www.p2seng.com

OSHPD APPROVAL STAMP:

REV: DESCRIPTION:

GENERAL NOTES, LEGEND AND SHEET INDE

TCMC CYTOLOGY

01625.01 DRAWN BY:

11/01/16

AIR BALANCE SCHEDULE																							
						COD	E REQUIREMENT	S PER CMC TABLE	4-A					PROPO	OSED DESIGN					ACTUAL 2	2		
ROOM NUMBER	ROOM NAME	ROOM AREA (SF)	CEILING HEIGHT (FT)	ROOM SUPPLY (CFM)	ROOM EXHAUST (CFM)	ROOM RETURN (CFM)	ROOM OUTSIDE (CFM)	ROOM TOTAL AIR CHANGES (AC/HR)	ROOM OUTSIDE AIR (AC/HR)	AIR BALANCE RELATIONSHIP TO ADJACENT AREAS	ROOM EXHAUST (YES/NO)	ROOM SUPPLY (CFM)	ROOM EXHAUST (CFM)	ROOM RETURN (CFM)	ROOM TOTAL AIR CHANGES (AC/HR)	ROOM OUTSIDE AIR (AC/HR)	ROOM EXHAUST (AC/HR)	AIR BALANCE RELATIONSHIP TO ADJACENT AREAS ROOM SUPPLY (CFM)	ROOM EXHAUST (CFM)	ROOM RETURN (CFM)	ROOM TOTAL RC AIR CHANGES OUTS (AC/HR) (AC	ROOM EXHAUST (AC/HR)	REMARKS
1318	CYTOLOGY LAB	133	10	120	133	-	45	6	2	N	YES	700	1325	-	60	31.6	60						1
1317	OFFICE	120	10	120	120	-	60	4	2	NR	NO	145	0	-	7.25	7.25	0						1

1 P = POSITIVE, NR = NO REQUIREMENT FOR CONTINUOUS DIRECTIONAL CONTROL, N = NEGATIVE

2 TO BE COMPLETED BY CONTRACTOR.

EXHAU	ST FAN															
	MANUFACTURER						FAN				N	MOTOR				
MARK	MATINOTAGISTICATI	LOCATION	TYPE	SERVICE	EMERGENCY POWER (Y/N)	AIRFLOW CFM	ESP IN WG.	2 RPM	AP HP	ВНР	VOLTS	PHASE	RPM	2 ENCLOSURE	OPERATING WEIGHT LBS.	REMARKS
EF-1	GREENHECK USF-308-10	ROOF	BELT	FUME HOOD	Y	955	1.25	2585	3/4	0.52	115	1	1725	TEFC	143	
EF-2	GREENHECK USF-306-10	ROOF	BELT	BIO SAFETY CABINET	Y	370	1.25	2445	3/4	0.33	115	1	1725	TEFC	139	
	22			•				<u>&gt;</u> 2		<u></u>		•		2		

1 PROVIDE EXHAUST FAN WITH ADJUSTABLE SHEAVE.

EXIS	TING AIR	HANDLII	NG UNIT																						
								SUPPLY FAN	SUPPLY FAN			RETUI	RN FAN								PRE-F	FILTERS	FINAL FILTERS		
MARK	MANUFACTURER &	TYPE	SERVICE	EMERGENCY POWER	TOTAL CFM	TSP		M	OTOR				MOTOR		AIR S	BIDE	WATER SII	DE	AIR SIDE	WATER SIE				RE	MARKS
	MODEL			(Y/N)	SA '		QTY RPM	HP RPM	VOLTS PHASE	QTY	RPM	HP	VOLTS	PHASE	EAT °F	LAT °F	GPM EWT	LWT EAT °F	LAT °F	GPM EWT	LWT E	EFF	EFF %		
								(EACH)							DB WB	DB WB	¶	°F DB	DB WC	Ψ-	<b>*</b>	%	·		
(E) 10B	PACE 814 BA DWD1	HORIZONTAL	CYTOLOGY & HISTOLOGY	Y	1530		1 2708	40 3500	480 3	1	615	15	480	3	86 67.5	55 54	135 46	60 50	65 0.07	36 180	160 3	30%	99.97	1 2	

1 EXISTING AHU-2 IS EQUIPPED WITH 30% PRE-FILTERS AND 90% FINAL FILTERS.

2 REBALANCE AIR HANDLER CFM TO VALUE INDICATED.

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

1 COORDINATE WITH ARCHITECT.

2 PROVIDE W/ FILLER PANEL.

3 PROVIDE W/ DUCT COLLAR NECK.

НОТ	WATER I	HEAT	ING C	OIL										
MARK	SERVICE	AIRFLOW CFM	MIN HTG MBH	FACE AREA SQ FT	FACE VEL FPM	EAT °F	MAX LAT	MAX PD IN W.C.	NO. OF ROWS	GPM	HOT WATER  EWT  °F	LWT °F	MAX PD FT	REMARKS
HC-1	CYTOLOGY LAB	700	51.4	1.88	635	37	105	0.35	2	3.4	180	150	0.02 -	

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

1350 Columbia Street, Suite 603 San Diego, Ca 92101

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

### TCMC CYTOLOGY

### Tri-City Medical Center

4002 Vista Way Oceanside, California 92056

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

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 DR., STE. D CARLSBAD, CA 92011 TEL(760) 438-1188 FAX(760) 438-1188

TEL(760) 438-1188 FAX(760) 438-11

MEP: P2S ENGINEERING, INC.
9655 CHEASEPEAKE DR., SUITE #230

P2S ENGINEERING, INC. 9655 CHEASEPEAKE DR., SUITE #230 SAN DIEGO, CALIFORNIA 92123 TEL(619) 618–2347 FAX(619) 330–0668



To the second	OF CALFOR	OF CALIFORNICA OF CALIFORNICA	
	OSHPD COMMENTS	06-23-17	)
2	DESIGN CHANGES	06-23-17	)

	_	
	_	
REV:	DESCRIPTION:	DATI
CONSUL	TANT	ngineering, I

CONSULTANT	P2S Engineering, Inc.
025	9665 Chesapeake Dr., Suite #23 San Diego, CA 92123 T 619.618.2347 F 619.330.066
	www.p2seng.com

OSHPD APPROVAL STAMP:

SCHEDULES

PROJECT TITLE:
TCMC CYTOLOGY

PROJECT #: 01625.01

DRAWN BY:

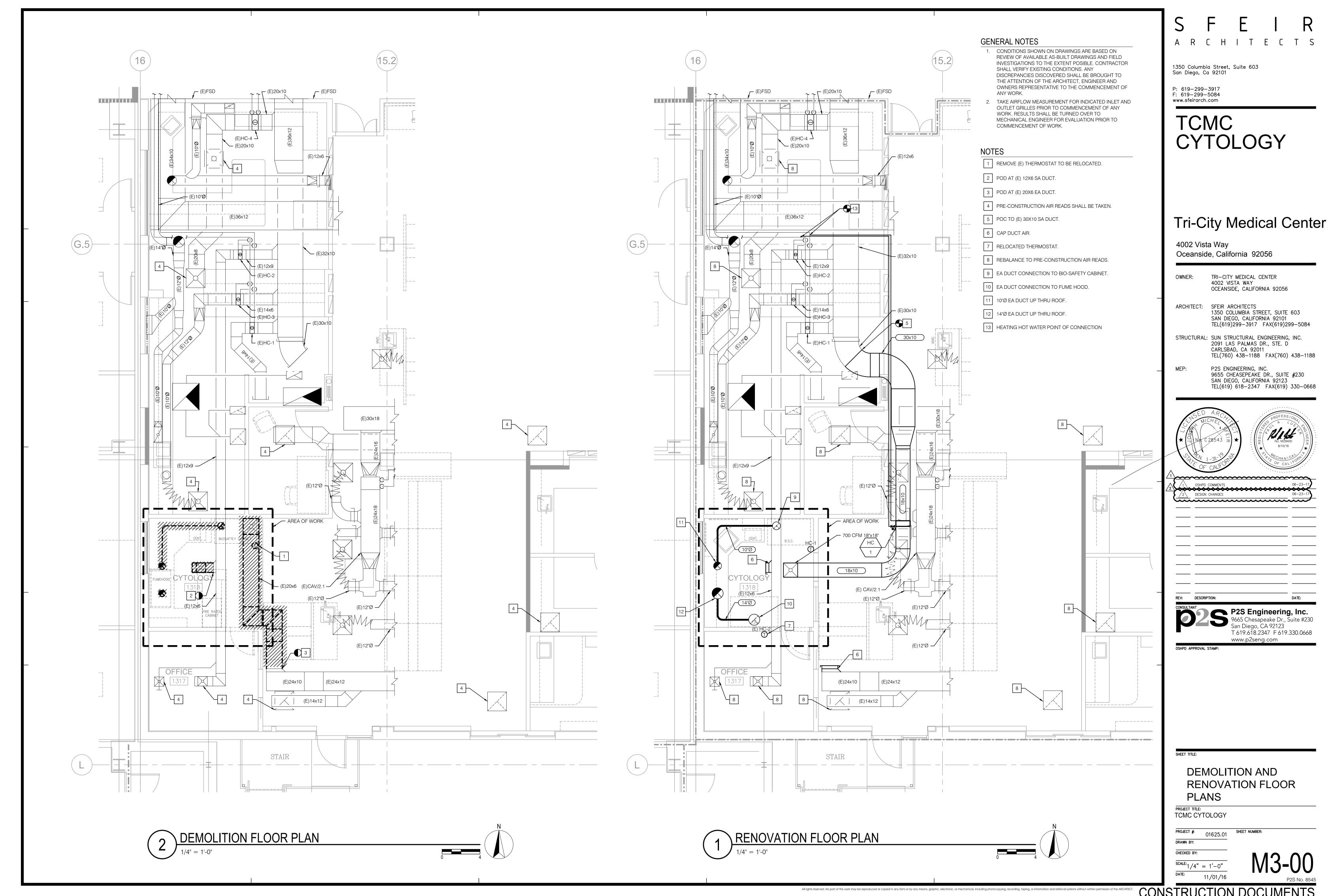
SHEET NUMBER:

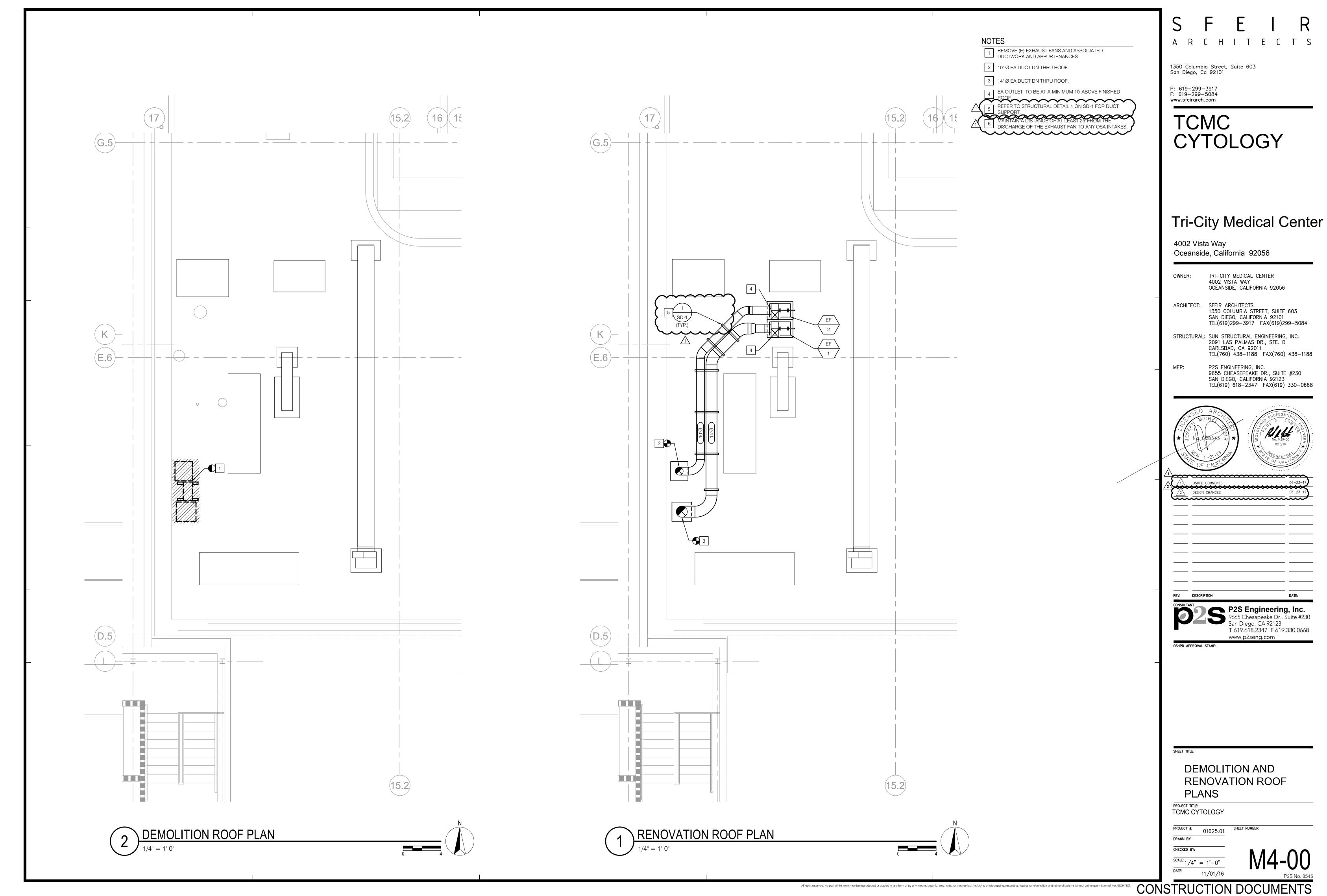
CHECKED BY:

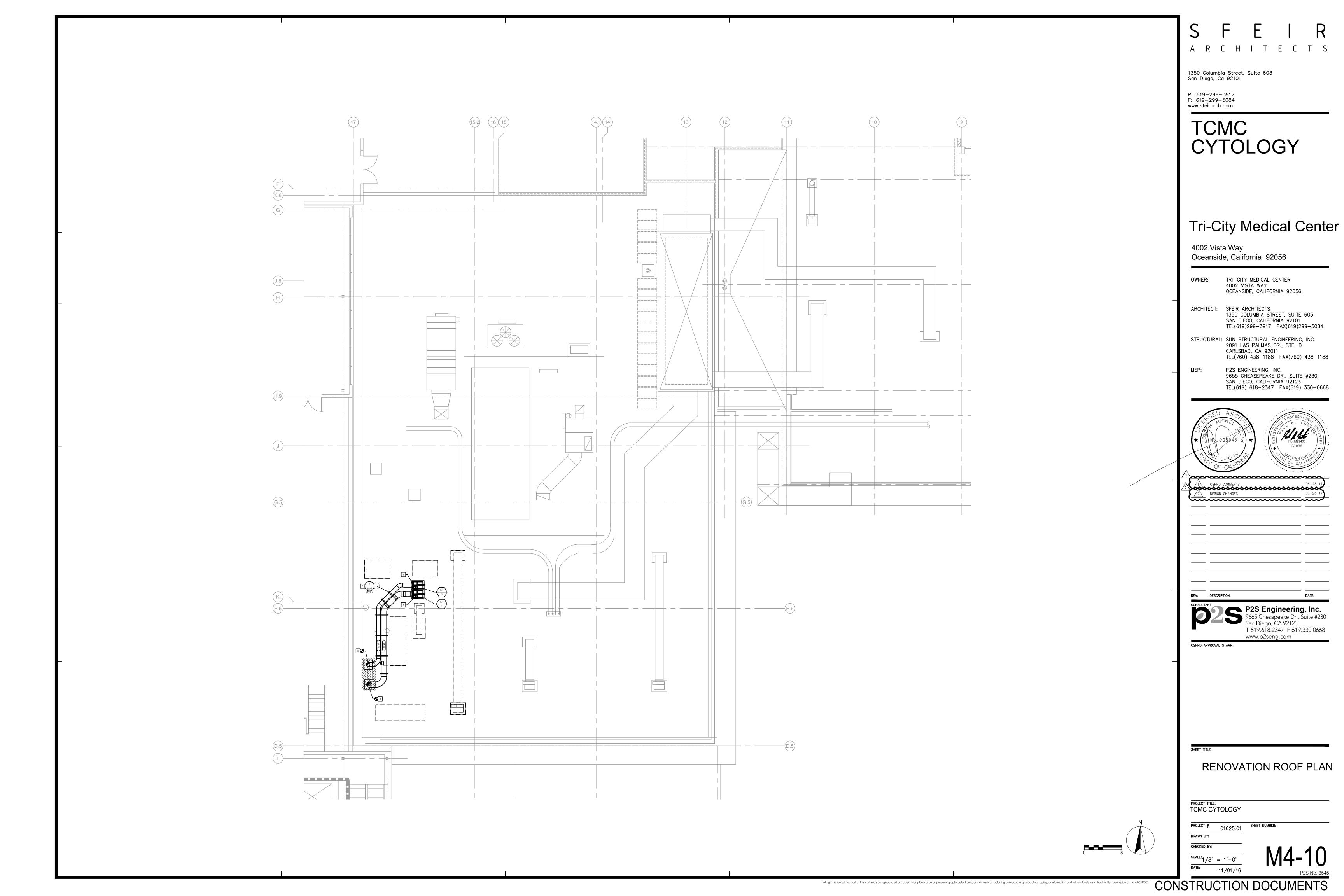
SCALE: NONE

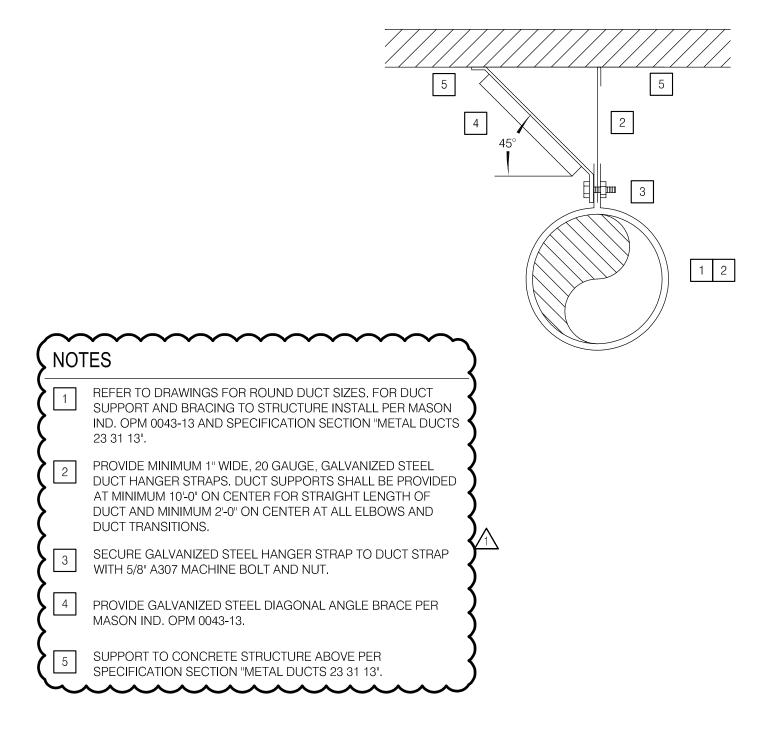
DATE: 11 (01 (4)

P2S No. 854

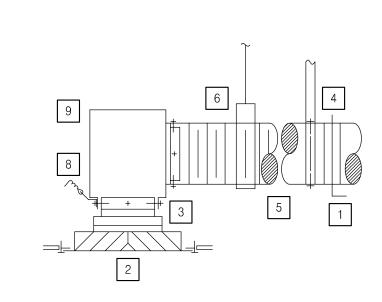


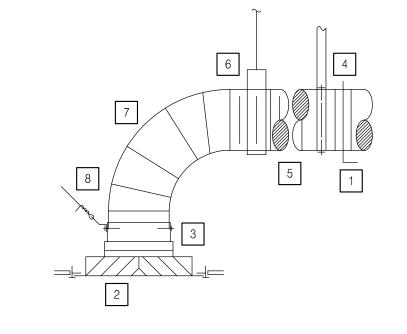






#### ROUND DUCT SUPPORT TO CONCRETE DECK NO SCALE





BRANCH DUCT SIZ	ES: SUPPLY AIR 10	BRANCH DUCT SIZES: RETURN / EXH. AIR							
MAX. CFM	SIZE	MAX. CFM	SIZE						
0-95	6"Ø	0-190	8"Ø						
95-210	8"Ø	190-340	10"Ø						
210-370	10"Ø	340-560	12"Ø						
370-600	12"Ø	560-840	14"Ø						
600-900	14"Ø	840-1190	16"Ø						
900-1290	16"Ø	1190-1610	18"Ø						
1290-1750	18"Ø	1610-2150	20"Ø						
1750-2300	20"Ø	2150-2750	22"Ø						

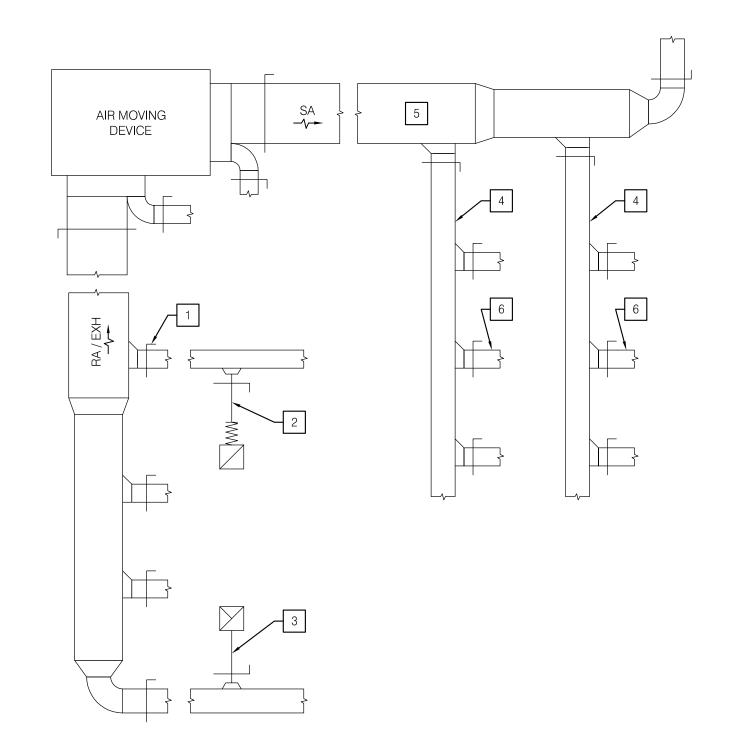
#### NOTES

- PROVIDE MANUAL VOLUME DAMPER NEAR MAIN DUCT CONNECTION. MANUAL VOLUME DAMPER SHALL BE LO CONNECTION. MANUAL VOLUME DAMPER SHALL BE LOCKING QUADRANT TYPE AS MANUFACTURED BY DURO-DYNE SPECLINE ELEVATED DAMPER REGULATOR WITH HEX NUT.
- CEILING DIFFUSER OR GRILLE SUPPORTED ONTO CEILING.

  REFER TO ARCHITECTURAL REFLECTED CEILING BLANKED. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT CEILING TYPES.
- RECTANGULAR OR SQUARE TO ROUND CEILING CAN SECURED TO DIFFUSED MUTULANDING TO THE PROPERTY OF TO DIFFUSER WITH MINIMUM 4, #10 SHEET METAL SCREWS AND SEAL AIRTIGHT WITH CASCOTE DUCT SEALANT. IF REQUIRED, PROVIDE ADDITIONAL GALVANIZED STEEL DUCTWORK TO ALLOW FOR STRAIGHT DUCT RUN DOWN TO CEILING DIFFUSER.
- CONNECT RIGID DUCT WITH MINIMUM 3, #10 SHEET METAL SCREWS AND SEAL WITH CASCOTE DUCT SEALANT. SUPPORT RIGID DUCT TO STRUCTURE ABOVE WITH SHEET METAL STRAPS PER 2001 CMC.
- 5 FLEX DUCT SHALL NOT EXCEED MAXIMUM LENGTH OF 6'-0". FLEX DUCT SHALL BE CASCO SILENTFLEX II.

- PROVIDE 1-1/2" WIDE, 22 GAUGE HANGER STRAP FOR DUCT SUPPORT. CONNECT 12 GAUGE WIRE FOR SUPPORT TO STRUCTURE ABOVE. WIRE SHALL BE USED OF FLEX DUCT
- PROVIDE GALVANIZED STEEL 90° FULL RADIUS ELBOW AND ADDITIONAL STRAIGHT LENGTH OF DUCT (AS REQUIRED) FOR CONNECTION TO DIFFUSER CEILING CAN COLLAR. CONNECT DUCT TO DIFFUSER CEILING CAN WITH MINIMUM 3, #10 SHEET METAL SCREWS AND SEAL AIRTIGHT WITH DUCT SEALANT. CONNECT SHEET METAL ELBOW TO FLEX DUCT. INSULATE DIFFUSER CEILING CAN AND ALL DUCTWORK.
- PROVIDE 1"X3" LONG, 16 GAUGE BENT CLIP SECURED TO DIFFUSER WITH #10 SHEET METAL SCREWS. TWO PER DIFFUSER AT DIAGONAL. SECURE 12 GAUGE WIRE TO STRUCTURE ABOVE.
- ALTERNATE CEILING DIFFUSER CONNECTION AT SHALLOW CEILING SPACE LOCATIONS. PROVIDE GALVANIZED STEEL PLENUM AND INSULATE EXTERIOR. SECURE TO CEILING DIFFUSER WITH MINIMUM FOUR #10 SHEET METAL SCREWS AND SEAL AIR TIGHT WITH CASCOTE DUCT SEALANT.
- 10 UNLESS NOTED OTHERWISE.

**CEILING DIFFUSER CONNECTION** 



- 1 LOCATE EACH MVD AT EACH DUCT TAKE-OFF (TYP).
- 2 RA BRANCH.
- 3 EXH BRANCH.
- 4 SUB-MAIN (2 OR MORE BRANCH MAINS).
- 5 MAIN DUCT.
- 6 BRANCH MAIN (2 OR MORE OUTLETS).

#### GENERAL NOTE

- A. PROVIDE MANUAL VOLUME DAMPER AT EACH MAIN, SUB-MAIN, BRANCH MAIN, AND BRANCH TAKE-OFF. BRANCH DAMPER SHALL NOT SUBSTITUTE FOR OBD AT TERMINAL.
- B. PROVIDE CEILING ACCESS TO ALL DAMPERS. IF DAMPERS ARE INSTALLED IN A LOCATION THAT THEY ARE INACCESSIBLE, PROVIDE REMOTE, MOTORIZED ACTUATOR. (POTTORFF OR

BRANCH DUCT TAKE OFF DETAIL

NOTES

1 MAIN DUCT

2 MANUAL DAMPER

3 TAPERED TAP-IN

5 CONICAL OR BELL MOUTH FITTING

4 BRANCH DUCT SEE FLOOR PLANS FOR SIZE AND ROUTING

O.25 X WIDTH (4" MIN.)

ARCHITECTS

1350 Columbia Street, Suite 603

San Diego, Ca 92101

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

### TCMC CYTOLOGY

### Tri-City Medical Center

4002 Vista Way Oceanside, California 92056

TRI-CITY MEDICAL CENTER 4002 VISTA WAY

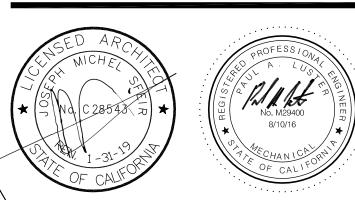
OCEANSIDE, CALIFORNIA 92056 ARCHITECT: SFEIR ARCHITECTS 1350 COLUMBIA STREET, SUITE 603

TEL(619)299-3917 FAX(619)299-5084 STRUCTURAL: SUN STRUCTURAL ENGINEERING, INC.

SAN DIEGO, CALIFORNIA 92101

2091 LAS PALMAS DR., STE. D CARLSBAD, CA 92011 TEL(760) 438-1188 FAX(760) 438-1188

P2S ENGINEERING, INC. 9655 CHEASEPEAKE DR., SUITE #230 SAN DIEGO, CALIFORNIA 92123 TEL(619) 618-2347 FAX(619) 330-0668



REV: DESCRIPTION:

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

OSHPD APPROVAL STAMP:

**DETAILS** 

TCMC CYTOLOGY

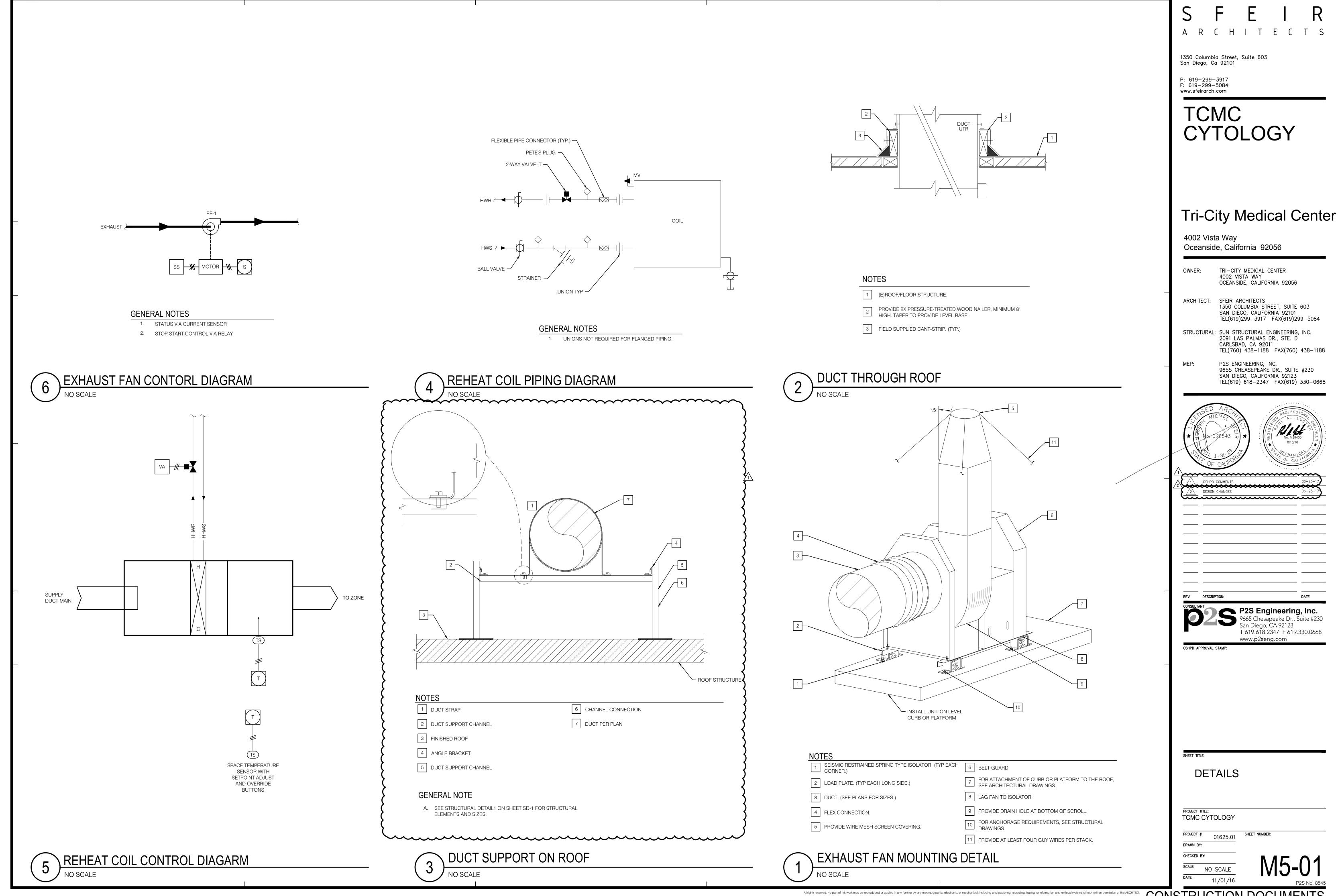
PROJECT #: 01625.01

NO SCALE

CONSTRUCTION DOCUMENTS

11/01/16

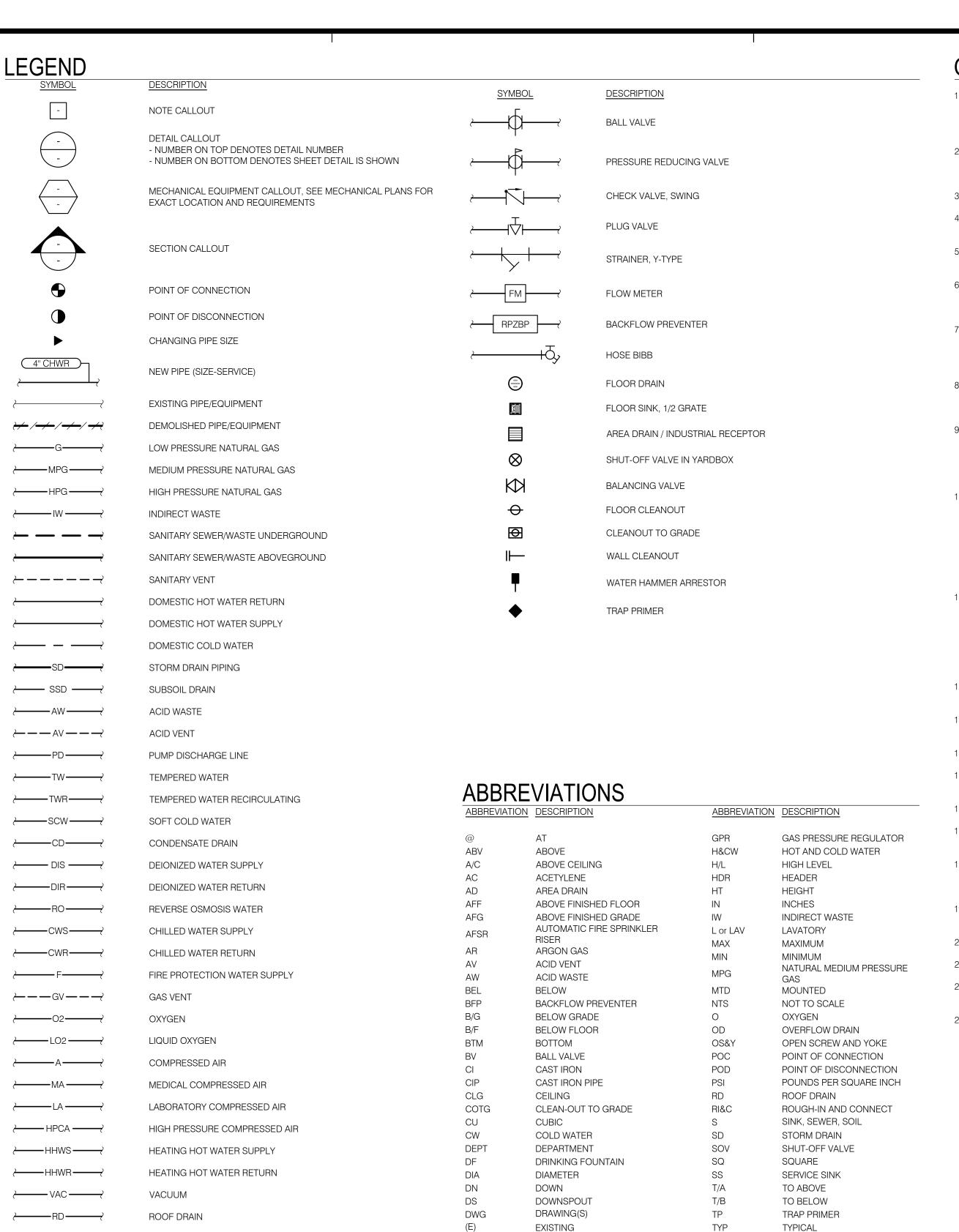
TYP. MANUAL VOLUME DAMPER LOCATION DIAGRAM NO SCALE



ARCHITECTS







**EXIST** 

EQUIP

**EWC** 

F/A

F/B

EXISTING

FIRE

**EQUIPMENT** 

FROM ABOVE

FROM BELOW

FLOOR DRAIN

FORCE MAIN

FLOOR SINK

PRESSURE)

GALLONS

FINISHED FLOOR

NATURAL GAS (LOW

**GALLONS PER MINUTE** 

FLOOR CLEAN-OUT

**ELECTRIC WATER COOLER** 

UG

UON

UR

**VOLT** 

VTR

WC

WCO

WH

WHA

UNDERGROUND

SANITARY VENT

VENT THRU ROOF

WATER CLOSET

WATER HEATER

ABBREVIATIONS NOT MENTIONED HEREIN ARE

USED, ABBREVIATIONS, AND OTHER STANDARD

WALL CLEAN-OUT

URINAL

VOLTAGE

WASTE

REFERENCE WILL BE MADE TO ANSI Y1.1,

MILITARY STANDARD IN THE EVENT

INDUSTRY CONVENTIONS.

WITH

UNLESS OTHERWISE NOTED

WATER HAMMER ARRESTOR

OVERFLOW ROOF DRAIN

MEDICAL VACUUM

SURGICAL VACUUM

NITROGEN

NITROUS OXIDE

CARBON DIOXIDE

DESCRIPTION

VALVE AT RISE

**ELBOW DOWN** 

PIPE TEE DOWN

SOLENOID VALVE

PIPE TEE UP

VALVE AT DROP

LABORATORY VACUUM

NONPOTABLE HOT WATER RETURN

PIPE TEE UP & DOWN OR ELBOW UP

ORD——

<del>∕</del>——IHWR——

}-----N2 -------

<u></u>CO2 — →

<u>SYMBOL</u>

N20 —

**GENERAL NOTES** 

- 1. ALL WORK SHALL COMPLY WITH THE 2016 EDITIONS OF THE CALIFORNIA BUILDING, MECHANICAL, PLUMBING, AND OTHER APPLICABLE FEDERAL, STATE, SPLOCAL CODES AS ADOPTED AND ENFORCED BY THE LOCAL JURISDICTION. IN CASE THE PLANS SHOW MORE STRINGENT REQUIREMENTS. THE PLANS SHALL GOVERN THE DESIGN, YET NOTHING ON THE DESIGN DOCUMENTS SHALL BE INTERPRETED AS AUTHORITY TO VIOLATE CODE(S) OR REGULATION(S).
- 2. SUBMISSION OF BID IN CONNECTION WITH THIS WORK SHALL IMPLY THAT THE BIDDER HAS EXAMINED THE JOB SITE UNDER WHICH THE CONTRACTOR WILL BE OBLIGATED TO OPERATE UNDER THIS CONTRACT. NO EXTRA CHARGE WILL BE ALLOWED FOR FAILURE OF ANY BIDDER TO EXAMINE THE SITE PRIOR TO BID.
- 3. WHERE USED, THE TERM "PROVIDE" SHALL MEAN "FURNISH AND INSTALL".
- 4. IN THE EVENT OF A CONFLICT OR INCONSISTENCY BETWEEN ITEMS INDICATED ON DESIGN PLANS / SPECIFICATIONS WITH CODE REQUIREMENTS, THE MORE STRINGENT STANDARD SHALL PREVAIL.
- 5. CONTRACTOR SHALL FURNISH LABOR, MATERIALS, EQUIPMENT, AND TRANSPORTATION AS REQUIRED TO PROPERLY INSTALL ALL PLUMBING SYSTEMS OR RELATED COMPONENTS AS INDICATED ON PLANS AND SPECIFIED HEREIN.
- 6. ALL NEW EQUIPMENT AND MATERIAL TO BE INSTALLED AS PART OF RENOVATION / NEW CONSTRUCTION SHALL BEAR AN UNDERWRITERS LABORATORIES LABEL (UL), AND INSTALLED IN SUCH A MANNER FOR WHICH THEY ARE DESIGNED AND APPROVED.
- 7. CONTRACTOR SHALL DOCUMENT AND RELAY ANY MAJOR DEVIATIONS FROM THE DESIGN DOCUMENTS, AND ATTAIN APPROVAL FROM THE MECHANICAL ENGINEER BEFORE PROCEEDING, AS-BUILT COPIES SHALL BE PROVIDED INDICATING ALL CHANGES / DEVIATIONS MADE DURING CONSTRUCTION. CONTRACTOR SHALL PROVIDE COMPLETED AS-BUILT DRAWINGS IN THE LATEST VERSION OF AUTOCAD.
- 8. ALL WORK SHALL BE PERFORMED IN A CLEAN AND WORKMANLIKE MANNER. CARE SHALL BE EXERCISED TO MINIMIZE ANY INCONVENIENCE OR DISTURBANCE TO OTHER AREAS OF THE BUILDING WHICH ARE TO REMAIN IN OPERATION. ISOLATE WORK AREAS BY MEANS TO KEEP DUST AND DIRT WITHIN THE CONSTRUCTION AREA.
- 9. NO PIPING, EQUIPMENT, ETC. SHALL BE REMOVED, DISCONNECTED OR SHUT DOWN WITHOUT PRIOR REVIEW WITH THE COLLEGE TO CONFIRM THAT AREAS TO REMAIN IN OPERATION WILL NOT BE  $\,\,$  AFFECTED. IF ANY AREAS NOT WITHIN THE SCOPE OF WORK ARE AFFECTED BY ANY SHUTDOWN, REMOVAL OR DISCONNECTION, SUFFICIENT ADVANCE NOTICE MUST BE GIVEN TO THE COLLEGE INDICATING WHICH AREAS WILL BE AFFECTED, WHEN THE PROPOSED SHUTDOWN WILL OCCUR, AND FOR HOW LONG A PERIOD OF TIME.
- 10. THE ARRANGEMENT OF EQUIPMENT AND PIPING SHOWN ON THE DRAWINGS IS BASED UPON INFORMATION AVAILABLE TO THE ENGINEER AT THE TIME OF DESIGN AND IS NOT INTENDED TO SHOW EXACT DIMENSIONS PECULIAR TO A SPECIFIC MANUFACTURER. THE DRAWINGS ARE, IN PART, DIAGRAMMATIC AND SOME FEATURES OF THE ILLUSTRATED EQUIPMENT INSTALLATION MAY REQUIRE REVISION TO MEET ACTUAL EQUIPMENT INSTALLATION REQUIREMENTS. STRUCTURAL SUPPORTS, FOUNDATIONS, CONNECTED PIPING, VALVES, PIPE SUPPORTS AND ELECTRICAL CONDUIT SPECIFIED MAY HAVE TO BE ALTERED OR ADDITIONAL ITEMS REQUIRED TO ACCOMMODATE THE EQUIPMENT PROVIDED. NO ADDITIONAL PAYMENT WILL BE MADE FOR SUCH REVISIONS, ALTERATIONS AND / OR
- 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
- 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 NOT LESS THAN 25 FEET FROM ANY AIR INTAKE OR VENT SHAFT. COMPLY WITH CPC SECTION 906.
- 18. ALL PIPING SHALL BE INSTALLED AS INDICATED ON THE DRAWINGS IN A NEAT WORKMANSHIP-LIKE MANNER AND BE 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
- 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 HE 016 CBC, SECTIONS 1010. 1.17 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 2016 CBC SECTIONS 1616A.1.23, 1616A.1.24, 1616A.1.25 AND 1616A.1.26.

THE  $\overline{ ext{BRAC}}$ ING 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

- 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.

HANGER AND BRACE LOADS.

**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 2016 CBC CHAPTER 11A AND/OR 11B. HEIGHTS AND LOCATION OF ALL FIXTURES SHALL BE ACCORDING TO CBC 2016 SECTION 1138A. FIXTURE CONTROLS SHALL COMPLY WITH CBC 2016 SECTION 1138A.4.
- 33. ALL VALVES, TRAP PRIMERS, WATER HAMMER ARRESTERS OR OTHER EQUIPMENT SHOWN IN WALLS OR ABOVE NON-ACCESSIBLE CEILINGS SHALL BE INSTALLED BEHIND AN ACCESS PANEL.
- 34. ALL VENT THROUGH ROOF SHALL BE MINIMUM OF 3 FEET VERTICALLY AND 10 FEET HORIZONTALLY FROM ANY AIR CONDITIONING EQUIPMENT FRESH AIR INTAKES.
- 35. VERIFY WITH ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF ALL FLOOR DRAINS, ROOF, OVERFLOW DRAINS AND FLOOR SINKS.
- 36. FIXTURES SHALL BE PROTECTED DURING CONSTRUCTION FROM ANY DAMAGES. REFINISHED FIXTURES WILL NOT BE ACCEPTABLE UNDER ANY CONDITIONS.
- 37. HOSE BIB WITH VACUUM BREAKER SHALL BE PROVIDED UNDER LAVATORY IN EACH PUBLIC RESTROOM.
- 38. INSULATE INDIRECT DRAIN LINES FROM REFRIGERATORS, FREEZERS, ICE MAKER AND ICE BINS WITH MANVILLE AERO-TUBE OR EQUAL TO PREVENT CONDENSATE DRIPS.
- 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
- 50. ALL PLUMBING FIXTURES SHALL BE APPROVED BY OWNER PRIOR TO ORDERING.
- 51. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION OF ALL EXISTING UTILITIES TO WHERE HE IS TO CONNECT PRIOR TO INSTALLATION OF ANY PIPING. EXTEND NEW PIPING IF NECESSARY TO WHERE THE EXISTING IS.
- 52. ALL CONNECTIONS TO EXISTING SERVICES SHALL BE MADE SUCH THAT INTERRUPTION TIME WILL BE AS SHORT AS POSSIBLE. THE CONTRACTOR SHALL GIVE THE OWNER'S REPRESENTATIVE SUFFICIENT NOTICE OF SUCH INTERRUPTION AND THE ACTUAL SHUT DOWN TIME SHALL BE AT A TIME DESIGNATED BY THE OWNER'S REPRESENTATIVE.
- 53. ALL EXISTING PIPING DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED WITH MATERIALS TO MATCH EXISTING BY THE CONTRACTOR.
- 54. PROVIDE AND INSTALL WATER HAMMER ARRESTORS IN THE FOLLOWING LOCATIONS (ONLY NON-FERROUS ARRESTORS MAY BE INSTALLED IN ANY WATER SYSTEM):
  - A. WATER LINES TO LAVATORY HEADERS, WATER CLOSET AND URINAL HEADERS, SERVICE SINKS, KITCHEN SINKS WASH FOUNTAINS, DRINKING FOUNTAINS, LABORATORIES WITH MEDICAL TYPE FAUCETS AND ON WASH SINKS HAVING 3 OR MORE STATIONS AND ALL OTHER QUICK CLOSING FIXTURE SUCH AS CLOTHES WASHERS, AS
  - B. BETWEEN LAST 2 FIXTURES WHEN 3 OR MORE FIXTURES, OTHER THAN THOSE LISTED IN "A" ABOVE, ARE SERVED BY A COMMON HEADER.
  - C. WHEN ARRESTOR SHALL BE INSTALLED IN WALL OR FURRING, FURNISH WITH AN ACCESS PLATE LARGE ENOUGH TO PERMIT REMOVAL OF ARRESTOR. ACCESS PLATE SHALL BE A MINIMUM OF 2 INCHES LARGER IN EACH DIRECTION THAN ARRESTOR.
- 55. ALL PIPING INTO STEM WALLS AND FOOTINGS SHALL BE DOUBLE HALF LAP WRAPPED WITH 1/8" THICK "ARMAFLEX" INSULATION. THE CONTRACTOR SHALL ALSO PROVIDE BLOCKED OUT AREAS IN STEM WALL AND FOOTING. ALL PIPING
- SHALL AVOID THE LOWER 8" OF THE FOOTING.
- 56. ALL HOT WATER PIPING SHALL BE INSULATED. INSULATION SHALL HAVE A FLAME SPREAD OF NOT MORE THAN 25 AND A SMOKE DENSITY NOT EXCEEDING 50 PER 2016 CMC SEC. 1201.2. SEE SPECIFICATION FOR OTHER REQUIREMENTS. 57. ALL CONNECTIONS TO SITE PIPING SHALL BE DONE BY THE PLUMBING CONTRACTOR
- 58. CLEANOUTS SHALL BE PROVIDED PER 2016 CPC SECTION 707.0 & 719.0 AND TO THE FOLLOWING LOCATIONS:
- A. AT EACH BASE OF ROOF DRAIN DÓWNSPOUTS
- B. AT EACH BASE OF WASTE STACK.
- C. AT EVERY 100 FT OF STRAIGHT RUN OF HORIZONTAL PIPING.
- D. AT EACH AGGREGATE HORIZONTAL CHANGE IN DIRECTION EXCEEDING ONE HUNDRED THIRTY-FIVE (135)
- E. AT EACH HORIZONTAL DRAINAGE PIPE UPPER TERMINAL
- F. ABOVE EACH URINAL
- G. BELOW EACH SINK.
- 59. PROVIDE SEDIMENT TRAP AS CLOSE AS POSSIBLE TO ALL GAS APPLIANCES AND GAS FIRED EQUIPMENTS INLET EXCEPT FOR APPLIANCES LISTED PER 2016 CPC SECTION 1211.8. SEE SEDIMENT TRAP INSTALLATION PER 2016 CPC FIGURE
- 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

P3-00

P5-00

GENERAL NOTES, LEGEND AND SHEET INDEX P1-10 SCHEDULES AND CALCULATIONS

DEMOLITION AND RENOVATION FLOOR PLANS DETAILS

1350 Columbia Street, Suite 603 San Diego, Ca 92101

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

TCMC CYTOLOGY

#### Tri-City Medical Center

4002 Vista Way Oceanside, California 92056

OWNER: TRI-CITY MEDICAL CENTER 4002 VISTA WAY

ARCHITECT: SFEIR ARCHITECTS 1350 COLUMBIA STREET, SUITE 603 SAN DIEGO, CALIFORNIA 92101

OCEANSIDE, CALIFORNIA 92056

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

STRUCTURAL: SUN STRUCTURAL ENGINEERING, INC. 2091 LAS PALMAS DR., STE. D CARLSBAD, CA 92011

TEL(760) 438-1188 FAX(760) 438-1188 P2S ENGINEERING, INC.

9655 CHEASEPEAKE DR., SUITE #230 SAN DIEGO, CALIFORNIA 92123 TEL(619) 618-2347 FAX(619) 330-0668



DESIGN CHANGES \_\_\_\_\_

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

OSHPD APPROVAL STAMP

GENERAL NOTES. LEGEND AND SHEET INDE

TCMC CYTOLOGY

01625.01 DRAWN BY: CHECKED BY:

NONE

11/01/16

		FIXT	 [U
		SYMBOL	
		S-1	
		MED	
		SYMBOL	_
		MG-1	W
		MED	) (G
		SYMBOL	
		ZVB-1	VAC
		MATI	 EF
		1. SANIT	ITARY
		PIPE:	INGS:
		JOINT	
		PIPE:	
		JOINT 3. MEDIO	ITS:
		PIPE:	
		4. CATH	HODI
		5. ACID PIPE:	) WAS
		FITTIN	
_			
_			

#### **IRES** ROUGH-IN SI□E FI□TURE DESCRIPTION / REMARKS W V CW HW JUST #SL-2225 A-GR, STAINLESS STEEL SINGLE COMPARTMENT SELF RIMMING SINK, WITH SLOAN OPTIMA ETF-700 120V FAUCET 2.2 GPM LAMINAR FLOW, UNDERCOUNTER MIXING VALVE, SINK 2" | 1-1/2" | 1/2" | 1/2" 1005 RIGID SUPPLYS AND STORS GRID STRAINER CHROME PLATED 17CA L.A PATTERN CAST BRASS P-TRAP. SUPPLY SLOAN OPTIMA FAUCET WITH 120 V EMERGENCY POWER.

#### GAS OUTLET SCHEDULE

	EUIPMENT			NU	MBER O	F OUTI	ETS			
SYMBOL	CONNECTION TYPE	O2	MA	MV	SLIDE	N20	N2	CO2	WAGD	DESCRIPTION / REMARKS
MG-1	WALL OUTLET	-	-	1	-	-	-	-	-	CHEMETRON 500

#### GAS EQUIPMENT SCHEDULE

SYMBOL	DESCRIPTION	REMARKS
	CHEMETRON 77-81-0003 MEDICAL GAS SHUT-OFF VALVE AND WALL ACCESS PANEL FOR 3/4" VACUUM. MOUNT TOP OF PANEL AT 5'-0".	

#### RIALS

Y SEWER, VENT AND STORM DRAIN ABOVE GRADE: SERVICE WEIGHT CAST IRON PER ASTM A-74, ASTM A-88, CISPI 301 : NO HUB CAST IRON PER ASTM A-888. 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. BOVE GRADE: TYPE L HARD DRAWN COPPER, ASTM B88. : WROUGHT COPPER, ANSI B16.22

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

GASSES AND VACUUM: TYPE L COPPER, NFPA 99.

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

IC PROTECTION:

ER SLAB METAL PIPING OF ANY KIND IS TO BE SLEEVED IN PLASTIC. NO DIRECT BURY IS ALLOWED FOR METAL PIPING. STE PIPING:

POLYPROPYLENE.

NO HUB.

ARCHITECTS

1350 Columbia Street, Suite 603 San Diego, Ca 92101

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

# TCMC CYTOLOGY

#### Tri-City Medical Center

4002 Vista Way Oceanside, California 92056

TRI-CITY MEDICAL CENTER 4002 VISTA WAY

ARCHITECT: SFEIR ARCHITECTS

1350 COLUMBIA STREET, SUITE 603 SAN DIEGO, CALIFORNIA 92101 TEL(619)299-3917 FAX(619)299-5084

OCEANSIDE, CALIFORNIA 92056

STRUCTURAL: SUN STRUCTURAL ENGINEERING, INC. 2091 LAS PALMAS DR., STE. D CARLSBAD, CA 92011 TEL(760) 438-1188 FAX(760) 438-1188

P2S ENGINEERING, INC. 9655 CHEASEPEAKE DR., SUITE #230 SAN DIEGO, CALIFORNIA 92123 TEL(619) 618-2347 FAX(619) 330-0668





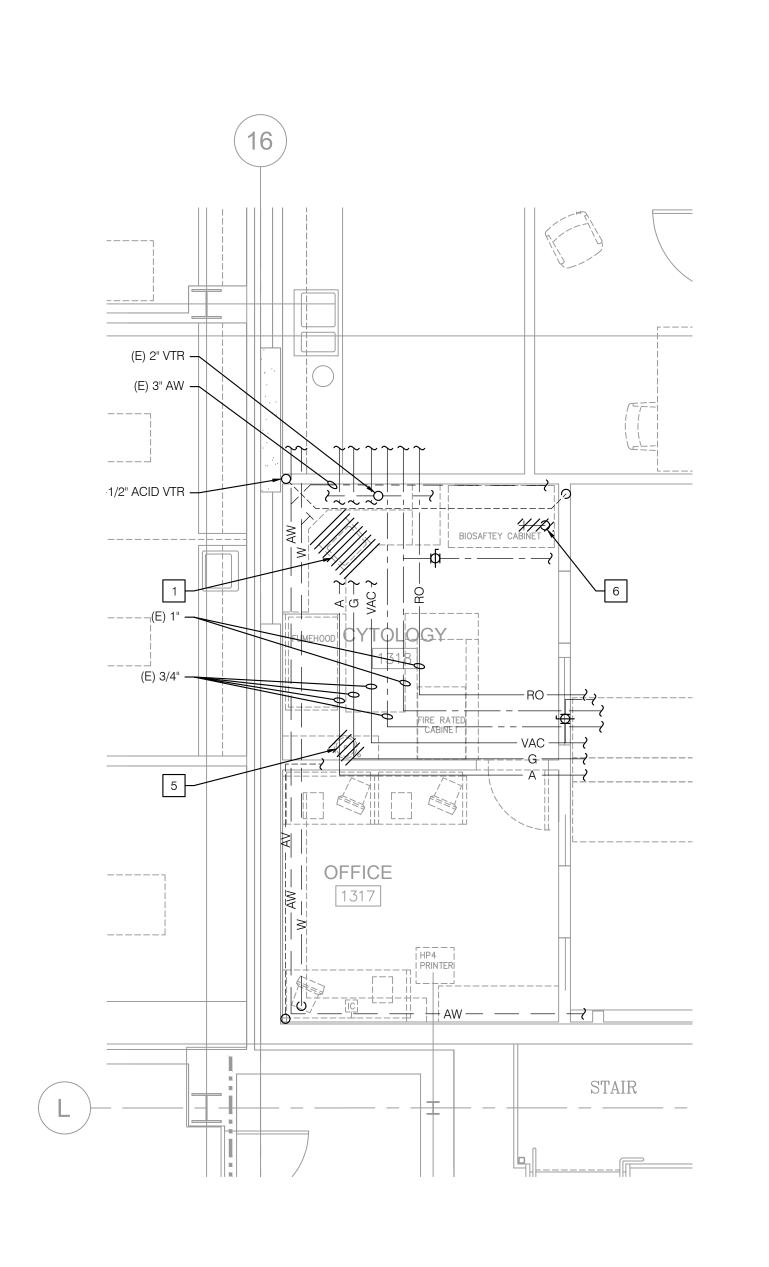


OSHPD APPROVAL STAMP:

SCHEDULES AND

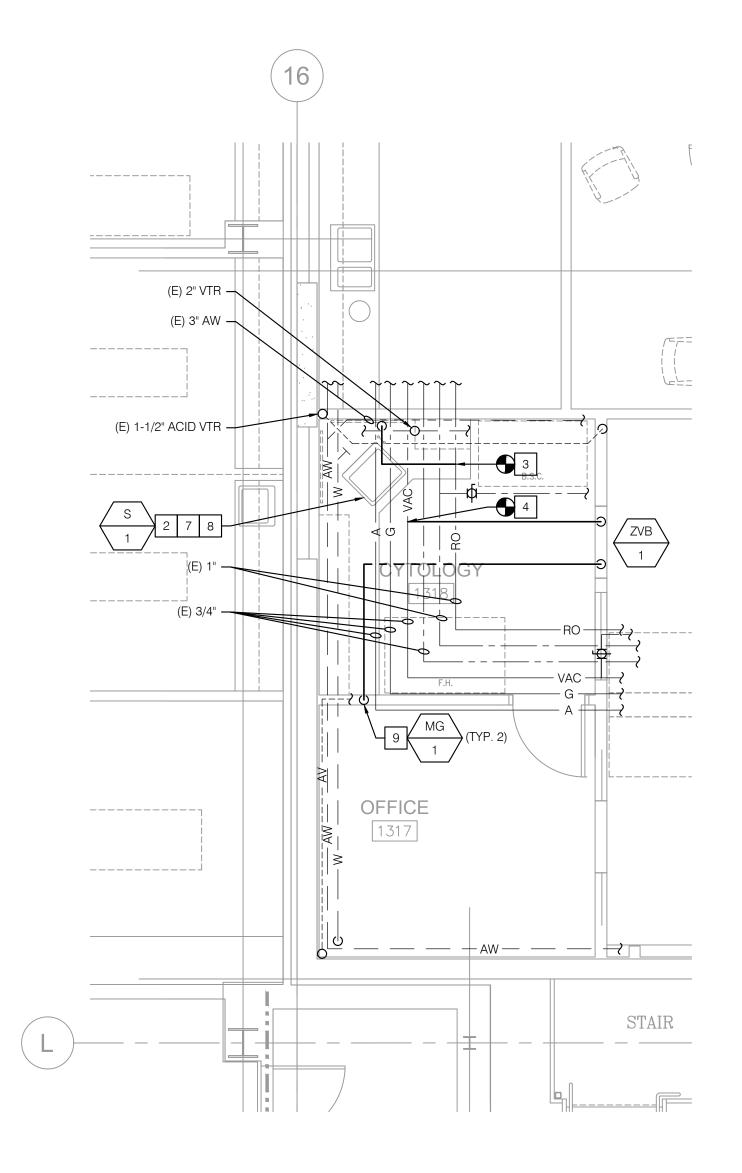
**CALCULATIONS** 

PROJECT TITLE:
TCMC CYTOLOGY



DEMOLITION FLOOR PLAN

1/4" = 1'-0"



NOTES

1 REMOVE (E) SINK AND ITS ASSOCIATED PIPING AND APPURTENANCES.

2 ROUTE 3/4" CW, 3/4" HW, 1-1/2" AV, AND 2" AW TO SINK.

FEMOVE (E) SINK AND ITS ASSOCIATED PIPING AND APPURTENANCES. CAP (E) DW LINES AND WASTE AND

7 PROVIDE RO/DI WATER GOOSENECK FAUCET AT SINK.

9 RUN VACUUM LINE TO WALL OUTLET ABOVE COUNTER AND ONE OUTLET IN FUME HOOD.

8 PROVIDE SWIVEL EMERGENCY EYEWASH AT SINK.

REMOVE (E) VAC OUTLET IN (E) BIO-SAFETY CABINET. CAP LINE AT FLOOR.

3 POC FOR 3/4" RO/DI WATER.

4 POC FOR 3/4" VAC.

VENT LINES.

RENOVATION FLOOR PLAN

1/4" = 1'-0"

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

1350 Columbia Street, Suite 603 San Diego, Ca 92101

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

TCMC CYTOLOGY

### Tri-City Medical Center

4002 Vista Way Oceanside, California 92056

OWNER: TRI-CITY MEDICAL CENTER 4002 VISTA WAY

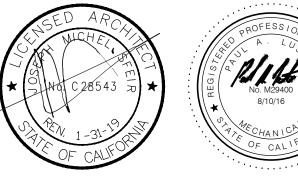
OCEANSIDE, CALIFORNIA 92056

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 DR., STE. D CARLSBAD, CA 92011

CARLSBAD, CA 92011 TEL(760) 438-1188 FAX(760) 438-1188

P2S ENGINEERING, INC. 9655 CHEASEPEAKE DR., SUITE #230 SAN DIEGO, CALIFORNIA 92123 TEL(619) 618–2347 FAX(619) 330–0668



OSHPD COMMENTS

DESIGN CHANGES

DESCRIPTION:

P2S Engineer

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

OSHPD APPROVAL STAMP:

SHEET TITLE:

DEMOLITION AND RENOVATION FLOOR PLANS

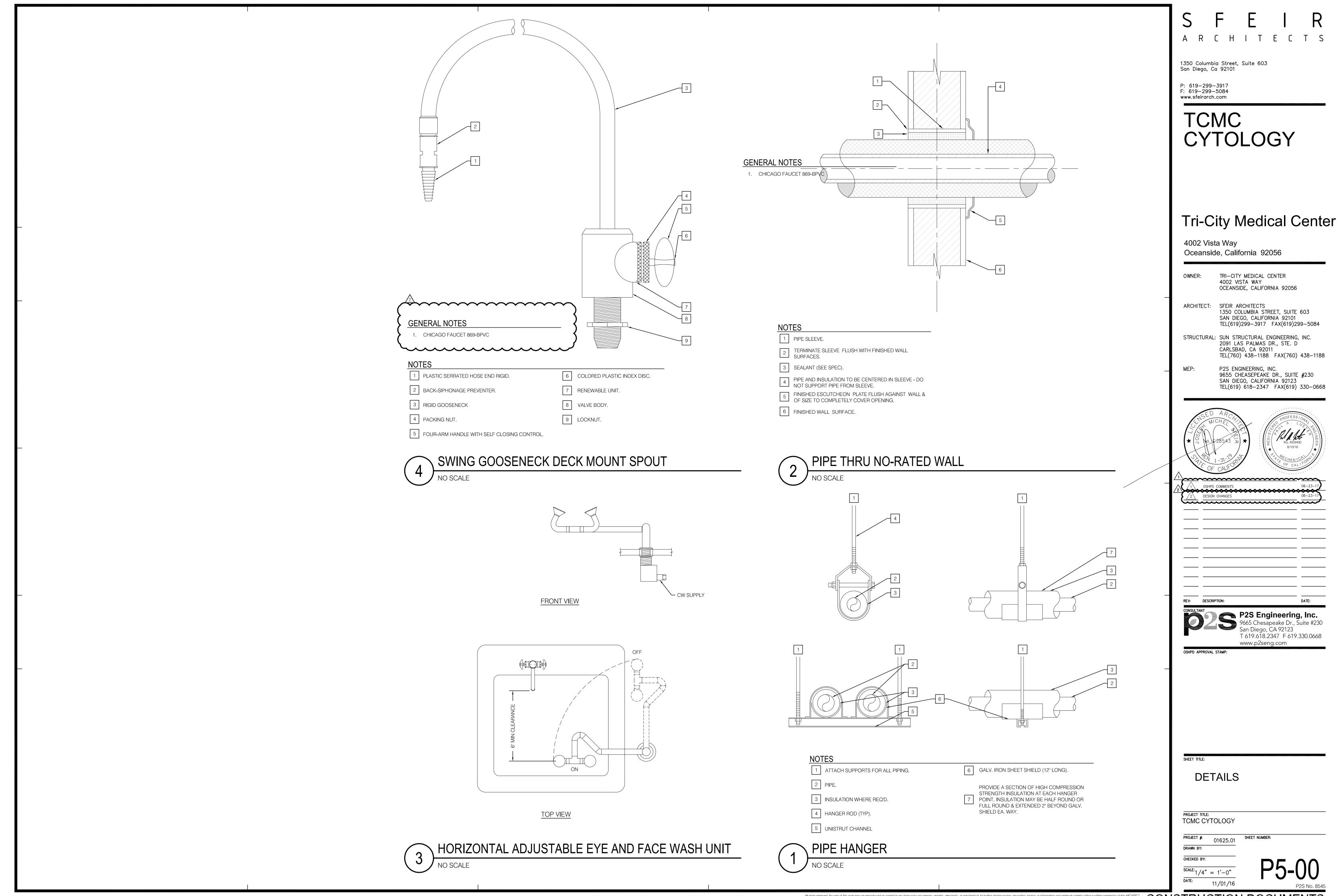
PROJECT TITLE:
TCMC CYTOLOGY

PROJECT #: 01625.01 SHEET NU

CHECKED BY:

SCALE: 1/4" = 1'-

P3-00



LEGEND		ABBRE	EVIATIONS		
SYMBOL	DESCRIPTION		N DESCRIPTION	ABBREVIATION	DESCRIPTION
<u> </u>	NOTE CALLOUT	1/C	SINGLE CONDUCTOR	KVA	KILOVOLT-AMPERES
	THE TE STREET	& @	AND AT	KW LF	KILOWATT LINEAR FEET
-	MECHANICAL EQUIPMENT CALLOUT, SEE MECHANICAL PLANS FOR EXACT LOCATION AND REQUIREMENTS	A OR AMP ABV	AMPERES ABOVE	LIS LOC.	LOAD INTERRUPTER SWITCH LOCATION
	LIGHTING FIXTURE CALLOUT, SEE FIXTURE SCHEDULE:	A.C. AFF	ASPHALT CONCRETE ABOVE FINISHED FLOOR	LTG LV	LIGHTING LOW VOLTAGE
-	- LETTER DENOTES FIXTURE TYPE - NUMBER DENOTES FIXTURE VOLT/AMPS	AFG AIC	ABOVE FINISH GRADE  AMPERE INTERRUPTING CAPACITY	MAX MCC	MAXIMUM MOTOR CONTROL CENTER
<i>&gt;</i>	NEW LINEWORK	AL APPROX.	ALUMINUM APPROXIMATE	MCP MFGR	MOTOR CIRCUIT PROTECTOR MANUFACTURER
· · · · · · · · · · · · · · · · · · ·	EXISTING LINEWORK	ARCH. ATC	ARCHITECT; ARCHITECTURAL AIR TERMINAL CHAMBER	MH MI.	MANHOLE MECHANICAL INTERLOCK
		ATS AUTO	AUTOMATIC TRANSFER SWITCH AUTOMATIC	MRCT MTD	MULTI-RATIO CURRENT TRANSFORMER MOUNTED
<del>(</del>	CONDUIT CONCEALED IN WALL OR ABOVE CEILING	AUX AWG	AUXILIARY AMERICAN WIRE GAUGE	MTG MV	MOUNTING MEDIUM VOLTAGE
<del></del>	CONDUIT EXPOSED	BAT BEL	BATTERY BELOW	N NAC	NORTH NOTIFICATION APPLIANCE CIRCUIT
<b>← − − →</b>	CONDUIT CONCEALED UNDERGROUND OR BELOW FLOOR	BKBD BKR	BACKBOARD BREAKER	NC NEC	NORMALLY CLOSED  NATIONAL ELECTRICAL CODE
⊱——	CONDUIT CAPPED	BLDG B.S.	BUILDING BARE STRANDED	NF NIC	NON-FUSED  NOT IN CONTRACT
<u>A-1</u> ►	BRANCH CIRCUIT HOMERUN TO PANELBOARD AND CIRCUITS AS INDICATED	C CB	CONDUIT CIRCUIT BREAKER	NL NO.	NIGHT LIGHT- 24HRS ON NUMBER
	3/4" CONDUIT, TICK MARKS INDICATE QUANTITY OF #12 AWG WIRES	CC CKT	CONSTANT CURRENT CIRCUIT	OC OD	ON CENTER OUTSIDE DIAMETER
<del>}                                    </del>	(UNLESS NOTED OTHERWISE, NO MARKS INDICATES 2#12 & 1#12 GND WIRES)	CL CLG	CENTER LINE CEILING	OE OFC	OVERHEAD ELECTRICAL OIL FUSED CUTOUT
( )	- SMALL MARK DENOTES HOT WIRE - LARGE MARK DENOTES NEUTRAL WIRE - DIAGONAL DENOTES GROUND WIRE	CMU C.O.	CONCRETE MASONRY UNIT CONDUIT ONLY WITH PULL WIRE	OH OL	OVERHEAD OIL LEVER SWITCH
م	- DIAGONAL DENOTES GNOOND WINE	COL CP	COLUMN COMMUNICATION PROCESSOR	P PB	POLE PULL BOX
	CIRCUIT BREAKER	CPT CR	CONTROL POWER TRANSFORMER CONTROL RELAY	PC PCB	PHOTOCELL POLYCHLORINATED BIPHENYL
° 🎤	2-WAY SWITCH	CSU CSFD	CALIFORNIA STATE UNIVERSITY  COMBINATION SMOKE FIRE DAMPER	PDS PF	PRESSURE DIFFERENTIAL SWITCH POWER FACTOR
<u> </u>	TRANSFORMER	CT CW CU	CURRENT TRANSFORMER COLD WATER COPPER	PH OR Ø PILC PIV	PHASE PAPER INSULATED, LEAD COVER POST INDICATING VALVE
~~~		DIAG DL	DIAGRAM DAMP LOCATION LISTING	PL PNL	PLATE PANEL
÷	GROUND CONNECTION	DM DP	DIGITAL METER DISTRIBUTION PANEL	POC PRI.	POINT OF CONNECTION PRIMARY
마	FUSED DISCONNECT SWITCH	DIST. DWG	DISTANCE DRAWING	PVC PWR	POLY-VINYL CHLORIDE POWER
	2X4 FLUORESCENT LIGHT FIXTURE	DWP EA	DEPARTMENT OF WATER & POWER EACH	REC/RECEPT REQ'D	RECEPTACLE REQUIRED
	2X4 LED LIGHT FIXTURE. (CONNECT TO EMERGENCY GENERATOR)	ELEC. EMH	ELECTRICAL ELECTRICAL MANHOLE	RGS RPBP	RIGID GALVANIZED STEEL REDUCED PRESSURE BACK FLOW PREVENTER
		EMT EPO	ELECTRICAL METALLIC TUBING EMERGENCY POWER OFF	RM SCE	ROOM SOUTHERN CALIFORNIA EDISON
<b>©</b>	JUNCTION BOX	EPR EQUIP	ETHYLENE PROPYLENE RUBBER EQUIPMENT	SF SHT	SQUARE FEET SHEET
Ş	SINGLE POLE SWITCH, DEVICE SHALL BE MOUNTED $+48$ " MAX AND $+36$ " MIN FROM THE CENTER OF DEVICE:	EXIST/(E) EXP	EXISTING TO REMAIN EXPLOSION PROOF	SIG. SP	SIGNAL SPARE
§ <sup>™</sup>	SWITCH MOTOR RATED	FA FFE	FIRE ALARM FINISHED FLOOR ELEVATION	SPECS ST	SPECIFICATIONS STREET
Φ	DUPLEX - WALL +18" A.F.F.	FIN. FIP.	FINISH FIELD INTERFACE PANEL	STD SW	STANDARD SWITCH
		FIXT FLA	FIXTURE FULL LOAD AMPS	SWBD SWGR	SWITCHBOARD SWITCHGEAR
<b>\P</b>	QUAD - WALL +18" A.F.F.	FLR FLUOR	FLOOR FLUORESCENT	SWST TB	SWITCHING STATION TERMINAL BLOCK
$\Phi$	DUPLEX - WALL +18" A.F.F. (CONNECT TO EMERGENCY GENERATOR)	FT FACP	FEET FIRE ALARM CONTROL PANEL	TEL./TELE TMH	TELEPHONE TELEPHONE MANHOLE
Φ	JUNCTION BOX - WALL	FATC FO	FIRE ALARM TERMINAL CABINET FIBER OBTIC	T.O.D. T.O.M.	TOP OF DUCTBANK TOP OF MANHOLE
_	PANELBOARD, 120/208V - RECESSED	FTG GFI GFR	FOOTING  GROUND FAULT INTERRUPTER  GROUND FAULT BELAY	•	TWISTED SHIELDED PAIR TRANSFORMER TAMBER SMITCH
_	PANELBOARD, 120/208V - SURFACE	GFR GG GND	GROUND FAULT RELAY GREEN GROUND GROUND	TS TYP UG	TAMPER SWITCH TYPICAL UNDERGROUND
	PANELBOARD, 277/480V - SURFACE	HOA HP	HAND-OFF-AUTOMATIC HORSEPOWER	UON V	UNLESS OTHERWISE NOTED VOLTS
T	PROVIDE BACKBOX AND 1/2" CONDUIT TO CORRESPONDING HVAC UNIT.	HT HTR	HEIGHT HEATER	VA VB	VOLT-AMPERES VIBRATION SWITCH
_	·	HZ IE	HERTZ INVERT ELEVATION	VFD W	VARIABLE FREQUENCY DRIVE WATTS
$oldsymbol{\Lambda}$	VOICE/DATA OUTLET- FLUSH WALL MOUNTED OUTLET BOX WITH 1"C.O. STUBBED 6" INTO ACCESSIBLE CEILING SPACE.	ISC INCAND	SHORT CIRCUIT CURRENT INCADESCENT	W/ W/O	WITH WITHOUT
Y	VOICE - FLUSH WALL MOUNTED OUTLET BOX WITH 1"C.O. STUBBED 6" INTO ACCESSIBLE CEILING SPACE.	JB KCMIL	JUNCTION BOX THOUSAND CIRCULAR MILS	WP Z	WEATHERPROOF IMPEDANCE
₽	DUPLEX RECEPTACLE, WALL MOUNTED @ +18" A.F.F. OR AS NOTED. (CONNECT TO EMERGENCY GENERATOR)	KV	KILOVOLT	(ER) (ERR)	EXISTING TO BE REMOVED EXISTING TO TO BE REMOVED, RELOCATED AND
H <b>(D</b> ( <b>(</b> ))	FOURPLEX RECEPTACLE, WALL MOUNTED @ 6" ABOVE COUNTER		ABBREVIATIONS NOT MENTIONED HEREIN ARE BBREVIATIONS, AND OTHER STANDARD INDUSTI	USED, REFEREN	
нШ	OR SPLASH. (CONNECT TO EMERGENCY GENERATOR)  GROUND FAULT CIRCUIT INTERRUPTER - MOUNTED +6" ABOVE				
н <b>Ш</b>	COUNTER OR SPLASH.  DUPLEX, GFCI - TYPE RECEPTACLE, WALL MOUNTED @ 6" ABOVE				
•ш	COUNTÉR OR SPLASH. HOSPITAL GRADE. (CONNECT TO EMERGENCY GENERATOR)				
НШШ	FOURPLEX, GFCI - TYPE RECEPTACLE, WALL MOUNTED $ extit{@}$ 6" ABOVE COUNTER OR SPLASH.				
Н	FOURPLEX, GFCI - TYPE RECEPTACLE, WALL MOUNTED @ 6" ABOVE COUNTER OR SPLASH. HOSPITAL GRADE. (CONNECT TO EMERGENCY				
Ħ	DUPLEX, GFCI - TYPE RECEPTACLE, WALL MOUNTED $@+18$ " A.F.F. OR AS NOTED. (CONNECT TO EMERGENCY GENERATOR)				
[OOFD]	FIRE SMOKE DAMPER ON DUCT IN CEILING SPACE PROVIDE 120V				

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.

CSFD

#### **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 AND CIRCUIT TRACE AS NEEDED FOR ALL EXISTING CONDITIONS NOTIFY THE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.
- 2. THE OWNER RESERVES THE RIGHT TO SALVAGE ANY DEMO ITEM. VERIFY ITEMS TO BE SALVAGED WITH THE OWNER PRIOR TO THE START OF DEMOLITION. REMOVE, PROTECT, AND TURN OVER SUCH ITEMS BY DIRECTED BY THE OWNER.
- 3. ALL EXISTING ELECTRICAL, LIGHTING, TELEPHONE, DATA, AND PUBLIC ADDRESS CONDUIT AND WIRING SHALL REMAIN EXCEPT WHERE INDICATED OTHERWISE ON THESE PLANS. RECONNECT EXISTING OUTLETS, DEVICES AND CIRCUITS IN ADJACENT SPACES DISRUPTED BY REMOVAL OF EXISTING OUTLETS, DEVICES OR CIRCUITS IN THIS CONTRACT.
- 4. PROTECT ALL EXISTING CONDUIT, WIRE AND SIGNAL SYSTEMS CABLES PASSING THRU REMODEL AREAS THAT SERVE ADJACENT AREAS.
- 5. WHERE NEW WALL OR CEILING OR OTHER CONSTRUCTION WILL COVER EXISTING OUTLETS, EQUIPMENT OR DEVICES MAKING THEM INACCESSIBLE, RELOCATE THE EXISTING OUTLET, EQUIPMENT OR DEVICE AS REQUIRED OR MAKE OTHER PROVISIONS TO PROVIDE ACCESS.
- 6. RECONNECT EXISTING OUTLETS, LIGHTS, ETC. THAT ARE TO REMAIN THAT ARE DISRUPTED BY REMOVAL OF OTHER EXISTING OUTLETS IN THE CONDUIT RUN AS REQUIRED TO PROVIDE CONTINUITY OF THE CIRCUITS.
- 7. REMOVE ALL EXISTING CONDUITS IN CEILING SPACES FOR SYSTEMS, EQUIPMENT AND DEVICES OR OUTLETS BEING REMOVED THAT ARE NOT BEING REUSED AND ALL ABANDONED EXISTING CONDUITS. REMOVE ALL EXISTING CONDUITS IN WALLS OR FLOORS FOR DEVICES BEING REMOVED THAT INTERFERE WITH NEW CONSTRUCTION. REMOVE WIRE FROM ABANDONED CONDUITS.
- 8. REMOVE ALL ABANDONED SIGNAL SYSTEM CABLES IN CEILING SPACE.
- 9. THE WORD "ELECTRICAL" USED IN THE CONTEXT OF THESE DEMOLITION PLANS INCLUDES LIGHTING, ELECTRICAL DEVICES & EQUIPMENT, AND ALL SIGNAL SYSTEMS.
- 10. REFER TO LIGHTING, POWER & SIGNAL PLANS FOR ADDITIONAL EXISTING ELECTRICAL TO REMAIN.
- 11. WHERE EXISTING DEVICES OR EQUIPMENT ARE INDICATED TO BE REMOVED IN WALLS THAT ARE TO REMAIN, ALSO REMOVE OUTLET BOX OR BACKBOX AND PATCH WALL FINISH TO MATCH SURROUNDING AREA.
- 12. WHERE EXISTING OUTLETS ARE REMOVED AND THE EXISTING CIRCUIT IS NOT SERVING REMAINING OUTLETS. REMOVE EXISTNG WIRE AND CONDUIT BACK TO THE SERVING PANELBOARD AND UPDATE THE PANELBOARD CIRCUIT DIRECTORY INDICATING "SPARE" FOR ALL UNUSED CIRCUIT BREAKERS.

#### **GENERAL NOTES**

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

2015 IFC AND 2016 CALIFORNIA AMENDMENTS (2016 CALIFORNIA FIRE CODE - PART 9, TITLE 24, CCR)

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

. 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 PENETRATIONS 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. 

#### SHEET INDEX

	SHEET	DESCRIPTION
	E1-00	GENERAL NOTES, LEGEND AND ABBEVIATIONS
	E1-01	DIAGRAMS AND SCHEDULES
	E2-00	OVERALL FLOOR PLAN
	E3-00	DEMOLITION POWER AND LIGHTING PLANS
	E3-10	RENOVATION POWER AND LIGHTING PLANS
	E4-00	DEMOLITION ROOF PLAN
<u> </u>	E4-10	RENOVATION ROOF PLAN
٠ ٧		

 $^{\wedge}$ ARCHITE

> 1350 Columbia Street, Suite 603 San Diego, Ca 92101

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

# TCMC

#### Tri-City Medical Center

4002 Vista Way Oceanside, California 92056

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

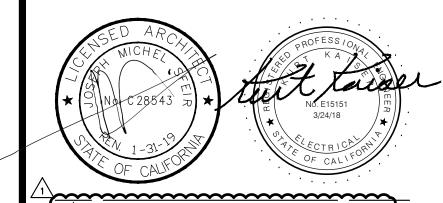
ARCHITECT: SFEIR ARCHITECTS 1350 COLUMBIA STREET, SUITE 603 SAN DIEGO, CALIFORNIA 92101

STRUCTURAL: SUN STRUCTURAL ENGINEERING, INC. 2091 LAS PALMAS DR., STE. D

CARLSBAD, CA 92011 TEL(760) 438-1188 FAX(760) 438-1188 P2S ENGINEERING, INC.

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

9655 CHEASEPEAKE DR., SUITE #230 SAN DIEGO, CALIFORNIA 92123 TEL(619) 618-2347 FAX(619) 330-0668



DESIGN CHANGES 

DESCRIPTION:	DATE:
LTANT	P2S Engineering, Inc.
125	9665 Chesapeake Dr., Suite #2 San Diego, CA 92123

www.p2seng.com

T 619.618.2347 F 619.330.0668

OSHPD APPROVAL STAMP:

GENERAL NOTES, LEGND AND **ABBREVIATIONS** 

TCMC CYTOLOGY

#### LUMINAIRE SCHEDULE MTG. TYPE DESCRIPTION /OLTAGE REMARKS V-A NO. V-A TYPE RECESSED T-BAR MOUNTED 2' X 4' 4800 LUMEN 3500K LED WITH PRISMATIC 40 LED UNV R NOTES 1, 2 40 LITHONIA #2TL4 48L FW A19 EZ1 LP835 3'-0" SOLID FRONT SURFACE MOUNTED UNDER CABINET LIGHT WITH 3500K LED WITH FROSTED ACRYLIC LENS AND ROCKER SWITCH. WILLIAMS 21 LED UNV S NOTES 1, 3 #1SF-3-L18/835-AF12125-WRS/120-DRV-UNV 2'-0" SOLID FRONT SURFACE MOUNTED UNDER CABINET LIGHT WITH 3500K LED WITH FROSTED ACRYLIC LENS AND ROCKER SWITCH. WILLIAMS 14 LED UNV S NOTES 1, 3 #1SF-2-L12/835-AF12125-WRS/120-DRV-UNV **GENERAL NOTES:** ABBREVIATIONS: ALL LED LUMINAIRES SHALL BE PROVIDED WITH 3500K COLOR TEMPERATURE LAMPS (UNLESS P = PENDANT1. OTHERWISE NOTED) AND ELECTRONIC DRIVER AS SPECIFIED. R = RECESSEDS = SURFACEW = WALLPO = POLE KEY NOTES:

PROVIDE COMPLETE WITH ALL MOUNTING HARDWARE REQUIRED FOR A COMPLETE

2. REFER TO ARCHITECTURAL PLANS FOR CEILING TYPE.

TOTAL PANEL = 17,326 VA @ 208V, 3Ø = 48 AMPS

3. SURFACE MOUNT FIXTURE TO UNDERSIDE OF CASEWORK.

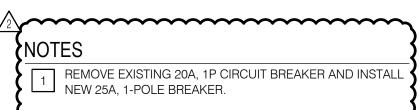
1. INSTALLATION.

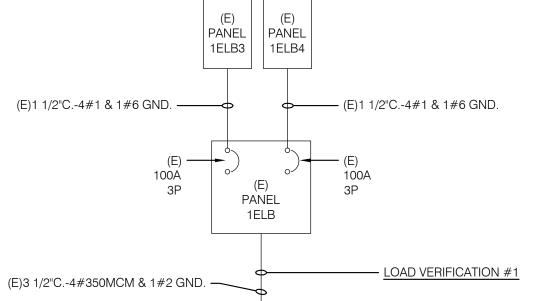
(E)PANEL:	11	,		CRIT	TICAL B	RANC														
LOCATION	3				VC	DLTA	GE/ PH	ASE:	208Y/	120V,	3Ø,4W		FED FROM: PANEL 1ELB							
FLOOR							BUS A									RA	ATING	: 10KAIC		
MOUNTING	RECES	SED	)					MAIN	BREA	KER :	L.O.									
	SEE	*	OUTLE		VC	DLT-AME	PS .		BKR/		BKR/		V	OLT-AN	/IPS	C	OUTLET:	S *	SEE	
LOADS	NOTE		LTG REC	MISC	Α	В	С	акт	POLE	ABC	POLE	СКТ	Α	В	С	LTG	REC	VISC	NOT	LOADS
(E)BLOOD LAB NORTH ISLAND BENCH					360			1	20/1	*	20/1	2	500							(E)BLOOD LAB NORTH WALI
(E)BLOOD LAB NORTH ISLAND BENCH						360		3	20/1	-*-	20/1	4		500						(E)BLOOD LAB NORTH WALI
(E)BLOOD LAB NORTH ISLAND BENCH							500	5	20/1	*	20/1	6			900					(E)BLOOD LAB NORTH WALI
(E)BLOOD LAB NORTH ISLAND BENCH					360			7	20/1	*	20/1	8	500							(E)BLOOD LAB NORTH WALI
(E)BLOOD LAB NORTH ISLAND BENCH						500		9	20/1	-*-	20/1	10		900						(E)BLOOD LAB COLUMN
(E)BLOOD LAB NORTH ISLAND BENCH							540	11	20/1	*	20/1	12			500					SPARE
(E)BLOOD LAB NORTH ISLAND BENCH					500			13	20/1	*	20/1	14	1,590							(E)LAB EAST LIGHTS
(E)BLOOD LAB NORTH ISLAND BENCH						500		15	20/1	-*-	15/2	16		500						(E)BLOOD LAB COLUMN
(E)BLOOD LAB ŒNTER ISLAND BENCH							540	17	20/1	*	-	18			500					
(E)BLOOD LAB ŒNTER ISLAND BENCH					1,200			19	20/1	*	20/1	20	136			5			1	LTG-CYTOLOGY 1318
(E)BLOOD LAB ŒNTER ISLAND BENCH						1,200		21	20/1	- * -	20/1	22		360			1		1	REC-CYTOLOGY 1318
(E)BLOOD LAB ŒNTER ISLAND BENCH							500	23	20/1	*	20/1	24			360		1		1	REC-CYTOLOGY 1318
(E)BLOOD LAB ŒNTER ISLAND BENCH					720			25	20/1	*	20/1	26	360				1		1	REC-CYTOLOGY 1318
(E)BLOOD LAB ŒNTER ISLAND BENCH						900		27	20/1	-*-		28								SPACE
(E)BLOOD LAB ŒNTER ISLAND BENCH							500	29	20/1	*		30								SPACE
(E)BLOOD LAB ŒNTER ISLAND BENCH					540			31	20/1	*		32								SPACE
SPACE								33		-*-		34								SPACE
SPACE								35		*		36								SPACE
SPACE								37		*		38								SPACE
SPACE								39		_*_		40								SPACE
SPACE								41		*		42								SPACE
TOTAL ØA : TOTAL ØB : TOTAL ØC :	= 5,720	VC	DLT-AMPS		56.38 47.67 40.33	AMPS					PROV	ENOTE	ROUIT	BREAK	TINUOU (ER INDI ATCH EX	CATE	D IN AV	AILABI	LE SPA	Œ.

(E)PANEL:						VC					120V,	3Ø,4W							MCC MC							
MOUNTING:		∕IŒ EM	ICCR	BUS AMPS: 100A MAIN BREAKER: 100A							RATING: 10K AIC															
LOADS	SEE NOTE		DUTLETS REC M		/OLT-AM	PS C	QCT	BKR/ POLE	1	BKR	1		OLT-AMI	es C		LETS EC MISC	*	SEE NOTE				LOA	De			
(E)CONTROLS	NOIL	LIC	I RECIVI	IJC A			1	1		15/1	1				LIGIN		1	NOIL				LOA	<u> </u>			(E)EF-
(E)CONTROLS							3	20/1	ŧ	·•			180			1		2						WF	P. ROC	
(E)CSFD'S CORR, BATH							<u></u>	20/1	ş	~ <del>{</del>	·}															SPARE
(E)CSFD'S CORR, BATH							7	20/1	<del> </del>	- <del></del>	·}												(E)AF	 1-10 F		2T/LTS
(E)REHEAT COILS -LAB							9	20/1	ŧ	<u> </u>	1										(E),	AH-10				MPERS
(E)CSDFS							11	20/1	<del></del>	· <del>-</del>	· <del></del>				İ							••••••				- EAST
(E)W.P. ROOF RECEPTS - SOUTH							13	20/1	<del></del>	~ <del>{</del> ~~~~~	1															OFFICE
(E)EF-6							15	·•			·										Œ	)CSF				RIDOF
SPACE						_	17	· [ · · · · · · · · · · · · · · · · · ·	†	1	·															E)AH-31
(E)EF-2							19	1	<u> </u>	-	20															
							_21	<u> </u>	_*-	<b>-</b>	22															
FF-0140 (3/4HP)	1			1		1,656	23	25/1	<b></b> *	<u> </u>	24															SPAŒ
EF-0860 (3/4HP)	_ 1_ 1			1 1,656			25	25/1	*		26														į	SPAŒ
RECCYTOLOGY 1318 FUME HOOD	1			1	900			20/1			28														7	SPAŒ
REC-CYTOLOGY 1318 BIO SAFE HOOD	1			1		900	29	20/1	*		30											***************************************			7	SPAŒ
							31		* <u></u>		32															
							33		-*-		34															
							35		*		36															
							37		*		38															
							39		- *-		40															
							41		*		42															
										NOTE	·c.															
TOTAL ØA =	1.656	VOLT-A	MPS	13	8 AMPS				,			ES LON	GCONT	INLIOUS	SLOAD											
TOTAL ØB =					9 AMPS										CATED IN	I AVAILA	BLE	SPAC	Ξ.							
TOTAL ØC=	2,556	VOLT-#	MPS	21.	3 AMPS								TO MAT													
									2.	EXIST	ING S	SPARE (	TILOSE	BREAK	ERTOB	EUTILIZE	ED.									
TOTAL DANIEL -	5.000		0001/ 0/	~ - 11																						
TOTAL PANEL =	5,292	VA @	208V, 39	o = 1	AMPS																					

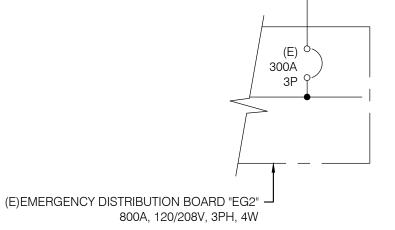
#### SHEET NOTES

- 1. ALL NEW FEEDER CONDUCTORS SHALL BE CONTINUOUS WITH NO
- 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.
- 4. IF THIS PROJECT WILL BE CONSTRUCTED IN MULTIPLE PHASES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE THEIR WORK WITH THE ARCHITECTURAL PHASING PLANS AND ALL OTHER TRADES AND INSTALL IN SUCH A WAY THAT IT DOES NOT AFFECT THE
- ADJOINING OCCUPIED SPACES AND MEETS ALL OF THE REQUIREMENTS OF CONTRACT DOCUMENTS AND SPECIFICATIONS AS PART OF THE BASE BID.

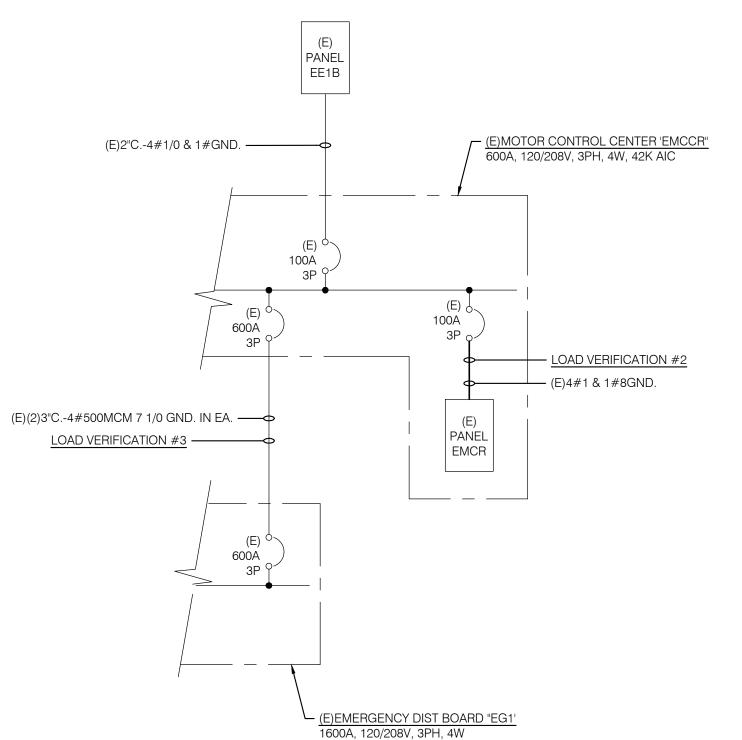




LOAD VERIFICATION #1 - "1ELB" PANEL "1ELB" EXISTING DEMAND LOAD READING FROM 05-06-16 TO 05-09-16 = 128.5A = 160.5A128.5A X 1.25 PANEL "1ELB3" LOAD ADDITION = 3A TOTAL LOAD = 163.5A



#### CRITICAL BRANCH



LOAD VERIFICATION #2 - "EMCR" (E)PANEL "EMCR" EXISTING DEMAND LOAD READING FROM 05-11-16 TO 05-16-16 = 17A = 21.5A17A X 1.25 (E)PANEL "EMCR" LOAD ADDITION PER THIS PROJECT  $TOTAL\ LOAD = 33.5A$ 

LOAD VERIFICATION #3 - "EMCCR"
(E)PANEL "EMCCR" EXISTING DEMAND LOAD READING FROM 9-23-16 TO 10-24-16 = 101A 101A X 1.25 = 126AAH-1 ADDITION PER ANGIO LAB REMODEL PROJECT CURRENTLY IN OSHPD PLAN REVIEW (E)PANEL "EMCR" LOAD ADDITION PER ANGIO LAB REMODEL PROJECT CURRENTLY IN OSHPD PLAN REVIEW = 1A PANEL "EE1B" PANEL ADDITION PER EMERGENCY DEPARTMENT REMODEL PROJECT CURRENTLY IN OSHPD PLAN REVIEW (E)PANEL "EMCR" LOAD ADDITION PER THIS PROJECT

**EQUIPMENT BRANCH** 



1350 Columbia Street, Suite 603

San Diego, Ca 92101

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

### TCMC CYTOLOGY

ARCHITECTS

#### Tri-City Medical Center

4002 Vista Way Oceanside, California 92056

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

ARCHITECT: SFEIR ARCHITECTS 1350 COLUMBIA STREET, SUITE 603

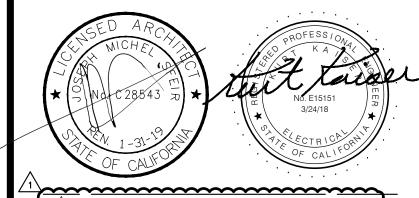
STRUCTURAL: SUN STRUCTURAL ENGINEERING, INC. 2091 LAS PALMAS DR., STE. D

CARLSBAD, CA 92011 TEL(760) 438-1188 FAX(760) 438-1188

SAN DIEGO, CALIFORNIA 92101

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

P2S ENGINEERING, INC. 9655 CHEASEPEAKE DR., SUITE #230 SAN DIEGO, CALIFORNIA 92123 TEL(619) 618-2347 FAX(619) 330-0668



#### DESIGN CHANGES

REV: DESCRIPTION:



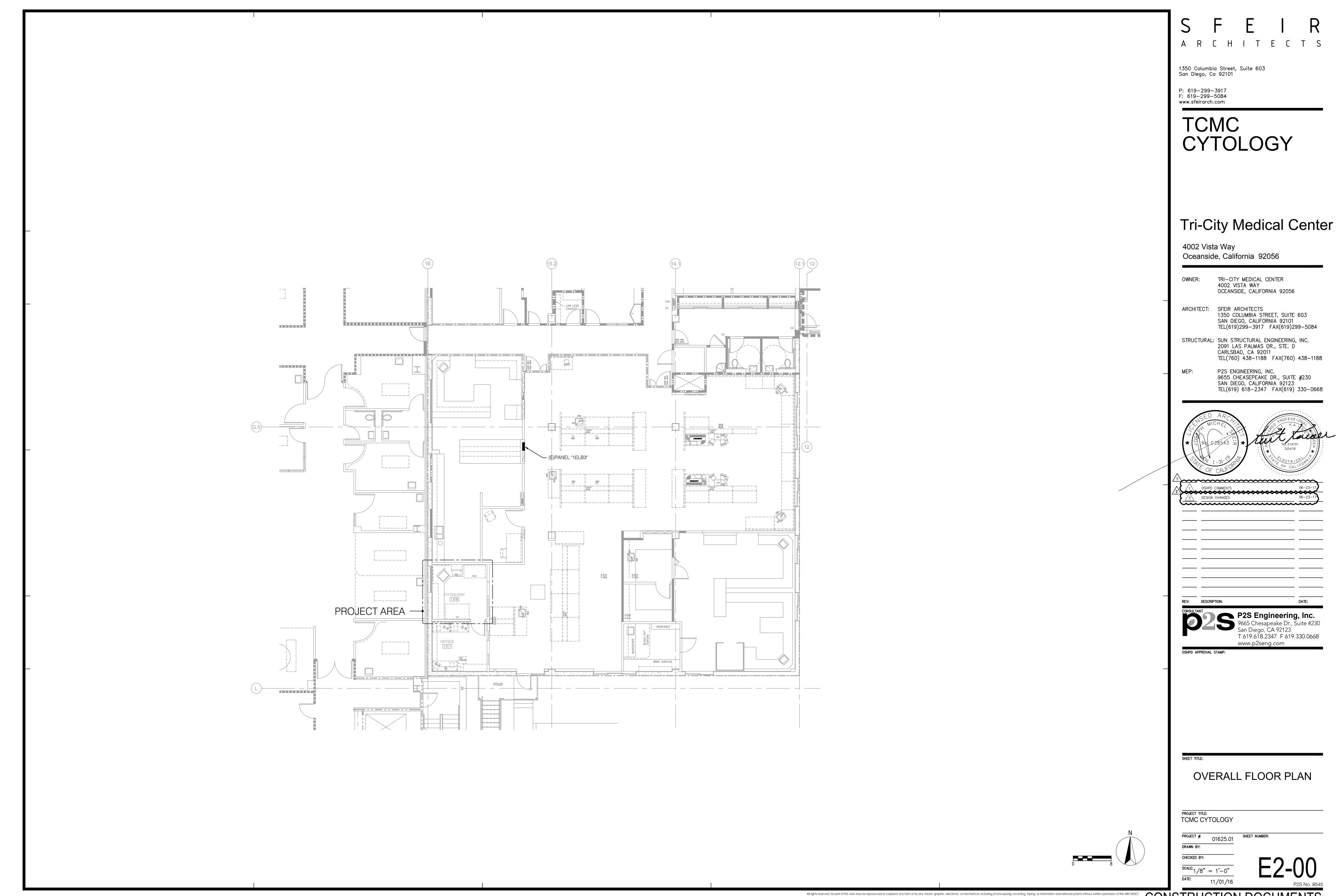
OSHPD APPROVAL STAMP:

DIAGRAMS AND **SCHEDULES** 

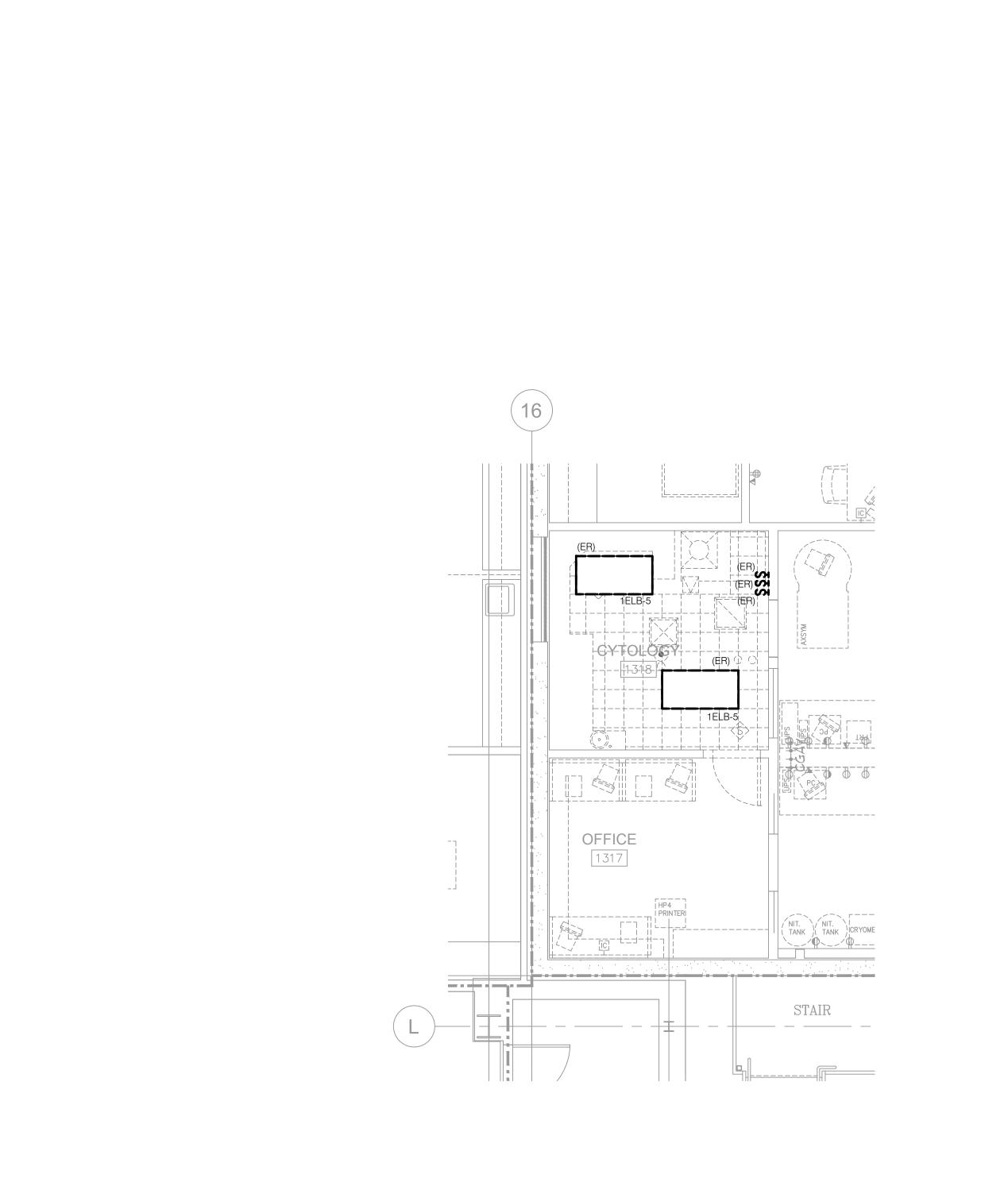
TCMC CYTOLOGY

PROJECT #: 01625.01

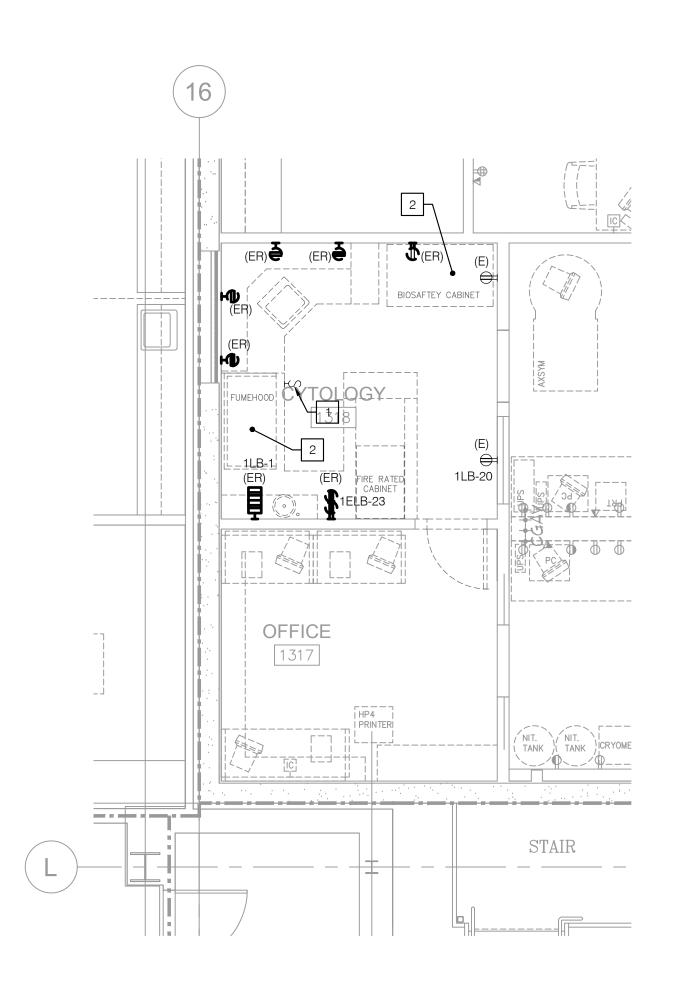
NONE 11/01/16











1 DEMOLITION POWER PLAN

1/4" = 1'-0"

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

1350 Columbia Street, Suite 603 San Diego, Ca 92101

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

NOTES

EXISTING FUME HOOD FAN AND LIGHT SWITCH CONTROLLER TO BE RELOCATED AND RECONNECTED.

2 EXISTING HOOD VELOCITY ALARM TO BE RELOCATED AND RECONNECTED.

### TCMC CYTOLOGY

### Tri-City Medical Center

4002 Vista Way Oceanside, California 92056

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

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 DR., STE. D

2091 LAS PALMAS DR., STE. D CARLSBAD, CA 92011 TEL(760) 438—1188 FAX(760) 438—1188

P2S ENGINEERING, INC. 9655 CHEASEPEAKE DR., SUITE #230 SAN DIEGO, CALIFORNIA 92123 TEL(619) 618–2347 FAX(619) 330–0668



# OSHPD COMMENTS O6-23 DESIGN CHANGES O6-23-

REV: DESCRIPTION: DATE:

CONSULTANT

P2S Engineering, Inc.

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

OSHPD APPROVAL STAMP:

SHEET TI

DEMOLITION POWER AND LIGHTING PLANS

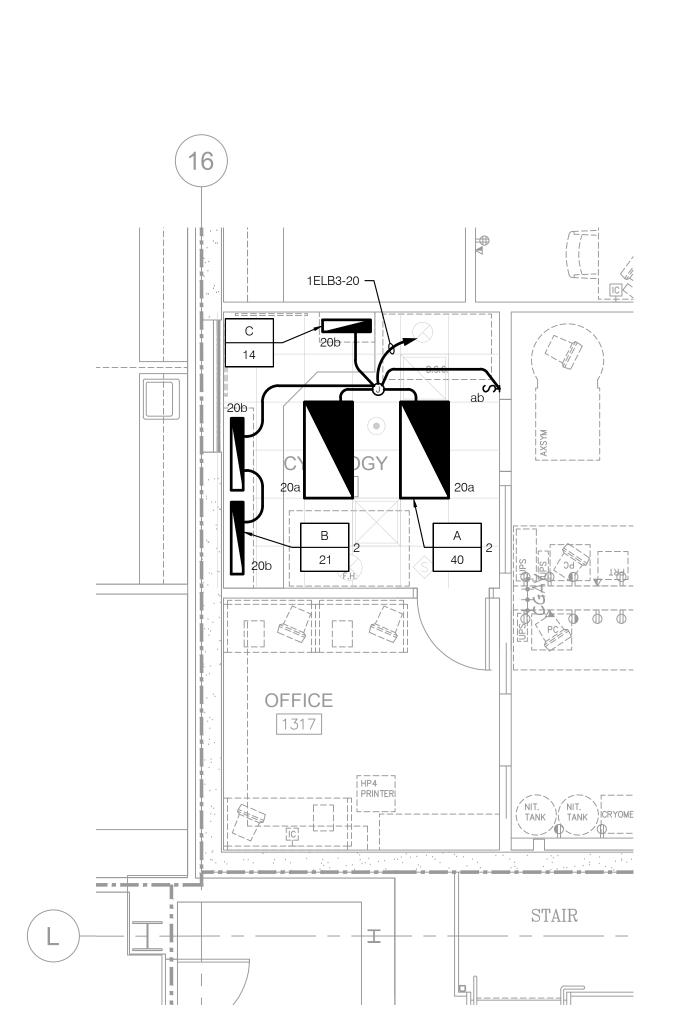
PROJECT TITLE:
TCMC CYTOLOGY

PROJECT #: 01625.01

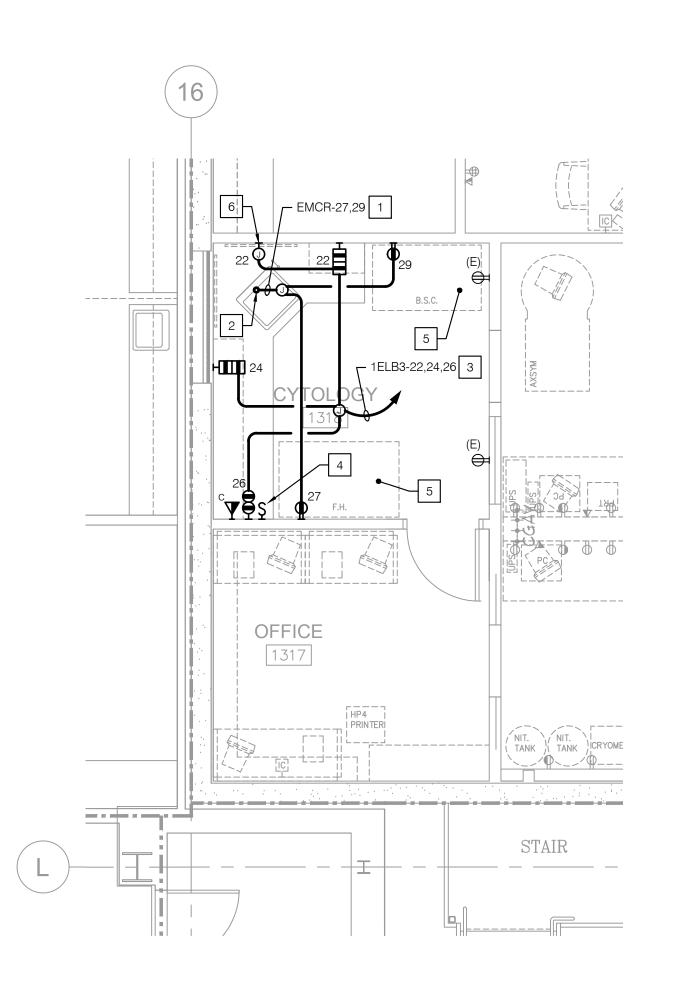
DRAWN BY:

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

E3-00







1 RENOVATION POWER PLAN

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

> 1350 Columbia Street, Suite 603 San Diego, Ca 92101

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

NOTES

3/4"C.-4#10 & 1#10 GND. PROVIDE DEDICATED NEUTRAL CONDUCTOR FOR EACH CIRCUIT INDICATED.

2 ROUTE CONDUIT UP TO ROOF. SEAL PENETRATION WATERTIGHT. REFER TO SHEET E4-10 FOR CONTINUATION.

3/4"C.-6#12 & 1#12 GND. PROVIDE DEDICATED NEUTRAL CONDUCTOR FOR EACH CIRCUIT INDICATED.

RECONNECT RELOCATED FUME HOOD FAN AND LIGHT CONTROL SWITCH TO MAINTAIN EXISTING FUNCTION

FECONNECT RELOCATED VELOCITY ALARM SYSTEM TO MAINTAIN EXISTING FUNCTION OPERATION.

6 120 VOLT CONNECTION FOR SENSOR FAUCET.

### TCMC CYTOLOGY

#### Tri-City Medical Center

4002 Vista Way Oceanside, California 92056

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

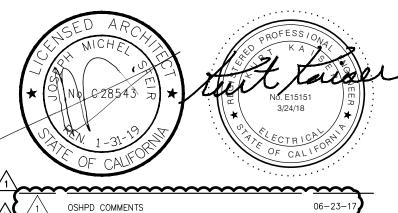
ARCHITECT: SFEIR ARCHITECTS
1350 COLUMBIA STREET, SUITE 603

SAN DIEGO, CALIFORNIA 92101
TEL(619)299-3917 FAX(619)299-5084

STRUCTURAL: SUN STRUCTURAL ENGINEERING, INC.

2091 LAS PALMAS DR., STE. D CARLSBAD, CA 92011 TEL(760) 438-1188 FAX(760) 438-1188

P2S ENGINEERING, INC. 9655 CHEASEPEAKE DR., SUITE #230 SAN DIEGO, CALIFORNIA 92123 TEL(619) 618—2347 FAX(619) 330—0668



## OSHPD COMMENTS DESIGN CHANGES

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

OSHPD APPROVAL STAMP:

SHEET TI

RENOVATION POWER AND LIGHTING PLANS

PROJECT TITLE:
TCMC CYTOLOGY

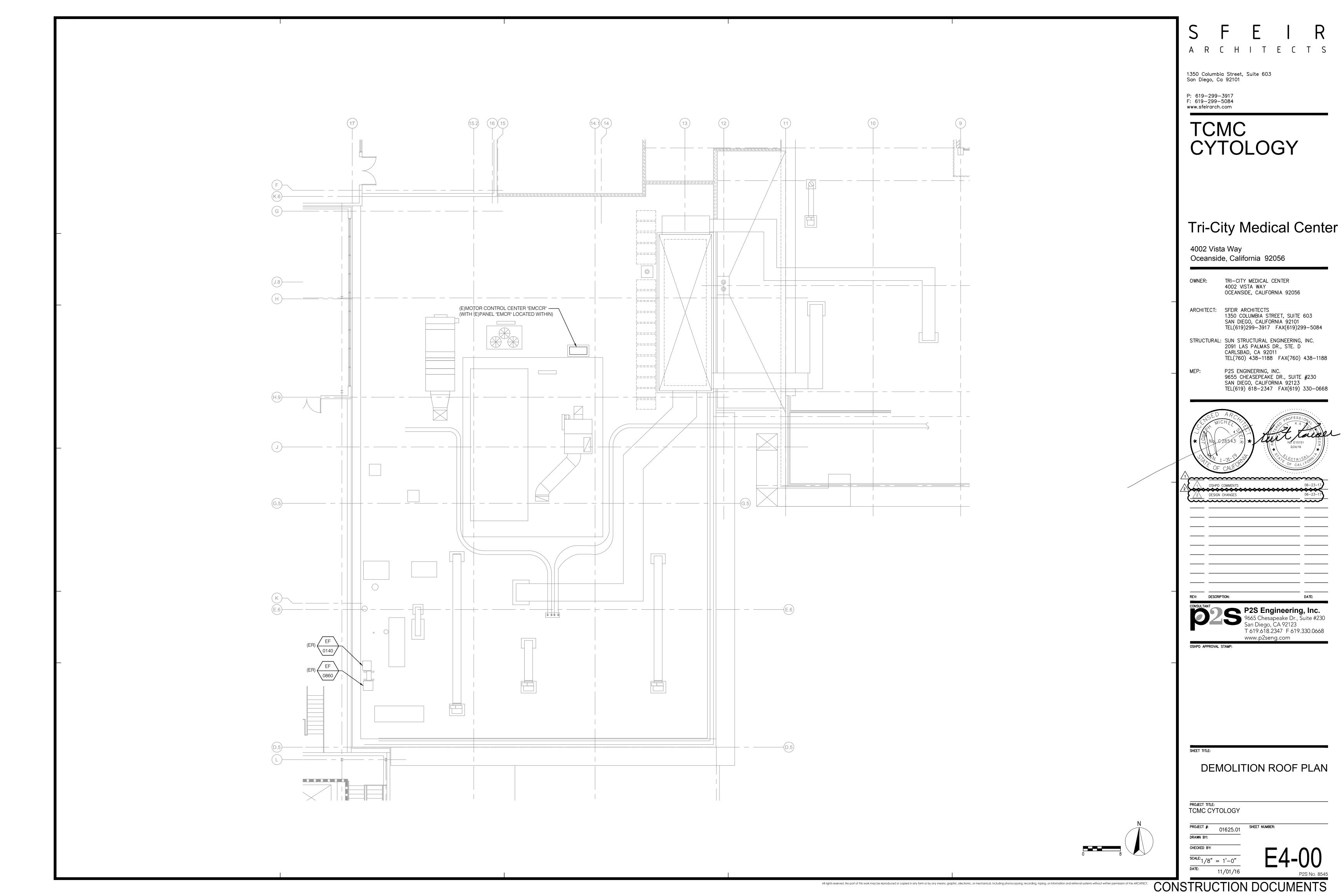
PROJECT #: 01625.01

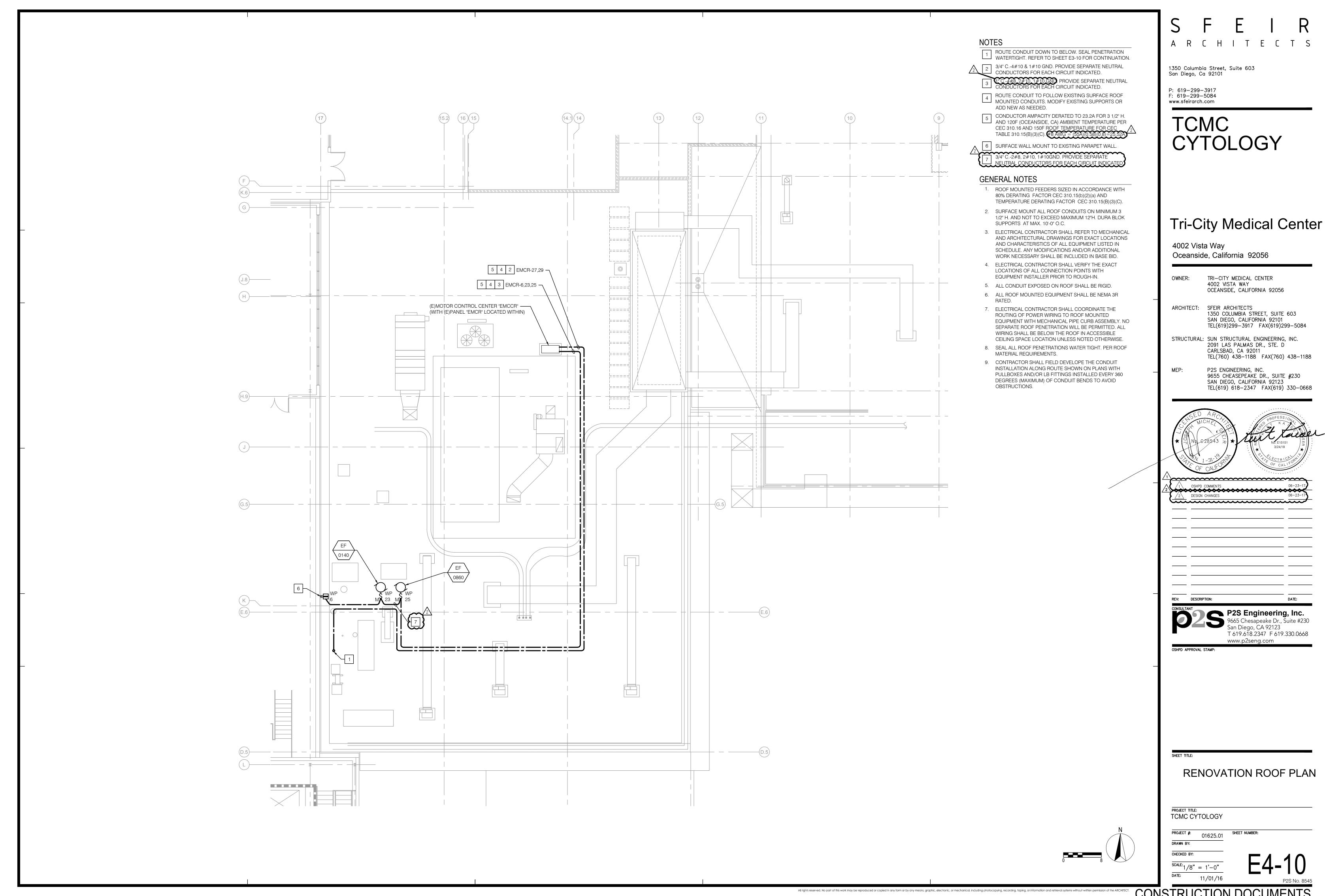
DRAWN BY:

CHECKED BY:

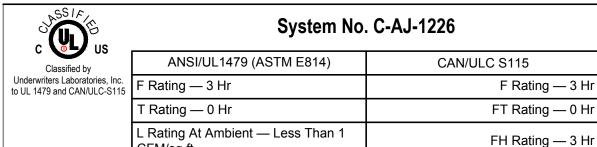
SCALE: 1/4" = 1'-

E3-10
P2S No. 854



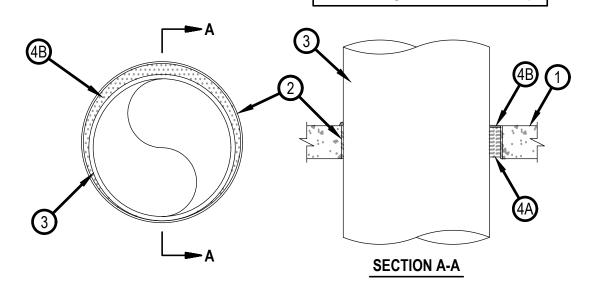






CFM/sq ft

L Rating At 400 F — 4 CFM/sq ft FTH Rating — 0 Hr L Rating At Ambient — Less Than 1 CFM/sq ft L Rating At 400 F — 4 CFM/sq ft



1. Floor or Wall Assembly — Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m³) concrete. Wall may also be constructed of any UL Classified Concrete Blocks\*. Max diam of opening is 32 in. (813 mm).

2. Metallic Sleeve — (Optional) Nom 32 in. (813 mm) diam (or smaller) Schedule 40 (or heavier) steel sleeve cast or grouted into floor or wall assembly, flush with floor or wall surfaces or extending a max of 3 in. (76 mm) above floor or beyond both surfaces of wall.

2A. Sheet Metal Sleeve — (Optional) Max 6 in. (152 mm) diam, min 26 ga. galv steel provided with a 26 ga galv steel square flange spot welded to the sleeve at approx mid-height, or flush with bottom of sleeve in floors, and sized to be a min of 2 in. (51 mm) larger than the sleeve diam. The sleeve is to be cast in place and may extend a max of 4 in. (102 mm) below the bottom of the deck and a max of 1 in. (25 mm) above the top surface of the concrete floor.

2B. Sheet Metal Sleeve — (Optional) - Max 12 in. (305 mm) diam, min 24 ga galv steel provided with a 24 ga galv steel square flange spot welded to the sleeve at approx mid-height, or flush with bottom of sleeve in floors, and sized to be a min of 2 in. (51 mm) larger than the sleeve diam. The sleeve is to be cast in place and may extend a max of 4 in. (102 mm) below the bottom of the deck and a max of 1 in. (25 mm) above the top surface of the concrete floor.

3. Through-Penetrant — One metallic pipe, tube or conduit to be installed either concentrically or eccentrically within the firestop system. The annular space between penetrant and periphery of opening shall be min 0 in. (point contact) to max 1-7/8 in. (48 mm). Penetrant may be installed with continuous point contact. Penetrant to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of metallic penetrants may be used:

A. Steel Pipe — Nom 30 in. (762 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.

B. Iron Pipe — Nom 30 in. (762 mm) diam (or smaller) cast or ductile iron pipe.

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

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

4. Firestop System — The firestop system shall consist of the following:

A. Packing Material — Min 4 in. (102 mm) thickness of min 4 pcf (64 kg/m³) mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor or sleeve or from both surfaces of wall or sleeve as required to accommodate the required thickness of fill material.

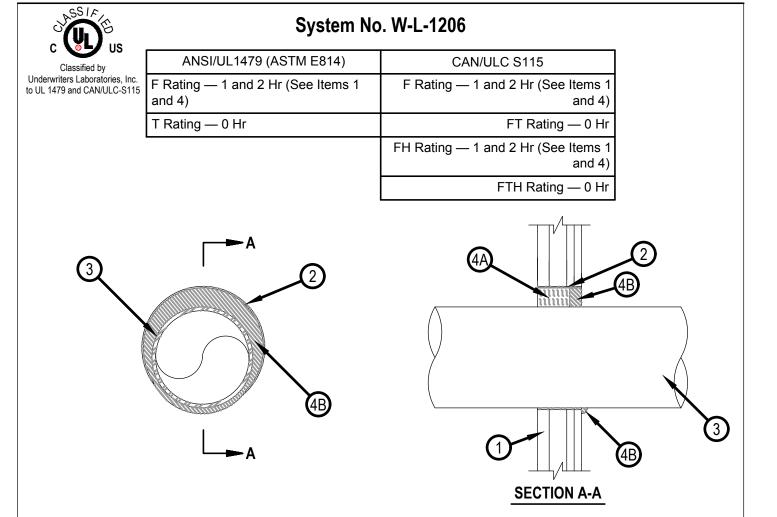
B. Fill, Void or Cavity Material\* — Sealant — Min 1/4 in. (6 mm) thickness of fill material applied within the annulus, flush with top surface of floor or sleeve or with both surfaces of wall or sleeve. At the point or continuous contact locations between penetrant and concrete or sleeve, a min 1/4 in. (6 mm) diam bead of fill material shall be applied at the concrete or sleeve/ pipe penetrant interface on the top surface of floor and on both surfaces of wall.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-One Sealant or FS-ONE MAX Intumescent Sealant Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada),



Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc. January 07, 2015

SYSTEM NO. C-AJ-1226



1. Wall Assembly — The fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner described in the individual U400, V400 or W400 Series Wall and Partition Design in the UL Fire Resistance Directory and shall include the following construction

A. Studs — "C-T" shaped studs 1-5/8 in. (41 mm) wide by 2-1/2 in. (64 mm) deep, fabricated from 25 MSG galv steel, spaced max 24 in. (610

mm) OC. B. Gypsum Board\* — One layer of nom 1 in. (25 mm) thick, 24 in. (610 mm) wide gypsum liner and one or two layers of nom 5/8 in. (16 mm) thick, 4 ft. (1.27 m) wide gypsum board with square or tapered edges. The gypsum board types, number of layers, fastener type and sheet

orientation shall be as specified in the individual Wall and Partition Design. Max diam of opening is 10-1/2 in. (267 mm). 1A. Wall Assembly — As an alternate to the above wall assembly, the 1 or 2 Hr fire rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300, U400 or V400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

A. Studs — Wall framing may consist of either wood studs or steel channel studs. Steel studs to be min 2-1/2 in. (64 mm) wide and spaced max 24 in. (610 mm) OC. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC.

B. Gypsum Board\* — Thickness, type, number of layers and fasteners as required in the individual Wall and Partition Design. Max diam of opening is 10-1/2 in. (267 mm).

The hourly F, FH Ratings of the firestop system are equal to the hourly fire rating of the wall assembly in which it is installed. 2. Metallic Sleeve — Max 10-1/2 in. (267 mm) diam cylindrical sleeve fabricated from min 0.016 in. (0.41 mm) thick (28 gauge) galv sheet steel and having a min 1 in. (25 mm) lap along the longitudinal seam. Length of steel sleeve to be equal to thickness of wall. Sleeve installed by coiling the sheet steel to a diam smaller than the through opening, inserting the coil through the opening and releasing the coil to let it uncoil against the circular cutouts in the gypsum board layers. Sleeve may also be formed of No. 8 steel wire mesh having a min 1 in. (25 mm) lap along the

longitudinal seam. 3. Through-Penetrants — One metallic pipe, conduit or tubing to be installed either concentrically or eccentrically within the firestop system. An annular space of min 0 in. (0 mm, point contact) to max 1-7/8 in. (48 mm) is required within firestop system. 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 8 in. (203 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe. B. Iron Pipe — Nom 8 in. (203 mm) diam (or smaller) cast or ductile iron pipe.

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

D. Copper Tubing — Nom 4 in. (102 mm) diam (or smaller) Type L (or heavier) copper tubing. E. Copper Pipe — Nom 4 in. (102 mm) diam (or smaller) Regular (or heavier) copper pipe.

F. Flexible Steel Conduit+ — Nom 2 in. (51 mm) diam (or smaller) flexible steel conduit.

See Flexible Metal Conduit (DXUZ) category in the Electrical Construction Equipment Directory for names of manufacturers. Firestop System — The firestop system shall consist of the following:

A. Packing Material — Min 1-5/8 or 2-1/4 in. (41 or 57 mm) thickness of min 4 pcf (64 kg/m³) mineral wool batt insulation firmly packed into sleeve on one side of the wall as permanent form for 1 and 2 Hr walls, respectively. Packing material to be recessed from the room side of wall to accommodate the required thickness of fill material. In alternate wall assembly, packing material to be flush with either side of the wall and recessed from the other side of the wall to accommodate the required thickness of fill material.

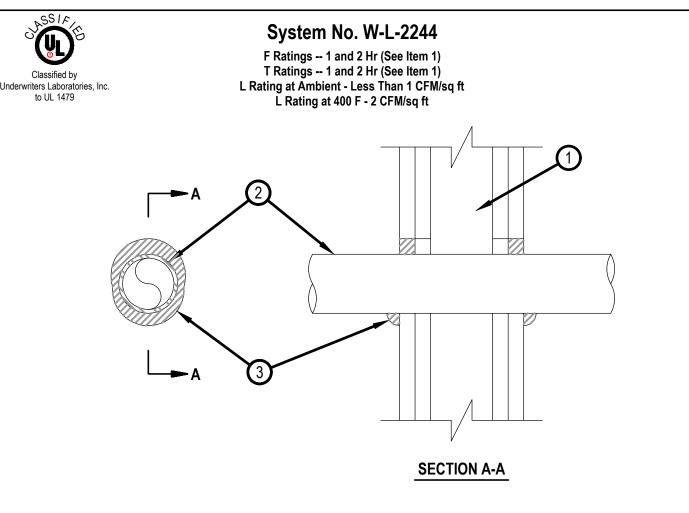
B. Fill, Void or Cavity Material — Sealant\* — Min 1-1/2 in. (38 mm) thickness applied within sleeve, flush with the surface of wall. At the point contact location between pipe and wall, a min 1/2 in. (13 mm) diam bead of fill material shall be applied at the pipe/wall interface. HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE Sealant or FS-ONE MAX Intumescent Sealant

Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), +Bearing the UL Listing Mark



Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc. January 22, 2015

SYSTEM NO. W-L-1206



. Wall Assembly — The 1 and 2 hr fire rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300, U400, V400 or W400 Series Wall and Partition Design in the UL Fire Resistance Directory and shall include the following

A. Studs — Wall framing shall consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 2-1/2 in. (64 mm) wide by 1-3/8 in. (35 mm) deep channels spaced max 24 in. (610

B. Gypsum Board\* — The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual Wall and Partition Series Design in the UL Fire Resistance Directory. Max diam of opening is 3 in. (76 mm). The hourly F and T Ratings of the firestop system are equal to the hourly fire rating of the wall assembly in which it is installed.

2. Through Penetrant — One nonmetallic pipe, conduit or tubing installed either concentrically or eccentrically within the firestop system. The annular space between pipe and periphery of opening shall be min of 0 in. (point contact) to a max 5/8 in. .(16 mm). Pipe to be rigidly supported on both sides of wall assembly. The following types and sizes of nonmetallic pipes may be used:

A. Polyvinyl Chloride (PVC) Pipe — Nom 2 in. (51 mm) diam (or smaller) cellular or solid core Schedule 40 (or heavier) pipe for use in closed (process or supply) piping systems.

B. Chlorinated Polyvinyl Chloride (CPVC) — Nom 2 in. (51 mm) diam (or smaller) SDR 13.5 CPVC pipe for use in closed (process or supply) piping systems.

3. Fill, Void or Cavity Material\* - Sealant — Min 5/8 in. (16 mm) thickness of fill material applied within annulus, flush with both surfaces of wall. At point contact location, a min 1/2 in. (13 mm) diam bead of fill material shall be applied to the wall/penetrant interface on both surfaces of the wall. HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE Sealant or FS-ONE MAX Intumescent Sealant

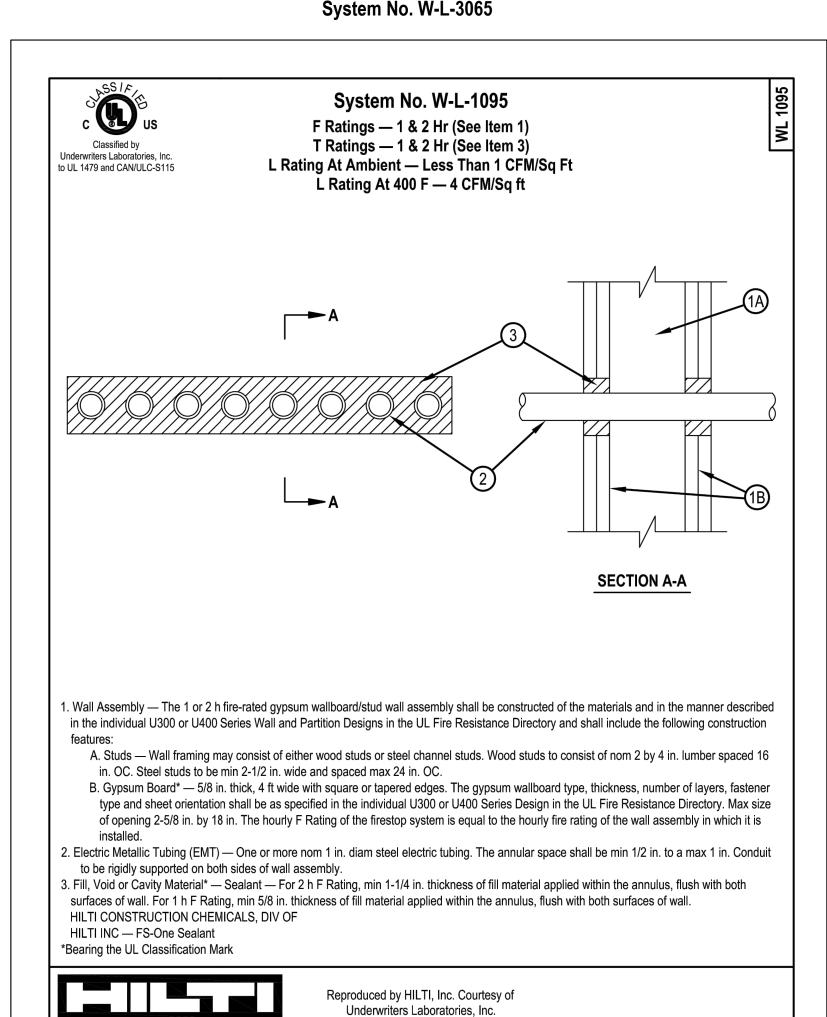
\* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada),



Hilti Firestop Systems

Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc. January 22, 2015

#### System No. W-L-3065



January 02, 1997

ARCHITECTS

1350 Columbia Street, Suite 603 San Diego, Ca 92101

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

> TCMC **CYTOLOGY**

#### Tri-City Medical Center

4002 Vista Way Oceanside, California 92056

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

ARCHITECT: SFEIR ARCHITECTS 1350 COLUMBIA STREET, SUITE 603

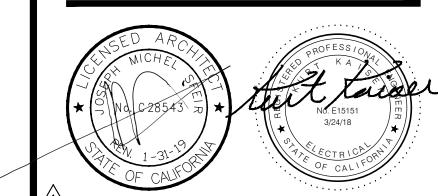
STRUCTURAL: SUN STRUCTURAL ENGINEERING, INC.

SAN DIEGO, CALIFORNIA 92101

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

2091 LAS PALMAS DR., STE. D CARLSBAD, CA 92011 TEL(760) 438-1188 FAX(760) 438-1188

P2S ENGINEERING, INC. 9655 CHEASEPEAKE DR., SUITE #230 SAN DIEGO, CALIFORNIA 92123 TEL(619) 618-2347 FAX(619) 330-0668



DESIGN CHANGES 

	_	
REV:	DESCRIPTION:	DAT
CONSUL	TANT	
	BAA E	

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

www.p2seng.com

OSHPD APPROVAL STAMP

**DETAILS** 

TCMC CYTOLOGY

01625.01

**ELECTRICAL PENETRATION DETAILS**