TRI-CITY MEDICAL CENTER

OR #3 LIGHT REPLACEMENT

ABBREVIATIONS

ASPHALTIC CONCRETE **FIREPLACE** RADIUS RETURN AIR DUCT FOOT OR FFF ACOUS. ACCESS PANE GRAB BAR RECEPTACLE REFERENCE ARCHITECT OR ARCHITECTURAL GALVANIZED IRON REFRIGERATOR AUTOMATIC GLUE LAMINATED BEAM REINFORCED REINFORCED CONCRETE **GALLONS PER MINUTE** REQUIRED GRADE RESILIENT SYPSUM BOARD RETURN BOTTOM OF FOOTING REVISIONS/REVERSE HOLLOW CORE ROUND HEAD METAL SCREW HANDICAP HEADER HARDWOOD BOUNDARY NAILING HOLLOW METAL SPLASH BLOCK HORSEPOWER HOUR HEIGHT SOLID CORE SCHEDULE HEATING HOT WATER SMOKE DETECTOR SAN DIEGO FIRE DEPARTMENT HOT WATER RETURN H.W.S. HOT WATER SUPPLY CATCH BASIN INSIDE DIAMETER SURFACED 4 SIDE CUBIC FOOT PER MINUTE INCLUDE/INCLUDED INTERIOR JUNCTION BOX SHEET METAL SCREW CLEANOUT KNOCK-OUT SHELF AND POLE KICK PLATE SPECIFICATION COMBINED/COMBINATION SQUARE FOOT SQUARE INCH CONCRETE BLOCK LAMINATE STAINLESS STEEL LAVATORY POUNDS STANDARD LINEAR/LINEAL CONSTRUCTION JOIN LOCKER LIVE LOAD LONG LEG HORIZONTAI SURFACED 2 SIDES SUSPENDED LOUVER TOWEL BAR TOP AND BOTTOM COLD WATER RETURN MASONRY TOP OF CURB MATERIAL C.W.S CYL. MAXIMUM TEMPERATURE/TEMPERE MACHINE BOLT TONGUE AND GROOVE MEDICINE CABINE DEPARTMENT MEMBRANE TOP OF CONCRETE MANUFACTURER TOP OF PAVING DIAGONAL OR DIAGRAM MANHOLD TOP OF WALL MINIMUM MIRROR DISPENSER OR DISPOSER TYPICAL MICRO-LAM MISCELLANEOUS UNIFORM BUILDING CODE UNDERWRITERS LABORATOR' MODULAR DRYWALL OPENING DEEP DOOR UNLESS OTHERWISE NOTED

METAL

NORTH

NOMINAL

OBSCURE

OVERHEAD

OPENING OPPOSITE OUNCE

PARTITION

PLATFORM

PLYWOOD

PREFABRICATED

PUSH BUTTON

N.T.S.

PARTN.

PLUMB. PLYWD.

PRCST PREFAB

PTDF

NOTE: NOT ALL ABBREVIATIONS ARE USED WITHIN THIS SET OF DRAWINGS, TYP

NOT IN CONTACT

OUTSIDE DIAMETER

PARTICLE BOARD

PROPERTY LINE

PLASTIC LAMINATE

POUNDS PER CUBIC FOOT

POUNDS PER LINEAL FOOT

POUNDS PER SQUARE FOOT

POUNDS PER SQUARE INCH

POLYVINYL CHLORIDE

PRESSURE TREATED DOUGLAS FIR

DRAWER

EACH ELEVATION

EQUAL EQUIPMENT

ET CETERA

FORCED AIR UNIT

FIRE EXTINGUISHER

FIRE HOSE CABINET

FLAT HEAD WOOD SCREW

FLOOR DRAIN

FINISH FLOOR

FUEL GAS

FLASHING FLOOR

FLOURESCENT

FACE OF BEAM

FACE OF FINISH

FACE OF CONCRETE

EXPAN EXT

F.O.M.

FLEVATION OR FLEVATOR

EAST

MULLION MULTIPLE

VINYL ASBESTOS TILE

VENT THROUGH ROOF

WEAKENED PLANE JOINT WOOD SCREW(S)

WELDED WIRE FABRIC

PENNY (NAIL SIZE)

DIAMETER OR ROUND

ADDITIONAL ABBREVIATIONS

PER ANSI STANDARDS

AND SPECIFICATIONS.

PERPENDICULAR

POUND OR NUMBER

VENTILATION OR VENTILATOR

VAPOR BARRIER

VERTICAL

VESTIBULE

WATER HEATER

WITHOUT

WAINSCOT

YARD

PERCENT

VOLUME

FIRE PREVENTION NOTES

1. EXCEPT AS SPECIFICALLY PERMITTED BY THIS SECTION, EGRESS DOORS SHALL BE READILY OPERABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT

. ARRANGEMENT OF EXITS SHALL BE IN ACCORDANCE WITH 2016 CBC SECTION 1010.1.8. 3. EXIT DOORS FOR > 50 OCCUPANTS SERVING AN ASSEMBLY OCCUPANCY SHALL HAVE PANIC $\frac{1}{2}$

HARDWARE IN ACCORDANCE WITH CBC SECTION 1010.1.10.

A, ILLUMINATION: SIGNS SHALL BE INTERNALLY OR EXTERNALLY ILLUMINATED BY TWO ELECTRIC LAMPS OR SHALL BE OF AN APPROVED SELF-ALLUMINATED TYPE.

5. POWER SUPPLY: CURRENT SUPPLY TO ONE OF THE LAMPS FOR THE EXIT SIGNS SHALL BE PROVIDED BY THE PREMISES' WIRING SYSTEM. POWER TO THE OTHER LAMP SHALL BE FROM STORAGE BATTERIES OR AN ON SITE GENERATOR SET.

6. FIRE DAMPER ASSEMBLIES, INCLUDING SLEEVES, AND INSTALLATION PROCEDURES SHALL BE APPROVED BY THE BUILDING INSPECTOR PRIOR TO INSTALLATION.

GENERAL NOTES

, AS A MINIMUM STANDARD, ALL CONSTRUCTION WORK SHALL COMPLY WITH ALL APPLICABLE ADOPTED ZONING ORDINANCES, BUILDING CODES BUILDING DEPARTMENT SUPPLEMENTARY PROCEDURES AND NEWSLETTERS AND NFPA BULLETINS AS A WHOLE WHEN DETERMINING THE CONSTRUCTION REQUIREMENTS FOR A PROJEC $^{ extsf{T}}$ HE GENERAL CONTRACTOR IS RESPONSIRI E FOR IDENTIFYING ALL AREAS ON THE PROJECT WHICH REQUIRE TO ERANCES RETWEEN ROLIGH PENINGS AND/OR FINISH MATERIALS AND PROVIDE FOR THE PROPER TOLERANCES TO COMPLETE THE CONSTRUCTION IN ACCORDANCE WITH THE

A ALL DRAWINGS SCHEDULES AND SPECIFICATIONS IN THE BID PACKAGE ARE TO BE CONSIDERED FOLIAL PARTS OF THIS CONTRACT PACKAGE. THE CONTRACTOR AND HIS SUB-CONTRACTORS SHALL BE RESPONSIBLE FOR THE REVIEW AND COORDINATION OF ALL ELECTRICAL, ALL DISCREPANCIES. OMISSIONS OR ERRORS THAT OCCUR SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IN

3. ANY WORK PERFORMED IN CONFLICT WITH ANY PART OF THE CONTRACT DOCUMENTS OR ANY CODE REQUIREMENT SHALL BE CORF BY THE CONTRACTOR AT HIS OWN EXPENSE AND AT NO EXPENSE TO THE OWNER OR ARCHITECT.

PRIOR TO THE START OF CONSTRUCTION. THE GENERAL CONTRACTOR SHALL VERIFY THE LOCATION OF THE TRANSFORMERS AND UNDERGROUND TILITIES WITH APPROPRIATE UTILITY COMPANIES. IN ADDITION, THE GENERAL CONTRACTOR SHALL VERIFY THE ACTUAL STATIC WATER PRESSURE A HE PROPERTY LINE AND REPORT THE FINDINGS IN WRITING TO THE ARCHITECT AND MECHANICAL ENGINEER PRIOR TO THE START OF CONSTRUCTION THE GENERAL CONTRACTOR AND HIS SUB-CONTRACTORS SHALL BE RESPONSIBLE FOR THE COORDINATION OF THEIR WORK WITH THE WORK OF HERS. SUB-CONTRACTORS SHALL VERIFY THAT ANY WORK RELATED TO THEM, WHICH MUST BE PROVIDED BY OTHERS, HAS BEEN COMPLETED AND IS ADEQUATE PRIOR TO COMMENCING THEIR WORK

UNLESS NOTED OTHER WISE ON DRAWINGS. DO NOT SCALE DRAWINGS.

. ALL EXITS REQUIRED BY CODE SHALL BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF ANY SPECIAL KNOWLEDGE OR EFFORT OR SHALL HAVE A

ALL INTERIOR FINISHES SHALL CONFORM TO THE MINIMUM REQUIREMENTS OF CHAPTER 8 CBC, LATEST EDITION FIRE DAMPER ASSEMBLIES, INCLUDING SLEEVES, AND INSTALLATION PROCEDURES SHALL BE APPROVED BY THE BUILDING INSPECTOR PRIOR TO

PEIRE AND DRAFT STOPS SHALL BE INSTALLED PER THE REQUIREMENTS OF THE UNIFORM BUILDING CODE

IINISTRATIVE CODE. SHOULD ANY CONDITIONS DEVELOP NOT COVERED BY THE CONTRACT DOCUMENTS WHERE IN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24. CA ADMINISTRATIVE CODE. A CHANGE ORDER DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND PROVED BY THE OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT BEFORE PROCEEDING WITH THE WORK.

16. ALL ELECTRICAL OUTAGES SHALL BE SCHEDULED AND APPROVED BY THE HOSPITAL REPRESENTATIVE. REQUEST FOR ELECTRICAL OUTAGE SHALL BE 17. ALL ELECTRICAL OUTAGES SHALL BE SCHEDULED AFTER NORMAL WORKING HOURS (5:00 PM - 7:00 AM MONDAY-FRIDAY), SATURDAYS, SUNDAYS, HOLIDAYS OR AT A TIME SET BY HOSPITAL REPRESENTATIVE. NO ELECTRICAL OUTAGE SHALL EXCEED ONE (1) HOURIN DURATION WITHOUT TEMPORARY

18. 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



PROJECT DATA

SCOPE OF WORK: REMOVAL AND REPLACEMENT OF EXISTING SURGICAL LIGHT(S) IN OR3, NEW LIGHTS ATTACHMENT PER STRUCTURAL AND OTHER **ELECTRICAL WORK PROJECT LOCATION** OCEANSIDE, CA 92056 LEGAL DESCRIPTION PORTION OF PARCEL 3 MAP NO. 563 FILED IN THE OFFICE OF THE COUNTY RECORDER OF SAN DIEGO COUNTY, IN THE STATE OF CALIFORNIA, RECORDED MARCH 21, 1977, AS FILE NO. 77-077587 OF OFFICIAL RECORDS. OCCUPANCY CLASS

TYPE OF CONSTRUCTION TYPE 1-A FULLY SPRINKLERED YEAR OF ORIGINAL CONSTRUCTION

APPLICABLE CODES

-THE'SE PLANS AND ALL WORK SHALL COMPL DIEGO MUNICIPAL CODE, THE 2016 EDITION (than using the term 'shall be'). DIN

CODE FOUND IN STATE OF CALIFORNIA TITLE 24 CCR AS AMENDED AND ADOPTED BY THE CITY OF SAN DIEGO.

THE 2016 EDITIONS OF THE CALIFORNIA BUILDING CODES SHALL APPLY:

nent 0002 - SACFDD (BHarry)

FM: For clarification, identify if the entire

building is fully sprinklered or if it

2016 CALIFORNIA BUILDING CODE 2016 CALIFORNIA GREEN BUILDING CODE 2016 CALIFORNIA HISTORICAL BUILDING CODE 2016 CALIFORNIA ELECTRICAL CODE 2016 CALIFORNIA MECHANICAL CODE 2016 CALIFORNIA PLUMBING CODE

2016 CALIFORNIA TITLE 24 2016 CALIFORNIA FIRE CODE

DISABLED PERSONS ACCESS NOTES

. ALL PRIMARY ENTRANCES TO BUILDINGS AND FACILITIES SHALL BE ACCESSIBLE TO THE DISABLED.

2. EXIT DOORS SHALL BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT. HAND-ACTIVATED DOOR OPENING HARDWARE SHALL BE CENTERED BETWEEN 34 INCHES AND 48 INCHES ABOVE THE FLOOR. LATCHING AND LOCKING DOORS THAT ARE HAND-ACTIVATED AND WHICH ARE IN A PATH OF TRAVEL, SHALL BE OPERABLE WITH A SINGLE EFFORT BY LEVER-TYPE HARDWARE, BY PANIC BARS, PUSH-PULL ACTIVATING BARS, OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP THE OPENING HARDWARE. LOCKED EXIT DOOR SHALL OPERATE AS ABOVE IN EGRESS DIRECTION. PER CBC. SECTION

3. EVERY REQUIRED EXIT DOORWAY SHALL BE OF A SIZE AS TO PERMIT THE INSTALLATION OF A DOOR NOT LESS THAN 3 FEET IN WIDTH AND NOT LESS THAN 6 FEET 8 INCHES IN HEIGHT. WHEN INSTALLED IN EXIT DOORWAYS, EXIT DOORS SHALL BE CAPABLE OF OPENING AT LEAST 90 DEGREES AND SHALL BE SO MOUNTED THAT THE CLEAR WIDTH OF THE EXIT WAY IS NOT LESS THAN 32 INCHES. PER CBC.

4. FOR HINGED DOORS, THE OPENING WIDTH SHALL BE MEASURED WITH THE DOOR POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION. AT LEAST ONE OF A PAIR OF DOORS SHALL MEET THIS OPENING WIDTH REQUIREMENT. REVOLVING DOORS SHALL NOT BE USED AS A REQUIRED ENTRANCE FOR THE PHYSICALLY DISABLED.

5. THRESHOLDS SHALL NOT EXCEED $\frac{1}{2}$ INCH IN HEIGHT. CBC. 1008.1.7

3. LANDINGS SHALL HAVE A WIDTH NOT LESS THAN THE WIDTH OF THE STAIRWAY OR THE DOOR WHICHEVER IS GREATER. DOORS IN THE FULLY OPEN POSITION SHALL NOT REDUCE A REQUIRED DIMENSION BY MORE THAN 7 INCHES. WHEN A LANDING SERVES AN OCCUPANT LOAD OF 50 OR MORE. DOORS IN ANY POSITION SHALL NOT REDUCE THE LANDING TO LESS THAN ONE-HALF ITS REQUIRED WIDTH. LANDINGS SHALL HAVE A LENGTH MEASURED IN THE DIRECTION OF TRAVEL OF NOT LESS THAN 44 INCHES. CBC. SECTION 1008.1.6

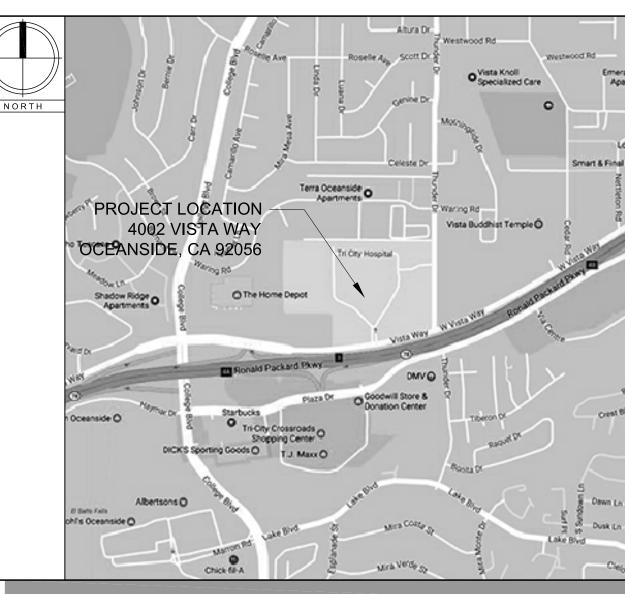
7. THE WIDTH OF THE LEVEL AREA ON THE SIDE TO WHICH THE DOOR SWINGS SHALL EXTEND 24 INCHES PAST THE STRIKE EDGE OF THE DOOR FOR EXTERIOR DOORS AND 18 INCHES PAST THE STRIKE EDGE FOR INTERIOR DOORS.

8. SPACE BETWEEN TWO DOORS IN A SERIES SHALL BE 48 INCHES MINIMUM PLUS THE THE WIDTH OF A DOOR SWINGING INTO THE SPACE. DOORS IN A SERIES SHALL SWING EITHER IN THE SAME DIRECTION OR AWAY FROM THE SPACE BETWEEN THE DOORS. CBC SECTION 1008.1.8

9. MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED 5 POUNDS FOR EXTERIOR DOORS AND 5 POUNDS FOR INTERIOR DOORS, SUCH PULL OR PUSH EFFORT BEING APPLIED AT RIGHT ANGLES TO HINGED DOORS AND AT THE CENTER OF THE PLANE OF SLIDING OR FOLDING DOORS. COMPENSATING DEVICES OR AUTOMATIC DOOR OPERATORS MAY BE UTILIZED TO MEET THE ABOVE STANDARDS. WHEN FIRE DOORS ARE REQUIRED, THE MAXIMUM EFFORT TO OPERATE THE DOOR MAY BE INCREASED BUT SHALL NOT EXCEED 15 POUNDS. CBC. 1008.1.3.

IO. CONSTRUCTION: THE BOTTOM 10 INCHES OF ALL DOORS, EXCEPT AUTOMATIC AND SLIDING, SHALL HAVE A SMOOTH UNINTERRUPTED SURFACE TO ALLOW DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION. WHERE NARROW FRAME DOORS ARE USED, A 10 INCH HIGH SMOOTH PANEL SHALL BE INSTALLED ON THE PUSH SIDE OF THE DOOR, WHICH WILL ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION.

PROJECT LOCATION



PROJECT DIRECTORY

OWNER REP.

TRI-CITY MEDICAL CENTER 4002 VISTA WAY OCEANSIDE, CA 92056 PHONE #: (760) 940-7709 CONTACT: CHRIS MIECHOWSKI

RESPONSIBLE PARTY SUN STRUCTURAL ENGINEERING, INC. 2091 LAS PALMAS DR. SUITE D CARLSBAD, CA 92011 PHONE #: (760) 438-1188

ARCHITECT BGI ARCHITECTURE

CONTACT: CHANGHUA SUN

2091 LAS PALMAS DRIVE, SUITE D CARLSBAD, CA 92011 PHONE #: (760) 438-2963 CONTACT: JOHN BEERY BGIARCHITECTURE.COM

DRAWING LIST

PROJECT TITLE SHEET TCMC SPC NPC RATING

ARCHITECTURAL SITE PLAN

ACCESSIBLE PATH OF TRAVEL OR #3 REFLECTED CEILING PLANS AND DETAILS

OR #3 ARCHITECTURAL DETAILS STRUCTURAL GENERAL NOTES

S-2 STRUCTURAL - PARTIAL EXISTING ROOF FRAMING PLAN STRUCTURAL - DETAILS

STRUCTURAL - DETAILS

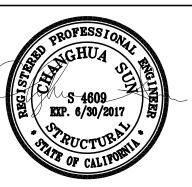
ELECTRICAL LEGEND, SYMBOLS, GENERAL NOTES ELECTRICAL SINGLE LINE DIAGRAM & PANEL SCHEDULE ELECTRICAL - PARTIAL FIRST FLOOR PLAN POWER

DEMO & NEW **ELECTRICAL - DETAILS**

ELECTRICAL - OR #3 LIGHTING DEMO ELECTRICAL - OR #3 LIGHTING MODIFIED



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SUN Structural Engineering, Inc. Consulting Structural Engineers 2091 Las Palmas Dr. Suite D arlsbad, California 92011

CONSULTANT:

ARCHITECTURE Beery Group Inc. 2091 Las Palmas Drive, St. D Carlsbad, CA 9201

(760) 438-2963

bgiarchitect.com

ARCHITECTURE | DESIG

REVISIONS:

OSHPD COMMENTS 04/03/201

AGENCY APPROVAL



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

#[\$170375-37-00

DATE: 02/28/2017

DRAWN BY: BPB

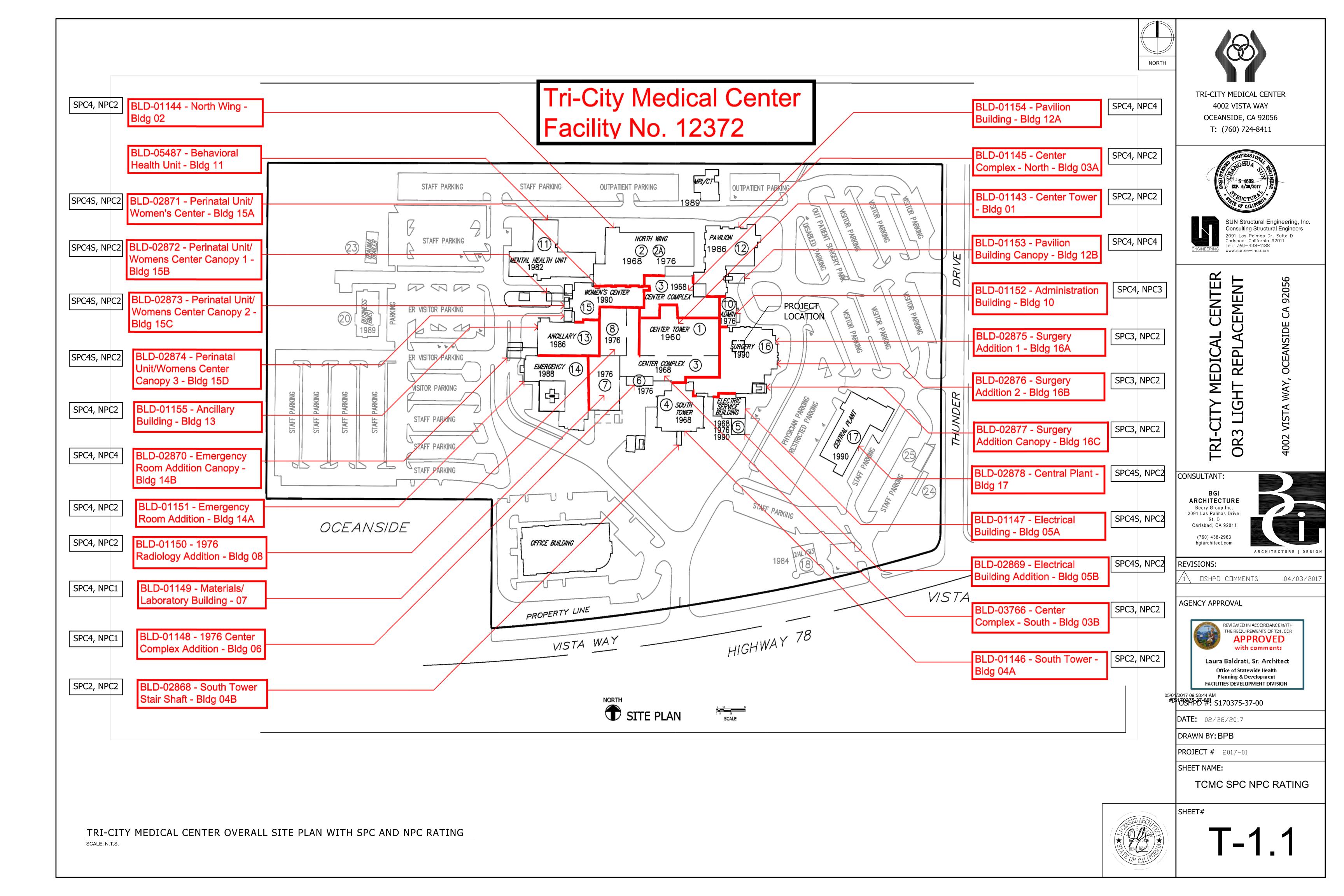
PROJECT # 2017-01

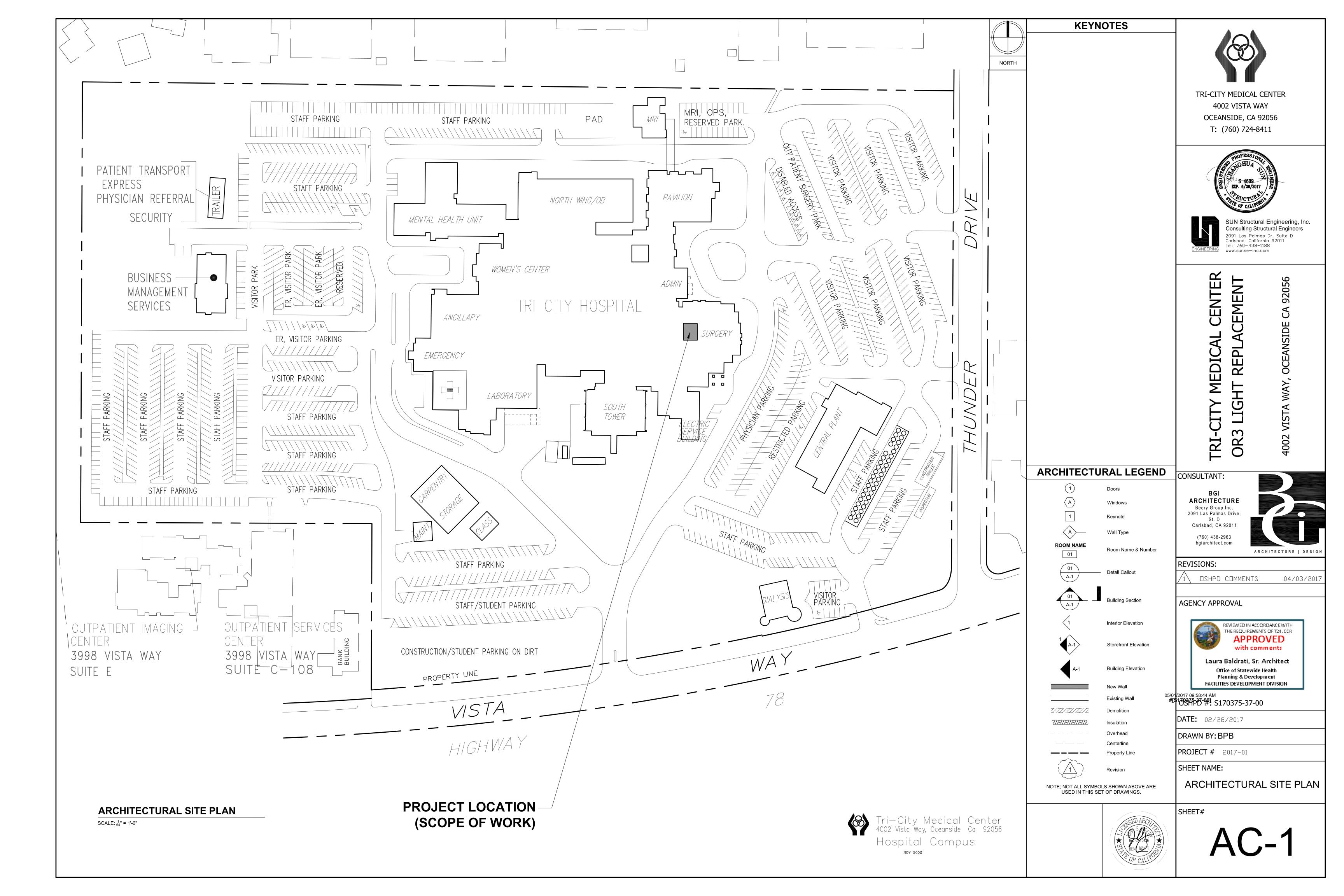
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TITLE SHEET



SHEET#





KEYNOTES

1) (E) ACCESSIBLE MAIN ENTRANCE 2) (E) ACCESSIBLE PATH OF TRAVEL, TYP. 3) (E) ACCESSIBLE PUBLIC TELEPHONE 4) (E) ACCESSIBLE PUBLIC TOILETS 5) (E) ACCESSIBLE PUBLIC DRINKING FOUNTAIN



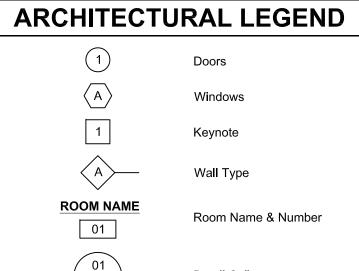
TRI-CITY MEDICAL CENTER 4002 VISTA WAY OCEANSIDE, CA 92056 T: (760) 724-8411



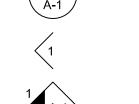
ENGINEERING www.sunse-inc.com

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

CENTER MEDICAL **IRI-CIT**



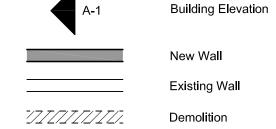
Detail Callout A-1

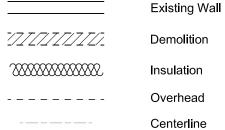


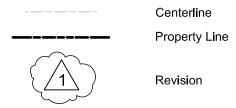


Building Section

Interior Elevation







NOTE: NOT ALL SYMBOLS SHOWN ABOVE ARE USED IN THIS SET OF DRAWINGS.



4002

REVISIONS:

OSHPD COMMENTS 04/03/201

AGENCY APPROVAL

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

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

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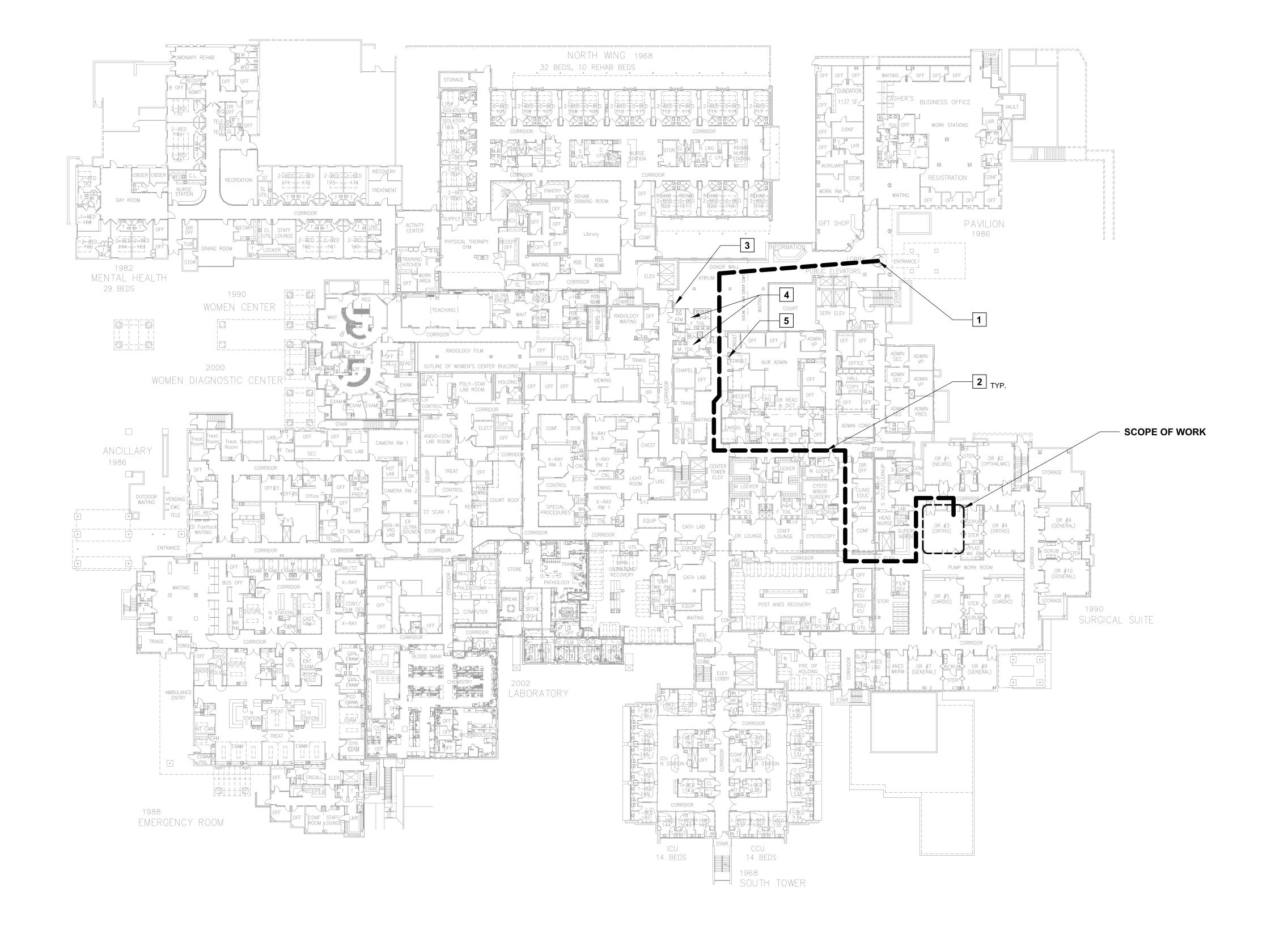
DATE: 02/28/2017 DRAWN BY: BPB

PROJECT # 2017-01

SHEET NAME:

ACCESSIBLE PATH OF TRAVEL

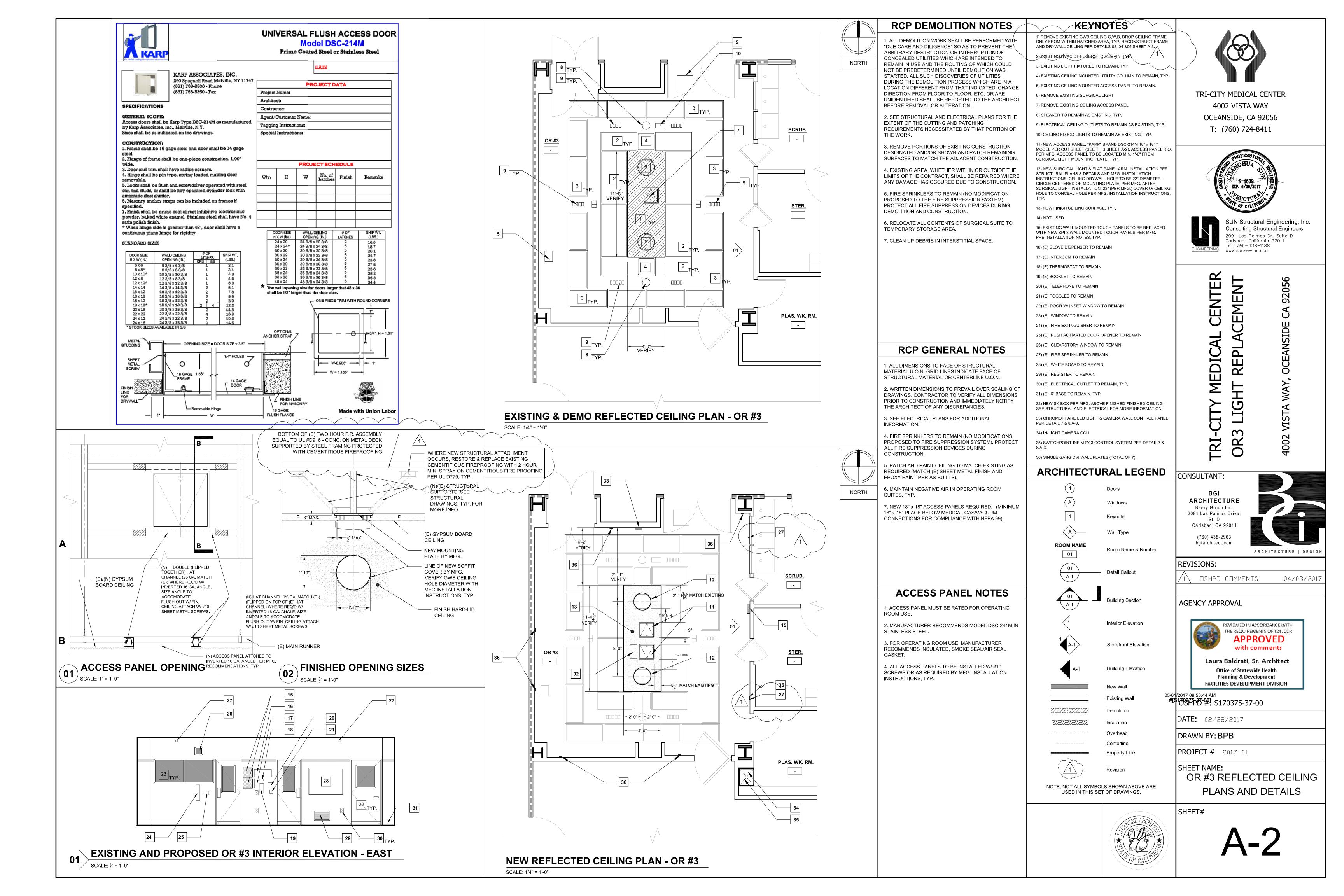
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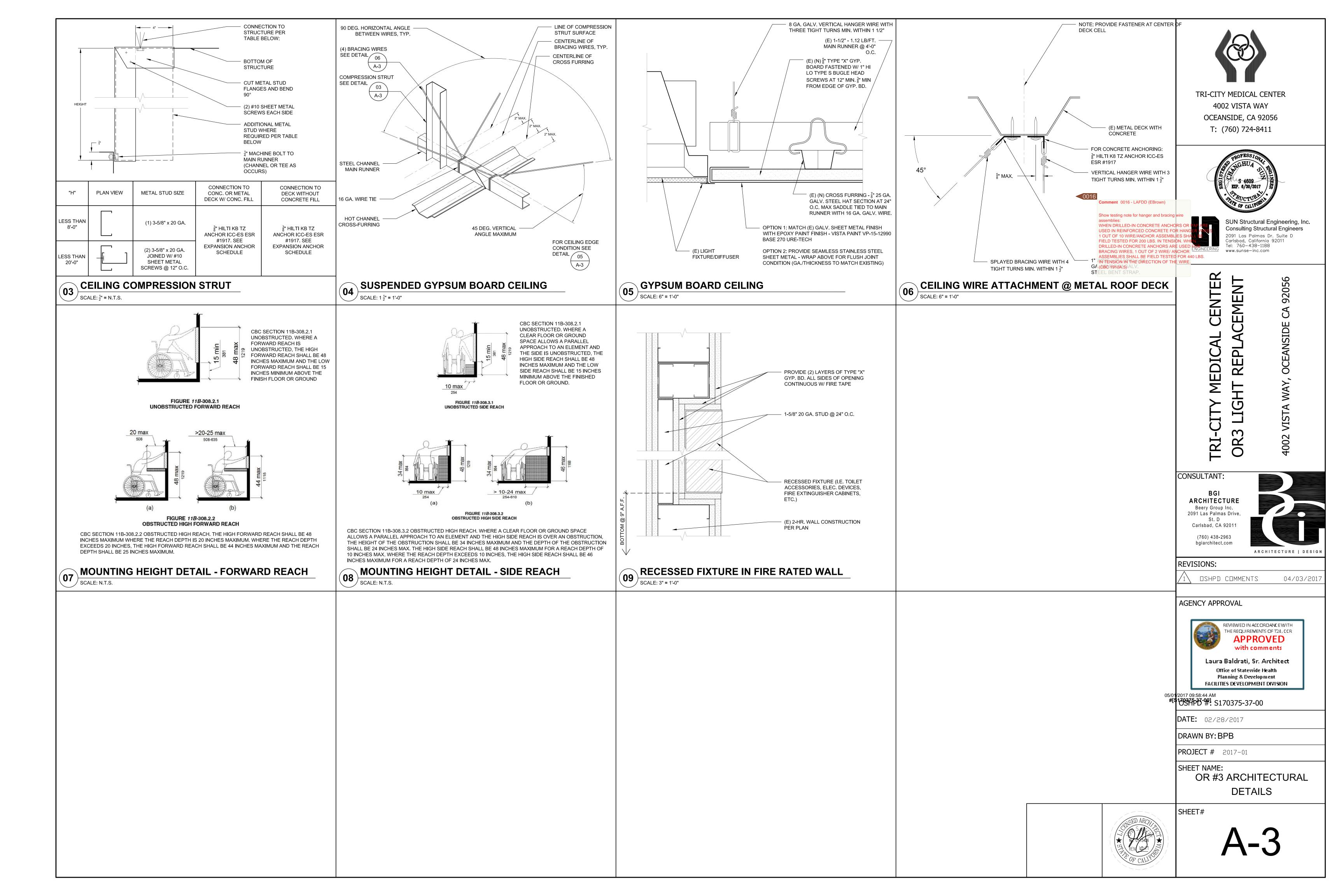


ACCESSIBLE PATH OF TRAVEL

SCALE: $\frac{1}{32}$ " = 1'-0"







GENERAL NOTES

- 1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, SITE CONDITIONS PRIOR TO STARTING CONSTRUCTION. THE OWNER AND STRUCTURAL ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES OR
- 2. THE OWNER 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 OWNER AND STRUCTURAL
- 3. THE STRUCTURAL DRAWINGS AND SPECIFICATIONS FOR CONSTRUCTION REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES INCLUDE, BUT NOT LIMITED TO, BRACING, SHORING, TO INSURE THE VERTICAL AND LATERAL STABILITY OF THE STRUCTURE. OBSERVATION VISITS TO THE SITE BY THE OWNER AND STRUCTURAL ENGINEER SHALL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS AND DOES NOT RELIEVE THE CONTRACTOR'S RESPONSIBILITIES.
- 4. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONFORMING TO ALL LOCAL, STATE AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS AND REGULATIONS. THE ARCHITECT AND STRUCTURAL ENGINEER WILL NOT ENFORCE SAFETY MEASURES OR REGULATIONS.
- 5. NOTES AND DETAILS ON THE DRAWINGS SHALL TAKE PRECEDENCE OVER THE GENERAL NOTES AND TYPICAL DETAILS. DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALES SHOWN ON THE DRAWINGS IN CASE OF CONFLICT.
- 6. ALL WORKS SHALL CONFORM TO THE STANDARDS OF THE 2016 CALIFORNIA BUILDING CODE.
- 7. A.S.T.M. SPECIFICATIONS NOTED ON THE DRAWINGS SHALL BE OF THE LATEST REVISION.
- 8. NO STRUCTURAL SUBSTITUTIONS OR CHANGES SHALL BE MADE IN THE FIELD. WRITTEN APPROVAL MUST BE OBTAINED FROM THE STRUCTURAL ENGINEER AND OSHPD FOR ANY SUBSTITUTIONS OR CHANGES FROM THE APPROVED CONSTRUCTION DOCUMENTS.
- 9. CONTRACTOR SHALL PROVIDE AND BE RESPONSIBLE FOR THE PROTECTION AND REPAIR OF ADJACENT EXISTING SURFACES AND AREAS WHICH MAY BE DAMAGED AS A RESULT OF NEW WORK.

STRUCTURAL STEEL:

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

STEEL ANGLES ASTM A36 STRUCTURAL TUBES A500, GRADE B STEEL PLATE ASTM A36

STEEL BOLT ASTM A307 HIGH STRENGTH STEEL BOLT ASTM A325

ALL WELDING SHALL CONFORM TO THE PROVISIONS OF THE LATEST EDITION OF AWS D1.1, "STRUCTURAL WELDING CODE-STEEL" OF THE AMERICAN WELDING SOCIETY AND SHALL BE PERFORMED BY CERTIFIED WELDERS QUALIFIED UNDER THE PROCEDURES CONTAINED

ALL STEEL MEMBERS TO BE PRIME PAINTED.

EXPANSION ANCHOR BOLTS

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

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

2. ALL ANCHORS SHALL BE TESTED BASED ON THE FOLLOWING CRITERIA: (INSTALLED IN NORMAL WEIGHT CONCRETE WITH MIN. fc' = 2500 PSI)

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

MINIMUM ANCHOR EMBEDMENT SHALL BE 2" FOR 3/8" HILTI KB TZ BOLTS.

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. WHEN INSTALLING INTO 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 1" MINIMUM CLEARANCE BETWEEN EXISTING REINFORCEMENT AND THE

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

TESTING SHOULD OCCUR A MINIMUM 24 HOURS AFTER INSTALLATION OF THE 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 MAINTAIN 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 EXCEPTIONS: 1. WEDGE OR SLEEVE TYPE:

ONE-QUARTER $(\frac{1}{4})$ turn of the nut for A $\frac{3}{8}$ in. Sleeve anchor

2. THREADED TYPE:

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

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

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

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

SEISMIC LOAD

SEISMIC DESIGN CATEGORY "D"

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: $a_p = 2.5, R_P = 2.5$

COLD-FORMED STEEL FRAMING

- DESIGN, MANUFACTURE AND INSTALLATION OF LIGHT GAGE, COLD-FORMED STEEL JOISTS, PURLINS AND STUDS SHALL CONFORM WITH THE LATEST EDITION OF THE LIGHT GAGE, COLD-FORMED STEEL DESIGN MANUAL ISSUED BY THE 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 METAL FRAMING ICC-ESR# 1166P
- ALL WELDING SHALL BE IN CONFORMANCE WITH AWS D1.3 "STRUCTURAL WELDING CODE - SHEET STEEL". QUALIFICATION OF WELDERS SHALL BE IN ACCORDANCE WITH AWS D1.1, CHAPTER 5, PART C, "WELDER QUALIFICATION". SEE LATEST EDITION OF THE AISI SPECIFICATIONS FOR THE "DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS" FOR ALLOWABLE WELD
- 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 50 KSI. IDENTIFICATION OF SSMA PRODUCTS

MEMBER DEPTH: FLANGE WIDTH: $3.62" = 362 \times 1/100 \text{ INCHES}$ $2" = 200 \times 1 / 100 \text{ INCHES}$ ALL MEMBER DEPTHS ARE TAKEN IN 1/100 INCHES ALL FLANGE WIDTH ARE TAKEN FOR ALL "T" SECTIONS MEMBER DEPTH IS THE IN 1/100 INCHES INSIDE TO INSIDE DIMENTION MATERIAL THICKNESS: 0.054" = 54 MILS (16 GA.) MATERIAL THICKNESS IS THE S = STUD OR JOIST SECTIONSMIN. BASE METAL THICKNESS

EXAMPLE	

T = TRACK SECTIONS

<u>CC</u>	LD-FORMED	STEEL STUDS	PROPERTIES
IDENTIFICATION	MEMBER DEPTH	FLANGE WIDTH	MATERIAL THICKNESS
362S162-54	3.62"	1.625"	16 GA.
600T200-54	6"	2"	16 GA.

REPRESENTS 95% OF THE

DESIGN THICKNESS



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CONSULTANT:

REVISIONS:

OSHPD COMMENTS 4-3-2017

AGENCY APPROVAL



Office of Statewide Health Planning & Development

FACILITIES DEVELOPMENT DIVISION 05/01/2017 09:58:44 AM #[\$1087FPB-\frac{4}{9}] \$170375-37-00

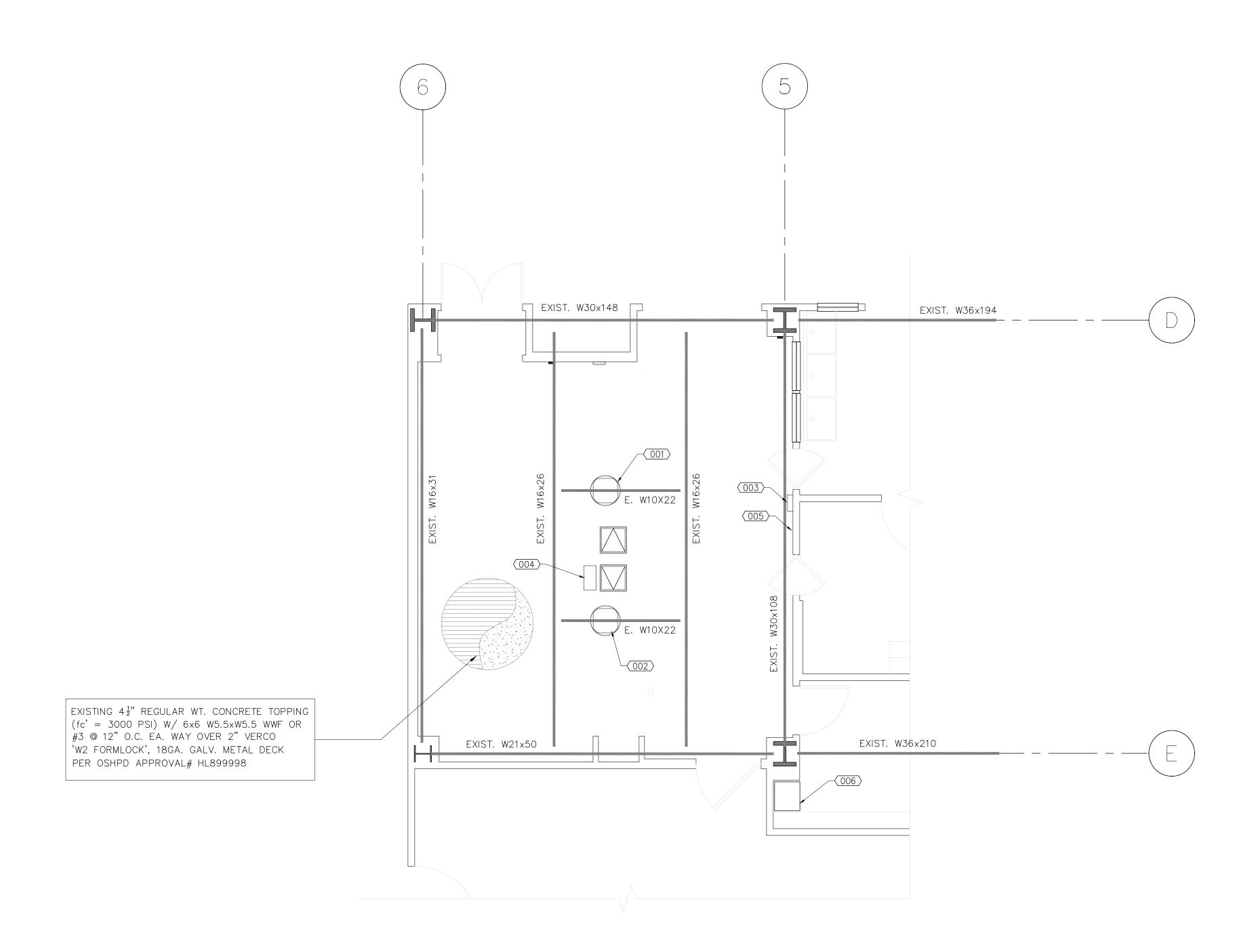
DATE: 02/28/17

DRAWN BY:

PROJECT # SHEET NAME:

GENERAL NOTES

SHEET#



PARTIAL EXISTING ROOF FRAMING PLAN

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

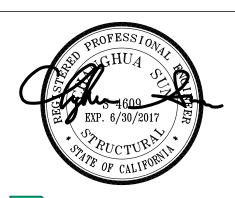
NOTES

- 1. DO NOT SCALE THESE DRAWINGS. PRIOR TO START OF CONSTRUCTION, ALL DIMENSIONS AND ELEVATIONS MUST BE VERIFIED WITH THE APPRD. SET OF ARCHITECHURAL DRAWINGS. IN CASE OF DISCREPENCIES, STRUCTURAL ENGINEER OF RECORD MUST BE NOTIFIED IN WRITING.
- 2. ALL EXISTING MEMBER SIZES, SPACING, & DIMENSIONS MUST BE FIELD VERIFIED. IN CASE OF DISCREPANCIES STRUCTURAL ENGINEER MUST BE NOTIFIED IN WRITING.
- 3. THE EXISTING ROOF FRAMING PLAN IS BASED ON THE OSHPD APPROVED STRUCTURAL DRAWING, APPROVAL# HL 899998.

	EQUIPMENT SCHEDU			
EQUIPMENT #	DESCRIPTION	WEIGHT (APPROX.)	ANCHORAGE DETAILS	COMMENTS
(001)	CHROMOPHARE F628/F628 LIGHTS W/ SINGLE FLAT PANEL	319 LBS	(1) (SD1)	
(002)	CHROMOPHARE F628 LIGHT W/ SINGLE FLAT PANEL	221 LBS	(1) (SD1)	
(003)	SPI3 REMOTE TOUCH PANEL	10 LBS	3 SD2	SURFACE MOUNTED ON WALL
(004)	SK ENCLOSURE WITH TWO BOXES	150 LBS	2 SD1 3 SD1	ABOVE CEILING
(005)	LIGHT CONTROL BOX	15 LBS	3 SD2	SURFACE MOUNTED ON WALL
(006)	JUNCTION BOX SWITCHPOINT INFINITI 3	10 LBS	(6 SD2)	FLUSH MOUNTED ON WALL BOTTOM OF BOX TO BE AT 9" ABOVE FINISH FLOOR



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MEDICAL

CONSULTANT:

REVISIONS:

OSHPD COMMENTS 4-3-2017

AGENCY APPROVAL



FACILITIES DEVELOPMENT DIVISION

05/01/2017 09:58:44 AM #[\$1<mark>70375</mark>-37-00] **S170375-37-00**

DATE: 02/28/17

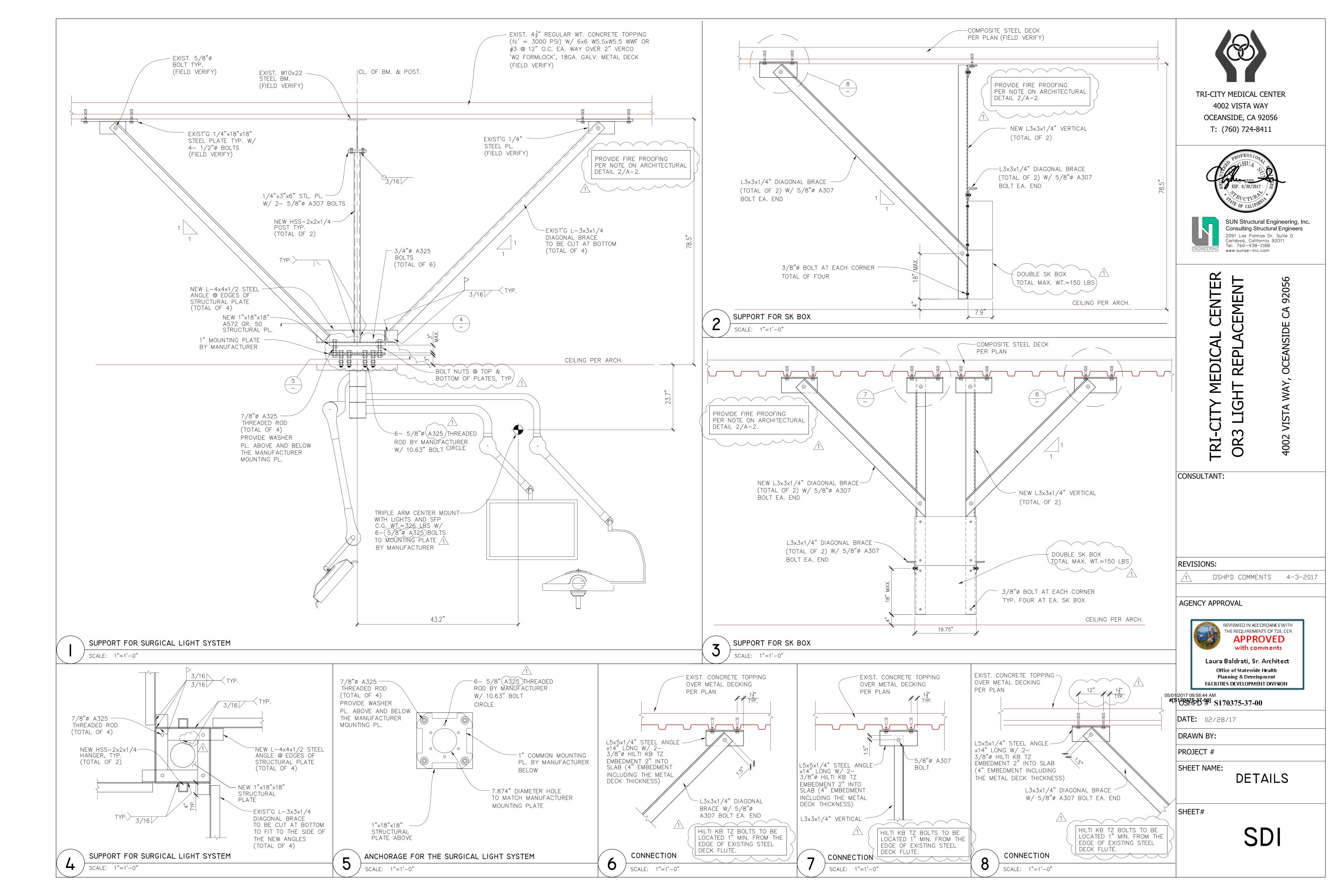
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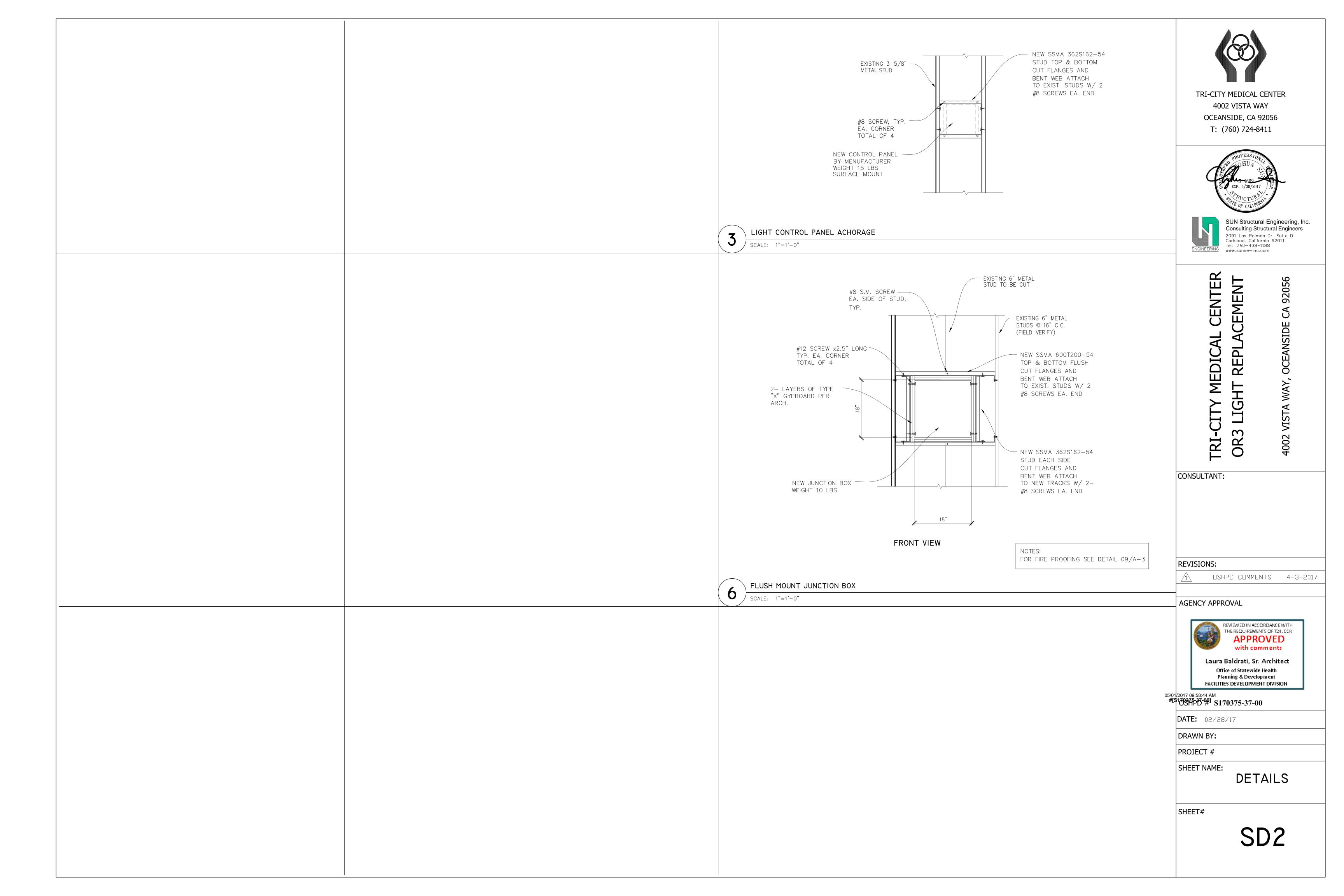
SHEET NAME:

PROJECT #

PARTIAL EXISTING ROOF FRAMING PLAN

SHEET#



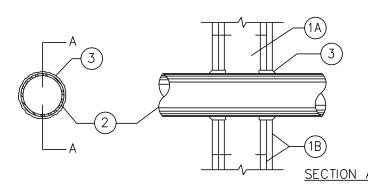


FIRE PENETRATIONS NOTE

ALL PENETRATIONS OF FIRE RESISTIVE FLOORS, WALLS OR CEILING SHALL BE PROTECTED BY MATERIALS AND INSTALLATION DETAILS THAT CONFORM TO U.L. (UNDERWRITERS LABORATORY) LISTINGS FOR THROUGH PENETRATION FIRE STOP SYSTEMS, AND SHALL BE A TESTED ASSEMBLY APPROVED BY THE FIRE MARSHAL. THIS INCLUDES, BUT IS NOT LIMITED TO, ALL RACEWAY PENETRATIONS AND ELECTRICAL OUTLET BOXES RECESSED IN OPPOSITE SIDES OF RATED WALLS WITH LESS THAN A 24" HORIZONTAL OFFSET. THE CONTRACTOR SHALL SUBMIT SHOP DRAWING DETAILS, FURNISHED BY THE MANUFACTURER OF THE FIRE STOP MATERIAL WHICH SHOW COMPLETE CONFORMANCE TO THE U.L. LISTING, TO THE ARCHITECT. THESE DRAWINGS SHALL BE AVAILABLE TO THE FIRE MARSHAL. THE SHOP DRAWINGS SHALL BE SPECIFIC FOR EACH PENETRATION WITH ALL VARIABLES DEFINED. SEE TYPICAL FIRE PENETRATION DETAIL BELOW.

PENETRATION SEAL AT RATED PARTITIONS:

UL SYSTEM NO. WL1001 F RATINGS - 1, 2, 3 AND 4 HR. (SEE ITEMS 2 AND 3) T RATINGS - 0, 1, 2, 3 AND 4 HR. (SEE ITEM 3)
L RATING AT AMBIENT - LESS THAN 1 CFM/SQ. FT. (SEE ITEM 3) L RATING AT 400 F - LESS THAN 1 CFM/SQ. FT. (SEE ITEM 3)



- 1. WALL ASSEMBLY-THE 1, 2, 3, OR 4 HR FIRE-RATED GYPSUM WALLBOARD/ STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL U300 OR U400 SERIES WALL OR PARTITION DESIGNS IN THE UL FIRE FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
- A. STUDS-WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS (MAX 2 HR FIRE RATED ASSEMBLIES) OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. LUMBER SPACE 16 IN OC WITH NOM 2 B Y 4 IN. LUMBER END PLATES AND CROSS BRACES. STEEL STUDS TO BE MIN. 3-5/8 IN. WIDE BY 1-3/8 IN. DEEP CHANNELS SPACED MAX 24 IN. OC.
- . WALLBOARD, GYPSUM*-NOM 1/2 OR 5/8 IN. THICK, 4 FT. WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM WALLBOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX. DIAM. OF OPENING IS 13-1/2 IN.
- 2. PIPE OR CONDUIT-NOM 12 IN. DIA (OR SMALLER) SERVICE WEIGHT (OR HEAVIER) CAST IRON SOIL PIPE, NOM 12 IN. DIA (OR SMALLER) CLASS 50 (OR HEAVIER) DUCTILE IRON PRESSURE PIPE, NOM 6 IN. DIA (OR SMALLER) STEEL CONDUIT, NOM 4 IN. DIAM (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING OR TYPE L OR (OR HEAVIER) COPPER TUBING OR NOM 1 IN. DIA (OR SMALLER) FLEXIBLE STEEL CONDUIT. WHEN COPPER PIPE OR FLEXIBLE STEEL CONDUIT IS USED, MAX F RATING OF FIRESTOP SYSTEM (ITEM 3) IS 2 H. STEEL PIPES OR CONDUITS LARGER THAN NOM 4 IN. DIA MAY ONLY BE USED IN WALLS CONSTRUCTED USING STEEL CHANNEL STUDS. A MAX OF ONE PIPE OR CONDUIT IS PERMITTED IN THE FIRESTOP SYSTEM. PIPE OR CONDUIT TO BE INSTALLED NEAR CENTER OF STUD CAVITY WIDTH AND TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY.
- 3. FILL, VOID, OR CAVITY MATERIAL* CAULK FILL MATERIAL INSTALLED TO COMPLETELY FILL ANNULAR SPACE BETWEEN PIPE OR CONDUIT AND GYPSUM WALLBOARD AND WITH A MIN 1/4 IN. DIA BEAD OF CAULK APPLIED TO PERIMETER OF PIPE OR CONDUIT AT AT ITS EGRESS FROM THE WALL. CAULK INSTALLED SYMMETRICALLY ON BOTH SIDES OF WALL ASSEMBLY. THE HOURLY F RATING OF THE FIRESTOP SYSTEM IS DEPENDENT UPON THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS SHOWN IN THE FOLLOWING TABLE. THE HOURLY T RATING OF THE FIRESTOP SYSTEM IS DEPENDENT UPON THE TYPE OR SIZE OF THE PIPE OR CONDUIT AND THE HOURLY

FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS TABULATED BELOW:

MAX PIPE OR CONDUIT DIA, INCHES		F RATING, HOUR	T RATING, HOUR
1	0 TO 3/16	1 OR 2	0+, 1 OR 2
1	1/4 TO 1/2	3 OR 4	3 OR 4
4	0 TO 1/4	1 OR 2	0
4	0 TO 1-1/2#	1 OR 2	0
6	1/4 TO 1/2	3 OR 4	0
12	3/16 TO 3/8	1 OR 2	0

+WHEN COPPER PIPE IS USED, T RATING IS 0 H. #0 TO 1-1/2 IN. ANNULAR SPACE APPLIES ONLY WHEN TYPE CP-25 WB+ CAULK IS USED.

MINNESOTA MINING & MFG. CO.-TYPES CP-25 S/L, CP-25 N/S, CP-25 WB, CP-25 WB+. (NOTE: L RATINGS APPLY ONLY WHEN TYPE CP-25 WB CAULK IS USED.) *BEARING THE UL CLASSIFICATION MARKING

FIRE PENETRATION DETAIL

NO SCALE

ALL CONDUIT PENETRATIONS THROUGH WALLS SHALL COMPLY WITH THIS DETAIL.

OSHPD FIRE MARSHAL NOTES

- 1. ALL ELECTRICAL, MECHANICAL AND SYSTEMS PENETRATIONS THROUGH RATED ASSEMBLIES SHALL BE FIRE-STOPPED WIDTH AN APPROVED MATERIAL AS PRESCRIBED IN CBC714. SEAL WITH AN APPROVED FIRE COMPOUND OF WHERE SERVICES PENETRATE AN AREA SEPARATION WALL, THE SECTION PASSING THRU THE WALL SURFACE AND THE FIXTURE CONNECTIONS THERETO SHALL BE ONLY OF METAL.
- ALL PENETRATIONS THROUGH FIRE RATED WALLS, FLOORS AND CEILINGS SHALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF HOT GASSES WHEN SUBJECTED TO THE REQUIREMENTS OF A.S.T.M. E-814 OR UL1479 AND AS PRESCRIBED IN CBC 714.

WIRING SYMBOLS

HOME RUN. 3/4" CONDUIT, 2 #12 & 1 #12 GROUND, UNLESS OTHERWISE NOTED.

A-1,3,5 NOTE: HOME RUN SHALL BE FROM FIRST ELECTRICAL DEVICE BACKBOX IN CIRCUIT TO ELECTRICAL PANEL

A-1.3.5 ELECTRICAL CIRCUIT, 'A' INDICATES PANEL, 1,3.5 INDICATES POLE

NUMBER INDIVIDUAL CIRCUITS SHOWN BY EQUIPMENT

BRANCH CIRCUIT POWER WIRING

————III GROUND CONNECTION

----O CONDUIT DOWN

— CONDUIT UP

GENERAL NOTES

- ALL ELECTRICAL WORK TO BE IN ACCORDANCE WITH LATEST REQUIREMENTS OF THE CEC AND ALL OTHER APPLICABLE CODES AND REGULATIONS OF AUTHORITIES HAVING JURISDICATION OVER THE WORK
- ALL ELECTRICAL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE PROJECT SPECIFICATIONS AND ALL OTHER RELATED CONTRACT DRAWINGS.
- COORDINATE WORK WITH OTHER TRADES AND INSTALL CONDUIT AND BOXES TO CLEAR, DUCTS, OPENINGS, ETC AND INCLUDING ALL STRUCTURAL FEATURES.
- 4. ALL WIRE SHALL BE A MINIMUM #12 (COPPER) UNLESS OTHERWISE NOTED. ALL HOME RUNS 100 FT AND LOMGER SHALL BE MINIMUM # 10 WIRE (120/208V SYSTEM ONLY). INSULATION TYPE SHALL BE THHN.
- CONDUIT RUNS SHOWN ARE DIAGRAMMATICAL. THE CONTRACTOR SHALL INSTALL CONDUITS IN THE MOST EFFICIENT ROUTE BETWEEN TERMINATIONS AND AVOIDING INTERFERENCE WITH OTHER UTILITY LINES AND FEATURES OF OTHER DISCIPLINES.
- EXPOSED CONDUITS ON WALLS AND CEILINGS TO RUN PARALLEL OR PERPENDICULAR TO WALLS, CEILINGS AND FLOORS.
- THE CONTRACTOR SHALL CAREFULLY EXAMINE ALL CONTRACT DRAWINGS/SPECIFICATIONS AND BE RESPONSIBLE FOR THE PROPER FITTING OF MATERIALS AND EQUIPMENT AT EACH LOCATIONS AS INDICATED, WITHOUT SUBSTANTIAL ALTERATION. IN AS MUCH AS THE DRAWINGS ARE GENERALLY DIAGRAMMATIC AND BECAUSE OF THE SMALL SCALE OF THE DRAWINGS IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, FITTINGS AND ACCESSARIES WHICH MAY BE REQUIRED. FURNISHING SUCH FITTINGS TO MEET SUCH CONDITIONS SHALL BE AT NO COST TO THE UNIVERSITY'S REPRESENTATIVE .
- THE CONTRACTOR SHALL EXAMINE THE SITE AND OBSERVE THE CONDITIONS UNDER WHICH THE WORK WILL BE DONE OR OTHER CIRCUMTANCES WHICH WILL EFFECT THE CONTEMPLATED WORK. NO ALLOWANCE WILL BE MADE SUBSEQUENTLY IN CONNECTION WITH ANY ERROR OR NEGLIGENCE ON THE CONTRACTORS PART.
- . THE CONTRACTOR SHALL VERIFY EXACT LOCATION, SIZE AND EXTENT OF ALL EXISTING UTILITIES, OBSTRUCTIONS AND/OR OTHER CONDITIONS WHICH MAY AFFECT THE PROPOSED WORK UNDER THE PROJECT. THE CONTRACTOR SHALL TAKE EVERY PRECAUTION TO PREVENT DAMAGE TO EXISTING WORK AND SHALL REPAIR ANY DAMAGE AS A RESULT OF THIS WORK.
- 10. UNLESS OTHERWISE NOTED FOR INTERIOR WORK, THE FOLLOWING TYPES OF CONDUITS SHALL BE USED: A. CONCEALED IN SPACE ABOVE HUNG CEILING AND WALL: EMT CONDUIT.
- 11. ALL FEEDERS AND BRANCH CIRCUITS SHALL CONSIST OF CONDUITS AND WIRES. SIZE AS SHOWN ON DRAWINGS AND SHALL MEET CEC REQUIREMENTS. INSTALL GREEN GROUNDING WIRE IN ALL BRANCH CIRCUIT CONDUIT.
- 12. AC AND NM CABLES SHALL NOT BE USED.

ELECTRICAL J-BOX

 \Rightarrow

 \Rightarrow

ANNOTATIONS

	AMMOTATI	$O(\sqrt{3})$	
1 E1.01	— INDICATES DETAIL NUMBER — SHEET NUMBER TO FIND DETAIL	X	SPECIFIC NOTE/ REFERENCE NOTE
AC 1	— MOTOR TYPE — SCHEDULE NUMBER	⟨x⟩	RISER TAG
•	POINT OF CONNECTION	#	REVISION LIGHT FIXTURE TYPI
•	POINT OF DISCONNECTION	(#)	LIGHT FIXTURE TTP

POWER SYMBOLS

EXISTING DUPLEX RECEPTACLE MOUNTED 18" AFF. UON EXISTING RECEPTACLE MOUNTED 18" AFF. (CRITICAL POWER) NEMA 5-20R NEW RECEPTACLE MOUNTED 18" AFF. (CRITICAL POWER) NEMA 5-20R ELECTRICAL SURFACE MOUNTED BRANCH CIRCUIT PANEL 208/120V ELECTRICAL FLUSH MOUNTED BRANCH CIRCUIT PANEL 208/120V

ABBREVIATIONS

	– A –		– M –
Α	AMPERE	MCB	MAIN CIRCUIT BREAKER
AFF	ABOVE FINISHED FLOOR		- N -
BLDG	– B – BUILDING	N	NEUTRAL
C CB CKT	- C - CONDUIT CIRCUIT BREAKER CIRCUIT	Ø PNL PWR	- P - PHASE PANEL POWER - R -
EG	– E – EQUIPMENT GROUND	RECEPT RM	RECEPTACLE ROOM
G, GND	– G – GROUND	UON	– U – UNLESS OTHERWISE NOTED
JB	- J - JUNCTION BOX - K -	V VA	– V – VOLT OR VOLTAGE VOLT AMPERE
KV KVA KW	KILOVOLT KILOVOLT AMPERE KILOWATT	W	- W - WATT

COMMUNICATION SYMBOLS

ONE-LINE SYMBOLS

TELEPHONE/DATA OUTLET

TRANSFORMER CIRCUIT BREAKER WITH AMP FRAME OVER AMP TRIP

GENERAL NOTES

- 13. ELECTRICAL UTILITY SEISMIC BRACING NOTES
- 1. SUPPORTS AND ATTACHMENTS OF ALL EQUIPMENT TO BE INSTALLED AS A PART OF THIS PROJECT SHALL BE DETAILED ON THE CONSTRUCTION DOCUMENTS, EXCEPT THOSE EXEMPT BY THE 2013 CBC, SECTION 1616A.1.18.
- 2. EQUIPMENT SUPPORTS AND ANCHORAGE SHALL BE APPROVED BY THE APPROPRIATE DESIGN PROFESSIONAL OF RECORD (RDP) AND OSHPD AS A PART OF FIELD REVIEWS/OBSERVATIONS. THE INSPECTOR OF RECORD (IOR) SHALL ASSURE THAT THE ABOVE REQUIREMENTS ARE ENFORCED.
- 3. SEISMIC RESTRAINTS FOR ELECTRICAL RACEWAYS MAY BE OMITTED FOR ANY OF THE FOLLOWING CONDITIONS:
- a. CONDUITS, CABLE TRAYS, AND OTHER ELECTRICAL DISTRIBUTION SYSTEMS (RACEWAYS) SUSPENDED FROM HANGERS WHERE EACH HANGER IN THE UTILITY RUN IS 12 INCHES OR LESS IN LENGTH. WHERE ROD HANGERS WITH A DIAMETER GREATER THAN 3/8-INCH ARE USED, THEY SHALL BE EQUIPPED WITH SWIVELS TO PREVENT INELASTIC BENDING IN THE ROD. (CBC 1616A.1.23).
- b. TRAPEZE ASSEMBLIES USED TO SUPPORT RACEWAYS WHERE THE TOTAL WEIGHT OF THE UTILITIES SUPPORTED BY TRAPEZE ASSEMBLIES IS LESS THAN 10 LBS/FT (CBC 1616A.1.23).
- c. ELECTRICAL CONDUIT LESS THAN OR EQUAL TO 2.5-INCH TRADE SIZE (CBC 1616A.1.23).
- 4. SEISMIC BRACING OF RACEWAYS: CONTRACTOR SHALL PROVIDE SUPPORTS, ATTACHMENTS AND BRACING FOR ELECTRICAL RACEWAYS IN ACCORDANCE WITH THE FOLLOWING SYSTEM POSSESSING A CURRENT OSHPD PREAPPROVAL OF MANUFACTURER'S CERTIFICATION (OPM):
- a. MASON INDUSTRIES, INC., OPM-0043-13

LAYOUT DRAWINGS OF THE SUPPORTS, ATTACHMENTS, AND BRACING SYSTEMS IN ACCORDANCE WITH THE PREAPPROVAL SHALL BE SUBMITTED TO THE REGISTERED DESIGN PROFESSIONAL (RDP) IN RESPONSIBLE CHARGE OF THE PROJECT FOR REVIEW TO VERIFY THAT THE DETAILS ARE IN CONFORMANCE WITH THE CODE REQUIREMENTS, AND FOR SUBMITTAL TO OSHPD FOR DEFERRED APPROVAL. THE LAYOUT DRAWINGS SHALL AS A MINIMUM SATISFY THE REQUIREMENTS OF ASCE 7 SECTION 13.6 AS MODIFIED BY THE 2013 CBC SECTION 1616A.

- a. THE STRUCTURAL ENGINEER OF RECORD (SEOR) SHALL VERIFY THAT THE SUPPORTING STRUCTURE IS ADEQUATE FOR THE FORCES IMPOSED ON IT THE SUPPORTS, ATTACHMENTS, AND BRACES INSTALLED IN ACCORDANCE WITH THE PREAPPROVAL IN ADDITION TO ALL OTHER
- b. THE SEOR SHALL FORWARD THE SUPPORTS, ATTACHMENTS, AND BRACING DRAWINGS (INCLUDING APPROVED AMENDED CONSTRUCTION DOCUMENTS FOR SUPPLEMENTARY FRAMING, WHERE REQUIRED) TO THE DISCIPLINE IN RESPONSIBLE CHARGE WITH A NOTATION INDICATING THAT THE DRAWINGS HAVE BEEN REVIEWED AND ARE IN GENERAL CONFORMANCE WITH THE PREAPPROVAL AND THE DESIGN OF THE
- c. THE SEOR SHALL DESIGN ANY SUPPLEMENTARY FRAMING THAT IS NEEDED TO RESIST THE LOADS, MAINTAIN STABILITY, AND/OR TO SATISFY THE INSTALLATION REQUIREMENTS OF THE PRE-APPROVED
- d. THE LAYOUT DRAWINGS, SUPPLEMENTARY FRAMING DRAWINGS, AND SUPPORTING STRUCTURAL CALCULATIONS FOR BOTH SHALL BE SUBMITTED TO OSHPD FOR DEFERRED APPROVAL FOR REVIEW OF THE
- VERIFICATION THAT STRUCTURE SUPPORTING THE DISTRIBUTION SYSTEM HAS ADEQUATE STRUCTURAL CAPACITY
- VERIFICATION THAT SEISMIC DESIGN FORCES (Fp) ARE IN ACCORDANCE WITH THE 2013 CBC
- VERIFICATION THAT SUBMITTAL IS WITHIN THE SCOPE OF THE OSHPD PREAPPROVAL OF MANUFACTURER'S CERTIFICATION (OPM). INCLUDING: SIZE OF DISTRIBUTION SYSTEM COMPONENTS. SPACING OF BRACING AND FLEX JOINTS, AND SUBSTRATE FOR

THE OSHPD-APPROVED LAYOUT DRAWINGS SHALL BE KEPT ON THE JOBSITE AT ALL TIMES AND SHALL BE USED FOR INSTALLATION OF THE SUPPORT AND BRACING. THE OSHPD FIELD STAFF WILL REVIEW THE INSTALLATION.

A COPY OF THE CHOSEN BRACING SYSTEM(S) INSTALLATION GUIDE/ MANUAL SHALL BE ON THE JOBSITE PRIOR TO STARTING THE INSTALLATION OF HANGERS AND / OR BRACES.

IOR WITH ONE COPY OF EACH. COMPONENTS OF TWO OR MORE PRE-APPROVED BRACING SYSTEMS SHALL

THE CONTRACTOR SHALL OBTAIN COPIES OF EACH OPM AND FURNISH THE

NOT BE MIXED. ONLY ONE PRE-APPROVED BRACING SYSTEM MAY BE USED FOR A RUN OF PIPE, DUCT OR CONDUIT. ANY SUBSTITUTION OF COMPONENT OF A PRE-APPROVED BRACING SYSTEM

SHALL REQUIRE OSHPD REVIEW AND APPROVAL.

- 14. NEW WORK IS SHOWN WITH DARK LINE WORK AND EXISTING IS SHOWN WITH LIGHT LINE WORK U.O.N.
- UPDATE PANEL DIRECTORY
- 16. NO SET SCREW CONNECTOR SHALL BE USED.
- 17. FLEXIBLE CONDUIT LENGTH SHALL NOT EXCEED 6'-0"
- 18. NEW EMERGENCY RECEPTACLE TO BE HOSPITAL GRADE AND RED IN COLOR (INCLUDING

APPLICABLE CODES

- 2016 CALIFORNIA ADMINISTRATIVE CODE (CAC) PART 1, TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR)
- 2016 CALIFORNIA BUILDING CODE (CBC) PART 2, TITLE 24, CCR
- BASED ON THE 2015 INTERNATIONAL BUILDING CODE (IBC) 2016 CALIFORNIA ELECTRICAL CODE (CEC)
- PART 3, TITLE 24, CCR BASED ON THE 2014 NATIONAL ELECTRICAL CODE (NEC)
- 2016 CALIFORNIA MECHANICAL CODE (CMC)
- PART 4, TITLE 24, CCR BASED ON THE 2015 UNIFORM MECHANICAL CODE (UMC)
- 2016 CALIFORNIA PLUMBING CODE (CPC) PART 5, TITLE 24, CCR
- BASED ON THE 2015 UNIFORM PLUMBING CODE (UPC)
- 2016 CALIFORNIA FIRE CODE (CFC) PART 9, TITLE 24, CCR
 - BASED ON THE 2015 INTERNATIONAL FIRE CODE (IFC)

NOT ALL SYMBOLS ARE APPLICABLE TO THIS PROJECT



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CONSULTANT:



17-SUN-01

04/03/2017

REVISIONS:

OSHPD COMMENTS

AGENCY APPROVAL



FACILITIES DEVELOPMENT DIVISION

#[\$150375-37-00] S170375-37-00

DATE: **02/28/17**

DRAWN BY:

PROJECT #

SHEET NAME: **ELECTRICAL LEGEND, SYMBOL**

ILIST. GENERAL NOTES & SINGLE LINE DIAGRAM

SHEET#

12396 World Trade Drive, Suite 103

Tel: 858/613-0447 Fax: 858/613-0634

San Diego, California 92128

www.edsinc-sd.com

E-1

DAT	E:			3/30/2017				PANEL \	/OLTAG	E:		208/120V	,	CKT CODE:	1=(CONTINUOUS LOA	ND)					
ΙΟΒ			TRI CITY MEDICAL CENTER PHA			PHASE 8	& WIRE:			3ph,4W			2=(NON-CONT. LOAD)								
PAN	EL:			1ECA (CRITICAL) (EXISTING)	,			3=(RECEPTACLES)	•												
AIC I	RATII	IG:		10,000				MAINS:	,		3	00A/3P MC	СВ		4=(KIT. EQUIPMENT)	,					
СК	Т	СВ		LOAD DESIGNATION				LOAD		PHASES		LOAD		LOAD DESI	· ,		CB CI		,		T
10.	CODE	TRIP	POLE	DESCRIPTION	MISC	REC	LITE	VA	A	В	С	VA	MISC	REC LITE	DESCRIPTION	TRIP	POLE	CODE	NC		
1	1	20	1	LTG. OR # 9				1410	1410	//////	111111				SPARE	20	1		2		
3	1	20	1	LTG. OR # 10				1360	111111	1360	111111				SPARE	20	1		4		
5	1	20	1	LTG. STOR/STER. 119, 120				530	111111	1/1/1/	530				SPARE	20	1		6		
7		20	1	SPARE						//////	111111				SPARE	20	1		8		
9	1	20	1	LTG. OR #3				1360	111111	1360	111111				SPARE	20	1		10		
1	1	20	1	LTG. OR #4				1360	111111	1/1/1/	1360				SPARE	20	1		12		
13	1	20	1	LTG. RM # 113,114,124,126				955	955	//////	111111				SPARE	20	1		14		
15		20	1	SPARE	1				1111111	1640	111111	1640			SUR. CAMERA SCRUB 114	20	1	3	16		
7	1	20	1	LTG. BSMT/LOCKER RM				550	111111	111111	1710	1160			SUR. CAMERA SCRUB 103	20	1	3	18		
9	1	20	1	LTG. BSMT/LOCKER RM				550	1710	//////	111111	1160			SUR. CAMERA SCRUB 120	20	1	3	20		
11		20	1	SPARE					111111	1445	111111	1445			LTG. OR # 1 RM 103	20	1	1	22		
:3		20	1	SPARE					111111	1/1/1/	1395	1395			LTG. OR # 2 RM 104	20	1	1	24		
:5	3	100	3	PANEL I2 (OR # 2)				3130	7980	//////	111111	7930			PANEL 13 (OR # 3)	100	3	3	26		
7	3							5460	111111	8970	111111	5360						3	28		
29	3							4030	111111	111111	8930	8580						3	30		
31	3	100	3	PANEL 14 (OR # 4)				4500	8190	//////	111111	3690			PANEL I10 (OR # 10)	100	3	3	32		
3	3							4200	111111	8910	//////	4710						3	34		
35	3							4850	111111	111111	9890	5040						3	36		
37	3	100	3	PANEL I9 (OR # 9)				3840	3840	//////	111111				SPACE				38		
39	3							5090	111111	5090	111111				SPACE				40		
11	3							4860	//////	//////	4860				SPACE				42		
			ļ				TO	ΓAL	24085	28775	28675	CONNE	CTED	KVA	81.5		1				
	ES: 									,		CONN.K	•	•	10.9 0.0						
												CONN.	(VA (C	ODE 3)	79.2						
												CONN.	(VA (C	ODE 4)	0.0						
													2 0511	AND 12:45							
3Y:				EW										AND KVA	58.3						
รรบ	E DA	IE:		20-Feb-17								FEEDER	K DEMA	AND AMPS	161.7						

LOAD CALCULATION SUMMARY PER PIN 38

PANEL 1ECA/ ECDPA

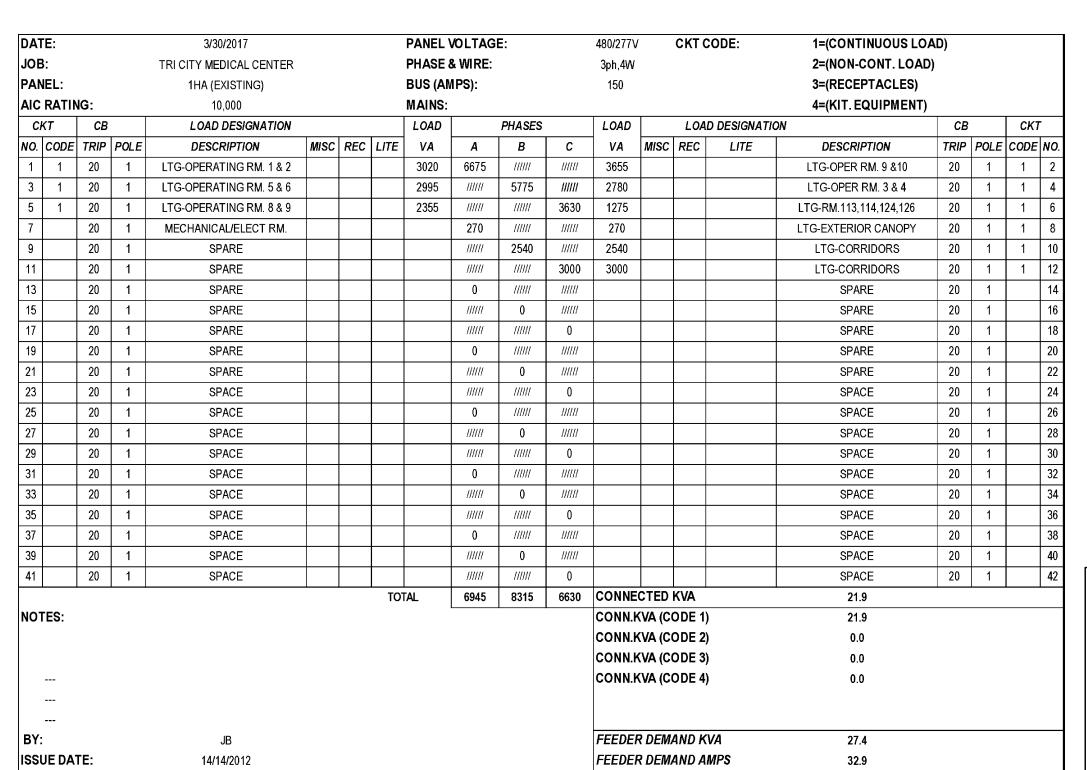
- 1. FOR LEVEL 1 PANEL 1ECA, ITS FEEDER AND FEEDER OVER CURRENT PROTECTIVE DEVICE HAVE BEEN CHECKED AND THAT SUFFICIENT LOAD CAPACITY EXISTS AT THIS POINT IN ELECTRICAL DISTRIBUTION SYSTEM.
- 2. FOR LEVEL 2 PANEL ECDPA, ITS FEEDER AND FEEDER OVER CURRENT PROTECTIVE DEVICE HAVE BEEN CHECKED AND THAT SUFFICIENT LOAD CAPACITY EXISTS AT THIS POINT IN ELECTRICAL DISTRIBUTION SYSTEM.

DAT				3/30/2017				PANEL \		E:		208/120V		CKT (CODE:	1=(CONTINUOUS LOA	•			
JOB				TRI CITY MEDICAL CENTER				PHASE 8				3P/4W				2=(NON-CONT. LOAD)			
PAN	EL:			13 (CRITICAL) EXISTING				BUS (AN	IPS):			100				3=(RECEPTACLES)				
AIC I	RATIN	IG:		10,000				MAINS:				100A/3P MI	3			4=(KIT. EQUIPMENT)				
СК	T	СВ		LOAD DESIGNATION				LOAD		PHASES		LOAD		LOA	D DESIG	NATION	CB		CK	Γ
NO.	CODE	TRIP	POLE	DESCRIPTION	MISC	REC	LITE	VA	Α	В	С	VA	MISC	REC	LITE	DESCRIPTION	TRIP	POLE	CODE	NO.
1	1	20	1	RECEP- CEILING CORD		3		540	1260	//////	111111	720		4		RECEP-ORBITER	20	1	3	2
3	1	20	1	RECEP- CEILING CORD		4		720	//////	1800	111111	1080		6		RECEP-ORBITER	20	1	3	4
5	1	20	1	RECEP- CEILING CORD		3		540	111111	//////	1440	900		5		RECEP-ORBITER	20	1	3	6
7	1	20	1	RECEP VIDEO MONITOR		1		180	540	//////		360		2		RECEP-ORBITER	20	1	3	8
9	1	20	1	RECEP SOUTH WALL	1			1140	1/1/1/	1980	111111	840		6		RECEP-FILM ILLUM	20	1	3	10
11	1	20	1	NEW SURGICAL LTG	1			250	1/1/1/	/////	490	240		4		RECEP FILM ILLUM	20	1	3	12
13	1	20	1	NEW SURGICAL LTG	1			250	970	111111	111111	720		4		RECEP WALL	20	1	3	14
15	1	20	1	SPACE	1			250	111111	970	111111	720		4		RECEPTACLE	20	1	3	16
17	3	20	1	NUPTUNE	1			1200	111111	111111	6000	4800	1			LASER	50	2	3	18
19	3	20	1	RECEP CEILING		2		360	5160	111111	111111	4800							3	20
21	3	20	1	RECEP CEILING		2		360	111111	720	111111	360	1			NEW SK BOX	20	1	3	22
23	3	20	1	RECEP CEILING		2		360	111111	111111	720	360	1			NEW SK BOX	20	1	3	24
25				BLANK					0	111111	111111					BLANK				26
			'				TO	TAL	7930	5470	8650	CONNE	CTED	KVA		22.1	•		•	
NOT	ES:							!		•	•	CONN.K	VA (C	ODE 1)	3.9				
	NSTA	LL 201 /	V1P CB	IN SPACE 22, 24								CONN.K	VA (C	DDE 2)	0.0				
												CONN.K	VA (C	DDE 3)	18.2				
												CONN.K	VA (C	DDE 4)	0.0				
BY:				EW								FEEDER	R DEMA	AND K	VA	18.9				
ISSU	E DA	TE:		20-Oct-16								FEEDER	R DEMA	AND A	MPS	52.5				
PAN	EL:			13 (CRITICAL) EXISTING																

LOAD CALCULATION SUMMARY PER PIN 38

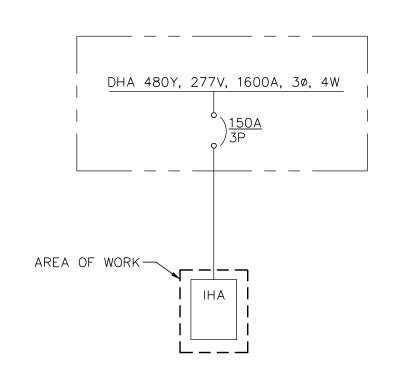
PANEL I3/ 1ECA

- 1. FOR LEVEL 1 PANEL I3, ITS FEEDER AND FEEDER OVER CURRENT PROTECTIVE DEVICE HAVE BEEN CHECKED AND THAT SUFFICIENT LOAD CAPACITY EXISTS AT THIS POINT IN ELECTRICAL DISTRIBUTION SYSTEM.
- 2. FOR LEVEL 2 PANEL 1ECA, ITS FEEDER AND FEEDER OVER CURRENT PROTECTIVE DEVICE HAVE BEEN CHECKED AND THAT SUFFICIENT LOAD CAPACITY EXISTS AT THIS POINT IN ELECTRICAL DISTRIBUTION SYSTEM.



PANEL:

1HA (EXISTING)

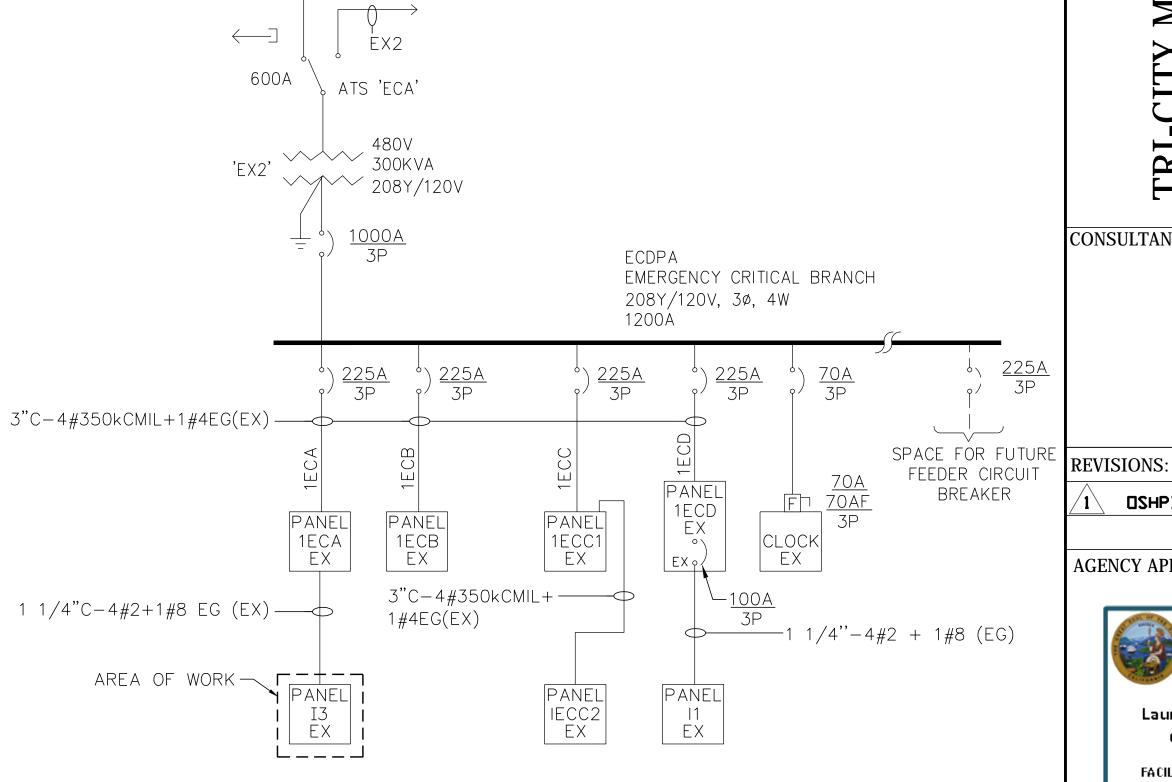


NORMAL POWER SINGLE LINE(PARTIAL) - EXISTING

LOAD CALCULATION SUMMARY PER PIN 38

PANEL 1HA/ DHA

- 1. FOR LEVEL 1 PANEL 1HA, ITS FEEDER AND FEEDER OVER CURRENT PROTECTIVE DEVICE HAVE BEEN CHECKED AND THAT SUFFICIENT LOAD CAPACITY EXISTS AT THIS POINT IN ELECTRICAL DISTRIBUTION SYSTEM.
- 2. FOR LEVEL 2 PANEL DHA, ITS FEEDER AND FEEDER OVER CURRENT PROTECTIVE DEVICE HAVE BEEN CHECKED AND THAT SUFFICIENT LOAD CAPACITY EXISTS AT THIS POINT IN ELECTRICAL DISTRIBUTION SYSTEM.



EMERGENCY POWER SINGLE LINE DIAGRAM - EXISTING (CRITICAL BRANCH)

TO 'EDPA'



TRI-CITY MEDICAL CENTER 4002 VISTA WAY OCEANSIDE, CA 92056 T: (760) 724-8411





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

92056

CA

OCEANSIDE

VISTA

4002

CENTER EMENT **MEDICAL** TRI

CONSULTANT:



OSHPD COMMENTS 04/03/2017

AGENCY APPROVAL



Office of Statewide Health Planning & Development FACILITIES DEVELOPMENT DIVISION

#[\$170375-37-00] S170375-37-00

DATE: **02/28/17**

DRAWN BY:

05/01/2017 09:58:44 AM

PROJECT #

SHEET NAME:

ELECTRICAL SINGLE LINE DIAGRAM & PANEL SCHEDULE

SHEET#

E-2

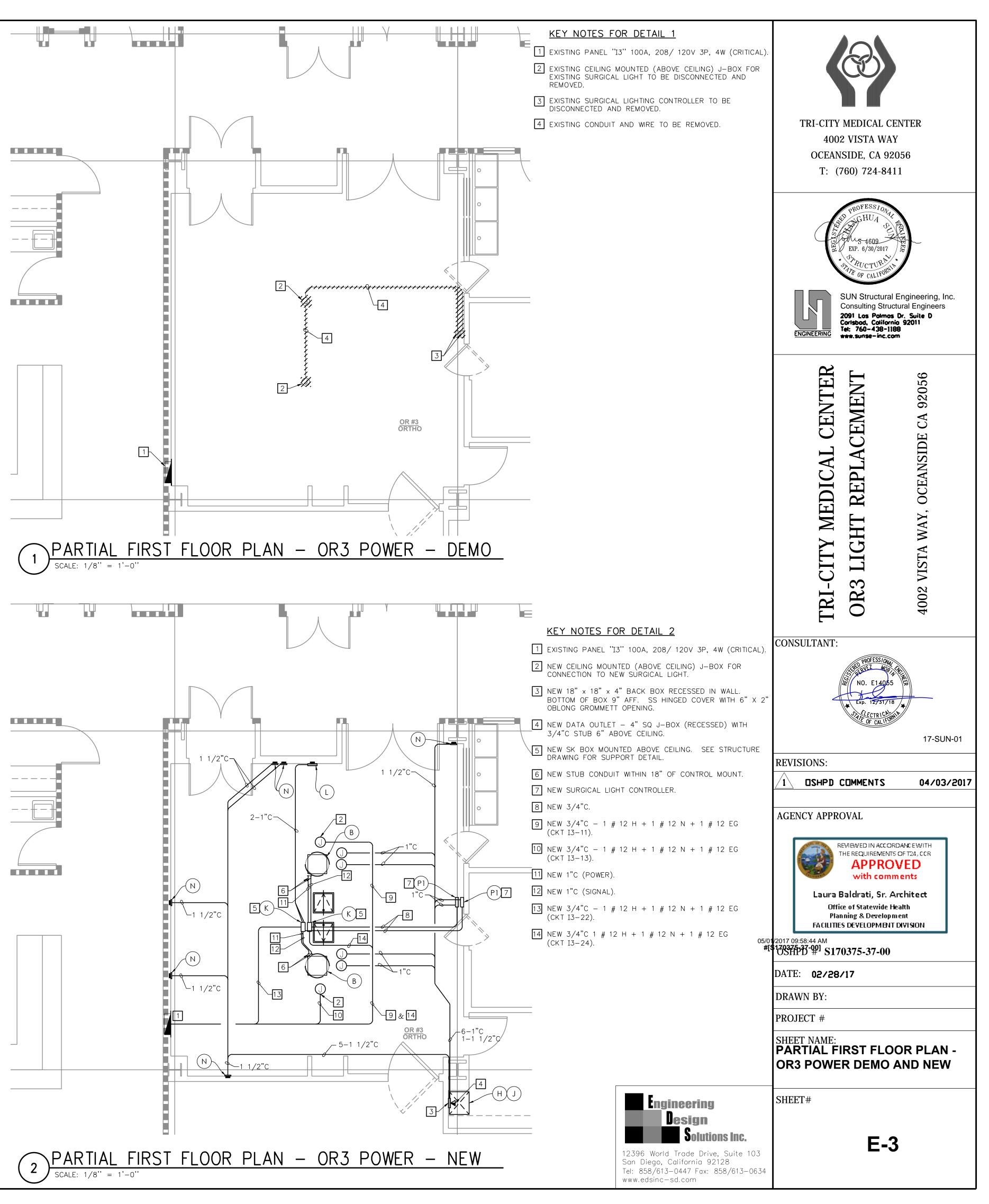
12396 World Trade Drive, Suite 103 San Diego, California 92128 Tel: 858/613-0447 Fax: 858/613-0634 www.edsinc-sd.com

Engineering

	EQUIPMENT SCHEDULE	CONDUIT SCHEDULE					
KEY	NAME	QTY	CONDUIT #	CONDUIT RUN	CONDUIT	CONDUIT	
ITEM				ITEM - ITEM	QTY	SIZE	
В	F628 NFC/F628 NFC/FP 1000mm & 900mm F628 NFC ARMS	2	1)	B - B	1	1"	
D	(EXISTING LOCATIONS)		2	B - H	1	1"	
Н	IN-LIGHT CAMERA CCU	1	3	B - J	1	1"	
J	SWITCHPOINT INFINITY 3	1	4	B - K	2	1"	
K	CHROMOPHARE SK BOX	2	(5)	K - L	1	1"	
	(LOCATED IN CEILING DETERMINED BY CONTRACTOR)		6	N - J	1	1 1/2"	
L	CHROMOPHARE LED LIGHT & CAMERA WALL CONTROL PANEL (EXISTING LOCATION	1	7	P1 - J	1	1"	
Ν	SINGLE GANG DVI WALL PLATES	8					
P1	WALL MOUNTED TOUCH PANEL	1					

NOTES: (UNLESS OTHERWISE SPECIFIED)

2. CC 3. CA	CONDUIT RUNS INCLUDE INSULATED BUSHINGS AND PULL STRINGS. ONDUIT RUNS CANNOT EXCEED 50' FROM END-TO-END. DO NOT EXCEED FOUR (4) 90 DEGREE BENDS. BLES BETWEEN ITEMS OVER 50 FEET IN LENGTH ARE PROVIDED BY THE CUSTOMER / CONTRACTOR. PLEASE
	FER TO EQUIPMENT LIST FOR CABLE SPECIFICATIONS. E PRE-INSTALL MANUAL REQUIREMENTS SUPERSEDE ALL PRE-INSTALL NOTES IN THIS DRAWING PACKAGE.
	PRE-INSTALL NOTES SCHEDULE
KEY ITEM	NAME
В	LIGHT/LIGHT/FP CONDUIT:
	- REFER TO ROOM LAYOUT FOR CONDUIT QUANTITY AND SIZE. TERMINATE ALL CONDUITS WITHIN 18" OF THE CENTER OF THE CEILING MOUNT.
Н	IN LIGHT CAMERA CCU CONDUIT: ONE (1) 1" CONDUIT. MAXIMUM LENGTH OF 45 FEET OF CONDUIT RUN FROM WITHIN 18" OF THE CENTER OF THE CEILING MOUNT TO EITHER A JUNCTION BOX USED FOR MOUNTING THE CAMERA CONTROL OR THE DOCUMENTATION STATION, PER CUSTOMER SPECIFICATION. POWER: ONE (1) STANDARD OUTLET WITHIN 4' OF CAMERA CONTROL BOX.
	**ROUTER WITHOUT DOC STATION
J	SWITCHPOINT INFINITY 3 DIMENSIONS: - MEDIA ROUTER: 20.6"W X 24"H X 17"D - CONTROL SECTION: 12.5"W X 2.6"H X 17"D - TOTAL SPACE REQUIRED: 27.5"W X 31"H X 29"D DATA: ONE (1) ETHERNET CONNECTION SPACE REQUIREMENTS: MUST ALLOW FOR A MINIMUM 2" CABLE PASSAGE BETWEEN ALL COMPONENTS HOUSED INSIDE. - SECTION HOUSING VIDEO ROUTER MUST HAVE AN INTERIOR DIMENSION OF AT LEAST 27.5"W X 31"H X 29"D. - SECTION HOUSING VIDEO ROUTER MUST BE VENTED. - MUST ALLOW FOR DIRECT ACCESS TO BACKBOXES PER REQUIREMENTS LISTED BELOW. POWER: RECOMMEND THREE (3) 20 AMP CIRCUITS AND THREE (3) QUAD OUTLETS FOR VIDEO ROUTER AND ANY ADDITIONAL STRYKER PROVIDED EQUIPMENT. - CIRCUITS REQUIRE CRITICAL POWER. BACKBOX: ONE (1) 18"W X 18"H X 4"D (OR LARGER) JUNCTION BOX FLUSH MOUNTED. - MOUNT BEHIND VIDEO ROUTER, SET BOTTOM OF BOX 9" ABOVE FINISHED FLOOR. NOTE: TERMINATE ALL INTEGRATION CONDUITS TO THIS JUNCTION BOX.
K	CHROMOPHARE SK BOX
K	CONDUIT: TWO (2) 1" FROM SK ENCLOSURE TO EACH LIGHT MOUNTING LOCATION, ONE (1) 1" BETWEEN LIGHT MOUNTING LOCATIONS, AND ONE (1) 1" FOR 120VAC TO SK BOX (UP TO THREE(3) LIGHTS PER CIRCUIT). MAXIMUM LENGTH OF 45 FEET (15M) OF CONDUIT RUN TO BOTH THE MOUNTING PLATE AND THE TO WALL CONTROL BOX. MUST BE EASILY ACCESSIBLE, EITHER BY INSTALLATION INTO A WALL, OR IN THE INTERSTITIAL SPACE WITH ACCESS PANEL. POWER: - AC WIRING: WIRING SHOULD BE 3 WIRE, 12AWG MIN., AND 600V, TERMINATED TO THE FUSED TERMINAL BLOCK INSIDE THE SK ENCLOSURE. (UP TO 3 LIGHTS PER SK BOX) - DC WIRING: WIRES SHOULD CONSIST OF 1 PAIR PER LIGHT HEAD AND 1 GROUND WIRE PER MOUNTING RING. WIRES TERMINATE AT THE NON-FUSED TERMINAL BLOCK INSIDE THE SK ENCLOSURE. WIRING SHOULD RUN FROM OUTPUT OF THE SK ENCLOSURE AND FALL A MINIMUM OF 18-INCHES BELOW THE CEILING AT THE MOUNTING RING.
L	CHROMOPHARE WALL CONTROL PANEL CONDUIT: ONE (1) 1" CONDUIT TO SK ENCLOSURE (ELECTRONICS). BACK BOX: ONE (1) STANDARD 4X4 JUNCTION BOX. POWER: NONE
N	DVI WALL PLATE CONDUIT: ONE (1) 1 1/2" CONDUIT BACK BOX: ONE (1) 4"W X 4"H JUNCTION BOX WITH SINGLE-GANG MUD RING - MOUNT THE J-BOX 18" ABOVE FINISHED FLOOR. POWER: NONE REQUIRED, BUT SHOULD BE LOCATED NEXT TO OUTLET.
P1	SPI-3 TOUCH PANEL (WALL MOUNTED) CONDUIT: ONE (1) 1" CONDUIT. BACK BOX: ONE (1) 4"W X 4"H JUNCTION BOX WITH SINGLE-GANG MUD RING - MOUNT J-BOX WITHIN 18" OF TOUCH PANEL LOCATION POWER: ONE (1) STANDARD OUTLET WITHIN 18" OF TOUCH PANEL LOCATION.







Contractor's Summary

CHROMOPHARE® Surgical Light SK Box Installation



or personnel.

This summary dimensional and loading data must be used in conjunction with the detailed information in the CHROMOPHARE® Pre-Installation Guide for the specific light model involved. Failure to include information from the Pre-Installation Guide could result ir a failure of the light to operate or a failure of the superstructure. Failure of the super structure could damage the light or the building or cause injury to patients

Many health care facilities order CHROMOPHARE® Surgical Lights for several different rooms or areas. Each of these units may be equipped differently. They may require different numbers of electric circuits, different numbers of low voltag cables, and different numbers and kinds of wall mount plates. Be sure to check the customer order documents for the specific requirements for your installation.

The information in this summary does not apply to wall mounted lights or to lights installed with Berchtold TELETOM® TC model Power Booms.

Copies of all Berchtold Pre-Installation Guides and most other technical literature are available from our Web site (<u>www.berchtoldusa.com</u>), by calling 800-243-5135, or by Faxing 843-569-6133.

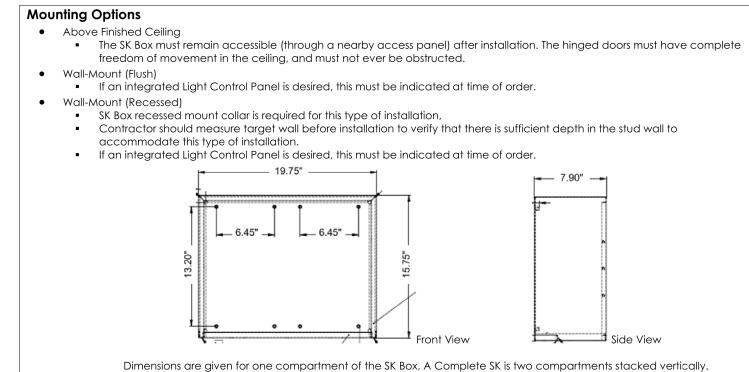
SK Box Mounting General Information

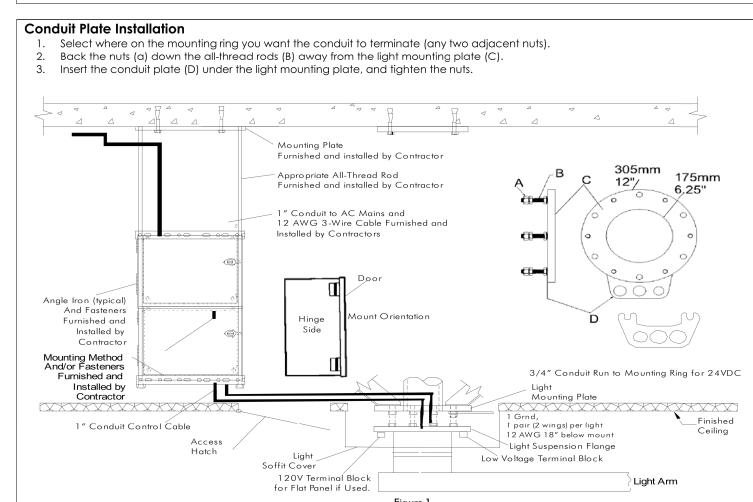
Number of Units

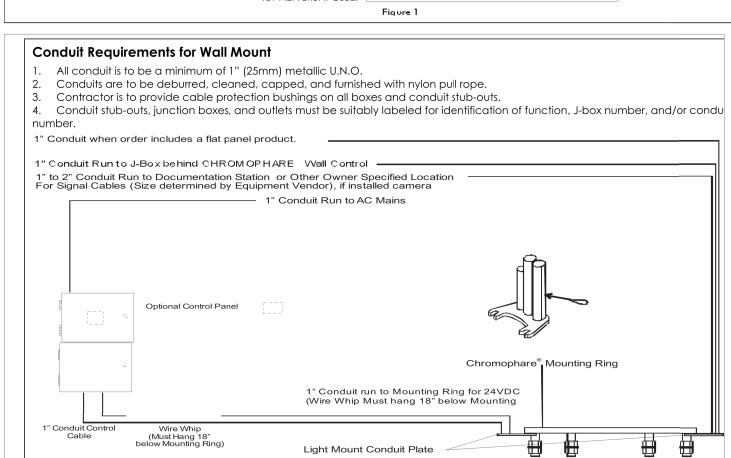
The SK Box is used to house the light electronics when the space in the ceiling at the fixture mounting is insufficient. Refer to the customer drawings to see if an SK Box will be used for your installation.

- The SK Box must be mounted within 45' (13.75m) of the light mounting ring. The box may be mounted within the ceiling cavity, but ar external wall mount is preferred. A wall mounted box may be installed inside or outside of the OR.
- An SK box will accommodate the wiring for four light heads, or three light heads plus battery buffer system.
- A SK Box can weigh up to 130 pounds.
- The contractor is responsible for running power from an AC mains supply to the SK box.
 The contractor is responsible for running DC wiring from the SK box to the surgical light mounting ring
- The contractor is responsible for making both AC and DC connections in the SK Box.











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CENTER MEDICAL |FII

CONSULTANT:



17-SUN-01

04/03/2017

REVISIONS:

OSHPD COMMENTS

AGENCY APPROVAL



Planning & Development

FACILITIES DEVELOPMENT DIVISION

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DATE: 02/28/17

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SHEET NAME: DETAILS



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SHEET#

E-4

