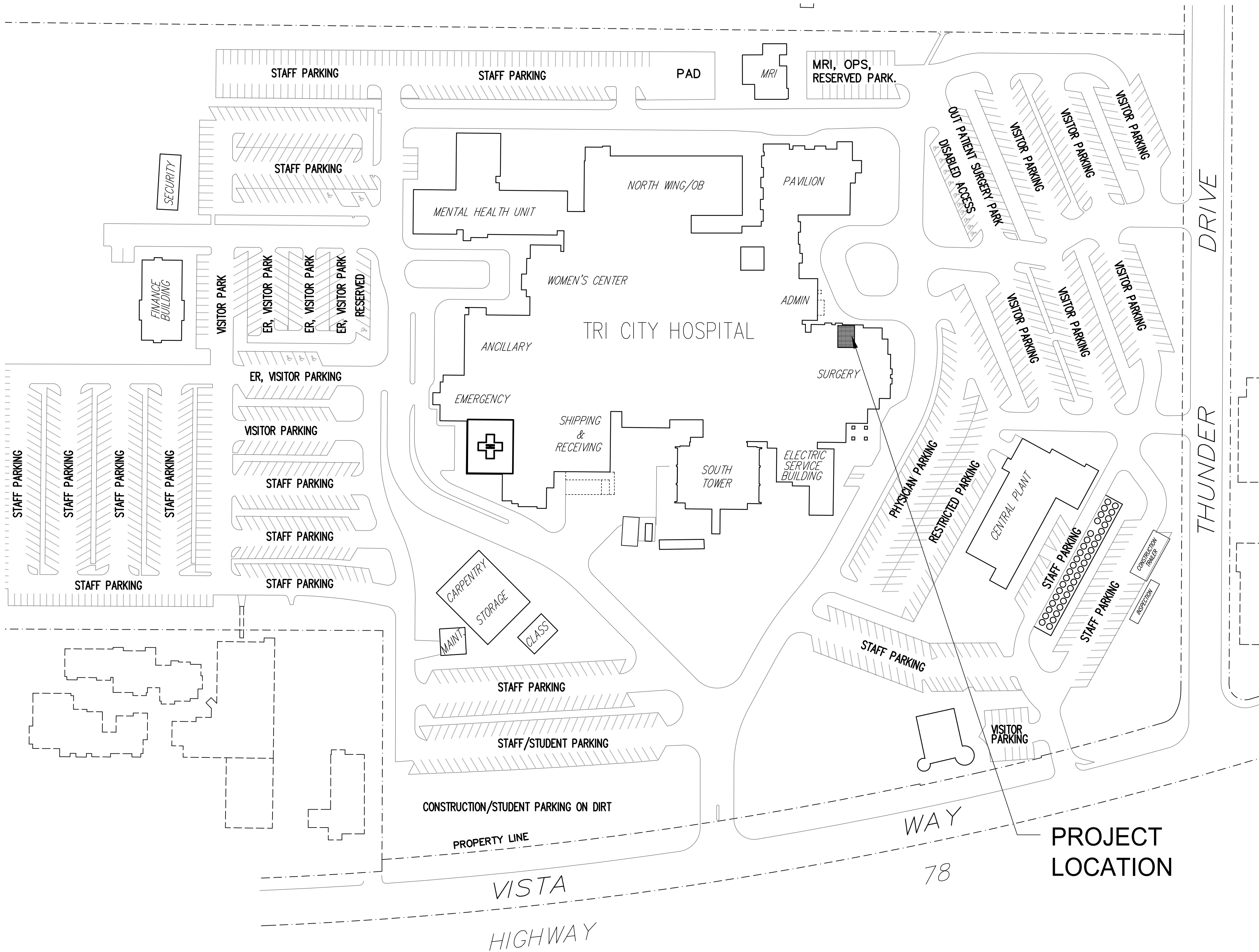


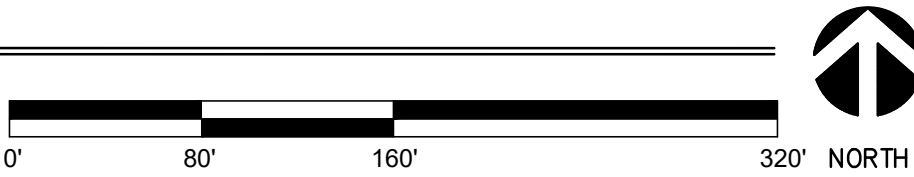
Tri-City Medical Center
OR2 (Ophthalmic) Light Replacement

4002 Vista Way
Oceanside, CA 92056



SITE PLAN

SCALE 1" = 80'-0"



PROJECT TEAM

OWNER'S REP:	TRI-CITY MEDICAL CENTER 4002 VISTA WAY OCEANSIDE, CA 92056 PHONE #: (760) 940-7709 CONTACT: CHRIS MIECHOWSKI
RESPONSIBLE PARTY/EEOR:	SUN STRUCTURAL ENGINEERING, INC. 2091 LAS PALMAS DR. SUITE D CARLSBAD, CA 92011 PHONE #: (760) 438-1188 CONTACT: CHANGHUA SUN
ARCHITECT:	3POINT ARCHITECTURE, INC. 6210 LAMBDA DRIVE SAN DIEGO, CA 92120 PHONE #: (619) 395-6087 CONTACT: JEANA KIM RENGER
ELECTRICAL:	ENGINEERING DESIGN SOLUTIONS, INC. 12396 WORLD TRADE DRIVE, SUITE 110 SAN DIEGO, CA 92128 PHONE #: (858) 613-0447 EXT. 302 CONTACT: PERVEZ MOBIN

APPLICABLE CODE

PROJECT SHALL FOLLOW ALL OF THE FOLLOWING CODES:

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

2013 CALIFORNIA BUILDING CODE (CBC)
PART 2, TITLE 24, CCR
(2012 IBC AND 2013 CALIFORNIA AMENDMENTS)

2013 CALIFORNIA ELECTRICAL CODE (CEC)
PART 3, TITLE 24, CCR
(2011 NEC AND 2013 CALIFORNIA AMENDMENTS)

2013 CALIFORNIA MECHANICAL CODE (CMC)
PART 4, TITLE 24, CCR
(2012 UMC AND 2013 CALIFORNIA AMENDMENTS)

2013 CALIFORNIA PLUMBING CODE (CPC)
PART 5, TITLE 24, CCR
(2012 UPC AND 2013 CALIFORNIA AMENDMENTS)

2013 CALIFORNIA FIRE CODE (CFC)
PART 9, TITLE 24, CCR
(2009 IFC AND 2014 CALIFORNIA AMENDMENTS)

PROJECT DATA

PROJECT NAME:	TRI-CITY MEDICAL CENTER OR2 LIGHT REPLACEMENT
PROJECT ADDRESS:	4002 VISTA WAY OCEANSIDE, CA 92056
LEGAL DESCRIPTION:	PORTION OF 3 PARCEL 3 OF PARCEL MAP Q 553 FILED IN THE OFFICE O THE COUNTY RECORDER OF SAN DIEGO COUNTY, IN THE STATE OF CALIFORNIA, RECORDED MARCH 21, 1977, AS FILE NO. 77-077587 OF OFFICIAL RECORDS.
	SAN DIEGO COUNTY ASSESSOR'S PARCEL NO. 168-010-31, CONSISTING OF 30.97 ACRES.

BUILDING CODE DATA

OCCUPANCY GROUP:	I-2
CONSTRUCTION TYPE:	I-A FULLY SPRINKLERED
BUILDING NAME:	SURGERY ADDITION 1
YEAR CONSTRUCTED:	1990
NUMBER OF STORIES:	EXISTING 4-STORY
PROJECT LOCATION:	FIRST FLOOR
FIRE PROTECTION:	PROJECT AREA FULLY SPRINKLERED PER NFPA AND WITH FIRE ALARM SYSTEM

DETAILED SCOPE OF WORK

REMOVE EXISTING SINGLE HEAD SURGICAL LIGHT IN OR2
AND REPLACE WITH A TWO HEAD SURGICAL LIGHTS.
INCLUDES REMOVAL OF EXISTING STRUCTURAL SUPPORT
FOR THE LIGHT AND REPLACEMENT WITH NEW
STRUCTURAL SUPPORT AND RELATED ELECTRICAL WORK.

DRAWING INDEX

ARCHITECTURAL	
T1.0	TITLE SHEET
T1.1	GENERAL NOTES
T1.2	TCMC SPC NPC RATING
A1.1	ACCESSIBLE PATH OF TRAVEL
A2.1	DEMO AND PROPOSED REFLECTED CEILING PLAN
A3.1	DETAILS
STRUCTURAL	
S-1	STRUCTURAL GENERAL NOTES
S-2	PARTIAL EXISTING ROOF FRAMING PLAN
SD1	DETAILS
SD2	DETAILS
ELECTRICAL	
E-1	ELECTRICAL LEGEND SYMBOLS LIST, GENERAL NOTES AND SINGLE LINE DIAGRAM
E-2	ELECTRICAL SINGLE LINE DIAGRAM AND PANEL SCHEDULE
E-3	PARTIAL FIRST FLOOR PLAN - OR2 POWER DEMO AND NEW
E-4	DETAILS
E-5	PARTIAL FIRST FLOOR PLAN - OR2 LIGHTING DEMO
E-6	PARTIAL FIRST FLOOR PLAN - OR2 LIGHTING MODIFIED

GENERAL NOTES

1. THE INTENT OF THE DRAWINGS AND SPECIFICATIONS IS TO
RECONSTRUCT THE HOSPITAL BUILDING IN ACCORDANCE
WITH TITLE 24, CALIFORNIA ADMINISTRATIVE CODE. SHOULD
ANY CONDITIONS DEVELOP NOT COVERED BY THE CONTRACT
DOCUMENTS WHERE IN THE FINISHED WORK WILL NOT
COMPLY WITH SAID TITLE 24, CALIFORNIA ADMINISTRATIVE
CODE, A CHANGE ORDER DETAILING AND SPECIFYING THE
REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY
THE OFFICE OF STATEWIDE HEALTH PLANNING AND
DEVELOPMENT BEFORE PROCEEDING WITH THE WORK.
2. ALL ELECTRICAL OUTAGES SHALL BE SCHEDULED AND
APPROVED BY HOSPITAL REPRESENTATIVE. REQUEST FOR
ELECTRICAL OUTAGE SHALL BE SUBMITTED (IN WRITING) TO
HOSPITAL REPRESENTATIVE FOR APPROVAL FOURTEEN (14)
DAYS PRIOR TO THE PROPOSED OUTAGE.
3. 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) HOUR IN DURATION WITHOUT TEMPORARY
POWER BEING PROVIDED



VICINITY MAP:



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
www.sunse-inc.com

TRI-CITY MEDICAL CENTER
OR2 LIGHT REPLACEMENT

4002 VISTA WAY, OCEANSIDE CA 92056

CONSULTANT:



6210 LAMBDA DRIVE
SAN DIEGO, CA 92120
TEL: 619.395.6087
FAX: 619.615.2352

REVISIONS:

1	10/28/2016	QSHPD COMMENTS
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AGENCY APPROVAL



DATE: 09/23/2016

DRAWN BY:

PROJECT # 2016-36

SHEET NAME: TITLE SHEET

SHEET#

1614_T10

T1.0

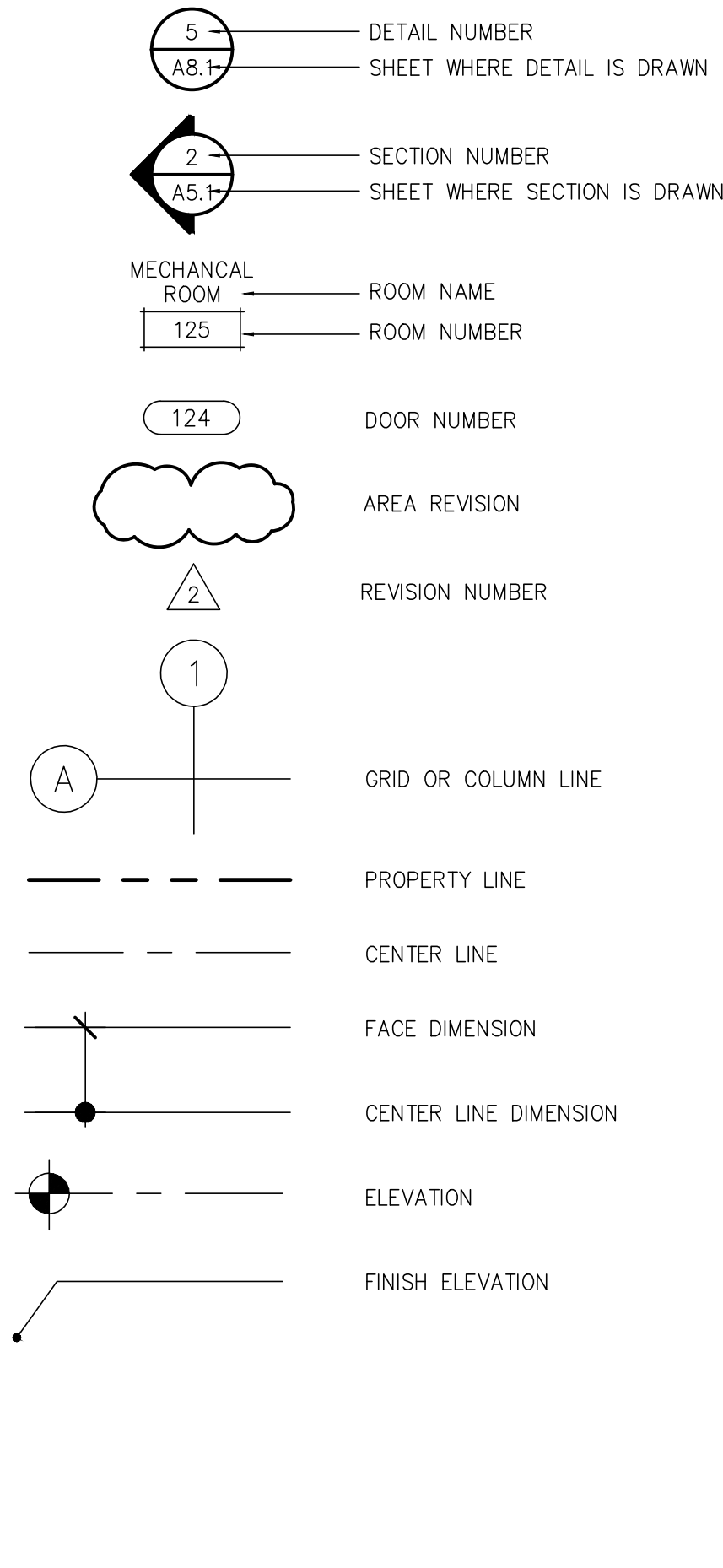
ABBREVIATIONS

A.B.	ANCHOR BOLT	F.O.C.	FACE OF CONCRETE	PSI	POUNDS PER SQUARE INCH
A.C.	ASPHALTIC CONCRETE	F.O.F.	FACE OF FINISH	PT.	POINT
A/C	AIR-CONDITIONING	F.O.M.	FACE OF MASONRY	P.T.D.F.	PRESSURE TREATED
ACCES.	ACCESSORIES	F.O.S.	FACE OF STUD	P.V.C.	DOUGLAS FIR
ACOUS.	ACOUSTIC OR ACOUSTICAL	FP.	FIREPROOF	P.WDR.	POLYVINYL CHLORIDE POWDER
A.D.	AREAL DRAIN	FPL.	FIREPLACE	QT.	QUARRY TILE
ADD.	ADJUSTABLE	F.S.	FULL SIZE	QTR.	QUARTER
ADJ.	ADJUSTABLE	FT.	FOOT OR FEET		
ALT.	ALTERNATE	FTG.	FOOTING		
ALUM.	ALUMINUM	FURR.	FURRING		
ANCH.	ANCHOR			R.	RISER
A.P.	ACCESS PANEL	CA.	GAGE	RAD.	RADIUS
APPROX.	APPROXIMATELY	GALV.	GALLON	R.A.D.	RETURN AIR DUCT
ARCH.	ARCHITECTURAL OR ARCHITECT	G.B.	GALVANIZED GRAB BAR	RAFT.	RAFTER
ASPH.	ASPHALT	GEN.	GENERAL	R.A.G.	RETURN AIR GRILL
AUTO.	AUTOMATIC	G.I.	GALVANIZED IRON	RBR.	RUBBER
		GL.	GLASS	RD.	ROUND
		GLB.	GLUE LAMINATED BEAM	R.D.	ROOF DRAIN
BA.	BATH	GND.	GROUND	R.C.P.T.	RECEPTACLE
BET.	BETWEEN	G.P.M.	GALLONS PER MINUTE	REFR.	REFERENCE
BD.	BOARD	GR.	GRADE	REFRIG.	REFRIGERATOR
BITUM.	BITUMINOUS	GYP.	GYP. BOARD	REG.	REGULATION
B.F.	BOTTOM OF FOOTING			REINF.	REINFORCED
BLK.	BLOCK OR BLOCKING	H.B.	HOSE BIBB	REINF.	REINFORCED CONCRETE
BLKT.	BLANKET	H.C.	HOLLOW CORE	REQD.	REQUIRED
BLW.	BELOW	HDC.	HANDICAP	RES.	RESAWN
BM.	BEAM	HRD.	HEADER	RESIL.	RESILIENT
B.M.	BENCH MARK	HBWD.	HARDWOOD	RET.	RETURN
B.N.	BOUNDARY NAILING	HDWR.	HARDWARE	REV.	REVISIONS/REVERSE
BRCC.	BRAING	H.M.	HOLLOW METAL	R.F.	RESILIENT FLOORING
BRDG.	BRIDGING	HORIZ.	HORIZONTAL	R.H.M.S.	ROUND HEAD METAL SCREW
BRG.	BEARING	H.P.	HORSEPOWER	RM.	ROOM
BSMT.	BASEMENT	HR.	HOSE	R.O.	ROUGH OPENING
B.T.U.	BRITISH THERMAL UNIT	HT.	HEIGHT	RWD.	REDWOOD
BTWN.	BETWEEN	HTG.	HEATING		
B.U.	BUILT-UP	H.W.	HOT WATER	S.	SOUTH
		H.W.R.	HAT WATER RETURN	S.B.	SPLASH BLOCK
		H.W.S.	HOT WATER SUPPLY	SC.	SCALE
CAB.	CABINET			S.C.	SOLID CORE
CAP.	CAPACITY			SCHD.	SCHEDULE
CAULK.	CAULKING	I.D.	INSIDE DIAMETER	S.D.	SMOKE DETECTOR
C.B.	CATCH BASIN	IN.	INCH	S.D.	SAN DIEGO FIRE DEPARTMENT
CEM.	CEMENT	INCL.	INCLUDE/INCLUDED	S.D.	DO NOT SCALE DRAWINGS.
CFM.	CUBIC FT. PER MINUTE	INSUL.	INSULATION	SECT.	SECTION
C.I.	CAST IRON	INT.	INTERIOR	SEC.	SECURE
CIRC.	CIRCULAR	J.B.	JUNCTION BOX	SEL.	SELECT
C.J.	CONTROL JOINT	JCT.	JUNCTION	SFS	SURFACED 4 SIDES
CL.	CENTERLINE	JST.	JOIST	SH.	SHELF
CLG.	CEILING	JT.	JOINT	S.H.	SINGLE HUNG
CLO.	CLOSET			SHT.	SHEET
CLR.	CLEAR			SHTG.	SHEATHING
C.M.U.	CONCRETE MASONRY UNIT	KIT.	KITCHEN	SHWR.	SHOWER
CNTR.	COUNTER	K.O.	KNOCK-OUT	SKYLT.	SKYLIGHT
C.O.	CLEANOUT	K.P.	KICK PLATE	SL. DR.	SLIDING DOOR
COL.	COLUMN			SL. WD.	SLIDING WINDOW
COMB.	COMBINED/COMBINATION	LAB.	LABORATORY	S.M.S.	SHEET METAL SCREW
COMP.	COMPOSITE/COMPOSITION	LAD.	LADDER	S & P	SHELF AND POLE
CONC.	CONCRETE	LAM.	LAMINATE	SPEC.	SPECIFICATION
CONC.BLK.	CONCRETE BLOCK	LAV.	LAVATORY	SQ.	SQUARE
COND.	CONDITION	LBS.	POUNDS	SQ. FT.	SQUARE FOOT
CONN.	CONNECTION	LIN.	LINEAR/LINEAL	SQ. IN.	SQUARE INCH
CONST.	CONSTRUCTION	LKR.	LOCKER	S.S.	STAINLESS STEEL
CONST.JT.	CONSTRUCTION JOINT	L.L.	LIVE LOAD	STA.	STATION
CONT.	CONTINUOUS	L.L.H.	LONG LEG HORIZONTAL	STD.	STANDARD
CORR.	CORRIDOR	L.L.V.	LONG LEG VERTICAL	STL.	STEEL
CRIP.	CRIPPLE	LMBR.	LUMBER	STOR.	STORAGE
C.T.	CERAMIC TILE	LT.	LIGHT	STRUCT.	STRUCTURAL
CTR.	CENTER	LUM.	LUMINOUS	S2S	SURFACED 2 SIDES
CTRWK.	COUNTERWORK	LVR.	LOUVER	SUPP.	SUPPLY
CTSK.	COUNTERSUNK			SUSP.	SUSPENDED
CY. YD.	CUBIC YARD	MAS.	MASONRY	SYM.	SYMMETRICAL
C.W.	COLD WATER	MATL.	MATERIAL		
C.W.R.	COLD WATER RETURN	MAX.	MAXIMUM	T.	TREAD
C.W.S.	COLD WATER SUPPLY	M.B.	MACHINE BOLT	T.B.	TOWEL BAR
CYL.	CYLINDER	MBR.	MEMBER	T & B	TOP AND BOTTOM
		M.C.	MEDICINE CABINET	T.C.	TOP OF CURB
		MECH.	MECHANICAL	TELE.	TELEPHONE
		MEMB.	MEMBRANE	TEMP.	TEMPERATURE/TEMPERED
		MRF.	MANUFACTURER	T & G	TONGUE AND GROOVE
		M.H.	MANHOLD	THK.	THICK
		MIN.	MINIMUM	THRES.	THRESHOLD
		MIR.	MIRROR	T.J.J.	TRUSS JOIST
		M.L.	MICRO-LAM	T.O.C.	TOP OF CONCRETE
		MISC.	MISCELLANEOUS	T.O.P.	TOP OF PAVING
		M.O.	MASONRY OPENING	T.O.W.	TOP OF WALL
		MOD.	MODULAR	T.V.	TELEVISION
		MTD.	MOUNTED	TYP.	TYPICAL
		MTL.	METAL	U.B.C.	UNIFORM BUILDING CODE
		MULL.	MULLION	U.L.	UNDERWRITERS
		MULT.	MULTIPLE	UNF.	UNFINISHED
				U.N.O.	UNLESS NOTED OTHERWISE
		N.	NORTH	UR.	URINAL
		NAT.	NATURAL		
		N.I.C.	NOT IN CONTRACT	V.A.T.	VINYL ASBESTOS TILE
		NO. OR #	NUMBER	V.B.	VAPOR BARRIER
		NOM.	NOMINAL	VENT.	VENTILATION OR VENTILATOR
		N.T.S.	NOT TO SCALE	VERT.	VERTICAL
				VEST.	VESTIBULE
		OA.	OVERALL	VOL.	VOLUME
		OBSC.	OBSCURE	V.T.R.	VENT THROUGH ROOF
		O.C.	ON CENTER		
		O.D.	OUTSIDE DIAMETER	W.	WEST
		OFF.	OFFICE	W/	WITH
		O.H.	OVERHEAD	W.C.	WATER CLOSET
		OPNG.	OPENING	WD.	WOOD
		OPP.	OPPOSITE	WDW.	WINDOW
		OZ.	OUNCE	W.H.	WATER HEATER
				W.I.	WROUGHT IRON
		PAR.	PARALLEL	W/O	WITHOUT
		PART.BD.	PARTICLE BOARD	W.P.	WATERPROOFING
		PARTN.	PARTITION	W.P.J.	WEAKENED PLANE JOINT
F.A.	FIRE ALARM	P.B.	PUSH BUTTON	W.S.	WOOD SCREW(S)
F.A.U.	FORCED AIR UNIT	P.C.F.	POUNDS PER CUBIC FOOT	WSCOT	WAINSCOT
F.B.O.	FURNISHED BY OTHERS	PERF.	PERPENDICULAR	WT.	WEIGHT
F.D.	FLOOR DRAIN			W.W.F.	WELDED WIRE FABRIC
FDN.	FOUNDATION	PL.	PLATE		
F.E.	FIRE EXTINGUISHER	P.L.	PROPERTY LINE	YD.	YARD
F.E.C.	FIRE EXTINGUISHER CABINET	PLAM.	PLASTIC LAMINATE		
		PLAST.	PLASTER	∠	ANGLE
F.F.	FINISH FLOOR	PLAT.	PLATFORM	CH.	CHANNEL
F.G.	FUEL GAS	PLCS.	PLACES	d	PENNY (NAIL SIZE)
F.H.C.	FIRE HOSE CABINET	P.L.F.	POUNDS PER LINEAL FOOT	%	PERCENT
F.H.W.S.	FLAT HEAD WOOD SCREW	PLUMB.	PLUMBING	&	AND
FIN.	FINISH/FINISHED	PLYWD.	PLYWOOD	@	AT
FIX.	FIXED	PNL.	PANEL	Q	CENTERLINE
FIXT.	FIXTURE	PR.	PAIR	Ø	DIAMETER OR ROUND
FL.	FLUSH	PRCST.	PREFCAST	+	PERPENDICULAR
FLASH.	FLASHING	PREFAB.	PREFABRICATED	#	POUND OR NUMBER
FLR.	FLOOR	PREP.	PREPARATION		
FLUOR.	FLUORESCENT	PROP.	PROPERTY		
F.O.B.	FACE OF BEAM	PSF.	POUNDS PER SQUARE FOOT		
					ADDITIONAL ABBREVIATIONS PER ANSI STANDARDS AND SPECS.

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.
- THE GENERAL CONTRACTOR, THE SUBCONTRACTORS AND MATERIAL SUPPLIERS SHALL REFER TO THE DRAWINGS, SCHEDULES AND SPECIFICATIONS AS A WHOLE WHEN DETERMINING THE CONSTRUCTION REQUIREMENTS FOR THE PROJECT.
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING ALL AREAS ON THE PROJECT WHICH REQUIRE TOLERANCES BETWEEN ROUGH OPENINGS AND/OR FINISH MATERIALS AND PROVIDE FOR THE PROPER TOLERANCES TO COMPLETE THE CONSTRUCTION IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
- A. ALL DRAWINGS, SCHEDULES AND SPECIFICATIONS IN THE BID PACKAGE ARE TO BE CONSIDERED EQUAL PARTS OF THIS CONTRACT PACKAGE. THE CONTRACTOR AND HIS SUB-CONTRACTORS SHALL BE RESPONSIBLE FOR THE REVIEW AND COORDINATION OF ALL DRAWINGS, SCHEDULES AND SPECIFICATIONS, INCLUDING CIVIL, ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL. ALL DISCREPANCIES, OMISSIONS OR ERRORS THAT OCCUR SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IN WRITING PRIOR TO THE SUBMISSION OF BIDS SO THAT CLARIFICATION MAY BE ISSUED.
B. ANY WORK PERFORMED IN CONFLICT WITH ANY PART OF THE CONTRACT DOCUMENTS OR ANY CODE REQUIREMENT SHALL BE CORRECTED 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 LOCATION OF TRANSFORMERS AND UNDERGROUND UTILITIES WITH APPROPRIATE UTILITY COMPANIES. IN ADDITION, THE GENERAL CONTRACTOR SHALL VERIFY THE ACTUAL STATIC WATER PRESSURE AT THE 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 COORDINATION OF THEIR WORK WITH THE WORK OF OTHERS. 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.
- ALL DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE SHOWN ON PLANS, SECTIONS, AND DETAILS. DIMENSIONS ARE TO FACE OF STUDS OR SLAB UNLESS NOTED OTHERWISE ON DRAWINGS. **DO NOT SCALE DRAWINGS.**
- THE GENERAL CONTRACTOR IS SOLELY RESPONSIBLE FOR SAFETY ITEMS AND PROCEDURES DURING THE TERM OF CONSTRUCTION
- ALL EXITS REQUIRED BY CODE SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF ANY SPECIAL KNOWLEDGE OR EFFORT OR SHALL HAVE A SIGN READING "THIS DOOR TO REMAIN UNLOCKED DURING BUSINESS HOURS."
- 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 INSTALLATION.
- FIRE AND DRAFT STOPS SHALL BE INSTALLED PER THE REQUIREMENTS OF THE UNIFORM BUILDING CODE.
- OPENINGS IN FIRE-RESISTIVE CEILINGS SHALL BE PROTECTED PER REQUIREMENTS OF THE CALIFORNIA BUILDING CODE.
- ELECTRICAL PENETRATIONS OF FIRE RESISTIVE WALL OR CEILING CONSTRUCTION SHALL BE INSTALLED PER THE INTERNATIONAL BUILDING CODE.

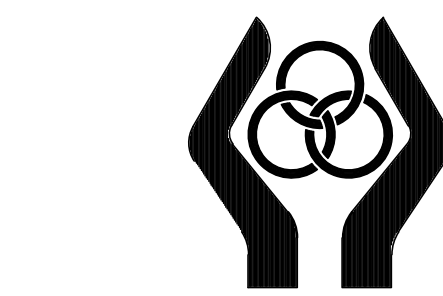
ARCHITECTURAL LEGEND



DISABLED PERSONS ACCESS NOTES

- DOORS & HARDWARE (CBC SECTION 1008)**
- ALL PRIMARY ENTRANCES TO BUILDINGS AND FACILITIES SHALL BE ACCESSIBLE TO THE DISABLED.
 - EXIT DOORS SHALL BE OPENABLE 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 DOORS SHALL OPERATE AS ABOVE IN EGRESS DIRECTION, PER CBC SECTION 1008.1.9
 - 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 WITH OF THE EXITWAY IS NOT LESS THAN 32 INCHES. PER CBC SECTION 1008.1.1
 - 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.
 - THRESHOLDS SHALL NOT EXCEED 1/2 INCH IN HEIGHT. CBC SECTION 1008.1.7
 - 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 REQ'D WIDTH. LANDINGS SHALL HAVE A LENGTH MEASURED IN THE DIRECTION OF TRAVEL OF NOT LESS THAN 44 INCHES. CBC SECTION 1008.1.6
 - 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.
 - SPACE BETWEEN TWO DOORS IN A SERIES SHALL BE 48 INCHES MINIMUM PLUS 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
 - MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED 5 POUNDS FOR EXTERIOR DOORS AND 5 POUNDS FOR INTERIOR DOORS, SUCH PULL OR PUSH EFFORT BEING APPLIED AT RIGHT ANGLES TO HINGED DOORS AND AT THE CENTER PLANE OF SLIDING OR FOLDING DOORS. COMPENSATING DEVICES OR AUTOMATIC DOOR OPERATORS MAY BE UTILIZED TO MEET THE ABOVE STANDARDS. WHEN FIRE DOORS ARE REQUIRED, THE MAXIMUM EFFORT TO OPERATE THE DOOR MAY BE INCREASED BUT SHALL NOT EXCEED 15 POUNDS. (CBC 1008.1.3)
 - CONSTRUCTION: THE BOTTOM 10 INCHES OF ALL DOORS, EXCEPT AUTOMATIC AND SLIDING, SHALL HAVE A SMOOTH UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION. WHERE NARROW FRAME DOORS ARE USED, A 10-INCH-HIGH SMOOTH PANEL SHALL BE INSTALLED ON THE PUSH SIDE OF THE DOOR, WHICH WILL ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION.
- EXITS**
- EXCEPT AS SPECIFICALLY PERMITTED BY THIS SECTION EGRESS DOORS SHALL BE READILY OPENABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT (2013 CBC SECTION 1008.1.9)
 - ARRANGEMENT OF EXITS SHALL BE IN ACCORDANCE WITH 2013 CBC SECTION 1008.1.8
 - EXIT DOORS FOR > 50 OCCUPANTS SERVING AN ASSEMBLY OCCUPANCY SHALL HAVE PANIC HARDWARE IN ACCORDANCE WITH 2013 CBC SECTION 1008.1.10
 - ILLUMINATION: SIGNS SHALL BE INTERNALLY OR EXTERNALLY ILLUMINATED BY TWO ELECTRIC LAMPS OR SHALL BE OF AN APPROVED SELF-ILLUMINATED TYPE.
 - POWER SUPPLY: CURRENT SUPPLY TO ONE OF THE LAMPS FOR 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.
 - FIRE DAMPER ASSEMBLIES, INCLUDING SLEEVES, AND INSTALLATION PROCEDURES SHALL BE APPROVED BY THE BUILDING INSPECTOR PRIOR TO INSTALLATION.

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4002 VISTA WAY
OCEANSIDE, CA 92056
T: (760) 724-8411

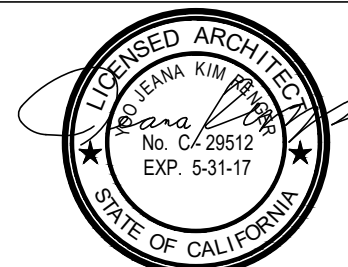


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TRI-CITY MEDICAL CENTER
OR2 LIGHT REPLACEMENT

4002 VISTA WAY, OCEANSIDE CA 92056

CONSULTANT:



6210 LAMBDA DRIVE
SAN DIEGO, CA 92120
TEL: 619.395.6087
FAX: 619.615.2352

REVISIONS:

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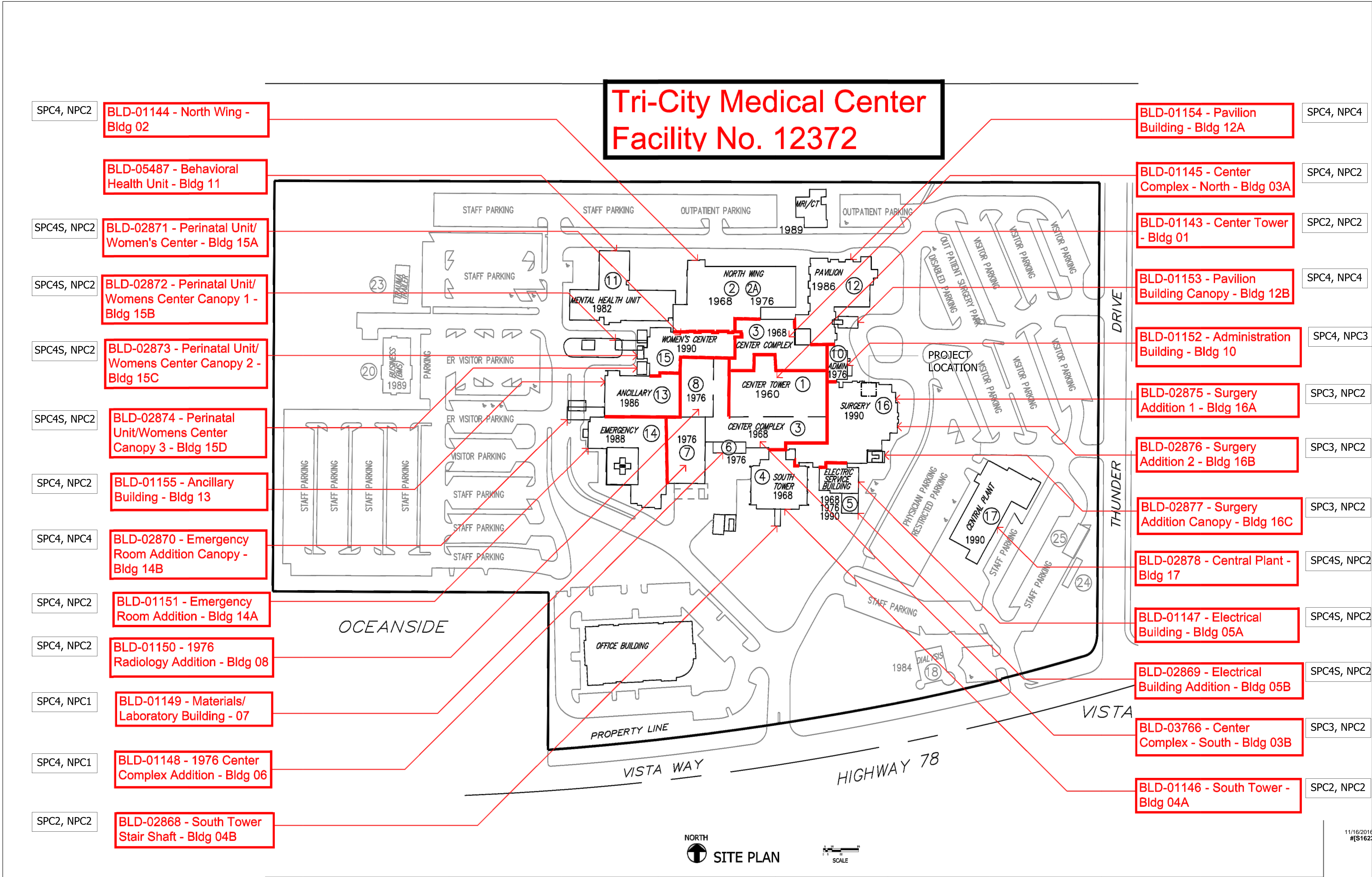
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SHEET NAME: GENERAL
NOTES / LEGENDS

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REVISIONS:
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AGENCY APPROVAL

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

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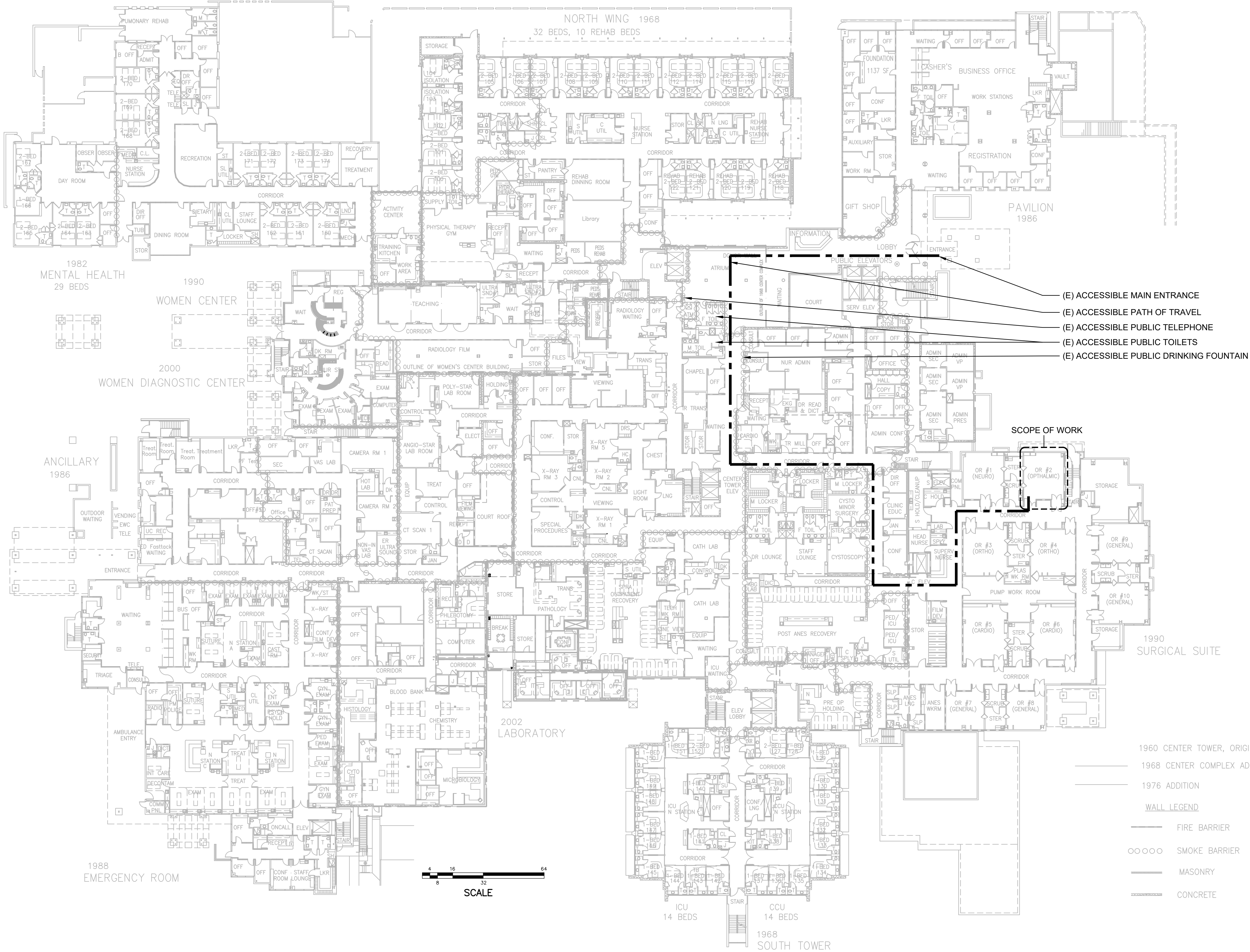
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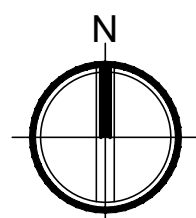
SHEET#

T1.2

TRI-CITY MEDICAL CENTER OVERALL SITE PLAN WITH SPC AND NPC RATING
N.T.S.



1 ACCESSIBLE PATH OF TRAVEL - 1ST FLOOR
SCALE: NONE



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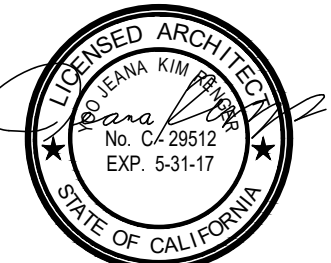
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- (E) ACCESSIBLE MAIN ENTRANCE
- (E) ACCESSIBLE PATH OF TRAVEL
- (E) ACCESSIBLE PUBLIC TELEPHONE
- (E) ACCESSIBLE PUBLIC TOILETS
- (E) ACCESSIBLE PUBLIC DRINKING FOUNTAIN

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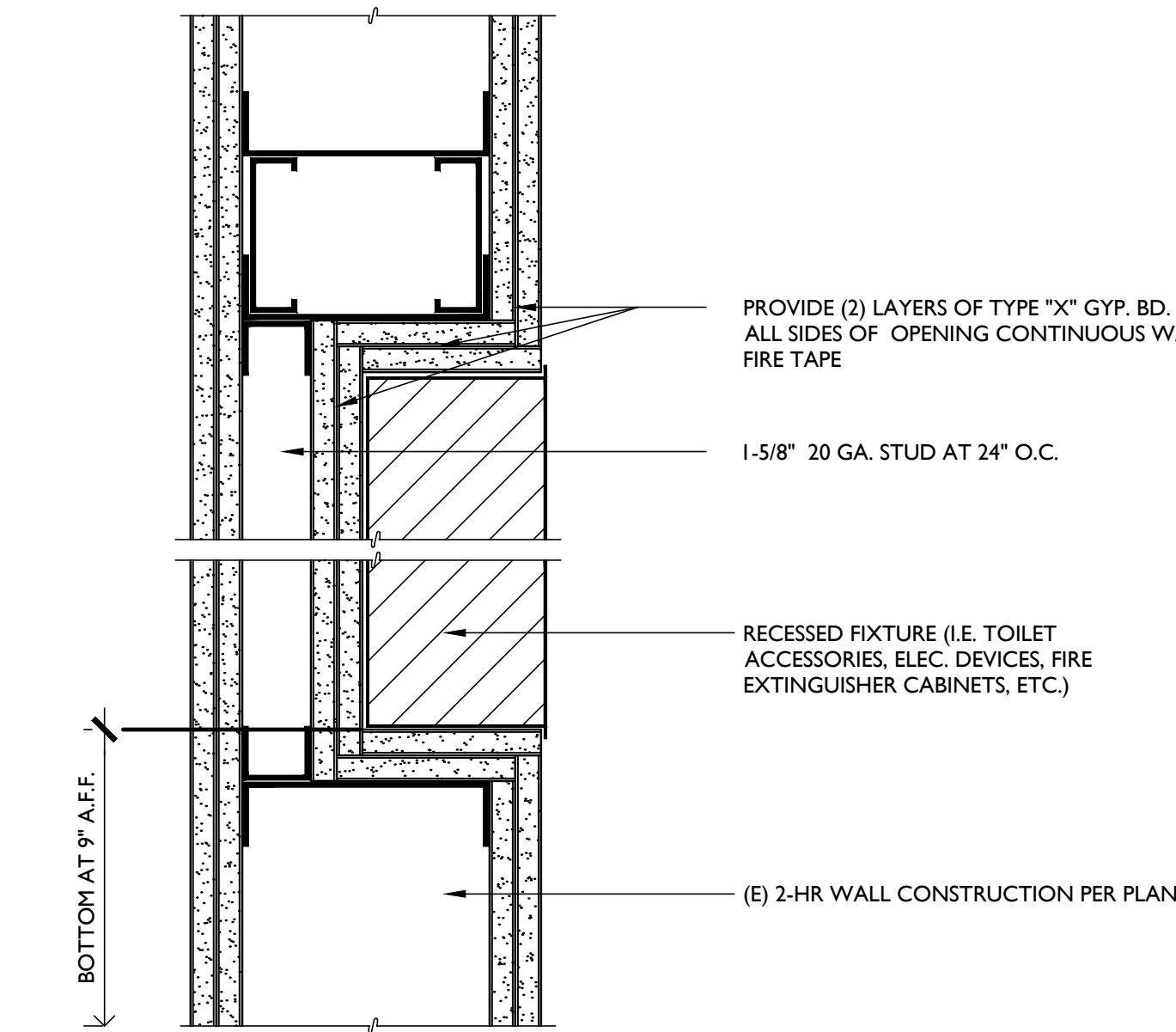
PROJECT # 2016-36

SHEET NAME: ACCESSIBLE
PATH OF
TRAVEL

SHEET#

1614 A1.1

A1.1

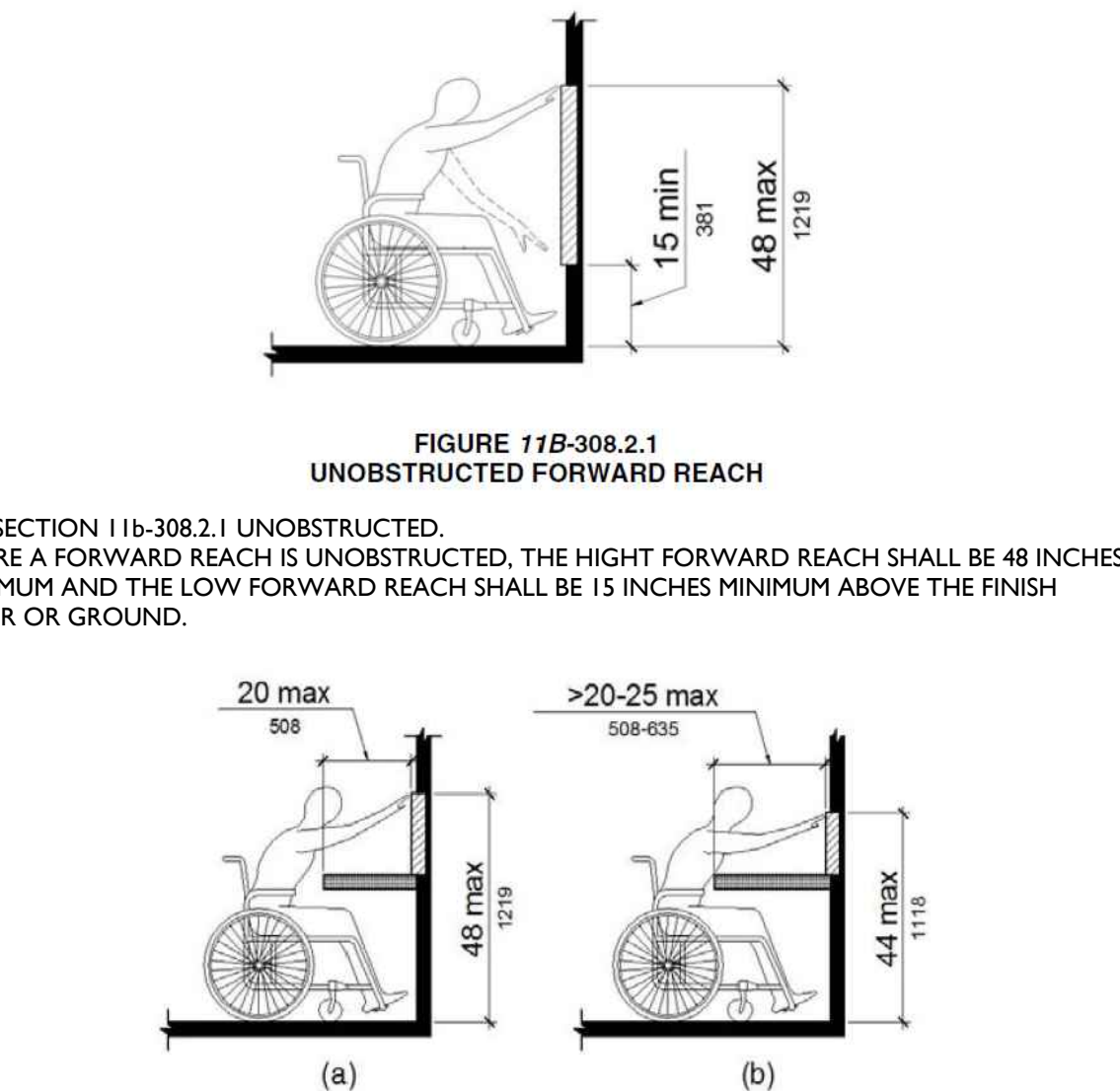


07 RECESSED FIXTURE IN FIRE RATED WALL
SCALE: 3"=1'-0"

WVRECESSFR

05 MOUNTING HEIGHT DETAIL - SIDE REACH
SCALE: NO SCALE

MOUNTHT

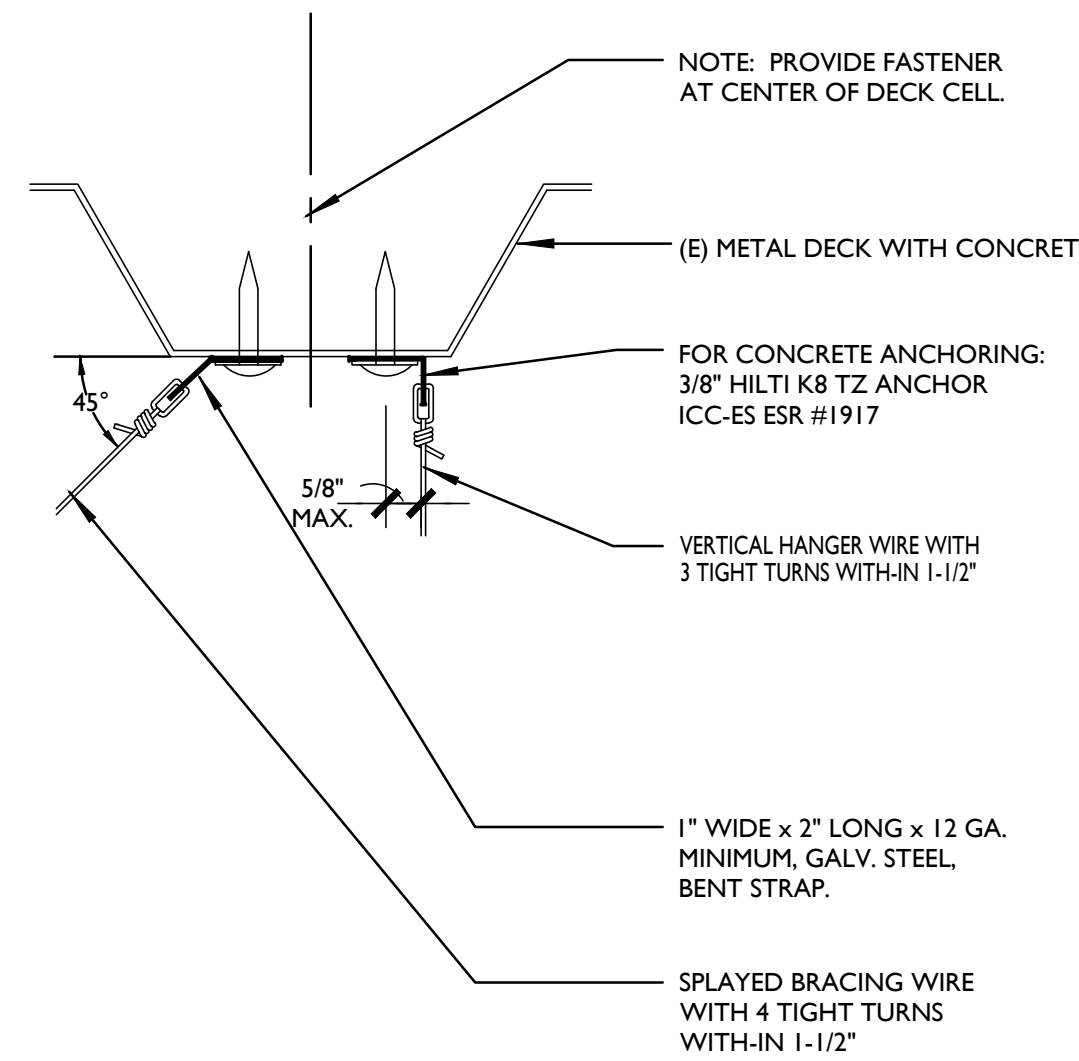


05 MOUNTING HEIGHT DETAIL - FORWARD REACH
SCALE: NO SCALE

MOUNTHT2

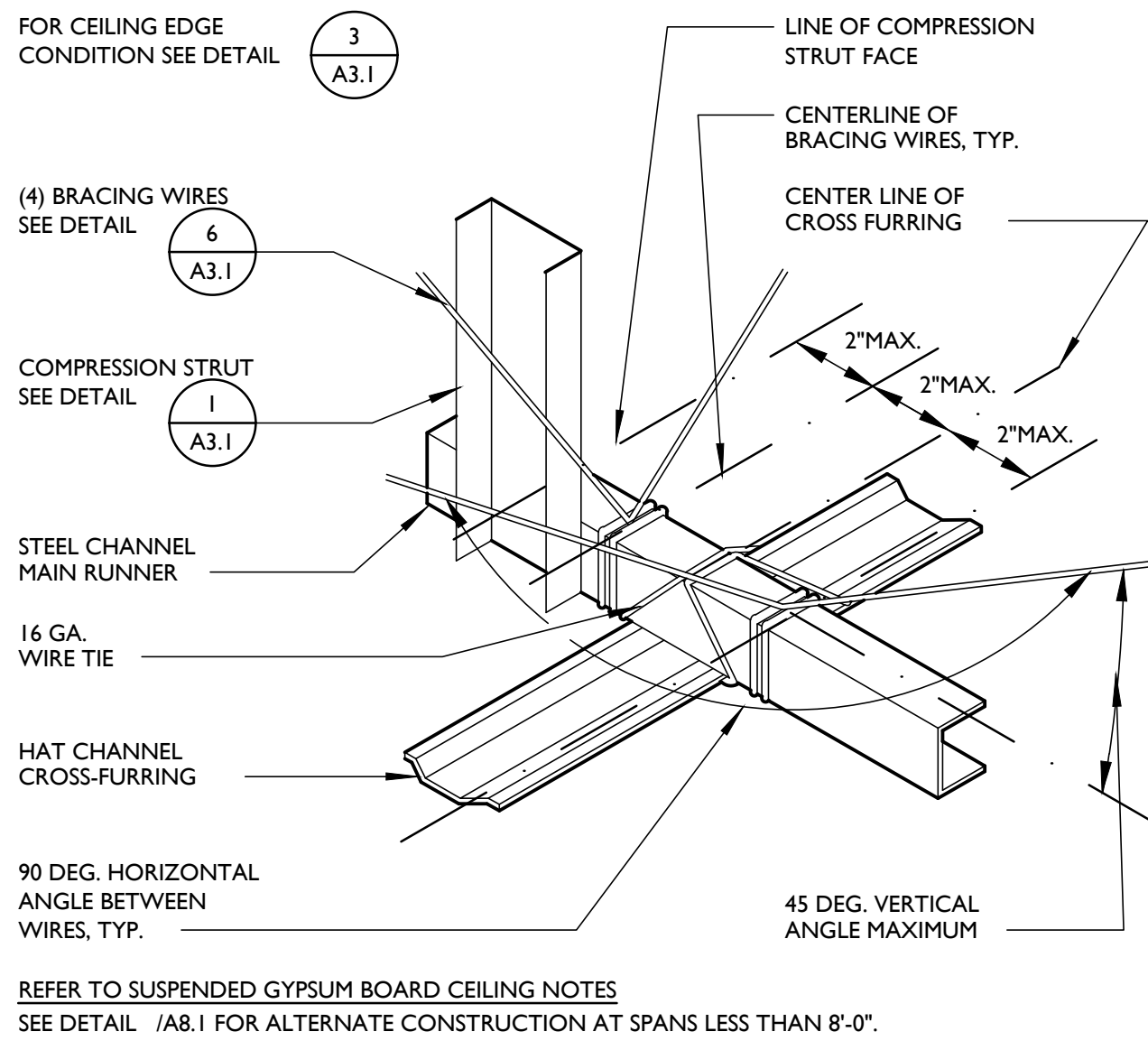
06 CEILING WIRE ATTACHMENT AT METAL ROOF DECK
SCALE: 6"=1'-0"

CLANCH02



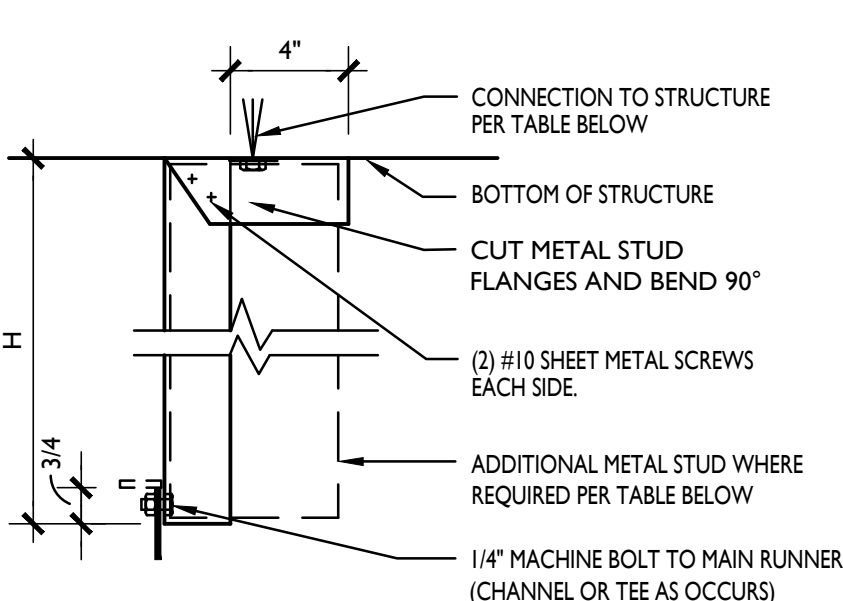
03 GYPSUM BOARD CEILING
SCALE: 6"=1'-0"

GYPCING2



02 SUSPENDED GYPSUM BOARD CEILING
SCALE: 6"=1'-0"

CLG-GWB01

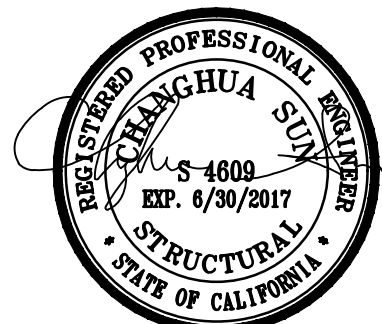


"H"	PLAN VIEW	METAL STUD SIZE	CONNECTION TO CONC OR MET DECK W/ CONC. FILL	CONNECTION TO DECK WITHOUT CONCRETE FILL
LESS THAN 8'		(1) 3-5/8" x 20 GA.	3/8" HILTI KB TZ ANCHOR ICC-ES ESR #1917. SEE EXPANSION ANCHOR SCHEDULE.	3/8" HILTI KB TZ ANCHOR ICC-ES ESR #1917. SEE EXPANSION ANCHOR SCHEDULE.
LESS THAN 20'		(2) 3-5/8" x 20 GA. JOINED W/ #10 SHEET METAL SCREWS @ 12" O.C.		

01 CEILING COMPRESSION STRUT
SCALE: NO SCALE

CLCOMP01


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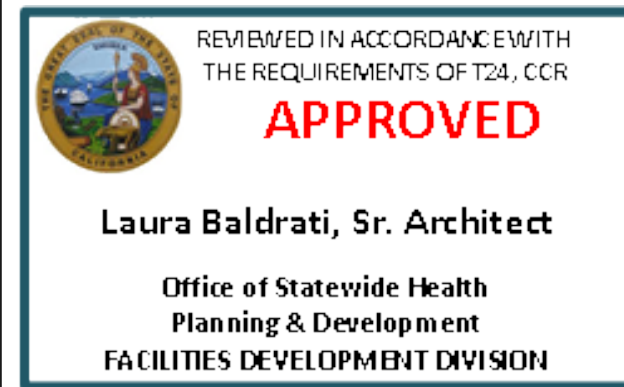



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DRAWN BY:

PROJECT # 2016-36

SHEET NAME: DETAILS

SHEET#

1614_A31

A3.1

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 INCONSISTENCIES.
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 ENGINEER
3. THE STRUCTURAL DRAWINGS AND SPECIFICATIONS FOR CONSTRUCTION REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES INCLUDE, BUT NOT LIMITED TO, BRACING, SHORING, TO INSURE THE VERTICAL AND LATERAL STABILITY OF THE STRUCTURE. OBSERVATION VISITS TO THE SITE BY THE 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 2013 CALIFORNIA BUILDING CODE.
7. A.S.T.M. SPECIFICATIONS NOTED ON THE DRAWINGS SHALL BE OF THE LATEST REVISION.
8. NO STRUCTURAL SUBSTITUTIONS OR CHANGES SHALL BE MADE IN THE FIELD. WRITTEN APPROVAL MUST BE OBTAINED FROM THE STRUCTURAL ENGINEER AND OSHPD FOR ANY SUBSTITUTIONS OR CHANGES FROM THE APPROVED CONSTRUCTION DOCUMENTS.
9. CONTRACTOR SHALL PROVIDE AND BE RESPONSIBLE FOR THE PROTECTION AND REPAIR OF ADJACENT EXISTING SURFACES AND AREAS WHICH MAY BE DAMAGED AS A RESULT OF NEW WORK.

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
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 THEREIN.

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.
- | | |
|--------------------------|-------------|
| ANCHOR TYPE | ICC-ES ESR# |
| 3/8"Ø HILTI KB TZ ANCHOR | 1917 |
2. ALL ANCHORS SHALL BE TESTED BASED ON THE FOLLOWING CRITERIA: (INSTALLED IN NORMAL WEIGHT CONCRETE WITH MIN. $f_c' = 2500$ PSI)

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

MINIMUM ANCHOR EMBEDMENT SHALL BE 2" FOR 3/8"Ø 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 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 RECOMMENDED 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 ONLY.
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 2013, 1913A.7 \triangle

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

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

SEISMIC LOAD

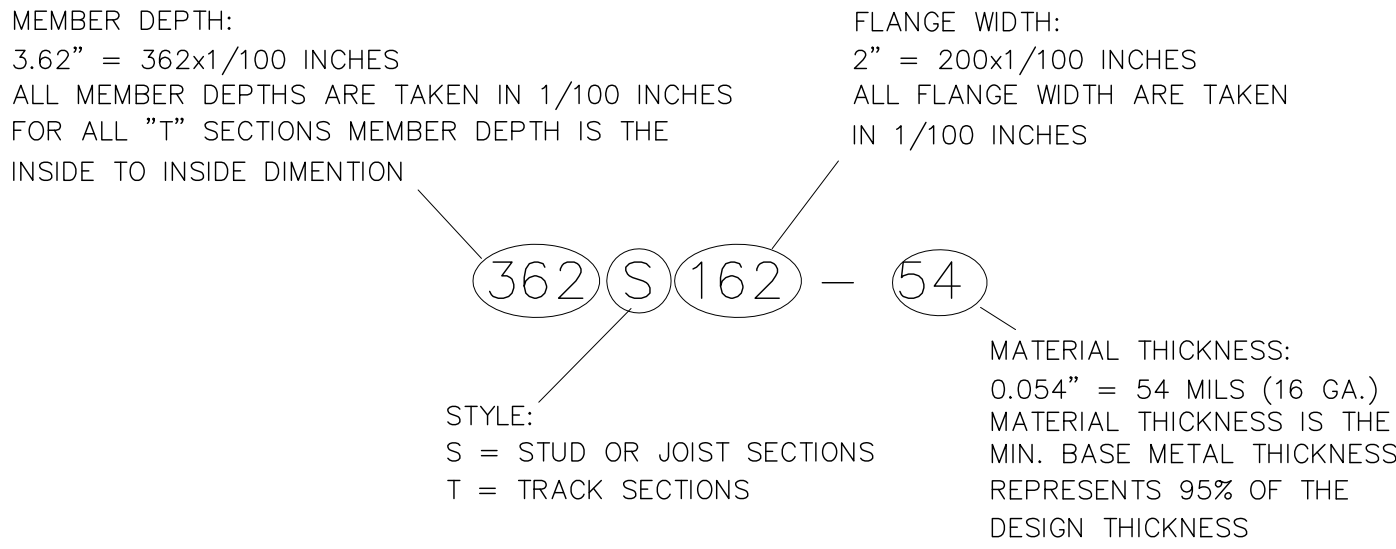
SITE LOCATION:
LONGITUDE: 117.29178° WEST, LATITUDE: 33.18425° NORTH
DESIGN SPECTRAL RESPONSE ACCLERATION:
 $S_{D5} = 0.760$, $S_{D1} = 0.435$
SEISMIC IMPORTANCE FACTOR, $I_p = 1.5$
SEISMIC FORCE COEFFICIENTS:
 $C_p = 2.5$, $R_p = 2.5$
SEISMIC DESIGN CATEGORY "D"

COLD-FORMED STEEL FRAMING

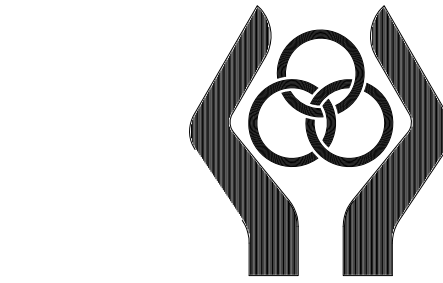
1. DESIGN, MANUFACTURE AND INSTALLATION OF LIGHT GAGE, COLD-FORMED STEEL JOISTS, PURLINS AND STUDS SHALL CONFORM WITH THE LATEST EDITION OF THE LIGHT GAGE, COLD-FORMED STEEL DESIGN MANUAL ISSUED BY THE AISI.
2. STRUCTURAL LIGHT GAUGE STUDS, TRACK, BRIDGING, AND ACCESSORIES SHALL COMPLY WITH STEEL STUD MANUFACTURERS ASSOCIATION ICBO ER-4943P

STRUCTURAL LIGHT GAUGE CH STUDS, J RUNNER TRACK, AND ACCESSORIES SHALL COMPLY WITH DIETRICH METAL FRAMING ICC-ESR# 1166P

3. ALL WELDING SHALL BE IN CONFORMANCE WITH AWS D1.3 "STRUCTURAL WELDING CODE - SHEET STEEL". QUALIFICATION OF WELDERS SHALL BE IN ACCORDANCE WITH AWS D1.1, CHAPTER 5, PART C, "WELDER QUALIFICATION". SEE LATEST EDITION OF THE AISI SPECIFICATIONS FOR THE "DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS" FOR ALLOWABLE WELD VALUES.
4. FRAMING SHALL BE ERECTED PLUMB, LEVEL AND SQUARE. BRIDGING AND DIAGONAL TENSION STRAPS SHALL BE USED.
5. TEMPORARY BRACING SHALL BE PROVIDED AS REQUIRED UNTIL ERECTION IS COMPLETE AND SAFELY SECURED TO STRUCTURE.
6. COLD-FORMED STEEL YIELD STRENGTH (f_y) IS 50 KSI. IDENTIFICATION OF SSMA PRODUCTS



COLD-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.



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CONSULTANT:

REVISIONS:

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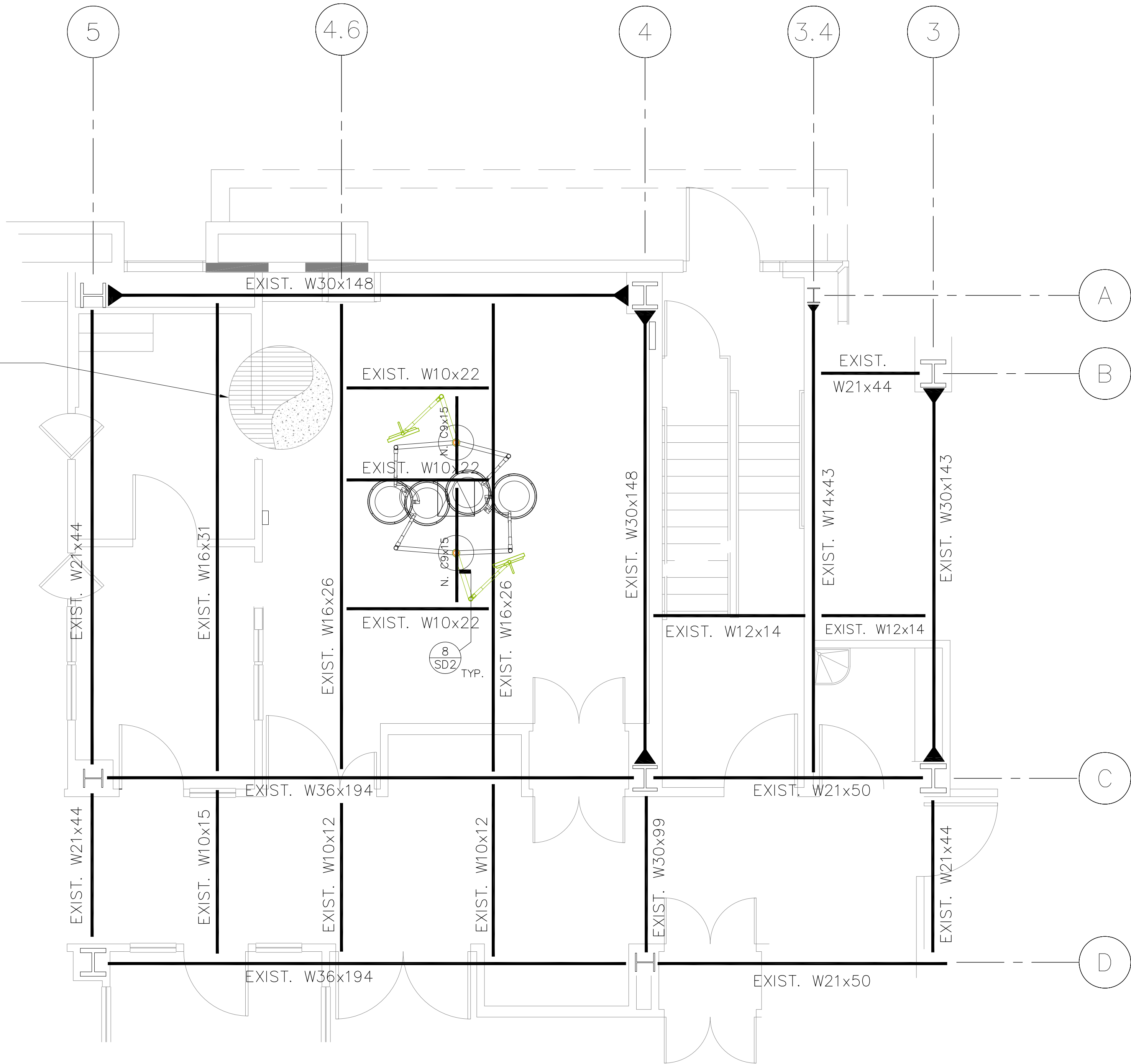
PROJECT # 2016-36

SHEET NAME:
GENERAL NOTES

SHEET#

S-I

EXISTING 4 1/2" REGULAR WT. CONCRETE TOPPING
(fc' = 3000 PSI) W/ 6x6 W5.5xW5.5 WWF OR
#3 @ 12" O.C. EA. WAY OVER 2" VERCO
"W2 FORMLOCK", 18GA. GALV. METAL DECK
PER OSHPD APPROVAL# HL899998



PARTIAL EXISTING ROOF FRAMING PLAN

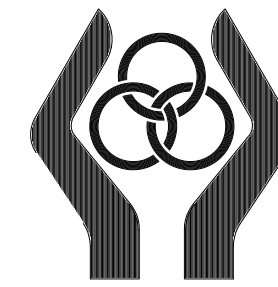
SCALE: 1/4"=1'-0"

NOTES

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

EQUIPMENT SCHEDULE

EQUIPMENT #	DESCRIPTION	WEIGHT (APPROX.)	ANCHORAGE DETAILS	COMMENTS
001	CHROMOPHARE F628/F628 LIGHTS W/ SINGLE FLAT PANEL	319 LBS	1-80	
002	CHROMOPHARE F628/F628 LIGHTS W/ SINGLE FLAT PANEL	319 LBS	1-80	
003	SPI3 REMOTE TOUCH PANEL	10 LBS	1-80	SURFACE MOUNTED ON WALL
004	SK ENCLOSURE WITH TWO BOXES	150 LBS	2-80 2-80	ABOVE CEILING
005	LIGHT CONTROL BOX	15 LBS	1-80	SURFACE MOUNTED ON WALL
006	JUNCTION BOX SWITCHPOINT INFINITI 3	10 LBS	1-80	FLUSH MOUNTED ON WALL BOTTOM OF BOX TO BE AT 9" ABOVE FINISH FLOOR



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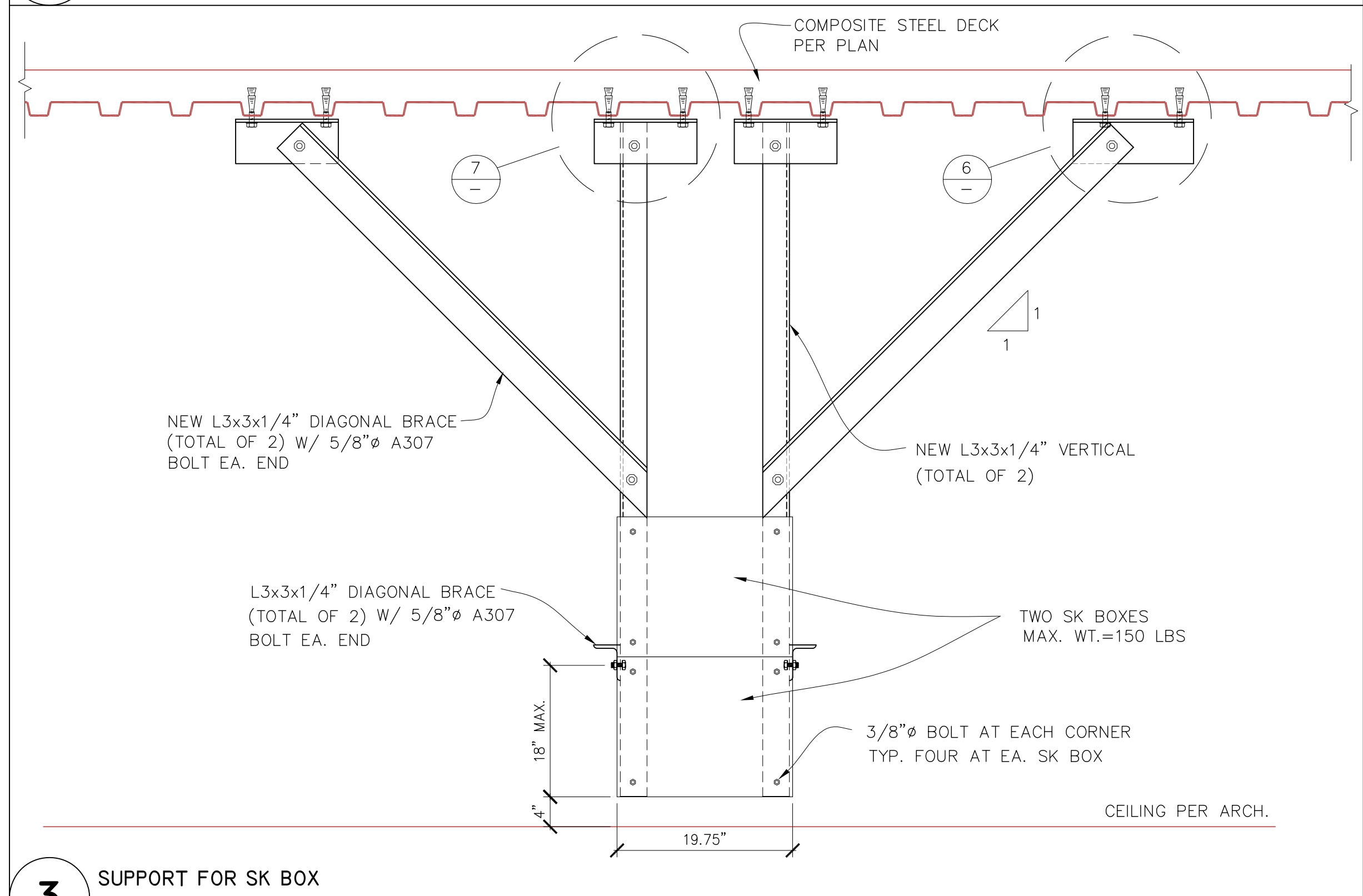
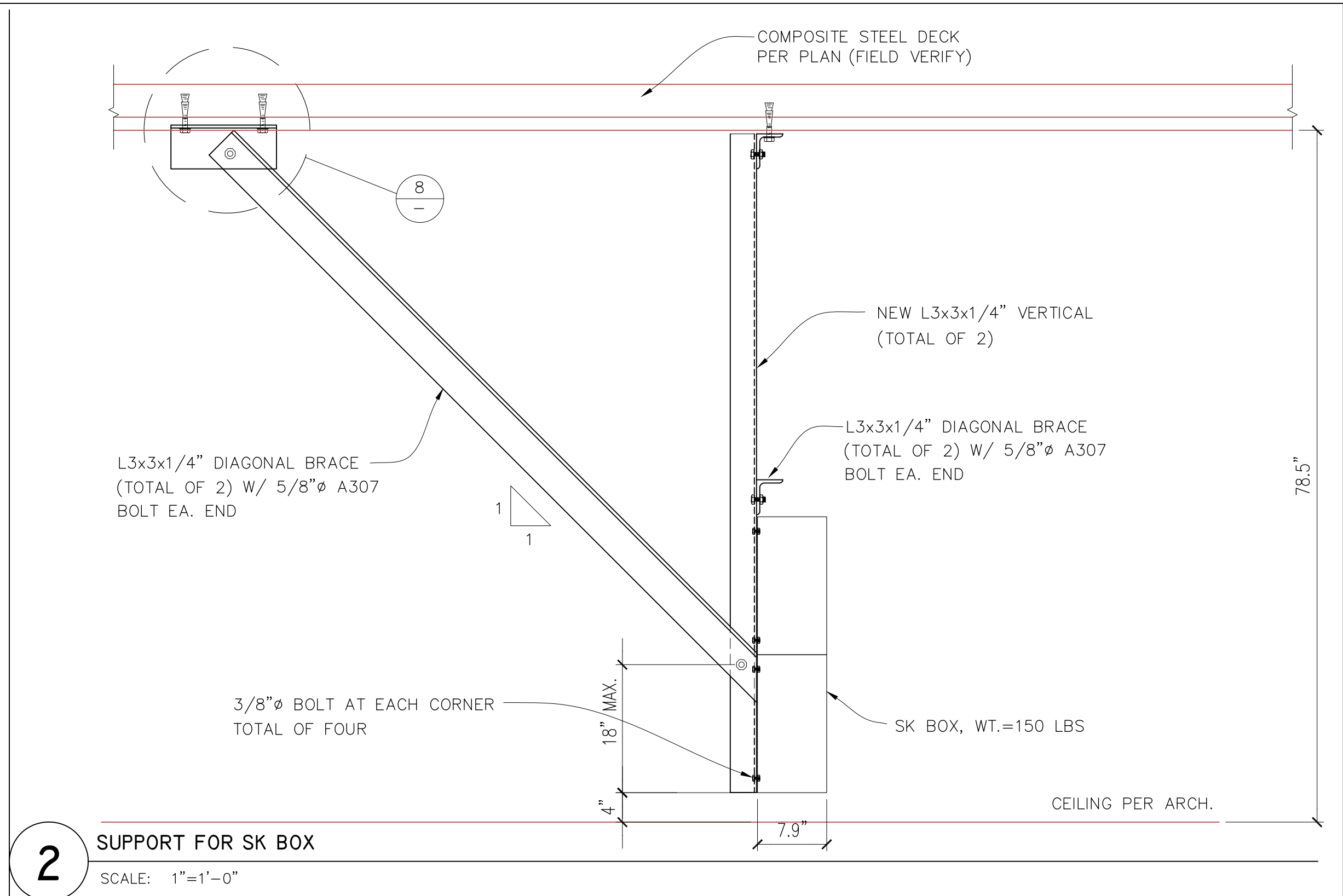
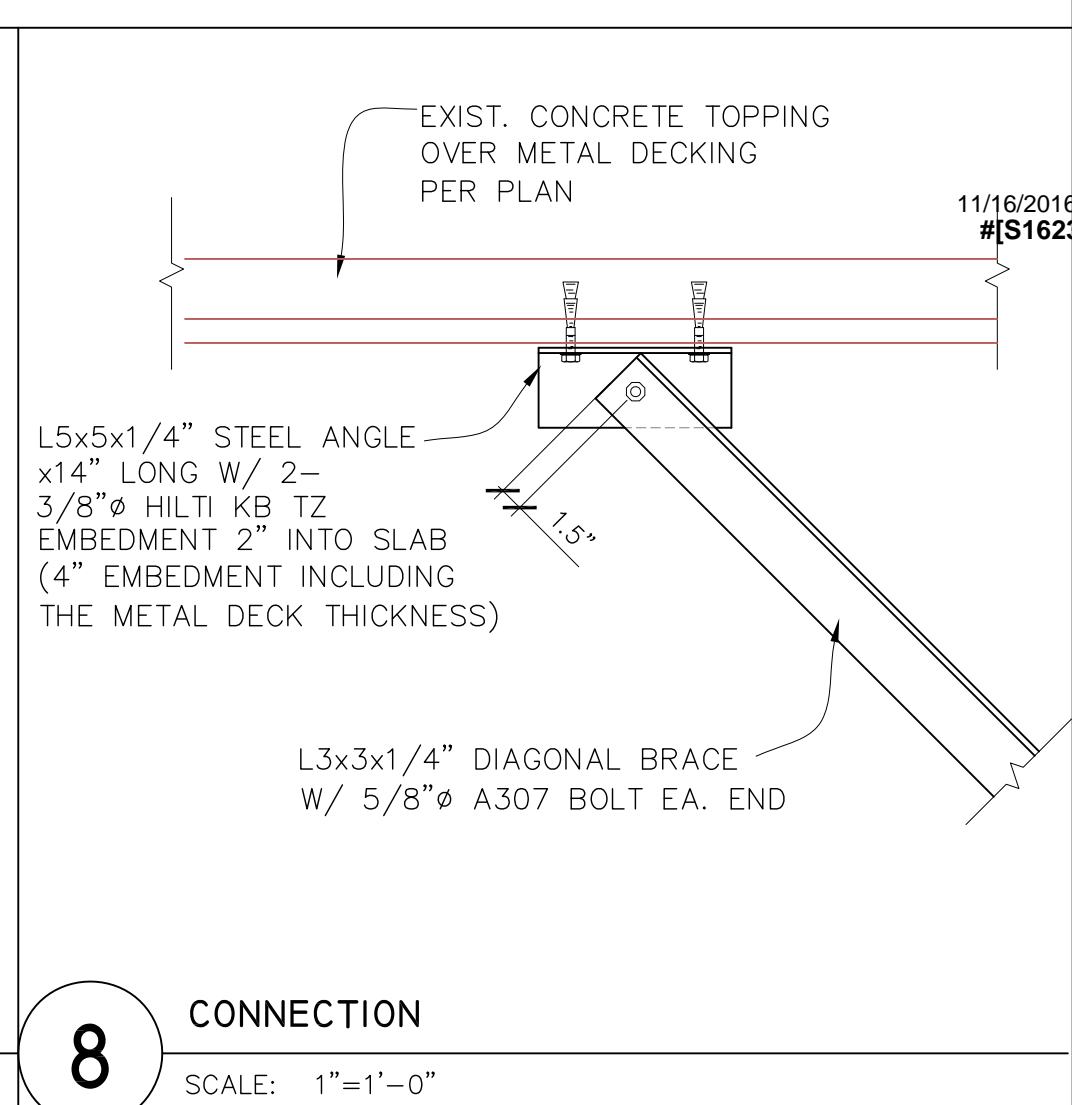
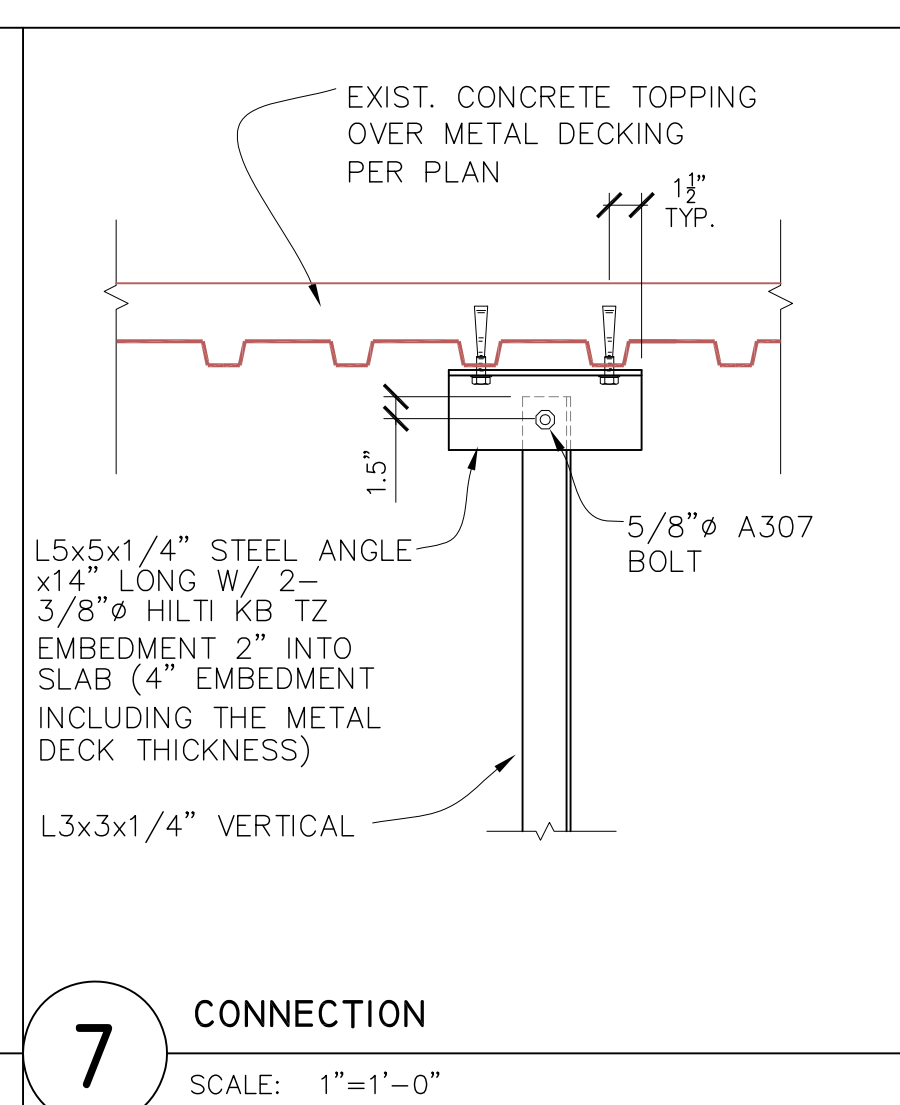
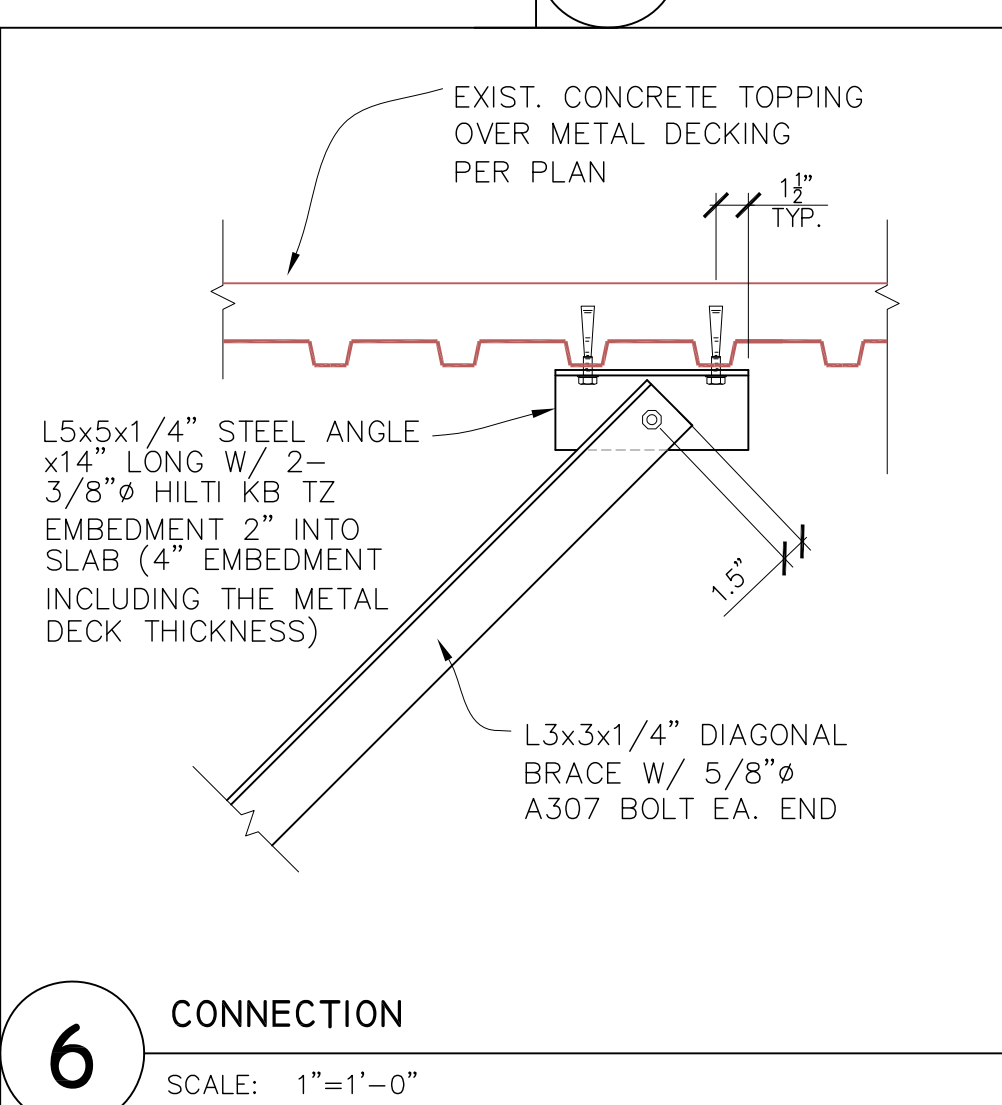
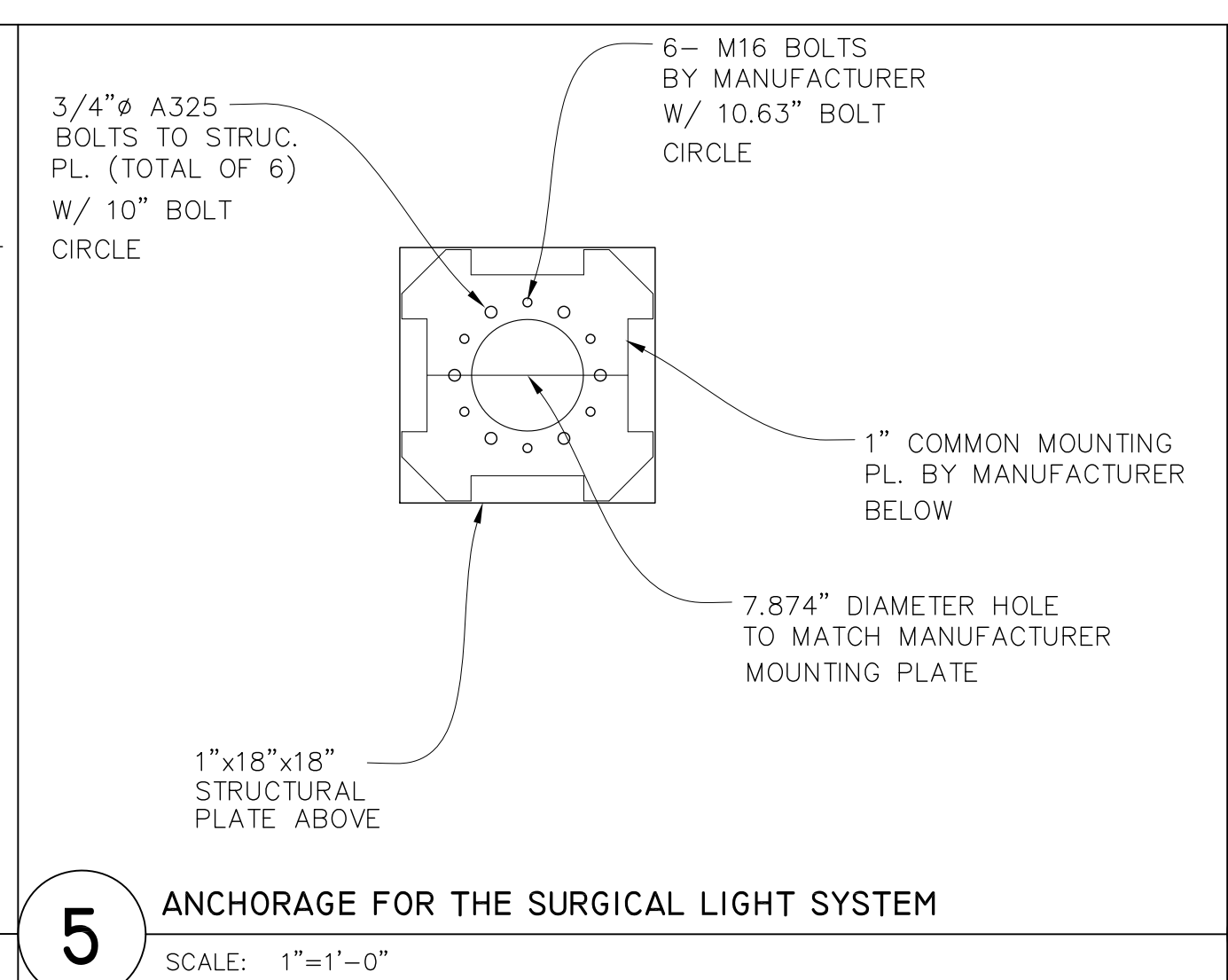
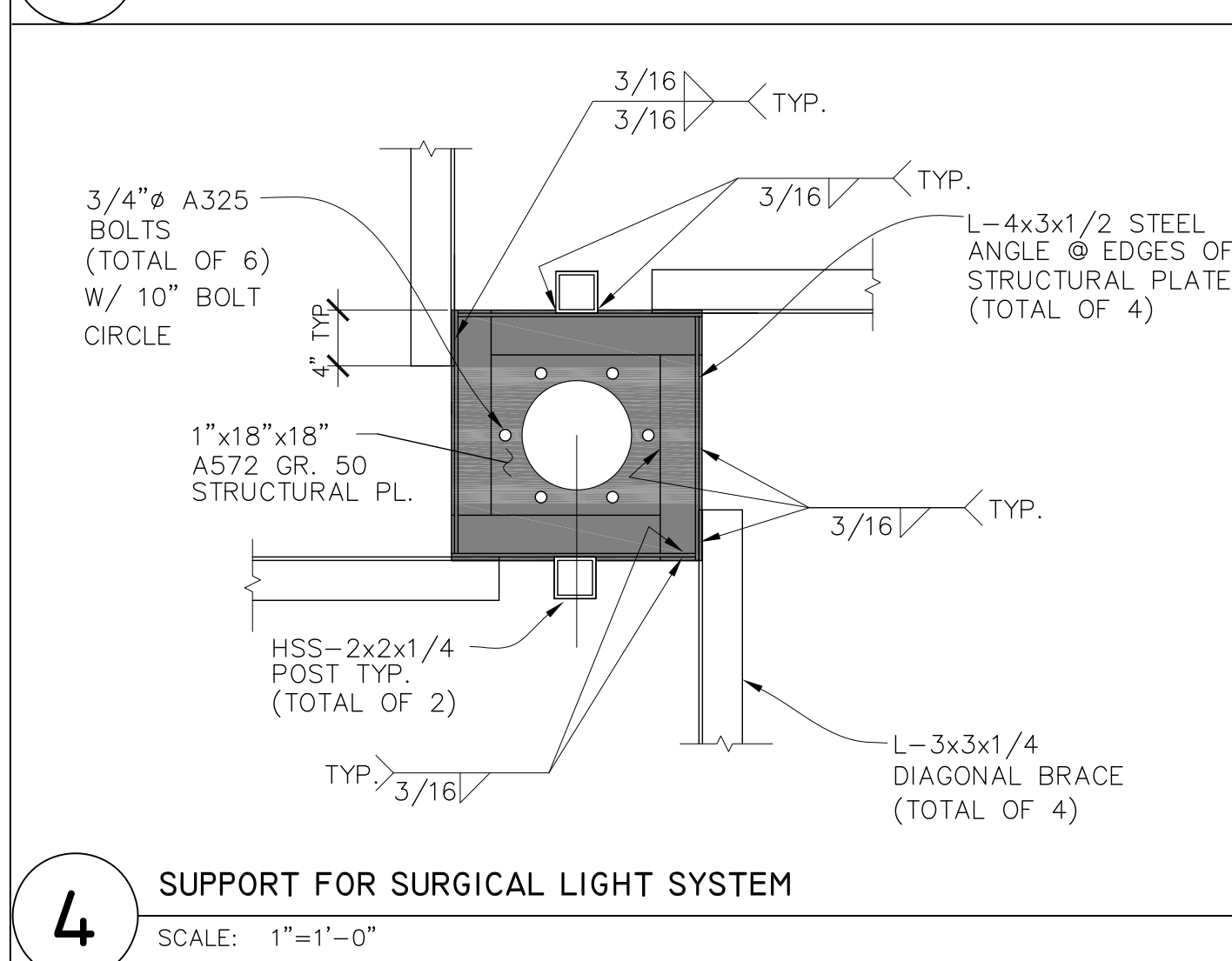
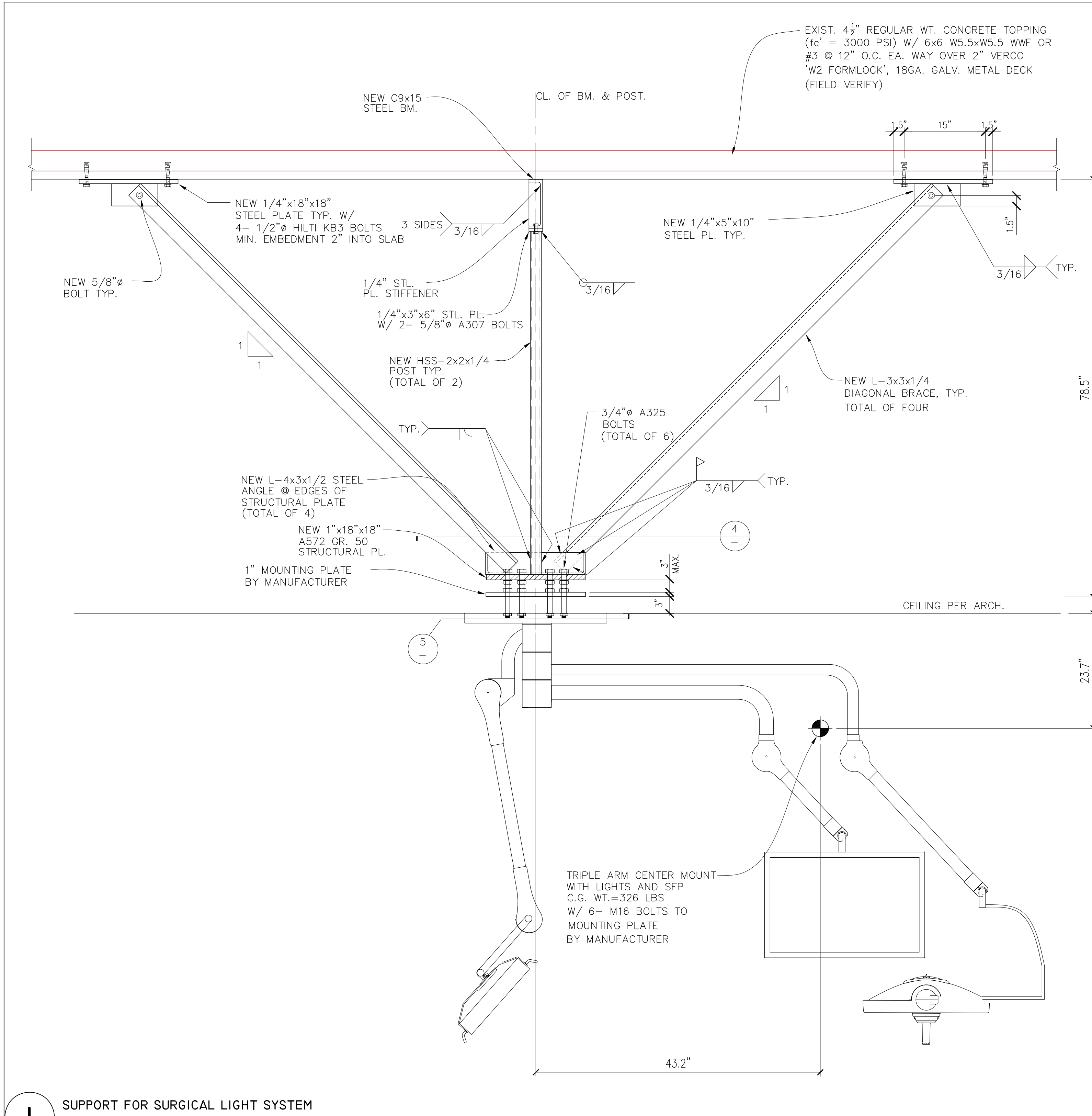
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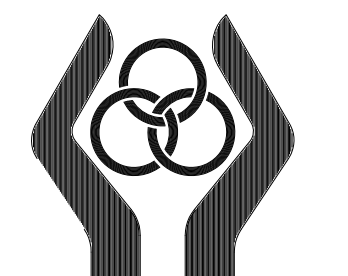
PROJECT # 2016-36

SHEET NAME:
PARTIAL EXISTING
ROOF FRAMING PLAN


SHEET#

S-2





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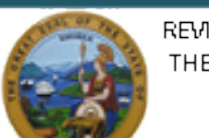
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CONSULTANT:

REVISIONS:

NO.	DATE	DESCRIPTION
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APPROVED

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

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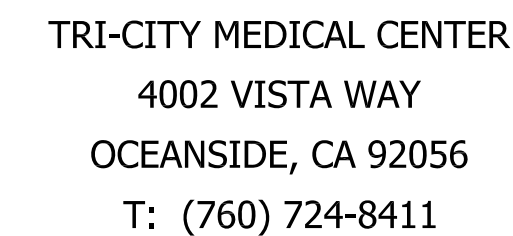
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SHEET NAME: DETAILS

SHEET# SDI



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DATE: 09/23/2016

DRAWN BY:

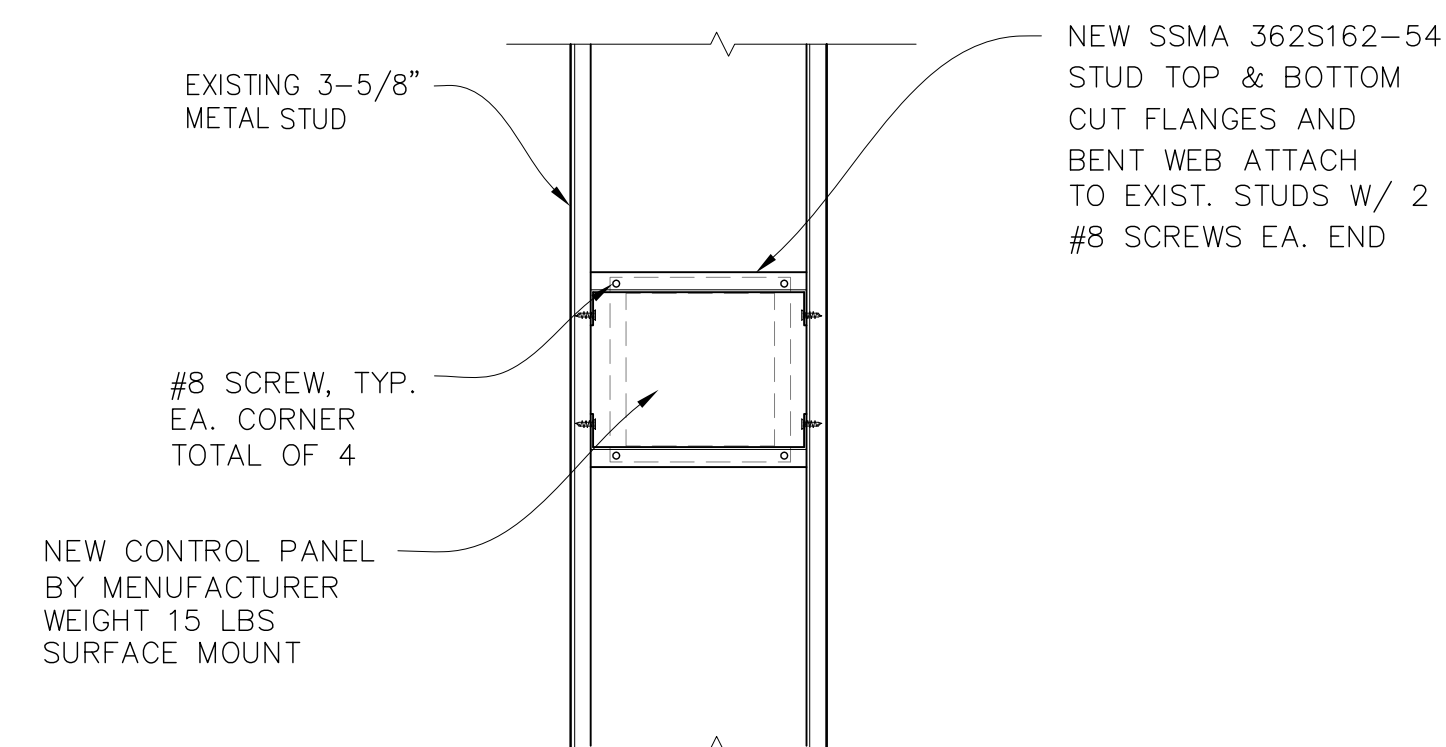
PROJECT #	2016-36
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SHEET NAME:

DETAILS

SHEET #

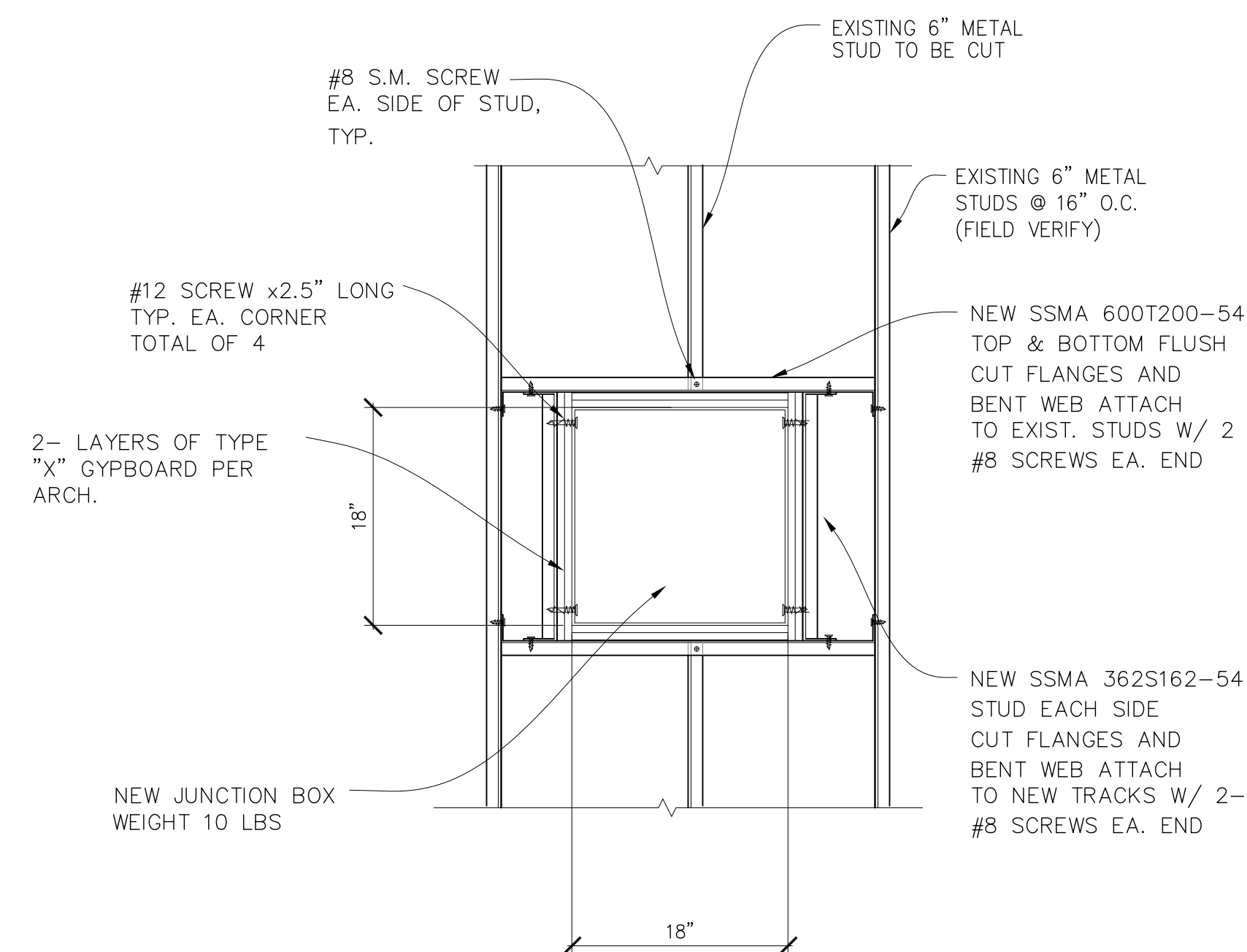
SD2



3

LIGHT CONTROL PANEL ACHORAGE

SCALE: 1"=1'-0'



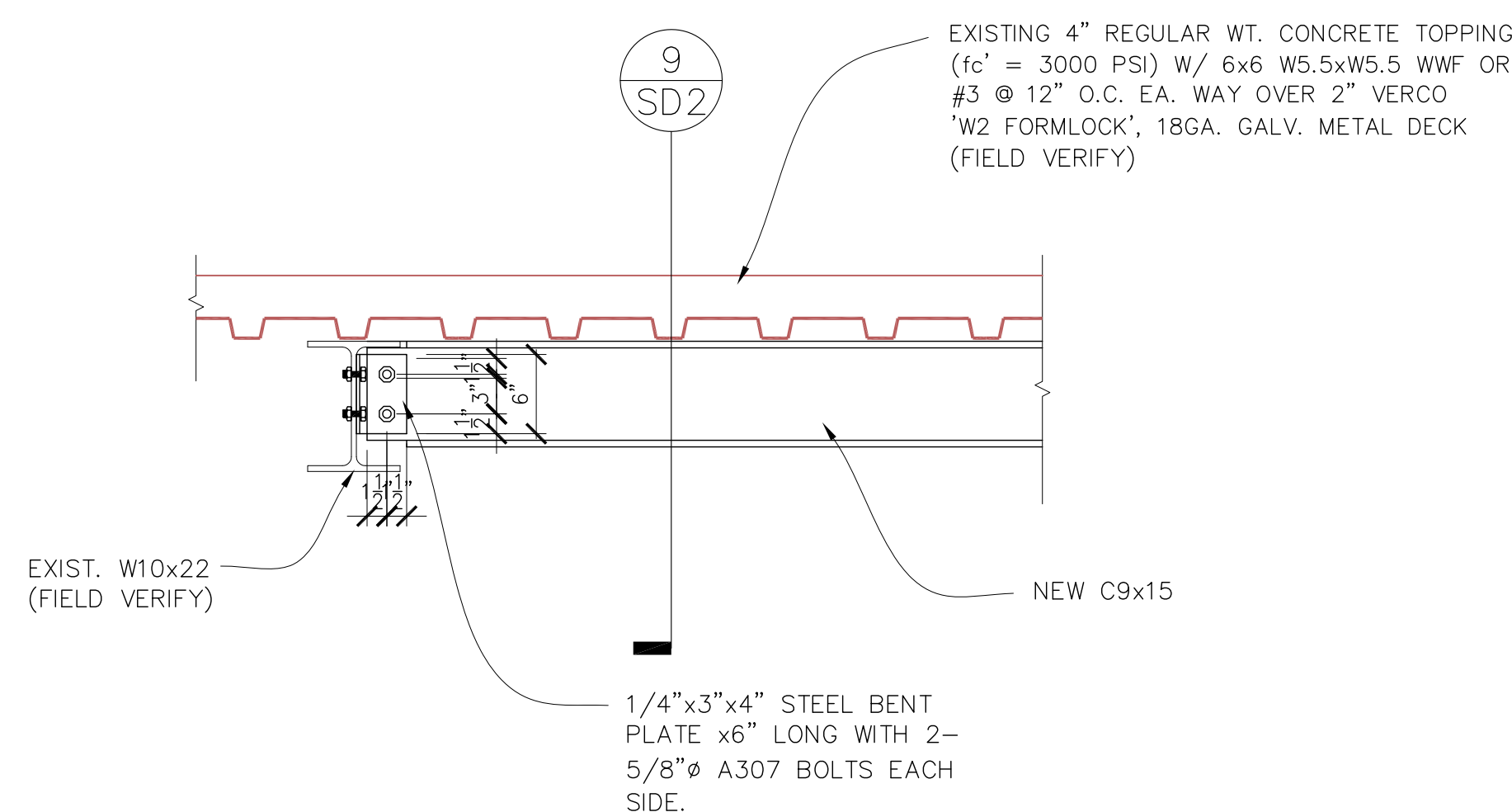
FRONT VIEW

NOTES:
FOR FIRE PROOFING SEE DETAIL 07/A3.1

6

FLUSH MOUNT JUNCTION BOX

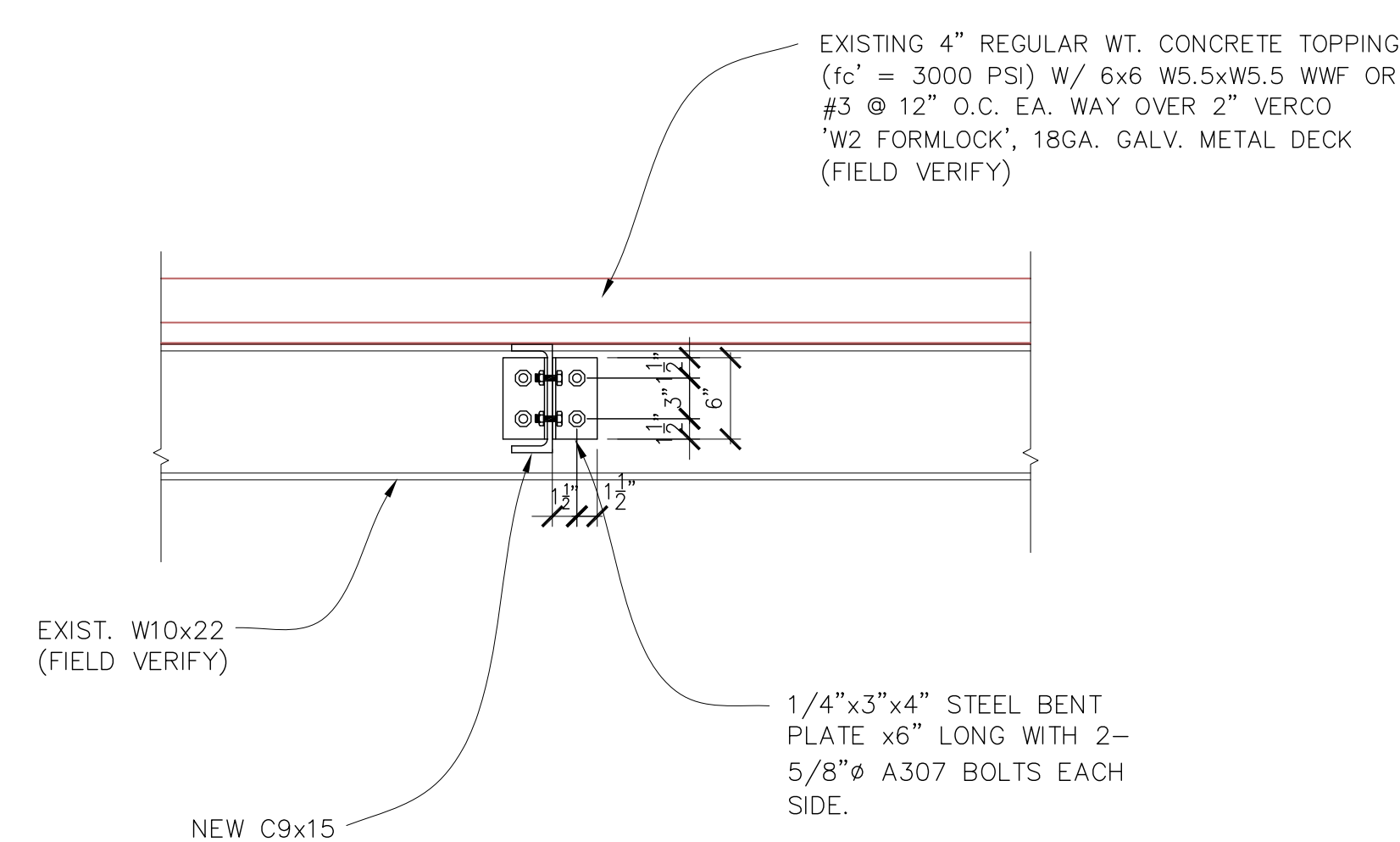
SCALE: 1"=1'-0"



8

NEW STEEL C CHANNEL TO EXISTING BEAM CONNECTION

SCALE: 1"=1'-0"



9

NEW STEEL C CHANNEL TO EXISTING BEAM CONNECTION

SCALE: 1"=1'-0"

DATE:		10/20/2016		PANEL VOLTAGE:		208/120V		CKT CODE:		1=(CONTINUOUS LOAD)															
JOB:		TRI CITY MEDICAL CENTER		PHASE & WIRE:		3ph, 4W				2=(NON-CONT. LOAD)															
PANEL:		1ECA (CRITICAL) (EXISTING)		BUS (AMPS):		400				3=(RECEPTACLES)															
AIC RATING:		10,000		MAINS:		300A/3P MCB				4=(KIT. EQUIPMENT)															
CKT	CB	LOAD DESIGNATION					LOAD	PHASES				LOAD	LOAD DESIGNATION				CB	CKT							
NO.	CODE	TRIP	POLE	DESCRIPTION			MISC	REC	LITE	VA	A	B	C	VA	MISC	REC	LITE	DESCRIPTION	TRIP	POLE	CODE	NO.			
1	1	20	1	LTG. OR # 9						1410	1410	####	####					SPARE	20	1		2			
3	1	20	1	LTG. OR # 10						1360	####	1360	####					SPARE	20	1		4			
5	1	20	1	LTG. STOR/STER. 119, 120						530	####	####	530					SPARE	20	1		6			
7		20	1	SPARE								####	####					SPARE	20	1		8			
9	1	20	1	LTG. OR # 3						1360	####	1360	####					SPARE	20	1		10			
11	1	20	1	LTG. OR # 4						1360	####	####	1360					SPARE	20	1		12			
13	1	20	1	LTG. RM # 113,114,124,126						955	955	####	####					SPARE	20	1		14			
15			20	SPARE							####	1640	####	1640				SUR. CAMERA SCRU 114	20	1	3	16			
17	1	20	1	LTG. BSM/LOCKER RM						550	####	####	1710	1160				SUR. CAMERA SCRU 103	20	1	3	18			
19	1	20	1	LTG. BSM/LOCKER RM						550	1710	####	####	1160				SUR. CAMERA SCRU 120	20	1	3	20			
21		20	1	SPARE							####	1445	####	1445				LTG. OR # 1 RM 103	20	1	1	22			
23		20	1	SPARE							####	####	1395	1395				LTG. OR # 2 RM 104	20	1	1	24			
25	3	100	3	PANEL I2 (OR # 2)						3130	7980	####	####	4320				PANEL I3 (OR # 3)	100	3	3	26			
27	3									5460	####	8970	####	4260								28			
29	3									4030	####	####	8930	4850								30			
31	3	100	3	PANEL I4 (OR # 4)						4500	8190	####	####	3690				PANEL I10 (OR # 10)	100	3	3	32			
33	3									4200	####	8910	####	4710								34			
35	3									4850	####	####	9890	5040								36			
37	3	100	3	PANEL I9 (OR # 9)						3840	3840	####	####					SPACE				38			
39	3									5090	####	5090	####					SPACE				40			
41	3									4860	####	####	4860					SPACE				42			
TOTAL										24085	28775	28675	CONNECTED KVA				81.5								
NOTES:														CONN.KVA (CODE 1)				10.9							
---														CONN.KVA (CODE 2)				0.0							
---														CONN.KVA (CODE 3)				70.7							
---														CONN.KVA (CODE 4)				0.0							

BY: EW														FEEDER DEMAND KVA				54.0							
ISSUE DATE: 20-Oct-16														FEEDER DEMAND AMPS				149.9							
PANEL: 1ECA																									

LOAD CALCULATION SUMMARY PER PIN 38

PANEL 1ECA/ ECDPA

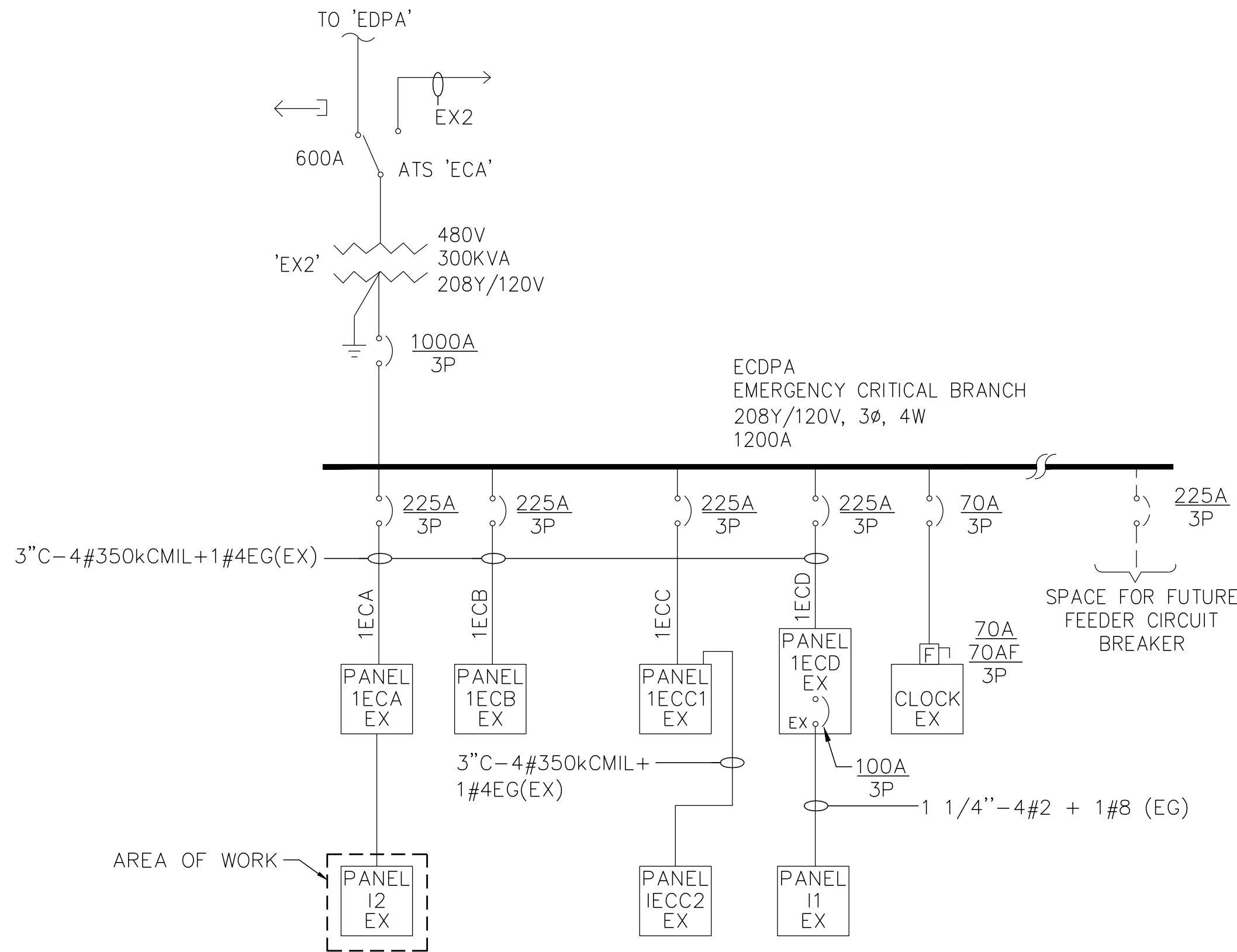
- FOR LEVEL 1 PANEL 1ECA, ITS FEEDER AND FEEDER OVER CURRENT PROTECTIVE DEVICE HAVE BEEN CHECKED AND THAT SUFFICIENT LOAD CAPACITY EXISTS AT THIS POINT IN ELECTRICAL DISTRIBUTION SYSTEM.
- FOR LEVEL 2 PANEL ECDPA, ITS FEEDER AND FEEDER OVER CURRENT PROTECTIVE DEVICE HAVE BEEN CHECKED AND THAT SUFFICIENT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

DATE:	10/20/2016							PANEL VOLTAGE:				208/120V				CKT CODE:				1=(CONTINUOUS LOAD)					
JOB:	TRI CITY MEDICAL CENTER							PHASE & WIRE:				3P/4W								2=(NON-CONT. LOAD)					
PANEL:	I2 (CRITICAL) EXISTING							BUS (AMPS):				100								3=(RECEPTACLES)					
AIC RATING:	10,000							MAINS:				100A/3P MB								4=(KIT. EQUIPMENT)					
CKT	CB		LOAD DESIGNATION					LOAD			PHASES			LOAD			LOAD DESIGNATION					CB		CKT	
NO.	CODE	TRIP	POLE	DESCRIPTION			MISC	REC	LITE	VA	A	B	C	VA	MISC	REC	LITE	DESCRIPTION			TRIP	POLE	CODE	NO.	
1	1	20	1	RECEP- CEILING CORD				3		540	1260	////	////	720	4			RECEP-ORBITER			20	1	3	2	
3	1	20	1	RECEP- CEILING CORD				4		720	////	1800	////	1080	6			RECEP-ORBITER			20	1	3	4	
5	1	20	1	RECEP- CEILING CORD				3		540	////	////	1440	900	5			RECEP-ORBITER			20	1	3	6	
7	1	20	1	RECEP NORTH WALL				1		180	540	////	////	360	2			RECEP-ORBITER			20	1	3	8	
9	1	20	1	RECEP ILLUMINATION			1			1140	////	1980	////	840	6			RECEP-NEW/WALLS			20	1	3	10	
11	1	20	1	RECEP VIDEO/MONITOR			1			180	////	////	420	240	4			RECEP-SOUTH WALL			20	1	3	12	
13	1	20	1	SURGICAL LIGHT OR2			1			250	970	////	////	720	4			RECEPTACLE			20	1	3	14	
15	1	20	1	SURGICAL LIGHT OR 2			1			250	////	970	////	720	4			RECEPTACLE			20	1	3	16	
17	3	20	1	NEPTUNE			1			1200	////	////	1450	250	1			NEW SURGICAL LIGHT			20	1	3	18	
19	3	20	1	RECEP CEILING				2		360	360	////	////								20	1		20	
21	3	20	1	RECEP CEILING				2		360	////	710	////	350	1			SK BOX OR2			20	1	3	22	
23	3	20	1	RECEP CEILING				2		360	////	////	720	360	1			NEW SK BOX			20	1	3	24	
25				BLANK							0	////	////					BLANK						26	
TOTAL										3130	5460	4030	CONNECTED KVA					12.6							
NOTES: INSTALL 201A/1P CB IN SPACE 18, 20, 24 --- --- ---										CONN.KVA (CODE 1)					3.8										
										CONN.KVA (CODE 2)					0.0										
										CONN.KVA (CODE 3)					8.8										
										CONN.KVA (CODE 4)					0.0										
BY: EW										FEEDER DEMAND KVA					13.6										
ISSUE DATE: 20-Oct-16										FEEDER DEMAND AMPS					37.7										
PANEL: I2 (CRITICAL) EXISTING																									

LOAD CALCULATION SUMMARY PER PIN 38

PANEL I2/ 1ECA

- FOR LEVEL 1 PANEL I2, ITS FEEDER AND FEEDER OVER CURRENT PROTECTIVE DEVICE HAVE BEEN CHECKED AND THAT SUFFICIENT LOAD CAPACITY EXISTS AT THIS POINT IN ELECTRICAL DISTRIBUTION SYSTEM.
- 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.



EQUIPMENT SCHEDULE		
KEY ITEM	NAME	QTY
A	CHROMOPHARE F628 SURGICAL LIGHT/F628 SURGICAL LIGHT / SINGLE FLAT PANEL ARM - 1100/1000/900 ARMS REFERENCE DRAWING #: 81173C001	1
B	CHROMOPHARE F628 SURGICAL LIGHT / SINGLE FLAT PANEL ARM - 1100/1000 ARMS REFERENCE DRAWING #: 81173C002	1
J	SWITCHPOINT INFINITY 3	1
J1	SP13 REMOTE TOUCH PANEL	1
K	SK ENCLOSURE FOR CHROMOPHARE LIGHTING (LOCATION, TBD)	1
L	CHROMOPHARE SURGICAL LIGHT WALL CONTROL PANEL	1
M	FLUSH MOUNTED ROUND CEILING SPEAKER (EX)	2
N1	WALL PLATE SINGLE GANG DVI -48" ABOVE FINISHED FLOOR	7
N2	WALL PLATE SINGLE GANG DVI FOR VITALS -INSTALL HIGH ABOVE FINISHED FLOOR	1

CONDUIT SCHEDULE

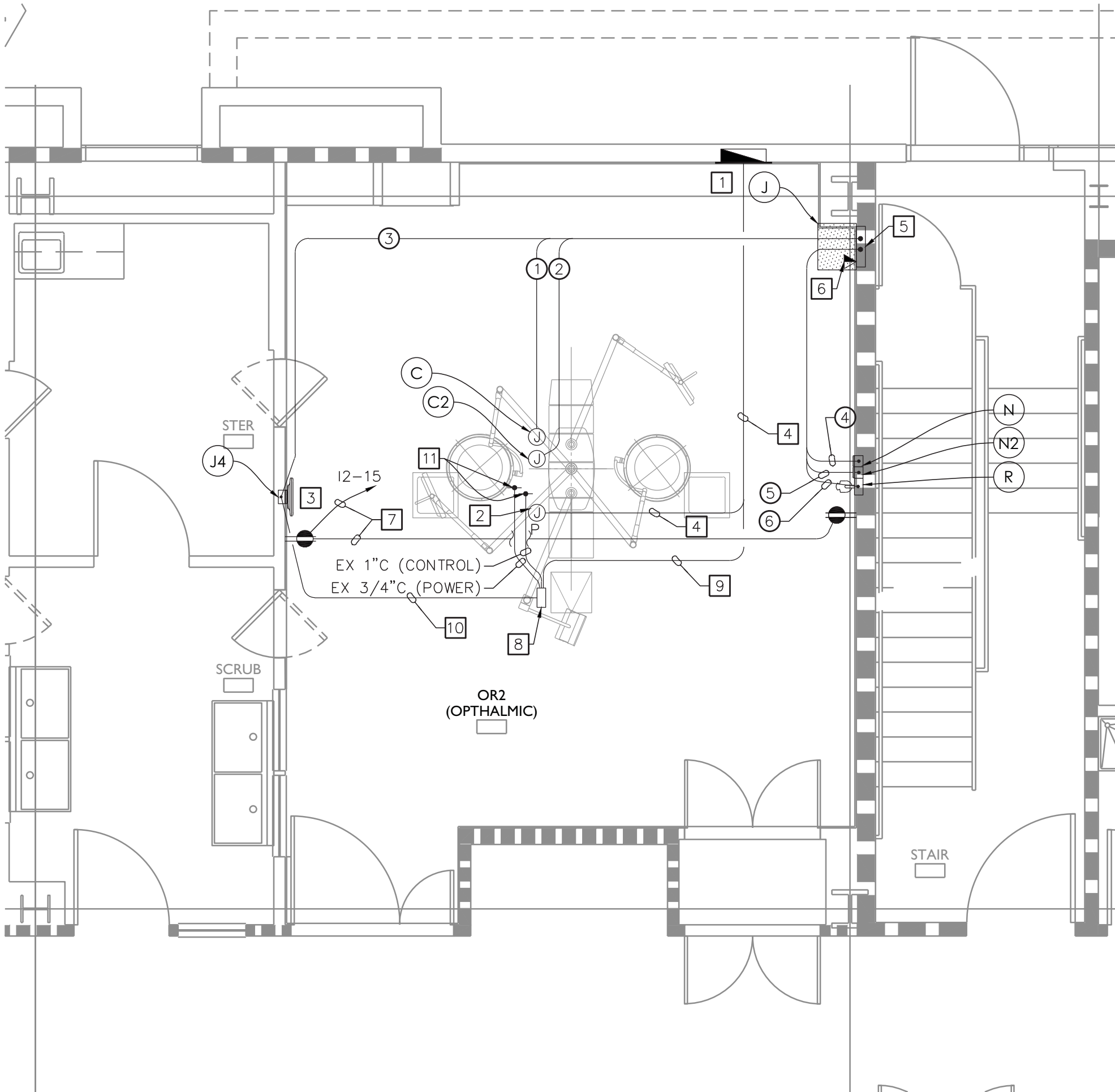
CONDUIT #	CONDUIT RUN ITEM - ITEM	CONDUIT QTY	CONDUIT SIZE
①	A - J	1	1 1/4"
②	A - K	2	1"
③	A - B	1	1"
④	B - J	1	1 1/4"
⑤	B - K	2	1"
⑥	L - K	1	1"
⑦	M - J	1	3/4"
⑧	N1 - J	1	1 1/2"
⑨	N2 - J	1	1 1/2"
⑩	K - *	1	1"
* - TERMINATE AT CLOSET ELECTRICAL PANEL			

NOTES: (UNLESS OTHERWISE SPECIFIED)

- ALL CONDUIT RUNS INCLUDE INSULATED BUSHINGS AND PULL STRINGS.
- CONDUIT RUNS CANNOT EXCEED 50' FROM END-TO-END. DO NOT EXCEED FOUR (4) 90 DEGREE BENDS.
- CABLES BETWEEN ITEMS OVER 50 FEET IN LENGTH ARE PROVIDED BY THE CUSTOMER / CONTRACTOR. PLEASE REFER TO EQUIPMENT LIST FOR CABLE SPECIFICATIONS.
- THE PRE-INSTALL MANUAL REQUIREMENTS SUPERSEDE ALL PRE-INSTALL NOTES IN THIS DRAWING PACKAGE..

PRE-INSTALL NOTES SCHEDULE

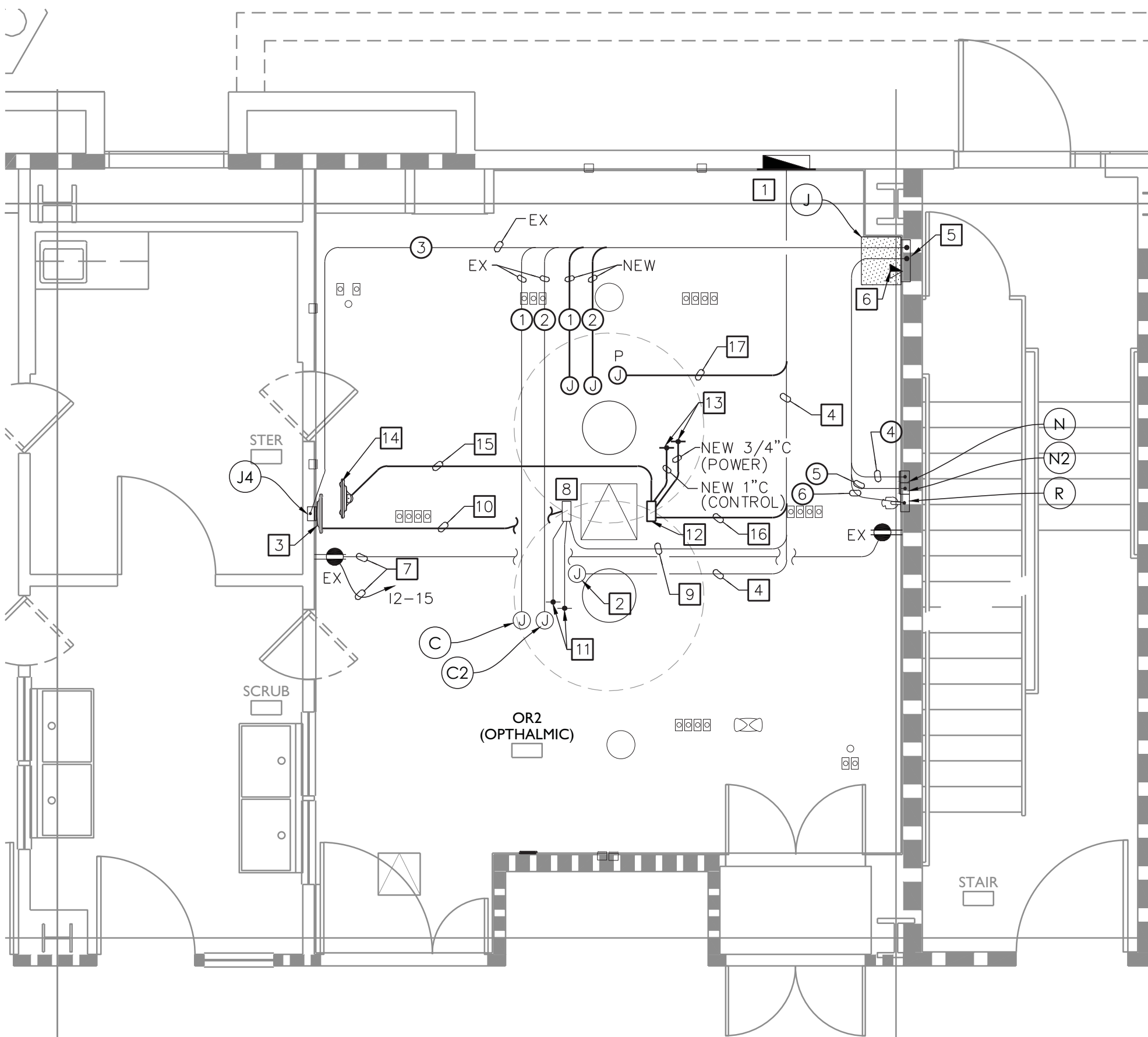
KEY ITEM	NAME
A	CHROMOPHARE F628 SURGICAL LIGHT / F628 SURGICAL LIGHT / SINGLE FLAT PANEL ARM CONDUIT: REFER TO ROOM LAYOUT FOR CONDUIT SIZE. TERMINATE ALL CONDUITS WITHIN 18" OF THE CENTER OF THE CEILING MOUNT. LIGHT POWER: REFER TO "ELECTRIC" NOTE FOR POWER MONITOR POWER: ONE (1) - 20 AMP CIRCUIT LOCATED AT JUNCTION BOX WITHIN 18" OF CENTER OF STRYKER PRE-INSTALL PLATE. - THE CONTRACTOR / ELECTRICIAN TO HARDWIRE STRYKER ELECTRICAL WHIPS DURING STRYKER INSTALLATION. INSTALL ONE (1) - 5 AMP FUSE FOR 100V- 120V APPLICATIONS, OR A 2.5 AMP FUSE FOR 200V-240V APPLICATIONS, IF REQUIRED BY LOCAL ELECTRICAL CODE. THESE FUSES MUST BE PROVIDED BY THE CONTRACTOR. ACCESS PANEL: ONE (1) 24" X 24" ACCESS PANEL ADJACENT TO SUSPENSION. STRUCTURAL: STRYKER PRE-INSTALL PLATE SHALL BE INSTALLED BY CUSTOMER/CONTRACTOR AT 3-inch, ± .25-inch ABOVE FINISHED CEILING PER CUSTOMER PROVIDED STRUCTURAL ENGINEER SPECS. - NEW CONSTRUCTION, A 12" CIRCULAR HOLE CENTERED ON STRYKER PRE-INSTALL PLATE IN THE FINISHED CEILING IS REQUIRED FOR NEW INSTALLATION. A 18" CIRCULAR CEILING COVER CONCEALS HOLE AFTER SUSPENSION IS INSTALLED. - RENOVATION, A 18.25" CIRCULAR HOLE CENTERED ON STRYKER PRE-INSTALL PLATE IN THE FINISHED CEILING IS REQUIRED FOR NEW INSTALLATION. A 23" CIRCULAR CEILING COVER CONCEALS HOLE AFTER SUSPENSION IS INSTALLED.
B	CHROMOPHARE F628 SURGICAL LIGHT / SINGLE FLAT PANEL ARM CONDUIT: REFER TO ROOM LAYOUT FOR CONDUIT SIZE. TERMINATE ALL CONDUITS WITHIN 18" OF THE CENTER OF THE CEILING MOUNT. MONITOR POWER: ONE (1) - 20 AMP CIRCUIT LOCATED AT JUNCTION BOX WITHIN 18" OF CENTER OF STRYKER PRE-INSTALL PLATE. - THE CONTRACTOR / ELECTRICIAN TO HARDWIRE STRYKER ELECTRICAL WHIPS DURING STRYKER INSTALLATION. INSTALL ONE (1) - 5 AMP FUSE FOR 100V- 120V APPLICATIONS, OR A 2.5 AMP FUSE FOR 200V-240V APPLICATIONS, IF REQUIRED BY LOCAL ELECTRICAL CODE. THESE FUSES MUST BE PROVIDED BY THE CONTRACTOR. LIGHT POWER: REFER TO "ELECTRIC" NOTE FOR POWER. ACCESS PANEL: ONE (1) 24" X 24" ACCESS PANEL ADJACENT TO SUSPENSION. STRUCTURAL: STRYKER PRE-INSTALL PLATE SHALL BE INSTALLED BY CUSTOMER/CONTRACTOR AT 3-inch, ± .25-inch ABOVE FINISHED CEILING PER CUSTOMER PROVIDED STRUCTURAL ENGINEER SPECS. - NEW CONSTRUCTION, A 12" CIRCULAR HOLE CENTERED ON STRYKER PRE-INSTALL PLATE IN THE FINISHED CEILING IS REQUIRED FOR NEW INSTALLATION. A 18" CIRCULAR CEILING COVER CONCEALS HOLE AFTER SUSPENSION IS INSTALLED. - RENOVATION, A 18.25" CIRCULAR HOLE CENTERED ON STRYKER PRE-INSTALL PLATE IN THE FINISHED CEILING IS REQUIRED FOR NEW INSTALLATION. A 23" CIRCULAR CEILING COVER CONCEALS HOLE AFTER SUSPENSION IS INSTALLED.
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.
J1	SP1-3 REMOTE TOUCH PANEL (GCX MOUNT OR OTHER) 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.
K	SK ENCLOSURE FOR CHROMOPHARE LIGHTING 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 ENCLOSURE (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 SURGICAL LIGHT WALL CONTROL PANEL (EXISTING) CONDUIT: ONE (1) 1" CONDUIT TO SK ENCLOSURE OR ON TUBE ELECTRONICS. BACK BOX: ONE (1) STANDARD 4X4 JUNCTION BOX. POWER: NONE
M	FLUSH MOUNTED CIRCULAR CEILING SPEAKER CONDUIT: ONE (1) 3/4" CONDUIT TERMINATED 6" ABOVE SPEAKER CUTOUT STRUCTURAL: CUSTOMER/CONTRACTOR TO CUT ONE 10 3/4" DIA. CIRCLE AT SPEAKER MOUNTING LOCATION. - OUTER DIA. DIMENSION IS 13.4" PROVIDE 5" MINIMUM CEILING CLEARANCE.
N1	PLATE SINGLE GANG COPPER DVI 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.
N2	WALL PLATE SINGLE GANG COPPER DVI FOR VITALS 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.
	HD WIRELESS IN-LIGHT CAMERA - BOX TO SIT ON TOP OF SP13 ROUTER IT RECEIVES ONE (1) ALL OUTLET TO PLUG INTO. IT IS CONNECTED TO A ONE (1) VIDEO CABLE TO THE SP13 ROUTER. IT TRANSMITS WIRELESSLY TO THE IN-LIGHT CAMERA.



1 PARTIAL FIRST FLOOR PLAN - OR2 POWER - DEMO
SCALE: 1/8" = 1'-0"

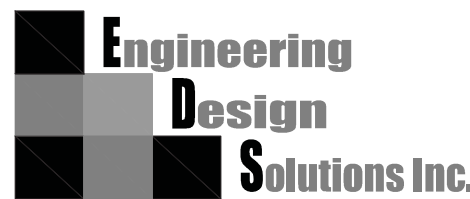
KEY NOTES FOR DETAIL 1

- EXISTING PANEL "12" 100A, 208/ 120V 3P, 4W (CRITICAL).
- EXISTING CEILING MOUNTED (ABOVE CEILING) J-BOX FOR CONNECTION TO NEW SURGICAL LIGHT.
- EXISTING SURGICAL LIGHTING CONTROLLER TO REMAIN.
- EXISTING 3/4"C - 1 # 12 H + 1 # 12 N + 1 # 12 EG. (CKT 12-13) (ABOVE CEILING) TO REMAIN.
- EXISTING 18" x 18" x 4" BACK BOX RECESSED IN WALL. BOTTOM OF BOX 9" AFF. SS HINGED COVER WITH 6" X 2" OBLONG GROMMETT OPENING.
- EXISTING DATA OUTLET - 4" SQ J-BOX (RECESSED) WITH 3/4"C STUB 6" ABOVE CEILING.
- EXISTING 3/4"C - 1 # 12 H + 1 # 12 N + 1 # 12 EG (CKT 12-15) (ABOVE CEILING).
- SK BOX MOUNTED ABOVE CEILING TO BE RELOCATED. SEE STRUCTURE DRAWING FOR SUPPORT DETAIL 2 AND 3 DRAWING SD-1.
- EXISTING 3/4"C - 1 # 12 H + 1 # 12 N + 1 # 12 EG. (CKT 12-22).
- EXISTING 3/4"C.
- EXISTING STUB CONDUIT WITHIN 18" OF CONTROL MOUNT.



KEY NOTES FOR DETAIL 2

- EXISTING PANEL "12" 100A, 208/ 120V 3P, 4W (CRITICAL).
- EXISTING CEILING MOUNTED (ABOVE CEILING) J-BOX FOR CONNECTION TO NEW SURGICAL LIGHT.
- EXISTING SURGICAL LIGHTING CONTROLLER TO REMAIN.
- EXISTING 3/4"C - 1 # 12 H + 1 # 12 N + 1 # 12 EG. (CKT 12-13) (ABOVE CEILING) TO REMAIN.
- EXISTING 18" x 18" x 4" BACK BOX RECESSED IN WALL. BOTTOM OF BOX 9" AFF. SS HINGED COVER WITH 6" X 2" OBLONG GROMMETT OPENING.
- EXISTING DATA OUTLET - 4" SQ J-BOX (RECESSED) WITH 3/4"C STUB 6" ABOVE CEILING.
- EXISTING 3/4"C - 1 # 12 H + 1 # 12 N + 1 # 12 EG (CKT 12-15) (ABOVE CEILING).
- SK BOX MOUNTED ABOVE CEILING TO BE RELOCATED. SEE STRUCTURE DRAWING FOR SUPPORT DETAIL 2 AND 3 DRAWING SD-1.
- EXISTING 3/4"C - 1 # 12 H + 1 # 12 N + 1 # 12 EG. (CKT 12-22).
- EXISTING 3/4"C EXTEND TO NEW LOCATION OF SK BOX.
- EXISTING STUB CONDUIT WITHIN 18" OF CONTROL MOUNT EXTEND TO NEW LOCATION OF SK BOX.
- NEW SK BOX MOUNTED ABOVE CEILING. SEE STRUCTURE DRAWING FOR SUPPORT DETAIL.
- NEW STUB CONDUIT WITHIN 18" OF CONTROL MOUNT.
- NEW SURGICAL LIGHT CONTROLLER.
- NEW 3/4"C.
- NEW 3/4"C - 1 # 12 H + 1 # 12 N + 1 # 12 EG (CKT 12-24).
- NEW 3/4"C - 1 # 12 H + 1 # 12 N + 1 # 12 EG (CKT 12-18).



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www.edsync-sd.com



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Consulting Structural Engineers
2091 Los Palms Dr. Suite D
Carlsbad, California 92011
Tel: 760-438-1188
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TRI-CITY MEDICAL CENTER
OR2 LIGHT REPLACEMENT

4002 VISTA WAY, OCEANSIDE CA 92056

CONSULTANT:



16-SUN-03

REVISIONS:

1 10/28/2016 OSHPD COMMENTS

AGENCY APPROVAL



11/16/2016 11:04:37 AM
#S162331-37-00

DATE: 09/23/2016

DRAWN BY:

PROJECT # 2016-36

SHEET NAME:
PARTIAL FIRST FLOOR PLAN -
OR2 POWER DEMO AND NEW

SHEET#

E-3

BERCHTOLD

Contractor's Summary

For

CHROMOPHARE® Surgical Light SK Box

Installation

WARNING

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 in 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 or personnel.

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 Bертold TELETOM® TC model Power Booms.

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

OR Numbers

Number of Units

SK Box Mounting General Information

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.

BERCHTOLD

Mounting Options

Above Finished Ceiling

The SK Box must remain accessible (through a nearby access panel) after installation. The hinged doors must have complete freedom of movement in the ceiling, and must not ever be obstructed.

Wall-Mount (Flush)

If an integrated Light Control Panel is desired, this must be indicated at time of order.

Wall-Mount (Recessed)

SK Box recessed mount collar is required for this type of installation.

Contractor should measure target wall before installation to verify that there is sufficient depth in the stud wall to accommodate this type of installation.

If an integrated Light Control Panel is desired, this must be indicated at time of order.

19.75"

6.45"

6.45"

13.20"

15.75"

Front View

7.90"

Side View

Dimensions are given for one compartment of the SK Box. A Complete SK is two compartments stacked vertically.

Conduit Plate Installation

1. Select where on the mounting ring you want the conduit to terminate (any two adjacent nuts).

2. Back the nuts (a) down the all-thread rods (B) away from the light mounting plate (C).

3. Insert the conduit plate (D) under the light mounting plate, and tighten the nuts.

Mounting Plate
Furnished and installed by Contractor

Appropriate All-Thread Rod
Furnished and installed by Contractor

1" Conduit to AC Mains and
12 AWG 3-Wire Cable Furnished and
Installed by Contractors

Angle Iron (typical)
And Fasteners
Furnished and
Installed by
Contractor

Mounting Method
And/or Fasteners
Furnished and
Installed by
Contractor

Door

Hinge
Side

Mount Orientation

305mm
12"

175mm
6.25"

3/4" Conduit Run to Mounting Ring for 24VDC

Light
Mounting Plate

1 Ground
1 pair (2 wires) per light
12 AWG 18" below mount

Light Suspension Flange

Low Voltage Terminal Block

Light Arm

1" Conduit Control Cable

Access
Hatch

Light
Soffit Cover

120V Terminal Block
for Flat Panel if Used

Finished
Ceiling

Figure 1

Conduit Requirements for Wall Mount

1. All conduit is to be a minimum of 1" (25mm) metallic U.N.O.

2. Conduits are to be deburred, cleaned, capped, and furnished with nylon pul rope.

3. Contractor is to provide cable protection bushings on all boxes and conduit stub-outs.

4. Conduit stub-outs, junction boxes, and outlets must be suitably labeled for identification of function, J-box number, and/or condu number.

1" Conduit when order includes a flat panel product.

1" Conduit Run to J-Box behind CHROMOPHARE® Wall Control

1" to 2" Conduit Run to Documentation Station or Other Owner Specified Location

For Signal Cables (Size determined by Equipment Vendor), if installed camera

1" Conduit Run to AC Mains

Optional Control Panel

Wire Whip
(Must hang 18" below Mounting Ring)

1" Conduit Control Cable

Chromophare® Mounting Ring

1" Conduit run to Mounting Ring for 24VDC
(Wire Whip Must hang 18" below Mounting Ring)

Light Mount Conduit Plate

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4002 VISTA WAY

OCEANSIDE, CA 92056

T: (760) 724-8411

REGISTERED PROFESSIONAL ENGINEER

SEUNGHUA SUN

U.S. #609

EXP. 6/30/2017

STRUCTURAL

STATE OF CALIFORNIA

Engineering

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Consulting Structural Engineers

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ELECTRICAL

STATE OF CALIFORNIA

16-SUN-03

REVISIONS:

1

10/28/2016

QSHPD COMMENTS

AGENCY APPROVAL

REVIEWED IN ACCORDANCE WITH
THE REQUIREMENTS OF T24, CCR

APPROVED

Laura Baldrati, Sr. Architect

Office of Statewide Health
Planning & Development

FACILITIES DEVELOPMENT DIVISION

11/16/2016 11:04:37 AM

#S162331-37-00

QSHPD # S162331-37-00

DATE: 09/23/2016

DRAWN BY:

PROJECT # 2016-36

SHEET NAME:
DETAILS

SHEET#

E-4

Engineering

Design

Solutions Inc.

12396 World Trade Drive, Suite 103

San Diego, California 92128

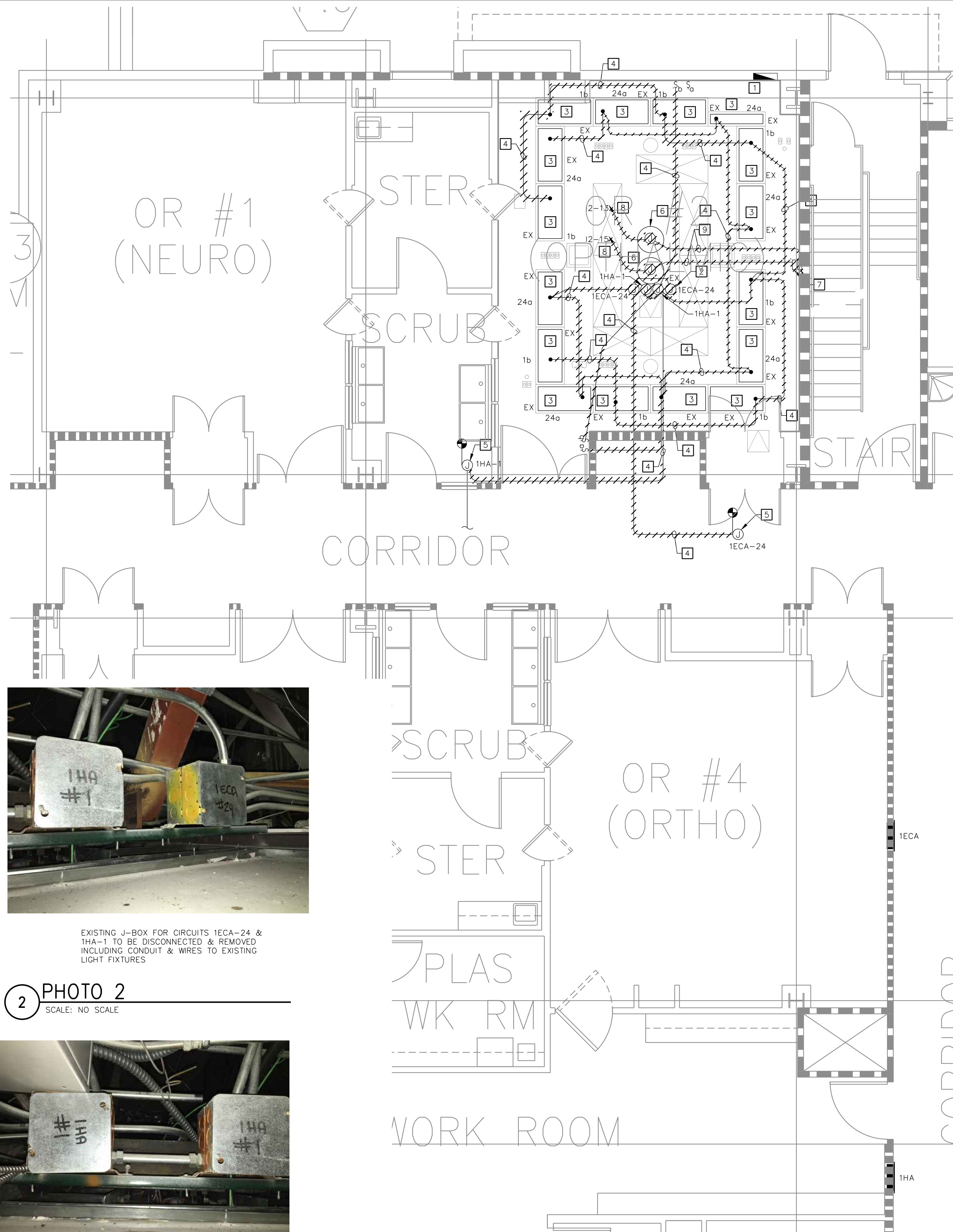
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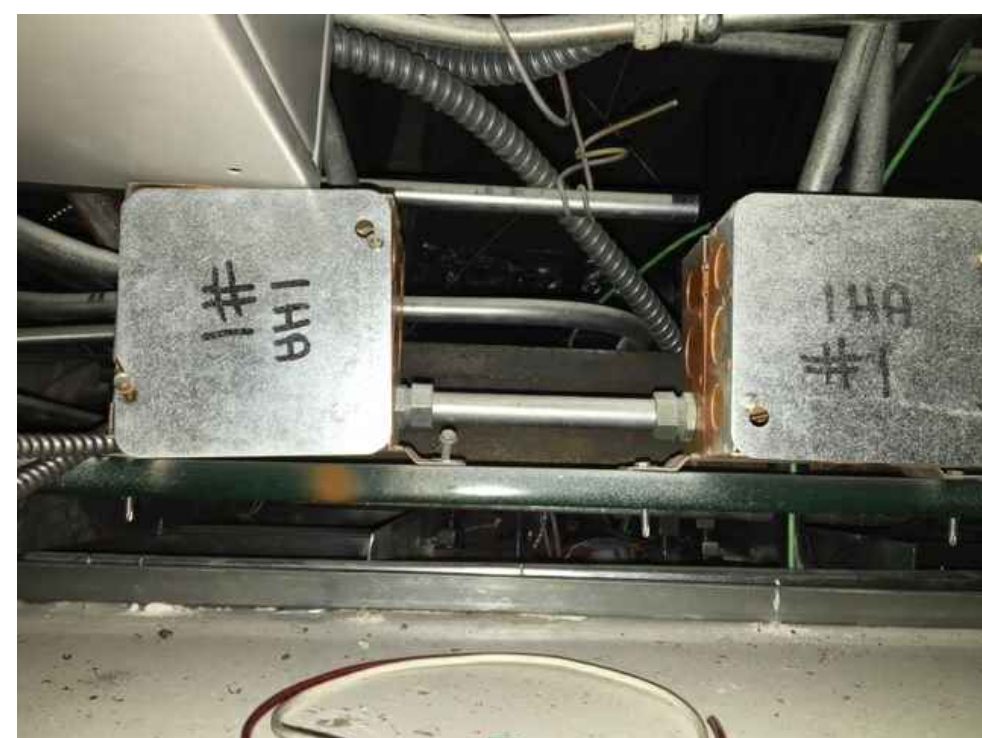
EXISTING SURGICAL LIGHT FIXTURES TO BE DISCONNECTED & REMOVED (EXISTING ACCESS PANEL IS ON LEFT)

1 PHOTO 1
SCALE: NO SCALE



EXISTING J-BOX FOR CIRCUITS 1ECA-24 & 1HA-1 TO BE DISCONNECTED & REMOVED INCLUDING CONDUIT & WIRES TO EXISTING LIGHT FIXTURES

2 PHOTO 2
SCALE: NO SCALE

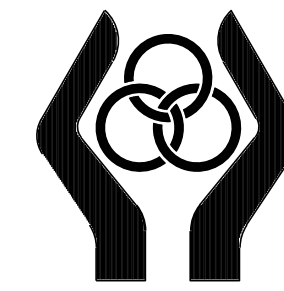


3 PHOTO 3
SCALE: NO SCALE

1 PARTIAL FIRST FLOOR PLAN - OR#2
LIGHTING AND POWER DEMO
SCALE: 1/4" = 1'-0"

KEY NOTES

- EXISTING PANEL "12" 100A, 208/ 120V 3P, 4W (CRITICAL). TO REMAIN
- EXISTING CEILING MOUNTED J-BOX FOR EXISTING SURGICAL LIGHT TO BE REMOVED AFTER DISCONNECTING POWER TO ROOM LIGHT FIXTURE.
- EXISTING ROOM LIGHT FIXTURE TO REMAIN.
- EXISTING BRANCH CIRCUIT TO BE DISCONNECTED & REMOVED AS SHOWN.
- EXISTING J-BOX (APPROXIMATE LOCATION) FIELD VERIFY.
- EXISTING SURGICAL LIGHTS TO BE DISCONNECTED AND REMOVED. REMOVE CONDUIT & WIRE ALL THE WAY TO PANEL 12 AND TO EXISTING TWO DIMMER PANEL. SEE PHOTO 1 (DETAIL 2).
- EXISTING TWO DIMMER PANEL TO BE DISCONNECTED AND REMOVED. SEE PHOTO 2 (DETAIL 3).
- EXISTING BRANCH CIRCUITS 12-13 & 12-15 FOR EXISTING SURGICAL LIGHTS TO BE DISCONNECTED & REMOVED ALL THE WAY TO PANEL.
- EXISTING CONDUIT & WIRES TO BE DISCONNECTED & REMOVED.



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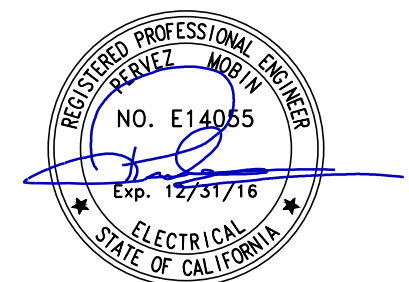


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CONSULTANT:



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REVISIONS:

10/28/2016 QSHPD COMMENTS

AGENCY APPROVAL



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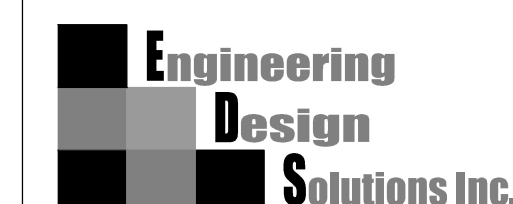
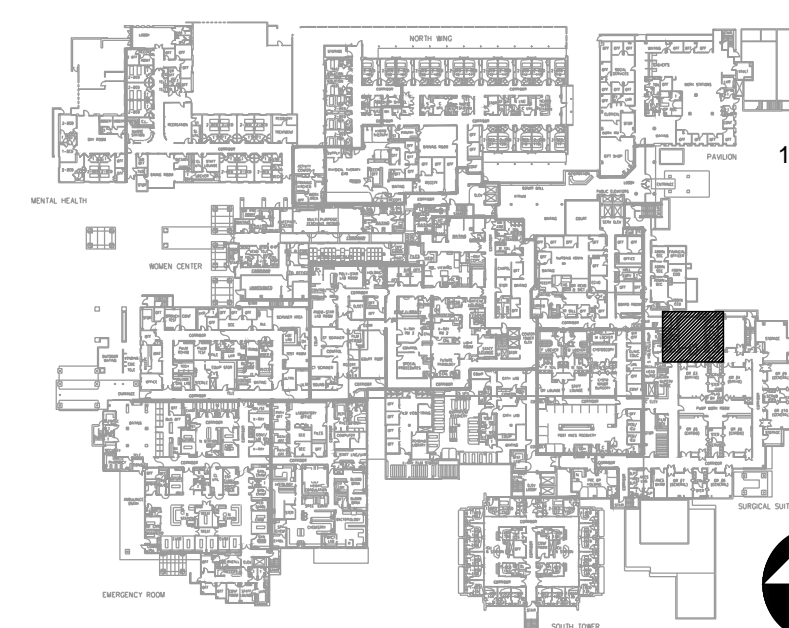
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SHEET NAME:
PARTIAL FIRST FLOOR PLAN -
OR2 LIGHTING DEMO

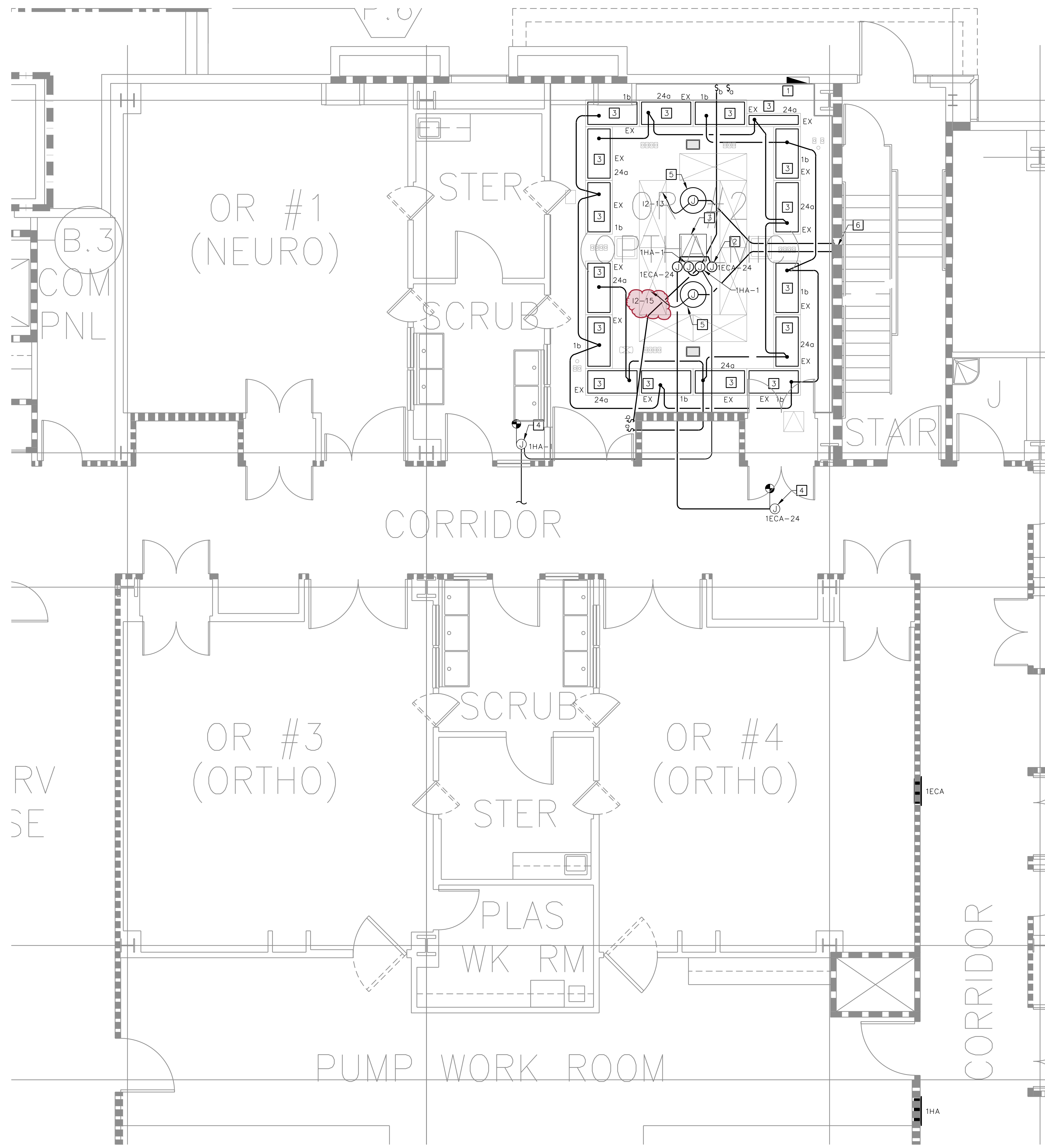
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E-5

KEY PLAN

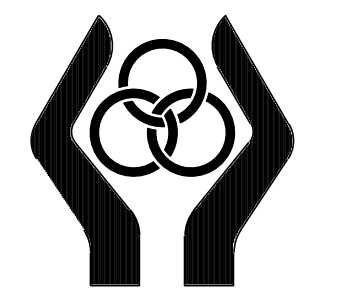


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KEY NOTES

- 1 EXISTING PANEL "12" 100A, 208/ 120V 3P, 4W (CRITICAL). TO REMAIN
- 2 EXISTING CEILING MOUNTED J-BOX FOR EXISTING SURGICAL LIGHT EXISTING ROOM LIGHT FIXTURE TO REMAIN.
- 3 NEW LOCATION OF ACCESS PANEL.
- 4 EXISTING J-BOX (APPROXIMATE LOCATION) FIELD VERIFY.
- 5 NEW SURGICAL LIGHTS
- 6 NEW SURGICAL LIGHTING CONTROLLER. TWO STACKED.



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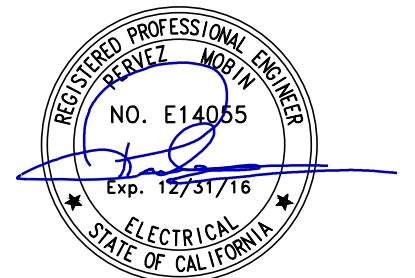


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CONSULTANT:



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REVISIONS:

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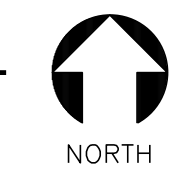
PROJECT # 2016-36

SHEET NAME:
PARTIAL FIRST FLOOR PLAN -
OR2 LIGHTING MODIFIED

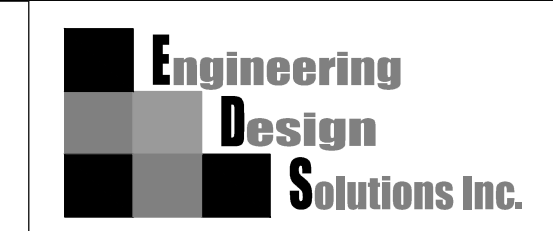
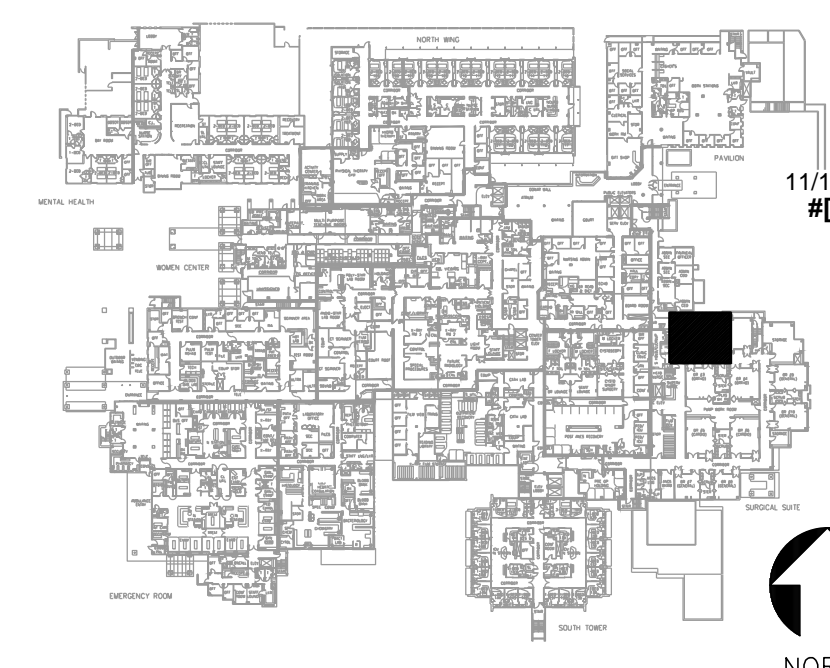
SHEET#

E-6

1 PARTIAL FIRST FLOOR PLAN - OR#2 LIGHTING MODIFIED
SCALE: 1/4" = 1'-0"



KEY PLAN



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