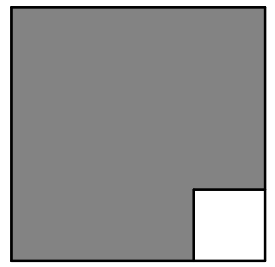


OFFICE IMPROVEMENTS DESCANSO ELEMENTARY

ALPHASTUDIO DESIGN GROUP



6152 INNOVATION WAY
CARLSBAD, 92009
760-431-2444
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ARCHITECT OF RECORD



ENGINEER OF RECORD

SHEET INDEX

SHEET TOTAL: 34

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PROJECT DIRECTORY

CLIENT:
MOUNTAIN EMPIRE UNIFIED
SCHOOL DISTRICT
3291 BUCKMAN SPRINGS RD
PINE VALLEY, CA
91962

ARCHITECT:
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CARLSBAD, CALIFORNIA 92009
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ELECTRICAL:
JOHNSON CONSULTING
ENGINEERS, INC.
12875 BROOKPRINTER PL. STE 300
POWAY, CA 92064
P: 858-679-4030

PROJECT SCOPE

THE SCOPE OF THE PROJECT INCLUDES CONVERSION OF A CLASSROOM INTO THE FRONT OFFICE AT DESCANSO ELEMENTARY SCHOOL. THE DESIGN WILL CONSIST OF INTERIOR IMPROVEMENTS INCLUDING NON-BEARING PARTITIONS, DOORS, FINISHES, CASEWORK, CEILING MODIFICATIONS, ELECTRICAL POWER, LOW VOLTAGE, AND FIRE ALARM, DOOR ACCESS CONTROL, AND HVAC DISTRIBUTION MODIFICATIONS. IN ADDITION TO THE INTERIOR IMPROVEMENTS, SITEWORK WILL INCLUDE THE REPLACEMENT OF THE ACCESSIBLE PEDESTRIAN RAMP AT BUILDING ENTRANCE.

VICINITY MAP



OFFICE IMPROVEMENTS

DESCANSO ELEMENTARY
24842 VIEJAS BLVD
DESCANSO, CA 91916
MOUNTAIN EMPIRE UNIFIED SCHOOL DISTRICT
3291 BUCKMAN SPRINGS RD PINE VALLEY CA 91962

REVISIONS		
MARK	DATE	DESCRIPTION

PROJECT NO: 23-027
MODEL FILE:
23-027 MEUSD Descanso ES_DRAFT_23-06-28.pln

PLOT DATE:
8/17/2023

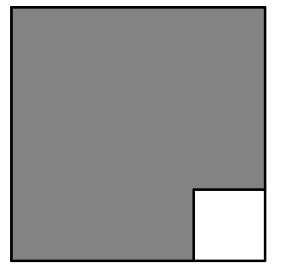
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COVER SHEET

T-001

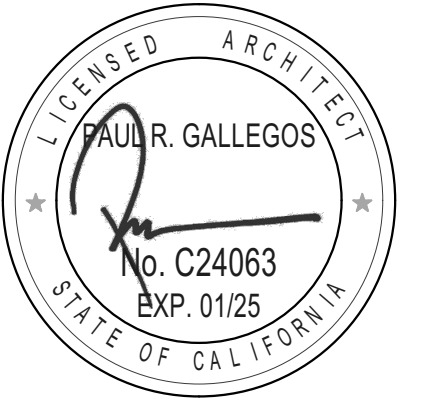
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ARCHITECT OF RECORD



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GENERAL CONSTRUCTION NOTES

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE APPLICABLE CODES LISTED ON THIS SHEET. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BE FAMILIAR WITH ALL CODES AND ORDINANCES, CITY OR STATE AS REQUIRED FOR THE CONSTRUCTION OF THE FOLLOWING PROJECT. WHERE CONFLICTS OCCUR BETWEEN FEDERAL, STATE, AND LOCAL LAWS, CODES, ORDINANCES, AND REGULATIONS, THE MOST STRINGENT SHALL GOVERN.
- ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE REQUIREMENTS OF BOTH THE UNIFORM BUILDING CODE AND TITLE 24, CALIFORNIA CODE OF REGULATIONS.
- THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO THE START OF WORK. THE EXISTING CONDITIONS SHALL INCLUDE, BUT NOT BE LIMITED TO: IRRIGATION, DRAINAGE, SITE MECHANICAL, PLUMBING, AND ELECTRICAL. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES IN SITE CONDITIONS AND CONTRACT DOCUMENTS. FAILURE TO NOTIFY WHILE PROCEEDING WITH WORK SHALL IMPLY ACCEPTANCE OF THE SITE CONDITIONS BY THE CONTRACTOR FOR THE WORK INTENDED.
- THE CONTRACTOR SHALL PROVIDE ADEQUATE AND SAFE BRACING TO SUPPORT THE COMPONENTS OF THE STRUCTURE UNTIL THE STRUCTURE ITSELF, FLOOR AND ROOF DIAPHRAGMS ARE COMPLETE ENOUGH TO SUPPORT ITSELF. THE SAFETY AND ERECTION OF BRACING SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THERE ARE NO DISCREPANCIES BETWEEN THE ARCHITECTURAL DRAWINGS AND THE CONSULTING ENGINEER'S DRAWINGS WHICH WOULD CAUSE A CONFLICT IN THE INSTALLATION OF THE SYSTEMS. IF SUCH A CONFLICT DOES OCCUR, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ALERT THE ARCHITECT TO THE SITUATION PRIOR TO INSTALLATION. ANY WORK INSTALLED IN CONFLICT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REMEDY WITH NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR SHALL REFER TO THE SPECIFICATIONS FOR A COMPLETE LIST OF GENERAL CONDITIONS, SPECIAL CONDITIONS, AND MATERIAL INSTALLATION METHODOLOGY.
- TYPICAL NOTES AND DETAILS SHALL APPLY UNLESS SHOWN OTHERWISE. WHERE A CONSTRUCTION DETAIL IS NOT SHOWN OR NOTED, THE DETAIL SHALL BE THE SAME AS FOR A SIMILAR CONDITION.
- THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING DIMENSIONS, SERVICES, POINTS OF CONNECTION, AND IRRIGATION LINES IN THE CONSTRUCTION AREA PRIOR TO COMMENCEMENT OF WORK. IF PROPER VERIFICATION IS NOT DONE PRIOR TO WORK COMMENCING, AND DAMAGE IS INCURRED THE CONTRACTOR SHALL REPAIR THE DAMAGE AT NO COST TO THE OWNER.
- ALL DRAWINGS ARE FOR ILLUSTRATION ONLY. THE CONTRACTOR AND SUBCONTRACTORS, SHALL NOT LOCATE ITEMS BY SCALING. IF ITEMS ARE MISLOCATED DUE TO SCALING, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND CORRECTLY INSTALLING THE ITEMS AT NO EXPENSE TO THE OWNER.
- IT IS THE INTENT OF THESE DRAWINGS TO INDICATE A COMPLETE AND FINISHED PRODUCT AND / OR ABUTING EXISTING CONDITION IN A FINISHED AND PROFESSIONAL MANNER.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO KEEP THE AREA AROUND THE WORK IN A CLEAN AND SAFE CONDITION. ALL TRASH AND DEBRIS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LAWFUL MANNER. AREA OF WORK SHALL BE COMPLETELY CLEANED AND READY FOR OCCUPANCY UPON COMPLETION OF WORK.
- ALL WORK SHALL CONFORM TO TITLE 24 CA CODE OF REGULATIONS. A COPY OF TITLE 24, PARTS 1-5, SHALL BE AVAILABLE ON THE JOBSITE AT ALL TIMES.
- CHANGES TO THE APPROVED DRAWINGS SHALL BE MADE BY ADDENDA OR CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY DSA, AS REQUIRED BY SEC. 4-338, PART 1, T-24, CCR. ALL ADDENDA AND CONSTRUCTION CHANGE DOCUMENTS SHALL BE SIGNED BY THE ARCHITECT.
- A PROJECT INSPECTOR EMPLOYED BY THE OWNER AND APPROVED BY DSA, ARCHITECT OF RECORD & STRUCTURAL ENGINEER OF RECORD (WHERE APPLICABLE), SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342 PART 1, T-24 CCR. THE INSPECTOR SHALL BE A CLASS 1.
- A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE OWNER SHALL CONDUCT ALL REQUIRED TESTING AND SPECIAL INSPECTIONS FOR THE PROJECT AS IDENTIFIED ON THE DSA 103 TESTING AND INSPECTION FORM.
- THE PROJECT SHALL CONFORM TO CURRENT ADA STANDARDS 2019 CBC CHAPTER 11 B.
- FOOD HANDLING FACILITIES SHALL COMPLY WITH ALL LOCAL HEALTH REQUIREMENTS AND CALIFORNIA UNIFORM RETAIL FOOD FACILITIES LAWS.
- THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OF NONCOMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS, A CCD, OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY THE DIVISION OF STATE ARCHITECT BEFORE PROCEEDING WITH THE WORK.
- THE ARCHITECT AND OR ENGINEER SHALL MAKE PERIODIC SITE VISITS DURING CONSTRUCTION TO OBSERVE THE PROGRESS OF THE WORK AND VERIFY GENERAL CONFORMANCE TO THE PLANS AND SPECIFICATIONS IS BEING MET. THESE VISIT DO NOT CONSTITUTE A GUARANTEE OF THE CONTRACTOR'S WORK. A CONTRACTOR'S ERROR THAT GOES UNDETECTED DURING A PERIODIC VISIT DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY FOR PROPERLY PERFORMING THE SCOPE OF THE PROJECT.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT ADJACENT STRUCTURES, PROPERTY, AND SITE FEATURES DURING CONSTRUCTION. ANY DAMAGE TO SUCH ITEMS SHALL BE PROMPTLY RESTORED TO THE SATISFACTION OF THE OWNER AND ARCHITECT.
- CONTRACTORS AND SUBCONTRACTORS ARE REQUIRED TO SUBMIT THEIR BIDS BASED ON ALL DRAWINGS AND SPECIFICATIONS, NOT SOLELY THE SHEETS OR SECTIONS RELEVANT TO THEIR TRADE.
- THE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO BE COMPLIMENTARY IN NATURE, HOWEVER IF A DISCREPANCY OCCURS BETWEEN THE TWO DOCUMENTS, THE MORE STRINGENT REQUIREMENT AND HIGHEST LEVEL OF QUALITY SHALL TAKE PRECEDENCE.
- ALL DETAILS PROVIDED IN THE CONSTRUCTION DOCUMENTS ARE A PART OF THE CONSTRUCTION SCOPE REGARDLESS OF WHETHER THEY ARE SPECIFICALLY REFERENCED.

GENERAL DEMOLITION NOTES

- DEMOLITION PLANS REFERENCE GENERAL ITEMS AND CONDITION VARIATIONS MAY OCCUR WITHIN AREA OF DEMOLITION AND SHALL BE TREATED AS SIMILAR.
- NOT ALL LOCATIONS FOR DEMOLITION MAY BE NOTED. CONTRACTOR SHALL REVIEW THE PROJECT REQUIREMENTS AND BE FAMILIAR WITH THE EXISTING SITE CONDITIONS FOR EVALUATION OF DEMOLITION WORK NECESSARY TO COMPLETE THE NEW WORK.
- KEY NOTES REFERENCE GENERAL ELEMENTS FOR DISPOSAL OR SALVAGE. VARIOUS ASSOCIATED ITEMS MAY OCCUR AND SHALL BE REMOVED ACCORDING TO THE NEEDS AND DESIGN INTENT OF THE NEW CONSTRUCTION.
- THE CONTRACTOR SHALL NOT REMOVE OR ALTER ANY BUILDING ELEMENTS OR SYSTEMS NECESSARY FOR THE BUILDING'S STRUCTURAL INTEGRITY WITHOUT PRIOR AUTHORIZATION FROM THE ARCHITECT AND/OR STRUCTURAL ENGINEER OF RECORD.
- CONTRACTOR SHALL NOT ALTER OR REMOVE ANY SHEAR WALLS OR BEARING WALLS UNLESS IDENTIFIED ON THE DRAWINGS WITH APPROPRIATE DETAILS. THE CONTRACTOR SHALL TAKE PRECAUTIONS DURING DEMOLITION AND CONSTRUCTION ACTIVITIES TO NOT EFFECT THE EXISTING STRUCTURAL SYSTEM OF THE BUILDING. IF DURING THE COURSE OF THE WORK, ELEMENTS THAT ARE IDENTIFIED TO BE DEMOLISHED, BUT APPEAR STRUCTURAL IN NATURE AND NOT IDENTIFIED AS SUCH, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY. THE CONTRACTOR SHALL NOT PROCEED WITH THE DEMOLITION OF SUCH ELEMENTS WITHOUT THE DIRECTION OF THE ARCHITECT AND/OR STRUCTURAL ENGINEER OF RECORD.
- AFTER THE DEMOLITION AND REMOVAL OF ELEMENTS, REPAIR AND RESTORE EXISTING FINISHES TO BE LEFT EXPOSED TO THEIR ORIGINAL CHARACTER. WHERE EXISTING FINISHES ARE TO BE HIDDEN WITH NEW MATERIALS, THOSE FINISHES SHALL BE RESTORED TO PROVIDE ADEQUATE SUITABILITY, STRENGTH, AND SUBSTRATE FOR NEW CONSTRUCTION AND FINISHES.
- CONTRACTOR SHALL COMPLY WITH THE FOLLOWING SECTIONS OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION:
5-2 PROTECTION
5-3 REMOVAL
5-4 RELOCATION
7-8 PROJECT SITE MAINTENANCE
7-9 PROTECTION AND RESTORATION OF EXIST. IMPROVEMENTS
7-10 PUBLIC CONVENIENCE AND SAFETY
- SAFETY DURING CONSTRUCTION SHALL COMPLY WITH CHAPTER 33 C.B.C. AND CHAPTER 33 C.F.C.
- THE CONTRACTOR SHALL DISPOSE OF DEMOLITION MATERIALS IN A LEGAL AND ACCEPTABLE MANNER.
- CONTRACTOR SHALL MAKE AVAILABLE TO OWNER ANY MATERIALS OR EQUIPMENT LISTED FOR DEMOLITION, DISPOSAL, REMOVAL, ETC. UPON OWNERS REQUEST, OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL SALVAGABLE ITEMS.
- CONTRACTOR SHALL KEEP OPERATING EQUIPMENT OR MATERIALS INDICATED FOR REUSE, RELOCATION, OR OWNER RETENTION IN A SAFE MANNER TO PROTECT THE MATERIAL OR EQUIPMENT FROM DAMAGE.
- THE CONTRACTOR IS RESPONSIBLE TO PERFORM ALL DEMOLITION WORK NECESSARY TO ALLOW EXECUTION OF ALL REQUIREMENTS OF THE NEW CONSTRUCTION UNDER THIS CONTRACT. CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY ALL EXISTING CONDITIONS.
- THE RECORD DRAWINGS FOR THE FACILITIES TO BE MODERNIZED MAY BE AVAILABLE FROM THE DISTRICT FOR REFERENCE. CONTRACTOR SHALL REQUEST DRAWINGS OR OTHER OWNER SUPPLIED DOCUMENTS PRIOR TO BEGINNING DEMOLITION OR CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL REVIEW THE RECORD DOCUMENTS TO DETERMINE ANY CONDITIONS WHERE CONFLICTS, HARDSHIPS, OR SIMILAR ISSUES MAY ARISE. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY CONDITIONS WHERE CONFLICTS MAY ARISE PRIOR TO DEMOLITION OR CONSTRUCTION ACTIVITIES.
- AREA OF FLOOR SLAB OR PAVING DEMOLITION IS SHOWN AS AN APPROXIMATION ONLY TO DEFINE GENERAL SCOPE OF WORK. EXISTING CONDITIONS MAY REQUIRE A LARGER / DIFFERENTLY CONFIGURED AREA OF DEMOLITION. REMOVAL SHALL BE IN ACCORDANCE TO THE NEEDS AND DESIGN INTENT OF THE NEW CONSTRUCTION. COORDINATE DEMOLITION REQUIREMENTS WITH CIVIL, STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DESIGN AND DRAWINGS.
- ALL FLOOR SLAB AND/OR PAVING SAWCUTS SHALL BE DONE IN A MANNER THAT CREATES A SHARP, STRAIGHT, AND SQUARE EDGE. SAW CUT EDGES EXPOSED FOR LONG DURATIONS DURING CONSTRUCTION SHALL BE PROTECTED BY THE CONTRACTOR IN ORDER TO LIMIT CHIPPING OF CONCRETE EDGE. IF CHIPPING OR OTHER DAMAGE OCCURS, CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND REPLACING ADDITIONAL FLOOR SLAB AND/OR PAVING TO NEXT AVAILABLE JOINT OR AS DETERMINED BY ARCHITECT AT THE CONTRACTOR'S OWN COST.
- WHERE EQUIPMENT AND/OR FIXTURES ARE INDICATED TO BE REMOVED ALL RELATED EXPOSED PIPING, CONDUITS, AND ASSOCIATED ITEMS SHALL ALSO BE REMOVED AND/OR PROPERLY TERMINATED TO PROVIDE COMPLETE DEMOLITION.
- WHERE EXISTING CONSTRUCTION ELEMENTS (FRAMING, FINISHES, PIPES, CONDUITS, DUCTWORK, EQUIPMENT, ETC.) INTERFERE WITH THE INTENDED NEW CONSTRUCTION OR WOULD BE EXPOSED IN OTHERWISE 'FINISHED' AREAS, THESE ITEMS SHALL ALSO BE REMOVED AND/OR RELOCATED.
- AT DEMOLITION OF DOORS, WINDOWS, FLASHINGS, SOFFITS, ETC. WHERE PLASTER IS DISTURBED AT FINISHES TO REMAIN, REMOVE PLASTER BACK 6" MINIMUM TO EXPOSE LATH TO PERFORM PROPER PLASTER PATCH.
- REFER TO STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR ALL DEMOLITION WORK SPECIFIC TO THOSE BUILDING SYSTEMS.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO REQUEST ANY HAZARDOUS ABATEMENT DOCUMENTS FOR THE SCOPE OF WORK TO FULLY UNDERSTAND THE EXTENT OF REMOVAL AND DISPOSAL REQUIREMENTS FOR THOSE MATERIALS.
- ALL ABATEMENT WORK SHALL BE COMPLETED BY THE CONTRACTOR PRIOR TO DEMOLITION WORK.

GENERAL ACCESSIBILITY NOTES

- EXIT DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE. HAND-ACTIVATED DOOR OPENING HARDWARE SHALL BE CENTERED BETWEEN 36" TO 42" ABOVE THE FLOOR. (PANIC HARDWARE SHALL BE BETWEEN 36" TO 44" ABOVE FIN. FLR.). LATCHING AND LOCKING DOORS THAT ARE HAND ACTIVATED AND IN A PATH OF TRAVEL, SHALL BE OPENABLE WITH A SINGLE EFFORT BY LEVER-TYPE HARDWARE, BY EXIT DEVICE, OR PUSH-PULL ACTIVATING BARS. LOCKED EXIT DOORS SHALL OPERATE BY ABOVE IN DIRECTON OF EGRESS.
- MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED 5.0 POUNDS FOR EXTERIOR AND INTERIOR DOORS. SUCH PUSH OR PULL EFFORT BEING APPLIED AT RIGHT ANGLES TO HINGED DOORS AND AT THE CENTER PLANE OF SLIDING OR FOLDING DOORS.
- DOOR CLOSERS AND GATES CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO A POSITION OF 12 DEGREES FROM THE LATCH IS 5 SECONDS MINIMUM.
- THE FLOOR OR LANDING SHALL NOT BE MORE THAN 1/2 INCH LOWER THAN THE THRESHOLD OF THE DOORWAY. CHANGE IN LEVEL BETWEEN 1/4 AND 1/2 INCH SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1 UNIT VERTICAL TO 2 UNITS HORIZONTAL.
- ACCESSIBLE FIXTURES SHALL BE INSTALLED IN STRICT ACCORDANCE WITH CALIFORNIA PLUMBING CODE, 2019 EDITION.
- EXPOSED LAVATORY P-TRAP ASSEMBLIES AND WATER SUPPLY LINES SHALL BE INSTALLED WITH REMANUFACTURED VINYL COVERED P-TRAP, VALVE, AND SUPPLY INSULATED COVER.
- THE FORCE REQUIRED TO OPERATE LAVATORY OR SINK FAUCETS SHALL BE NO GREATER THAN 5 POUNDS. SELF-CLOSING FAUCETS SHALL HAVE A MINIMUM 10 SECOND CYCLE TIME.
- ALL ACCESSIBLE GATES WITHIN THE PATH OF TRAVEL SHALL HAVE NON-GRIP HARDWARE MOUNTED BETWEEN 34" TO 44" ABOVE FINISH PAVING. THERE SHALL BE 24" MINIMUM CLEAR SPACE PROVIDED AT THE STRIKE SIDE OF THE GATE FOR ACCESSIBLE MANEUVERING CLEARANCES.
- ALL DIMENSIONS FOR ACCESSIBLE COMPONENTS, FEATURES, OR CLEAR FLOOR SPACE ARE TO FACE OF FINISH UNLESS OTHERWISE NOTED.
- WHERE FLOOR DRAINS ARE PROVIDED, FINISHED SURFACE SHALL SLOPE TO DRAIN NO MORE THAN 2% IN ANY DIRECTION. FLOOR DRAINS AND FLOOR SINKS SHALL HAVE 1/2" MAXIMUM GRATE OPENINGS IN ALL DIRECTION.
- ACCESSIBLE PATH OF TRAVEL (POT) SHALL BE A BARRIER FREE ACCESS ROUTE WITHOUT ANY ABRUPT LEVEL CHANGES EXCEEDING 1/2" BEVELED 1:2 MAX SLOPE OR VERTICAL LEVEL CHANGES NOT EXCEEDING 1/4" MAX. POT SHALL BE AT LEAST 48" IN WIDTH WITH A STABLE, FIRM, AND SLIP RESISTANT SURFACE. CROSS SLOPE SHALL NOT EXCEED 2% MAX AND THE SLOPE IN THE DIRECTION OF TRAVEL SHALL NOT EXCEED 5%. POT SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM ABOVE FINISHED SURFACE AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM THE WALL AND 27" ABOVE FINISHED SURFACE, BUT LESS THAN 80" ABOVE FINISHED SURFACE. REFERENCE CBC 11B-202.4.
- OPENINGS IN GRATINGS OR STRAINERS LOCATED IN THE PEDESTRIAN CIRCULATION PATH OR PATH OF TRAVEL SHALL NOT ALLOW PASSAGE OF A SPHERE MORE THAN 1/2" DIAMETER. ELONGATED OPENINGS SHALL BE PLACED SO THAT THE LONG DIMENSION IS PERPENDICULAR TO THE DOMINANT DIRECTION OF TRAVEL IN COMPLIANCE WITH CBC 11B-302.
- GATES IN THE PATH OF TRAVEL SHALL COMPLY WITH EXIT DOOR REQUIREMENTS.

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT

THE PATH OF TRAVEL (POT) IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS, AND STRUCTURAL REPAIRS AS PART OF THE DESIGN OF THIS PROJECT. THE POT WAS EXAMINED AND ANY ELEMENTS, COMPONENTS, OR PORTIONS OF THE POT THAT WERE DETERMINED TO BE NONCOMPLIANT HAVE BEEN IDENTIFIED AND, THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT THROUGH DETAILS, DRAWINGS, AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS.

ANY NONCOMPLIANT ELEMENTS, COMPONENTS, OR PORTIONS OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE INDICATED IN THESE CONSTRUCTION DOCUMENTS. DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS COMPLIANT ARE FOUND TO BE NON-COMFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE BY MEANS OF A CONSTRUCTION CHANGE CHANGE DOCUMENT (CCD).

LIST OF APPLICABLE CODES

- 2022 CALIFORNIA ADMINISTRATIVE CODE (C.A.C.), PART 1, TITLE 24, C.C.R.
- 2022 CALIFORNIA BUILDING CODE (C.B.C.) PART 2, TITLE 24, C.C.R.
- 2022 CALIFORNIA ELECTRIC CODE (C.E.C.), PART 3, TITLE 24, C.C.R.
- 2022 CALIFORNIA MECHANICAL CODE (C.M.C.) PART 4, TITLE 24, C.C.R.
- 2022 CALIFORNIA PLUMBING CODE (C.P.C.), PART 5, TITLE 24, C.C.R.
- 2022 CALIFORNIA ENERGY CODE, PART 6, TITLE 24, C.C.R.
- 2022 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24, C.C.R.
- 2022 CALIFORNIA EXISTING GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11, TITLE 24, C.C.R.
- 2022 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24, C.C.R.
- TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS

REVISIONS		
MARK	DATE	DESCRIPTION

PROJECT NO: 23-027
MODEL FILE:
23-027 MEUSD Descanso ES_DRAFT_23-06-28.pln

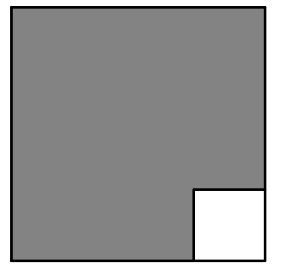
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SHEET TITLE

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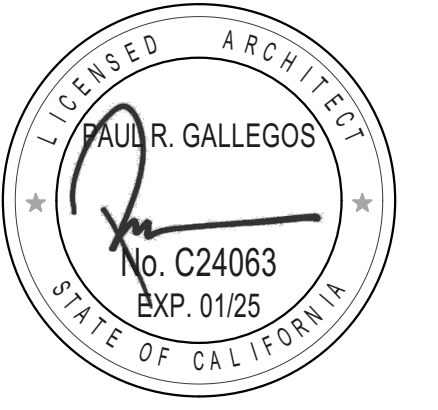
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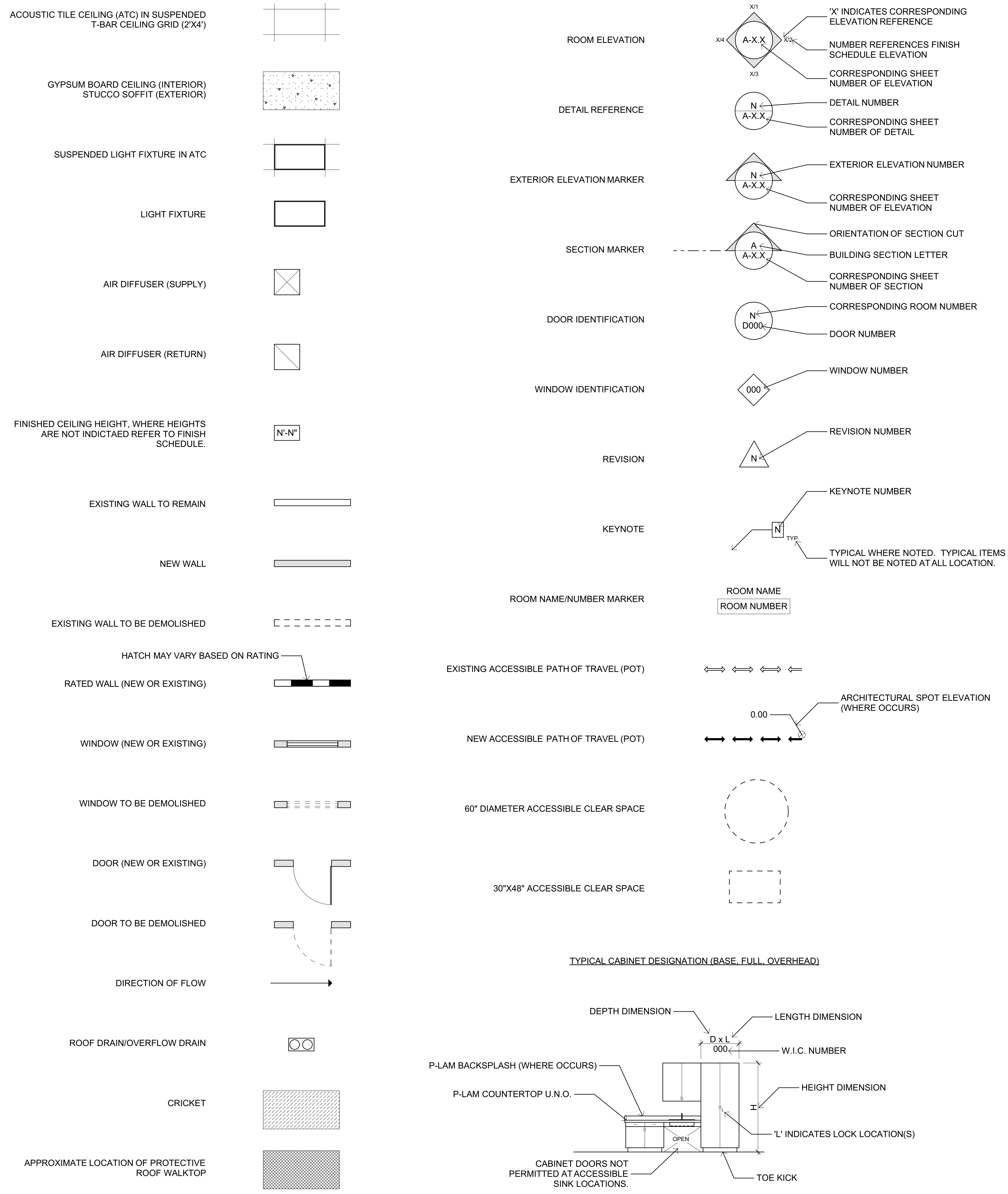


ENGINEER OF RECORD

STANDARD ABBREVIATIONS

&	AND	GA.	GAUGE	STD.	STANDARD
<	ANGLE	GALV.	GALVANIZED	STL.	STEEL
@	AT	GB.	GRAB BAR	ST.	STEEL
A	AMP	GC.	GENERAL CONTRACTOR	STO.	STORAGE
AB.	ANCHOR BOLT	GL.	GLASS	STRUC.	STRUCTURAL
ABV.	ABOVE	GI.	GALVANIZED IRON	STR.	STRUCTURAL
AC.	ASPHALT	GND.	GROUND	SUSP.	SUSPENDED
A/C.	AIR CONDITIONING	GPDW.	GYPSUM DRYWALL	SYM.	SYMMETRICAL
ACOUS.	ACOUSTICAL	GRD.	GRADE	T	TREAD
AD.	AREA DRAIN	GV.	GATE VALVE	TB.	TOWEL BAR
ADJ.	ADJUSTABLE	GYP.	GYPSUM	T&B	TOP AND BOTTOM
AGGR.	AGGREGATE	HB.	HOSE BIB	TOC	TOP OF CURB
AFF.	ABOVE FINISH FLOOR	HC.	HOLLOW CORE	TEL.	TELEPHONE
AL.	ALUMINUM	HD.	HEADER	TEM.	TEMPERED
AP.	ACCESS PANEL	HDR.	HEADER	TER.	TERAZZO
APPROX.	APPROXIMATE	HDW.	HARDWARE	TF.	TOP OF FOOTING
ARCH.	ARCHITECTURAL	HM.	HOLLOW METAL	T&G	TONGUE AND GROOVE
ASC.	ABOVE SUSPENDED CEILING	HW.	HARDWARE	THK.	THICK
AS.	AUTOMATIC SPRINKLER	HDWD.	HANDRAIL	TP.	TOP OF PARAPET
AUTO.	AUTOMATIC	HORIZ.	HORIZONTAL	TPD.	TOILET PAPER DISPENSER
BD.	BOARD	HVAC.	HEATING, VENTILATING, AIR CONDITIONING	TS	TOP OF STRUCTURE
BFG.	BELOW FINISH GRADE	ID.	INSIDE DIAMETER	TTB.	TELEPHONE TERMINAL BACKBOARD
BITUM.	BITUMINOUS	IE.	INVERT ELEVATION	TV.	TELEVISION
BLDG.	BUILDING	IF.	INSIDE FACE	TOW.	TOP OF WALL
BLK.	BLOCK	IN.	INCH	TYP.	TYPICAL
BM.	BEAM	INC.	INCLUDE	UG.	UNDERGROUND
BRG.	BEARING	INFO.	INFORMATION	UNF.	UNFINISHED
BRK.	BRICK	INSUL.	INSULATION	UNO	UNLESS NOTED OTHERWISE
BOT.	BOTTOM	INT.	INTERIOR	UNO	UNLESS OTHERWISE NOTED
BTU.	BRITISH THERMAL UNIT	INV.	INVERT	UR	URINAL
C.	CONDUIT	JAN.	JANITOR	UTIL.	UTILITY
CAB.	CABINET	JST.	JOIST	VAR.	VARIES
CB.	CATCH BASIN	JT.	JOINT	VB.	VAPOR BARRIER
CD.	CEILING DIFFUSER	KIT.	KITCHEN	VCT.	VINYL COMPOSITION TILE
CEM.	CEMENT	KP.	KICK PLATE	VERT.	VERTICAL
CER.	CERAMIC	KVA	KILOVOLT AMPERES	VEST.	VESTIBULE
CF.	CUBIC FEET	KW	KILOWATT	VIF.	VERIFY IN FIELD
CFM.	CUBIC FEET PER MINUTE	MAS.	MASONRY	VTR.	VENT THROUGH ROOF
CG.	CORNER GUARD	MATL.	MATERIAL	W	WEST
CI.	CAST IRON	MAX.	MAXIMUM	W/	WITH
CIP.	CAST IN PLACE	MC.	MEDICINE CABINET	WC.	WATER CLOSET
CKT. BKR.	CIRCUIT BREAKER	MECH.	MECHANICAL	WCO.	WALL CLEAN OUT
CL.	CENTERLINE	MFR.	MANUFACTURER	WD.	WOOD
CLG.	CEILING	MH.	MANHOLE	WDW.	WINDOW
CLR.	CLEAR	MIN.	MINIMUM	WH.	WATER HEATER
CMU.	CONCRETE MASONRY UNIT	MIR.	MIRROR	W/O	WITHOUT
CNTR.	COUNTER	MISC.	MISCELLANEOUS	WP.	WATERPROOF
CO.	CLEANOUT	MO.	MASONRY OPENING	WSCOT.	WAINSCOT
COTG.	CLEANOUT TO GRADE	MTD.	MOUNTED	WT.	WEIGHT
COL.	COLUMN	MTL.	METAL	WWF.	WELDED WIRE FABRIC
CONC.	CONCRETE	MUL.	MULLION	WWW.	WELDED WIRE MESH
CONN.	CONNECTION	N.	NORTH		
CPT.	CARPET	NIC.	NOT IN CONTRACT		
CTR.	CENTER	NO.	NUMBER		
CTSK.	COUNTERSINK	NOM.	NOMINAL		
CW.	COLD WATER	NTS.	NOT TO SCALE		
D.	DRAIN	OA.	OUTSIDE AIR		
DBL.	DOUBLE	O/A	OVERALL		
DEPT.	DEPARTMENT	OBS.	OBSOLETE		
DET.	DETAIL	OC.	ON CENTER		
DF.	DINKING FOUNTAIN	OD.	OUTSIDE DIAMETER		
DIA.	DIAMETER	OFF.	OFFICE		
DIM.	DIMENSION	OH.	OPPOSITE HAND		
DISP.	DISPENSER	OPNG.	OPENING		
DMT.	DEMOUNTABLE	OP.	OPPOSED		
DN.	DOWN	OVHD.	OVERHEAD		
DO.	DOOR OPENING	PAV.	PAVING		
DR.	DRAIN	PC.	PRECAST CONCRETE		
DS.	DOWNSPOUT	PCC.	PORTLAND CEMENT CONCRETE		
DWG.	DRAWING	PHP.	PARTIAL HEIGHT PARTITION		
DWR.	DRAWER	PLT.	PLATE		
EXIST.	EXISTING	PL	PROPERTY LINE		
E.	EAST	PLAM	PLASTIC LAMINATE		
EA.	EACH	PLAS.	PLASTER		
EF.	EXHAUST FAN	PLYWD.	PLYWOOD		
EJ.	EXPANSION JOINT	PLBGS.	PLUMBING		
ELEC.	ELECTRICAL	POC.	POINT OF CONNECTION		
ELEV.	ELEVATOR	PP.	POWER POLE		
EMER.	EMERGENCY	PRCST.	PRE-CAST		
ENCL.	ENCLOSURE	PSI.	POUNDS PER SQUARE INCH		
EP.	ELECTRICAL PANELBOARD	PT.	POINT		
EQ.	EQUAL	PTD.	PAPER TOWEL DISPENSER		
EQUIP.	EQUIPMENT	PTN.	PARTITION		
EW.	EACH WAY	PVMT.	PAVEMENT		
EW.C.	ELECTRIC WATER COOLER	QT.	QUARRY TILE		
EX.	EXHAUST	R.	RISER		
EXIST.	EXISTING	RAD.	RADIUS		
EXPO.	EXPOSED	RD.	ROOF DRAIN		
EXP.	EXPANSION	REF.	REFERENCE		
EXT.	EXTERIOR	REFR.	REFRIGERATOR		
FAS.	FASTNER	REINF.	REINFORCED		
FA.	FIRE ALARM	REQ'D.	REQUIRED		
FB.	FACE BRICK	REV.	REVISION		
FCO.	FLOOR CLEANOUT	RESIL.	RESILIENT		
FD.	FLOOR DRAIN	RM.	ROOM		
FDN.	FOUNDATION	RO.	ROUGH OPENING		
FE.	FIRE EXTINGUISHER	RDWD.	REDWOOD		
FEC.	FIRE EXTINGUISHER CABINET	S.	SOUTH		
FF.	FINISH FLOOR	SC.	SOLID CORE		
FG.	FINISH GRADE	SCHED.	SCHEDULE		
FH.	FIRE HYDRANT	SD.	SOAP DISPENSER		
FHC.	FIRE HOUSE CABINET	SECT.	SECTION		
FIN.	FINISH	SF.	SQUARE FOOT		
FL.	FLOOR	SH.	SHELF		
FLR.	FLOOR	SHR.	SHOWER		
FLOUR.	FLOUR	SHT.	SHEET		
FOC.	FACE OF CONCRETE	SIM.	SIMILAR		
FOF.	FACE OF FINISH	SMH.	SEWER MANHOLE		
FOM.	FACE OF MASONRY	SND.	SANITARY NAPKIN DISPENSER		
FOS.	FACE OF STUD	SOV.	SHUT OFF VALVE		
FPRF.	FIREPROOFING	SPEC.	SPECIFICATIONS		
FS.	FINISH SURFACE	SPKR.	SPRINKLER		
FT.	FOOT	SQ.	SQUARE		
FTG.	FOOTING	SS.	STAINLESS STEEL		
FUT.	FUTURE	STA.	STATION		

TYPICAL SYMBOLS



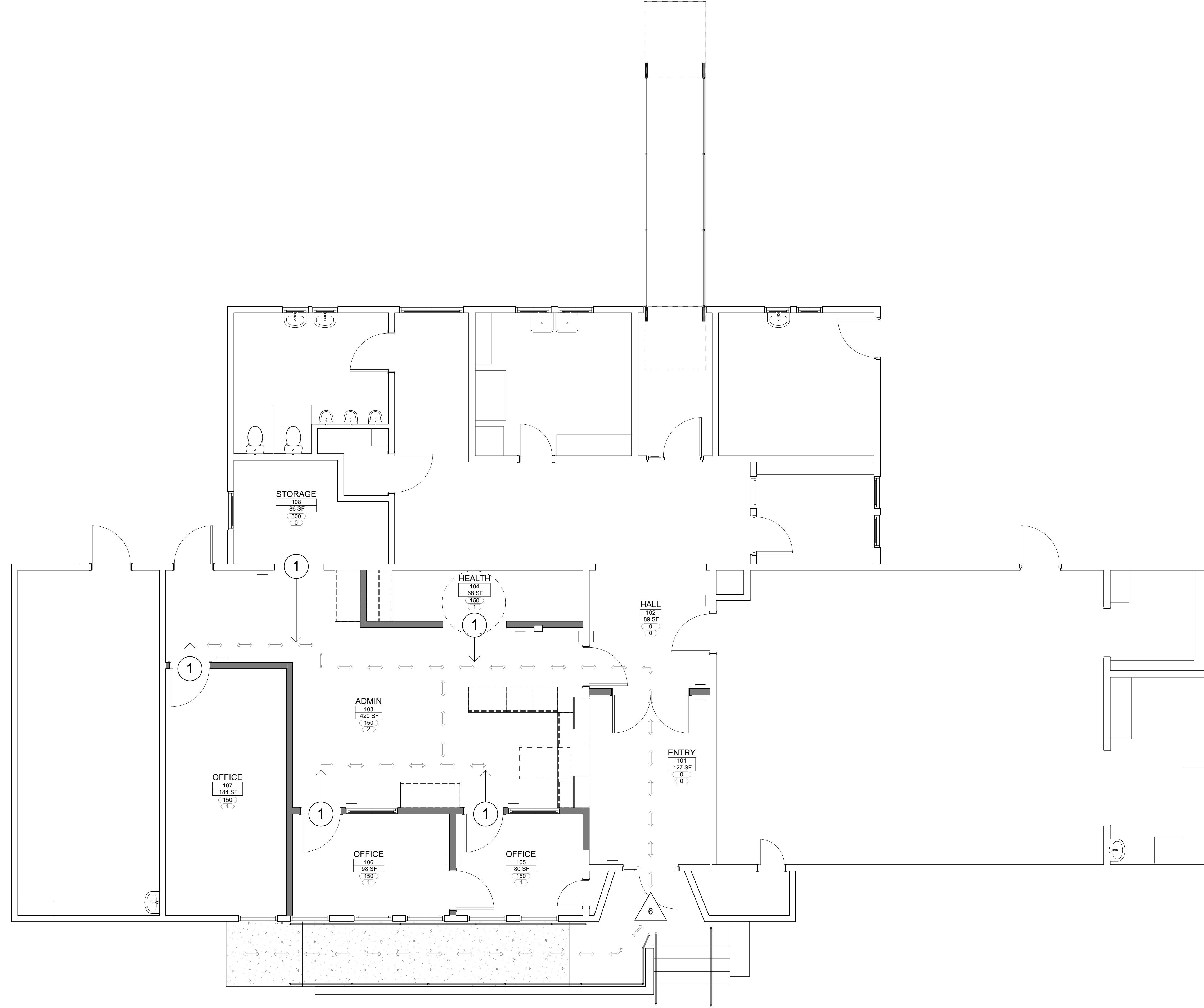
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ABBREVIATIONS AND TYPICAL SYMBOLS

T-003



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

KEYNOTES

EXIT ANALYSIS				
Zone Number	Zone Name	Measured Net Area	Occupant Load Factor	Occupants
101	ENTRY	126.83	0	0
102	HALL	88.51	0	0
103	ADMIN	420.34	150	2
104	HEALTH	68.09	150	1
105	OFFICE	79.79	150	1
106	OFFICE	98.41	150	1
107	OFFICE	184.46	150	1
108	STORAGE	86.20	300	0
				6

2 EXIT ANALYSIS
SCALE: 1" = 1'-0"

* OCCUPANT LOADING PER 2022 CBC TABLE 1004.5

CODE ANALYSIS

BUILDING 'A'

BUILDING TYPE: ADMINISTRATION / CLASSROOM
 OCCUPANCY GROUP: B / E
 NONSEPARATED OCCUPANCIES CBC (B OCCUP. GROUP MOST RESTRICTIVE)
 506.2
 CONSTRUCTION TYPE: V-4B
 STORIES: 1
 FIRE SPRINKLERS: NO
 ALLOWABLE AREA: NONSEPARATED OCCUPANCIES PER CBC 508.3.2 BASED ON B OCCUP. GROUP

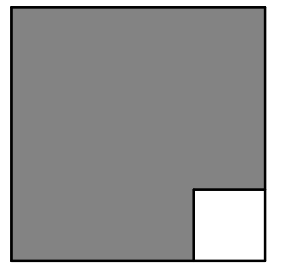
PER TABLE 506.2
 B OCCUPANCY, NS = 9,000 SF

ACTUAL AREA:
 ADMINISTRATION: 1,516 SF
 B OCCUPANCY
 CLASSROOM: 2,030 SF
 E OCCUPANCY
TOTAL: 3,546 SF
 3,546 SF < 9,000 SF - OK

EXITING LEGEND

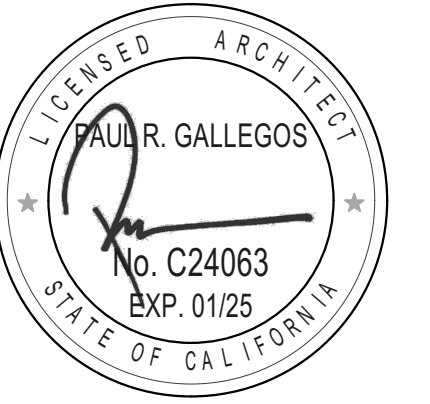
- PATH OF EGRESS
- ① CUMMULATIVE OCCUPANT LOAD AT DOOR
- ① → SINGLE ROOM OCCUPANT LOAD AT DOOR
- SF SQUARE FOOTAGE OF ROOM
- OLF OCCUPANT LOAD FACTOR OF ROOM (2019 CBC TABLE 1004.1.2)
- OL OCCUPANT LOAD OF ROOM

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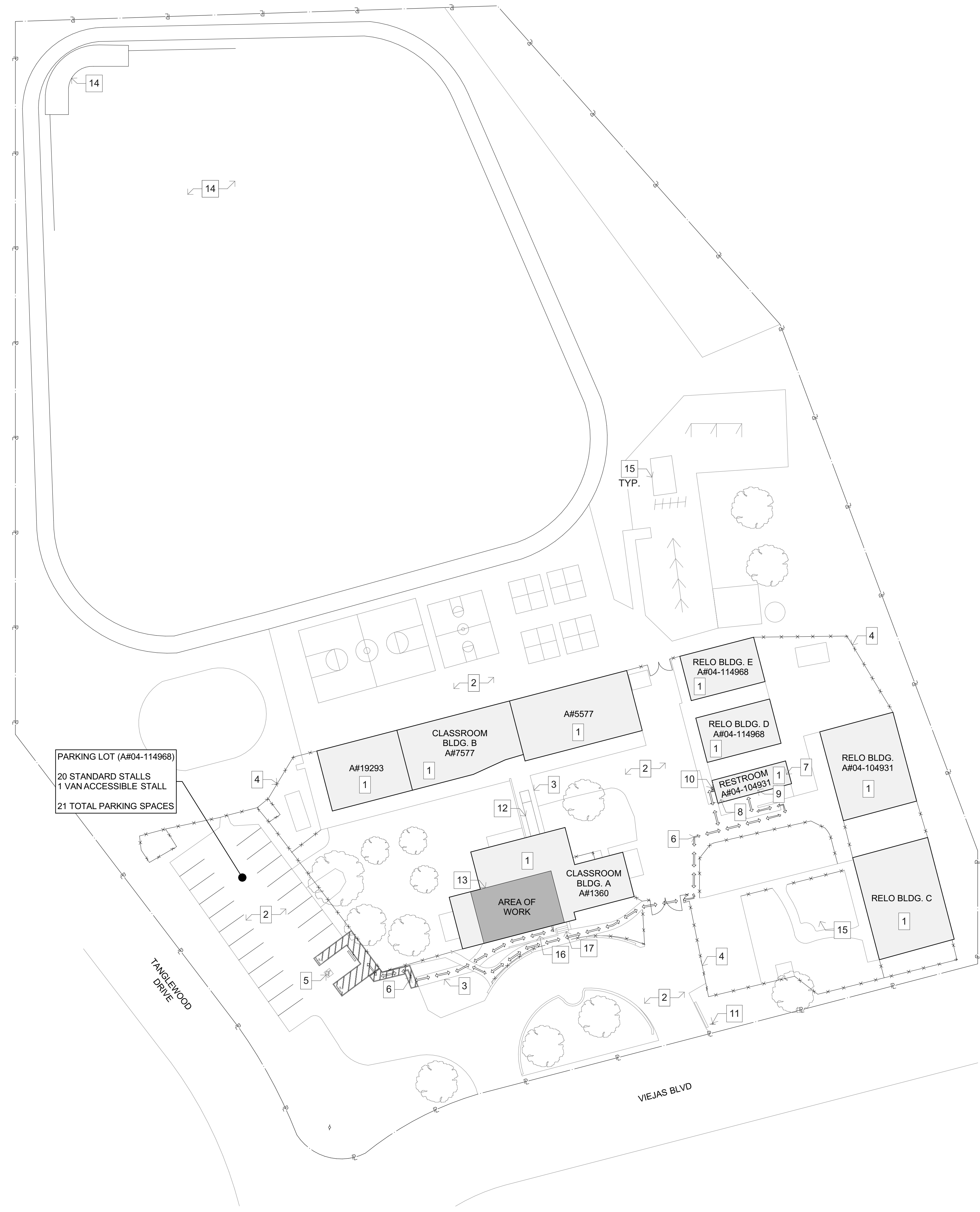
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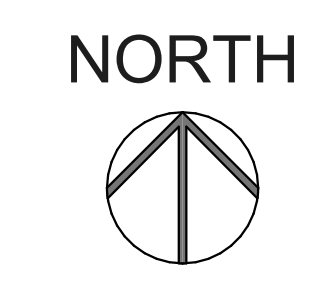
SHEET TITLE

CODE ANALYSIS

T-004



PARKING LOT (A#04-114968)
 20 STANDARD STALLS
 1 VAN ACCESSIBLE STALL
 21 TOTAL PARKING SPACES

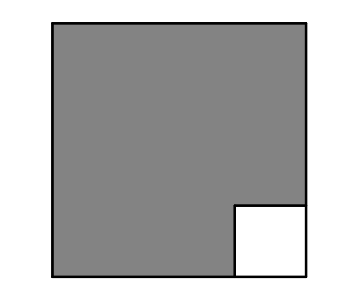


1 OVERALL SITE PLAN
 SCALE: 1" = 30'

KEYNOTES

1. EXISTING BUILDING TO REMAIN - NO WORK.
2. EXISTING ASPHALT PAVING.
3. EXISTING CONCRETE WALKWAY.
4. EXISTING CHAINLINK FENCING.
5. EXISTING VAN ACCESSIBLE PARKING PER A#04-114968. SEE ENLARGED PARKING PLAN SHEET A-102.
6. PATH OF TRAVEL.
7. EXISTING ACCESSIBLE MEN'S AND WOMEN'S RESTROOMS PER A#04-104931.
8. EXISTING ACCESSIBLE BOY'S RESTROOM PER A#04-104931.
9. EXISTING ACCESSIBLE GIRL'S RESTROOM PER A#04-104931.
10. EXISTING ACCESSIBLE DRINKING FOUNTAIN PER A#04-114968.
11. EXISTING ACCESSIBLE TOW AWAY SIGN PER A#04-114968.
12. EXISTING ACCESSIBLE PEDESTRIAN RAMP PER A#04-120328.
13. AREA OF INTERIOR REMODEL.
14. EXISTING BASEBALL FIELD & BACKSTOP. NO KNOWN A#.
15. EXISTING PLAY EQUIPMENT. NO KNOWN A#.
16. EXISTING RAMP TO BE REMOVED AND RECONSTRUCTED. REFER TO DEMOLITION AND NEW WORK FLOOR PLANS.
17. EXISTING STAIR PER A#1360. REFER TO NEW WORK FLOOR PLAN FOR MODIFICATIONS.

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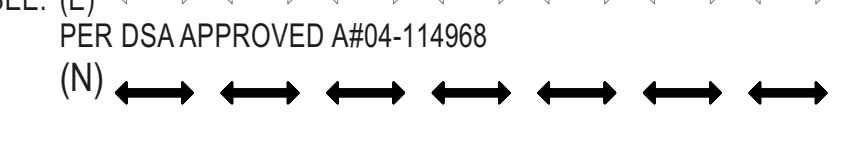
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SITE ACCESSIBILITY NOTES

1. DASHED LINE INDICATES ACCESSIBLE PATH OF TRAVEL WHICH SHALL BE A BARRIER FREE ACCESS ROUTE WITHOUT ANY ABRUPT LEVEL CHANGES EXCEEDING 1/2" BEVELED AT 1:2 MAX SLOPE OR VERTICAL LEVEL CHANGES NOT EXCEEDING 1/4" MAX AND AT LEAST 48" IN WIDTH. SURFACE IS STABLE, FIRM, AND SLIP RESISTANT. CROSS SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5% UNLESS OTHERWISE INDICATED. ACCESSIBLE PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM THE WALL AND ABOVE 27" AND LESS THAN 80" PER CBC 11B-202.4. SEE: (E)



2. DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT: THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS, AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE POT WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WERE DETERMINED TO BE NONCOMPLIANT: 1) HAVE BEEN IDENTIFIED AND, 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS.

ANY NONCOMPLIANT ELEMENT, COMPONENTS OR PORTIONS OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS. DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NONCOMFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

3. FOR ALL GRATINGS LOCATED IN THE SURFACE OF ANY PEDESTRIAN WAY IN THE PATH OF TRAVEL, THE GRID/OPENINGS IN THE GRATINGS SHALL BE LIMITED TO 1/2" MAXIMUM IN THE DIRECTION OF TRAFFIC FLOW.
4. GATES AT THE PATH OF TRAVEL SHALL COMPLY WITH EXIT DOOR REQUIREMENTS.
5. MANUAL CANE BOLTS, MANUALLY LOCKING HARDWARE, CHAINS, ETC. ARE NOT ALLOWED ON GATES WITH PANIC HARDWARE.

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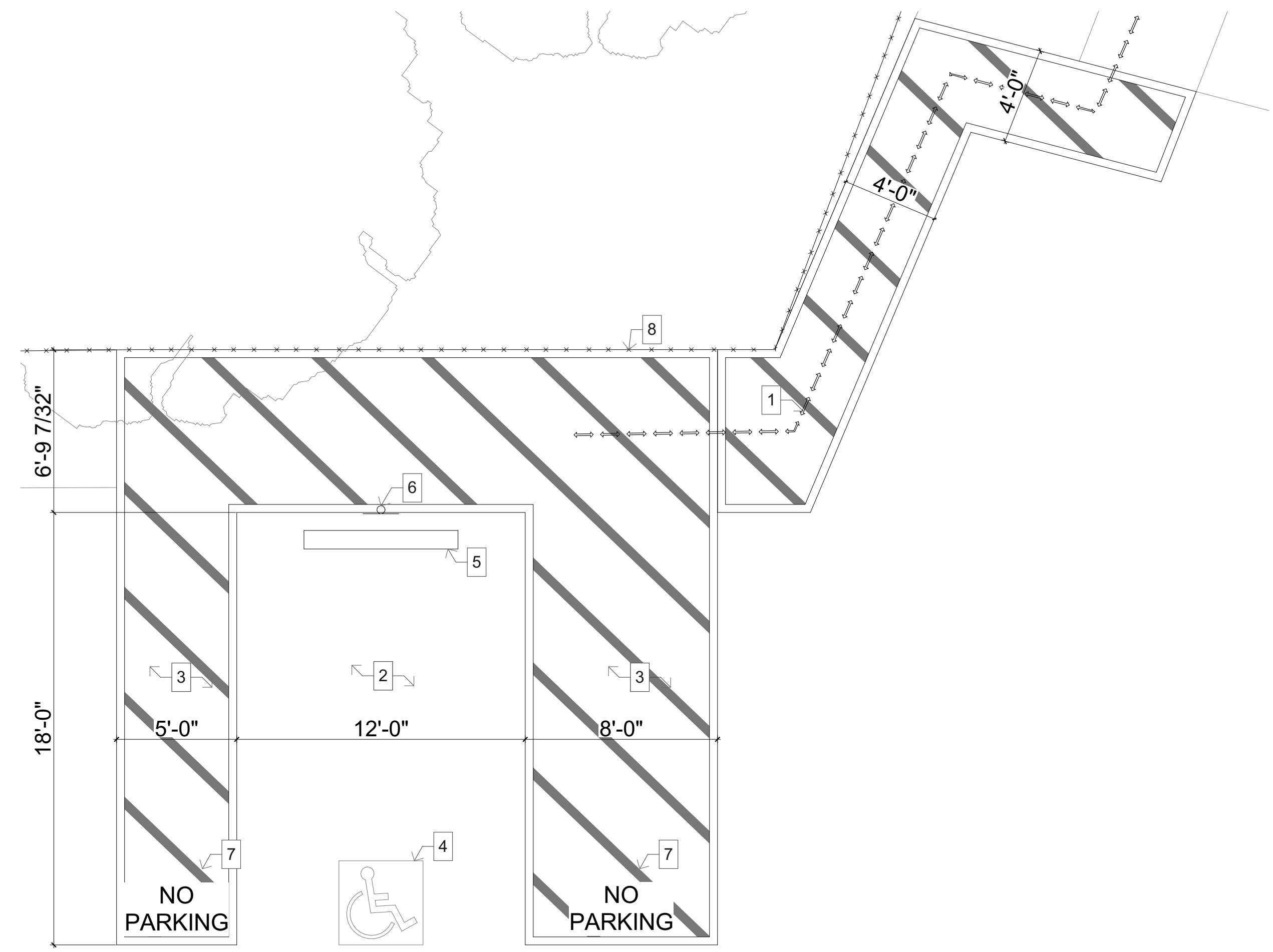
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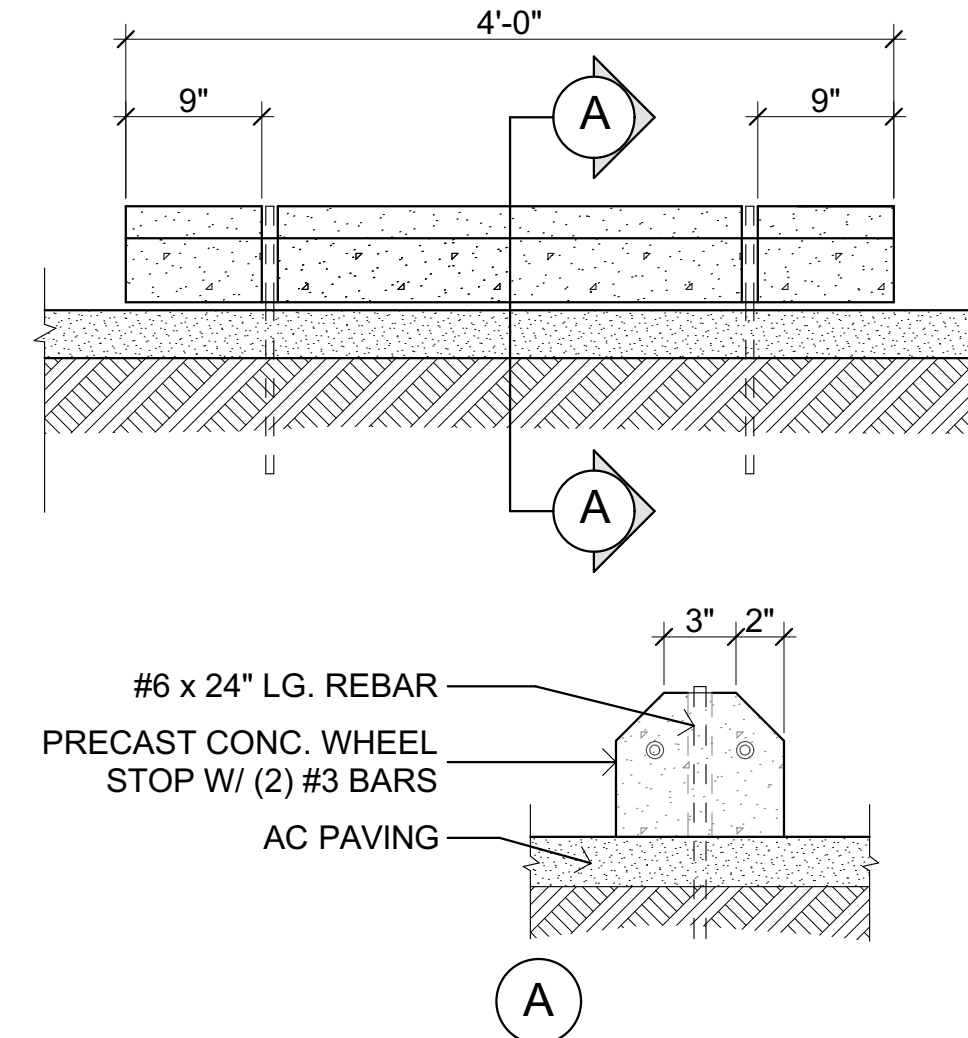
OVERALL SITE PLAN

A-101

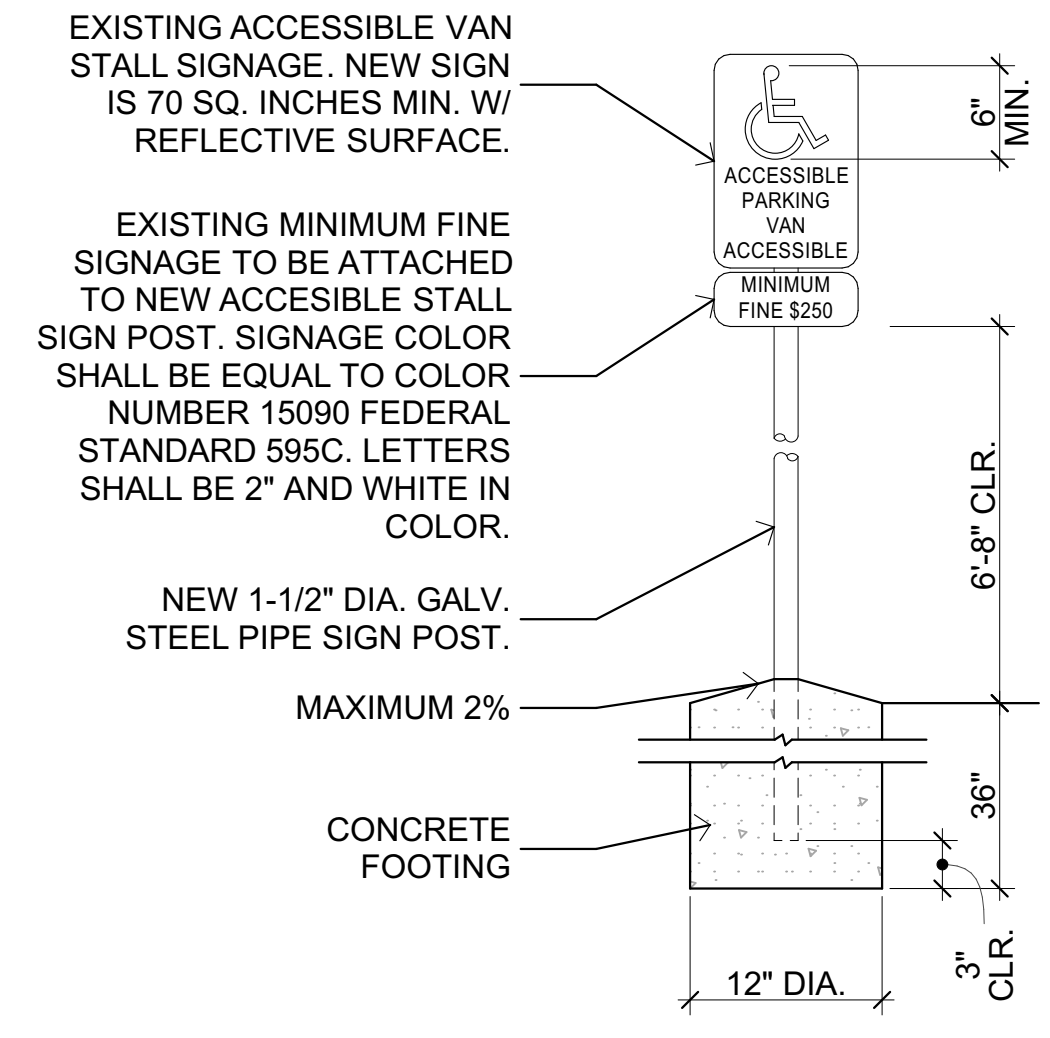


2 ENLARGED PARKING PLAN
SCALE: 1/4" = 1'-0"

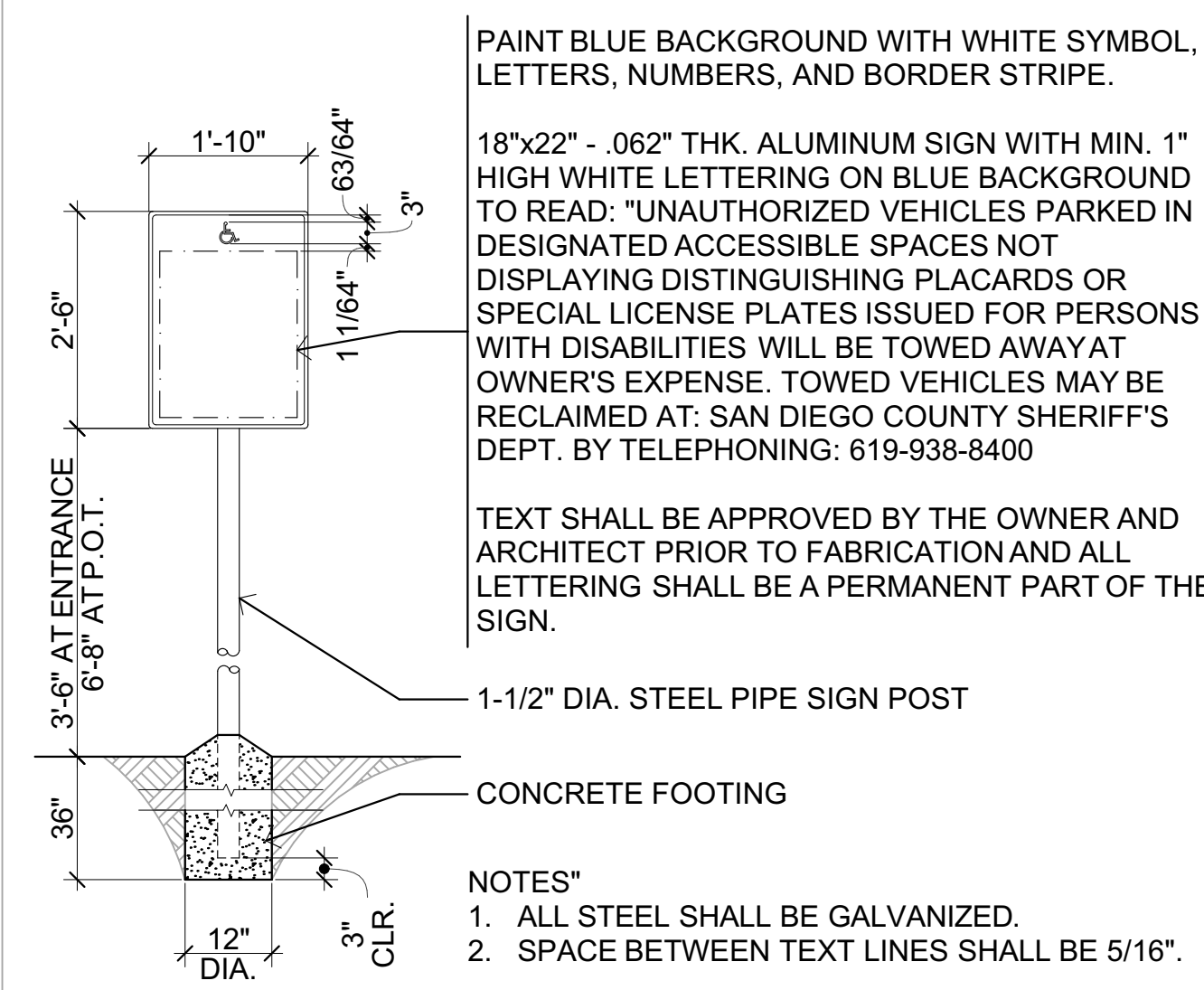
1. EXISTING PATH OF TRAVEL.
2. EXISTING ACCESSIBLE PARKING STALL PER DSA APPROVED A#04-114968.
3. EXISTING ACCESS AISLE PER DSA APPROVED A#04-114968.
4. EXISTING ISA PAVEMENT MARKING PER DSA APPROVED A#04-114968.
5. EXISTING WHEELSTOP PER DSA APPROVED A#04-114968.
6. EXISTING VAN ACCESSIBLE STALL SIGNAGE PER DSA APPROVED A#04-114968.
7. EXISTING 12" HIGH PAINTED WHITE "NO PARKING".
8. EXISTING CHAIN LINK FENCING.



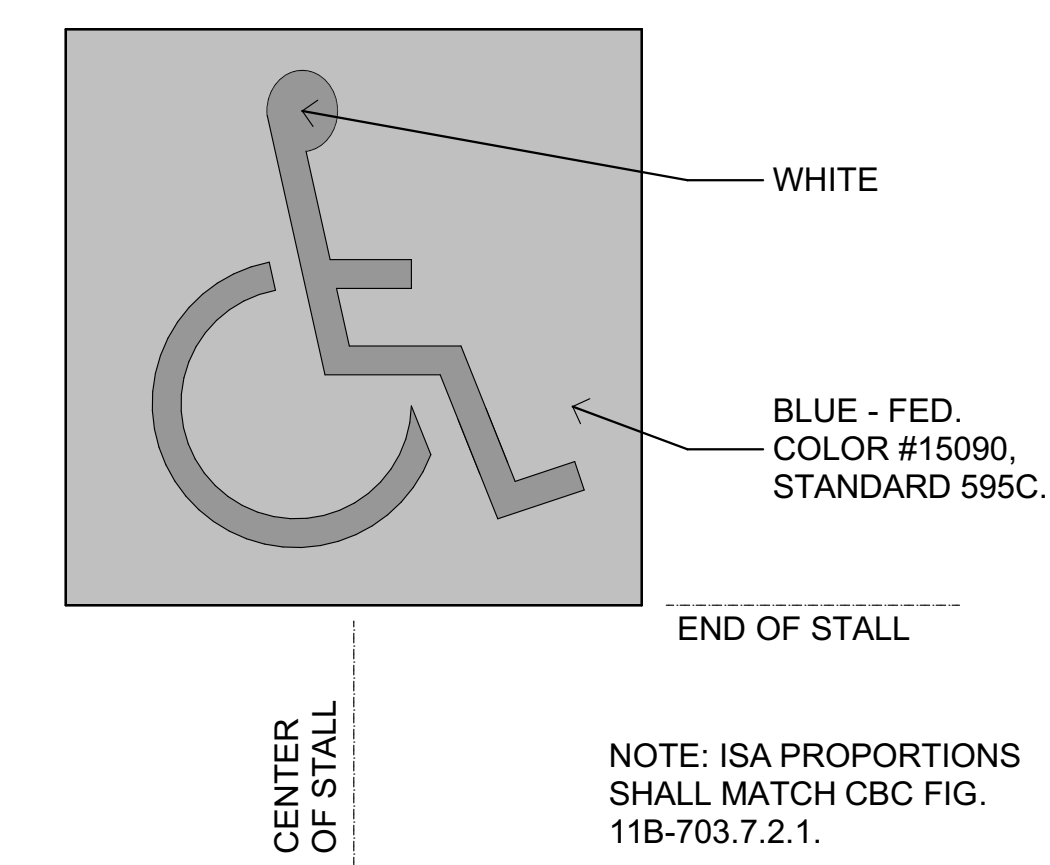
7 WHEELSTOP
SCALE: 1" = 1'-0"



3 ACS VAN STALL SIGN
SCALE: 1" = 1'-0"

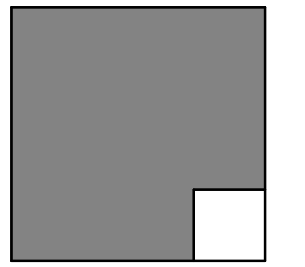


8 ACS TOW AWAY SIGN
SCALE: 1/2" = 1'-0"



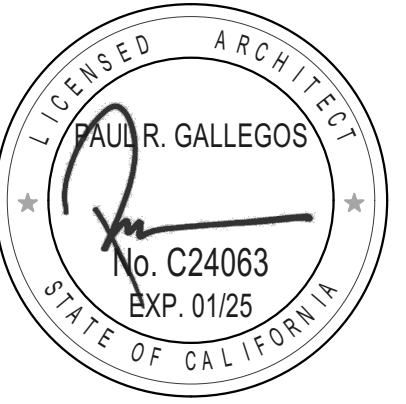
4 ACS PAVEMENT MARKING
SCALE: 1" = 1'-0"

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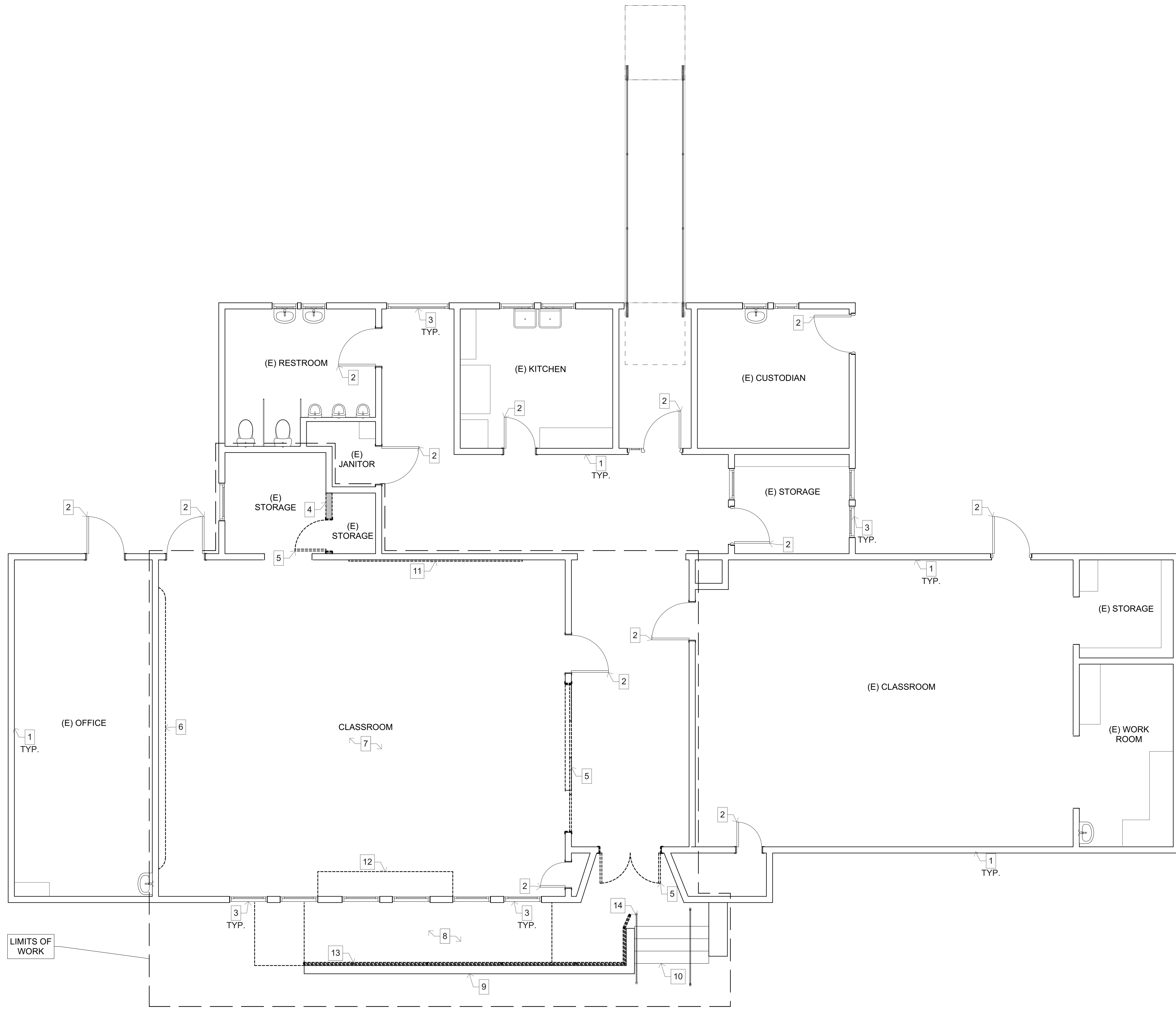
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ENLARGED PARKING PLAN

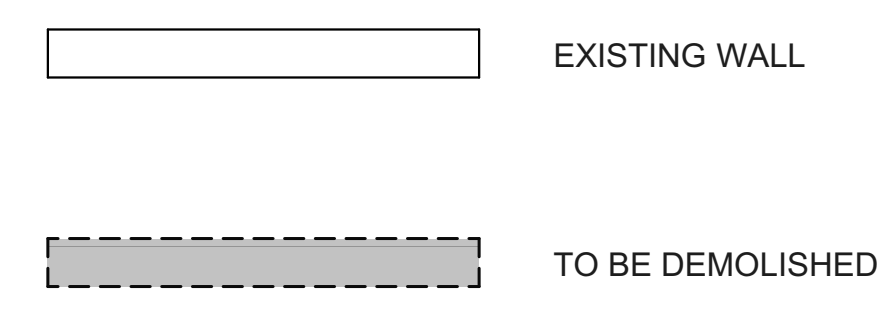


2 EXISTING FLOOR PLAN
SCALE: 1/4" = 1'-0"

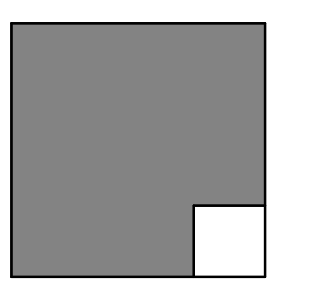
KEYNOTES

1. EXISTING WALL TO REMAIN.
2. EXISTING WINDOW TO REMAIN.
3. EXISTING DOOR TO REMAIN.
4. EXISTING WALL TO BE DEMOLISHED.
5. EXISTING DOOR & FRAME TO BE DEMOLISHED.
6. EXISTING RAISED STEP TO BE DEMOLISHED.
7. EXISTING CARPET FLOORING AND UNDERLAYMENT TO BE DEMOLISHED.
8. EXISTING CONCRETE RAMP SURFACE PAVING TO BE DEMOLISHED.
9. EXISTING MASONRY WALL TO REMAIN.
10. EXISTING STAIRS TO REMAIN.
11. EXISTING MARKERBOARD TO BE DEMOLISHED.
12. EXISTING BASE CABINETS TO BE DEMOLISHED.
13. REMOVE EXISTING HANDRAIL FOR REPLACEMENT.
14. MODIFY PORTION OF HANDRAIL AT TOP OF STAIR PER NEW WORK PLAN.

WALL LEGEND

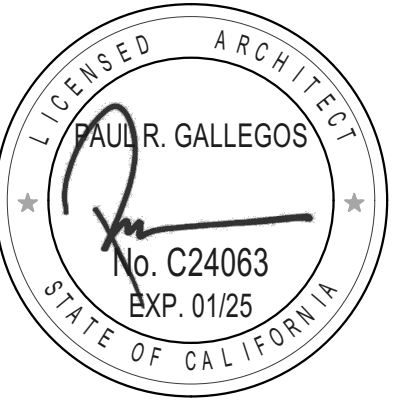


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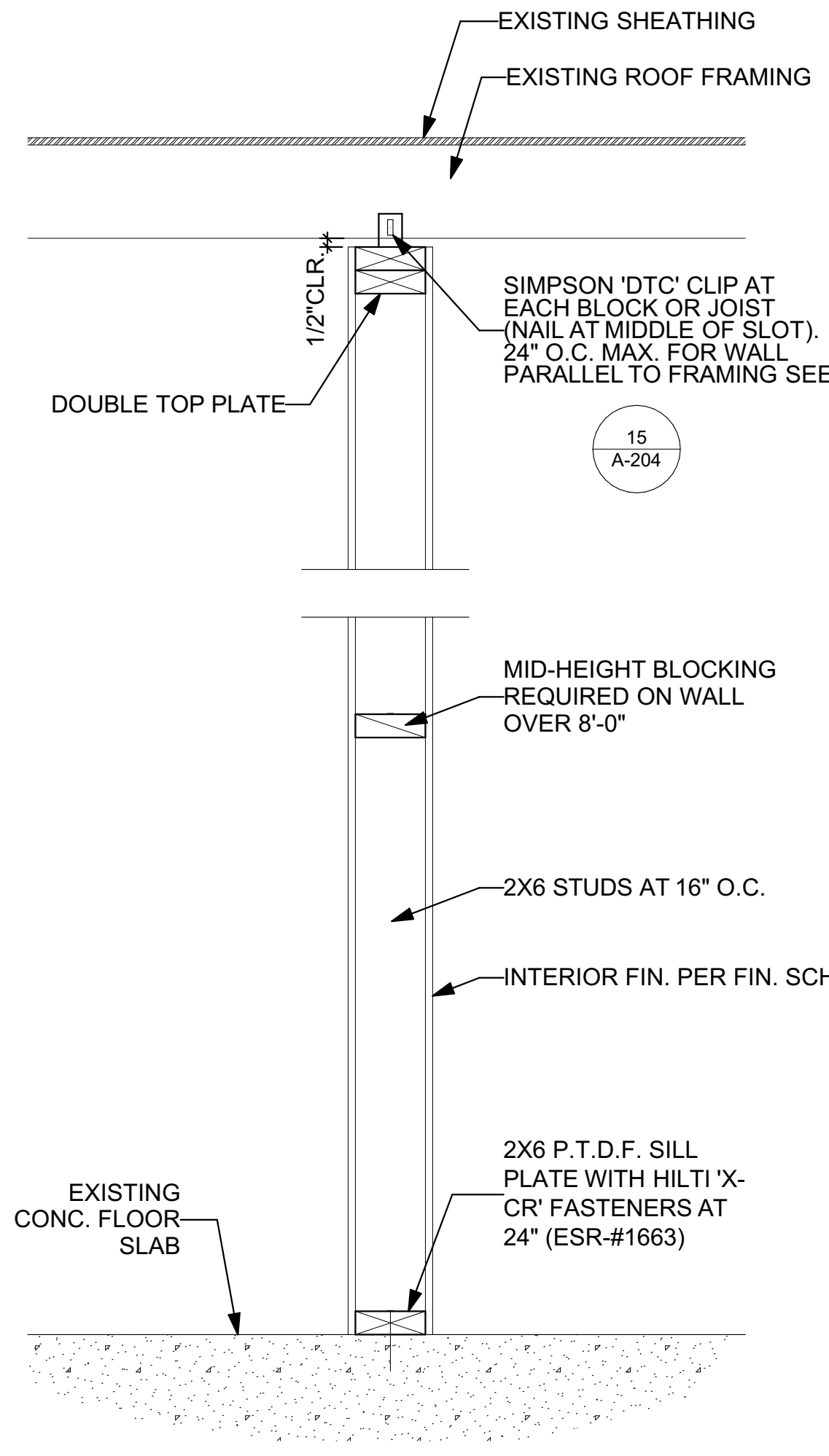
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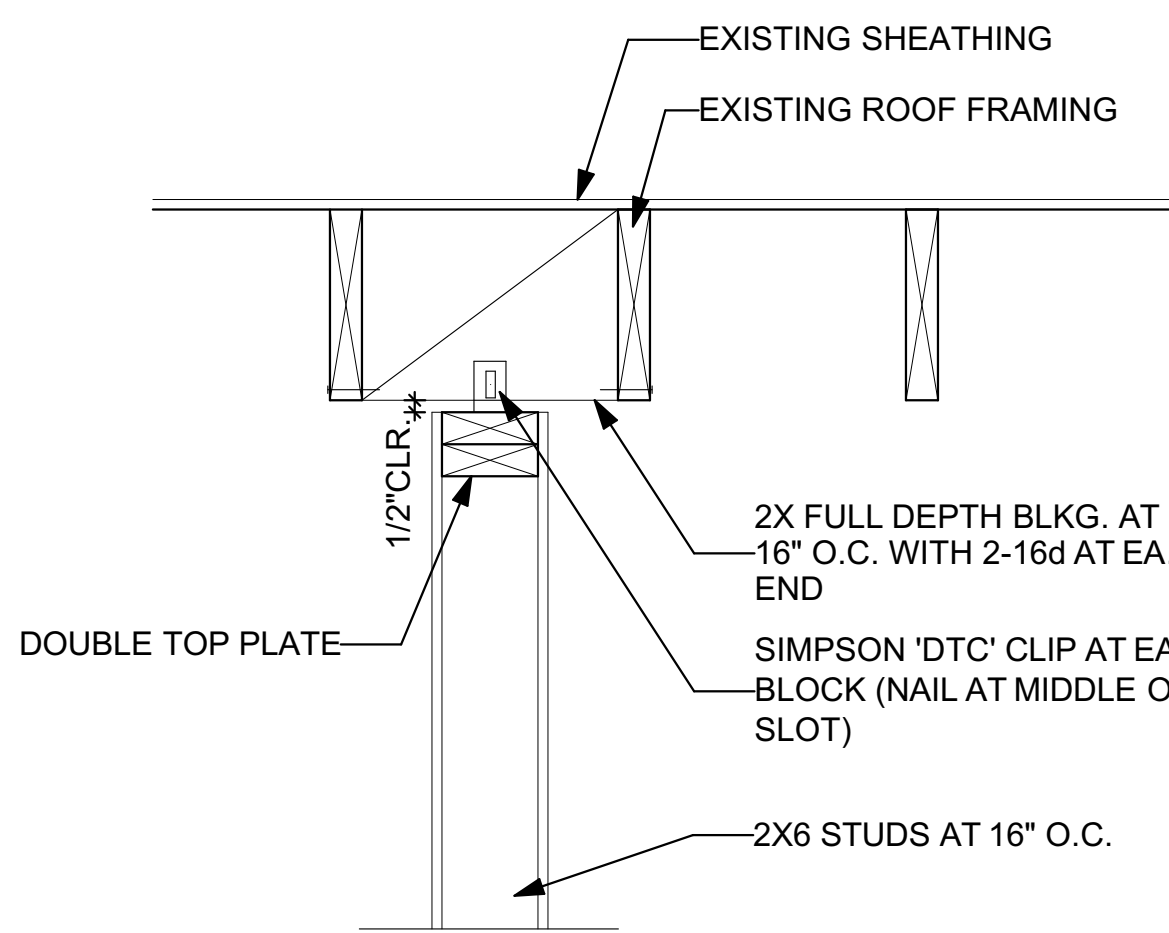
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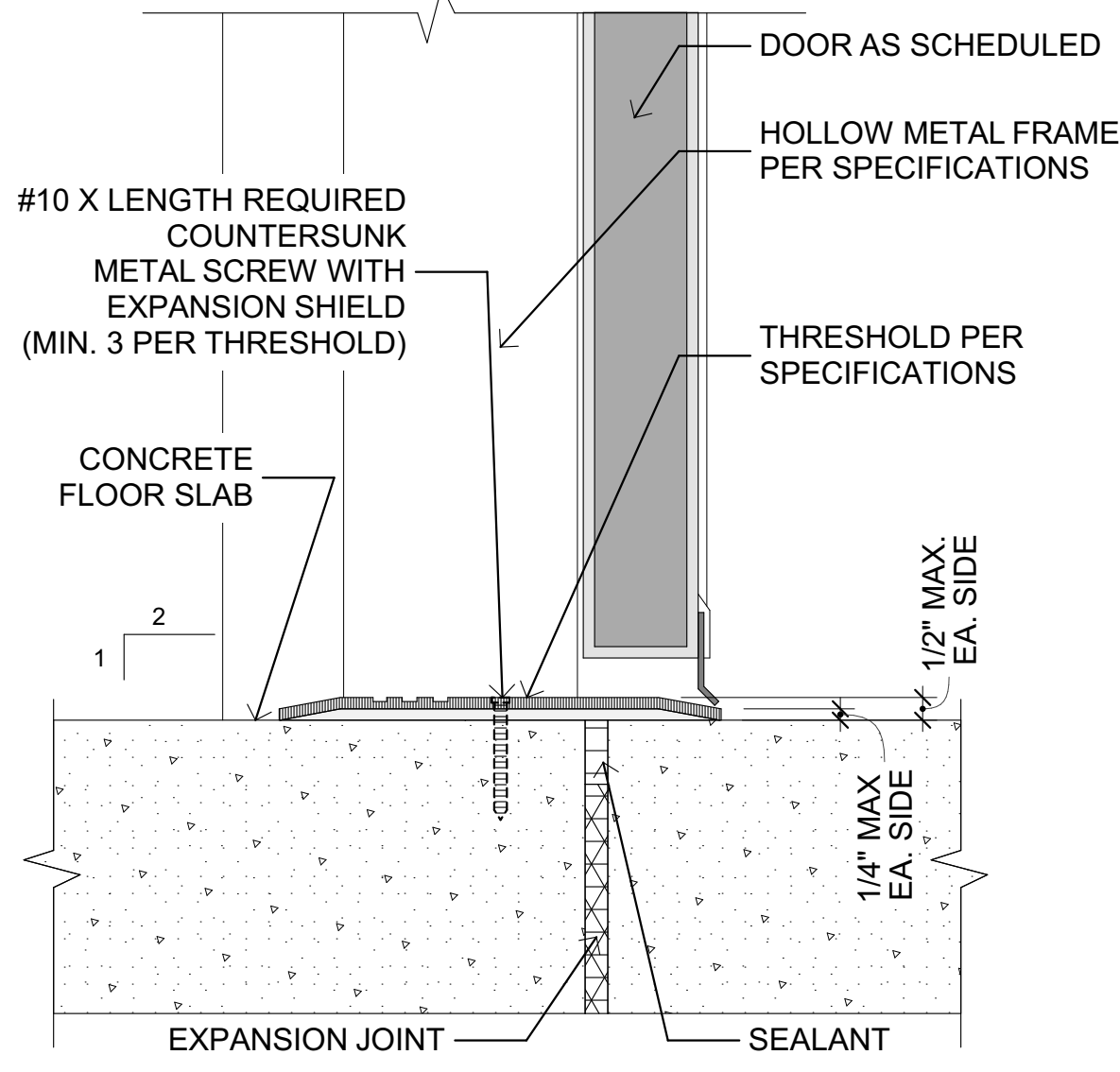
EXISTING / DEMOLITION
FLOOR PLAN



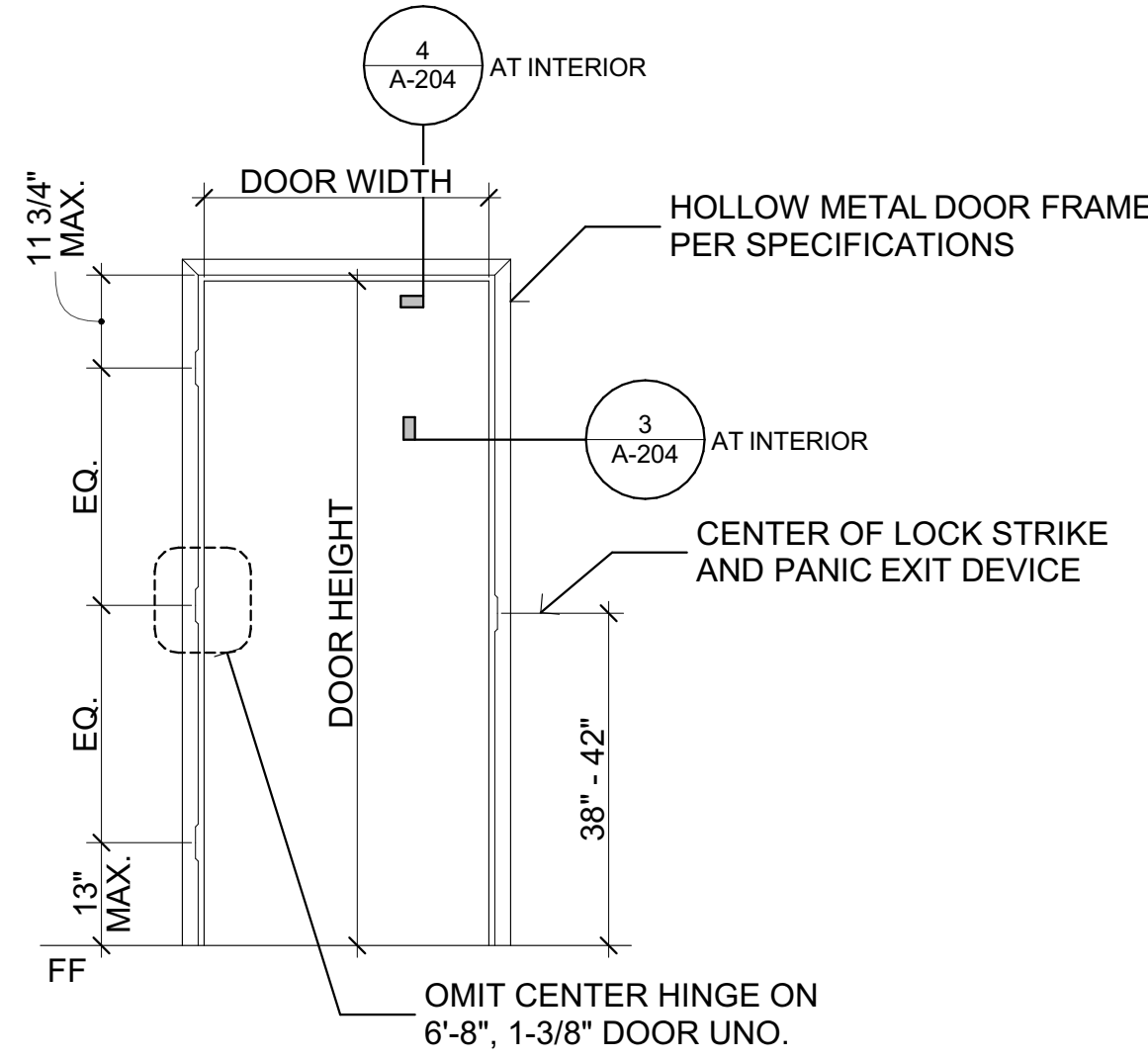
14 NON-BEARING PARTITION
SCALE: 1" = 1'-0"



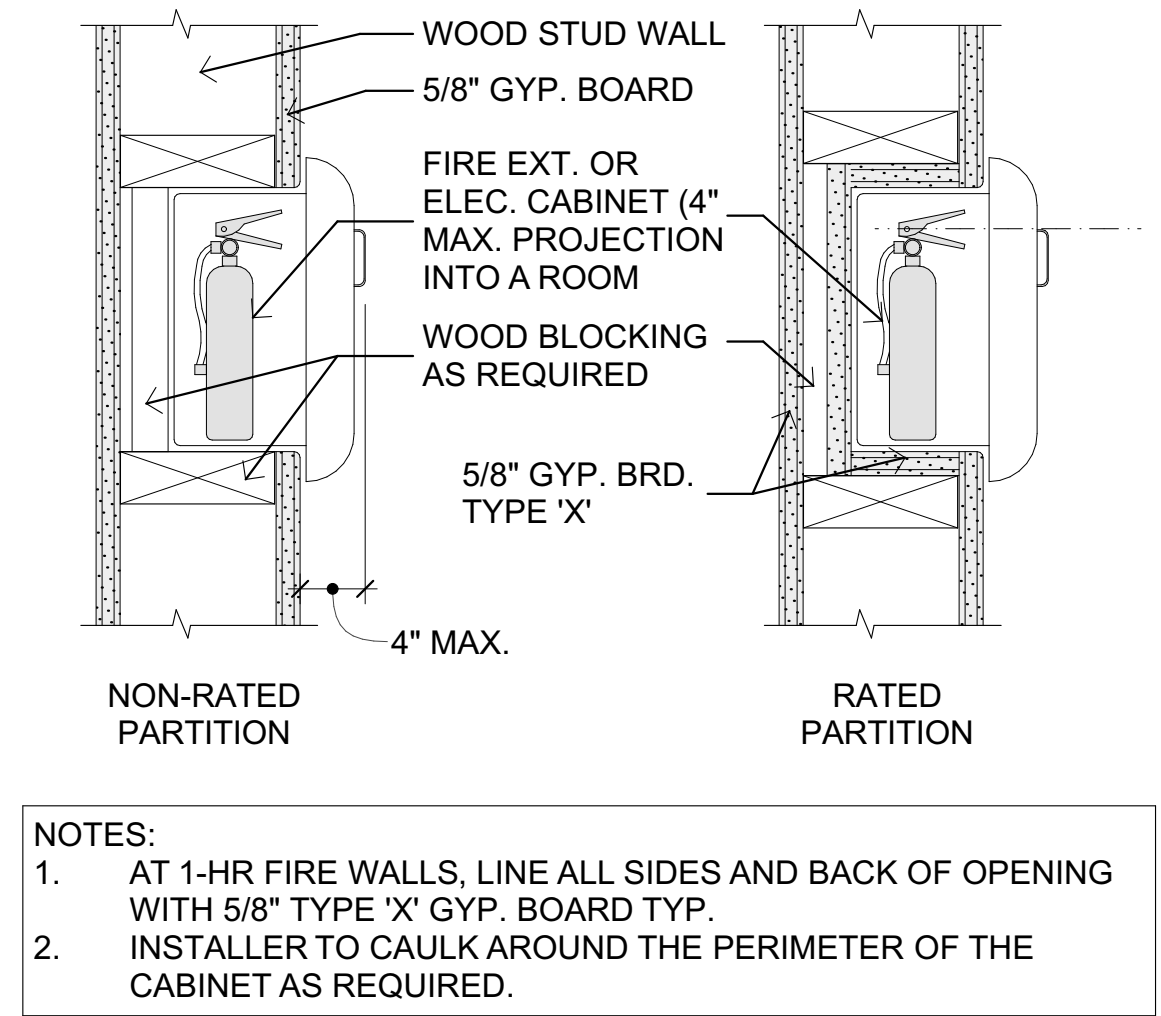
15 PART. PERP. TO FRAMING
SCALE: 1" = 1'-0"



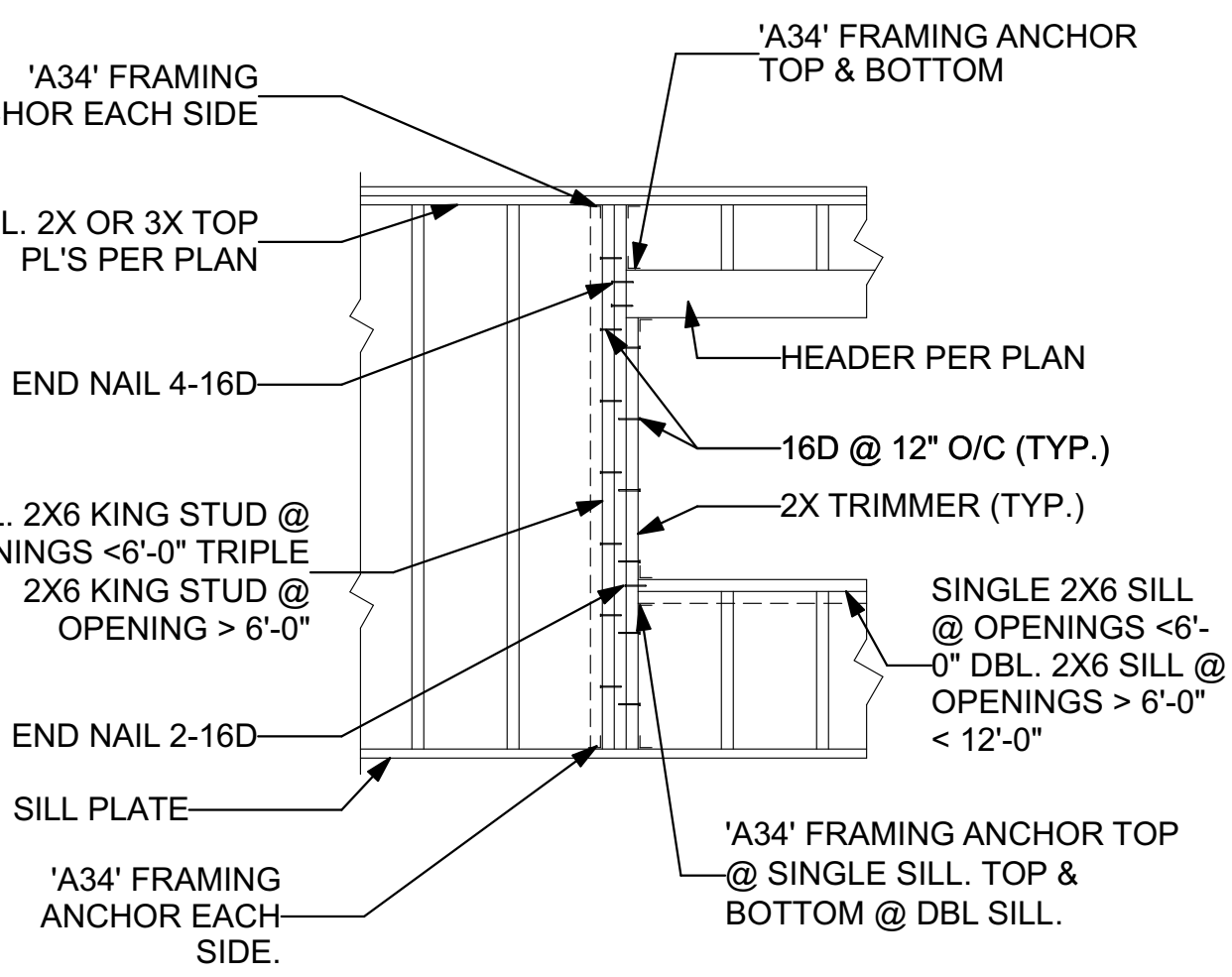
9 TYP. EXT. DOOR THRESHOLD
SCALE: 3" = 1'-0"



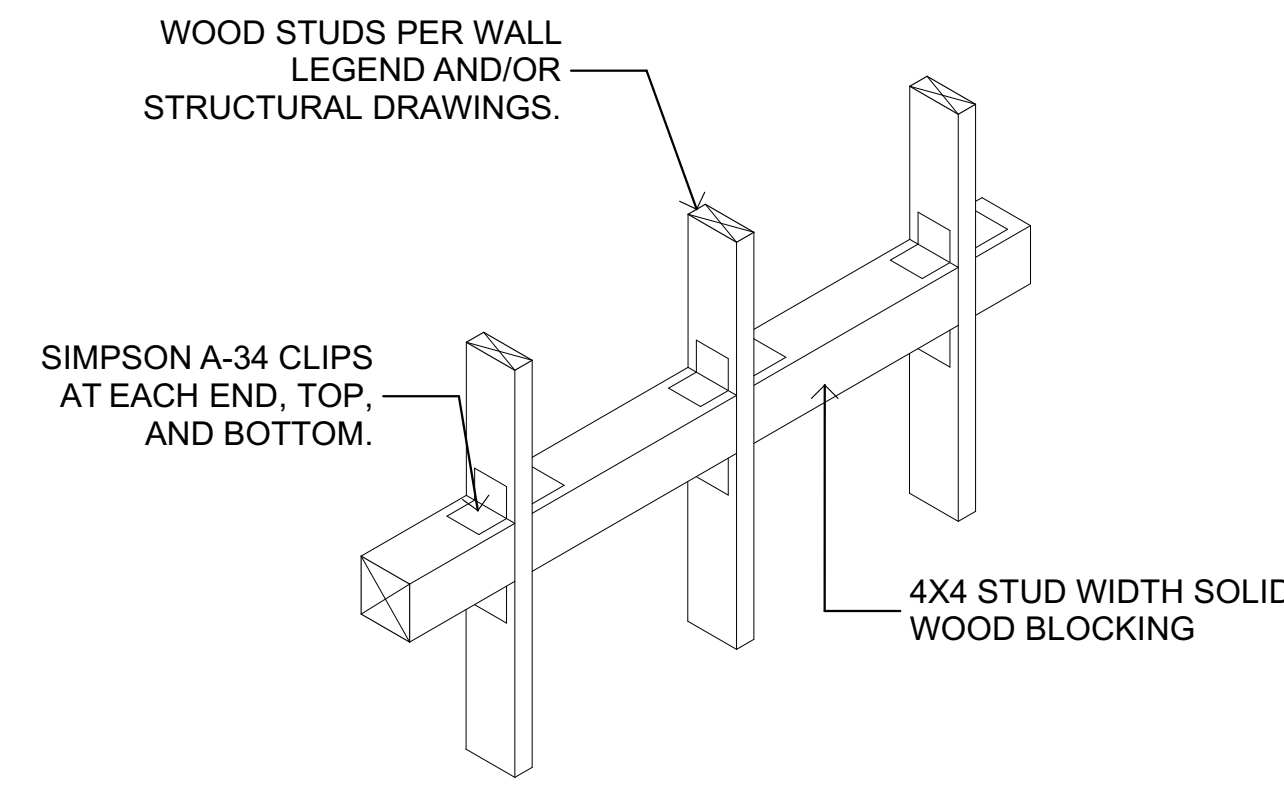
10 TYPICAL HARDWARE LOCATIONS
SCALE: 1/2" = 1'-0"



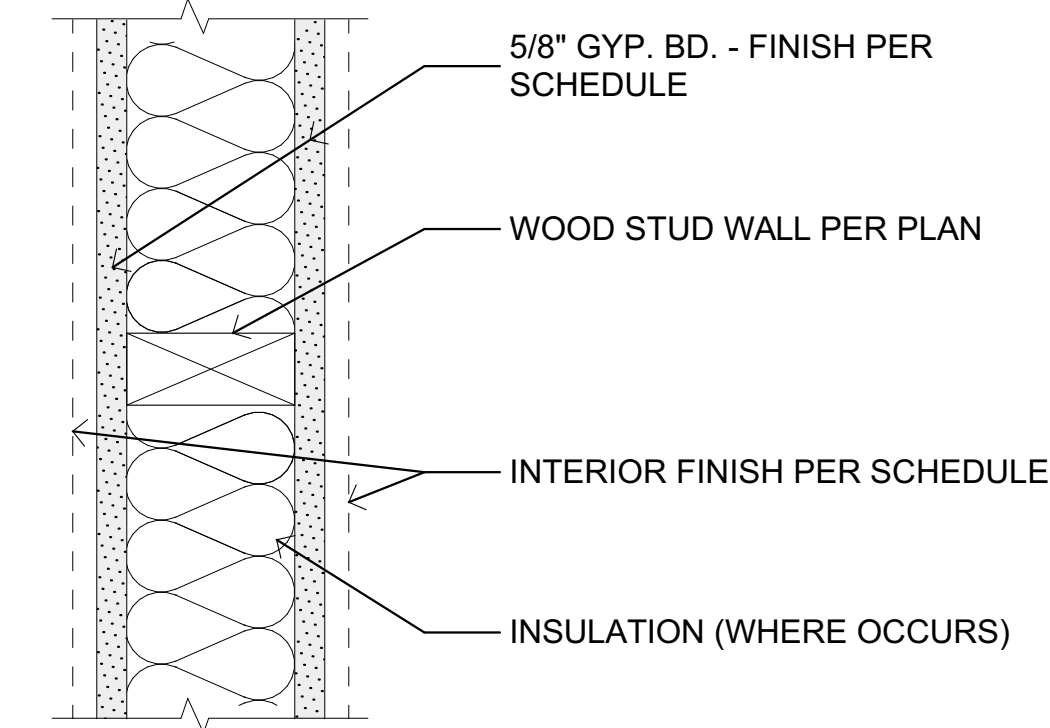
11 FIRE EXTINGUISHER CABINET
SCALE: 3" = 1'-0"



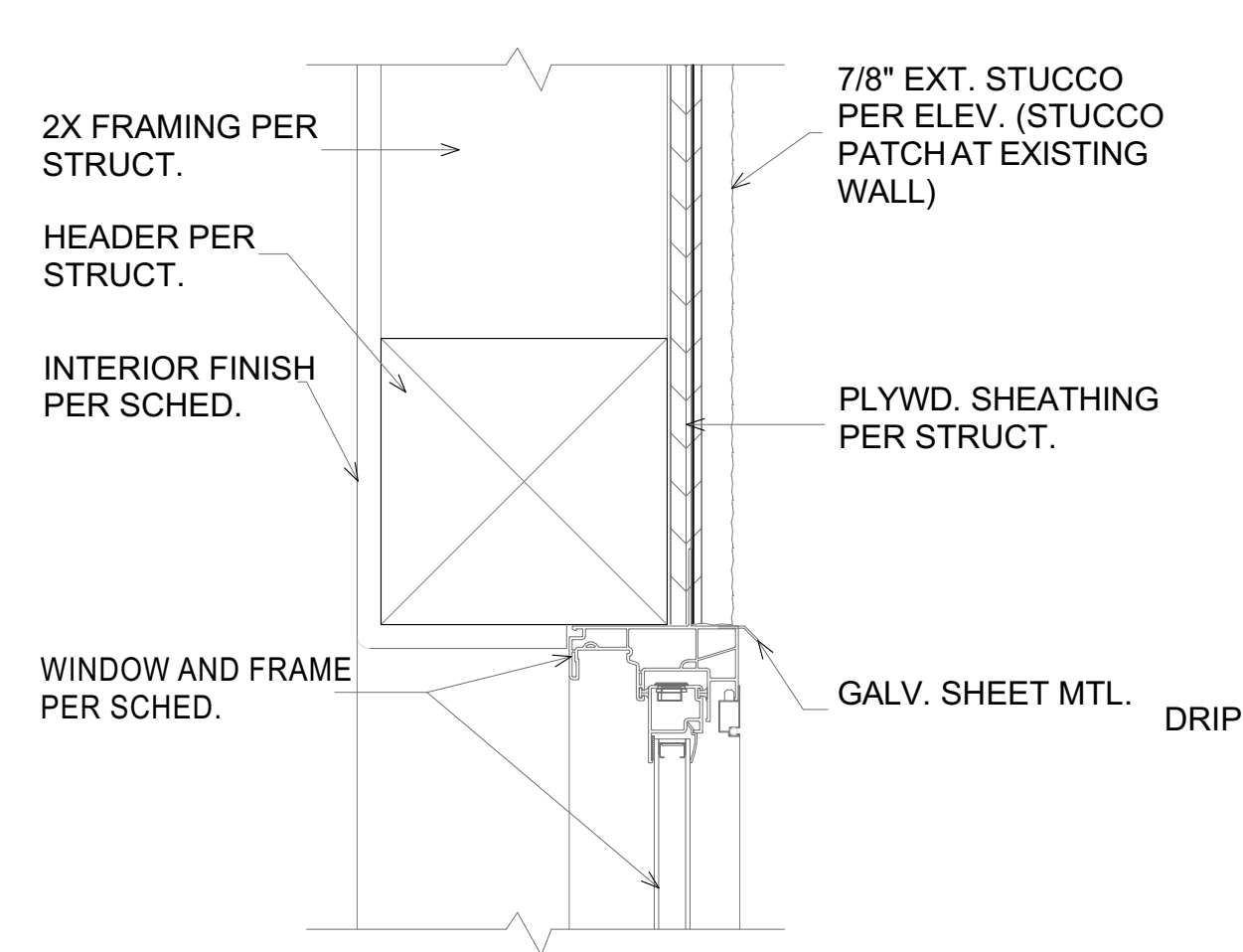
12 TYP. FRAMING @ 2X STUD WALL (1)
SCALE: 1" = 1'-0"



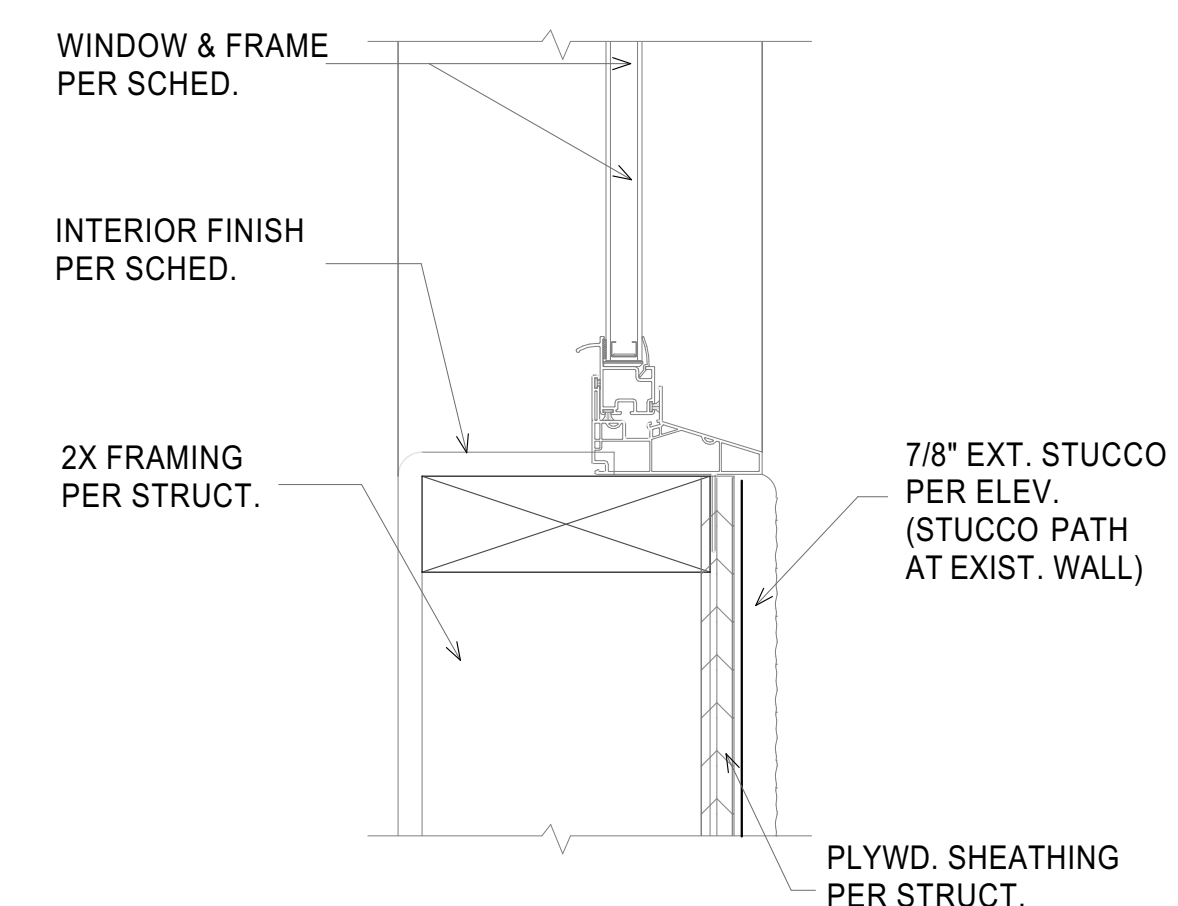
5 TYPICAL WOOD BLOCKING
SCALE: 1" = 1'-0"



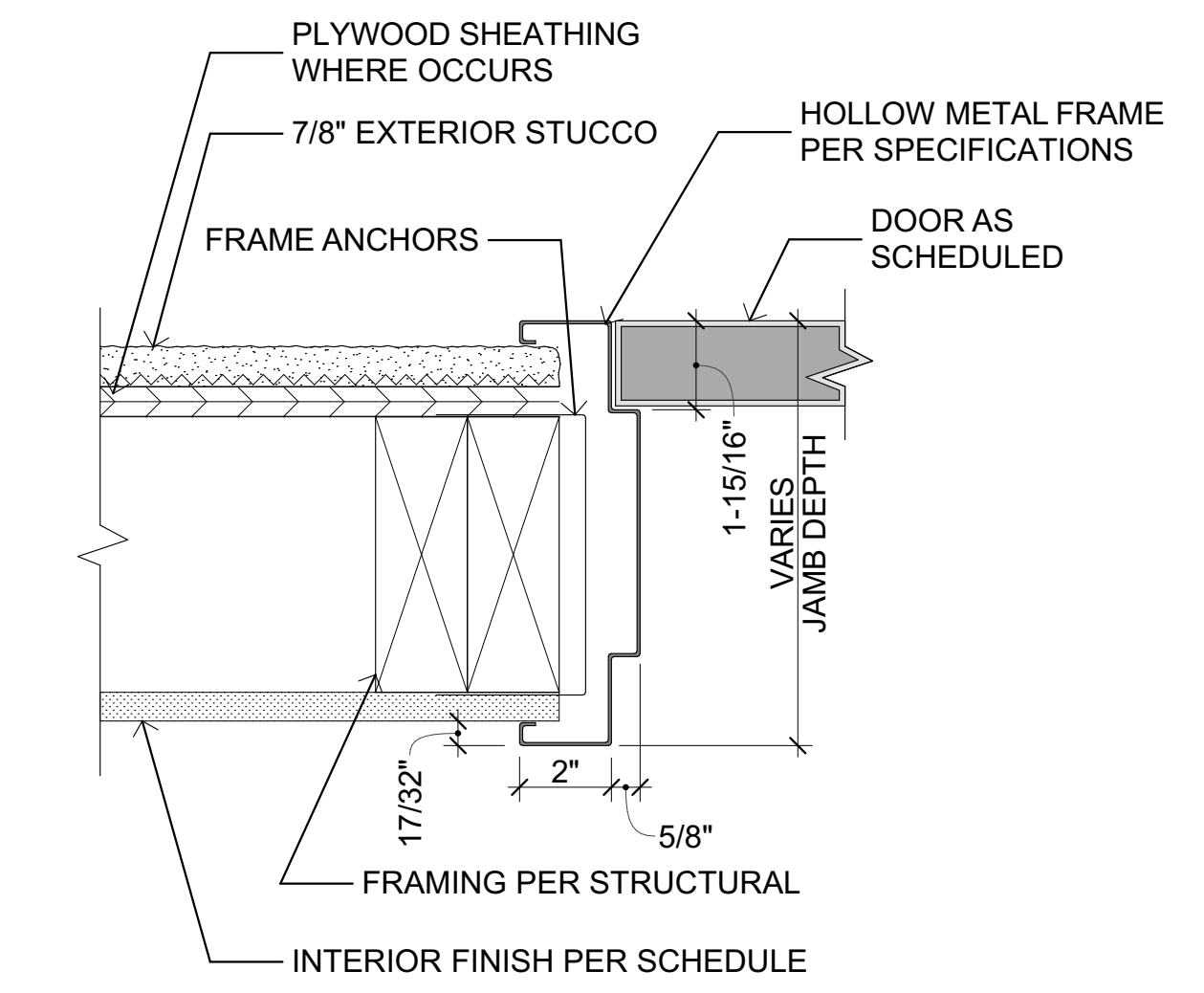
6 INT. NON-BEARING WOOD WALL
SCALE: 3" = 1'-0"



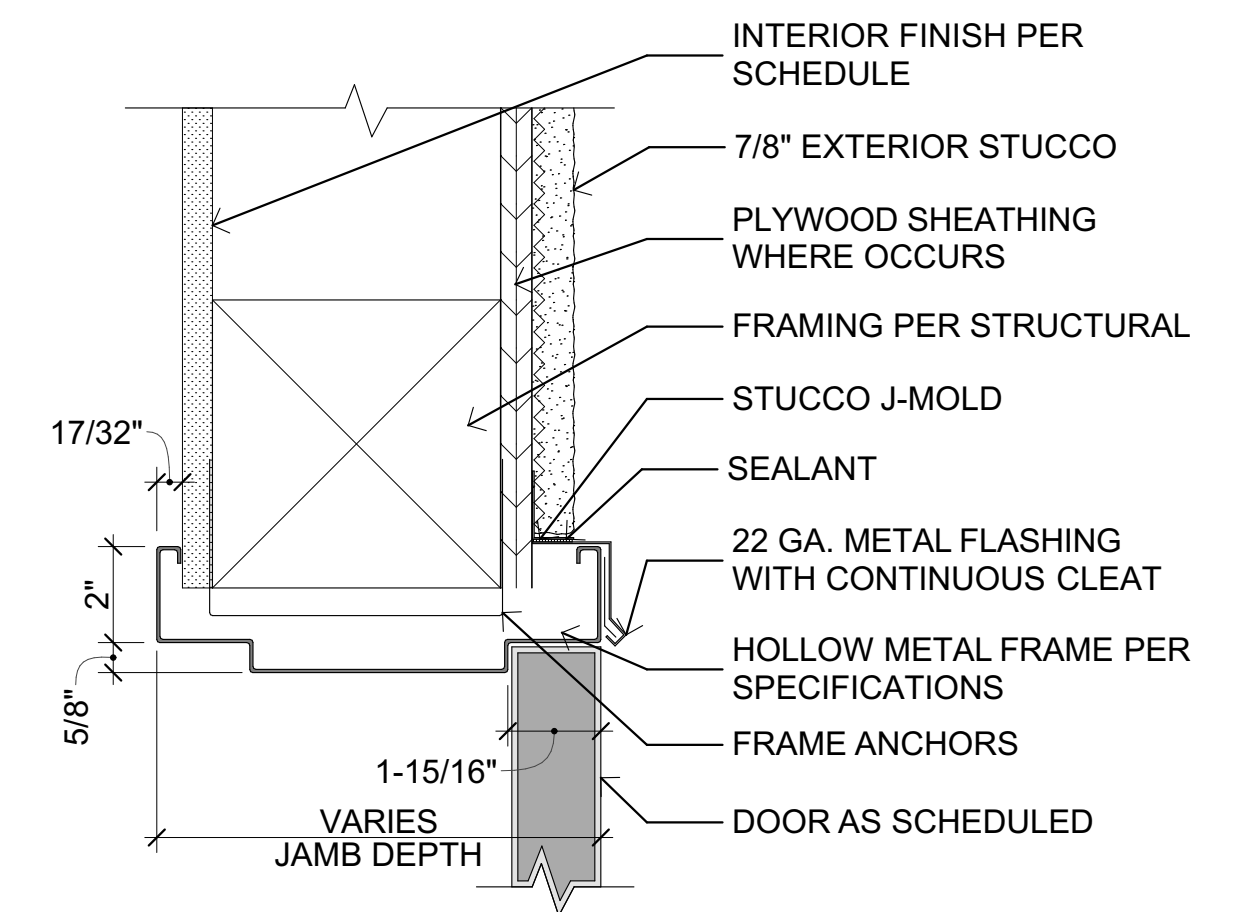
7 TYP. WINDOW HEAD
SCALE: 3" = 1'-0"



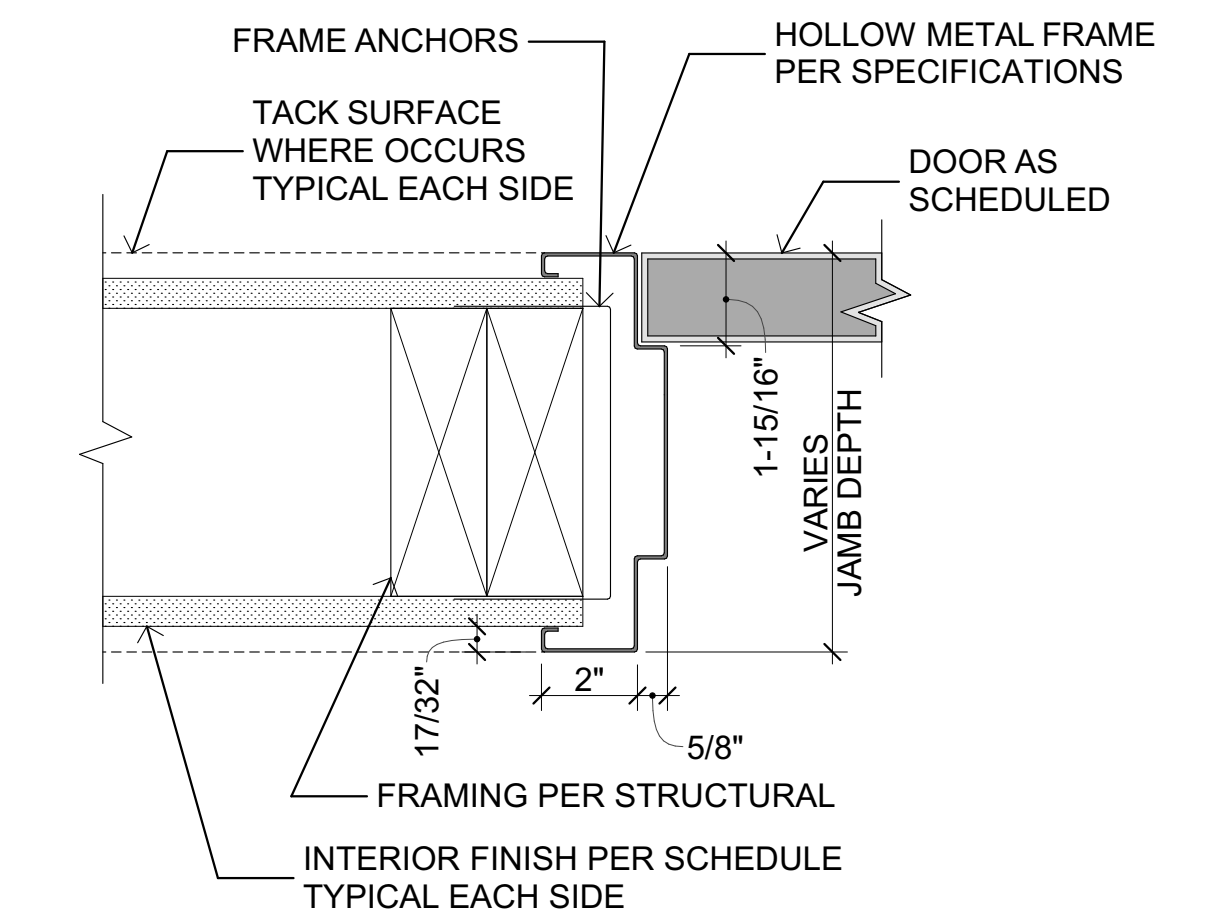
8 TYP. WINDOW SILL
SCALE: 3" = 1'-0"



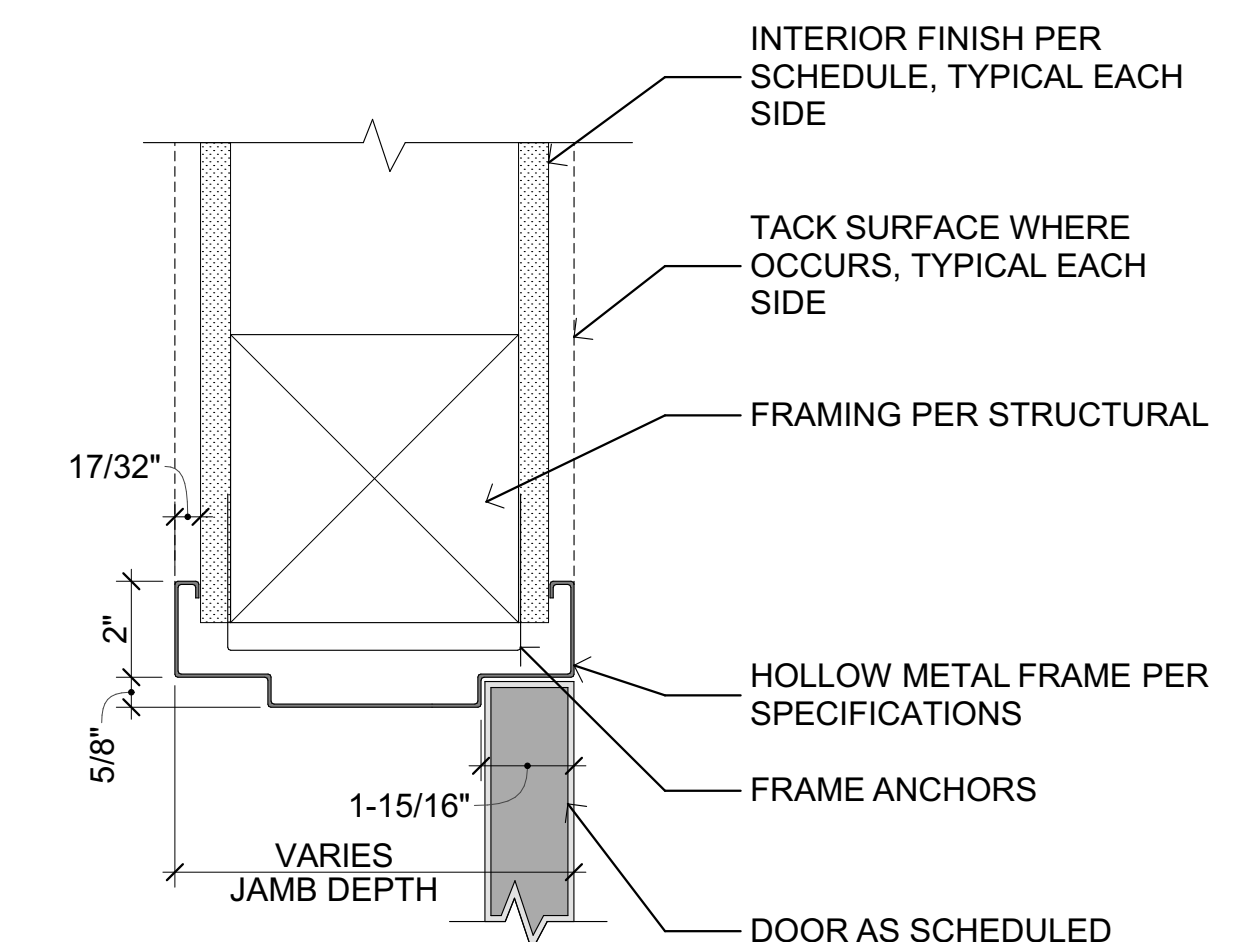
1 TYPICAL EXTERIOR DOOR JAMB
SCALE: 3" = 1'-0"



2 TYPICAL EXTERIOR DOOR HEAD
SCALE: 3" = 1'-0"

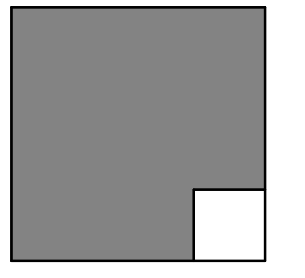


3 TYPICAL INTERIOR DOOR JAMB
SCALE: 3" = 1'-0"



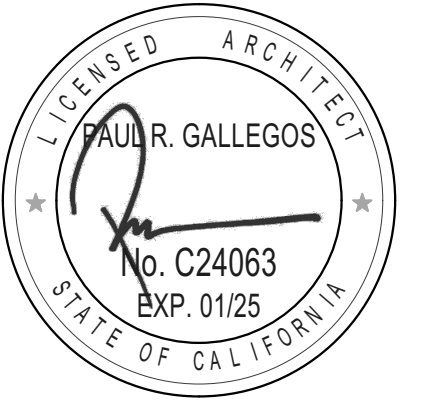
4 TYPICAL INTERIOR DOOR HEAD
SCALE: 3" = 1'-0"

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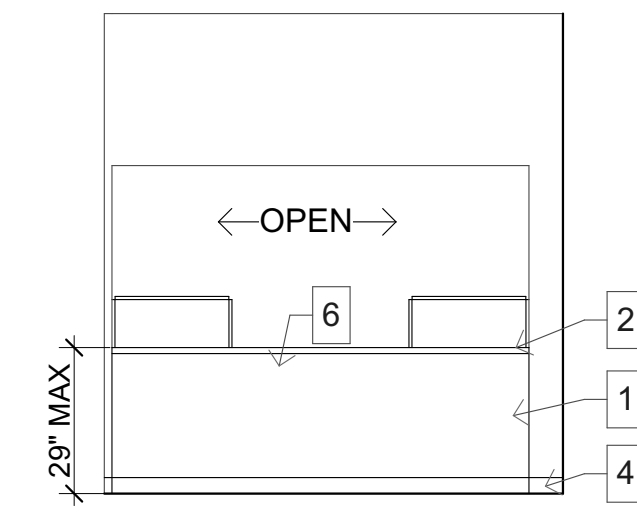
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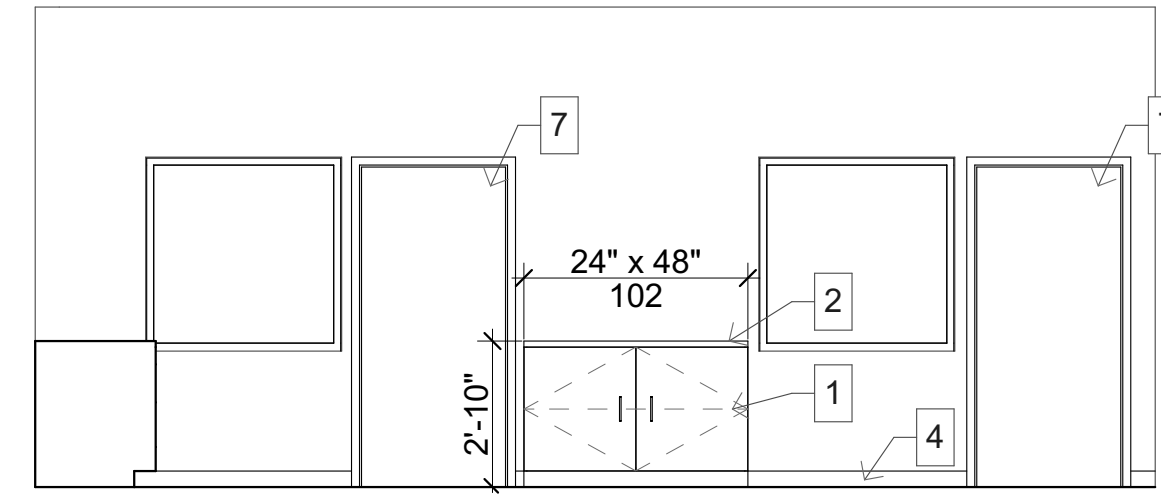
SHEET TITLE

FLOOR PLAN DETAILS

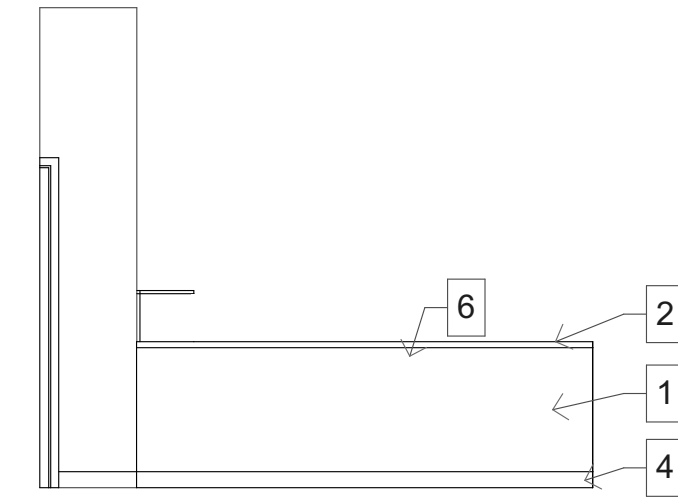
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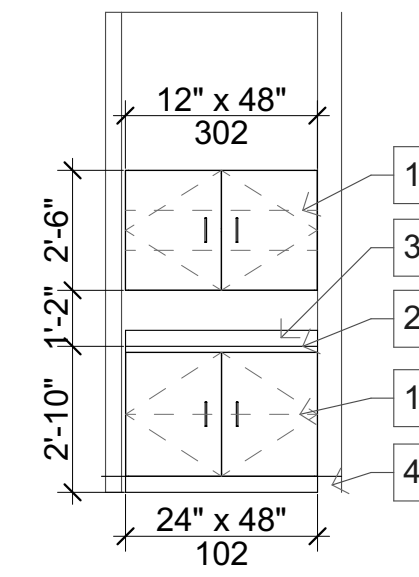
1 RECEPTION FRONT
SCALE: 1/4" = 1'-0"



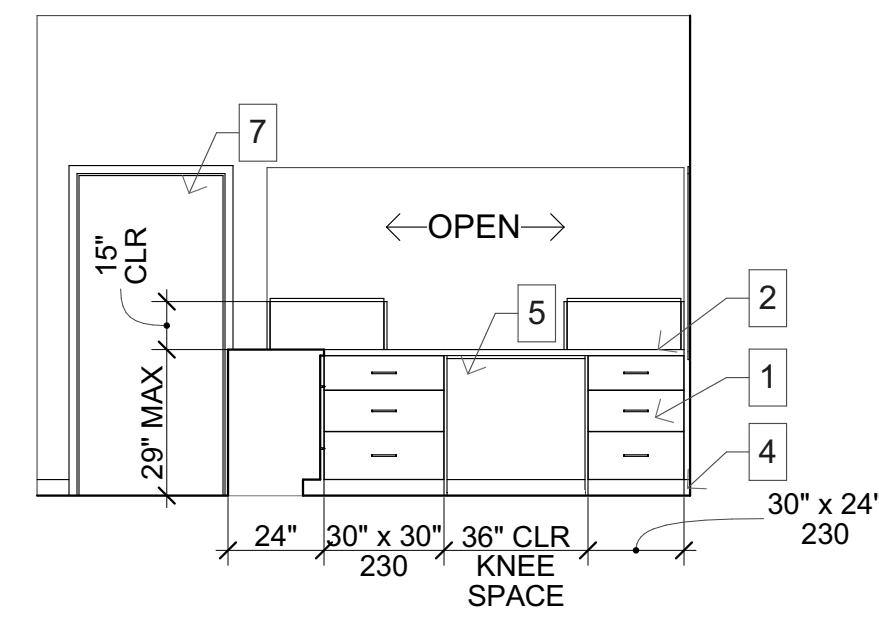
6 OFFICES, CASEWORK FRONT
SCALE: 1/4" = 1'-0"



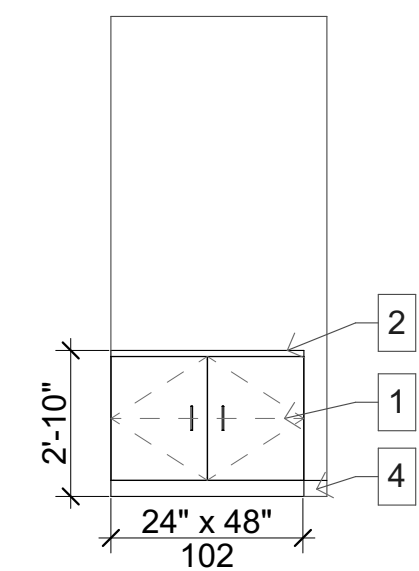
2 RECEPTION SIDE
SCALE: 1/4" = 1'-0"



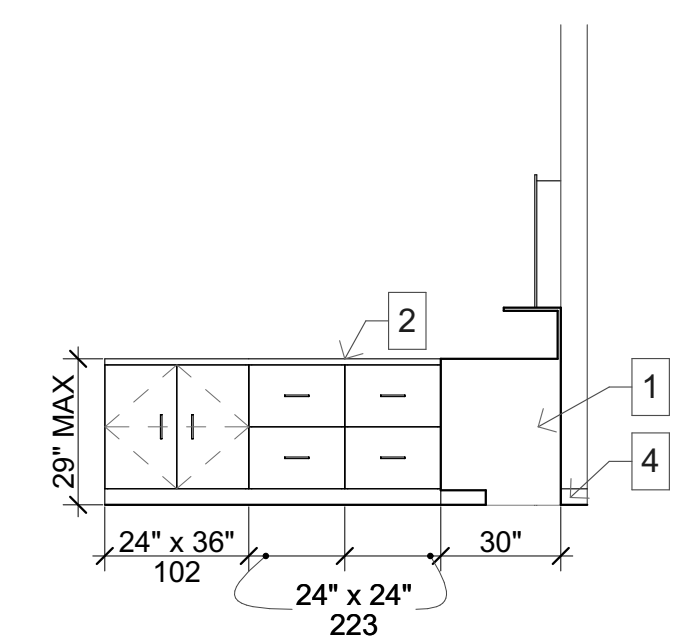
7 HEALTH CASEWORK
SCALE: 1/4" = 1'-0"



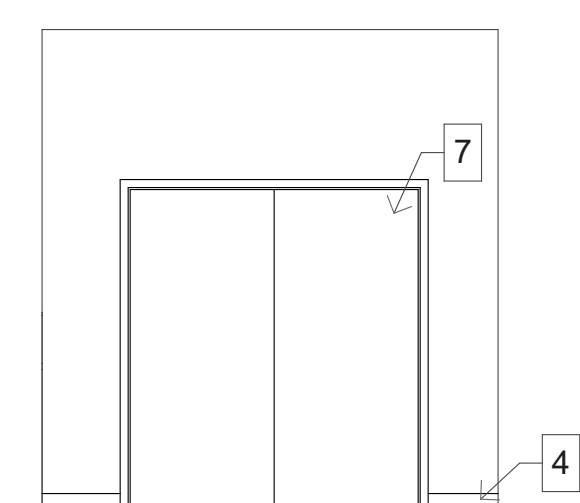
3 RECEPTION BACK
SCALE: 1/4" = 1'-0"



8 ADMIN CASEWORK
SCALE: 1/4" = 1'-0"



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

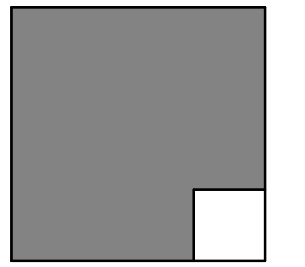


5 HALL DOUBLE DOOR FRONT
SCALE: 1/4" = 1'-0"

KEYNOTES

1. PLASTIC LAMINATE CASEWORK. ADJUSTABLE SHELVING INDICATED BY DASHED LINE WHERE APPLICABLE. REFER TO DETAILS 1, 2, & 3 / A-402.
2. PLASTIC LAMINATE COUNTERTOP.
3. 4" PLASTIC LAMINATE BACKSPLASH.
4. 4" TOPSET RUBBER WALL BASE - REFER TO FINISH SCHEDULE.
5. KNEE SPACE.
6. PLASTIC LAMINATE FACE PANEL.
7. DOOR PER PLAN.

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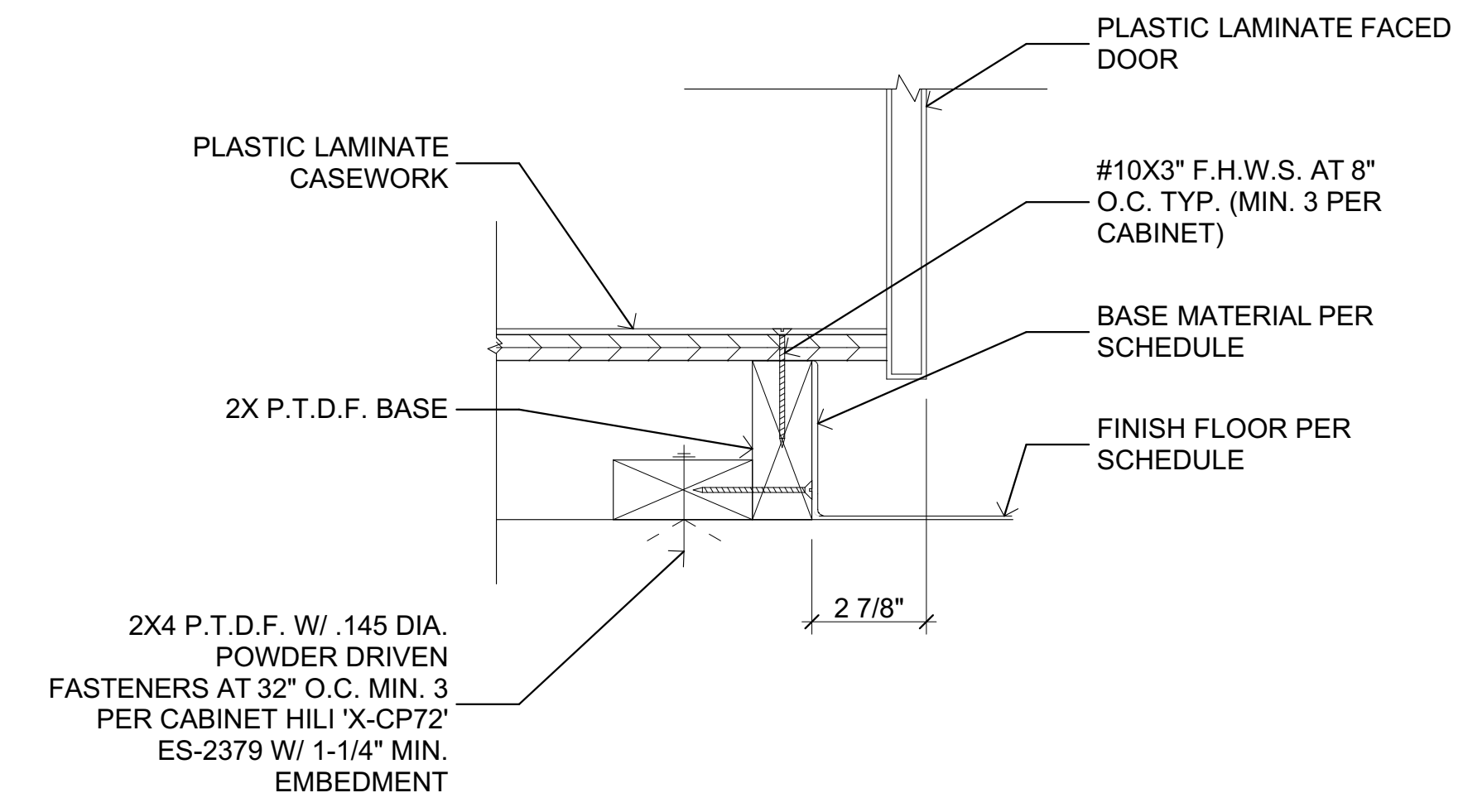
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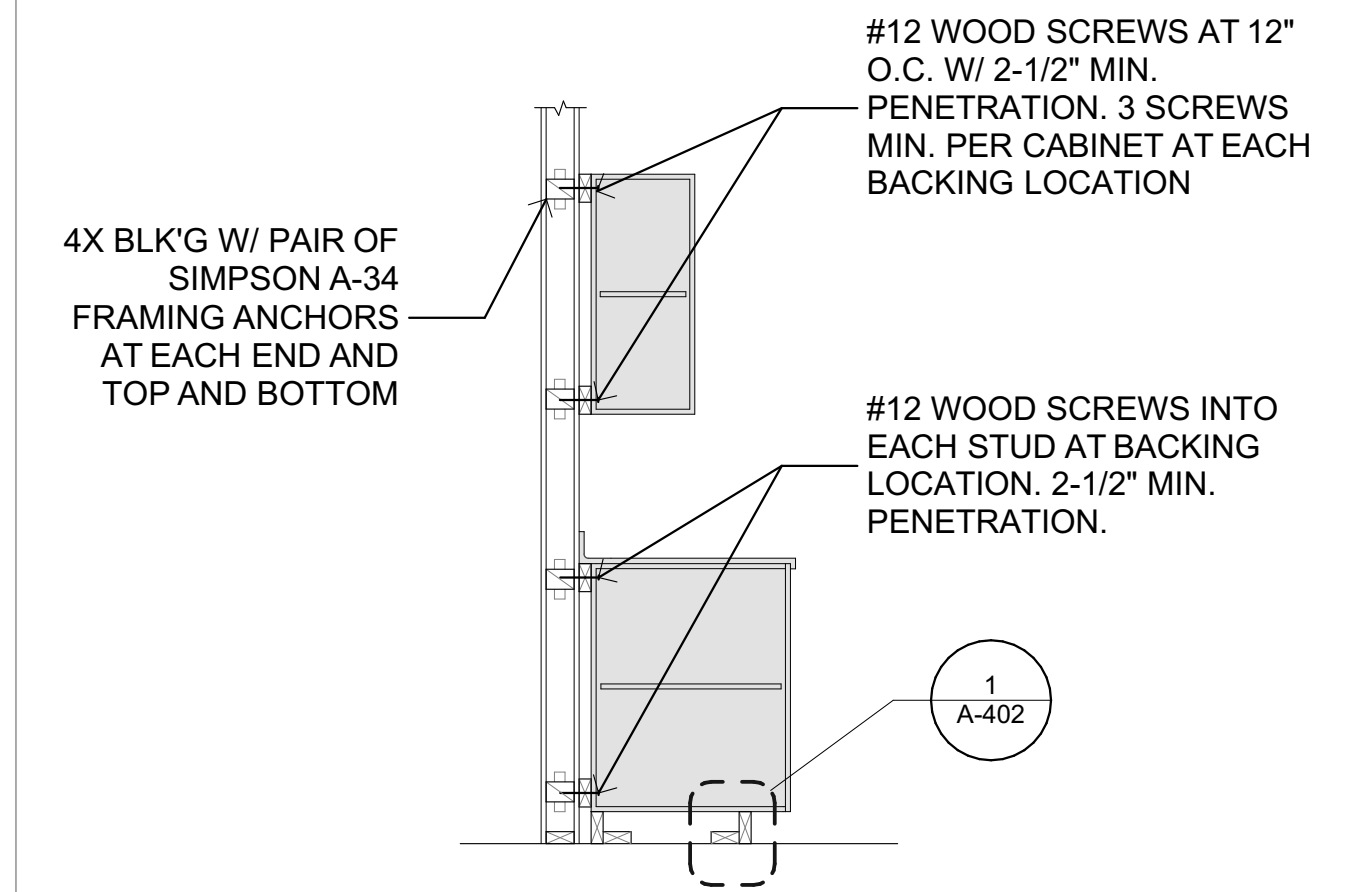
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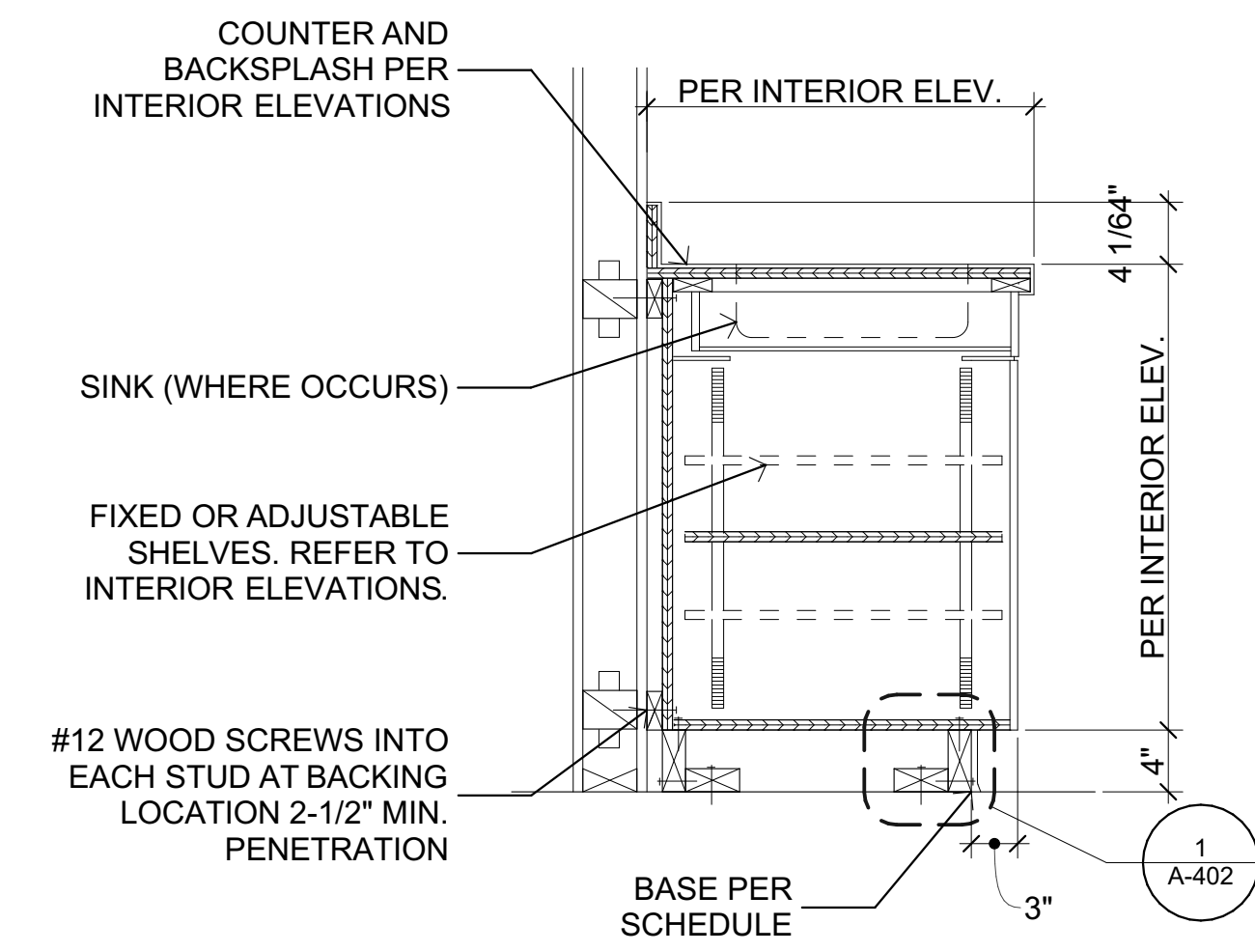
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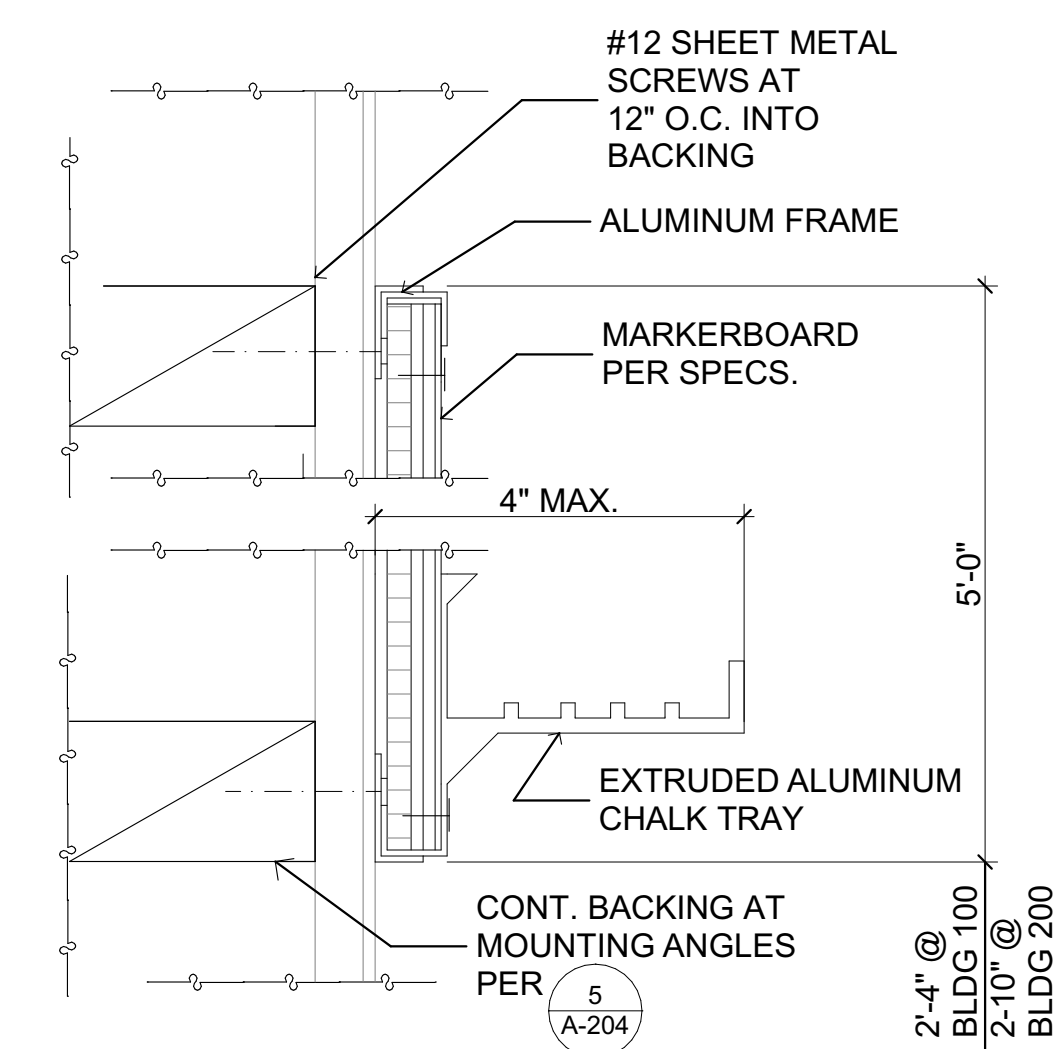
1 CASEWORK ANCHORAGE AT BASE
SCALE: 3" = 1'-0"



2 TYPICAL CASEWORK ANCHORAGE
SCALE: 1/2" = 1'-0"

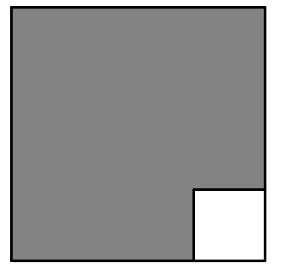


3 BASE CABINET
SCALE: 3" = 1'-0"



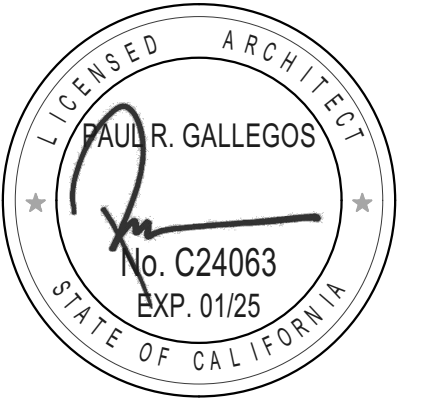
4 TYP. MARKERBOARD
SCALE: 6" = 1'-0"

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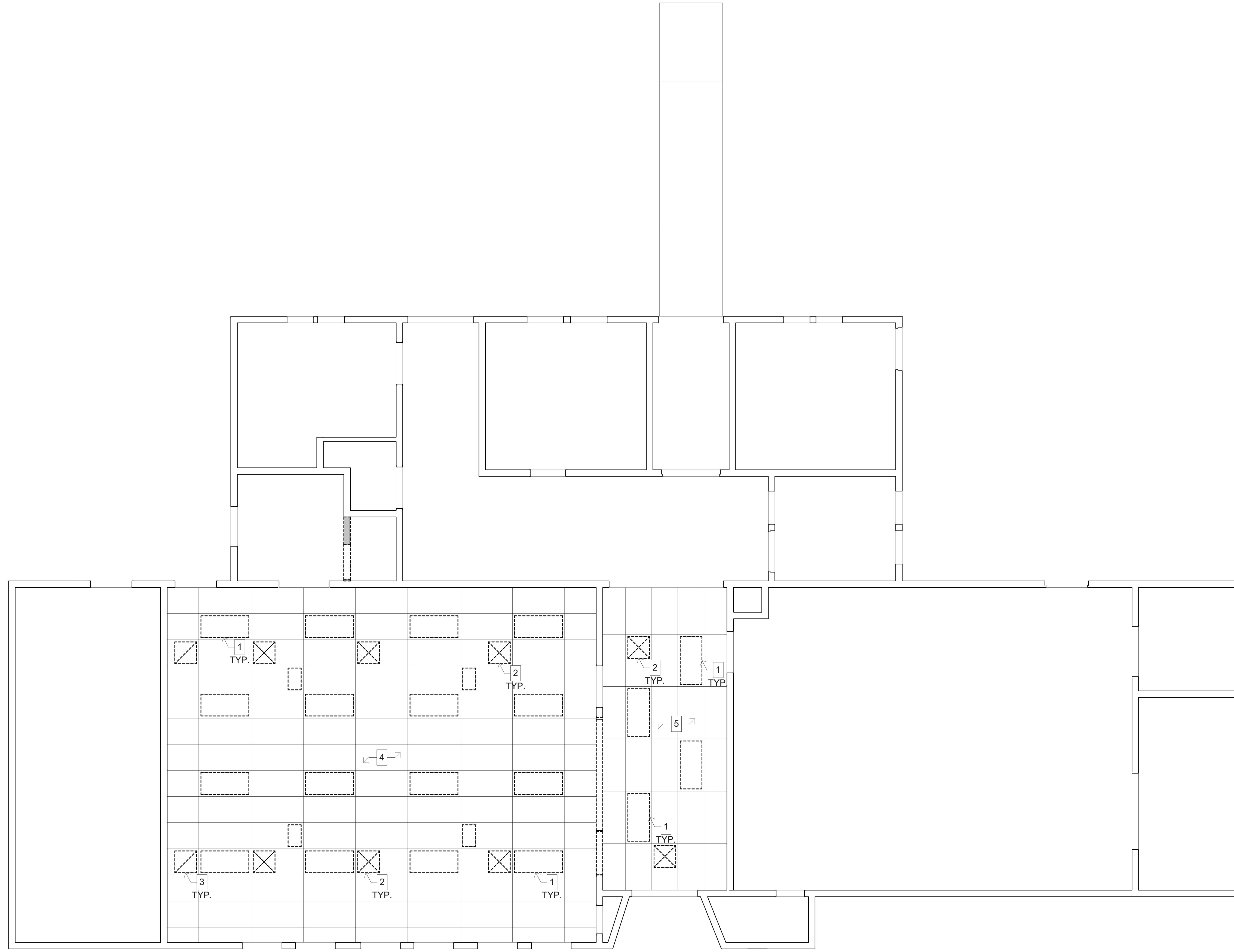
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SHEET TITLE

CASEWORK DETAILS

A-402

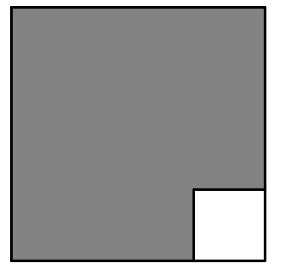


1 REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"

KEYNOTES

1. REMOVE EXISTING LIGHTS.
2. REMOVE EXISTING SUPPLY REGISTER.
3. REMOVE EXISTING RETURN GRILL.
4. REMOVE EXISTING SUSPENDED CEILING AT 10'-9" A.F.F.
5. REMOVE EXISTING SUSPENDED CEILING AT 9'-6" A.F.F.

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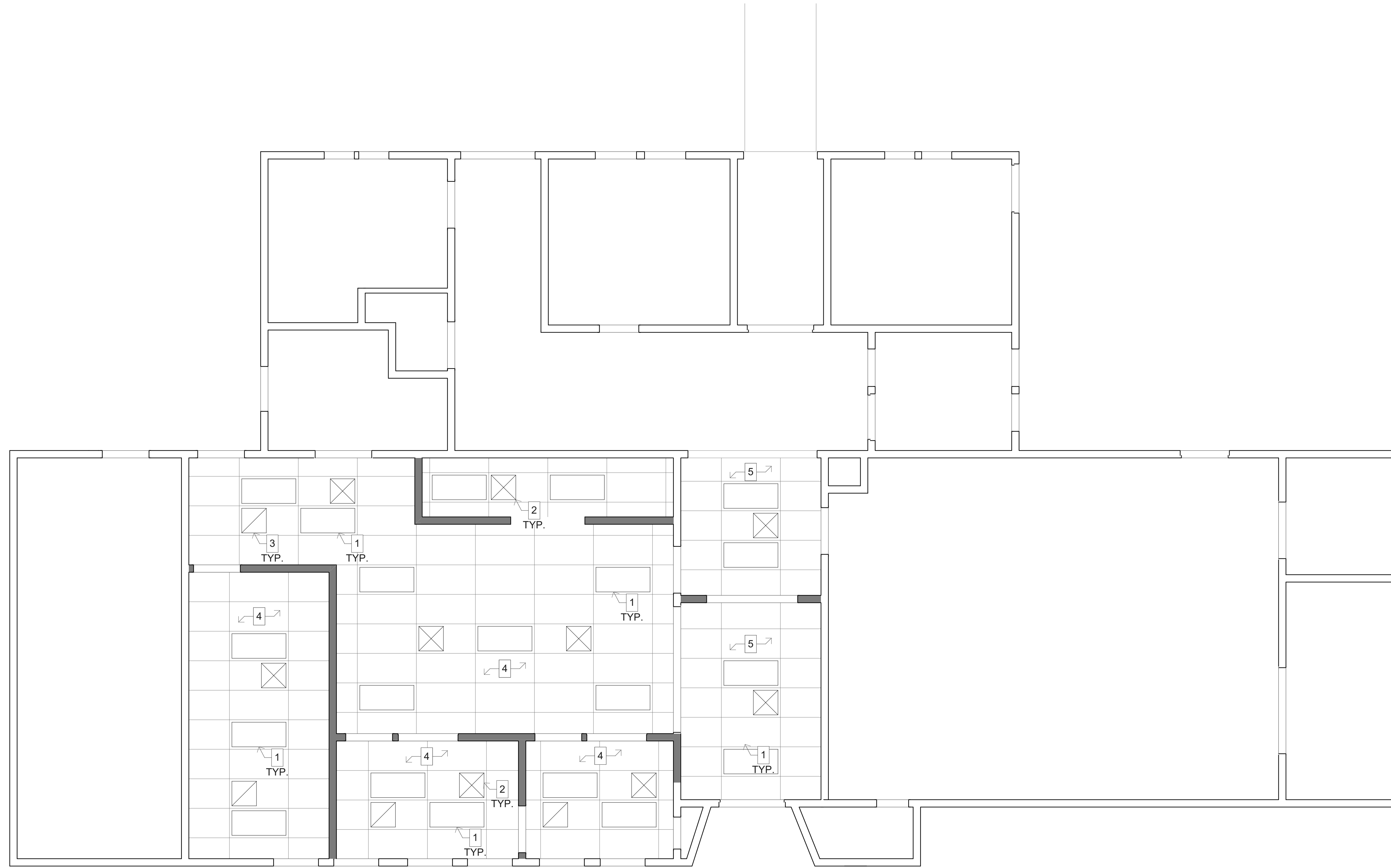
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SHEET TITLE

DEMO REFLECTED
CEILING PLAN

A-701

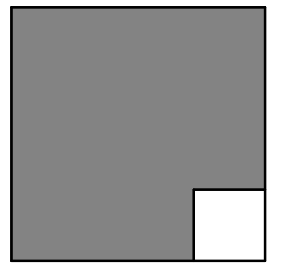


1 NEW REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"

KEYNOTES

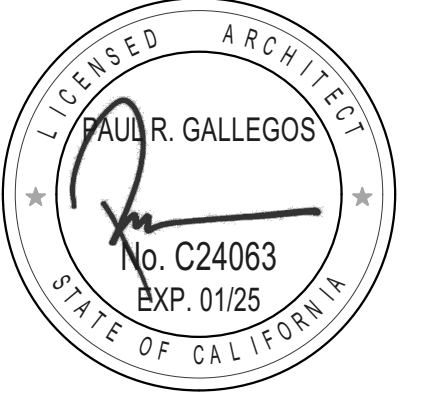
1. NEW LIGHTS. REFER TO ELECTRICAL DRAWINGS.
2. NEW SUPPLY REGISTER. RE-ROUTE FLEXIBLE DUCT TO NEW LOCATION.
3. NEW RETURN AIR GRILL. RE-ROUTE FLEXIBLE DUCT TO NEW LOCATION.
4. NEW SUSPENDED CEILING AT 10'-9" A.F.F.
5. NEW SUSPENDED CEILING AT 9'-6" A.F.F.

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GENERAL NOTES

1. SEE SHEETS A-703 & A-704 FOR TYPICAL SUSPENDED ACOUSTICAL CEILING NOTES AND DETAILS.
2. REFER TO THE FINISH SCHEDULE AND THE SPECIFICATIONS FOR LOCATIONS AND DESCRIPTION OF VARIOUS ACOUSTICAL CEILING TYPES.
3. REFERENCE DETAIL 2.12/ A-703 FOR TYPICAL SUSPENDED CEILING LAYOUT.
4. REFERENCE DETAIL 2.60/ A-703 FOR PERIMETER ANGLE ATTACHEMENT.
5. REFERENCE DETAIL 2.80/ A-703 FOR LIGHT FIXTURE ATTACHEMENT.
6. REFERENCE DETAIL 4.10 & 4.11/ A-703 FOR HANGER WIRE ATTACHEMENT.
7. PROVIDE ACCESS PANELS WITHIN GYPSUM BOARD CEILING AS REQUIRED TO ACCESS CONCEALED EQUIPMENT. CONFIRM FINAL LOCATION AND SIZE WITH ARCHITECT. REFER TO SPECIFICATIONS.
8. ALL CEILING HEIGHTS MEASURED FROM FINISH FLOOR OF THEIR RESPECTIVE FLOOR.
9. AN ATTIC ACCESS OPENING NOT LESS THAN 20 INCHES BY 30 INCHES SHALL BE PROVIDED TO ANY ATTIC AREA HAVING A CLEAR HEIGHT OF OVER 30 INCHES. CLEAR HEADROOM OF NOT LESS THAN 30 INCHES SHALL BE PROVIDED IN THE ATTIC SPACE AT OR ABOVE THE ACCESS OPENING.

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NEW REFLECTED
CEILING PLAN

A-702

1. CEILING SYSTEM GENERAL NOTES:

- Ceiling system components shall comply with ASTM C635-07 and Section 5.1 of ASTM E580-10a.
- The ceiling grid system must be rated heavy duty as defined by ASTM C635-08.
- Ceiling systems, The following ceiling system(s) is/are part of the scope of this project. **[For each system used, the RDP shall indicate in the construction documents, the information that follows]**
 - Manufacturer's Name: **ARMSTRONG WORLD INDUSTRIES INC.**
 - Product Evaluation Report Type and Number: **ICC-ES ESR 1308.**
 - Manufacturer's Model Number - main runner: **ARMSTRONG PRELUDE XL 15/16" ITEM NO. 7301.**
 - Manufacturer's catalog number - cross runner: **ARMSTRONG PRELUDE 15/16" ITEM NO. 7341.**
- Seismic Wall Clip: **[RDP to specify if used]**
 - Manufacturer's Model: **NOT APPLICABLE**
- Ceiling panels shall not support any light fixtures, air terminals or devices.
- For ceiling installations utilizing acoustical tile panels of mineral or glass fiber, it is not mandatory to provide 1/4" clearance between the acoustical tile panels and the wall on the sides of the ceiling which are free to slip. For all other ceiling panel types, provide 1/4" clearance between the ceiling panel and the wall on the sides of the ceiling free to slip.

2. MATERIALS:

- Ceiling wire shall be Class 1 zinc coated (galvanized) carbon steel conforming to ASTM A641-09a. Wire shall be #12 gage (0.106" diameter) with soft temper and minimum tensile strength = 70 ksi.
- Galvanized sheet steel (including that used for metal stud and track compression struts/rods) shall conform to ASTM A653-11, or other equivalent sheet steel listed in Section A2.1 of the North American Specification for the Design of Cold-Formed Steel Structural Members 2007, including supplement 2 dated 2010 (AISI S100-07/52-10). Material 43 mil (18 gage) and lighter shall have minimum yield strength of 33 ksi. Material 54 mil (16 gage) and heavier shall have a minimum yield strength of 50 ksi.
- Electrical metallic tube (EMT) shall be ANSI C80.3/JUL 797 carbon steel with G90 galvanizing. EMT shall have minimum yield strength (Fy) of 30 ksi and minimum ultimate strength (Fu) of 48 ksi.

Basic Document: **DSA IR 25-2.13** Sheet No: _____
 Sheet Title: **Ceiling Notes** rev. 09-21-15 1.00

3. ATTACHMENT OF HANGER AND BRACING WIRES:

- Separate all ceiling hanger and bracing wires at least six (6) inches from all unbraced ducts, pipes, conduit, etc.
- Hanger and bracing wires shall not attach to or bend around obstructions including but not limited to: piping, ductwork, conduit and equipment.
- Hanger wires that are more than one (horizontal) in six (vertical) out of plumb shall have counter-sloping wires.
- Slack safety wires shall be considered hanger wires for installation and testing requirements.
- Hanger and bracing wire anchorage to the structure shall be installed in such a manner that the direction of the anchorage aligns closely with the direction of the wire. (e.g. bracing wire ceiling clips must be bent as shown in the details and related as required to align closely with the direction of the wire, screw eyes in wood must be installed so they align closely with the direction of the wire, etc.)

4. FASTENERS AND WELDING:

- Sheet metal screws shall comply with ASTM C153-10, ASME B18.6.4-89 (R2005). Penetration of screws through joined material shall not be less than three exposed threads.
- Expansion anchors shall be: **NOT APPLICABLE**
- Power-Actuated Fasteners shall be: **NOT APPLICABLE**
- If not otherwise specified in the evaluation report, power-actuated fasteners installed in steel shall be installed so the entire pointed end of the fastener is driven through the steel member.
- Power-actuated fasteners in concrete are not permitted for bracing wires.
- Concrete reinforcement and prestressing tendons shall be located by non-destructive means prior to installing post-installed anchors.
- Welding shall be in accordance with AWS D1.3 using E60XX series electrodes.

5. TESTING: All field testing must be performed in the presence of the project inspector.

- Post-installed anchors in concrete used to support hanger wires shall be tested at a frequency of 10 percent. Power actuated fasteners in concrete shall be field tested for 200 lbs. in tension. All other post-installed anchors in concrete shall be tested in accordance with CBC Section 1913A.7.
- Post-installed anchors in concrete used to attach bracing wires shall be tested at a frequency of 50 percent in accordance with CBC Section 1913A.7.

Basic Document: **DSA IR 25-2.13** Sheet No: _____
 Sheet Title: **Ceiling Notes** rev. 09-21-15 1.01

6. LIGHT FIXTURES:

- All light fixtures shall be positively attached to the ceiling suspension systems by mechanical means to resist a horizontal force equal to the weight of the fixture. A minimum of two screws or approved fasteners are required at each light fixture, per ASTM E580, Section 5.3.3.1.
- Surface-mounted light fixtures shall be attached to the main runner with at least two positive clamping devices. The clamping device shall completely surround the supporting ceiling runner and be made of steel with a minimum thickness of #14 gage. Rotational spring catches do not comply. A #12 gage slack safety wire shall be connected from each clamping device to the structure above. Provide additional supports when light fixtures are eight (8) feet or longer or exceed 56 lbs. Maximum spacing between supports shall not exceed eight (8) feet.
- Light fixtures weighing less than or equal to 10 lb. shall have a minimum of one (1) #12 gage slack safety wire connected from the fixture housing to the structure above.
- Light fixtures weighing less than or equal to 10 lb. shall have a minimum of one (1) #12 gage slack safety wire connected from the fixture housing to the structure above.
- Light fixtures weighing greater than 10 lb. but less than or equal to 56 lbs. may be supported directly on the ceiling runners, but they shall have a minimum of two (2) #12 gage slack safety wires connected from the fixture housing to the structure above. Exception: All light fixtures greater than two by four feet weighing less than 56 lbs. shall have a #12 gage slack safety wire at each corner.
- All light fixtures weighing greater than 56 lb. shall be independently supported by not less than four (4) #12 gage hanger wires (one at each corner) attached from the fixture housing to the structure above or other approved hangers. The four (4) #12 gage wires or other approved hangers, including their attachment to the structure above, shall be capable of supporting four (4) times the weight of the fixture.

7. SERVICES WITHIN THE CEILING:

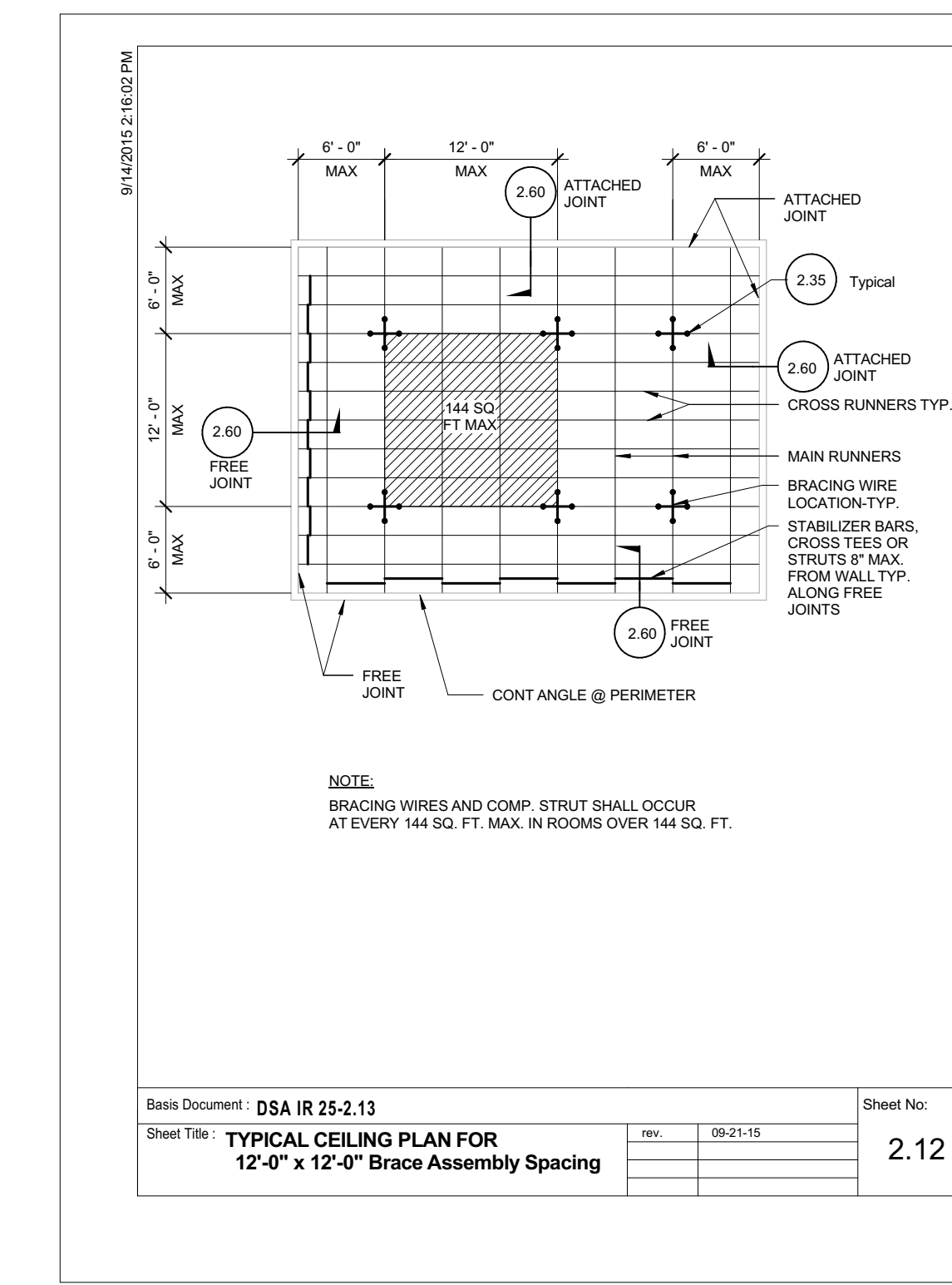
- All flexible sprinkler hose fitting mounting brackets, ceiling-mounted air terminals or other services shall be positively attached to the ceiling suspension systems by mechanical means. Screws or approved fasteners are required. A minimum of two attachments are required at each component.
- Ceiling-mounted air terminals or other services weighing less than or equal to 20 lb. shall have one (1) #12 gage slack safety wire attached from the terminal or service to the structure above.
- Flexible sprinkler hose fittings, ceiling-mounted air terminals or other services weighing more than 20 lb. but less than or equal to 56 lb. shall have two (2) #12 gage slack safety wires (at diagonal corners) connected from the terminal or service to the structure above.
- Flexible sprinkler hose fittings, ceiling-mounted air terminals or other services weighing more than 56 lb. shall be supported directly from the structure above or by not less than four (4) #12 gage hanger wires attached from the terminal or service to the structure above or other approved hangers.

Basic Document: **DSA IR 25-2.13** Sheet No: _____
 Sheet Title: **Ceiling Notes** rev. 09-21-15 1.02

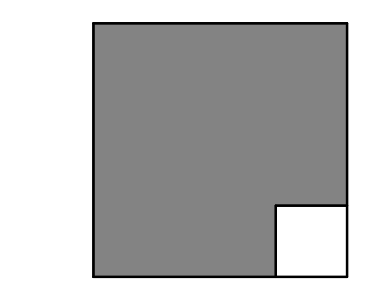
8. OTHER DEVICES WITHIN THE CEILING:

- All lightweight miscellaneous devices, such as strobe lights, occupancy sensors, speakers, exit signs, etc., shall be attached to the ceiling grid. In addition, devices weighing more than 10 lbs. shall have a #12 gage slack safety wire anchored to the structure above. Devices weighing more than 20 lb. shall be supported independently from the structure above.

Basic Document: **DSA IR 25-2.13** Sheet No: _____
 Sheet Title: **Ceiling Notes** rev. 09-21-15 1.03

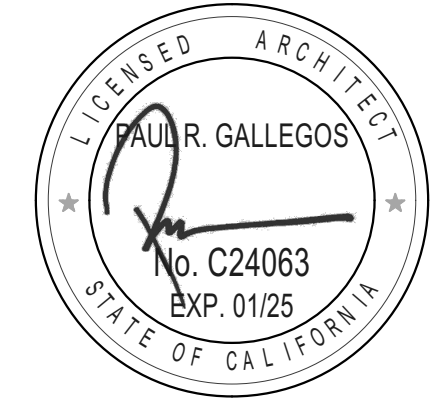


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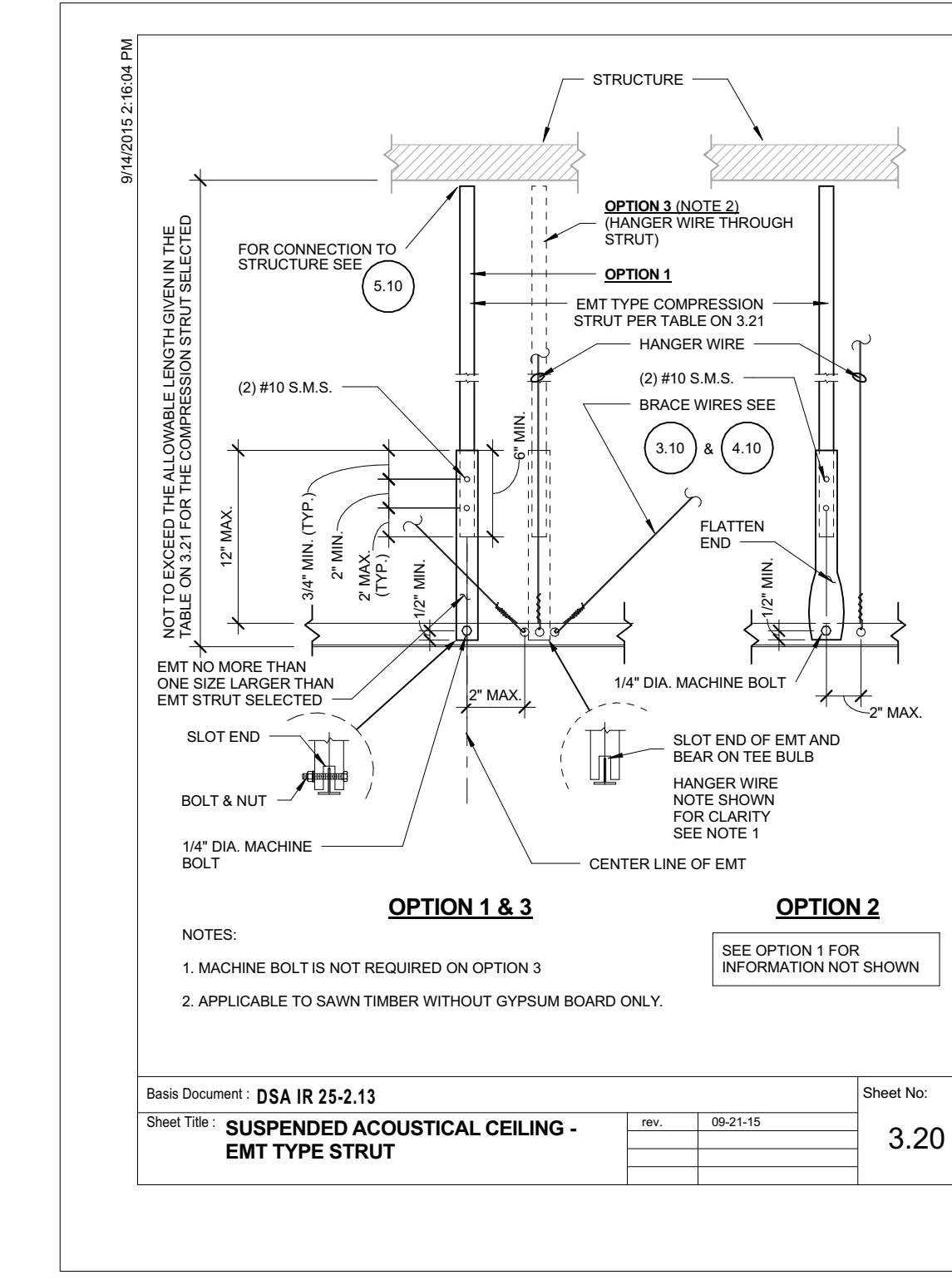
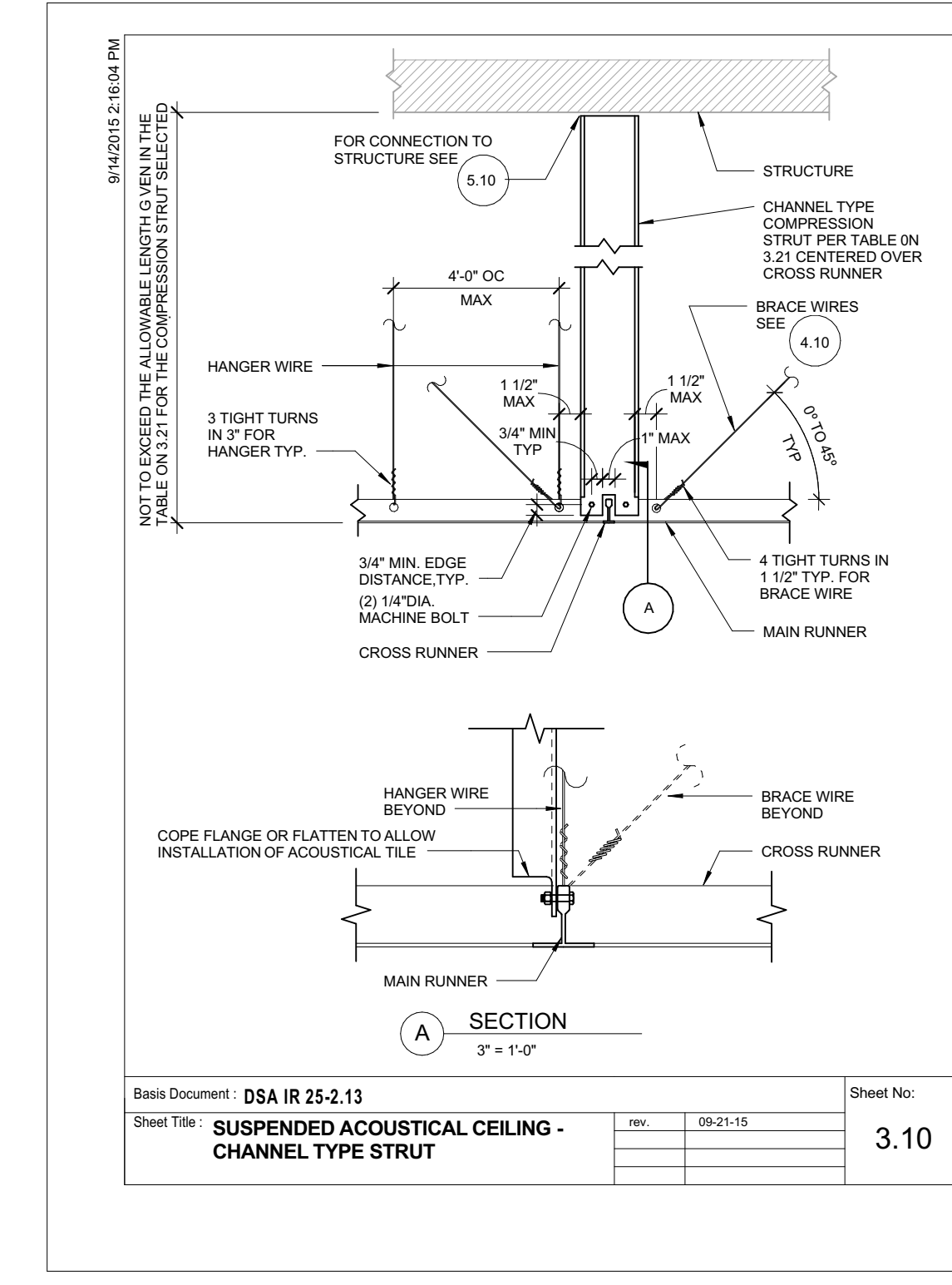
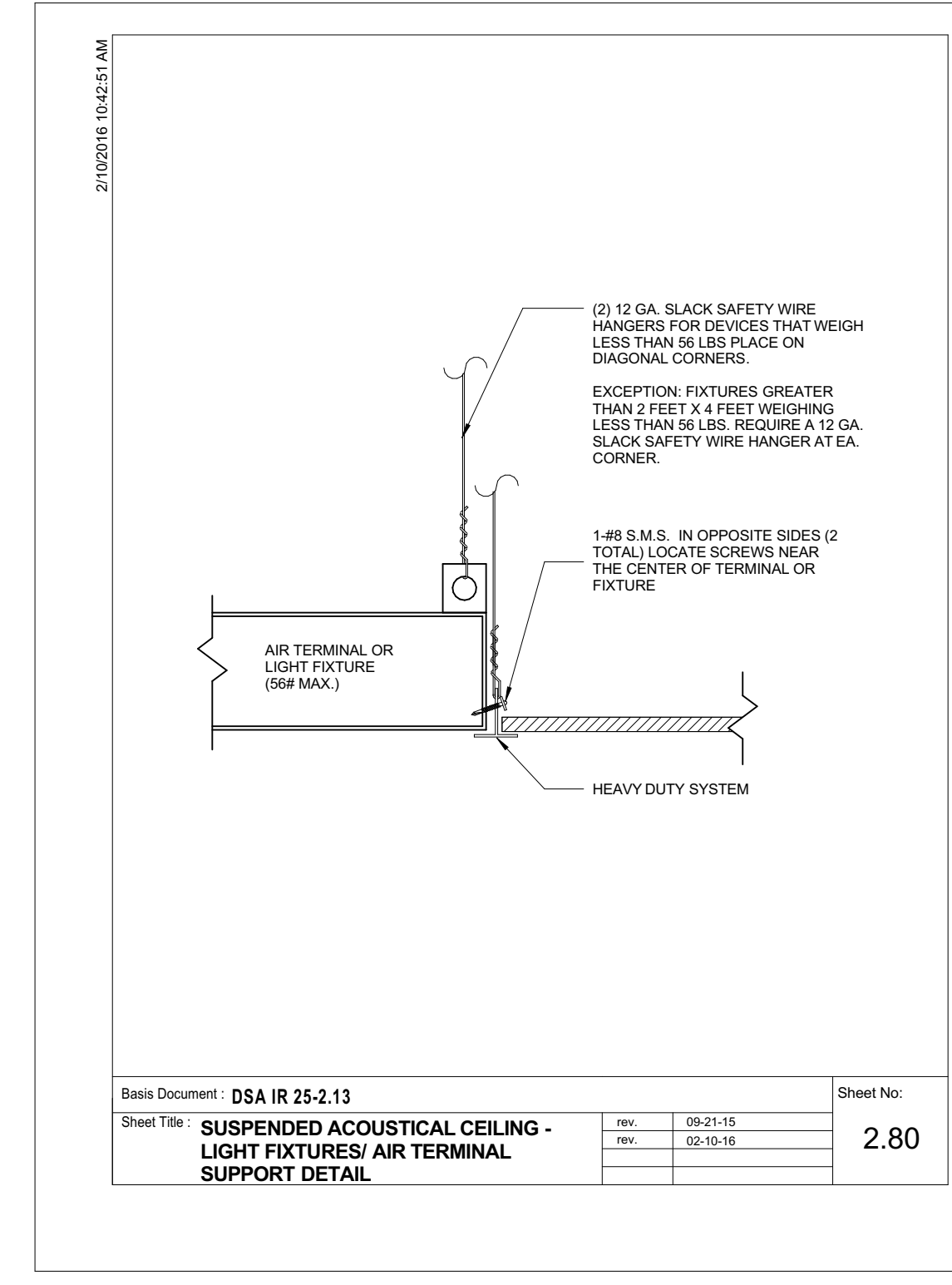
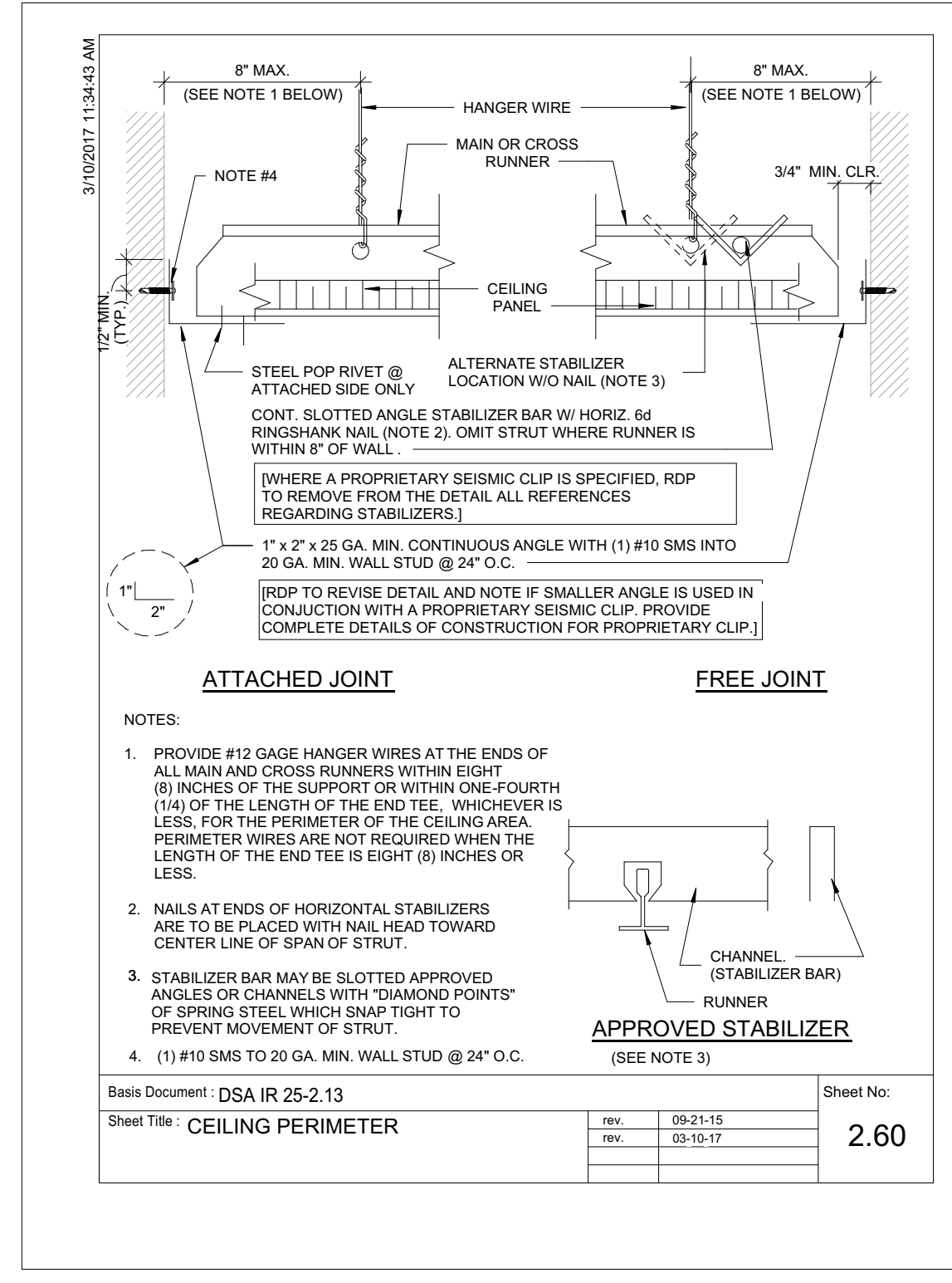
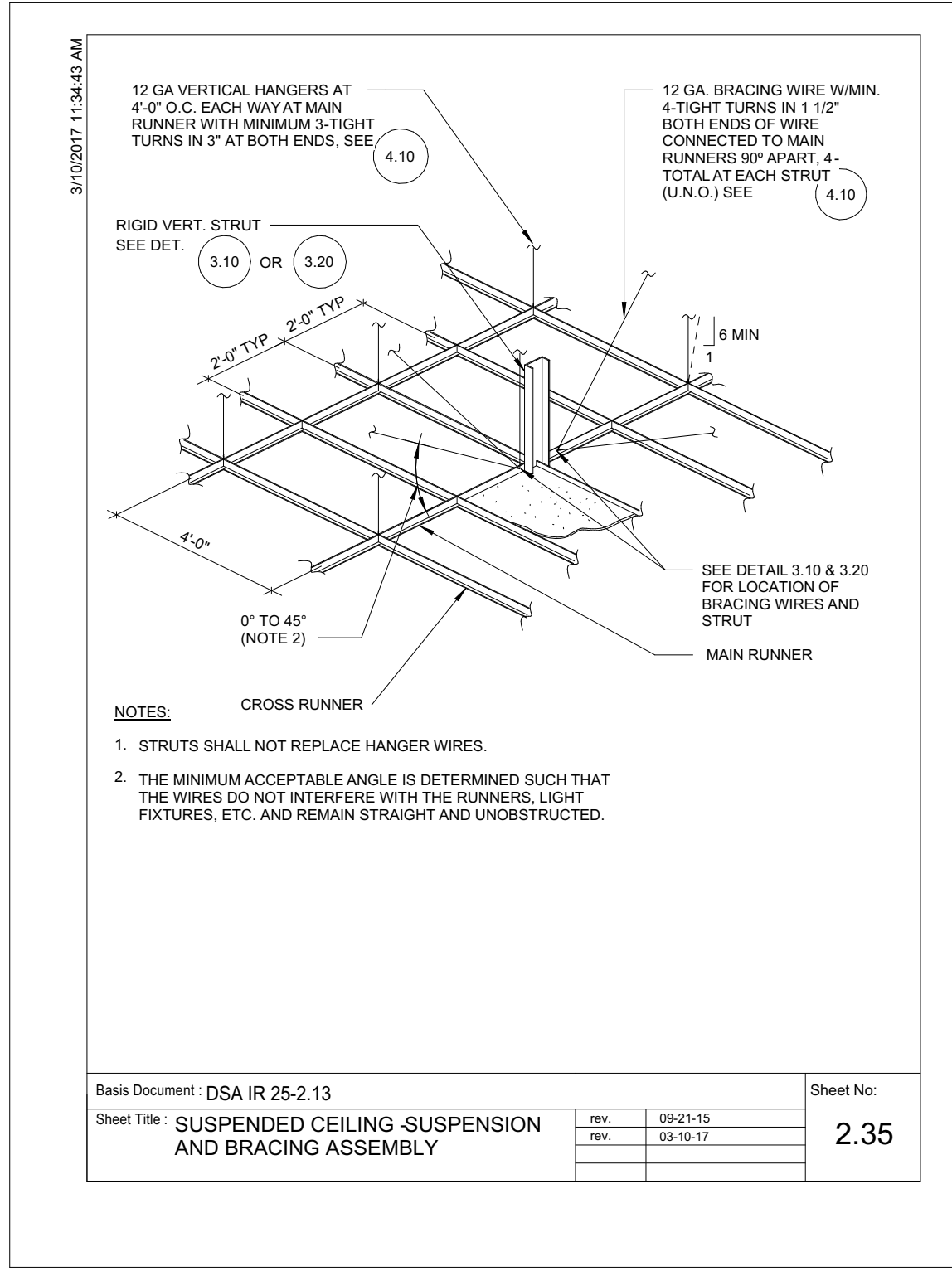


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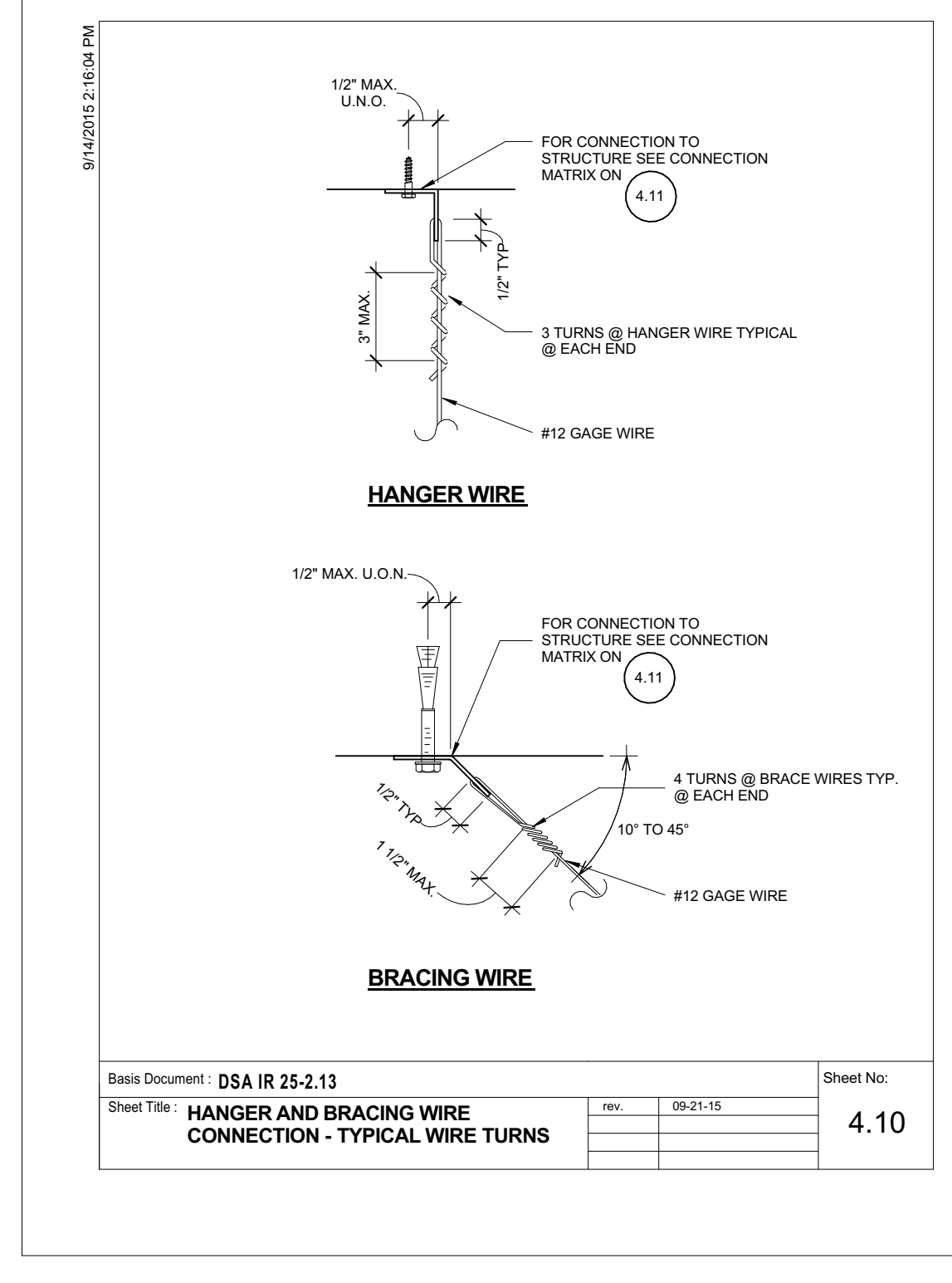


COMPRESSION STRUT TABLE

EMT COMPRESSION STRUT	MAXIMUM LENGTH
1/2" DIAMETER EMT (0.042" WALL THICKNESS)	3'-11"
3/4" DIAMETER EMT (0.049" WALL THICKNESS)	6'-4"
1" DIAMETER EMT (0.057" WALL THICKNESS)	9'-0"
1 1/4" DIAMETER EMT (0.065" WALL THICKNESS)	12'-0"
1 1/2" DIAMETER EMT (0.065" WALL THICKNESS)	14'-0"
2" DIAMETER EMT (0.065" WALL THICKNESS)	18'-10"

CHANNEL COMPRESSION STRUT	MAXIMUM LENGTH
250B125-33	5'-0"
250B137-33	6'-10"
362S137-33	8'-0"
250I137-43	8'-0"
400S137-43	10'-10"

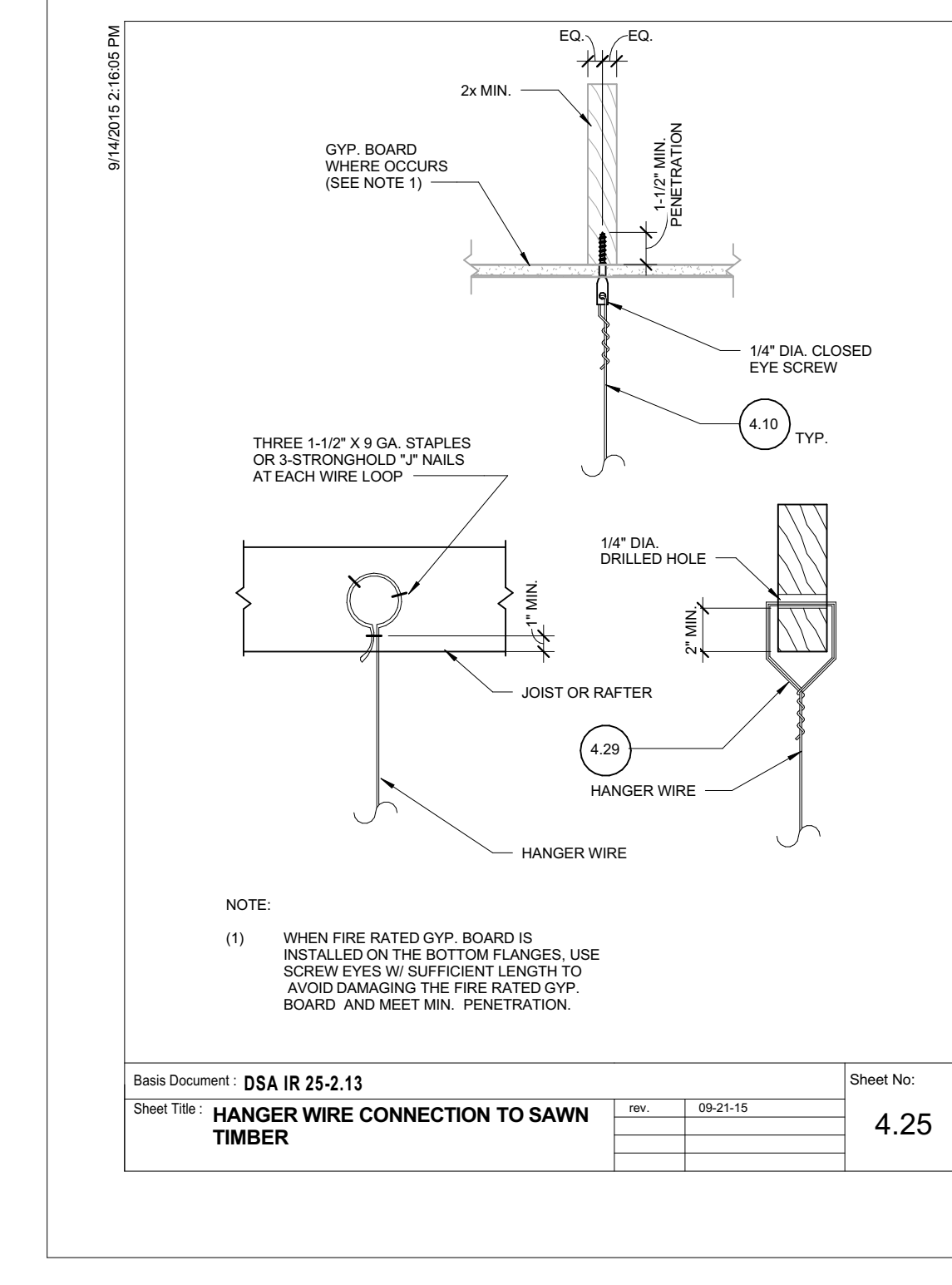
Basic Document: **DSA IR 25-2.13** Sheet No: _____
 Sheet Title: **COMPRESSION STRUT TABLE** rev. 09-21-15 3.21



STRUCTURAL CONDITION OF FLOOR/ROOF ABOVE SUSPENDED CEILING

STRUCTURAL CONDITION OF FLOOR/ROOF ABOVE SUSPENDED CEILING	APPLICABLE HANGER WIRE DETAIL	APPLICABLE BRACING WIRE DETAIL
SAWY TIMBER	4.25, 4.29	4.35

Basic Document: **DSA IR 25-2.13** Sheet No: _____
 Sheet Title: **HANGER AND BRACING WIRE CONNECTION MATRIX** rev. 09-21-15 4.11



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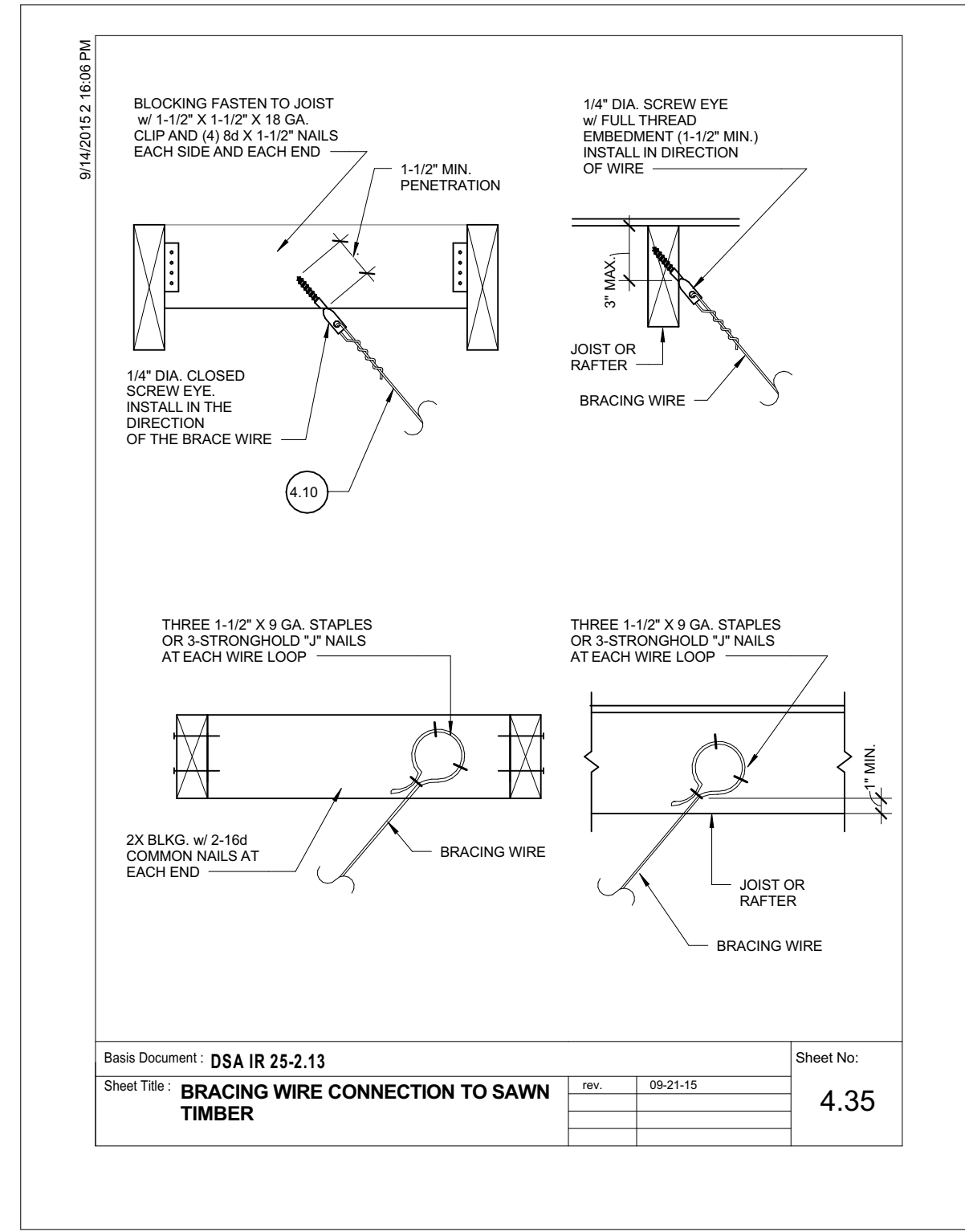
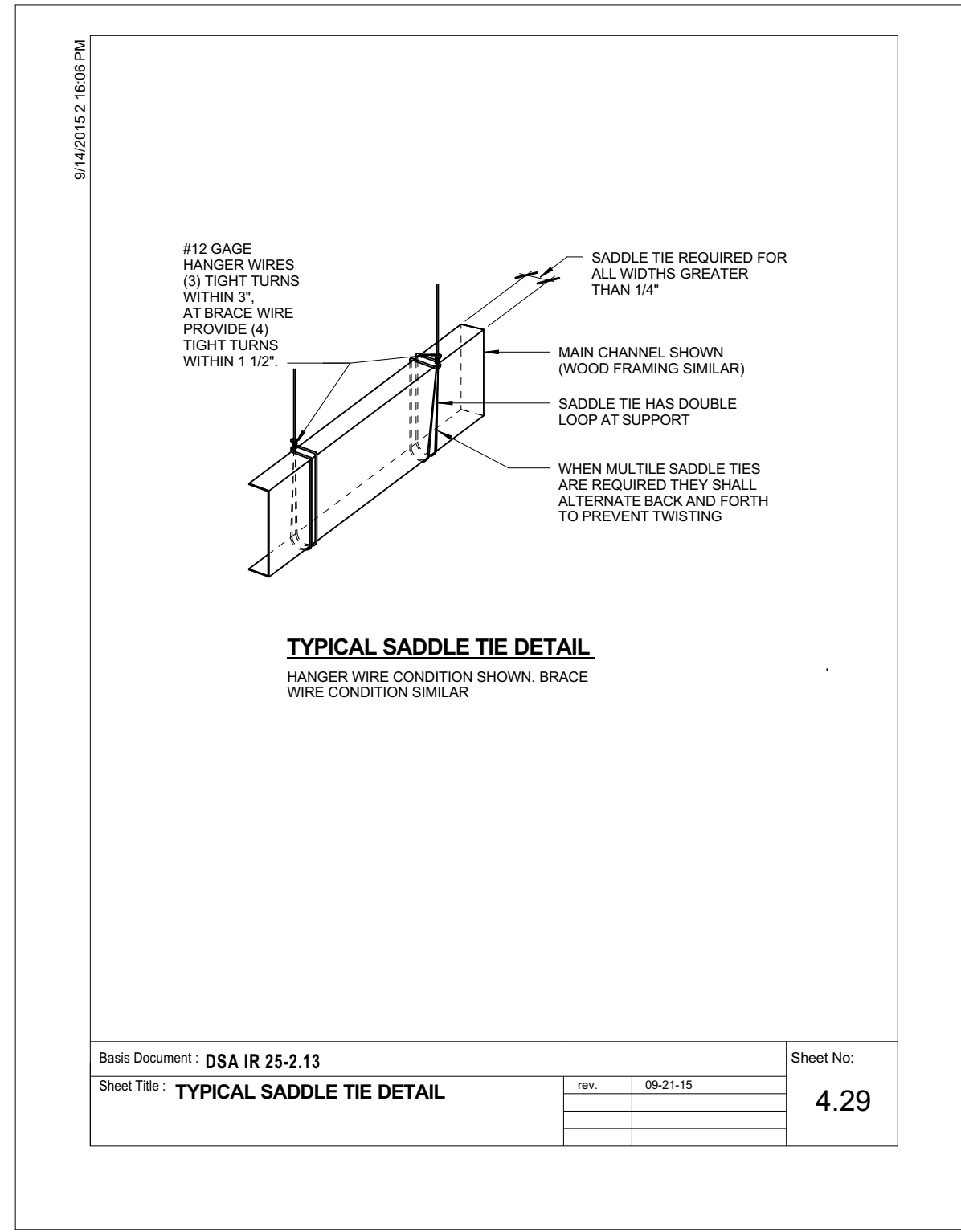
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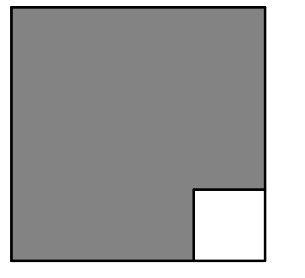
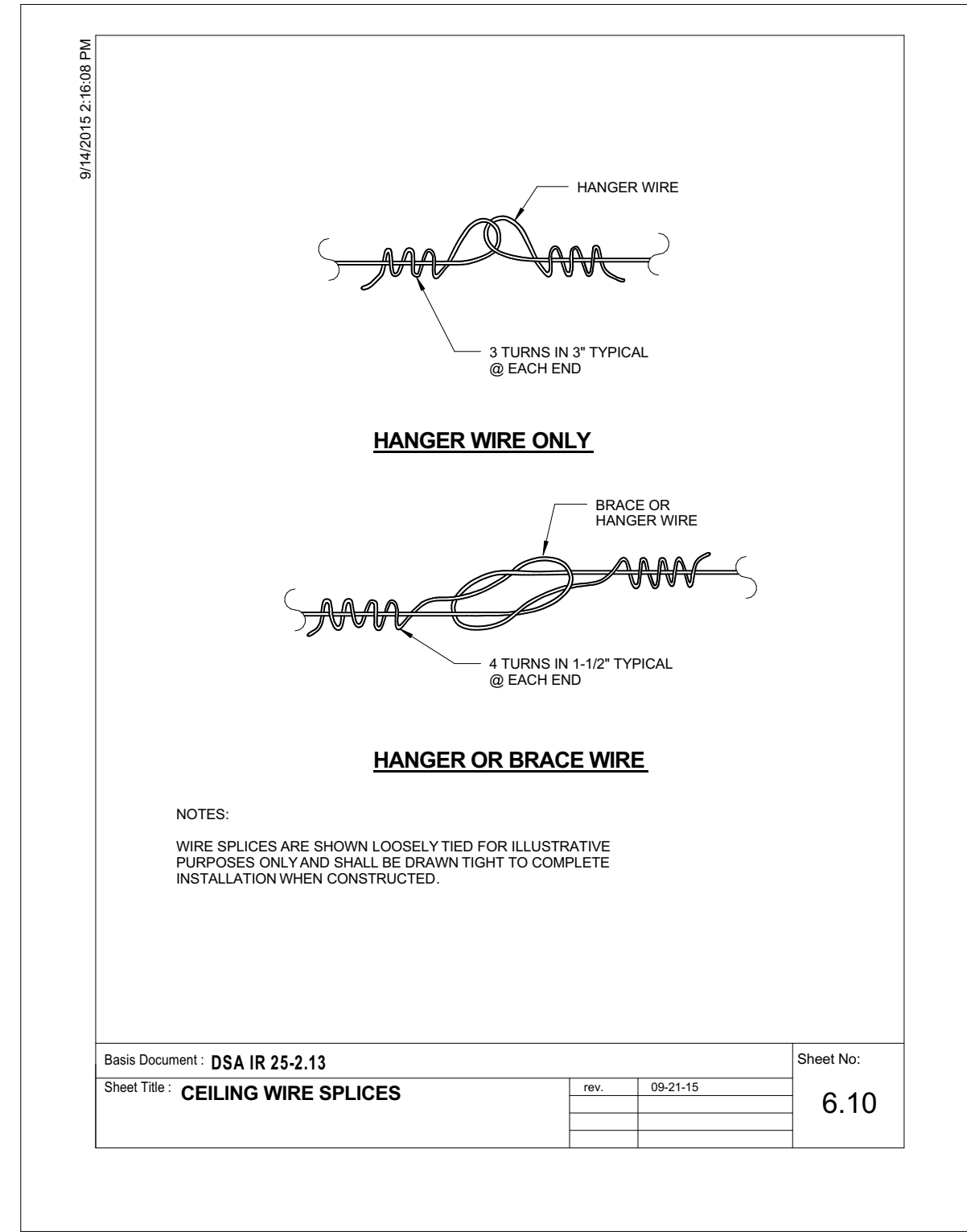
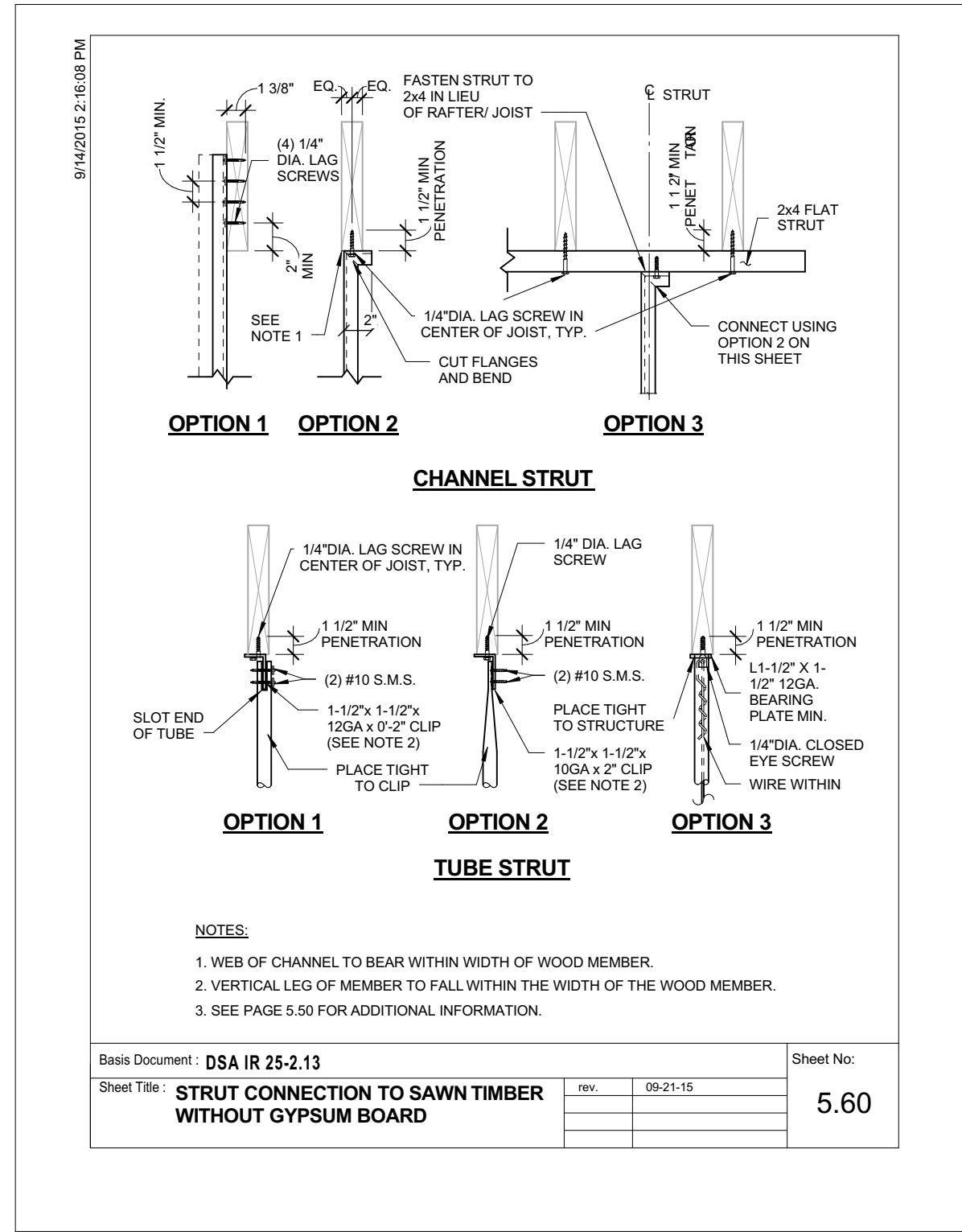
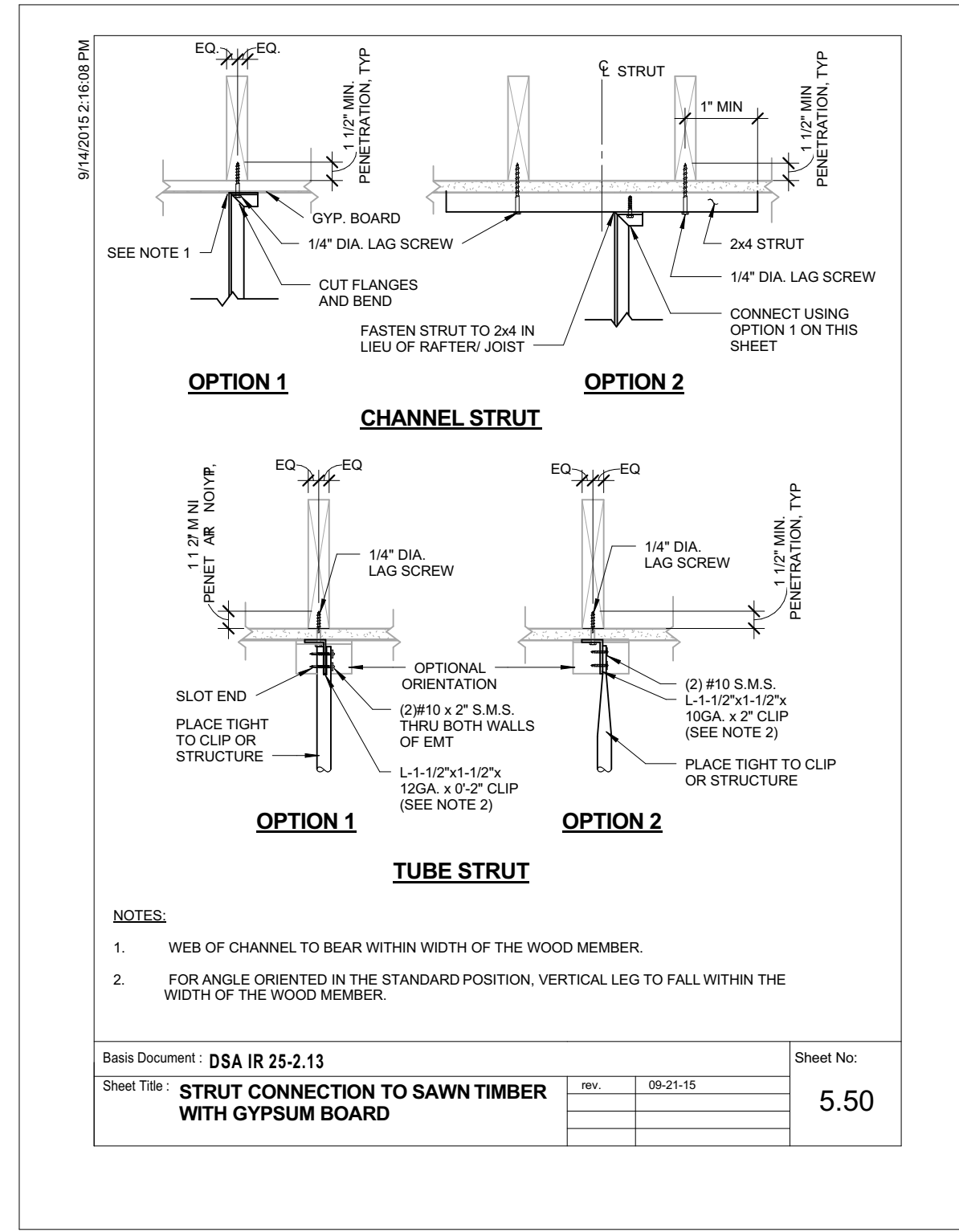
RCP DETAILS

A-703



Base Document: DSA IR 25-2.13
Sheet Title: COMPRESSION STRUT CONNECTION TO STRUCTURE - CONNECTION MATRIX
Rev: 09-21-15
Sheet No: 5.10

STRUCTURAL CONDITION OF FLOOR, ROOF ABOVE	APPLICABLE DETAIL
SAWN TIMBER WITH GYPSUM BOARD	5.50
SAWN TIMBER WITHOUT GYPSUM BOARD	5.60



REVISIONS		
MARK	DATE	DESCRIPTION

PROJECT NO: 23-027
MODEL FILE:
23-027 MEUSD Descanso ES_DRAFT_23-06-28.pln

PLOT DATE:
8/17/2023

SHEET TITLE

RCP DETAILS

FINISH SCHEDULE									
ROOM		FLOOR	BASE	WALLS				CEILING	
NAME	NUMBER			ELEV. 1	ELEV. 2	ELEV. 3	ELEV. 4	MAT	HEIGHT
ENTRY	101	F1	B1	FN1	FN1	FN1	FN1	2x4 ACOUSTICAL	9'-6"
HALL	102	F1	B1	FN1	FN1	FN1	FN1	2x4 ACOUSTICAL	9'-6"
ADMIN	103	F1	B1	FN1	FN1	FN1	FN1	2x4 ACOUSTICAL	10'-9"
HEALTH	104	F1	B1	FN1	FN1	FN1	FN1	2x4 ACOUSTICAL	10'-9"
OFFICE	105	F1	B1	FN1	FN1	FN1	FN1	2x4 ACOUSTICAL	10'-9"
OFFICE	106	F1	B1	FN1	FN1	FN1	FN1	2x4 ACOUSTICAL	10'-9"
OFFICE	107	F1	B1	FN1	FN1	FN1	FN1	2x4 ACOUSTICAL	10'-9"
STORAGE	108	F1	B1	FN1	FN1	FN1	FN1	2x4 ACOUSTICAL	10'-9"

1 FINISH SCHEDULE
SCALE: 1" = 1'-0"

ROOM FINISH LEGEND				
FLOOR	F1	CARPET - DISTRICT STANDARD	W1	GYPSUM DRYWALL - 5/8"
	C1	ACOUSTICAL TILE CEILING (2X4)	B1	4" RUBBER WALL BASE - DISTRICT STANDARD
CEILING	FN1	PAINTED - DISTRICT STANDARD		

DOOR SCHEDULE													
ROOM NUMBER	ROOM NAME	DOOR ID	DOOR TYPE	NOMINAL WIDTH	NOMINAL HEIGHT	LEAF THICKNESS	DOOR MATERIAL	DOOR FRAME MATERIAL	DETAIL		HDWR. SET	FIRE	
									HEAD	JAMB			
101	ENTRY	D102	B	3'-0"	6'-8"	1-3/4"	SC WOOD	HM	4 / A-204	3 / A-204	2	Unrated	
101	ENTRY	D101	A	3'-0"	6'-8"	1-3/4"	HM	HM	2 / A-204	1 / A-204	1	Unrated	
102	HALL	D103	C	(E) 3'-0"	(E) 6'-8"	(E) 1-3/4"	SC WOOD	HM	4 / A-204	3 / A-204	EXIST.	Unrated	
103	ADMIN	D108	C	(E) 3'-0"	(E) 6'-8"	(E) 1-3/4"	HM	HM	2 / A-204	1 / A-204	EXIST.	Unrated	
105	OFFICE	D104	C	3'-0"	6'-8"	1-3/4"	SC WOOD	HM	4 / A-204	3 / A-204	3	Unrated	
105	OFFICE	D105	C	3'-0"	6'-8"	1-3/4"	SC WOOD	HM	4 / A-204	3 / A-204	3	Unrated	
106	OFFICE	D106	C	3'-0"	6'-8"	1-3/4"	SC WOOD	HM	4 / A-204	3 / A-204	3	Unrated	
107	OFFICE	D107	C	3'-0"	6'-8"	1-3/4"	SC WOOD	HM	4 / A-204	3 / A-204	3	Unrated	

2 DOOR SCHEDULE
SCALE: 1" = 1'-0"

DOOR LEGEND								
View from Opening Side								
Element ID	D101	D102	D103	D104	D105	D106	D107	D108
Door Type	A	B	C	C	C	C	C	C
Quantity	1	1	1	1	1	1	1	1

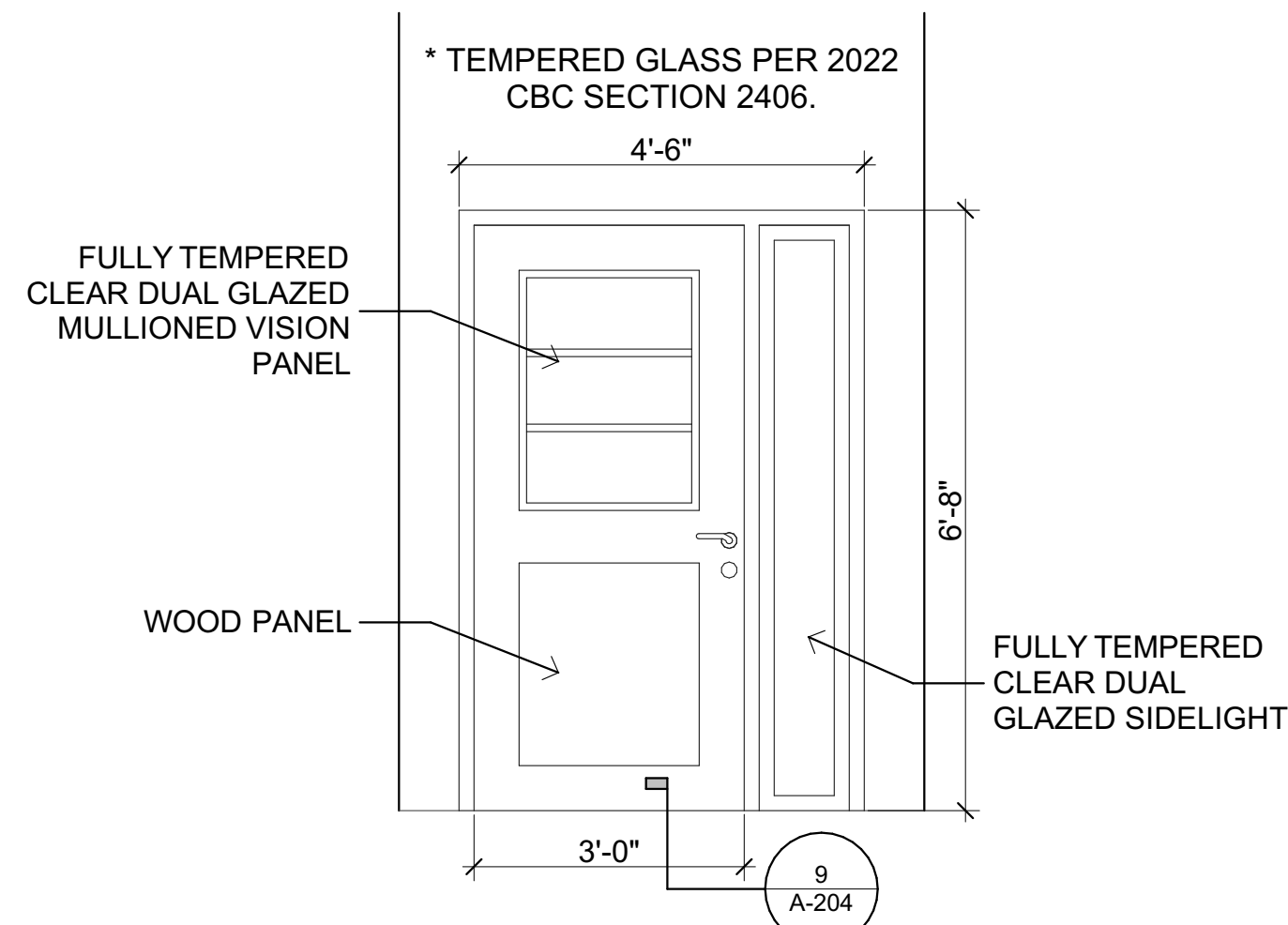
3 DOOR LEGEND
SCALE: 1" = 1'-0"

WINDOW LEGEND			
WINDOW ELEVATION	WINDOW ID	QUANTITY	NOMINAL SIZE (W X H)
	W101	1	4'-0" x 4'-0"
	W102	1	4'-0" x 4'-0"

4 WINDOW TYPES LEGEND
SCALE: 1" = 1'-0"

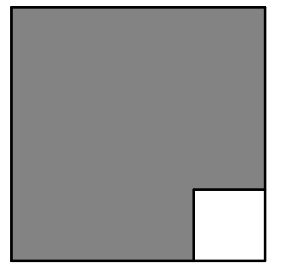
GENERAL DOOR NOTES

- "LABEL" SHALL MEAN "FIRE DOOR ASSEMBLY" AS DEFINED IN 2022 C.B.C., SECTION 716.5. FIRE DOORS SHALL BE LABELED IN ACCORDANCE WITH CBC SECTION 716.5.7. FIRE DOOR FRAMES SHALL BE LABELED IN ACCORDANCE WITH CBC SECTION 716.5.7.
- ALL RATED DOORS TO BE POSITIVE LATCHING.
- ALL EXTERIOR DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF SPECIAL TOOLS, KNOWLEDGE, OR EFFORT.
- HARDWARE SHALL BE LEVER TYPE WITH A RETURN TO WITHIN 1/2" OF THE DOOR.
- THE ARCHITECT AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING REQUIRED DOOR AND FRAME DIMENSIONS AND HARDWARE MOUNTING HEIGHTS IN FIELD PRIOR TO ORDERING AND INSTALLING NEW MATERIAL.
- ALL HARDWARE INDICATED IN SCHEDULE SHALL BE PROVIDED FOR DOORS. HARDWARE SHALL MEET THE REQUIREMENTS OF CBC 11B-404.2.7.
- DOOR JAMB AND HEAD CONDITIONS ARE DETAILED FOR THE MOST TYPICAL CONDITION. SIMILAR CONDITIONS MAY OCCUR AND SHALL BE TREATED IN A SIMILAR MANNER.
- DOORS/DOORWAYS AS PART OF AN ACCESSIBLE ROUTE SHALL COMPLY WITH CBC SECTIONS 11B-404.
- THE CLEAR OPENING WIDTH FOR A DOOR SHALL BE 32" MINIMUM. FOR A SWINGING DOOR IT SHALL BE MEASURED BETWEEN THE FACE OF THE DOOR AND THE STOP, WITH THE DOOR OPEN 90 DEGREES. THERE SHALL BE NO PROJECTIONS INTO IT BELOW 34" AND 4" MAXIMUM PROJECTIONS INTO IT BETWEEN 34" AND 80" ABOVE THE FINISH FLOOR OR GROUND. CBC SECTION 11B-404.2.3
- HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERABLE PARTS ON ACCESSIBLE DOORS SHALL COMPLY WITH CBC SECTION 11B-309.4 AND SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. OPERABLE PARTS OF SUCH HARDWARE SHALL BE 34" MINIMUM AND 44" MAXIMUM ABOVE FINISH FLOOR OR GROUND. WHERE SLIDING DOORS ARE IN THE FULLY OPEN POSITION, OPERATING HARDWARE SHALL BE EXPOSED AND USABLE FROM BOTH SIDES. CBC SECTION 11B-404.2.7
- THE FORCE FOR PUSHING OR PULLING OPEN A DOOR SHALL BE AS FOLLOWS: CBC SECTION 11B-404.2.9
 - INTERIOR HINGED DOORS, SLIDING OR FOLDING DOORS, AND EXTERIOR HINGED DOORS: 5 POUNDS (22.2 N) MAXIMUM. REQUIRED FIRE DOORS: THE MINIMUM OPENING FORCE ALLOWABLE BY THE DSA AUTHORITY, NOT TO EXCEED 15 POUNDS (66.7 N). THESE FORCES DO NOT APPLY TO THE FORCE REQUIRED TO RETRACT LATCH BOLTS OR DISENGAGED OTHER DEVICES THAT HOLD THE DOOR IN A CLOSED POSITION.
 - THE FORCE REQUIRED FOR ACTIVATING ANY OPERABLE PARTS, SUCH AS LEVER HARDWARE, OR DISENGAGING OTHER DEVICES SHALL BE 5 POUNDS (22.2 N) MAXIMUM TO COMPLY WITH CBC SECTION 11B-309.4
- DOOR CLOSING SPEED SHALL BE AS FOLLOWS: CBC SECTION 11B-404.2.8
 - CLOSER SHALL BE ADJUSTED SO THAT THE REQUIRED TIME TO MOVE A DOOR FROM AN OPEN POSITION OF 90 DEGREES TO A POSITION OF 12 DEGREES FROM THE LATCH IS 5 SECONDS MINIMUM.
 - SPRING HINGES SHALL BE ADJUSTED SO THAT THE REQUIRED TIME TO MOVE A DOOR FROM AN OPEN POSITION OF 70 DEGREES TO THE CLOSED POSITION IS 1.5 SECONDS MINIMUM.
- THRESHOLDS SHALL COMPLY WITH CBC SECTION 11B-404.2.5
- FLOOR STOPS SHALL NOT BE LOCATED IN THE PATH OF TRAVEL AND 4" MAXIMUM FROM WALLS.
- ALL EMERGENCY EXIT AND PANIC HARDWARE SHALL COMPLY WITH SFM STANDARD 12-10-3, SECTION 12-10-302. 1) THE CROSS-BAR SHALL EXTEND ACROSS NOT LESS THAN ONE-HALF THE WIDTH OF THE DOOR/GATE AND 2) THE ENDS OF THE CROSS-BAR SHALL BE CURVED, GUARDED, OR OTHERWISE DESIGNED TO PREVENT CATCHING ON THE CLOTHING OF PERSONS DURING EGRESS.
- EXIT AND EXIT ACCESS DOORS FROM ROOMS HAVING AN OCCUPANT LOAD OF 50 OR MORE AND FROM CORRIDORS SHALL NOT BE PROVIDED WITH A LATCH OR LOCK UNLESS IT IS PANIC OR FIRE EXIT HARDWARE PER CBC 1010.1.10.



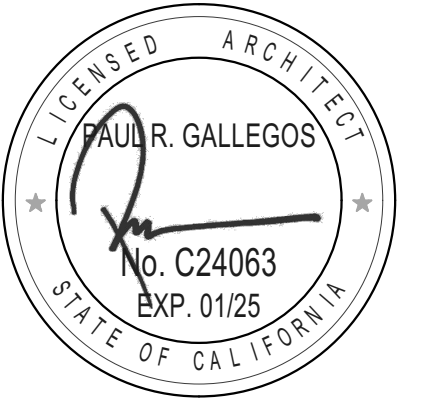
5 TYPE A DOOR ELEVATION
SCALE: 1/2" = 1'-0"

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REVISIONS		
MARK	DATE	DESCRIPTION

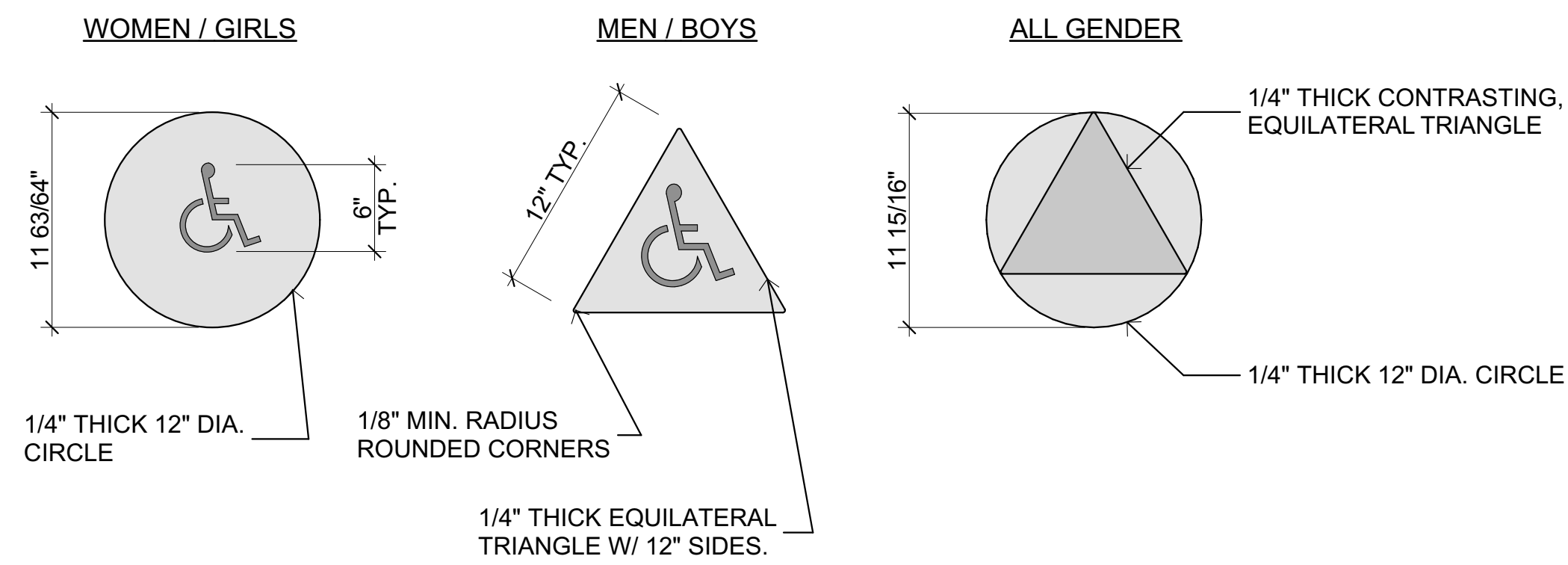
PROJECT NO: 23-027
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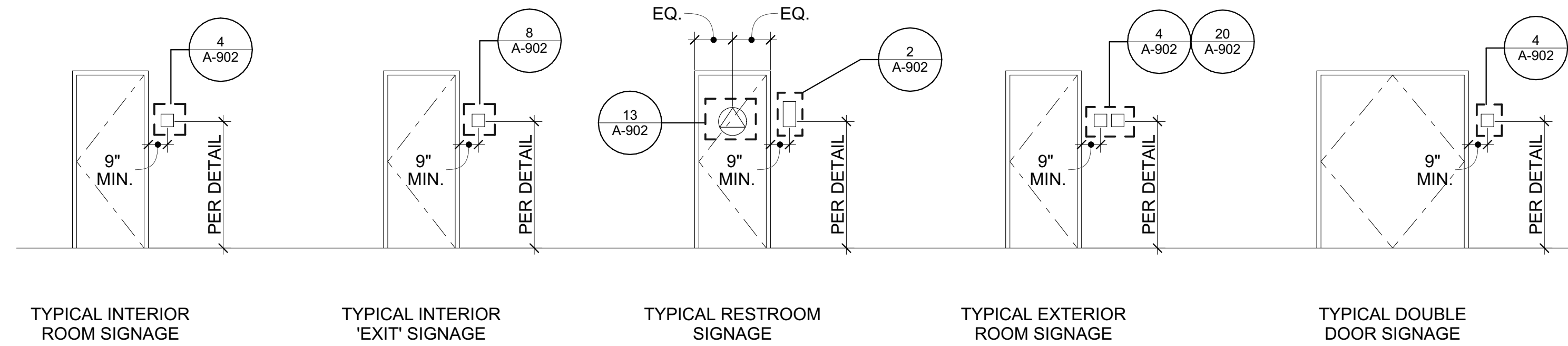
DOOR, WINDOW, FINISH SCHEDULES

A-901

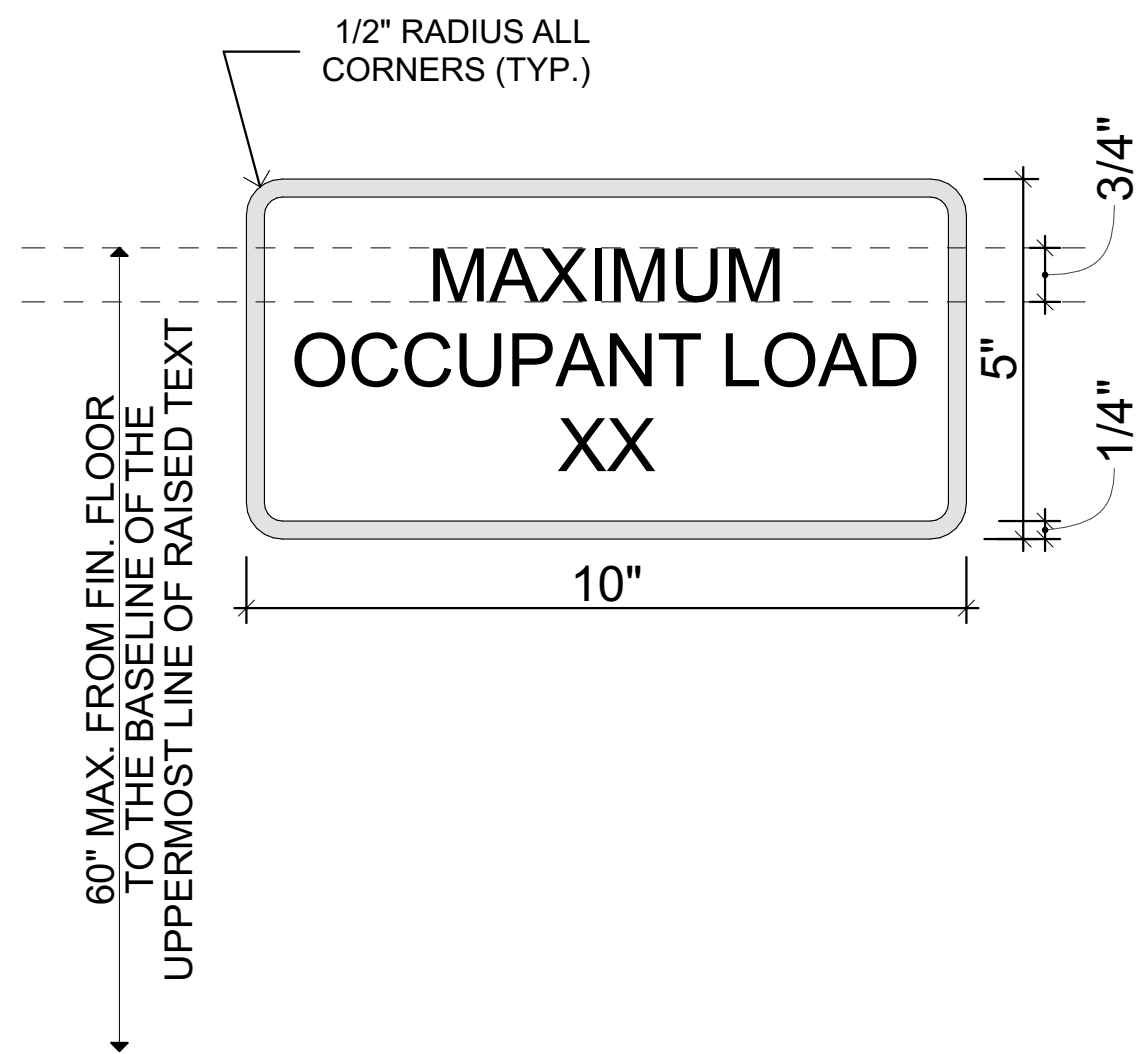


NOTE:
SYMBOLS SHALL BE DISTINCTLY DIFFERENT FROM THE DOOR IN COLOR AND CONTRAST.
SIGN SHALL BE CENTERED ON DOOR AND MOUNTED 60\"/>

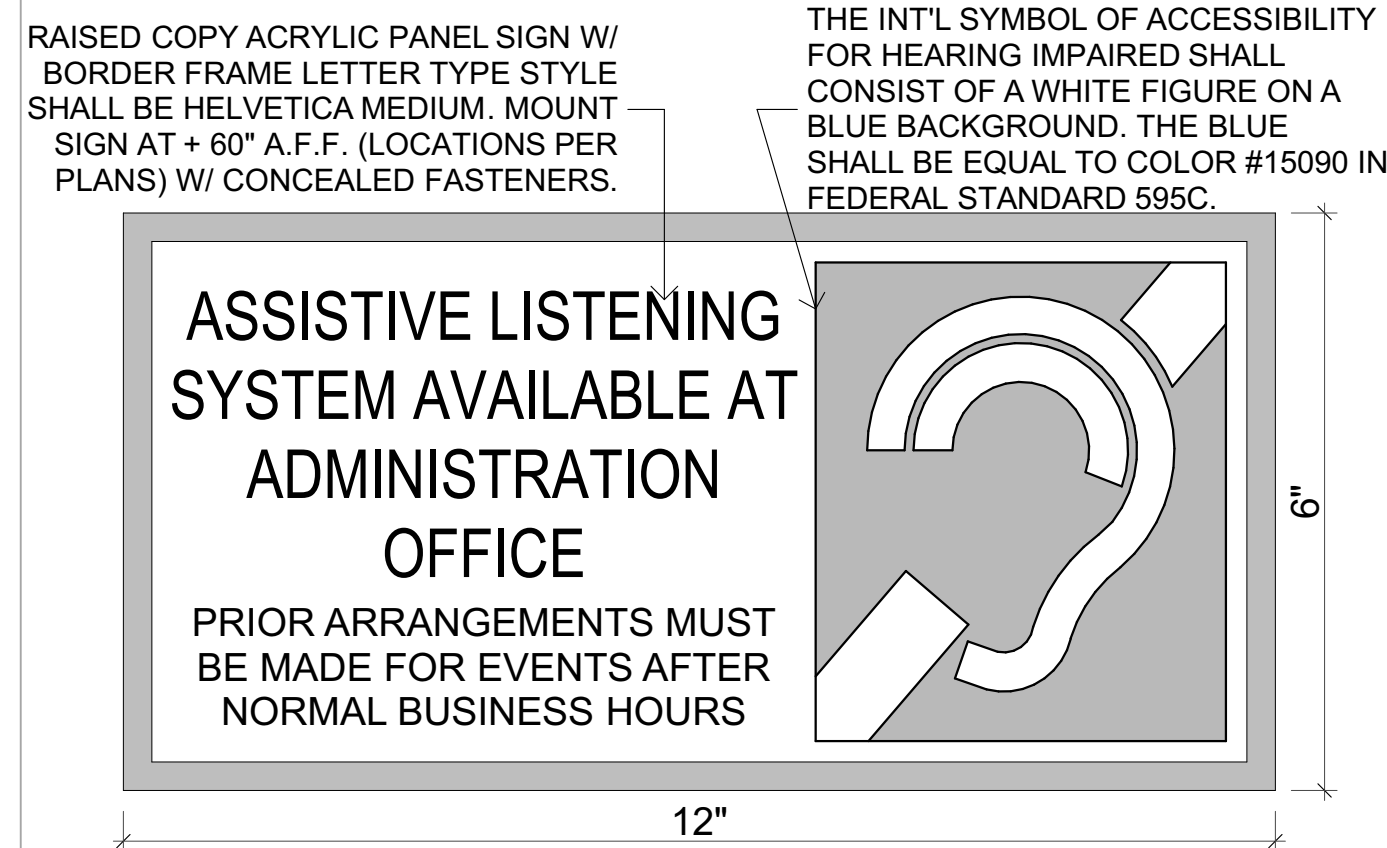
13 RESTROOM DOOR SIGNAGE
SCALE: 1/12\"/>



1 SIGNAGE ELEVATIONS
SCALE: 1/4\"/>

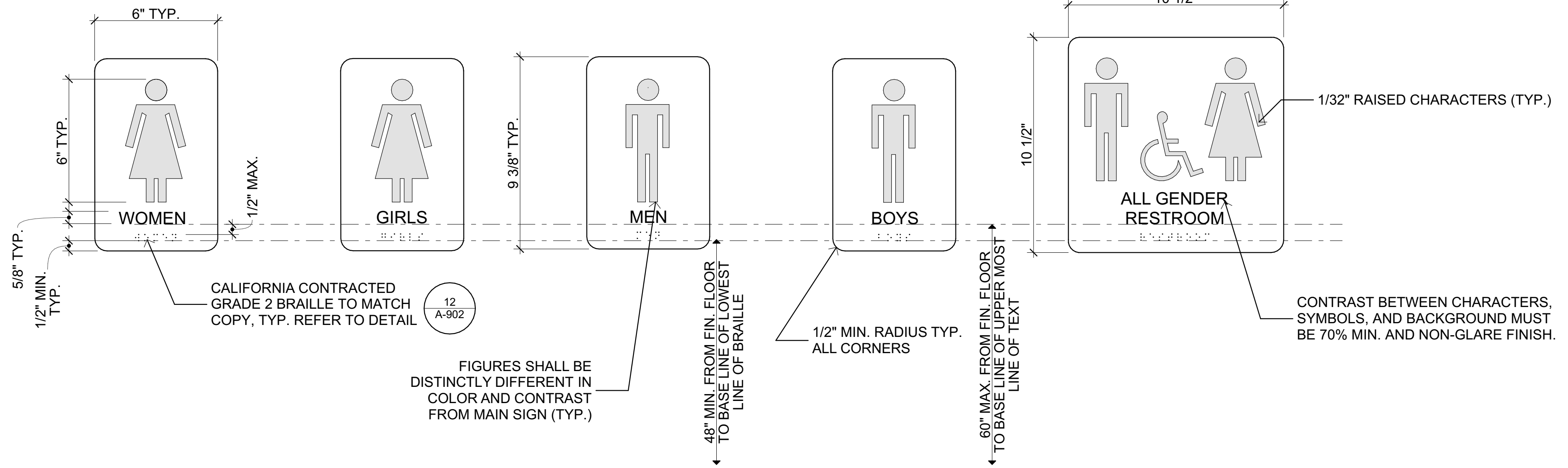


18 OCCUPANT LOAD SIGNAGE
SCALE: 3\"/>

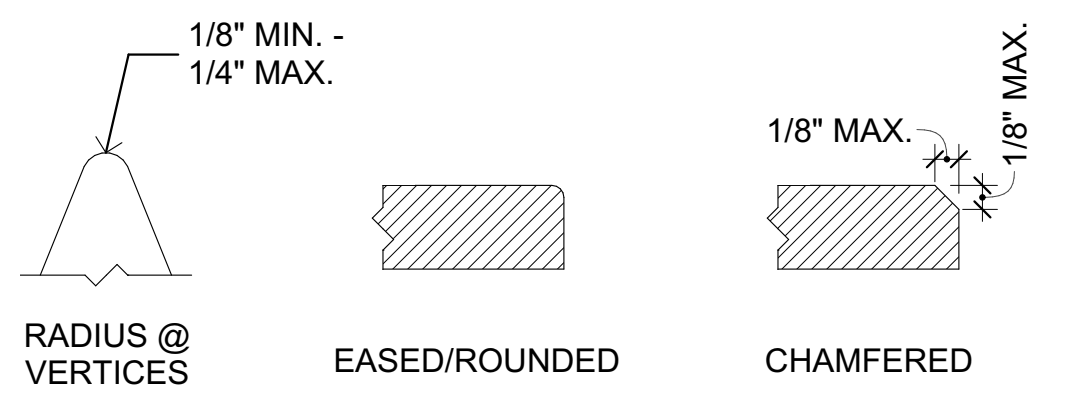


NOTE: ASSISTIVE LISTENING SYSTEMS SHALL BE PROVIDED IN ACCORDANCE WITH CBC SECTION 11B-219 AND SHALL COMPLY WITH CBC SECTION 11B-706. THE MINIMUM NUMBER OF RECEIVERS TO BE PROVIDED SHALL BE EQUAL TO 4% OF THE TOTAL NUMBER OF SEATS, BUT IN NO CASE LESS THAN TWO, 25% MIN. OF RECEIVERS PROVIDED, BUT NO FEWER THAN TWO, SHALL BE HEAR-AID COMPATIBLE IN ACCORDANCE WITH CBC SECTION 11B-706.3. IF THE SYSTEM PROVIDED IS LIMITED TO SPECIFIC AREAS OR SEATS, THEN SUCH AREAS OR SEATS SHALL BE WITHIN A 50'-0\"/>

14 ALS SIGNAGE
SCALE: 6\"/>



2 RESTROOM WALL SIGNAGE
SCALE: 3\"/>

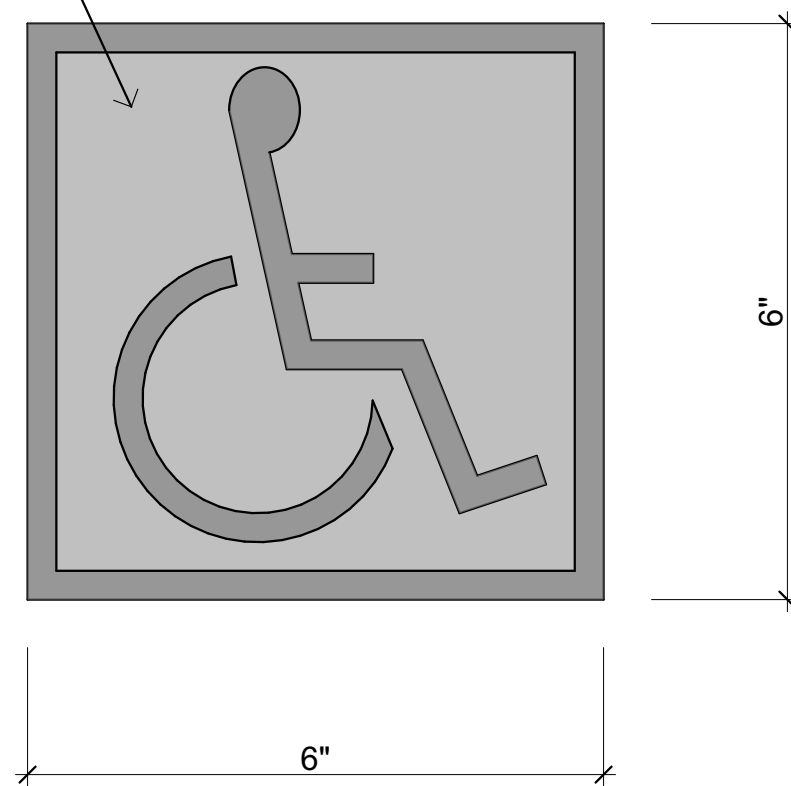


NOTE: PER 11B-703.7.2.6.4 EDGES AND VERTICES ON GEOMETRIC SYMBOLS, EDGES SHALL BE EASED OR ROUNDED AT 1/16\"/>

19 SIGNAGE EDGES AND VERTICES
SCALE: 1\"/>

INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL CONSIST OF WHITE FIGURE ON A BLUE BACKGROUND. THE BLUE COLOR SHALL BE EQUAL TO COLOR #15090 IN FED. STANDARD 595C. REFER TO PLANS FOR LOCATION OF I.S.A.

NOTE:
PROPORTIONS SHALL MATCH CBC FIGURE 11B-703.7.2.1.



20 ISA
SCALE: 6\"/>

11B-703 REQUIREMENTS FOR RAISED CHARACTERS, BRAILLE AND VISUAL CHARACTERS:

- RAISED CHARACTERS SHALL COMPLY WITH CBC SECTION 11B-703.2:
- CHARACTERS SHALL BE RAISED 1/32 INCH (0.8 MM) MINIMUM ABOVE THEIR BACKGROUND, SHALL BE SANS SERIF UPPERCASE LETTERS, AND SHALL BE DUPLICATED IN BRAILLE.
- CHARACTER HEIGHT SHALL BE 5/8 INCH (15.9 MM) MINIMUM AND 2 INCHES (51 MM) MAXIMUM BASED ON THE HEIGHT OF THE UPPERCASE LETTER "I". CBC SECTION 11B-703.2.5
- CHARACTERS AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH. CHARACTER SHALL CONTRAST WITH THEIR BACKGROUND WITH EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND. CBC SECTION 11B-703.5.1
- PROPORTIONS FOR RAISED CHARACTERS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER "O" IS 60% MINIMUM AND 110% MAXIMUM OF THE HEIGHT OF THE UPPERCASE LETTER "I". STROKE THICKNESS OF THE UPPERCASE LETTER "I" SHALL BE 15% MAXIMUM OF THE HEIGHT OF THE CHARACTER. CBC SECTIONS 11B-703.2.4 AND 11B-703.2.6
- CHARACTER SPACING BETWEEN INDIVIDUAL RAISED CHARACTERS SHALL COMPLY WITH CBC SECTION 11B-703.2.7 AND 11B-703.2.8
- LINE SPACING: SPACING BETWEEN THE BASELINES OF SEPARATE LINES OF RAISED CHARACTERS WITHIN A MESSAGE SHALL BE 135 PERCENT MIN. AND 170 PERCENT MAX. OF THE RAISED CHARACTER HEIGHT. 11B-703.2.8
- TEXT SHALL BE IN A HORIZONTAL FORMAT. CBC SECTION 11B-703.2.9

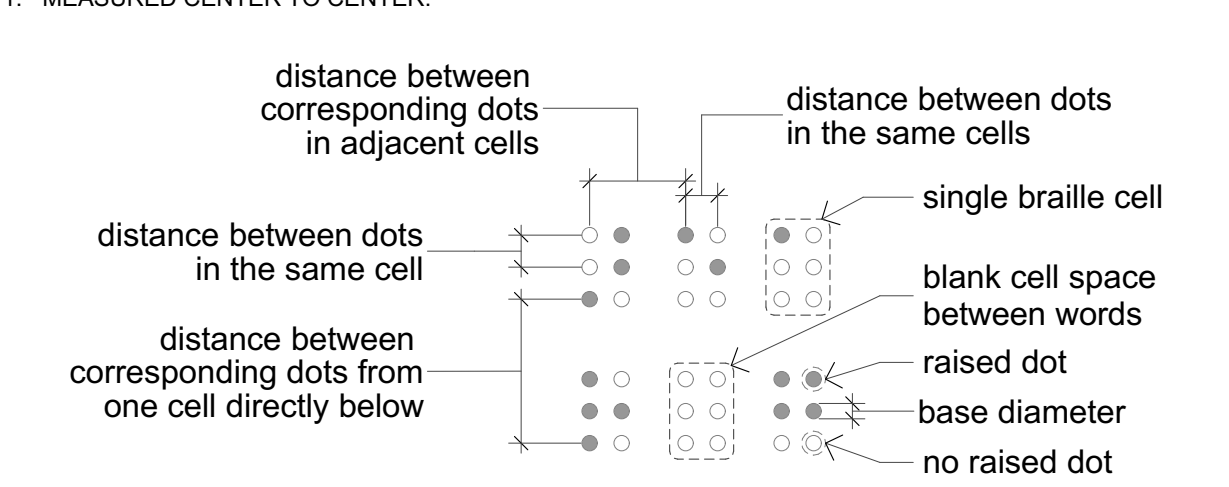
- BRAILLE:**
- BRAILLE SHALL BE CONTRACTED (GRADE 2) AND SHALL COMPLY WITH CBC SECTIONS 11B-703.3 AND 11B-703.4. -BRAILLE DOTS SHALL HAVE A DOMED OR ROUNDED SHAPE AND SHALL COMPLY WITH CBC TABLE AND FIGURE 11B-703.3.1. THE INDICATION OF AN UPPERCASE LETTER SHALL ONLY BE USED BEFORE THE FIRST WORD OF SENTENCES, PROPER NOUNS AND NAMES, INDIVIDUAL LETTERS OF THE ALPHABET, INITIALS, AND ACRONYMS.
 - 11B-703.3.2 POSITION, BRAILLE SHALL BE POSITIONED BELOW THE CORRESPONDING TEXT IN A HORIZONTAL FORMAT, FLUSH LEFT OR CENTERED. IF TEXT IS MULTILINE, BRAILLE SHALL BE PLACED BELOW THE ENTIRE TEXT. BRAILLE SHALL BE SEPARATED 3/8\"/>

- TACTILE:**
- TACTILE CHARACTERS ON SIGNS SHALL BE LOCATED 48\"/>

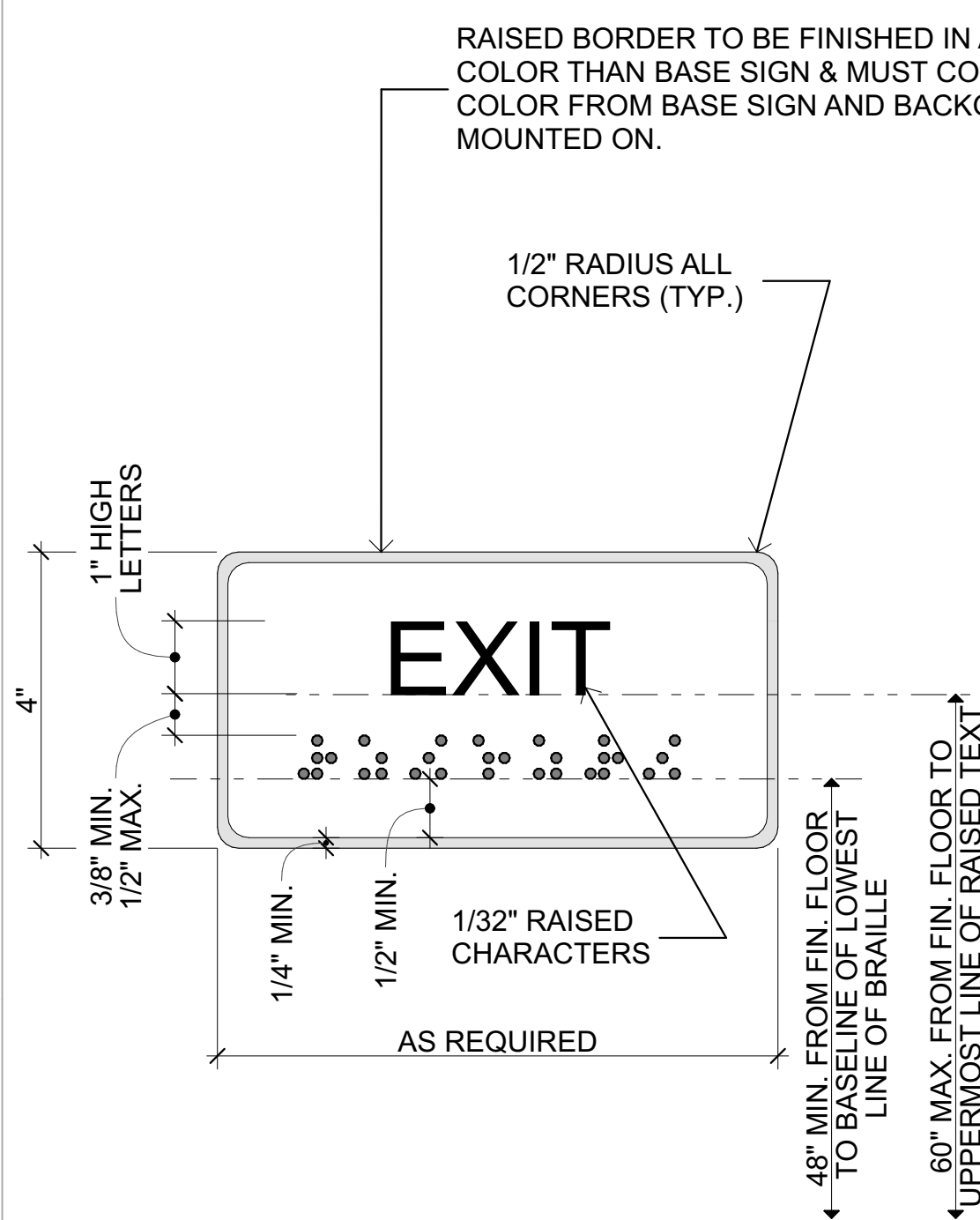
12 BRAILLE
SCALE: 1\"/>

- VISUAL CHARACTERS:**
- VISUAL CHARACTERS SHALL COMPLY WITH CBC SECTION 11B-703.5 AND SHALL BE 40\"/>

MEASUREMENT RANGE	MINIMUM IN INCHES MAXIMUM IN INCHES
DOT BASE DIAMETER	0.059 (1.5 mm) to 0.063 (1.6 mm)
DISTANCE BETWEEN TWO DOTS IN THE SAME CELL ¹	0.100 (2.5 mm)
DISTANCE BETWEEN CORRESPONDING DOTS IN ADJACENT CELLS ¹	0.300 (7.6 mm)
DOT HEIGHT	0.025 (0.6 mm) to 0.037 (0.9 mm)
DISTANCE BETWEEN CORRESPONDING DOTS FROM ONE CELL DIRECTLY BELOW ¹	0.395 (10 mm) to 0.400 (10.2 mm)

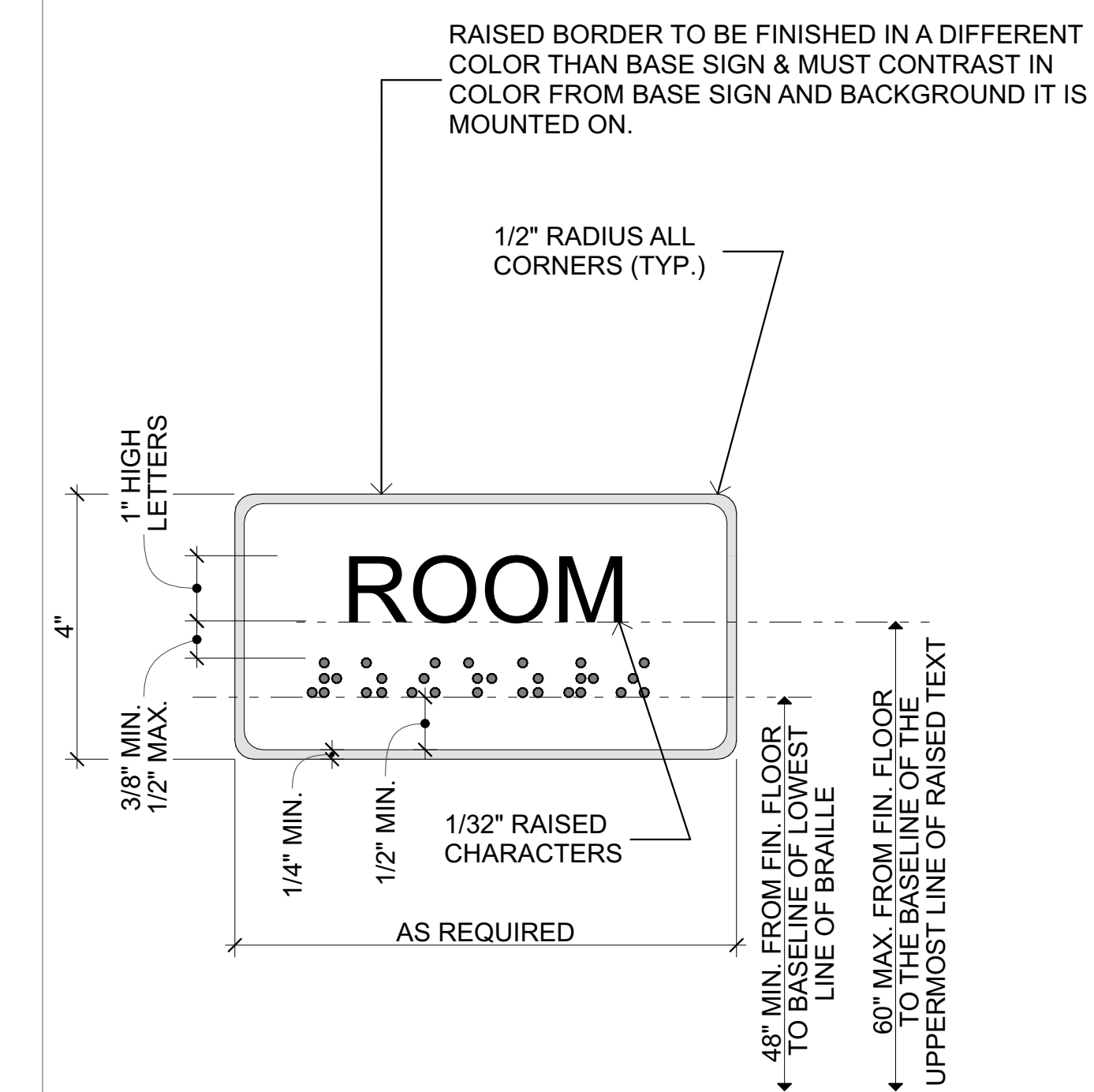


REQUIRED ROUNDED OR DOMED CONTRACTED CALIFORNIA BRAILLE (GRADE 2) DOTS, EACH DISTINCT AND SEPARATE. DOTS WITH STRAIGHT SIDES AND FLAT TOPS ARE NOT READABLE FOR MANY BRAILLE USERS. SQUARE DOT NOT ACCEPTABLE.



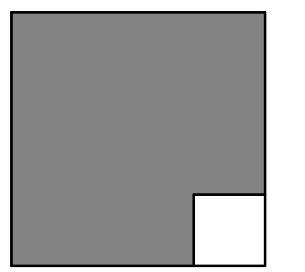
- NOTES:**
- LETTER TYPE STYLE TO BE SANS SERIF PER SPECS.
 - ALLOW UP TO 16 CHARACTERS FOR SIGN.
 - PROVIDE DIE RAISED ALUMINUM PANEL SIGNS WITH RAISED BORDERS AT EXTERIOR LOCATIONS.
 - PROVIDE RAISED ACRYLIC PANEL SIGNS WITH BORDER FRAMES AT INTERIOR LOCATIONS.
 - ALL FASTNERS SHALL BE CONCEALED. COLOR TO BE SELECTED BY ARCHITECT.
 - CONTRACTED CALIF. GRADE 2 BRAILLE SHALL BE USED WHEREVER SHOWN ON DRAWINGS. DOTS SHALL BE USED WHEREVER SHOWN ON DRAWINGS. DOTS SHALL BE 1/10\"/>

8 EXIT SIGN
SCALE: 3\"/>



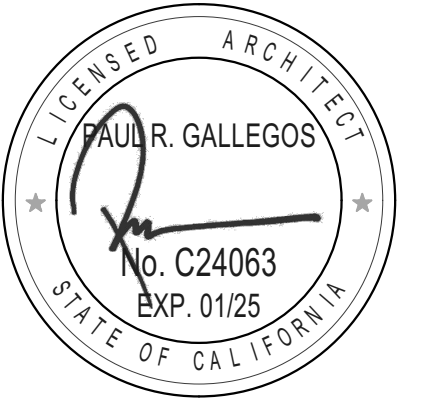
- NOTES:**
- COORDINATE AND SCHEDULE SIGN VERBIAGE WITH ARCHITECT AND DISTRICT.
 - LETTER TYPE STYLE TO BE SANS SERIF PER SPECS.
 - ALLOW UP TO 16 CHARACTERS FOR SIGN.
 - PROVIDE DIE RAISED ALUMINUM PANEL SIGNS WITH RAISED BORDERS AT EXTERIOR LOCATIONS.
 - PROVIDE RAISED ACRYLIC PANEL SIGNS WITH BORDER FRAMES AT INTERIOR LOCATIONS.
 - ALL FASTNERS SHALL BE CONCEALED.
 - COLOR TO BE SELECTED BY ARCHITECT.
 - CONTRACTED CALIF. GRADE 2 BRAILLE SHALL BE USED WHEREVER SHOWN ON DRAWINGS. DOTS SHALL BE USED WHEREVER SHOWN ON DRAWINGS. DOTS SHALL BE 1/10\"/>

4 ROOM NAME SIGNAGE
SCALE: 3\"/>



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REVISIONS		
MARK	DATE	DESCRIPTION

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PLOT DATE:
8/17/2023

SHEET TITLE

SIGNAGE DETAILS

ABBREVIATIONS

A	AMPERE (AMPS)
AC	ALTERNATING CURRENT
AF	AMPS-FRAME (RATING)
AIC	AMP INTERRUPTING CURRENT
AM	AMMETER
AS	AMP SWITCH (FUSED SWITCH RATING)
AT	AMPS-TRIP (RATING)
AWG	AMERICAN WIRE GAUGE
BC	BARE COPPER
BLDG	BUILDING
C	CONDUIT
CB	CIRCUIT BREAKER
CO	CONDUIT ONLY
CT	CURRENT TRANSFORMER
CU	COPPER
CFOI	CONTRACTOR FURNISHED OWNER INSTALLED
CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED
DPDT	DOUBLE POLE DOUBLE THROW
DPST	DOUBLE POLE SINGLE THROW
DWG	DRAWING
EX	EXISTING
FLA	FULL LOAD AMPS
FVR	FULL VOLTAGE REVERSING
FVNR	FULL VOLTAGE NON-REVERSING
GFI	GROUND FAULT INTERRUPTER
GRD/GND	GROUND
HID	HIGH INTENSITY DISCHARGE
HOA	HAND-OFF-AUTOMATIC
HP	HORSEPOWER
HPs	HIGH PRESSURE SODIUM
HZ	HERTZ
KW	KILOWATT
LCL	LONG CONTINUOUS LOAD
LRA	LOCKED ROTOR AMPS
LTG	LIGHTING
MCC	MOTOR CONTROL CENTER
MCM (KCM)	THOUSAND CIRCULAR MILS
MECH	MECHANICAL
NC	NORMALLY CLOSED
NF	NON-FUSED
NO	NORMALLY OPEN/NUMBER
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED OWNER INSTALLED
P	POLE
PH	PHASE
POC	POINT OF CONNECTION
FRS	PVC COATED RIGID STEEL (CONDUIT)
PT	POTENTIAL TRANSFORMER
PVC	POLYVINYL CHLORIDE DUCT
SWBD	SWITCHBOARD
TYP	TYPICAL
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
V	VOLT
VA	VOLTA-MPERES
VM	VOLTMETER
VL	VERIFY LOCATION
W	WIRE/WATTS
WP	WEATHERPROOF (NEMA TYPE 3R)
WT	WATER TIGHT
XP	EXPLOSION PROOF (RATED FOR AREA HAZARD)

ELECTRICAL SYMBOL LEGEND

POWER

	DUPLEX RECEPTACLE, WALL MOUNTED, 48" AFF. (U.ON.)
	FOURPLEX RECEPTACLE, WALL MOUNTED, 48" AFF. (U.ON.)
	RECEPTACLE MOUNTED 46" ABOVE COUNTER BACKSPLASH SEE ARCHITECTURAL PLANS FOR REQUIRED MOUNTING HEIGHT PRIOR TO ROUGH-IN.
	PROVIDE (2) DUPLEX RECEPTACLE CEILING MOUNTED LOCATE ADJACENT TO PROJECTOR FIELD VERIFY EXACT LOCATION PRIOR TO ROUGH-IN.
	SWITCH CONTROLLED DUPLEX RECEPTACLE 48" U.ON.
	DUPLEX GROUND FAULT INTERRUPTING RECEPTACLE 48" AFF. (U.ON.)
	DUPLEX RECEPTACLE IN WEATHERPROOF ENCLOSURE 48" AFF. (U.ON.)
	DUPLEX RECEPTACLE IN WEATHERPROOF "LOCKING" ENCLOSURE 48" AFF. (U.ON.) (SEE TYPICAL DETAILS E3 SERIES SHEETS AND SPECIFICATIONS FOR REQUIRED TYPE).
	SINGLE RECEPTACLE 30 AMP, 250V, 4W, GROUNDING, WALL MOUNTED 48" AFF. (U.ON.) FIELD VERIFY EXACT OUTLET CONFIGURATION WITH EQUIPMENT PRIOR TO ROUGH-IN.
	FUSED DISCONNECT SWITCH, WHERE SHOWN NF = NON-FUSED.
	MOTOR CONNECTION, NUMERAL INDICATES HORSEPOWER.
	MECHANICAL EQUIPMENT TAG (SEE MECHANICAL DRAWINGS FOR DESCRIPTION)
	CONDUIT AND WIRE, CONCEALED IN CEILING OR WALL
	CONDUIT AND WIRE, CONCEALED IN OR UNDER FINISHED FLOOR OR UNDER FINISHED GRADE.
	FLEXIBLE CONDUIT CONNECTION
	BRANCH CIRCUIT HOMERUN TO PANEL, SLASHES INDICATE NUMBER OF CONDUCTORS, EQUIPMENT GROUND WIRE NOT INDICATED U.ON. #2 CONDUCTORS ARE MINIMUM, NO HASH MARKS = MIN (2) #2
	3/4" CONDUIT STUBBED FROM DEVICE TO ABOVE ACCESSIBLE CEILING
	BRANCH CIRCUIT HOMERUN, NUMBER INDICATES INCREASED CONDUCTOR SIZE, CONDUCTORS SHALL REMAIN AS INDICATED FOR SIZE THROUGHOUT THE ENTIRE CIRCUIT.
	PANELBOARD, SURFACE MOUNTED.
	PANELBOARD, RECESSED
	STEP-DOWN TRANSFORMER
	DISTRIBUTION SWITCHBOARD

LIGHTING

	LIGHTING FIXTURE DESIGNATION
	LIGHTING FIXTURE, CEILING OR WALL MOUNTED AS SHOWN.
	LED LIGHT FIXTURE
	LIGHTING FIXTURE ON EMERGENCY CIRCUIT (MINIMUM 90 MIN. BACKUP).
	EXIT SIGN WITH DIRECTION ARROWS AS INDICATED, SHADED QUADRANT INDICATES FACE.
	SINGLE POLE SWITCH, SUBSCRIPT WHEN SHOWN INDICATES FIXTURES CONTROLLED 48" AFF. (U.ON.) HEIGHT PER DETAILS #1/E10.
	THREE-WAY SWITCH 48" AFF. (U.ON.) HEIGHT PER DETAILS #1/E10
	FOUR-WAY SWITCH 48" AFF. (U.ON.) HEIGHT PER DETAILS #1/E10
	SWITCH WITH PILOT LIGHT 48" AFF. (U.ON.) HEIGHT PER DETAILS #1/E10
	DOUBLE POLE SWITCH 48" AFF. (U.ON.) HEIGHT PER DETAILS #1/E10
	WEATHER PROOF SWITCH 48" AFF. (U.ON.) HEIGHT PER DETAILS #1/E10
	KEY OPERATED SWITCH 48" AFF. (U.ON.) HEIGHT PER DETAILS #1/E10
	SURFACE MOUNTED TRACK LIGHTING FIXTURES
	EXTERIOR SITE LIGHTING FIXTURE AND POLE
	EXTERIOR DECORATIVE SITE LIGHTING FIXTURE AND POLE
	LANDSCAPE LIGHTING FIXTURE
	CEILING MOUNTED OCCUPANCY SENSOR LIGHTING CONTROL
	LOW VOLTAGE LIGHT SWITCH, HEIGHT PER DETAILS #1/E10
	DIGITAL LIGHTING CONTROL, TYPICAL ROOM REQUIREMENTS.

GENERAL PROJECT NOTES:

- UNLESS WHERE OTHERWISE NOTED, ALL WORK INDICATED ON THESE DRAWINGS SHALL BE CONSIDERED NEW WORK.
- UNLESS WHERE OTHERWISE NOTED, ALL DIMENSIONS ARE TO BE CENTERLINE OF THE DEVICE.
- "GENERAL NOTES" SHOWN ON AN INDIVIDUAL DRAWING APPLY TO ALL WORK SHOWN ON THAT SHEET. "KEY NOTES" ONLY APPLY TO SPECIFIC ITEMS WHERE ANNOTATED AT SPECIFIC LOCATIONS. SOME KEY NOTES MAY NOT APPLY TO ANY SPECIFIC ITEMS.
- UNLESS SPECIFICALLY SHOWN ON THESE PLANS, NO STRUCTURAL MEMBER SHALL BE CUT, NEITHER DRILLED NOR NOTCHED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE STRUCTURAL ENGINEER AND THE DIVISION OF THE STATE ARCHITECT.

MEP COMPONENT ANCHORAGE NOTE:

MEP COMPONENT ANCHORAGE NOTE
ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA- APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC SECTIONS 1611A.118 THROUGH 1611A.126 AND ASCE 1-16 CHAPTERS 13, 26, AND 30:

- ALL PERMANENT EQUIPMENT AND COMPONENTS.
- TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. PERMANENTLY ATTACHED SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 120/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
- TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:

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

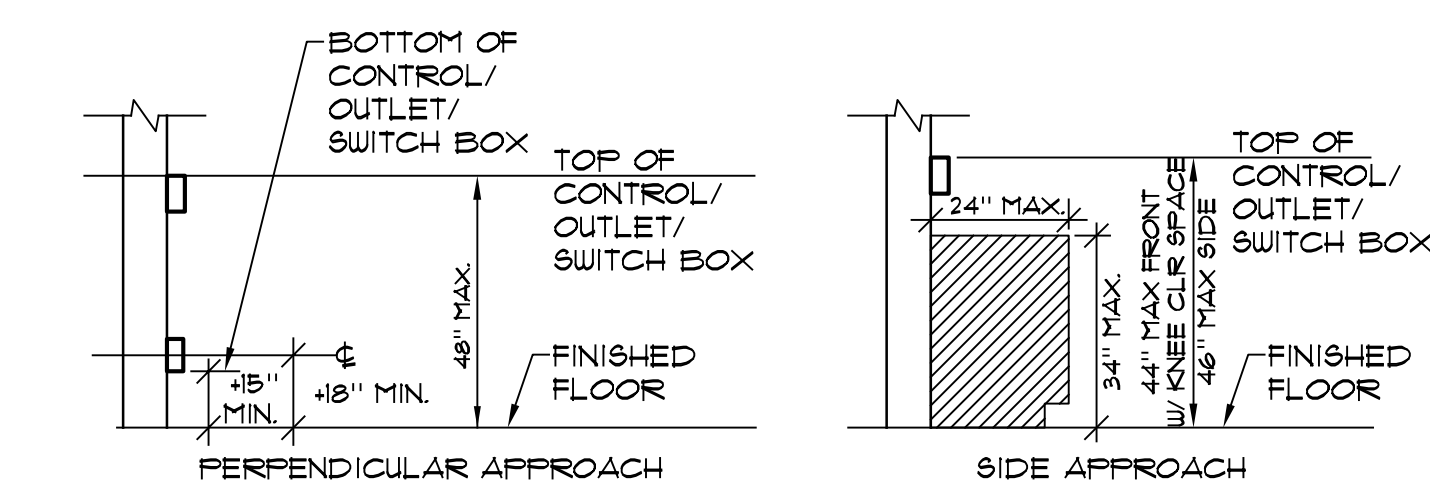
THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE
PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 1-16 SECTION 13.3 AS DEFINED IN ASCE 1-16 SECTIONS 13.6.5, 13.6.6, 13.6.7, 13.6.8, AND 2019 CBC, SECTIONS 1611A.124, 1611A.125 AND 1611A.126.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PRE-APPROVED INSTALLATION GUIDE (E.G. OSHPD OFM FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E)

- MP MD PP E OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.
- MP MD PP E OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVED (OPM) #



- NOTE: 1. MAINTAIN MINIMUM 30"x48" CLEAR FLOOR SPACE AT EACH APPROACH.
2. PROVIDE 30"W X 27 1/4 X 25"D MIN. TOE/KNEE CLEARANCE FOR FRONT APPROACH OVER OBSTRUCTION.

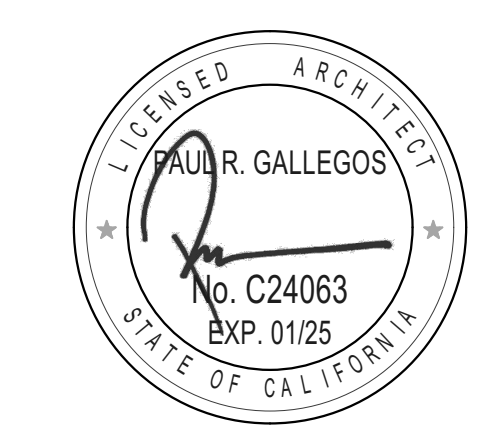
MOUNTING HEIGHT OVER OBSTRUCTION

NO SCALE

ALPHASTUDIO DESIGN GROUP

6152 INNOVATION WAY
CARLSBAD, 92009
760-431-2444
www.alphastudio-design.com

ARCHITECT OF RECORD



ENGINEER OF RECORD

OFFICE REMODEL

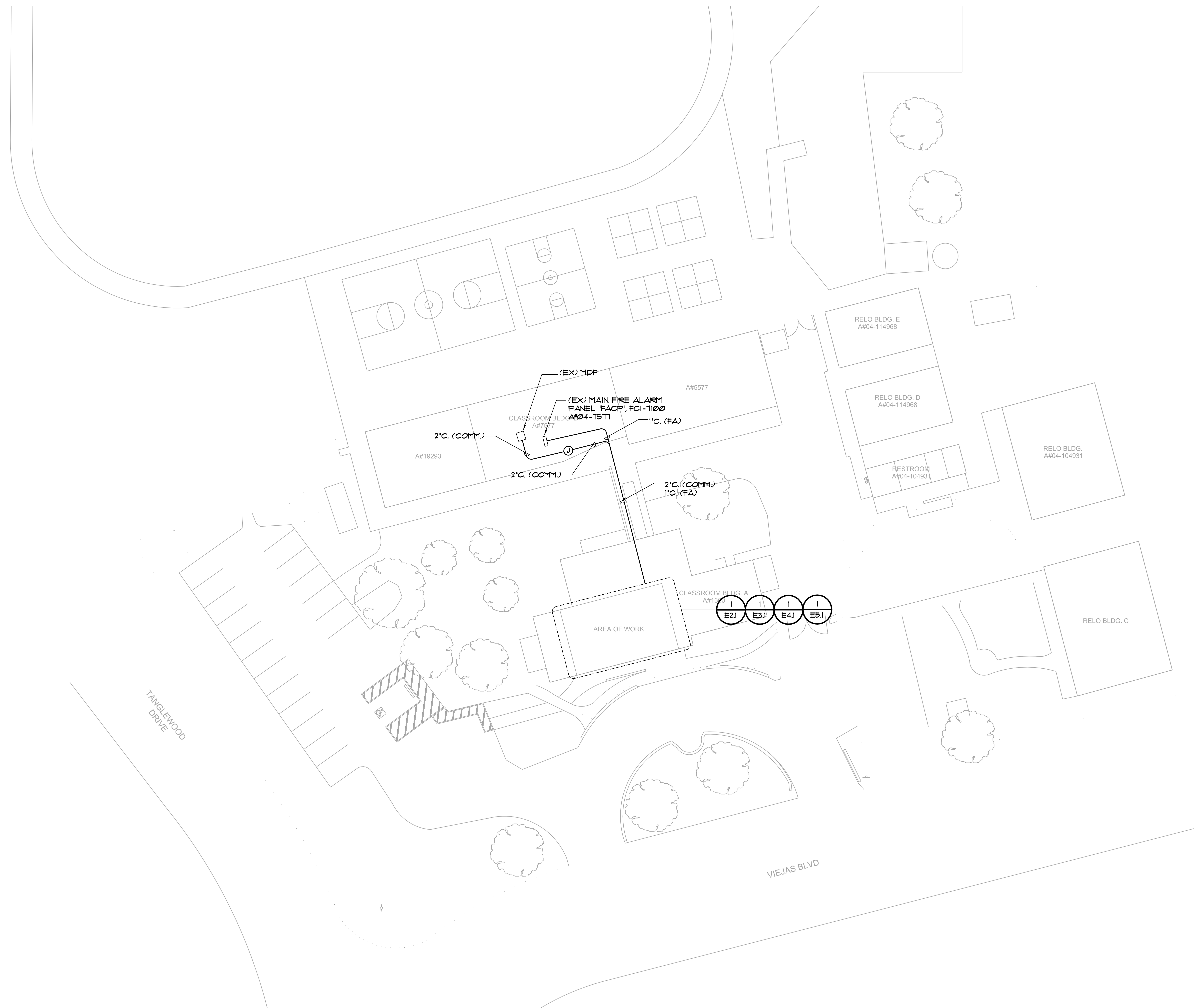
DESCANSO ELEMENTARY
24842 VIEJAS BLVD
DESCANSO, CA 91916
MOUNTAIN EMPIRE UNIFIED SCHOOL DISTRICT
3291 BUCKMAN SPRINGS RD PINE VALLEY CA 91962

REVISIONS	
MARK	DESCRIPTION

PROJECT NO: 23-027
MODEL FILE:
23-027 MEUSD Descanso ES_DRAFT_23-06-28.pln
PLOT DATE:
7/12/2023
SHEET TITLE

ELECTRICAL LEGEND AND NOTES

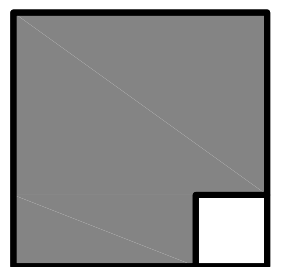
E-1.0



GENERAL NOTES:

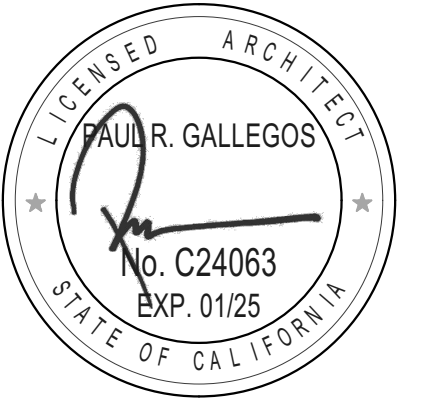
1. ALL JUNCTION BOXES SHOWN ON FLOOR PLAN SHALL BE NEMA 3R UNLESS OTHERWISE NOTED.
2. REFER TO E4 SERIES SHEETS FOR SITE COMMUNICATION WIRING REQUIREMENT.
3. REFER TO E5 SERIES SHEETS FOR SITE FIRE ALARM WIRING REQUIREMENT.

ALPHASTUDIO DESIGN GROUP



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CARLSBAD, 92009
760-431-2444
www.alphastudio-design.com

ARCHITECT OF RECORD



ENGINEER OF RECORD

SITE PLAN

SCALE: 1" = 20'-0"

OFFICE REMODEL
DESCANSO ELEMENTARY

24842 VIEJAS BLVD
DESCANSO, CA 91916
MOUNTAIN EMPIRE UNIFIED SCHOOL DISTRICT
3291 BUCKMAN SPRINGS RD PINE VALLEY CA 91962

REVISIONS		
MARK	DATE	DESCRIPTION

PROJECT NO: 23-027
MODEL FILE:
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PLOT DATE:
7/12/2023
SHEET TITLE

OVERALL SITE PLAN

JOHNSON CONSULTING ENGINEERS, INC.
Power | Lighting | Multimedia
Communications | Data Networking
12875 Brookprinter Place, Suite 300
Poway, CA 92084
P 656.679.4030 | F 656.619.0659
www.jce-inc.com

8/16/2023

E-1.1

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION

Indoor Lighting NRCC-474E

CERTIFICATE OF COMPLIANCE (Page 1 of 7)

Project Name: Descanso ES Remodel Report Page: 1
 Date Prepared: 2023-08-15 20:05:43

This document is used to demonstrate compliance with requirements in 120.9, 120.12(c), 130.6, 130.1, 140.6 and 141.0(b)(2) for indoor lighting scopes using the prescriptive path for nonresidential and hotel/motel occupancies. It is also used to document compliance with requirements in 160.5, 170.2(e) and 180.2(b)(4) for indoor lighting scopes using the prescriptive path for multifamily occupancies. Multifamily includes dormitory and senior living facilities.

Project Address: 24842 VIEJAS BLVD, DESCANSO, CA 91916 Date Prepared: 2023-08-15 20:05:43-04:06

A. GENERAL INFORMATION

01 Project Location (city): Descanso 04 Total Conditioned Floor Area (ft²): 1,135
 02 Climate Zone: 14 05 Total Unconditioned Floor Area (ft²): 0
 03 Occupancy Types Within Project (select all that apply): 06 # of Stories (habitable above grade): 1
 • School or Classroom

B. PROJECT SCOPE

This table includes any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.6 / 170.2(e) or 141.0(b)(2) / 180.2(b)(4) for alterations.

Scope of Work	Conditioned Spaces	Unconditioned Spaces
01	02	03
My Project Consists of (check all that apply):	Calculation Method	Area (ft ²)
<input checked="" type="checkbox"/> New Lighting System	Area Category Method	1135
<input type="checkbox"/> New Lighting System - Parking Garage	N/A	0
<input type="checkbox"/> New Lighting System - Other	N/A	0
Total Area of Work (ft²)		1135

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 Schema Version: rev 20220101 Report Generated: 2023-08-15 20:05:43

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION

Indoor Lighting NRCC-474E

C. COMPLIANCE RESULTS (Page 2 of 7)

Project Name: Descanso ES Remodel Report Page: 2
 Date Prepared: 2023-08-15 20:05:43-04:06

This table includes any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.6 / 170.2(e) or 141.0(b)(2) / 180.2(b)(4) for alterations.

Lighting in conditioned and unconditioned spaces must not be combined for compliance per 140.6(b)(1) / 170.2(e)	Allowed Lighting Power per 140.6(b) / 170.2(e) (Watts)					Adjusted Lighting Power per 140.6(a) / 170.2(c) (Watts)			Compliance Results
	01	02	03	04	05	06	07	08	
Complete Building 140.6(c)(1)	Area Category 140.6(c)(2) / 170.2(e)(4)	Area Category Additional 140.6(c)(3) / 170.2(e)(4)(*)	Tailored 140.6(c)(3) / 170.2(e)(4)(*)	Total Allowed (Watts)	Total Designed (Watts)	TRF Lighting Control Credits 140.6(a)(2) / 170.2(e)(3)(*)	Total Adjusted (Watts)	*Includes Adjustments	05 must be >= 08 140.6 / 170.2(e)
(See Table I)	(See Table I)	(See Table J)	(See Table K)	700.6	640		640		COMPLIES
Conditioned	700.6	(See Table J)	(See Table K)	700.6	640		640		COMPLIES
Unconditioned									COMPLIES

Controls Compliance (See Table H for Details)
 Rated Power Reduction Compliance (See Table Q for Details)

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form. Selections made in Certificates of Acceptance Table have been changed by the permit applicant. See Table E. Additional Remarks for permit applicant's explanation.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.
 (NRCA LTI-02-A Explanation) NA

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STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION

Indoor Lighting NRCC-474E

F. INDOOR LIGHTING FIXTURE SCHEDULE (Page 3 of 7)

Project Name: Descanso ES Remodel Report Page: 3
 Date Prepared: 2023-08-15 20:05:43-04:06

This table includes all planned permanent and portable lighting other than dwelling unit/hotel/motel room lighting. Multifamily dwelling unit and hotel/motel room lighting is documented in Table F. If using Table F to document lighting in multifamily common use areas providing shared provisions for living, eating, cooking or sanitation, those luminaires are not included here.

Designed Wattage: Conditioned Spaces									
01	02	03	04	05	06	07	08	09	10
Name or Item Tag	Complete Luminaire Description	Modular (Track) Fixture	Small Aperture & Color Change	Watts per luminaire ^a	How is Wattage determined	Total Number of Luminaires	Excluded per 140.6(a)(1) / 170.2(e)(2)(C)	Design Watts	Field Inspector
AJAE	2X4 LED RECESSED TROFFER	No	NA	32		20	No	640	Pass
Total Designed Watts: CONDITIONED SPACES								640	Fail

^aNOTE: Design Watts for small aperture and color changing luminaires which qualify per 140.6(a)(8) / 170.2(e)(2)(D) is adjusted to be 75% / 80% of their rated wattage. Table F automatically makes this adjustment; the permit applicant should enter full rated wattage in column 05.
^bAuthority Having Jurisdiction may ask for luminaire cut sheets to confirm wattage used for compliance per 130.0(c) / 160.5(b). Wattage used must be the maximum rated for the luminaire, not the lamp.

G. MODULAR LIGHTING SYSTEMS

This section does not apply to this project.

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

This table includes lighting controls for conditioned and unconditioned spaces.

Building Level Controls		
01	02	03
Mandatory Demand Response 110.11(c)	Shut-off controls 130.1(c) / 160.5(b)(4)	Field Inspector
NA < 4,000W subject to multilevel	See Area/Space Level Controls	Pass

I. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF))

This section does not apply to this project.

J. RATED POWER REDUCTION COMPLIANCE FOR ONE-FOR-ONE ALTERATIONS

This section does not apply to this project.

K. 80% LIGHTING POWER FOR ALL ALTERATIONS - CONTROLS EXCEPTIONS

This section does not apply to this project.

L. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)

This section does not apply to this project.

M. DWELLING UNIT LIGHTING

This section does not apply to this project.

N. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selections have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online.

Form/Title

NRCC-LTI-E - Must be submitted for all buildings

O. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no NRCA forms required for this project.

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STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION

Indoor Lighting NRCC-474E

L. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS (Page 4 of 7)

Project Name: Descanso ES Remodel Report Page: 4
 Date Prepared: 2023-08-15 20:05:43-04:06

This table includes any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.6 / 170.2(e) or 141.0(b)(2) / 180.2(b)(4) for alterations.

Area Level Controls	04	05	06	07	08	09	10	11	12
Area Description	Complete Building or Area Category Primary Function Area	Manual Area Controls 130.1(a) / 160.5(b)(4A)	Multi-Level Controls 130.1(b) / 160.5(b)(4B)	Shut-Off Controls 130.1(c) / 160.5(b)(4C)	Primary/Sky Lite Daylighting 130.1(d) / 160.5(b)(4D)	Secondary Daylighting Systems 130.1(e) / 160.5(b)(4E)	Inter-locked Systems 140.6(a)(1) / 170.2(e)(2A)	Field Inspector	Pass
ADMIN	Office (>250 square feet)	Readily Accessible	Dimmer	Occupancy Sensor	NA: Not daylight zone	NA: Not daylight zone	No		Fail
OFFICE	Office (<=250 square feet)	Readily Accessible	Dimmer	Occupancy Sensor	NA: General Ltg < 120W	NA: General Ltg < 120W	No		Fail
ENTRY	Main Entry Lobby	Auth. Personnel	MultiLevel Switch	Occupancy Sensor	NA: General Ltg < 120W	NA: General Ltg < 120W	No		Fail
HALL	Corridor	Auth. Personnel	MultiLevel Switch	Occupancy Sensor	NA: General Ltg < 120W	NA: General Ltg < 120W	No		Fail
HEALTH	Office (<=250 square feet)	Readily Accessible	NA: Enclosed area <1000F	Occupancy Sensor	NA: Not daylight zone	NA: Not daylight zone	No		Fail
Plan Sheet Showing Daylit Zones:									

M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY

This section does not apply to this project.

N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING

This section does not apply to this project.

O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED DECORATIVE /SPECIAL EFFECTS

This section does not apply to this project.

P. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE

This section does not apply to this project.

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STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION

Indoor Lighting NRCC-474E

L. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS (Page 5 of 7)

Project Name: Descanso ES Remodel Report Page: 5
 Date Prepared: 2023-08-15 20:05:43-04:06

HALL	0.4	90	36	No	No
ENTRY	Corridor	0.7	120	91	No
OFFICE	Main Entry Lobby	0.65	423	274.95	No
HEALTH	Office (<=250 square feet)	0.65	69	44.85	No
TOTALS: 1,135 700.6 See Tables J, K, or P for detail					

J. ADDITIONAL LIGHTING ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM

This section does not apply to this project.

K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE

This section does not apply to this project.

L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY

This section does not apply to this project.

M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING

This section does not apply to this project.

N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED DECORATIVE /SPECIAL EFFECTS

This section does not apply to this project.

O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE

This section does not apply to this project.

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STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION

Indoor Lighting NRCC-474E

P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF)) (Page 6 of 7)

Project Name: Descanso ES Remodel Report Page: 6
 Date Prepared: 2023-08-15 20:05:43-04:06

This section does not apply to this project.

Q. RATED POWER REDUCTION COMPLIANCE FOR ONE-FOR-ONE ALTERATIONS

This section does not apply to this project.

R. 80% LIGHTING POWER FOR ALL ALTERATIONS - CONTROLS EXCEPTIONS

This section does not apply to this project.

S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)

This section does not apply to this project.

T. DWELLING UNIT LIGHTING

This section does not apply to this project.

U. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selections have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online.

Form/Title

NRCC-LTI-E - Must be submitted for all buildings

V. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no NRCA forms required for this project.

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STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION

Indoor Lighting NRCC-474E

Documentation Author's Declaration Statement (Page 7 of 7)

Project Name: Descanso ES Remodel Report Page: 7
 Date Prepared: 2023-08-15 20:05:43-04:06

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Monica Higgins
 Title: Lighting Designer
 Signature Date: 08/15/2023
 Address: 12875 Brookprinter Pl, Suite 300
 City/State: Poway, CA 92064
 Phone: 858-679-4030

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

- The information provided on this Certificate of Compliance is true and correct.
- I am eligible under Division 16 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
- The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
- The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
- I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the building owner at occupancy.

Responsible Designer Name: Monica Higgins
 Title: Lighting Designer
 Signature Date: 08/15/2023
 Address: 12875 Brookprinter Pl, Suite 300
 City/State: Poway, CA 92064
 Phone: 858-679-4030

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 CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: 127083-0823-0002
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STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION

Indoor Lighting NRCC-474E

Documentation Author's Declaration Statement (Page 7 of 7)

Project Name: Descanso ES Remodel Report Page: 7
 Date Prepared: 2023-08-15 20:05:43-04:06

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Monica Higgins
 Title: Lighting Designer
 Signature Date: 08/15/2023
 Address: 12875 Brookprinter Pl, Suite 300
 City/State: Poway, CA 92064
 Phone: 858-679-4030

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

- The information provided on this Certificate of Compliance is true and correct.
- I am eligible under Division 16 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
- The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
- The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
- I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the building owner at occupancy.

Responsible Designer Name: Monica Higgins
 Title: Lighting Designer
 Signature Date: 08/15/2023
 Address: 12875 Brookprinter Pl, Suite 300
 City/State: Poway, CA 92064
 Phone: 858-679-4030

Generated Data/Time: Documentation Software: Energy Code Ace
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RESPONSIBLE PERSON'S DECLARATION STATEMENT

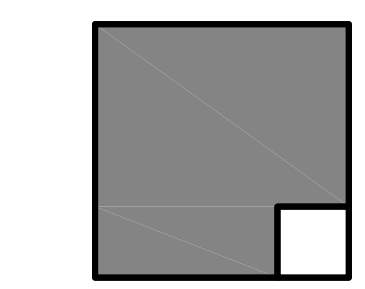
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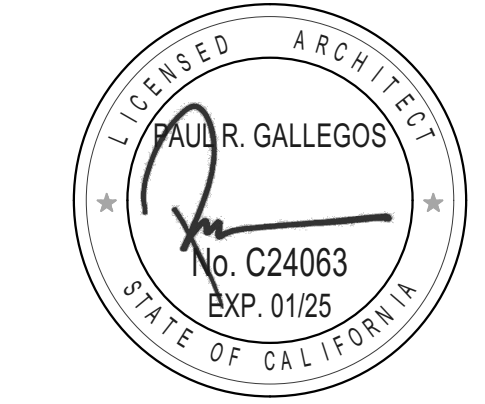
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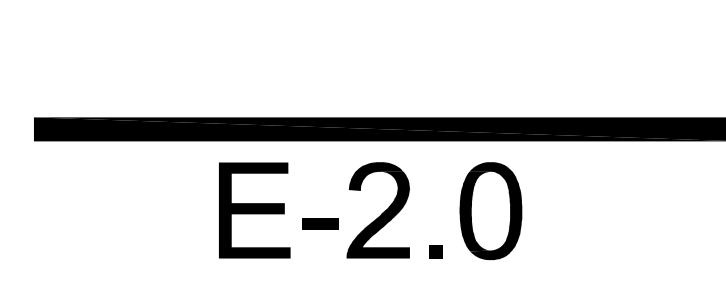
ENGINEER OF RECORD

OFFICE REMODEL
 DESCANSO ELEMENTARY
 24842 VIEJAS BLVD
 DESCANSO, CA 91916
 MOUNTAIN EMPIRE UNIFIED SCHOOL DISTRICT
 3291 BUCKMAN SPRINGS RD PINE VALLEY CA 91962

MARK	DATE	DESCRIPTION

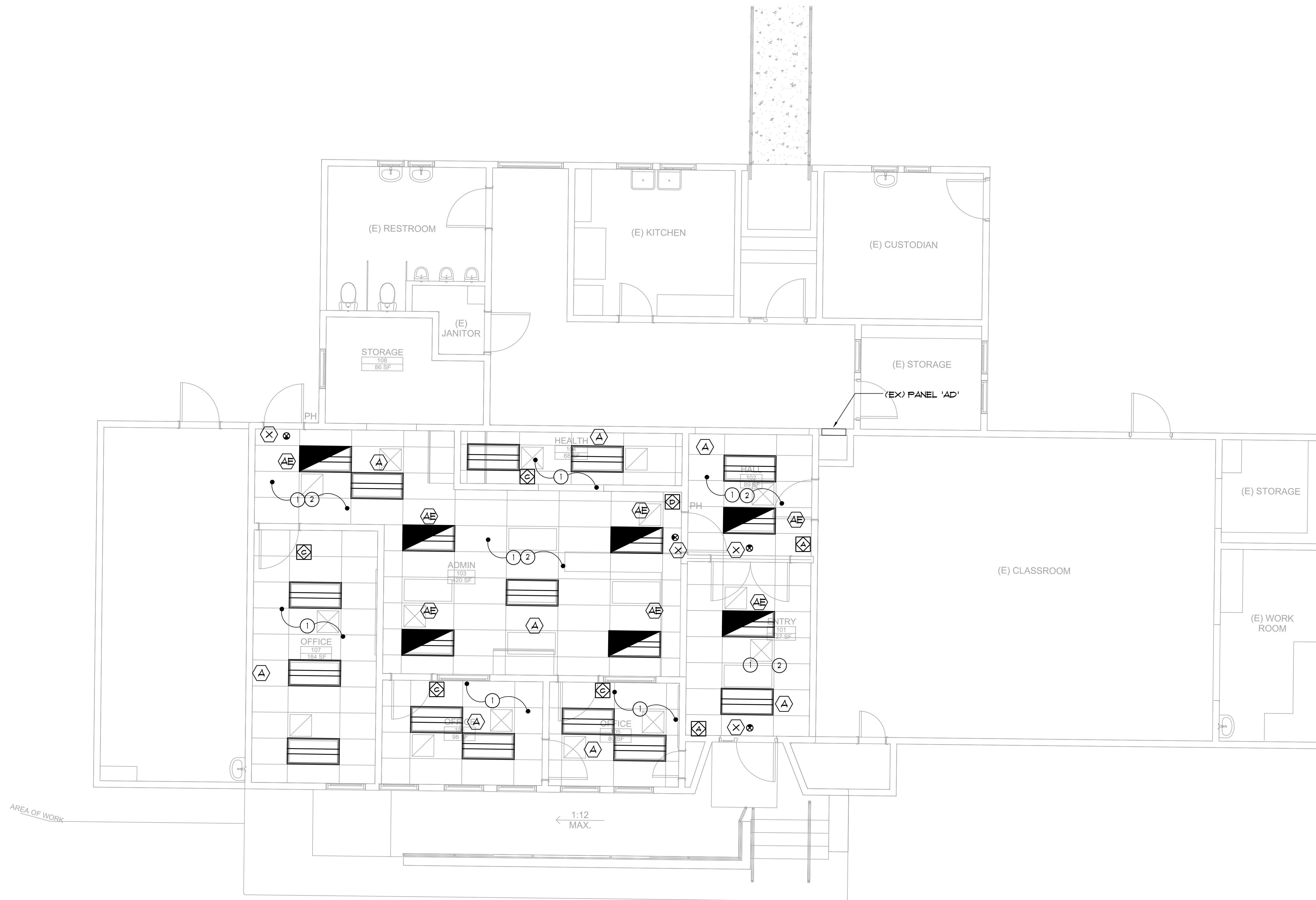
PROJECT NO: 23-027
 MODEL FILE:
 23-027 MEUSD Descanso ES_DRAFT_23-06-28.ph
 PLOT DATE:
 7/12/2023
 SHEET TITLE

T24 FORMS



Power | Lighting | Multimedia
 Communications | Data Networking
 12875 Brookprinter Place, Suite 300
 Poway, CA 92064
 P 858.679.4030 F 858.679.0550
 www.jce-inc.com

E-2.0



FLOOR PLAN - LIGHTING

SCALE: 1/4" = 1'-0" 1
E-2.1

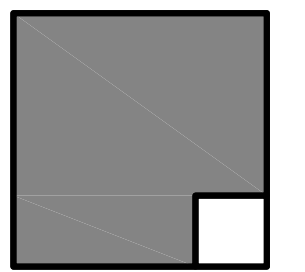
GENERAL NOTES:

1. REFERENCE ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF ALL LIGHTING FIXTURES.
2. REFERENCE E2 SERIES SHEETS FOR ALL FIXTURE TYPES, DIGITAL LIGHTING CONTROL DEVICE SYMBOLS AND LEGENDS AND FOR TYPICAL DETAILS.
3. LETTERS IN OR ADJACENT TO EACH FIXTURE OR FIXTURE ROW INDICATES SWITCH AND OR OCCUPANCY SENSOR WHICH CONTROLS THE LIGHTING FIXTURE.
4. CIRCUIT HOMERUNS ARE INDICATED TO SHOW THE LOCATION AND NUMBER OF CIRCUITS TO BE GROUPED TOGETHER.
5. PROVIDE MINIMUM 3/4" CONDUIT AND #2 CIRCUIT CONDUCTORS AS REQUIRED TO CONNECT EACH LIGHTING FIXTURES TO THEIR INDICATED CONTROL DEVICES. (U.O.N.)

KEY NOTES:

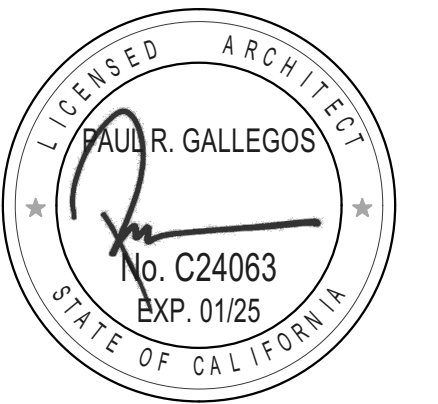
- ① CONNECT NEW LIGHTING FIXTURES AND LED EXIT SIGN TO EXISTING LIGHTING CIRCUIT AND EXTEND 3/4" 2 #2, 1 #2 GND. TO ROOM LIGHTING CONTROL DEVICES AS REQUIRED.
- ② CONNECT NEW LED EXIT SIGN AND EMERGENCY LIGHTING FIXTURES TO EXISTING CONSTANT HOT IN THE SPACE FOR BATTERY PACK CHARGING AS REQUIRED.

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24842 VIEJAS BLVD
DESCANSO, CA 91916
MOUNTAIN EMPIRE UNIFIED SCHOOL DISTRICT
3291 BUCKMAN SPRINGS RD PINE VALLEY CA 91962

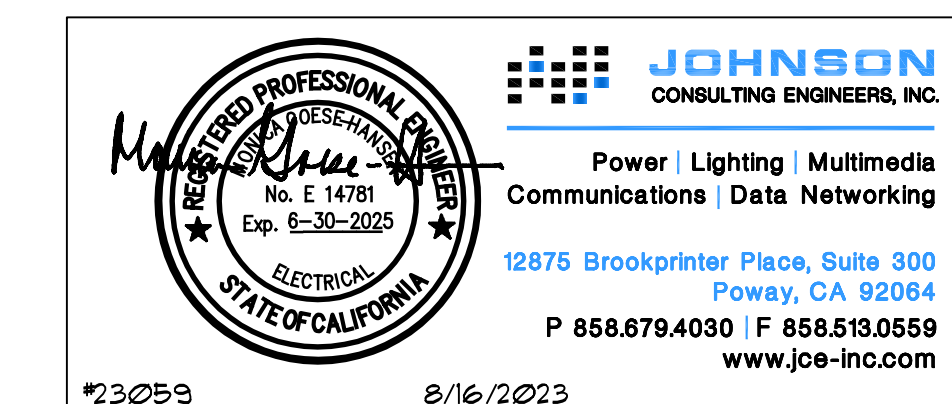
REVISIONS		
MARK	DATE	DESCRIPTION

PROJECT NO: 23-027
MODEL FILE:
23-027 MEUSD Descanso ES_DRAFT_23-06-28.pln
PLOT DATE:
7/12/2023

SHEET TITLE

FLOOR PLAN -
LIGHTING

E-2.1

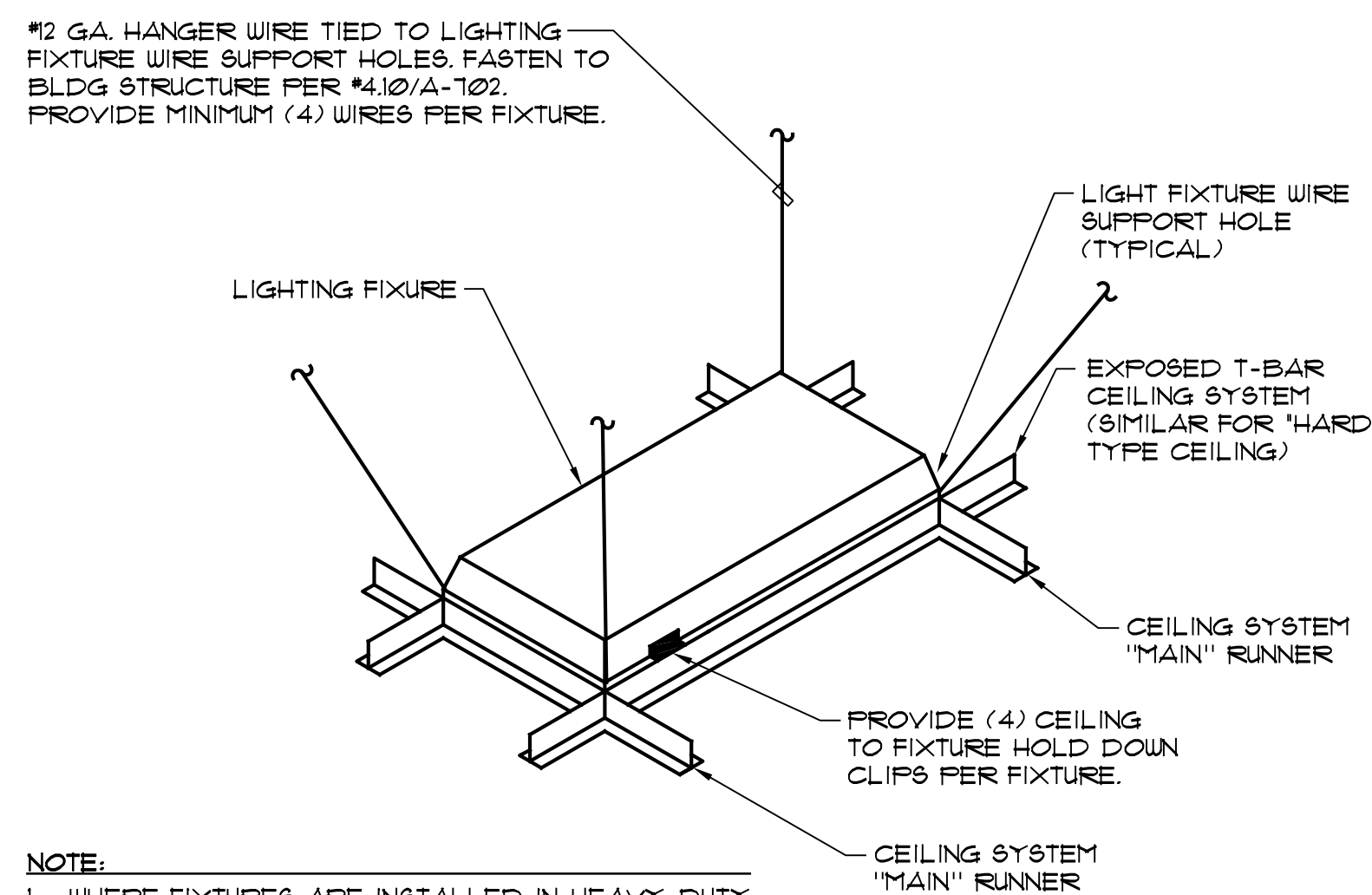


Mark	Approved Manufacturer's (See Key Note No.1)	Catalog Series Type (See Key Note No.2)	FIXTURE				Lamp Watts	Lamp No.	Lamp Type	MOUNTING				Description	
			Incandescent	Fluorescent	Metal Halide	High pressure sodium				Low pressure sodium	LED	Recessed / Ceiling	Surface / Wall		Recessed / Wall
A	LITHONIA	2VL74 SERIES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	120		LED	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	GRID 2X4	MINIMUM 4281 LUMEN, 4000 KELVIN, 0-10V DIMMING, CURVED LINEAR PRISM DIFFUSER, 2-3/8" DEEP. <input type="checkbox"/> Provide emergency ballast type 'EM' <input type="checkbox"/> Provide custom color finish, to be selected at time of submittal <input type="checkbox"/> See detail 1 E2.3
	COLUMBIA	LCAT24 SERIES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	208			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	METALUX	24CZ SERIES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	277	32		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	Or Equal		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	480			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
AE	LITHONIA	2VL74 SERIES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	120		LED	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	GRID 2X4	MINIMUM 4281 LUMEN, 4000 KELVIN, 0-10V DIMMING, CURVED LINEAR PRISM DIFFUSER, 2-3/8" DEEP. PROVIDE BATTERY PACK AND CONSTANT FOR EACH FIXTURE FOR BATTERY CHARGING. <input type="checkbox"/> Provide emergency ballast type 'EM' <input type="checkbox"/> Provide custom color finish, to be selected at time of submittal <input type="checkbox"/> See detail 1 E2.3
	COLUMBIA	LCAT24 SERIES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	208			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	METALUX	24CZ SERIES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	277	32		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	Or Equal		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	480			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
X	LITHONIA	EDGR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	120		LED	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LED EXIT SIGN	EDGE-LIT LED EXIT SIGN WITH BATTERY PACK, SELF-DIAGNOSTICS, GREEN ON CLEAR, NUMBER OF FACES AS REQUIRED, ALUMINUM HOUSING, PROVIDE CONSTANT HOT FOR BATTERY CHARGING. <input type="checkbox"/> Provide emergency ballast type 'EM' <input type="checkbox"/> Provide custom color finish, to be selected at time of submittal <input type="checkbox"/> See detail 1 E2.3
	ISOLITE	ELT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	208			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	DUAL LITE	LE SERIES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	277	32		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	480			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

LIGHTING FIXTURE SCHEDULE NOTES:

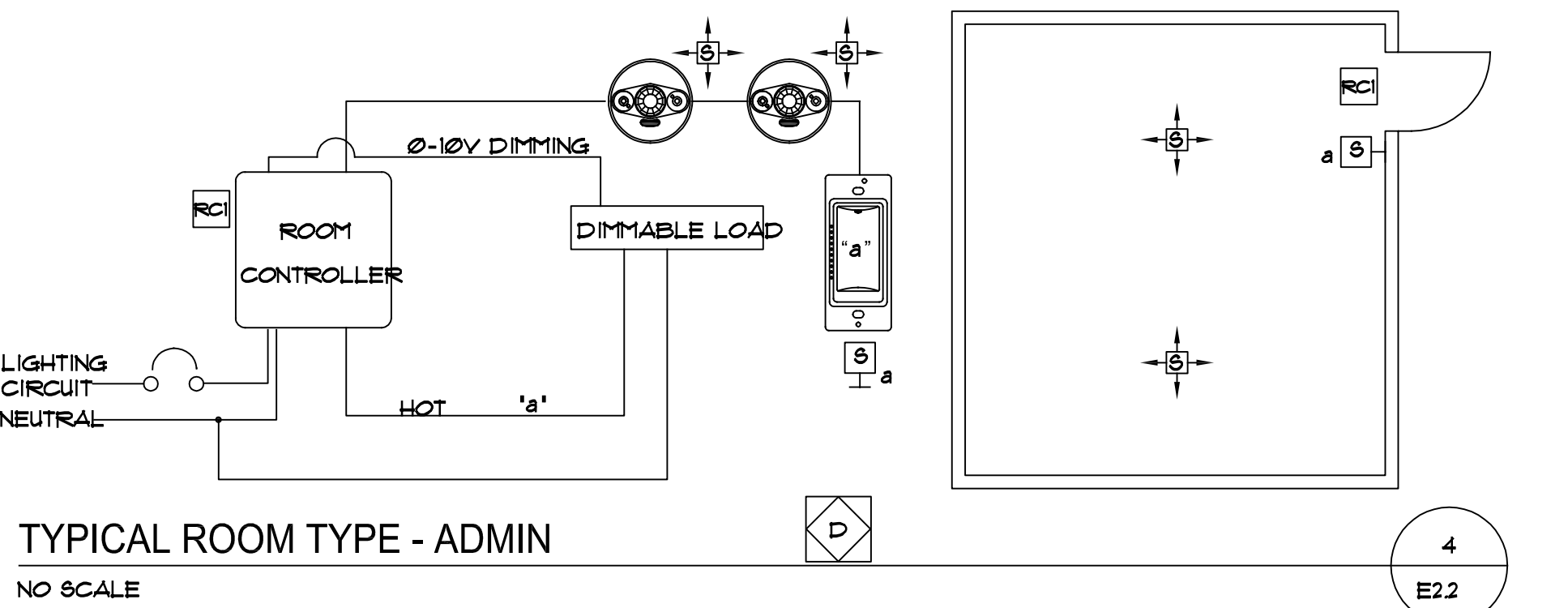
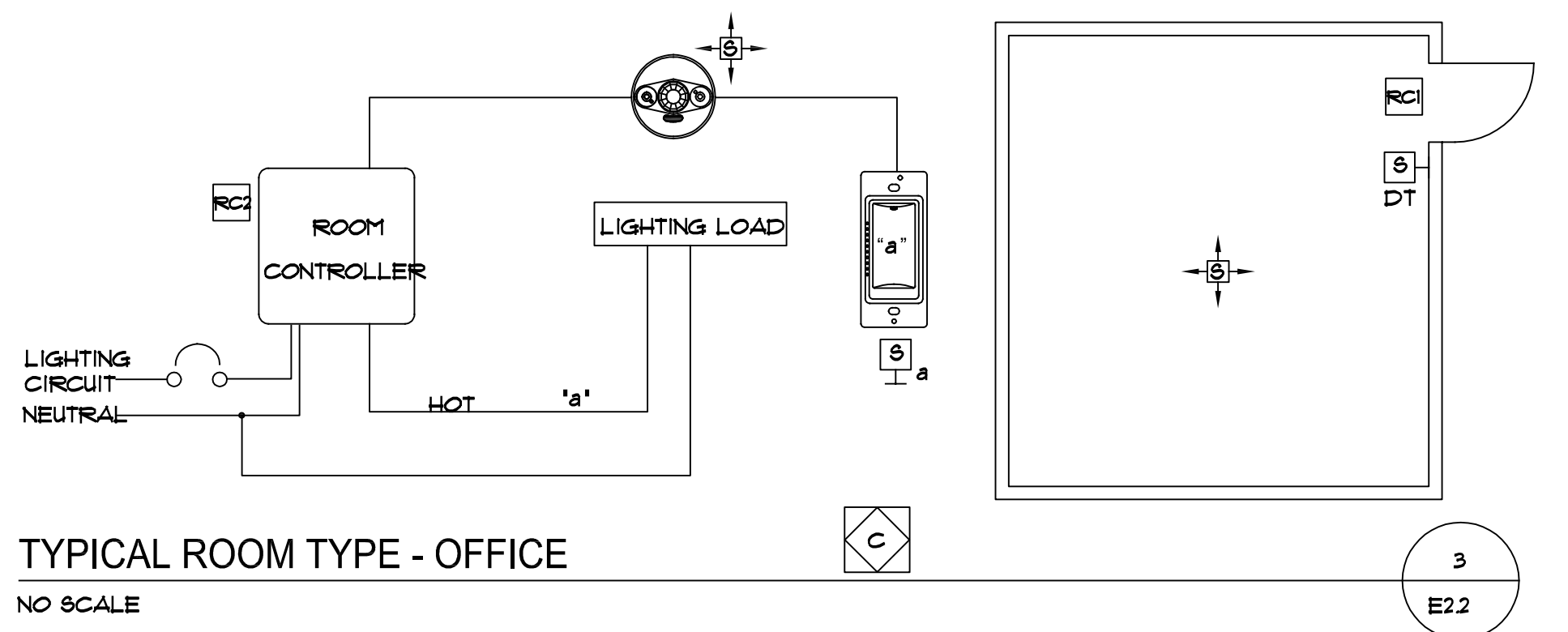
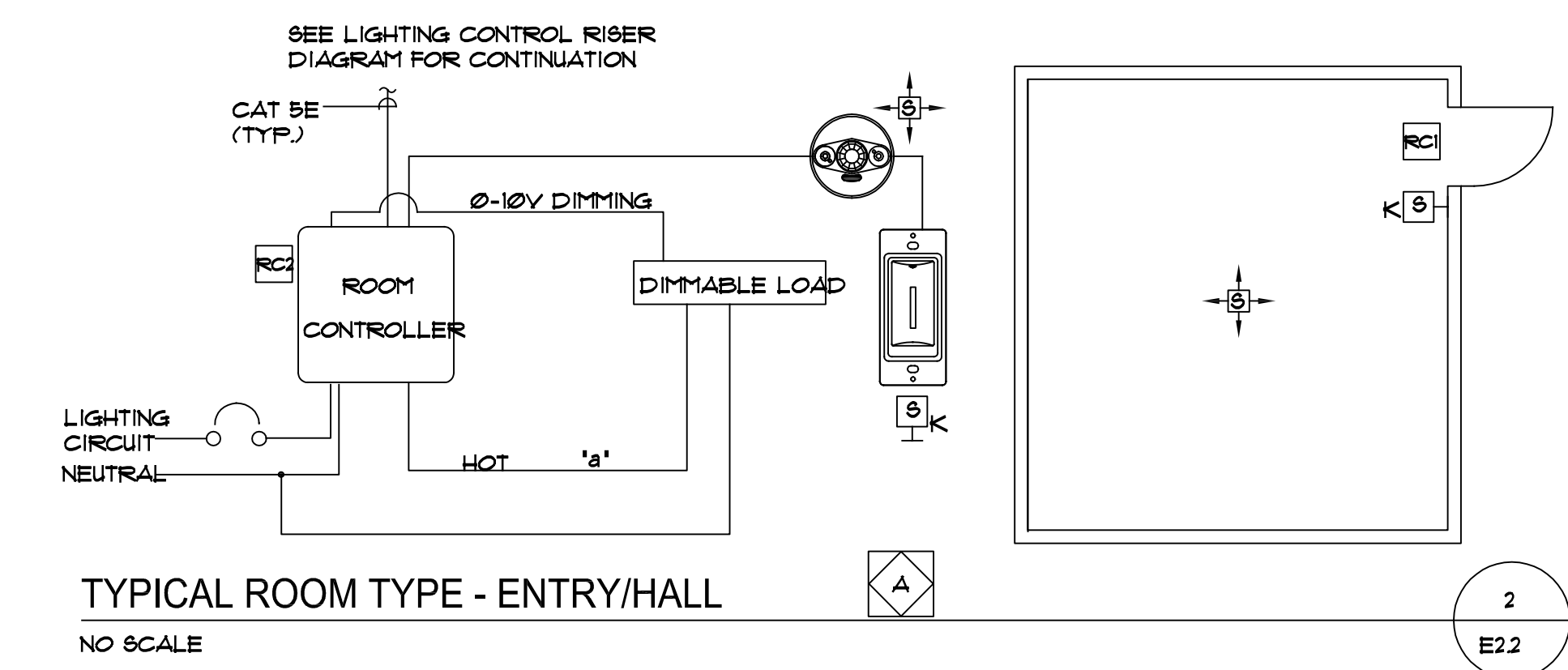
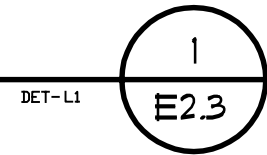
KEY NOTES

- ALTERNATE MANUFACTURERS TO THOSE SPECIFIED MAY BE SUBMITTED FOR APPROVAL. ALTERNATE MANUFACTURERS MUST MEET THE MINIMUM CRITERIA INDICATED IN THE DESCRIPTION AND OPTIONS COLUMNS OF THIS SCHEDULE, AND MUST BE EQUAL TO THE SPECIFIED FIXTURE AS DETERMINED BY THE SPECIFYING ENGINEER. (ALTERNATE FIXTURES MUST BE APPROVED PRIOR TO BID, ALLOW 72 HOURS FOR ENGINEER REVIEW AND APPROVAL.) WHERE NO KNOWN EQUAL IS INDICATED THE FIXTURE DOES NOT HAVE AN EQUAL TO MEET THE PROJECT REQUIREMENTS, AND ALTERNATE SELECTIONS WILL NOT BE ACCEPTED.
- COMPLETE CATALOG NUMBERS HAVE NOT BEEN PROVIDED, REFERENCE THE DESCRIPTION AND OPTIONS COLUMNS OF THIS SCHEDULE FOR COMPLETE FIXTURE REQUIREMENTS.
- IN ORDER FOR EQUAL TO BE APPROVED, LIGHT FIXTURE MUST BE SIMILAR PHYSICALLY, HAVE A SIMILAR WATTAGE AND LIGHTING FIXTURE REPRESENTATIVE MUST PROVIDE A POINT TO POINT LIGHTING CALCULATION SHOWING THAT THE EQUAL PRODUCES A SIMILAR NUMBER OF FOOTCANDLES AS THE SPECIFIED FIXTURE. PROVIDE SUBSTITUTION REQUEST AS PER SPECIFICATIONS.

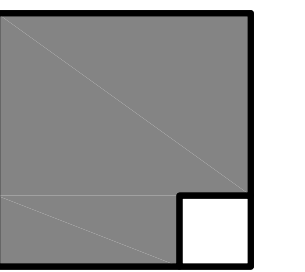


FLUORESCENT FIXTURE SEISMIC RESTRAINT DETAIL

NO SCALE

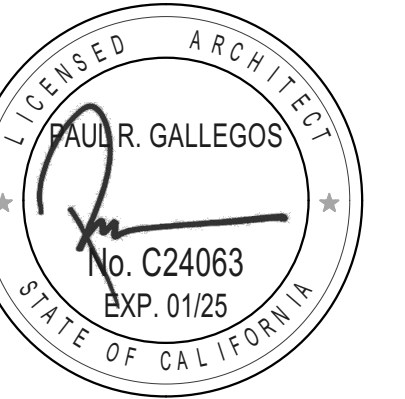


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3291 BUCKMAN SPRINGS RD PINE VALLEY CA 91962

REVISIONS	
MARK	DESCRIPTION

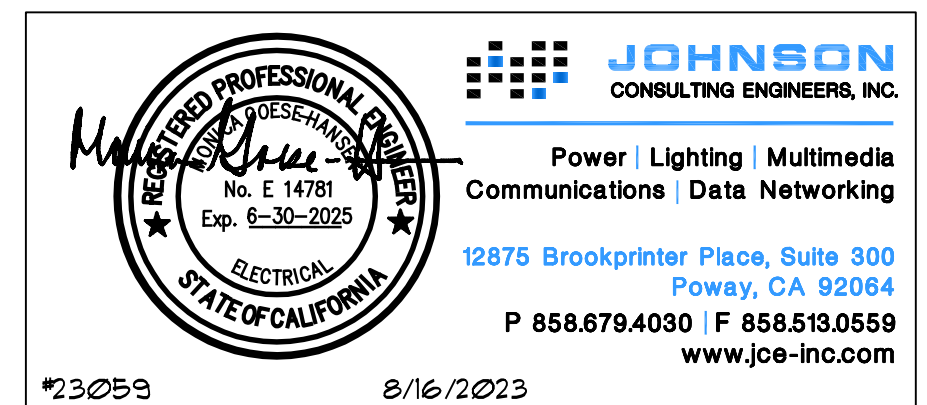
PROJECT NO: 23-027
MODEL FILE:
23-027 MEUSD Descanso ES_DRAFT_23-06-28.pln

PLOT DATE:
7/12/2023

SHEET TITLE

LIGHTING FIXTURE
SCHEDULE, DETAILS
& CONTROL

E-2.2



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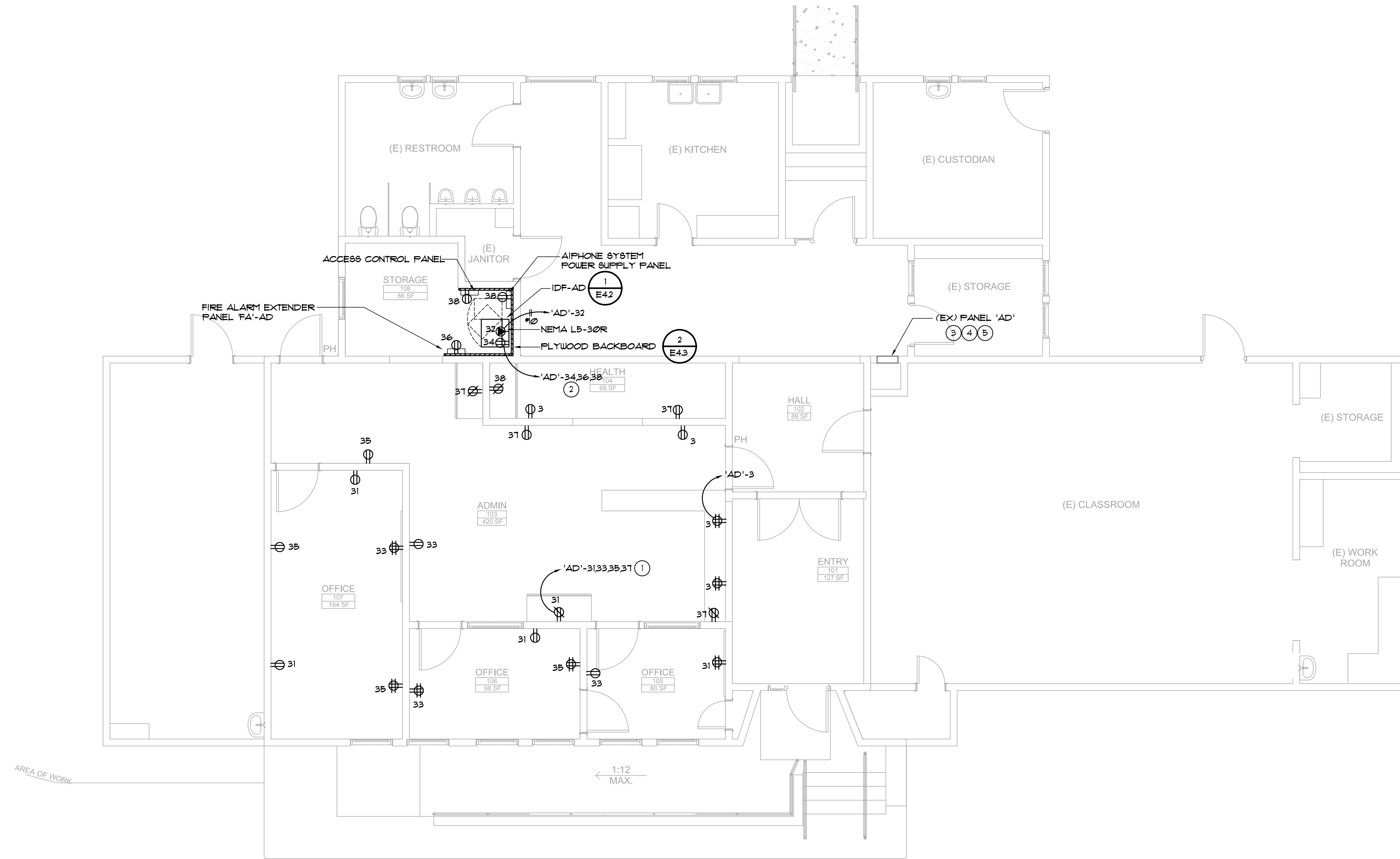
7/16/2023

GENERAL NOTES:

1. REFERENCE ARCHITECTURAL INTERIOR ELEVATIONS FOR EXACT LOCATION OF ALL WALL MOUNTED POWER DEVICES WHERE INDICATED AT MOUNTING HEIGHTS OTHER THAN 48".
2. NUMBERS ADJACENT TO EACH POWER DEVICE INDICATES THE CIRCUIT NUMBER TO WHICH THE DEVICE IS TO BE CONNECTED.
3. CIRCUIT HOMERUNS ARE INDICATED TO SHOW THE LOCATION AND NUMBER OF CIRCUITS TO BE GROUPED TOGETHER.
4. PROVIDE MINIMUM 3/4" CONDUIT AND #12 CIRCUIT CONDUCTORS AS REQUIRED TO CONNECT EACH POWER DEVICE TO THEIR INDICATED CIRCUIT (UON).
5. FIELD VERIFY EXACT ROUTING LOCATION FOR CONCEALED CONDUITS AND RECEPTACLES PRIOR TO ROUGH-IN.

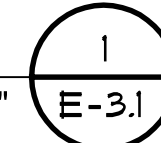
KEY NOTES:

- ① 4 #12 (HOT), 2 #10 (NEUTRAL), 1 #2 (GND), 3/4" C.
- ② 3 #12 (HOT), 1 #10 (NEUTRAL), 1 #2 (GND), 3/4" C.
- ③ PROVIDE 20A/1P RED LOCK ON BREAKER AT CIRCUIT #36 FOR THE FIRE ALARM PANEL.
- ④ PROVIDE 30A/1P BREAKER AT CIRCUIT #32.
- ⑤ PROVIDE (1) 20A/1P BREAKERS AT CIRCUIT #3, #31, #33, #35, #37, #34, #28.

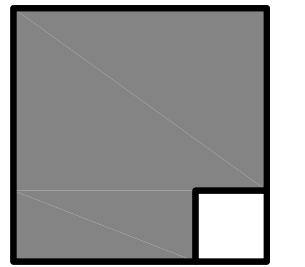


FLOOR PLAN - POWER

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

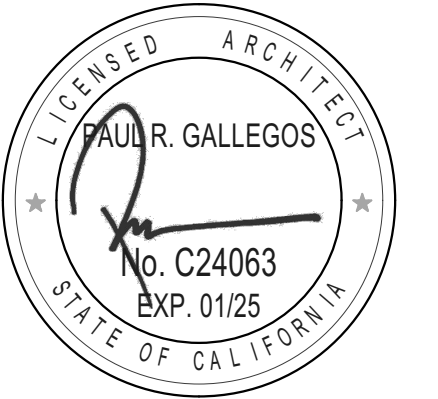


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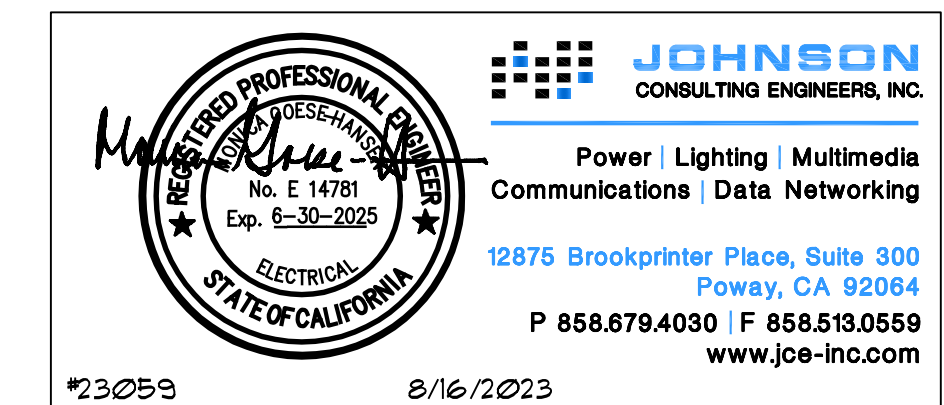
REVISIONS	
MARK	DESCRIPTION

PROJECT NO: 23-027
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23-027 MEUSD Descanso ES_DRAFT_23-06-28.pln
PLOT DATE:
7/12/2023

SHEET TITLE

FLOOR PLAN -
POWER

E-3.1



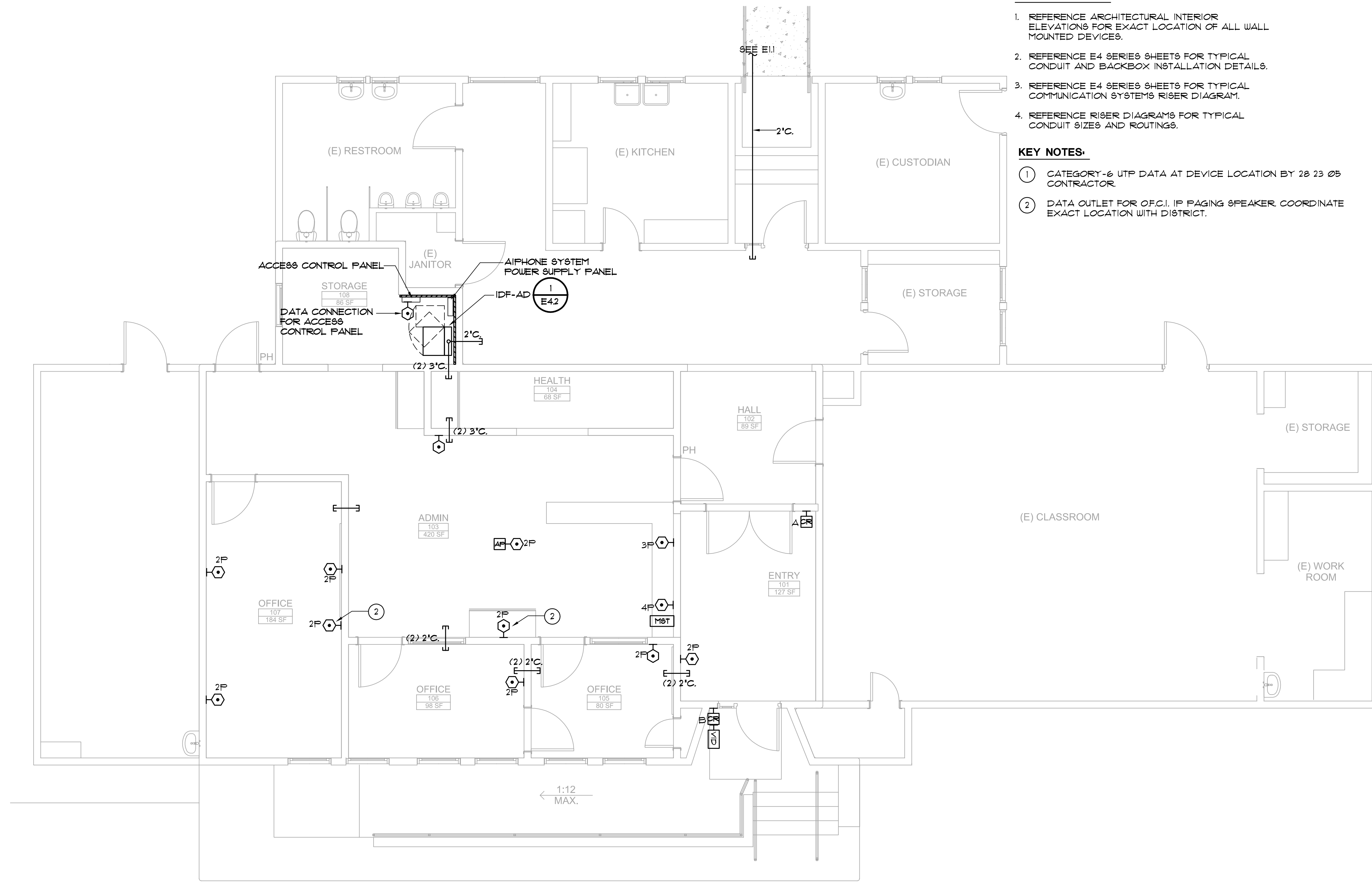
BACKBOX AND RING LEGEND	
TYPE	DESCRIPTION
'B1'	4 11/16" square 2 1/8" deep box with single gang ring.
'B2'	4 11/16" square 2 1/8" deep box with dual gang ring.
'B3'	4" square 1 1/2" deep box with single gang ring.
'B4'	Single gang box, 2 1/8" deep.
'B5'	4 11/16" square 3" deep box with dual gang ring.
'C2'	Provided by 21 10 00 contractor.
'C3'	Provided by 21 10 00 contractor.
'C4'	Provided by 28 16 00 contractor.
'C5'	Provided by 28 23 00 contractor.

TECHNOLOGY SYMBOL LEGEND				
SYMBOL	DESCRIPTION	BACKBOX & RING	FACE PLATE	CONDUIT / RACEWAY
	Dual port data outlet, 48" AFF. (U.O.N.)	Type 'B1'	Type 'AR'	Type '1-8'
	Single port data outlet, 48" AFF. (U.O.N.)	Type 'B1'	Type 'AR'	Type '1-8'
	Dual port data outlet at Wireless Access Point location mounted in accessible ceiling (U.O.N.)	See detail 1 E43	See detail 1 E43	Not required in accessible ceiling.
	Conduit stubbed above ceiling sleeved through walls			Provide (1) 3" conduit for open wire communications system wiring (U.O.N.)
	Conduit stubbed above ceiling			3/4" conduit stubbed from device to specific ceiling area.
	Conduit stubbed above ceiling sleeved through walls			Multiple conduits for open low voltage wiring, size and quantity as indicated.

COMMUNICATION / SECURITY SYMBOL LEGEND				
SYMBOL	DESCRIPTION	BACKBOX & RING	FACE PLATE	CONDUIT / RACEWAY
	IP-BASED VIDEO CALL STATION WALL MOUNTED 48" AFF TO CALL BUTTON (U.O.N.)	NOT REQUIRED AT VIDEO CALL STATION	TYPE 'C4'	CONDUIT PROVIDED FOR DATA CABLING
	IP-BASED VIDEO ATTENDANT MASTER STATION-DESK TOP UNIT	N/A	N/A	N/A
	Card reader for double door 48" AFF (U.O.N.)	See Details 142 E45	Type 'C4'	See Details 142 E45
	Card reader for single door 48" AFF (U.O.N.)	See Details 344 E45	Type 'C4'	See Details 344 E45

FACEPLATE LEGEND	
TYPE	DESCRIPTION
'AR'	As required to accommodate the number of ports designated.

CONDUIT / RACEWAY LEGEND	
TYPE	DESCRIPTION
'3/4-8'	3/4" conduit stubbed from box into accessible ceiling space, unless detailed otherwise on drawings.
'1-8'	1" conduit stubbed from box into accessible ceiling space, unless detailed otherwise on drawings.
'1 1/4-8'	1 1/4" conduit stubbed from box into accessible ceiling space, unless detailed otherwise on drawings.



GENERAL NOTES:

- REFERENCE ARCHITECTURAL INTERIOR ELEVATIONS FOR EXACT LOCATION OF ALL WALL MOUNTED DEVICES.
- REFERENCE E4 SERIES SHEETS FOR TYPICAL CONDUIT AND BACKBOX INSTALLATION DETAILS.
- REFERENCE E4 SERIES SHEETS FOR TYPICAL COMMUNICATION SYSTEMS RISER DIAGRAM.
- REFERENCE RISER DIAGRAMS FOR TYPICAL CONDUIT SIZES AND ROUTINGS.

KEY NOTES:

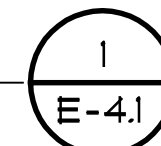
- CATEGORY -6 UTP DATA AT DEVICE LOCATION BY 28 23 00 CONTRACTOR.
- DATA OUTLET FOR O.F.C.I. IP PAGING SPEAKER COORDINATE EXACT LOCATION WITH DISTRICT.

GENERAL NOTES:

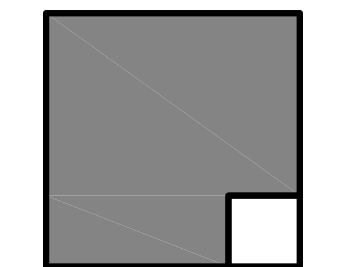
- ALL CONDUITS WHICH ARE REQUIRED AS A PART OF SYSTEMS SPECIFIED FOR COMMUNICATIONS, TELEPHONE, INTERCOM, CLOCK FIRE ALARM, SECURITY, SOUND SYSTEMS, DATA NETWORKING, OR AUDIO-VISUAL SYSTEMS SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
 - THE ELECTRICAL CONTRACTOR SHALL COORDINATE ALL CONDUIT REQUIREMENTS WITH EACH SYSTEM SUPPLIER PRIOR TO BID TO DETERMINE SPECIAL CONDUIT SYSTEM REQUIREMENTS.
 - THE ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT SLEEVES FOR ALL OPEN CABLE INSTALLATIONS THROUGH RATED WALLS, BLOCK WALLS AND WHERE SHOWN ON THE DRAWINGS. PROVIDE CONDUIT FROM EACH BUILDING MAIN TERMINATION CABINET OR BACKBOARD TO THE NEAREST ACCESSIBLE CEILING FOR ACCESS INTO ALL ELECTRICAL OR COMMUNICATIONS ROOMS.
 - ALL CONDUIT, BOXES, AND RINGS SHALL BE FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR.
 - ALL BLANK PLATES SHALL BE FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR (UNLESS OTHERWISE NOTED)
 - ALL CONDUITS SHALL BE FURNISHED WITH FULL STRINGS BY ELECTRICAL CONTRACTOR. COMMUNICATION CONTRACTOR TO PROVIDE POLYARIMIO PULL TAPE WITH NEW CABLING INTO ALL CONDUITS BETWEEN BUILDINGS. SEE SPECIFICATIONS FOR REQUIREMENTS.
 - CONTRACTOR TO REVIEW ARCHITECTURAL CEILING PLANS TO DETERMINE LOCATIONS OF ACCESSIBLE CEILING PRIOR TO BID.
 - (21000) NUMBERS INDICATE MATCHING SPECIFICATION SECTION RESPONSIBLE FOR THIS WORK.
- IN ADDITION TO THE ABOVE REQUIREMENTS, THE FOLLOWING REQUIREMENTS SHALL APPLY TO ALL DATA/VOICE, PAGING, AUDIO-VISUAL, SECURITY AND CLOCK CONDUITS.
 - FLEXIBLE METAL CONDUIT MAY BE USED ONLY WHERE REQUIRED AT BUILDING SEISMIC AND/OR EXPANSION JOINTS.
 - ALL UNDERGROUND CONDUITS SHALL BE PROVIDED WITH MINIMUM 24" RADIUS ELBOWS.
 - NO LENGTH OF CONDUIT SHALL BE INSTALLED TO EXCEED 150 FEET BETWEEN FULL BOXES, OR POINTS OF CONNECTION, UNLESS WHERE SPECIFICALLY DETAILED ON THE DRAWINGS.
 - NO LENGTH OF CONDUIT SHALL BE INSTALLED TO EXCEED TWO 90 DEGREE BENDS BETWEEN FULL BOXES, OR POINTS OF CONNECTION, UNLESS WHERE SPECIFICALLY DETAILED ON THE DRAWINGS.

FLOOR PLAN - COMM.

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

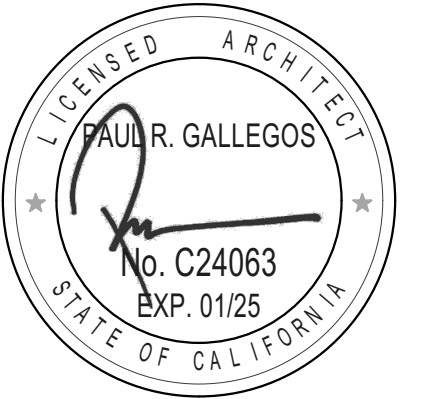


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REVISIONS	
MARK	DESCRIPTION

PROJECT NO: 23-027

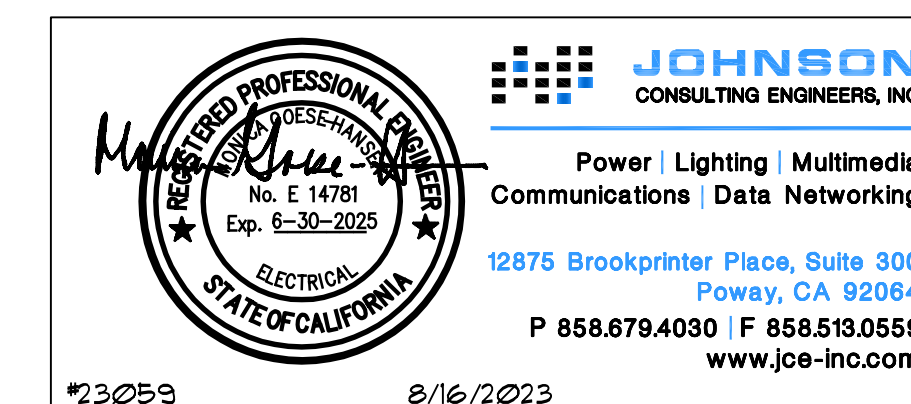
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PLOT DATE:
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SHEET TITLE

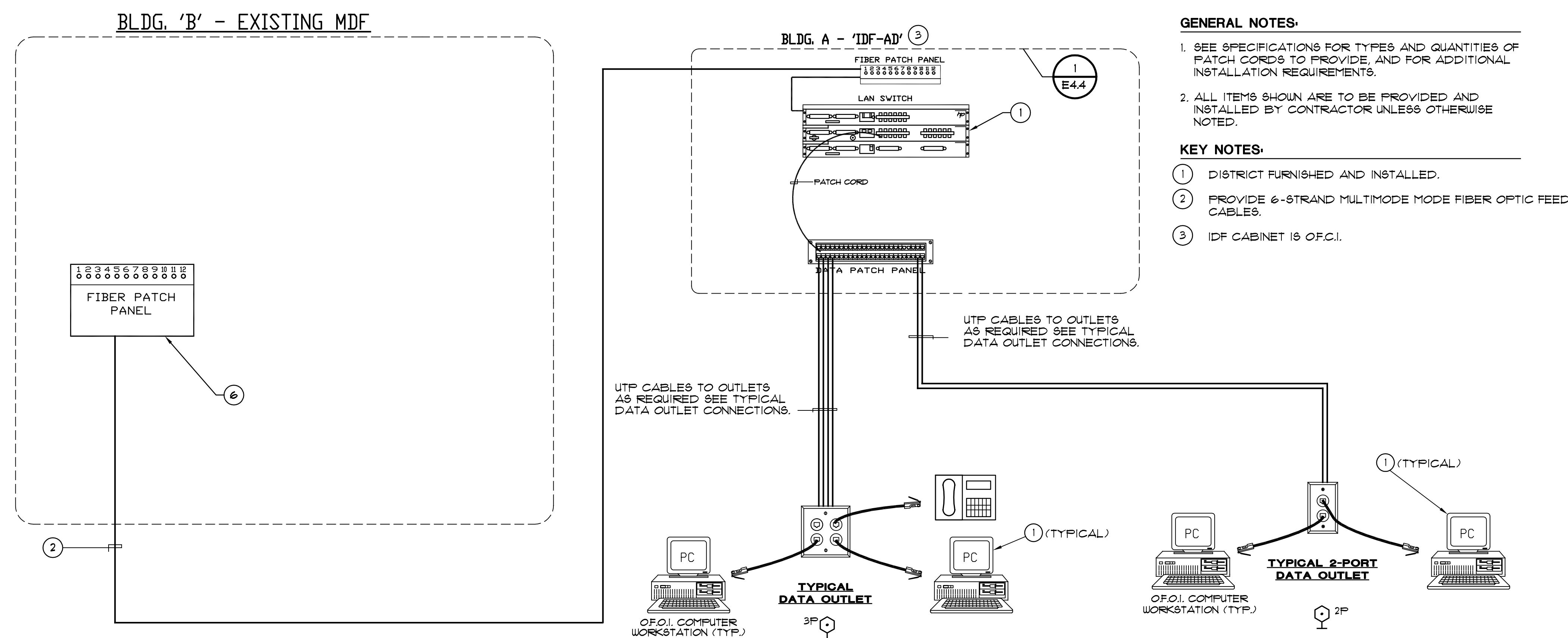
FLOOR PLAN - COMM.
& COMM. SYMBOL
AND LEGEND

E-4.1



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DATA NETWORKING WIRING DIAGRAM

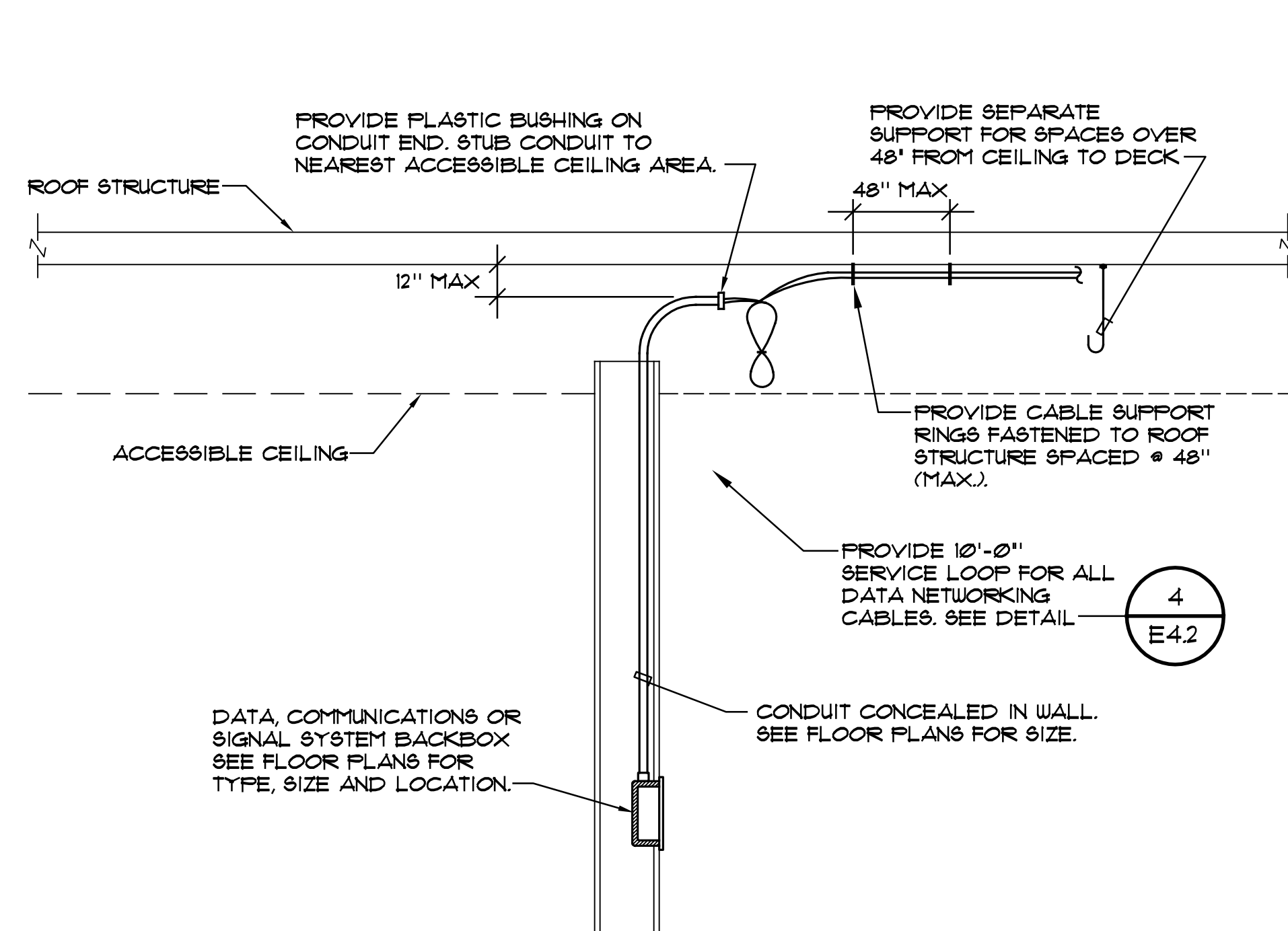
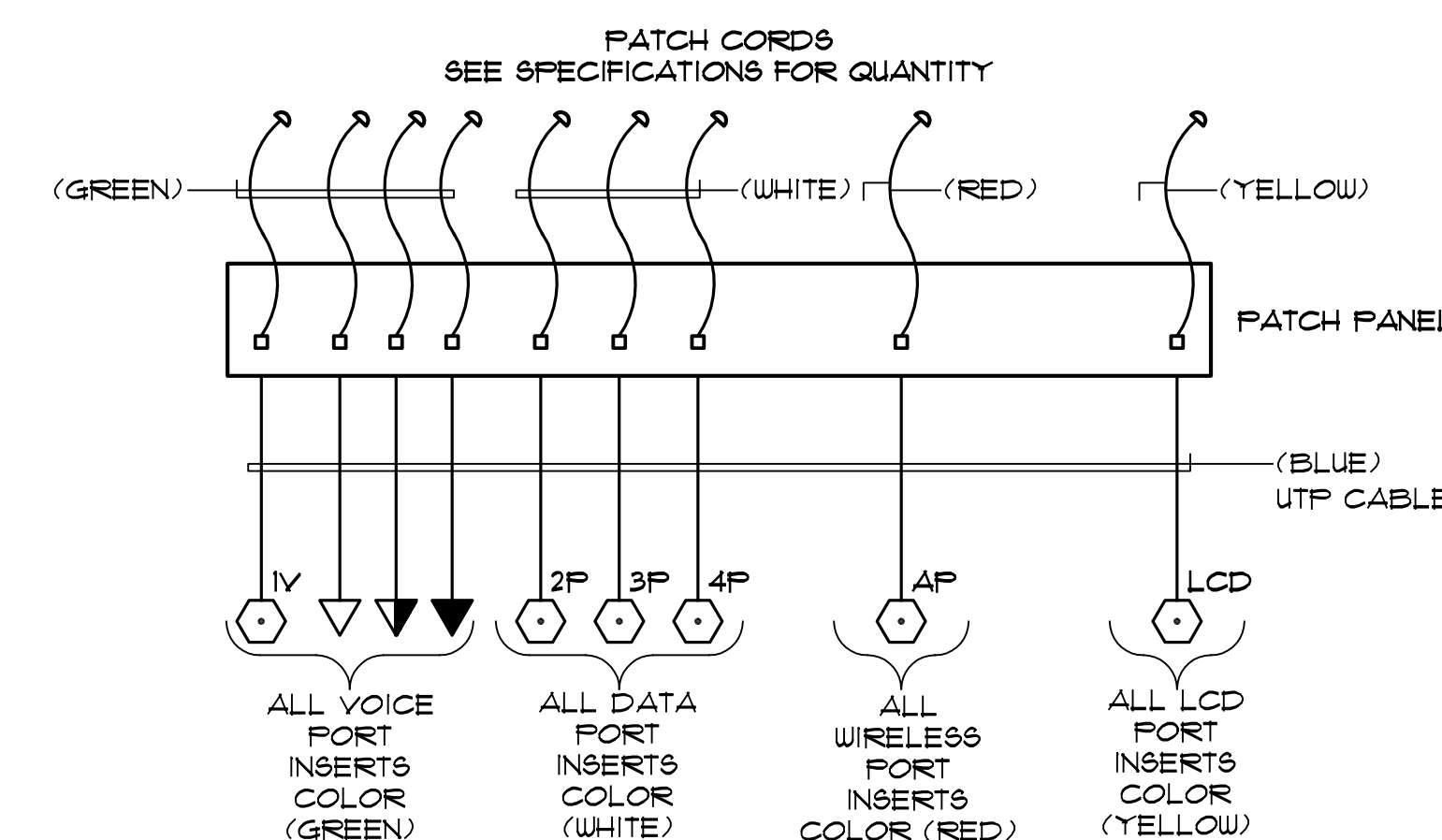
NO SCALE

1
E-4.2

TYPICAL CABLE/INSERT COLOR SCHEME DETAIL

NO SCALE

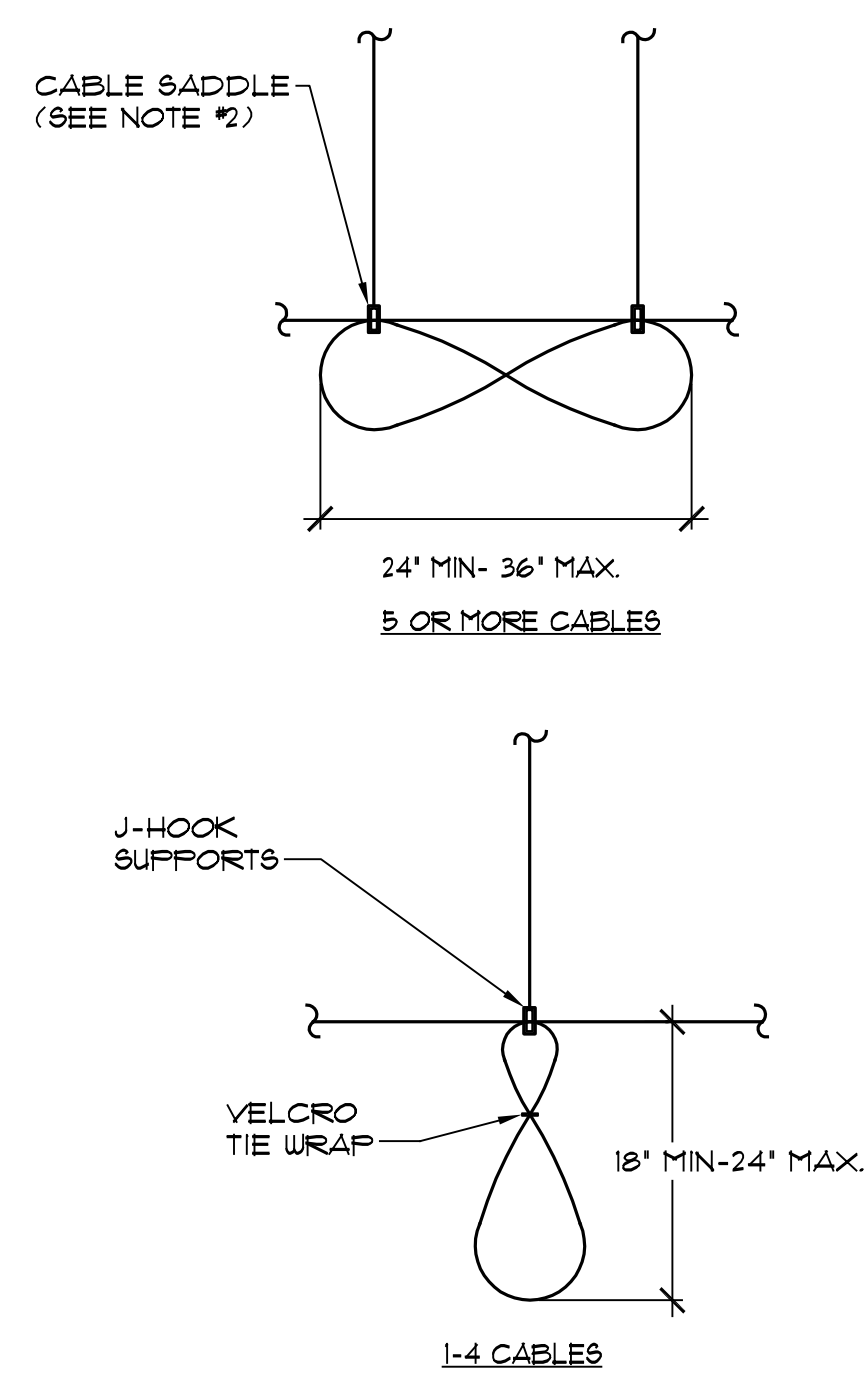
2
E-4.2



COMMUNICATIONS SYSTEM OPEN WIRE/CONDUIT STUB TYPICAL DETAIL

NO SCALE

3
E-4.2



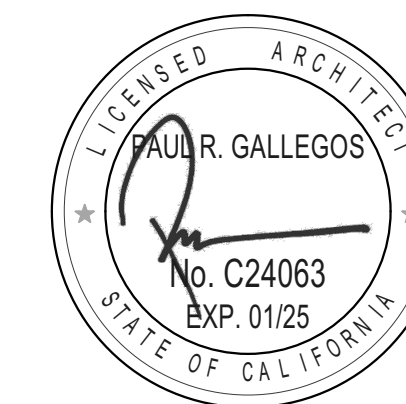
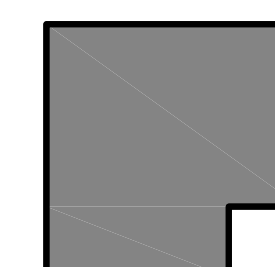
TYPICAL SERVICE LOOP

NO SCALE

4
E-4.2

NOTE:

- ALL SERVICE LOOPS SHALL BE FORMED IN FIGURE 8 CONFIGURATION
- SADDLE SHALL BE SIZED TO HOLD QUANTITY OF CABLES REQUIRED PER MANUFACTURE REQ.



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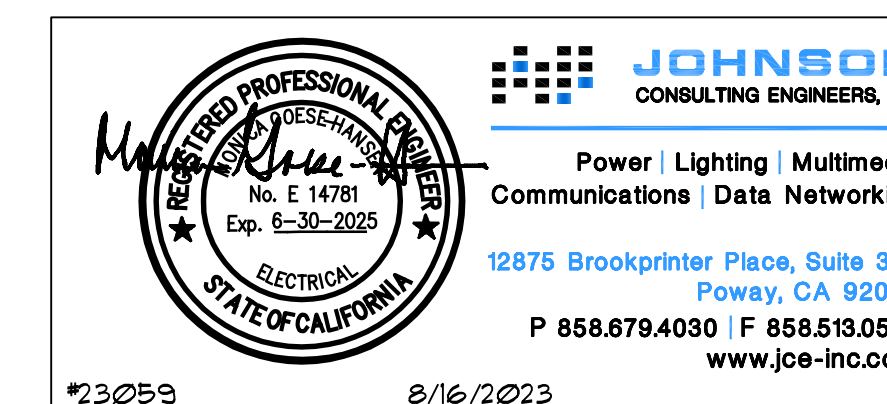
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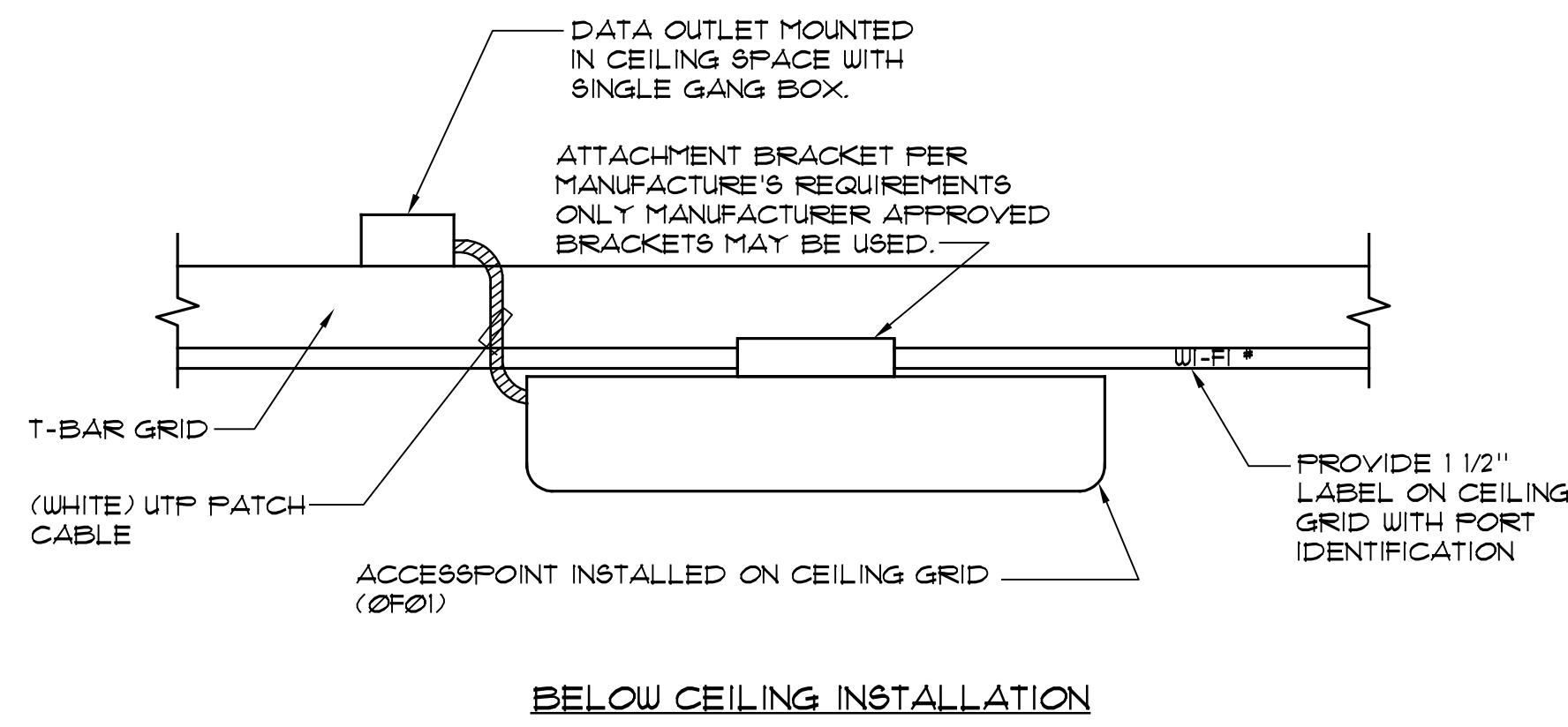
PLOT DATE:
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SHEET TITLE

**COMMUNICATION
DETAILS**

E-4.2

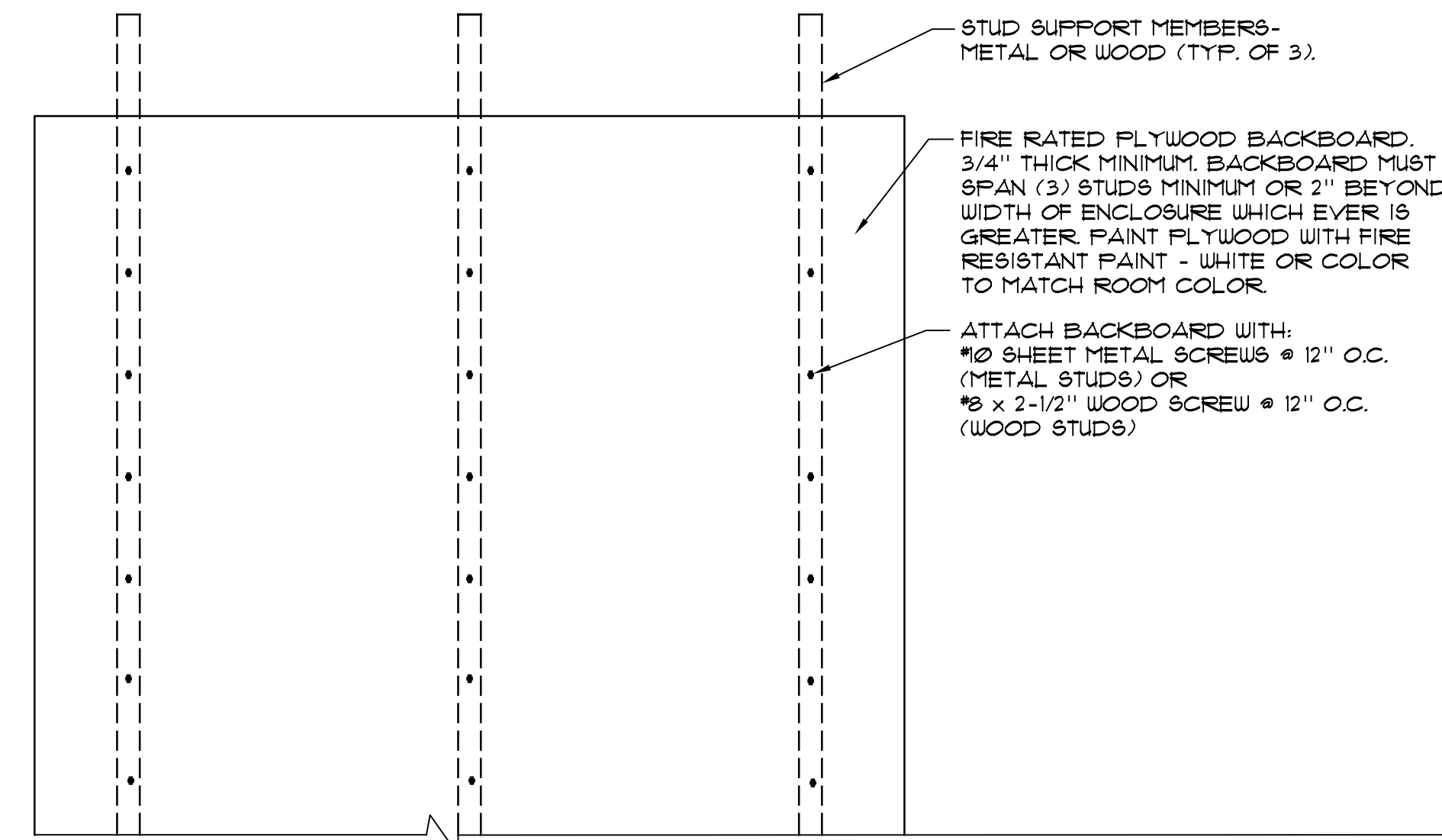




WIRELESS ACCESS POINT ANTENNA MOUNTING DETAILS

NO SCALE

1
E-4.3

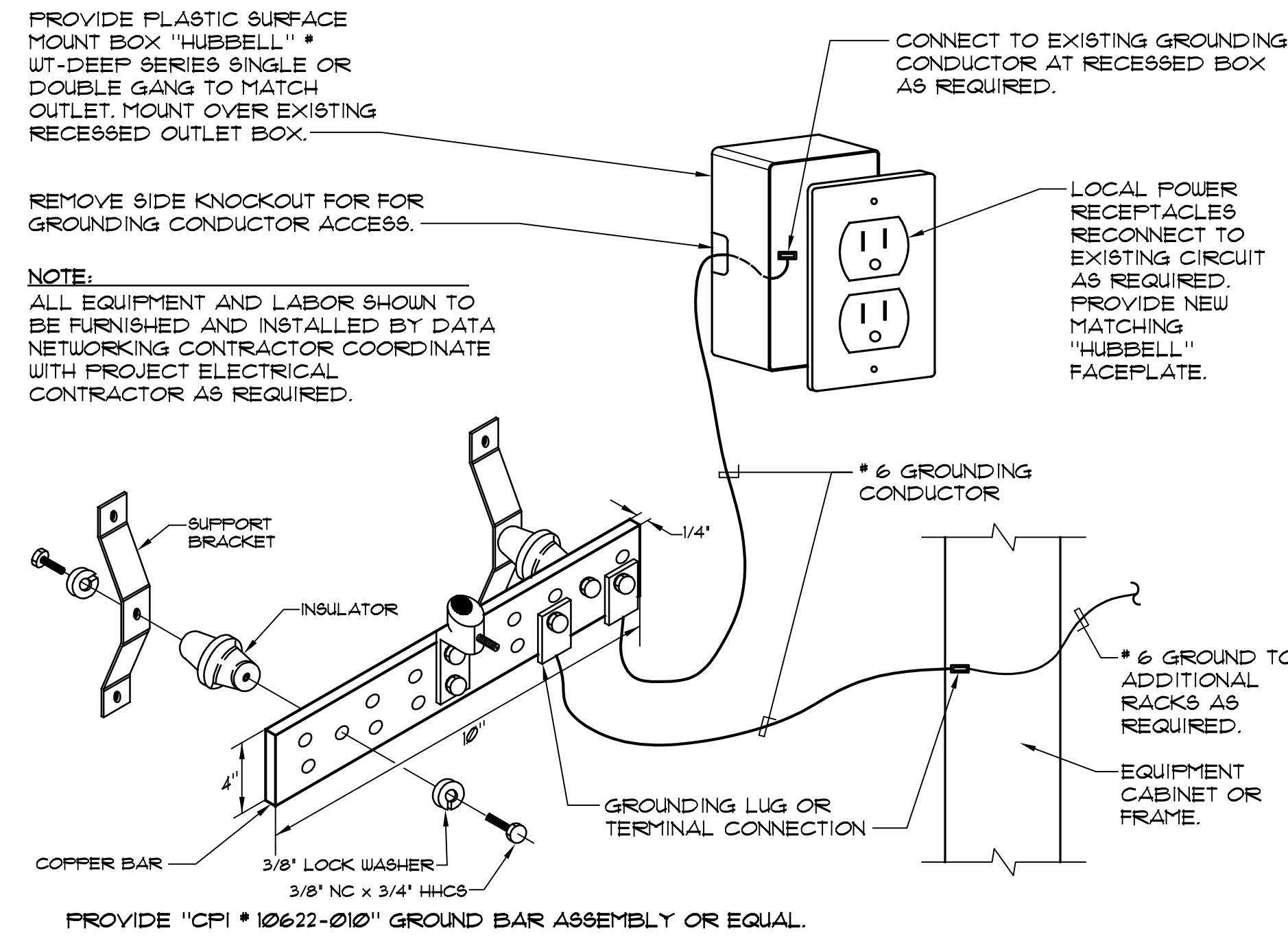


- NOTES:**
1. REFERENCE EQUIPMENT RACK DETAILS FOR REQUIRED BACKBOARD HEIGHT.
 2. REFERENCE FLOOR PLANS FOR BACKBOARD WIDTH REQUIRED FOR COVERING LARGER WALL AREAS THAN FOR ISOLATED EQUIPMENT INSTALLATIONS.

TYPICAL BACKBOARD DETAIL

NO SCALE

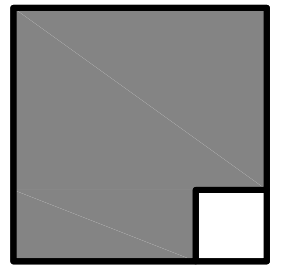
2
E-4.3



DATA / COMMUNICATIONS GROUNDING DETAIL

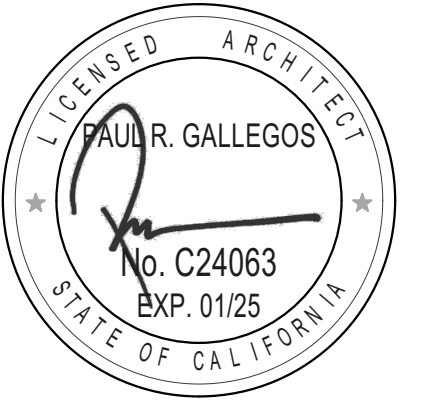
NO SCALE

3
E-4.3



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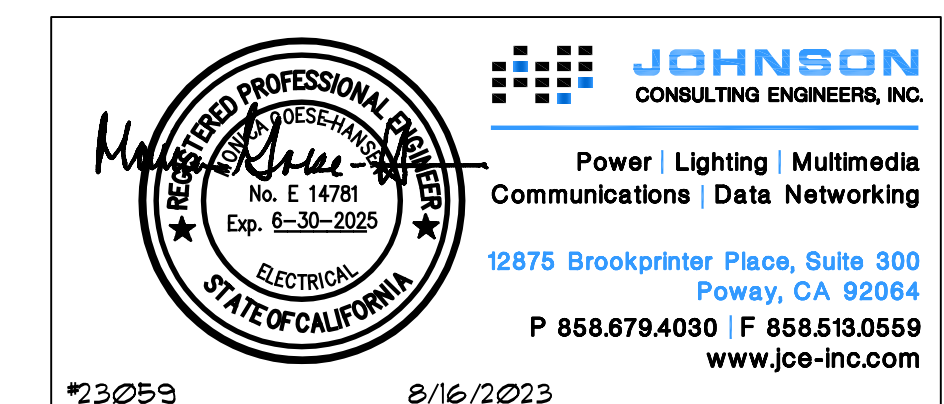
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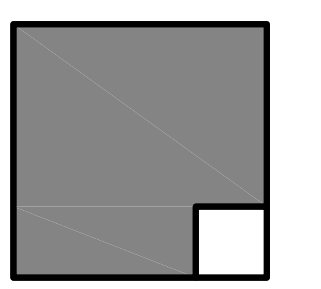
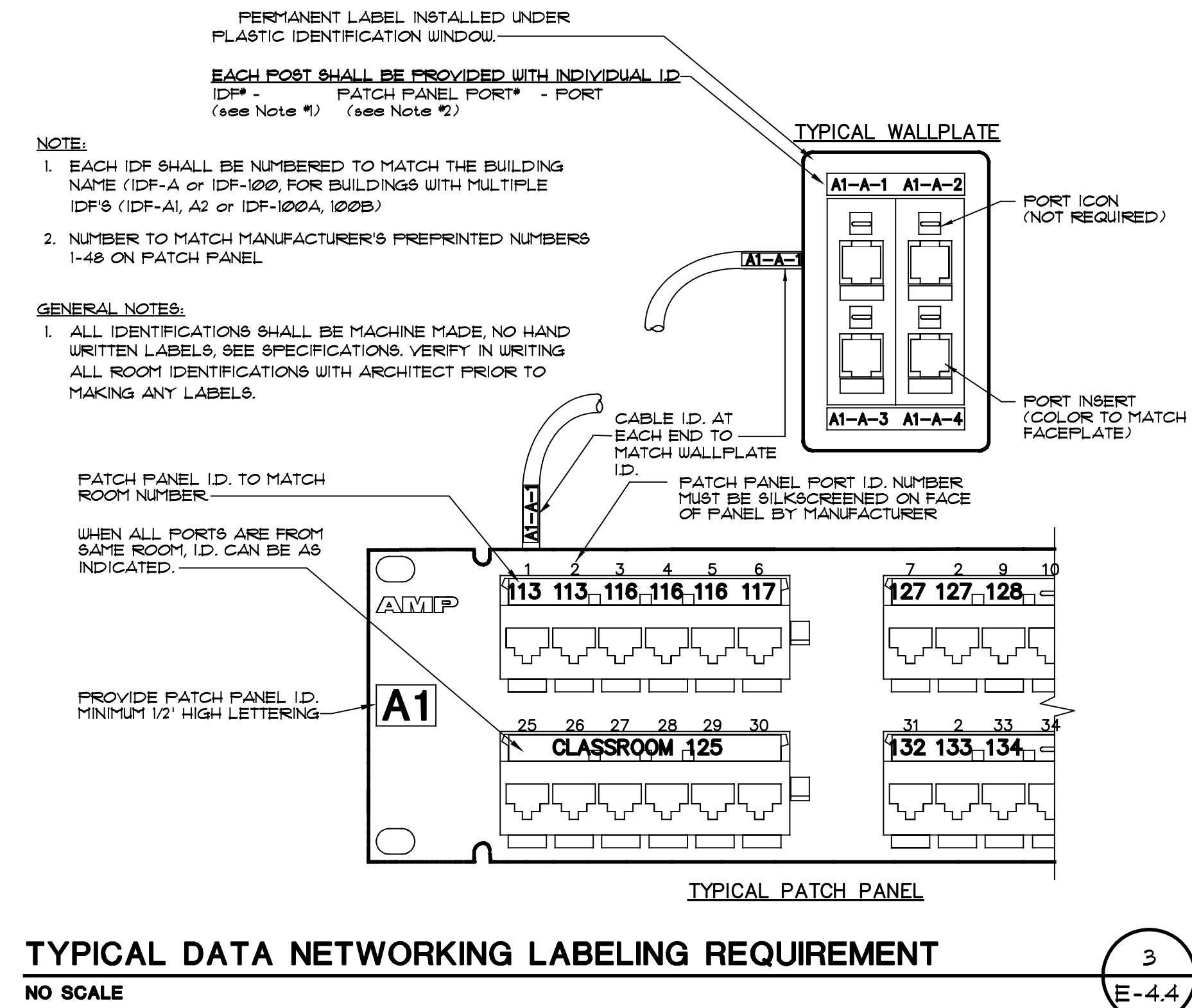
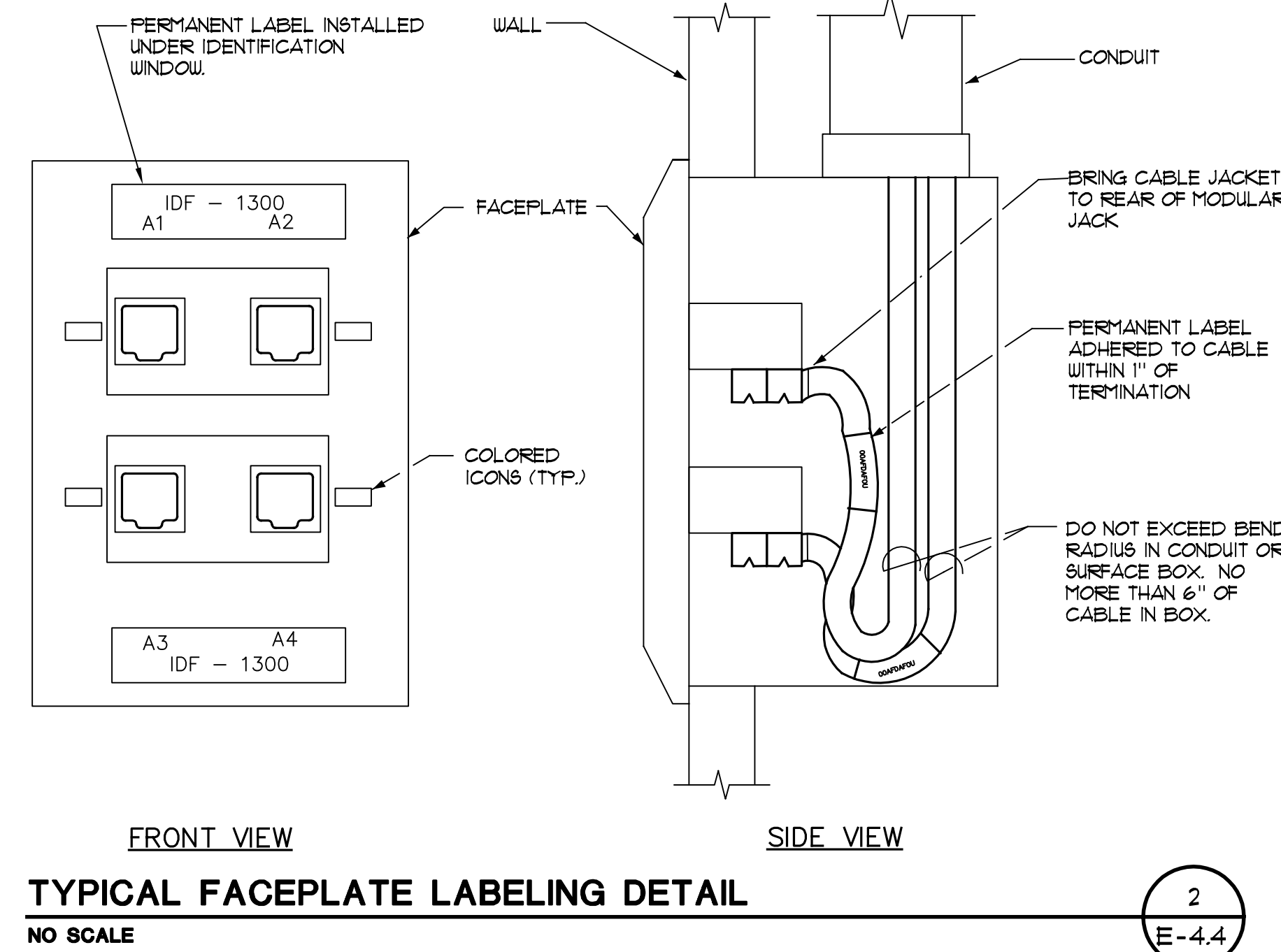
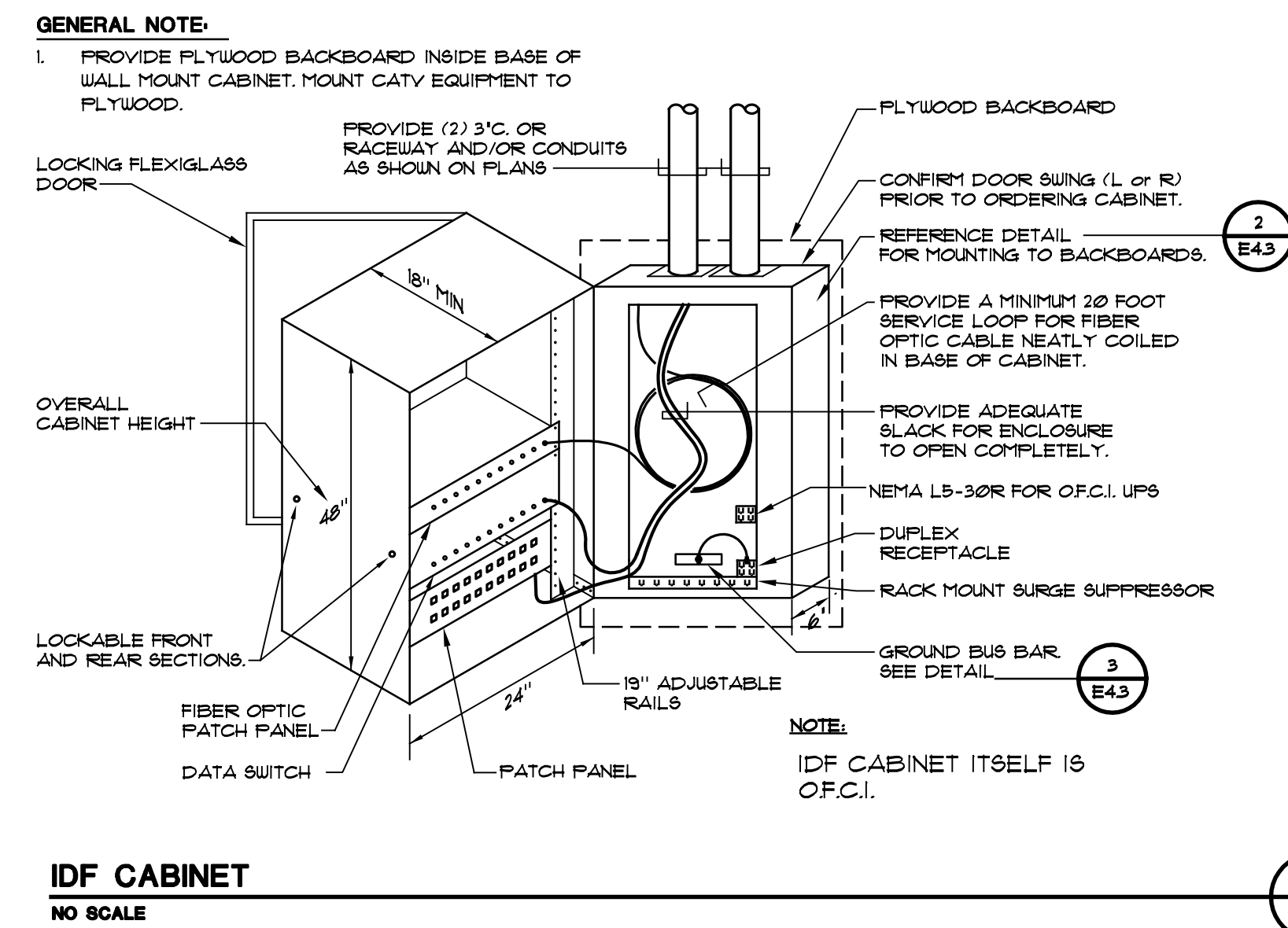
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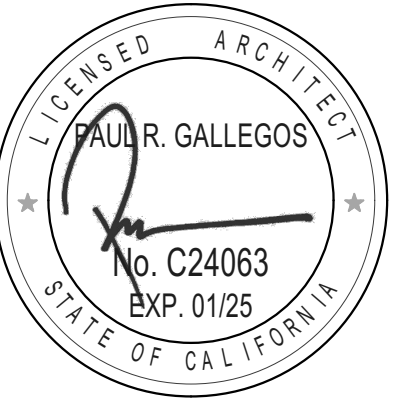
E-4.3



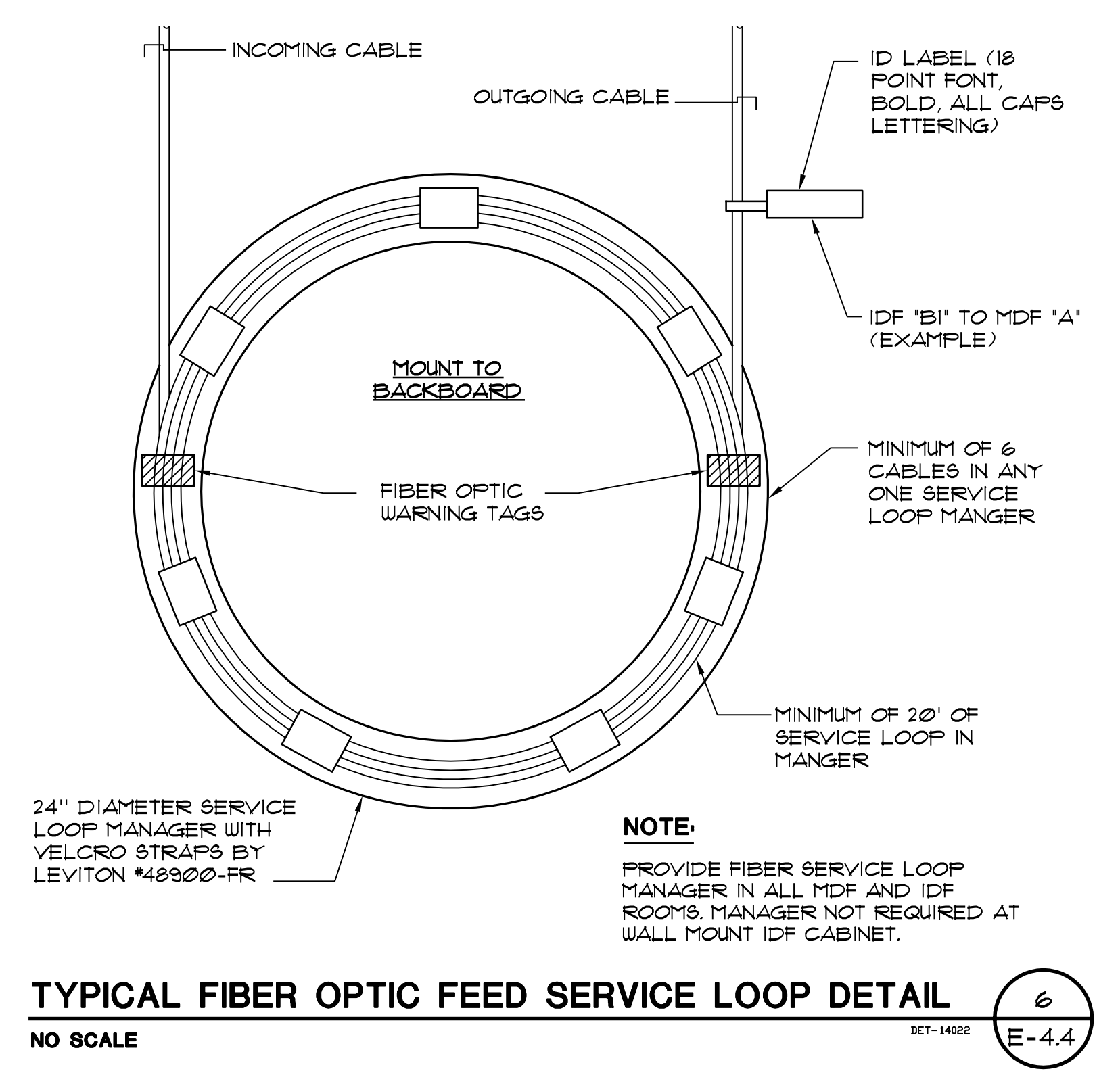
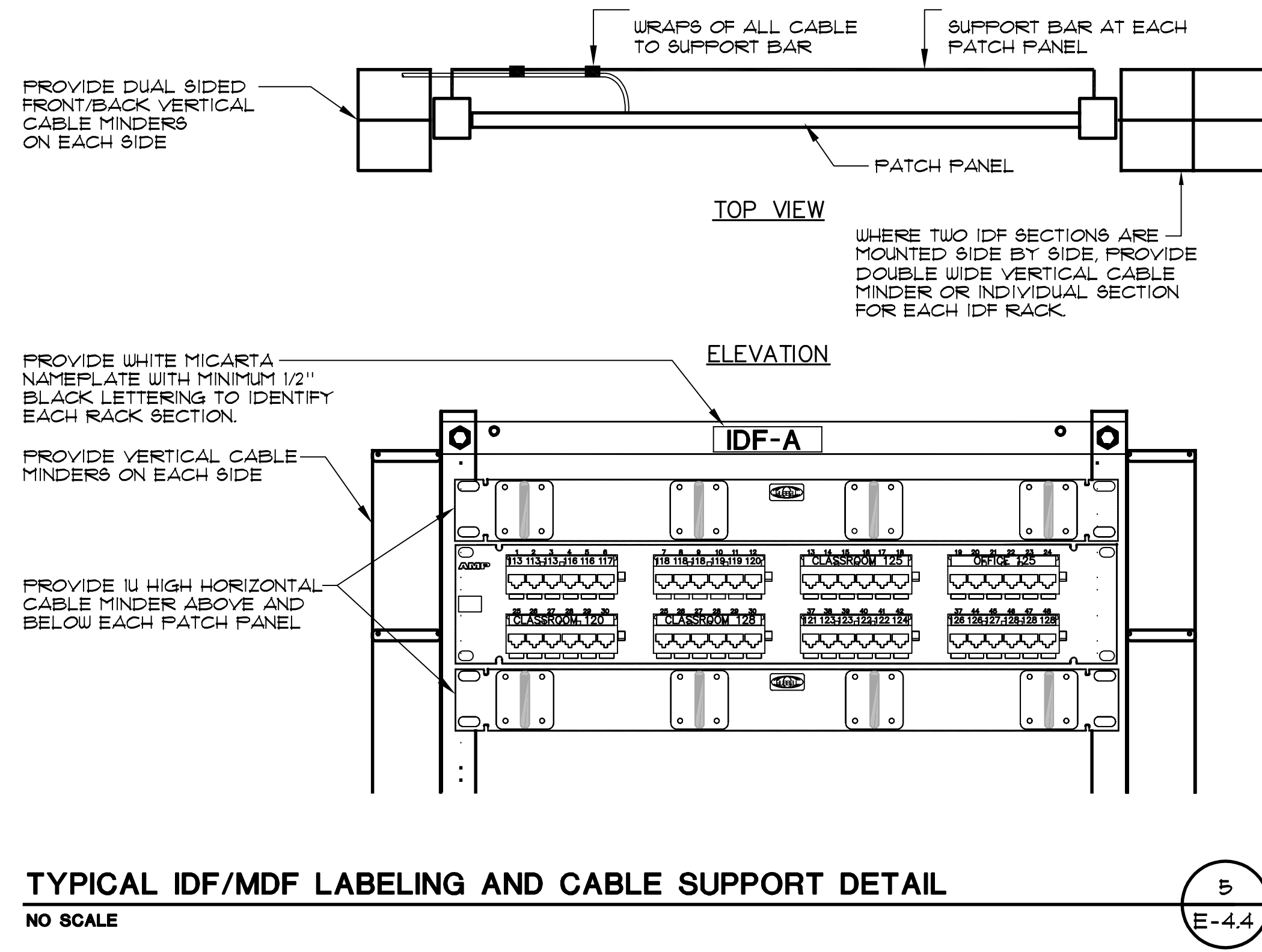
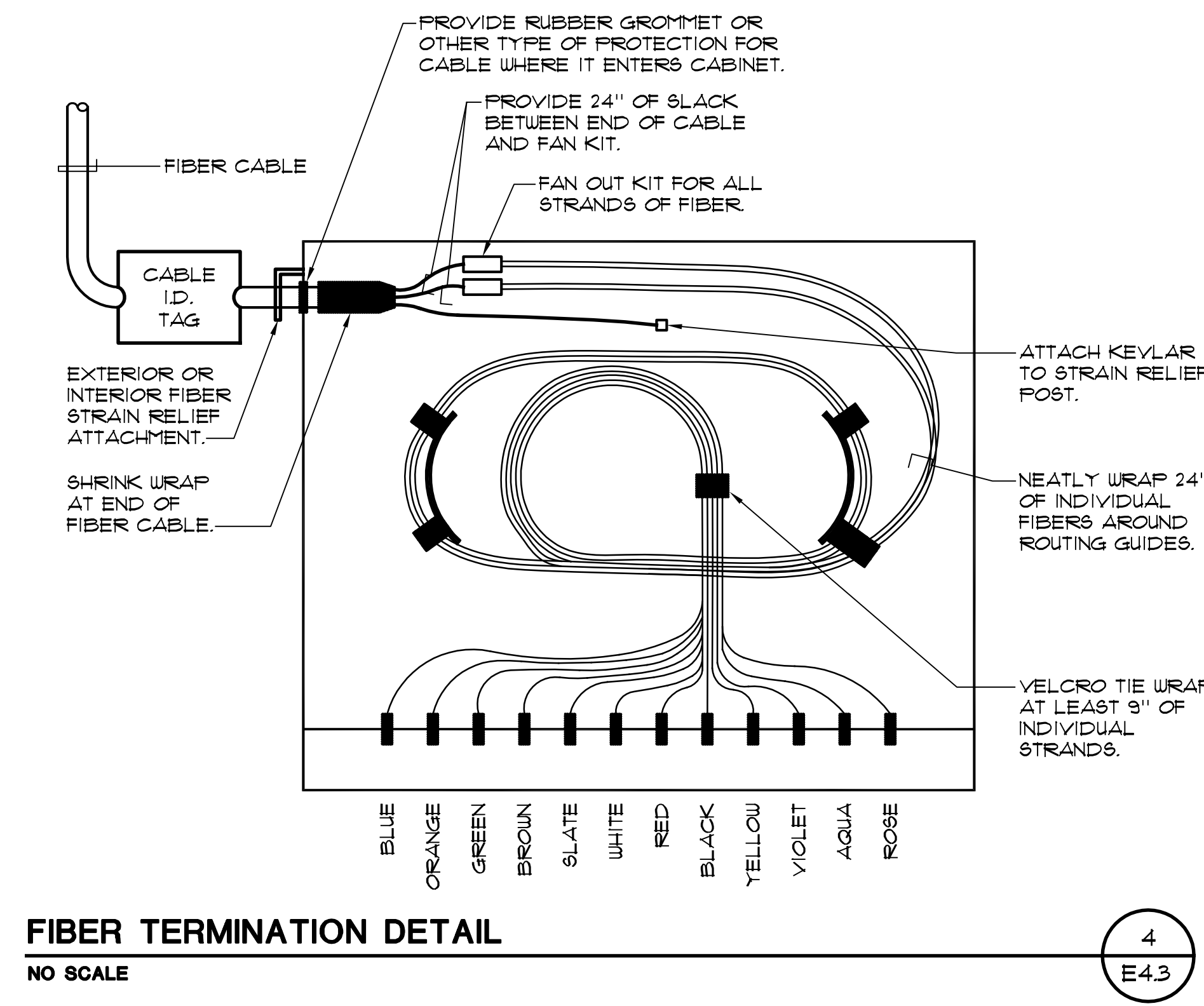


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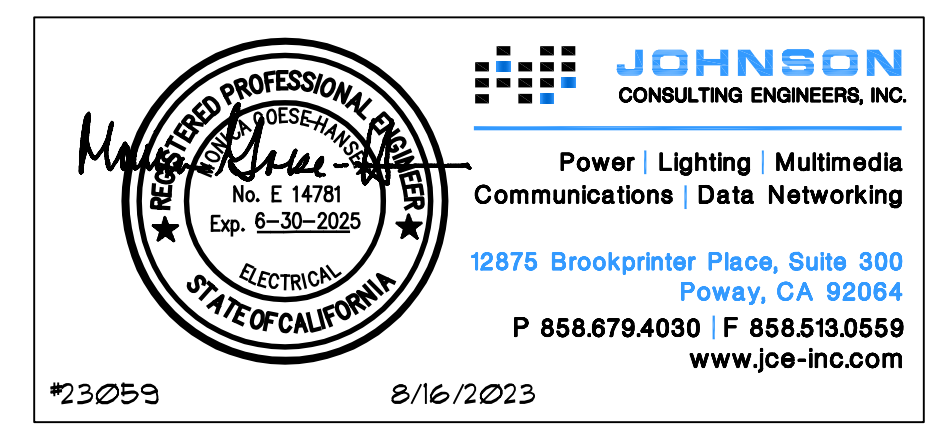
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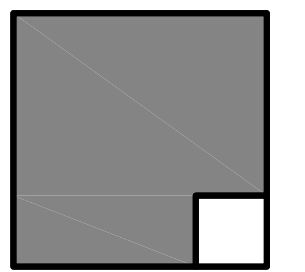
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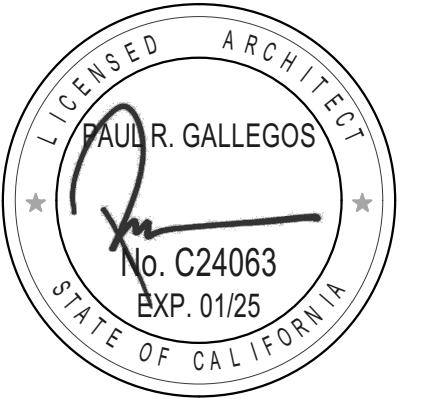
E-4.4



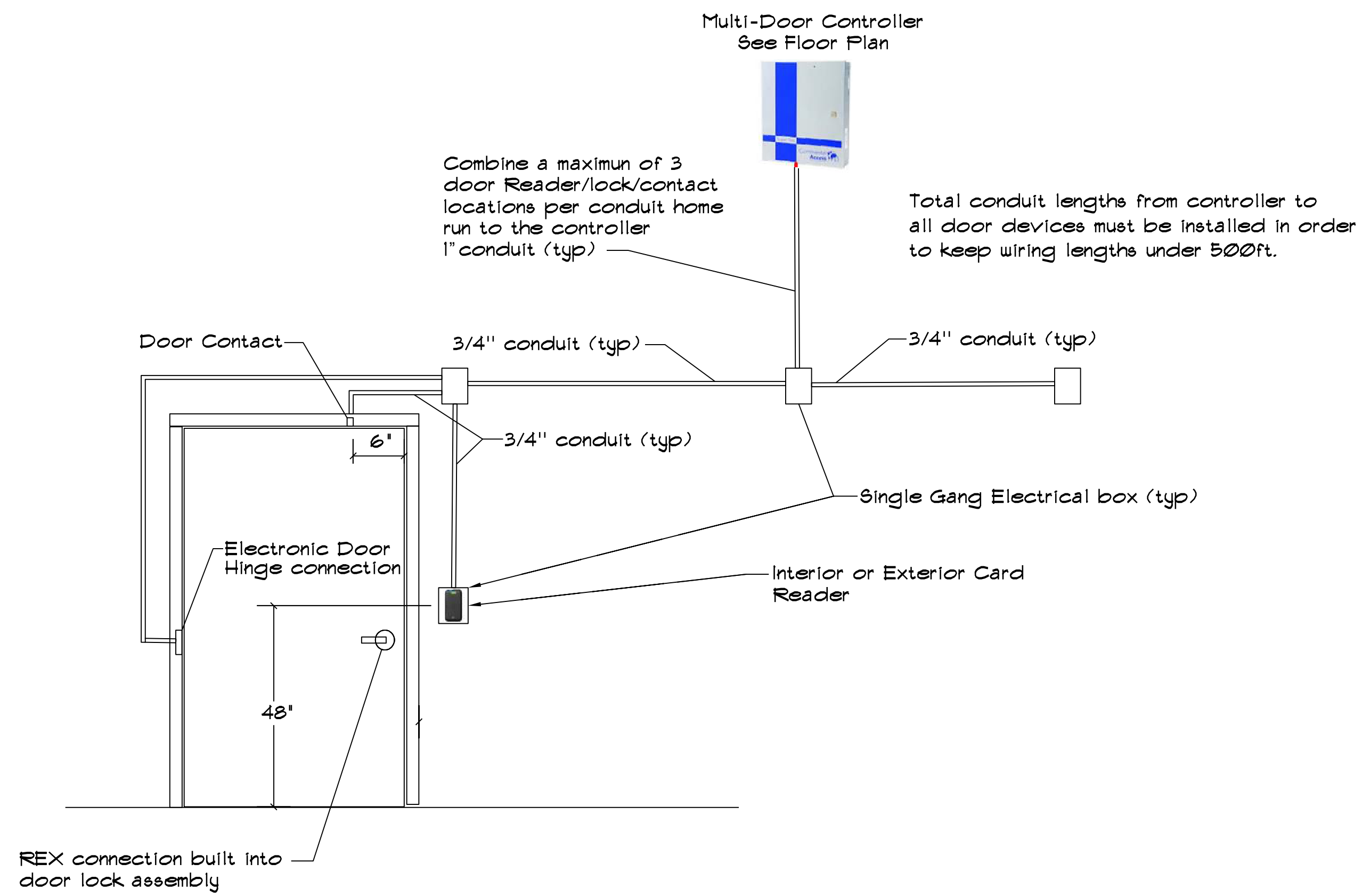
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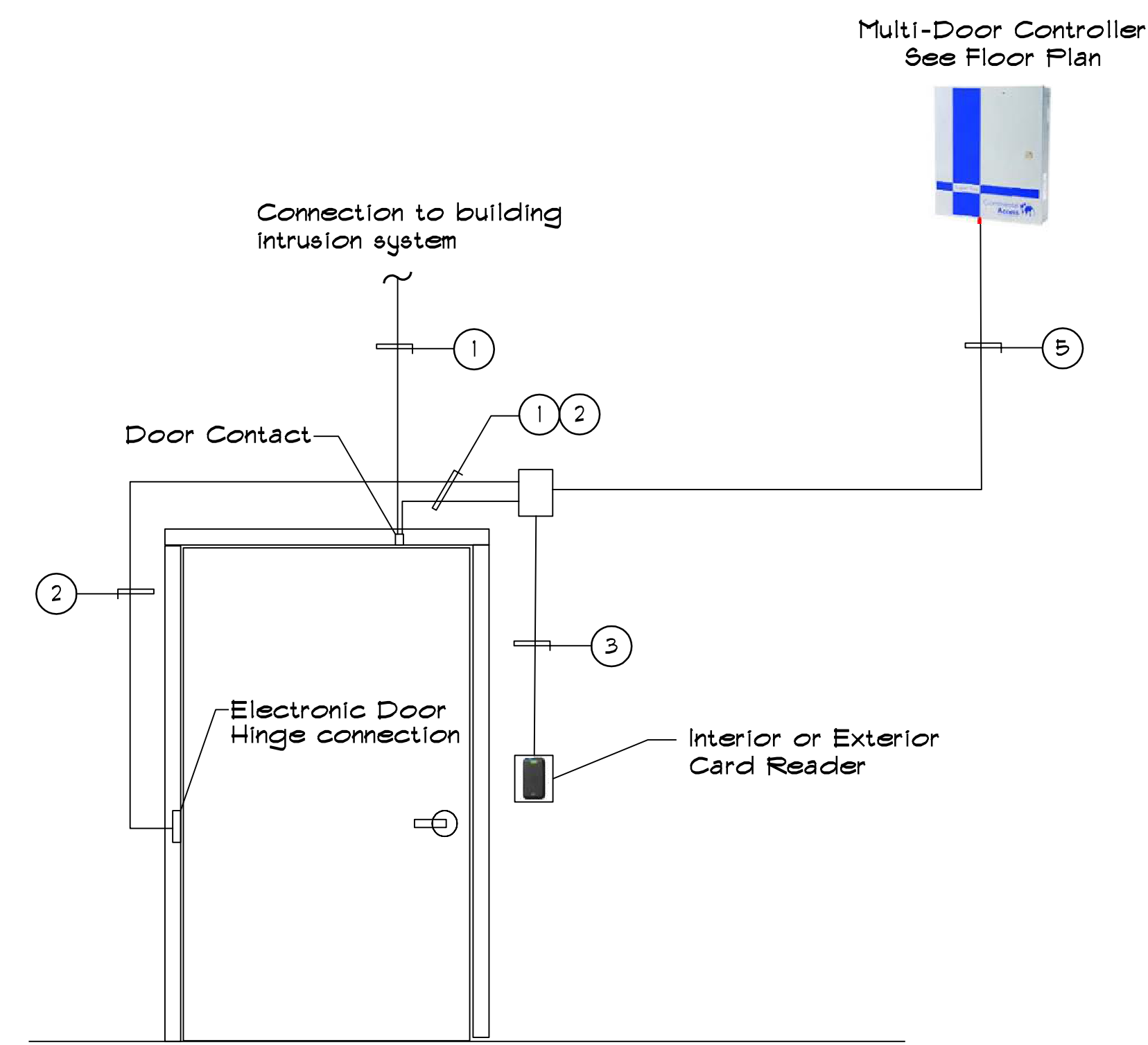


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TYPICAL ACCESS CONTROL SYSTEM REQUIREMENTS - SINGLE DOOR INSTALLATION
NO SCALE

1
E4.5

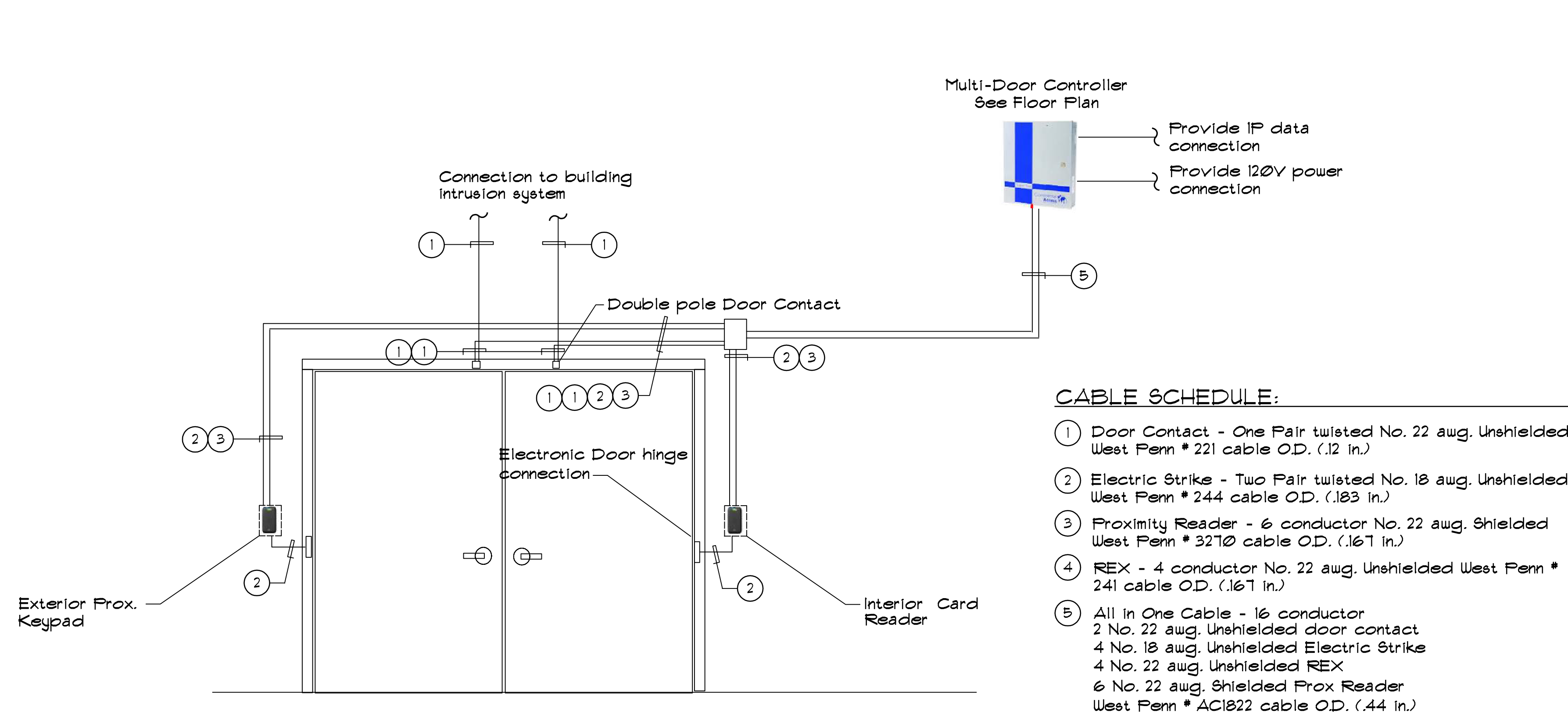


CABLE SCHEDULE:

- ① Door Contact - One Pair twisted No. 22 awg. Unshielded West Penn # 221 cable O.D. (.12 in.)
- ② Electric Strike - Two Pair twisted No. 18 awg. Unshielded West Penn # 244 cable O.D. (.183 in.)
- ③ Proximity Reader - 6 conductor No. 22 awg. Shielded West Penn # 3270 cable O.D. (.161 in.)
- ④ REX - 4 conductor No. 22 awg. Unshielded West Penn # 241 cable O.D. (.161 in.)
- ⑤ All In One Cable - 16 conductor
2 No. 22 awg. Unshielded door contact
4 No. 18 awg. Unshielded Electric Strike
4 No. 22 awg. Unshielded REX
6 No. 22 awg. Shielded Prox Reader
West Penn # AC1822 cable O.D. (.44 in.)

TYPICAL ACCESS CONTROL SYSTEM REQUIREMENTS - TYPICAL WIRING DIAGRAM
NO SCALE

2
E4.5

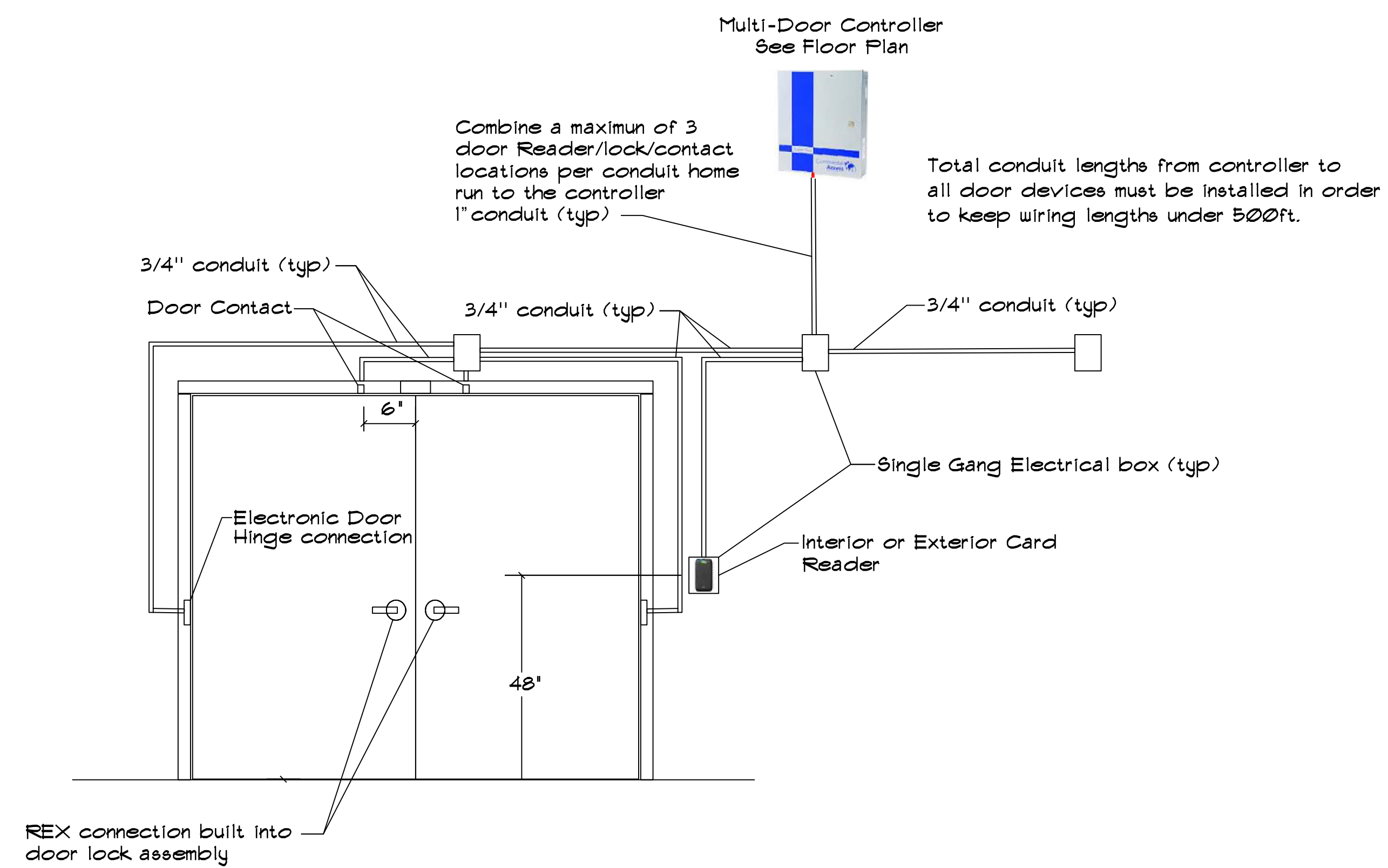


CABLE SCHEDULE:

- ① Door Contact - One Pair twisted No. 22 awg. Unshielded West Penn # 221 cable O.D. (.12 in.)
- ② Electric Strike - Two Pair twisted No. 18 awg. Unshielded West Penn # 244 cable O.D. (.183 in.)
- ③ Proximity Reader - 6 conductor No. 22 awg. Shielded West Penn # 3270 cable O.D. (.161 in.)
- ④ REX - 4 conductor No. 22 awg. Unshielded West Penn # 241 cable O.D. (.161 in.)
- ⑤ All In One Cable - 16 conductor
2 No. 22 awg. Unshielded door contact
4 No. 18 awg. Unshielded Electric Strike
4 No. 22 awg. Unshielded REX
6 No. 22 awg. Shielded Prox Reader
West Penn # AC1822 cable O.D. (.44 in.)

TYPICAL ACCESS CONTROL SYSTEM REQUIREMENTS - DOUBLE DOOR INSTALLATION
NO SCALE

3
E4.5



TYPICAL ACCESS CONTROL SYSTEM REQUIREMENTS - DOUBLE DOOR INSTALLATION
NO SCALE

4
E4.5

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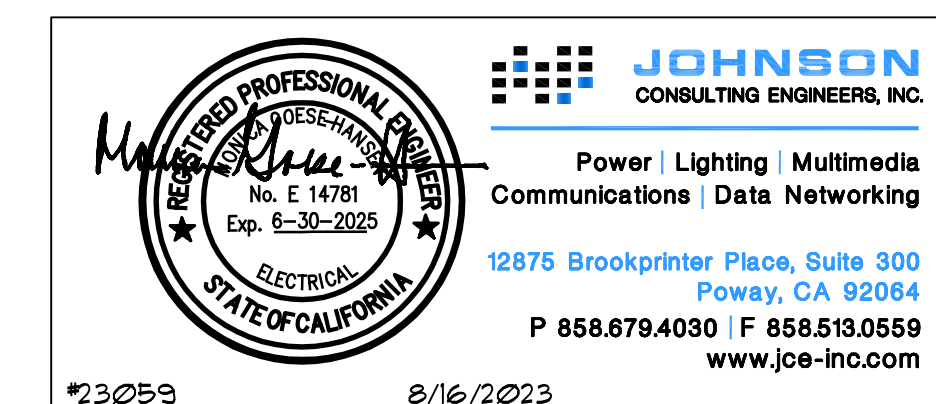
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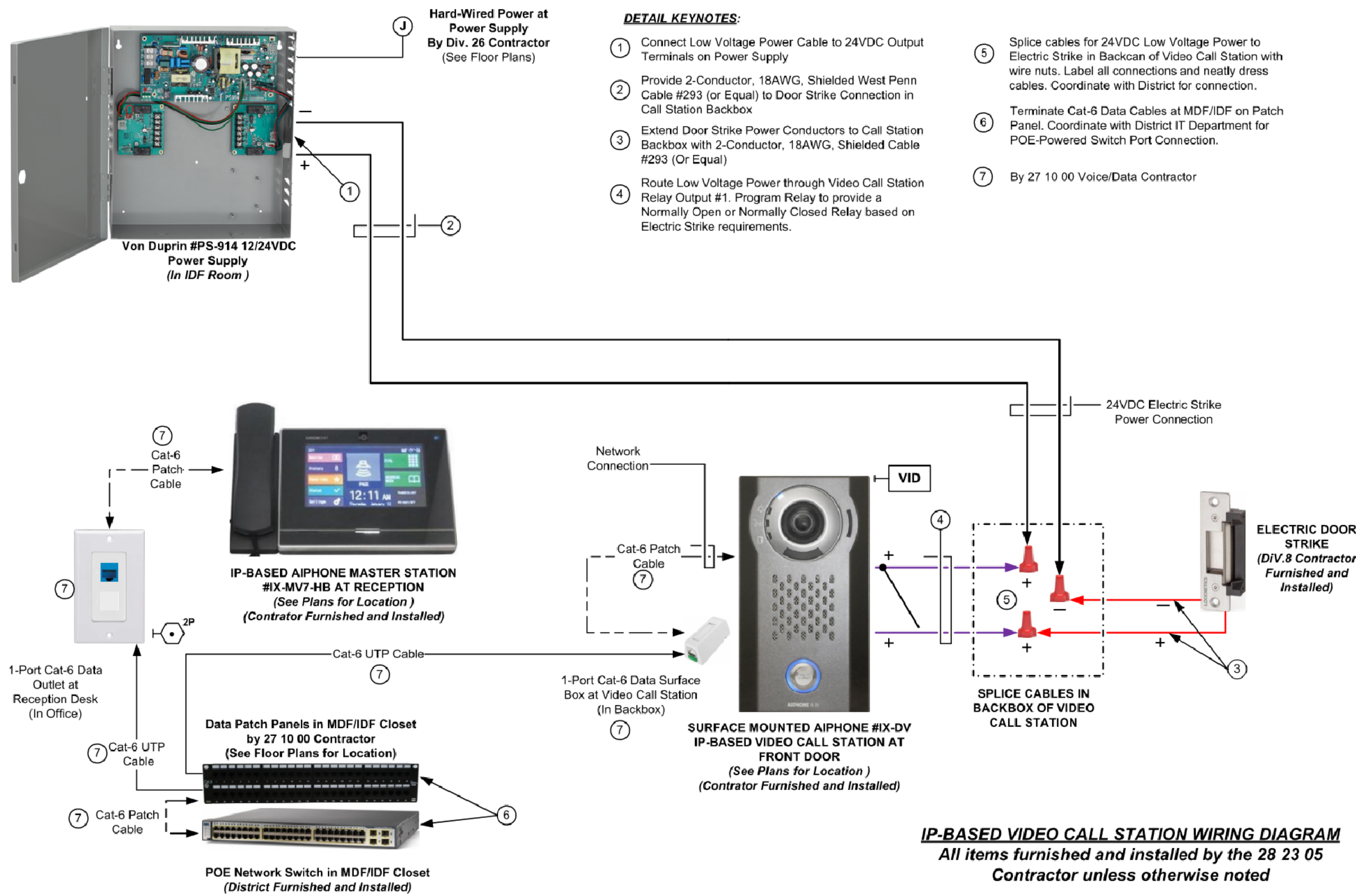
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PROJECT NO: 23-027
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PLOT DATE:
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COMMUNICATION DETAILS

E-4.5

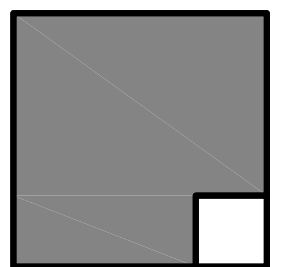




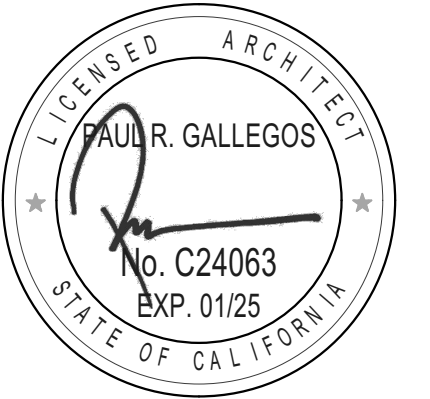
IP-BASED VIDEO CALL STATION WIRING DIAGRAM
 All items furnished and installed by the 28 23 05 Contractor unless otherwise noted

TYPICAL POINT OF ENTRY SYSTEM DIAGRAM
 NO SCALE

1
E4.6



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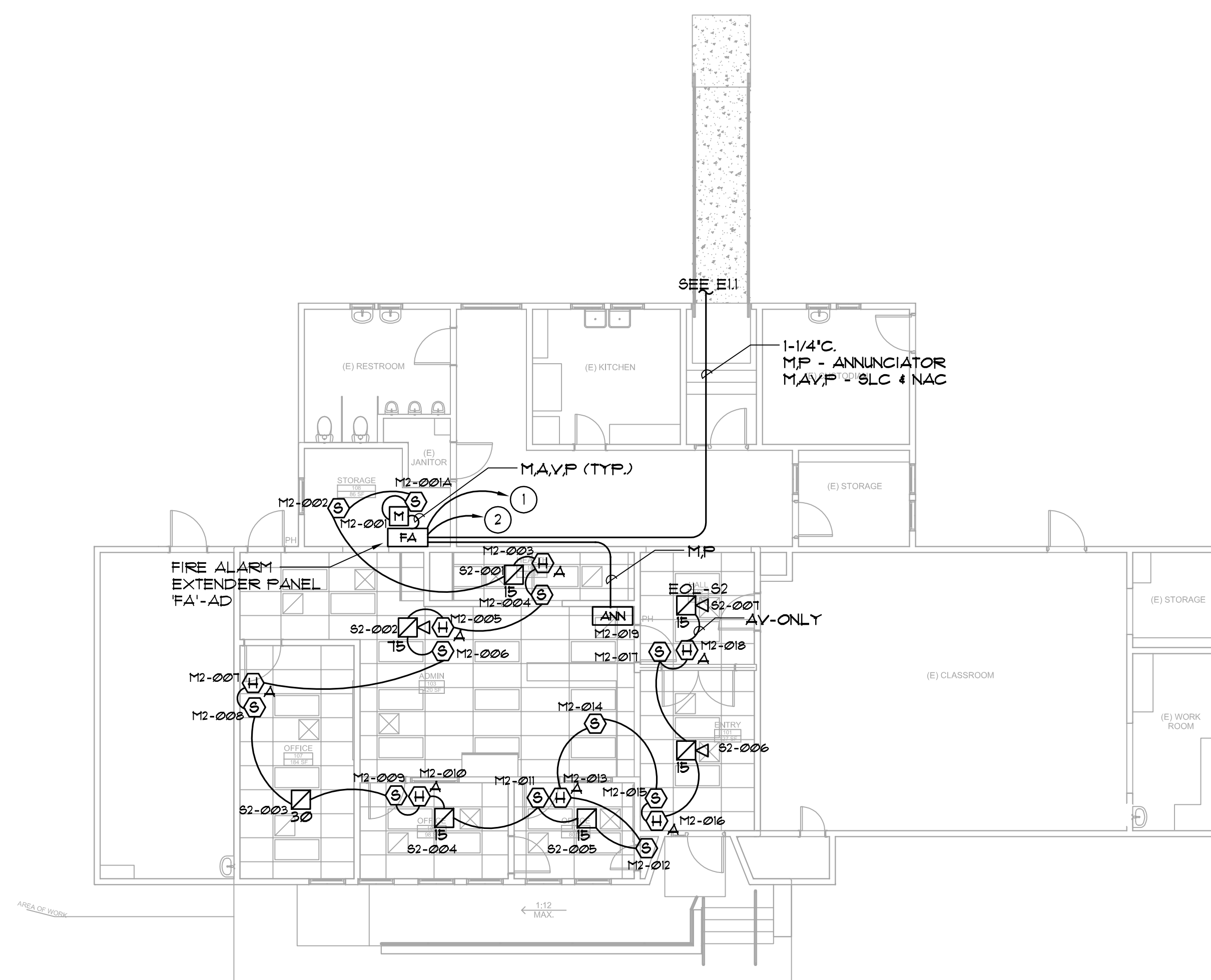
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E-4.6

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GENERAL NOTES:

1. REFERENCE ARCHITECTURAL INTERIOR ELEVATIONS FOR EXACT LOCATION OF ALL WALL MOUNTED DEVICES.
2. REFERENCE E5 AND E8 SERIES SHEETS FOR TYPICAL CONDUIT AND BACKBOX INSTALLATION DETAILS.
3. REFERENCE RISER DIAGRAMS FOR TYPICAL CONDUIT SIZES AND INITIATION ZONE CIRCUIT IDENTIFICATIONS.
4. REFERENCE MECHANICAL PLANS FOR EXACT LOCATION OF ALL DUCT DETECTORS AND SMOKE DAMPER LOCATIONS.
5. UNLESS OTHERWISE NOTED SOLID LINES BETWEEN DEVICES SHALL BE 1" E.M.T. ROUTED CONCEALED ABOVE CEILINGS OR IN WALLS. DASHED LINES INDICATE 1-1/2" P.V.C. UNDERGROUND CONDUIT. ALL WIRING TO BE PROVIDED PER MANUFACTURER SHOP DRAWINGS.
6. CONTRACTOR SHALL PROVIDE CEILING ACCESS PANEL AT ALL NON-LAY-IN TYPE CEILINGS, WHERE HEAT DETECTOR ABOVE CEILING IS INDICATED.
7. PROVIDE WIRE PROTECTIVE GUARD OVER ALL FIRE ALARM DEVICES LOCATED IN THE FOLLOWING AREAS: GYMNASIUM, LOCKER ROOMS, SHOP AREAS, AND ANY OTHER AREA WHERE DEVICES MAY BE SUBJECT TO CONTACT.

KEY NOTES:

- ① PROVIDE DEDICATED 120 VOLT CIRCUIT TO PANEL CONNECT TO "LOCK ON BREAKER". REFER TO POWER E3 SERIES SHEETS FOR CIRCUIT INFORMATION.
- ② PROVIDE CONNECTION TO EXISTING "FACP" IN BUILDING B. REFER TO SITE PLAN SHEET E11.

FIRE ALARM SYMBOL LEGENDS

- MANUAL PULL STATION MOUNTED BETWEEN 42" TO 48" AFF TO HIGHEST POINT OF OPERATING HANDLE OR LEVER OF DEVICE.
- CEILING MOUNTED SMOKE DETECTOR
- HEAT DETECTOR MOUNTED ABOVE CEILING (SEE GENERAL NOTE #6)
- CEILING MOUNTED FLASHING LIGHT STROBE (B = STROBE CANDELA RATING) (S1 = SIGNAL CIRCUIT IDENTIFICATION)
- CEILING MOUNTED COMBINATION HORN/STROBE (B = STROBE CANDELA RATING) (S1 = SIGNAL CIRCUIT IDENTIFICATION)
- MAIN FIRE ALARM CONTROL PANEL
- REMOTE FIRE ALARM POWER EXTENDER
- REMOTE ANNUNCIATOR
- DIAL SYNC MODULE (SEE RISER DIAGRAM FOR LOCATION)
- ADDRESSABLE RELAY MODULE
- ADDRESSABLE MONITOR MODULE
- EOL END OF LINE RESISTOR

FIRE ALARM NOTE:
THIS FIRE ALARM DESIGN IS A COMPLETE PLAN SUBMITTAL IN ACCORDANCE WITH 2019 CBC 907.1.

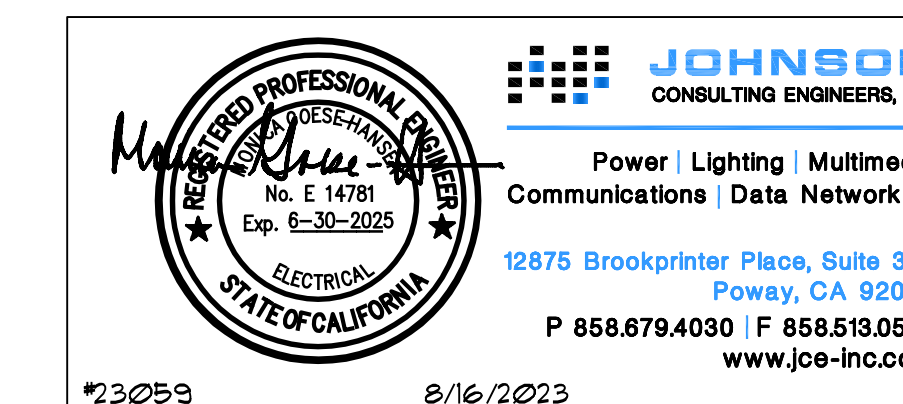
FULLY AUTOMATIC FIRE ALARM DESIGN:
THIS PROJECT IS DESIGNED TO COMPLY WITH ALL REQUIREMENTS FOR A FULLY PROTECTED AUTOMATIC FIRE ALARM SYSTEM.

EXPANSION OF EXISTING SYSTEM:
THIS PROJECT ADDS TO AND/OR MODIFIES AN EXISTING SYSTEM PREVIOUSLY APPROVED BY DSA. ALL NEW COMPONENTS ARE COMPATIBLE WITH THE EXISTING SYSTEM EQUIPMENT.

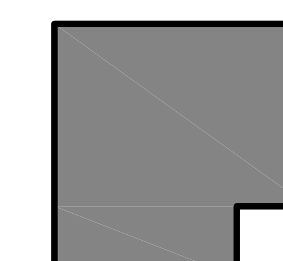
FLOOR PLAN - FIRE ALARM

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

1
E-5.1

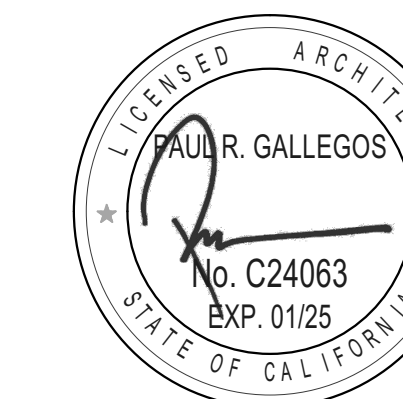


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7/12/2023

SHEET TITLE

FLOOR PLAN
FIRE ALARM

E-5.1

FCI MODEL E3 W/ VOICE EVACUATION				
SYM	MODEL NO.	DESCRIPTION	C.S.F.M. LISTING	MFG.
[FA]	HPF-PS10	REMOTE POWER SUPPLY	7315-1637-0505	HONEYWELL
[ANN]	SFANN-80	REMOTE ANNUNCIATOR	7120-1703-0183	GAMEWELL FCI
[S]	ASD-PL3	INTELLIGENT SMOKE DETECTOR	7272-1703-0501	GAMEWELL FCI
[B300-6]		SENSOR BASE	7300-1653-0109	SYSTEM SENSOR
[HA]	ATD-L3H	INTELLIGENT HEAT DETECTOR (ABOVE CEILING)	7270-1703-0502	GAMEWELL FCI
[B300-6]		SENSOR BASE	7300-1653-0109	SYSTEM SENSOR
[K]	PCZWL	HORN/STROBE (15/30/75) od (CEIL MNT)	7135-1653-0504	SYSTEM SENSOR
[K]	SCWL	STROBE (15/30/75/110) od (CEIL MNT)	7125-1653-0504	SYSTEM SENSOR
[M]	AOM-2SF	CONTROL MODULE	7300-1703-0102	GAMEWELL FCI
[~]	TYPE FPL	SIGNAL LINE CIRCUIT CONDUCTORS (M)	7161-0859-0101	WEST PENN
[~]	TYPE THHN	AUDIO VISUAL AND POWER CONDUCTORS (A.V.P)	N/A	SOUTHWIRE

ANNUNCIATOR ZONE SCHEDULE						
	ROOM SMOKE OR HEAT DETECTORS	ABOVE CEILING HEAT DETECTORS	MANUAL PULL STATIONS	DUCT DETECTORS	SPRINKLER SYSTEM	TROUBLE INDICATION
BLDG 'A'	YES	YES	NO	NO	N/A	YES

NOTES:

- ALL SMOKE DETECTORS, HEAT DETECTORS ABOVE CEILING DETECTORS, DUCT DETECTORS, MANUAL PULL STATIONS, FLOW SWITCHES, TAMPER SWITCHES SHALL BE INDIVIDUALLY ADDRESSABLE.
- PROVIDE (1) ANNUNCIATOR WHICH WILL PROVIDE LED LIGHT INDICATORS TO IDENTIFY THE ABOVE ZONE SCHEDULE (IN ADDITION TO ANNUNCIATOR NOTED IN NOTE # 3).
- PROVIDE (1) 32 CHARACTER BACK-LIGHTED ALPHA-NUMERIC DISPLAY ANNUNCIATOR WITH KEYPAD FOR OPERATOR CONTROL, PROGRAMMING AND TESTING.

FIRE ALARM SEQUENCE OF OPERATION				
ACTION	DEVICE	MANUAL PULL STATION	AREA/DUCT SMOKE/HEAT DETECTOR	AC POWER FAILURE
SOUND ALARM THROUGHOUT BLDG.		YES	YES	NO
ACTIVATE RELAY FOR MONITORING		YES	YES	YES
ANNUNCIATE AT PANEL AND ANNUNCIATOR		YES	YES	YES
SOUND TROUBLE BUZZER		ON WIRING FAULT	ON WIRING FAULT	YES
REPORT TO MONITORING STATION		YES	YES	YES

WIRING SCHEDULE			
DES	CONDUCTOR TYPE	WIRE COLOR	CIRCUIT TYPE
M	(1) 1 PR #14 TWISTED SHIELDED	RED/BLACK/SHIELD	SIGNAL LINE CIRCUIT
AV	(2) #12 THHN (UDN DN CALCS)	BLUE/WHITE	NOTIFICATION APP. CIRCUIT (NAC)
P	(2) #12 THHN	RED/BLACK	POWER

MAXIMUM NUMBER OF CONDUCTORS IN TRADE SIZES OF CONDUIT OR TUBING MINIMUM CONDUIT SIZE FOR THIS PROJECT IS 3/4"												
CONDUIT TRADE SIZE (INCHES)	CONDUCTOR SIZE AWG, kcmil	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4	5
THWN	14	13	24	39	69	94	154	184				
	12	10	18	29	51	70	114	164				
THHN	10	6	11	18	32	44	73	104	160	106	136	
	8	5	9	16	22	30	51	79	106	136		

TRADE SIZE		PERCENT REDUCTION PER NUMBER OF 18AWG TWISTED SHIELD PAIRS										
TRADE SIZE	INTERNAL DIAMETER INCHES	100% OVER 2 COND. KICK		AREA—SQUARE INCHES								
		1	2	3	4	5	6	7	8			
1/2	.422	.30	.12	36%	66%	99%	X	X	X	X	X	X
3/4	.624	.53	.21	19%	38%	57%	76%	90%	X	X	X	X
1	1.049	.86	.34	12%	24%	36%	48%	60%	72%	84%	96%	
1 1/4	1.380	1.50	.60	7%	14%	21%	28%	35%	42%	49%	56%	
1 1/2	1.610	2.04	.82	5%	10%	15%	20%	25%	30%	35%	40%	
2	2.067	3.36	1.34	3%	6%	9%	12%	15%	18%	21%	24%	

FIRE ALARM MONITORING NOTE:

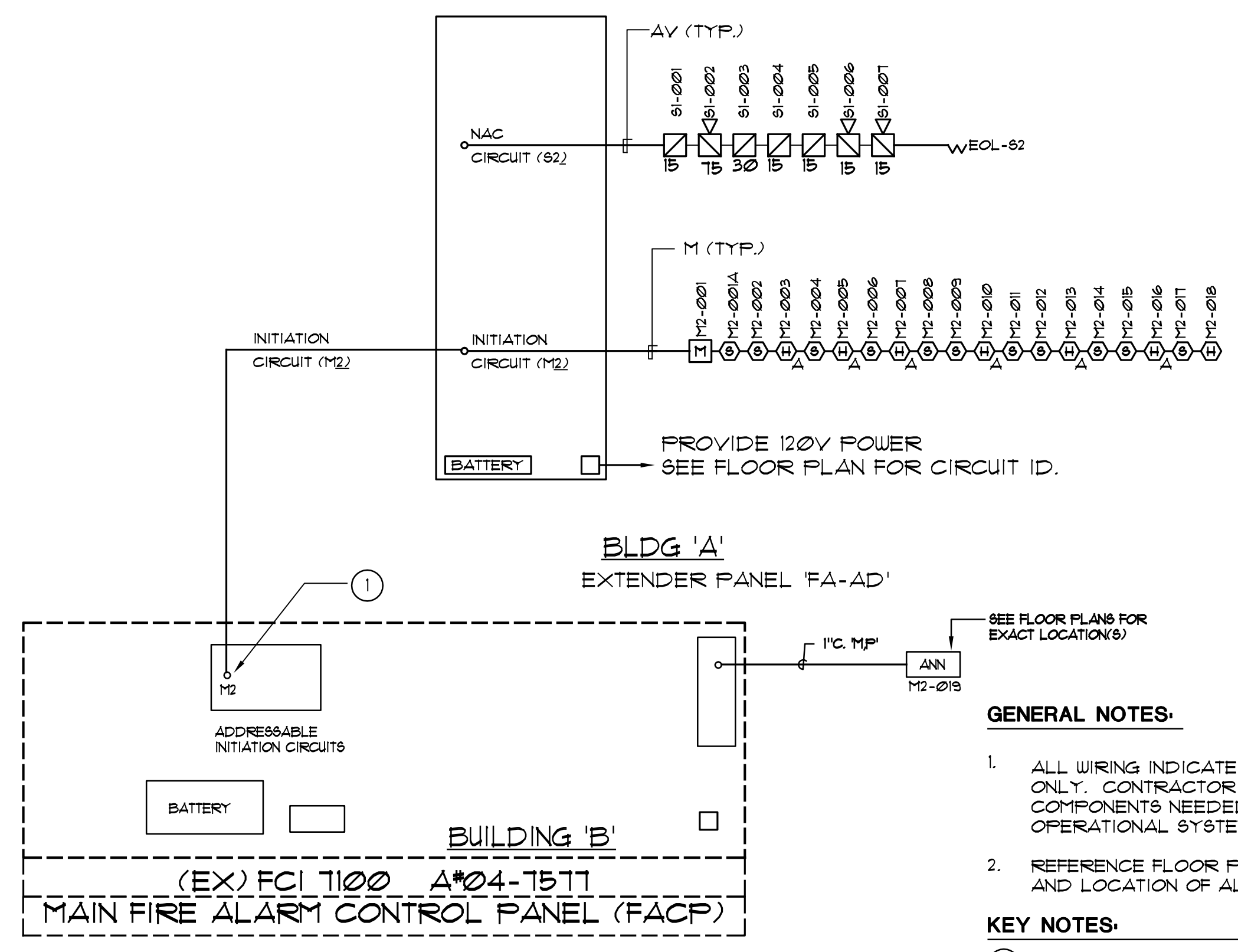
- AUTOMATIC FIRE ALARM SYSTEMS SHALL TRANSMIT THE ALARM, SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION AS REQUIRED BY NFPA 72 AS AMENDED BY CFC SECTION 907. THE SUPERVISING STATION SHALL BE LISTED AS EITHER ULFC OR ULUS BY UNDERWRITERS LABORATORY OR SHALL MEET THE REQUIREMENTS OF FACTORY MUTUAL RESEARCH APPROVAL STANDARD 3011 SUPERVISION OF SYSTEM AND LEASED TELEPHONE LINES SHALL BE ARRANGED BY OWNER.

FIRE ALARM GENERAL REQUIREMENTS:

- THE COMPLETE INSTALLATION SHALL BE REVIEWED AND APPROVED BY THE ABOVE LOCAL MANUFACTURERS REPRESENTATIVE. SEE SPECIFICATIONS (28 30 00), FOR ADDITIONAL CONTRACTOR QUALIFICATIONS AND REQUIREMENTS.
- UNLESS OTHERWISE NOTED SOLID LINES BETWEEN DEVICES SHALL BE MIN. 3/4" E.M.T. ROUTED CONCEALED ABOVE CEILING OR IN WALLS. DASHED LINES INDICATE MIN. 1-1/4" P.V.C. UNDERGROUND CONDUIT. ALL WIRING TYPES AND QUANTITIES SHOWN ARE FOR INFORMATION ONLY. THE CONTRACTOR SHALL PROVIDE ALL WIRING AS REQUIRED TO MAKE A FULLY OPERATIONAL SYSTEM. SHOP DRAWINGS AND OR AS-BUILT DOCUMENTS SHALL INDICATE ALL WIRING PROVIDED.
- THE AUDIBILITY OF FIRE ALARM WARNING DEVICES SHALL BE AUDIBLE THROUGH THE OCCUPANCY WITH A MINIMAL SOUND LEVEL 15 db's OVER THE AMBIENT NOISE LEVEL. ADD ADDITIONAL DEVICES AS REQUIRED.
- UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM, A REACCEPTANCE TEST OF THE ENTIRE SYSTEM SHALL BE PERFORMED IN THE PRESENCE OF THE ENFORCING AGENCY AND IN ACCORDANCE WITH SPECIFICATIONS (28 30 01). THE CONTRACTOR SHALL FURNISH 66 METERS AND ALL OTHER EQUIPMENT TO PERFORM THESE TESTS.
- ALL CONDUIT PENETRATIONS THROUGH FIRE RATED PARTITIONS SHALL PREVENT THE PASSAGE OF HEAT, SMOKE AND FIRE GASES. ALL PENETRATIONS SHALL COMPLY WITH ULL ASSEMBLY ULL-1001 REFER TO THROUGH-PENETRATION FIRESTOP DETAIL ON THE DETAIL SHEET.
- ALL OPERATING HARDWARE AT INITIATING DEVICES SHALL NOT REQUIRE TIGHT GRASPING, FINCHING OR TWISTING OF THE WRIST, AND THE FORCE REQUIRED TO OPERATE SHALL BE LESS THAN 5 POUNDS.
- ALL EXTERIOR SPEAKERS ARE TAPPED AT 2W.

APPLICABLE CODES AND STANDARDS

SEE ARCHITECTURAL TITLE SHEET



GENERAL NOTES:

- ALL WIRING INDICATED IS FOR GENERAL REFERENCE ONLY. CONTRACTOR SHALL PROVIDE ALL WIRING AND COMPONENTS NEEDED TO PROVIDE A COMPLETE OPERATIONAL SYSTEM.
- REFERENCE FLOOR PLANS FOR EXACT QUANTITY, TYPE, AND LOCATION OF ALL DEVICES.

KEY NOTES:

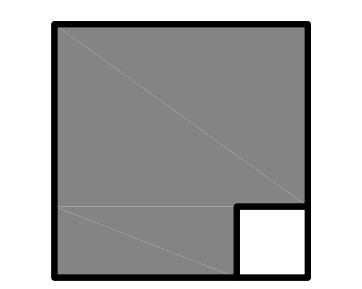
- PROVIDE SIGNAL LINE CIRCUIT CARD AND OTHER REQUIRED PARTS AND MODULES FOR A NEW SIGNAL LINE CIRCUIT.

FIRE ALARM RISER DIAGRAM

NO SCALE

1
E-5.2

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REVISIONS	
MARK	DESCRIPTION

PROJECT NO: 23-027
MODEL FILE:
23-027 MEUSD Descanso ES_DRAFT_23-06-28.plt

PLOT DATE:
7/12/2023

SHEET TITLE

FIRE ALARM
SCHEDULE, NOTES &
RISER DIAGRAM

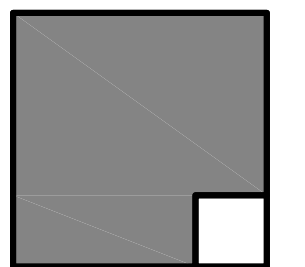
E-5.2

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FIRE ALARM EXTENDER PANEL							
Building ' A' (FA-AD)							
Type of Device Or Equipment	Standby Amperage			Alarm Amperage			
	Qty	Current	Total	Quantity	Current	Total	
SNAC PANEL	1	0.065	0.065	1	0.145	0.145	
Signal Line Circuit Devices:							
Smoke Detector NEW	11	0.0003	0.0033	11	0.0065	0.0715	
Heat Detector NEW	6	0.0003	0.0018	6	0.0065	0.0390	
Monitor Module	1	0.0004	0.0004	1	0.0070	0.0070	
Remote Annunciator	1	0.0300	0.0300	0	0.0650	0.0000	
15cd (Ceiling) Horn/Strobe				2	0.071	0.142	
30cd (Ceiling) Horn/Strobe				0	0.090	0.000	
75cd (Ceiling) Horn/Strobe				1	0.143	0.143	
15cd (Ceiling) Strobe				3	0.041	0.123	
30cd (Ceiling) Strobe				1	0.063	0.063	
75cd (Ceiling) Strobe				0	0.111	0.000	
95cd (Ceiling) Strobe				0	0.134	0.000	
Total Standby Amperage			0.036	Total Alarm Amperage			0.734
Standby Time Required							
24 Hours x Total Standby Amperage = 24 x 0.036 = 0.852 Amp Hours							
Alarm Time Required							
.083 (5 Min.) x Total Alarm Amperage = 0.2083x 0.734 = 0.061 Amp Hours							
Total Required = 0.913 Amp Hours							
x120% = 1.0954566							
(EX) Battery Amp Hour = 7 Amp Hours							

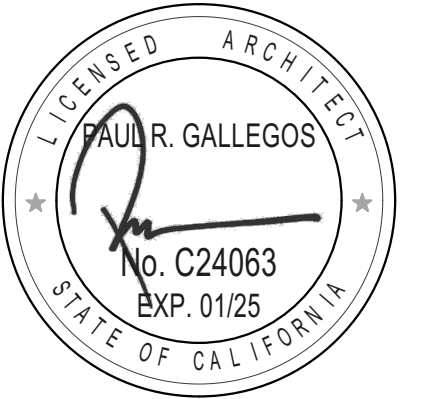
Fire Alarm Voltage Drop Calculations															
Calculation Formula:						Circular Mils Using #10 w re = 10380									
Total Current x Feet x 21.6 (Voltage Drop)						Circular Mils Using #12 w re = 6530									
Circular Mills						Circular Mils Using #14 w re = 4110									
						Circular Mils Using #18 w re = 1620									
Voltage Drop / 24 Volts x 100 Percent = Percentage Voltage Drop															
BLDG. A 'FA-AD'															
Device Type	Circuit: S2			Circuit: 0			Circuit: 0			Circuit: 0					
	Devices x Current	Total Current		Devices x Current	Total Current		Devices x Current	Total Current		Devices x Current	Total Current				
0	0	0.0000	0.000	0	0.0000	0.000	0	0.0000	0.000	0	0.0000	0.000			
0	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000			
0	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000			
0	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000			
0	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000			
15cd (Ceiling) Horn/Strobe	2	0.071	0.142	0	0.071	0.000	0	0.071	0.000	0	0.071	0.000			
30cd (Ceiling) Horn/Strobe	0	0.090	0.000	0	0.090	0.000	0	0.090	0.000	0	0.090	0.000			
75cd (Ceiling) Horn/Strobe	1	0.143	0.143	0	0.143	0.000	0	0.143	0.000	0	0.143	0.000			
0	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000			
15cd Wall Strobe	0	0.057	0.000	0	0.057	0.000	0	0.057	0.000	0	0.057	0.000			
30cd Wall Strobe	0	0.085	0.000	0	0.085	0.000	0	0.085	0.000	0	0.085	0.000			
75cd Wall Strobe	0	0.135	0.000	0	0.135	0.000	0	0.135	0.000	0	0.135	0.000			
110cd Wall Strobe	0	0.182	0.000	0	0.182	0.000	0	0.182	0.000	0	0.182	0.000			
135cd Wall Strobe	0	0.205	0.000	0	0.205	0.000	0	0.205	0.000	0	0.205	0.000			
185cd Wall Strobe	0	0.253	0.000	0	0.253	0.000	0	0.253	0.000	0	0.253	0.000			
15cd (Ceiling) Strobe	3	0.041	0.123	0	0.041	0.000	0	0.041	0.000	0	0.041	0.000			
30cd (Ceiling) Strobe	1	0.063	0.063	0	0.063	0.000	0	0.063	0.000	0	0.063	0.000			
75cd (Ceiling) Strobe	0	0.111	0.000	0	0.111	0.000	0	0.111	0.000	0	0.111	0.000			
95cd (Ceiling) Strobe	0	0.134	0.000	0	0.134	0.000	0	0.134	0.000	0	0.134	0.000			
0	0	0.0000	0.000	0	0.0000	0.000	0	0.0000	0.000	0	0.0000	0.000			
0	0	0.0000	0.000	0	0.0000	0.000	0	0.0000	0.000	0	0.0000	0.000			
Total			0.471	Total			0.000	Total			0.000	Total			0.000
Circuit Length:			200	Circuit Length:			250	Circuit Length:			0	Circuit Length:			0
Circular mils:			6530	Circular mils:			6530	Circular mils:			6530	Circular mils:			6530
Volts dropped:			0.31	Volts dropped:			0.00	Volts dropped:			0.00	Volts dropped:			0.00
Percent voltage drop:			1.30%	Percent voltage drop:			0.00%	Percent voltage drop:			0.00%	Percent voltage drop:			0.00%

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23-027 MEUSD Descanso ES_DRAFT_23-06-28.pln

PLOT DATE:
7/12/2023

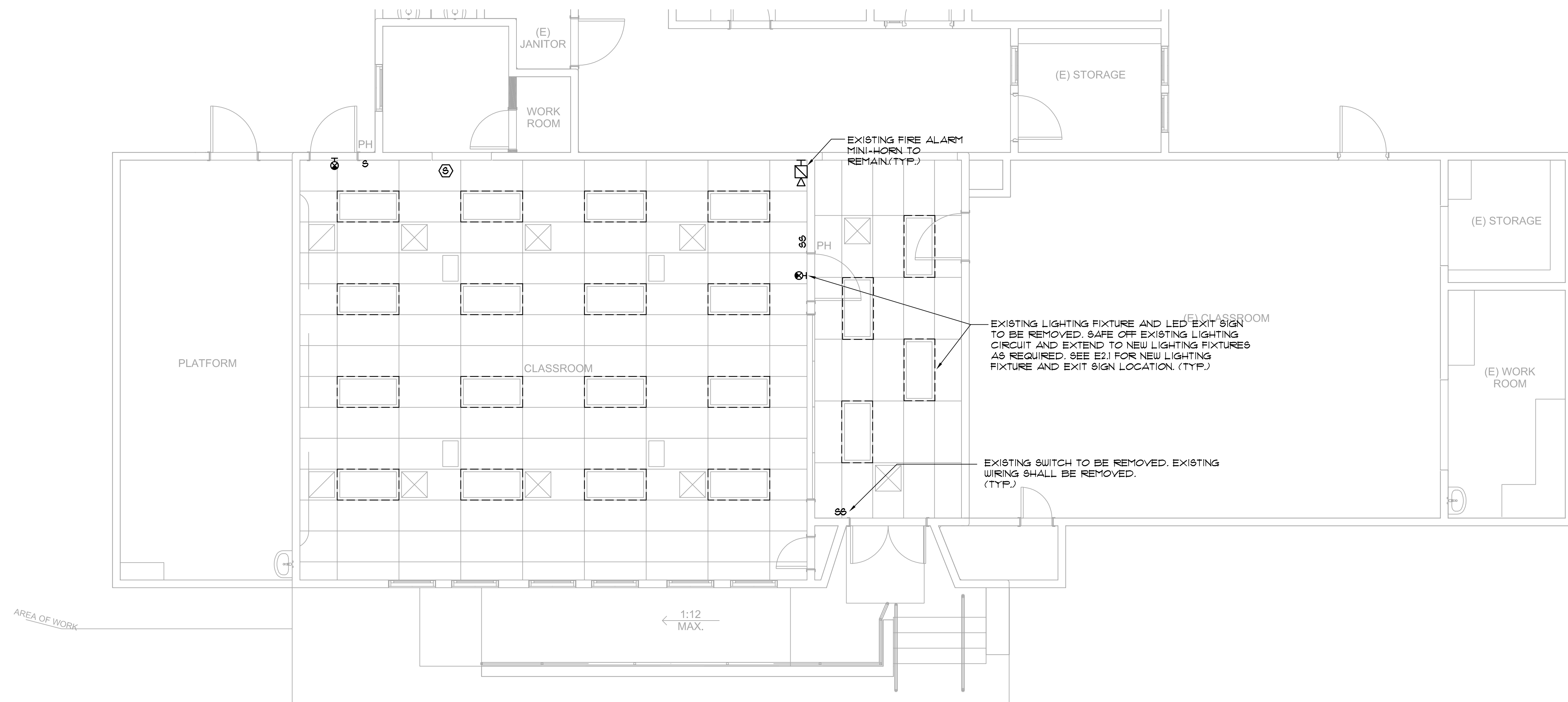
SHEET TITLE

FIRE ALARM
CALCULATIONS

E-5.3

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DEMOLITION FLOOR PLAN - LIGHTING AND FIRE ALARM

SCALE: 1/4" = 1'-0" 1
E-6.1

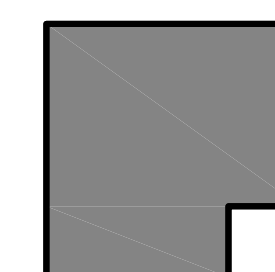
DEMOLITION GENERAL NOTES:

1. ALL ITEMS SHOWN ON THIS DRAWING ARE EXISTING TO BE REMOVED UNLESS OTHERWISE NOTED. SEE REQUIREMENTS BELOW FOR SCOPE OF WORK. ALL OTHER ELECTRICAL ITEMS IN THIS BUILDING ARE EXISTING TO REMAIN. MAINTAIN POWER CIRCUIT CONTINUITY UNTIL NEW SOURCE IS ENERGIZED AND READY FOR TRANSFER. REFER TO POWER AND LIGHTING PLANS.
2. ALL ELECTRICAL DEMOLITION WORK SHALL BE DIRECTED BY THE ELECTRICAL CONTRACTOR.

GENERAL DEMOLITION REQUIREMENTS

1. **LIGHTING FIXTURES**
WHERE EXISTING LIGHTING FIXTURES ARE TO BE REMOVED, AND ARE NOT RELOCATED, CONTRACTOR SHALL DISPOSE OF ALL FIXTURES INCLUDING LAMPS AND BALLAST.
2. **WIRING DEVICES**
WHERE EXISTING SWITCHES OR RECEPTACLES ARE TO BE REMOVED, THE CONTRACTOR SHALL DISPOSE OF ALL DEVICES AS REQUIRED.
3. **COMMUNICATION DEVICES**
WHERE EXISTING TELEPHONE/INTERCOM AND CLOCK HEAD END EQUIPMENT, PHONES, SPEAKERS AND OTHER ASSOCIATED EQUIPMENT ARE TO BE REMOVED, THE CONTRACTOR SHALL DISPOSE OF ALL DEVICES AND EQUIPMENT AS REQUIRED.
4. **FIRE ALARM**
WHERE EXISTING FIRE ALARM PANELS AND ASSOCIATED SMOKE, HEAT, DUCT DETECTORS, FULL STATIONS AND STROBE OR HORN UNITS ARE TO BE REMOVED, THE CONTRACTOR SHALL DISPOSE OF ALL DEVICES AND EQUIPMENT AS REQUIRED.
5. **INTRUSION ALARM**
EXISTING INTRUSION ALARM SENSORS AND EQUIPMENT SHALL BE REMOVED WHERE INDICATED. RETURN ALL DEVICES TO THE SCHOOL DISTRICT MAINTENANCE FACILITIES.
6. **POWER EQUIPMENT**
WHERE EXISTING SWITCHBOARDS, PANELBOARDS, LOAD CENTERS, TRANSFORMERS, DISCONNECT SWITCHES OR OTHER DISTRIBUTION EQUIPMENT ARE TO BE REMOVED, THE CONTRACTOR SHALL DISPOSE OF ALL DEVICES AND EQUIPMENT AS REQUIRED.
7. ALL BOXES, EXPOSED CONDUIT, WIRE, AND OTHER ITEMS ASSOCIATED WITH ELECTRICAL EQUIPMENT TO BE REMOVED, SHALL BE DISCONNECTED, REMOVED AND DISPOSED OF BY THE CONTRACTOR AS REQUIRED, UNLESS SPECIFICALLY NOTED OTHERWISE. CUT AND CAP CONCEALED CONDUITS, PATCH, SEAL AND REPAIR SURFACE TO MATCH ADJACENT AREA WHERE BOXES ARE REMOVED.

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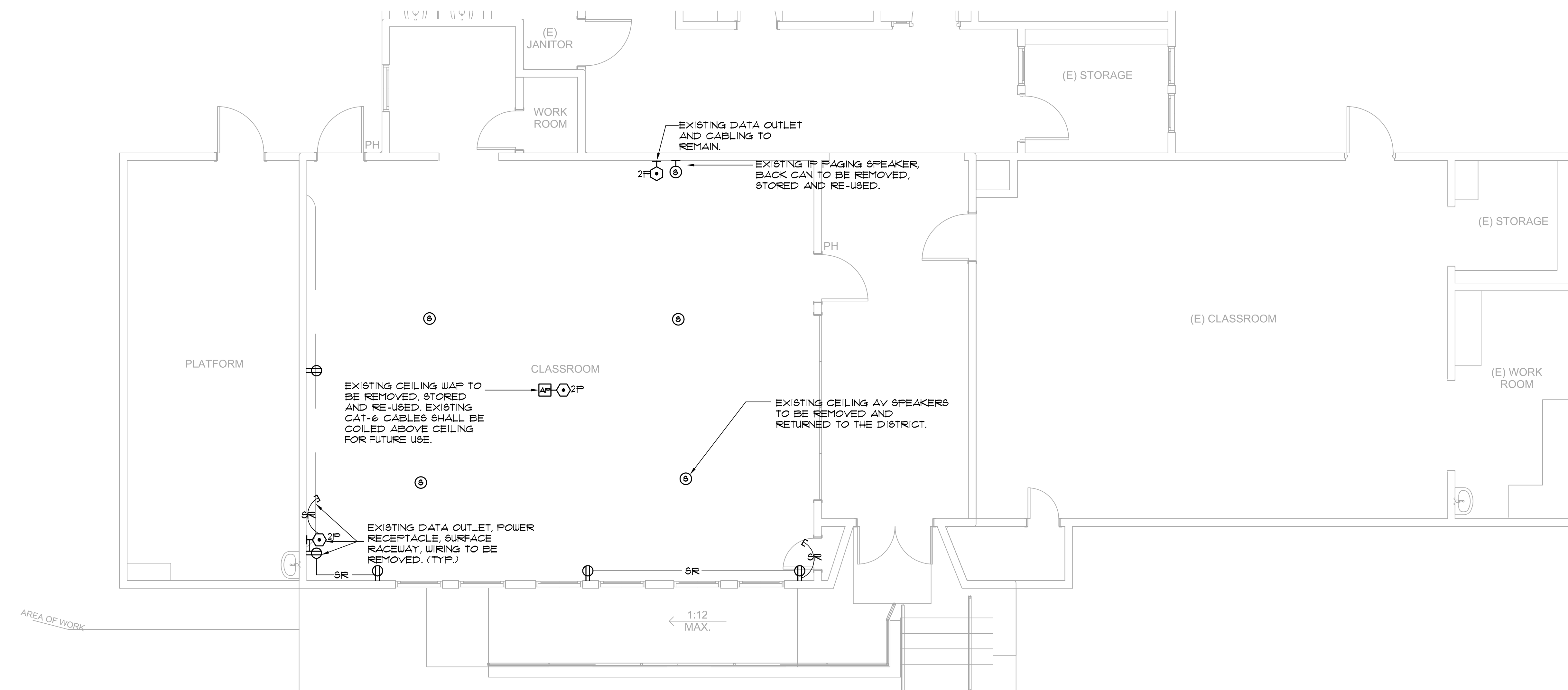


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DEMOLITION FLOOR PLAN - POWER AND COMM.

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

E-6.1

