

VAPA SWITCHGEAR REPLACEMENT

VISTA ACADEMY OF VISUAL & PERFORMING ARTS

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SHEET TOTAL: 22

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PROJECT DIRECTORY

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VISTA UNIFIED SCHOOL DISTRICT
1234 ARCADIA AVE
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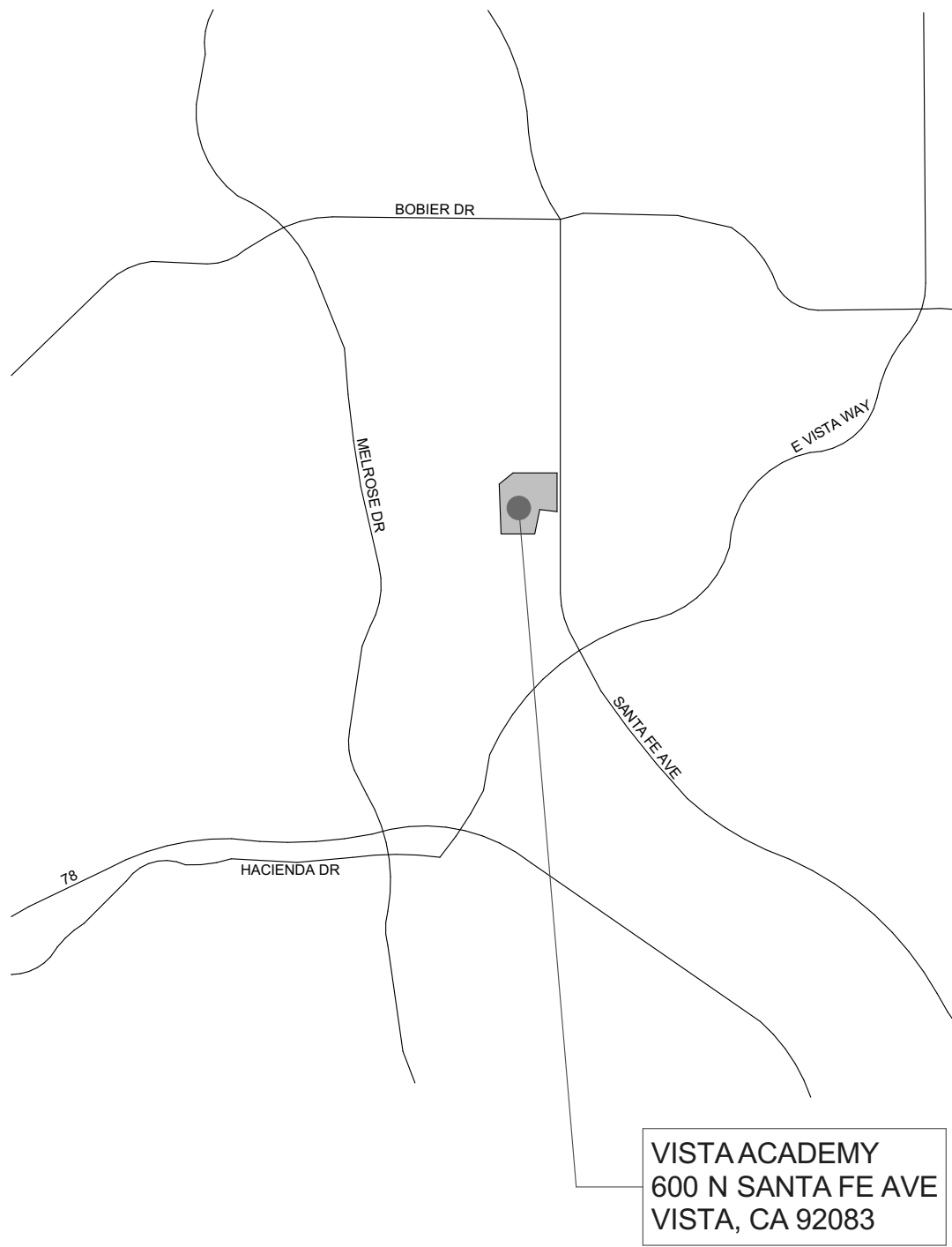
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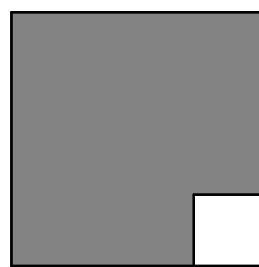
PROJECT SCOPE

THE SCOPE OF THIS PROJECT INCLUDES THE INSTALLATION OF SITE WIDE ELECTRICAL IMPROVEMENTS.

VICINITY MAP

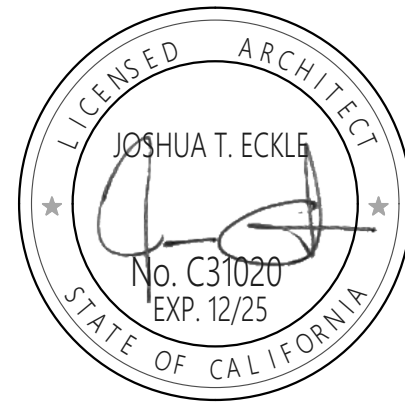


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ENGINEER OF RECORD

VAPA SWITCHGEAR REPLACEMENT

VISTA ACADEMY OF VISUAL & PERFORMING ARTS

600 N SANTA FE AVE
VISTA, CA 92083

VISTA UNIFIED SCHOOL DISTRICT
1234 ARCADIA AVE VISTA CA 92084

REVISIONS

MARK	DATE	DESCRIPTION
	12/06/24	BID SET

PROJECT NO: 23-016

MODEL FILE:
23-016 VAPA SWITCHGEAR.pln

PLOT DATE:
12/6/2024

SHEET TITLE

COVER SHEET

T-001

VAPASWITCHGEAR REPLACEMENT VISTA ACADEMY OF VISUAL & PERFORMING ARTS

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 FAMILAR 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 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 DISCREPENCIES 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 2022 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 3 AND RBIP.
- 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 2022 CBC CHAPTER 11 B.
- 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 VISITS 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.
- GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.

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 FAMILAR 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 OWNER'S 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.
- CONTRACTOR OPERATIONS SHALL NOT BLOCK, HINDER, IMPEDE OR OTHERWISE INHIBIT THE USE OF REQUIRED EXITS AT ANY TIME. CONTRACTOR SHALL MAINTAIN UNOBSTRUCTED ACCESS TO FIRE EXTINGUISHERS, FIRE HYDRANTS, TEMPORARY FIRE PROTECTION FACILITIES, STAIRWAYS AND OTHER ACCESS ROUTES FOR FIRE-FIGHTING EQUIPMENT AND OR PERSONNEL.
- MAINTAIN INTEGRITY OF ALL EXISTING FIRE-RATED ASSEMBLIES UNLESS OTHERWISE NOTED.

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, 2022 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 PATHS 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-CONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE BY MEANS OF A CONSTRUCTION CHANGE CHANGE DOCUMENT (CCD).

GENERAL FIRE NOTES

- FIRE SAFETY AND EVACUATION PLANS SHALL BE MADE AVAILABLE IN THE WORKPLACE FOR REFERENCE AND REVIEW BY EMPLOYEES AND COPIES SHALL BE FURNISHED TO THE FIRE CODE OFFICIAL FOR REVIEW UPON REQUEST.
- THROUGH PENETRATION FIRE STOPPING FOR ALL FIRE WALLS, FLOORS/CEILING, AND ASSEMBLIES SHALL HAVE AN 'F' OR 'T' RATING PER THE CBC AND STANDARDS. INSTALLATION OF FIRE STOPPING SHALL COMPLY WITH APPROVED METHODS.
- ALL CONTRACTORS PERFORMING WORK ON THIS PROJECT SHALL COMPLY WITH THE REQUIREMENTS OF 2022 CFC 901.7, SPECIFICALLY 901.7.4 CHAPTER 11 AND 33 AS WELL AS NFPA 241 FIRE PREVENTION PROGRAM THROUGHOUT ALL PHASES OF CONSTRUCTION.
- MAINTAIN THE INTEGRITY OF ALL EXISTING FIRE RATED ASSEMBLIES UNLESS OTHERWISE NOTED.

APPLICABLE CODES

2022 CALIFORNIA ADMINISTRATIVE CODE (CAC) PART 1, TITLE 24, CCR
2022 CALIFORNIA BUILDING CODE (CBC) PART 2, TITLE 24, CCR
2022 CALIFORNIA ELECTRIC CODE (CEC), PART 3, TITLE 24, CCR
2022 CALIFORNIA MECHANICAL CODE (CMC) PART 4, TITLE 24, CCR
2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24, CCR
2022 CALIFORNIA ENERGY CODE, PART 6, TITLE 24, CCR
2022 CALIFORNIA FIRE CODE, PART 9, TITLE 24, CCR
2022 CALIFORNIA EXISTING BUILDING CODE (CEBC) PART 10, TITLE 24, CCR
2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11, TITLE 24, CCR
2022 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24, CCR
TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS
TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS

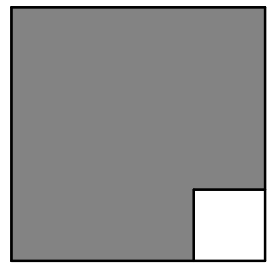
APPLICABLE STANDARDS

FOR A LIST OF APPLICABLE STANDARDS, INCLUDING CALIFORNIA AMENDMENTS TO THE NFPA STANDARDS, REFER TO CBC CHAPER 35 AND CFC CHAPTER 80.

GENERAL ENERGY CODE NOTES

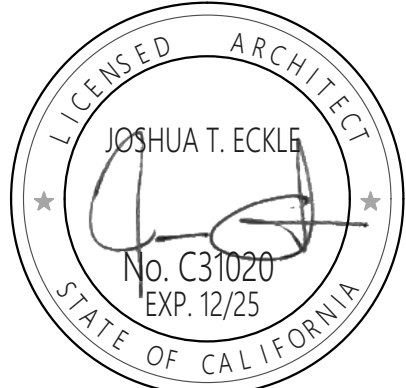
- THE CALIFORNIA ENERGY CODE SECTION 10-103 REQUIRES ACCEPTANCE TESTING ON ALL NEWLY INSTALLED LIGHTING CONTROLS, MECHANICAL SYSTEMS, ENVELOPES, AND PROCESS EQUIPMENT AFTER INSTALLATION AND BEFORE PROJECT COMPLETION. AN ACCEPTANCE TEST IS A FUNCTIONAL PERFORMANCE TEST TO HELP ENSURE THAT NEWLY INSTALLED EQUIPMENT IS OPERATING AND IN COMPLIANCE WITH THE ENERGY CODE.
- LIGHTING CONTROLS ACCEPTANCE TEST MUST BE PERFORMED BY A CERTIFIED LIGHTING TEST TECHNICIAN (ATT).
- MECHANICAL SYSTEM ACCEPTANCE TEST MUST BE PERFORMED BY A CERTIFIED MECHANICAL ATT FOR PROJECTS SUBMITTED ON OR AFTER OCTOBER 1, 2021.
- ENVELOPE AND PROCESS EQUIPMENT ACCEPTANCE TESTS SHALL BE PERFORMED BY THE INSTALLING CONTRACTOR, ENGINEER/ARCHITECT OF RECORD OR THE OWNER'S AGENT.
- A LISTING OF CERTIFIED ATT CAN BE FOUND AT: [HTTPS://WWW.ENERGY.CA.GOV/ PROGRAMS-AND-TOPICS/PROGRAMS/ACCEPTANCE-TEST-TECHNICIAN-CERTIFICATION- PROVIDER-PROGRAM/ACCEPTANCE](https://www.energy.ca.gov/programs-and-topics/programs/acceptance-test-technician-certification-provider-program/acceptance).
- THE ACCEPTANCE TESTING PROCEDURES MUST BE REPEATED, AND DEFICIENCIES MUST BE CORRECTED BY THE BUILDER OR INSTALLING CONTRACTOR UNTIL THE CONSTRUCTION/INSTALLATION OF THE SPECIFIED SYSTEMS CONFORM AND PASS THE REQUIRED ACCEPTED CRITERIA.
- PROJECT INSPECTORS WILL COLLECT THE FORMS TO CONFIRM THAT THE REQUIRED ACCEPTANCE TESTS HAVE BEEN COMPLETED.

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REVISIONS		
MARK	DATE	DESCRIPTION
	12/06/24	BID SET
PROJECT NO: 23-016		
MODEL FILE: 23-016 VAPA SWITCHGEAR.pln		
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SHEET TITLE		

APPLICABLE CODES AND
GENERAL NOTES

T-002

VAPASWITCHGEAR REPLACEMENT VISTAACADEMY OF VISUAL & PERFORMING ARTS

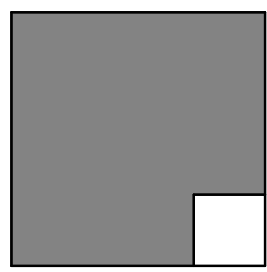
STANDARD ABBREVIATIONS

&	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.	ASPAHLT	GND.	GROUND	SUSP.	SUSPENDED
A/C.	AIR CONDITIONING	SPDW.	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.	HEAD	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	HDWD.	HARDWARE	THK.	THICK
AS.	AUTOMATIC SPRINKLER	HNDRL.	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	UON	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	MAT'L.	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	WSCT.	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		
OPT.	CARPET	NIC.	NOT IN CONTRACT		
CTR.	CENTER	NO.	NUMBER		
CTSK.	COUNTERSINK	NOM.	NOMINAL		
CW.	COLD WATER	NMS.	NOT TO SCALE		
D.	DRAIN	OA.	OVERALL		
DBL.	DOUBLE	O/A	OVERALL		
DEPT.	DEPARTMENT	OBS.	OBSCURE		
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.	OPPOSET		
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	PLUMB.	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.	ELECTRIC WATER COOLER	QT.	QUARRY TILE		
EH.	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 LINE	SH.	SHELF		
FLR.	FLOOR	SHR.	SHOWER		
FLOUR.	FLOURESCENT	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

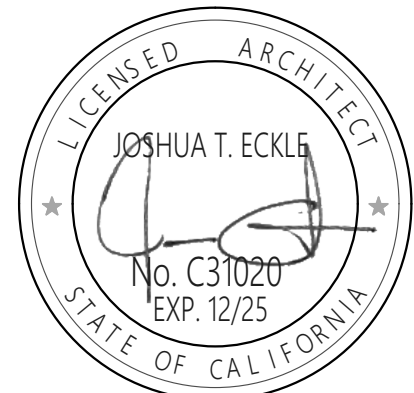
ACOUSTIC TILE CEILING (ATC) IN SUSPENDED T-BAR CEILING GRID (2'X4')		ROOM ELEVATION		'X' INDICATES CORRESPONDING ELEVATION REFERENCE
GYPSUM BOARD CEILING (INTERIOR) STUCCO SOFFIT (EXTERIOR)		DETAIL REFERENCE		NUMBER REFERENCES FINISH SCHEDULE ELEVATION
SUSPENDED LIGHT FIXTURE IN ATC		EXTERIOR ELEVATION MARKER		CORRESPONDING SHEET NUMBER OF ELEVATION
LIGHT FIXTURE		SECTION MARKER		DETAIL NUMBER
AIR DIFFUSER (SUPPLY)				CORRESPONDING SHEET NUMBER OF DETAIL
AIR DIFFUSER (RETURN)		DOOR IDENTIFICATION		EXTERIOR ELEVATION NUMBER
FINISHED CEILING HEIGHT, WHERE HEIGHTS ARE NOT INDICTAED REFER TO FINISH SCHEDULE.		WINDOW IDENTIFICATION		CORRESPONDING SHEET NUMBER OF ELEVATION
EXISTING WALL TO REMAIN		REVISION		ORIENTATION OF SECTION CUT
NEW WALL		KEYNOTE		BUILDING SECTION LETTER
EXISTING WALL TO BE DEMOLISHED		ROOM NAME/NUMBER MARKER		CORRESPONDING SHEET NUMBER OF SECTION
HATCH MAY VARY BASED ON RATING				CORRESPONDING ROOM NUMBER
RATED WALL (NEW OR EXISTING)		EXISTING ACCESSIBLE PATH OF TRAVEL (POT)		WINDOW NUMBER
WINDOW (NEW OR EXISTING)		NEW ACCESSIBLE PATH OF TRAVEL (POT)		REVISION NUMBER
WINDOW TO BE DEMOLISHED		60" DIAMETER ACCESSIBLE CLEAR SPACE		KEYNOTE NUMBER
DOOR (NEW OR EXISTING)		30"X48" ACCESSIBLE CLEAR SPACE		TYPICAL WHERE NOTED. TYPICAL ITEMS WILL NOT BE NOTED AT ALL LOCATION.
DOOR TO BE DEMOLISHED				
DIRECTION OF FLOW				
ROOF DRAIN/OVERFLOW DRAIN				
CRICKET				
APPROXIMATE LOCATION OF PROTECTIVE ROOF WALKTOP				
		TYPICAL CABINET DESIGNATION (BASE, FULL, OVERHEAD)		
		DEPTH DIMENSION		LENGTH DIMENSION
		P-LAM BACKSPLASH (WHERE OCCURS)		W.I.C. NUMBER
		P-LAM COUNTERTOP U.N.O.		HEIGHT DIMENSION
		CABINET DOORS NOT PERMITTED AT ACCESSIBLE SINK LOCATIONS.		'L' INDICATES LOCK LOCATION(S)
				TOE KICK

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VAPASWITCHGEAR
REPLACEMENT
VISTAACADEMY OF VISUAL & PERFORMING ARTS
600 N SANTA FE AVE
VISTA, CA 92083
VISTA UNIFIED SCHOOL DISTRICT
1234 ARCADIA AVE VISTA CA 92084

REVISIONS		
MARK	DATE	DESCRIPTION
	12/06/24	BID SET

PROJECT NO: 23-016

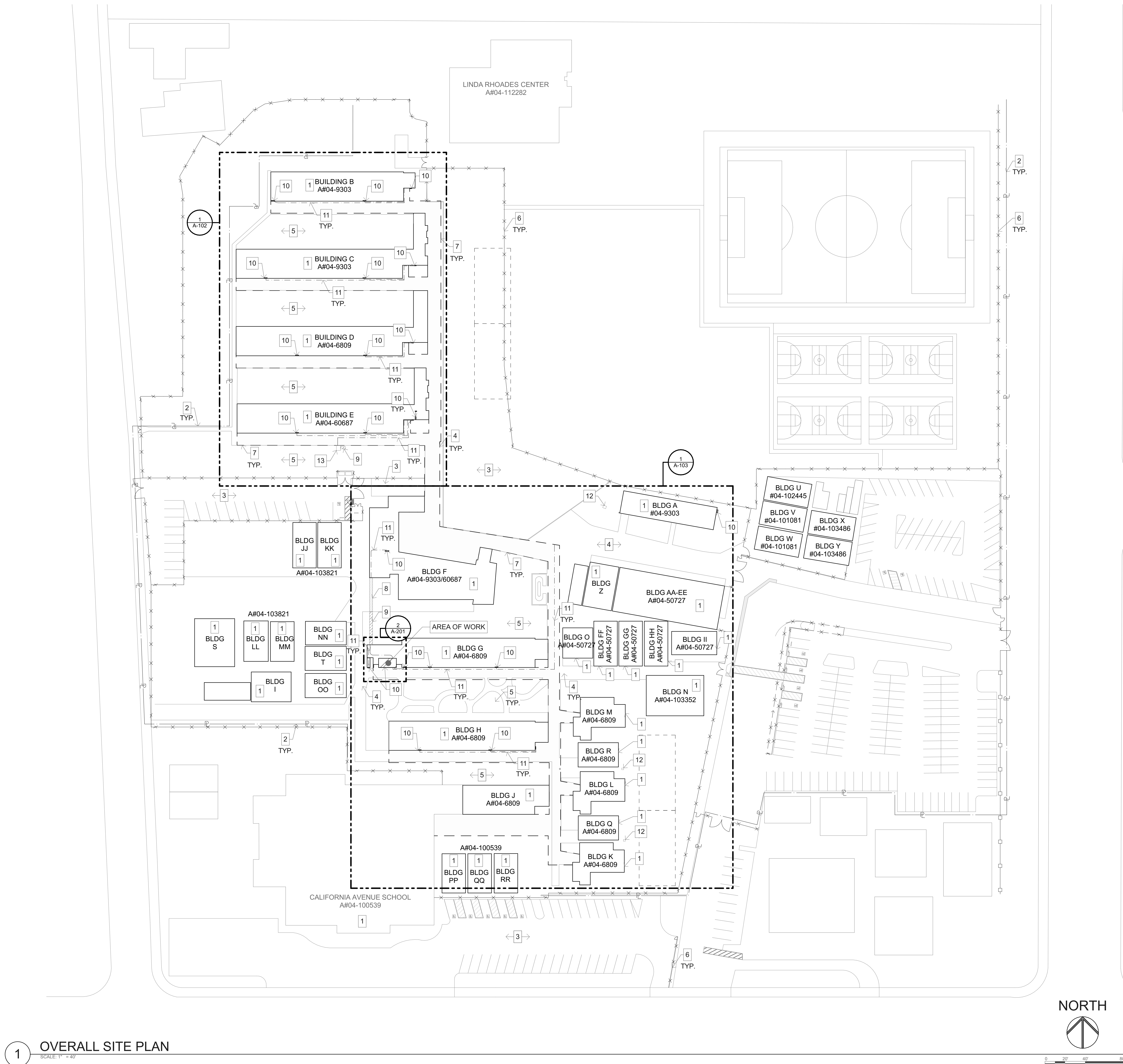
MODEL FILE:
23-016 VAPA SWITCHGEAR.pln

PLOT DATE:
12/6/2024

SHEET TITLE

ABBREVIATIONS AND
TYPICAL SYMBOLS

T-003



KEYNOTES

1. EXISTING BUILDING TO REMAIN.
2. EXISTING PROPERTY LINE.
3. EXISTING ASPHALT PAVING TO REMAIN.
4. EXISTING CONCRETE PAVING TO REMAIN.
5. EXISTING LANDSCAPING TO REMAIN.
6. EXISTING CHAIN LINK FENCE TO REMAIN.
7. DASHED LINE INDICATES OVERHEAD CANOPY.
8. APPROXIMATE AREA OF TRENCHING AND PATCHING AT CONCRETE PER DETAILS 6 & 7/A-104 . REFER TO ENLARGED SITE PLANS & ELECTRICAL DRAWINGS.
9. APPROXIMATE AREA OF TRENCHING AND PATCHING AT LANDSCAPE PER DETAILS 6 & 7/A-104 . REFER TO ENLARGED SITE PLANS & ELECTRICAL DRAWINGS.
10. APPROXIMATE LOCATION OF EXISTING PANELBOARDS. REFER TO ELECTRICAL DRAWINGS.
11. APPROXIMATE LOCATION OF NEW OVERHEAD CONDUIT WORK. REFER TO ENLARGED SITE PLANS & ELECTRICAL DRAWINGS.
12. EXISTING UNDERGROUND PULL BOX TO REMAIN. REFER TO ELECTRICAL DRAWINGS.
13. NEW PULL BOX. REFER TO ELECTRICAL DRAWINGS.

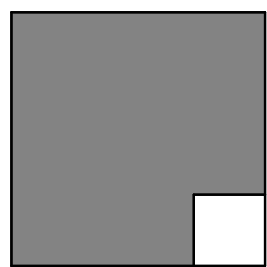
SITE LEGEND

SYMBOL	DESCRIPTION
	APPROXIMATE AREA OF TRENCHING AND PATCHING AT LANDSCAPE PER DETAILS 6 & 7/A-104. REFER TO ENLARGED SITE PLANS & ELECTRICAL DRAWINGS.
	APPROXIMATE AREA OF TRENCHING AND PATCHING AT CONCRETE PER DETAILS 6 & 7/A-104. REFER TO ENLARGED SITE PLANS & ELECTRICAL DRAWINGS.
	APPROXIMATE LOCATION OF NEW OVERHEAD CONDUIT WORK. REFER TO ENLARGED SITE PLANS & ELECTRICAL DRAWINGS.

GENERAL NOTES

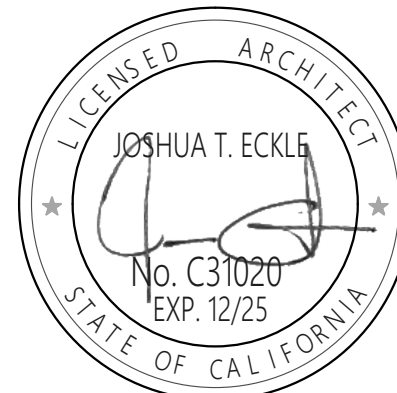
1. ALL LANDSCAPE AREAS, PAVING, AND SURFACING DISTURBED BY THE WORK OF THIS CONTRACT SHALL BE REPAIRED AND/OR REPLACED BY THE CONTRACTOR TO ORIGINAL INDUSTRY STANDARD OF QUALITY.
2. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UTILITIES, INCLUDING BUT NOT LIMITED TO ELECTRICAL, SIGNAL, PLUMBING, ETC. THE CONTRACTOR SHALL PROTECT AND MAINTAIN EXISTING UTILITIES DURING CONSTRUCTION AND/OR TRENCHING.

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VAPA SWITCHGEAR
REPLACEMENT
VISTA ACADEMY OF VISUAL & PERFORMING ARTS
600 N SANTA FE AVE
VISTA, CA 92083
VISTA UNIFIED SCHOOL DISTRICT
1234 ARCADIA AVE VISTA CA 92084

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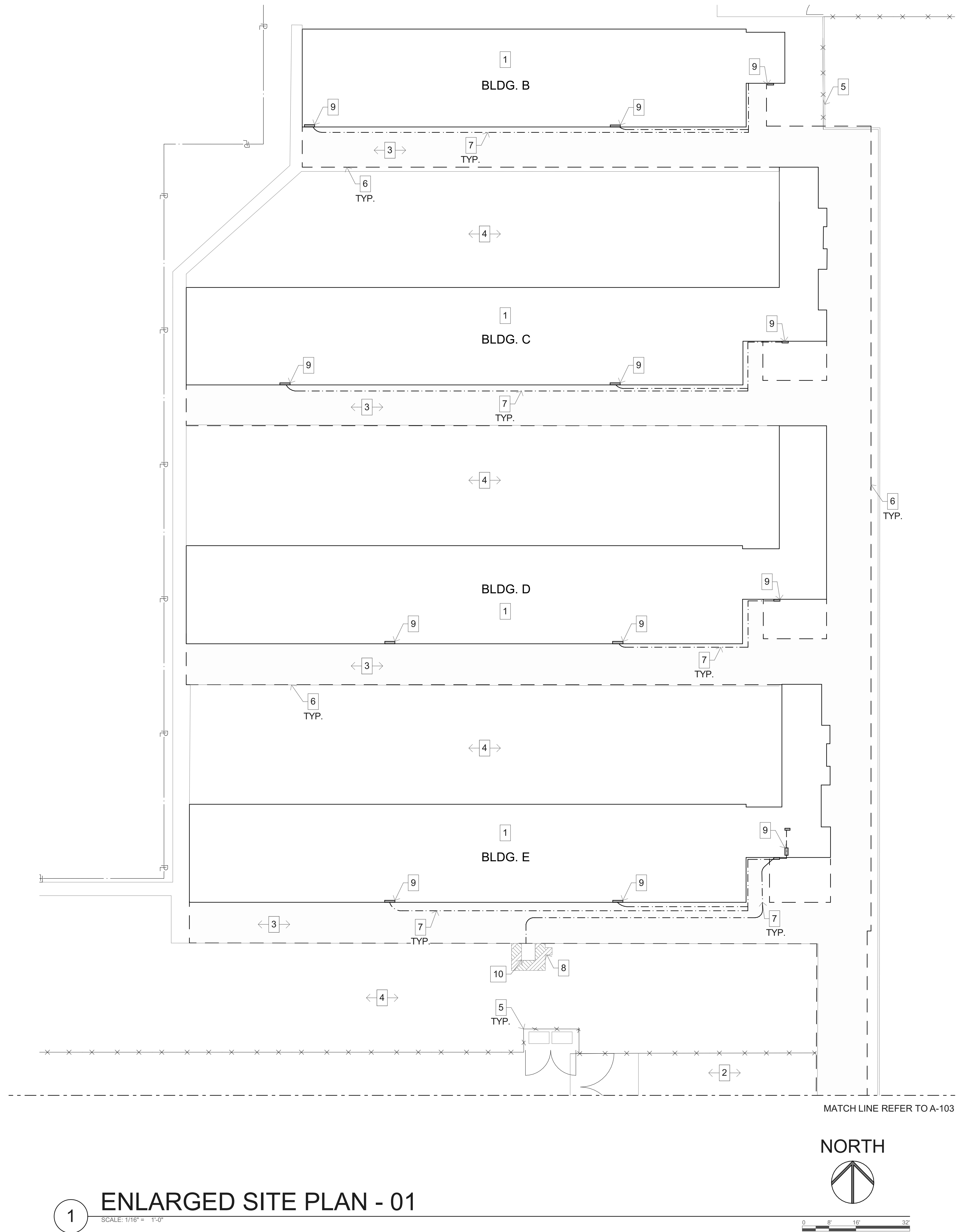
MODEL FILE:
23-016 VAPA SWITCHGEAR.plr

PLOT DATE:
12/6/2024

SHEET TITLE

OVERALL SITE PLAN

A-101

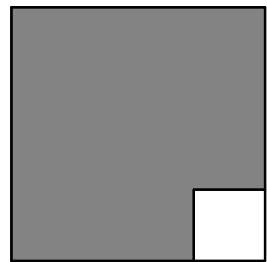


1 ENLARGED SITE PLAN - 01
SCALE: 1/16" = 1'-0"

KEYNOTES

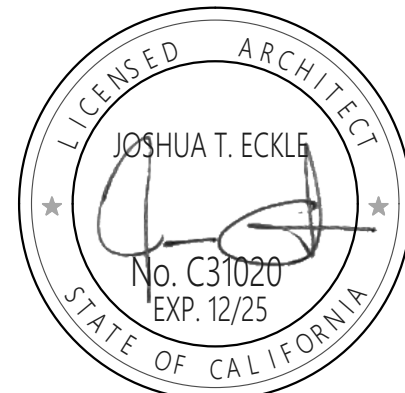
- EXISTING BUILDING TO REMAIN.
- EXISTING ASPHALT PAVING TO REMAIN.
- EXISTING CONCRETE PAVING TO REMAIN.
- EXISTING LANDSCAPING TO REMAIN.
- EXISTING CHAIN LINK FENCE TO REMAIN.
- DASHED LINE INDICATES OVERHEAD CANOPY.
- NEW CONDUIT OR WIRE CONCEALED OVERHEAD. REFER TO SITE LEGEND.
- APPROXIMATE AREA OF TRENCHING AND PATCHING AT LANDSCAPE PER DETAILS 6 & 7/A-104 . REFER TO SITE LEGEND & ELECTRICAL DRAWINGS.
- APPROXIMATE LOCATION OF EXISTING PANELBOARDS. REFER TO SITE LEGEND & ELECTRICAL DRAWINGS.
- NEW UNDERGROUND PULL BOX. REFER TO ELECTRICAL DRAWINGS.

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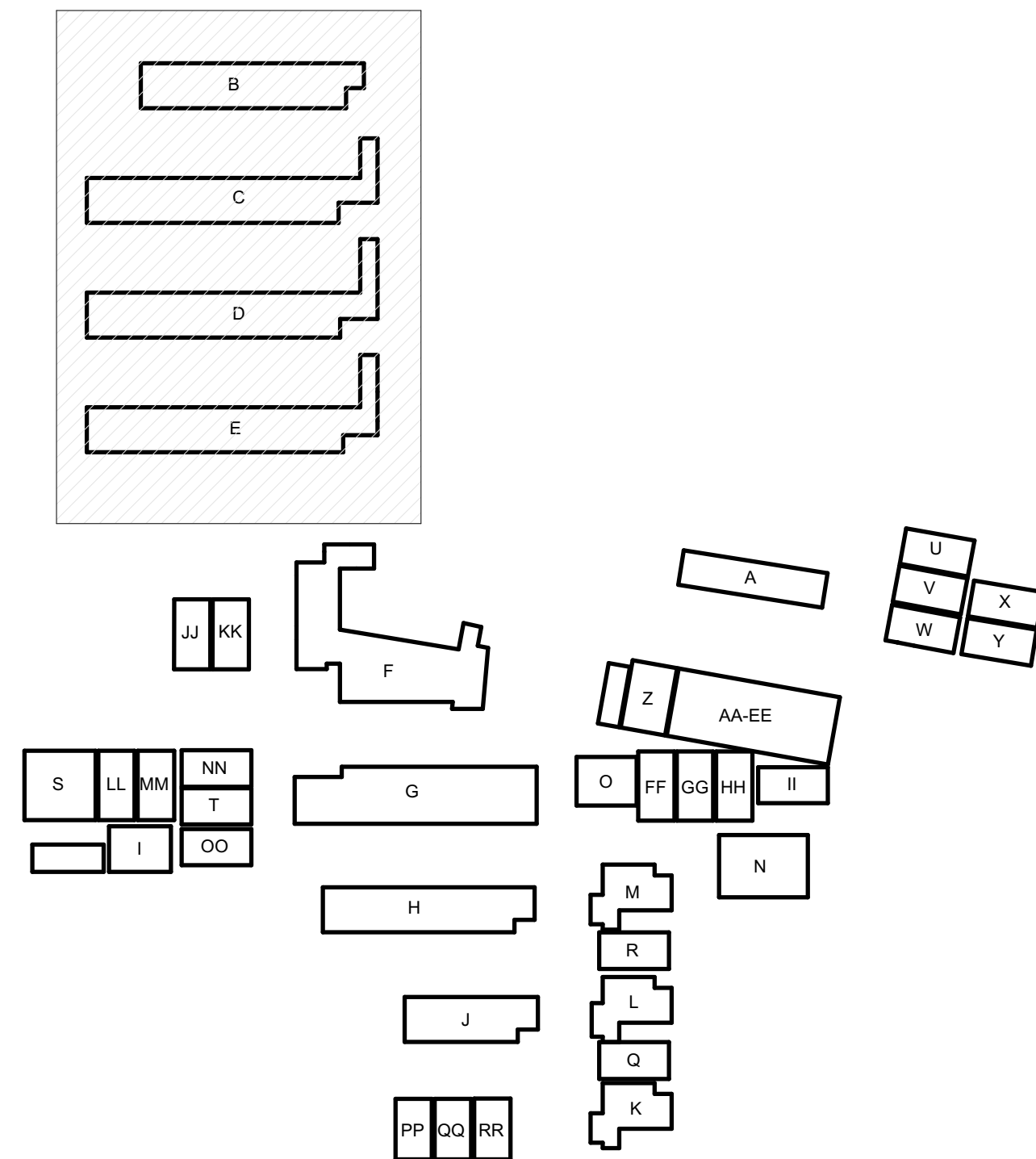
SITE LEGEND

SYMBOL	DESCRIPTION
	APPROXIMATE AREA OF TRENCHING AND PATCHING AT LANDSCAPE PER DETAILS 6 & 7/A-104 . REFER TO ELECTRICAL DRAWINGS.
	APPROXIMATE AREA OF TRENCHING AND PATCHING AT CONCRETE PER DETAILS 6 & 7/A-104 . REFER TO ELECTRICAL DRAWINGS.
	APPROXIMATE LOCATION OF NEW OVERHEAD CONDUIT WORK. REFER TO DETAILS 10 & 12/A-201 & ELECTRICAL DRAWINGS.

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KEY PLAN



VAPASWITCHGEAR
REPLACEMENT
VISTA ACADEMY OF VISUAL & PERFORMING ARTS
600 N SANTA FE AVE
VISTA, CA 92083
VISTA UNIFIED SCHOOL DISTRICT
1234 ARCADIA AVE VISTA CA 92084

REVISIONS		
MARK	DATE	DESCRIPTION
	12/06/24	BID SET

PROJECT NO: 23-016

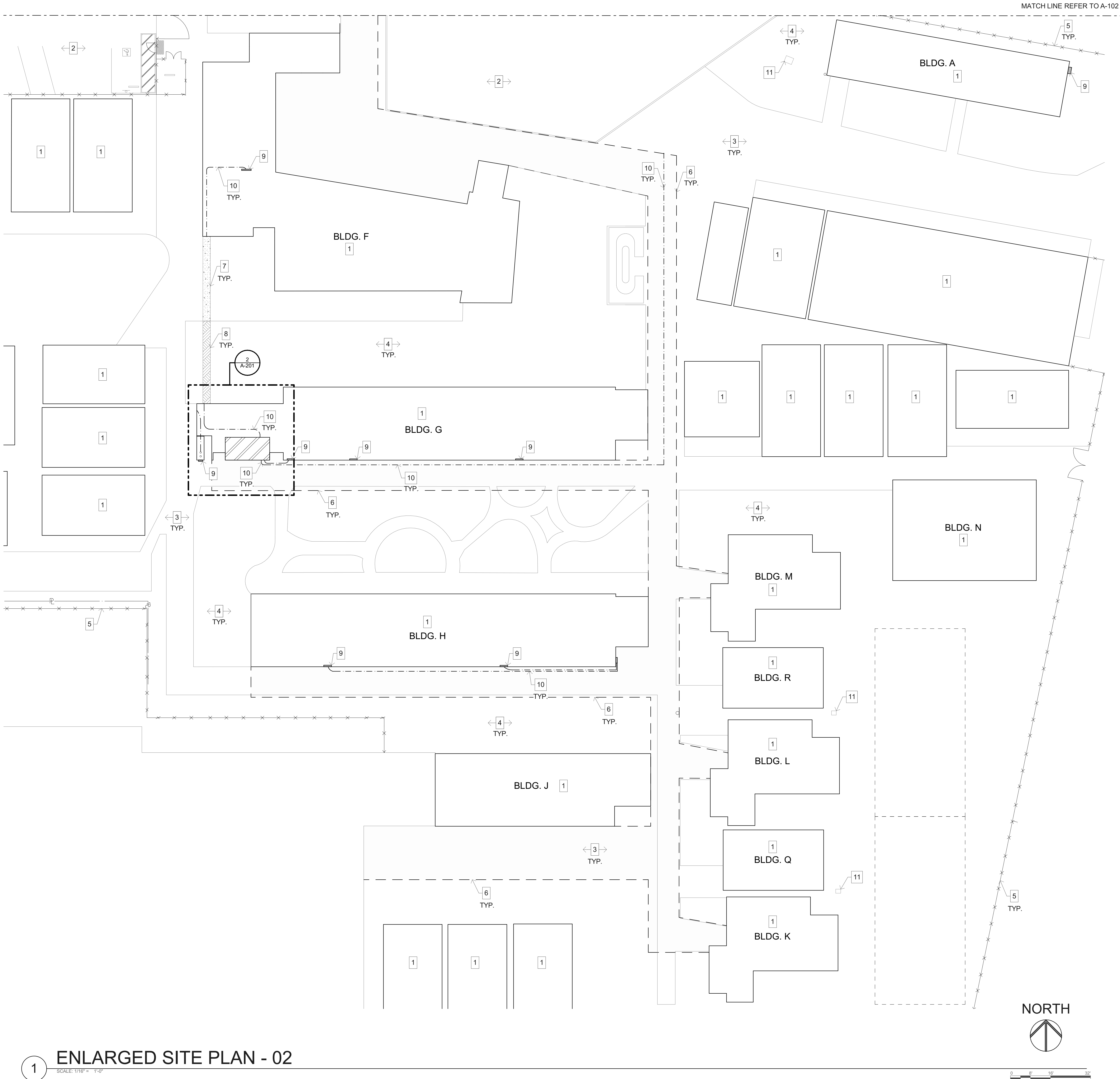
MODEL FILE:
23-016 VAPA SWITCHGEAR.pln

PLOT DATE:
12/6/2024

SHEET TITLE

ENLARGED SITE PLAN-
01

A-102



1 ENLARGED SITE PLAN - 02

SCALE: 1/16" = 1'-0"

KEYNOTES

1. EXISTING BUILDING TO REMAIN.
2. EXISTING ASPHALT PAVING TO REMAIN.
3. EXISTING CONCRETE PAVING TO REMAIN.
4. EXISTING LANDSCAPING TO REMAIN.
5. EXISTING CHAIN LINK FENCE TO REMAIN.
6. DASHED LINE INDICATES OVERHEAD CANOPY.
7. APPROXIMATE AREA OF TRENCHING AND PATCHING AT CONCRETE PER DETAILS 6 & 7/A-104 . REFER TO SITE LEGEND & ELECTRICAL DRAWINGS.
8. APPROXIMATE AREA OF TRENCHING AND PATCHING AT LANDSCAPE PER DETAILS 6 & 7/A-104 . REFER TO SITE LEGEND & ELECTRICAL DRAWINGS.
9. APPROXIMATE LOCATION OF EXISTING PANELBOARDS. REFER TO SITE LEGEND & ELECTRICAL DRAWINGS.
10. NEW CONDUIT OR WIRE CONCEALED OVERHEAD. REFER TO SITE LEGEND.
11. EXISTING UNDERGROUND PULL BOX TO REMAIN. REFER TO ELECTRICAL DRAWINGS.

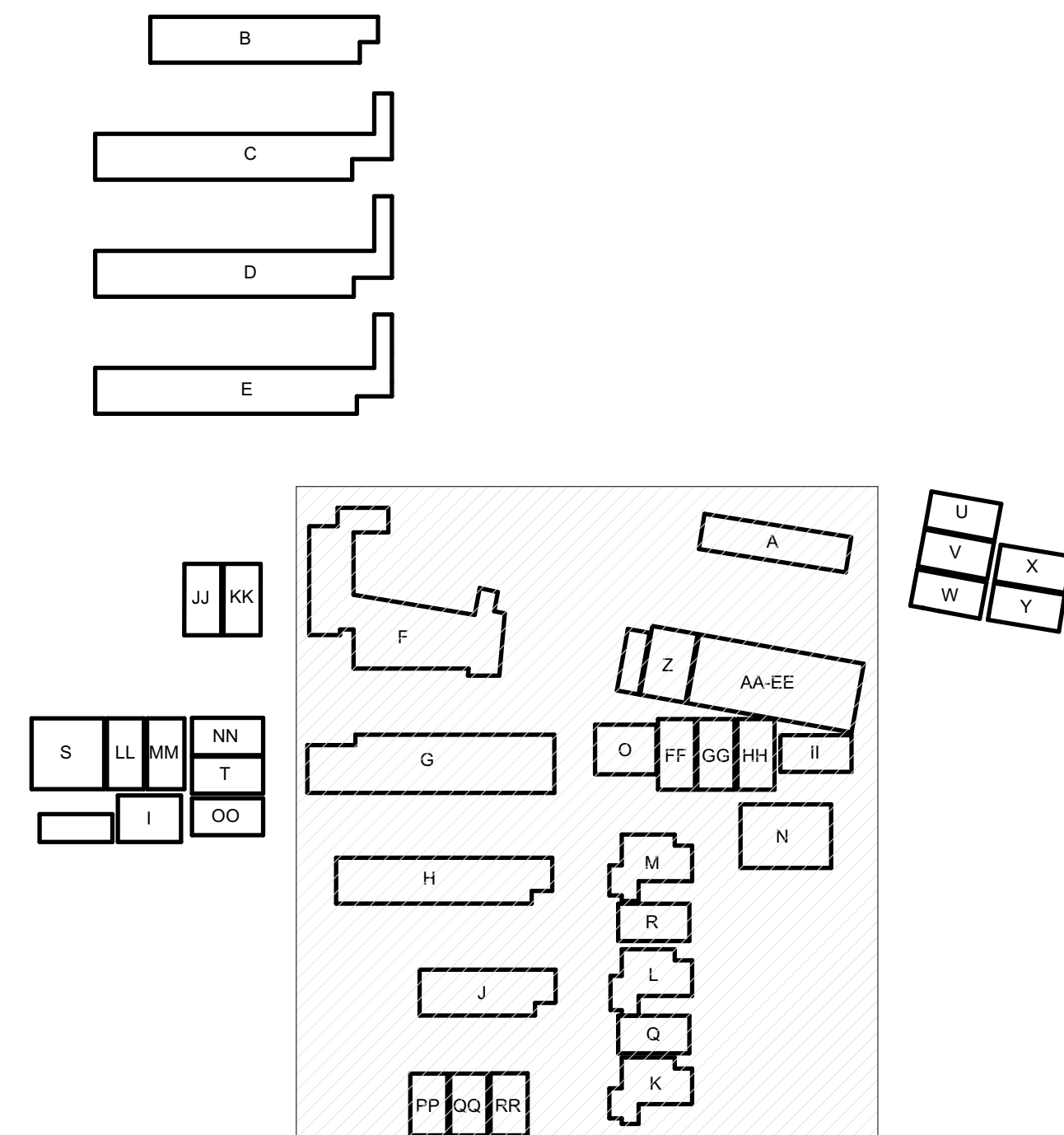
SITE LEGEND

SYMBOL	DESCRIPTION
	APPROXIMATE AREA OF TRENCHING AND PATCHING AT LANDSCAPE PER DETAILS 6 & 7/A-104 . REFER TO ELECTRICAL DRAWINGS.
	APPROXIMATE AREA OF TRENCHING AND PATCHING AT CONCRETE PER DETAILS 6 & 7/A-104 . REFER TO ELECTRICAL DRAWINGS.
	APPROXIMATE LOCATION OF NEW OVERHEAD CONDUIT WORK. REFER TO DETAILS 10 & 12/A-201 & ELECTRICAL DRAWINGS.

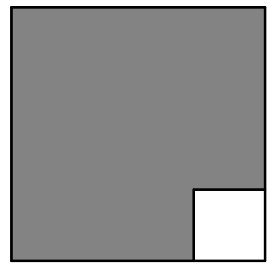
GENERAL NOTES

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KEY PLAN

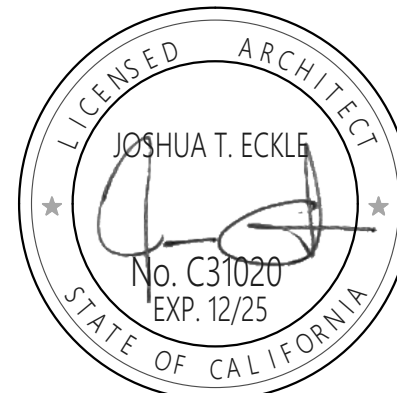


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VAPA SWITCHGEAR REPLACEMENT

VISTA ACADEMY OF VISUAL & PERFORMING ARTS

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VISTA, CA 92083

VISTA UNIFIED SCHOOL DISTRICT
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REVISIONS

MARK	DATE	DESCRIPTION
	12/06/24	BID SET

PROJECT NO: 23-016

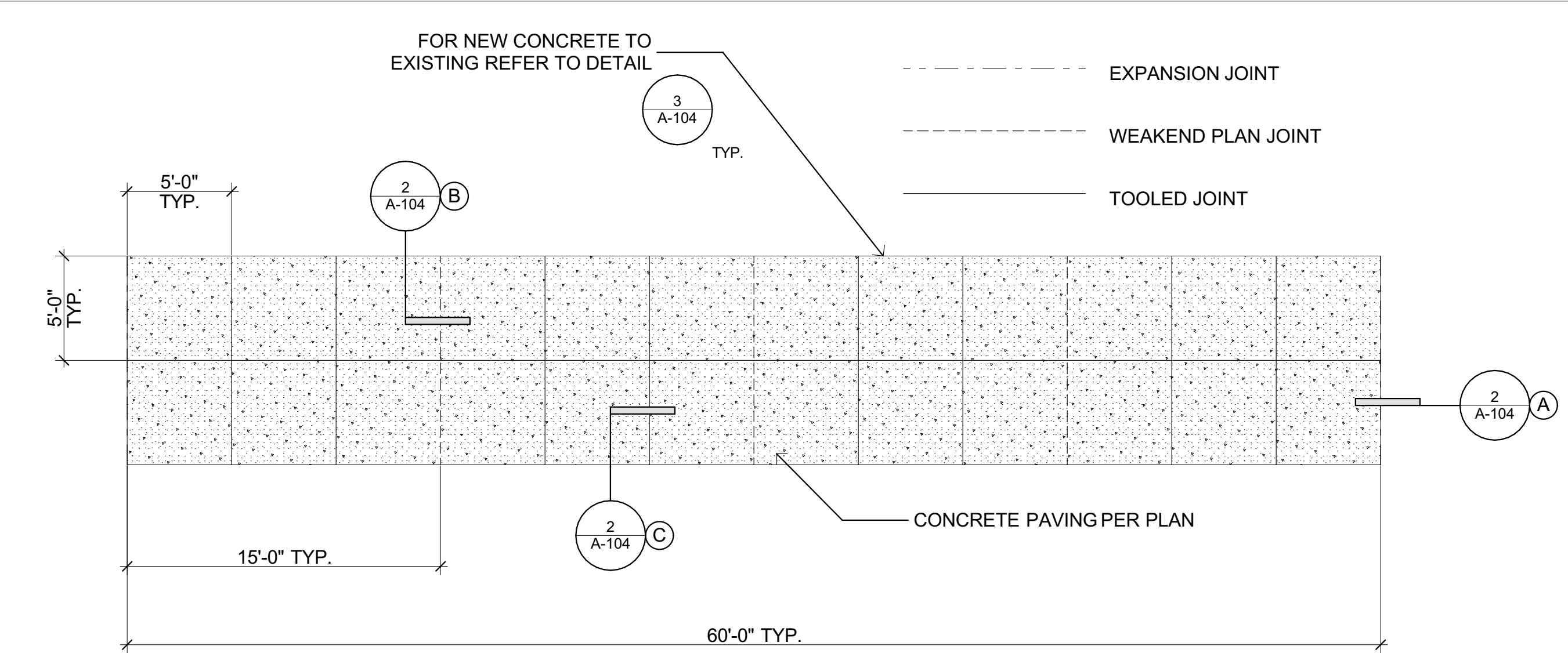
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PLOT DATE:
12/6/2024

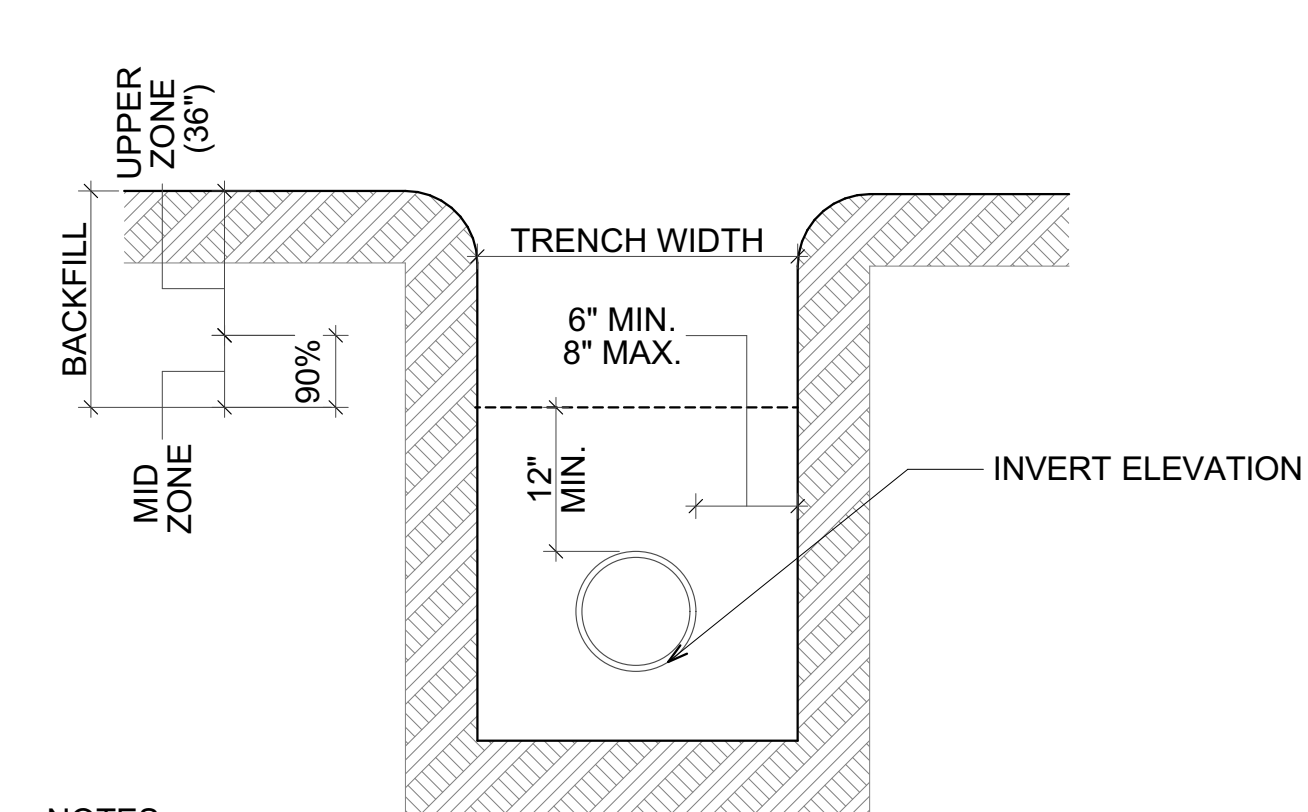
SHEET TITLE

ENLARGED SITE PLAN -
02

A-103

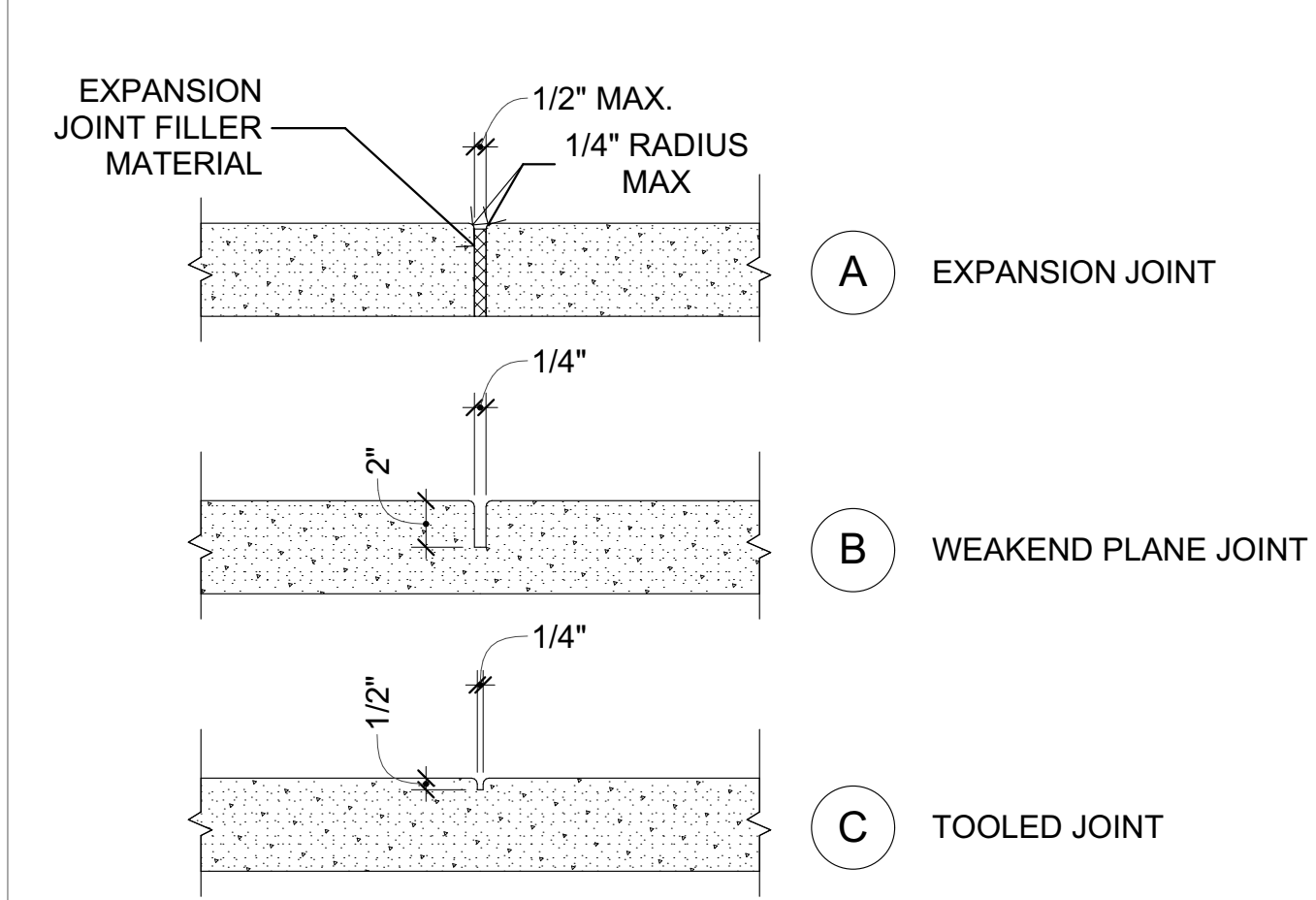


1 CONCRETE PAVING JOINTS PLAN
SCALE: 3/16" = 1'-0"

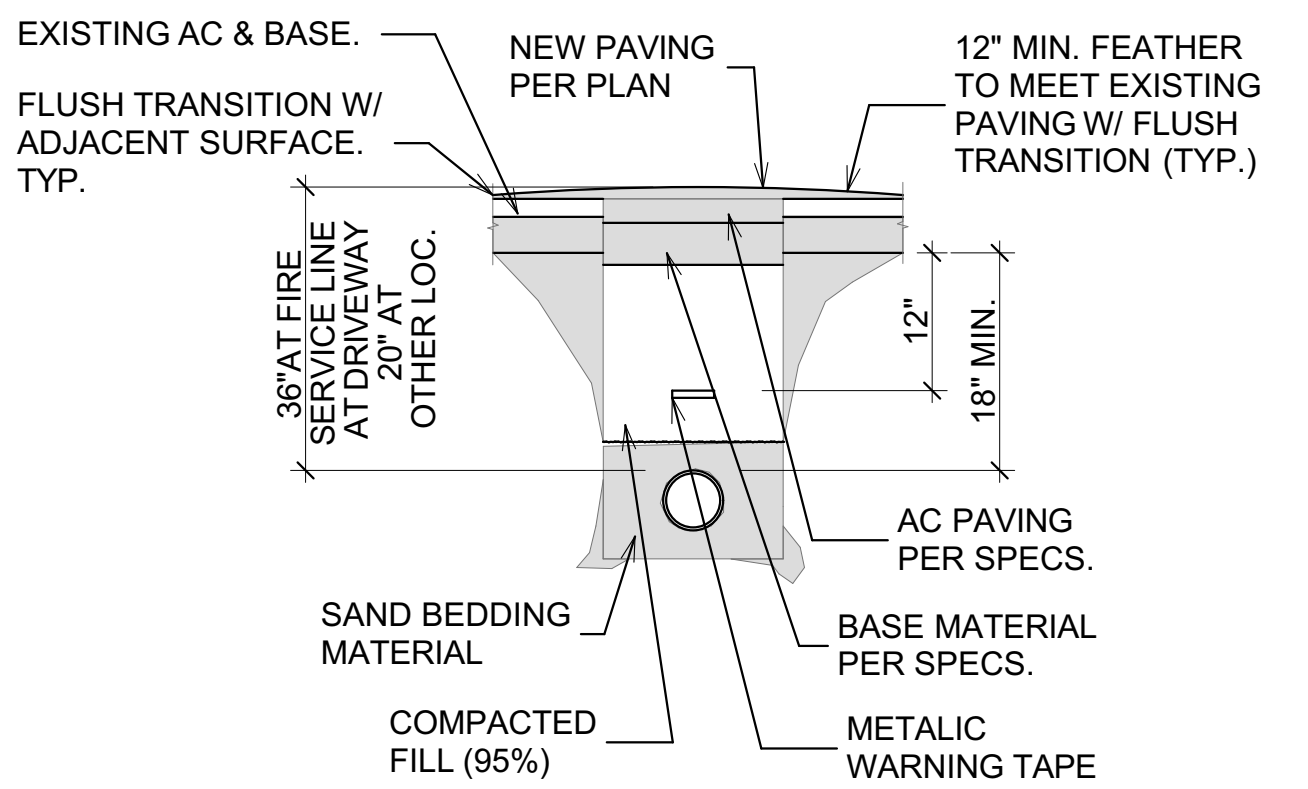


- NOTES:
1. FOR TRENCHING OF EXISTING SURFACES REFER TO TRENCH RESURFACING DETAIL 7/A-104 .
 2. (*) INDICATES MIN. RELATIVE COMPACTION.
 3. BEDDING MATERIAL SHALL EITHER BE SAND, GRAVEL, CRUSHED AGGREGATE, OR NATIVE FREE DRAINING GRANULAR MATERIAL HAVING SAND EQUIVALENT OF NOT LESS THAN 50 AND EXPANSION COEFFICIENT OF NOT MORE THAN .5 OF 1% (.5%).

6 PIPE TRENCH
SCALE: 3/4" = 1'-0"

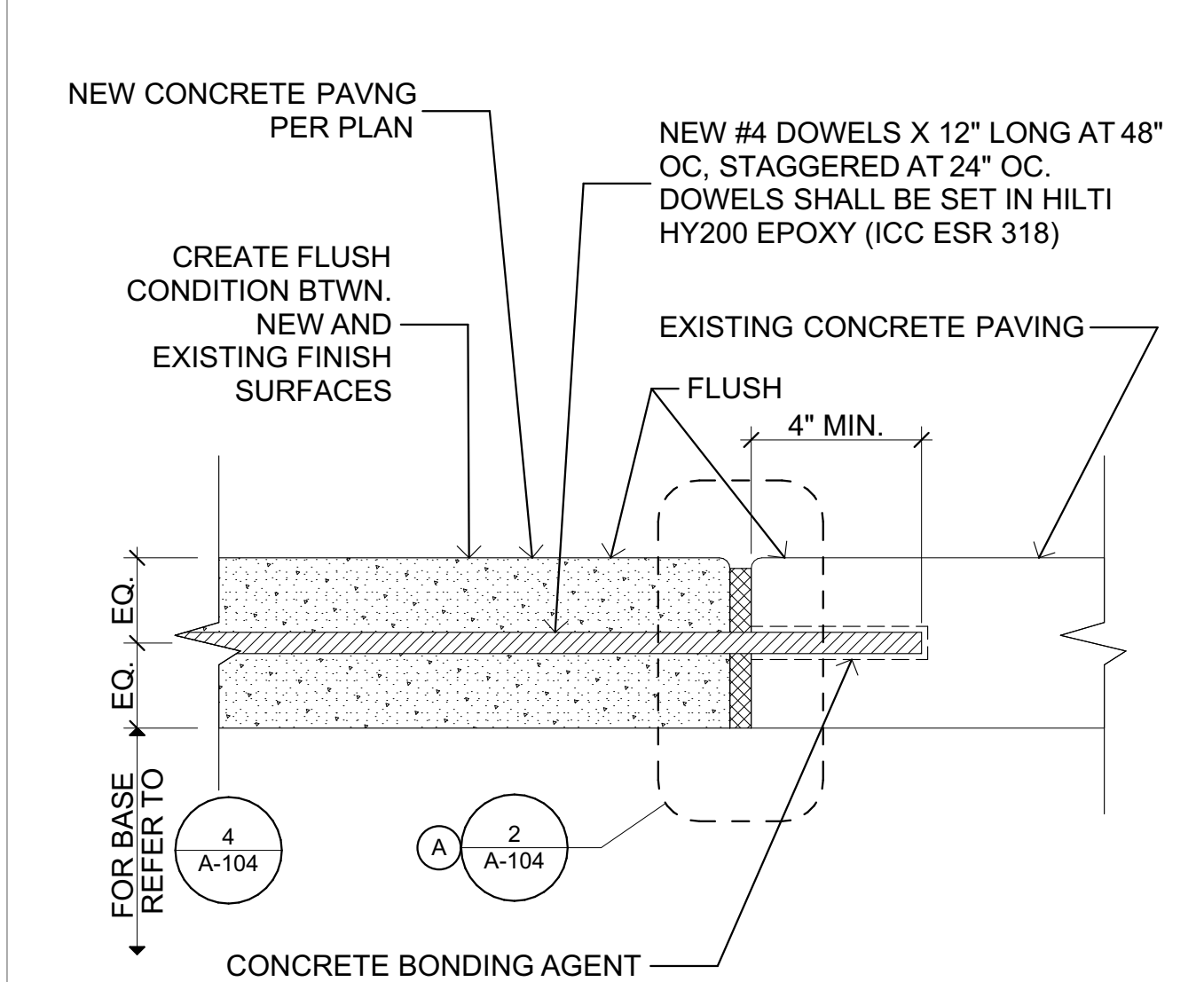


2 CONCRETE PAVING JOINTS
SCALE: 1 1/2" = 1'-0"

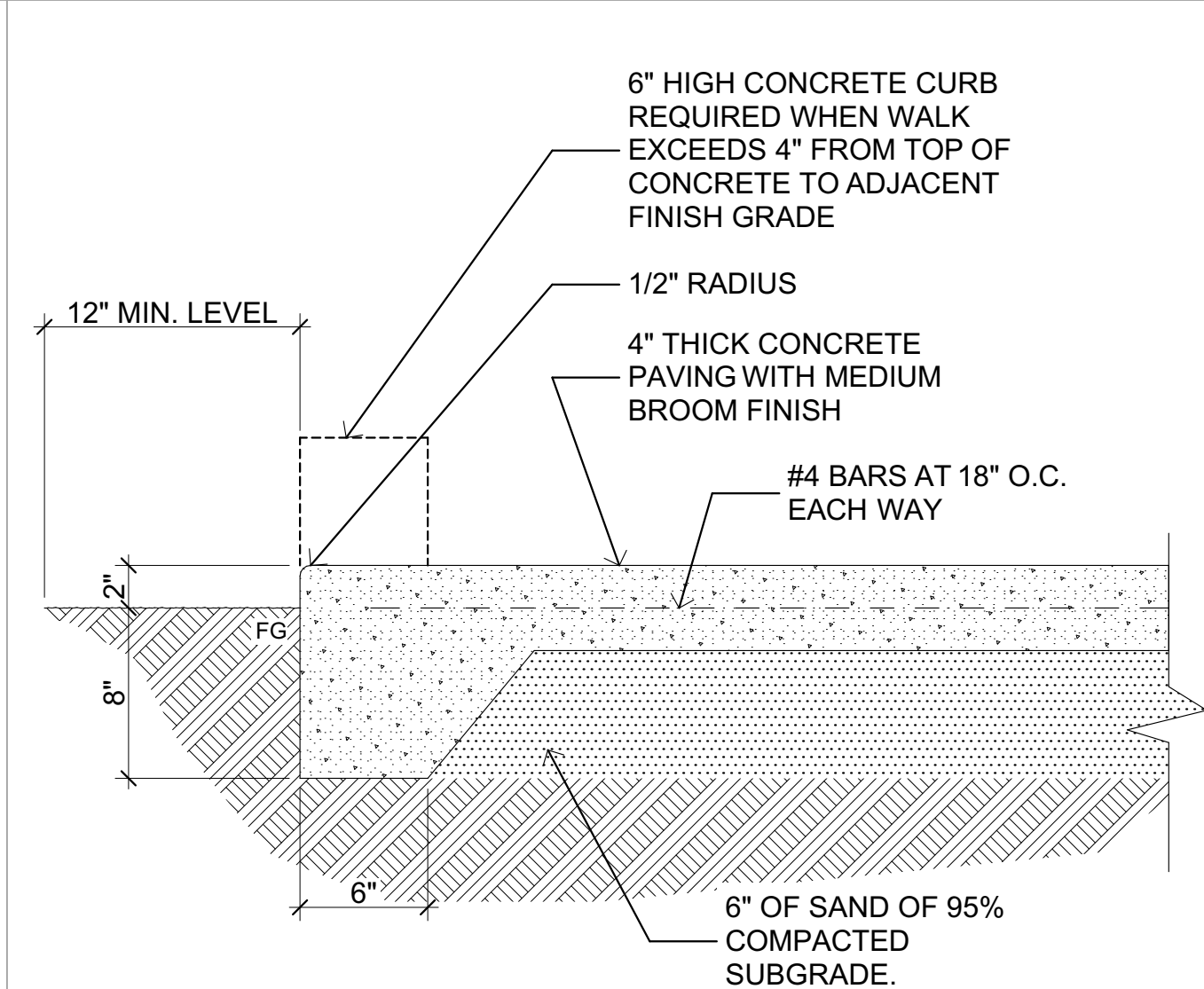


- NOTES:
1. EXISTING AC SHALL BE CUT AND REMOVED IN SUCH A MANNER AS NOT TO TEAR, BULGE, OR DISPLACE ADJACENT PAVEMENT. EDGES SHALL BE CLEAN AND VERTICAL.
 2. BASE MATERIAL TO BE REPLACED TO DEPTH OF EXISTING BASE - IF EXISTING BASE IS NOT PRESENT PROVIDE A MIN. BASE DEPTH OF 6". AC MAY BE SUBSTITUTED FOR BASE MATERIAL.
 3. A TACK COAT OF ASPHALTIC EMULSION OR PAVING ASPHALT SHALL BE APPLIED TO EXISTING AC AT ALL CONTACT SURFACES PRIOR TO RESURFACING.
 4. AC RESURFACING SHALL HAVE A MIN. TOTAL THICKNESS OF 1" GREATER THAN EXISTING AC. AC SHALL BE HOT PLANT MIX.
 5. ALL AC RESURFACING SHALL BE SEALED COATED W/ AN EMULSIFIED ASPHALT AND COVERED W/ SAND.
 6. AT PEDESTRIAN WAYS. SURFACING SHALL COMPLY W/ CBC 11B-302 AND 11B-303 TYP.
 7. 1:48 MAX. SLOPE IN ALL DIRECTIONS IN PATH OF TRAVEL.

7 TRENCH RESURFACING
SCALE: 3/4" = 1'-0"

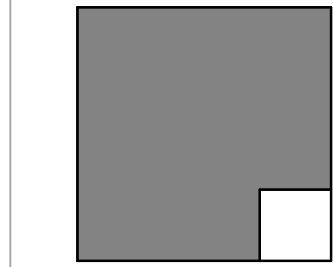


3 NEW CONCRETE TO EXISTING
SCALE: 3" = 1'-0"



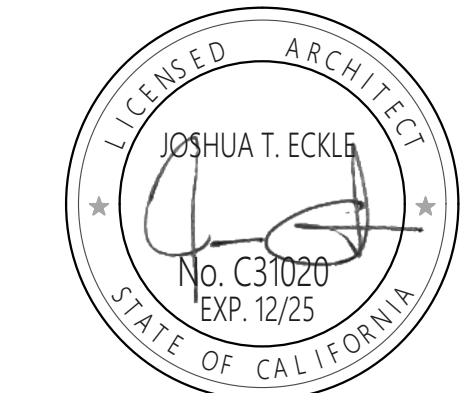
4 EDGE OF PAVING
SCALE: 1 1/2" = 1'-0"

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**VAPASWITCHGEAR
REPLACEMENT**
VISTA ACADEMY OF VISUAL & PERFORMING ARTS
600 N SANTA FE AVE
VISTA, CA 92083
VISTA UNIFIED SCHOOL DISTRICT
1234 ARCADIA AVE VISTA CA 92084

REVISIONS		
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	12/06/24	BID SET

PROJECT NO: 23-016

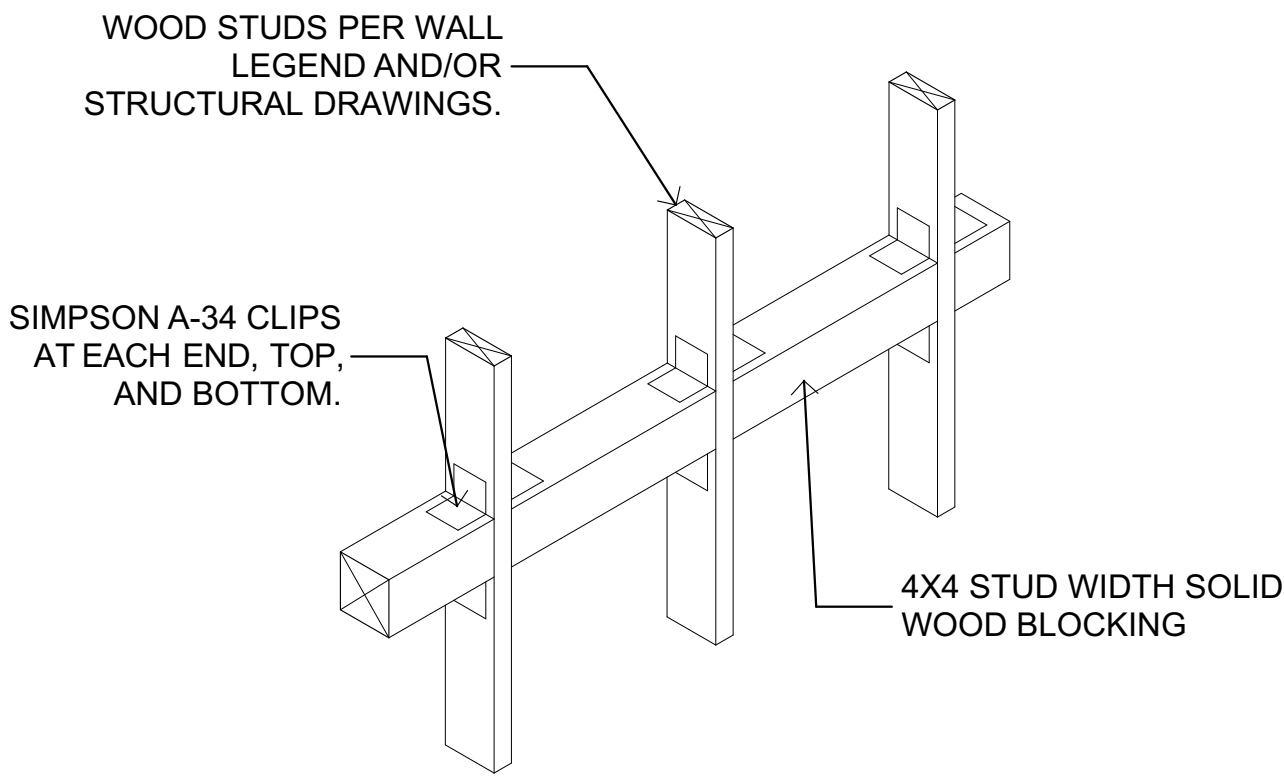
MODEL FILE:
23-016 VAPA SWITCHGEAR.pln

PLOT DATE:
12/6/2024

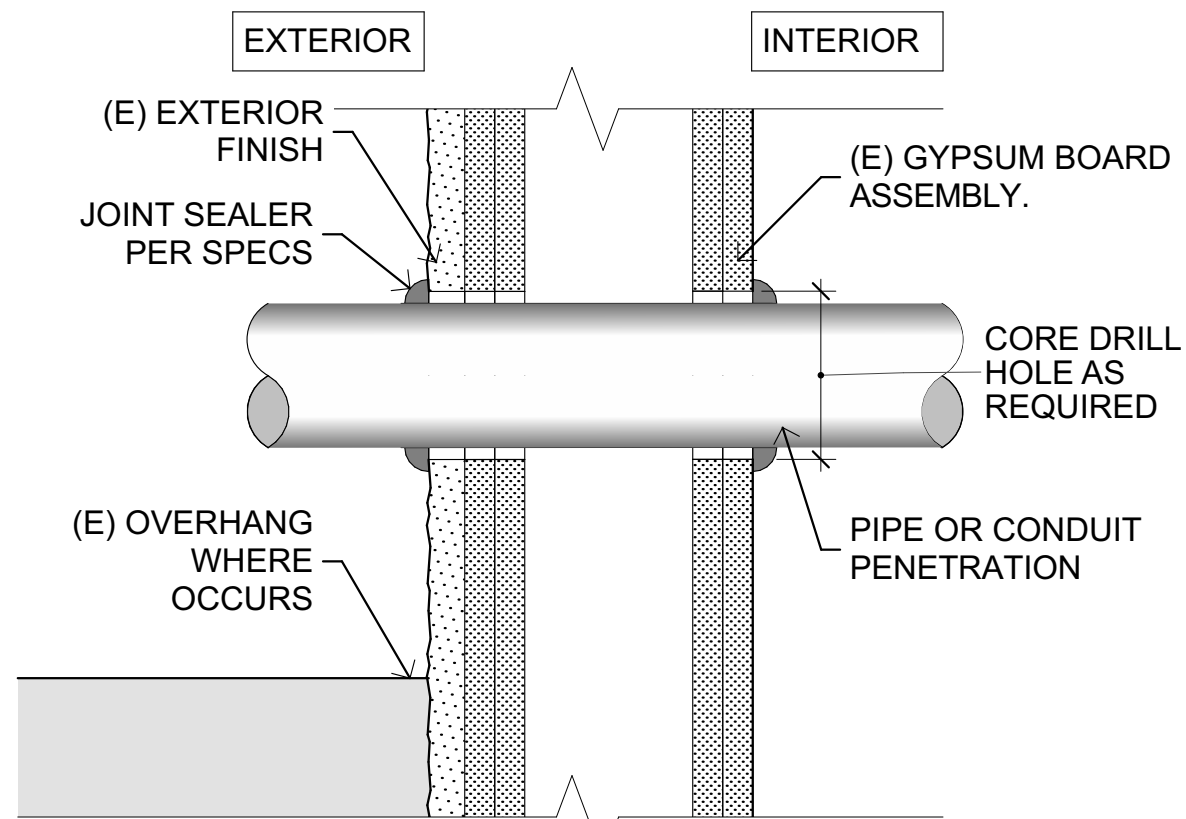
SHEET TITLE

SITE DETAILS

A-104

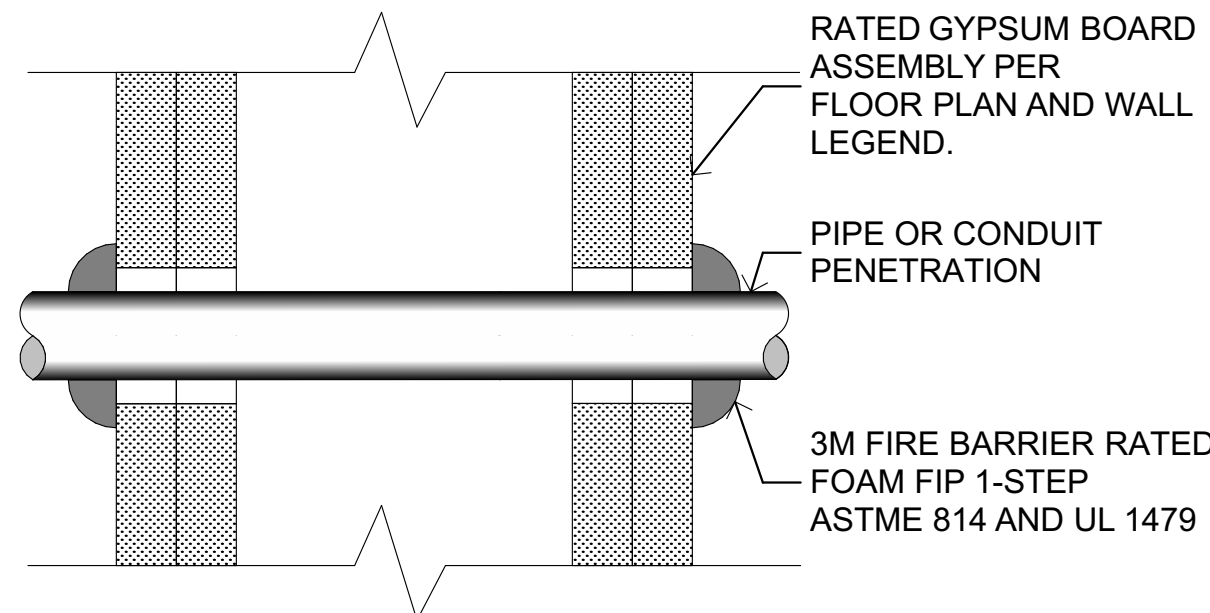


9 TYPICAL WOOD BLOCKING
SCALE: 1" = 1'-0"



NOTE:
- REPATCH EXISTING FINISHES

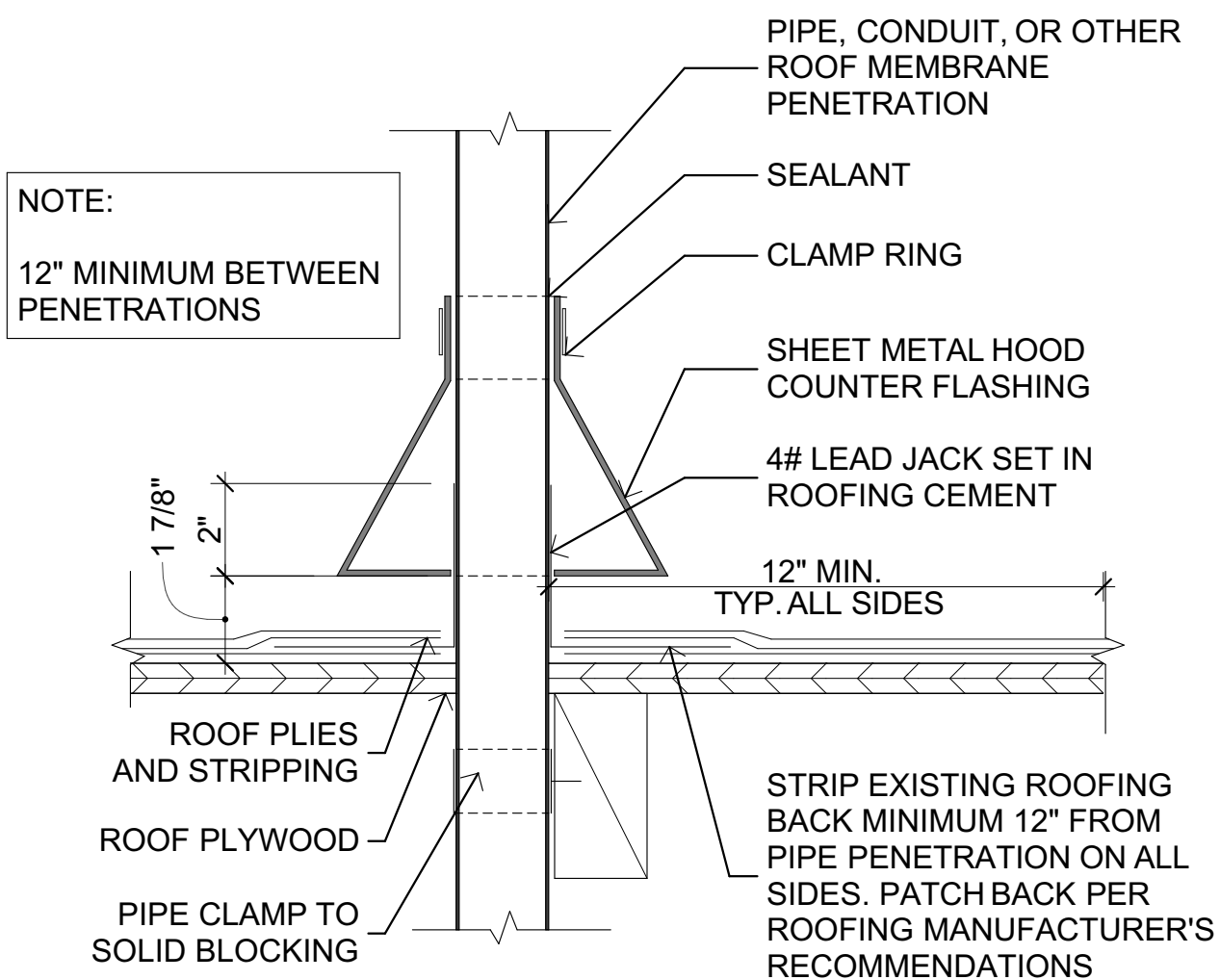
10 NON-RATED PENETRATION
SCALE: 3" = 1'-0"



NOTE:

- ALL PIPE/CONDUIT PENETRATIONS THROUGH FIRE RATED PARTITIONS SHALL COMPLY WITH THIS DETAIL. SEE ARCHITECTURAL PLANS FOR LOCATION OF ALL FIRE RATED PARTITIONS.
- PENETRATIONS OF WALLS AND WALL MEMBRANES REQUIRED TO HAVE A FIRE RESISTANCE RATING SHALL BE PROTECTED WITH THROUGH PENETRATION FIRE STOPS SUITABLE FOR THE METHOD OF PENETRATION. THROUGH PENETRATION FIRE STOPS SHALL BE TESTED USING UBC STANDARDS 7-5 (CBC SECTIONS 709.6, 709.7, AND 714)

11 RATED PENETRATION
SCALE: 6" = 1'-0"

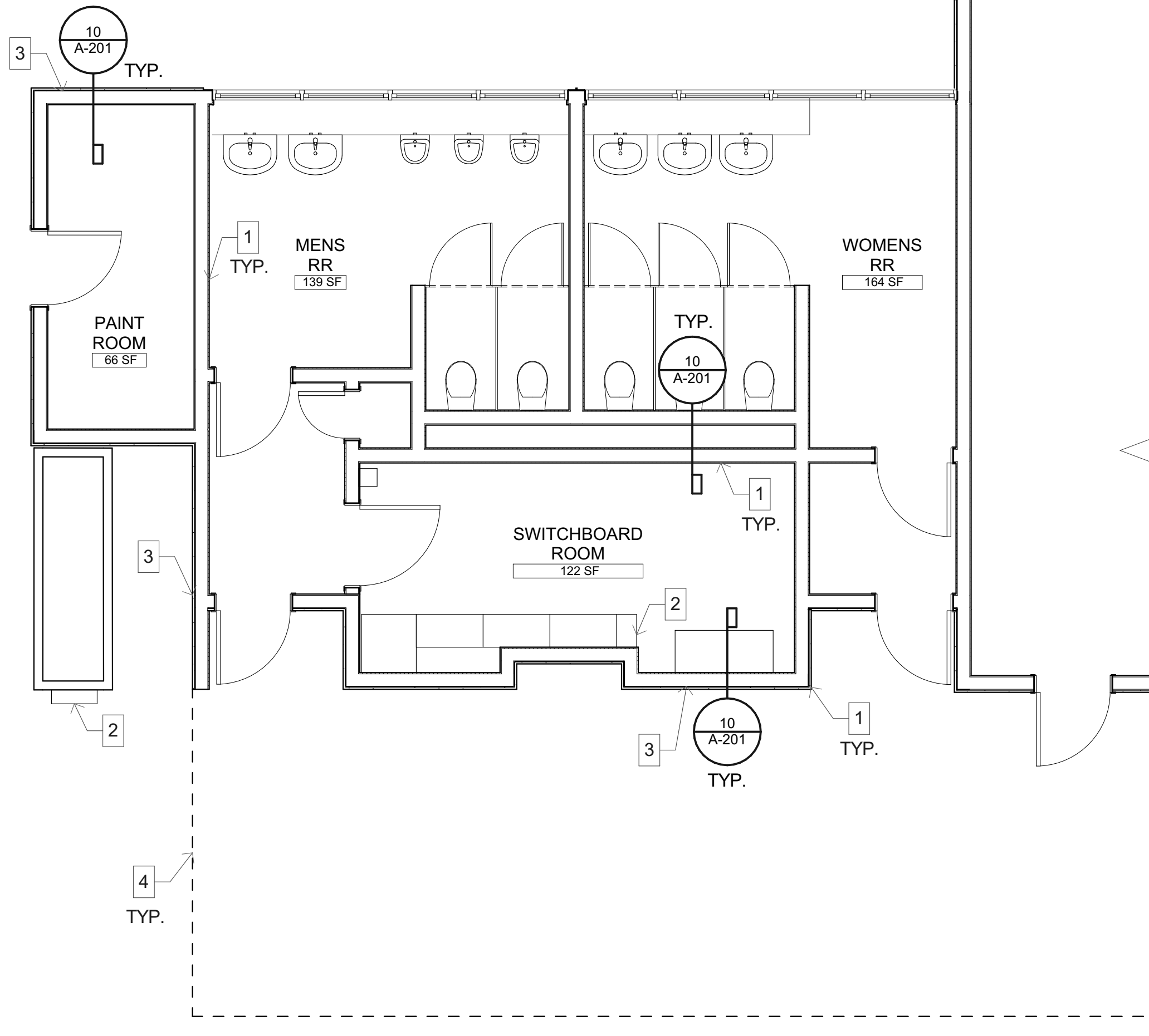


NOTE:
12" MINIMUM BETWEEN PENETRATIONS

12 PIPE PENETRATION
SCALE: 3" = 1'-0"

KEYNOTES

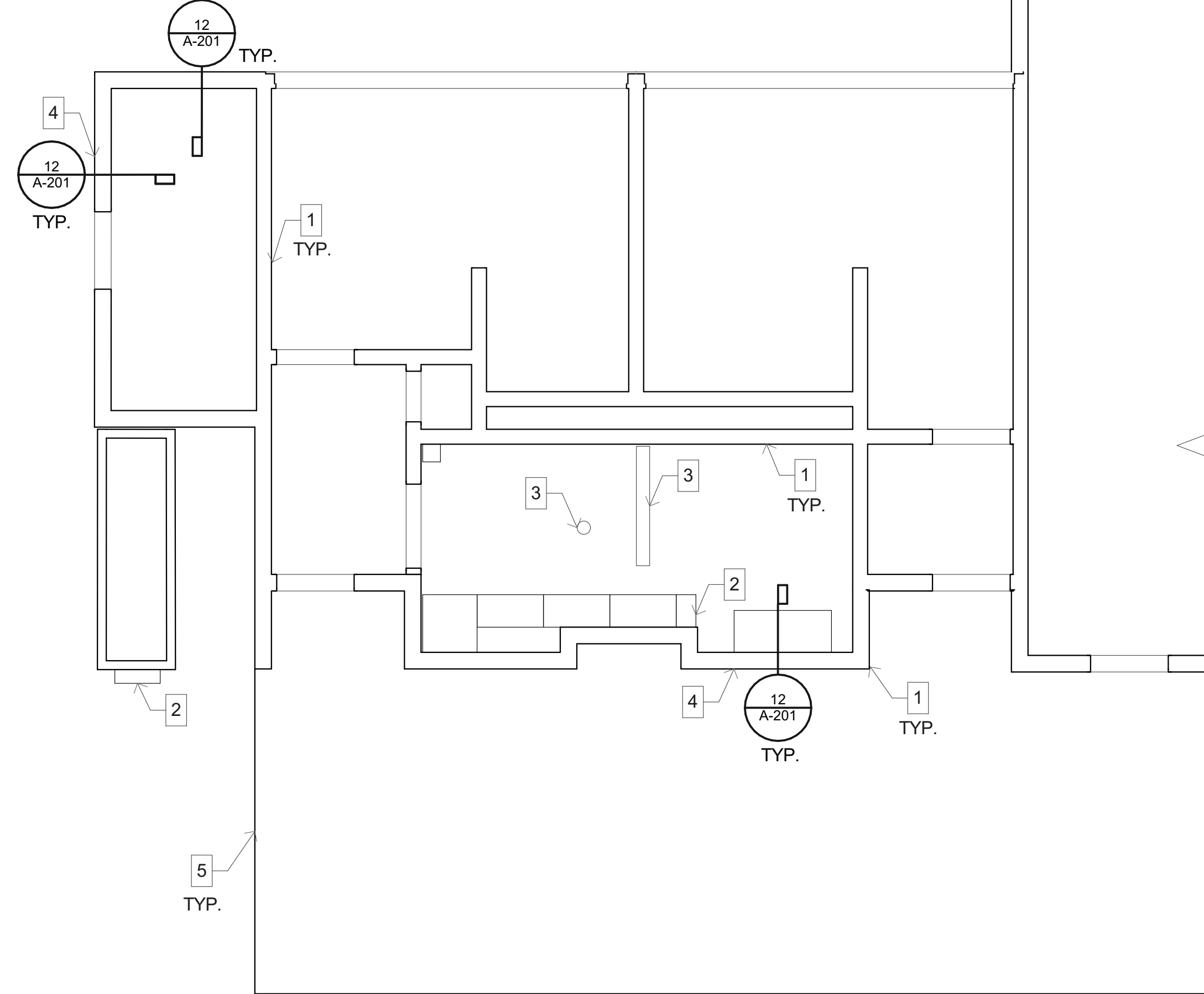
- EXISTING WALL TO REMAIN.
- EXISTING PANELBOARD. REFER TO ELECTRICAL PLANS.
- APPROXIMATE LOCATION OF WALL PENETRATIONS. REFER TO DETAIL 10/A-201.
- DASHED LINE INDICATES OVERHEAD CANOPY.



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

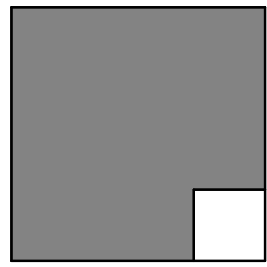
KEYNOTES

- EXISTING WALL TO REMAIN.
- EXISTING PANELBOARD.
- EXISTING LIGHT FIXTURE TO REMAIN.
- APPROXIMATE LOCATION OF ROOF PENETRATIONS PER DETAIL 12/A-201, REFER TO ELECTRICAL PLANS.
- LINE INDICATES OVERHEAD CANOPY.



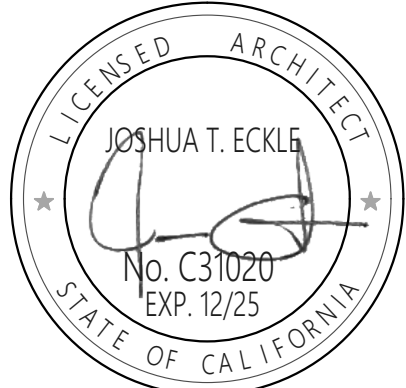
4 REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"

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VISTA UNIFIED SCHOOL DISTRICT
1234 ARCADIA AVE VISTA CA 92084

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PLOT DATE:
12/6/2024

SHEET TITLE

FLOOR PLAN, RCP, &
DETAILS

A-201

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	VOLT-AMPERES
VM	VOLTMETER
VL	VERIFY LOCATION
W	WIRE/WATTS
WP	WEATHERPROOF (NEMA TYPE 3R)
WT	WATERTIGHT
XP	EXPLOSION PROOF (RATED FOR AREA HAZARD)

ELECTRICAL SYMBOL LEGEND

POWER CONTINUED

	DUPLEX RECEPTACLE, FLOOR MOUNTED
	DUPLEX RECEPTACLE, WALL MOUNTED; 48" AFF. (U.ON.)
	RECEPTACLE, WALL MOUNTED HORIZONTALLY; 48" AFF. (U.ON.)
	FOURPLEX RECEPTACLE, WALL MOUNTED; 48" AFF. (U.ON.)
	RECEPTACLE MOUNTED 48" ABOVE COUNTER BACKSPLASH SEE ARCHITECTURAL PLANS FOR REQUIRED MOUNTING HEIGHT 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).
	JUNCTION BOX, CEILING OR WALL MOUNTED
	FUSED DISCONNECT SWITCH, WHERE SHOWN NF = NON-FUSED.
	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

DISTRIBUTION EQUIPMENT

	DRAW OUT TYPE EQUIPMENT
	VACUUM CIRCUIT BREAKER, RATING AS NOTED.
	AIR INTERRUPTER SWITCH AND FUSE
	AIR INTERRUPTER
	FUSE
	POWER TRANSFORMER, RATING AS NOTED
	POWER CIRCUIT BREAKER DRAWOUT
	AUTOMATIC TRANSFER SWITCH. SEE SCHEDULE
	AMMETER
	VOLTMETER
	CIRCUIT BREAKER 200AF 200A FRAME 200AT 200AMP TRIP 3P 3 POLE 10000AIC 10000 AMPS INTERRUPTING CURRENT
	FUSED SWITCH 200AS 200AMP SWITCH 200AF 200AMP FUSE 3P 3 POLE
	UTILITY COMPANY METER

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.

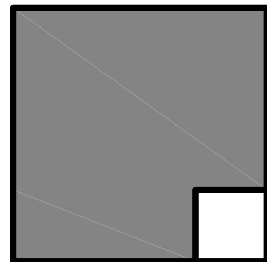
GENERAL DEMOLITION NOTES:

- ALL ELECTRICAL EQUIPMENT, EXPOSED RACEWAY AND CONDUIT, OUTLET BOXES AND RINGS, AND DEVICES ARE TO BE REMOVED, EXCEPT WHERE SHOWN TO REMAIN. EXISTING WIRING, WHETHER EXPOSED, IN CONDUIT OR RACEWAY IS TO BE REMOVED TO THE GREATEST EXTENT POSSIBLE.
- THE ELECTRICAL CONTRACTOR IS TO DIRECT THE REMOVAL OF THE ABOVE LISTED WORK.

FIRE RATED ASSEMBLIES NOTE:

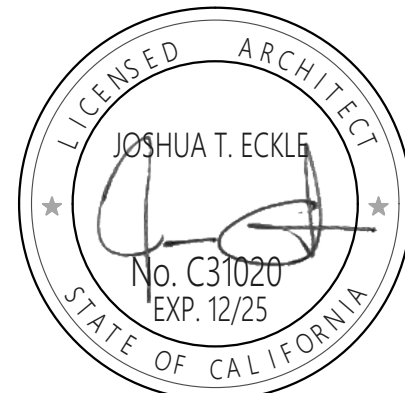
- REFER TO ARCHITECTURAL DRAWINGS FOR EXACT DESCRIPTION AND DETAIL OF ALL FIRE RATED ASSEMBLIES.

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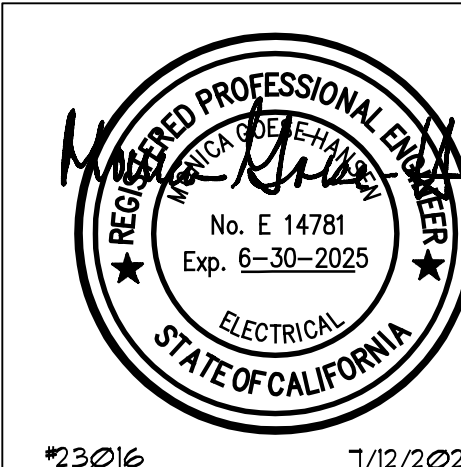
MODEL FILE:
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PLOT DATE:
4/18/2023

SHEET TITLE

ELECTRICAL LEGEND
AND NOTES

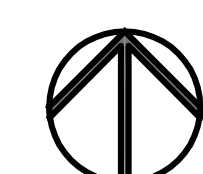
E1.0



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SCALE: 1" = 30'

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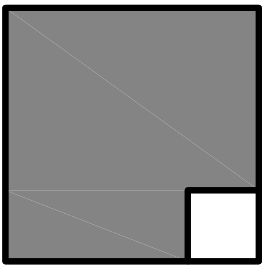
1 OVERALL SITE PLAN - POWER

SCALE: 1" = 40'



- GENERAL NOTES:**
1. SEE E3.1 ONE LINE DIAGRAM FOR ADDITIONAL POWER CONDUIT AND CONDUCTOR REQUIREMENTS.
 2. SEE E13 FOR TYPICAL ELECTRICAL SITE DETAILS.
 3. CONTRACTOR SHALL FIELD TRACE AND LOCATE ALL EXISTING CONDUITS.
 4. EXISTING CONDUITS SHALL BE CLEANED AND THOROUGHLY SWABBED OUT WITH A DRY SWAB TO REMOVE MOISTURE AND DEBRIS BEFORE CONDUCTORS ARE DRAWN INTO PLACE.

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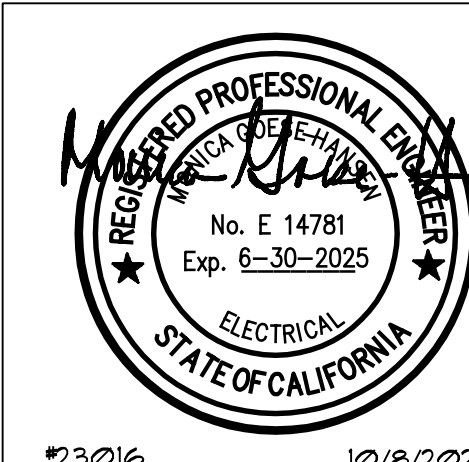
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4/18/2023

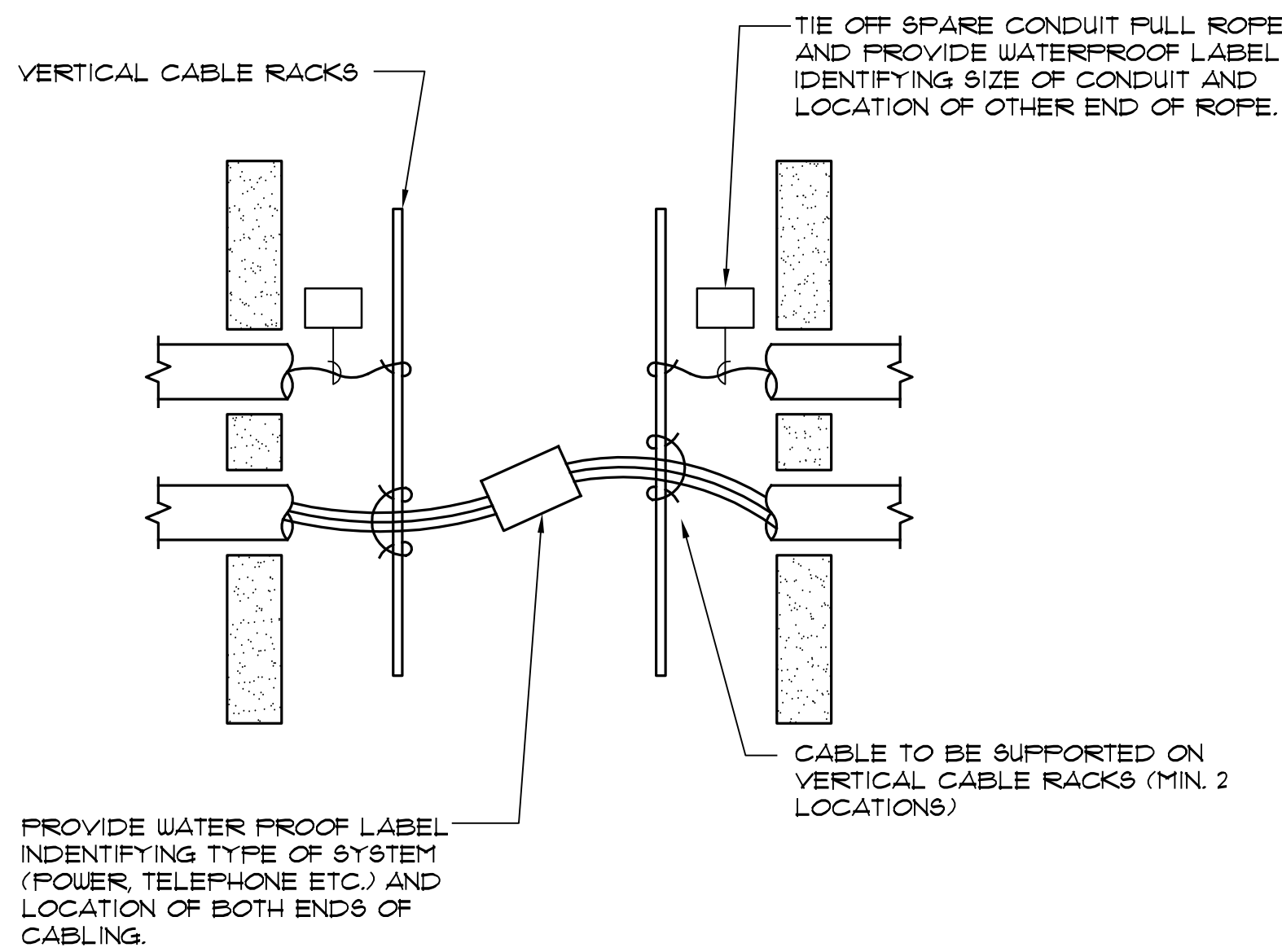
SHEET TITLE

OVERALL SITE PLAN
- POWER

E-1.2

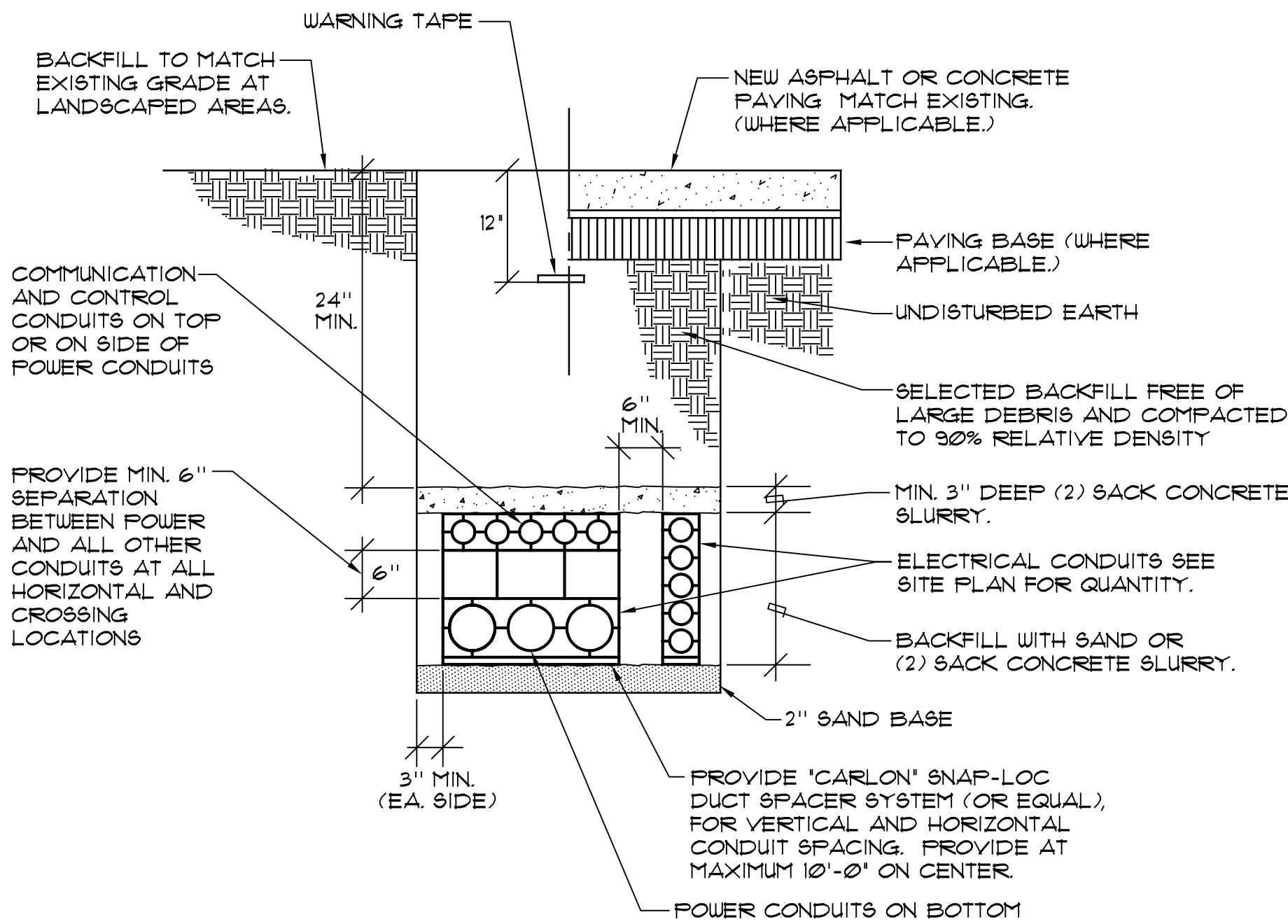


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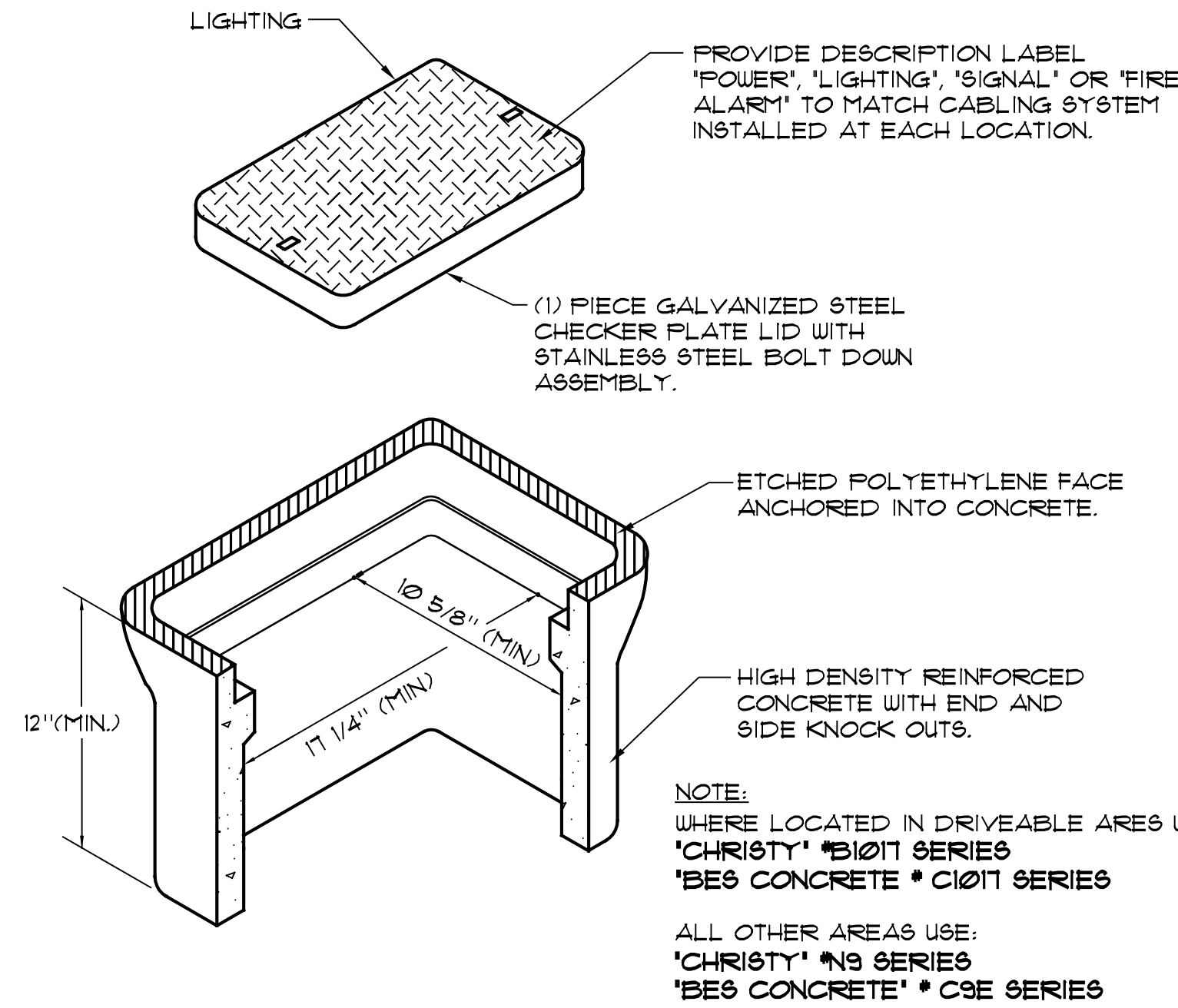
TYPICAL UNDERGROUND PULLBOX LABELING/SUPPORT DETAIL
NO SCALE

1
E1.3



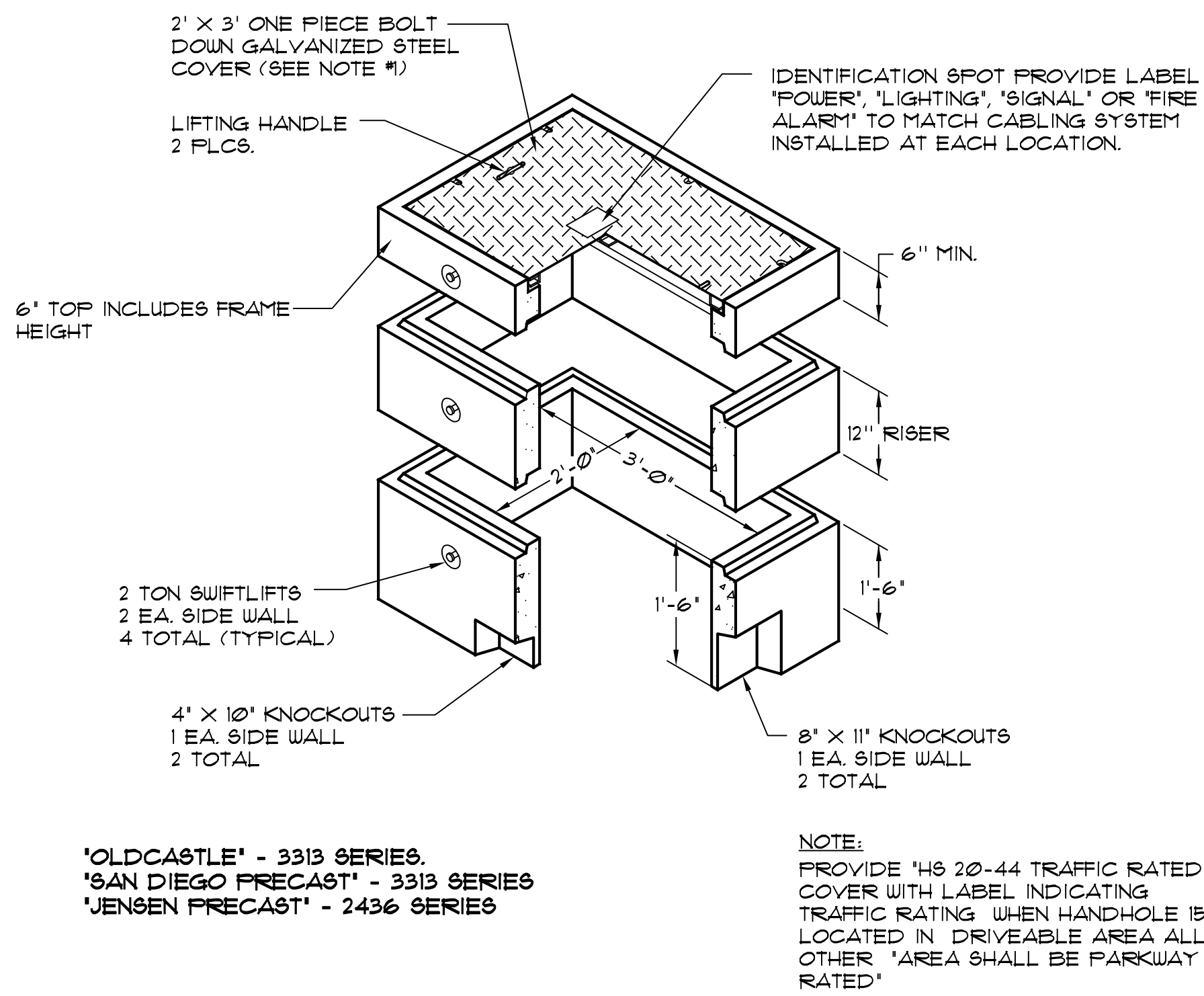
TYPICAL TRENCH DETAIL
NO SCALE

2
E1.3



UNDERGROUND PULLBOX STYLE 'A'
NO SCALE

3
E1.3

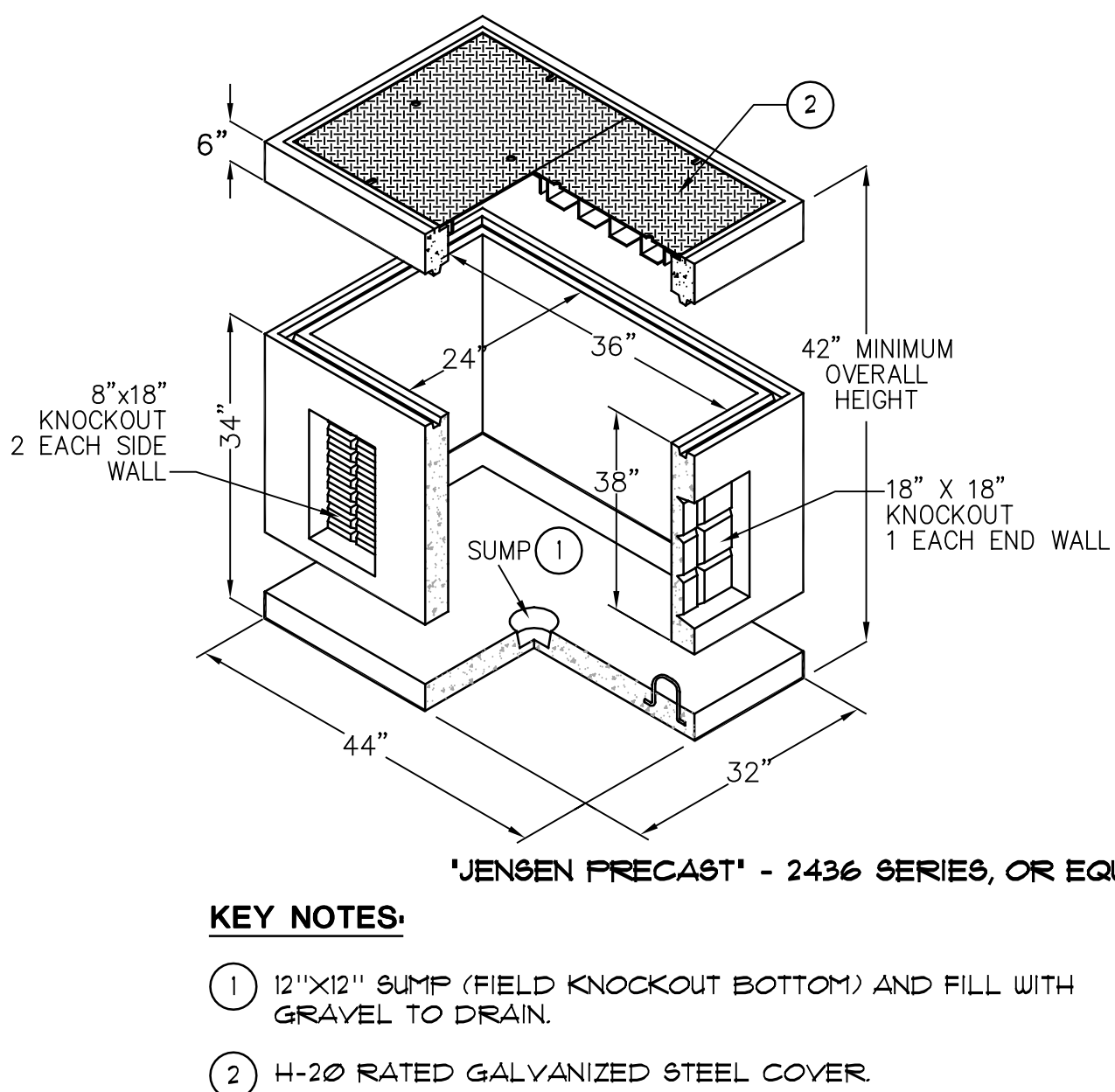


UNDERGROUND PULLBOX STYLE 'B'
NO SCALE

4
E1.3

UNDERGROUND PULLBOX
STYLE 'A' OR 'B' TYP. INSTALLATION
NO SCALE

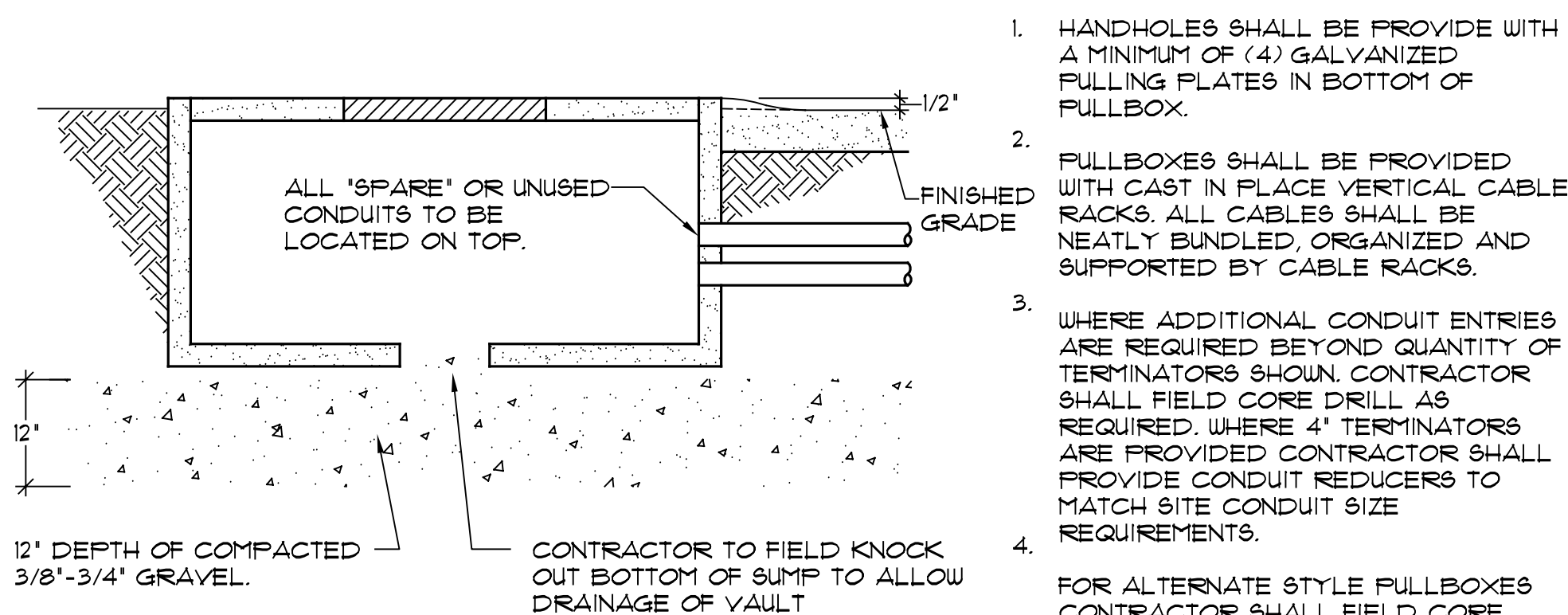
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UNDERGROUND PULLBOX STYLE 'B'
NO SCALE

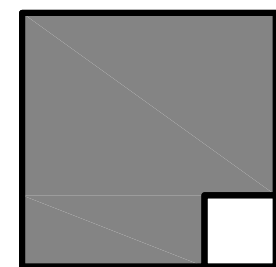
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E1.3

GENERAL INSTALLATION REQUIREMENTS:



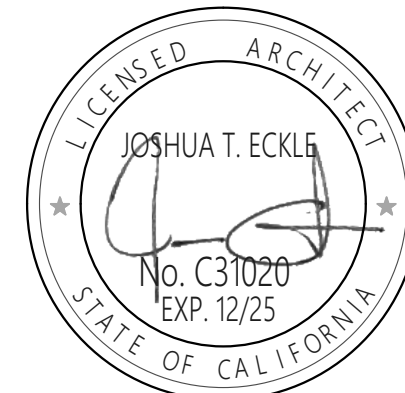
- HANDHOLES SHALL BE PROVIDED WITH A MINIMUM OF (4) GALVANIZED PULLING PLATES IN BOTTOM OF PULLBOX.
- PULLBOXES SHALL BE PROVIDED WITH CAST IN PLACE VERTICAL CABLE RACKS. ALL CABLES SHALL BE NEATLY BUNDLED, ORGANIZED AND SUPPORTED BY CABLE RACKS.
- WHERE ADDITIONAL CONDUIT ENTRIES ARE REQUIRED BEYOND QUANTITY OF TERMINATORS SHOWN, CONTRACTOR SHALL FIELD CORE DRILL AS REQUIRED. WHERE 4" TERMINATORS ARE PROVIDED CONTRACTOR SHALL PROVIDE CONDUIT REDUCERS TO MATCH SITE CONDUIT SIZE REQUIREMENTS.
- FOR ALTERNATE STYLE PULLBOXES CONTRACTOR SHALL FIELD CORE DRILL ALL CONDUIT ENTRIES 2" DIA AND SMALLER.

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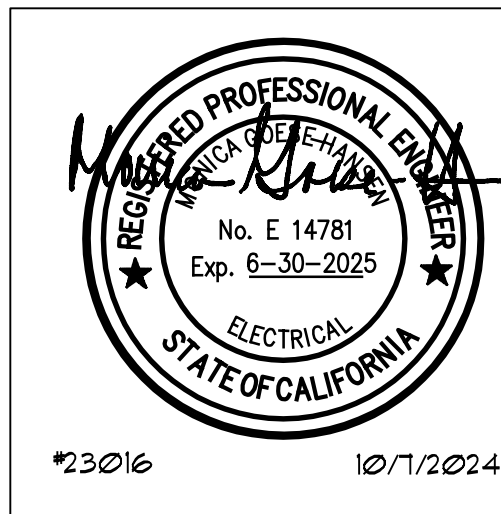
PROJECT NO: 23-016
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SHEET TITLE

TYPICAL SITE DETAILS

E-1.3



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1 POWER FLOOR PLAN - BLDG 700 & 800

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

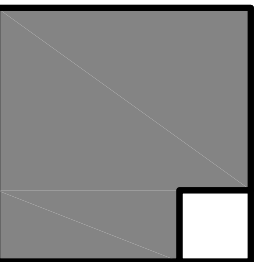
GENERAL NOTES:

1. REFERENCE E3.1 ONE LINE DIAGRAM FOR ADDITIONAL CONDUIT AND CONDUCTOR REQUIREMENTS.
2. REFERENCE E3 SHEETS FOR TYPICAL CONDUIT AND BACKBOX INSTALLATION DETAILS.
3. NUMBERS ADJACENT TO EACH POWER DEVICE INDICATES THE CIRCUIT NUMBER TO WHICH THE DEVICE IS TO BE CONNECTED.
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 POWER DEVICE TO THEIR INDICATED CIRCUIT (U.O.N.).
6. FIELD VERIFY EXACT ROUTING LOCATION FOR CONCEALED CONDUITS AND RECEPTACLES PRIOR TO ROUGH-IN.
7. EXISTING CONDUITS SHALL BE CLEANED AND THOROUGHLY SWABBED OUT WITH A DRY SWAB TO REMOVE MOISTURE AND DEBRIS BEFORE CONDUCTORS ARE DRAWN INTO PLACE.

KEY NOTES:

1. EXISTING PANEL SHALL BE CONVERTED TO A FULL BOX. ALL EXISTING PANEL ASSEMBLY EXCEPT FOR THE ENCLOSURE AND COVER SHALL BE COMPLETELY REMOVED. PROVIDE NEW GROUND BAR ASSEMBLY. ALL INCOMING NEW GROUNDING CONDUCTORS SHALL BE LANDED ON GROUND BAR ASSEMBLY.
2. ALL EXISTING CIRCUITS SHALL BE EXTENDED TO NEW PANEL.
3. FIELD VERIFY EXACT LOCATION PRIOR TO ROUGH-IN.
4. INSTALL NEW PANEL IN SAME LOCATION AS EXISTING PANEL BEING REMOVED. EXTEND EXISTING BRANCH CIRCUITS TO NEW PANEL AND BREAKERS AS REQUIRED. EXTEND EXISTING FEEDER CONDUIT TO NEW PANEL AND PROVIDE NEW FEEDER PER ONE LINE DIAGRAM.
5. 2 #2 (HOT), 1 #10 (NEUTRAL), 1 #2 (GND), 3/4" C.
6. 3 #2 (HOT), 1 #10 (NEUTRAL), 1 #2 (GND), 3/4" C.
7. 4 #2 (HOT), 2 #10 (NEUTRAL), 1 #2 (GND), 3/4" C.
8. (2) SETS: 3/4" C. 2 #2 (HOT), 1 #10 (NEUTRAL), 1 #2 (GND).
9. (2) SETS: 3/4" C. 3 #2 (HOT), 1 #10 (NEUTRAL), 1 #2 (GND).
10. (2) SETS: 3/4" C. 4 #2 (HOT), 2 #10 (NEUTRAL), 1 #2 (GND).
11. (3) SETS OF: 3/4" C. 3 #2 (HOT), 1 #10 (NEUTRAL), 1 #2 (GND).
12. PROVIDE NEMA 3R WIRING GUTTER ABOVE PANEL TO INTERCEPT EXISTING CONDUITS AND CONDUCTOR. ROUTE NEW CONDUITS AND CONDUCTORS VIA THE WIRING GUTTER AS REQUIRED. FIELD VERIFY EXACT SIZE OF WIRING GUTTER.
13. CONDUITS SHALL BE MOUNTED TO BOTTOM OF EXISTING OVERHEAD CANOPY.
14. CONDUITS SHALL BE MOUNTED TO EXISTING WALL.

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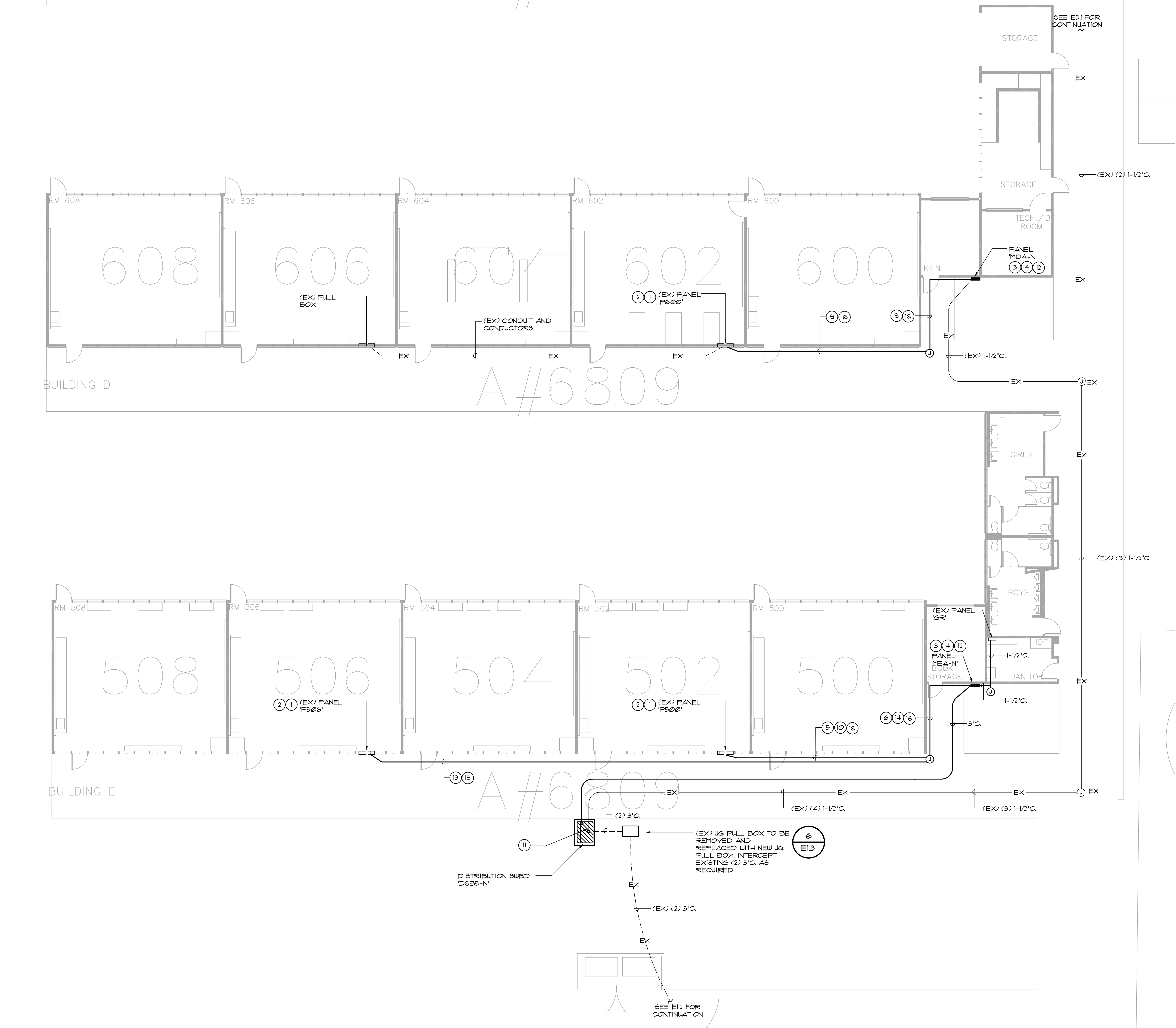
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POWER FLOOR PLAN
- BLDG 700 & 800

E-3.1



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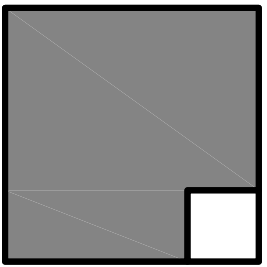
GENERAL NOTES:

1. REFERENCE E3.1 ONE LINE DIAGRAM FOR ADDITIONAL CONDUIT AND CONDUCTOR REQUIREMENTS.
2. REFERENCE E3 SHEETS FOR TYPICAL CONDUIT AND BACKBOX INSTALLATION DETAILS.
3. NUMBERS ADJACENT TO EACH POWER DEVICE INDICATES THE CIRCUIT NUMBER TO WHICH THE DEVICE IS TO BE CONNECTED.
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 POWER DEVICE TO THEIR INDICATED CIRCUIT (U.O.N.).
6. FIELD VERIFY EXACT ROUTING LOCATION FOR CONCEALED CONDUITS AND RECEPTACLES PRIOR TO ROUGH-IN.
7. EXISTING CONDUITS SHALL BE CLEANED AND THOROUGHLY SWABBED OUT WITH A DRY SWAB TO REMOVE MOISTURE AND DEBRIS BEFORE CONDUCTORS ARE DRAWN INTO PLACE.

KEY NOTES:

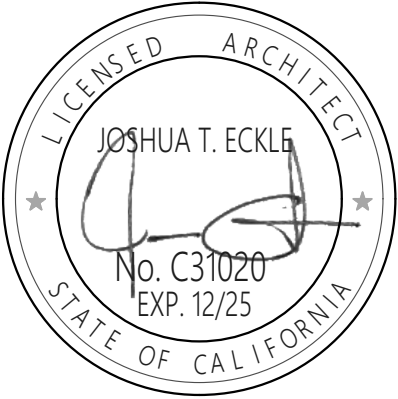
1. EXISTING PANEL SHALL BE CONVERTED TO A FULL BOX. ALL EXISTING PANEL ASSEMBLY EXCEPT FOR THE ENCLOSURE AND COVER SHALL BE COMPLETELY REMOVED. ALL INCOMING NEW GROUNDING CONDUCTORS SHALL BE LANDED ON GROUND BAR ASSEMBLY.
2. ALL EXISTING CIRCUITS SHALL BE EXTENDED TO NEW PANEL.
3. FIELD VERIFY EXACT LOCATION PRIOR TO ROUGH-IN.
4. INSTALL NEW PANEL IN SAME LOCATION AS EXISTING PANEL BEING REMOVED. EXTEND EXISTING BRANCH CIRCUITS TO NEW PANEL AND BREAKERS AS REQUIRED. EXTEND EXISTING FEEDER CONDUIT TO NEW PANEL AND PROVIDE NEW FEEDER PER ONE LINE DIAGRAM.
5. 2 #2 (HOT), 1 #10 (NEUTRAL), 1 #2 (GND), 3/4" C.
6. 3 #2 (HOT), 1 #10 (NEUTRAL), 1 #2 (GND), 3/4" C.
7. 4 #2 (HOT), 2 #10 (NEUTRAL), 1 #2 (GND), 3/4" C.
8. (2) SETS: 3/4" C. 2 #2 (HOT), 1 #10 (NEUTRAL), 1 #2 (GND).
9. (2) SETS: 3/4" C. 3 #2 (HOT), 1 #10 (NEUTRAL), 1 #2 (GND).
10. (2) SETS: 3/4" C. 4 #2 (HOT), 2 #10 (NEUTRAL), 1 #2 (GND).
11. INTERCEPT EXISTING CONDUITS ABOVE EXISTING SWITCHBOARD AND EXTEND TO NEW SWITCHBOARD.
12. PROVIDE NEMA 3R WIRING GUTTER ABOVE PANEL TO INTERCEPT EXISTING CONDUITS AND CONDUCTOR. ROUTE NEW CONDUITS AND CONDUCTORS VIA THE WIRING GUTTER AS REQUIRED. FIELD VERIFY EXACT SIZE OF WIRING GUTTER.
13. (3) SETS OF: 3/4" C. 3 #2 (HOT), 1 #10 (NEUTRAL), 1 #2 (GND).
14. (4) SETS: 3/4" C. 4 #2 (HOT), 2 #10 (NEUTRAL), 1 #2 (GND).
15. CONDUITS SHALL BE MOUNTED TO BOTTOM OF EXISTING OVERHEAD CANOPY.
16. CONDUITS SHALL BE MOUNTED TO EXISTING WALL.

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PROJECT NO: 23-016

MODEL FILE:
23-016 VAPA SWITCHGEAR_DRAFT_23-04-05.pln

PLOT DATE:
4/18/2023

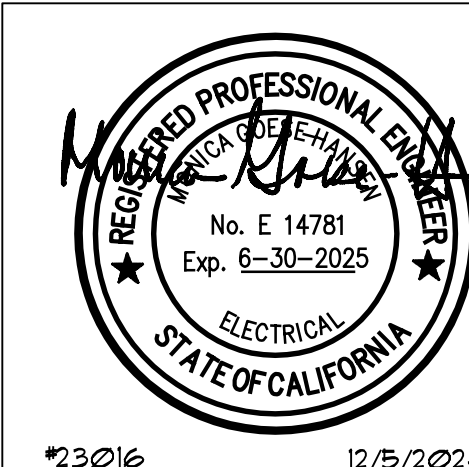
SHEET TITLE

POWER FLOOR PLAN
- BLDG 500 & 600

E-3.2

1 POWER FLOOR PLAN - BLDG 500 & 600

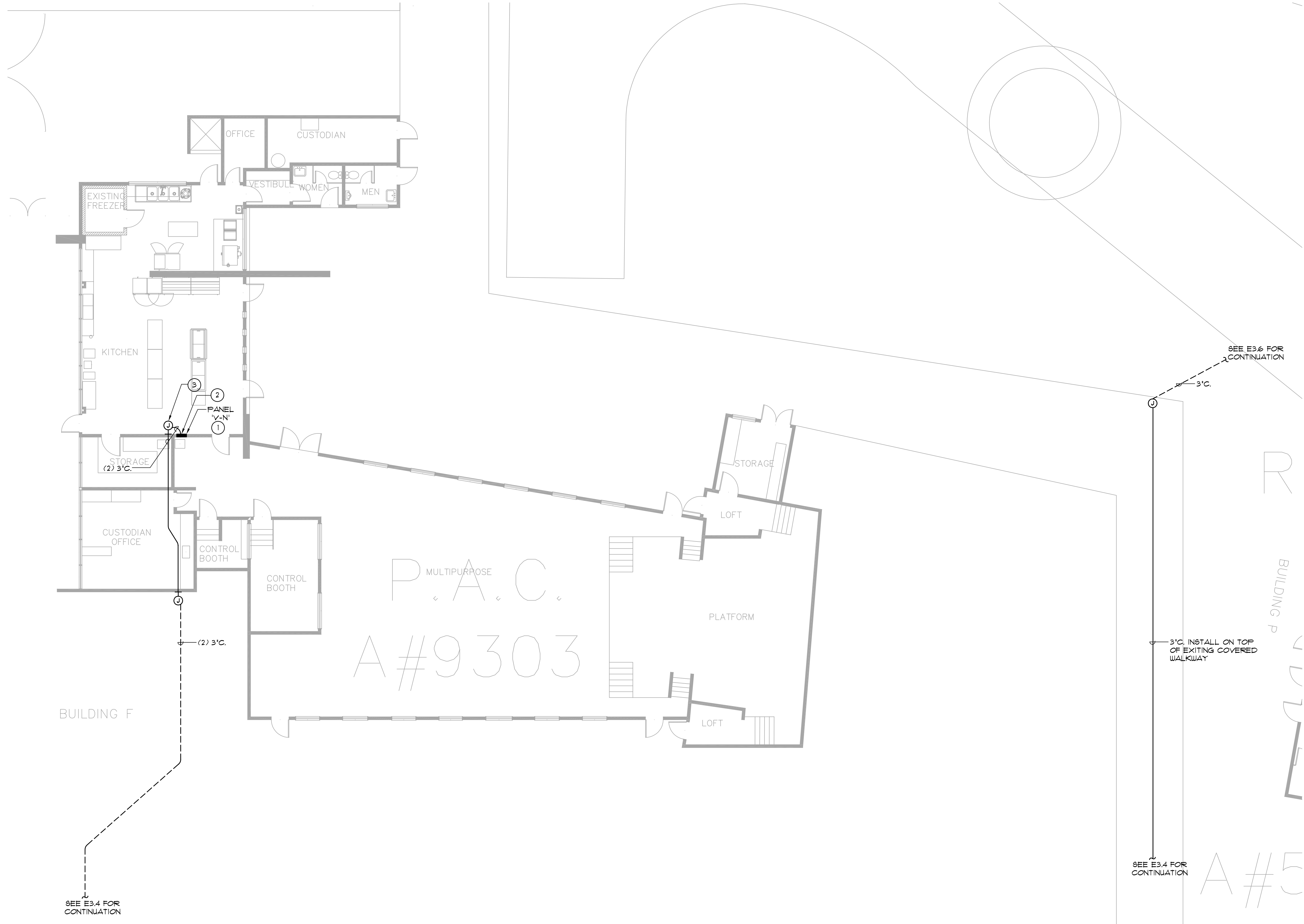
SCALE: 1/8" = 1'-0"



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1 POWER FLOOR PLAN - BLDG MPR
SCALE: 1/8" = 1'-0"

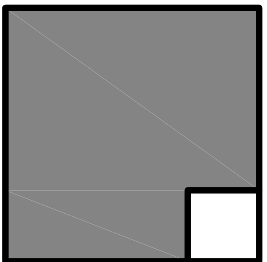
GENERAL NOTES:

1. REFERENCE E3.1 ONE LINE DIAGRAM FOR ADDITIONAL CONDUIT AND CONDUCTOR REQUIREMENTS.
2. REFERENCE E3 SHEETS FOR TYPICAL CONDUIT AND BACKBOX INSTALLATION DETAILS.
3. NUMBERS ADJACENT TO EACH POWER DEVICE INDICATES THE CIRCUIT NUMBER TO WHICH THE DEVICE IS TO BE CONNECTED.
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 POWER DEVICE TO THEIR INDICATED CIRCUIT (U.O.N.).
6. FIELD VERIFY EXACT ROUTING LOCATION FOR CONCEALED CONDUITS AND RECEPTACLES PRIOR TO ROUGH-IN.
7. EXISTING CONDUITS SHALL BE CLEANED AND THOROUGHLY SWABBED OUT WITH A DRY SWAB TO REMOVE MOISTURE AND DEBRIS BEFORE CONDUCTORS ARE DRAWN INTO PLACE.

KEY NOTES:

1. INSTALL NEW PANEL IN SAME LOCATION AS EXISTING PANEL BEING REMOVED. EXTEND EXISTING BRANCH CIRCUITS TO NEW PANEL AND BREAKERS AS REQUIRED. EXTEND EXISTING FEEDER CONDUIT TO NEW PANEL AND PROVIDE NEW FEEDER PER ONE LINE DIAGRAM.
2. CUT, PATCH AND REPAIR WALL AS REQUIRED.
3. INSTALL JUNCTION BOX ABOVE PANEL.

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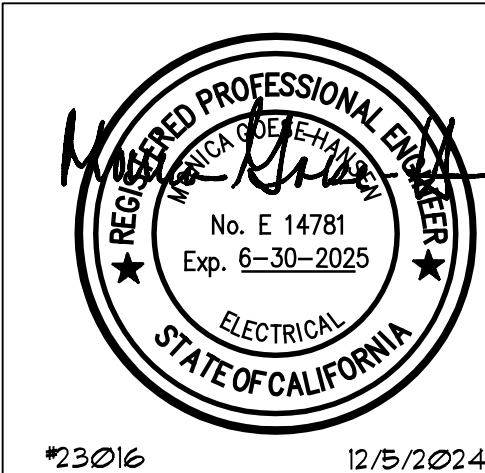
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PLOT DATE:
4/18/2023

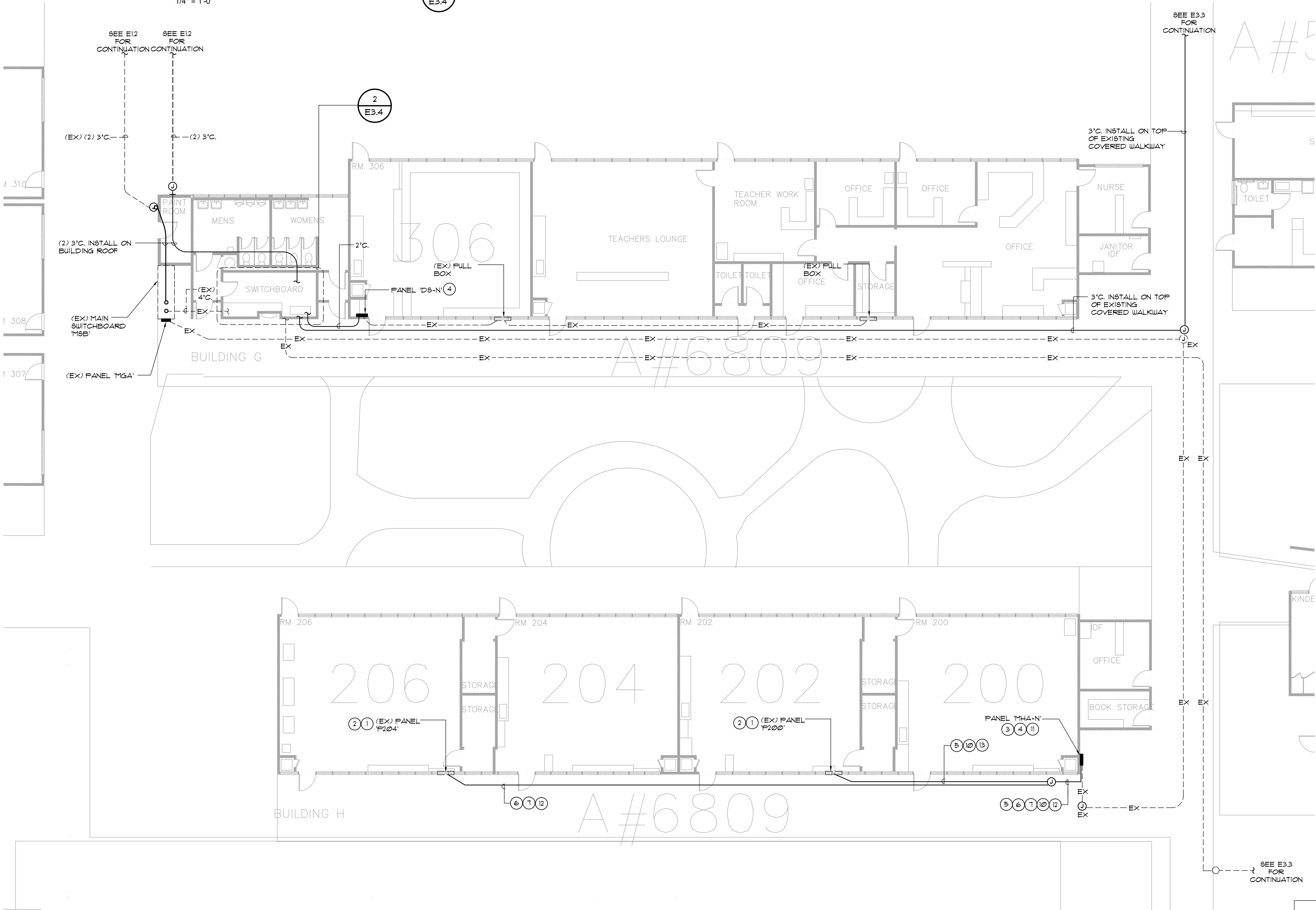
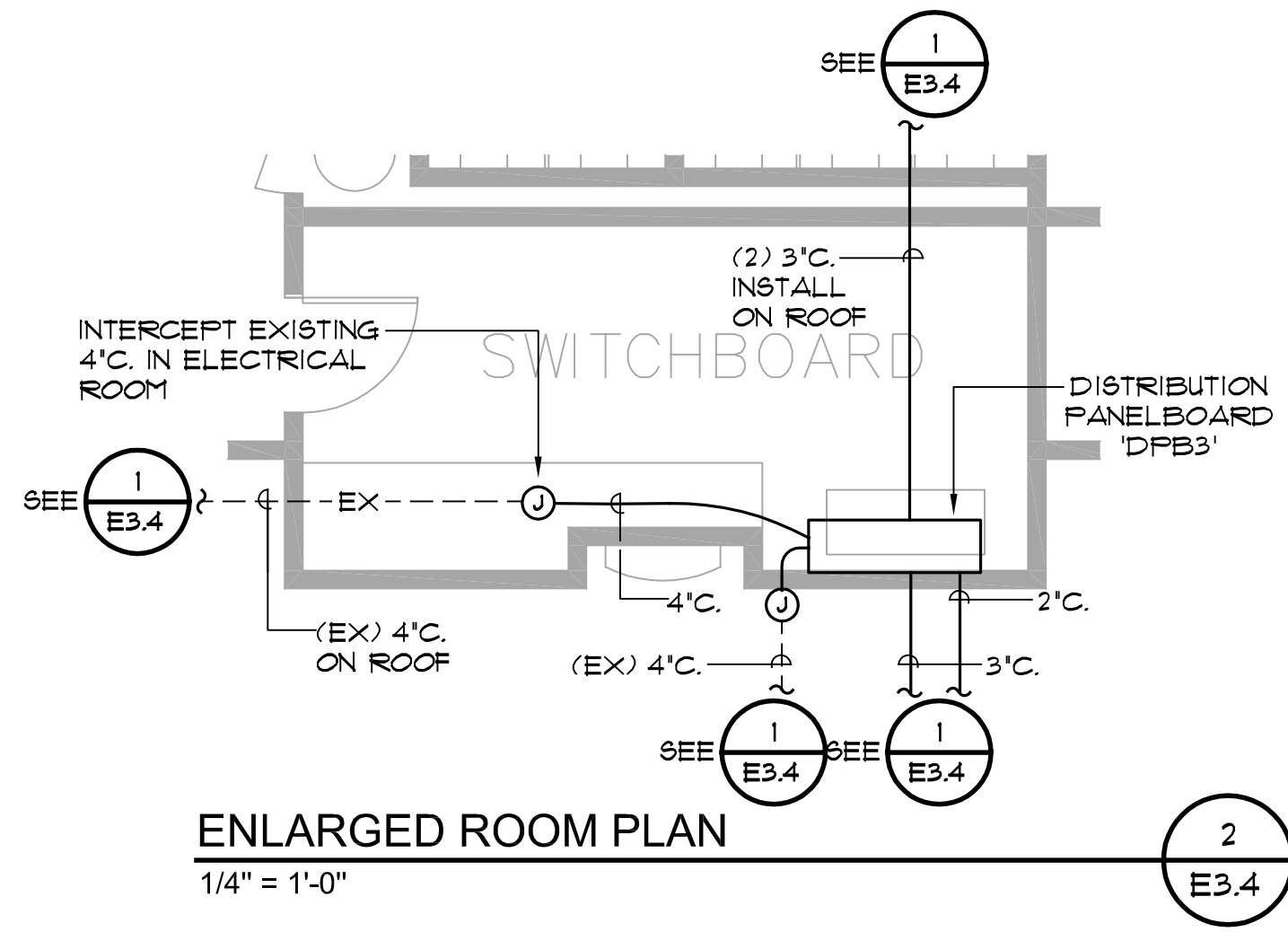
SHEET TITLE

POWER FLOOR PLAN
- BLDG MPR

E-3.3



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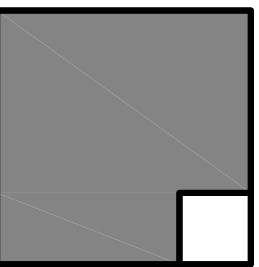
GENERAL NOTES:

1. REFERENCE E3.1 ONE LINE DIAGRAM FOR ADDITIONAL CONDUIT AND CONDUCTOR REQUIREMENTS.
2. REFERENCE E3 SHEETS FOR TYPICAL CONDUIT AND BACKBOX INSTALLATION DETAILS.
3. NUMBERS ADJACENT TO EACH POWER DEVICE INDICATES THE CIRCUIT NUMBER TO WHICH THE DEVICE IS TO BE CONNECTED.
4. CIRCUIT HOMERUNS ARE INDICATED TO SHOW THE LOCATION AND NUMBER OF CIRCUITS TO BE GROUPED TOGETHER.
5. PROVIDE MINIMUM 3/4" CONDUIT AND #12 CIRCUIT CONDUCTORS AS REQUIRED TO CONNECT EACH POWER DEVICE TO THEIR INDICATED CIRCUIT (U.O.N.).
6. FIELD VERIFY EXACT ROUTING LOCATION FOR CONCEALED CONDUITS AND RECEPTACLES PRIOR TO ROUGH-IN.
7. EXISTING CONDUITS SHALL BE CLEANED AND THOROUGHLY SWABBED OUT WITH A DRY SWAB TO REMOVE MOISTURE AND DEBRIS BEFORE CONDUCTORS ARE DRAWN INTO PLACE.

KEY NOTES:

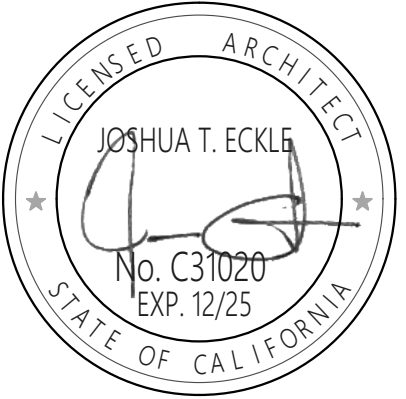
1. EXISTING PANEL SHALL BE CONVERTED TO A PULL BOX. ALL EXISTING PANEL ASSEMBLY EXCEPT FOR THE ENCLOSURE AND COVER SHALL BE COMPLETELY REMOVED. PROVIDE NEW GROUND BAR ASSEMBLY. ALL INCOMING NEW GROUNDING CONDUCTORS SHALL BE LANDED ON GROUND BAR ASSEMBLY.
2. ALL EXISTING CIRCUITS SHALL BE EXTENDED TO NEW PANEL.
3. FIELD VERIFY EXACT LOCATION PRIOR TO ROUGH-IN.
4. INSTALL NEW PANEL IN SAME LOCATION AS EXISTING PANEL BEING REMOVED. EXTEND EXISTING BRANCH CIRCUITS TO NEW PANEL AND BREAKERS AS REQUIRED. EXTEND EXISTING FEEDER CONDUIT TO NEW PANEL AND PROVIDE NEW FEEDER PER ONE LINE DIAGRAM.
5. 2 #2 (HOT), 1 #10 (NEUTRAL), 1 #12 (GND), 3/4" C.
6. 3 #2 (HOT), 1 #10 (NEUTRAL), 1 #12 (GND), 3/4" C.
7. 4 #2 (HOT), 2 #10 (NEUTRAL), 1 #12 (GND), 3/4" C.
8. (2) SETS: 3/4" C. 2 #2 (HOT), 1 #10 (NEUTRAL), 1 #12 (GND).
9. (2) SETS: 3/4" C. 3 #2 (HOT), 1 #10 (NEUTRAL), 1 #12 (GND).
10. (2) SETS: 3/4" C. 4 #2 (HOT), 2 #10 (NEUTRAL), 1 #12 (GND).
11. PROVIDE NEMA 3R WIRING GUTTER ABOVE PANEL TO INTERCEPT EXISTING CONDUITS AND CONDUCTOR AND EXTEND TO EXISTING BREAKERS. ROUTE NEW CONDUITS AND CONDUCTORS VIA THE WIRING GUTTER AS REQUIRED. FIELD VERIFY EXACT SIZE OF WIRING GUTTER.
12. CONDUITS SHALL BE MOUNTED TO BOTTOM OF EXISTING OVERHEAD CANOPY.
13. CONDUITS SHALL BE MOUNTED TO EXISTING WALL.

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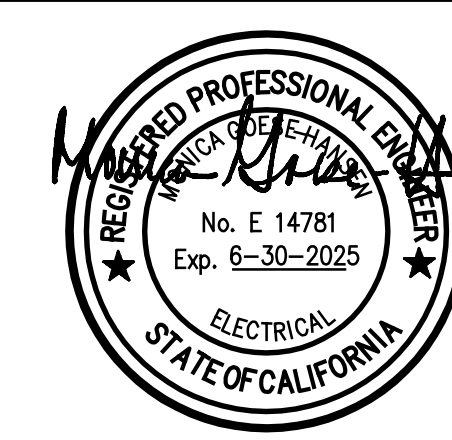
PROJECT NO: 23-016
MODEL FILE:
23-016 VAPA SWITCHGEAR_DRAFT_23-04-05.pjn

PLOT DATE:
4/18/2023

SHEET TITLE

POWER FLOOR PLAN
- BLDG 200 & 300

E-3.4



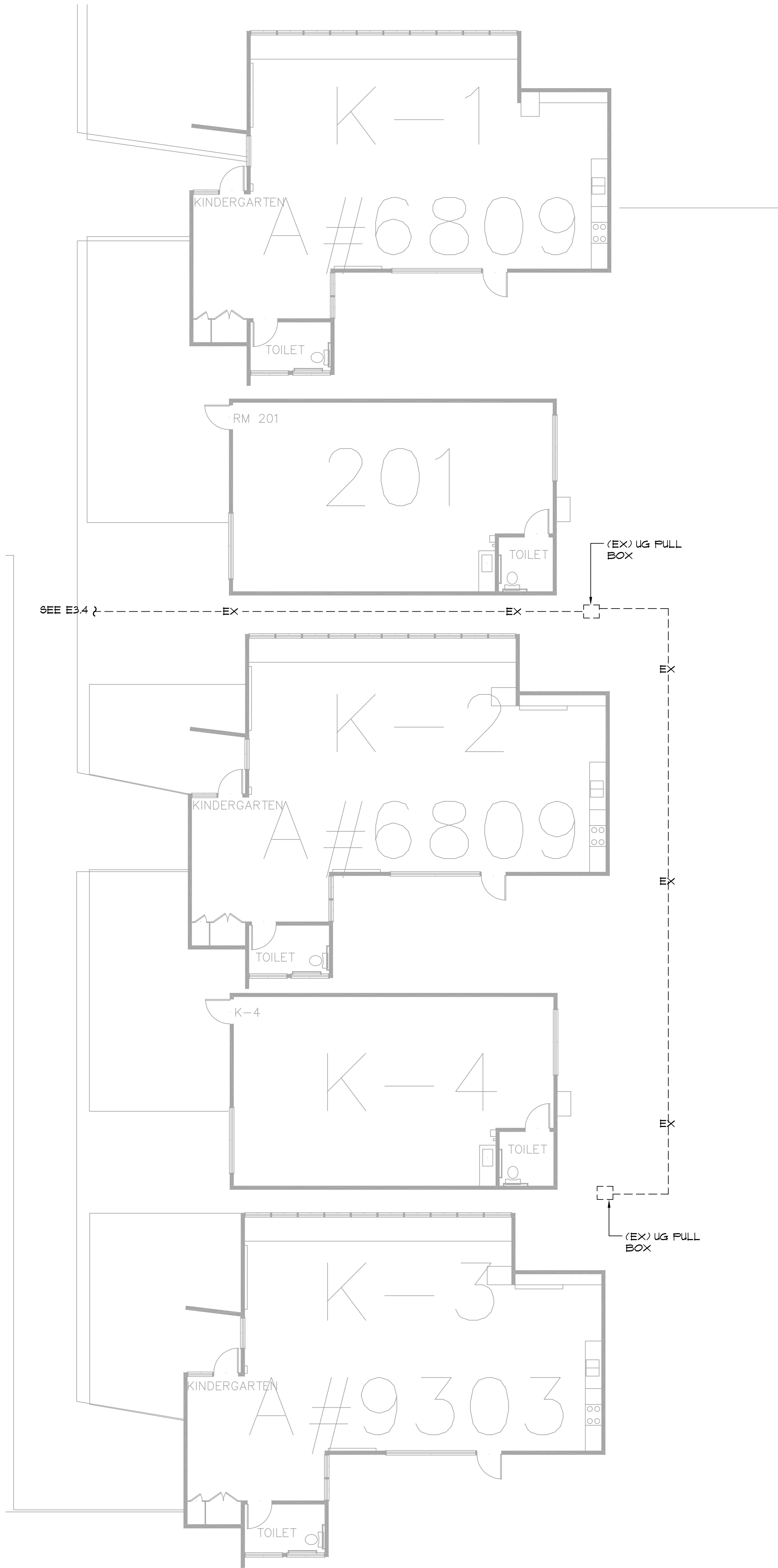
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POWER FLOOR PLAN - BLDG 200 & 300

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

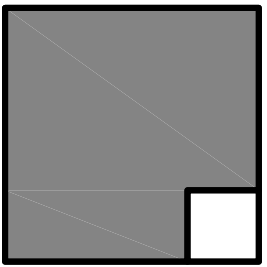
1 POWER FLOOR PLAN - BLDG 201 & K4

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



FOR REFERENCE ONLY.
NOT IN SCOPE.

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PROJECT NO: 23-016

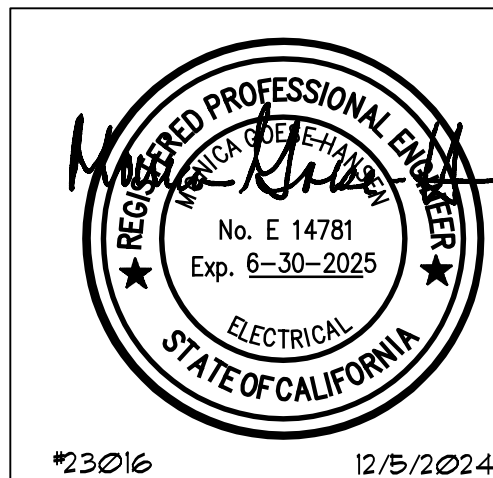
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PLOT DATE:
4/18/2023

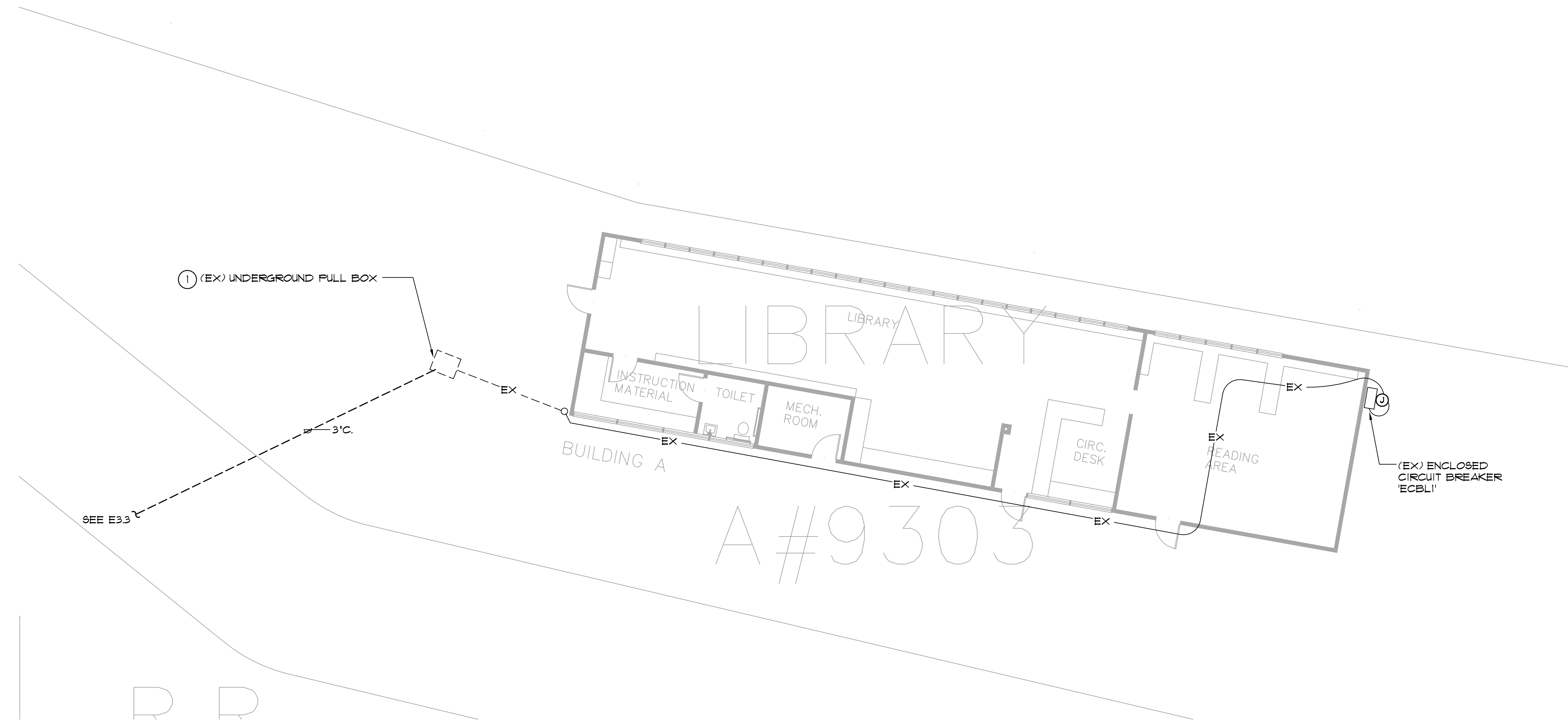
SHEET TITLE

POWER FLOOR PLAN
- BLDG 201 & K4

E-3.5



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1 POWER FLOOR PLAN - BLDG LIBRARY

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

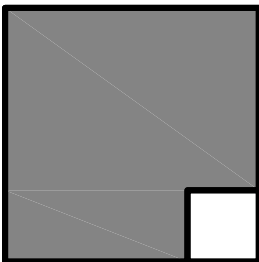
GENERAL NOTES:

1. REFERENCE ARCHITECTURAL INTERIOR ELEVATIONS FOR EXACT LOCATION OF ALL WALL MOUNTED POWER DEVICES WHERE INDICATED AT MOUNTING HEIGHTS OTHER THAN 48".
2. REFERENCE SHEET E6 SERIES SHEETS FOR MECHANICAL EQUIPMENT SCHEDULE.
3. REFERENCE E3 AND E8 SERIES SHEETS FOR TYPICAL CONDUIT AND BACKBOX INSTALLATION DETAILS.
4. NUMBERS ADJACENT TO EACH POWER DEVICE INDICATES THE CIRCUIT NUMBER TO WHICH THE DEVICE IS TO BE CONNECTED.
5. CIRCUIT HOMERUNS ARE INDICATED TO SHOW THE LOCATION AND NUMBER OF CIRCUITS TO BE GROUPED TOGETHER.
6. PROVIDE MINIMUM 3/4" CONDUIT AND #2 CIRCUIT CONDUCTORS AS REQUIRED TO CONNECT EACH POWER DEVICE TO THEIR INDICATED CIRCUIT (UON).
7. FIELD VERIFY EXACT ROUTING LOCATION FOR CONCEALED CONDUITS AND RECEPTACLES PRIOR TO ROUGH-IN.

KEY NOTES:

- 1 PROVIDE UNDERGROUND SPlice TO CONNECT EXISTING FEEDER TO NEW FEEDER.

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PROJECT NO: 23-016

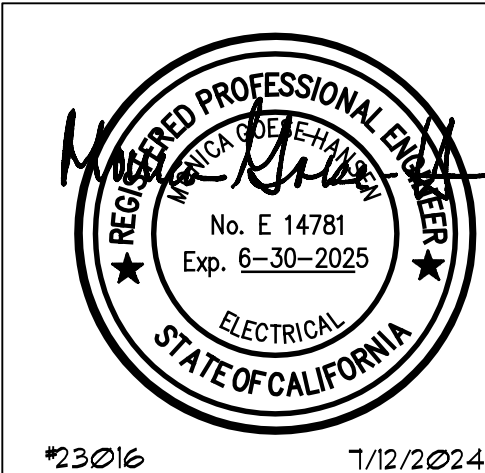
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23-016 VAPA SWITCHGEAR_DRAFT_23-04-05.pln

PLOT DATE:
4/18/2023

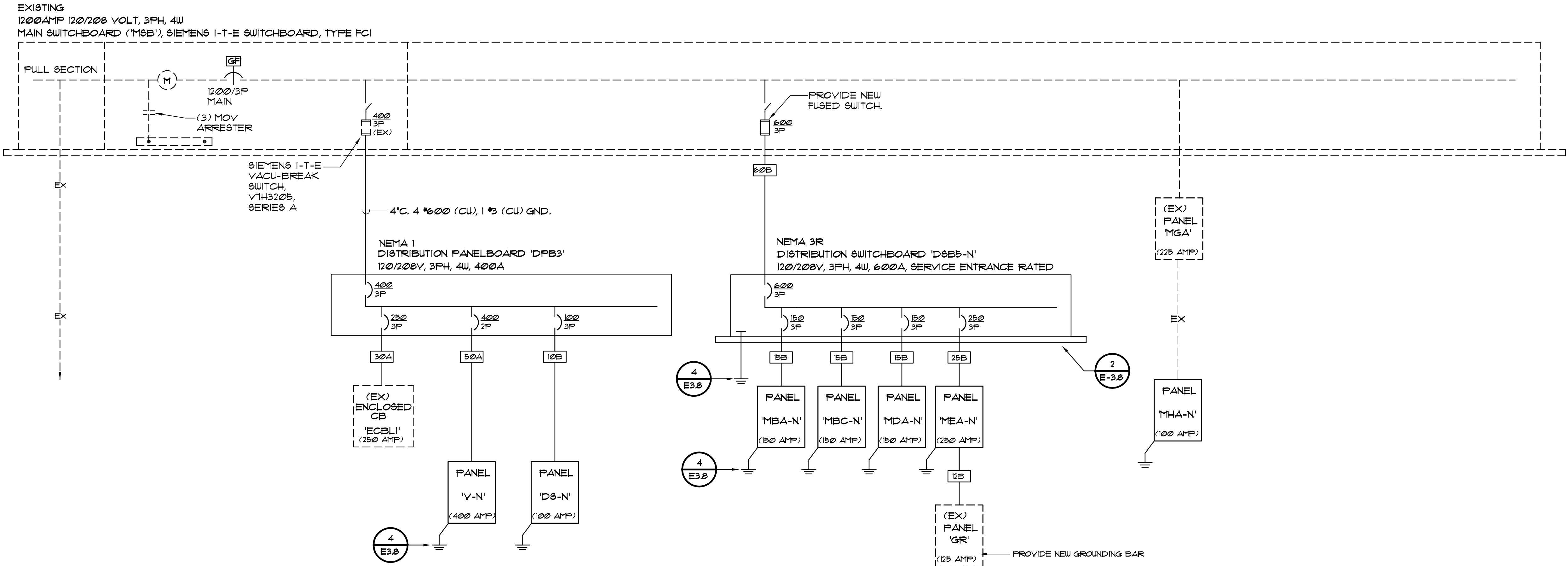
SHEET TITLE

POWER FLOOR PLAN
- BLDG LIBRARY

E-3.6



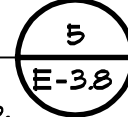
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ELECTRICAL ONE-LINE DIAGRAM
NO SCALE

GENERAL NOTES:

- A FAULT CURRENT AND TIME CURRENT STUDY MUST BE PROVIDED AS DESCRIBED IN THE SPECIFICATIONS PRIOR TO FINAL APPROVAL OF THE POWER EQUIPMENT.
- REFERENCE DETAIL
FOR ALL EQUIPMENT
FAULT CURRENT RATINGS.
- UNLESS WHERE OTHERWISE NOTED, ALL WORK INDICATED ON THESE DRAWINGS SHALL BE CONSIDERED NEW WORK.
- ALL ELECTRICAL GEAR AND EQUIPMENT SHOWN ON ONE-LINE DIAGRAM SHALL BE NEMA 3R UNLESS OTHERWISE NOTED.

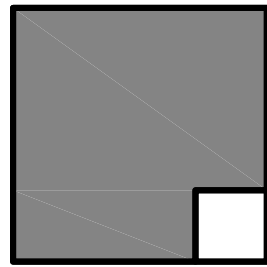


600V FEEDER SCHEDULE GENERAL NOTES:

- ALL CONDUCTOR SHALL BE PROVIDED WITH TYPE THIN-2 INSULATION, REFERENCE SPECIFICATION SECTION 26 05 19 FOR ADDITIONAL REQUIREMENTS.
- PROVIDE 60 DEGREE COPPER/ALUMINUM RATED TERMINATION FOR ALL FEEDERS SIZED WITH #2 OR SMALLER CONDUCTORS. PROVIDE 75 DEGREE COPPER/ALUMINUM RATED TERMINATIONS FOR ALL FEEDERS SIZED WITH #1 OR LARGER CONDUCTORS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ORDERING LUG CONFIGURATION AN ALL EQUIPMENT, BREAKER OR DISCONNECTS TO MATCH FEEDER CONFIGURATIONS INDICATED.
- WHERE MULTIPLE CONDUIT QUANTITIES ARE INDICATED, CONDUCTOR QUANTITIES AND SIZES SHOWN IN SCHEDULE SHALL BE PROVIDED IN EACH CONDUIT.

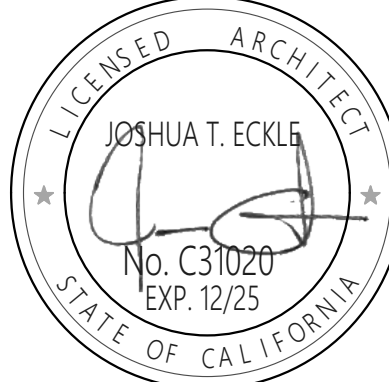
I.D.	Type	Amperity	600Volt Feeder Schedule	
			Copper	Aluminum
			Conduit Conductors	Conduit Conductors
2A		20	(1) 3/4" 3 # 12, 1# 12 Gnd	NA NA
2B		20	(1) 3/4" 4 # 12, 1# 12 Gnd	NA NA
3A		30	(1) 3/4" 3 # 10, 1# 10 Gnd	NA NA
3B		30	(1) 3/4" 4 # 10, 1# 10 Gnd	NA NA
4A		40	(1) 1" 3 # 8, 1# 10 Gnd	NA NA
4B		40	(1) 1" 4 # 8, 1# 10 Gnd	NA NA
5A		50	(1) 1" 3 # 6, 1# 10 Gnd	NA NA
5B		50	(1) 1" 4 # 6, 1# 10 Gnd	NA NA
6A		60	(1) 1 1/4" 3 # 4, 1# 8 Gnd	NA NA
6B		60	(1) 1 1/4" 4 # 4, 1# 8 Gnd	NA NA
7A		70	(1) 1 1/4" 3 # 3, 1# 8 Gnd	NA NA
7B		70	(1) 1 1/4" 4 # 4, 1# 8 Gnd	NA NA
8A		80	(1) 1 1/4" 3 # 3, 1# 8 Gnd	NA NA
8B		80	(1) 1 1/4" 4 # 3, 1# 8 Gnd	NA NA
9A		90	(1) 1 1/2" 3 # 2, 1# 8 Gnd	NA NA
9B		90	(1) 1 1/2" 4 # 2, 1# 8 Gnd	NA NA
10A		100	(1) 1 1/2" 3 # 1, 1# 6 Gnd	NA NA
10B		100	(1) 1 1/2" 4 # 1, 1# 6 Gnd	NA NA
12A		125	(1) 1 1/2" 3 # 1, 1# 6 Gnd	(1) 2" 3 # 2/0, 1# 3 Gnd
12B		125	(1) 1 1/2" 4 # 1, 1# 6 Gnd	(1) 2" 4 # 2/0, 1# 3 Gnd
15A		150	(1) 1 1/2" 3 # 1/0, 1# 6 Gnd	(1) 2" 3 # 3/0, 1# 3 Gnd
15B		150	(1) 1 1/2" 4 # 1/0, 1# 6 Gnd	(1) 2" 4 # 3/0, 1# 3 Gnd
17A		175	(1) 2" 3 # 2/0, 1# 6 Gnd	(1) 2" 3 # 4/0, 1# 3 Gnd
17B		175	(1) 2" 4 # 2/0, 1# 6 Gnd	(1) 2" 4 # 4/0, 1# 3 Gnd
20A		200	(1) 3" 3 # 3/0, 1# 4 Gnd	(1) 3" 3 # 250, 1# 2 Gnd
20B		200	(1) 3" 4 # 3/0, 1# 4 Gnd	(1) 3" 4 # 250, 1# 2 Gnd
22A		225	(1) 3" 3 # 4/0, 1# 4 Gnd	(1) 3" 3 # 300, 1# 2 Gnd
22B		225	(1) 3" 4 # 4/0, 1# 4 Gnd	(1) 3" 4 # 300, 1# 2 Gnd
25A		250	(1) 3" 3 # 250, 1# 4 Gnd	(1) 3" 3 # 350, 1# 2 Gnd
25B		250	(1) 3" 4 # 250, 1# 4 Gnd	(1) 3" 4 # 350, 1# 2 Gnd
30A		300	(1) 3" 3 # 350, 1# 2 Gnd	(1) 3" 3 # 500, 1# 1/0 Gnd
30B		300	(1) 3" 4 # 350, 1# 2 Gnd	(1) 3" 4 # 500, 1# 1/0 Gnd
35A		350	(2) 2" 3 # 2/0, 1# 2 Gnd	(2) 2" 3 # 4/0, 1# 1 Gnd
35B		350	(2) 2" 4 # 2/0, 1# 2 Gnd	(2) 2" 4 # 4/0, 1# 1 Gnd
40A		400	(2) 3" 3 # 3/0, 1# 2 Gnd	(2) 3" 3 # 250, 1# 1/0 Gnd
40B		400	(2) 3" 4 # 3/0, 1# 2 Gnd	(2) 3" 4 # 250, 1# 1/0 Gnd
45A		450	(2) 3" 3 # 4/0, 1# 2 Gnd	(2) 3" 3 # 300, 1# 1/0 Gnd
45B		450	(2) 3" 4 # 4/0, 1# 2 Gnd	(2) 3" 4 # 300, 1# 1/0 Gnd
50A		500	(2) 3" 3 # 250, 1# 1/0 Gnd	(2) 3" 3 # 350, 1# 3/0 Gnd
50B		500	(2) 3" 4 # 250, 1# 1/0 Gnd	(2) 3" 4 # 350, 1# 3/0 Gnd
60A		600	(2) 3" 3 # 350, 1# 1 Gnd	(2) 3" 3 # 500, 1# 2/0 Gnd
60B		600	(2) 3" 4 # 350, 1# 1 Gnd	(2) 3" 4 # 500, 1# 2/0 Gnd
70A		700	(3) 3" 3 # 4/0, 1# 1/0 Gnd	(3) 3" 3 # 300, 1# 3/0 Gnd
70B		700	(3) 3" 4 # 4/0, 1# 1/0 Gnd	(3) 3" 4 # 300, 1# 3/0 Gnd
80A		800	(3) 3" 3 # 300, 1# 1/0 Gnd	(3) 3" 3 # 500, 1# 3/0 Gnd
80B		800	(3) 3" 4 # 300, 1# 1/0 Gnd	(3) 3" 4 # 500, 1# 3/0 Gnd
100B		1000	(4) 3" 4 # 250, 1# 2/0 Gnd	(4) 3" 4 # 400, 1# 4/0 Gnd
120B		1200	(4) 4" 4 # 350, 1# 3/0 Gnd	(4) 4" 4 # 500, 1# 250 Gnd
160B		1600	(5) 4" 4 # 400, 1# 4/0 Gnd	(5) 4" 4 # 600, 1# 350 Gnd
200B		2000	(6) 4" 4 # 500, 1# 250 Gnd	(6) 4" 4 # 600, 1# 400 Gnd
250B		2500	(7) 4" 4 # 500, 1# 350 Gnd	(7) 4" 4 # 750, 1# 600 Gnd
300B		3000	(8) 4" 4 # 500, 1# 350 Gnd	(8) 4" 4 # 750, 1# 600 Gnd
350B		3500	(12) 4" 4 # 350, 1# 400 Gnd	(12) 4" 4 # 500, 1# 600 Gnd
400B		4000	(12) 4" 4 # 400, 1# 400 Gnd	(12) 4" 4 # 600, 1# 750 Gnd

ALPHASTUDIO DESIGN GROUP



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ARCHITECT OF RECORD



ENGINEER OF RECORD

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REPLACEMENT
VISTA ACADEMY OF VISUAL AND PERFORMING ARTS
600 N SANTA FE AVE
VISTA, CA 92083
VISTA UNIFIED SCHOOL DISTRICT
1234 ARCADIA AVE VISTA CA 92084

REVISIONS		
MARK	DATE	DESCRIPTION
	12/06/24	BID SET

PROJECT NO: 23-016
MODEL FILE:
23-016 VAPA SWITCHGEAR_DRAFT_23-04-05.ph

PLOT DATE:
4/18/2023

SHEET TITLE

ONE LINE DIAGRAM

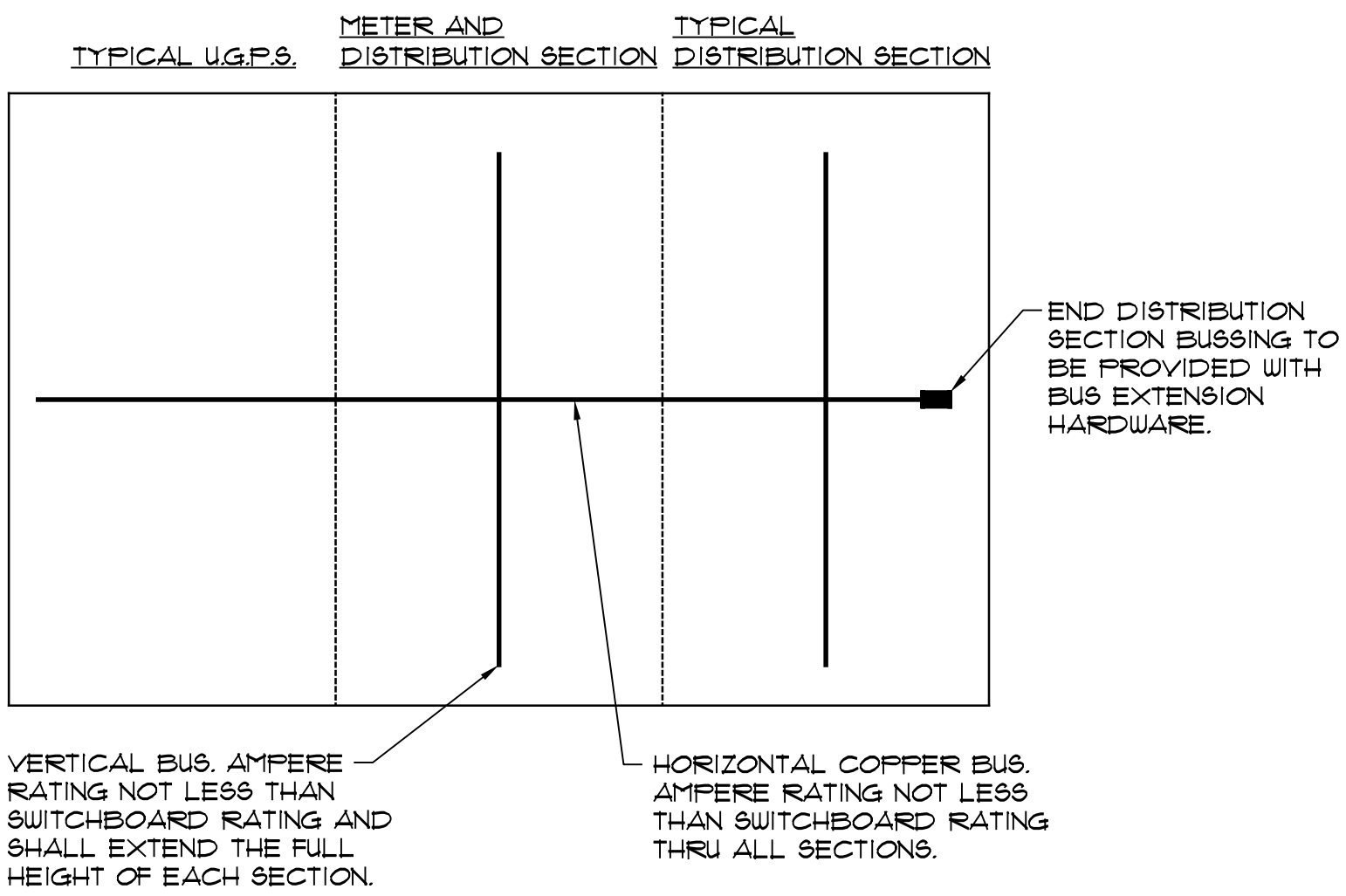
E-3.7



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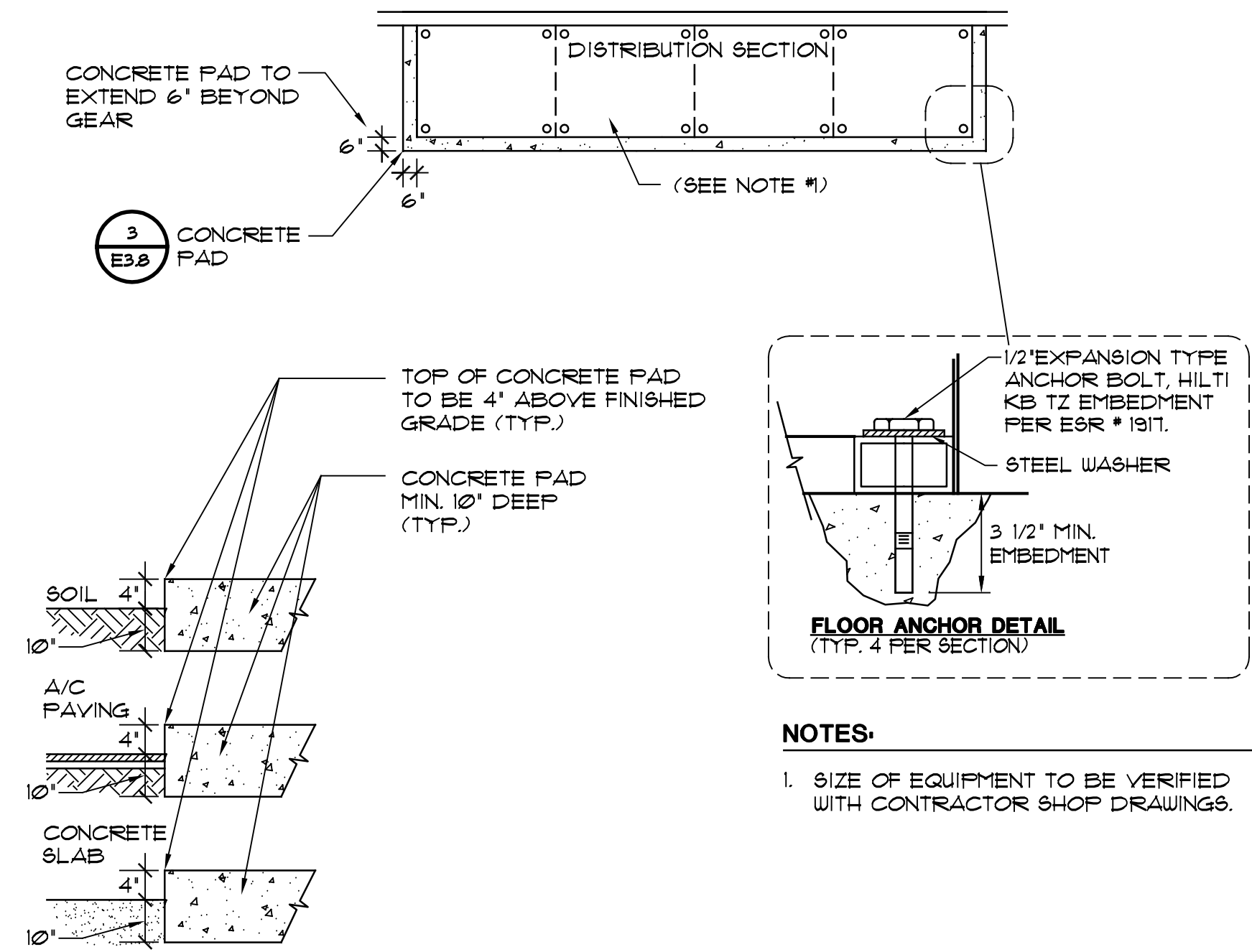
12/5/2024



SWITCHBOARD BUS CONFIGURATION DETAIL

NO SCALE

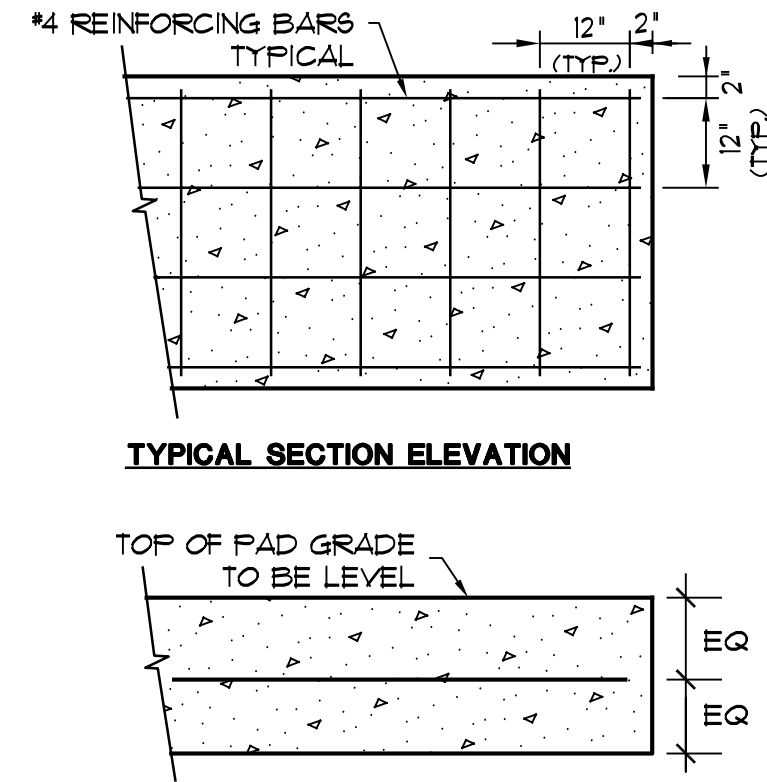
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E3.8



TYPICAL ELECTRICAL EQUIPMENT PAD DETAIL

NO SCALE

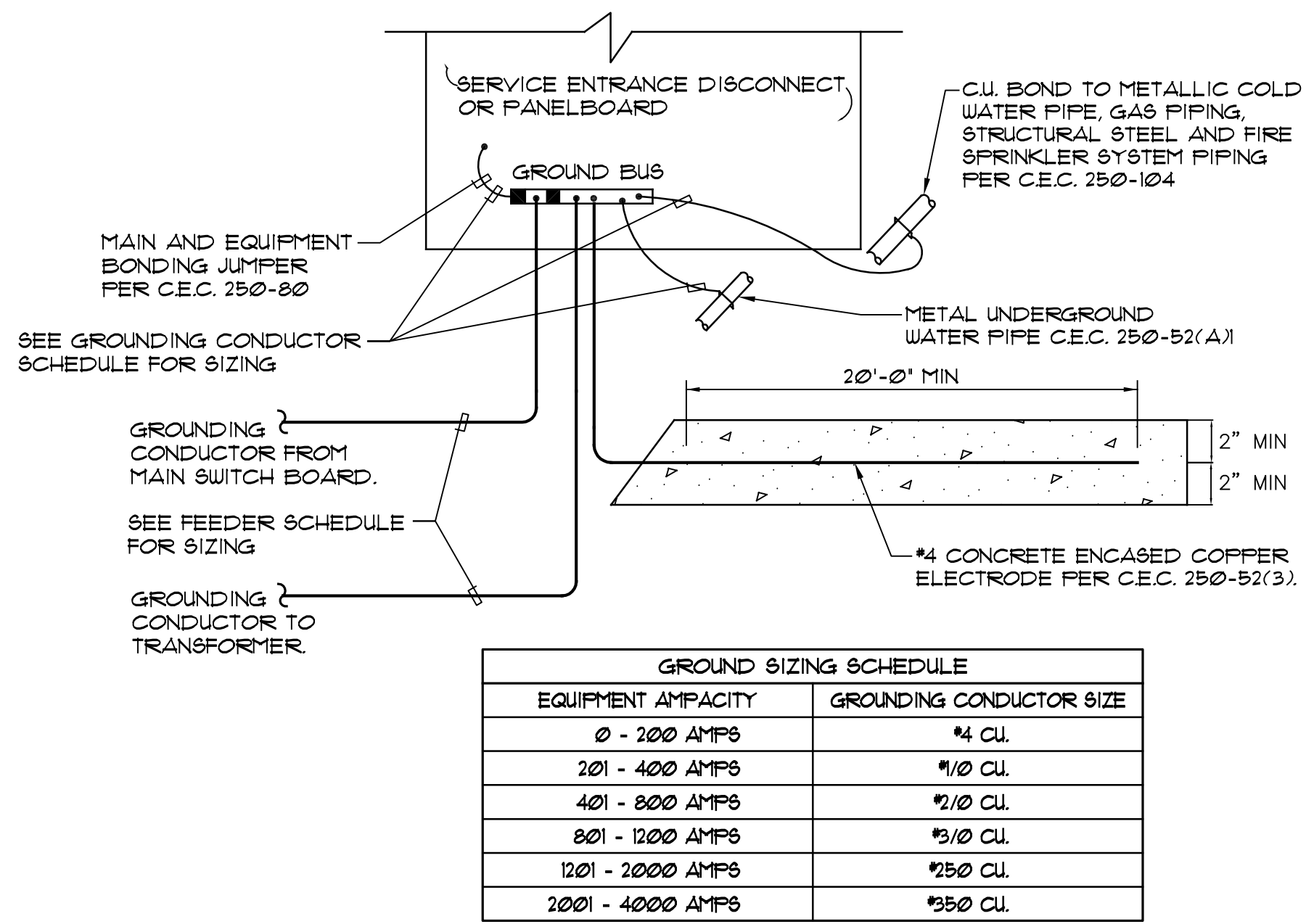
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TYPICAL HOUSEKEEPING PAD DETAIL

NO SCALE

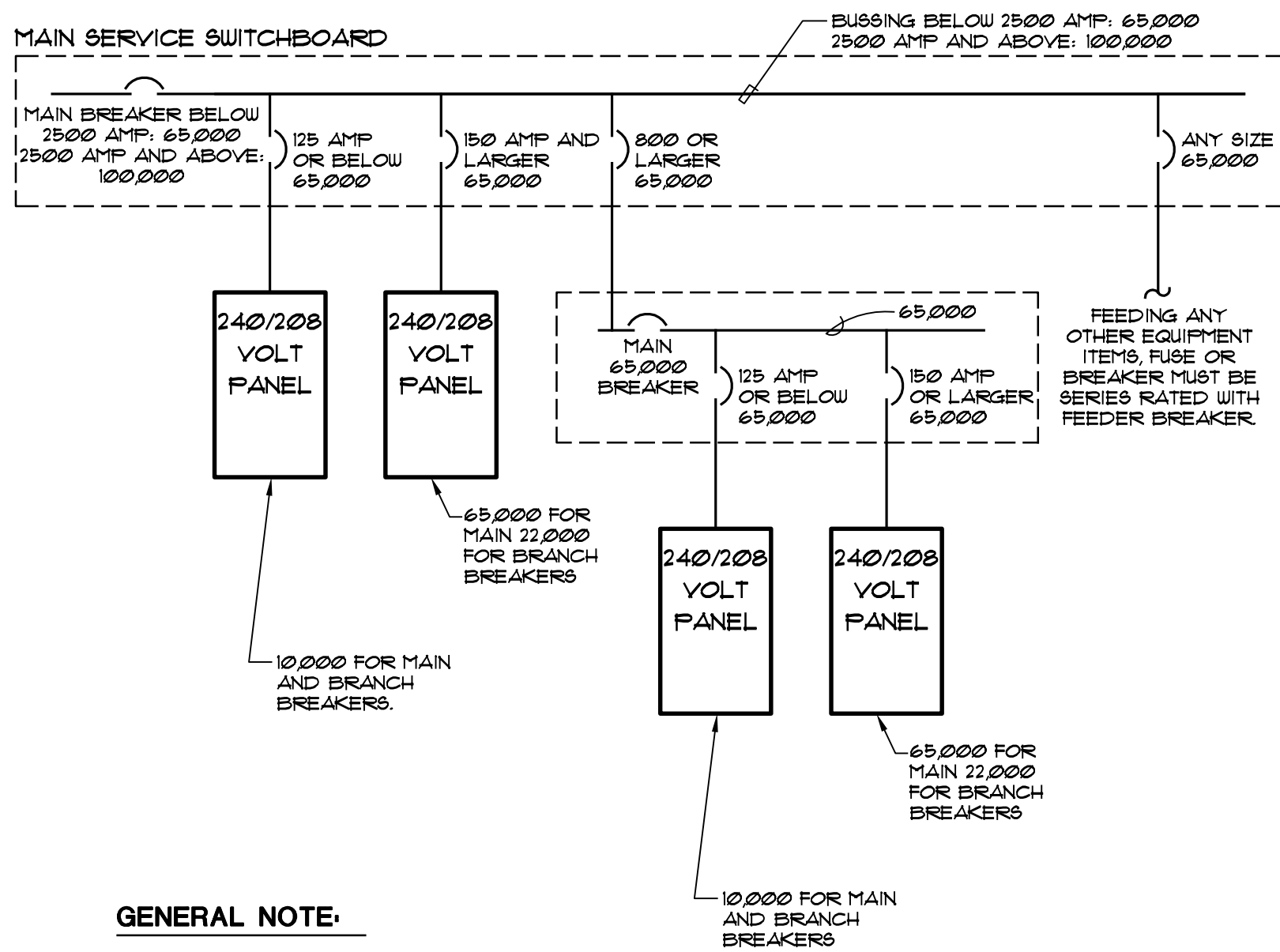
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E3.8



SERVICE ENTRANCE GROUNDING AND BONDING DETAIL

NO SCALE

4
E3.8



GENERAL NOTE:

1. ALL RATINGS SHOWN ARE FOR A UL LISTED SERIES COMBINATION OF THE BREAKERS INDICATED.

TYPICAL 208/240 VOLT SERVICE AIC EQUIPMENT RATING

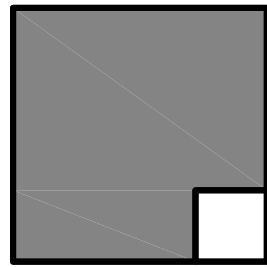
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E3.8

GENERAL NOTES

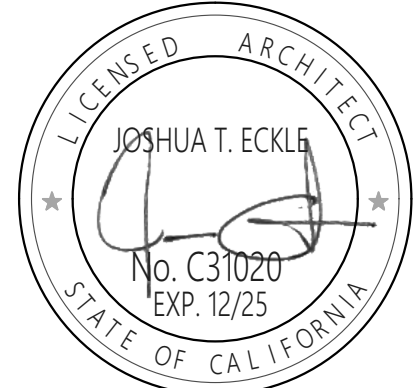
1. SEE 010 GENERAL NOTES FOR CONCRETE AND REINFORCING REQUIREMENTS.

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ONE LINE DETAILS

E3.8



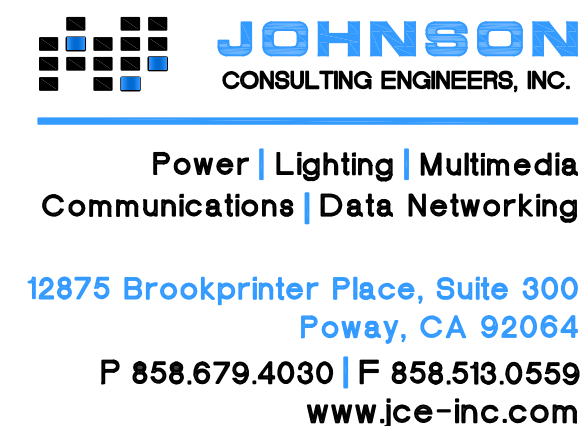
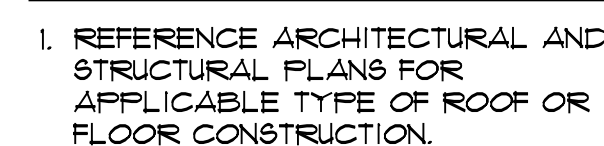
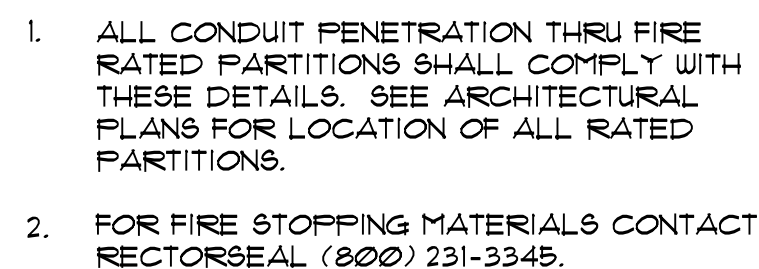
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SHEET TITLE

TYPICAL DETAILS

E-3.9

