

PLUMBING LEGEND				
SYMBOL	ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION
	S	SEWER PIPE	ABV	ABOVE
	OW	OILY WASTE PIPE	A/C	ABOVE CEILING
	IW	INDIRECT WASTE PIPE	AF	ABOVE FINISHED FLOOR
	V	VENT PIPE	AFG	ABOVE FINISHED GRADE
	CW	COLD WATER PIPE	A/G	ABOVE GRADE
	HW	HOT WATER PIPE	ARCH	ACCESS PANEL
	CD	CONDENSATE DRAIN PIPE	ARCH	ARCHITECT OR ARCHITECTURAL
	SCD	SECONDARY CONDENSATE DRAIN PIPE	BEL	BELOW
	PCD	PUMPED CONDENSATE DRAIN PIPE	B/G	BELOW GRADE
	FCO	FLOOR CLEAN OUT	BOP	BOTTOM OF PIPE
	GCO	GRADE CLEAN OUT	B/S	BELOW SLAB
	WCO	WALL CLEAN OUT	CBC	CALIFORNIA BUILDING CODE
	SOV	SHUT OFF VALVE	CEC	CALIFORNIA ELECTRICAL CODE
	CV	CHECK VALVE	CFC	CALIFORNIA FIRE CODE
	BV	BALL VALVE	CMC	CALIFORNIA MECHANICAL CODE
	U	UNION	CPC	CALIFORNIA PLUMBING CODE
		CAPPED PIPE	CI	CAST IRON
	CONT	CONTINUED OR CONTINUATION	CISPI	CAST IRON SOIL PIPE INSTITUTE
	TP	TRAP PRIMER LINE	CLG	CEILING
	WHA	WATER HAMMER ARRESTOR	CONN	CONNECT OR CONNECTION
	HB	HOSE BIBB	CONTR	CONTRACTOR
		PIPE DOWN OR DROP	DI	DIVISION
		PIPE UP OR RISE	DWG(S)	DRAWING(S)
		VALVE ON DROP	EA	EACH
		VALVE ON RISE	(E)	EXISTING
	P.O.D.	POINT OF DISCONNECT	FF	FINISHED FLOOR
	POC	POINT OF CONNECTION	FLR	FLOOR
	FS, RR	FLOOR SINK OR ROOF RECEPTOR	FU	FIXTURE UNIT
	VTR	VENT THROUGH ROOF	IND	INDIRECT
			INV	INVERT
			IE	INVERT ELEVATION
			KS	KITCHEN SINK
			LS	LAUNDRY SINK
			L, LAV	LAVATORY
			NIC	NOT IN CONTRACT
			NTS	NOT TO SCALE
			REQ'D	REQUIRED
			RI	ROUGH-IN
			SOV	SHUT-OFF VALVE
			TEMP	TEMPERATURE
			THRU	THROUGH
			UNO	UNLESS NOTED OTHERWISE
			WC	WATER CLOSET
			WHA	WATER HAMMER ARRESTOR
			WH	WATER HEATER
			YB	YARD BOX

- ### PLUMBING GENERAL NOTES:
- CONTRACTOR SHALL FIELD VERIFY THE LOCATIONS OF ALL EXISTING UTILITY PIPES PRIOR TO START OF WORK. NECESSARY ADJUSTMENTS TO THE PLUMBING LAYOUT SHALL BE DONE AT NO EXTRA COST.
 - CONTRACTOR SHALL NOTIFY ALL LOCAL UTILITY COMPANIES INCLUDING BUT NOT LIMITED TO THE GAS COMPANY, ELECTRIC COMPANY, TELEPHONE COMPANY, AND THE WATER DEPARTMENT. ABOUT THE EXTENT OF PLUMBING WORK. ALL EXCAVATION WORK SHALL BE APPROVED BY ALL UTILITY COMPANIES TO ASSURE PREVENTION OF INTERRUPTION OF EXISTING SERVICES PRIOR TO START OF WORK.
 - ALL PLUMBING WORK SHALL MEET OR EXCEED THE REQUIREMENTS OF THE CALIFORNIA PLUMBING CODE, CALIFORNIA BUILDING CODE, CALIFORNIA MECHANICAL CODE, CALIFORNIA ADMINISTRATIVE CODE, TITLE 24, AMERICANS WITH DISABILITIES ACT (ADA), NATIONAL FIRE PROTECTION ASSOCIATION (NFPA), THE LOCAL CITY AND COUNTY CODES, AND ALL OTHER CODES HAVING JURISDICTION. IN CASE OF CONFLICT, THE MORE STRICT REGULATIONS SHALL GOVERN.
 - ALL PLUMBING WORK SHALL BE COORDINATED WITH THE WORKS OF OTHER TRADES PRIOR TO START OF WORK. NECESSARY ADJUSTMENTS SHALL BE MADE AT NO EXTRA COST.
 - FOR MINIMUM PIPE SIZE CONNECTIONS TO EACH PLUMBING FIXTURE SEE PLUMBING FIXTURE SCHEDULE. THESE VALUES ARE MINIMUM. LARGER CONNECTIONS MAY RESULT BASED ON THE DIFFERENT MANUFACTURER'S RECOMMENDATIONS.
 - MANUFACTURER'S NAMES AND MODEL NUMBERS SHOWN FOR PLUMBING FIXTURES AND EQUIPMENT ARE FOR REFERENCE ONLY. OTHER MANUFACTURERS WHICH CAN MEET THE DESIGN REQUIREMENTS OF THE PLUMBING SYSTEM MAY BE SUBSTITUTED UPON APPROVAL FROM THE ARCHITECT AND THE OWNER.
 - PROVIDE DIELECTRIC FITTINGS FOR DISSIMILAR METALS IN CONTACT.
 - PROVIDE HANGERS AND SUPPORTS FOR PIPING IN ACCORDANCE WITH THE RECOMMENDATIONS OF MSS SP-69-2003.
 - PROVIDE VALVES AT THE FOLLOWING LOCATIONS:
 - WATER MAIN SHUT-OFF VALVE IN VALVE BOX.
 - VALVE WITH HOSE CONNECTION ON DOWNSTREAM SIDE OF THE MAIN SHUT-OFF VALVE.
 - SHUT-OFF VALVE ON EACH SUPPLY TO EACH FIXTURE AND EQUIPMENT ITEM NOT PROVIDED WITH CONTROL STOP OR OTHER AUXILIARY SHUT-OFF VALVE. INSTALL SHUT-OFF VALVES SO THAT STEMS EITHER ARE VERTICAL WITH HANDWHEELS OR OPERATORS ON TOP OR ARE HORIZONTAL AND SO THAT VALVES ARE EASILY ACCESSIBLE FOR OPERATION, SERVICE, REMOVAL AND REPLACEMENT.
 - PROVIDE SLEEVES FOR ALL PIPE AND TUBING PASSING THROUGH FLOORS, ROOFS, AND WALLS. PACK CAULK INTO THE SPACE AROUND THE PIPE OR TUBING. PROVIDE FLASHING FOR ALL PIPES EXTENDING THROUGH THE ROOF.
 - ALL VENT TERMINATIONS AT ROOF SHALL BE AT LEAST 10 FEET AWAY FROM OUTSIDE AIR INTAKES, OPERABLE WINDOWS, AND BUILDING OPENINGS.
 - FILL CRACKS BETWEEN FIXTURES AND WALL/FLOORS WITH SILICONE RUBBER SEALANT.
 - LOCATE, SIZE, AND INSTALL WATER HAMMER ARRESTERS IN ACCORDANCE WITH PLUMBING AND DRAINAGE INSTITUTE STANDARD NO. WH-201.
 - INSTALL FIXTURES IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND ALL APPLICABLE CODES. SECURE FLOOR OUTLET OF FLOOR-MOUNTED FIXTURES TO DRAINAGE CONNECTIONS AND FLOOR IN A RIGID MANNER. RIGIDLY SUPPORT WALL-HUNG FIXTURES BY MEANS OF METAL SUPPORTING MEMBERS. USE CHROMIUM-PLATED BRASS BOLTS, NUTS, AND WASHERS WHERE EXPOSED. ALL CONNECTIONS SHALL BE MADE GAS-TIGHT AND WATER-TIGHT. USE OF PUTTY AND PLASTICS FOR GASKETS WILL NOT BE PERMITTED.
 - PROVIDE ALL FIXTURE COMPONENTS AS INDICATED ON DRAWINGS. PROVIDE ADDITIONAL COMPONENTS AS PER MANUFACTURER'S RECOMMENDATIONS FOR PROPER OPERATION OF THE FIXTURES.
 - PROVIDE EACH PLUMBING FIXTURE (INCLUDING HOSE BIBBS) WITH AN INDIVIDUAL STOP OR COMPRESSION VALVE OF POLISHED CHROME-PLATED LOOSE KEY TYPE.
 - WHERE DEPTHS OR INVERTS (ELEVATIONS ARE NOT INDICATED, PROVIDE MINIMUM COVERAGE (ABOVE TOP OF PIPES) AS FOLLOWS:
 - ANY PIPING UNDER SLAB (TOP OF PIPE TO TOP OF SLAB): 18 INCHES.
 - CAST IRON AND COPPER PIPES IN OTHER LOCATIONS: 18 INCHES.
 - EXCAVATE TO UNDISTURBED EARTH: CUT LEVEL AND FORM TRUE. REMOVE DEBRIS, RUBBISH AND SOFT MATERIAL (SUCH AS MUD), WHERE ROCK IS ENCOUNTERED, UNDERCUT TRENCHES 6 INCHES AND FILL WITH WELL TAMPED NEUTRAL SAND AND PEA GRAVEL TO PROPER PIPE ELEVATION. DURING EXCAVATION FREE OF STANDING WATER. UNDERCUT TRENCH 6 INCHES AND INSTALL PIPING IN A 6-INCH NEUTRAL SAND ENVELOPE.
 - BACKFILL TO A POINT 12 INCHES ABOVE TOP OF PIPING WITH EARTH (EXCAVATED MATERIAL MAY BE USED) FREE OF CLAY, DEBRIS, RUBBISH, ROCKS, OR CLODS OVER 4 INCHES IN THE GREATEST DIMENSION. BACKFILL ABOVE 12 INCHES FROM TOP OF PIPING MAY BE WITH EXCAVATED MATERIAL. APPLY BACKFILL BY HAND IN 6-INCH DEEP LAYERS THE FULL WIDTH OF THE TRENCH. MOISTEN EACH LAYER (DO NOT FLOOD OR PUDDLE) AND HAND TAMP TO A MINIMUM 90 PERCENT COMPACTION BEFORE PROCEEDING WITH THE NEXT LAYER OF BACKFILL.
 - DO NOT EXCAVATE UNDER FOUNDATIONS OR FOOTINGS EXCEPT IN MANNER PERMITTED BY THE ARCHITECT. DO NOT BACKFILL UNTIL INSTALLED PIPING HAS BEEN SUCCESSFULLY TESTED.
 - VERIFICATION OF WATER AGENCY APPROVAL SHALL BE SUBMITTED TO THE BUILDING AND SAFETY DIVISION PRIOR TO ISSUANCE OF A PLUMBING PERMIT FOR THIS PROJECT.
 - ALL PENETRATIONS THRU FIRE RATED ASSEMBLIES SHALL BE PACKED WITH APPROVED FIRE PROOFING. FOR LOCATIONS OF FIRE RATED ASSEMBLIES, SEE ARCHITECTURAL PLANS.
 - ROUTE ALL PIPES AS HIGH AS POSSIBLE IN EXPOSED LOCATIONS. COORDINATE ROUTING WITH ALL OTHER TRADES PRIOR TO START OF WORK.
 - NO SPRAY FOAM INSULATION SHALL BE APPLIED TO AREAS CONTAINING PEX PIPING.
 - UNLESS SPECIFICALLY SHOWN ON THESE DRAWING, NO STRUCTURAL MEMBER SHALL BE CUT, DRILLED, NOR NOTCHED WITHOUT PRIOR AUTHORIZATION IN WRITING BY THE STRUCTURAL ENGINEER OF RECORD AND DSA

- ### PLUMBING MANDATORY MEASURES
- ALL PLUMBING SYSTEM COMPONENTS SHALL MEET OR EXCEED THE REQUIREMENTS OF CURRENT CBC, CMC, CPC, NEC, NFPA, ASTM, ANSI, AND ALL LOCAL AND STATE CODE REQUIREMENTS. (SEE BELOW)
 - ALL PLUMBING EQUIPMENT LISTED IN OF THE 2022 CALIFORNIA CODE OF REGULATIONS (CCR), TITLE 24, PART 6, SECTION 110.3 ENERGY EFFICIENCY STANDARDS MUST BE CERTIFIED BY THE MANUFACTURER TO MEET OR EXCEED SPECIFICATIONS OR EFFICIENCIES ADOPTED BY THE CEC.
 - ALL HEATERS FOR DOMESTIC HOT WATER MUST BE CERTIFIED BY THE MANUFACTURER TO MEET THE SPECIFICATIONS OR EFFICIENCIES AS ADOPTED BY THE CEC IN ACCORDANCE WITH THE 2022 CALIFORNIA CODE OF REGULATIONS (CCR), TITLE 24, PART 6, SECTION 110.3 RESIDENTIAL NON-RESIDENTIAL.
 - ALL GAS APPLIANCES MUST HAVE FLAMELESS IGNITION SYSTEM IN ACCORDANCE WITH SECTION 110.5 OF THE 2022 CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 6, ENERGY EFFICIENCY STANDARDS, TABLE 4.4.
 - ALL INSULATING MATERIALS INSTALLED MUST BE CERTIFIED BY CALIFORNIA ENERGY COMMISSION TO MEET 2022 CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 6, ENERGY EFFICIENCY STANDARDS, SECTION 120.3 AND TABLE 4.1.6.
 - ALL INSULATION INSTALLED SHALL MEET THE FLAME SPREAD AND SMOKE DENSITY REQUIREMENTS OF 2022 CBC, PART 1, SECTION 720 AND 2022 CMC, SECTION 602.2.
 - ALL PIPING EXPOSED TO WEATHER SHALL BE METALLIC.
 - ALL FERROUS PIPING EXPOSED TO WEATHER SHALL BE GALVANIZED AND PAINTED.
 - ALL PIPES, FITTINGS AND FIXTURES USED TO CONVEY POTABLE WATER SHALL BE LEAD FREE IN COMPLIANCE WITH CPC SECTION 604.2.
 - ALL FIXTURES REQUIRED TO BE ACCESSIBLE SHALL BE INSTALLED AS PER THE LATEST REQUIREMENTS OF TITLE 24 AND ADA (AMERICANS WITH DISABILITIES ACT).
 - CROSS CONNECTION PROTECTION SHALL BE PROVIDED AT ALL POTABLE WATER SUPPLIED APPLIANCES AND EQUIPMENT (OTHER THAN THOSE LISTED IN INFORMATION BULLETIN 103).
 - A WATER HEATER PRESSURE AND TEMPERATURE RELIEF DRAIN THAT TERMINATES OUTSIDE THE BUILDING SHALL COMPLY WITH CPC SECTION 608.3.
 - WATER HEATER SHALL BE ANCHORED OR STRAPPED TO RESIST HORIZONTAL DISPLACEMENT DUE TO EARTHQUAKE MOTION PER CPC SECTION 507.2.
 - WATER HEATER SHALL COMPLY WITH CPC SECTION 608.3, FOR THERMAL EXPANSION REQUIREMENTS.
 - LAVATORY FAUCETS IN PUBLIC RESTROOM SHALL BE SELF-CLOSING TYPE.
 - TUB AND SHOWER COMBINATIONS SHALL BE PROVIDED WITH MIXING VALVES PER CPC SECTION 408.3.
 - SHOWERHEADS SHALL BE 1.8 GPM AT 80PSI.
 - NONRESIDENTIAL LAVATORY FAUCETS SHALL BE 0.4 GPM MAXIMUM.
 - KITCHEN FAUCETS AND WASH FOUNTAINS SHALL BE 1.8 GPM MAXIMUM.
 - METERING FAUCETS SHALL BE 0.2 GPM MAXIMUM.
 - WATER CLOSETS (GRAVITY TANK TYPE, FLOWSHOWER TANK, FLOWSHOWER VALVE AND ELECTROMECHANICAL HYDRAULIC TYPE) SHALL BE 1.28 GPM MAXIMUM.
 - FLOORMOUNT URINALS SHALL BE 0.5 GPM MAXIMUM. WALL-MOUNT URINALS SHALL BE 0.125 GPM MAXIMUM.
 - ALL INSTALLATION OF PEX PIPE INSTALLED IN NEW CONSTRUCTION SHALL BE FLUSHED TWICE OVER A PERIOD OF AT LEAST ONE WEEK PER CPC SECTION 604.1.2. PEX.
 - AT THE TIME OF FILL, EACH NEW PLUMBING FIXTURE SHALL HAVE A REMOVABLE TAG APPLIED STATING:
 - THIS NEW PLUMBING SYSTEM SHALL BE FIRST FILLED AND FLUSHED ON (DATE) BY (NAME), THE STATE OF CALIFORNIA REQUIRES THAT THE SYSTEM BE FLUSHED AFTER STANDING AT LEAST ONE WEEK AFTER THE FILL DATE SPECIFIED ABOVE. IF THIS SYSTEM IS USED EARLIER THAN ONE WEEK AFTER THE FILL DATE ABOVE, IF THIS SYSTEM IS USED EARLIER THAN ONE WEEK AFTER THE FILL DATE, THE WATER MUST BE ALLOWED TO RUN FOR AT LEAST TWO MINUTES PRIOR TO USE FOR HUMAN CONSUMPTION. THE TAG MAY NOT BE REMOVED PRIOR TO THE

- ### APPLICABLE CODES
- 2025 CALIFORNIA ADMINISTRATIVE CODE (CAC), CCR PART 1, TITLE 24
 - 2025 CALIFORNIA BUILDING CODE (CBC), CCR TITLE 24, PARTS 1 & 2 (BASED ON THE 2018 EDITION INTERNATIONAL BUILDING CODE VOLS. 1 & 2)
 - 2025 CALIFORNIA ELECTRICAL CODE (CEC), CCR TITLE 24, PART 3 (BASED ON THE 2017 EDITION NATIONAL ELECTRICAL CODE WITH CALIFORNIA AMENDMENTS)
 - 2025 CALIFORNIA MECHANICAL CODE (CMC), CCR TITLE 24, PART 4, TITLE 24 CCR (BASED ON THE 2018 EDITION UNIFORM MECHANICAL CODE WITH CALIFORNIA AMENDMENTS)
 - 2025 CALIFORNIA PLUMBING CODE (CPC), CCR TITLE 24, PART 5, (BASED ON THE 2018 EDITION UNIFORM PLUMBING CODE WITH CALIFORNIA AMENDMENTS)
 - 2025 CALIFORNIA ENERGY CODE (CEC), CCR TITLE 24, PART 6, AND ASSOCIATED ADMINISTRATIVE REGULATION IN PART 1.
 - 2025 CALIFORNIA FIRE CODE (CFC), CCR TITLE 24, PART 9 (BASED ON THE 2018 EDITION INTERNATIONAL FIRE CODE WITH CALIFORNIA AMENDMENTS)
 - 2025 CALIFORNIA EXISTING BUILDING CODE (CEBC), CCR TITLE 24, PART 10, (BASED ON THE 2018 EDITION INTERNATIONAL EXISTING BUILDING CODE WITH CALIFORNIA AMENDMENTS)
 - 2025 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGreen), CCR TITLE 24, PART 11
 - 2025 CALIFORNIA REFERENCED STANDARDS CODE, CCR TITLE 24, PART 12
 - TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS
 - 2016 ASME A17.1/CSA B44-10 SAFETY CODE FOR ELEVATORS AND ESCALATORS
- APPLICABLE STANDARDS
- FOR LIST OF APPLICABLE STANDARDS, INCLUDING CALIFORNIA AMENDMENTS TO THE NFPA STANDARDS, REFER TO CBC CHAPTER 35 AND CFC CHAPTER 80.

- ### ANCHORAGE AND BRACING NOTES
- APPLICABLE CODE: 2025 CBC
- 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 2025 CBC SECTIONS 1617A.1.18 THROUGH 1617A1.26 AND ASCE 7-16 CHAPTERS 13.26, AND 30.
- ALL PERMANENT EQUIPMENT AND COMPONENTS
 - TEMPORARY, MOVEABLE, 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 110/220 VOLT RECEPTACLES HAVING FLEXIBLE CABLE.
 - TEMPORARY, MOVEABLE, 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 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 ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORTS THE COMPONENTS.
 - 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 OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.
- APPLICABLE CODE: 2025 CBC PER IR 16-13
- MEP DISTRIBUTION SYSTEM BRACING NOTE FOR PIPING, DUCTWORK, AND ELECTRICAL CONDUIT**
- PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7 SECTION 13.3 AS DEFINED IN ASCE 7 SECTIONS 13.6.6, 13.6.7, AND 13.6.8, AND 2025 CBC SECTIONS 1617A.1.24, 1617A1.25, AND 1617A1.26.
- THE METHOD OF SHOWING BRACING ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEMS ARE AS NOTED BELOW. THE MEP DESIGN PROFESSIONAL ENGINEER RESPONSIBLE FOR CONTENT ON THESE SHEETS HAS VERIFIED THAT THE DESIGN METHODS IDENTIFIED BELOW ARE IN ACCORDANCE WITH DSA IR 16-13.
- MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):
- MP MD PP E OPTION 1: PROJECT-SPECIFIC DESIGN
- MP MD PP E OPTION 2: DESIGN BASED ON OSHPD OPM, WITHIN PROJECT SUBMITTAL.
- MP MD PP E OPTION 3: DESIGN BASED ON OSHPD OPM, DEFERRED SUBMITTAL.

- ### MANDATORY CALGREEN CHECKLIST
- | WATER EFFICIENCY AND CONSERVATION INDOOR WATER USE | MANDATORY |
|---|-----------|
| 5.303.1 METERS: SEPARATE METERS SHALL BE INSTALLED FOR THE USES DESCRIBED IN SECTIONS 5.303.1.1 AND 5.303.1.2. | |
| 5.303.1.1 BUILDINGS IN EXCESS OF 50,000 SQUARE FEET: SEPARATE SUBMETERS SHALL BE INSTALLED AS FOLLOWS: <ol style="list-style-type: none"> FOR EACH INDIVIDUAL LEASED, RENTED OR OTHER TENANT SPACE WITHIN THE BUILDING PROJECTED TO CONSUME MORE THAN 100 GAL/DAY. WHERE SEPARATE SUBMETERS FOR INDIVIDUAL BUILDINGS TENANTS ARE UNFEASIBLE, FOR WATER SUPPLIED TO THE FOLLOWING SUBSYSTEMS: <ol style="list-style-type: none"> MAKEUP WATER FOR COOLING TOWERS WHERE FLOW THROUGH IS GREATER THAN 500 GPM (30US). MAKEUP WATER FOR EVAPORATIVE COOLERS GREATER THAN 6 GPM (0.04 US). STEAM AND HOT WATER BOILERS WITH ENERGY INPUT MORE THAN 500,000 Btu/h (147 kW). | |
| 5.303.1.2 EXCESS CONSUMPTION: ANY BUILDING OR A SPACE WITHIN A BUILDING THAT IS PROJECTED TO CONSUME MORE THAN 1,000 GAL/DAY (3800 L/DAY). | |
| 5.303.2 20 PERCENT SAVINGS: A SCHEDULE OF PLUMBING FIXTURES AND FIXTURE FITTINGS THAT WILL REDUCE THE OVERALL USE OF POTABLE WATER WITHIN THE BUILDING BY 20 PERCENT SHALL BE PROVIDED. (CALCULATE SAVINGS BY WATER USE WORKSHEETS) | |
| 5.303.2.1 MULTIPLE SHOWERHEADS SERVING ONE SHOWER: WHEN A SHOWER IS SERVED BY MORE THAN ONE SHOWERHEAD, THE COMBINED FLOW RATE OF ALL THE SHOWERHEADS CONTROLLED BY A SINGLE VALVE SHALL NOT EXCEED THE MAXIMUM FLOW RATE AT 20 PERCENT REDUCTION CONTAINED IN TABLE 5.303.2.3 OR THE SHOWER SHALL BE DESIGNED TO ONLY ALLOW ONE SHOWERHEAD TO BE IN OPERATION AT A TIME. | |
| 5.303.4 WASTEWATER REDUCTION: EACH BUILDING SHALL REDUCE THE GENERATION OF WASTEWATER BY ONE OF THE FOLLOWING METHODS: <ol style="list-style-type: none"> THE INSTALLATION OF WATER-CONSERVING FIXTURES OR UTILIZING NONPOTABLE WATER SYSTEMS. | |
| 5.303.6 PLUMBING FIXTURES AND FITTINGS: PLUMBING FIXTURES (WATER CLOSETS AND URINALS) AND FITTINGS (FAUCETS AND SHOWERHEADS) SHALL COMPLY WITH THE REQUIREMENTS LISTED FOR EACH TYPE IN ITEMS LISTED IN TABLE 5.303.6. <ol style="list-style-type: none"> WATER CLOSETS (TOILETS) - FLOWSHOWER TYPE WATER CLOSETS (TOILETS) - TANK TYPE URINALS PUBLIC LAVATORY FAUCETS PUBLIC METERING SELF-CLOSING FAUCETS RESIDENTIAL BATHROOM LAVATORY SINK FAUCETS RESIDENTIAL KITCHEN FAUCETS RESIDENTIAL SHOWER HEADS SINGLE SHOWER FIXTURES SERVED BY MORE THAN ONE SHOWERHEAD | |

SHEET INDEX

5PS0.01	PLUMBING LEGEND AND GENERAL NOTES
5PS1.01	PLUMBING SITE PLAN
5PS1.10	PLUMBING FIRST FLOOR PLAN
5PS1.2	PLUMBING ROOF PLAN
5PS2.00	PLUMBING DETAILS

PLUMBING PIPE MATERIAL SCHEDULE

SERVICE	LOCATION	PIPE MATERIAL
WATER	ABOVE GRADE	ASTM B88 TYPE "L" HARD DRAWN COPPER WITH WROUGHT COPPER FITTINGS.
	BELOW GRADE	ASTM B88 TYPE "K" HARD DRAWN COPPER, FACTORY INSULATED, WITH WROUGHT COPPER FITTINGS.
SEWER AND VENT	ABOVE GRADE	ASTM A888 SERVICE WEIGHT CAST IRON PIPE AND DWV FITTINGS SHALL CONFORM TO CPC AND BEAR THE COLLECTIVE TRADEMARK OF CPSP AND NSF.
	BELOW GRADE	ABS SCHEDULE 40 PIPE AND DWV FITTINGS SHALL CONFORM TO ASTM D2321-2000 AND CPC.

PLUMBING FIXTURE SCHEDULE

SYMBOL	FIXTURE	ROUGH-IN CONNECTION				REMARKS
		CW	HW	V	MISC.	
AD-1	AREA DRAIN	--	--	--	2"	--

ZURN MODEL ZB415-6B-VP, 6" AREA DRAIN. SEE CIVIL DETAIL 6/C05.00 FOR MORE INFORMATION.

Practice

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PARADISE CANYON E.S.

PACKAGE 5 - NEW NORTH BUILDINGS

471 KNIGHT WAY, LA CAÑADA FLINTBRIDGE, CA 91011



ISSUE DATE	DESCRIPTION
04/19/2024	100% SCHEMATIC DESIGN
07/05/2024	50% DESIGN DEVELOPMENT
08/16/2024	100% DESIGN DEVELOPMENT
04/11/2025	50% CONSTRUCTION DOCUMENTS
07/18/2025	100% CONSTRUCTION DOCUMENTS
08/06/2025	DSA V1
12/05/2025	DSA V2
03/20/2026	DSA V3

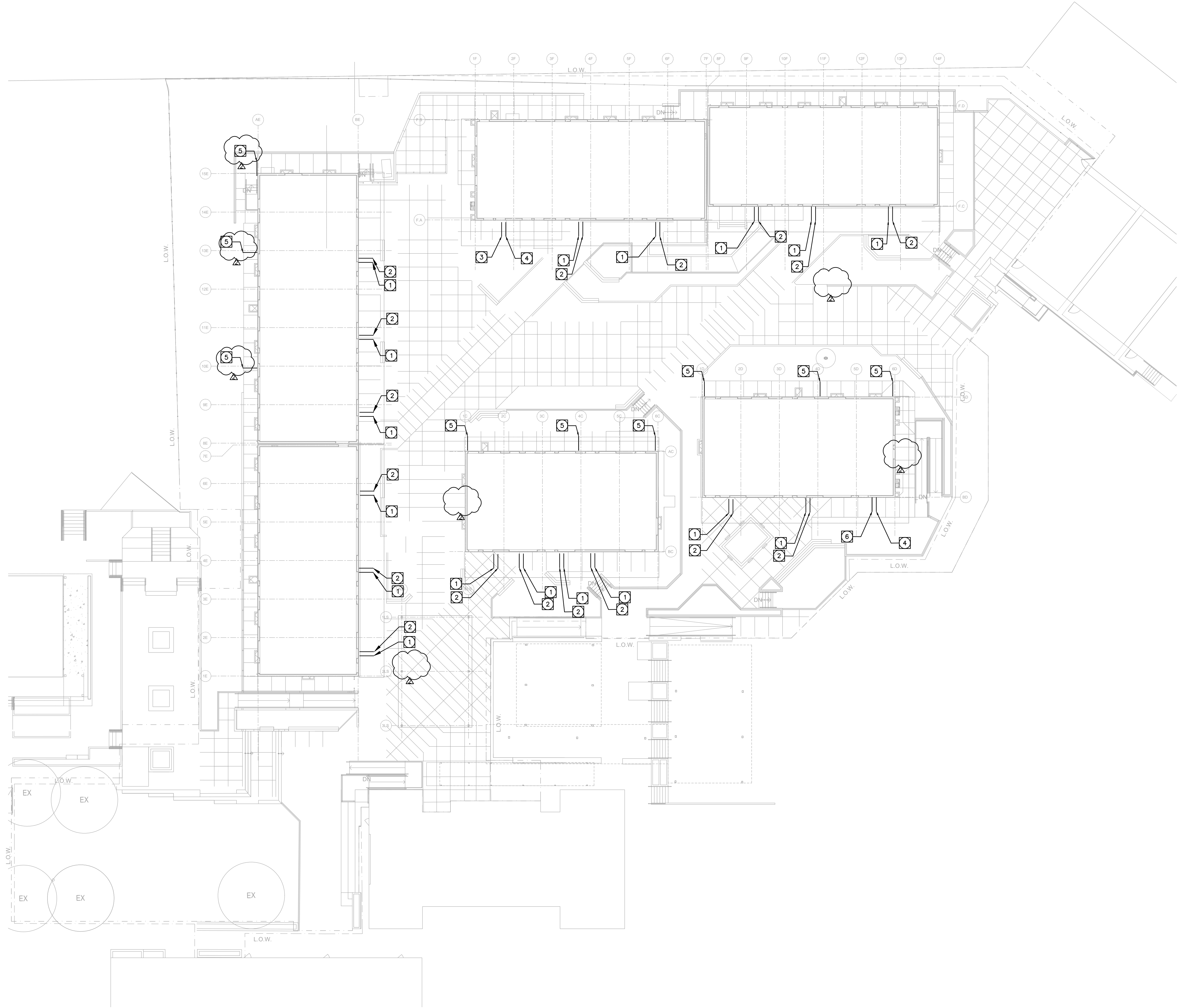
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6/2/2026	PC RESUBMITTAL

DRAWING TITLE

PLUMBING LEGEND AND GENERAL NOTES

5PS0.01

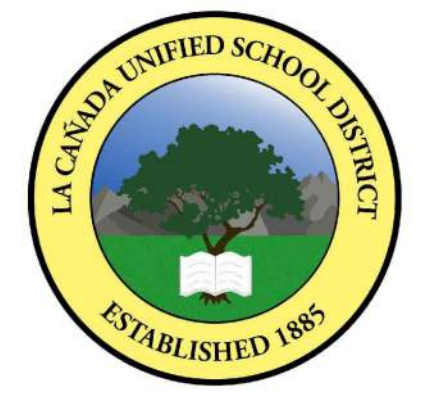
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PLOT DATE



SHEET NOTE

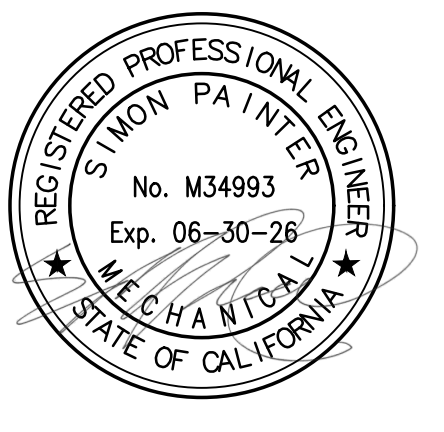
- ① SITE CONTRACTOR TO CONNECT 3/4" COLD WATER UNDER BUILDING TO MODULAR BUILDING STUB OUT. I.E. = -2'-0". REFER TO AMS DRAWINGS FOR STUB OUT DETAIL 3/SPS2.00.
- ② SITE CONTRACTOR TO CONNECT 2" WASTE UNDER BUILDING TO MODULAR BUILDING STUB OUT. I.E. = -2'-0". REFER TO AMS DRAWINGS FOR STUB OUT DETAIL 3/SPS2.00.
- ③ SITE CONTRACTOR TO CONNECT 2" COLD WATER UNDER BUILDING TO MODULAR BUILDING STUB OUT. I.E. = -2'-0". REFER TO AMS DRAWINGS FOR STUB OUT DETAIL 3/SPS2.00.
- ④ SITE CONTRACTOR TO CONNECT 4" WASTE UNDER BUILDING TO MODULAR BUILDING STUB OUT. I.E. = -3'-0". REFER TO AMS DRAWINGS FOR STUB OUT DETAIL 3/SPS2.00.
- ⑤ 3" STORM DRAIN. SEE DETAIL 4/SPS2.00. SEE CIVIL PLANS FOR CONTINUATION. I.E. = -2'-0".
- ⑥ SITE CONTRACTOR TO CONNECT 1-1/2" COLD WATER UNDER BUILDING TO MODULAR BUILDING STUB OUT. I.E. = -2'-0". REFER TO AMS DRAWINGS FOR STUB OUT DETAIL 3/SPS2.00.

Practice
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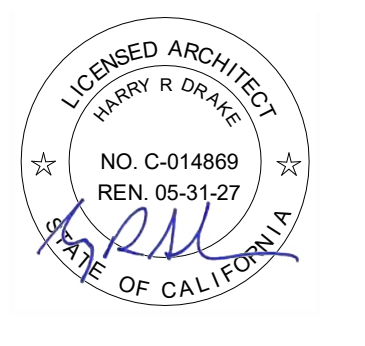
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 PACKAGE 5 - NEW NORTH BUILDINGS
 471 KNIGHT WAY, LA CAÑADA FLINTRIDGE, CA 91011

PROJECT NUMBER 20911



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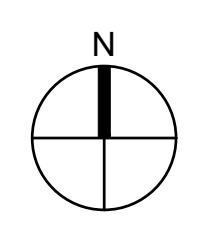
ISSUE DATE	DESCRIPTION
04/19/2024	100% SCHEMATIC DESIGN
07/05/2024	50% DESIGN DEVELOPMENT
08/18/2024	100% DESIGN DEVELOPMENT
04/11/2025	50% CONSTRUCTION DOCUMENTS
07/18/2025	100% CONSTRUCTION DOCUMENTS
08/06/2025	DSA V1
12/05/2025	DSA V2
03/20/2026	DSA V3

REVISION DATE	DESCRIPTION
2. 6/2/2026	PC RESUBMITTAL

DRAWING TITLE
PLUMBING SITE PLAN

5PS1.01

SCALE: AS INDICATED
 PLOT DATE



PLUMBING SITE PLAN SCALE 1/16" = 1'0" 1

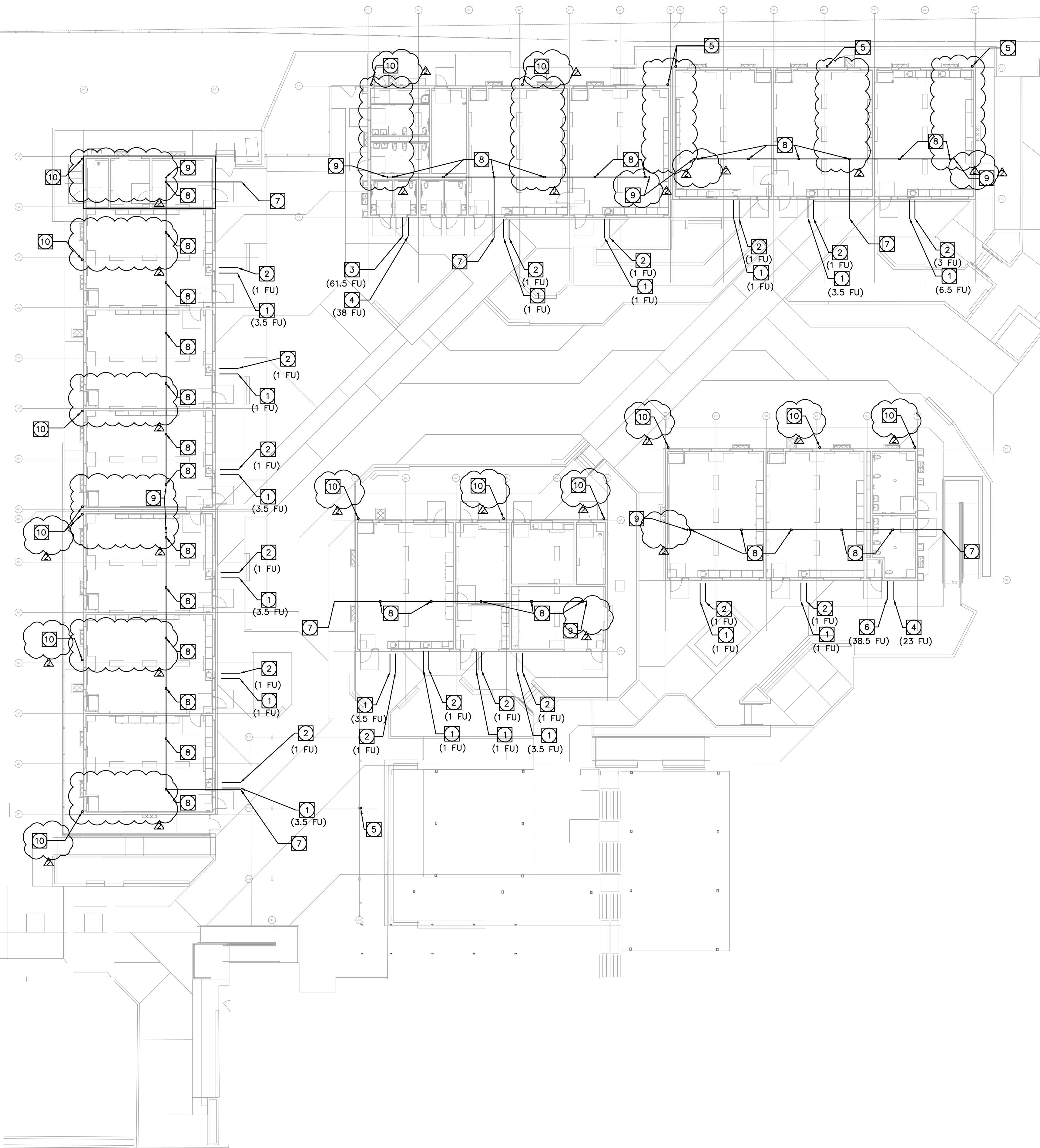
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GENERAL NOTES

- A. CONTRACTOR SHALL FIELD VERIFY WITH MODULAR BUILDING MANUFACTURER EXACT LOCATION OF ALL PIPING AND UTILITIES PRIOR TO START OF WORK. IN THE EVENT OF ANY DISCREPANCIES OR POTENTIAL CONFLICTS, NOTIFY THE ARCHITECT AND ENGINEER IN WRITING PRIOR TO START OF WORK.
- B. ALL PIPING LOCATIONS ARE DIAGRAMMATIC. CONTRACTOR SHALL COORDINATE WITH ALL TRADES AND OWNER'S REPRESENTATIVE AND VERIFY EXACT ROUTING PRIOR TO START OF WORK.
- C. CONTRACTOR TO VERIFY ONSITE THE EXACT LOCATION OF WATER POINT OF CONNECTION. ANY DISCREPANCIES OR POTENTIAL CONFLICTS, NOTIFY THE ARCHITECT AND ENGINEER IN WRITING PRIOR TO START OF WORK.
- D. REFER TO AMS DRAWINGS FOR ALL PLUMBING FIXTURES AND PIPING LAYOUT.
- E. ROOF DRAIN DOWNSPOUT SIZING PER 2022 CPC TABLE 1103.1 WITH A RAINFALL RATE OF 5" PER HOUR.
- F. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR POINT OF CONNECTION AND FOUNDATION SLEEVES. DRAWINGS PROVIDED PRIOR TO START OF FOUNDATION CONSTRUCTION.

KEYNOTES

- 1 3/4" DOMESTIC WATER IN VALVE BOX. SEE DETAIL 1/5PS2.00. FOR CONTINUATION SEE CIVIL.
- 2 2" WASTE W/ CLEAN OUT TO GRADE. SEE DETAIL 2/5PS2.00. FOR CONTINUATION SEE CIVIL.
- 3 2" DOMESTIC WATER IN VALVE BOX. SEE DETAIL 1/5PS2.00. FOR CONTINUATION SEE CIVIL.
- 4 4" WASTE W/ CLEAN OUT TO GRADE. SEE DETAIL 2/5PS2.00. FOR CONTINUATION SEE CIVIL.
- 5 3" DOWNSPOUT. TERMINATE 6" AFF.
- 6 1-1/2" DOMESTIC WATER IN VALVE BOX. SEE DETAIL 1/5PS2.00. FOR CONTINUATION SEE CIVIL.
- 7 SITE CONTRACTOR TO CONNECT 3" STORM DRAIN UNDER BUILDING. FOR CONTINUATION SEE CIVIL.
- 8 AREA DRAIN (AD-1) UNDER AMS UNIT.
- 9 PROVIDE CLEAN OUT.
- 10 3" DOWNSPOUT. SEE 5PS1.01.



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PARADISE CANYON E.S.
PACKAGE 5 - NEW NORTH BUILDINGS
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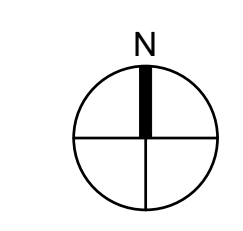
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DRAWING TITLE
PLUMBING FIRST FLOOR PLAN

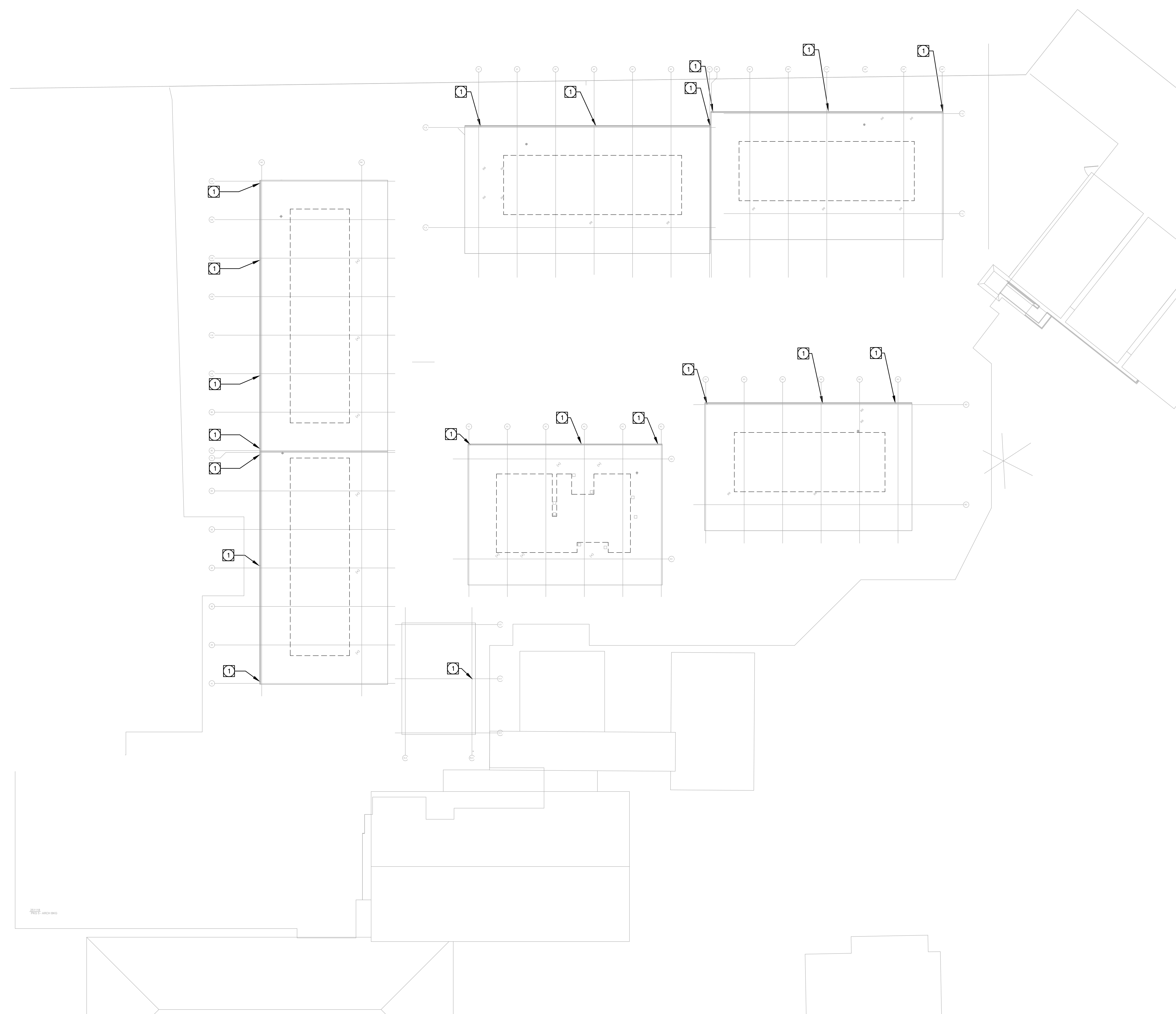
5PS1.10

SCALE: AS INDICATED
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PLUMBING FIRST FLOOR PLAN SCALE 1/16"=1'-0" 1

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GENERAL NOTES

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- B. ALL PIPING LOCATIONS ARE DIAGRAMMATIC. CONTRACTOR SHALL COORDINATE WITH ALL TRADES AND OWNER'S REPRESENTATIVE AND VERIFY EXACT ROUTING PRIOR TO START OF WORK.
- C. CONTRACTOR TO VERIFY ONSITE THE EXACT LOCATION OF WATER POINT OF CONNECTION. ANY DISCREPANCIES OR POTENTIAL CONFLICTS, NOTIFY THE ARCHITECT AND ENGINEER IN WRITING PRIOR TO START OF WORK.
- D. REFER TO AMS DRAWINGS FOR ALL PLUMBING FIXTURES AND PIPING LAYOUT.
- E. ROOF DRAIN DOWNSPOUT SIZING PER 2022 CPC TABLE 1103.1 WITH A RAINFALL RATE OF 5" PER HOUR.
- F. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR POINT OF CONNECTION AND FOUNDATION SLEEVES. DRAWINGS PROVIDED PRIOR TO START OF FOUNDATION CONSTRUCTION.
- G. DOWNSPOUTS TO BE FURNISHED AND INSTALLED BY AMS. SITE CONTRACTOR TO CONNECT TO SITE DRAINAGE AND TO PROVIDE CLEANOUTS.

KEYNOTES

① 3" DOWNSPOUT.

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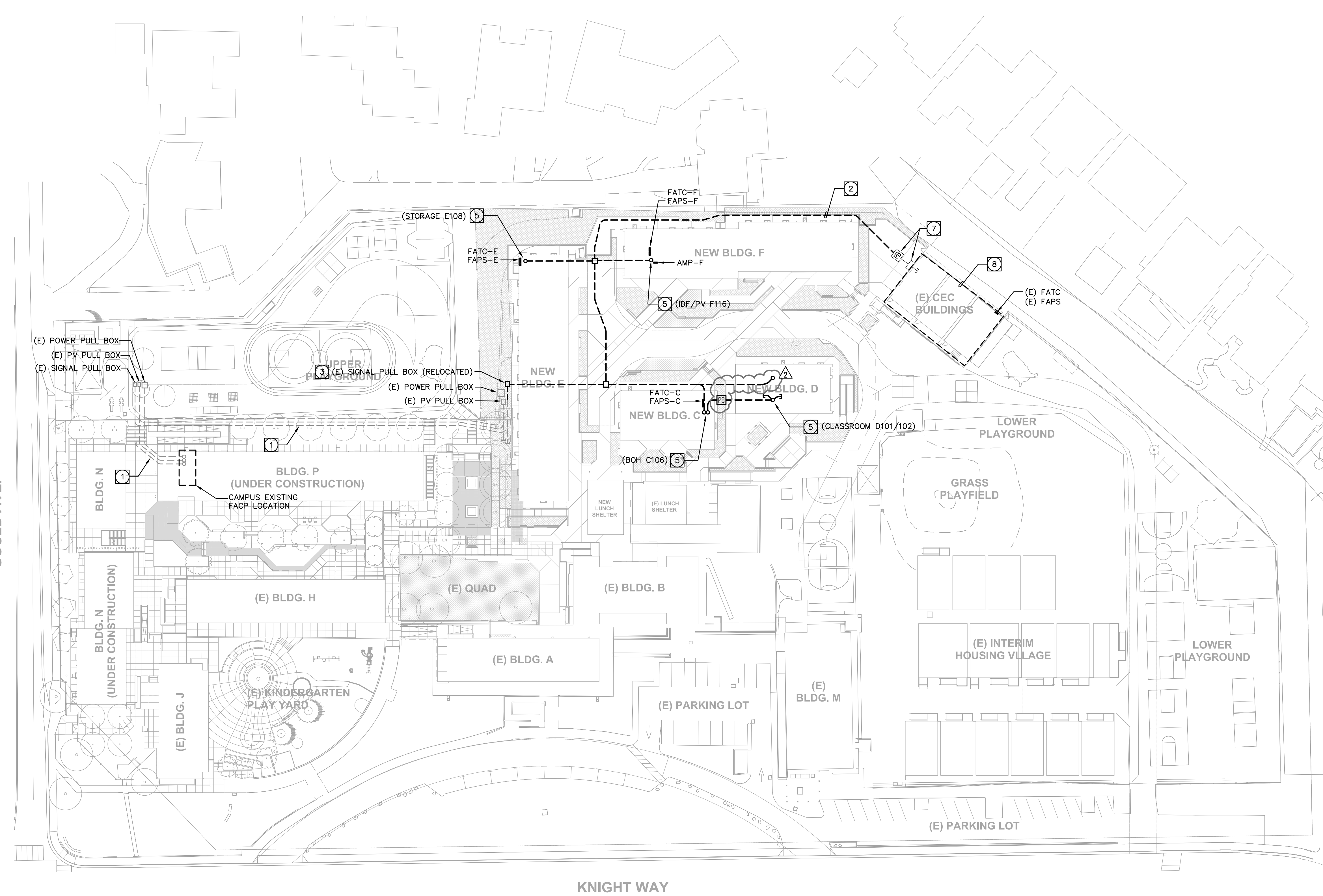
DRAWING TITLE
PLUMBING ROOF PLAN

5PS1.2

SCALE: AS INDICATED
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PLUMBING ROOF PLAN SCALE 1/16"=1'-0" **1**

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SITE GENERAL NOTES

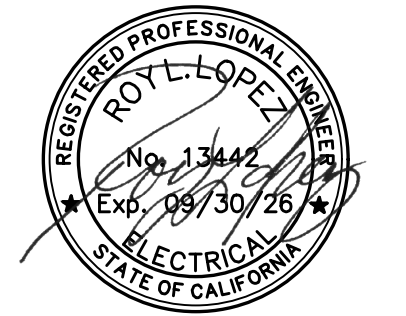
- ELECTRICAL DRAWINGS ILLUSTRATE LOCATIONS OF FIXTURES AND ASSEMBLIES, PULL BOXES, MANHOLES, HANDHOLES AND VAULTS, INCLUDING OTHER ELECTRICAL UNDERGROUND STRUCTURES AND PATHWAYS. CONTRACTOR SHALL CLOSELY COORDINATE EXACT LOCATIONS AND MOUNTING DEPTHS OF ALL DEVICES, STRUCTURES AND PATHWAYS WITH OTHER TRADES PRIOR TO PLACEMENT. TO ENSURE FINAL LOCATIONS ARE OUTSIDE CRITICAL LANDSCAPE IN ARCHITECTURAL AREAS AND NOT IN CONFLICT WITH THE INSTALLATION OF MATERIALS BY OTHER TRADES.
- MINIMUM CONDUIT SIZE SHALL BE 1" - U.O.N.
- ALL SITE BRANCH CIRCUITS SHALL INCLUDE AN EQUIPMENT GROUNDING CONDUCTOR THAT, AT MINIMUM, ARE ROUTED/GROUPED TOGETHER. THE EQUIPMENT GROUNDING CONDUCTOR SHALL MATCH THE SIZE OF THE LARGEST BRANCH CIRCUIT CONDUCTOR IN THE GROUP.
- ALL CONDUIT ONLY SHALL BE PROVIDED WITH A NYLON PULL STRING.
- SEE ARCHITECTURAL/LANDSCAPE ARCHITECT PLANS FOR EXACT LOCATIONS OF FIXTURES, PULL BOXES, MANHOLES, OTHER ELECTRICAL DEVICES, ETC. COORDINATE ALL UNDERGROUND STRUCTURES AND CONDUIT ROUTING WITH LANDSCAPE ARCHITECT PRIOR TO ROUGH IN TO ENSURE SUCH ITEMS ARE NOT PLACED IN CRITICAL PLANTING HARDSCAPE AREAS.
- FOR ALL ADDITIONAL REQUIREMENTS, SEE FIRE ALARM BLOCK/RISE DIAGRAM.

KEY NOTES

- (E) 2" C FOR FIRE ALARM
- NEW UNDERGROUND CONDUIT - 2" C (FIRE ALARM)
- FLUSH IN GRADE LOW VOLTAGE PULL BOX INSTALLED AS PART OF 2-STORY MODULAR BUILDING SCOPE.
- NEW 2"X3" DEPTH AS REQUIRED FLUSH IN GRADE PULL BOX. MARK LID "FIRE ALARM"
- STUB CONDUITS UP INTO INDICATED ROOM AT WALL FOR CONNECTION TO FATC/FAPS/AMP PER FIRE ALARM BLOCK DIAGRAM AND FLOOR PLANS.
- PROVIDE 12"SQ X 8"D NEMA 3R PULL BOX SURFACE MOUNTED ON EXTERIOR FO MODULAR BUILDING PER DETAIL XX, SHEET XX.
- EXISTING FLUSH IN GRADE PULL BOX AND CONDUITS.
- EXISTING (3) RELOCATABLE CLASSROOMS TO REMAIN CURRENTLY FED FROM EXISTING INTERIM HOUSING (A#03-125102) RECONNECT FIRE ALARM SYSTEM TO BUILDING F FIRE ALARM SYSTEM AND EXISTING CAMPUS FIRE ALARM SYSTEM PRIOR TO REMOVAL OF EXISTING INTERIM HOUSING VILLAGE. SEE FLOOR PLAN FOR SCOPE OF WORK REQUIREMENTS.



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 Project No.: 2012-01629-05



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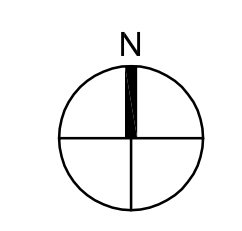
REVISION DATE	DESCRIPTION
08/02/2026	ADDENDUM 03

DRAWING TITLE

**FIRE ALARM
 SITE PLAN**

5EFA1.00

SCALE: AS INDICATED
 PLOT DATE



FIRE ALARM SITE PLAN SCALE 1"=40' 1

**FIRE ALARM SYSTEM
 COMPLETE SUBMITTAL**
 FIRE ALARM DESIGN, DOCUMENTATION AND PROJECT
 SUBMITTAL IN COMPLIANCE WITH DIVISION OF THE
 STATE ARCHITECT SUBMITTAL GUIDELINE IR A-21

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REFERENCES & ABBREVIATIONS

	DETAIL REFERENCE
	KEYNOTE REFERENCE
4SQ	4" SQUARE
A	AMPS
AC	ABOVE COUNTER
ACDC	ACCESS CONTROL DOOR CONTROLLER
ACPS	ACCESS CONTROL POWER SUPPLY
ADA	AMERICANS WITH DISABILITIES ACT
AFC	ABOVE FINISHED COUNTER
AFCI	ARC FAULT CIRCUIT INTERRUPTER
AFB	ABOVE FINISH FLOOR
AFG	ABOVE FINISH GRADE
AMS	AMERICAN MODULAR SYSTEMS
AWG	AMERICAN WIRE GAUGE
BDF	BUILDING DISTRIBUTION FRAME
BEP	BUILDING ENTRANCE PROTECTION
BLDG	BUILDING
C	CONDUIT
CAT	CATEGORY
CAT 6A	AUGMENTED CATEGORY 6
CBC	CALIFORNIA BUILDING CODE
CCTV	CLOSED CIRCUIT TELEVISION
CEC	CALIFORNIA ELECTRICAL CODE
CFC	CALIFORNIA FIRE CODE
CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED
CKT	CIRCUIT
CLG	CEILING
CMH	COMMUNICATIONS MANHOLE
CHH	COMMUNICATIONS HAND HOLE
CO	CONDUIT ONLY W/PULL ROPE
CSFD	COMBINATION SMOKE/FIRE DAMPER
CT	CURRENT TRANSFORMER
CU	COPPER
(D)	DEMOLISH OR REMOVE
DIA	DIAMETER
DISC	DISCONNECT
DIST	DISTRIBUTION
(E)	EXISTING TO REMAIN
EC	ELECTRICAL CONTRACTOR
EF	EXHAUST FAN
EG	EQUIPMENT GROUND (GREEN)
EM	EMERGENCY
EMH	ELECTRIC MANHOLE/MAINTENANCE HOLE
EMS/EMCS	ENERGY MANAGEMENT CONTROL SYSTEM
EMT	ELECTRIC METALLIC TUBING
EOL	END OF LINE
(ER)	EXISTING TO BE RELOCATED
FA	FIRE ALARM
FLA	FULL LOAD AMPS
G	GROUND
GEC	GROUNDING ELECTRODE CONDUCTOR
GI	GROUND FAULT INTERRUPTER
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GRC/RGC	GALVANIZED RIGID CONDUIT
HP	HORSEPOWER
IDCP	INTRUSION DETECTION CONTROL PANEL
IDF	INTERMEDIATE DISTRIBUTION FRAME
IDAP	INTRUSION DETECTION ALARM PANEL
IDPS	INTRUSION DETECTION POWER SUPPLY
IMC	INTERMEDIATE METALLIC TUBING
K	DEGREES KELVIN
KMIL	THOUSAND CIRCULAR MILS
KVA	KILOVOLT AMPERES
KW	KILOWATT
KWH	KILOWATT HOUR
LCL	LONG CONTINUOUS LOAD
M	METER
MAX	MAXIMUM
MCA	MINIMUM CIRCUIT AMPS
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MCM	THOUSAND CIRCULAR MILS
MDF	MAIN DISTRIBUTION FRAME
MFR/MFR	MANUFACTURER
MH	MOUNTING HEIGHT
MIN	MINIMUM
MLO	MAIN LUGS ONLY
MM	MULTIMODE
MOCIP	MAXIMUM OVERCURRENT PROTECTION
MTD	MOUNTED
(N)	NEW
NEC	NATIONAL ELECTRICAL CODE
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OC	ON CENTER
OFC	OPTICAL FIBER CABLE
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OH	OVER HEAD
PA	PUBLIC ADDRESS
PC	PHOTOCELL
PDU	POWER DISTRIBUTION UNIT
PR	PRIMARY
PTZ	PAN-TILT-ZOOM
PVC	POLYVINYL CHLORIDE
(R)	RELOCATED
REF	REFERENCE
RGS	RIGID GALVANIZED STEEL
RU	RACK UNIT
SCC	SHORT CIRCUIT CURRENT
SEC	SECONDARY
SM	SINGLEMODE
SPD	SURGE PROTECTIVE DEVICE
SQ	SQUARE
ST	SHUNT TRIP
TEL	TELEPHONE
TGB	TELECOMMUNICATIONS GROUNDING BAR
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
UTP	UNSHIELDED TWISTED PAIR
V	VOLTS
VA	VOLT AMPS
VD	VOLTAGE DROP
VL	VERIFY LOCATION
WP	WEATHERPROOF
(X)	EXISTING TO BE DEMOLISHED
XFR	TRANSFORMER

GENERAL SYMBOLS	
SYMBOLS	DESCRIPTION
	HOMERUN TO DESTINATION AS INDICATED
	CONDUIT DROP WITHIN BUILDING WALL
	CONDUIT RISER WITHIN BUILDING WALL
	CONDUIT STUB
	CONDUIT CONTINUATION
	GROUND CONNECTION SIZED AS INDICATED OR PER NEC ARTICLE 250

DRAWING INDEX	
5E50.01	SECURITY SYMBOLS, ABBREVIATIONS AND DRAWING INDEX
5E50.02	SECURITY GENERAL NOTES AND SPECIFICATIONS
5E50.03	SECURITY SCOPE RESPONSIBILITY MATRIX
5E50.04	ACCESS CONTROL SYSTEM NOTES & DETAILS
5E50.05	VIDEO SURVEILLANCE SYSTEM NOTES & DETAILS
5E52.01	BUILDINGS C & D - SECURITY FLOOR PLAN
5E52.02	BUILDING E - SECURITY FLOOR PLAN
5E52.03	BUILDING F - SECURITY FLOOR PLAN

VIDEO SURVEILLANCE SYSTEM SYMBOLS			
SYMBOLS	DESCRIPTION	DEVICE AND CABLING REQUIREMENTS	BACKBOX AND CONDUIT REQUIREMENTS
	IP CAMERA, CEILING-MOUNTED (YY = CAMERA LABEL/NUMBER)	PROVIDE (1) CAT 6A CABLE TO DESIGNATED IDF. TERMINATE CABLE IN 1-PORT SURFACE MOUNT AT CAMERA END. TERMINATE CABLE ON RACK-MOUNTED CAT 6A PATCH PANEL IN IDF.	4"SQ x 2-1/8"D RECESSED CEILING-MOUNTED BACKBOX, DUAL-GANG MUD-RING AND 1" CONDUIT TO IDF OR NEAREST ACCESSIBLE CEILING SPACE. PROVIDE STAINLESS STEEL BLANK FACEPLATE.
	IP CAMERA, WALL-MOUNTED (XX = MOUNTING HEIGHT)	PROVIDE (1) CAT 6A CABLE TO DESIGNATED IDF. TERMINATE CABLE IN 1-PORT SURFACE MOUNT AT CAMERA END. TERMINATE CABLE ON RACK-MOUNTED CAT 6A PATCH PANEL IN IDF.	4"SQ x 2-1/8"D RECESSED BACKBOX, DUAL-GANG MUD-RING AND 1" CONDUIT TO IDF OR NEAREST ACCESSIBLE CEILING SPACE. PROVIDE STAINLESS STEEL BLANK FACEPLATE. CONFIRM MOUNTING HEIGHT WITH DISTRICT/ARCHITECT PRIOR TO INSTALLATION.
NOTE: IP CAMERAS AND ASSOCIATED CABLING SHALL BE OFOI. REFER TO THE SECURITY SCOPE RESPONSIBILITY MATRIX ON SHEET 5E50.03 FOR ADDITIONAL REQUIREMENTS.			

ACCESS CONTROL SYMBOLS			
SYMBOLS	DESCRIPTION	DEVICE AND CABLING REQUIREMENTS	BACKBOX AND CONDUIT REQUIREMENTS
	VERKADA AC42 DOOR CONTROLLER	PER SPECIFICATION SECTION 28 1000 AND ACCESS CONTROL DETAILS ON SHEET 5E50.04	N/A
	POWER SUPPLY	PER SPECIFICATION SECTION 28 1000 AND ACCESS CONTROL DETAILS ON SHEET 5E50.04	N/A
	SCHLAGE AD-300 WIRED ELECTRONIC DOOR LOCK PER DOOR HARDWARE SPECS	PER SPECIFICATION SECTION 28 1000 AND ACCESS CONTROL DETAILS ON SHEET 5E50.04	SEE ACCESS CONTROL DETAILS ON SHEET 5E50.04
NOTE: REFER TO SECURITY SCOPE RESPONSIBILITY MATRIX ON SHEET 5E50.03 FOR SYSTEM SCOPE AND RESPONSIBILITY REQUIREMENTS.			

APPLICABLE CODE: 2022 CBC

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 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 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 110/220 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.

APPLICABLE CODE: 2022 CBC PER IR 16-13.

MEP DISTRIBUTION SYSTEM BRACING NOTE FOR PIPING, DUCTWORK, AND ELECTRICAL CONDUIT

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7 SECTION 13.3 AS DEFINED IN ASCE 7 SECTIONS 13.6.5, 13.6.6, 13.6.7, AND 13.6.8; AND 2022 CBC SECTIONS 1617A.1.24, 1617A.1.25, AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEMS ARE AS NOTED BELOW. THE MEP DESIGN PROFESSIONAL ENGINEER RESPONSIBLE FOR CONTENT ON THESE SHEETS HAS VERIFIED THAT THE DESIGN METHODS IDENTIFIED BELOW ARE IN ACCORDANCE WITH DSA IR 16-13.

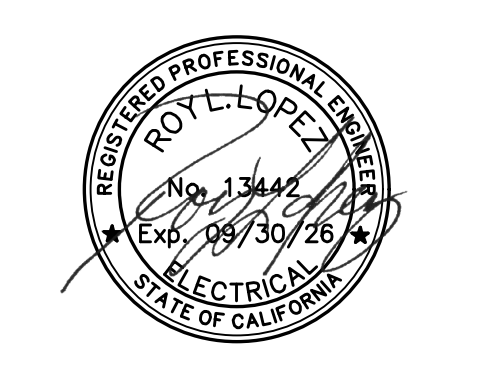
- MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):
- MP MD PP E OPTION 1: PROJECT-SPECIFIC DESIGN.
- MP MD PP E OPTION 2: DESIGN BASED ON OSHPD OPM, WITHIN PROJECT SUBMITTAL.
- MP MD PP E OPTION 3: DESIGN BASED ON OSHPD OPM, DEFERRED SUBMITTAL.

Practice

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REVISION DATE	DESCRIPTION
2 06/02/2026	ADDENDUM 3

SECURITY SYMBOLS, ABBREVIATIONS & DRAWING INDEX

5E50.01

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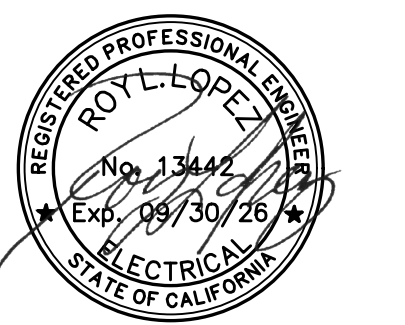
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03/20/2026	DSA V3

REVISION DATE	DESCRIPTION
2 06/02/2026	ADDENDUM 3

DRAWING TITLE

SECURITY SCOPE RESPONSIBILITY MATRIX

5ES0.03

VIDEO SURVEILLANCE SYSTEM					
PRODUCT	FURNISHED BY		INSTALLED BY		NOTES
	DISTRICT	CONTRACTOR	DISTRICT	CONTRACTOR	
DEVICE ROUGH-IN	N/A		N/A		SEE NOTE 1
CABLING, LABELING AND IDENTIFICATION	■		■		SEE NOTE 2
VERKADA IP CAMERAS AND COMPATIBLE MOUNTS	■		■	△	
INSTALLATION OF CAMERAS, LICENSING AND PROGRAMMING	■		■		

ACCESS CONTROL SYSTEM					
PRODUCT	FURNISHED BY		INSTALLED BY		NOTES
	DISTRICT	CONTRACTOR	DISTRICT	CONTRACTOR	
DEVICE ROUGH-IN	N/A		N/A		SEE NOTE 1
SCHLAGE ELECTRONIC NETWORKED HARDWIRED DOOR LOCKS	■		■		
CABLING, LABELING AND IDENTIFICATION	■		■		
ACCESS CONTROL DOOR CONTROLLER (ACDC)	■		■		
ACCESS CONTROL POWER SUPPLY (ACPS)	■		■		
PROGRAMMING, TESTING AND INTEGRATION WITH OTHER SYSTEMS	N/A		■		

NOTES:

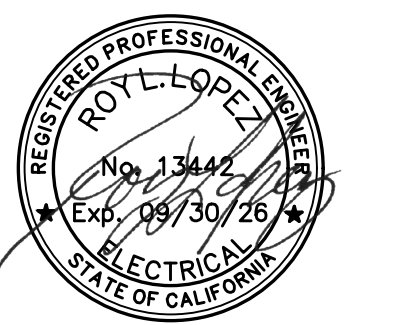
- ALL WALL MOUNTED DEVICE ROUGH-IN BOXES, CONDUITS WITHIN WALLS, CONDUIT SLEEVES ABOVE CEILING AND CONDUIT SLEEVES THROUGH FLOORS SHALL BE PROVIDED AND INSTALLED BY THE BUILDING MANUFACTURER.
- CABLING TO BE PROVIDED UNDER SPECIFICATION SECTION 27 1000 TELECOMMUNICATIONS SYSTEM.



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8825 Research Drive
Irvine, CA 92618

Project No.: 2022-01629-05



PARADISE CANYON E.S.

PACKAGE 5 - NEW NORTH BUILDINGS

471 KNIGHT WAY, LA CAÑADA FLINTRIDGE, CA 91011

PROJECT NUMBER 20911



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12/05/2025	DSA V2
03/20/2026	DSA V3

REVISION DATE	DESCRIPTION
2 06/02/2026	ADDENDUM 3

DRAWING TITLE

TELECOM SCOPE RESPONSIBILITY MATRIX

5ET0.03

TELECOMMUNICATIONS SYSTEM					
PRODUCT	FURNISHED BY		INSTALLED BY		NOTES
	DISTRICT	CONTRACTOR	DISTRICT	CONTRACTOR	
PATHWAYS FOR BACKBONE CABLING		■		■	
BACKBONE CABLING	■		■		
DEVICE ROUGH-IN AND PATHWAYS FOR HORIZONTAL CABLING (WITHIN BUILDINGS)	N/A		N/A		SEE NOTE 1
DEVICES AND HORIZONTAL CABLING	■		■		
WIRELESS ACCESS POINTS	■		■		
WALL-MOUNTED IDF ENCLOSURES, GROUNDING AND BONDING OF EQUIPMENT RACKS AND CONDUITS, FIBER CABINETS AND RACK-MOUNT POWER STRIPS.		■		■	
LADDER TRAYS FOR ROUTING OF HORIZONTAL CABLING.		■		■	
NETWORK SWITCHES, DESKTOP COMPUTERS, LAPTOPS, TELEPHONES, TABLETS, UPS	■		■		

CLASSROOM AV SYSTEM					
PRODUCT	FURNISHED BY		INSTALLED BY		NOTES
	DISTRICT	CONTRACTOR	DISTRICT	CONTRACTOR	
DEVICE ROUGH-IN	N/A		N/A		SEE NOTE 1
DEVICES, CABLING, LABELING/IDENTIFICATION AND TESTING	■		■		
ULTRA SHORT-THROW VIDEO PROJECTOR AND PROJECTOR MOUNT	■		■		
AV EQUIPMENT INCLUDING, BUT NOT LIMITED TO, CEILING MOUNTED ENCLOSURE, AV SWITCHER, WIRELESS MICROPHONE SYSTEM, AV CONTROL PANEL, SPEAKERS)	■		■		
PROGRAMMING, TESTING AND INTEGRATION WITH OTHER SYSTEMS	■		■		

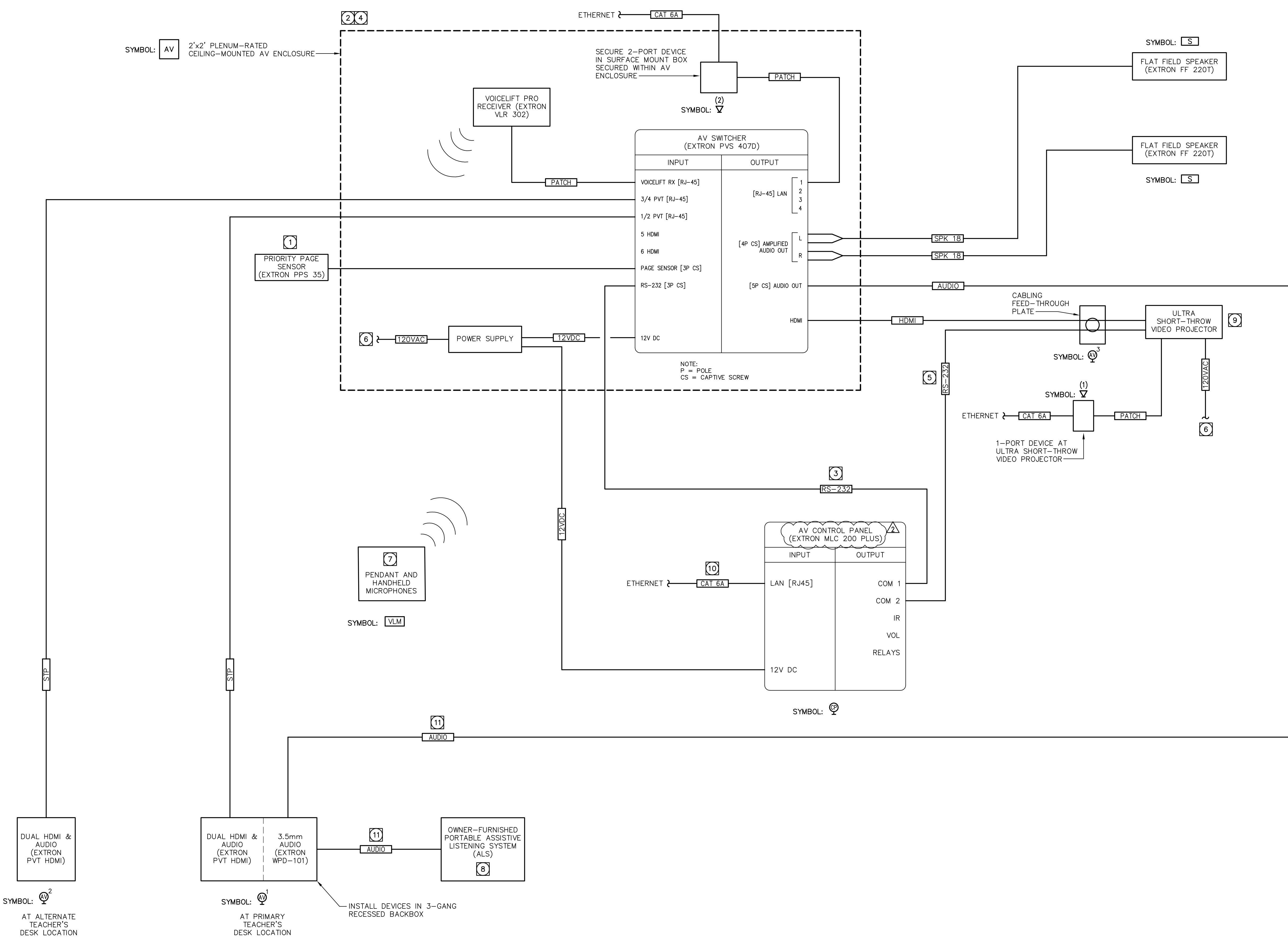
IP INTERCOM CLOCK SYSTEM					
PRODUCT	FURNISHED BY		INSTALLED BY		NOTES
	DISTRICT	CONTRACTOR	DISTRICT	CONTRACTOR	
DEVICE ROUGH-IN	N/A		N/A		SEE NOTE 1
CABLING, LABELING/IDENTIFICATION AND TESTING	■		■		SEE NOTE 2
DEVICES AND EQUIPMENT INCLUDING, BUT NOT LIMITED TO, INTERCOM CLOCK SPEAKER COMBOS, CALL SWITCHES, CLOCKS, INDOOR AND OUTDOOR SPEAKERS	■		■		
SERVER & SOFTWARE PROGRAMMING, TESTING AND INTEGRATION WITH OTHER SYSTEMS	■		■		

ASSISTIVE LISTENING SYSTEM					
PRODUCT	FURNISHED BY		INSTALLED BY		NOTES
	DISTRICT	CONTRACTOR	DISTRICT	CONTRACTOR	
DEVICES AND EQUIPMENT	N/A		N/A		SEE NOTE 3
ASSISTIVE LISTENING SIGNS		■		■	

TELEPHONE SYSTEM					
PRODUCT	FURNISHED BY		INSTALLED BY		NOTES
	DISTRICT	CONTRACTOR	DISTRICT	CONTRACTOR	
CABLING, DEVICES AND EQUIPMENT	■		■		

NOTE:

- ALL WALL MOUNTED DEVICE ROUGH-IN BOXES, CONDUITS WITHIN WALLS, CONDUIT SLEEVES ABOVE CEILING AND CONDUIT SLEEVES THROUGH FLOORS SHALL BE PROVIDED AND INSTALLED BY THE BUILDING MANUFACTURER.
- CABLING TO BE PROVIDED UNDER SPECIFICATION SECTION 27 1000 TELECOMMUNICATIONS SYSTEM.
- ALL DEVICES/EQUIPMENT SHALL BE FURNISHED BY THE DISTRICT.



SHEET NOTES

- REFERENCE SHEET ET0.01 FOR ABBREVIATIONS, GENERAL NOTES, DEVICE SYMBOL DEFINITIONS AND ROUGH-IN REQUIREMENTS.
- REFERENCE SHEET ET0.02 FOR SCOPE RESPONSIBILITY MATRIX.
- PROVIDE EXTRON WALLVAULT CLASSROOM AV SYSTEM WITH SOURCE INPUT SWITCHING AND CONTROL TO INTEGRATE DIGITAL AND ANALOG VIDEO SOURCES. SYSTEM SHALL USE TWISTED PAIR CABLING FOR TRANSMITTING SIGNALS AND SHALL INCLUDE NETWORK CONNECTIVITY FOR WEB-BASED AV RESOURCE MANAGEMENT, MONITORING, AND CONTROL. THE AV SYSTEM SHALL INCLUDE ALL THE NECESSARY AUDIO AND VIDEO SWITCHING, AUDIO AMPLIFICATION, SYSTEM CONTROL, SOURCE CONNECTIVITY, SPEAKERS, MOUNTING HARDWARE, AND CABLING FOR A COMPLETE CLASSROOM AV SOLUTION.

CABLE LEGEND

- (NOTE: CABLES SHALL BE PLENUM-RATED WHERE REQUIRED BY CODE.)
- STP SHIELDED TWISTED PAIR (EXTRON XTP DTP 24)
 - RS-232 RS-232 CABLE
 - SPK 18 18 AWG/2-CONDUCTOR SPEAKER CABLE
 - CAT 6A CAT 6A 4-PAIR UTP CABLE
 - HDMI HDMI CABLE
 - 120VAC 120VAC POWER
 - 12VDC 12VDC POWER
 - AUDIO 3.5MM AUDIO CABLE
 - PATCH CAT 6A 4-PAIR UTP PATCH CORD

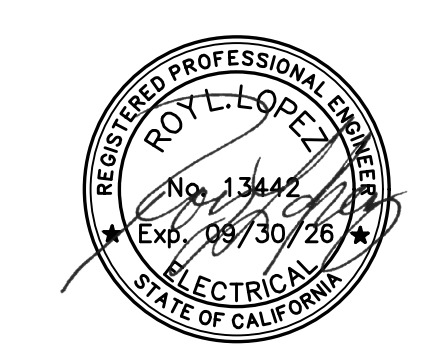
KEYNOTES

- INSTALL PRIORITY PAGE SENSOR (EXTRON PPS 35) ON FRONT GRILLE OF INTERCOM SPEAKER. THE CLASSROOM AUDIO SHALL BE MUTED DURING ANNOUNCEMENTS.
- INSTALL VOICELIFT PRO RECEIVER, AV SWITCHER AND POWER SUPPLY WITHIN EQUIPMENT ENCLOSURE.
- FOR CONTROL OF AV SWITCHER.
- PROVIDE 2'x2' PLENUM-RATED CEILING-MOUNTED ENCLOSURE TO HOUSE AV EQUIPMENT AS ILLUSTRATED IN THIS DIAGRAM.
- FOR CONTROL OF VIDEO PROJECTOR.
- TO POWER RECEPTACLE.
- PROVIDE WIRELESS MICROPHONE SYSTEM EXTRON VOICELIFT PRO FOR EACH CLASSROOM WITH THE FOLLOWING COMPONENTS:
PENDANT AND HANDHELD MIC: EXTRON VLM 3002H
CHARGING STATION: EXTRON VLR 302 (PRIMARY TEACHER'S DESK)
WIRELESS RECEIVER: EXTRON VLR 302 (CEILING AV ENCLOSURE)
- OWNER-FURNISHED OWNER-INSTALLED PORTABLE ASSISTIVE LISTENING SYSTEM KIT. REFERENCE DETAIL 6/5ET0.05 FOR REQUIRED MINIMUM NUMBER OF RECEIVERS AND MINIMUM NUMBER OF HEARING AID COMPATIBLE RECEIVERS PER BUILDING.
- ULTRA SHORT-THROW VIDEO PROJECTOR AND PROJECTOR MOUNT LOCATED ABOVE WHITEBOARD. PROJECTOR SHALL BE OWNER-FURNISHED CONTRACTOR-INSTALLED (OFC).
- TERMINATE (1) CAT 6A 4-PAIR UTP CABLE ON CAT 6A RJ-45 MODULAR PLUG AND CONNECT TO DEVICE.
- RETURN AUDIO FOR ASSISTIVE LISTENING SYSTEM.



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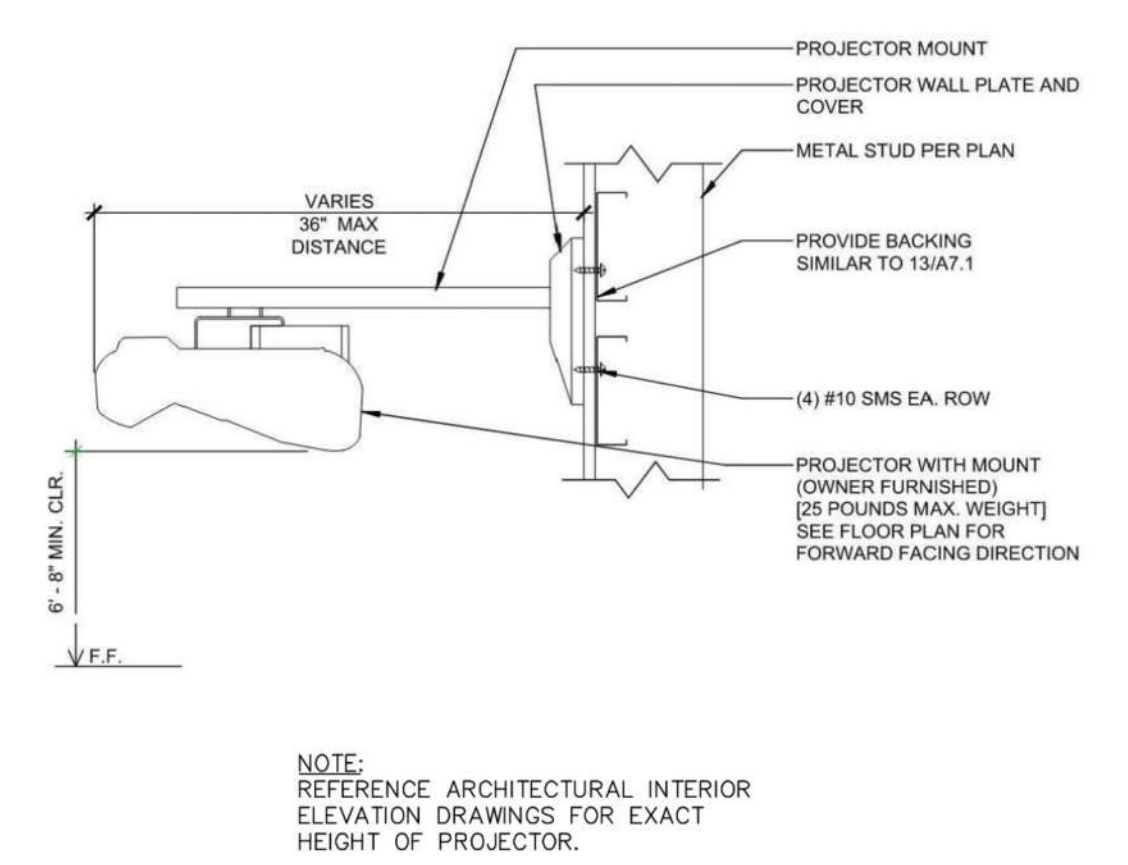
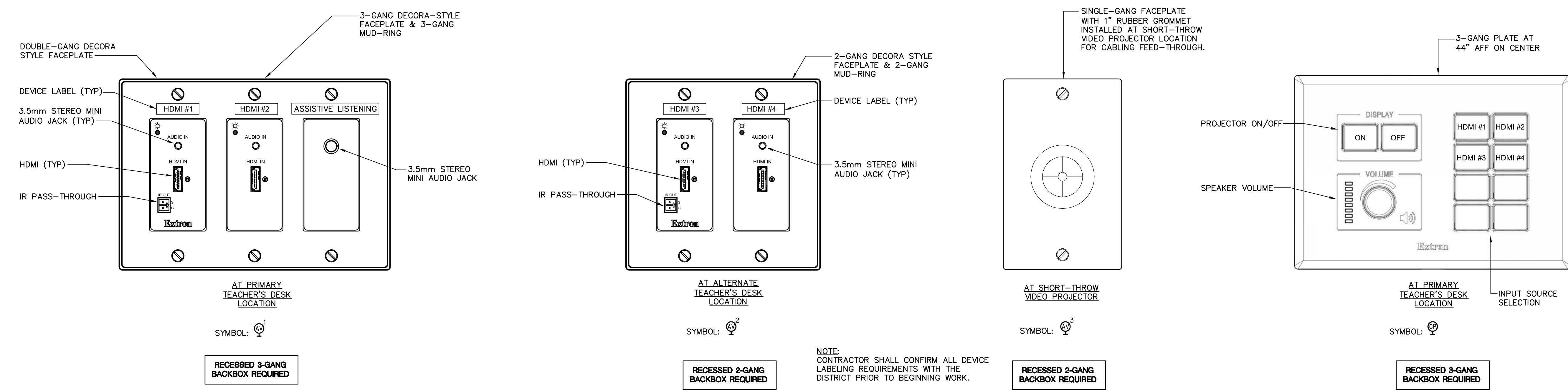
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TYPICAL CLASSROOM AUDIO VISUAL SYSTEM WIRING DIAGRAM SCALE NTS 1



NOTE: REFERENCE ARCHITECTURAL INTERIOR ELEVATION DRAWINGS FOR EXACT HEIGHT OF PROJECTOR.

TYPICAL CLASSROOM AV SYSTEM FACEPLATE DETAILS SCALE NTS 2

PROJECTOR MOUNTING DETAIL SCALE NTS 3

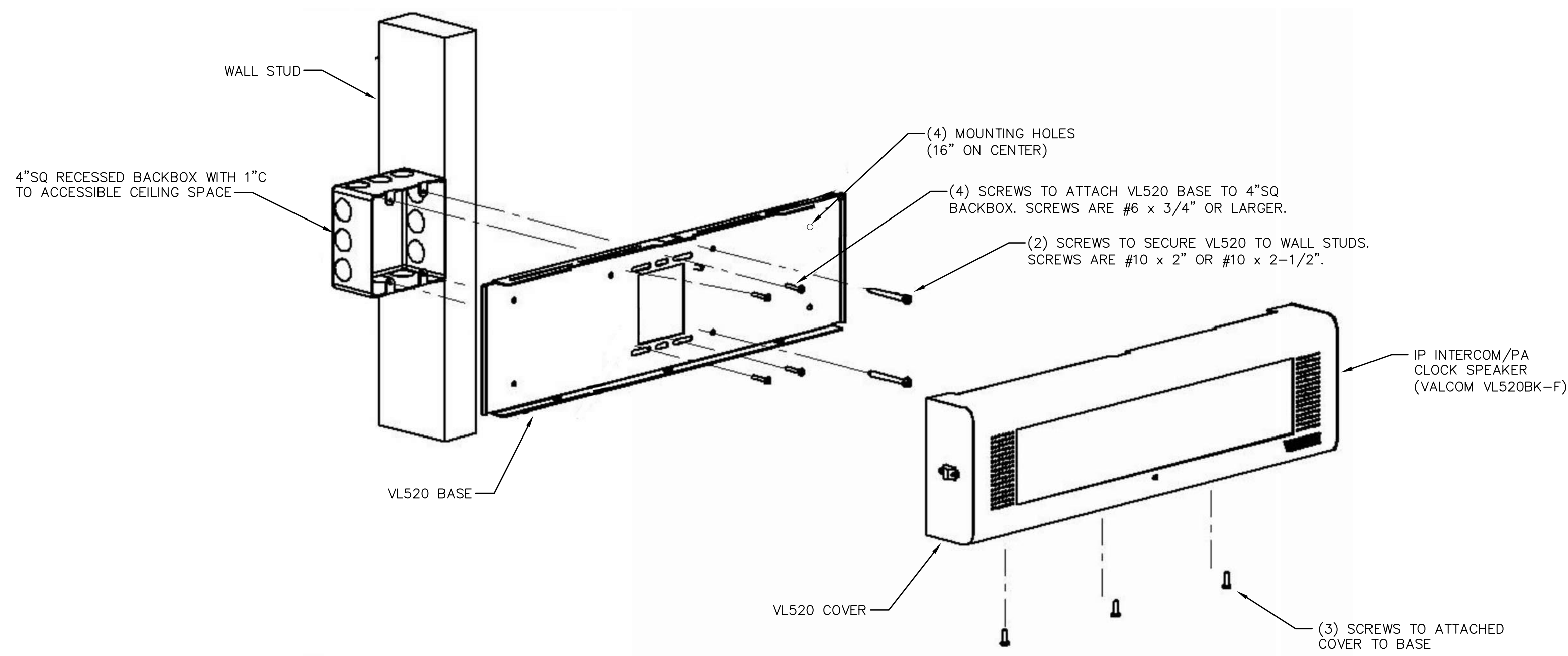
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REVISION DATE	DESCRIPTION
2 06/02/2026	ADDENDUM 3

DRAWING TITLE
AUDIO VISUAL SYSTEM NOTES & DETAILS
5ET0.04

SCALE: AS INDICATED
PLOT DATE

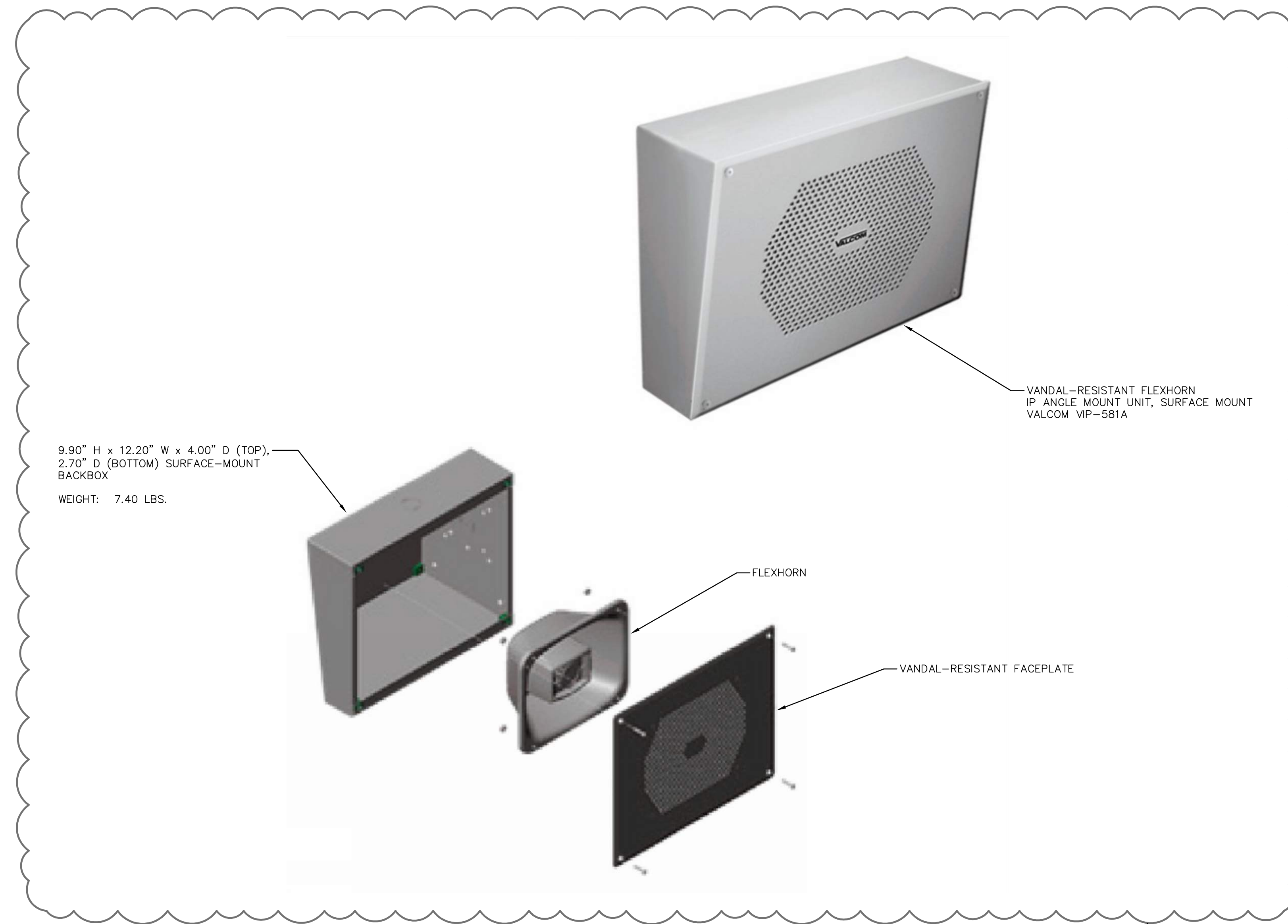
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SYMBOL ON DRAWINGS:

IP INTERCOM / PA CLOCK SPEAKER ASSEMBLY DETAIL

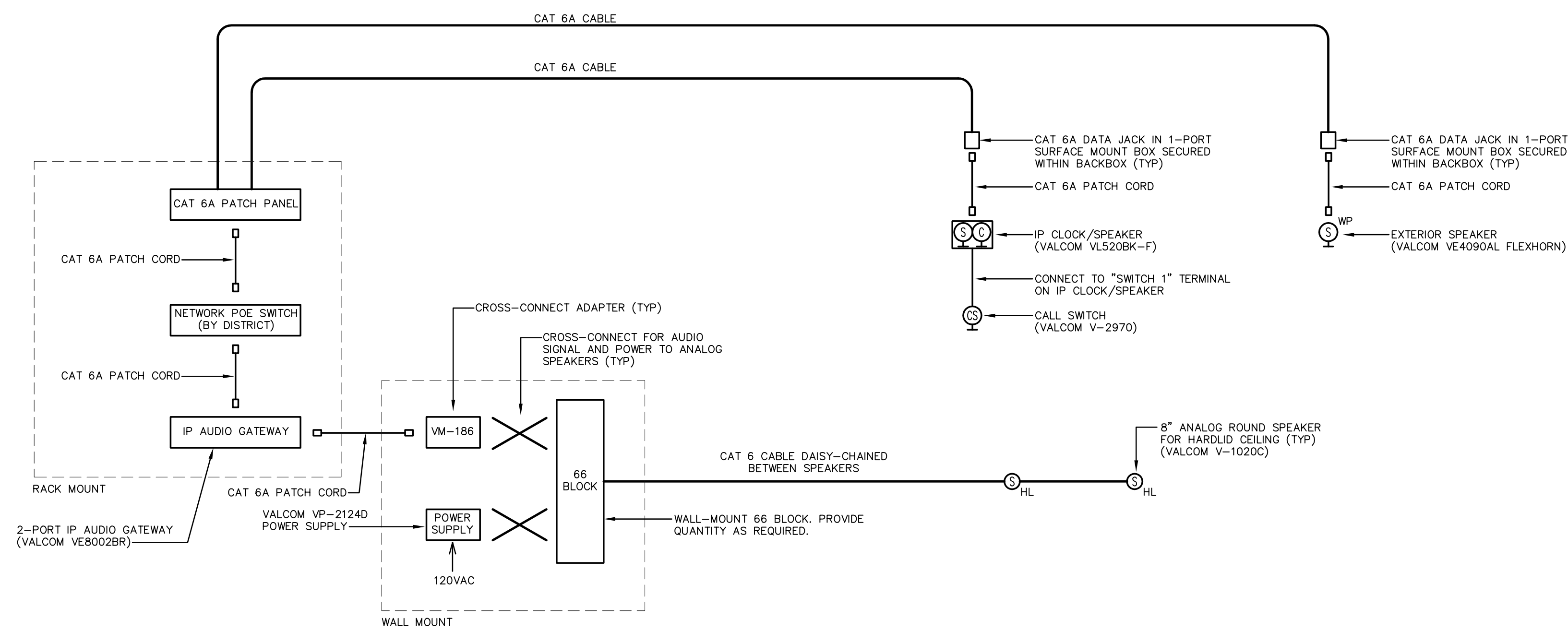
SCALE: 3
NTS



SYMBOL ON DRAWINGS:

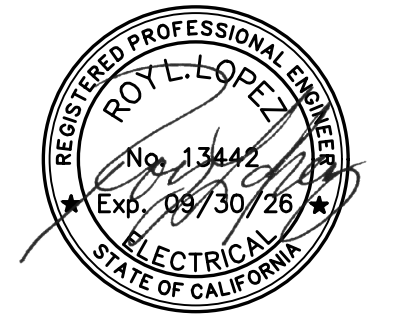
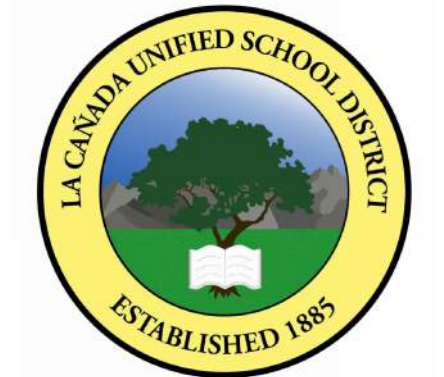
EXTERIOR INTERCOM / PA SPEAKER ASSEMBLY DETAIL (VALCOM VIP-581A)

SCALE: 2
NTS



TYPICAL INTERCOM WIRING DIAGRAM

SCALE: 1
NTS



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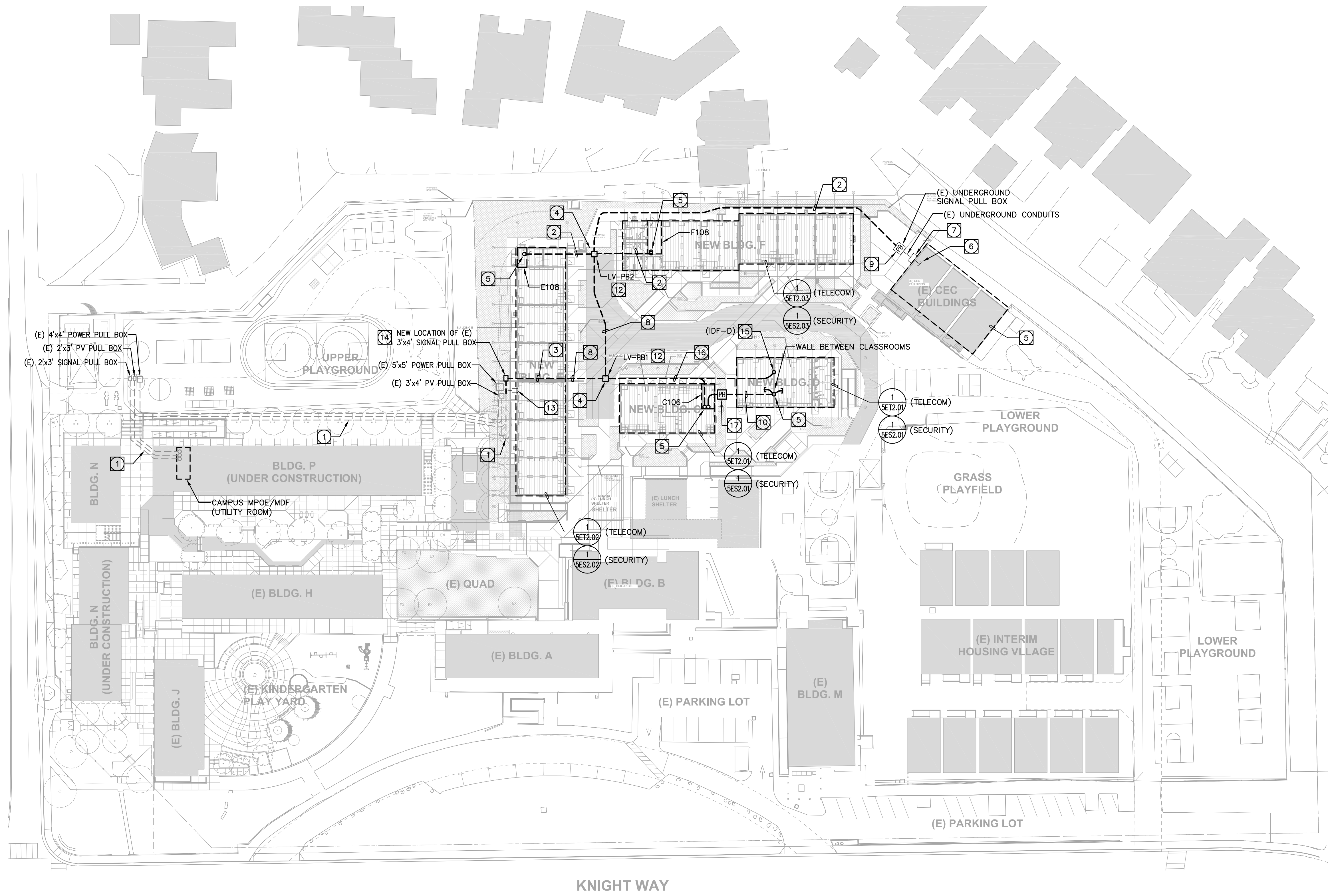
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03/20/2026	DSA V3

REVISION DATE	DESCRIPTION
2 06/02/2026	ADDENDUM 3

DRAWING TITLE
TELECOMMUNICATIONS DETAILS

5ET0.07

SCALE: AS INDICATED
PLOT DATE



SHEET NOTES

1. REFERENCE SHEET SET0.01 FOR TELECOM ABBREVIATIONS, DEVICE SYMBOL DEFINITIONS AND DRAWING INDEX.
2. REFERENCE SHEET SET0.02 FOR TELECOM GENERAL NOTES.
3. PROVIDE FIBER AND COPPER BACKBONE CABLING BETWEEN CAMPUS MPOE/MDF AND EACH NEW IDF. REFERENCE TELECOM ONE-LINE DIAGRAM ON SHEET SET0.10 FOR REQUIREMENTS.

KEYNOTES

- 1 (E) UNDERGROUND CONDUITS:
(5)3" - SIGNAL
(1)2" - FIRE ALARM
- 2 NEW UNDERGROUND LOW VOLTAGE CONDUITS:
(1)2" - TELECOM (FIBER)
(1)2" - TELECOM (COPPER)
(1)2" - TELECOM (SPARE)
(1)2" - FIRE ALARM
- 3 UNDERGROUND LOW-VOLTAGE CONDUITS CROSSING BENEATH THE PORTABLE CLASSROOM BUILDING SHALL BE COORDINATED WITH THE BUILDING MANUFACTURER (AMS), PROJECT STRUCTURAL ENGINEER, AND CIVIL ENGINEER. CONDUITS SHALL BE ROUTED THROUGH MANUFACTURER-APPROVED UTILITY OPENING LOCATIONS INDICATED ON AMS DRAWING S1.7. MAINTAIN REQUIRED CLEARANCES FROM ALL FOOTINGS, FOUNDATIONS, AND OTHER STRUCTURAL ELEMENTS. CONTRACTOR SHALL VERIFY FINAL ROUTING AND ELEVATIONS PRIOR TO INSTALLATION. LOW-VOLTAGE CONDUITS INCLUDE TECHNOLOGY AND FIRE ALARM SYSTEMS. REFER TO FIRE ALARM SITE PLAN SHEET SEFA1.00 FOR FIRE ALARM UNDERGROUND CONDUIT ROUTING.
- 4 PROVIDE NEW 4' X 4' X (DEPTH AS REQUIRED) FLUSH IN GRADE LOW VOLTAGE PULL BOX. PROVIDE BOLT DOWN COVER LABELED AS "SIGNAL".
- 5 LOW VOLTAGE POINT OF CONNECTION.
- 6 UTILIZE (E) CONDUIT SLEEVES FROM PULL BOX STUBBED INTO BUILDING.
- 7 UTILIZE (E) PULL BOX MOUNTED ON EXTERIOR OF MODULAR BUILDING FOR ROUTING OF NEW CABLING.
- 8 NEW UNDERGROUND CONDUITS:
(5)3" - SIGNAL
(1)2" - FIRE ALARM
- 9 CONNECT NEW CONDUITS TO (E) PULL BOX.
- 10 PROVIDE THE FOLLOWING UNDERGROUND CONDUITS BETWEEN BLDG "C" AND BLDG "D" AS FOLLOWS:
(1)2" - SECURITY
(1)2" - FIRE ALARM
(1)2" - SPARE
- 11 (E) (3) CLASSROOM CEC BUILDINGS TO REMAIN. RECONNECT ALL LOW VOLTAGE SYSTEMS TO (E) CAMPUS. SYSTEMS SHALL INCLUDE, BUT NOT LIMITED TO, VOICE/DATA, INTERCOM/PA/CLOCK, INTRUSION DETECTION AND ACCESS CONTROL. REFERENCE TELECOM ONE-LINE DIAGRAM ON SHEET SET0.09 FOR ADDITIONAL CABLING REQUIREMENTS. COORDINATE ALL WORK WITH DISTRICT.
- 12 PULL BOX NAME/NUMBER IS FOR IDENTIFICATION PURPOSES ONLY. CONFIRM EXACT REQUIREMENTS WITH DISTRICT.
- 13 (E) 3'x4' SIGNAL PULL BOX IS WITHIN FOOTPRINT OF NEW BUILDING E. RELOCATE PULL BOX AS INDICATED TO ACCOMMODATE CONSTRUCTION OF NEW BUILDING E.
- 14 INTERCEPT (E) CONDUITS AND EXTEND TO NEW LOCATION OF (E) SIGNAL PULL BOX.
- 15 ROUTE 2" CONDUIT UP (FOR FIBER) AND STUB INTO PULL BOX BEHIND WALL-MOUNTED IDF CABINET.
- 16 NEW UNDERGROUND LOW VOLTAGE CONDUITS:
(2)2" - TELECOM (FIBER)
(1)2" - TELECOM (COPPER)
(1)2" - TELECOM (SPARE)
(1)2" - FIRE ALARM
- 17 PROVIDE (2) 24"x24" DEPTH REQUIRED FLUSH IN GRADE PULL BOXES FOR FOR FIRE ALARM AND SIGNAL. PROVIDE BOLT DOWN COVERS LABELED AS "FIRE" AND "SIGNAL".



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03/20/2026	DSA V3

REVISION DATE	DESCRIPTION
2 06/02/2026	ADDENDUM 3

DRAWING TITLE
TELECOMMUNICATIONS SITE PLAN

5ET1.01

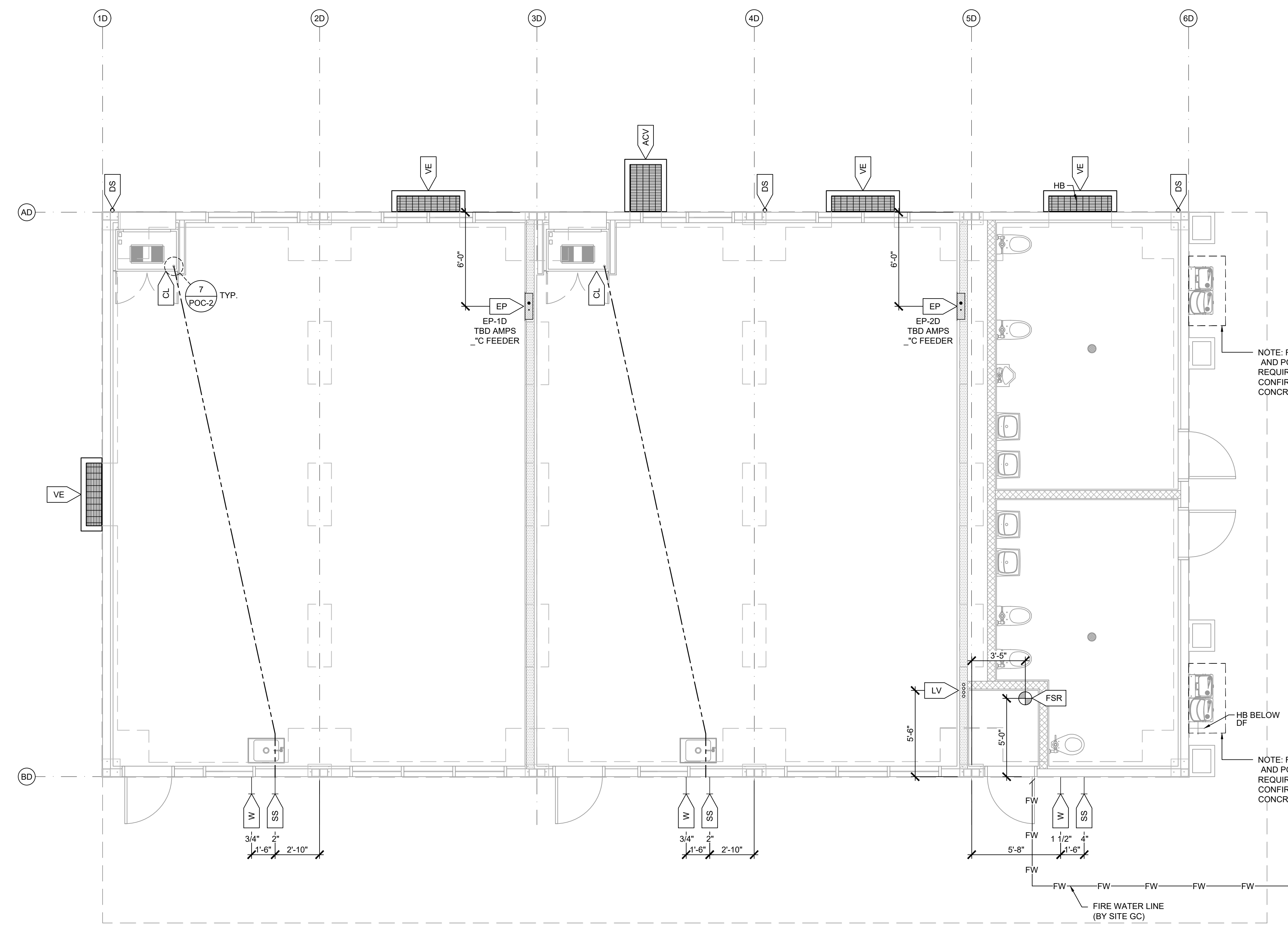
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LA CANADA USD
 PARADISE CANYON ES
 (2) 70'x36', (3) 84'x36'
 & (1) 98'x36' BUILDINGS

CUSTOMER:



NOTE: FLATWORK TO BE SET TO FF ELEVATION AND POURED FLAT IN THIS AREA TO MEET ADA REQUIREMENTS. SEE CIVIL DRAWINGS AND CONFIRM WITH PROJECT AOR PRIOR TO CONCRETE POUR.

NOTE: FLATWORK TO BE SET TO FF ELEVATION AND POURED FLAT IN THIS AREA TO MEET ADA REQUIREMENTS. SEE CIVIL DRAWINGS AND CONFIRM WITH PROJECT AOR PRIOR TO CONCRETE POUR.

Required Crawl Space Ventilation			
# of Modules	5		
Module Width	14		70 ft
Module Length	36		
Building Area (SF)	2520		
Interior Crawlspace (SF)	2128		
Use Class 1 Vapor Barrier?	NO		
Ventilation			
Vent Type	QTY	SF Per Vent	Total SF
A - 4'-0" x 12" (Vent)	4	3.12	12.48
B - 4'-0" x 18" (Vent)	0	4.68	0.00
C - 4'-0" x 12" (Vent in Path of Travel)	0	2.72	0.00
D - 4'-0" x 18" (Vent in Path of Travel)	0	4.08	0.00
E - 3'-0" x 2'-0" (Access Vent)	1	3.00	3.00
Ventilation Required	14.19		
Ventilation Provided	15.48		
Complies?	YES		

CONCRETE FOUNDATION POC PLAN - BUILDING D

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

- EP** BELOW FLOOR ELECTRICAL POC: SEE PLAN FOR AMPERAGE, 120/208 VOLT, 3 PHASE, NEMA 1 PANEL STUBBED DOWN BELOW FF (CONNECTION BY OTHERS) - SEE DETAIL 2/POC-2
- LV** BELOW FLOOR LOW VOLTAGE POC: (4) 2" CONDUITS FROM ATTIC STUBBED DOWN BELOW FF (CONNECTION BY OTHERS) - SEE DETAIL 5/POC-2
- W** BELOW FLOOR WATER POC: SEE PLAN FOR SIZE, AMS TO STUB DOWN BELOW FF 6" BEYOND FOUNDATION (CONNECTION BY OTHERS) - SEE DETAIL 9/POC-2
- SS** BELOW FLOOR WASTE POC: SEE PLAN FOR SIZE, AMS TO STUB DOWN BELOW FF 6" BEYOND FOUNDATION (CONNECTION BY OTHERS) - SEE DETAIL 9/POC-2
- CL** BELOW FLOOR CONDENSATE POC: AMS TO CONNECT TO AIR GAP BELOW FLOOR. CONDENSATE LINE RUN TO WASTEWATER (CONNECTION BY OTHERS) - SEE DETAIL 7/POC-2
- FSR** INTERIOR FIRE RISER POC: LOCATION OF FIRE RISER POC, SITE CONTRACTOR TO INSTALL ALL COMPONENTS AND CONNECT TO FLANGE @ 12" AFF - SEE DETAIL 14/POC-2
- CH** CHAMFER LOCATION - REFER TO PC FOR DETAILS
- ACV** 24" X 36" ACCESS VENT
- VE** 12"x48" FOUNDATION VENT
- DS** DOWNSPOUT P.O.C. - LOCATION OF 3" Ø DOWNSPOUT STRAIGHT AT BTM FOR CONNECTION TO SITE DRAINAGE (CONNECTION BY OTHERS)

NOTE: *DIMENSIONS MAY VARY ± 6"

IF FOUNDATION BY AMS: AMS TO PROVIDE CONCRETE FOUNDATION VENT WELLS AT GRATES. AMS TO EXCAVATE FOR FOOTINGS ONLY. PAD PREPARATION, COMPACTION AND AREA DRAIN BY OTHERS

ELECTRICAL PANELS PLACED OVER FOOTINGS MAY REQUIRE STEM WALL NOTCHING. COORDINATE WITH AMS PRIOR TO FOUNDATION INSTALLATION. REFER TO DSA APPROVED PLANS FOR DETAILS.

SITE CONTRACTOR TO COORDINATE/INSTALL ALL NECESSARY SLEEVES

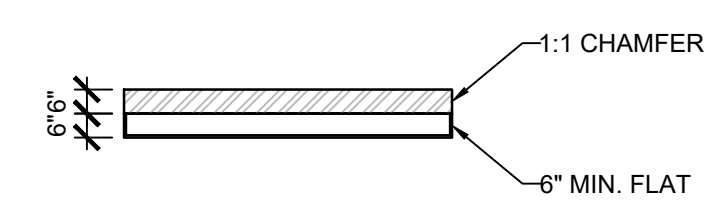
CONDUITS 3" OR GREATER WILL REQUIRE ROUTING BELOW BUILDING FOUNDATION TO ENTER CRAWLSPACE DUE TO SIZE OF SWEEP. AOR TO COORDINATE ROUTING AND POINT OF CONNECTION TO BUILDING WITH AMS.

ALL DETAILS ARE DIAGRAMMATIC AND ARE INTENDED TO CLARIFY SCOPE AS WELL AS TO PROVIDE A GENERAL UNDERSTANDING OF EACH POC.

THE INFORMATION ATTACHED IS PROVIDED FOR PURPOSES OF COORDINATION AND TO SIMPLIFY THE POINT OF CONNECTION INFORMATION FOR ELECTRICAL AND PLUMBING UNDERGROUND AS WELL AS FOUNDATION SLEEVES (AS REQUIRED) TO AN AGREED UPON CONNECTION POINT. THE POINT OF CONNECTION INFORMATION CONVEYED ON THIS SHEET SUPERSEDES ANY PREVIOUS DRAWINGS AND OR COMMUNICATIONS REGARDING POINTS OF CONNECTION. THE LOCATIONS AND SIZING REFLECTED ON THIS SHEET ARE THE RESPONSIBILITY OF THE ARCHITECT OF RECORD TO PROVIDE TO THE APPROPRIATE ON-SITE CONTRACTORS FOR COORDINATION AND EXECUTION. SEE FOUNDATION STRUCTURAL DRAWINGS FOR SLEEVE DETAILS THROUGH STEM WALL AND/OR FOOTINGS.

2,128.00 SF ACTUAL CRAWL SPACE (MINUS INTERIOR FOOTINGS)

THIS SHEET IS NOT A FOUNDATION PLAN, CONTRACTOR TO REFER TO APPROVED DRAWINGS FOR NECESSARY CONSTRUCTION INFORMATION



- PERIMETER CHAMFER NOTES:**
- CHAMFER SHALL NOT BE LOCATED WITHIN 3'-6" OF THE CORNERS OF THE BUILDING FOUNDATION.
 - CHAMFER SHALL NOT BE LOCATED WITHIN 1'-6" OF ANCHORAGE EMBED. PLATE LOCATIONS
 - CHAMFERS AT FRONT OR REAR END WALL FOOTINGS SHALL NOT BE LOCATED WITHIN 3'-6" OF A MODULE LINE
 - CHAMFERS SHALL NOT BE LOCATED WITHIN 1'-6" OF UTILITY OPENINGS PER SHEET S1.7
- INTERIOR CHAMFER NOTES:**
- CHAMFER SHALL NOT BE LOCATED WITHIN 2'-6" OF THE ENDS OF THE BUILDING.
 - CHAMFER MAY OCCUR ON BOTH SIDES OF THE FOOTING CONCURRENTLY.
 - CHAMFER SHALL NOT BE LOCATED WITHIN 1'-6" OF UTILITY

POC KEY NOTES

2 GENERAL NOTES

3

POINT OF CONNECTION PLAN

SHEET NUMBER:

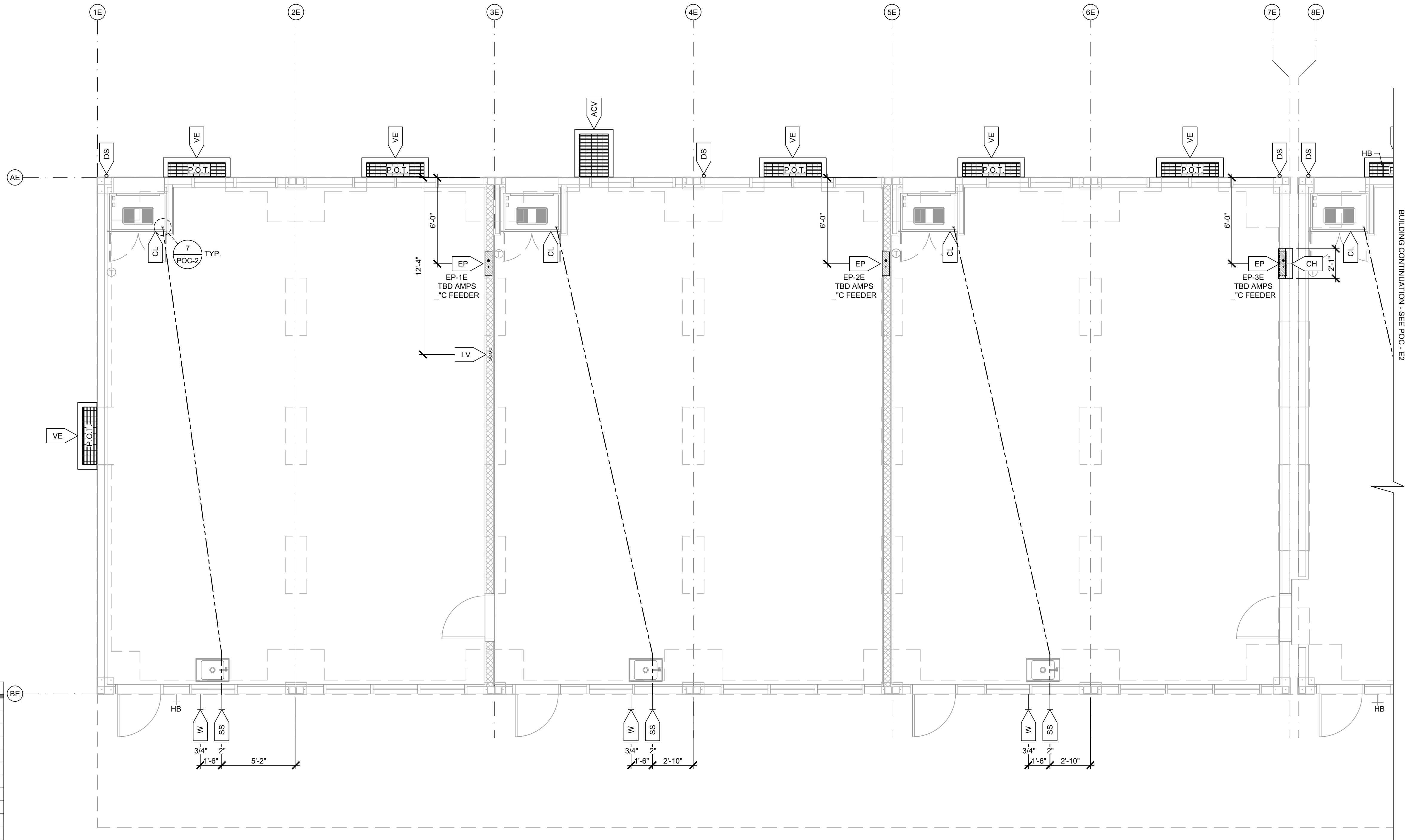
POC-D

PLOT: C:\USERS\AMEZAKAWA\MST\ENGINEERING_TEAM - DOCUMENTS\PROJECTS\1902-24 LA CANADA USD - PARADISE CANYON ES PHASE 1\PRODUCTION\DWG\POC - PARADISE CANYON.DWG, PLOT DATE: 6/9/2025 1:22:27 PM

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 THESE DRAWINGS AND THE MATERIAL CONTAINED
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 ANY INFORMATION FOR THE MAKING OF DRAWINGS,
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 THE FULL KNOWLEDGE AND WRITTEN CONSENT OF
 AMS. ALL PATENTABLE MATERIAL CONTAINED
 HEREIN AND ORIGINATING WITH AMS SHALL BE THE
 SOLE PROPERTY OF AMS.

LA CANADA USD
 PARADISE CANYON ES
 (2) 70'x36', (3) 84'x36'
 & (1) 98'x36' BUILDINGS

CUSTOMER:



Required Crawl Space Ventilation			
# of Modules	6		
Module Width	14		84 ft
Module Length	36		
Building Area (SF)	3024		
Interior Crawspace (SF)	2592		
Use Class 1 Vapor Barrier?	NO		
Ventilation			
Vent Type	QTY	SF Per Vent	Total SF
A - 4'-0" x 12" (Vent)	0	3.12	0.00
B - 4'-0" x 18" (Vent)	0	4.68	0.00
C - 4'-0" x 12" (Vent in Path of Travel)	6	2.72	16.32
D - 4'-0" x 18" (Vent in Path of Travel)	0	4.08	0.00
E - 3'-0" x 2'-0" (Access Vent)	1	3.00	3.00
Ventilation Required	17.28		
Ventilation Provided	19.32		
Complies?	YES		

CONCRETE FOUNDATION POC PLAN - BUILDING E (LEFT SIDE)

- SCALE: 1/4" = 1'-0" 1
- EP** BELOW FLOOR ELECTRICAL POC:
SEE PLAN FOR AMPERAGE, 120/208 VOLT, 3 PHASE, NEMA 1 PANEL STUBBED DOWN BELOW FF (CONNECTION BY OTHERS) - SEE DETAIL 2/POC-2
 - LV** BELOW FLOOR LOW VOLTAGE POC:
(4) 2" CONDUITS FROM ATTIC STUBBED DOWN BELOW FF (CONNECTION BY OTHERS) - SEE DETAIL 5/POC-2
 - W** BELOW FLOOR WATER POC:
SEE PLAN FOR SIZE, AMS TO STUB DOWN BELOW FF 6" BEYOND FOUNDATION (CONNECTION BY OTHERS) - SEE DETAIL 9/POC-2
 - SS** BELOW FLOOR WASTE POC:
SEE PLAN FOR SIZE, AMS TO STUB DOWN BELOW FF 6" BEYOND FOUNDATION (CONNECTION BY OTHERS) - SEE DETAIL 9/POC-2
 - CL** BELOW FLOOR CONDENSATE POC:
AMS TO CONNECT TO AIR GAP BELOW FLOOR. CONDENSATE LINE RUN TO WASTE (CONNECTION BY OTHERS) - SEE DETAIL 7/POC-2
 - FSR** INTERIOR FIRE RISER POC:
LOCATION OF FIRE RISER POC, SITE CONTRACTOR TO INSTALL ALL COMPONENTS AND CONNECT TO FLANGE @ 12" AFF - SEE DETAIL 14/POC-2
 - CH** CHAMFER LOCATION - REFER TO PC FOR DETAILS
 - ACV** 24" X 36" ACCESS VENT
 - VE** 12"x48" FOUNDATION VENT
 - DS** DOWNSPOUT P.O.C. - LOCATION OF 3" Ø DOWNSPOUT STRAIGHT AT BTM FOR CONNECTION TO SITE DRAINAGE (CONNECTION BY OTHERS)

NOTE: *DIMENSIONS MAY VARY ± 6"

IF FOUNDATION BY AMS, AMS TO PROVIDE CONCRETE FOUNDATION VENT WELLS AT GRATES. AMS TO EXCAVATE FOR FOOTINGS ONLY. PAD PREPARATION, COMPACTION AND AREA DRAIN BY OTHERS

ELECTRICAL PANELS PLACED OVER FOOTINGS MAY REQUIRE STEM WALL NOTCHING. COORDINATE WITH AMS PRIOR TO FOUNDATION INSTALLATION. REFER TO DSA APPROVED PLANS FOR DETAILS.

SITE CONTRACTOR TO COORDINATE/INSTALL ALL NECESSARY SLEEVES

CONDUITS 3" OR GREATER WILL REQUIRE ROUTING BELOW BUILDING FOUNDATION TO ENTER CRAWLSPACE DUE TO SIZE OF SWEEP. AOR TO COORDINATE ROUTING AND POINT OF CONNECTION TO BUILDING WITH AMS.

ALL DETAILS ARE DIAGRAMMATIC AND ARE INTENDED TO CLARIFY SCOPE AS WELL AS TO PROVIDE A GENERAL UNDERSTANDING OF EACH POC.

THE INFORMATION ATTACHED IS PROVIDED FOR PURPOSES OF COORDINATION AND TO SIMPLIFY THE POINT OF CONNECTION INFORMATION FOR ELECTRICAL AND PLUMBING UNDERGROUND AS WELL AS FOUNDATION SLEEVES (AS REQUIRED) TO AN AGREED UPON CONNECTION POINT. THE POINT OF CONNECTION INFORMATION CONVEYED ON THIS SHEET SUPERSEDES ANY PREVIOUS DRAWINGS AND OR COMMUNICATIONS REGARDING POINTS OF CONNECTION. THE LOCATIONS AND SIZING REFLECTED ON THIS SHEET ARE THE RESPONSIBILITY OF THE ARCHITECT OF RECORD TO PROVIDE TO THE APPROPRIATE ON-SITE CONTRACTORS FOR COORDINATION AND EXECUTION. SEE FOUNDATION STRUCTURAL DRAWINGS FOR SLEEVE DETAILS THROUGH STEM WALL AND/OR FOOTINGS.

THIS SHEET IS NOT A FOUNDATION PLAN, CONTRACTOR TO REFER TO APPROVED DRAWINGS FOR NECESSARY CONSTRUCTION INFORMATION

PERIMETER CHAMFER NOTES:

- CHAMFER SHALL NOT BE LOCATED WITHIN 3'-6" OF THE CORNERS OF THE BUILDING FOUNDATION.
- CHAMFER SHALL NOT BE LOCATED WITHIN 1'-6" OF ANCHORAGE EMBED. PLATE LOCATIONS
- CHAMFERS AT FRONT OR REAR END WALL FOOTINGS SHALL NOT BE LOCATED WITHIN 3'-6" OF A MODULE LINE
- CHAMFERS SHALL NOT BE LOCATED WITHIN 1'-6" OF UTILITY OPENINGS PER SHEET S1.7

INTERIOR CHAMFER NOTES:

- CHAMFER SHALL NOT BE LOCATED WITHIN 2'-6" OF THE ENDS OF THE BUILDING.
- CHAMFER MAY OCCUR ON BOTH SIDES OF THE FOOTING CONCURRENTLY.
- CHAMFER SHALL NOT BE LOCATED WITHIN 1'-6" OF UTILITY

2,592.00 SF ACTUAL CRAWL SPACE (MINUS INTERIOR FOOTINGS)

POC KEY NOTES

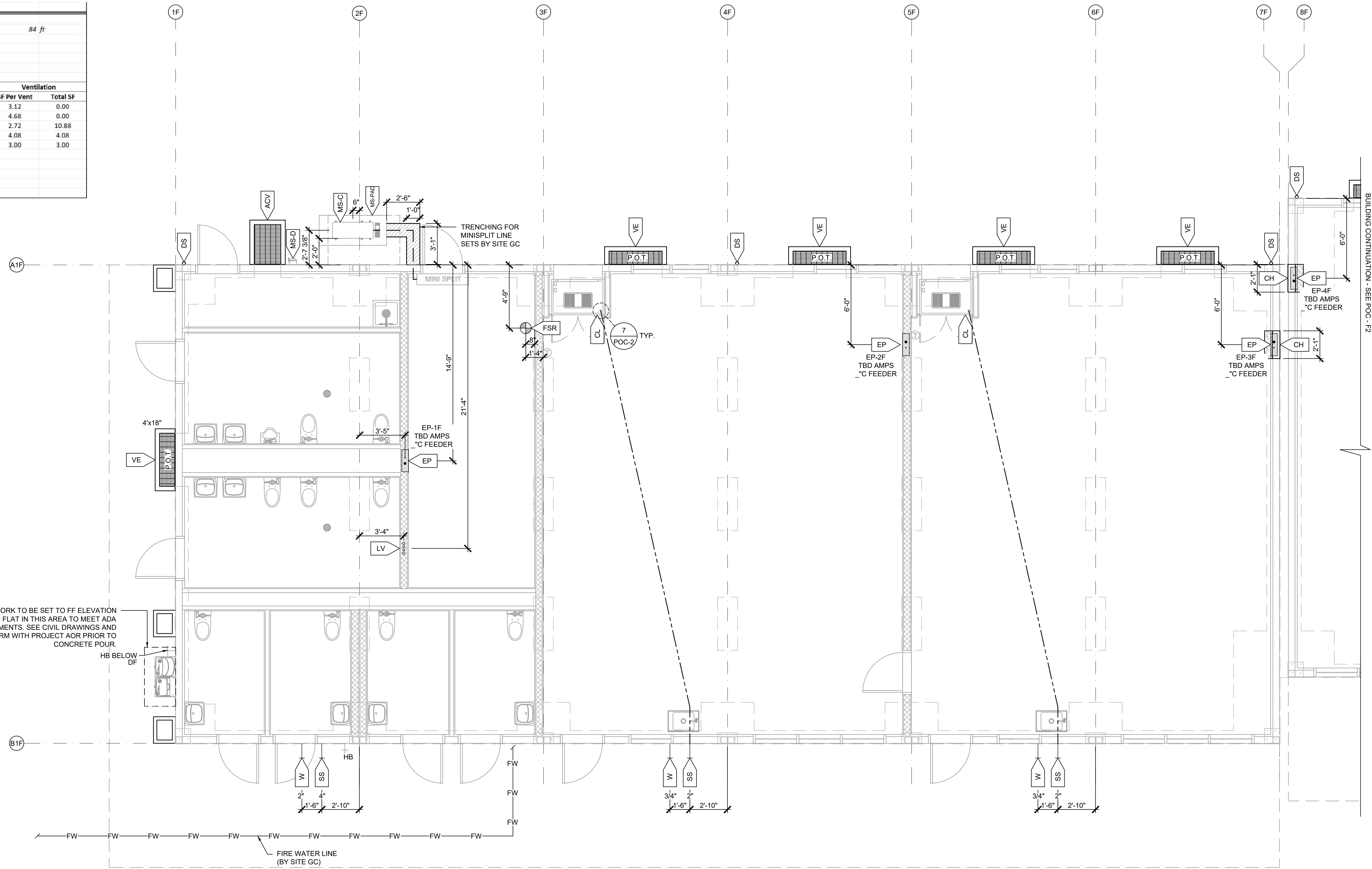
2 GENERAL NOTES

3

PROJECT No.: 1902-24
 DRAWING TITLE: POINT OF CONNECTION PLAN
 SHEET NUMBER: POC-E1

PLOT: C:\USERS\AMEZCANA\MST\ENGINEERING_TEAM - DOCUMENTS\PROJECTS\1902-1902-24 LA CANADA USD - PARADISE CANYON ES PHASE 1\PRODUCTION\DWG\POC - PARADISE CANYON.DWG, PLOT DATE: 6/9/2025 1:12:39 PM

Required Crawl Space Ventilation			
# of Modules	6		84 ft
Module Width	14		
Module Length	36		
Building Area (SF)	3024		
Interior Crawspace (SF)	2565		
Use Class 1 Vapor Barrier?	NO		
Ventilation			
Vent Type	QTY	SF Per Vent	Total SF
A - 4'-0" x 12" (Vent)	0	3.12	0.00
B - 4'-0" x 18" (Vent)	0	4.68	0.00
C - 4'-0" x 12" (Vent in Path of Travel)	4	2.72	10.88
D - 4'-0" x 18" (Vent in Path of Travel)	1	4.08	4.08
E - 3'-0" x 2'-0" (Access Vent)	1	3.00	3.00
Ventilation Required	17.10		
Ventilation Provided	17.96		
Complies?	YES		



LA CANADA USD
PARADISE CANYON ES
(2) 70'x36', (3) 84'x36'
& (1) 98'x36' BUILDINGS

CUSTOMER:

CONCRETE FOUNDATION POC PLAN - BUILDING F (LEFT SIDE)

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

- | | |
|---|---|
| EP BELOW FLOOR ELECTRICAL POC:
SEE PLAN FOR AMPERAGE. 120/208 VOLT, 3 PHASE, NEMA 1 PANEL STUBBED DOWN BELOW FF (CONNECTION BY OTHERS) - SEE DETAIL 2/POC-2 | ACV 24" X 36" ACCESS VENT |
| LV BELOW FLOOR LOW VOLTAGE POC:
(4) 2" CONDUITS FROM ATTIC STUBBED DOWN BELOW FF (CONNECTION BY OTHERS) - SEE DETAIL 5/POC-2 | VE 12"x48" FOUNDATION VENT |
| W BELOW FLOOR WATER POC:
SEE PLAN FOR SIZE, AMS TO STUB DOWN BELOW FF 6" BEYOND FOUNDATION (CONNECTION BY OTHERS) - SEE DETAIL 9/POC-2 | MS-PAD CONDENSER PAD WITH SLEEVES - SEE DETAIL 20/ POC-2 (CONDENSER PAD BY OTHERS) |
| SS BELOW FLOOR WASTE POC:
SEE PLAN FOR SIZE, AMS TO STUB DOWN BELOW FF 6" BEYOND FOUNDATION (CONNECTION BY OTHERS) - SEE DETAIL 9/POC-2 | MS-C CONDENSER (POWER BY OTHERS) - SEE DETAIL 20/ POC-2 |
| CL BELOW FLOOR CONDENSATE POC:
AMS TO CONNECT TO AIR GAP BELOW FLOOR, CONDENSATE LINE RUN TO WASTE (CONNECTION BY OTHERS) - SEE DETAIL 7/POC-2 | MS-D CONDENSER DISCONNECT - SEE DETAIL 17/POC-2 |
| FSR INTERIOR FIRE RISER POC:
LOCATION OF FIRE RISER POC, SITE CONTRACTOR TO INSTALL ALL COMPONENTS AND CONNECT TO FLANGE @ 12" AFF - SEE DETAIL 14/POC-2 | DS DOWNSPOUT P.O.C. - LOCATION OF 3"Ø DOWNSPOUT STRAIGHT AT BTM FOR CONNECTION TO SITE DRAINAGE (CONNECTION BY OTHERS) |
| CH CHAMFER LOCATION - REFER TO PC FOR DETAILS | |

NOTE: *DIMENSIONS MAY VARY ± 6"

IF FOUNDATION BY AMS, AMS TO PROVIDE CONCRETE FOUNDATION VENT WELLS AT GRATES. AMS TO EXCAVATE FOR FOOTINGS ONLY. PAD PREPARATION, COMPACTION AND AREA DRAIN BY OTHERS

ELECTRICAL PANELS PLACED OVER FOOTINGS MAY REQUIRE STEM WALL NOTCHING. COORDINATE WITH AMS PRIOR TO FOUNDATION INSTALLATION. REFER TO DSA APPROVED PLANS FOR DETAILS.

SITE CONTRACTOR TO COORDINATE/INSTALL ALL NECESSARY SLEEVES

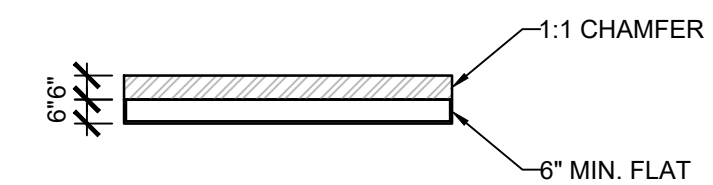
CONDUITS 3" OR GREATER WILL REQUIRE ROUTING BELOW BUILDING FOUNDATION TO ENTER CRAWLSPACE DUE TO SIZE OF SWEEP. AOR TO COORDINATE ROUTING AND POINT OF CONNECTION TO BUILDING WITH AMS.

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2,565.00 SF ACTUAL CRAWL SPACE (MINUS INTERIOR FOOTINGS)

THIS SHEET IS NOT A FOUNDATION PLAN, CONTRACTOR TO REFER TO APPROVED DRAWINGS FOR NECESSARY CONSTRUCTION INFORMATION



PERIMETER CHAMFER NOTES:

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- CHAMFER SHALL NOT BE LOCATED WITHIN 1'-6" OF ANCHORAGE EMBED. PLATE LOCATIONS
- CHAMFERS AT FRONT OR REAR END WALL FOOTINGS SHALL NOT BE LOCATED WITHIN 3'-6" OF A MODULE LINE
- CHAMFERS SHALL NOT BE LOCATED WITHIN 1'-6" OF UTILITY OPENINGS PER SHEET S1.7

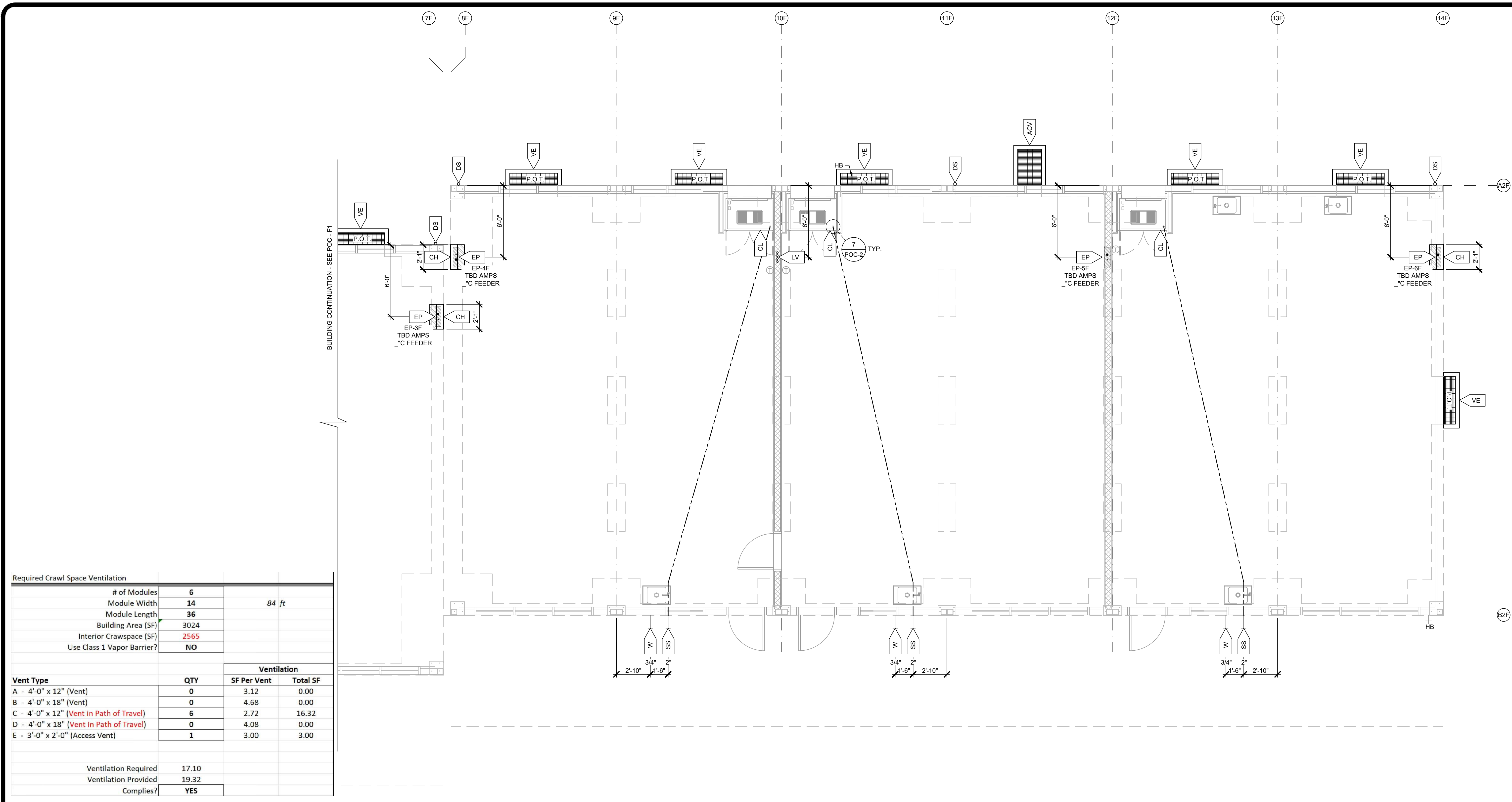
INTERIOR CHAMFER NOTES:

- CHAMFER SHALL NOT BE LOCATED WITHIN 2'-6" OF THE ENDS OF THE BUILDING.
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- CHAMFER SHALL NOT BE LOCATED WITHIN 1'-6" OF UTILITY

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**LA CANADA USD
 PARADISE CANYON ES
 (2) 70'x36', (3) 84'x36'
 & (1) 98'x36' BUILDINGS**

CUSTOMER:



Required Crawl Space Ventilation			
# of Modules	6		
Module Width	14		84 ft
Module Length	36		
Building Area (SF)	3024		
Interior Crawspace (SF)	2565		
Use Class 1 Vapor Barrier?	NO		
Ventilation			
Vent Type	QTY	SF Per Vent	Total SF
A - 4'-0" x 12" (Vent)	0	3.12	0.00
B - 4'-0" x 18" (Vent)	0	4.68	0.00
C - 4'-0" x 12" (Vent in Path of Travel)	6	2.72	16.32
D - 4'-0" x 18" (Vent in Path of Travel)	0	4.08	0.00
E - 3'-0" x 2'-0" (Access Vent)	1	3.00	3.00
Ventilation Required	17.10		
Ventilation Provided	19.32		
Complies?	YES		

CONCRETE FOUNDATION POC PLAN - BUILDING F (RIGHT SIDE)

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

- POC KEY NOTES**
- EP BELOW FLOOR ELECTRICAL POC: SEE PLAN FOR AMPERAGE, 120/208 VOLT, 3 PHASE, NEMA 1 PANEL STUBBED DOWN BELOW FF (CONNECTION BY OTHERS) - SEE DETAIL 2/POC-2
 - LV BELOW FLOOR LOW VOLTAGE POC: (4) 2" CONDUITS FROM ATTIC STUBBED DOWN BELOW FF (CONNECTION BY OTHERS) - SEE DETAIL 5/POC-2
 - W BELOW FLOOR WATER POC: SEE PLAN FOR SIZE, AMS TO STUB DOWN BELOW FF 6" BEYOND FOUNDATION (CONNECTION BY OTHERS) - SEE DETAIL 9/POC-2
 - SS BELOW FLOOR WASTE POC: SEE PLAN FOR SIZE, AMS TO STUB DOWN BELOW FF 6" BEYOND FOUNDATION (CONNECTION BY OTHERS) - SEE DETAIL 9/POC-2
 - CL BELOW FLOOR CONDENSATE POC: AMS TO CONNECT TO AIR GAP BELOW FLOOR, CONDENSATE LINE RUN TO WASTE (CONNECTION BY OTHERS) - SEE DETAIL 7/POC-2
 - FSR INTERIOR FIRE RISER POC: LOCATION OF FIRE RISER POC, SITE CONTRACTOR TO INSTALL ALL COMPONENTS AND CONNECT TO FLANGE @ 12" AFF - SEE DETAIL 14/POC-2
 - CH CHAMFER LOCATION - REFER TO PC FOR DETAILS
 - ACV 24" X 36" ACCESS VENT
 - VE 12"x48" FOUNDATION VENT
 - DS DOWNSPOUT P.O.C. - LOCATION OF 3"Ø DOWNSPOUT STRAIGHT AT BTM FOR CONNECTION TO SITE DRAINAGE (CONNECTION BY OTHERS)

GENERAL NOTES

NOTE: *DIMENSIONS MAY VARY ± 6"

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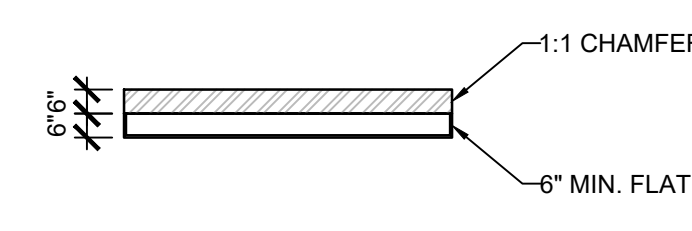
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INTERIOR CHAMFER NOTES:

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- CHAMFER SHALL NOT BE LOCATED WITHIN 1'-6" OF UTILITY

2,565.00 SF ACTUAL CRAWL SPACE (MINUS INTERIOR FOOTINGS)



EPM: GA
 DRAWN BY: AV
 SCALE: AS NOTED
 DATE: 05/29/2025
 PROJECT No.: 1902-24
 DRAWING TITLE: POINT OF CONNECTION PLAN
 SHEET NUMBER: POC-F2

PLOT: C:\USERS\AMEJUNA\AMSVEN\ENGINEERING_TEAM - DOCUMENTS\PROJECTS\1902-190A\1902-24 LA CANADA USD - PARADISE CANYON ES PHASE 1\PRODUCTION\DWG\POC - PARADISE CANYON USD - PLOT DATE: 6/9/2025 1:13:27 PM

