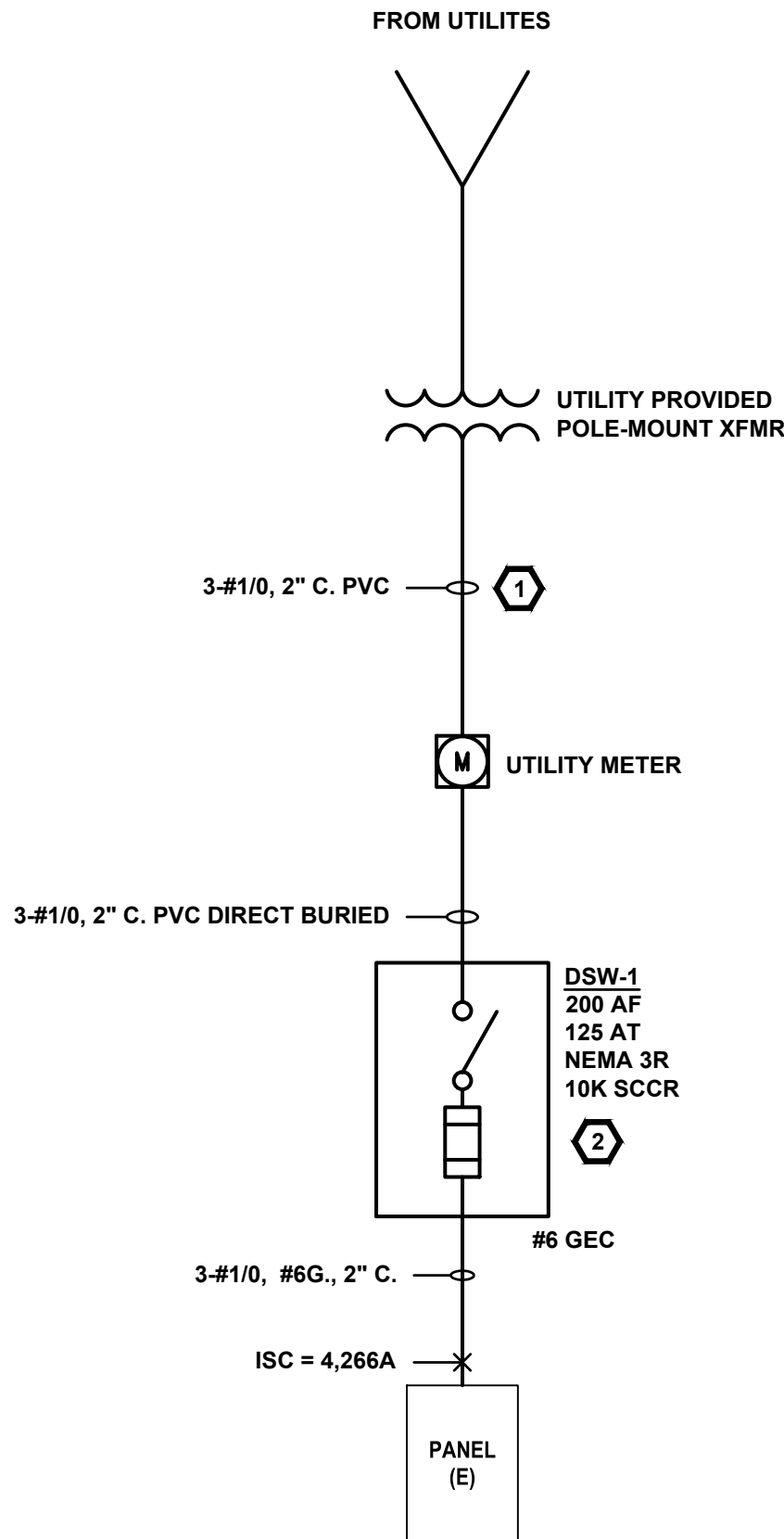


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Fault No.	Description	Available Short Circuit Current @ Beginning of Circuit	Enter L-L Voltage	Enter L-N Voltage	Length (Ft) of Circuit to Fault	Available Short Circuit Current	Equipment SCCR Rating
1	SERVICE DISCONNECT	18,018	240	120	200	4,266	10,000



KEYED NOTES

- 1 FOR POLE MOUNT TRANSFORMER SERVICE, INSTALL ALL REQUIRED CONDUIT, CONDUCTORS, SUPPORTS, ETC. PER UTILITY REQUIREMENTS.
- 2 PROVIDE NEW SERVICE DISCONNECT ON EXTERIOR OF BUILDING. PROVIDE NEW SERVICE CONDUCTORS TO EXISTING PANEL IN EXISTING MODULAR.

GENERAL NOTES

- DO NOT SCALE FROM THESE DRAWINGS. DIMENSIONS SHALL BE TAKEN FROM ARCHITECTURAL DRAWINGS.
- THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND ARE INTENDED ONLY TO DEFINE THE BASIC FUNCTIONS REQUIRED FOR PROPER OPERATION OF THE SYSTEMS.
- NOT ALL EXISTING ELECTRICAL EQUIPMENT AND ACCESSORIES ARE NECESSARILY SHOWN ON THIS DRAWING, BUT WHAT IS DEEMED NECESSARY TO SHOW INTENT OF WORK INVOLVED FOR THIS PROJECT. REFER TO ALL PLANS, SECTIONS, DETAILS, SCHEDULES, AND SPECIFICATIONS FOR COMPLETE SYSTEM REQUIREMENTS.
- SCOPE OF WORK CONSISTS OF FURNISHING LABOR, MATERIALS, AND EQUIPMENT FOR THE INSTALLATION. IT ALSO INCLUDES PLACING INTO OPERATION COMPLETE AND OPERABLE SYSTEMS AS SPECIFIED AND SHOWN. ACCESSORIES REQUIRED FOR PROPER OPERATION OF THE SYSTEMS, EVEN THOUGH NOT SPECIFICALLY INDICATED, SHALL BE INCLUDED AND INSTALLED.
- ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF ALL APPLICABLE CODES AND STANDARDS INCLUDING BUT NOT LIMITED TO NATIONAL, CITY, STATE, AND LOCAL ORDINANCES WHICH MAY BE IN EFFECT. ALL ELECTRICAL MATERIALS, INSTALLATION PROCEDURES, AND SYSTEM LAYOUTS SHALL BE APPROVED BY ALL APPLICABLE CODE ENFORCEMENT AUTHORITIES HAVING JURISDICTION. THE MECHANICAL CONTRACTOR SHALL PROVIDE ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THESE RULES, REGULATIONS, AND ORDINANCES AT NOT ADDITIONAL COST. THESE CODES REPRESENT THE MINIMUM ACCEPTABLE REQUIREMENTS, THEREFORE, WHERE DRAWINGS AND/OR SPECIFICATIONS INDICATE MATERIALS OR CONSTRUCTION IN EXCESS OF THESE CODE REQUIREMENTS, THE DRAWINGS AND/OR SPECIFICATIONS SHALL GOVERN.
- ELECTRICAL LAYOUT IS BASED ON ARCHITECTURAL DRAWINGS AVAILABLE AT THE TIME OF THE DESIGN. AS FIELD CHANGES MAY OCCUR, CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY LOCATION OF ALL EXISTING ELECTRICAL EQUIPMENT AS WELL AS EXISTING CONDITIONS FOR DEFECTS PRIOR TO INSTALLATION. ELECTRICAL CONTRACTOR SHALL NOTIFY BUILDER OF ANY REQUIRED CHANGES OR ALTERATIONS AND SHALL TAKE RESPONSIBILITY FOR VERIFYING THE INTEGRITY OF THE CHANGES WITH THE ENGINEER OF RECORD.
- IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO REVIEW THESE PLANS AND SPECIFICATIONS AS WELL AS ALL PERTINENT SITE ENGINEERING DRAWINGS TO BECOME FAMILIAR WITH THE FULL SCOPE OF WORK. IN ADDITION, THE ELECTRICAL CONTRACTOR MUST COORDINATE WITH AN OWNER REPRESENTATIVE TO FULLY UNDERSTAND ALL REQUIREMENTS AND CHANGES THE OWNER MAY CONSIDER PART OF THIS SCOPE AND MAY NOT BE SPECIFIED HEREIN. DURING THE COURSE OF CONSTRUCTION, IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO WORK CLOSELY WITH ALL TRADES IN ORDER TO ENSURE A FULLY COORDINATED INSTALL.
- ANY DISCREPANCIES OR INADEQUACIES WITHIN THIS DRAWING SET OR BETWEEN THIS SET AND THE RELATED HVAC, FIRE PROTECTION, PLUMBING, STRUCTURAL, CIVIL, ARCHITECTURAL AND SITE ENGINEERING DRAWINGS, OR BETWEEN THIS SET AND EXISTING FIELD CONDITIONS MUST BE BROUGHT TO THE ATTENTION OF THE OWNER, ARCHITECT, AND ENGINEER OF RECORD PRIOR TO BID SUBMITTAL.
- BRANDS AND MODELS OF EQUIPMENT SHOWN ON THE SCHEDULES ARE GIVEN AS STANDARD. BRANDS AND MODELS OF EQUAL CAPACITY AND QUALITY MAY BE USED WITH ARCHITECT/ENGINEER'S APPROVAL. CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER FIT AND OTHER ASPECTS RELATED TO THE SUBSTITUTION. EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDED INSTALLATION PROCEDURES AND IN AN ARRANGEMENT THAT WILL GIVE THE GREATEST PRACTICAL EASE OF OPERATION AND SERVICE TO THE OWNER.
- RACEWAY SYSTEMS ARE SHOWN DIAGRAMMATICALLY. ACTUAL LOCATION AND ROUTING OF ALL, SHALL BE DETERMINED BY THE ELECTRICAL CONTRACTOR TO SUIT FIELD CONDITIONS. ALL RACEWAYS IN EXPOSED EXTERIOR APPLICATIONS SHALL BE RIGID METAL CONDUIT OR GALVANIZED RIGID CONDUIT WITH A MINIMUM RACEWAY SIZE OF 3/4", UNLESS NOTED. ALL RACEWAYS IN CONCEALED INTERIOR APPLICATIONS SHALL BE ELECTRICAL METALLIC TUBING, ELECTRICAL NONMETALLIC TUBING, OR RIGID NONMETALLIC CONDUIT WITH A MINIMUM RACEWAY SIZE OF 3/4", UNLESS NOTED. ALL RACEWAY FITTINGS SHALL BE COMPATIBLE AND SUITABLE FOR USE AND LOCATION. CONCEAL ALL CONDUITS WITHIN FINISHED WALLS, CEILINGS, AND FLOORS WHEREVER POSSIBLE, UNLESS NOTED. RACEWAYS SHALL BE RAN PARALLEL WITH, OR AT RIGHT ANGLE TO WALLS.
- ALL ELECTRICAL SYSTEM COMPONENTS SHALL BE LISTED OR LABELED BY A LISTED AUTHORITY AS ALLOWED BY THE THE AUTHORITY HAVING JURISDICTION.
- THE GROUNDING AND BONDING SYSTEM SHALL COMPLY WITH 2023 NEC ARTICLE 250.
- ALL CONDUCTORS SHALL BE TYPE RHW, THHW, THW, THWN, AND XHHW FOR FEEDERS AND BRANCH CIRCUITS. THE INSTALLATION OF THE CONDUCTORS SHALL COMPLY WITH 2023 NEC ARTICLE 310.
- ALL ELECTRICAL PENETRATIONS THROUGH RATED WALLS AND CEILINGS SHALL BE SEALED IN ACCORDANCE WITH 2021 INTERNATIONAL BUILDING CODE CHAPTER 7.
- ALL NEW PANELBOARDS AND SWITCHBOARDS SHALL BE OF THE SAME MANUFACTURER AND HAVE LOCKING DOORS AND BE KEYED THE SAME, UNLESS NOTED. ALL PANELBOARDS SHALL BE FULLY RATED TO INTERRUPT SYMMETRICAL SHORT-CIRCUIT CURRENT. PROVIDE TYPED UPDATED PANEL DIRECTORY TO BE MOUNTED ON INSIDE OF PANEL DOOR COVERS. DIRECTORY SHALL REFLECT ALL ADDITIONS OR MODIFICATIONS TO EXISTING PANELS AND SHALL REFLECT ACTUAL "AS-BUILT" CONDITIONS.
- THE CONTRACTOR SHALL COORDINATE WITH THE OWNER, ARCHITECT, AND ENGINEER AS REQUIRED SHUT-DOWNS OR TIE-INS RELATING TO THESE SYSTEMS. REQUEST FOR SHUT-DOWNS SHALL BE SUBMITTED TO THE PROPER CHANNELS WITH ADEQUATE NOTICE IN ADVANCE FOR APPROVAL BY OWNER.
- ALL 120V AND 277V DEVICES SHALL HAVE A DEDICATED NEUTRAL.
- THE ELECTRICAL CONTRACTOR SHALL PROVIDE A COMPLETE SET OF RECORD "AS-BUILT" DRAWINGS TO INCLUDE ACCURATE CONDUIT AND DEVICE LOCATIONS. THESE DRAWINGS SHALL ALSO INCLUDE ALL CHANGES AND DEVIATIONS FROM THE BID DOCUMENTS.
- THE CONTRACTOR SHALL PROVIDE MAINTENANCE INSTRUCTIONS FOR EQUIPMENT AND SYSTEMS THAT REQUIRE PREVENTATIVE MAINTENANCE AS WELL AS ANY WRITTEN WARRANTIES COVERING MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM THE DATE OF ACCEPTANCE OF THE PROJECT.

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR	FLA	FULL LOAD AMPS	(R)	RELOCATED
AFG	ABOVE FINISHED GRADE	GND	GROUND	XFMR	TRANSFORMER
AIC	AMP INTERRUPTING CAPACITY	HP	HORSEPOWER	U.C.	UNDER COUNTER
AL	ALUMINUM	KVA	KILOVOLT-AMPS	V	VOLTS
BKR	BREAKER	KW	KILOWATT	VA	VOLT AMPS
C	CONDUIT	MCA	MIN. CIRCUIT AMPACITY	W	WATTS
CKT	CIRCUIT	MCB	MAIN CIRCUIT BREAKER	WP	WEATHERPROOF
CU	COPPER	MLO	MAIN LUGS ONLY		
DWG	DRAWING	O.C.	OVER COUNTERTOP		
(E)	EXISTING	PNL	PANELBOARD		

ELECTRICAL LEGEND

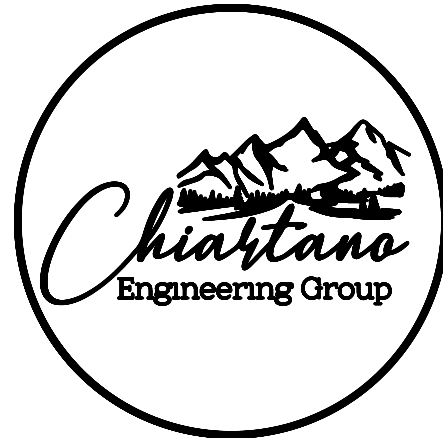
SYMBOL	DESCRIPTION
	20A DUPLEX RECEPTACLE 18" AFF UNLESS NOTED
	20A DUPLEX CONTROLLED RECEPTACLE 18" AFF UNLESS NOTED
	20A GFI DUPLEX RECEPTACLE 18" AFF UNLESS NOTED
	20A QUAD DUPLEX RECEPTACLE 18" AFF UNLESS NOTED
	208V OR SPECIALITY RECEPTACLE 18" AFF UNLESS NOTED
	FLOOR MOUNTED DUPLEX RECEPTACLE
	DATA RECEPTACLE 18" AFF UNLESS NOTED
	FLOOR MOUNTED DATA RECEPTACLE
	SINGLE POLE LIGHT SWITCH 42" AFF UNLESS NOTED
	THREE WAY LIGHT SWITCH 42" AFF UNLESS NOTED
	FOUR WAY LIGHT SWITCH 42" AFF UNLESS NOTED
	DIMMER SINGLE POLE LIGHT SWITCH 42" AFF UNLESS NOTED
	WALL MOUNT OCCUPANCY SENSOR 42" AFF UNLESS NOTED (D) DENOTES DIMMER IF APPLICABLE
	CEILING MOUNT OCCUPANCY SENSOR
	JUNCTION BOX
	TV OUTLET
	PANELBOARD (SURFACE OR FLUSH MOUNTED)
	LINEAR STRIP FIXTURE - LETTER DENOTES FIXTURE TYPE
	2X2 LIGHT FIXTURE - LETTER DENOTES FIXTURE TYPE
	2X4 LIGHT FIXTURE - LETTER DENOTES FIXTURE TYPE
	CAN LIGHT FIXTURE - LETTER DENOTES FIXTURE TYPE
	EMERGENCY EXIT SIGN
	EMERGENCY LIGHTING FIXTURE
	CONDUIT HOME-RUN TO DESIGNATED PANEL NO HATCHES INDICATES ONE HOT, ONE NEUTRAL, AND ONE GROUNDING CONDUCTOR
	GROUNDING CONDUCTOR
	NEUTRAL CONDUCTOR
	HOT OR SWITCH LEG CONDUCTOR

NOTE: WHEN ALL SYMBOLS REPRESENTED ARE SHOWN ON PLANS IN A LIGHT LINE WEIGHT DENOTES EXISTING DEVICES. DASHED DENOTES DEMOLISHED.

SHEET INDEX

SHEET NUMBER	SHEET CONTENTS
E001	GENERAL INFORMATION AND SCHEDULES
E110	ELECTRICAL SITE PLAN

ENGINEER SEAL:



10186 MT. LINCOLN DR. PEYTON, CO 80831
INFO@CHIARTANOEG.COM
719.257.2091

EL PASO COUNTY RDC
NEW MODULAR UNIT
23975 CO HWY 94
ELLCOTT, CO 80808

	ISSUED FOR PERMIT	08/22/2024
NO.	REVISION	DATE

PROJECT NO: 24-0593
DRAWN BY: MPC
CHECKED BY: MPC
DATE: 08/22/2024

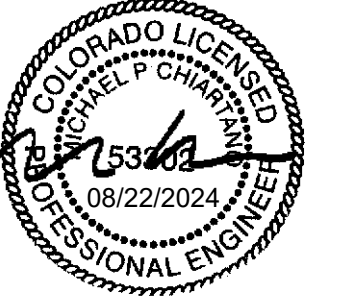
SHEET CONTENTS:

GENERAL INFORMATION
AND SCHEDULES

SHEET NUMBER:


E001

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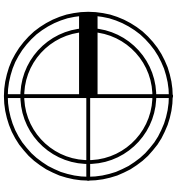
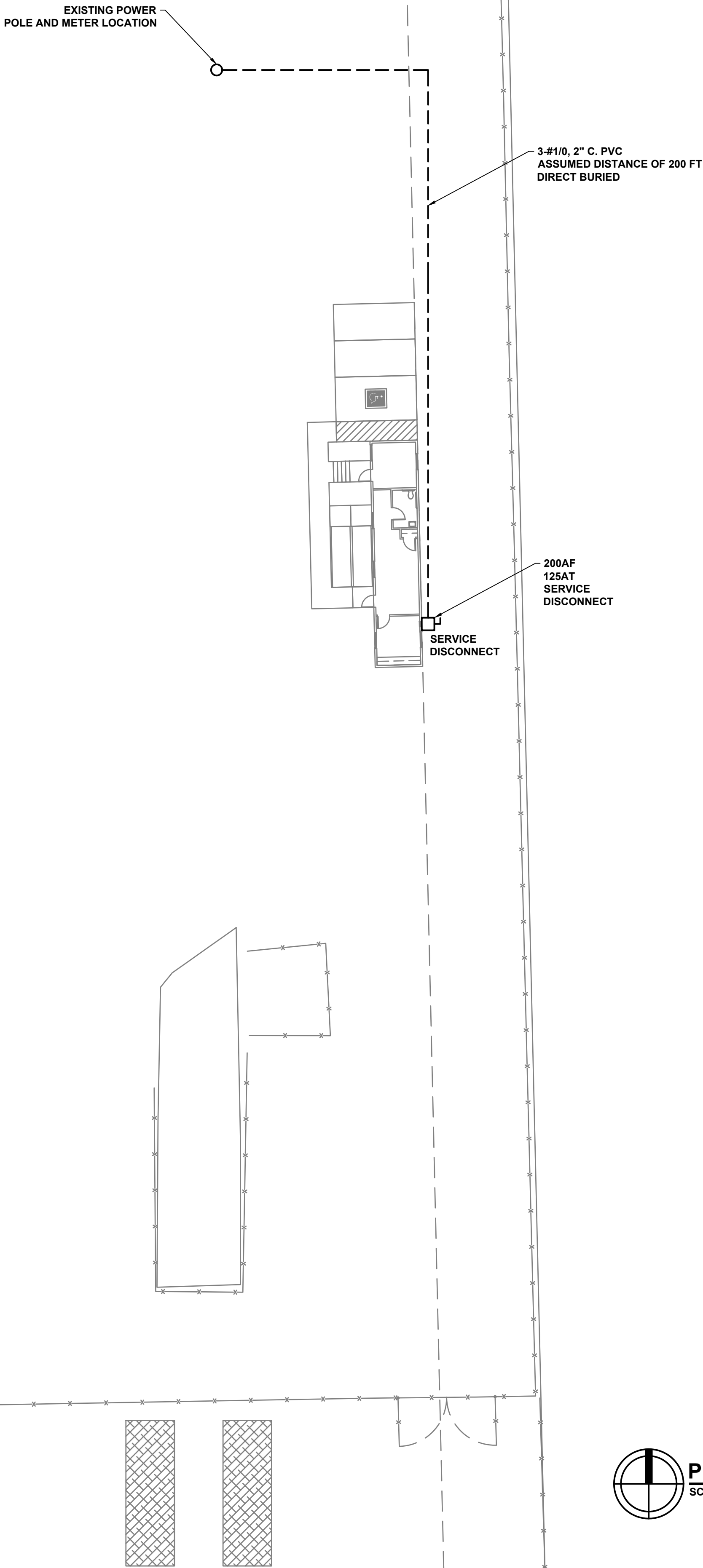
ELECTRICAL SITE PLAN

SHEET NUMBER:

E110

GENERAL NOTES

- A. DRAWINGS ARE BASED ON RECORD DRAWINGS (NOT GUARANTEED TO BE CURRENT AT TIME OF CONSTRUCTION) AND FIELD INVESTIGATION WITH DEMOLITION. EXAMINE PLANS AND VISIT THE SITE TO FIELD VERIFY ALL CONDITIONS AND COORDINATE SAME WITH OTHER TRADES PRIOR TO STARTING WORK.
- B. A LICENSED AND BONDED CONTRACTOR SHALL BE USED FOR INSTALLATION. ALL LOCAL CODES SHALL BE FOLLOWED DURING INSTALLATION.
- C. OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL REMOVED EQUIPMENT AND MATERIAL.
- D. THE CONTRACTOR MUST VISIT THE SITE AND NOTE ALL EXISTING CONDITIONS AS WELL AS CONDITIONS TO BE MET PRIOR TO BID SUBMISSION. LACK OF A THOROUGH UNDERSTANDING OF THE PROJECT SCOPE AND CONDITIONS SHALL NOT CONSTITUTE AN EXCUSE FOR ERRORS OR OMISSIONS, NOR FOR A REQUEST FOR EXTRA COMPENSATION.
- E. A FINAL COMMISSIONING REPORT SHALL BE DELIVERED TO THE BUILDING OWNER PER SECTION C408.2.5 OF THE 2021 IECC.
- F. ELECTRICAL DESIGN HAS A MAXIMUM VOLTAGE DROP OF 5% PER 2021 IECC 450.10.



PLUMBING PLAN

SCALE: 1" = 20'-0"

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