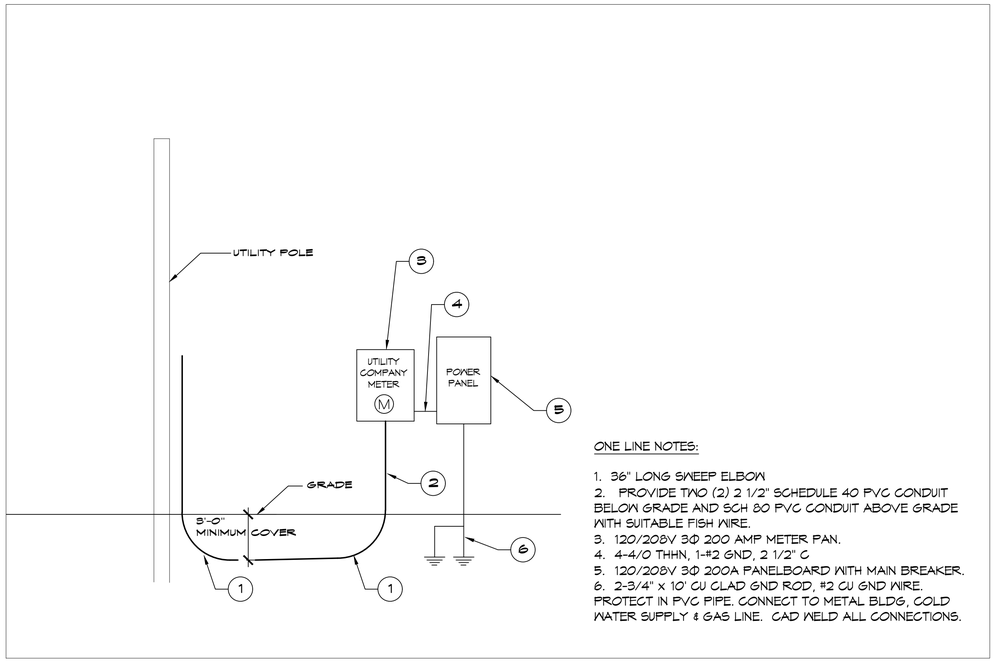

ONE LINE NOTES:

1. 36" LONG SWEEP ELBOW
2. PROVIDE TWO (2) 2 1/2" SCHEDULE 40 PVC CONDUIT BELOW GRADE AND SCH 80 PVC CONDUIT ABOVE GRADE WITH SUITABLE FISH WIRE.
3. 120/208V 3Ø 200 AMP METER PAN.
4. 4-4/0 THHN, 1-#2 GND, 2 1/2" C
5. 120/208V 3Ø 200A PANELBOARD WITH MAIN BREAKER.
6. 2-3/4" x 10' CU CLAD GND ROD, #2 CU GND WIRE. PROTECT IN PVC PIPE. CONNECT TO METAL BLDG, COLD WATER SUPPLY & GAS LINE. CAD WELD ALL CONNECTIONS.

34 ONE LINE DIAGRAM - NEW BUILDING
SCALE: N.T.S.

ELECTRICAL LOAD SUMMARY

POWER COMPANY:	CLECO					
PROJECT NAME:	SEC - SPECIALTY ENHANCED IMAGING LARGE BUILDING					
PROJECT ADDRESS:	429 SOUTH STREET					
CITY TOWN:	SLIDELL, LOUISIANA 70460					
INTENDED USER:	WAREHOUSE					
REQUIRED SERVICE:	208/120	VOLTS	3	PHASE	4	WIRE
SERV ENTR SIZE:	400	AMPS				
HVAC TONNAGE:	30	TONS				
LARGEST MOTOR:		HP	NOTE: MOTORS ABOVE 20 HP MAY REQUIRE REDUCED VOLTAGE STARTING AND ARE NEVER RECOMMENDED FOR USE WITH 240/120V, 1 PH, 3 W SERVICE			
TOTAL BUILDING SQUARE FOOTAGE:	10250	S.F.				
INDIVIDUAL UNIT SQUARE FOOTAGE:	0	S.F.				
INDIVIDUAL UNIT DESIGNATION:		(MULT OCCUPANCY)				

LOAD SOURCE	1Φ KVA	3Φ KVA	OR	1Φ KW	3Φ KW
BUILDING LIGHTING				3.0	
ELECTRIC WATER HEATING				2.0	
HEAT PUMPS				4.4	
SUPPLEMENTAL HEAT SYSTEMS					0.0
AIR COND CONDENSING UNITS					31.0
ELEC HEATING (PRIMARY) AHU'S					20.0
COOKING				0.0	
REFRIGERATION				0.0	
RECEPTACLES (STANDARD)				9.0	
RECEPTACLES (COMPUTER)				0.0	
TOTAL MOTORS (EXCLUDE HVAC)				0.0	
EXTERIOR LIGHTING				1.0	
MISCELLANEOUS - CEILING FANS				6.0	
OTHER				65.0	22.5
TOTAL CONNECTED LOAD	0.0	0.0		90.4	73.5

ELECTRICAL LOAD SUMMARY

POWER COMPANY:	CLECO					
PROJECT NAME:	SEC - SPECIALTY ENHANCED IMAGING SMALL BUILDING					
PROJECT ADDRESS:	429 SOUTH STREET					
CITY TOWN:	SLIDELL, LOUISIANA 70460					
INTENDED USER:	WAREHOUSE					
REQUIRED SERVICE:	208/120	VOLTS	1	PHASE	3	WIRE
SERV ENTR SIZE:	100	AMPS				
HVAC TONNAGE:	6	TONS				
LARGEST MOTOR:		HP	NOTE: MOTORS ABOVE 20 HP MAY REQUIRE REDUCED VOLTAGE STARTING AND ARE NEVER RECOMMENDED FOR USE WITH 240/120V, 1 PH, 3 W SERVICE			
TOTAL BUILDING SQUARE FOOTAGE:	2375	S.F.				
INDIVIDUAL UNIT SQUARE FOOTAGE:	0	S.F.				
INDIVIDUAL UNIT DESIGNATION:		(MULT OCCUPANCY)				

LOAD SOURCE	1Φ KVA	3Φ KVA	OR	1Φ KW	3Φ KW
BUILDING LIGHTING				0.8	
ELECTRIC WATER HEATING				0.0	
HEAT PUMPS				0.0	
SUPPLEMENTAL HEAT SYSTEMS				0.0	
AIR COND CONDENSING UNITS				5.6	
ELEC HEATING (PRIMARY) AHU'S				7.2	
COOKING				0.0	
REFRIGERATION				0.0	
RECEPTACLES (STANDARD)				2.2	
RECEPTACLES (COMPUTER)				0.0	
TOTAL MOTORS (EXCLUDE HVAC)				0.0	
EXTERIOR LIGHTING				0.0	
MISCELLANEOUS - CEILING FANS				0.0	
OTHER				0.0	
TOTAL CONNECTED LOAD	0.0	0.0		15.8	0.0

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Slidell, LA 70458

REVISIONS

#	DESCRIPTION	DATE

SEAL:

NEW WAREHOUSE
SEC-SPECIALITY ENHANCED IMAGING
429 SOUTH STREET
SLIDELL, LA 70460

JOB No:	2485	DATE:	08-20-2025
DRAWN BY:	DD/JTL	CHECKED BY:	BAM

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SHEET TITLE:
SERVICE ENTRANCE DIAGRAM & LOAD SUMMARIES

DRAWING NUMBER:
E106

SHEET No: 30 of 15

FILE NAME: J:\... Office Warehouse\2485 - Bldg Style 429 South Street Slidell\Drawings\Current Drawings\E106 - Service Entrance Diagram.dwg PLOT DATE & TIME: Wednesday, August 20, 2025 10:05:53 AM