FILE NAME: J:\... Office_Brentwood\Drew Manual\Drawings\Current_Drawings\E102 - Panel Schedule and One Line.dwg, PLOT DATE & TIME: Monday, November 14, 2022, 1:33:14 PM

PANEL SCHEDULE

PANEL: PANEL PP1
LOCATION: KITCHEN
FEEDER SOURCE: UTILITY

VOLTAGE: 120/208V, 200A, 3Φ, 4W
ENCLOSURE: FLUSH MOUNTED, NEMA 1 FNLED W/EQUIP GND BAR, 200A M/B, 22 KAIC

CKT NO	THHN WIRE SIZE	LOAD DESCRIPTION / LOCATION	BREAKER AMP	BREAKER POLE	LOAD (kva)	AΦ BΦ CΦ	LOAD (kva)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION / LOCATION	THHN WIRE SIZE	CKT NO
1	#12	RECEPTACLES, OFFICES	20	1	1.4		1.8	1	20	LIGHTS, STUDIO	#12	2
3	#12	RECEPTACLES, WAREHOUSE	20	1	1.4		1.0	1	20	LIGHTS, EXTERIOR	#12	4
5	#12	RECEPTACLES, WAREHOUSE	20	1	1.4		1.0	1	20	LIGHTS, KITCHEN AND PANTRY	#12	6
7	#12	RECEPTACLES, KITCHEN	20	1	1.3		0.9	1	20	LIGHTS, COUNTER AND BATHROOMS	#12	8
9	#12	RECEPTACLES, STUDIO	20	1	1.3		1.0	1	20	LIGHTS, OFFICES AND RESTROOMS	#12	10
11	#12	RECEPTACLES, STUDIO AND PORCH	20	1	1.3		1.0	1	20	LIGHTS, OFFICES AND RESTROOMS	#12	12
13	#12	RECEPTACLES, COUNTER	20	1	1.1		1.8	1	20	LIGHTS, WAREHOUSE AND STORAGE	#12	14
15	#12	WATER WELL	20	1	1.2		1.0	1	20	WASHER	#12	16
17	#12	SEWER TREATMENT PLANT	20	1	1.2		0	1	20	SPARE	#12	18
19	#12	FREEZER	20	1	1.2		2.5	2	30	WATER HEATER	#10	20
21	#12	REFRIGERATOR	20	1	1.2		2.5					22
23	#12	ICE MAKER	20	1	1.2		2.4	2	30	DRYER	#10	24
25	#12	DISH WASHER	20	1	1.2		2.4					26
27	#8	MINI SPLITS MS-1 AND MS-2	35	2	1.6		3.0	2	50	RANGE	#8	28
29					1.6		3.0					30
31	#10	AHU-1	25	2	1.5		0.6	2	15	CU-1	#12	32
33					1.5		0.6					34
35	#8	AHU-2	40	2	3.0		1.1	2	25	CU-2	#10	36
37					3.0		1.1					38
39	#10	AHU-3	30	2	2.2		1.7	2	35	CU-3	#8	40
41					2.2		1.7					42

SOLID NEUTRAL NEUTRAL WIRE (N)

TOTAL CONNECTED LOAD = 64.7 KVA

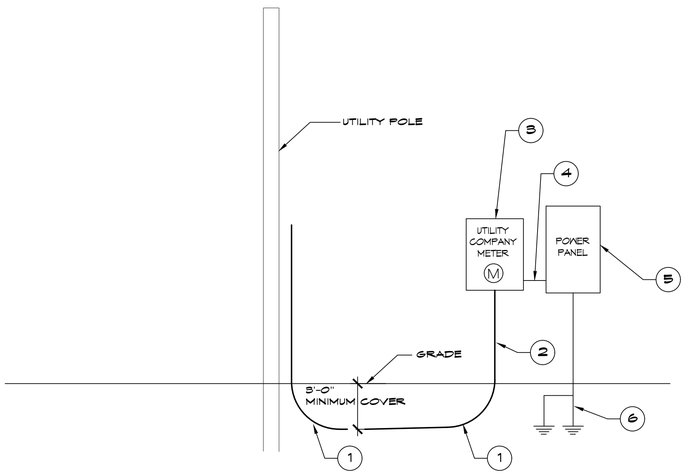
AΦ = 21.4 KVA | BΦ = 21.2 KVA | CΦ = 22.1 KVA

GROUND BUS GROUND WIRE (G)

ELECTRICAL LOAD SUMMARY

POWER COMPANY:	CLECO				
PROJECT NAME:	DREW MANUAL				
PROJECT ADDRESS:	59216 AMBER STREET				
CITY TOWN:	SLIDELL, LOUISIANA 70416				
INTENDED USER:	ART GALLERY				
REQUIRED SERVICE:	208V/120 VOLTS	3 PHASE	4 WIRE		
SERV ENTR SIZE:	240 AMPS				
HVAC TONNAGE:	13 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:	6000 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		7.1			
ELECTRIC WATER HEATING					
HEAT PUMPS		3.2			
SUPPLEMENTAL HEAT SYSTEMS					
AIR COND CONDENSING UNITS		6.8			
ELEC HEATING (PRIMARY) AHU'S		13.4			
COOKING		6.0			
REFRIGERATION		2.4			
RECEPTACLES (STANDARD)		9.2			
RECEPTACLES (COMPUTER)					
TOTAL MOTORS (EXCLUDE HVAC)					
EXTERIOR LIGHTING		1.0			
MISCELLANEOUS - CEILING FANS					
OTHER		15.6			
TOTAL CONNECTED LOAD	0.0	64.7		0.0	0.0



ONE LINE NOTES:

1. 36" LONG SWEEP ELBOW
2. PROVIDE TWO (2) 4" SCHEDULE 40 PVC CONDUIT BELOW GRADE AND SCH 80 PVC CONDUIT ABOVE GRADE WITH SUITABLE FISH WIRE.
3. 120/208V 3Φ 200amp METER PAN.
4. 4-4/0 THHN, 1-#2 GND, 2 1/2" C
5. 120/208V 3Φ 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.

20 RISER DIAGRAM
SCALE: NONE

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REVISIONS

#	DESCRIPTION	DATE

SEAL:

STATE OF LOUISIANA
BRIAN A. MISTICH
License No. 30187
PROFESSIONAL ENGINEER

NEW BUILDING
DREW MANUAL
40081 CORAL STREET
SLIDELL, LA 70416

JOB No:
DRAWN BY: CAD
DATE: 11-15-2022
CHECKED BY: BAM

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SHEET TITLE:
POWER PANEL AND ONE LINE DIAGRAM

DRAWING NUMBER:
E102

SHEET No: 13 of 12