PANEL SCHEDULE

PANEL: P1
LOCATION: REAR WALL
FEEDER SOURCE: UTILITY

VOLTAGE: 208/120V, 200A, 3Ø, 4W MAIN BREAKER
ENCLOSURE: FLUSH MOUNTED W/ EQUIPMENT GND BAR SQUARE D, I-LINE PANELBOARD

CKT NO	THHN WIRE SIZE	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)		LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT NO
1	#8	AIR HANDLING UNIT - A	40	3	3500	A Ø	3500	3	40	CONDENSER UNIT - A	#8	2
3					3500	B Ø	3500					4
5					3500	C Ø	3500					6
7	#10	AIR HANDLING UNIT - B	30	2	1800	A Ø	1500	2	20	CONDENSER UNIT - B	#12	8
9					1800	B Ø	1500					10
11	#10	50 GALLON WATER HEATER	30	2	1800	C Ø	1440	1	20	RECEPTACLES	#12	12
13					1800	A Ø	320	1	20	RECEPTACLES, AC CONDENSERS	#12	14
15	#8	RANGE	50	2	2500	B Ø	1080	1	20	RECEPTACLES, FRONT	#12	16
17					2500	C Ø	900	1	20	RECEPTACLES, LEFT	#12	18
19	#12	FLUORESCENT LIGHTING	20	1	2100	A Ø	720	1	20	RECEPTACLES, REAR	#12	20
21	#12	FLUORESCENT LIGHTING	20	1	1400	B Ø	1500	1	20	RECEPTACLES, KITCHEN COUNTER	#12	22
23	#12	EXTERIOR LIGHTING, FRONT	20	1	500	C Ø	1500	1	20	RECEPTACLES, KITCHEN COUNTER	#12	24
25	#12	LIGHTING, BATHROOMS	20	1	400	A Ø		1	20	MICROWAVE, RECEPTACLES	#12	26
27	#12	LIGHTING	20	1	300	B Ø		1	20	SPARE		28
29	#12	LIGHTING, KITCHEN	20	1	1000	C Ø		1	20	SPARE		30
31	#12	LIGHTING	20	1	700	A Ø						32
33						B Ø						34
35						C Ø						36
37						A Ø						38
39						B Ø						40
41						C Ø						42

SOLID NEUTRAL
NEUTRAL WIRE (N)

TOTAL CONNECTED LOAD (VA) = 50,080

A Ø = 16,340 | B Ø = 17,080 | C Ø = 16,640

GROUND BUS
GROUND WIRE (G)

ELECTRICAL LOAD SUMMARY

CLECO POWER COMPANY

PROJECT NAME: NEW BUILDING FPOR OUR LADY OF FATIMA

PROJECT ADDRESS: 66110 VORTISCH ROAD

CITY/TOWN: LACOMBE, LOUISIANA

INTENDED USER: OUR LADY OF FATIMA

REQ SERV: 208 V 3 PHASE 4 WIRES

SERV ENTR SIZE: 200 AMPS

HVAC TONNAGE: 10 TONS

LARGEST MOTOR: HP

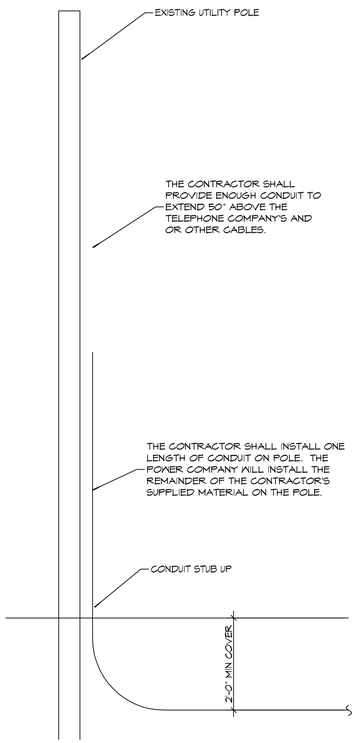
(NOTE: MOTORS ABOVE 20HP MAY REQUIRE REDUCED VOLTAGE STARTING AND ARE NEVER RECOMMENDED FOR USE W/ 120/240V, 1Ø, 3W SERVICE)

TOTAL BUILDING SQ FT: 2260 SF

INDIVIDUAL UNIT SQUARE FOOTAGE: SF (MULT OCCUPANCY)

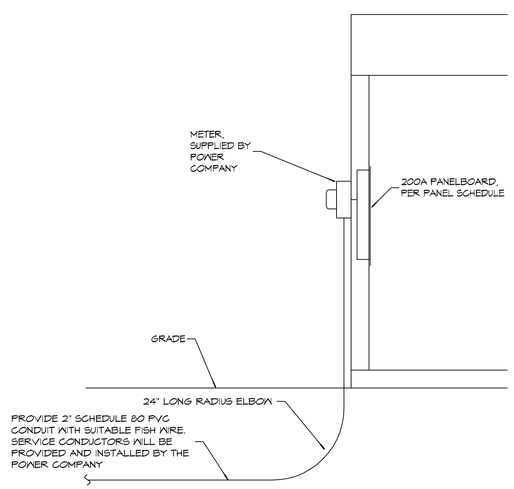
INDIVUDUAL UNIT DESIGNATION: (MULT OCCUPANCY)

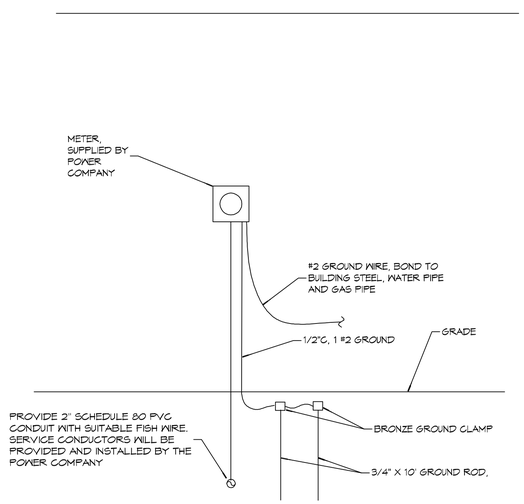
LOAD SOURCE	1Ø-KVA	3Ø-KVA	OR	1Ø-KW	3Ø-KW
BUILDING LIGHTING	6.9				
ELECTRIC WATER HEATING	3.0				
HEAT PUMPS		13.5			
SUPPLEMENTAL HEAT SYSTEMS		14			
AIR COND CONDENSING UNITS	0				
ELEC HEATING (PRIMARY) - AHU's	0				
COOKING	5.0				
REFRIGERATION	1.6				
RECEPTACLES (STANDARD)	6.0				
RECEPTACLES (COMPUTER)	0				
TOTAL MOTORS (EXCLUDE HVAC)	0				
EXTERIOR LIGHTING	0.5				
MISCELLANEOUS - CEILING FANS	0				
OTHER (POOL EQUIPMENT, TENNANT)	0				



RISER DIAGRAM

SCALE: NONE





SERVICE ENTRANCE

SCALE: NONE

DAMMON ENGINEERING, INC.
LOUISIANA & MISSISSIPPI
www.dammonengineering.com
info@dammonengineering.com
PH: 985-649-5302

Chief Engineer: Brian Mistich, PE
55 Corporate Park Trail
Slidell, LA 70458

#	DESCRIPTION	DATE

REVISIONS

SEAL:

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

MULTI PURPOSE BUILDING
OUR LADY OF FATIMA
66110 VORTISCH ROAD
LACOMBE, LOUISIANA 70445

JOB No: 2310 DATE: 08-17-2020
DRAWN BY: RLD CHECKED BY: AEP

The contractor is responsible for confirming and verifying all joints, members, and dimensions shown on shop drawings prior to fabrication and assembly. Any errors or omissions noted on shop drawings must be reported to the engineer prior to fabrication. Shop drawings must be reviewed and approved by the engineer before fabrication. Dimensions for steel to be bent provided and verified by contractor without notice covering all bending operations. Contractor assumes all responsibility for the accuracy and completeness of shop drawings.

SHEET TITLE:
ELECTRICAL PANEL AND ONE LINE DIAGRAM

DRAWING NUMBER:

E102

SHEET No: 12 of 12

FILE NAME: J:\-DAMMON\2370 - Our Lady Of Fatima Lacombe\Drawings\Current Drawings\E102 - Electric Circuit Panels & One-Line.dwg PLOT DATE & TIME: Wednesday, October 14, 2020 10:50:08 AM