FILE NAME: J:\~ CHURCHES\2370 - Our Lady Of Fatima Lacombe\Drawings\Current Drawings\E102 - Electric Circuit Panels & One-Line.dwg PLOT DATE & TIME: Tuesday, July 7, 2020 11:21:33 AM

PANEL SCHEDULE

PANEL: P1
LOCATION: REAR WALL
FEEDER SOURCE: UTILITY

VOLTAGE: 208/120V, 200A, 3Φ, 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					3500	3500					2
3	#8	AIR HANDLING UNIT - A	40	3	3500	3500	3	40	CONDENSER UNIT - A	#8	4
5					3500	3500					6
7	#10	AIR HANDLING UNIT - B	30	2	1800	1500	2	20	CONDENSER UNIT - B	#12	8
9					1800	1500					10
11	#10	WATER HEATER	30	2	1800	1440	1	20	RECEPTACLES	#12	12
13					1800	320	1	20	RECEPTACLES, AC CONDENSERS	#12	14
15	#8	RANGE	50	2	2500	1080	1	20	RECEPTACLES, FRONT	#12	16
17					2500	900	1	20	RECEPTACLES, LEFT	#12	18
19	#12	FLUORESCENT LIGHTING	20	1	2100	720	1	20	RECEPTACLES, REAR	#12	20
21	#12	FLUORESCENT LIGHTING	20	1	1400	1500	1	20	RECEPTACLES, KITCHEN COUNTER	#12	22
23	#12	EXTERIOR LIGHTING, FRONT	20	1	500	1500	1	20	RECEPTACLES, KITCHEN COUNTER	#12	24
25	#12	LIGHTING, BATHROOMS	20	1	400		1	20	MICROWAVE, RECEPTACLES	#12	26
27	#12	LIGHTING	20	1	300		1	20	SPARE		28
29	#12	LIGHTING, KITCHEN	20	1	1000		1	20	SPARE		30
31	#12	LIGHTING	20	1	700						32
33											34
35											36
37											38
39											40
41											42

SOLID NEUTRAL
NEUTRAL WIRE (W)

TOTAL CONNECTED LOAD (VA) = 50,060

AΦ = 16,340 | BΦ = 17,080 | CΦ = 16,640

GROUND BUS
GROUND WIRE (G)

ELECTRICAL LOAD SUMMARY

C L E C O POWER COMPANY

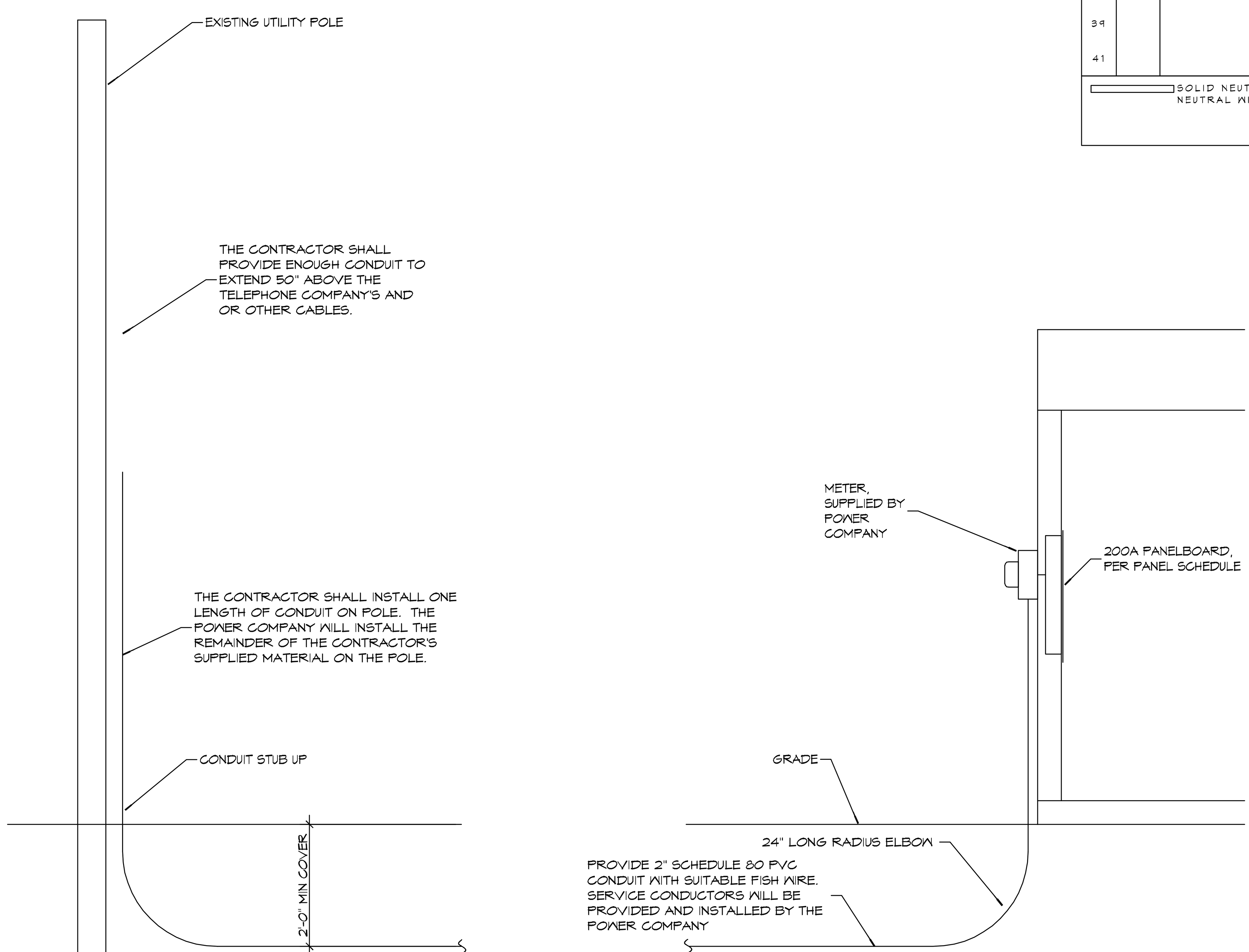
PROJECT NAME: NEW BUILDING FPOR OUR LADY OF FATIMA
PROJECT ADDRESS: 66110 VORTISCH ROAD
CITY/TOWN: LACOMBE, LOUISIANA
INTENDED USER: OUR LADY OF FATIMA

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, 1Φ, 3W SERVICE)

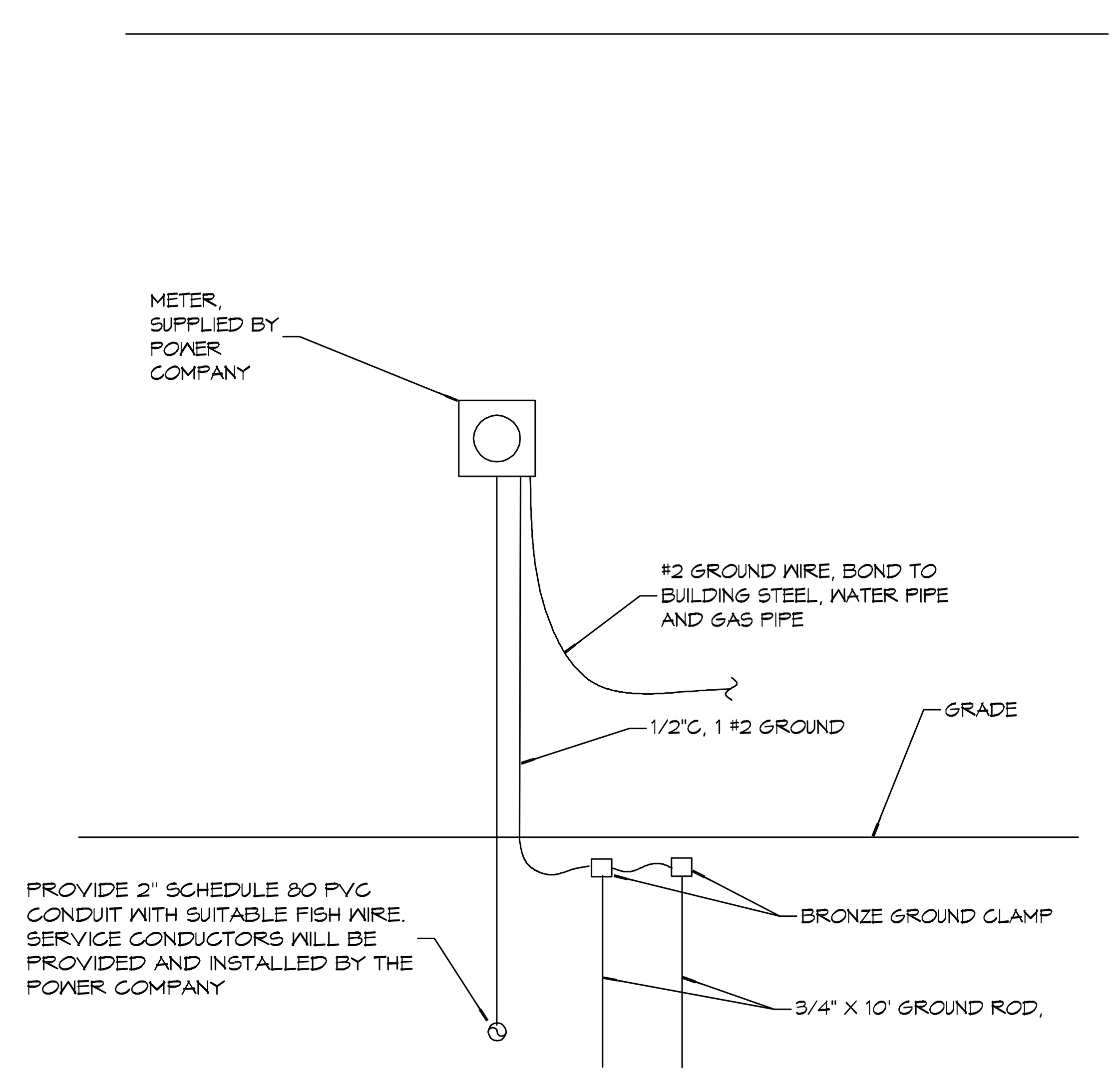
TOTAL BUILDING SQ FT: 2260 SF
INDIVIDUAL UNIT SQUARE FOOTAGE: SF (MULT OCCUPANCY)
INDIVUDUAL UNIT DESIGNATION: (MULT OCCUPANCY)

LOAD SOURCE	1Φ-kVA	3Φ-kVA	OR	1Φ-kW	3Φ-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

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#	DESCRIPTION	DATE

REVISIONS

SEAL:

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

JOB No: 2370 DATE: 06-17-2020
DRAWN BY: RLD CHECKED BY: AEP

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SHEET TITLE:
ELECTRICAL PANEL AND ONE LINE DIAGRAM

DRAWING NUMBER:
E102