PANEL SCHEDULE

PANEL: NEW MDP
LOCATION: BLDG FRONT WALL
FEEDER SOURCE: CLECO

VOLTAGE: 240V 1Φ 400Amp; 56k AIC; NEMA 3R
ENCLOSURE: SURFACE MOUNTED W/ EQUIPMENT GND BAR SQ D TYPE QO LOAD CENTER

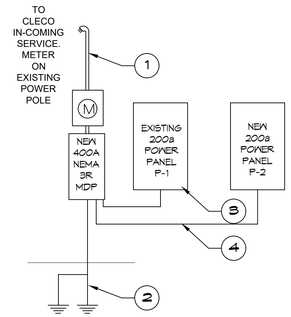
CKT NO	THHN WIRE SIZE	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (kva)	AΦ	BΦ	LOAD (kva)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT NO
1	-	EXISTING 200a 1Φ PANEL	200	2	22.7			25.5	2	200	NEW 200a 1Φ PANEL	-	2
3					22.6			23.4					4
5													6
7													8

SOLID NEUTRAL
NEUTRAL WIRE (N)

TOTAL CONNECTED LOAD (kva) = 94.2

AΦ = 48.2 BΦ = 46.0

GROUND BUS
GROUND WIRE (G)



ONE LINE NOTES:

1. NEW 400a 1Φ WEATHERHEAD AND METER PAN.
2. 2-3/4" X 10' CU CLAD GND ROD, #1/0 CU GND WIRE. PROTECT IN PVC PIPE. CONNECT TO METAL BLDG, COLD WATER SUPPLY & GAS LINE. CAD WELD ALL CONNECTIONS.
3. RE-TERMINATE PANEL P1 TO NEW MDP. USE NEW COPPER WIRE.
4. 3-4/0 THHN, #4 GND, 3" C

24 ONE LINE DIAGRAM
SCALE:

PANEL SCHEDULE

PANEL: EXISTING P1
LOCATION: LOCATION
FEEDER SOURCE: CLECO

VOLTAGE: 240V 1Φ 200Amp MB
ENCLOSURE: FLUSH MOUNTED W/ EQUIPMENT GND BAR SQ D TYPE QO LOAD CENTER

CKT NO	THHN WIRE SIZE	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (kva)	AΦ	BΦ	LOAD (kva)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT NO
1	-	EXISTING AHU & HEATER	60	2	6.5			3.5	1	40	EXISTING 4TON CU	-	2
3					6.5			3.5					4
5	-	STOVE	50	2	4.0			1.0	1	15		-	6
7					4.0			1.0	1	15		-	8
9	-	*** SUB PANEL -- DEMO'd	100	2	15.0			1.4	1	20	FELLOWSHIP OUTLETS	-	10
11					13.2			1.4	1	20		-	12
13	-	BACK WALL OUTLETS	20	1	1.4			1.4	1	20		-	14
15	-	L - DIVIDER WALL OUTLETS	20	1	1.4			1.4	1	15	FELLOWSHIP OUTLETS	-	16
17	-	KITCHEN LIGHTS	20	1	1.4			1.4	1	20	L - DIVIDER WALL OUTLETS	-	18
19	-	R - DIVIDER WALL OUTLETS	20	1	1.4			1.4	1	20	R - DIVIDER WALL OUTLETS	-	20
21	-	BATHROOM LIGHTS	20	1	1.4			1.4	1	20		-	22
23	-	BACK WALL OUTLETS & DISHWASHER	20	1	1.8			1.4	1	20	EXISTING 4 TON A/C FAN	-	24
25	-	SPACE		1	-			1.4	1	20	BACK WALL OUTLETS	-	26
27	-	SPACE		1	-			1.4	1	20	BACK WALL OUTLETS	-	28
29	-	SPACE		1	-			0.5	1	20	WASHER OUTLET	-	30

SOLID NEUTRAL
NEUTRAL WIRE (N)

TOTAL CONNECTED LOAD (kva) = 53.3

AΦ = 26.7 BΦ = 26.6

GROUND BUS
GROUND WIRE (G)

PANEL SCHEDULE

PANEL: NEW P2
LOCATION: LOCATION
FEEDER SOURCE: MDP

VOLTAGE: 240V 1Φ 200Amp MB
ENCLOSURE: FLUSH MOUNTED W/ EQUIPMENT GND BAR SQ D TYPE QO LOAD CENTER

CKT NO	THHN WIRE SIZE	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (kva)	AΦ	BΦ	LOAD (kva)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT NO
1	-	NEW AHU-2	35	2	3.7			3.9	2	50	NEW CU-2	-	2
3					3.7			3.9					4
5	-	NEW AHU-3	60	2	6.7			3.9	2	50	NEW CU-3	-	6
7					6.7			3.9					8
9	-	NEW AHU-4 (OPTIONAL)	15	2	0.4			2.2	2	30	NEW OPTIONAL CU-4	-	10
11					0.4			2.2					12
13	12	BATHROOM FANS AND OUTLETS	20	1	1.2			1.3	1	20	OUTLETS IN AUDITORIUM	12	14
15	12	WATER FOUNTAIN	20	1	0.5			1.1	1	20	CLASSROOMS	12	16
17	12	CLASSROOMS	20	1	1.1			1.1	1	20	CLASSROOM & WOMEN'S RESTROOM	12	18
19	12	LIGHTING	20	1	1.0			-	1	20	SPARE	-	20
21	-	SPARE	20	1	-			-	1	20	SPARE	-	22
23	-	SPACE		1	-			-	1		SPACE	-	24
25	-	SPACE		1	-			-	1		SPACE	-	26
27	-	SPACE		1	-			-	1		SPACE	-	28
29	-	SPACE		1	-			-	1		SPACE	-	30

SOLID NEUTRAL
NEUTRAL WIRE (N)

TOTAL CONNECTED LOAD (kva) = 49.9

AΦ = 25.5 BΦ = 23.4

GROUND BUS
GROUND WIRE (G)

25 PANEL BOARD SCHEDULES
SCALE:

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REVISIONS

#	DESCRIPTION	DATE

Brian La Stamp Professional.jpg
7/25/2023

COMMUNITY BAPTIST CHURCH
5413 BADON RD
SLIDELL, LA 70460

JOB No:	2493	DATE:	10/09/2023
DRAWN BY:	CKD	CHECKED BY:	BAM

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SHEET TITLE:
PANEL SCHEDULES & ONE LINE DIAGRAM

DRAWING NUMBER:
E103

SHEET No: 14 of 14