FILE NAME: J:\--CURRENT\1401 - Community Baptist Church, Slidell\Drawings\Current Drawings\E103 - One Line Diagrams and Panel Schedules.dwg, 8/15 DATE & TIME: Thursday, October 26, 2023, 3:09:15 PM

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

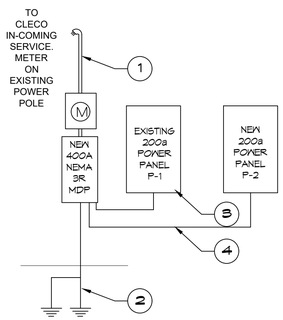
CKT NO	THHN WIRE SIZE	LOAD DESCRIPTION / LOCATION	BREAKER AMP	BREAKER POLE	LOAD (kva)	AΦ BΦ	LOAD (kva)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION / LOCATION	THHN WIRE SIZE	CKT NO
1	-	EXISTING 200a 1Φ PANEL	200	2	22.7		25.5	2	200	NEW 200a 1Φ PANEL	-	2
3					22.6		23.4					4
5												6
7												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) = 48.9

AΦ = 25.5 BΦ = 23.4

GROUND BUS GROUND WIRE (G)

25 PANEL BOARD SCHEDULES
SCALE:

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REVISIONS

#	DESCRIPTION	DATE

STATE OF LOUISIANA
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JOB No: 2483 DATE: 10/10/2023
DRAWN BY: CKD CHECKED BY: BAM

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SHEET TITLE:
PANEL SCHEDULES & ONE LINE DIAGRAM

DRAWING NUMBER:
E103

SHEET No: 15 of 15