PANEL SCHEDULE

PANEL: LP1
LOCATION: STORAGE RM 108
FEEDER SOURCE: MDP

VOLTAGE:
ENCLOSURE: 208/120V, 100A, 3Ø, 4W (N/MLO), 22KIG
FLUSH MOUNTED W/ EQUIPMENT GND
BAR 80 D TYPE QO LOAD CENTER

CKT NO	THHN WIRE SIZE	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (kVa)	AØ BØ CØ	LOAD (kVa)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT NO
1	-	AHU-4 (3 TON)	15	2	1.0		2.0	2	30	CU-4 (3 TON)	-	2
3					1.0		2.0					4
5	#10	INSTANT WATER HEATER, WOMENS RESTROOM	30	1	3.4		0.1	1	20	VESTIBULE WATER FOUNTAIN	#12	6
7	#10	INSTANT WATER HEATER, MENS RESTROOM	30	1	3.4		1.3	1	20	OUTLETS	#12	8
9	#12	RESTROOM OUTLETS	20	1	0.1		0.4	1	20	ATTIC & LOFT OUTLETS	#12	10
11	#12	PENDANT LIGHTS IN SANCTUARY & 2ND FLR	20	1	1.4		1.0	1	20	LIGHTS	#12	12
13	-	SPARE	20	1	-		-	1	20	SPARE	-	14
15	-	SPARE	20	1	-		-	1	20	SPARE	-	16
17	-	SPARE	20	1	-		-	1	20	SPARE	-	18

SOLID NEUTRAL
NEUTRAL WIRE (N)

TOTAL CONNECTED LOAD (kva) = 18.3

AØ = 7.7 | BØ = 4.1 | CØ = 6.5

GROUND BUS
GROUND WIRE (G)

PANEL SCHEDULE

PANEL: MCC
LOCATION: CORRIDOR 104
FEEDER SOURCE: ENTERGY

VOLTAGE:
ENCLOSURE: 208/120V, 400A, 3Ø, 4W (N/MB), 22KIG
FLUSH MOUNTED W/ EQUIPMENT GND
BAR 80 D TYPE QO LOAD CENTER

CKT NO	THHN WIRE SIZE	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (kVa)	AØ BØ CØ	LOAD (kVa)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT NO
1	-	AHU-1 (20 TON)	25	3	2.0		12.3	3	125	CU-1 (20 TON)	-	2
3					2.0		12.3					4
5					2.0		12.3					6
7	-	AHU-2 (2 TON)	15	2	1.0		1.1	2	15	CU-2 (2 TON)	-	8
9					1.0		1.1					10
11	-	AHU-3 (2-1/2 TON)	15	2	1.0		1.7	2	25	CU-3 (2-1/2 TON)	-	12
13					1.0		1.7					14
15	-	AHU-5 (3 TON)	15	2	1.0		3.4	2	50	CU-5 (3 TON)	-	16
17					1.0		3.4					18
19	#10	5.5 kw BAPTISTRY HEATER	30	2	2.7		0.8	1	15	HOOD CONTROLLER	#12	20
21					2.7		1.6	1	25	KEF-1; SHUNT TRIP, ROUTE THRU HOOD CONTROLLER	#12	22
23	#10	BAPTISTRY HEATER CIRCULATION PUMP	20	1	1.6		1.3	1	20	KEF-1; SHUNT TRIP, ROUTE THRU HOOD CONTROLLER	#12	24
25	#10	CLOTHES DRYER	30	2	2.5		0.5	1	20	WASHING MACHINE	#12	26
27					2.5		-	1	20	SPARE	-	28
29	-	SPARE	20	1	-		-	1	20	SPARE	-	30
31	-	SPARE	20	1	-		-	1	20	SPARE	-	32
33	-	SPARE	20	1	-		-	1	20	SPARE	-	34
35	-	SPARE	20	1	-		-	1	20	SPARE	-	36
37	-	SPARE	20	1	-		36	3	100	LP2	-	38
39	-	SPARE	20	1	-		32.0					40
41	-	SPARE	20	1	-		24.3					42

SOLID NEUTRAL
NEUTRAL WIRE (N)

TOTAL CONNECTED LOAD (kva) = 93.0

AØ = 32.4 | BØ = 32.4 | CØ = 28.1

GROUND BUS
GROUND WIRE (G)

PANEL SCHEDULE

PANEL: LP2
LOCATION: CORRIDOR 104
FEEDER SOURCE: MCC

VOLTAGE:
ENCLOSURE: 208/120V, 100A, 3Ø, 4W (N/MLO), 10KIG
FLUSH MOUNTED W/ EQUIPMENT GND
BAR 80 D TYPE QO LOAD CENTER

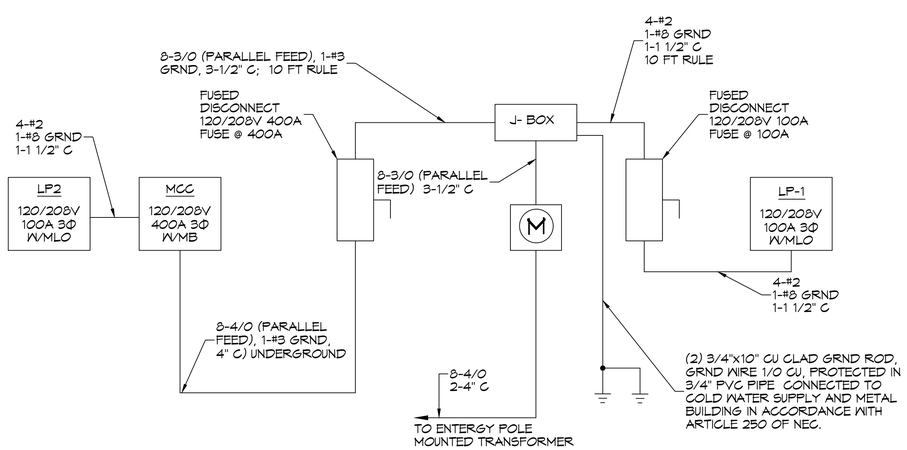
CKT NO	THHN WIRE SIZE	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (kVa)	AØ BØ CØ	LOAD (kVa)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT NO
1	#12	ADMIN OFFICE 110	20	1	1.1		0.9	1	20	SOUND CLOSET 114; DEDICATED	#12	2
3	#12	PASTOR OFFICE 111	20	1	0.1		0.9	1	20	SOUND CLOSET 114; DEDICATED	#12	4
5	#12	KITCHEN, MICROWAVE	20	1	1.5		0.9	1	20	SOUND CLOSET 114; DEDICATED	#12	6
7	#12	KITCHEN, ICE MACHINE	20	1	1.9		1.9	1	20	KITCHEN OUTLETS	#12	8
9	#12	KITCHEN, DISHWASHER	20	1	1.2		1.9	1	20	KITCHEN REFRIGERATOR	#12	10
11	#12	KITCHEN, FREEZER	20	1	1.5		0.9	1	20	CHOIR	#12	12
13	#12	STAGE Right	20	1	0.2		0.2	1	20	PULPIT	#12	14
15	#12	STAGE LEFT	20	1	0.2		0.9	1	20	MULTI-PURPOSE RM OUTLETS	#12	16
17	#12	2ND FLR & ATTIC OUTLETS	20	1	0.1		0.7	1	20	MULTI-PURPOSE RM OUTLETS	#12	18
19	#12	LIGHTS	20	1	1.0		1.9	1	20	LIGHTS	#12	20
21	-	SPARE	20	1	-		-	1	20	SPARE	-	22
23	-	SPARE	20	1	-		-	1	20	SPARE	-	24
25		SPACE								SPACE		26
27		SPACE								SPACE		28
29		SPACE								SPACE		30
31		SPACE								SPACE		32
33		SPACE								SPACE		34
35		SPACE								SPACE		36
37		SPACE								SPACE		38
39		SPACE								SPACE		40
41		SPACE								SPACE		42

SOLID NEUTRAL
NEUTRAL WIRE (N)

TOTAL CONNECTED LOAD (kva) = 17.5

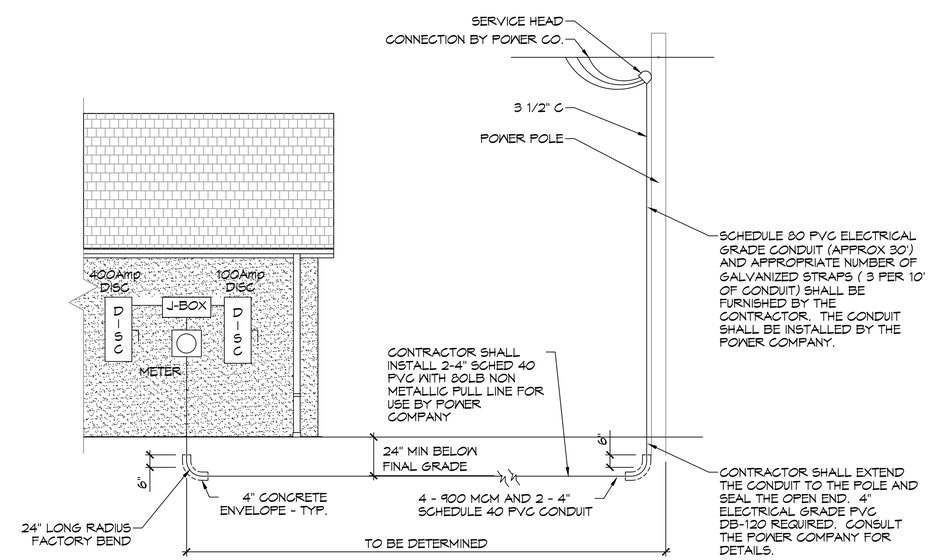
AØ = 7.5 | BØ = 4.6 | CØ = 5.4

GROUND BUS
GROUND WIRE (G)



ONE LINE DIAGRAM

SCALE: NTS



ELECTRICAL SERVICE DETAIL

SCALE: NTS

DAMMON ENGINEERING, INC.
LOUISIANA & MISSISSIPPI
www.dammonengineering.com
www.dammonengineering.com
SEAN A. DAMMON, PE
Chief Engineer: Brian Mistich, PE
5540 Coleman Trail
Slidell, LA 70458
PH: 985.649.5832 F: 985.641.5950

#	DESCRIPTION	DATE

REVISIONS

THE SIXTH BAPTIST CHURCH BREAKAWAY ADDITION
425 FELICITY STREET
NEW ORLEANS LA 70130

JOB No: 24-10 | DATE: 03-26-2025
DRAWN BY: CKD | CHECKED BY: BAM

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SHEET TITLE:
CIRCUIT PANELS AND ONE-LINE DIAGRAM

DRAWING NUMBER:
E105

SHEET No: 15 of 15

FILE NAME: J:\- DAMMON\2470 - Sixth Baptist Church Felicity Street\Drawings\Current Drawings\E105 - Electric Circuit Panels & One-Line.dwg PLOT DATE & TIME: Tuesday, March 26, 2024 10:58:55 AM