PANEL SCHEDULE

PANEL: MCC
LOCATION: CORRIDOR 109
FEEDER SOURCE: ENTERGY
VOLTAGE: 208/120V, 400A, 3Φ, 4W W/MB; 22KIC
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)	LOAD (kva)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION / LOCATION	THHN WIRE SIZE	CKT NO
1	2/0	AHU-1 (20 TON) **	150	3	17.9	12.3	3	110	** CU-1 (20 TON)	#1	2
3					17.9	12.3					4
5					17.9	12.3					6
7	#12	AHU-2 (2 TON) **	15	2	1.0	1.1	2	15	** CU-2 (2 TON)	#12	8
9					1.0	1.1					10
11	#12	AHU-3 (2-1/2 TON) **	15	2	1.0	1.7	2	25	** CU-3 (2-1/2 TON)	#10	12
13					1.0	1.7					14
15	#12	AHU-5 (5 TON) **	15	2	1.0	3.4	2	50	** CU-5 (5 TON)	#6	16
17					1.0	3.4					18
19	#10	5.5 kw BAPTISTRY HEATER **	30	2	2.7	0.6	1	15	** HOOD CONTROLLER	#12	20
21					2.7	1.8	1	25	** KSF-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	-	6.5	3	100	LP2	-	38
39	-	SPARE	20	1	-	3.2					40
41	-	SPARE	20	1	-	5.4					42

SOLID NEUTRAL
NEUTRAL WIRE (W)
TOTAL CONNECTED LOAD (kva) = 140.1
AΦ = 47.8 BΦ = 46.9 CΦ = 45.6
GROUND BUS
GROUND WIRE (G)

** INSTALL BREAKER TO MATCH EQUIPMENT INSTALLED

PANEL SCHEDULE

PANEL: LP2
LOCATION: CORRIDOR 109
FEEDER SOURCE: MCC
VOLTAGE: 208/120V, 100A, 3Φ, 4W W/MLO; 10KIC
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)	LOAD (kva)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION / LOCATION	THHN WIRE SIZE	CKT NO
1	#12	ADMIN OFFICE 118	20	1	1.1	0.5	1	20	SOUND CLOSET 114; DEDICATED	#12	2
3	#12	PASTOR OFFICE 117	20	1	0.7	0.5	1	20	SOUND CLOSET 114; DEDICATED	#12	4
5	#12	KITCHEN, MICROWAVE	20	1	1.5	0.5	1	20	SOUND CLOSET 114; DEDICATED	#12	6
7	#12	KITCHEN, ICE MACHINE	20	1	1.5	1.5	1	20	KITCHEN OUTLETS	#12	8
9	#12	SPARE	20	1	-	1.5	1	20	KITCHEN REFRIGERATOR	#12	10
11	#12	KITCHEN, FREEZER	20	1	1.5	0.5	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	0.5	1	20	MULTI-PURPOSE RM OUTLETS	#12	16
17	#12	2ND FLR & ATTIC OUTLETS	20	1	0.7	0.7	1	20	MULTI-PURPOSE RM OUTLETS	#12	18
19	#12	LIGHTS	20	1	1.0	1.5	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 (W)
TOTAL CONNECTED LOAD (kva) = 15.0
AΦ = 6.5 BΦ = 3.2 CΦ = 5.4
GROUND BUS
GROUND WIRE (G)

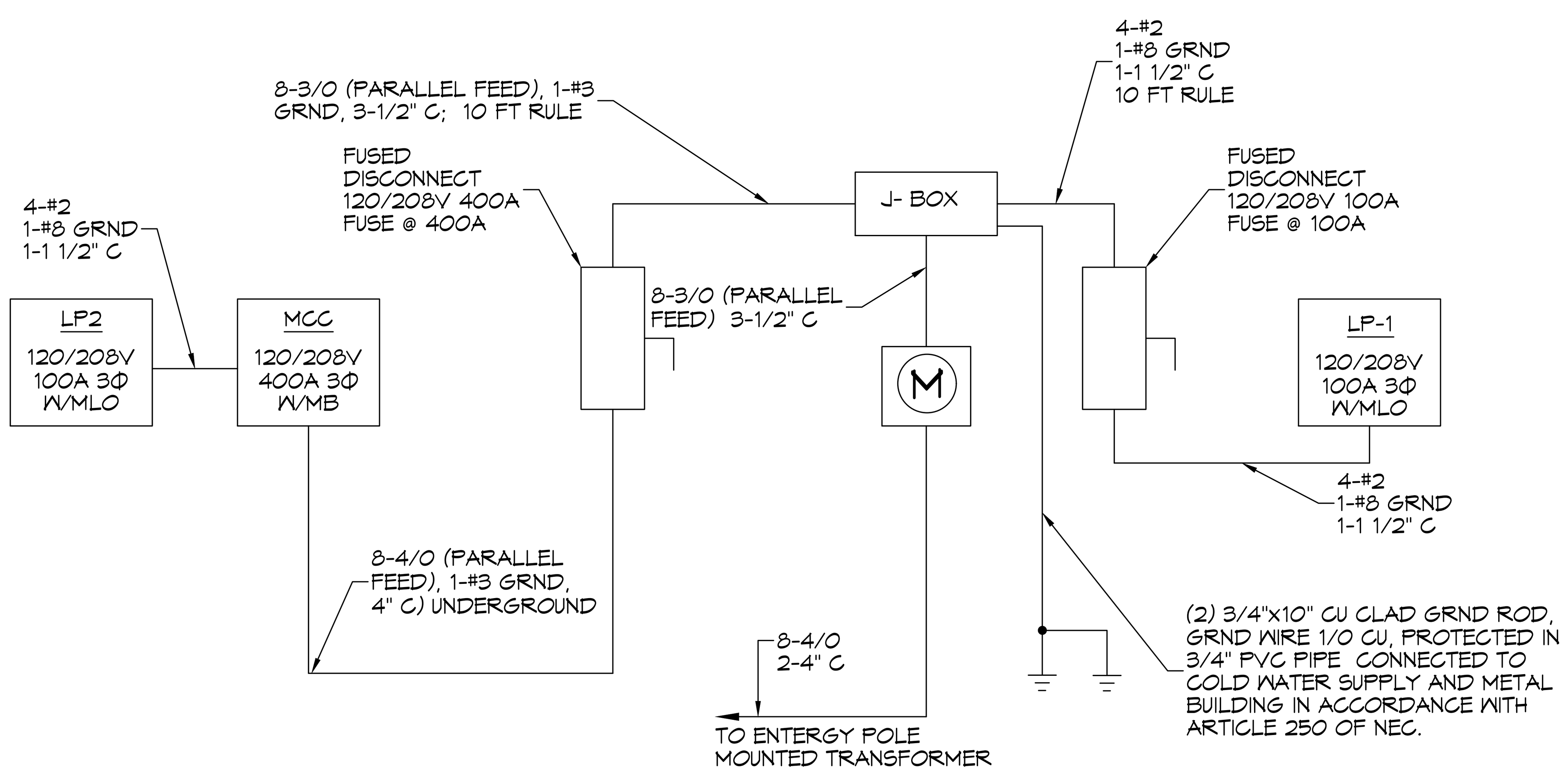
PANEL SCHEDULE

PANEL: LP1
LOCATION: STORAGE RM 105
FEEDER SOURCE: MDP
VOLTAGE: 208/120V, 100A, 3Φ, 4W W/MLO; 22KIC
ENCLOSURE: FLUSH MOUNTED W/ EQUIPMENT GND BAR SQ D TYPE QO LOAD CENTER

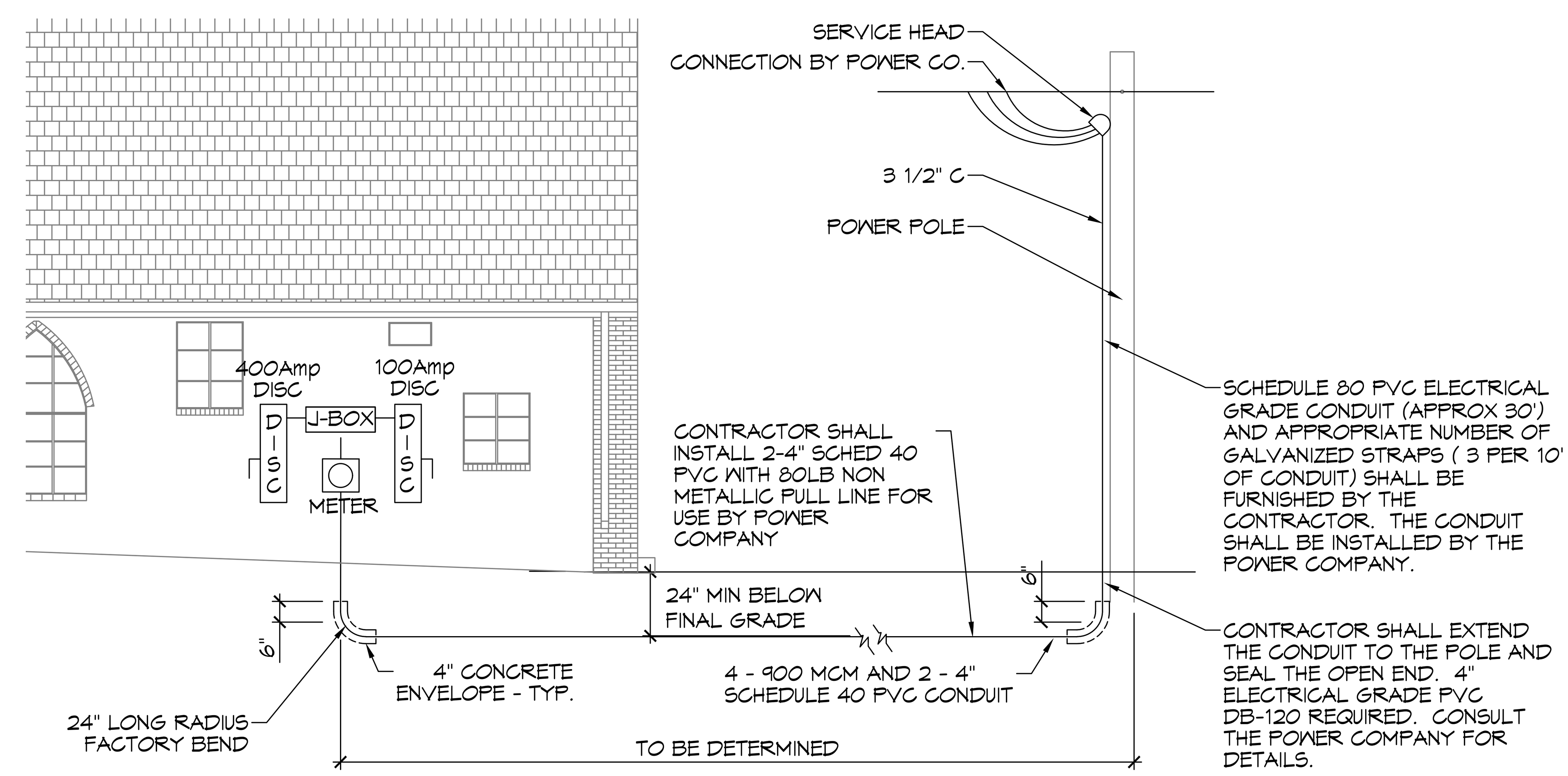
CKT NO	THHN WIRE SIZE	LOAD DESCRIPTION / LOCATION	BREAKER AMP	BREAKER POLE	LOAD (kva)	LOAD (kva)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION / LOCATION	THHN WIRE SIZE	CKT NO
1	#12	AHU-4 (3 TON) **	15	2	1.0	2.0	2	30	** CU-4 (3 TON)	#10	2
3					1.0	2.0					4
5	#10	INSTANT WATER HEATER, WOMENS RESTROOM	30	1	3.4	0.7	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	0.7	0.4	1	20	ATTIC & LOFT OUTLETS	#12	10
11	#12	PENDANT LIGHTS IN WORSHIP & 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 (W)
TOTAL CONNECTED LOAD (kva) = 18.3
AΦ = 7.7 BΦ = 4.1 BΦ = 6.5
GROUND BUS
GROUND WIRE (G)

** INSTALL BREAKER TO MATCH EQUIPMENT INSTALLED



ONE LINE DIAGRAM
SCALE: NTS



ELECTRICAL SERVICE DETAIL
SCALE: NTS

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#	DESCRIPTION	DATE

REVISIONS

THE SIXTH BAPTIST CHURCH RENOVATION AND ADDITION
928 FELICITY STREET
NEW ORLEANS LA 70130

JOB No:	2470	DATE:	08-20-2025
DRAWN BY:	CKD	CHECKED BY:	BAM

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SHEET TITLE:
CIRCUIT PANELS AND ONE-LINE DIAGRAM

DRAWING NUMBER:
E104