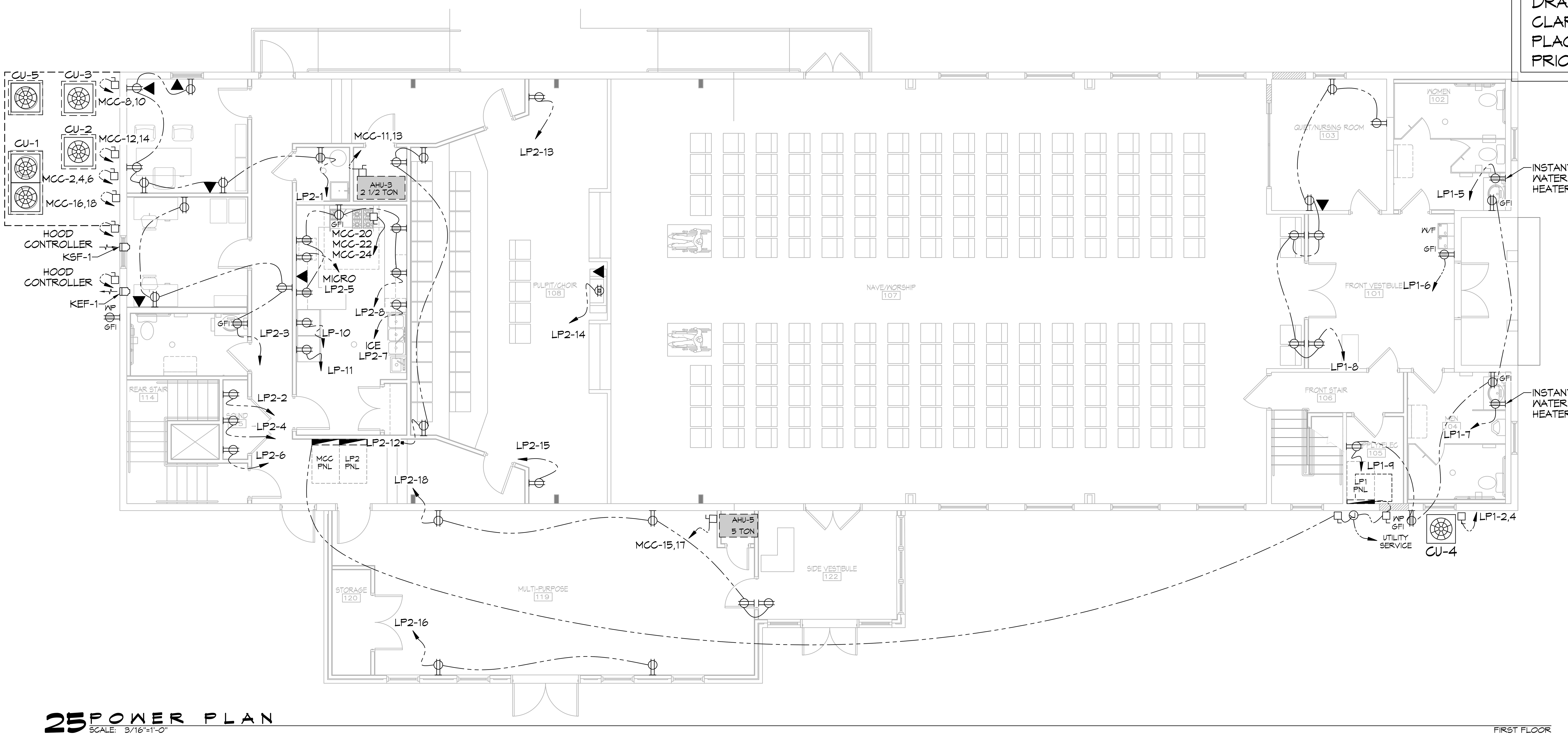
LEGEND

Symbol	Description	Symbol	Description
	DUPLEX RECEPTACLE - 20A 115V		ATTIC DUPLEX RECEPTACLE MOUNTED ABOVE DECK - 20A
	GFIC DUPLEX RECEPTACLE - 20A		DISCONNECT
	WEATHER PROOF GFIC DUPLEX RECEPTACLE - 20A		TELEPHONE/DATA RECEPTACLE
	FLOOR MOUNTED DUPLEX RECEPTACLE - 20A		HOME RUN

GENERAL POWER NOTES

1. ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE, THE GOVERNING ELECTRICAL CODE AND ALL OTHER INSPECTION DEPARTMENTS HAVING JURISDICTION. OBTAIN CERTIFICATES OR APPROVAL WHERE REQUIRED. ELECTRICAL CONTRACTOR SHALL VERIFY ALL WIRE AND CONDUIT SIZES FOR MECHANICAL EQUIPMENT TO BE INSTALLED.
2. ALL MATERIALS FURNISHED SHALL BE NEW AND SHALL BE U.L. LISTED.
3. THE DRAWINGS INDICATE SIZE AND GENERAL LOCATION OF WORK. SCALE DIMENSIONS SHALL NOT BE USED. THE EXACT LOCATION OF ALL LIGHTING FIXTURES, RECEPTACLES AND TELEPHONE OUTLETS, ETC. SHALL BE DETERMINED BY ACTUAL CONDITIONS IN THE FIELD.
4. PRIOR TO BIDDING, CONTRACTOR SHALL VISIT THE JOB SITE AND FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS.
5. ELECTRICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES AND WITH OTHER CONTRACTORS WHOSE WORK MAY AFFECT THIS INSTALLATION.
6. ELECTRICAL CONTRACTOR SHALL COORDINATE INCOMING ELECTRICAL SERVICE WITH UTILITY COMPANY AND INCLUDE IN HIS BID ALL CHARGES AND FEES INCURRED IN MODIFICATIONS.
7. ELECTRICAL CONTRACTOR SHALL COORDINATE THE TELEPHONE INSTALLATION WITH THE TELEPHONE COMPANY AND THE GENERAL CONTRACTOR.
8. WHERE MORE THAN ONE SWITCH OCCURS IN THE SAME LOCATION, THEY SHALL BE INSTALLED IN A GANG TYPE BOX UNDER ONE COVER PLATE.
9. ELECTRICAL CONTRACTOR, BEFORE INSTALLING ANY OF THE WORK, SHALL SEE THAT IT DOES NOT INTERFERE WITH CLEARANCES REQUIRED FOR FINISHED COLUMNS, HUNG CEILINGS, PLASTER, PARTITIONS, WALLS, ETC. AS SHOWN IN THE ARCHITECTURAL DRAWINGS AND DETAILS. IF ANY WORK IS INSTALLED AND IT LATER DEVELOPS THAT SUCH DETAILS OR DESIGN CANNOT BE FOLLOWED, THE CONTRACTOR, AT HIS OWN EXPENSE, SHALL MAKE SUCH CHANGES IN THE WORK AS DIRECTED BY THE ARCHITECT, AS WELL AS TO PERMIT THE INSTALLATION OF THE ARCHITECTURAL WORK AS SHOWN ON THE PLANS AND DETAILS.
10. PERFORM TEST REQUIRED BY THE OWNER OR THE ENGINEER IN CONNECTION WITH THE OPERATION OF THE ELECTRICAL SYSTEM IN THE BUILDING. ALL TESTS SHALL BE MADE IN ACCORDANCE WITH THE LATEST STANDARD OF THE IEEE AND THE NATIONAL ELECTRICAL CODE.
11. MINIMUM CONDUCTOR SIZE SHALL BE #12, 600V INSULATION. MINIMUM SIZE CONDUIT SHALL BE 3/4" ELECTRICAL METALLIC TUBING (EMT) FOR INTERIOR USE, AND 3/4" RIGID ALUMINUM FOR EXTERIOR USE. USE NON-METALLIC CABLE (NMC) CABLE COPPER, FOR LIGHTS AND RECEPTACLE CIRCUITS IN WOOD FRAME CONSTRUCTION AREAS ONLY; IN STEEL FRAMING AREAS THE USE OF EMT (MINIMUM) IS REQUIRED; EXTERIOR FITTINGS SHALL BE CAST BOXES AND COVERS. INTERIOR FITTINGS SHALL BE STAMPED BOXES.
12. CONTRACTOR SHALL INSTALL WIRING AND OTHER CIRCUIT COMPONENTS TO MATCH EQUIPMENT ACTUALLY INSTALLED.
13. INSTALL GROUND FAULT RECEPTACLES AT RECEPTACLE LOCATIONS WITHIN 5' OF SINKS OR LAVATORIES, AND AT EXTERIOR LOCATIONS. EXTERIOR RECEPTACLES SHALL ALSO BE WATERPROOF.
14. BONDING AND GROUNDING SHALL BE IN ACCORDANCE WITH NFPA 70:230-63, NFPR 250-23, 250-71 & 250-72.
15. GROUND NEUTRAL IN ACCORDANCE WITH NFPA 70:250-23b.
16. FUSES SHALL BE ITT CLASS K5, 250 VOLT, 200,000 AMP INTERRUPTING CAP.
17. PROVIDE SERVICES OF A FIRE/SMOKE DETECTION AND ALARM COMPANY TO DESIGN AND INSTALL ALARM SYSTEM TO MEET REQUIREMENTS OF THE STATE FIRE MARSHALL AND THE FIRE DISTRICT.
18. EXTERIOR LIGHTING SHALL BE SHADED OR INWARDLY DIRECTED IN SUCH A MANNER SO THAT NO DIRECT LIGHTING OR GLARE IS CAST BEYOND THE PROPERTY LINE. THE INTENSITY OF SUCH LIGHTING SHALL NOT EXCEED ONE FOOT CANDLE AS MEASURED AT THE ABUTTING PROPERTY LINE.
19. ALL ELECTRICAL, MECHANICAL AND PLUMBING PENETRATING FIRE PARTITIONS SHALL BE FIRE CAULKED. (PENETRATIONS THROUGH RATED CONSTRUCTION SHALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN TESTED IN ACCORDANCE WITH ASTM-E814.)
20. VERIFY ELECTRICAL CONNECTIONS PER MANUFACTURER'S RECOMMENDATIONS.

DRAWN DIAGRAMMATICALLY FOR CLARITY. FIELD VERIFY PLACEMENT OF ALL EQUIPMENT PRIOR TO FABRICATION.



25 POWER PLAN
SCALE: 3/16"=1'-0"

DAMMON ENGINEERING, INC.
LOUISIANA & MISSISSIPPI
Chief Engineer: Brian Mistich, PE
554 Old Spanish Trail
Slidell, LA 70458
www.dammonengineering.com
info@dammonengineering.com
PH: 985.649.5832 F: 985.641.5950

#	DESCRIPTION	DATE
REVISIONS		

THE SIXTH BAPTIST CHURCH RENOVATION AND ADDITION
1920 FELICITY STREET
NEW ORLEANS LA 70130

JOB No: 2410 DATE: 08-20-2025
DRAWN BY: CHECKED BY:

SHEET TITLE: POWER PLAN - FIRST FLOOR

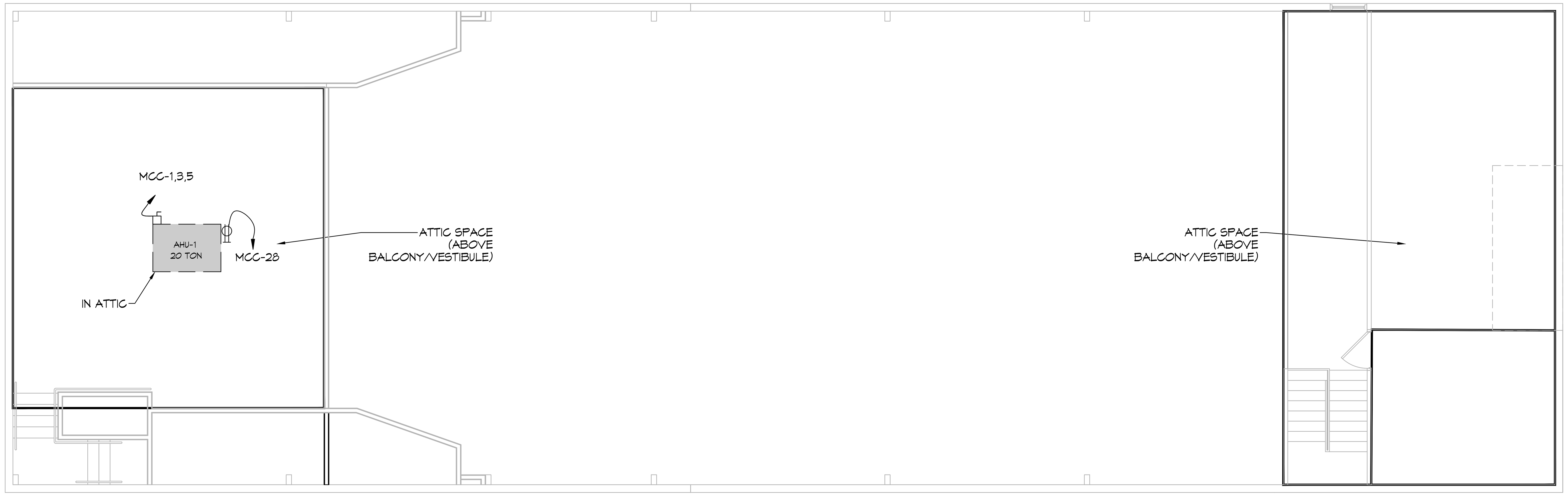
DRAWING NUMBER: E101

SHEET No: 12 of 15

LEGEND

Symbol	Description
	DUPLEX RECEPTACLE - 20A 115V
	GFIC DUPLEX RECEPTACLE - 20A
	WEATHER PROOF GFIC DUPLEX RECEPTACLE - 20A
	FLOOR MOUNTED DUPLEX RECEPTACLE - 20A
	ATTIC DUPLEX RECEPTACLE MOUNTED ABOVE DECK - 20A
	DISCONNECT
	TELEPHONE/DATA RECEPTACLE
	HOME RUN

DRAWN DIAGRAMMATICALLY FOR CLARITY. FIELD VERIFY PLACEMENT OF ALL EQUIPMENT PRIOR TO FABRICATION.



26 POWER PLAN ATTIC
SCALE: 3/16"=1'-0"
ATTIC

27 POWER PLAN
SCALE: 3/16"=1'-0"
SECOND FLOOR

DAMMON ENGINEERING, INC.
LOUISIANA & MISSISSIPPI
Chief Engineer: Brian Mistich, PE
554 Old Spanish Trail
Slidell, LA 70458
www.dammonengineering.com
info@dammonengineering.com
PH: 985.649.5832 F: 985.641.5950

#	DESCRIPTION	REVISIONS	DATE

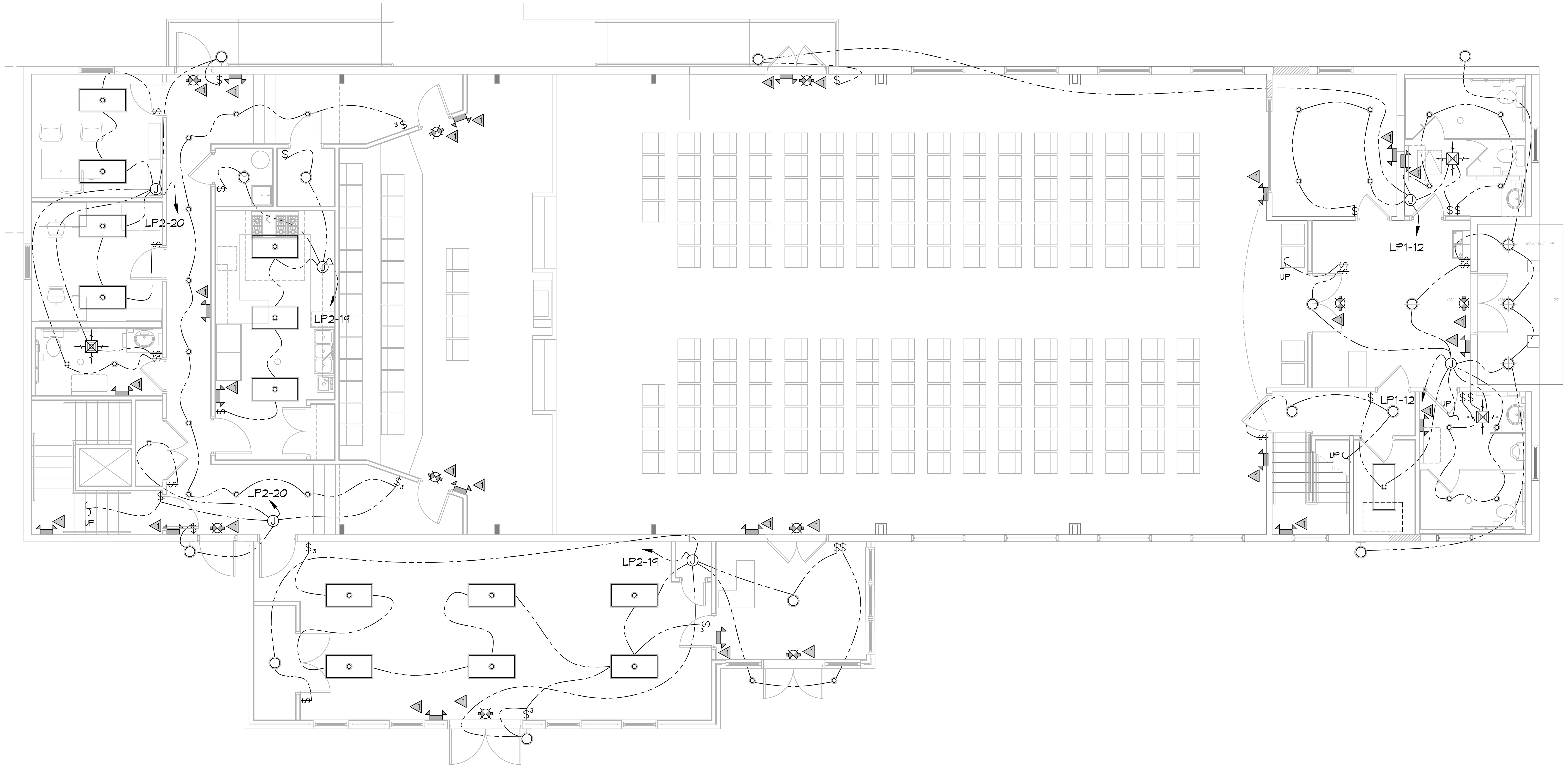
THE SIXTH BAPTIST CHURCH RENOVATION AND ADDITION
928 FELICITY STREET
NEW ORLEANS LA 70130

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

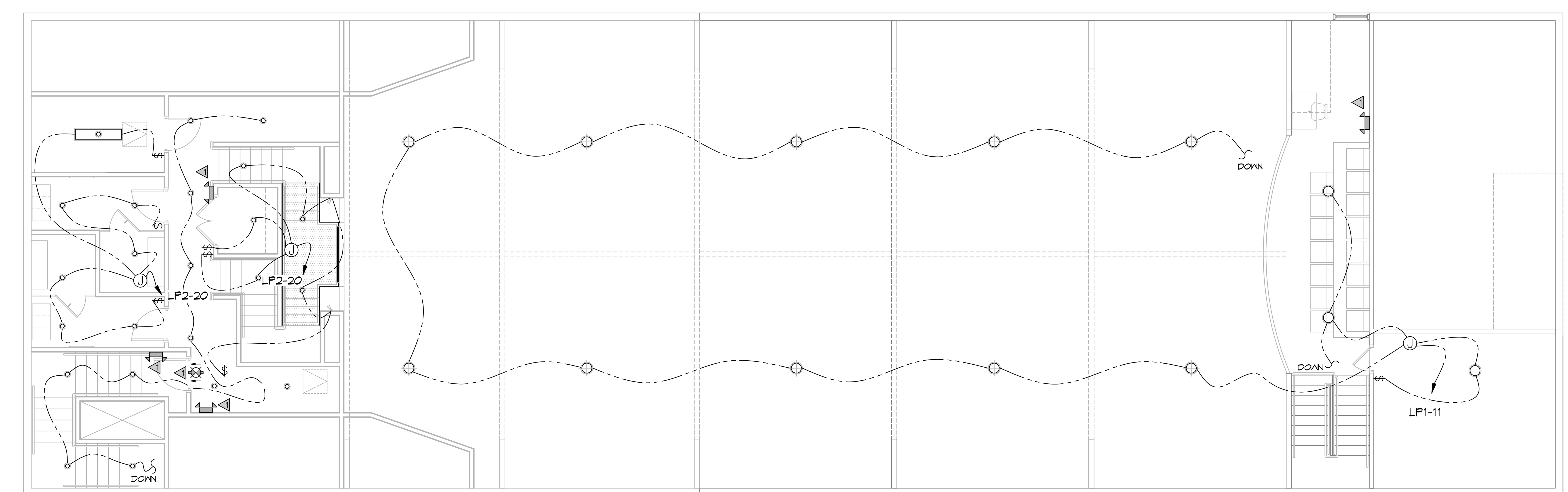
The above drawings and specifications, designs and arrangements represented thereby are and shall remain the property of Dammon Engineering, and no part thereof shall be copied, disclosed to others, or used in connection with any work or project other than the specific project for which the have been prepared and developed without written consent of Dammon Engineering. Visual contact with these drawings or specifications shall constitute conclusive evidence of acceptance of these restrictions.

SHEET TITLE:
POWER PLAN - SECOND FLOOR

DRAWING NUMBER:
E102



28 LIGHTING PLAN
SCALE: 3/16"=1'-0"



29 LIGHTING PLAN
SCALE: 3/16"=1'-0"

GENERAL LIGHTING NOTES

1. ALL WORK SHALL COMPLY WITH APPLICABLE NATIONAL, STATE, AND LOCAL CODES, RULES, REGULATIONS, AND REQUIREMENTS OF THE SERVICE UTILITY COMPANY.
2. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND MOUNTING INSTRUCTIONS FOR ALL LIGHT FIXTURES. NOTIFY THE ARCHITECT AND ENGINEER OF ANY DISCREPANCIES BETWEEN THESE PLANS AND THE ARCHITECTURAL PLANS RELATING TO QUANTITY, TYPE AND LOCATION OF DEVICES AND/OR FIXTURES.
3. WHEN SPECIFIC LIGHT FIXTURE HAS BEEN SPECIFIED IN THE FIXTURE SCHEDULE, ELECTRICAL SHALL PROVIDE COMPLETE ASSEMBLY INCLUSIVE ALL PARTS AND HARDWARE TO INSURE PROPER FUNCTIONING FIXTURE.
4. ALL CONDUCTORS SHALL BE #12 AWG UNLESS NOTED OTHERWISE.
5. ALL 120V RUNS LONGER THAN 60 FEET SHALL BE #10 AWG AND 277V RUNS LONGER THAN 150 FEET SHALL BE #10 AWG UNLESS NOTED OTHERWISE.
6. ALL CONDUCTORS SHALL BE COPPER.
7. WHERE CONDUCTOR SIZES ARE NOTED ON DRAWINGS, THAT WIRE SIZE SHALL BE THROUGH THE ENTIRE RUN UNLESS OTHERWISE NOTED.
8. MOUNTED LIGHT SWITCHES 48" AFF UNLESS NOTED OTHERWISE ON ARCHITECTURAL DRAWINGS.
9. ALL GANGED SWITCHES SHALL HAVE A COMMON SEAMLESS FACEPLATE. EACH MULTI-GANGED BOX SHALL BE NO MORE THAN SIX (6) SWITCHES WIDE. WHERE MORE THAN SIX (6) SWITCHES ARE SHOWN AT ONE (1) LOCATION, ADDITIONAL MULTI-GANGED BOXES SHALL BE STACKED VERTICALLY AND THE WIDTH OF THE MULTI-GANGS SHALL BE AS EVEN AS POSSIBLE.
10. EACH DIMMER SWITCH SHALL HAVE A WATTING RATING 25% HIGHER THAN THE TOTAL WATTAGE OF AL LIGHTS TO BE CONTROLLED BY THE DIMMER. DIMMER SIZES 600, 1000, 1500, AND 2000 WATTS, LUTRON NOVA T-STAR. WHERE SWITCHES ARE GANGED WITH DIMMERS, THE SWITCHES SHALL ALSO BE LUTRON NOVA T-STAR. FLUORESCENT AND LOW VOLTAGE DIMMERS HAL LBE LUTRON NOVA T-STAR.
11. WHERE FLUORESCENT FIXTURES ARE SHOWN TO BE DIMMED, THE FIXTURES SHALL HAVE DIMMING TYPE BALLASTS WHICH ARE COMPATIBLE WITH THE SPECIFIED DIMMERS.
12. WHERE LED FIXTURES/LAMPS ARE SHOWN TO BE DIMMED, THE DIMMER SHALL BE COMPATIBLE WITH THE FIXTURE/LAMP SPECIFIED OR PROVIDED.
13. ALL EMERGENCY LIGHT FIXTURES SHALL HAVE 90 MINUTE BATTERY BACKUP WITH INTEGRAL TEST BUTTON AND SHALL BURN CONTINUOUSLY.
14. ALL FLUORESCENT FIXTURES THAT UTILIZE DOUBLE-ENDED LAMPS AND CONTAIN BALLASTS SHALL BE PROVIDED WITH A DISCONNECTING MEANS IN ACCORDANCE WITH NEC 410.73G.

DRAWN DIAGRAMMATICALLY FOR CLARITY. FIELD VERIFY PLACEMENT OF ALL EQUIPMENT PRIOR TO FABRICATION.

DAMMON ENGINEERING, INC.
LOUISIANA & MISSISSIPPI
Chief Engineer: Brian Mistich, PE
554 Old Spanish Trail
Slidell, LA 70458
www.dammonengineering.com
info@dammonengineering.com
PH: 985.649.5832 F: 985.641.5950

#	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:	CHECKED BY:

The above drawings and specifications, designs and arrangements represented thereby are and shall remain the property of Dammon Engineering, and no part thereof shall be copied, disclosed to others, or used in connection with any work or project other than the specific project for which the have been prepared and developed without written consent of Dammon Engineering. Visual contact with these drawings or specifications shall constitute conclusive evidence of acceptance of these restrictions.

SHEET TITLE:
POWER PLAN-
FIRST & SECOND FLOOR

DRAWING NUMBER:
E103

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					17.9	12.3					2
3	2/0	AHU-1 (20 TON) **	150	3	17.9	12.3	3	110	** CU-1 (20 TON)	#1	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					38
39	-	SPARE	20	1	-	3.2	3	100	LP2	-	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

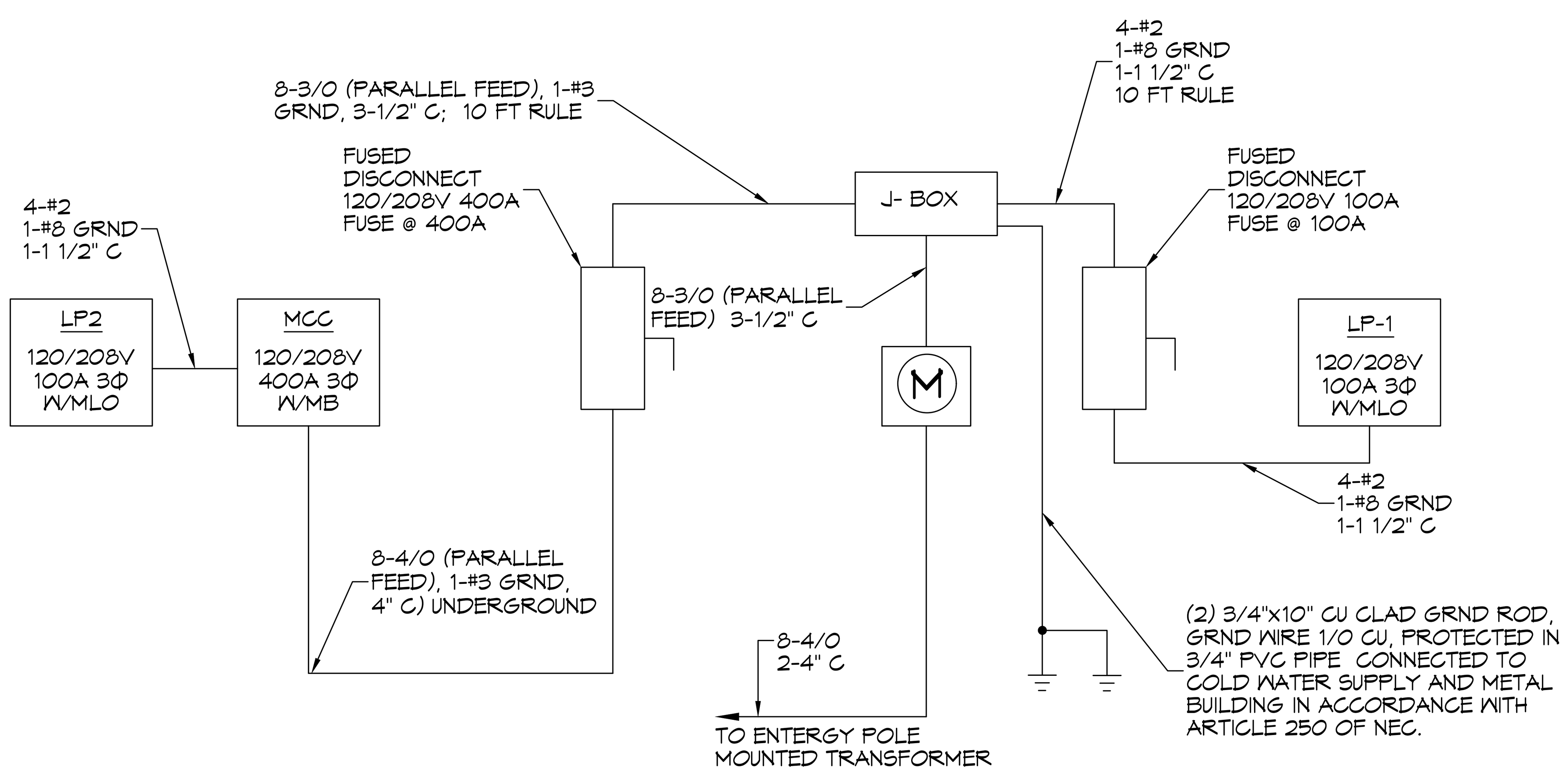
CKT NO	THHN WIRE SIZE	LOAD DESCRIPTION / LOCATION	BREAKER AMP	BREAKER POLE	LOAD (kva)	LOAD (kva)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION / LOCATION	THHN WIRE SIZE	CKT NO
1	#12	AHU-4 (3 TON) **	15	2	1.0	2.0	2	30	** CU-4 (3 TON)	#10	2
3					1.0	2.0					4
5	#10	INSTANT WATER HEATER, WOMENS RESTROOM	30	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)

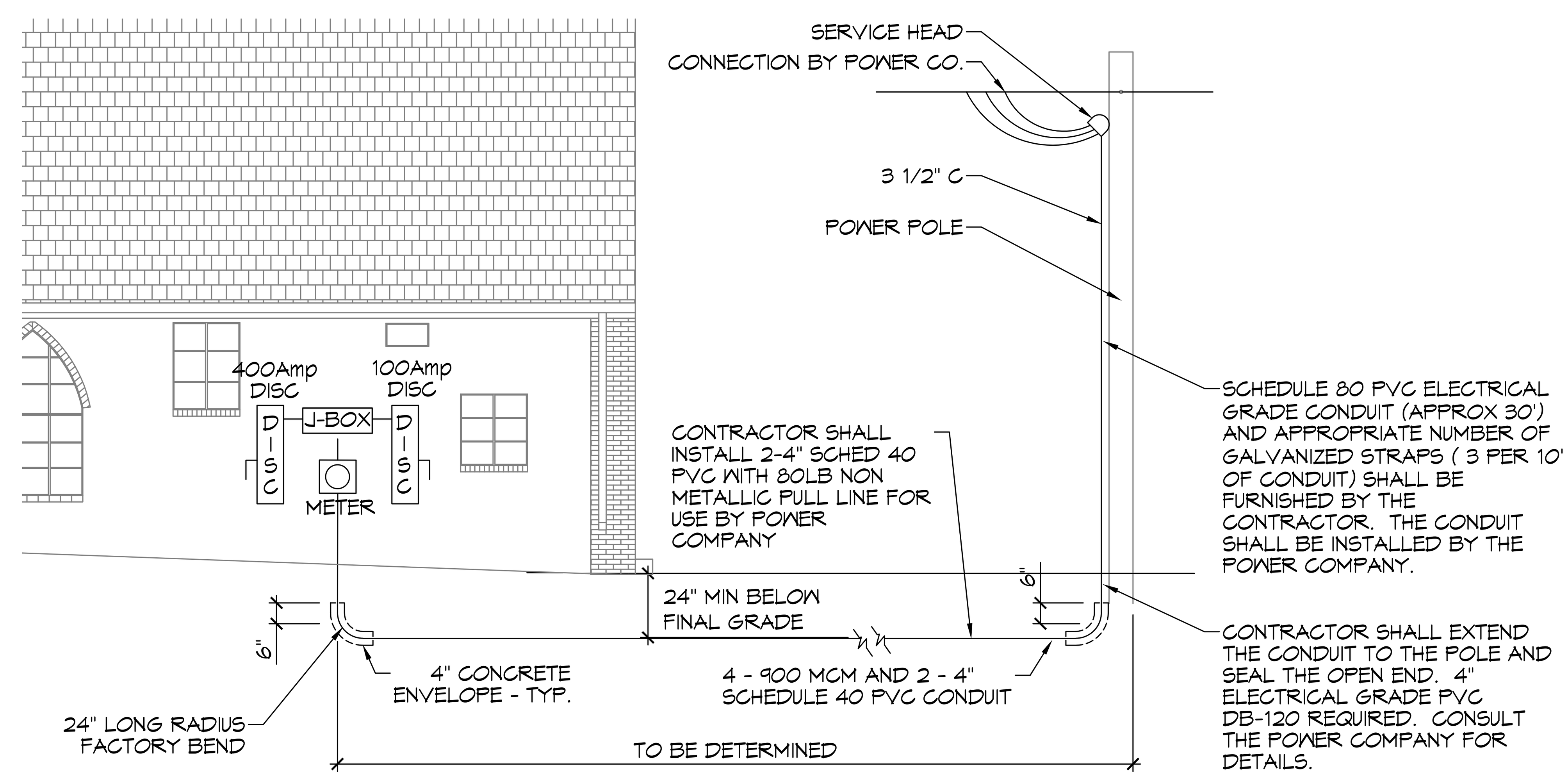
TOTAL CONNECTED LOAD (kva) = 18.3
AΦ = 7.7 | BΦ = 4.1 | BΦ = 6.5

GROUND BUS
GROUND WIRE (G)

** INSTALL BREAKER TO MATCH EQUIPMENT INSTALLED



ONE LINE DIAGRAM
SCALE: NTS



ELECTRICAL SERVICE DETAIL
SCALE: NTS

DAMMON ENGINEERING, INC.
LOUISIANA & MISSISSIPPI
Chief Engineer: Brian Mistich, PE
554 Old Spanish Trail
Slidell, LA 70458
www.dammonengineering.com
info@dammonengineering.com
PH: 985.649.5832 F: 985.641.5950

REVISIONS		
#	DESCRIPTION	DATE

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

The above drawings and specifications, designs and arrangements represented thereby are and shall remain the property of Dammon Engineering, and no part thereof shall be copied, disclosed to others, or used in connection with any work or project other than the specific project for which the have been prepared and developed without written consent of Dammon Engineering. Visual contact with these drawings or specifications shall constitute conclusive evidence of acceptance of these restrictions.

SHEET TITLE:
CIRCUIT PANELS AND ONE-LINE DIAGRAM

DRAWING NUMBER:
E104