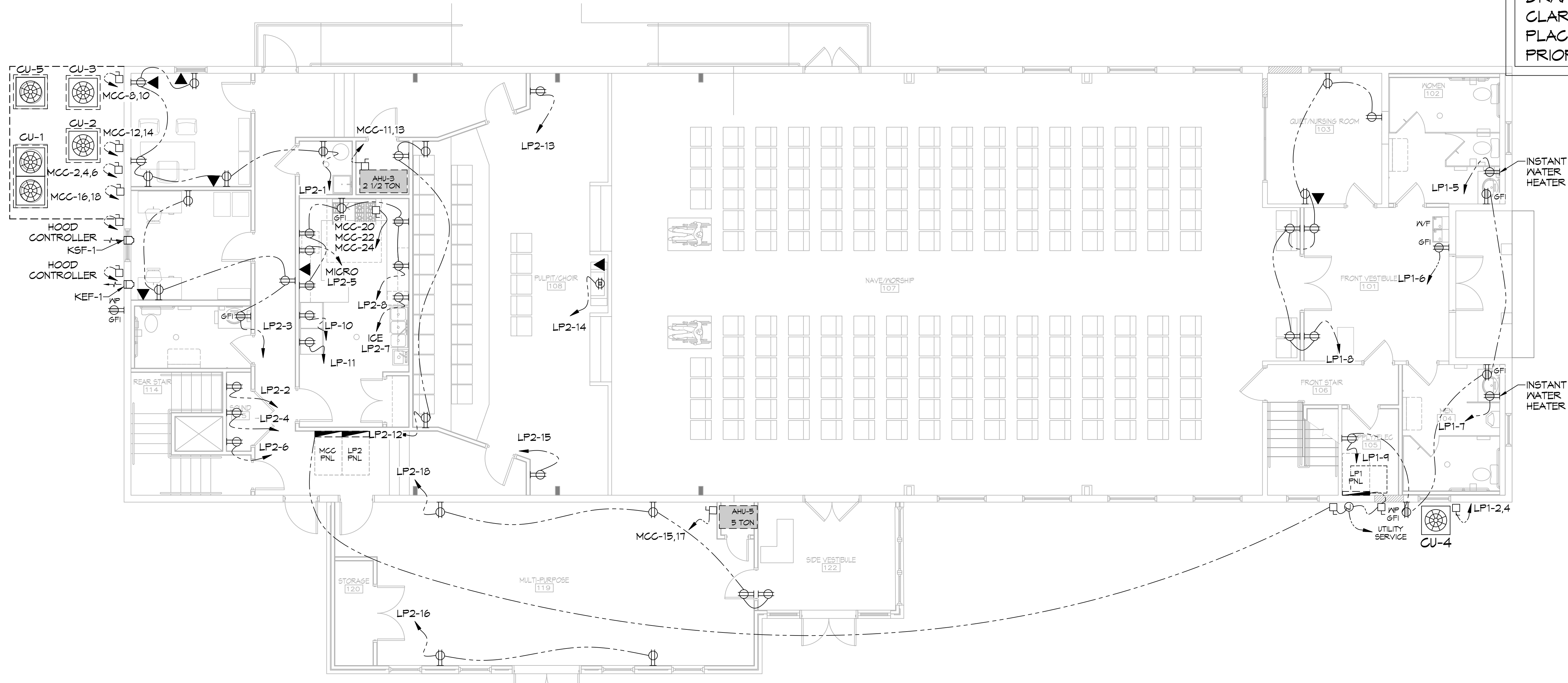


LEGEND	
	DUPLEX RECEPTACLE - 20A 115V
	GFCI DUPLEX RECEPTACLE - 20A
	WEATHER PROOF GFCI DUPLEX RECEPTACLE - 20A
	FLOOR MOUNTED DUPLEX RECEPTACLE - 20A
	ATTIC DUPLEX RECEPTACLE MOUNTED ABOVE DECK - 20A
	DISCONNECT
	TELEPHONE/DATA RECEPTACLE
	HOME RUN

### 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, NFPA 250-23, 250-11 & 250-12.
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"

FIRST FLOOR

**DAMMON ENGINEERING, INC.**  
LOUISIANA & MISSISSIPPI  
www.dammonengineering.com  
info@dammonengineering.com  
PH: 985.649.5832 F: 985.641.9950  
Chief Engineer: Brian Albrecht, PE  
554 Old Spanish Trail  
Slidell, LA 70458

REVISIONS	DATE
# DESCRIPTION	

STATE OF LOUISIANA  
RICKEY J. BRADY, P.E.  
Professional Engineer  
08/25/2025

**THE SIXTH AND  
STATION  
REVISION  
DRAWING**  
428 FELICITY STREET  
NEW ORLEANS, LA 70130  
JOB No: 2470 DATE: 08-20-2025  
DRAWN BY: CHECKED BY:

SHEET TITLE:  
POWER PLAN -  
FIRST FLOOR

DRAWING NUMBER:

**E101**







NOTE: This inquiry is NOT an application for service. It is a request for information only.

To Apply For Service: Call 1-800-368-3749

# ELECTRIC SERVICE INQUIRY



**RETURN TO: ENTERGY**

**CUSTOMER INFORMATION:**

Name Sixth Baptist Church

Address 928 Felicity Street

P.O. Box \_\_\_\_\_

Street \_\_\_\_\_

City New Orleans State LA ZIP 70130

Contact David Dammon Voice Phone (985) 649-5832 FAX (\_\_\_\_) \_\_\_\_\_

**SERVICE LOCATION:** (Attach applicable maps or prints such as site, utility plan, etc.)

Lot or Tract \_\_\_\_\_

Street 928 Felicity Street City New Orleans State LA ZIP 70130

**SERVICE DETAILS:** (check one response for items 1 through 3):

1.  New customer or  Increased load w/Acct# 12356820 or Existing Building Turn-On \_\_\_\_\_

2. Requesting:  Overhead Service  Underground Service

3. Has point of service (metering location) been approved by ENTERGY?  Yes  No

**REQUESTED IN-SERVICE DATES:** temporary \_\_\_\_\_ permanent \_\_\_\_\_

**PROPOSED BUILDING CLASSIFICATION:**

SIC Code Church (or, check one of the following):

residential  office  restaurant/bar  retail  grocery  warehouse  school  university  hospital  hotel/motel  
 mobile home  nursing home  misc. non-manufacturing building  misc. non-manufacturing (no building)  misc. manufacturing

**LOAD SUMMARY:**

Phase/Voltage:  1Ø-120/240  3Ø-120/240  3Ø-120/208  3Ø-277/480 \*\*  Other \_\_\_\_\_

	Single Ø	Three Ø	Comments
Square Footage	<u>7,328</u> SQ/FT.		
Lights	<u>4.9</u> KW	_____ KW	
Cooking	<u>5.2</u> KW	_____ KW	Stove is gas
Heating	_____ KW	<u>37.4</u> KW	(All Gas Except 20 ton)
A/C (heat pump)	<u>24.4</u> KW	<u>42.9</u> KW	Note: If more than one A/C unit please list the total load in the appropriate column and largest unit in the comment section. 20 ton 3 ph
Refrigeration	<u>4.5</u> KW	_____ KW	
Water Heating	<u>12.3</u> KW	_____ KW	Some gas
Motors	<u>3/4</u> HP	_____ HP	Baptistry circulation pump
Motors	<u>1.0</u> HP	_____ HP	Cooking Hood System
Receptacles	<u>10.9</u> KW	_____ KW	
Miscellaneous	<u>18.2</u> KW	_____ KW	
Total Connected	<u>160.7</u> KW	_____ KW	
Existing Peak Load	_____ KW	_____ KW	
Total Diversified	_____ KW	_____ KW	

Largest Motor: 5 VFD HP~  1Ø  3Ø Motor HP Code No. \_\_\_\_\_

Locked Rotor Current: \_\_\_\_\_ Amps. Motor Duty: \_\_\_\_\_ hrs./day~  continuous  intermittent

All-electric facility?  yes  no Computer equipment?  yes  no

Number & Size of Wires in Risers or Wires in Switchgear Being Run by Electrician: No.: \_\_\_\_\_ Size: \_\_\_\_\_

Submitted by: David Dammon Title: \_\_\_\_\_

Date: 2/17/2023 Phone No.: (985) 649-5832 Alt. No.: \_\_\_\_\_ Rev.4/14/14

6th Baptist Church

Dammon Engineering

# Available Fault Current Calculation

by: John Sokolik Ver. 7.2  
jmp1jds@comcast.net

Utility Fault Current  amperes kVA =   
E =   
trans. FLA =

$$I = \frac{kVA \times 1000}{E \times 1.732} = \text{trans. FLA}$$

$$I_{sca} = \frac{\text{trans. FLA} \times 100 \times PF}{\text{transformer Z}} =$$

$I_{sca}$  = ampere short-circuit current RMS symmetrical.  $I_{sca}$  =  amperes

## Point to Point Method

Length (distance)  FEET (ASC) L =   
 # conductors per phase N =   
 Phase conductor constant C =  Phase Conductor 4/0  
 Volt Line to Line E L - L =  Volt  
 f = 0.371  
 Neutral conductor constant C =  Neutral Conductor 4/0  
 Volt Line to Neutral E L - N =  Volt  
 f = 0.965  
 Multiplier M =  $\frac{1}{1+f}$   
 Line to Line M = 0.729  
 Line to Neutral M = 0.509

## Fault Current at Service Equipment

$I_{sca} \times M$  = fault current at terminals of main disconnect L - L = **21,687 amperes**  
 $I_{sca} \times M$  = fault current at terminals of main disconnect L - N = **15,132 amperes**

Fault Current from  Copper in Nonmetallic Raceway

Three Phase Feeder Length (distance) L =   
 (ASC)  $I_{sca}$  = 21,687 Phase 15,132 Neutral  
 # conductors per phase N =   
 Phase conductor constant C =  Phase Conductor 3/0  
 Volt Line to Line E L - L =  Volt  
 f = 0.649  
 Neutral conductor constant C =  Neutral Conductor 3/0  
 Volt Line to Neutral E L - N =  Volt  
 f = 0.784  
 Multiplier M =  $\frac{1}{1+f}$   
 Line to Line M = 0.607  
 Line to Neutral M = 0.560

$I_{sca} \times M$  = fault current at terminal of the panel L - L = **13,156 amperes**  
 $I_{sca} \times M$  = fault current at terminal of the panel L - N = **8,480 amperes**

Calculation does not include motor contribution