PANEL MDP
LOCATION: SOUTH STORAGE ROOM
FEEDER SOURCE: DIST TRANSFORMER

VOLTAGE: 120/ 208V, 600A, 3ø, 4W MLO
BUS: 600A, 65KAIC
ENCLOSURE: SURFACE MOUNTED W/
EQUIPMENT GROUND BAR
SQUARE D TYPE QO LOAD CENTER

CIR. NO.	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	A	B	C	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	CIR. NO.
1	MAIN DISTRIBUTION PANEL	200	3					200	3		PAL B	2
3												4
5												6
7	PAL A	200	3					200	3		PAL D	8
9												10
11												12
13	PAL C	200	3					60	3		A/C #1 15 AF MCCB 100A SAFETY SWITCH	14
15												16
17												18
19	A/C #2 15 AF MCCB 100A SAFETY SWITCH	60	3					60	3		A/C #3 15 AF MCCB 100A SAFETY SWITCH	20
21												22
23												24
25	A/C #4 15 AF MCCB 100A SAFETY SWITCH	60	3					60	3		A/C #5 15 AF MCCB 100A SAFETY SWITCH	26
27												28
29												30
31	A/C #6 15 AF MCCB 100A SAFETY SWITCH	60	3					60	3		A/C #7 15 AF MCCB 100A SAFETY SWITCH	32
33												34
35												36
37	A/C #8 15 AF MCCB 100A SAFETY SWITCH	60	3					60	3		A/C #9 15 AF MCCB 100A SAFETY SWITCH	38
39												40
41												42
	SOLID NEUTRAL GROUND WIRE (N)			TOTAL CONNECTED LOAD (VA): 110,010	104,010	93,000					GROUND BAR (G) GROUND WIRE (G)	

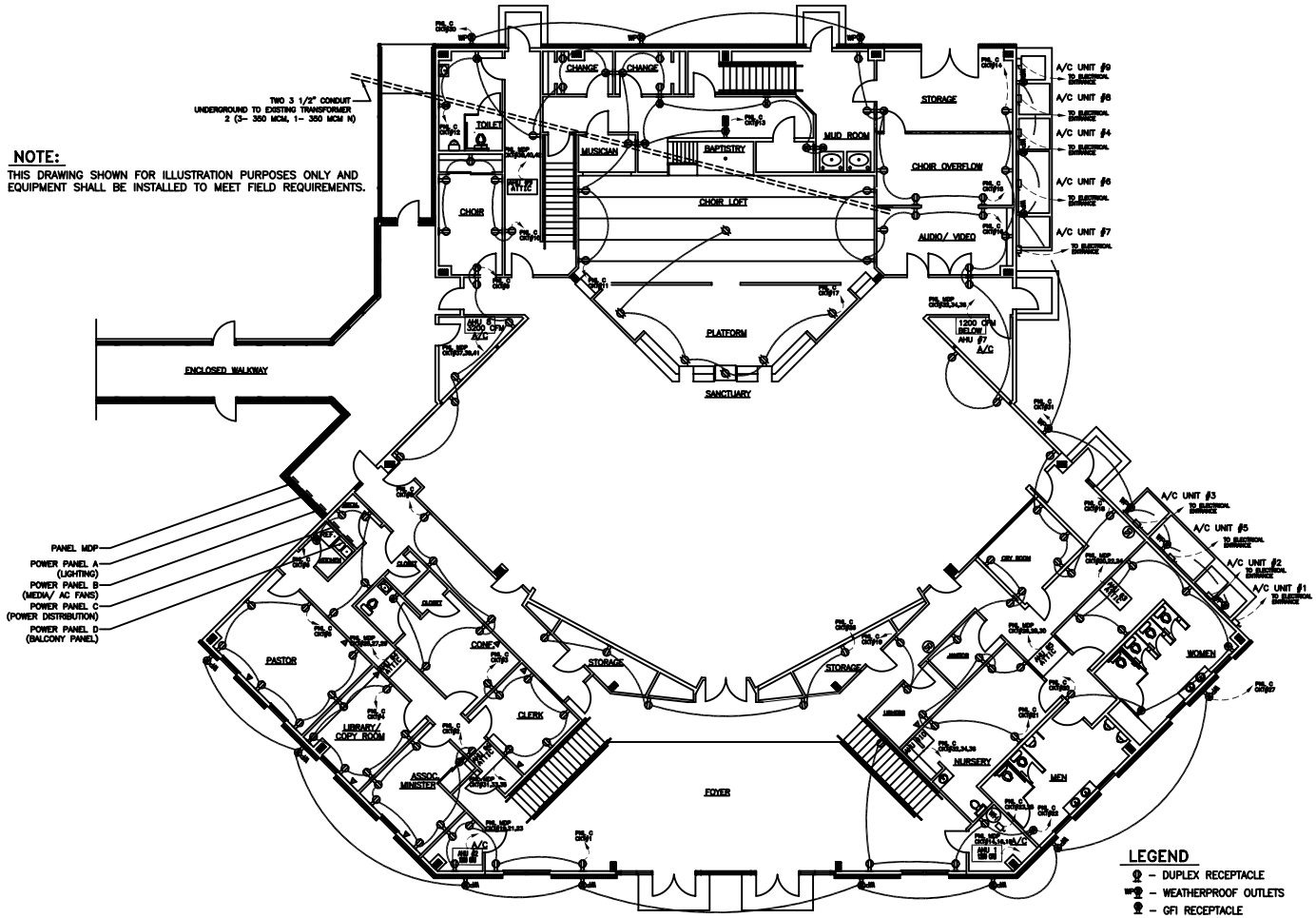
PANEL PAL C (POWER DIST.)
LOCATION: SOUTH STORAGE ROOM
FEEDER SOURCE:

VOLTAGE: 120/208V, 200A,3ø, 4W MLO
ENCLOSURE: SURFACE MOUNTED W/
EQUIPMENT GROD BAR
SQUARE D TYPE QO LOAD CENTER

CIR. NO.	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	A	B	C	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	CIR. NO.
1	PAINT/ A/C CLOSET OUTLETS	20	1	-				-	1	20	ASSOC MINISTER OUTLETS	2
3	CLERK OUTLETS	20	1	-				-	1	20	LIBRARY OUTLETS	4
5	PASTOR OUTLETS	20	1	-				-	1	20	KITCHEN/ MEDIA/ HALL OUTLETS	6
7	SPARE	20	1	-				-	1	20	HALLWAY/ CLOSET/ DOOR OUTLETS	8
9	L. SANCTUARY AND A/C OUTLETS	20	1	-				-	1	20	CHOIR ROOM OUTLETS	10
11	SPARE (WITH SPACE) CHOIRE ROOM OUTLETS	20	1	-				-	1	20	FRONT AND CENTRAL MUSIC ROOMS, MUSICIAN, BAPTISTRY, AND SL SANCTUARY OUTLETS	12
13	BAPTISTRY OUTLETS	20	1	-				-	1	20		14
15	MUSIC AND MUD ROOM OUTLETS	20	1	-				-	1	20	STORAGE & CHOIR LOFT OUTLETS	16
17	PLATFORM FLOOR OUTLETS	20	1	-				-	1	20	HALLWAY AND CRY ROOM OUTLETS	18
19	NURSERY, JANITOR, DRY ROOM, AND NURSERY OUTLETS	20	1	-				-	1	20	WOMENS OUTLETS	20
21	BAPTISTRY/JANITOR/JANITOR OUTLETS	20	1	-				-	1	20	MEN, POWER, A/C1 OUTLETS	22
23	HOT WATER HEATER	40	2	-				-	1	20	SPARE	24
25								-	1	20	POWER AND STORAGE OUTLETS	26
27	FRONT WEATHERPROOF OUTLETS	20	1	-				-	1	20	SPARE	28
29	SPARE	20	1	-				-	1	20	REAR WEATHERPROOF OUTLETS	30
31	A/C UNIT WEATHERPROOF OUTLETS	20	1	-								32
33	SPARE	20	1	-				-	3	60	A/C #1 15 AF MCCB 100A SAFETY SWITCH	34
35	SMOKE DETECTORS	20	1	-								36
37	SPARE	20	1	-				-	1	20	SPARE	38
39	SPARE	20	1	-				-	1	20	SPARE	40
41	SPARE	20	1	-				-	1	20	SPARE	42
	SOLID NEUTRAL GROUND WIRE (N)			TOTAL CONNECTED LOAD (VA)							GROUND BAR (G) GROUND WIRE (G)	

NOTE:

THIS DRAWING SHOWN FOR ILLUSTRATION PURPOSES ONLY AND EQUIPMENT SHALL BE INSTALLED TO MEET FIELD REQUIREMENTS.



LEGEND

- DUPLEX RECEPTACLE
- WEATHERPROOF OUTLETS
- GFI RECEPTACLE
- FLOOR RECEPTACLE

POWER PLAN

SCALE: 1/8"=1'-0"

ELECTRICAL 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.
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 AND ELEVATION OF ALL LIGHTING FIXTURES, RECEPTACLES AND TELEPHONE OUTLETS, ETC. SHALL BE DETERMINED BY ACTUAL CONDITIONS IN THE FIELD, UNLESS NOTED OTHERWISE.
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. WHERE MORE THAN ONE SWITCH OCCURS IN THE SAME LOCATION, THEY SHALL BE INSTALLED IN A GANG TYPE BOX UNDER ONE COVER PLATE.
8. ELECTRICAL CONTRACTOR SHALL COORDINATE THE TELEPHONE INSTALLATION WITH THE TELEPHONE COMPANY AND THE GENERAL CONTRACTOR.
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 TESTS REQUIRED BY THE OWNER OR THE ENGINEER IN CONNECTION WITH THE OPERATION OF THE ELECTRICAL SYSTEM IN THE BUILDING.
11. ALL TESTS SHALL BE MADE IN ACCORDANCE WITH THE LATEST STANDARD OF THE IEEE AND THE NATIONAL ELECTRICAL CODE.
12. MINIMUM CONDUCTOR SIZE SHALL BE #12, 600V INSULATION. MINIMUM SIZE CONDUIT SHALL BE 3/4" EMT FOR INTERIOR USE, AND 3/4" RIGID ALUMINUM FOR EXTERIOR USE. USE TYPE NMC CABLE COPPER, FOR LIGHTS & RECEPTACLE CIRCUITS. EXTERIOR FITTINGS SHALL BE CAST BOXES AND COVERS. INTERIOR FITTINGS SHALL BE CAST WHERE EXPOSED ON WALLS. STAMPED BOXES MAY BE USED ABOVE CEILINGS IN AIR CONDITIONED SPACES.
13. CONTRACTOR SHALL INSTALL WIRING AND OTHER CIRCUIT COMPONENTS TO MATCH EQUIPMENT ACTUALLY INSTALLED.
14. INSTALL GROUND FAULT RECEPTACLES AT RECEPTACLE LOCATIONS WITHIN 5' OF SINKS OR LAVATORIES, AND AT EXTERIOR LOCATIONS. EXTERIOR RECEPTACLES SHALL ALSO BE WEATHERPROOF.
15. BONDING AND GROUNDING SHALL BE IN ACCORDANCE WITH NFPA 70:230-63, NFPR 250-23, 250-71, & 250-72.
16. GROUND NEUTRAL IN ACCORDANCE WITH NFPA 70:250-23b.
17. FUSES SHALL BE ITT CLASS K5, 250 VOLT, 200,000 AMP INTERRUPTING CAP.
18. PROVIDE SERVICES OF A FIRE/SMOKE DETECTION & ALARM COMPANY TO DESIGN & INSTALL ALARM SYSTEM TO MEET REQUIREMENTS OF THE STATE FIRE MARSHALL.
19. ALL ELECTRICAL, MECHANICAL & PLUMBING PENTRATING FIRE WALLS 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. ELECTRICAL WORK AT BAPISTRY SHALL MEET NEC 680 SPECIFICATIONS.

REVISED: 08-18-05

POWER PLAN

STARLIGHT BAPTIST CHURCH
2100 SECOND STREET
SLIDELL, LOUISIANA

NEW SANCTUARY

DAMMON ENGINEERING, INC.
1095 FLORIDA AVENUE 985-649-5832 SLIDELL, LA. 70458
DAMMONENGINEERING.COM

SCALE:AS NOTED
FILE:
JOB NO. 1495a
DATE:05-16-05
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