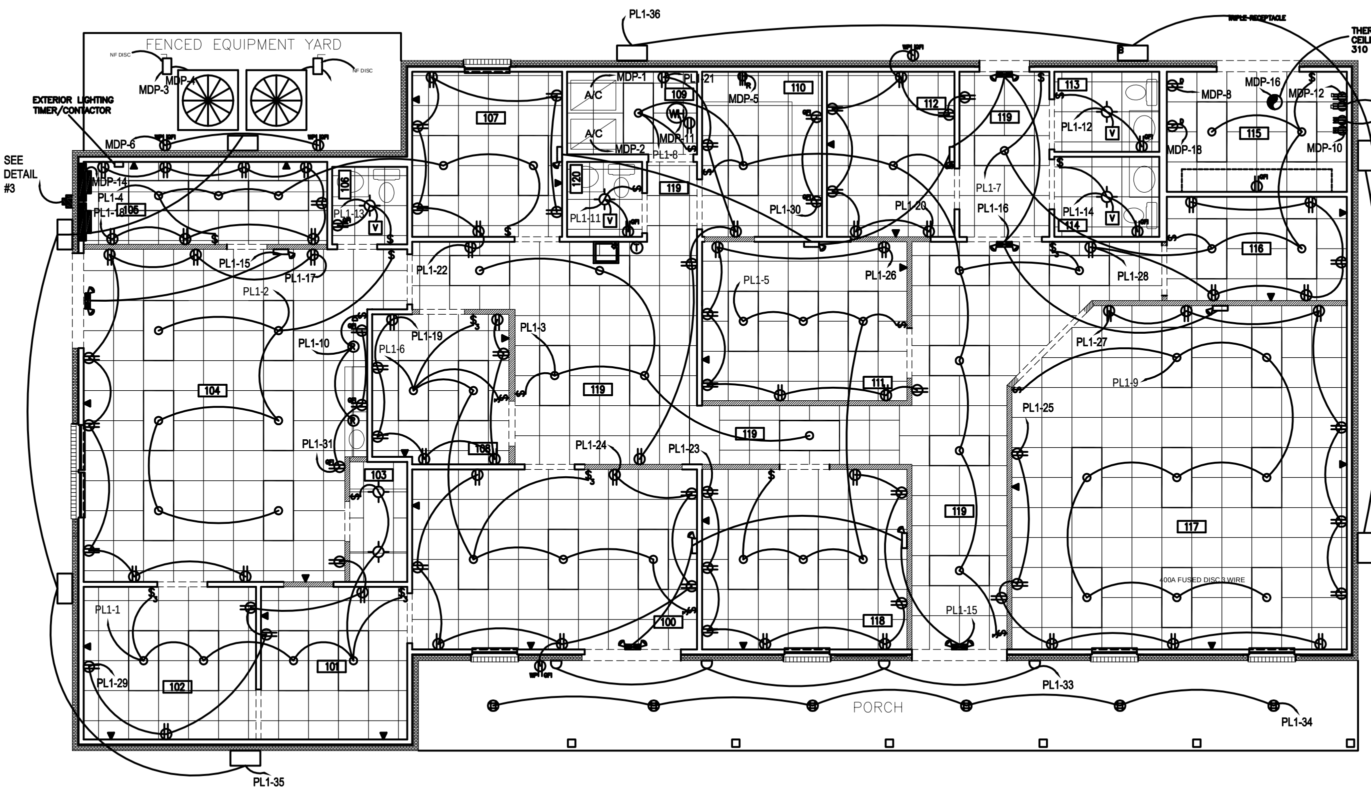


ELECTRICAL PLAN (ADMINISTRATION BLDG.)

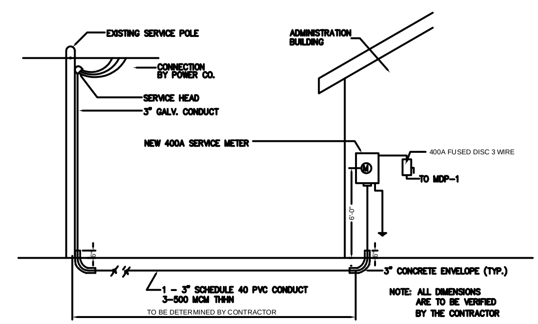
SCALE: 1/4"=1'-0"

LEGEND

- OVERHEAD LIGHT FIXTURE
- RECESSED LIGHT
- ELECTRICAL WATER HEATER 240V
- DEDICATED RECEPTACLE
- ELECTRICAL RANGE
- LIGHT SWITCH
- THREE WAY LIGHT SWITCH
- DUPLEX RECEPTACLE
- GROUND FAULT INTERRUPTER
- WATER PROOF GROUND FAULT INTERRUPTER
- DRYER RECEPTACLE
- COMPUTER/TELEPHONE JACK
- THERMOSTAT
- DISCONNECT SWITCH
- NEW WALL
- FOUR LAMP FLUORESCENT
- ELECTRICAL PANEL
- INSIDE HVAC UNIT
- OUTSIDE HVAC COMPRESSOR
- WAL PAK 250 W MH W/ 90 MIN. BATTERY BACK-UP
- WAL PAK 250 W MH
- FLOURESCENT OUTDOOR WALL LIGHT W/ 2 13W BULBS W/ KELVIN RATING OF 4100
- CEILING MNT FLOURECENT GLOBE W/ GAURD & 2 13W BULBS W/ KELVIN RATING OF 4100

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 INCURED 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 TEST 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. 12/2 NMB IN WOOD STUD APPLICATIONS, 14/2 MC MAY BE USED FOR LIGHTING WIPS SHALL BE 3/4" EMT FOR INTERIOR USE, AND 3/4" RIGID ALUMINUM FOR EXTERIOR USE. MINIMUM SIZE CONDUIT USE TYPE MC CABLE, FOR LIGHTS & RECEPTACLE CIRCUITS IN METAL CONTRUCTED WALLS AND CEILINGS. 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 EQUIPMENT ACTUALLY INSTALLED. & INSTALL ALARM SYSTEM TO MEET REQUIREMENTS OF THE STATE FIRE MARSHALL.
19. 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.
20. ALL ELECTRICAL, MECHANICAL & 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.)
21. EXTERIOR LIGHTIING WILL BE CONTROLLED BY TIMER AND LIGHT CONTACTOR LOCATED IN RM 105.



SERVICE ENTRANCE DETAIL NO. 3 (ADMINISTRATION BLDG.)

NTS

PANEL: PL-1
LOCATION: RM. 105
FEEDER SOURCE: MDP-1

VOLTAGE: 120/240V, 150A MAINS 1ø, 3W
ENCLOSURE: SURFACE MOUNTED W/GROUND BUS KIT
NO MAIN BRKR. MINIMUM S.C. CAPACITY - 10,000 A SYA.

CKT. NO.	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	CKT. NO.
1	LGTS. RM 101/102/103	20	1	1200	1200	1	20	LGTS. RM 104	2
3	LGTS. RM 119	20	1	1000	1000	1	20	LGTS. RM 106/107	4
5	LGTS. RM 111/118	20	1	1200	1000	1	20	LGTS. RM 100/108	6
7	LGTS. RM 115/116/119	20	1	1000	1400	1	20	LGTS. RM 109/110/112/119	8
9	LGTS. RM 117	20	1	1600	400	1	20	RECESSED LGTS. RM 104	10
11	GFI RECEPTACLE/LGTS./VENT RM 120	20	1	380	380	1	20	GFI RECEPTACLE/LGTS./VENT RM 113	12
13	GFI RECEPTACLE/LGTS./VENT RM 106	20	1	380	380	1	20	GFI RECEPTACLE/LGTS./VENT RM 114	14
15	EMERGENCY/EXIT LGTS. RM 100/104/118/119	20	1	400	400	1	20	EMERGENCY/EXIT LGTS. RM 107/111/112/117/119	16
17	RECEPTACLES RM 104	20	1	1440	1440	1	20	RECEPTACLES RM 105	18
19	RECEPTACLES RM 108	20	1	1260	1260	1	20	RECEPTACLES RM 112/119	20
21	RECEPTACLES RM 109/110/119	20	1	940	1080	1	20	RECEPTACLES RM 107/119	22
23	RECEPTACLES RM 118	20	1	1440	1260	1	20	RECEPTACLES RM 100	24
25	RECEPTACLES RM 117	20	1	1080	1260	1	20	RECEPTACLES RM 111/119	26
27	RECEPTACLES RM 117	20	1	1080	1080	1	20	RECEPTACLES RM 116/119	28
29	RECEPTACLES RM 101/102/104	20	1	1260	380	1	20	GFI RECEPTACLES RM 110	30
31	GFI RECEPTACLES RM 104	20	1	380	-	1	20	SPACE	32
33	OUTDOOR WALL LGTS.	20	1	800	1200	1	20	OUTDOOR CEILING MOUNT LGTS.	34
35	WAL PAKS ON THE LEFT SIDE	20	1	800	800	1	20	WAL PAKS ON THE RIGHT SIDE	36
37	SPACE	20	1	-	-	1	20	SPACE	38
39	SPACE	20	1	-	-	1	20	SPACE	40
41	SPACE	20	1	-	-	1	20	SPACE	42

SOLID NEUTRAL NEUTRAL WIRE (W) — TOTAL CONNECTED LOAD (VA): Aø 17640, Bø 15820 — GROUND BUS GROUND WIRE (G)

PANEL: MDP-1
LOCATION: RM 105
FEEDER SOURCE: CLECO

VOLTAGE: 120/240V, 400A MAIN LVQS 1ø, 3W
ENCLOSURE: SURFACE MOUNTED W/GROUND BUS KIT
NO MAIN BRKR. MINIMUM S.C. CAPACITY - 10,000 A SYA.

CKT. NO.	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	CKT. NO.
1	INSIDE HVAC UNIT RM 109	100	2	7500	7500	2	100	INSIDE HVAC UNIT RM 109	2
3	OUTSIDE HVAC COMPRESSOR	60	2	2500	2500	2	60	OUTSIDE HVAC COMPRESSOR	4
5	STOVE RECEPTACLE RM 110	50	2	6000	1200	1	20	WEATHER PROOF RECEPTACLES	6
					1200	1	20	WASHER RECEPTACLE A	8
7	DRYER RECEPTACLE RM 115	30	2	3600	3600	2	30	DRYER RECEPTACLE RM 115	10
9	DRYER RECEPTACLE RM115	30	2	3600	3600	2	30	DRYER RECEPTACLE RM 115	12
11	WATER HEATER RM 109	40	2	4800	33880	2	150	PL-1	14
13	SPACE	20	2	-	200	1	20	CEILING POWER VENT	16
15	SPACE	20	1	-	1200	1	20	WASHER RECEPTACLE B	18
17	SPACE	20	1	-	-	1	20	SPACE	20
19	SPACE	20	1	-	-	1	20	SPACE	22
21	SPACE	20	1	-	-	1	20	SPACE	24
23	SPACE	20	1	-	-	1	20	SPACE	26
25	SPACE	20	1	-	-	1	20	SPACE	28
27	SPACE	20	1	-	-	1	20	SPACE	30
29	SPACE	20	1	-					

SOLID NEUTRAL NEUTRAL WIRE (W) — TOTAL CONNECTED LOAD (VA): Aø 27700, Bø 54560 — GROUND BUS GROUND WIRE (G)

ELECTRICAL PLAN

RENOVATE ADMINISTRATION BLDG.
MARTIN LUTHER KING DRIVE
SLIDELL, LOUISIANA

HOUSING AUTHORITY OF THE CITY OF SLIDELL

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

SCALE: 1/4"
FILE:
JOB NO. 1862
DATE: 6-4-07
SHEET 12
E-1
OF 13