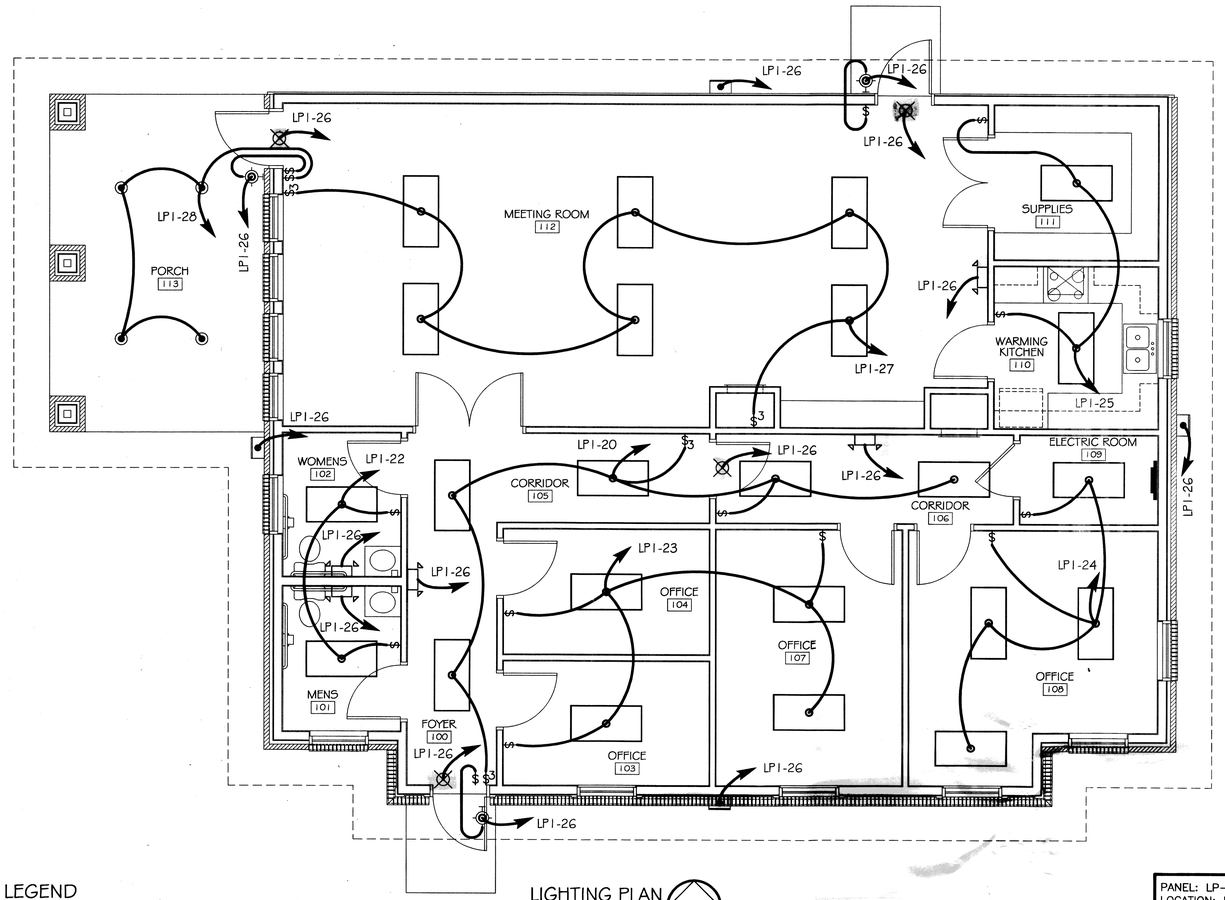

LIGHTING PLAN

SCALE: 1/4"= 1'

LEGEND

- 2'x4' FLUORESCENT LIGHT (3 BULB) 3 BULBS @ 32 w EA. = 96 w PER LIGHT
- EXIT LIGHT w/90 MIN. BATTERY BACK-UP (.92 w EA.)
- EMERGENCY LIGHT W/ 90 MIN. BATTERY BACKUP (10.82 w EA.)
- WALL MOUNTED EXTERIOR LIGHT FIXTURE (50 w EA.) WITH PHOTO-CELL
- WALL MOUNTED EXTERIOR WALL PACK FLOOD LIGHT (75 w EA.) MH WITH PHOTO-CELL
- CAN LIGHT WITH TRIM (90W)
- $ - SWITCH
- $3 - 3 WAY SWITCH
- POWER PANEL

CLECO Power LLC - Electrical Load Summary

Project Name: Paul Rees Office Building
Project Address: 2275 8th. Street
City / Town: Mandeville, Louisiana

Intended Use: Office Building
Requested Service: 240 Volts 1 Ø Phase 3 Wires
Service Entrance Size: 200--- Amps
HVAC Tonnage: 7.00 Tons
Largest Motor: N/A HP (Note: Motors above 20 hp may require reduced Voltage starting and are never recommended for use with 120/240V, 3 Ø, 4W services.)
Total Building Square Footage: 2,188 Square Feet
Individual Unit Square Footage: N/A Square Feet (Multiple Occupancy)
Individual Unit Designation: N/A (Multiple Occupancy)

LOAD SOURCE	1Ø - kVA	3Ø - kVA	or	1Ø - kW	3Ø - kW
Building Lighting	2266	-	or	-	-
Electric Water Heating	7200	-	or	-	-
Heat Pumps	-	-	or	-	-
Supplemental Heat System	-	-	or	-	-
Air Conditioning Condensing Units	14400	-	or	-	-
Electrical Heating (Primary) - AHUs	21600	-	or	-	-
Cooking	-	-	or	-	-
Refrigeration	160	-	or	-	-
Receptacles (Standard)	7040	-	or	-	-
Receptacles (Computer)	-	-	or	-	-
Total Motors (Exclude HVAC)	-	-	or	-	-
Exterior Lighting	810	-	or	-	-
Miscellaneous - Ceiling Fans	640	-	or	-	-
Other (Specify)	-	-	or	-	-

PANEL: LP-1
LOCATION: PAUL REES OFFICE BUILDING ELECTRICAL CLOSET
FEEDER SOURCE: CLECO

VOLTAGE: 120/240V, 200A 1ø, 3W, MLO
SURFACE MOUNTED W/EQUIPMENT GND BAR

CKT. NO.	THHN WIRE SIZE	LOAD DESCRIPTION / LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	A#	B#	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION / LOCATION	THHN WIRE SIZE	CKT. NO.
1	#6	AHU #1 10 KW	45	2	5400			3600	2	30	A/C COMPRESSOR #1 3 1/2 TON	#8	2
3					5400			3600					4
5	#6	AHU #2 10 KW	45	2	5400			3600	2	30	A/C COMPRESSOR #2 3 1/2 TON	#8	6
7					5400			3600					8
9	#8	WATER HEATER 20 GALLON	30	2	3600			640	1	20	FOYER 100 RECEPTACLE, RESTROOMS 101, 102, & EXTERIOR GFI RECEPTACLES	#12	10
11					3600			1120	1	20	OFFICE 103, OFFICE 104, & CORRIDOR 105 RECEPTACLES	#12	12
13	#12	CORRIDOR 106, OFFICE 107, EXTERIOR GFI, & HVAC DECK RECEPTACLES	20	1	1120			1280	1	20	OFFICE 108, ELECTRIC ROOM 109, AND EXTERIOR GFI RECEPTACLES	#12	14
15	#12	WARMING KITCHEN 110 REFRIGERATOR RECEPTACLE	20	1	160			800	1	20	WARMING KITCHEN 110 RECEPTACLES AND GFI RECEPTACLES	#12	16
17	#12	MEETING ROOM 112 RECEPTACLES	20	1	800			640	1	20	MEETING ROOM 112 CEILING FANS	#12	18
19	#12	MEETING ROOM 112 AND EXTERIOR GFI RECEPTACLES	20	1	1120			480	1	20	FOYER 100, CORRIDOR 105, AND CORRIDOR 106 LIGHTS	#12	20
21	#12	SPARE	20	1	–			192	1	20	RESTROOMS 101 & 102 LIGHTS	#12	22
23	#12	OFFICES 103, 104, & 107 LIGHTS	20	1	384			384	1	20	OFFICE 108 & ELECTRIC ROOM 109 LIGHTS	#12	24
25	#12	WARMING KITCHEN 110 AND SUPPLIES 111 LIGHTS	20	1	192			508	1	20	EXIT, EMERGENCY, EXTERIOR WALL-MTD., & EXTERIOR WALL PACK FLOOD LIGHTS	#12	26
27	#12	MEETING ROOM 112 LIGHTS	20	1	576			360	1	20	PORCH 113 CAN LIGHTS	#12	28
29	#12	SPARE	20	1	–			–	1	20	SPARE	#12	30
31	#12	SPARE	20	1	–			–	1	20	SPARE	#12	32
33	–	SPACE	–	–	–			–	1	20	SPARE	#12	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 (VA)=53,956
A#=26,972 B#=26,984

BY: COREY THOMAS, P.E. GROUND BUS DEPUTY
GROUND WIRE (G)

06-01-11
STATE FIRE MARSHAL
REVIEWED FOR
STATE FIRE MARSHAL
AS PER REVIEW LETTER

DAMMON ENGINEERING, INC.

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EXPERT WITNESS

PAUL REES
OFFICE BUILDING
2275 8TH. ST.
MANDEVILLE, LA
70471

LIGHTING PLAN

REV:

SCALE: AS NOTED
JOB#: 2104
DATE: 05-20-11
SHEET 19

E-2

OF 20