



22 LIGHTING PLAN
SCALE: 1/4"=1'-0"

LIGHTING LEGEND

- 2x4 LED LIGHTING FIXTURE
- LED RECESSED LIGHT FIXTURE
- LED EXTERIOR WALL MOUNTED LIGHT FIXTURE
- LED VANITY LIGHT
- JUNCTION BOX
- EMERGENCY LIGHT FIXTURE
- EXIT LIGHT FIXTURE
- LIGHT SWITCH 120V COMMERCIAL GRADE
- 3-WAY LIGHT SWITCH 120V COMMERCIAL GRADE
- EXHAUST FAN SEE MECHANICAL PLAN
- CIRCUIT HOME RUN

KEY NOTES

1. PROVIDE CONNECTION TO UN-SWITCHED HOT OF LIGHTING CIRCUIT AND SHALL HAVE 90 MINUTE EMERGENCY BATTERY BACKUP.
- NOTE:
REPLACE NECESSARY FIXTURES CAUSED BY REMODEL AND REUSE FIXTURES WHEN ABLE

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. GENERAL CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY IF ANY CONFLICTS OCCUR BETWEEN LIGHTING AND ANY OTHER TRADE. DO NOT PROCEED WITH INSTALLATION IN THAT AREA UNTIL CONFLICT HAS BEEN RESOLVED TO THE SATISFACTION OF THE ARCHITECT AND ENGINEER.
3. 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.
4. WHEN SPECIFIC LIGHT FIXTURE HAS BEEN SPECIFIED IN THE FIXTURE SCHEDULE, ELECTRICAL CONTRACTOR SHALL PROVIDE COMPLETE ASSEMBLY INCLUSIVE ALL PARTS AND HARDWARE TO INSURE PROPER FUNCTIONING FIXTURE.
5. ALL CONDUCTORS SHALL BE A MINIMUM OF #12 AWG UNLESS NOTED OTHERWISE.
6. 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.
7. ALL CONDUCTORS SHALL BE COPPER.
8. WHERE CONDUCTOR SIZES ARE NOTED ON DRAWINGS, THAT WIRE SIZE SHALL BE THROUGH THE ENTIRE RUN UNLESS OTHERWISE NOTED.
9. MOUNTED LIGHT SWITCHES 48" AFF UNLESS NOTED OTHERWISE ON ARCHITECTURAL DRAWINGS.
10. WHERE MORE THAN ONE SWITCH OCCURS IN THE SAME LOCATION, THEY SHALL BE INSTALLED IN A GANG TYPE BOX UNDER ONE COVER PLATE. 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.
11. EACH DIMMER SWITCH SHALL HAVE A WATTAGE RATING 25% HIGHER THAN THE TOTAL WATTAGE OF ALL 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 SHALL BE LUTRON NOVA T-STAR.
12. WHERE FLUORESCENT FIXTURES ARE SHOWN TO BE DIMMED, THE FIXTURES SHALL HAVE DIMMING TYPE BALLASTS WHICH ARE COMPATIBLE WITH THE SPECIFIED DIMMERS.
13. WHERE LED FIXTURES/LAMPS ARE SHOWN TO BE DIMMED, THE DIMMER SHALL BE COMPATIBLE WITH THE FIXTURE/LAMP SPECIFIED OR PROVIDED.
14. ALL EMERGENCY EXIT LIGHT FIXTURES SHALL HAVE 90 MINUTE BATTERY BACKUP WITH INTEGRAL TEST BUTTON AND SHALL BURN CONTINUOUSLY.
15. ALL FLUORESCENT FIXTURES THAT UTILIZE DOUBLE-ENDED LAMPS AND CONTAIN BALLASTS SHALL BE PROVIDED WITH A DISCONNECTING MEANS IN ACCORDANCE WITH NEC 410.136.

PANEL SCHEDULE

PANEL:		PP1 WAITING ROOM		VOLTAGE:		208/120, 1Ø, 3Ø, 90A W/ 100A MAIN BREAKER					
LOCATION:		EXISTING PANEL		ENCLOSURE:		FLUSH MOUNTED W/ EQUIPMENT GND BAR SQ D TYPE GO LOAD CENTER					
CKT NO	THHN WIRE SIZE	LOAD DESCRIPTION	BREAKER	LOAD (VA)	AØ	BØ	LOAD (VA)	BREAKER	LOAD DESCRIPTION	THHN WIRE SIZE	CKT NO
		LOCATION	AMP POLE								
1	#12	RECEPTACLES, OFFICE 1 & 2	20 1	1260			2400	2 30	AIR HANDLING UNIT	#10	2
3	#12	RECEPTACLES, EXAM ROOMS 3 & 4	20 1	1440			2400	2 30	CONDENSER UNIT	#10	4
5	#12	RECEPTACLES, EXAM ROOM 5 AND WAITING ROOM	20 1	1260			1000	2 30	ON DEMAND WATER HEATER	#10	6
7	#12	RECEPTACLES, EXAM ROOM 6 AND REST ROOMS	20 1	1080			1000	1 30	ON DEMAND WATER HEATER	#10	8
9	#12	RECEPTACLES, EXAM ROOM 7 AND RECEPTIONIST	20 1	1080			1500	1 30	ON DEMAND WATER HEATER	#10	10
11	#12	RECEPTACLES RECEPTIONIST COUNTER	20 1	180			1500	1 30	ON DEMAND WATER HEATER	#10	12
13	#12	RECEPTACLE RECEPTIONIST COUNTER	20 1	180			1500	1 30	ON DEMAND WATER HEATER	#10	14
15	#12	LIGHTS, WAITING ROOM AND HALL	20 1	600			1500	1 20	WATER FOUNTAIN	#12	16
17	#12	LIGHTS, OFFICE 1 & 2 AND EXAM ROOMS 3, 4 & 5	20 1	300			800	1 20	SPACE		18
19	#12	LIGHTS, EXAM ROOMS 6 & 7 RESTROOMS AND RECEPTIONIST	20 1	300				1	SPACE		20
21		SPACE		1				1	SPACE		22
23		SPACE		1				1	SPACE		24
				TOTAL CONNECTED LOAD (VA) = 14,400				GROUND BUS GROUND WIRE (G)			
				A Ø = 7,450		B Ø = 7,000					

DAMMON ENGINEERING, INC.
LOUISIANA & MISSISSIPPI

www.dammonengineering.com
info@dammonengineering.com
Chief Engineer: Brian Mitchell, PE
554 Old Spanish Trail
Slidell, LA 70458
PH: 985-649-5832

REVISIONS

#	DATE	DESCRIPTION

SEAL:

LSA CONSULTANTS

56684 BOCAVISTA ST.
SLIDELL, LA 70458

JOB No: DATE: 02-15-2023
DRAWN BY: CJD CHECKED BY: CJD

SHEET TITLE:
LIGHTING PLAN AND PANEL SCHEDULE

DRAWING NUMBER:
E102

SHEET No: 13 of 13