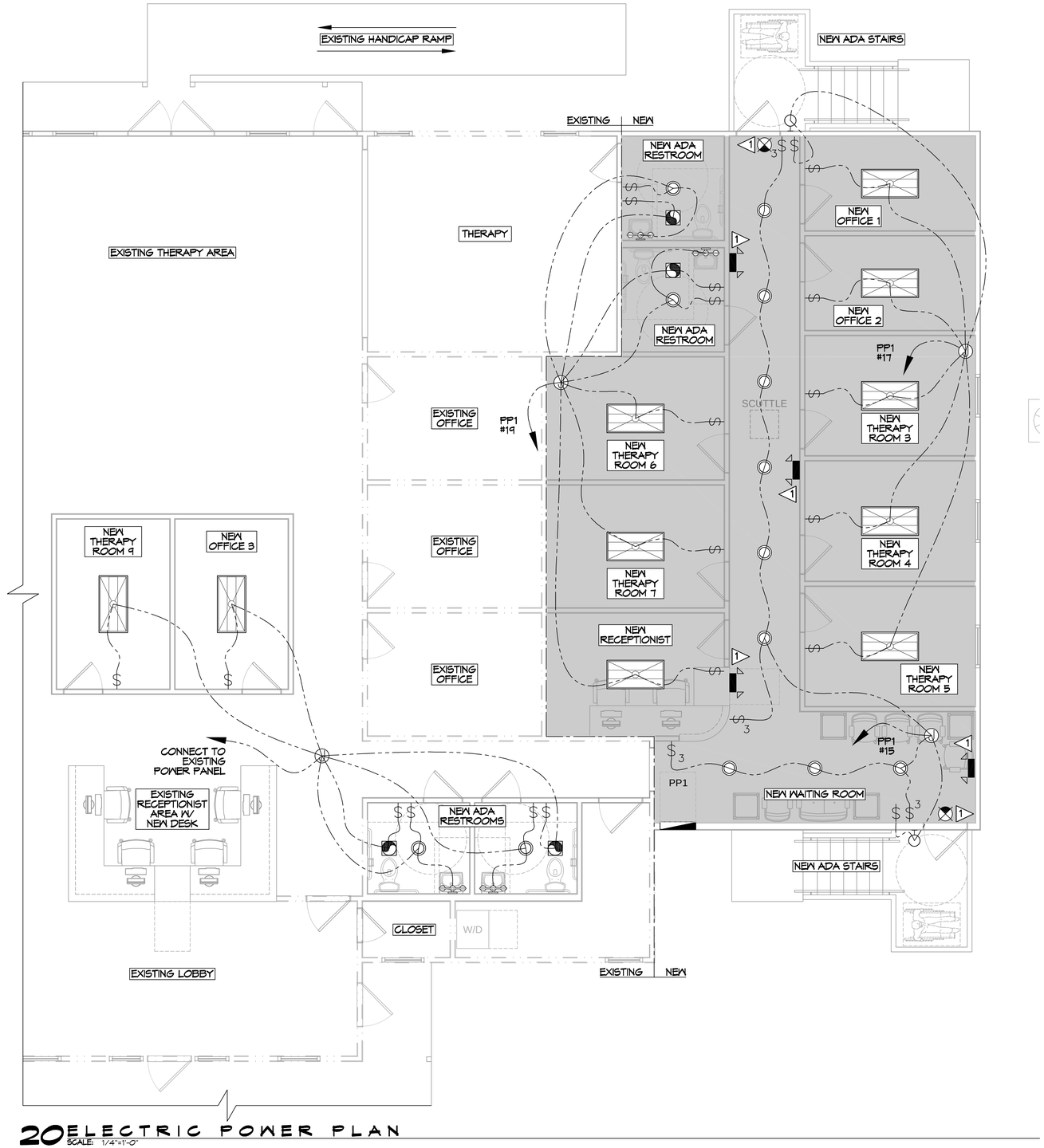

20 ELECTRIC POWER PLAN
SCALE: 1/4"=1'-0"

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 AL 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 410.73G.

PANEL SCHEDULE

PANEL: PP1
LOCATION: WAITING ROOM
FEEDER SOURCE: EXISTING PANEL

VOLTAGE: 208/120, 1Φ, 3W W/ 100A MAIN BREAKER
ENCLOSURE: FLUSH MOUNTED W/ EQUIPMENT GND BAR SQ D TYPE QO LOAD CENTER

CKT NO	THHN WIRE SIZE	LOAD DESCRIPTION / LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	AΦ	BΦ	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION / LOCATION	THHN WIRE SIZE	CKT NO
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					4
5	#12	RECEPTACLES, EXAM ROOM 5 AND WAITING ROOM	20	1	1260			1000	2	30	CONDENSER UNIT	#10	6
7	#12	RECEPTACLES, EXAM ROOM 6 AND REST ROOMS	20	1	1080			1000					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					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					16
17	#12	LIGHTS, OFFICE 1 & 2 AND EXAM ROOMS 3, 4 & 5	20	1	300				1		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

SOLID NEUTRAL NEUTRAL WIRE (W) — GROUND BUS GROUND WIRE (G)

TOTAL CONNECTED LOAD (VA) = 14,480
AΦ = 7,480 — BΦ = 7,000

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REVISIONS

#	DESCRIPTION	DATE

SEAL:
BRIAN A. MISTICH License No. 30187 PROFESSIONAL ENGINEER STATE OF LOUISIANA

LA HEALTH SOLUTIONS
56634 BOSWORTH ST.
SLIDELL, LA 70458

DATE: 04-20-2022
JOB No:
DRAWN BY: CKD
CHECKED BY: CKD

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SHEET TITLE:
LIGHTING PLAN AND PANEL SCHEDULE

DRAWING NUMBER:
E102

SHEET No: 12 of 12