LEGEND

- EMERGENCY LIGHT FIXTURE(12w)
- EXIT LIGHT FIXTURE - WALL MOUNTED (10w)
- LED WALL MOUNTED LIGHT FIXTURE WITH 40 MIN. BACK-UP (15w)
- WALL-MOUNTED VANITY LIGHT FIXTURE (100w)
- LED WALL-MOUNTED LIGHT FIXTURE (15w)
- LED EXTERIOR FLOOD LIGHTS MOTION-ACTIVATED WITH PE PHOTO TIMER (240w)
- CEILING MOUNTED FLUORESCENT STRIP FIXTURE (2 BULB 64w TOTAL)
- LP ELECTRIC PANEL BOARD
- CIRCUIT HOME RUN
- $ LIGHT SWITCH 120V COMMERCIAL GRADE
- $3 LIGHT SWITCH - 3-WAY 120V COMMERCIAL GRADE
- VENT/LIGHT COMBO UNIT(23w), SEE MECHANICAL

LEGEND

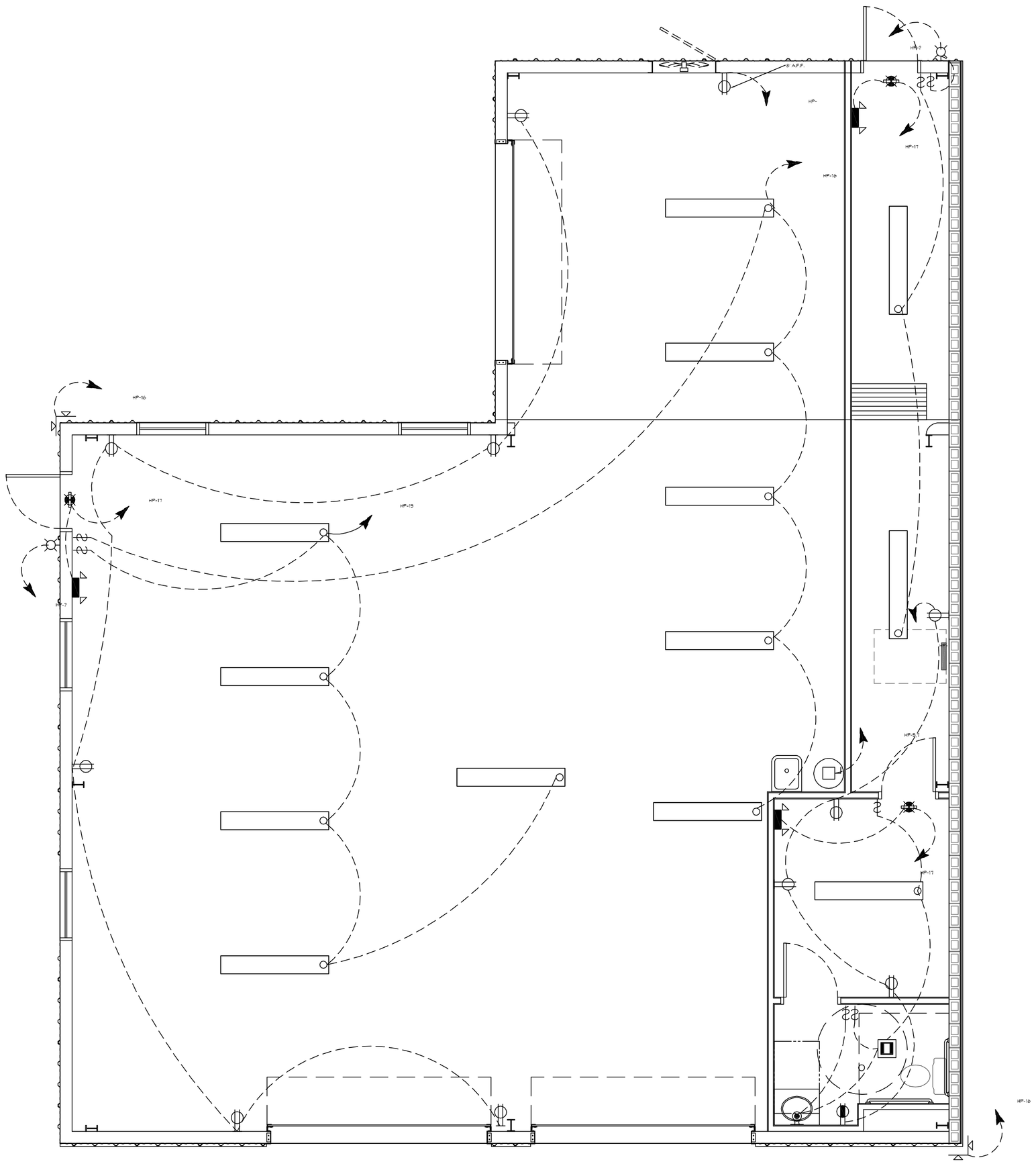
SYMB	DESCRIPTION
	STANDARD 120V DUPLEX RECEPTACLE, NEMA 5-2 OR 18" AFF (UNLESS OTHERWISE NOTED)
	GFCI DUPLEX RECEPTACLE
	WEATHER-PROOF GFCI DUPLEX RECEPTACLE MOUNTED AT 30" AFF (UNLESS OTHERWISE NOTED)
J	JUNCTION BOX
	POWER DISCONNECT
	WATER HEATER ON DECK OR MEZZANINE ABOVE - SIZE AS NOTED ON PLAN
	EXHAUST FAN - SEE MECH.

NOTES:

1. CONNECT ALL EMERGENCY/EXIT LIGHT FIXTURES TO NEAREST CONSTANT POWER SOURCE.
2. CONTRACTOR SHALL USE EXISTING FIXTURES AS POSSIBLE.

GENERAL ELEC POWER 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. ELECTRICAL CONTRACTOR SHALL VERIFY ALL WIRE AND CONDUIT SIZES FOR MECHANICAL EQUIPMENT TO BE INSTALLED.
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 OF ALL LIGHTING FIXTURES, RECEPTACLES AND TELEPHONE OUTLETS, ETC. SHALL BE DETERMINED BY ACTUAL CONDITIONS IN THE FIELD.
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. ELECTRICAL CONTRACTOR SHALL COORDINATE THE TELEPHONE INSTALLATION WITH THE TELEPHONE COMPANY AND THE GENERAL CONTRACTOR.
8. WHERE MORE THAN ONE SWITCH OCCURS IN THE SAME LOCATION, THEY SHALL BE INSTALLED IN A GANG TYPE BOX UNDER ONE COVER PLATE.
9. ELECTRICAL CONTRACTOR, BEFORE INSTALLING ANY OF THE WORK, SHALL SEE THAT IT DOES NOT INTERFERE WITH CLEARANCES REQUIRED FOR FINISHED CEILINGS, 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. ALL TESTS SHALL BE MADE IN ACCORDANCE WITH THE LATEST STANDARD OF THE IEEE AND THE NATIONAL ELECTRICAL CODE.
11. MINIMUM CONDUCTOR SIZE SHALL BE #12, 600V INSULATION. MINIMUM SIZE CONDUIT SHALL BE 3/4" ELECTRICAL METALLIC TUBING (EMT) FOR INTERIOR USE, AND 3/4" RIGID ALUMINUM FOR EXTERIOR USE. USE NON-METALLIC CABLE (NMC) CABLE COPPER, FOR LIGHTS AND RECEPTACLE CIRCUITS IN WOOD FRAME CONSTRUCTION AREAS ONLY; IN STEEL FRAMING AREAS THE USE OF EMT (MINIMUM) IS REQUIRED; EXTERIOR FITTINGS SHALL BE CAST BOXES AND COVERS. INTERIOR FITTINGS SHALL BE STAMPED BOXES.
12. CONTRACTOR SHALL INSTALL WIRING AND OTHER CIRCUIT COMPONENTS TO MATCH EQUIPMENT ACTUALLY INSTALLED.
13. INSTALL GROUND FAULT RECEPTACLES AT RECEPTACLE LOCATIONS WITHIN 5' OF SINKS OR LAVATORIES, AND AT EXTERIOR LOCATIONS. EXTERIOR RECEPTACLES SHALL ALSO BE WATERPROOF.
14. BONDING AND GROUNDING SHALL BE IN ACCORDANCE WITH NFPA 70-250-63, NFPR 250-23, 250-71 & 250-72.
15. GROUND NEUTRAL IN ACCORDANCE WITH NFPA 70-250-23b.
16. FUSES SHALL BE ITT CLASS K5, 250 VOLT, 200,000 AMP INTERRUPTING CAP.
17. PROVIDE SERVICES OF A FIRE/SMOKE DETECTION AND ALARM COMPANY TO DESIGN AND INSTALL ALARM SYSTEM TO MEET REQUIREMENTS OF THE STATE FIRE MARSHALL AND THE FIRE DISTRICT.
18. 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.
19. ALL ELECTRICAL, MECHANICAL AND 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.)
20. VERIFY ELECTRICAL CONNECTIONS PER MANUFACTURER'S RECOMMENDATIONS.

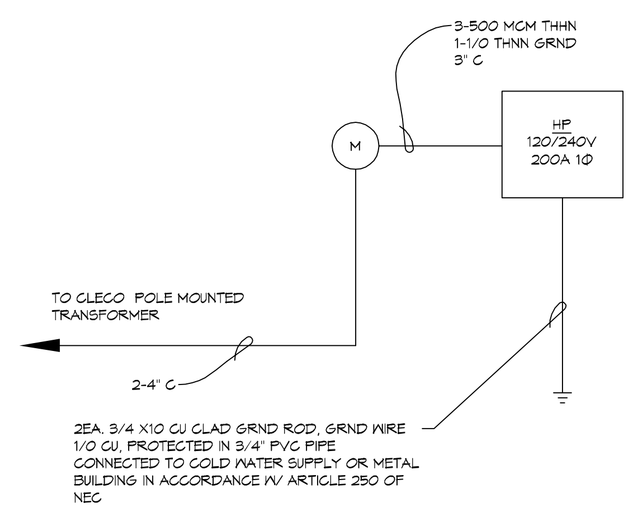


1 LIGHTING & POWER PLAN
SCALE: 3/16"=1'-0"

PANEL SCHEDULE

PANEL: HP
LOCATION: EXTERIOR WALL BY METER
FEEDER SOURCE: GUBGO
VOLTAGE: 120/240V, 200A, 1Ø, 3W
ENCLOSURE: SURFACE MOUNTED

CKT NO	THWN WIRE SIZE	CKT DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	A0	B0	LOAD (VA)	BREAKER POLE	BREAKER AMP	CKT DESCRIPTION LOCATION	THWN WIRE SIZE	CKT NO
1	#6	A/C CONDENSER UNIT 1-1/2 TON	20	2	1440			2160	2	30	A/C UNIT 1-1/2 TON 10 kw HEAT	#6	3
3					1440			2160					4
5	#6	WATER HEATER 40 GALLON	40	2	2500			1500	1	20	ELEVATOR MOTOR	#12	6
7					2500			1080	1	20	RECEPTACLES IN ENTRY, OFFICE & RESTROOM	#12	8
9	#12	RECEPTACLES IN ENTRY, WAREHOUSE, & EXTERIOR AT A/C	20	1	1440			720	1	20	RECEPTACLES IN WAREHOUSE	#12	10
11	#12	DISCONNECT FOR WALL VENTILATION FAN	20	1	1500			852	1	20	ENTRY & ELEVATOR LIGHTS EXIT & EXTERIOR LIGHT AT DOOR	#12	12
13	#12	EXIT & EXTERIOR LIGHT AT REAR WAREHOUSE PERSONNEL DOOR	20	1	85			445	1	20	WAREHOUSE LIGHTS	#12	14
15	#12	OFFICE & RESTROOM LIGHTS & EXHAUST FAN IN RESTROOM	20	1	378			960	1	20	EXTERIOR FLOOD LIGHTS	#12	16
17	#12	EMERGENCY LIGHTS	20	1	45			-	1	20	SPARE	-	18
19	-	SPARE	20	1	-			-	1	20	SPARE	-	20
21	-	SPARE	20	1	-			-	1	20	SPARE	-	22
23	-	SPARE	20	1	-			-	1	20	SPARE	-	24
25	-	SPACE	-	1	-			-	1	-	SPACE	-	26
27	-	SPACE	-	1	-			-	1	-	SPACE	-	28
29	-	SPACE	-	1	-			-	1	-	SPACE	-	30
31	-	SPACE	-	1	-			-	1	-	SPACE	-	32
33	-	SPACE	-	1	-			-	1	-	SPACE	-	34
35	-	SPACE	-	1	-			-	1	-	SPACE	-	36
37	-	SPACE	-	1	-			-	1	-	SPACE	-	38
39	-	SPACE	-	1	-			-	1	-	SPACE	-	40
41	-	SPACE	-	1	-			-	1	-	SPACE	-	42
SOLID NEUTRAL NEUTRAL WIRE (N)					TOTAL CONNECTED LOAD (VA) = 22,440						GROUND BUS GROUND WIRE (G)		
					A0 = 11,241			B0 = 11,201					



1 ONE LINE DIAGRAM
SCALE: 3/8"=1'-0"

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#	DESCRIPTION	DATE

REVISIONS

SEAL:

OFFICE WAREHOUSE FOR
LESTER RALPH

14256 OLD SPANISH TRAIL
SLIDELL, LA. 70459

JOB No:	2303
DATE:	02-16-17
DRAWN BY:	BAM
CHECKED BY:	JTL

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SHEET TITLE:
LIGHTING & POWER PLAN

DRAWING NUMBER:
E101

SHEET No: 13 of #

FILE NAME: J:\-COMMON\2303-1456 old spanish trail Lester Ralph\Drawings\Current Drawings\E101 - Electrical Plan.dwg PLOT DATE & TIME: Monday, March 20, 2017 11:25:07 AM