PANEL SCHEDULE

PANEL: PANEL P1
LOCATION: OUTSIDE
FEEDER SOURCE: UTILITY COMPANY

VOLTAGE: 120/240V, 225A, 1Φ, 3W
ENCLOSURE: FLUSH MOUNTED, NEMA 1 PNLBD W/EQUIP GND BAR, 225A M/B, 65KAIC

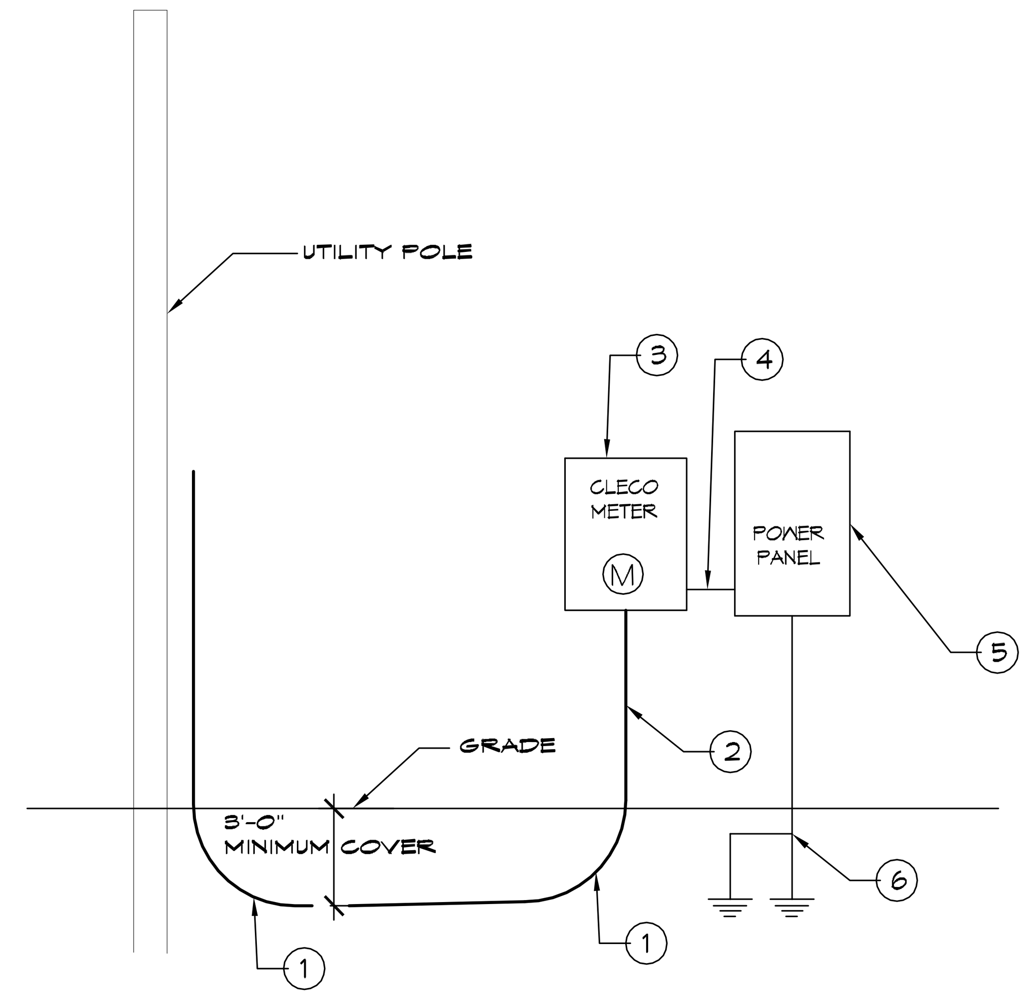
CKT NO	THHN WIRE SIZE	LOAD DESCRIPTION / LOCATION	BREAKER AMP	BREAKER POLE	LOAD (kva)	LOAD (kva)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION / LOCATION	THHN WIRE SIZE	CKT NO
1	#10	2.5 TON CU-1	20	2	1.3	2.9	2	25	2.5 TON AHU-1; 3.8 KW	#10	2
3					1.3	2.9					4
5	#10	5 TON CU-2	60	2	3.5	4.1	2	35	5 TON AHU-2; 4.8 KW	#6	6
7					3.5	4.1					8
9	#10	HOT WATER HEATER	30	2	2.3	1.7	2	20	GRINDER PUMP/LIFT STATION	#10	10
11					2.3	1.7					12
13	#12	ROOM 111 OUTLETS	20	1	1.3	1.4	1	20	ROOMS 112 & 113 OUTLETS	#12	14
15	#12	ROOMS 114 & 115 OUTLETS	20	1	1.3	1.3	1	20	ROOM 115 & HALLWAY OUTLETS	#12	16
17	#12	ROOM 109 OUTLETS	20	1	1.3	1.4	1	20	ROOMS 101, 110 & HALLWAY 104 OUTLETS	#12	18
19	#12	ROOM 102 OUTLETS	20	1	1.4	1.4	1	20	ROOM 103 & 105 OUTLETS	#?	20
21	#12	ROOM 105 & WAREHOUSE 116 OUTLETS	20	1	1.4	1.4	1	20	WAREHOUSE 116 OUTLETS	#12	22
23	#12	WAREHOUSE 116 OUTLETS	20	1	1.4	1.1	1	20	WAREHOUSE 116 OUTLETS	#12	24
25	#12	WAREHOUSE 116 OUTLETS	20	1	1.1	1.3	1	20	OUTSIDE OUTLETS	#12	26
27	#12	RM 102, 103, 105, 106, 108 LGTS	20	1	0.7	0.4	1	20	ENTRANCE 101 & HALLWAY 104 LGTS	#12	28
29	#12	RM 109, & 110 LIGHTS	20	1	0.4	0.9	1	20	RM 111, 112, 113, 114, 115 & 118 LGTS	#12	30
31	#12	OUTSIDE LIGHTS	20	1	0.5	0.9	1	20	RM 116 STRIP LGTS, 117 LGTS	#12	32
33	-	SPARE	20	1	-	--	1	20	SPARE	--	34
35	-	SPARE	20	1	-	1.0	2	20	WAREHOUSE LOW BAY LIGHTS	#12	36
37	-	SPARE	20	1	-	1.0					38
39	#10	WAREHOUSE 116 240V OUTLET	30	2	2.3	2.3	2	30	OUTSIDE 240V OUTLET	#10	40
41					2.3	2.3					42

SOLID NEUTRAL
NEUTRAL WIRE (W)

TOTAL CONNECTED LOAD = 65.1 kva

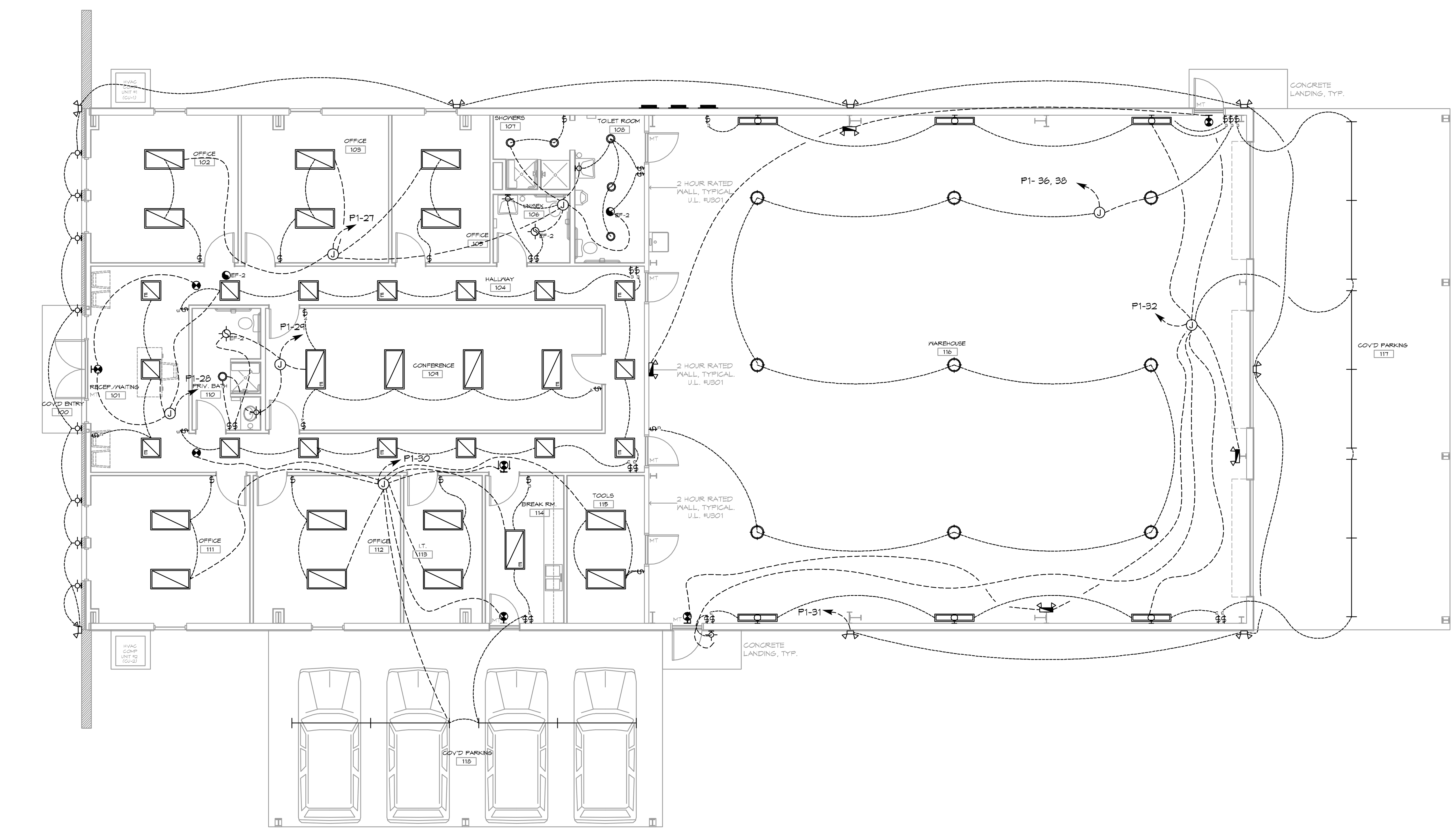
AΦ = 33.3 kva | BΦ = 31.8 kva

GROUND BUS
GROUND WIRE (G)



ONE LINE NOTES:

1. 36" LONG SWEEP ELBOW
2. PROVIDE TWO (2) 4", SCHEDULE 40 PVC CONDUIT BELOW GRADE AND SCH 80 PVC CONDUIT ABOVE GRADE WITH SUITABLE FISH WIRE.
3. 120/240V 1Φ 225amp METER PAN.
4. 3-250 MCM THHN, 1-#2 CU GND, 2 1/2" C
5. 120/240V 1Φ 225amp PANELBOARD WITH MAIN BREAKER.
6. 2-3/4" x 10' CU CLAD GND ROD, #2 CU GND WIRE. PROTECT IN PVC PIPE. CONNECT TO METAL BLDG, COLD WATER SUPPLY & GAS LINE. CAD WELD ALL CONNECTIONS.



N 16 LIGHTING PLAN
SCALE: 1/8"=1'-0"

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.
8. 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.
9. 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.
10. WHERE FLUORESCENT FIXTURES ARE SHOWN TO BE DIMMED, THE FIXTURES SHALL HAVE DIMMING TYPE BALLASTS WHICH ARE COMPATIBLE WITH THE SPECIFIED DIMMERS.
11. WHERE LED FIXTURES/LAMPS ARE SHOWN TO BE DIMMED, THE DIMMER SHALL BE COMPATIBLE WITH THE FIXTURE/LAMP SPECIFIED OR PROVIDED.
12. ALL EMERGENCY EXIT LIGHT FIXTURES SHALL HAVE 90 MINUTE BATTERY BACKUP WITH INTEGRAL TEST BUTTON AND SHALL BURN CONTINUOUSLY.
13. ALL FLUORESCENT FIXTURES THAT UTILIZE DOUBLE-ENDED LAMPS AND CONTAIN BALLASTS SHALL BE PROVIDED WITH A DISCONNECTING MEANS IN ACCORDANCE WITH NEC 410.73G.

LEGEND

- RECESSED 2' x 4' "LED" LIGHT FIXTURE, TO BE SELECTED. ("E" DENOTES FIXTURE ON EMERGENCY LIGHTING CIRCUIT)
- RECESSED 2' x 2' "LED" LIGHT FIXTURE, TO BE SELECTED. ("E" DENOTES FIXTURE ON EMERGENCY LIGHTING CIRCUIT)
- RECESSED "LED" "DOWN" LIGHT FIXTURE, TO BE SELECTED. ("E" DENOTES FIXTURE ON EMERGENCY LIGHTING CIRCUIT)
- RECESSED VENT/LIGHT FIXTURE, TO BE SELECTED.
- RECESSED EXHAUST FAN, TO BE SELECTED.
- CEILING MOUNTED "LED" "HIGH-BAY" LIGHT FIXTURE, TO BE SELECTED.
- ADJUSTABLE WALL WASHER LIGHT FIXTURE, TO BE SELECTED.
- 8' L. CEILING MOUNTED "LED" STRIP LIGHT FIXTURE, TO BE SELECTED.
- WALL MOUNTED "LED" LIGHT FIXTURE, TO BE SELECTED.
- WALL MOUNTED "SECURITY" LIGHT FIXTURE, TO BE SELECTED.
- $ SINGLE POLE WALL SWITCH, MOUNTED AT 48" A.F.F., UNLESS NOTED OTHERWISE.
- $3 THREE WAY WALL SWITCH, MOUNTED AT 48" A.F.F., UNLESS NOTED OTHERWISE.
- $4 FOUR WAY WALL SWITCH, MOUNTED AT 48" A.F.F., UNLESS NOTED OTHERWISE.
- WALL OR CEILING MOUNTED "EXIT" LIGHT, WITH BATTERY BACKUP ON EMERGENCY CIRCUIT, TO BE SELECTED.
- WALL MOUNTED "EMERGENCY" LIGHT, WITH BATTERY BACKUP ON EMERGENCY CIRCUIT, TO BE SELECTED.
- ELECTRICAL DISCONNECT SWITCH. SIZED, CIRCUITED, AND MOUNTED PER CODE.
- ELECTRICAL PANEL. SIZED, CIRCUITED, AND MOUNTED PER CODE.
- ELECTRIC METER, MOUNTED PER CODE.
- (J) JUNCTION BOX

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REVISIONS

#	DESCRIPTION	DATE

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

NEW OFFICE WAREHOUSE
ZEIGLER TREE & TIMBER, CO.
LA. HWY 1085 DEER CROSS DRIVE
MADISONVILLE, LA 70447

JOB No: 2383 | DATE: 10-09-2019
DRAWN BY: CKD | CHECKED BY: BAM

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SHEET TITLE: LIGHTING PLAN

DRAWING NUMBER: E102