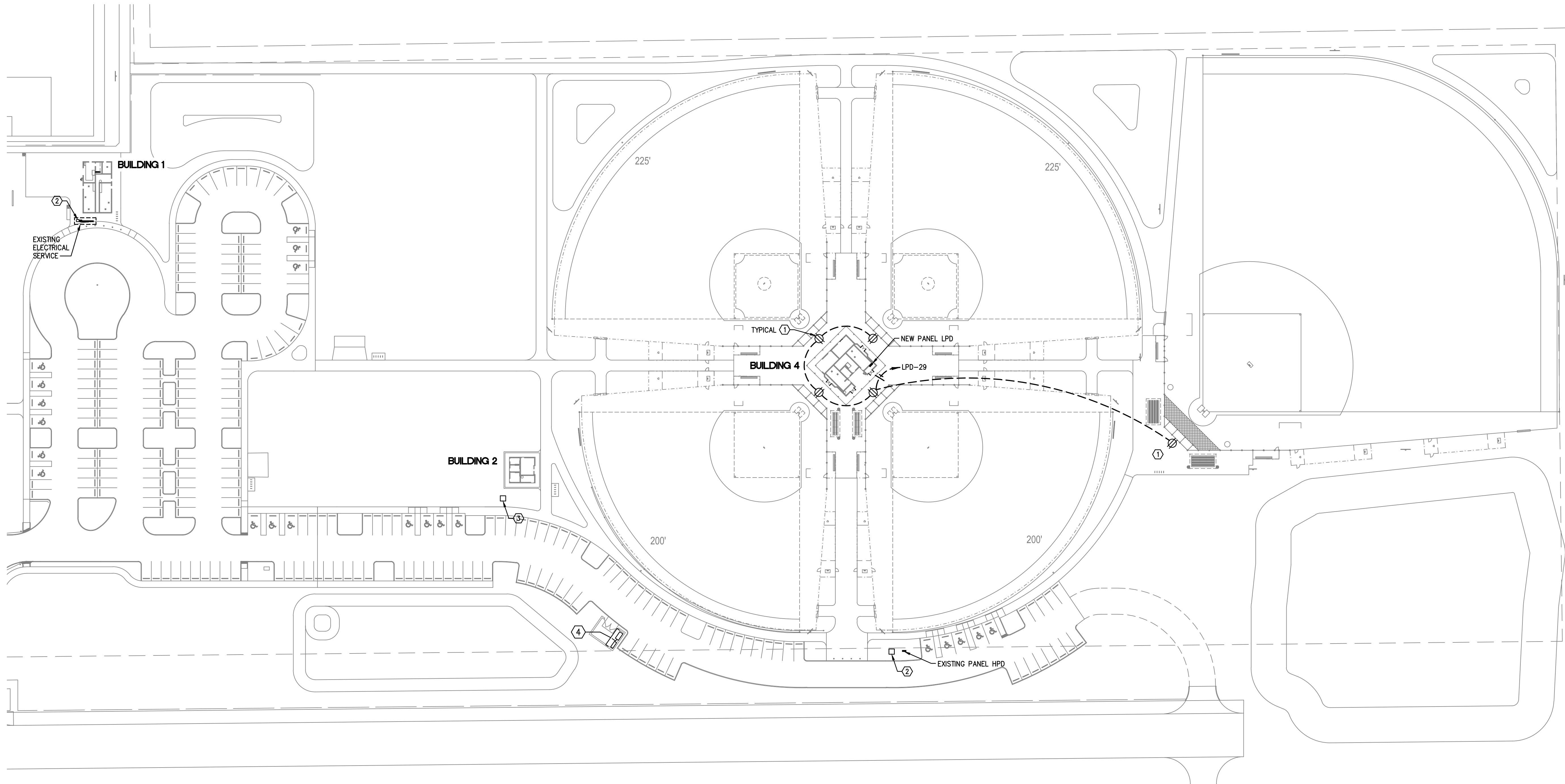


ISSUED FOR:	
ISSUANCE	DD MM YY
RFI 003	01 OCT 19
COMMENT RESPONSE	11 NOV 19
COMMENT RESPONSE	21 NOV 19



**1 SITE POWER PLAN**  
 E-02 1" = 60'-0" 

VOLTAGE DROP TABLE	
TYPICAL SITE LIGHTING CIRCUIT: 120V/1-PHASE 8 AMPS	
1/2 TOTAL CIRCUIT LENGTH	CONDUCTOR SIZE
1'-90'	#12 AWG
91'-145'	#10 AWG
146'-235'	#8 AWG
376' +	#4 AWG

**GENERAL NOTES**

- FIELD COORDINATE EXACT ROUTING OF UNDERGROUND CONDUIT. CALCULATE VOLTAGE DROP BASED ON ACTUAL PATH OF WIRE. REFER TO TABLES, THIS SHEET. SIZE ALL CONDUCTORS AND GROUNDS APPROPRIATELY.


**POWER PLAN NOTES**

- PROVIDE GROUNDED/WEATHER PROOF RECEPTACLE. COORDINATE EXACT LOCATIONS AND MOUNTING WITH OWNER. PROVIDE WITH LOCKABLE, WHILE-IN-USE COVER SIMILAR TO INTERMATIC WP1010MC. RUN SCHEDULE 40 PVC UNDERGROUND AND SCHEDULE 80 PVC FROM 90 TO STUB UP INTO J-BOX.
- EXISTING PAD MOUNTED UTILITY TRANSFORMER.
- PROPOSED LOCATION OF NEW UTILITY TRANSFORMER.
- PROVIDE CONNECTION TO LIFT STATION EQUIPMENT AS PER LIFT STATION VENDOR DIRECTIONS. REFER TO SHEET E-07 FOR FURTHER INFORMATION. ELECTRICAL CONTRACTOR SHALL REFER TO LIFT STATION SHOP DRAWINGS FOR ELECTRICAL REQUIREMENTS PRIOR TO PURCHASING EQUIPMENT OR ROUGH-IN. LIFT STATION SHOP DRAWINGS SHALL TAKE PRECEDENT OVER THESE DRAWINGS.

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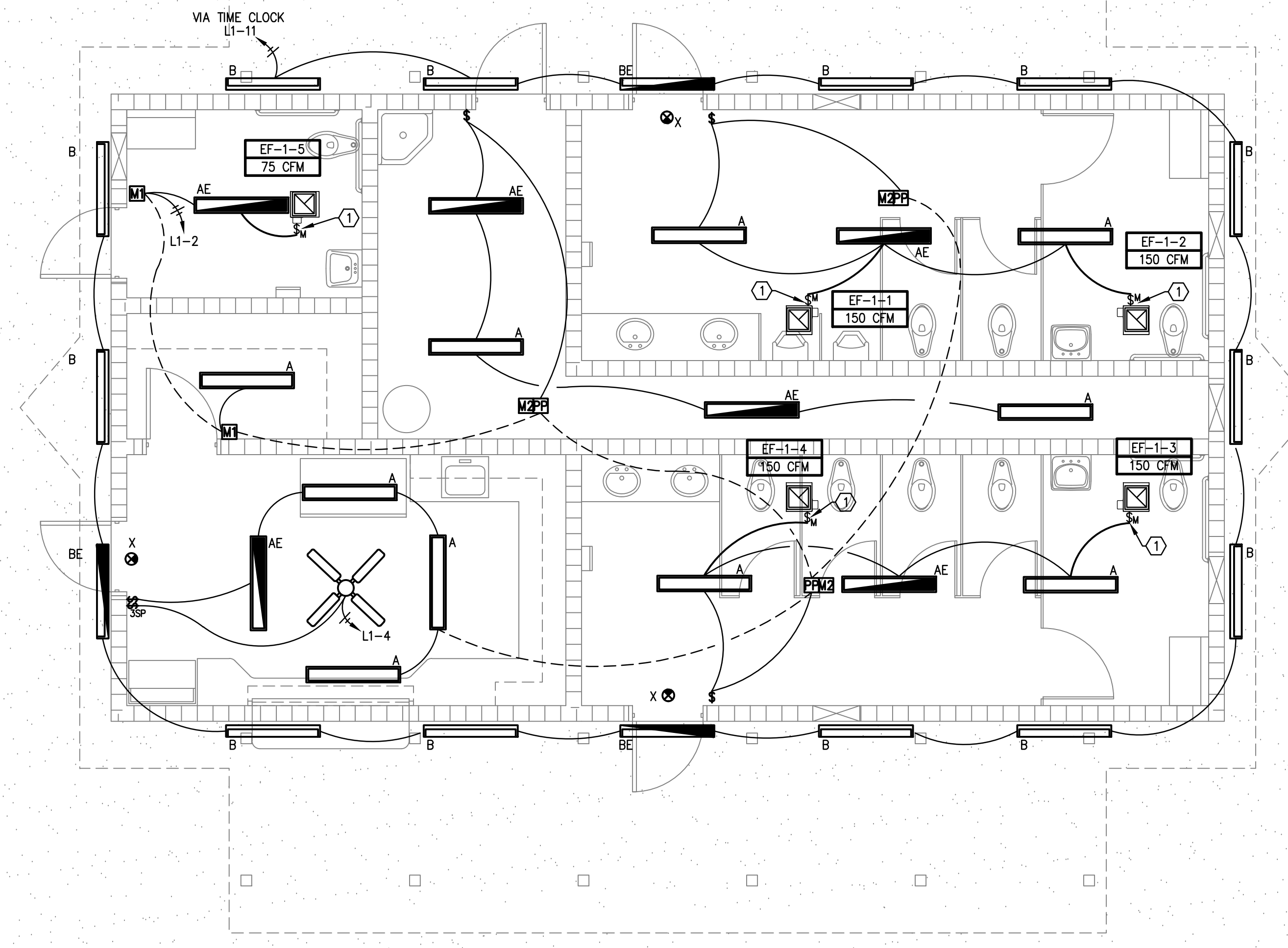
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COMMENT RESPONSE	21 NOV 19



**1 BLDG. 1 - LIGHTING PLAN**  
 E-03 1/4" = 1'-0"

**GENERAL LIGHTING NOTES**

- PULL UNSWITCHED HOT CONDUCTOR FROM LOCAL LIGHTING CIRCUIT TO EMERGENCY EGRESS LIGHTS. RUN 3 #12 - 1 #12 GND - 3/4" C TO INCLUDE UNSWITCHED CONDUCTOR.
- PULL UNSWITCHED HOT CONDUCTOR FROM LOCAL LIGHTING CIRCUIT TO EXIT SIGNS. RUN 2 #12 - 1 #12 GND - 3/4" C.
- SWITCHES SHALL BE GANGED WHEN THEY APPEAR ADJACENT TO ONE ANOTHER ON PLANS WHEREVER PRACTICABLE. PROVIDE MULTI-GANG JUNCTION BOX AND COVER PLATE AS REQUIRED.
- DASHED ARCS INDICATE CONTINUATION OF BRANCH CIRCUIT BUT NOT SWITCH CONTROL.
- CONTRACTOR SHALL INCLUDE COMMISSIONING OF LIGHTING CONTROL SYSTEM BY MANUFACTURER IN BASE BID.
- VERIFY CEILING TYPES BEFORE ORDERING LIGHT FIXTURES.

**LIGHTING PLAN NOTES**

- (1) CONNECT EXHAUST FAN. FURNISH AND INSTALL A 1P/20A/240V MOTOR RATED SWITCH FOR DISCONNECTING MEANS. RUN 2 #12, 1 #12GND - 3/4" C.

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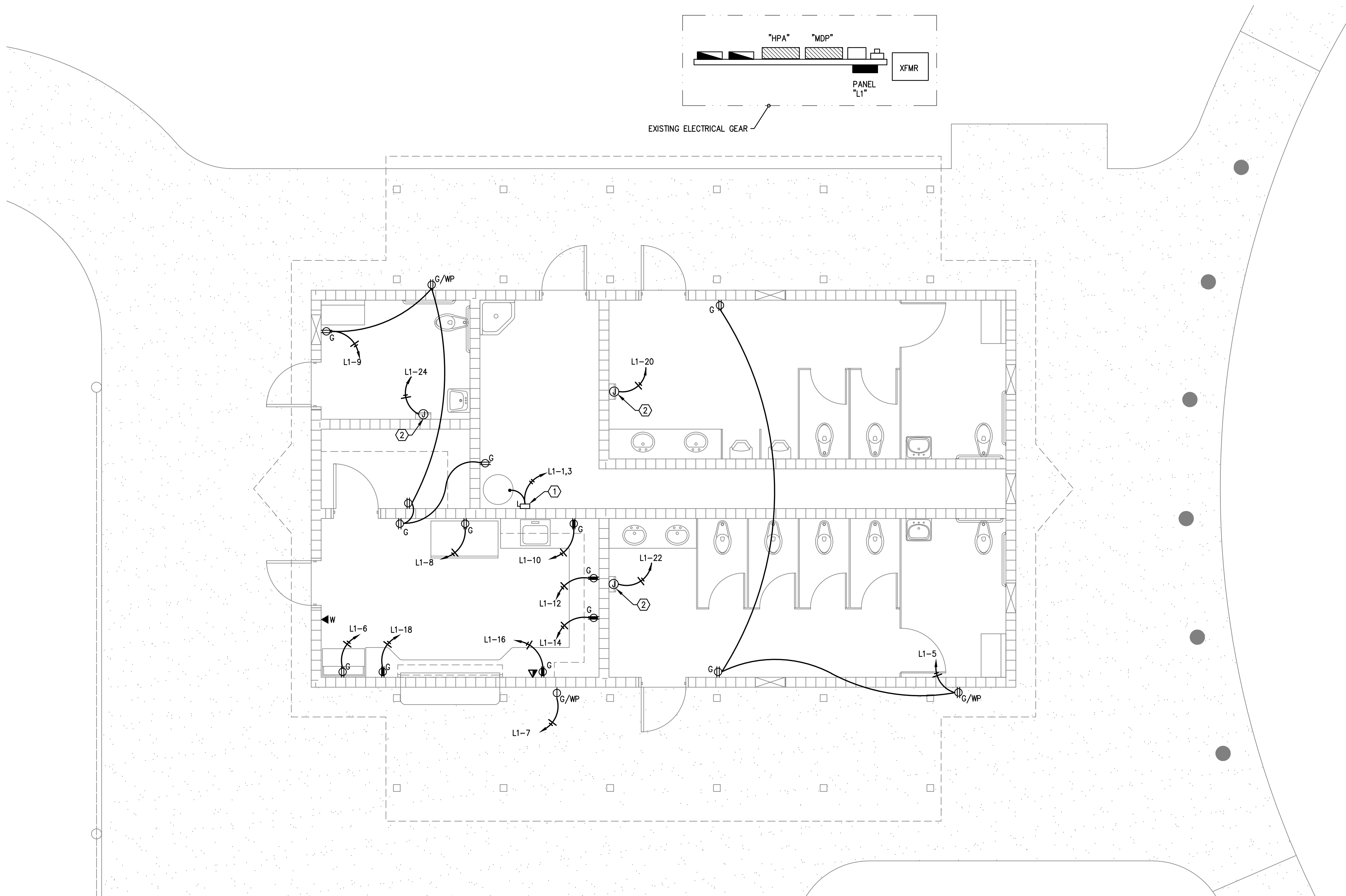
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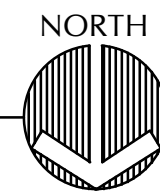
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PENINSULA ENGINEERING, INC. 15747/2019 E-03  
 Last Modified by: JLC 02/04/2019 10:08 AM

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COMMENT RESPONSE	11 NOV 19
COMMENT RESPONSE	21 NOV 19



**1** BLDG. 1 - POWER PLAN  
 E-04 1/4" = 1'-0"



**GENERAL POWER NOTES**

- DIVISION 16 SHALL COORDINATE WITH INTERIOR DESIGN PACKAGE FOR ALL MILLWORK AND WALL DESIGNS PRIOR TO COMMENCING WORK.
- PROVIDE TYPED, UPDATED PANEL SCHEDULES UPON COMPLETION OF WORK.
- INDICATED CIRCUIT NUMBERS ARE SUGGESTED FROM EXISTING SPARE BREAKERS AND SPACES IN EXISTING PANELS. CONTRACTOR MAY USE DIFFERENT CIRCUIT NUMBERS TO MATCH FIELD CONDITIONS.

**POWER PLAN NOTES**

- CONNECT ELECTRIC WATER HEATER (FLA=21.6A, MOC=30A) FURNISH AND INSTALL A 2P, 30A, 240V, NEMA 1, HEAVY DUTY NON-FUSED DISCONNECT SWITCH. RUN 2 #10, 1 #10GND 3/4".
- CONNECT ELECTRIC HAND DRYER.

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PANELBOARD SCHEDULE HPA										NEW <input type="checkbox"/> BOLT-ON <input type="checkbox"/> NORMAL <input checked="" type="checkbox"/> SINGLE PANEL <input type="checkbox"/>									
277/480 VOLTS 3 $\phi$ 4 WIRE 18 kAIC 400 AMPS										EXISTING <input type="checkbox"/> PLUG-IN <input type="checkbox"/> EMERGENCY <input type="checkbox"/> DOUBLE PANEL <input type="checkbox"/>									
TYPE: SQ-D LOCATION: MULTI-PURPOSE FIELDS NEMA 3R										INDOOR <input type="checkbox"/> M.C.B. <input type="checkbox"/> U.P.S. <input type="checkbox"/> SURFACE <input type="checkbox"/>									
										OUTDOOR <input checked="" type="checkbox"/> M.L.O. <input type="checkbox"/> RECESSED <input type="checkbox"/>									
IDENTIFICATION	LOAD (AMPS)			C.B. AMP	C.B. POLE	CKT. NO.	C.B. AMP	LOAD (AMPS)			IDENTIFICATION								
	A $\phi$	B $\phi$	C $\phi$					A $\phi$	B $\phi$	C $\phi$									
TRANSFORMER 'LPA'	30			70	3	1	2	3	110	91		IRRIGATION PUMP							
-----		30				1	3	4			91	-----							
-----			30			5	6					-----							
SPACE						1	7	8	1	20		SPARE							
SPACE						1	9	10	1	20		SPARE							
SPACE						1	11	12	1	20		SPARE							
SPACE						1	13	14	1	20	7	PARKING LOT LIGHTS							
SPACE						1	15	16	1	20	5	PARKING LOT LIGHTS							
SPACE						1	17	18	1	20	7	WALKWAY LIGHTS							
SPACE						1	19	20	1	20	3	WALKWAY LIGHTS							
SPACE						1	21	22	1	20	5	WALKWAY LIGHTS							
SPACE						1	23	24	1	20	5	PARKING LOT LIGHTS							
S.P.D.						3	25	26	1	20	5	SIDEWALK LIGHT POLES							
-----						27	28	1	20	5	SIDEWALK LIGHT POLES								
-----						29	30	1	20	5	SIDEWALK LIGHT POLES								
SUBTOTAL AMPS				30	30	30				106	106	108	SUBTOTAL AMPS						
TOTAL AMPS "A" PHASE: 136					MAXIMUM CONNECTION PHASE AMPS: 138														
TOTAL AMPS "B" PHASE: 136					TOTAL CONNECTED KVA: 115														
TOTAL AMPS "C" PHASE: 138																			

NOTES:  
1. NO SERIES RATING FAULT CURRENT ALLOWED.

PANELBOARD SCHEDULE L1										NEW <input type="checkbox"/> BOLT-ON <input type="checkbox"/> NORMAL <input checked="" type="checkbox"/> SINGLE PANEL <input type="checkbox"/>									
120/208 VOLTS 3 $\phi$ 4 WIRE 10 kAIC 150 AMPS										EXISTING <input type="checkbox"/> PLUG-IN <input type="checkbox"/> EMERGENCY <input type="checkbox"/> DOUBLE PANEL <input type="checkbox"/>									
TYPE: SQ D LOCATION: -----										INDOOR <input type="checkbox"/> M.C.B. <input type="checkbox"/> U.P.S. <input type="checkbox"/> SURFACE <input type="checkbox"/>									
										OUTDOOR <input type="checkbox"/> M.L.O. <input type="checkbox"/> RECESSED <input type="checkbox"/>									
IDENTIFICATION	LOAD (AMPS)			C.B. AMP	C.B. POLE	CKT. NO.	C.B. AMP	LOAD (AMPS)			IDENTIFICATION								
	A $\phi$	B $\phi$	C $\phi$					A $\phi$	B $\phi$	C $\phi$									
EWI	22			30	2	1	2	1	20	9		LIGHTS							
---		22				3	4	1	20	6		CEILING FAN							
CONVENIENCE RECEPTACLE			5			5	6	1	20		8	ICE MAKER							
EWI	6			20	1	7	8	1	20	6		REFRIGERATOR							
CONV./RESTROOM RECEPTACLE			8			9	10	1	20		5	COUNTER RECEPTACLE							
EXTERIOR LIGHTS			8			11	12	1	20		5	COUNTER RECEPTACLE							
SPARE				20	1	13	14	1	20	5		COUNTER RECEPTACLE							
SPARE				20	1	15	16	1	20	5		COUNTER RECEPTACLE							
SPARE				20	1	17	18	1	20	5		COUNTER RECEPTACLE							
SPARE				20	1	19	20	1	20	6		HAND DRYER							
SPARE				20	1	21	22	1	20	6		HAND DRYER							
SPARE				20	1	23	24	1	20	6		HAND DRYER							
SPARE				20	1	25	26	1	20			SPARE							
SPARE				20	1	27	28	1	20			SPARE							
SPARE				20	1	29	30	1	20			SPARE							
SPARE				20	1	31	32	1	20			SPARE							
SPACE				20	1	33	34	1	20			SPACE							
SPACE				20	1	35	36	1	20			SPACE							
S.P.D.				30	3	37	38	1	20			SPACE							
-----				39	40	1	41	1	20			SPACE							
-----				41	42	1	42	1	20			SPACE							
SUBTOTAL AMPS				28	30	5				26	22	24	SUBTOTAL AMPS						
TOTAL AMPS "A" PHASE: 54					MAXIMUM CONNECTION PHASE AMPS: 54														
TOTAL AMPS "B" PHASE: 52					TOTAL CONNECTED KVA: 19														
TOTAL AMPS "C" PHASE: 29																			

NOTES:  
1. NO SERIES RATING FAULT CURRENT ALLOWED.

LIGHTING FIXTURE SCHEDULE							
FIXT TYPE	DESCRIPTION	LIGHT FIXTURE		LAMPS		NOTES	
		MANUFACTURER/CATALOG NUMBER	MOUNTING	VOLTS	TYPE		WATTS
A	4" VANDAL-RESISTANT STRIP	FAIL-SAFE FV54W-P-4-LD4-1-STD-40-UNV-P125-EDC1-WL	SURFACE	120	LED	34	-
AE	4" VANDAL-RESISTANT STRIP WITH EMERGENCY BATTERY	FAIL-SAFE FV54W-P-4-LD4-1-STD-40-UNV-P125-EDC1-WL-EL14W	SURFACE	120	LED	34	-
C	4" LED WRAP-AROUND	METALUX 4WNLLED-LD4-40SL-F-UNV-L840-CD1-U	SURFACE	120	LED	36	-
CE	4" LED WRAP-AROUND WITH EMERGENCY BATTERY	METALUX 4WNLLED-LD4-40SL-F-UNV-EL14W-L840-CD1-U	SURFACE	120	LED	36	-
D	6" LED DOWNLIGHT	HALO COMM PD610D010B PDM6B840 61VC	RECESSED	120	LED	10	-
X	EXIT SIGN	ALL PRO EM APX7R	-	120	LED	-	-
-	-	-	-	-	-	-	-
SLA	POLE-MOUNTED FIXTURE	LUMOUTDOOR PRV-A60-D-UNV-T5-SA-BZ	POLE	277	LED	163	-
SLB	POLE-MOUNTED FIXTURE	LUMOUTDOOR PRV-A60-D-UNV-T4-SA-BZ	POLE	277	LED	163	-
POLE	SEMINOLE POLE	SP3025TII	-	-	-	-	-

ISSUANCE	DD MM YY
RFI 003	01 OCT 19
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COMMENT RESPONSE	21 NOV 19

PROJECT NUMBER	A150590.01
DATE:	02/04/2019
SCALE:	
DRAWN BY:	00
CHECKED BY:	00

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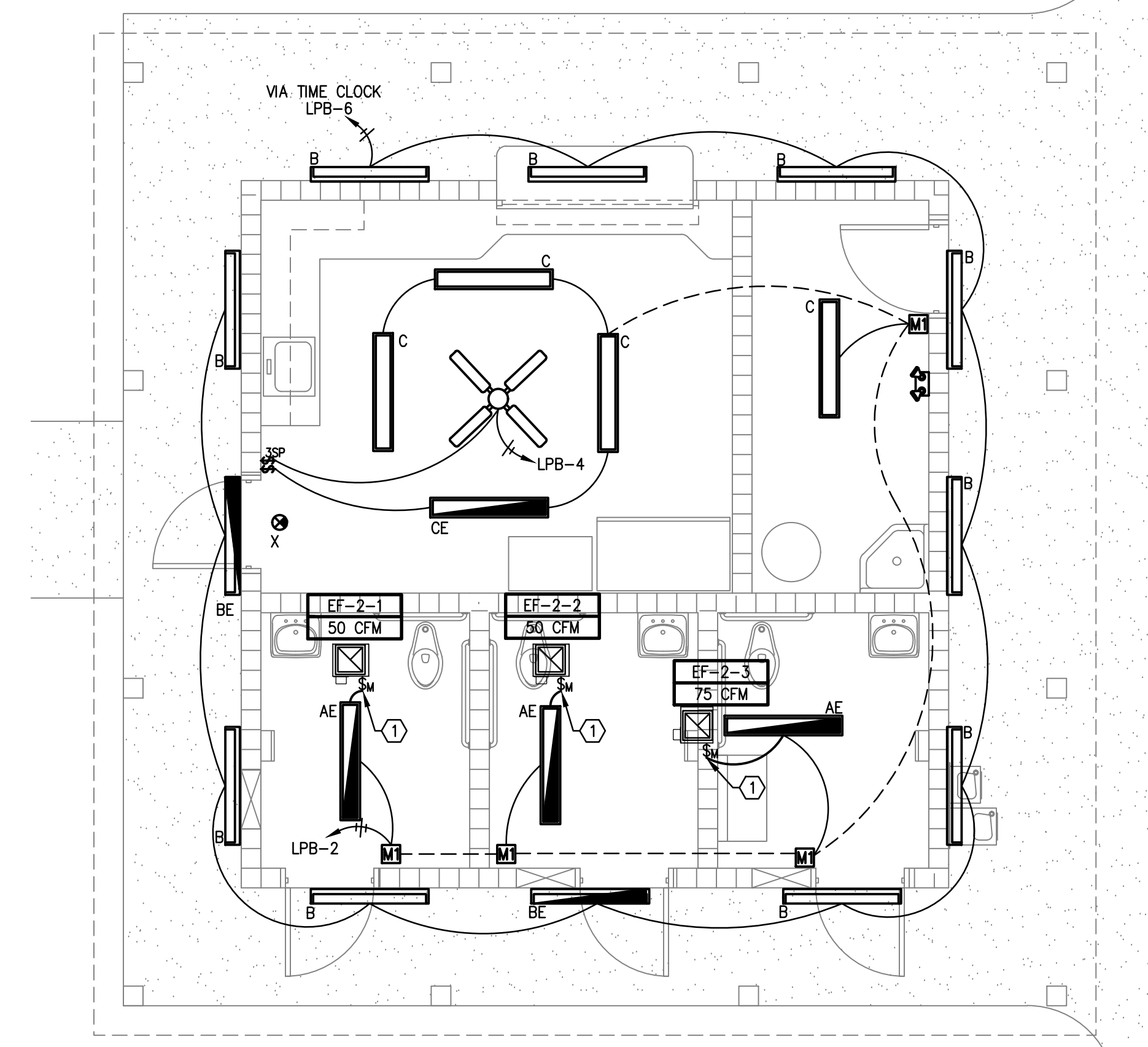
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ISSUANCE	DD MM YY
RFI 003	01 OCT 19
COMMENT RESPONSE	11 NOV 19
COMMENT RESPONSE	21 NOV 19
LIFT STATION	10-04-19



**1 BLDG. 2 - LIGHTING PLAN**  
 E-06 1/4" = 1'-0" NORTH

**GENERAL LIGHTING NOTES**

- PULL UNSWITCHED HOT CONDUCTOR FROM LOCAL LIGHTING CIRCUIT TO EMERGENCY EGRESS LIGHTS AND EXIT SIGNS. RUN 3#12 1#12 GND - 3/4" C. TO INCLUDE UNSWITCHED CONDUCTOR.
- THE EMERGENCY EGRESS LIGHTING SYSTEM SHALL BE IN FULL COMPLIANCE WITH NFPA 101 ARTICLE 7.9.2.2.
- SWITCHES SHALL BE GANGED WHEN THEY APPEAR ADJACENT TO ONE ANOTHER ON PLANS WHEREVER PRACTICABLE. PROVIDE MULTI-GANG JUNCTION BOX AND COVER PLATE AS REQUIRED.
- DASHED ARCS INDICATE CONTINUATION OF BRANCH CIRCUIT BUT NOT SWITCH CONTROL.
- ELECTRICAL CONTRACTOR SHALL PROVIDE A LUMINAIRE DISCONNECT CONNECTOR FOR ALL FLUORESCENT FIXTURES, AS REQUIRED BY N.E.C. 410.73(C) 2005. UL LISTED CONNECTORS ARE MANUFACTURED BY IDEAL, THOMAS AND BETTS AND WAGO, ANY UL LISTED CONNECTOR WILL BE ACCEPTABLE. INSTALL PER MANUFACTURERS SPECIFICATIONS.

**LIGHTING PLAN NOTES**

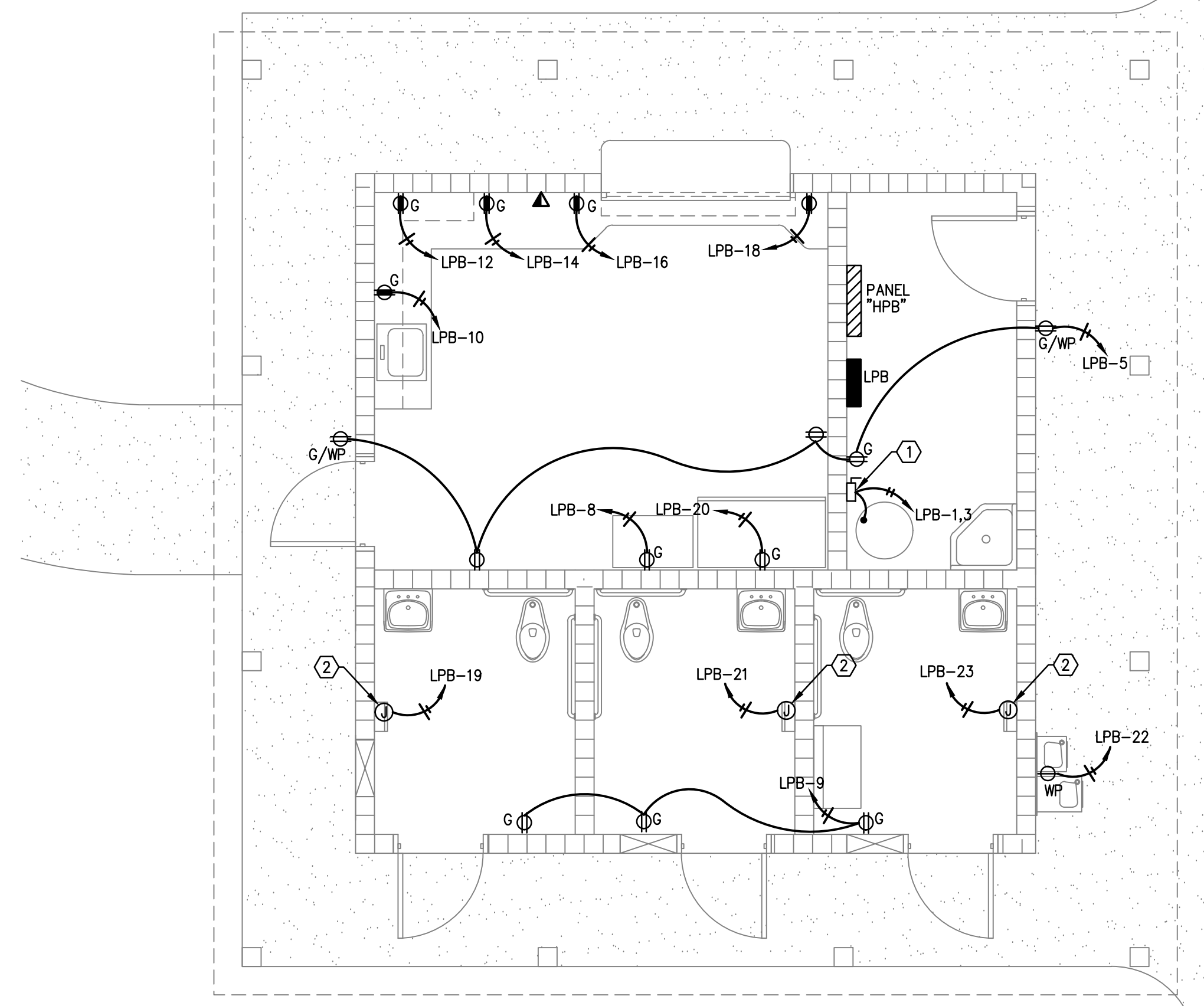
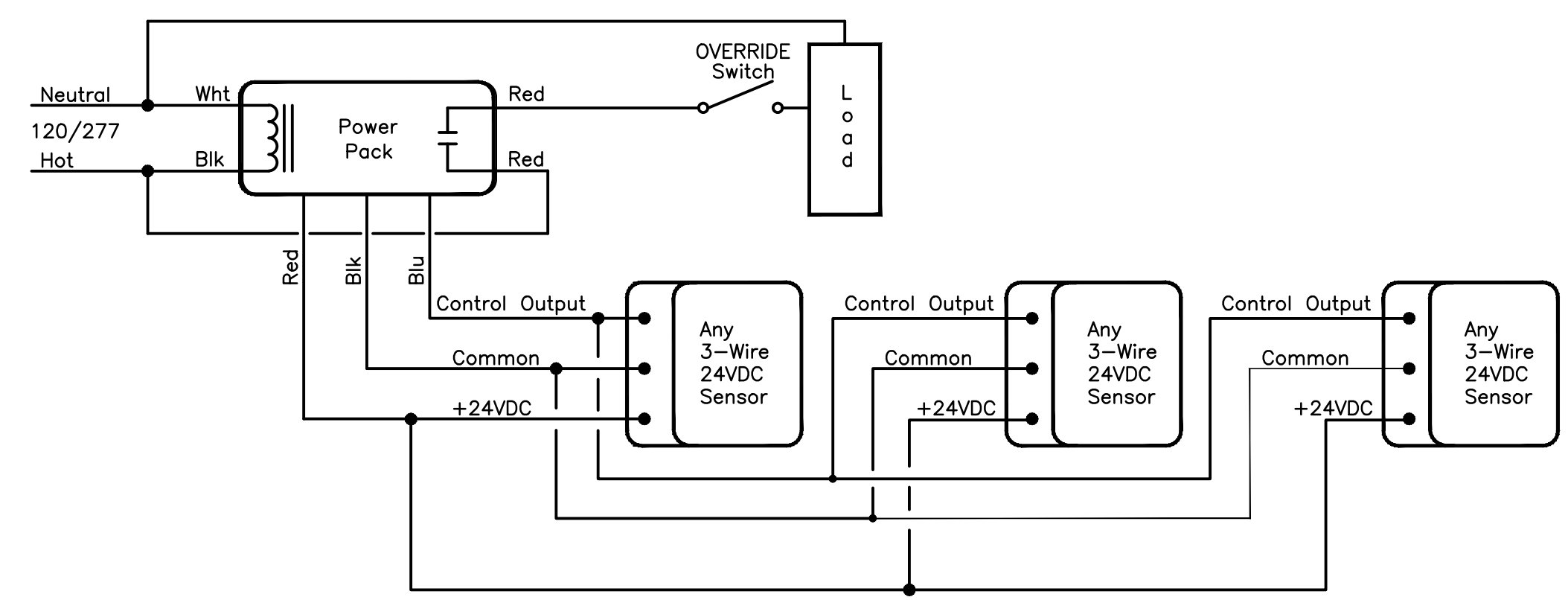
- CONNECT EXHAUST FAN. FURNISH AND INSTALL A 1P/20A/240V MOTOR RATED SWITCH FOR DISCONNECTING MEANS. RUN 2 #12, 1 #12GND - 3/4" C.

**OCCUPANCY SENSOR LEGEND**

- M1 AUTOMATIC WALL SWITCH WITH BUILT IN LIGHT LEVEL SENSORS SIMILAR TO WATTSTOPPER W-200 MODEL.
- M2 360° PASSIVE INFRARED, LINE VOLTAGE, CEILING MOUNTED SENSOR WITH USER ADJUSTABLE SENSITIVITY AND HIGH DENSITY LENS SIMILAR TO WATTSTOPPER CI-355 MODEL.
- PP POWER PACK, WATT STOPPER CAT. NO. BZ-150.

**OCCUPANCY SENSOR NOTES**

- NOTES:
- VERIFY ALL COMPONENTS REQUIRED FOR A COMPLETE WORKING SYSTEM.
  - VERIFY AND PROVIDE ALL REQUIRED POWER PACKS.
  - VERIFY ALL TIME DELAYS. SET FOR NO LESS THAN A 15 MINUTE OR NO MORE THAN A 30 MINUTE DELAY.
  - VERIFY ALL MOUNTING AND COVERAGES WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.



**2 BLDG. 2 - POWER PLAN**  
 E-06 1/4" = 1'-0" NORTH

**GENERAL POWER NOTES**

- DIVISION 16 SHALL COORDINATE WITH INTERIOR DESIGN PACKAGE FOR ALL MILLWORK AND WALL DESIGNS PRIOR TO COMMENCING WORK.
- PROVIDE TYPED, UPDATED PANEL SCHEDULES UPON COMPLETION OF WORK.

**POWER PLAN NOTES**

- CONNECT ELECTRIC WATER HEATER (FLA=21.6A, MOC=30A) FURNISH AND INSTALL A 2P, 30A, 240V, NEMA 1, HEAVY DUTY NON-FUSED DISCONNECT SWITCH. RUN 2 #10, 1 #10GND 3/4" C.
- CONNECT ELECTRIC HAND DRYER.
- PROPOSED LOCATION OF NEW UTILITY TRANSFORMER, SERVICE ENTRANCE DISCONNECT SWITCHES AND METER.
- BUILDING 2 ELECTRICAL SERVICE.
- LIFT STATION ELECTRICAL SERVICE.

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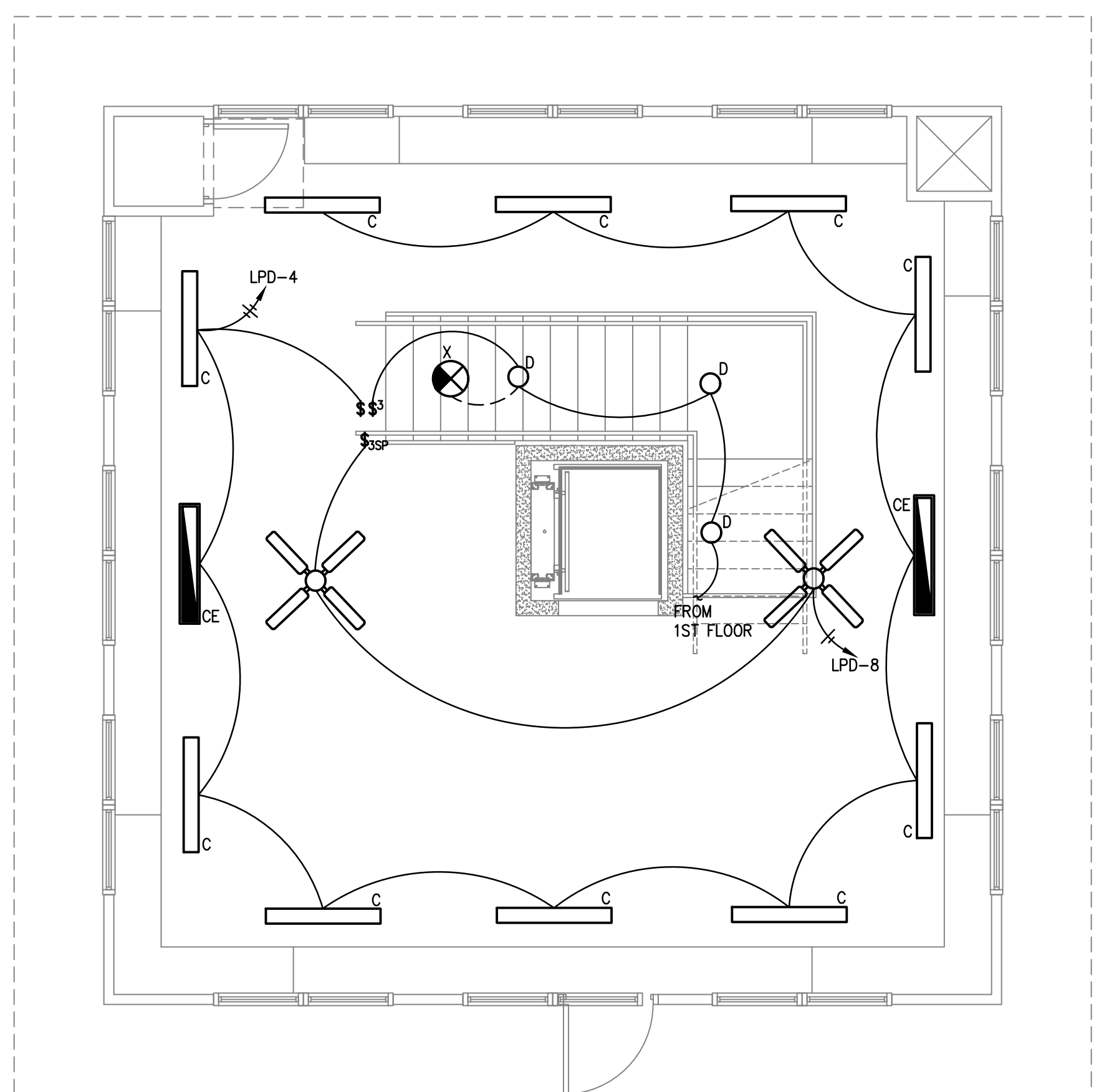
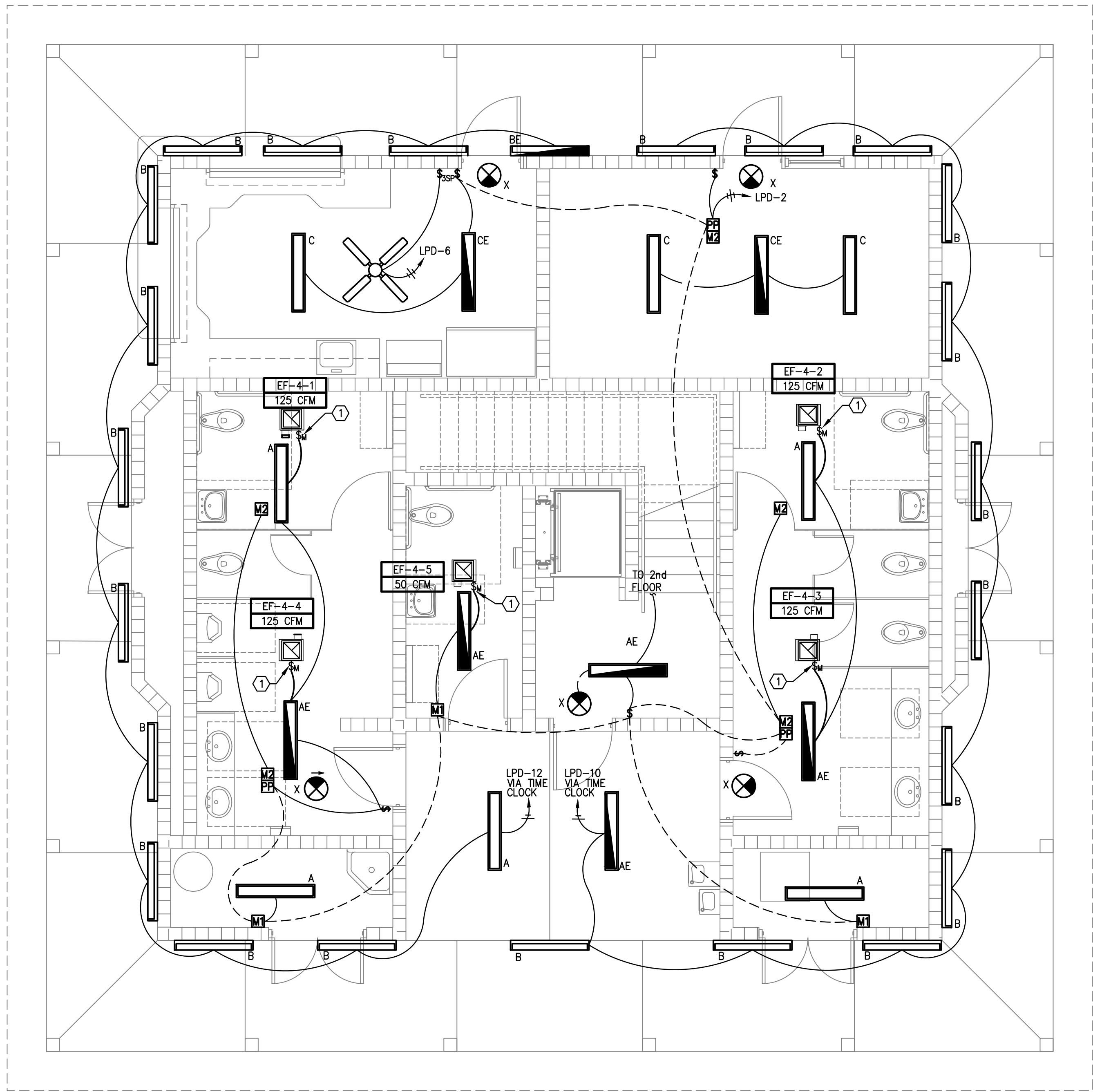
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1 BLDG. 4 - LIGHTING PLAN  
E-08 1/4" = 1'-0" NORTH

**GENERAL LIGHTING NOTES**

- PULL UNSWITCHED HOT CONDUCTOR FROM LOCAL LIGHTING CIRCUIT TO EMERGENCY EGRESS LIGHTS. RUN 3 #12 - 1 #12 GND - 3/4"C TO INCLUDE UNSWITCHED CONDUCTOR.
- PULL UNSWITCHED HOT CONDUCTOR FROM LOCAL LIGHTING CIRCUIT TO EXIT SIGNS. RUN 2 #12 - 1 #12 GND - 3/4"C.
- SWITCHES SHALL BE CANGED WHEN THEY APPEAR ADJACENT TO ONE ANOTHER ON PLANS WHEREVER PRACTICABLE. PROVIDE MULTI-GANG JUNCTION BOX AND COVER PLATE AS REQUIRED.
- DASHED ARCS INDICATE CONTINUATION OF BRANCH CIRCUIT BUT NOT SWITCH CONTROL.
- CONTRACTOR SHALL INCLUDE COMMISSIONING OF LIGHTING CONTROL SYSTEM BY MANUFACTURER IN BASE BID.
- VERIFY CEILING TYPES BEFORE ORDERING LIGHT FIXTURES.

**LIGHTING PLAN NOTES**

- CONNECT EXHAUST FAN, FURNISH AND INSTALL A 1P/20A/240V MOTOR RATED SWITCH FOR DISCONNECTING MEANS. RUN 2 #12, 1 #12GND - 3/4"C.

ISSUED FOR:

ISSUANCE	DD MM YY
RFI 003	01 OCT 19
COMMENT RESPONSE	11 NOV 19
COMMENT RESPONSE	21 NOV 19

PROJECT NUMBER	A150590.01
DATE:	02/04/2019
SCALE:	
DRAWN BY:	00
CHECKED BY:	00

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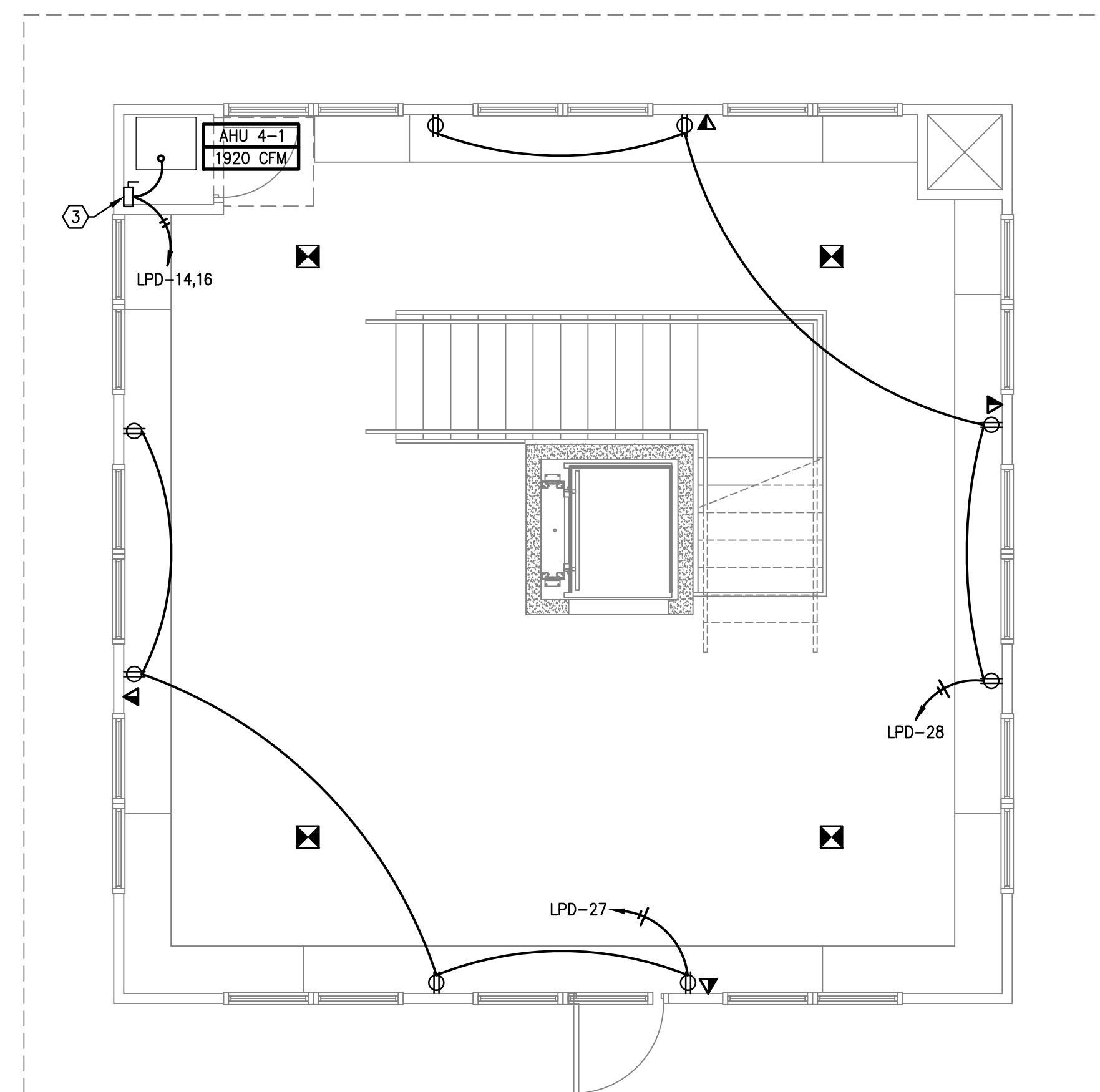
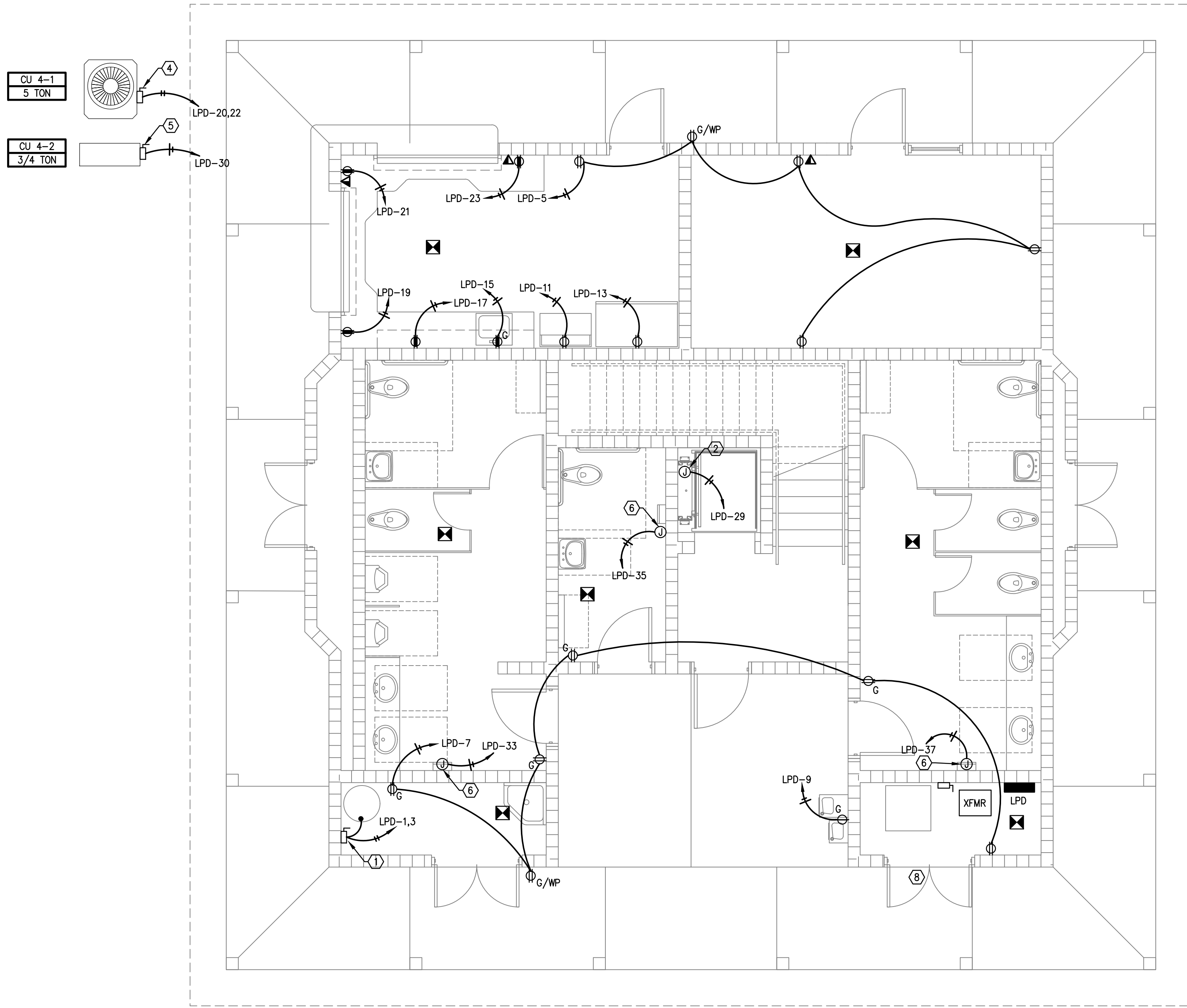
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ISSUANCE	DD MM YY
RFI 003	01 OCT 19
COMMENT RESPONSE	11 NOV 19
COMMENT RESPONSE	21 NOV 19



**1 BLDG. 4 - POWER PLAN**  
 E-9 1/4" = 1'-0" NORTH

**GENERAL POWER NOTES**

- DIVISION 16 SHALL COORDINATE WITH INTERIOR DESIGN PACKAGE FOR ALL MILLWORK AND WALL DESIGNS PRIOR TO COMMENCING WORK.
- PROVIDE TYPED, UPDATED PANEL SCHEDULES UPON COMPLETION OF WORK.

**POWER PLAN NOTES**

- CONNECT ELECTRIC WATER HEATER (FLA=21.6A, MOCF=30A) FURNISH AND INSTALL A 2P, 30A, 240V, NEMA 1, HEAVY DUTY NON-FUSED DISCONNECT SWITCH. RUN 2 #10, 1 #10GND 3/4" C.
- CONNECT HARD-WIRED LIFT. PROVIDE DEDICATED 20AMP, 120V CIRCUIT. COORDINATE EXACT LOCATION AND CONNECTION REQUIREMENTS WITH EQUIPMENT SUPPLIED BY OTHERS.
- CONNECT AHU. PROVIDE 60A, 2P, 240V, N-1, FUSED DISCONNECT SWITCH. FUSE PER MANUFACTURER'S SPECIFICATIONS. COORDINATE WITH DIVISION 15. RUN 2#6, 1#10 GND - 1" C.
- CONNECT CU. PROVIDE 60A, 2P, 240V, N-3R, FUSED DISCONNECT SWITCH. FUSE PER MANUFACTURER'S SPECIFICATIONS. COORDINATE WITH DIVISION 15. RUN 2#6, 1#10 GND - 1" C.
- CONNECT CU/AHU (SINGLE-POINT POWER). PROVIDE 30A, 1P, 120V, N-1, FUSED DISCONNECT SWITCH. FUSE PER MANUFACTURER'S SPECIFICATIONS. COORDINATE WITH DIVISION 15. RUN 2#12, 1#12 GND - 3/4" C.
- CONNECT ELECTRIC HAND DRYER.
- SMOKE DETECTOR. INTERLOCK ALL SMOKE DETECTORS IN THIS BUILDING.
- PROVIDE PERMANENT SIGNAGE ON DOOR (PHENOLIC PLATE) STATING "MAIN DISCONNECT INSIDE".

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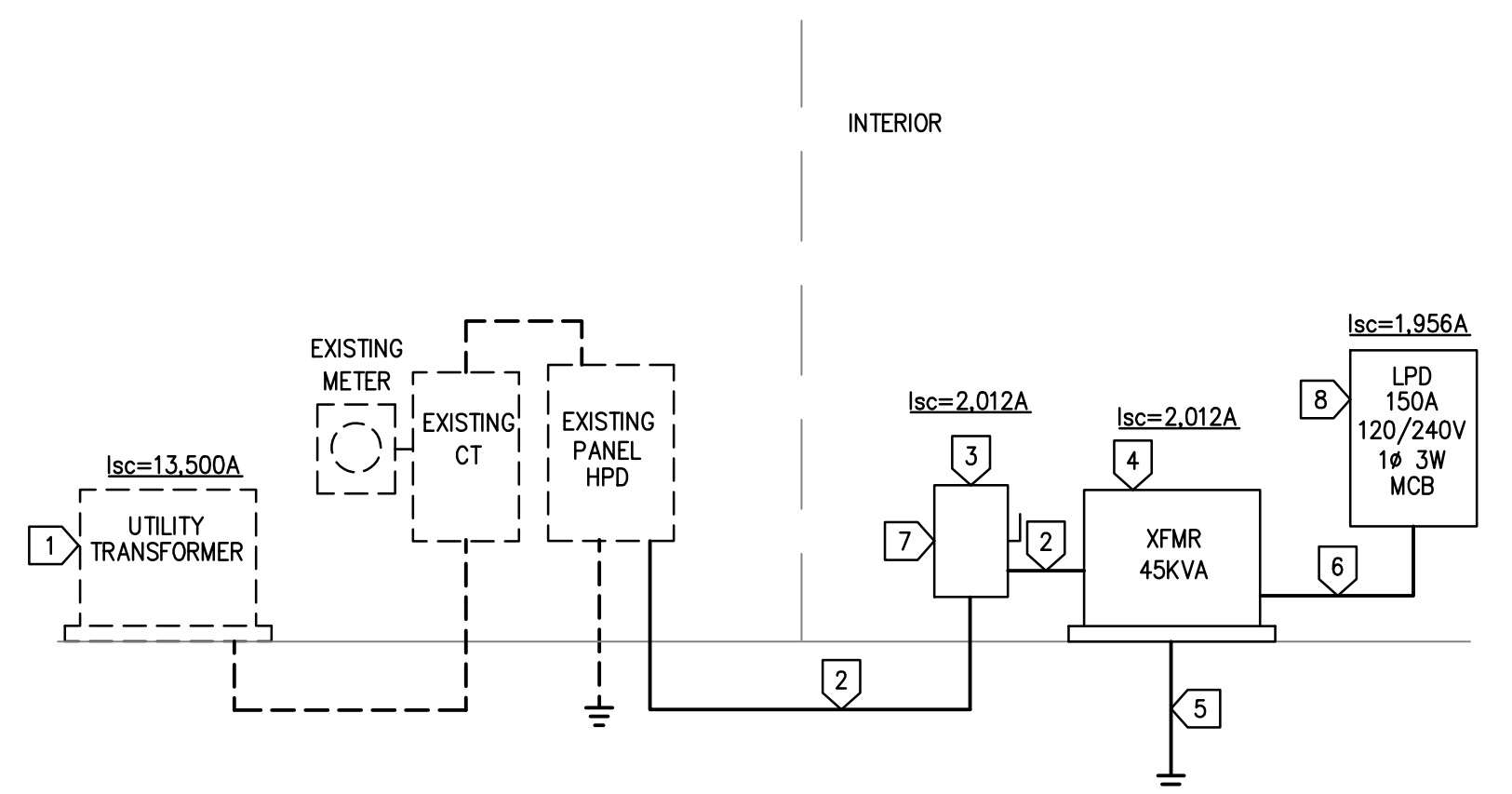
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COMMENT RESPONSE	11 NOV 19
COMMENT RESPONSE	21 NOV 19



**POWER RISER DIAGRAM**  
NO SCALE

**POWER RISER DIAGRAM NOTES**

- EXISTING UTILITY TRANSFORMER.
- RUN 2#2/0, 1#1 GND - 2" C. VOLTAGE DROP = 2.0%.
- PROVIDE NEW 200A, 2P, 240V, N-1, NON-FUSED DISCONNECT SWITCH.
- FURNISH AND INSTALL A 45 KVA, 1Ø TRANSFORMER, 480V TO 120/240V.
- PROVIDE A #4 COPPER GROUND 3/4" C. GROUND PER NEC 250.
- 3#3/0, 1#Ø GND - 2" C.
- PROVIDE PHENOLIC PLATE WITH INSCRIPTION: "MAXIMUM AVAILABLE FAULT CURRENT: 2,012A. CALCULATED 3-19-19."
- PROVIDE PHENOLIC PLATE WITH INSCRIPTION: "MAXIMUM AVAILABLE FAULT CURRENT: 1,956A. CALCULATED 3-19-19."

**GENERAL POWER RISER NOTES:**

- ALL PANEL BOARDS, DISCONNECTS, AND TRANSFORMERS SHALL BE INSTALLED IN COMPLIANCE WITH NEC 110-26.
- ALL CONDUCTORS SHALL BE CU TYPE THWN-2 INSULATED.
- ALL PANELBOARDS THAT EXCEED 3% CONTRIBUTED MOTOR LOADS SHALL BE FULLY RATED.
- CONDUCTORS OF ALL PARALLEL FEEDERS SHALL BE OF EQUAL LENGTH TO WITHIN 1% OF EACH OTHER.
- FIELD VERIFY THAT THERE IS NO DUCT-WORK OR PLUMBING LOCATED ABOVE ANY PROPOSED NEW PANEL LOCATIONS.
- LOCATE NEW TRANSFORMERS TO COMPLY WITH 10'-0" TAP RULE FOR SECONDARY OVERCURRENT PROTECTION. IF CONDITIONS SATISFYING THE 10'-0" TAP RULE CANNOT BE ACHIEVED, PROVIDE FUSED DISCONNECT SWITCH OR ENCLOSED CIRCUIT BREAKER OF APPROPRIATE SIZE.
- ELECTRICAL CONTRACTOR SHALL REVIEW ONE LINE POWER RISER DIAGRAM IN CONJUNCTION WITH SWITCHGEAR MANUFACTURER REPRESENTATIVE TO CROSS REFERENCE POWER RISER WITH PANEL SCHEDULES AND VERIFY VOLTAGES, AMPS, LUGS SIZES/NUMBER AND CABINETS DIMENSIONS PRIOR TO SUBMITTING BID.
- ELECTRICAL CONTRACTOR SHALL PROVIDE INSULATED LUG REDUCERS OR MODULAR POWER DISTRIBUTION BLOCKS WHEN INDICATED CONDUCTORS DO NOT MATCH SWITCHGEAR LUGS. PROVIDE ADDITIONAL CABINETS TO ENCLOSE LUGS/BLOCKS IF NECESSARY.
- ELECTRICAL CONTRACTOR SHALL NOT ESTIMATE OR PURCHASE CONDUCTORS BASED ON FEEDERS OR BRANCH CIRCUIT LENGTH POSTED ON VOLTAGE DROP SCHEDULE.
- PROVIDE STICKER LABEL ON ALL NEW ELECTRICAL EQUIPMENT AND PANELS WITH LEGEND: "WARNING. ARC FLASH AND SHOCK HAZARD. APPROPRIATE PERSONAL PROTECTION EQUIPMENT REQUIRED".
- USE FIELD-PAINTED FLOOR MARKINGS, FLOOR MARKING TAPE, OR WARNING LABELS TO IDENTIFY REQUIRED EQUIPMENT WORKING CLEARANCES IN ELECTRICAL ROOMS AND WAREHOUSE AREAS.
- ROUTE UNPROTECTED SERVICE CONDUCTORS OUTSIDE THE BUILDING TO COMPLY WITH NEC ARTICLE 230.6.

PANELBOARD SCHEDULE HPD														
NEW <input type="checkbox"/> BOLT-ON <input type="checkbox"/> NORMAL <input type="checkbox"/> SINGLE PANEL <input type="checkbox"/> EXISTING <input type="checkbox"/> PLUG-IN <input type="checkbox"/> STAND-BY <input type="checkbox"/> DOUBLE PANEL <input type="checkbox"/>														
277/480 VOLTS 3 Ø 4 WRE --- KAIC 800 AMPS 800 MCB INDOOR <input type="checkbox"/> M.C.B. <input type="checkbox"/> EMERGENCY <input type="checkbox"/> SURFACE <input type="checkbox"/>														
TYPE: SQ-D LOCATION: OUTSIDE RACK NEMA 3R OUTDOOR <input type="checkbox"/> M.L.O. <input type="checkbox"/> U.P.S. <input type="checkbox"/> RECESSED <input type="checkbox"/>														
NOTES	IDENTIFICATION	LOAD (AMPS)			C.B. AMP	LUG	P.O.L.E.	C.K.T. NO.	C.K.T. NO.	LUG	C.B. AMP	LOAD (AMPS)	IDENTIFICATION	NOTES
		AØ	BØ	CØ										
	LIGHT POLES	24			30	3	1	2	3	30	24		LIGHT POLES	
			24					3	4			24		
				24				5	6			24		
	LIGHT POLES	24			30	3	7	8	3	30	24		LIGHT POLES	
			24					9	10			24		
				24				11	12			24		
	LIGHT POLES	24			30	3	13	14	3	30	24		LIGHT POLES	
			24					15	16			24		
				24				17	18			24		
	LIGHT POLES	24			30	3	19	20	3	30	24		LIGHT POLES	
			24					21	22			24		
				24				23	24			24		
	LIGHT POLES	24			30	3	25	26	3	30	24		LIGHT POLES	
			24					27	28			24		
				24				29	30			24		
	LIGHT POLES	24			30	3	31	32	3	30	24		LIGHT POLES	
			24					33	34			24		
				24				35	36			24		
	CONTROLS	3			20	1	37	38	3	30	24		LIGHT POLES	
	TRANSFORMER LPD		73		100	2	39	40				24		
				73				41	42			24		
	LIGHT POLES	24			30	3	43	44	3	30	24		LIGHT POLES	
			24					45	46			24		
				24				47	48			24		
	SUBTOTAL AMPS	171	241	241				192	192	192			SUBTOTAL AMPS	
	TOTAL AMPS "A" PHASE:	363			MAXIMUM CONNECTED PHASE AMPS:			433						
	TOTAL AMPS "B" PHASE:	433			TOTAL CONNECTED KVA:			360						
	TOTAL AMPS "C" PHASE:	433			TOTAL DEMAND KVA/AMPS:			630/433						

NOTES:  
SCREENED LOADS ARE EXISTING TO REMAIN. BOLD LOADS ARE NEW.  
\* PROVIDE NEW CIRCUIT BREAKER.

PANELBOARD SCHEDULE LPD														
NEW <input type="checkbox"/> BOLT-ON <input type="checkbox"/> NORMAL <input type="checkbox"/> SINGLE PANEL <input type="checkbox"/> EXISTING <input type="checkbox"/> PLUG-IN <input type="checkbox"/> STAND-BY <input type="checkbox"/> DOUBLE PANEL <input type="checkbox"/>														
120/240 VOLTS 1 Ø 3 WIRE 10 KAIC 200 AMPS 200 MCB INDOOR <input type="checkbox"/> M.C.B. <input type="checkbox"/> EMERGENCY <input type="checkbox"/> SURFACE <input type="checkbox"/>														
TYPE: SQ-D LOCATION: BLDG 4 NEMA 1 OUTDOOR <input type="checkbox"/> M.L.O. <input type="checkbox"/> U.P.S. <input type="checkbox"/> RECESSED <input type="checkbox"/>														
NOTES	IDENTIFICATION	LOAD (AMPS)			C.B. AMP	LUG	P.O.L.E.	C.K.T. NO.	C.K.T. NO.	LUG	C.B. AMP	LOAD (AMPS)	IDENTIFICATION	NOTES
		AØ	BØ	CØ										
	EWI	22			30	2	1	2	1	20	7		INTERIOR LIGHTING	
			22					3	4	1	20	7		2nd FLOOR LIGHTS
	CONVENIENCE RECEPTACLE	8			20	1	5	6	1	20	4		CONCESSION CEILING FAN	
	RESTROOM/CONV. RECEPTACLE	9			20	1	7	8	1	20	8		2nd FLOOR CEILING FAN	
	WATER COOLER	5			20	1	9	10	1	20	7		EXTERIOR LIGHTS	
	ICE MAKER	8			20	1	11	12	1	20	7		EXTERIOR LIGHTS	
	REFRIGERATOR	6			20	1	13	14	2	60	45		AHU 4-1	
	COUNTER RECEPTACLE	5			20	1	15	16			45			
	COUNTER RECEPTACLE	5			20	1	17	18	1				SPACE	
	COUNTER RECEPTACLE	5			20	1	19	20	2	60	35		CU 4-1	
	COUNTER RECEPTACLE	5			20	1	21	22			35			
	COUNTER RECEPTACLE	5			20	1	23	24	1				SPACE	
	SPARE				20	1	25	26	1	20			SPACE	
	2nd FLOOR RECEPTACLE	6			20	1	27	28	1	20	6		2nd FLOOR RECEPTACLE	
	RECEPTACLES - BACKSTOPS	8			20	1	29	30	1	20	12		AHU 4-2	
	SPARE				20	1	31	32	1	20			SPACE	
	HAND DRYER	6			20	1	33	34	1	20			SPACE	
	HAND DRYER	6			20	1	35	36	1	20			SPACE	
	HAND DRYER	6			20	1	37	38	1	20			SPACE	
	SPARE				20	1	39	40	1	20			SPACE	
	SPARE				20	1	41	42	1	20			SPACE	
	SUBTOTAL AMPS	71	66								110	108	SUBTOTAL AMPS	
	TOTAL AMPS "A" PHASE:	181			MAXIMUM CONNECTED PHASE AMPS:			181						
	TOTAL AMPS "B" PHASE:	174			TOTAL CONNECTED KVA:			43						
					TOTAL DEMAND KVA/AMPS:			35/146						

NOTES:  
1. NO SERIES RATING FAULT CURRENT ALLOWED.

Gerardo Solar, PE, FL Reg. No. 53259

**PENINSULA ENGINEERING INC.**  
CONSULTING ENGINEERS  
ESTABLISHED IN 1977

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