

GENERAL ELECTRICAL NOTES:

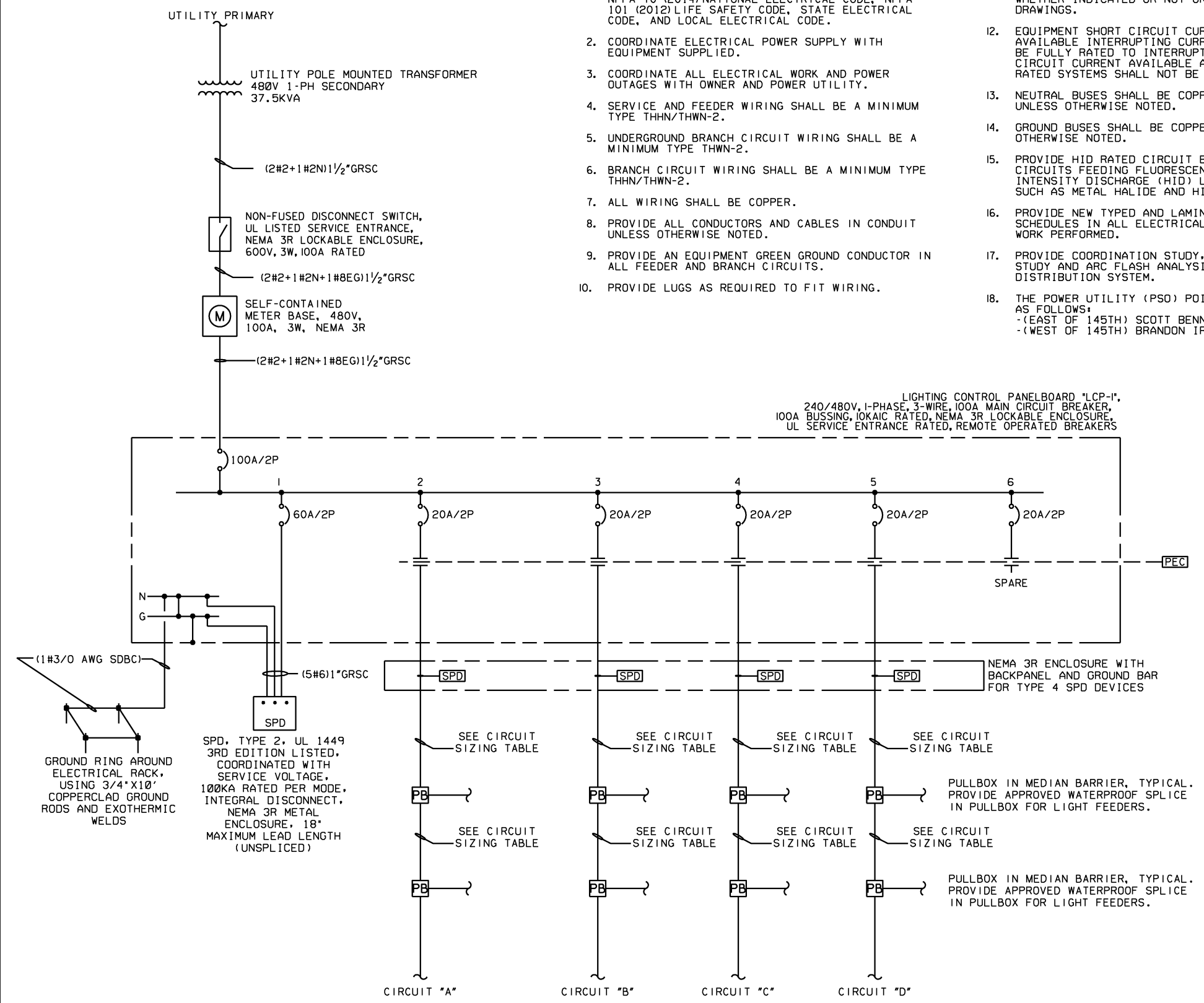
- ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE NFPA 70 (2014) NATIONAL ELECTRICAL CODE, NFPA 101 (2012) LIFE SAFETY CODE, STATE ELECTRICAL CODE, AND LOCAL ELECTRICAL CODE.
- COORDINATE ELECTRICAL POWER SUPPLY WITH EQUIPMENT SUPPLIED.
- COORDINATE ALL ELECTRICAL WORK AND POWER OUTAGES WITH OWNER AND POWER UTILITY.
- SERVICE AND FEEDER WIRING SHALL BE A MINIMUM TYPE THHN/THWN-2.
- UNDERGROUND BRANCH CIRCUIT WIRING SHALL BE A MINIMUM TYPE THWN-2.
- BRANCH CIRCUIT WIRING SHALL BE A MINIMUM TYPE THHN/THWN-2.
- ALL WIRING SHALL BE COPPER.
- PROVIDE ALL CONDUCTORS AND CABLES IN CONDUIT UNLESS OTHERWISE NOTED.
- PROVIDE AN EQUIPMENT GREEN GROUND CONDUCTOR IN ALL FEEDER AND BRANCH CIRCUITS.
- PROVIDE LUGS AS REQUIRED TO FIT WIRING.
- MAKE ELECTRICAL CONNECTIONS TO EVERYTHING FURNISHED OR INSTALLED BY THIS CONTRACT, WHETHER INDICATED OR NOT ON THE ELECTRICAL DRAWINGS.
- EQUIPMENT SHORT CIRCUIT CURRENT RATINGS AND AVAILABLE INTERRUPTING CURRENT RATINGS SHALL BE FULLY RATED TO INTERRUPT SYMMETRICAL SHORT CIRCUIT CURRENT AVAILABLE AT TERMINALS. SERIES RATED SYSTEMS SHALL NOT BE USED.
- NEUTRAL BUSES SHALL BE COPPER 100% RATED UNLESS OTHERWISE NOTED.
- GROUND BUSES SHALL BE COPPER 100% RATED UNLESS OTHERWISE NOTED.
- PROVIDE HID RATED CIRCUIT BREAKERS FOR USE ON CIRCUITS FEEDING FLUORESCENT AND HIGH INTENSITY DISCHARGE (HID) LIGHTING SYSTEMS SUCH AS METAL HALIDE AND HIGH PRESSURE SODIUM.
- PROVIDE NEW TYPED AND LAMINATED PANEL SCHEDULES IN ALL ELECTRICAL PANELS INDICATING WORK PERFORMED.
- PROVIDE COORDINATION STUDY, FAULT CURRENT STUDY AND ARC FLASH ANALYSIS FOR POWER DISTRIBUTION SYSTEM.
- THE POWER UTILITY (PSO) POINTS OF CONTACT ARE AS FOLLOWS:
 -(EAST OF 145TH) SCOTT BENNETT, 918-250-6212.
 -(WEST OF 145TH) BRANDON IRVING, 918-599-6513.

CIRCUIT SIZING SCHEDULE

Start Point	End Point	Circuit Identifiers	Conductors	Conduit	Circuit Notes
Rack	PB14	A	(2#6+1#10EG)	1-1/4"	1
		B	(2#6+1#10EG)		
PB14	PB13	A	(2#6+1#10EG)	1"	1
		B	(2#8+1#10EG)		
PB13	PB12	A	(2#8+1#10EG)	1"	1
		B	(2#8+1#10EG)		
PB12	PB11	A	(2#8+1#10EG)	1"	1
		B	(2#8+1#10EG)		
PB11	PB10	A	(2#8+1#10EG)	1"	1
		B	(2#8+1#10EG)		
PB10	PB9	A	(2#8+1#10EG)	1"	1
		B	(2#8+1#10EG)		
PB9	PB8	A	(2#8+1#10EG)	1"	1
		B	(2#8+1#10EG)		
PB8	PB7	A	(2#8+1#10EG)	1"	1
		B	(2#8+1#10EG)		
PB7	PB6	A	(2#8+1#10EG)	1"	1
		B	(2#8+1#10EG)		
PB6	PB5	A	(2#8+1#10EG)	1"	1
		B	(2#8+1#10EG)		
PB5	PB4	A	(2#8+1#10EG)	1"	1
		B	(2#8+1#10EG)		
PB4	PB3	A	(2#8+1#10EG)	1"	1
		B	(2#8+1#10EG)		
PB3	PB2	A	(2#8+1#10EG)	1"	1
		B	(2#8+1#10EG)		
PB2	PB1	A	(2#8+1#10EG)	1"	1
Rack	PB14	C	(2#6+1#10EG)	1-1/4"	1
		D	(2#6+1#10EG)		
PB14	PB15	C	(2#6+1#10EG)	1"	1
		D	(2#6+1#10EG)		
PB15	PB16	C	(2#6+1#10EG)	1"	1
		D	(2#8+1#10EG)		
PB16	PB17	C	(2#8+1#10EG)	1"	1
		D	(2#8+1#10EG)		
PB17	PB18	C	(2#8+1#10EG)	1"	1
		D	(2#8+1#10EG)		
PB18	PB19	C	(2#8+1#10EG)	1"	1
		D	(2#8+1#10EG)		
PB19	PB20	C	(2#8+1#10EG)	1"	1
		D	(2#8+1#10EG)		
PB20	PB21	C	(2#8+1#10EG)	1"	1
		D	(2#8+1#10EG)		
PB21	PB22	C	(2#8+1#10EG)	1"	1
		D	(2#8+1#10EG)		
PB22	PB23	C	(2#8+1#10EG)	1"	1
		D	(2#8+1#10EG)		
PB23	PB24	C	(2#8+1#10EG)	1"	1
		D	(2#8+1#10EG)		
PB24	PB25	C	(2#8+1#10EG)	1"	1
		D	(2#8+1#10EG)		
PB# (typ.)	P# (typ.)	n/a	(2#10+1#10EG)	1"	

CIRCUIT NOTES:

- PROVIDE CONTINUOUS CONDUCTOR RUNS BETWEEN FIXTURE CONNECTIONS (I.E. - MOST HANDHOLES WILL CONTAIN ONE SPLICED CIRCUIT AND ONE CONTINUOUS CIRCUIT). COORDINATE WITH LIGHTING LAYOUT PLANS FOR DIAGRAMMATIC CIRCUITING.



DESIGN	SFF	2/15	TULSA & ROGERS COUNTIES
DRAWN	SFF	2/15	
CHECKED	SFF	2/15	
APPROVED			
SQUAD	GARVER	STATE JOB NO. 21899(04)	SHEET NO. 225

ELECTRICAL ONE-LINE AND CIRCUIT SIZING