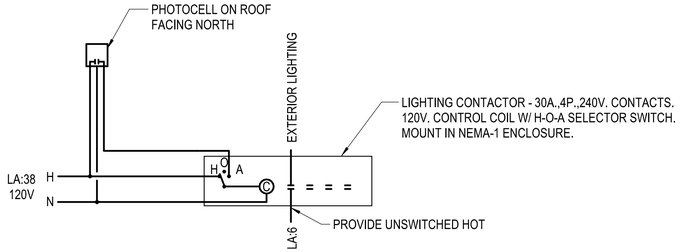
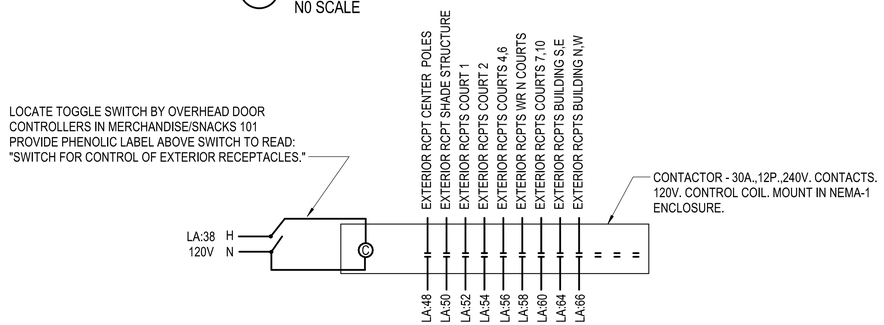


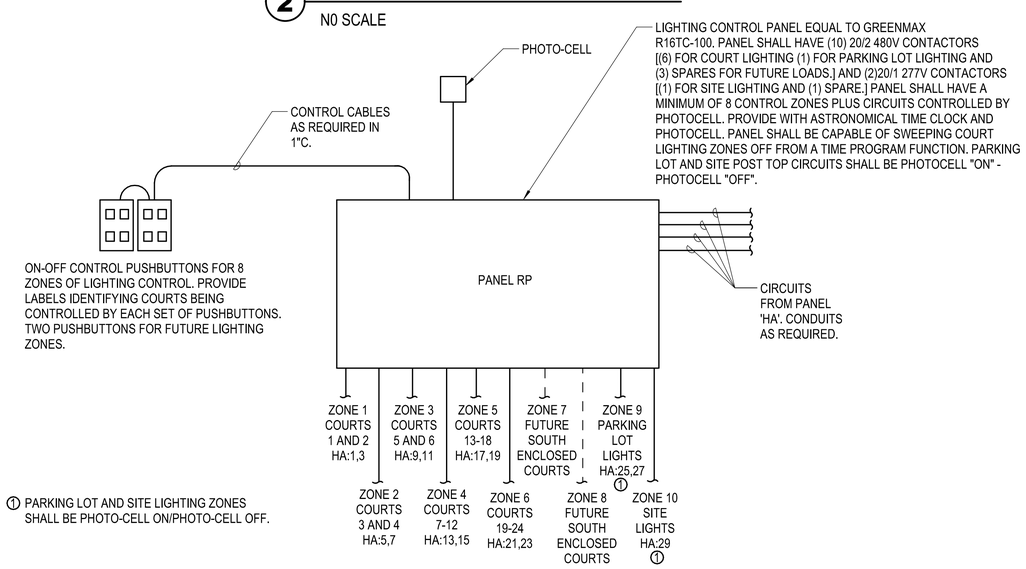
1 CONTACTOR 'A' DIAGRAM

N0 SCALE



2 CONTACTOR 'B' DIAGRAM

N0 SCALE



3 LIGHTING CONTROL DIAGRAM

N0 SCALE

FEEDER SCHEDULE

	DESIG.	EQUIPMENT SERVED	CONDUCTORS SETS	CONDUCTORS NO.	CONDUCTORS SIZE	GROUND SIZE PER SET	ISOLATED GROUND SIZE	CONDUIT SIZE PER SET	SPARE CONDUIT
	A	UTILITY CO. TRANSFORMER	1	–	WITH PULL ROPE	--	--	4"C.	--
	1	C.T. ENCLOSURE/METER	2	4	#3/0 AWG CU	--	--	3-1/2"C.	--
	2	PANEL 'HA'	2	4	#3/0 AWG CU	--	--	3-1/2"C.	--
①	3	RELAY PANEL 'RP'	--	--	--	--	--	--	--
	4	TRANSFORMER 'TLA'	1	3	#250 KCMIL CU	#4	--	2-1/2"C.	--
	5	PANEL 'LA'	2	4	#3/0 AWG CU	#2	--	2-1/2"C.	--

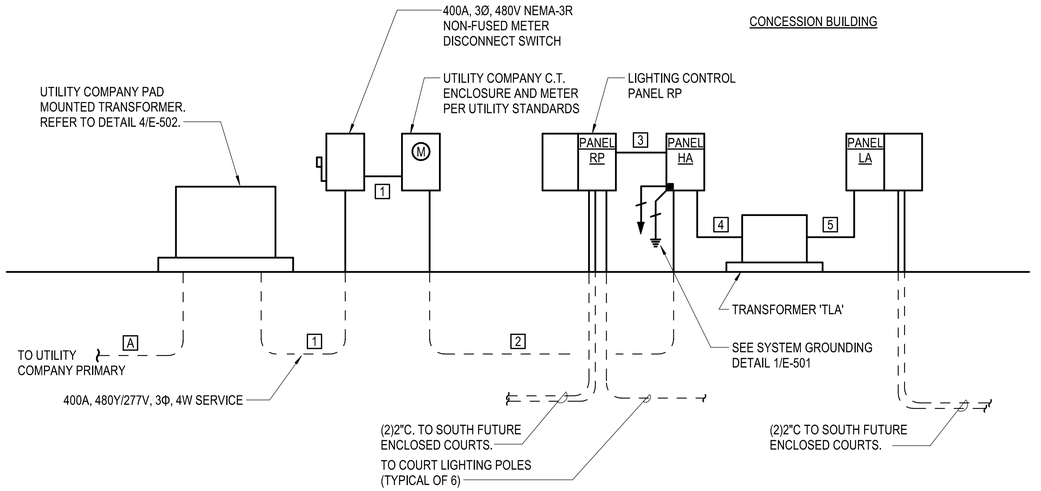
① PROVIDE CONDUITS BETWEEN PANELS AS REQUIRED FOR LIGHTING CIRCUITS.

TRANSFORMER SCHEDULE

TRANSFORMER DESIGNATION	EQUIPMENT TYPE	KVA SIZE	PRIMARY VOLTAGE	SECONDARY VOLTAGE	GRNDING ELECTR COND	NOTES
TLA	DRY-TYPE DOE 2016	112.5	480/3Ph/3W	208/120/3Ph/4W	#2 CU	

GENERAL RISER NOTES:

1. UNLESS OTHERWISE NOTED, ALL CIRCUIT BREAKERS AND/OR SWITCHES ARE THREE POLE.
2. ALL ELECTRICAL EQUIPMENT AND WIRING SHOWN IN A LIGHT LINE, IS EXISTING TO REMAIN.
3. ALL ELECTRICAL EQUIPMENT AND WIRING SHOWN IN A DARK LINE, IS NEW WORK UNDER THIS CONTRACT.



4 ELECTRICAL RISER DIAGRAM

N0 SCALE

PEC
PROFESSIONAL ENGINEERING CONSULTANTS
303 SOUTH TOPEKA
WICHITA, KS 67202
316-262-2691 www.pec1.com

CITY OF WICHITA

SEAN PATRICK GERITY
LICENSED
28753
10/25/2023
PROFESSIONAL ENGINEER

SOUTH LAKES SPORTS PARK
WICHITA, KS

Issue:		
	100% PLANS	10/18/23
	BID SETS	10/25/23

JOB NO.	220008-003
DATE	18 OCTOBER 2023
PM	NLS
DESIGNED BY	DCG
DRAWN BY	SRM
CHECKED BY	SMS

ELECTRICAL RISER DIAGRAM

E-601

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