



**LEGEND:**

- LIGHTING UNIT ON RED CABLE
- LIGHTING UNIT ON BLACK CABLE

**LOAD TABULATION FOR LIGHTING CONTROLLER "X"**

CIRCUIT	AMPS	WATTS
A	11.03	2646
B	10.28	2466
C	7.88	1890
D	6.30	1512
E	3.15	756
F	3.15	756
G	7.88	1890
H	6.30	1512
I	-	-
J	-	-
K	-	-
L	-	-
M	-	-
N	-	-
O	-	-
P	-	-
TOTAL	55.97	13428
LUMINAIRES	29.70 @ 240V	7128
RECEPTACLES	52.50 @ 120V	6300

AMPS/LUMINAIRE @ 240V = .825 AMPS  
 AMPS/RECEPTACLE @ 120V = 1.5 AMPS

**LOAD TABULATION FOR LIGHTING CONTROLLER "Y"**

CIRCUIT	AMPS	WATTS
A	6.30	1512
B	6.30	1512
C	7.88	1890
D	7.13	1710
E	-	-
F	-	-
G	-	-
H	-	-
I	-	-
J	-	-
K	-	-
L	-	-
M	-	-
N	-	-
O	-	-
P	-	-
TOTAL	27.61	6624
LUMINAIRES	14.85 @ 240V	3564
RECEPTACLES	25.50 @ 120V	3060

AMPS/LUMINAIRE @ 240V = .825 AMPS  
 AMPS/RECEPTACLE @ 120V = 1.5 AMPS

LIGHTING CONTROLLER "Y"  
 200A, 120/240V,  
 1-PHASE, 3-WIRE

MATCHLINE SEE ABOVE

MATCHLINE SEE BELOW

RL-11

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 VILLAGE OF PALATINE  
 PALATINE ROAD & PLUM GROVE ROAD RECONSTRUCTION  
 SMITH STREET TO US 14 (NORTHWEST HIGHWAY)  
**LIGHTING CONTROLLERS  
 ONE LINE DIAGRAM**  
 SCALE: VERT. \_\_\_\_\_  
 HORIZ. N.T.S.  
 DATE: OCTOBER 19, 2009  
 DRAWN BY: CJM  
 CHECKED BY: KMY

