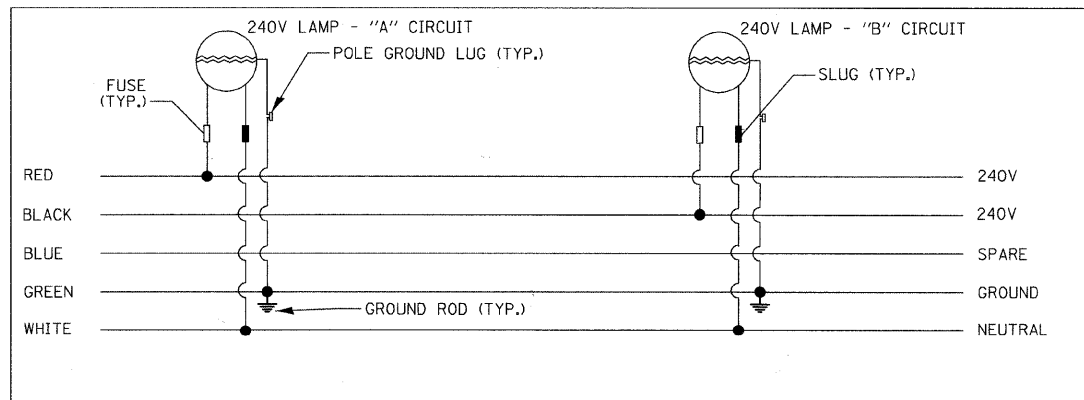


TYPICAL POLE WIRING DIAGRAM



LEGEND

- LIGHT POLE, ALUMINUM, 47.5' M.H., 12' MAST ARM AND 400W HPS LUMINAIRE
- LIGHT POLE, ALUMINUM, 30' M.H., 12' MAST ARM AND 150W HPS LUMINAIRE
- LIGHT POLE, ALUMINUM, 30' M.H., 8' MAST ARM AND 150W HPS LUMINAIRE
- LIGHT POLE, ALUMINUM, 30' M.H., 2-6' MAST ARMS AND 150W HPS LUMINAIRES
- LIGHTING CONTROLLER, 240/480V, 100A
- 5-1/C NO. 2 AND 1/C NO. 4 GROUND, 600V (EPR-TYPE RHW) IN CONDUIT INSTALLED, 1 1/2" DIA., NON-METALLIC

Load Tabulation for Lighting Controller A1

Ckt. #	Description	Phase A (Red) (watts)	Phase B (Black) (watts)
A	0-150W, 3-400W	1440	
B	0-150W, 4-400W		1920
C	0-150W, 4-400W	1920	
D	0-150W, 3-400W		1440
E	6-150W, 3-400W	2520	
F	6-150W, 4-400W		3000
G	0-150W, 4-400W	1920	
H	0-150W, 3-400W		1440
Totals:		7800	7800

FILE NAME = n:\p\m\3379\design\proposals\3379-01\lineD.dwg



Ciorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402
Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014

USER NAME = jvondra	DESIGNED - RJR	REVISED -
PLLOT SCALE = 200.0000' / IN.	DRAWN - RJR	REVISED -
PLLOT DATE = 7/12/2010	CHECKED - JMV	REVISED -
	DATE - 6/16/2010	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALGONQUIN ROAD LIGHTING IMPROVEMENTS
LIGHTING CONTROLLER "A1" ONE LINE DIAGRAM

SCALE: N.T.S. SHEET NO. 49 OF 64 SHEETS STA. TO STA.

F.A.P. RTE. 339	SECTION 09-00100-00-LT	COUNTY COOK	TOTAL SHEETS 64	SHEET NO. 49
CONTRACT NO. 63426				