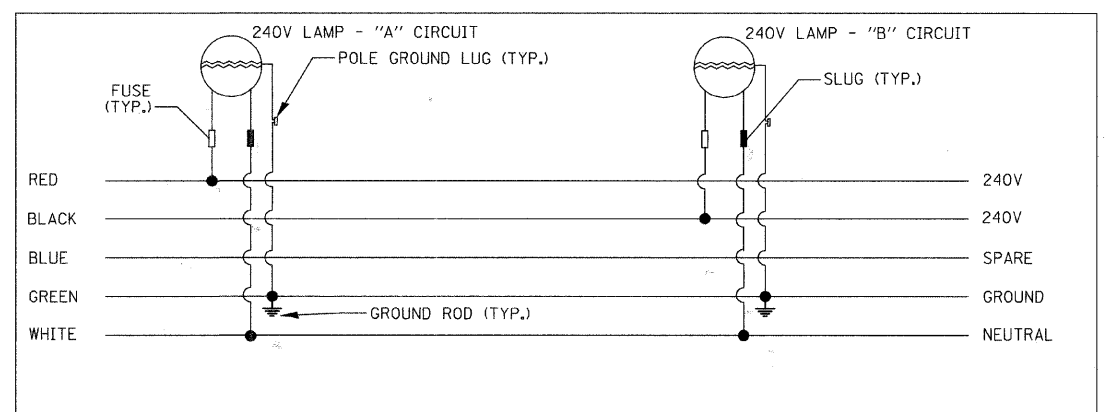


LEGEND

	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
	5-1/2 NO. 2 AND 1/2 NO. 4 GROUND, 600V (EPR-TYPE RHW) IN CONDUIT INSTALLED, 1 1/2" DIA., NON-METALLIC

TYPICAL POLE WIRING DIAGRAM



Load Tabulation for Lighting Controller 58

Ckt. #	Description	Phase A (Red) (watts)	Phase B (Black) (watts)
A	1-150W, 7-400W	3540	
B	0-150W, 7-400W		3360
C	0-150W, 3-400W	1440	
D	0-150W, 2-400W		960
E	0-150W, 7-400W	3360	
F	0-150W, 5-400W		2400
G	1-150W, 7-400W	3540	
H	0-150W, 6-400W		2880
Totals:		11880	9600

FILE:NAME:\proj\3379\design\proposed\plan\3379-oneLine.e58.dgn



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 -
PLOT SCALE = 200.0000' / IN.	DRAWN - RJR	REVISED -
PLOT DATE = 7/12/2010	CHECKED - JMV	REVISED -
	DATE - 6/16/2010	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ALGONQUIN ROAD LIGHTING IMPROVEMENTS
LIGHTING CONTROLLER "58" ONE LINE DIAGRAM**

SCALE: N.T.S. SHEET NO. 50 OF 64 SHEETS STA. TO STA.

F.A.P. RTE. 339	SECTION 09-00100-00-LT	COUNTY COOK	TOTAL SHEETS 64	SHEET NO. 50
CONTRACT NO. 63426				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				