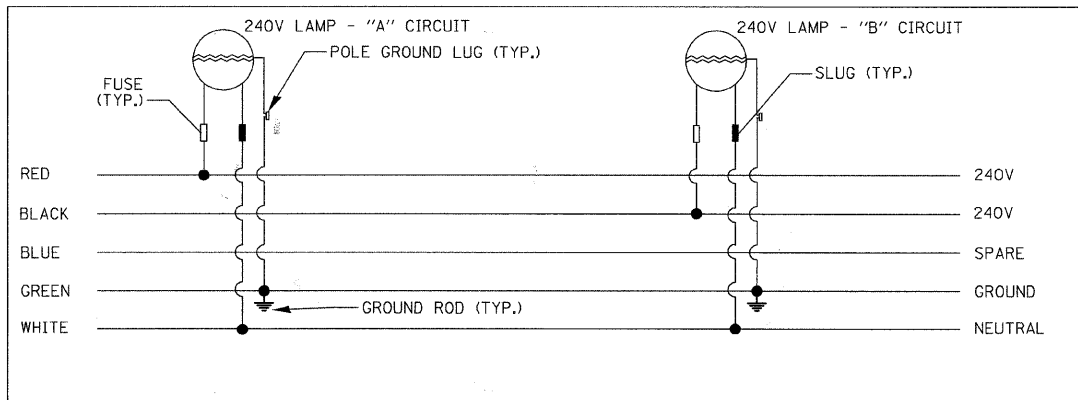


Load Tabulation for Lighting Controller 17			
Ckt. #	Description	Phase A (Red) (watts)	Phase B (Black) (watts)
A	1-150W, 4-400W	2100	
B	1-150W, 4-400W		2100
C	0-150W, 2-400W	960	
D	0-150W, 1-400W		480
E	0-150W, 2-400W	960	
F	0-150W, 1-400W		480
G	0-150W, 5-400W	2400	
H	0-150W, 5-400W		2400
Totals:		6420	5460

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

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Ciorba Group, Inc.
 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402
 Chicago, Illinois 60658
 Tel. 773.775.4009 Fax 773.775.4014

USER NAME = jvond-a	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 "17" ONE LINE DIAGRAM**

SCALE: N.T.S. SHEET NO. 46 OF 64 SHEETS STA. TO STA.

F.A.P. RTE. 339	SECTION 09-00100-00-LT	COUNTY COOK	TOTAL SHEETS 64	SHEET NO. 46
CONTRACT NO. 63426				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				