

3-1/C NO. 4, 1/C NO. 6 GND.  
(TYP.)

PROPOSED LIGHTING  
CONTROLLER "B"  
240/480V, 100A, 1 PH,  
3 WIRE

3-1/C NO. 2/0 IN  
CONDUIT PUSHED,  
2 1/2" DIA. GALVANIZED  
STEEL

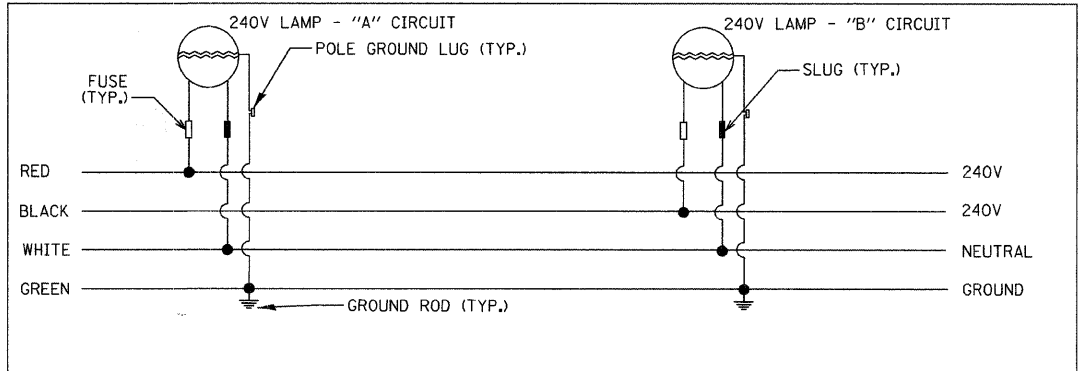
ELECTRIC SERVICE,  
240/480V, 100 AMP

LUMINAIRE, SODIUM VAPOR,  
HORIZONTAL MOUNT, 310 WATT  
ON LIGHT POLE, ALUMINUM,  
47.5 FT. M.H., 12 FT. MAST ARM

LOAD TABULATION FOR CONTROLLER "B"

CKT. #	LOAD DESCRIPTION	PHASE A (RED)	PHASE B (BLACK)
A	2-310W HPS	3.4	
B	2-310W HPS		3.4
C	3-310W HPS	5.1	
D	2-310W HPS		3.4
E	2-310W HPS	3.4	
F	2-310W HPS		3.4
G	2-310W HPS	3.4	
H	3-310W HPS		5.1
I	4-310W HPS	6.8	
J	4-310W HPS		6.8
TOTAL		22.1	22.1

LOAD WAS CALCULATED BASED ON 1.7A PER 310W LUMINAIRE AT 240V



TYPICAL POLE WIRING DIAGRAM

FILE NAME = n:\p\03\66030\design\lighting\66030\_08\_cenline.dgn

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USER NAME = jvondra	DESIGNED - MLB	REVISED -
PLOT SCALE = 1/8" = 1' IN.	DRAWN - MLB	REVISED -
PLOT DATE = 12/29/2008	CHECKED - JMV	REVISED -
	DATE - DECEMBER 2008	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WAUKEGAN ROAD LIGHTING IMPROVEMENTS  
LIGHTING CONTROLLER "B" ONE LINE DIAGRAM**

SCALE: N/A SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE. 348	SECTION 07-00102-00-LT	COUNTY COOK	TOTAL SHEETS 23	SHEET NO. 11
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT CONTRACT NO. 63099				