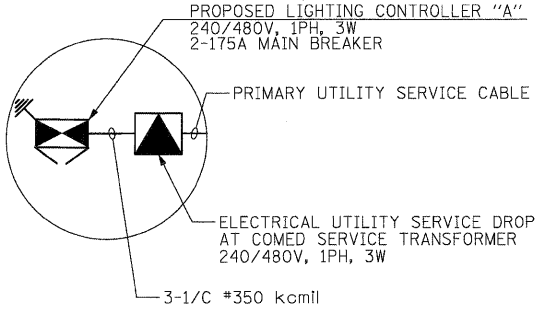


- LEGEND:**
- PROPOSED HIGH MAST LIGHT TOWER
750W HPS LUMINAIRE (TYP. U.N.O.)
(BLACK PHASE - SOLID SYMBOLS,
RED PHASE - OPEN SYMBOLS)
 - 12 120FT
13 130FT
HIGH MAST TOWER DESIGNATION
 - PROPOSED UNDERPASS LIGHTING UNIT
70W HPS LUMINAIRE (TYP. U.N.O.)
(BLACK PHASE - SOLID SYMBOLS,
RED PHASE - OPEN SYMBOLS)
 - LIGHTING CONTROLLER
 - GROUND FIELD
 - ELECTRIC UTILITY SERVICE DROP
 - BUCK-BOOST TRANSFORMER ENCLOSURE



LIGHTING CONTROLLER "A" LOAD TABLE

CIRCUIT	RED PHASE		CIRCUIT	BLACK PHASE	
	AMPS	WATTS		AMPS	WATTS
A	3.5	840	B	3.5	840
C	3.5	840	D	3.5	840
E	10.5	2520	F	10.5	2520
G	31.5	7560	H	31.5	7560
I	21	5040	J	21	5040
K*	25.44	6107	L	21.94	5267
M	--	--	N	--	--
O	--	--	P	--	--
Q	--	--	R	--	--
S	21	5040	T	24.5	5880
U	--	--	V	--	--
W	--	--	X	--	--
TOTAL	116.44	27,947	TOTAL	116.44	27,947

- NOTES:**
- SEE DRAWING GE-1 FOR ELECTRICAL SYMBOL LIST AND ABBREVIATIONS. SEE DRAWING GE-2 FOR ELECTRICAL GENERAL NOTES AND SUGGESTED LIGHTING PHASING NOTES.
 - CIRCUIT AND CABLE CALLOUTS ARE TYPICAL UNLESS NOTED OTHERWISE.
 - BUCK-BOOST TRANSFORMER INSIDE OF TOWER MOUNTED, SS, NEMA 4X JUNCTION BOX. SEE DRAWING RL2-5, NOTE 6.
 - AMPS COLUMN INCLUDES ADDITIONAL AMPERAGE ON PRIMARY SIDE OF BUCK-BOOST TRANSFORMERS.
 - SEE IDOT STANDARD DRAWING BE-505c FOR HIGH MAST POLE WIRING DIAGRAM.

LOAD TABULATION IS BASED ON THE FOLLOWING:
750W HPS (HMT) LUMINAIRE: 3.5A AT 240V
**" SEE NOTE 4

McDonough Associates Inc.
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FILE NAME = D:\B0F12-SHT-EW2-1.dgn	USER NAME = TKLuegel	DESIGNED - JLW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-55 AT ARSENAL ROAD PROPOSED LIGHTING CONTROLLER "A" STAGE 2 SINGLE LINE DIAGRAM	F.A.I. R.T.E. 55	SECTION 99-2HB-2B-1	COUNTY WILL	TOTAL SHEETS 756	SHEET NO. 409	
PLOT SCALE = 1:200	CHECKED - KMY	REVISED -	SCALE: 1" = 50'			SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			
PLOT DATE = 2/3/2011	DATE = 2/4/11	REVISED -									
CONTRACT NO. 60F12											