



CKTS: A & B
UNIT DUCT 3-1/C NO.2,
1/C NO.4 GND. 1/2" DIA.
(TYP.)

CKTS: C & D
UNIT DUCT 3-1/C NO.2,
1/C NO.4 GND. 1/2" DIA.
(TYP.)

CKTS: E & F
UNIT DUCT 3-1/C NO.2,
1/C NO.4 GND. 1/2" DIA.
(TYP.)

CKTS: G & H
UNIT DUCT 3-1/C NO.2,
1/C NO.4 GND. 1/2" DIA.
(TYP.)

CKTS: K & L
UNIT DUCT 3-1/C NO.2,
1/C NO.4 GND. 1/2" DIA.
(TYP.)

CKTS: M & N
UNIT DUCT 3-1/C NO.2,
1/C NO.4 GND. 1/2" DIA.
(TYP.)

LOAD TABLE							
LIGHTING CONTROLLER 'A', 240/480V, 1-Φ							
RED PHASE	NO. LUM. *	AMPS	WATTS	BLACK PHASE	NO. LUM. *	AMPS	WATTS
A	13-310W 2-70W	20.8	4992.0	B	13-310W 2-70W	20.8	4992.0
C	13-310W	20.8	4992.0	D	13-310W	20.8	4992.0
E	13-310W	20.8	4992.0	F	12-310W	19.2	4608.0
G	9-310W 3-70W	15.6	3744.0	H	9-310W 3-70W	15.6	3744.0
I	NOT USED			J	NOT USED		
K	13-310W	20.8	4992.0	L	13-310W	20.8	4992.0
M	10-310W	16.0	3840.0	N	10-310W	16.0	3840.0
TOTAL	66-310W 5-70W	114.8	27552.0	TOTAL	66-310W 5-70W	113.2	27168.0

TOTAL CONNECTED LOAD CAPACITY: 54.720KVA

* CONSIDERING THE BALLAST FACTOR, ASSUMED THAT 310W HPS LUMINAIRE WILL CONSUME 384 WATTS AND 70W HPS LUMINAIRE WILL CONSUME 96 WATTS.

LEGENDS

- CONVENTIONAL LIGHTING POLE UNIT 310 WATT HPS LUMINAIRE (BLACK PHASE - SOLID SYMBOL, RED PHASE- OPEN SYMBOL)
- UNDERPASS LIGHTING UNIT 70 WATT HPS LUMINAIRE (BLACK PHASE - SOLID SYMBOL, RED PHASE- OPEN SYMBOL)
- LIGHTING CONTROLLER
- PROPOSED ELECTRIC UTILITY SERVICE

I:\327\CON\CADD Sheets\0860169-ent-light-16.dgn
 26-DEC-2013 15:02 TIME



USER NAME: kprajapati	DESIGNED: RDP	REVISED: 6/18/2013
PLDT SCALE: 480.0000001.000000	DRAWN: MG/WC	REVISED: 8/22/2013
PLDT DATE: 26-DEC-2013 15:02	CHECKED: KGP	REVISED: 10/18/2013
	DATE: 8/22/2013	REVISED: 12/04/2013

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STUENKEL ROAD OVER I-57
LIGHTING CONTROLLER "A" WIRING DIAGRAM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	99-1HB-R	WILL	679	339
CONTRACT NO. 60L69			ILLINOIS FED. AID PROJECT	