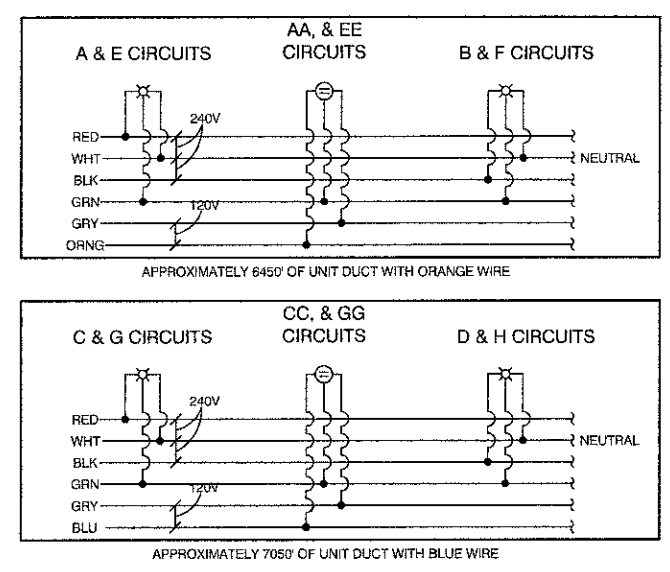


CONTROLLER #1
240/480V, 1 ϕ , 3 WIRE, 60HZ

CONTROLLER #2
240/480V, 1 ϕ , 3 WIRE, 60HZ

TYPICAL CIRCUIT WIRING



INDIVIDUAL LOAD DATA			
NOMINAL	INPUT VOLTS	MAX INPUT AMPS	INPUT WATTS
315W CMH	240.00	1.50	353.00
35W LED	240.00	0.30	51.00
FESTOON GFI	120.00	2.50	300.00
EXIST. 400W	240.00	2.00	478.00

NOMINAL WATTAGE	FUSE SIZE
315 & 35	6.0 AMP
400	5.0 AMP
FESTOON OUTLET	6.0 AMP

LUMINAIRE FUSE SIZE TABLE

LOAD TABULATIONS CONTROLLER #1			
CIRCUIT	WATTS	AMPS @ 240V	
		RED PHASE	BLACK PHASE
A	2,020	9.00	
B	2,020		9.00
C	2,020	9.00	
D	2,020		9.00
E	1,212	5.40	
F	1,212		5.40
G	1,690	7.40	
H	1,212		5.40
LUMINAIRE SUBTOTAL	13,406	30.80	28.80
AA	1500.00	6.3	
CC	1500		6.3
EE	900	3.8	
GG	900		3.8
GFCI SUBTOTAL	4800	10.0	10.0
CAB TOTAL	18206	40.8	38.8
TOTAL AMPS @ 240 V		79.60	

LOAD TABULATIONS CONTROLLER #2			
CIRCUIT	WATTS	AMPS @ 240V	
		RED PHASE	BLACK PHASE
A	2,902	12.80	
B	2,424		10.80
C	2,424	10.80	
D	2,424		10.80
E	808	3.60	
F	1,212		5.40
G	1,212	5.40	
H	808		3.60
LUMINAIRE SUBTOTAL	14,214	32.60	30.60
AA	1200.00	5.0	
CC	1500		6.3
EE	1200	5.0	
GG	1200		5.0
GFCI SUBTOTAL	5100	10.0	11.3
CAB TOTAL	19314	42.6	41.9
TOTAL AMPS @ 240 V		84.45	

NOTES
1. EQUIPMENT GROUND CONDUCTORS SHALL BE SPLICED AND BOUNDED AT EACH LIGHT POLE OR OTHER EQUIPMENT.

- LEGEND**
- ⊗ LUMINAIRE, 315W CHM & 35W LED
 - ⊗ LUMINAIRE, 400W HPS, 240V
 - ⊕ GFCI DUPLEX OUTLET
 - FUSE -- REFER TO FUSE SIZE TABLE
 - A LUMINAIRE CIRCUIT, 240V
 - AA GFCI CIRCUIT, 120V
 - { CIRCUIT BREAKER
 - CONNECTION

FILE NAME = 08026_02-D\TLS-01 - SLWD 01

USER NAME =	DESIGNED -- DWS	REVISED --
PLOT SCALE =	CHECKED -- PAP	REVISED --
PLOT DATE = 06/27/12	DRAWN -- MED	REVISED --
	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PULASKI ROAD
STREET LIGHTING
SINGLE LINE WIRING DIAGRAM

SCALE: SHEET NO. 7 OF 17 SHEETS STA. TO STA.

F.A.U. RTE. 3778	SECTION 08-00082-01-LT	COUNTY COOK	TOTAL SHEETS 17	SHEET NO. 7
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT HPP M-9003(774)		