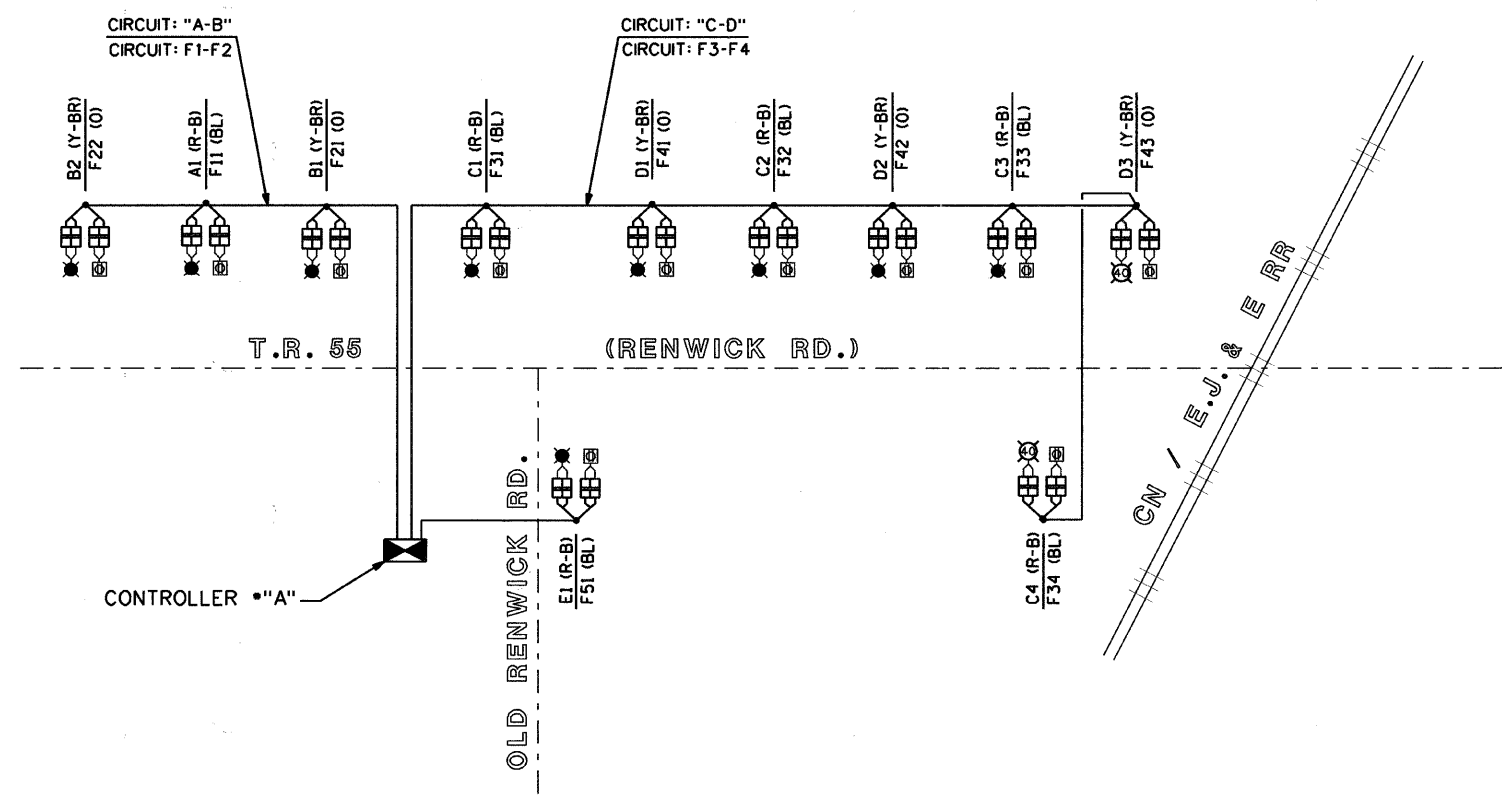


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR55	90-16103-01-BR	WILL	255	114
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
CONTRACT NO. 83126				

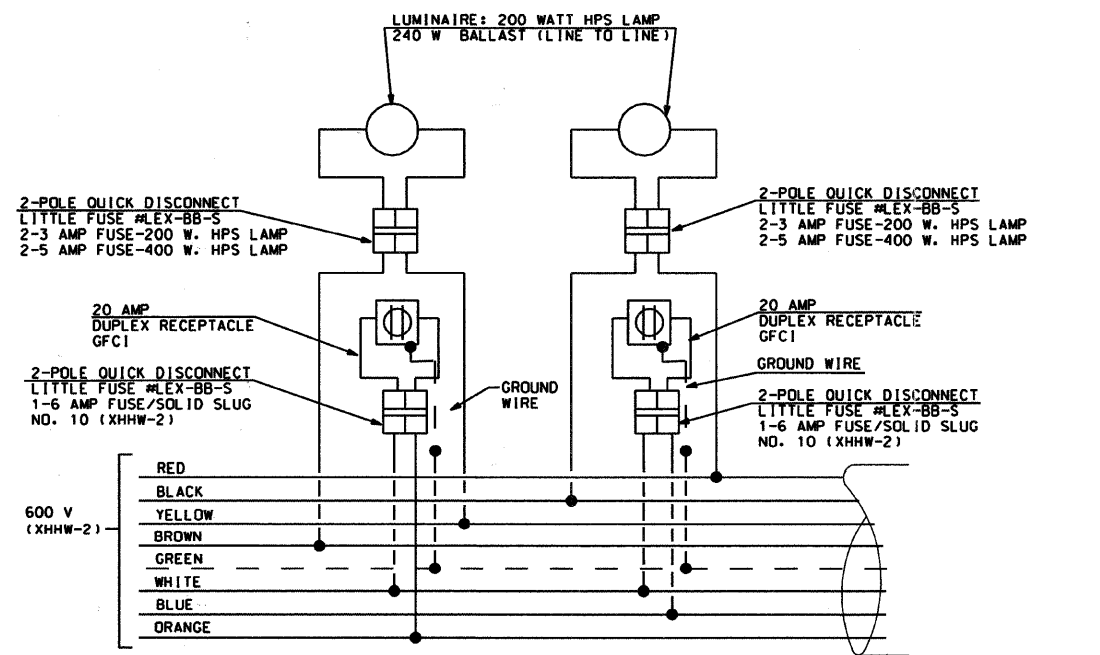


- SINGLE LINE LEGEND**
- LUMINAIRE, 400 W HPS LAMP
 - LUMINAIRE, 200 W HPS LAMP
 - FESTOON OUTLET
 - 2 POLE DISCONNECT WITH FUSE
 - 2-5 AMPERE FUSE, 400 W HPS LAMP
 - 2-3 AMPERE FUSE, 200 W HPS LAMP
 - 1-6 AMPERE FUSE, 1-SOLID SLUG, FESTOON OUTLET
 - LIGHTING CONTROL CABINET
200 AMPERE, 120/240 VOLT, 1 PHASE, 3 WIRE
 - POLYETHYLENE DUCT WITH CIRCUIT CABLE

CONTROLLER "A"
CIRCUIT LOAD

LIGHTING PANEL - 240 V (LINE TO LINE)			FESTOON PANEL - 120 V LINE TO NEUTRAL				
CIRCUIT	AMPERE	WATTS	CIRCUIT	AMPERE	WATTS	AMPERE	WATTS
A	1	238	F1	3	360		
B	2	476	F2			6	720
C	5	1,182	F3	12	1,440		
D	4	944	F4			9	1,080
E	1	238	F5	3	360	9	
SPARE							
TOTAL	13	3,078		18	2,160	15	1,800

CWA TYPE MULTITAP BALLAST, 10% VOLTAGE DROP
 400 W HPS LAMP 2 AMPERE, 468 WATTS, 50,000 LUMENS
 200 W HPS LAMP 1 AMPERE, 238 WATTS, 22,000 LUMENS



TYPICAL SPlicing DETAIL
 LIGHTING CIRCUIT "A-B" / FESTOON CIRCUIT "F1-F2"
 LIGHTING CIRCUIT "C-D" / FESTOON CIRCUIT "F3-F4"

Sunjoy Inc.
Area Lighting
212 TIMBERCREST DRIVE
SCHAUMBURG, ILLINOIS
60193-1572

ILLINOIS DEPARTMENT OF TRANSPORTATION
 T.R. 55 (RENWICK RD.)
 PLANFIELD TOWNSHIP, WILL COUNTY

**ONE LINE CIRCUIT DIAGRAM
 CONTROLLER "A"**

SCALE: DATE: OCT. 30, 2009
 DRAWN BY: HKQ
 CHECKED BY: JS

REVISED 2-27-10

C:\SUNJOY\Projects\RENWICK ROAD\E-8_of_E-17.dgn

4/8/2010