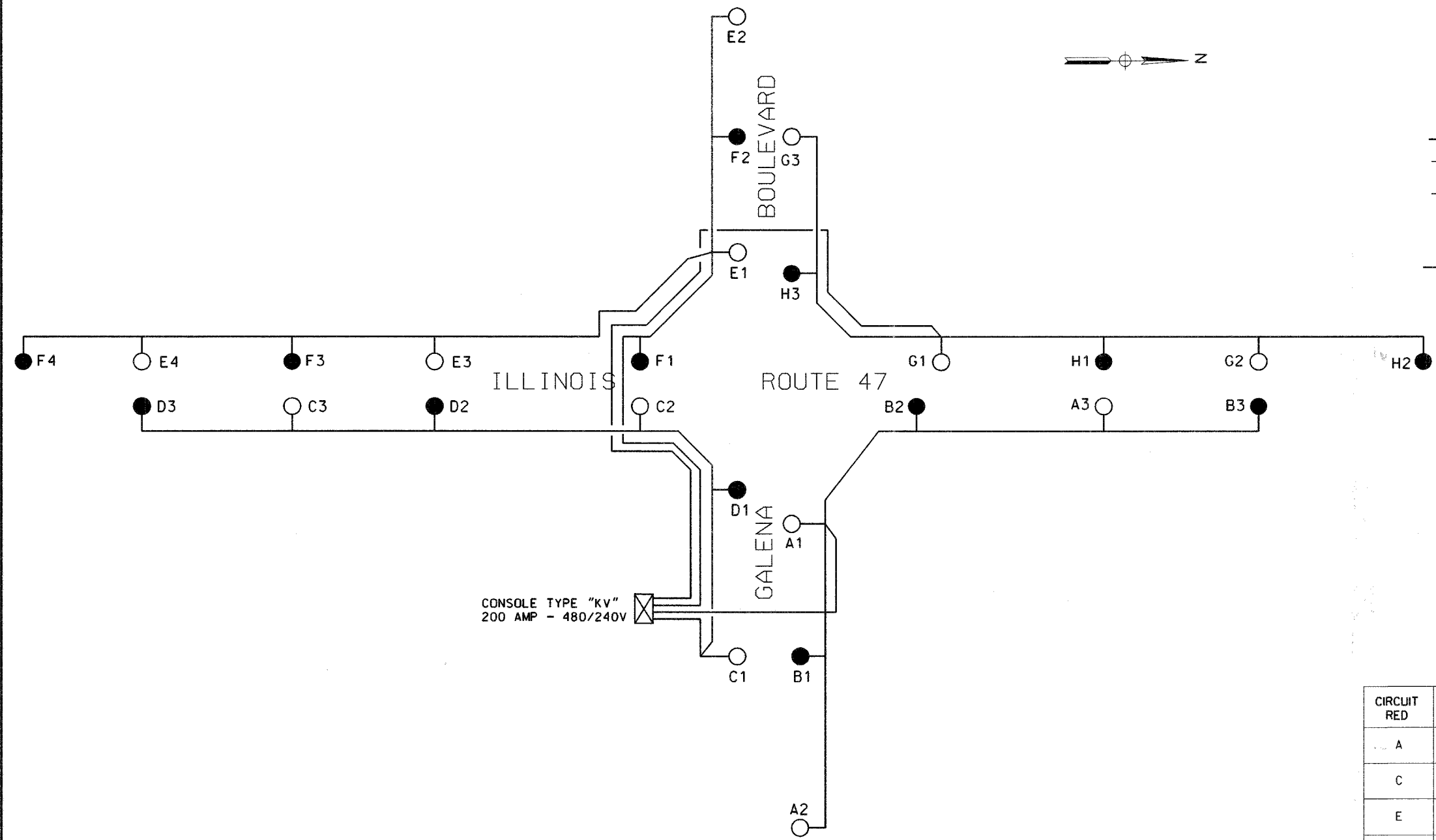




LEGEND

- LUMINAIRE ON RED CIRCUIT
- LUMINAIRE ON BLACK CIRCUIT
- ⊠ CONTROL CABINET
- 3 1/2 #6 & 1/2 #6 GND  
600 V (EPR - TYPE RHW)

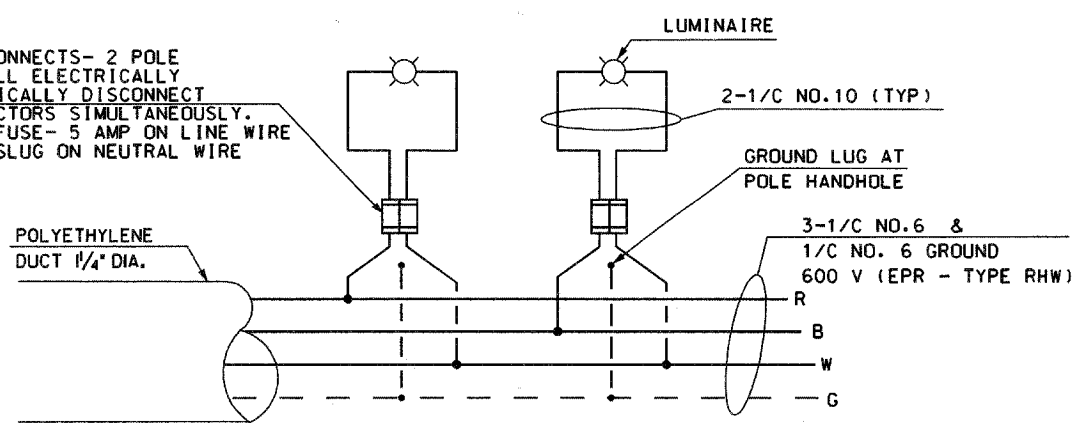


**ONE LINE CIRCUIT DIAGRAM**

CIRCUIT LOAD  
 CONTROLLER "KV" 240/480 VOLT

CIRCUIT RED	AMPERE	WATTS	CIRCUIT BLACK	AMPERE	WATTS
A	6.0	1,434	B	6.0	1,912
C	6.0	1,434	D	6.0	1,434
E	8.0	1,912	F	8.0	1,912
G	6.0	1,434	H	6.0	1,434
SPARE			SPARE		
SPARE			SPARE		
TOTAL	26.0	6,214	TOTAL	26.0	6,214

QUICK DISCONNECTS- 2 POLE  
 DEVICE SHALL ELECTRICALLY  
 AND MECHANICALLY DISCONNECT  
 BOTH CONDUCTORS SIMULTANEOUSLY.  
 SLOW BLOW FUSE- 5 AMP ON LINE WIRE  
 AND SOLID SLUG ON NEUTRAL WIRE



**CIRCUIT DETAILS TYP.**



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

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 VILLAGE OF SUGAR GROVE, KANE COUNTY  
 INTERSECTION: GALENA BOULEVARD WITH  
 ILLINOIS ROUTE 47  
**ONE LINE CIRCUIT DIAGRAM  
 CONTROLLER "KV"**  
 SCALE: NONE  
 DATE: 4-20-08  
 DRAWN BY: HKQ  
 CHECKED BY: JS

REVISED 06-06-08