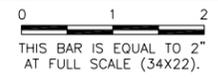


CE032

REVISIONS		
NUMBER	BY	DATE



CITY OF CENTRALIA, ILLINOIS
CENTRALIA MUNICIPAL AIRPORT
CENTRALIA, ILLINOIS
CONSTRUCT NEW ELECTRICAL VAULT; REHABILITATE
MIRLS, PAPI & REILS ON RUNWAY 18/36
REGULATOR INDICATING LIGHT DETAILS

© Copyright CMT, Inc.
CMT
 CRAWFORD, MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
 License No. 184-000613

DESIGN BY:	WDP
DRAWN BY:	ADD, DPA
CHECKED BY:	TM
APPROVED BY:	RLV
DATE:	MAY 2, 2014
JOB No:	11072-02
IL PROJ. NO.	ENL-4230
PROJ. NO.	3-17-SBGP-XX
SHEET	26 OF 30 SHEETS

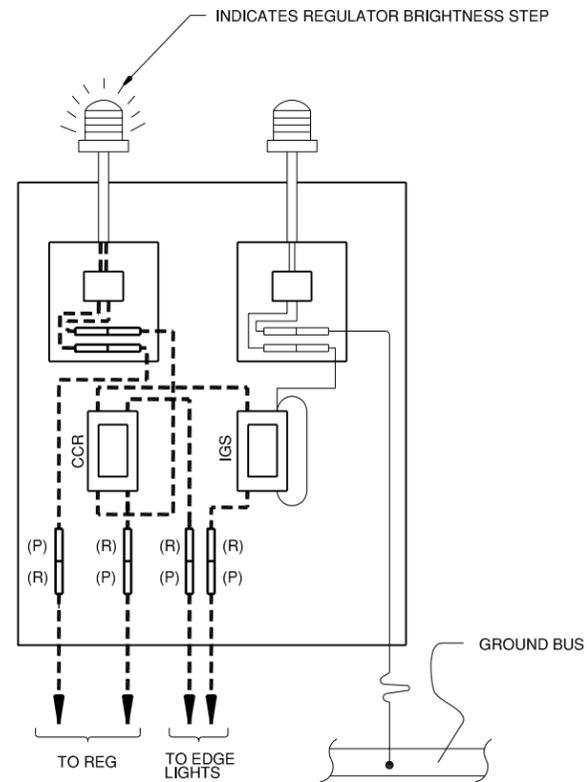
TESTING

1. TO TEST FOR A GROUND FAULT ON EDGE LIGHT SERIES CIRCUIT:

- TURN OFF REGULATOR
- REMOVE "IGS" S1 CUTOUT FROM SOCKET
- TURN REGULATOR ON
- VERIFY THAT REGULATOR OUTPUT INDICATION LAMP IS ILLUMINATED AND INDICATES REGULATOR BRIGHTNESS STEP
- GROUND FAULT INDICATION LAMP WILL ILLUMINATE IF A GROUND FAULT EXISTS ON THE LIGHTING CIRCUIT

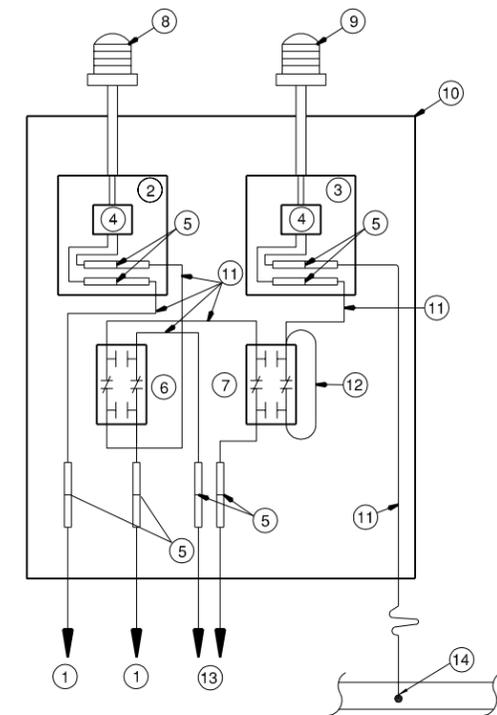
2. TO ISOLATE REGULATOR FROM EDGE LIGHT SERIES CIRCUIT HOMERUN AND GROUND FAULT INDICATION CIRCUIT FOR TESTING JUST THE REGULATOR:

- TURN OFF REGULATOR
- REMOVE "CCR" S1 CUTOUT FROM SOCKET.
- TURN REGULATOR ON
- THE CCR OUTPUT INDICATION LAMP AT MOUNTING PANEL WILL STILL ILLUMINATE FOR TESTING REGULATOR

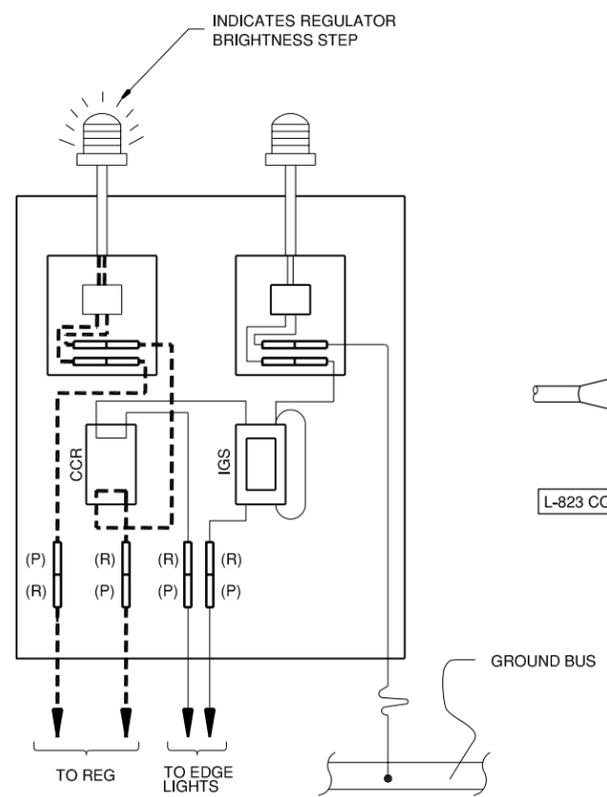


----- INDICATES CURRENT FLOW

NORMAL OPERATION
 NTS
 (BOTH PLUG CUTOUTS ARE IN)

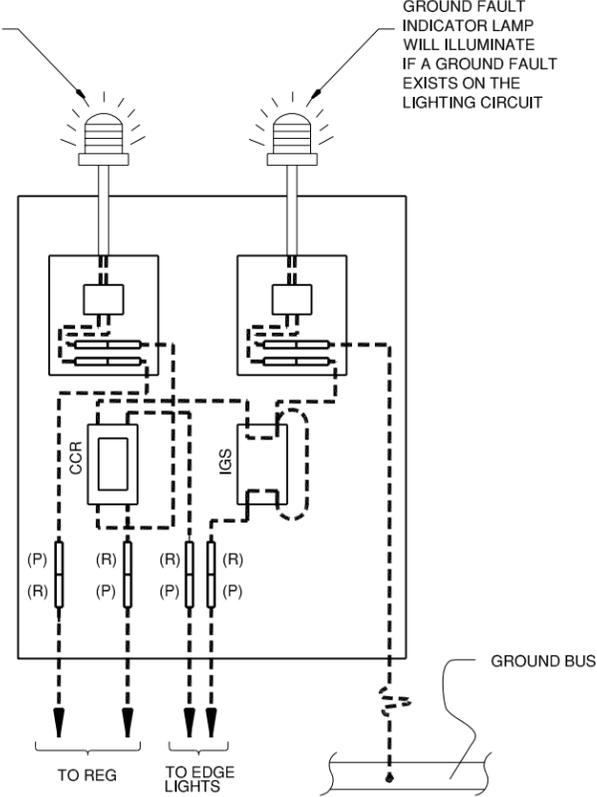
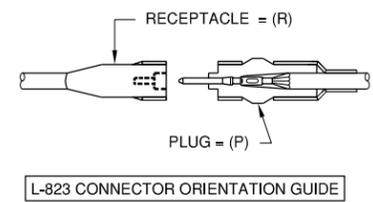


- REGULATOR INDICATING LIGHT NOTES
- 5KV L-824 CABLES TO REGULATOR.
 - HINGED COVER NEMA 1 ENCLOSURE SIZED AS REQUIRED TO HOUSE EQUIPMENT, WITH ENGRAVED NAMEPLATE READING: "CIRCUIT INDICATOR".
 - HINGED COVER NEMA 1 ENCLOSURE SIZED AS REQUIRED TO HOUSE EQUIPMENT, WITH ENGRAVED NAMEPLATE READING: "GROUND INDICATOR".
 - L-830 ISOLATION TRANSFORMER.
 - L-823 CONNECTOR. (SEE CONNECTOR ORIENTATION GUIDE)
 - "CCR" TYPE S-1 PLUG CUTOUT FOR ISOLATING REGULATOR OUTPUT TO TEST REGULATOR.
 - "IGS" TYPE S-1 PLUG CUTOUT FOR INTENTIONAL GROUNDING OF SERIES CIRCUIT TO TEST FOR GROUND FAULTS.
 - REGULATOR OUTPUT INDICATION EDGE LIGHT (RUNWAY OR TAXIWAY EDGE LIGHT).
 - GROUND FAULT INDICATION EDGE LIGHT WITH WHITE GLOBE.
 - EQUIPMENT MOUNTING PANEL.
 - 5KV L-824 CABLE.
 - 5KV L-824 CABLE USED AS A JUMPER.
 - REGULATOR SERIES CIRCUIT HOMERUN CABLES TO EDGE LIGHTS.
 - CLAMP TO GROUND BUS.



----- INDICATES CURRENT FLOW

REGULATOR TESTING
 NTS
 "CCR" PLUG CUTOUT IS OUT
 "IGS" CUTOUT IS IN



----- INDICATES CURRENT FLOW

GROUND FAULT TESTING
 NTS
 "CCR" PLUG CUTOUT IS IN
 "IGS" PLUG CUTOUT IS OUT