



CONTROL PANEL FOR AIRFIELD NAVAIDS SCHEMATIC

CONTROL PANEL FOR AIRFIELD NAVAIDS SCHEMATIC

**NOTES**

- 15 AMP & 20 AMP INPUT POWER/BRANCH CIRCUITS SHALL BE #10 AWG COPPER THWN FROM THE RESPECTIVE POWER SOURCE TO THE LIGHTING CONTACTOR/RELAY PANEL. 25 AMP AND 30 AMP INPUT POWER/BRANCH CIRCUITS SHALL BE #8 AWG COPPER THWN (MIN.) FROM THE RESPECTIVE POWER SOURCE TO THE LIGHTING CONTACTOR/RELAY PANEL.
- INPUT CONTROL CIRCUITS SHALL BE #12 AWG COPPER THWN.
- FOR 120 VAC BRANCH CIRCUITS THE NEUTRAL CONDUCTOR SHALL NOT BE SWITCHED THROUGH THE RELAY CONTACTS. USE TERMINAL BLOCKS TO TRANSITION FROM VAULT BRANCH CIRCUIT WIRING TO FIELD WIRING.
- PROVIDE #10 AWG COPPER BONDING JUMPER FROM PANEL ENCLOSURE FRAME TO ENCLOSURE DOOR.
- PROVIDE 3-POSITION MAINTAINED CONTACT "HAND-OFF-AUTO" SELECTOR SWITCH FOR EACH LIGHTING CONTACTOR & MOUNT ON LIGHTING CONTACTOR PANEL ENCLOSURE DOOR. SELECTOR SWITCH SHALL BE SQUARE D CLASS 9001, TYPE SK SERIES, 30MM, OR APPROVED EQUAL. INCLUDE LEGEND PLATE TO IDENTIFY THE DEVICE CONTROLLED. SELECTOR SWITCHES SHALL BE RATED NEMA 4/4X TO BE COMPATIBLE WITH THE NEMA 4X ENCLOSURE.

REVISION	DATE
12/11/12	TWO LIG CONTACTORS

MARSHALL COUNTY AIRPORT  
LACON, ILLINOIS

IL PROJ.: C75-4223 BLOCK GRANT PROJ.: 3-17-0059-B15

Hanson Proj. No. 10A0051	Filename E-604.DWG	Scale NONE	Date 12/14/12
LAYOUT	KNL	08/26/10	
DRAWN	MLH	09/02/10	
REVIEWED	KNL/CAH	03/30/11	

**HANSON**  
Professional Services Inc. 2013  
Hanson Professional Services Inc.  
1525 South Sixth Street  
Springfield, Illinois 62703-2886  
Ph: (217) 788-2450 Fax: (217) 788-2503  
www.hanson-inc.com  
Offices Nationwide

PAVE, LIGHT AND MARK  
805' EXTENSION

LIGHTING CONTACTOR  
SCHEMATIC

JAN 11, 2013 7:39 AM KINC00394  
E:\AIRPORTS\MARSHALL\10A0051\AIRPORT\ SHEETS\E-604.DWG