


BY	
REVISION	
DATE	

FLORA AIRPORT
FLORA, ILLINOIS

A.I.P. PROJ.: 3-17-0044-B15
IL PROJ.: FOA-3786

HEL Project No. 08A0021D-0800	DATE	02/01/08
Drawn E-602.DWG	SCALE	NONE
Checked	DATE	01/22/08
Reviewed	DATE	01/22/08
Drawn	DATE	01/22/08
Reviewed	DATE	02/01/08



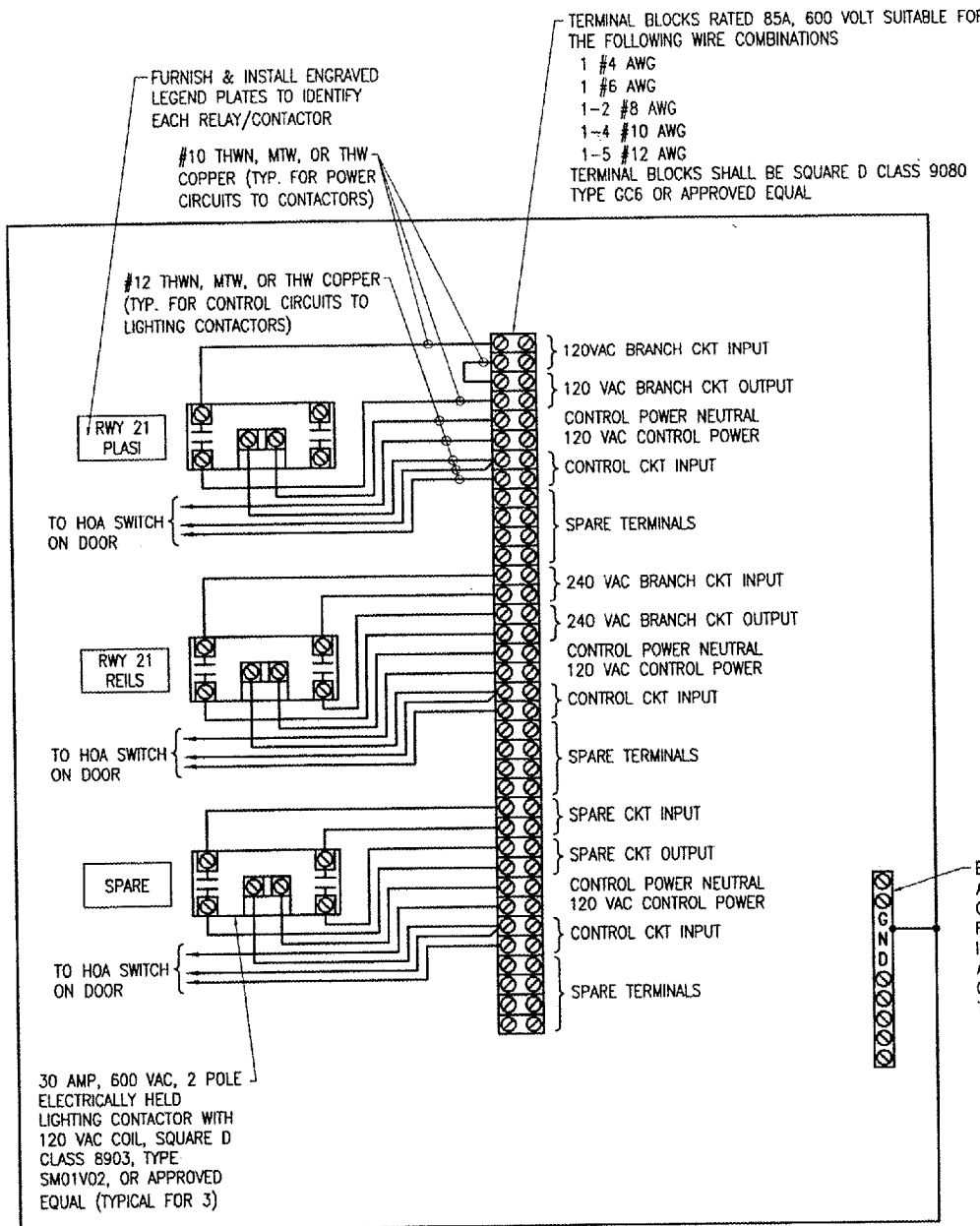
Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62766
Chicago, Illinois 60606

INSTALL REILS & PLASI
ON RUNWAY END 21

LIGHTING CONTACTOR
PANEL DETAIL

NOTES

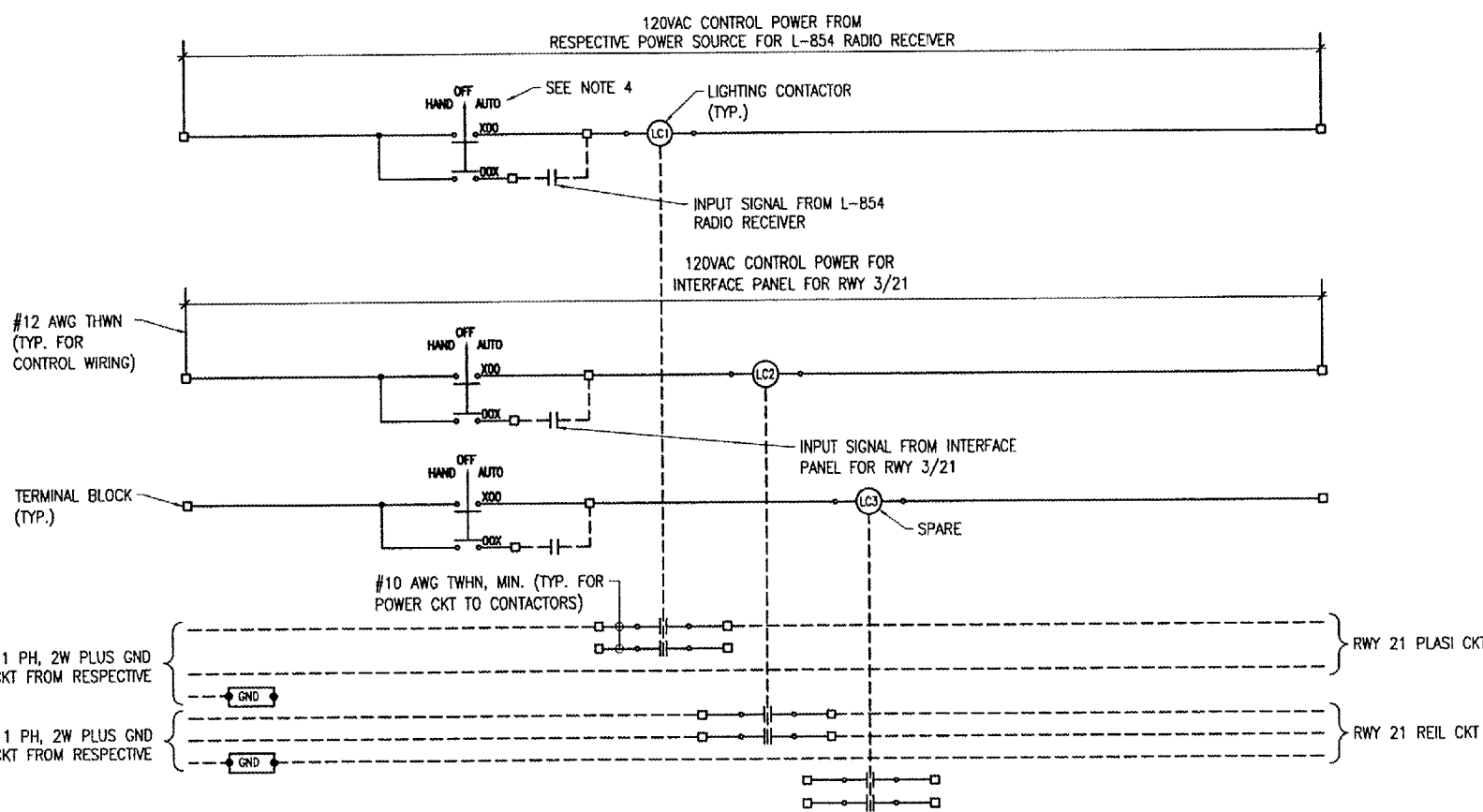
- 15 AMP & 20 AMP INPUT POWER/BRANCH CIRCUITS SHALL BE #10 AWG COPPER THWN FROM THE RESPECTIVE POWER SOURCE TO THE LIGHTING CONTACTOR/RELAY PANEL. 30 AMP INPUT POWER/BRANCH CIRCUITS SHALL BE #8 AWG COPPER THWN (MIN.) FROM THE RESPECTIVE POWER SOURCE TO THE LIGHTING CONTACTOR/RELAY PANEL.
- INPUT CONTROL CIRCUITS SHALL BE #12 AWG COPPER THWN.
- 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 KS43FBH13, OR APPROVED EQUAL. INCLUDE LEGEND PLATE TO IDENTIFY THE DEVICE CONTROLLED (EX: "RWY 21 PLASI" OR "RWY 21 REIL").
- INSTALL CONTROL PANEL IN VAULT. FIELD VERIFY LOCATION WITH ADEQUATE CLEAR WORKING SPACE PER NEC 110.26. INTERFACE CONTROL PANEL TO LOW VOLTAGE WIREWAY WITH 2" GRSC AND JUNCTION BOXES.



EQUIPMENT GROUND BAR ADEQUATELY SIZED FOR ALL GROUND WIRES TO AND FROM RELAY CONTACTOR PANEL ILSCO CAT. NO. D167-12 OR APPROVED EQUAL. INSTALL ONE GROUND WIRE PER TERMINAL.

120 VAC, 1 PH, 2W PLUS GND BRANCH CKT FROM RESPECTIVE CKT BKR

240 VAC, 1 PH, 2W PLUS GND BRANCH CKT FROM RESPECTIVE CKT BKR



SCHEMATIC

CONTROL PANEL FOR RWY 21 PLASI & REIL

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