

#B AWG FAA L-824 TYPE C, 5000V CABLE (TYP.) TO TAXIWAY GUIDANCE L-861 30W INCANDESCENT FIXTURE WITH CLEAR SIGN LIGHTING LENS. MOUNT TO TOP OF ENCLOSURE L-861 30W INCANDESCENT FIXTURE WITH CLEAR LENS. MOUNT TO TOP NEMA 1 OR NEMA 12 ENCLOSURE WITH HINGED COVER AND BACK PANEL. L-830 30/45W SERIES ISOLATION ENCLOSURE SHALL BE PAD LOCKABLE TRANSFORMER PER FAA AC AND ADEQUATELY SIZED FOR EQUIPMENT 150/5345-47B. INSTALL IN AND TO MOUNT TWO TYPE S-1 PIUG BOTTOM OF ENCLOSURE (m) CUTOUTS ADJACENT TO EACH OTHER. S1-A CUTOUT SHALL BE WIRED AS A LOAD DISCONNECT SWITCH THAT WILL LEGEND PLATE DISCONNECT THE LOAD AND SHORT THE CCR OUTPUT WHEN THE PLUG/HANDLE IS INTENTIONAL LOAD REMOVED. S1-B CUTOUT SHALL BE DISCONNECT GROUND WIRED AS AN INTENTIONAL GROUNDING SWITCH SWITCH THAT WILL GROUND ONE SIDE OF THE SERIES CIRCUIT LOOP WHEN THE PLUG/HANDLE IS REMOVED. #8 AWG FAA L-824 TYPE C, 5000V, JUMPER **#**## SERIES PLUG CUTOUT TYPE S-1, CROUSE-HINDS CAT. NO. 30775. NEW L-830 30/45W SERIES ISOLATION CUTOUTS SHALL BE CROUSE-HINDS CAT. TRANSFORMER PER FAA AC NO. 30775 TO MATCH EXISTING CUTOUTS 150/5345-47B. INSTALL IN IN THE VAULT. (HANDLE/PLUG BOTTOM OF ENCLOSURE INSERTED) TYP. FOR 2 INPUT #6 AWG CU #8 AWG FAA L-824 TYPE C, 5000V CABLE IN CONDUIT AND/OR WIREWAY. PROVIDE 1" LIQUID TIGHT FLEX METAL CONDUIT AT CONNECTION TO REGULATOR VAULT #8 EQUIPMENT GND WIRE OR #6 EXTERNAL GND BUS BONDING JUMPER. SEE NOTE 5. #8 AWG FAA L-824 TYPE C. 5000V GND CABLE IN 1" LIQ. TIGHT FLEX NON-METALLIC 6 AWG CU VAULT GND CCR VAULT

# HIGH VOLTAGE WIRING SCHEMATIC FOR TAXI GUIDANCE SIGNS

# NOTES

- PROVIDE PHENOLIC ENGRAVED LEGEND PLATES FOR CONSTANT CURRENT REGULATOR NOTING THE REGULATOR DESIGNATION.
- 2. PLUG CUTOUT CABINET SHALL BE FURNISHED WITH A PHENOLIC ENGRAVED LEGEND PLATE THAT IDENTIFIES THE RESPECTIVE CIRCUIT OR REGULATOR, INCLUDE AN ADDITIONAL LEGEND PLATE LABELED "CAUTION OPERATE S1 HANDLES WITH LOAD DE-ENERGIZED".
- 3. PROVIDE PHENOLIC ENGRAVED LEGEND PLATES FOR EACH CUTOUT TO IDENTIFY THE FUNCTION OF EACH RESPECTIVE CUTOUT.
- 4. PROVIDE ADEQUATE WORKING SPACE IN FRONT OF CUTOUT ENCLOSURE TO MEET NEC CLEARANCE REQUIREMENTS.
- 5. LIQUID TIGHT FLEXIBLE METAL CONDUIT AND ASSOCIATED FITTINGS SHALL BE U.L. LISTED TO MEET THE REQUIREMENTS OF NEC 350.6, SUITABLE FOR GROUNDING AND SUNLIGHT RESISTANT. LIQUID TIGHT FLEXIBLE METAL CONDUIT THAT IS USE FOR FLEXIBILITY (INCLUDING CONNECTIONS TO CCR'S & TRANSFORMERS) SHALL REQUIRE AN EXTERNAL BONDING JUMPER OR INTERNAL EQUIPMENT GROUNDING CONDUCTOR PER NEC 350.60. EXTERNAL BONDING JUMPERS USED WITH CCR INSTALLATIONS SHALL BE #6 AWG COPPER (MINIMUM). INTERNAL EQUIPMENT GROUNDING CONDUCTOR SHALL BE #8 AWG COPPER (MINIMUM). DO NOT INSTALL LIQUID TIGHT FLEXIBLE METAL CONDUIT THAT IS NOT U.L. LISTED.

# LEGEND

- DENOTES PLUG CUTOUT WITH PLUG INSERTED
- "P" DENOTES PLUG CUTOUT WITH PLUG PULLED

"CCR" DENOTES CONSTANT CURRENT REGULATOR

WA057



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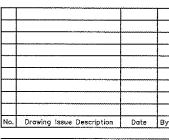


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## AIRFIELD SIGNAGE IMPROVEMENTS

AIP PROJECT NO. 3-17-0105-B35 IDA PROJECT NO. UGN-3650



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HIGH VOLTAGE SCHEMATIC FOR TAXIWAY SIGNS

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