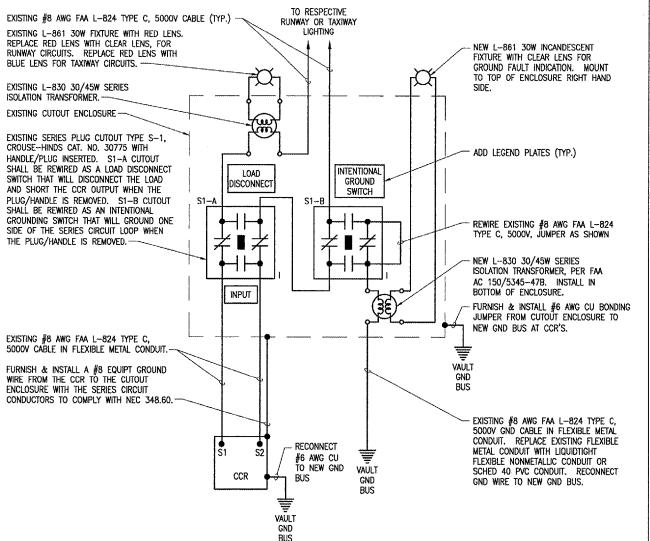


EXISTING HIGH VOLTAGE WIRING SCHEMATIC

(TYP. FOR EACH CCR)



PROPOSED HIGH VOLTAGE WIRING SCHEMATIC

(TYP. FOR EACH CCR)

NOTES

- THE EXISTING SERIES PLUG CUTOUTS ARE WIRED SUCH THAT THE CCR OUTPUT IS CONNECTED
 TO THE SERIES CIRCUIT WHEN THE CUTOUT PLUG IS REMOVED. THIS IS INCORRECT AND DOES
 NOT ALLOW A PROPER LOCKOUT PROCEDURE. THE EXISTING CUTOUT PAIRS FOR EACH CCR
 SHALL BE REWIRED AS SHOWN ON THE PROPOSED HIGH VOLTAGE WIRING SCHEMATIC.
- REFER TO COOPER CROUSE—HINDS "TROUBLESHOOTING AIRFIELD SERIES CIRCUITS" GUIDE FOR INFORMATION ON INTENTIONAL GROUNDING METHOD TO ASSIST IN LOCATING GROUND FAULTS ON AIRFIELD LIGHTING CIRCUITS.
- 5. PROVIDE PHENOLIC ENGRAVED LEGEND PLATES FOR EACH CONSTANT CURRENT REGULATOR NOTING THE REGULATOR DESIGNATION, & THE RUNWAY OR TAXIWAY SERVED.
- EACH 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 CUTOUTS WITH CCR SHUT OFF".
- PROVIDE PHENOLIC ENGRAVED LEGEND PLATES FOR EACH CUTOUT TO IDENTIFY THE FUNCTION OF EACH RESPECTIVE CUTOUT.
- EXISTING HIGH VOLTAGE WIRING INSTALLED IN FLEXIBLE METAL CONDUIT THAT IS USED FOR FLEXIBILITY (INCLUDING CONNECTIONS TO CCR'S & TRANSFORMERS) SHALL REQUIRE THE ADDITION OF AN INTERNAL EQUIPMENT GROUNDING CONDUCTOR PER NEC 348.60. INTERNAL EQUIPMENT GROUNDING CONDUCTOR SHALL BE #8 AWG COPPER (MINIMUM).

LEGEND

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

"CCR" DENOTES CONSTANT CURRENT REGULATOR

WA057



HANSON PROFESSIONAL SERVICES INC

815 Commerce Drive, Suite 200 Oak Brook, Illinois 60523 Telephone: 630.990.3800 Fax: 630.990.3801

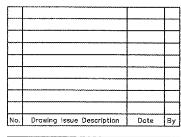


WAUKEGAN REGIONAL AIRPORT WAUKEGAN PORT DISTRICT

3580 North McAree Road Woukegan, Illinois 60087 Telephone: 847.244.0066 Fax: 847.244.3813

AIRFIELD SIGNAGE IMPROVEMENTS

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



Date

NOVEMBER 10, 2006

HIGH VOLTAGE WIRING

831-06/	\8004
Project Number	r
KNL	09/01/06
Layout By	Date
KNL	09/01/06
Designed By	Date
RMH	11/10/06
Paylowed Su	Date

SCHEMATICS

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Sheet No.