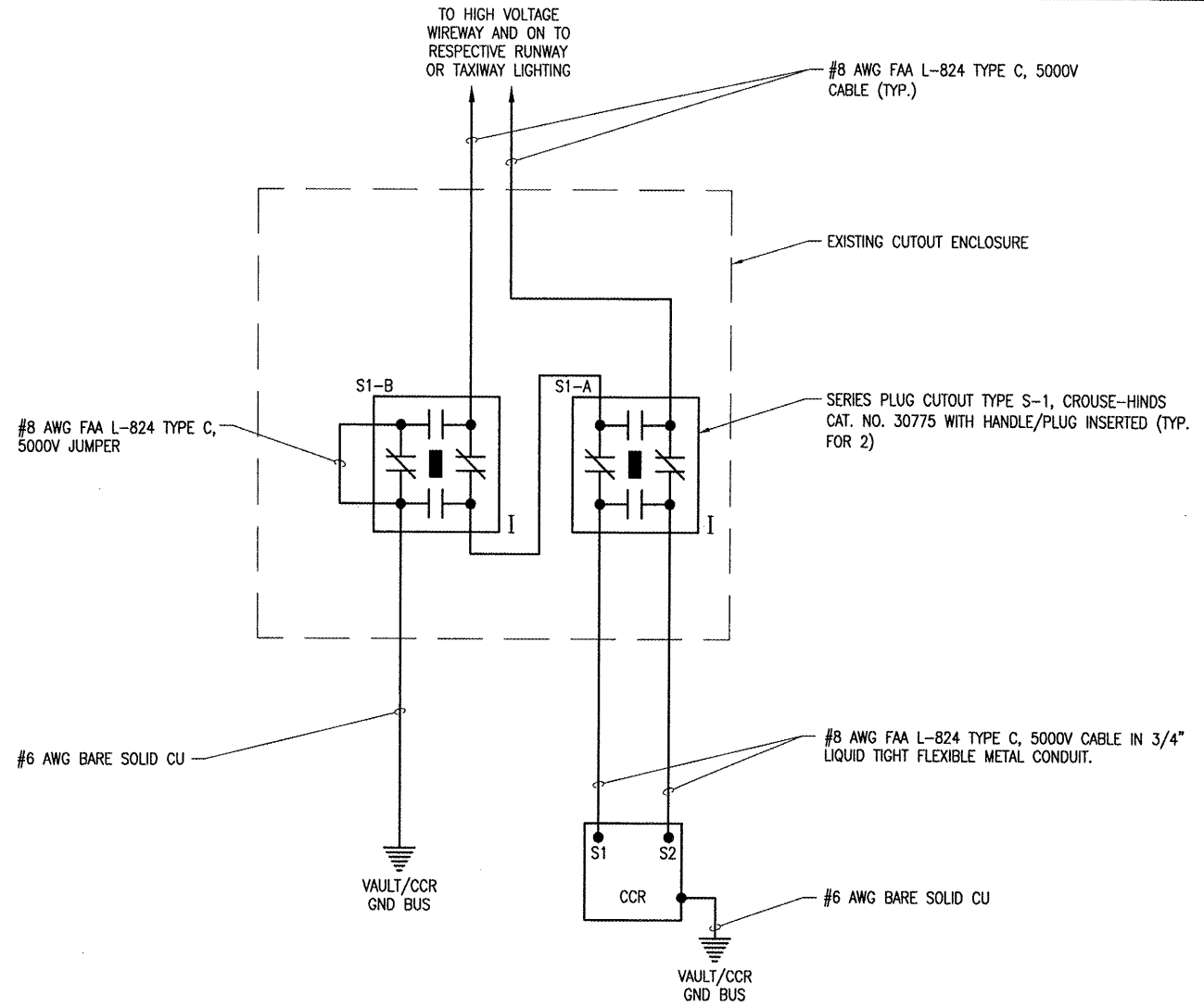
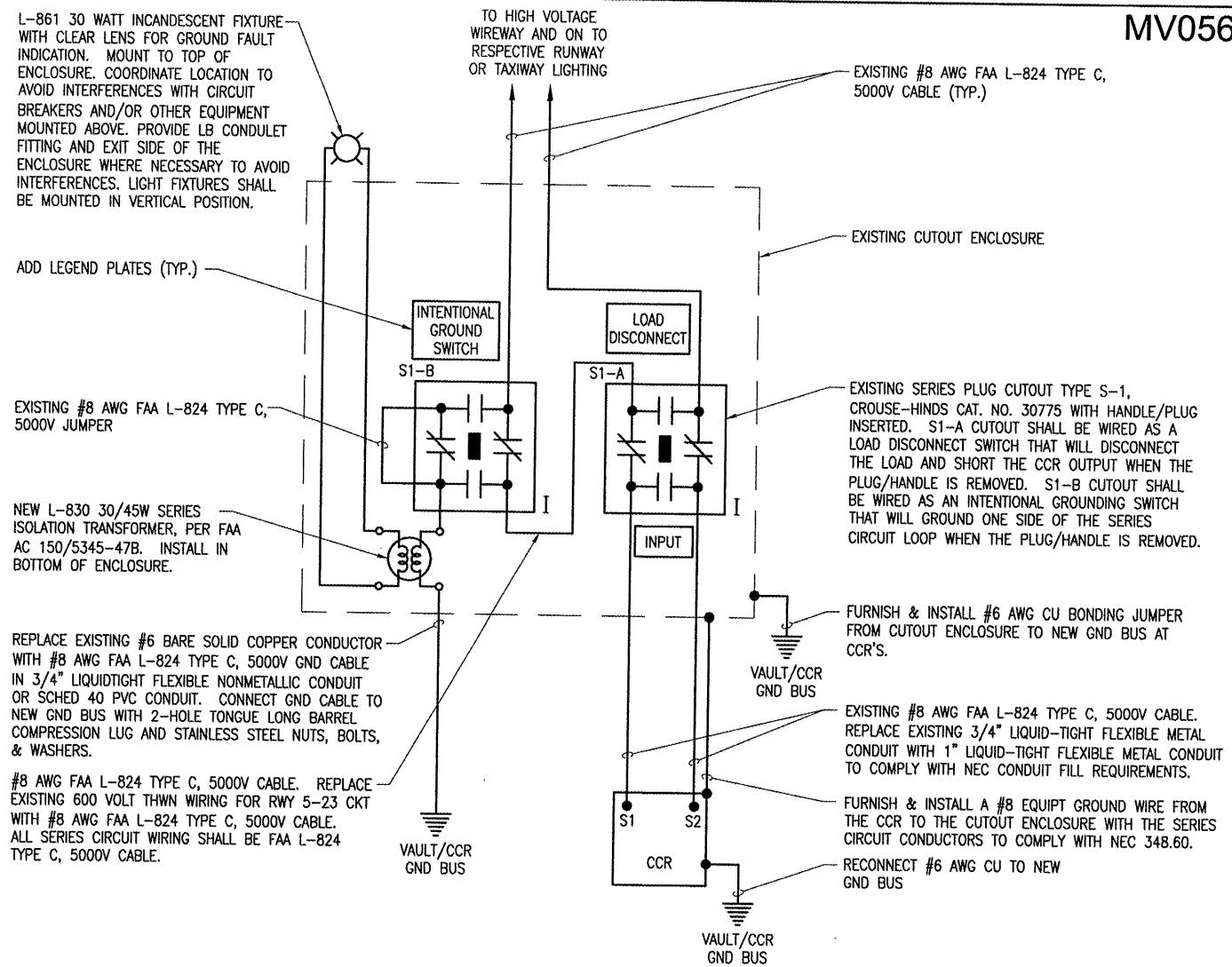


JUN 30, 2008 3:03 PM WALLE00723
 I:\AIRPORTS\MTVERNON\08A0003\DESIGN\CAD\SHEETS\E-607.DWG - Work



EXISTING HIGH VOLTAGE WIRING SCHEMATIC
 (TYP. FOR EACH CCR)

WORK SHOWN ON THIS SHEET IS FOR BASE BID.



PROPOSED HIGH VOLTAGE WIRING SCHEMATIC
 (TYP. FOR EACH CCR)

- NOTES**
- 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.
 - EACH PLUG CUTOUT CABINET SHALL BE FURNISHED WITH A PHENOLIC ENGRAVED 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.
 - 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 USED FOR FLEXIBILITY (INCLUDING CONNECTIONS TO CCR'S & TRANSFORMERS) SHALL REQUIRE AN EXTERNAL BONDING JUMPER OR INTERNAL CONNECTIONS TO CCR'S & TRANSFORMERS) SHALL REQUIRE AN EXTERNAL BONDING JUMPER OR INTERNAL EQUIPMENT GROUNDING CONDUCTOR PER NEC 350.60. INTERNAL EQUIPMENT GROUNDING CONDUCTOR SHALL BE #8 AWG COPPER (MINIMUM). EXTERNAL BONDING JUMPERS USED WITH CCR INSTALLATIONS SHALL BE #6 AWG COPPER (MINIMUM). DO NOT INSTALL LIQUID TIGHT FLEXIBLE METAL CONDUIT THAT IS NOT UL LISTED.
 - FURNISH & INSTALL A WARNING LABEL FOR EACH CUTOUT ENCLOSURE TO WARN PERSONS OF POTENTIAL ARC FLASH HAZARDS, PER THE REQUIREMENTS OF NEC 110.16 "FLASH PROTECTION".

- LEGEND**
- "I" DENOTES PLUG CUTOUT WITH PLUG INSERTED
 - "P" DENOTES PLUG CUTOUT WITH PLUG PULLED
 - "CCR" DENOTES CONSTANT CURRENT REGULATOR

MV056

REVISION	DATE	BY

MT. VERNON AIRPORT

 MT. VERNON, ILLINOIS
 A.I.P. PROJ.: 3-17-0074-B18
 I.L. PROJ.: MW-3818

Revision Project No.	08A0003D
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Scale	NONE
Date	06/18/08
LAYOUT	KNL 02/15/08
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REVIEWED	CAH 06/11/08

HANSON

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 Offices Nationwide

REHABILITATE TAXIWAYS
 "C" AND "D"
 INSTALL ELECTRICAL
 EQUIPMENT
 HIGH VOLTAGE
 WIRING SCHEMATICS