

NEMA 1 OR NEMA 12 ENCLOSURE WITH HINGED COVER AND BACK PANEL. TO RWY. 18/36 ENCLOSURE SHALL BE PAD LOCKABLE & TXY. LIGHTING AND ADEQUATELY SIZED FOR TWO TYPE S-1 PLUG CUTOUTS ADJACENT TO EACH OTHER. PLUG CUTOUT PAIR SHALL BE WIRED FOR MANUAL LOAD TRANSFER SWITCH OPERATION BETWEEN TWO #8 AWG FAA L-824 TYPE C, 5000V CABLE REGULATORS AND SHALL HAVE ONE S1 HANDLE/PLUG ASSEMBLY FOR THE PAIR OF CUTOUTS. OUTPUT OUTPUT SERIES PLUG CUTOUT TYPE S-1. CROUSE HINDS CAT. NO. 30775 OR APPROVED EQUAL (HANDLE/PLUG REMOVED) NORMAI SPARE CCR CCR INPUT INPUT #6 AWG CU #8 AWG FAA L-824 TYPE C, 5000V VAULT CABLE IN CONDUIT AND/OR WIREWAY. PROVIDE 1" LIQUID TIGHT FLEX METAL CONDUIT AT CONNECTION TO REGULATOR (TYP.) #6 AWG CU BONDING JUMPER AT EXTERIOR OF LIQ. TIGHT FLEX METAL CONDUIT. #6 AWG CU BONDING JUMPER AT EXTERIOR OF LIQ. TIGHT FLEX METAL CONDUIT. PROVIDE GROUNDING FITTINGS WITH GND PROVIDE GROUNDING FITTINGS WITH GND LUGS AT CONDUIT TERMINATIONS. SEE LUGS AT CONDUIT TERMINATIONS. SEE #6 AWG CU -#6 AWG CU EXISTING RWY 18/36 SPARE 7.5 & TWY. 7.5KW CCR KW CCR VAULT VAULT FOR RWY. GND 18/36 & BUS TAXIWAY HIGH VOLTAGE WIRING SCHEMATIC

NOTES

FOR RUNWAY & TAXIWAY CIRCUIT

SERIES PLUG CUTOUT MOUNTING DETAIL

- PROVIDE PHENOLIC ENGRAVED LEGEND PLATES FOR EACH CONSTANT CURRENT REGULATOR NOTING THE REGULATOR DESIGNATION, THE RUNWAY OR TAXIWAY SERVED AND THE POWER SOURCE AND CIRCUIT NUMBER.
- EACH PLUG CUTOUT CABINET SHALL BE FURNISHED WITH A PHENOLIC ENGRAVED LEGEND PLATE THAT IDENTIFIES THE RESPECTIVE CIRCUIT OR REGULATOR.
- PROVIDE PHENOLIC ENGRAVED LEGEND PLATES FOR EACH CUTOUT TO IDENTIFY THE RESPECTIVE CUTOUT INPUT CONNECTION AND THE RESPECTIVE CUTOUT OUTPUT CONNECTION.
- 4. PROVIDE ADEQUATE WORKING SPACE IN FRONT OF EACH CUTOUT ENCLOSURE TO MEET NEC CLEARANCE REQUIREMENTS.
- PROVIDE WARNING SIGN ON VAULT DOOR LABELED "DANGER -- HIGH VOLTAGE -- KEEP OUT" PER THE REQUIREMENTS OF NEC 110.34 (C).
- 6. 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 OF INTERNAL EQUIPMENT GROUNDING CONDUCTOR PER NEC 350.60. 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.
- 7. CROUSE—HINDS CAT. NO. 30771, (MODEL—3) SERIES PLUG CUTOUTS ARE NOT ACCEPTABLE, BECAUSE THE HANDLE IS NOT REMOVABLE.

LEGEND

"I" DENOTES PLUG CUTOUT WITH PLUG INSERTED

"P" DENOTES PLUG CUTOUT WITH PLUG PULLED

"CCR" DENOTES CONSTANT CURRENT REGULATOR

METROPOLIS MUNICIPAL AIRPORT METROPOLIS, ILLINOIS HANSON CONSTRUCT NEW VAULT

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JAN 12, 2006 1:39 PM CAH

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