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JOLIET REGIONAL PORT DISTRICT

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EXTEND RUNWAY 2-20: CONSTRUCT
TAXIWAY TURNAROUND

AIP PROJECT NO. 3-17-0140-B42
IDA PROJECT NO. LOT-3792

| No. | Drawing Issue Description | Date | By |
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Date
APRIL 18, 2008

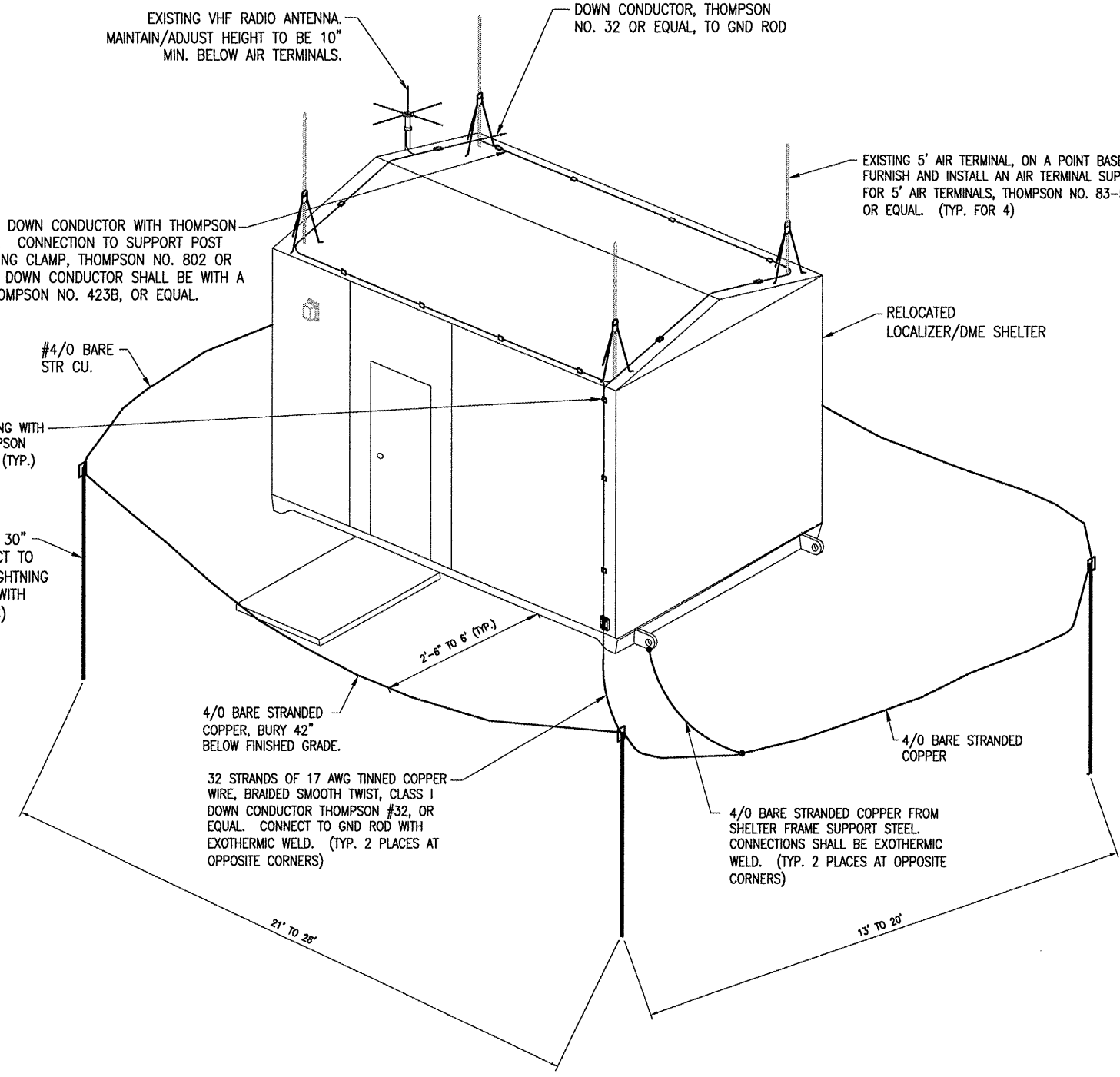
Sheet Title

**RUNWAY 2
LOCALIZER/DME
SHELTER LIGHTNING
PROTECTION DETAILS**

07A0166
Project Number
KNL 11/26/03
Layout By Date
KNL 11/26/03
Designed By Date
RMH 03/20/08
Reviewed By Date
MV
Drawn By Sheet No.

NOTES

- LIGHTNING PROTECTION SHALL BE INSTALLED IN COMPLIANCE WITH THE LATEST EDITION OF STANDARD FOR THE INSTALLATION OF LIGHTNING PROTECTION SYSTEMS NFPA 780, AND FAA-STD 019e, DECEMBER 22, 2005 "LIGHTNING AND SURGE PROTECTION PROTECTION, GROUNDING, BONDING AND SHIELDING REQUIREMENTS FOR FACILITIES AND ELECTRONIC EQUIPMENT". CONTRACTOR SHALL CONFIRM ALL EQUIPMENT PART NUMBERS WITH THE RESPECTIVE LIGHTNING PROTECTION SYSTEM MANUFACTURER/SUPPLIER AND SHALL CONFIRM EQUIPMENT IS SUITABLE FOR THE RESPECTIVE APPLICATION.
- CLEAN BONDING SURFACES UNDER CLAMPS AND BRACKETS TO BARE METAL, SECURE HARDWARE AND WATERPROOF WITH SILICONE SEALING COMPOUND. ALL MOUNTING BOLTS TO THE SHELTER SHALL BE STAINLESS STEEL & SEALED WITH SILICONE SEALING/CAULKING COMPOUND. CONFIRM TYPE OF RECOMMENDED SEALING COMPOUND WITH THE BLDG MFR, REIFF MFG, PHONE: 509-525-1081.
- ALL DOWN LEADS SHALL BE PROTECTED WITH SCHEDULE 40 PVC MINIMUM WHERE APPLICABLE.
- AIR TERMINALS MUST EXTEND 10" MIN. ABOVE VHF COMM ANTENNA.
- MINIMUM SPACING BETWEEN GROUND RODS SHALL BE 12'.
- ALL BELOW GROUND CONNECTIONS SHALL BE EXOTHERMICALLY WELDED TYPE CONNECTIONS, CADWELD OR THERMOWELD. CONFIRM PROPER MOLDS ARE PROVIDED FOR THE RESPECTIVE CONDUCTORS AND APPLICATIONS.
- SEE ELEVATION VIEWS FOR SECONDARY BONDING OF EXTERIOR MOUNTED EQUIPMENT TO THE LIGHTNING PROTECTION SYSTEM.
- REFERENCES TO "THOMPSON" ARE THOMPSON LIGHTNING PROTECTION, INC., 901 SIBLEY HIGHWAY, ST. PAUL, MINNESOTA 55118-1792, PHONE 1-800-777-1230 OR 612-455-7661.
- LIGHTNING ROD/AIR TERMINALS SHALL BE MOUNTED TO BE VERTICAL. ADJUST BASES WHERE APPLICABLE TO MOUNT AIR TERMINALS VERTICAL. EXISTING LIGHTNING RODS/AIR TERMINALS ON SHELTER ARE MISSING THE AIR TERMINAL SUPPORTS. PROVIDE AN AIR TERMINAL SUPPORT FOR 5' AIR TERMINALS, THOMPSON NO. 83-5, OR EQUAL FOR EACH AIR TERMINAL.



RUNWAY 2 LOCALIZER/DME SHELTER LIGHTNING PROTECTION SYSTEM DETAIL

NOT TO SCALE