

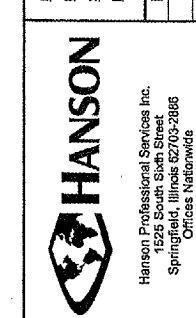
DATE	
REVISION	

CARMi MUNICIPAL AIRPORT
CARMi, ILLINOIS

IL PROJ.: CUL-3883
A.I.P. PROJ.: 3-17-0109-B7

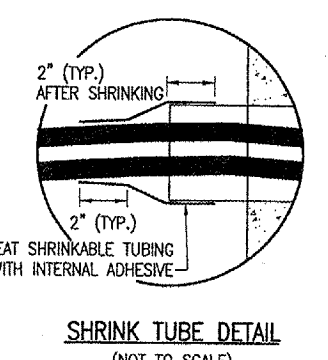
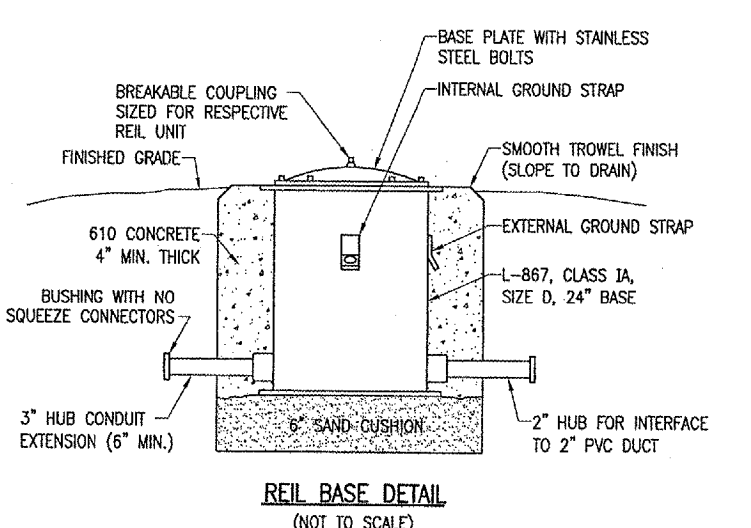
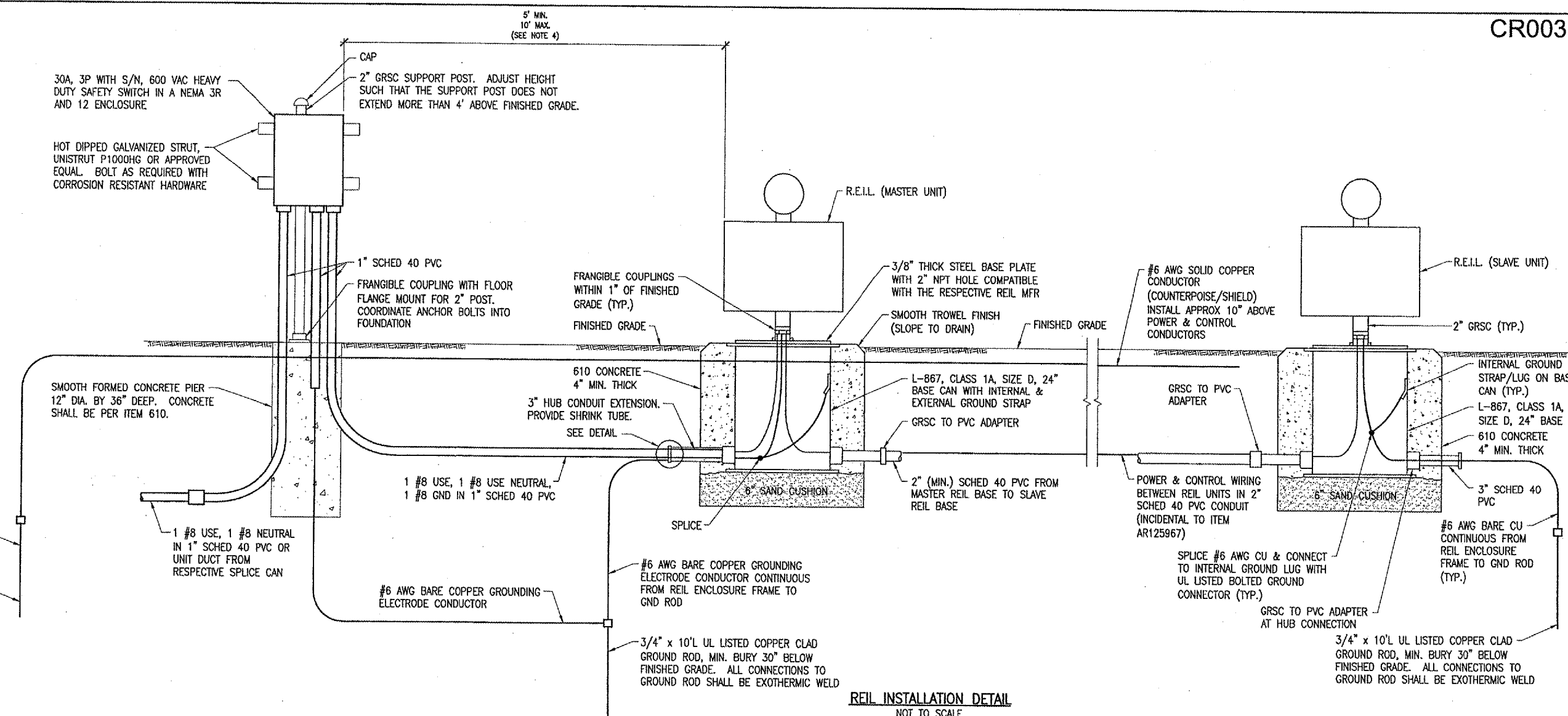
REVISED	CAH	03/27/07
DRAWN	MV	02/19/07
LAYOUT	KNL	02/16/07

ILL. Project No. 801-077XVD 0800
 E-502.DWG
 Scale NONE
 Date 02/16/07



EXTEND PARTIAL
PARALLEL TAXIWAY

REIL
INSTALLATION
DETAILS



REIL INSTALLATION DETAIL
NOT TO SCALE

REIL RELOCATION NOTES

1. THE EXISTING REILS ARE GODFREY ENGINEERING PART NO. GE420-100F. THE MANUFACTURER IS NO LONGER IN BUSINESS. CONTRACTOR SHALL CONFIRM & RECORD EXISTING WIRING & CONNECTIONS PRIOR TO RELOCATING REIL UNITS. VERIFY INSTALLATION & WIRING REQUIREMENTS WITH THE RESPECTIVE REIL MANUFACTURER'S INSTRUCTIONS.
2. THE PROPOSED 120 VAC POWER CABLES FROM THE EXISTING SPLICE CAN TO THE SAFETY SWITCH AT THE MASTER REIL UNIT SHALL BE 2-1/C #8 XLP-USE 600V UG CABLE (HOT & NEUTRAL) IN 1" UNIT DUCT OR SCHED 40 PVC CONDUIT. THE PROPOSED 120 VAC POWER CABLES FROM THE SAFETY SWITCH TO THE REIL MASTER UNIT SHALL BE 3-1/C #8 XLP-USE 600V UG CABLE (HOT, NEUTRAL, & GND) IN 1" SCHED 40 PVC CONDUIT. THE CONTRACTOR SHALL ALSO FURNISH AND INSTALL THE POWER AND CONTROL CABLES BETWEEN THE MASTER AND SLAVE REIL UNITS. THE SIZE, TYPE AND NUMBER OF CABLES TO BE INSTALLED BETWEEN THE REIL UNITS SHALL BE AS DETAILED HEREIN AND PER THE MANUFACTURER'S RECOMMENDATIONS. THE CABLE WILL BE TRENCHED AT A MINIMUM DEPTH OF 18". ALL POWER, CONTROL, & GROUNDING CONDUCTORS WILL BE INCIDENTAL TO ITEM AR125967 RELOCATE REILS.
3. ANY AND ALL TRENCHES AND DISTURBED AREAS WILL BE BACKFILLED AND RESTORED TO A SMOOTH GRADE AND SEEDED TO THE SATISFACTION OF THE ENGINEER. ALL TRENCH SETTLEMENT SHALL BE CORRECTED FOR A PERIOD OF ONE YEAR. RESTORATION, GRADING, AND SEEDING OF AREAS DISTURBED DURING THE REIL RELOCATION AND INSTALLATION OF THE PROPOSED CABLE WILL BE INCIDENTAL TO ITEM AR125967 RELOCATE REILS.
4. SAFETY SWITCH FOR REILS SHALL BE LOCATED OUTSIDE OF THE RUNWAY SAFETY AREA (80' MIN. PERPENDICULAR FROM RUNWAY PAVEMENT EDGE).
5. REILS SHALL BE AIMED AT ANGLE 10 DEGREES VERTICALLY AND TOED OUT 15 DEGREES FROM THE LINE PARALLEL TO THE RUNWAY CENTERLINE.
6. RELOCATION OF REILS SHALL BE PAID FOR UNDER ITEM AR125967 RELOCATE REILS - PER PAIR.

NOTE:
FOR THE PURPOSE OF ENHANCING SAFETY, EACH BASE MUST HAVE INSTALLED, BY THE MANUFACTURER, AN INTERNAL AND EXTERNAL GROUND STRAP THAT IS AVAILABLE FOR THE PURPOSE OF ATTACHING A GROUND LUG THAT IS CONNECTED TO AN EARTH GROUND OR A SAFETY GROUND CONDUCTOR INSTALLED WITH THE RESPECTIVE CIRCUIT. FOR AIRPORT PROJECTS RECEIVING FEDERAL FUNDS THIS REQUIREMENT IS MANDATORY PER FAA AC 150/5345-42F.

APR 27, 2007 7:45 AM BAK I:\AIRPORTS\CARMi\801-077XVD\AIRPORT SHEETS\E-502.DWG - Work