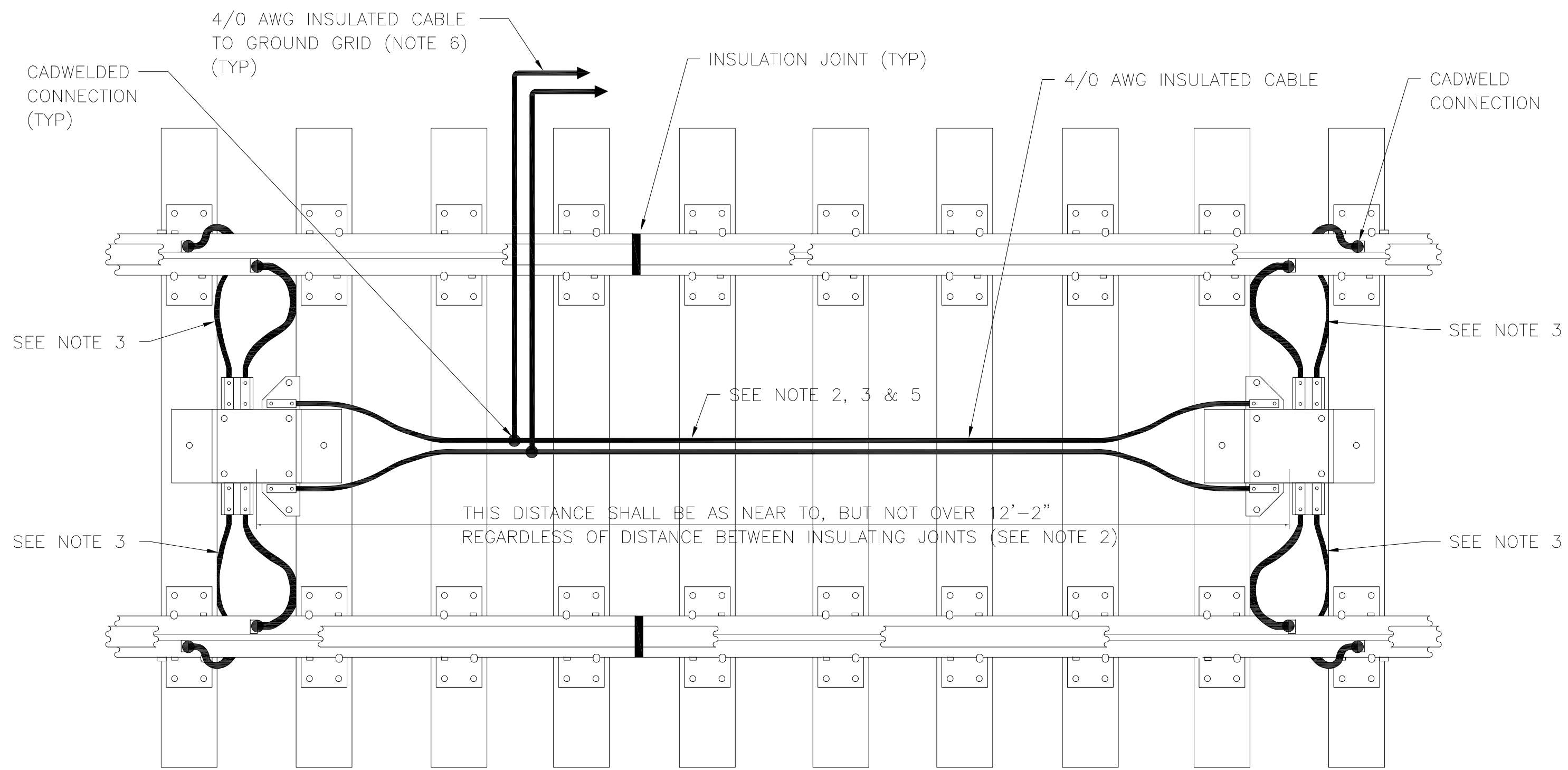
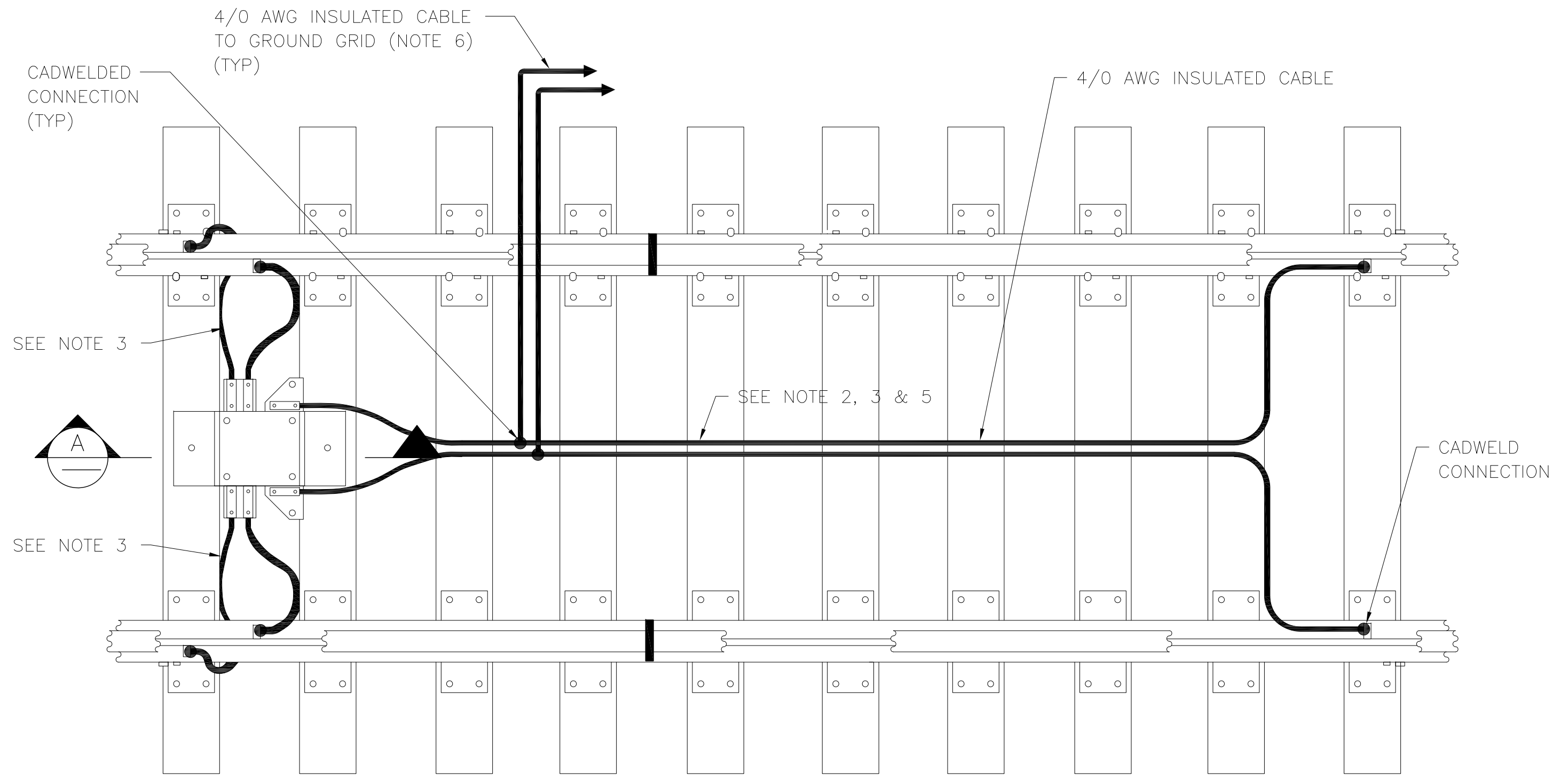


PLOTTED BY: PAULRI PLOTTED DATE: 2015/04/02 PAPER SIZE AT FULL: ANSI D (22.00 x 34.00 INCHES) FILE: \\FILE-RGDC01\DEPT\GOIC\07 PROGRAM MANAGEMENT & STANDARDS\PMPS DESIGN STANDARDS\7 REFERENCE MATERIAL\24 ELECTRIFICATION\GROUNDING AND BONDING STANDARD DRAWINGS\MXD-100-006.DWG



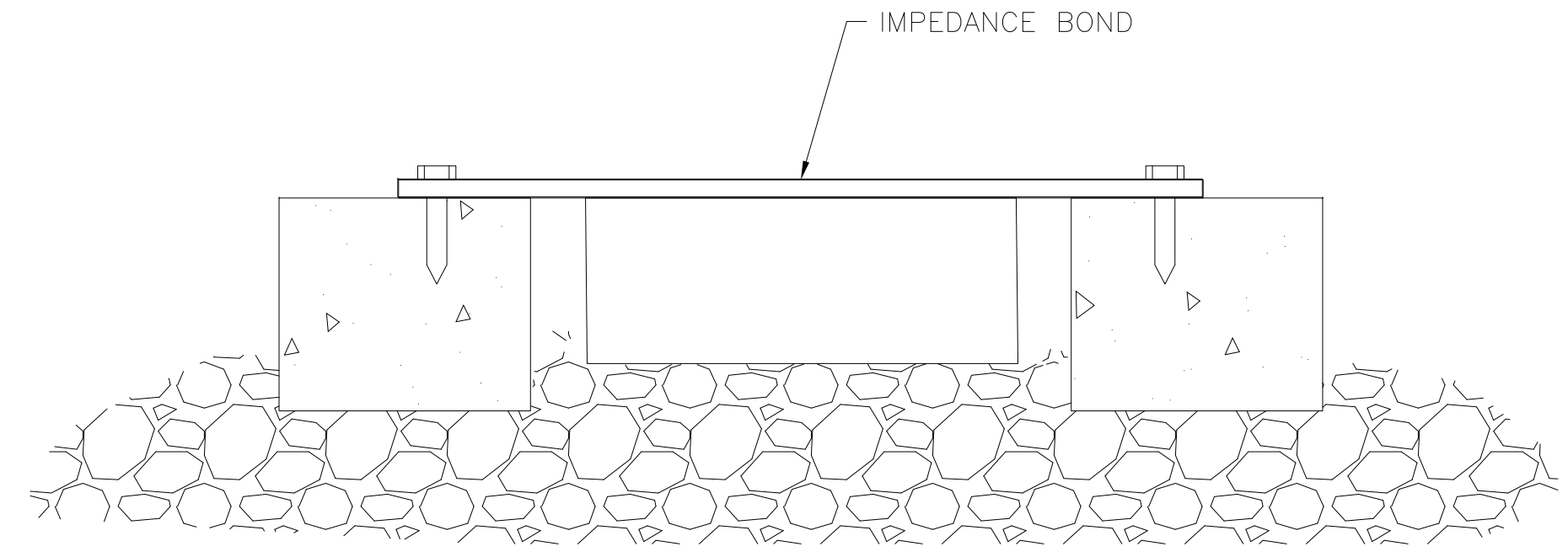
DETAIL 1 - TRACK CIRCUIT ON BOTH SIDES OF INSULATED JOINTS



DETAIL 2 - TRACK CIRCUIT ONE SIDE OF INSULATED JOINTS

NOTES:

1. WHEN INSTALLING, SUFFICIENT SLACK MUST BE LEFT IN CONNECTIONS TO PREVENT STRAIN.
2. APPEARANCE OF TRACK COMPONENTS AND TIE SPACING MAY VARY BETWEEN INDIVIDUAL SUPPLIERS AND TIE TYPES.
3. SHAPE WIRE CLOSELY TO TIE, TO AVOID DAMAGE BY TEMPER.
4. THE MEASUREMENTS ON THE DRAWING ARE AS PER MANUFACTURERS DESIGN AND RECOMMENDATION.
5. CABLE SIZE AND QUANTITY MUST BE CONFIRMED WITH LOAD FLOW ANALYSIS.
6. 4/0 GROUND WIRES CONNECTED TO GROUND GRID WHEN IMPEDANCE BOND INSTALLED IN STATION. FOR OTHER IMPEDANCE BONDS GROUND WIRES MUST BE CONNECTED TO STATIC WIRE.
7. ALL CABLES TO BE HEAVY DUTY, INSULATION RATING TO BE DETERMINED BY DETAIL DESIGN.



DETAIL A

NOTE: THIS DRAWING IS PROVIDED FOR INSTRUCTIONAL DESIGN PURPOSES ONLY BASED ON METROLINX GO TRANSIT DESIGN GUIDELINES AND REQUIREMENTS. THE CONSULTANT SHALL VERIFY FOR LOCAL CODE COMPLIANCE, EXISTING SITE CONDITIONS AND INTER DISCIPLINARY DRAWING COORDINATION. ALL DIMENSIONS AND SPECIFICATIONS SHOULD BE VERIFIED BY CONSULTANT AND/OR CONTRACTOR BEFORE ACTUAL CONSTRUCTION BEGINS.

REF. NO.	REFERENCE DRAWINGS	ISSUE	REVISIONS
2	15/04/06	FINAL DESIGN	
1	15/03/06	100% DESIGN	
0	15/02/09	90% DESIGN	

DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE

DRAWN BY: RCW 15/01/13	DESIGNED BY: SXF 15/01/13
CHECKED BY: CTG 15/01/16	APPROVED BY: ZBT 15/01/16
SCALE: NTS	FULL SIZE ONLY



TRACTION ELECTRIFICATION GROUNDING AND BONDING DIRECTIVE INSTALLATION DESIGN DETAILS IMPEDANCE BONDS			
CONTRACT NO. RQ-2011-PP-032	DWG. NO. MXD-100-006	REV. 0	SHEET 26/26