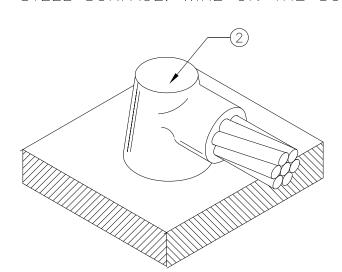
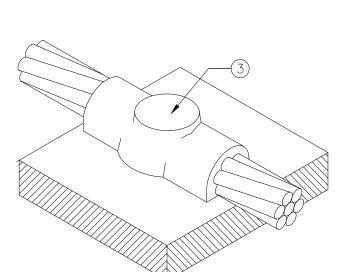


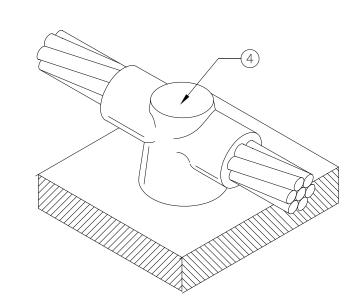
DETAIL 1A — HORIZONTAL WIRE TAP TO A HORIZONTAL STEEL SURFACE. WIRE ON THE SURFACE.



DETAIL 1B — HORIZONTAL WIRE TAP TO A HORIZONTAL STEEL SURFACE. WIRE OFF THE SURFACE.



DETAIL 1C — HORIZONTAL THROUGH WIRE TO A HORIZONTAL STEEL SURFACE. WIRE ON THE SURFACE.



ITEM

10

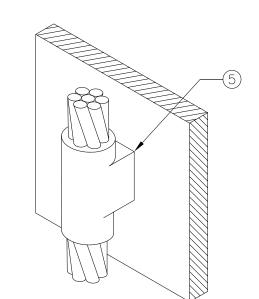
QTY

DETAIL 1D - HORIZONTAL THROUGH WIRE TO A HORIZONTAL STEEL SURFACE. WIRE OFF THE SURFACE.

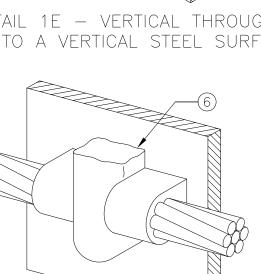
WIRE DOWN AT 45 DEGREES TO A VERTICAL STEEL SURFACE.

VERTICAL WIRE TAP UP TO A VERTICAL STEEL SURFACE.

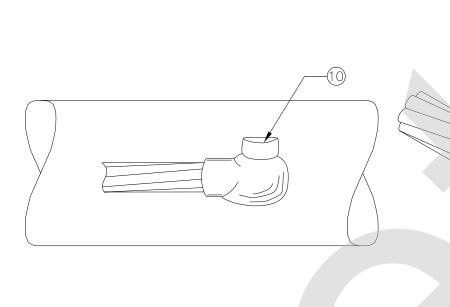
HORIZONTAL WIRE TAP TO A VERTICAL STEEL SURFACE. WIRE ON THE SURFACE.



DETAIL 1E - VERTICAL THROUGH WIRE TO A VERTICAL STEEL SURFACE.

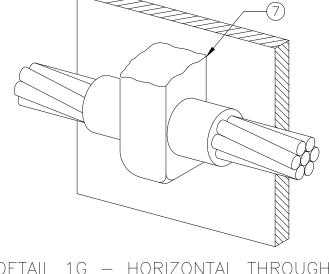


DETAIL 1F — HORIZONTAL THROUGH WIRE TO A VERTICAL STEEL SURFACE. WIRE ON THE SURFACE.

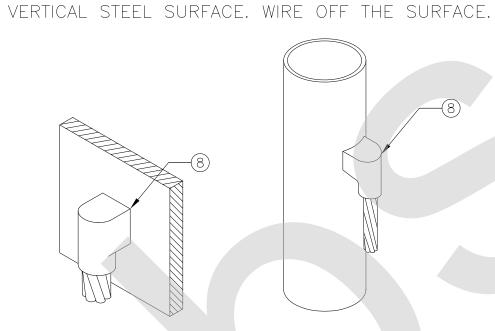


DETAIL 1J — HORIZONTAL TAP WIRE TO A VERTICAL STEEL SURFACE. WIRE ON THE SURFACE.

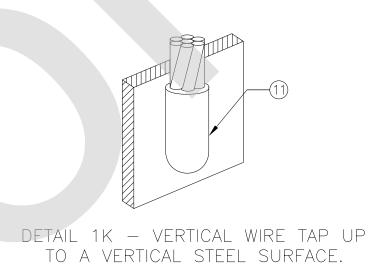
DETAIL 11 - WIRE DOWN AT 45 DEGREES TO A VERTICAL STEEL SURFACE.



DETAIL 1G - HORIZONTAL THROUGH WIRE TO A



DETAIL 1H - VERTICAL WIRE TAP TO A VERTICAL STEEL SURFACE.



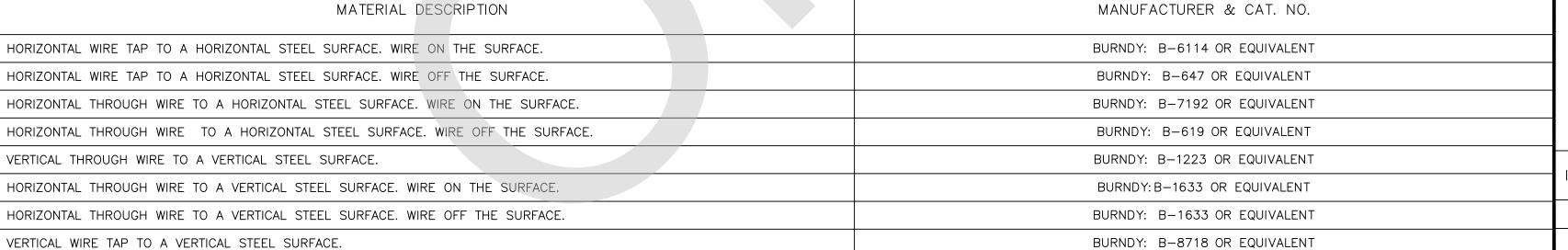
BURNDY: B-593 OR EQUIVALENT

BURNDY: B-9253 OR EQUIVALENT

BURNDY: B-1643 OR EQUIVALENT

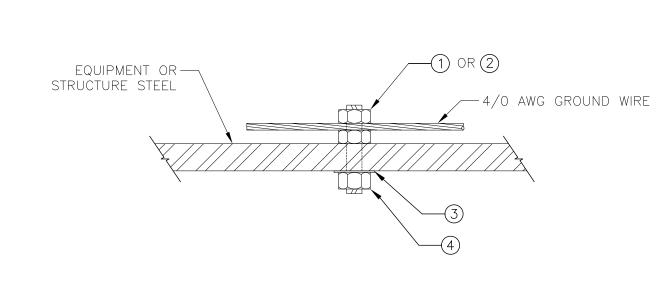
THIS DRAWING IS PROVIDED FOR INSTRUCTIONAL DESIGN PURPOSES ONLY BASED ON METROLINX GO TRANSIT DESIGN GUIDELINES AND REQUIREMENTS. THE CONSULTANT SHALL VERIFY FOR LOCAL CODE COMPLIANCE, EXISTING SITE CONDITIONS AND INTER DISCIPLINARY DRAWING COORDINATION. ALL DIMENSIONS AND SPECIFICATIONS SHOULD BE VERIFIED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

DETAIL 1 - GROUND WIRE TO PLATE EXOTHERMIC CONNECTION



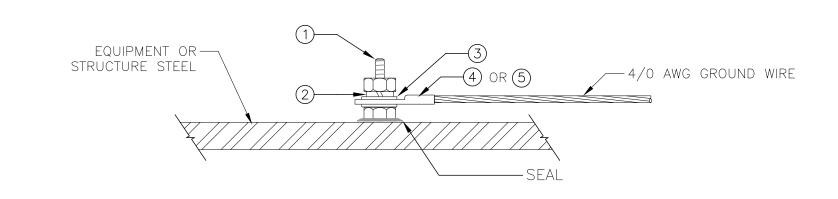
PLOTTED T/GO/CI/07	REFERENCE DRAWINGS	ISSUE REVISIONS	DRAWN BY: DESIGNED BY:
PLO- 7\G0			RCW SXF 14/12/11 14/12/11
-RI 1\DEP		3 15/04/06 FINAL DESIGN	CHECKED BY: APPROVED BY: CTG 7BT
: PAUI GDC0	DWG NO. TITLE	2 15/03/06 100% DESIGN	15/01/16 15/01/16
OBY LE-P		1 15/02/09 90% DESIGN	SCALE: NTS FULL SIZE ONLY
TTE		0 15/01/16 60% DESIGN	
일빌	DWG NO. TITLE	NO. DATE SSUED FOR REV. DATE	





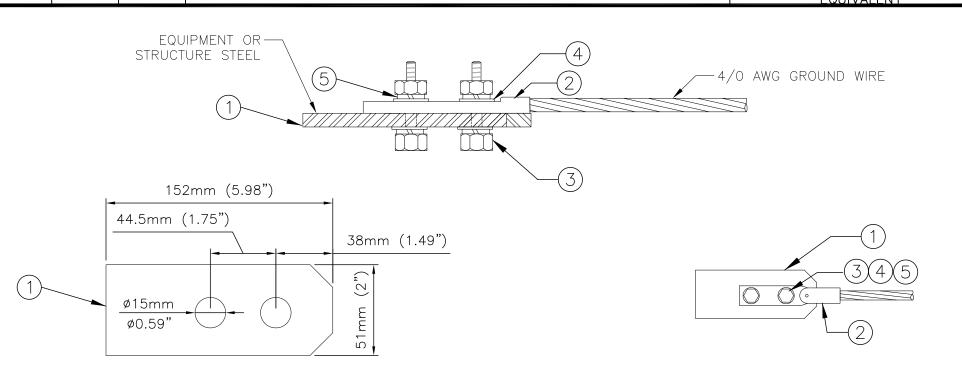
<u>detail 2 — ground wire to plate c/w servit post connection</u>

	ITEM	QTY	UNIT	MATERIAL DESCRIPTION	MANUFACTURER & CAT. NO.
	1	1	EA	CONNECTOR SERVIT POST - KC28	BURNDY: KC28 OR EQUIVALENT
	2	1	EA	CONNECTOR SERVIT POST - K2C28	BURNDY: K2C28 OR EQUIVALENT
	3	2	EA	1/2" LOCKWASHER, BRONZE	(GENERIC)
	4	1	EA	NUT MACH BRONZE 1/2"-16	(GENERIC)



<u>detail 3 — Welded Stud Connection to Structural Steel</u>

ITEM	QTY	UNIT	MATERIAL DESCRIPTION	MANUFACTURER & CAT. NO.
1	1	EA	BOLT, HEX, SS, 1/2"-13 NC x 1", A304/A316)	
2	1	EA	WASHER, SPRING (LOCK), SS, 1/2", A304/A316	(GENERIC)
3	2	EA	WASHER, FLAT, SS, 1/2", A304/A316	
4	1	EA	TERMINAL 1 HOLE FOR 2 AWG WIRE	BURNDY: YA2CL6-BOX OR EQUIVALENT
5	1	EA	TERMINAL 1 HOLE FOR 4/O AWG WIRE	BURNDY: YA28L-BOX OR



DETAIL 4 - STEEL PLATE TO GROUND LOOP COMPRESSION CONNECTION

TEM	QTY	UNIT	MATERIAL DESCRIPTION	MANUFACTURER & CAT. NO.
1	1	EA	PLATE, STEEL, A-36, 1/4" (6.35mm) THK, 6"x2" (152 x 51mm) (GENERIC ORDER BY DESCRIPTION)	(GENERIC)
2	1	EA	TERMINAL, 2 HOLE, SEE DRAWING MXS-100-001 DETAIL 5	BURNDY: YGHA2C-2N OR EQUIVALENT
3	2	EA	BOLT, HEX HEAD, 1/2"-13x1", SS W/NUT	
4	4	EA	WASHER, FLAT, SS, 1/2", A304/A316	(GENERIC)
5	4	EA	WASHER, SPRING (LOCK), SS, 1/2", A304/A316	



TRACTION ELECTRIFICATION GROUNDING AND BONDING STANDARD INSTALLATION DESIGN DETAILS

CONNECTIONS TO STEEL PLATE						
CONTRACT NO.	DWG. NO.	REV.	SHEET			
RQQ-2011-PP-032	MXS-100-003	0	6/26			