#### NOTES:

1. STEEL STRUCTURE MUST BE CONNECTED TO THE GROUNDING SYSTEM. THIS CONNECTION WILL BE MADE IN A COMMENT LOCATION AS DETERMINED BY THE CONTRACTOR ON SITE.

NOTES:

ITEM

QTY

UNIT

EΑ

EΑ

SPECIFICATION.

1. GROUNDING EQUIPMENT CONNECTED TO WI-FI ROUTERS AND ANTENNAS PER MANUFACTURERS

2. STEEL STRUCTURE MUST BE CONNECTED TO THE GROUNDING SYSTEM. THIS CONNECTION WILL

DETAIL 2 - GROUNDING CONNECTION TO WIFL

ROUTERS AND ANTENNAS (ACCESS POINTS)

MATERIAL DESCRIPTION

FLEXIBLE COPPER BRAID

BOLT, HEX, SS, 3/8"-16 x 1", A304/A316 W/NUT

WASHER, SPRING (LOCK), STAINLESS, 3/8,

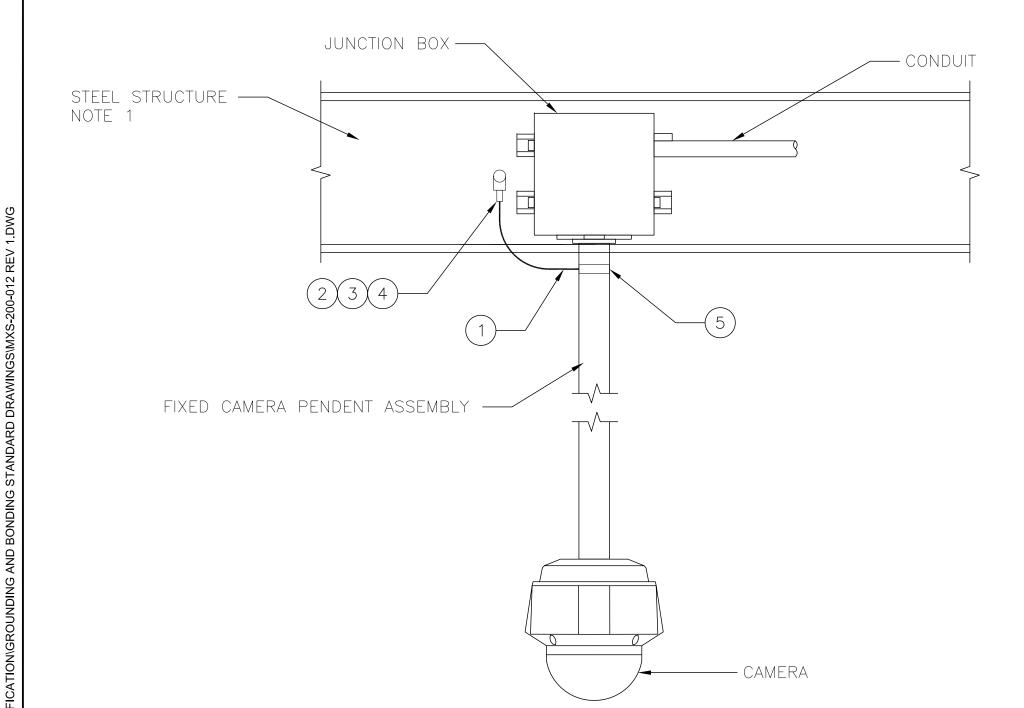
A304/A316

BE MADE IN A COMMENT LOCATION AS DETERMINED BY THE CONTRACTOR ON SITE.

NOTE 1-

STEEL STRUCTURE

NOTE 2



## DETAIL 1 - GROUNDING CONNECTION TO CCTV CAMERAS

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.

EΑ

EΑ

EΑ

ITEM QTY UNIT MATERIAL DESCRIPTION MANUFACTURER & CAT. NO.

FLEXIBLE COPPER BRAID

BOLT, HEX, SS, 3/8"-16 x 1", A304/A316 W/NUT

WASHER, SPRING (LOCK), STAINLESS, 3/8, A304/A316

WASHER, FLAT, SS, 3/8", A304/A316

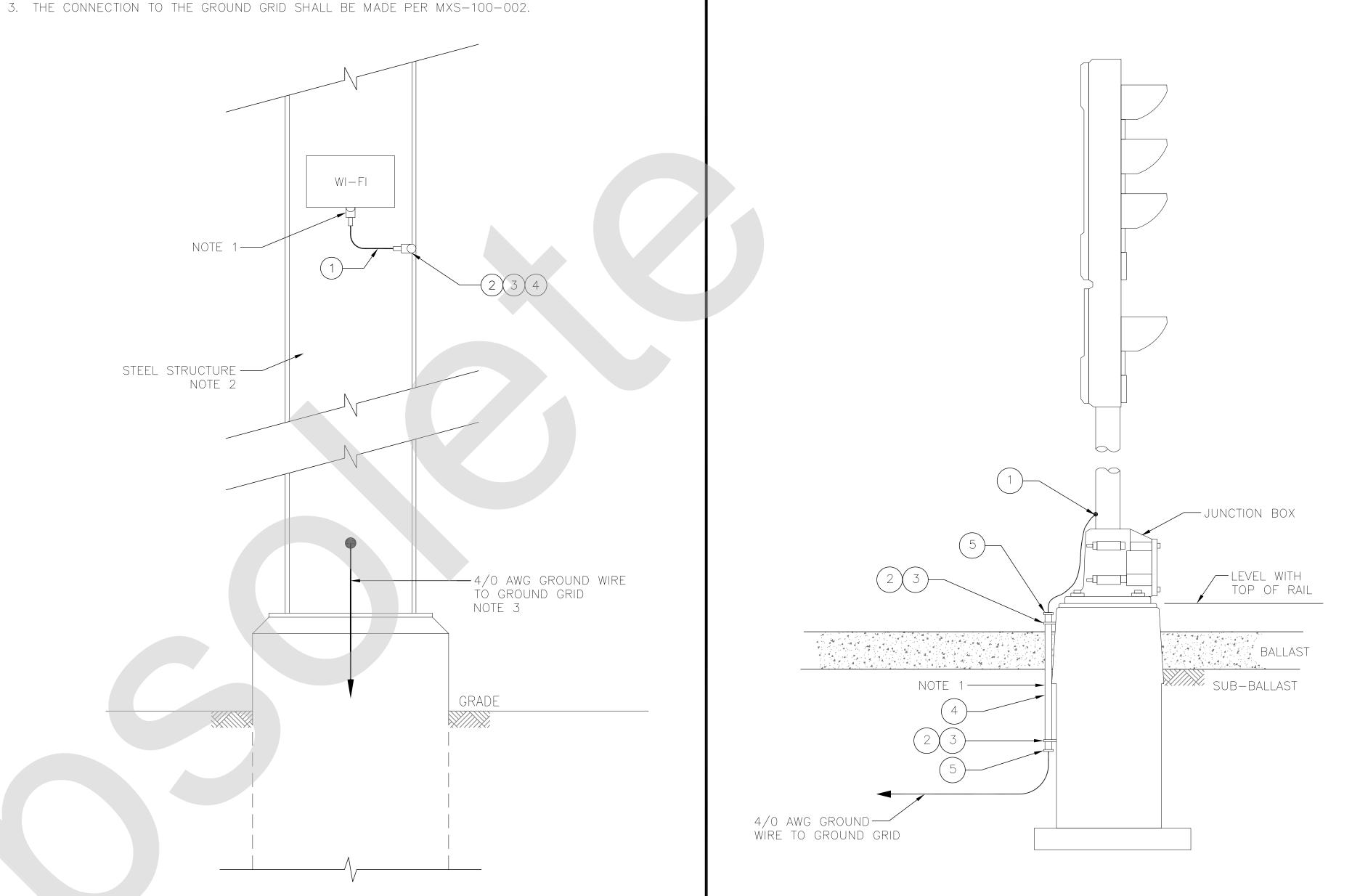
BURNDY: GAR1829 OR WASHER, FLAT, SS, 3/8", A304/A316 EΑ WIRE TO 2" PIPE CONNECTION EQUIVALENT DRAWN BY: DESIGNED BY: REFERENCE DRAWINGS REVISIONS ISSUE RCW 14/12/11 14/12/11 CHECKED BY: PPROVED BY: | 15/04/06 | FINAL DESIGN CTG 15/01/16 ZBT 15/01/16 15/03/06 | 100% DESIGN FULL SIZE ONLY SCALE: NTS | 15/02/09 | 90% DESIGN 0 | 15/01/16 | 60% DESIGN 1 | 15/04/15 | REVISED NOTE 1 DETAIL 3 TITLE NO. DATE ISSUED FOR DWG NO. ev. Date

BURNDY: BD12 OR EQUIVALENT

(GENERIC)

### NOTES:

1. CONDUITS SHALL BE TERMINATED SAME LEVEL AS FOUNDATION ABOVE GRADE. CONDUIT DERTHUSHALL BE SUCH THAT THE GROUND WIRE IS PROTECTED FROM DAMAGE AND CAN BE CONNECTED TO THE GROUND GRID. THE DEPTH WILL BE DETERMINED BASED ON LOCAL SITE CONDITIONS. CONDUIT SHALL BE CAPPED UNTIL GROUNDING CONDUCTOR IS INSTALLED.



## <u>DETAIL 3 - GROUNDING CONNECTION TO</u> SIGNALING AND COMMUNICATION EQUIPMENT

POINTS)						
		ITEM	QTY	UNIT	MATERIAL DESCRIPTION	MANUFACTURER & CAT. NO.
	MANUFACTURER & CAT. NO.	1	1	EA	VERTICAL CABLE TO VERTICAL STEEL SURFACE EXOTHERMIC CONNECTION	BURNDY: B-8718 OR EQUIVALENT
	BURNDY: BD12 OR EQUIVALENT	2	2	EA	ANCHOR, SS 304,316	HILTI: KB3 1/4" X 2-1/4" OR EQUIVALENT
Γ		3	2	EA	27mm (1") CONDUIT CLAMP 1-HOLE	T&B: 1278 OR EQUIVALENT
	(GENERIC)	4	PER DESIGN	N/A	27mm (1") CONDUIT	(GENERIC)
		5	2	EA	BUSHING	(GLIVEINIC)

# PARSONS BRINCKERHOFF **METROLINX**

TRACTION ELECTRIFICATION GROUNDING AND BONDING

STANDARD INSTALLATION DESIGN DETAILS LECTRONIC EQUIPMENT NOT ACCESSIBLE TO THE PUBLIC

CONTRACT NO. DWG. NO. REV. SHEET 20/26 MXS-200-012 RQQ-2011-PP-032