

1. REFER TO MXS-200-006 FOR DETAIL OF GROUNDING CONNECTIONS TO FENCE GATE.



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.

| ITEM               | QTY   | UNIT | MATERIAL DESCRIPTION                                                     |          |              |  | MANUFACTURER & CAT. NO.      |      |                        |             |              |              |
|--------------------|-------|------|--------------------------------------------------------------------------|----------|--------------|--|------------------------------|------|------------------------|-------------|--------------|--------------|
| 1                  | 2     | EA   | COPPER CLAD STEEL GROUND ROD 3MX20MM                                     |          |              |  | (GENERIC)                    |      |                        |             |              |              |
| 2                  | 2     | EA   | HORIZONTAL PARALLEL RUN 4/0 WIRE TO GROUND ROD                           |          |              |  | BURNDY: B-5677 OR EQUIVALENT |      |                        |             |              |              |
| 3                  | 4     | EA   | HORIZONTAL 4/0 WIRE TAP TO HORIZONTAL 4/0 WIRE RUN EXOTHERMIC CONNECTION |          |              |  | BURNDY: B-241 OR EQUIVALENT  |      |                        |             |              |              |
| REFERENCE DRAWINGS |       |      | ISSUE                                                                    |          |              |  | REVISIONS                    |      |                        |             | DRAWN BY:    | DESIGNED BY: |
|                    |       |      |                                                                          |          |              |  |                              |      |                        | SB          | SW           |              |
|                    |       |      |                                                                          |          |              |  |                              |      |                        | 14/12/11    | 14/11/11     |              |
|                    |       |      | 3                                                                        | 15/04/06 | FINAL DESIGN |  |                              |      |                        | CHECKED BY: | APPROVED BY: |              |
|                    |       |      | 2                                                                        | 15/03/06 | 100% DESIGN  |  |                              |      |                        | CTG         | ZE           |              |
|                    |       |      | 1                                                                        | 15/02/09 | 90% DESIGN   |  |                              |      |                        | 15/01/16    | 15/01/16     |              |
|                    |       |      | 0                                                                        | 15/01/16 | 60% DESIGN   |  |                              |      |                        | SCALE: NTS  | FULL SIZE    |              |
| DWG NO.            | TITLE |      | NO.                                                                      | DATE     | ISSUED FOR   |  | REV.                         | DATE | REVISED DETAIL 1 AND 2 |             |              |              |

1. REFER TO MXS-200-006 FOR DETAIL OF GROUNDING CONNECTIONS TO FENCE GATE.
2. REFER TO MXS-200-006 FOR DETAIL OF GROUNDING CONNECTIONS TO FENCE POST.



| ITEM | QTY | UNIT | MATERIAL DESCRIPTION                                                     | MANUFACTURER & CAT. NO.      |
|------|-----|------|--------------------------------------------------------------------------|------------------------------|
| 1    | 2   | EA   | COPPER CLAD STEEL GROUND ROD 3MX20MM                                     | (GENERIC)                    |
| 2    | 2   | EA   | HORIZONTAL PARALLEL RUN 4/0 WIRE TO GROUND ROD                           | BURNDY: B-5677 OR EQUIVALENT |
| 3    | 4   | EA   | HORIZONTAL 4/0 WIRE TAP TO HORIZONTAL 4/0 WIRE RUN EXOTHERMIC CONNECTION | BURNDY: B-241 OR EQUIVALENT  |

D BY:  
KF  
2/11

ED BY:  
BT  
1/16

E ONLY





## TRACTION ELECTRIFICATION

### GROUNDING AND BONDING

STANDARD INSTALLATION DESIGN DETAILS

FENCE GATE GROUND LOOPS

|                                 |                         |           |                |
|---------------------------------|-------------------------|-----------|----------------|
| CONTRACT NO.<br>RQQ-2011-PP-032 | DWG. NO.<br>MXS-200-007 | REV.<br>1 | SHEET<br>15/26 |
|---------------------------------|-------------------------|-----------|----------------|