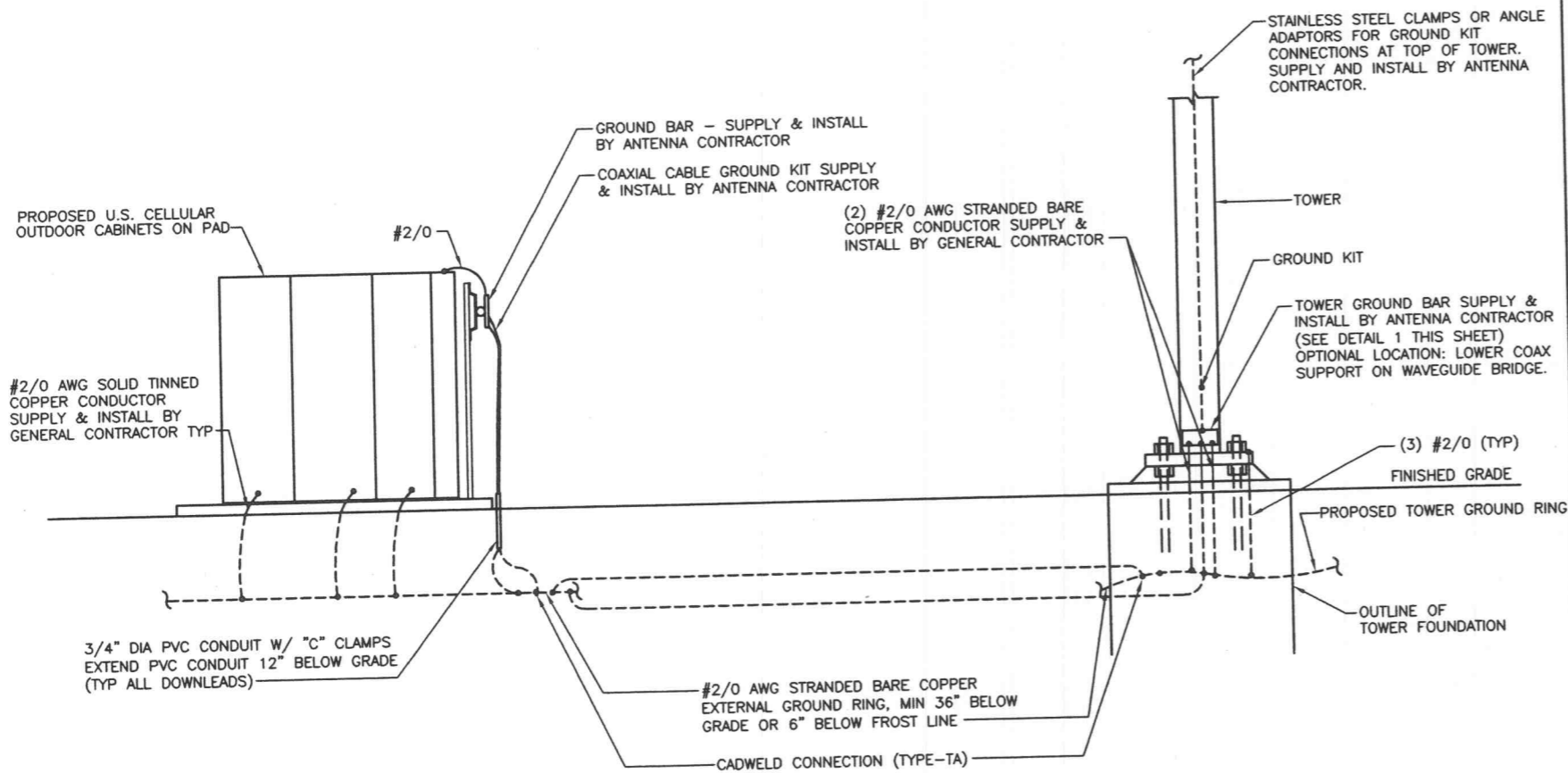


NOTE:
ALL DOWNLEADS IN 3/4" PVC
WITH SEALOUT TO 12" BELOW GRADE

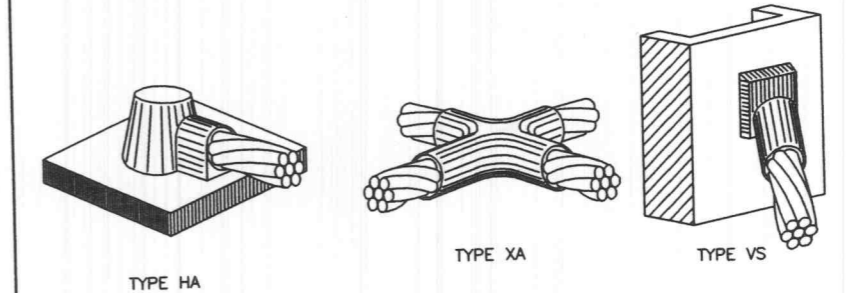
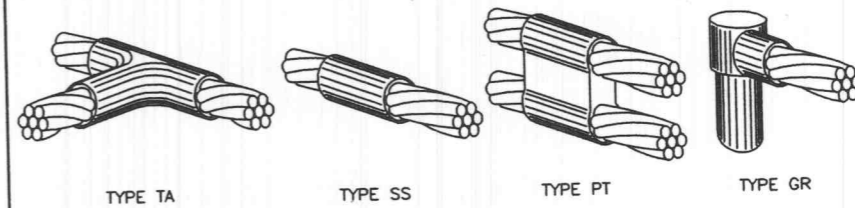
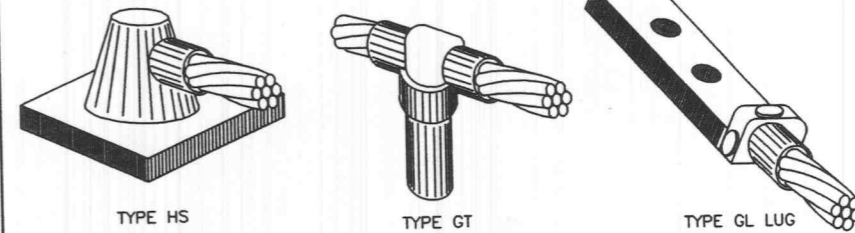


GROUNDING SYSTEM:

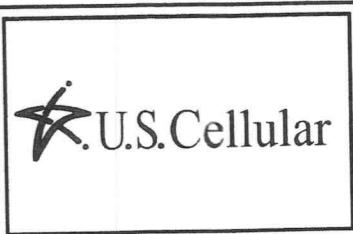
1. SCOPE:
THIS SECTION COVERS THE SPECIFICATIONS FOR CELL SITE GROUNDING. THE AREAS OF FOCUS ARE: TOWER, EQUIPMENT, AND INSTALLATION METHODS.
2. GENERAL:
 - 2.1 ALL GROUND RODS SHALL BE 3/4" SOLID COPPER 10 FEET LONG. GROUND RODS SHALL BE EQUALLY SPACED AT 8 FOOT TO 10 FOOT INTERVALS. REFER TO SITE GROUNDING PLAN FOR DETAILS AND PLACEMENT WITHIN THE GROUNDING.
 - 2.2 GROUNDING SYSTEM SHALL BE MEGGER TESTED TO ASSURE SATISFYING 1 OHMS OR LESS RESISTANCE UNLESS OTHERWISE SPECIFIED. WRITTEN TEST REPORTS SHALL BE SUBMITTED TO THE USCC PROJECT MANAGER WITHIN SEVEN (7) DAYS OF TESTING.
 - 2.3 ALL CADWELD CONNECTIONS TO GALVANIZED MATERIAL SHALL BE PROPERLY PREPARED TO ASSURE A SATISFACTORY CADWELD. THE CADWELD CONNECTION SHALL BE COATED WITH A COLD GALVANIZING SPRAY TO PREVENT CORROSION.
3. INSTALLATION:
 - 3.1 ALL ABOVE AND BELOW GROUND CONNECTIONS SHALL BE CADWELD UNLESS OTHERWISE INDICATED. NO ALUMINUM CONNECTORS SHALL BE USED.
 - 3.2 NO RIGHT-ANGLE CADWELD CONNECTION (OTHER THAN THE GROUND RODS TO GROUND RING CONNECTION) SHALL BE USED. ALL WIRE-TO-WIRE CONNECTIONS SHALL UTILIZE "Y-TYPE" CONNECTIONS.
 - 3.3 ALL UNDERGROUND WELDS SHALL BE INSPECTED BY USCC PERSONNEL PRIOR TO THE COVERING AND COMPACTION ON OF THE SOIL.
 - 3.4 ALL VERTICAL JUMPERS SHALL NOT BE WELDED WITHIN TWO (2) FEET OF THE GROUND ROD.

GROUNDING NOTES

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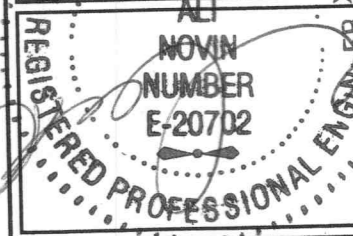


CADWELD DETAILS



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A Site Acquisition, Engineering and Construction Quality Assurance Company
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TOLL FREE: 888-888-8600



DRAMA BY: HAN
CHECKED BY: HAN

SUBMITTALS		
A	05/23/06	ISSUED FOR REVIEW ANP
0	05/25/06	ISSUED FOR CONSTRUCTION ANP

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SITE NAME
MEXICO AND HIGHWAY K
8621-8635 MEXICO ROAD
O'FALLON, MISSOURI 63304

SHEET TITLE
GROUNDING DETAILS (1 OF 2)

SHEET NUMBER
G-2