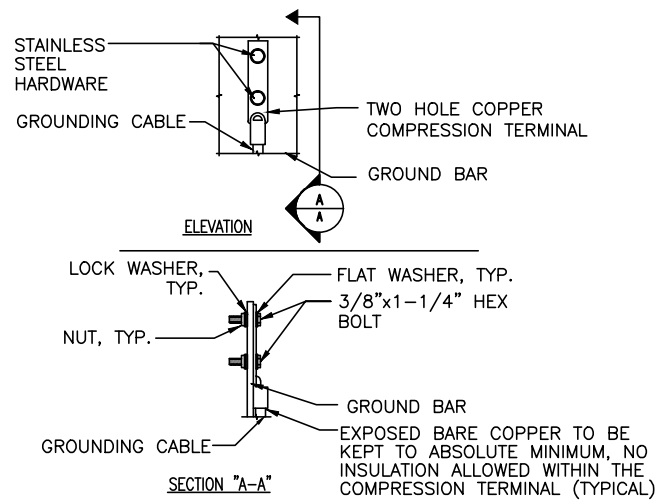


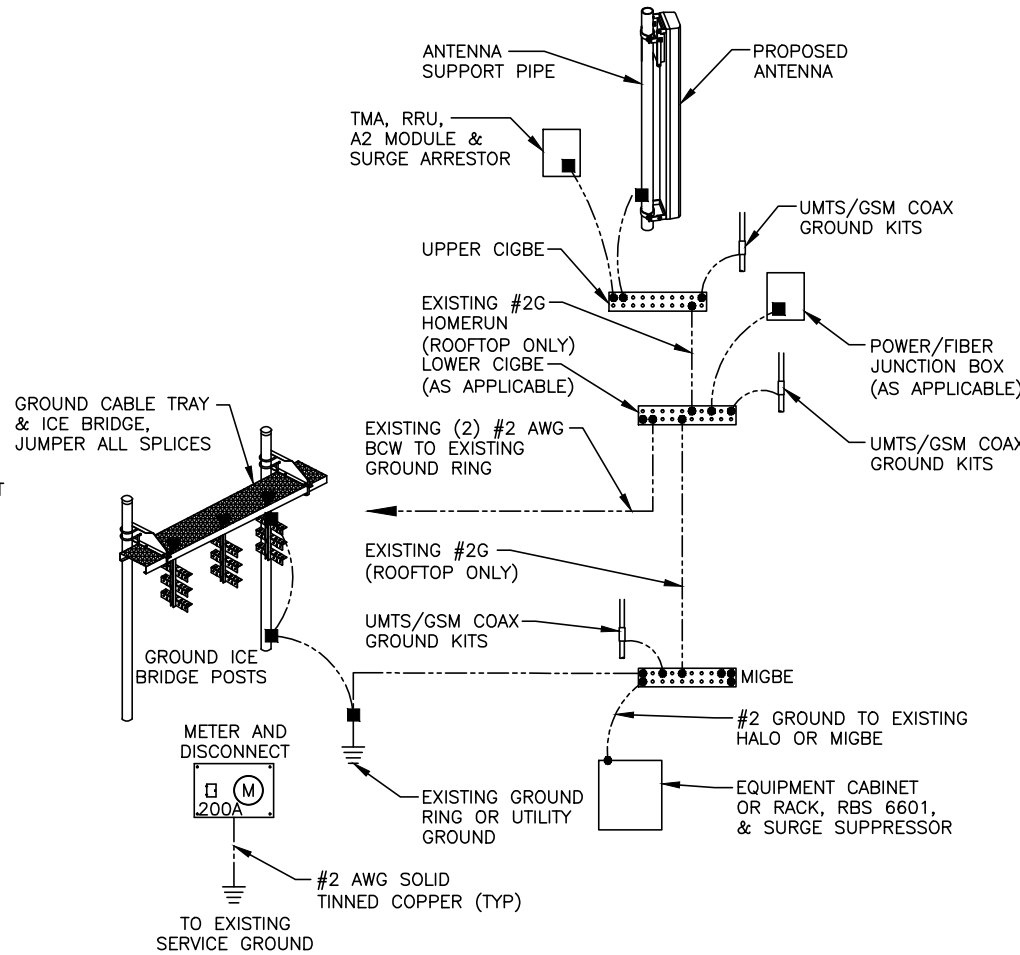
**NOTE:**  
1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO CIGBE.

**GROUND WIRE TO GROUND BAR CONNECTION DETAIL**  
SCALE: N.T.S

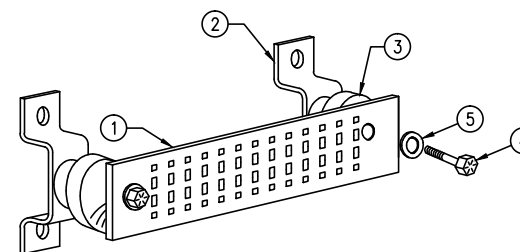


**NOTE:**  
1. "DOUBLING UP" OR "STACKING" OF CONNECTION IS NOT PERMITTED.  
2. OXIDE INHIBITING COMPOUND TO BE USED AT ALL LOCATIONS.  
3. CADWELD DOWNLEADS FROM UPPER EGB, LOWER EGB, AND MGB.

**TYPICAL GROUND BAR CONNECTION DETAIL**  
SCALE: N.T.S



**GROUNDING RISER DIAGRAM**  
SCALE: N.T.S



**GROUND BAR - DETAIL**  
SCALE: N.T.S



EACH GROUND CONDUCTOR TERMINATING ON ANY GROUND BAR SHALL HAVE AN IDENTIFICATION TAG ATTACHED AT EACH END THAT WILL IDENTIFY ITS ORIGIN AND DESTINATION.

**SECTION "P" - SURGE PRODUCERS**

- CABLE ENTRY PORTS (HATCH PLATES) (#2)
- GENERATOR FRAMEWORK (IF AVAILABLE) (#2)
- TELCO GROUND BAR
- COMMERCIAL POWER COMMON NEUTRAL/GROUND BOND (#2)
- +24V POWER SUPPLY RETURN BAR (#2)
- 48V POWER SUPPLY RETURN BAR (#2)
- RECTIFIER FRAMES.

**SECTION "A" - SURGE ABSORBERS**

- INTERIOR GROUND RING (#2)
- EXTERNAL EARTH GROUND FIELD (BURIED GROUND RING) (#2)
- METALLIC COLD WATER PIPE (IF AVAILABLE) (#2)
- BUILDING STEEL (IF AVAILABLE) (#2)



1600 OSGOOD STREET  
BUILDING 20 NORTH, SUITE 3090  
N. ANDOVER, MA 01845  
TEL: (978) 557-5553  
FAX: (978) 336-5586

**EMPIRE telecom**  
16 ESQUIRE ROAD  
BILLERICA, MA 01862  
TEL: (978) 608-8400

**SITE NUMBER: ME5045**  
**SITE NAME: PORTLAND USM**

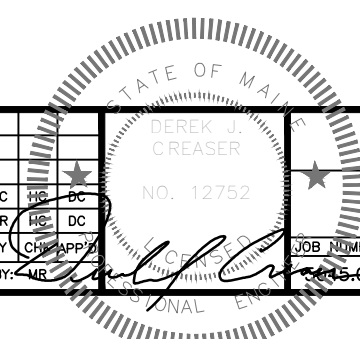
246 DEERING AVENUE  
PORTLAND, ME 04102  
CUMBERLAND COUNTY



550 COCHITUATE ROAD  
FRAMINGHAM, MA 01701

NO.	DATE	REVISIONS	BY	CHK	APP'X
1	07/16/15	ISSUED FOR PERMITTING	HC	HC	DC
0	12/12/14	ISSUED FOR REVIEW	MR	HC	DC

SCALE: AS SHOWN    DESIGNED BY: HC    DRAWN BY: MR



AT&T

GROUNDING DETAILS  
(LTE-3C 2015)

JOB NUMBER	DRAWING NUMBER	REV
15-01	G-1	1