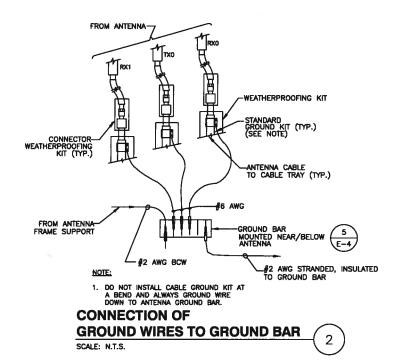
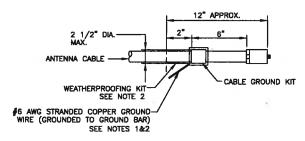


NOTES:

1. DOUBLING UP OR STACKING OF CONNECTIONS IS NOT PERMITTED 2. OXIDE INHIBITING COMPOUND TO BE USED AT ALL LOCATIONS.

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





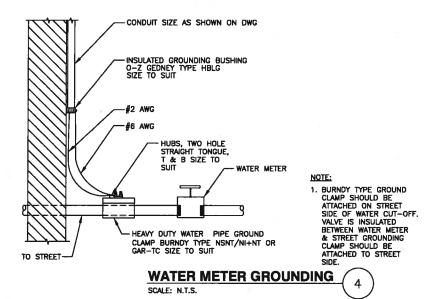
TO ANTENNA CABLE

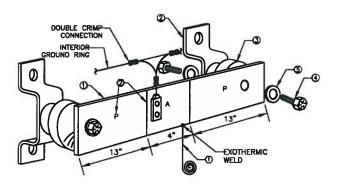
NOTES:

- DO NOT INSTALL GROUND CABLE KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.
- GROUNDING KIT AND WEATHERPROOFING KIT SHALL BE TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER.

CONNECTION OF CABLE GROUND KIT TO ANTENNA CABLE

GROUNDING LEGEND		
SYMBOL	DESCRIPTION	
•	EXOTHERMIC WELD	
	MECHANICAL CONNECTION	





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 PROTECTORS

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

SECTION "A" - SURGE ABSORBERS

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

SECTION "I" - ISOLATED GROUND ZONE

ALL COMMUNICATIONS EQUIPMENT FRAMES. ISOLATED GROUND BAR — IGB (2 AWG)

NEWTON INSTRUMENT COMPANY, INC. BUTNER, N.C. OR APPROVED EQUAL			
NÖ.	REQ.	PART NO.	DESCRIPTION
Θ		1/4"x4"x30"	SOLID GND. BAR
0			WALL MTG. BRKT.
3	2	3061-4	INSULATORS
(4)	4	30121	5/8"-11x1" H.H.C.S.
(3)	4	3015-8	5/8 LOCKWASHER

DETAIL NOTES:

- EXOTHERMICALLY WELD 2 AWG BARE TINNED SOLID COPPER CONDUCTOR TO GROUND BAR. ROUTE CONDUCTOR TO BURIED GROUND RING AND PROVIDE PARALLEL EXOTHERMIC WELD.
- USE PERMANENT MARKER TO DRAW THE LINES BETWEEN EACH SECTION AND LABEL EACH SECTION ("P", "A", "I") WITH 1" HIGH LETTERS.

GROUND BAR PLATE (TYP.)

SCALE: N.T.S.



SUITES 13 & 14 FRAMINGHAM, MA 01701



SALEM, NH 03079

HOLT HALL SITE NO.: ME2980

	C	ONSTRUC	1OIT	DRAWINGS
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L				
L	0	03/15/13	FOR	CONSTRUCTION
L	Α	03/12/13	FOR	COMMENT

Dewherry

Dewb	10TH FL	MMER STREET
***	PATRICK P. BARRY 12942	***
Tar.		13 TO 15 TO

DRAWN BY:	MR
REVIEWED BY:	DAS
CHECKED BY:	PPB
PROJECT NUMBER:	50003936
JOB NUMBER:	50048546
SITE ADDRESS	

794 CONGRESS STREET PORTLAND, ME 04102

SHEET TITLE

GROUNDING DETAILS

SHEET NUMBER