



**NOTES:**

- 1) PLACE GROUND RODS IN GROUND THAT HAS PREFERABLY BEEN UNDISTURBED. SEE FOLLOWING PLACEMENT SKETCHES.
- 2) CLEAN GROUND WIRE AND ROD WITH EVERY CLOTH TO PROVIDE GOOD CONTACT. (SEE FOLLOWING PLACEMENT SKETCHES)
- 3) WELD WIRE (WIRE) TO APPROPRIATE PLACEMENT OF GROUND RODS.
- 4) ATTACH GROUND WIRE TO ROD AS SHOWN. CLAMP ASSEMBLY SHOULD BE USED AS REQUIRED. CLAMP ASSEMBLY MUST BE CLEAN, FREE OF OIL, GREASE, AND OTHER CONTAMINANTS. CLAMP ASSEMBLY SHOULD NOT HAVE A RADIUS LESS THAN 1/16" IN ANY DIRECTION. SURFACE UNDER CLAMP ASSEMBLY SHOULD BE METAL WITH EVERY CLOTH.
- 5) ALL GROUND WIRE RUNS MUST BE AS DIRECT AS POSSIBLE. FREE OF BENDS AND KINKS. GROUND WIRE SHOULD NOT HAVE A RADIUS LESS THAN 1/16" IN ANY DIRECTION.
- 6) ALL GROUND WIRE TO BE #6 AWG SOLID COPPER WIRE.
- 7) GROUND RODS TO BE DRIVEN 6 TO 12 INCHES BELOW GROUND LEVEL.
- 8) MATERIAL QUANTITIES TO BE DETERMINED BY SITE SPECIFIC APPLICATION NEEDS.

**MATERIAL ORDERING INFORMATION**

ITEM	DESCRIPTION	QTY.	MANUFACTURER	MANUFACTURER P/N
1	CLAMP, GROUNDING ASSY. 7/4" TO 6" MASTS (ALL ONLY)	-	ERICO	S88520A2CL09S
	CLAMP, GROUNDING ASSY. 7/4" TO 12" MASTS (ALL ONLY)	-	ERICO	S88520A2CL09S
2	GROUND ROD 3/4" X 8'-0"	-	ERICO	613480
3	ONE SHOT CONNECTION 7/32" GROUND ROD - TYPE NK 4 WIRE #6 AWG	-	ERICO	S8011610
	ONE SHOT CONNECTION 7/32" GROUND ROD - TYPE NT 3 WIRE #6 AWG	-	ERICO	S8011610
	ONE SHOT CONNECTION 7/32" GROUND ROD - TYPE OT 2 WIRE #6 AWG	-	ERICO	S8011610
4	ONE SHOT CONNECTION 7/32" GROUND ROD - TYPE PD 4 WIRE #6 AWG	-	ERICO	S8011610

**RAILAMERICA, INC.**

TYPICAL GROUNDING PROCEDURES

DRAWING NUMBER  
RA-1S-002

SHEET 1 OF 3

APPROVED: WALTER FITHIAN  
DIRECTOR OF SIGNALS  
AND COMMUNICATIONS

DATE: 02-16-04