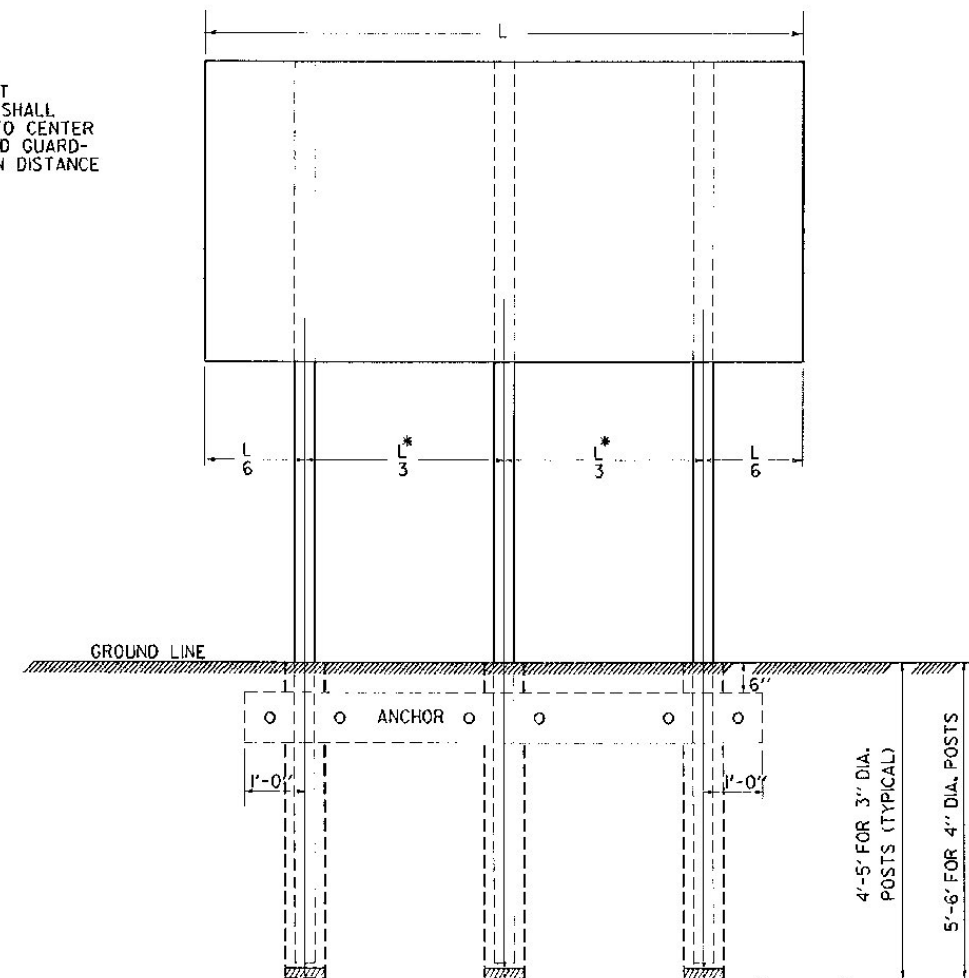


IN AREAS WHERE LEDGE ROCK IS ENCOUNTERED POSTS WILL BE SET AND GROUTED 24" DEEP IN THE LEDGE UNLESS THE POSTS PENETRATE THE GROUND A MIN. 4'.



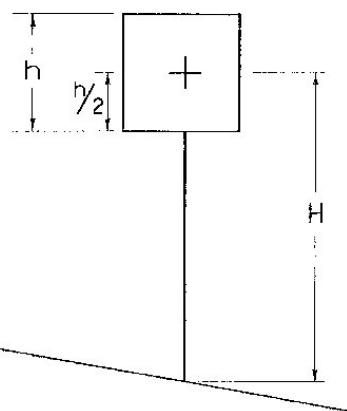
* WHEN CONSTRUCTING MULTIPLE POST INSTALLATIONS, THE POST SPACING SHALL BE A MINIMUM OF 7' - 4" CENTER TO CENTER OF THE POSTS UNLESS USED BEHIND GUARDRAIL A DISTANCE \geq THE DEFLECTION DISTANCE (SEE STD. E-160).

NOTES

ANCHORS USE TWO (2) PIECES OF 2" x 12" ROUGH PLANK, PLANKS, UNLESS OTHERWISE NOTED, SHALL CONFORM TO "STANDARD SPECIFICATIONS FOR CONSTRUCTION" SECTION 728.02

ERECTION LOCKNUTS ON 3/8" # 16 ALUMINUM POST BOLT CLIPS SHALL BE TORQUED TO 225 INCH POUNDS USING DRY, CLEAN, UNLUBRICATED THREADS. WHERE ALUMINUM SURFACES ARE TO BE PLACED IN CONTACT WITH WOOD, THEY SHALL BE GIVEN A THICK COAT OF AN ALKALI-RESISTANT BITUMINOUS PAINT MEETING THE REQUIREMENTS OF MILITARY SPECIFICATION MIL-P-6883, WHICH SHALL BE DRY BEFORE INSTALLATION.

THE HOLE SHALL BE CAREFULLY DUG AND THE POST SET TO THE DEPTH SPECIFIED ABOVE. POST SHALL NOT BE DRIVEN. THE BACKFILL MATERIAL SHALL CONFORM TO THE REQUIREMENTS OF APPROVED GRAVEL OR SHALL BE A MATERIAL APPROVED BY THE ENGINEER. COMPACTION OF THE BACKFILL WILL BE PERFORMED AS DIRECTED BY THE ENGINEER.



POST SELECTION CHART		
SIGN AREA (FT ²) x H (FT.) \leq SV (SELECTION VALUE)		
POST SIZE	SV (FT ²)	DESIGN CRITERIA
3" DIA.	257	WIND VELOCITY = 60 MPH (10 YEAR MEAN RECURRENCE INTERVAL)
4" DIA. *	477	WIND PRESSURE = 13 PSF ALUMINUM F _y = 24,000 PSI ALLOWABLE STRESS = 1.4 (24,000) PSI

* USE ONLY BEHIND GUARDRAIL AT A DISTANCE \geq THE GUARDRAIL DEFLECTION DISTANCE. (SEE STD. E-160)

POST WEIGHTS		
POST DIAMETER	WALL THICKNESS	WEIGHT PER FT.
3" ROUND	3/16"	1.9 LBS
4" ROUND	3/16"	2.6 LBS

REVISIONS AND CORRECTIONS
MARCH 1, 1988 - FHWA REVIEW COMMENTS
OCT 21, 1992 - REVISED NOTES, CHARTS AND TITLE BLOCK

APPROVED: SEPT. 10, 1987
DATE

Gordon S. MacArthur
DIRECTOR OF ENGINEERING

David A. Ross
TRAFFIC AND SAFETY ENGINEER

TUBULAR ALUMINUM SIGN POST



STANDARD
E-162