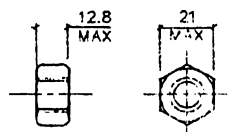
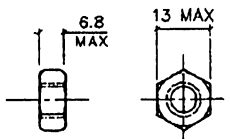


14 D HEX BOLT

8 D HEX BOLT



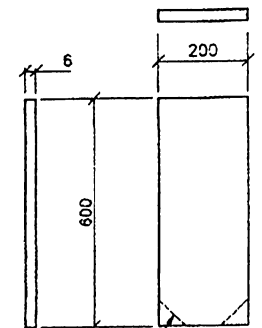
14 D HEX NUT



8 D HEX NUT

14 D BOLT AND NUT
ANSI M14x2

POST BOLT AND NUT
M8x1.25



BOTTOM CORNERS MAY BE CLIPPED 50 x 50 TO AID POST DRIVING.

WEAK POST SOIL PLATE

I. SPECIFICATIONS

- A. BOLTS SHALL BE MANUFACTURED ACCORDING TO THE GEOMETRIC SPECIFICATIONS INCLUDED IN ANSI B18.2.3.5M. THREADS SHALL CONFORM TO ANSI B1.13M FOR CLASS 6g THREADS. MATERIAL FOR ZINC-COATED BOLTS SHALL CONFORM TO ASTM F568 FOR CLASS 4.6 (400 MPa TENSILE STRENGTH AND 240 MPa YIELD STRENGTH). BOLT HEADS SHALL BE MARKED AS SPECIFIED IN ASTM F568 SECTION 9 WITH THE SYMBOL "4.6" FOR ZINC-COATED.
- B. ZINC-COATED NUTS SHALL BE MANUFACTURED ACCORDING TO THE DIMENSIONS AND TOLERANCES IN ANSI B18.2.4.1M FOR METRIC STYLE 1 HEX NUTS (SHOWN IN DRAWING). THREADS SHALL CONFORM TO ANSI B1.13M FOR CLASS 6H. ZINC-COATED NUTS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M291M (ASTM A563M) FOR CLASS B53 NUTS.
- C. ZINC-COATED BOLTS AND NUTS SHALL BE TREATED ACCORDING TO EITHER AASHTO M232 (ASTM A153) OR AASHTO M298 (ASTM B695) FOR CLASS 50.

DESIGNATOR (D)	STRESS AREA OF THREADED BOLT SHANK (mm ²)	MINIMUM BOLT BOLT STRENGTH (kN)
8	36.6	14.6
14	115.0	46.0

- D. DIMENSIONAL TOLERANCES NOT SHOWN OR IMPLIED ARE INTENDED TO BE THOSE CONSISTENT WITH THE PROPER FUNCTIONING OF THE PART, INCLUDING ITS APPEARANCE AND ACCEPTED MANUFACTURING PRACTICES.

I. SPECIFICATIONS

- A. THE WEAK POST SOIL PLATE SHALL BE MANUFACTURED USING AASHTO M270M (ASTM A709M) GRADE 250 STEEL PLATE. AFTER ALL PUNCHING, DRILLING, STAMPING AND WELDING IS COMPLETE, THE PLATE SHALL BE ZINC-COATED ACCORDING TO AASHTO M111 (ASTM A123).
- B. DIMENSIONAL TOLERANCES NOT SHOWN OR IMPLIED ARE INTENDED TO BE THOSE CONSISTENT WITH THE PROPER FUNCTIONING OF THE PART, INCLUDING ITS APPEARANCE AND ACCEPTED MANUFACTURING PRACTICES.

II. INTENDED USE

- A. THIS SOIL PLATE IS WELDED TO THE WEAK POST FOR USE IN THE WEAK POST W-BEAM GUARD RAIL.

EFFECTIVE DATE: FEBRUARY 1997

COMMONWEALTH OF PUERTO RICO DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS HIGHWAY AND TRANSPORTATION AUTHORITY		
METAL BARRIER TRANSITION W-BEAM STRONG-POST TO WEAK-POST SINGLE POST		RECOMMENDED BY: <i>[Signature]</i> DESIGN AREA DIRECTOR DATE: <i>Apr 14, 97</i> APPROVED BY: <i>[Signature]</i> EXECUTIVE DIRECTOR DATE: <i>4-10-97</i> APPROVED BY: <i>[Signature]</i> DIV. ADM. ENVA-PR DIVISION DATE:
DATE	REVISION	BY
1-1-97	GENERAL REVISION	I.V.
STD. DWG.	MB	25 OF 28