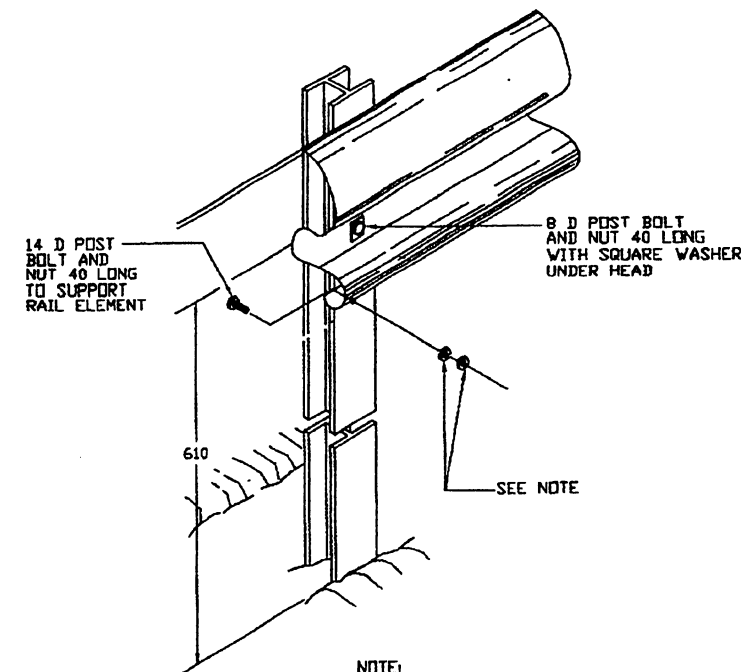
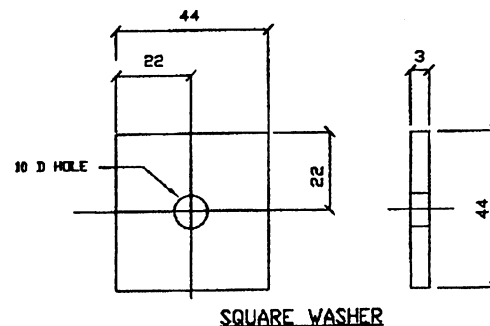
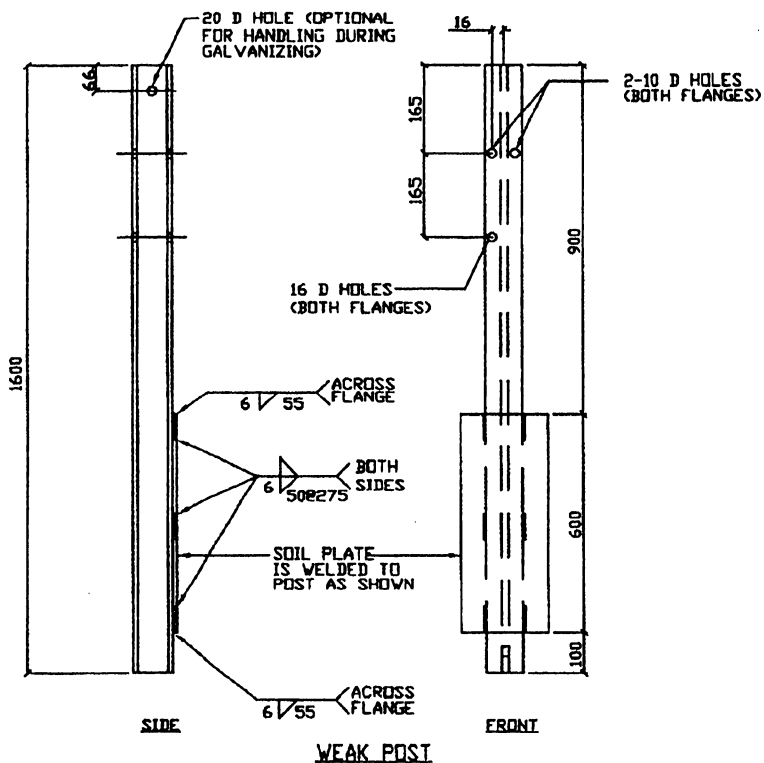


GUARD RAIL TRANSITION FROM WEAK
TO STRONG POST AND VICEVERSA



NOTE:
DURING ERECTION, USE TEMPORARY SUPPORT BOLTS OR TEMPORARY DRIFT PINS TO SUPPORT THE RAIL ELEMENT UNTIL THE POST BOLTS ARE PROPERLY TORQUED.

TYPICAL INSTALLATION
WEAK POST

I. SPECIFICATIONS

- THIS POST SHALL BE MANUFACTURED USING AASHTO M270M (ASTM A 709M) GRADE 250 STEEL. THE SECTION SHALL BE MANUFACTURED SUCH THAT IT CONFORMS TO THE GEOMETRY AND TOLERANCES OF AASHTO M160M (ASTM A6M) FOR A S75 x 8.5 S-SECTION. AFTER ALL PUNCHING, DRILLING, STAMPING AND WELDING IS COMPLETE, THE SECTION SHALL BE ZINC-COATED ACCORDING TO AASHTO M111 (ASTM A123). ALL HOLES SHALL BE PUNCHED THROUGH BOTH FLANGES (IN-LINE). ALL WELDING SHALL CONFORM TO ANSI/AASHTO/AWS D1.5.
- 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.
- CONSTRUCTION OF THE TRANSITION WILL BE A SUBSIDIARY OBLIGATION OF OF THE GUARD RAIL ITEMS.

AREA	I_x	I_y	S_x	S_y
$<10^3 \text{ mm}^2$	$<10^6 \text{ mm}^4$	$<10^6 \text{ mm}^4$	$<10^3 \text{ mm}^3$	$<10^3 \text{ mm}^3$
1.1	1.1	0.2	28	6

I. INTENDED USE

- THIS POST IS USED WITH THE STANDARD WEAK POST GUARD RAIL SYSTEM.

I. SPECIFICATIONS

- THE SQUARE GUARD RAIL WASHER SHALL BE MANUFACTURED FROM AASHTO M270M (ASTM A709M) GRADE 250 STEEL PLATE. AFTER STAMPING OR PUNCHING GALVANIZED PLATES SHALL BE FINISHED ACCORDING TO AASHTO M111 (ASTM A123).
- 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.

NOTE:

CONSTRUCTION OF THE TRANSITION SHALL BE A SUBSIDIARY OBLIGATION OF THE GUARD RAIL ITEM.

EFFECTIVE DATE: OCTOBER 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 FACE		RECOMMENDED BY: <i>[Signature]</i>	DESIGN AREA DIRECTOR DATE: 10-26-97
		APPROVED BY: <i>[Signature]</i>	EXECUTIVE DIRECTOR DATE: 10-27-97
		APPROVED BY: <i>[Signature]</i>	ADM. ENGR. DIVISION DATE: 10-27-97
DATE	REVISION	BY	
1-1-97	GENERAL REVISION	I.V.	STD. MB
9-18-97	ADD NOTE	I.V.	DWG. 24 OF 28