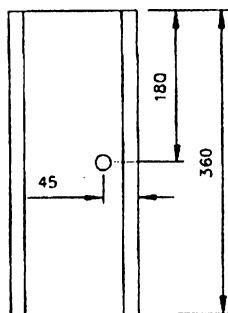
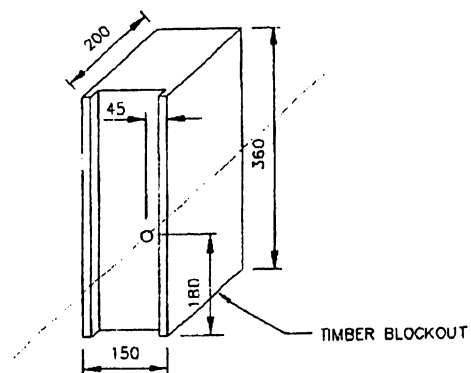


TOP VIEW

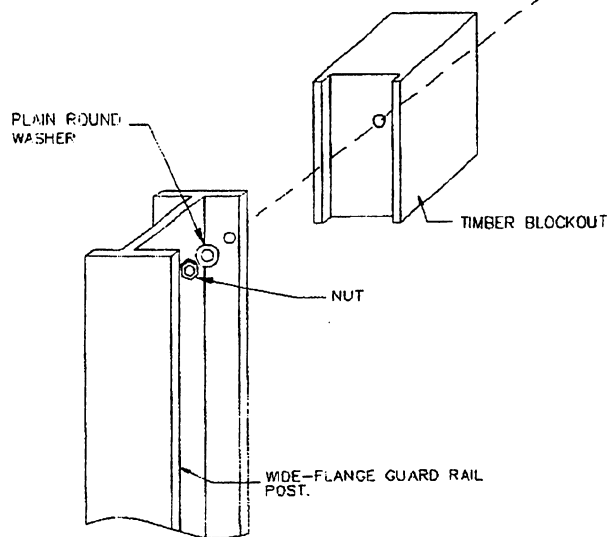
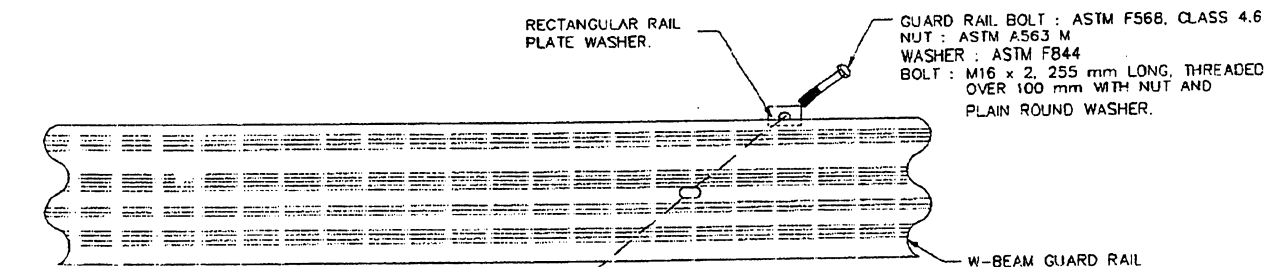


FRONT VIEW



ISOMETRIC VIEW

TIMBER BLOCKOUT DETAIL



GUARD RAIL POST ASSEMBLY DETAIL

NOTES:

1. TIMBER BLOCKOUTS SHALL BE USED ON ALL NEW STRONG POST GUARD RAIL INSTALLATIONS ON THE FOLLOWING HIGHWAYS SEGMENTS, INCLUDING MAINLINE AND RAMPS INSTALLATIONS:

- PR-1, FROM ITS INTERCHANGE WITH PR-25 TO ITS INTERCHANGE WITH PR-52 AND PR-18.
- PR-1, FROM ITS INTERCHANGE WITH PR-20 TO ITS INTERCHANGE WITH PR-30
- PR-2, FROM ITS INTERCHANGE WITH PR-22 IN HATILLO TO ITS INTERCHANGE WITH PR-52 IN PONCE
- PR-2, FROM ITS INTERCHANGE WITH PR-1 (MUÑOZ RIVERA FREEWAY) TO ITS INTERCHANGE WITH PR-165 (SOUTH OF DORADO).
- PR-3, FROM ITS INTERCHANGE WITH PR-26 IN CAROLINA TO ITS INTERCHANGE WITH PR-53 IN FAJARDO.
- PR-3, FROM THE ROOSEVELT ROADS BASE TO ITS INTERCHANGE WITH PR-60 IN HUMACAO.
- PR-10, ENTIRE LENGTH OF THE HIGHWAY
- PR-14, FROM ITS INTERCHANGE WITH COMERCIO STREET (SOUTH OF PONCE) TO ITS INTERCHANGE WITH PR-52
- PR-17, ENTIRE LENGTH OF THE HIGHWAY
- PR-18, ENTIRE LENGTH OF THE HIGHWAY
- PR-20, ENTIRE LENGTH OF THE HIGHWAY
- PR-21, FROM ITS INTERCHANGE WITH PR-1 TO ITS INTERCHANGE WITH PR-18
- PR-22, ENTIRE LENGTH OF THE HIGHWAY
- PR-25, ENTIRE LENGTH OF THE HIGHWAY
- PR-26, ENTIRE LENGTH OF THE HIGHWAY
- PR-28, ENTIRE LENGTH OF THE HIGHWAY
- PR-30, ENTIRE LENGTH OF THE HIGHWAY
- PR-52, ENTIRE LENGTH OF THE HIGHWAY
- PR-53, ENTIRE LENGTH OF THE HIGHWAY
- PR-66, ENTIRE LENGTH OF THE HIGHWAY
- PR-107, ENTIRE LENGTH OF THE HIGHWAY
- PR-165, ENTIRE LENGTH OF THE HIGHWAY
- PR-181, ENTIRE LENGTH OF THE HIGHWAY
- PR-194, FROM ITS INTERCHANGE WITH PR-195 TO ITS INTERCHANGE WITH PR-3 (NORTH-WEST OF FAJARDO)
- PR-195, FROM ITS INTERCHANGE WITH PR-194 TO ITS INTERCHANGE WITH COMETA STREET (FAJARDO DOCK) FAJARDO
- PR-503, FROM ITS INTERCHANGE WITH PR-10 (NORTH OF PONCE) TO ITS INTERCHANGE WITH PR-10 (SOUTH OF PONCE)

THE STEEL BLOCKOUT SHALL BE USED IN ALL OTHER ROUTES AND APPLICATIONS.

2. TIMBER BLOCKOUTS MATERIALS REQUIREMENTS - TIMBER BLOCKOUTS SHALL COMPLY WITH THE REQUIREMENTS OF AASHTO M 168, FOR GUARDRAIL POSTS. THEY SHALL BE SURFACED ON FOUR SIDES AND THE DIMENSIONS SHALL BE ACTUAL AS INDICATED ON THE STANDARD DRAWINGS. WOOD PRESERVATIVE SHALL BE IN CONFORMANCE WITH AASHTO M 133 AND SHALL BE APPLIED AFTER ALL THE HOLES HAVE BEEN DRILLED AND ALL OTHER WOODWORKING OPERATIONS HAVE BEEN PERFORMED. BEFORE USING, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER, FOR APPROVAL, MATERIAL CERTIFICATES AND INFORMATION AS TO THE SPECIES OF TIMBER TO BE USED AND METHOD OF PRESERVATIVE TREATMENT TO BE EMPLOYED.
3. THE GUARD RAIL INSTALLATIONS SHALL COMPLY WITH ALL OTHER REQUIREMENTS OF THE CONTRACT, PLANS, SPECIFICATIONS AND STANDARD DRAWINGS FOR METAL BARRIER.
4. W-BEAM BACK UP PLATE WILL NOT BE USED WITH THIS BLOCK. W-BEAM BACK-UP PLATES USES IS MANDATORY WHEN METAL BLOCK IS USED

EFFECTIVE DATE: DECEMBER 2000

COMMONWEALTH OF PUERTO RICO DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS HIGHWAY AND TRANSPORTATION AUTHORITY			
METAL BARRIER W-BEAM STRONG-POST TIMBER BLOCKOUT DETAILS		RECOMMENDED BY: DESIGN AREA DIRECTOR DATE: 12-27-00 APPROVED BY: EXECUTIVE DIRECTOR DATE: 30-11-00	
DATE	REVISION	BY	
11-2000	DELETED BACK-UP PLATE	I.V.	
		STD. DWG.	MB 6A OF 28