



Notes

1. Cast block-out fits 12" diameter posts and 10" diameter rails with steel backing.
2. All cast steel, including hardware, conforms to AASHTO M222 or ASTM A588 (Grade C).
3. Apply a good sand cast finish to all exposed exterior surfaces. Lightly sandblast all exterior surfaces.
4. All exterior radii to be 1/32", unless otherwise specified.
5. All inside radii to be 1/16", unless otherwise specified.

General Notes:

1. All post and rail elements are peeled sound materials and consist of Coastal Douglas-fir, western hemlock, western larch, western pine, Jack pine or lodgepole pine.
2. Treat post and rail elements with water-borne preservative CCA in accordance with AWWA Standard C14-86 for soil contact, and have a retention factor of 0.50.
3. Install logs for rails butt to butt and tip to tip. A maximum taper of 2 inches will be allowed between the butt and tip ends of individual logs.
- 4.
5. Make splices in rail elements at post only.
6. Field cut log ends and dress as necessary to obtain tight fitting butt joints. Log ends at the joints are to be in full contact with each other. Trim traffic exposed faces of log ends at the joints and elsewhere and dress as necessary to obtain a smooth surface with no protrusions.
7. Dress back face of log rail members to provide a flat surface wide enough to accommodate a 6 inch steel rail.
8. Apply Burnt Sienna or other approved color stain to all exposed surfaces of logs. Apply stain either as a part of or subsequent to preservative treatment.
9. Treat all field cuts and drill holes with two applications of the same wood preservative and stain as the rails and posts.
10. All structural steel is to conform to AASHTO M222 (ASTM A588).
11. All fastener hardware is to be corrosion resistant and manufactured from steel conforming to AASHTO M164, Type 3 (ASTM A325, Type 3).
12. Nominal 16" bolt length. Bolt length will vary according to log size. Extra long threaded bolts may be used, provided they are field cut so that none of the shank protrudes beyond the back of the post.

CAST BLOCK-OUT FOR 12" LOG POST TO 10" LOG RAIL (CONCAVE OUTSIDE WALLS)

No Scale

DRAFT - NOT FOR USE

REVISIONS			
NO.	DESCRIPTION	BY	DATE
1	Revised back plate to 3/8"	D.V.G.	1/93
2	Revised cast block-out	D.V.G.	4/93

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION FEDERAL LANDS HIGHWAY	
STANDARD	
STEEL-BACKED LOG RAIL	
STANDARD APPROVED FOR USE --/----	STANDARD 617-81