NOTE:
1. See the following sheets for Sections A-A through C-C, steel rail layouts, and other details.
2. Use weathering steel for all structural steel and fastener hardware.
NOTE:
1. Pre-drill 1\(\frac{1}{8}\)" holes in timber rail and 3/16" holes in the wood spacer block for the 1/4"-inch lag screws.
**Parapet Attachment Detail**

**Spacer Block for Rail**
- Drill recess for bolt nut and washer.
- Dimensions: 12" x 12" x 10".
- Spacing: 6" x 6" x 6".

**Spacer Block for Rub-Rail**
- Drill recess for bolt nut and washer.
- Dimensions: 12" x 12" x 10".
- Spacing: 6" x 6" x 6".

**Rub-Rail Connections**
- 10" x 12" x 6'-0" rough sawn timber post.
- 6" x 6" x 15'-0" rough sawn timber rub-rail.
- Plane block for rail flare.
- 1/2" x 16" carriage bolt w/ hex nut & plate washer.

**Note:**
- sheet 3 of 3
- CURVED BACK STRUCTURE
- CONNECTION TO STEEL-BACKED TIMBER GUARDRAIL
- 02/2019
- NO SCALE
- C617-66

**Details:**
- CENTRAL FEDERAL LANDS HIGHWAY DIVISION
- FEDERAL HIGHWAY ADMINISTRATION
- U.S. DEPARTMENT OF TRANSPORTATION
- U.S. CUSTOMARY DETAIL
- DETAIL APPROVED FOR USE
Steel-Backed Timber Guardrail Connection to Curved Back Structure

General Information

**Appropriate Applications.**
- Steel-backed timber (SBT) guardrail is an aesthetic roadside barrier. This drawing provides a low-speed connection to curved stone masonry guardwalls.

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**Limitations.** This connection is for low-speed roadways.

**Layout Guidance.**

Applicable SCRs
None

Typical Pay Item Used
- 61707-2000 Structure transition railing, SBT system [LNFT]

Updates
February 2019
- New Detail drawing