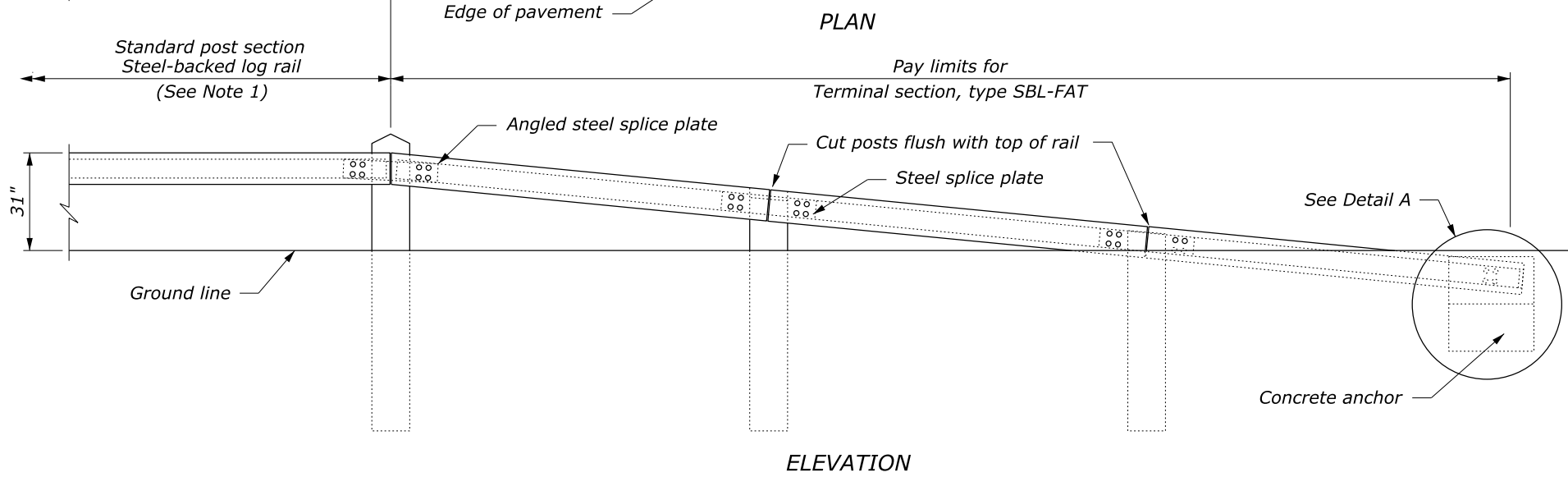
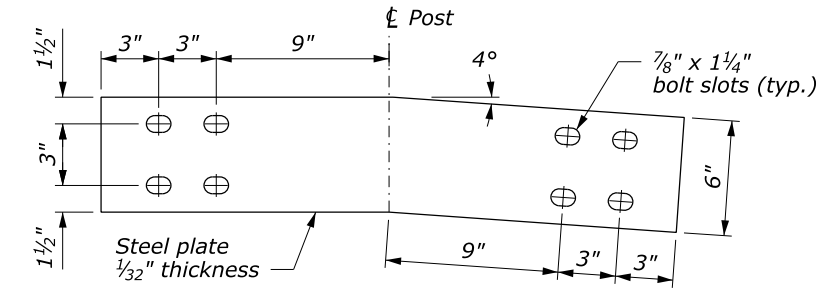
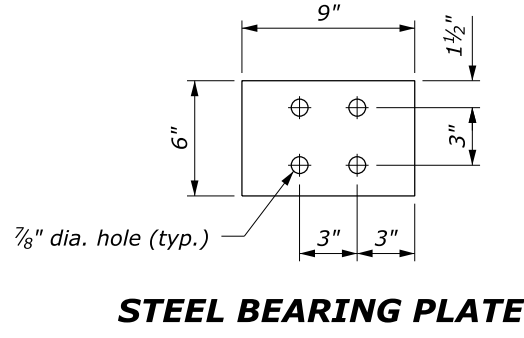
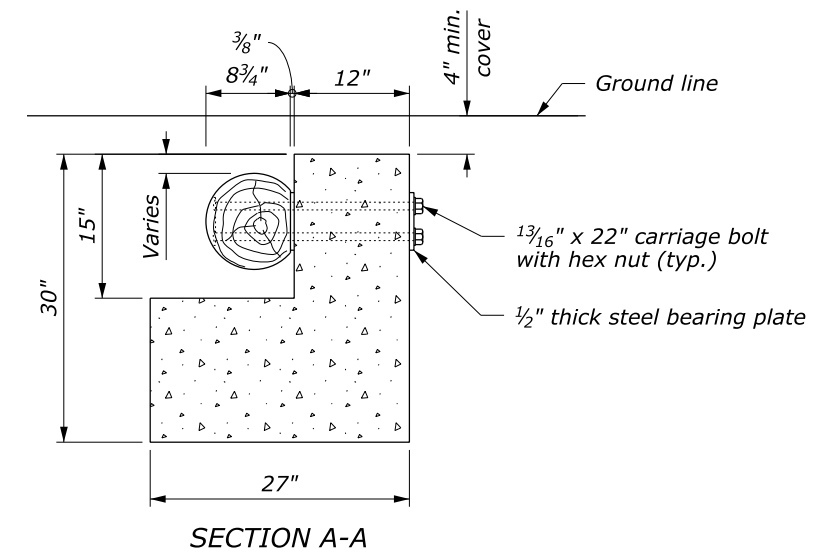
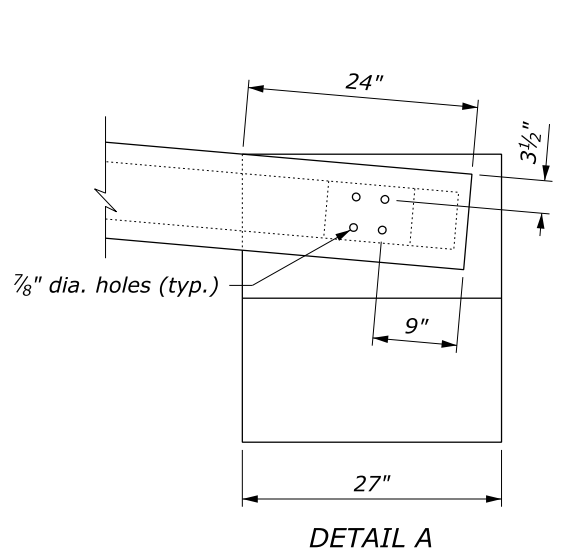


- NOTE:**
1. See Details C617-80 and C617-81 for timber, structural steel, and hardware details.
  2. Extend the fill widening a minimum of 5 feet behind the guardrail, unless otherwise directed by the CO.
  3. The guardrail flare shown in the plan view is the minimum length and rate required. As directed by the CO, flare the guardrail so that the terminal section is outside the clear zone. If the terminal section cannot be located outside the clear zone, it should be flared as far as practical from the road at the maximum rate indicated on the Guardrail Flare Rates table.



Design Speed (mph)	Shy line offset (ft)	Flare rate inside shy line (a:b)	Flare rate outside shy line (a:b)
60	8.0	26:1	14:1
50	6.5	21:1	11:1
40	5.0	16:1	8:1
30 and less	4.0	13:1	7:1

**APPROACH & DEPARTURE FLARE WITH FLARED ANCHOR TERMINAL (FAT)**



**CONCRETE ANCHOR**

**STEEL BEARING PLATE**

**ANGLED STEEL SPLICE PLATE**

U.S. DEPARTMENT OF TRANSPORTATION  
 FEDERAL HIGHWAY ADMINISTRATION  
 CENTRAL FEDERAL LANDS HIGHWAY DIVISION

U.S. CUSTOMARY DETAIL  
**STEEL-BACKED LOG RAIL  
 TERMINAL SECTION,  
 TYPE SBL-FAT**

DETAIL APPROVED FOR USE 02/2019  
 REVISIONS: \_\_\_\_\_

DETAIL  
 C617-82

NO SCALE

User: Christine.Black  
 N:\CFL-DPTT\Black\Section617DrawingUpdates\Details\C617-82.dgn  
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 2/21/2019

**NOTES TO THE DESIGNER**  
 Last Updated: February 2019

## Steel-backed Log Rail Terminal Section, Type SBL-FAT

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### General Information

**Appropriate Applications.**

- Steel-backed log (SBL) guardrail is an aesthetic roadside barrier. This terminal provides an anchor to the SBL system.

<b>Crash Test Criteria</b>	None
<b>Test Level</b>	None
<b>FHWA Eligibility Letter</b>	None
<b>TF 13 Designator</b>	Not posted
<b>Crash Test Report</b>	None

**Limitations.** Need to flare the terminal outside the clear zone since this is a non-crashworthy terminal.

**Layout Guidance.**

- See AASHTO *Roadside Design Guide*
- Use the FLH Barrier Length of Need Calculator available at <https://flh.fhwa.dot.gov/resources/design/tools/Barrier-LON.xlsx>

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### Applicable SCRs

None

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### Typical Pay Item Used

- **NO PAY ITEM** in list yet

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### Updates

February 2019

- New Detail drawing