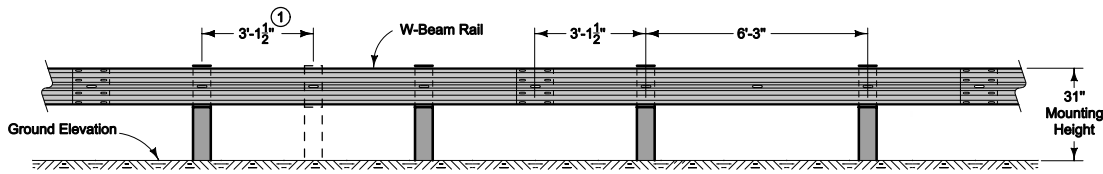
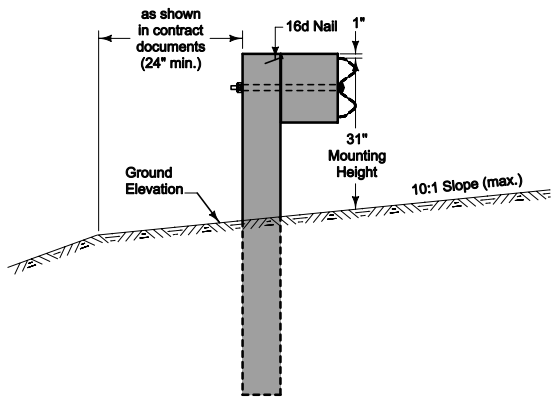


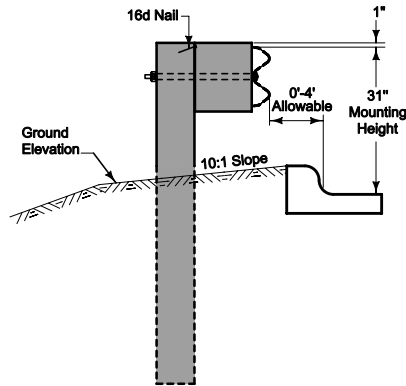
**PLAN**



**ELEVATION**



**SECTION**

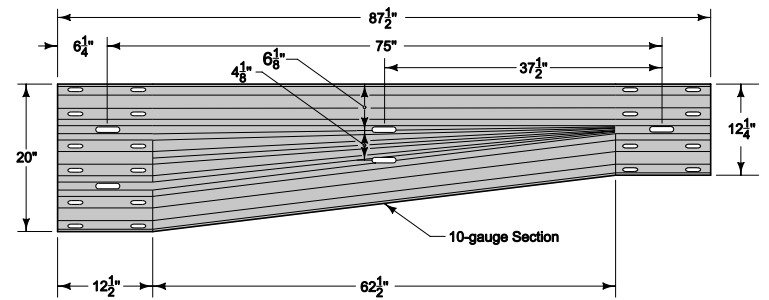
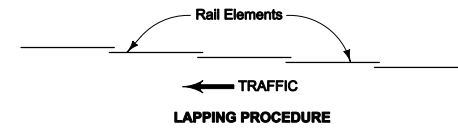


**SECTION WITH CURB**

**W-BEAM INSTALLATION**

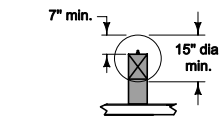
At Bridge End Drains, cut Scour Protection (Scourstop and TRM) or remove rock as required to place post(s) such that Bridge End Drains abut post(s).

- ① When specified by the contract documents, install posts at 3'-1 1/2" spacing.
- ② When posts are placed in solid material such as paved shoulder or rock, drill minimum 15 inch diameter holes for the depth of the material. Backfill holes with special backfill.



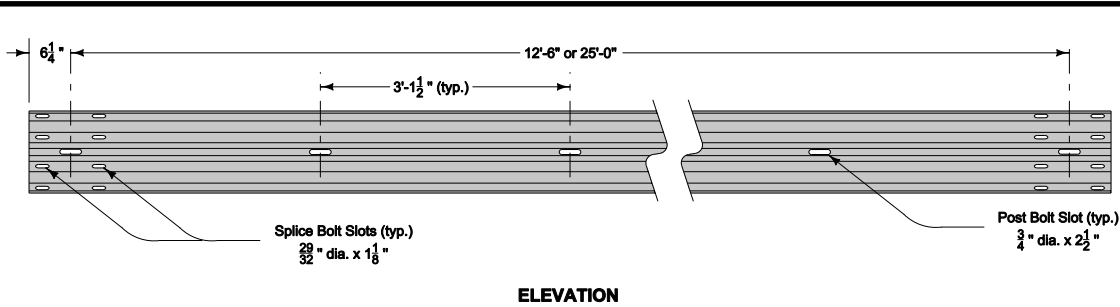
**ASYMMETRICAL TRANSITION SECTION**

Possible Contract Item:  
Steel Beam Guardrail



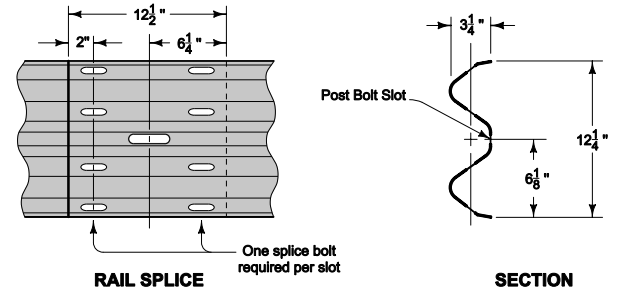
**INSTALLATION IN PAVED SURFACE OR ROCK** ②

<p>Iowa Department of Transportation</p> <p><b>STANDARD ROAD PLAN</b></p> <p>REVISIONS: New. Replaces RE-12A, RE-12B, RE-12C, and RE-100.</p> <p><i>Deanna Maifeld</i> APPROVED BY DESIGN METHODS ENGINEER</p> <p><b>STEEL BEAM GUARDRAIL COMPONENTS</b></p>	<p>REVISION</p> <p>New 04-20-10</p>
	<p><b>BA-200</b></p> <p>SHEET 1 of 2</p>
	<p>REVISIONS: New. Replaces RE-12A, RE-12B, RE-12C, and RE-100.</p>



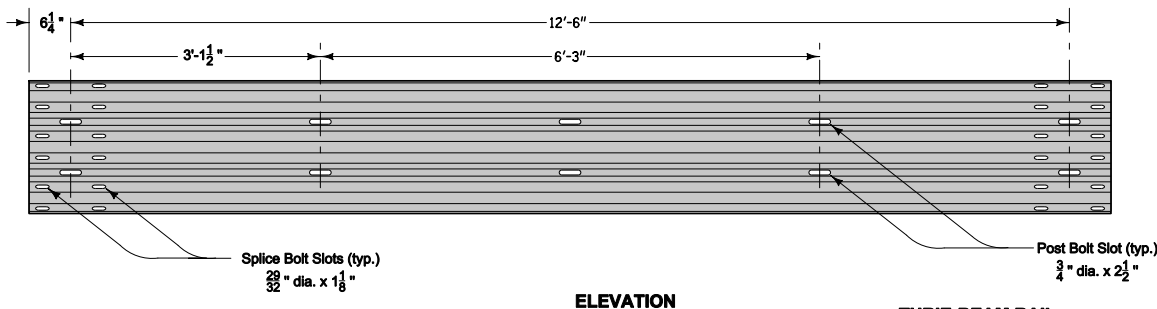
ELEVATION

**W-BEAM RAIL**



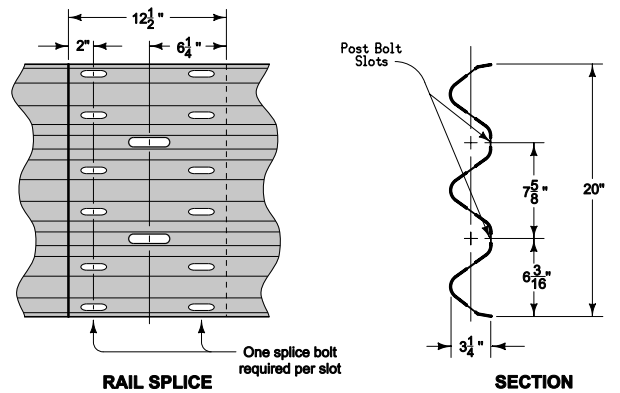
RAIL SPLICE

SECTION



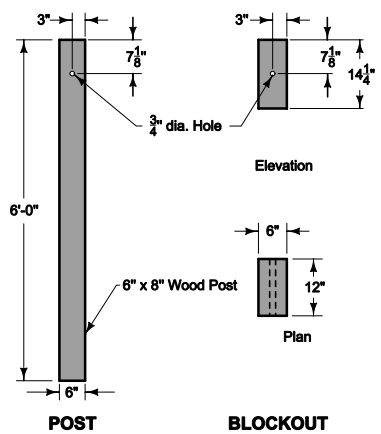
ELEVATION

**THRIE-BEAM RAIL**



RAIL SPLICE

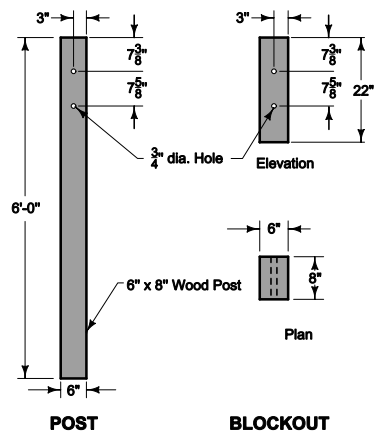
SECTION



POST

BLOCKOUT

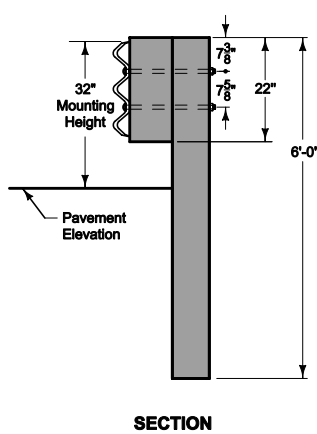
**W-BEAM**



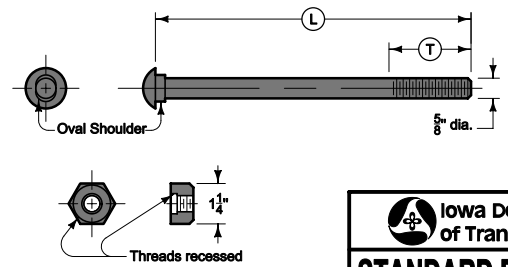
POST

BLOCKOUT

**THRIE-BEAM**



SECTION



APPLICATION	T	L
Post Bolt for 12" Blockout	2 1/2"	22"
Splice Bolt	1 1/8"	1 1/4"

T = Min. Thread Length      L = Bolt Length

**HARDWARE**

Iowa Department of Transportation

**STANDARD ROAD PLAN**

REVISIONS: New. Replaces RE-12A, RE-12B, RE-12C, and RE-100.

*Deanna Maifeld*  
APPROVED BY DESIGN METHODS ENGINEER

REVISION	New	04-20-10
<b>BA-200</b>		SHEET 2 of 2

**STEEL BEAM GUARDRAIL COMPONENTS**