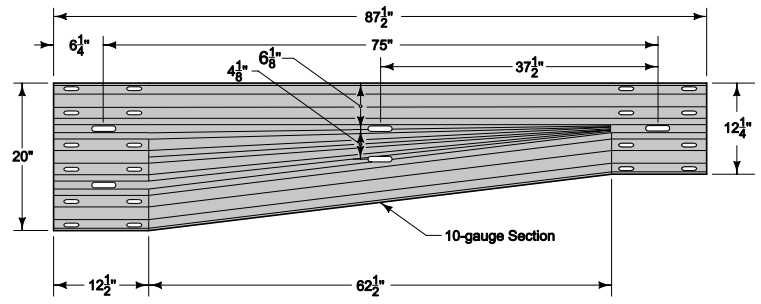
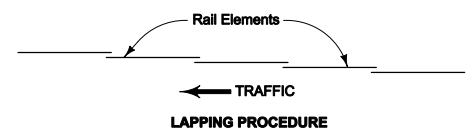


W-BEAM INSTALLATION

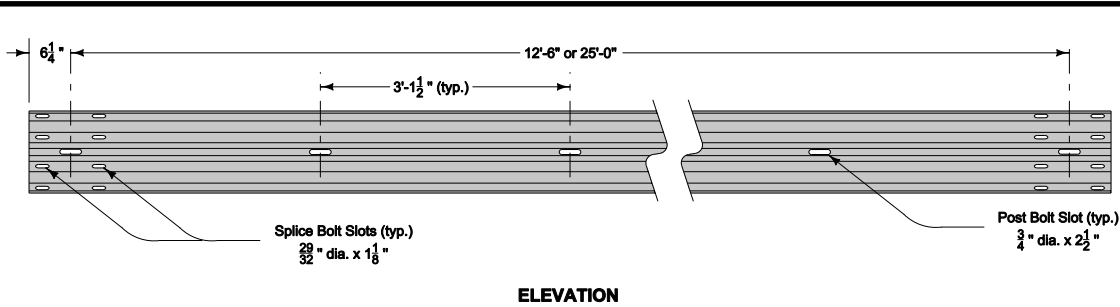
At Bridge End Drains, cut Scour Protection (Scourstop and TRM) or remove rock as required to place post(s) such that Bridge End Drains abut post(s).

- ① When specified by the contract documents, install posts at 3'-1 1/2" spacing.



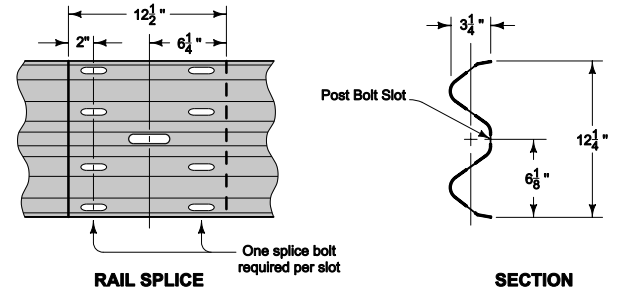
Possible Contract Item:
Steel Beam Guardrail

<p>Iowa Department of Transportation</p> <p>STANDARD ROAD PLAN</p> <p>REVISIONS: Added Post Bolt for 6" Block out to Hardware table.</p> <p><i>Deanna Maifeld</i> APPROVED BY DESIGN METHODS ENGINEER</p>	REVISION 1 10-19-10
	<p>BA-200</p> <p>SHEET 1 of 2</p>
<p>STEEL BEAM GUARDRAIL COMPONENTS</p>	



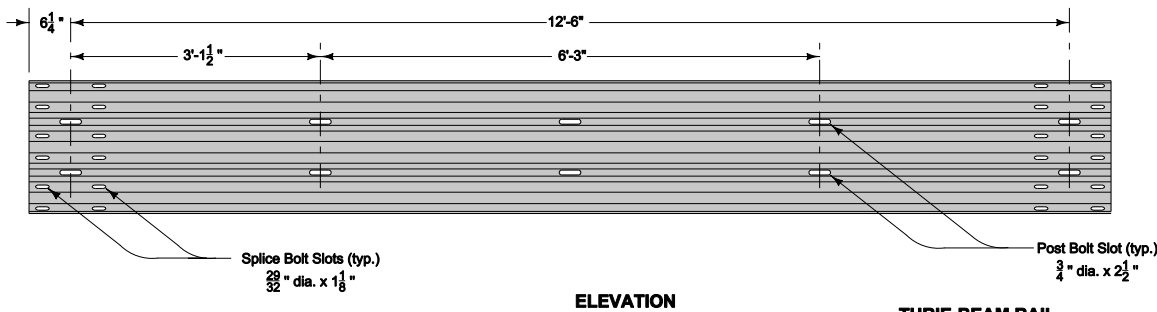
ELEVATION

W-BEAM RAIL



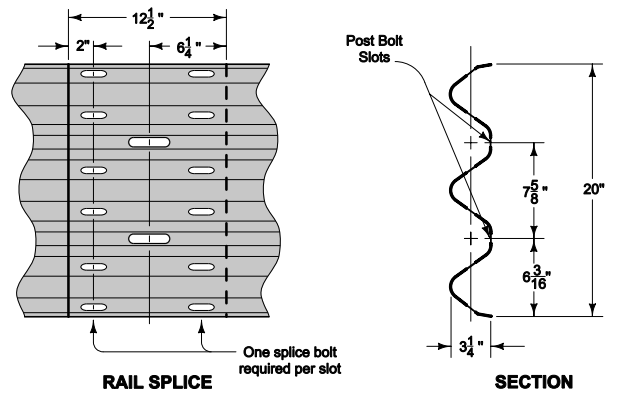
RAIL SPLICE

SECTION



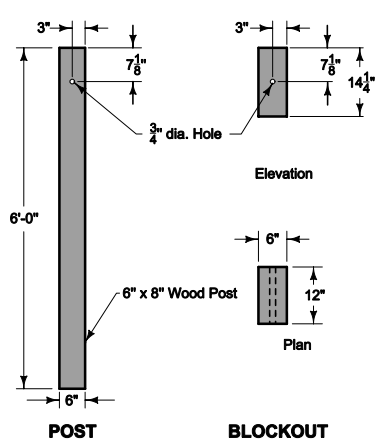
ELEVATION

THRIE-BEAM RAIL



RAIL SPLICE

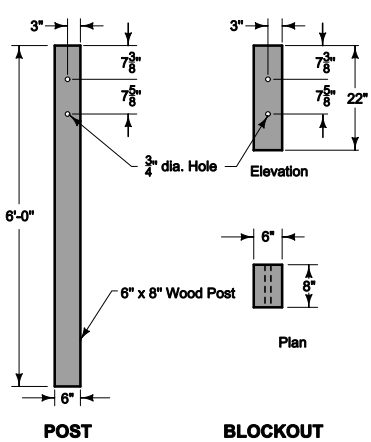
SECTION



POST

BLOCKOUT

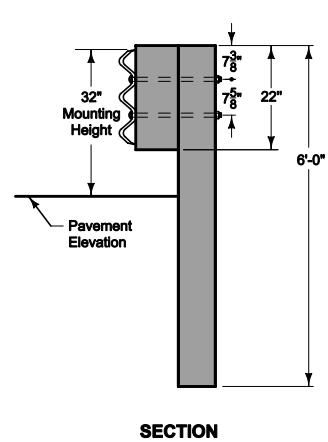
W-BEAM



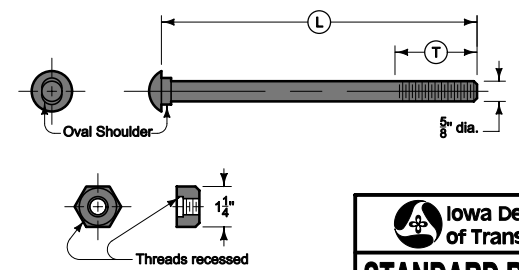
POST

BLOCKOUT

THRIE-BEAM



SECTION



APPLICATION	T	L
Post Bolt for 8" Blockout	2 1/2"	18"
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

Deanna Maifeld
APPROVED BY DESIGN METHODS ENGINEER

REVISION	1	10-19-10
BA-200		
SHEET 2 of 2		

REVISIONS: Added Post Bolt for 8" Block out to Hardware table.

STEEL BEAM GUARDRAIL COMPONENTS