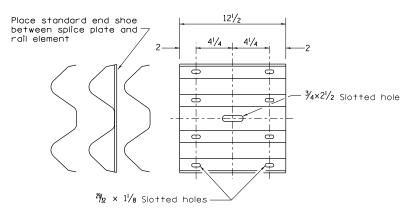
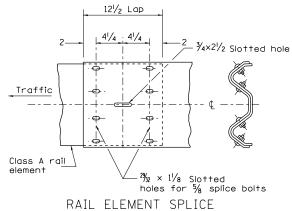
REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL



SPLICE PLATE

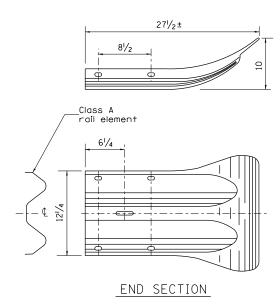


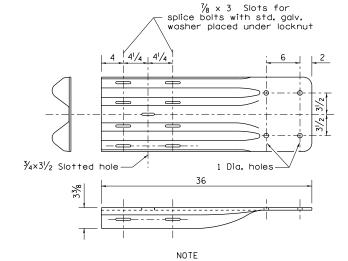
15% Dia. hole

NOT

Anchor plate T shall be used to attach cable assembly to guardrail when required on traffic barrier terminals.

ANCHOR PLATE T DETAILS



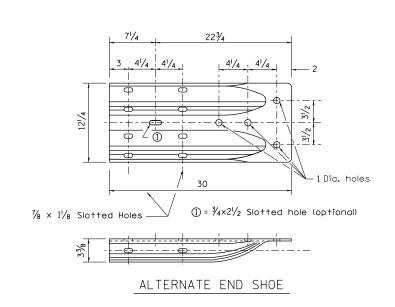


When end shoe is attached to a bridge parapet which has an expansion joint, the bolts shall be provided with a locknut or double nut and shall be tightened only to a point that will allow guardrail movement.

The standard end shoe shall be attached to the concrete with pre-drilled or self-drilling anchor bolts. The anchor cone shall be set flush with the surface of the concrete.

Externally threaded studs protruding from the surface of the concrete will not be permitted. $% \left(1\right) =\left(1\right) \left(1\right) +\left(1\right) \left(1\right) \left(1\right) +\left(1\right) \left(1\right)$

END SHOE



HBM ENGINEERING GROUP, LLC.	4415 WEST HARRISON ST. SUITE 231	
CONSULTING & DESIGN INSPECTION & RATING RESEARCH & TESTING	HILLSIDE, IL 60162 PHONE: (708) 236-0900 FAX: (708) 236-0901	
RESEARCH & TESTING	FAX1 (100/ 236-030)	DATE - 03/13/2013

CHECKED - MI			DESIGNED	-	DISTRICT 2	REVISED	-
2	'		CHECKED	-	MI	REVISED	-
DATE - 03/13/2013 CHECKED - JMG, MAI REVISED -			DRAWN	-	DISTRICT 2	REVISED	-
	DATE -	03/13/2013	CHECKED	-	JMG, MAI	REVISED	-

DISTRICT 2 STANDARD - 53.1						
EB US ROUTE 20 OVE	R PECATON	IICA	RIVE	R STRUCTURE	NO. 089-0042	
	SHEET NO.	4 OF	4 SH	EETS		

A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
0301	(177-4B-1)M	STEPHENSON	43	17			
CONTRACT NO. 64J24							
ILLINOIS FED. AID PROJECT							