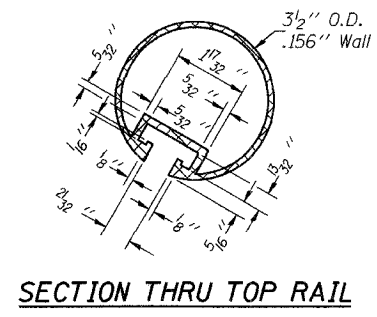
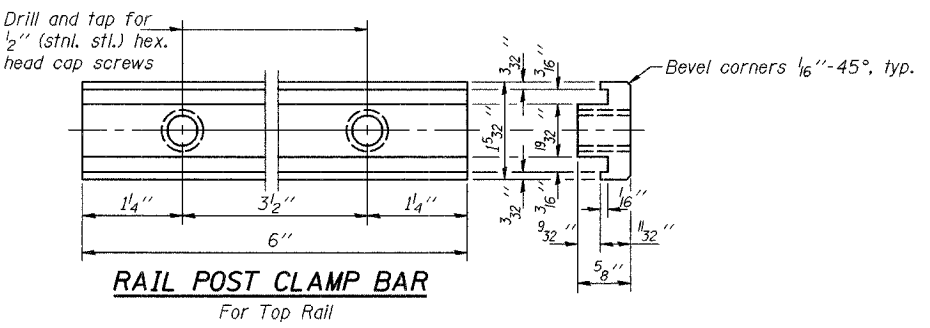


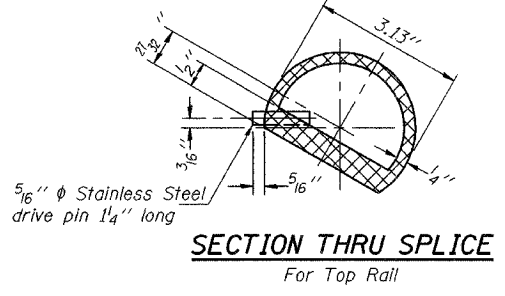
ROUTE NO.	SECTION	COUNTY	SHEET	TOTAL SHEETS
5102		WINNEBAGO	18	11
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT BHM-5099(164)	
* 03-00336-00-BR				



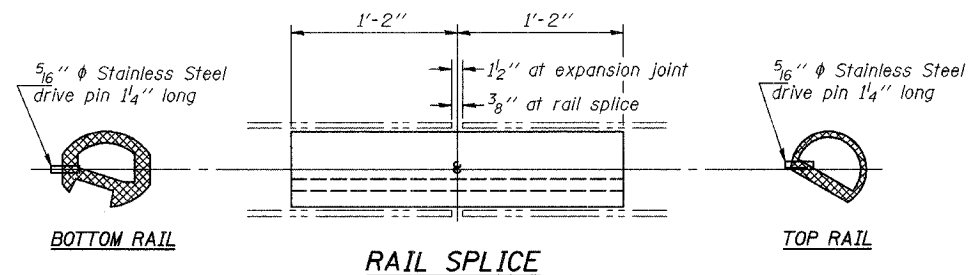
SECTION THRU TOP RAIL



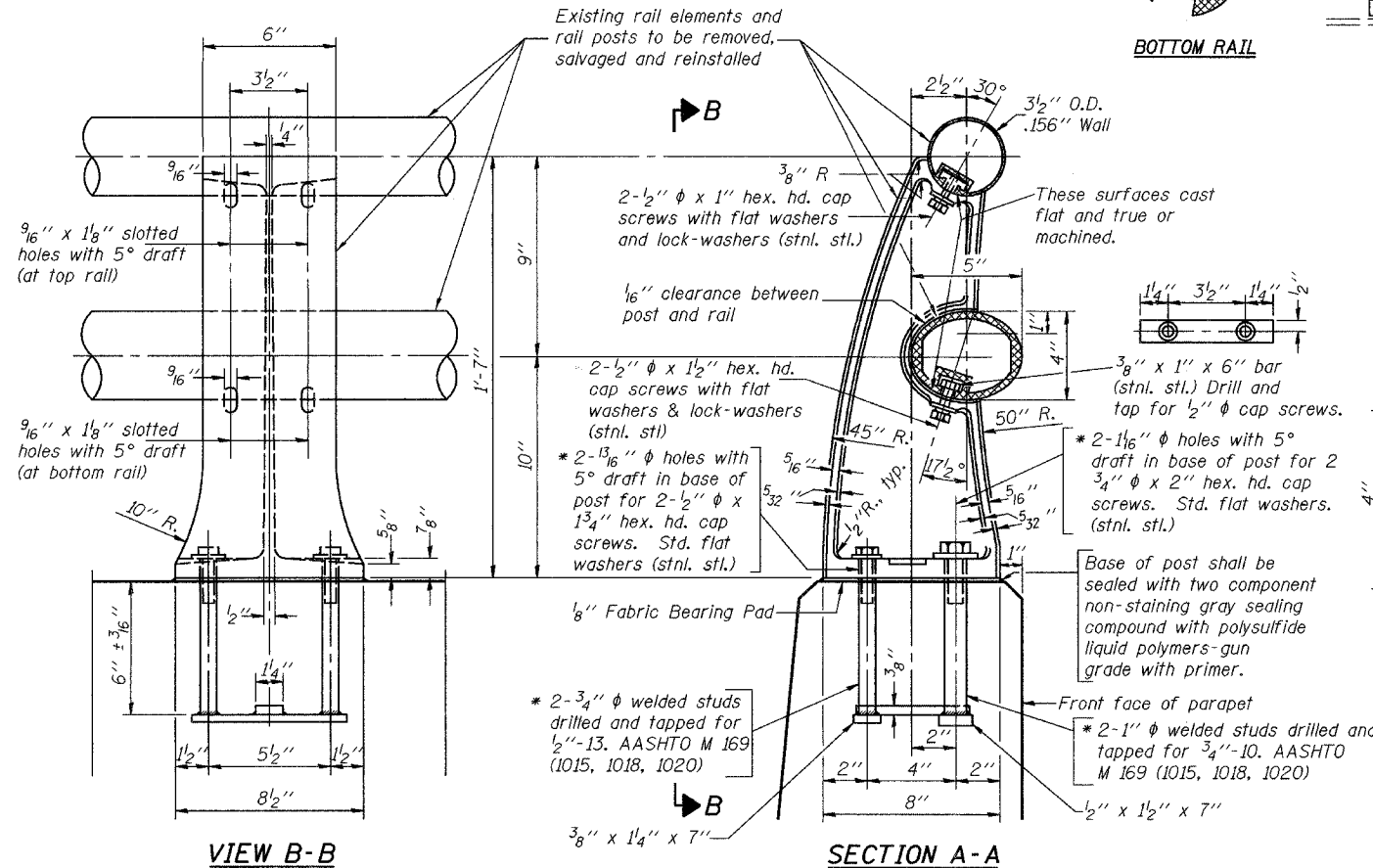
RAIL POST CLAMP BAR
For Top Rail



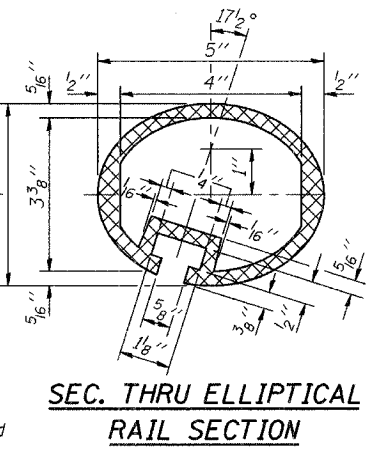
SECTION THRU SPLICE
For Top Rail



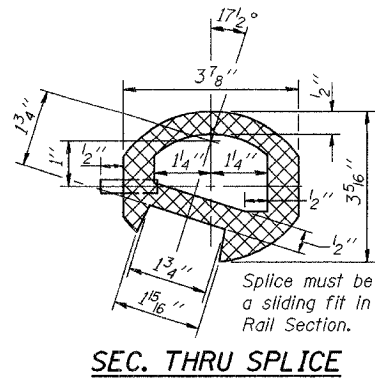
RAIL SPLICE



RAIL POST DETAILS



SEC. THRU ELLIPTICAL RAIL SECTION



SEC. THRU SPLICE

NOTES:

All Posts shall be normal to parapet.
 All joints in rail shall be spliced per detail.
 Provide 1-1/8" and 2-1/16" Aluminum Shims for 25% of the Posts.
 Rail elements shall be parallel to Grade-high spots will be ground and low spots shimmed.
 Railing shall be according to Section 509 of the Standard Specifications, except as noted, and will be paid for at the contract unit price per foot for REMOVING AND RE-ERECTING EXISTING RAILING.
 Existing rail elements and rail posts to be removed, salvaged and reinstalled. All other items are to be new as indicated in the Special Provisions.

BILL OF MATERIAL

Item	Unit	Quantity
REMOVING AND RE-ERECTING EXISTING RAILING	Foot	200

Corporate License Number 184-001-084

ALUMINUM RAILING DETAILS

CENTRAL AVENUE BRIDGE
 OVER NORTH FORK OF KENT CREEK
 F.A.U. ROUTE 5102
 SECTION 03-00336-00-BR
 WINNEBAGO COUNTY
 STRUCTURE NUMBER 101-3023
 STATION 13+45

© Copyright Hanson Professional Services Inc. 2005



JOB NO.
03R1809
DATE
4/28/06

11/24/05 AM
 01/30/2006
 I:\03\0850\03R1809\Struct\Sheet\03-RAIL DET.MLS.dgn

LAYOUT	11/24/05
DRAWN	12/09/05
REVIEWED	12/27/05

* In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and epoxy grouting stainless steel anchor rods of the same diameter and grade as the specified cap screws. Embedment shall be according to the manufacturer's specifications.