

ROUTE	SECTION	COUNTY	TOTAL SHEET NO.
T.R. 200	01-16117-00-BR	JACKSON	15 12

NOTES

Hollow structural steel tubing shall conform to the requirements of ASTM designation A-500 Grade B Structural Steel Tubing and shall meet the longitudinal CVN requirements of 15 ft.-lbs. at 0° F.

All other steel shapes and plates shall conform to the requirements of AASHTO M-270 Grade 36 except posts and angles shall conform to AASHTO M-270 Grade 50.

Bolts, cap screws, and nuts shall conform to the requirement of ASTM designation A-307 except for high strength bolts, nuts and washers noted which shall conform to AASHTO M-164.

All bolts, nuts, cap screws, washers and lock washers shall be galvanized in accordance with AASHTO M-232.

All posts, railing, rail splices, anchor devices and angles shall be galvanized after shop fabrication in accordance with AASHTO M-311 and ASTM A-385. Galvanized rail shall not be painted.

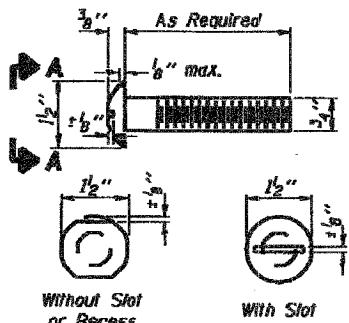
For multi-span bridges, sufficient $\frac{1}{4}'' \times 6'' \times 1'-2''$ galvanized steel shims shall be provided to align rail between adjacent spans. Cast incidental to Steel Railing Type S-1.

All field drilled holes shall be coated with an approved zinc rich paint before erection.

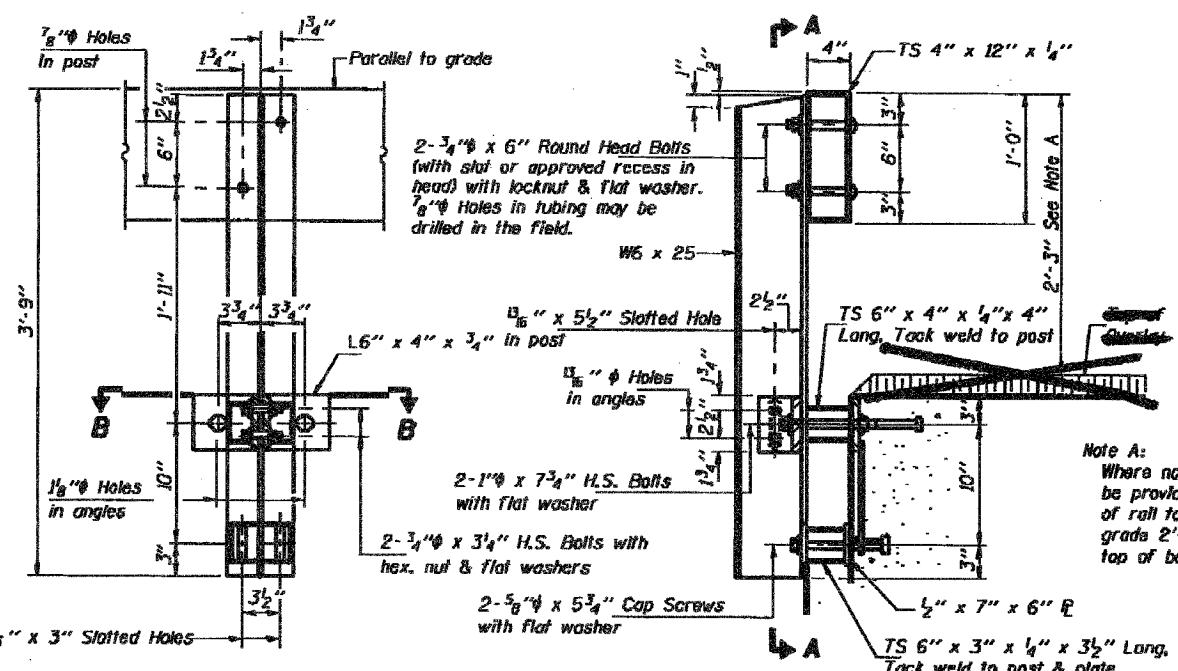
The $\frac{1}{2}'' \times 7'' \times 6''$ plates that come in contact with concrete shall receive two coats of asphalt paint conforming to Section 780.07 Type II or place $\frac{1}{2}$ " fabric bearing pads between the plates and concrete.

The $\frac{1}{2}''$ high strength bolts used to connect the $6'' \times 4'' \times \frac{3}{4}''$ angles to the post shall be tightened in accordance with Article 505.04 (f) (3) of the Standard Specifications. The $\frac{1}{2}''$ high strength bolts connecting the angles to the concrete shall be tightened to a snug fit and given an additional $\frac{1}{2}$ turn. The $\frac{5}{8}''$ cap screws in bottom of posts shall be tightened to a snug fit only.

The maximum allowable rail post spacing shall be 10'-6". The rail post spacing shown elsewhere in the plans is based on the allowable spacing for another type of rail. When this type of rail is used, the number of posts may be decreased and the post spacing increased to provide equal post spaces of 10'-6" or less.

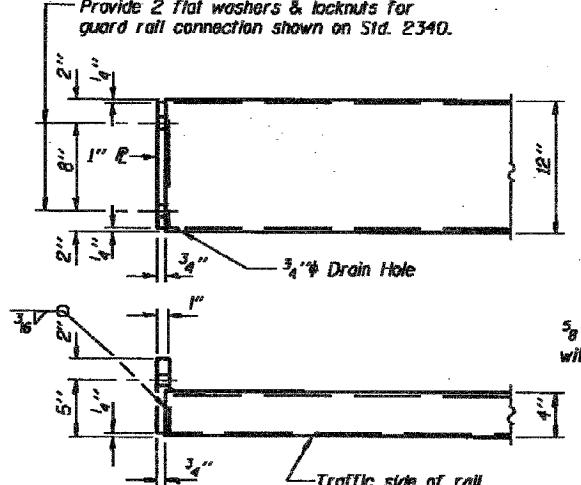


VIEW A-A
ROUND HEAD BOLT



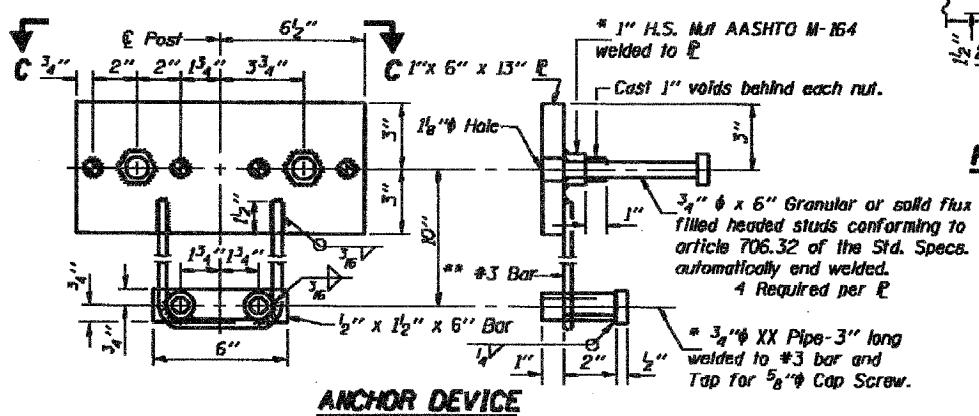
SECTION A-A

$\frac{1}{2}''$ Holes for $1\frac{1}{4}'' \times 4''$ Round Head Bolts.
Provide 2 flat washers & locknuts for
guard rail connection shown on Std. 2340.

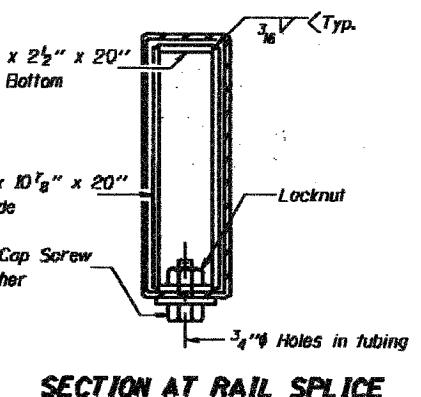


END OF RAIL DETAILS

** Whenever the lower insert assemblies interfere with strand locations, the #3 bars shall be cut and adjusted in order to allow raising or lowering of the lower inserts.
Maximum adjustment not to exceed $\frac{1}{2}$ ".

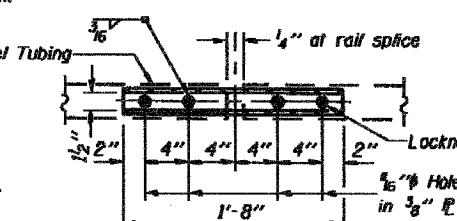


SECTION B-B

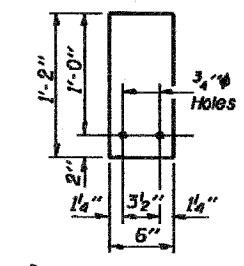


SECTION AT RAIL SPlice

* Threaded areas shall be
plugged or blocked off
during casting of beam.

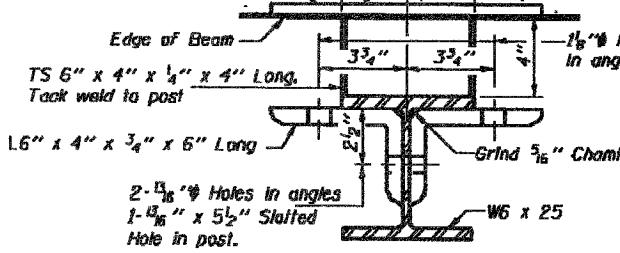


PLAN-BOTT. SPLICE P
TYPICAL

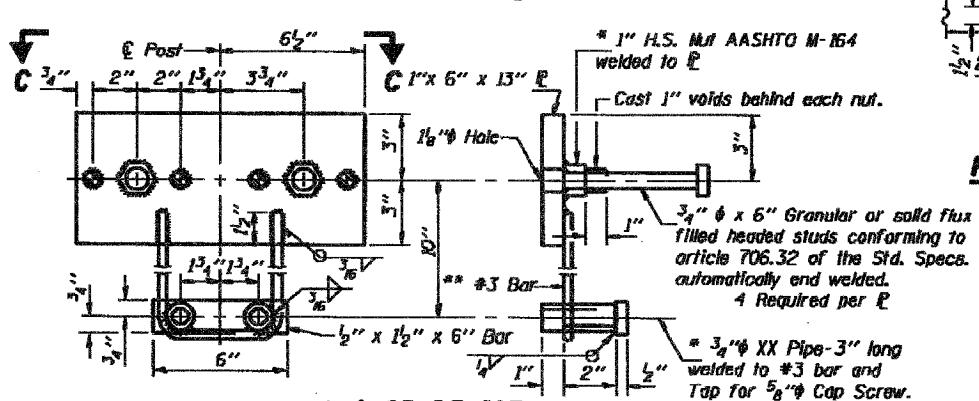


4" SHIM PLATE

	Mississippi Department of Transportation
PASSED November 1, 1995	
Oggi D. Kowar Engineer of Bridge Design	
APPROVED November 1, 1995	
Robert E. Anderson Engineer of Bridges and Structures	



SECTION B-B



STEEL RAILING, TYPE S-1
STANDARD CR-TSI