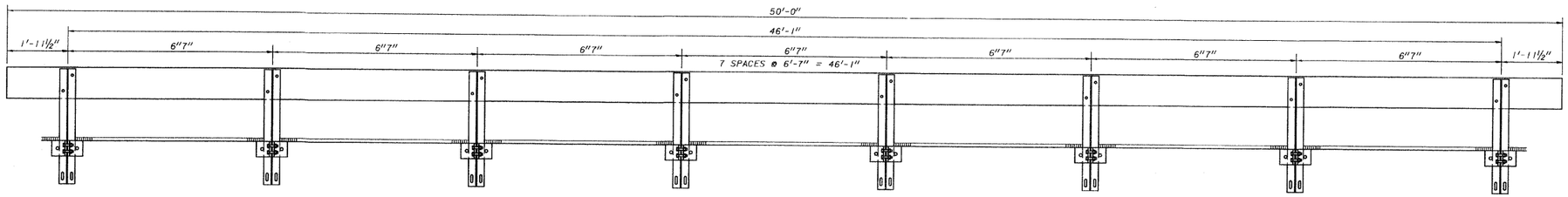
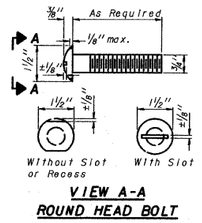
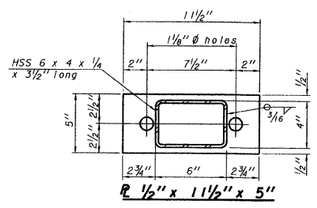
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
T.R. 265	08-01190-00-BR	UNION	19	17
JOB NO. C-99-542-08		PROJECT NO. BROS-181(045)		
LINGLE CREEK ROAD		CONTRACT NO. 99359		



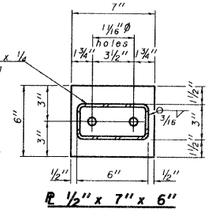
ELEVATION VIEW



VIEW A-A ROUND HEAD BOLT

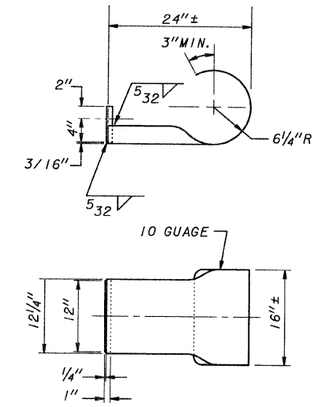


PL 1/2" x 11 1/2" x 5"

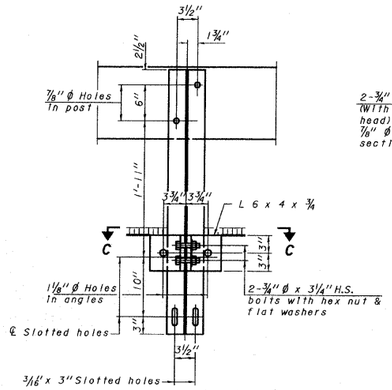


PL 1/2" x 7" x 6"

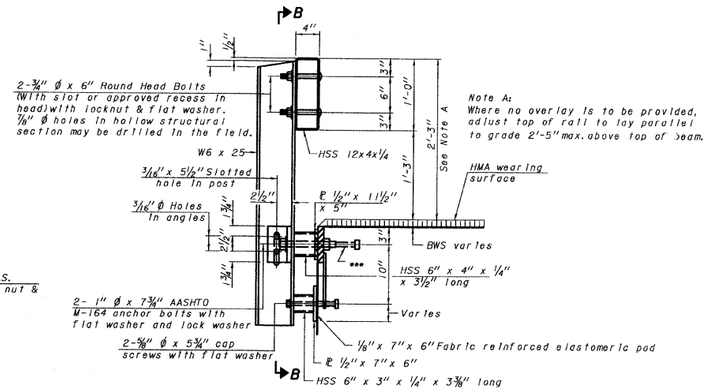
NOTE: CURLED END SECTION INCIDENTAL TO STEEL RAILING. (4) REQUIRED



CURLED END SECTION DETAILS



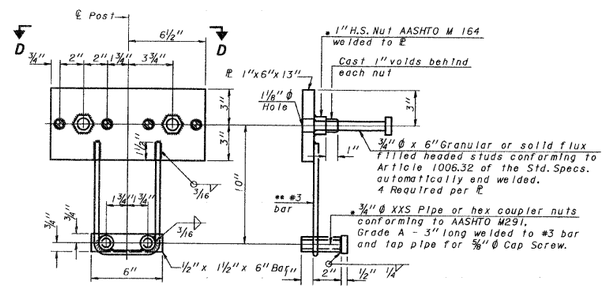
SECTION B-B



SECTION AT RAILING POST

Note A:
Where no overlay is to be provided, adjust top of rail to lay parallel to grade 2'-5" max. above top of beam.

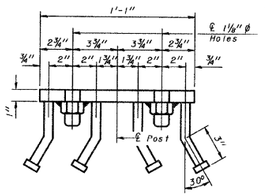
** Whenever the lower insert assemblies interfere with strand locations, the #3 bars shall be cut and adjusted in order to allow raising or lowering of the lower inserts. Maximum adjustment not to exceed 1/2".



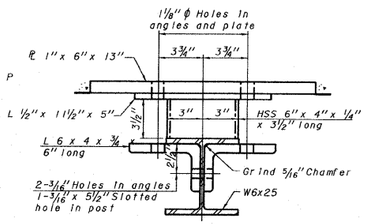
ANCHOR DEVICE

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

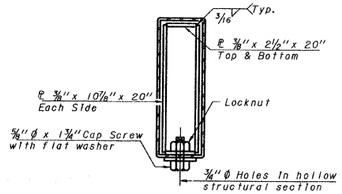
Notes:
All field drilled holes shall be coated with an approved zinc rich paint before erection.
For multi-span bridges, sufficient 1/4" x 6" x 1'-2" galvanized steel shims shall be provided to align rail between adjacent spans. Cost included with Steel Railing, Type S-1.
All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.
*** The studs of the anchor devices shall be placed below the top reinforcement bars and the outermost longitudinal reinforcement bar shall be placed directly above the studs of the rail post anchor device.



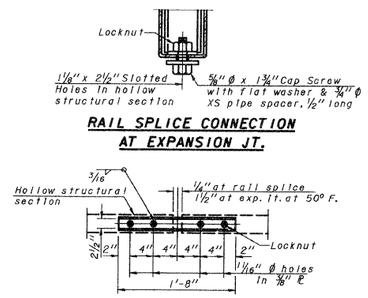
VIEW D-D



SECTION C-C

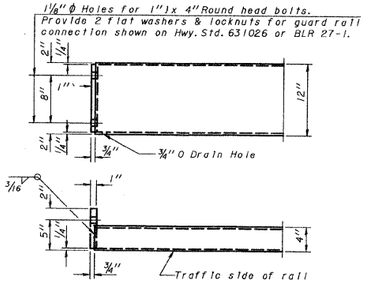


SECTIONS AT RAIL SPLICE



RAIL SPLICE CONNECTION AT EXPANSION JT.

PLAN-BOTT. SPLICE PL TYPICAL



END OF RAIL DETAILS

BILL OF MATERIAL

Item	Unit	Quantity
Steel Railing, Type S-1	Foot	

UNION COUNTY HIGHWAY DEPARTMENT UNION COUNTY, ILLINOIS
LINGLE CREEK ROAD
STEEL RAILING, TYPE S-1