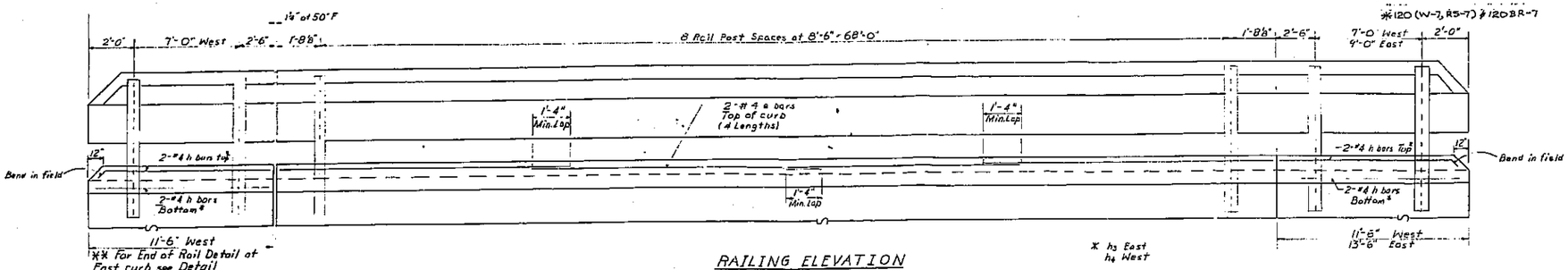
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

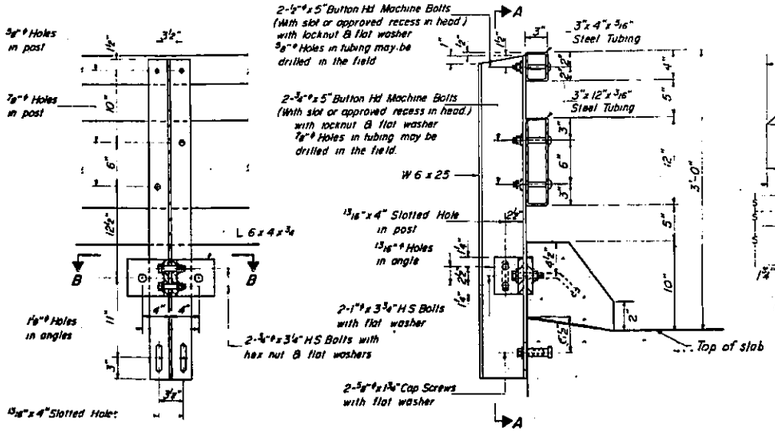
F.A.510 * HANCOCK 28 21

*120 (W-7) RS-7) # 120BR-7



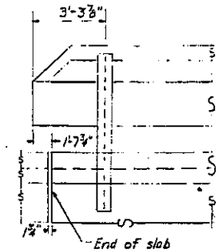
RAILING ELEVATION

Showing outside face of west curb
(East curb similar except at North end. See Detail)

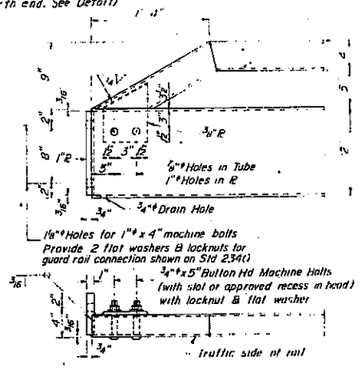


SECTION A-A

SECTION AT RAIL POST



** END OF RAIL DETAIL FOR EAST CURB AT NORTH END



END OF RAIL DETAILS

NOTES

Hollow structural steel tubing shall conform to the requirements of A.S.T.M. designation A-500 Grade B or A-501 Structural Steel Tubing.

All other steel shapes and plates shall conform to the requirements of AASHTO. M-183 except posts shall conform to AASHTO M-198.

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

Railing shall be in accordance with Section 508 of the Standard Specifications, except as noted, and shall be paid for at the contract unit price per lineal foot for STEEL RAILING, TYPE T.

The lower portion of the post flange in contact with concrete shall receive two coats of asphalt paint conforming to Section 714.08 Type B or place ⅛" fabric bearing pad between the post and concrete.

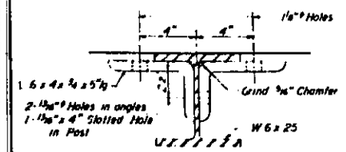
The ¾" ø high strength bolts used to connect the 6 x 4 x ⅜ angles to the post shall be tightened in accordance with Article 507.04(g)(3) of the Standard Specifications. The 1" ø high strength bolts connecting the angles to the concrete shall be tightened to a snug fit and given an additional ½ turn.

For multi-span bridges, sufficient ¼" x 6" x 1'-5" galvanized steel shims shall be provided to align rail between adjacent spans. Cost incidental to Steel Railing.

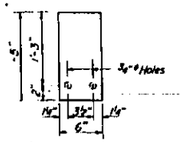
All railing and accessories shall be painted with the basic lead silicon chromate paint system except that the final field coat shall be a maroon finish coat. See Special Provisions.

e Bars on this sheet billed with Superstructure Sheet #3.

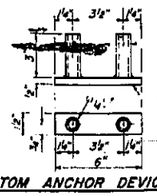
Class X Concrete billed with Superstructure Sheet #3.



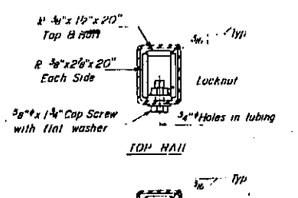
SECTION B-B



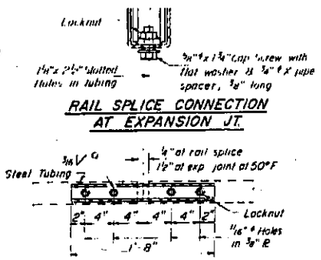
¼" SHIM PLATE

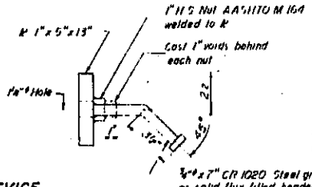


BOTTOM ANCHOR DEVICE



SECTIONS AT RAIL SPLICE





TOP ANCHOR DEVICE

CURB & RAIL BILL OF MATERIAL

Bar	No.	Size	Length	Shape
Reinforcement Bars			Lbs	
Class X Concrete			Cu Yds.	
Steel Railing, Type T			Lin Ft	181

TYPE T STEEL RAILING
F.A. RT. 510 SEC. 120 BR-7
HANCOCK COUNTY
STA. 726 + 15.12

DESIGNED Michael K. Tuckett
CHECKED Dennis A. Peters
DRAWN M. K. T.
CHECKED J.A.B.
EXAMINED
PASSED
APPROVED
DIRECTOR OF HIGHWAYS
JAN. 24 19 78

R-24 12-30-77 (9'-0" Maximum Post Spacing)

R.D.M. FLAT | NOTEBOOK NO. | BY | DATE

SN 034-0057
EXISTING TYPE T RAILING
FOR INFORMATION ONLY
(NOT TO SCALE)