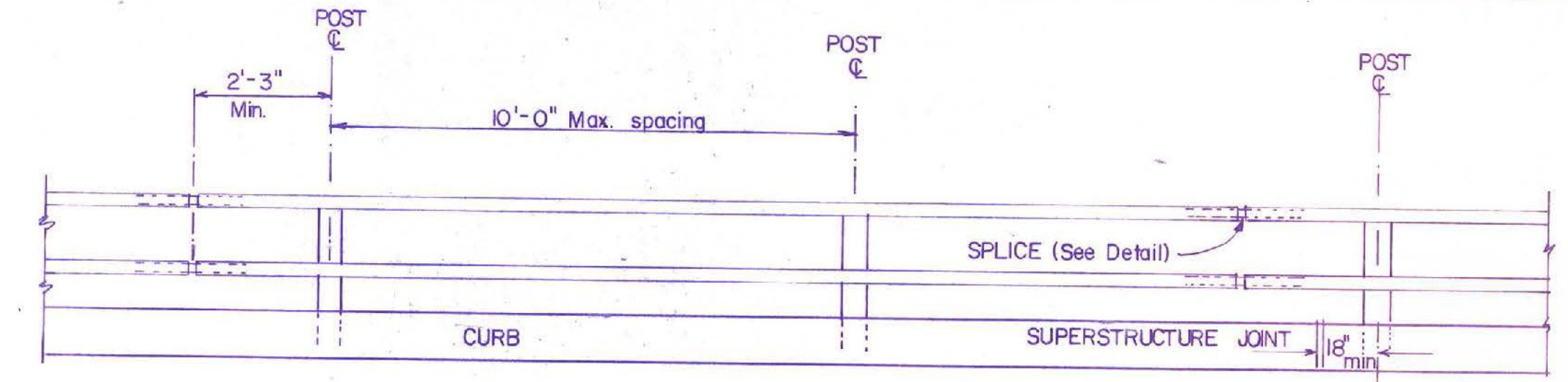
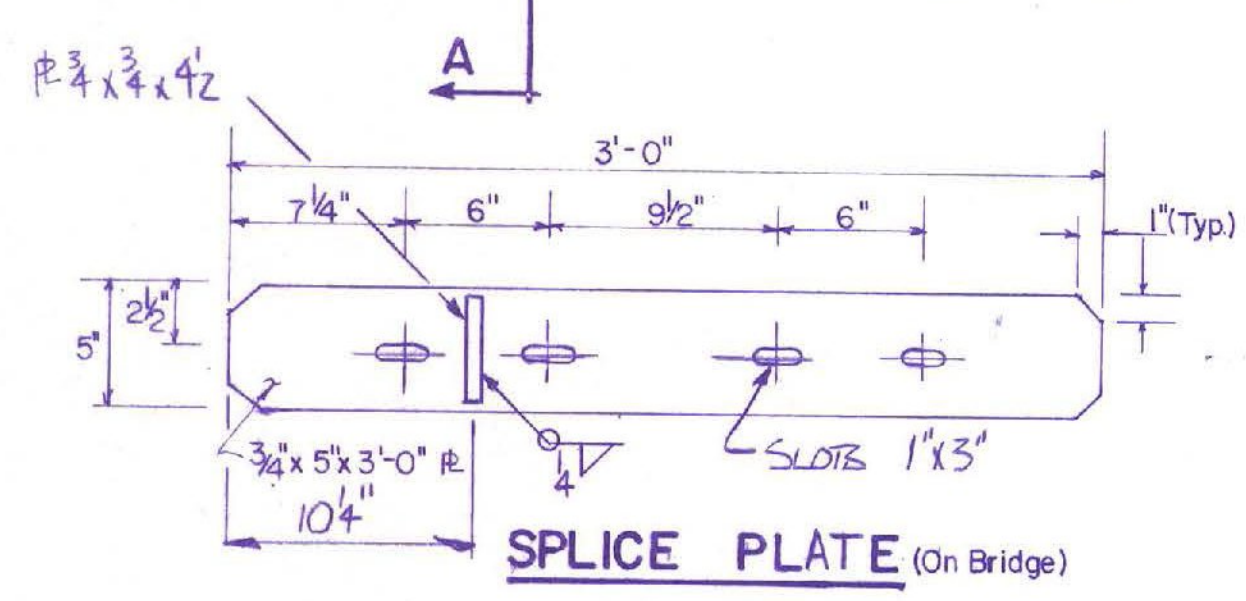
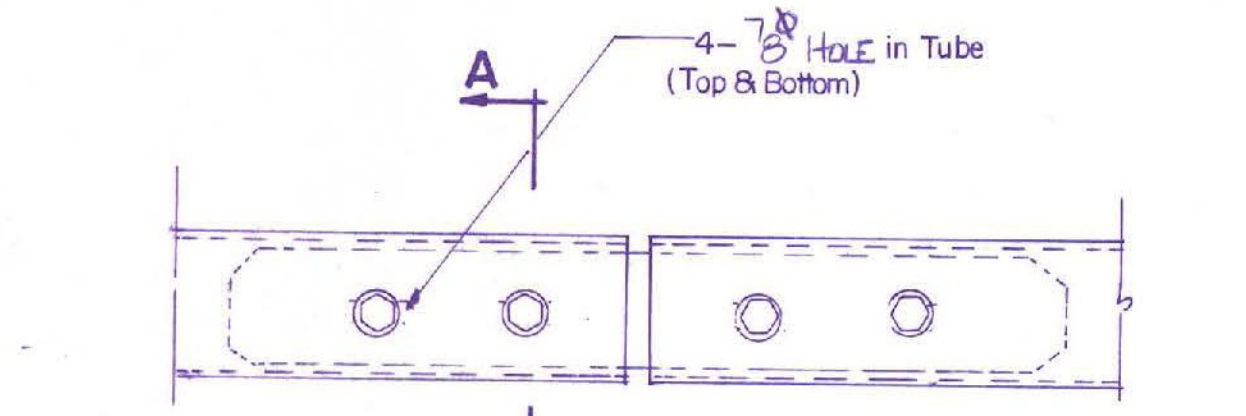


SECTION A-A

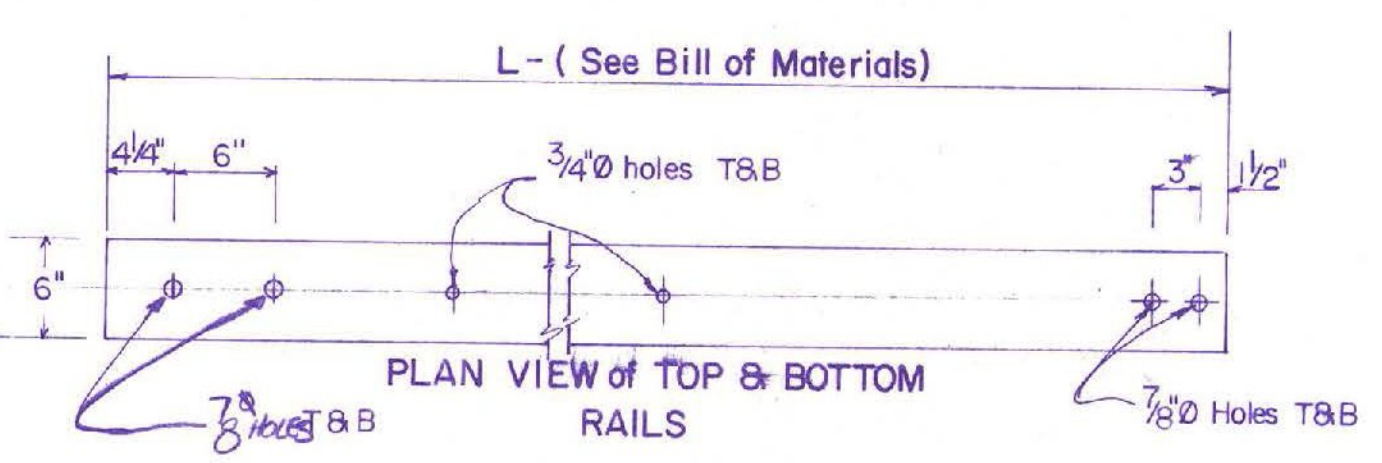
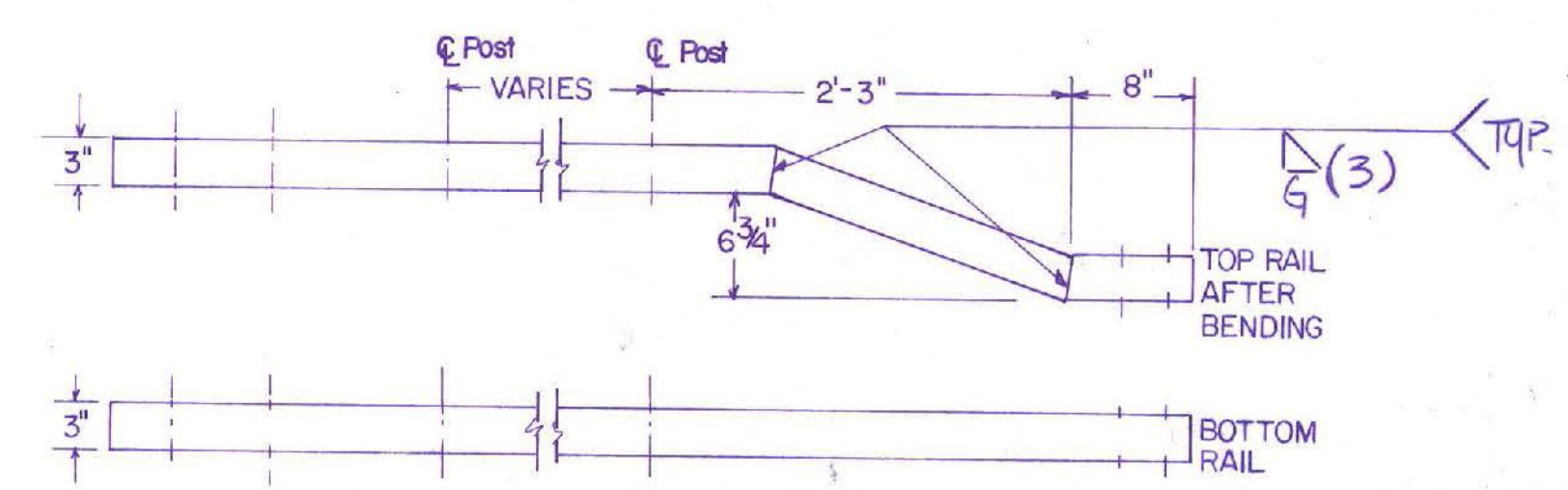
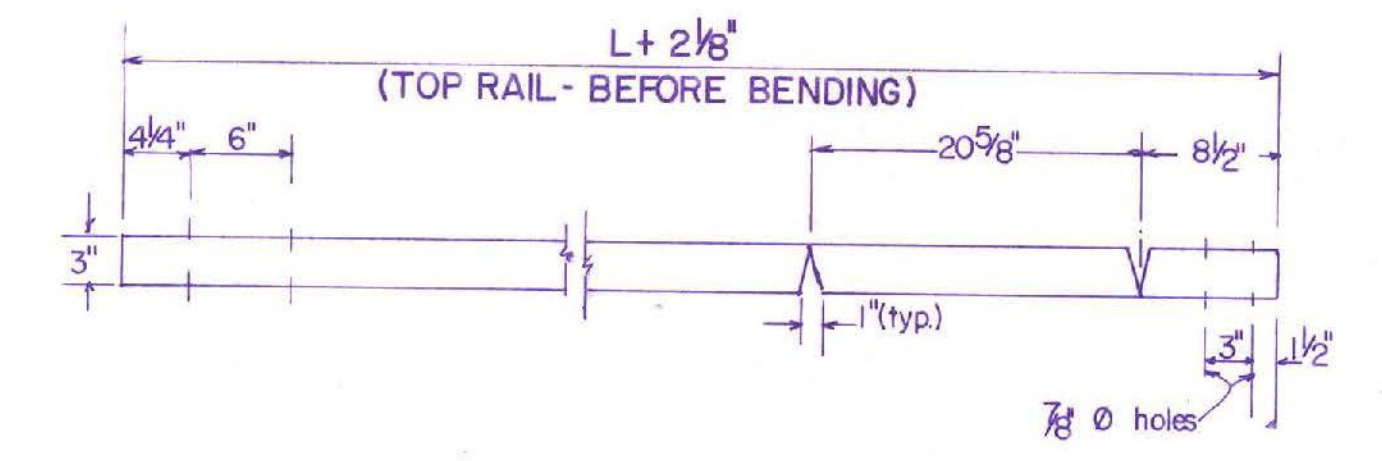


ELEVATION

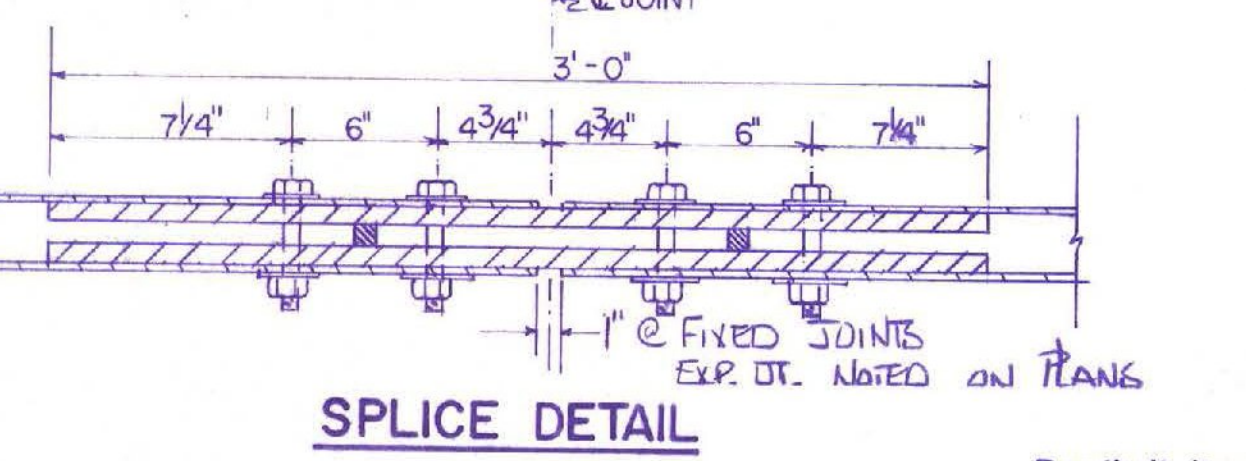
- Railing is designed in accordance with 1981 A.A.S.H.T.O. SPECS. and its latest revisions.
- All plates, angles & shapes shall be ASTM A-36 steel, All bolts shall be ASTM A-307 STEEL unless noted. All hollow structural tubing shall be cold-formed steel tubing conforming to A.S.T.M. A-500,gr.B.
- All components of the railing system shall be galvanized in accordance with ASTM. A-123 / A-153.
- The railing system shall be continuous, with each rail spanning a minimum of two posts. All joints shall be spliced as detailed, with top and bottom railing splices located in the same panels.
- Anchor bolts are to be preset in concrete (By Others)
- Railing is to be paid for per linear foot, and the cost shall include all material necessary to erect complete railing.
- Complete splice include all bolts and washers to be furnished.
- Railing joint splices shall be located at all superstructure joints the bridge railing joint opening shall be a minimum of 1'.
- WELDING shall be performed in accordance with the 1983 AWS Structural Welding Code, and O.W.HUBBELL approved welding procedures. **WELD IDENTIFICATION (1A, 1C, 2A, 3) SEE ATTACHED SHEETS FOR PROCEDURES**



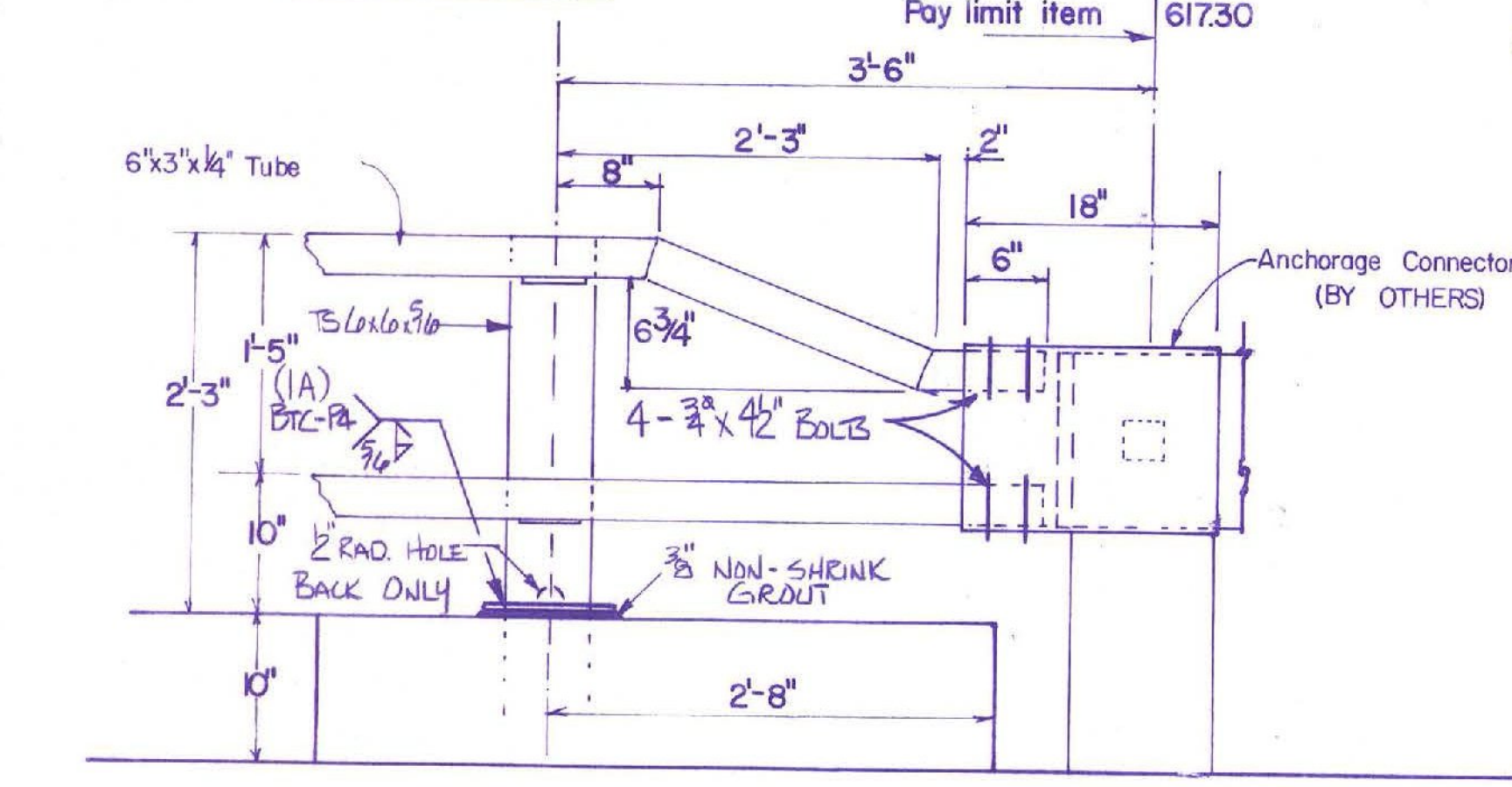
SPLICE PLATE (On Bridge)



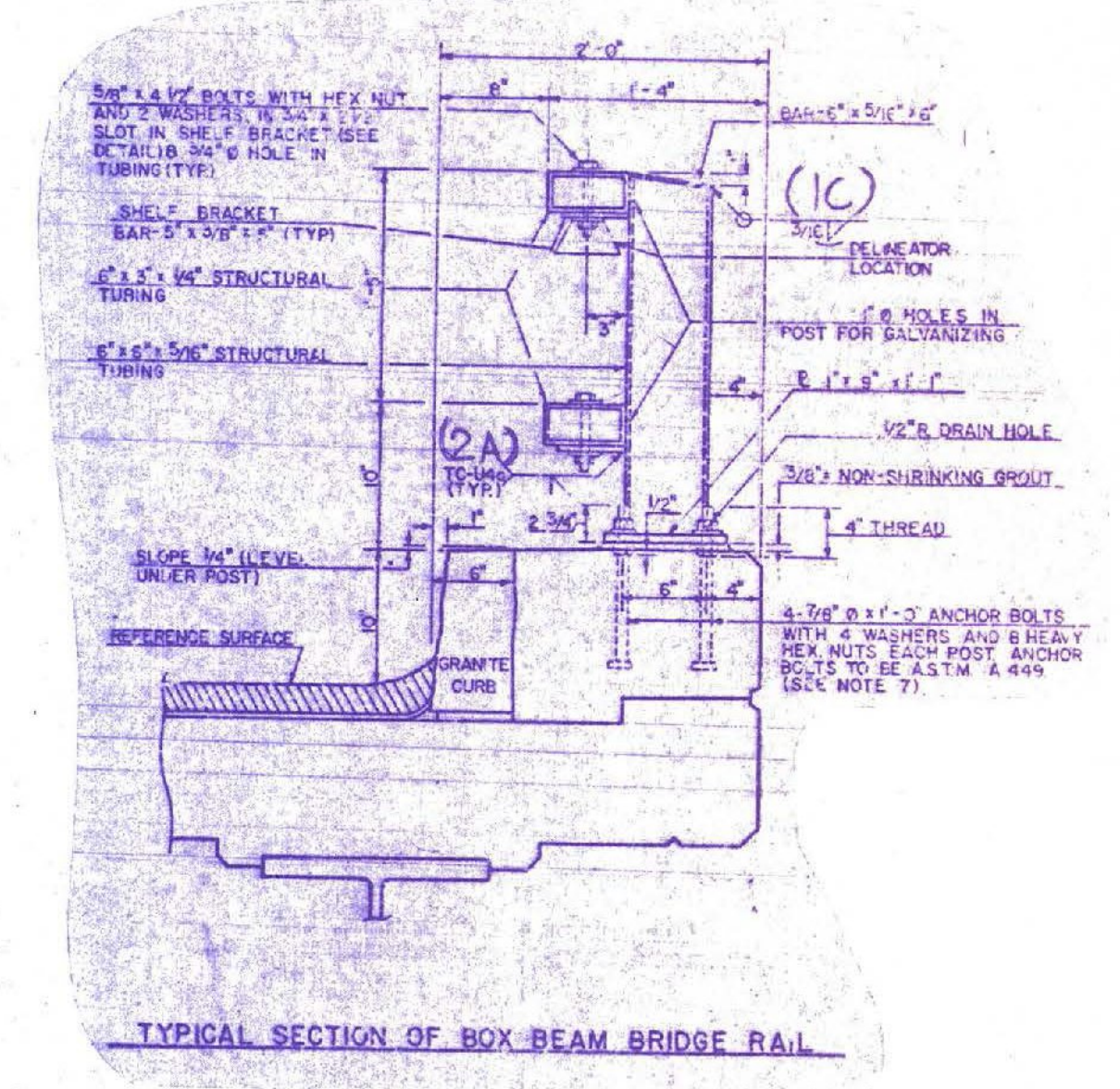
6"x3"x1/4" END SECT RAIL LAYOUT



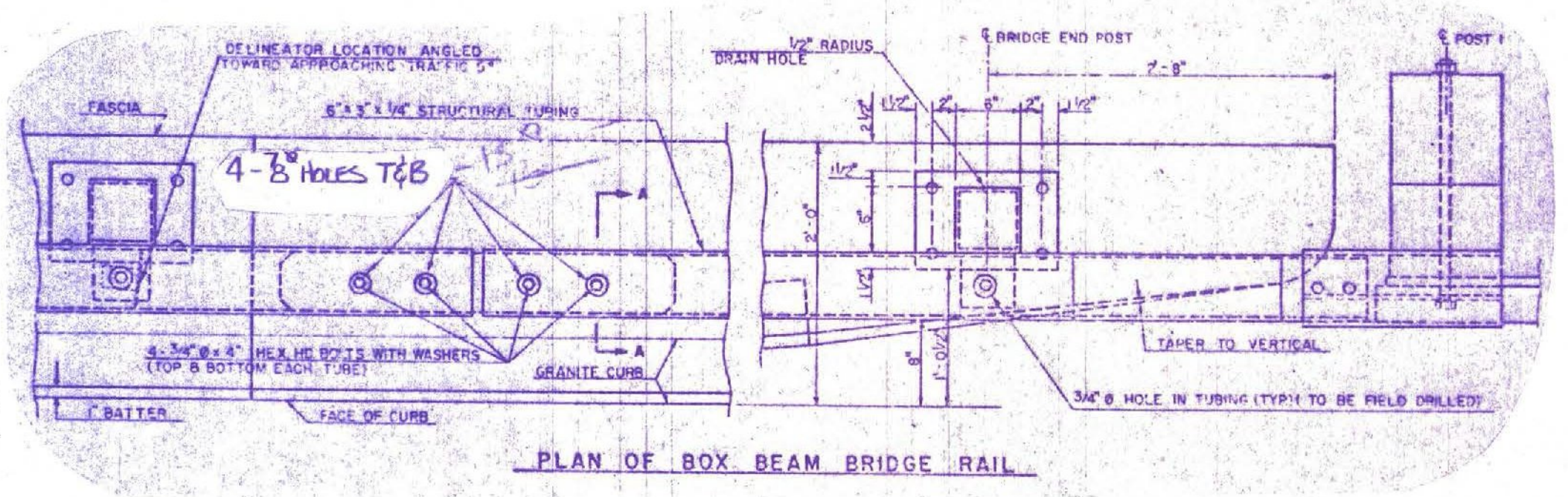
SPLICE DETAIL



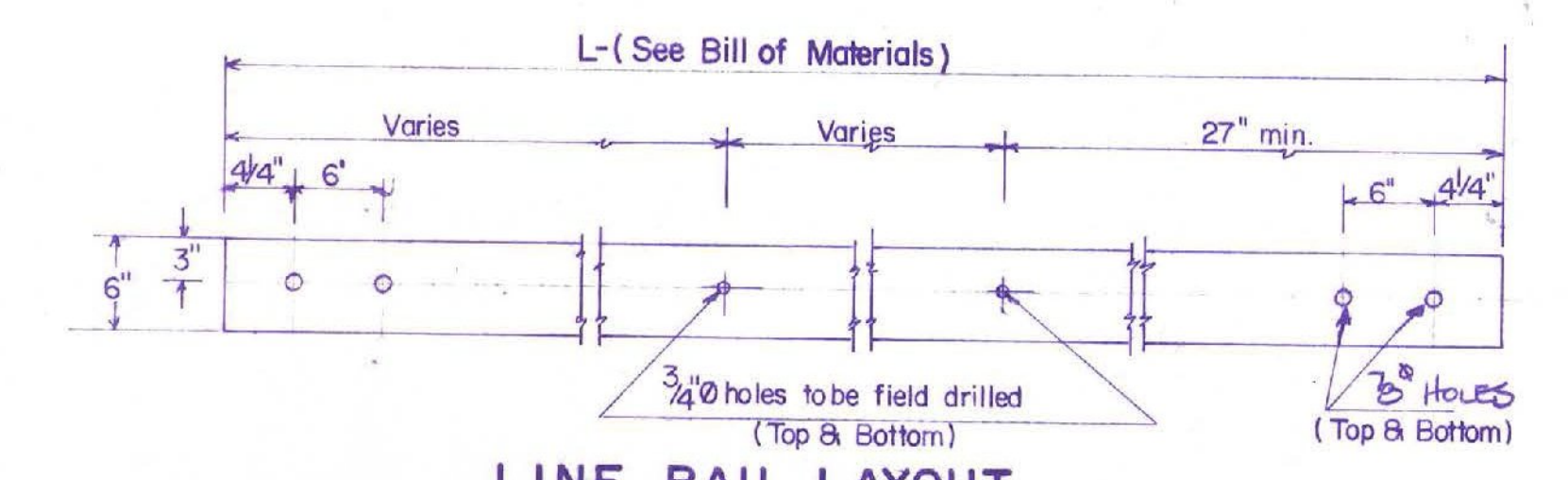
ELEVATION-END OF RAILING



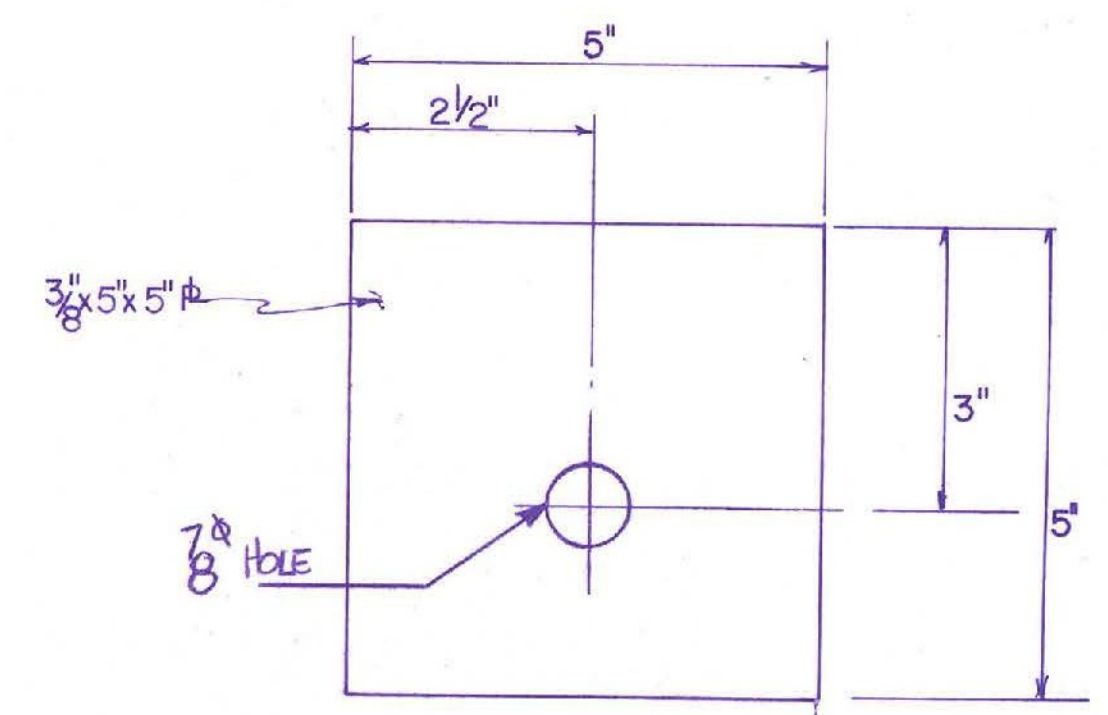
TYPICAL SECTION OF BOX BEAM BRIDGE RAIL



PLAN OF BOX BEAM BRIDGE RAIL



LINE RAIL LAYOUT



SHELF BRACKET DETAIL

FILE SET

RECEIVED JUL 16 1985  
 CWD BY MR OK'D BY  
 RESUBMIT APPROVED  
 BY DATE 7/16/85

DRAWN BY: MR	DATE: 7-10-85	CHECKED BY: MZ	SHEET NO. 4 OF 4
2-RAIL BOX BEAM BRIDGE RAIL DETAILS US RTE 4 OVER DORR DR. COTTER CREEK TOWNS OF RUTLAND & WEST RUTLAND RUTLAND COUNTY STATE OF VERMONT PROJECT # F-EGL-F-020-1 (10) GENERAL CONTRACTOR MASKELL BROTHERS FENCE CO. FABRICATOR O.W. HUBBELL & SONS INC.			
			DS6227