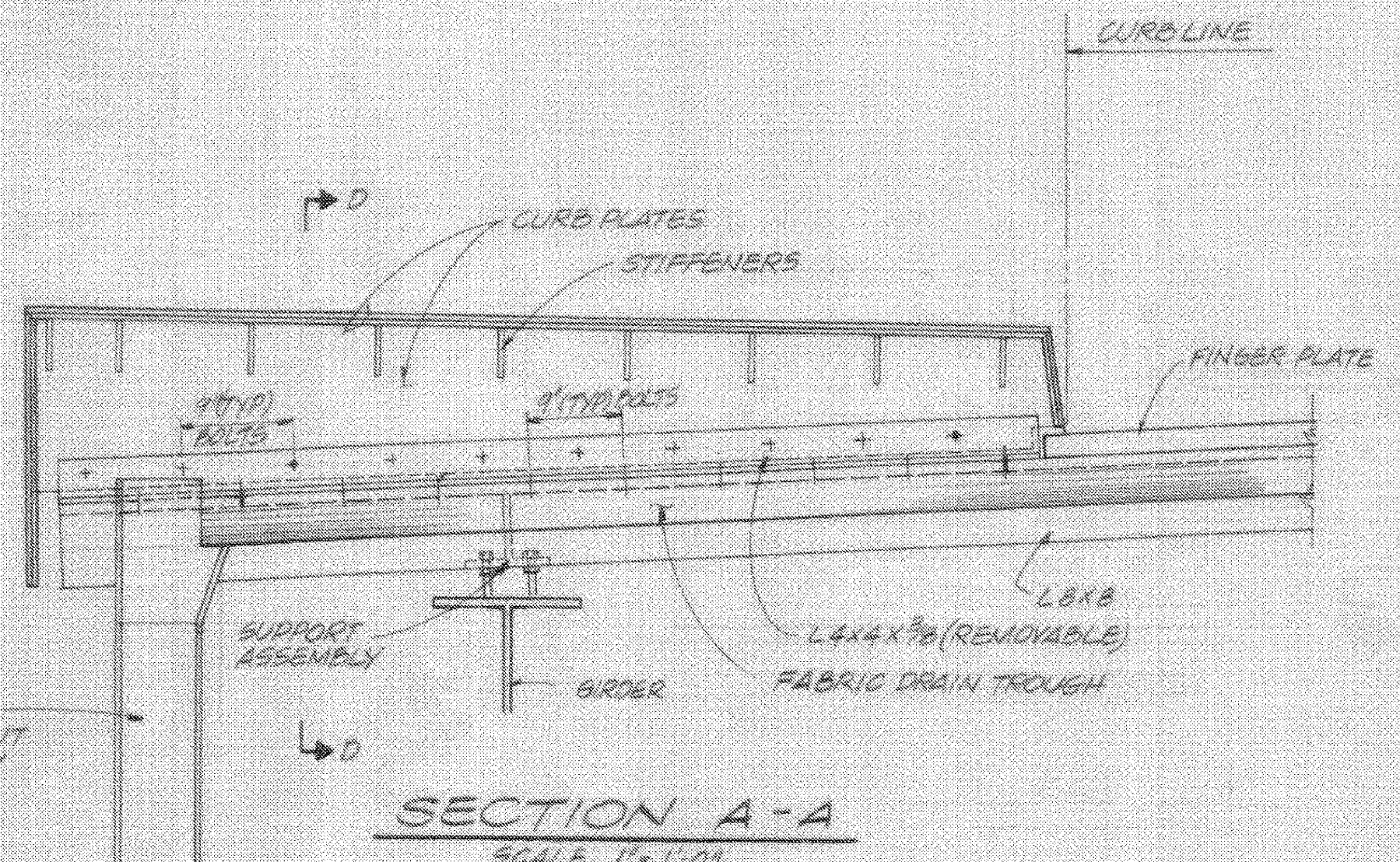
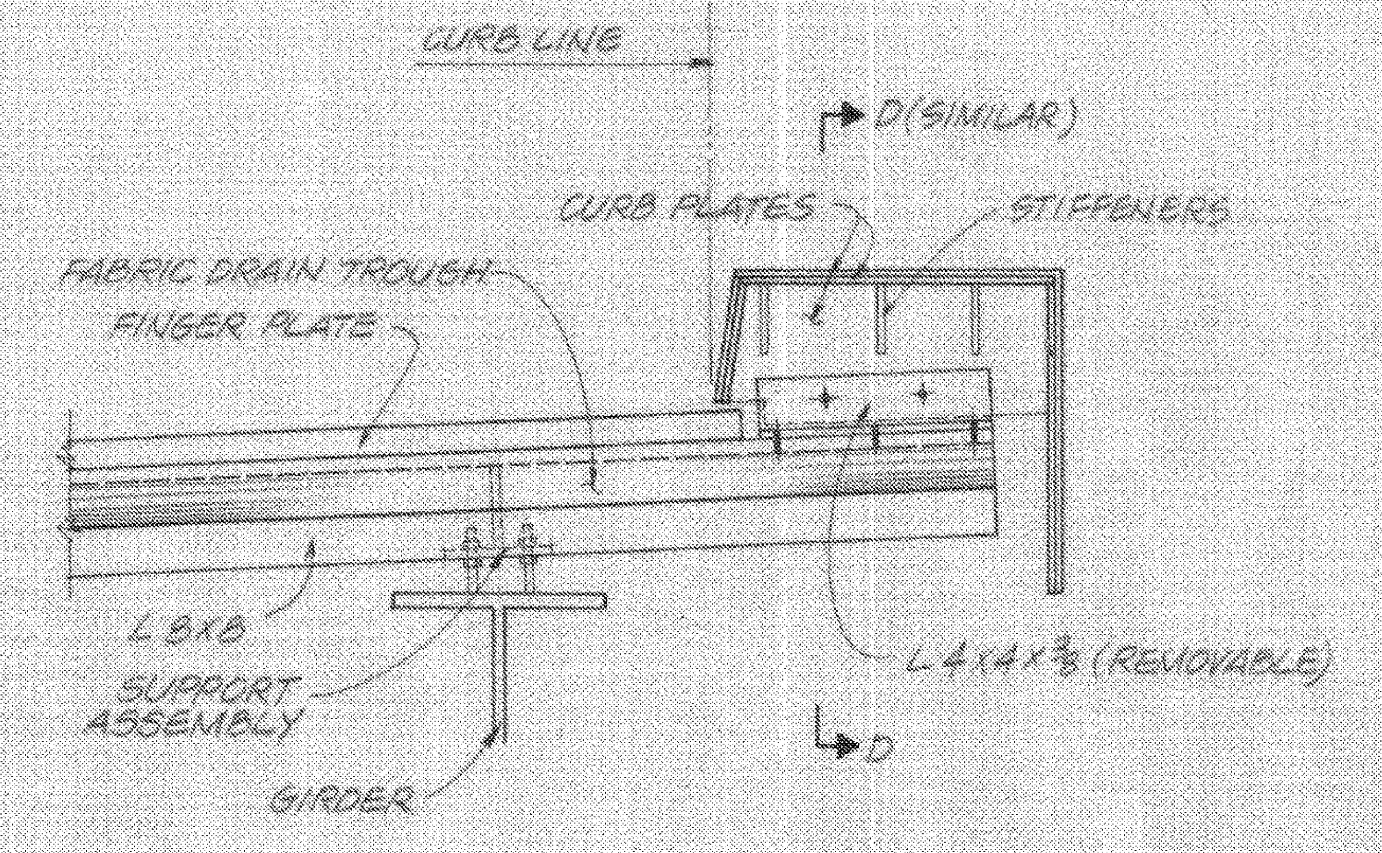


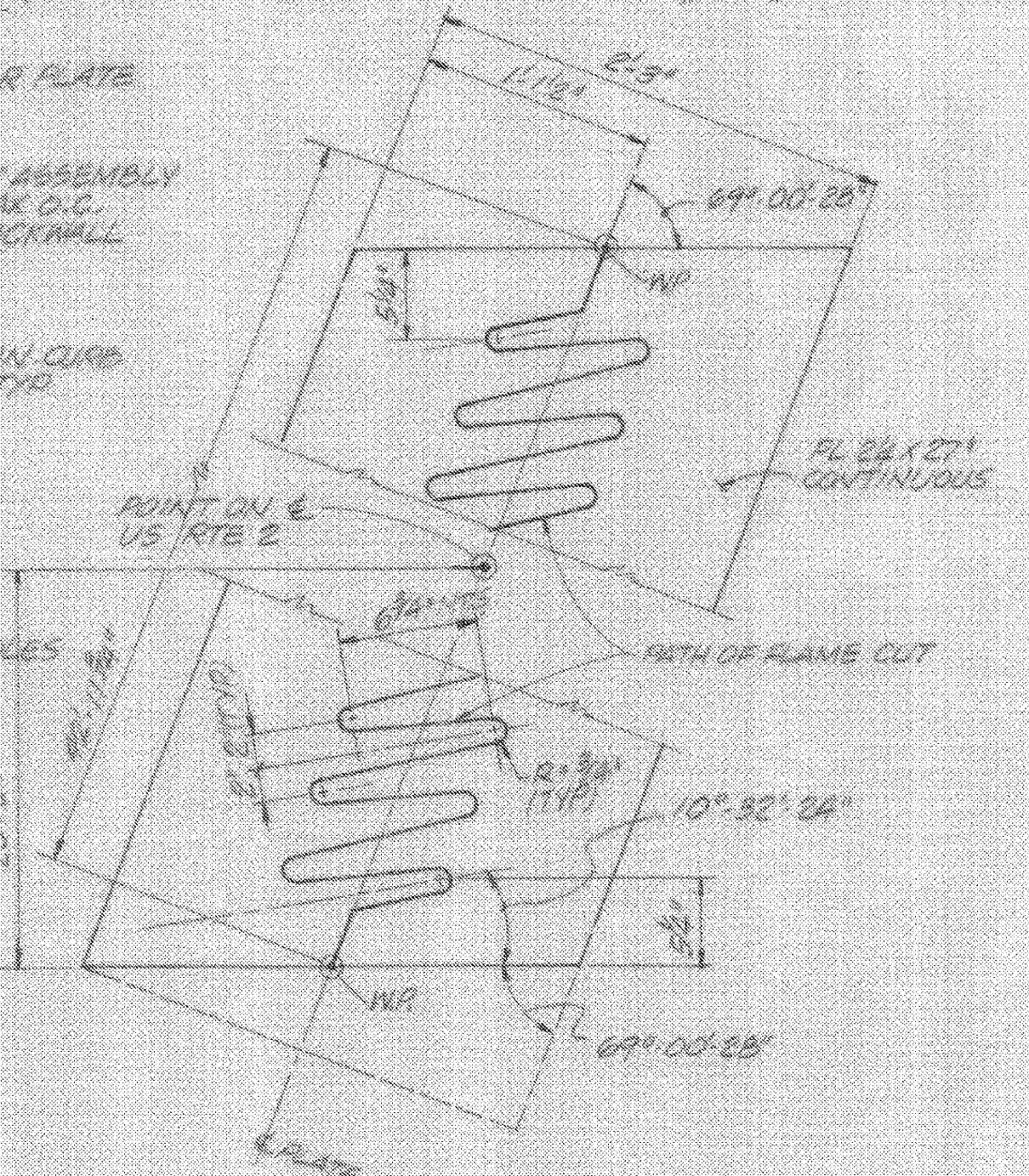
NOTE: SEE SH BR 117 FOR FINGER & SETTING DETAIL  
**PLAN OF EXPANSION JOINT**  
 SCALE 1"=1'-0"



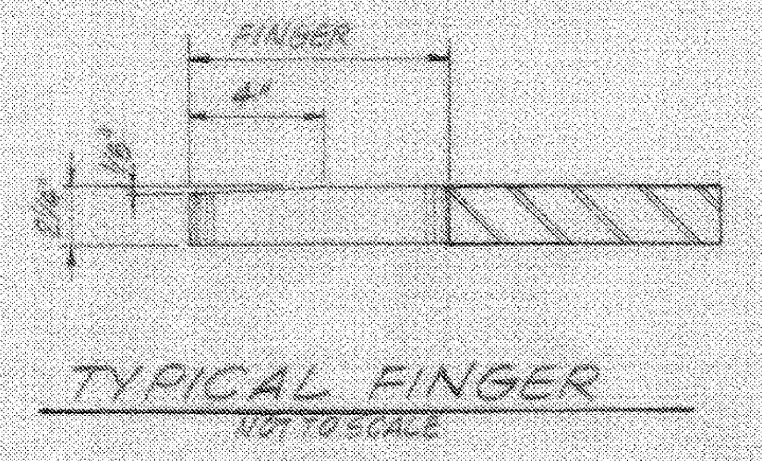
**SECTION A-A**  
 SCALE 1"=1'-0"



**SECTION B-B**  
 SCALE 1"=1'-0"



NOTE: SEE SH BR 117 FOR FINGER & SETTING DETAIL  
**FINGER PLATE CUTTING DETAIL**  
 SCALE 1/2"=1'-0"



**TYPICAL FINGER**  
 1/2" TO SCALE

**JT. DIMENSION TABLE**

TEMP (DEG F)	DIM A	DIM B
0°	+0.825"	+0.968"
15°	+0.550"	+0.676"
30°	+0.275"	+0.383"
45°	0	0
60°	-0.275"	-0.383"
75°	-0.550"	-0.676"
90°	-0.825"	-0.968"
105°	-1.101"	-1.291"

**EXPANSION JOINT NOTES**

- EXPANSION JOINT NOTES**
1. THE FINAL FINISH OF THE EXPANSION JOINT SHALL BE COVERED DURING THE PLACING OF THE BRIDGE DECK CONCRETE.
  2. ALL STEEL COMPONENTS SHALL BE ASTM A-588, UNLESS OTHERWISE NOTED. PAYMENT FOR THE FINGER PLATE ASSEMBLY, COMPLETE IN PLACE, SHALL BE UNDER ITEM 516.10, "BRIDGE EXPANSION JOINT (TOTAL MOVEMENT - 3.23)".
  3. WELDED STUDS SHALL BE INCLUDED IN THE COST FOR ITEM 514.10. THE CURB PLATES SHALL BE GALVANIZED AND PAINTED GRAY IN COLOR (FEDERAL COLOR NO. 28493), IN ACCORDANCE WITH SECTION 513.32(c) "GALVANIZED SURFACES".
  4. THE 3-1/4" THICK FINGER PLATES SHALL BE CUT FROM 2-1/4" x 27" PLATE, AND SEPARATED INTO FOUR SECTIONS (SEE BR 117 FOR DETAILS). THE FABRIC TROUGH SHALL BE CONTINUOUS PREFORMED FABRIC MATERIAL CONFORMING TO SECTION 705.07.
  5. THREE COATS OF PAINT (IN ACCORDANCE WITH SECTION 513) SHALL BE APPLIED TO THE INTERIOR SURFACE OF THE EXPANSION JOINT.
  6. THE HOPPER/DOWNSPOUT ASSEMBLY SHALL BE A-36 STEEL (GALVANIZED). PAYMENT FOR THE HOPPER/DOWNSPOUT ASSEMBLY SHALL BE INCLUDED IN THE UNIT PRICE BID, PER POUND, FOR STRUCTURAL STEEL.
  7. WHERE INDICATED, EPOXY BONDING COMPOUND CONFORMING TO SECTION 719.02 SHALL BE APPLIED. PAYMENT TO BE INCLUDED IN THE UNIT PRICE FOR "CONCRETE, CLASS A", ITEM 501.22.

**STATE OF VERMONT**  
**AGENCY OF TRANSPORTATION**

Town of WATERBURY-DUXBURY-MORETOWN	Bridge No. 48
Highway No. U.S. RTE 2	Log Sta. 15+81
U.S. RTE 2 OVER WINOOSKI RIVER	
<b>FINGER JOINT DETAILS</b>	
Designed By LJC	Drawn By GAT
Checked By DWC Date 6/90	Bridge Design Supervisor DWC Date 9/90
PROJECT WATERBURY-DUXBURY-MORETOWN	PROJECT NO. BRF-013-4(10)
L.C. Info.	
Bridge Sheet No. BR116	Sheet 10 of 162

For Reference Only  
 Waterbury-Moretown  
 BHF MEMB (12)  
 Sheet 10 of 28

**BARNES AND JARNIS, INC.**  
 CONSULTING ENGINEERS  
 BOSTON, MASS.