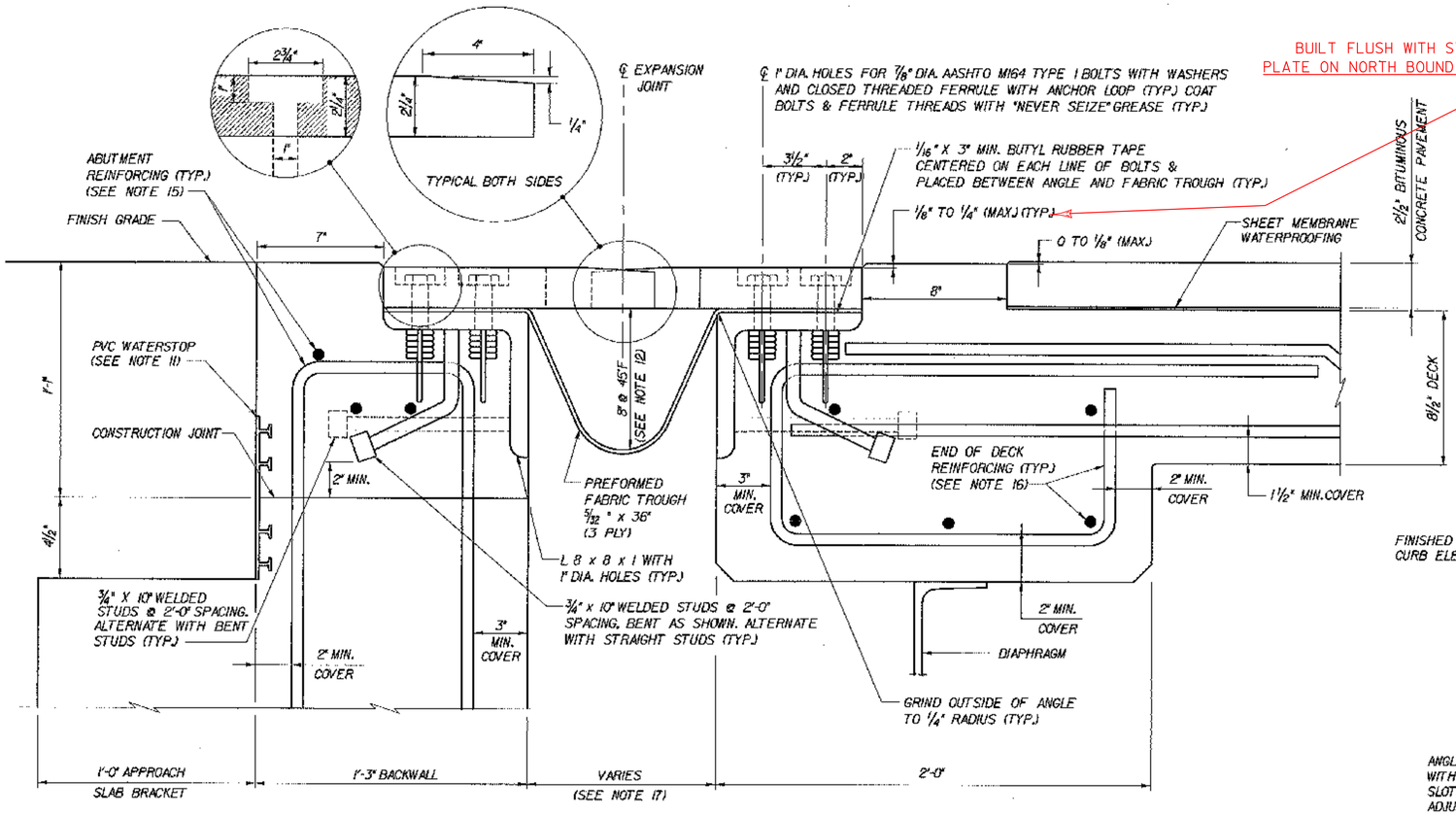
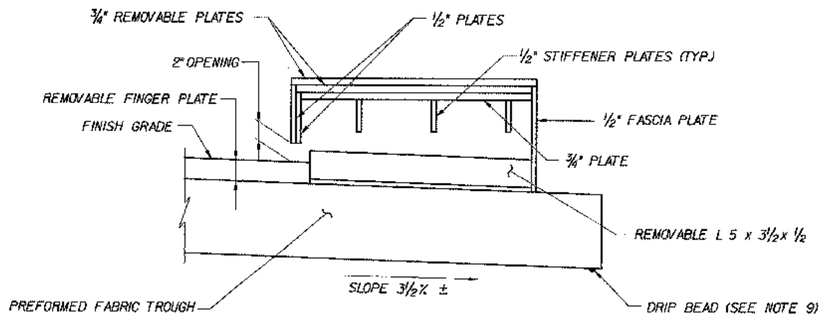


TYPICAL SECTION BETWEEN STRINGERS

(NORMAL TO ℄ BEARING)
SCALE : 3" = 1'-0"

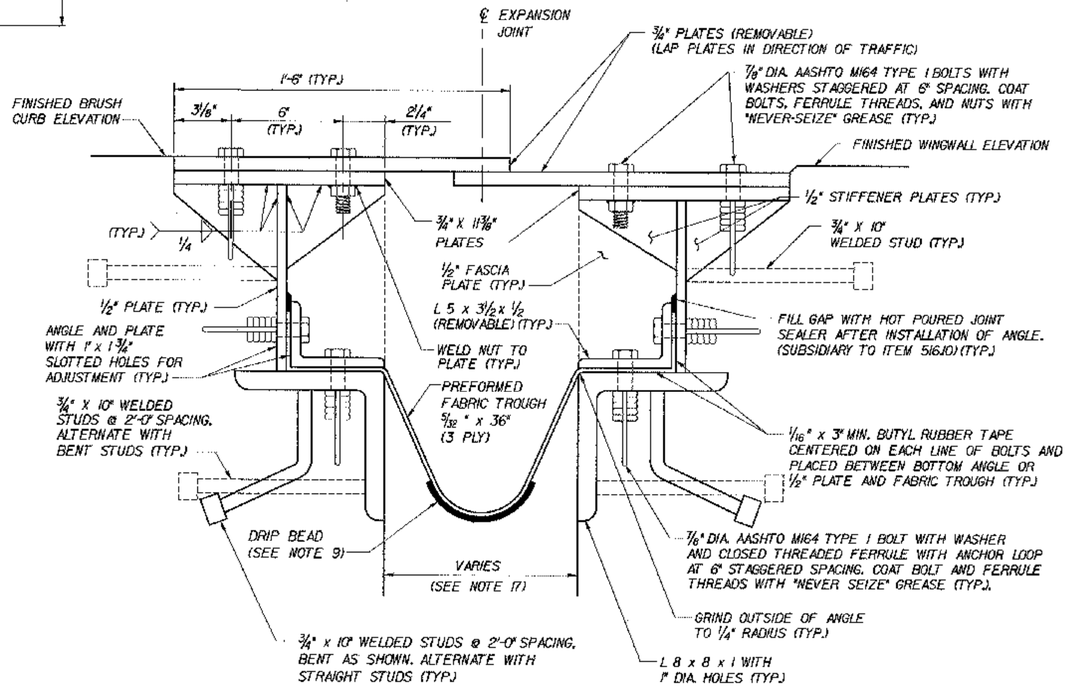
NOTES:

1. DETAILS ON THIS SHEET ARE FOR ITEM 516.10, "BRIDGE EXPANSION JOINT".
2. PREFORMED FABRIC MATERIAL SHALL BE CONTINUOUS AND SHALL CONFORM TO SUBSECTION 707.07 OF THE SPECIFICATIONS.
3. BUTYL RUBBER TAPE SHALL CONFORM TO AASHTO SPECIFICATION M-198, TYPE B.
4. THE FINAL FINISH OF THE EXPANSION DEVICE SHALL BE COVERED DURING THE PLACING OF BRIDGE DECK CONCRETE.
5. STEEL FINGER PLATES SHALL BE AASHTO M270 GRADE 50. ALL OTHER STEEL COMPONENTS SHALL BE AASHTO M270 GRADE 36 UNLESS NOTED OTHERWISE. BOLTS, NUTS & WASHERS SHALL CONFORM TO AASHTO M164 TYPE I, UNLESS NOTED OTHERWISE. ALL STEEL COMPONENTS SHALL BE GALVANIZED OR METALIZED PER SUBSECTION 506.15 OF THE SPECIFICATIONS, UNLESS NOTED OTHERWISE.
6. PAYMENT FOR ITEM 516.10, "BRIDGE EXPANSION JOINT" SHALL INCLUDE THE FABRICATION AND ERECTION OF THE COMPLETE JOINT ASSEMBLY INCLUDING ALL STEEL PLATES, BRACKETS, ANGLES, WELDED STUDS OR RODS, PREFORMED FABRIC DRAIN TROUGH MATERIAL AND PLASTIC DRAIN TUBES, BUTYL RUBBER TAPE, JOINT FILLER AND ANY OTHER MISCELLANEOUS MATERIAL NECESSARY TO INSTALL JOINT.
7. THE 8 x 8 x 1 ANGLES SHALL BE FURNISHED AS ONE CONTINUOUS PIECE. THE FINGER PLATES ON EACH SIDE OF THE JOINT SHALL BE PROVIDED IN TWO EQUAL LENGTHS.
8. COAT CONCRETE CONTACT SURFACES WITH EPOXY BONDING COMPOUND MEETING THE REQUIREMENTS OF SUBSECTION 719.02 OF THE SPECIFICATIONS. PAYMENT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 516.10, "BRIDGE EXPANSION JOINT".
9. A DRIP BEAD OF 1/4" X 7" STRIP OF PREFORMED MATERIAL SHALL BE CEMENTED TO THE BOTTOM OF THE FABRIC TROUGH USING AN ADHESIVE APPROVED BY THE MANUFACTURER. THE DRIP BEAD SHALL BE APPLIED 1" FROM THE DOWNSPOUT END OF THE TROUGH.
10. FILL COUNTERBORED HOLES WITH HOT POURED JOINT SEALER AFTER BOLT INSTALLATION. COSTS FOR THE WORK SHALL BE SUBSIDIARY TO ITEM 516.10.
11. PAYMENT FOR WATERSTOP SHALL BE SUBSIDIARY TO ITEM 501.25, CONCRETE CLASS B.
12. FABRIC TROUGHS SHALL BE INSTALLED SO THAT MINIMUM SLOPE IS 1% FOR POSITIVE DRAINAGE.
13. FABRIC TROUGH SHALL BE THOROUGHLY CLEANED AND FLUSHED AFTER PAVING OPERATION.
14. EXPANSION JOINTS SHALL BE SHOP ASSEMBLED AND SHIPPED AS ONE UNIT FOR EACH BRIDGE JOINT.
15. FOR ABUTMENT REINFORCEMENT DETAILS, SEE TYPICAL EXPANSION ABUTMENT REINFORCEMENT, BRIDGE SHEET C-40.
16. FOR DECK SLAB REINFORCEMENT, SEE THE TRANSVERSE SECTION AND DECK REINFORCEMENT PLANS FOR EACH BRIDGE.
17. SEE BRIDGE SHEET C-37 FOR TEMPERATURE ADJUSTMENT TABLE.



LONGITUDINAL SECTION THROUGH ARMORED BRUSH CURB

NOT TO SCALE



TYPICAL SECTION AT ARMORED BRUSH CURB

(NORMAL TO ℄ BEARING)
SCALE : 3" = 1'-0"

Hayashi Corporation
Consulting Engineers

STATE OF VERMONT
AGENCY OF TRANSPORTATION

Town Of MIDDLESEX-BOLTON	Bridge No.
Highway No. I-89	Log Sta.
	Surv. Sta.

FINGER JOINT DETAILS (1 OF 3)

Designed By K.L. JAMES	Drawn By N.J. HOYT
Checked By M.H. GALLO Date 10/99	Bridge Design Supervisor J.P. HALSTEAD Date 10/99
PROJECT MIDDLESEX-BOLTON	PROJECT NO. IM-089-2(26)
TVGA CAD Drawing No. I27-fj2.dgn	Date 10/99
Bridge Sheet No. C-36	Sheet 36 of 307