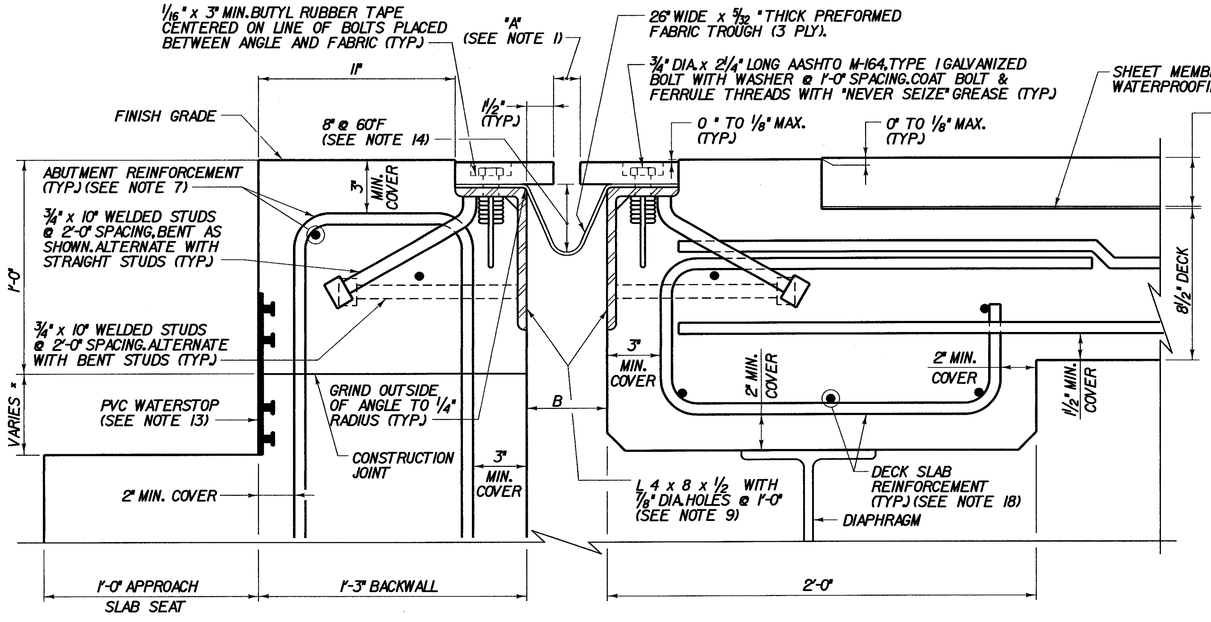


* SEE ABUTMENT SECTION ON BRIDGE SHEETS BR224, BR324 & BR330

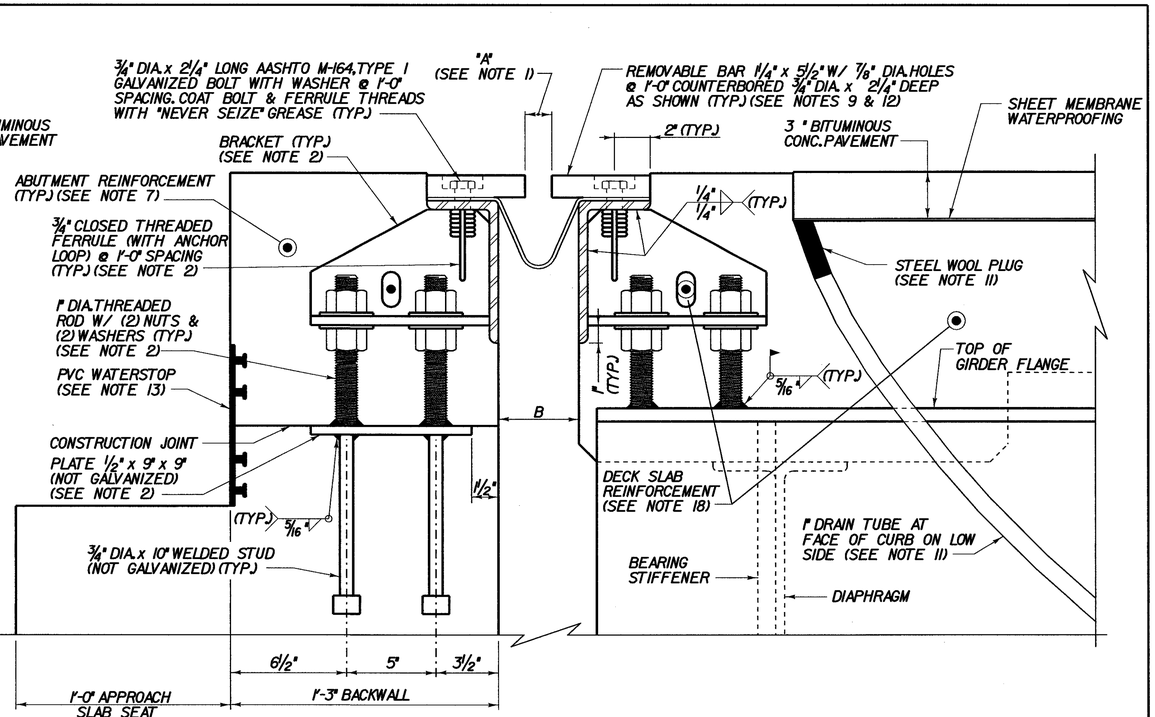
C C C TYPICAL SECTION BETWEEN GIRDERS

BR218 BR318 BR319

(NORMAL TO ℄ BEARINGS)

SCALE 3" = 1'-0

1 9 6 3 0 1



B B B TYPICAL SECTION AT GIRDERS

BR218 BR318 BR319

(NORMAL TO ℄ BEARINGS)

SCALE 3" = 1'-0

1 9 6 3 0 1

NOTES:

1. FOR DIMENSIONS "A" AND "B", SEE TABLE ON BRIDGE SHEET BR218 AND BR318.
2. FOR BRACKET, PLATE, WASHER AND ANCHOR FERRULE DETAILS, SEE BRIDGE SHEET BR10.
3. DETAILS ON THIS SHEET ARE FOR ITEM 516J0, "BRIDGE EXPANSION JOINT".
4. PREFORMED FABRIC MATERIAL SHALL BE CONTINUOUS AND SHALL CONFORM TO SUBSECTION 707.07 OF THE SPECIFICATIONS.
5. BUTYL RUBBER TAPE SHALL CONFORM TO AASHTO SPECIFICATION M-198, TYPE B.
6. THE FINAL FINISH OF THE EXPANSION DEVICE SHALL BE COVERED DURING THE PLACING OF BRIDGE DECK CONCRETE.
7. ALL STEEL COMPONENTS SHALL BE AASHTO M270 GRADE 36, UNLESS OTHERWISE SPECIFIED. THREADED ROD AND ASSOCIATED NUTS AND WASHERS SHALL CONFORM TO ASTM A307. ALL STEEL COMPONENTS AND HARDWARE SHALL BE GALVANIZED OR METALIZED PER SUBSECTION 506J5 OF THE SPECIFICATIONS, UNLESS OTHERWISE SPECIFIED.
8. PAYMENT FOR ITEM 516J0, "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 AND ANY OTHER MISCELLANEOUS MATERIAL NECESSARY TO INSTALL JOINT.
9. THE 4 x 8 x 1/2 ANGLES SHALL BE FURNISHED AS ONE CONTINUOUS PIECE. THE 1 1/4" x 5 1/2" BARS EACH SIDE OF THE JOINT SHALL BE PROVIDED IN TWO APPROXIMATELY EQUAL LENGTHS.
10. 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 516J0, "BRIDGE EXPANSION JOINT".
11. A 1" DIAMETER PLASTIC DRAIN TUBE SHALL BE INSTALLED AS SHOWN AT THE FACE OF CURB. THE UPPER END IS TO BE PLUGGED WITH STEEL WOOL AND THE LOWER END IS TO EXTEND BELOW THE BOTTOM OF THE ADJACENT GIRDER. THE DRAIN TUBES SHALL BE FASTENED TO THE GIRDERS USING A METHOD APPROVED BY THE ENGINEER. MATERIALS FOR TUBING SHALL MEET THE REQUIREMENTS OF 740.01 OF THE SPECIFICATIONS.
12. FILL COUNTERBORED HOLES WITH HOT POURED JOINT SEALER AFTER BOLT INSTALLATION. JOINT SEALER SHALL CONFOR TO THE REQUIREMENTS OF 707.04 OF THE SPECIFICATIONS AND THE COST FOR THE WORK SHALL BE SUBSIDIARY TO ITEM 516J0
13. PAYMENT FOR WATERSTOP SHALL BE SUBSIDIARY TO ITEM 501.25.
14. FABRIC TROUGHS SHALL BE INSTALLED SO THAT MINIMUM SLOPE IS 1% FOR POSITIVE DRAINAGE.
15. FABRIC TROUGH SHALL BE THOROUGHLY CLEANED AND FLUSHED AFTER PAVING OPERATION.
16. EXPANSION JOINTS SHALL BE SHOP ASSEMBLED AND SHIPPED AS ONE UNIT.
17. FOR REINFORCING BAR MARKS AND DETAILS, SEE ABUTMENT REINFORCING DETAIL SHEETS.
18. FOR DECK SLAB REINFORCEMENT, SEE TRANSVERSE SECTION AND DECK REINFORCEMENT PLANS FOR EACH BRIDGE.
19. WORK THIS SHEET WITH TYPICAL END OF DECK SLAB DETAILS ON BR208 AND BR307.

STATE OF VERMONT
AGENCY OF TRANSPORTATION

Town Of SEARSBURG	Bridge No.
Highway No. VT. RTE. 9	Log Sta.
	Surv. Sta.

VT. RTE. 9 OVER DEERFIELD RIVER

TYPICAL "VT TYPE" EXPANSION JOINT DETAILS

Designed By D. VIENI	Drawn by K. DETRICK
Checked By M. OLSTAD Date 2/2002	Bridge Design Supervisor M. OLSTAD Date 2/2002
PROJECT SEARSBURG - WILMINGTON	PROJECT NO. NHF 010-1(18)
L.C.C. Info.	
Bridge Sheet No. BR9	Sheet 101 OF 435

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