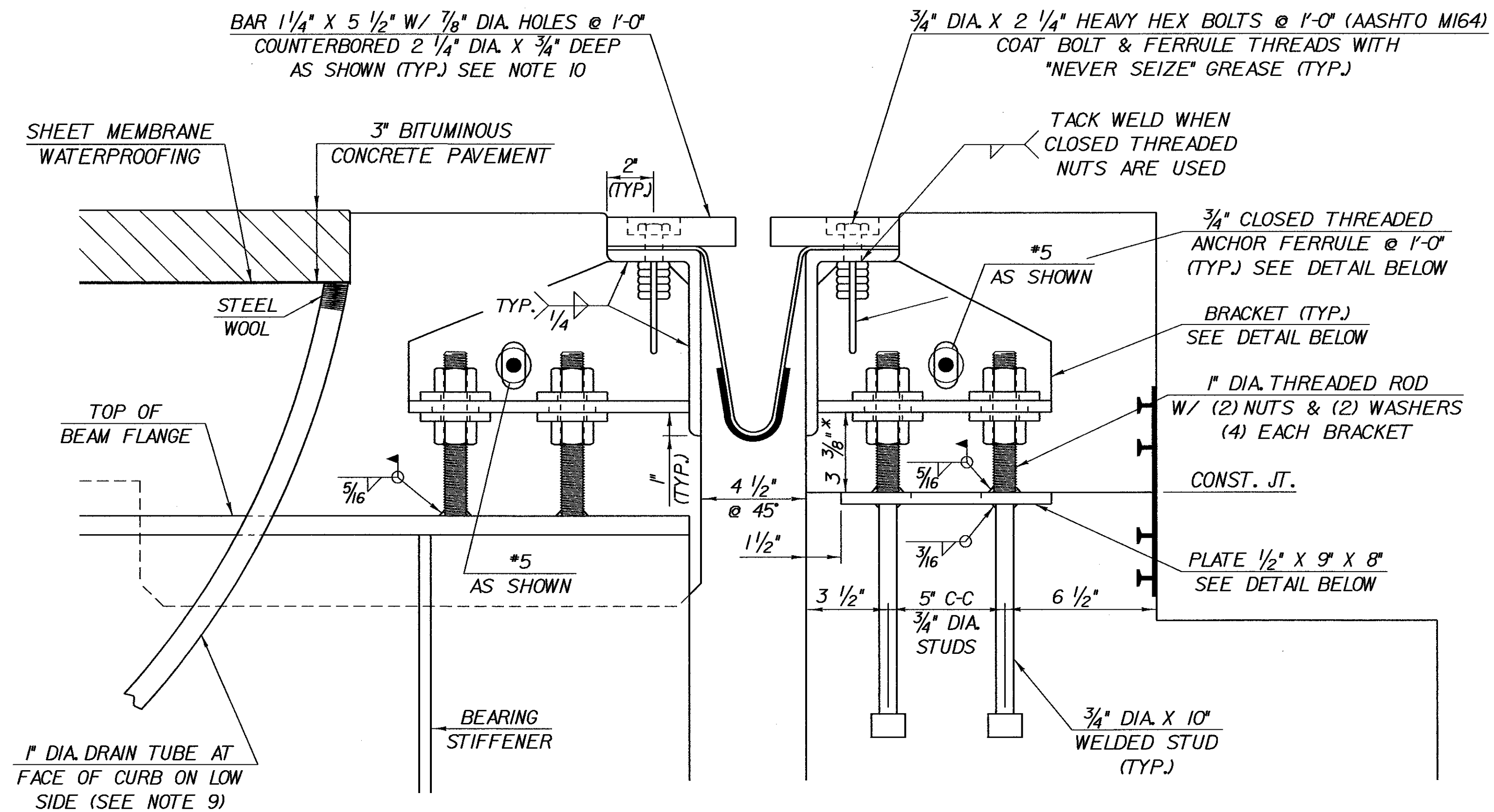


TYPICAL SECTION BETWEEN BEAMS
SCALE: 3" - 1'-0" (NORMAL TO C BEARING)



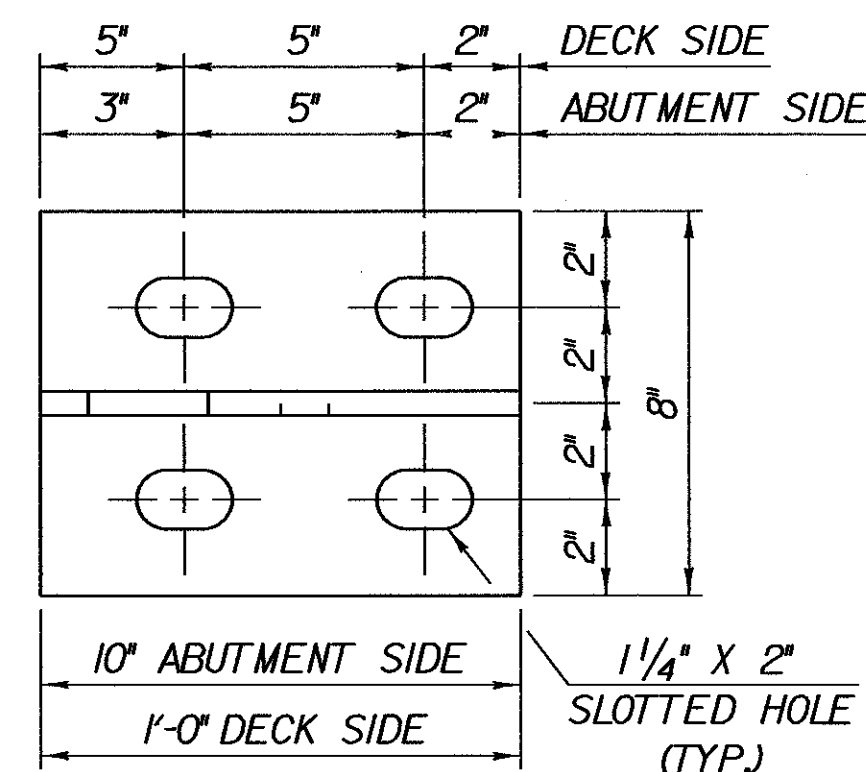
TYPICAL SECTION AT BEAMS
SCALE: 3" - 1'-0" (NORMAL TO C BEARING)

* THESE DIMENSIONS ARE THEORETICAL AND MAY CHANGE DEPENDING UPON THE OUTCOME OF THE BEAM PROFILES.

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.
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. ALL STEEL COMPONENTS SHALL BE AASHTO M270 GRADE 36 GALVANIZED OR METALIZED AS PER SUBSECTION 516.04 AS MODIFIED BY GENERAL SPECIAL PROVISIONS UNLESS OTHERWISE SPECIFIED.
6. THE ITEM "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.

11. PAYMENT FOR WATERSTOP SHALL BE SUBSIDIARY TO ITEM 501.25, "CONCRETE CLASS B (HPC-B)".
12. 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.
13. FABRIC TROUGH SHALL BE THOROUGHLY CLEANED AND FLUSHED AFTER PAVING OPERATION.
14. THE EXPANSION JOINT SHALL BE SHOP ASSEMBLED AND SHIPPED AS ONE UNIT.

7. THE 8" X 4" 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 EQUAL LENGTHS.
8. COAT CONCRETE CONTACT SURFACES WITH EPOXY BONDING COMPOUND MEETING THE REQUIREMENTS OF SUBSECTION 719.02. PAYMENT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 516.10 "BRIDGE EXPANSION JOINT".
9. A 1" DIAMETER PLASTIC DRAIN TUBE (PER STD. SPEC. 740.01) 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 BEAM. THE DRAIN TUBES SHALL BE FASTENED TO THE BEAMS USING A METHOD APPROVED BY THE ENGINEER.
10. FILL COUNTERBORED HOLES WITH HOT POURED JOINT SEALER (STD. SPEC. 707.04 AS MODIFIED BY THE GENERAL SPECIAL PROVISIONS) AFTER BOLT INSTALLATION. PAYMENT FOR THE WORK SHALL BE SUBSIDIARY TO ITEM 516.10.



BRACKET PLAN
SCALE: 3" - 1'-0"

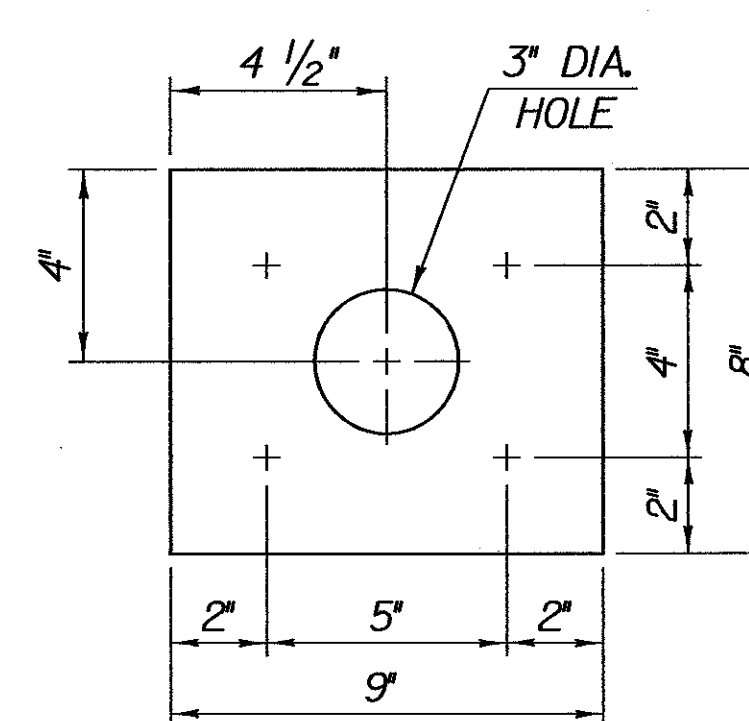
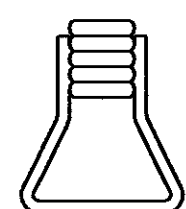


PLATE PLAN
SCALE: 3" - 1'-0"

TEMP	"A" DIST
0° F	2 1/16"
15° F	1 7/8"
30° F	1 11/16"
45° F	1 1/2"
60° F	1 5/16"
75° F	1 1/8"
90° F	15/16"
105° F	3/4"

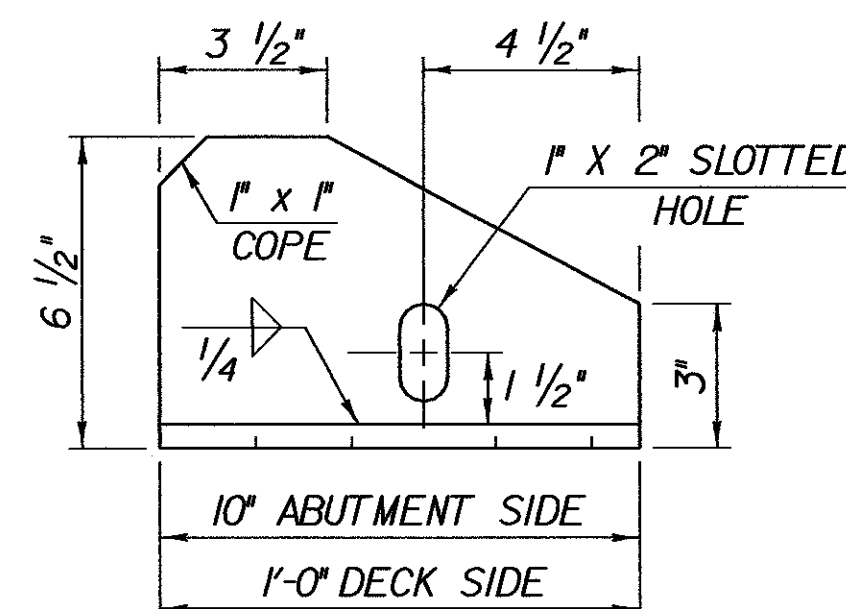
"A" IS THE SETTING BEFORE DEAD LOADS ARE IN PLACE.



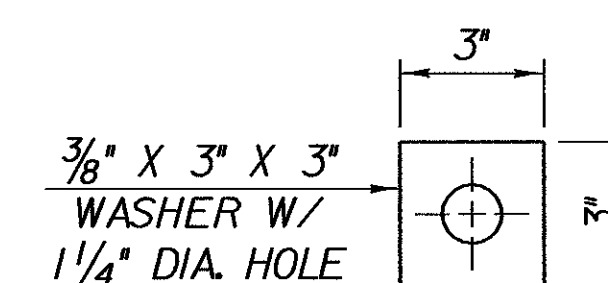
DAYTON/RICHMOND LF,
3/4" DIA. CLOSED FERRULE
OR EQUIVALENT

ANCHOR FERRULE DETAIL
SCALE: 3" - 1'-0"

NOTE:
CLOSED THREADED FERRULE NUTS
WITHOUT ANCHOR LOOPS MAY BE USED.



BRACKET ELEVATION
SCALE: 3" - 1'-0"



WASHER FOR BRACKET
SCALE: 3" - 1'-0"

ALL PLATES 1/2"

**STATE OF VERMONT
AGENCY OF TRANSPORTATION**

Town of SEARSBURG-WILMINGTON	Bridge No. 25B
Highway No. VT. ROUTE 9	Log Sta. Surv. Sta.
VT. ROUTE 9 OVER THE DEERFIELD RIVER EXPANSION JOINT DETAILS - BR 25B	
Designed By G. ROY	Drawn By G. ROY
Checked By R. WHITCOMB	Date 2/02
Bridge Design Supervisor R. R. WHITCOMB Date 2/02	
PROJECT SEARSBURG-WILMINGTON	PROJECT NO. NHF 010 - 1 (18)
I.G.C. Info. 78d096Structures\sd096exp.dgn sd096expj	
Bridge Sheet No. BR408A	Sheet 210 of 435