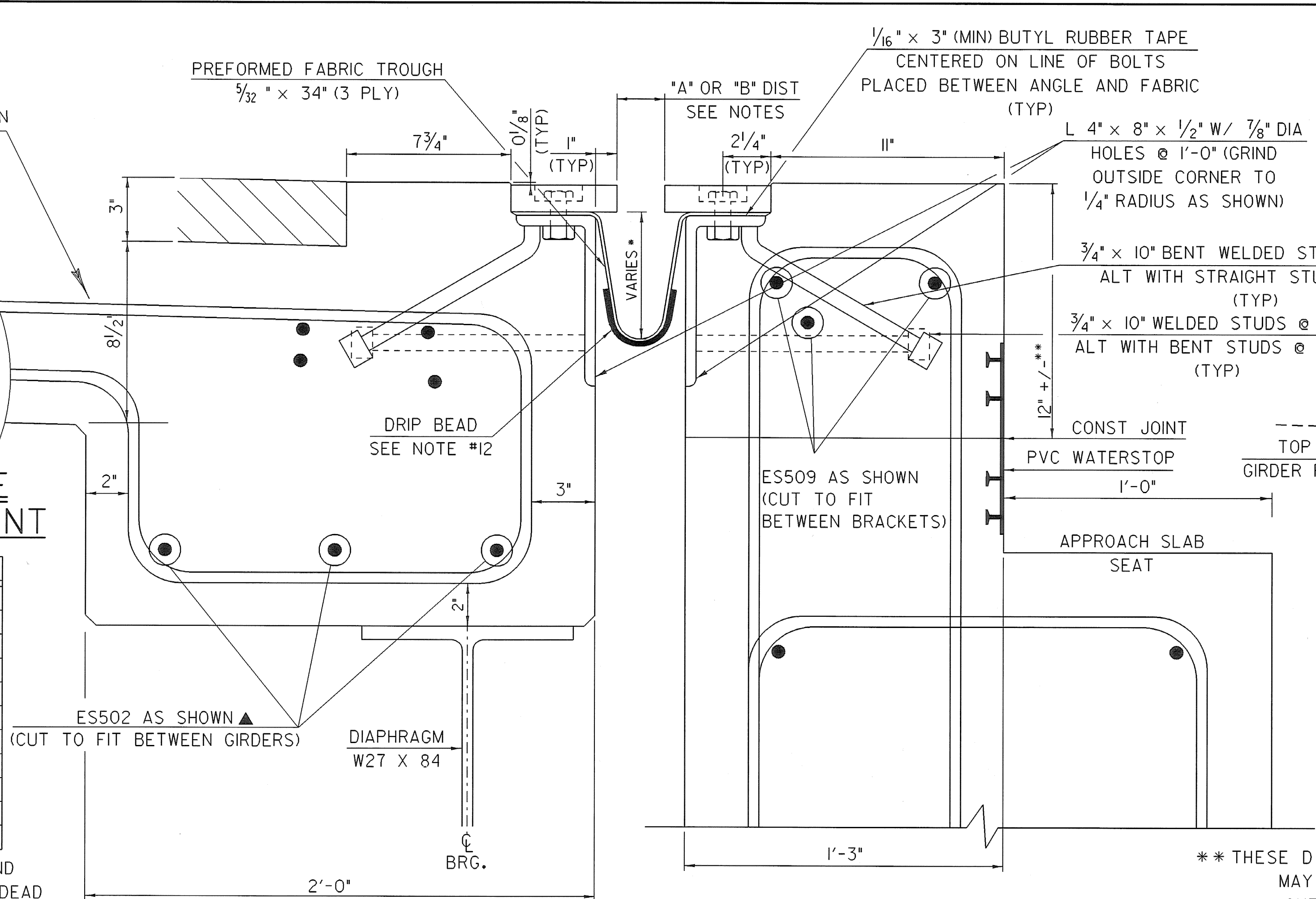


**SETTING TABLE
@ EXPANSION JOINT**

TEMP	*A* DIST	*B* DIST
-30°F	3	3
-15°F	2 3/4	3 1/4
0°F	2	3
15°F	2 1/4	2 3/4
30°F	2	2 1/2
45°F	1 3/4	2 1/4
60°F	1 1/2	2
75°F	1 1/4	1 3/4
90°F	1	1 1/2
105°F	3/4	1 1/4
120°F	1/2	1

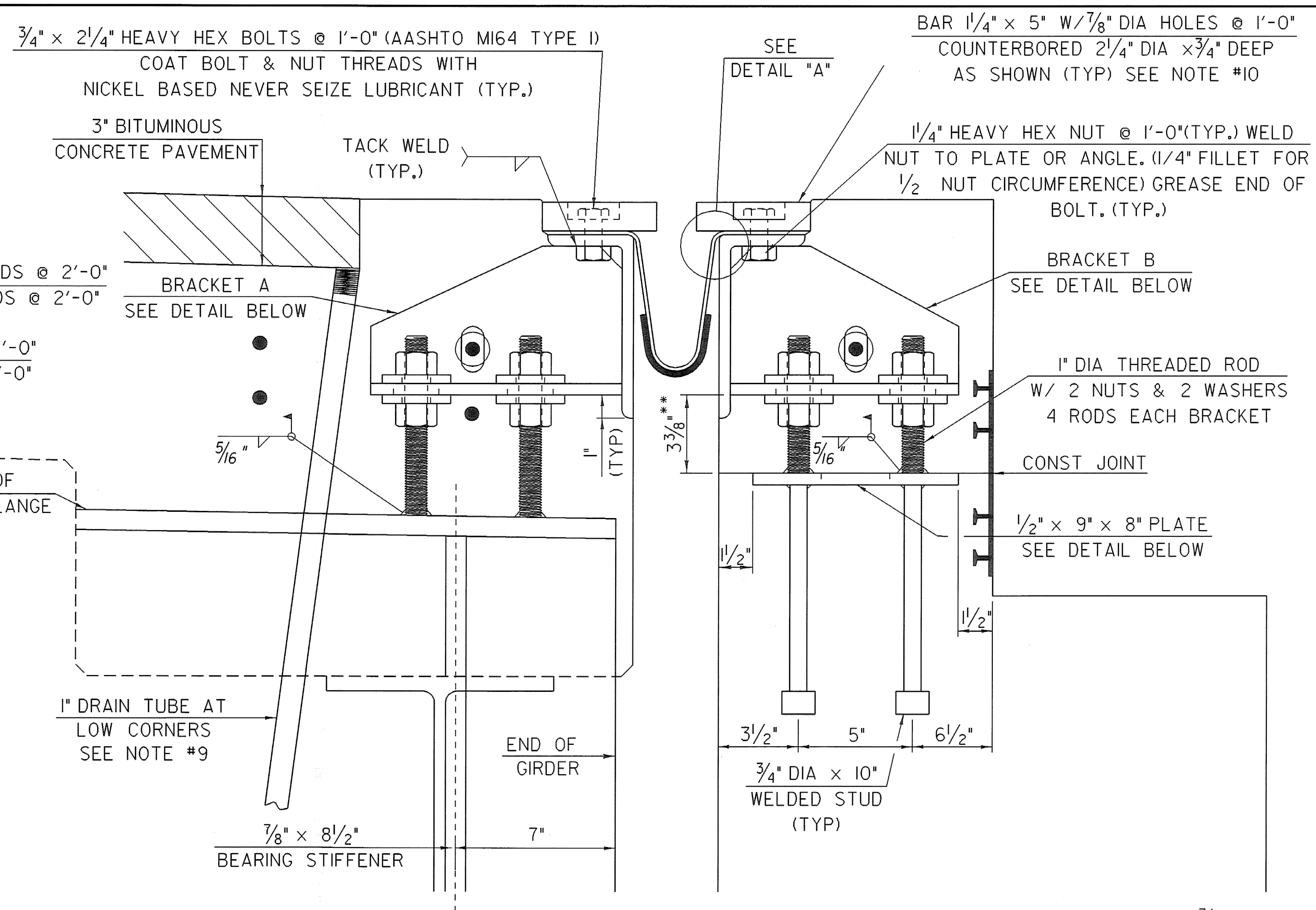
A IS THE FINAL DISTANCE AND
B IS THE DISTANCE BEFORE DEAD
LOAD DEFLECTION



TYPICAL SECTION BETWEEN GIRDERS

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

* 4" AT SIDEWALK FASCIA
TO 12" AT DOWNSPOUT @ 45°
APPROX 11 5/8" @ CL TH 24
BECAUSE OF CROSS-SLOPE

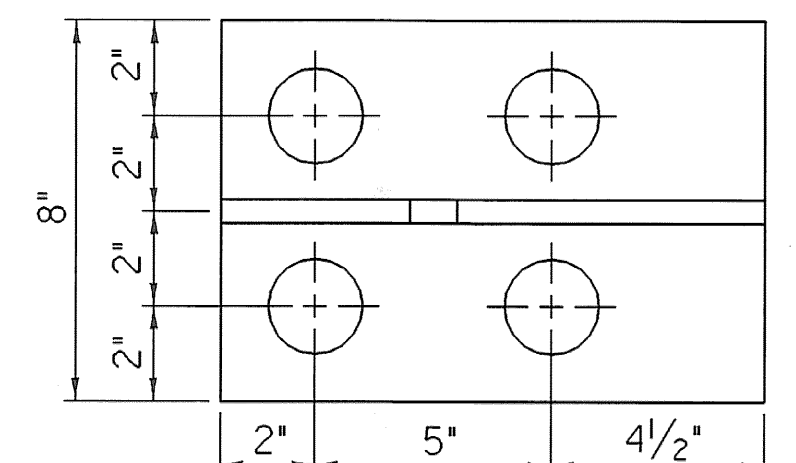


TYPICAL SECTION AT GIRDERS

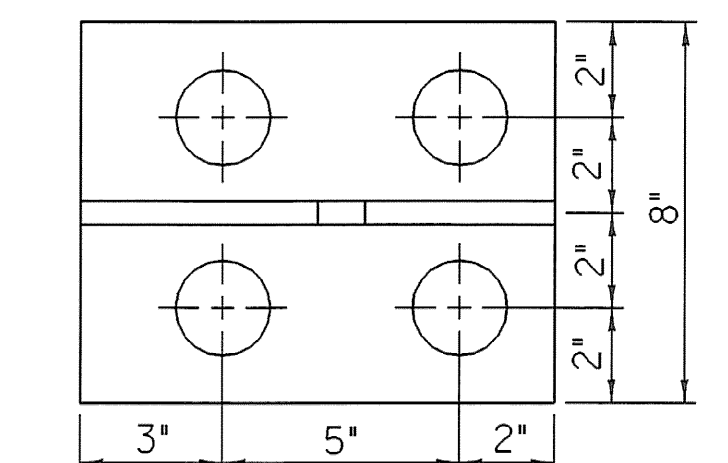
EXPANSION JOINT NOTES

1. DETAILS ON THIS SHEET ARE FOR ITEM 516.11, "BRIDGE EXPANSION JOINT, VERMONT".
2. PREFORMED FABRIC MATERIAL SHALL BE CONTINUOUS AND SHALL CONFORM TO SUBSECTION 707.07.
3. BUTYL RUBBER TAPE SHALL CONFORM TO SUBSECTION 707.12.
4. THE FINAL FINISH OF THE EXPANSION DEVICE SHALL BE COVERED DURING THE PLACING OF BRIDGE DECK.
5. ALL STEEL COMPONENTS SHALL BE GRADE 50 OR GRADE 36 GALVANIZED OR METALIZED AS PER SUBSECTION 506.15 (a) OR (b) UNLESS OTHERWISE SPECIFIED.
6. THE ITEM "BRIDGE EXPANSION JOINT, VERMONT" 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, DRIP BEAD AND ANY OTHER MISCELLANEOUS MATERIAL NECESSARY TO INSTALL JOINT.
7. THE 4" X 8" X 1/2" ANGLES SHALL BE FURNISHED AS ONE CONTINUOUS PIECE. THE 1 1/4" X 5" 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 516.11 "BRIDGE EXPANSION JOINT, VERMONT".
9. 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.

10. FILL COUNTERBORED HOLES WITH HOT POURED JOINT SEALER AFTER BOLT INSTALLATION. PAYMENT FOR THE WORK SHALL BE INCIDENTAL TO ITEM 516.11.
11. PAYMENT FOR WATERSTOP SHALL BE INCIDENTAL TO "CONCRETE, HIGH PERFORMANCE CLASS A". SEE SHEET 47 FOR WATERSTOP DETAILS.
12. A 1/4" DRIP BEAD 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.
15. EXCEPT AS NOTED ALL BOLTS, STUDS AND RELATED HARDWARE SHALL CONFORM TO SUBSECTION 714.04 AND SHALL BE GALVANIZED IN ACCORDANCE WITH SUBSECTION 516.02



BRACKET "A" PLAN



BRACKET "B" PLAN

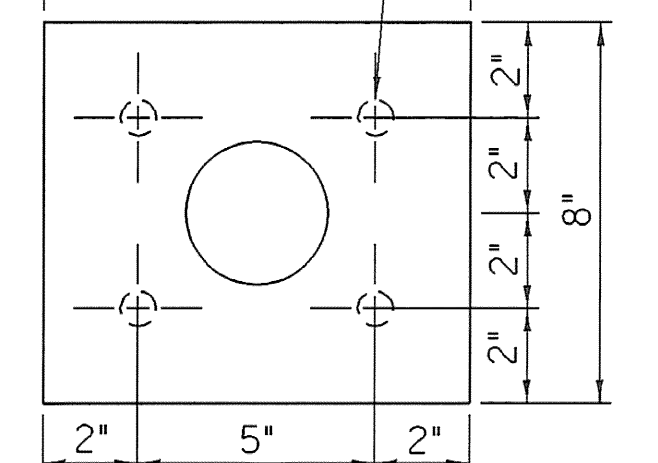
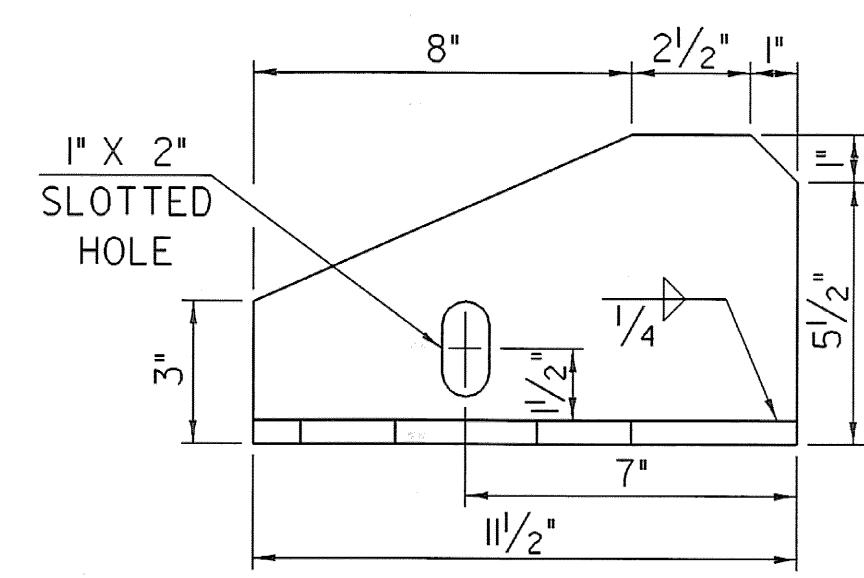
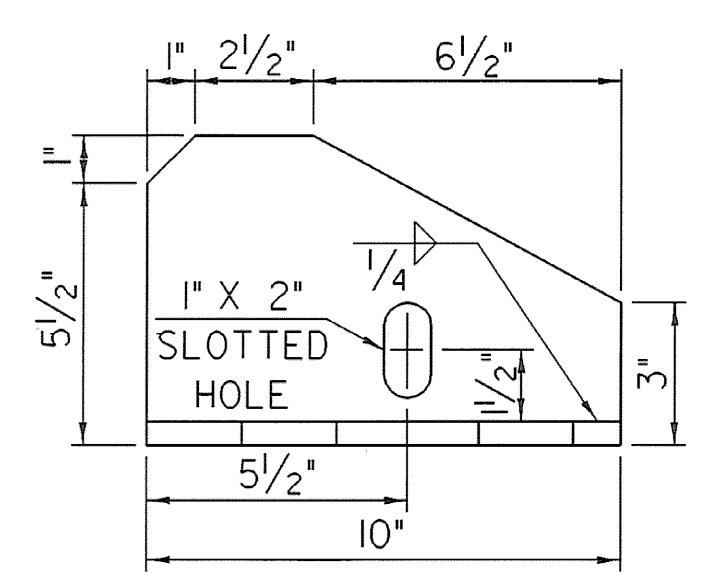


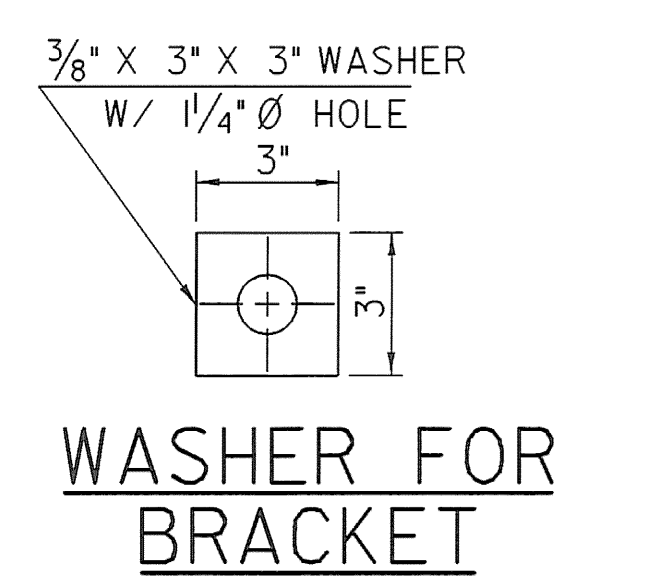
PLATE PLAN



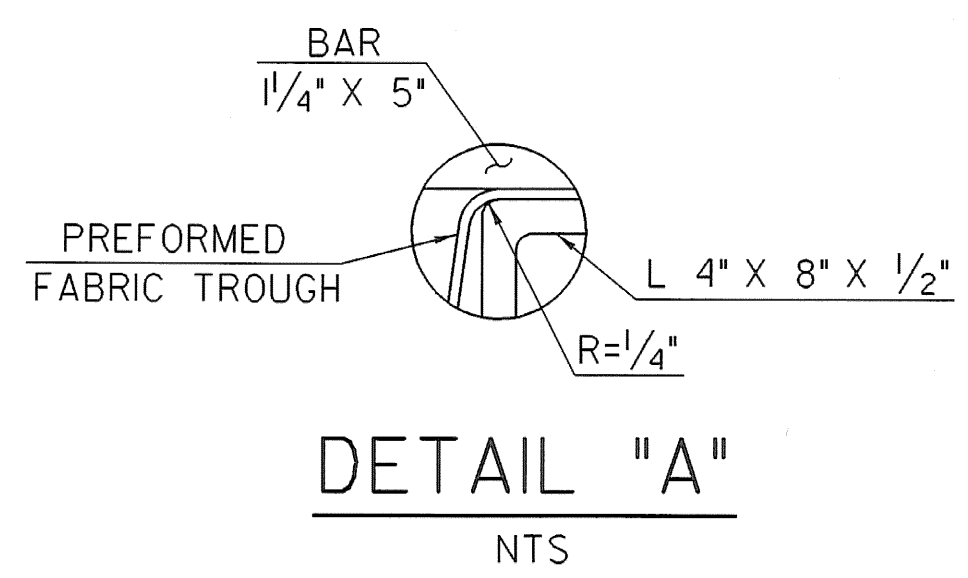
BRACKET "A" ELEVATION



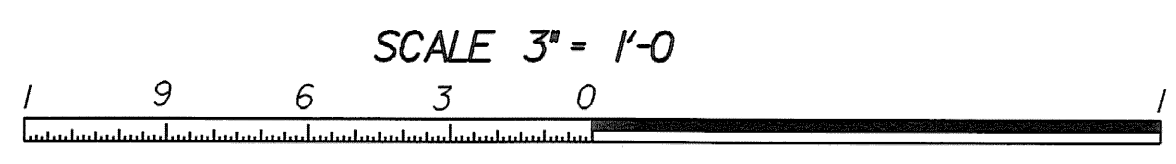
BRACKET "B" ELEVATION



WASHER FOR BRACKET



DETAIL "A"
NTS



SHEET NAME: EXPANSION JOINT DETAILS SHEET 2		
PROJECT NAME: POWNAL	HIGHWAY NO.: TH 24	
PROJECT NUMBER: BRZ 1441(19) C/2	BRIDGE NO.: 41	OVER: HOOSIC RIVER
FILE NAME: /87e045/str/se045exp.dgn	PLOT DATE: 29-FEB-2008	
PROJECT MANAGER: R. WHITCOMB	DRAWN BY: T. FILLBACH	
DESIGNED BY: T. FILLBACH/C. CARLSON	IPARM NAME: se045exp2.i	
BRIDGE SHEET NUMBER:	SHEET 49 OF 108	