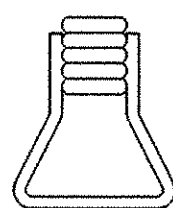


TYPICAL SECTION BETWEEN STRINGERS

NTS

1. DETAILS ON THIS SHEET AND THE EXPANSION JOINT PLAN 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 11.
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 506.15.
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.
7. THE 8" X 4" 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 516.10 "BRIDGE EXPANSION JOINT".
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. MATERIAL FOR TUBE SHALL MEET THE REQUIREMENTS OF SUBSECTION 740.01. FILL COUNTERBORED HOLES WITH HOT POURED JOINT SEALER AFTER BOLT INSTALLATION. PAYMENT FOR THE WORK SHALL BE INCIDENTAL TO ITEM 516.10.

10. FILL COUNTERBORED HOLES WITH HOT POURED JOINT SEALER AFTER BOLT INSTALLATION. PAYMENT FOR THE WORK SHALL BE INCIDENTAL TO ITEM 516.10.
11. PAYMENT FOR WATERSTOP SHALL BE SUBSIDIARY TO CONCRETE PAY ITEM.
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.

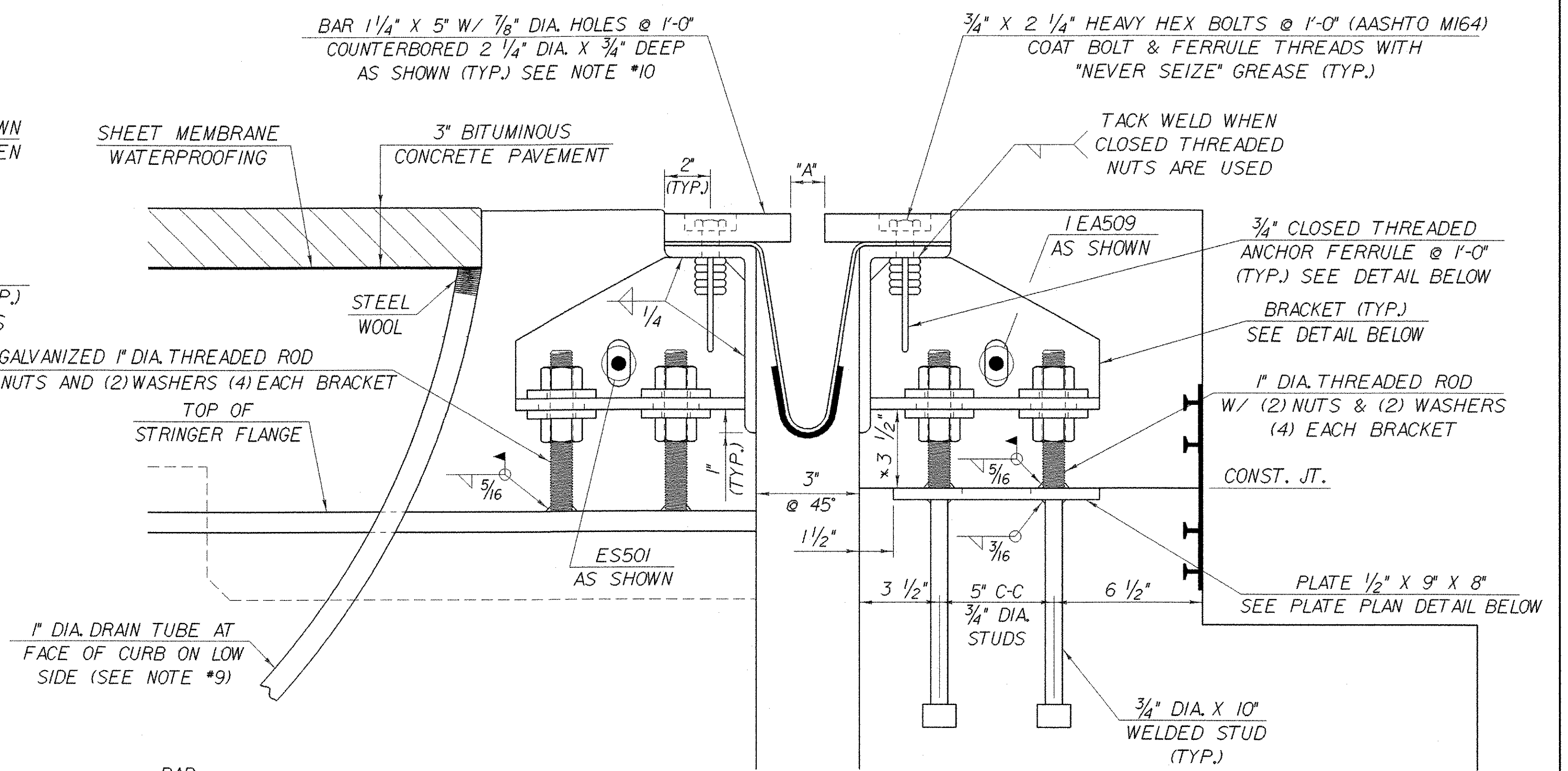


ANCHOR FERRULE DETAIL

SCALE: 3" = 1'-0"

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

ANCHOR FERRULE SHALL BE DAYTON/RICHMOND TYPE LF OR EQUIVALENT.



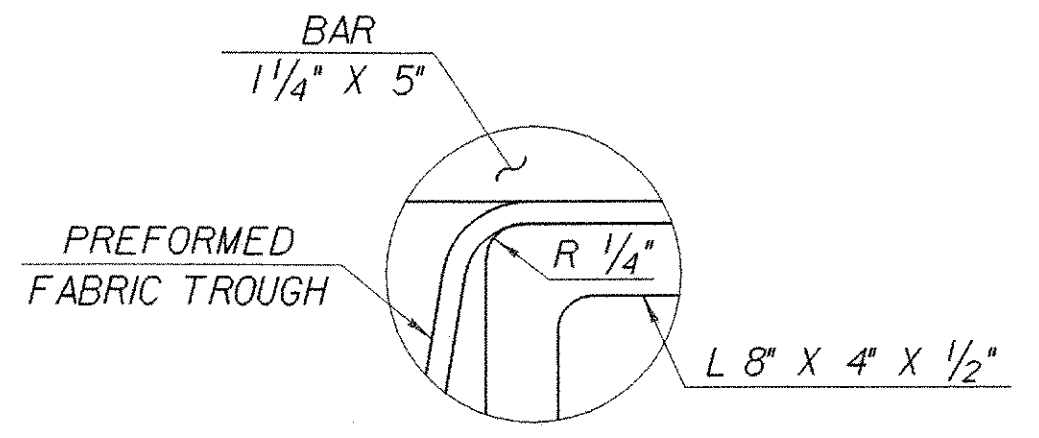
TYPICAL SECTION AT STRINGERS

NTS

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

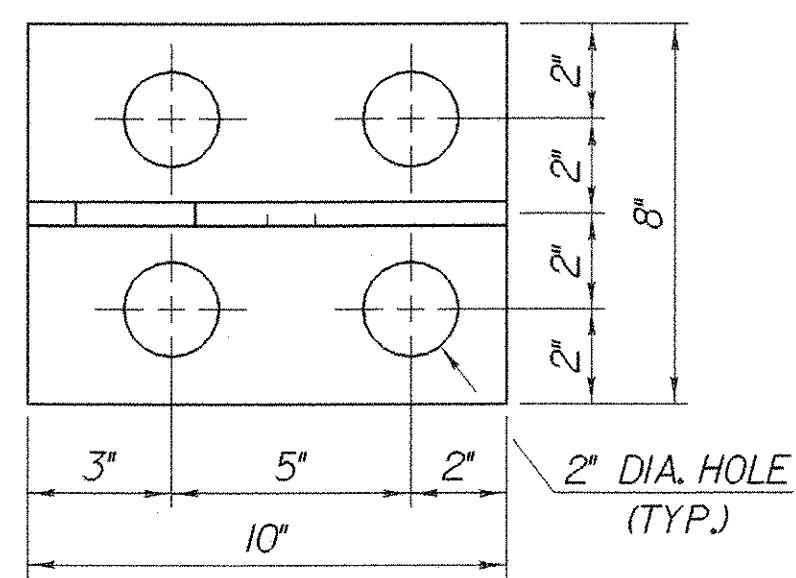
TEMP	"A" DIST
0° F	1 3/8"
15° F	1 1/4"
30° F	1 1/8"
45° F	1"
60° F	7/8"
75° F	3/4"
90° F	5/8"
105° F	1/2"

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



DETAIL "A"

NOT TO SCALE



BRACKET PLAN

SCALE: 3" = 1'-0"

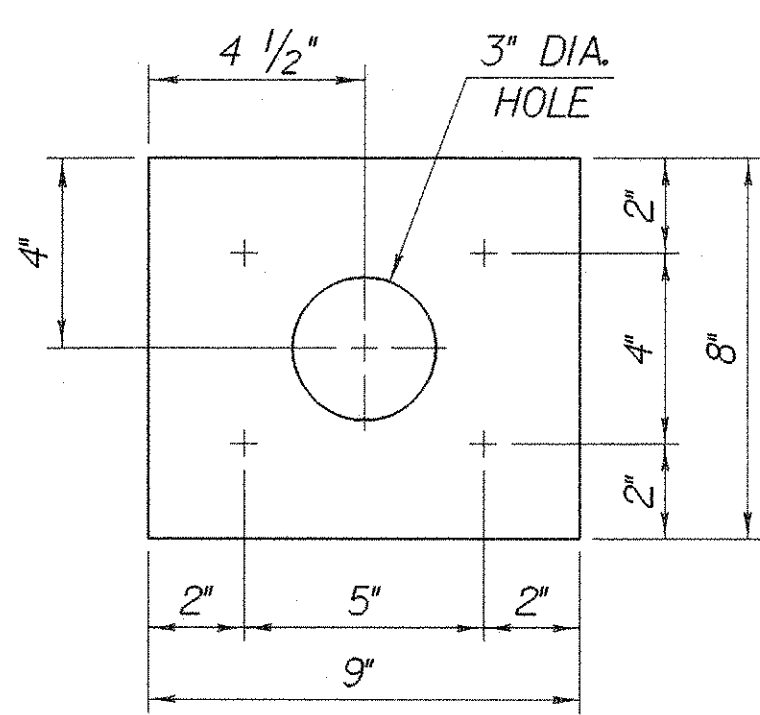
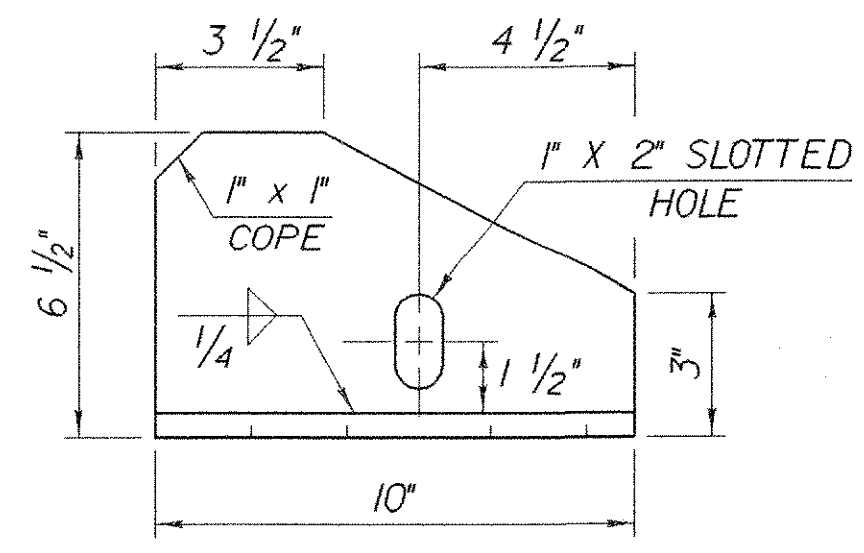


PLATE PLAN

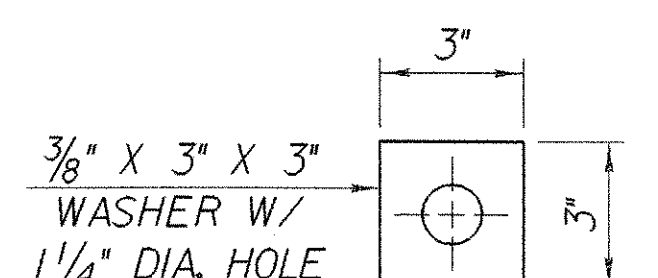
SCALE: 3" = 1'-0"
(NO GALVANIZING REQUIRED)

ALL PLATES 1/2" EXCEPT WHERE NOTED



BRACKET ELEVATION

SCALE: 3" = 1'-0"



WASHER FOR BRACKET

SCALE: 3" = 1'-0"

BRIDGE EXPANSION JOINT DETAILS

PROJECT NAME:	BARRE CITY	FILE NAME:	s+tr5/92j099/sj099exp.dgn	PLOT DATE:	16-JUN-2004
PROJECT NUMBER:	HDP 9281(I)	PROJECT LEADER:	C. KELLER	DRAWN BY:	K. RUTTER
		DESIGNED BY:	K. RUTTER	CHECKED BY:	T.A. SUMNER
			sj099expdet.1	SHEET	25 OF 58