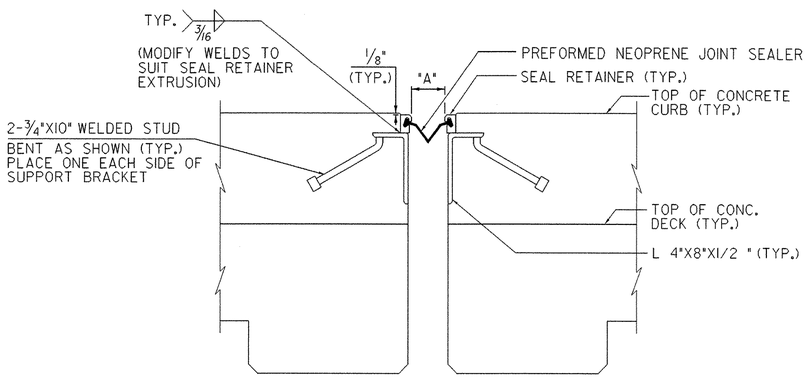
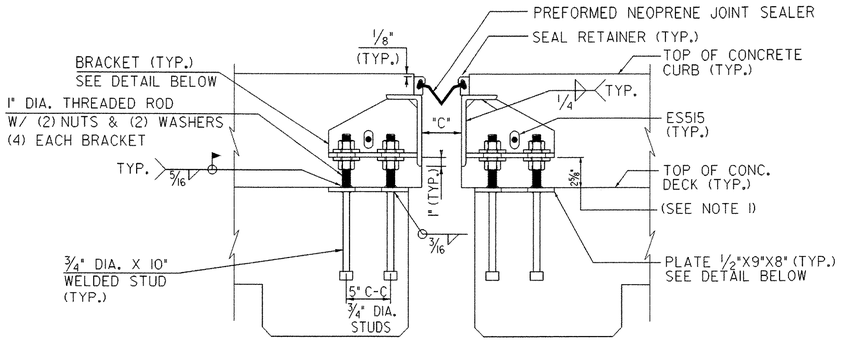


TYPICAL CURB SECTION

SCALE: 1 1/2"=1'-0"
(NORMAL TO ℄ BEARING)

NOTES:

1. DECK AND CURB REINFORCEMENT NOT SHOWN FOR CLARITY.
2. VERTICAL CURB FACE AT GUTTERLINE SIMILAR. PROVIDE ONE (1) BENT WELDED STUD AND ONE (1) STRAIGHT WELDED STUD TO ANCHOR THE VERTICAL ANGLE AT THE CURB.



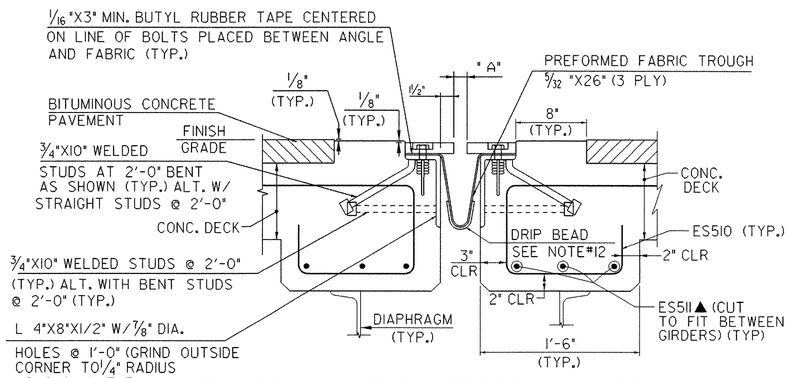
TYPICAL CURB SECTION AT SUPPORT BRACKET

SCALE: 1 1/2"=1'-0"
(NORMAL TO ℄ BEARING)

NOTES:

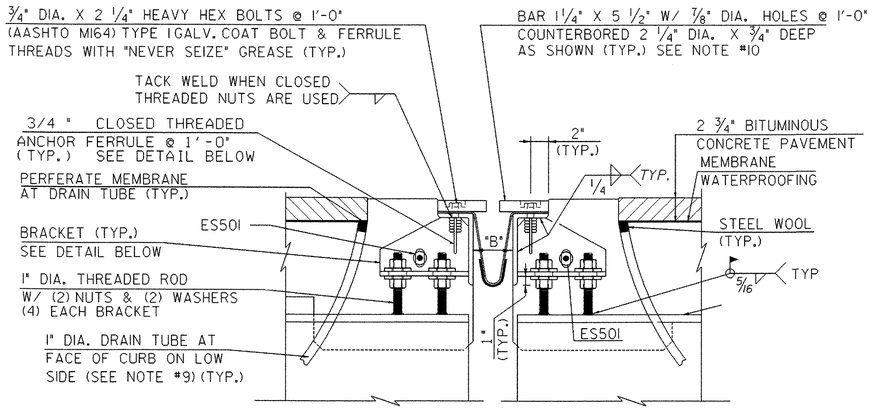
1. DIMENSION IS THEORETICAL AND MAY CHANGE DEPENDING ON THE SEAL RETAINER SUPPLIED.
2. DECK AND CURB REINFORCEMENT NOT SHOWN FOR CLARITY.

1. DETAILS ON THIS SHEET ARE FOR ITEM 516. 10 "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 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 UNLESS OTHERWISE SPECIFIED, EXCEPT FOR THREADED RODS AND NUTS WHICH WILL BE ASTM A307.
6. THE ITEM "BRIDGE EXPANSION JOINT (VERMONT)" SHALL INCLUDE THE FABRICATION AND ERECTION OF THE COMPLETE JOINT ASSEMBLIES INCLUDING ALL STEEL PLATES, BRACKETS, ANGLES, WELDED STUDS OR RODS, PREFORMED FABRIC DRAIN TROUGH MATERIAL AND PLASTIC DRAIN TUBES, BUTYL RUBBER TAPE, SEAL RETAINERS, PREFORMED NEOPRENE JOINT SEALER, 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 FOR EACH CONSTRUCTION PHASE. 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 (VERMONT)".
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 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. 10.
11. 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.
12. FABRIC TROUGH SHALL BE THOROUGHLY CLEANED AND FLUSHED AFTER PAVING OPERATION.
13. FABRIC TROUGH SHALL BE ONE CONTINUOUS UNIT AND SHALL BE INSTALLED AFTER COMPLETION OF PHASE II CONSTRUCTION.
14. THE EXPANSION JOINT SHALL BE SHOP ASSEMBLED AND SHIPPED AS TWO UNITS, CORRESPONDING TO PHASE I AND PHASE II CONSTRUCTION.



TYPICAL SECTION BETWEEN GIRDERS

SCALE: 1 1/2"=1'-0"
(NORMAL TO ℄ BEARING)



TYPICAL SECTION AT GIRDERS

SCALE: 1 1/2"=1'-0"
(NORMAL TO ℄ BEARING)

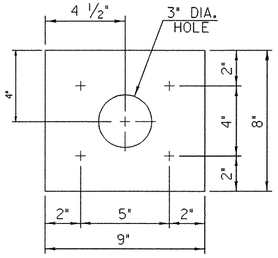
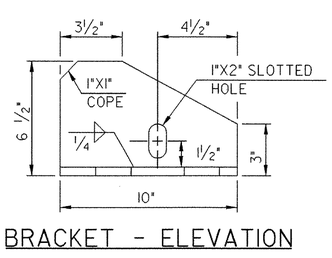


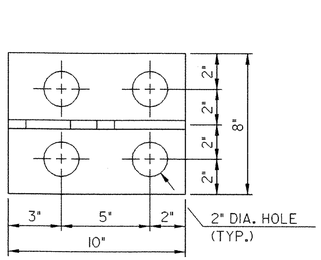
PLATE PLAN

SCALE: 3" = 1'- 0"



BRACKET - ELEVATION

SCALE: 3"=1'-0"
NOTE: ALL PLATES 1/2" UNLESS NOTED OTHERWISE.



BRACKET - PLAN

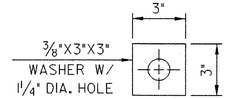
SCALE: 3"=1'-0"

ANCHOR FERRULE DETAIL

SCALE: 3"=1'-0"

NOTE:

CLOSED THREADED FERRULE NUTS WITHOUT ANCHOR LOOPS MAY BE USED.



WASHER FOR BRACKET

SCALE: 3"=1'-0"

TEMP °F	"A" DIST INCHES	"B" DIST INCHES	"C" DIST INCHES
-30	2 9/16	5 9/16	3 1/16
-15	2 3/8	5 3/8	2 7/8
0	2 1/8	5 1/8	2 5/8
15	1 15/16	4 15/16	2 7/16
30	1 11/16	4 11/16	2 3/16
45	1 1/2	4 1/2	2
60	1 5/16	4 5/16	1 13/16
75	1 1/16	4 1/16	1 9/16
90	7/8	3 7/8	1 3/8
105	5/8	3 5/8	1 1/8

"A" AND "B" ARE THE SETTINGS BEFORE DEAD LOADS ARE IN PLACE.

T.Y. LIN INTERNATIONAL

STATE OF VERMONT
AGENCY OF TRANSPORTATION

Town Of MONTGOMERY	Bridge No. 21
Highway No. VT 118	Log Sta. / Surv. Sta.

VT 118 OVER TROUT RIVER
EXPANSION JOINT DETAILS

Designed By J Howe	Drawn By J Davis
Checked By R. Hebert Date 9/4/01	Bridge Design Supervisor R.WHITCOMB Date
PROJECT MONTGOMERY	PROJECT NO. BHF 0283(8)S
lparm zc316ej2.1	ZC316ej1.dgn
Bridge Sheet No.	Sheet 28 of 45