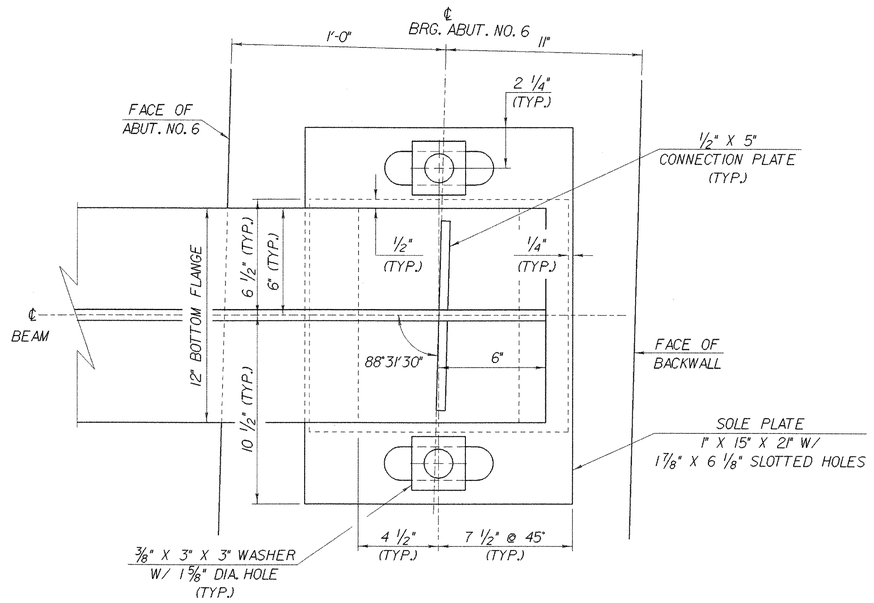
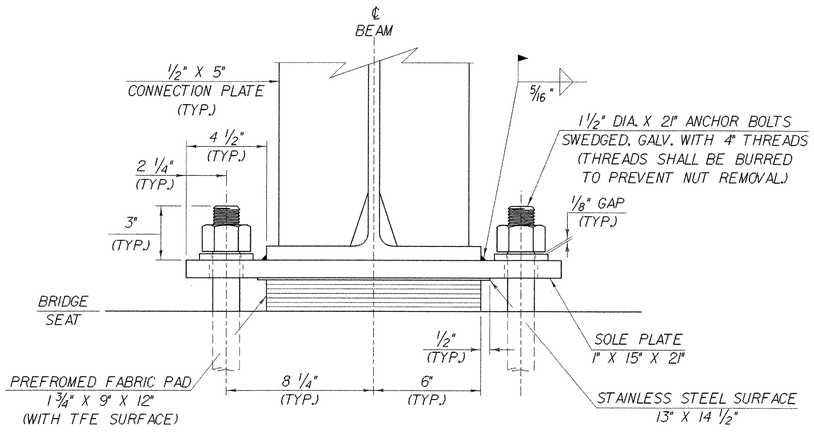
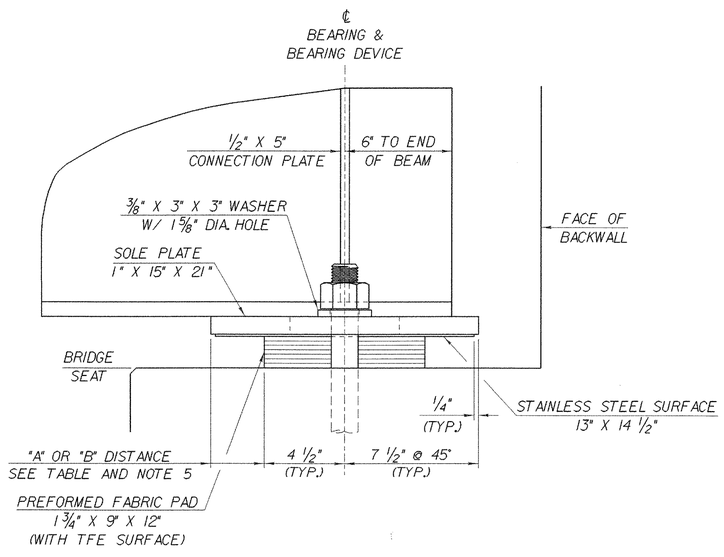


PLAN VIEW
SCALE: 3" = 1'-0"



FRONT VIEW
SCALE: 3" = 1'-0"



SIDE ELEVATION
SCALE: 3" = 1'-0"

BEARING NOTES

1. BEARINGS SHALL CONFORM TO APPLICABLE SUBSECTIONS OF SECTIONS 531 & 731.
2. BEARINGS SHALL BE PAID FOR UNDER ITEM 531.10 "BEARING DEVICE ASSEMBLY".
3. SHOP DRAWINGS CONFORMING TO SUBSECTION 531.03 SHALL BE SUBMITTED AND ARE TO INCLUDE WELDING AND BONDING PROCEDURES.
4. THE CONCRETE SURFACE UNDER THE BEARING DEVICE SHALL BE LEVEL.
5. "B" DISTANCE IS THE FINAL SETTING FOR THE BEARING PAD AFTER THE CONCRETE SLAB, CURB, PAVEMENT, AND BRIDGE RAIL ARE PLACED. "A" DISTANCE IS LISTED FOR SETTING THE BEARING AFTER THE STRUCTURAL STEEL IS ERECTED AND BEFORE THE CONCRETE DECK IS POURED. THE DIFFERENCE IS THE THEORETICAL ELONGATION OF THE BOTTOM FLANGE DUE TO DEAD LOAD DEFLECTION. THE FINAL "B" DISTANCE, AS SHOWN IN THE TABLE, MUST BE ATTAINED WITHIN 1/8 INCH.
6. DESIGN CRITERIA:
   A. BASE PLATE TO CONCRETE DESIGN PRESSURE = 1000 PSI MAXIMUM.
   B. MINIMUM ALLOWABLE DESIGN ROTATION = 0.015 RADIANS.
   C. HORIZONTAL CAPACITY SHALL BE A MINIMUM OF 10% OF THE VERTICAL LOAD.
   D. DESIGN LOAD PER BEARING @ ABUTMENTS = 100 KIPS.
      DESIGN LOAD PER BEARING @ PIERS = 180 KIPS.
7. ALL STEEL IN BEARING DEVICES (EXCEPT STAINLESS STEEL) SHALL BE AASHTO M-270, GRADE 36.
8. ANCHOR BOLTS SHALL HAVE A MINIMUM OF 15" EMBEDMENT INTO THE CONCRETE AND SHALL CONFORM TO SUBSECTION 714.08.
9. ALL BEARING DEVICES SHALL BE GALVANIZED OR METALIZED AS PER SUBSECTIONS 531.04 (b) AND 506.15 (b) & (c), AS MODIFIED BY THE GENERAL SPECIAL PROVISIONS. IF THE BEARINGS ARE METALIZED, THEY SHALL BE SEALED WITH AN APPROVED SEALER AS SPECIFIED IN SUBSECTION 506.15 (b) OF THE GENERAL SPECIAL PROVISIONS. AREAS OF GALVANIZING OR METALIZING DAMAGED BY FIELD WELDING OR HANDLING SHALL BE REPAIRED IN CONFORMANCE WITH ASTM SPECIFICATION A760/A760M.
10. ALL ANCHOR BOLTS, NUTS, AND WASHERS SHALL BE GALVANIZED. ALL WASHERS SHALL BE 3/8" PLATE (MINIMUM). PAYMENT FOR ANCHOR BOLTS, NUTS, AND WASHERS SHALL BE INCLUDED IN THE UNIT BID PRICE FOR ITEM 531.10, "BEARING DEVICE ASSEMBLY".

ABUTMENT NO. 6
TEMPERATURE SETTING TABLE

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

STATE OF VERMONT
AGENCY OF TRANSPORTATION

Town Of FAIRFAX-FAIRFIELD-ST. ALBANS	Bridge No. 88S
Highway No. I-89	Log Sta. / Surv. Sta.
I-89 OVER ST. ALBANS SOUTH STATE HIGHWAY (EXIT 19)	
88S EXPANSION BEARING DETAILS ABUT. NO. 6	
Designed By M. LOZIER	Drawn By K. CHISHOLM
Checked By M. LOZIER Date 2/00	Bridge Design Supervisor R. R. WHITCOMB Date 2/00
PROJECT FAIRFAX-FAIRFIELD-ST. ALBANS	PROJECT NO. I M 089 - 3 (27)
I.G.C. Info. 96a056\Structures\sa056fr2.dgn	sa056br11
Bridge Sheet No. BR419	Sheet 171 of 370

PLOTTED 21-SEP-2000