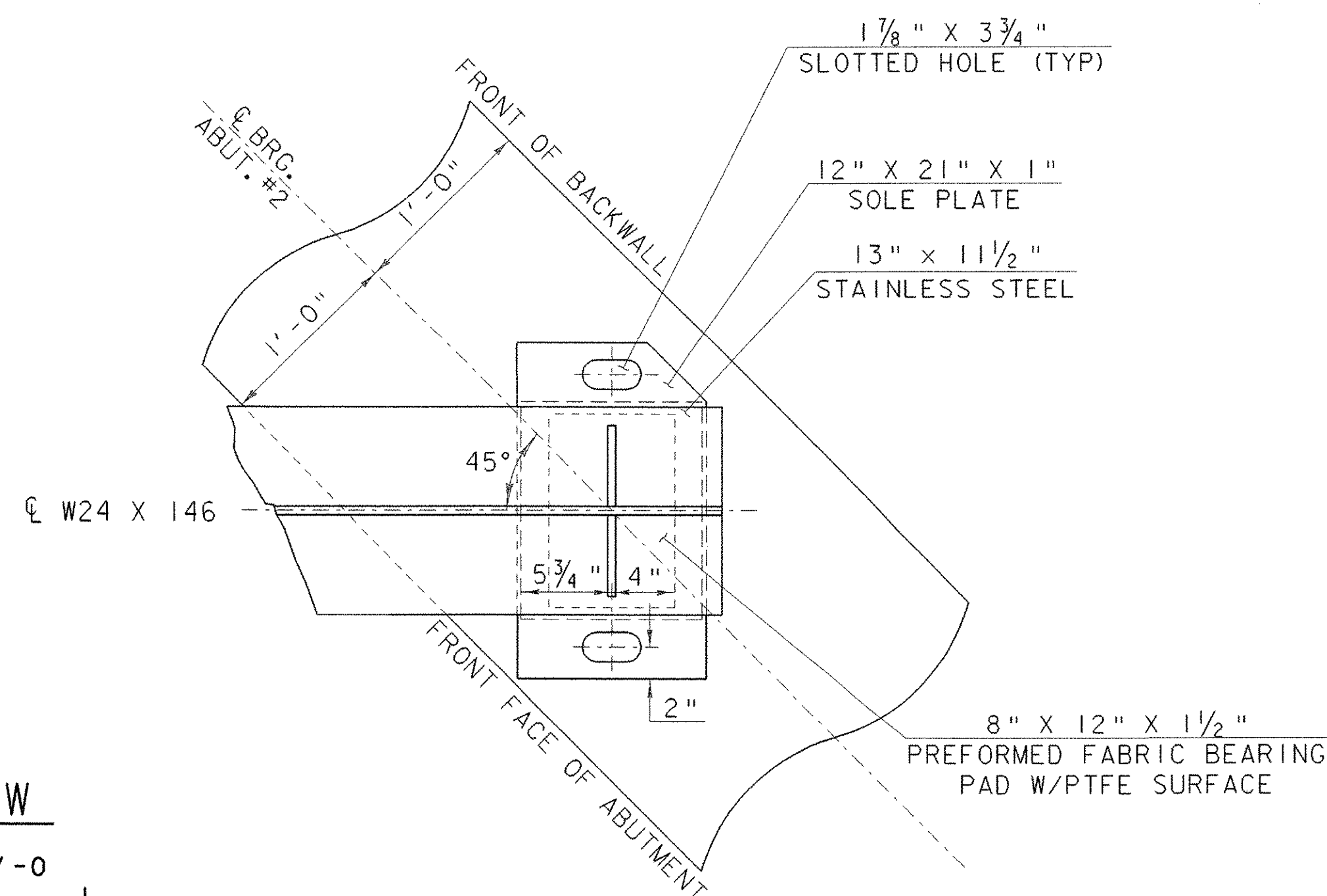


**PLAN VIEW**

SCALE 1/2" = 1'-0"  
 1 9 6 3 0

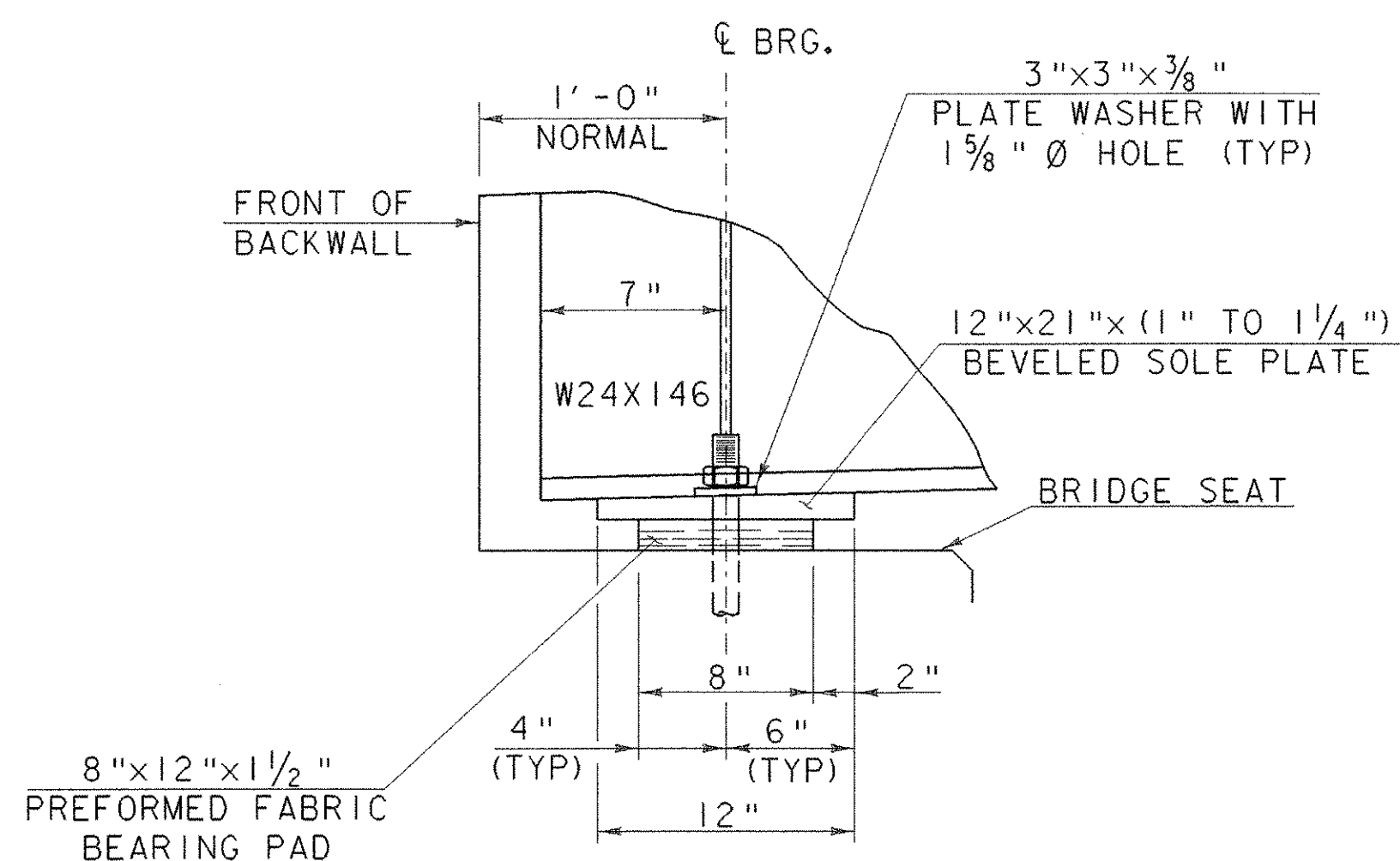


**BEARING NOTES**

- BEARINGS SHALL BE PAID FOR UNDER THE ITEM 531.10 "BEARING DEVICE ASSEMBLY, PREFORMED FABRIC PAD" AND SHALL CONFORM TO APPLICABLE SUBSECTIONS OF SECTION 531 AND 731.
- THE FIELD WELD CONNECTING THE BOTTOM FLANGE WITH THE BEARING DEVICE SHALL BE MADE WITH E7018 RODS. AREAS OF GALVANIZING OR METALIZING DAMAGED BY WELDING AND/OR HANDLING SHALL BE PAINTED WITH A ZINC RICH PAINT, IN ACCORDANCE WITH SUBSECTION 513.06 (f).
- ALTERNATE CONFIGURATIONS FOR BEARINGS MAY BE SUBMITTED FOR APPROVAL. ANY ALTERNATE SUBMITTED SHALL BE DESIGNED AND CERTIFIED TO MEET THE DESIGN LOADS AND CRITERIA SHOWN ON THIS SHEET, AND SHALL MAINTAIN THE ANCHORAGE SYSTEM SHOWN.
- BRIDGE SEAT ELEVATIONS MAY BE REVISED TO ACCOMMODATE AN ALTERNATE CONFIGURATION.
- THE "A" DISTANCE IS THE SOLE PLATE ADJUSTMENT TO BE USED BEFORE DEAD LOAD IS ADDED TO THE GIRDERS. THE "B" DISTANCE IS THE SOLE PLATE ADJUSTMENT TO BE USED AFTER THE DECK AND CURBS HAVE BEEN POURED. THE DIFFERENCE IS THE THEORETICAL ELONGATION OF THE BOTTOM FLANGE DUE TO DEAD LOAD DEFLECTION FROM THE DECK AND CURBS. THE FINAL "B" DISTANCE MUST BE REACHED WITHIN 1/8".
- DESIGN CRITERIA:
  - BASE PLATE TO CONCRETE DESIGN PRESSURE = 1000 PSI MAXIMUM.
  - MINIMUM ALLOWABLE DESIGN ROTATION = 0.015 RADIAN.
  - HORIZONTAL CAPACITY SHALL BE A MINIMUM 10% OF VERTICAL LOAD.
  - DESIGN LOAD PER BEARING = 90.89 KIPS.

DL = 29.35 K  
 LL + I = 61.54 K  
 90.89 K

- SHOP DRAWINGS CONFORMING TO SUBSECTION 531.03 SHALL BE SUBMITTED AND INCLUDE ANY NECESSARY WELDING OR BONDING PROCEDURES.
- SOLE PLATES, ANCHOR BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED OR METALIZED AS PER SECTION 531.04 (b) AND 506.15. IF THE BEARINGS ARE METALIZED, THEY SHALL BE SEALED WITH AN APPROVED PRIMER AS SPECIFIED IN SUBSECTION 531.04 (b).
- ALL WASHERS SHALL BE 3/8" PLATE MINIMUM. PAYMENT FOR ANCHOR BOLTS, NUTS, AND WASHERS SHALL BE INCLUDED IN THE UNIT BID PRICE FOR "BEARING DEVICE ASSEMBLY, PREFORMED FABRIC PAD". ANCHOR BOLTS SHALL CONFORM TO VAOT STANDARD SPECIFICATIONS FOR CONSTRUCTION SECTION 714.08.
- ALL STEEL IN BEARING DEVICES (EXCEPT STAINLESS STEEL) SHALL BE AASHTO M 270M/M 270 GRADE 36. ANCHOR BOLTS SHALL BE ASTM A307.

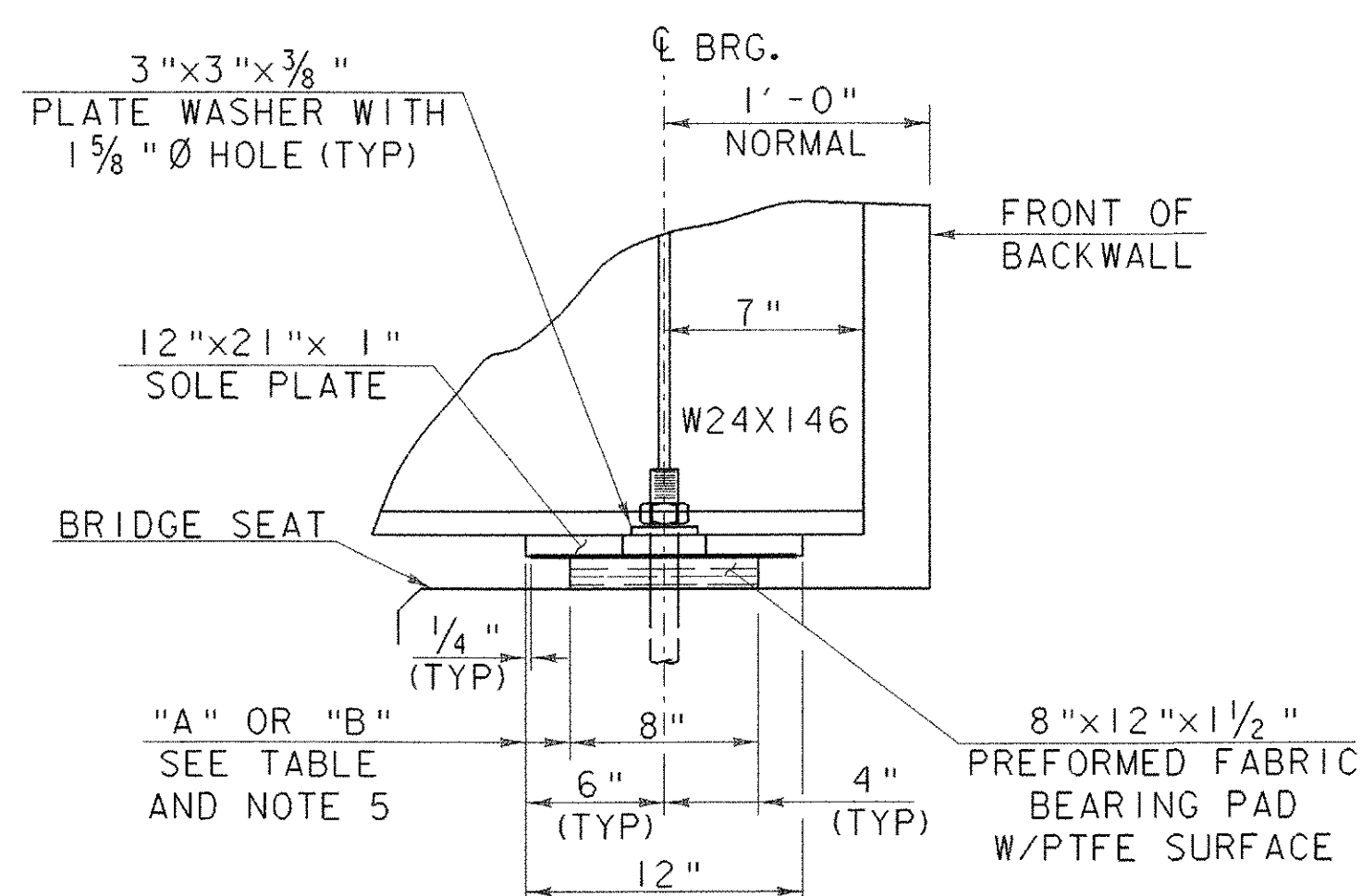


**SOLE PLATE CLIP DETAIL**

NTS

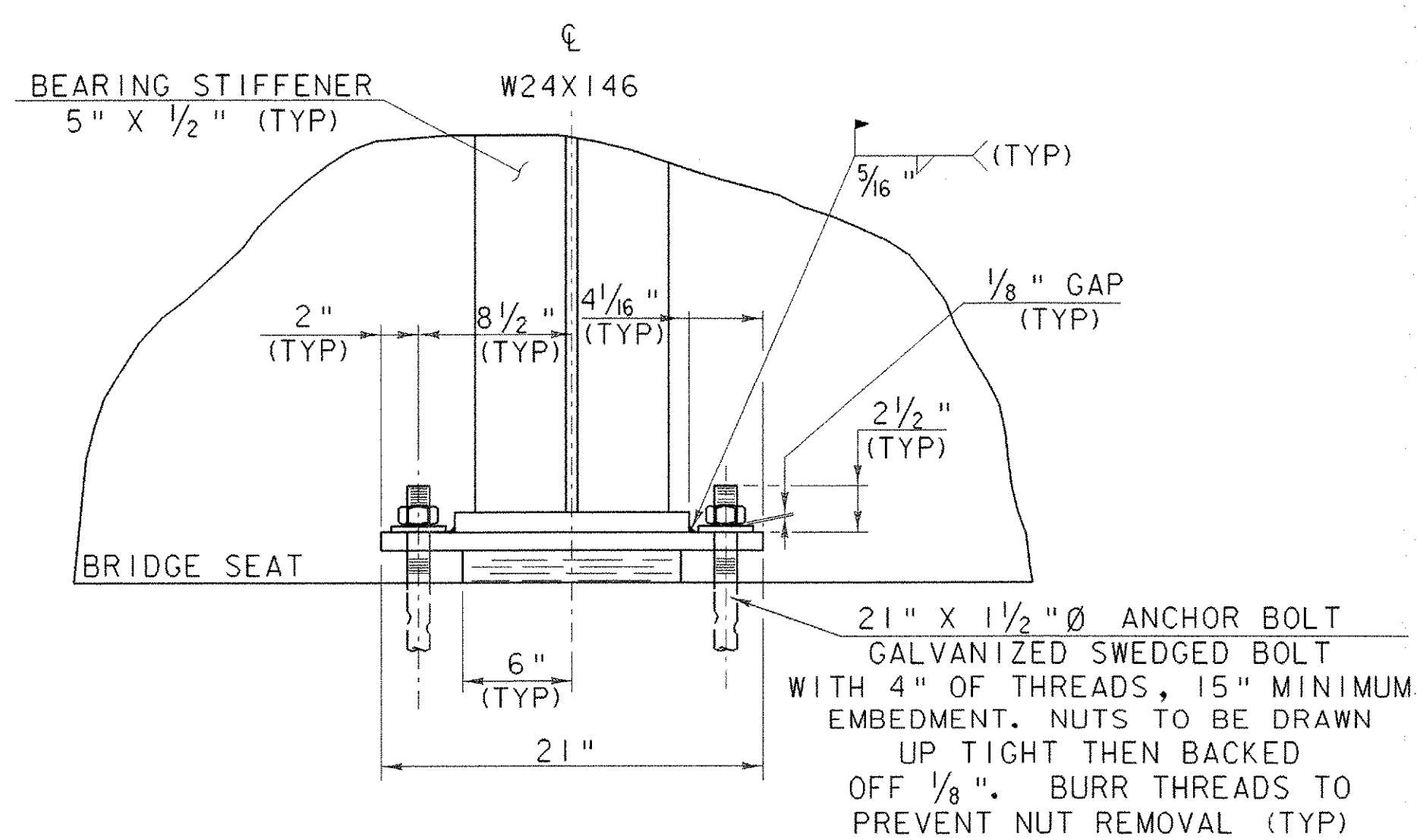
**SIDE VIEW**

PARALLEL TO C/T H 8  
 SCALE 1/2" = 1'-0"  
 1 9 6 3 0



**ABUTMENT NO. 2**

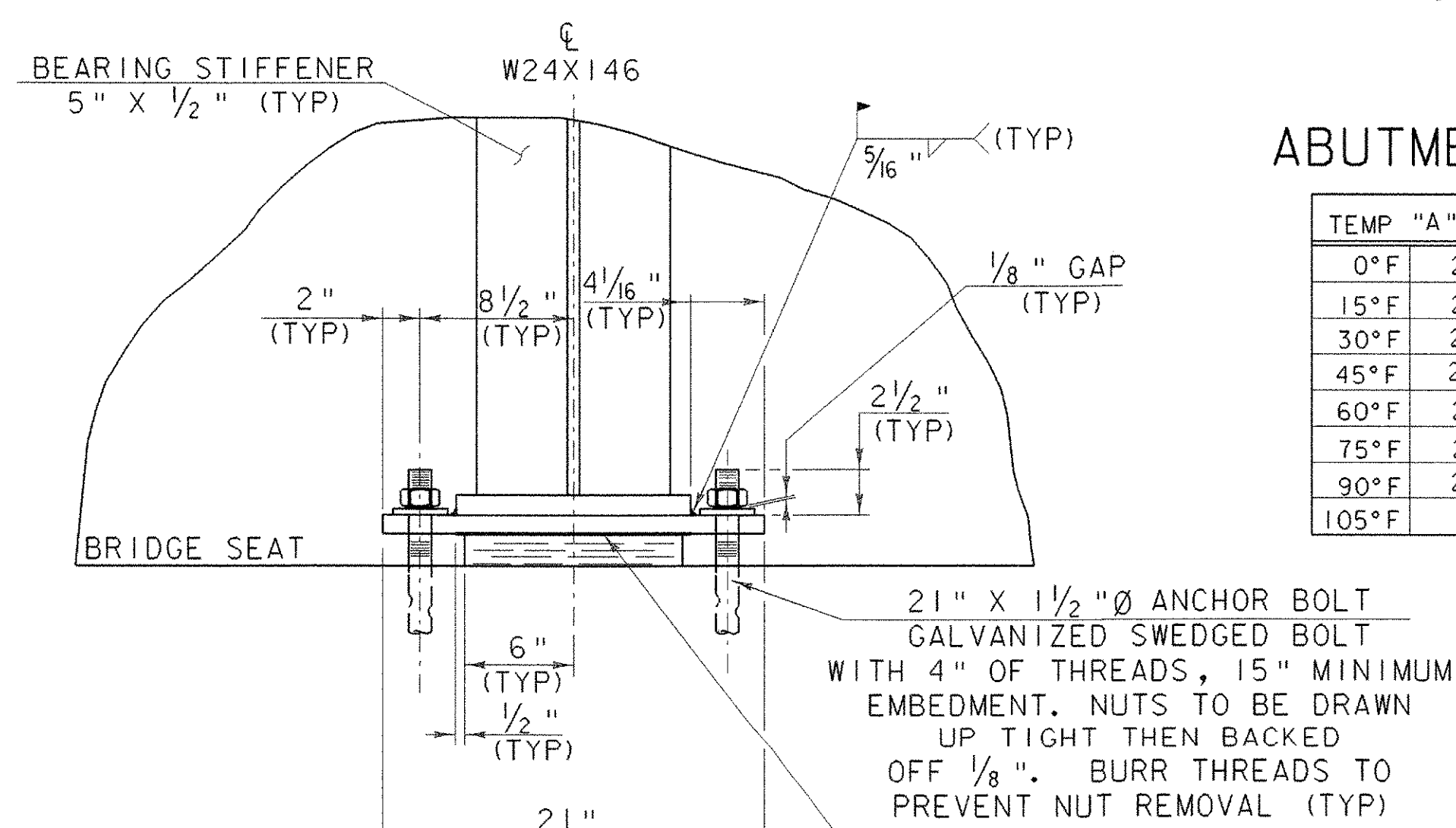
TEMP	"A" DIST	"B" DIST
0°F	2 1/16"	2 3/16"
15°F	2 3/16"	2 1/8"
30°F	2 5/16"	2 1/16"
45°F	2 7/16"	2"
60°F	2 9/16"	1 15/16"
75°F	2 11/16"	1 7/8"
90°F	2 13/16"	1 5/8"
105°F	2"	1 3/4"



**FIXED BEARING @ ABUT #1**

**FRONT VIEW**

SCALE 1/2" = 1'-0"  
 1 9 6 3 0



**EXPANSION BEARING @ ABUT #2**

**STATE OF VERMONT  
 AGENCY OF TRANSPORTATION**

Town Of **READING** Bridge No. **25**  
 Highway No. **TH 8** Log Sta. \_\_\_\_\_  
 Rev. Sta. \_\_\_\_\_

**BEARING DETAILS**

**TH 8 OVER MILL BROOK**

Designed By R. S. YOUNG Drawn By R. S. YOUNG  
 Checked By \_\_\_\_\_ Date \_\_\_\_\_ Bridge Design Supervisor  
 W. B. SYMONDS 10/00 C. P. WILLIAMS Date 10/00

PROJECT **READING** PROJECT NO. **BRZ 1444 (23)**

I.G.C. Info. M:\Projects\90\058\Structures\sj058spr.dgn  
 Bridge Sheet No. sj058bea.i Sheet 17 of 49