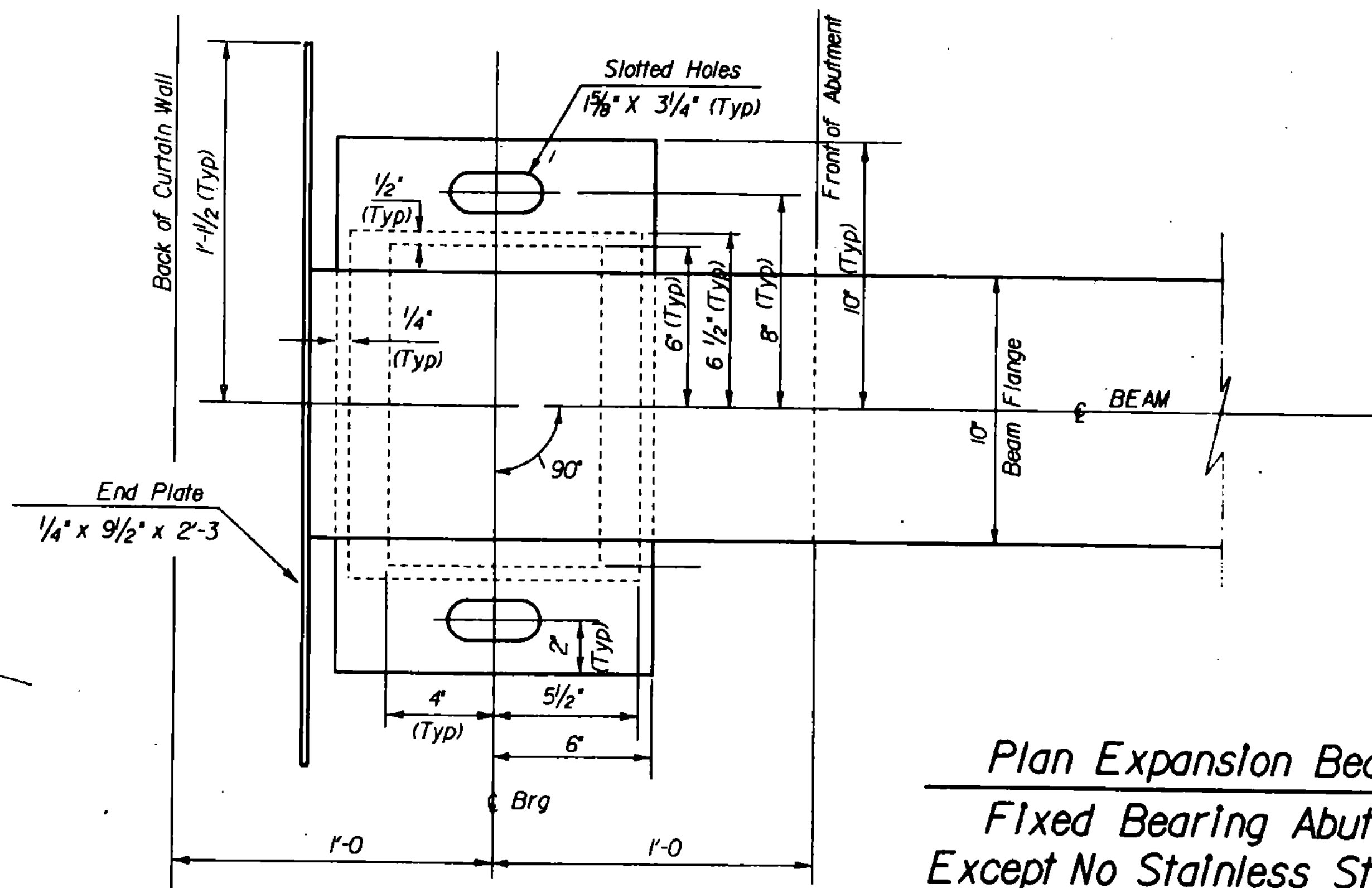


TEMPERATURE TABLE

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

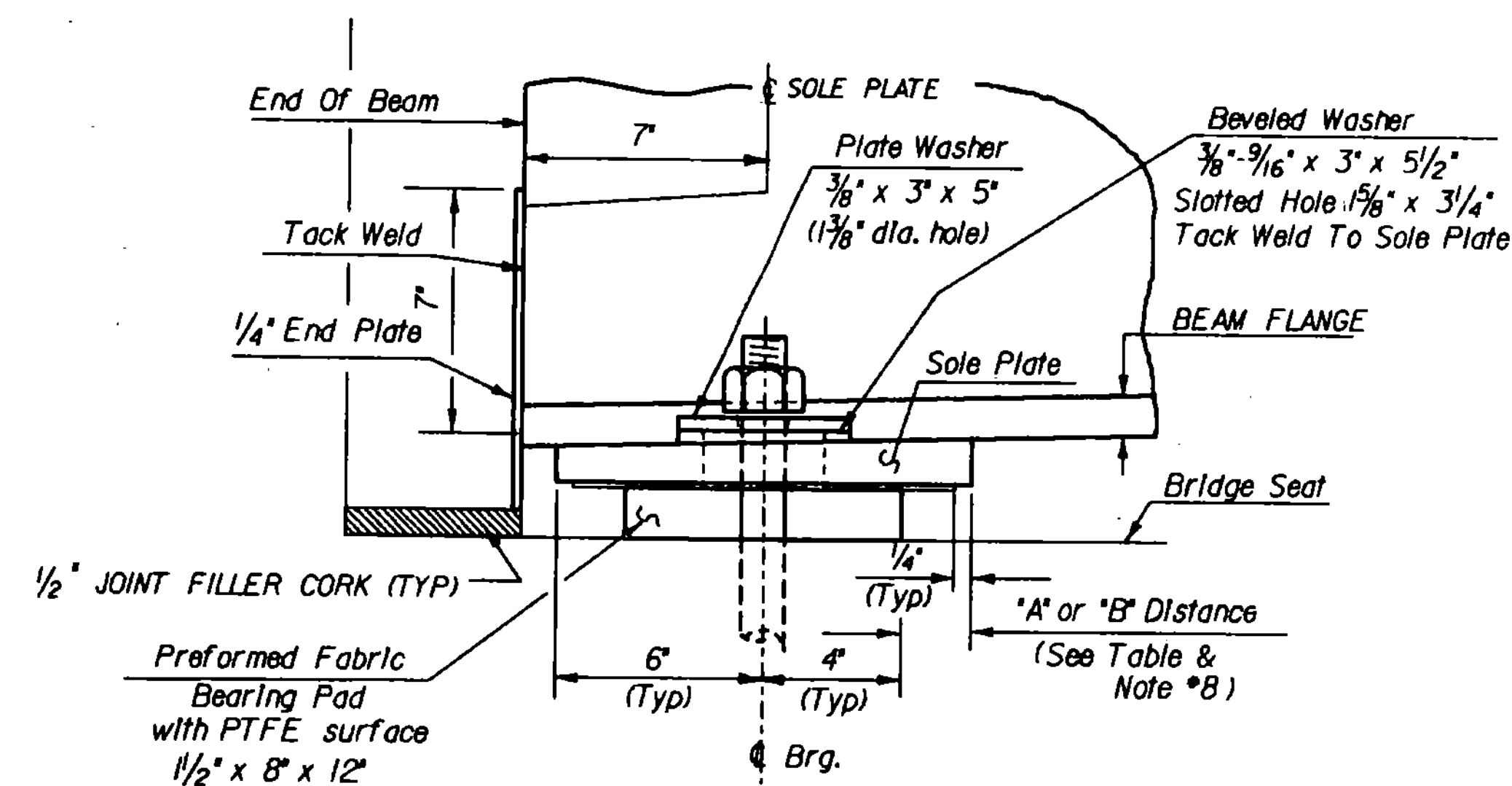
SOLE PLATE & BEARING DETAIL NOTES

- BEARINGS SHALL CONFORM TO APPLICABLE SUBSECTIONS OF SECTION 731.
- BEARINGS SHALL BE PAID FOR UNDER THE ITEM 53103 BEARING DEVICE ASSEMBLY.
- SHOP DRAWINGS CONFORMING TO SUBSECTION 53103 SHALL BE SUBMITTED TO INCLUDE WELDING AND BONDING PROCEDURES.
- THE CONCRETE SURFACE UNDER THE BEARINGS SHALL BE LEVEL.
- THE FIELD WELD CONNECTING THE BOTTOM FLANGE WITH THE SOLE PLATE SHALL BE MADE WITH 8018-C3 RODS. AREAS OF GALVANIZING DAMAGED BY WELDING SHALL BE PAINTED WITH A ZINC RICH PAINT.
- 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 BEAMS. THE 'B' DISTANCE IS THE SOLE PLATE ADJUSTMENT TO BE USED AFTER THE DECK AND CURBS HAVE BEEN POURED. 'B' DISTANCE SETTING SHOWN SHALL BE REACHED WITHIN 1/16".
- DESIGN CRITERIA:
 A. BASE PLATE TO CONCRETE DESIGN PRESSURE = 1000PSI MAXIMUM
 B. MINIMUM ALLOWABLE DESIGN ROTATION = 0.015 RADIAN.
 C. HORIZONTAL CAPACITY SHALL BE MINIMUM 10% OF VERTICAL LOAD.
- ALL STEEL IN SOLE PLATES SHALL BE ASTM A-588 GALVANIZED OR ASTM A36 GALVANIZED.
- ANCHOR BOLTS SHALL HAVE A MINIMUM OF 15' EMBEDMENT INTO CONCRETE.
- SEE SHEET 8 FOR DETAILS OF BOX OUT IN BACKWALL FOR BEARINGS.
- IN LIEU OF BEVELED WASHERS, THE CONTRACTOR HAS THE OPTION OF MILLING THE SOLE PLATE SUCH THAT IT IS BEVELED FOR THE WIDTH OF THE FLANGE PLUS 1" ON EACH SIDE WITH THE REMAINDER BEING FULL THICKNESS UNDER FLAT WASHERS AND NUTS.



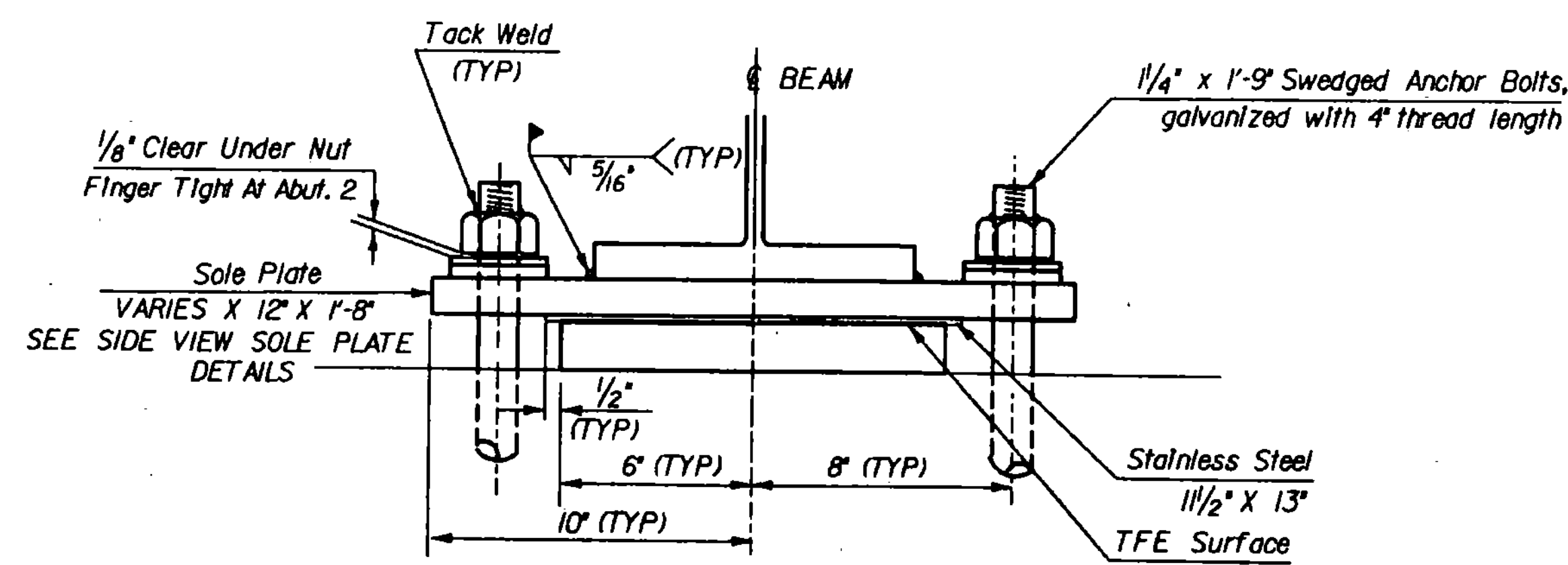
Plan Expansion Bearing Abut. 1
 Fixed Bearing Abut. 2 Same
 Except No Stainless Steel Or PTFE
 And No Slotted Holes
 (1 5/8" Ø Hole)

Scale 3" = 1'-0"



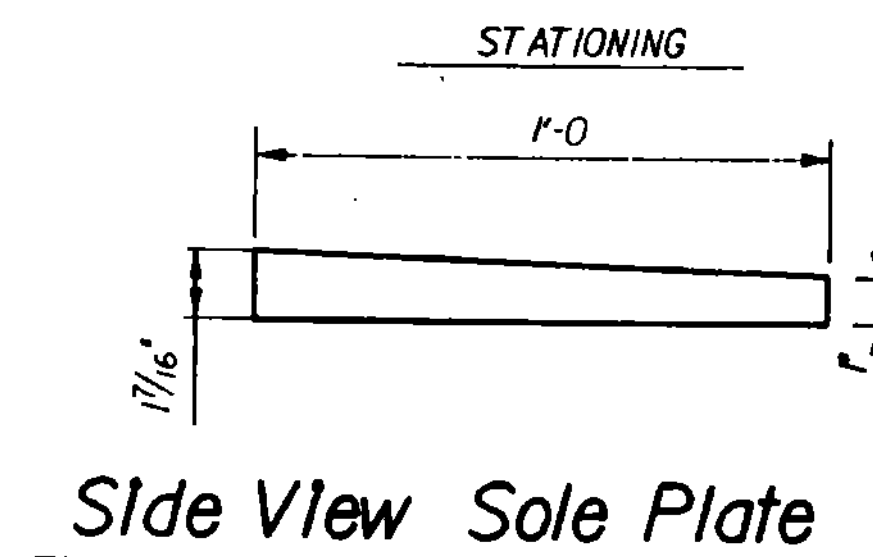
Side Elevation

Scale 3" = 1'-0"



Front View

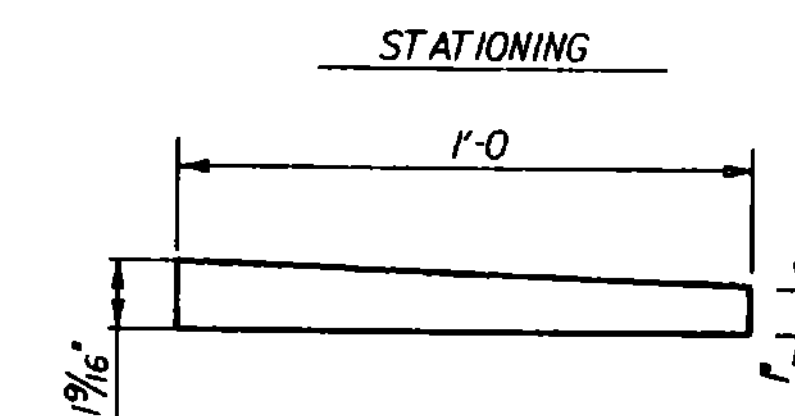
Scale 3" = 1'-0"



Side View Sole Plate

Abutment #1

Scale 3" = 1'-0"



Side View Sole Plate

Abutment #2

Scale 3" = 1'-0"

STATE OF VERMONT AGENCY OF TRANSPORTATION			
Town Of	CHARLESTON	Bridge No.	B24
Highway No.	TH 3	Loc. Sta.	52-0
TH 3 OVER CLYDE RIVER			
BEARING DETAILS			
Designed By	ACHURCH	Drawn By	SINCLAIR
Checked By	WILLIAMS	Bridge Design Supervisor	R. GENDRON
	12-88	Date	1-89
PROJECT	CHARLESTON	PROJECT NO.	BRZ 1449(14)
L&C. Info.	ZF A/E 30.56763C560FRM.DGN	CHARLBRC.PRF	
Bridge Sheet No.		Sheet	11 of 33