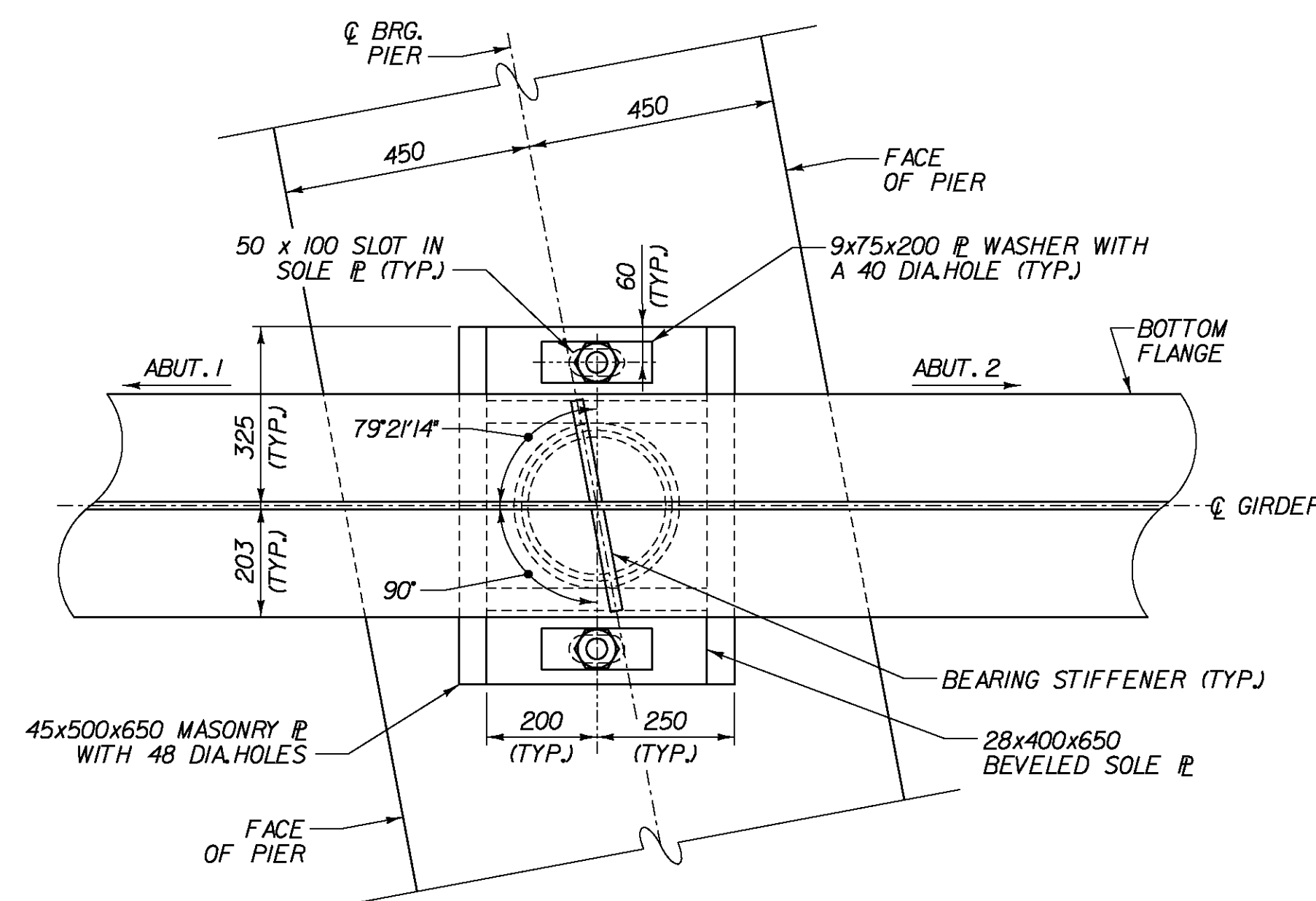
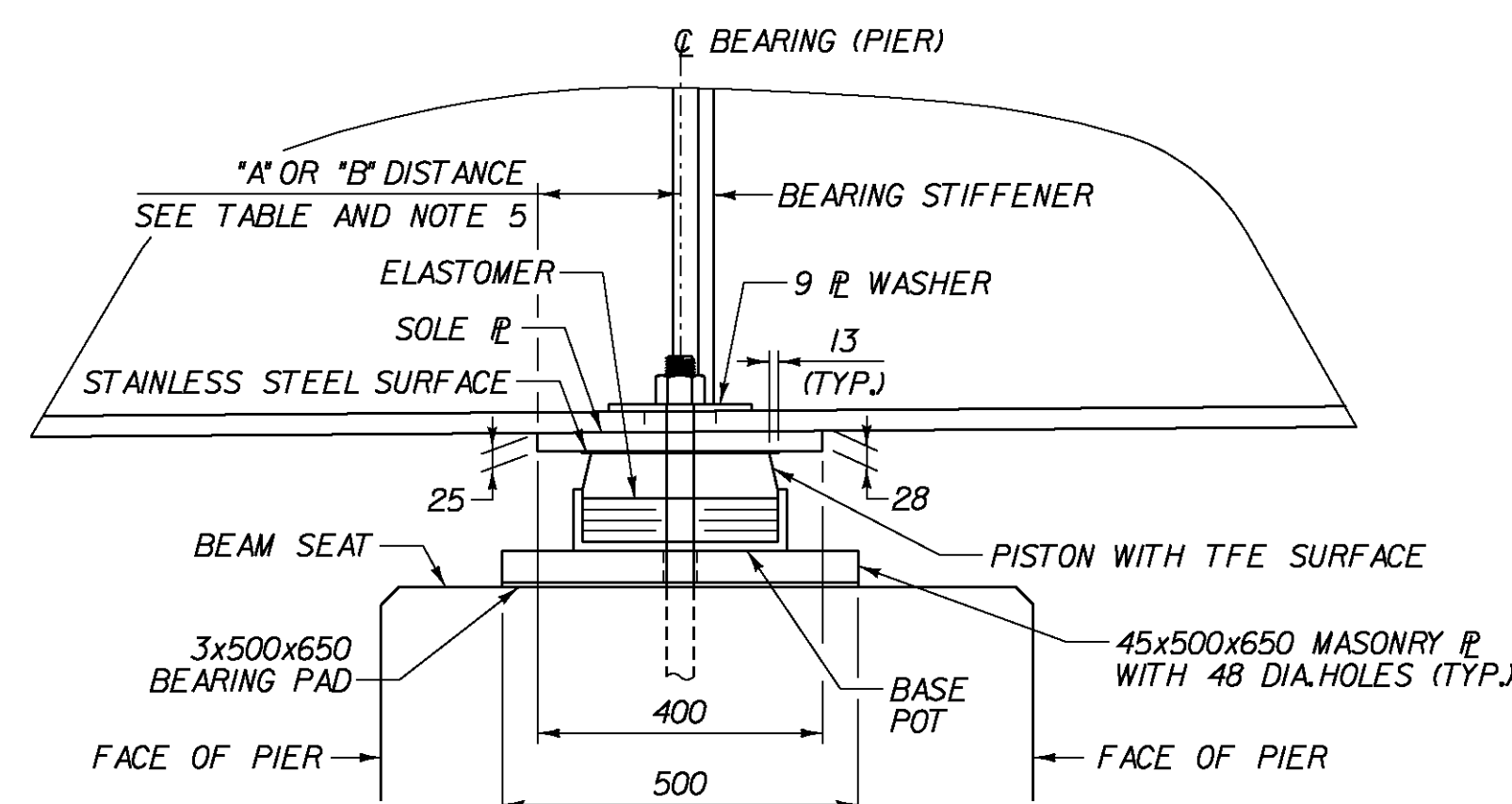
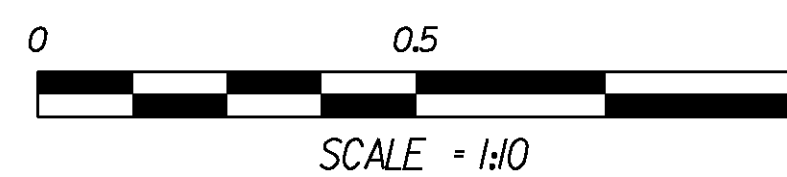


BEARING NOTES:

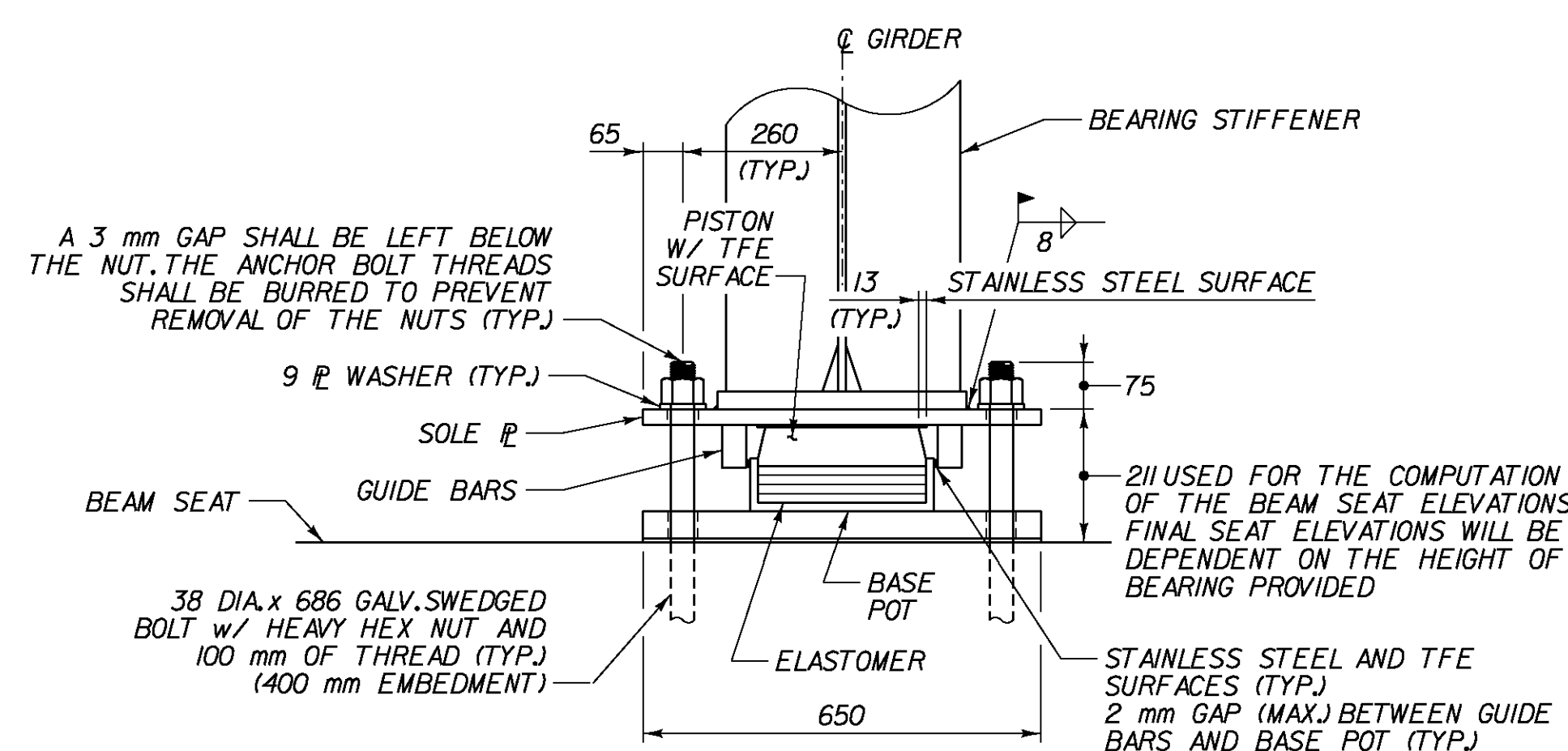
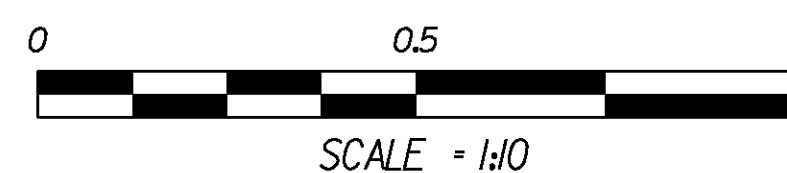
1. BEARINGS SHALL CONFORM TO APPLICABLE SUBSECTIONS OF THE STANDARD SPECIFICATION SECTIONS 531 AND 731.
2. BEARINGS SHALL BE PAID FOR UNDER ITEM 531J0 FOR PREFORMED FABRIC PADS AND ITEM 531J2 FOR POT BEARINGS.
3. SHOP DRAWINGS CONFORMING TO STANDARD SPECIFICATION SUBSECTION 531.03 SHALL BE SUBMITTED TO INCLUDE WELDING AND BONDING PROCEDURES.
4. THE CONCRETE SURFACE UNDER THE BEARING DEVICE SHALL BE LEVEL.
5. THE "B" DISTANCE IS LISTED FOR SETTING THE BEARING AFTER THE STRUCTURAL STEEL IS ERECTED AND BEFORE THE CONCRETE DECK IS POURED. THE "A" DISTANCE IS THE FINAL SETTING FOR THE BEARING PAD AFTER THE CONCRETE SLAB, CURB, SIDEWALK, PAVEMENT, AND BRIDGE RAIL ARE PLACED. 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 3.
6. DESIGN CRITERIA:
A. BASE PLATE TO CONCRETE DESIGN PRESSURE - 6895 kPa MAXIMUM.
B. SEE TABLES BELOW FOR DESIGN LOADS.
7. ALL STEEL IN BEARING DEVICES (EXCEPT STAINLESS STEEL) SHALL BE AASHTO M 270M/M 270, ASTM A709/A 709M GRADE 345.
8. ANCHOR BOLTS SHALL HAVE A MINIMUM OF 400 EMBEDMENT INTO THE CONCRETE AND SHALL CONFORM TO STANDARD SPECIFICATION SUBSECTION 714.08. ANCHOR BOLTS SHALL CONFORM TO THE REQUIREMENTS OF ASTM F568M, CLASS 4.6.
9. ALL THE ANCHOR BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED. ALL WASHERS SHALL BE 9 PLATE (MINIMUM). PAYMENT FOR ANCHOR BOLTS, NUTS AND WASHERS SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE APPROPRIATE 531 ITEM.
10. BEARING DEVICES SHALL BE GALVANIZED OR METALLIZED AS PER STANDARD SPECIFICATION SUBSECTIONS 531.04(b). AREAS OF DAMAGED GALVANIZING SHALL BE REPAIRED IN ACCORDANCE WITH SECTION 513. AREAS OF DAMAGED METALLIZING SHALL BE COATED WITH THE SAME SEALANT USED BY THE BEARING SUPPLIER. THE INSIDES OF THE POTS SHALL NOT BE GALVANIZED.



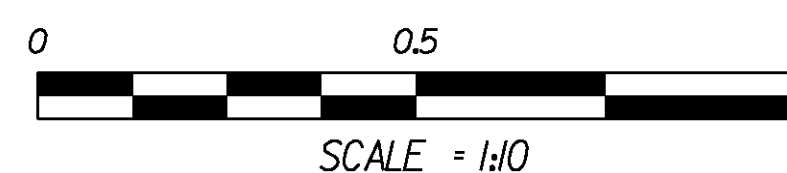
PLAN



SIDE ELEVATION



FRONT ELEVATION



ABUTMENT NO. 1 BEARING DESIGN LOAD TABLE

LOCATION	DESCRIPTION	VERTICAL LOAD CAPACITY kN	TRANSVERSE LOAD CAPACITY kN	LONGITUDINAL LOAD CAPACITY kN	MOVEMENT CAPACITY (METERS)	ROTATION CAPACITY (RADIAN)
S.U.P. GIRDER NO. 1	FIXED BEARING	400	40	6l	N/A	0.020
S.U.P. GIRDER NO. 2	FIXED BEARING	400	40	6l	N/A	0.020

PIER BEARING DESIGN LOAD TABLE

LOCATION	DESCRIPTION	VERTICAL LOAD CAPACITY kN	TRANSVERSE LOAD CAPACITY kN	LONGITUDINAL LOAD CAPACITY kN	MOVEMENT CAPACITY (METERS)	ROTATION CAPACITY (RADIAN)
S.U.P. GIRDER NO. 1	GUIDED EXP. BEARING (LONG.)	1140	114	N/A	0.040	0.015
S.U.P. GIRDER NO. 2	GUIDED EXP. BEARING (LONG.)	1140	114	N/A	0.040	0.015

ABUTMENT No. 2 BEARING DESIGN LOAD TABLE

LOCATION	DESCRIPTION	VERTICAL LOAD CAPACITY kN	TRANSVERSE LOAD CAPACITY kN	LONGITUDINAL LOAD CAPACITY kN	MOVEMENT CAPACITY (METERS)	ROTATION CAPACITY (RADIAN)
S.U.P. GIRDER NO. 1	EXP. BEARING	316	N/A	N/A	0.070	0.015
S.U.P. GIRDER NO. 2	EXP. BEARING	316	N/A	N/A	0.070	0.015

PIER TEMPERATURE SETTING TABLE

TEMP.	"A" DIST.	"B" DIST.
-20° C	264	269
-10° C	259	264
0° C	255	260
10° C	250	255
20° C	245	250
30° C	241	246
40° C	237	242

SEE NOTE 5 THIS SHEET

STATE OF VERMONT AGENCY OF TRANSPORTATION

Town Of	BENNINGTON	Bridge No.	B11
Highway No.	TH 5	Log Sta.	
		Surv. Sta.	
SHARED USE PATH OVER VT ROUTE 279			
PIER BEARING DETAILS (S.U.P.)			
Designed By	G. BOGUE	Drawn By	S. BURBANK
Checked By	T. KNIGHT	Date	04/06
		Bridge Design Supervisor	G. BOGUE
		Date	03/07
PROJECT	BENNINGTON	PROJECT NO.	AC NH 019-1(53)
Dgn:	...Design\ER\ERP-Brgs2.dgn	Plot Date:	5/25/2011
Bridge Sheet No.	BR633	Sheet	280 of 577