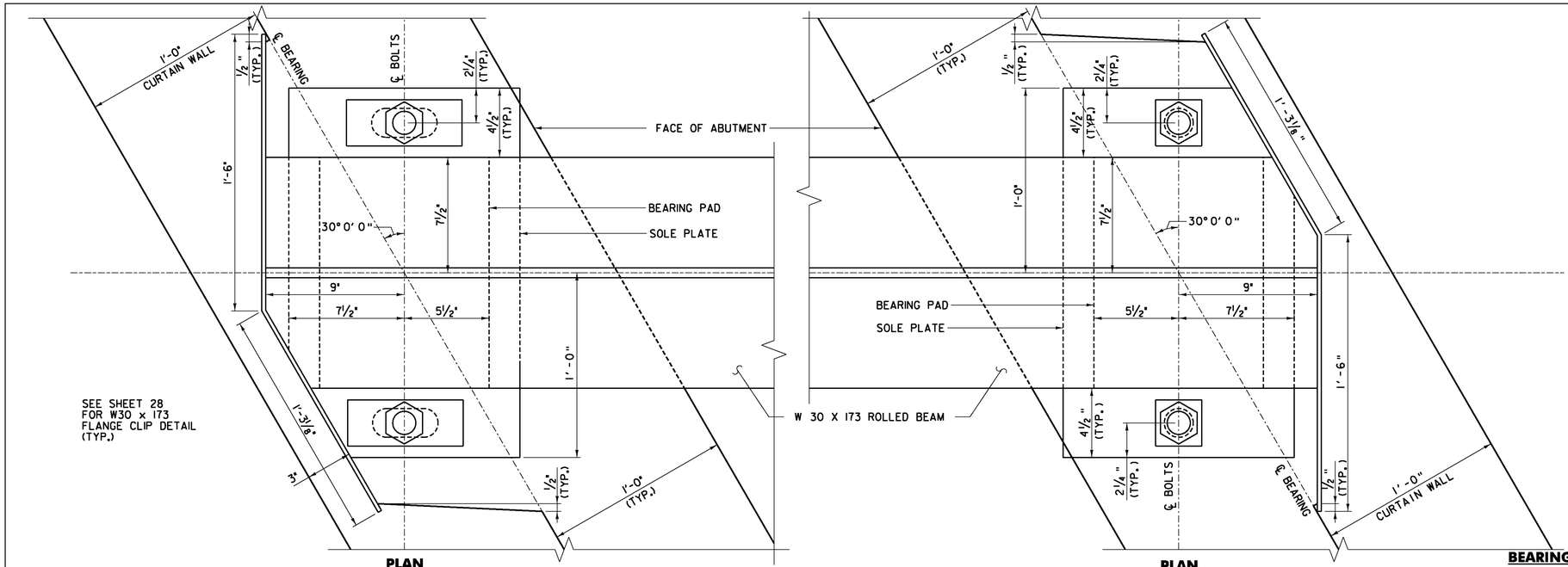
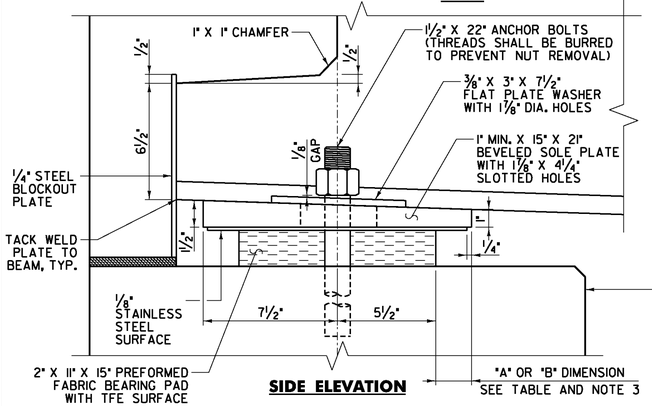
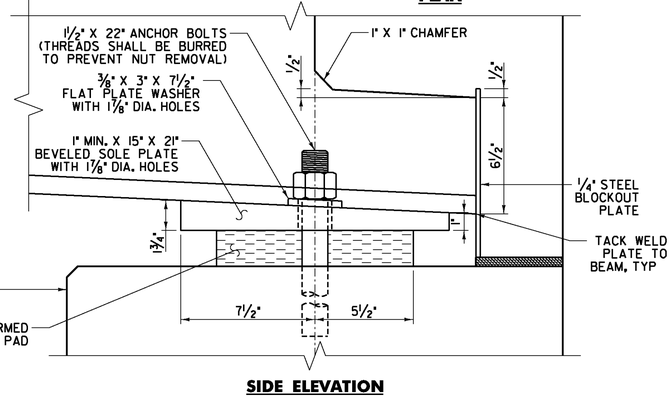


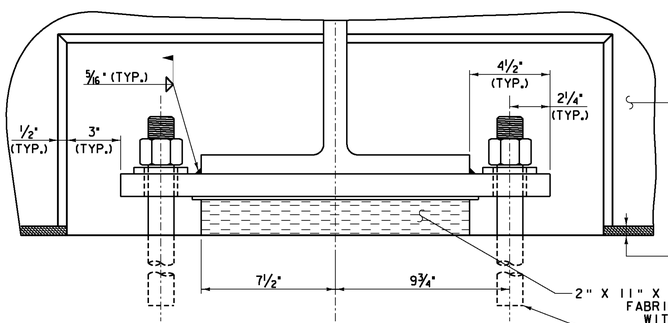
PLAN **PLAN**



SIDE ELEVATION



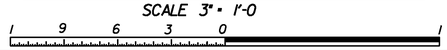
SIDE ELEVATION

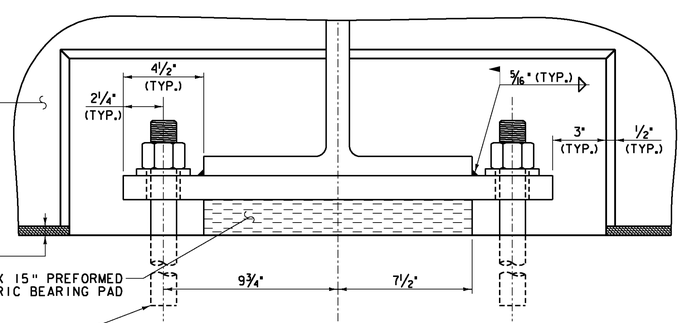


FRONT ELEVATION

EXPANSION BEARING DETAILS AT ABUT. NO. 1

SCALE 3" = 1'-0

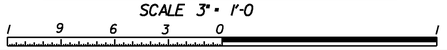




FRONT ELEVATION

FIXED BEARING DETAILS AT ABUT. NO. 2

SCALE 3" = 1'-0



TEMPERATURE ADJUSTMENT TABLE		
TEMP (F)	"A" DISTANCE (INCHES)	"B" DISTANCE (INCHES)
120	1 3⁄8"	1 7⁄8"
105	1 1⁄2"	2"
90	1 5⁄8"	2 1⁄8"
75	1 3⁄4"	2 1⁄4"
60	1 7⁄8"	2 3⁄8"
45	2"	2 1⁄2"
30	2 1⁄8"	2 5⁄8"
15	2 1⁄4"	2 3⁄4"
0	2 3⁄8"	2 7⁄8"
-15	2 1⁄2"	3"
-30	2 5⁄8"	3 1⁄8"

SEE NOTE 3

BEARING NOTES

1. BEARINGS SHALL CONFORM TO APPLICABLE SUBSECTIONS OF SECTIONS 531 AND 731.
2. FABRICATION DRAWINGS CONFORMING TO SUBSECTION 531.03 SHALL BE SUBMITTED TO INCLUDE WELDING AND BONDING PROCEDURES.
3. THE "A" DISTANCE IS THE SOLE PLATE ADJUSTMENT TO BE USED AFTER THE DECK SYSTEM, CURB, PAVEMENT, AND BRIDGE RAIL ARE PLACED. THE "B" DISTANCE IS THE SOLE PLATE ADJUSTMENT TO BE USED BEFORE DEAD LOAD IS ADDED TO THE BEAM SELFWEIGHT. THE FINAL "A" DISTANCE, AS SHOWN IN THE TABLE, MUST BE ATTAINED TO WITHIN ⅛".
4. DESIGN CRITERIA:
   A. ALLOWABLE BEARING PRESSURE ON CONCRETE = 1000 P.S.I.
   B. MINIMUM ALLOWABLE DESIGN ROTATION = 0.015 RADIANS
   C. HORIZONTAL CAPACITY SHALL BE A MINIMUM OF 6% OF THE VERTICAL LOAD
   D. DESIGN LOAD PER BEARING = 125 KIPS (DEAD LOAD + LIVE LOAD)
5. ALL STEEL IN BEARING DEVICES (EXCEPT STAINLESS) SHALL BE AASHTO M270, GRADE 36, AND GALVANIZED PER SPECIFICATION 531.04(b).
6. ANCHOR BOLTS SHALL HAVE A MINIMUM OF 15" EMBEDMENT INTO THE CONCRETE AND SHALL CONFORM TO SUBSECTION 714.08.
7. ALL ANCHOR BOLTS, NUTS, AND WASHERS SHALL BE GALVANIZED. ALL WASHERS SHALL BE ⅜" PLATE (MINIMUM). PAYMENT FOR ANCHOR BOLTS, NUTS AND WASHERS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 531.10, "BEARING DEVICE ASSEMBLY, PREFORMED FABRIC PAD."
8. DRILL HOLES IN NEW ABUTMENT CAP FOR NEW ANCHOR BOLTS. HOLES FOR ANCHOR BOLTS SHALL BE 3" DIAMETER IF ANCHOR BOLTS ARE TO BE GROUTED IN AND 2½" DIAMETER IF ANCHOR BOLTS ARE TO BE INSTALLED USING MORTAR, TYPE IV.
9. EXISTING ANCHOR BOLTS ON EXISTING ABUTMENTS SHALL BE CUT TO 1" MINIMUM BELOW EXISTING BRIDGE SEAT. BLAST CLEAN AND FILL VOID WITH MORTAR TYPE IV. PAYMENT SHALL BE INCIDENTAL TO ITEM 531.10, "BEARING DEVICE ASSEMBLY, PREFORMED FABRIC PAD."

DuBois & King inc.
engineering planning management development

STATE OF VERMONT
AGENCY OF TRANSPORTATION

Town Of BARRE CITY	Bridge No. 7
Highway No. PROSPECT ST.	Log Sta. / Surv. Sta.

PROSPECT ST. OVER STEVENS BRANCH

BEARING DETAILS (W30X173)

Designed By A.P. GUYETTE	Drawn By A.P. GUYETTE
Checked By Date	Bridge Design Supervisor
E. P. DETRICK 1/09	J. W. TUCKER Date 1/09
PROJECT BARRE CITY	PROJECT NO. BHF 6000 (15) S
I.G.C. Info.	
Bridge Sheet No.	Sheet 31 of 56

PLOTTED 2/2/2009

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