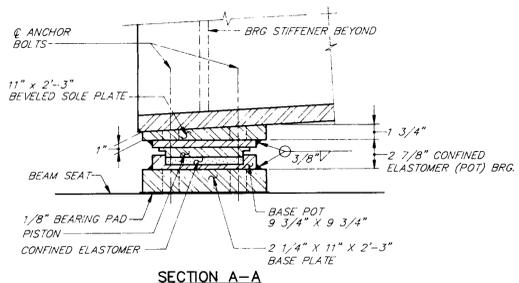
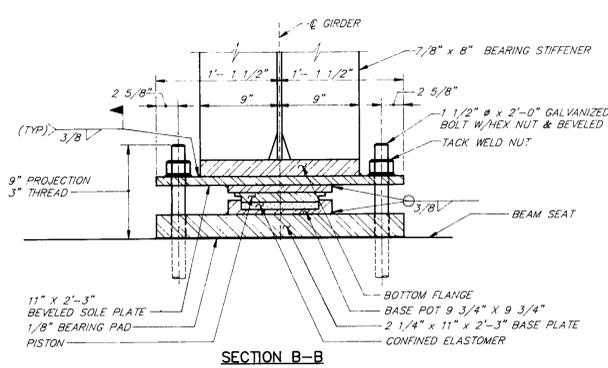


PLAN

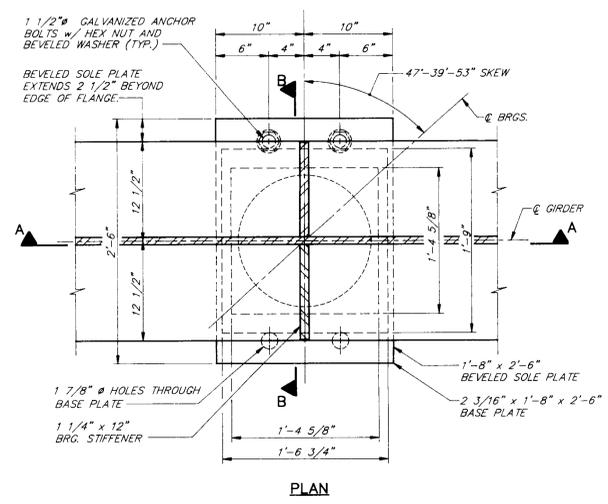


SECTION A-A

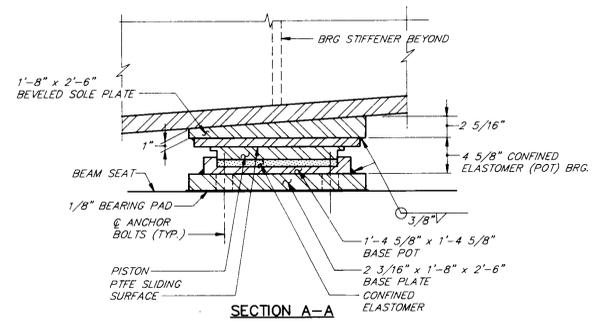


SECTION B-B

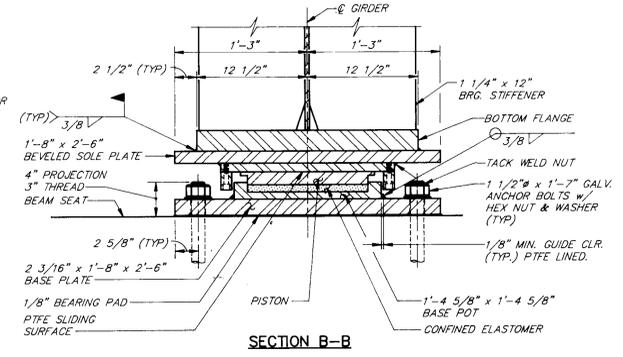
FIXED BEARING - (ABUTMENT 1)
N.T.S.



PLAN

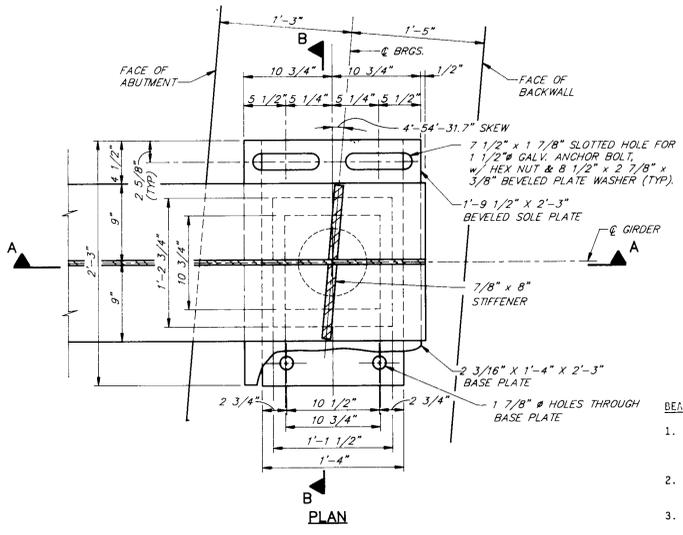


SECTION A-A

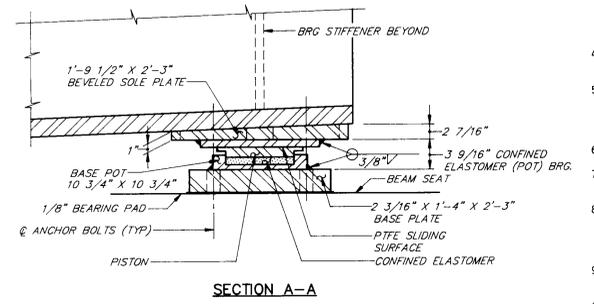


SECTION B-B

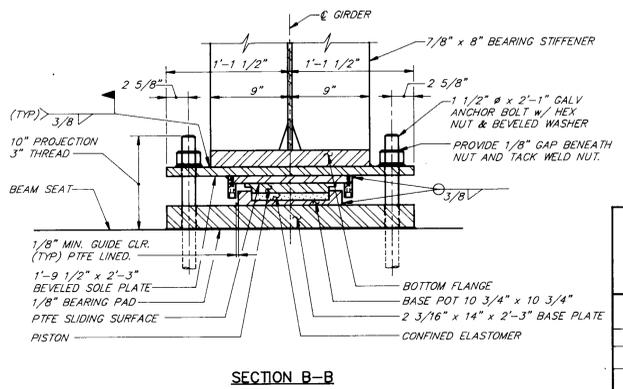
EXPANSION BEARING - (PIER)
N.T.S.



PLAN



SECTION A-A



SECTION B-B

EXPANSION BEARING - (ABUTMENT 2)
N.T.S.

SEE ALSO HI-STEEFL FABRICATION DRAWINGS

BEARING DEVICE NOTES

- BEARINGS SHALL CONFORM TO REQUIREMENTS OF SECTION 531. COMPONENTS SHALL CONFORM TO DESIGN, FABRICATION AND MATERIAL REQUIREMENTS OF THE APPLICABLE SUBSECTIONS OF SECTION 731, CONFINED ELASTOMER (POT) BEARING.
- BEARINGS SHALL BE PAID FOR UNDER ITEM 531.10, "BEARING DEVICE ASSEMBLY, - RAMP A OVER CVRR."
- SHOP DRAWINGS CONFORMING TO SUBSECTION 531.03 SHALL BE SUBMITTED AND SHALL INCLUDE WELDING AND BONDING PROCEDURES. SHOP DRAWINGS SHALL ALSO INDICATE WHETHER BEARING COMPONENTS ARE TO BE GALVANIZED OR METALIZED. IF METALIZING IS USED, THE SHOP DRAWINGS SHALL DENOTE THE TYPE OF SEAL COATING THAT WILL BE PLACED ON THE METALIZING.
- SOLE PLATES AND WASHERS ARE TO BE GALVANIZED OR METALIZED AS PER SUBSECTION 506.15 (b) OR (c).
- THE WELD BETWEEN THE SOLE PLATE AND BOTTOM FLANGE SHALL BE SHAW 8018 (C3). AREAS OF GALVANIZING ON THE SOLE PLATE DESTROYED IN THE WELDING PROCESS SHALL BE PAINTED WITH A ZINC-RICH PAINT.
- THE CONCRETE SURFACE UNDER THE BEARING SHALL BE LEVEL.
- ANCHOR BOLTS SHALL HAVE A 15-INCH MINIMUM EMBEDMENT INTO CONCRETE.
- AN ALTERNATE BEARING CONFIGURATION MAY BE SUBMITTED FOR APPROVAL. THE ALTERNATE SUBMITTED SHALL BE DESIGNED AND CERTIFIED TO MEET THE DESIGN LOADS AND CRITERIA SHOWN BELOW AND SHALL MAINTAIN THE ANCHORAGE SYSTEM SHOWN.
- IF AN ALTERNATE BEARING CONFIGURATION IS USED, BRIDGE SEAT ELEVATIONS SHALL BE ADJUSTED ACCORDINGLY.
- DESIGN CRITERIA:
 - A. MAXIMUM ALLOWABLE CONCRETE BEARING PRESSURE: 1,000 PSI
 - B. DESIGN LOADS:
 - ABUT. 1 - 177K MAXIMUM VERTICAL REACTION. HORIZONTAL CAPACITY SHALL BE MINIMUM 41K.
 - PIER - 575K MAXIMUM VERTICAL REACTION. HORIZONTAL CAPACITY SHALL BE MINIMUM 10% OF VERTICAL LOAD.
 - ABUT. 2 - 210K MAXIMUM VERTICAL REACTION. HORIZONTAL CAPACITY SHALL BE MINIMUM 10% OF VERTICAL LOAD.

STATE OF VERMONT	
AGENCY OF TRANSPORTATION	
TOWN OF ESSEX	Bridge No. 14
HIGHWAY NO. VT. RTE. 289	Log Sta.
VT. RTE. 289 "RAMP A" OVER CVRR	
BEARING DEVICE DETAILS	
Designed by K.R.H.	Drawn by RFU / M.W.D.
Checked by R.J.S. date 10-12-90	Bridge Design Supervisor M.W.O. date 10-12-90
PROJECT WILLISTON - COLCHESTER	PROJECT NO. PB 0333 - 1(2)
Bridge Sheet No. BR611	Sheet 200 of 400