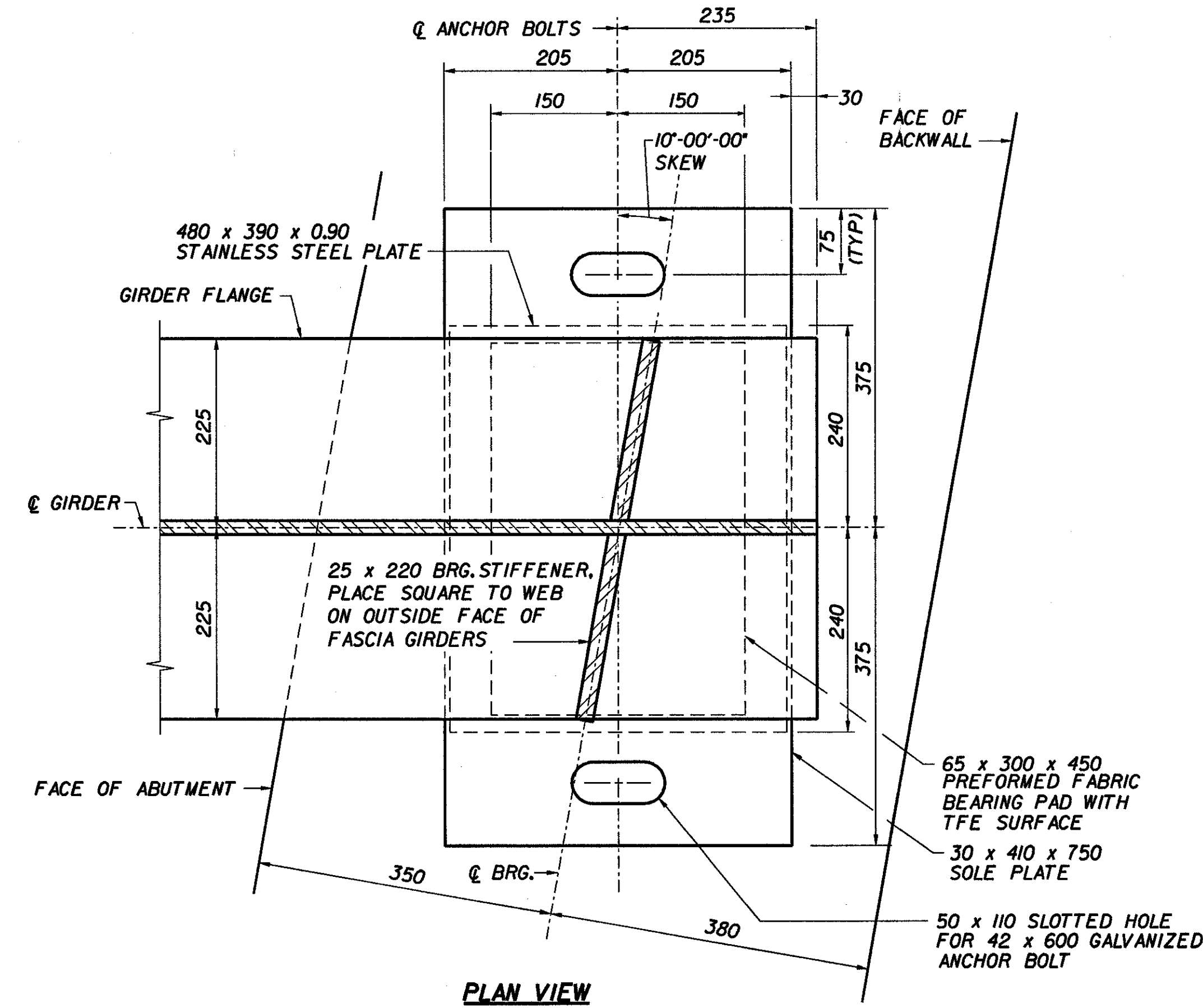


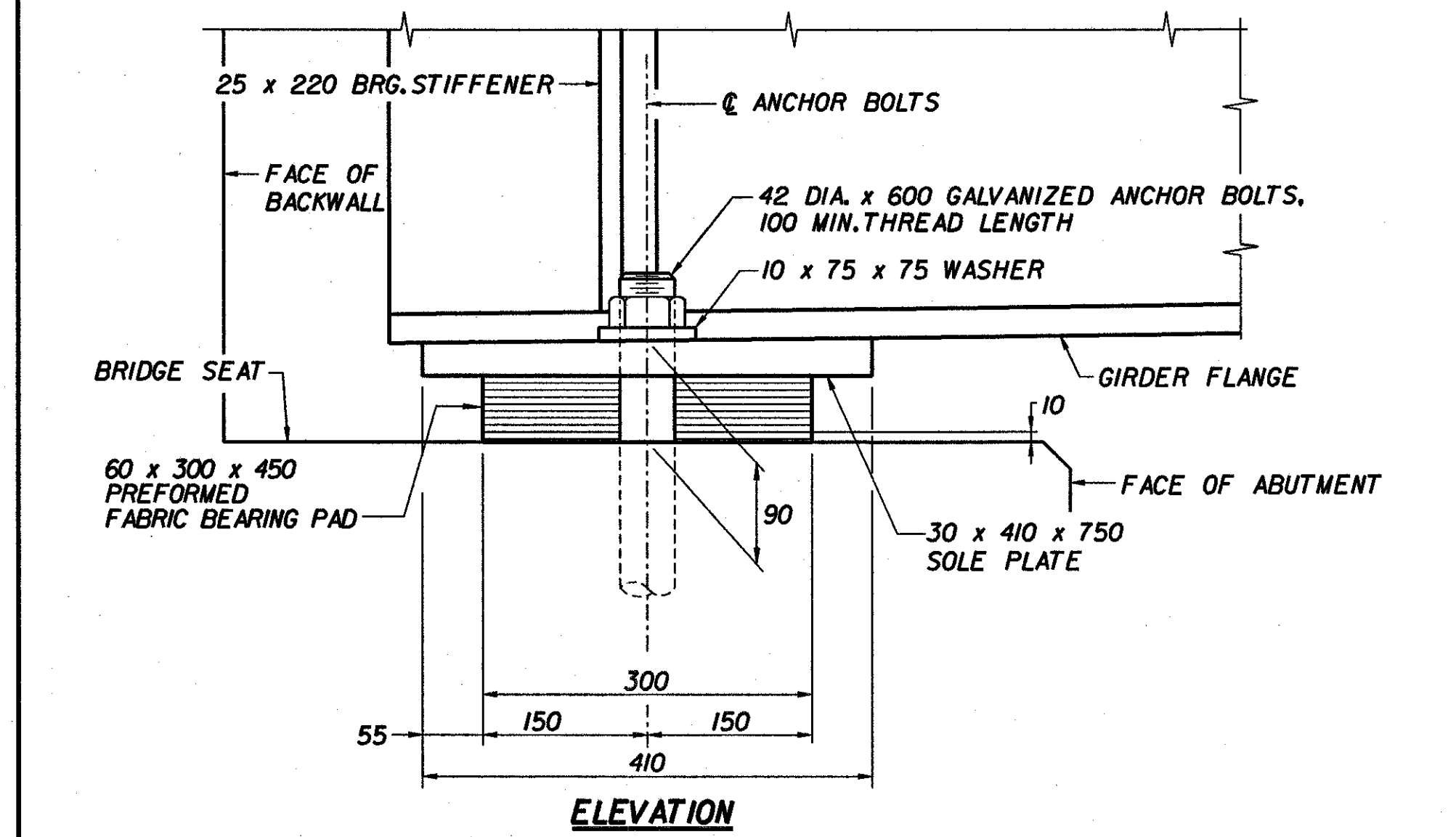
PLAN VIEW



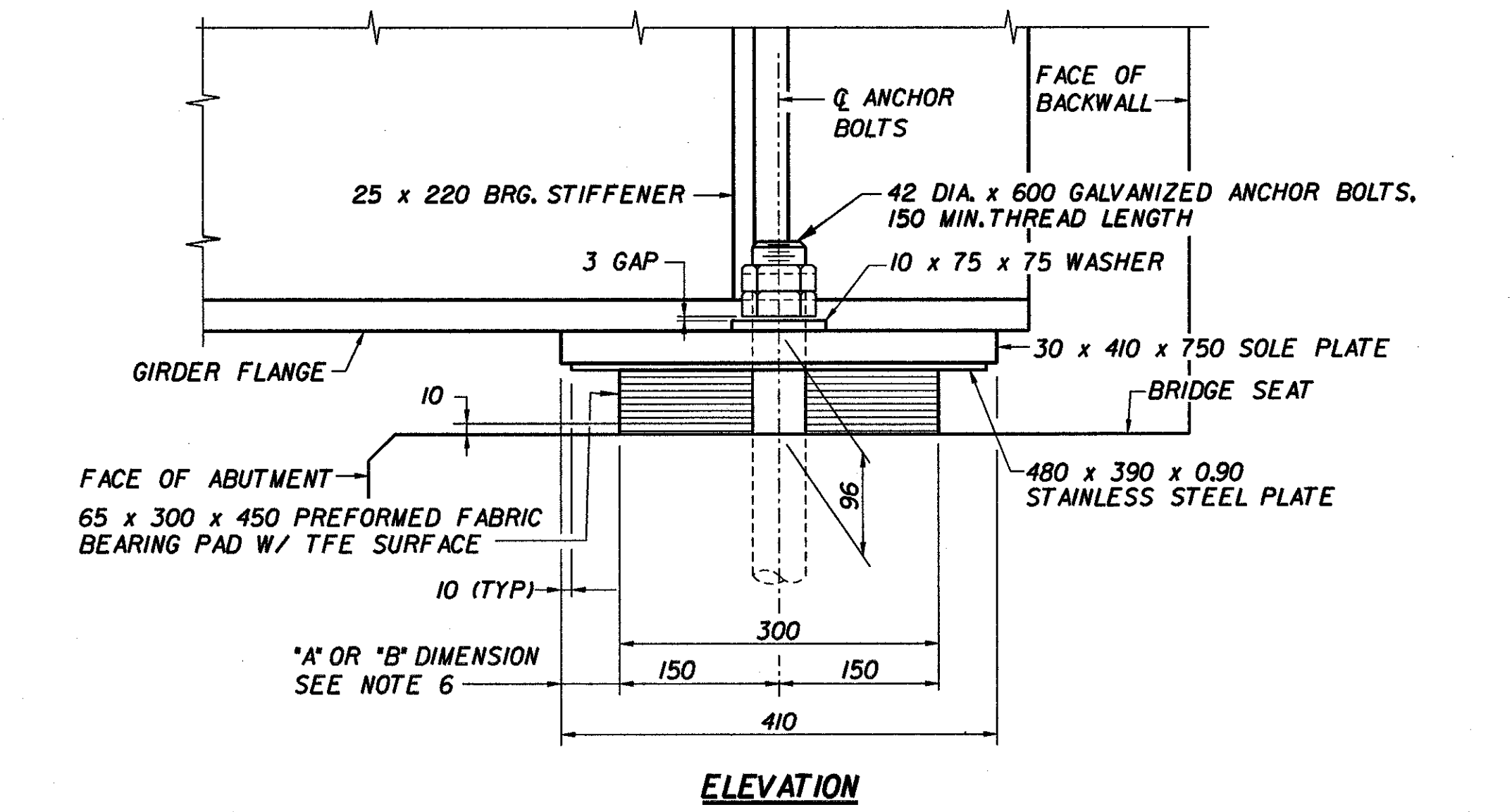
PLAN VIEW

SETTING TABLE		
TEMP. (°C)	DIM. 'A'	DIM. 'B'
-20°	45	27
-10°	49	31
0°	52	34
7°	55	37
20°	60	42
30°	63	45
40°	67	49

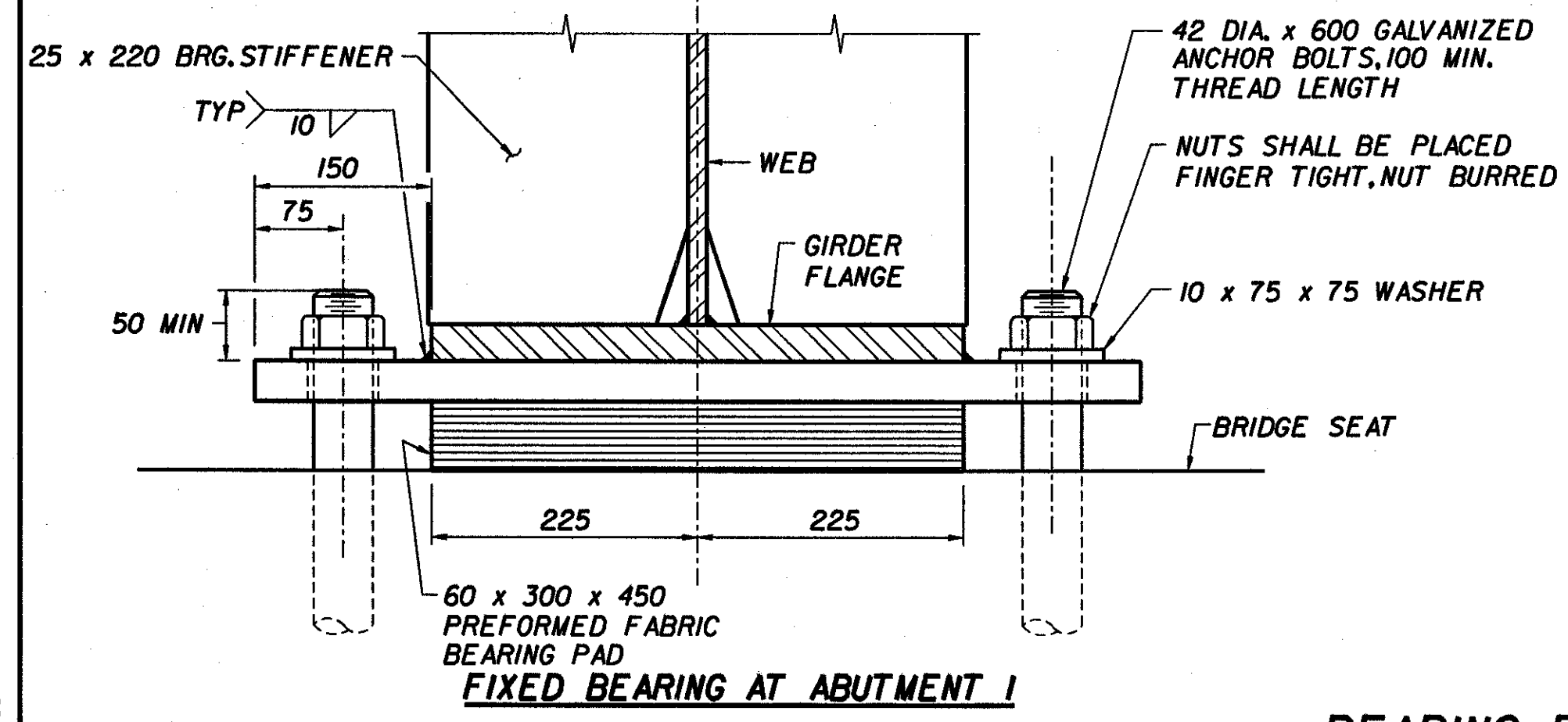
- BEARINGS SHALL CONFORM TO APPLICABLE SUBSECTIONS OF SECTION 531 & 731.
- BEARINGS SHALL BE PAID FOR UNDER THE ITEM 531JO "BEARING DEVICE ASSEMBLY".
- SHOP DRAWINGS CONFORMING TO SUBSECTION 531.03 SHALL BE SUBMITTED TO DALE GOZALKOWSKI, CLOUGH HARBOUR & ASSOCIATES, 111 WINNERS CIRCLE, P.O. BOX 5269, ALBANY, N.Y. 12205-0269 FOR APPROVAL AND SHALL INCLUDE WELDING AND BONDING PROCEDURES, SHOP DRAWING SHALL ALSO INDICATE WHETHER BEARING COMPONENTS ARE GALVANIZED OR METALIZED. IF METALIZED IS USED, THE SHOP DRAWINGS SHALL DENOTE THE TYPE OF SEAL COATING THAT WILL BE PLACED ON THE METALIZING.
- FABRICATION DRAWINGS SHALL IDENTIFY THE NUMBER OF LAYERS OF VULCANIZED SHEETS AND CORRESPONDING SHEET THICKNESSES TO BE USED FOR FABRICATING THE BEARING PAD AND SHALL INCLUDE DETAILED PROCEDURES FOR BONDING THESE SHEETS TOGETHER.
- THE CONCRETE SURFACE UNDER THE BEARING DEVICE SHALL BE LEVEL.
- DIMENSION 'A' IS THE FINAL SETTING FOR THE BEARING PAD AFTER THE CONCRETE SLAB, CURB, PAVEMENT AND BRIDGE RAIL ARE PLACED. DIMENSION 'B' IS LISTED FOR SETTING THE BEARING AFTER THE STRUCTURAL STEEL IS ERECTED AND BEFORE THE CONCRETE DECK IS POURED. THE DIFFERENCE IS THE THEORETICAL ELONGATION OF THE BOTTOM FLANGE DUE TO THE DEAD LOAD DEFLECTION. THE FINAL DISTANCE 'A', AS SHOWN IN THE TABLE, MUST BE ATTAINED WITHIN 6 mm.
- DESIGN CRITERIA:
  - BASE PLATE TO CONCRETE DESIGN PRESSURE - 6.9 MPa MAXIMUM
  - MINIMUM ALLOWABLE DESIGN ROTATION - 0.015 RADIAN
  - DESIGN LOAD PER BEARING - 852 kN.
- ALL STEEL IN BEARING DEVICES (EXCEPT STAINLESS) SHALL BE AASHTO M270/M, M270 GRADE 250. THE WELD BETWEEN THE SOLE PLATE AND BOTTOM FLANGE SHALL BE SMAW 8018 (C3).
- ANCHOR BOLTS SHALL HAVE A 380 mm MINIMUM EMBEDMENT INTO CONCRETE. ANCHOR BOLTS, NUTS AND WASHERS SHALL CONFORM TO SECTION 714.08.
- ALL BEARING DEVICES SHALL BE GALVANIZED OR METALIZED AS PER SUBSECTION 531.04(b) & (c). IF THE BEARINGS ARE METALIZED THEY SHALL BE SEALED WITH AN APPROVED PRIMER AS SPECIFIED IN SUBSECTION 506J5(b). AREAS OF GALVANIZING OR METALIZING DAMAGED BY FIELD WELDING OR HANDLING SHALL BE REPAIRED IN ACCORDANCE WITH SUPPLEMENTAL SPECIFICATION 513.
- ALL THE ANCHOR BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED. ALL WASHERS SHALL BE 10 mm PLATE (MINIMUM). PAYMENT FOR THE ANCHOR BOLTS, NUTS AND WASHERS SHALL BE INCLUDED IN THE UNIT BID PRICE FOR ITEM 531JO "BEARING DEVICE ASSEMBLY".



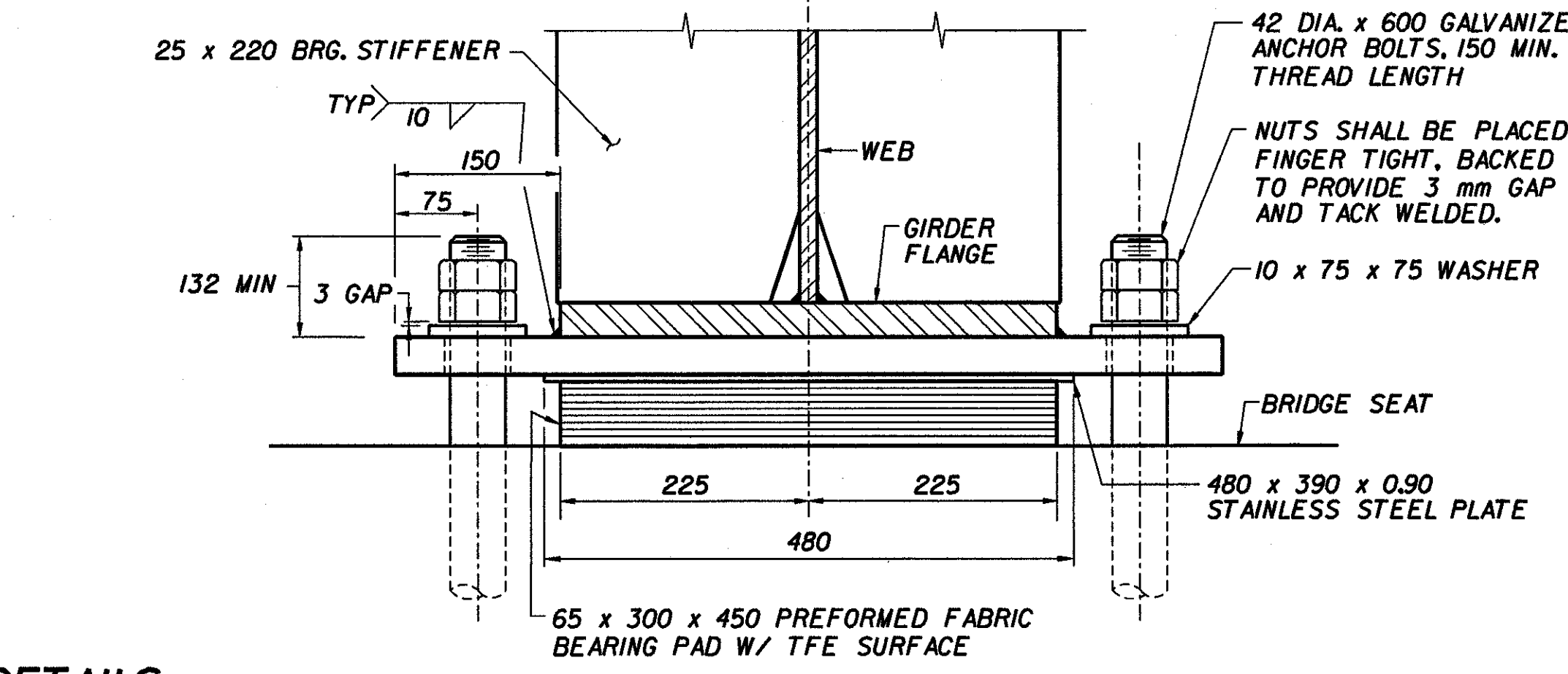
ELEVATION



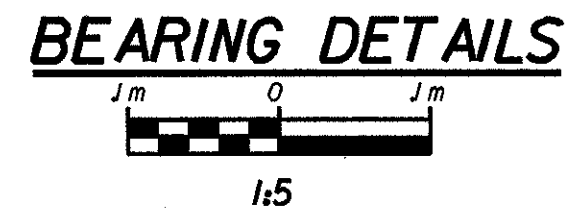
ELEVATION



FIXED BEARING AT ABUTMENT 1



EXPANSION BEARING AT ABUTMENT 2



## STATE OF VERMONT AGENCY OF TRANSPORTATION

Town Of	BENNINGTON	Bridge No.	BR600
Highway No.	VT. RTE. 9	Log Sta.	
		Surv. Sta.	15+170
VT. RTE. 9 OVER AUSTIN HILL ROAD			
BEARING DETAILS			
Designed By	M. GOGUEN	Drawn by	D. ADDARIO/B. WEATHERBY
Checked By	Date	Bridge Design Supervisor	Date
	P. PERKINS 11/01	M. OLSTAD	11/01
PROJECT	BENNINGTON-HOOSICK	PROJECT NO.	D.P.L. 01460
I.G.C. Info.			
Bridge Sheet No.	BR613	Sheet	275 OF 473