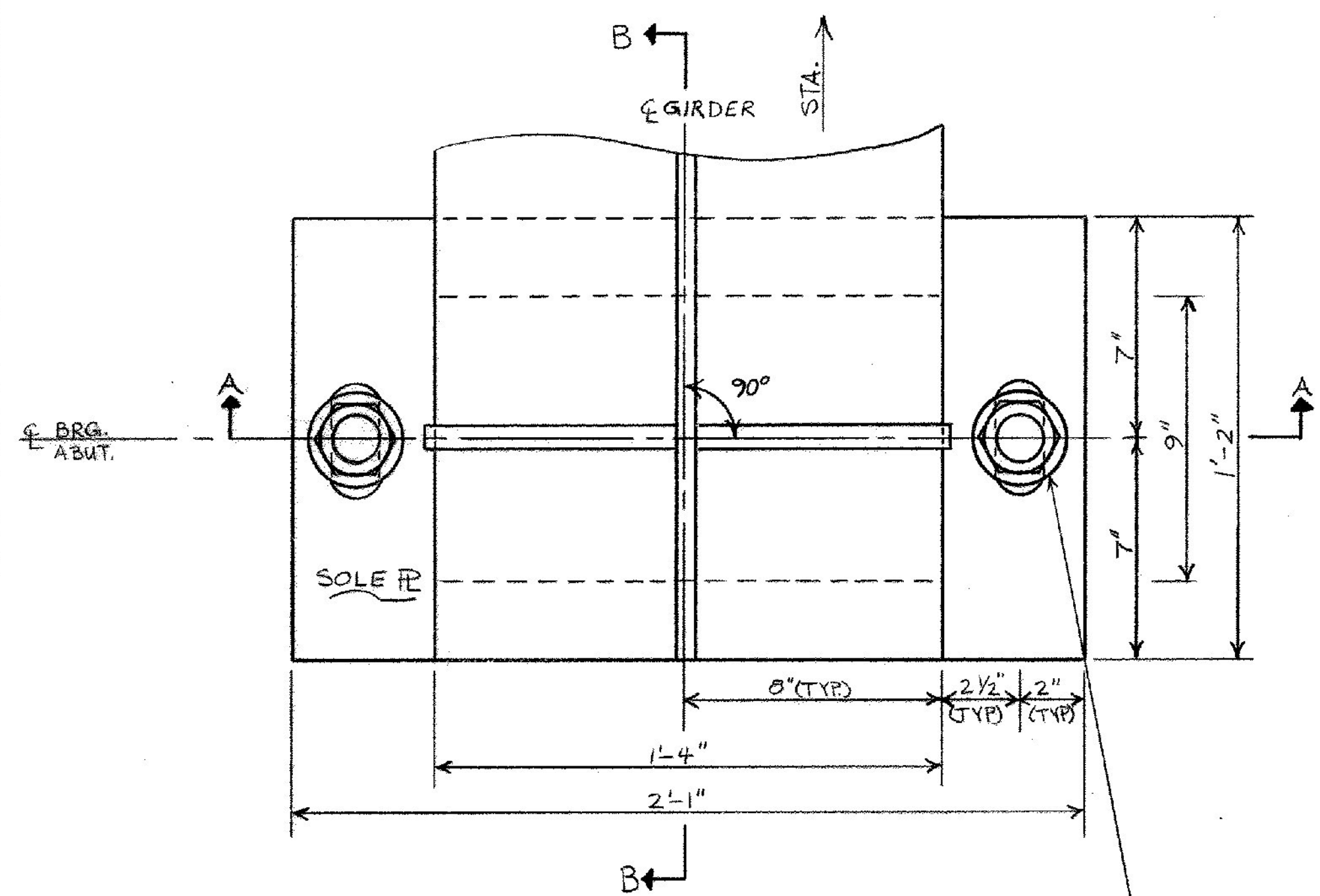
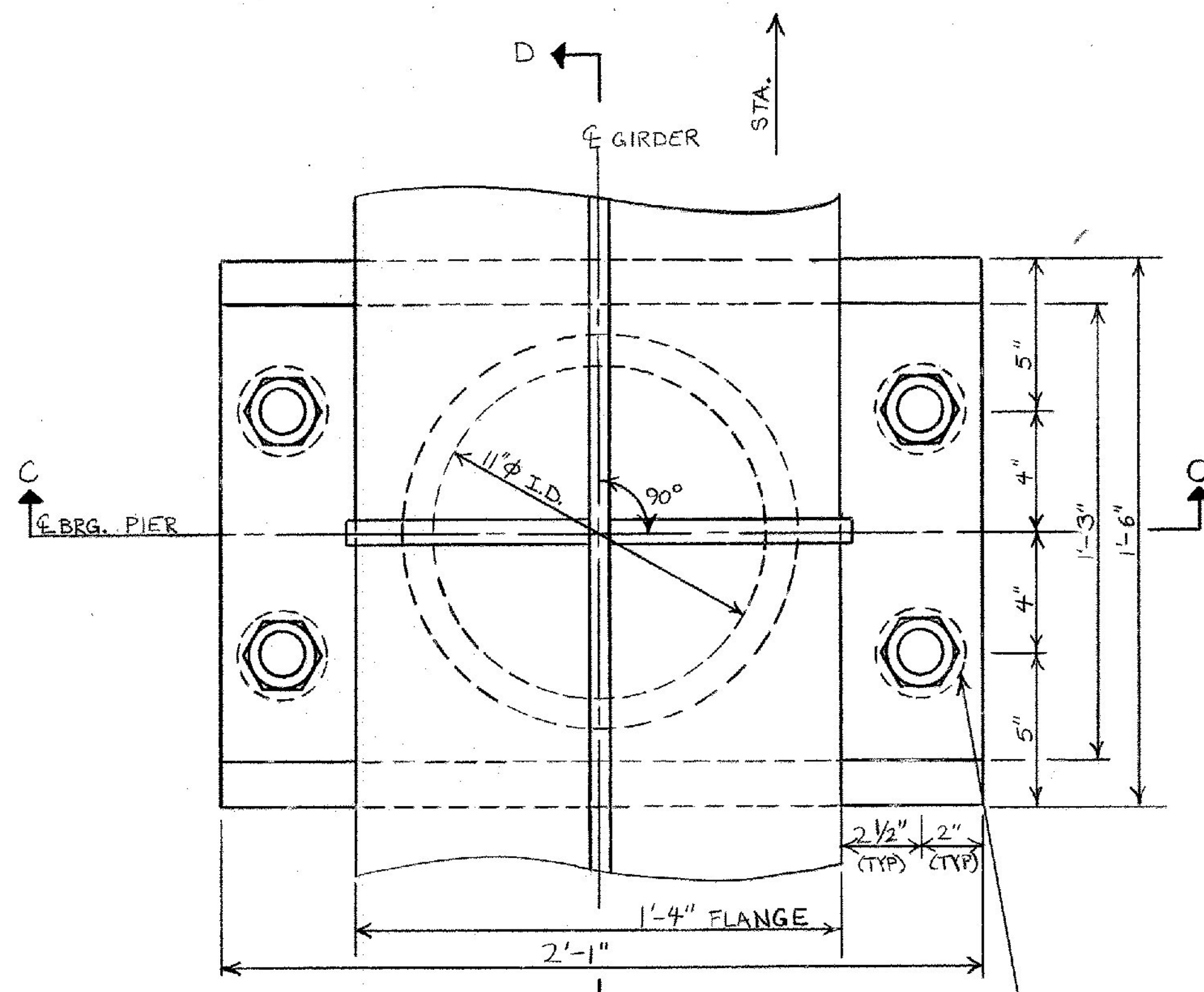


# NOTES

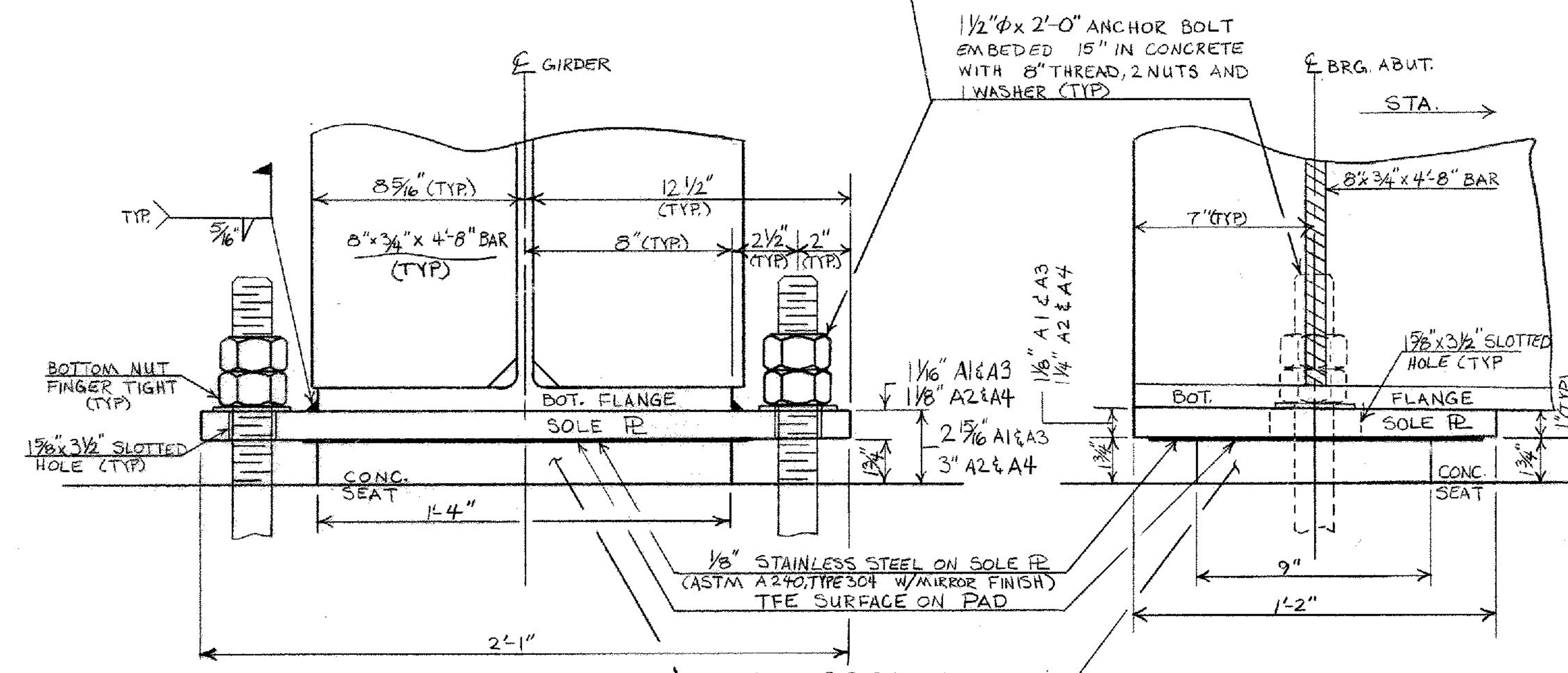
- DESIGN CRITERIA:
  - VERTICAL LOAD (SEE DESIGN LOAD TABLE).
  - TRANSVERSE AND LONGITUDINAL LOADS (SEE DESIGN LOAD TABLE).
  - TFE BEARING SURFACE PRESSURE = 3500 PSI MAX., 300 PSI MIN.
  - BASE PLATE TO CONCRETE BEAM SEAT BEARING PRESSURE = 1,000 PSI MAX.
  - MINIMUM ROTATION CAPACITY = 0.015 RADIAN.
  - HORIZ. CAP. SHALL BE A MINIMUM 10% OF VERTICAL LOAD.
- BEARING BASE PLATE SHALL BE PLACED ON A 1/8" BEARING PAD AS SPECIFIED IN SECTION 731.01 OR SECTION 731.02.
- BEARING DEVICES SHALL BE PAID FOR AT THE UNIT BID PRICE EACH OF ITEM 506.99, "BEARING DEVICE ASSEMBLY".
- UNLESS OTHERWISE SPECIFIED, ALL STEEL IN THE BEARING DEVICE ASSEMBLY SHALL BE ASTM A-36 WITH SURFACE PROTECTION AS SPECIFIED IN SECTION 731.06.
- THE CONTRACTOR WILL CERTIFY THAT THE BEARING DEVICE ASSEMBLY WILL MEET THE DESIGN CRITERIA STATED IN NOTE # 1 ABOVE.
- ALTERNATIVE BEARING ASSEMBLY CONFIGURATIONS MEETING AASHTO SPECIFICATIONS MAY BE SUBMITTED FOR APPROVAL PROVIDED THE DESIGN CRITERIA ARE SATISFIED AND THE ANCHOR BOLT SYSTEM AND PLACEMENT IS MAINTAINED.



**TYPICAL ABUTMENT PLAN**  
SCALE 3"=1'-0"

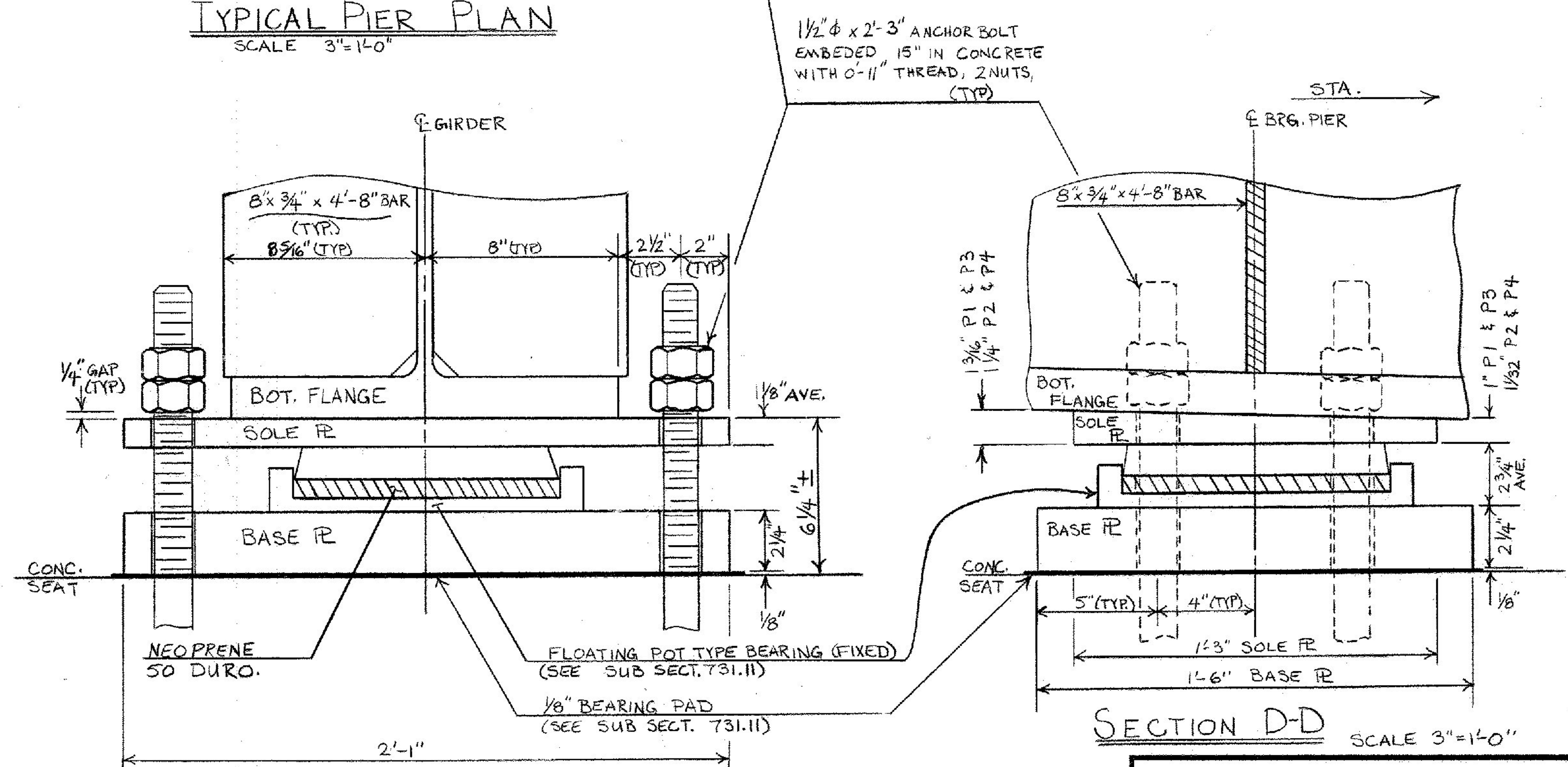


**TYPICAL PIER PLAN**  
SCALE 3"=1'-0"



**SECTION A-A**  
SCALE 3"=1'-0"

**SECTION B-B**  
SCALE 3"=1'-0"



**SECTION C-C**  
SCALE 3"=1'-0"

**SECTION D-D**  
SCALE 3"=1'-0"

## FIXED BEARINGS - PIERS

DESIGN LOADS			
LOCATION	BEARING	*LONG.	*TRANS.
PIER #1	325.0 <sup>K</sup>	25.0 <sup>K</sup>	7.0 <sup>K</sup>
PIER #2	325.0 <sup>K</sup>	25.0 <sup>K</sup>	7.0 <sup>K</sup>

\* CALCULATED HORIZONTAL FORCES - SEE NOTE 1 F ABOVE FOR MINIMUM HORIZONTAL CAPACITY.

## STATE OF VERMONT AGENCY OF TRANSPORTATION

TOWN OF	RUTLAND	Bridge No.	6
HIGHWAY NO.	U.S. 4	Log Sta.	
		Surv. Sta.	945+00
BEARING DEVICE DETAILS			
US.4 BR 6 OVER OTTER CREEK			
Designed by	A. ELWOOD	Drawn by	S. JUNG
Checked by	A. Elwood date 8-83	Bridge Design Supervisor	R.S. HAUPT date
PROJECT	WEST RUTLAND - RUTLAND	PROJECT NO.	FO20-1 (10)
Bridge Sheet No.	BR 614	Sheet	132 of 459