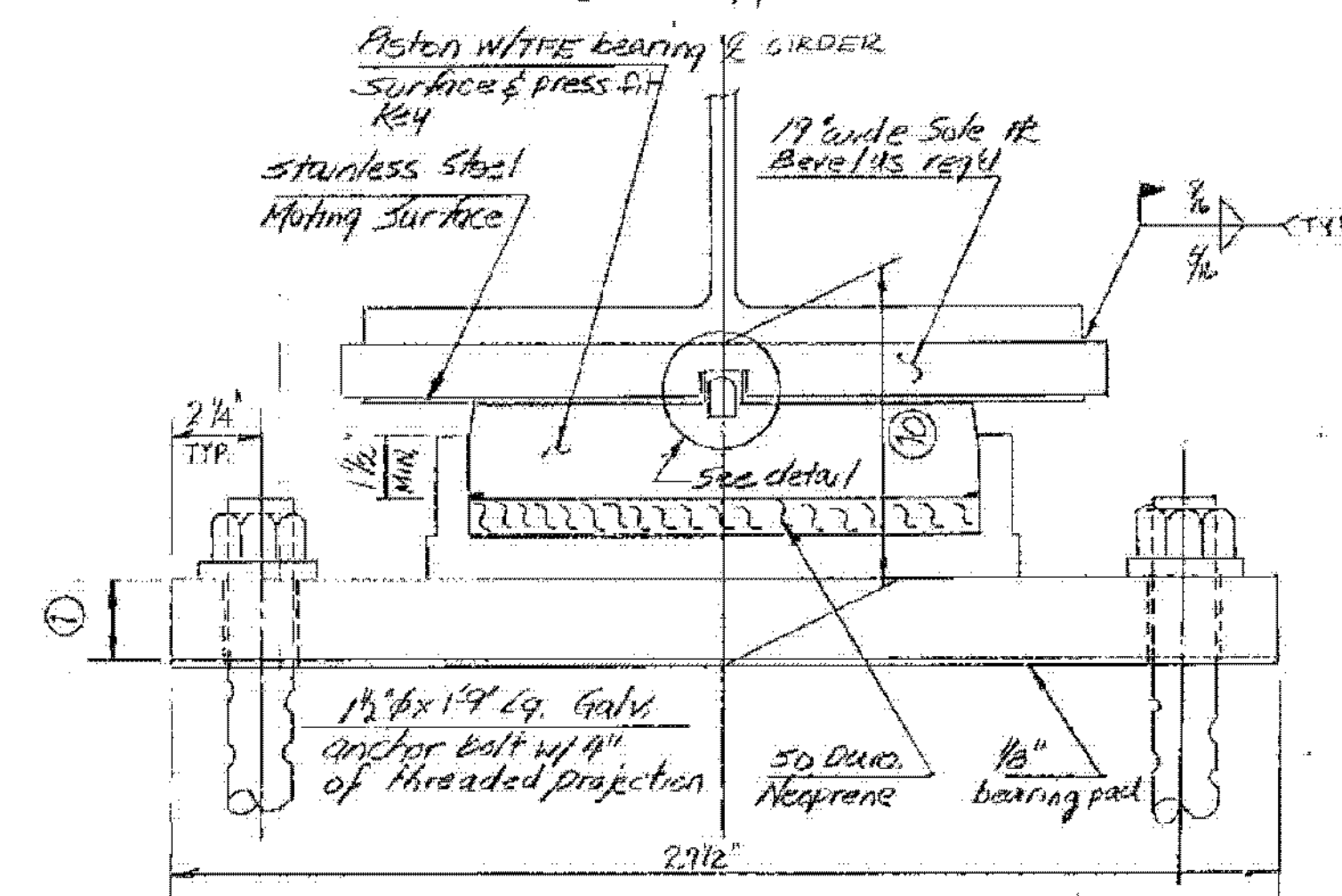
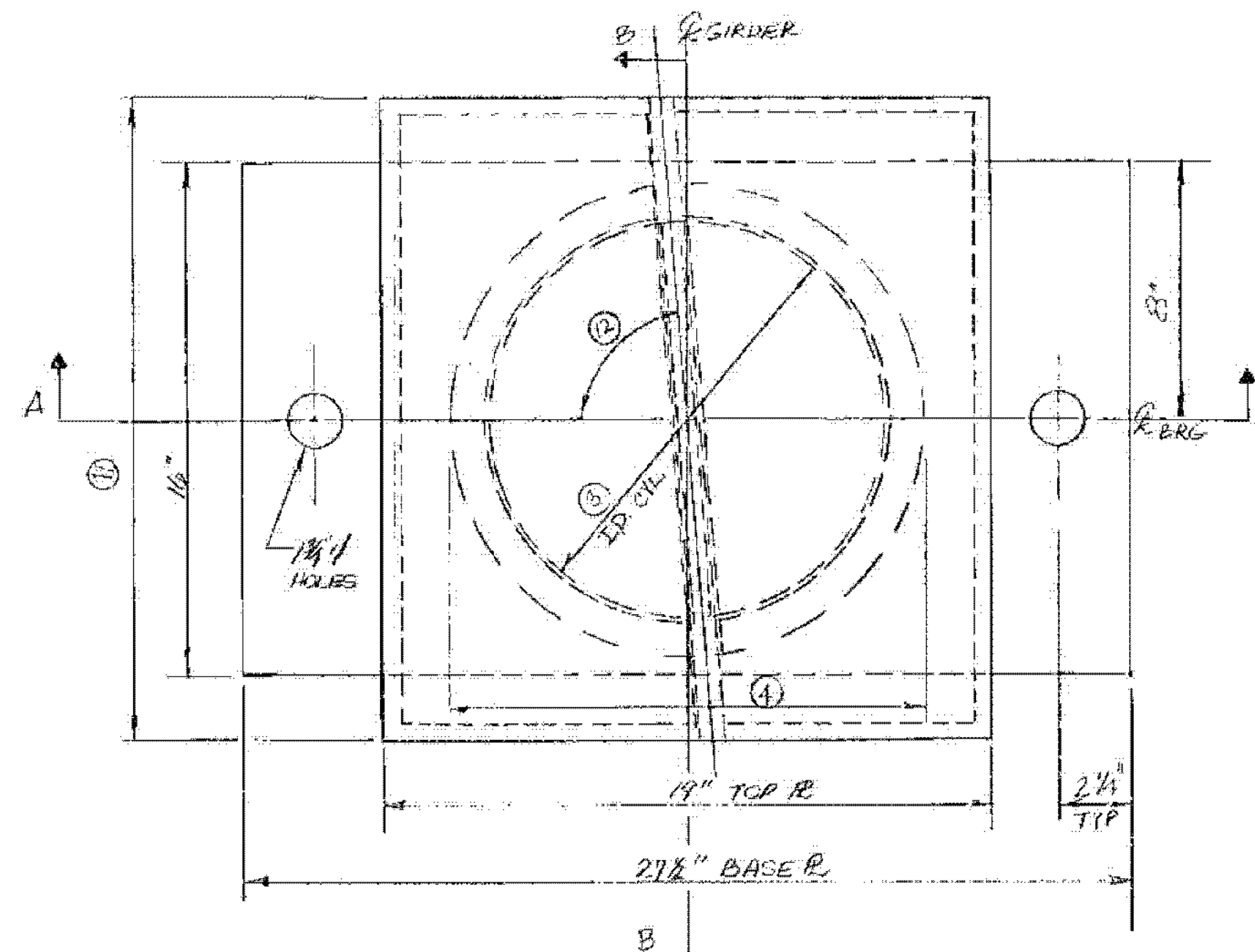
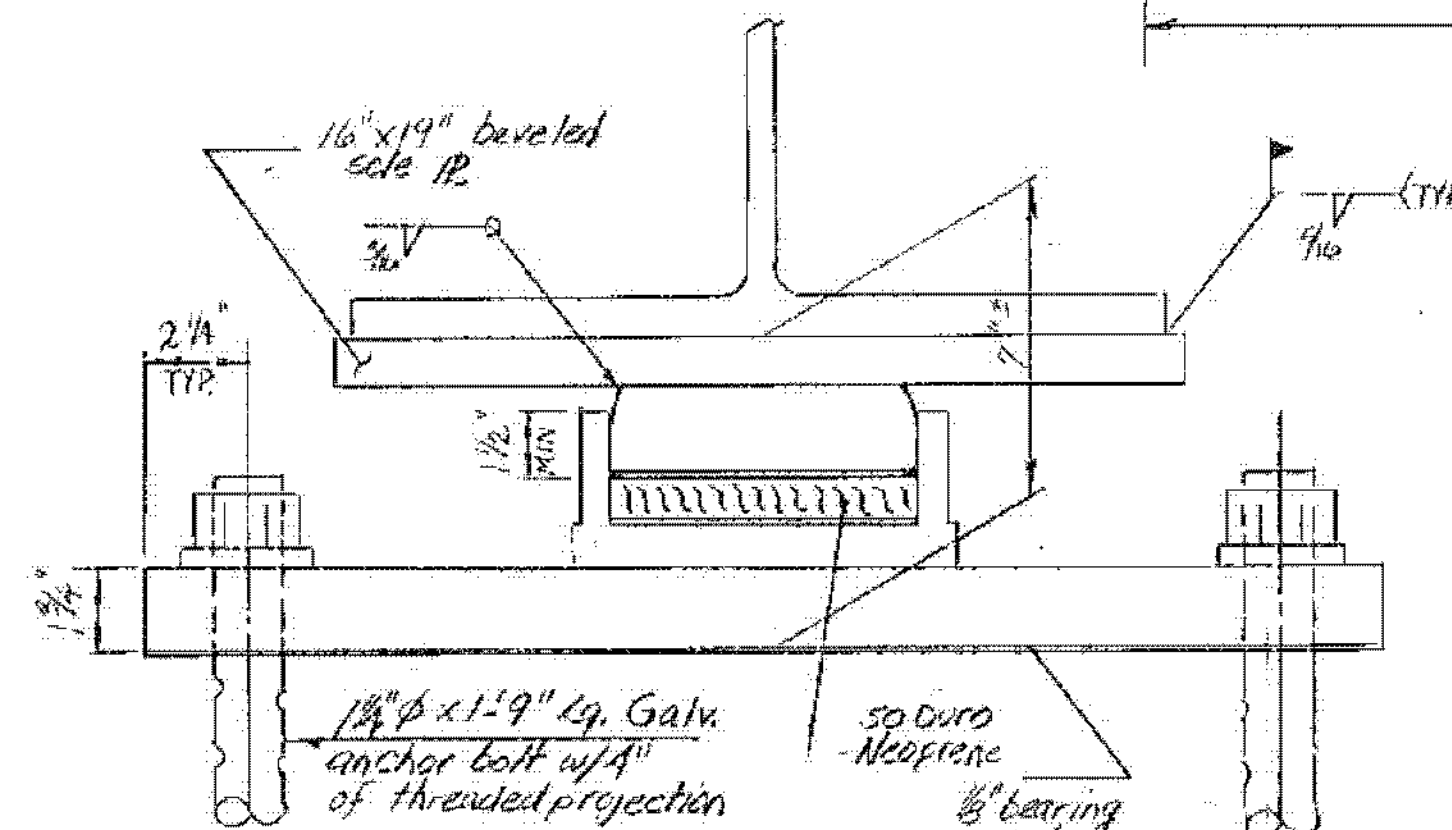
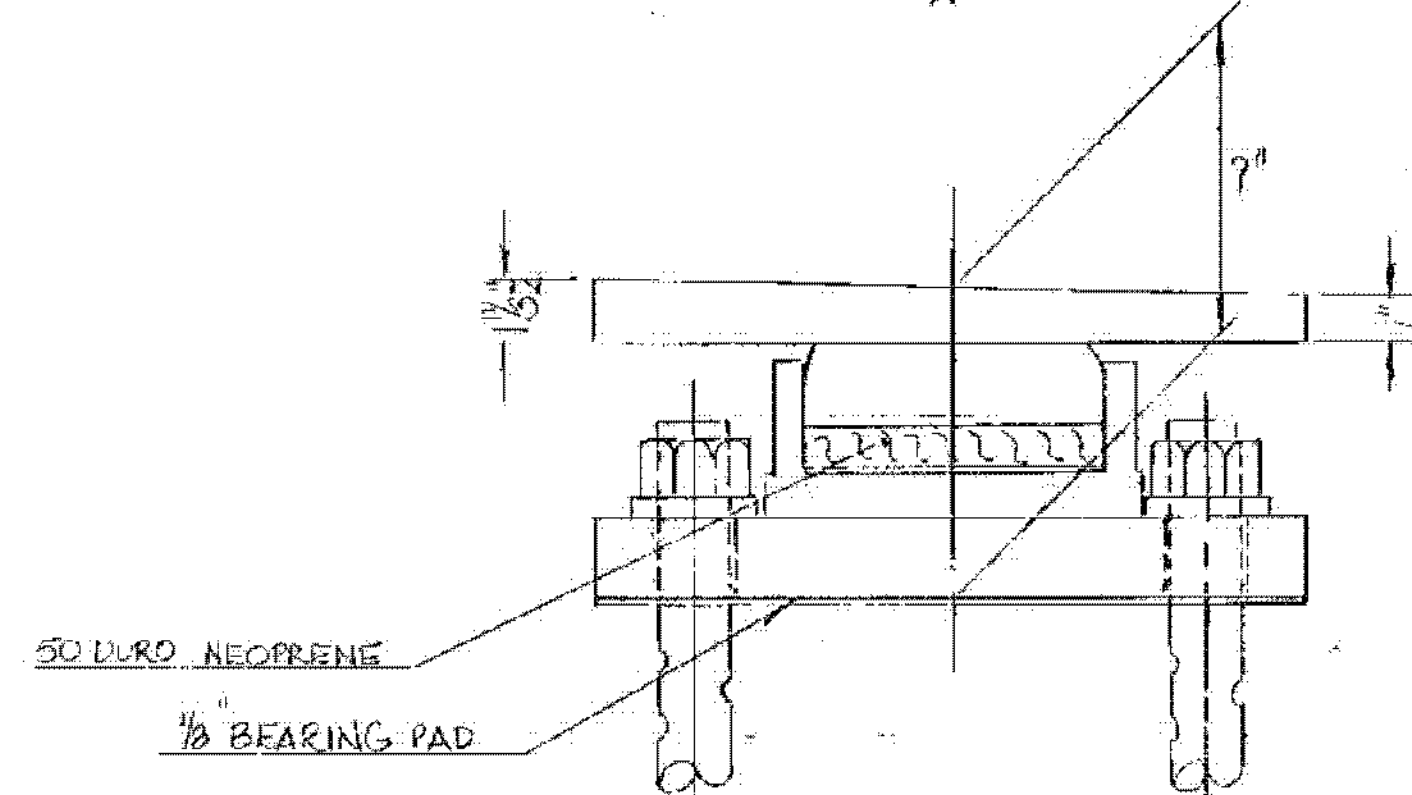
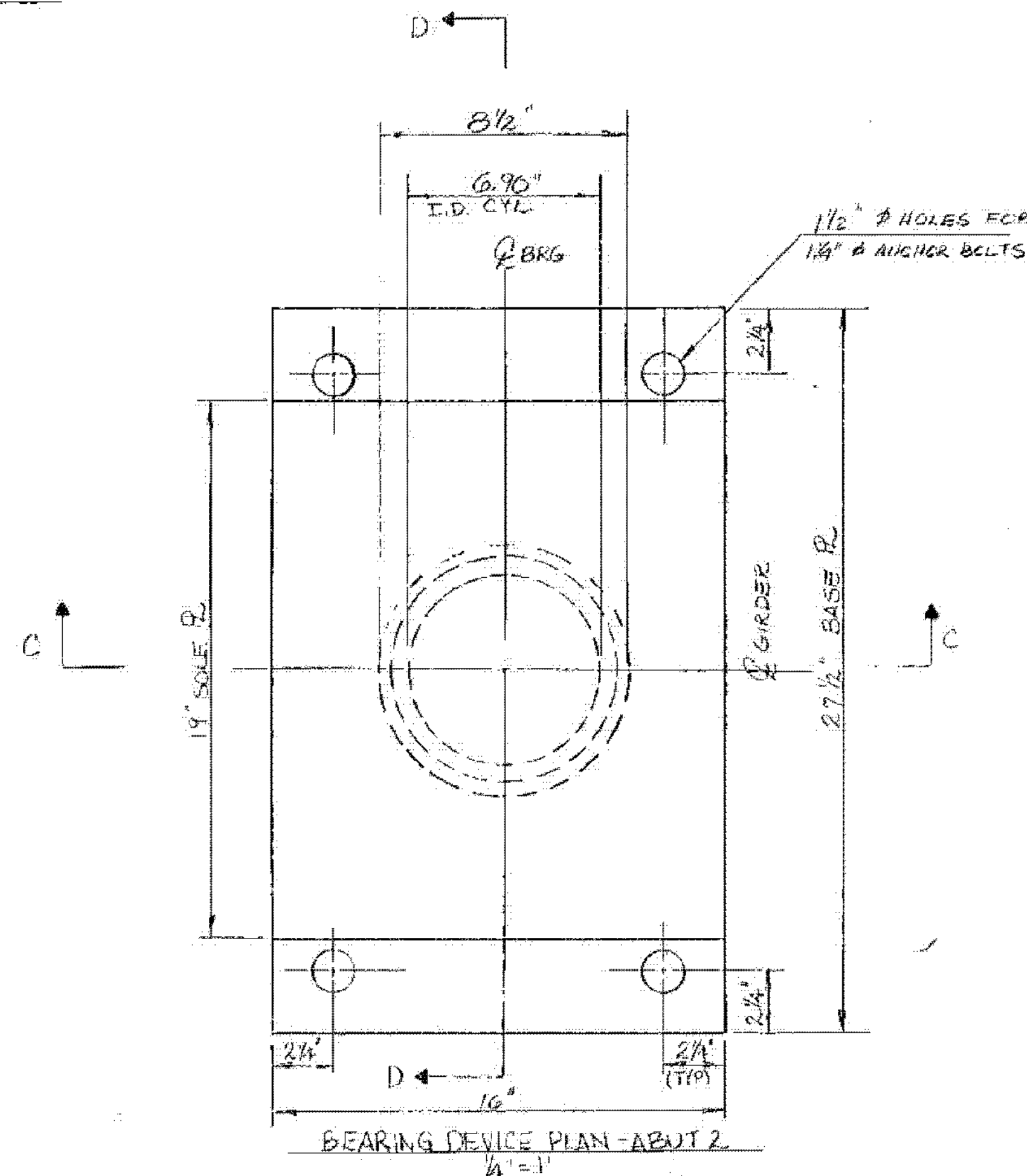


DESIGN LOADS		
	Vert. Load	Lat. Load
Abut 1	140 ^k	15 ^k
Pier 1	310 ^k	32 ^k
Pier 2	280 ^k	33 ^k
Pier 3	240 ^k	25 ^k
Abut 2	100 ^k	8 ^k

Location	TEMPERATURE						
	0°	15°	45°	60°	75°	90°	105°
Abut 1	-1"	-1/2"	0	+1/2"	+1"	+1 1/2"	+2"
Pier 1	-3/4"	-3/8"	0	+3/8"	+3/4"	+1 1/8"	+1 1/2"
Pier 2	-1/16"	-7/32"	0	+1/32"	+7/16"	+2 1/32"	+7/8"
Pier 3	-1/8"	1/16"	0	+1/16"	+1/8"	+3/16"	+1/4"

OFFSET FROM E BEARING TO E SOLE IR.
(-) TOWARD ABUTMENT 2
(+) AWAY FROM ABUTMENT 2

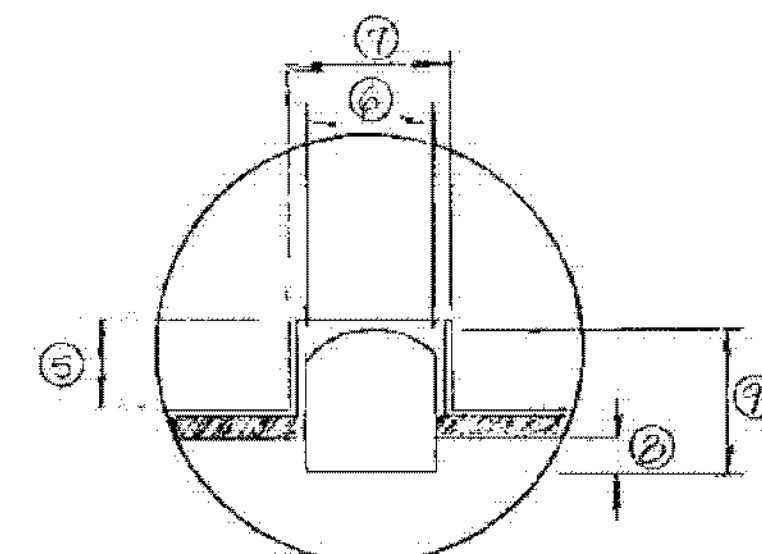
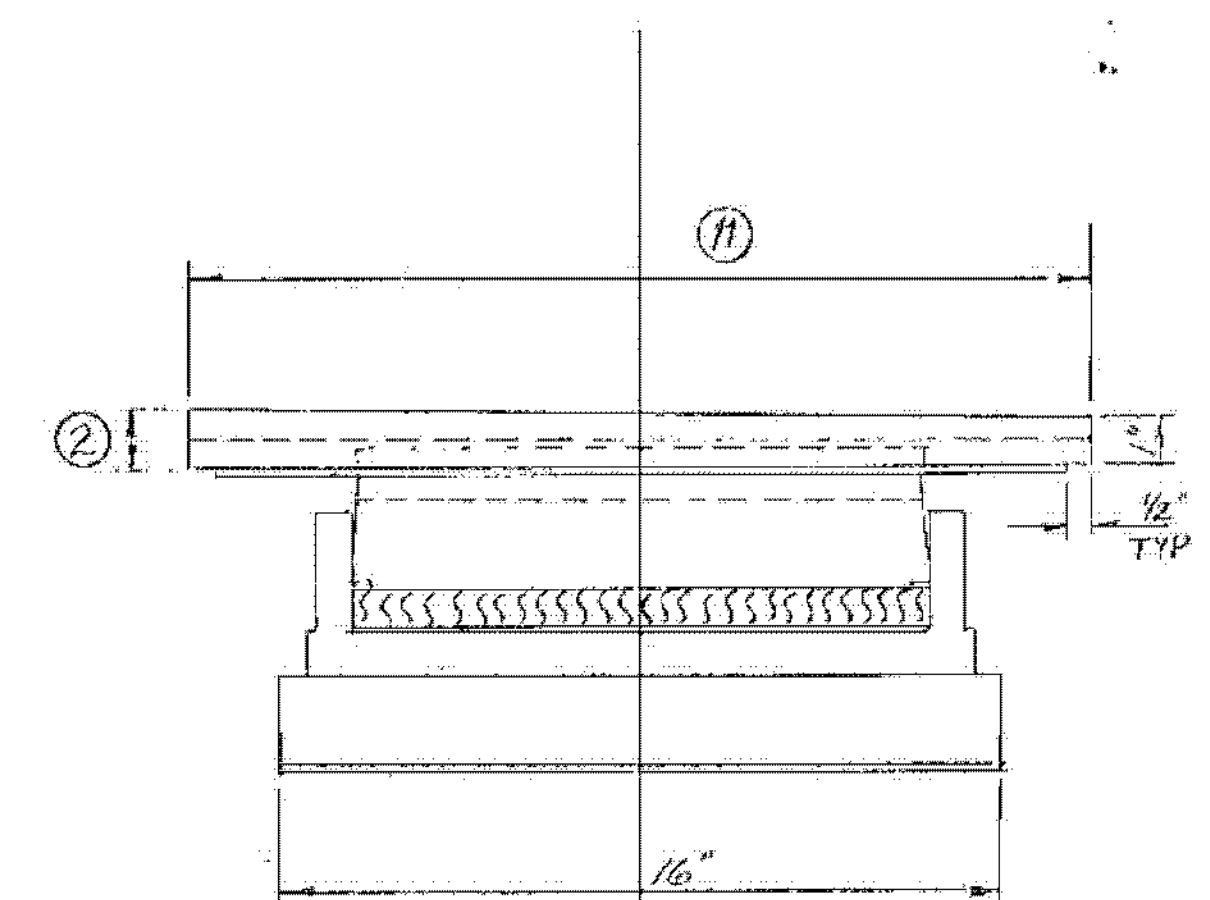


SECTION A-A
SCALE: 1/4"=1"

GENERAL NOTES

- DESIGN CRITERIA
A. VERTICAL LOAD (SEE DESIGN LOADS)
B. TRANSVERSE LOAD (SEE DESIGN LOADS)
C. THE BEARING SURFACE PRESSURE - 3500 MAXIMUM, 800 PSI MINIMUM
D. BASE R. TO CONCRETE BEAM SEAT BEARING PRESSURE - 1000 PSI MAXIMUM
E. BEARING SURFACE STAINLESS STEEL ASTM A240, TYPE 304 W/RAZED FINISH
F. MINIMUM ROTATION CAPACITY - 0.015 RADIANS
G. BEARING BASE PLATE SHALL BE PLACED ON A 1/2" FABRIC PAD AS SPECIFIED IN SECTION 131.01.
- BEARING DEVICES SHALL BE PAID FOR AT THE UNIT BID PRICE EACH OF ITEM 504.49, BEARING DEVICE ASSEMBLY.
- ALL STEEL IN BEARING DEVICE ASSEMBLY SHALL BE ASTM A36 GALVANIZED IN ACCORDANCE WITH ASTM A123.
- THE CONTRACTOR WILL CERTIFY THAT THE BEARING DEVICE ASSEMBLY WILL MEET THE DESIGN CRITERIA STATED IN 1 ABOVE.
- ALTERNATE BEARING ASSEMBLY CONFIGURATIONS MEETING AASHTO SPECIFICATIONS MAY BE SUBMITTED FOR APPROVAL PROVIDED DESIGN CRITERIA ARE SATISFIED AND THE ANCHOR BOLT SYSTEM AND PLACEMENT IS MAINTAINED.
- ALTERNATE BEARING DEVICE HAS BEEN APPROVED. SEE MANUFACTURERS DRAWING FOR DETAILS. THIS DRAWING IS "FOR REFERENCE ONLY."

REV.	DESCRIPTION	DATE	APP.
1	ADDED NOTE 7.	11/19/80	DB



I-91 BRIDGES 81B
WATERFORD - ST. JOHNSBURY
IM MEMB(32)
SHEET 34 OF 43
FOR REFERENCE ONLY

	ABUT 1	PIER 1	PIER 2	PIER 3
1	2"	2"	2"	2"
2	1"	1"	1 1/4"	1 1/2"
3	8.35"	12.25"	12.25"	11.43"
4	10 1/8"	14 3/4"	14 3/4"	13 3/8"
5	0.41"	0.56"	0.56"	0.44"
6	1/2"	1/2"	1/2"	1/2"
7	0.81"	0.81"	0.37"	0.27"
8	0.27"	0.31"	1"	3/4"
9	3/4"	1"	1 3/4"	7 5/8"
10	7 3/8"	7 3/8"	20"	16"
11	20"	20"	20"	20"
12	77°42'	82°30'	85°30'	88°30'

STATE OF VERMONT AGENCY OF TRANSPORTATION

TOWN OF	WATERFORD	Bridge No.	1/3
HIGHWAY NO.	I 93	Log Sta.	
		Surv. Sta.	RAMP W/LOS, 11/10
BEARING DEVICE ASSEMBLY			
RAMP W/LOS OVER I 91 N.B. & S.B. RAMP 5 to E.			
Designed by	A. ELWOOD	Drawn by	M. HEALD
Checked by	D. BURLY	Bridge Design Supervisor	
	date 7/16/80	R.S. WADSWORTH	date 7/20
PROJECT	CONTRACT 3 WATERFORD	PROJECT NO.	I 93-1(3)
Bridge Sheet No.	BR 1816	Sheet	175 of 350