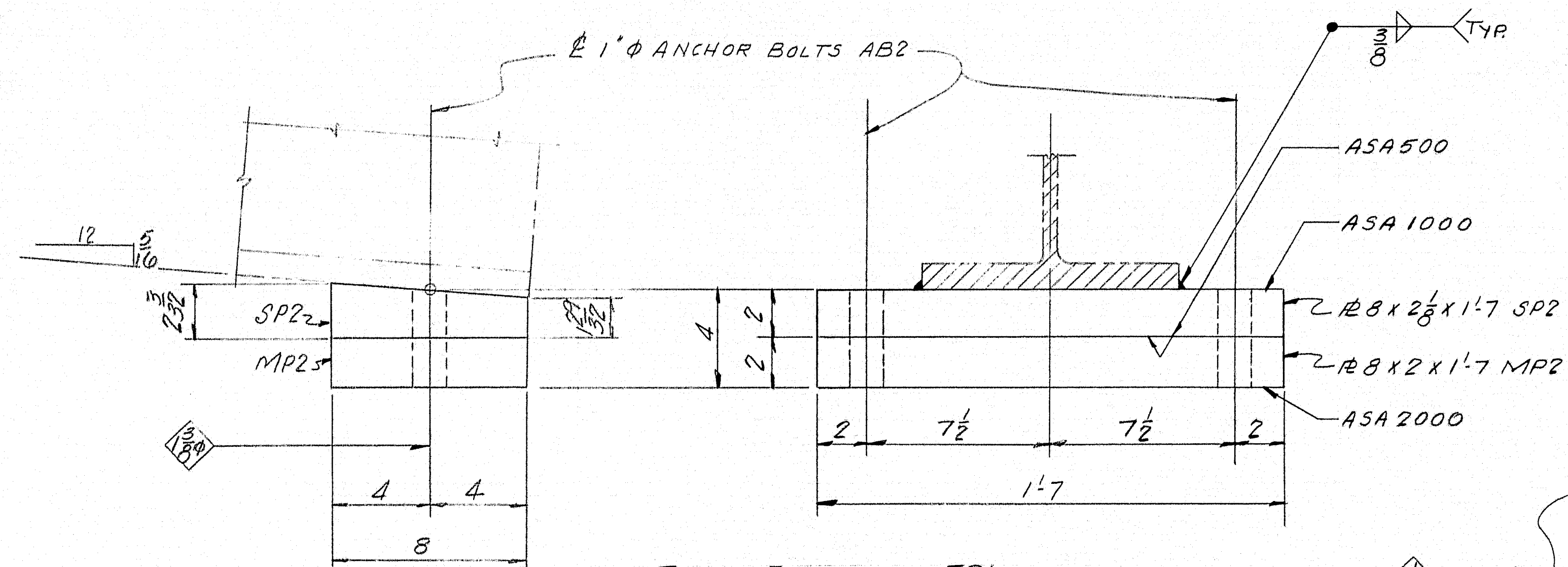
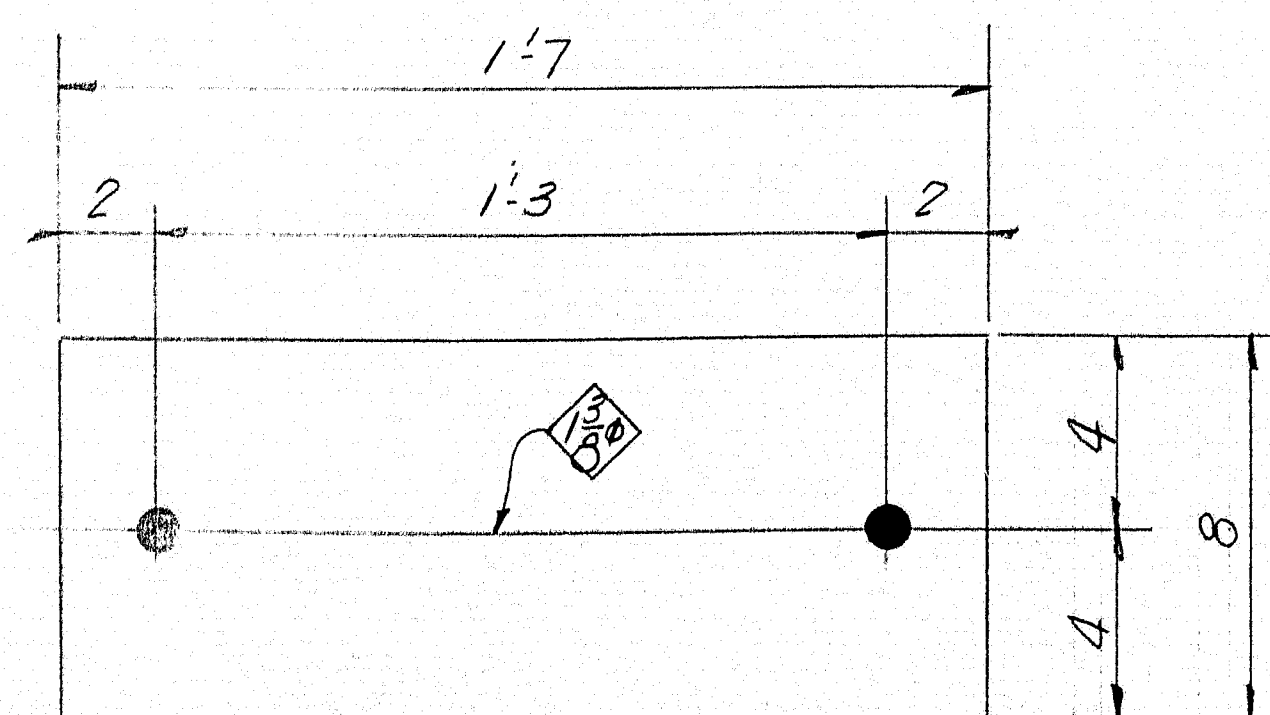


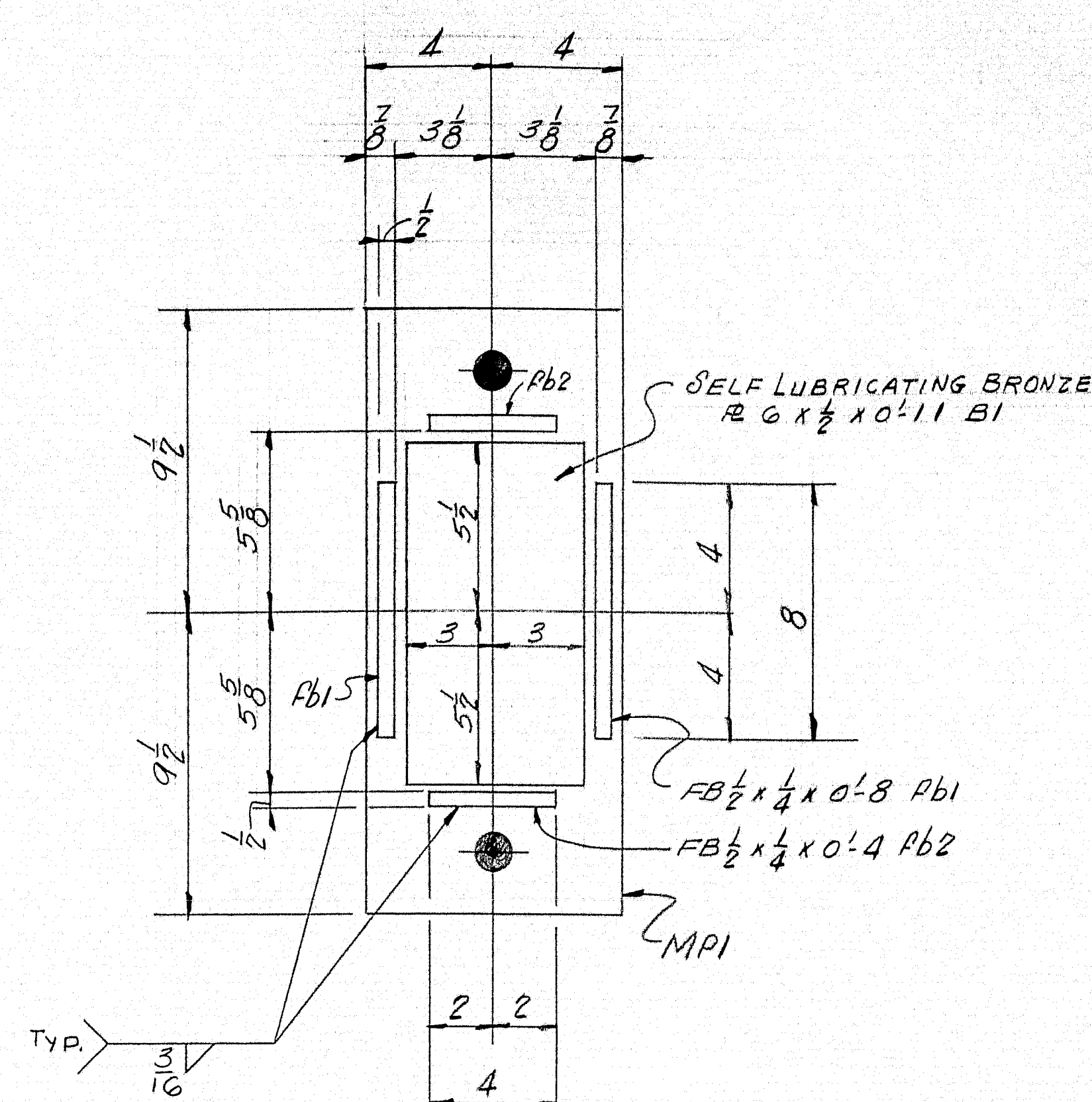
EXPANSION PEDESTAL EPA
10 REQUIRED @ ABUT. #1



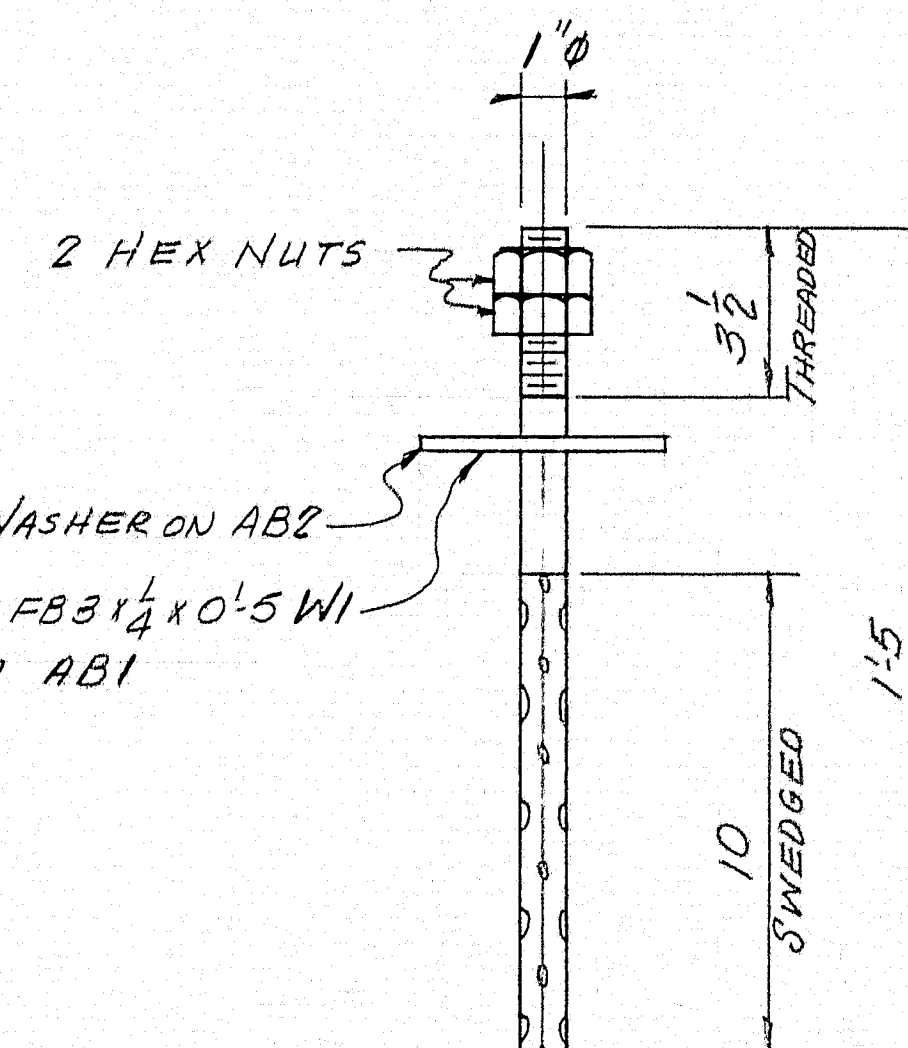
FIXED PEDESTAL ~ FPA
10 REQUIRED @ ABUT. #2



FPI- 20 REP'D.
FABCO SA47
8 x $\frac{1}{8}$ x 1'-7



SECTION 1-1



ANCHOR BOLTS (NO PAINT~OIL THD'S)

ABI ~ 20 REQ'D. @ EPA
AB2 ~ 20 REQ'D. @ EPA

NOTES:

1. NO PAINT ON SELF LUBRICATING BRONZE PLATE.
2. NO PAINT ON AREAS IN CONTACT WITH BRONZE PLATE. COAT WITH MIXTURE OF WHITE LEAD AND TALLOW.
3. NO PAINT ON TOP SURFACE OF SPI & SP2. COAT WITH BOILED LINSEED OIL.

SHIP		BILL OF MATERIAL				DWG. NO. 04-355-51	
MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS	
		EXPANSION PEDESTAL				EPA	(10 REQ'D.)
SP1	10		$\Phi 8 \times 1 \frac{1}{2}$	1	7		
MP1	10		$\Phi 8 \times 1 \frac{1}{2}$	1	7		
AB1	20		1" Φ BAR	1	5		SWEDGED
WI	20		FB3 $\times \frac{1}{4}$	0	5		
BI	10		$\Phi 6 \times 1 \frac{1}{2}$	0	11		} SELF LUBRICATING BRONZE P REQ. #5740
	20	P61	FB $\frac{1}{2} \times \frac{1}{4}$	0	8		
	20	P62	FB $\frac{1}{2} \times \frac{1}{4}$	0	4		
		FIXED PEDESTAL				EPA	(10 REQ'D.)
SP2	10		$\Phi 8 \times 2 \frac{1}{2}$	1	7		
MP2	10		$\Phi 8 \times 2$	1	7		
AB2	20		1" Φ BAR	1	5		SWEDGED
FIELD	20		1" STD Φ WASHER				
NOTE:							
ALLOWANCES TO BE MADE FOR MACHINING							
WHEN CUTTING ABOVE MATERIAL							
30 SHOP 1" HEX NUTS							
EPI	20		$\Phi 8 \times 1 \frac{1}{2}$	1	7		FAB CO. SA47 REQ. NO.
ITEM 702-103							
*ANCHOR BOLT STEEL MAY BE A7, A36 OR A307							
STEEL ASTM A36 * WELD WITH E70 ROD							

SHOP CONNECTIONS: *WELDED*
FIELD CONNECTIONS: *WELDED & BOLTED*
HOLES: *AS NOTED*
PAINT: *RED LEAD AND AS NOTED*
PER M. S. H. C. SPECS.

4 EXPANSION PEDESTALS

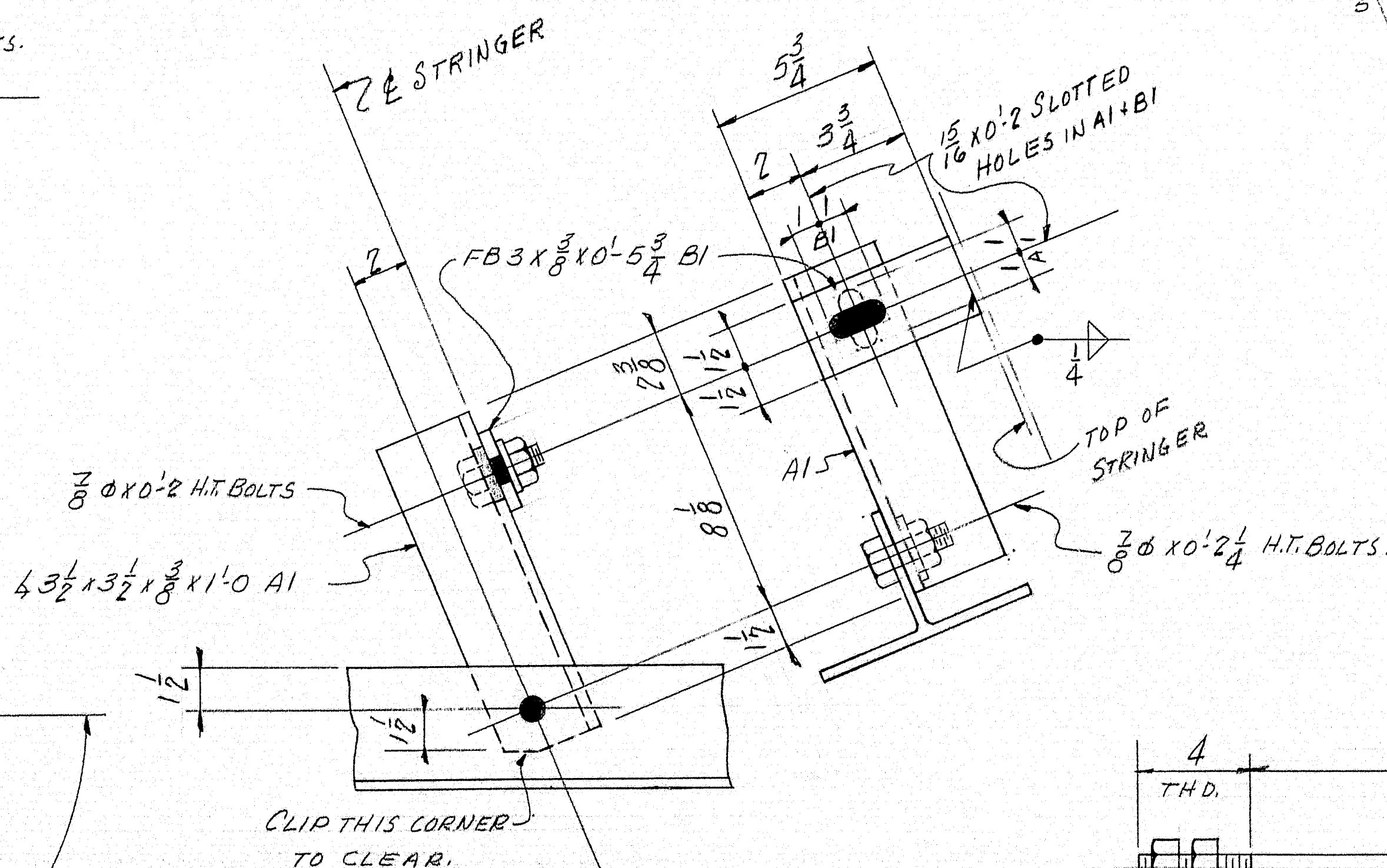
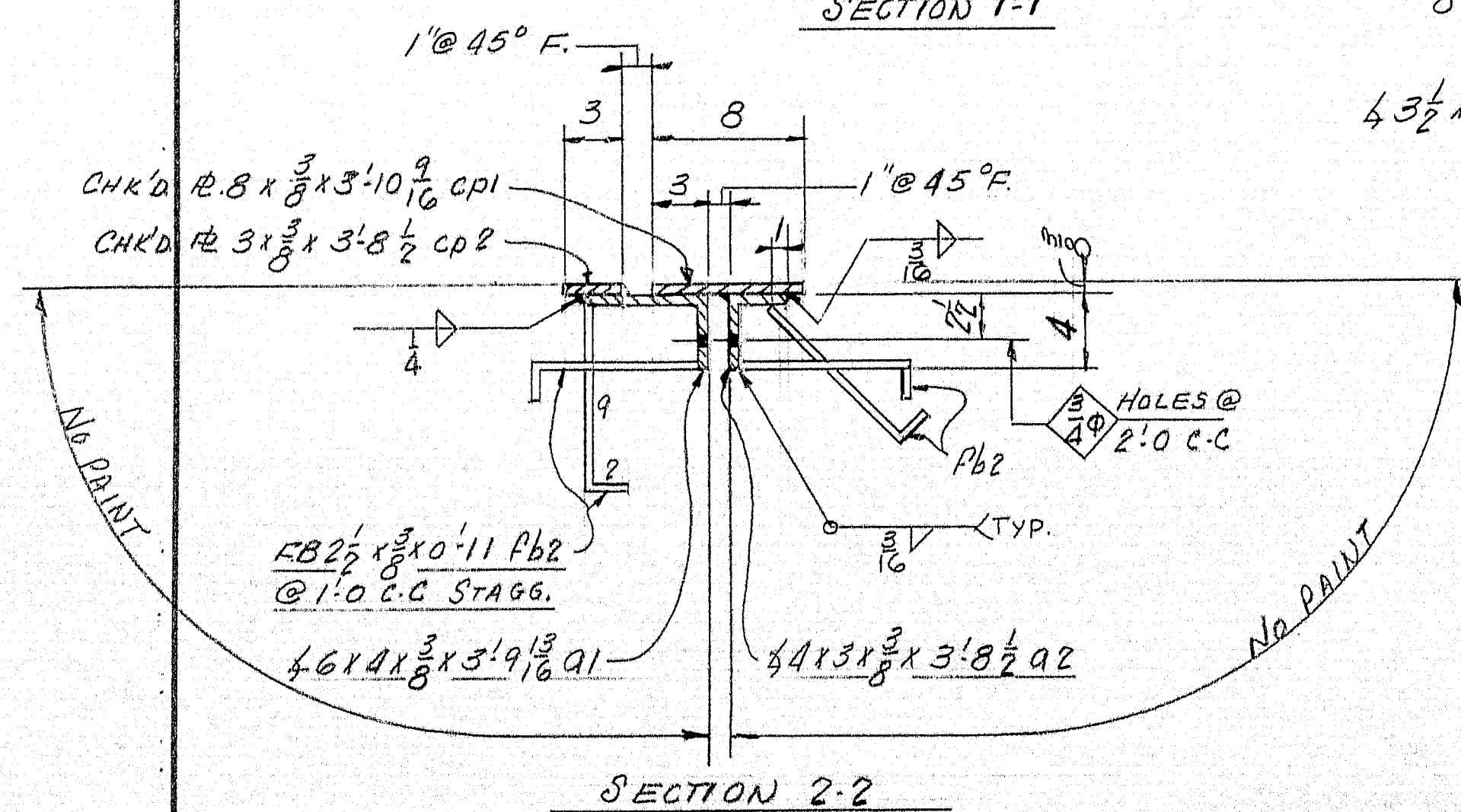
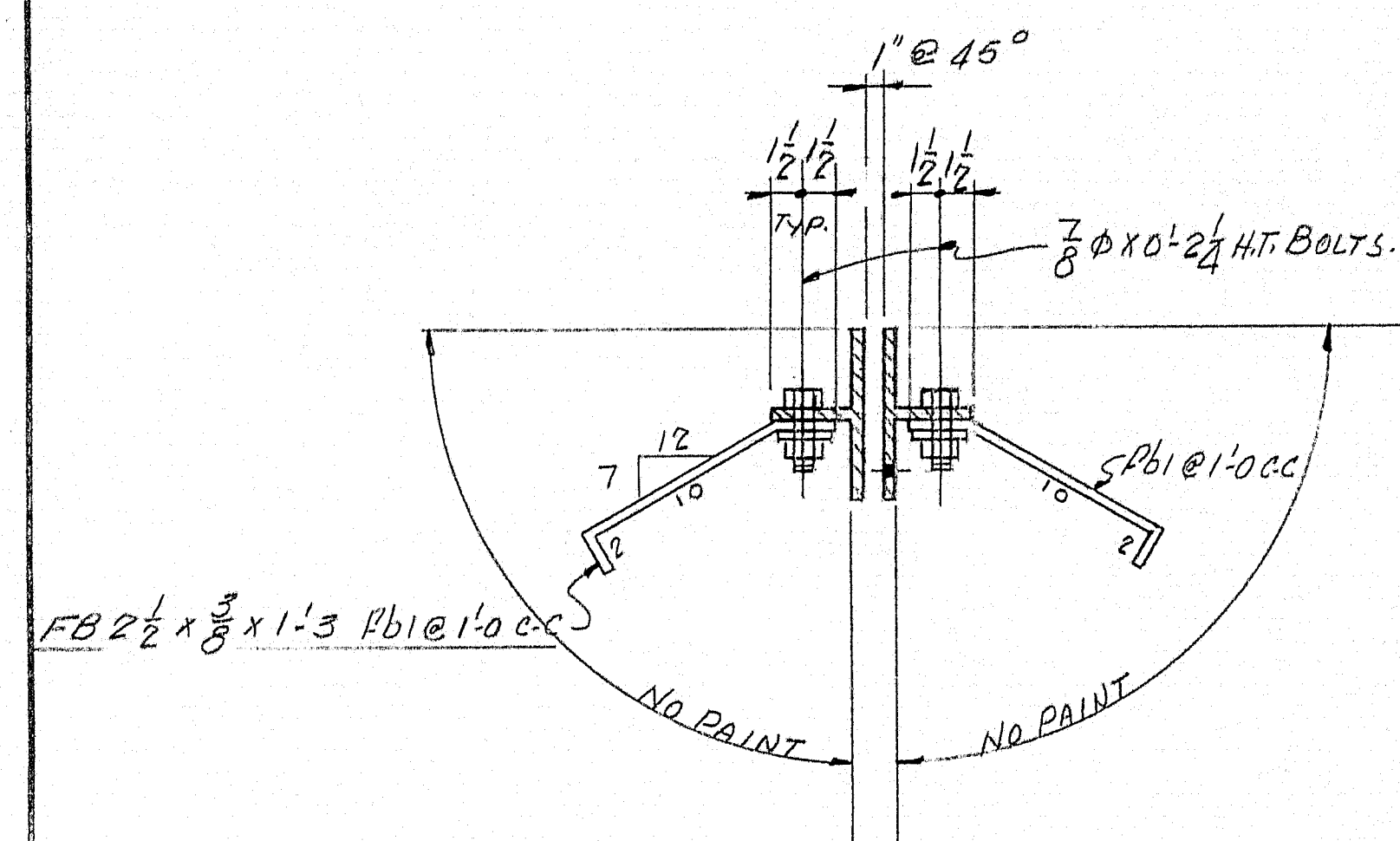
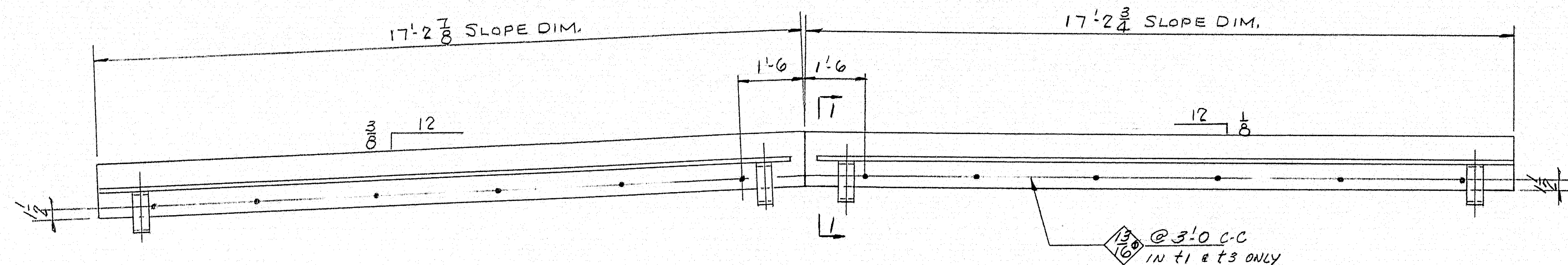
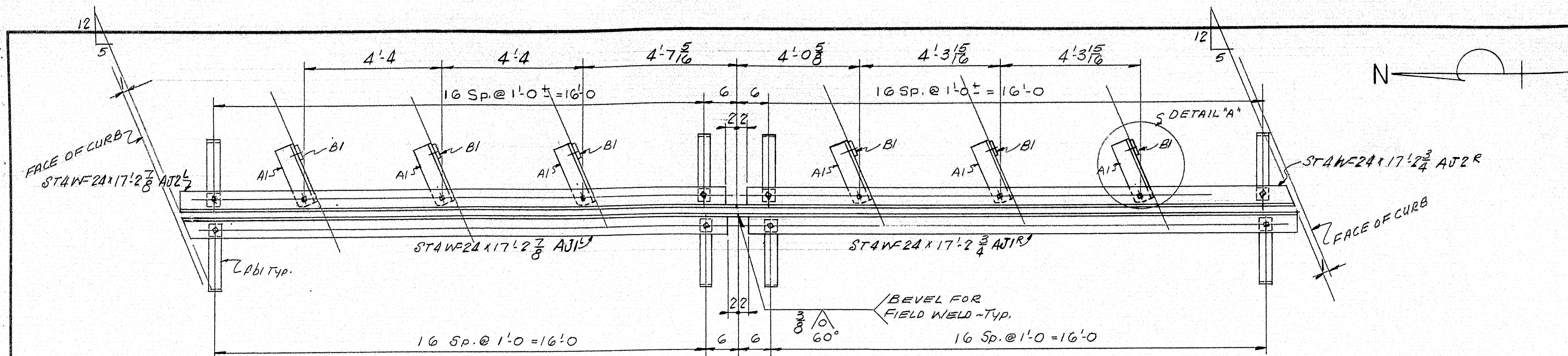
Bancroft & Martin Inc
South Portland 7, Maine

BRIDGE STREET BRIDGE
OVER LIMESTONE STREAM
LIMESTONE, MAINE

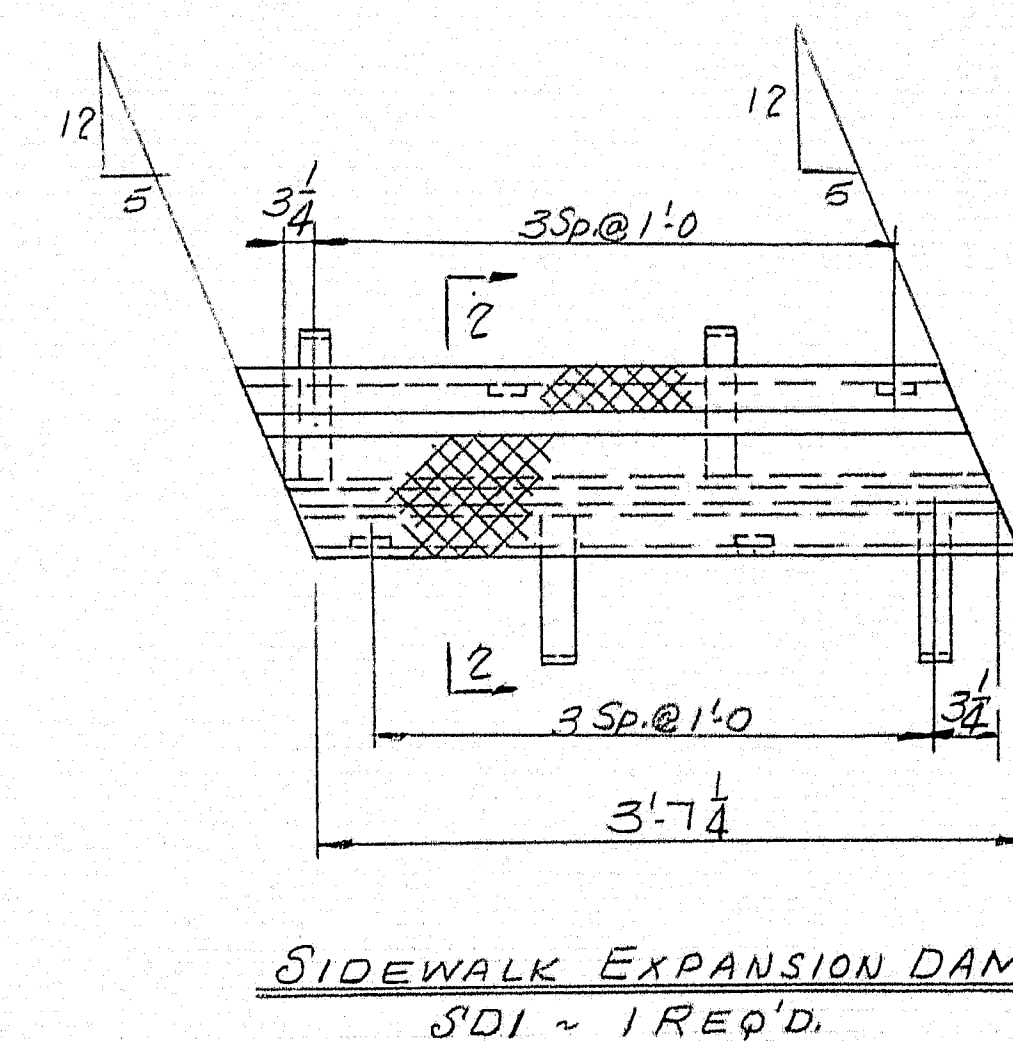
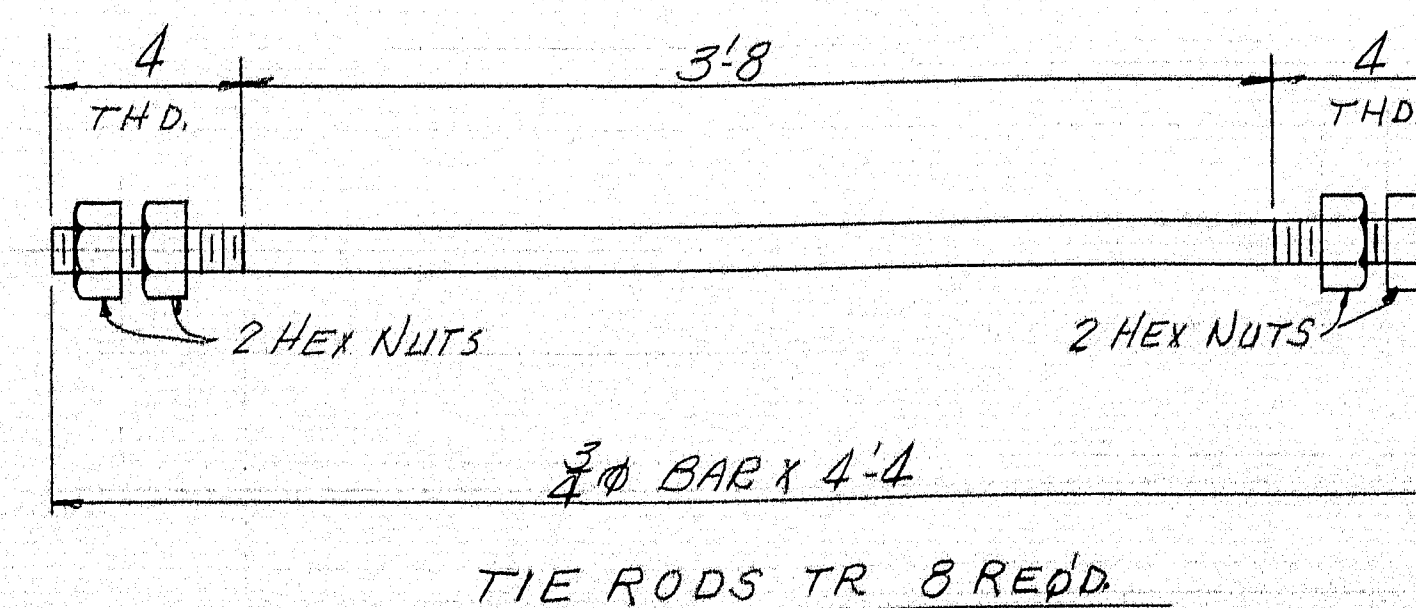
CUSTOMER WAYNE SUSI
DESIGNER M.S.H.C. BRIDGE DIV.

ORDER NO. VERBAL DWG. NO. 64-355-5

DRAWN	9-18-64	RGN
REVISION		
REVISION		
REVISION		



DETAIL "A"
AFTER ARMORED JOINT IS IN ITS
FINAL POSITION, WELD B1 TO A1 WITH 1/4" FILLET.



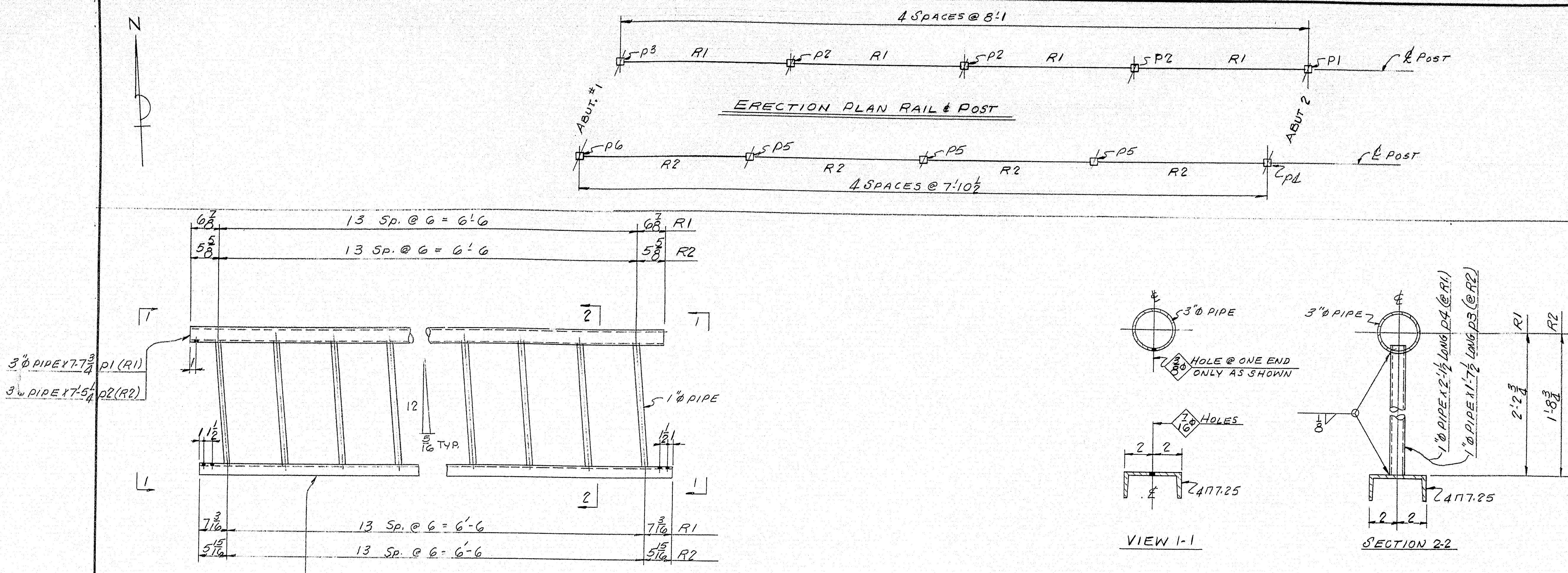
SHIP	MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
AUT1	1			ST4WF24	17'2 3/8		
AUT1R	1			DO	17'2 3/8		
AUT2R	1			DO	17'2 3/8		
AUT2L	1			ST4WF24	17'2 3/8		
SD1	1			SHOP ASSY			
	6	AI		1/2" x 3/4" x 1/2"	1'0"		
	6	BI		1/2" x 3/4" x 1/2"	0'5"		
	28	AI		1/2" x 3/4" x 1/2"	1'3"		
	8	AI		1/2" x 3/4" x 1/2"	0'11"		
	1	AI		1/2" x 3/4" x 1/2"	3'10 3/4"		CHK'D R.
	1	AI		1/2" x 3/4" x 1/2"	3'8 1/2"		CHK'D R.
	6	SHOP		1/2" x 3/4" x 1/2"	0'2"		
	74	SHOP		1/2" x 3/4" x 1/2"	0'2 1/4"		
	80	SHOP		1/2" x 3/4" x 1/2"			
	1	AI		1/2" x 3/4" x 1/2"	3'9 1/8"		
	1	AI		1/2" x 3/4" x 1/2"	3'8 1/2"		
TR	8			1/2" x 3/4" x 1/2"	4'4"		THD 2 ENDS.
	52	SHOP		1/2" x 3/4" x 1/2"			

STEEL ASTM A-36 ITEM 72-109

SHOP CONNECTIONS: BOLTED 3/4" H.T. BOLTS
FIELD CONNECTIONS: WELDED
HOLES: 1/2" AND AS NOTED
PAINT: RED LEAD AND AS NOTED
PER M.S.H.C. SPECS.

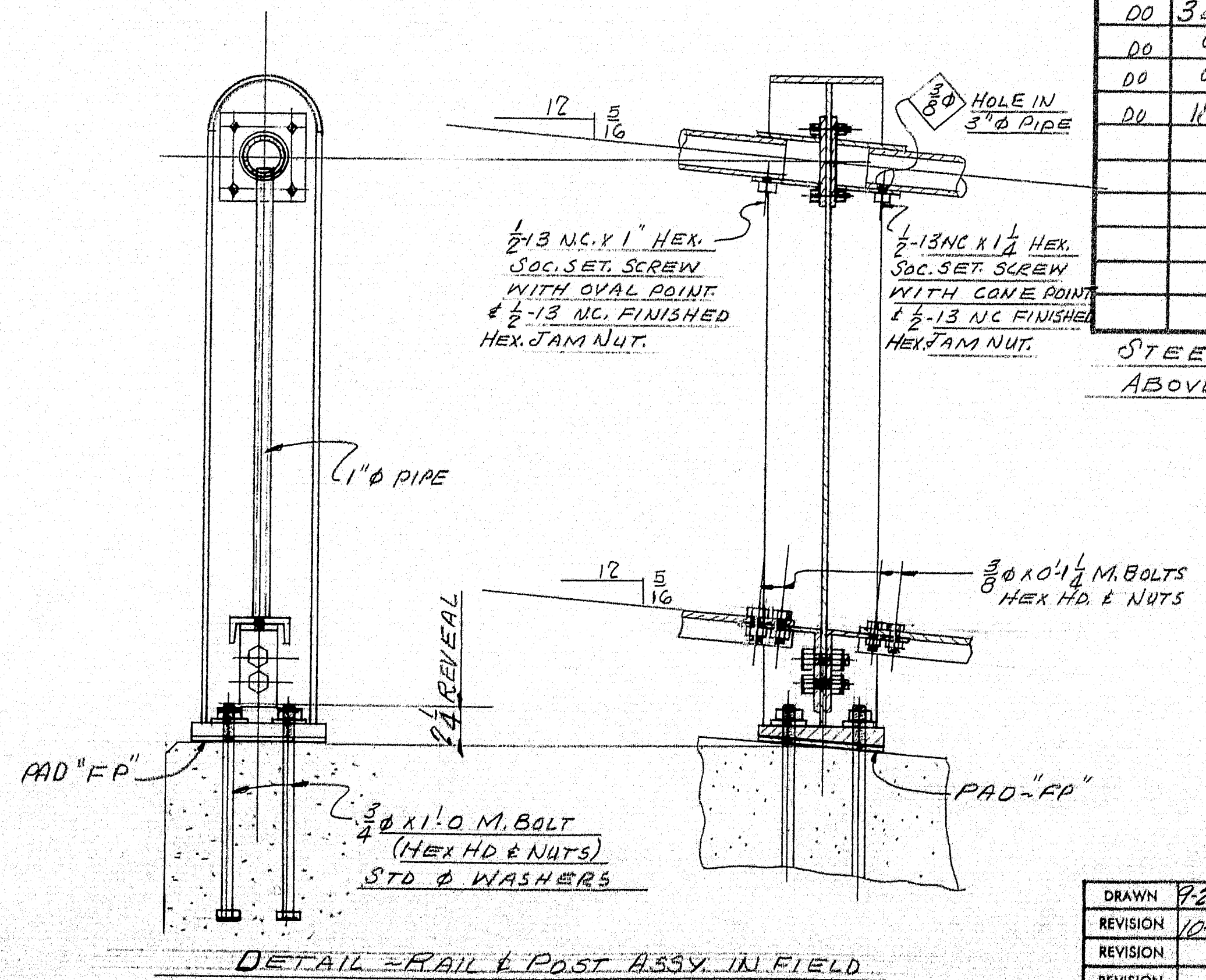
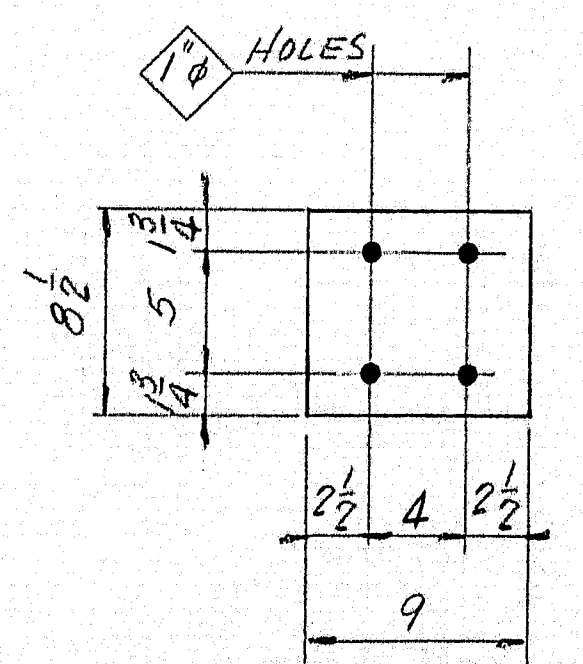
ARMORED JOINT & TIE ROD DETAIL
Bancroft & Martin Inc.
South Portland, Maine
BRIDGE STREET BRIDGE
OVER LIMESTONE STREAM
LIMESTONE, MAINE
CUSTOMER: WAYNE SUSI
DESIGNER: M.S.H.C., BRIDGE DIV.
ORDER NO. VERBAL DWG. NO. 64-355-52

90-170

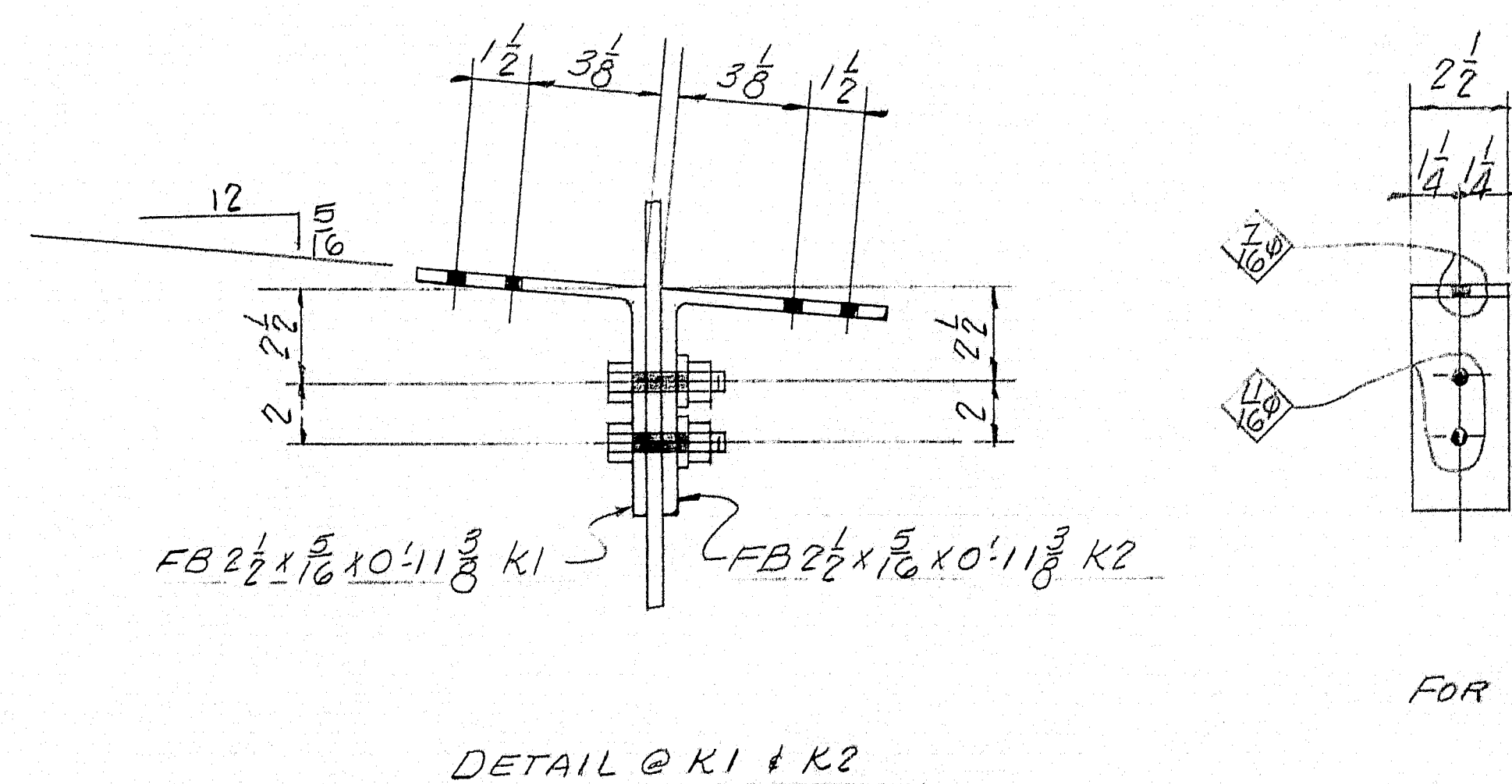
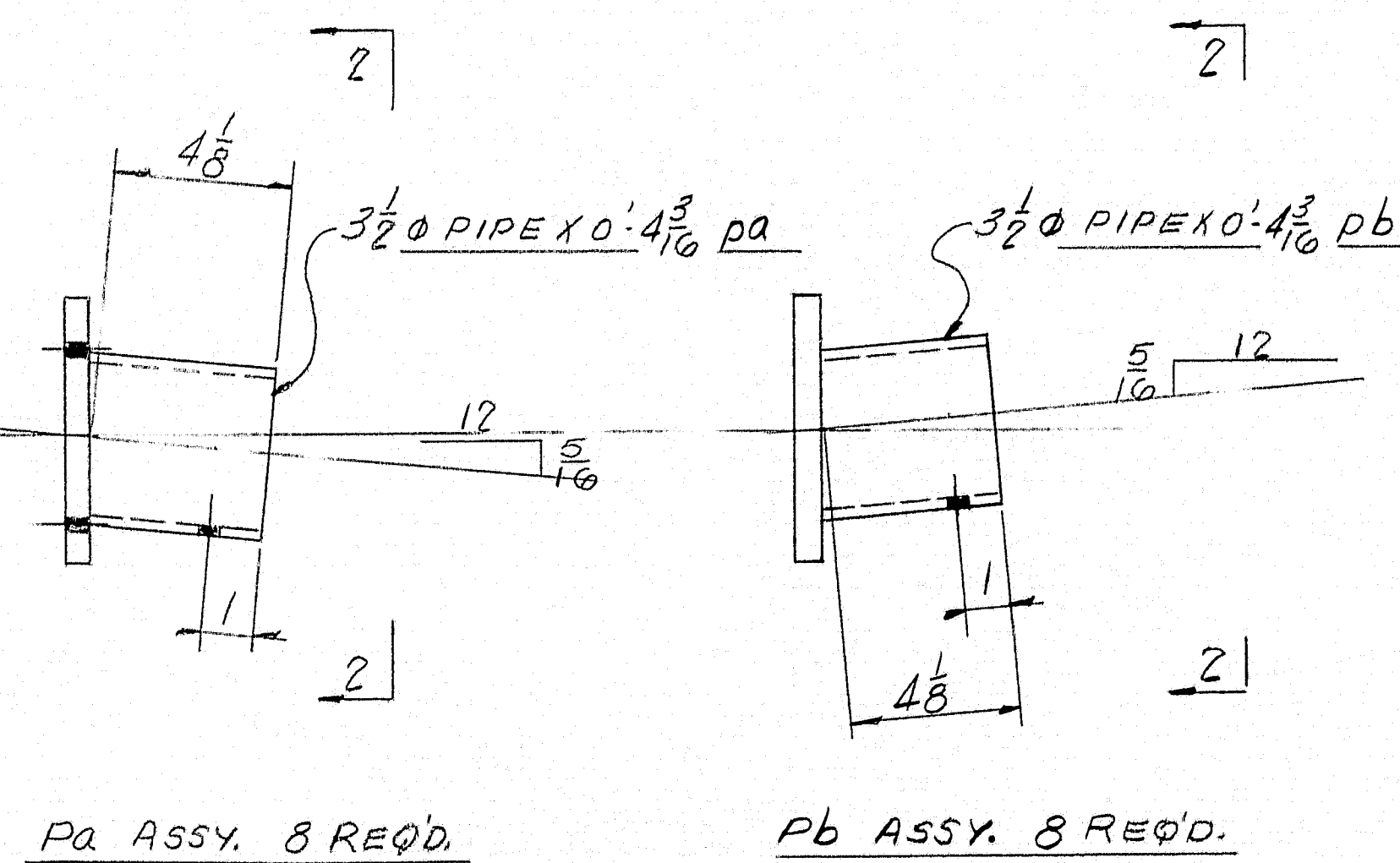
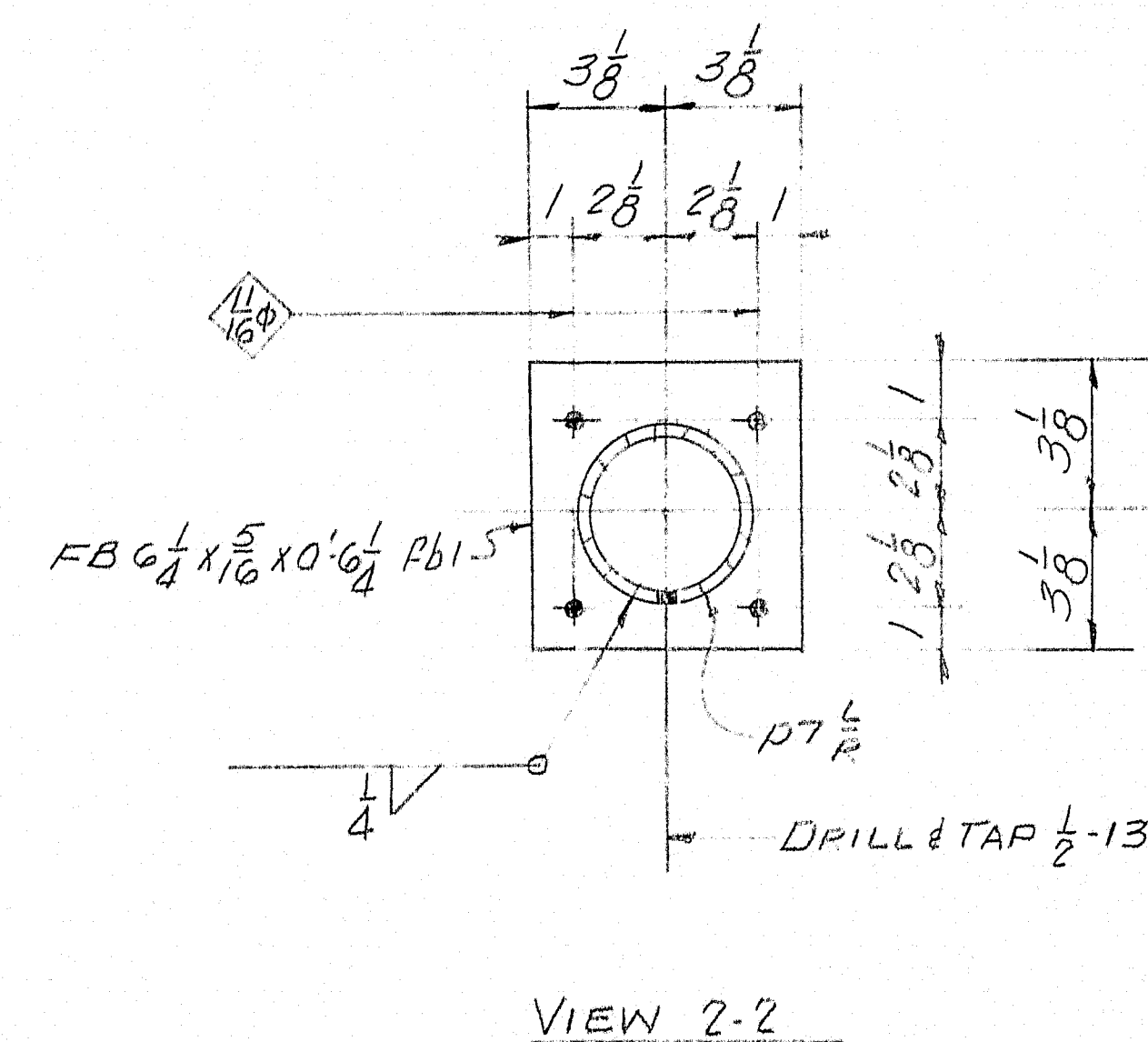
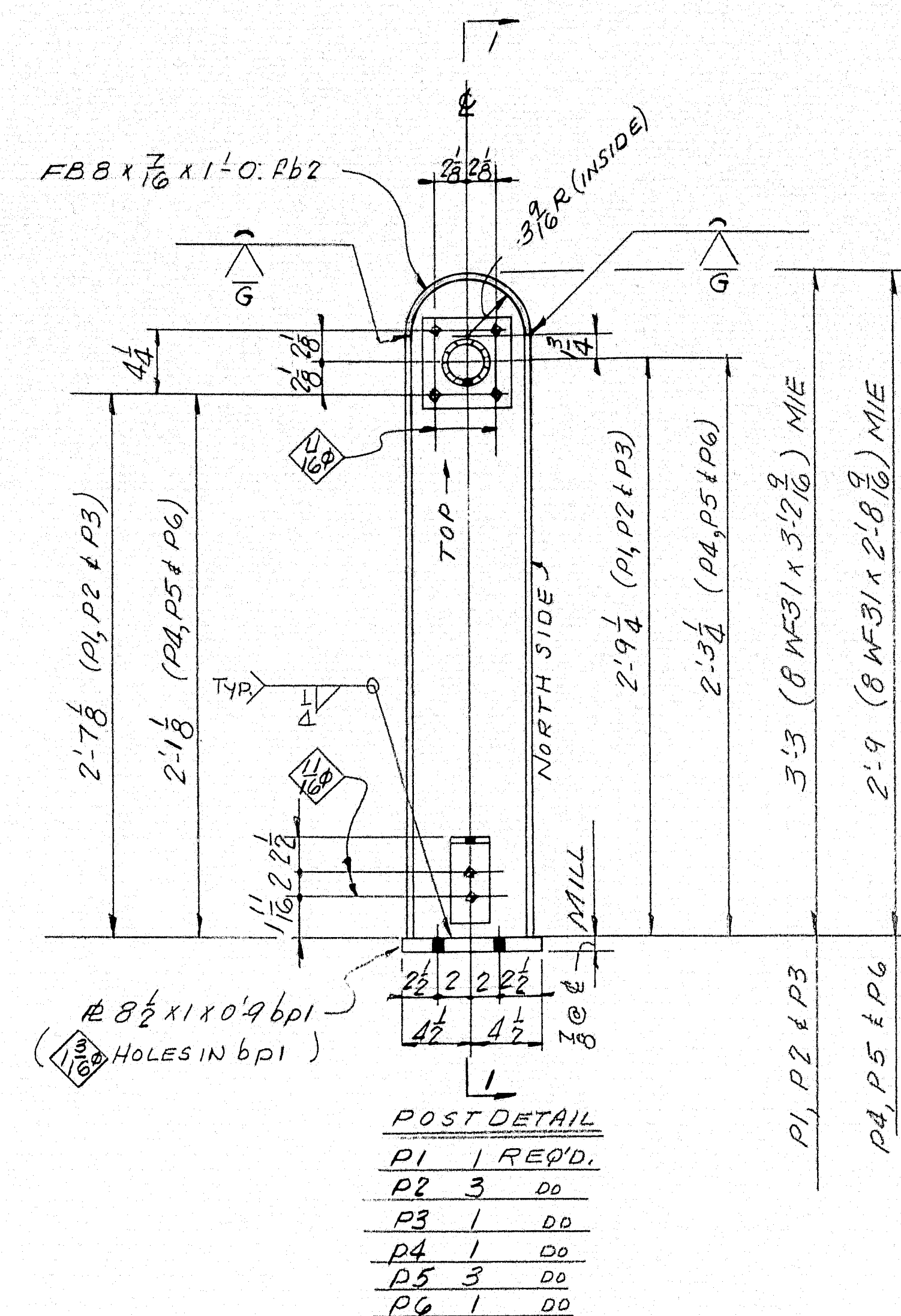
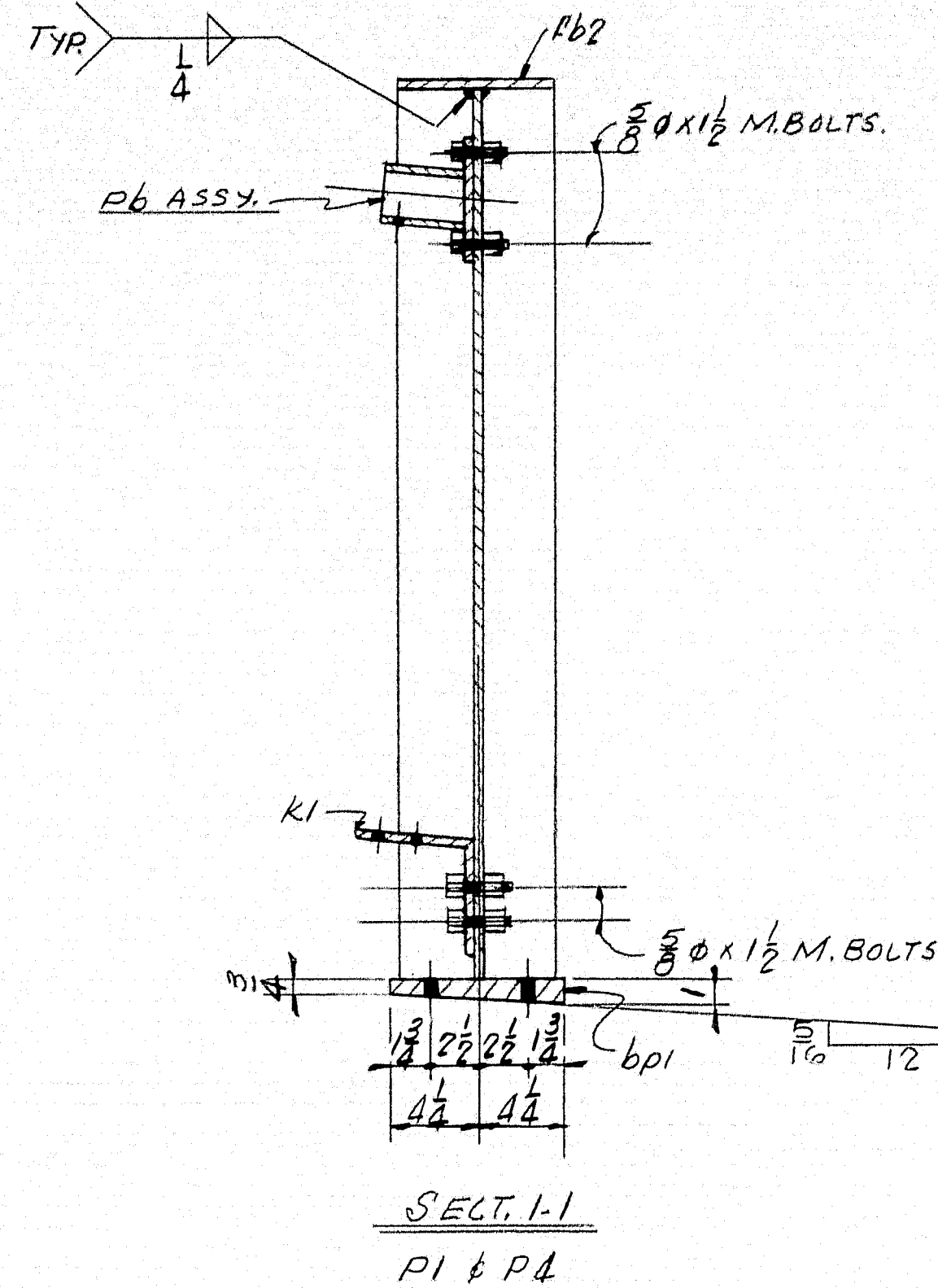
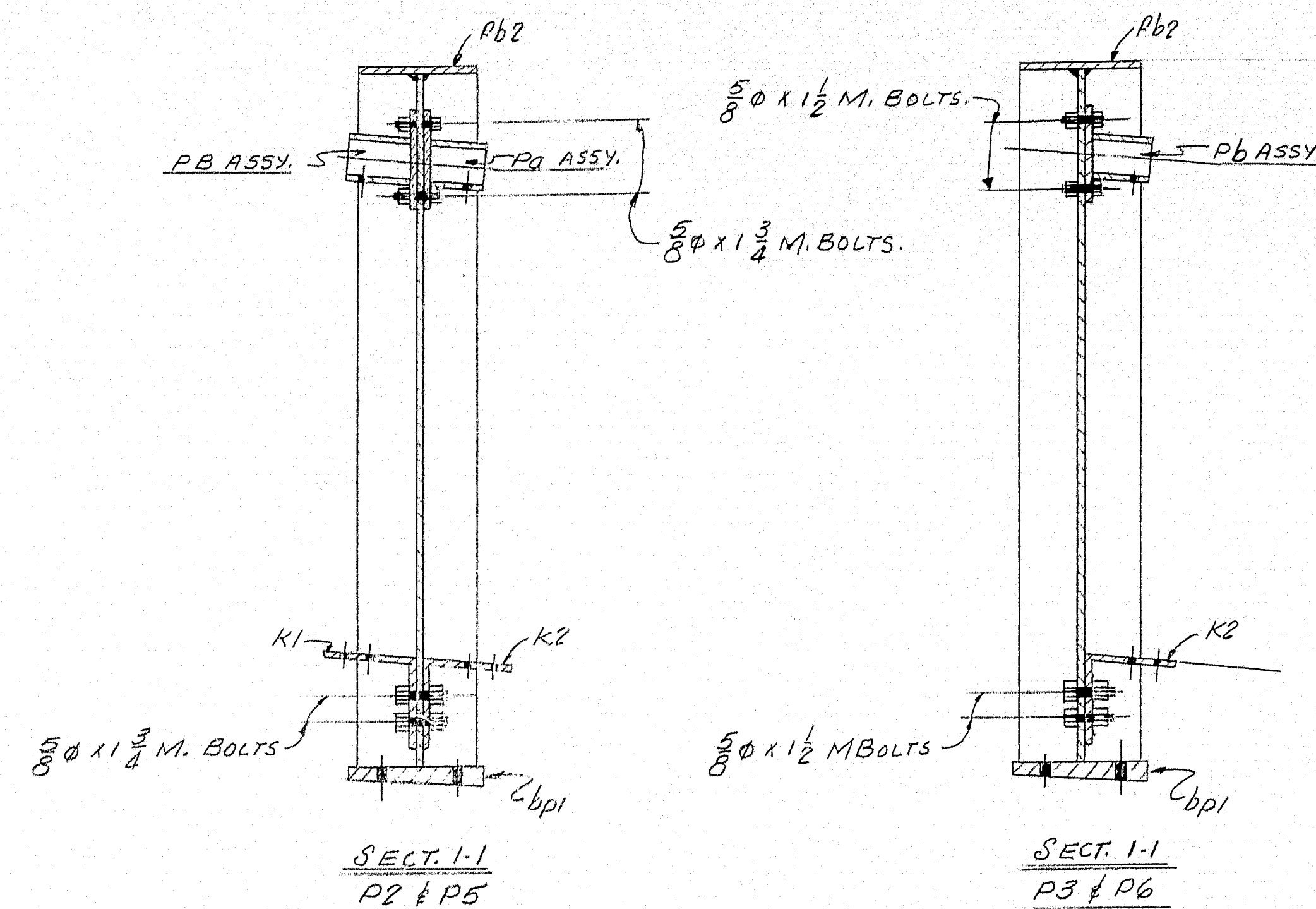


4" x 7' 8" C1 (R1)
4" x 7' 5" C2 (R2)

RAIL R1 4 REQ'D.
R2 4 DO

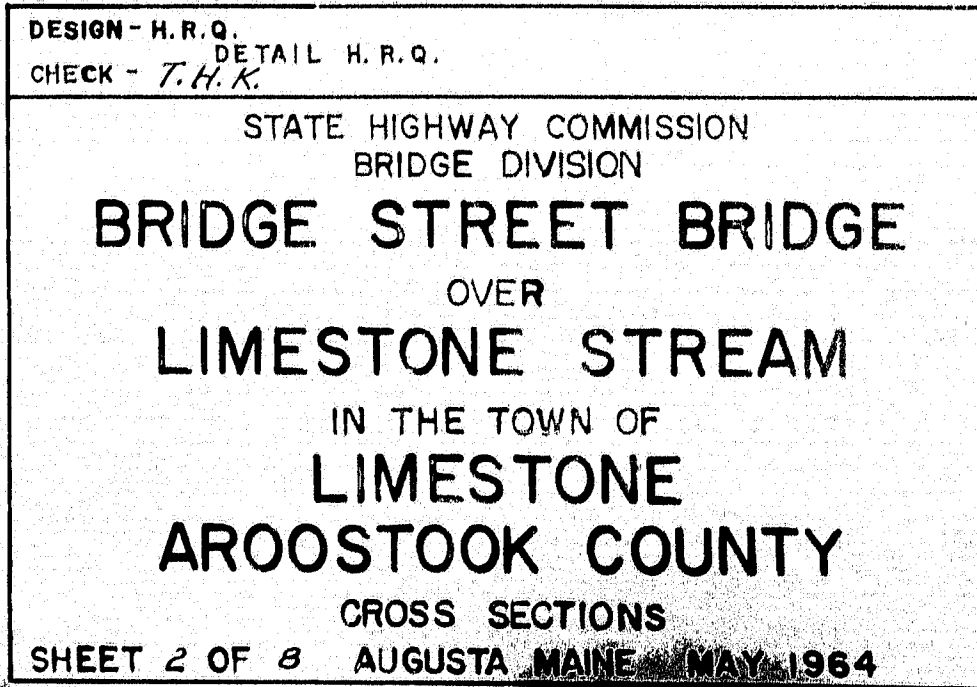


SHIP		BILL OF MATERIAL			DWG. NO. 61-355-53	
MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
FP	11		8 1/2 x 8	0.9		FABCO PAD SA47 REQ'D.
R1	4		SHOP ASSY			
R2	4		DO			
P1	1		8 WF31	3.2		M2E
P2	3		DO	3.2		DO
P3	1		DO	3.2		DO
P4	1		DO	2.8		DO
P5	3		DO	2.8		DO
P6	1		8 WF31	2.8		M2E
	4	P1	3 inch STD PIPE	7.7		
	4	P2	DO	7.5		
	56	P3	1 inch STD PIPE	1.7		
	56	P4	1 inch STD PIPE	2.1		
	8	P5	3/4 inch STD PIPE	0.4		
	8	P6	3/4 inch STD PIPE	0.4		
	1	C1	4" x 7' 8"	7.8		
	1	C2	DO	7.5		
	10	P1	8 1/2 x 1	0.9		BEVELLED
	8	K1	FB 2 1/2 x 1/2	0.1		BENT
	8	K2	FB 2 1/2 x 1/2	0.1		BENT
	16	P61	FB 6 1/2 x 1/2	0.6		
	10	P62	FB 8 x 1/2	1.0		
	24	SHOP	5/8 inch M. BOLTS	0.1		HEX HD & HEX NUTS
	36	SHOP	5/8 inch M. BOLTS	0.1		DO
	40	FIELD	5/8 inch M. BOLT	1.0		DO
	40	DO	5/8 inch STD WASHERS			
	34	DO	5/8 inch M. BOLTS	0.1		HEX HD & HEX NUTS
	9	DO	5-13 inch SET SCW	0.1		OKAL POINT
	9	DO	5-13 inch SET SCW	0.1		OKAL POINT
	19	DO	5-13 inch NUTS	0.1		HEX FINISHED JAM NUT
STEEL ASTM A36 OR A7 ITEM 702-108						
ABOVE B.O.M. COVERS DWG. S4 ALSO.						
SHOP CONNECTIONS: WELDED & BOLTED						
FIELD CONNECTIONS: BOLTED						
HOLES: AS NOTED						
PAINT: RED LEAD PER M.S.H.C. SPECS.						
BRIDGE RAIL & POST DETAILS						
Bancroft & Martin Inc.						
South Portland, Maine						
BRIDGE STREET BRIDGE						
OVER LIMESTONE STREAM						
LIMESTONE, MAINE						
CUSTOMER: WAYNE SUSI						
DESIGNER: M.S.H.C. BRIDGE DIV.						
ORDER NO. VERBAL DWG. NO. 61-355-53						



FOR B.O.M. & GENERAL NOTES SEE DWG. 53.

POST DETAILS			
Bancroft & Martin Inc.			
South Portland 7, Maine			
BRIDGE STREET BRIDGE			
OVER LIMESTONE STREAM			
LIMESTONE MAINE			
CUSTOMER WAYNE SUSI			
DESIGNER M.S. H.C. BRIDGE DIV.			
ORDER NO. VERBAL		DWG. NO. 64-355-54	

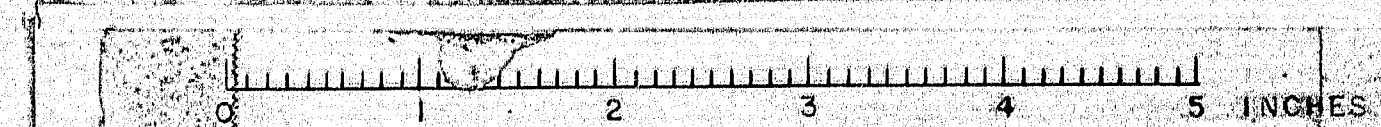
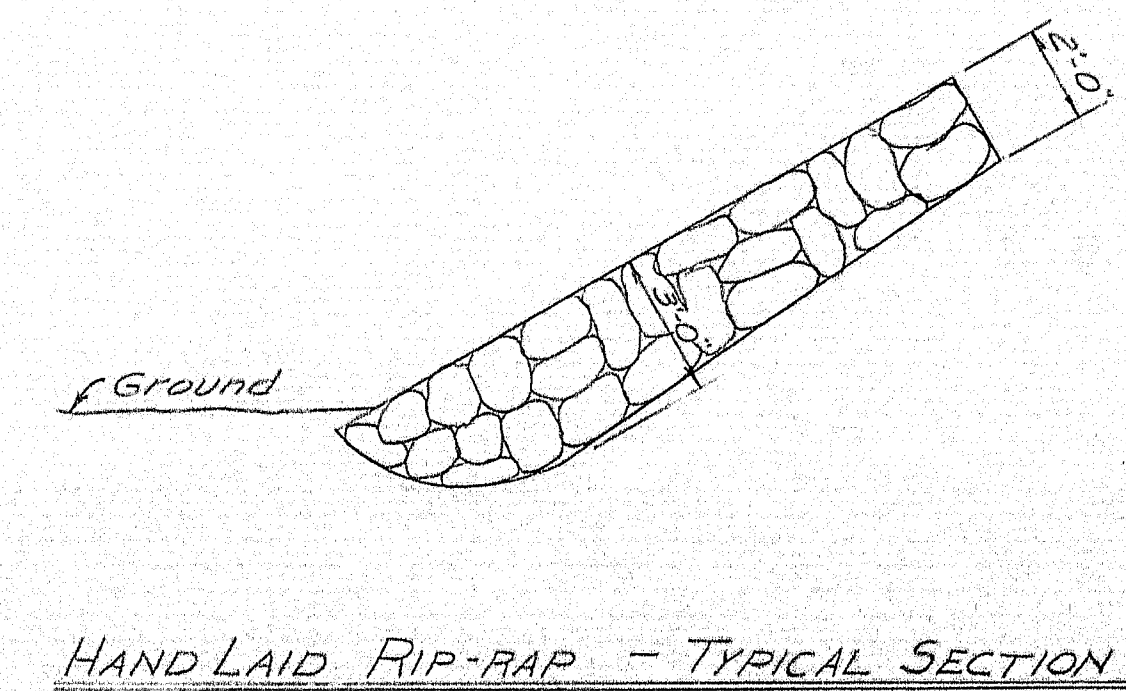
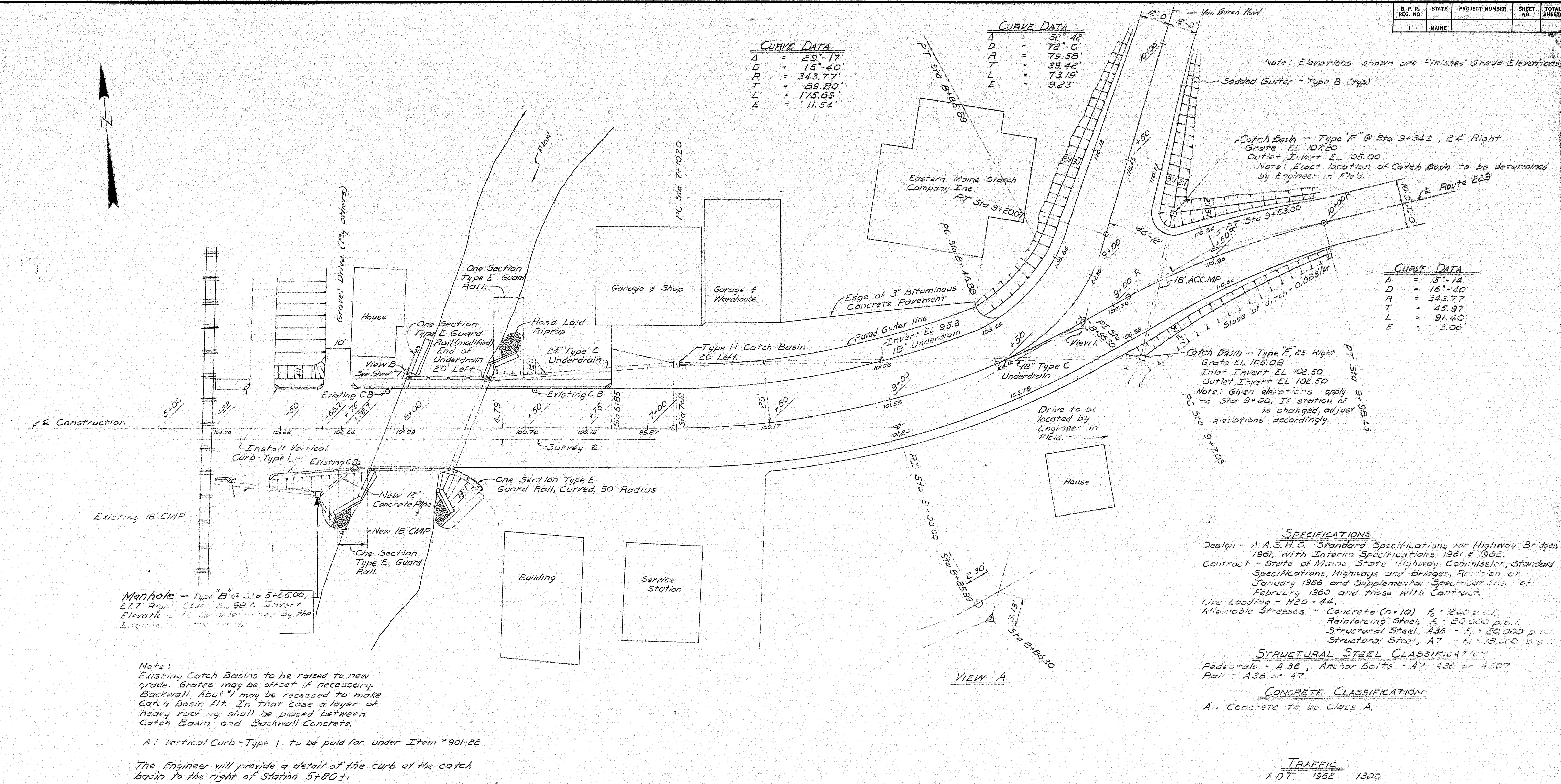


B. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE			

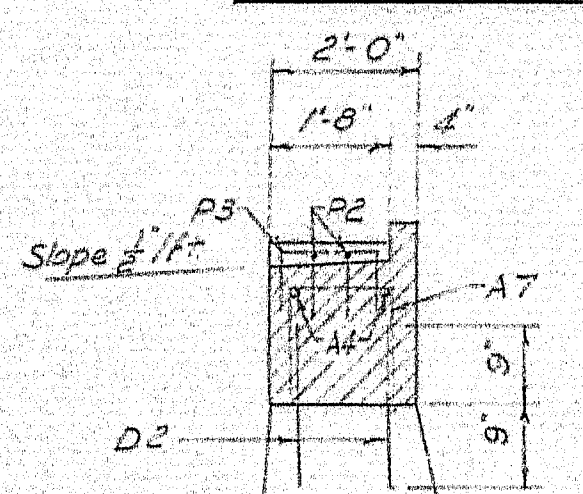
CURVE DATA	
A	= 29'-17"
D	= 16'-40"
R	= 343.77'
T	= 89.80'
L	= 175.69'
E	= 11.54'

CURVE DATA	
A	= 52'-42"
D	= 72'-0"
R	= 79.58'
T	= 39.42'
L	= 73.19'
E	= 9.23'

CURVE DATA	
A	= 5'-12"
D	= 16'-40"
R	= 343.77'
T	= 45.97'
L	= 91.40'
E	= 3.06'



B. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE			



SECTION C-C

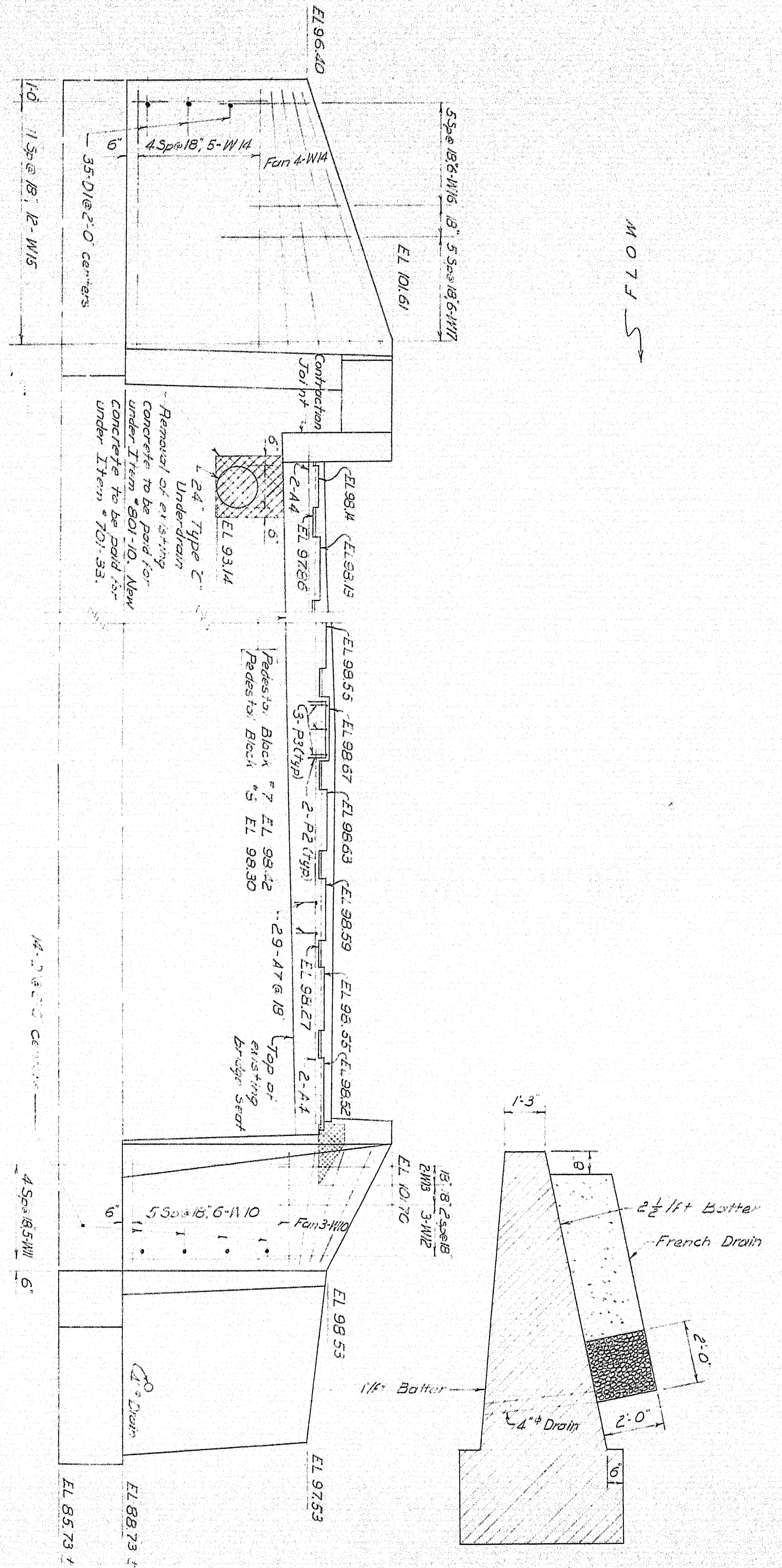
GENERAL ABUTMENT NOTES

Reinforcing to have a minimum of 3 cover except as shown.
 Reinforcing to be drilled and grouted into existing concrete to be replaced by new concrete.
 Dress Bearing Areas one inch larger all around than Minimum Plate and to exact elevations shown. Chamfer all exposed edges of concrete 1/4".
 E.F. = Each Face; TYP = typical.
 See Sheet 10 for Construction Joint Details.
 A coat of Gray Epoxy Resin Waterproofing material as specified in the "Supplemental Specifications" shall be applied to the surface of the face of the backwall, the bridge seat area, the inside face of the parapet, the face of the bridge seat cap for the length of the bridge seat, new concrete, Abutment No. 1, only.

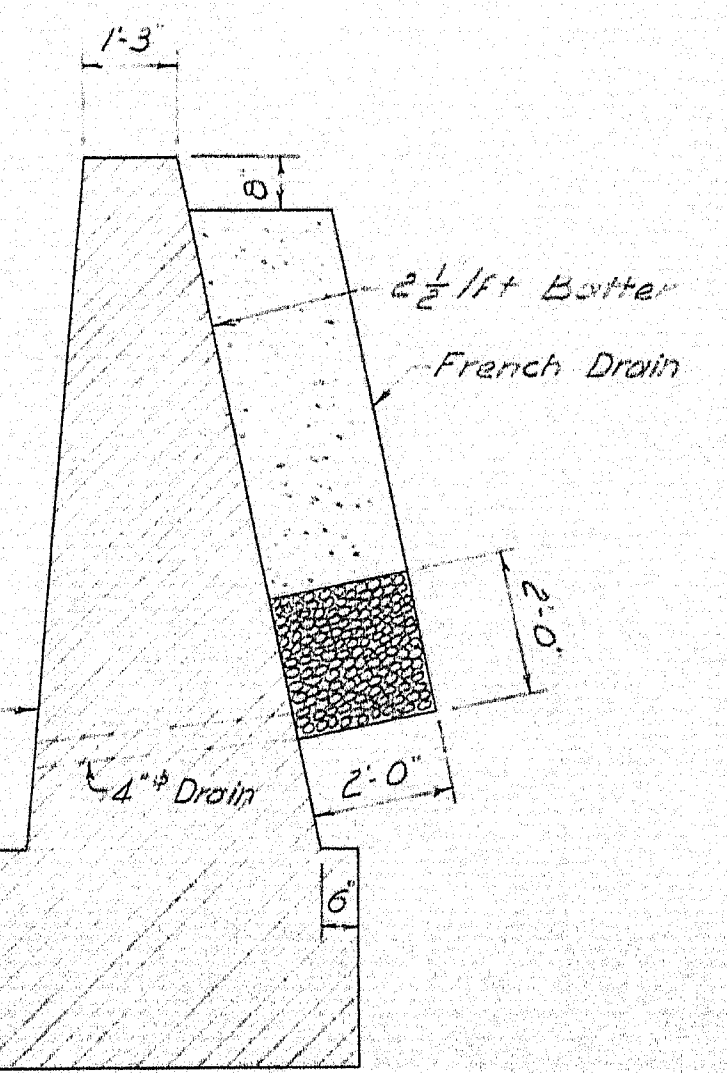
DESIGN - H.R.G. CHECK - T.H.K.	DETAIL H.R.G.	BRIDGE NO. SURVEY - PLOT -
STATE HIGHWAY COMMISSION BRIDGE DIVISION		
BRIDGE STREET BRIDGE		
OVER		
LIMESTONE STREAM		
IN THE TOWN OF		
LIMESTONE		
AROOSTOOK COUNTY		
ABUTMENT 2		
SHEET 5 OF 8 AUGUSTA, MAINE MAY 1964		

91-53

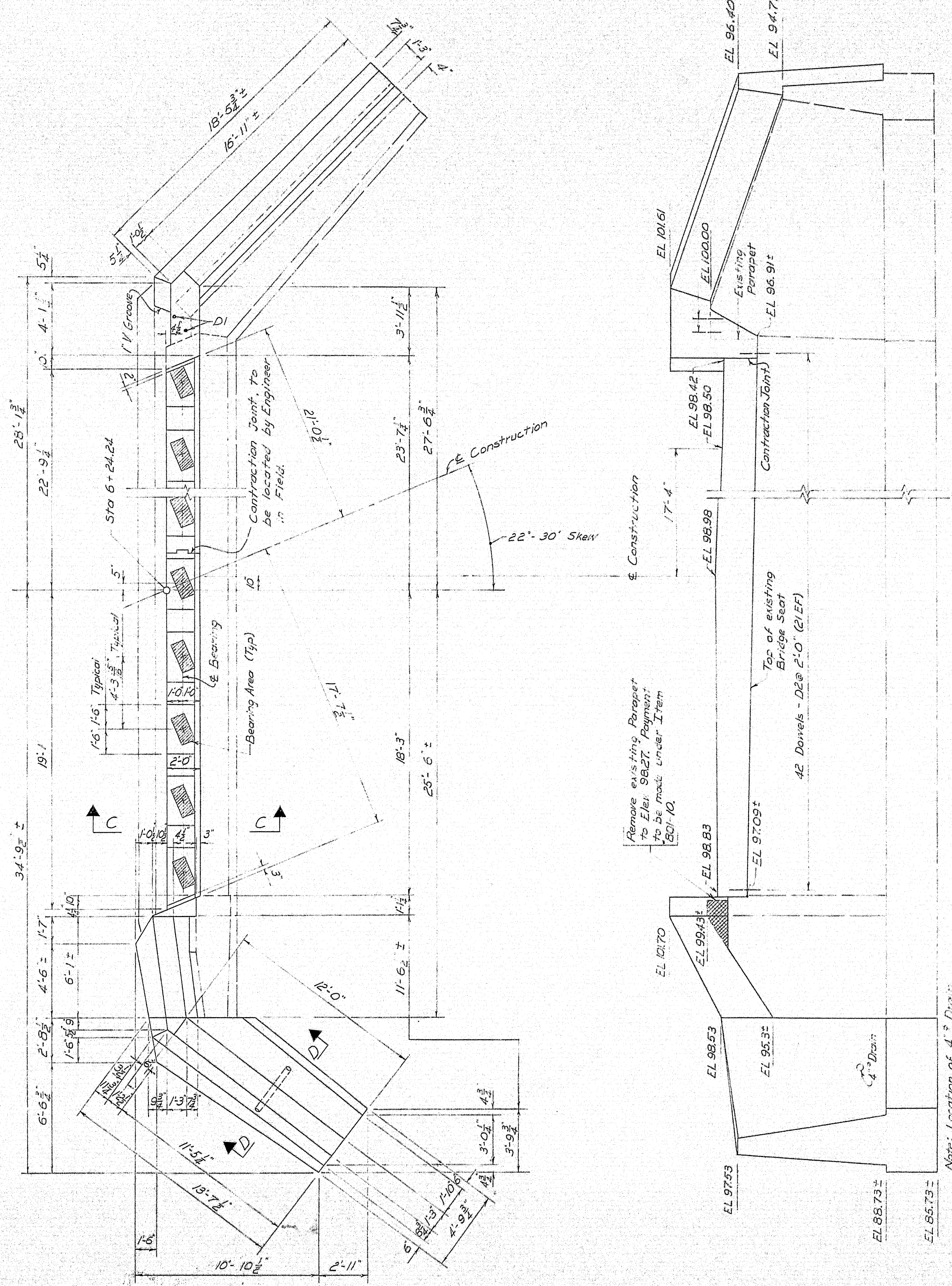
FRONT ELEVATION



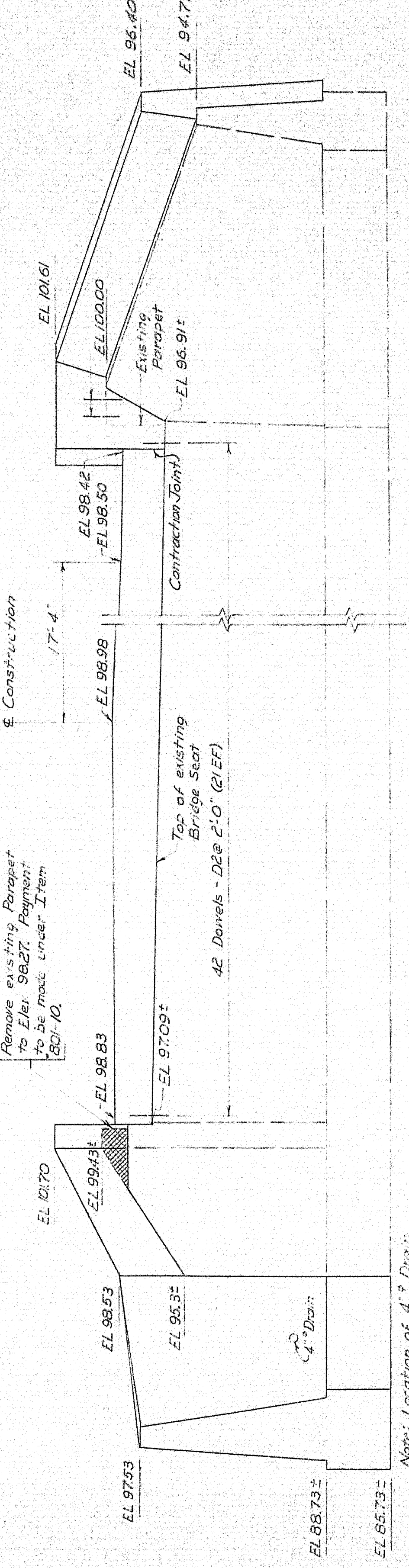
SECTION D-D



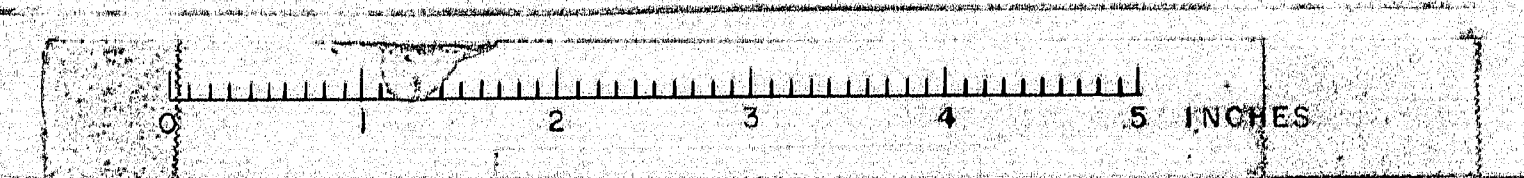
PLAN



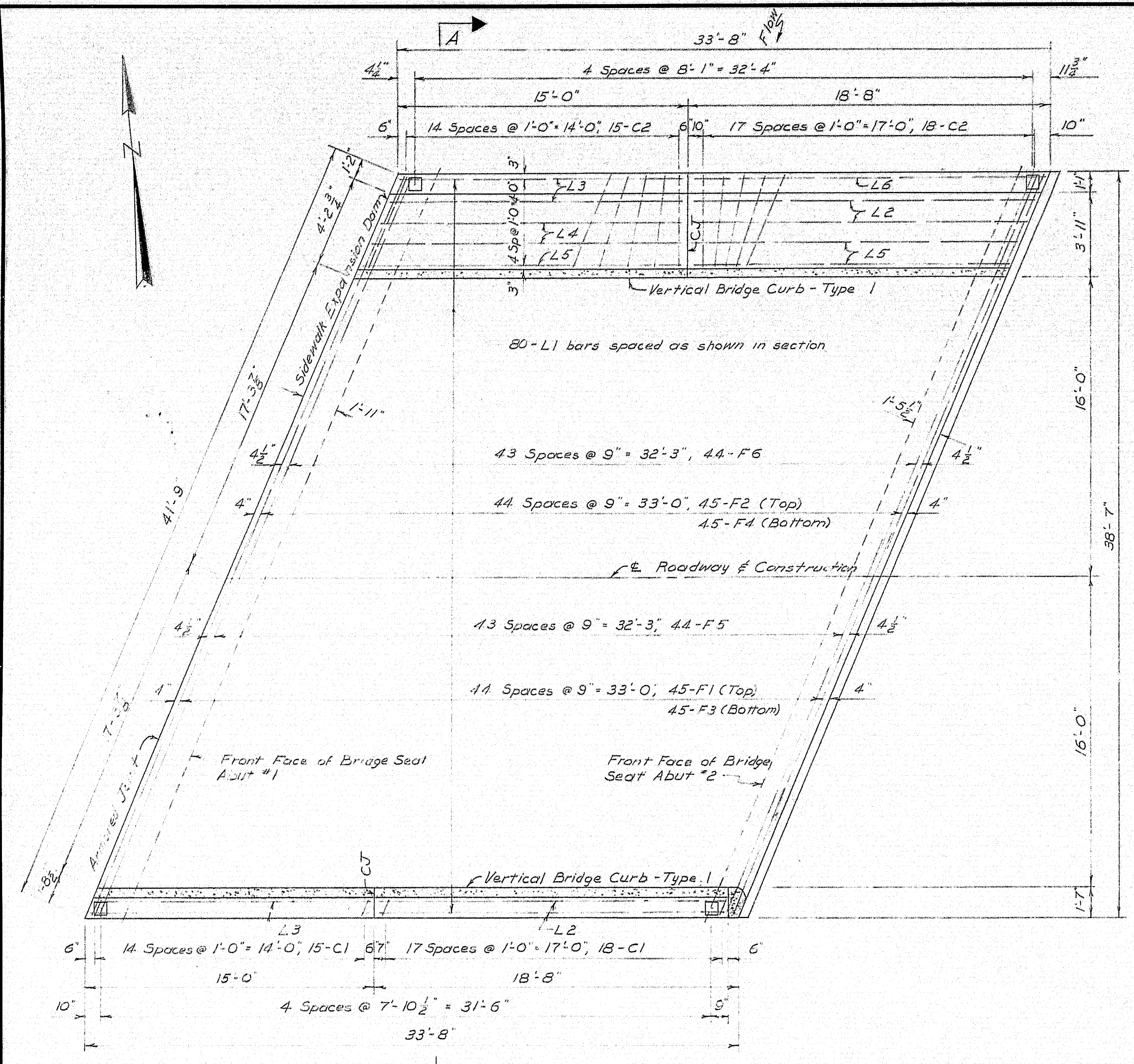
REAR ELEVATION



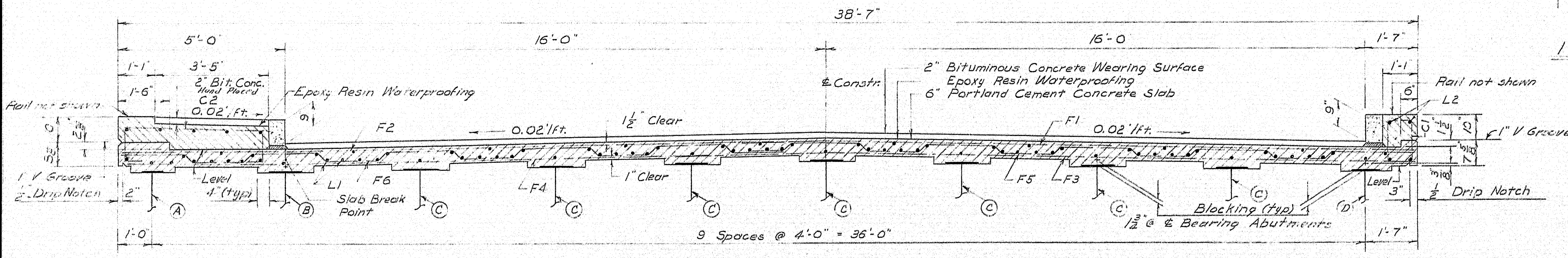
Note: Location of 4" Drain to be determined by Engineer in the field.



B.P. R. REC. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE			



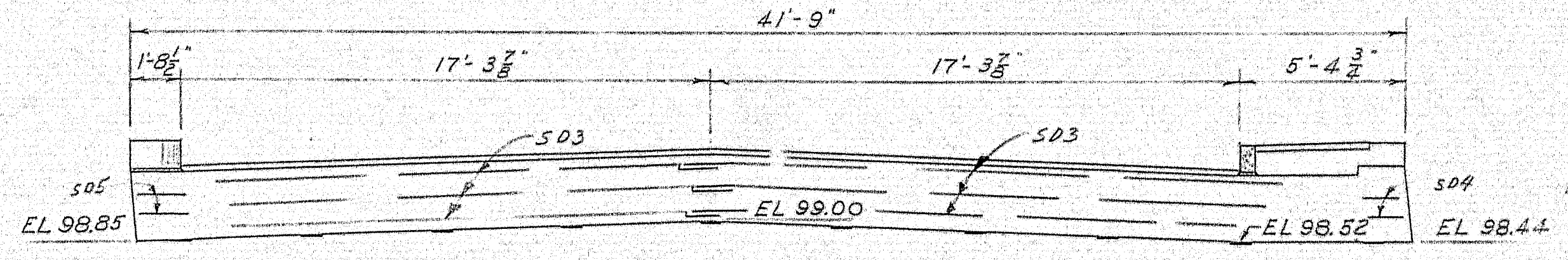
PLAN



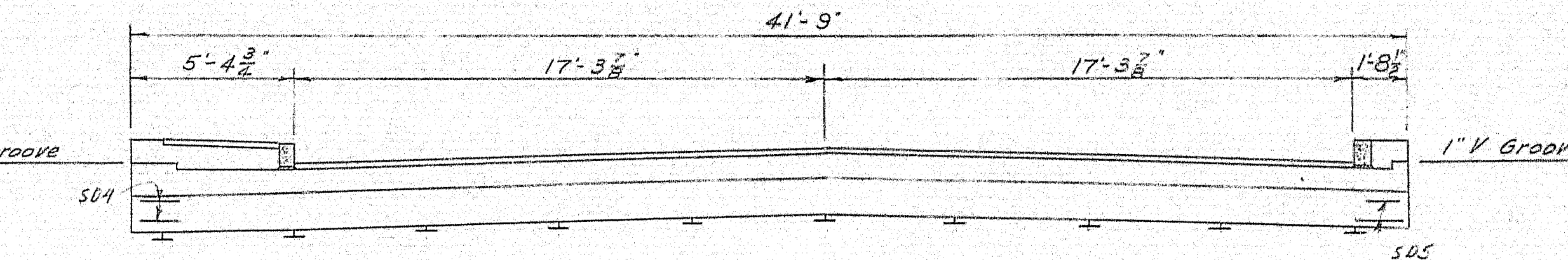
SECTION A-A

Size of Existing Stringers:
 A-1- 18" CB x 77" - 33'-6"
 B-1- 18" C.B. x 80" - 33'-6"
 C-7- 18" CB x 86" - 33'-6"
 D-1- 18" CB x 77" - 33'-6"

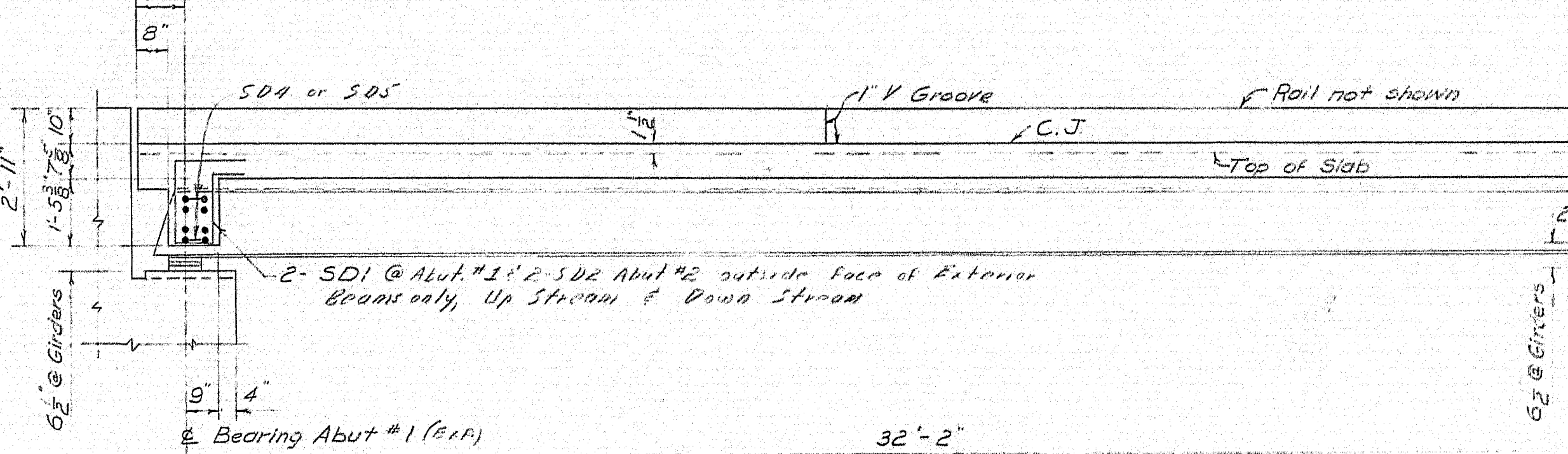
Notes: Except for spacing between stringers A and B the stringers shall be erected in their new location in the same order as the existing structure.



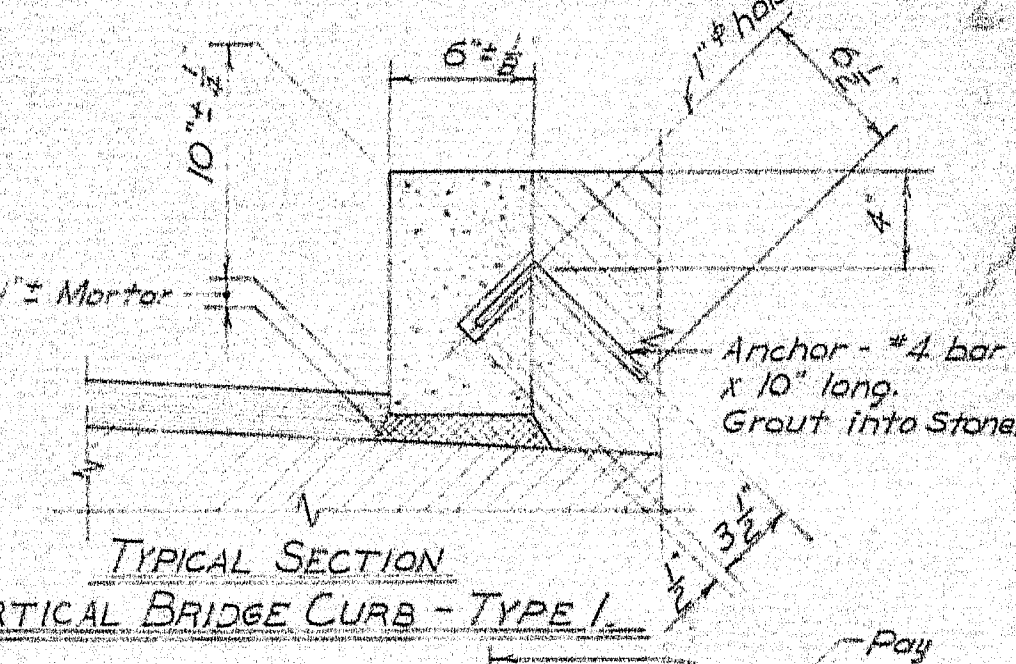
EAST END ELEVATION



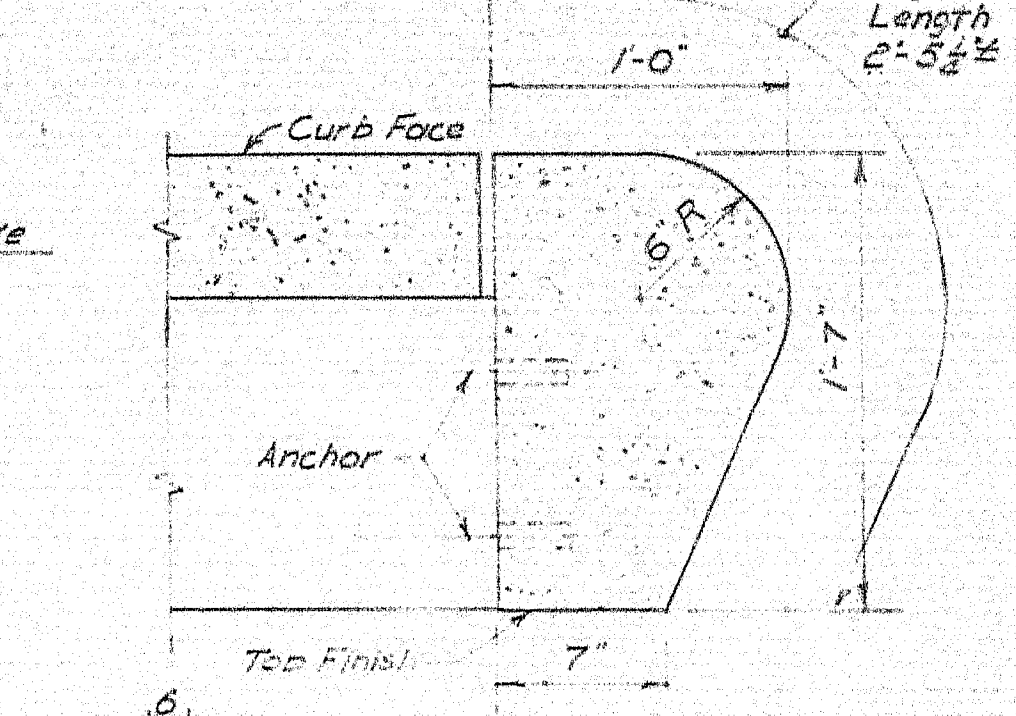
WEST END ELEVATION



SOUTH SIDE ELEVATION



TYPICAL SECTION
VERTICAL BRIDGE CURB - TYPE 1

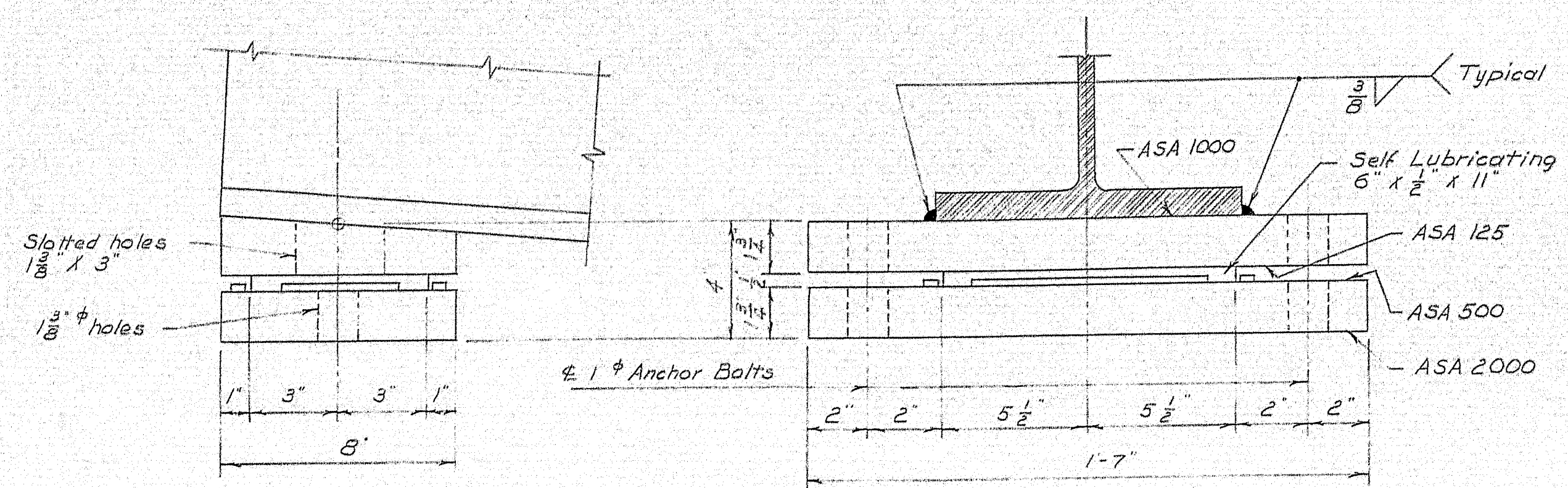


END DETAIL
VERTICAL BRIDGE CURB - TYPE 1

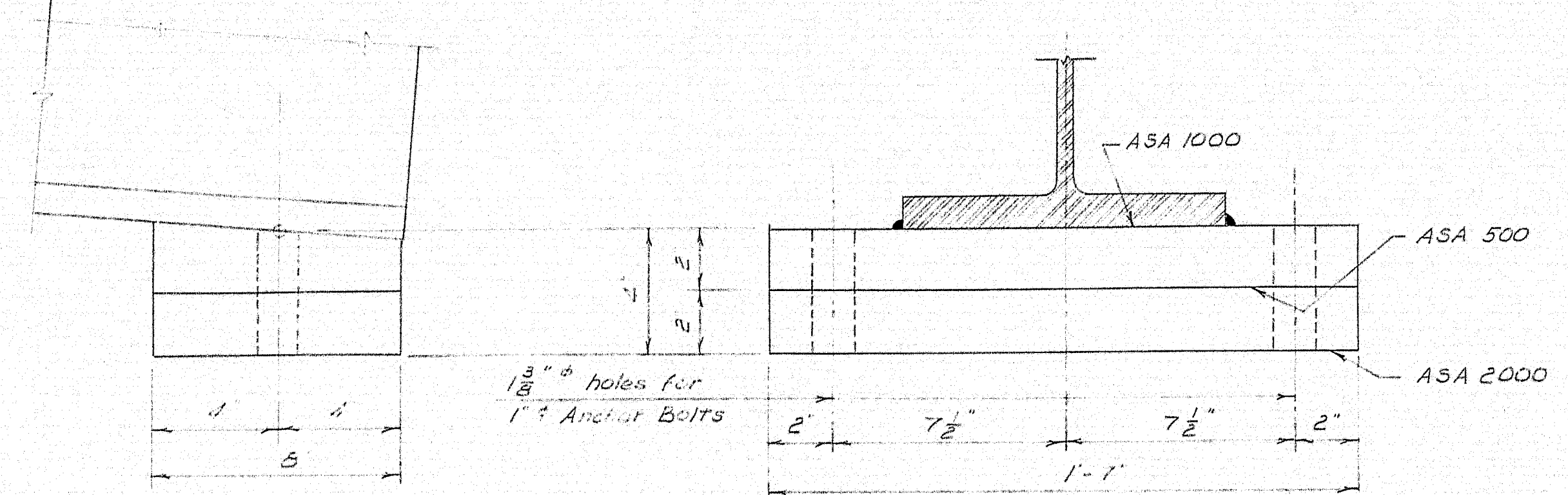
SUPERSTRUCTURE NOTES

At the following Construction Joints, break the bond between concrete surfaces with a suitable grade of Asphalt Paint: Curb, sidewalk.
 Cover the slots between superstructure and within on the base side, and the C.J. in View A, with 2 layers of heavy roofing, 10" wide. Coat concrete and backside of each layer on applied, with an approved grade of asphalt cement. The area to be covered is to be recessed 2".
 Reinforcing cover 2" unless noted.
 Chamfer all exposed edges of concrete.
 For Section at Abutment #1, see Sheet #7.
 For Rail Details see Sheet #7.
 For Sidewalk Expansion Dam at Abutment #1, see Sheet #7.
 Armored Joint will be as shown in Standard Detail except that the Adjustment Device B will be added to the top of beams. Plug existing 1/2" holes in exterior girders with 3/4" carriage bolts. Install so that bolt heads are on exterior face. Payment to be made under Items 702-103 & 702-104. (2 1/2" holes to be filled).

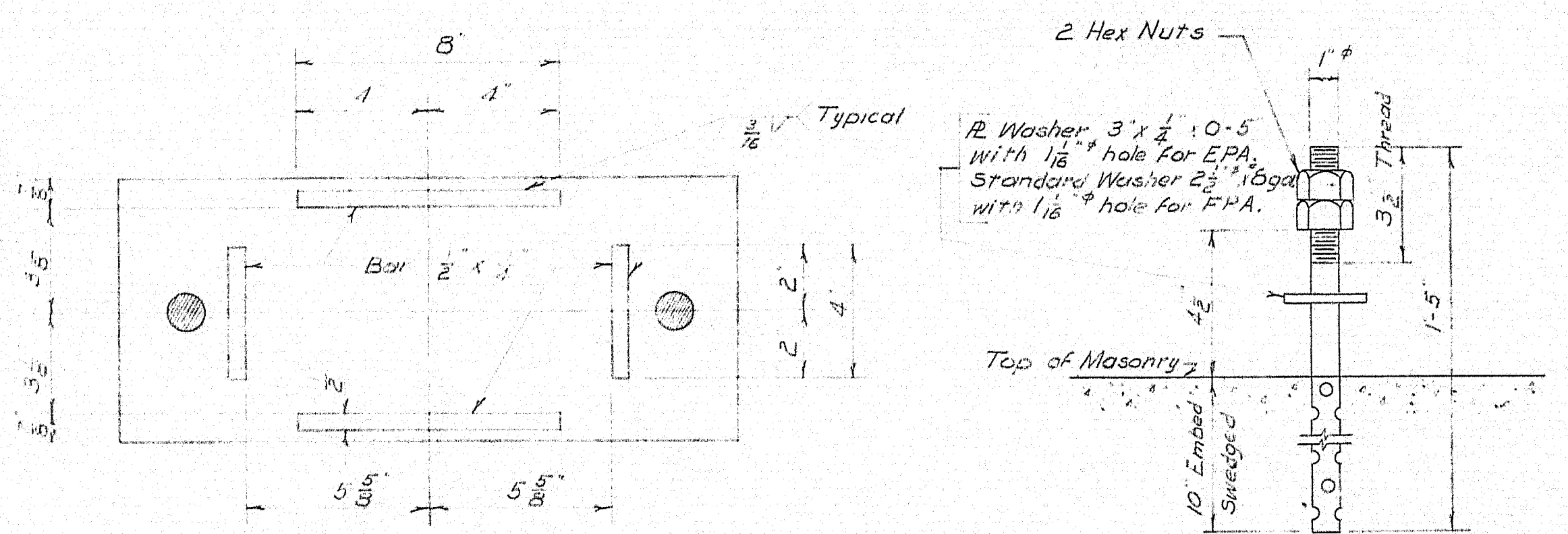
DESIGN- H.R.G. TRACE- T.H.K.	DETAIL H.R.G.	BRIDGE NO. SURVEY- PLOT-
STATE HIGHWAY COMMISSION BRIDGE DIVISION		
BRIDGE STREET BRIDGE		
OVER		
LIMESTONE STREAM		
IN THE TOWN OF		
LIMESTONE		
AROOSTOOK COUNTY		
SUPERSTRUCTURE		
SHEET 6 OF 8 AUGUSTA, MAINE MAY 1964		



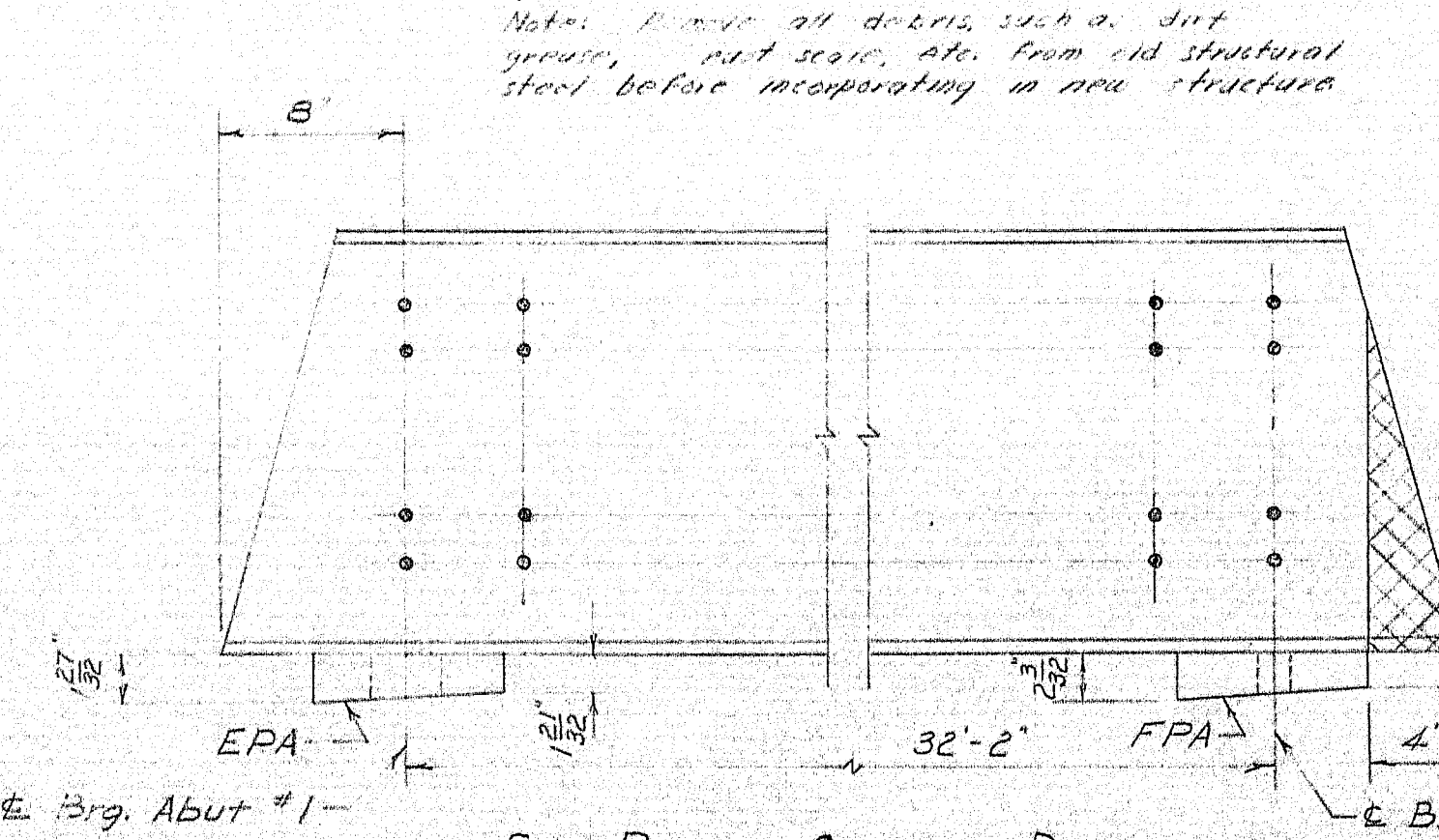
EXPANSION PEDESTAL - EPA
10 Required Abutment #1



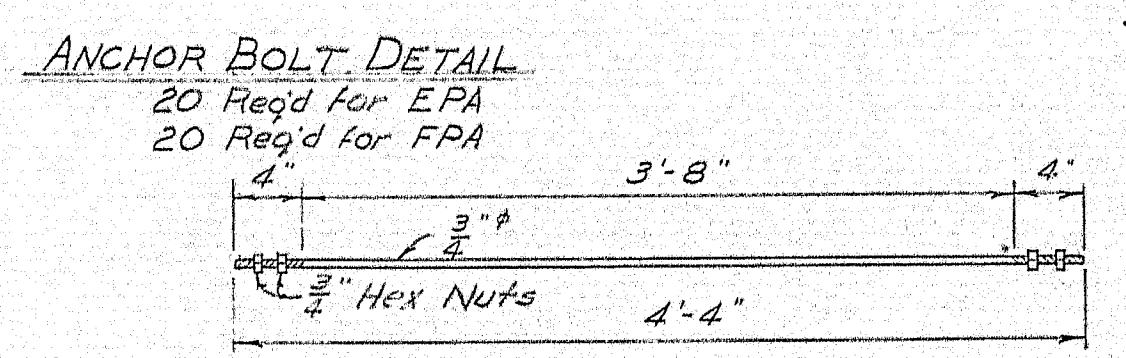
FIXED PEDESTAL - FPA
10 Required Abutment #2



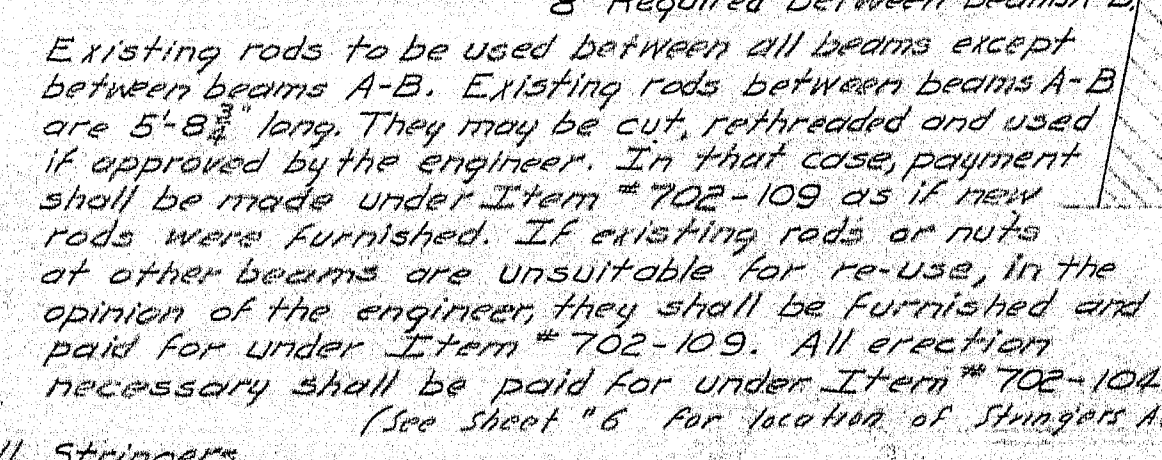
MASONRY PLATE FOR EPA
10 Req'd.



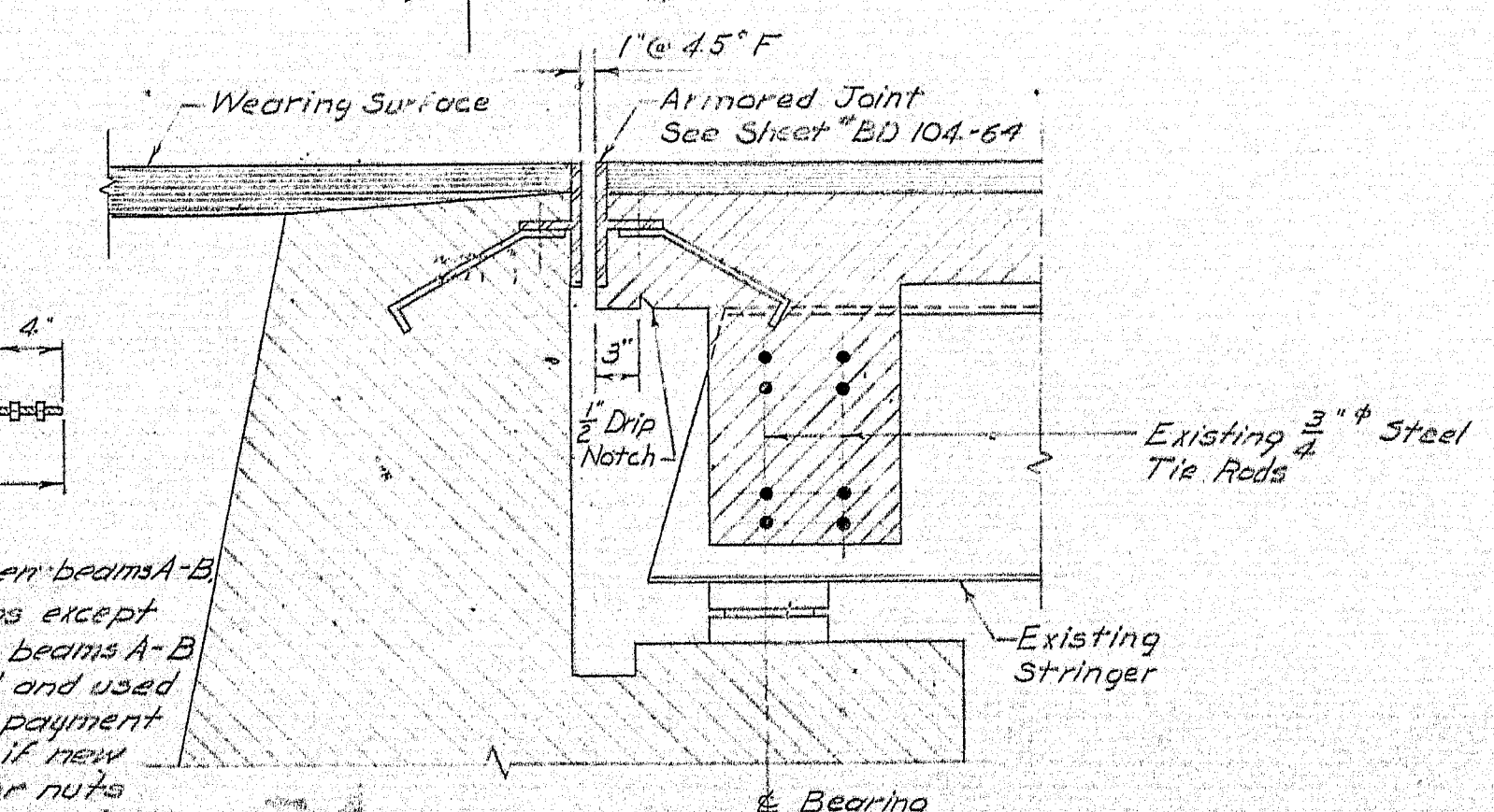
SOLE PLATE - STRINGER DETAIL



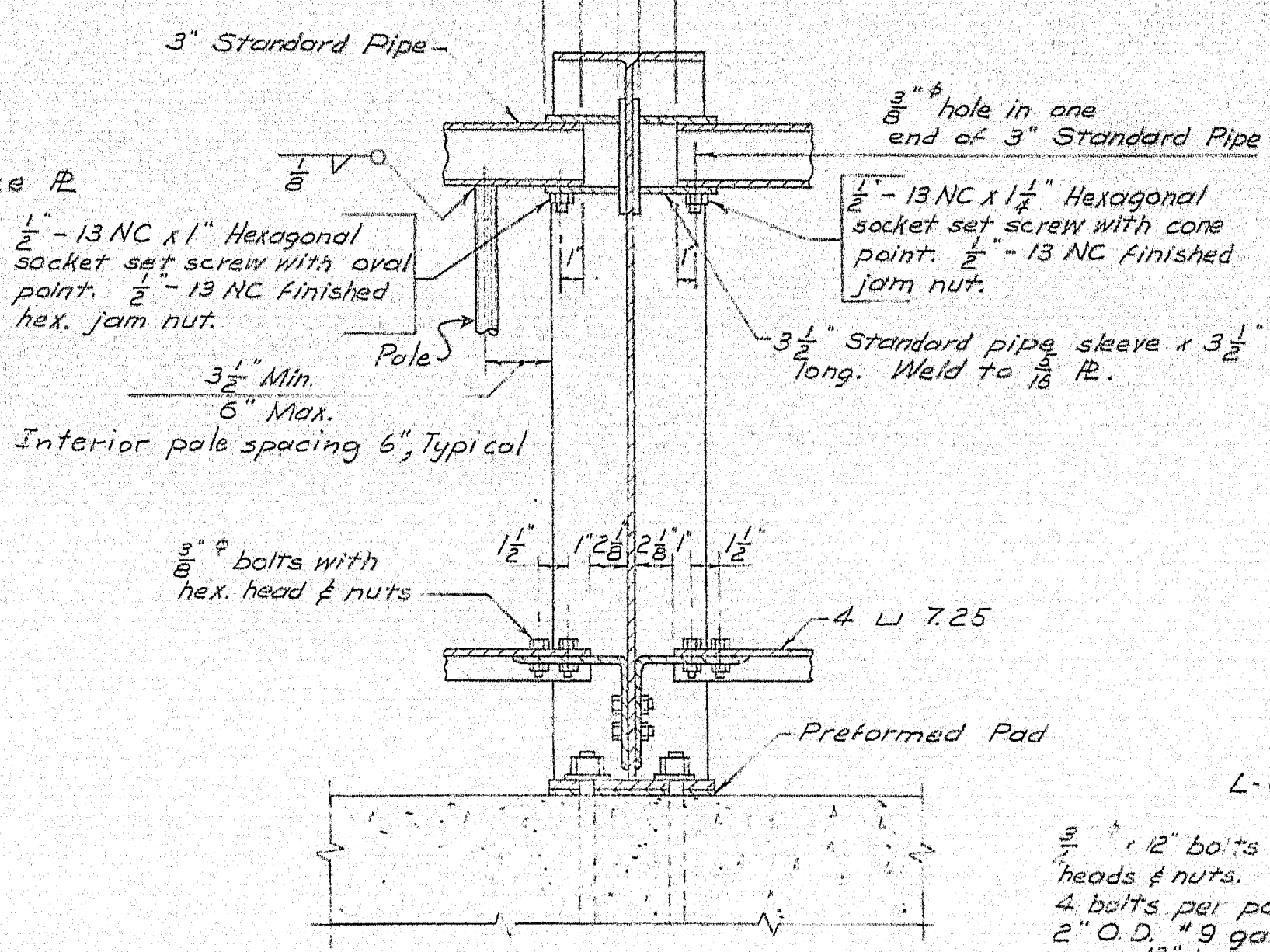
ANCHOR BOLT DETAIL



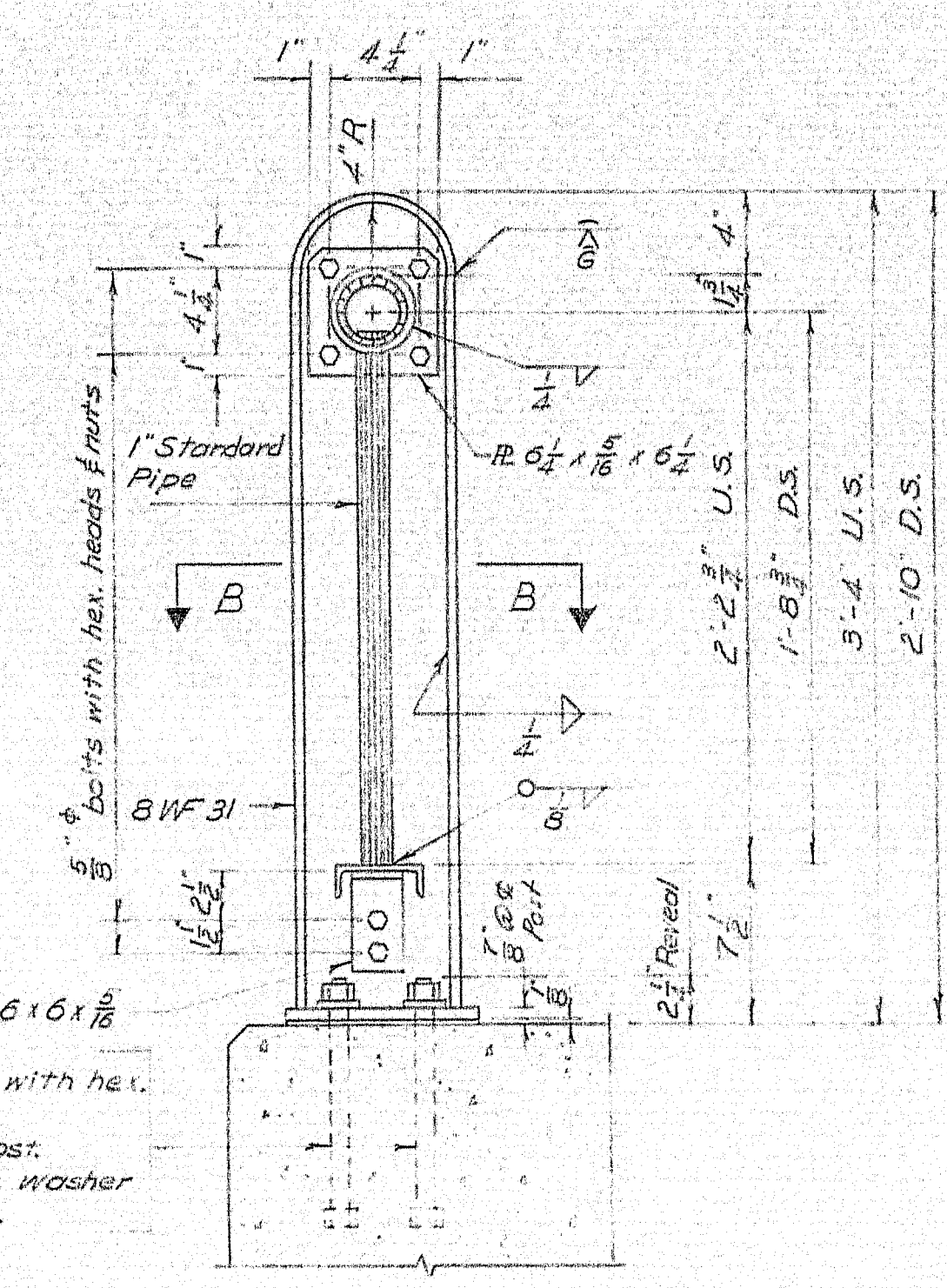
TIE RODS



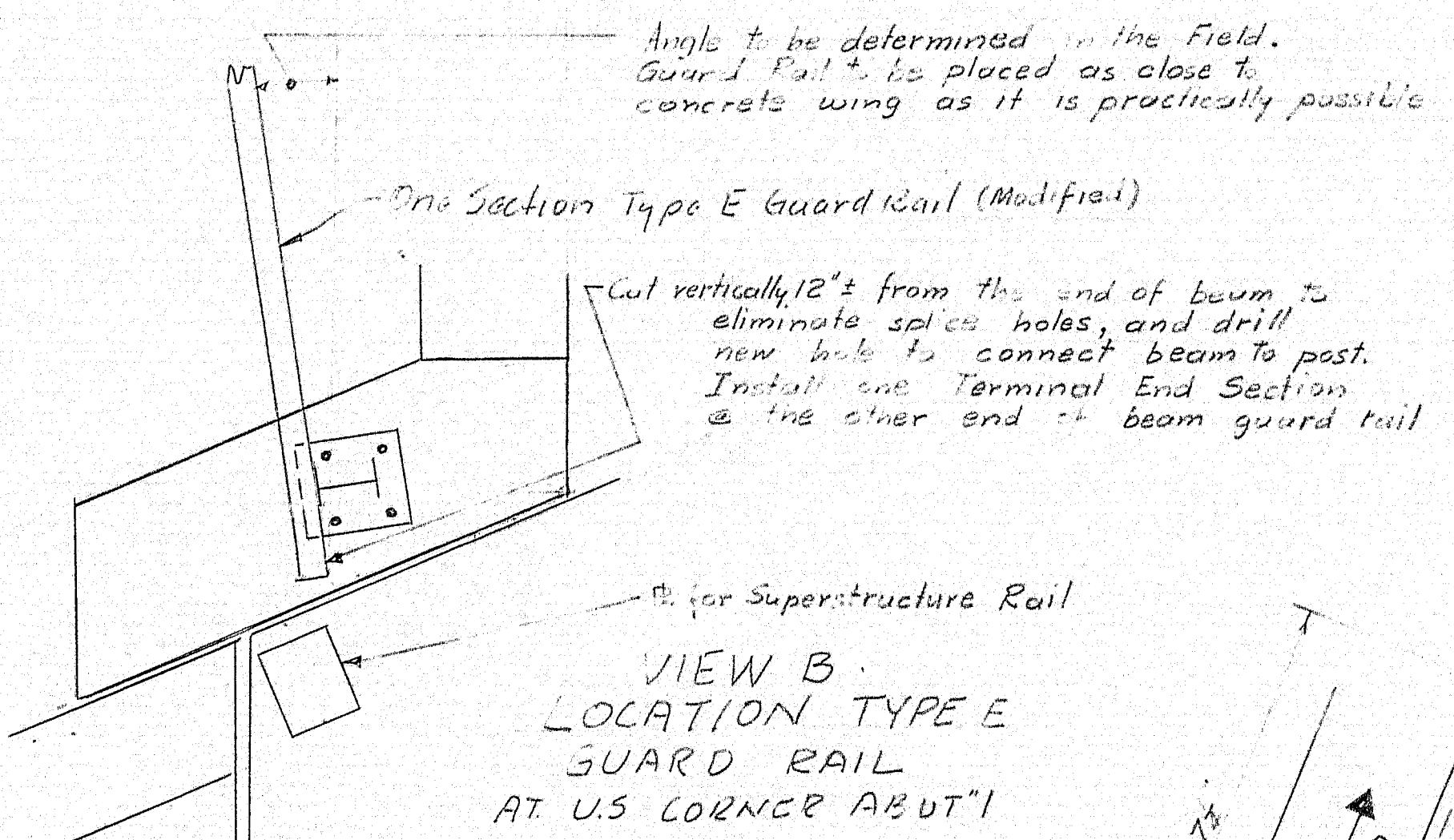
SECTION @ ABUTMENT #1



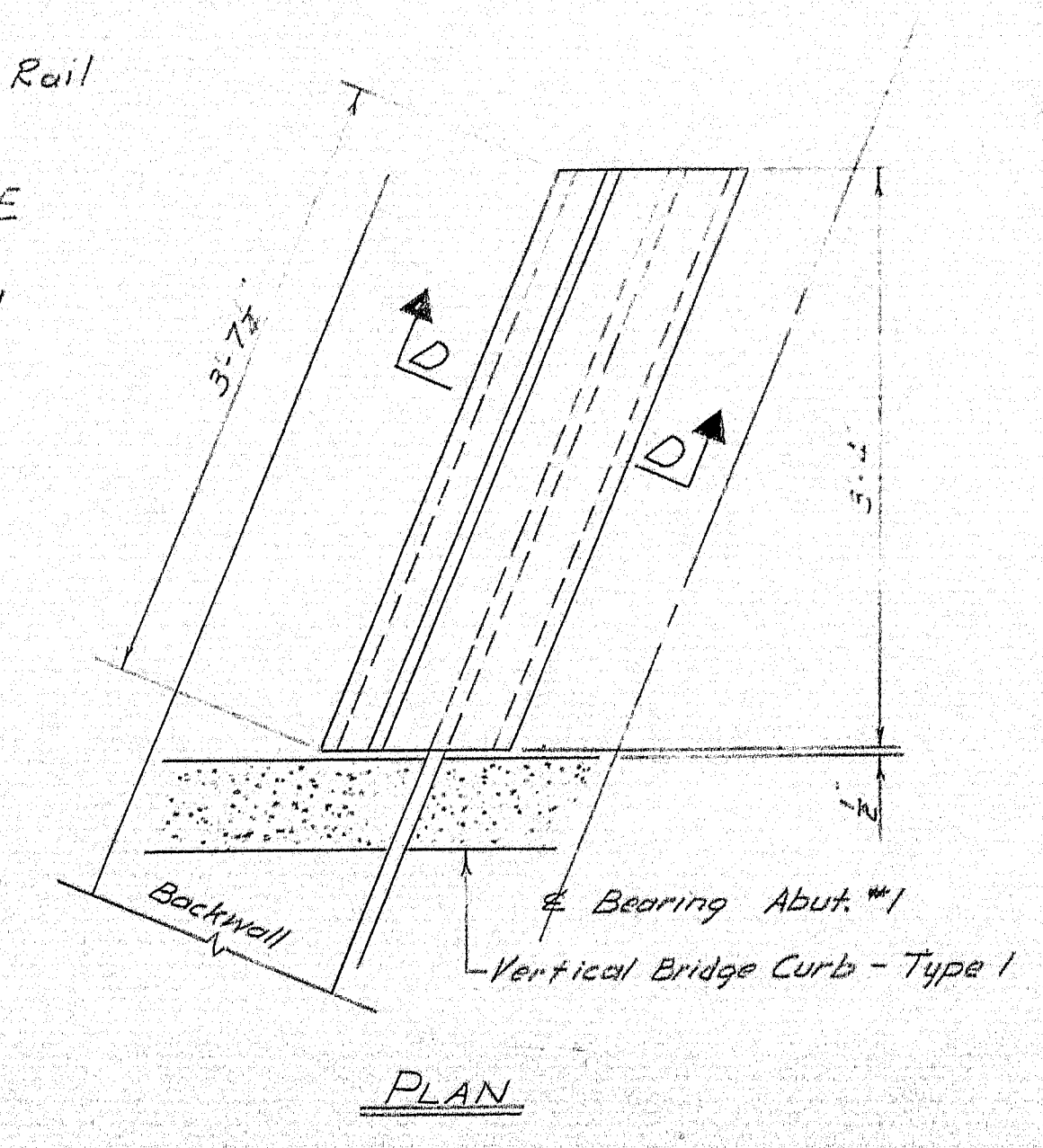
SECTION THROUGH POST
Posts & Poles to be plumb



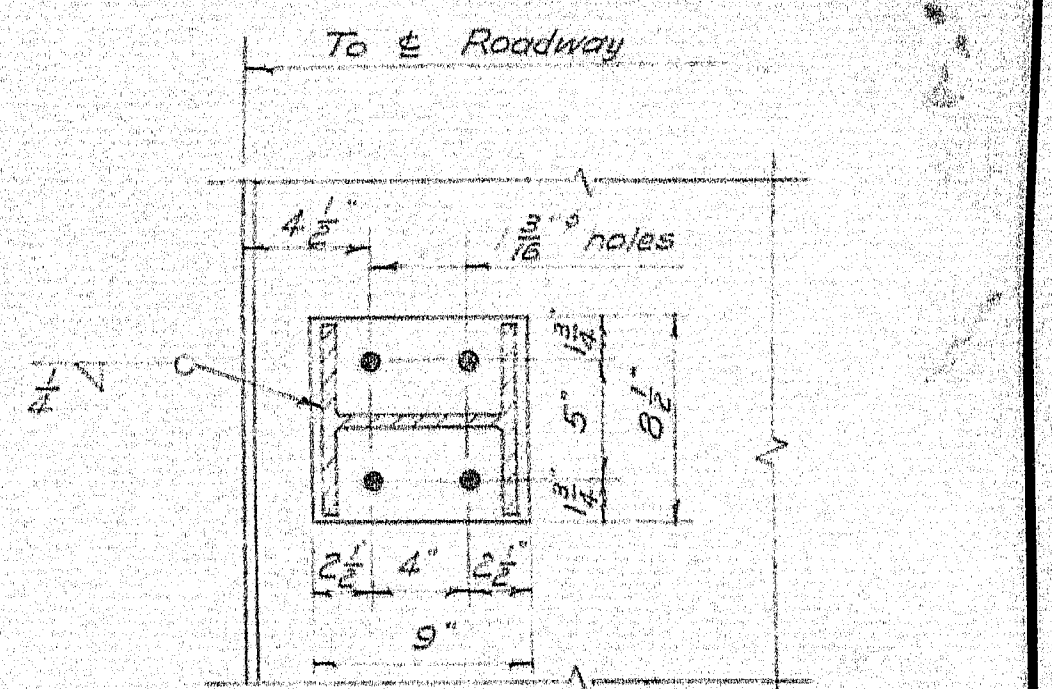
TRANSVERSE SECTION THROUGH POST



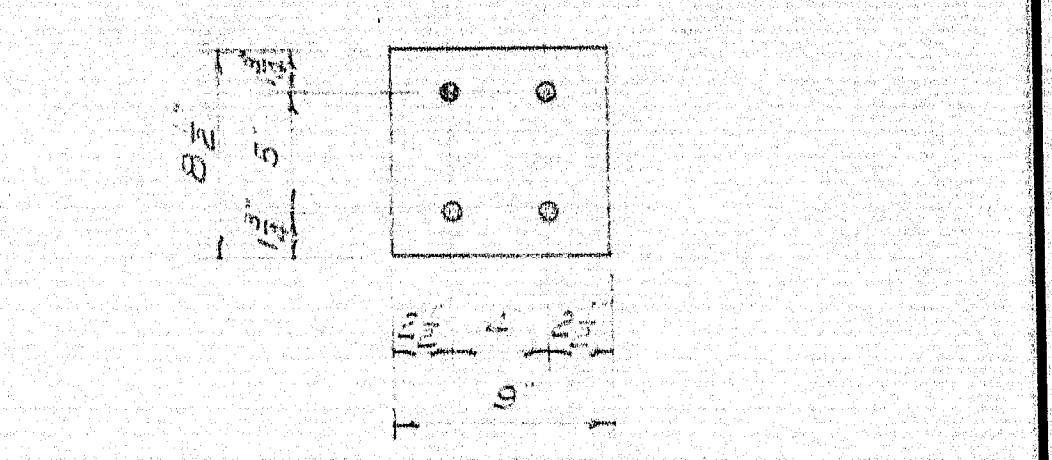
VIEW B
LOCATION TYPE E
GUARD RAIL
AT US CORNER ABUT #1



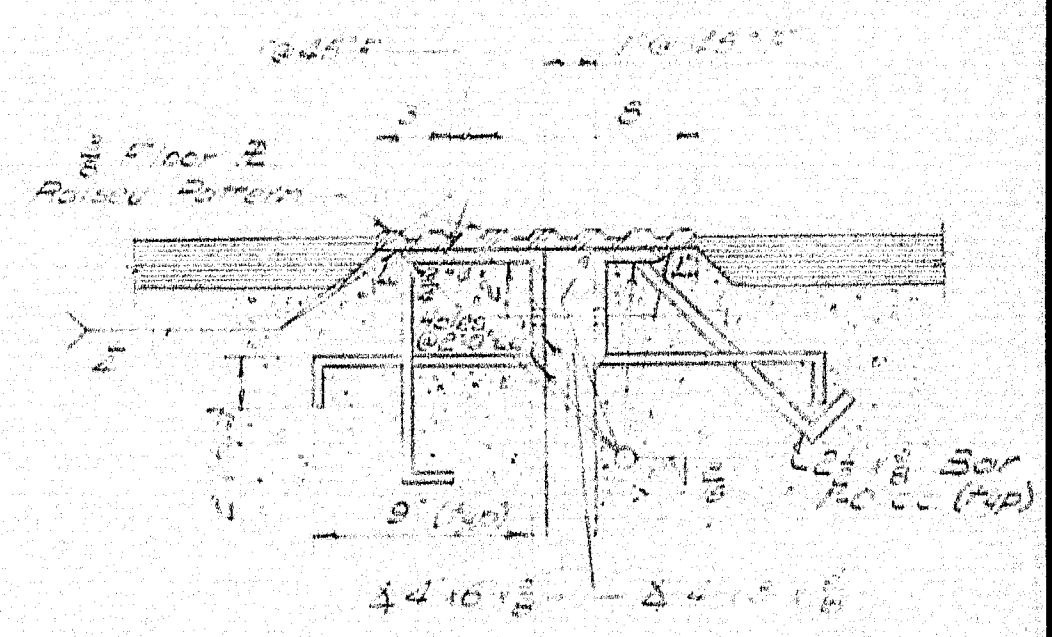
PLAN
SIDEWALK EXPANSION DAM
1 Required



SECTION B-B



PREFORMED PAD
At least one Pad shall be placed under each post. 17 Pads shall be furnished. Size of Pads shall be 9\"/>



SECTION D-D

Note: All structural steel shown on this sheet except stringers and possibly tie rods to be new.
Estimated weight new steel = 7222 lbs.
Estimated weight structural steel - erection = 34300 lbs.

DESIGN - H.R.Q.	DETAIL H.R.Q.	BRIDGE NO.
TRACE - T.H.K.		SURVEY - PLOT -

STATE HIGHWAY COMMISSION
BRIDGE DIVISION
BRIDGE STREET BRIDGE
OVER
LIMESTONE STREAM
IN THE TOWN OF
LIMESTONE
AROOSTOOK COUNTY
BEARINGS, RAIL & SUPERSTRUCTURE DETAILS
SHEET 7 OF 8 AUGUSTA, MAINE MAY 1964

Revised 10/8/64

