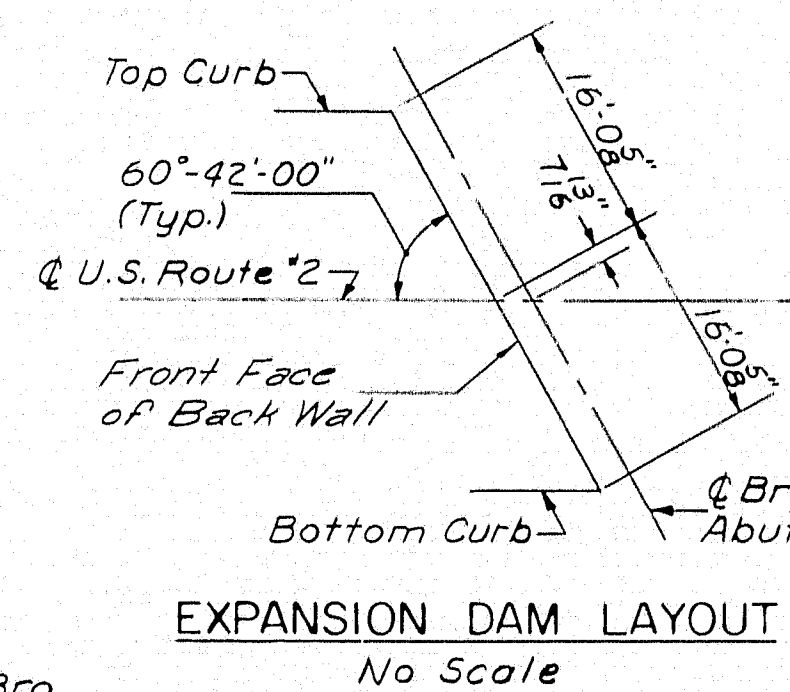
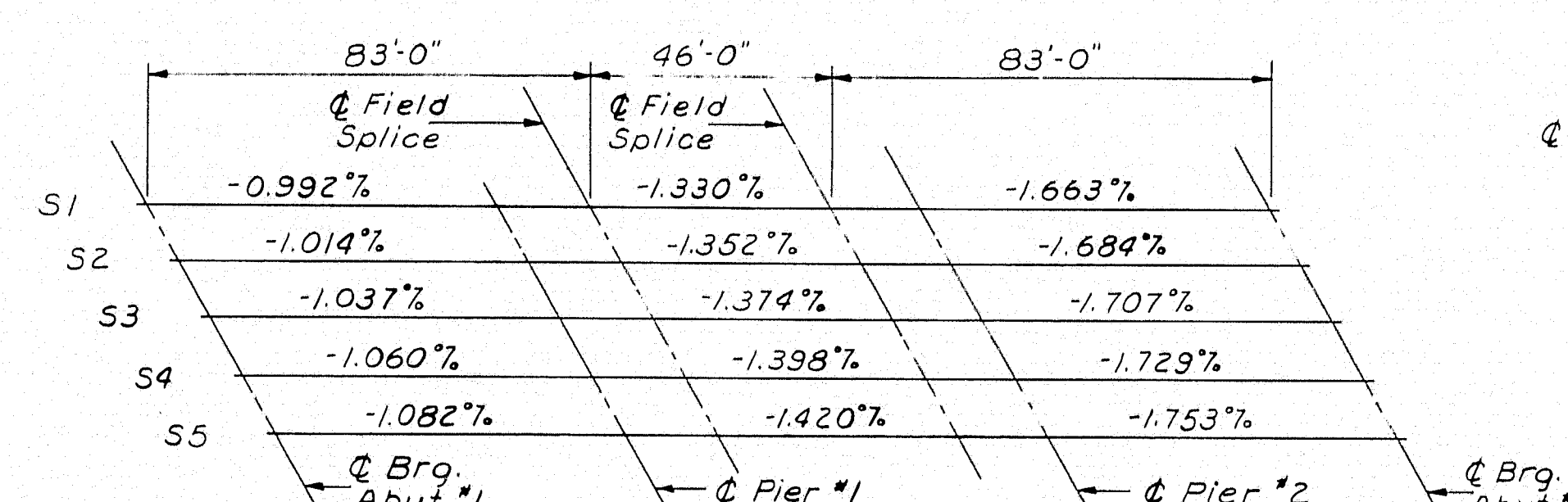
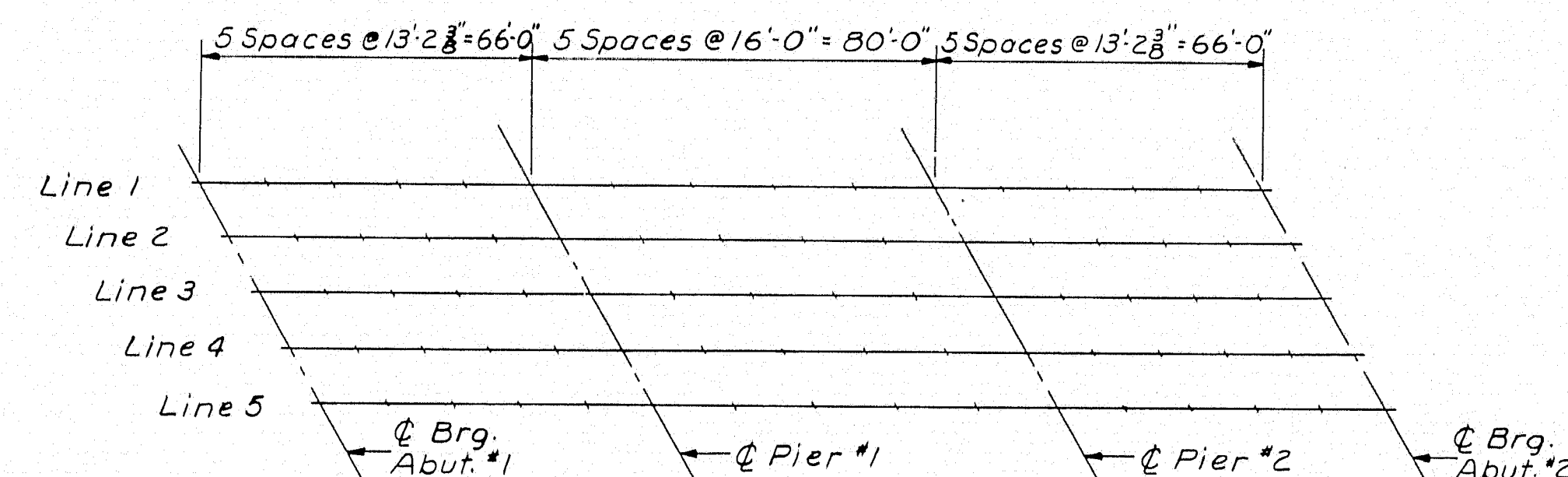
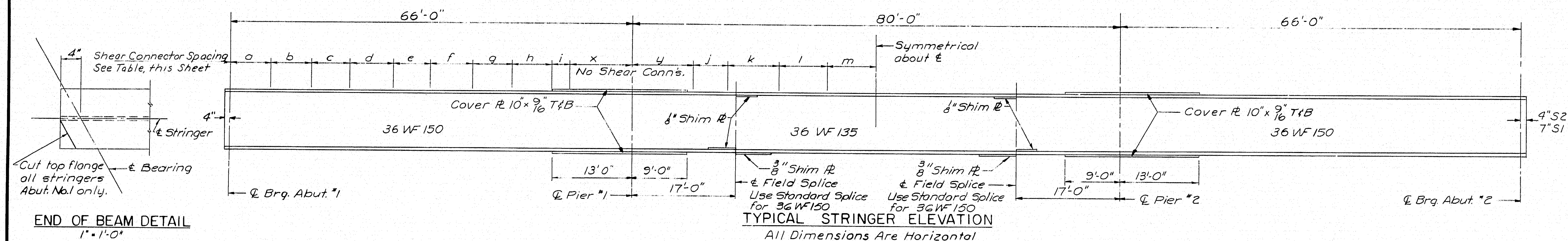
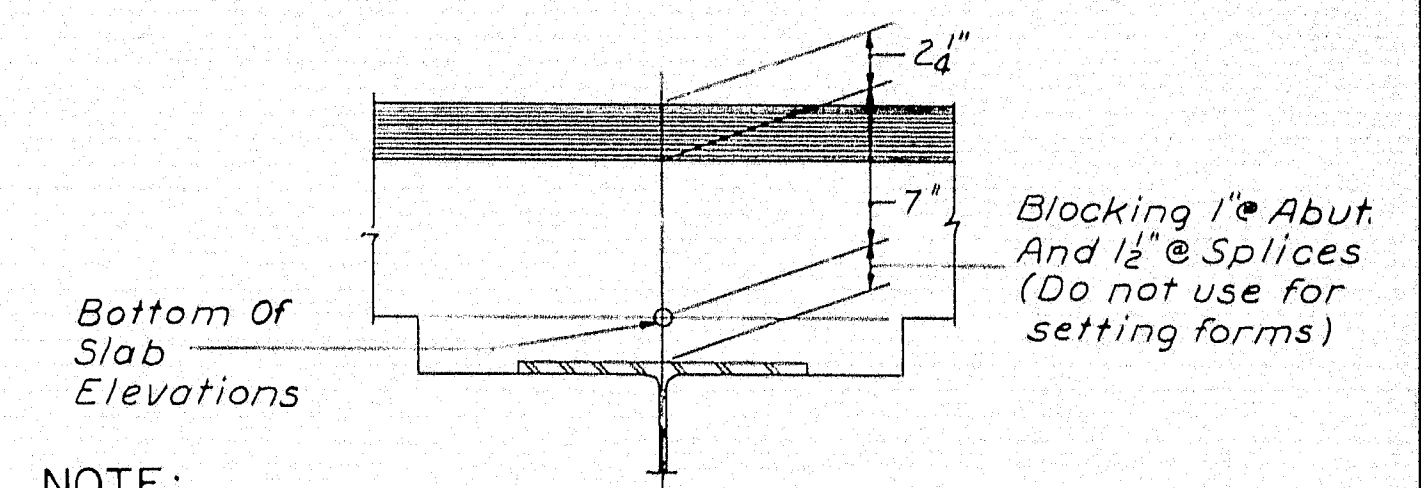


REFERENCE

Splice - See Standard Details BD103-64
Diaphragms - See Standard Details BD104-64
Pedestals - See Standard Details BD101-64
Expansion Dam - See Standard Details BD105-64
Armored Joint - See Standard Details BD104-64
Shear Connectors - See Standard Details BD104-64

SPECIFICATIONS

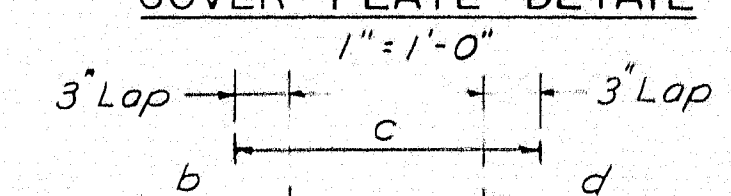
Fabrication and Erection: State of Maine
Standard Specifications, Highways and
Bridges, Revision of Jan. 1956 and Supplemental
Specifications of Feb. 1960.
Design and Detail: A.A.S.H.O. Standard Specifications
for Highway Bridges of 1961, and Interim Specifications
1961, 1962, 1963, 1964.
Materials: Except as otherwise noted on the standard
details, all materials shall conform to A.S.T.M.
designation A-36.



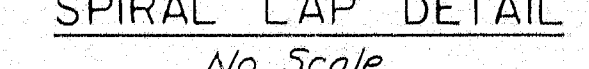
SHEAR CONNECTOR SPACING

	2 studs 5" x 3/4"	Spirals 5" x 3/4"
a	18 @ 4 1/2" - G' 9"	Double 15 @ 5 1/2" - G' 10 1/2"
b	15 @ 5 1/2" - G' 10 1/2"	Double 12 @ 7" - G' 10"
c	12 @ 6 1/2" - G' 10"	Single 20 @ 4" - G' 8"
d	10 @ 8 1/2" - G' 11"	Single 15 @ 5 1/2" - G' 10 1/2"
e	8 @ 9" - G' 10"	Single 15 @ 5 1/2" - G' 10 1/2"
f	12 @ 7" - G' 10"	Single 18 @ 4 1/2" - G' 9"
g	14 @ 5 1/2" - G' 10"	Double 11 @ 7 1/2" - G' 10 1/2"
h	17 @ 4 1/2" - G' 10"	Double 22 @ 5 1/2" - G' 10"
i	9 @ 4" - G' 10"	Double 14 @ 5 1/2" - G' 10"
j	17 @ 4" - G' 10"	Double 14 @ 5 1/2" - G' 10"
k	20 @ 5" - G' 10"	Double 15 @ 6 1/2" - G' 11 1/2"
l	16 @ 6" - G' 10"	Single 24 @ 4" - G' 8"
m	12 @ 8" - G' 10"	Single 20 @ 5" - G' 10"
x	10' - 0"	9' - 9"
y	10' - 0"	10' - 0"

COVER PLATE DETAIL

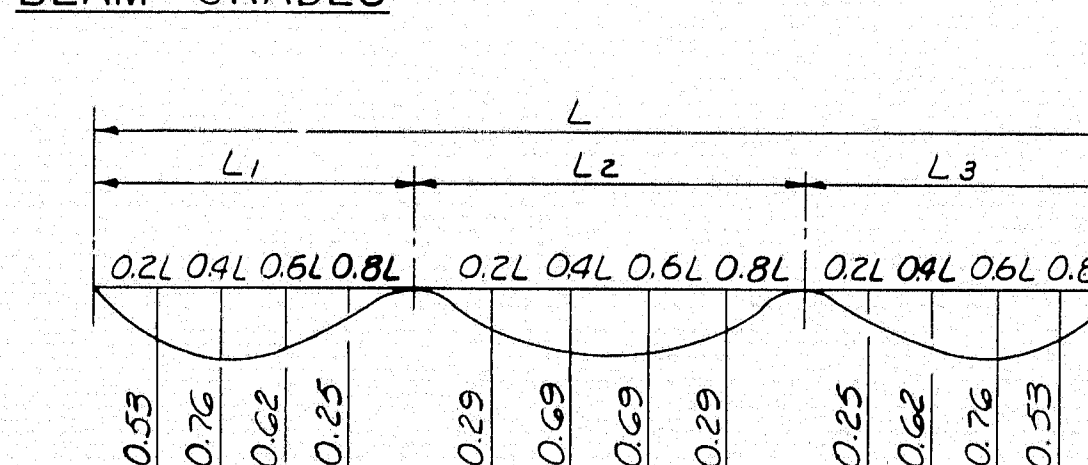


SPIRAL LAP DETAIL



BOTTOM OF SLAB ELEVATIONS AT BLOCKING POINTS																
Line	Q Brg. Abut. No. 1	SPAN NO. 1				Q Pier No. 1	SPAN NO. 2				Q Pier No. 2	SPAN NO. 3				Q Brg. Abut. No. 2
		13'-2 3/8"	26'-4 1/2"	39'-7 1/8"	52'-9 1/2"		16'-0"	32'-0"	48'-0"	64'-0"		13'-2 3/8"	26'-4 1/2"	39'-7 1/8"	52'-9 1/2"	
Line 1	677.56	677.49	677.40	677.26	677.11	676.95	676.78	676.61	676.40	676.15	675.88	675.69	675.50	675.28	675.03	674.74
Line 2	677.68	677.61	677.51	677.38	677.21	677.05	676.89	676.71	676.50	676.24	675.97	675.78	675.58	675.36	675.10	674.81
Line 3	677.80	677.73	677.62	677.49	677.32	677.16	676.99	676.81	676.59	676.33	676.06	675.86	675.66	675.44	675.18	674.89
Line 4	677.61	677.54	677.44	677.29	677.13	676.96	676.79	676.60	676.38	676.11	675.84	675.64	675.44	675.21	674.95	674.65
Line 5	677.43	677.35	677.24	677.10	676.93	676.76	676.58	676.40	676.17	675.90	675.63	675.42	675.22	674.99	674.72	674.42

DEAD LOAD DEFLECTION DIAGRAM



NOTE

Shear connectors to be placed perpendicular to & of stringer.

HOWARD, NEEDLES, TAMMEN & BERGENDOFF
CONSULTING ENGINEERS

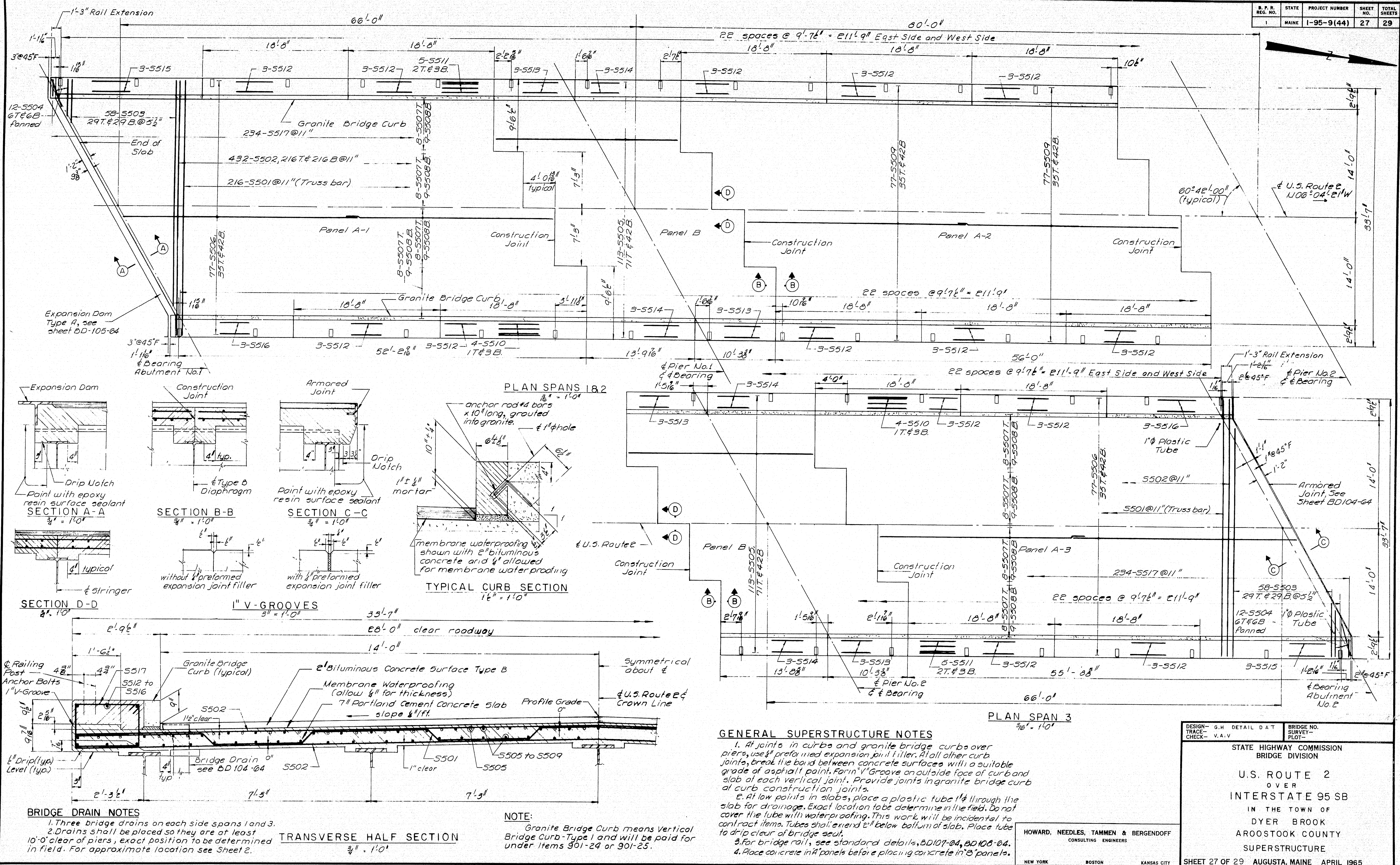
NEW YORK BOSTON KANSAS CITY

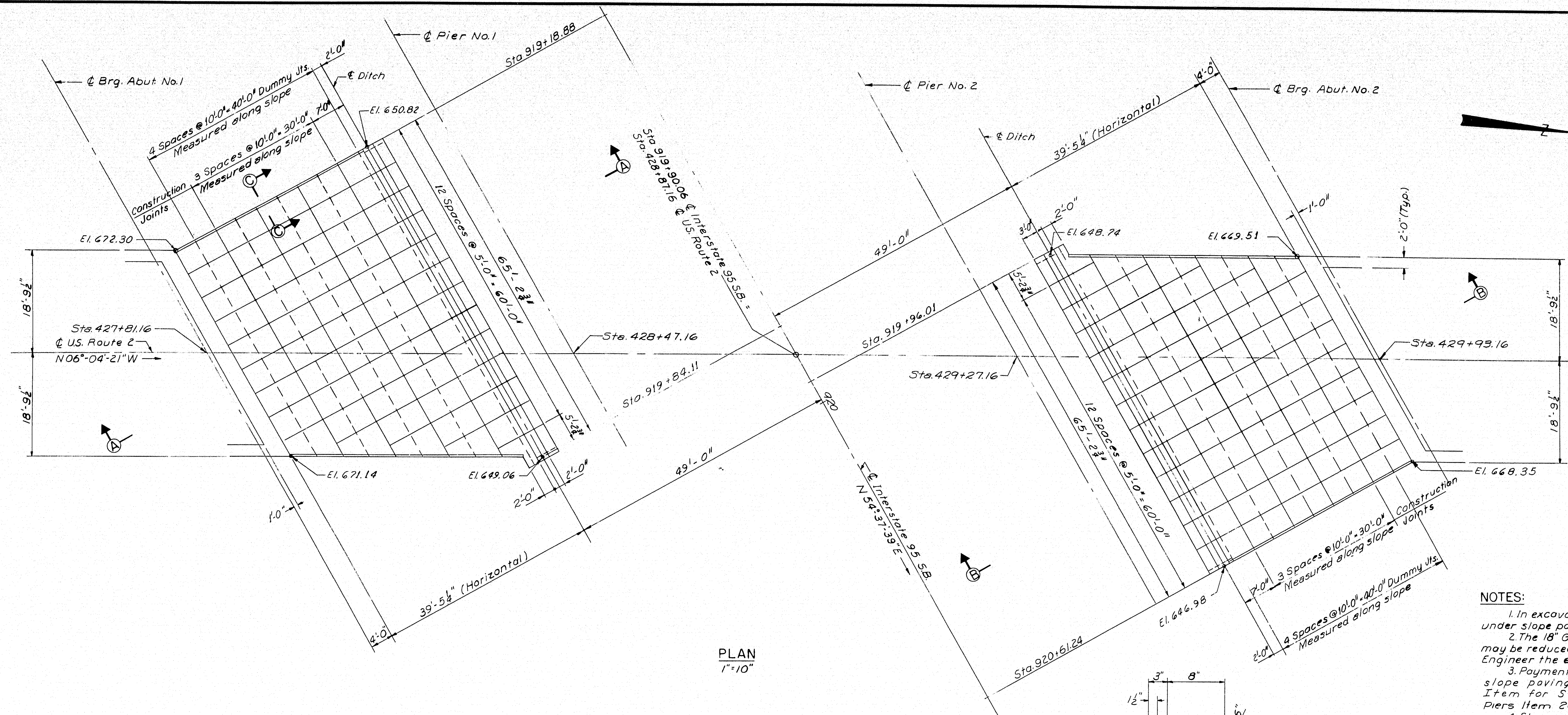
STATE HIGHWAY COMMISSION
BRIDGE DIVISION

U.S. ROUTE 2
OVER
INTERSTATE 95 SB.
IN THE TOWN OF
DYER BROOK
AROSTOOK COUNTY
STRUCTURAL STEEL & BLOCKING

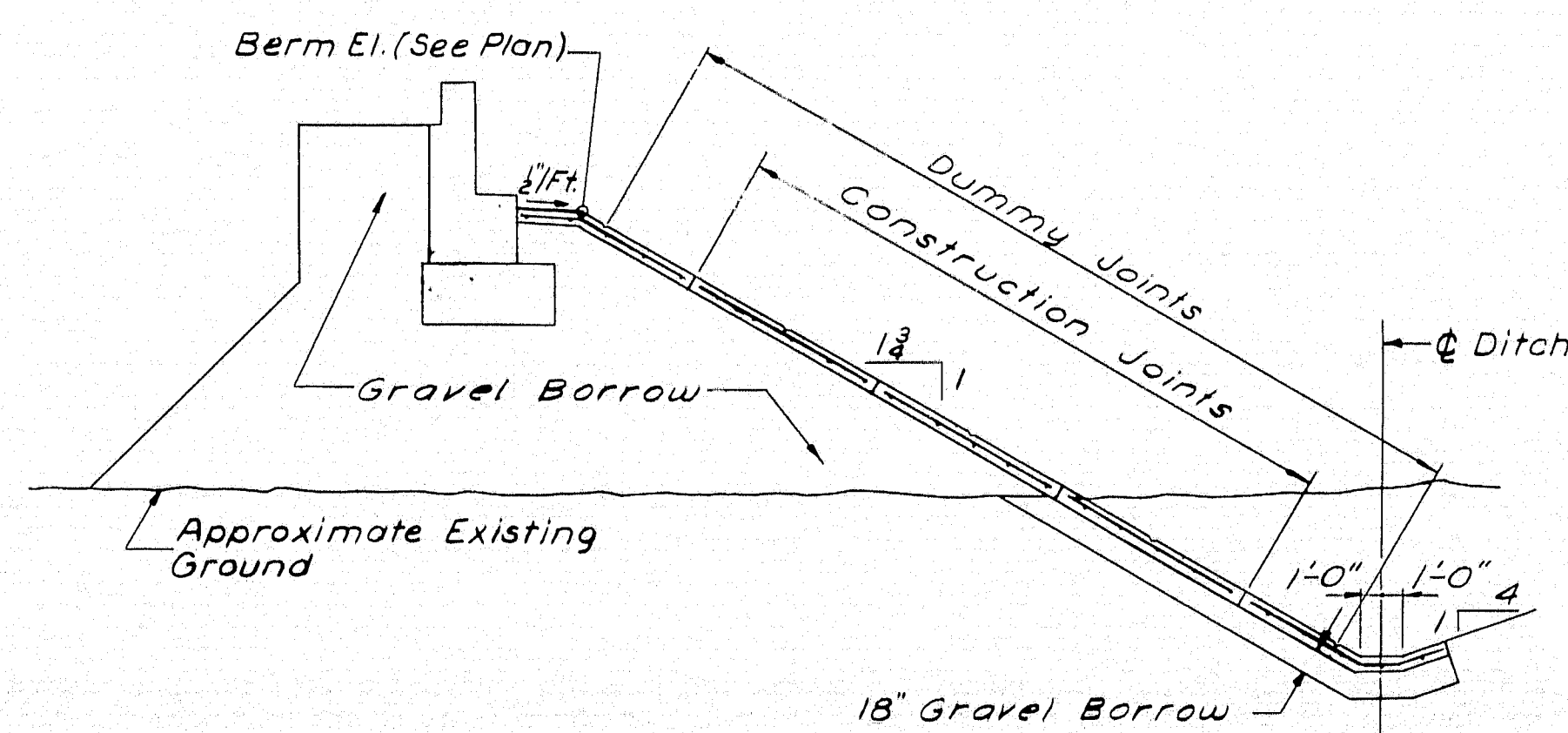
SHEET 26 OF 29 AUGUSTA, MAINE APRIL 1965

97-35 DYER BROOK (44)

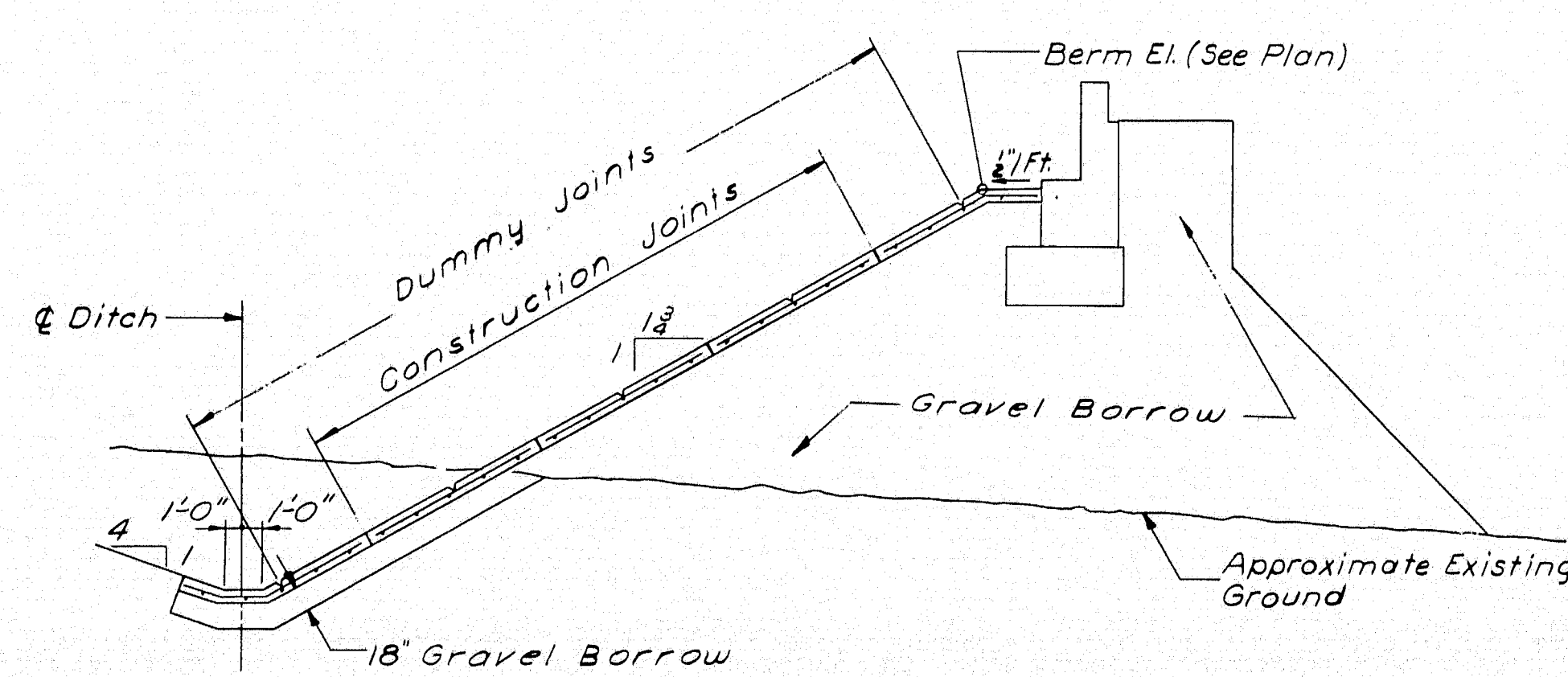




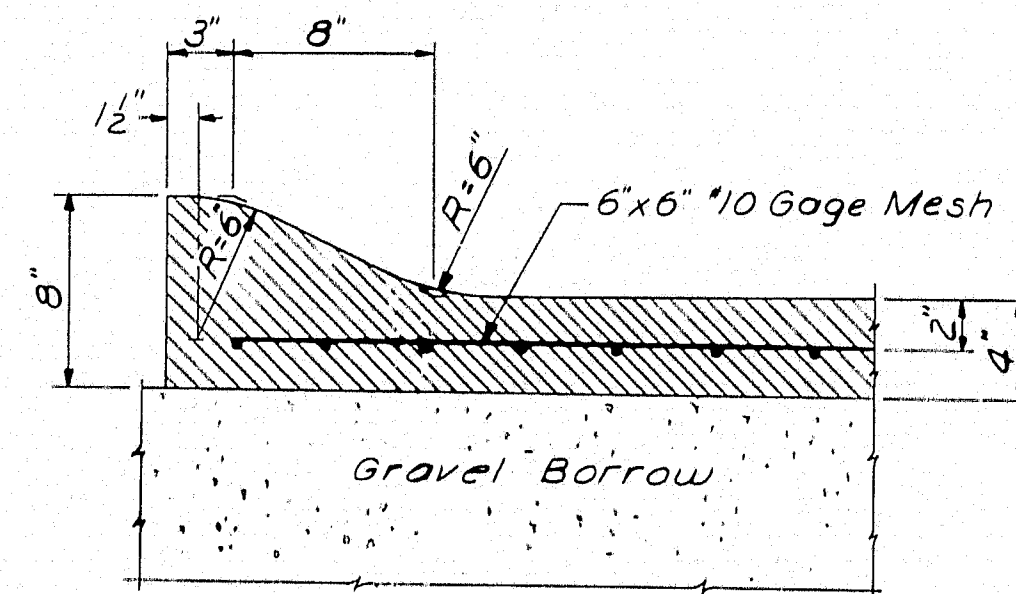
PLAN
1"=10'



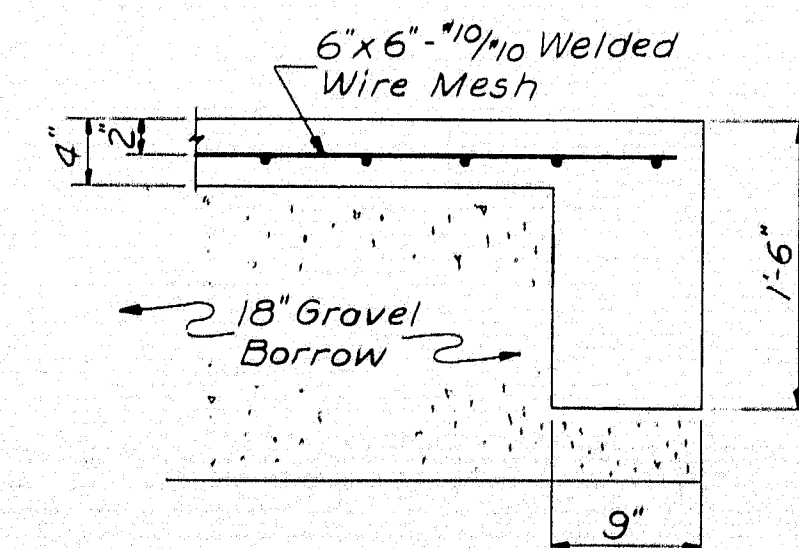
SECTION A-A
3/8"=1'-0"



SECTION B-B
3/8"=1'-0"



SECTION C-C
1/2"=1'-0"



SECTION D-D
1/2"=1'-0"

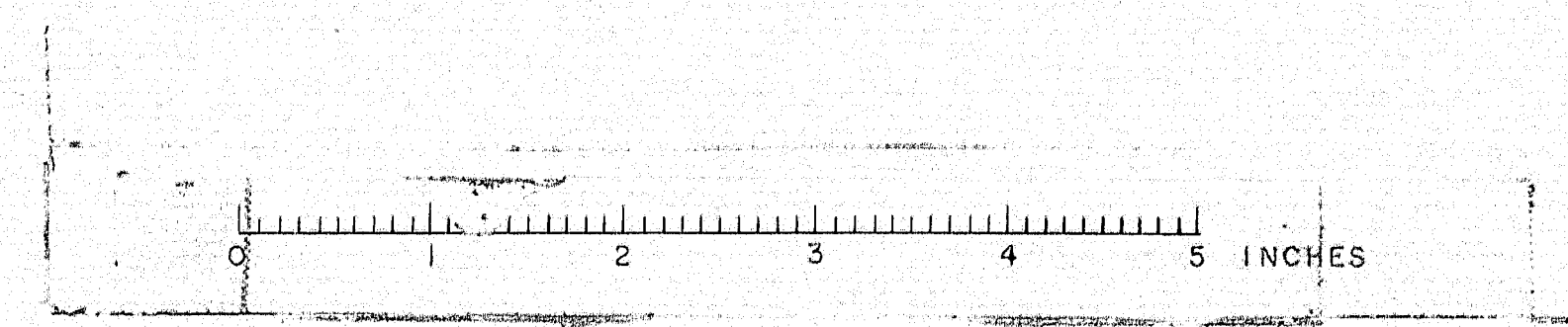
NOTES:

1. In excavation provide 18" of Gravel Borrow under slope paving.
2. The 18" Gravel Borrow under slope paving may be reduced or omitted, if in the opinion of the Engineer the existing material is suitable.
3. Payment for any excavation required for slope paving will be made under the Item for Structural Earth Excavation, Piers Item 204-14.
4. Slope paving shall conform to section 808 of the Supplemental Specifications dated February 1960 and as modified in October 1964.
5. Break bond at construction joints with a coat of Asphalt Paint.
6. Reinforce with #10 gage 6"x6" steel mesh, not to pass through construction joints.
7. Dummy joints shall be made with a sidewalk edging tool to a depth of 4".

DESIGN- TRACE- CHECK- PRN.	DETAIL R/D	BRIDGE NO. SURVEY- PLOT-
STATE HIGHWAY COMMISSION BRIDGE DIVISION		
U S ROUTE 2 OVER INTERSTATE 95 S.B. IN THE TOWN OF DYER BROOK ARROOSTOOK COUNTY SLOPE PAVING		
HOWARD, NEEDLES, TAMMEN & BERGENDORFF CONSULTING ENGINEERS NEW YORK BOSTON KANSAS CITY		

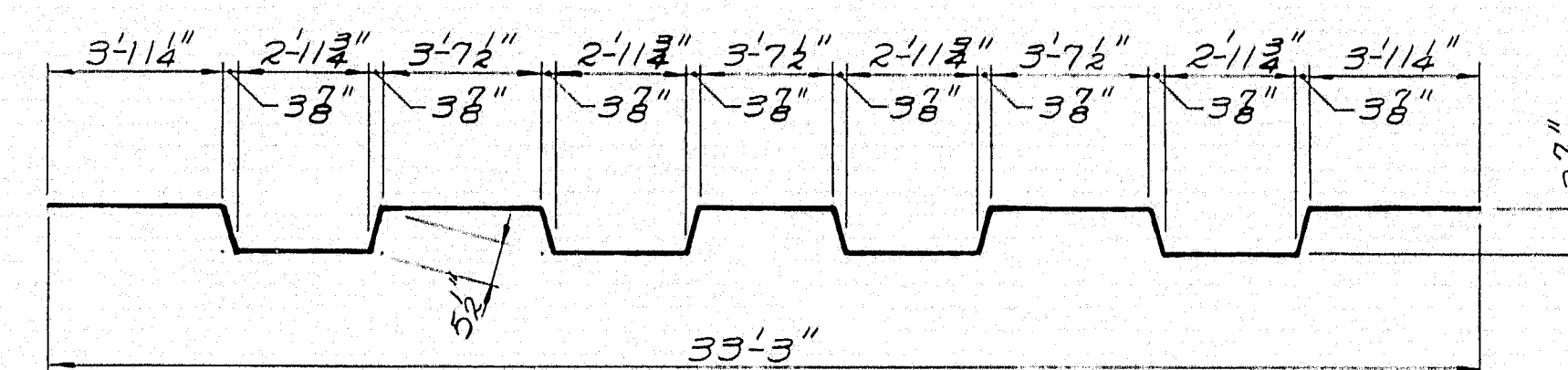
SHEET 28 OF 29 AUGUSTA, MAINE APRIL 1965

97-37 DYER BROOK (44)

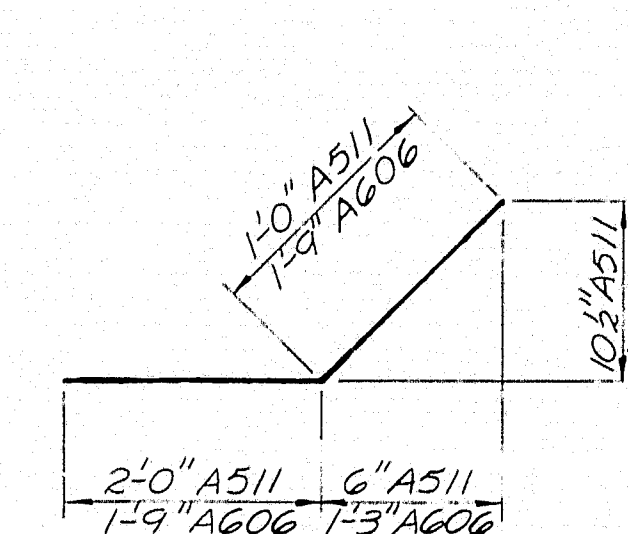


MARK	SIZE	NUMBER	LENGTH	INCR	LOCATION
ABUTMENTS 1 & 2					
STRAIGHT BARS			<i>Totals are for two Abutments</i>		
A401	4	12	34'-0"		Backwall
A402	4	44	11'-8"		Wingwalls
A403	4	40	1'-8"		End Post
A501	5	96	4'-10"		Backwall
A502	5	12	37'-0"		Stem
A503	5	8	34'-0"		Stem
A504	5	44	9'-0"		Footings & Stem
A505	5	52	2'-9"		Stem
A506	5	96	2'-6"		Footings & Stem
A507	5	4	7'-5"		Footings & Stem
A508	5	84	10'-10"		Wingwalls
A509	5	18	4'-0"		Stem, Wingwall
A513	5	48	13'-8"		Wingwalls
A601	6	10	5'-6"		Footings
A602	6	10	7'-0"		"
A603	6	12	34'-0"		"
A604	6	86	5'-6"		"
A605	6	46	3'-10"		Footings
BENT BARS					
A404	4	20	4'-4"		Pads
A405	4	20	5'-2"		Pads
A406	4	16	9'-0"		End Post
A407	4	6	4'-6"		Wingwall
A408	4	6	4'-6"		"
A409	4	48	5'-0"		Wingwall
A510	5	52	9'-6"		Stem
A511	5	8	3'-0"		Stem & Walls
A512	5	8	6'-4"		Stem & Walls
A606	6	44	3'-6"		Approach Slab Seat
APPROACH SLABS					
STRAIGHT BARS					
A5401	4	36	30'-6"		Approach Slab
A5601	6	216	14'-6"		Approach Slab
PIER 1					
STRAIGHT BARS					
P602	6	2	36'-2"		Pier Cap
P603	6	2	35'-0"		Pier Cap
P604	6	58	5'-6"		Footings
P605	6	28	8'-6"		Footings
P801	8	4	36'-2"		Pier Cap
P802	8	8	11'-0"		"
P803	8	5	28'-6"		Pier Cap
P912	9	12	10'-0"		Column
P913	9	12	8'-0"		Column
P901	9	12	20'-0"		Column
P903	9	12	21'-6"		"
P905	9	12	22'-6"		Column
P908	9	44	5'-6"		Footings & Columns
P910	9	8	14'-0"		Column
P911	9	12	13'-0"		Column
BENT BARS					
P401	4	79	11'-4"		Column Ties
P501	5	4	10'-2"		Cap
P502	5	4	11'-0"		"
P503	5	4	11'-10"		"
P504	5	4	12'-6"		"
P505	5	58	12'-9"		Cap

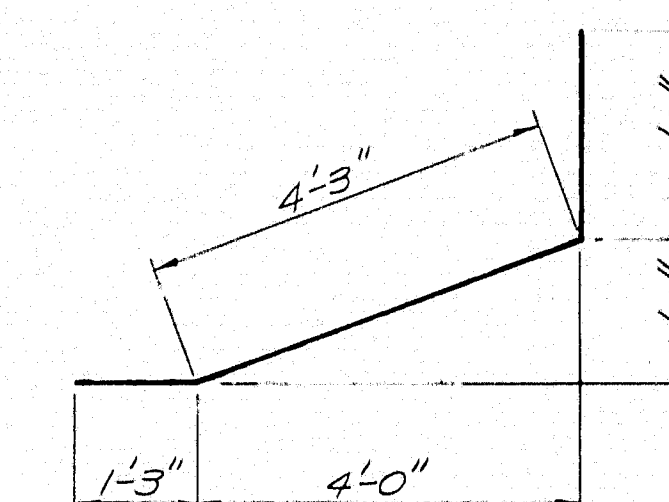
MARK	SIZE	NUMBER	LENGTH	INCR	LOCATION
PIER 2					
STRAIGHT BARS					
P602	6	2	36'-2"		Pier Cap
P603	6	2	35'-0"		Pier Cap
P604	6	21	5'-6"		Footings
P606	6	10	9'-6"		Pier Footings
P607	6	5	8'-0"		Pier Footings
P701	7	27	5'-6"		Footings-Cut from Orig. 7'-0"
P804	8	8	5'-6"		Pier Footings-Cut from 4-P 802
P702	7	22	9'-6"		Pier Footings
P801	8	4	36'-2"		Pier Cap
P802	8	4	11'-0"		"
P803	8	5	28'-6"		Pier Cap
P909	9	4	11'-0"		Pier Cap
P703	7	9	8'-0"		Pier Footings
P902	9	12	25'-6"		Column
P904	9	72	5'-6"		Footings & Column
P906	9	8	16'-0"		Column
P907	9	40	25'-0"		Column
P908	9	12	24'-6"		Column
P914	9	36	12'-10"		Column
P704	7	1	5'-6"		Footings
BENT BARS					
P401	4	99	11'-4"		Column Ties
P501	5	4	10'-2"		Cap
P502	5	4	11'-0"		"
P503	5	4	11'-10"		"
P504	5	4	12'-6"		"
P505	5	58	12'-9"		Cap
P601	6	8	7'-8"		Cap
SUPERSTRUCTURE					
STRAIGHT BARS					
S502	5	432	33'-9"		Slab Transverse
S503	5	116	6'-10"		"
S504	5	24	6'-0"		Slab Transverse
S505	5	226	23'-8"		Slab Longitudinal
S506	5	154	30'-0"		"
S507	5	64	24'-0"		"
S508	5	72	24'-0"		"
S509	5	154	27'-8"		"
S510	5	8	24'-0"		"
S511	5	10	28'-0"		Slab Longitudinal
S512	5	42	18'-4"		Curb
S513	5	12	9'-11"		"
S514	5	12	13'-5"		"
S515	5	6	19'-2"		"
S516	5	6	15'-8"		Curb
BENT BARS					
S501	5	216	34'-4"		Slab
S517	5	468	7'-2"		Curb



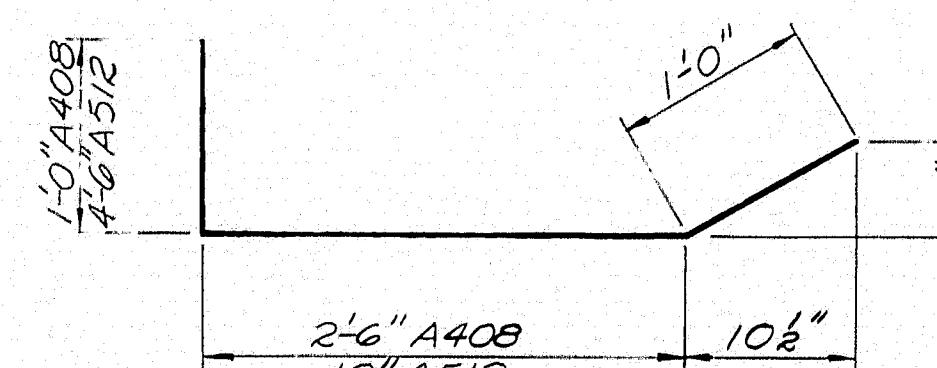
S501



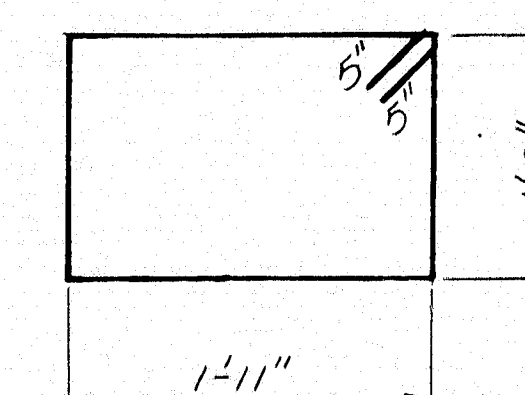
A511 & A606



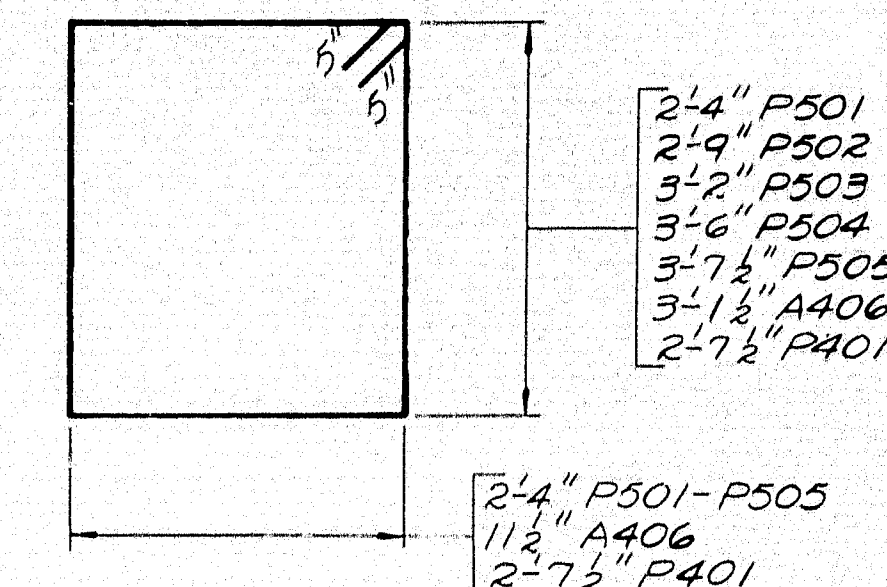
P601



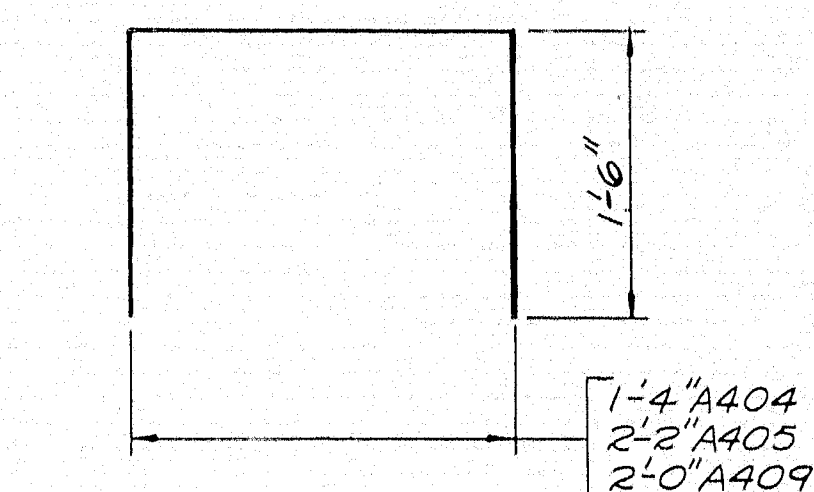
A408 & A512



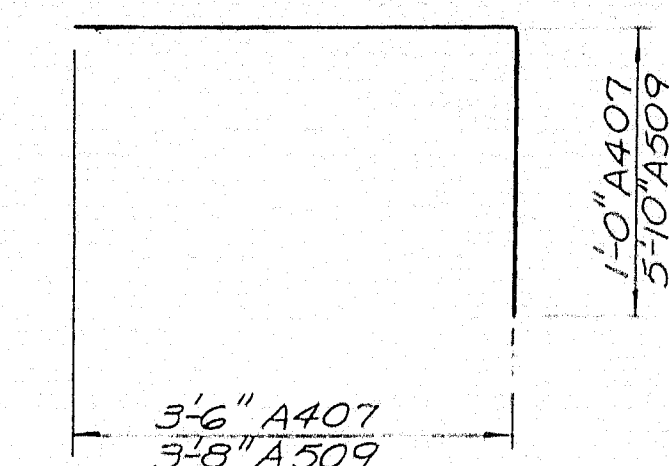
S517



P501-P505, A406 & P401



A404, A405 & A409



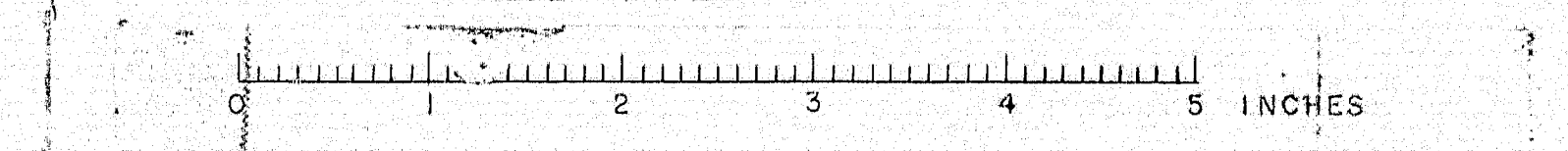
A407 & A509

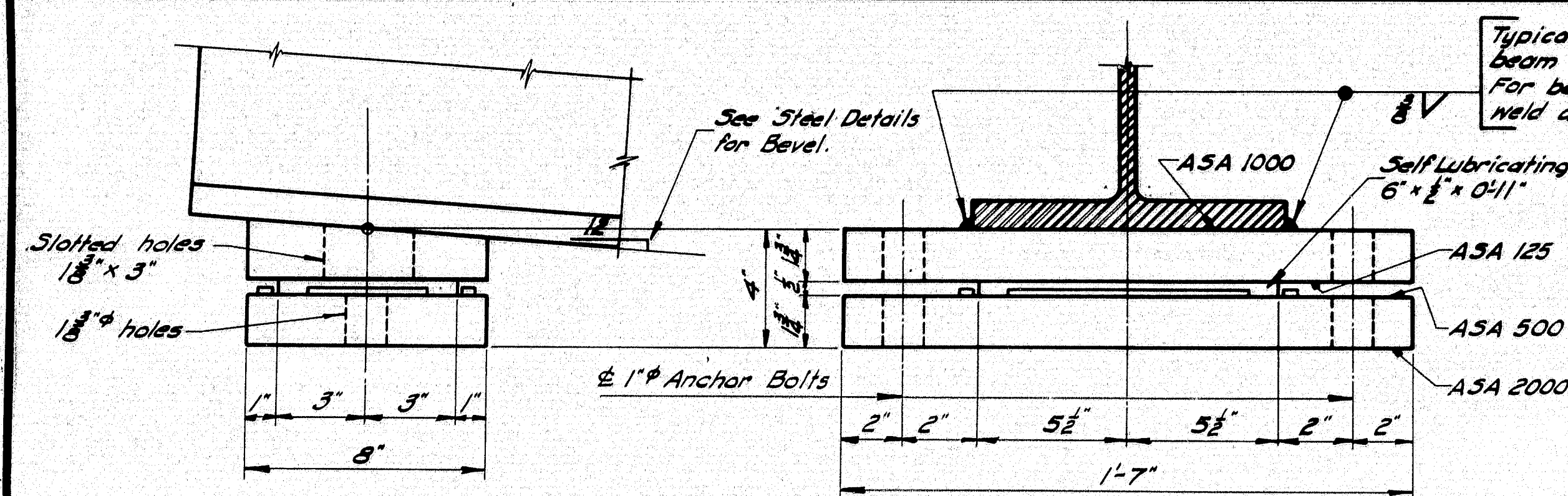
NOTES:
 1. All dimensions are to the center of bars.
 2. All reinforcing bars shall be intermediate grade steel.
 3. Reinforcing steel to have 2" minimum cover, unless otherwise shown.

DESIGN-G.H. DETAIL-R.O.L. BRIDGE NO. 1-95-9(44)
 TRACE-SURVEY PLOT-
 CHECK-C.V.A.
 STATE HIGHWAY COMMISSION
 BRIDGE DIVISION
 U.S. ROUTE 2
 OVER
 INTERSTATE 95
 IN THE TOWN OF
 DYER BROOK
 AROOSTOOK COUNTY
 REINFORCING STEEL
 SHEET 29 OF 29 AUGUSTA, MAINE APRIL 1965

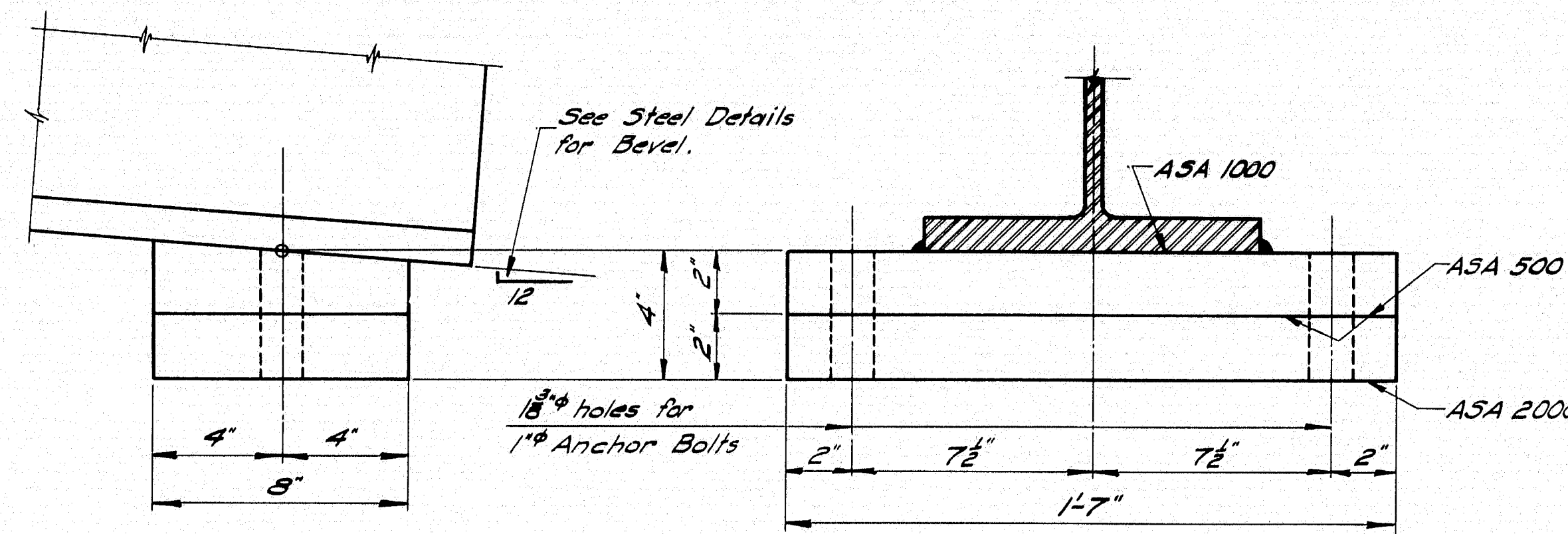
Revised 11-30-65
 HOWARD, NEEDLES, TAMMEN & BERGENDOFF
 CONSULTING ENGINEERS
 NEW YORK BOSTON KANSAS CITY

97-38 DYER BROOK (44)

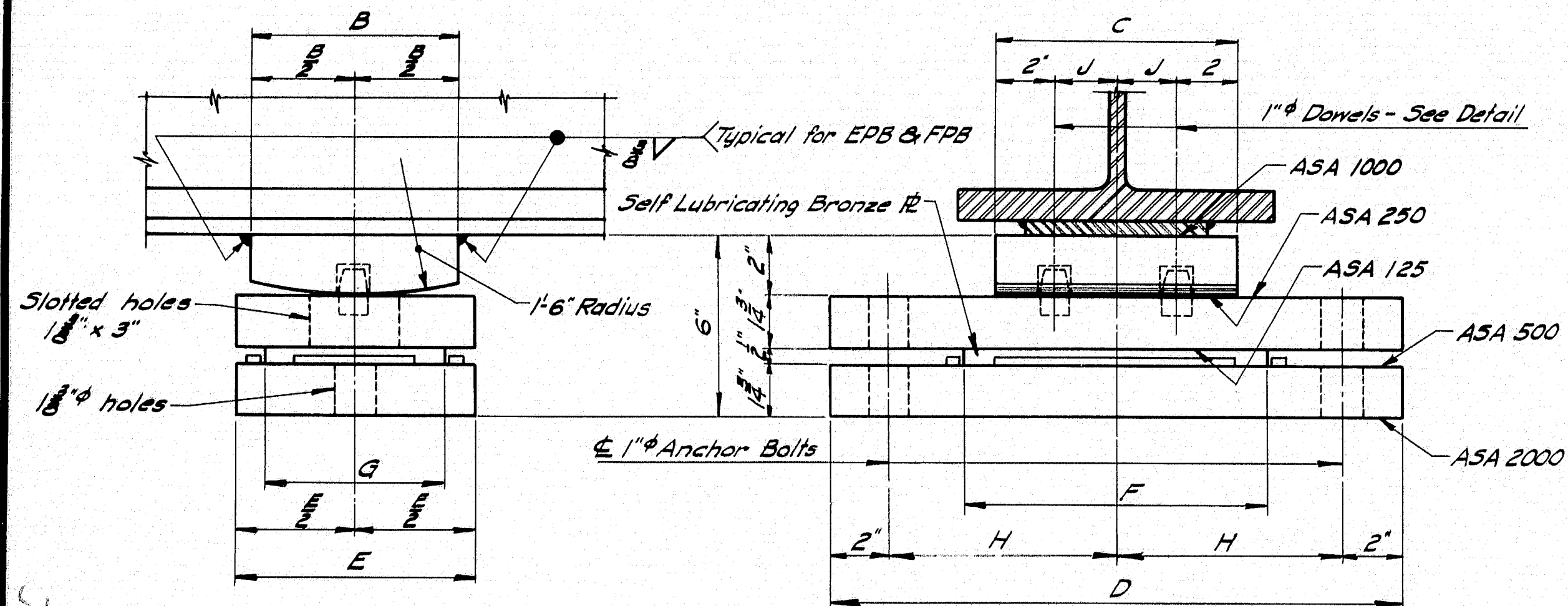




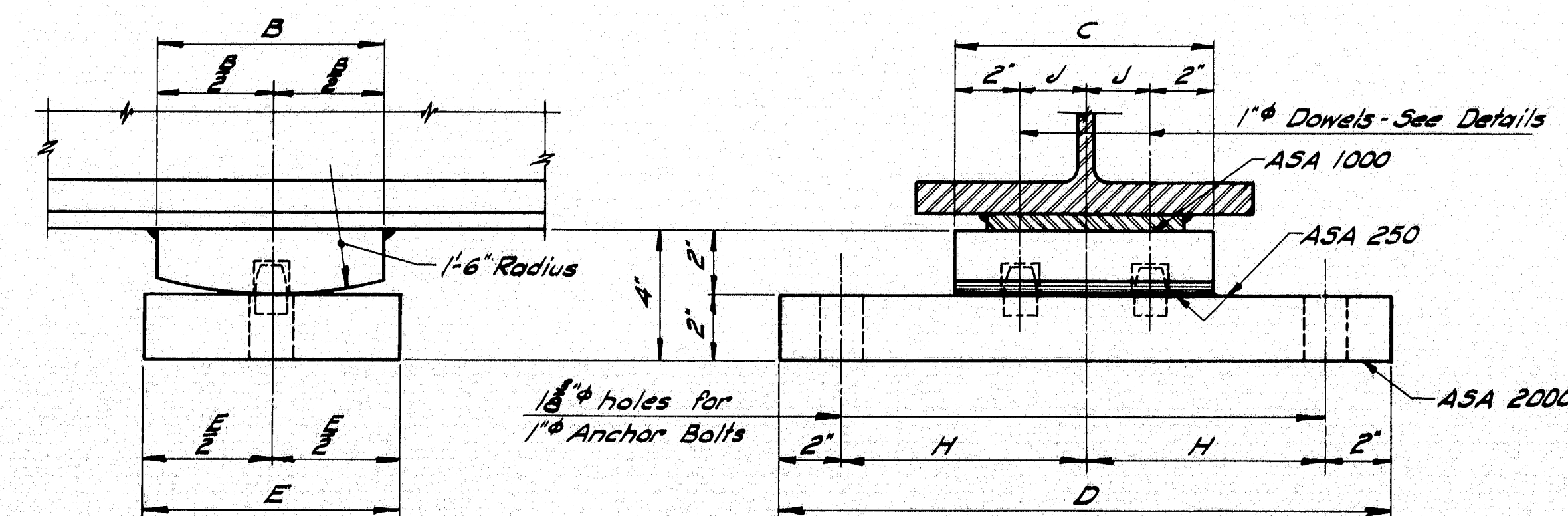
EXPANSION PEDESTAL - EPA



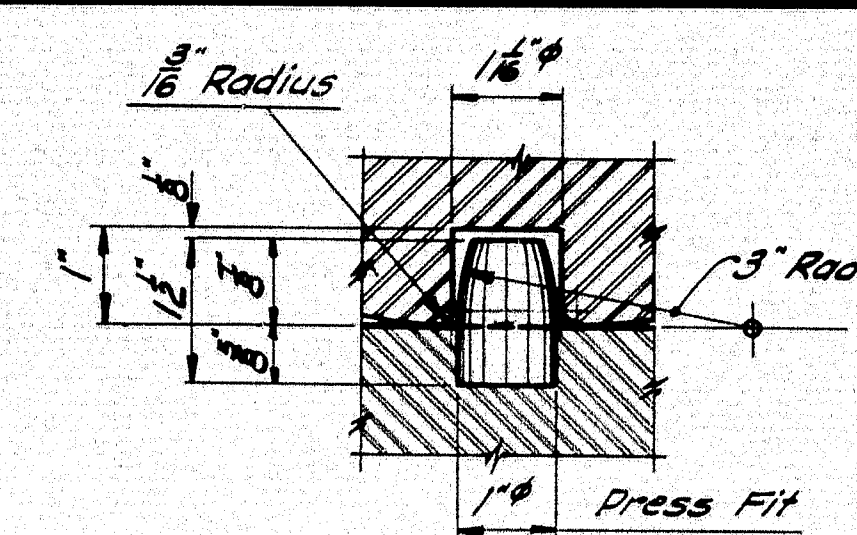
FIXED PEDESTAL - FPA



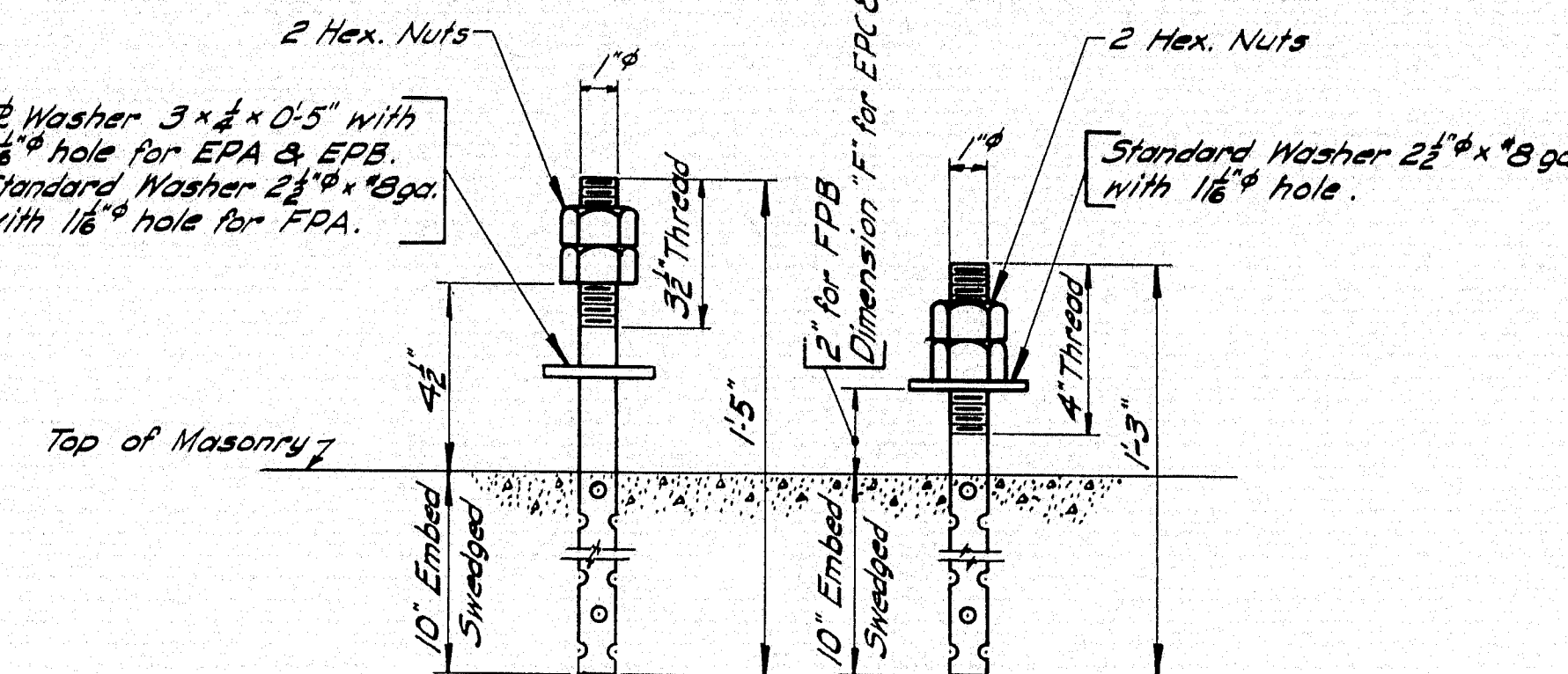
EXPANSION PEDESTAL - EPB



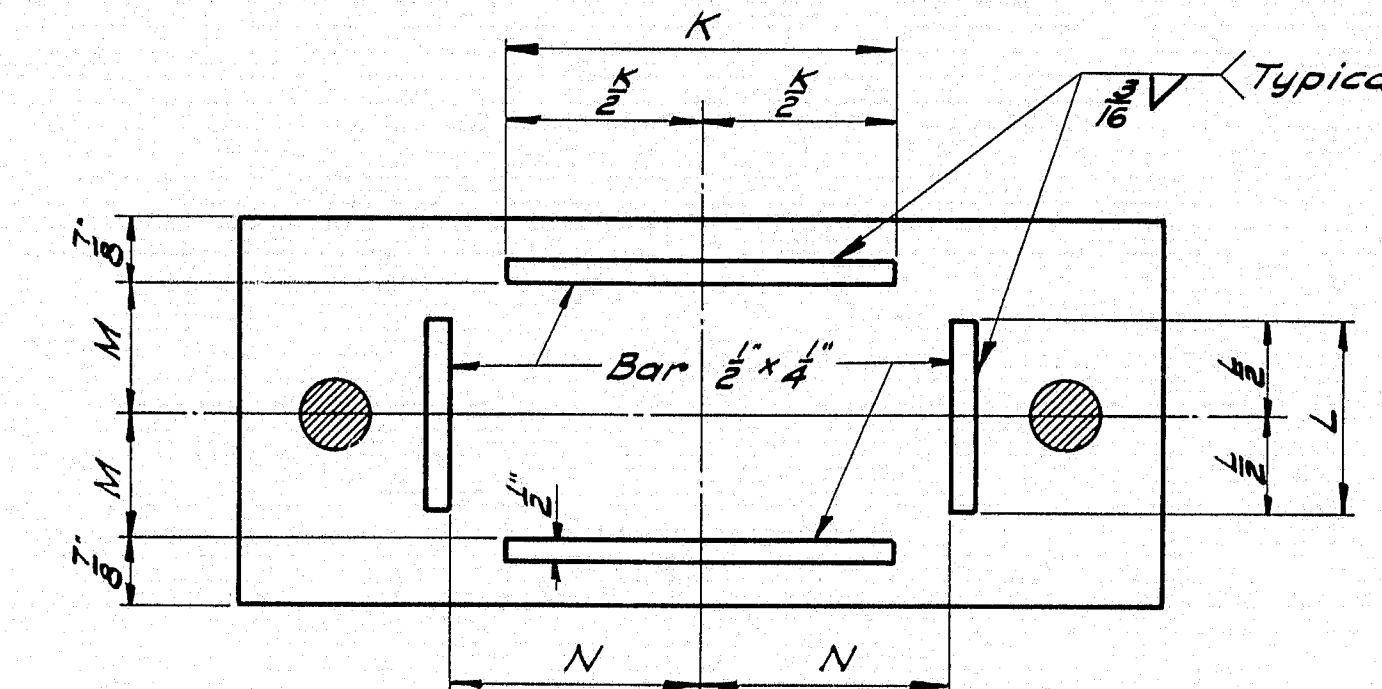
FIXED PEDESTAL - FPB



DOWEL DETAIL

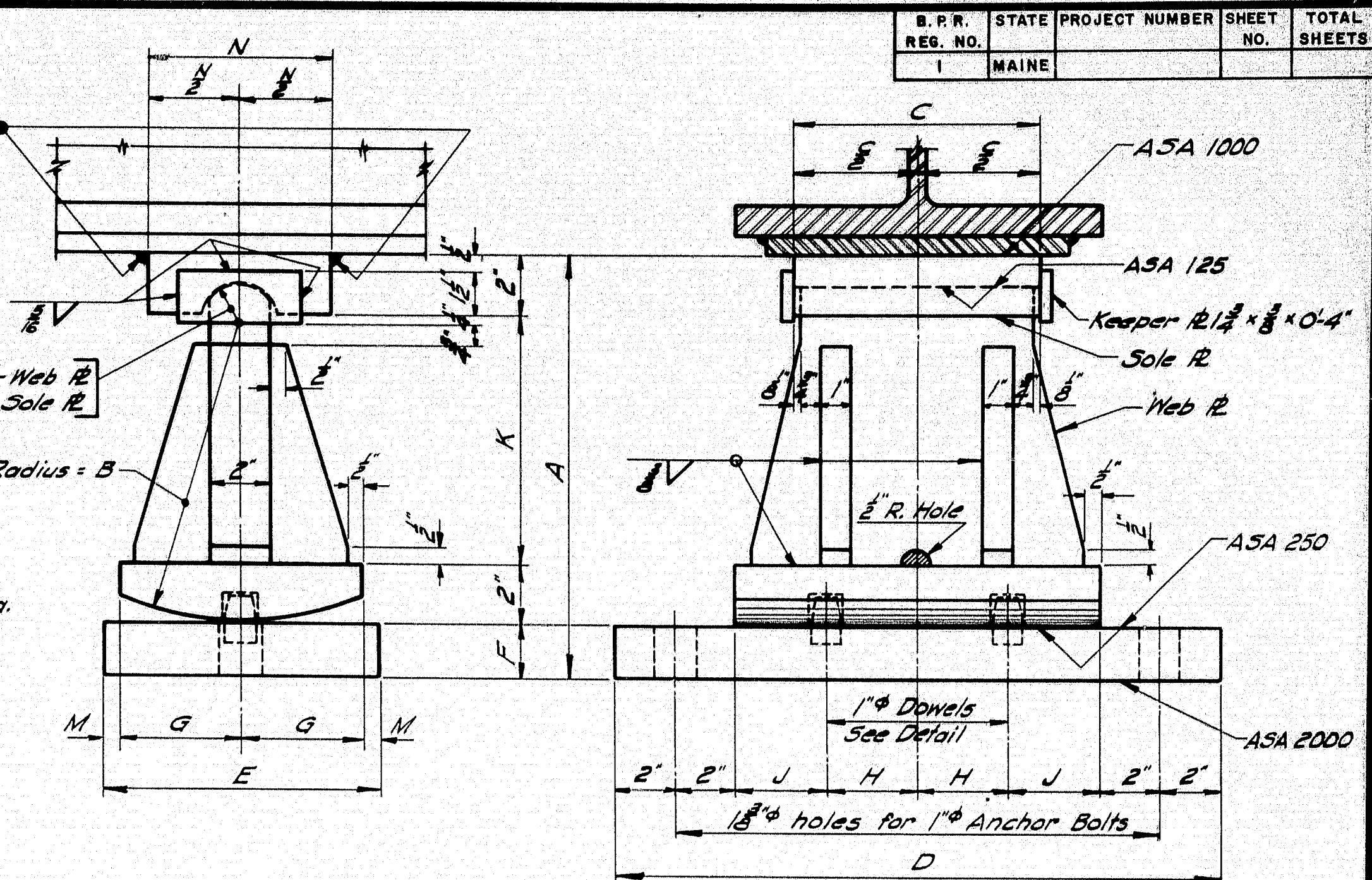


ANCHOR BOLT DETAIL

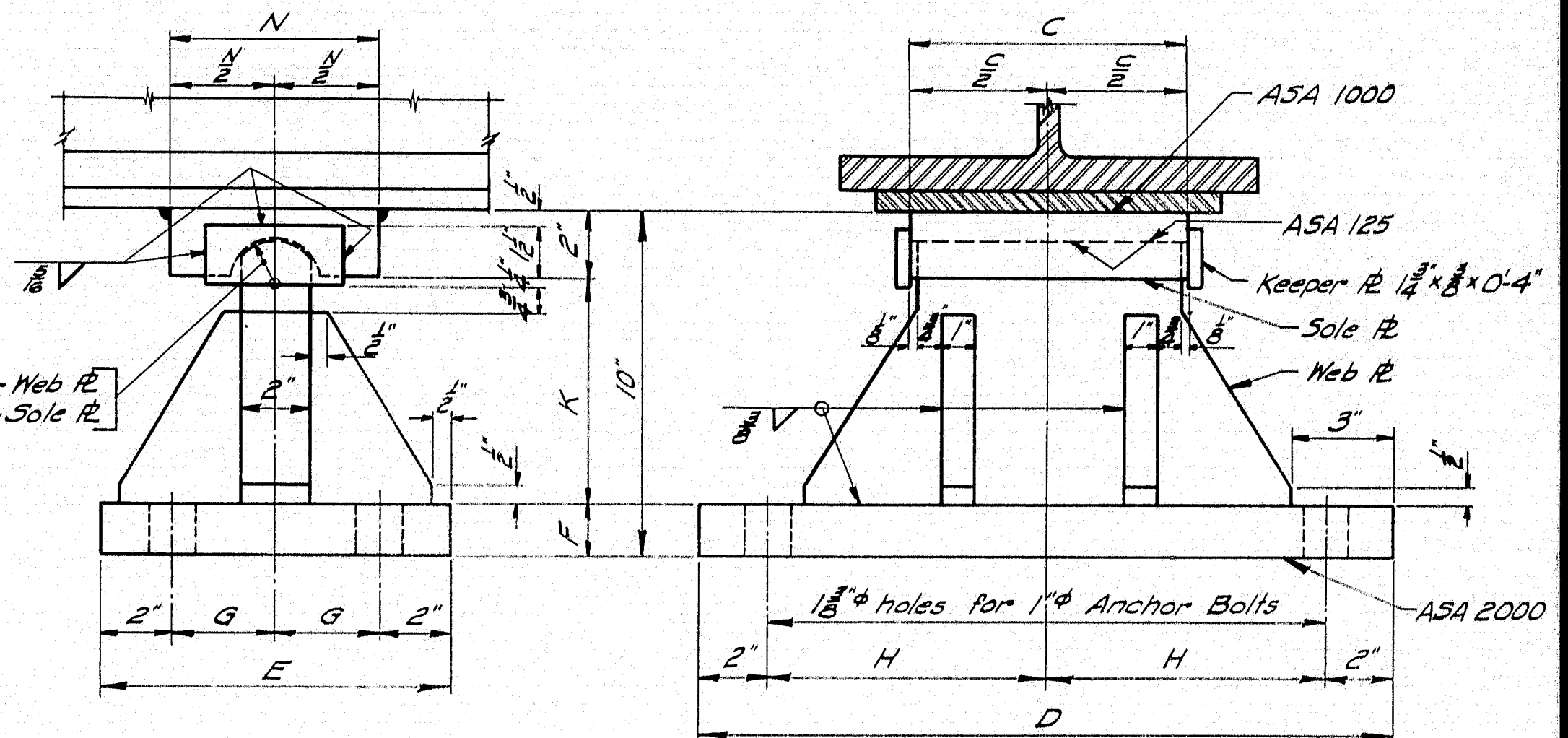


MASONRY PLATE

PEDESTALS - ALLOWABLE LOADS & DIMENSIONS													
Pedestal	Load	A	B	C	D	E	F	G	H	J	K	L	N
EPA	132K	-	-	-	-	-	-	-	-	8"	4"	3 1/2"	5 1/2"
FPA	150K	-	-	-	-	-	-	-	-	-	-	-	-
EPB-1	120K	-	6"	8"	1-7"	8"	10"	6"	7 1/2"	2"	8"	4"	3 1/2"
EPB-2	165K	-	7"	10"	1-8"	9"	1-0"	7"	8"	3"	10"	5"	3 1/2"
EPB-3	224K	-	8"	1-1"	2-0"	10"	1-4"	7"	10"	4 1/2"	1-2"	5"	3 1/2"
EPB-4	120K	-	6"	8"	1-7"	8"	-	-	7 1/2"	2"	-	-	-
FPB-1	120K	-	6"	8"	1-7"	8"	-	-	7 1/2"	2"	-	-	-
FPB-2	165K	-	7"	10"	1-8"	9"	-	-	8"	3"	-	-	-
FPB-3	224K	-	8"	1-1"	2-0"	10"	-	-	10"	5"	-	-	-
EPC-1	70K	9 1/2"	6"	8"	1-8"	8"	1-2"	3 1/2"	3"	3"	4 1/2"	-	1/2"
EPC-2	100K	11 1/2"	8"	8"	1-8"	8"	1-2"	3 1/2"	3"	3"	6 1/2"	-	1/2"
EPC-3	130K	1-2"	10"	8"	1-8"	9"	1-2"	4"	3"	3"	8 1/2"	-	1/2"
EPC-4	160K	1-2"	10"	8"	1-10"	9"	1-2"	4"	3"	3"	8 1/2"	-	1/2"
EPC-5	190K	1-2 1/2"	10"	9"	2-0"	10"	2"	4 1/2"	5"	3"	8 1/2"	-	1/2"
EPC-6	220K	1-4 1/2"	1-0"	10"	2-0"	1-0"	2 1/2"	5"	5"	3"	10 1/2"	-	1"
EPC-7	250K	1-4 1/2"	1-0"	1-0"	2-2"	1-0"	2 1/2"	5"	5"	4"	10 1/2"	-	1"
FPC-1	100K	-	-	8"	1-8"	9"	1-2"	3 1/2"	8"	-	6 1/2"	-	1"
FPC-2	160K	-	-	8"	1-8"	10"	1-2"	3"	8"	-	6 1/2"	-	1"
FPC-3	190K	-	-	9"	2-0"	10"	1-2"	3"	10"	-	6 1/2"	-	1"
FPC-4	220K	-	-	10"	2-0"	1-0"	1-2"	4"	10"	-	6 1/2"	-	1"
FPC-5	250K	-	-	1-0"	2-0"	1-0"	2"	4"	10"	-	6"	-	1"



EXPANSION PEDESTAL - EPC



FIXED PEDESTAL - FPC

NOTE: At the location of bearing pedestals the concrete bridge seats shall be dressed one inch larger all around than size of masonry plates and to exact elevations shown on the plans. If dressed areas are below the surface of the surrounding bridge seat a small channel shall be cut to the edge of the bridge seat for drainage where required by the Engineer. Channels shall have a min. width of 2" and min. slope of 1/8" per foot. No separate payment for this work will be made as it shall be considered incidental to contract items.

DESIGN SPECIFICATIONS

A.A.S.H.O., Standard Specifications for Highway Bridges, 1961, with Interim Specifications, 1961 & 1962

A.S.T.M. STEEL CLASSIFICATION

Anchor Bolts - A7, A36, or A307

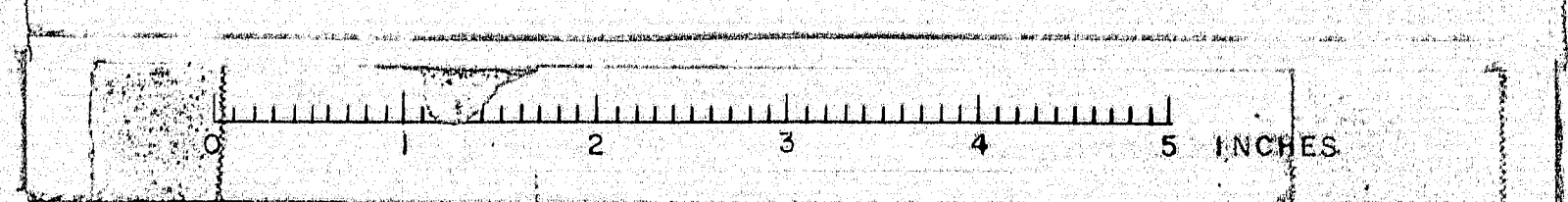
All other - A36

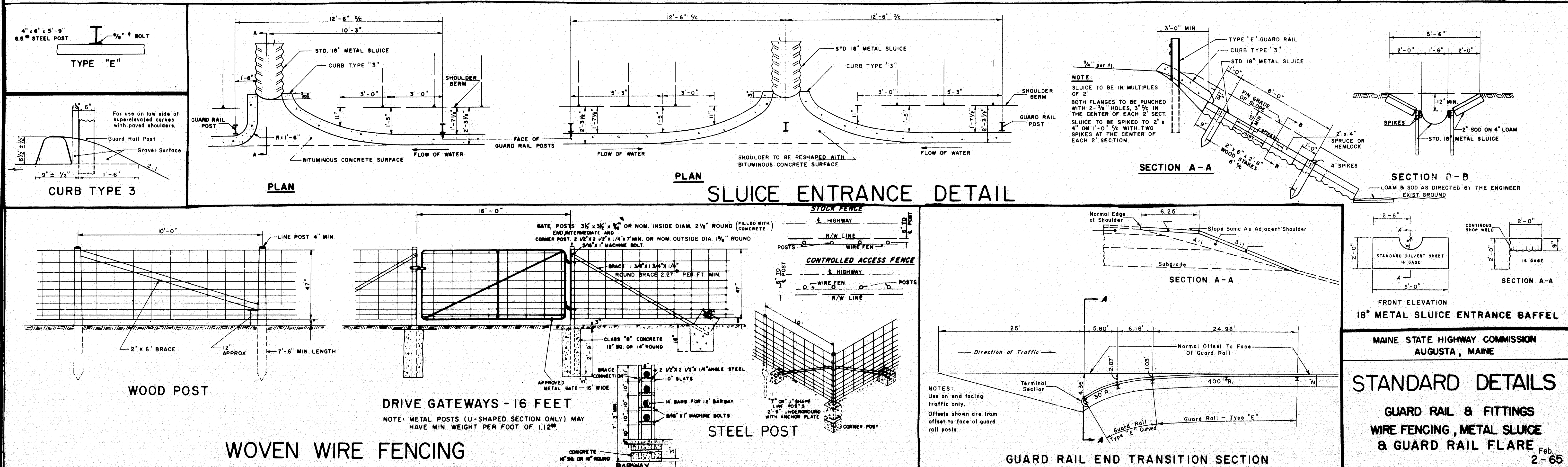
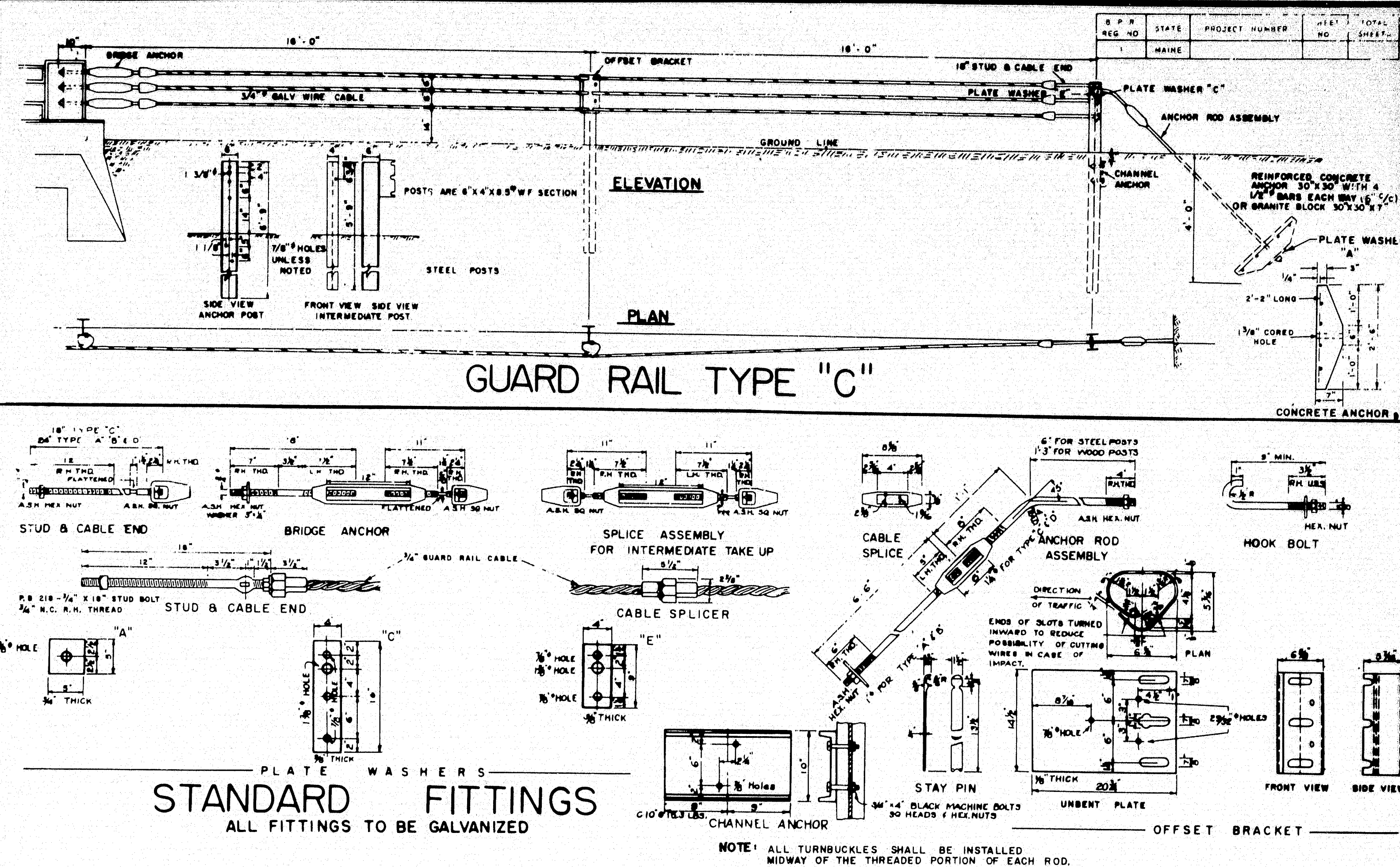
MAINE STATE HIGHWAY COMMISSION
AUGUSTA, MAINE

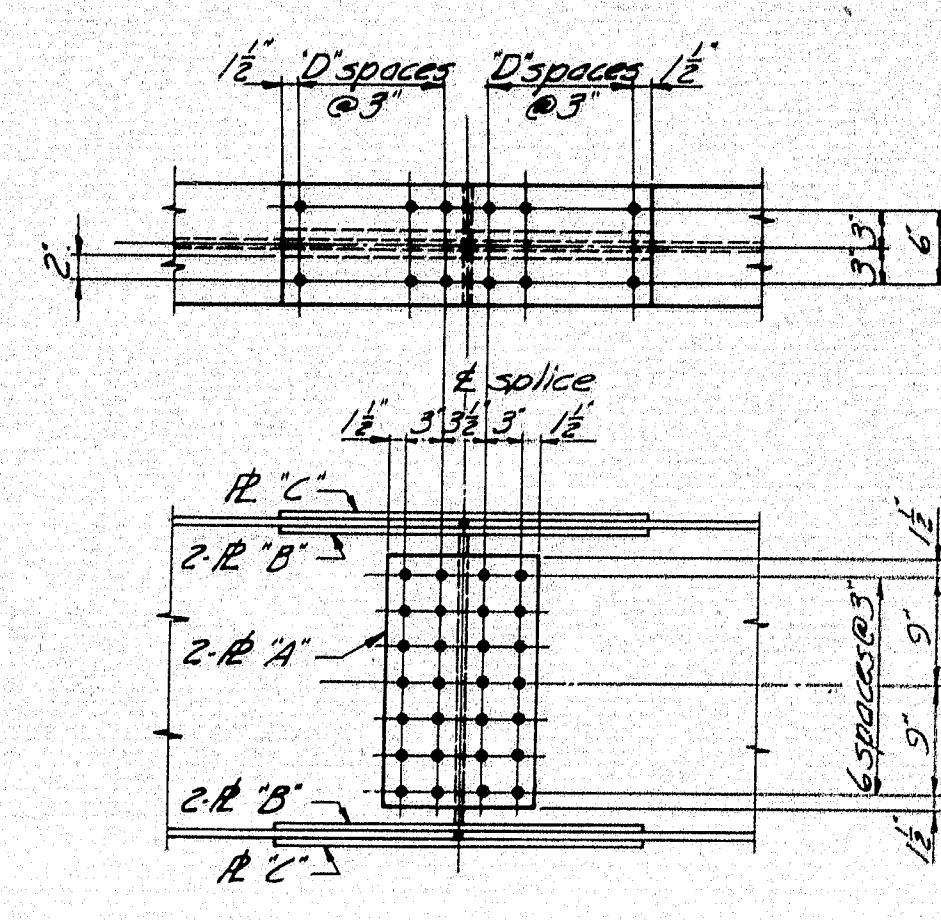
STANDARD DETAILS

(BD 101-64)

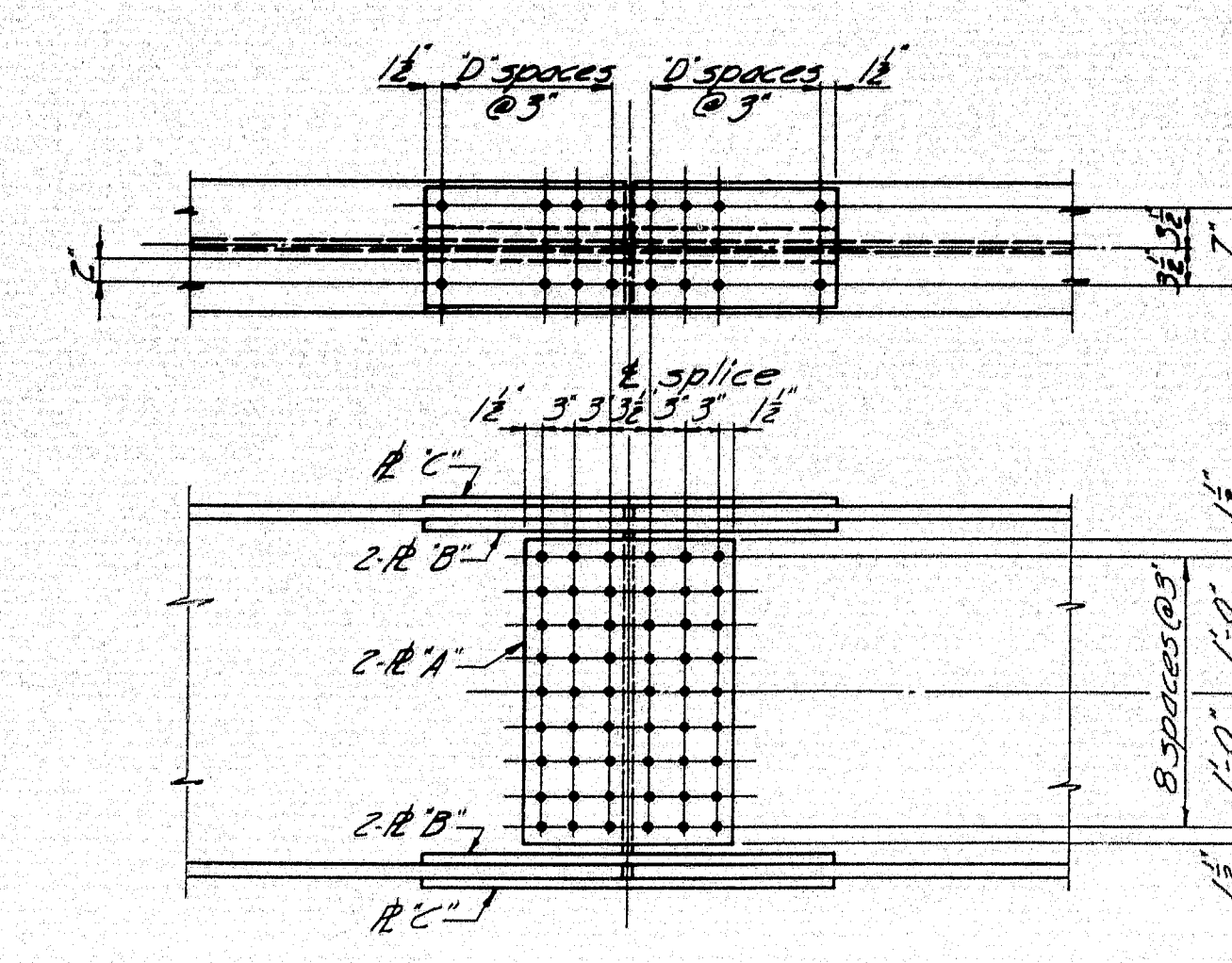
BEARING PEDESTALS



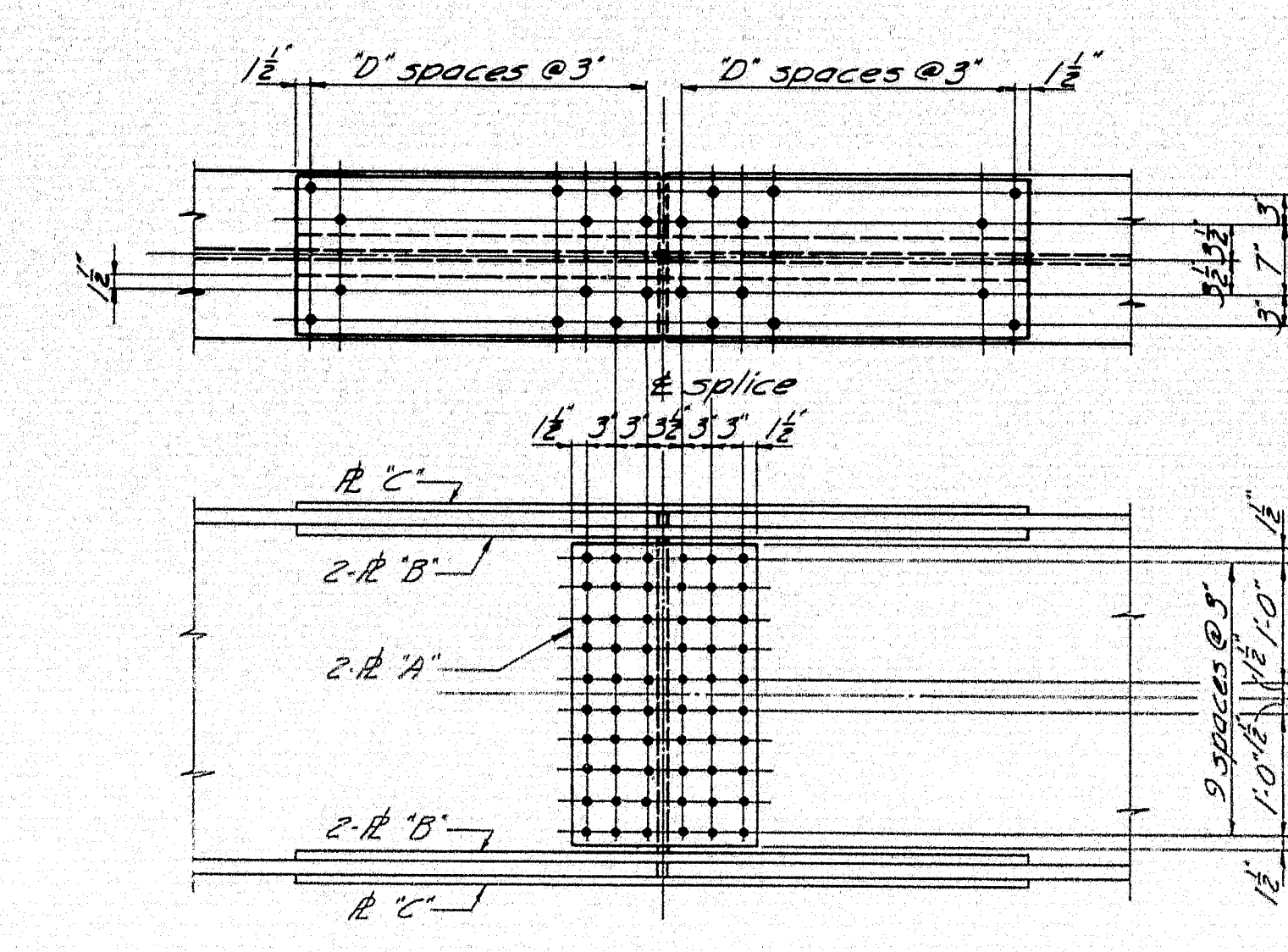




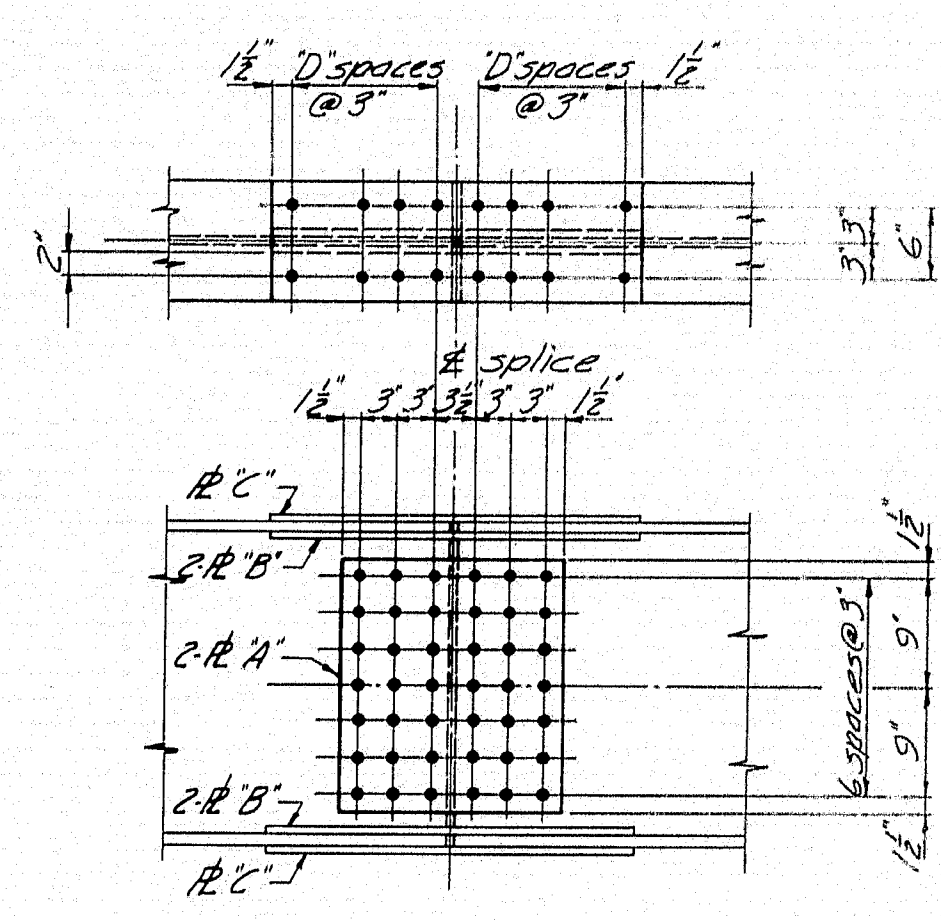
27 WF 84



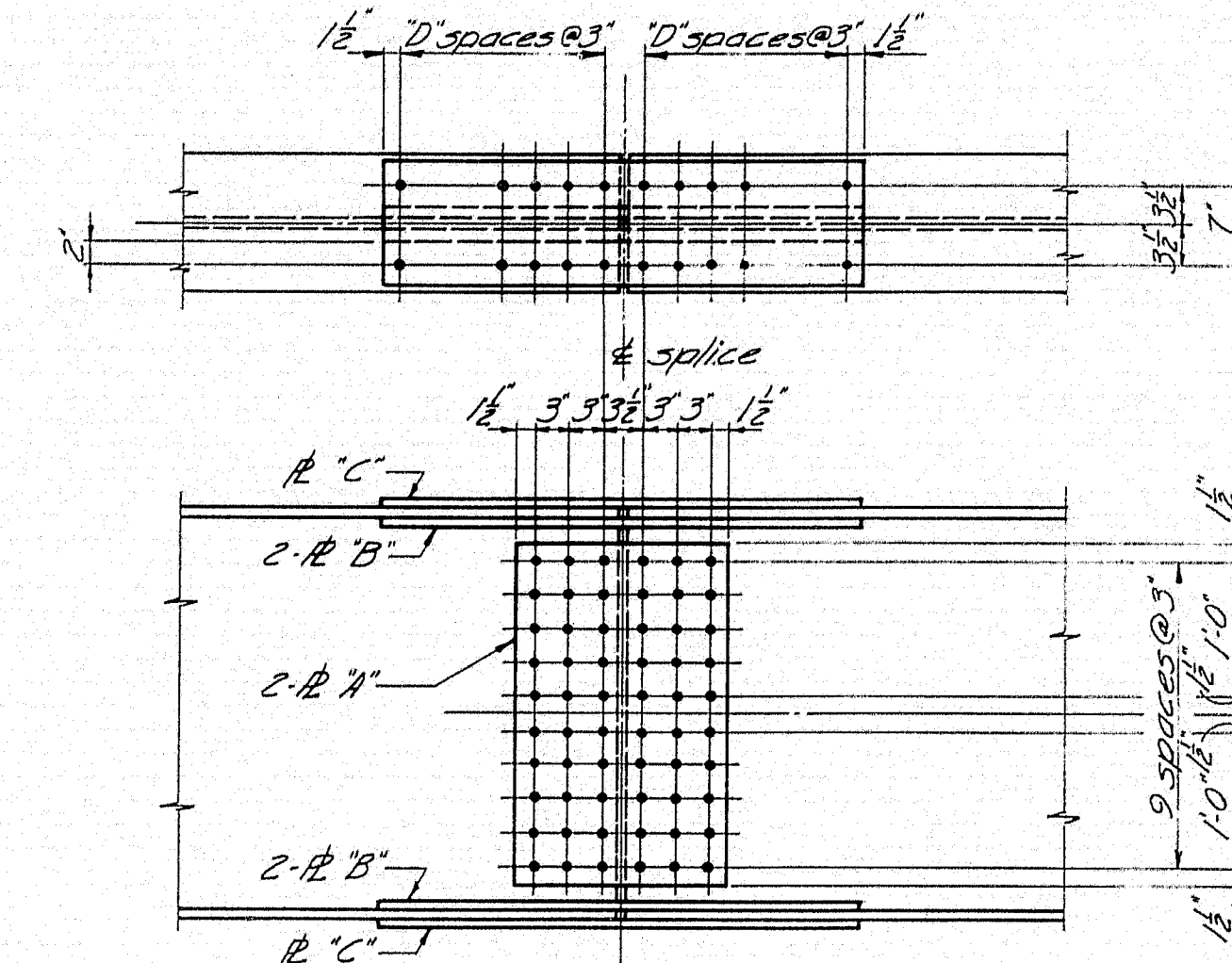
33 WF 118, 130, 141, 152



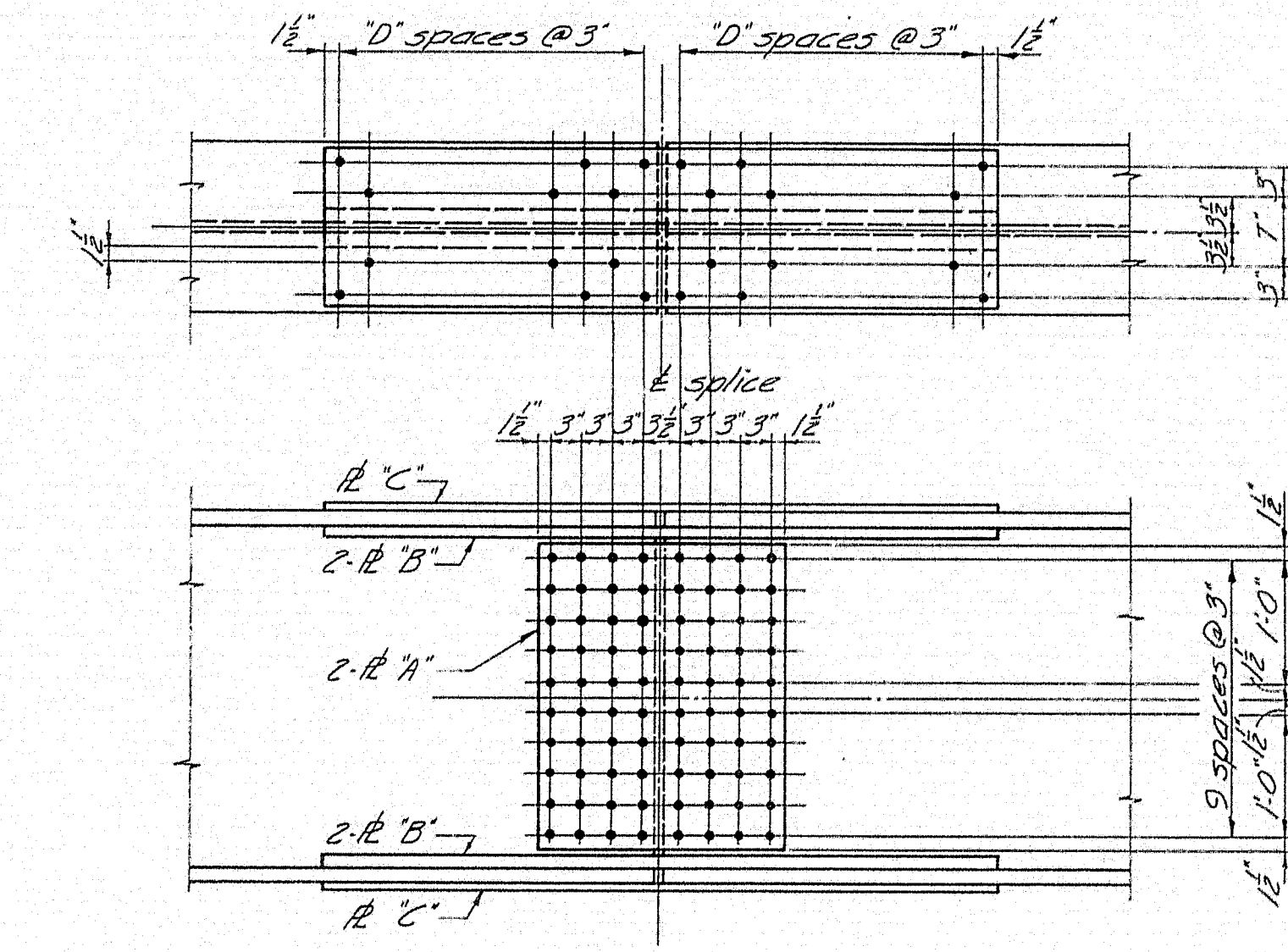
36 WF 245, 280



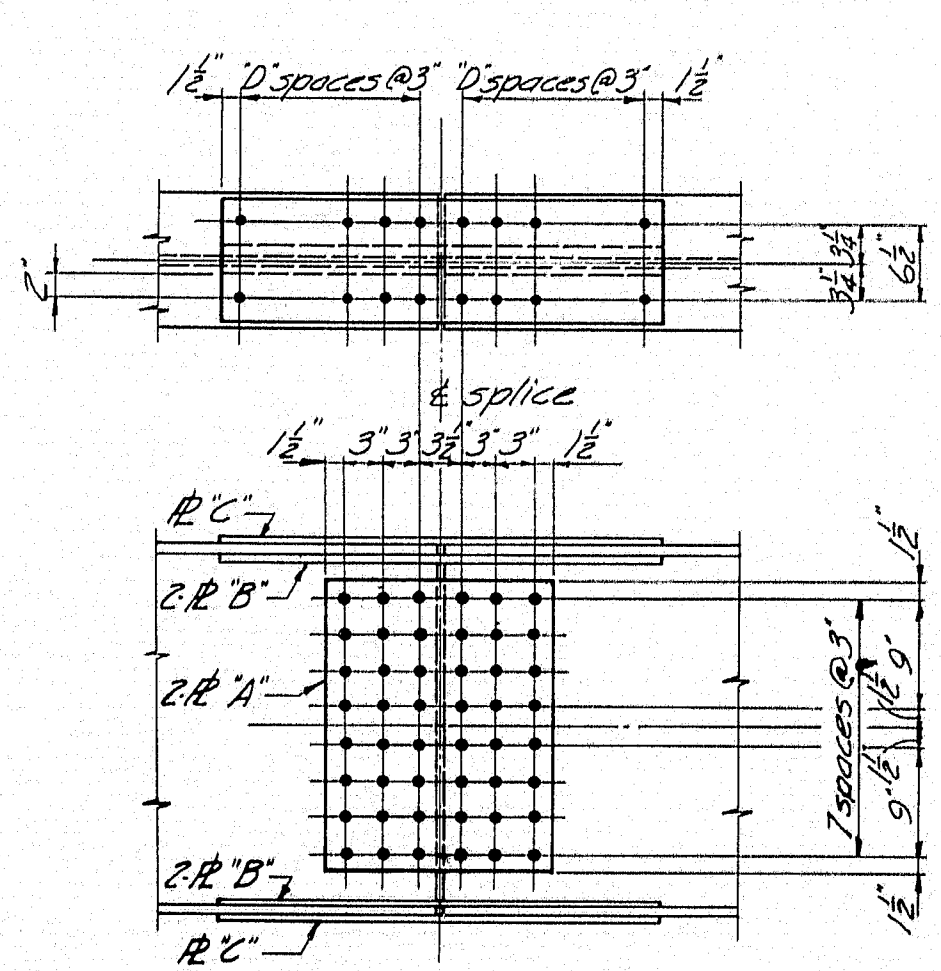
27 WF 94, 102, 114



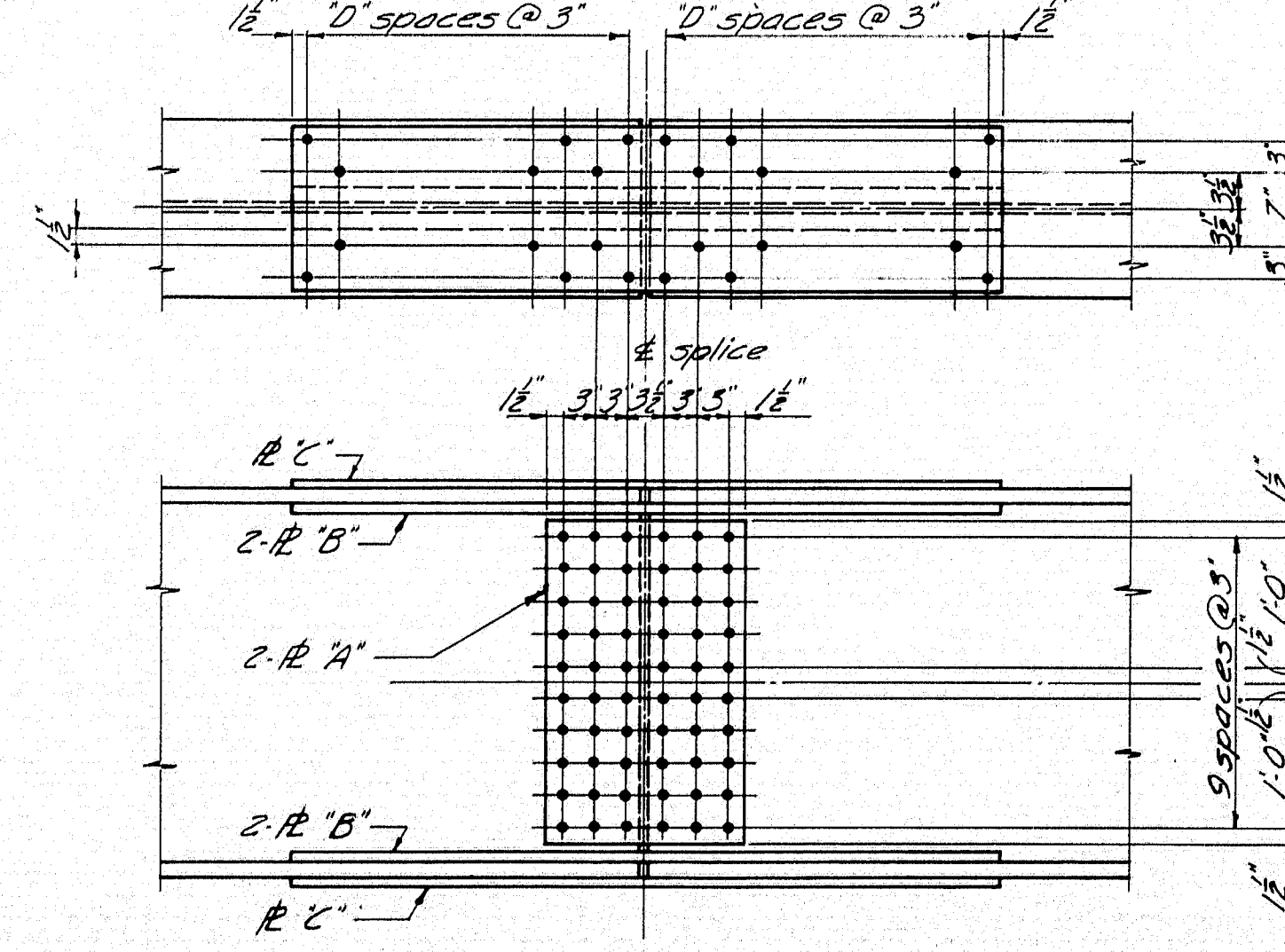
36 WF 135, 150, 160, 170, 182, 194



36 WF 300



30 WF 99, 108, 116, 124, 132



36 WF 230, 260

SPlice DESIGN, PLATES AND FLANGE HOLES						
BEAM	BEND. M.	SHEAR	PLATE "A"	PLATE "B"	PLATE "C"	"D"
27 WF 84	3070 ^K	111 ^K	12 1/2 x 1/2	4 x 1/2	10 x 1/2	3
27 WF 94	3520 ^K	119 ^K	12 1/2 x 1/2	4 x 1/2	10 x 1/2	3
27 WF 102	3862 ^K	126 ^K	12 1/2 x 1/2	4 x 1/2	10 x 1/2	4
27 WF 114	4341 ^K	140 ^K	12 1/2 x 1/2	4 x 1/2	10 x 1/2	4
30 WF 99	3921 ^K	139 ^K	12 1/2 x 1/2	4 x 1/2	10 x 1/2	3
30 WF 108	4360 ^K	147 ^K	12 1/2 x 1/2	4 x 1/2	10 x 1/2	4
30 WF 116	4780 ^K	152 ^K	12 1/2 x 1/2	4 x 1/2	10 x 1/2	4
30 WF 124	5170 ^K	159 ^K	12 1/2 x 1/2	4 x 1/2	10 x 1/2	4
30 WF 132	5539 ^K	168 ^K	12 1/2 x 1/2	4 x 1/2	10 x 1/2	5
33 WF 118	5287 ^K	164 ^K	12 1/2 x 1/2	4 x 1/2	11 x 1/2	4
33 WF 130	5978 ^K	173 ^K	12 1/2 x 1/2	4 x 1/2	11 x 1/2	5
33 WF 141	6604 ^K	181 ^K	12 1/2 x 1/2	4 x 1/2	11 x 1/2	5
33 WF 152	7193 ^K	191 ^K	12 1/2 x 1/2	4 x 1/2	11 x 1/2	6
36 WF 135	6473 ^K	191 ^K	12 1/2 x 1/2	4 x 1/2	11 x 1/2	4
36 WF 150	7456 ^K	202 ^K	12 1/2 x 1/2	4 x 1/2	11 x 1/2	5
36 WF 160	8005 ^K	212 ^K	12 1/2 x 1/2	4 x 1/2	11 x 1/2	6
36 WF 170	8574 ^K	221 ^K	12 1/2 x 1/2	4 x 1/2	11 x 1/2	6
36 WF 182	9204 ^K	237 ^K	12 1/2 x 1/2	4 x 1/2	11 x 1/2	7
36 WF 194	9838 ^K	253 ^K	12 1/2 x 1/2	4 x 1	11 x 1/2	8
36 WF 230	12574 ^K	287 ^K	12 1/2 x 1/2	6 x 1	16 x 1/2	10
36 WF 245	13441 ^K	280 ^K	12 1/2 x 1/2	6 x 1	16 x 1/2	11
36 WF 260	14330 ^K	276 ^K	12 1/2 x 1/2	6 x 1 1/2	16 x 1/2	12
36 WF 280	15351 ^K	291 ^K	12 1/2 x 1/2	6 x 1 1/2	16 x 1/2	13
36 WF 300	16676 ^K	312 ^K	24 1/2 x 1/2	6 x 1 1/2	16 x 1/2	14

GENERAL NOTES

1. Splice connections to be made with $\frac{3}{8}$ " ϕ high tensile strength bolts. Holes to be $\frac{1}{8}$ " ϕ .
2. The design bending moment is 90% of the net resisting moment of the beam with an allowable stress of 20,000 p.s.i. The design shear is 75% of the shear strength of the gross section of the web with an allowable stress of 12,000 p.s.i.
3. If beams of different sizes are to be spliced, use splice details shown for the smaller of the beams being spliced unless otherwise directed by design details. See design details for filler thickness. Place fillers to limits of splice plates only, with no extensions.
4. See design details for slopes of beams in order to correctly fabricate bevels at the splices.

A.S.T.M. STEEL CLASSIFICATION

High Tensile Strength Bolts..... A-325
Splice Plates..... A-36

DESIGN SPECIFICATIONS

AASHTO Standard Specifications for Highway Bridges, 1961 with Interim Specifications, 1961 & 1962

MAINE STATE HIGHWAY COMMISSION
AUGUSTA, MAINE

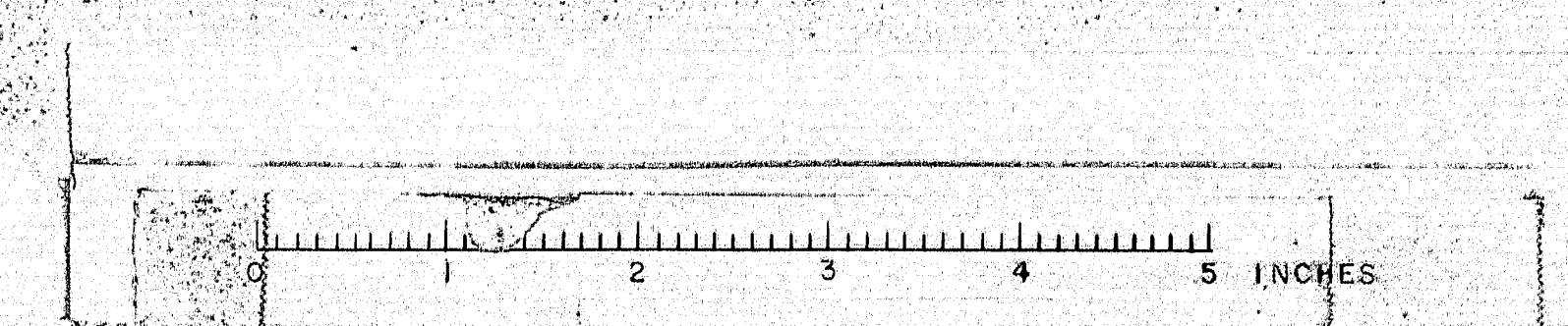
STANDARD DETAILS

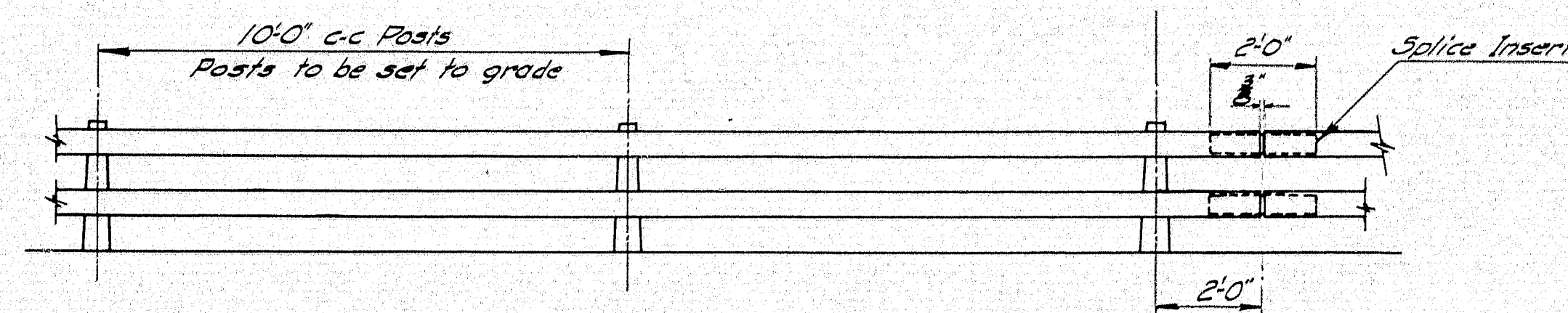
(BD 103-64)

BEAM SPLICES

JANUARY 1964

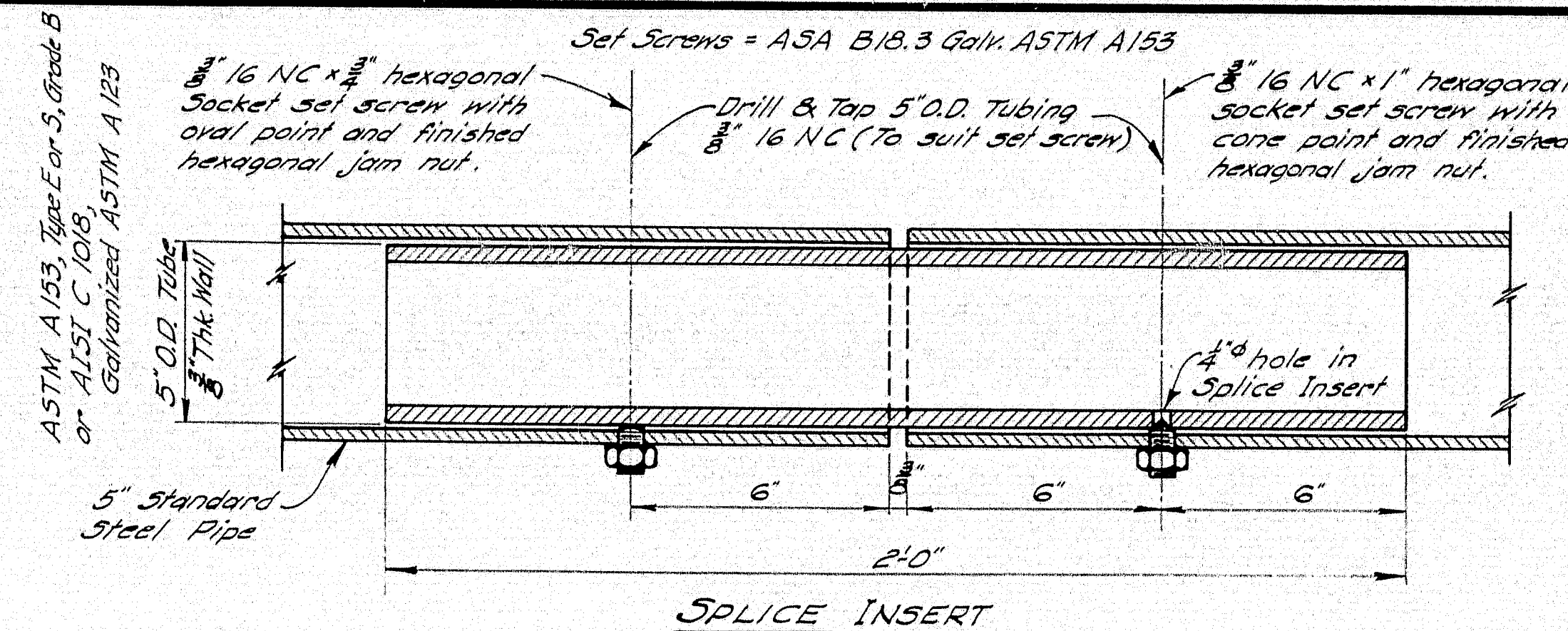
9741



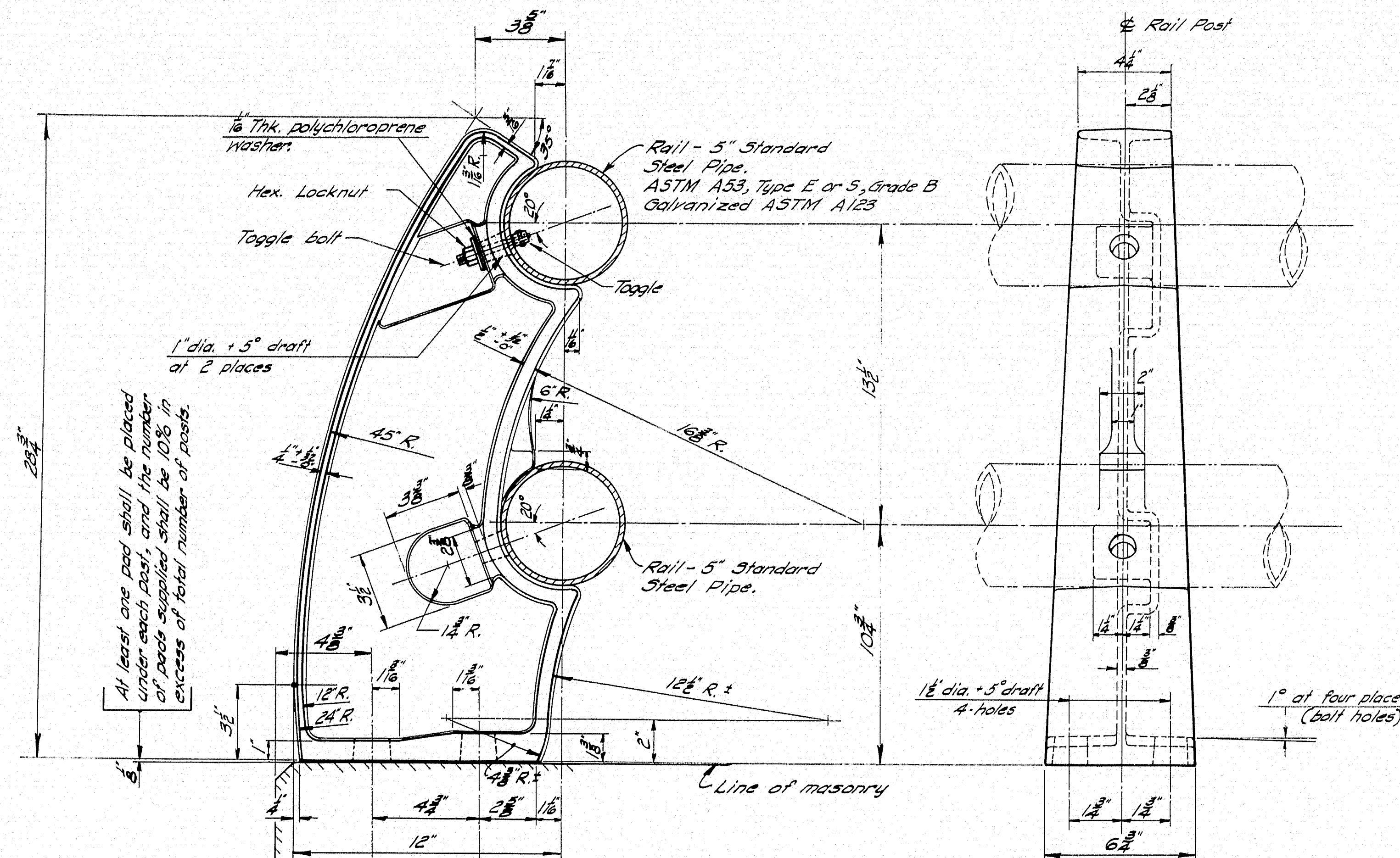


RAIL ELEVATION

Lengths of rail shall be attached to a minimum of (4) four rail posts, whenever possible, and in any case never less than (2) two.

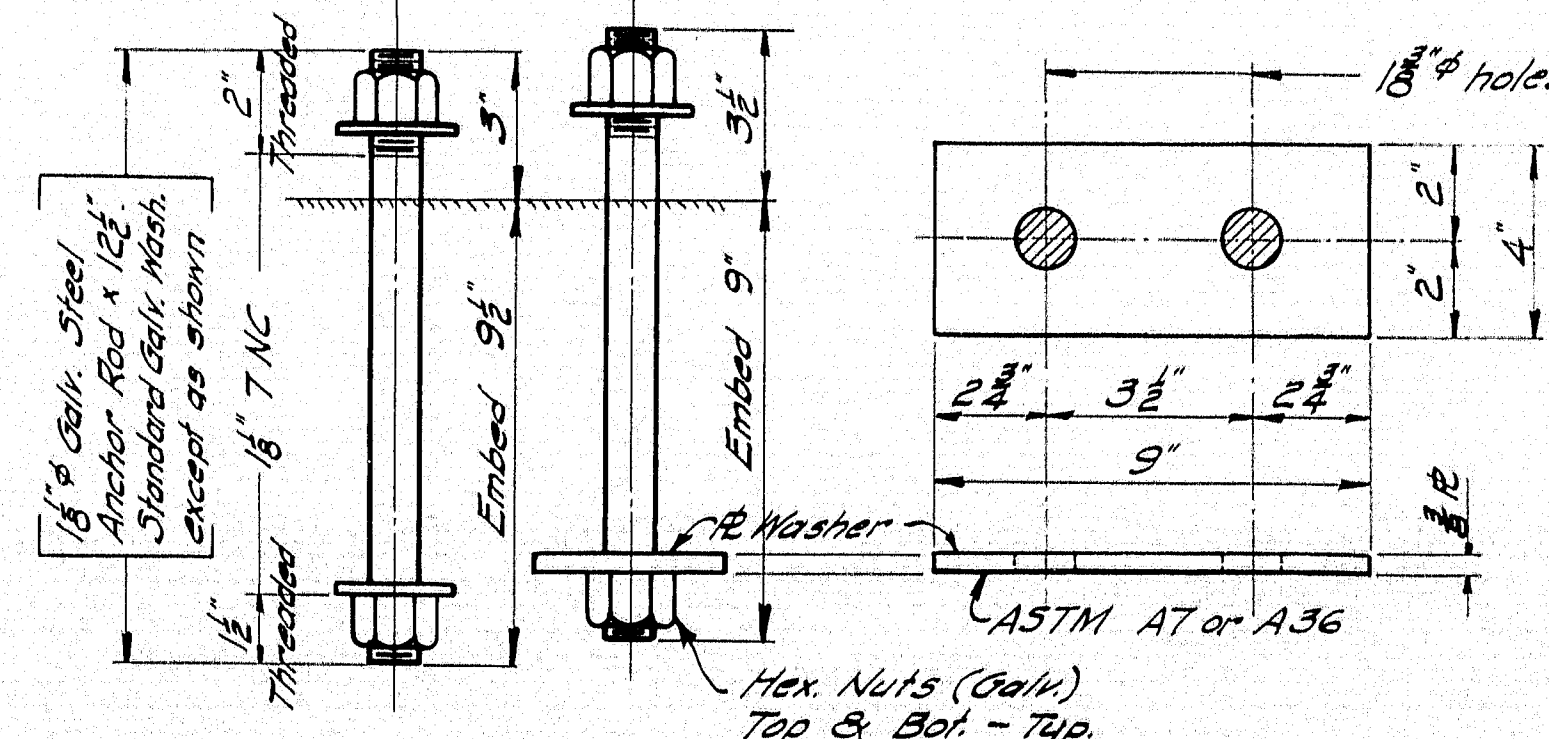


SPLICE INSERT



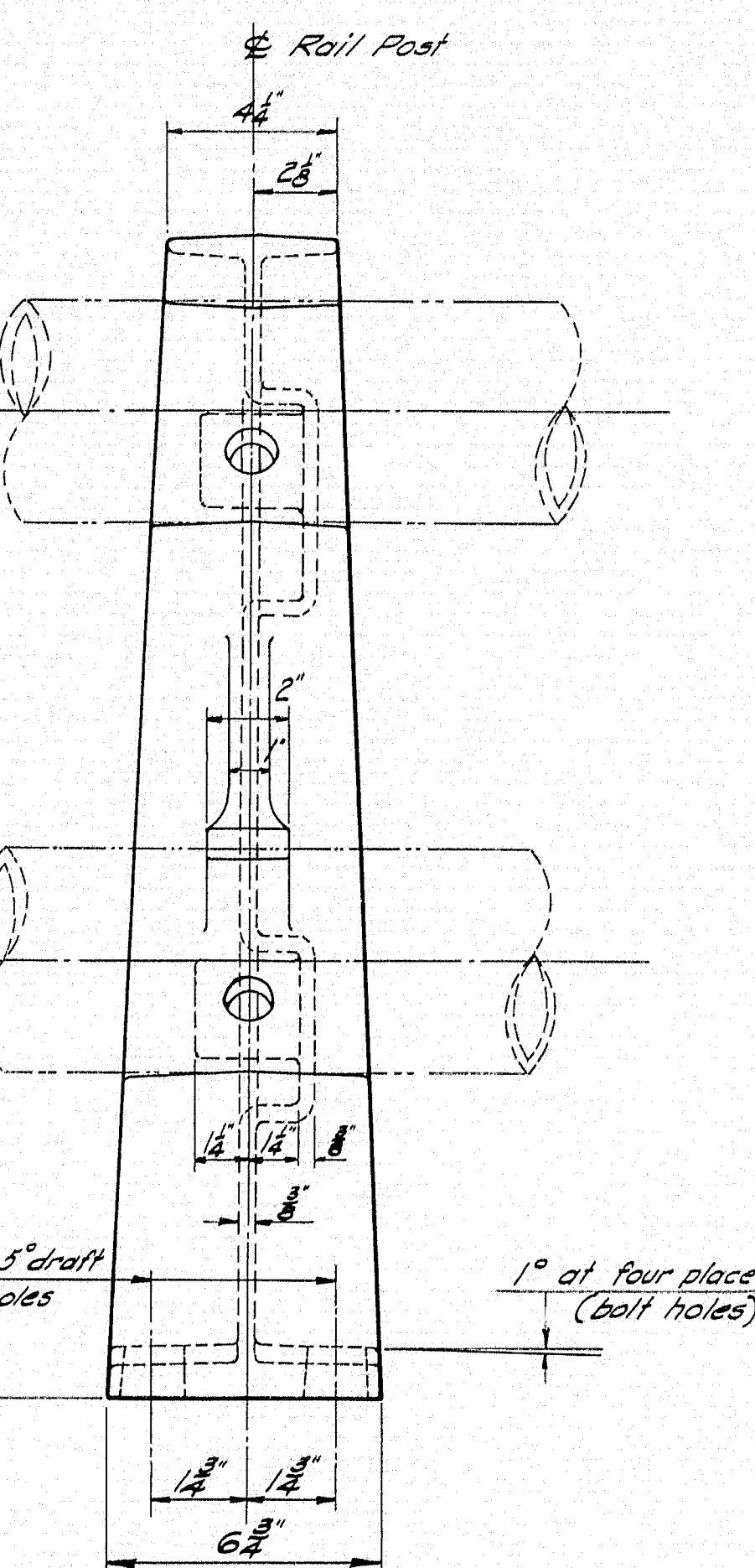
RAIL POST

ASTM A27, Grade 65-35, Galvanized ASTM A153

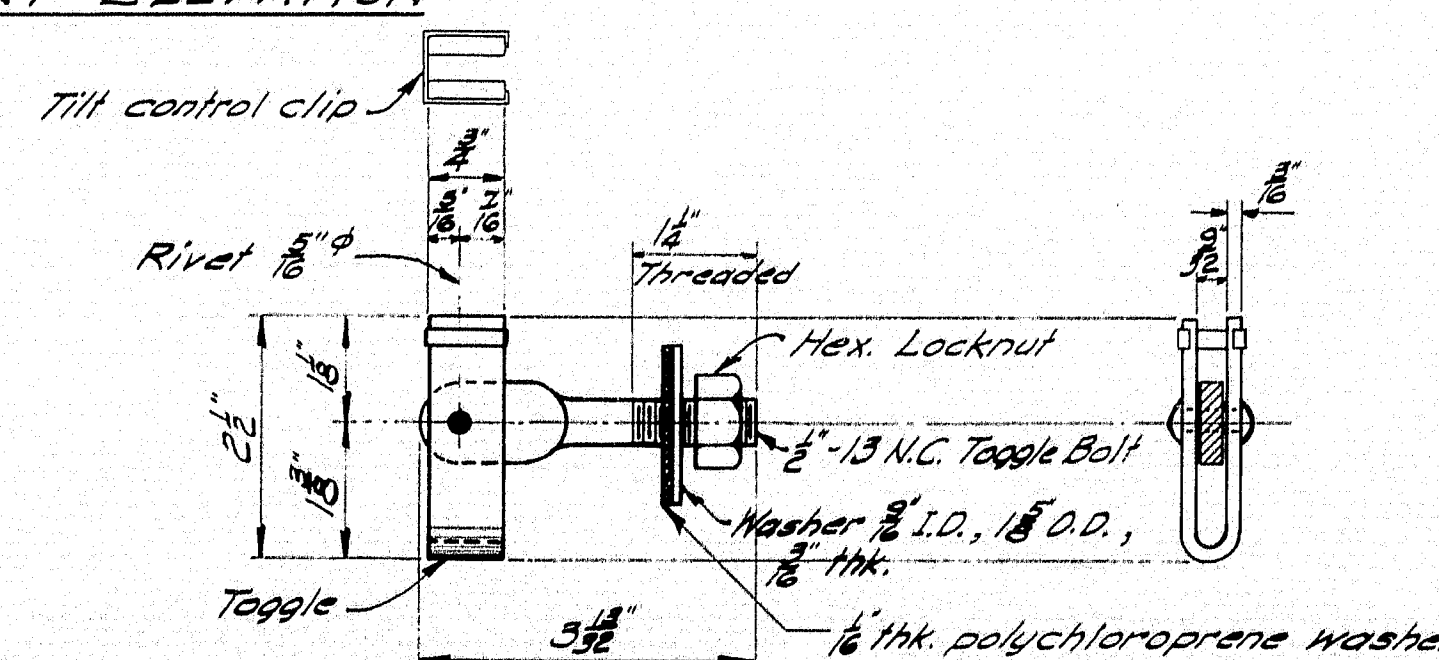


RAIL POST ANCHORAGE

Bolts, Nuts, & Std. Washers = ASTM A325 Galvanized ASTM A153

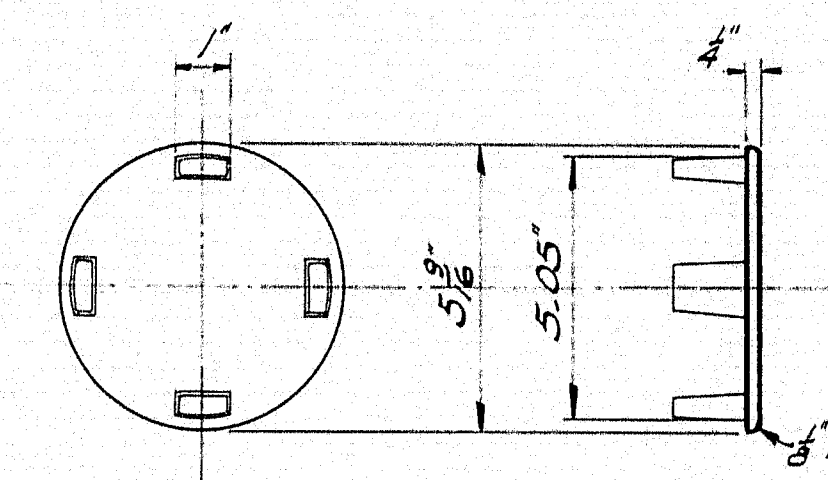


FRONT ELEVATION



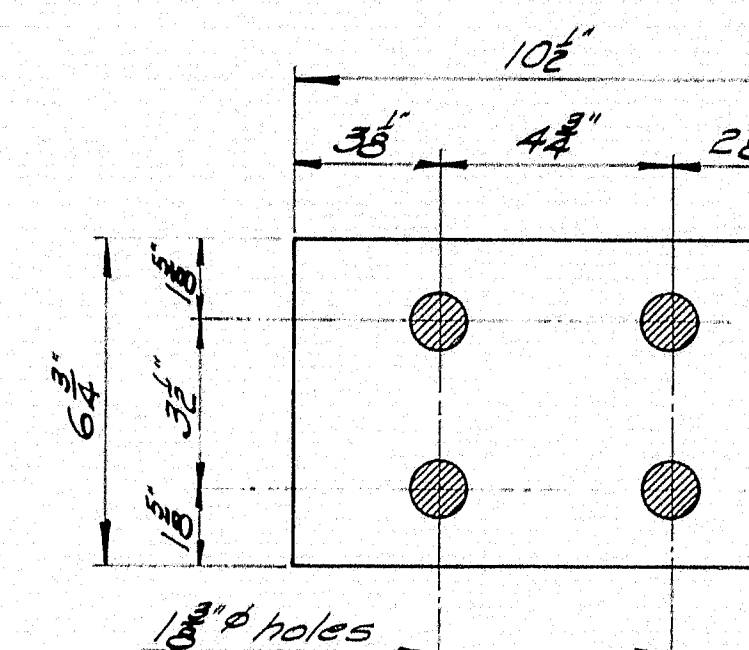
TOGGLE BOLT DETAIL

Cadmium Plate metal parts ASTM A165-55, Type N5, .0005" thick



RAIL CAP

ASTM A27, Grade 65-35, Galv. ASTM A153



PAD

At each rail post
See Article 702-80 Supplemental Specifications of Feb. 1960.

DESIGN SPECIFICATIONS

A.A.S.H.O. Interim Specifications
Int. I (64)

MAINE STATE HIGHWAY COMMISSION
AUGUSTA, MAINE

STANDARD DETAILS

(BD 107 - 64)

STEEL RAIL

(2-BAR PIPE RAIL)
CAST POST

OCT. 1964

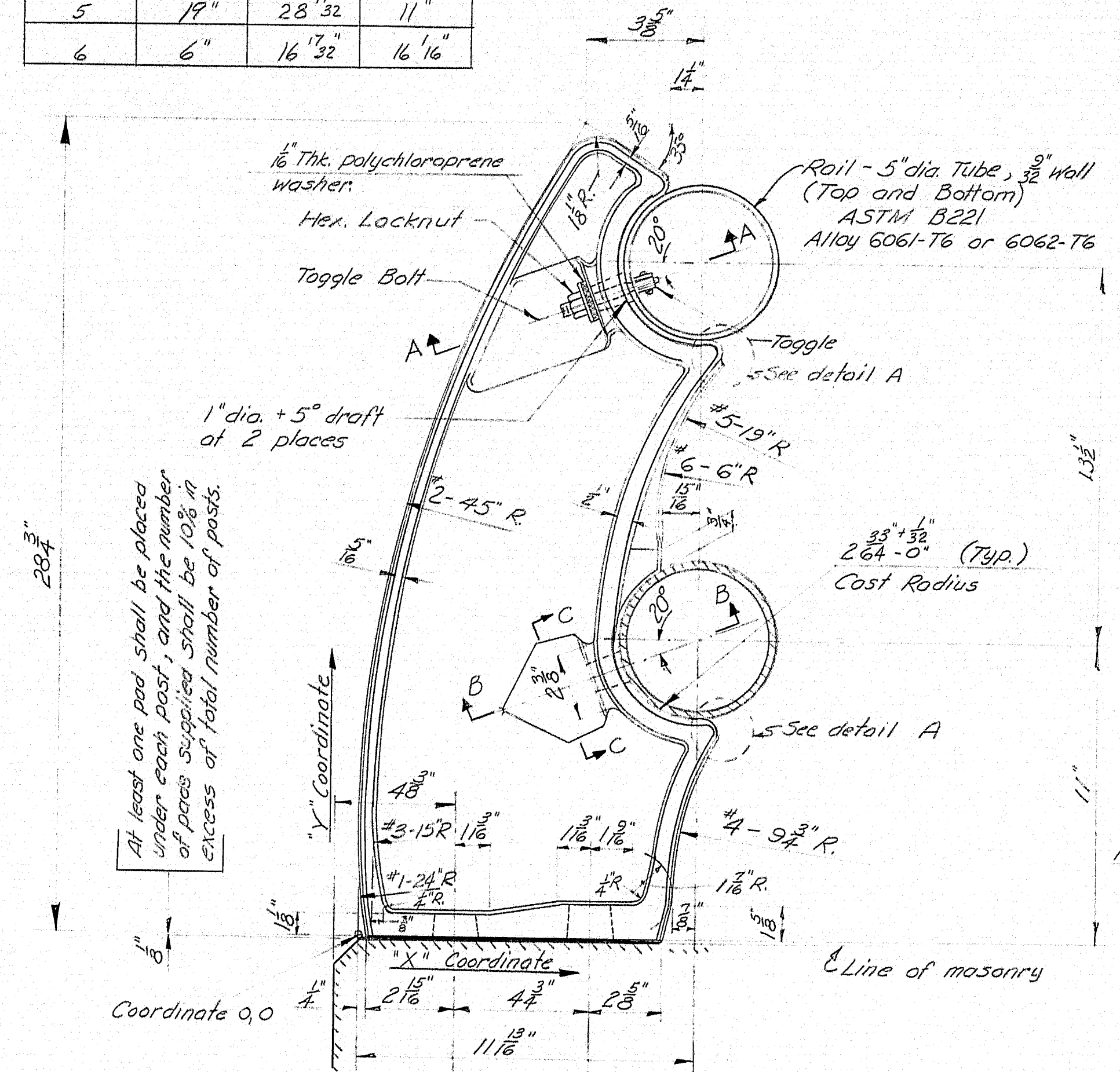
97-44

ORIGIN LOCATION - PRINCIPAL CURVES

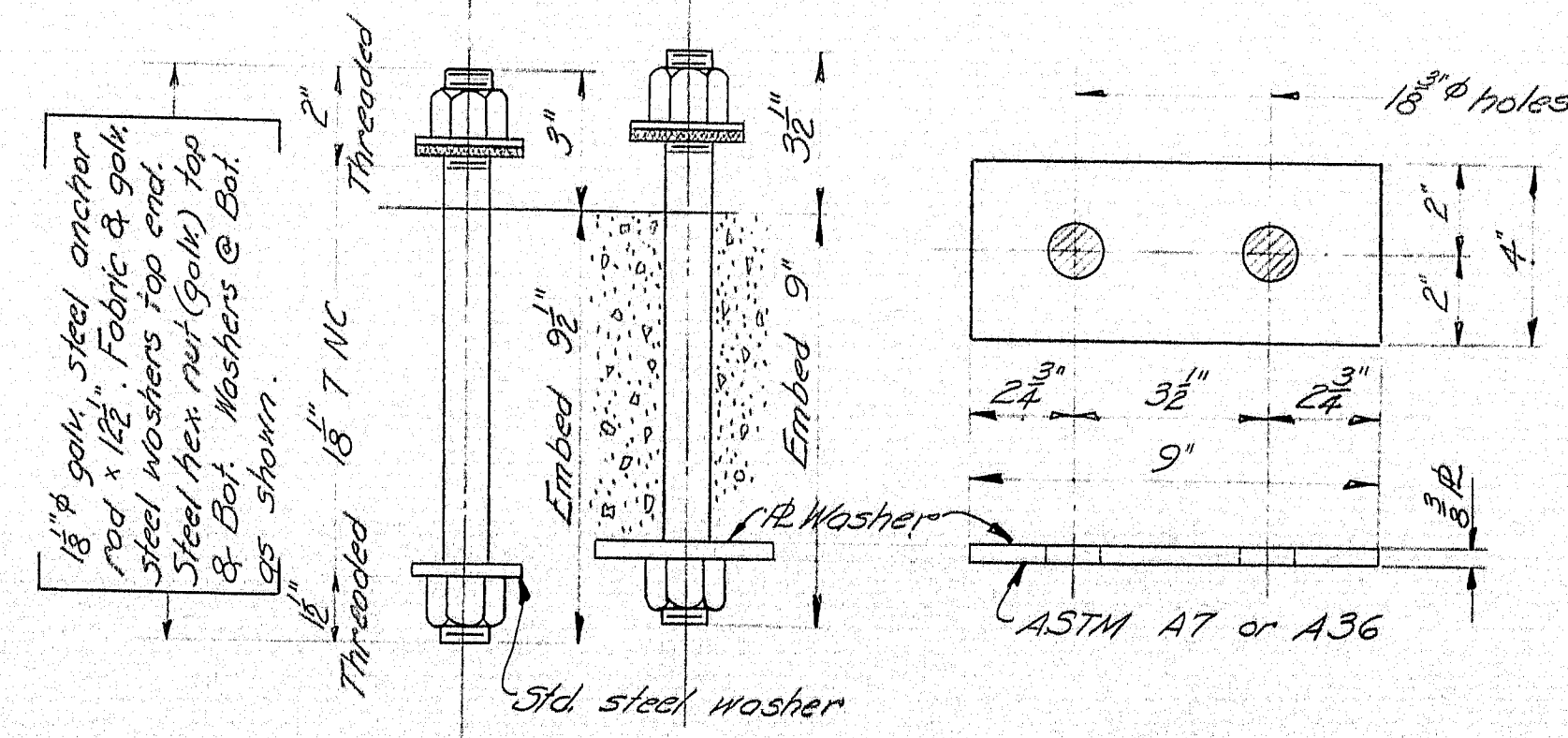
Curve	Radius	"X"	"Y"
1	24"	24"	3' 15 32"
2	45"	45"	2' 27 32"
3	15"	15' 11 16"	4' 23 32"
4	9' 3 4"	20' 11 16"	2' 13 32"
5	19"	28' 13 32"	11"
6	6"	16' 13 32"	16' 16"

RAIL ELEVATION

Lengths of rail shall be attached to a minimum of (4) four rail posts, wherever possible, and in any case never less than (2) two.

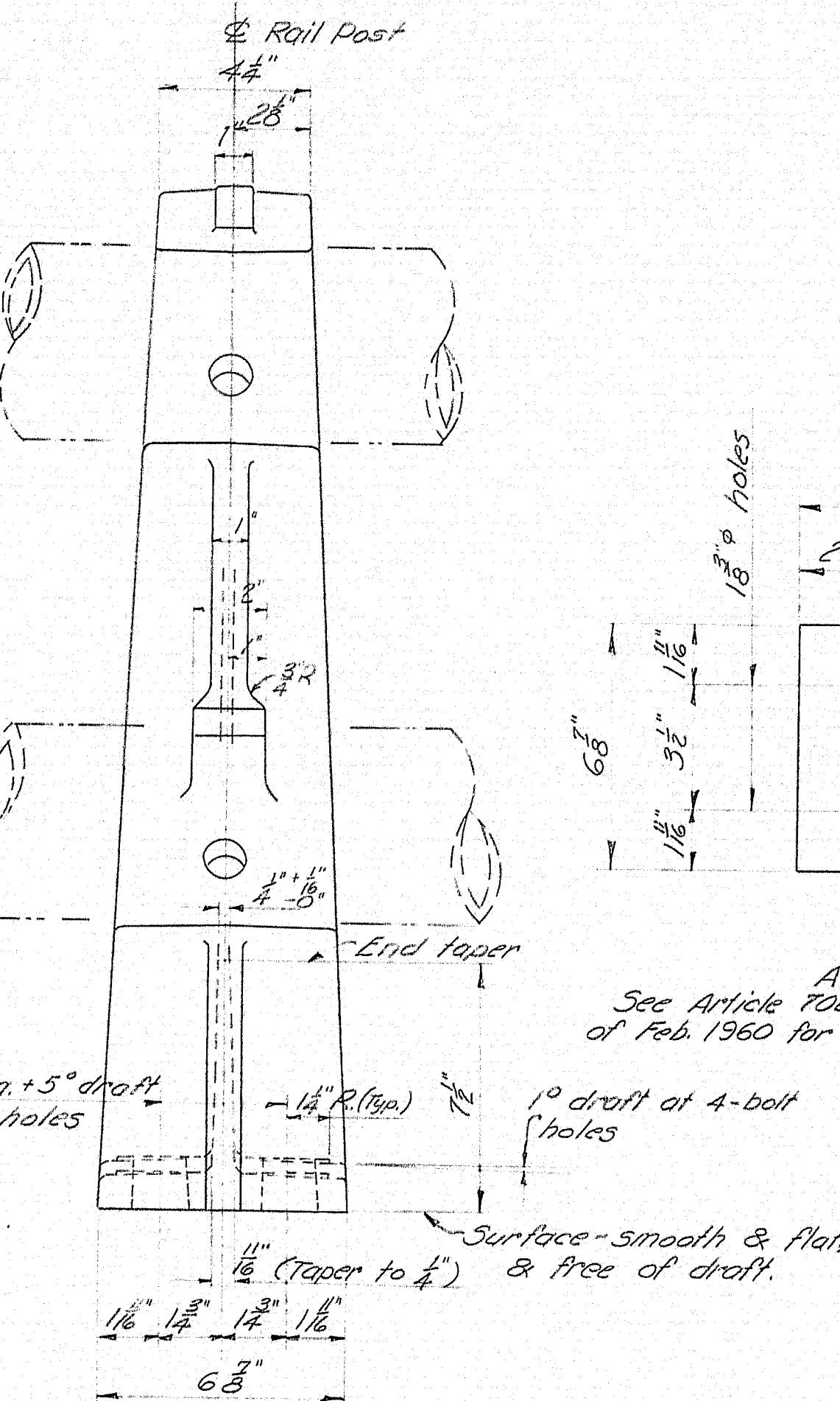


RAIL POST

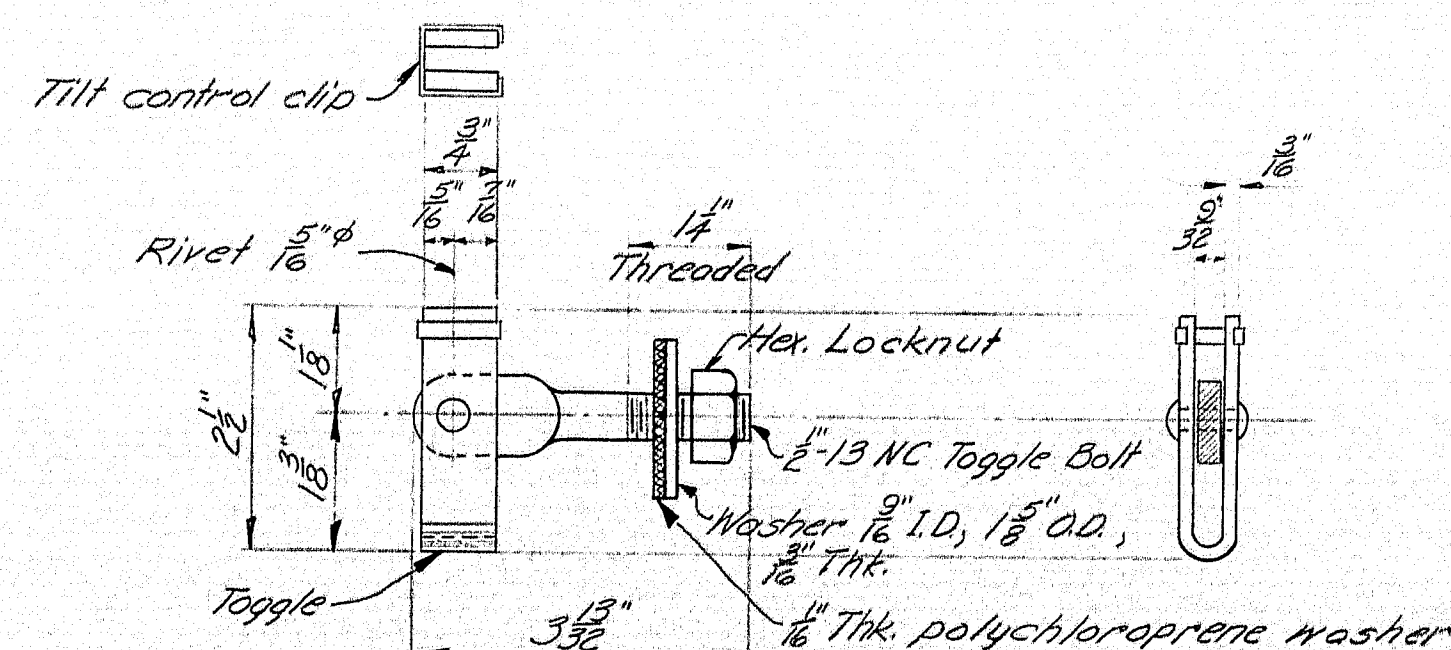


RAIL POST ANCHORAGE

Bolts, Nuts & Std Washers = ASTM A325 Galvanized ASTM A153

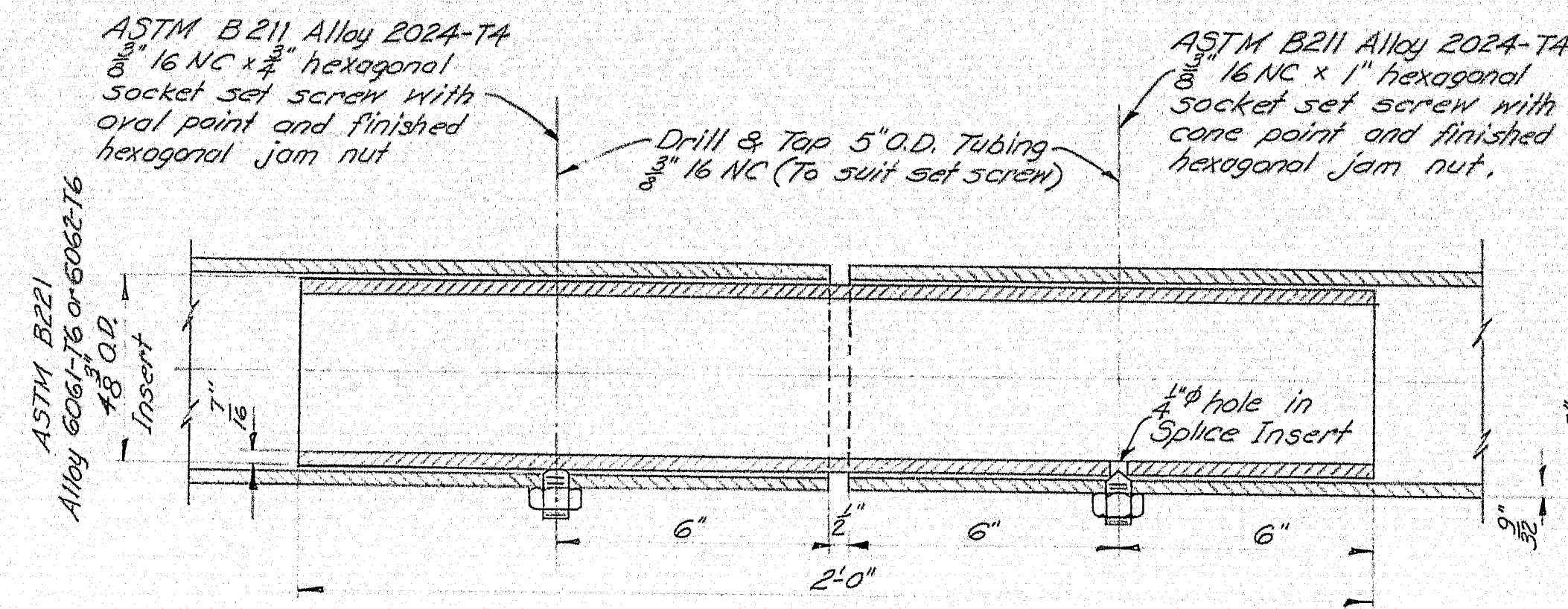


FRONT ELEVATION

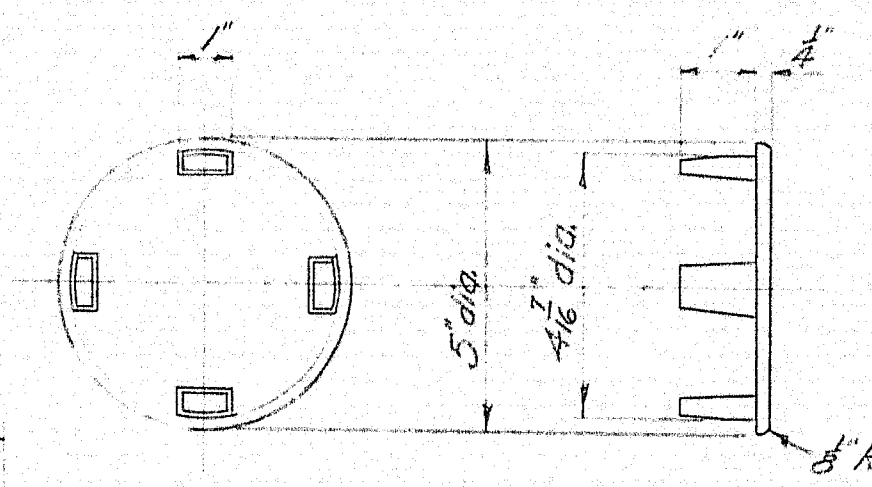


TOGGLE BOLT DETAIL

Codinium Plate metal parts, ASTM A165-35, Type N3, .0005" thick

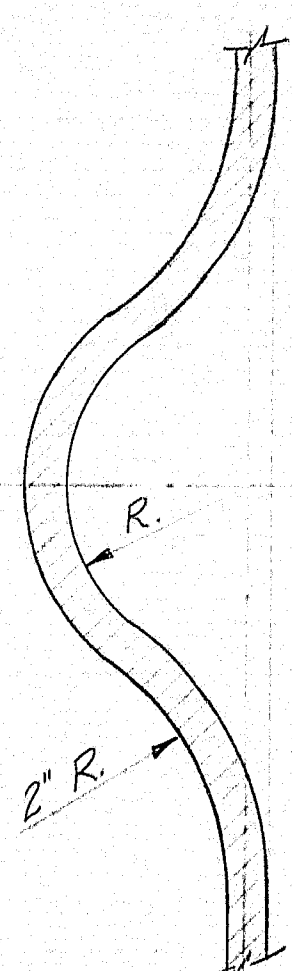


SPLICE

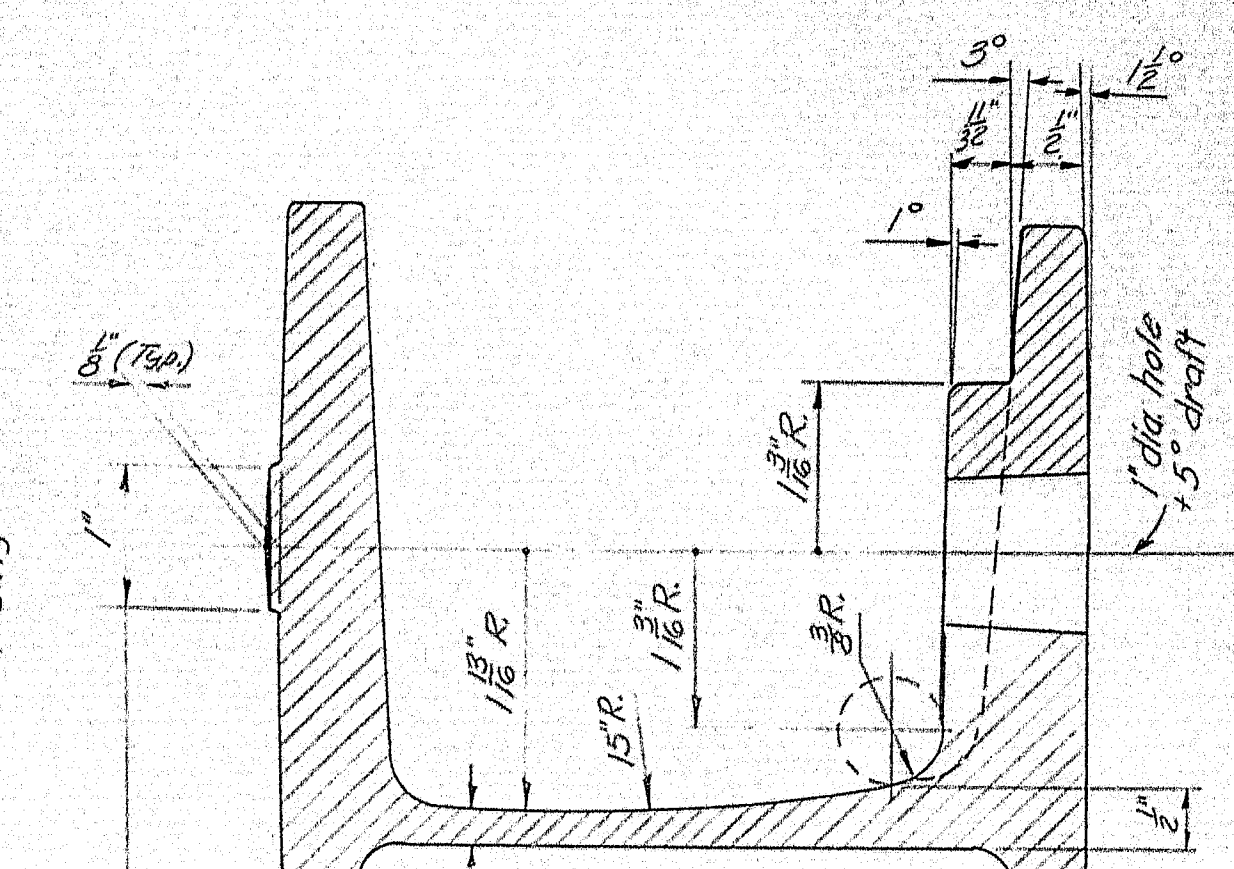


RAIL CAP

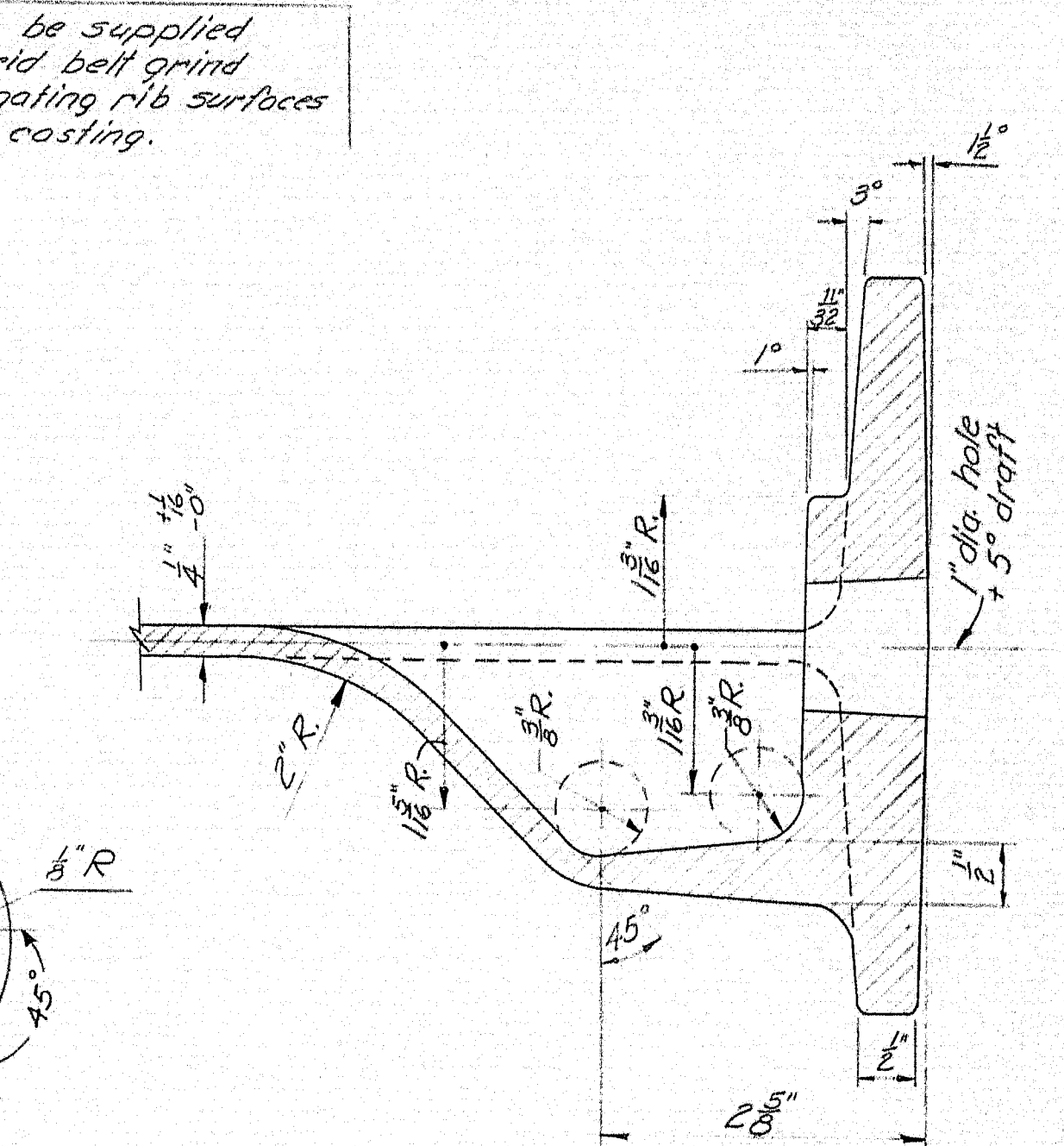
ASTM B26 Alloy 5G TO A or 35A



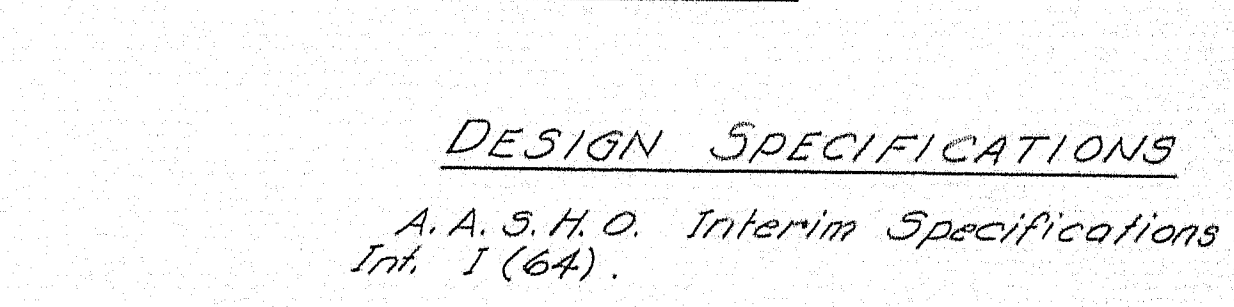
SECTION C-C



SECTION A-A



SECTION B-B



DESIGN SPECIFICATIONS

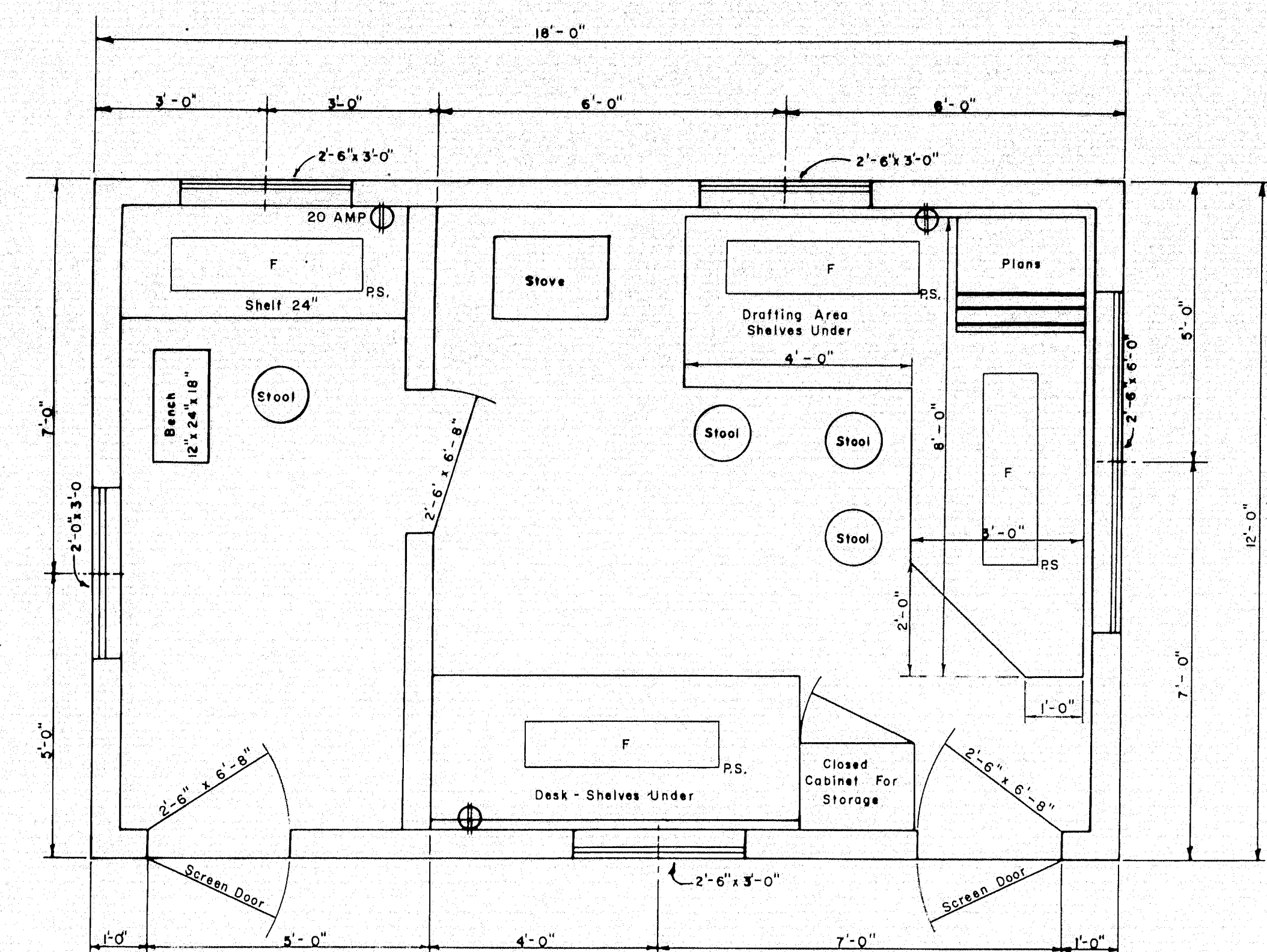
A.A.S.H.O. Interim Specifications Int. 1 (64).

A344-T4 Alloy to meet the specification outlined by Aluminum Association.

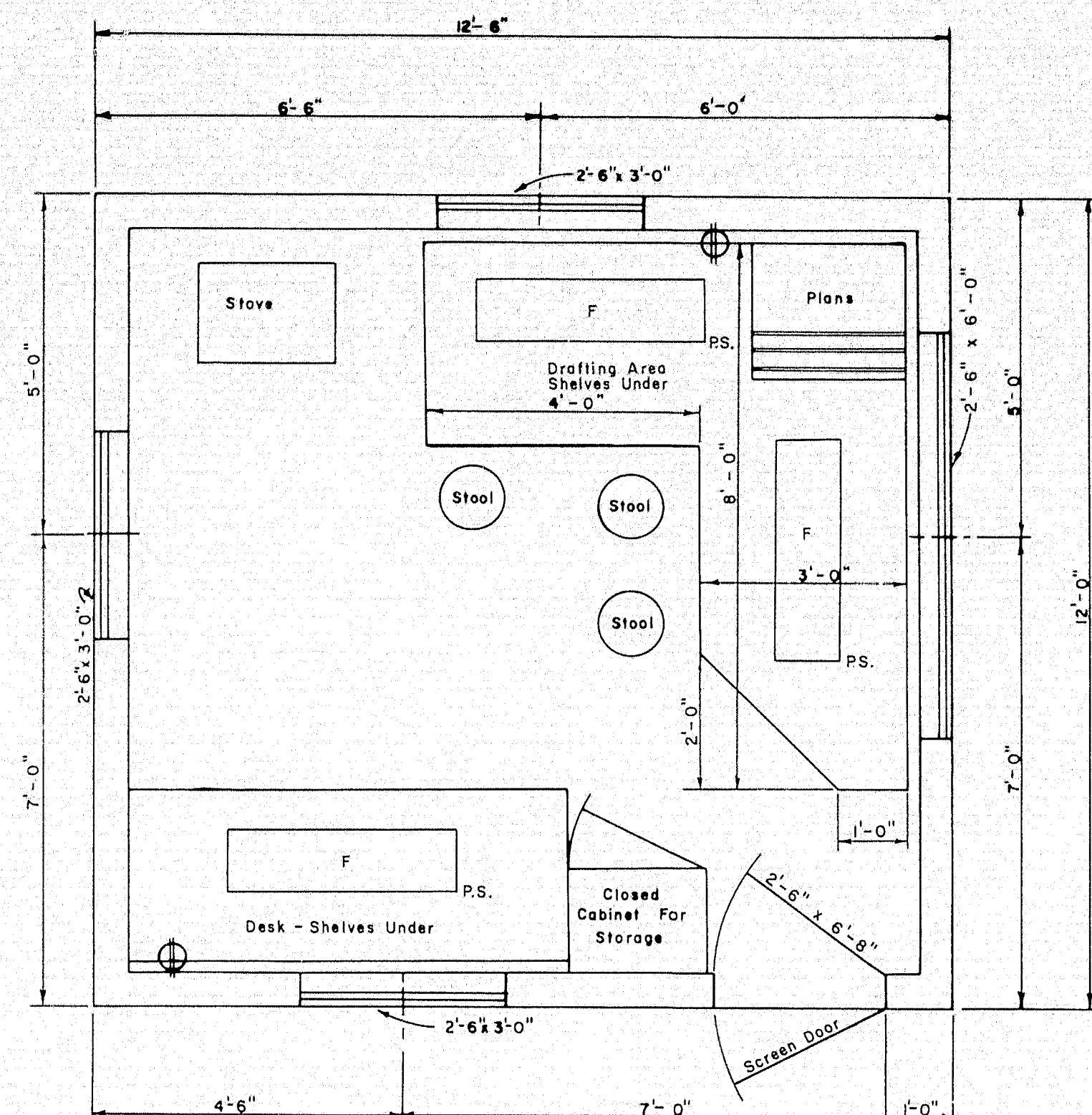
Revision:
Added Detail A & Origin Location-Principal Curves.

DESIGN-CHECK	BRIDGE NO.
TRACE	SURVEY
CHECK	PLOT
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
STANDARD DETAILS (BD 108-64) ALUMINUM RAIL 2-BAR (TUBE RAIL) CAST POST	
SHEET OF AUGUSTA, MAINE OCT. 1964	

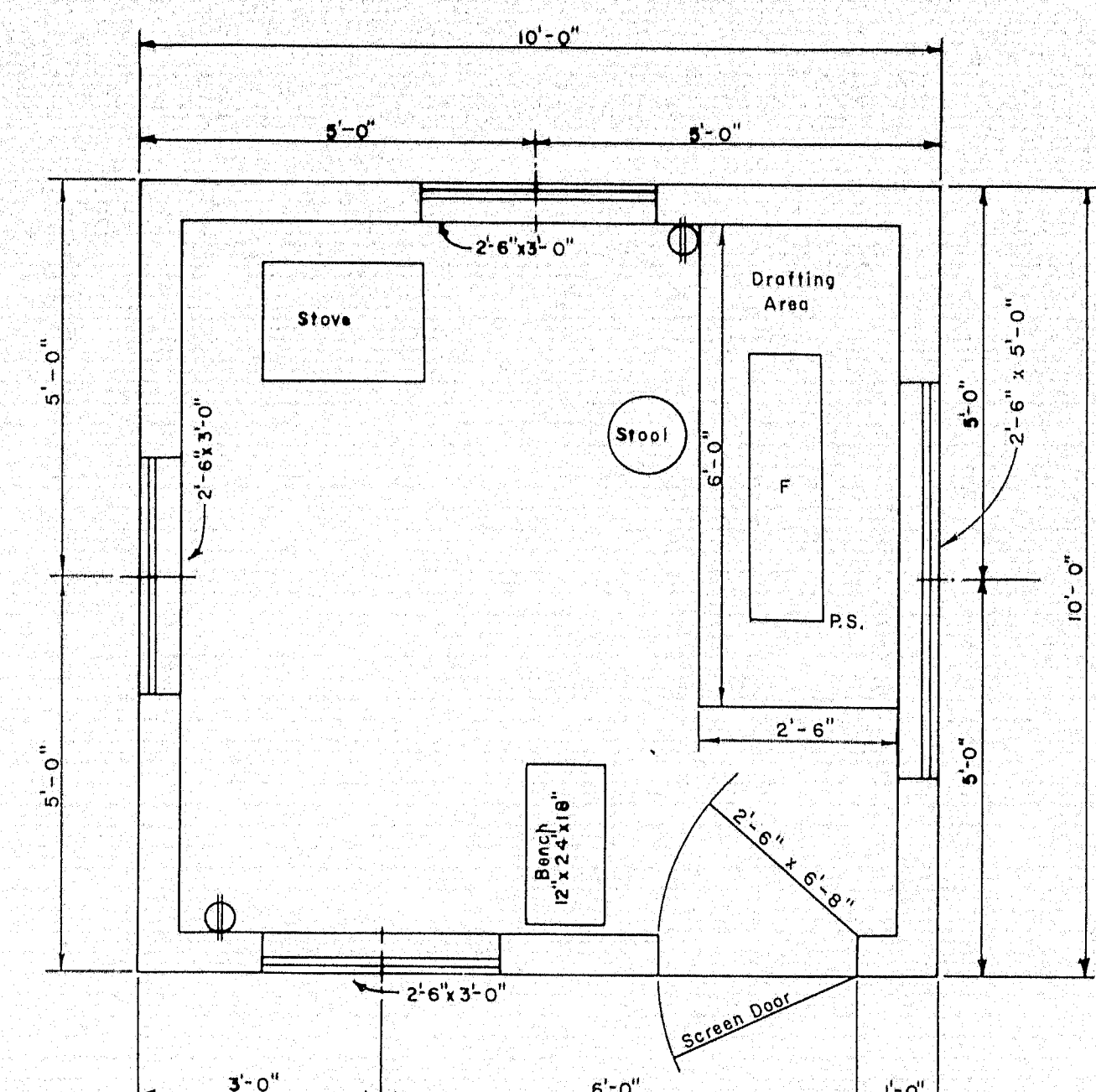
S. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE			



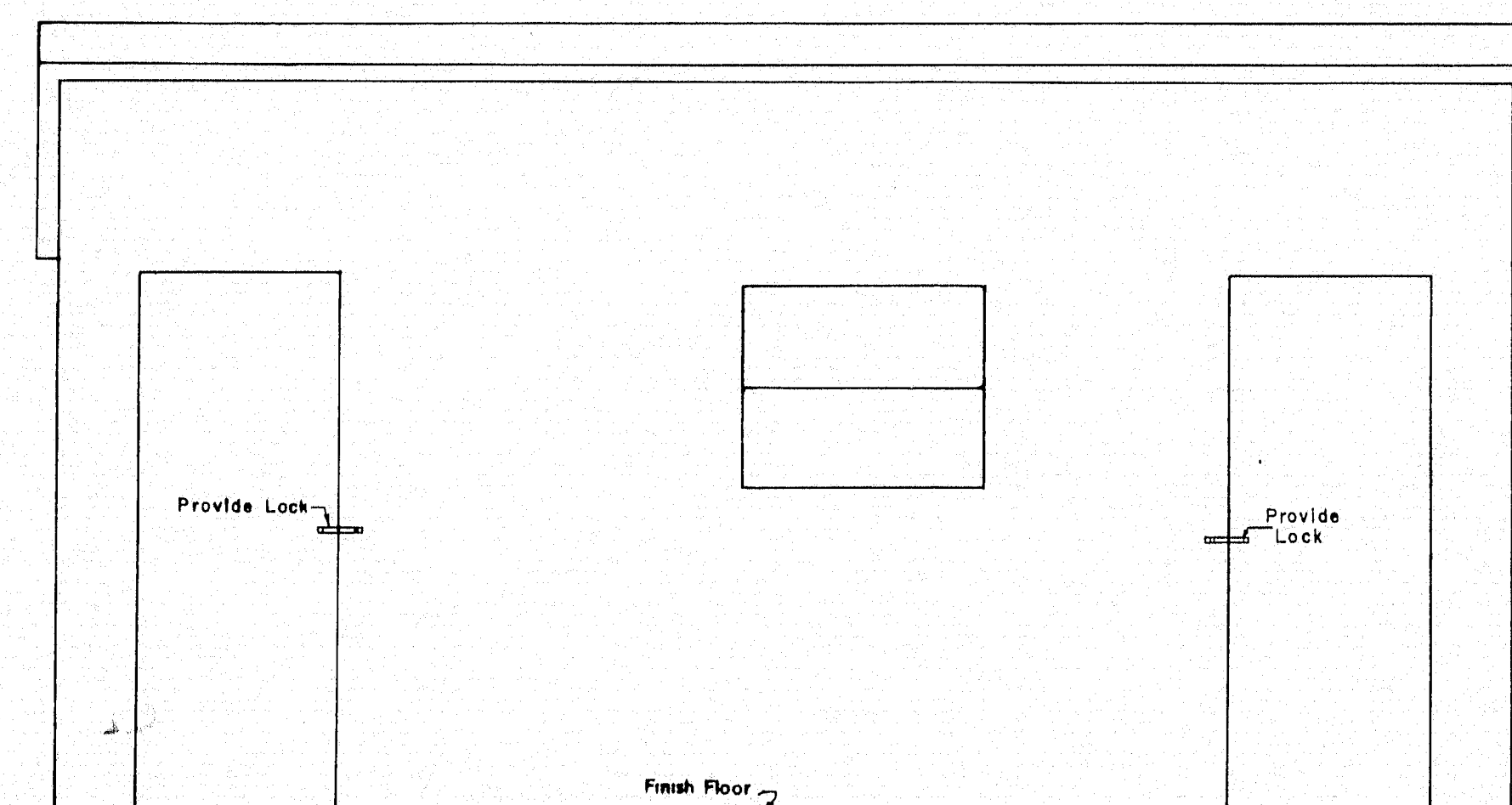
FLOOR PLAN
TYPE "A"



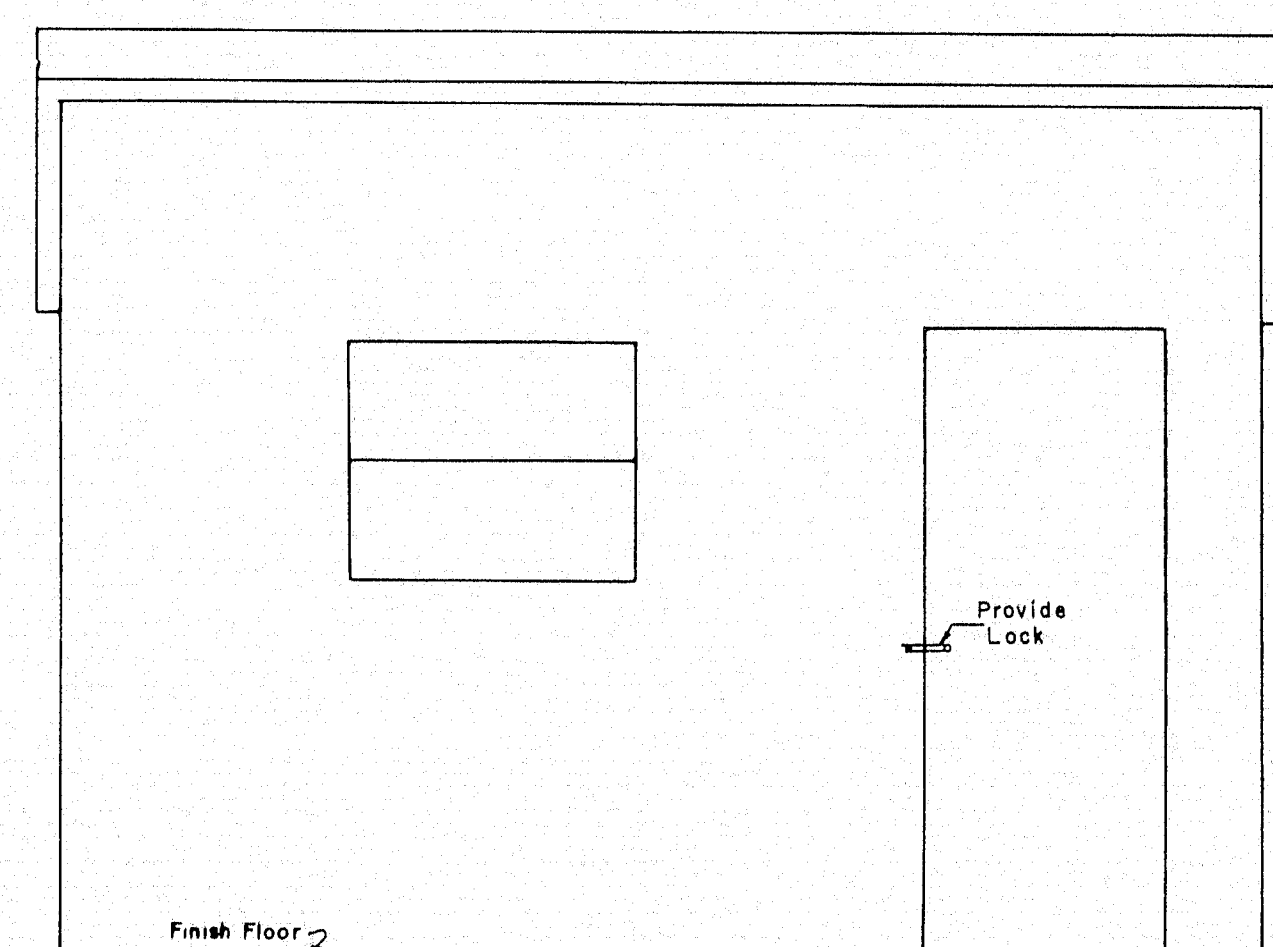
FLOOR PLAN
TYPE "B"



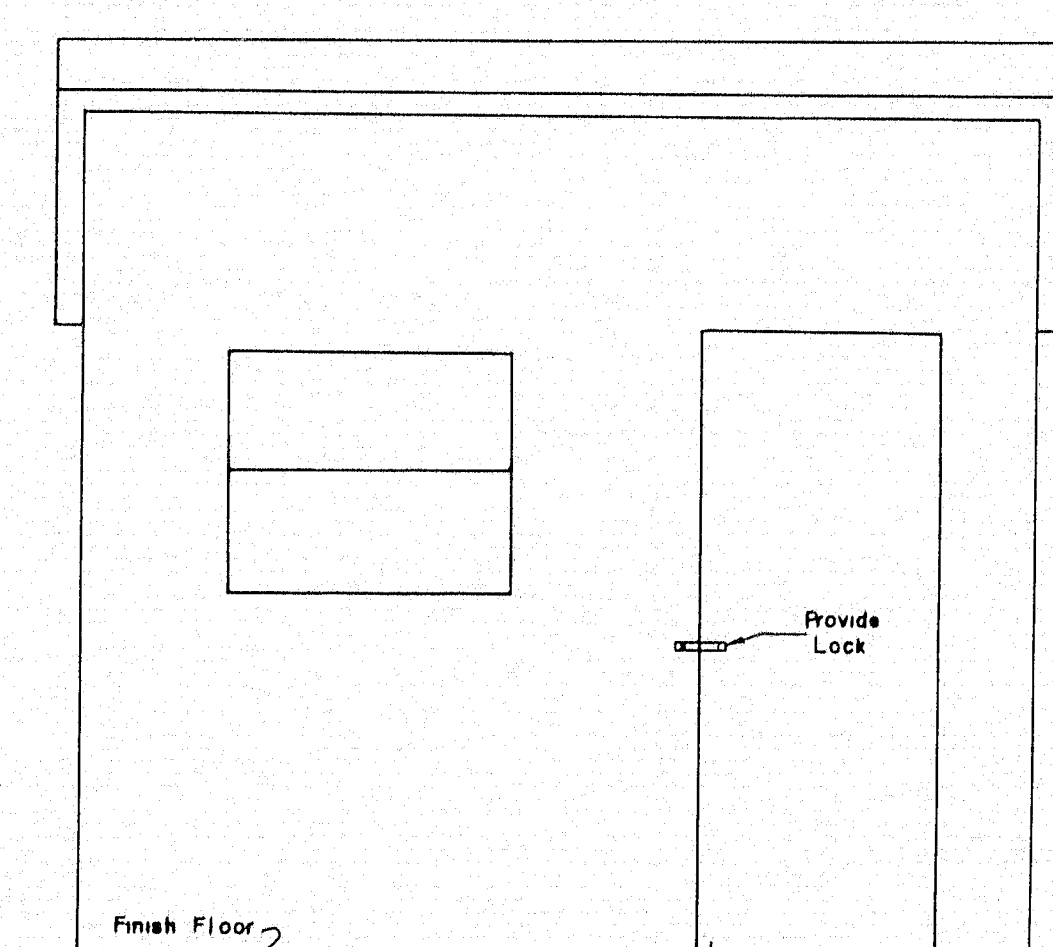
FLOOR PLAN
TYPE "C"



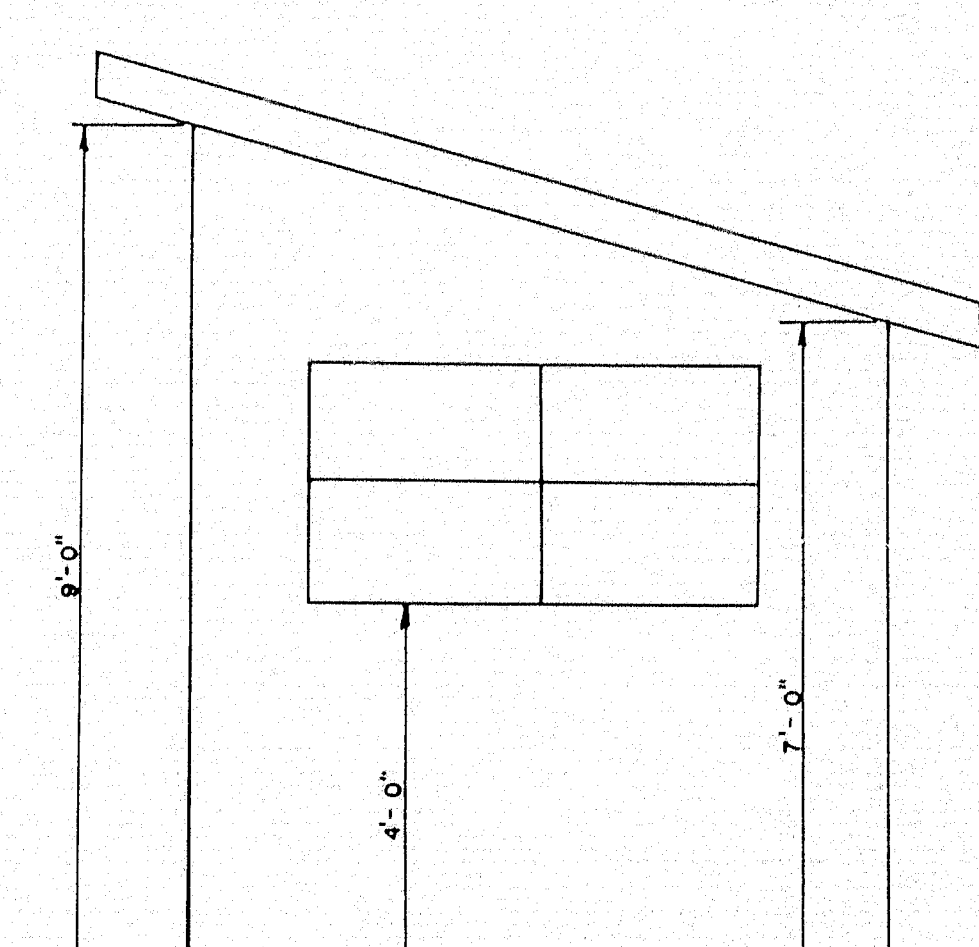
FRONT ELEVATION
TYPE "A"



FRONT ELEVATION
TYPE "B"



FRONT ELEVATION
TYPE "C"



SIDE ELEVATION
TYPES "A" "B" & "C"

NOTES:
Drafting table 3'-4" high at front edge.
Set drafting table out 2" from studs to allow prints to hang down behind table when in use.
The engineer may rearrange the items shown on the plan views during construction of the field office.
Shelves under desk to fit 11 1/2" x 14" x 25" trans files.
Windows shall be double hung.

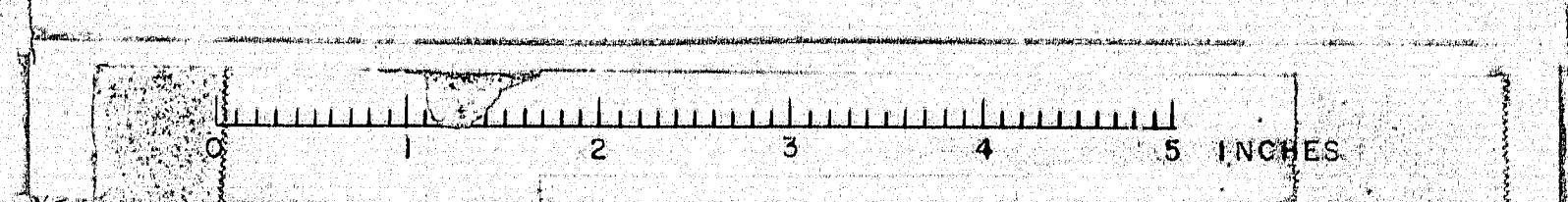
ENGINEERS FIELD OFFICES

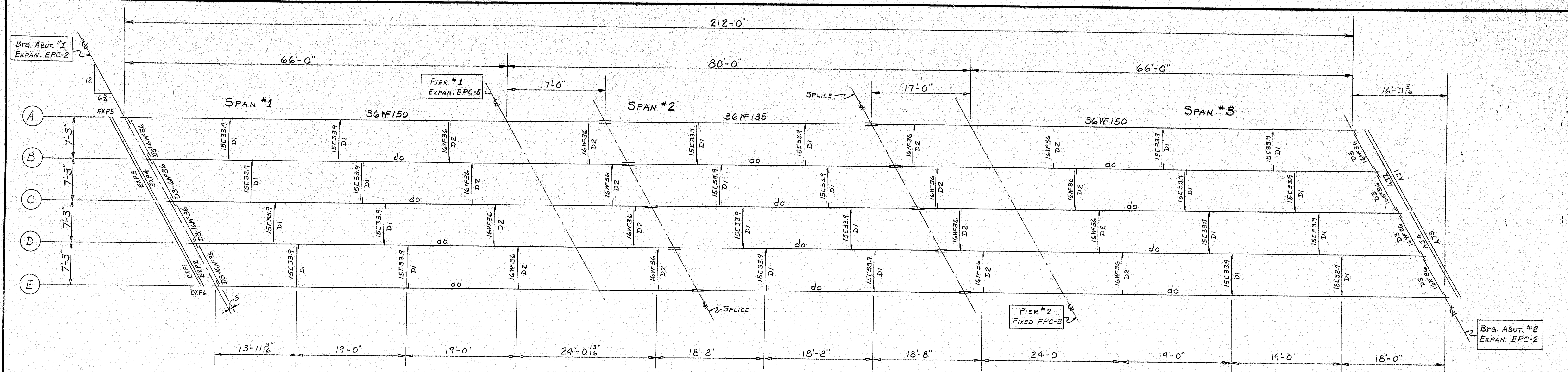
SCALE 1/2" = 1'-0"

FURNISHINGS TO BE SUPPLIED:
2 Straight back chairs for type A and B.
1 Straight back chair for type C.
3 Stools for type A and B.
2 Stools for type C.

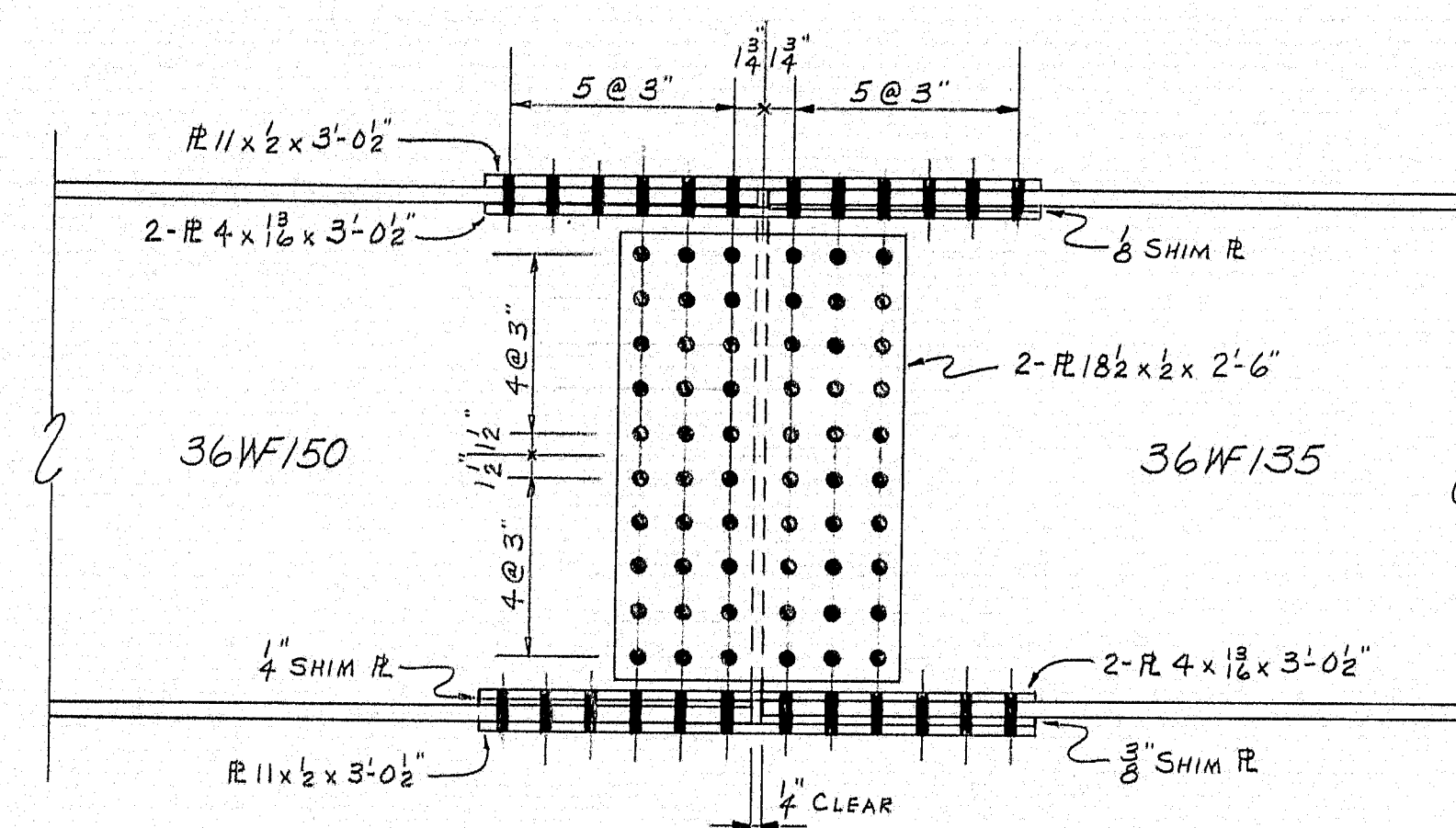
SYMBOLS:
Flourescent lights (2 light, rapid start 48" strips and 40 watt bulbs).
P.S. - Pull switch.
Duplex wall outlet - 15 amp unless otherwise noted.

97-46





FRAMING PLAN



24- 3/4" H.S. BOLTS 4" BOT. FLANGE PER SPLICE
24- 3/4" H.S. BOLTS 3 3/4" T. FLANGE PER SPLICE
60- 3/4" H.S. BOLTS 3" WEB PER SPLICE



NOTES

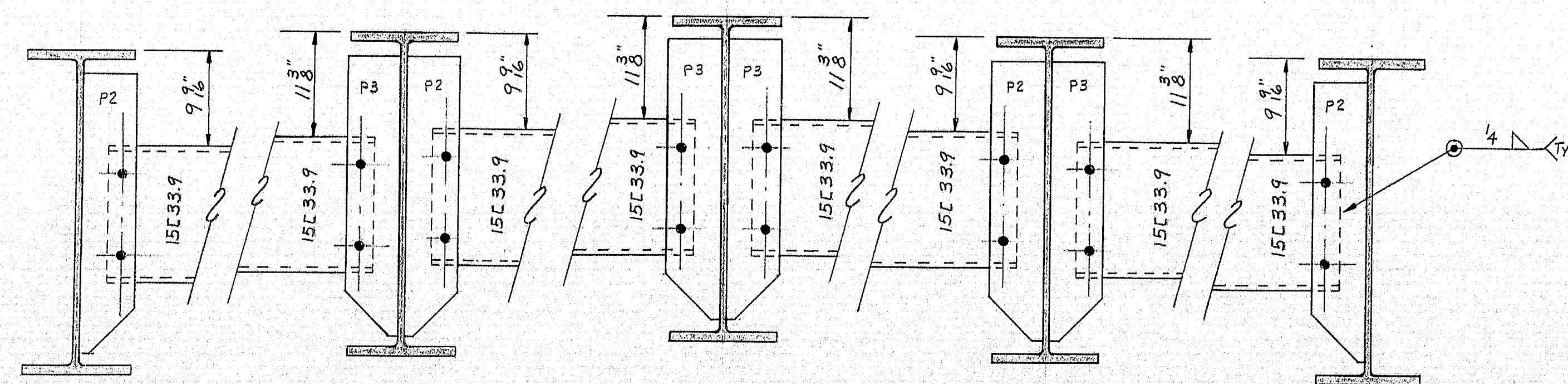
All Structural Steel shall conform to the latest revision of the specification A.S.T.M. A36 unless noted on standard details.

Bolts for splices shall be ASTM A325 7/8" heavy hexagon structural bolts with heavy semi-finished hexagon nuts and one hardened washer.

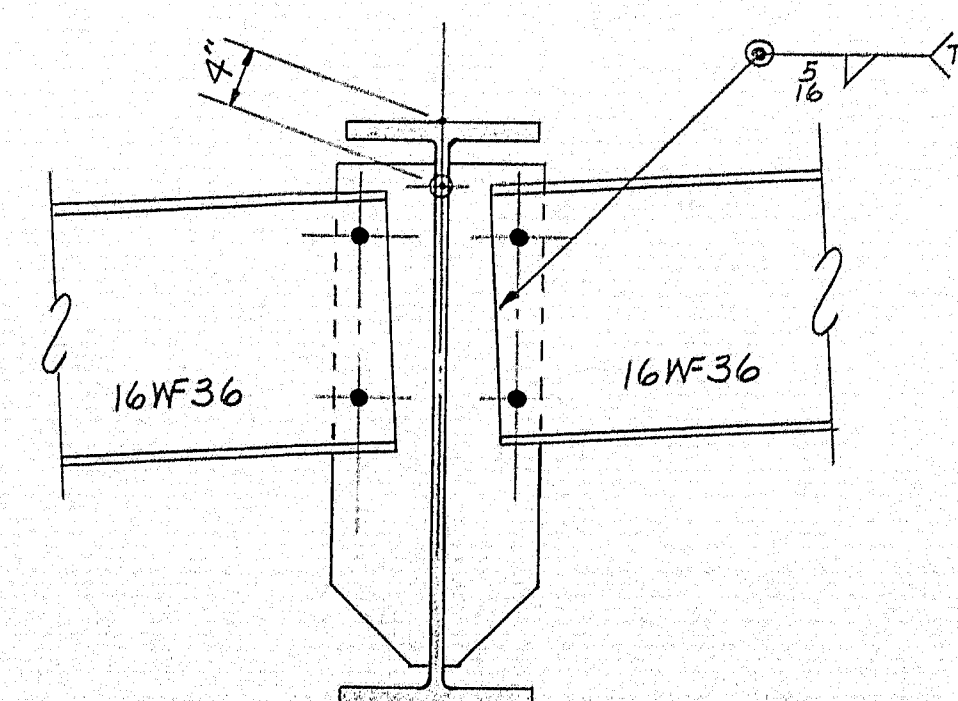
Holes in stringers are for high strength bolts, they are to be free from burrs, there shall be no paint within three inches from such holes.

Sub punch or drill 11/16" : reams assembled (not with template) parts to be connected in field to 15/16" or drill from solid.
Match XXXX Mark all connecting parts before disassembling and supply Engineer with a diagram showing match marks.

Fabricate and erect in accordance with M.S.H.O. standard specifications.



TYP. DIAPHRAGM CONNECTION



TYP. DIAPHRAGM CONNECTION

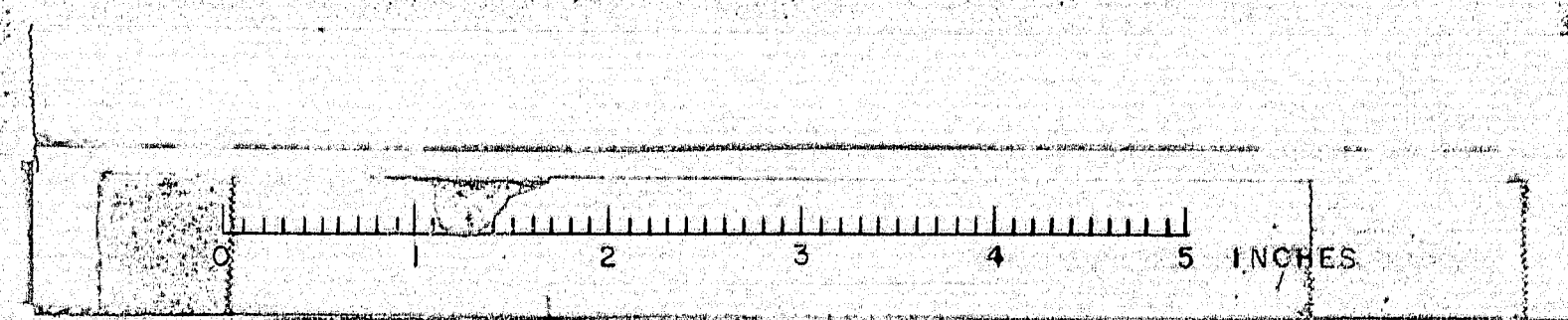
SHOP CONNECTIONS:
FIELD CONNECTIONS:
HOLES:
PAINT:

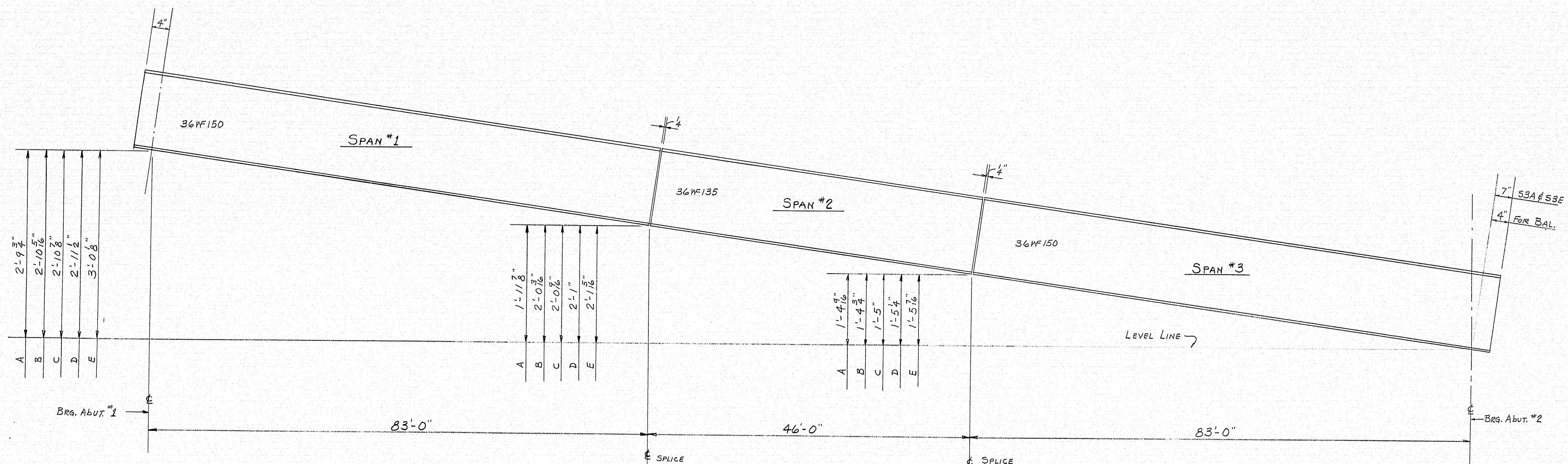
Proj. No. I-95-9(44) 278

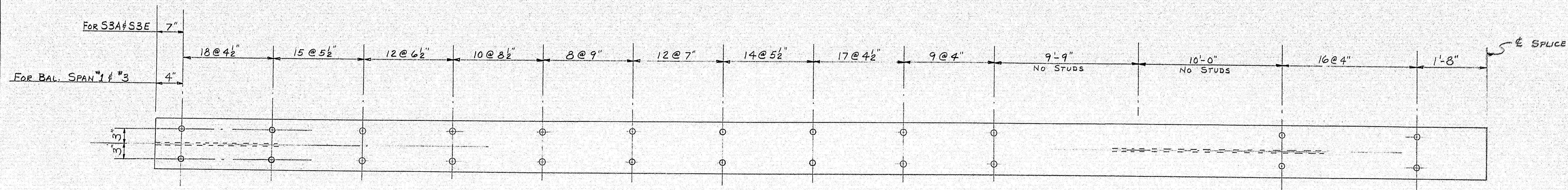
FRAMING PLAN

PRINT ISSUE		Bancroft & Martin Inc. Brewer, Maine	
5	S.H.C.	11-25-65	U.S. ROUTE 2 OVER I-95
3	CUST.	11-24-65	DYER BROOK, MAINE
1	SHOP	11-24-65	
2	F.A.	11-10-65	CUSTOMER CLANCHETTE BROS. INC.
DRAWN	10-21-65	C.J.M.	DESIGNER STATE HIGHWAY COMMISSION
REVISION			
REVISION			
REVISION			
ORDER	VERBAL		DWG. B65-275-E1

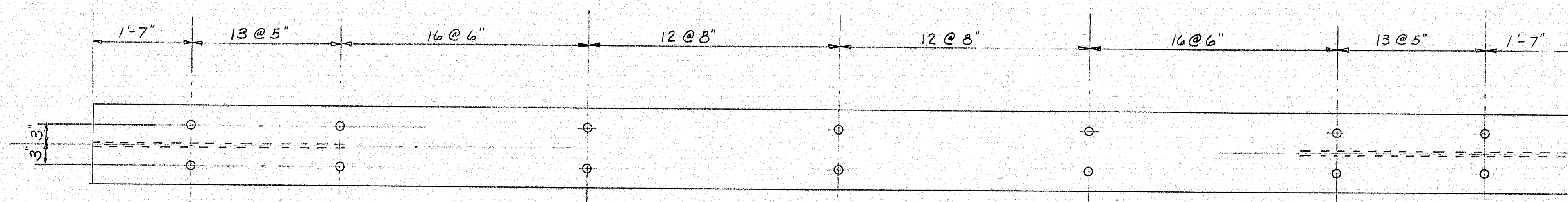
97-53



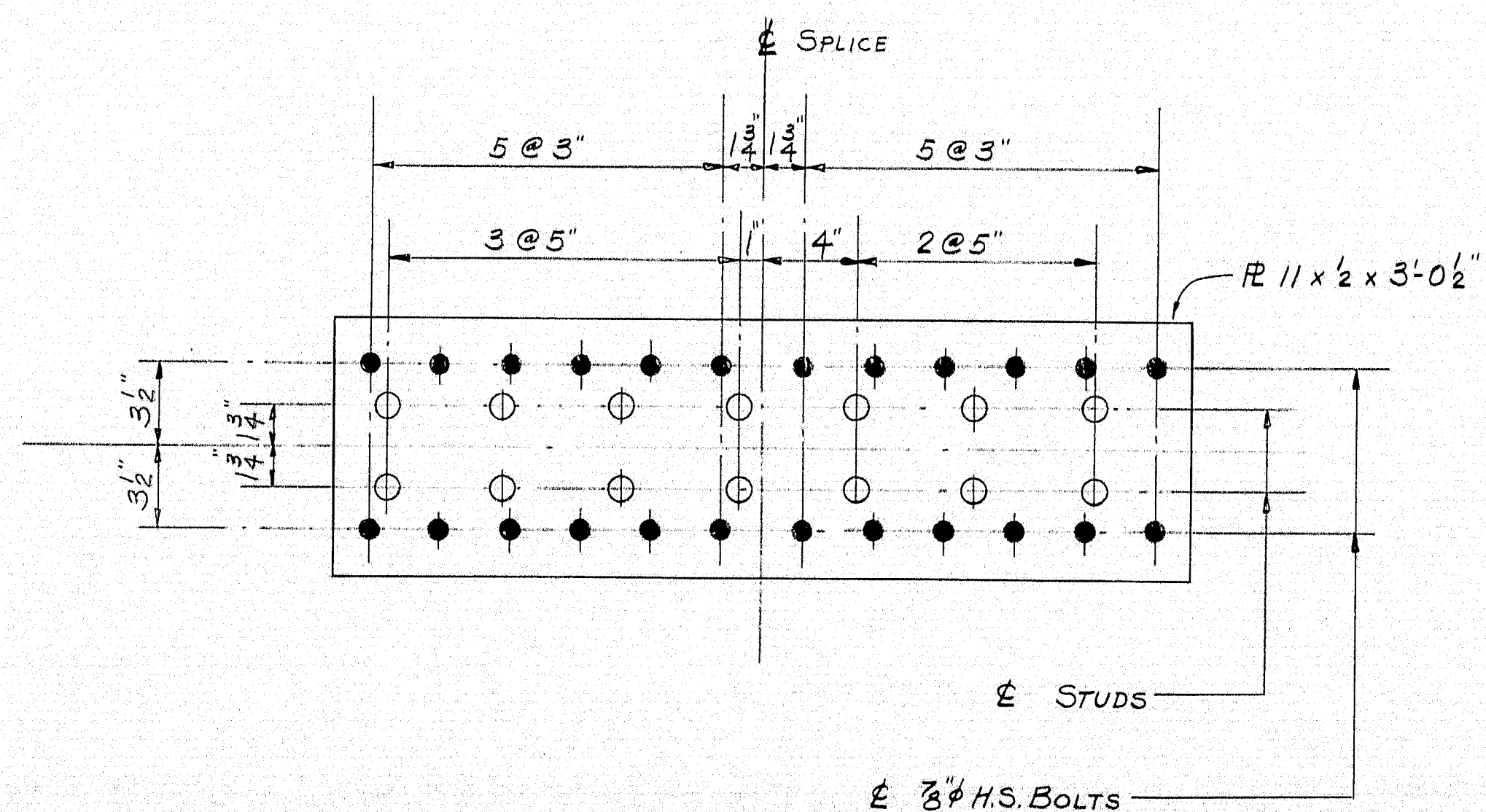




STUD LAYOUT FOR SPAN #1 & #3



STUD LAYOUT FOR SPAN #2



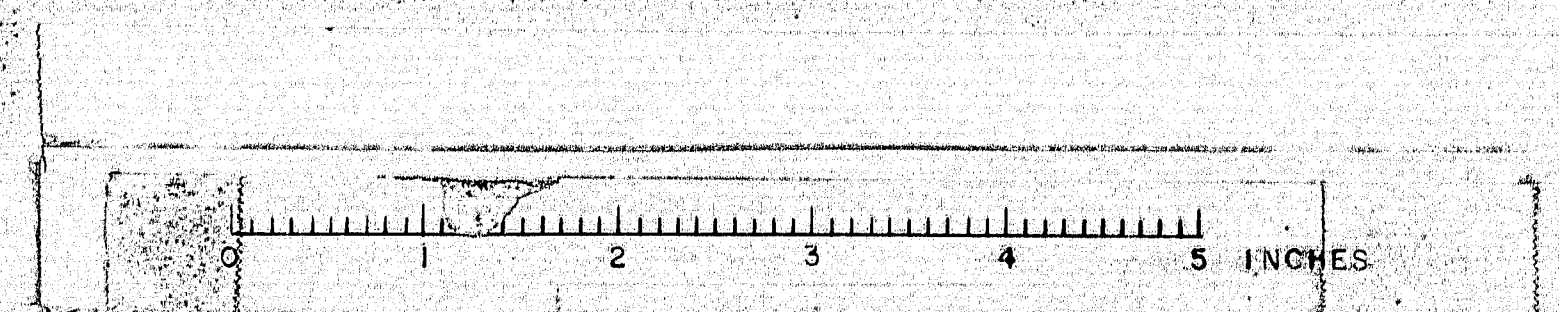
STUD DETAIL AT SPLICE

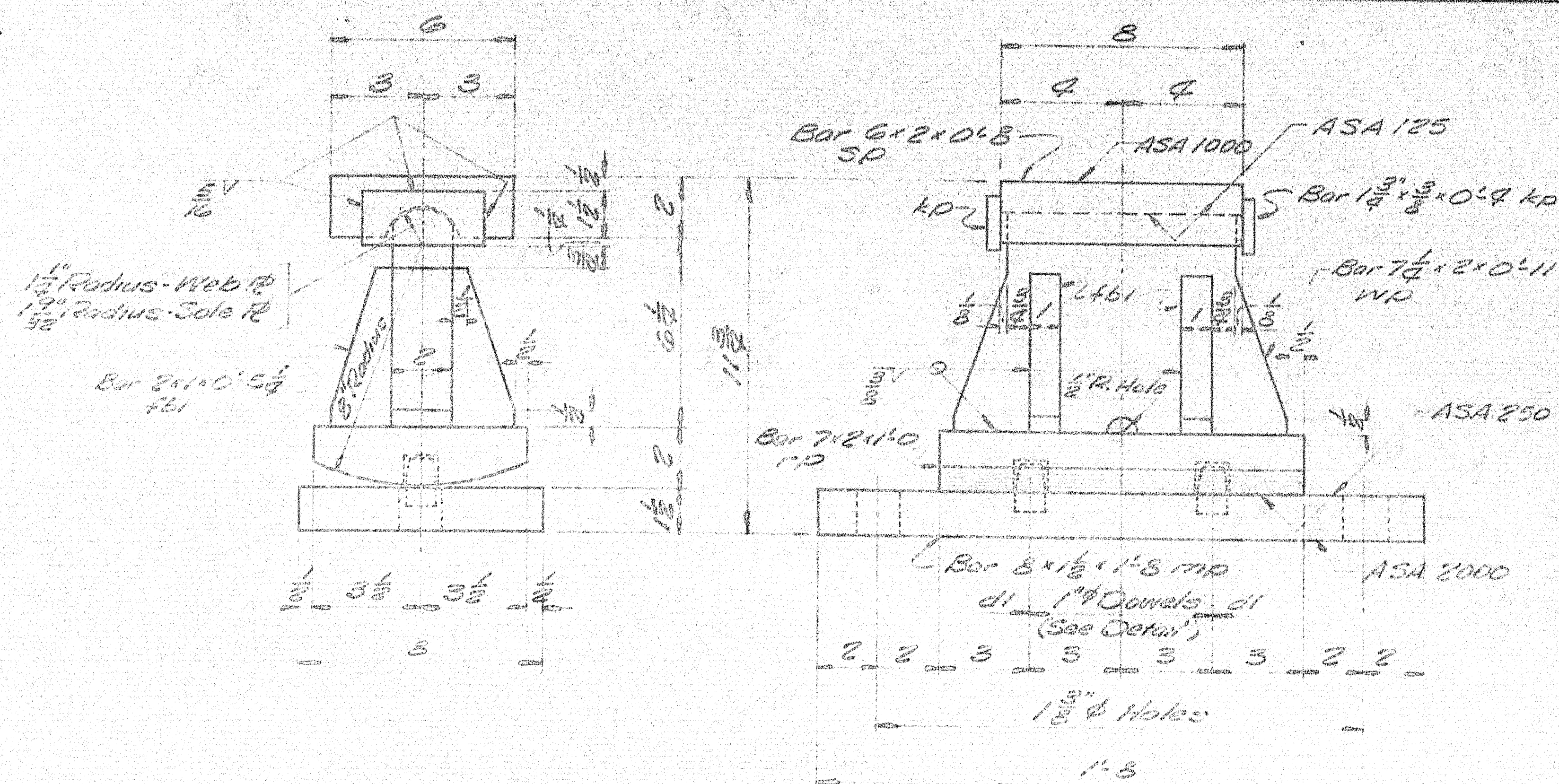
SHOP CONNECTIONS: WELD
FIELD CONNECTIONS: —
HOLES: —
PAINT: —

Proj. No. I-95-9(44) 278

STUD LAYOUT			<i>Bancroft & Martin Inc.</i> <i>Brewer, Maine</i>
PRINT ISSUE			
			U.S. ROUTE 2 OVER I-95 DYER BROOK, MAINE
3	SHOP	12-1-65	
5	S.H.C.	11-24-65	
3	CUST.	11-24-65	
2	SHOP	11-24-65	
2	F.A.	11-10-65	
DRAWN	10-29-65	C.J.M.	CUSTOMER CIANCHETTE BROS. INC. DESIGNER STATE HIGHWAY COMMISSION
REVISION	12-1-65	C.J.M.	
REVISION			
REVISION			
ORDER VERBAL			DWG. B65-275-E3

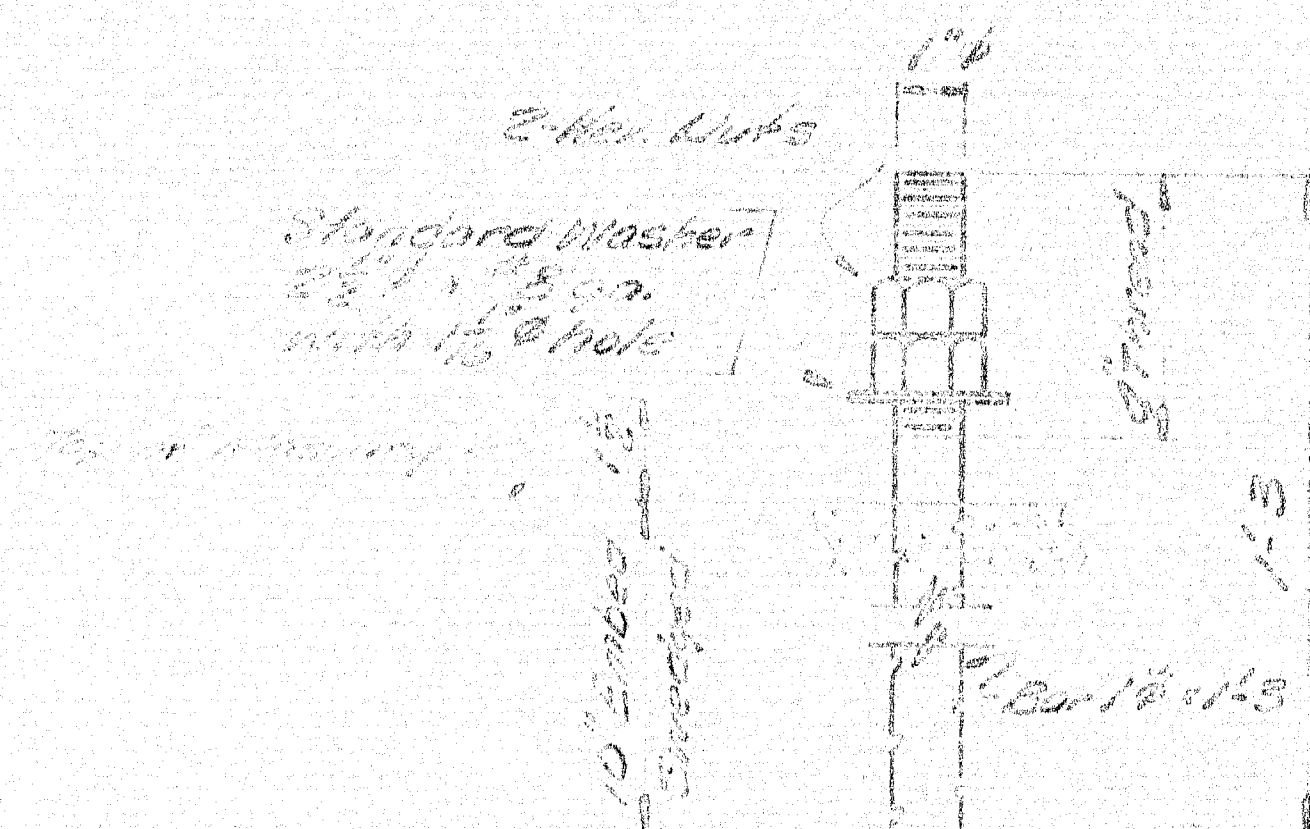
97-55





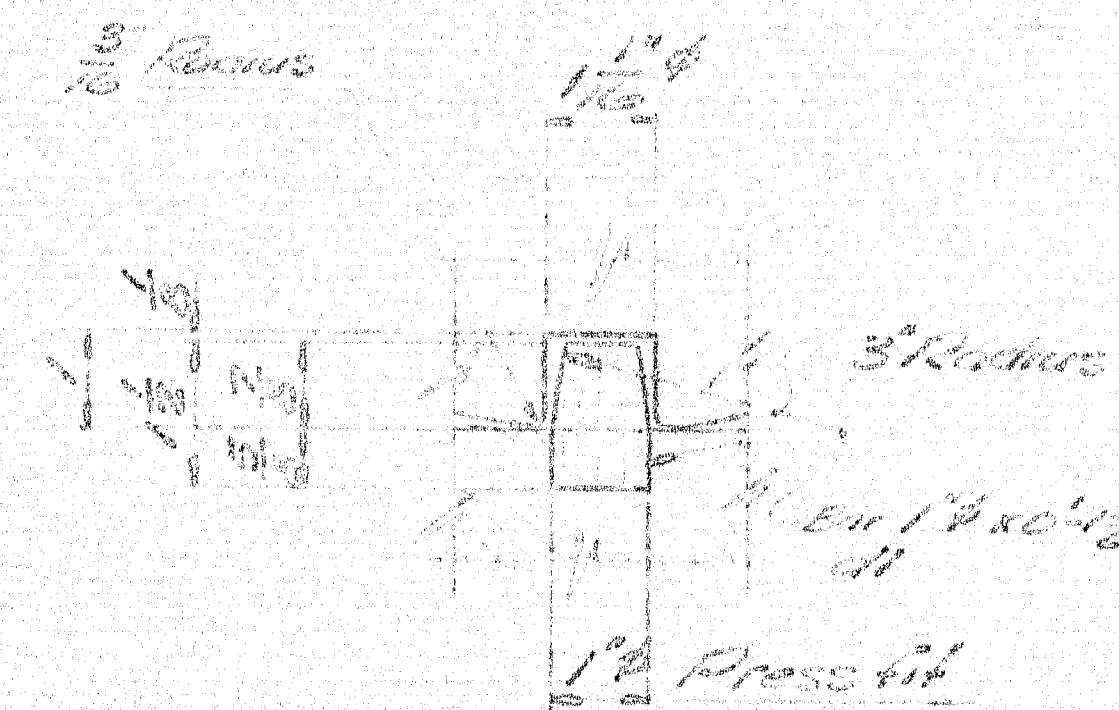
EXPANSION PEDESTAL EPC-2

10- REQ'D.



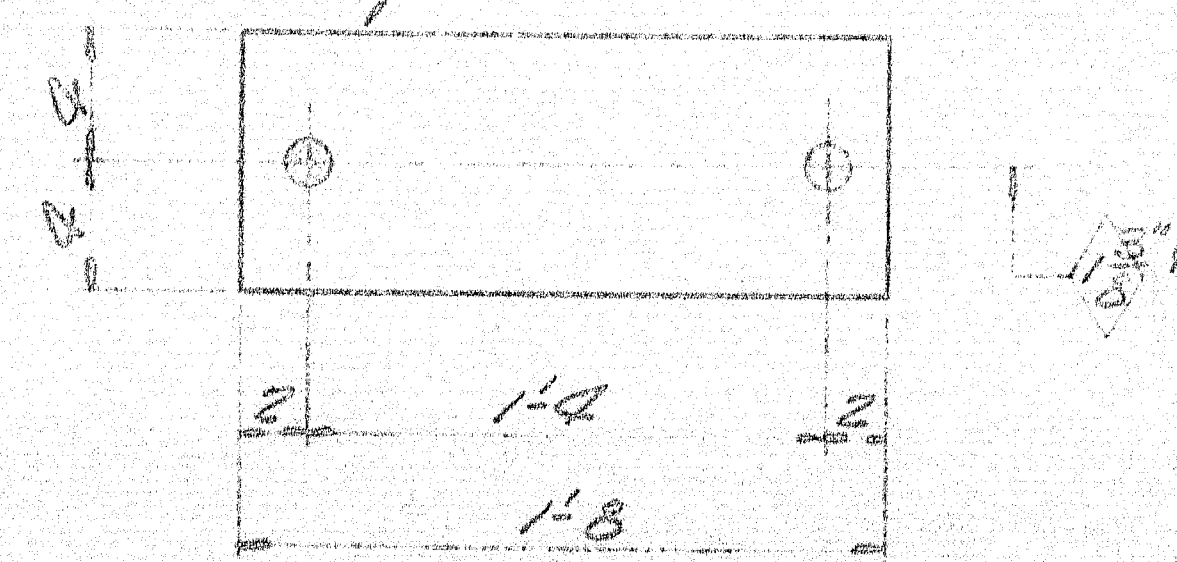
ANCHOR BOLT ABI

20- REQ'D.



DOWEL DETAIL

Fabco Pad "SA47"
3x5x1 1/8



FABCO "SA47" PAD

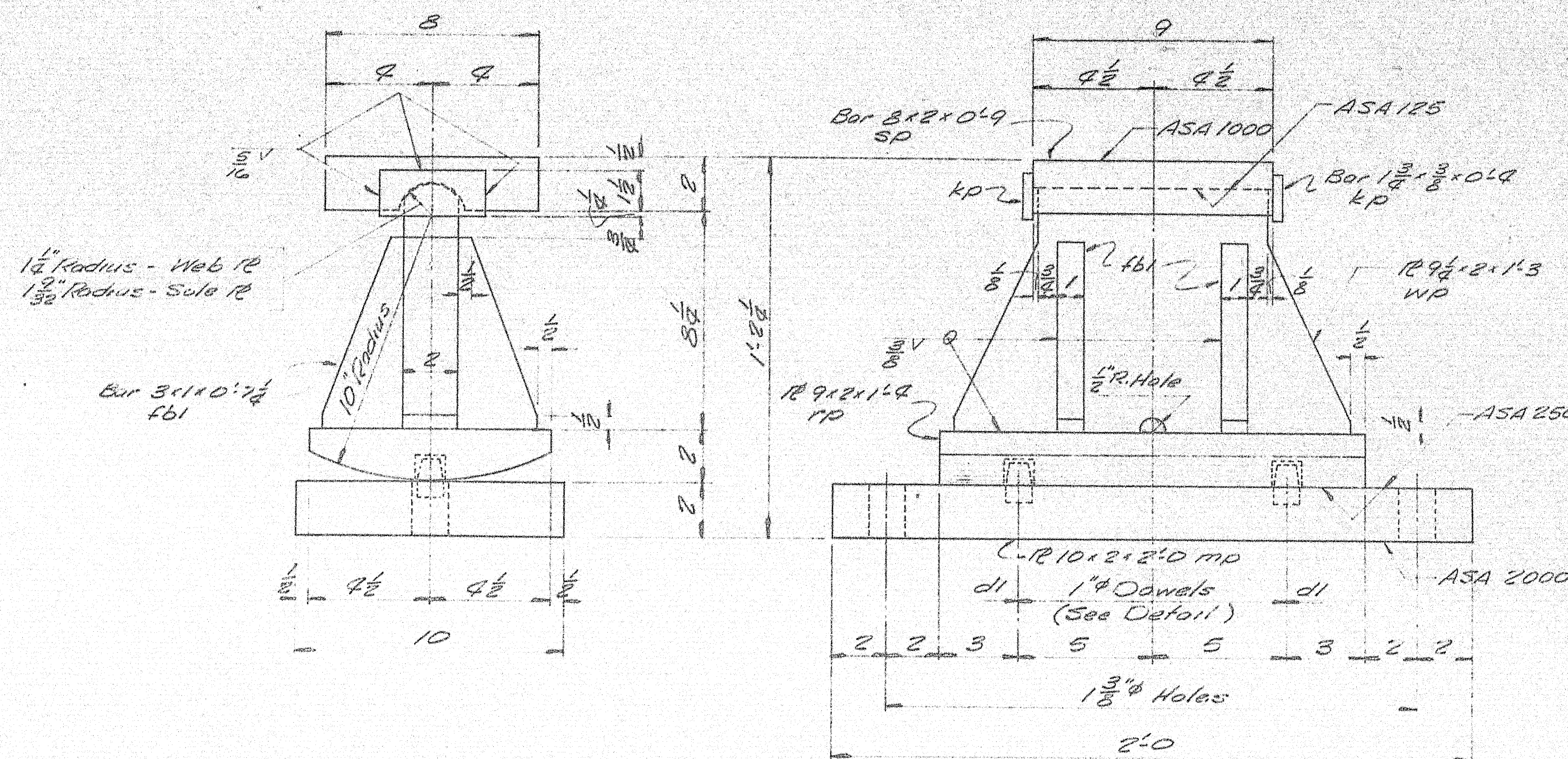
FP 10- REQ'D.

PAINT NOTE:

1. Paint on top of sole plates "SP" and 1" down from top on sides, coat with boiled linseed oil.
2. No paint on surface with ASA 125 finish, coat with mixture of white lead and tallow.
3. No paint on Anchor bolts - oil flats.

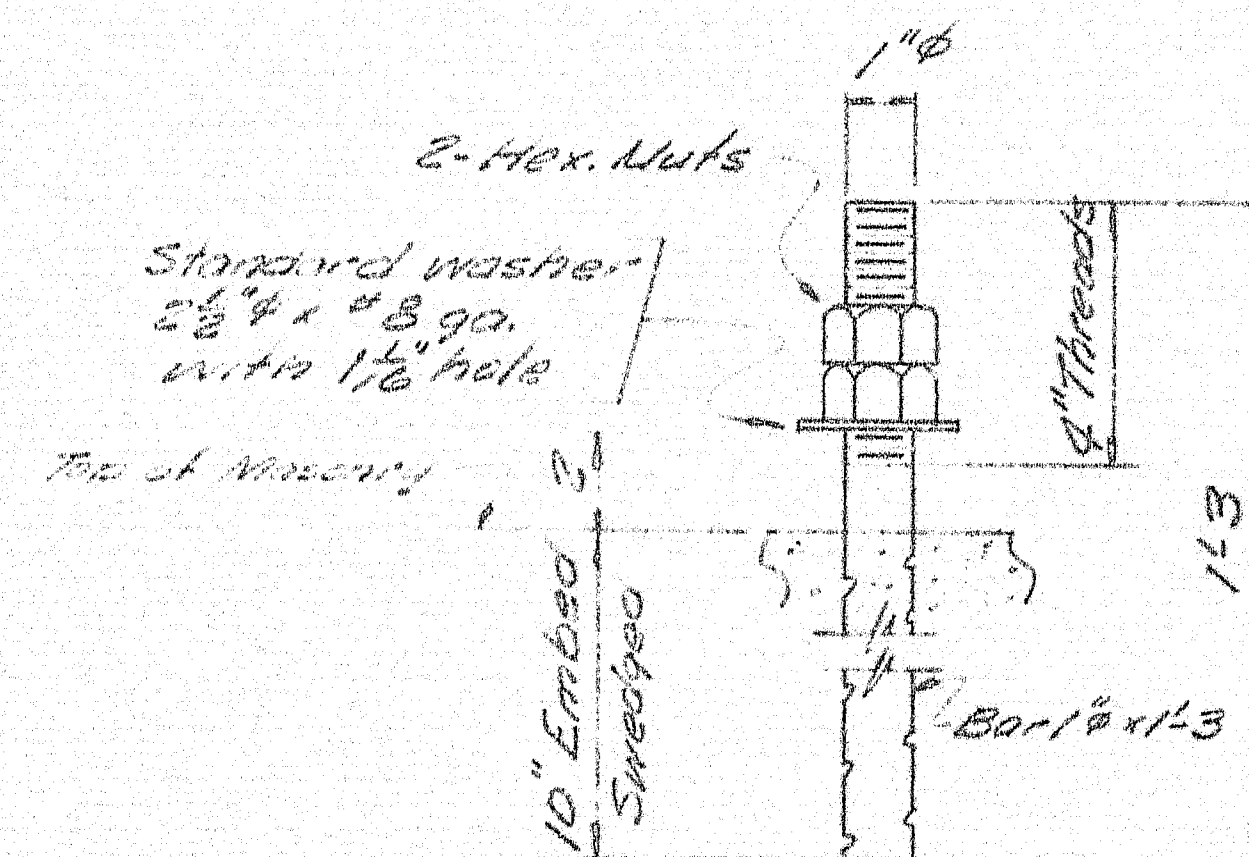
SHIP		BILL OF MATERIAL				DWG. NO. B65-275-S							
MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS							
EPCE	10		EXPANSION PEDESTAL ASSY.										
	10	MD	Bar 8"x1 1/2"	1 3/8									
	10	MD	Bar 7"x2"	1 0									
	10	MD	Bar 7 1/2"x2"	0 11									
	10	SP	Bar 6"x8"	0 8									
	40	FB	Bar 2"x1"	0 5 1/2									
	20	dl	Bar 1 1/2"	0 1 1/2									
	20	KP	Bar 1 1/2"	0 9		SHIPPED 11-3-65							
ABI	20		Bar 1 1/2"	1 3		Swedged							
	40	Shop	1" High. Washer										
Field	20		1" Washer			Std. Washer - 2 1/2" O.D. x 3/8" hole							
FP	10		Pad 3"x5 1/8"	1 3		Fabco Pad "SA47" Req. No.							
<div>Rea # 3908</div> <p>Approved to be made for Machining when cutting above plates.</p> <p>ITEM PROJECT NO. I-95-9(44) 278</p> <p>Sole plates "SP" to be field welded to SP plates.</p> <p>Shoring material to be ASTM A36, Anchor Bolts to be A7, A36, or A307.</p> <p>All welds to be made with E70 Electrodes.</p> <p>SHOP CONNECTIONS: Welded</p> <p>FIELD CONNECTIONS: Welded</p> <p>HOLES: As Noted</p> <p>PAINT: Red lead per Maine S.H.C. Spec, and as noted.</p>													
APPROVED 11-2-65													
BEARING PEDESTAL DETAIL													
Bancroft & Martin Inc.													
Leath Portland 7, Maine													
U.S. ROUTE 2 OVER I-95													
DYER BROOK, MAINE													
CUSTOMER CIANCHETTE BROS. INC.													
DESIGNER M.S.H.C. BRIDGE DIV.													
ORDER NO. VERBAL													
DWG. NO. B65-275-S1													

97-56



EXPANSION PEDESTAL EPC-5

5 - REQ'D.

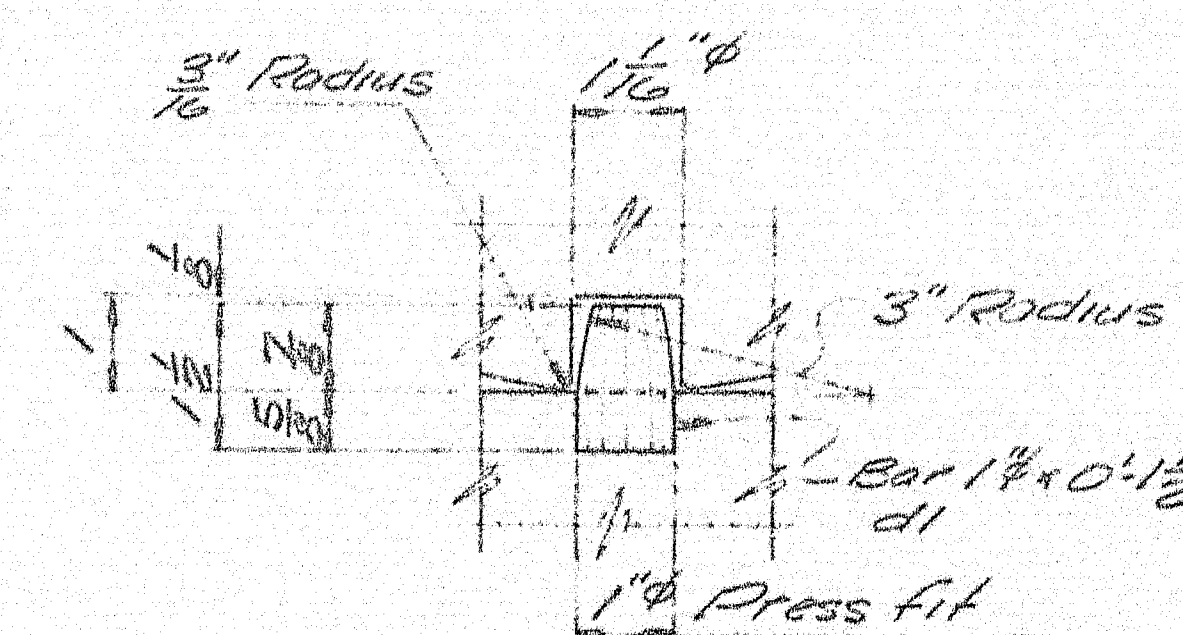


ANCHOR BOLT ABI

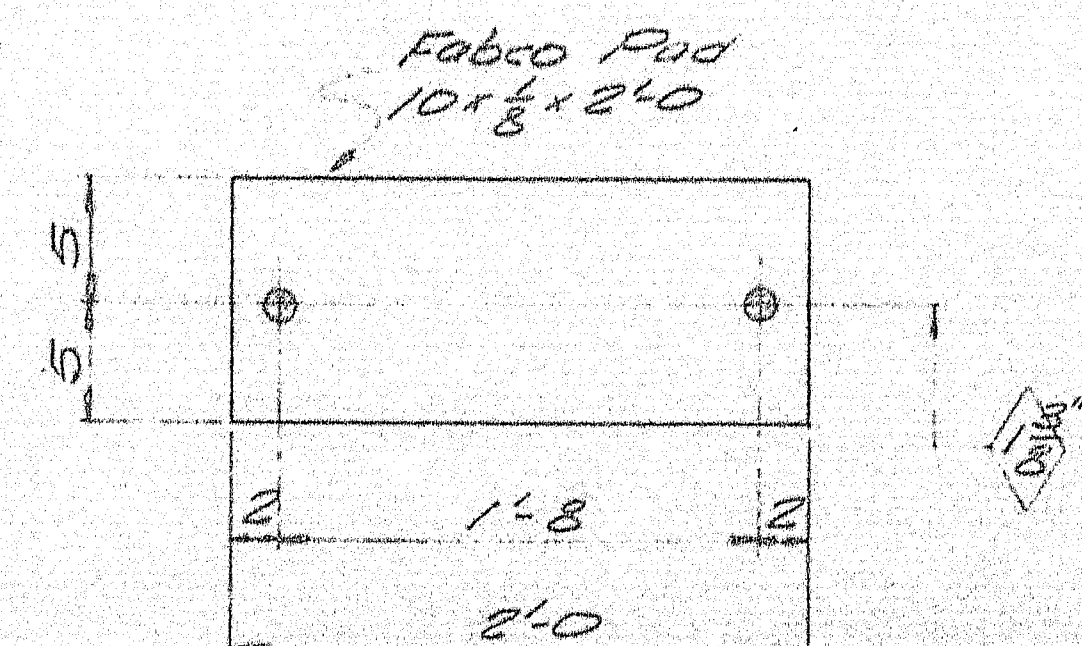
10 - REQ'D.

PAINT NOTE:

No paint on top of sole plates "sp" and 1" down from top on sides, coat with boiled linseed oil.
No paint on surface with ASA 125 finish, coat with mixture of white lead and tallow.
No paint on Anchor bolts - oil thds.



DOWEL DETAIL

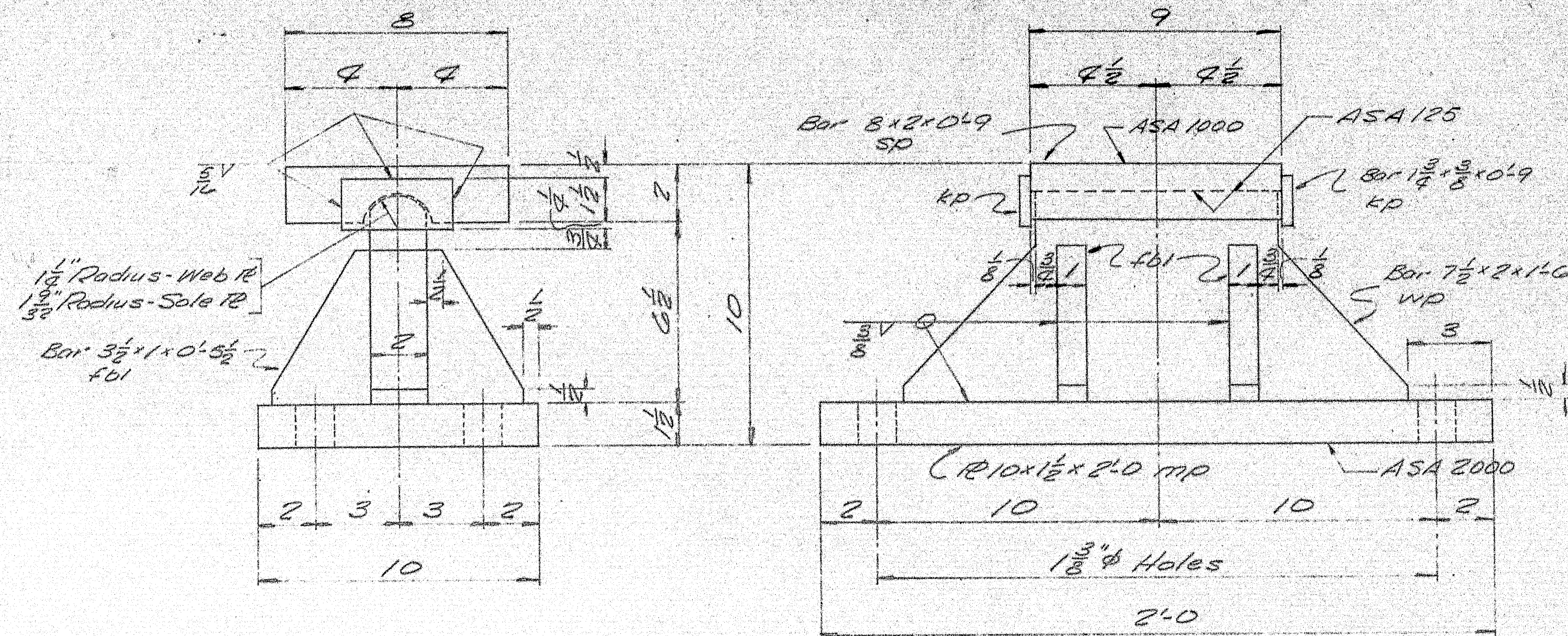


FABCO "SA47" PAD

FP 5 - REQ'D.

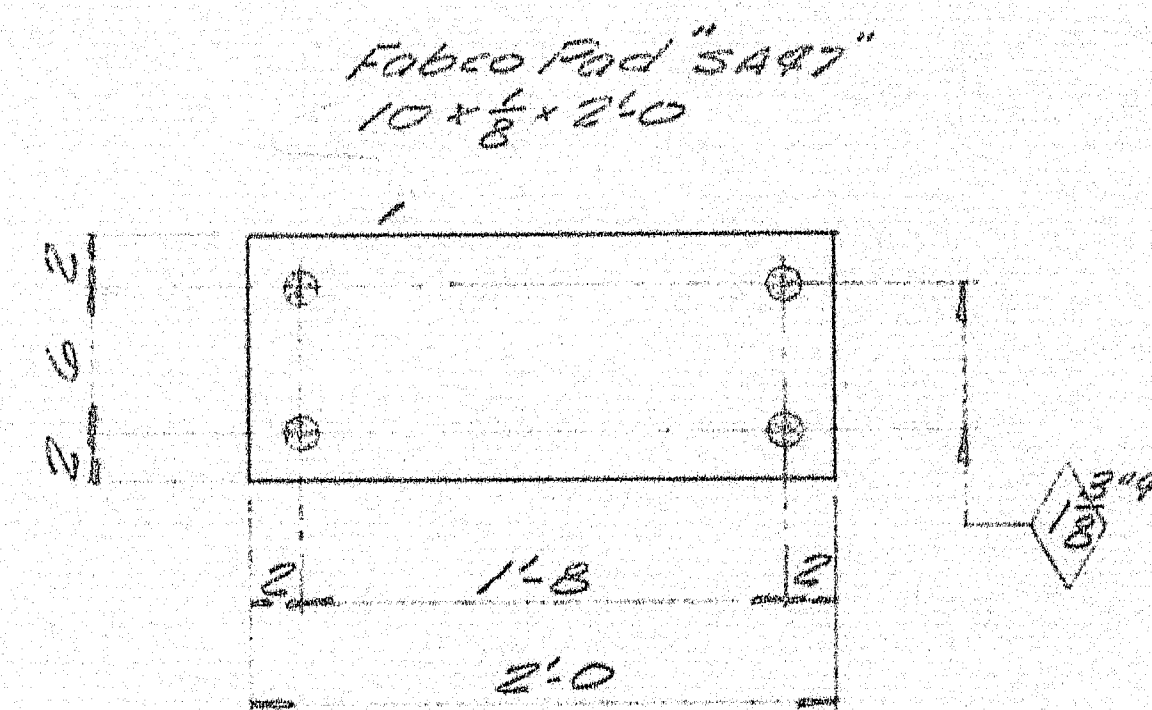
SHIP		BILL OF MATERIAL				DWG. NO. B65-275-52
MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
EPCS	5		EXPANSION PEDESTAL ASSY.			
	5	MD	R10x12	2'0"		
	5	RP	R9x2	1'4"		
	5	MD	R9x2	1'3"		
	5	SO	Bar 8x2	0'9"		
	20	fbi	Bar 3x1	0'7"		
	10	dl	Bar 1 3/8	0'1 1/2"		
	10	kp	Bar 1 3/8	0'9"		SHIPPED 11-3-65
ABI	10		Bar 1 3/8	1'3"		Shipped
	20	shop	1" Washer			Std. Washer - 2 1/2" dia. x 1/8" gpd. with 1/8" hole.
FP	5		Pad 10x1/8	2'0"		Fabco Pad "SA47" Req. No.
<p>Allowance to be made for machining when cutting above plates.</p> <p>ITEM PROJECT NO. I-95-9(44) 278</p> <p>sole plates "sp" to be field welded to stringers.</p> <p>Bearing material to be ASTM A36. Anchor bolts to be A7, A36, or A307. All welds to be made with E70 Electrodes. SHOP CONNECTIONS: Welded FIELD CONNECTIONS: HOLES: As noted PAINT: Red lead per Maine S.M.C. spec, and as noted.</p> <p>BEARING PEDESTAL DETAIL</p> <p>Buncroft & Martin Inc. South Portland 7, Maine</p> <p>U.S. ROUTE 2 OVER I-95 DYER BROOK, MAINE</p> <p>CUSTOMER: CIANCHETTE BROS. INC. DESIGNER: M.S.H.C. BRIDGE DIV.</p> <p>DRAWN: 10-22-65 C.J.M. REVISION: REVISION: REVISION:</p> <p>ORDER NO. VERBAL DWG. NO. B65-275-52</p>						

97-58



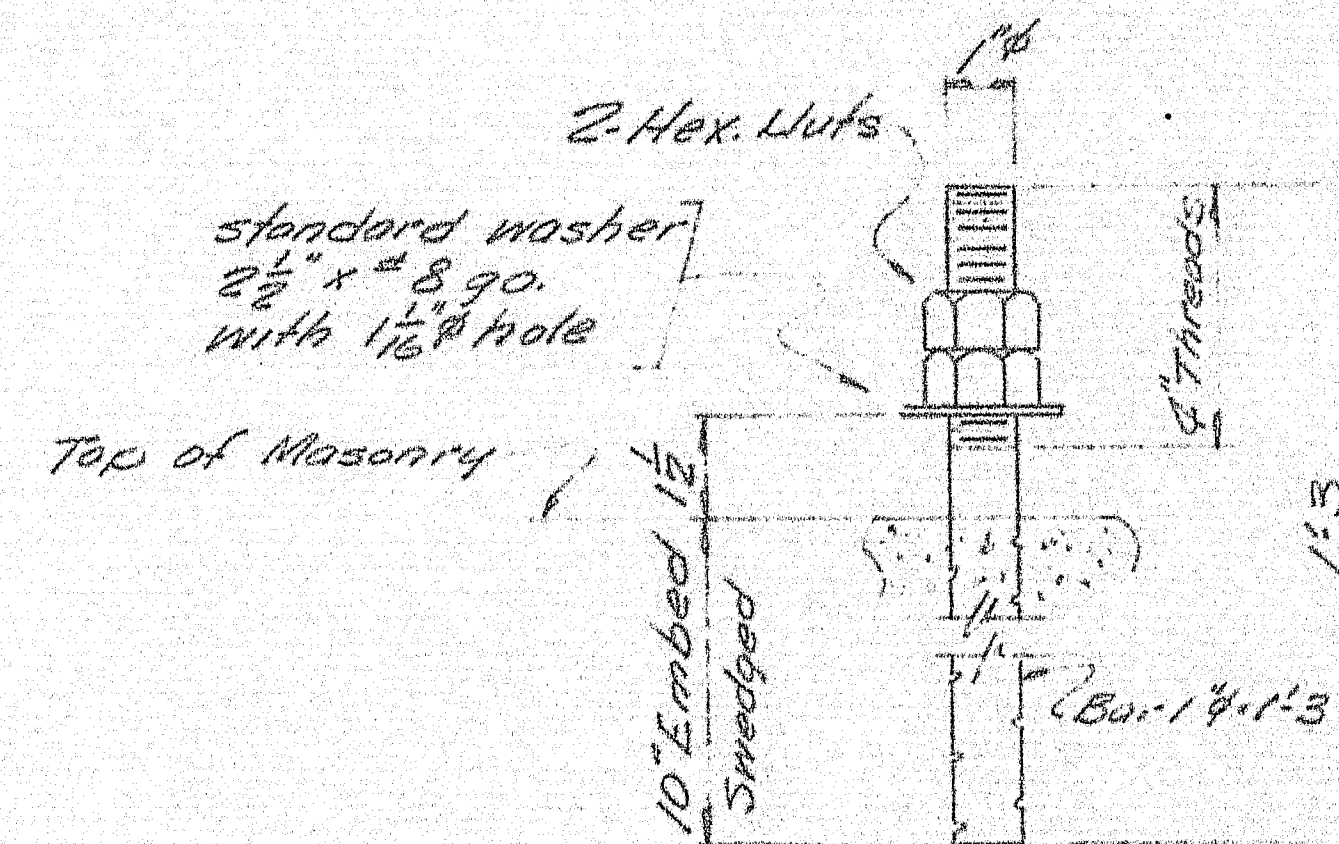
FIXED PEDESTAL FPC-3

5 - REQ'D.



FABCO "SA97" PAD

FP 5 - REQ'D.



ANCHOR BOLT ABI

20 - REQ'D.

PAINT NOTE:

No paint on top of sole plates "sp" and 1" down from top on sides, coat with boiled linseed oil.
No paint on surface with ASA 125 finish coat with mixture of white lead and tallow.
No paint on Anchor bolts - Oil them.

SHIP	MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
FPC3	5			FIXED	PEDESTAL	ASSY	
	5		MD	R 10x1 1/2	2'0		
	5		MD	Bar 7 1/2 x 2	1'6		
	5		SP	Bar 8 x 2	0'9		
	10		KP	Bar 1 1/2 x 1/2	0'4		
	20		ABI	Bar 3 1/2 x 1	0'5 1/2		
							SHIPPED 11-3-65
ABI	20			Bar 1 1/4	1'3		Swaged
	40		Ship	1" Hex Nut			
Field	20			1" washer			Std. washer 2 1/2" O.D. x 8 go. with 1/8" hole
FP	5			Pad 10x8	2'0		Fabco Pad "SA97" Req. No.

Allowance to be made for machining when cutting above plates.

ITEM PROJECT NO. I-95-9(44) 278

Sole plates "sp" to be field welded to stringers.

Bearing material to be ASTM A36, Anchor bolts to be A7, A36, or A307. All welds to be made with E70 Electrodes. SHOP CONNECTIONS: welded FIELD CONNECTIONS: HOLES: As noted PAINT: Red lead per Maine S.H.C. spec., and as noted.

BEARING PEDESTAL DETAIL

Bancroft & Martin Inc.
South Portland, Maine

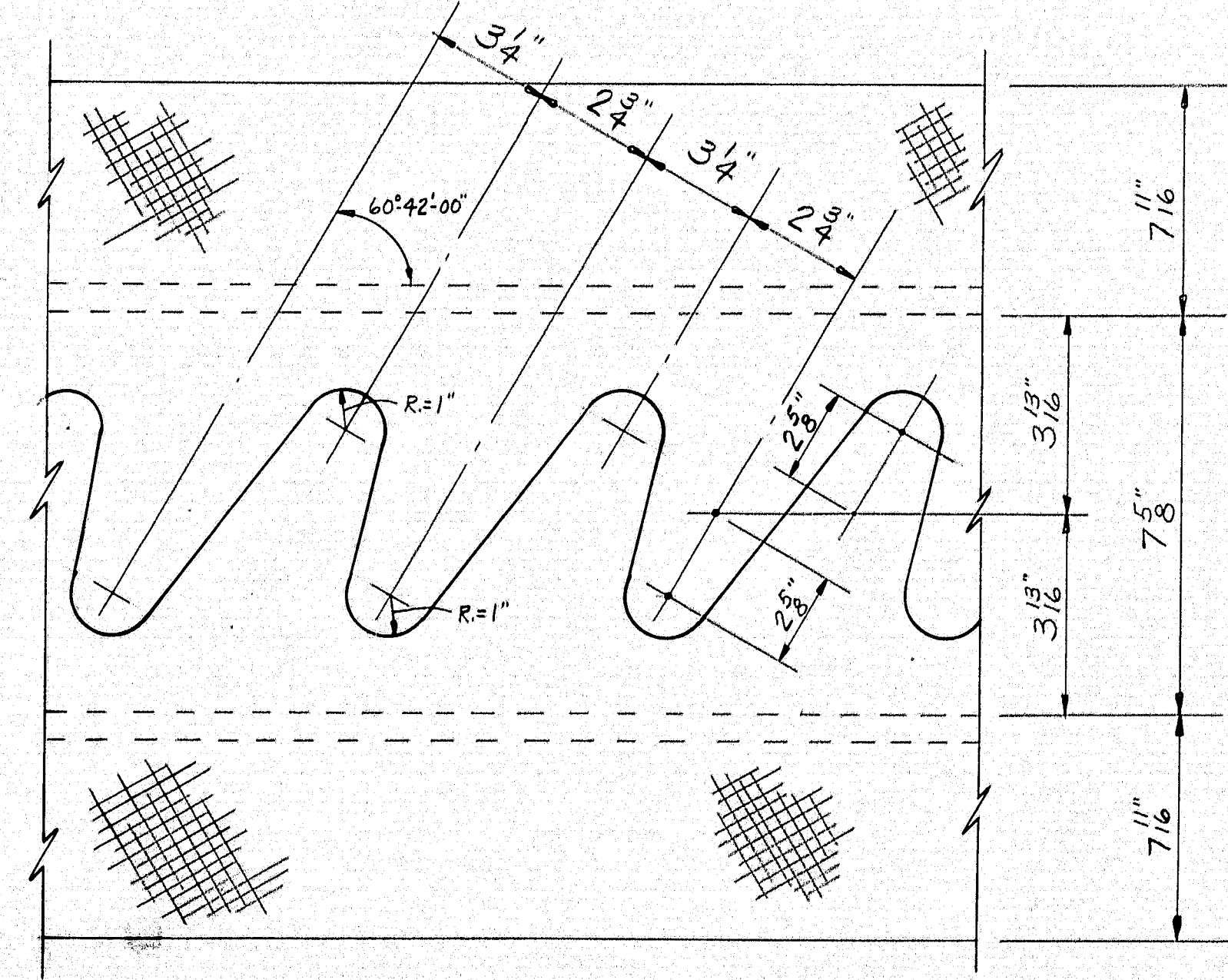
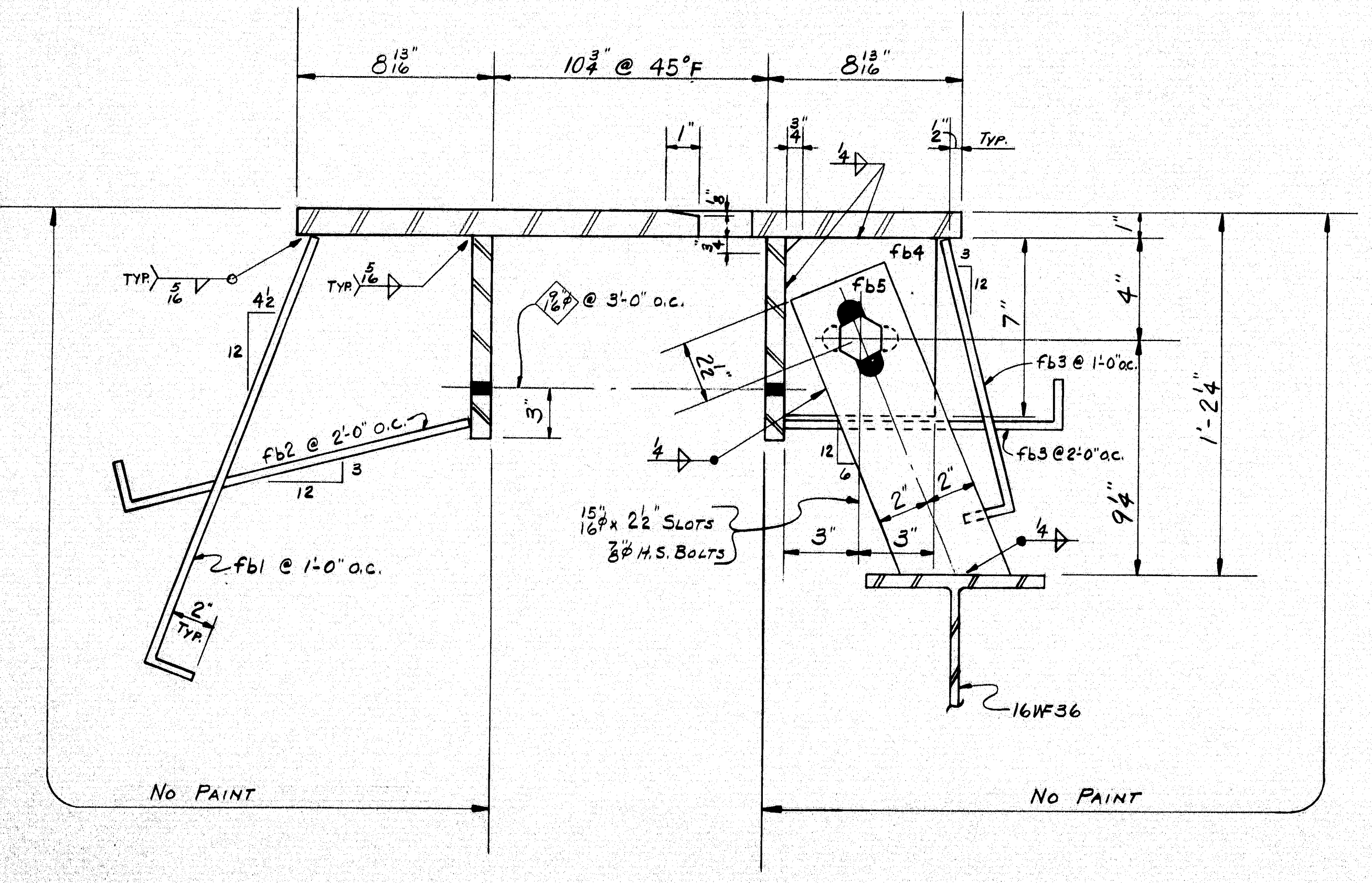
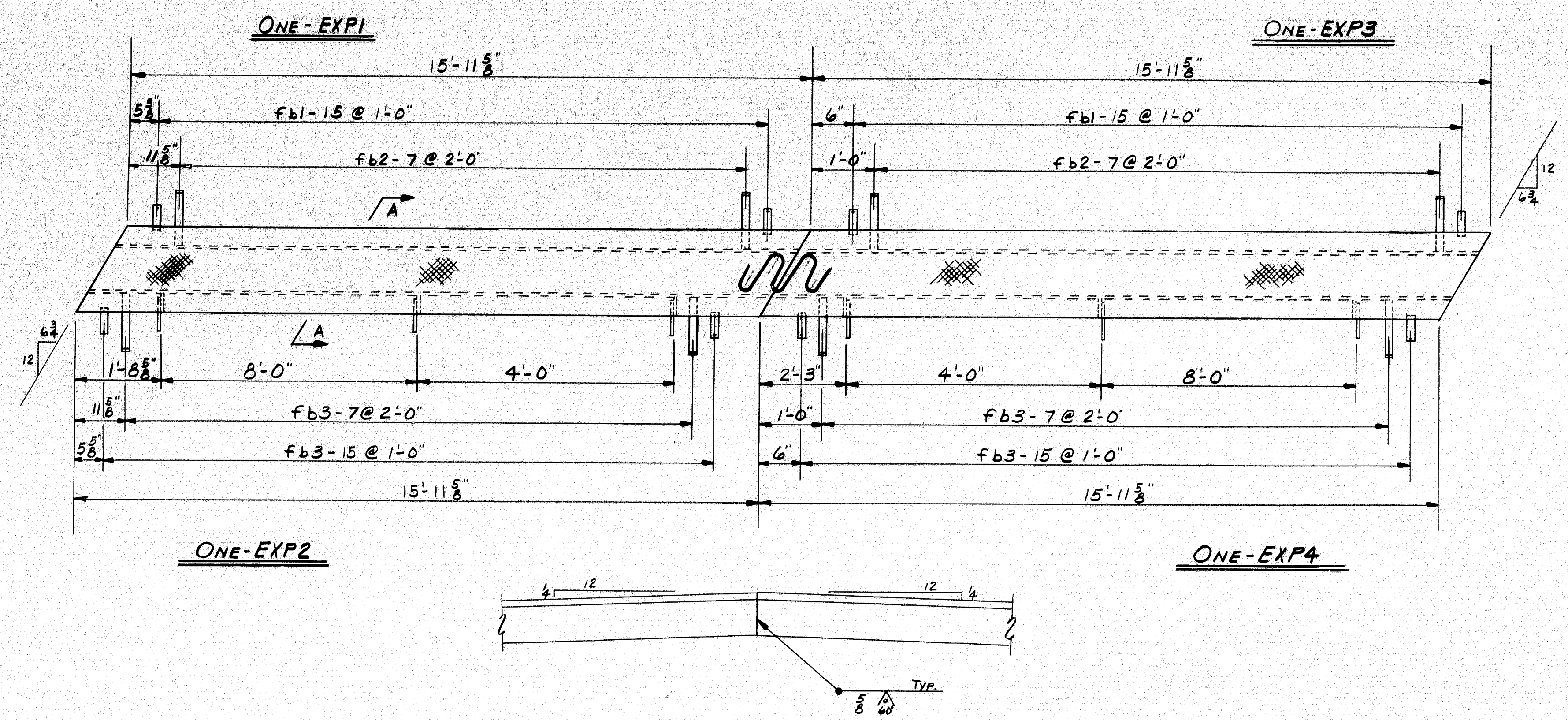
U.S. ROUTE 2 OVER I-95
DYER BROOK, MAINE

CUSTOMER: CIANCHETTE BROS. INC.
DESIGNER: M.S.I.N.C. BRIDGE DIV.

4-PART 2-1-66
5-S.H.C. 11-24-65
3-CUST. 11-24-65
4-PART 11-8-65
2-EA. 11-1-65
DRAWN 10-22-65 C.J.M.
REVISION
REVISION
REVISION

ORDER NO. VERBAL DWG. NO. 365-275-55

97-59

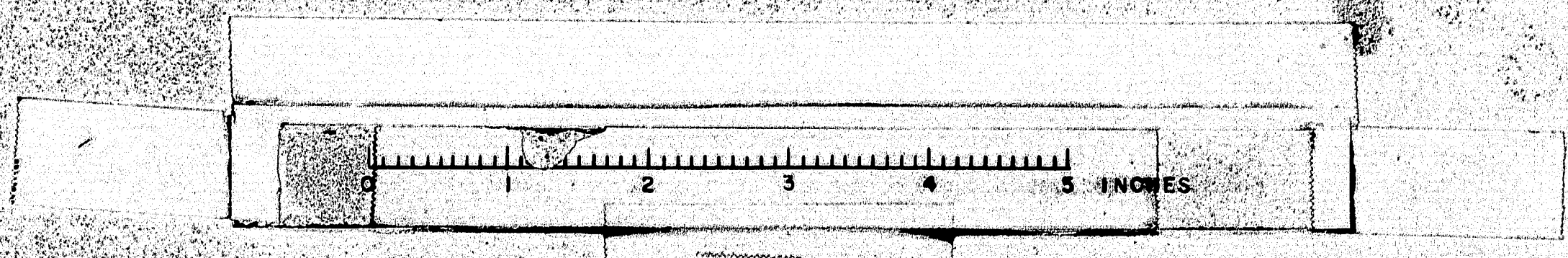


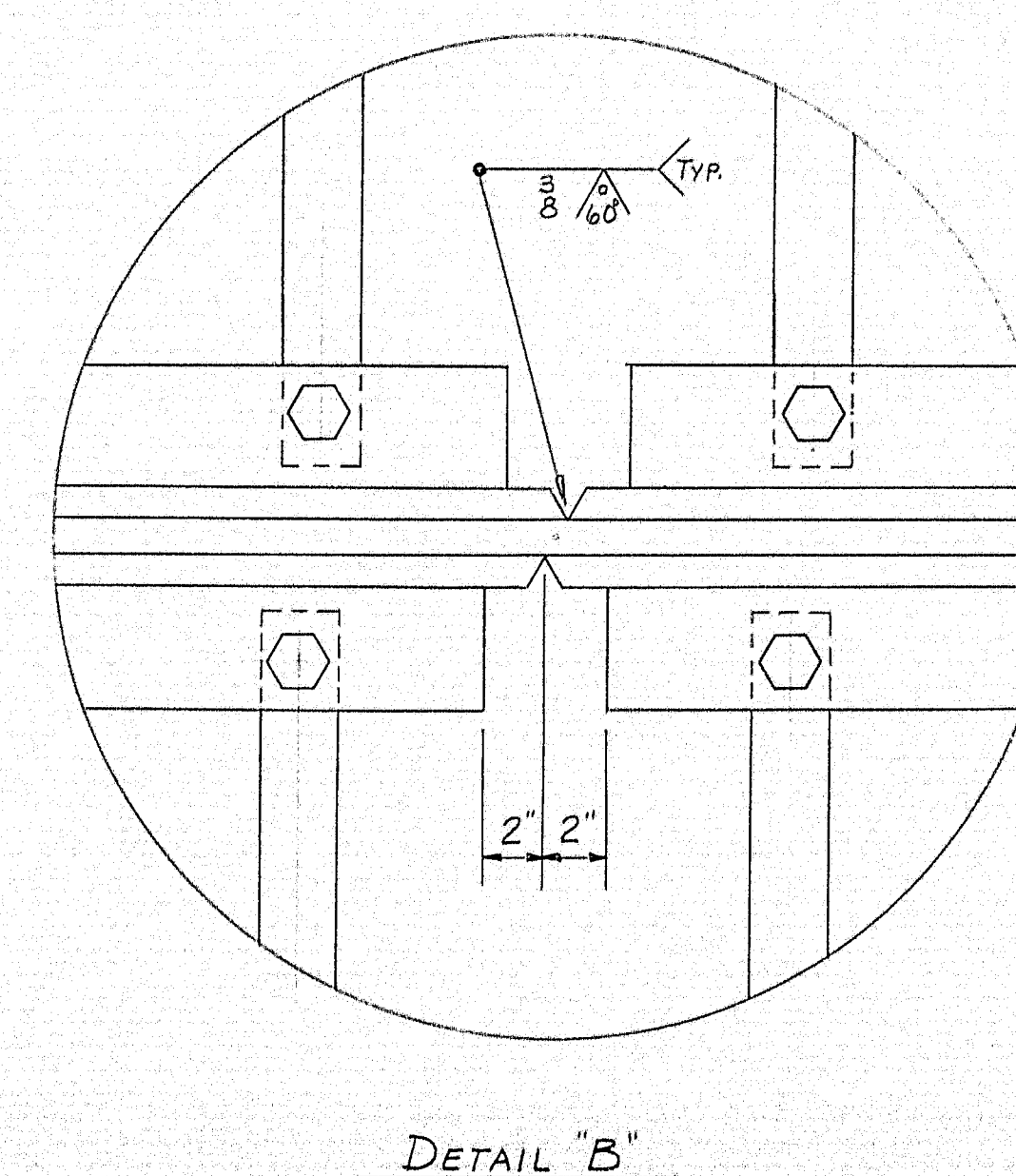
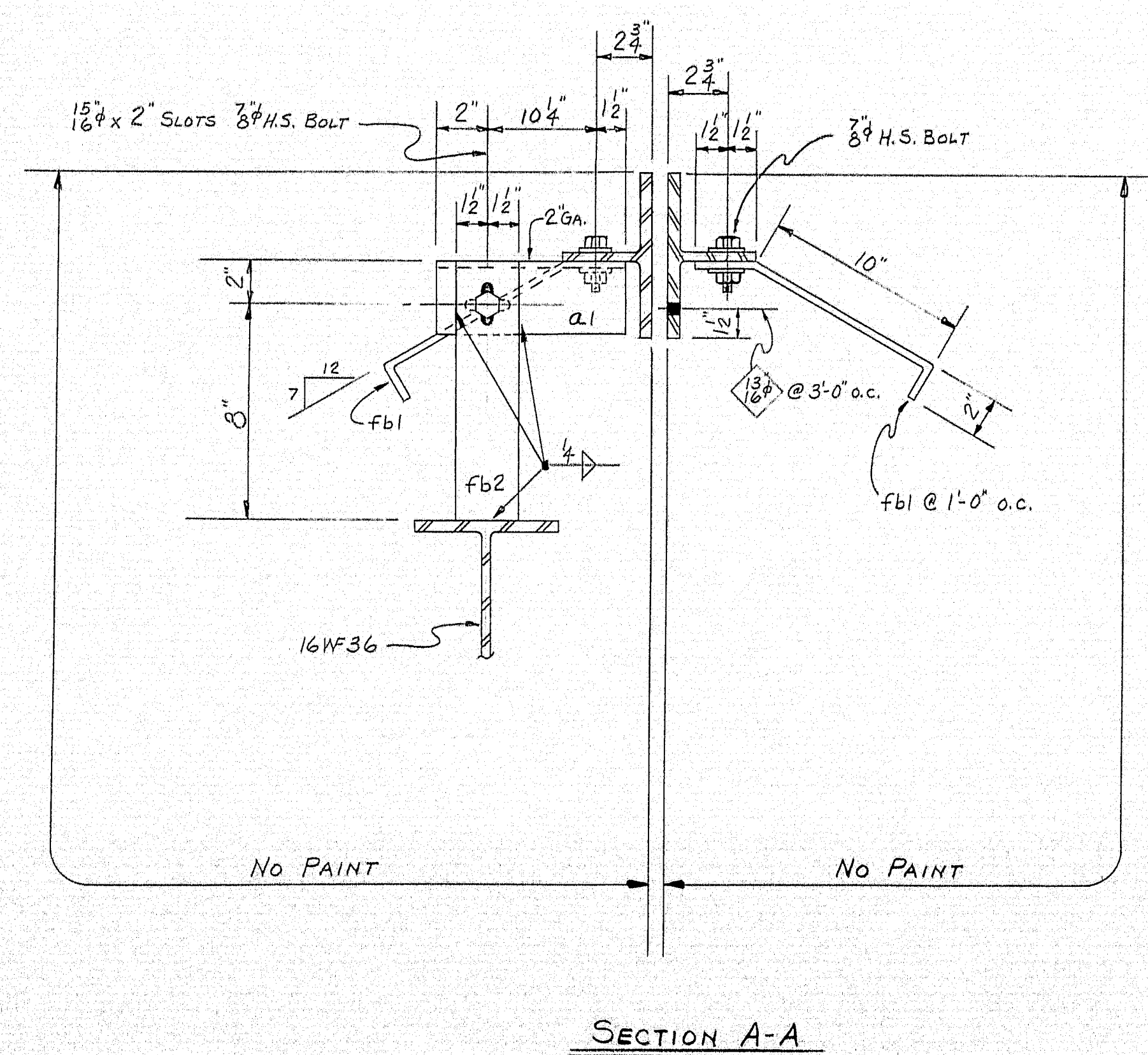
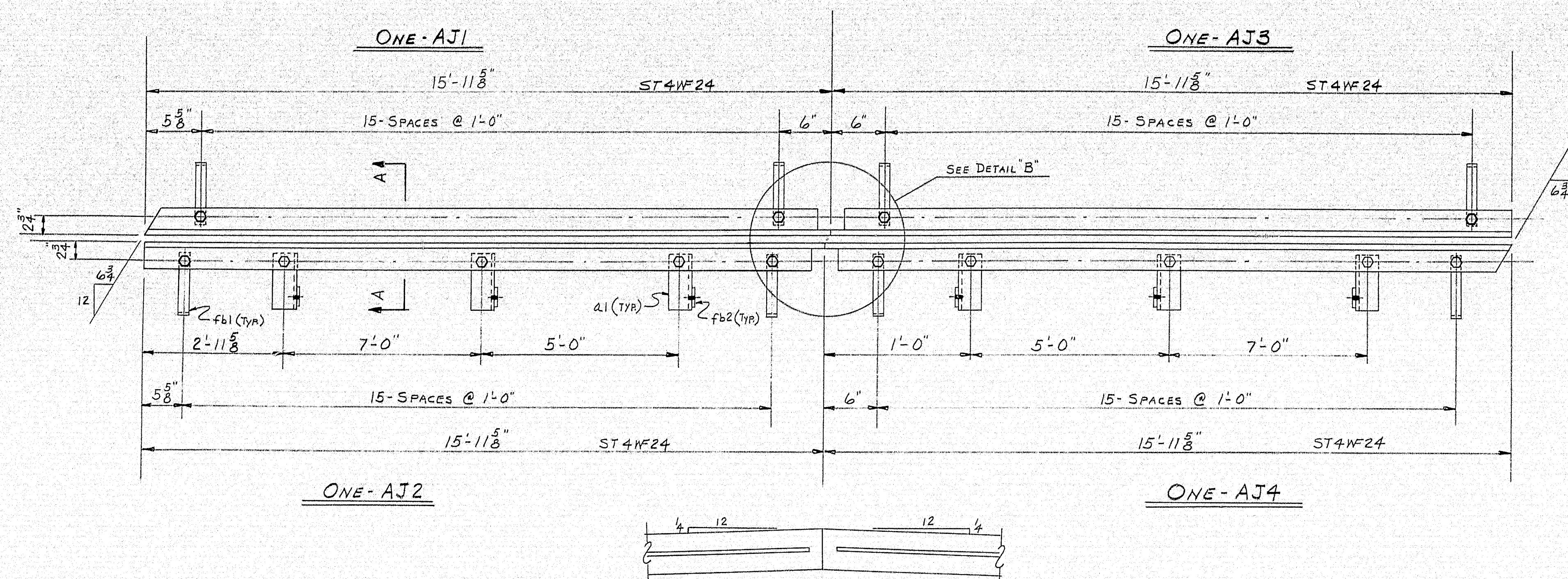
SHIP		BILL OF MATERIAL			DWG. B65-275-S4	
MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
EXP1	1		EXPAN. DAM			
EXP2	1		do			
EXP3	1		do			
EXP4	1		do			
	2		R 23 x 1	17	0 9/16	CHKD R A36
	4		R 8 x 3/4	16	0 1/16	
	32	fb1	FB. 2 x 3/8	1	8	
	16	fb2	do	1	4	
	48	fb3	do	1	1	
	6	fb4	FB. 6 x 3/8	0	7	
	6	fb5	FB. 4 x 3/8	1	1 3/8	
	6	SHOP	3/8" H.S. BOLTS	0	24	
	6	SHOP	3/8" H.S. WASHERS			

SHOP CONNECTIONS: WELD & BOLT
 FIELD CONNECTIONS: —
 HOLES: AS NOTED
 PAINT: STATE OF MAINE SPEC'S.

PROJ. No. I-95-9(44) 278		EXPANSION DAMS	
PRINT ISSUE		Bancroft & Martin Inc.	
		Brewer, Maine	
5 S.H.C. 11-24-65		U.S. ROUTE 2 OVER I-95	
3 CUST. 11-24-65		DYER BROOK, MAINE	
5 SHOP 11-24-65		CUSTOMER CIANCHETTE BROS. INC.	
2 F.A. 11-10-65		DESIGNER STATE HIGHWAY COMMISSION	
DRAWN 11-2-65 C.J.M.		ORDER VERBAL	
REVISION		DWG. B65-275-S4	
REVISION			

97-60





SHIP		BILL OF MATERIAL				DWG. B65-275-S5
MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
AJ1	1		ST4WF24	15' 11 5/8"		A36
AJ2	1			15' 11 5/8"		
AJ3	1			15' 11 5/8"		
AJ4	1		do	15' 11 5/8"		
	6	a1	3/2 x 3/2 x 3/4	1' 3/4"		3-P
	64	fb1	FB 2 1/2 x 3/8	1' 3"		BENT
	6	fb2	FB 3 x 3/8	0' 10"		
	70	SHOP	3/8 H.S. BOLT	0' 2 1/4"		
	70	SHOP	3/8 H.S. WASHERS			

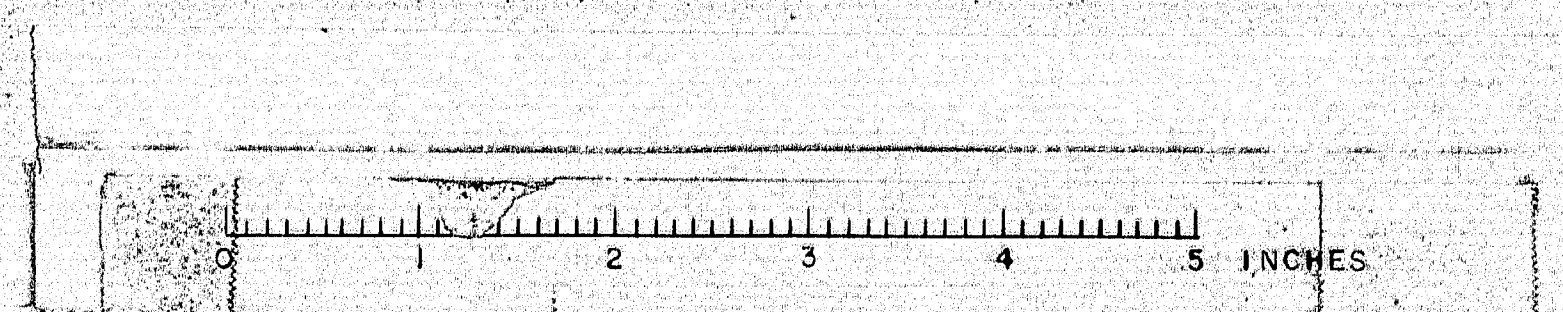
SHOP CONNECTIONS: 3/8" H.S. BOLTS
 FIELD CONNECTIONS: WELD
 HOLES: 15/16" UNLESS NOTED
 PAINT: STATE OF MAINE SPECS.

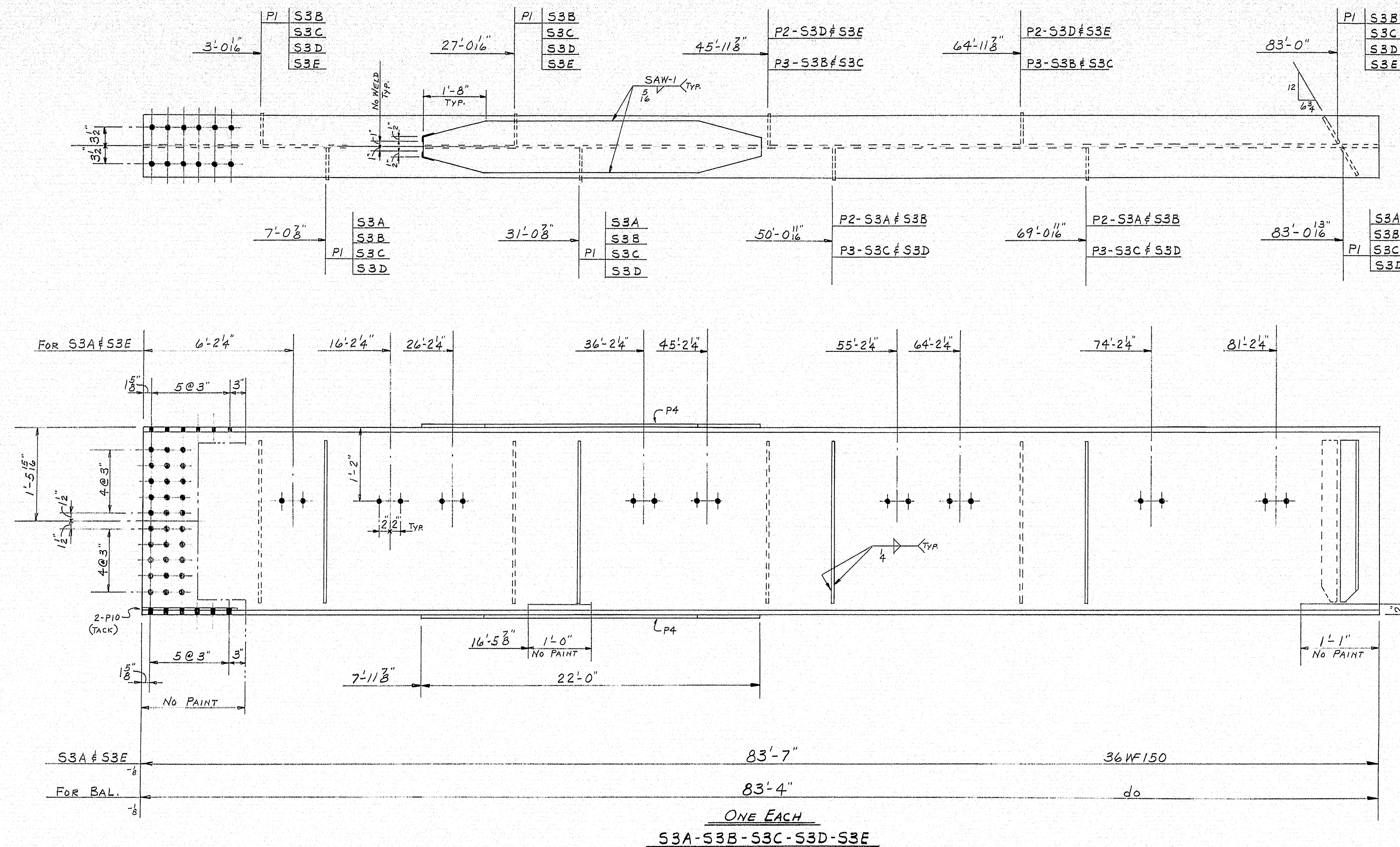
Proj. No. I-95-9(44) 278

ARMORED JOINT

PRINT ISSUE		Bancroft & Martin Inc. Brewer, Maine	
5	S.H.C.	11-24-65	U.S. ROUTE 2 OVER I-95
3	CUST.	11-24-65	DYER BROOK, MAINE
5	SHOP	11-24-65	
2	F.A.	11-10-65	CUSTOMER CLANCHETTE BROS. INC.
DRAWN	10-26-65	C.J.M.	DESIGNER MAINE STATE HIGHWAY COMM.
REVISION			
REVISION			
REVISION			
ORDER VERBAL		DWG. B65-275-S5	

97-61

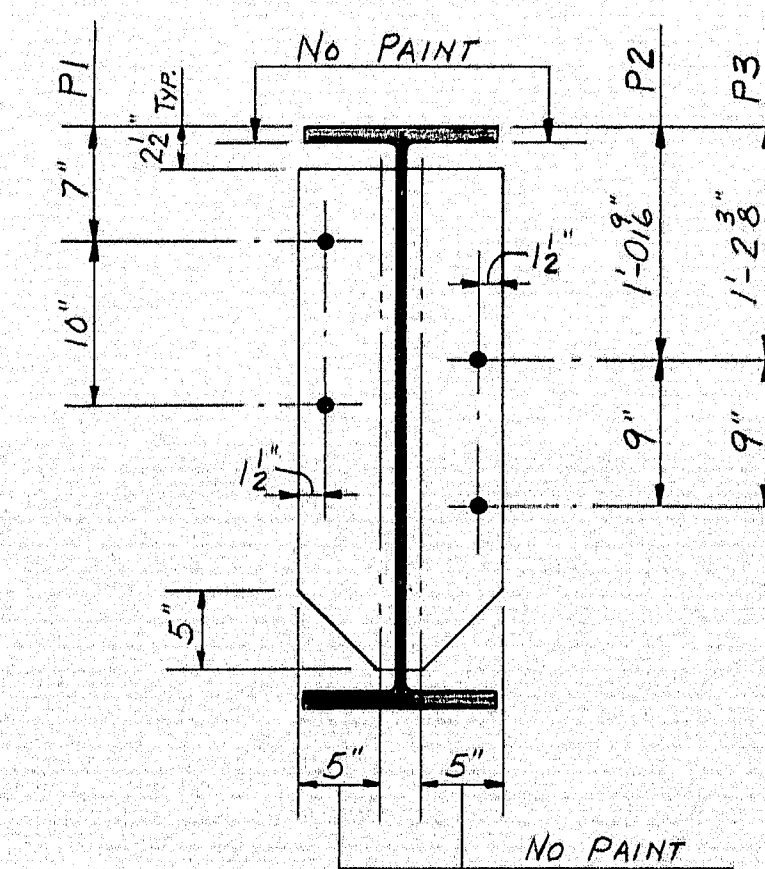




PLACE ANY NATURAL
CAMBER UP.

MATCH THIS END WITH
STRINGERS MARKED-S2.

ONE EACH
S3A-S3B-S3C-S3D-S3E



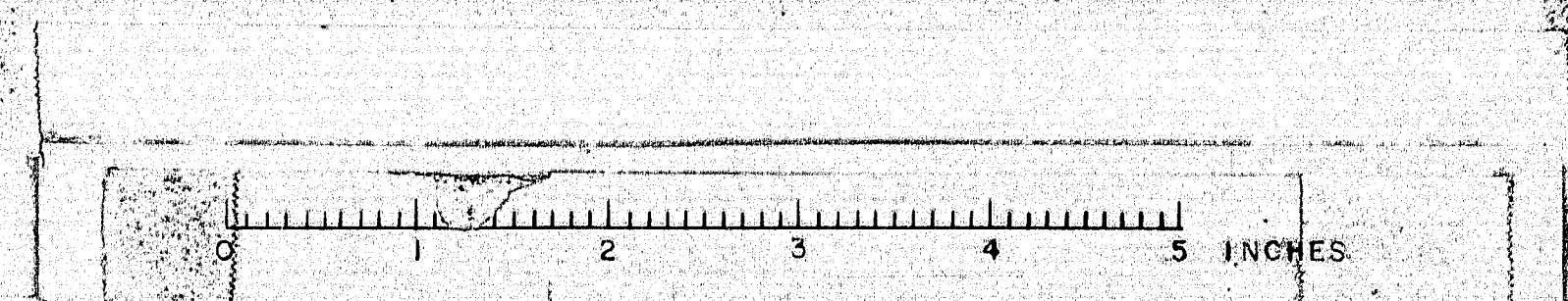
SEE SHEET B65-275-E3
FOR STUD LAYOUT.

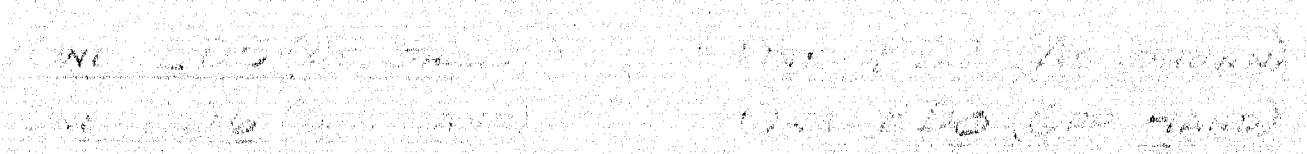
SHIP		BILL OF MATERIAL				DWG. B65-275-S8
MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
S3A	1		36WF150	83	7	A36
S3B	1			83	4	
S3C	1			83	4	
S3D	1			83	4	
S3E	1		do	83	7	
	24	P1	R6x3	2	7	A36
	8	P2	do	2	7	
	8	P3	do	2	7	
	10	P4	R10x1 1/2	22	0	
	10	P10	R4x4	1	68	

SHOP CONNECTIONS: WELD (E-70 LOW-HYDROGEN)
FIELD CONNECTIONS: 3/8" H.S. BOLTS
HOLES: 1/8" UNLESS NOTED
PAINT: STATE OF MAINE SPEC.

PRINT ISSUE		Bancroft & Martin Inc. Brewer, Maine	
5	S.H.C.	11-24-65	U.S. ROUTE 2 OVER I-95
3	CUST.	11-24-65	DYER BROOK, MAINE
5	SHOP	11-24-65	
2	F.A.	11-10-65	CUSTOMER CIANCHETTE BROS. INC.
DRAWN	10-29-65	C.J.M.	DESIGNER STATE HIGHWAY COMMISSION.
REVISION			
REVISION			
REVISION			
ORDER VERBAL		DWG. B65-275-S8	

97-64

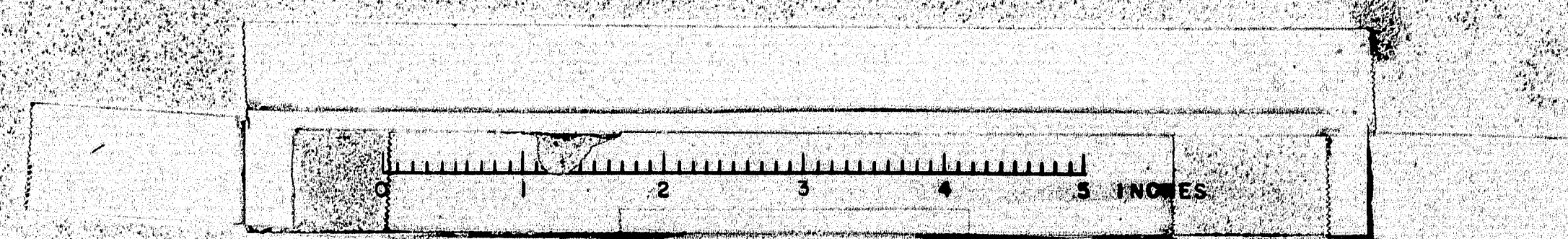


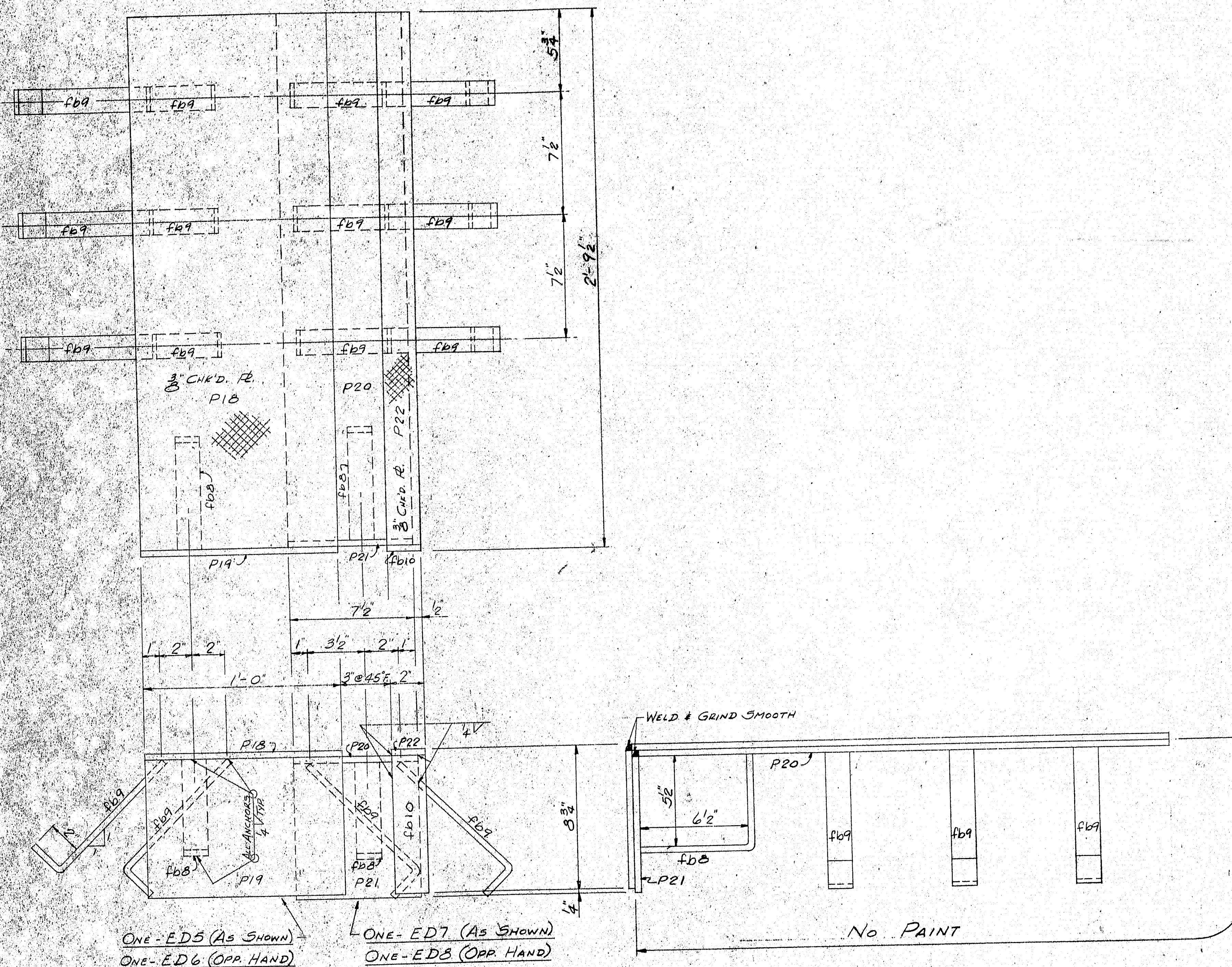


PROJECT N° I-95-9(44)278

SHOP CONNECTIONS: WELD E7028 ELECTRODE
FIELD CONNECTIONS:
HOLES: NONE
PAINT: STATE OF MAINE SPEC.

97-66





SHIP		BILL OF MATERIAL				DWG. 97-66	
MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS	
ED5	1		SIDEWALK EXP DAM				
ED6	1		Do				
ED7	1		Do				
ED8	1		Do				
	2	P18	R-12x3	2 76		CHND. R.	AS
	2	P19	R-8x3	1 0			
	2	P20	R-7x3	2 82			
	2	P21	Do	0 84			
	2	P22	R-2x3	2 98		CHND. R.	
	4	fb8	BAR-1/2x3	1 0		BENT	
	24	fb9	Do	0 11		BENT	
	2	fb10	BAR-2x3	0 83			

PROJECT N° 1000 (44) 278

SHOP CONNECTIONS: WELD E7028 ELECTRODE
FIELD CONNECTIONS:
HOLES: NONE
PAINT: STATE OF MAINE SPEC

SIDEWALK EXPANSION DAMS			
PRINT ISSUE		Bancroft & Martin Inc. Brewer, Maine	
5	S.H.C.	11-24-65	U.S. ROUTE 2 OVER I-95
3	CUST.	11-24-65	DYER BROOK, MAINE
5	SHOP	11-24-65	
2	P.A.	11-17-65	CUSTOMER CLANCHETTE BROS. CO.
DRAWN 11-17-65 G.J.M.		DESIGNER MAINE STATE HIGHWAY COM.	
REVISION		ORDER VERBAL	DWG. 97-66
REVISION			
REVISION			

97-66

