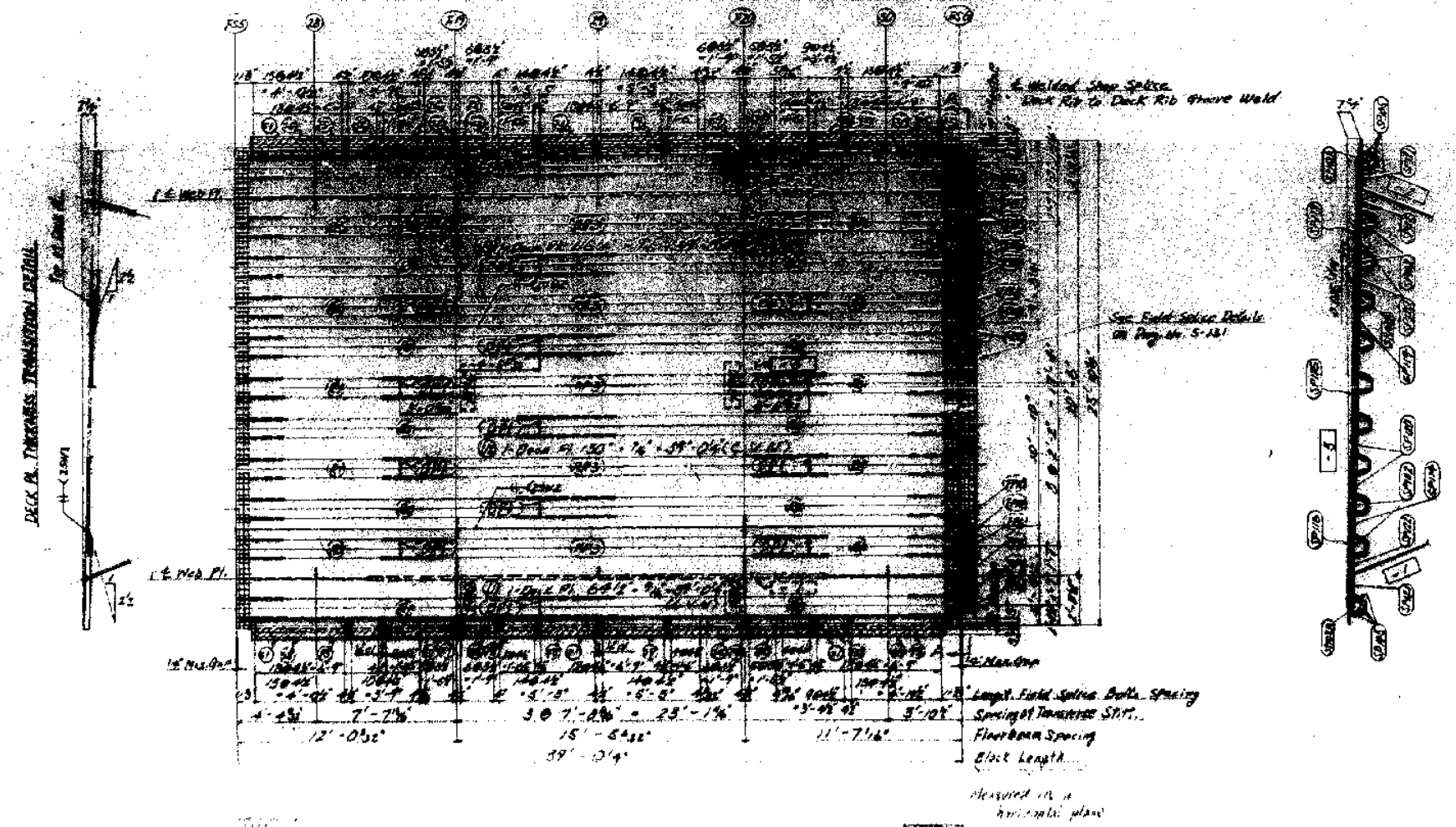
BA 6A
BB 6A

BOX GIRDER DECK BA6, BB6

(Scale: 3/4"=1'-0")



NOTES:

1. For Floorbeam and Transv. Stiffs., see Dwgs. Nos. S-175 & S-176.
2. For additional notes, see Dwg. No. S-116.

BOX GIRDER DECK BA7, BB7

(Scale: 1/4" = 1'-0")

BA7
BB7

See Field Splice Details on Dwg. No. S-131

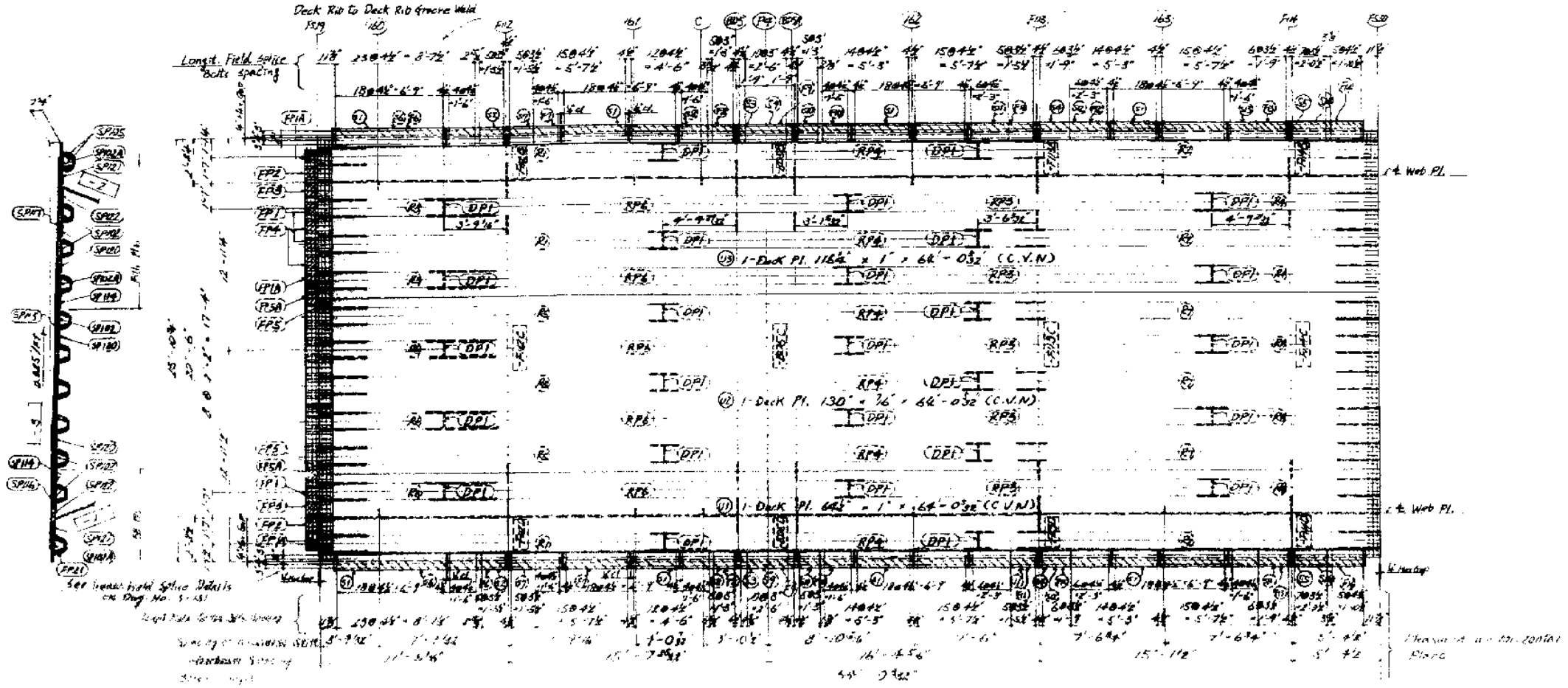
1" Welded Stud Splice
Deck Rib to Deck Rib Groove Weld

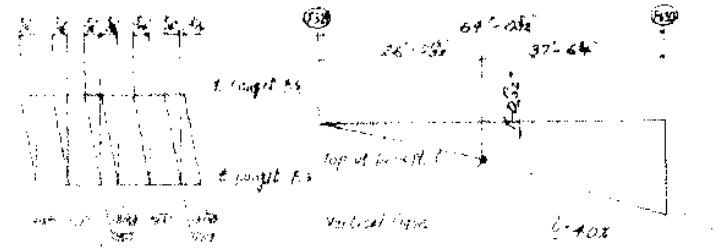
NOTES:
- For Diaphragm, Floorbeam and Transv. Stiff., see Dwgs. Nos. S-173, S-174, S-175 & S-178.
- For additional notes, see Dwg. No. S-116.

BA30A
(BB30A)

BOX GIRDER. DECK BA30. BB30

(Scale: 4"=1'-0")

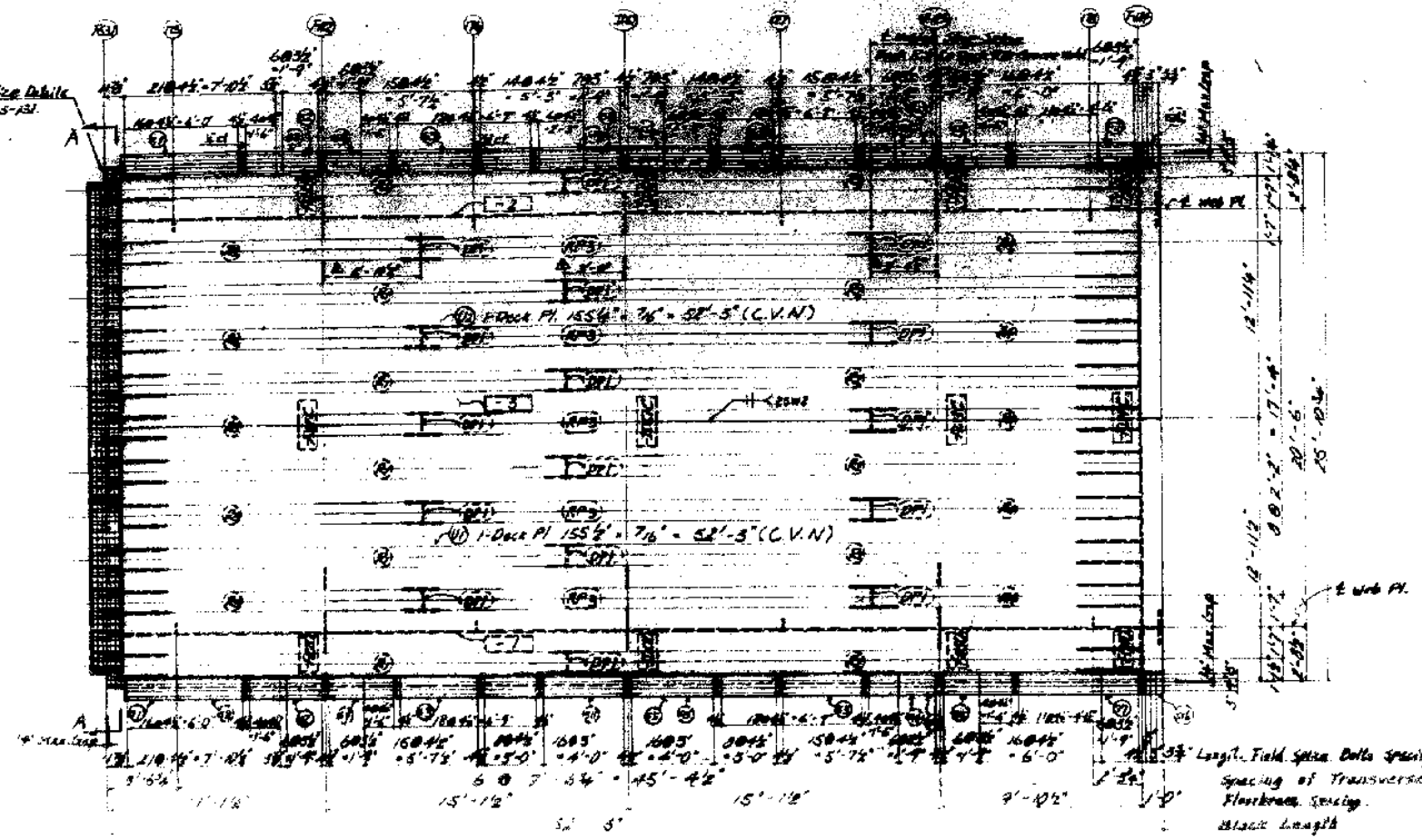




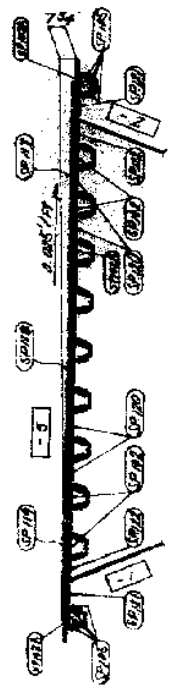
BA 33
BB 33

BOX GIRDER. DECK BA33, BB33

(Scale: 1"=1'-0")



SEC. A-A



SHAPE OF DECK PLATE IN A HORIZONTAL PLANE
(No Scale)

BA 33
BB 33

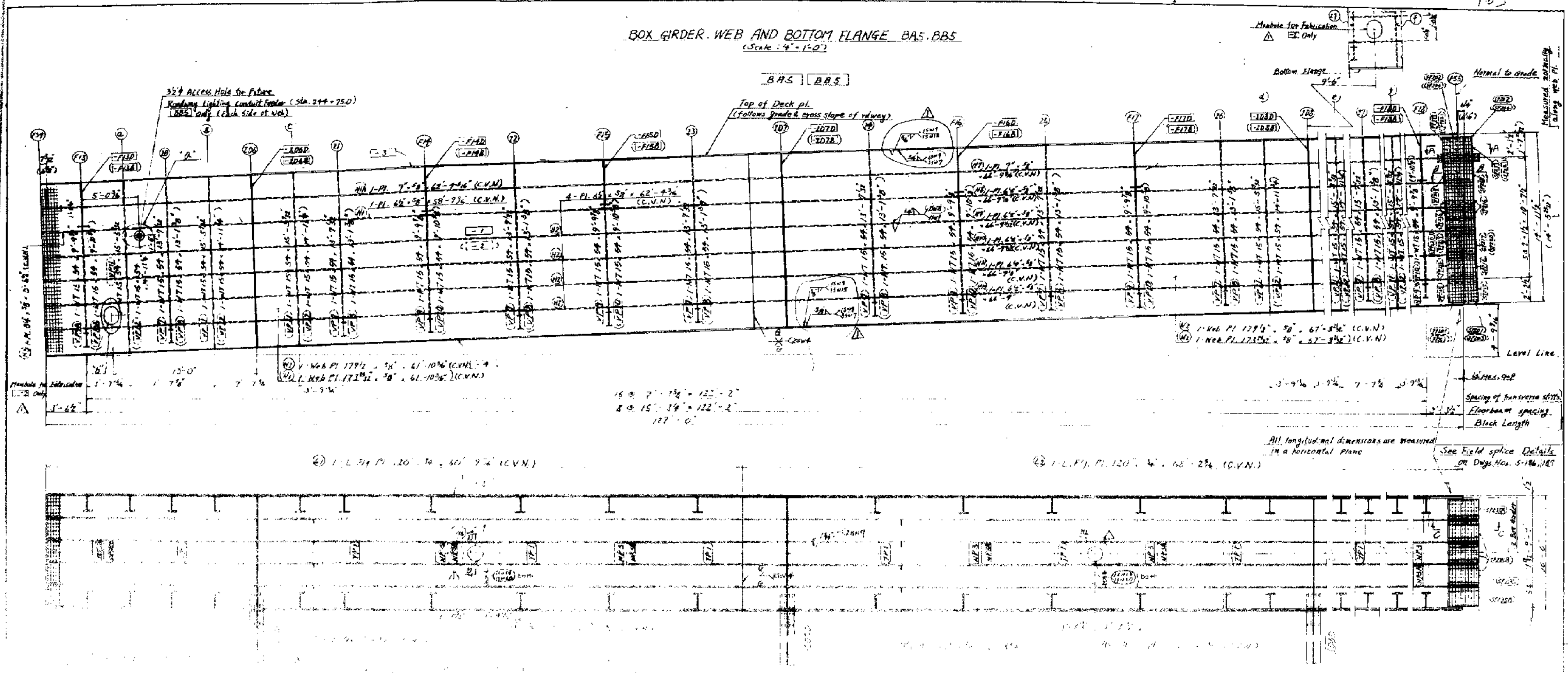
NOTES:

1. For Diaphragm, Floorbeam and Transv. Stiff., see Dwgs. Nos. S-133, S-134 & S-135.
2. For additional notes, see Dwg. No. S-116.

BOX GIRDER. WEB AND BOTTOM FLANGE BA5. BB5

(Scale : 4" = 1'-0")

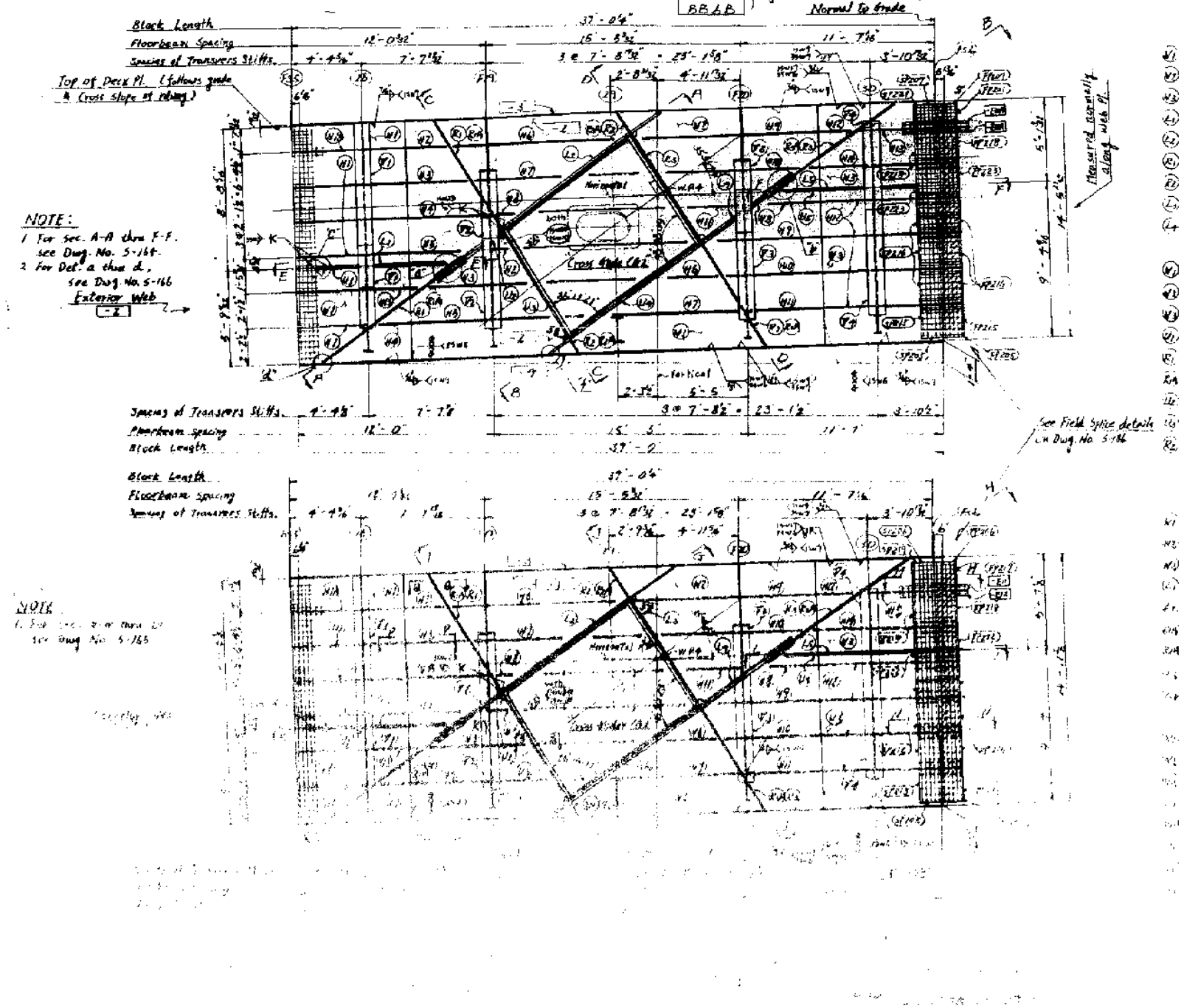
BA5 | BB5



BA6A
BA6B
BB6A
BB6B
} as shown
} Symm. abt. ℄ I-310 & Bridge Normal to Grade

BOX GIRDER WEB BA6, BB6 (1/3) △

Scale: 4" = 1'-0"



BA6A -2 | BB6A -2

W1	1-Web Pl. 104⅝ × ⅛ × 7'-0" (CVN)	R1	1-Pl. 11¼ × ⅛ × 8'-2⅝ (CVN)	W7	1-Pl. 10" × 1" × 4'-9⅝" (CVN)	W13	1-Pl. 10⅜" × 1" × 7'-6" (CVN)		
W2	1-Web Pl. 108⅝ × 2½ × 25'-0⅝" (CVN)	R2	1-Pl. 11¼ × ⅛ × 8'-5⅛" ( )	W8	1-Pl. 10" × 1" × 0'-5½" (CVN)	* F2	1-CT 445.299.15.23 × 4'-6⅝		
W3	1-Web Pl. 67⅛ × ⅛ × 7'-0" (CVN)	L1	1-Fl.Pl. 18 × ⅞ × 7'-2 ( )	W9	1-Pl. 10⅜" × 1" × 9'-10⅜" (CVN)	* F3	1-CT 445.299.15.23 × 3'-7⅛		
L1	1-Flg.Pl. 18 × ⅞ × 7'-7" ( )	W1	3-Pls. 10" × 1" × 7'-6" (CVN)	W10	1-Pl. 10" × 1" × 8'-0⅛" (CVN)	* F5	1-CT 445.299.15.23 × 3'-10⅞		
L2	1-Flg.Pl. 40½ × 1½ × 16'-5¼" (CVN)	W2	1-Pl. 10⅜" × 1" × 2'-2⅛" (CVN)	W11	1-Pl. 10" × 1" × 2'-6⅜" (CVN)	R4	1 Pl. 8 × ⅛ × 1'-11¼" (CVN)		
L3	1-Pl. 8" × ⅞" × 7'-11⅜" (CVN)	W3	1-Pl. 10" × 1" × 3'-4⅝" (CVN)	W12	1-Pl. 10⅜" × 1" × 2'-6" (CVN)	W8	1 Pl. 8 × ⅛ × 1'-0¼" (CVN)		
L4	1-Pl. 8" × ⅞" × 7'-8½" (CVN)	W4	1-Pl. 10" × 1" × 4'-4⅝" (CVN)	W13	1-Pl. 10⅜" × 1" × 3'-5⅛" (CVN)				
L5	1-Flg.Pl. 44½ × 1" × 8'-4¾" (CVN)	W5	1-Pl. 10" × 1" × 2'-2⅛" (CVN)	W14	1-Pl. 10" × 1" × 7'-4⅝" (CVN)				
L6	1-Flg.Pl. 27" × 1½" × 6'-5¾" (CVN)	W6	1-Pl. 10⅜" × 1" × 9'-2⅜" (CVN)	* W1	1-CT 445.299.15.23 × 9'-2⅜				

BA6B -2 | BB6B -2

W1	1-Web Pl. 89⅝ × ⅛ × 7'-0" (CVN)	R4	1-Flg.Pl. 8 × ½ × 1'-1" (CVN)	W5	1-Pl. 10" × 1" × 8'-1⅝" (CVN)	* F2	1-CT 445.299.15.23 × 4'-0⅝		
W2	1-Web Pl. 114⅝ × 2⅜ × 25'-0⅝" (CVN)	R5	1-Fl.Pl. 43½ × 1½ × 11'-6⅛" ( )	W6	1-Pl. 10" × 1" × 3'-2⅝" (CVN)	* F3	1-CT 445.299.15.23 × 6'-1⅜		
W3	1-Web Pl. 112⅝ × ⅛ × 7'-0" (CVN)	L1	1-Flg.Pl. 18 × ⅞ × 7'-2 ( )	W7	1-Pl. 10" × 1" × 1'-7⅝" (CVN)	* F4	1-CT 445.299.15.23 × 6'-7"		
W4	1-Flg.Pl. 18 × ⅞ × 7'-7" ( )	R1	1-Pl. 8 × ⅜ × 7'-5½" ( )	W8	1-Pl. 10" × 1" × 2'-3⅝" (CVN)	* F5	1-CT 445.299.15.23 × 6'-0⅝		
W5	1-Pl. 11⅜" × ⅛" × 7'-7⅛" (CVN)	R2	1-Pl. 8 × ⅜ × 7'-5½" ( )	W9	1-Pl. 10" × 1" × 8'-9⅞" (CVN)				
R4	1-Pl. 11⅜" × ⅛" × 7'-7⅛" (CVN)	R3	1-Pl. 10" × 1" × 1'-5⅜" (CVN)	W10	1-Pl. 10" × 1" × 5'-8⅛" (CVN)				
L1	1-Flg.Pl. 44" × 1½" × 7'-5⅛" (CVN)	W1	1-Pl. 10" × 1" × 3'-5⅛" (CVN)	W11	1-Pl. 10" × 1" × 4'-0½" (CVN)				
L2	1-Flg.Pl. 26½" × 1" × 8'-7¾" (CVN)	W2	1-Pl. 10" × 1" × 6'-2⅝" (CVN)	W12	4-Pls. 10" × 1" × 7'-6" (CVN)				
R3	1-Pl. 8" × ⅜" × 7'-7½" (CVN)	W3	1-Pl. 10" × 1" × 9'-1⅝" (CVN)	W13	1-Pl. 10" × 1" × 7'-4⅝" (CVN)				

BA6A -1 | BB6A -1

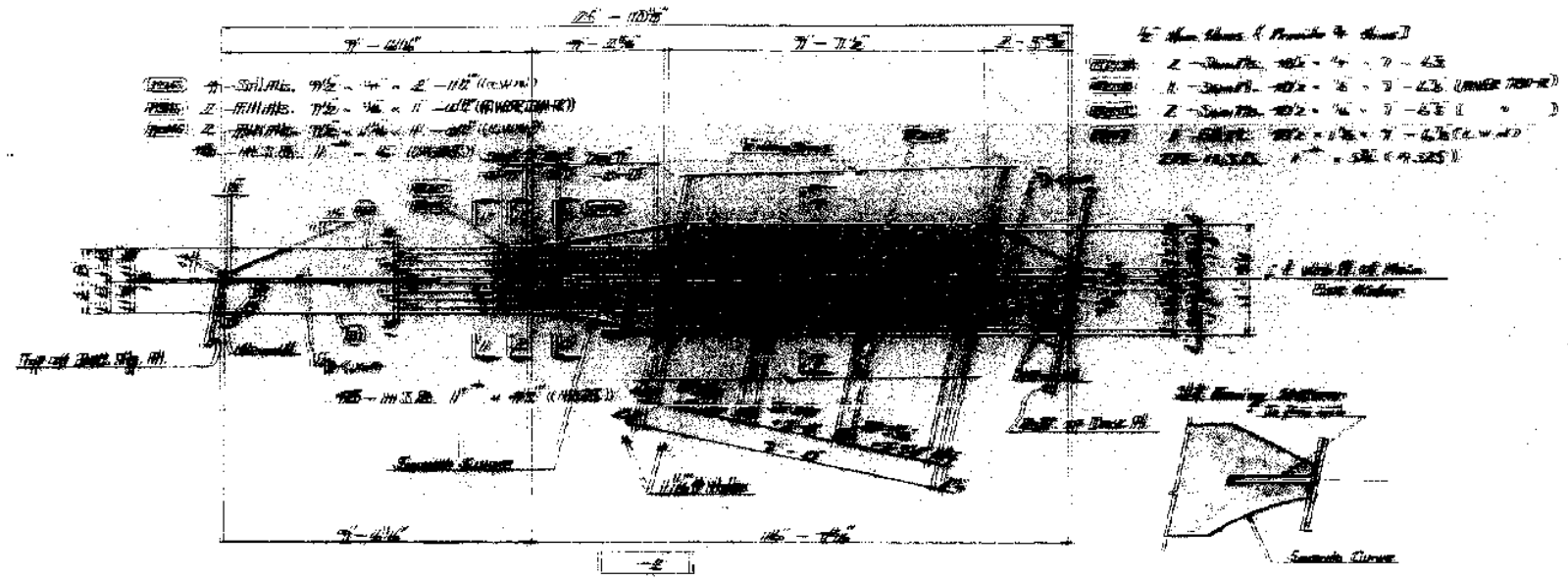
W1	1-Web Pl. 110⅝ × ⅛ × 7'-6" (CVN)	R1	1-Pl. 11¼ × ⅛ × 8'-5¾ (CVN)	W7	1-Pl. 10" × 1" × 4'-10⅝" (CVN)	W13	1-Pl. 10⅜" × 1" × 7'-6" (CVN)		
W2	1-Web Pl. 114⅝ × 2½ × 25'-0⅝" (CVN)	R2	1-Pl. 11¼ × ⅛ × 8'-5⅛" ( )	W8	1-Pl. 10" × 1" × 0'-6⅞" (CVN)	* F2	1-CT 445.299.15.23 × 4'-6⅝		
W3	1-Web Pl. 67½ × ⅛ × 7'-0" (CVN)	L1	1-Flg.Pl. 18 × ⅞ × 7'-2 ( )	W9	1-Pl. 10⅜" × 1" × 9'-5⅛" (CVN)	* F3	1-CT 445.299.15.23 × 3'-7⅛		
L1	1-Flg.Pl. 18 × ⅞ × 7'-7" ( )	W1	3-Pls. 10" × 1" × 7'-6" (CVN)	W10	1-Pl. 10" × 1" × 8'-1⅝" (CVN)	* F5	1-CT 445.299.15.23 × 3'-10⅞		
L2	1-Flg.Pl. 40½ × 1½ × 16'-5¼" (CVN)	W2	1-Pl. 10⅜" × 1" × 2'-2⅛" (CVN)	W11	1-Pl. 10" × 1" × 2'-7⅛" (CVN)	R4	1 Pl. 8 × ⅛ × 1'-11¼" (CVN)		
L3	1-Pl. 8" × ⅞" × 7'-11⅜" (CVN)	W3	1-Pl. 10" × 1" × 3'-5⅛" (CVN)	W12	1-Pl. 10⅜" × 1" × 2'-7⅛" (CVN)				
L4	1-Pl. 8" × ⅞" × 7'-8½" (CVN)	W4	1-Pl. 10" × 1" × 4'-5⅛" (CVN)	W13	1-Pl. 10⅜" × 1" × 3'-6⅛" (CVN)				
L5	1-Flg.Pl. 44½ × 1" × 8'-5¾" (CVN)	W5	1-Pl. 10" × 1" × 2'-3⅛" (CVN)	W14	1-Pl. 10" × 1" × 7'-5⅛" (CVN)				
L6	1-Flg.Pl. 27" × 1½" × 6'-6¾" (CVN)	W6	1-Pl. 10⅜" × 1" × 9'-3⅜" (CVN)	* W1	1-CT 445.299.15.23 × 9'-3⅜				

BB6B -1

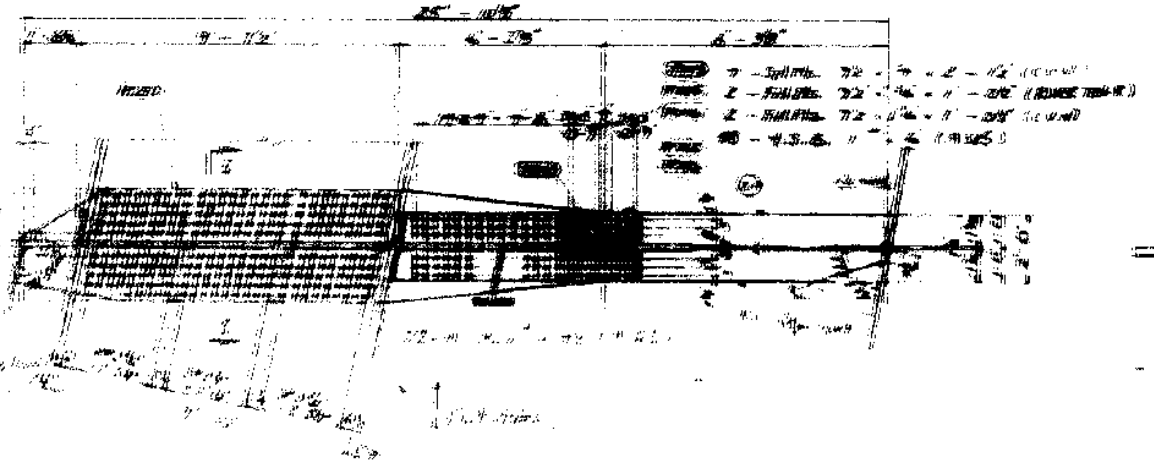
W1	1-Web Pl. 89⅝ × ⅛ × 7'-0" (CVN)	R4	1-Flg.Pl. 8 × ½ × 1'-1" (CVN)	W5	1-Pl. 10" × 1" × 8'-1⅝" (CVN)	* F2	1-CT 445.299.15.23 × 4'-0⅝		
W2	1-Web Pl. 114⅝ × 2⅜ × 25'-0⅝" (CVN)	R5	1-Fl.Pl. 43½ × 1½ × 11'-6⅛" ( )	W6	1-Pl. 10" × 1" × 3'-2⅝" (CVN)	* F3	1-CT 445.299.15.23 × 6'-1⅜		
W3	1-Web Pl. 112⅝ × ⅛ × 7'-0" (CVN)	L1	1-Flg.Pl. 18 × ⅞ × 7'-2 ( )	W7	1-Pl. 10" × 1" × 1'-7⅝" (CVN)	* F4	1-CT 445.299.15.23 × 6'-7"		
W4	1-Flg.Pl. 18 × ⅞ × 7'-7" ( )	R1	1-Pl. 8 × ⅜ × 7'-5½" ( )	W8	1-Pl. 10" × 1" × 2'-3⅝" (CVN)	* F5	1-CT 445.299.15.23 × 6'-0⅝		
W5	1-Pl. 11⅜" × ⅛" × 7'-7⅛" (CVN)	R2	1-Pl. 8 × ⅜ × 7'-5½" ( )	W9	1-Pl. 10" × 1" × 8'-9⅞" (CVN)				
R4	1-Pl. 11⅜" × ⅛" × 7'-7⅛" (CVN)	R3	1-Pl. 10" × 1" × 1'-5⅜" (CVN)	W10	1-Pl. 10" × 1" × 5'-8⅛" (CVN)				
L1	1-Flg.Pl. 44" × 1½" × 7'-5⅛" (CVN)	W1	1-Pl. 10" × 1" × 3'-5⅛" (CVN)	W11	1-Pl. 10" × 1" × 4'-0½" (CVN)				
L2	1-Flg.Pl. 26½" × 1" × 8'-7¾" (CVN)	W2	1-Pl. 10" × 1" × 6'-2⅝" (CVN)	W12	4-Pls. 10" × 1" × 7'-6" (CVN)				
R3	1-Pl. 8" × ⅜" × 7'-7½" (CVN)	W3	1-Pl. 10" × 1" × 9'-1⅝" (CVN)	W13	1-Pl. 10" × 1" × 7'-4⅝" (CVN)				

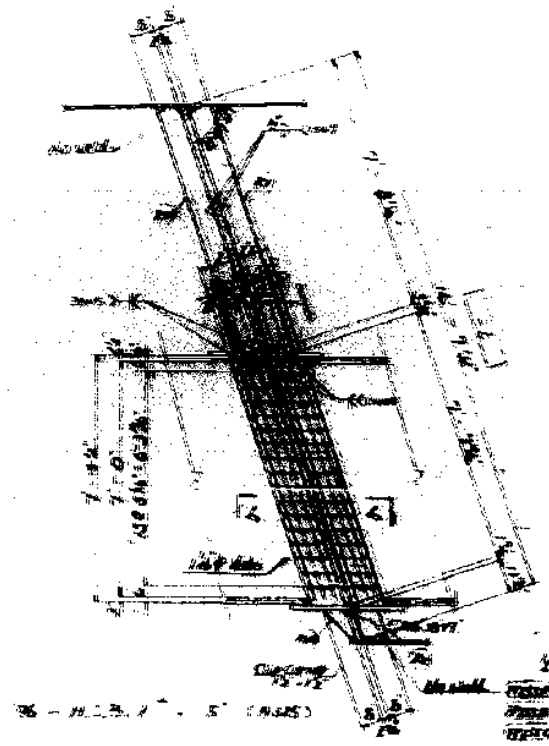
BOX GIRDER WEB BAR. 886 (3/4) A

Scale 3/4" = 1'-0"

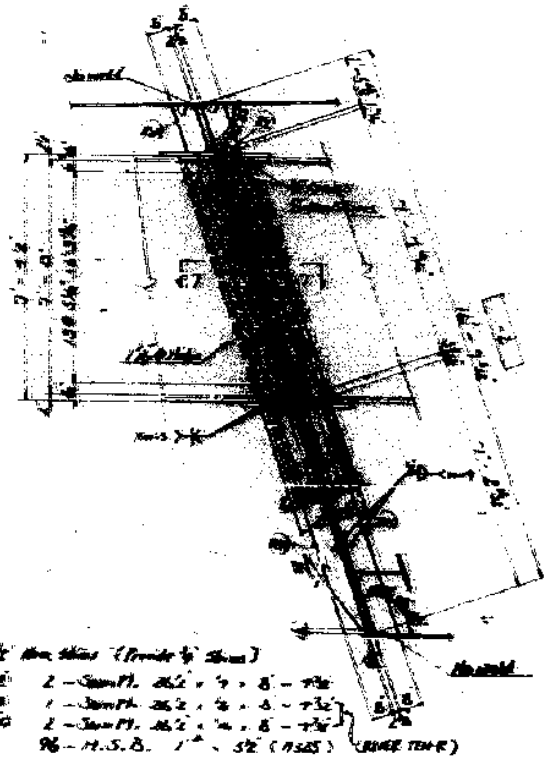


SEC. A-A
(See Dwg. No. S-163)

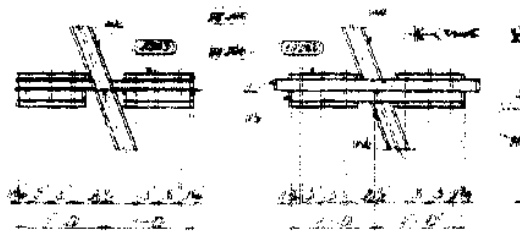
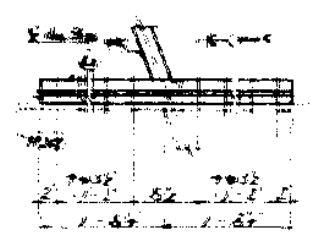
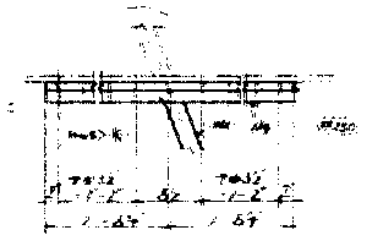




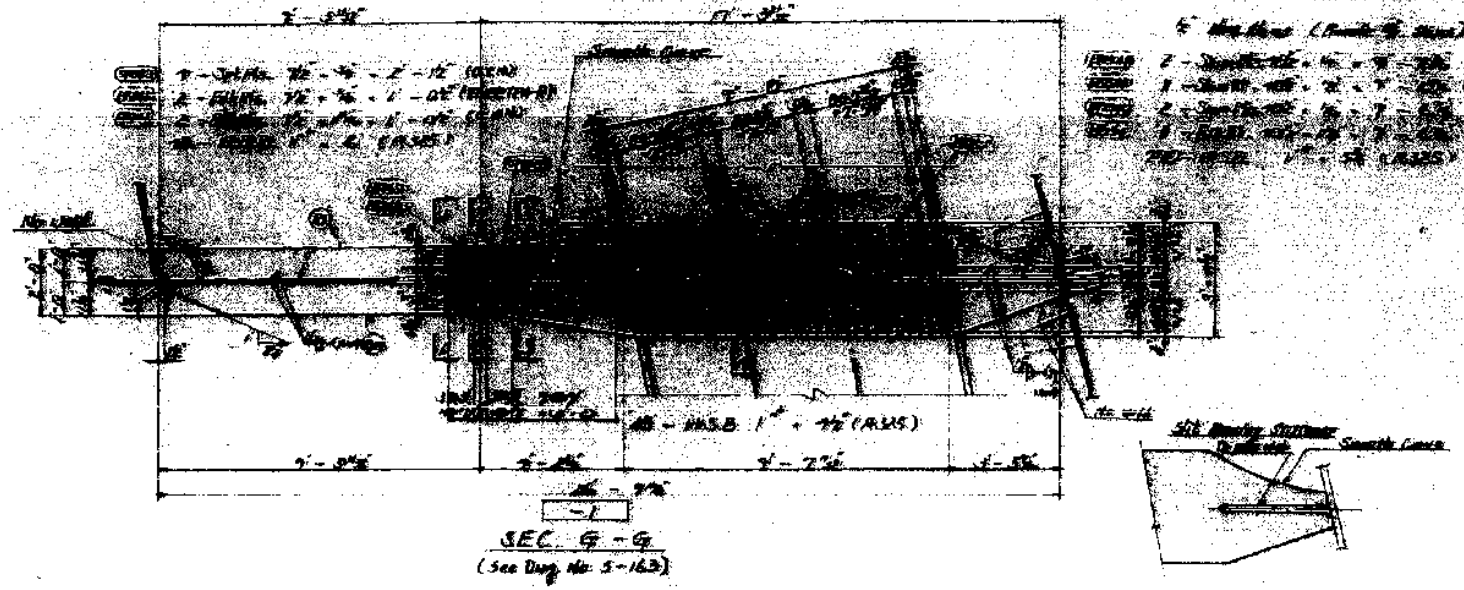
SEC. C-C
(See Dwg. No. S-163)

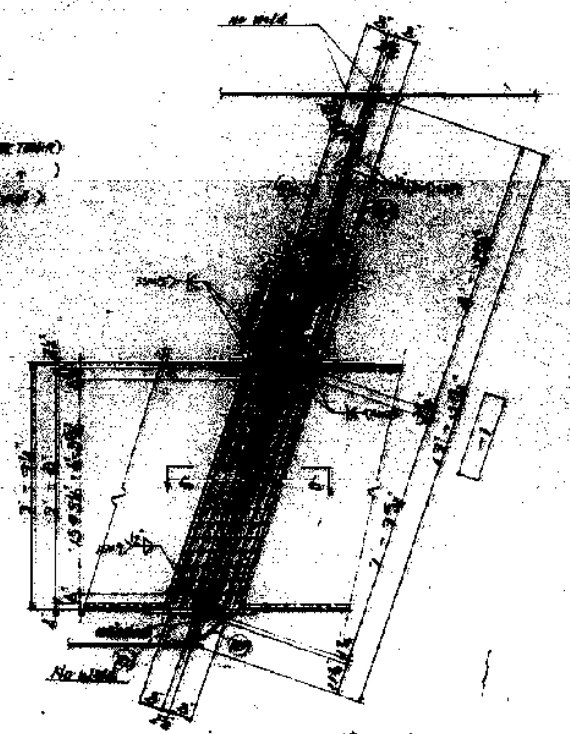


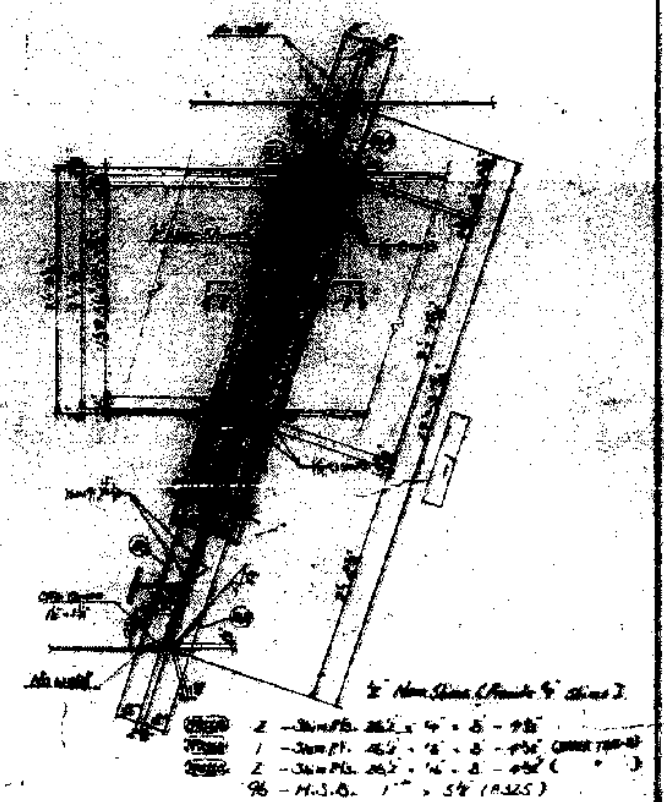
SEC. D-D
(See Dwg. No. S-163)

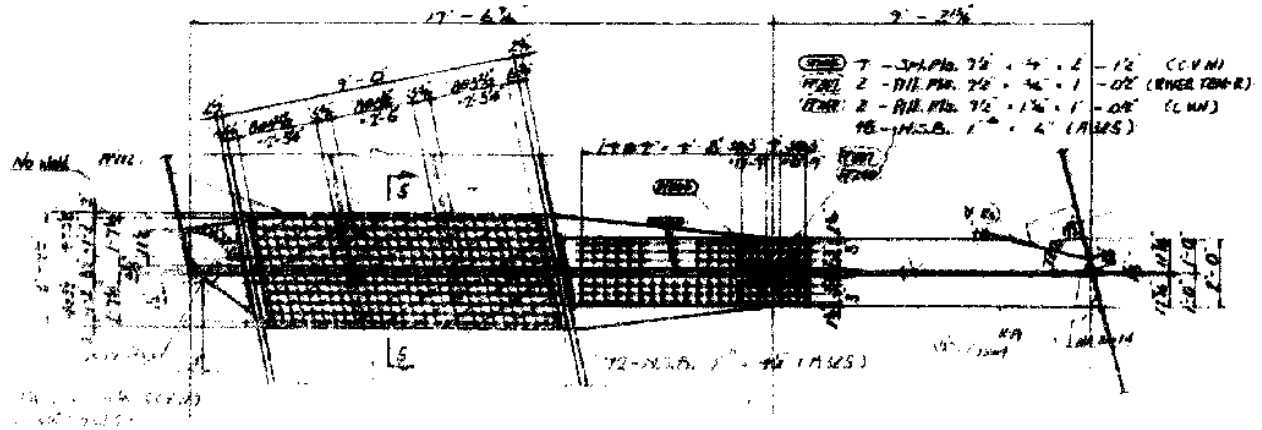


BOX GIRDER WEB BA6, BB6 (3/3) ⚠



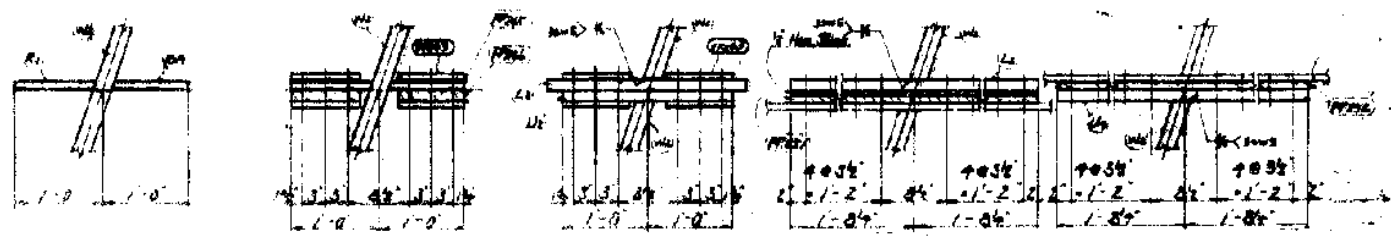






SEC. I - I
(See Dwg. No. 5-163)

SEC. J - J
(See Dwg. No. 5-163)



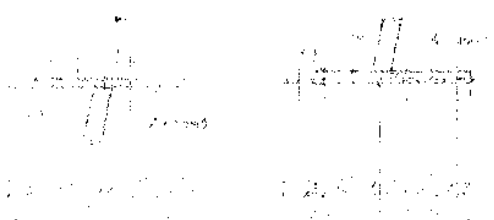
SEC. 1 - 1 (Scale: 1" = 1'-0")

SEC. 2 - 2

SEC. 3 - 3

SEC. 4 - 4

SEC. 5 - 5

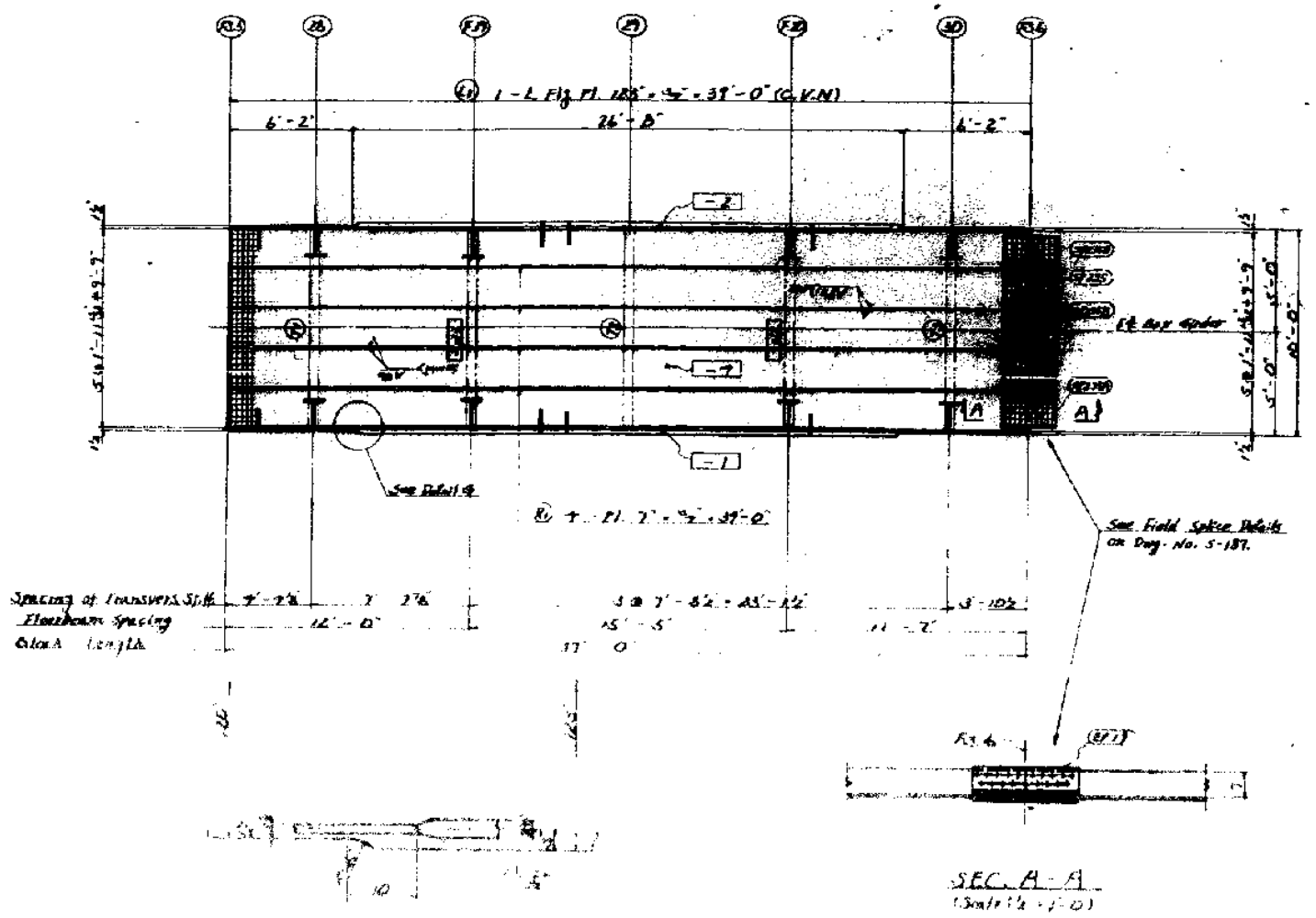


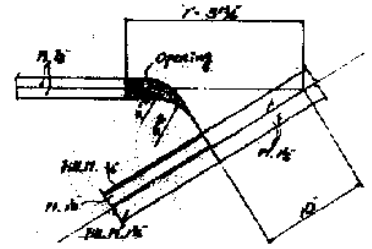
BOX GIRDER WEB PLT. BA6, BB6 (3/3)

BA6A
BB6B

BOX GIRDER BOTTOM FLANGE BA6, BB6

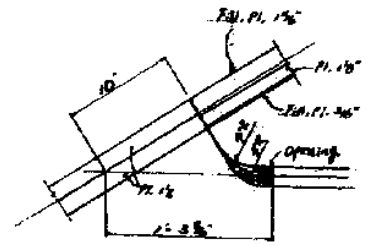
Scale : 4" = 1'-0"



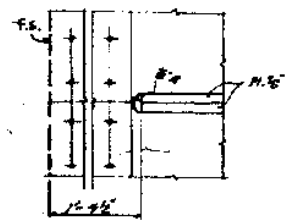


DET. "a"
(Scale: ½" = 1'-0")

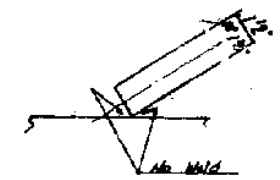
For DET. "A" ~ "d", See Dwg. No. S-163.



DET. "b"
(Scale: ½" = 1'-0")



DET. "c"
(Scale: ½" = 1'-0")

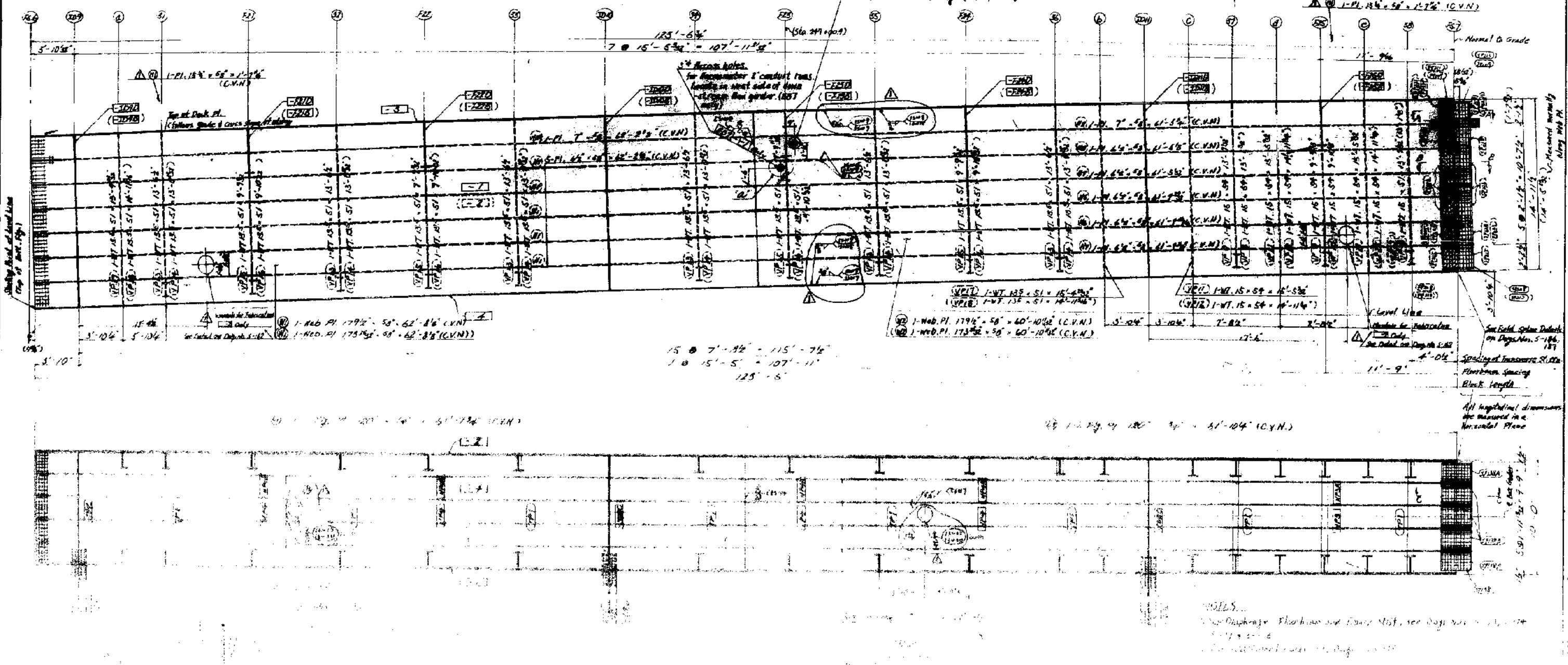


DET. "d"
(Scale: 3" = 1'-0")

NOTES:
1. For notes, See Dwg. No. S-122 & S-163

BOX GIRDER WEB AND BOTTOM FLANGE B87, B87 | BA 7 | B8 7

Scale: 4" = 1'-0"



BOX GIRDER WEB BA30, BB30 (⅓) △

Scale: 4" = 1'-0"

NOTE:
1. For Sec. A-A thru F-F, See Dwg. No. S-169.
2. For Sec. G-G thru L-L, See Dwg. No. S-170.

BA 30A as shown
BA 30B
BB 30A
BB 30B
same, add ℄ E-30A & B only

1 - 1¼ϕ Hole for Red & Green Secondary Channel Navigation Light (Sta. 266 + 49.6)

Exterior Web

Horizontal Stiffener & Long Web Pl.

"Cross Girder cont."

Spacing of Transverse Stiffeners

Fluorescent Sensing

Nut Length

"C" See Dwg. No. S-118

"K"

1 - 1¼ϕ Hole for Red & Green Secondary Channel Navigation Light

See Field Splice Details on Dwg. No. S-132

Exterior Web

BA30A-2
BB30A-2
BA30B-2
BB30B-2
BA30A-1
BB30A-1

M1	1 - Web Pl.	76⅞"	× ⅝	× 9'-0	(C.V.N)	M39	1 - Fl.	8"	× ⅞	× 1'-2¾	(C.V.N)	M77	1 - Fl.	11½	× 1⅛	× 9 - 11⅞	(C.V.N)
M2	1 - Web Pl.	75⅞"	× ½	× 11'-0	(")	M40	1 - Fl.	8"	× ⅞	× 1'-1"	(")	M78	1 - Fl.	11½	× ⅞	× 2 - 2½	(")
M3	1 - Web Pl.	102⅞"	× ⅜	× 31'-0⅝	(")	M41	1 - Fl.	19⅝"	× ½	× 6'-5⅜	(")						
M4	1 - Web Pl.	37⅜"	× ½	× 11'-0	(")	M42	1 - Fl.	13⅝"	× ½	× 6'-7⅜	(")	M79	1 - Fl.	12½	× ⅛	× 7 - 7	(")
M5	1 - Web Pl.	35⅜"	× ½	× 7'-0"	(")	M43	1 - Fl.	11"	× ½	× 2'-5⅜	(")	M80	1 - Fl.	7⅜	× ⅜	× 7'-6"	(")
M6	1 - Fl.	24"	× 1"	× 19'-9"	(")	M44	1 - Fl.	11"	× ½	× 2'-5⅜	(")	M81	1 - CT	7WS	× .299	× 5⅛	× 3 - 7½
M7	1 - Fl.	72½"	× 2⅜	× 16'-7⅜	(")	M45	1 - Fl.	12½"	× ⅛	× 6'-8⅜	(")	M82	1 - CT	7WS	× .299	× 5⅛	× 6 - 11⅞
M8	1 - Fl.	37"	× ⅛	× 9'-1⅝	(")	M46	1 - Fl.	11½"	× ⅛	× 2'-4½"	(")	M83	1 - PL	14⅜"	× ⅜	× 1'-10⅜"	
M9	1 - Fl.	40⅜"	× 1⅛	× 19'-6⅝	(")	M47	1 - Fl.	11"	× ⅛	× 2'-9"	(")	M84	1 - CT	7WS	× .299	× 5⅛	× 5'-4⅝"
M10	1 - Fl.	24"	× 1"	× 15'-11"	(")	M48	1 - Fl.	12½"	× ⅛	× 7'-5⅜"	(")	M85	1 - WT	15	× 57	× 3'-6"	
M11	1 - Pl.	8"	× ⅜	× 6'-2⅛"	(")	M49	1 - Fl.	11½"	× ⅛	× 2'-2⅝"	(")						
M12	1 - Pl.	6"	× ⅜	× 6'-1⅝"	(")	M50	1 - Fl.	11½"	× ⅛	× 14'-7⅛"	(")	M86	3 - Pl.	6⅝"	× ⅝"	× 5'-3⅛"	(C.V.N)
						M51	1 - Fl.	11⅜"	× ⅛	× 2'-5⅛"	(")	M87	1 - Fl.	11⅜	× 1	× 7'-4⅛"	(")
M13	1 - Web Pl.	96⅝"	× ⅝	× 9'-0	(C.V.N)	M52	1 - Fl.	9⅜"	× ⅞"	× 7'-6	(C.V.N)	M88	1 - Pl.	6½"	× ⅝"	× 9'-11⅝"	(C.V.N)
M14	1 - Web Pl.	35⅜"	× ½	× 11'-0	(")	M53	1 - Fl.	8"	× ⅞	× 4'-1⅝	(C.V.N)	M89	1 - Fl.	11½"	× ⅛	× 11'-11⅞	(C.V.N)
M15	1 - Web Pl.	198⅜"	× ⅜	× 31'-0⅝	(")	M54	1 - Fl.	8"	× ⅞	× 4'-0⅜	(")	M90	1 - Fl.	11½	× ⅛	× 4'-10⅜"	(")
M16	1 - Web Pl.	133⅜"	× ⅜	× 11'-0	(")	M55	1 - Fl.	11"	× ½	× 2'-2⅜	(")	M91	4 - Pl.	11½	× ⅛	× 11'-0	(")
M17	1 - Web Pl.	139⅜"	× 1"	× 7'-0	(")	M56	1 - Fl.	11"	× ½	× 7'-7⅝"	(")	M92	1 - Pl.	7	× ⅞	× 7'-6"	(")
M18	1 - Fl.	24"	× 1"	× 19'-9"	(")	M57	1 - Fl.	11"	× ½	× 2'-9"	(")	M93	1 - CT	7WS	× .299	× 15⅛	× 4 - 4½"
M19	1 - Fl.	33½"	× ½	× 5'-0⅝"	(")	M58	1 - Fl.	11"	× ½	× 6'-2⅛"	(")	M94	1 - CT	7WS	× .299	× 15⅛	× 4 - 9⅜"
M20	1 - Fl.	37"	× ½	× 9'-1⅛	(")	M59	2 - Pl.	11"	× ½	× 5'-5⅜	(")	M95	1 - CT	7WS	× .299	× 15⅛	× 2 - 6⅝"
M21	1 - Fl.	72½"	× 2⅜	× 21'-10⅜"	(")	M60	1 - Pl.	11⅞	× ⅛	× 4'-5⅜	(")	M96	1 - CT	7WS	× .299	× 15⅛	× 5'-10"
M22	1 - Fl.	24"	× 1"	× 15'-11"	(")	M61	1 - Pl.	11½"	× ⅛	× 4'-6⅛"	(")						
M23	1 - Fl.	16⅝"	× ½	× 15'-6⅝"	(")	M62	1 - Pl.	11½"	× ⅛	× 5'-8⅜"	(")						
M24	1 - Pl.	16⅝"	× ½	× 15'-5⅜"	(")	M63	1 - Fl.	11½"	× ⅛	× 0'-5⅜"	(")						
M25	1 - Pl.	11½"	× ⅜	× 1'-2⅛"	(")	M64	1 - Pl.	11½"	× ⅛	× 6'-1⅛"	(")						
M26	1 - Pl.	6"	× ⅜	× 1'-0⅝"	(")	M65	1 - Pl.	11½"	× ⅛	× 10'-0"	(")						
M27	1 - Pl.	12½"	× ⅛	× 1'-0"	(")	M66	1 - Pl.	11½"	× ⅛	× 12'-7⅝"	(")						
						M67	2 - Pl.	6½"	× ⅝"	× 5'-3⅛"	(")						

M28	1 - Web Pl.	82⅝"	× ⅝	× 9'-0	(C.V.N)	M68	1 - Fl.	8"	× ⅞	× 1'-2⅝	(C.V.N)
M29	1 - Web Pl.	81⅜"	× ½	× 11'-0	(")						
M30	1 - Web Pl.	103⅜"	× ⅜	× 31'-0⅝	(")	M69	1 - Fl.	19⅜"	× ½	× 7'-0⅜	(")
M31	1 - Web Pl.	39⅜"	× ½	× 11'-0	(")	M70	1 - Fl.	13⅝"	× ½	× 7'-0⅜	(")
M32	1 - Web Pl.	35⅜"	× ½	× 7'-0	(")	M71	2 - Pl.	11"	× ½	× 3'-5⅜	(")
M33	1 - Fl.	24"	× 1"	× 19'-9"	(")	M72	1 - Fl.	11"	× ½	× 2'-5⅜	(")
M34	1 - Fl.	72½"	× 2⅜	× 21'-10⅜"	(")	M73	1 - Fl.	11½"	× ⅛	× 6'-8⅜	(")
M35	1 - Fl.	37"	× ½	× 9'-1⅝	(")	M74	1 - Fl.	11½"	× ⅛	× 2'-4½"	(")
M36	1 - Fl.	40⅜"	× 1⅛	× 19'-6⅝	(")	M75	1 - Fl.	11"	× ½	× 2'-9"	(")
M37	1 - Fl.	24"	× 1"	× 15'-11"	(")	M76	1 - Fl.	11½"	× ⅛	× 7'-5⅜"	(")
M38	1 - Fl.	6"	× ⅜	× 6'-2⅛"	(")						

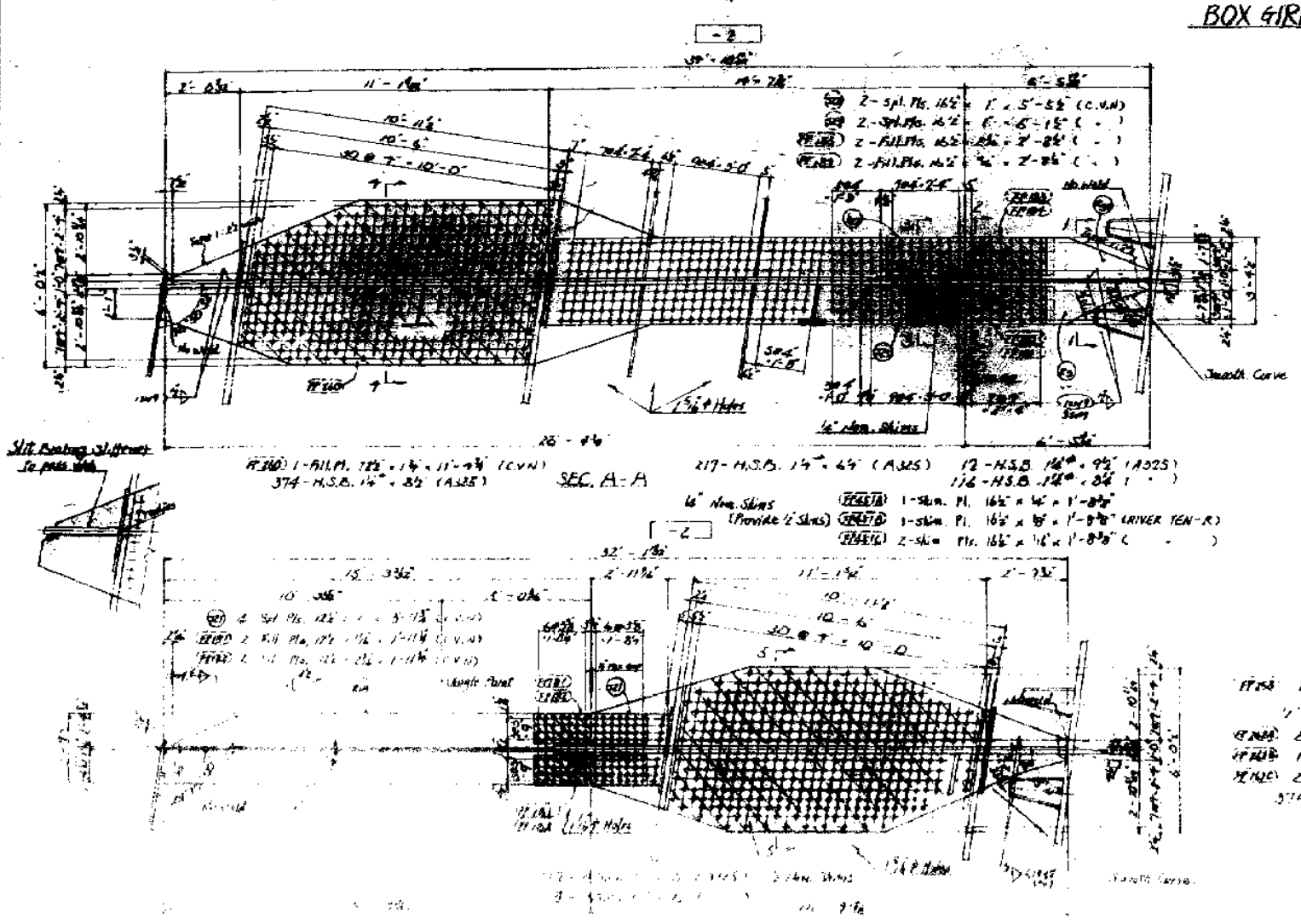
M97	1 - Fl.	12½	× ⅛	× 7 - 7	(")						
M98	1 - Fl.	7⅜	× ⅜	× 7'-6"	(")						
M99	1 - CT	7WS	× .299	× 15⅛	× 3 - 9⅛						
M100	1 - CS	7WS	× .299	× 15⅛	× 7 - 5⅜						
M101	1 - PL	14⅜"	× ⅜	× 1'-10⅜"							
M102	1 - CT	7WS	× .299	× 15⅛	× 5'-10⅜						
M103	1 - WT	15	× 49	× 7'-6⅛							
M104	3 - Pl.	6⅝"	× ⅝"	× 5'-3⅛"	(C.V.N)						
M105	1 - Pl.	11⅜"	× 1"	× 7'-4⅛"	(")						

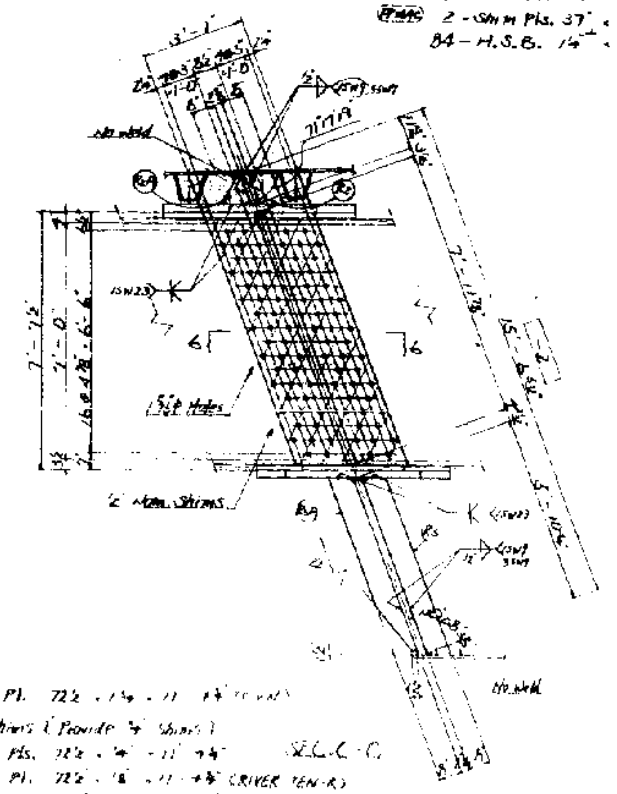
M106	1 - Pl.	11½	× 1⅛	× 9 - 11⅞	(C.V.N)						
M107	1 - Fl.	11½	× ⅛	× 4 - 2⅝	(")						
M108	1 - Fl.	12½	× ⅛	× 7 - 7	(")						
M109	1 - Fl.	7⅜	× ⅜	× 7'-6"	(")						
M110	1 - CT	7WS	× .299	× 15⅛	× 3 - 9⅛						
M111	1 - CS	7WS	× .299	× 15⅛	× 7 - 5⅜						
M112	1 - PL	14⅜"	× ⅜	× 1'-10⅜"							
M113	1 - CT	7WS	× .299	× 15⅛	× 5'-10⅜						
M114	1 - WT	15	× 49	× 7'-6⅛							
M115	3 - Pl.	6⅝"	× ⅝"	× 5'-3⅛"	(C.V.N)						
M116	1 - Pl.	11⅜"	× 1"	× 7'-4⅛"	(")						

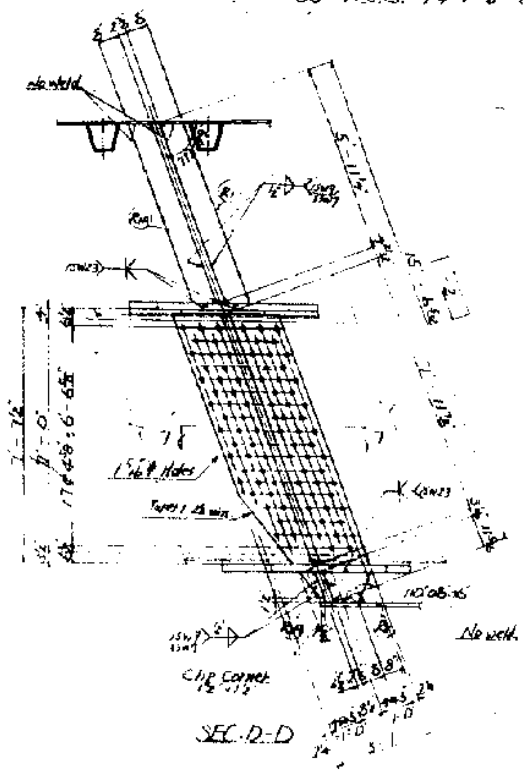
M117	1 - Pl.	11½	× 1⅛	× 9 - 11⅞	(C.V.N)						
M118	1 - Fl.	11½	× ⅛	× 4 - 2⅝	(")						
M119	1 - Fl.	12½	× ⅛	× 7 - 7	(")						
M120	1 - Fl.	7⅜	× ⅜	× 7'-6"	(")						
M121	1 - CT	7WS	× .299	× 15⅛	× 3 - 9⅛						
M122	1 - CS	7WS	× .299	× 15⅛	× 7 - 5⅜						
M123	1 - PL	14⅜"	× ⅜	× 1'-10⅜"							
M124	1 - CT	7WS	× .299	× 15⅛	× 5'-10⅜						
M125	1 - WT	15	× 49	× 7'-6⅛							
M126	3 - Pl.	6⅝"	× ⅝"	× 5'-3⅛"	(C.V.N)						
M127	1 - Pl.	11⅜"	× 1"	× 7'-4⅛"	(")						

BOX GIRDER WEB BA30, BB30 (2/3) ⚠

Scale : 3/8" = 1'-0"





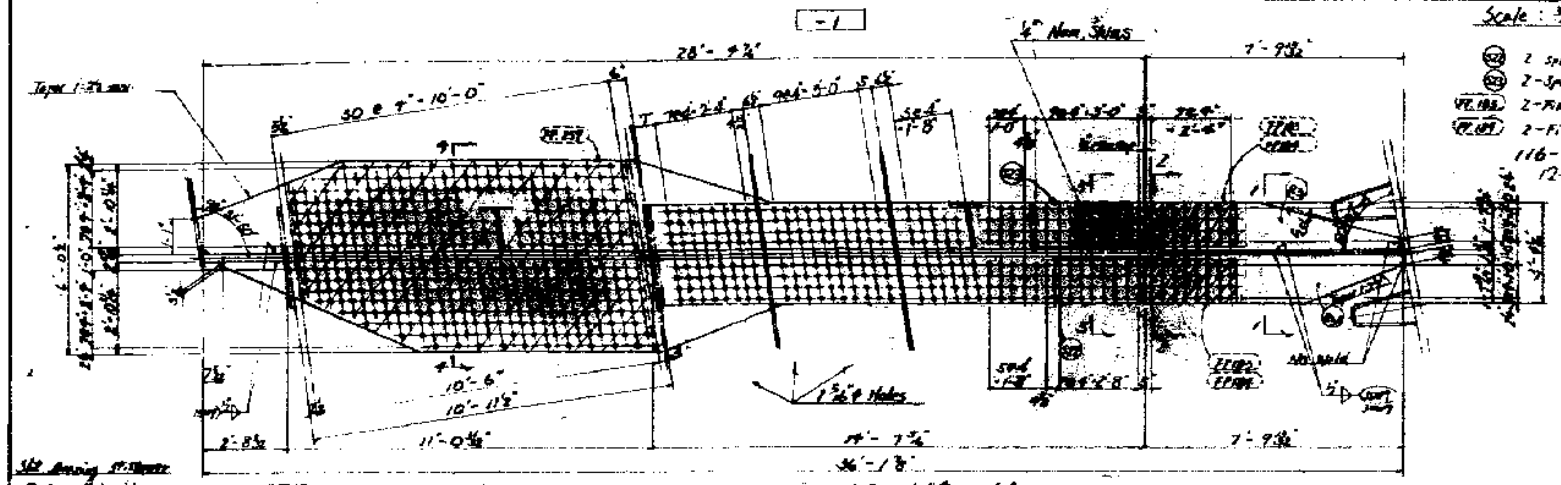


NOTES

1. This Dwg. shows SEC. of External web (EW) on Dwg No. S-165
2. Work with Dwg No. S-165
3. For add. General notes see Dwg No. S-102 & S-103

BOX GIRDER WEB BA30, BB30 (3/3) △

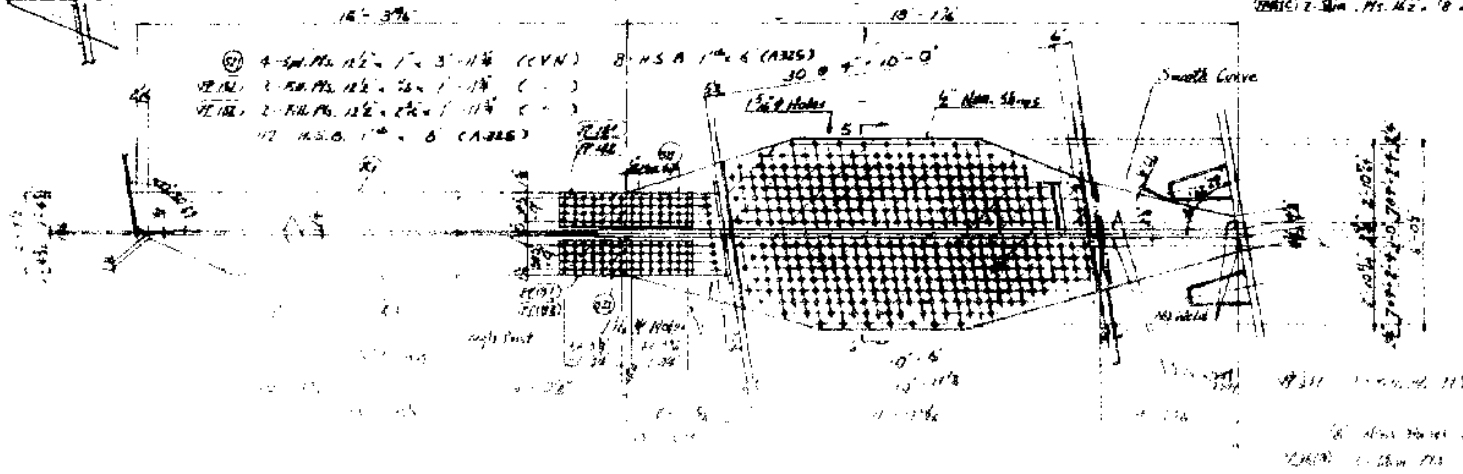
Scale: 3/8" = 1'-0"



(FF151) 1-F.I.M. PL. 72 1/2" x 1/2" x 11'-4" (CVN)
374 - H.S.B. 1 1/4" x 8 1/2" (A326) SEC. G-G
(Scale: 3/8" = 1'-0")
217 - H.S.B. 1 1/4" x 6 1/2" (A326)

(22) 2 Spl. Pls. 16 1/2" x 1" x 5'-3 1/2" (CVN)
(22) 2 - Spl. Pls. 16 1/2" x 1" x 6'-1 1/2" (")
(FF188) 2 - F.I.M. Pls. 16 1/2" x 2 3/4" x 2'-8 1/2" (")
(FF189) 2 - F.I.M. Pls. 16 1/2" x 7/16" x 2'-8 1/2" (")
116 - H.S.B. 1 1/4" x 8 1/2" (A325)
12 - H.S.B. 1 1/4" x 9 1/2" (A325)

1/4" Nom. Shims (Provide 1/2" Shims)
(FF150) 1 - Shim Pl. 16 1/2" x 4" x 1'-8 1/2"
(FF150B) 1 - Shim Pl. 16 1/2" x 7/8" x 1'-8 1/2" (RIVER TEN-R)
(FF151C) 2 - Shim Pls. 16 1/2" x 7/8" x 1'-8 1/2" (" ")

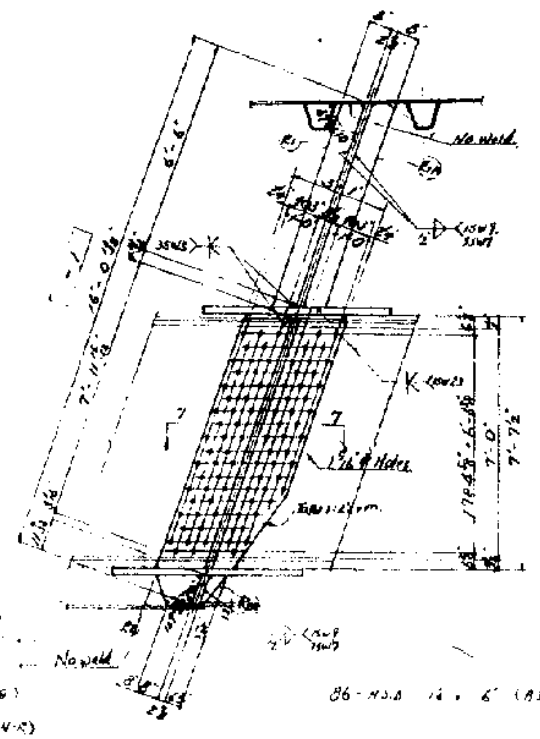


(22) 4 - Spl. Pls. 12 1/2" x 1" x 3'-11 3/4" (CVN) 8 - H.S.B. 1 1/4" x 6" (A325)
(FF152) 2 - F.I.M. Pls. 12 1/2" x 7/16" x 1'-11 3/4" (")
(FF152) 2 - F.I.M. Pls. 12 1/2" x 2 3/4" x 1'-11 3/4" (")
12 - H.S.B. 1 1/4" x 8" (A325)

1/4" Nom. Shims (Provide 1/4" Shims)
(FF153) 2 - Shim Pls. 17" x 4" x 8'-6 1/2"
(FF153B) 1 - Shim Pl. 17" x 8" x 8'-6 1/2"
(FF153C) 2 - Shim Pls. 17" x 16" x 8'-6 1/2"
84 - H.S.B. 1 1/4" x 6" (A325)

(Typ. Corner) (RIVER TEN-R)

SEC. I-I



86 - H.S.B. 1 1/4" x 6" (A325)

SEC. J-J

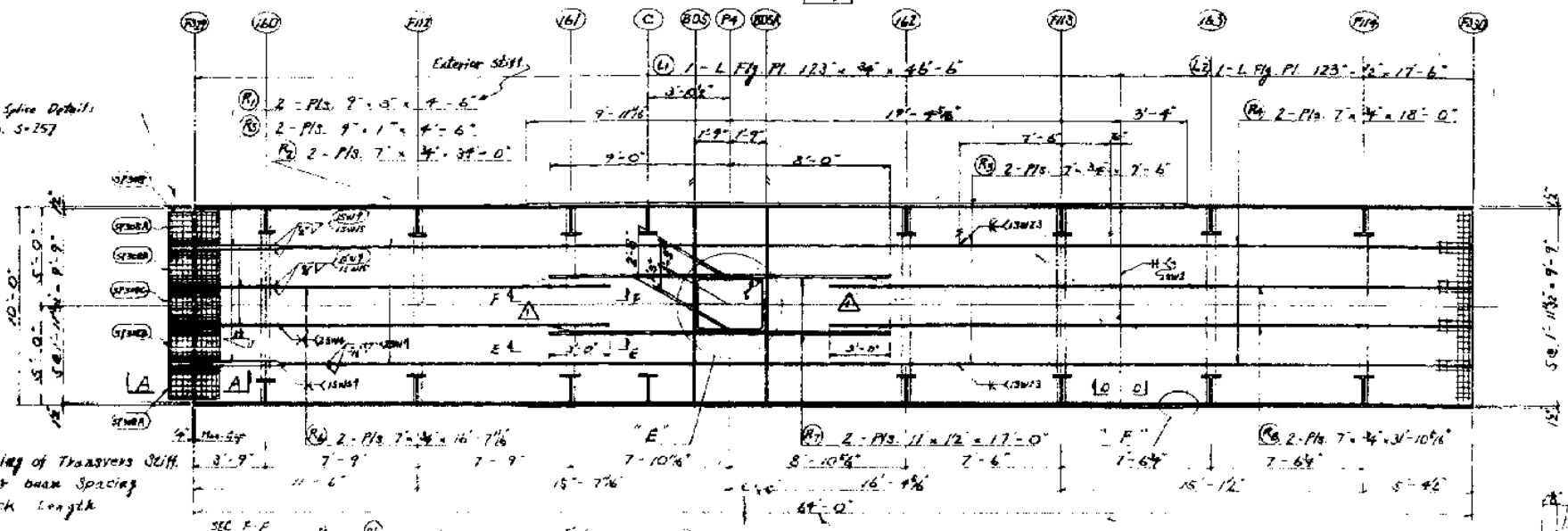
NOTES:
1 This Dwg shows SEC. of Interior Web ([FF]) on Dwg NO S-168
2 Work with Dwg No. S-168 & S-167.
3 For additional notes, See Dwg No. S-122 & S-168

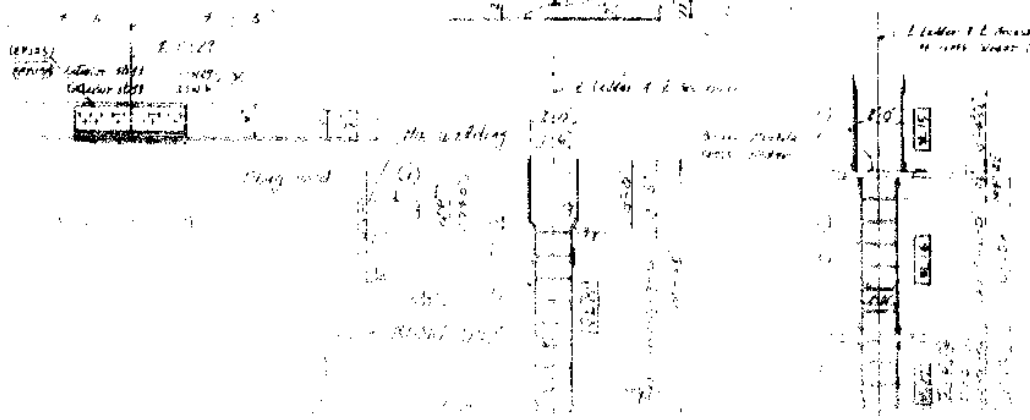
BOX GIRDER . BOTTOM FLANGE BA30 - BB30

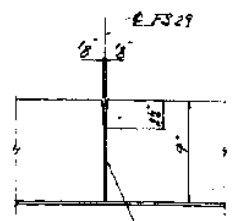
Scale : 1/4" = 1'-0"

BA30B | BB30B

-4

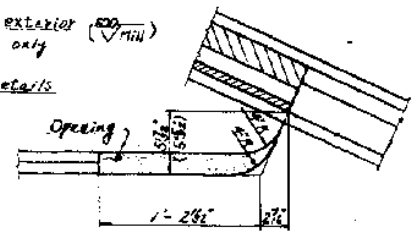




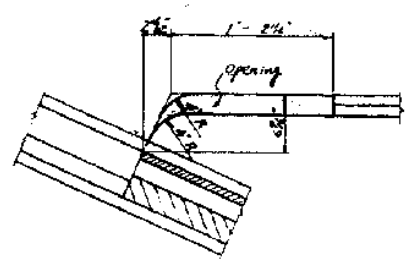


Longitudinal End Details
F329 only

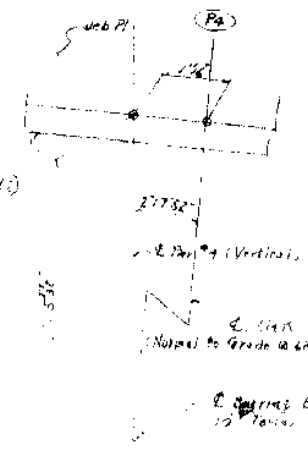
Original Shape	% Substituted shape
R 2½" x ⅜"	F.B 65mm x 9mm (2.559" x 0.354")
R 3" x ⅜"	F.B 75mm x 9mm (2.953" x 0.354")
R B ¾" ϕ	R B 19mm ϕ (0.748" ϕ)



DET "a"
Scale : 1/2" = 1'-0"
(See Dwg No. S-168)



DET "b"
Scale : 1/2" = 1'-0"
(See Dwg No. S-168)



DET "c"
See Dwg No. S-168

NOTES

1. All material used for members shown on this dwg shall conform to ASTM A36, and shall be fabricated after fabrication according to AISC - ASD unless otherwise noted.
2. For additional details see Dwg. No. S-168 & 169.
3. For identification of shapes see the erection plan.

BA 33 as shown BB 33 symmetrical about ℄ bridge

BOX GIRDER. WEB AND BOTTOM FLANGE BA33(BB33)

Scale : 4" = 1'-0"

SEC. C-C (Scale: 4" = 1'-0")

DET. A (Scale: 1½" = 1'-0")

SEC. H-H (Scale: ⅜" = 1'-0")

SEC. I-I (Scale: ⅜" = 1'-0")

SEC. B-B

DET. L (BB33 only)

SEC. J-J

Normal to Grade

Top of Anchor Pl.

Level Line

Starting Point of Level Line (Top of Bott. Flg.)

Top of Anchor Pl. (Parallel to grade) See Detail A

Ventilation Hole — See Detail on Dwg. No. S-132

Manhole for Fabrication — See Detail on Dwg. No. S-21

See Field Splice Details on Dwg. No. S-132, 133

Spacing at Transverse Stiffs.

Floorbeam Spacing

Block Length

All longitudinal dimensions are measured in a horizontal plane

This hole shall be closed with a plate by welding procedure number as shown and shall be inspected by 100% RT. because this hole has been opened.

For temp. jacking arrangement, after erection fill holes with H.S. bolts. 64-H.S. Bolts 1"ϕ x 2" (A325) (furnished by Melbourne Bros. Const. Co.)

For Temp jacking arrangement

6 @ 7 6¾" = 45'-4½"

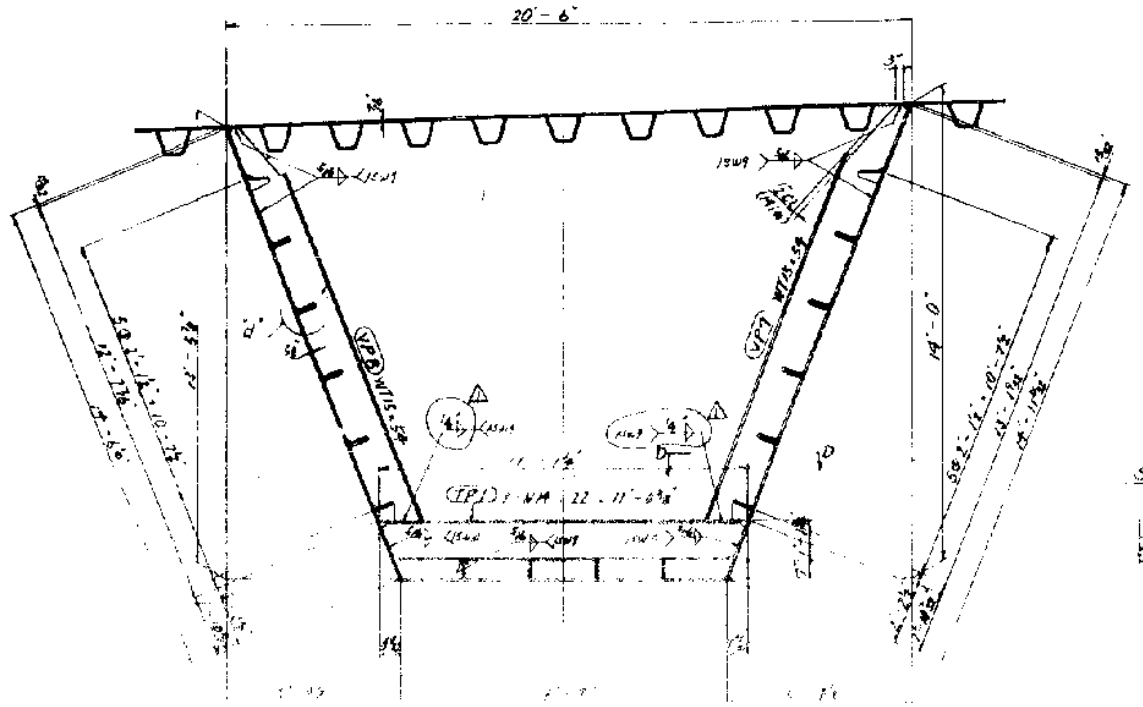
57'-6⅞"

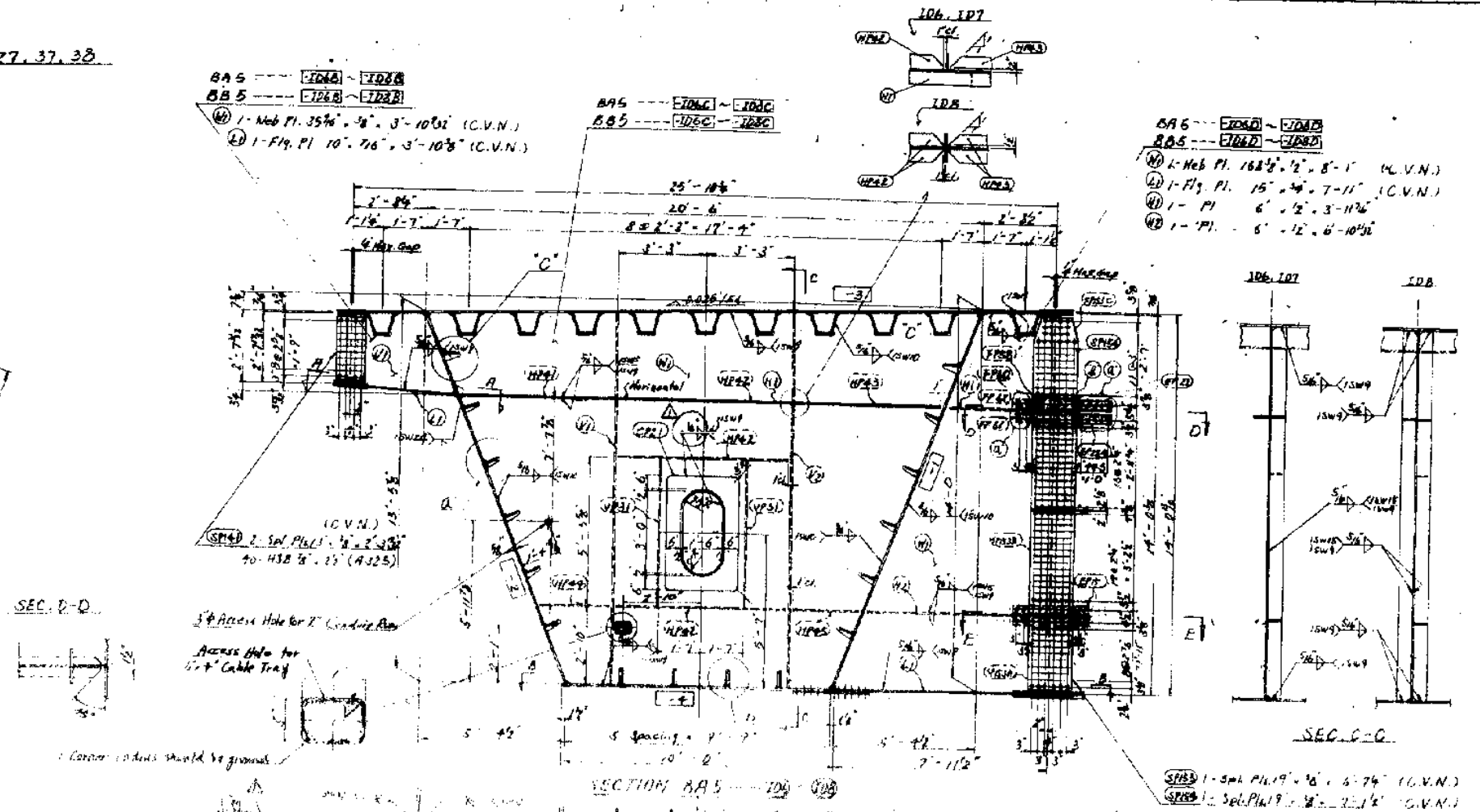
Bill of Material

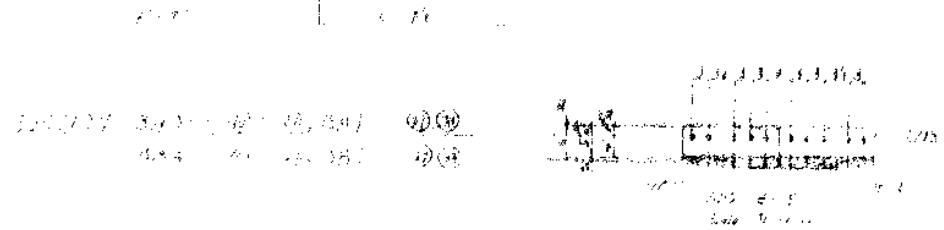
Mark	Description
(BA1)	1-Pl 27" x ⅞" x 2'-3⅞"
(BA2)	1-Pl 27" x ⅝" x 2'-8⅝"
(BA3)	3-Pl 7" x ⅜" x 1'-10⅛"
(BA4)	1-Pl 7" x ⅝" x 2'-1⅝"
(BA5)	1-Pl 7" x ⅝" x 2'-1⅝"
(BB1)	1-Pl 27" x ⅞" x 3'-6½"
(BB2)	1-Pl 27" x ⅞" x 3'-6½"
(BB3)	3-Pl 7" x ⅜" x 1'-10⅛"
(BB4)	1-Pl 7" x ⅝" x 2'-1⅝"
(BB5)	1-Pl 7" x ⅝" x 2'-1⅝"

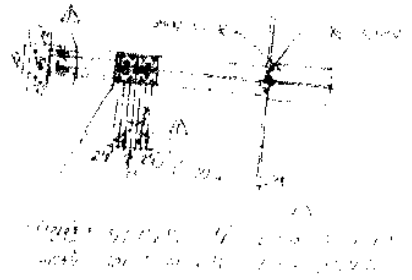
BOX GIRDER INTERMEDIATE DIAPHRAGM ID6~ID8 , TRANSV. STIFF. 20~27, 37, 38

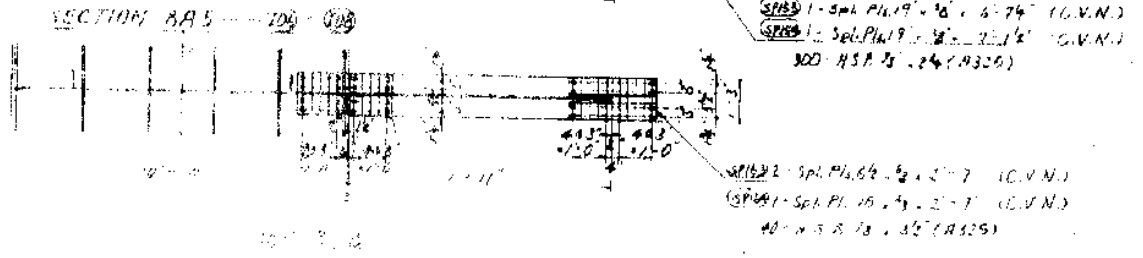
(Scale : 3/8" = 1'-0")







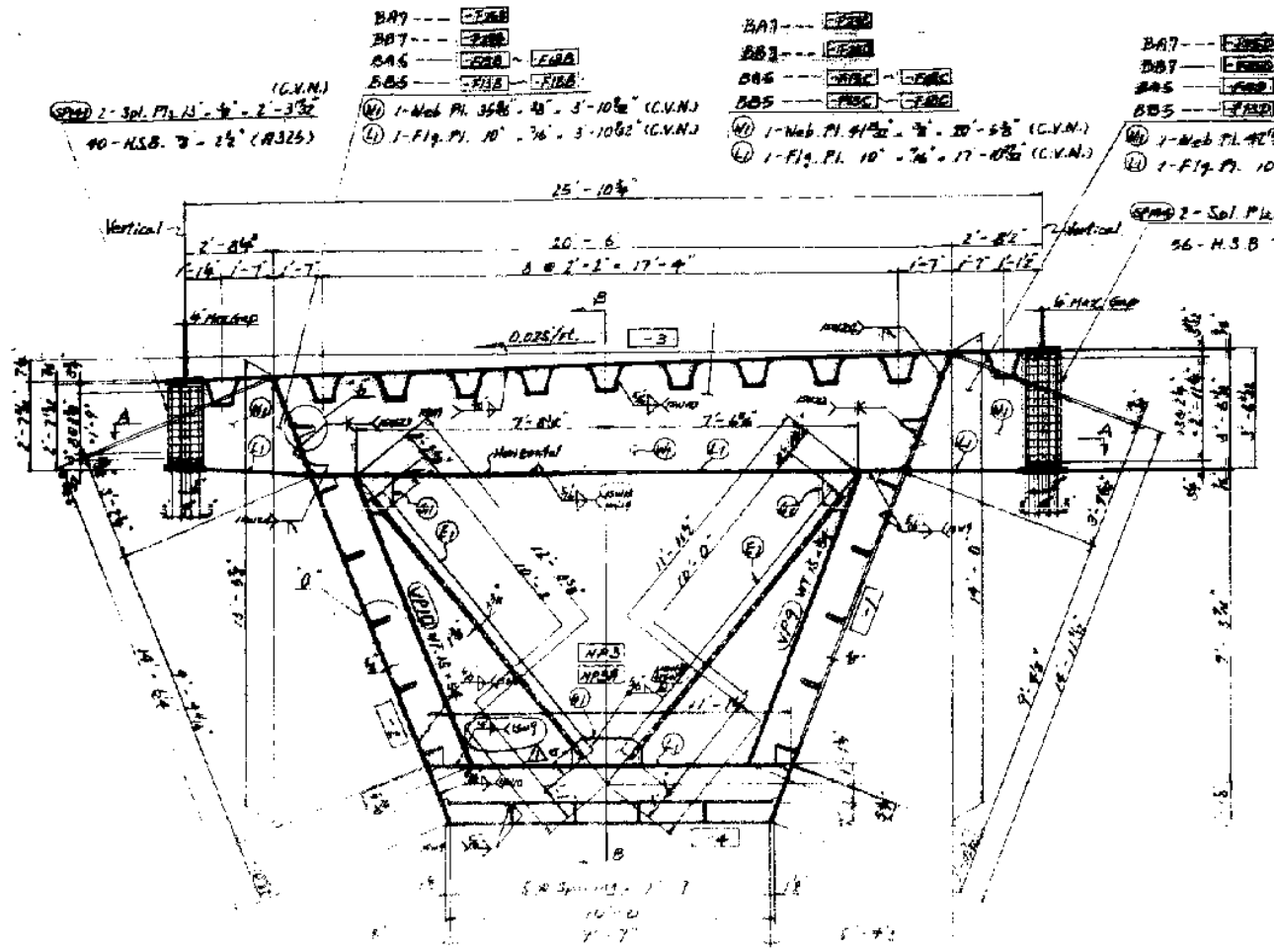




NOTES

BOX GIRDER CROSS SECTION F13~F18, F25, TRANSV. STIFF. BA5, BB5 a~f, BA7, BB7 c~e

(Scale : 3/8" = 1'-0")



NOTES...
1. For notes, see Dwg. No. S-105.

BOX GIRDER CROSS SECTION BA6, BB6 (½)

Scale: 3/8" = 1'-0"

BA6A ----- -FAB
BB6A ----- -FAB

(1) 1-Web Pl. 35⅜" × ⅜" × 3'-9⅝" (C V N)
(4) 1-Flg. Pl. 10" × 7/8" × 3'-9⅝" (C V N)

(SPL1) 2-Spl. Pl. 8" × ⅝" × 2'-3½" (C V N)
10-H.S.B. ⅞" × 22" (A325)

BA6A ----- -FAC
BB6A ----- -FAC

(1) 1-Web Pl. 41⅜" × ⅜" × 20'-3¼" (C V N)
(4) 1-Flg. Pl. 10" × 7/8" × 17'-8⅝" (C V N)

BA6A ----- -FAD
BB6A ----- -FAD

1-Web Pl. 42⅜" × ⅜" × 3'-11⅝" (C V N)
1-Flg. Pl. 10" × 7/8" × 3'-11⅝" (C V N)

(SPL1) 2-Spl. Pl. 15" × ⅝" × 5'-2¾" (C V N)
56-H.S.B. ⅞" × 22" (A325)

25'-10¾"
20'-6"
2'-8½" 1'-7" 1'-7" @ 2'-6" = 17'-4" 1'-7" 1'-7" 2'-8½"

(SPL1) 1-Spl. Pl. 11½" × ⅝" × 2'-8½"
(SPL2) 2-Spl. Pls. 4" × ⅝" × 2'-8½"
20-H.S.B. 1"ø × 3½" (A325)

SECTION A-A

SEC X-X

(SPL1) 1-Spl. Pl. 11½" × ⅝" × 2'-8½"
(SPL2) 2-Spl. Pls. 4" × ⅝" × 2'-8½"
10-H.S.B. 1"ø × 3½" (A325)

× (FAB) 1-L 12" × 12" × ⅞" × 10'-0"
× (FAB) 1-L 12" × 12" × ⅞" × 9'-11"
BA6A (2) 1-Pl. 15" × ⅜" × 1'-9"
BB6A (2) 1-Pl. 15" × ⅜" × 1'-4"
(3) 1-Pl. 12" × ⅜" × 2'-5"
(4) 1-W 14" × 22" × 10'-10½"
12-H.S.B. ⅞" × 14" (A325)

(SPL3) 2-Spl. Pl. 44" × ⅜" × 5'-5" (C V N)
(SPL3) 1-Spl. Pl. 3" × ⅜" × 5'-5" (C V N)
24-H.S.B. ⅞" × 2½" (A325)

NOTES:
1. For notes, see Dwg No. 220
2. Specific substitutions, shapes and sizes for this girder

SECTION A-A

W14 × 22.

BOX GIRDER CROSS SECTION BA6, BB6 (3/2)

Scale : 3/8" = 1'-0"

BA6A ---- F20A
BB6A ---- F20B
(W) 1-Web Pl. 35 3/8" x 5/8" x 3'-9 5/16" (C.V.N.)
(F) 1-Flg. Pl. 10" x 3/8" x 3'-9 7/16" (C.V.N.)

BA6A ---- F20C
BB6A ---- F20C
(W) 1-Web Pl. 41 13/16" x 5/8" x 20'-3 7/16" (C.V.N.)
(F) 1-Flg. Pl. 10" x 7/16" x 17'-8 27/32" (C.V.N.)

BA6A ---- F20C
BB6A ---- F20D
(W) 1-Web Pl. 42 13/16" x 3/8" x 3'-11 13/32" (C.V.N.)
(F) 1-Flg. Pl. 10" x 7/16" x 3'-11 13/32" (C.V.N.)

(SP4A) 2-Spl. Pl. 15" x 5/8" x 3'-2 1/2" (C.V.N.)
10-H.S.B. 7/8" x 2'-2" (A325)

25'-10 3/4"
20'-6"
8 @ 2'-2" = 17'-4"
2'-8 1/2" (C.V.N.)
2'-8 1/4"
1'-1 1/4" 1'-7" 1'-7"

(SP4B) 2-Spl. Pl. 15" x 5/8" x 3'-2 1/2" (C.V.N.)
56-H.S.B. 7/8" x 2 1/2" (A325)

See Detail on Dwg. No. S-179
See Detail G
See Detail b
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SEC. D-D
(Scale: 1" = 1'-0")

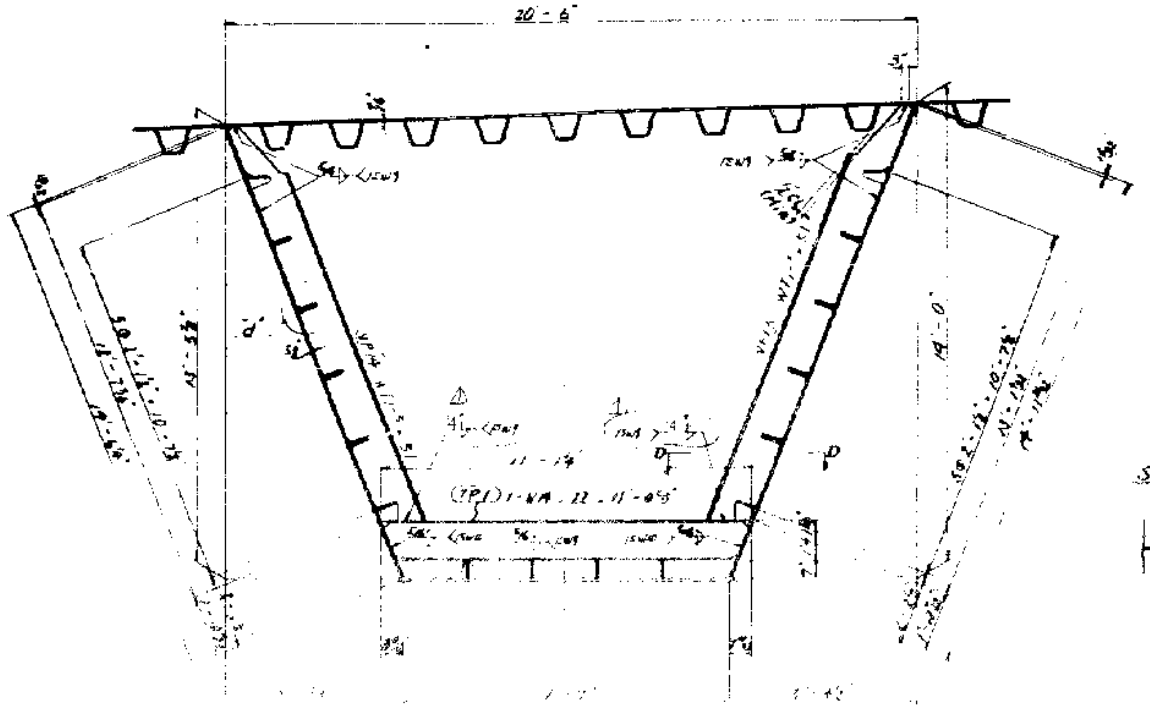
SECTION AT

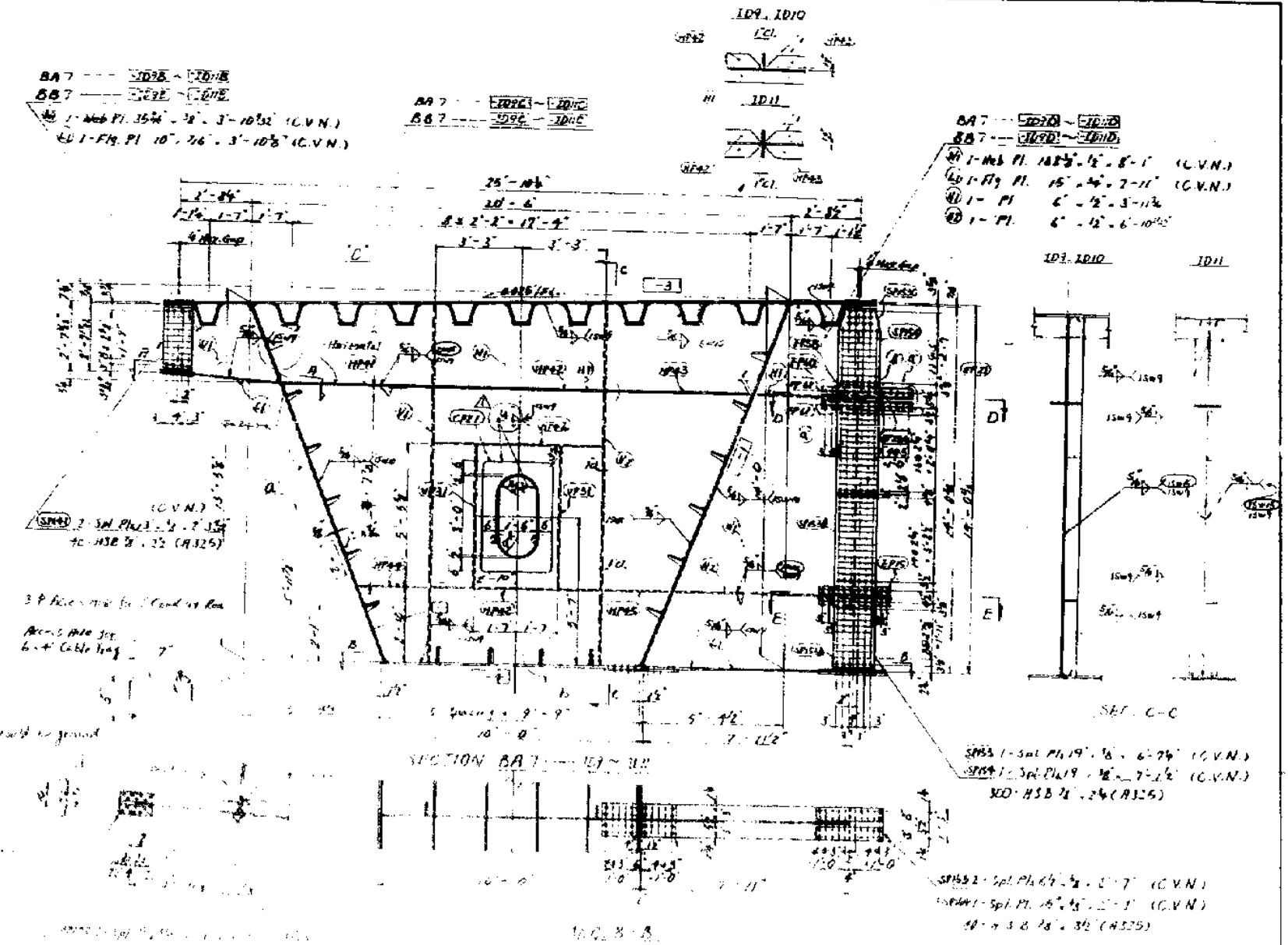
SECTION AT

NOTES.
1 For notes, see Dwg. No. S-128

BOX GIRDER INTERMEDIATE DIAPHRAGH ID7~ID11 TRANSV. STIFF. 31 ~ 35

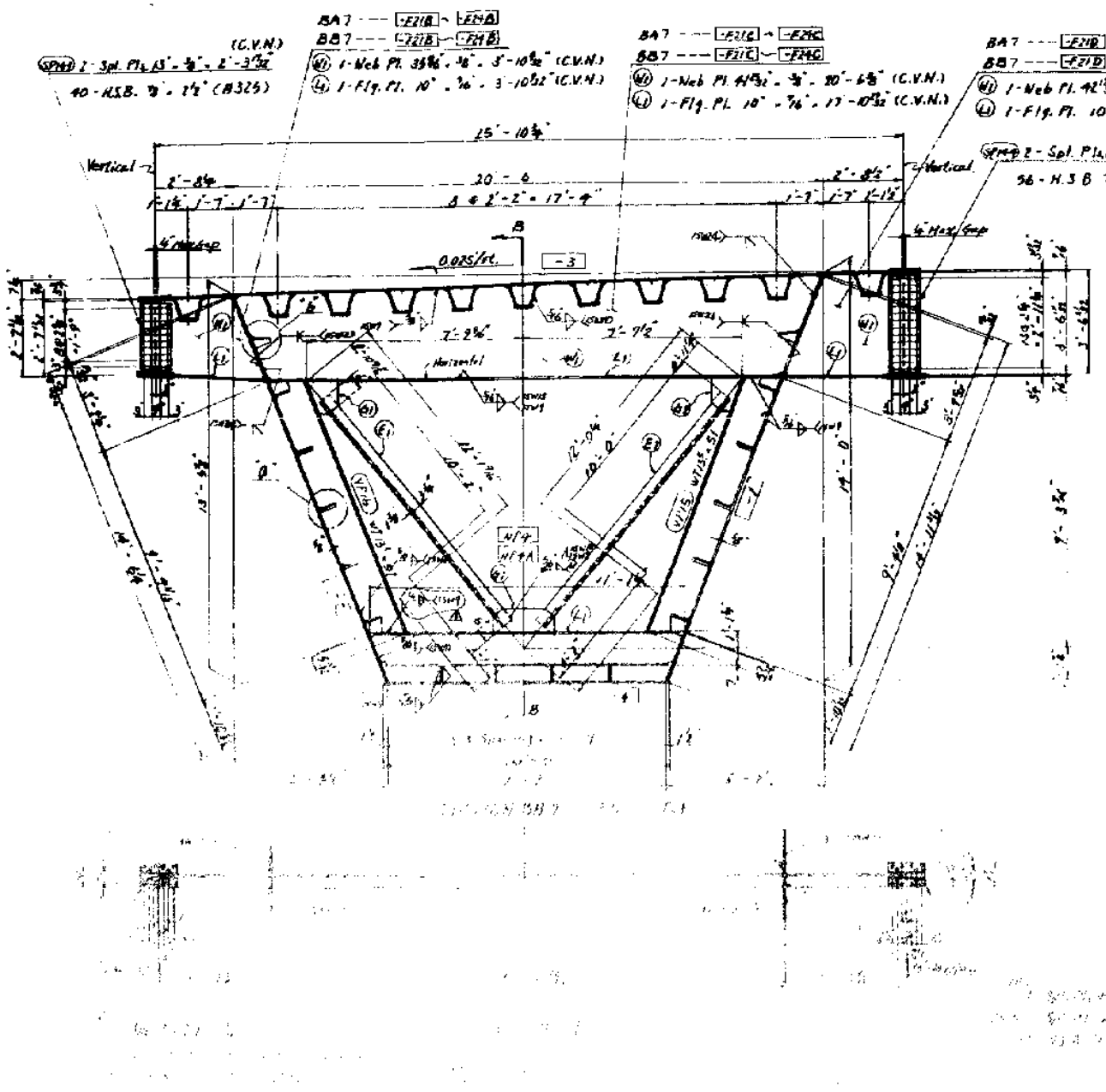
(Scale : 3/8" = 1'-0")

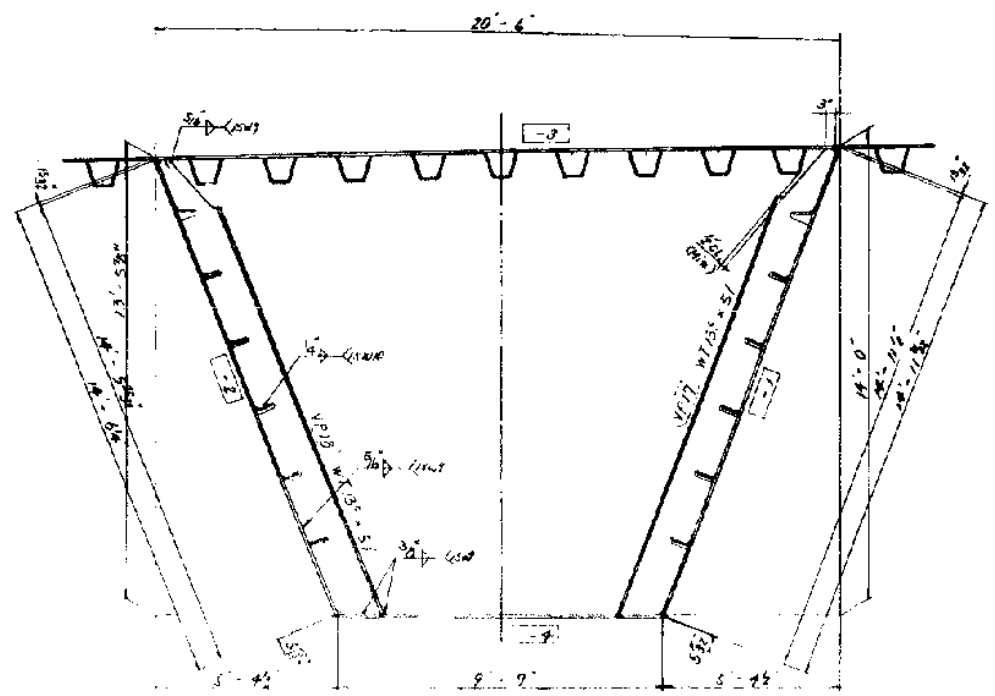




BOX GIRDER CROSS SECTION F21-F24 TRANSV. STIFF. BA7, BB7 a, b

(Scale: 3/8" = 1'-0")



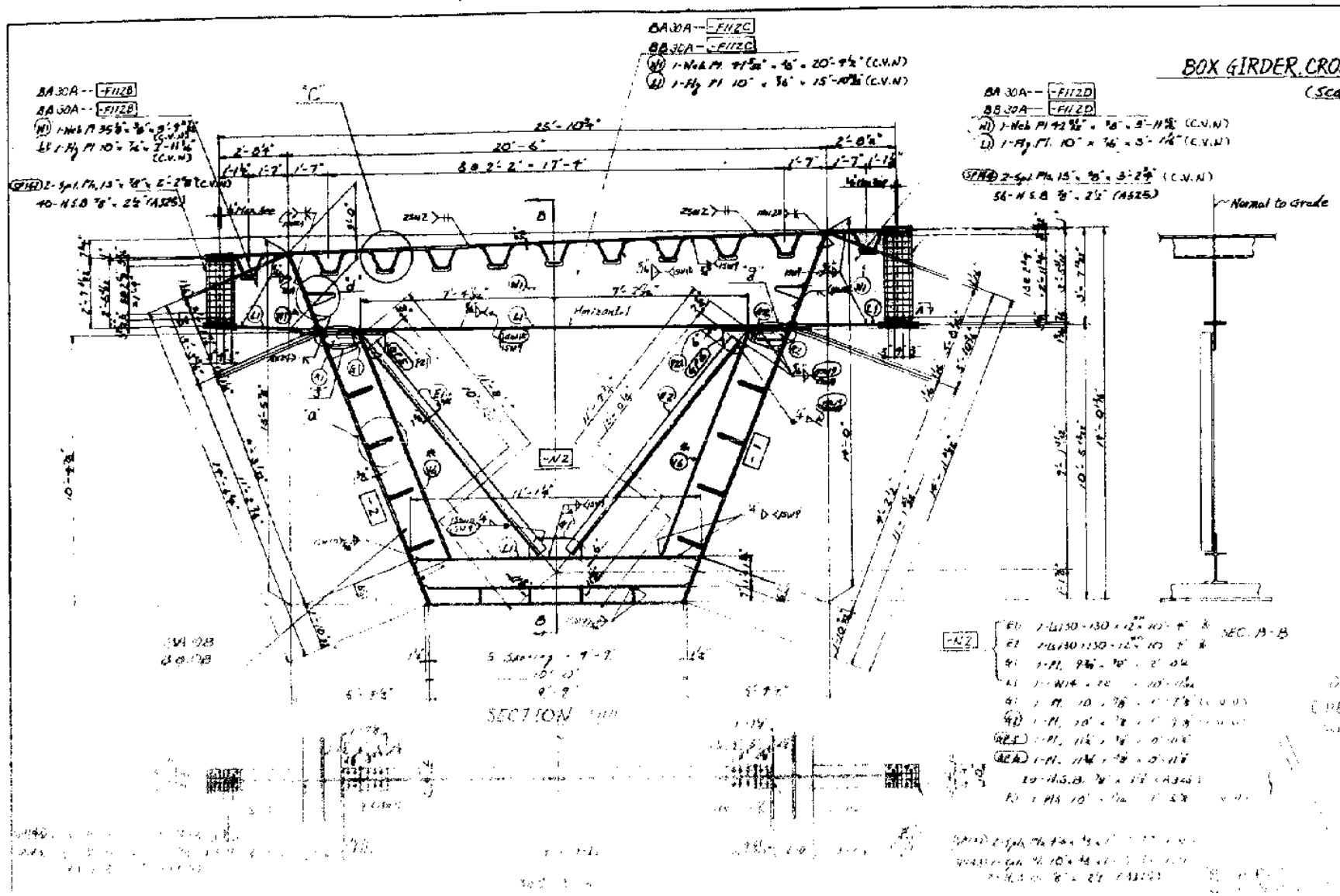


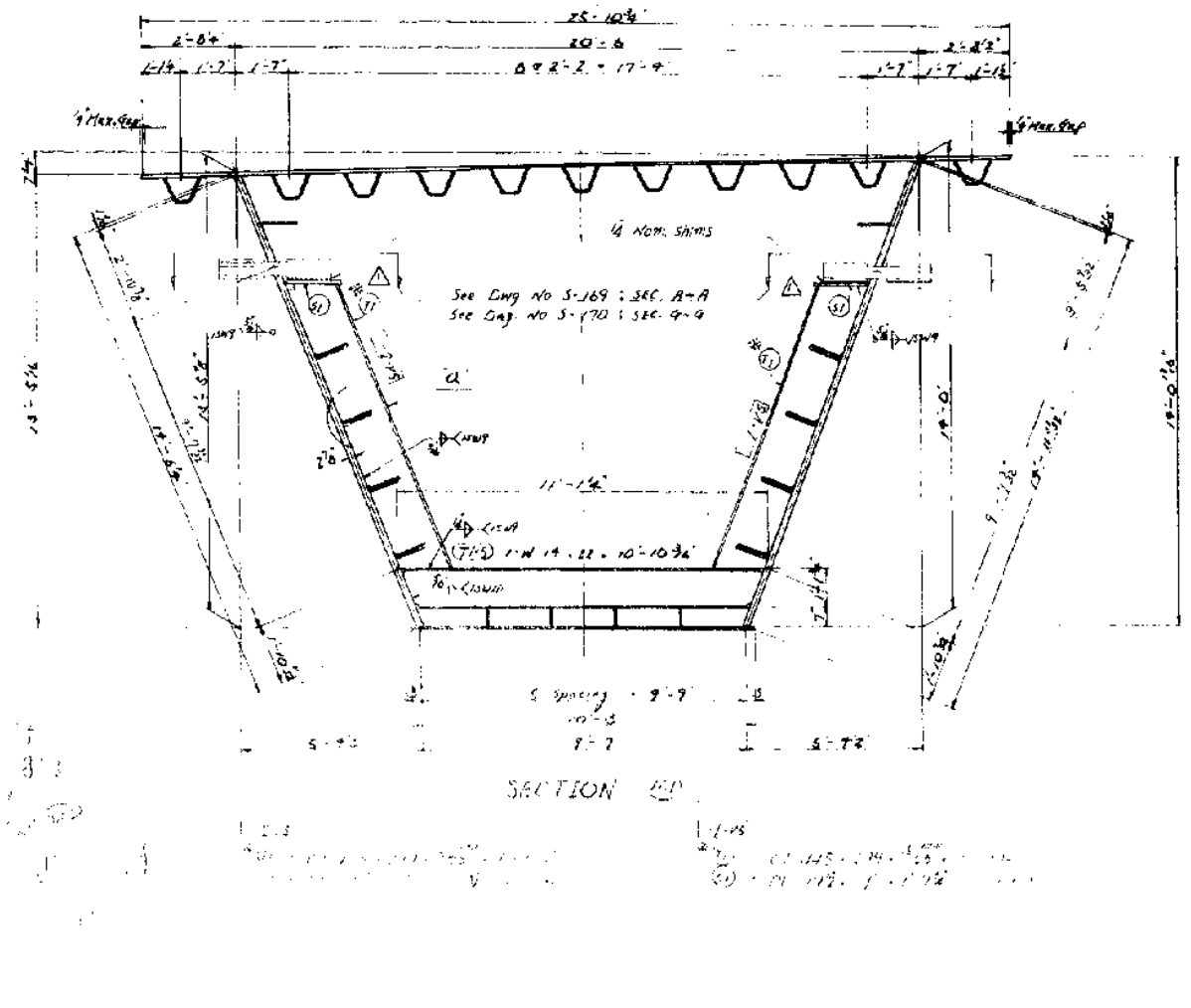
NOTES:

1. For notes, see Dwg. No.

BOX GIRDER CROSS SECTION F112 TRANSV STIFF 160, 161

(Scale: 3/8" = 1'-0")



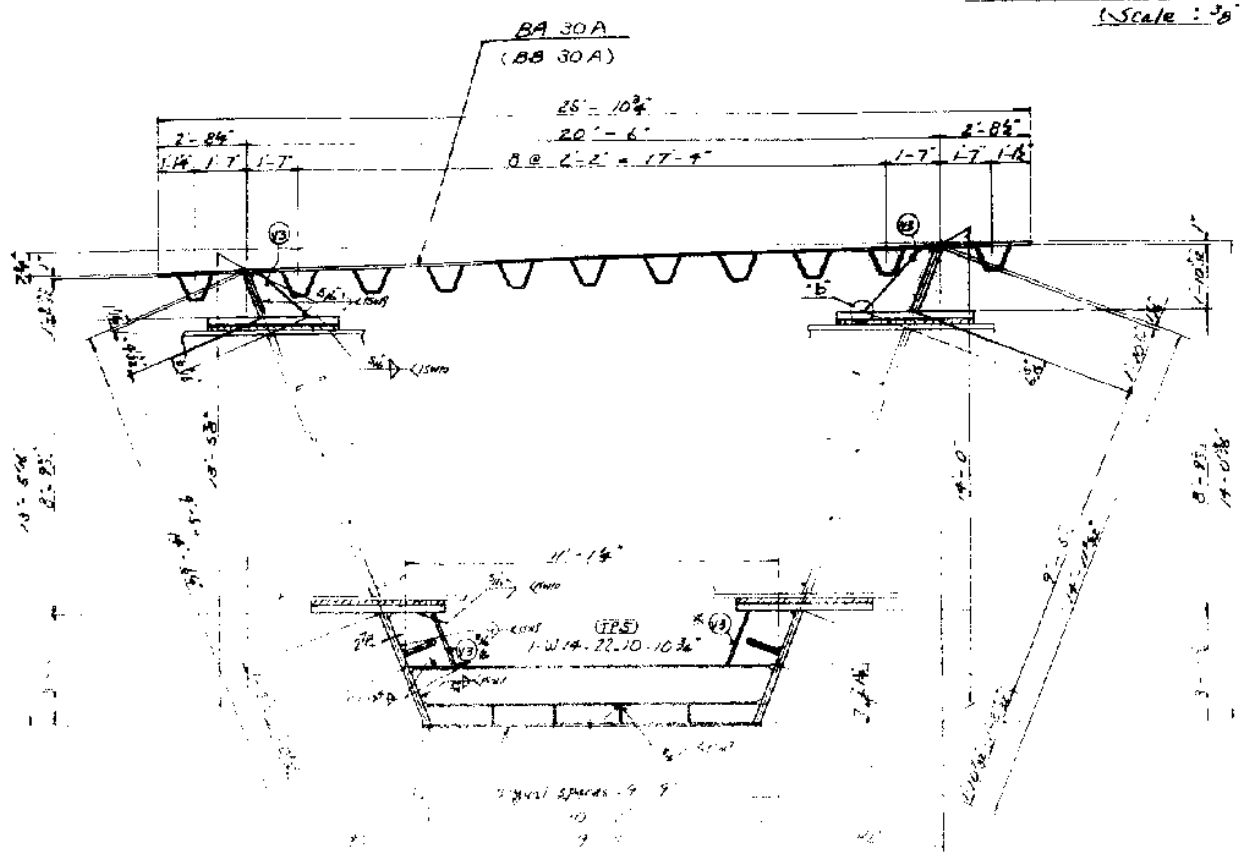


NOTES:

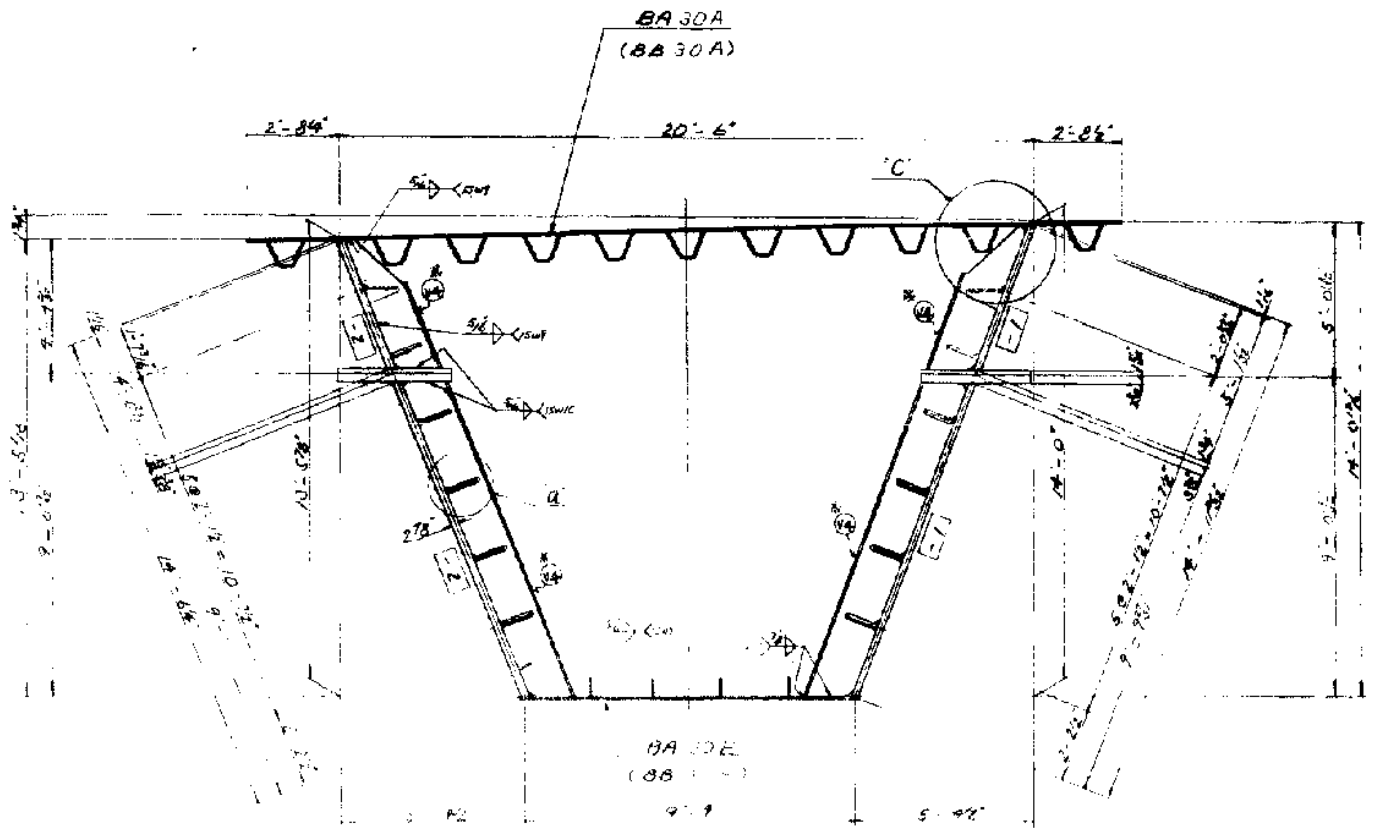
1 For notes, see Dwg. No. S 170

BOX GIRDER. TRANSV. STIFF. 162, C

(Scale : 3/8" = 1'-0")



SECTION AB



SECTION CC

NOTES.

1. For notes, see Drwg. No. 3/120.