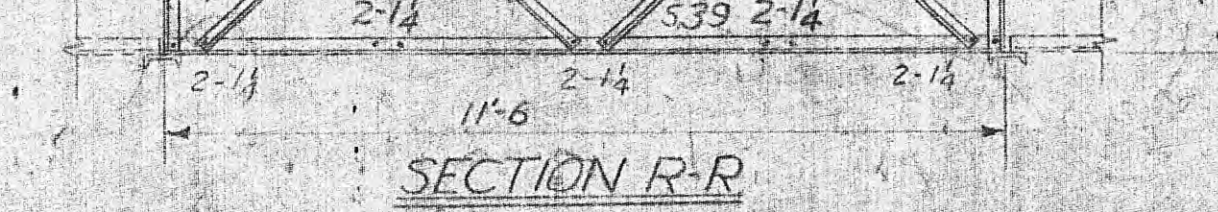
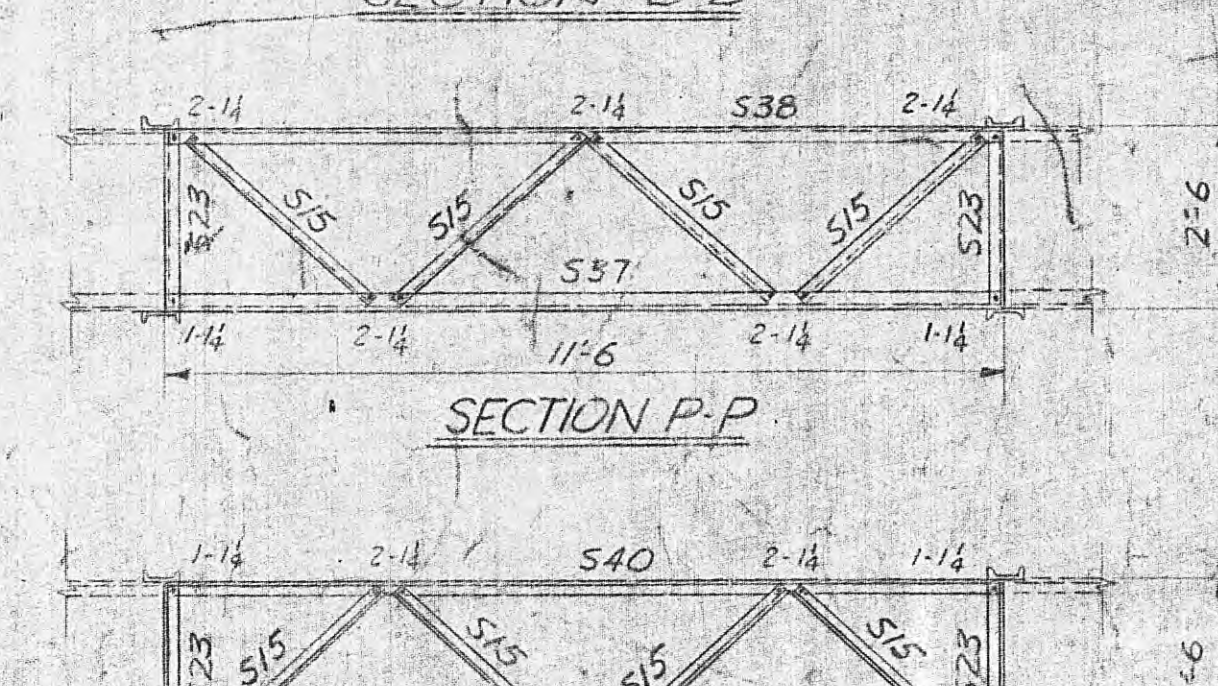
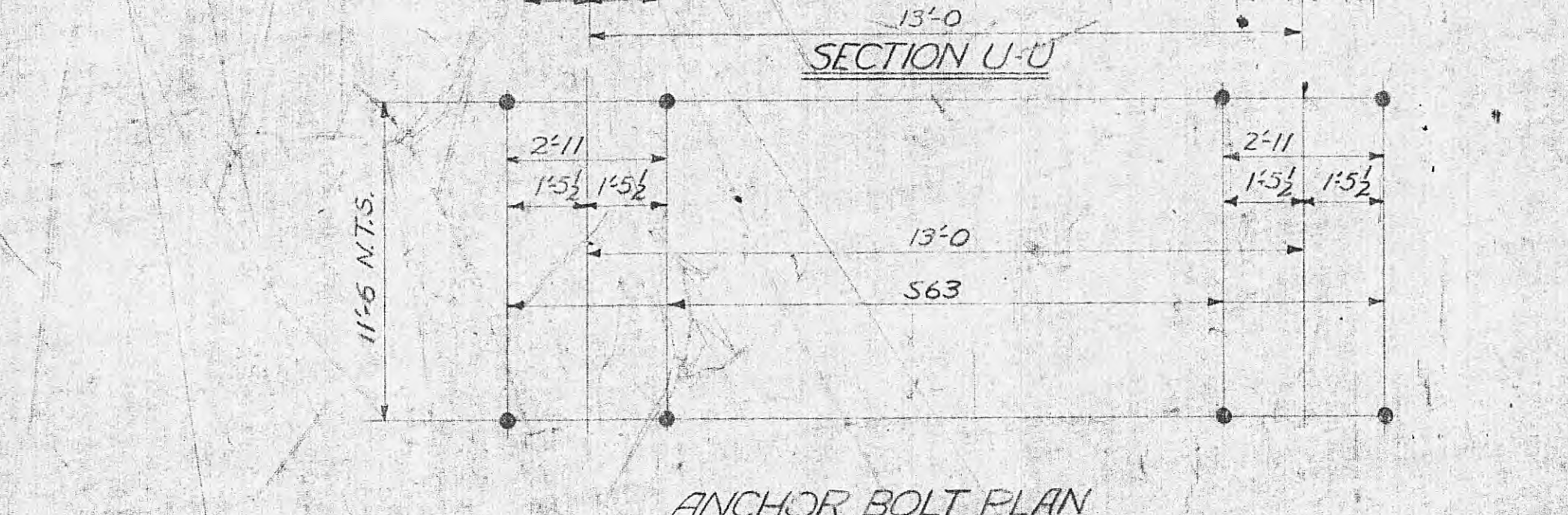
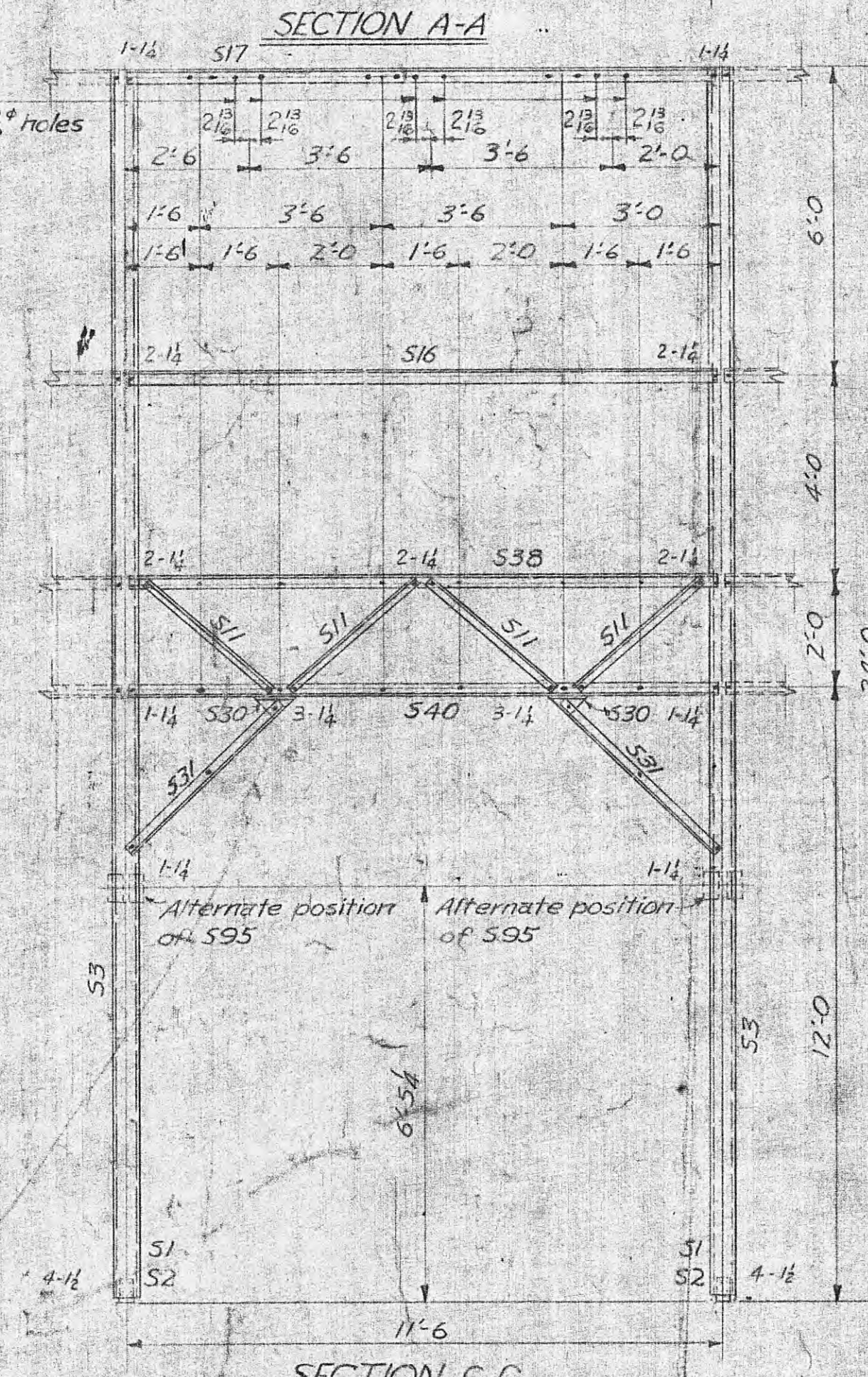
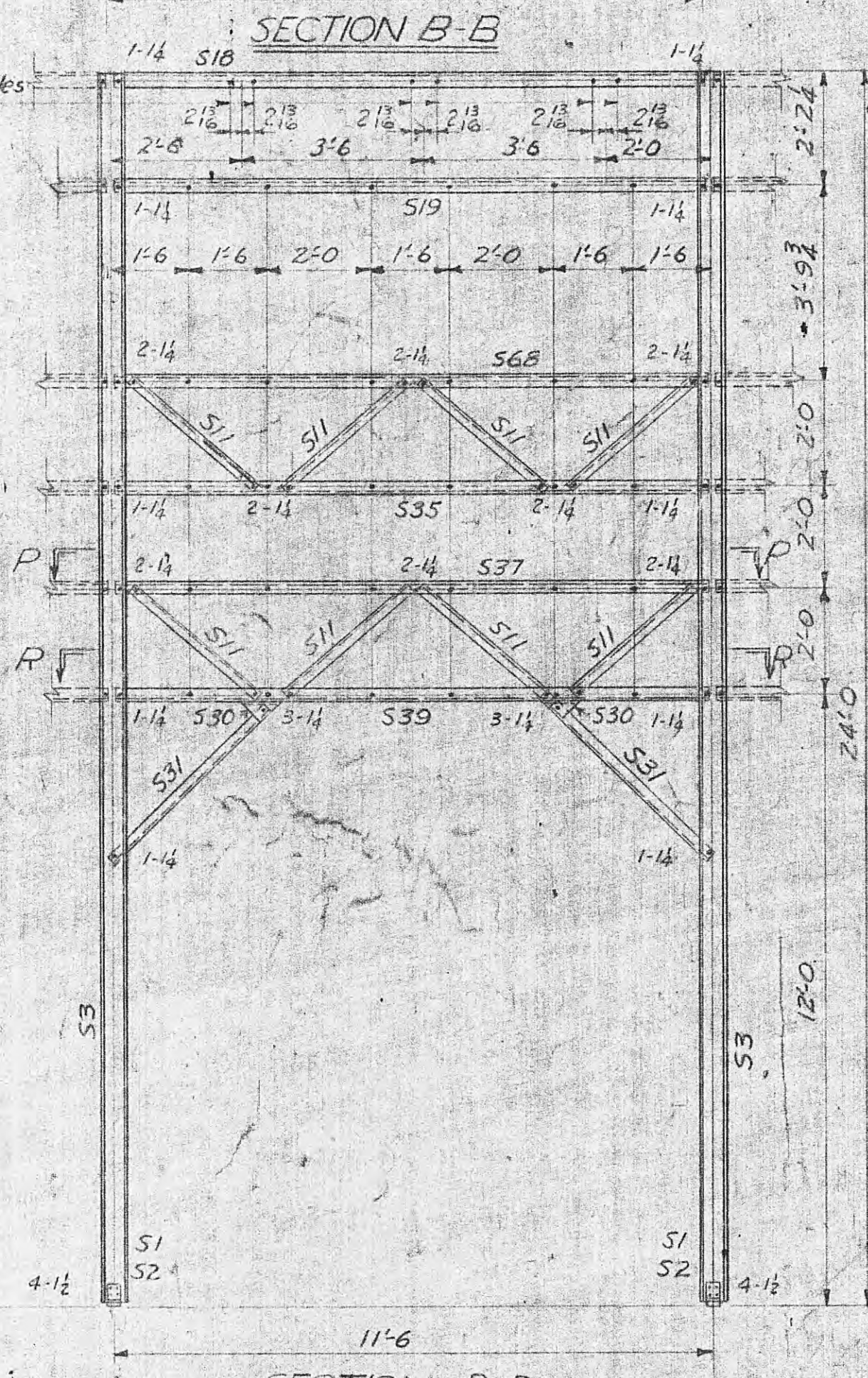
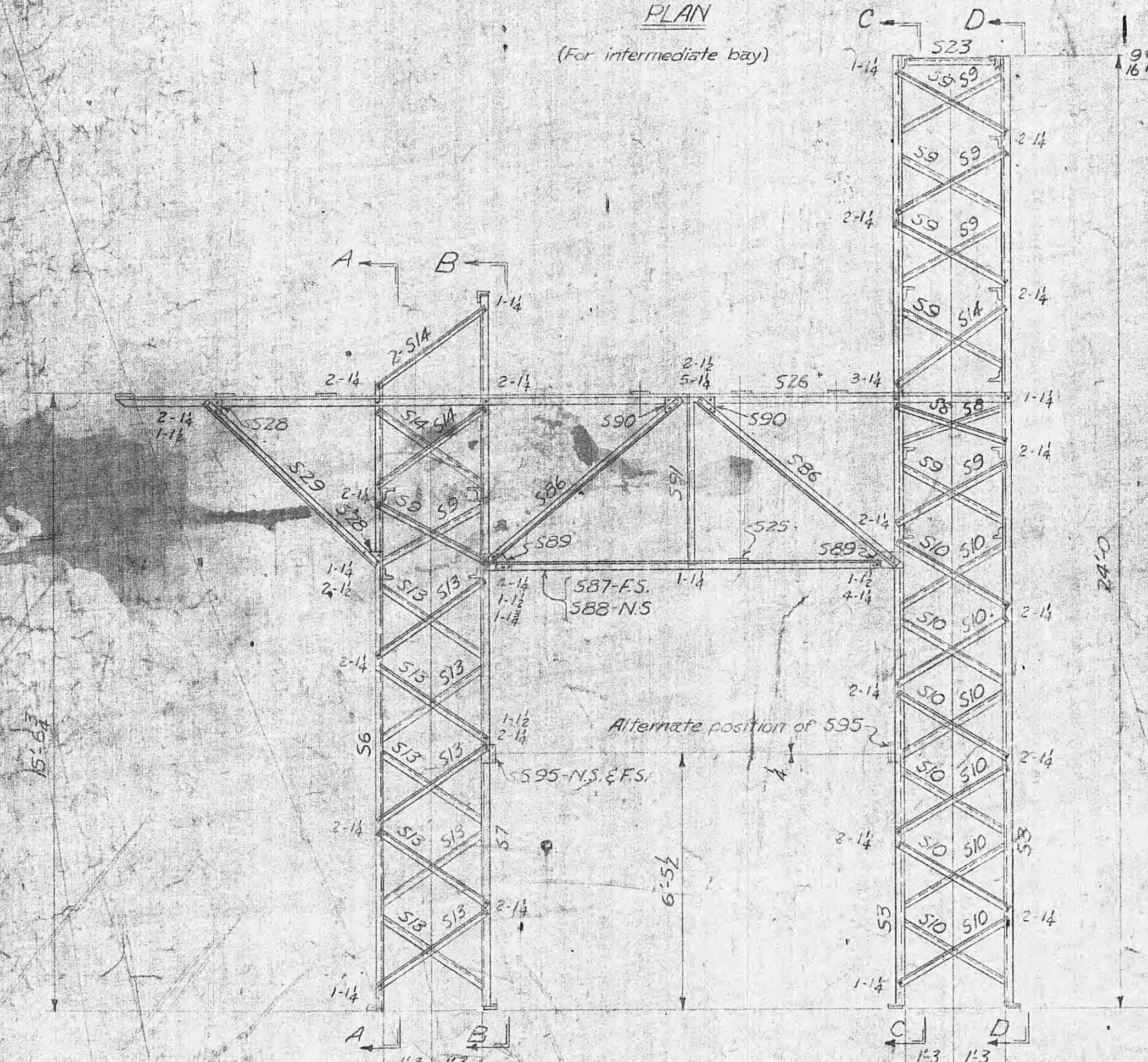
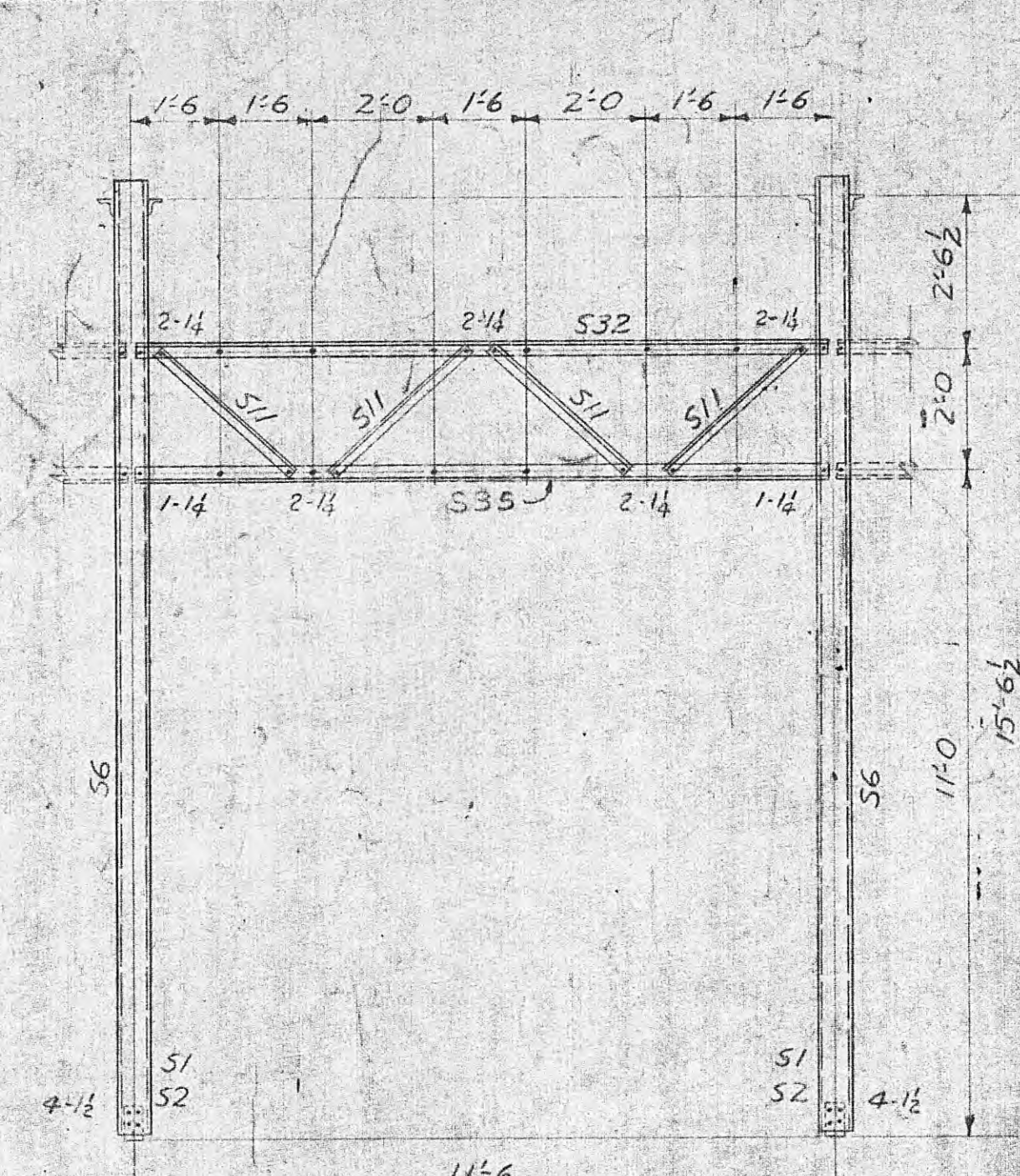
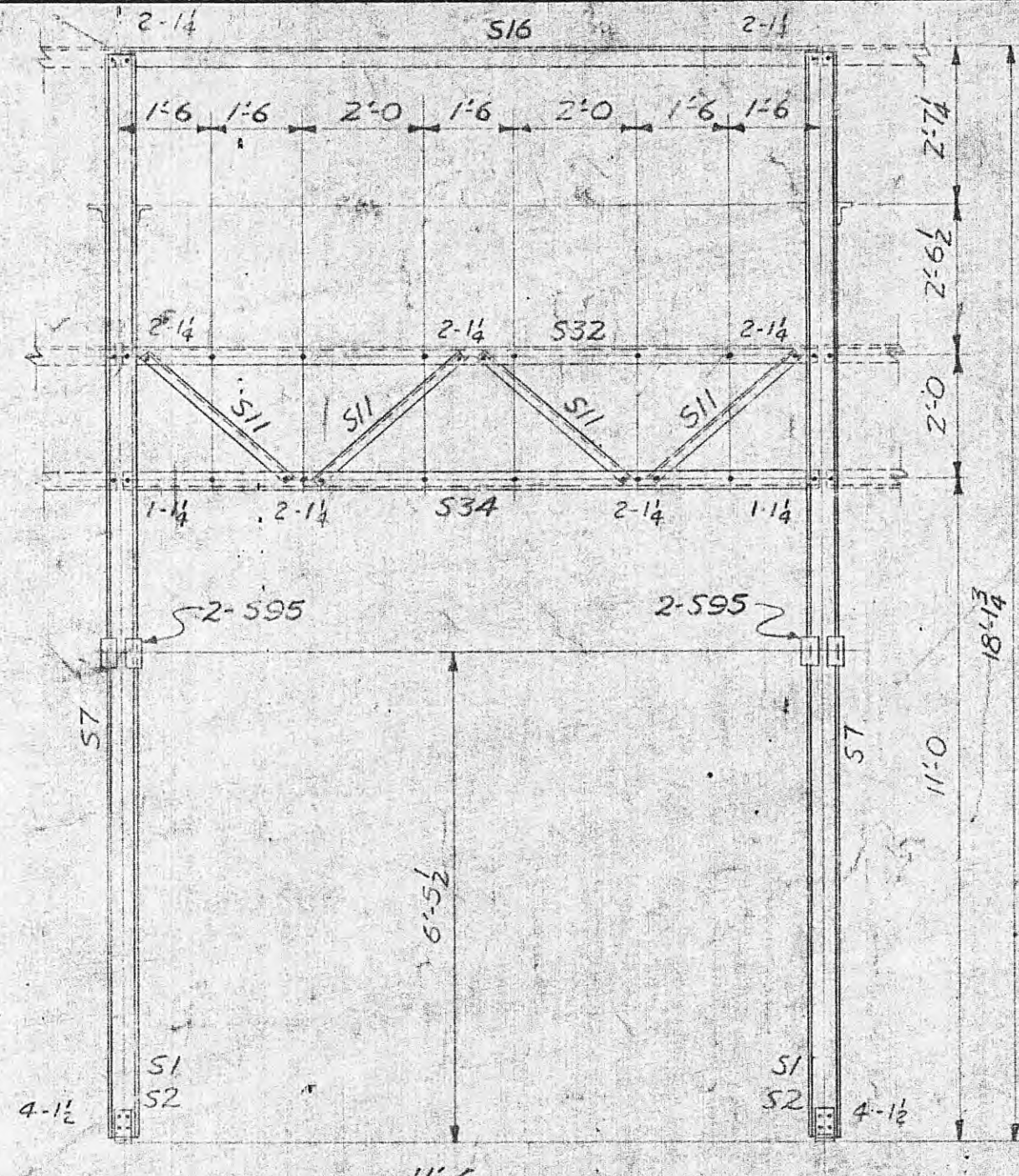
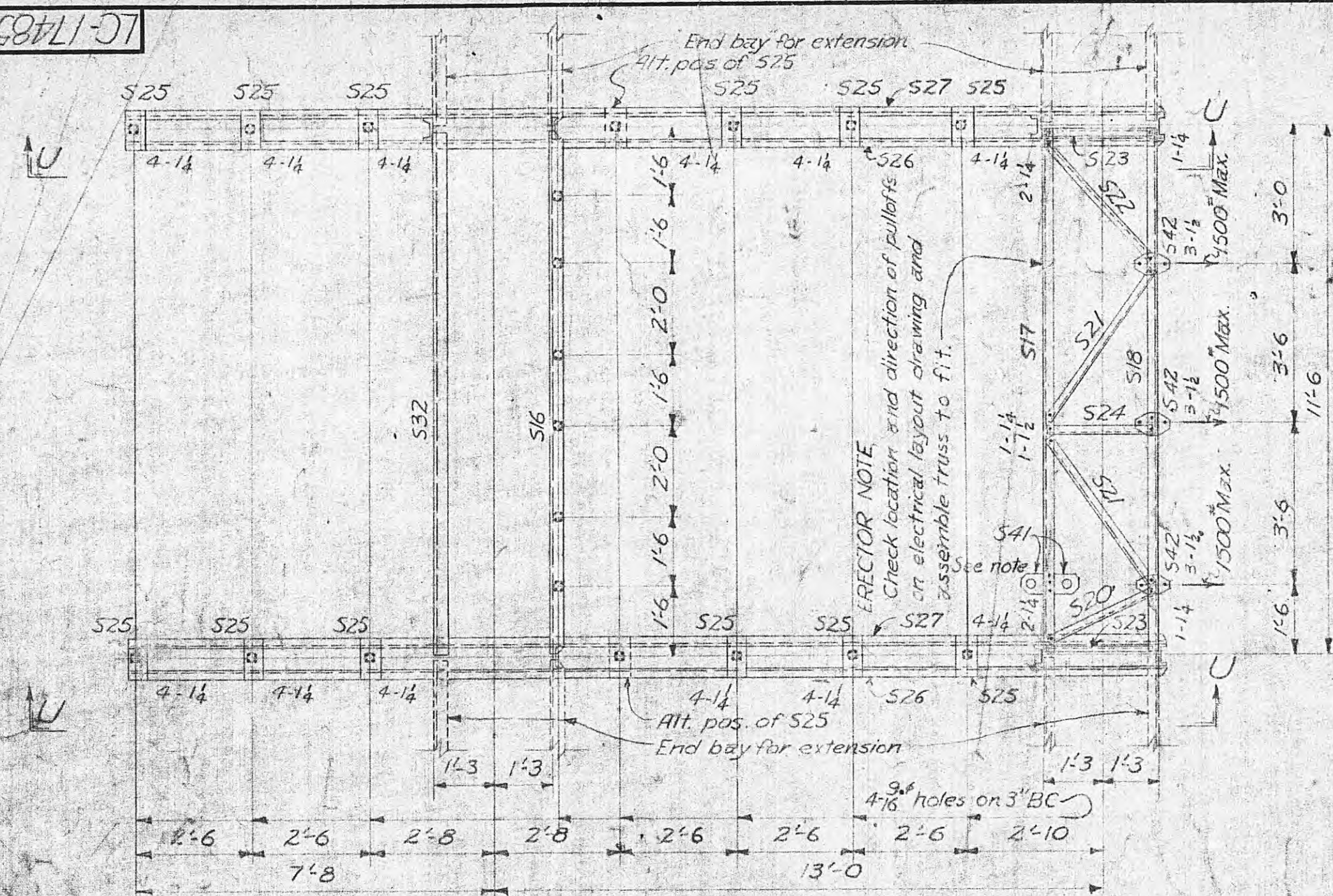


LC-17485



BILL OF MATERIAL					
MARK	QTY	DESCRIPTION	LENGTH	WT	
			FT	LB	EACH
S1	8	L-6X4X1/2	0	4.5	6
S2	8	Plate-4X2	0	3.5	2
S3	4	6" L-8.2"	23	11.5	202
S6	2	6" L-8.2"	15	9.5	134
S7	2	Do.	18	0.5	153
S8	4	L-1/2X1/2X1/2	2	11.5	6
S9	22	Do.	3	2.2	6
S10	24	Do.	3	3.5	6
S11	20	Do.	5	2.4	6
S13	20	L-1/2X1/2X1/2	3	4.5	6
S14	10	Do.	3	5.5	6
S15	8	Do.	3	5.5	6
S16	2	L-4X4X1/2	11	5.2	78
S17	1	L-3/2X3X1/2	11	5.2	64
S18	1	Do.	11	5.2	64
S19	1	Do.	11	5.2	64
S20	1	L-1/2X1/2X1/2	2	6.5	6
S21	2	Do.	4	0.5	6
S22	1	Do.	3	5.5	6
S23	6	L-1/2X1/2X1/2	2	4.5	4
S24	1	L-2X2X1/2	2	4.5	6
S25	14	Plate-5X4	0	10	4
S26	2	L-2X2X1/2	22	5.5	64
S27	2	Do.	22	5.5	64
S28	8	Plate-5X4	0	5	2
S29	4	L-2X2X1/2	6	11	13
S30	4	L-2X2X1/2X1/2	0	5	1
S31	4	L-2X2X1/2	4	3	4
S32	2	L-3/2X3X1/2	11	5.2	64
S34	1	L-3/2X3X1/2	11	5.2	64
S35	2	Do.	11	5.2	64
S37	1	L-2X2X1/2X1/2	11	5.2	36
S38	1	Do.	11	5.2	36
S39	1	Do.	11	5.2	36
S40	1	Do.	11	5.2	36
S41	3	Plate-5X4	0	6	4
S42	3	Plate-5X4	0	5	4
S63	8	1/2" Anchor bolts, 24" long	3	6	144
S68	1	L-3/2X3X1/2	11	5.2	64
S66	8	L-2X2X1/2	6	7.5	10
S67	2	L-2X2X1/2	9	7.5	12
S68	2	Do.	9	7.5	26
S69	8	Plate-5X4	0	9	4
S90	8	Do.	0	4.5	4
S91	4	L-2X2X1/2	4	4	11
S95	4	L-2X2X1/2	0	6.5	2
445	283	3/4" Bolts	0	14	0.27
77	48	Do.	0	1.5	0.28
5	5	Do.	0	0.2	0.25
Total Weight		4036#	265#		

NOTES

1" Holes unless otherwise noted.

3/4" Bolts unless noted.

Material to be hot-dip galvanized after fabrication.

Piece marks to be die-stamped before galvanizing.

For location of S41, see electrical drawing.

Bill of materials includes 10% excess bolts.

REFERENCES:

Foundation Dwg. HC-7645, Footing A.

Foundation Dwg. MC-19163, MC-19166

Ex'n for Regulator LC-17713, LC-21730

Return to Engineering
Flat File Drawer 7

Revised Bolt Weights

Total weight inter. bay was 4036#

Total weight End Bay was 265#

9/5/48 DTA JBR KVLG WGR

Redrawn

12-1-60 JTE PWE WET

REV	NO.	DATE	WORK ORDER	DESIGN	DRWN	CHKD	SUPV.	APPD.

DATE 10-10-45

CLASS CODE

SCALE NONE

ERECTOR DIAGRAM

TENNESSEE VALLEY AUTHORITY

DIVISION OF POWER PLANNING AND ENGINEERING

SUBSTATIONS GENERAL

15 KV BUS AND SWITCH STRUCTURE

TYPE "B"

REV	NO.	DATE	WORK ORDER	DESIGN	DRWN	CHKD	SUPV.	APPD.

DATE 10-10-45

CLASS CODE

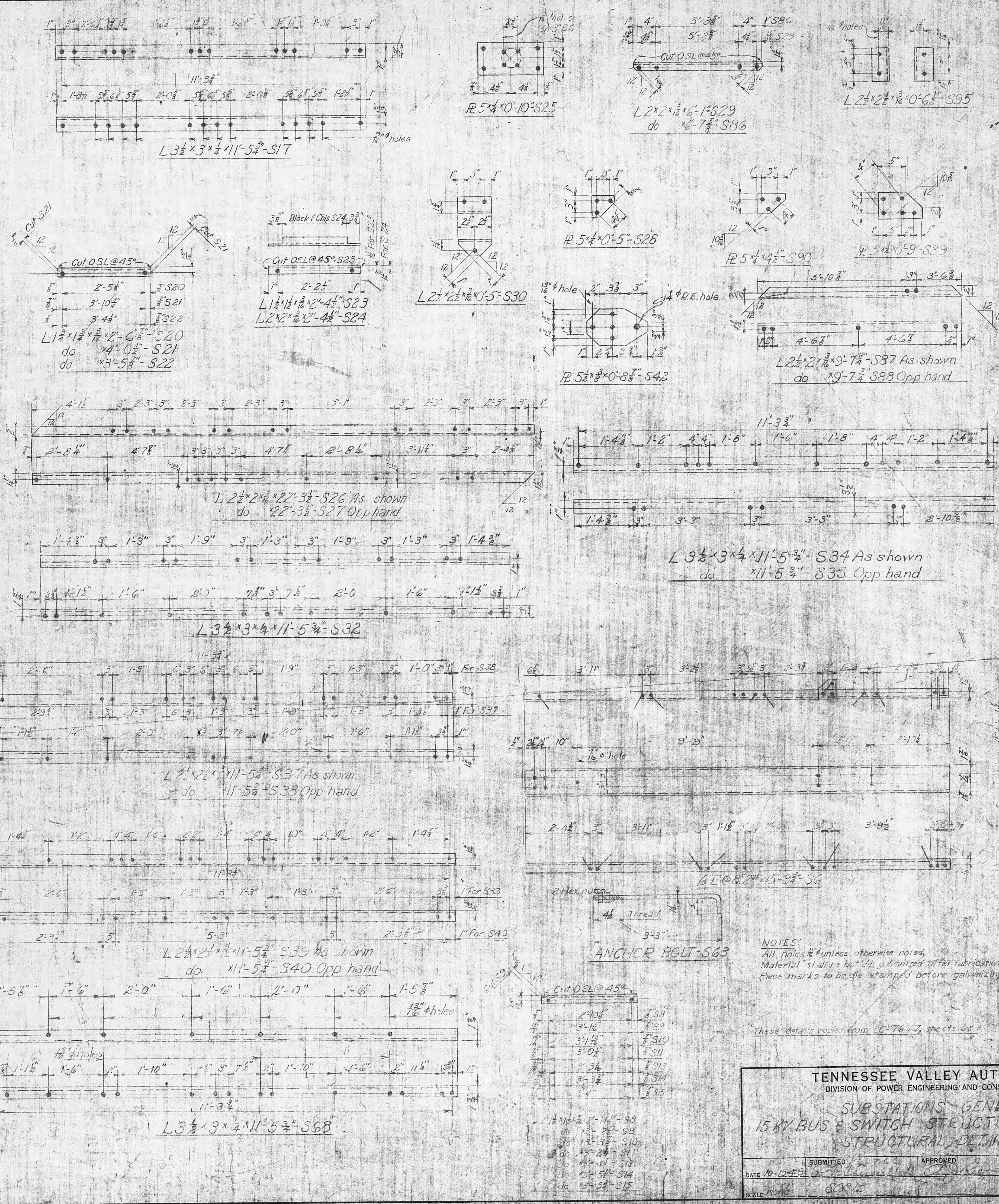
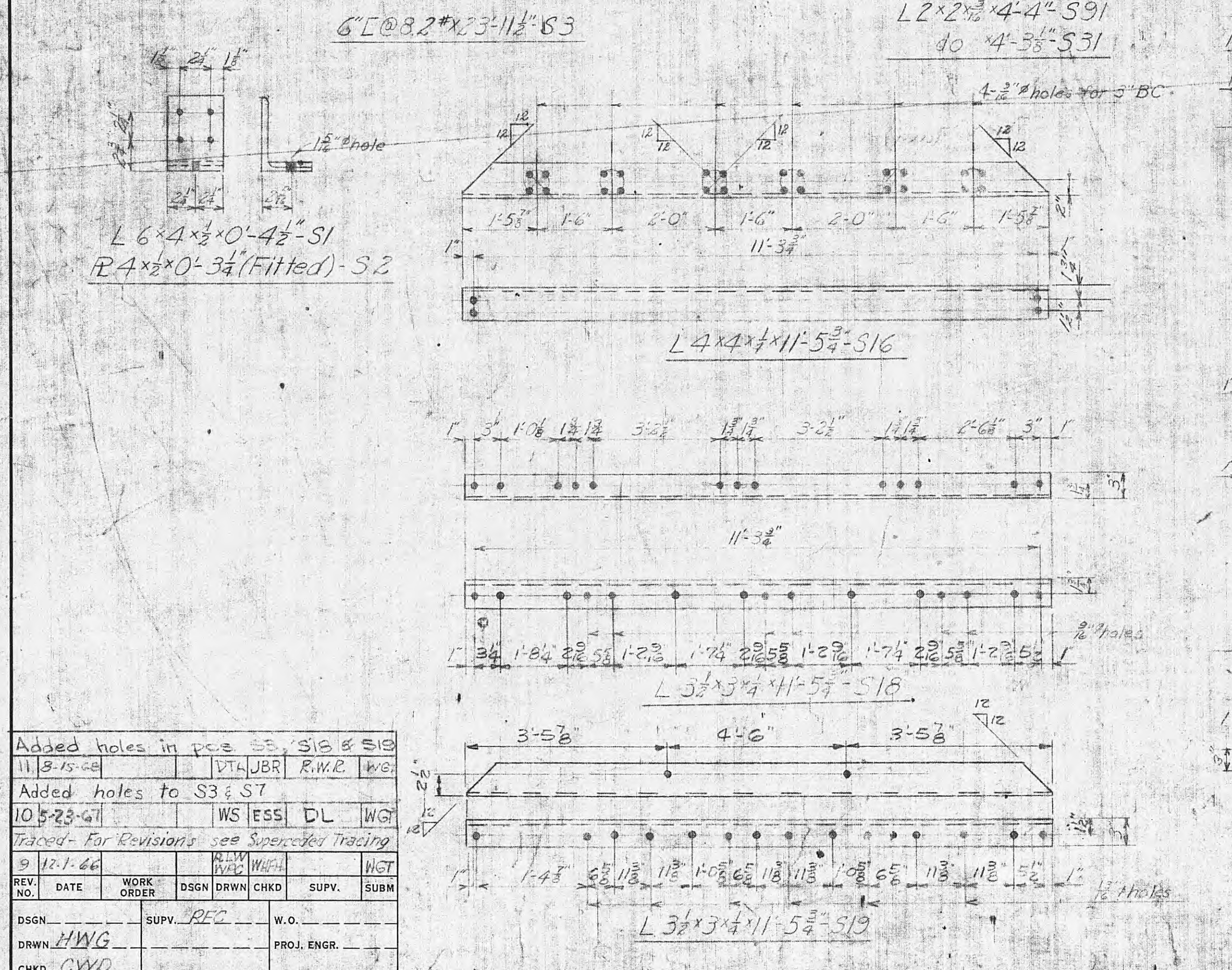
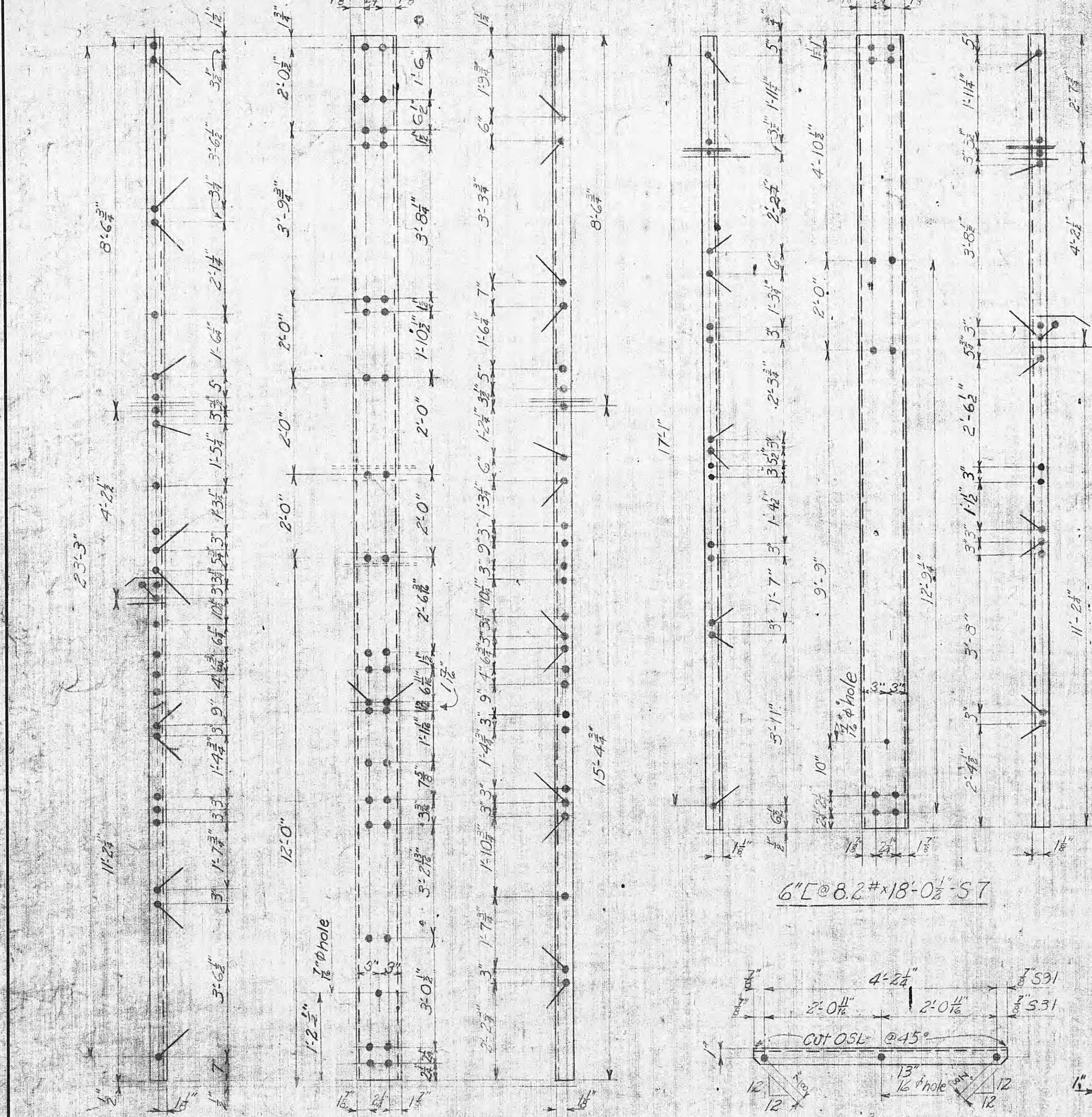
SCALE NONE

SHEET 11 OF 2 SHEETS

LC-17485

R-9

LC17485



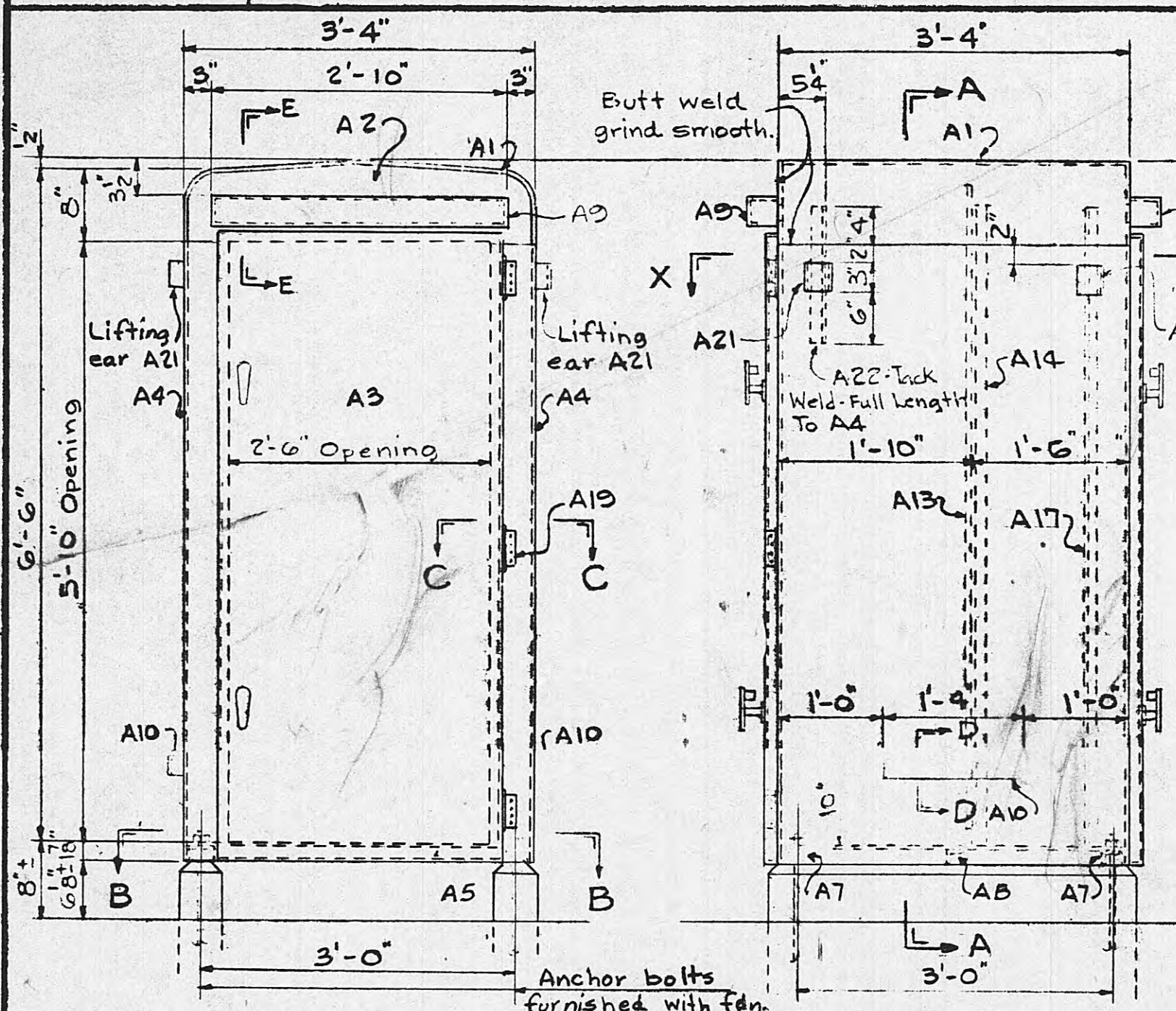
LIST OF PIECES		
MARK	REQUIRED	ONE INTERMEDIATE BAY
S1	8	4
S2	8	4
S3	4	2
S4	2	1
S5	2	1
S6	2	1
S7	2	1
S8	2	1
S9	2	1
S10	2	1
S11	2	1
S12	2	1
S13	2	1
S14	2	1
S15	2	1
S16	2	1
S17	2	1
S18	2	1
S19	2	1
S20	2	1
S21	2	1
S22	2	1
S23	2	1
S24	2	1
S25	2	1
S26	2	1
S27	2	1
S28	2	1
S29	2	1
S30	2	1
S31	2	1
S32	2	1
S33	2	1
S34	2	1
S35	2	1
S36	2	1
S37	2	1
S38	2	1
S39	2	1
S40	2	1
S41	2	1
S42	2	1
S43	2	1
S44	2	1
S45	2	1
S46	2	1
S47	2	1
S48	2	1
S49	2	1
S50	2	1
S51	2	1
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S65	2	1
S66	2	1
S67	2	1
S68	2	1
S69	2	1
S70	2	1
S71	2	1
S72	2	1
S73	2	1
S74	2	1
S75	2	1
S76	2	1
S77	2	1
S78	2	1
S79	2	1
S80	2	1
S81	2	1
S82	2	1
S83	2	1
S84	2	1
S85	2	1
S86	2	1
S87	2	1
S88	2	1
S89	2	1
S90	2	1
S91	2	1
S92	2	1
S93	2	1
S94	2	1
S95	2	1
S96	2	1
S97	2	1
S98	2	1
S99	2	1
S100	2	1

NOTES:
All holes 1/2" unless otherwise noted.
Material shall be hot dip galvanized after fabrication.
Fire marks to be die stamped before galvanizing.

These details copied from LC-76-17, sheets 66.

TENNESSEE VALLEY AUTHORITY DIVISION OF POWER ENGINEERING AND CONSTRUCTION			
SUBSTATIONS - GENERAL 15KV BUS & SWITCH STRUCTURE TYPE "B" STRUCTURAL DETAILS			
DATE: 10-12-61	SUBMITTED: [Signature]	APPROVED: [Signature]	SHEET 2 OF 2 SHEETS
SCALE: N/A	CHKD: CWVO	LC17485	

Added holes in p.c.s. S1, S10 & S19	Added holes to S3 & S7
10-15-61	10-15-61
Traced - For Revisions see Superimposed Tracing	
9-12-61	9-12-61
REV. NO.	DATE
WORK ORDER	DSGN
DRWN	CHKD
SUPV.	SUBM
W.O.	
PROJ. ENGR.	

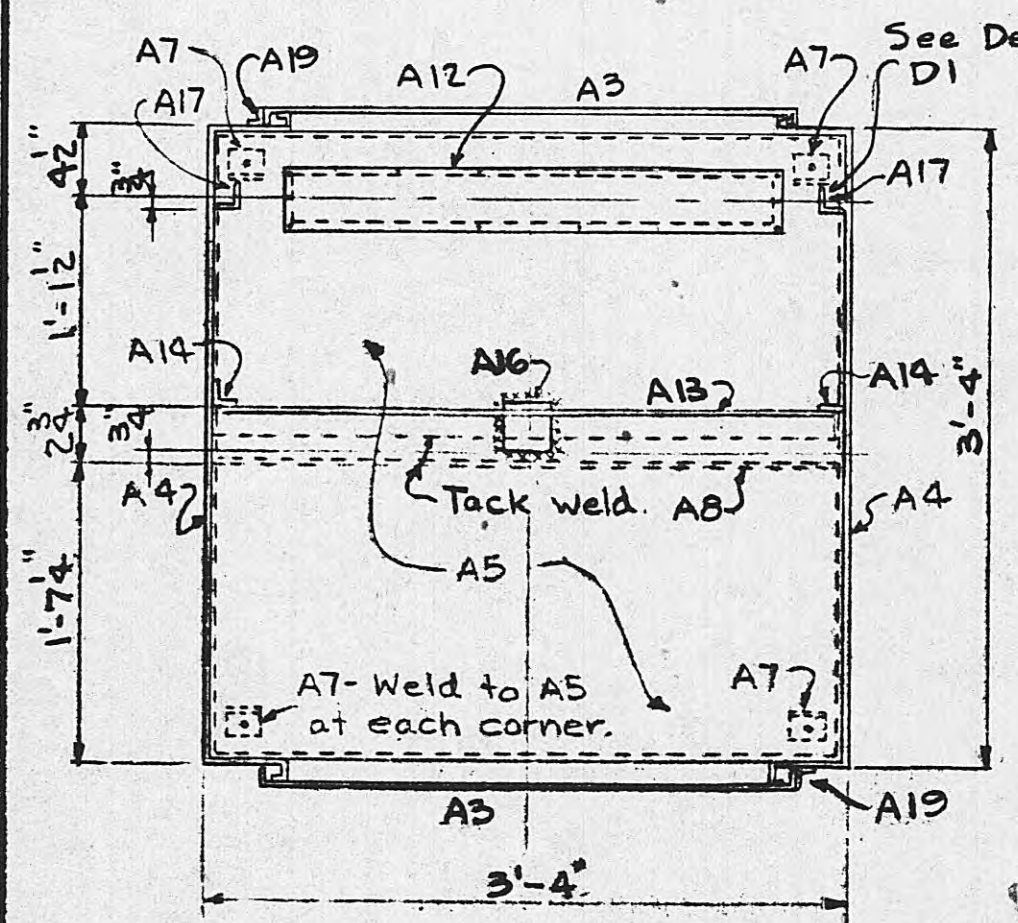


FRONT & REAR ELEVATION

SIDE

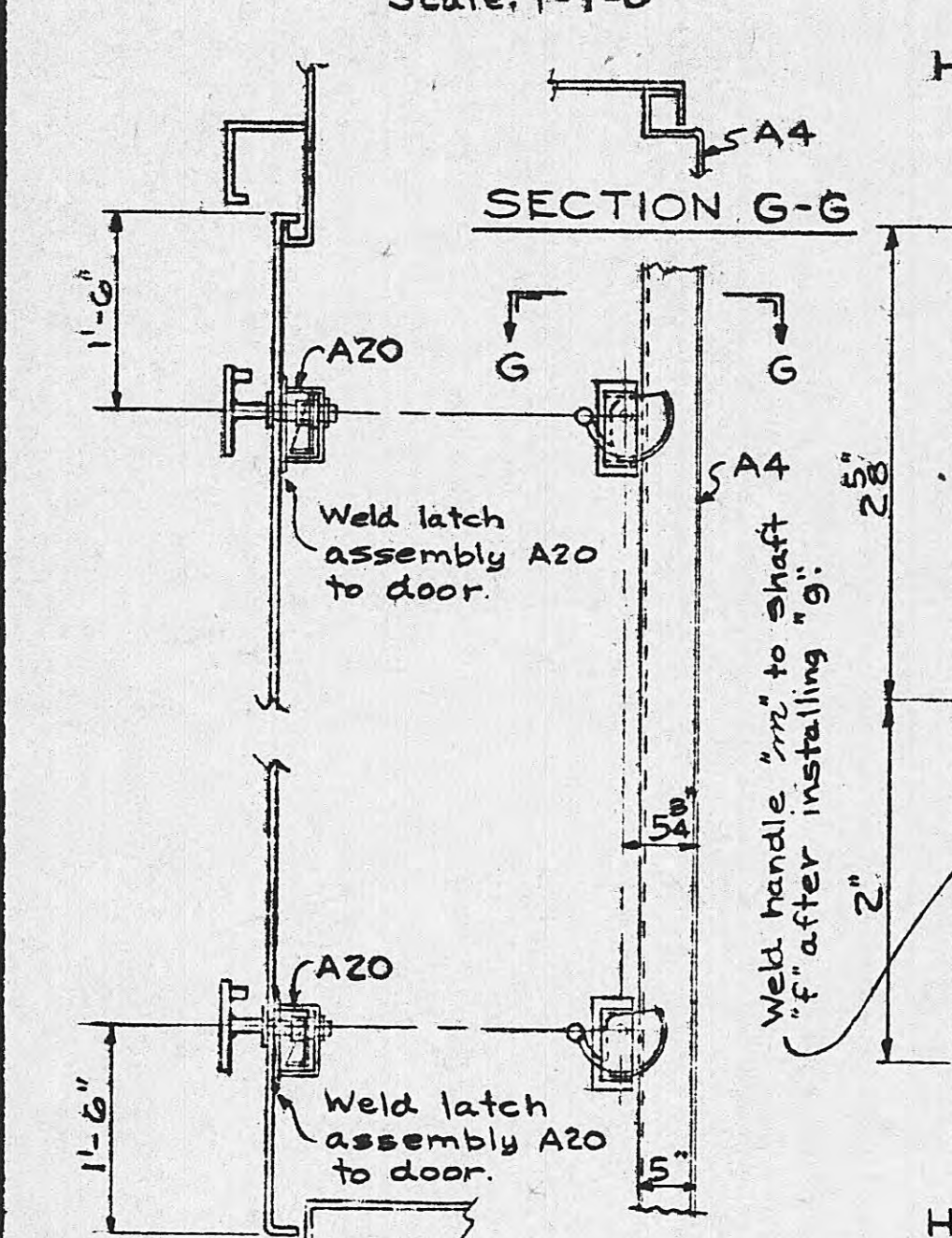
SECTION A-A

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



SECTION B-B

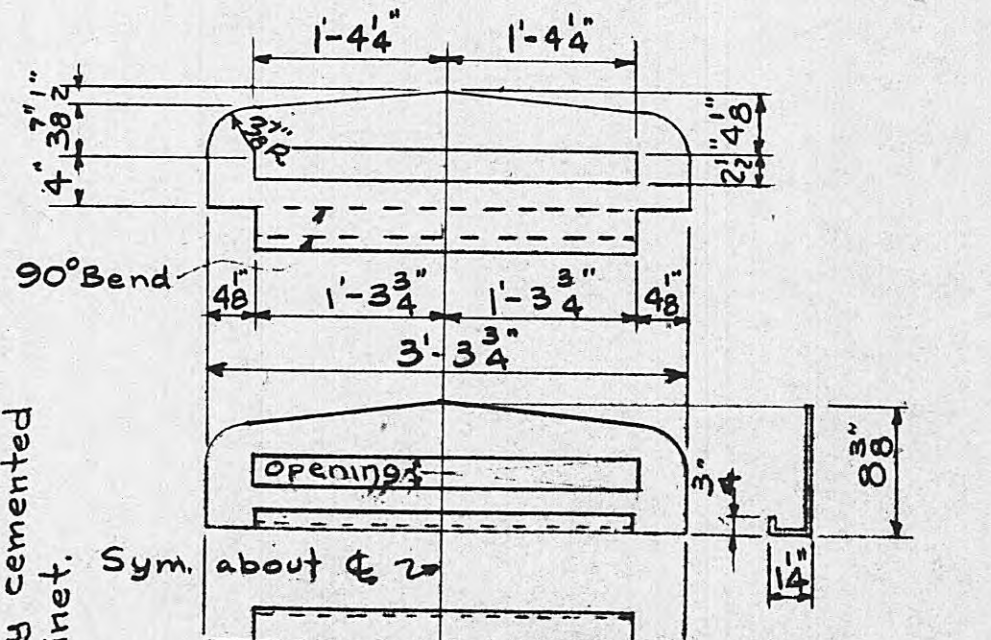
TYPICAL SECTION D-D



DOOR LATCH ASSEMBLY

Added Lifting ears. Total Wt. was 550#
2 4-1-34
Revised Latch Assembly A20
1 1-31-58

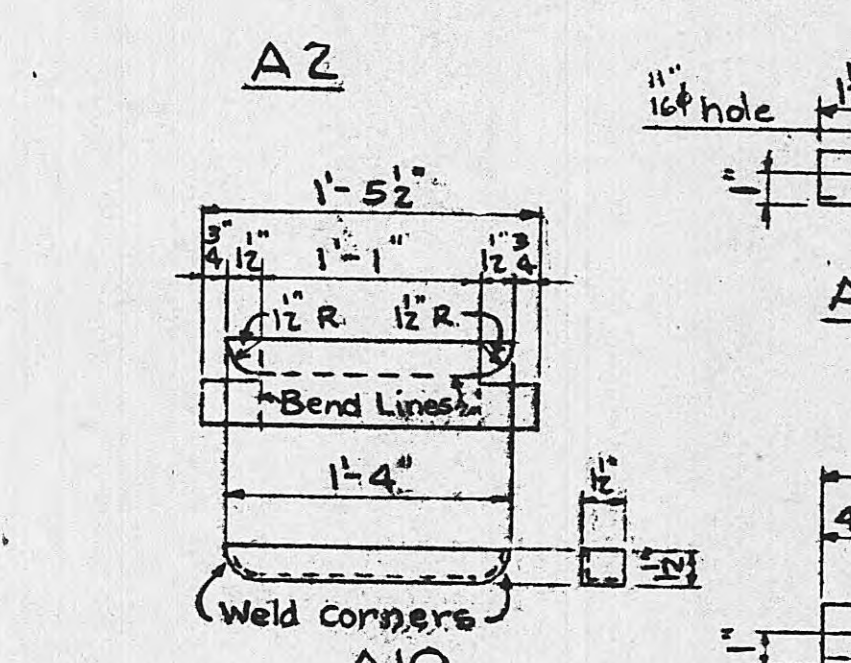
Added or revised notes for attaching screen and note on warpage.
4 3-2-70
Submitted For: A2, A13, A16 & A16
Run



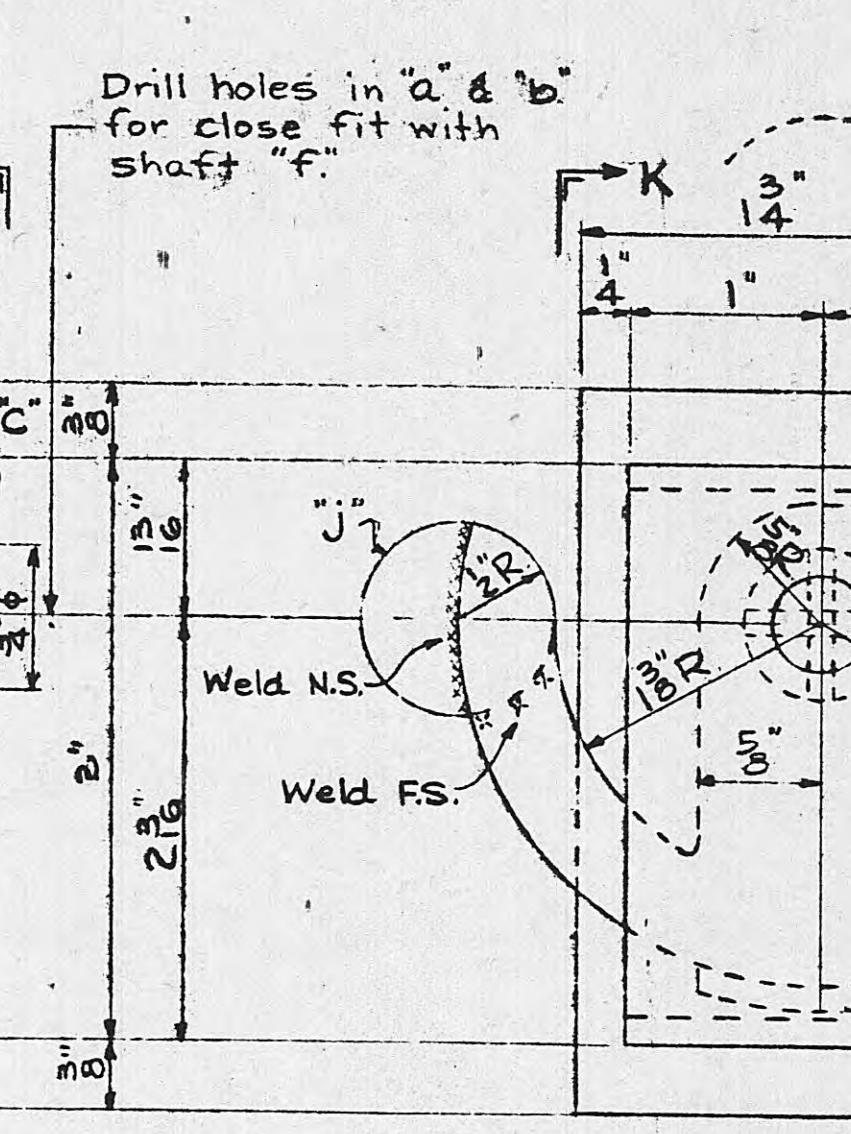
SECTION C-C

Scale: 1/2"=1'-0"

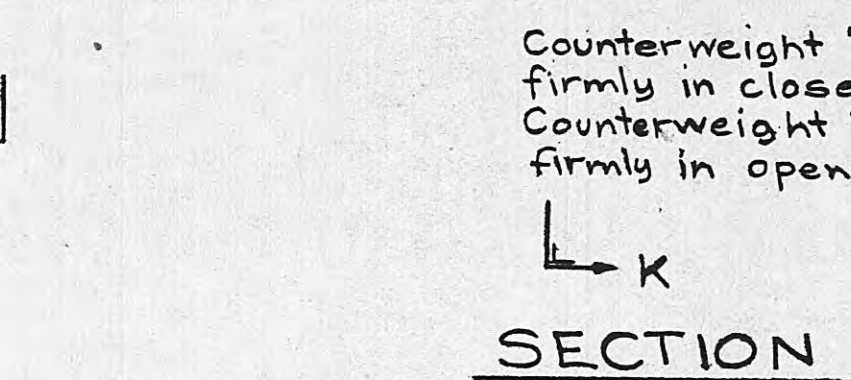
SECTION E-E



SECTION F-F



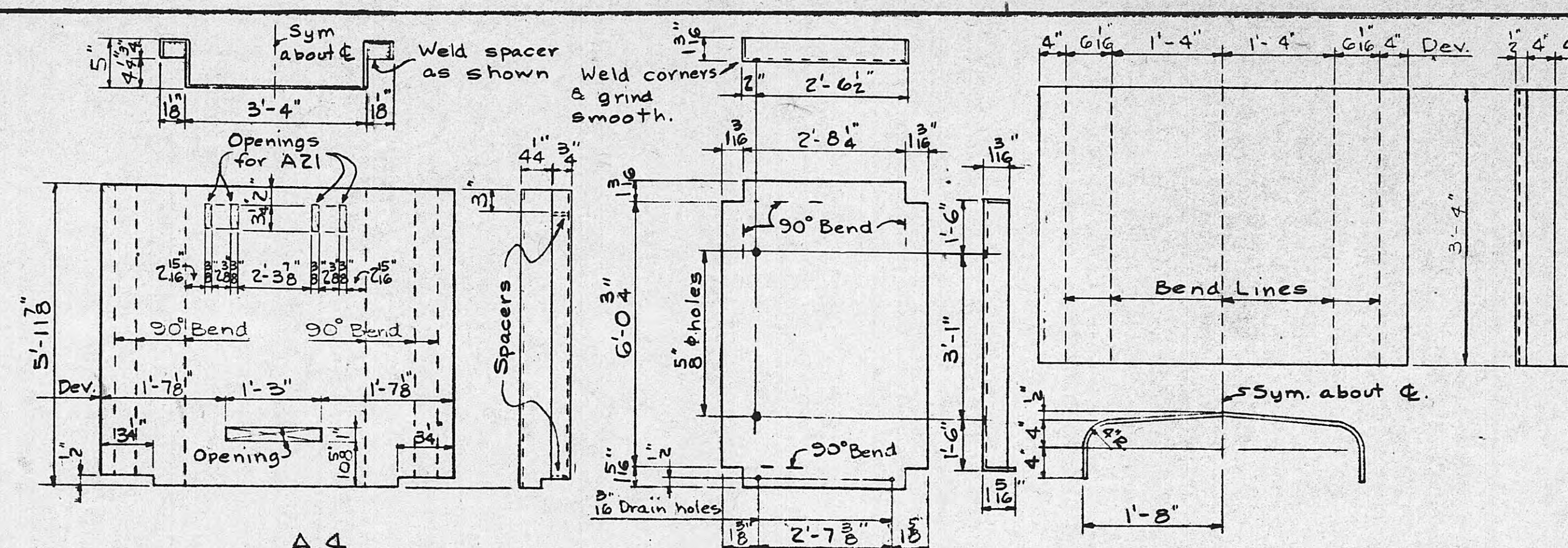
SECTION G-G



SECTION H-H

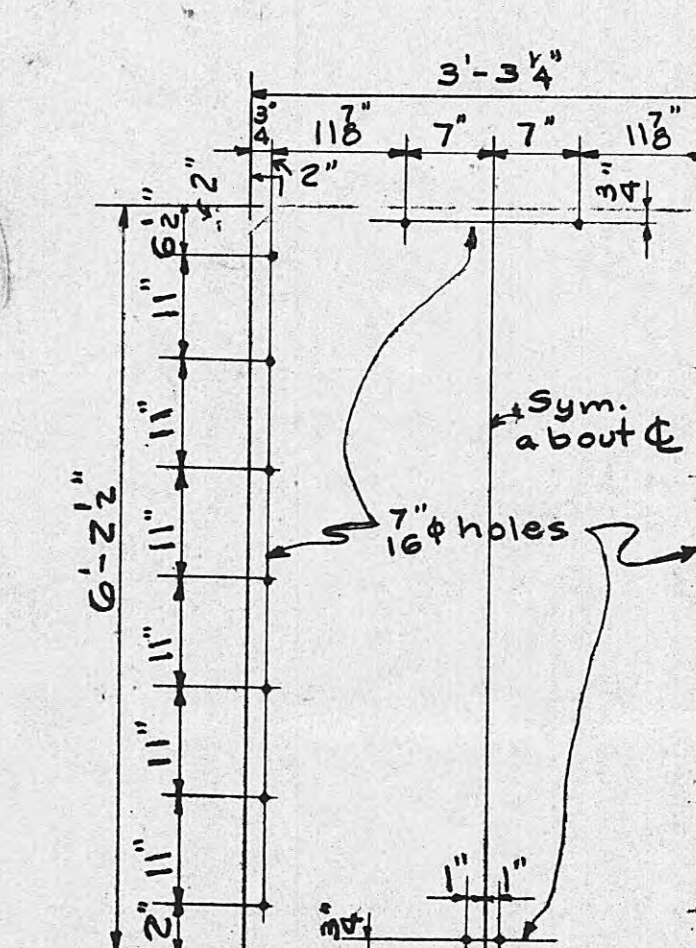
SECTION J-J

LATCH ASSEMBLY - A20

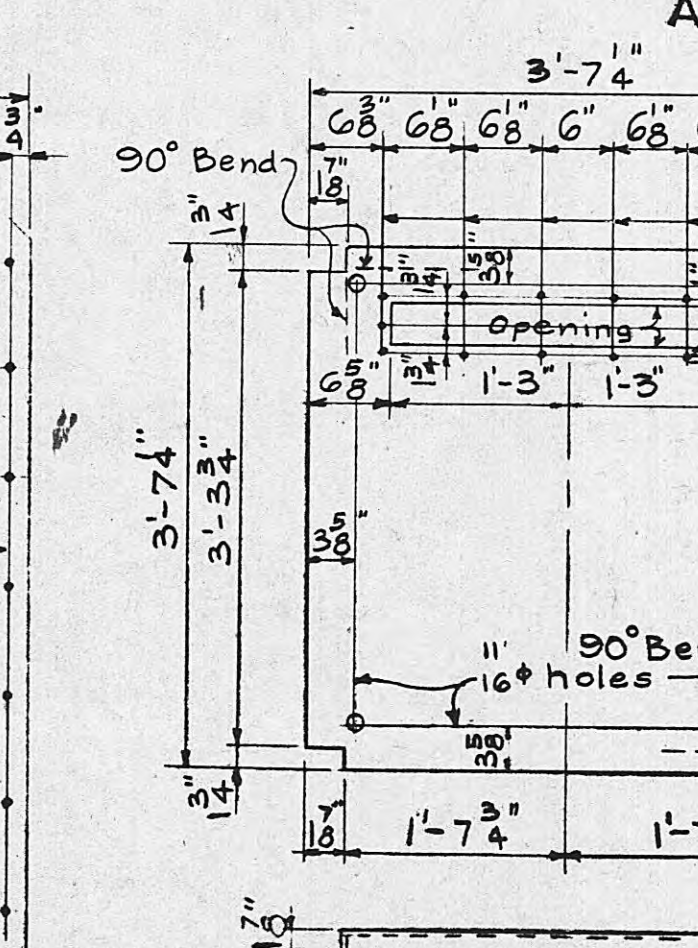


SECTION A-A

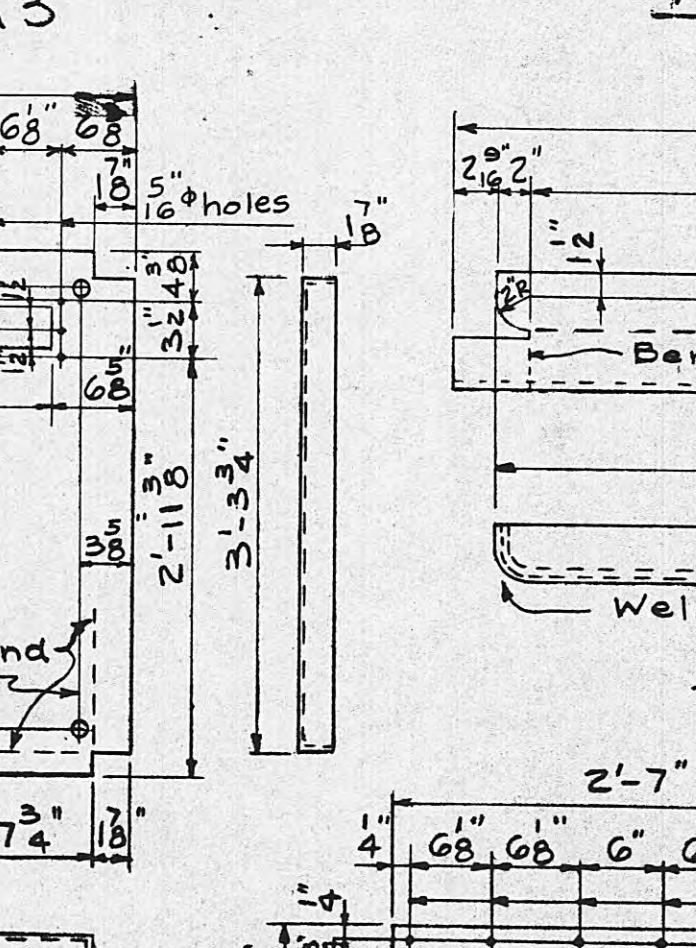
DETAIL D1



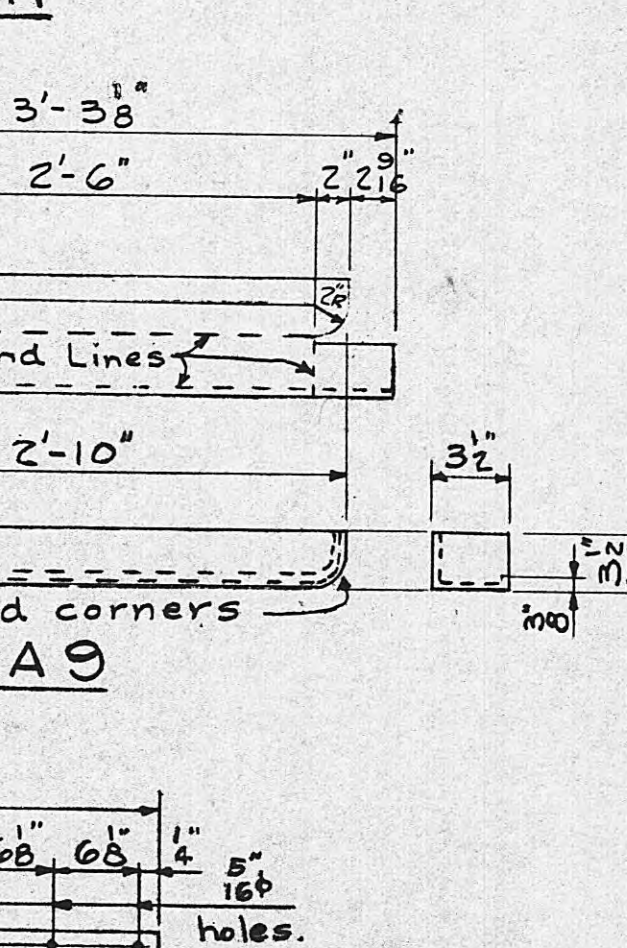
SECTION A-A



SECTION A-A



SECTION A-A



SECTION A-A

BILL OF MATERIAL				
MARK	NO. REQD	DESCRIPTION	LENGTH	WT. FT. IN. EACH
A1	1	R-40"x10ga.	4 4/8	82
A2	2	R-10"x10ga.	3 3/4	16
A3	2	R-34 1/2"x10ga.	6 3/4	102
A4	2	R-53 1/4"x10ga.	5 11/8	149
A5	1	R-43 1/4"x10ga.	3 7/4	73
A6	2	Bent R 2"x10	0 4/2	1
A7	4	L-1 1/2"x1 3/4"x 3/16	0 3	1
A8	1	L- Do.	3 3/2	7
A9	2	R-7 1/2"x10ga.	3 3/8	11
A10	2	R-2 1/2"x10ga.	1 5/2	2
A11	4	Bent R 3x4	0 8/4	2
A12	1	R-4"x10ga.	2 7	5
A13	1	R-30 1/2"x 1/8	6 2 1/2	156
A14	2	L-1 1/2"x1 1/2"x 3/16	6 2	13
A22	2	L-1 1/2"x1 1/2"x 3/16	1 3	2
A16	1	Bent R-6"x 1/8	0 3	1
A17	2	L-1 1/2"x1 1/2"x 3/16	6 2	11
A18	6	Bent R 3 1/2"x10ga.	0 5 1/2	1
A19	6	4'Loose Brass Pin Type Steel		1
		Butt Hinge 4 holes each leaf		
		4x16 Mesh Bronze	6 0	1
		Screen Wire		
		Latch Assembly Consisting of:		
		1-R 1 1/2"x10ga. (a) Welded	0 3 1/2	
		1-R 1 1/2"x10ga. (b)	0 6 3/4	
		1-R 2 1/2"x10ga. (c)	0 3 1/2	
		1-R 3 1/2"x10ga. (d) Welded	0 4 1/2	
A20	4	1-Sleeve, 3/4" O.D. (e)	0 1 1/2	2
		1-Bar-2 1/2" - (f)	0 4 1/2	
		1-Wash. 10D, 1/8" hole x 1/4" thick (g) - See Note		
		1-Wash. 10D, 1/8" hole (h) - See Note		
		1-Bar-1 1/2" - (j)	0 1	
		2-8" soft steel pins (k)		
		1-Bar 1-half round (p)	0 1	
		1-R 1 1/2"x 1/4" (m)	0 4 1/2	
A23	4	R-2 1/2"x 1/4"	0 3	1
14		1/4" Bolts, sq. hd., hex nut	0 1	.027
18		3/8" Bolts, sq. hd., hex nut	0 1	.072

APPROXIMATE WEIGHT: 975*

NOTES:
All joints to be welded.
Anchor bolts supplied with foundation.
Shop paint one coat of red lead.
Exercise care in assembling box to prevent excessive warpage.

REFERENCE:
Foundation Drawing. 5C-23266

Return to Engineering
Flat File Drawer 7

TENNESSEE VALLEY AUTHORITY				
DIVISION OF TRANSMISSION PLANNING AND ENGINEERING				
SUBSTATIONS GENERAL				
OUTDOOR METER CABINET 'A'				
DETAILS AND ASSEMBLY				
DATE	SUBMITTED	APPROVED	SHEET	OF SHEETS
6-4-56	AT Allom	Honaker	1	1
SCALE	CLASS CODE			
AS NOTED	SBSA			