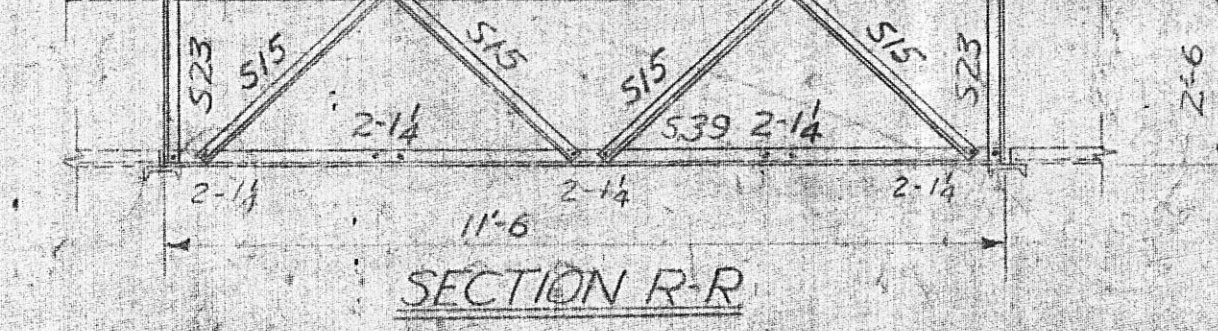
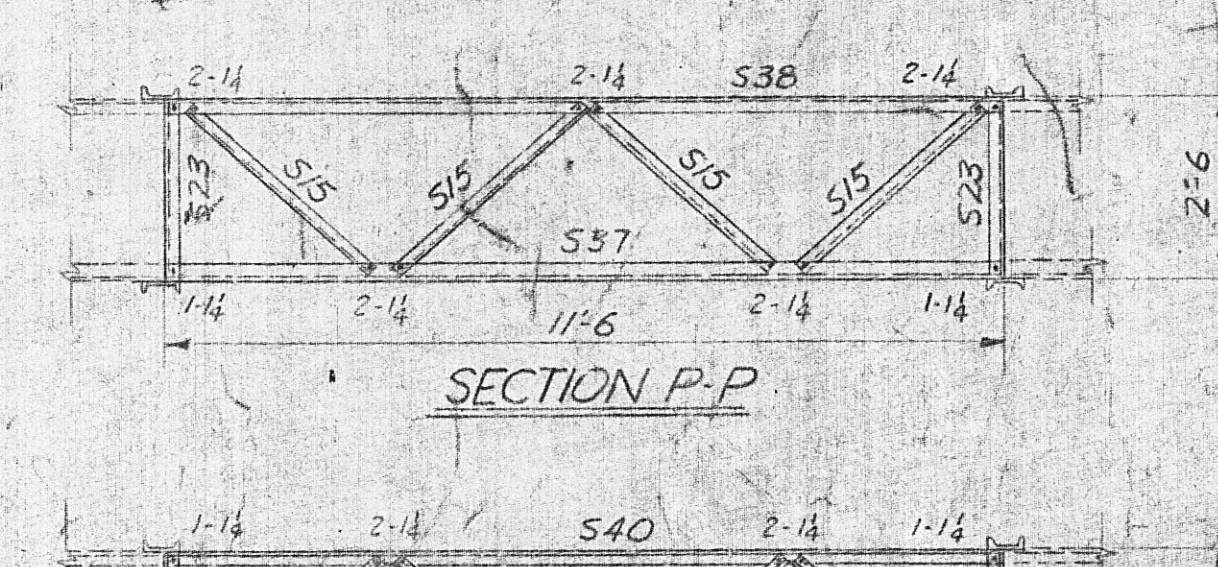
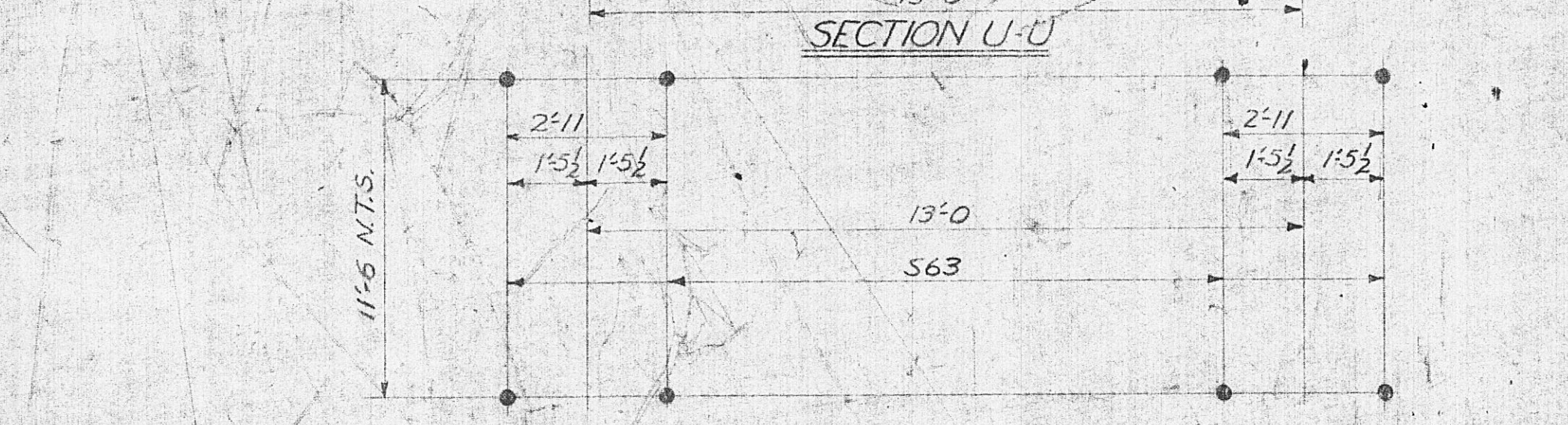
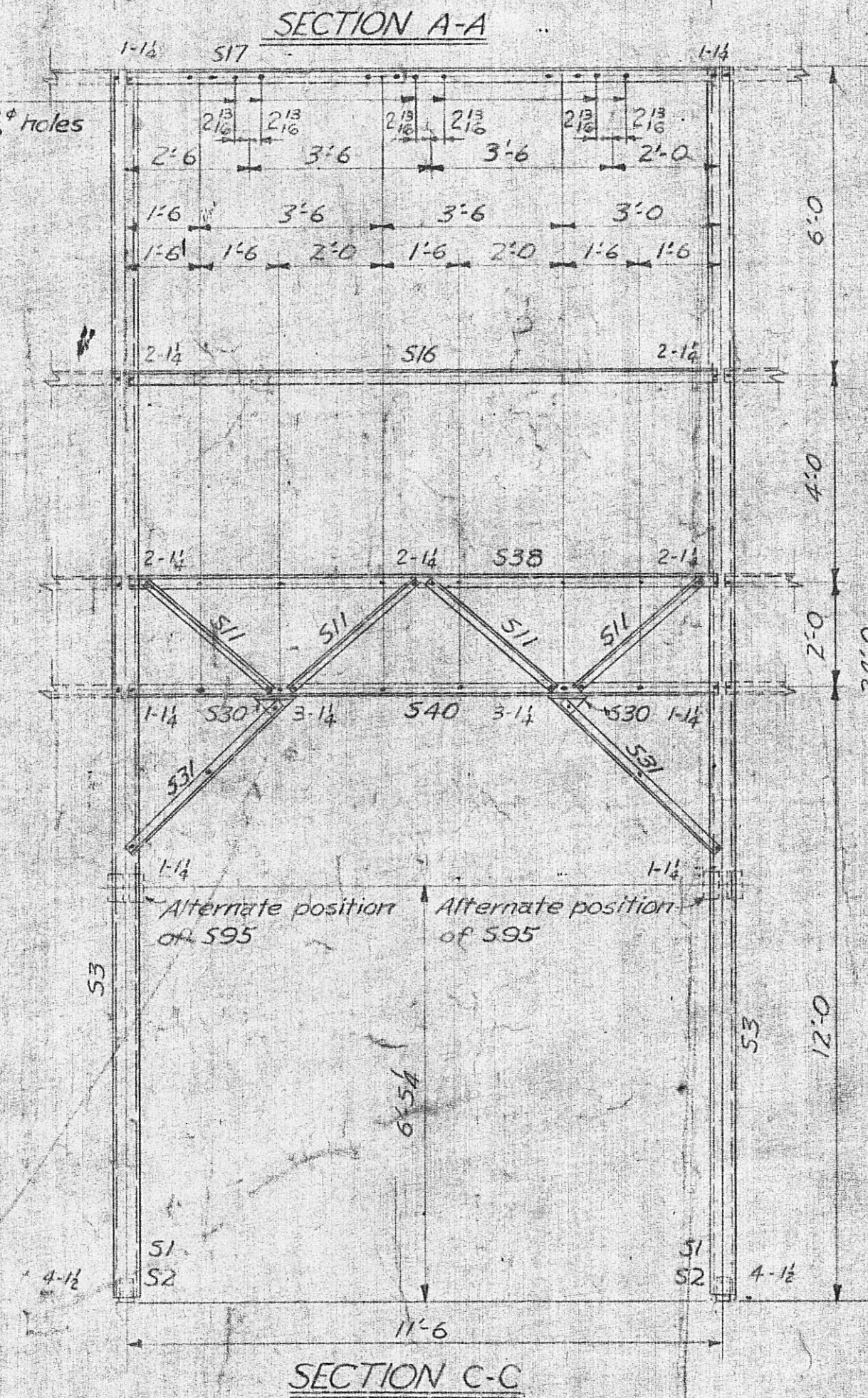
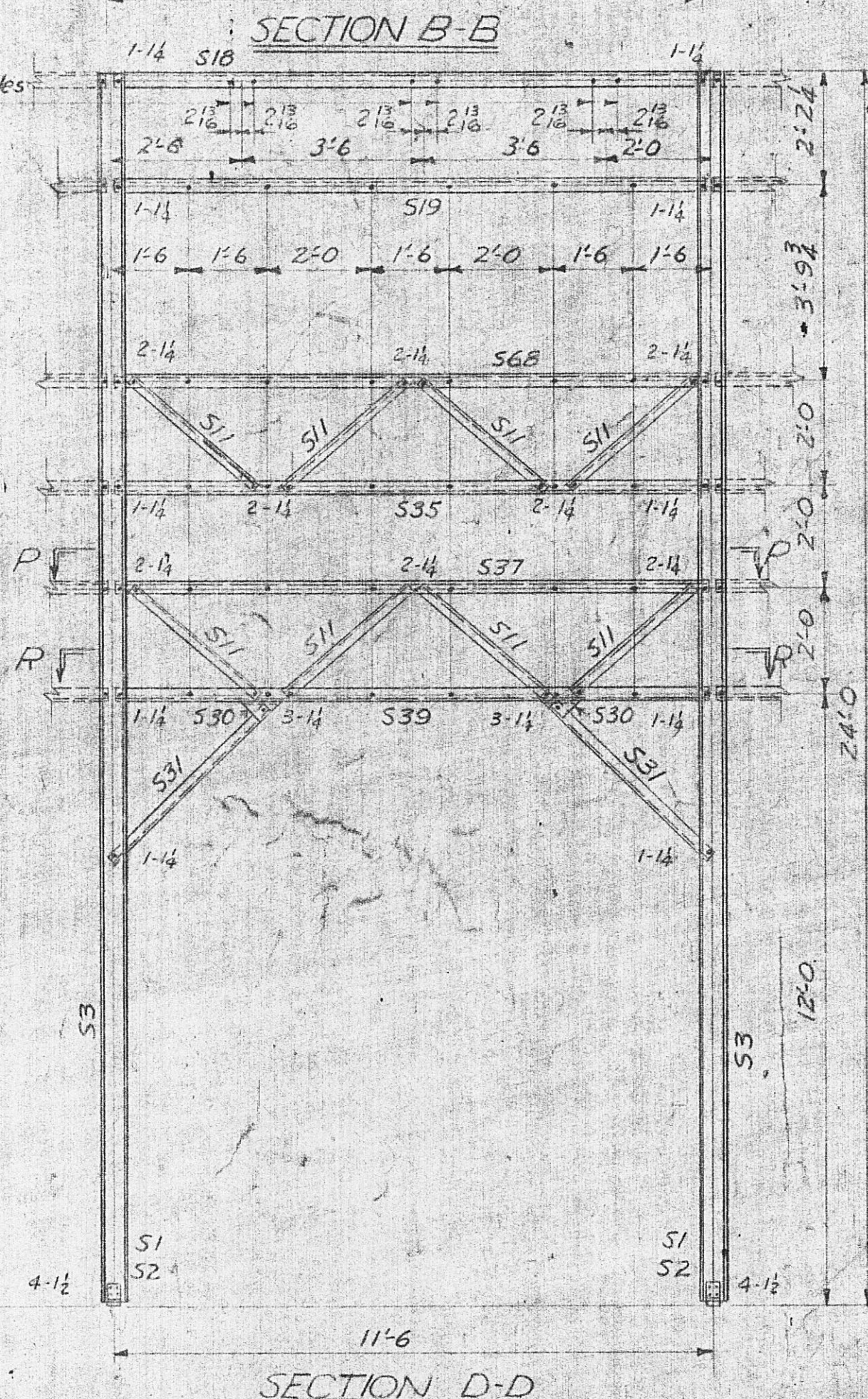
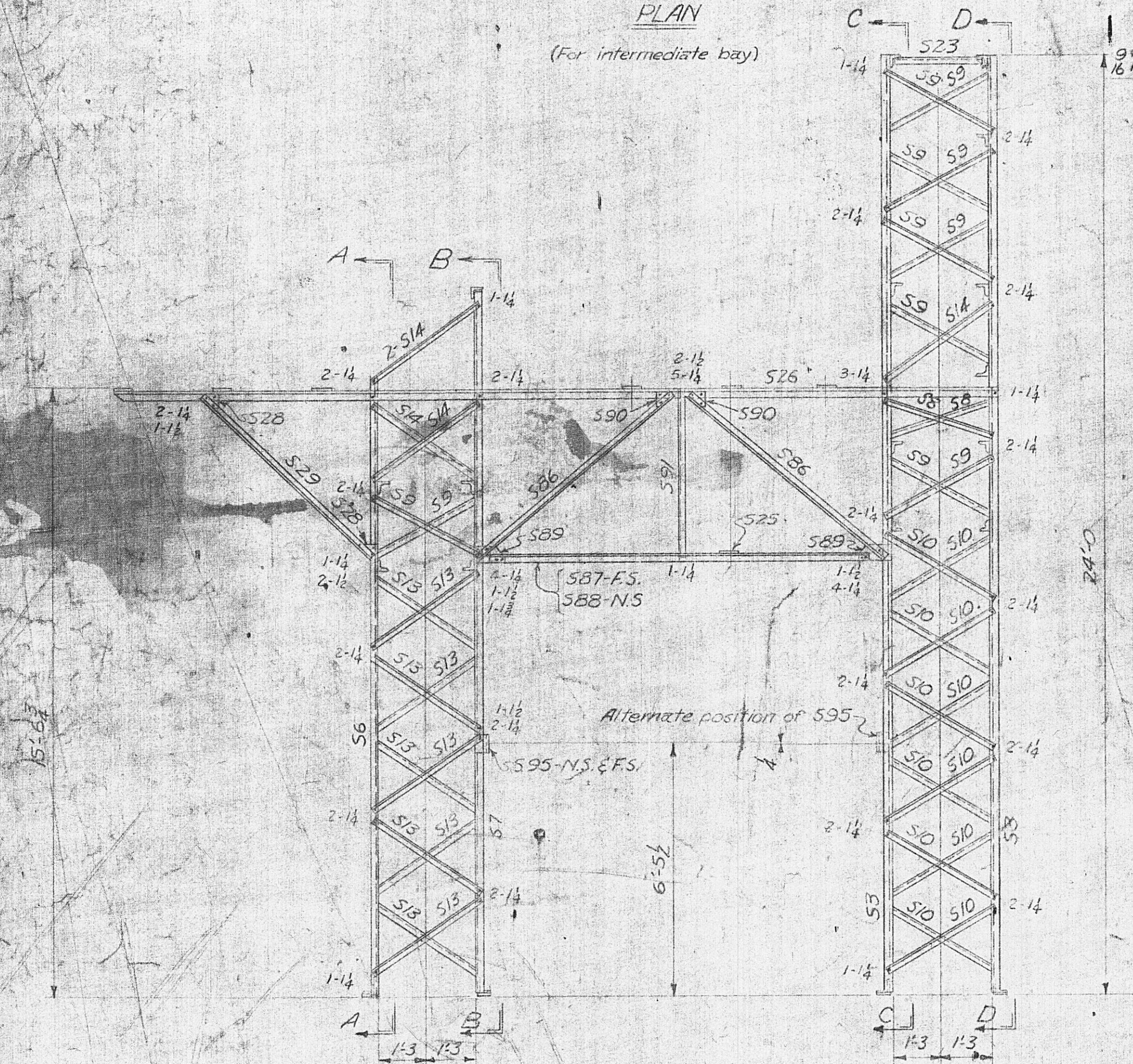
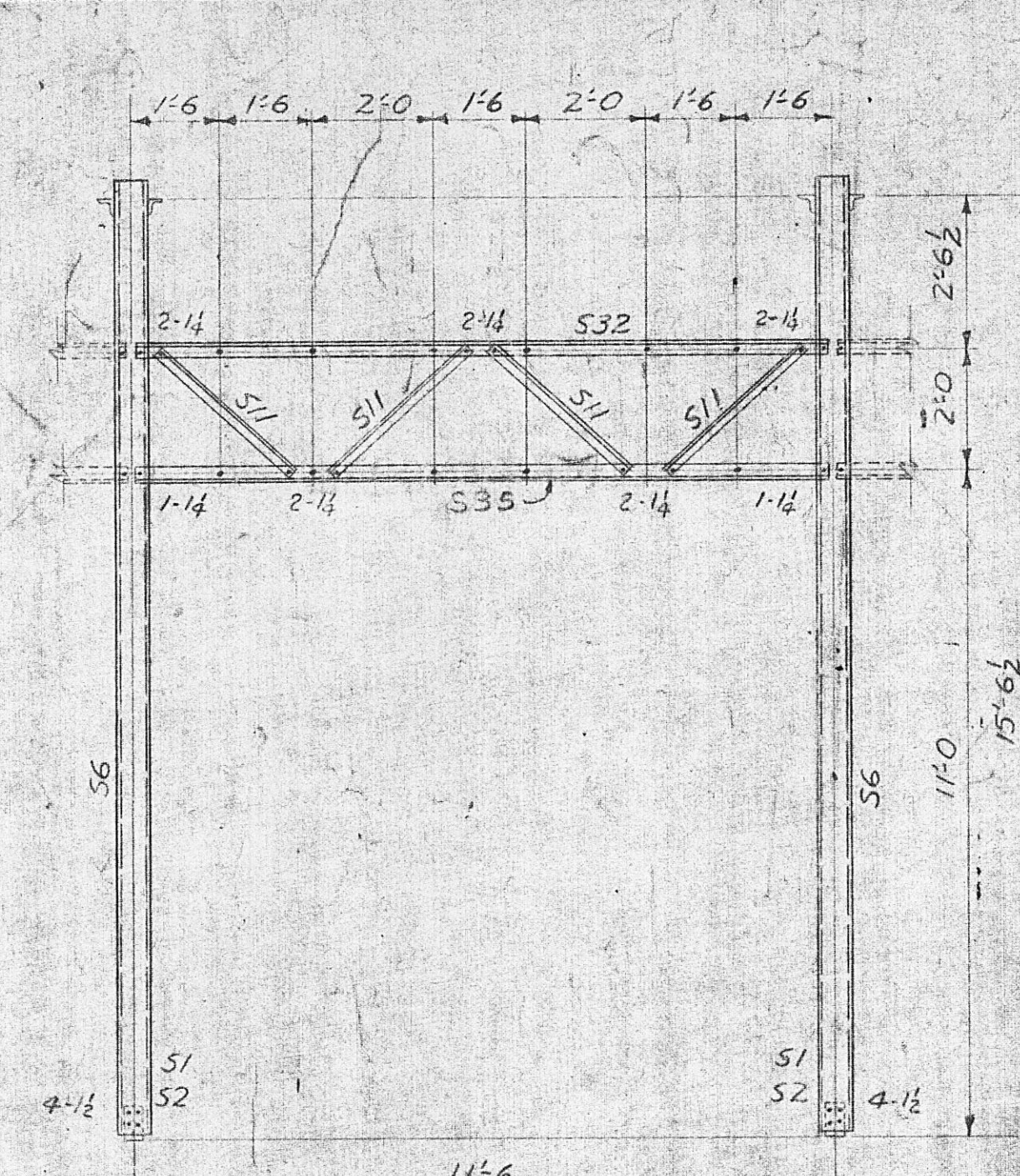
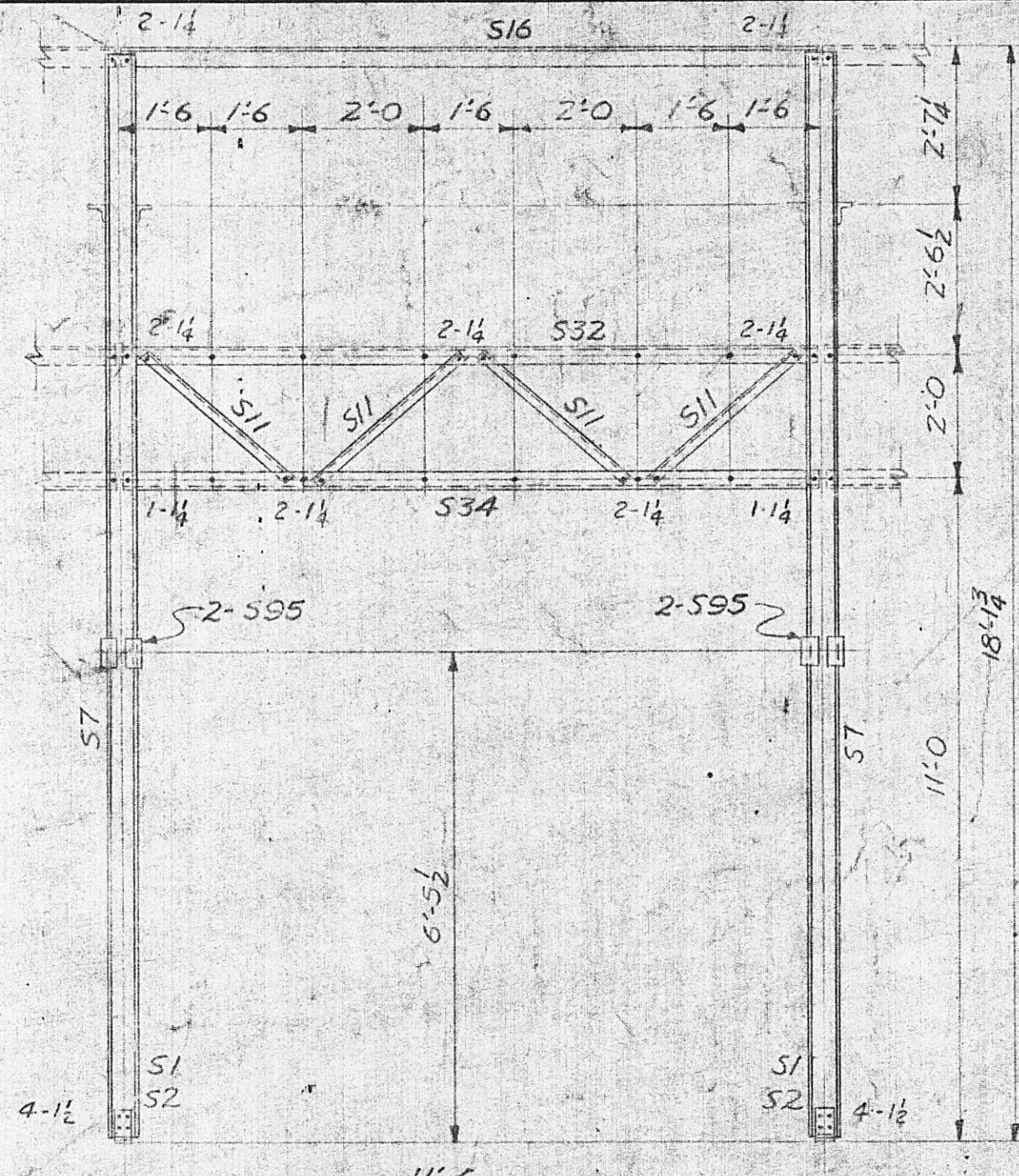
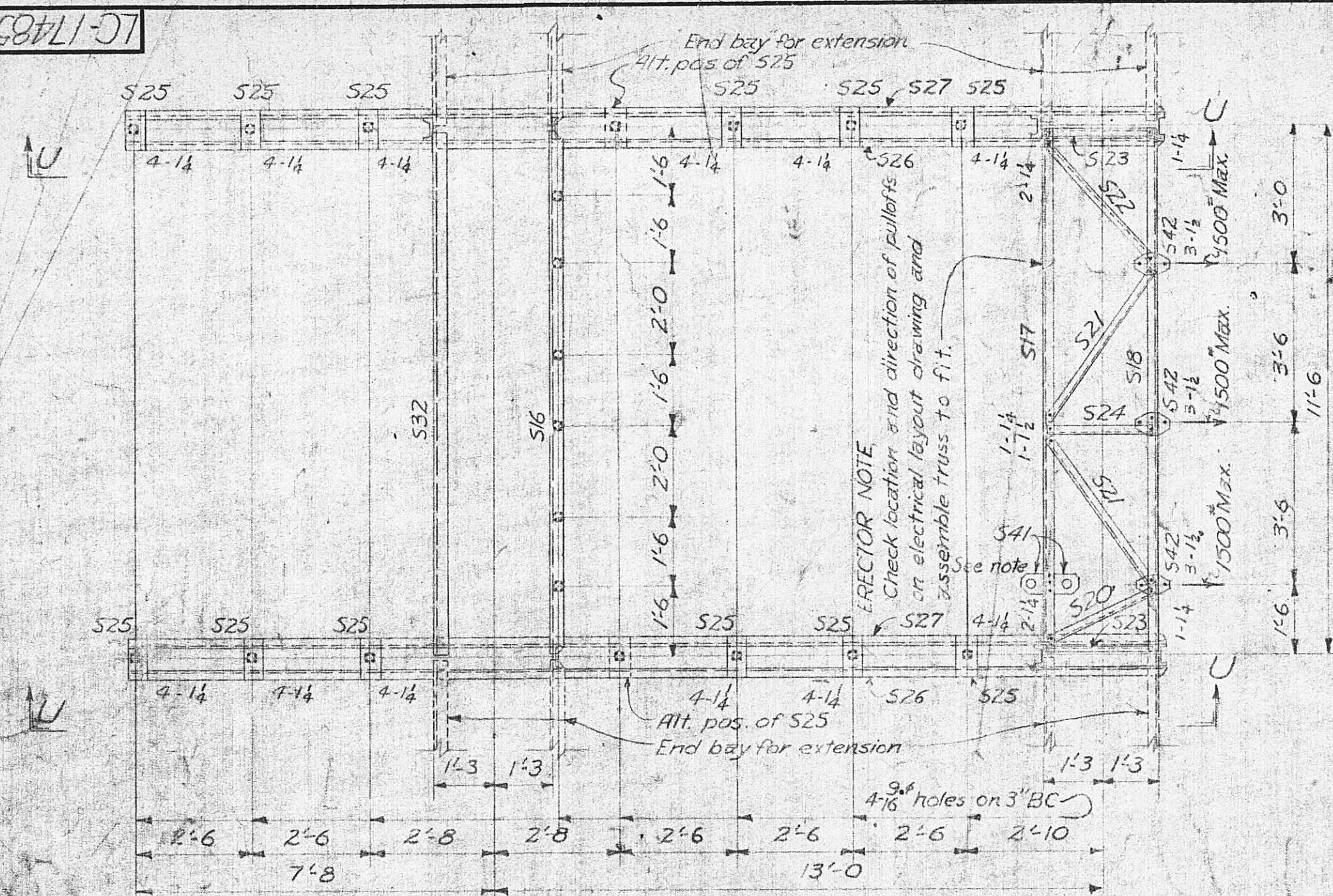


LC-17485



BILL OF MATERIAL					
MARK	QTY	NO. OF BAYS	DESCRIPTION	LENGTH	WT.
				FT.	LB.
S1	8	2	L-6X4X1/2	0	4.6
S2	8	4	Plate-4X2	0	3.2
S3	4	2	6"L-8.2"	23	11.2
S6	2	1	6"L-8.2"	15	9.2
S7	2	1	Do.	18	0.2
S8	4	2	L-13X13X1/2	2	11.2
S9	22	11	Do.	3	2.2
S10	24	12	Do.	3	3.2
S11	20	20	Do.	5	2.4
S13	20	10	L-13X13X1/2	3	4.2
S14	10	5	Do.	3	5.2
S15	8	8	Do.	3	5.2
S16	2	2	L-4X4X1/2	11	5.2
S17	1	1	L-3X3X1/2	11	5.2
S18	1	1	Do.	11	5.2
S19	1	1	Do.	11	5.2
S20	1	1	L-13X13X1/2	2	6.2
S21	2	2	Do.	4	0.2
S22	1	1	Do.	3	5.2
S23	6	6	L-16X16X1/2	2	11.2
S24	1	1	L-2X2X1/2	2	4.2
S25	14	7	Plate-5X4	0	10.2
S26	2	1	L-23X23X1/2	22	3.2
S27	2	1	Do.	22	5.2
S28	8	4	Plate-5X4	0	8.2
S29	4	2	L-2X2X1/2	6	1.2
S30	4	4	L-23X23X1/2	0	3.2
S31	4	4	L-2X2X1/2	4	3.2
S32	2	2	L-33X33X1/2	11	3.2
S34	1	1	L-33X33X1/2	11	3.2
S35	2	2	Do.	11	3.2
S37	1	1	L-23X23X1/2	11	3.2
S38	1	1	Do.	11	3.2
S39	1	1	Do.	11	3.2
S40	1	1	Do.	11	3.2
S41	3	3	Plate-5X4	0	6.2
S42	3	3	Plate-5X4	0	6.2
S63	8	4	1/4" Anchor bolts, 24" long	3	6.2
S68	1	1	L-33X33X1/2	11	3.2
S66	8	4	L-2X2X1/2	6	7.2
S67	2	1	L-23X23X1/2	3	7.2
S68	2	1	Do.	9	7.2
S69	8	4	Plate-5X4	0	9.2
S90	8	4	Do.	0	4.2
S91	4	2	L-2X2X1/2	4	4.2
S95	4	2	L-23X23X1/2	0	6.2
445	283	3"	Bolts	0	14.2
77	48	Do.		0	1.2
5	5	Do.		0	1.2
Total Weight				4035#	265#

NOTES
1" Holes unless otherwise noted.
Bolt holes as 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-19168, MC-19169
Ex'n. for Regulator LC-17713, LC-21730

Return to Engineering
Flat File Drawer 7

Revised Bolt Weights
9 Total weight inter. bay was 4100#
Total weight End Bay was 2660#
S/S 18 DTA JBR KVLG WGT

Redrawn
12-1-60 JTE PWE WGT

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

DATE 10-10-15
CLASS CODE
SCALE NONE

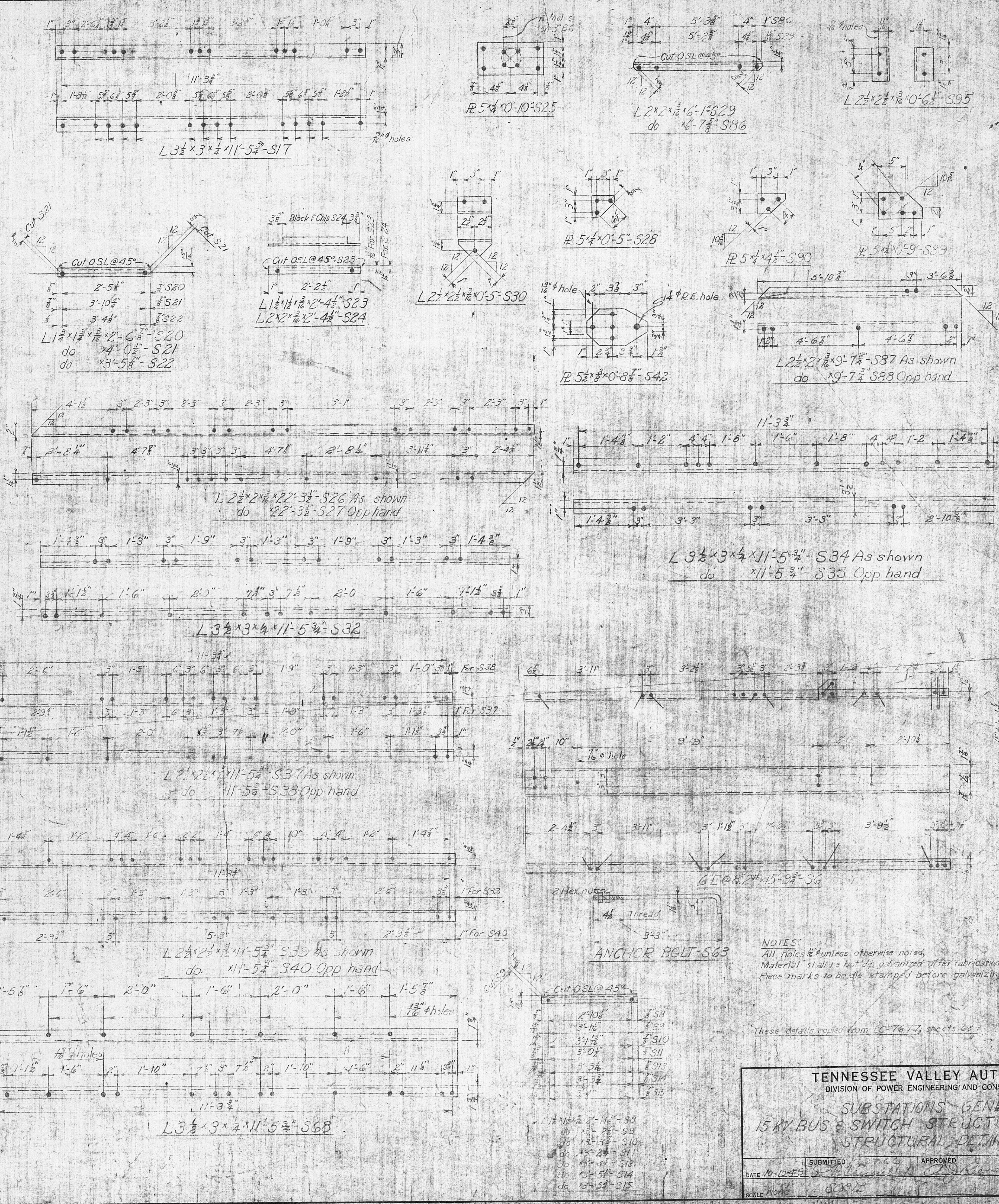
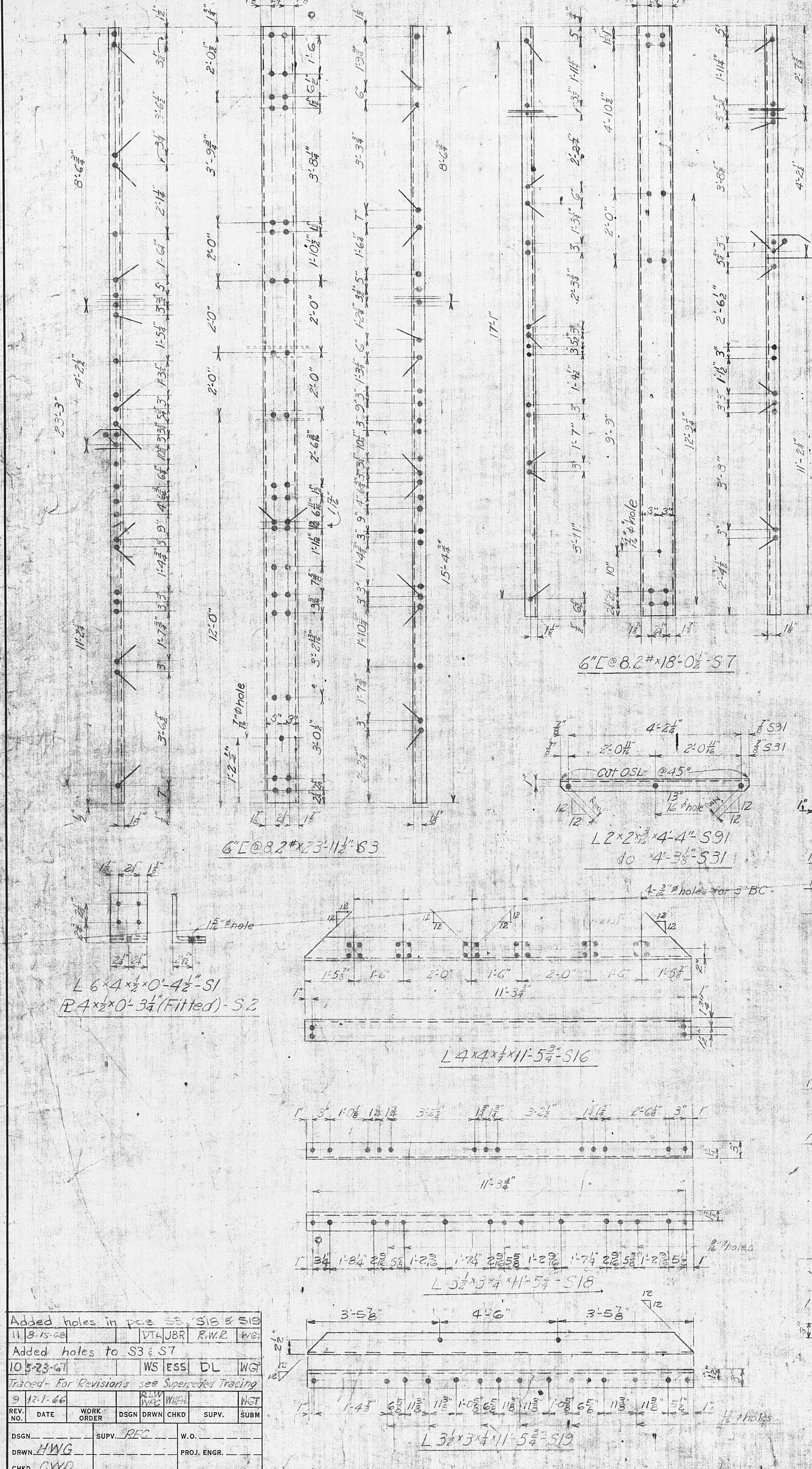
ERECTOR DIAGRAM

TENNESSEE VALLEY AUTHORITY
DIVISION OF POWER PLANNING AND ENGINEERING

SUBSTATIONS GENERAL
15 KV BUS AND SWITCH STRUCTURE
TYPE B

SHEET 11 OF 2 SHEETS
LC-17485 R-9

LC17485



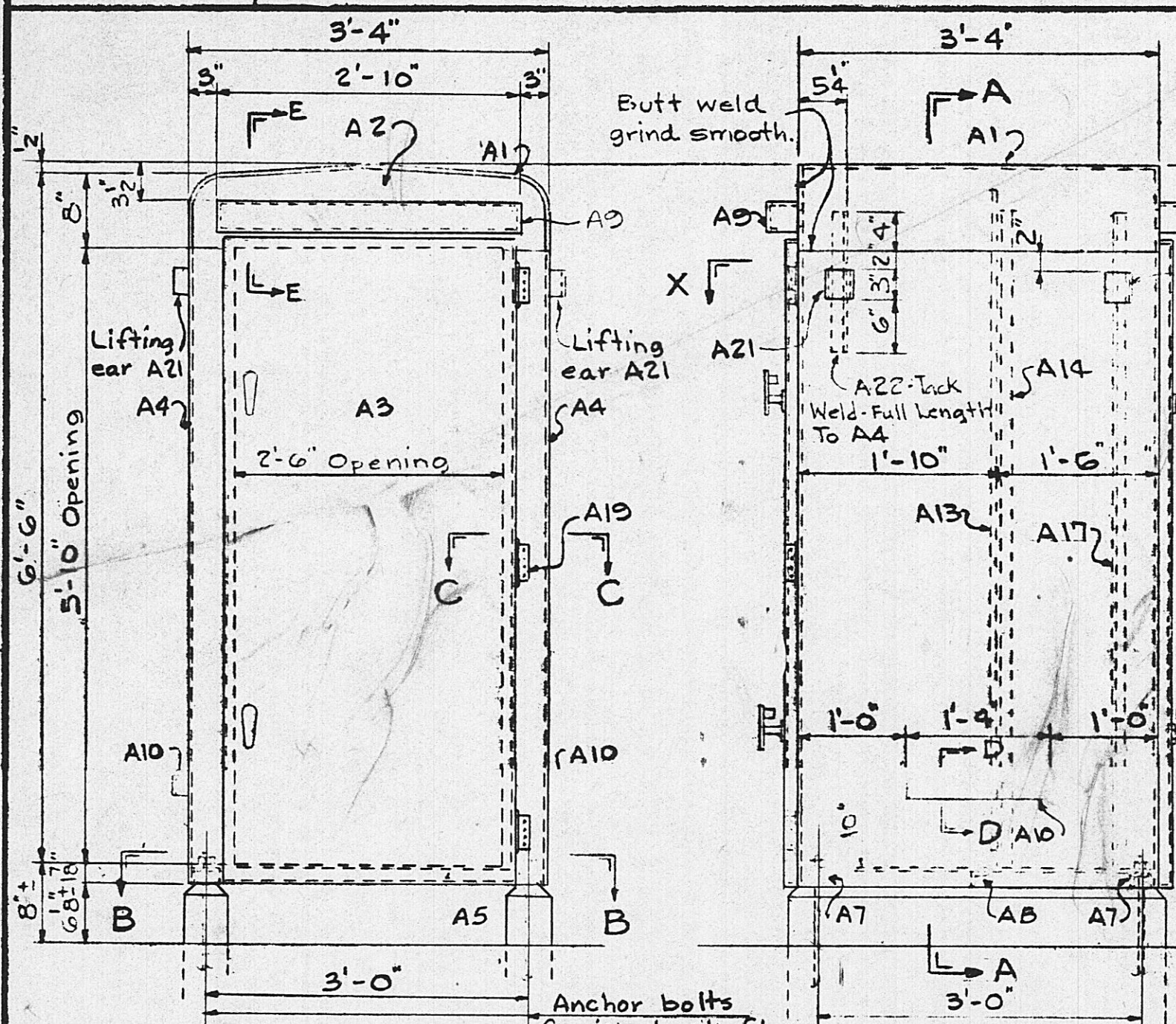
LIST OF PIECES			
MARK	REQUIRED		ONE END BAY
	ONE INTERMEDIATE BAY	ONE END BAY	
S1	8	4	
S2	8	4	
S3	4	2	
S4	2	1	
S5	2	1	
S6	2	1	
S7	2	1	
S8	2	1	
S9	2	1	
S10	2	1	
S11	2	1	
S12	2	1	
S13	2	1	
S14	2	1	
S15	2	1	
S16	2	1	
S17	2	1	
S18	2	1	
S19	2	1	
S20	2	1	
S21	2	1	
S22	2	1	
S23	2	1	
S24	2	1	
S25	2	1	
S26	2	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	

NOTES:
All holes 1/2" unless otherwise noted.
Material: S1 all to be hot dip galvanized after fabrication.
Piece marks to be die stamped before galvanizing.

These details copied from LC-76-17, sheets 66-7

TENNESSEE VALLEY AUTHORITY DIVISION OF POWER ENGINEERING AND CONSTRUCTION			
SUBSTATIONS - GENERAL 15KV BUS & SWITCH STRUCTURE TYPE "B" STRUCTURAL DETAILS			
SUBMITTED DATE 10-12-51 SCALE 1/8" = 1'-0"	APPROVED DATE 10-12-51 SCALE 1/8" = 1'-0"	SHEET 2 OF 2 SHEETS LC17485	

Added holes in p.c.s. S1, S2 & S3 11.9.15.00			
Added holes to S3 & S7 10.9.23.00			
REV. NO. DATE DSGN CHKD	WORK ORDER SUPV. REC	DSGN DRWN CHKD	SUPV. SUBM W.G.
DSGN CHKD	SUPV. REC	DSGN DRWN CHKD	SUPV. SUBM W.G.



FRONT & REAR ELEVATION

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

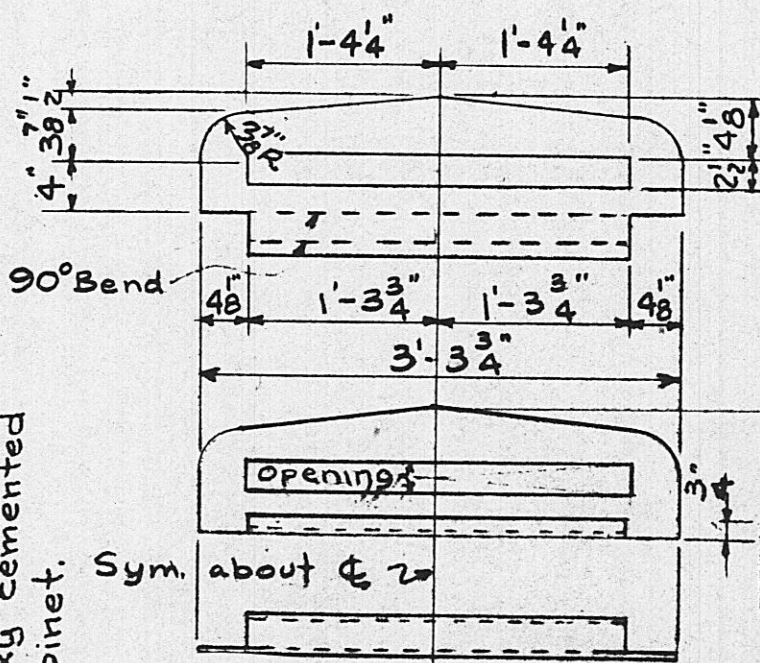
SIDE

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

SECTION A-A

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

DETAIL D1



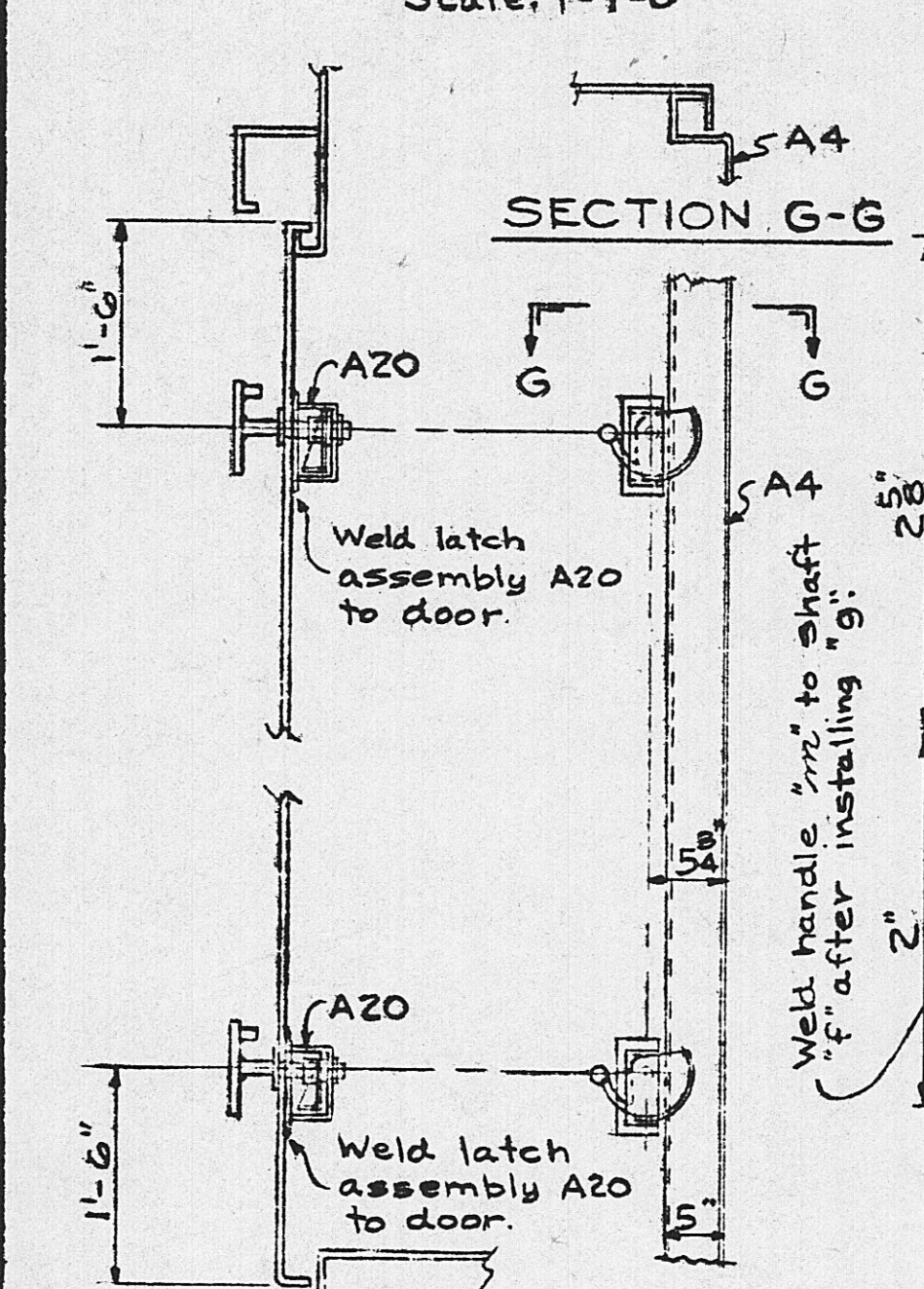
SECTION C-C

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

SECTION E-E

TYPICAL SECTION D-D

Scale: 1"=1'-0"



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

LATCH ASSEMBLY - A20

A2

A7

A6

A5

A16

A17

A12

A18

A13

A14

A15

A19

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 1/2"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 1/2	7
A9	2	R-7 1/2"x10ga.	3 3 1/2	11
A10	2	R-2 1/2"x10ga.	1 5 1/2	2
A11	4	Bent R-3x4	0 8 1/2	2
A12	1	R-4"x10ga.	2 7	5
A13	1	R-30 1/4"x 1 1/2"	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 1/2"	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		
		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"x1/2" (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" (i) (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

SECTION J-J

Scale: 1"=1'-0"

SECTION H-H

Scale: 1"=1'-0"

SECTION X-X

Scale: 1"=1'-0"

SECTION G-G

Scale: 1"=1'-0"

SECTION F-F

Scale: 1"=1'-0"

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				

LC-33843 R-4