

28.3 No PRINT

28.0

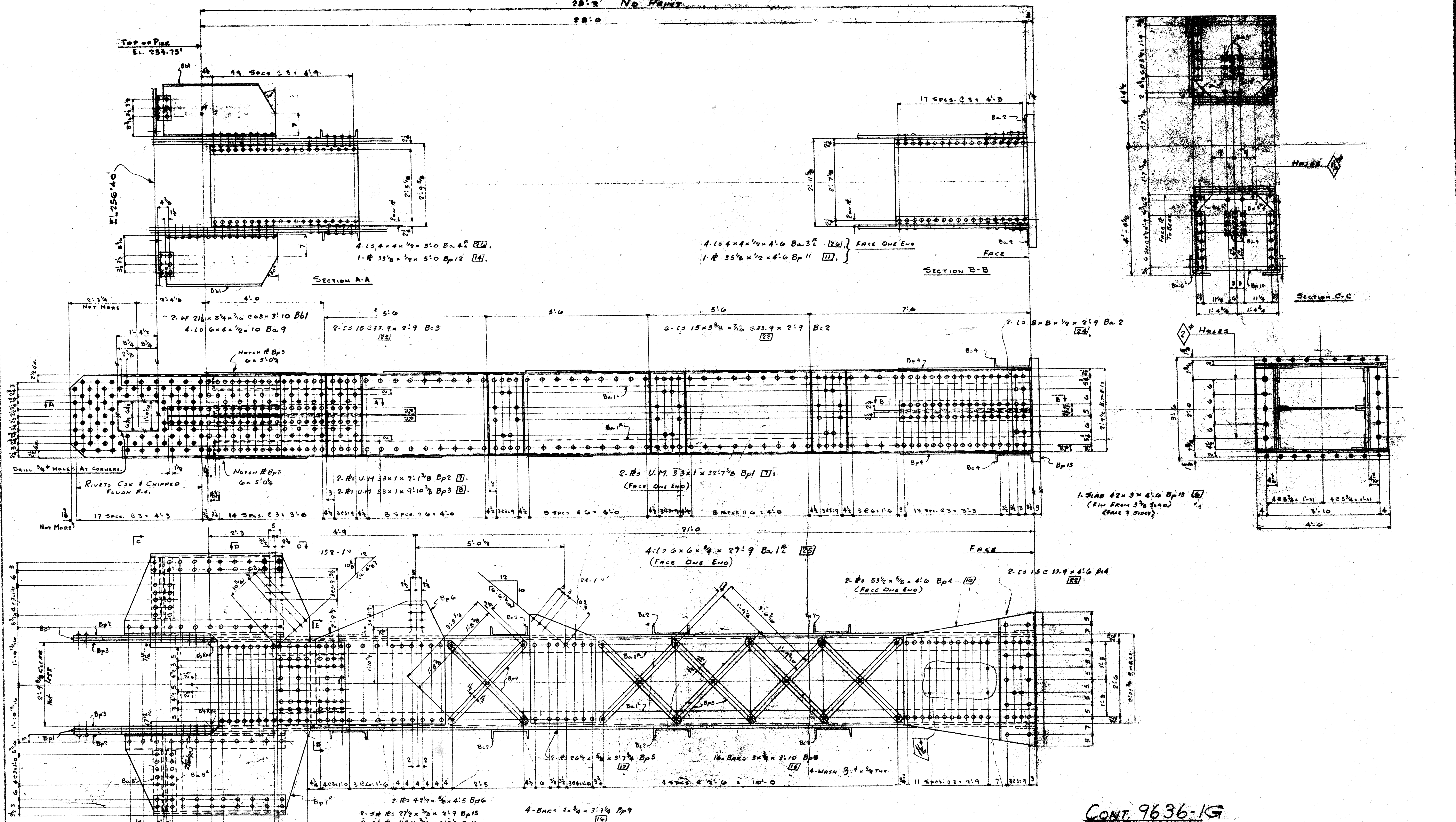
TOP OF PILE
EL. 254.75'

EL 256.40

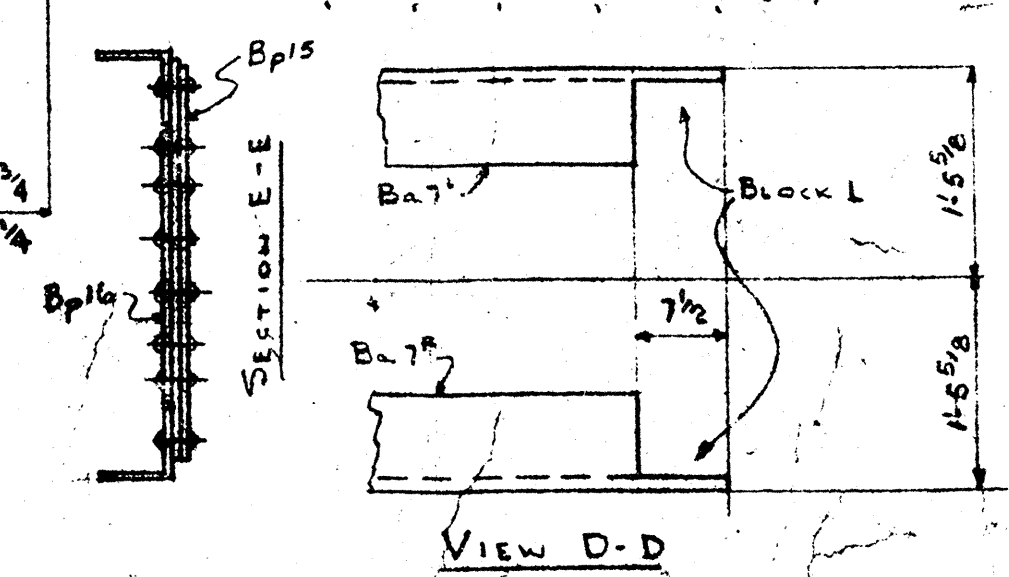
SECTION A-A

SECTION B-B

SECTION C-C



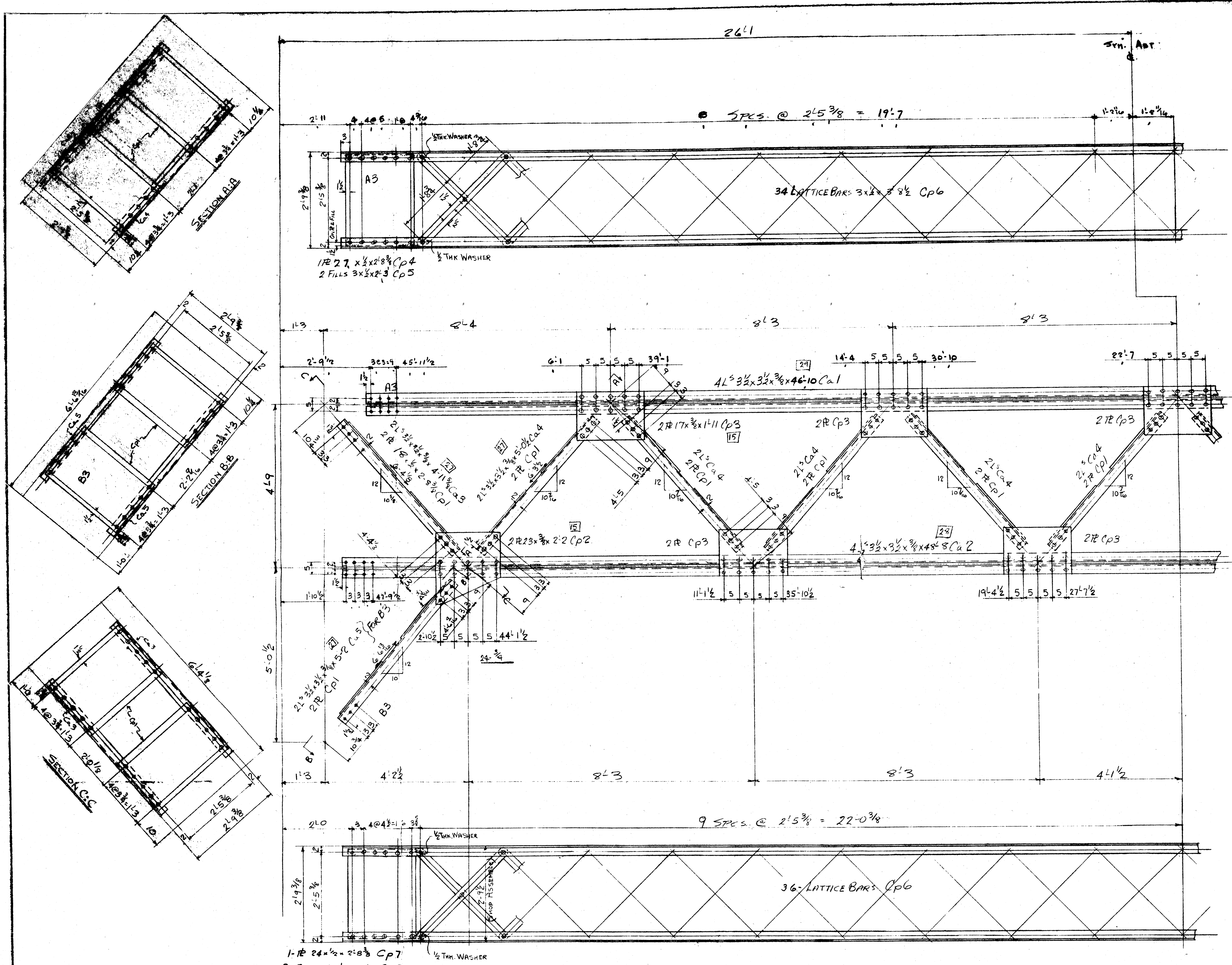
2-#s 76 1/4 x 5/8 x 8'5 Bp 7
 4-15 4x4x1/2x5'4 3/8 Ba 5
 2-15 8x8x3/8x4'5 3/8 Ba 6
 2-15 8x8x3/8x4'5 3/8 Ba 7
 8-10 4x4x5/8x2'0 Ba 8
 2-#s 30 3/4 x 1 x 2'7 1/4 Bp 10



4-BARS 3x3/4 x 3'7 1/4 Bp 9
 4-WASH. 3/8 x 3/4 THK.
 4-ANCHORAGE COLUMN-A2

CONT. 9636-1G

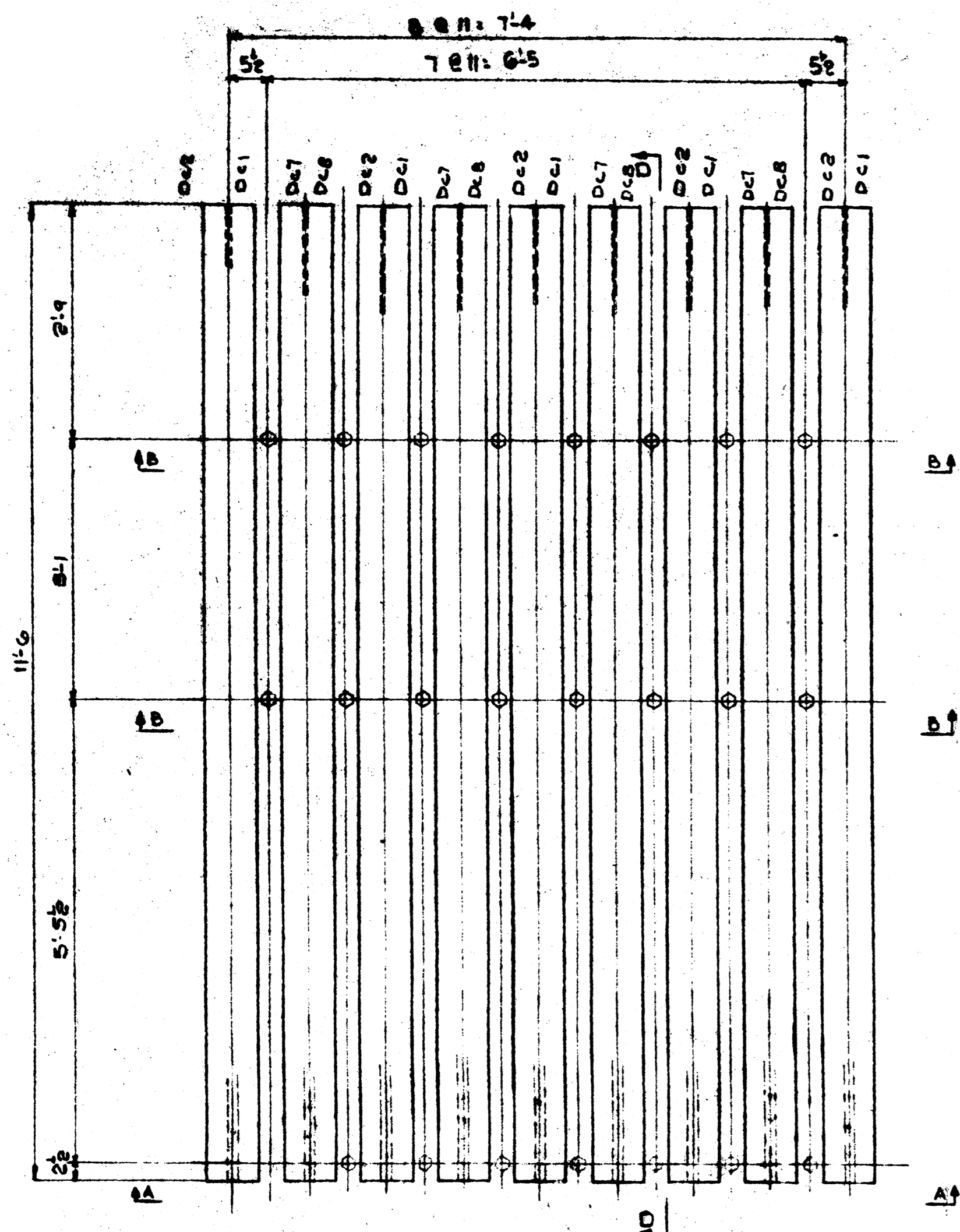
NOTES: 1. OPEN HOLES TO BE NOTED BY CONTRACTOR FOR SPECIFICATION CS 61-110. 2. SURFACE TO BE FINISHED BY SAND STRIPPING, CLEANING & COMPLETION IN OIL PAINT TO COME UP TO THE SURFACE OF THE CONCRETE WITH THE SURFACE OF THE CONCRETE. 3. ALL DIMENSIONS UNLESS OTHERWISE SPECIFIED TO FOLLOW SPEC.	REVISIONS: 1. 2/14/50	CUSTOMER: DEPT. OF PUBLIC WORKS - CANADA NAME OF STRUCTURE: BRIMINGTON CANAL LIGHT BRIDGE DESIGNER: C. G. PARKER & ASSOCIATES LTD. TITLE OF DRAWING: ANCHORAGE COLUMN
	LAST ASSEMBLY MARKS	COMPANY: Bridge & Tank COMPANY OF CANADA LIMITED HAMILTON BRIDGE DIVISION HAMILTON ONTARIO
	HAMILTON BRIDGE DIVISION HAMILTON ONTARIO	HAMILTON BRIDGE DIVISION HAMILTON ONTARIO
	DRAWING NO. 9636-1G	DRAWING NO. 9636-1G



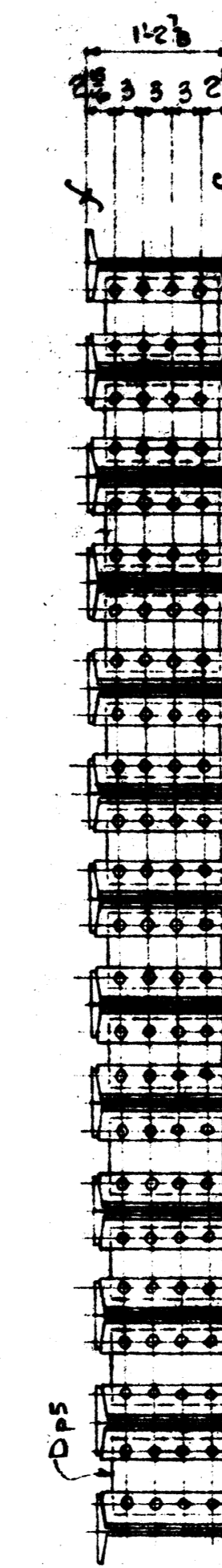
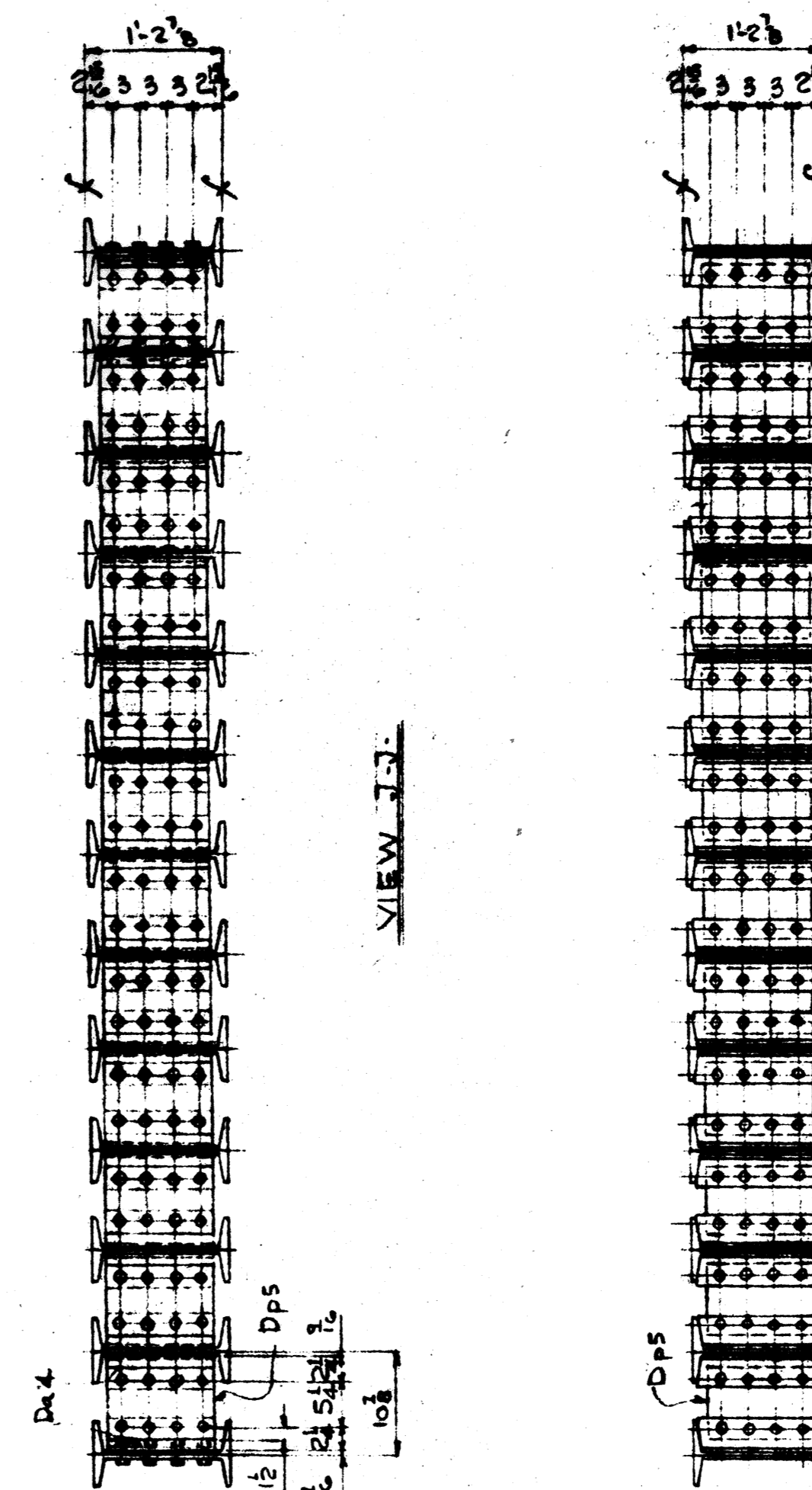
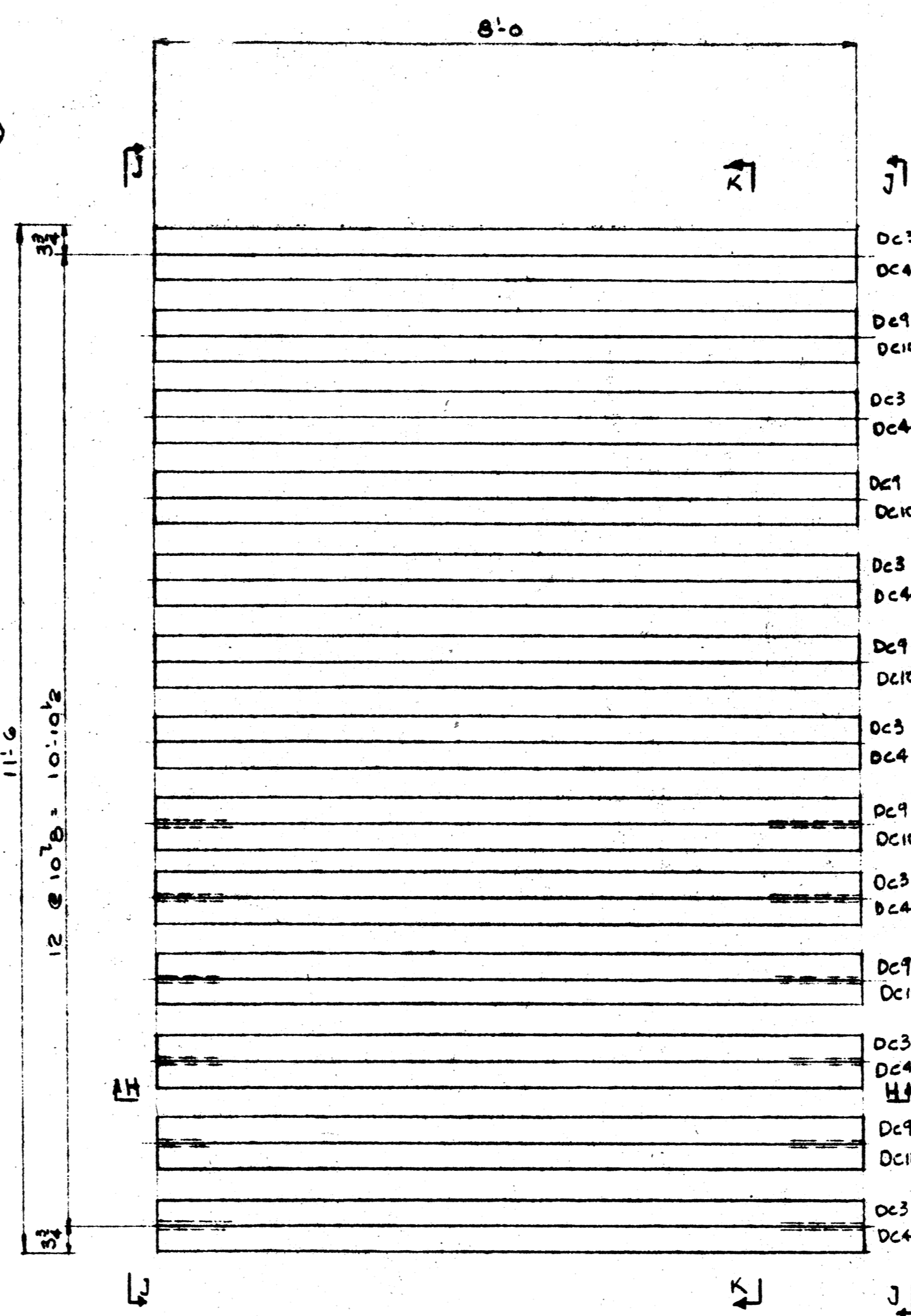
2 BRACE FRAMES A3
4 STRUTS B3

CONT. 9636-1

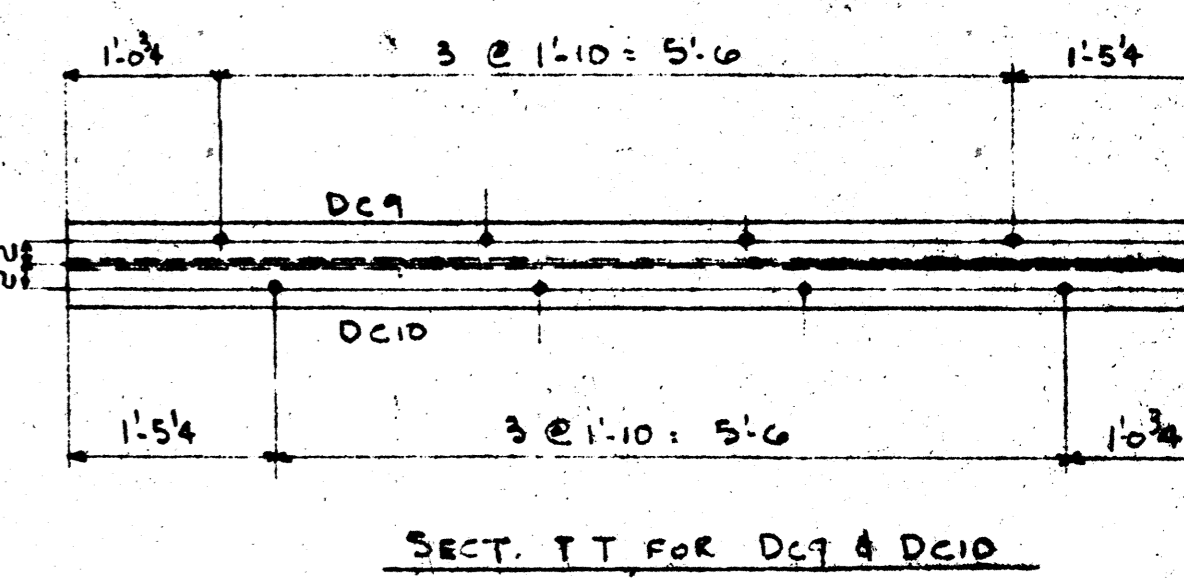
NOTES RIVETS: 3/4" OPEN HOLES: 1 1/2" PAINT: NO PAINT WELDING SPEC:	REVISED: 4/14/57	CUSTOMER: DEPARTMENT OF PUBLIC WORKS NAME OF STRUCTURE: BURLINGTON CANAL LIFT BRIDGE DESIGNER: G.C. PARKER & ASSOCIATES LTD. TITLE OF DRAWING: BRACE FRAMES FOR ANCHORAGES
	LAST ASSEMBLY MARKS:	Bridge & Steel <i>Company of Ontario, Limited</i>
	HAMILTON BRIDGE DIVISION HAMILTON, ONTARIO	CONTRACT: 9636-1G CHECKED: [initials] STARTED: [initials] COMPLETED: [initials] WORK ORDER: [initials]
	SHOP BILLS: A	DRAWING: 3



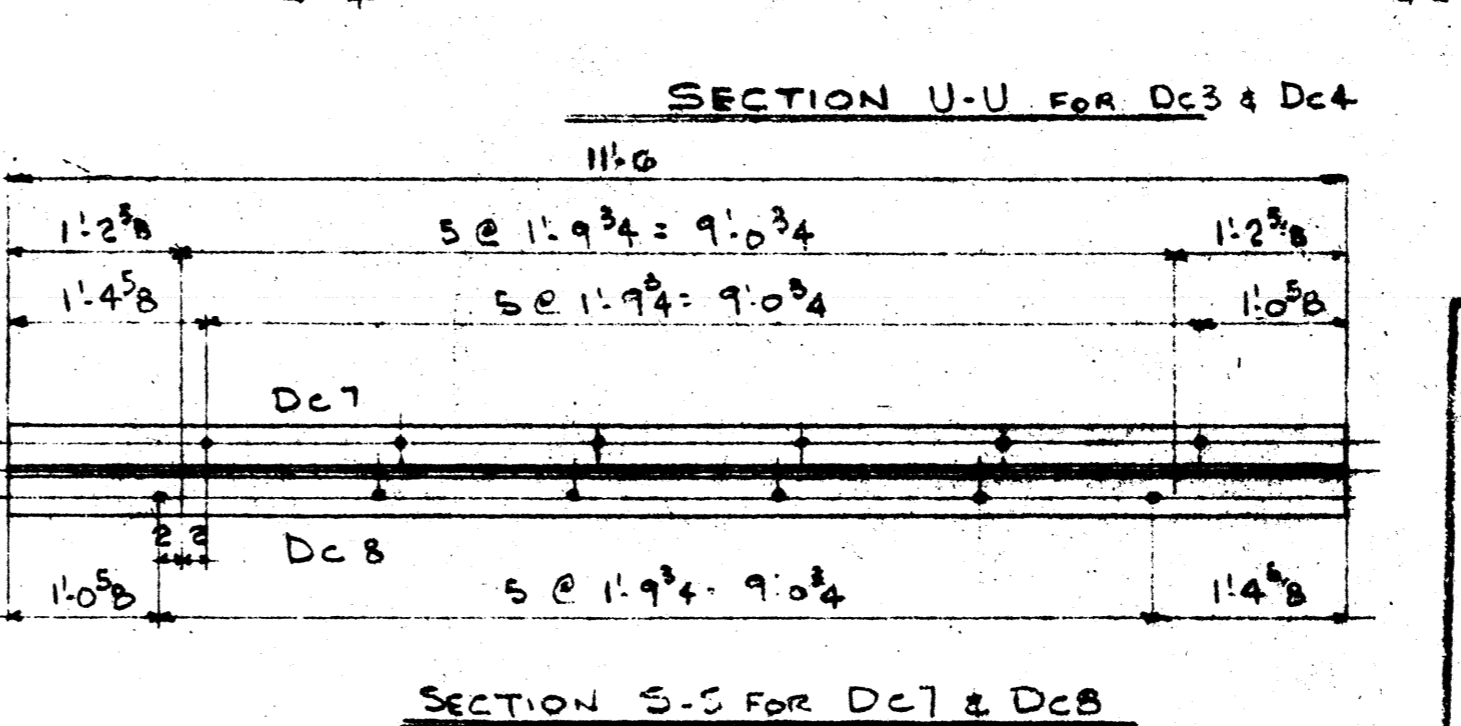
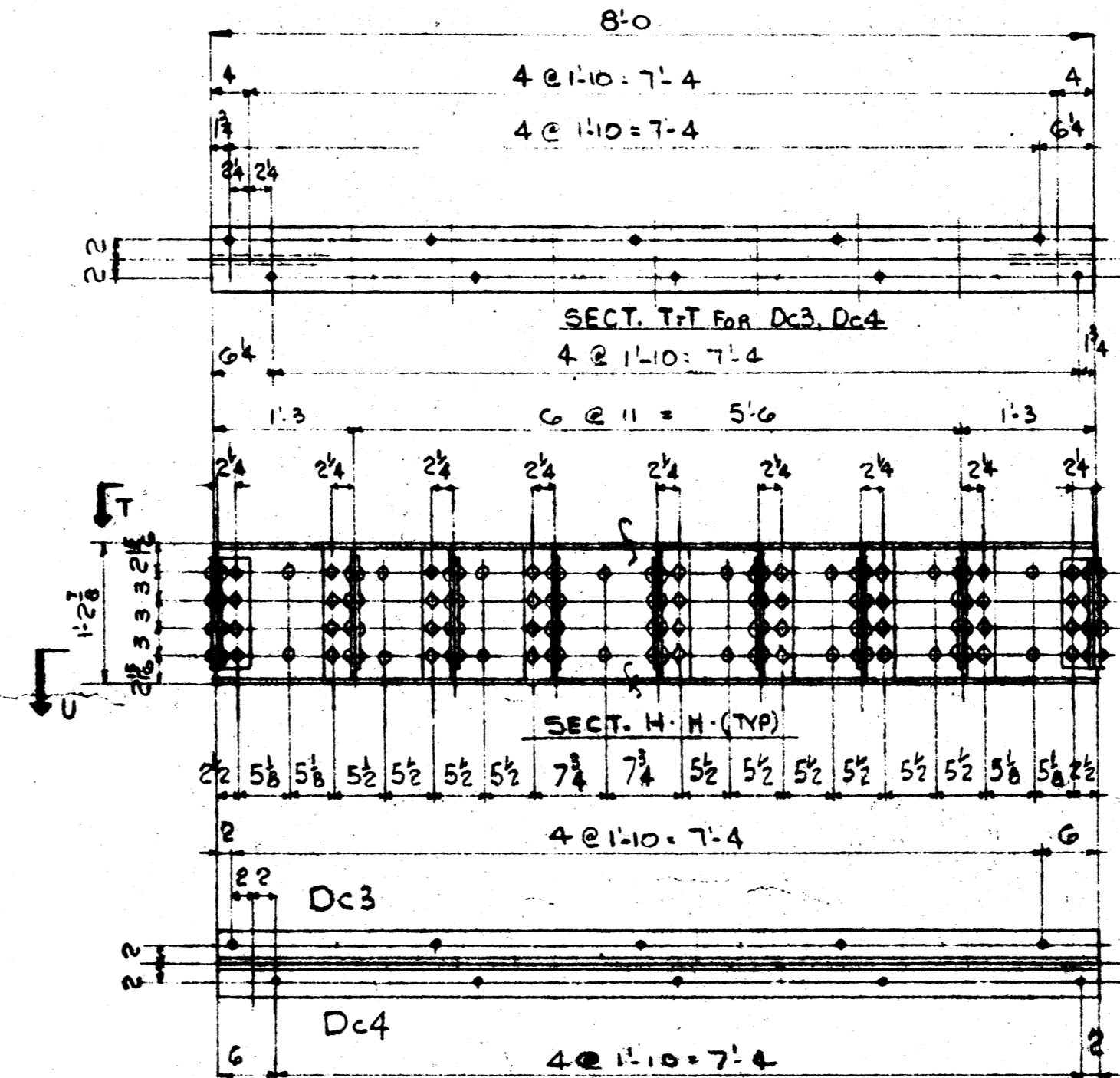
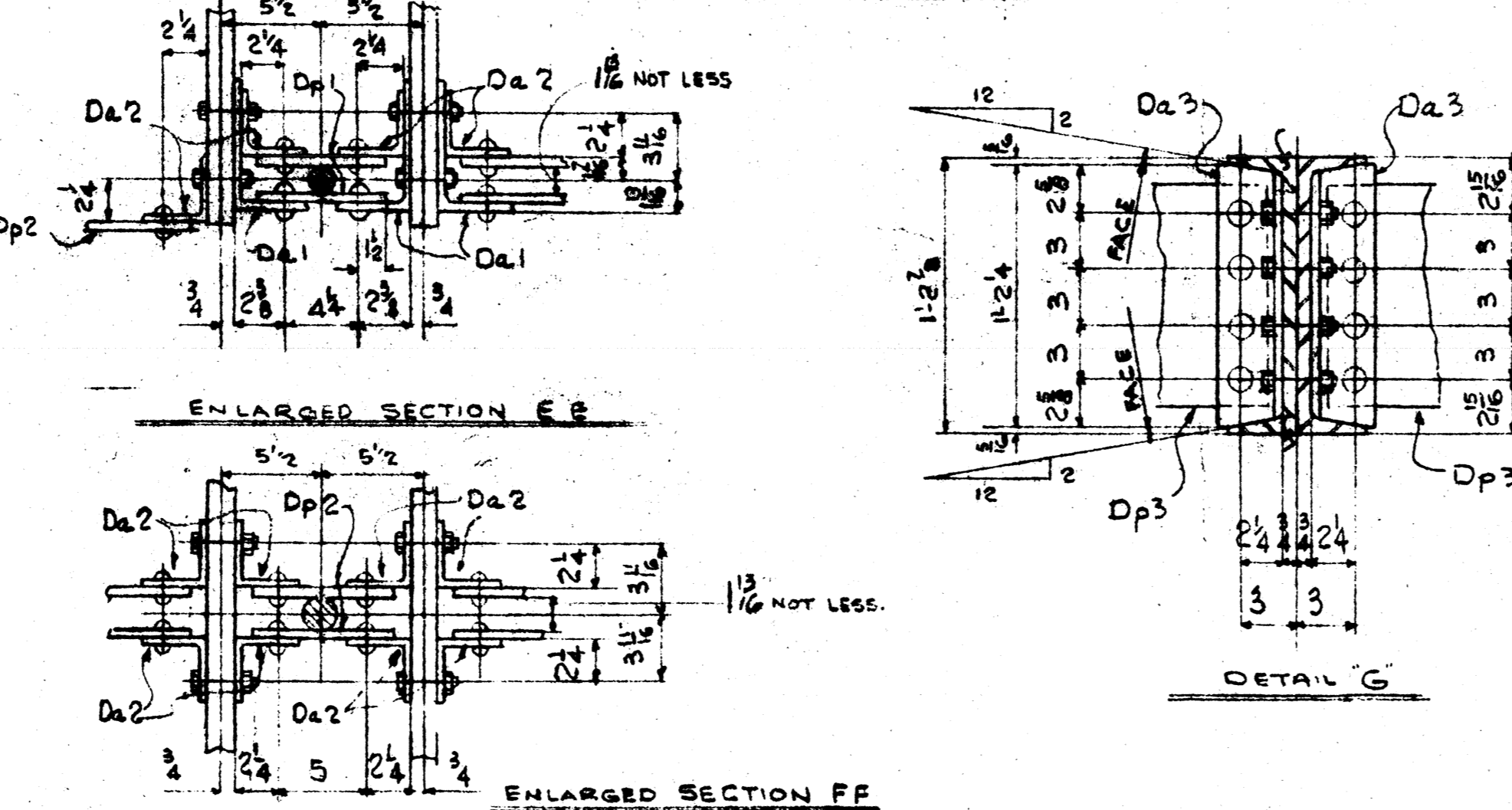
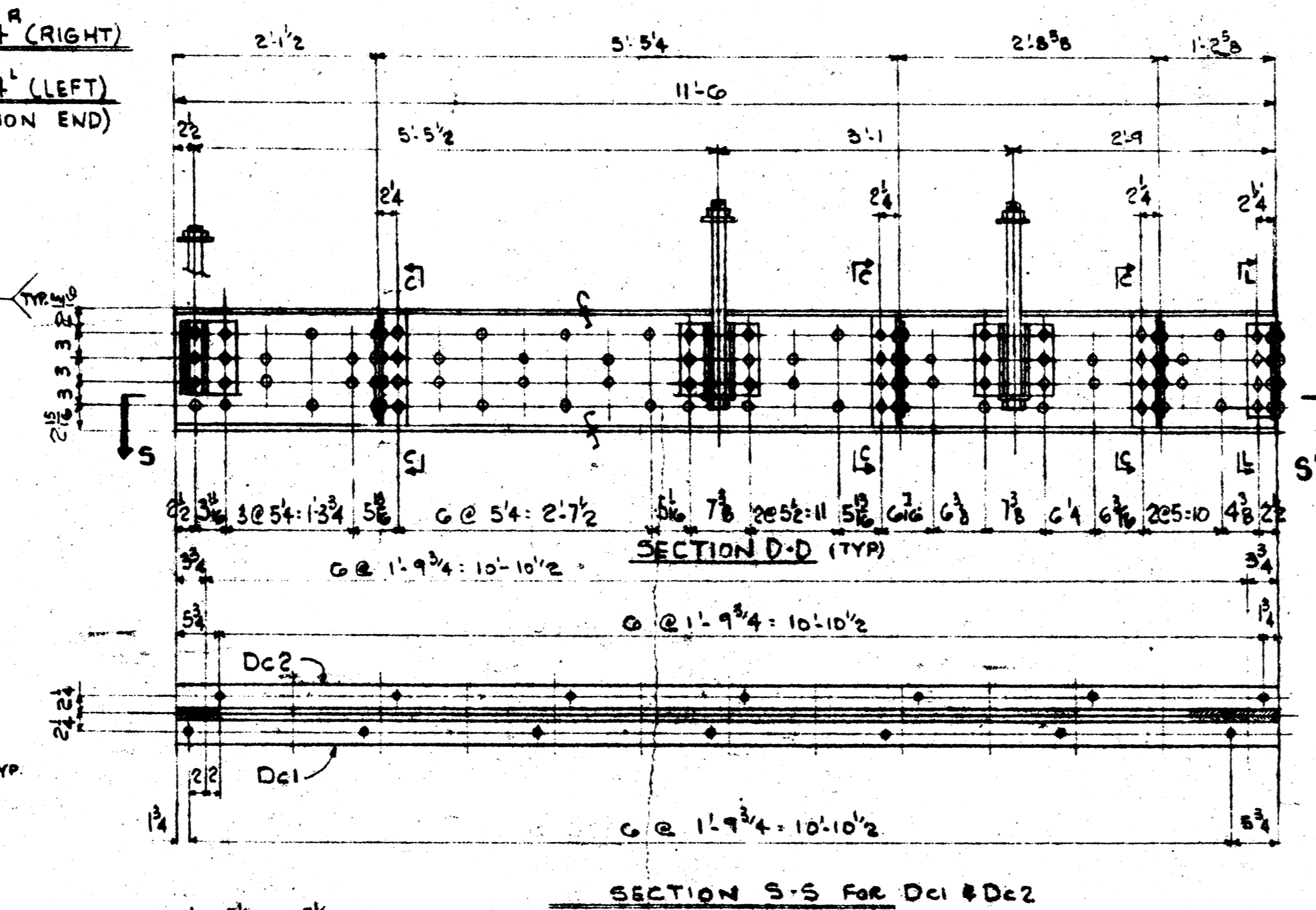
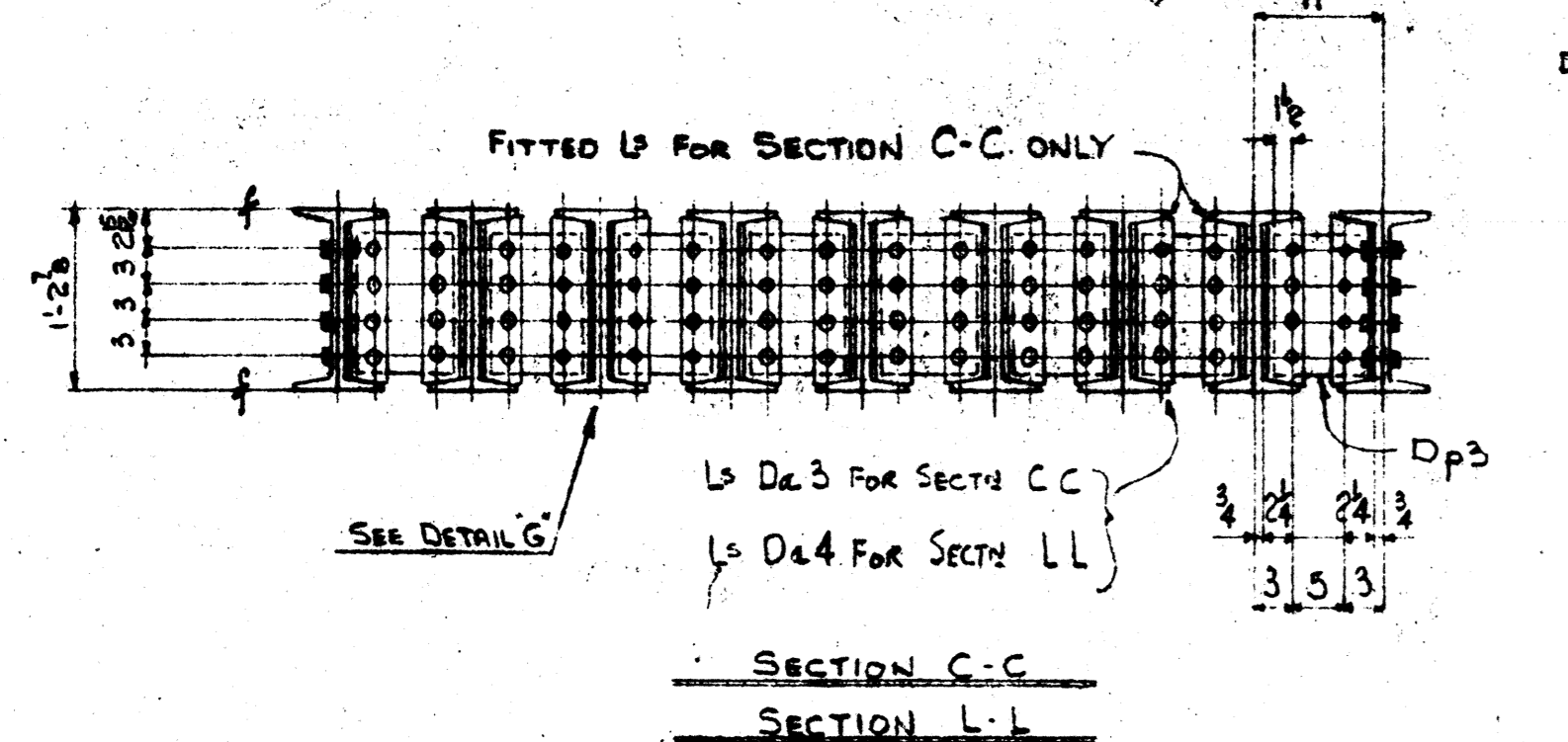
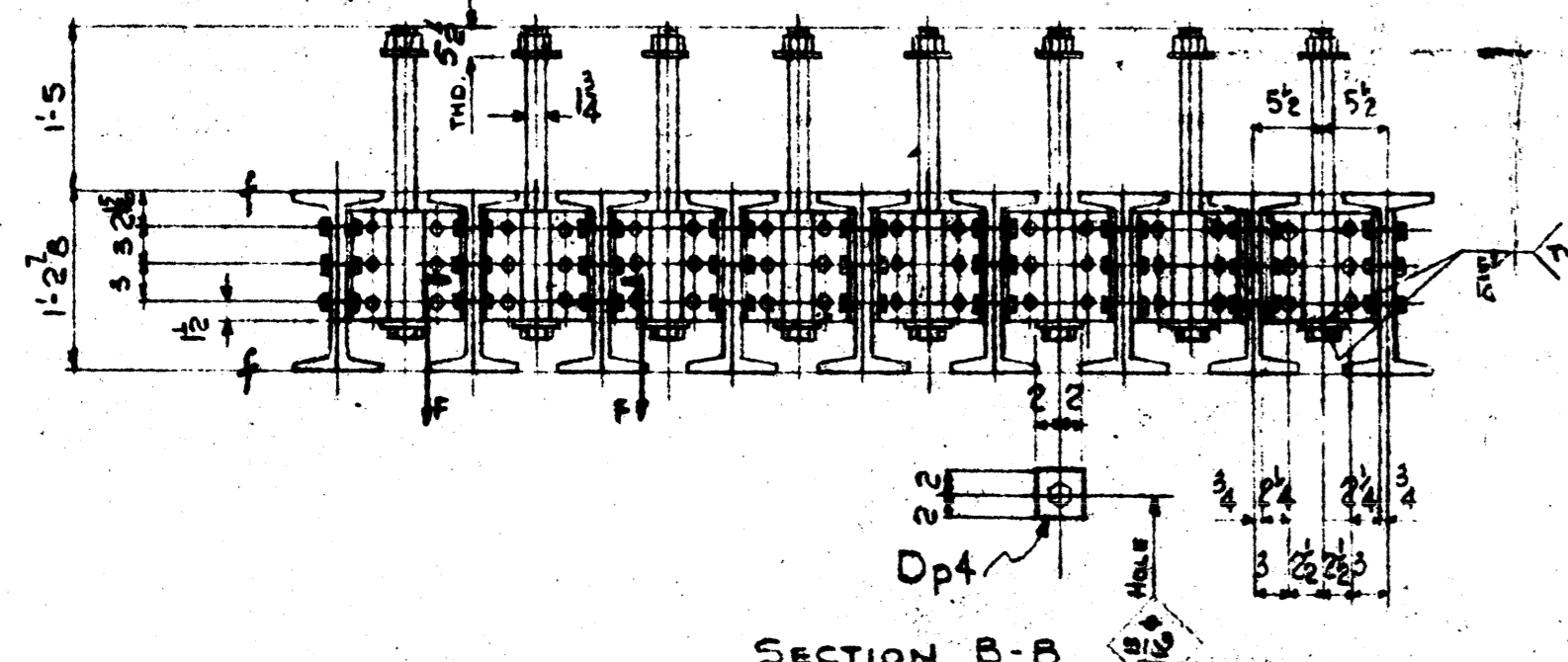
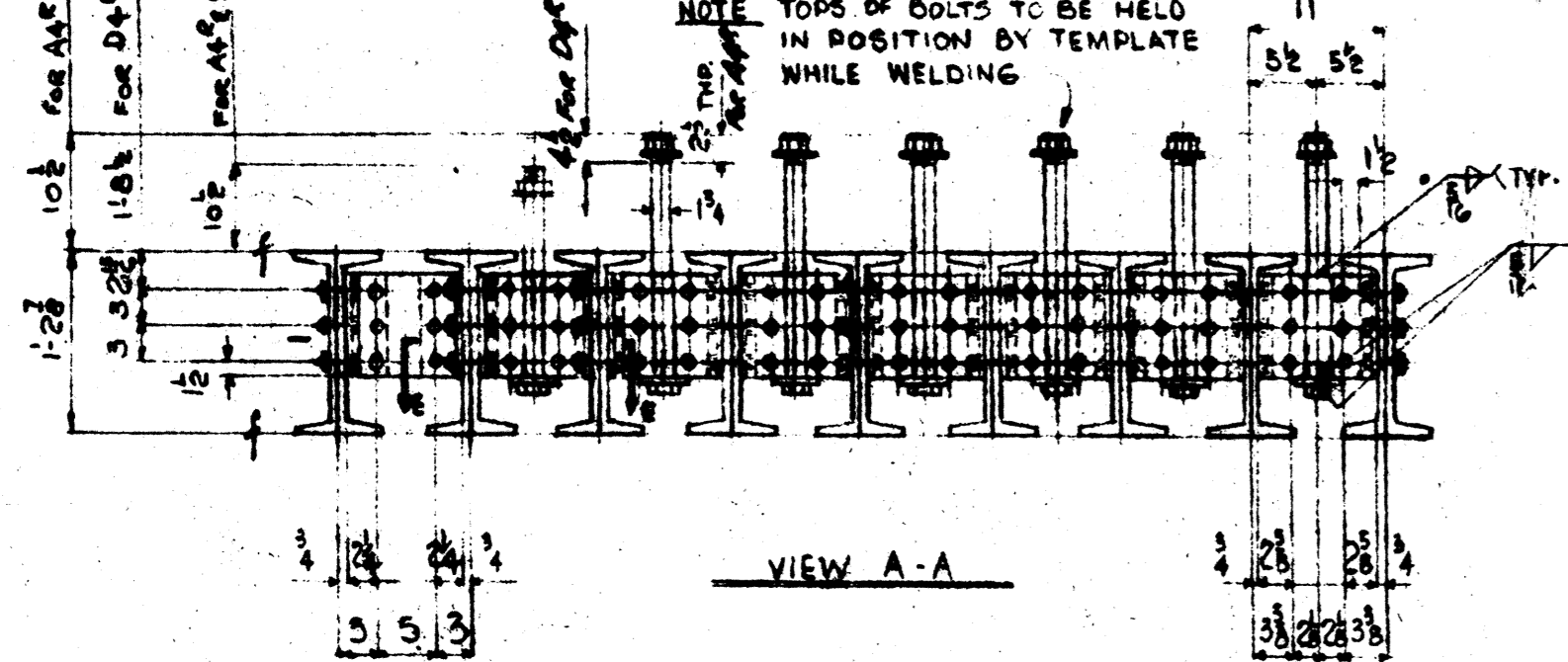
- MATERIAL FOR 1 GRILLAGE A4R**
- 5-1 C 15 x 3 1/2 x 7/8 @ 50 x 11'-6" (FIN. TOP & BUTT FLGES AFTER ASSEMBLY OF SECTION)
 - 14 Ls 7 x 4 x 3/8 @ 9 Dc1
 - 80 Ls 3/2 x 3/2 x 3/8 @ 9 Dc2
 - 16 Ls 3/2 x 3/2 x 3/8 @ 11-0 Dc4
 - 48 Ls 3/2 x 3/2 x 3/8 @ 11-24 Dc3 (FACE BOTH ENDS)
 - 14 R3 7/8 x 1/2 @ 9 Dp1
 - 33 R3 8 x 1/2 @ 9 Dp2
 - 32 R3 8 x 1/2 @ 11-0 Dp3
 - 7 BOLTS 1 3/4 x 1 1/4 FOR A4R
 - 16 BOLTS 1 3/4 x 2 1/4
 - 23 STD. WASH FOR 1 3/4 BOLT
 - 23 RWASH 4 x 2 x 4 Dp4
 - 50 } 1 3/4 M. BOLTS WITH NUTS & L. WASH
 - 97 } 3/4
 - 84 } 3/4
 - 16 } 4
 - 4 C 15 @ 50 x 11'-6" (FIN. TOP & BUTT FLGES AFTER ASSEMBLY OF SECT)
 - 1 M. BOLT 1 3/4 x 1 1/4 FOR D4R
 - 6 } 2 1/4



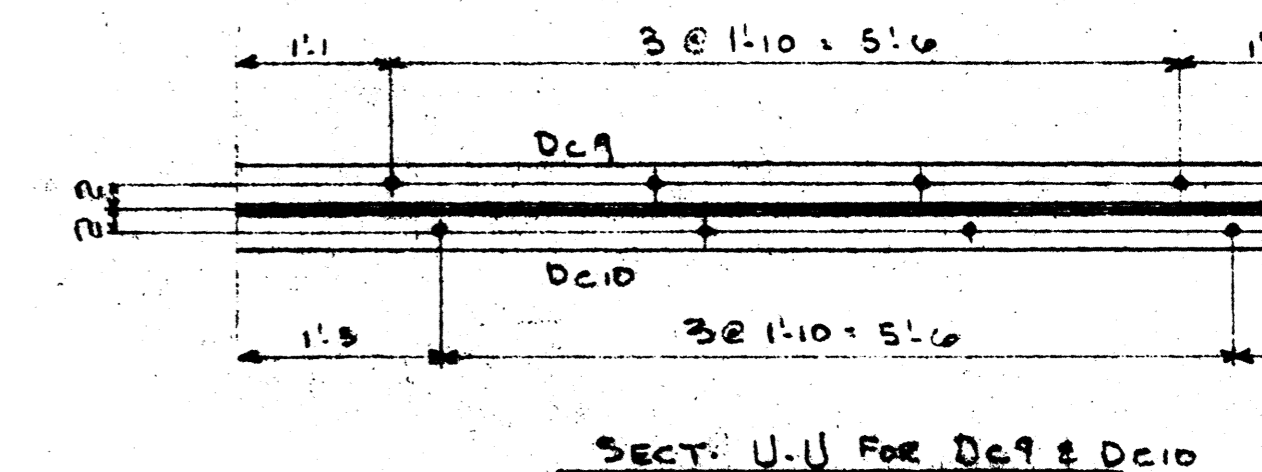
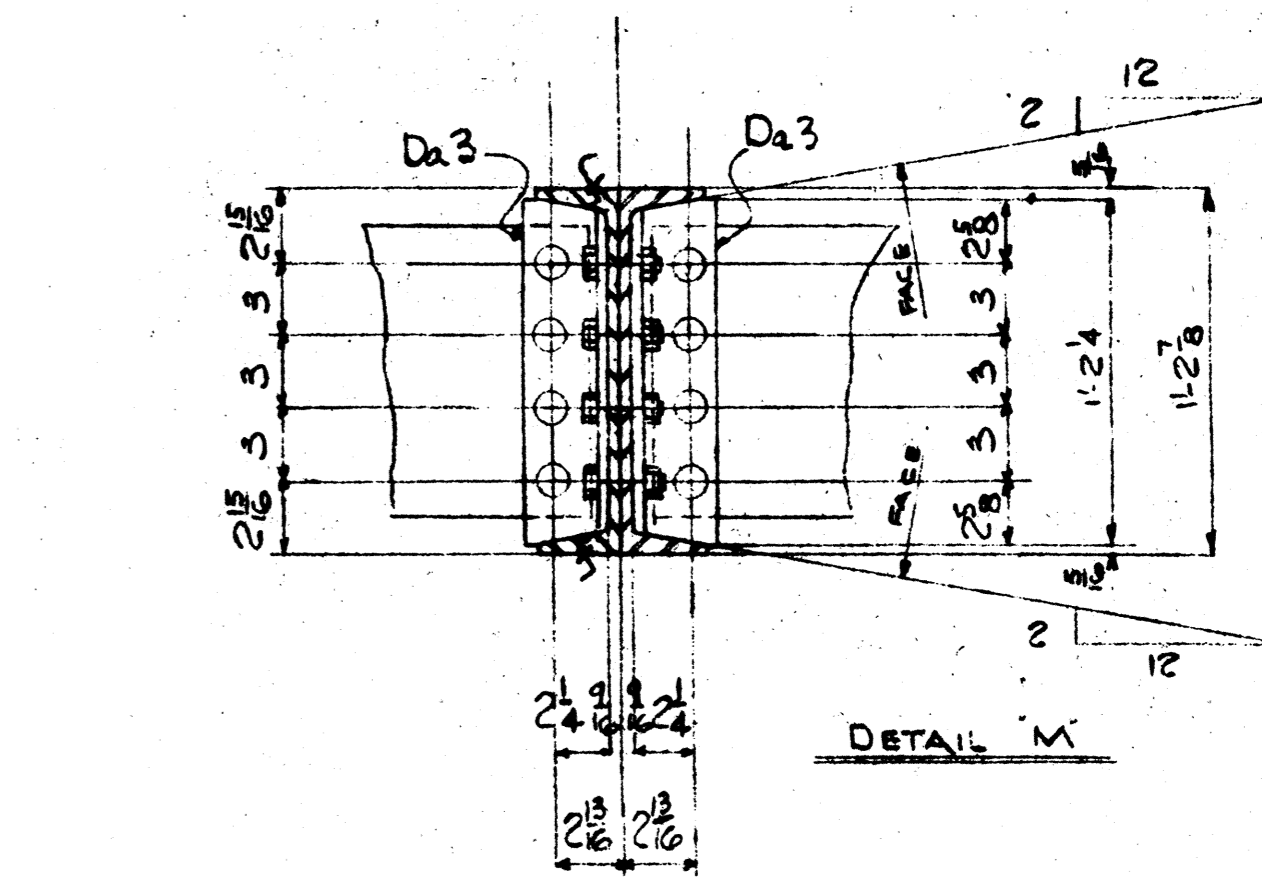
- MATERIAL FOR 1 GRILLAGE B4**
- 7-1 C 15 x 3 1/2 x 7/8 @ 40 x 8'-0" (FIN. TOP & BUTT FLGES AFTER ASSEMBLY)
 - 48 Ls 3/2 x 3/2 x 3/8 @ 11-0 Dc4
 - 16 Ls Dc3
 - 108 R3 8 x 1/2 @ 11-0 Dp5
 - 6 Cs 15 x 3 1/2 x 7/8 @ 40 x 8'-0" (FIN. TOP & BUTT FLGES AFTER ASSEMBLY)
 - 308 } 7/8 M. BOLTS WITH NUTS & L. W. WASH
 - 72 } 3/4
 - 61 } 4



1 GRILLAGE SECTION A4R (RIGHT) 1 GRILLAGE SECTION D4 (RIGHT)
1 GRILLAGE SECTION A4L (LEFT) 1 GRILLAGE SECTION D4L (LEFT)

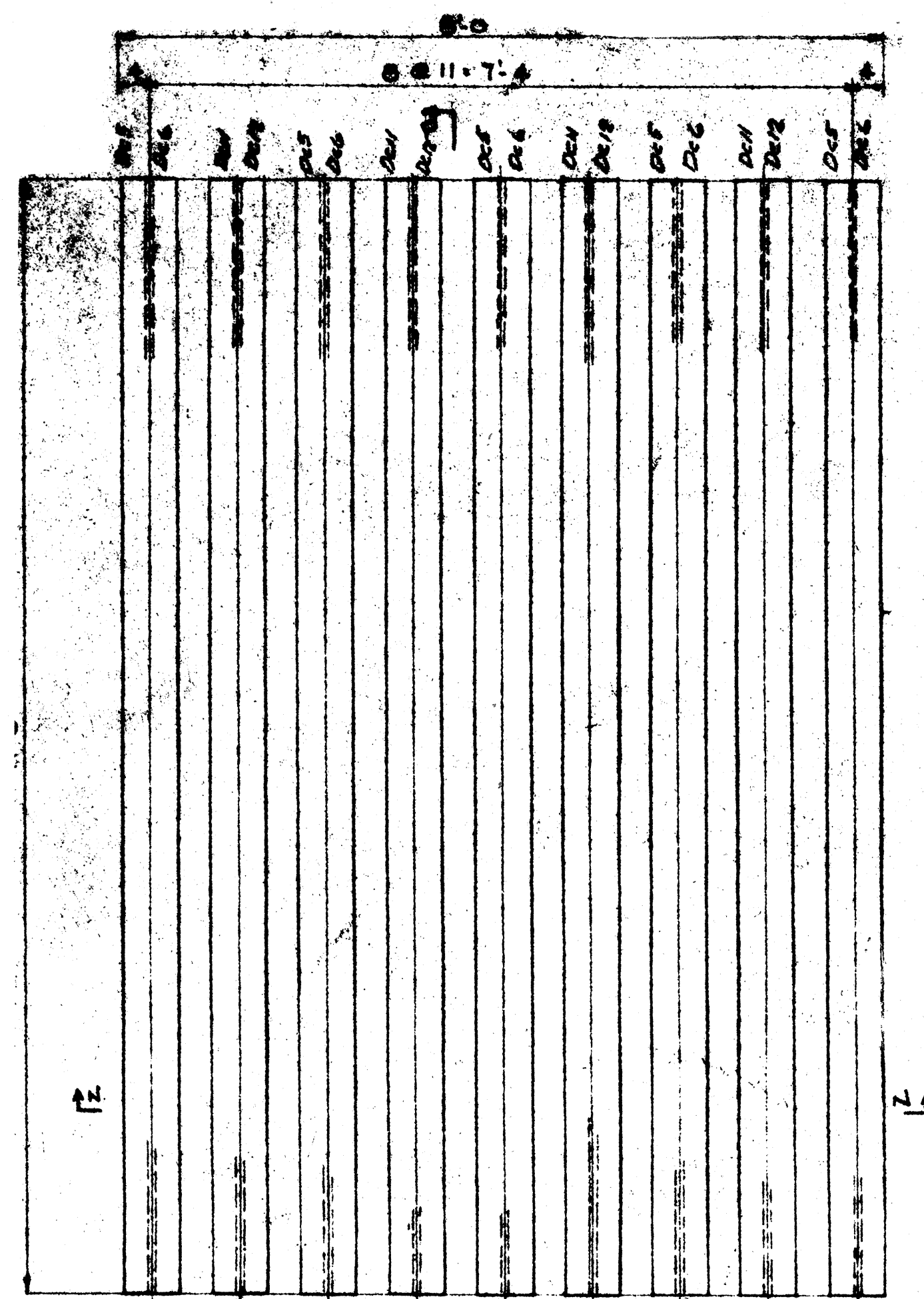


4 GRILLAGE SECTIONS B4

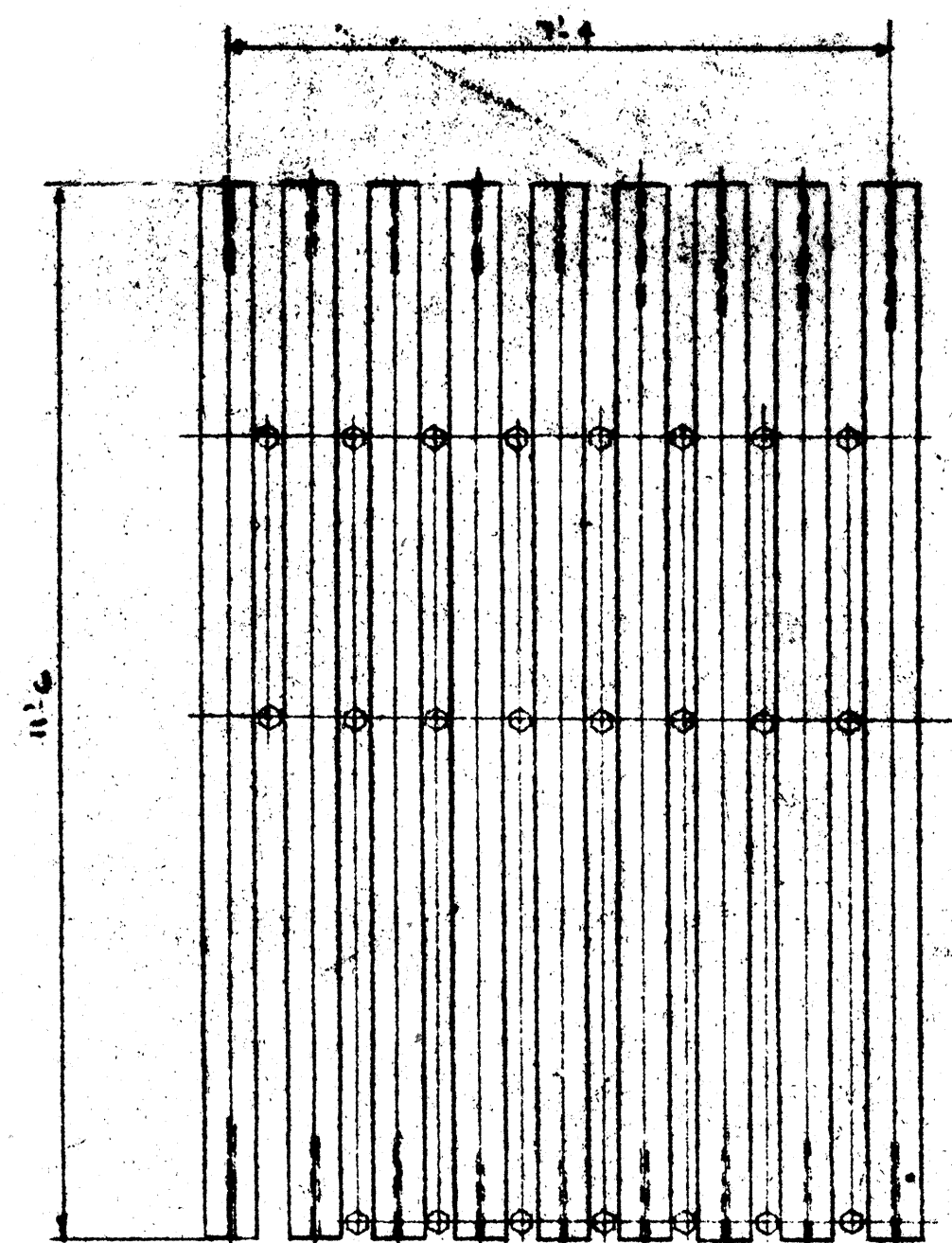


WORK THIS DWG WITH DWG 4B		REVISED		CONT 9636-1	
NOTES	REVISIONS	REVISIONS	REVISIONS	CUSTOMER DEPARTMENT OF PUBLIC WORKS - CANADA	
OPEN HOLES 1/8 OR NOTED	1	1	1	NAME OF STRUCTURE BURLINGTON CANAL LIFT BRIDGE	
PAINT NONE	2	2	2	DESIGN BY C.C. PARKER & ASSOCIATES LTD.	
WELDING SPEC. CSA W47 W59	3	3	3	TITLE OF DRAWING GRILLAGE BEAMS	
	4	4	4	Bridge & Tank	
	5	5	5	Company / Canada Limited	
	6	6	6	HAMILTON BRIDGE DIVISION HAMILTON ONTARIO	
	7	7	7	MADE BY T.B.D. DATE MAR 1987 CONTRACT 9650-16	
	8	8	8	CHECKED BY DATE 7/11/87 WORK ORDER	
	9	9	9	DRAWING 4A	

SHOP BILLS: A, B, C

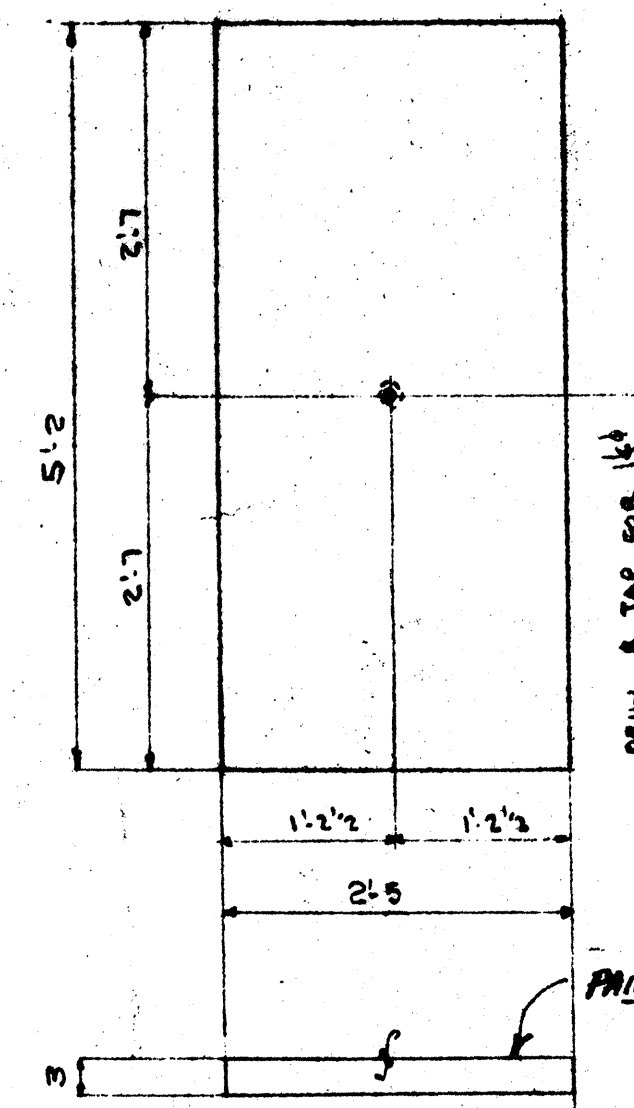


P
4 GRILLAGE SECTIONS C4

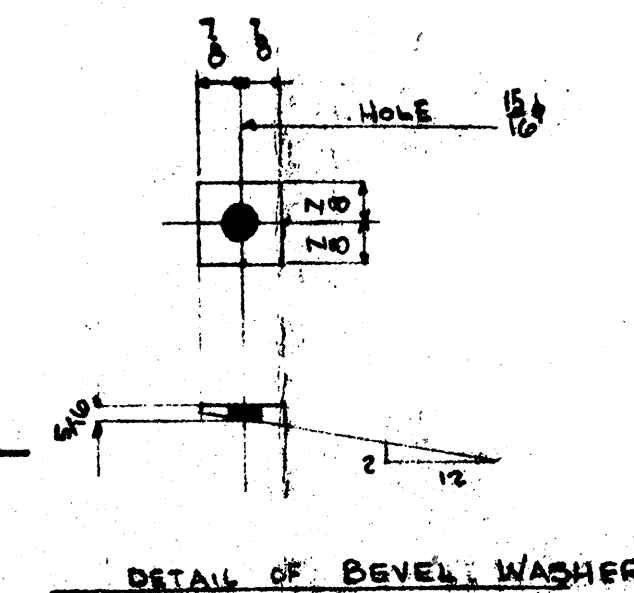


MATERIAL FOR 1 GRILLAGE E4^R (EXP)
 1-GRILLAGE SECTION D4^R
 1-GRILLAGE SECTION B4
 1-GRILLAGE SECTION C4
 236 M. BOLTS 7/8" x 2 3/4" WITH NUTS
 472 BEWASH FOR 7/8" BOLTS
 (SEE DETAIL)

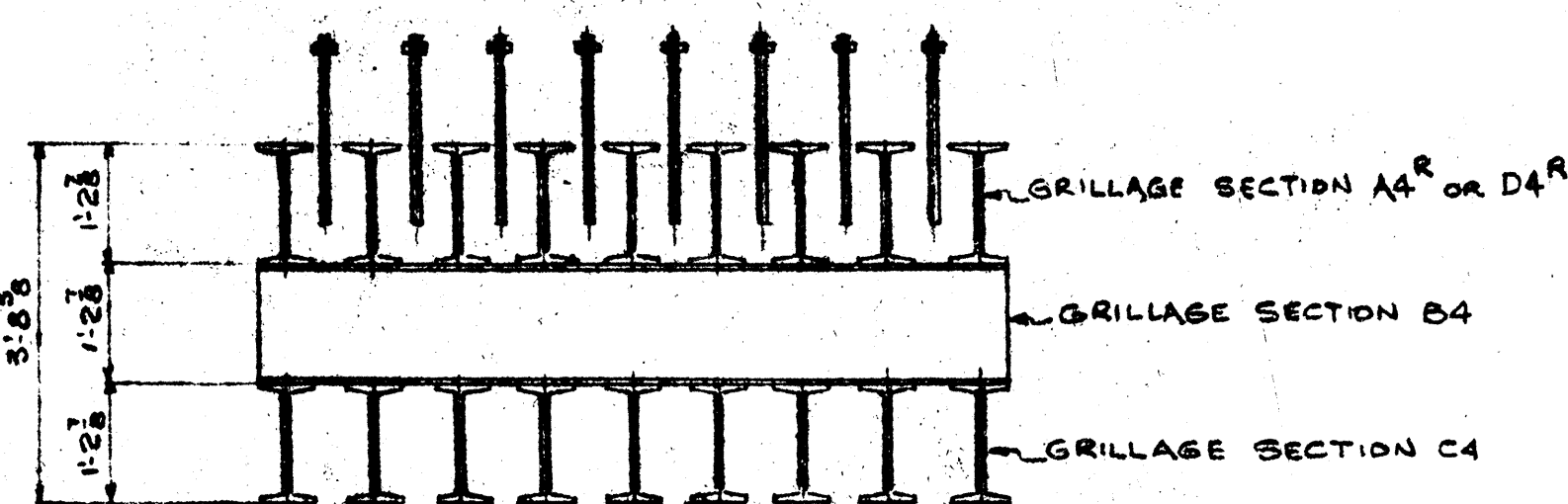
MATERIAL FOR 1 GRILLAGE E4^R (FIXED)
 1-GRILLAGE SECTION A4^R
 1-GRILLAGE SECTION B4
 1-GRILLAGE SECTION C4
 236 M. BOLTS 7/8" x 2 3/4" WITH NUTS
 432 BEWASH FOR 7/8" BOLT



1-# 29 x 3 x 5/2 (FIN FROM 3 3/4)
 4 JACKING PLATES J4



DETAIL OF BEVEL WASHERS



ASSEMBLY OF GRILLAGE

1-GRILLAGE E4^R (RIGHT) } EXPANSION END
 1-GRILLAGE E4^R (LEFT) }
 1-GRILLAGE F4^R (RIGHT) } FIXED END
 1-GRILLAGE F4^R (LEFT) }

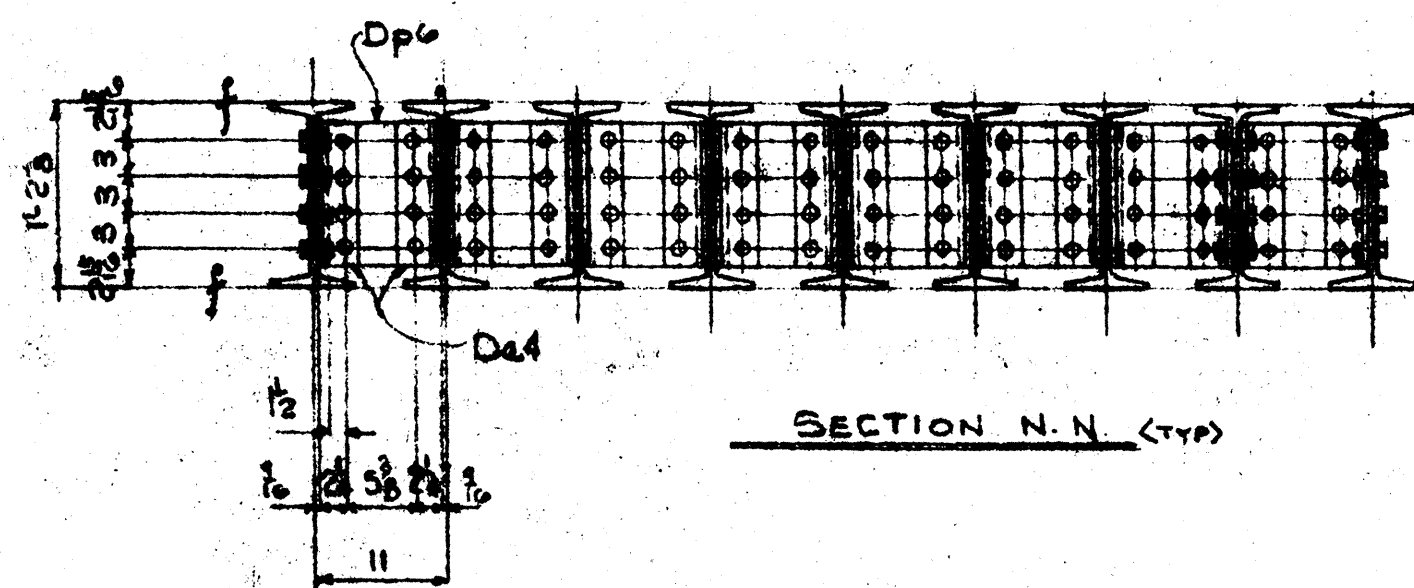
MATERIAL FOR 1 GRILLAGE SECTION C4

5 C. 15 x 3/2 x 1/2 @ 40 x 11'-6" (DC5 (FIN. TOP & BOTT FLG) (DC6 AFTER ASSEMBLY)

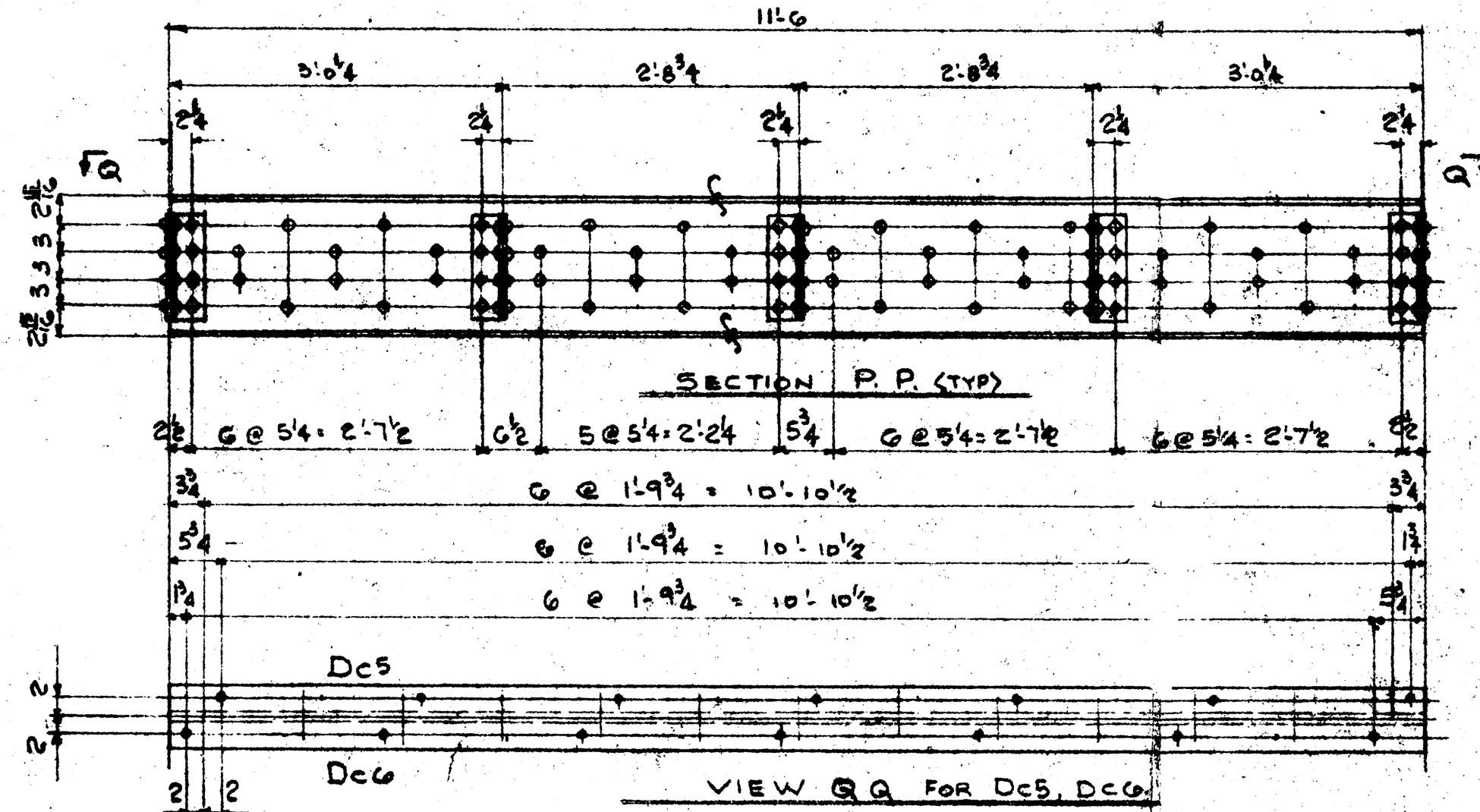
80 Ls D44
 40 Pcs 2 3/8" x 3/8" x 1'-0" Dp6 (18)

4 C. 15 x 3/2 x 1/2 @ 40 x 11'-6" (DC11 (FIN. TOP & BOTT FLG) (DC12 AFTER ASSEMBLY)

40 } 8/8 M. BOLTS { 3 WITH NUTS & L. WASH.

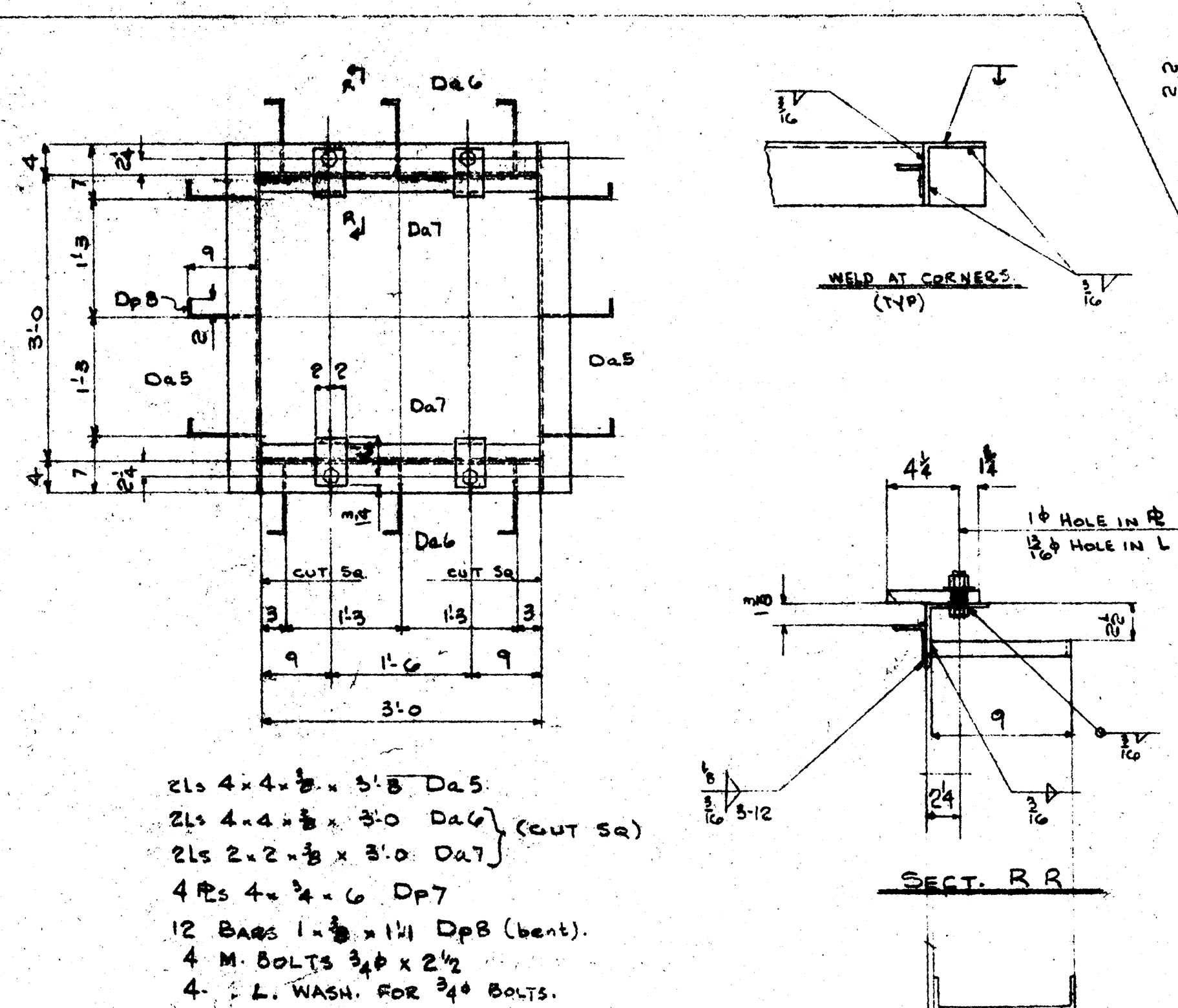


SECTION N-N (TYP)



SECTION P-P (TYP)

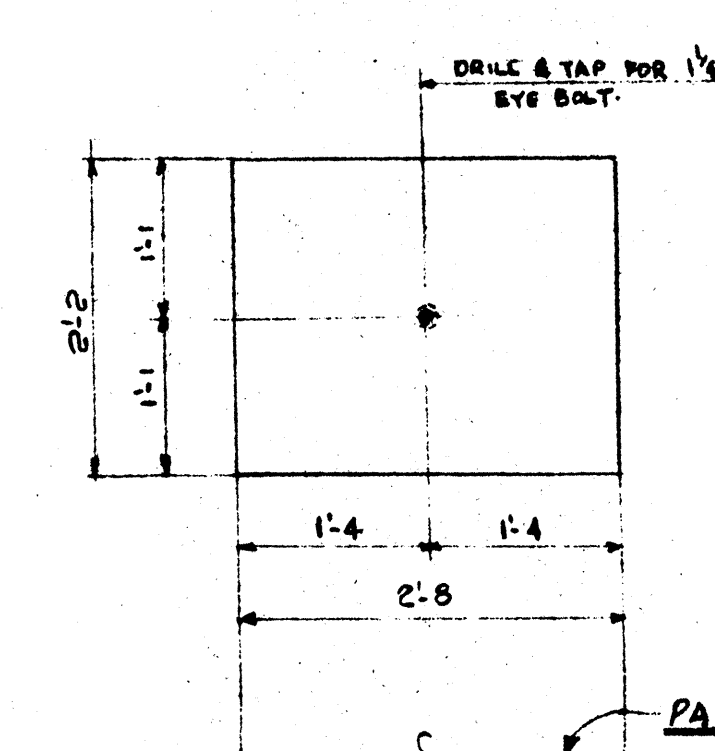
VIEW Q-Q FOR Dc5, Dc6



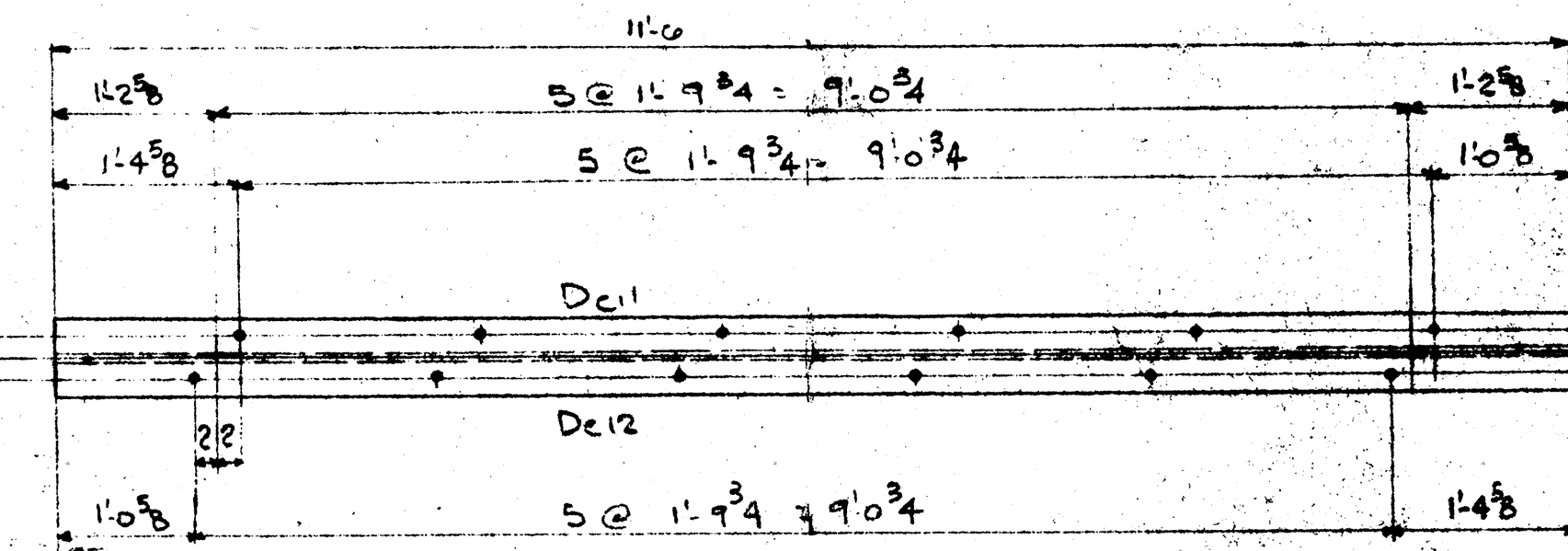
2Ls 4-4 x 3/8 x 5'5" D45
 2Ls 4-4 x 3/8 x 3'0" D46 (cut 5a)
 2Ls 2-2 x 3/8 x 3'0" D47
 4 Pcs 4 x 3/4 x 6 Dp7
 12 BASS 1-3/8 x 1 1/2 Dp8 (bent)
 4 M. BOLTS 3/4 x 2 1/2
 4 L. WASH. FOR 3/4 BOLTS

4-MANHOLE FRAMES

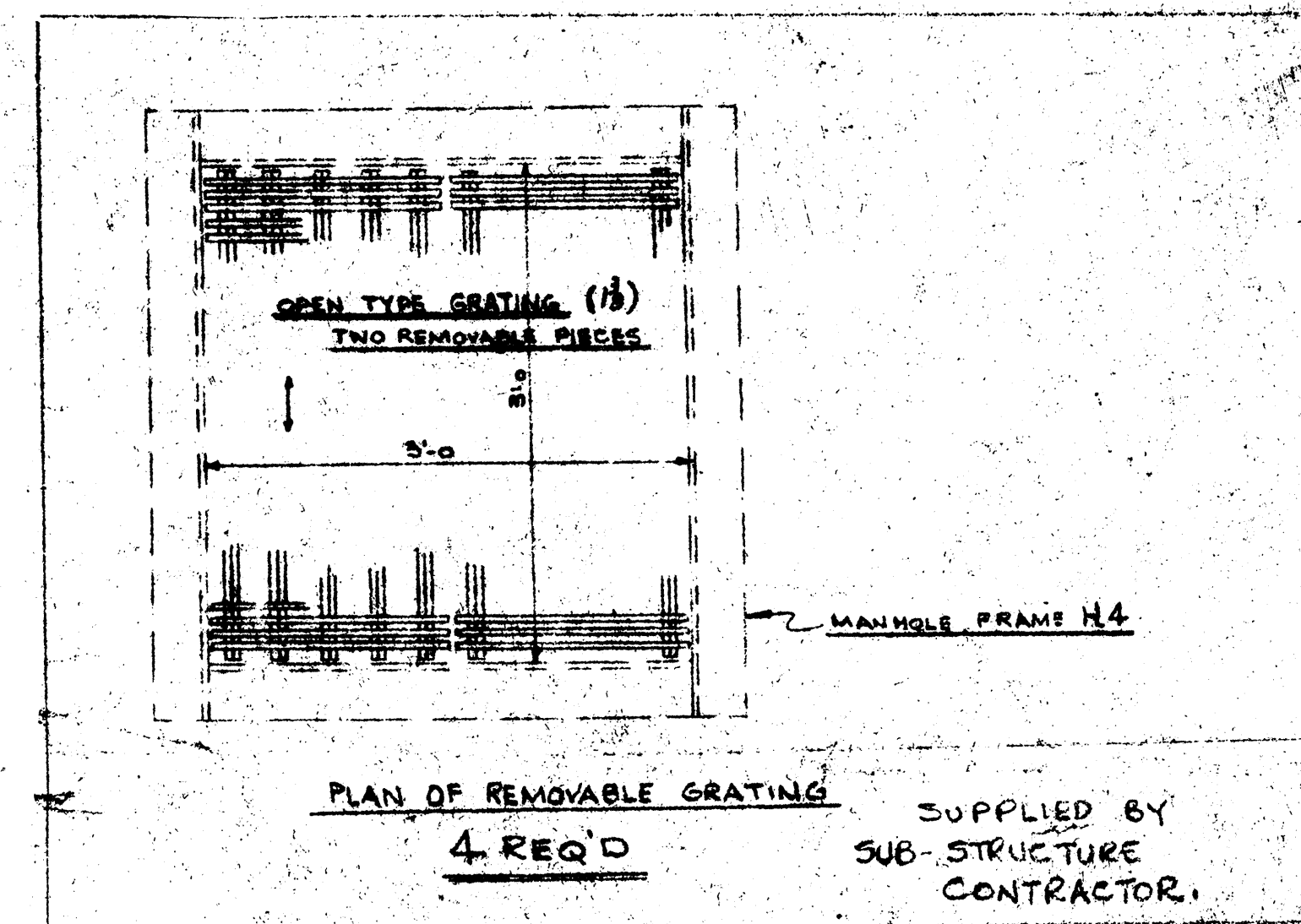
SUPPLIED BY SUB-STRUCTURE CONTRACTOR



1-# 22 x 3 x 2'8" (FIN FROM 3 3/4)
 4 JACKING PLATES G4



VIEW Q-Q FOR Dc11 & Dc12



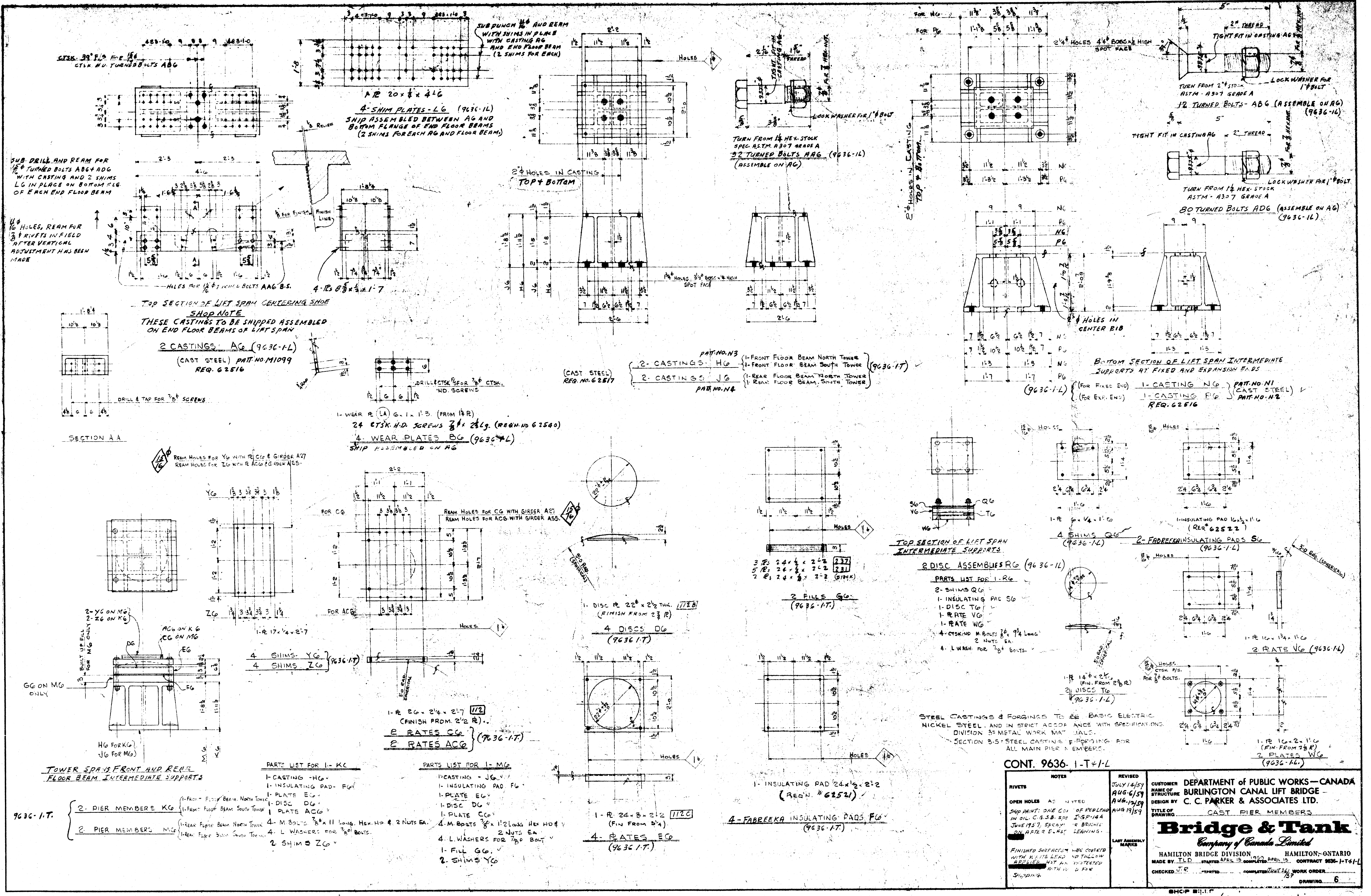
PLAN OF REMOVABLE GRATING

4 REQ'D

SUPPLIED BY SUB-STRUCTURE CONTRACTOR

WORK THIS DWG WITH DWG 4A		CONT 9636-1	
NOTES	REVISED	CUSTOMER DEPARTMENT OF PUBLIC WORKS - CANADA	
RIVETS 1/4"	1/10/59	NAME OF STRUCTURE BURLINGTON CANAL LIFT BRIDGE	
OPEN HOLES 1/2" OR NOTED	1/10/59	DESIGN BY C. C. PARKER & ASSOCIATES LTD.	
		TITLE OF DRAWING GRILLAGE BEAMS	
		Bridge & Tank	
		HAMILTON BRIDGE DIVISION HAMILTON, ONTARIO	
		MADE BY T.L.D. STARTED MAR 20 1959 CONTRACT 9636-1	
		CHECKED BY [Signature] STARTED [Signature] COMPLETE 1/10/59 WORK ORDER	
		CSA 147 W59. DRAWING 4B	

SHOP BILLS: A,B,C



CTSK. 3/8" P.C. FOR 1/2" CTSK. NU. TURNED BOLTS ABG

SUB DRILL AND REAM FOR 1/2" TURNED BOLTS ABG + ADG WITH CASTING AND 2 SHIMS LG IN PLACE ON BOTTOM FLE OF EACH END FLOOR BEAM

1/2" HOLES, REAM FOR 3/8" RIVETS IN FIELD AFTER VERTICAL ADJUSTMENT HAS BEEN MADE

4 SHIM PLATES - LG (9636-1L) SHIP ASSEMBLED BETWEEN AG AND BOTTOM FLANGE OF END FLOOR BEAMS (2 SHIMS FOR EACH AG AND FLOOR BEAM)

TOP SECTION OF LIET SPAN CENTERING SHOE
SHOP NOTE
THESE CASTINGS TO BE SHIPPED ASSEMBLED ON END FLOOR BEAMS OF LIET SPAN

2 CASTINGS AG (9636-1L) (CAST STEEL) PAT. NO. M1099 REQ. 62516

SECTION A-A

REAM HOLES FOR 1/2" WITH R2 CIP & GIRDER A27 REAM HOLES FOR 1/2" WITH R2 CIP & GIRDER A25

1 WEAR PLATE LA (G. 1/2" x 1/2" (FROM 1/2" R))
24 CTSK. H.D. SCREWS 3/8" x 2 1/2" (REQ. NO. 62540)
4 WEAR PLATES BG (9636-1L) SHIP ASSEMBLED ON AG

(CAST STEEL) REQ. NO. 62817

PART. NO. N3
1 - FRONT FLOOR BEAM NORTH TOWER
1 - FRONT FLOOR BEAM SOUTH TOWER
2 - CASTINGS HG (9636-1T)
PART. NO. N4
1 - REAR FLOOR BEAM NORTH TOWER
1 - REAR FLOOR BEAM SOUTH TOWER

TOWER SPANS FRONT AND REAR FLOOR BEAM INTERMEDIATE SUPPORTS

9636-1.T.

2 - PIER MEMBERS KG
2 - PIER MEMBERS MG

PARTS LIST FOR 1-KC
1 - CASTING - HG
1 - INSULATING PAD - FG
1 - PLATE EG
1 - DISC DG
1 - PLATE ACQ
4 - M. BOLTS 3/8" x 11" Long, Hex. Hd. & 2 NUTS EA.
4 - L. WASHERS FOR 3/8" BOLTS
2 SHIMS ZG

PARTS LIST FOR 1-MG
1 - CASTING - JG
1 - INSULATING PAD - FG
1 - PLATE EG
1 - DISC DG
1 - PLATE CCV
4 - M. BOLTS 3/8" x 11" Long, Hex. Hd. & 2 NUTS EA.
4 - L. WASHERS FOR 3/8" BOLTS
1 - FILL GG
2 - SHIMS YG

1 - R. 24 x 3 x 2 1/2 (FIN. FROM 3/4")
4 - RATES EG (9636-1.T.)

4 - FABREEKA INSULATING PADS FG (9636-1.T.)

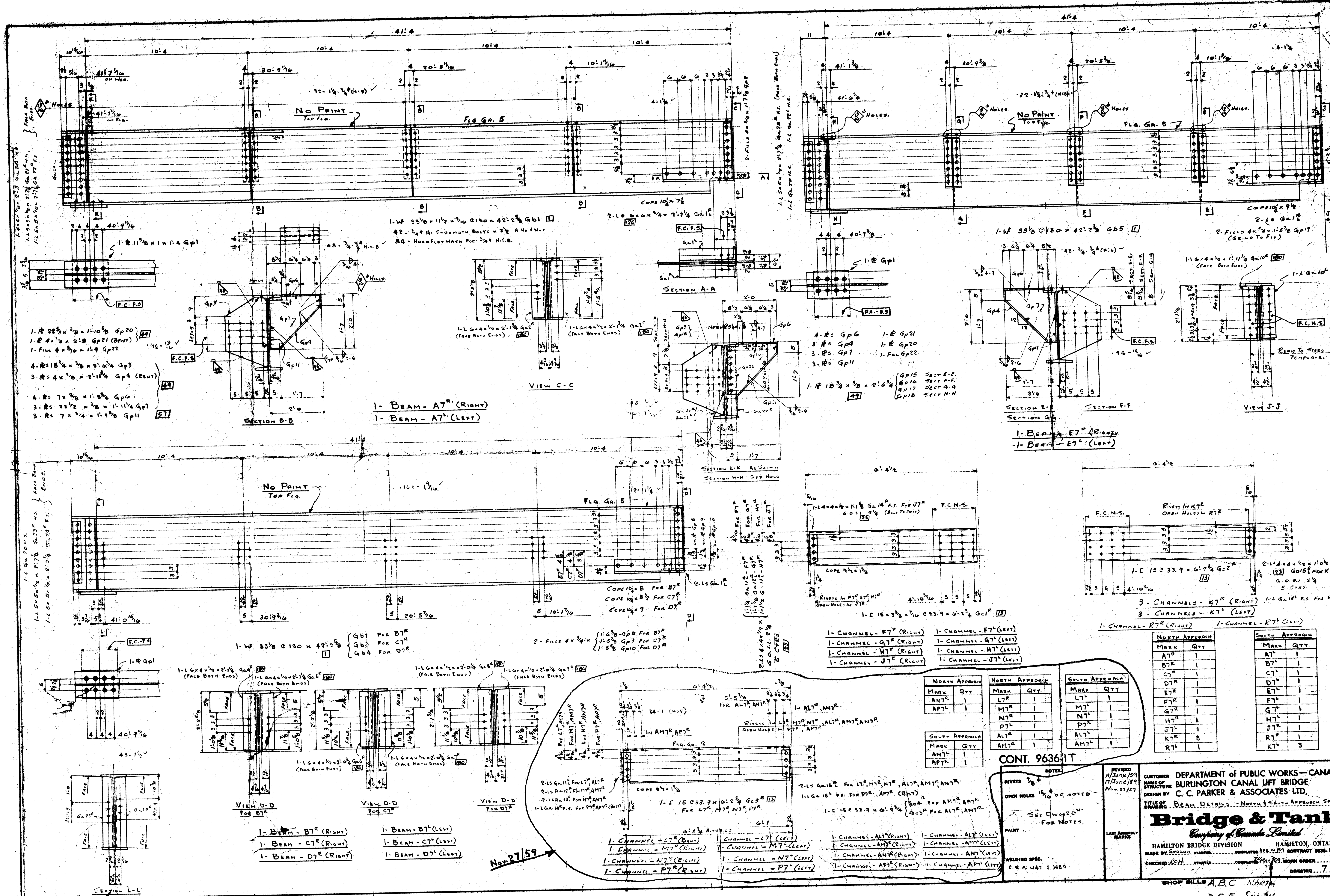
TOP SECTION OF LIET SPAN INTERMEDIATE SUPPORTS

2 DISC ASSEMBLES RG (9636-1L)

PARTS LIST FOR 1-RG
2 - SHIMS QG
1 - INSULATING PAD SG
1 - DISC TG
1 - RATE VG
1 - RATE WG
4 - CTSK. M. BOLTS 3/8" x 9 1/2" Long & 2 NUTS EA.
4 - L. WASH. FOR 3/8" BOLTS

CONT. 9636-1-T-1-L

REVISED	NOTES	CUSTOMER	DEPARTMENT OF PUBLIC WORKS - CANADA
JULY 14/59	RIVETS	NAME OF STRUCTURE	BURLINGTON CANAL LIFT BRIDGE
AUG. 6/59	OPEN HOLES AS NOTED	DESIGN BY	C. C. PARKER & ASSOCIATES LTD.
AUG. 19/59	SHOP PRINT: ONE COPY OF PERIODIC IN OIL. C.G.S.B. SPEC. I.G.P. 144 JUNE 1957. SPECIAL BRIDGE ON AFTER EAST LEARNING.	TITLE OF DRAWING	GAST PIER MEMBERS
	FINISHED SURFACES TO BE COVERED WITH 1/2" LEAD AND TALLOW. BRIDGE MUST BE PROTECTED WITH 1/2" ZINC PAINT.		
		Bridge & Tank <i>Company of Canada Limited</i>	
		HAMILTON BRIDGE DIVISION	HAMILTON - ONTARIO
		MADE BY I.D.	STARTED APRIL 1959 COMPLETED
		CHECKED J.R.	WORK ORDER
			DRAWING



1 - BEAM - A7^R (RIGHT)
1 - BEAM - A7^L (LEFT)

1 - BEAM - E7^R (RIGHT)
1 - BEAM - E7^L (LEFT)

1 - BEAM - B7^R (RIGHT)
1 - BEAM - B7^L (LEFT)
1 - BEAM - C7^R (RIGHT)
1 - BEAM - C7^L (LEFT)
1 - BEAM - D7^R (RIGHT)
1 - BEAM - D7^L (LEFT)

1 - CHANNEL - F7^R (RIGHT)
1 - CHANNEL - F7^L (LEFT)
1 - CHANNEL - G7^R (RIGHT)
1 - CHANNEL - G7^L (LEFT)
1 - CHANNEL - H7^R (RIGHT)
1 - CHANNEL - H7^L (LEFT)
1 - CHANNEL - J7^R (RIGHT)
1 - CHANNEL - J7^L (LEFT)

NORTH APPROACH		NORTH APPROACH		SOUTH APPROACH	
MARK	QTY	MARK	QTY	MARK	QTY
A7 ^R	1	L7 ^R	1	M7 ^R	1
B7 ^R	1	M7 ^R	1	N7 ^R	1
C7 ^R	1	D7 ^R	1	P7 ^R	1
E7 ^R	1	H7 ^R	1	J7 ^R	1
F7 ^R	1	K7 ^R	3	R7 ^R	1
G7 ^R	1				
H7 ^R	1				
J7 ^R	1				
K7 ^R	3				
R7 ^R	1				

NORTH APPROACH		SOUTH APPROACH	
MARK	QTY	MARK	QTY
A7 ^R	1	A7 ^L	1
B7 ^R	1	B7 ^L	1
C7 ^R	1	C7 ^L	1
D7 ^R	1	D7 ^L	1
E7 ^R	1	E7 ^L	1
F7 ^R	1	F7 ^L	1
G7 ^R	1	G7 ^L	1
H7 ^R	1	H7 ^L	1
J7 ^R	1	J7 ^L	1
K7 ^R	3	K7 ^L	3
R7 ^R	1	R7 ^L	1

CONT. 9636-1T

NOTES:
RIVETS 3/8"
OPEN HOLES 1/8" OR NOTED
SEE DWG 9636 FOR NOTES.
PAINT
WELDING SPEC. C.C.A. 447 1 WED

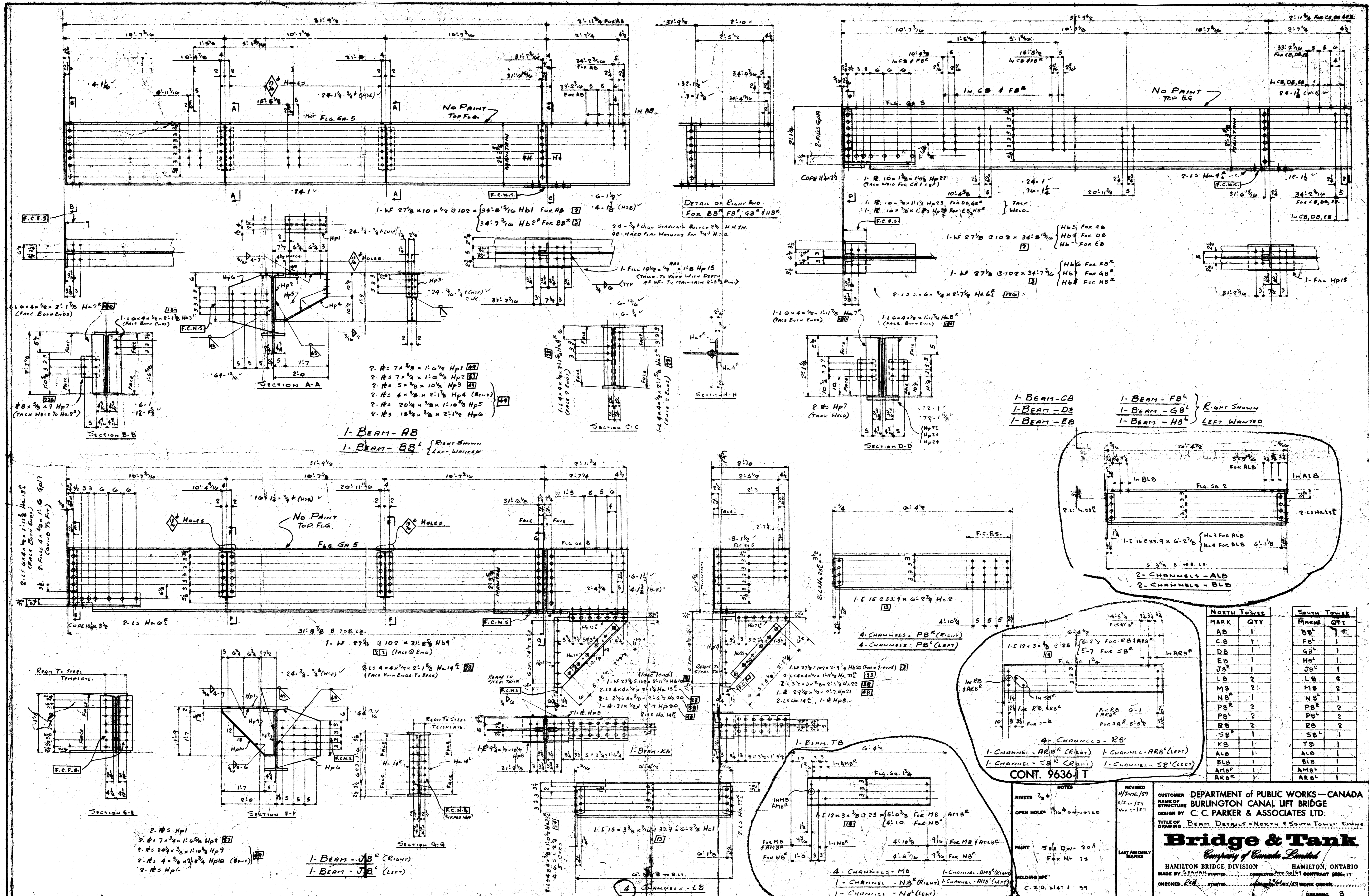
REVISIONS:
11/June/59
17/June/59
16/Nov/59

CUSTOMER: DEPARTMENT OF PUBLIC WORKS - CANADA
NAME OF STRUCTURE: BURLINGTON CANAL LIFT BRIDGE
DESIGN BY: C. C. PARKER & ASSOCIATES LTD.
TITLE OF DRAWING: BEAM DETAILS - NORTH & SOUTH APPROACH SPANS

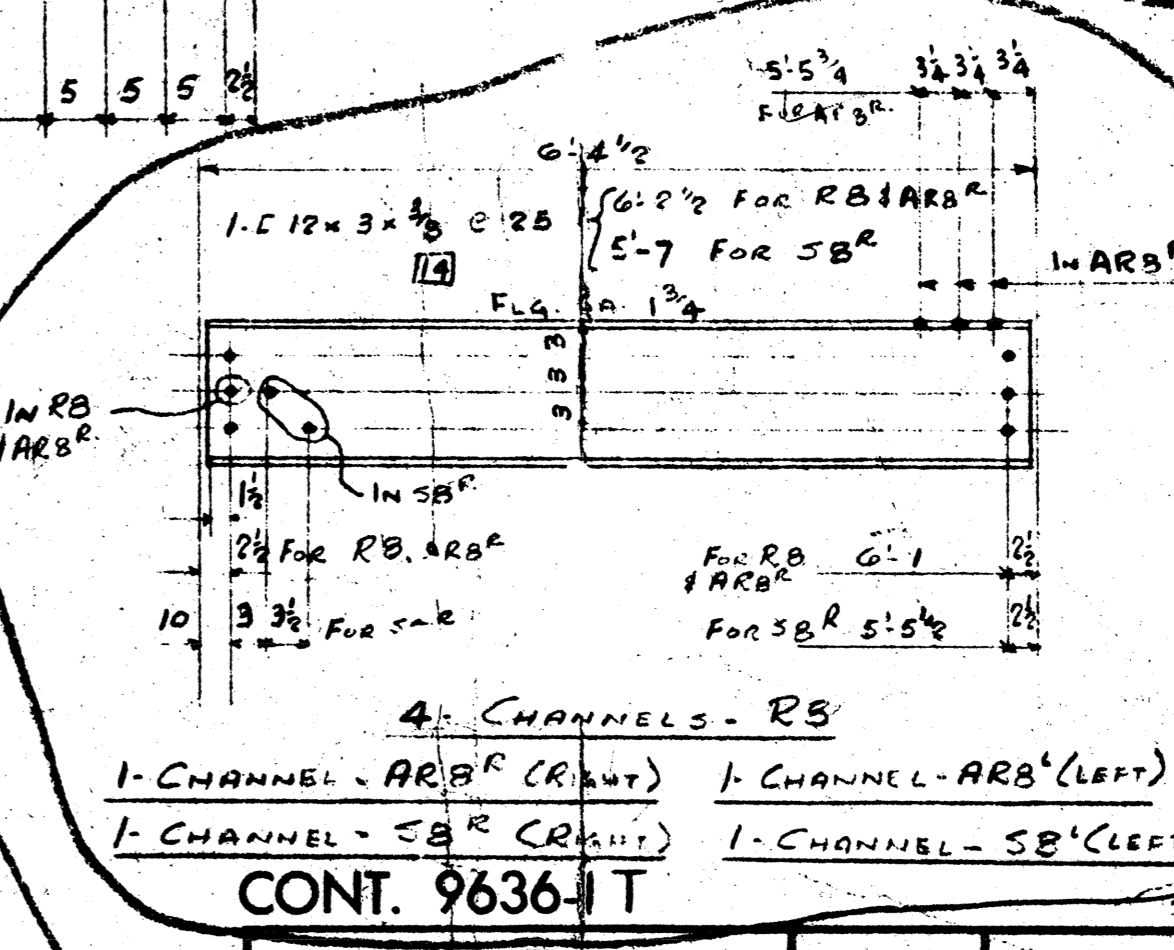
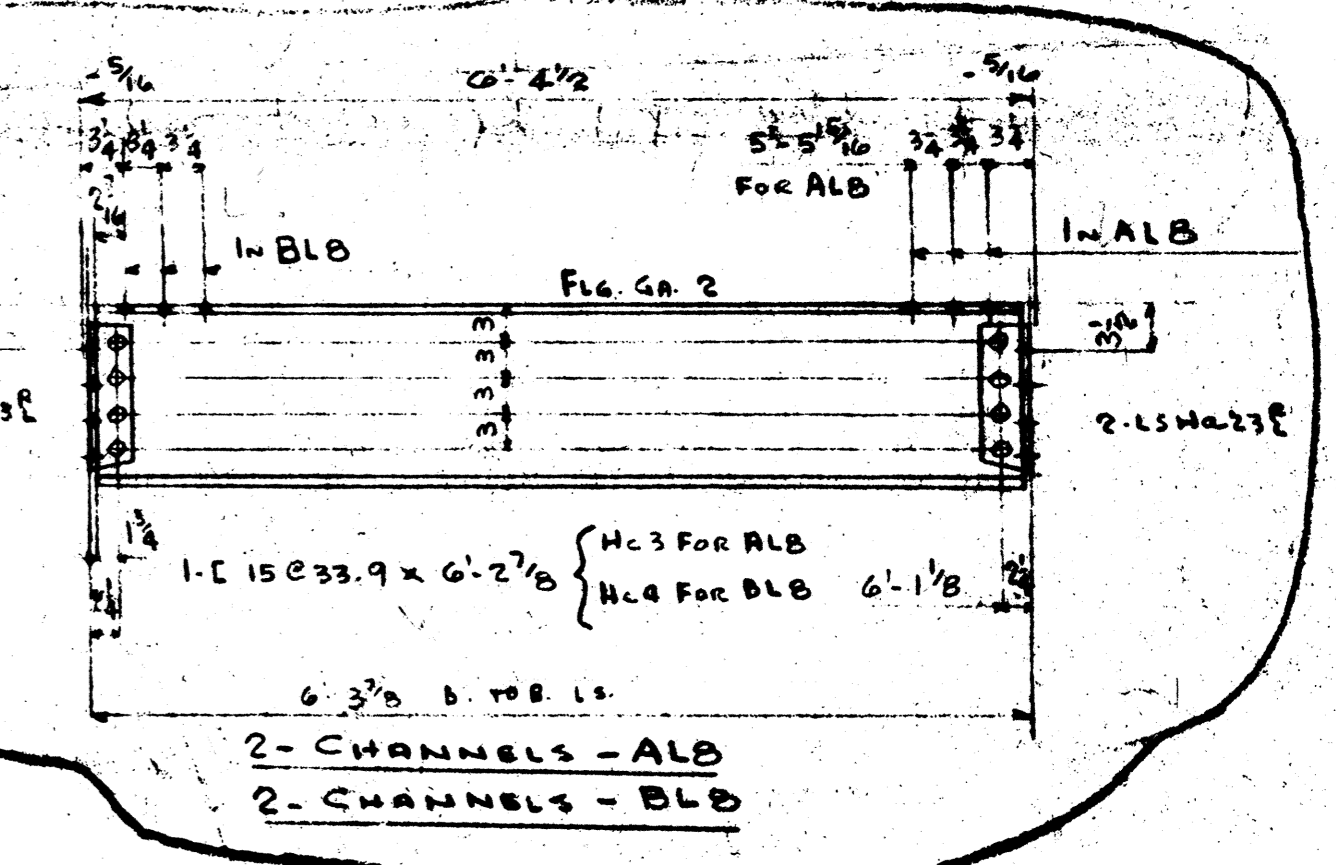
Bridge & Tank
Company of Canada Limited
HAMILTON BRIDGE DIVISION HAMILTON, ONTARIO
MADE BY: SEYMOUR STANTON COMPANY, ARLINGTON, MASS. CONTRACT 9636-1T
CHECKED: R.H. STARTER COMPLETED: 11/11/59 CONTRACT ORDER NO. 9636-1T DRAWING NO. 7

SHOP BILLS A, B, C NORTH
D, E, F SOUTH

Nov. 27/59



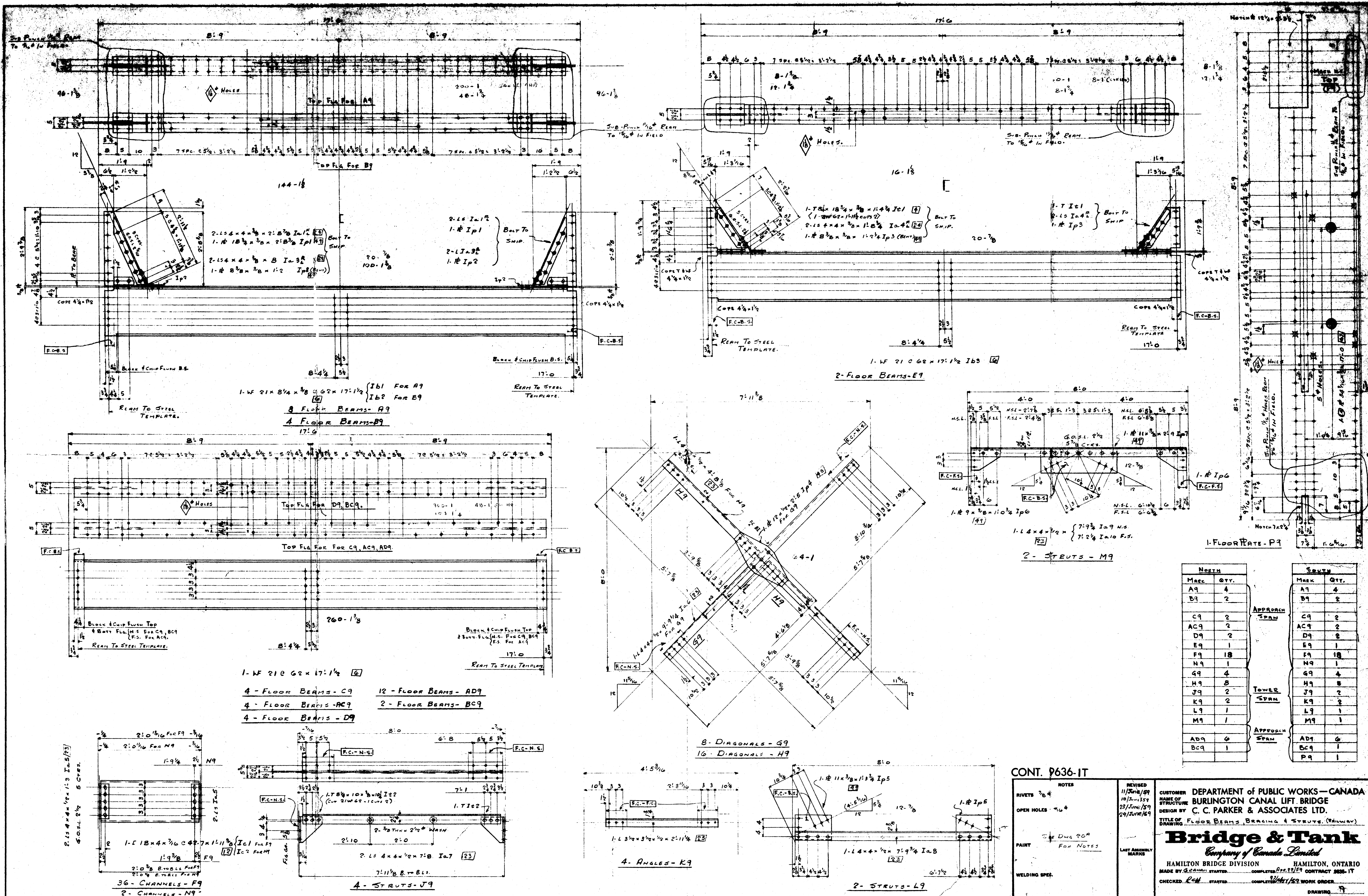
1-BEAM - CB
 1-BEAM - DE
 1-BEAM - EB
 1-BEAM - FB
 1-BEAM - GB
 1-BEAM - HB
 } RIGHT SHOWN
 } LEFT WANTED



NORTH TOWER		SOUTH TOWER	
MARK	QTY	MARK	QTY
AB	1	BB	1
CB	1	FB	1
DB	1	GB	1
EB	1	HB	1
JB	1	JB	1
LB	2	LB	2
MB	2	MB	2
NB	1	NB	1
PB	2	PB	2
QB	2	QB	2
RB	2	RB	2
SB	1	SB	1
KB	1	TB	1
ALB	1	ALB	1
BLB	1	BLB	1
AMB	1	AMB	1
ARB	1	ARB	1

CONT. 9636-IT

DEPARTMENT OF PUBLIC WORKS - CANADA
 BURLINGTON CANAL LIFT BRIDGE
 C. C. PARKER & ASSOCIATES LTD.
 BEAM DETAIL - NORTH & SOUTH TOWER STEELS
Bridge & Tank
 Company of Canada Limited
 HAMILTON BRIDGE DIVISION HAMILTON, ONTARIO
 MADE BY: CONTRACT NO. 151 CONTRACT 966-11
 CHECKED BY: DATE: CONTRACT WORK ORDER NO.:
 SHOP BILLS ABC DEF



NORTH		SOUTH	
MARK	QTY.	MARK	QTY.
A9	4	A9	4
B9	2	B9	2
APPROACH SPAN			
C9	2	C9	2
AC9	2	AC9	2
D9	2	D9	2
E9	1	E9	1
F9	18	F9	18
M9	1	M9	1
G9	4	G9	4
H9	8	H9	8
J9	2	J9	2
K9	2	K9	2
L9	1	L9	1
M9	1	M9	1
TOWER SPAN			
AD9	6	AD9	6
BC9	1	BC9	1
APPROACH SPAN			
AD9	6	AD9	6
BC9	1	BC9	1
P9	1	P9	1

CONT. P636-1T

NOTES

RIVETS 7/8"

OPEN HOLES 1/4"

PAINT Dug 20" For Notes

WELDING SPEC.

REVISIONS

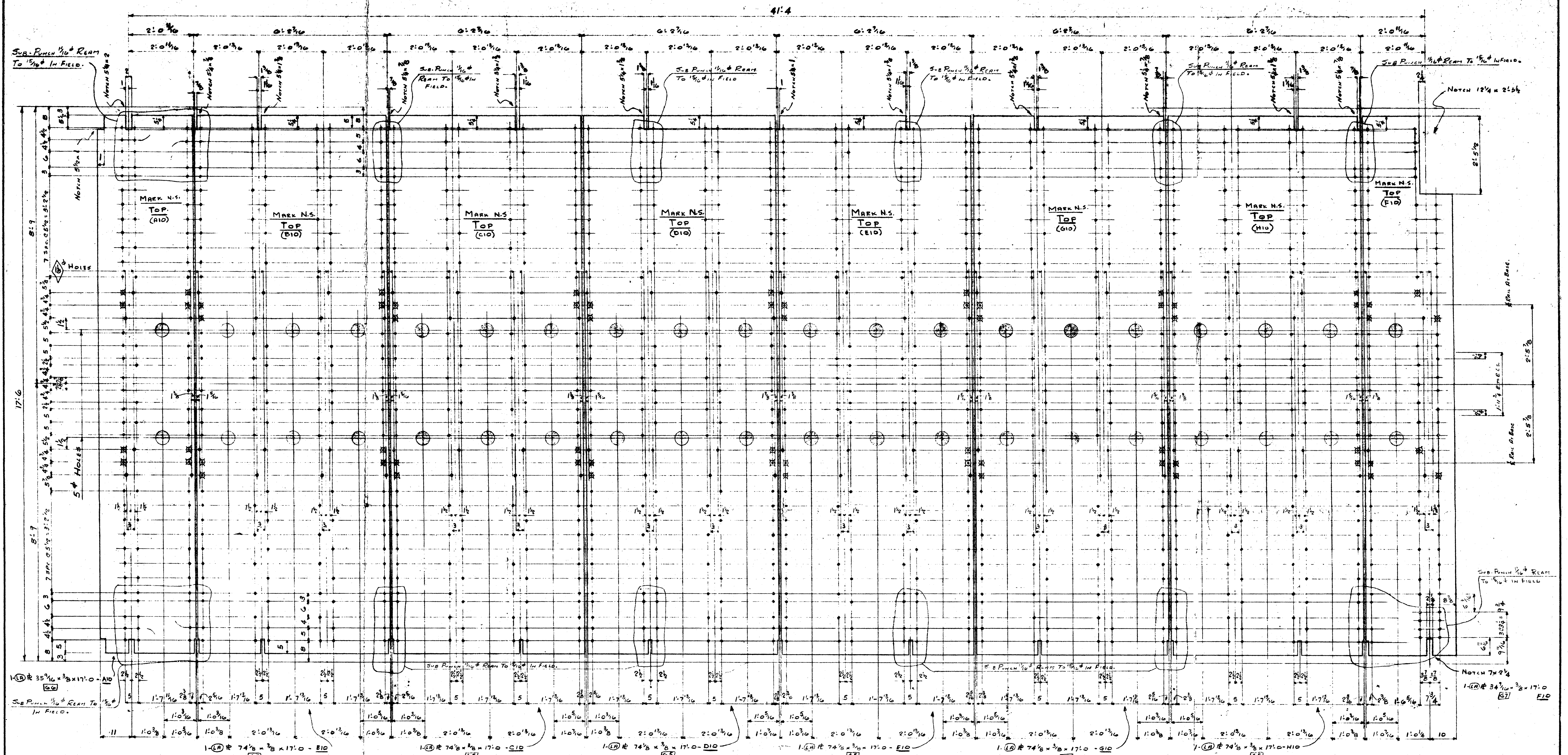
11/20/87
12/15/87
02/10/89
09/20/89

CUSTOMER DEPARTMENT OF PUBLIC WORKS—CANADA
NAME OF STRUCTURE BURLINGTON CANAL LIFT BRIDGE
DESIGN BY C. C. PARKER & ASSOCIATES LTD.
TITLE OF DRAWING FLOOR BEAMS BRACING & STRUTS (RAILWAY)

Bridge & Tank
 Company of Canada Limited

HAMILTON BRIDGE DIVISION HAMILTON, ONTARIO
 MADE BY: [] STARTED: [] COMPLETED: [] CONTRACT NO.: IT
 CHECKED: R.M. STARTED: [] COMPLETED: [] WORK ORDER: []

SHOP BILLS DRAWING: []

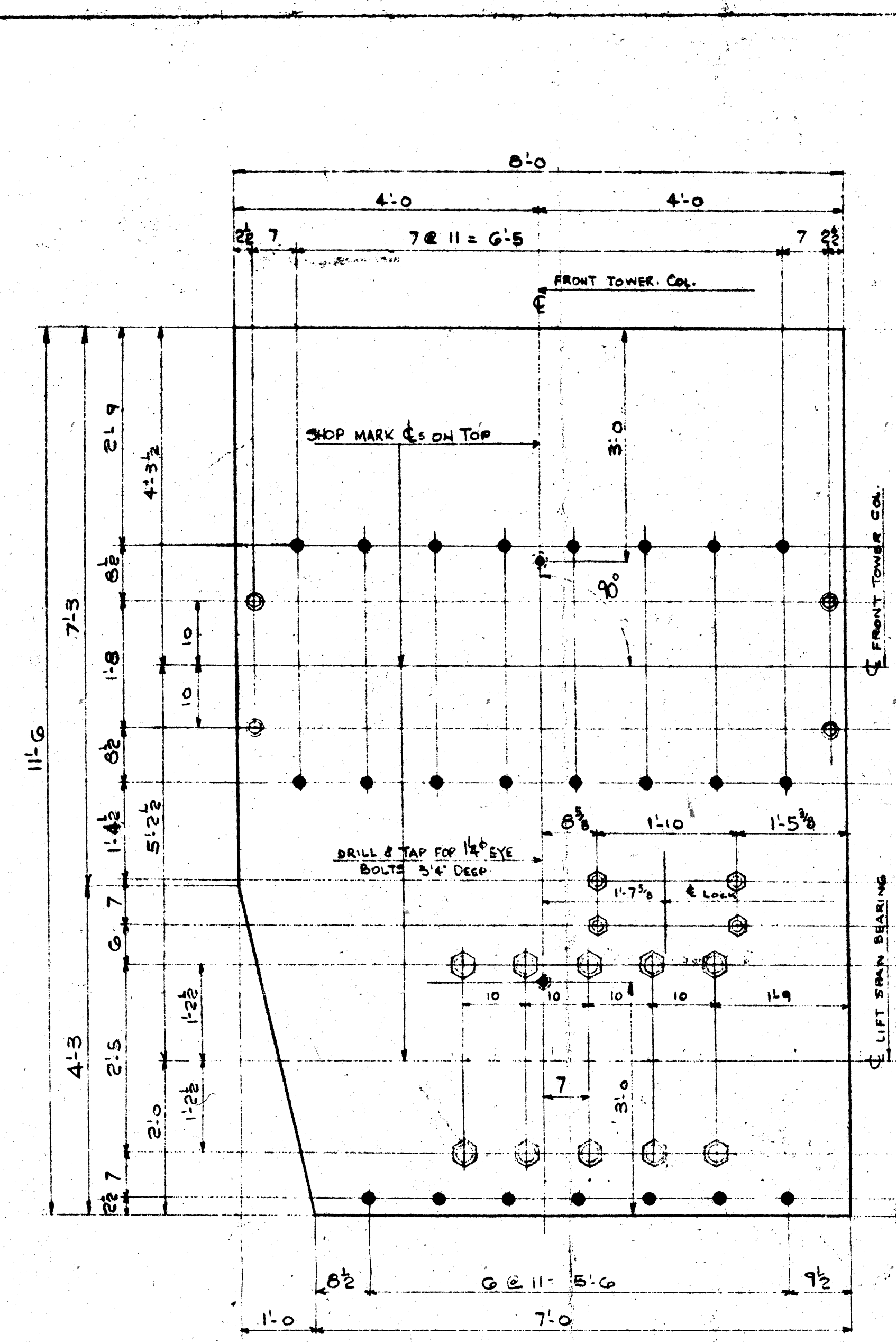


- 2- DECK PLATES - A10
- 2- DECK PLATES - B10
- 2- DECK PLATES - C10
- 2- DECK PLATES - G10
- 2- DECK PLATES - D10
- 2- DECK PLATES - E10
- 1- DECK PLATE - F10
- 2- DECK PLATES - H10

NORTH APPROACH		SOUTH APPROACH	
MARK	QTY	MARK	QTY
A10	1	A10	1
B10	1	B10	1
C10	1	C10	1
D10	1	D10	1
E10	1	E10	1
F10	1	G10	1
G10	1	H10	1
H10	1		

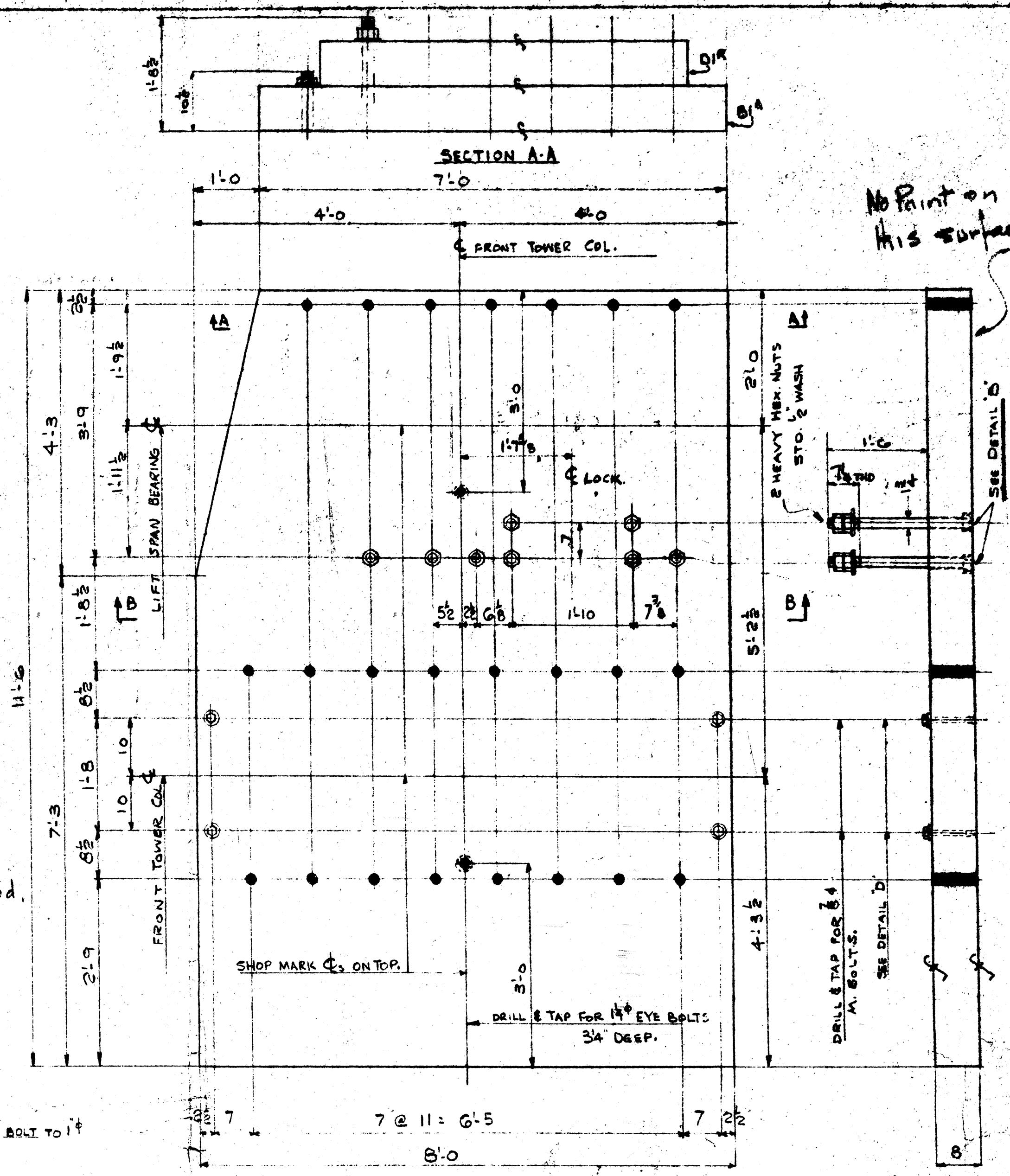
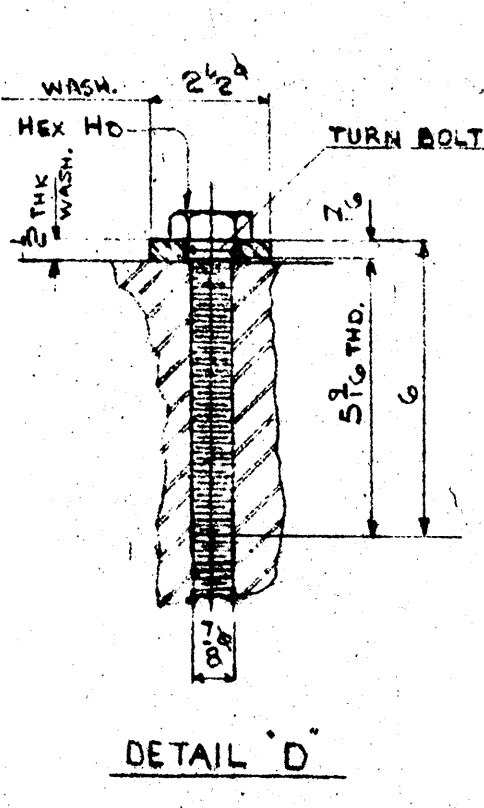
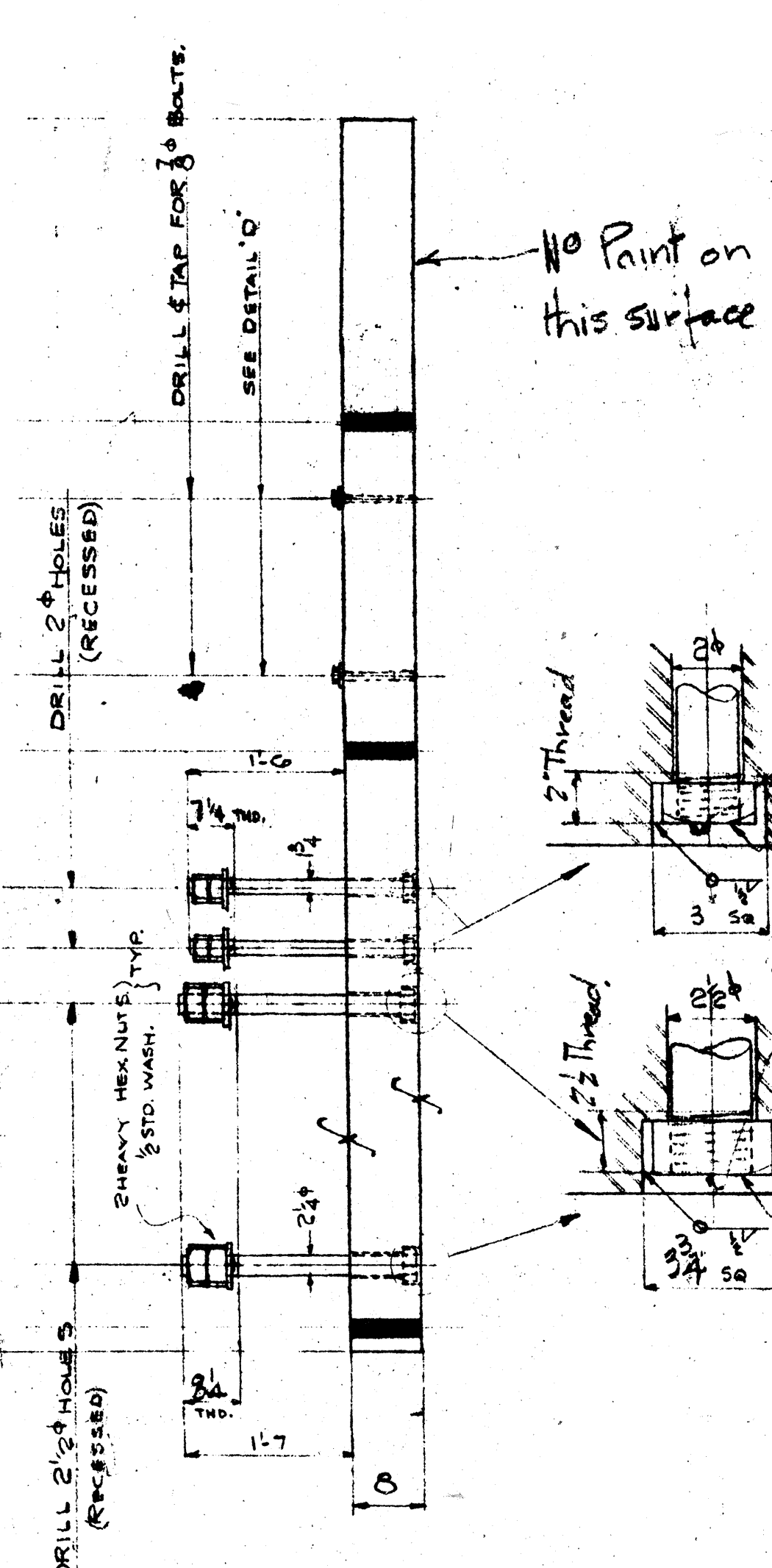
CONT. 9636-1T

NOTES RIVETS — OPEN HOLES 1 1/2" OR NOTED PUNCH FULL SIZE PAINT SEE DWG 20P OR NOTES WELDING SPL.	REVISED 18/7-1/54 23/June/59 29/June/59	CUSTOMER DEPARTMENT OF PUBLIC WORKS—CANADA NAME OF STRUCTURE BURLINGTON CANAL LIFT BRIDGE DESIGN BY C. C. PARKER & ASSOCIATES LTD. TITLE OF DRAWING RAILWAY FLOOR PLATES—NORTH & SOUTH APPROACH
	LAST ASSEMBLY MARKS	Bridge & Tank Company of Canada Limited HAMILTON BRIDGE DIVISION HAMILTON, ONTARIO MADE BY G.S.M.M. STARTED..... COMPLETED APR. 1959 CONTRACT 9636-1T CHECKED R.C.H. STARTED..... COMPLETED..... CONTRACT ORDER.....
	SHOP BILLS	
	DRAWING 10	



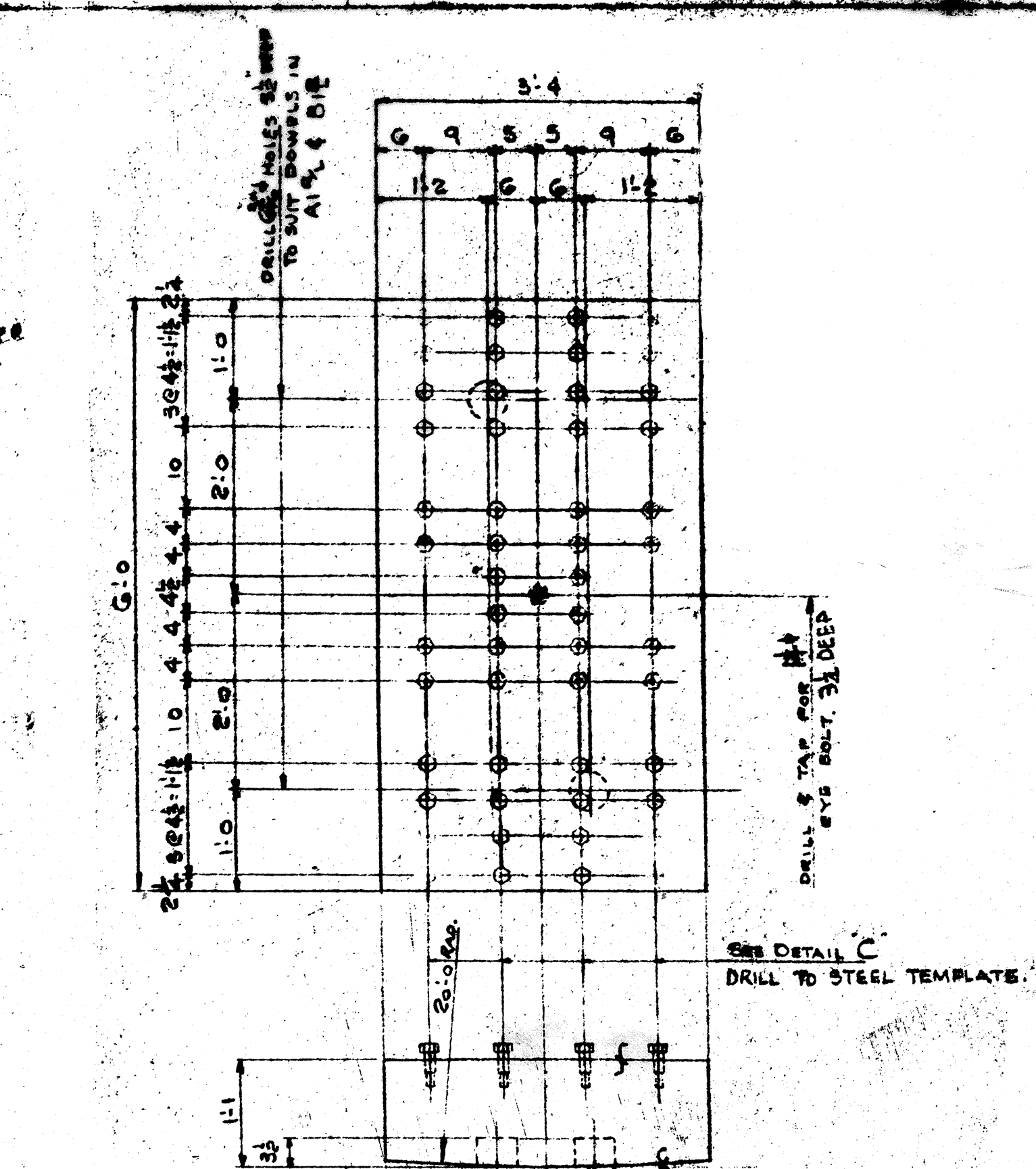
1-SLAB 96 x 8 x 11'-6" A1^R (FIN FROM 8 1/2) [1]
 10-Rods: 2 1/4" x 2'-2", 2 1/2" NUTS 2 HEX. NUTS EA. (HEAVY)
 10-WASH 4 1/2" x 1/2" THK FOR 2 1/4" BOLTS, 2 3/8" HOLE IN CENTER
 4-Rods: 1 3/4" x 2'-1", 2 1/2" NUTS 2 HEX. NUTS EA. (HEAVY) 4 SHOULDER BOLTS 1" x 6" HEX. HD.
 4 WASH 4 1/2" x 1/2" THK FOR 1 3/4" BOLTS 1 3/8" HOLE IN CENTER 4 WASH 2 1/4" x 1/2" THK FOR 1" BOLT.

1-BASE SLAB A1^R (RIGHT) 1-BASE SLAB A1^L (LEFT)
 (FIXED END)

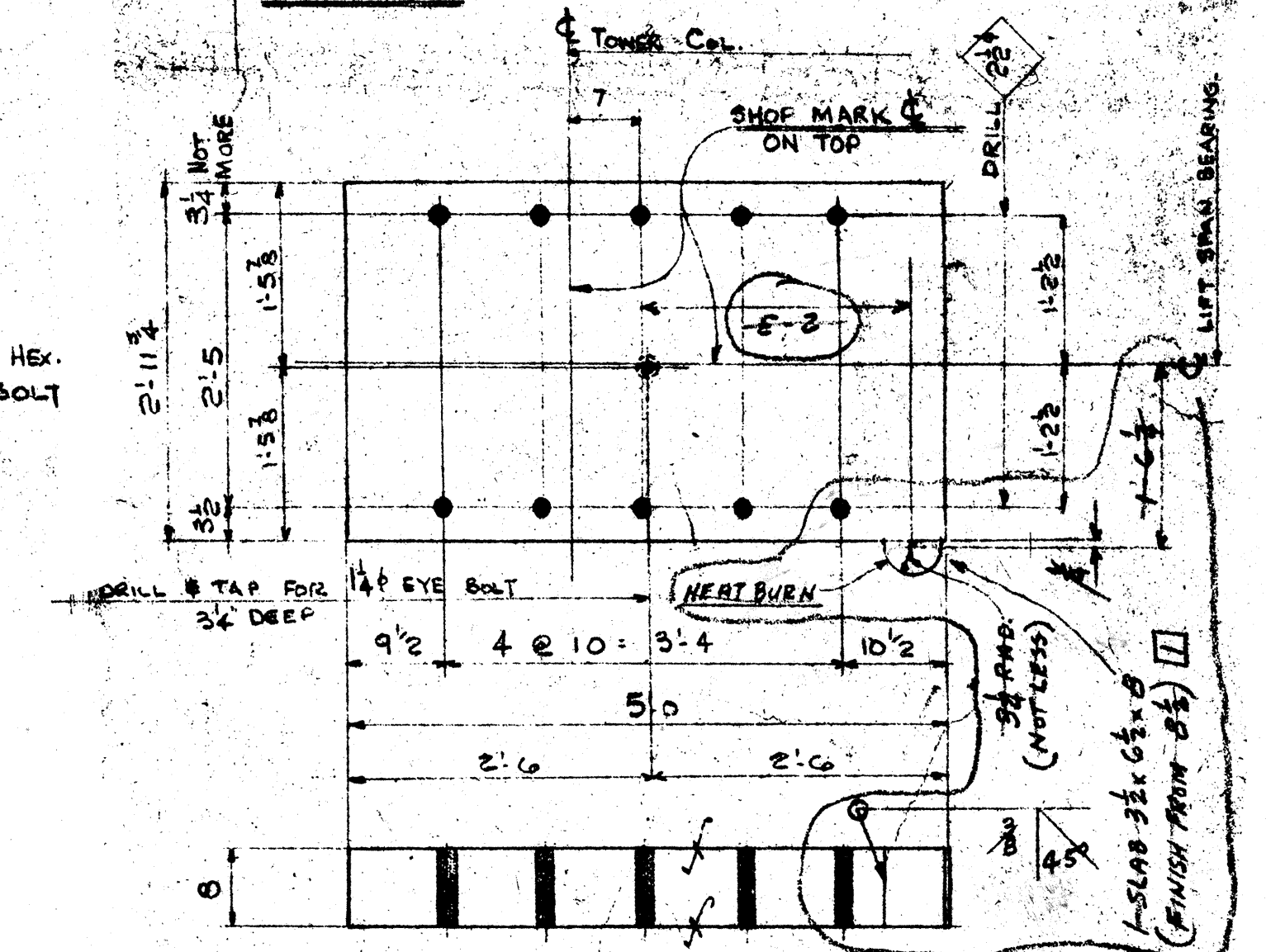


1-SLAB 96 x 8 x 11'-6" A2^R (FIN FROM 8 1/2) [1]
 4-Rods: 1 3/4" x 2'-2", 2 1/2" NUTS 2 HEAVY HEX. NUTS EA.
 8-4 1/2" x 1/2" THK WASH-1 3/8" HOLE IN CENTER FOR 1 3/4" BOLT, 4 SHOULDER BOLTS 1" x 6" HEX.
 4-Rods: 1 3/4" x 1'-7", 2 1/2" NUTS 2 HEAVY HEX. NUTS EA. 4 2 1/4" x 1/2" WASH FOR 1" BOLT

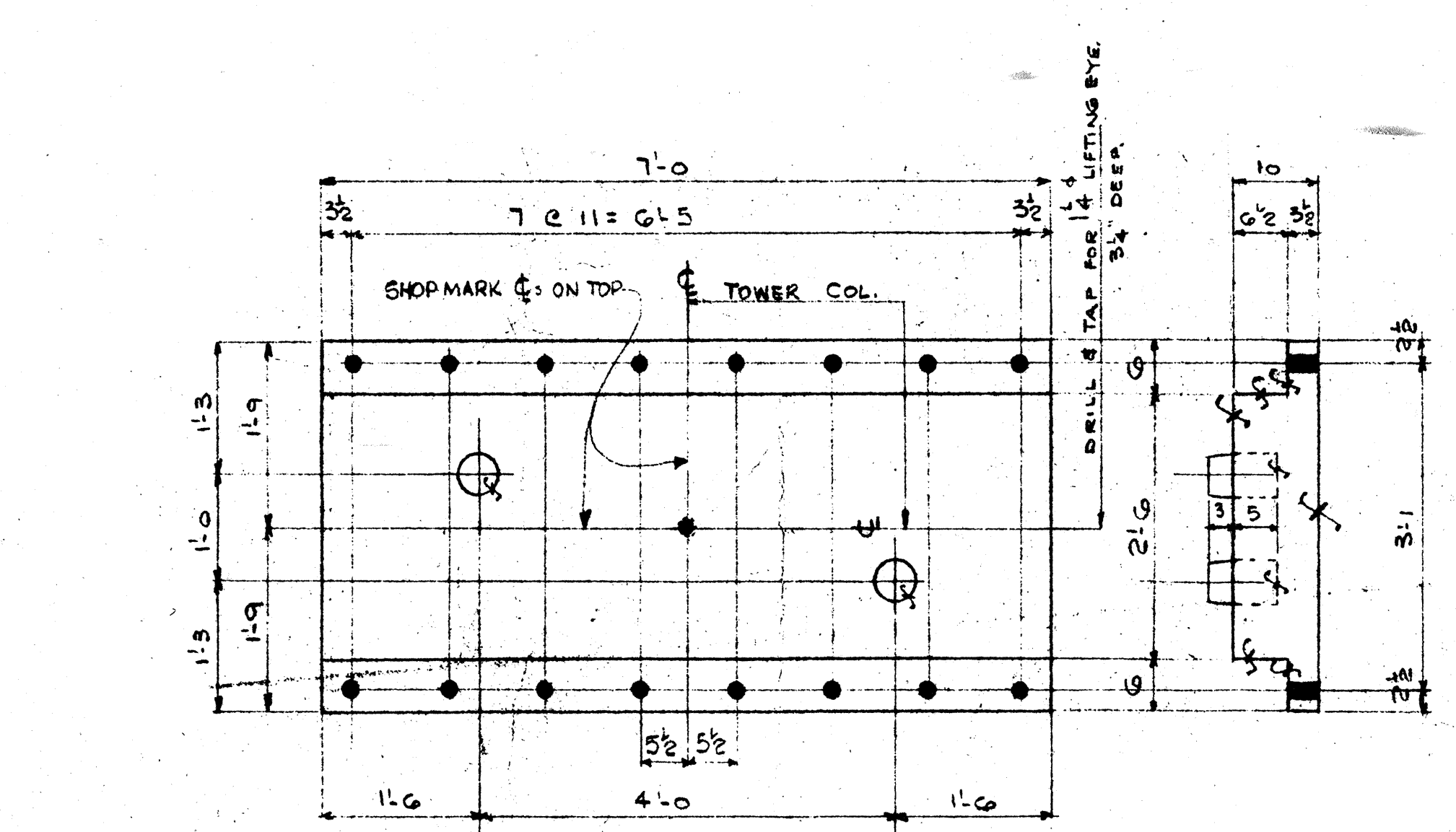
1-BASE SLAB B1^R (RIGHT) 1-BASE SLAB B1^L (LEFT)
 (EXPANSION END)



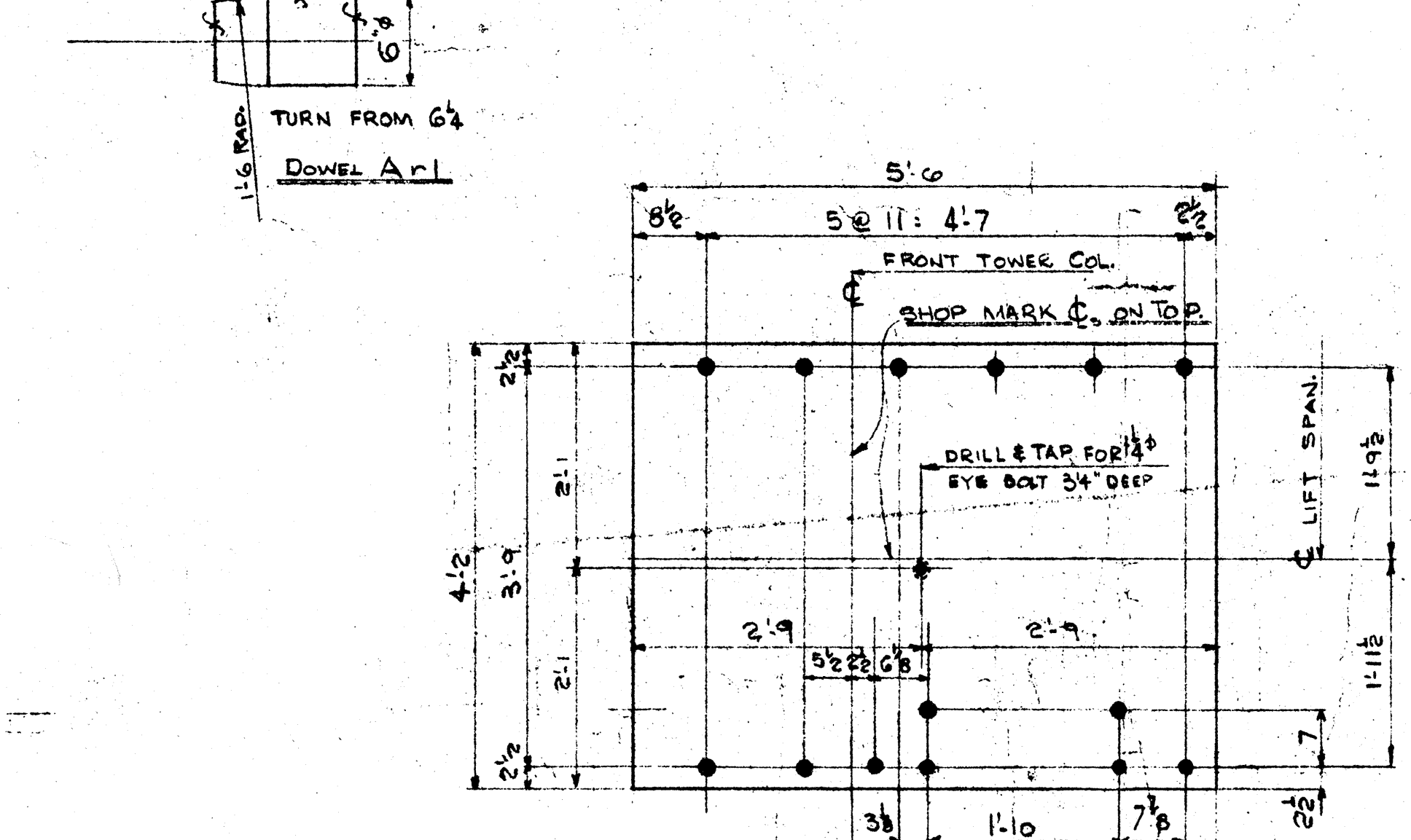
NOTE: THESE BASE SLABS TO BE SHIPPED IN PLACE ON COLS A20, B20, C20, D20. SEE DRAW. 20A
 1-SLAB (LA) 40 x 8 x 11'-0" A4 (FIN FROM 13 1/4)
 44-TURNED BOLTS 1 1/2" x 3/4" HEX. HD.
 2-BASE SLABS G1^R (RIGHT)
 2-BASE SLABS G1^L (LEFT)



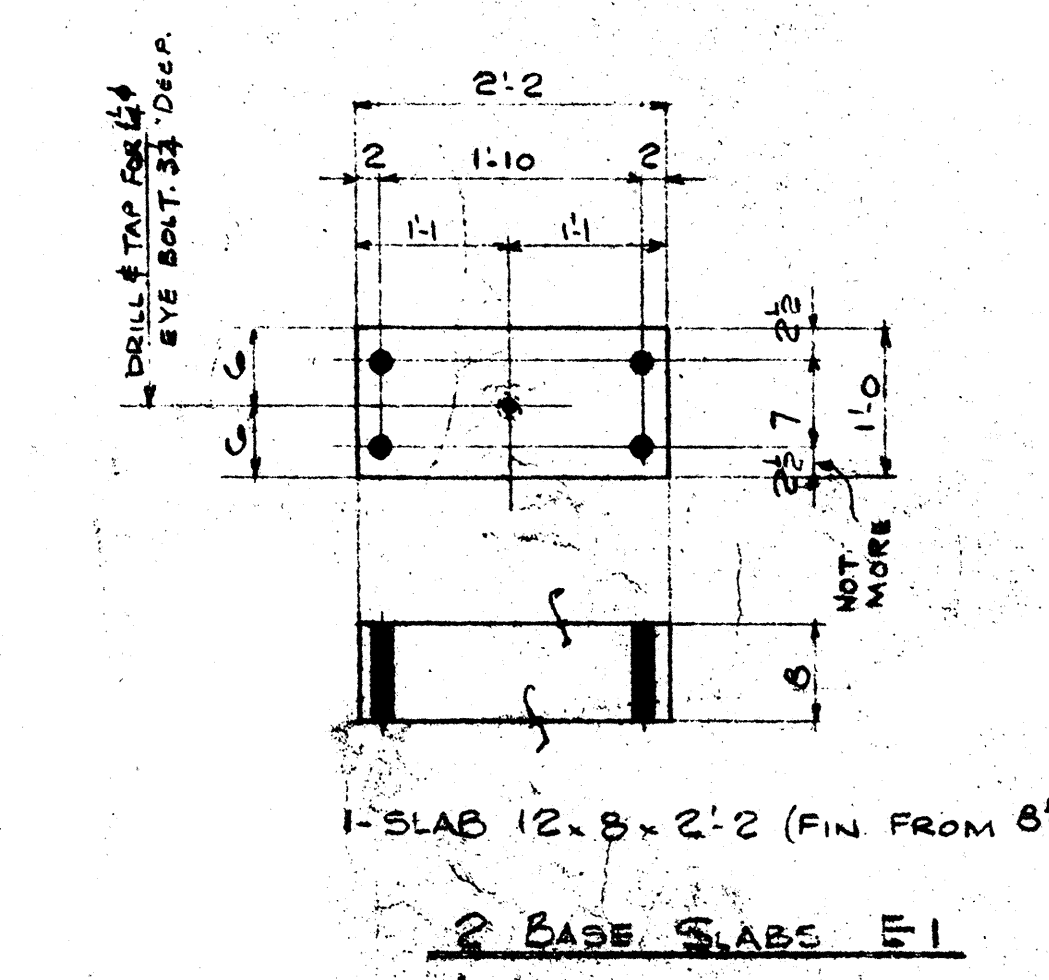
1-SLAB 35 3/4 x 8 x 5'-0" (FIN FROM 8 1/2) [4]
 1-BASE SLAB F1^R (RIGHT)
 1-BASE SLAB F1^L (LEFT)



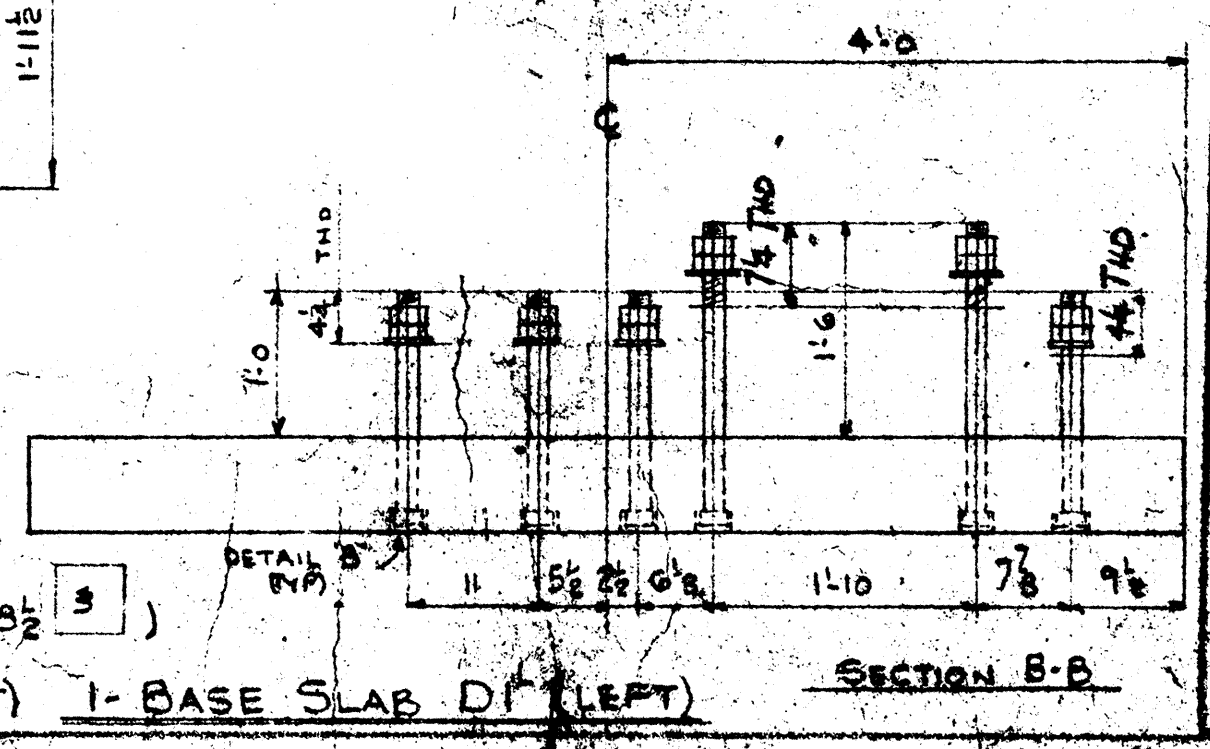
1-SLAB (LA) 42 x 10 x 7'-0" A3 (FIN FROM 10 1/2) [2]
 2-DOWELS 6" x 8" A1 (FIN FROM 8 1/2) [18]
 2-BASE SLABS C1^R (RIGHT)
 2-BASE SLABS C1^L (LEFT)



1-SLAB 50 x 8 x 5'-6" (FIN FROM 8 1/2) [3]
 1-BASE SLAB D1^R (RIGHT) 1-BASE SLAB D1^L (LEFT)



1-SLAB 12'-8" x 2'-2" (FIN FROM 8 1/2) [5]
 2-BASE SLABS E1



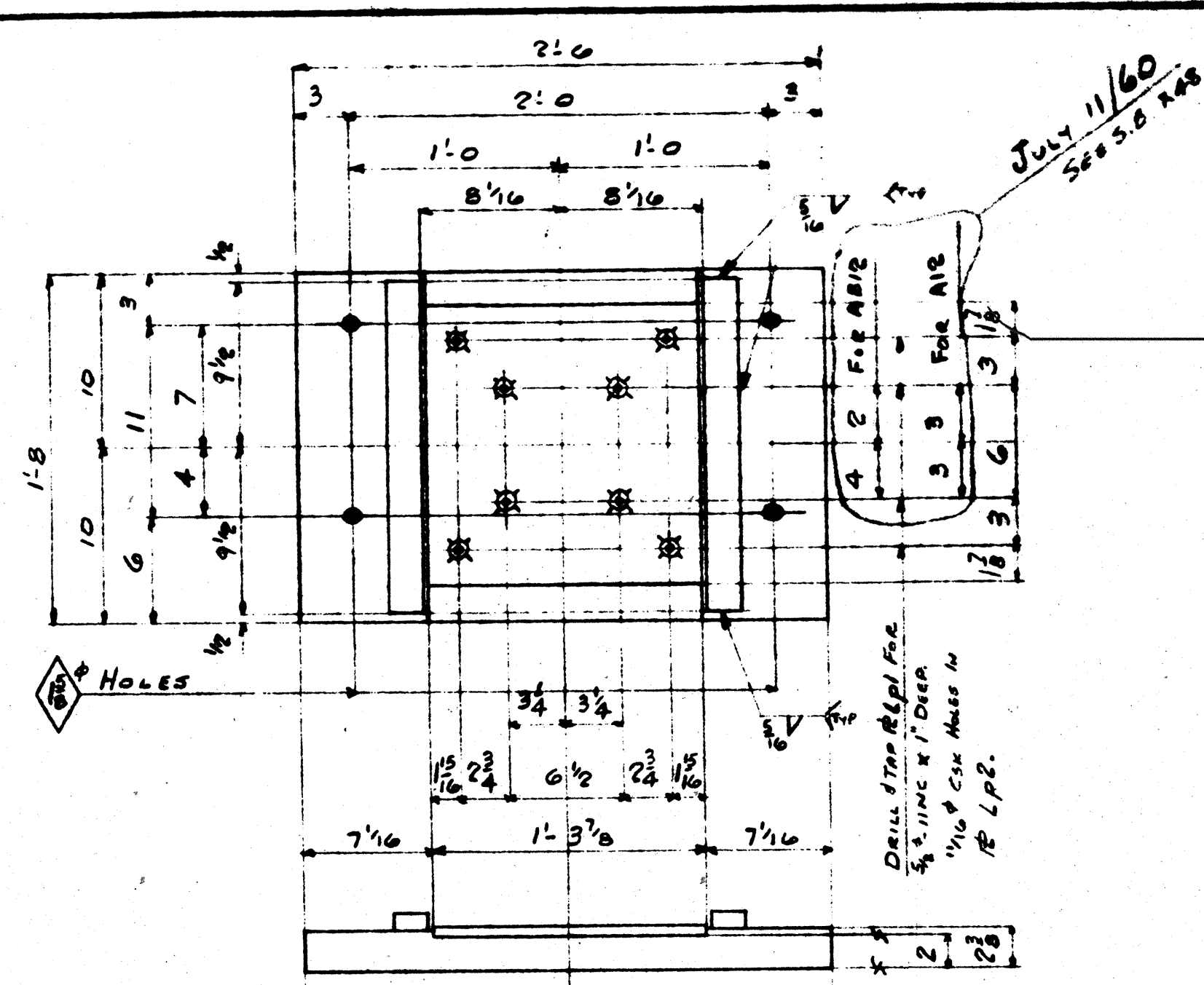
REVISIONS	NOTES
APR 17 1957	2 DRILLED OR NOTED.
MAY 2 1957	
JUNE 11 1957	
SEP 11 1957	
	PAINT 1 Coat - 1/2" MA. except underside of Slab A1 ^R , B1 ^R
	WELDING SPEC. CSA W 47 W 59
	SHOP BILL 5-1-5, 5, 15

CONT 9636-1

CUSTOMER DEPARTMENT OF PUBLIC WORKS CANADA
 NAME OF STRUCTURE BURLINGTON CANAL LIFT BRIDGE
 DESIGN BY C. C. PARKER & ASSOCIATES LTD.
 DRAWING NO. BASE SLABS

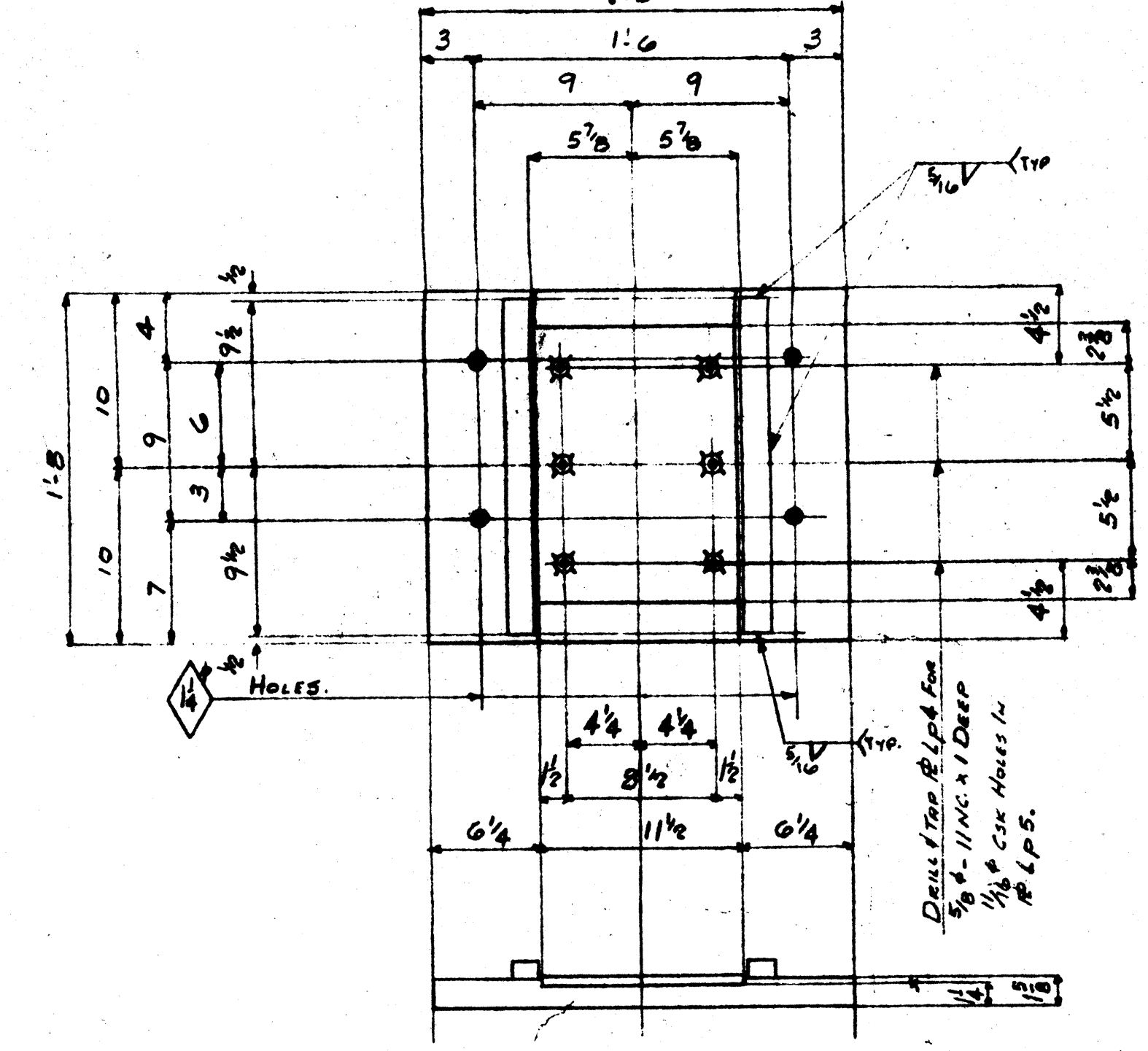
Bridge & Tank
 Company of Canada Limited

HAMILTON BRIDGE DIVISION HAMILTON, ONTARIO
 MADE BY T.M.P. CONTRACT 1658-15
 APPROVED BY CONTRACT ORDER



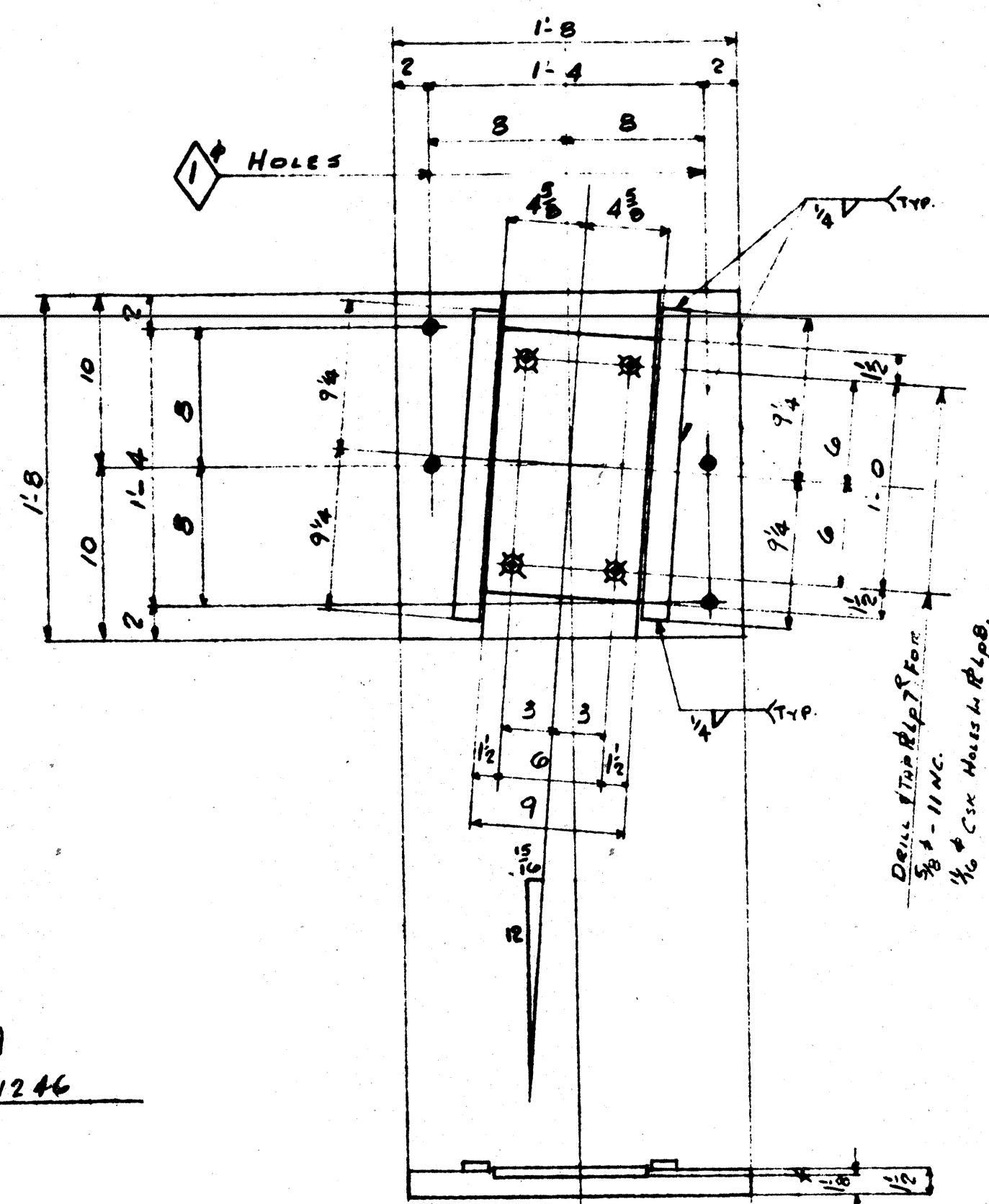
- 1- SLAB 20 x 2 3/8 x 2:6 Lp1 (Fin from 2 1/2) [37]
- 1- BRONZE # 15 3/4 x 1/2 x 1:3 3/8 Lp2 - REOW No 61246
- 2- BARS 2 x 1 x 1:7 Lp3 [37A]
- 8- 3/8" Flat Hd. CAP SCREWS x 1 1/4 L6 (BRONZE)

3- 4- BASE PLATES - A12
1- BASE PLATE - AB12



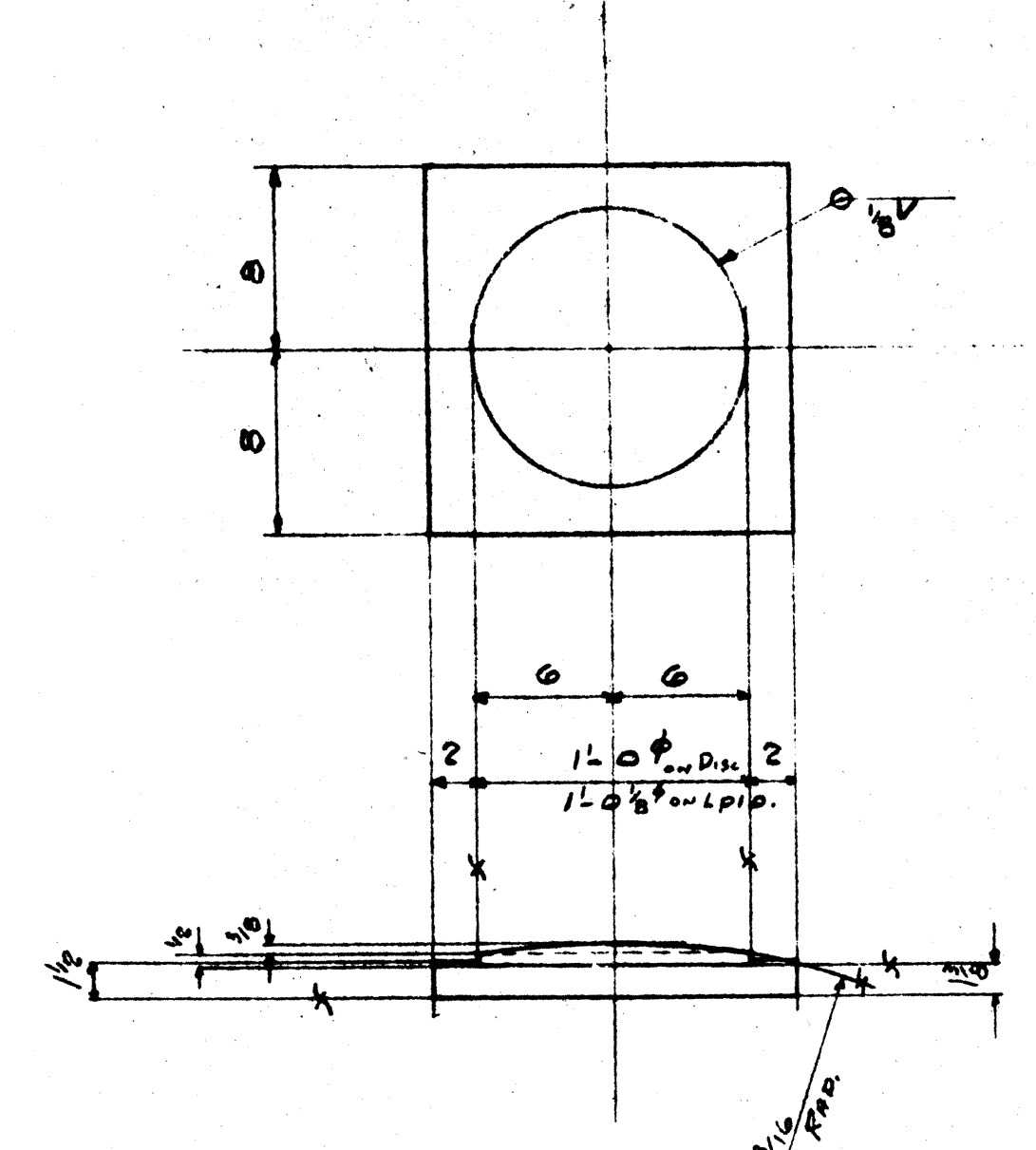
- 1- # 20 x 1 1/2 x 2:0 Lp4 [41]
- 1- BRONZE # 11 1/2 x 1/2 x 1:3 3/8 Lp5 REOW No 61246
- 2- BARS 1 1/2 x 1 x 1:7 Lp6 [37A]
- 6- 3/8" Flat Hd. CAP SCREWS x 1 1/4 L6 (BRONZE)

10- BASE PLATES - B12



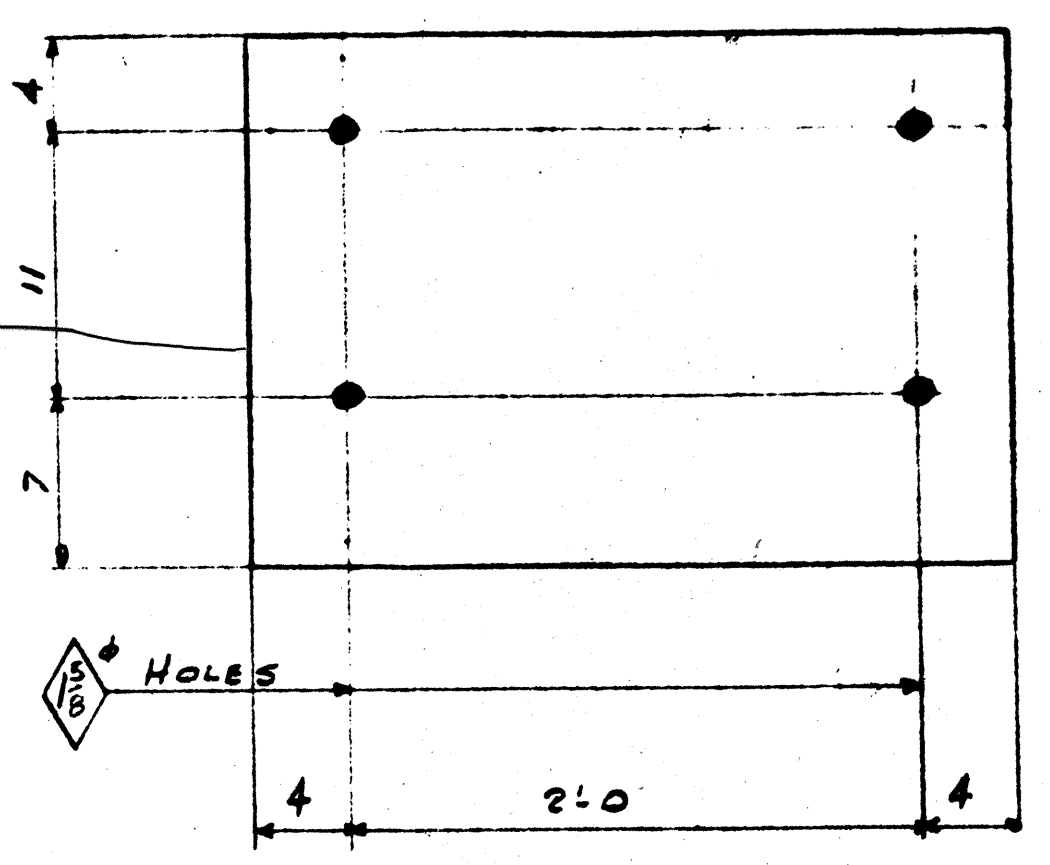
- 1- # 20 x 1 1/2 x 1:8 Lp7^R
- 1- BRONZE # 9 x 1/2 x 1:5 Lp8 - REOW No 61246
- 2- BARS 1 1/2 x 1/2 x 1:6 1/2 Lp9
- 4- 5/8" Flat Hd. CAP SCREWS x 1 1/4 L6 (BRONZE)

1- BASE PLATE - C12^R (RIGHT)
1- BASE PLATE - C12^L (LEFT)



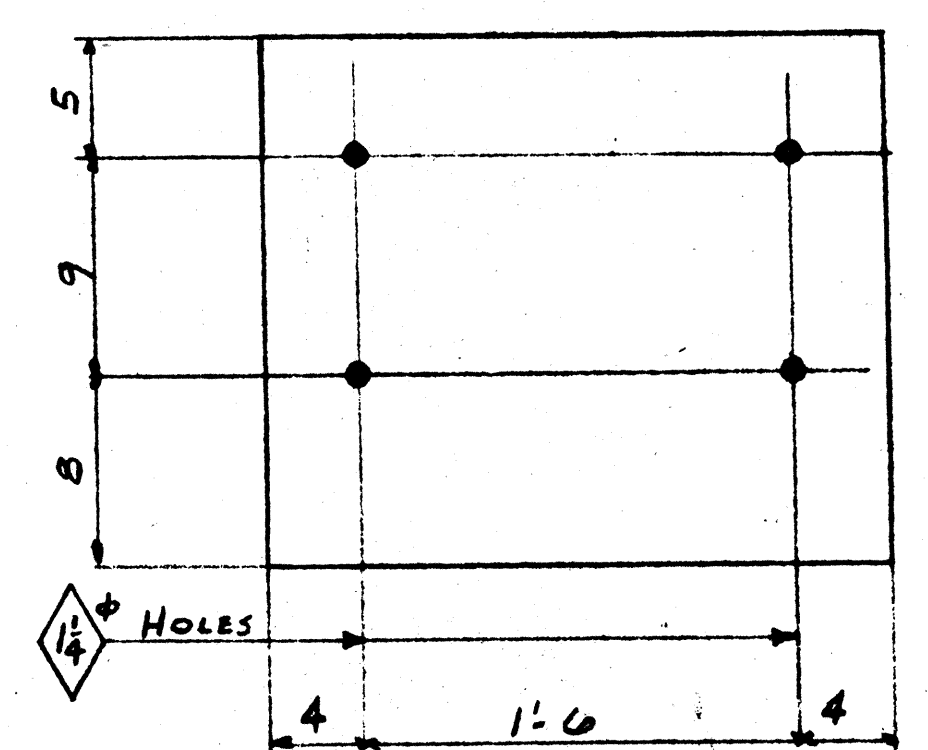
- 1- # 10 x 1 1/2 x 1:4 Lp10 (Fin from 1 1/4) [41]
- 1- Disc 12" x 3/8" THK. Lp11 (Fin from 1 1/4) [41]

4- SLIDING BASE PLATES - D12



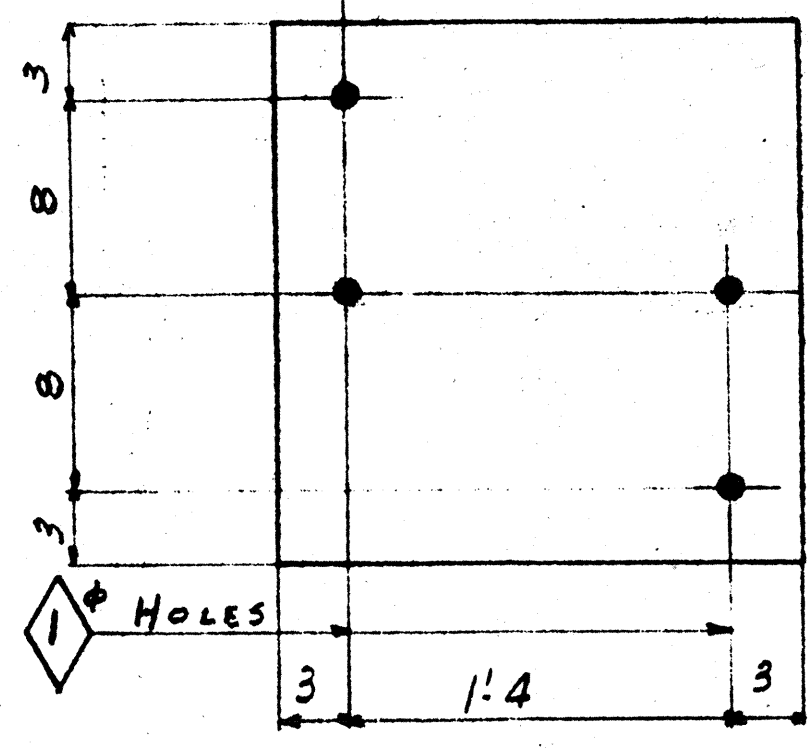
1- P. LEAD 22 x 1/8 x 2:8
REOW No 61259, 61247, 58449

4- LEAD SHEETS - E12 (NO PAINT)



1- P. LEAD 22 x 1/8 x 2:2
REOW No 61059

10- LEAD SHEETS - F12 (NO PAINT)



1- P. LEAD 22 x 1/8 x 1:10
REOW No 61247

2- LEAD SHEETS - G12 (NO PAINT)

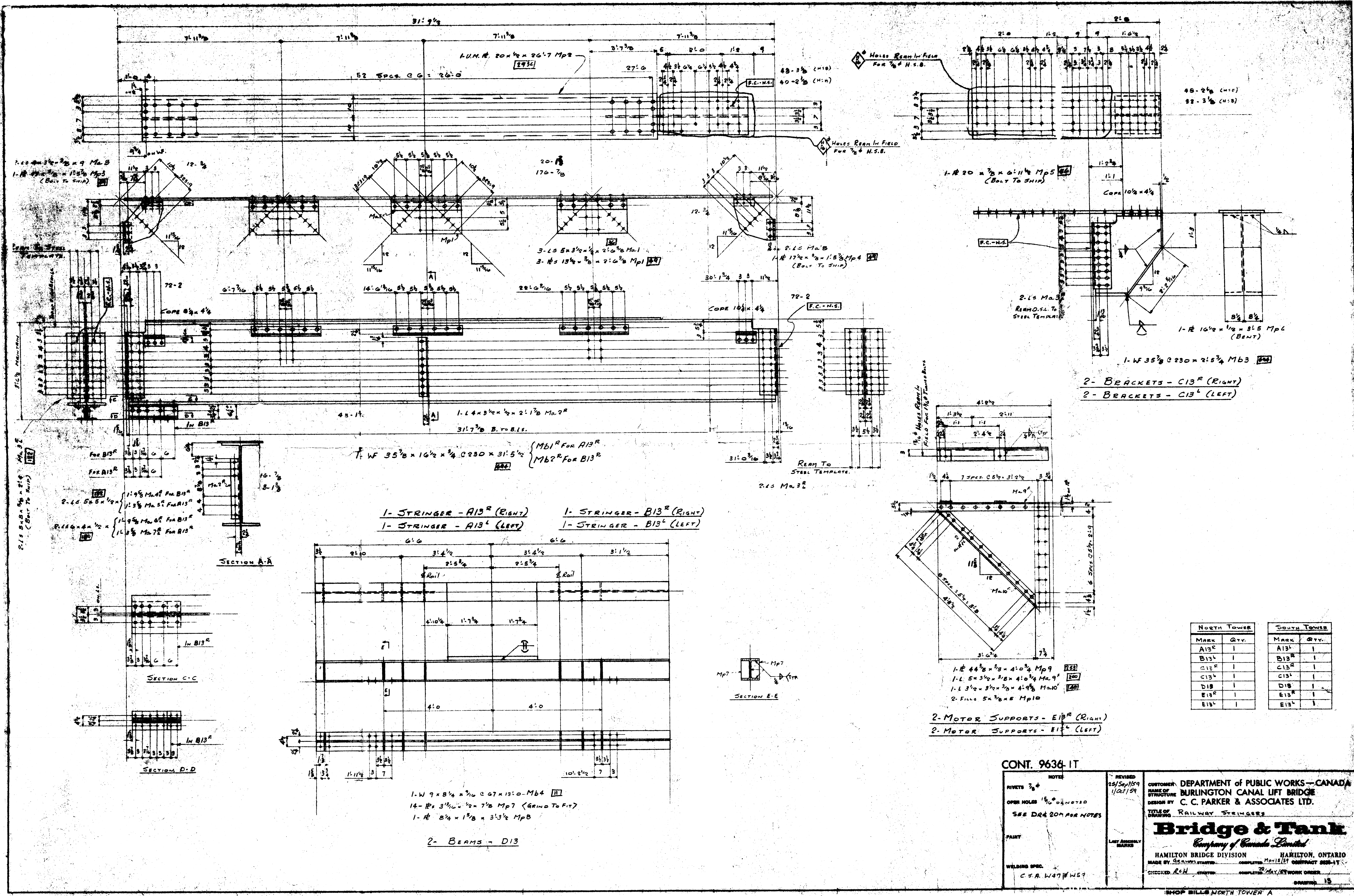
JULY 11/60

NORTH APPROVAL	
MARK	QTY
A12	2
B12	5
C12 ^R	1
D12	2
E12	2
F12	5
G12	1
AB12	1

SOUTH APPROVAL	
MARK	QTY
A12	2
B12	5
C12 ^L	1
D12	2
E12	2
F12	5
G12	1

CONT. 9636-IT

NOTES RIVETS OPEN HOLES <i>As Noted</i> PAINT <i>See Dwg 20"</i> WELDING SPEC. <i>CSA W47 & W59</i>	REVISIONS 1/1 June 59 July 11/60	CUSTOMER DEPARTMENT OF PUBLIC WORKS - CANADA BURLINGTON CANAL LIFT BRIDGE DESIGN BY C. C. PARKER & ASSOCIATES LTD. TITLE OF DRAWING BASE PLATES ETC.
	HAMILTON BRIDGE DIVISION MADE BY <i>REH</i> STARTED <i>12/12/63</i> COMPLETED <i>1/1/64</i> CONTRACT 9636-17 CHECKED <i>REH</i>	HAMILTON, ONTARIO CONTRACT 9636-17 COMPLETED <i>1/1/64</i> WORK ORDER DRAWING 12



1- STRINGER - A13^R (RIGHT)
 1- STRINGER - A13^L (LEFT)
 1- STRINGER - B13^R (RIGHT)
 1- STRINGER - B13^L (LEFT)

2- BRACKETS - C13^R (RIGHT)
 2- BRACKETS - C13^L (LEFT)

2- MOTOR SUPPORTS - E13^R (RIGHT)
 2- MOTOR SUPPORTS - E13^L (LEFT)

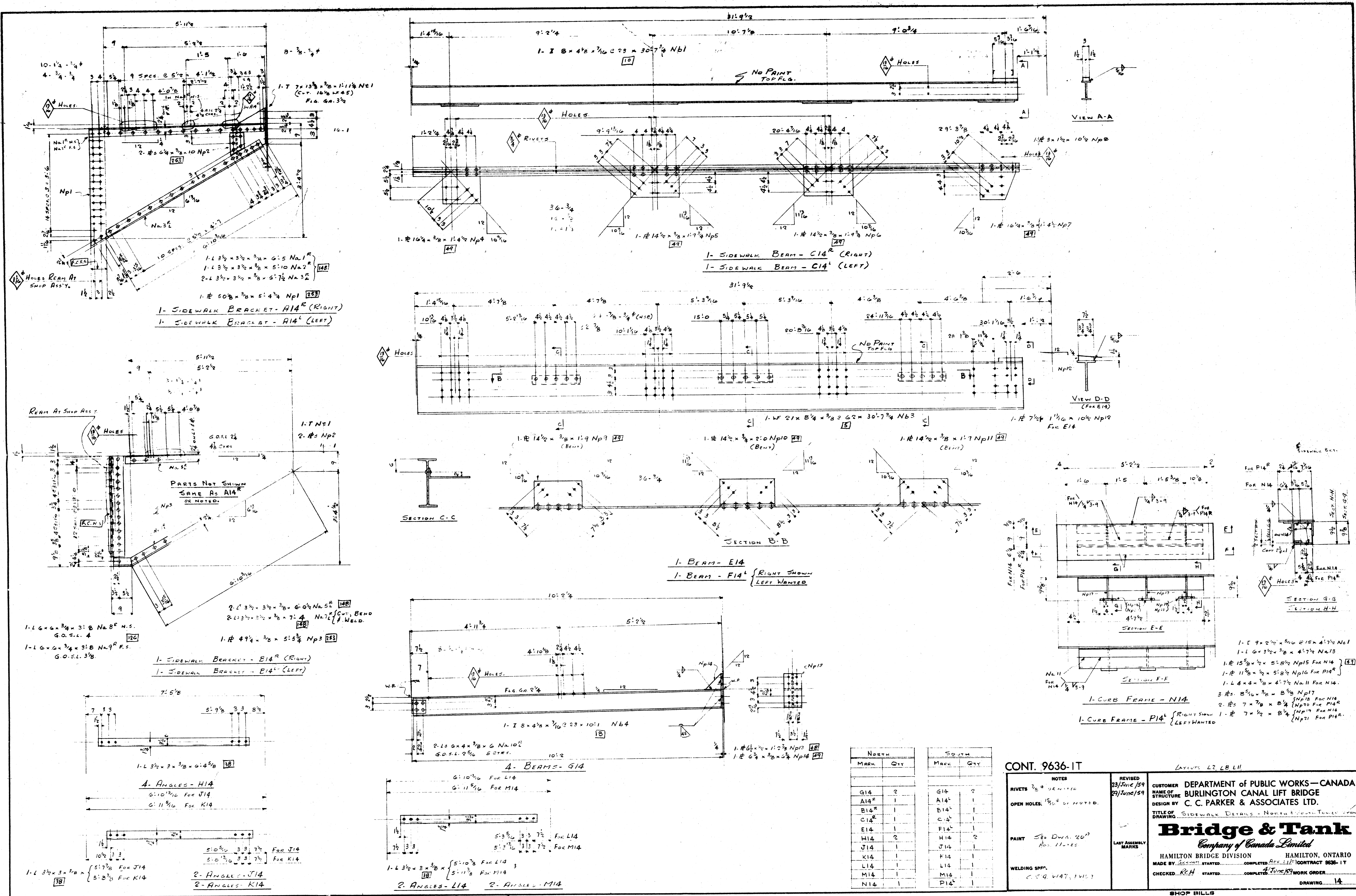
1-W 9 x 8 1/2 x 3/4 C 27 x 13.0 - M64
 14- 1/2 x 3 1/2 x 1/2 x 7 1/2 Mp7 (GRIND TO FIT)
 1- 1/2 x 1 1/2 x 3 1/2 Mp8
 2- BEAMS - D13

NORTH TOWER		SOUTH TOWER	
MARK	QTY.	MARK	QTY.
A13 ^R	1	A13 ^L	1
B13 ^R	1	B13 ^L	1
C13 ^R	1	C13 ^L	1
D13	1	D13	1
E13 ^R	1	E13 ^L	1
E13 ^L	1	E13 ^R	1

CONT. 9636-1T

NOTES	REVISED	CUSTOMER: DEPARTMENT OF PUBLIC WORKS - CANADA BURLINGTON CANAL LIFT BRIDGE DESIGN BY C. C. PARKER & ASSOCIATES LTD. TITLE OF DRAWING: RAILWAY STRINGERS
RIVETS 3/8"	26/Sep/59 11/21/59	
OPEN HOLES 1/8" UNNOTED		Bridge & Tank Company of Canada Limited HAMILTON BRIDGE DIVISION HAMILTON, ONTARIO MADE BY SEARBY STEEL CO. COMPLETE MAY 1959 CONTRACT 963-1T CHECKED R.C.H. COMPLETE MAY 1959 CONTRACT 963-1T C. C. PARKER & ASSOCIATES LTD.
SEE DRG 204 FOR NOTES		
PAINT		
WELDING SPEC.		
C. C. PARKER & ASSOCIATES LTD.		

SHOP BILLS NORTH TOWER A
 SOUTH TOWER B



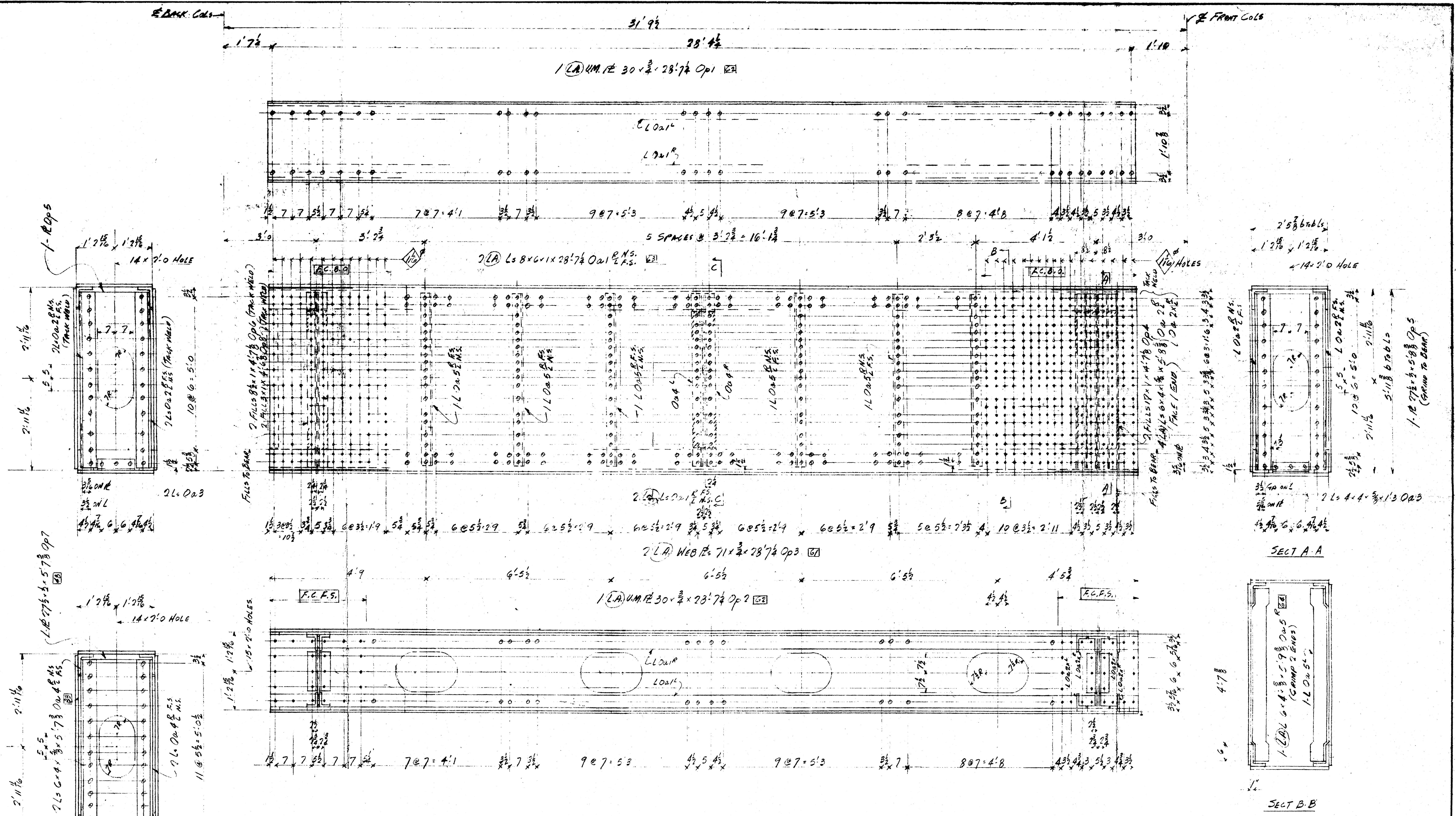
North		South	
MARK	QTY	MARK	QTY
G14	2	G14	2
A14 ^R	1	A14 ^L	1
B14 ^R	1	B14 ^L	1
C14 ^R	1	C14 ^L	1
E14	1	E14	2
H14	2	J14	1
J14	1	K14	1
K14	1	L14	1
L14	1	M14	1
M14	1	P14 ^L	1
N14	1		

CONT. 9636-1T

NOTES
 RIVETS 3/8" UNFINISHED
 OPEN HOLES: 1/8" UNFINISHED
 PAINT: See Draw. 20"
 WELDING SPEC: C. C. V. 147, 1467

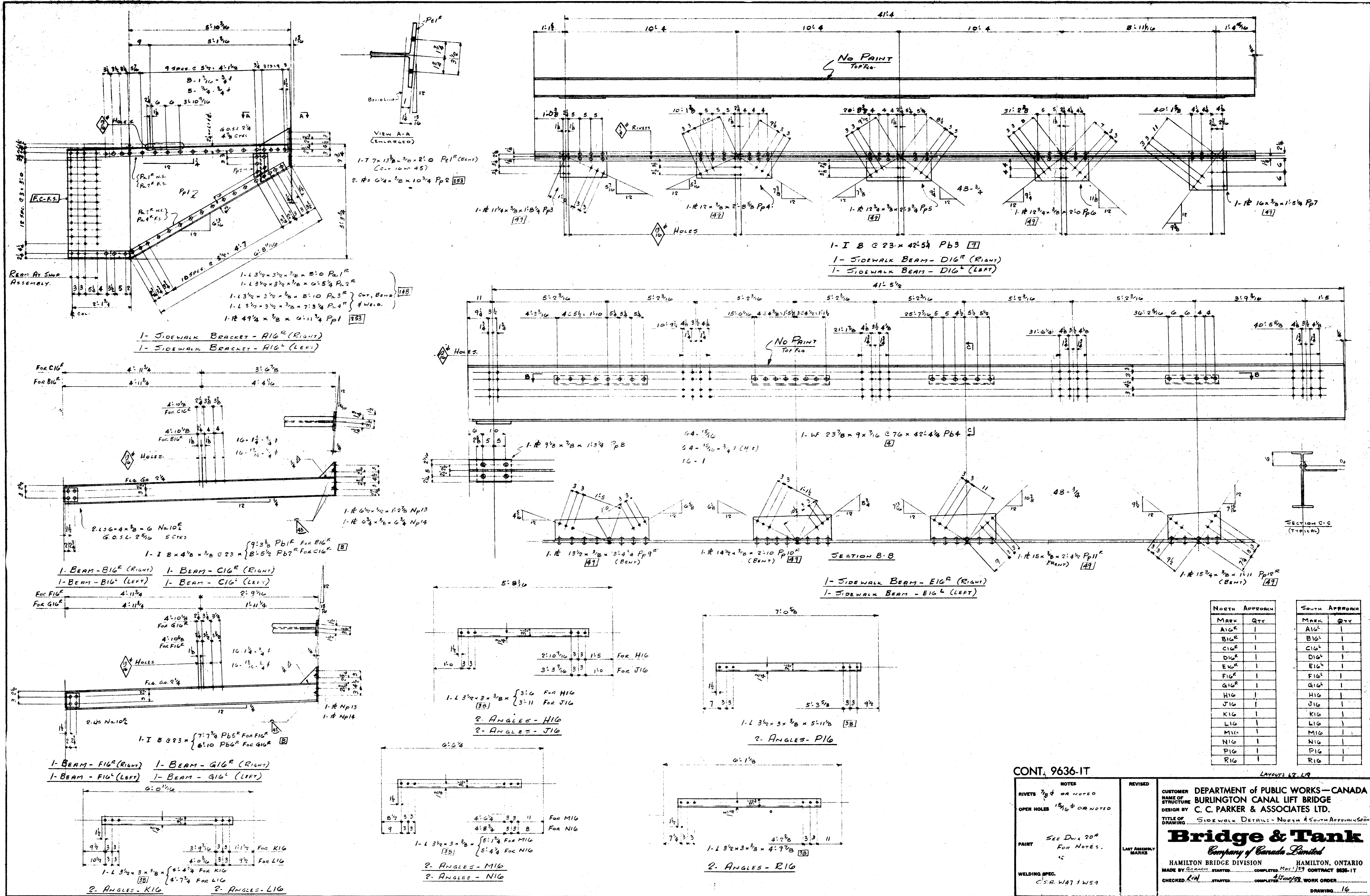
REVISED
 23/June/59
 29/June/59

CUSTOMER: DEPARTMENT OF PUBLIC WORKS—CANADA
 STRUCTURE: BURLINGTON CANAL LIFT BRIDGE
 DESIGN BY: C. C. PARKER & ASSOCIATES LTD.
Bridge & Tank
 Company of Canada Limited
 HAMILTON BRIDGE DIVISION HAMILTON, ONTARIO
 MADE BY: [] STARTED [] COMPLETED [] CONTRACT 9636-1T
 CHECKED: R.H. STARTED [] COMPLETED [] WORK ORDER []
 SHOP BILLS DRAWING: 14



4 JACKING GIRDERS - A15

CONT. 9636-17 NOTES: RIVETS: 2 # OPEN HOLES: 15 # OR NOTED SEE DWG 20 # FOR GENERAL NOTES PAINT: WELDING SPEC.		REVISED: 17/June/59 CUSTOMER: DEPARTMENT OF PUBLIC WORKS - CANADA NAME OF STRUCTURE: BURLINGTON CANAL LIFT BRIDGE DESIGN BY: C. C. PARKER & ASSOCIATES LTD. TITLE OF DRAWING: JACKING GIRDERS LAST ASSEMBLY MARKS
MADE BY: 9-9-59 CHECKED: R.C.H. SHOP BILLS		HAMILTON BRIDGE DIVISION HAMILTON, ONTARIO CONTRACT 9636-17 COMPLETE: 15/June/59 WORK ORDER: 15 DRAWING: 15



NORTH APPROACH		SOUTH APPROACH	
MARK	QTY	MARK	QTY
A16 ^R	1	A16 ^L	1
B16 ^R	1	B16 ^L	1
C16 ^R	1	C16 ^L	1
D16 ^R	1	D16 ^L	1
E16 ^R	1	E16 ^L	1
F16 ^R	1	F16 ^L	1
G16 ^R	1	G16 ^L	1
H16	1	H16	1
J16	1	J16	1
K16	1	K16	1
L16	1	L16	1
M16	1	M16	1
N16	1	N16	1
P16	1	P16	1
R16	1	R16	1

CONT. 9636-1T

NOTES
 RIVETS 7/8" OR NOTED
 OPEN HOLES 1 1/8" OR NOTED

PAINT SEE DWG 200 FOR NOTES.

WELDING SPEC. C.S.A. W47 1 W57

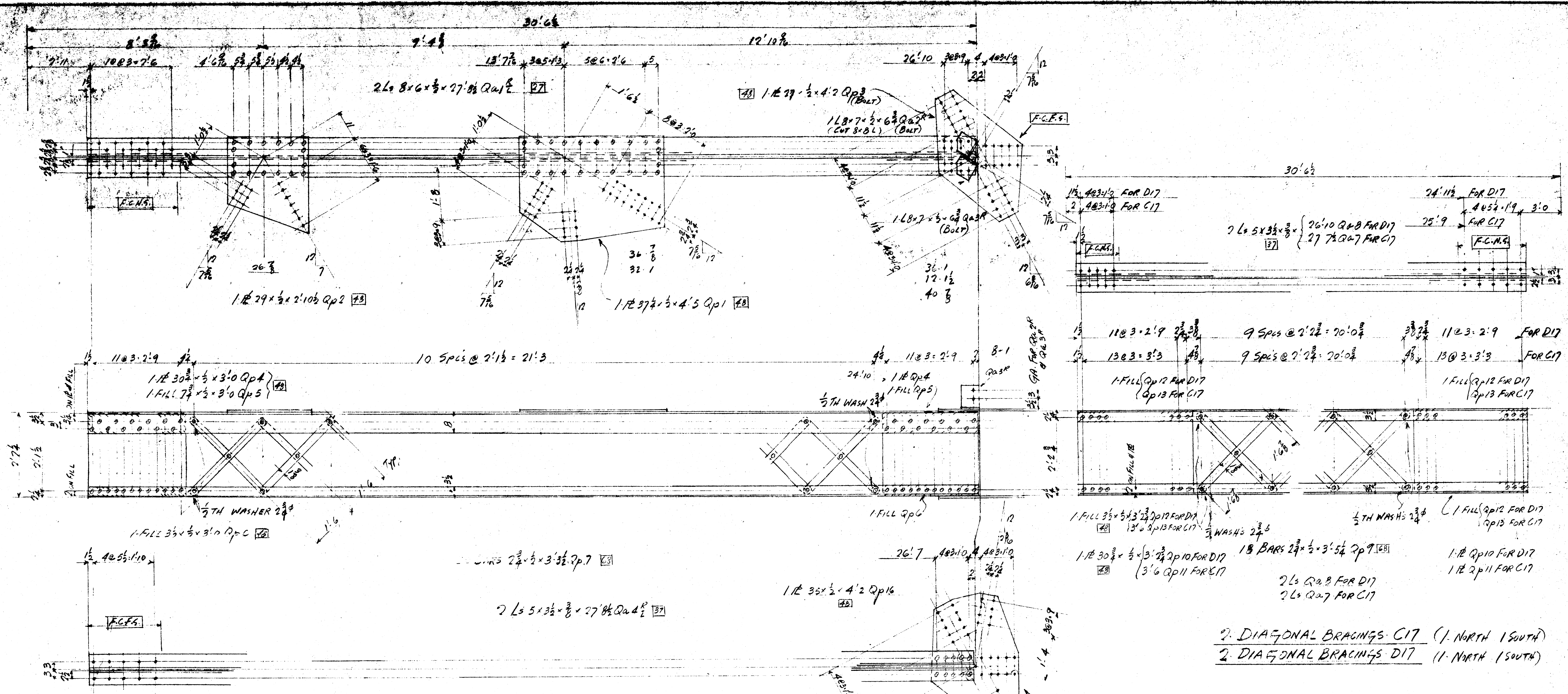
REVISIONS

CUSTOMER DEPARTMENT OF PUBLIC WORKS - CANADA
 NAME OF STRUCTURE BURLINGTON CANAL LIFT BRIDGE
 DESIGN BY C. C. PARKER & ASSOCIATES LTD.
 TITLE OF DRAWING Sidewalk Details - North & South Approaches

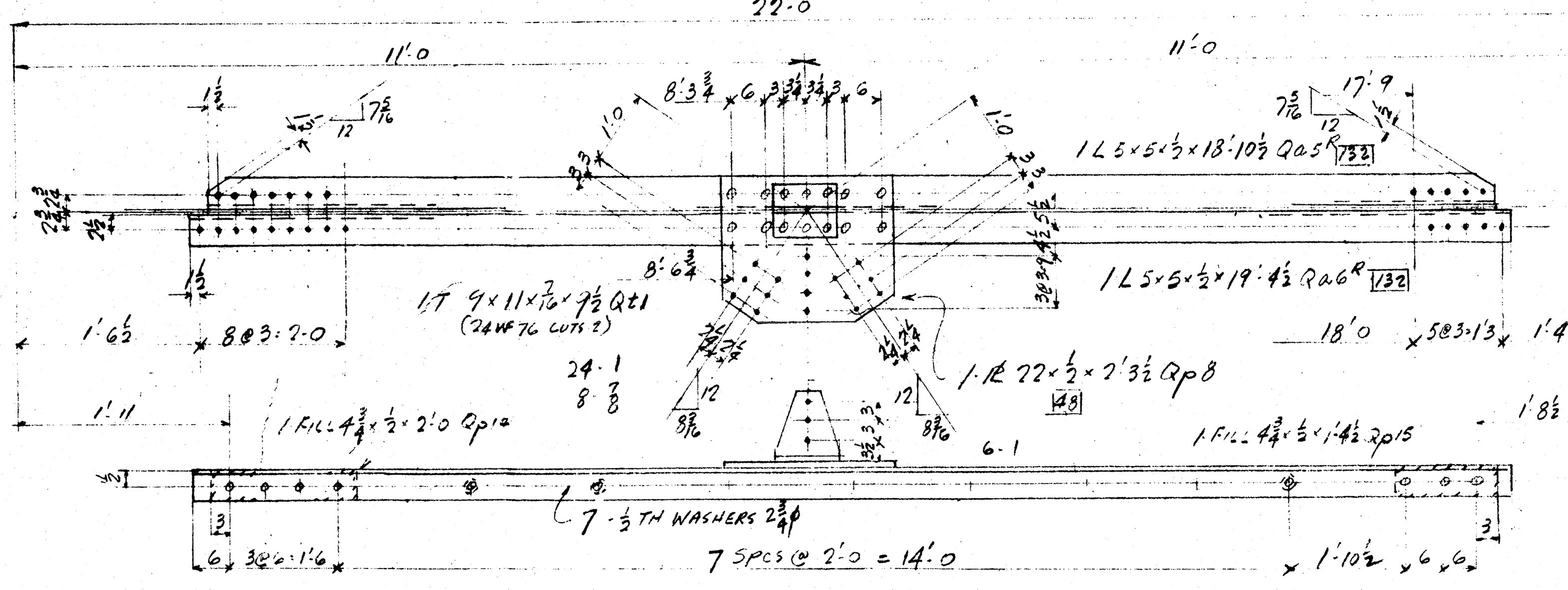
Bridge & Tank
 Company of Canada Limited

HAMILTON BRIDGE DIVISION HAMILTON, ONTARIO
 MADE BY: [] STARTED: [] COMPLETED: [] CONTRACT 9636-1T
 CHECKED: [] STARTED: [] COMPLETED: [] CONTRACT 9636-1T
 DRAWING 16

SHOP BILLS A, B, C, D



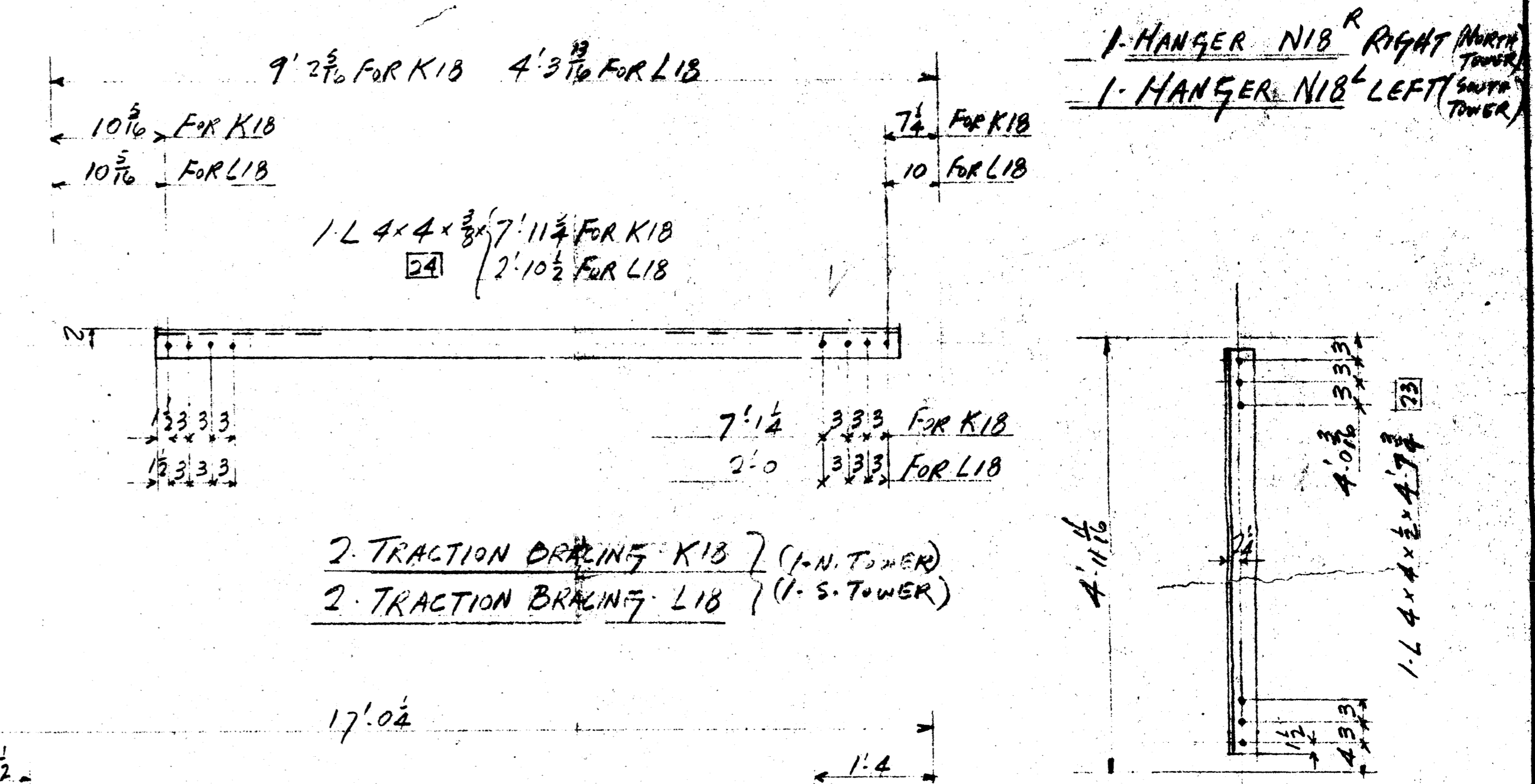
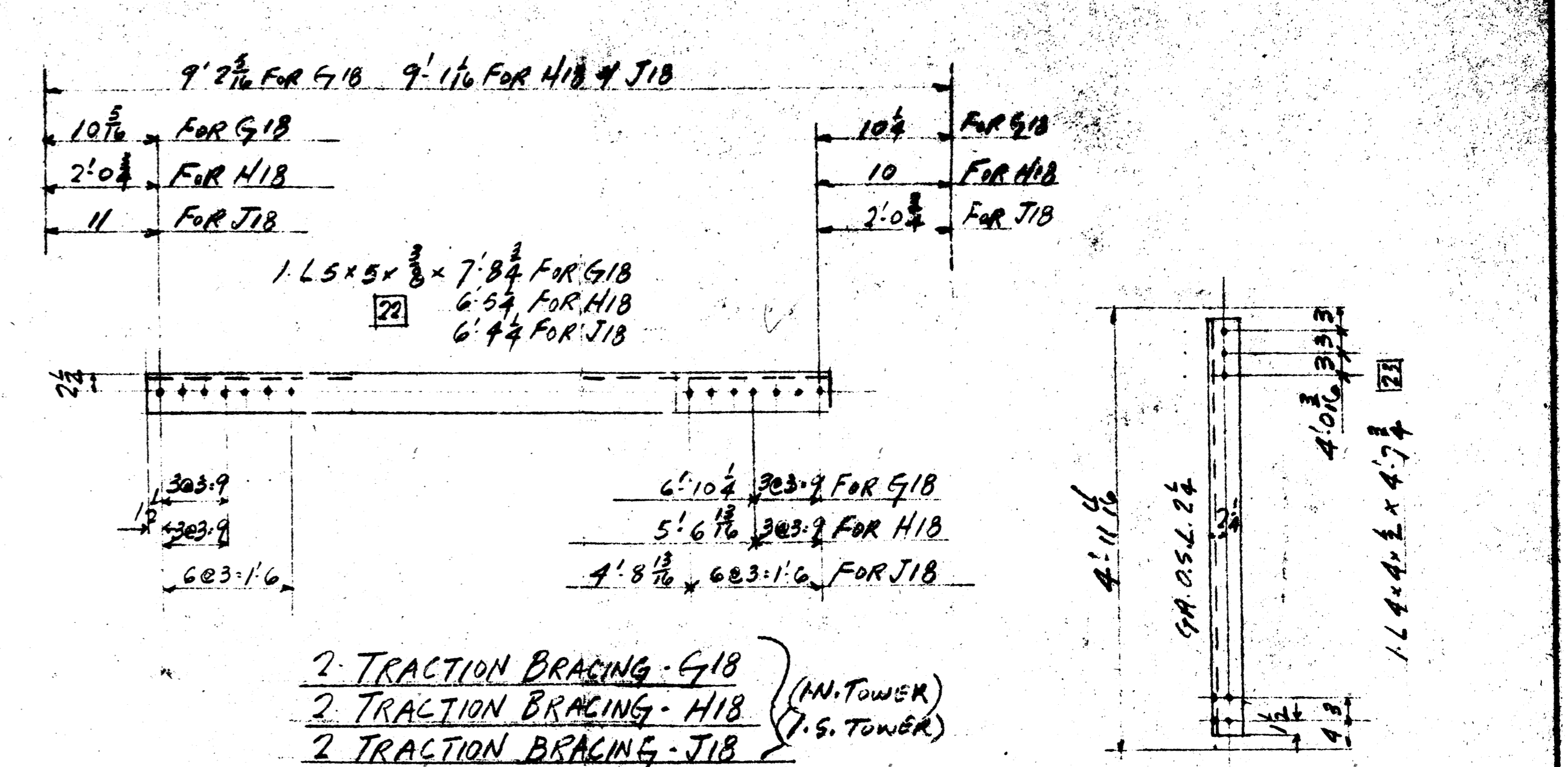
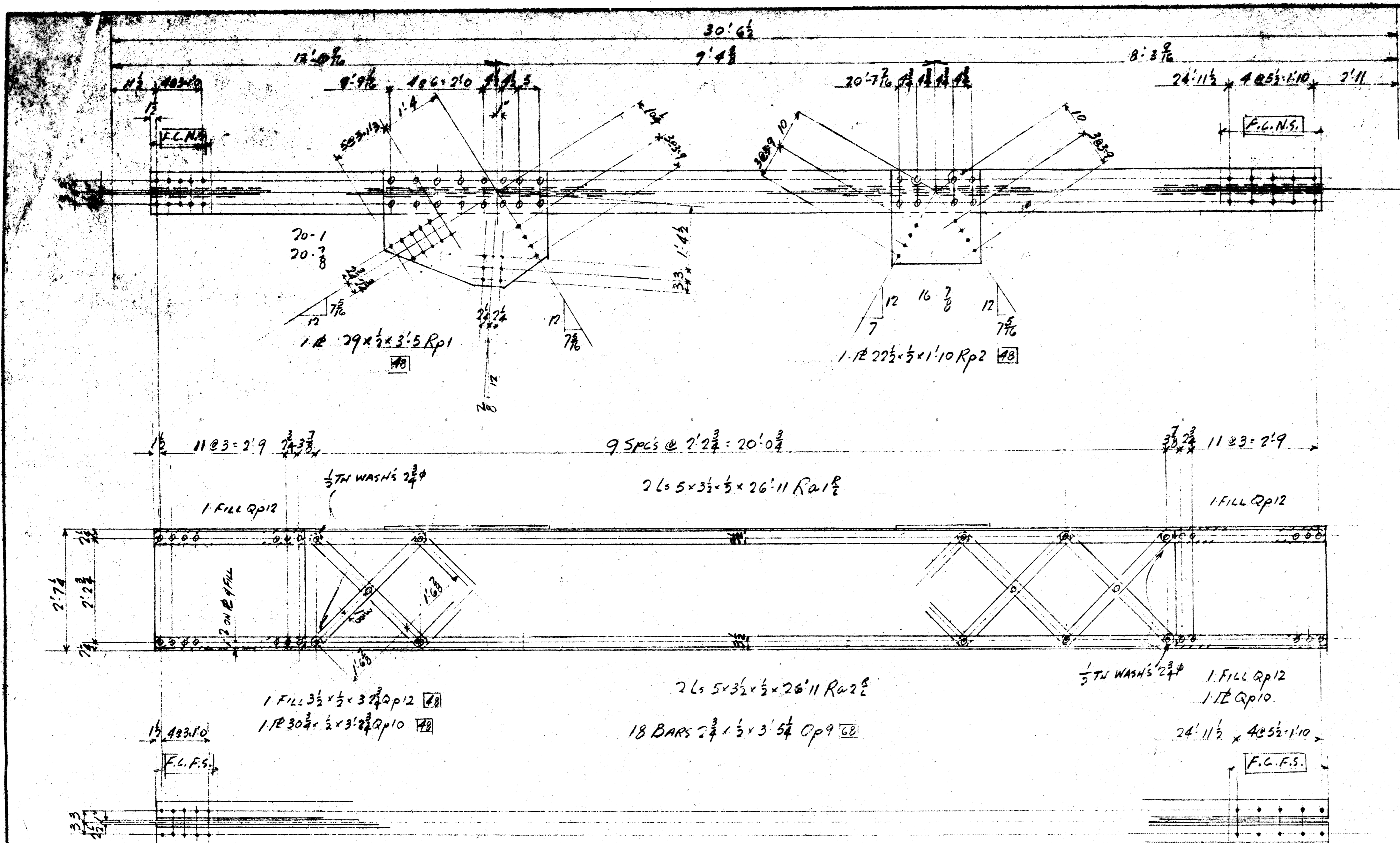
1. DIAGONAL BRACING A17^R RIGHT (NORTH TOWER)
 1. DIAGONAL BRACING A17^L LEFT (SOUTH TOWER)



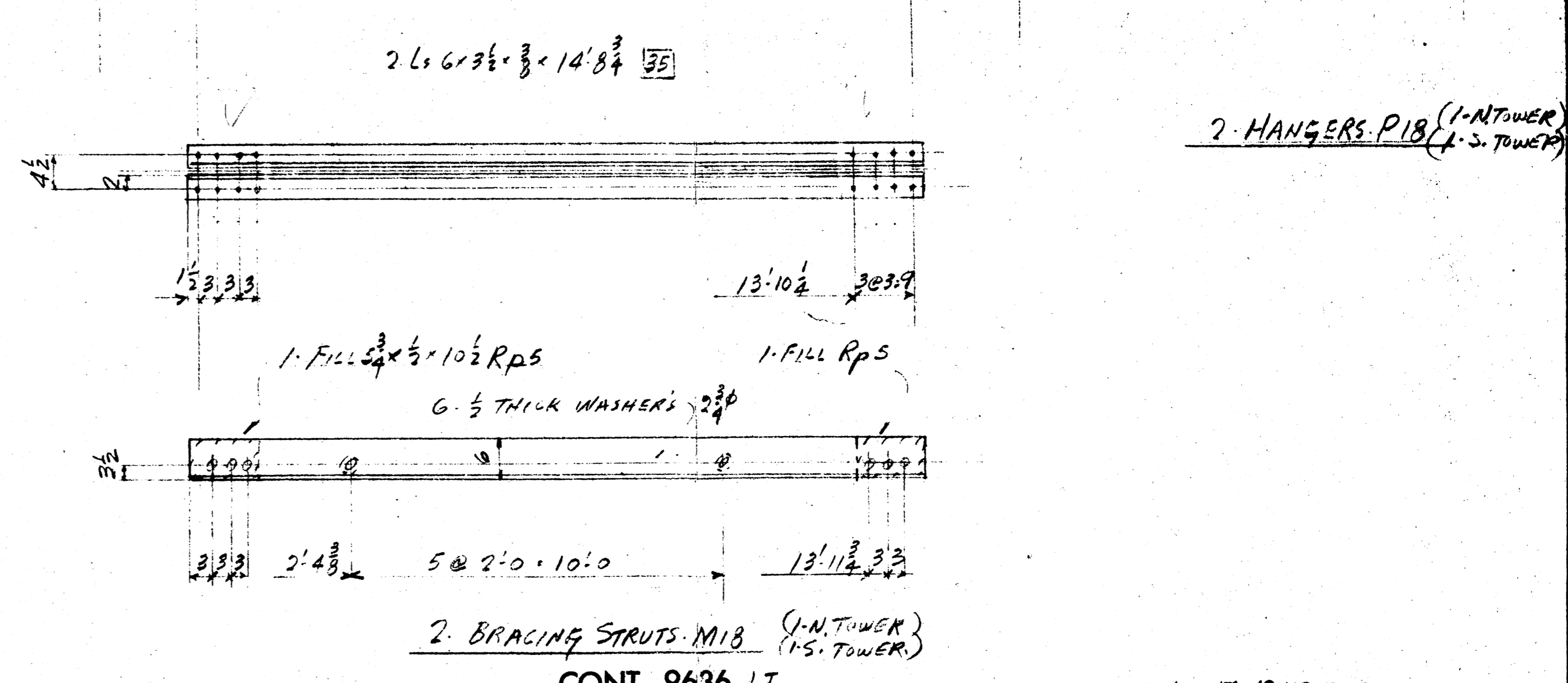
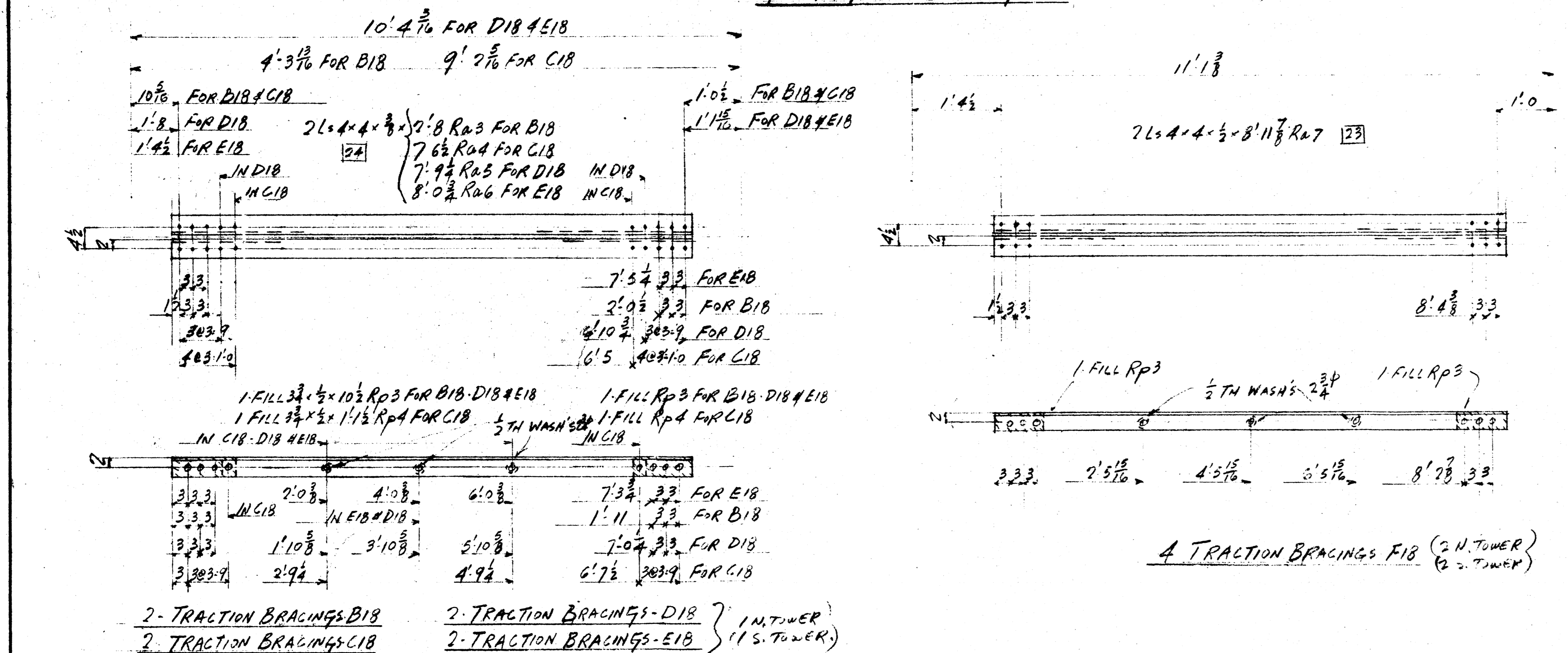
1. BRACING B17^R RIGHT (NORTH TOWER)
 1. BRACING B17^L LEFT (SOUTH TOWER)

2. DIAGONAL BRACINGS C17 (1. NORTH 1 SOUTH)
 2. DIAGONAL BRACINGS D17 (1. NORTH 1 SOUTH)

CONT. 9636-17		REVISED 22/June/59		CUSTOMER DEPARTMENT of PUBLIC WORKS - CANADA	
RIVETS 7/8		PUNCHED FULL SIZE		NAME OF STRUCTURE BURLINGTON CANAL LIFT BRIDGE	
OPEN HOLES 1 1/2"		SEE DRG 20 ^A FOR GENERAL NOTES		DESIGN BY C. C. PARKER & ASSOCIATES LTD.	
PAINT GENERAL NOTES		LAST ASSEMBLY MARKS		TITLE OF DRAWING LATERAL & TRACTION BRACING	
WELDING SPEC.		HAMILTON BRIDGE DIVISION		HAMILTON, ONTARIO	
		MADE BY		CONTRACT 9636-17	
		CHECKED		COMPLETED	
		STARTED		COMPLETED	
		WORK ORDER		DRAWING 17	

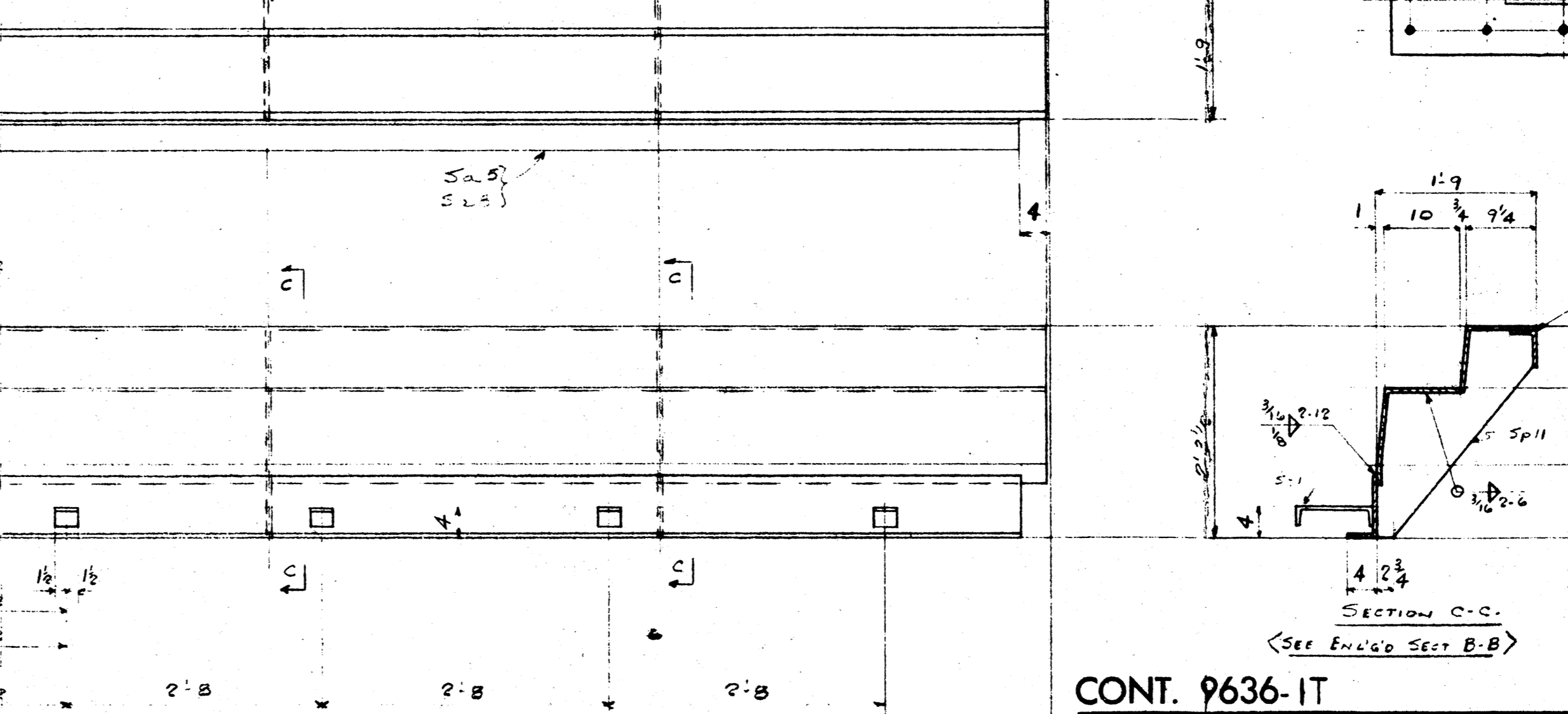
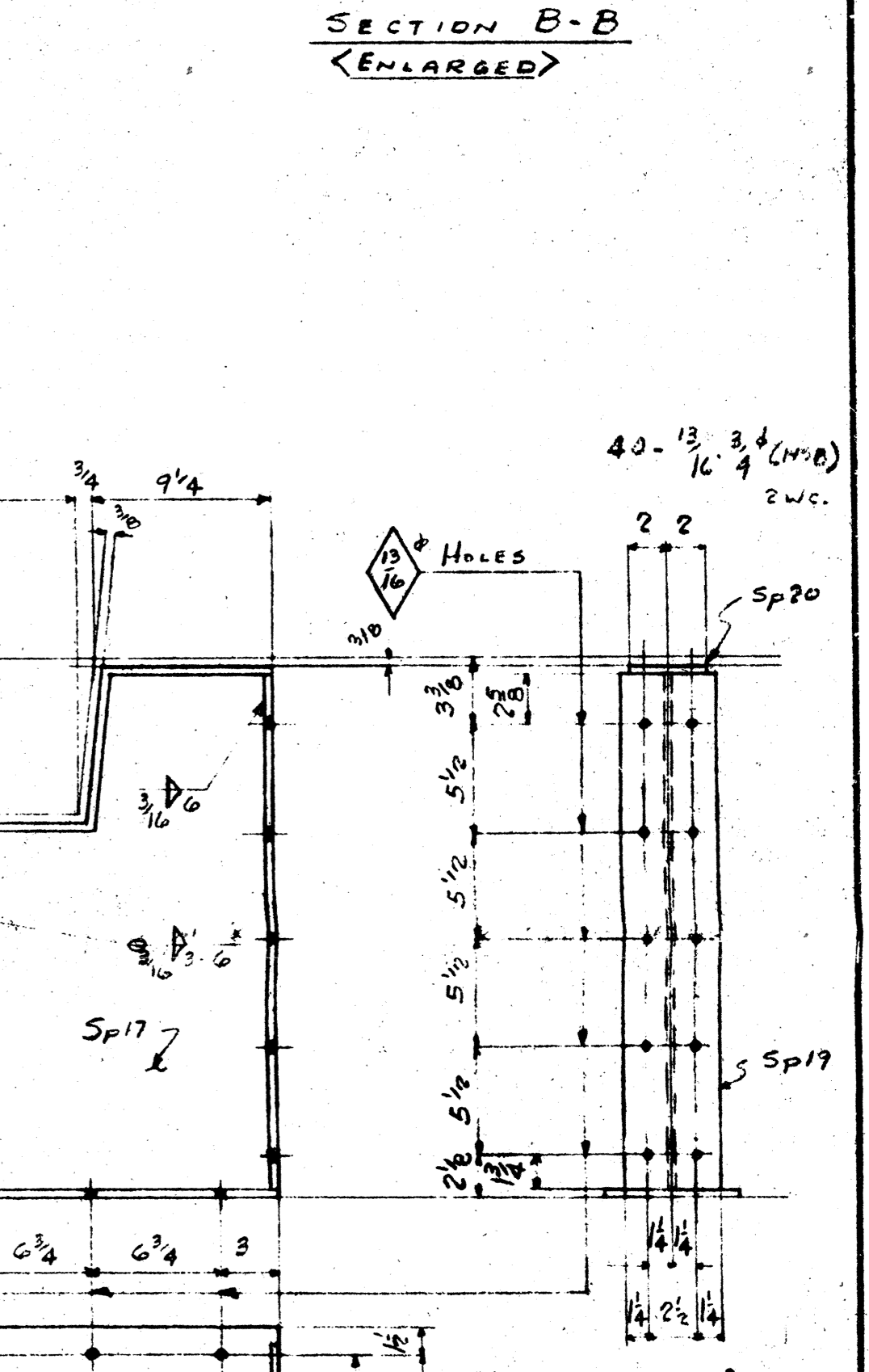
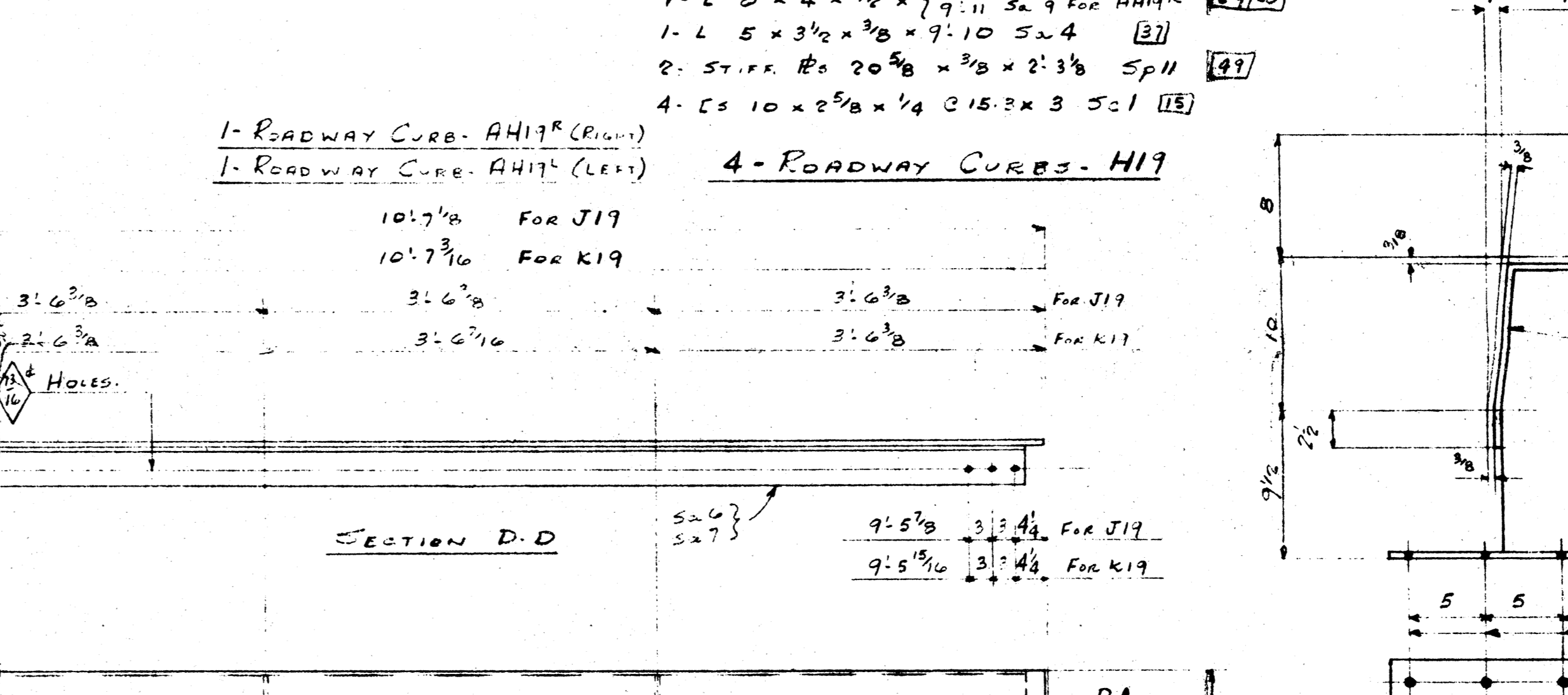
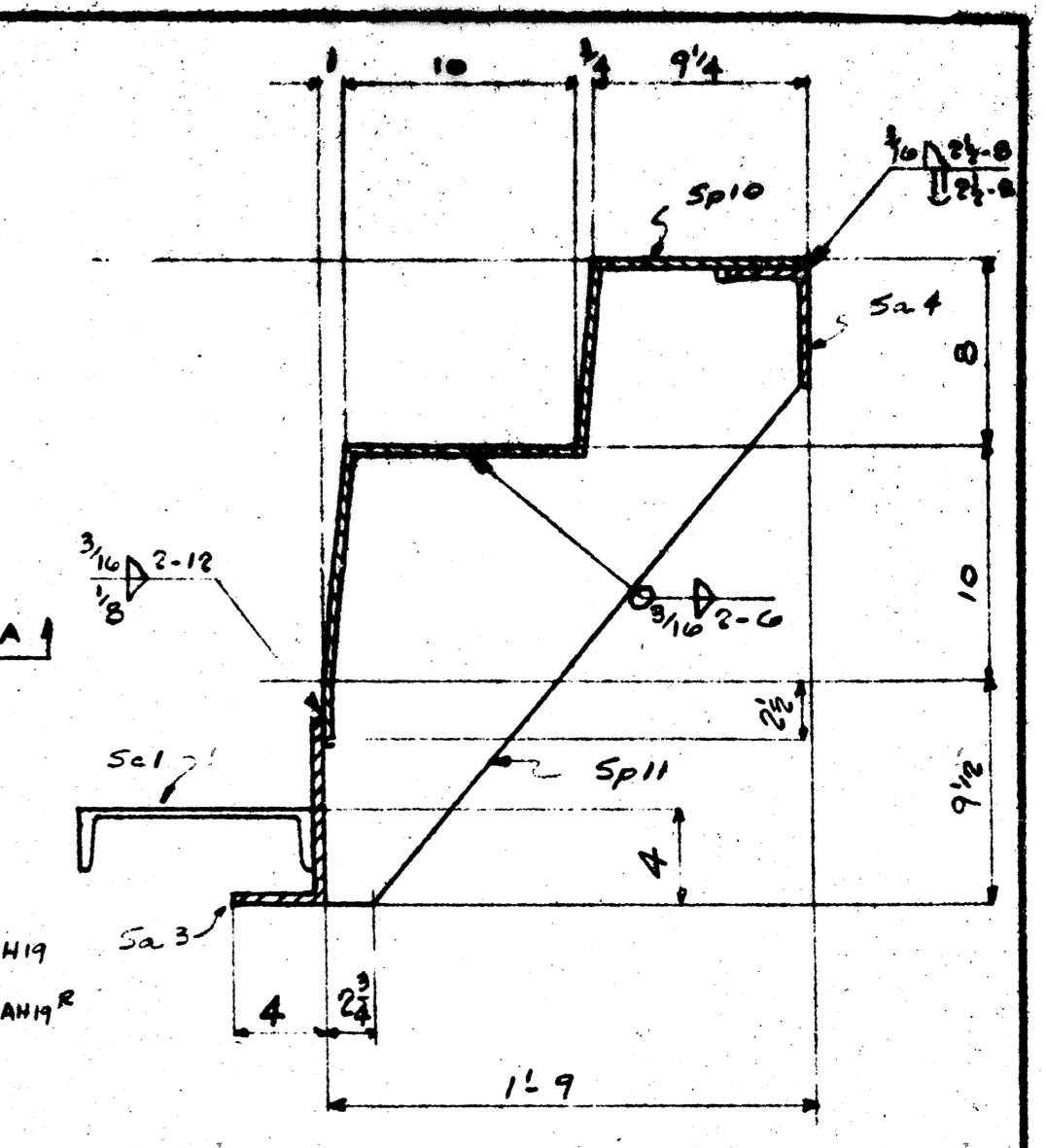
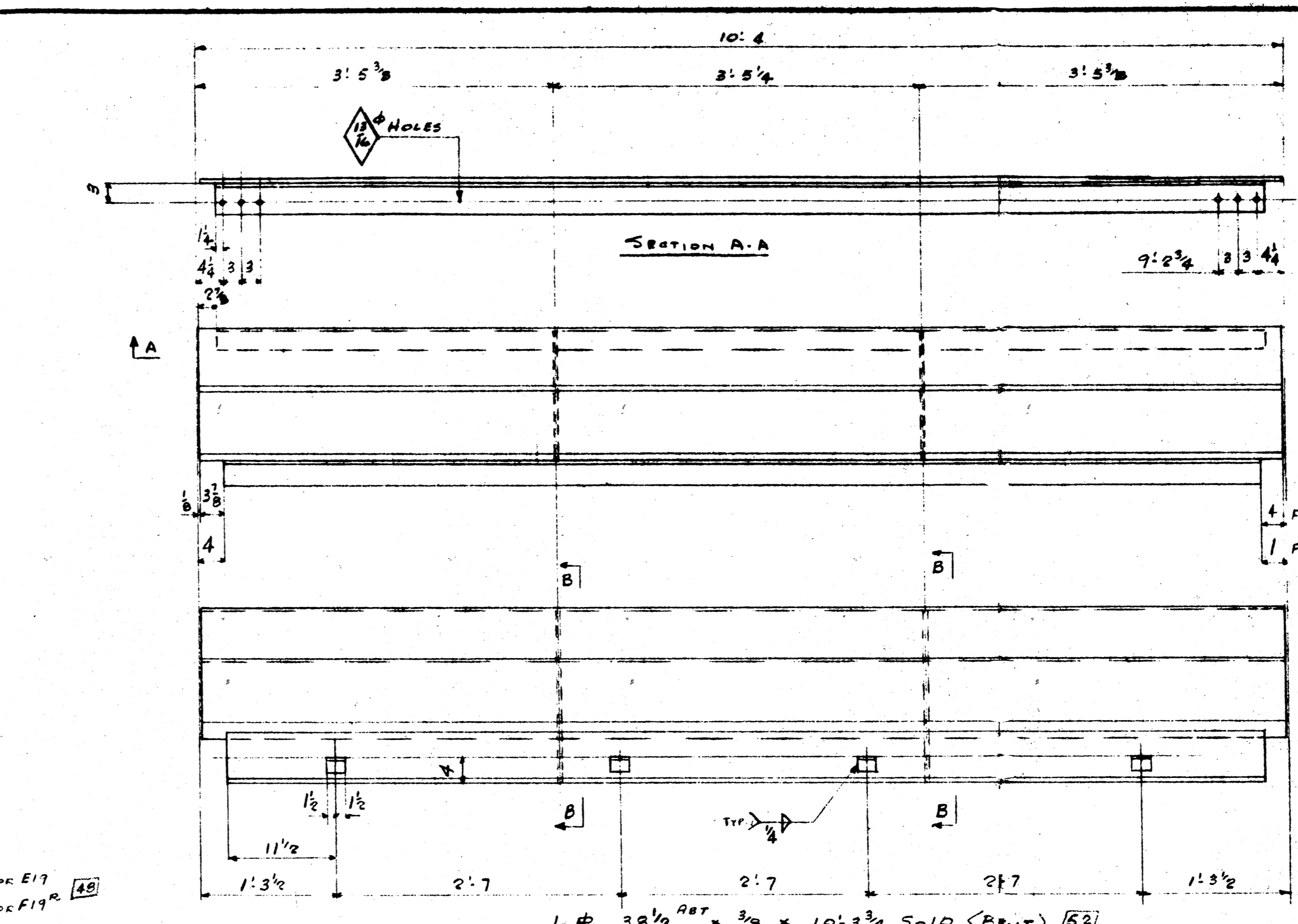
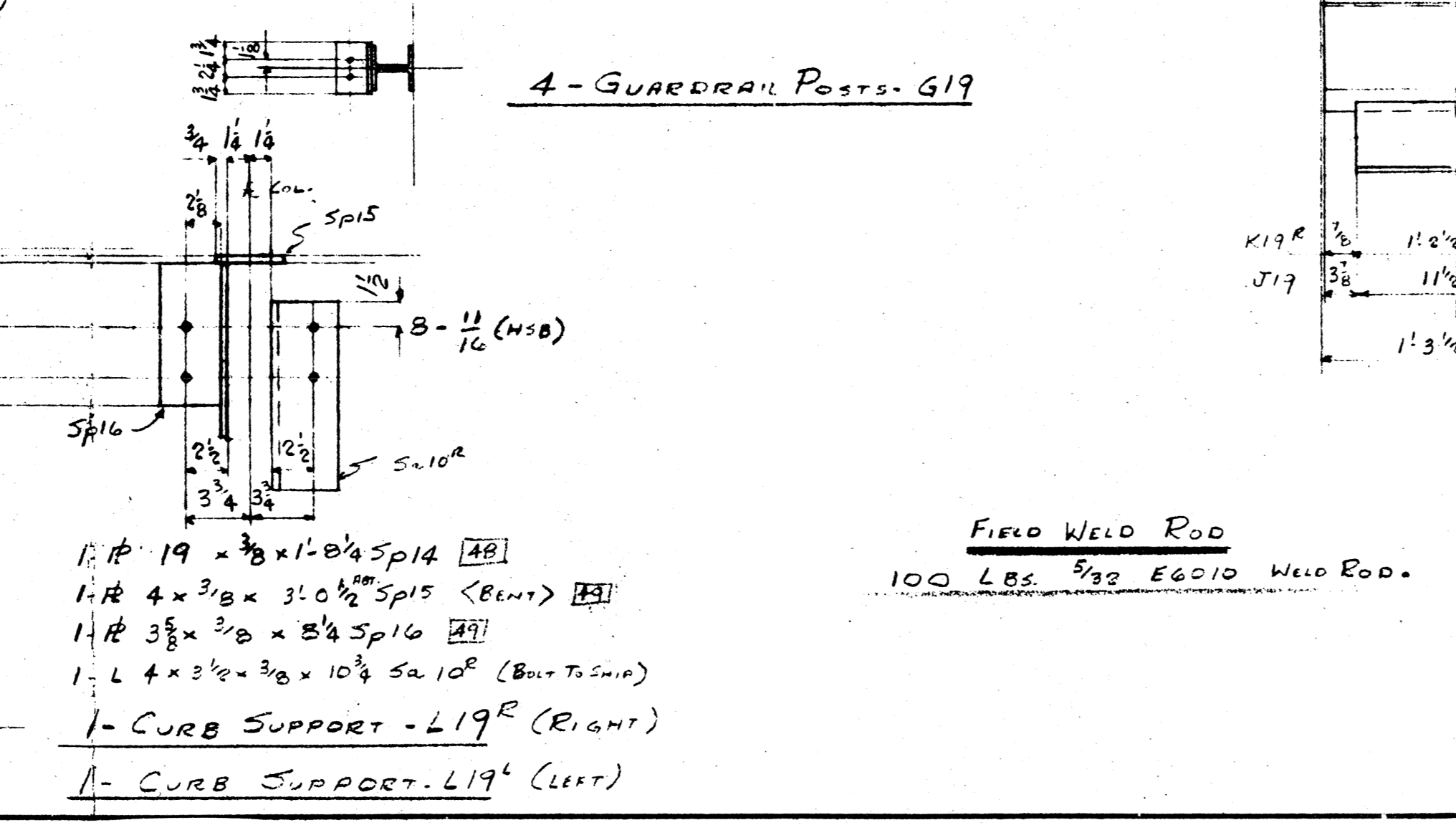
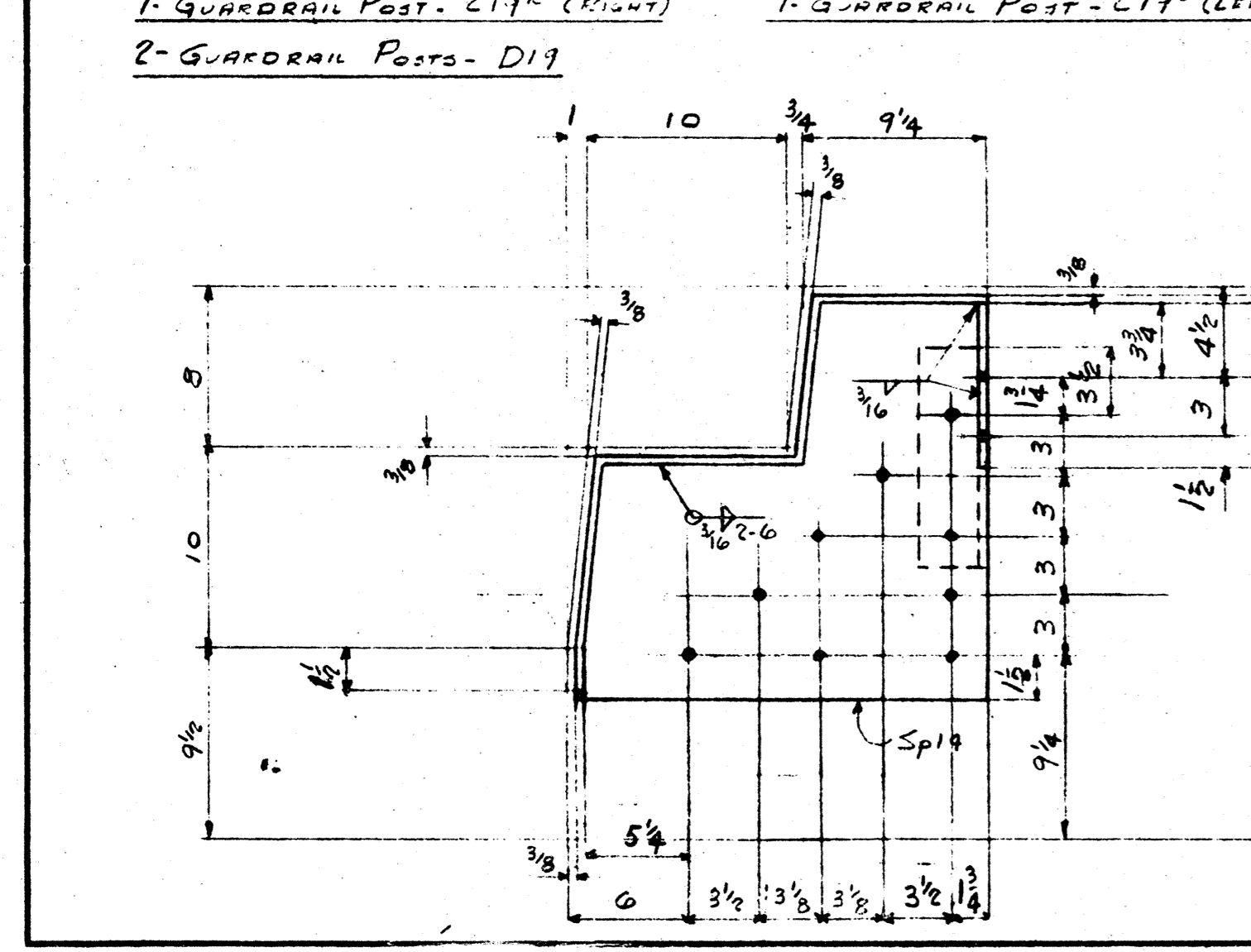
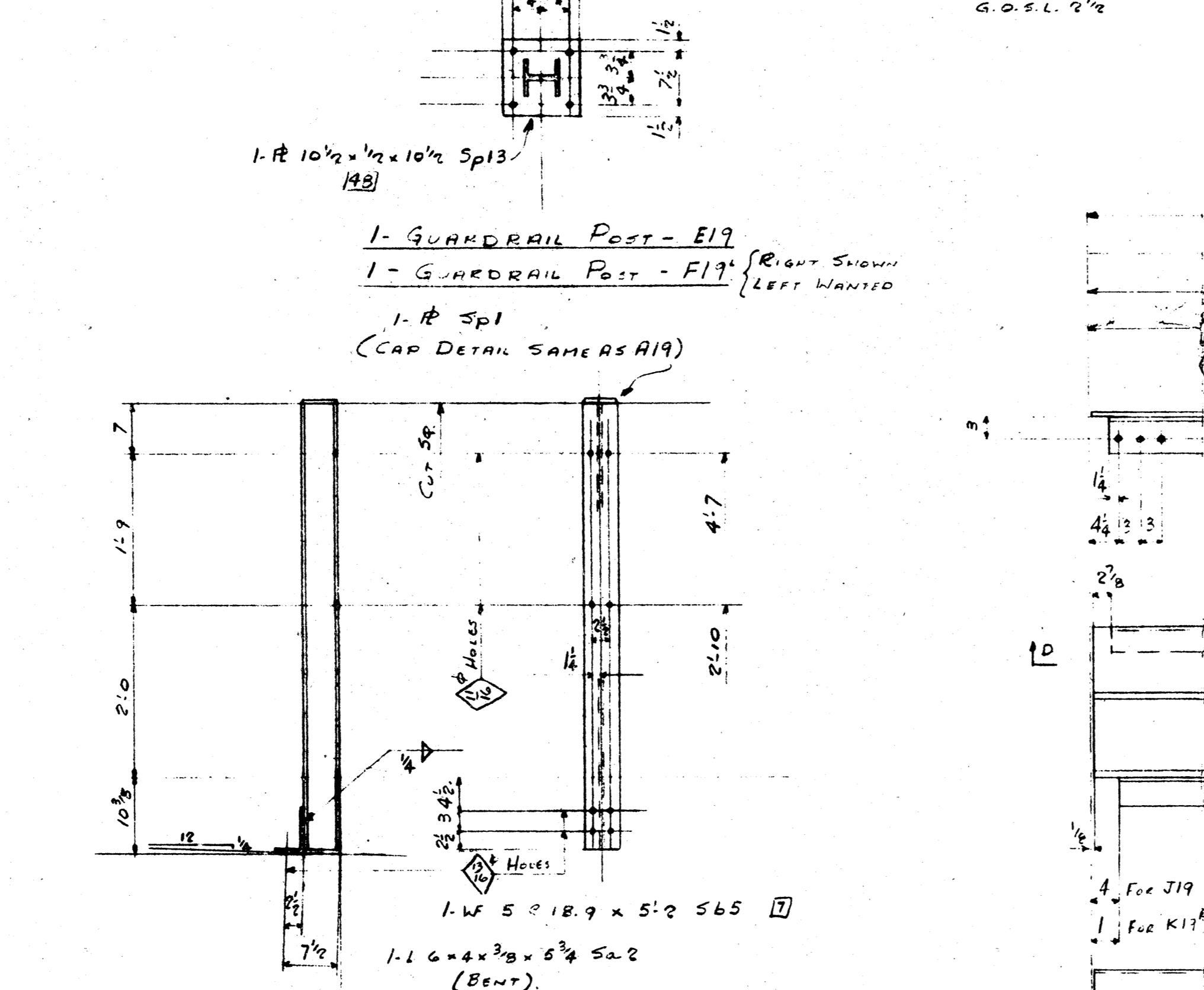
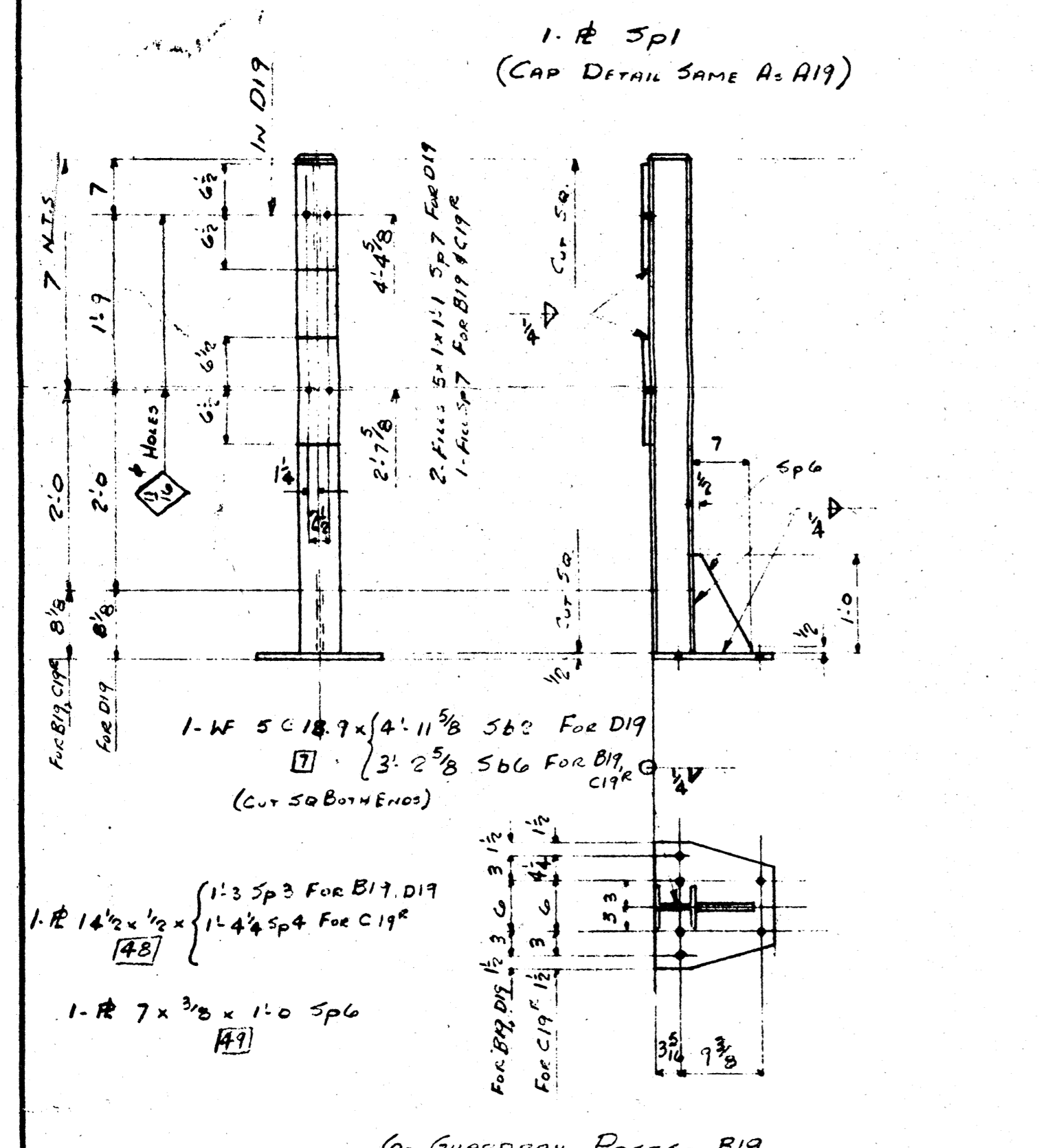
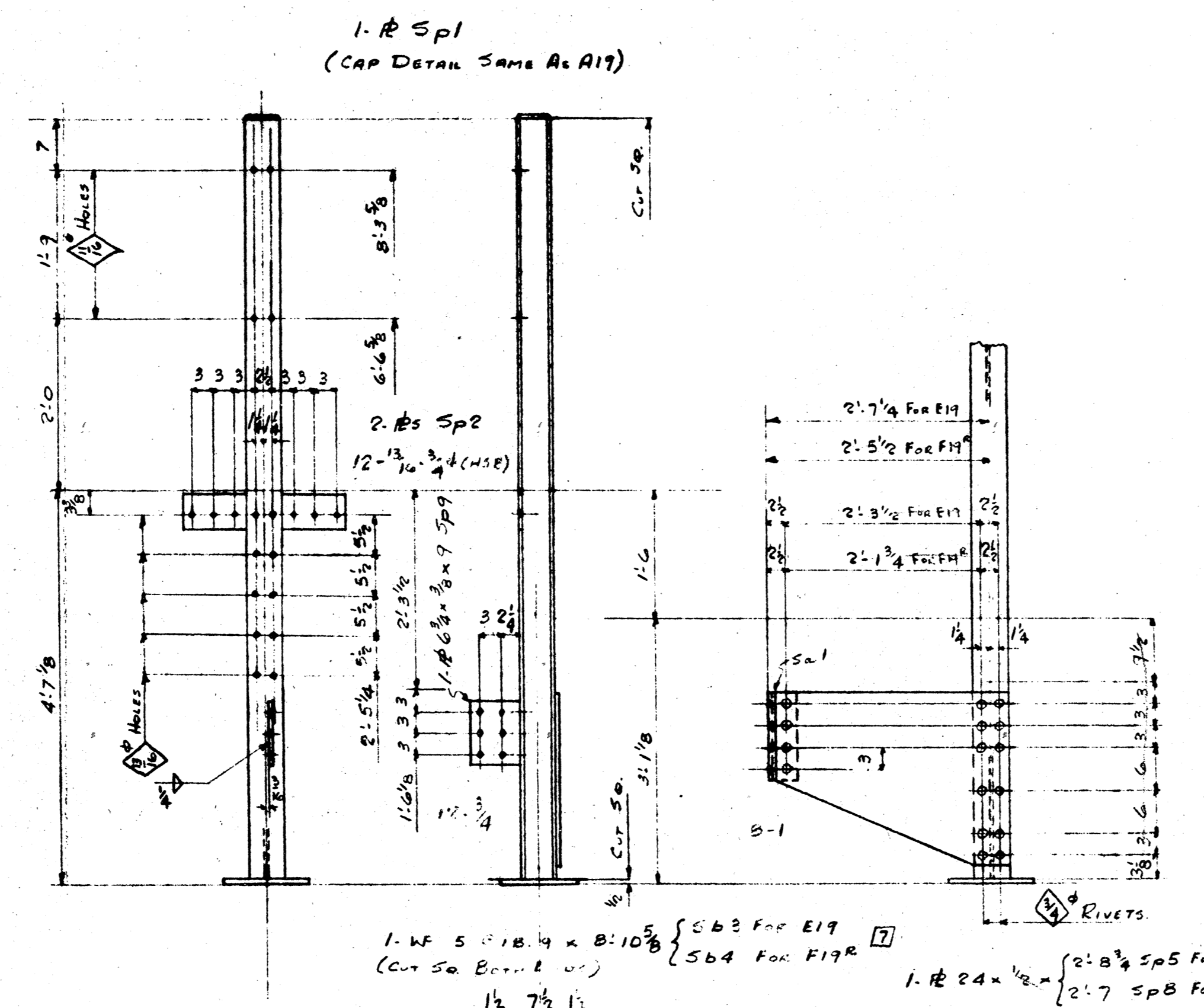
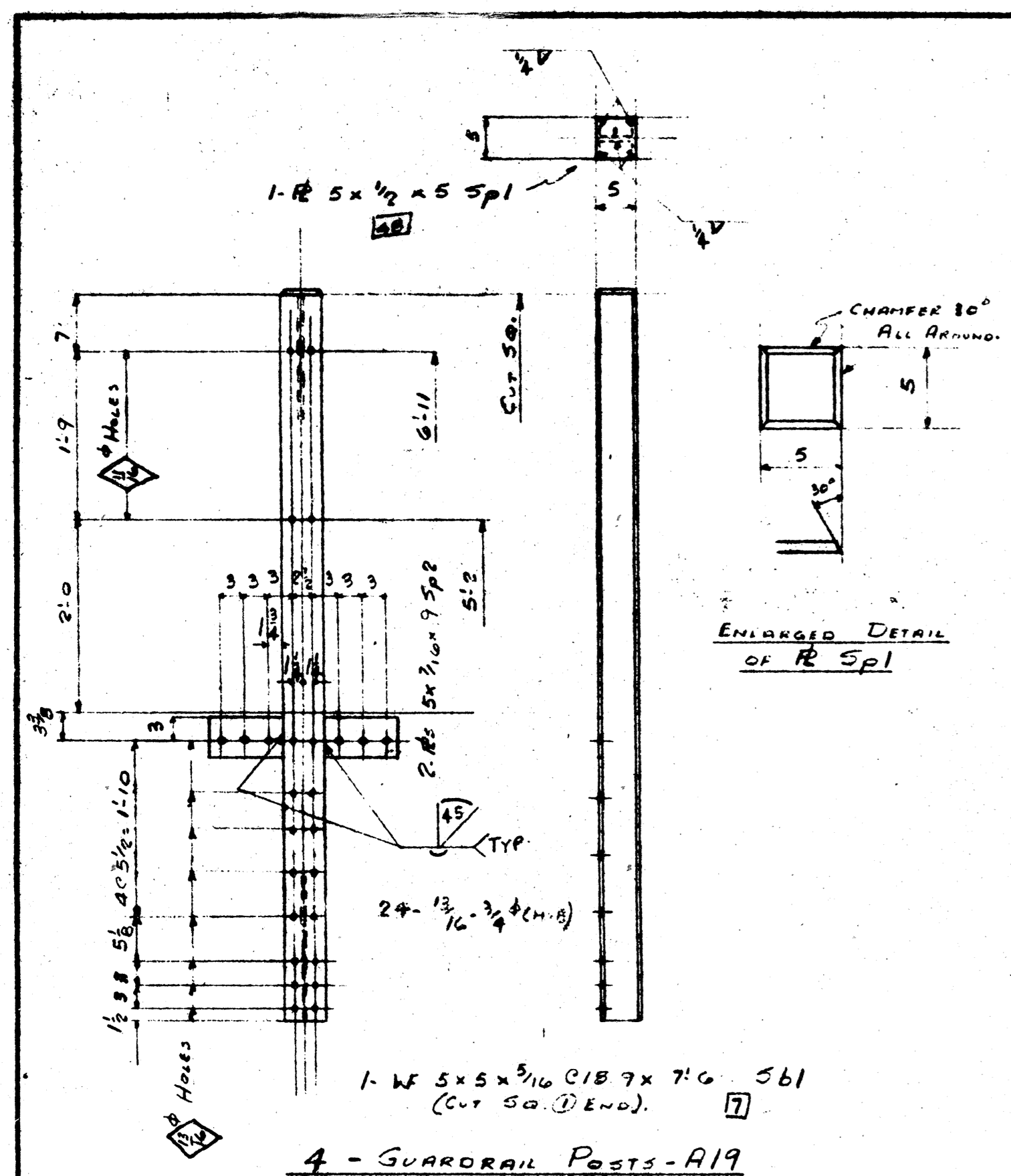


1-DIAGONAL BRACING A1B^R RIGHT (NORTH TOWER)
 1-DIAGONAL BRACING A1B^L LEFT (SOUTH TOWER)



CONT. 9636-17

<p>NOTES</p> <p>RIVETS 1 1/2"</p> <p>OPEN HOLES 1 5/8" PUNCHED FULL SIZE</p> <p>PAINT SEE DWG 20A FOR GENERAL NOTES</p> <p>WELDING SPEC.</p>	<p>REVISED 22/JUNE/59</p> <p>CUSTOMER DEPARTMENT OF PUBLIC WORKS—CANADA</p> <p>NAME OF STRUCTURE BURLINGTON CANAL LIFT BRIDGE</p> <p>DESIGN BY C. C. PARKER & ASSOCIATES LTD.</p> <p>TITLE OF DRAWING LATERAL & TRACTION BRACING</p> <p>Bridge & Tank</p> <p>Company of Canada Limited</p> <p>HAMILTON BRIDGE DIVISION HAMILTON, ONTARIO</p> <p>MADE BY G. J. STARTED... CONTRACT 9636-17</p> <p>CHECKED: K.E.M. STARTED... COMPLETE: K.E.M. NETWORK ORDER</p> <p>SHOP P/L/E DRAWING 18</p>
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NORTH		SOUTH	
TOWSE	APPROX	TOWSE	APPROX
A17	2	A19	3
B19	3	B19	3
C19	1	C19	1
D19	1	D19	1
E19	1	E19	1
G19	2	G19	2
H19	2	H19	2
J19	1	J19	1
K19	1	K19	1
L19	1	L19	1
M19	2	M19	2
AH19	1	AH19	1
50 LBS.		50 LBS.	

CONT. 9636-1T

NOTES
 RIVETS 3/8" UNFINISHED
 OPEN HOLES 1 3/8" UNFINISHED

PAINT See DWG 20"
 FOR NOTES

WELDING SPEC.
 C. S. A. W47 #W59

REVISIONS
 2/25/67

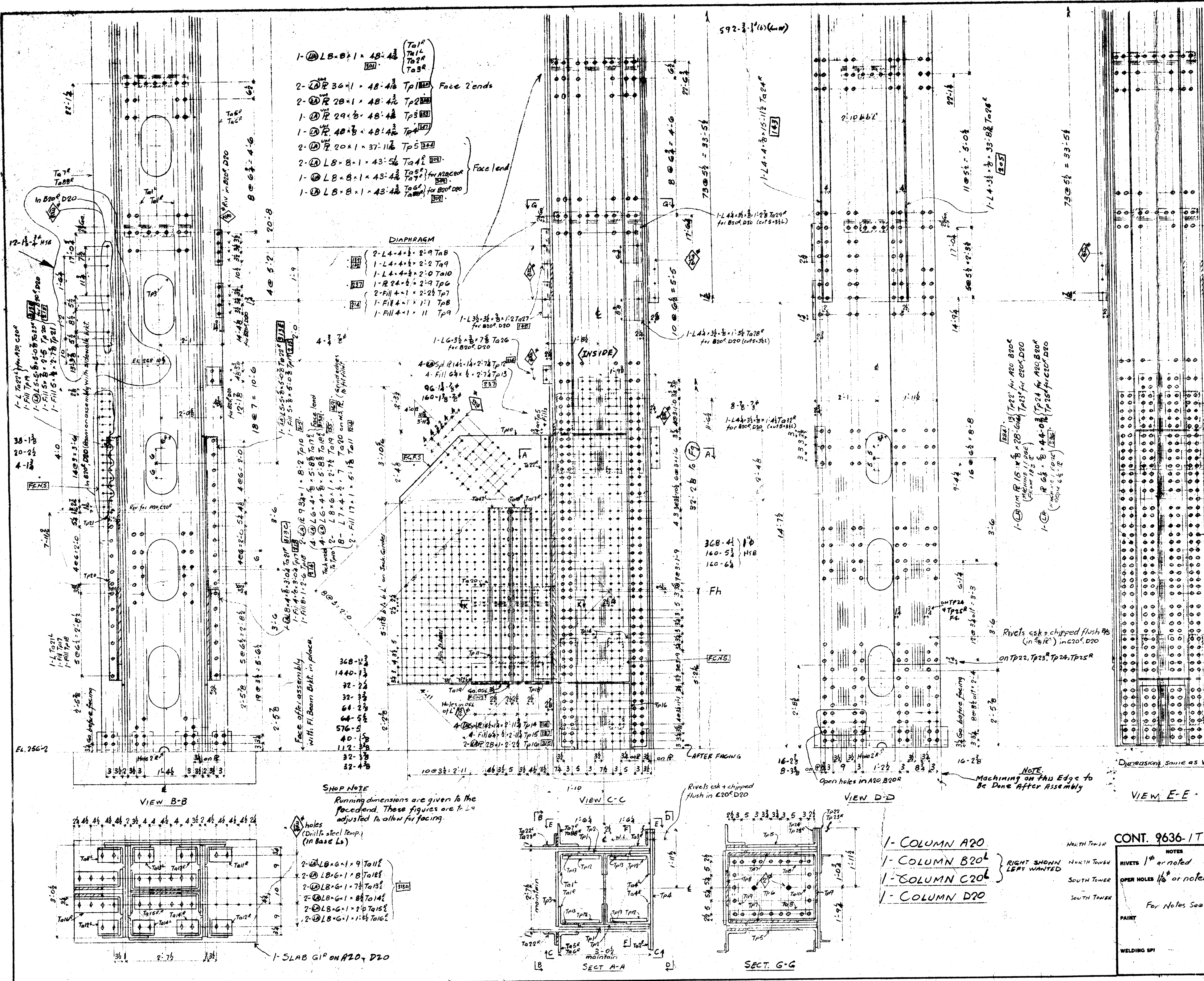
LAST ASSEMBLY MARKS

CUSTOMER DEPARTMENT OF PUBLIC WORKS - CANADA
 NAME OF STRUCTURE BURLINGTON CANAL LIFT BRIDGE
 DESIGN BY C. C. PARKER & ASSOCIATES LTD.
 TITLE OF DRAWING GUARDRAIL POSTS, CURBS & CURB SUPPORTS.

Bridge & Tank
 Company of Canada Limited

HAMILTON BRIDGE DIVISION
 MADE BY 356 M.C.L. STARTED... COMPLETED MAY 5, 1967 CONTRACT 9636-1T
 CHECKED R.H. STARTED... CONTRACT WORK ORDER...

DRAWING... 17



- 1- 2x LB-8x1 = 48-4 1/2 (Tail)
- 2- 2x R 36x1 = 48-4 1/2 Tp1 Face 2 ends
- 2- 2x R 28x1 = 48-4 1/2 Tp2
- 1- 2x R 24x1 = 48-4 1/2 Tp3
- 1- 2x R 40x1 = 48-4 1/2 Tp4
- 2- 2x R 20x1 = 37-1 1/2 Tp5
- 2- 2x LB-8x1 = 43-5/8 Tail
- 1- 2x LB-8x1 = 43-5/8 Tail for Racer
- 1- 2x LB-8x1 = 43-5/8 Tail for Roof D20

- DIAPHRAGM
- 2- L4-4x4 = 2-9 TAB
 - 1- L4-4x4 = 2-2 TA9
 - 1- L4-4x4 = 2-0 TA10
 - 1- R24x4 = 2-9 TP6
 - 2- Fill 4x1 = 2-2 TP7
 - 1- Fill 4x1 = 1-1 TP8
 - 1- Fill 4x1 = 1-1 TP9

GENERAL NOTES FOR TOWERS AND APPROACH SPANS.
 All work shall be in strict accordance with Specification for Steel Railway Bridge CSA S1 1950.
 All 4 sides of both North South Towers will be shop assembled, holes reamed & matchmarked. The Main Members as referred to in Specs will include Gals, Diags, Horiz Stubs, Girders, Floor Beams, Jacking Girders, Gussies & Splice B's for the Towers.
 For Erection Marks a Camber Diagram use E50EC (North Tower) E51E38 (South Tower).
 Holes for Shop rivets in Main members to be drilled from solid or sub-punched & reamed or assembly to 1/8" for 1/2" rivets, or sub-punched & reamed or assembly to 1/8" for 3/4" rivets. Open holes to be drilled from solid or sub-punched & reamed to 1/8" or sub-punched or drilled & reamed to 1/8". Holes reamed to 1/8" shall be drilled from solid or sub-punched & reamed to 1/8". Holes reamed to 1/8" shall be drilled from solid or sub-punched & reamed to 1/8". Holes reamed to 1/8" shall be drilled from solid or sub-punched & reamed to 1/8".
 Holes in material greater than 3/8" thick to be drilled from solid. All plates over 3/8" thick to be drilled from solid. Holes in material greater than 3/8" thick to be drilled from solid. All plates over 3/8" thick to be drilled from solid. Holes in material greater than 3/8" thick to be drilled from solid. All plates over 3/8" thick to be drilled from solid.
 Sheared edges of all stress carrying B's shall be planed. Rough edges to be removed from all B's. No hand flame cutting allowed.
 Shop Point 1: Coat Red Lead in oil case. Spec. I.G.P. 144 June 1957 applied as per detail.
 Blast cleaning Shop contact surfaces shall be painted. Field contact surfaces to be given 1 coat of Loquer. Exp. 300 Field Contact Surfaces are indicated on drawings as follows:
 FC.B3 - Field Contact both sides
 FC.B5 - Field Contact near side
 FC.B7 - Field Contact far side
 FC.B8 - Field Contact both inside
 FC.B9 - Field Contact both outside
 Finished surfaces to be covered with white lead or talcum applied hot & protected with wood for shipping.

CONT. 9636-1T

NOTES
 RIVETS 1" or noted
 OPEN HOLES 1/8" or noted
 For Notes See above.

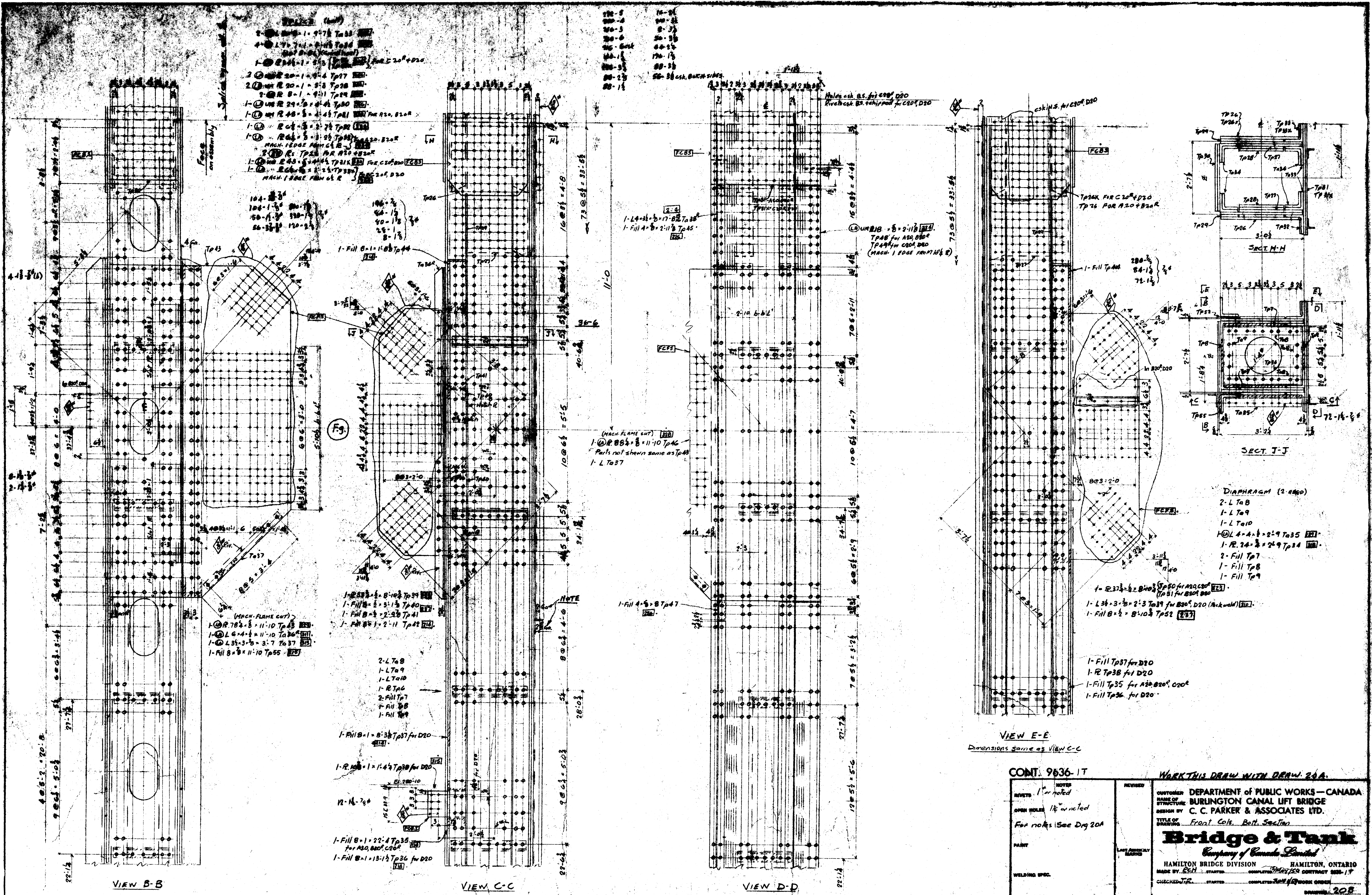
PAINT
 WELDING SPI

REVISIONS
 15/7/59
 23/7/59
 3/7/59

CUSTOMER DEPARTMENT OF PUBLIC WORKS—CANADA
 BURLINGTON CANAL LIFT BRIDGE
 DESIGN BY C. C. PARKER & ASSOCIATES LTD.
 TITLE OF DRAWING Front Gals. Bolt Section

Bridge & Tank
 Company of Canada Limited
 HAMILTON BRIDGE DIVISION HAMILTON, ONTARIO
 MADE BY R.C.H. STARTED... COMPLETED... CONTRACT 9636-1T
 CHECKED J.R. STARTED... COMPLETED... WORK ORDER...
 DRAWING 20A

SHIP BILLS A, B, C, D, NORTH TOWER
 E, F, G, H, SOUTH TOWER



CONT. 9636-17

WORK THIS DRAW WITH DRAW. 20A.

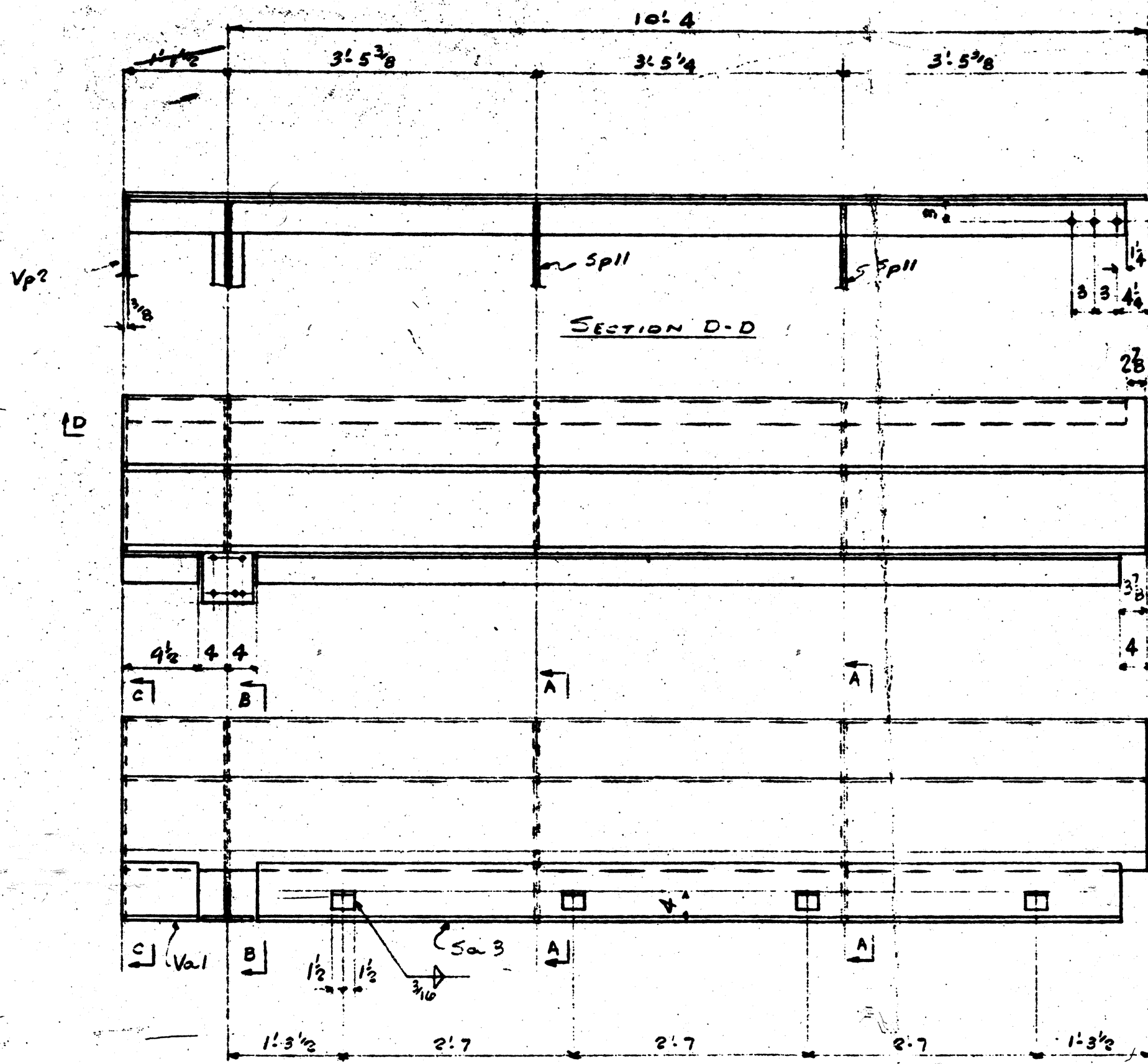
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97	As noted		
98	As noted		
99	As noted		
100	As noted		

CUSTOMER: DEPARTMENT OF PUBLIC WORKS - CANADA
 STRUCTURE: BURINGTON CANAL LIFT BRIDGE
 DESIGN BY: C. C. PARKER & ASSOCIATES LTD.
 TITLE OF DRAWING: Front Coll. Bolt. Section

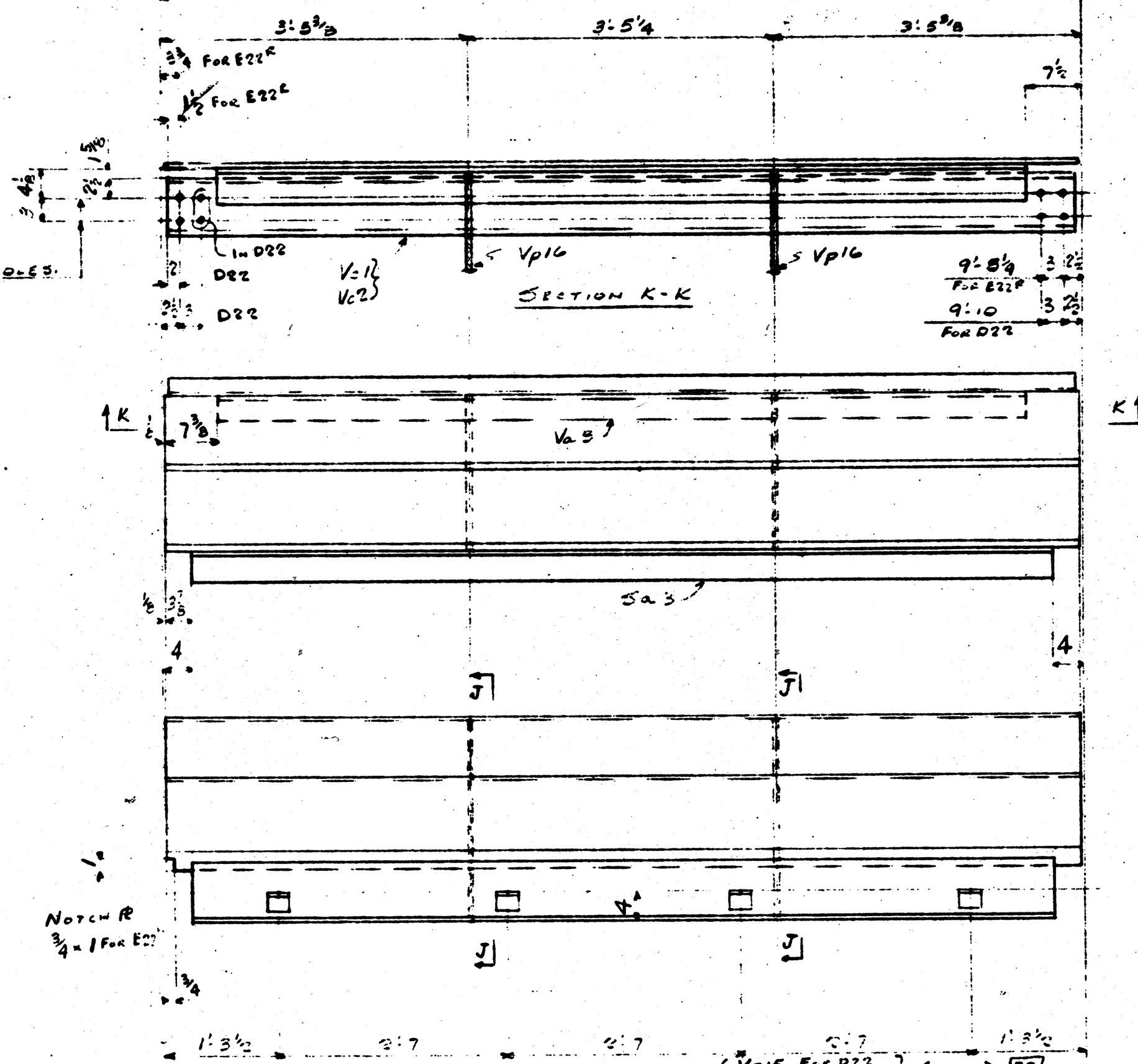
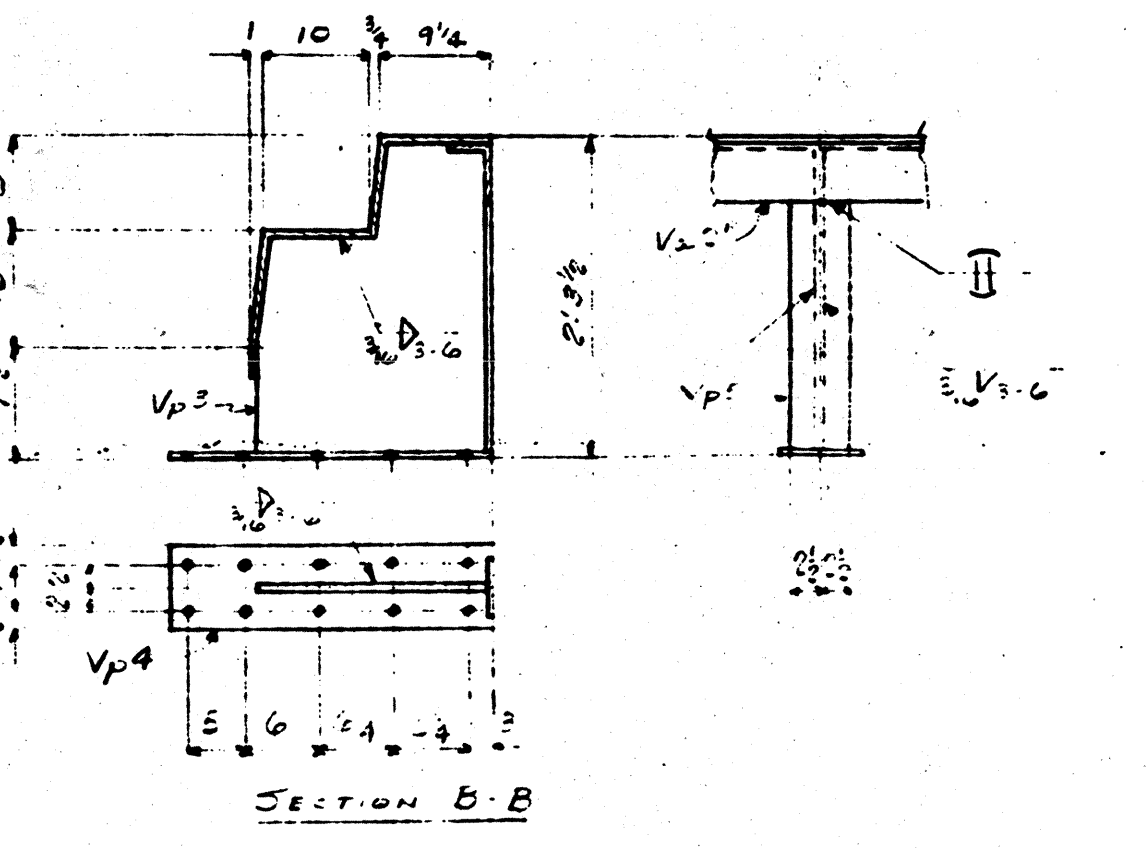
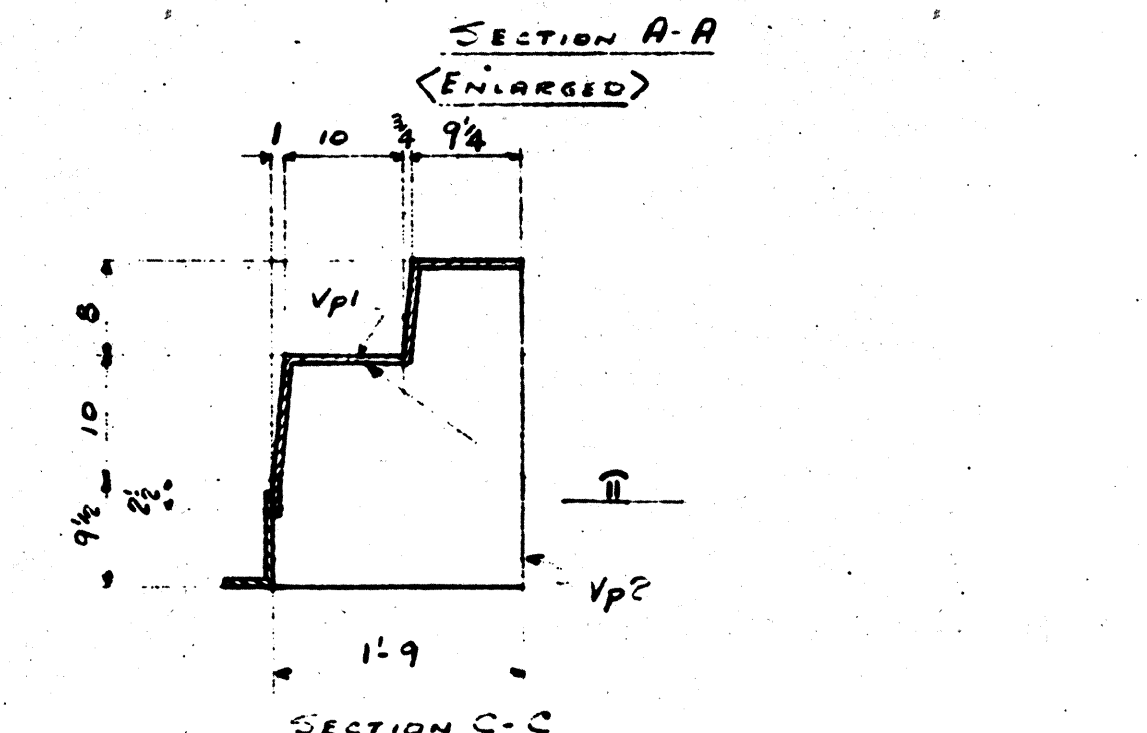
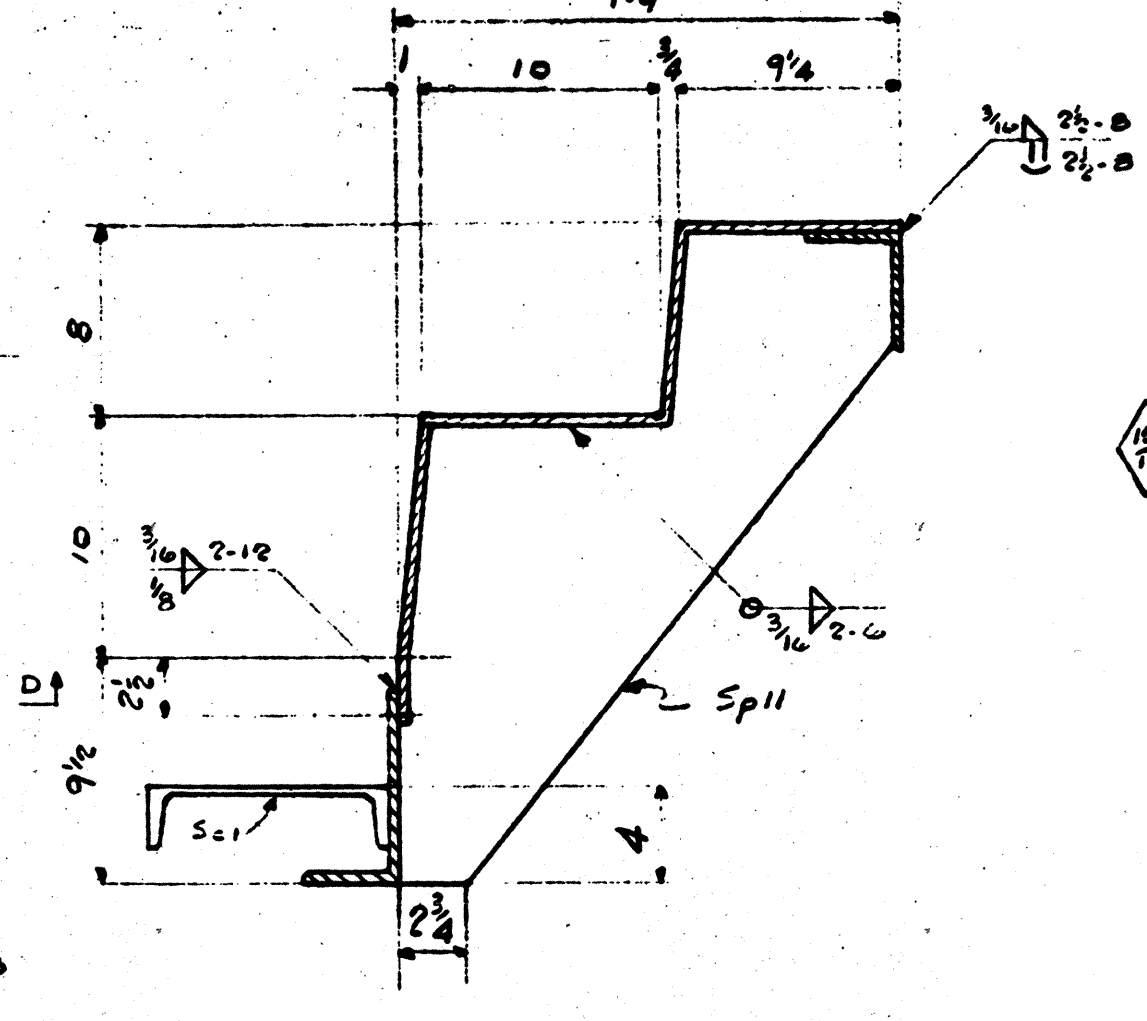
Bridge & Tank
 Company of Canada Limited

HAMILTON BRIDGE DIVISION HAMILTON, ONTARIO
 MADE BY: E.C.H. STARTED: 1963 CONTRACT NO. 17
 CHECKED BY: J.P. STARTED: 1963 CONTRACT NO. 17
 DRAWN BY: J.P. STARTED: 1963 CONTRACT NO. 17

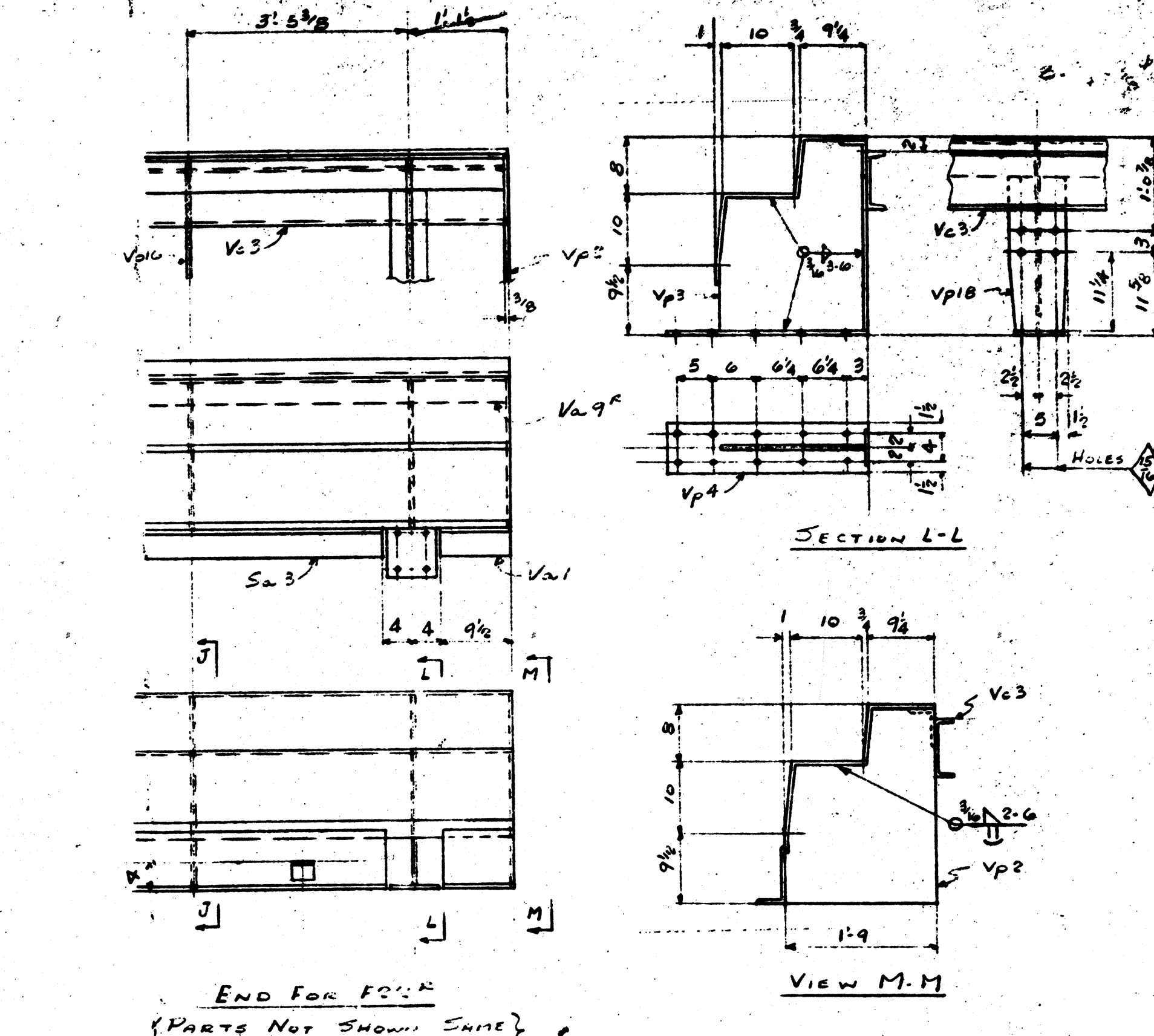
SHOP BILLS: A, B, C, D, NORTH TOWER, E, F, G, H, SOUTH TOWER.



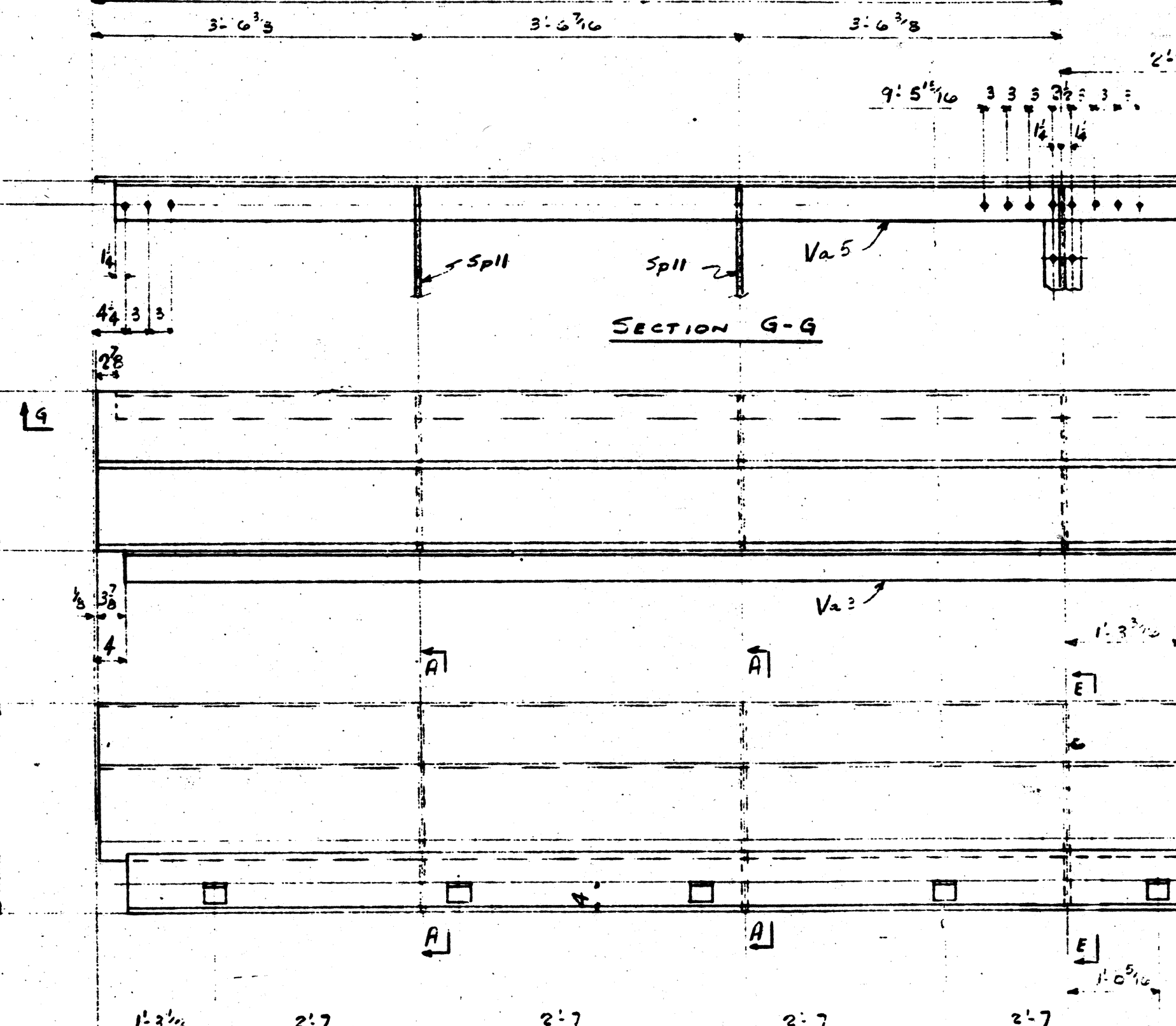
- 1-R 38^{1/2} x 3/8 x 11-5/8 Vp1 (BENT) [50]
 - 1-L 8 x 4 x 1/2 x 9-5/8 Sa 3 [31]
 - 1-L 5 x 3 1/2 x 3/8 x 11-0 1/2 Va 2^R [37]
 - 2-STIFF IRs 20 3/8 x 3/8 x 2-3/8 Sp11
 - 1-R 21 x 1/2 x 2-3/8 Vp2
 - 1-R 20 1/4 x 3/8 x 2-2 3/4 Vp3
 - 1-R 7 x 3/8 x 2-3 3/4 Vp4
 - 1-R 5 x 1/2 x 1-9 3/4 Vp5
 - 4-LS 10 x 2 1/2 x 1/4 x 11-3/4 x 3-5/16 [125]
- 1-Roadway CURB - A22^R (RIGHT)
1-Roadway CURB - A22^L (LEFT)



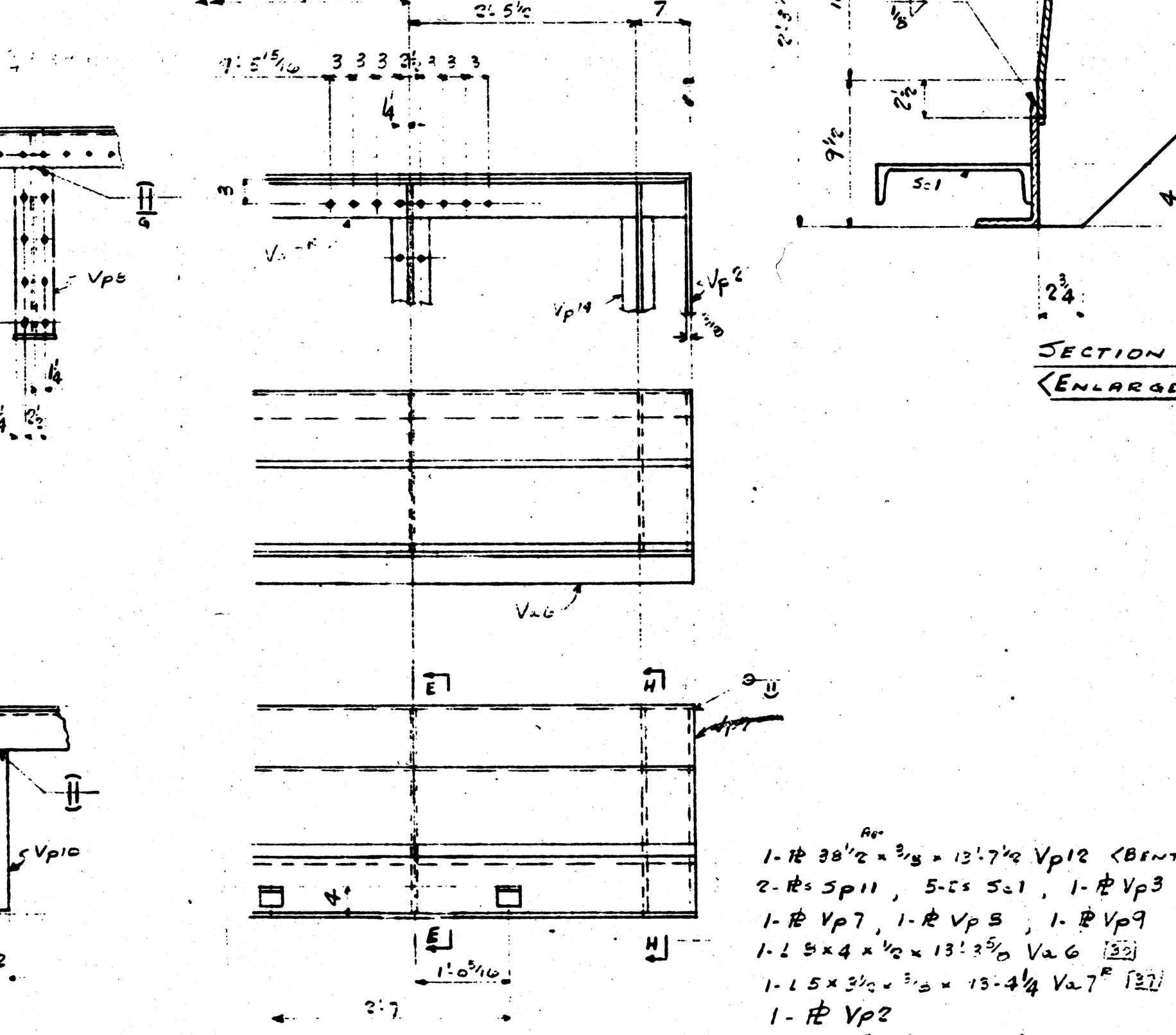
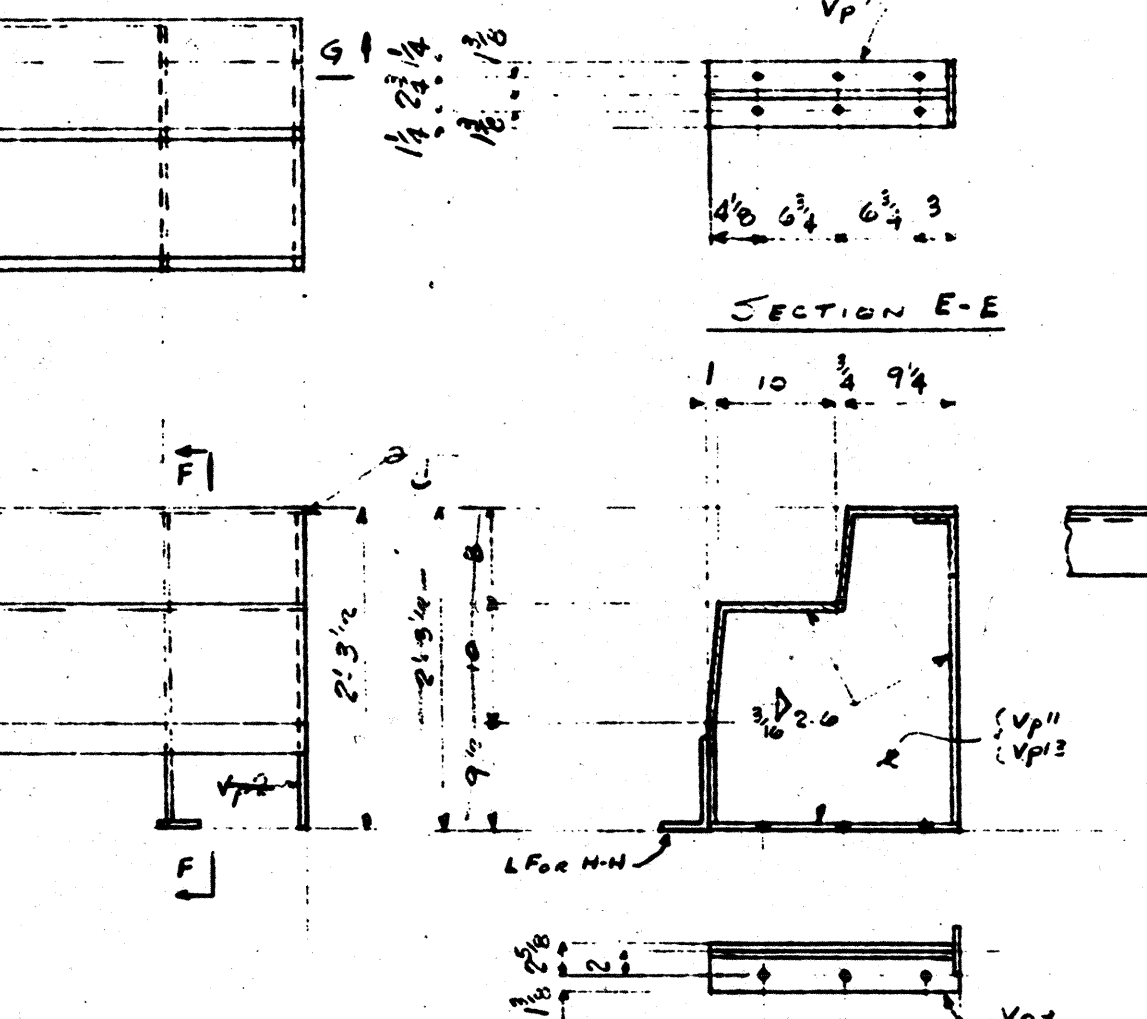
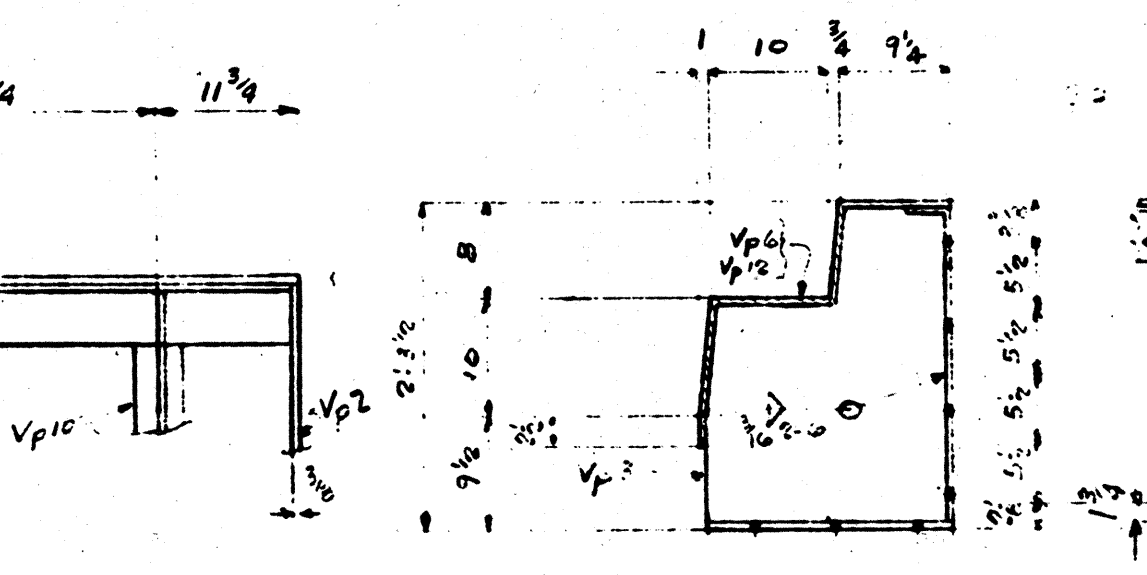
- 1-R 38^{1/2} x 3/8 x 10-3 3/4 Vp15 (BENT) [50]
 - 1-E 8 x 2 3/8 x 3/8 C18.75 x 10-1 1/8 Va 9^R [37]
 - 1-L 5 x 3 1/2 x 3/8 x 9-1 Va 8 [37]
 - 2-STIFF IRs 21 x 3/8 x 2-3 3/8 Vp16 [32]
 - 4-LS Sa 1
- 4 - ROADWAY CURB - D22
1 - ROADWAY CURB - E22^R (RIGHT)
1 - ROADWAY CURB - E22^L (LEFT)



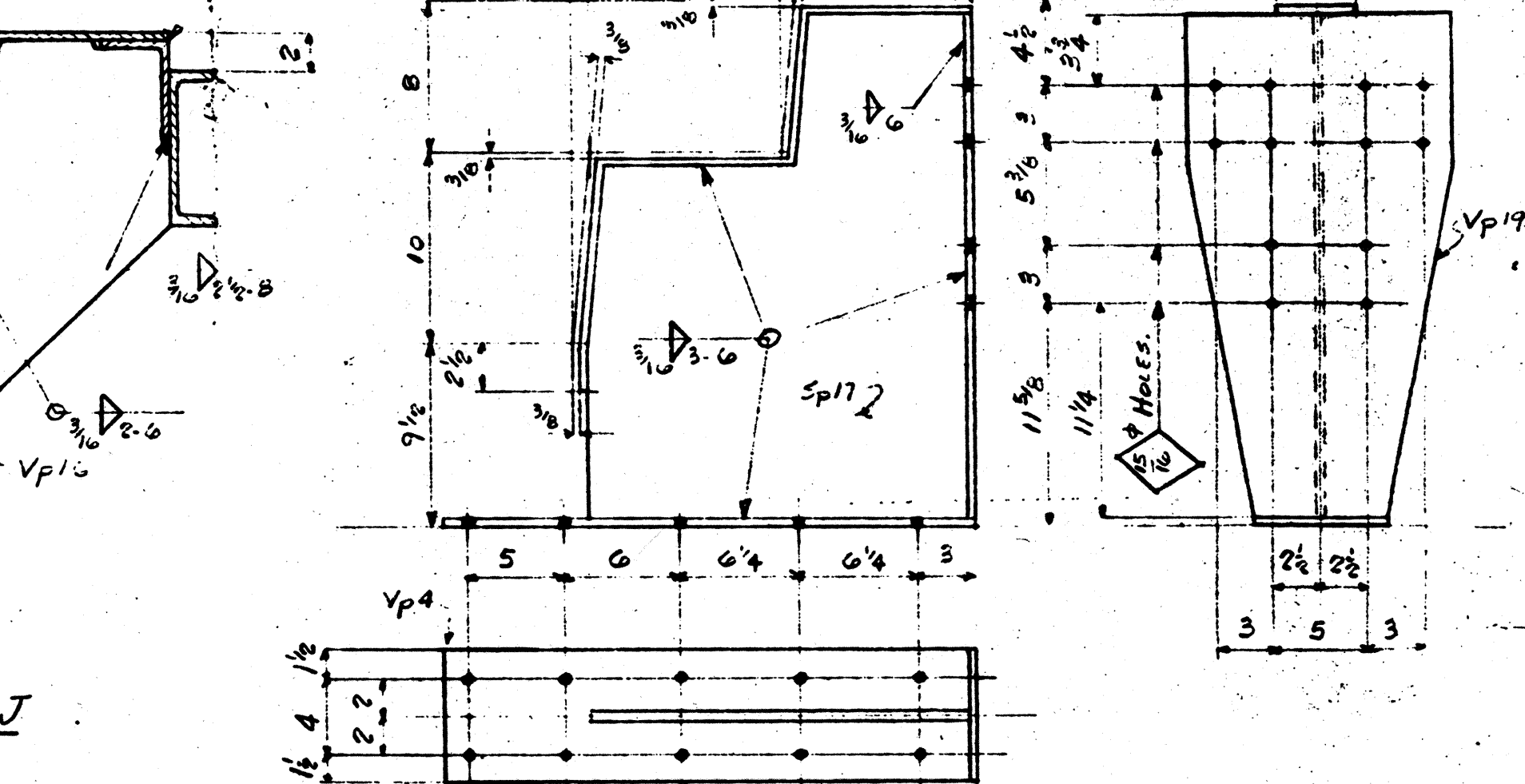
- 1-R 38^{1/2} x 3/8 x 11-5/8 Vp17 [50]
 - 1-E 8 x 2 1/2 x 3/8 C18.75 x 11-5/8 Va 3 [40]
 - 1-L 5 x 3 1/2 x 3/8 x 10-1 1/8 Va 9^R [37]
 - 2-STIFF IRs Vp16 1-L Sa 2, 1-L Va 1
 - 1-R 8 x 3/8 x 11-9 3/4 Vp15 [50]
 - 1-R Vp2
 - 1-R Vp3
 - 4-LS Sa 1
 - 1-R Vp4
- 1-Roadway CURB - F22^R (RIGHT)
1-Roadway CURB - F22^L (LEFT)



- 1-R 38^{1/2} x 3/8 x 14-2 Vp6 (BENT) [50]
 - 2-Rs 20 3/8 x 3/8 x 2-3 3/8 Sp11 [47]
 - 5-LS Sa 1
 - 1-R Vp3
 - 1-R 5 1/2 x 3/8 x 1-8 3/8 Vp7 [50]
 - 1-R 5 1/2 x 3/8 x 1-9 3/4 Vp8 [50]
 - 1-R 4 x 3/8 x 1-9 Vp7 [50]
 - 1-R 4 x 3/8 x 1-9 Vp7 [50]
 - 1-R 4 x 3/8 x 1-9 Vp7 [50]
 - 1-L 5 x 3 1/2 x 3/8 x 13-10 3/4 Va 5 [37]
 - 1-L 8 x 4 x 1/2 x 11-0 1/2 Va 3 [37]
 - 1-R Vp2
- 1-Roadway CURB - B22



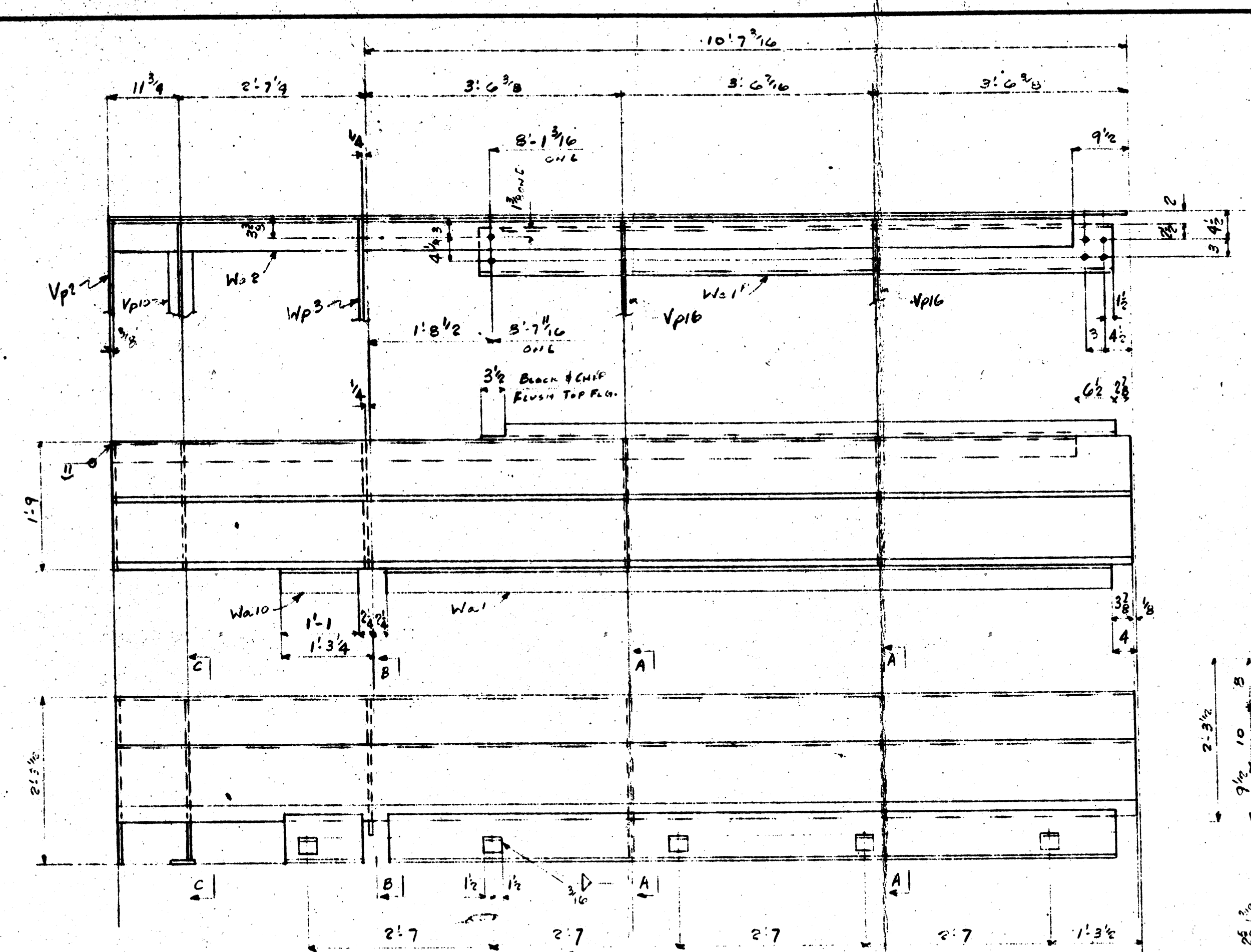
- 1-R 38^{1/2} x 3/8 x 13-7 1/2 Vp12 (BENT) [50]
 - 2-Rs Sp11, 5-LS Sa 1, 1-R Vp3
 - 1-R Vp7, 1-R Vp8, 1-R Vp9
 - 1-L 5 x 4 x 1/2 x 13-7 1/2 Va 6 [37]
 - 1-L 5 x 3 1/2 x 3/8 x 13-4 1/4 Va 7^R [37]
 - 1-R Vp2
 - 1-R 20 3/8 x 3/8 x 2-2 3/8 Vp13 [41]
 - 1-R 4 x 3/8 x 1-9 3/4 Vp10 [41]
- 1-Roadway CURB - C22^R (RIGHT)
1-Roadway CURB - C22^L (LEFT)



- 1-R 19 3/8 x 3/8 x 2-2 3/8 Sp17
 - 1-R 4 x 3/8 x 3-1 1/2 Sp20 (BENT)
 - 1-R 14 x 3/8 x 2-2 3/8 Vp19
 - 1-R Vp4
- 6-CURB SUPPORTS - G22
- | NORTH | | SOUTH | |
|------------------|---|------------------|---|
| A22 ^L | 1 | A22 ^R | 1 |
| B22 | 1 | C22 ^L | 1 |
| D22 | 2 | D22 | 2 |
| E22 ^R | 1 | E22 ^L | 1 |
| F22 ^R | 1 | F22 ^L | 1 |
| G22 | 3 | G22 | 3 |

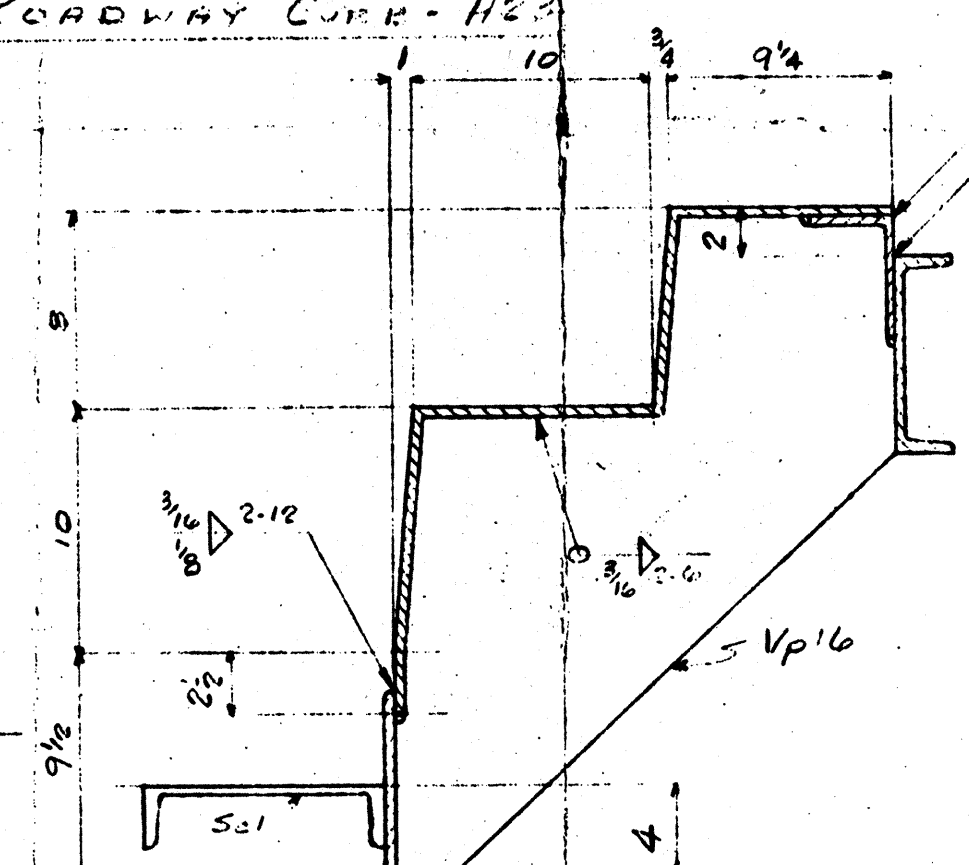
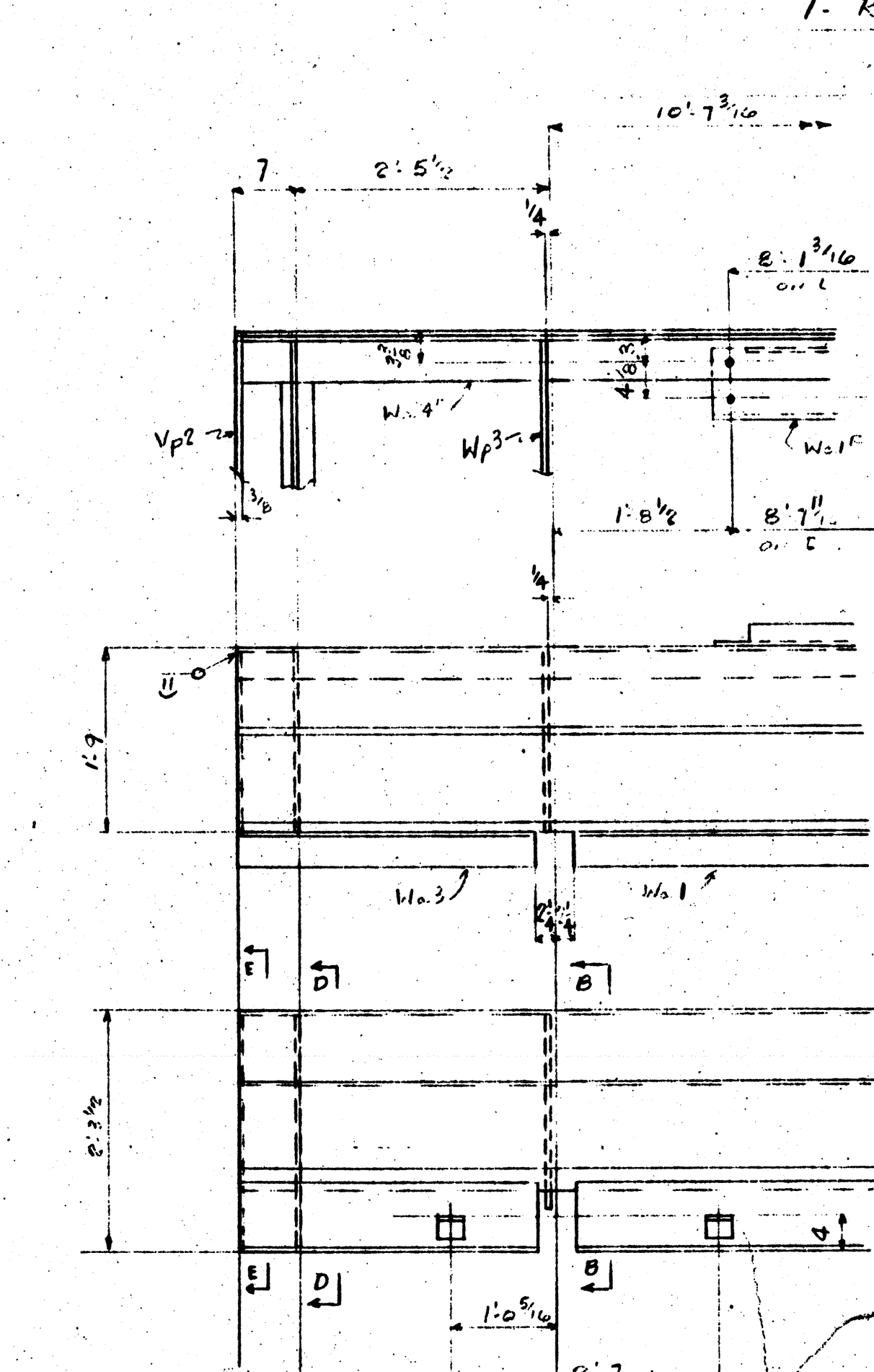
CONT. 9636-IT

NOTES	REVISED 23/26/14	CUSTOMER DEPARTMENT OF PUBLIC WORKS—CANADA
NAME OF STRUCTURE BURLINGTON CANAL LIFT BRIDGE	DESIGNED BY C. C. PARKER & ASSOCIATES LTD.	NAME OF STRUCTURE BURLINGTON CANAL LIFT BRIDGE
STRUCTURE BY C. C. PARKER & ASSOCIATES LTD.	TITLE OF DRAWING ROADWAY CURB DETAILS	BRIDGE & TANK
DESIGNED BY C. C. PARKER & ASSOCIATES LTD.	DATE OF DRAWING 1/23/14	Company of Canada Limited
DESIGNED BY C. C. PARKER & ASSOCIATES LTD.	DATE OF DRAWING 1/23/14	HAMILTON BRIDGE DIVISION
DESIGNED BY C. C. PARKER & ASSOCIATES LTD.	DATE OF DRAWING 1/23/14	HAMILTON, ONTARIO
DESIGNED BY C. C. PARKER & ASSOCIATES LTD.	DATE OF DRAWING 1/23/14	MADE BY [Name]
DESIGNED BY C. C. PARKER & ASSOCIATES LTD.	DATE OF DRAWING 1/23/14	CHECKED [Name]
DESIGNED BY C. C. PARKER & ASSOCIATES LTD.	DATE OF DRAWING 1/23/14	WELDING SPEC. C.S.A. W47 & W57
DESIGNED BY C. C. PARKER & ASSOCIATES LTD.	DATE OF DRAWING 1/23/14	SHOP BILL



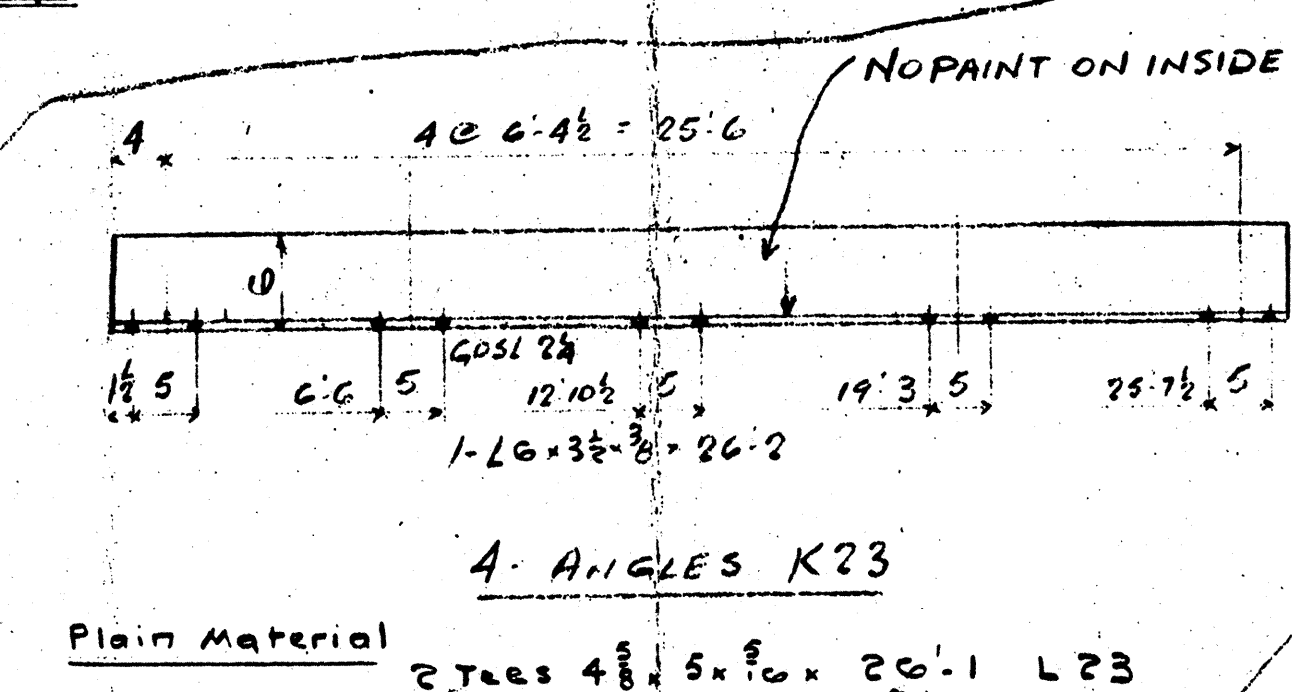
- 2. STRIP #1: 2 1/2" x 3/8" x 2 1/2" Vp16
- 1-R 20 3/8 x 3/8 x 2 1/2" Vp11
- 1-R 4 x 3/8 x 1 1/2" Vp7
- 1-R 4 x 3/8 x 1 1/2" Vp10
- 1-R 20 3/8 x 3/8 x 1 1/2" Vp3

- 1-R 30 1/2 x 3/8 x 1 1/2" Wp1 (cont)
- 1-L 8 x 4 x 1/2 x 10 0 7/8 W3 1 1/2 1-L 8 x 4 x 1/2 x 1 1/2 W4 10 1 1/2
- 1-L 5 x 3 1/2 x 3/8 x 13 1/4 W2 1 1/2
- 5-L 10 x 2 1/2 x 1/4 x 15 x 3 5-L 1 1 1/2
- 1-R Vp2

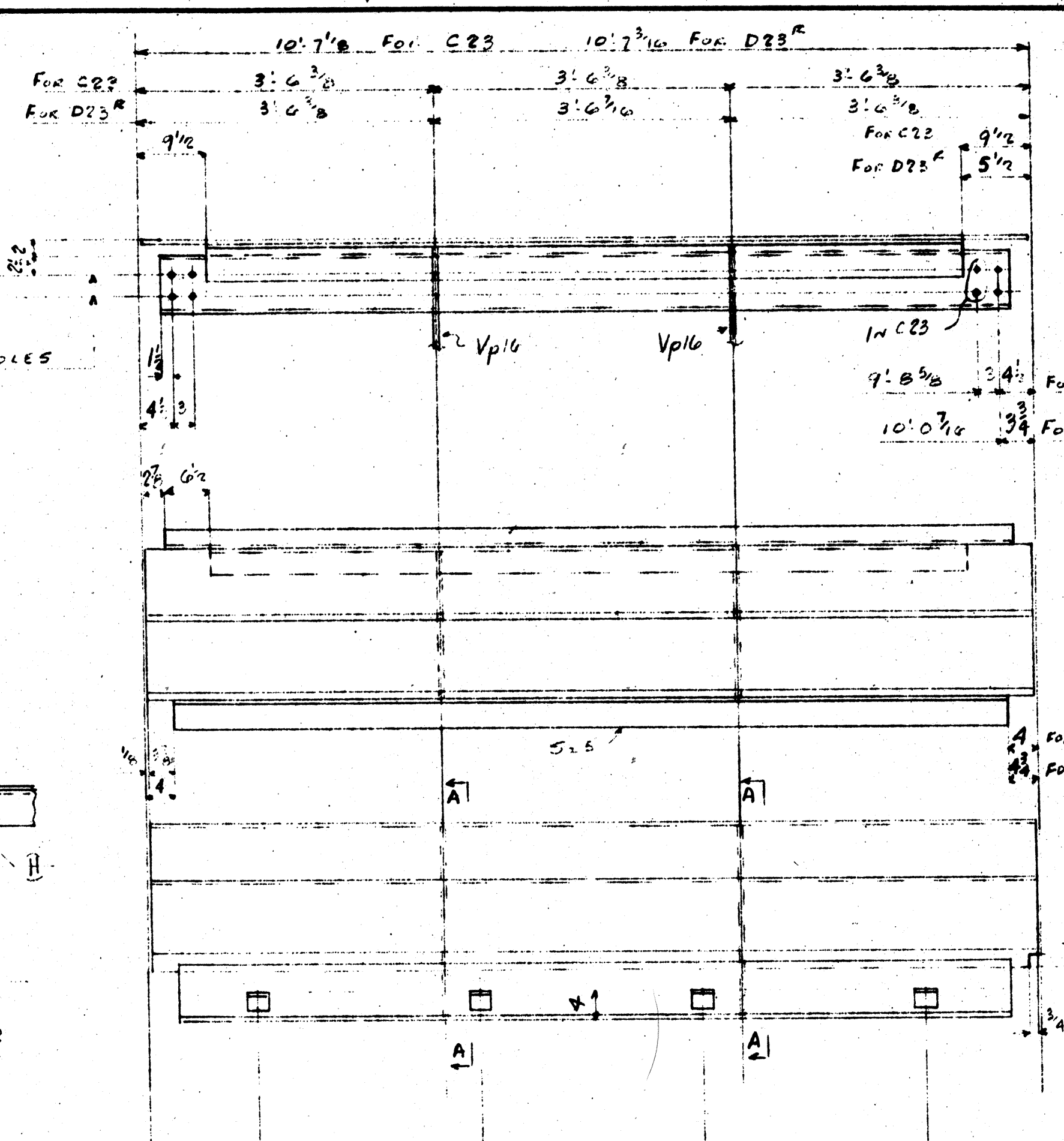
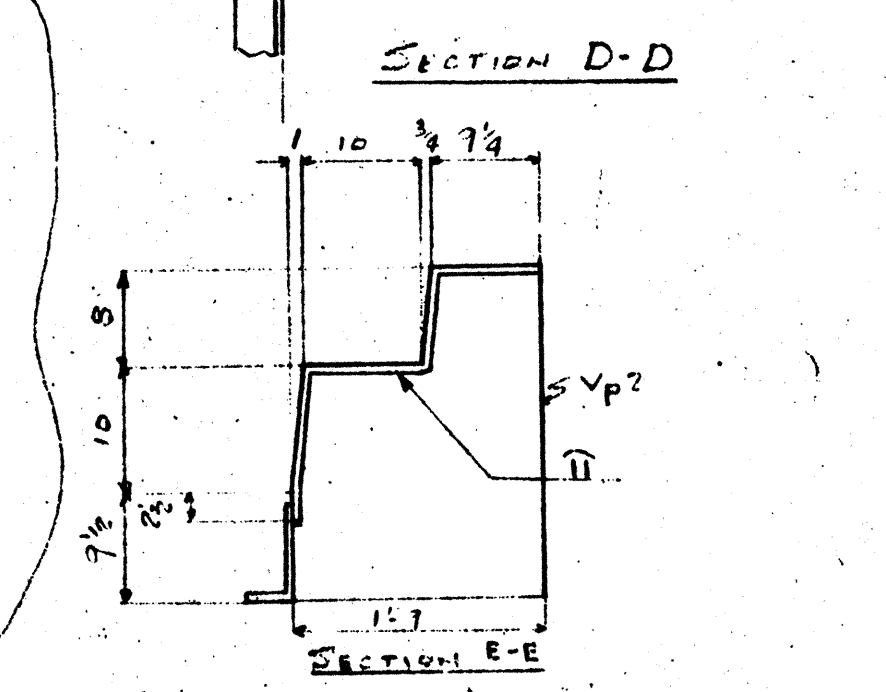
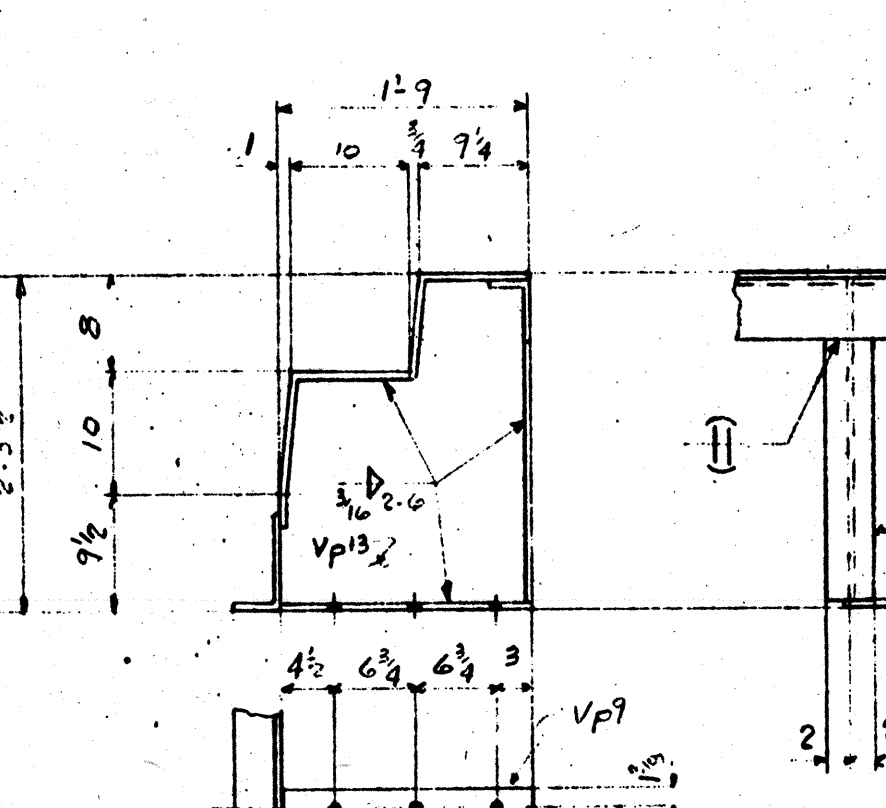
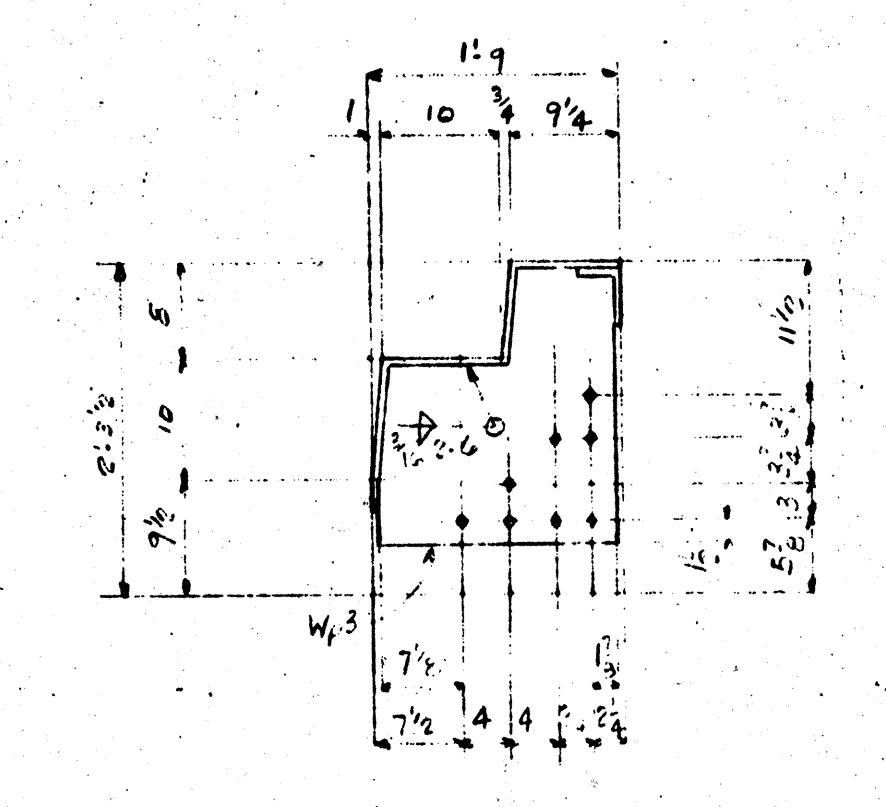
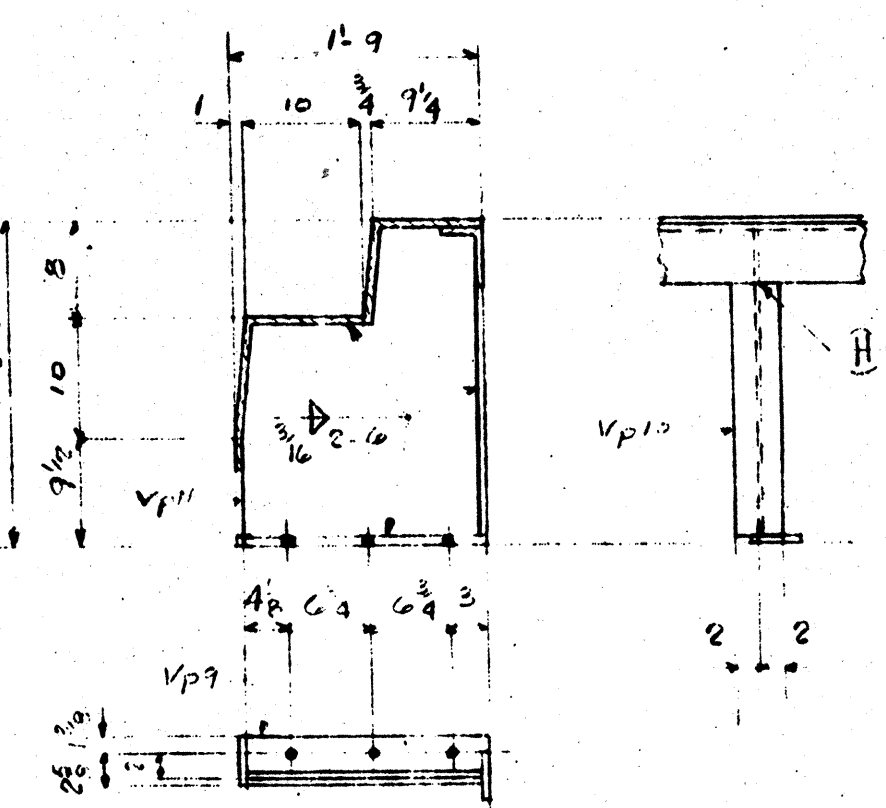


- 1-R 30 1/2 x 3/8 x 1 1/2" Wp6 (cont)
- 1-L Wp1
- 1-L 8 x 4 x 1/2 x 2 10 1/4 W2 1 1/2
- 1-L 5 x 3 1/2 x 3/8 x 12 1/2 W4 1 1/2
- 2. STRIP #1: Vp16
- 1-R Vp2
- 1-L Wp1
- 1-R 2 1/2 x 3/8 x 2 1/2" Vp2 (A1)
- 1-R 4 x 3/8 x 1 1/2" Vp9
- 1-R 20 3/8 x 3/8 x 2 1/2" Vp13 (A1)
- 1-R 4 x 3/8 x 1 1/2" Vp14

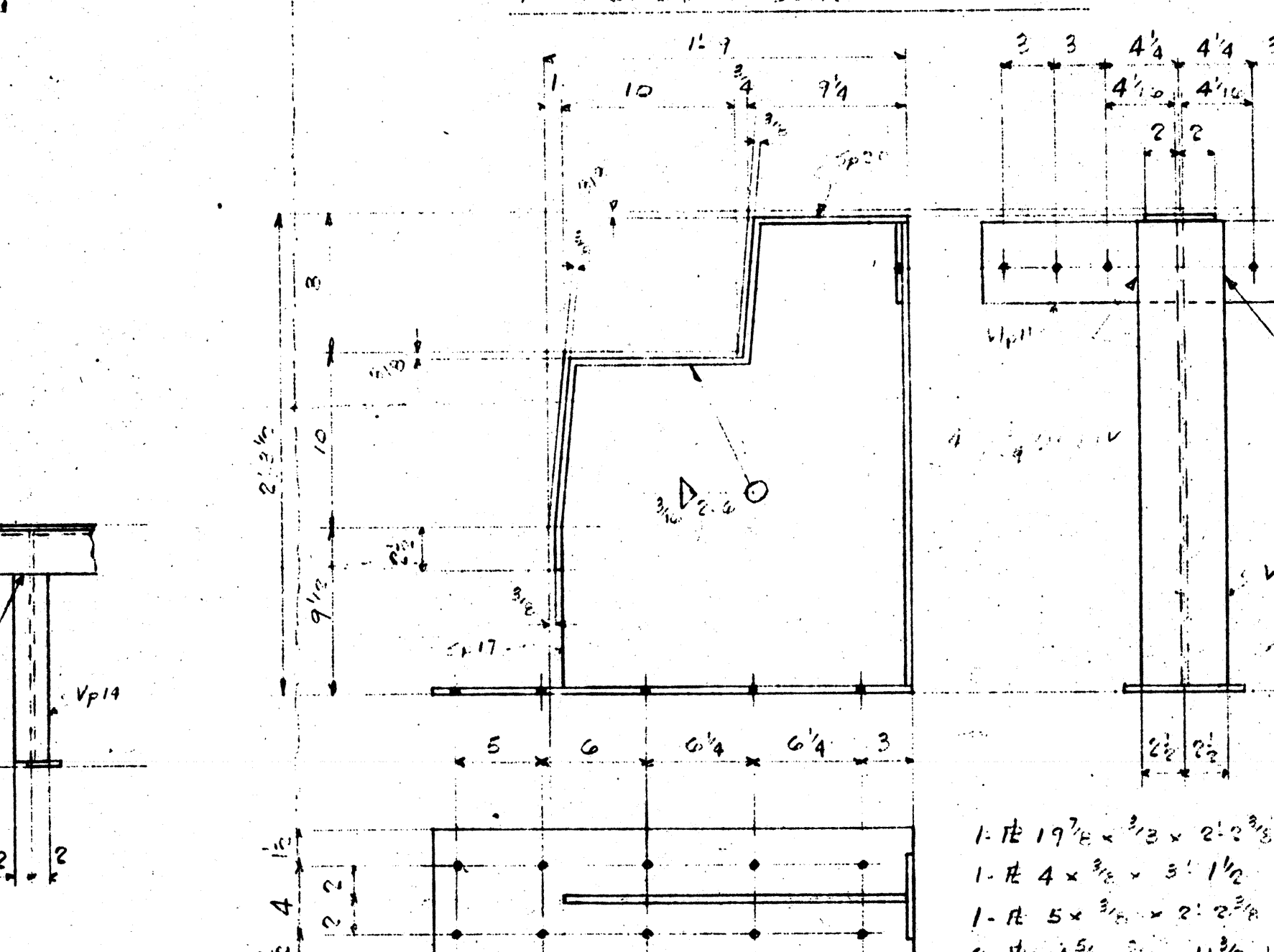
1- ROADWAY CURB - B23 (RIGHT SIDE) (LEFT WAITED)



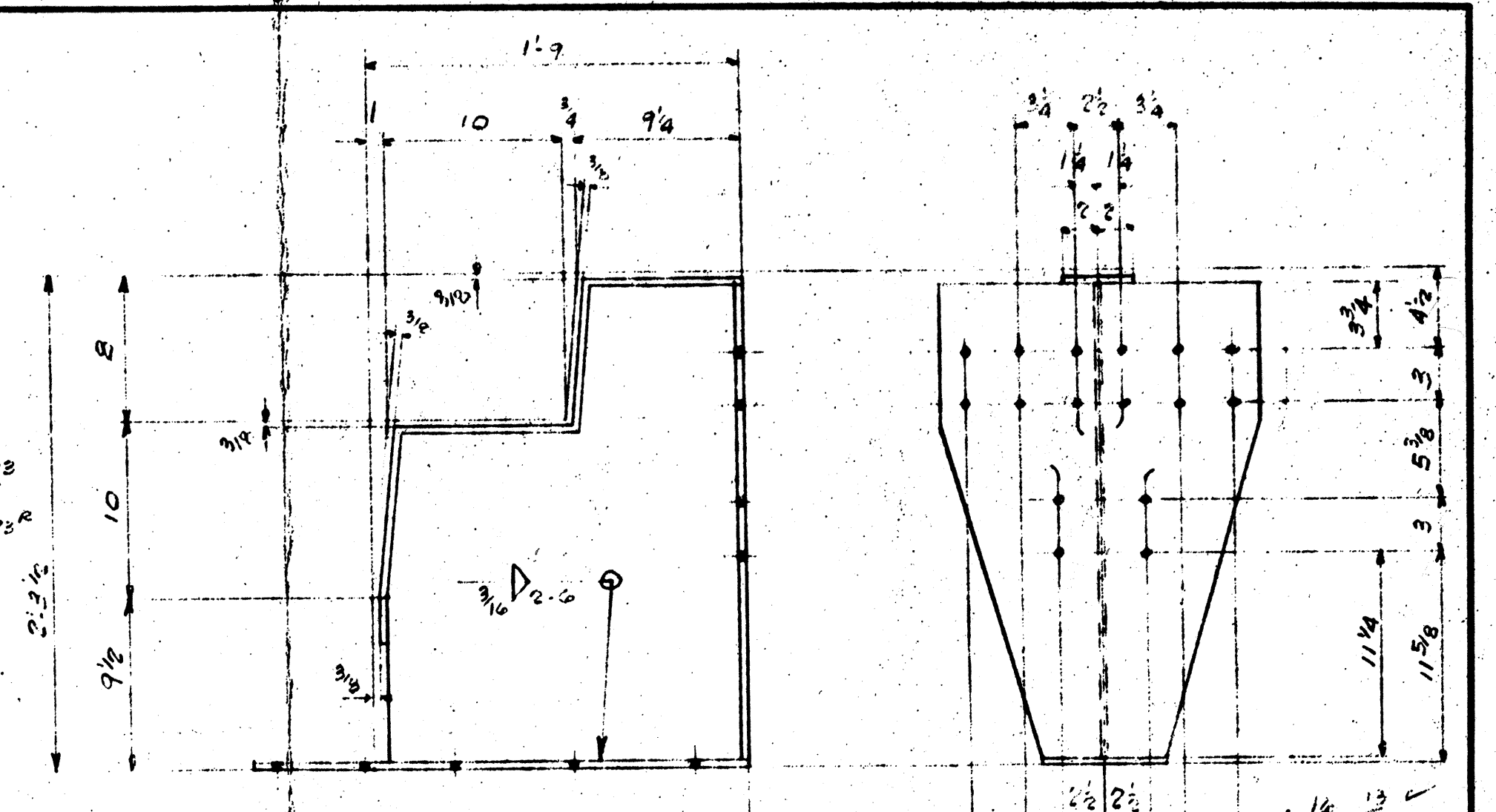
END FOR B23E
{ PARTS NOT SHOWN }
SAME AS A23



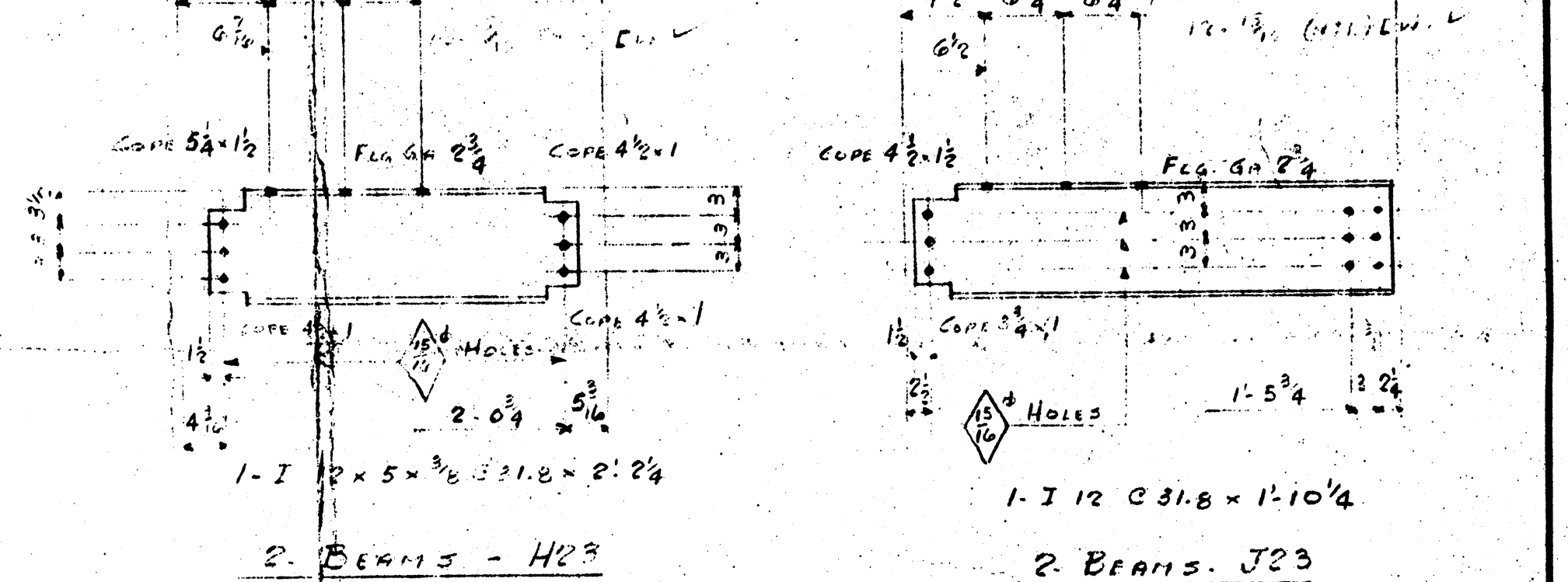
- 1-R 30 1/2 x 3/8 x 1 1/2" Wp9 (cont)
- 1-L 5 x 3 1/2 x 3/8 x 10 0 7/8 W3 1 1/2
- 1-L 5 x 3 1/2 x 3/8 x 10 0 7/8 W3 1 1/2
- 2. STRIP #1: Vp16
- 4-L 5-L



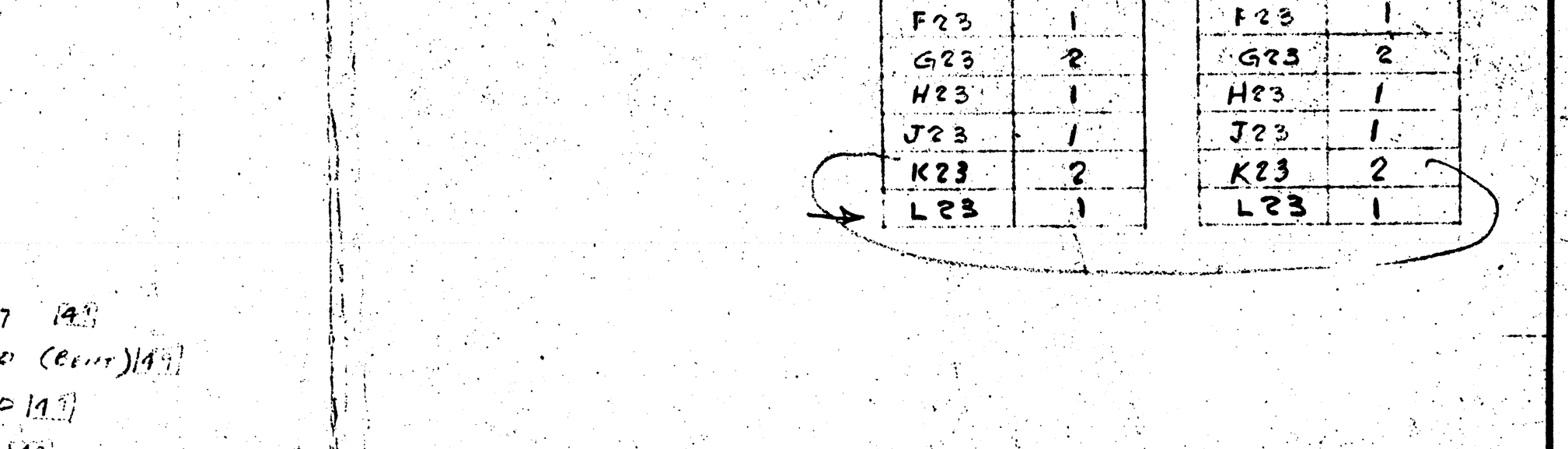
- 6. CURB SUPPORTS - E23
- 2. CURB SUPPORTS - F23



- 1-R Sp17
- 1-R Sp20
- 1-R 7 x 3/8 x 2 1/2" Sp13 (A1)
- 1-R 18 x 3/8 x 2 1/2" Wp13 (A1)



- 1-R 17 1/2 x 3/8 x 2 1/2" Sp17 (A1)
- 1-R 4 x 3/8 x 3 1/2" Sp20 (cont) (A1)
- 1-R 5 x 3/8 x 2 1/2" Wp10 (A1)
- 2-R 4 x 3/8 x 1 1/2" Wp11 (A1)
- 1-R 7 x 3/8 x 2 1/2" Vp4 (A1)
- 1-R 5 1/2 x 3/8 x 1 1/2" Wp12 (A1)



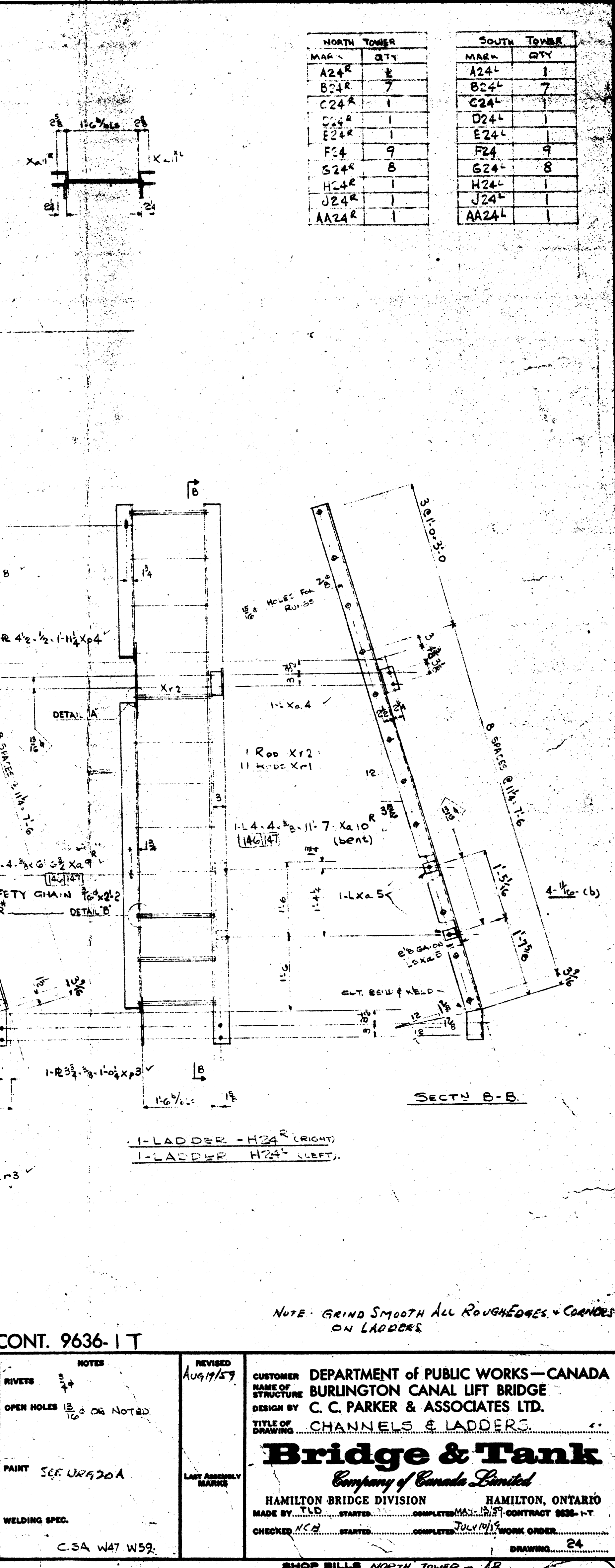
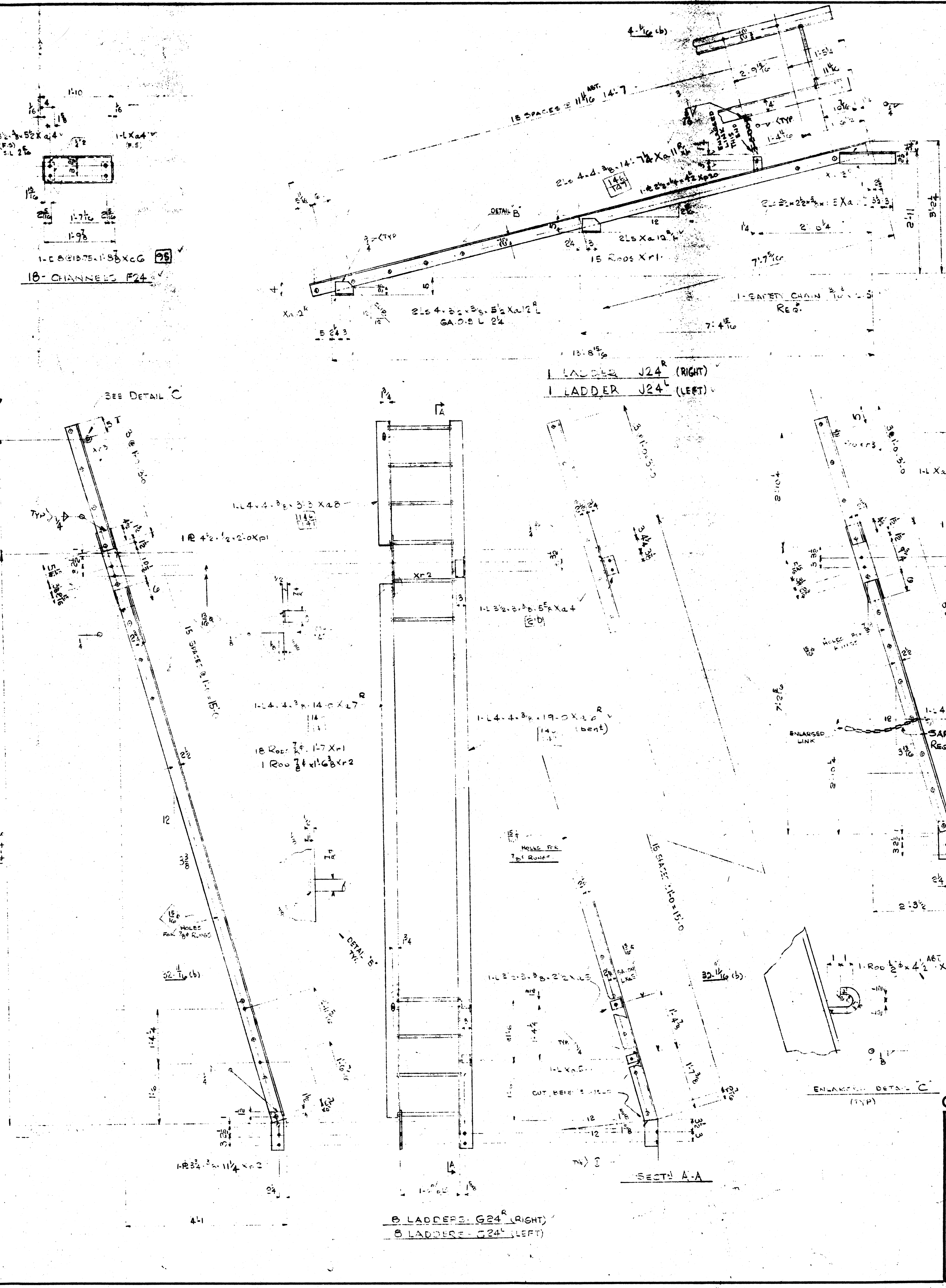
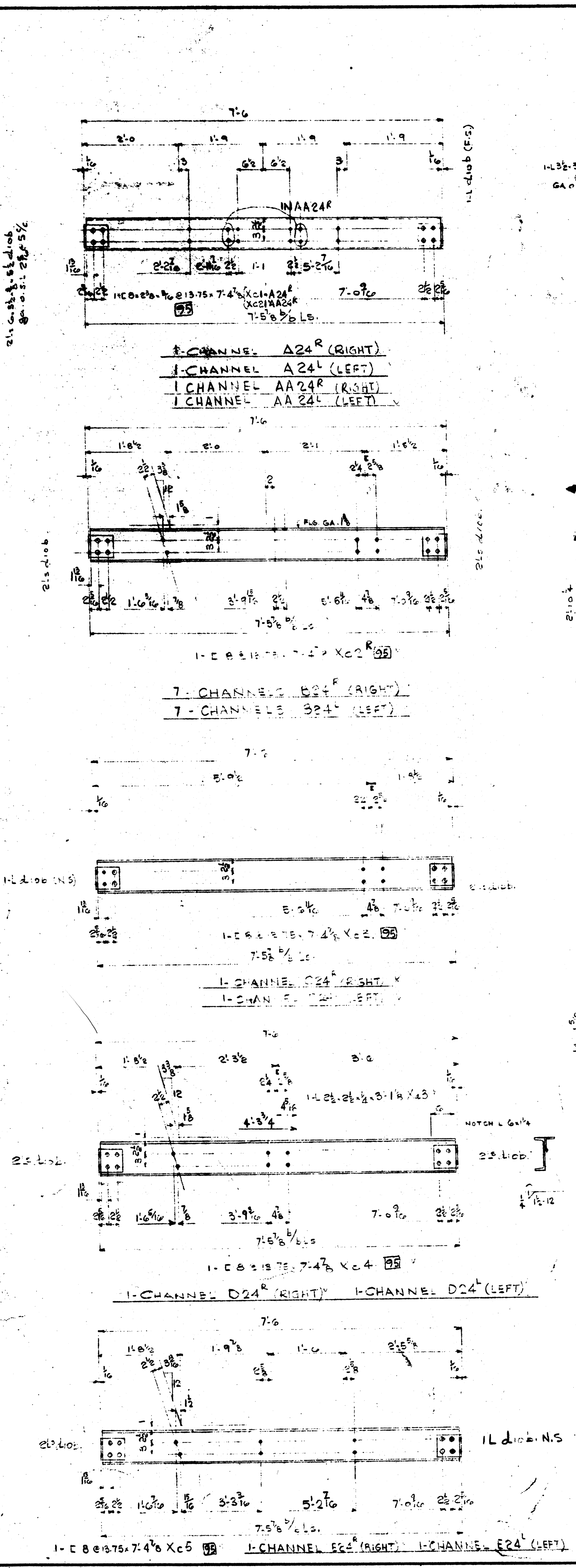
- 2. BEAMS - H23
- 2. BEAMS - J23

NORTH		SOUTH	
MARK	QTY	MARK	QTY
A23	1	B23	1
C23	1	C23	1
D23	1	D23	1
E23	3	E23	3
F23	1	F23	1
G23	2	G23	2
H23	1	H23	1
J23	1	J23	1
K23	2	K23	2
L23	1	L23	1

CONT. 9636-IT

REVISED 23/June/99 10/1/99 18/10/99	NOTES OPEN HOLES 1 1/2" dia PAINT WELDING SPEC. CSA W11.1	CUSTOMER DEPARTMENT OF PUBLIC WORKS - CANADA BURLINGTON CANAL LIFT BRIDGE DESIGN BY C. C. PARKER & ASSOCIATES LTD. TITLE OF DRAWING ROADWAY CURB DETAILS (NORTH & SOUTH)	LAST ASSEMBLY MARKS
<p>Bridge & Tank</p> <p>Company of Canada Limited</p> <p>HAMILTON BRIDGE DIVISION HAMILTON, ONTARIO</p> <p>MADE BY: [blank] STARTED: [blank] COMPLETED: [blank] CONTRACT 9636-IT</p> <p>CHECKED: [blank] DRAWN: [blank]</p>		<p>SHOP BILLS AB NORTH CD SOUTH</p>	

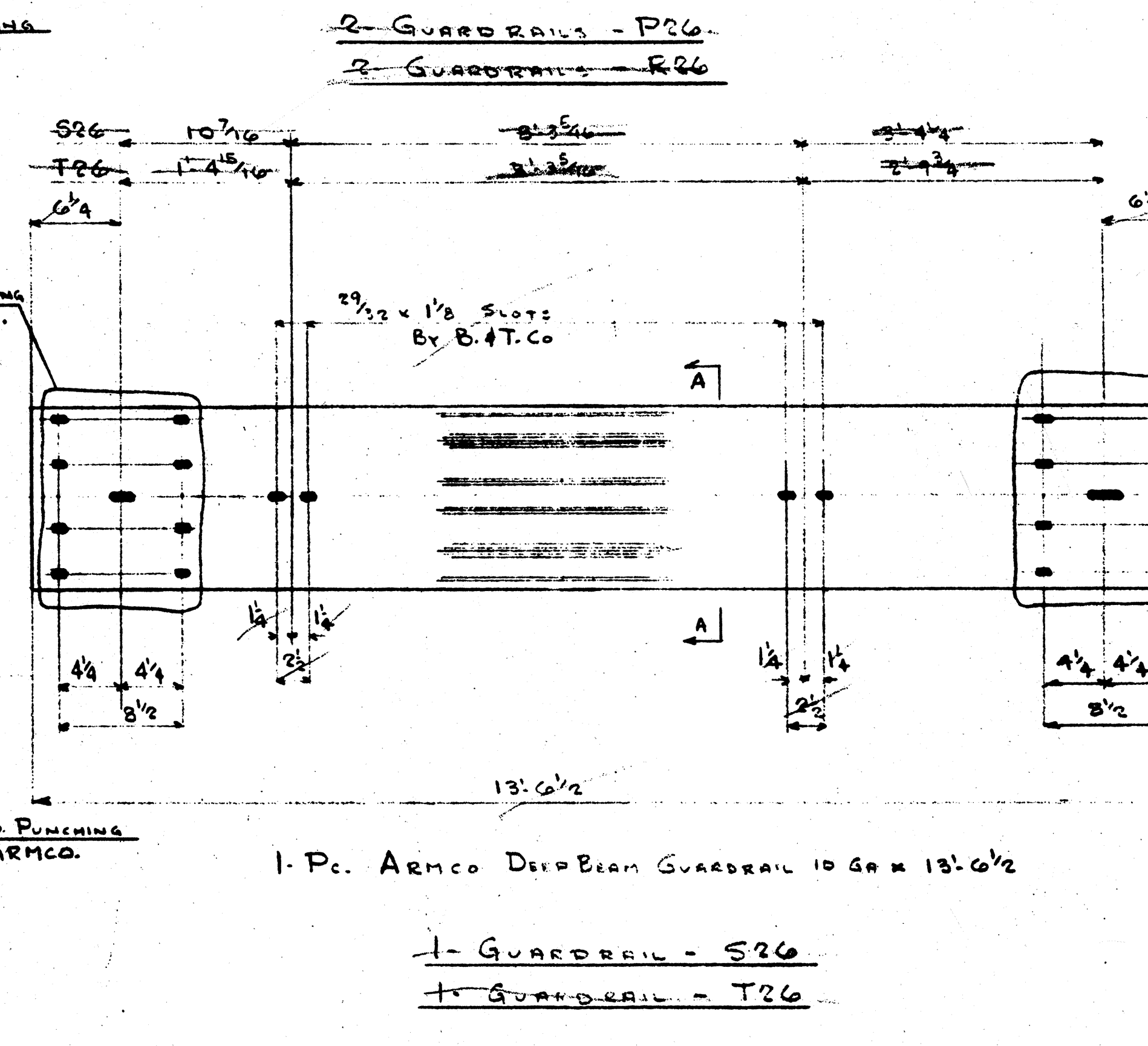
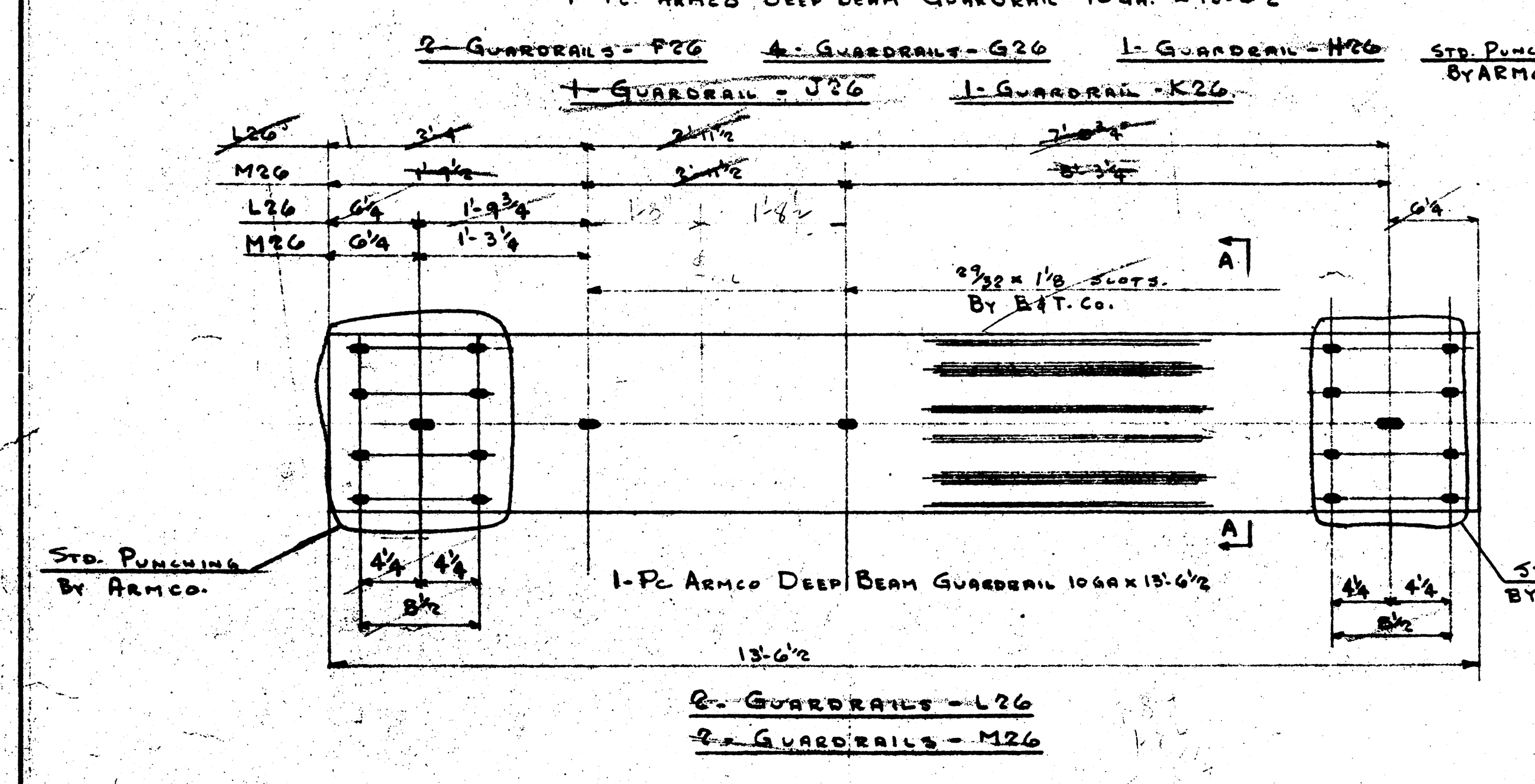
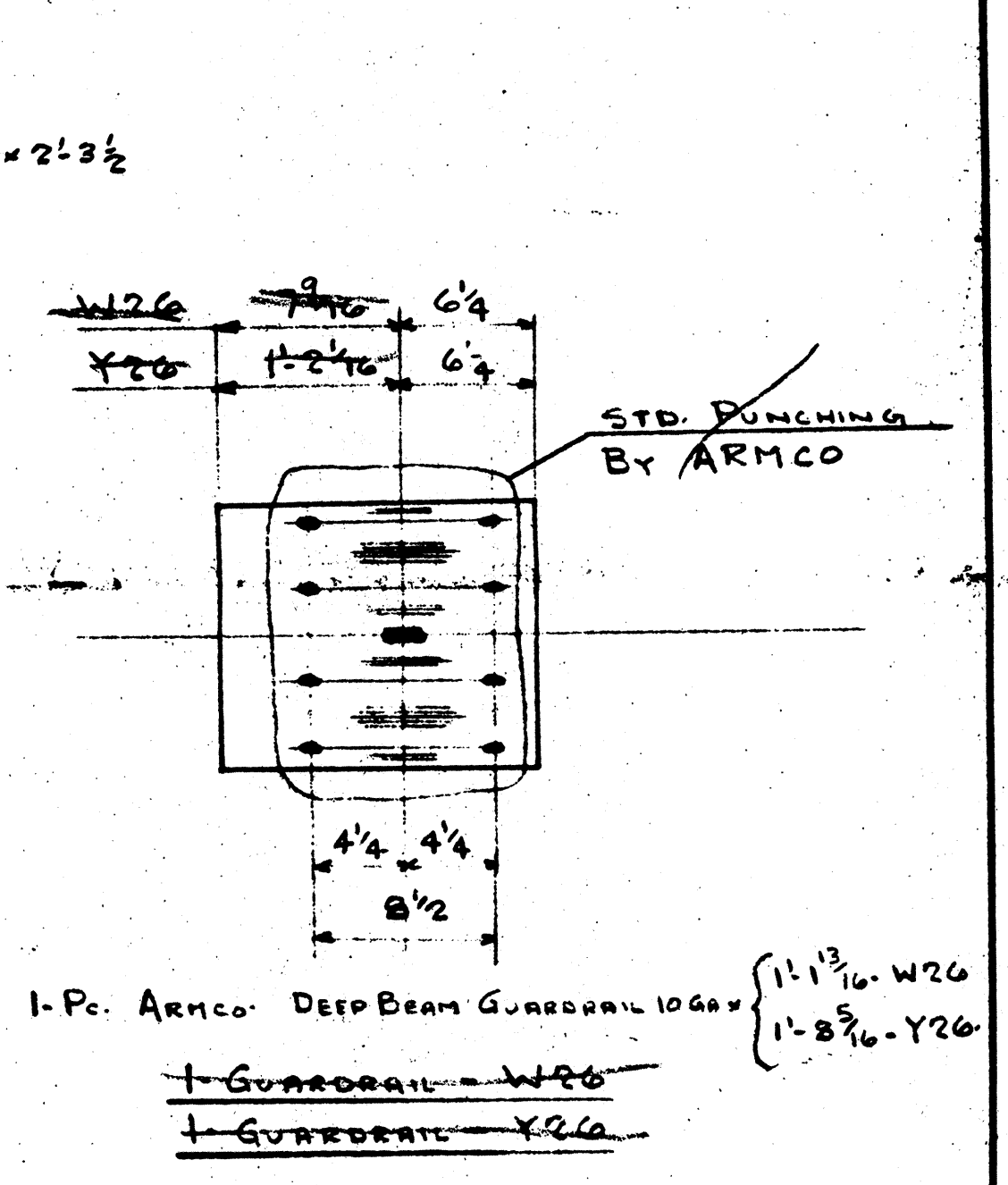
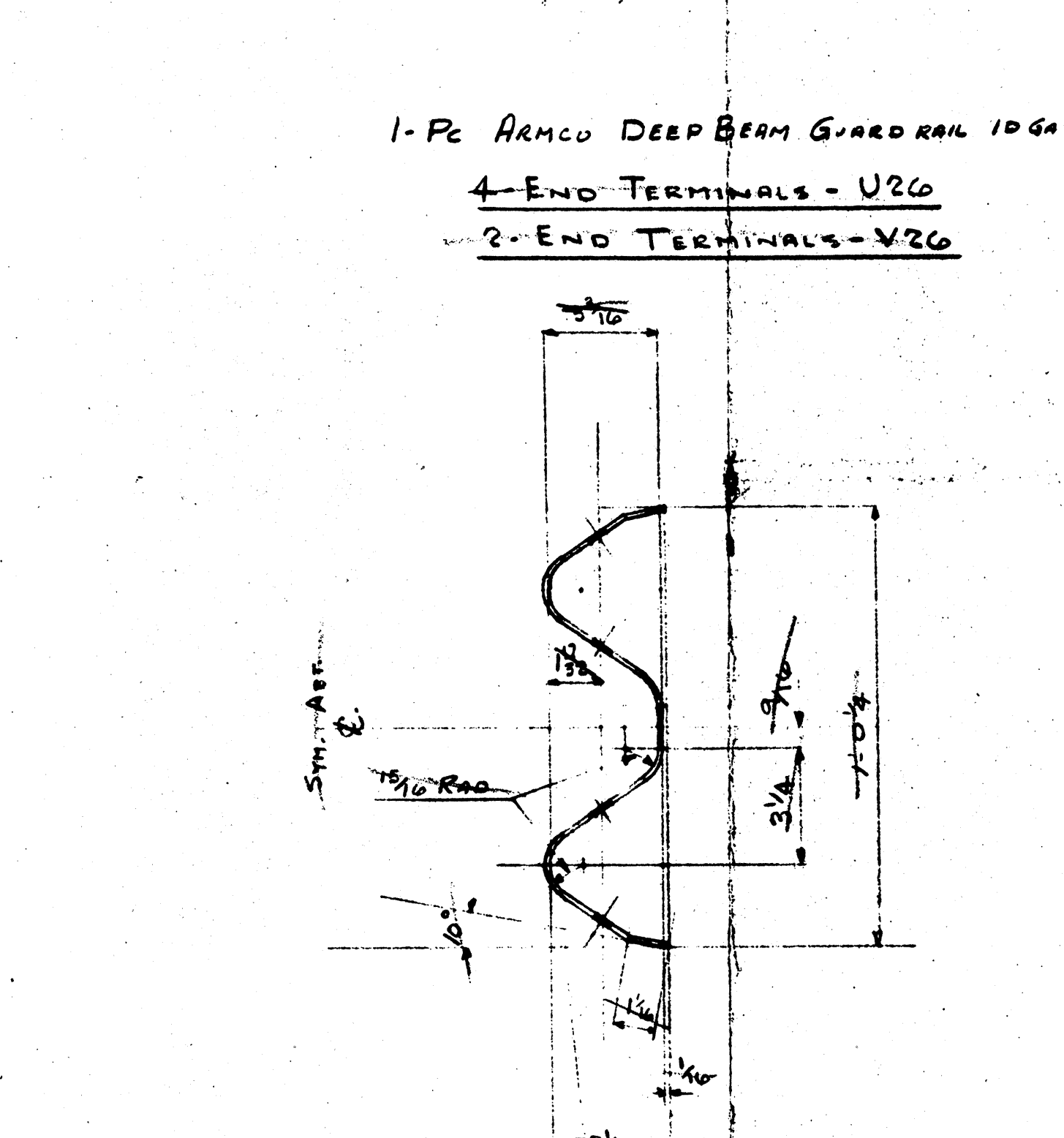
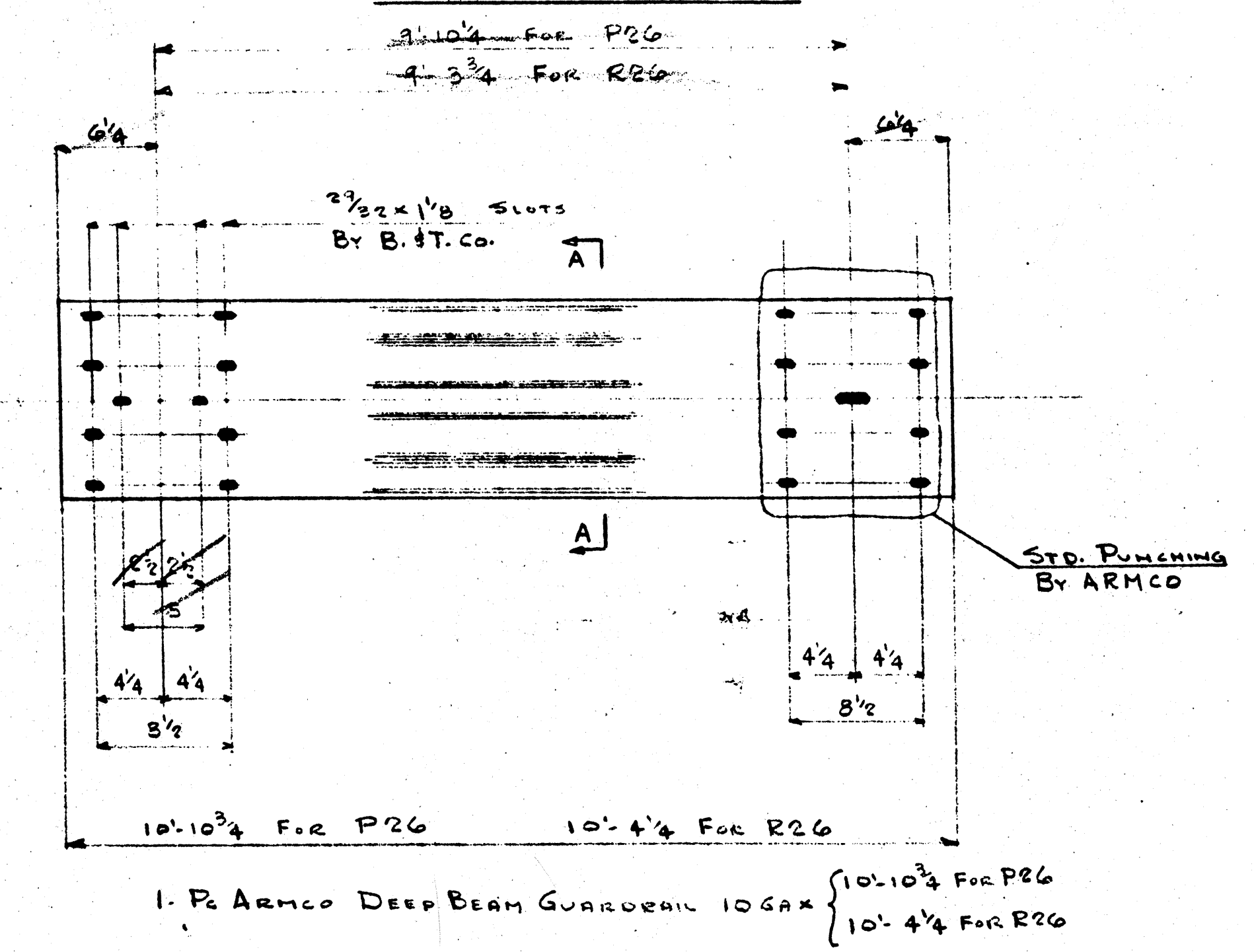
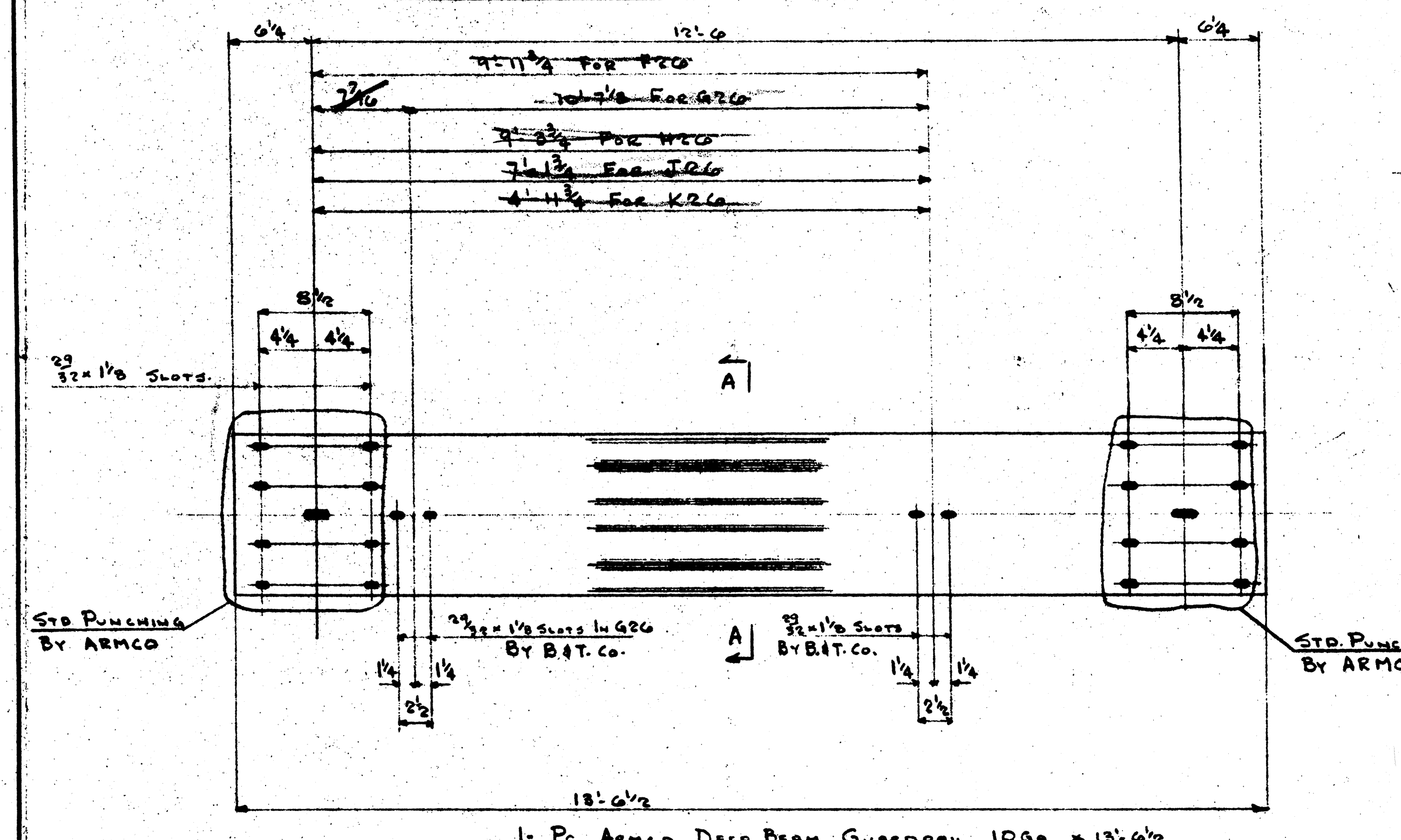
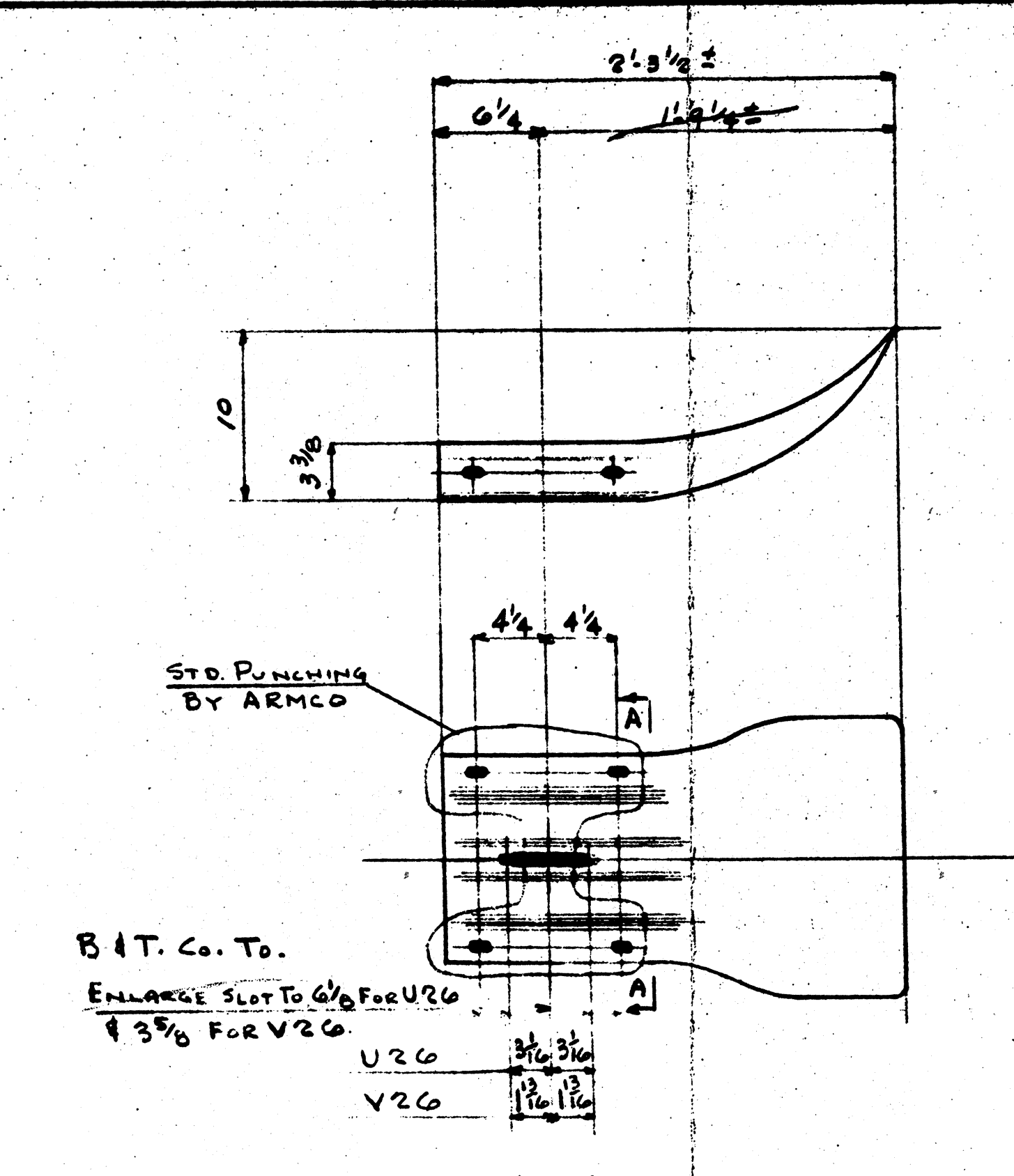
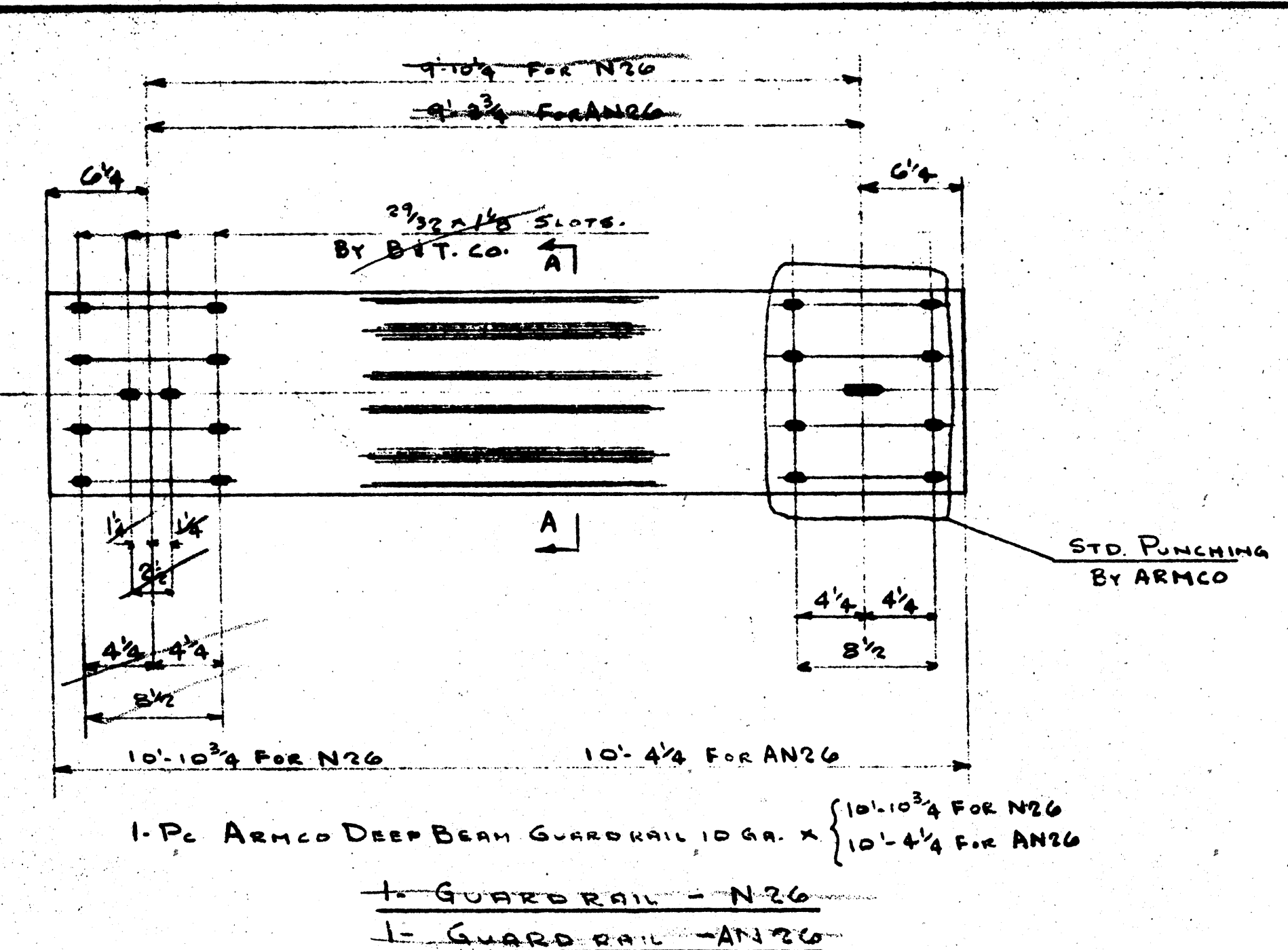
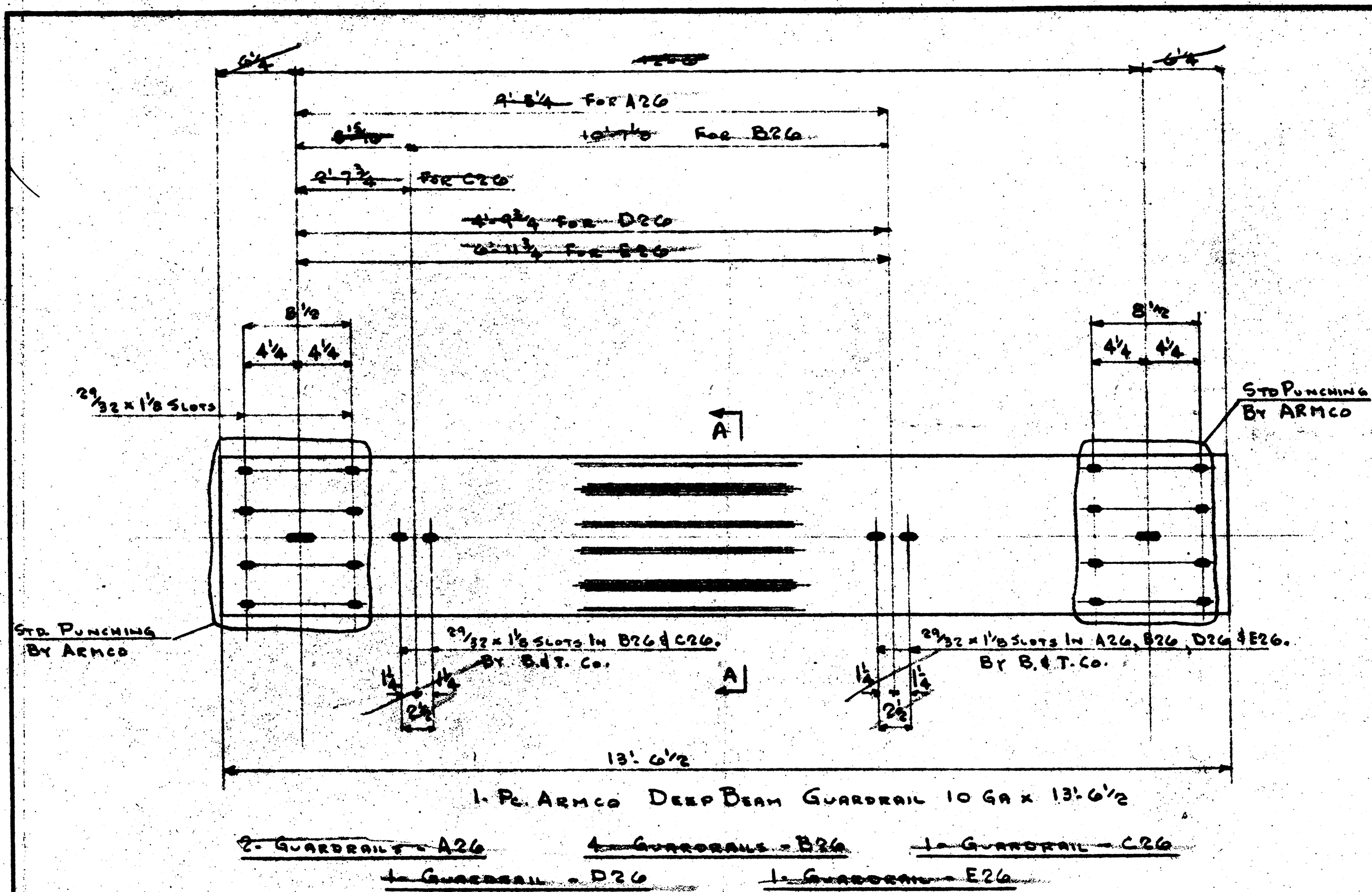
NORTH TOWER		SOUTH TOWER	
MATERIAL	QTY	MATERIAL	QTY
A24 ^R	2	A24 ^L	1
B24 ^R	7	B24 ^L	7
C24 ^R	1	C24 ^L	1
D24 ^R	1	D24 ^L	1
E24 ^R	1	E24 ^L	1
F24 ^R	9	F24 ^L	9
G24 ^R	8	G24 ^L	8
H24 ^R	1	H24 ^L	1
J24 ^R	1	J24 ^L	1
AA24 ^R	1	AA24 ^L	1



CONT. 9636-1 T

<p>NOTES</p> <p>RIVETS 3/4"</p> <p>OPEN HOLES 1/2" OR NOTED</p> <p>PAINT SEE URG 20A</p> <p>WELDING SPEC. CSA W47 W59</p>	<p>REVISED 8/19/57</p> <p>LAST ASSEMBLY MARKS</p>	<p>CUSTOMER: DEPARTMENT OF PUBLIC WORKS - CANADA</p> <p>NAME OF STRUCTURE: BURLINGTON CANAL LIFT BRIDGE</p> <p>DESIGN BY: C. C. PARKER & ASSOCIATES LTD.</p> <p>TITLE OF DRAWING: CHANNELS & LADDERS</p> <p>Bridge & Tank Company of Canada Limited</p> <p>HAMILTON BRIDGE DIVISION HAMILTON, ONTARIO</p> <p>MADE BY T.S.D. STARTED... COMPLETED... CONTRACT 9636-1-T</p> <p>CHECKED K.C.B. STARTED... COMPLETED... WORK ORDER</p> <p>DRAWING 24</p>
---------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

SHOP BILLS NORTH TOWER - AB
SOUTH TOWER - CD



BOLT LIST (Bolts & Nuts Galvanized)

300 - Splice Bolts 3/8" x 1 1/2" With H. Nuts
Button Head & Oval Shoulder.

90 - Post Bolts 5/8" x 2" With H. Nuts
Button Head & Oval Shoulder

ALLOWANCE MADE IN ABOVE QUANTITIES
FOR LOSS OR BREAKAGE

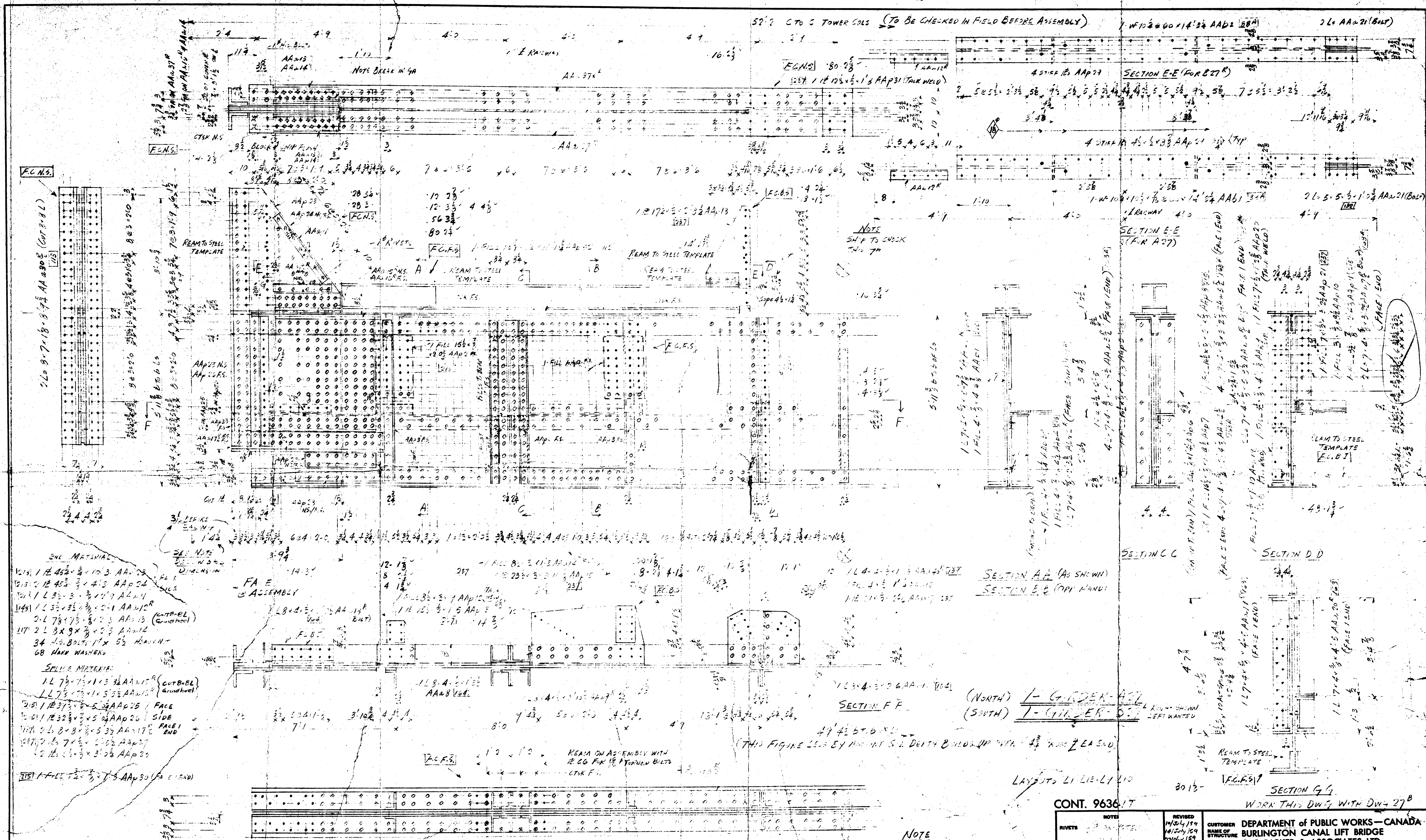
Rev'n No. 63757 FOR ALL MATERIAL

NORTH		SOUTH	
MARK	QTY	MARK	QTY
A26	2	F26	2
B26	4	G26	4
C26	1	H26	1
D26	1	J26	1
E26	1	K26	1
L26	2	M26	2
N26	1	AN26	1
P26	2	R26	2
Q26	1	T26	1
U26	2	U26	2
V26	1	V26	1
W26	150	W26	150
Y26	45	Y26	45
Z26	1	Z26	1

CONT. 9636-1T

NOTES	REVISED	CUSTOMER: DEPARTMENT OF PUBLIC WORKS—CANADA NAME OF STRUCTURE: BURLINGTON CANAL LIFT BRIDGE DESIGN BY: C. C. PARKER & ASSOCIATES LTD. TITLE OF DRAWING: GUARDRAIL DETAILS (NORTH & SOUTH TOWERS) (Approved) Bridge & Tank <i>Company of Canada Limited</i> HAMILTON BRIDGE DIVISION HAMILTON, ONTARIO MADE BY: [] STARTED: [] COMPLETED: [] CONTRACT NO. 9636-1T CHECKED: [] DRAWN: [] WORK ORDER: [] SHOP BILLS
RIVETS	DATE	
OPEN HOLES AS NOTED		
PAINT		
WELDING SPEC.		

OFFICE 2



END MATERIAL

12 1/2 x 4 1/2 x 1/2 AA 24
 12 1/2 x 4 1/2 x 3/4 AA 24
 12 1/2 x 3 1/2 x 3/4 AA 24
 12 1/2 x 3 1/2 x 1/2 AA 24
 2-L 7/8 x 7/8 x 3/4 AA 13 (CUT-BL)
 17 2-L 3/4 x 3/4 x 1/2 AA 13
 34 1/2 x 3/4 x 1/2 52 HARD WASHEN

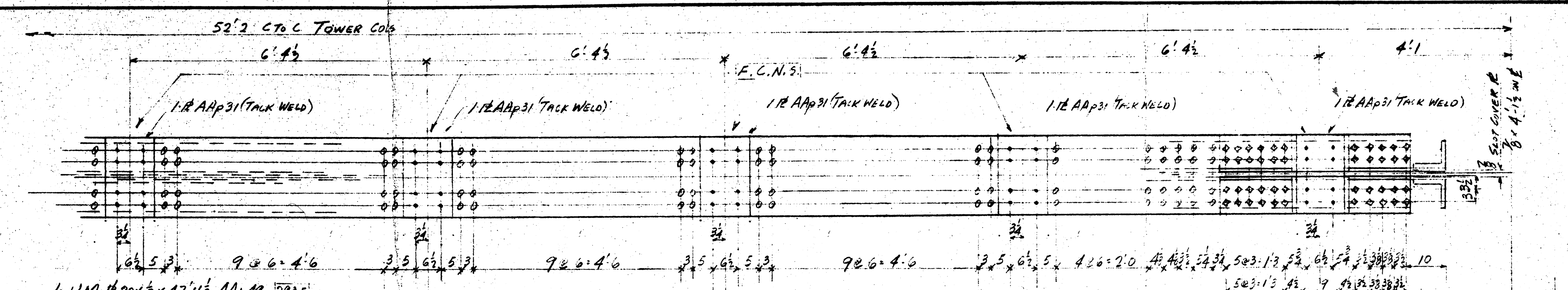
SPILLER MATERIAL

1-L 7/8 x 1 1/8 x 3/4 AA 13 (CUT-BL)
 1-L 7/8 x 1 1/8 x 5/8 AA 13 (CUT-BL)
 2-L 1 1/8 x 3/4 x 5/8 AA 20 (FACE)
 1-L 1 1/8 x 3/4 x 5/8 AA 20 (SIDE)
 1-L 1 1/8 x 3/4 x 5/8 AA 13 (FACE)
 1-L 1 1/8 x 3/4 x 5/8 AA 20 (SIDE)

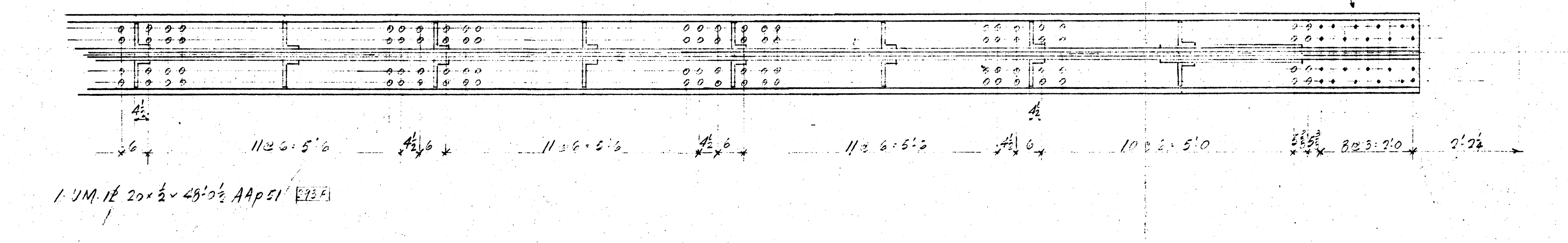
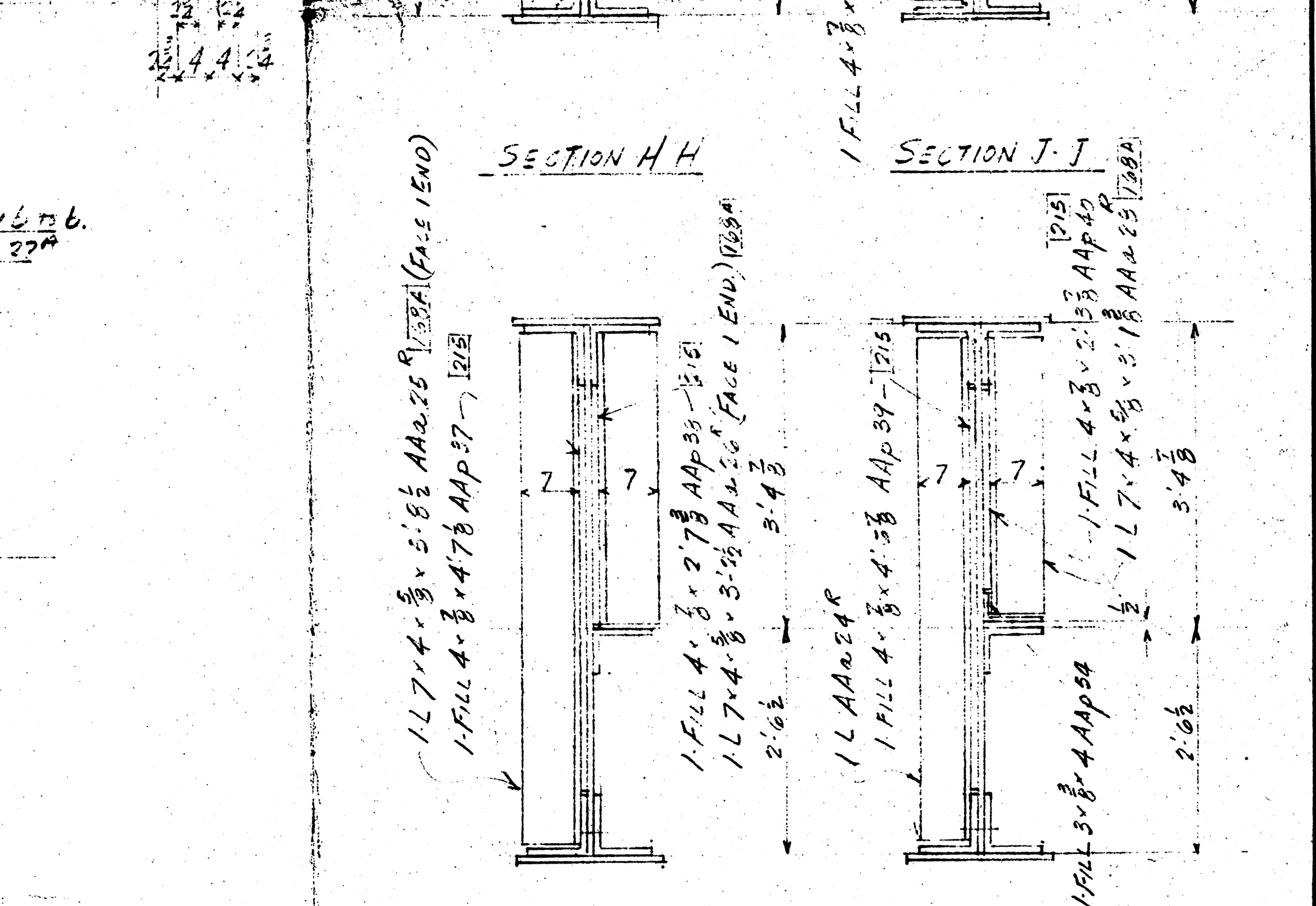
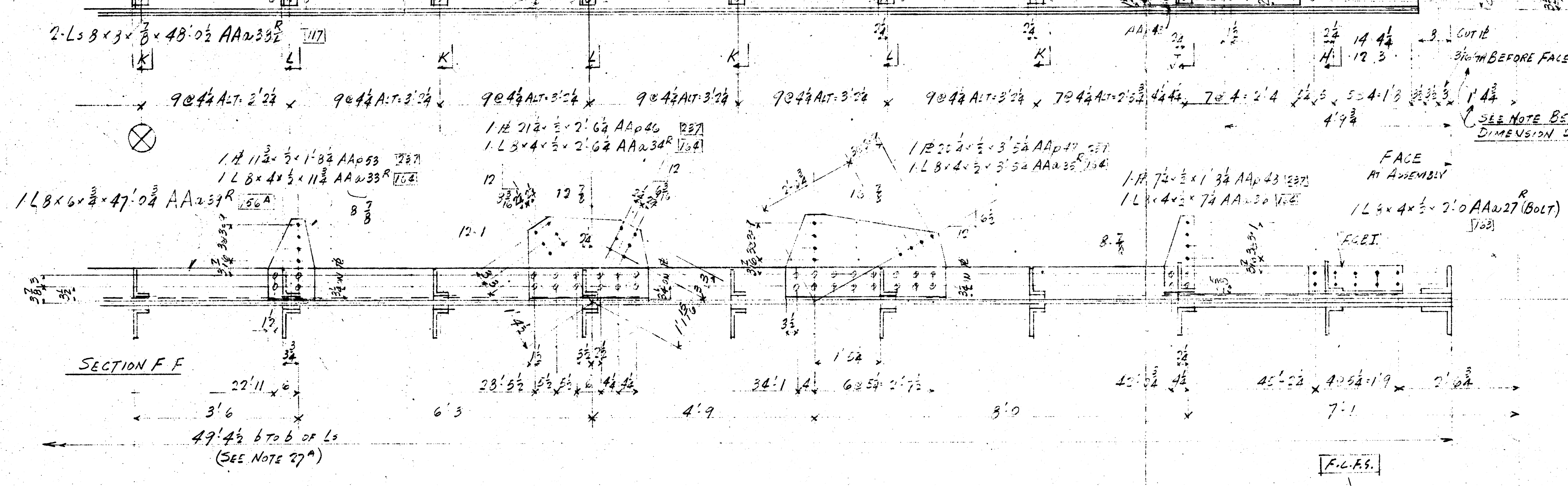
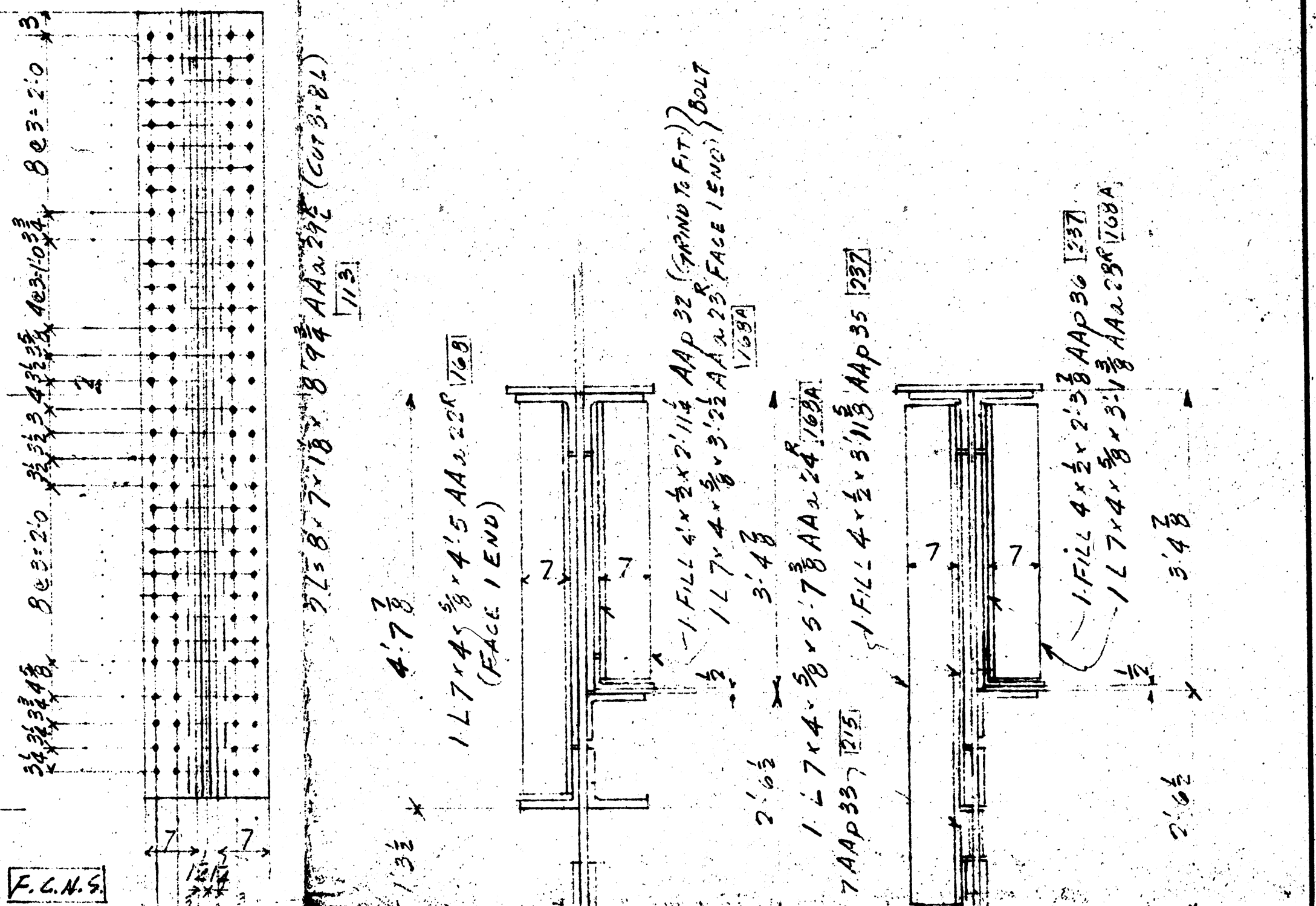
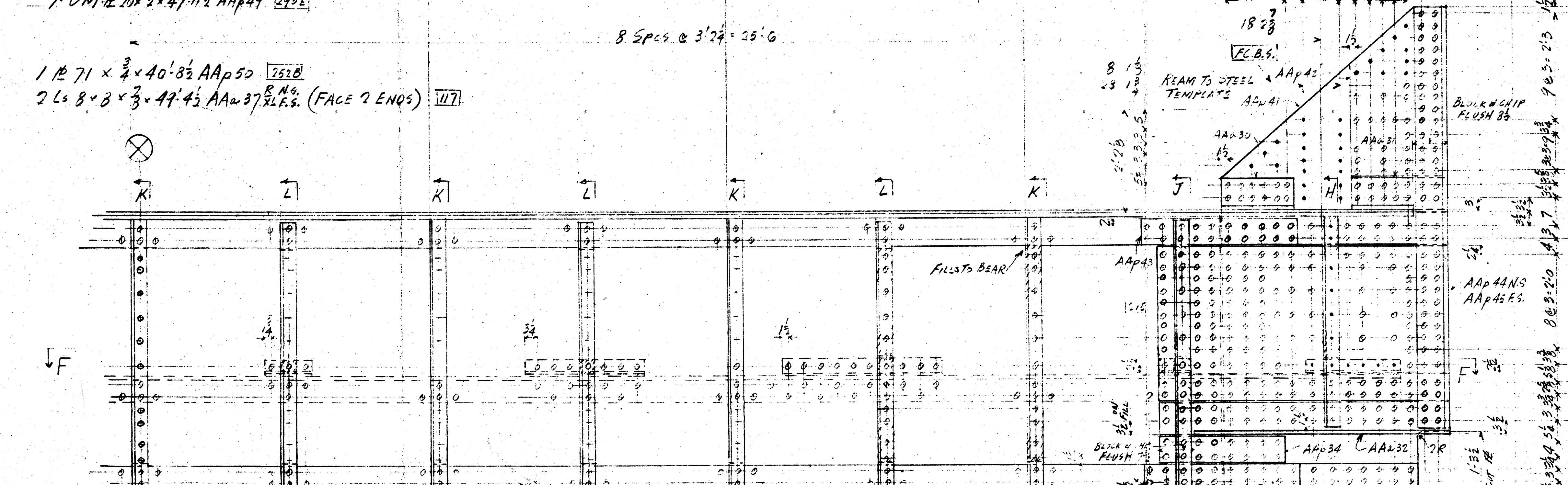
NOTE
 RUNNING DIMENSIONS ARE GIVEN TO THE FACED END. THESE FIGURES ARE TO BE ADJUSTED TO ALLOW FOR FACING

CONT. 9636-17		REVISIONS		CUSTOMER	
REVISED	DATE	DEPARTMENT OF PUBLIC WORKS—CANADA		BURLINGTON CANAL LIFT BRIDGE	
DESIGNED	DATE	DESIGN BY		C. C. PARKER & ASSOCIATES LTD.	
TITLE OF DRAWING		TITLE OF DRAWING		BRIDGE & TANK	
COMPANY OF CANADA LIMITED		HAMILTON BRIDGE DIVISION		HAMILTON, ONTARIO	
MADE BY		CHECKED		STARTED	
COMPLETED		WORK ORDER		DRAWING	

SHOP BILLS NORTH ABC SOUTH DEF



- END MATERIAL**
- 1 B 57 1/2 x 10 3/8 AAp41 [218]
 - 2 B 34 1/2 x 7 3/8 AAp43 (FACE 1 SIDE) [215]
 - 2 Ls 8 x 8 x 3/8 x 1' C AA230 [117]
 - 2 Ls 8 x 8 x 3/8 x 2' 3/8 AA231 (FACE 1 END) [117]
 - 44 H.S. BOLTS 3/4 x 3 1/2 HEAVY NUT EA
 - 80 H. WASHES
- SPLICE MAT'L**
- 4 B 3 1/2 x 3 3/8 AAp43 [227]
 - 1 B 3 1/2 x 3 3/8 AAp44 (FACE 1 SIDE) [218]
 - 1 B 3 1/2 x 3 3/8 AAp45
 - 2 Ls 8 x 8 x 3/8 x 6' 2" AA232 (FACE 1 END) [117]
 - 2 B 7 x 7 x 2 1/4 AAp34

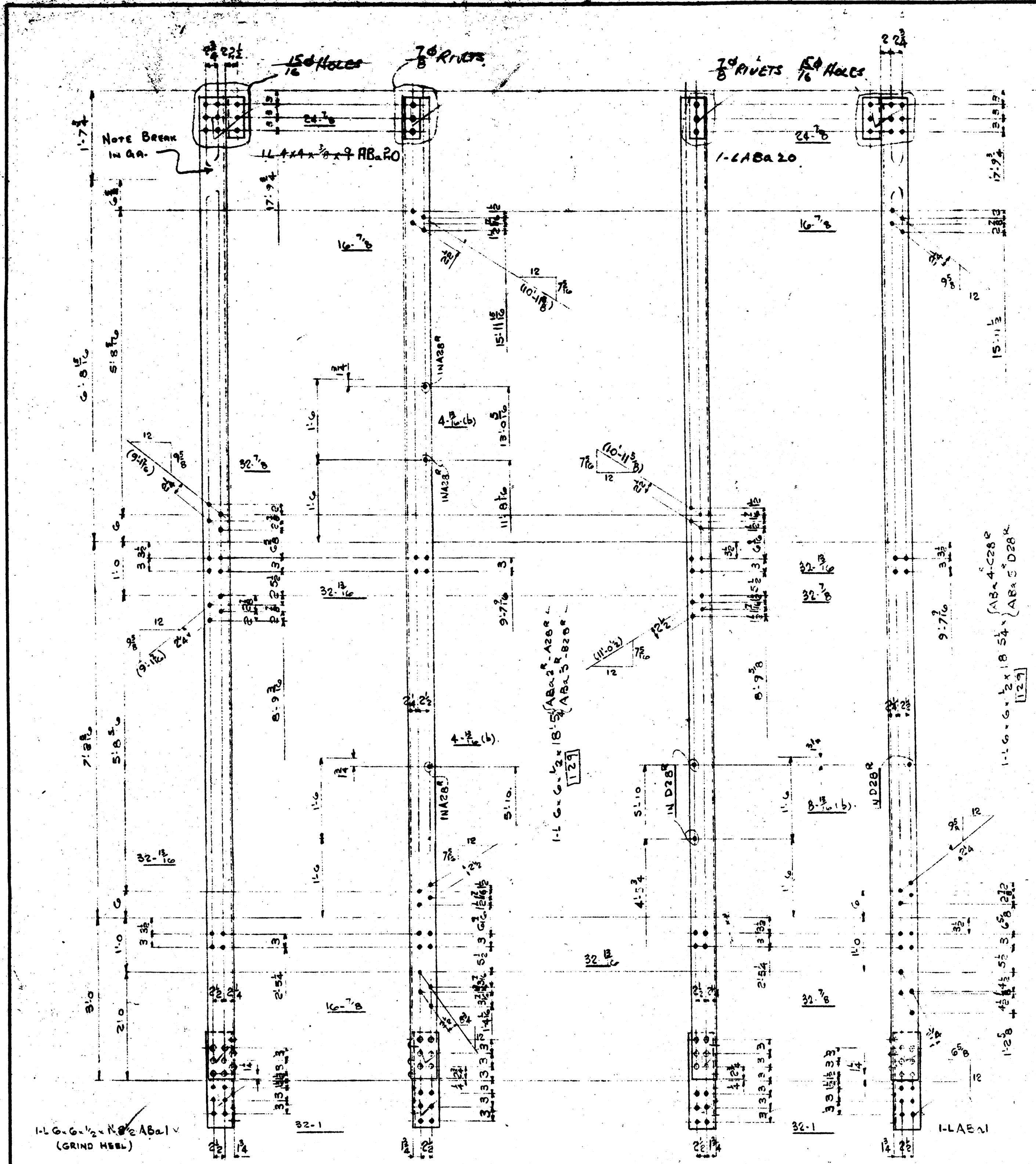


LAYOUTS L2, L9, L10

CONT. 9636-17

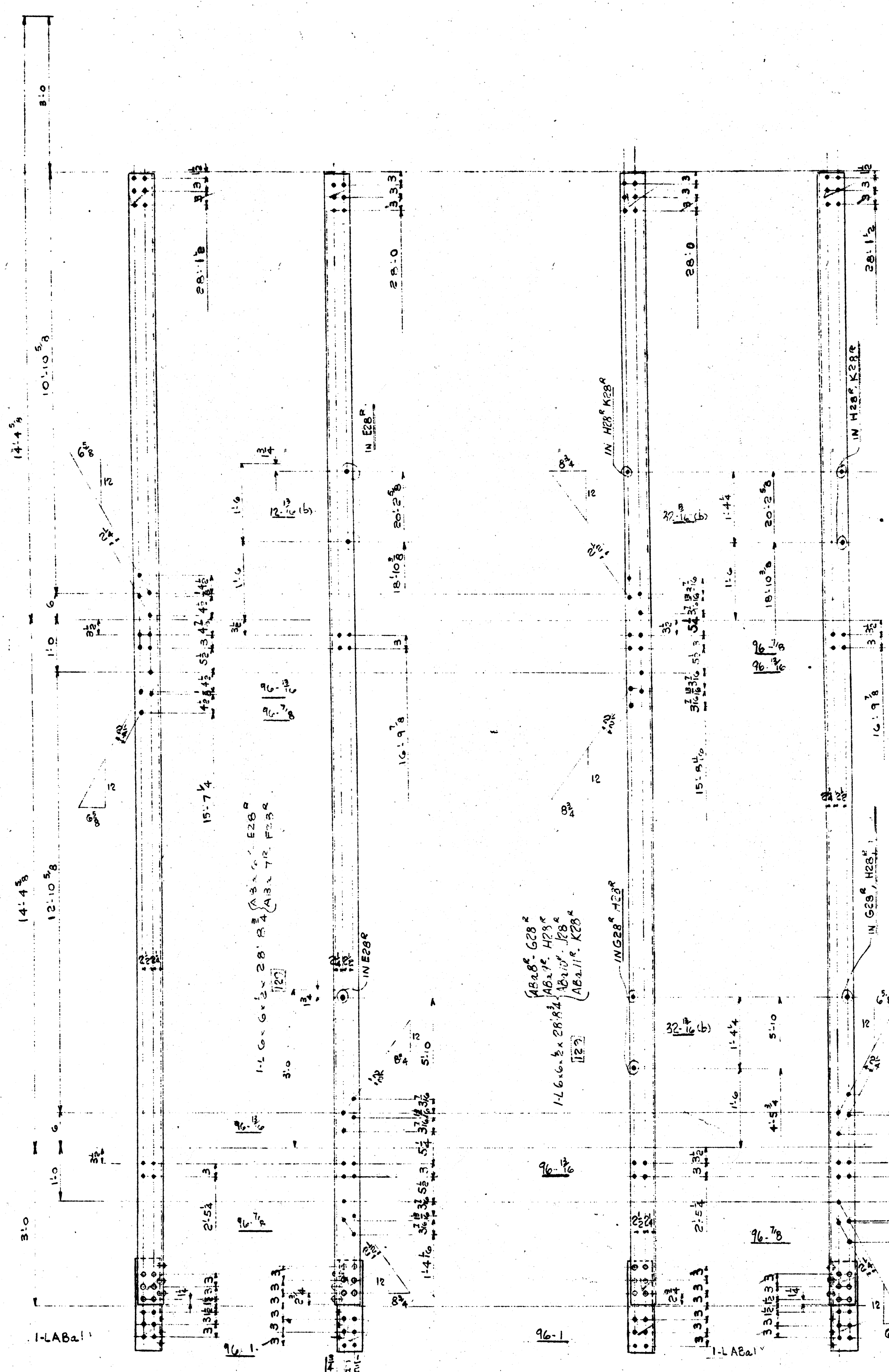
WORK THIS DWG WITH DWG 27A

<p>RIVETS 2 1/2"</p> <p>OPEN HOLES 1 1/2"</p> <p>PAINT</p> <p>WELDING SPEC.</p>	<p>NOTE</p> <p>SEE DWG 20 FOR GENERAL NOTES</p>	<p>REVISED 10/20/59</p> <p>14/12/59</p> <p>CUSTOMER NAME OF STRUCTURE DEPARTMENT OF PUBLIC WORKS - CANADA</p> <p>DESIGN BY BURLINGTON CANAL LIFT BRIDGE</p> <p>DRAWING C. C. PARKER & ASSOCIATES LTD.</p> <p>TITLE OF DRAWING REAR FLOOR BEAM</p> <p>Bridge & Tank</p> <p>Company of Canada Limited</p> <p>HAMILTON BRIDGE DIVISION HAMILTON, ONTARIO</p> <p>MADE BY [] STARTED [] COMPLETE [] CONTRACT 9636-17</p> <p>CHECKED [] STARTED [] COMPLETE [] WORK ORDER []</p> <p>SHOP BILLS</p>
---------------------------------------------------------------------------------	-------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

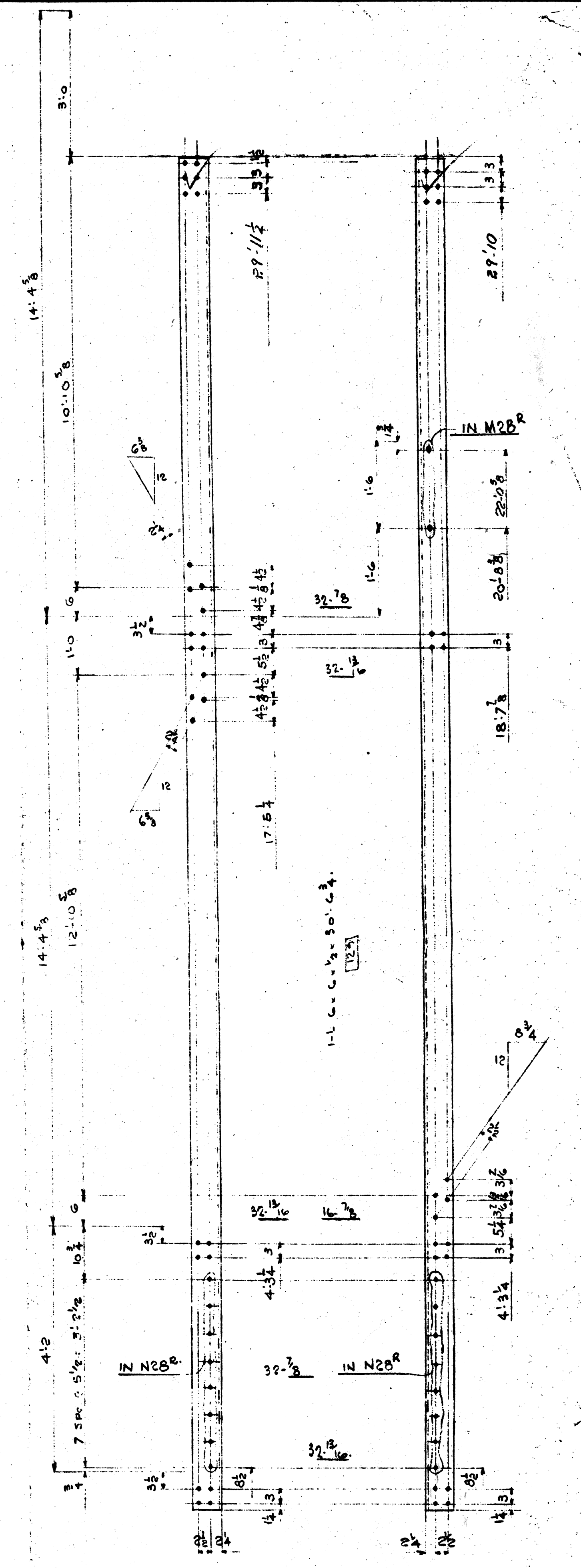


- 1-HANGER ANGLE A28^R (RIGHT)
- 1-HANGER ANGLE A28^L (LEFT)
- 1-HANGER ANGLE B28^R (RIGHT)
- 1-HANGER ANGLE B28^L (LEFT)
- 1-HANGER ANGLE C28^R (RIGHT)
- 1-HANGER ANGLE C28^L (LEFT)
- 1-HANGER ANGLE D28^R (RIGHT)
- 1-HANGER ANGLE D28^L (LEFT)
- 1-HANGER ANGLE E28^R (RIGHT)
- 1-HANGER ANGLE E28^L (LEFT)
- 1-HANGER ANGLE F28^R (RIGHT)
- 1-HANGER ANGLE F28^L (LEFT)
- 1-HANGER ANGLE G28^R (RIGHT)
- 1-HANGER ANGLE G28^L (LEFT)
- 1-HANGER ANGLE H28^R (RIGHT)
- 1-HANGER ANGLE H28^L (LEFT)
- 1-HANGER ANGLE J28^R (RIGHT)
- 1-HANGER ANGLE J28^L (LEFT)
- 1-HANGER ANGLE K28^R (RIGHT)
- 1-HANGER ANGLE K28^L (LEFT)
- 1-HANGER ANGLE M28^R (RIGHT)
- 1-HANGER ANGLE M28^L (LEFT)
- 1-HANGER ANGLE N28^R (RIGHT)
- 1-HANGER ANGLE N28^L (LEFT)

NORTH TOWER		SOUTH TOWER	
MARK	QTY	MARK	QTY
A28 ^R	1	A28 ^L	1
B28 ^R	1	B28 ^L	1
C28 ^R	1	C28 ^L	1
D28 ^R	1	D28 ^L	1
E28 ^R	3	E28 ^L	3
F28 ^R	3	F28 ^L	3
G28 ^R	1	G28 ^L	1
H28 ^R	3	H28 ^L	3
J28 ^R	1	J28 ^L	1
K28 ^R	1	K28 ^L	1
M28 ^R	1	M28 ^L	1
N28 ^R	1	N28 ^L	1



- 3-HANGER ANGLES E28^R (RIGHT)
- 3-HANGER ANGLES E28^L (LEFT)
- 3-HANGER ANGLES F28^R (RIGHT)
- 3-HANGER ANGLES F28^L (LEFT)
- 1-HANGER ANGLE G28^R (RIGHT)
- 1-HANGER ANGLE G28^L (LEFT)
- 3-HANGER ANGLES H28^R (RIGHT)
- 3-HANGER ANGLES H28^L (LEFT)
- 1-HANGER ANGLE J28^R (RIGHT)
- 1-HANGER ANGLE J28^L (LEFT)
- 1-HANGER ANGLE K28^R (RIGHT)
- 1-HANGER ANGLE K28^L (LEFT)



- 1-HANGER ANGLE M28^R (RIGHT)
- 1-HANGER ANGLE M28^L (LEFT)
- 1-HANGER ANGLE N28^R (RIGHT)
- 1-HANGER ANGLE N28^L (LEFT)

CONT. 9636-1T

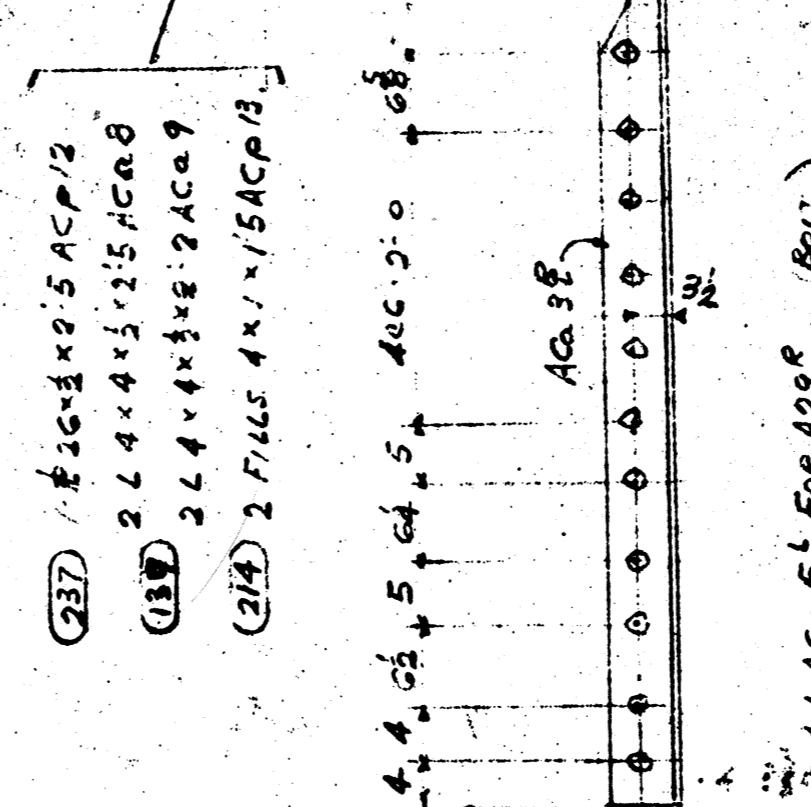
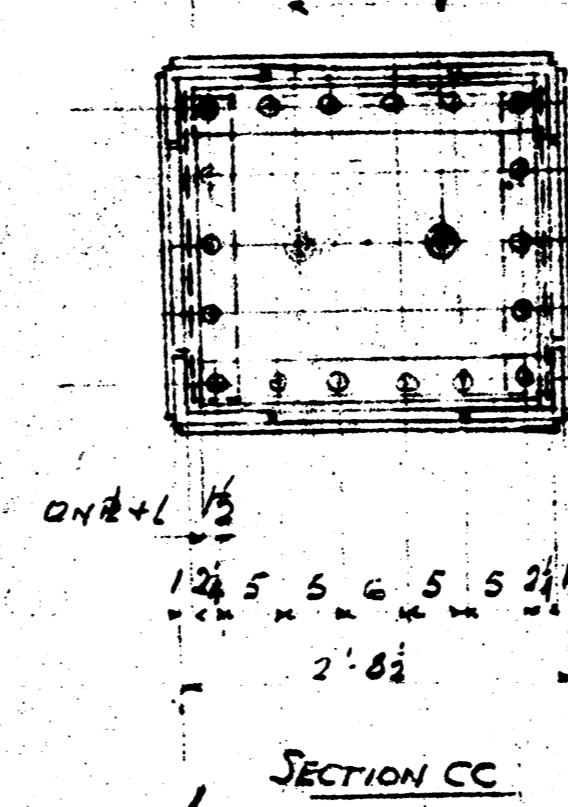
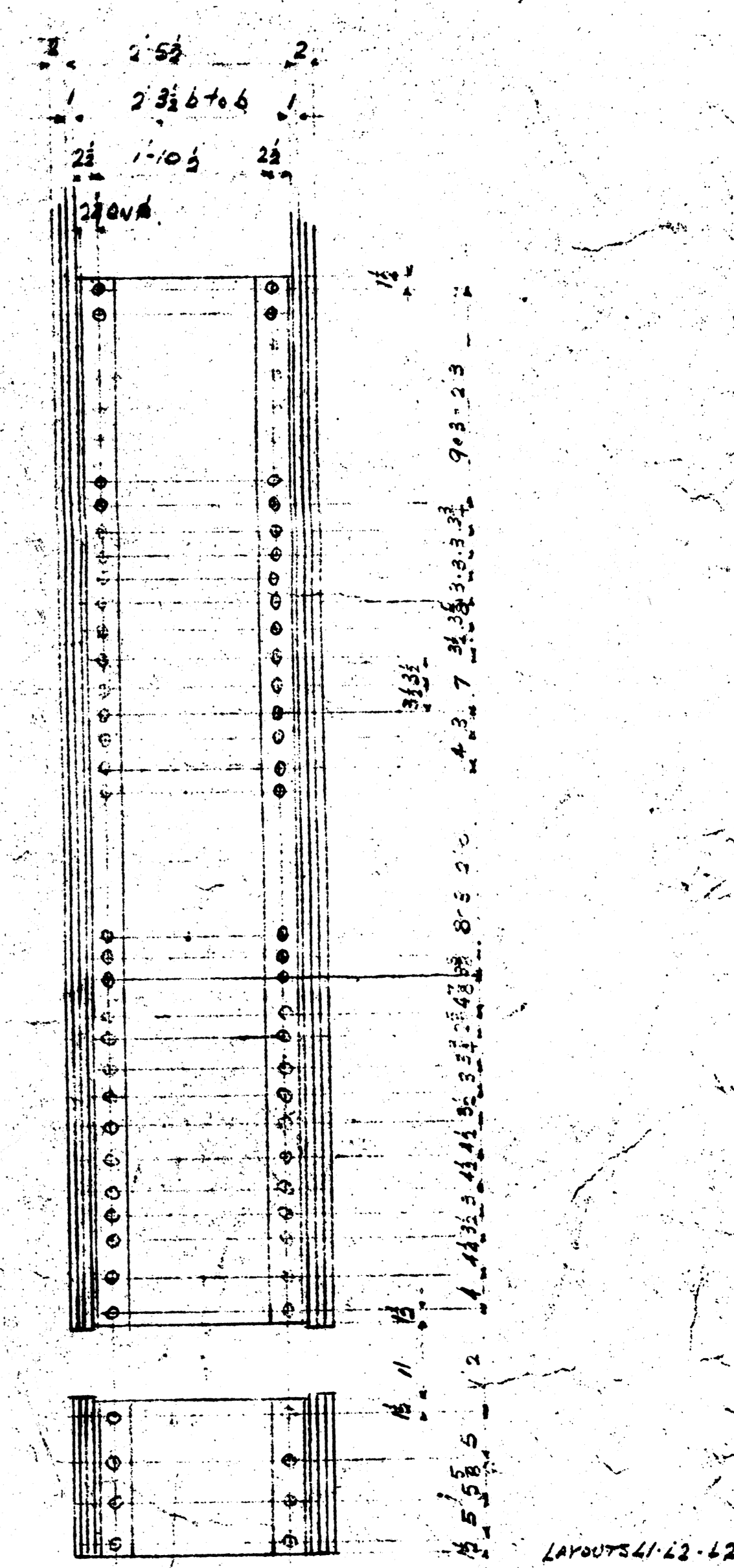
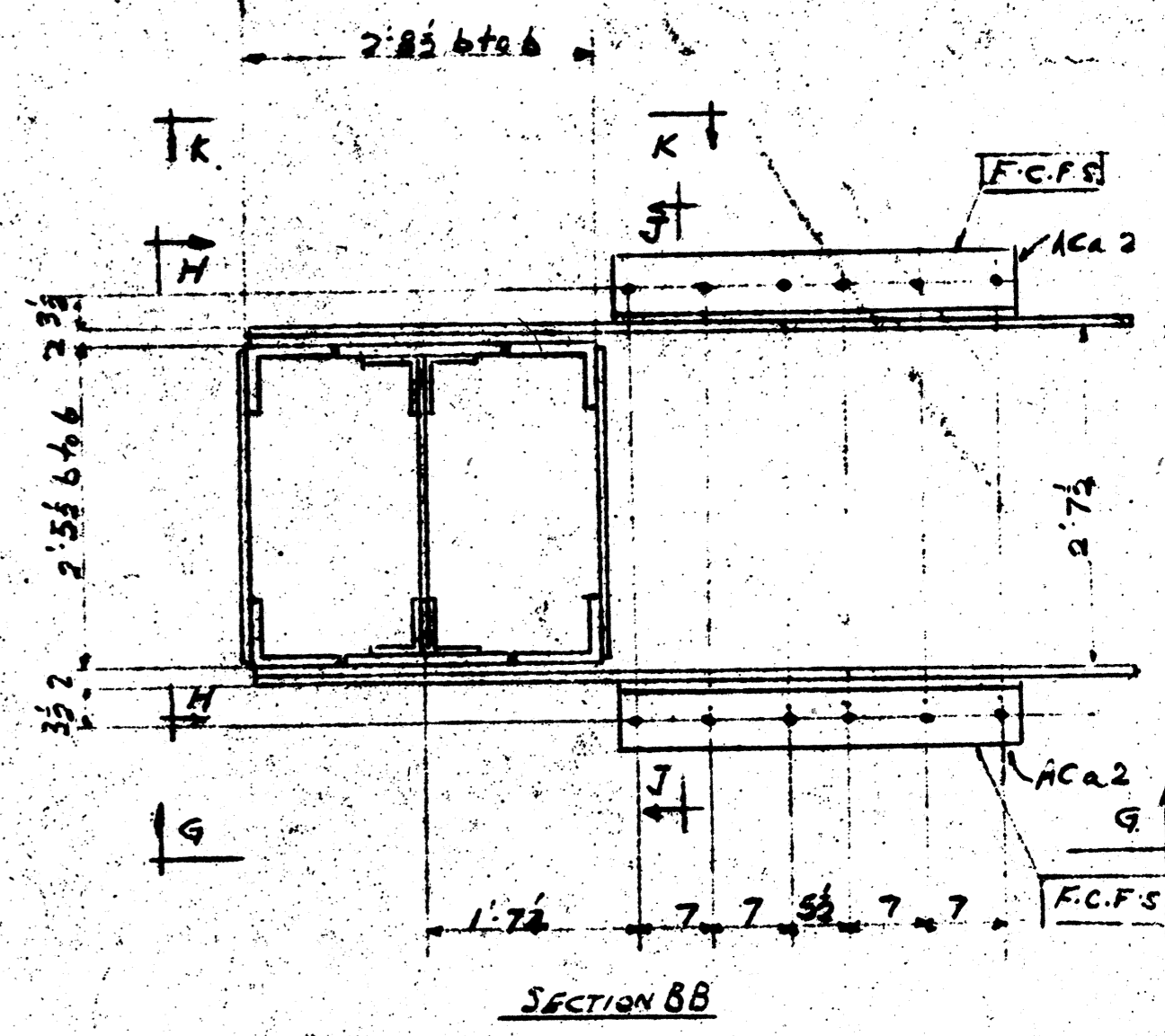
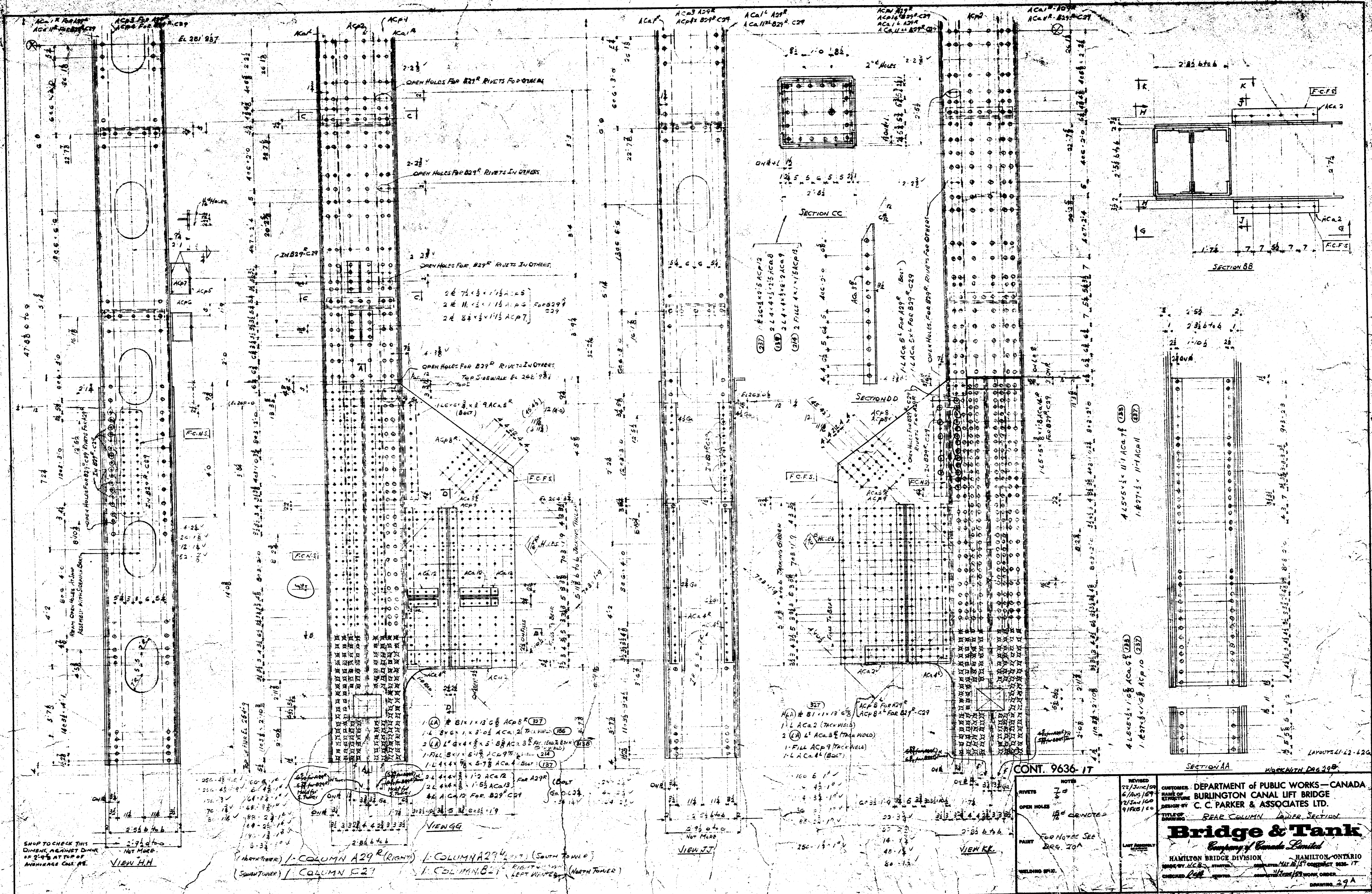
NOTES
 RIVETS 3/4" OR NOTED
 OPEN HOLES 1/8" OR NOTED
 PAINT 524 Drg 30-A
 WELDING SPEC.

REVISION
 AUG 11/57
 OCT 6/57

CUSTOMER DEPARTMENT of PUBLIC WORKS—CANADA
 NAME OF STRUCTURE BURLINGTON CANAL LIFT BRIDGE
 DESIGN BY C. C. PARKER & ASSOCIATES LTD.
 TITLE OF DRAWING HANGER ANGLES - ELEVATOR TOWER

Bridge & Tank
 Company of Canada Limited
 HAMILTON BRIDGE DIVISION HAMILTON, ONTARIO
 MADE BY T.P.D. STARTED MAY 15/57 CONTRACT 9636-1T
 CHECKED BY K.C.B. STARTED... COMPLETED... WORK ORDER... DRAWING... CB

SHOP BILLS NORTH TOWER - A
 SOUTH TOWER - B
 OFFICE 4



SHOP TO CHECK THIS DIMENS. AGAINST DIMEN. OF 2" TO 4" AT TOP OF ANCHORAGE CASE NO.

VIEW HH

(SOUTH TOWER) 1. COLUMN A29^R (RIGHT) 1. COLUMN A27^L (LEFT) (SOUTH TOWER)
 (NORTH TOWER) 1. COLUMN B1^R (RIGHT) 1. COLUMN B3^L (LEFT) (NORTH TOWER)

VIEW GG

VIEW JJ

VIEW KK

CONT. 9636-17

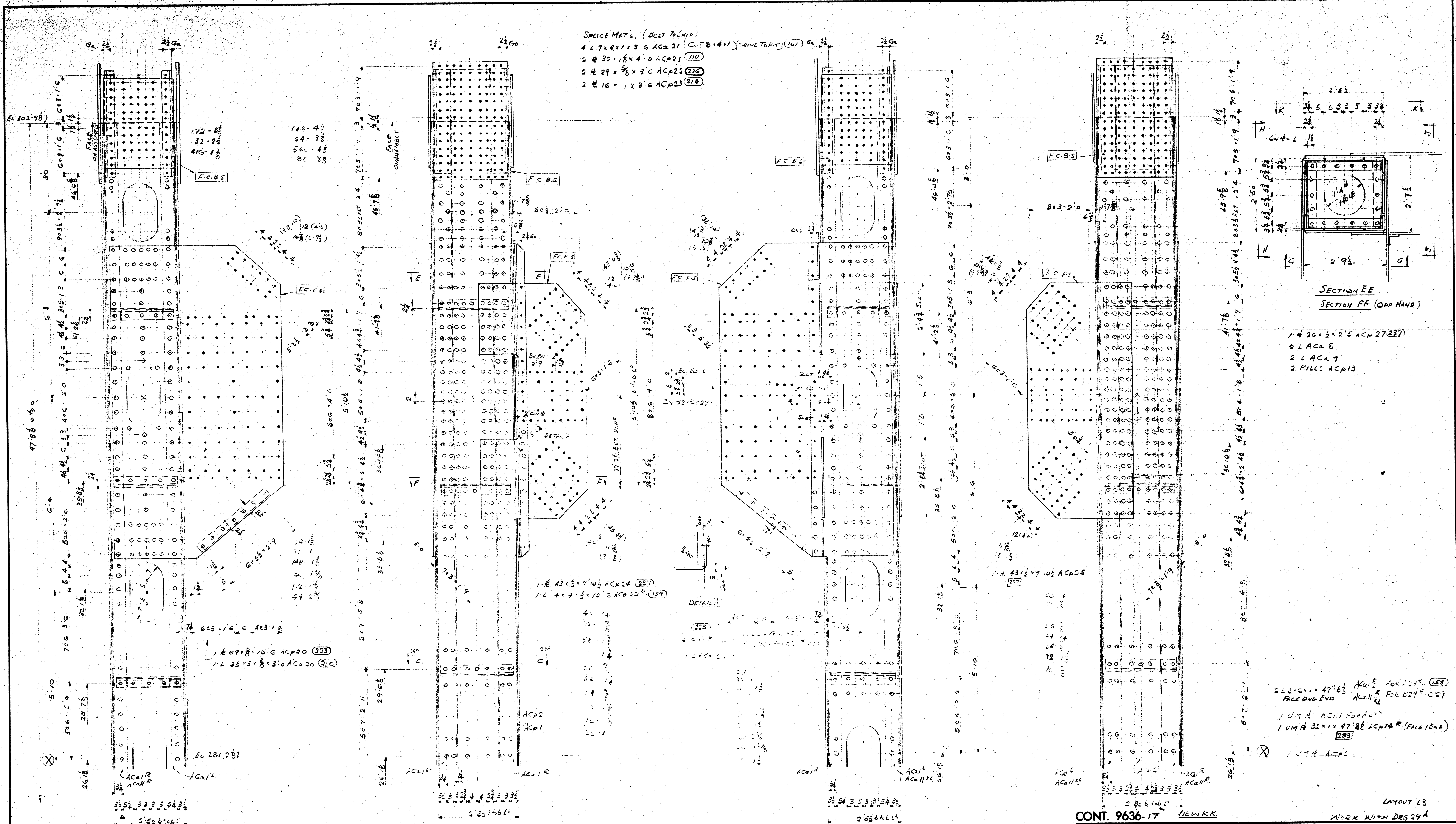
RIVETS	NOTE
OPEN HOLES	AS NOTED
PAINT	FOR NOTES SEE BRG. 70A
WELDING SPEC.	

REVISION 22/JUN/50 6/AUG/57 2/25/60 9/FEB/60	CUSTOMER: DEPARTMENT OF PUBLIC WORKS—CANADA NAME OF STRUCTURE: BURLINGTON CANAL LIFT BRIDGE DESIGN BY: C. C. PARKER & ASSOCIATES LTD. TITLE: REAR COLUMN LADDER SECTION DRAWING NO.: 9636-17 CHECKED: [Signature] DATE: [Date]
Bridge & Tank Company of Canada Limited HAMILTON BRIDGE DIVISION HAMILTON, ONTARIO 1900 BY. ACB. ST. HAMILTON, ONT. L8M 1K7 1900 BY. ACB. ST. HAMILTON, ONT. L8M 1K7	
SHOP BILL NO. North Tower CD South Tower	

LAYOUTS 41-22-42A

WORK WITH DRG. 29

DRAWING 29



SPICE MAT'L (BOLT TO HIP)
 4 L 7x4x1/2 C Aca 21 (CUT B 4x1) (SAME TO FIT) (167) G. 21
 2 # 32x1/8x4.0 ACP 21 (110)
 2 # 29x1/8x3.0 ACP 22 (272)
 2 # 16x1x3/8 C ACP 23 (314)

SECTION EE
 SECTION FF (OPP HAND)

1 # 20x3/4x2.5 ACP 27 (237)
 2 L Aca 8
 2 L Aca 9
 2 FILL ACP 13

1 U.M. # 29x1/2x47'8 1/2 ACP 3 FOR A29R.
 ACP 4 FOR B29R C29
 (FACE ONE END) (297)

VIEW HH

2 L 8x6x1x47'8 1/2 Aca 1 (153)
 1 U.M. # 22x1x47'8 1/2 Aca 1 FOR A29R
 ACP 1K FOR B29R C29 (283)
 1 U.M. # 16x1x47'8 1/2 ACP 2 FOR A29R
 ACP 2K FOR B29R C29 (283)

VIEW GG

1 U.M. # 29x1/2x47'8 1/2 Aca 3 FOR A29R (291)
 FACE ONE END ACP 4 FOR B29R C29

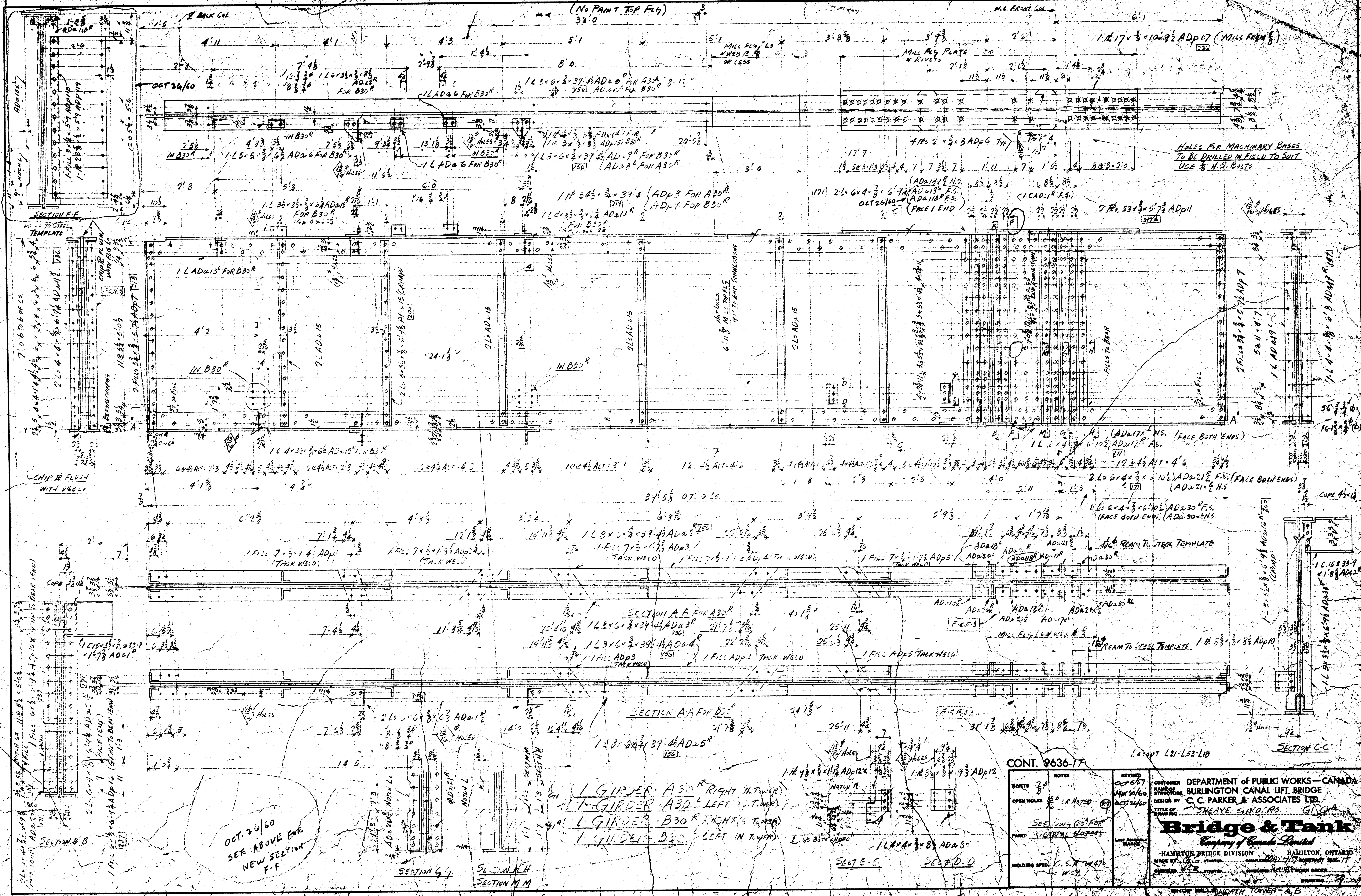
VIEW JJ

CONT. 9636-17

NOTES RIVETS 3/8 OPEN HOLES 1/2 OR NOTED PAINT FOR NOTES SEE DRG. 20A. WELDING SPEC.	REVISED 28/10/89	CUSTOMER DEPARTMENT OF PUBLIC WORKS—CANADA NAME OF STRUCTURE BURLINGTON CANAL LIFT BRIDGE DESIGN BY C. C. PARKER & ASSOCIATES LTD. TITLE OF DRAWING REAR COLUMN LOWER SECTION Bridge & Tank <i>Company of Canada Limited</i> HAMILTON BRIDGE DIVISION HAMILTON, ONTARIO MADE BY: [] STARTED: [] COMPLETED: [] CONTRACT 888-17 CHECKED: RCH STARTED: [] COMPLETED: [] WORK ORDER: [] DRAWING: 298
	LAST ASSEMBLY MARKS	
	LAYOUT L3 WORK WITH DRG 29A	
	SHOP BILLS	

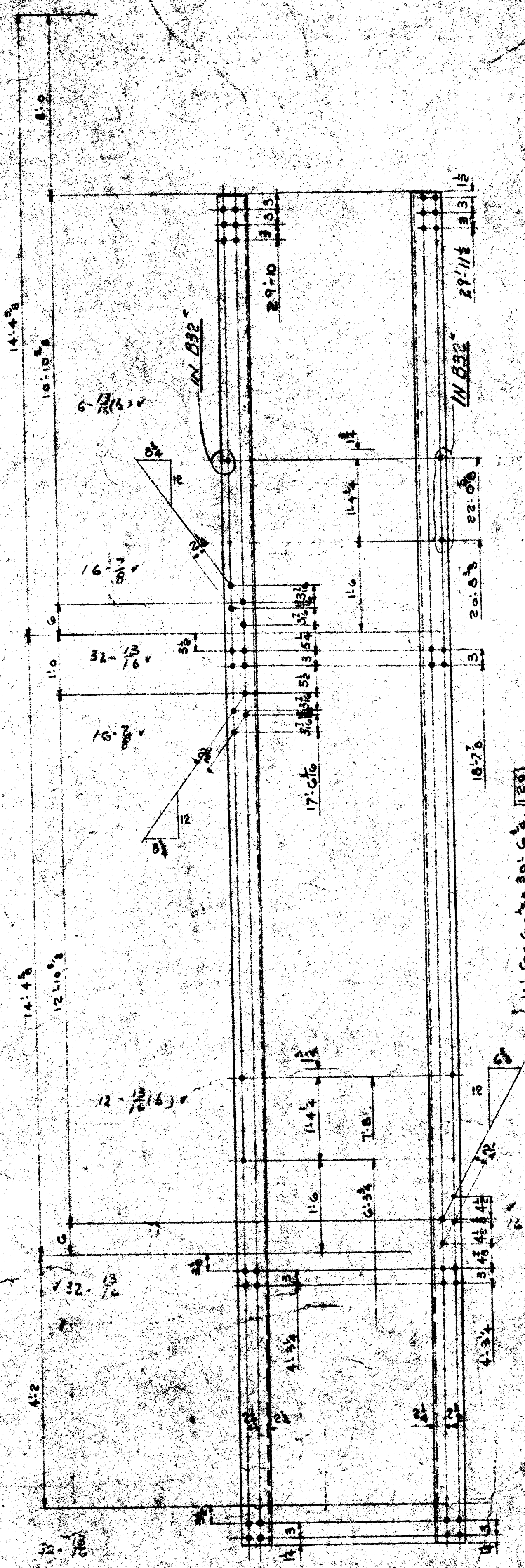
RKCC OFFICE 2

ADD 25 L507 871012 2011 11 18 2011

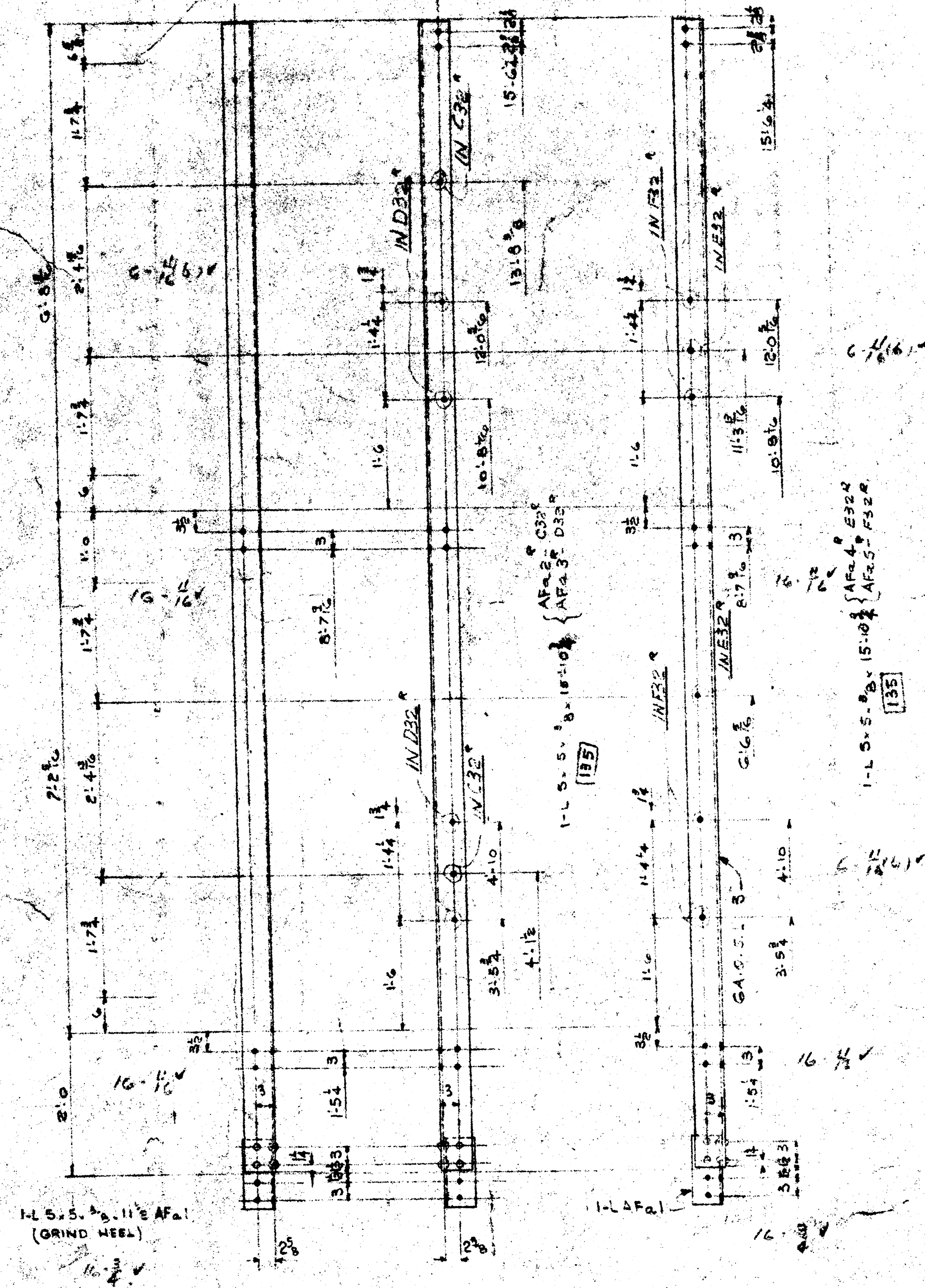


OCT. 26/60
SEE ABOVE FOR
NEW SECTION
F-F

CONT. 9636-17		LAYOUT L21-L53-L10	
REVISIONS NO. 20 DATE 05/67 BY [Signature] CHECKED [Signature]	REVISIONS NO. 19 DATE 05/66 BY [Signature] CHECKED [Signature]	CUSTOMER DEPARTMENT OF PUBLIC WORKS - CANADA PROJECT BURLINGTON CANAL LIFT BRIDGE DESIGN BY C. C. PARKER & ASSOCIATES LTD. DRAWING TITLE SHEAVE GIRDERS	BRIDGE & TANK Company of Canada Limited HAMILTON BRIDGE DIVISION HAMILTON, ONTARIO
WELDING SPEC. C.S.A. W57 W58	SECTION E-E SECTION D-D	SECTION G-G SECTION H-H SECTION M-M	SHEAVE GIRDERS NORTH TOWER - A, B SOUTH TOWER - C, D

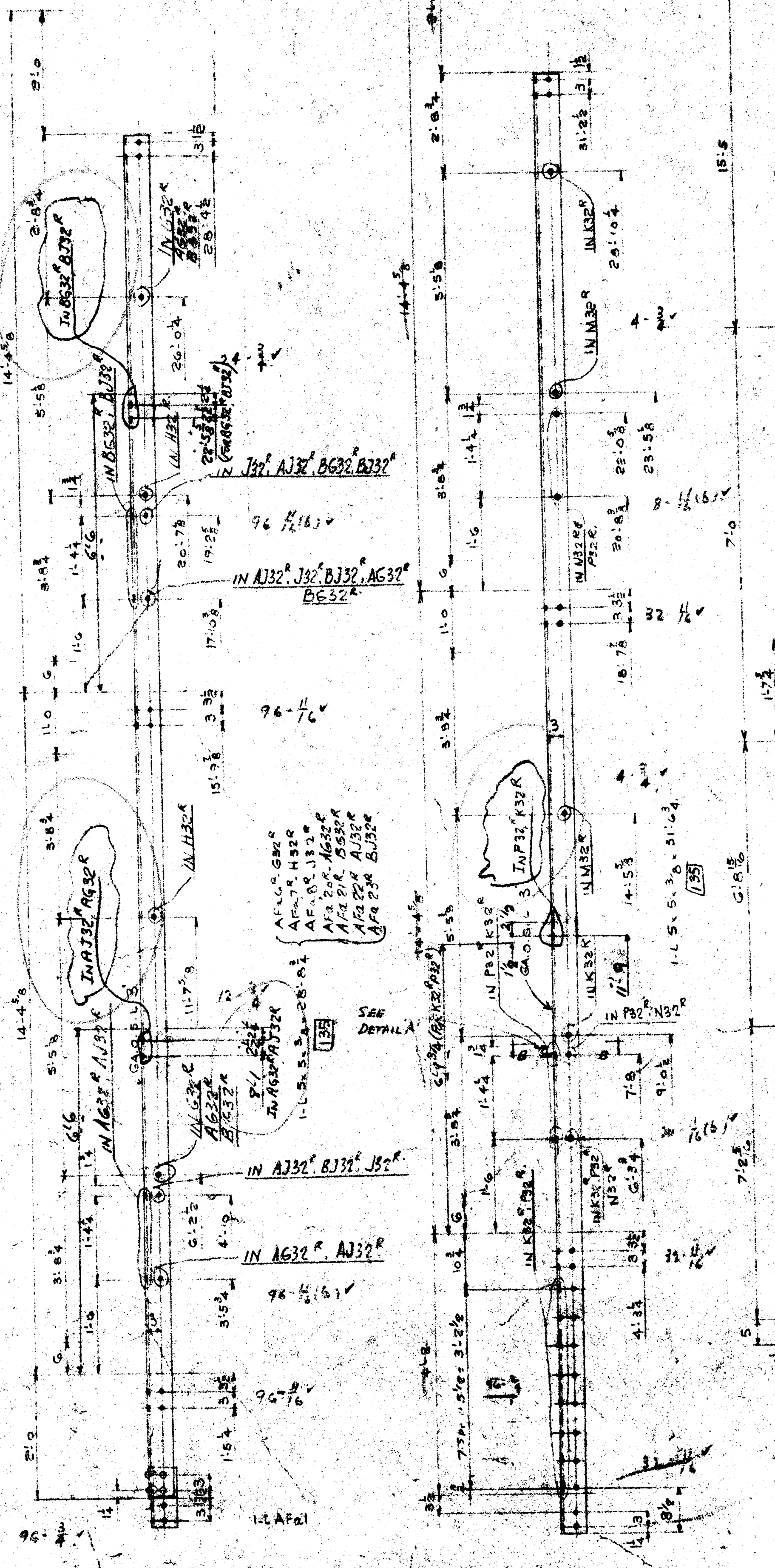


1-HANGER ANGLE A32 (RIGHT)
 1-HANGER ANGLE A32 (LEFT)
 1-HANGER ANGLE B32 (RIGHT)
 1-HANGER ANGLE B32 (LEFT)



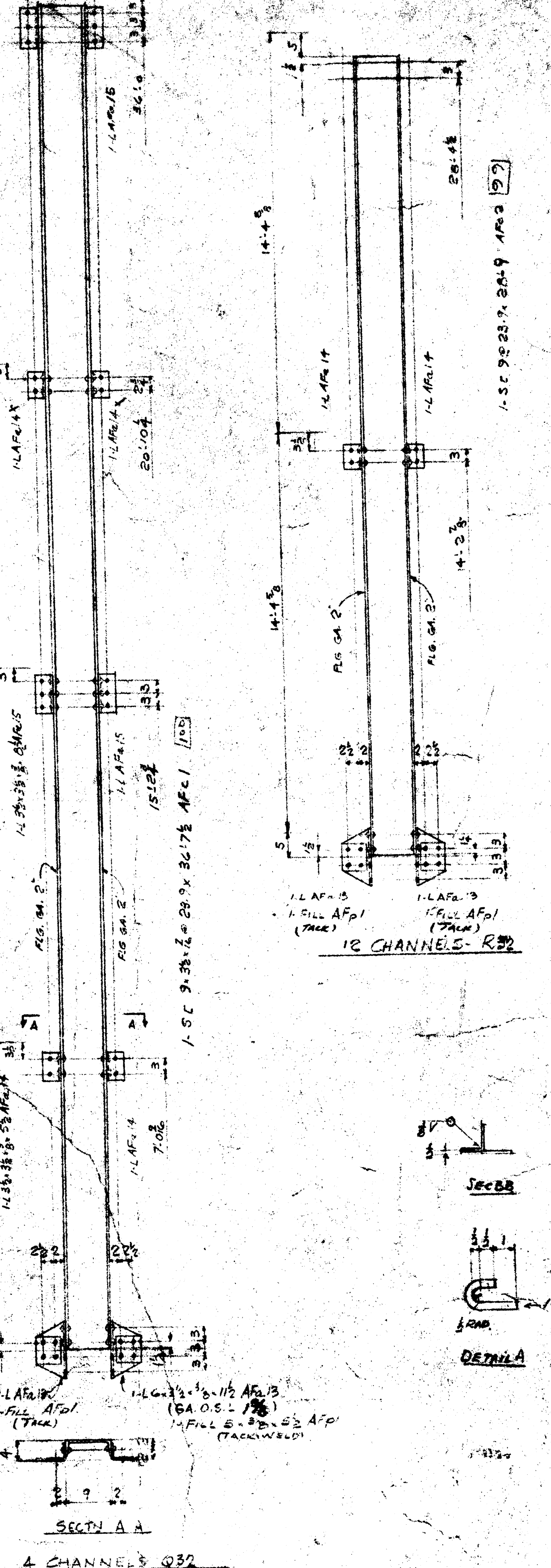
1-HANGER ANGLE E32 (RIGHT)
 1-HANGER ANGLE C32 (LEFT)
 1-HANGER ANGLE D32 (RIGHT)
 1-HANGER ANGLE D32 (LEFT)
 1-HANGER ANGLE E32 (RIGHT)
 1-HANGER ANGLE E32 (LEFT)
 1-HANGER ANGLE F32 (RIGHT)
 1-HANGER ANGLE F32 (LEFT)

NORTH TOWER		SOUTH TOWER	
MARK	QTY	MARK	QTY
A32	1	A32	1
B32	1	B32	1
C32	1	C32	1
D32	1	D32	1
E32	1	E32	1
F32	1	F32	1
G32	1	G32	1
H32	1	H32	1
J32	1	J32	1
K32	1	K32	1
M32	1	M32	1
N32	1	N32	1
P32	1	P32	1
Q32	1	Q32	1
R32	1	R32	1
AG32	1	AG32	1
AJ32	1	AJ32	1
AK32	1	AK32	1
AL32	1	AL32	1



1-HANGER ANGLE G32 (RIGHT)
 1-HANGER ANGLE G32 (LEFT)
 3-HANGER ANGLE H32 (RIGHT)
 3-HANGER ANGLE H32 (LEFT)
 4-HANGER ANGLE J32 (RIGHT)
 4-HANGER ANGLE J32 (LEFT)
 1-HANGER ANGLE AG32 (RIGHT)
 1-HANGER ANGLE AG32 (LEFT)
 1-HANGER ANGLE AJ32 (RIGHT)
 1-HANGER ANGLE AJ32 (LEFT)
 1-HANGER ANGLE AK32 (RIGHT)
 1-HANGER ANGLE AK32 (LEFT)
 1-HANGER ANGLE AL32 (RIGHT)
 1-HANGER ANGLE AL32 (LEFT)

1-HANGER ANGLE K32 (RIGHT)
 1-HANGER ANGLE K32 (LEFT)
 1-HANGER ANGLE M32 (RIGHT)
 1-HANGER ANGLE M32 (LEFT)
 1-HANGER ANGLE N32 (RIGHT)
 1-HANGER ANGLE N32 (LEFT)
 1-HANGER ANGLE P32 (RIGHT)
 1-HANGER ANGLE P32 (LEFT)



4 CHANNELS Q32

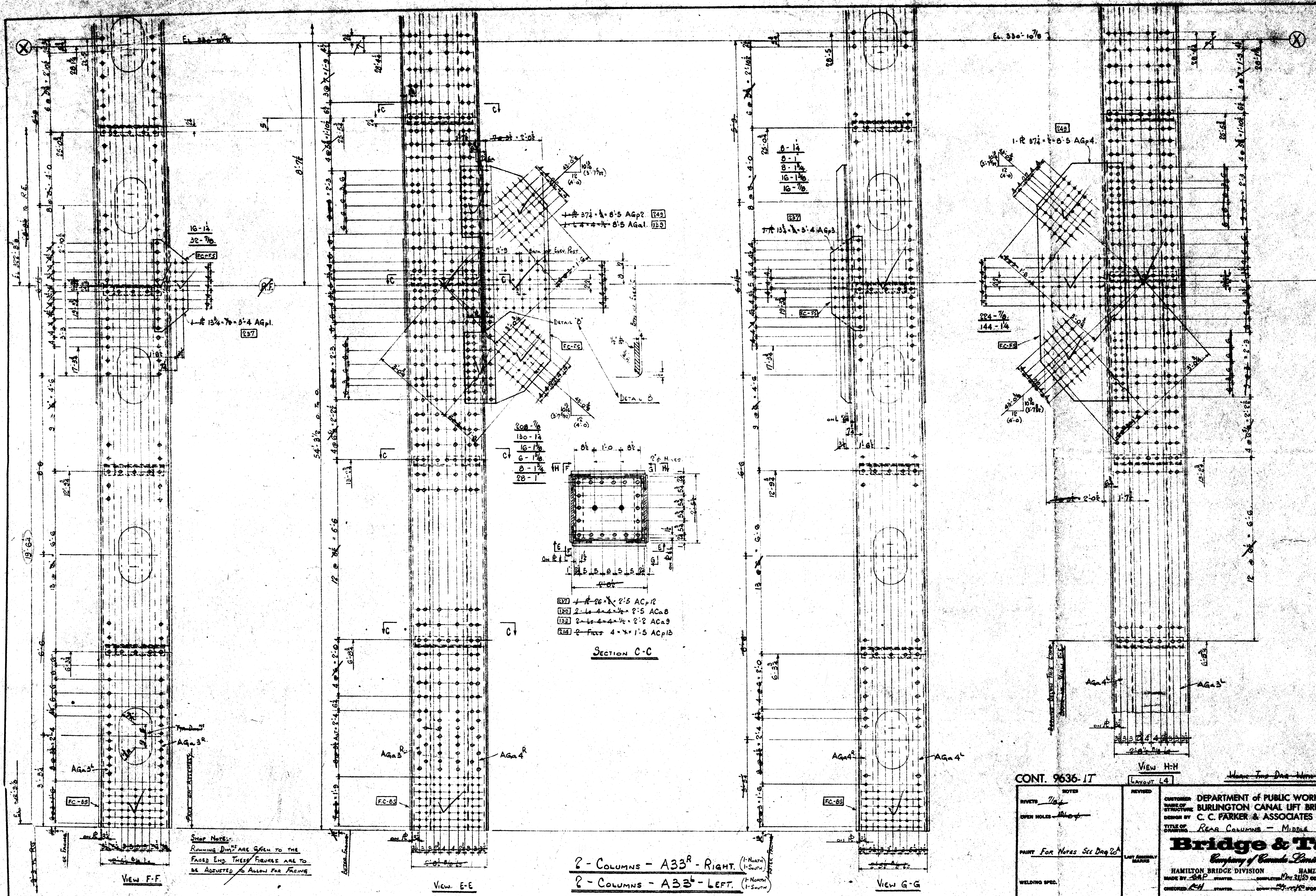
CONT. 9636-1T

REVISION	DATE	BY	CHKD
1	10/22/58	Detwiler	
2	11/10/58	Detwiler	
3	11/10/58	Detwiler	

NOTES:
 PARTS 34
 OVERHOLE 10 OR NOTED.
 PAINT See Sp. A
 WELDING SPEC.

CUSTOMER: DEPARTMENT OF PUBLIC WORKS—CANADA
 NAME OF STRUCTURE: BURLINGTON CANAL LIFT BRIDGE
 DESIGN BY: C. C. PARKER & ASSOCIATES LTD.
 TITLE: ELEVATOR HANGER ANGLES

Bridge & Tank
 Company of Canada Limited
 HAMILTON BRIDGE DIVISION HAMILTON, ONTARIO
 MADE BY: T. S. STEVENS CONTRACT 9636-1T
 CHECKED: H. L. H. DRAWN: J. S. T. SCALE: AS SHOWN



SHOP NOTE:
 RUNNING DIMS ARE GIVEN TO THE
 FACED END. THESE FIGURES ARE TO
 BE ADJUSTED TO ALLOW FOR FRINGE

2 - COLUMNS - A33^R - RIGHT. (1-NORTH, 1-SOUTH)
 2 - COLUMNS - A33^L - LEFT. (1-NORTH, 1-SOUTH)

- SECTION C-C
- [208] 2 - 26 x 26 x 2.5 ACp12
 - [127] 2 - 16 x 16 x 1/2 x 2.5 ACa8
 - [132] 2 - 16 x 16 x 1/2 x 2.2 ACa9
 - [124] 2 - 16 x 16 x 1/2 x 1.5 ACp18

CONT. 9636-1T

NOTES	REVISIONS
RIVETS 7/16"	
OPEN HOLES 1/4"	
PAINT For Holes See Day 20	
WELDING SPEC.	

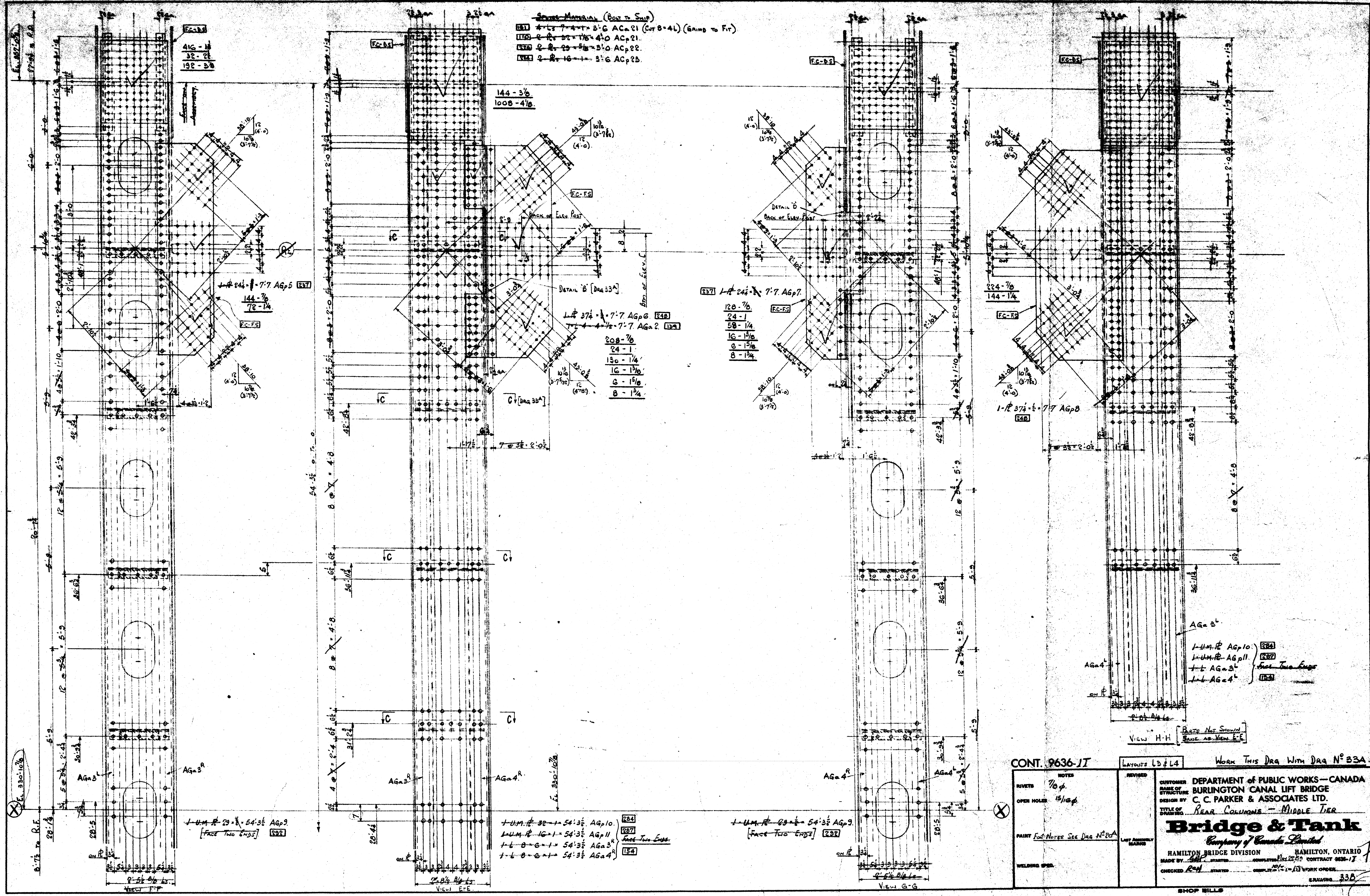
CUSTOMER: DEPARTMENT OF PUBLIC WORKS - CANADA
 PROJECT: BURLINGTON CANAL LIFT BRIDGE
 DRAWN BY: C. C. PARKER & ASSOCIATES LTD.
 CHECKED BY: R. G. CONNORS - MIDDLE TIER

Bridge & Tank
 Company of Canada Limited

HAMILTON BRIDGE DIVISION HAMILTON, ONTARIO
 MADE BY: [] STARTED: [] COMPLETED: [] CONTRACT: 9636-1T
 CHECKED: [] STARTED: [] COMPLETED: [] CONTRACT: 9636-1T

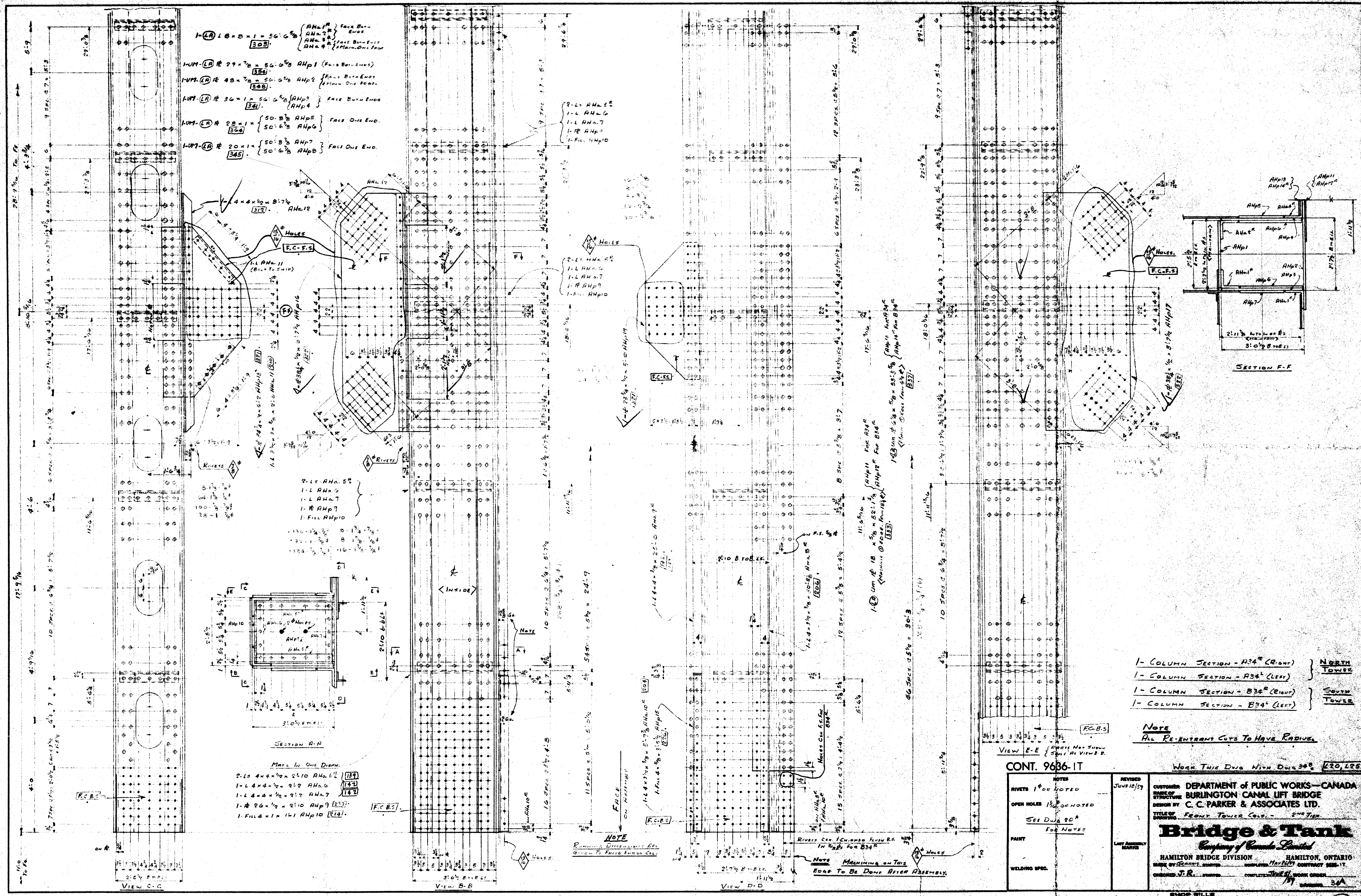
SHOP BILLS

file

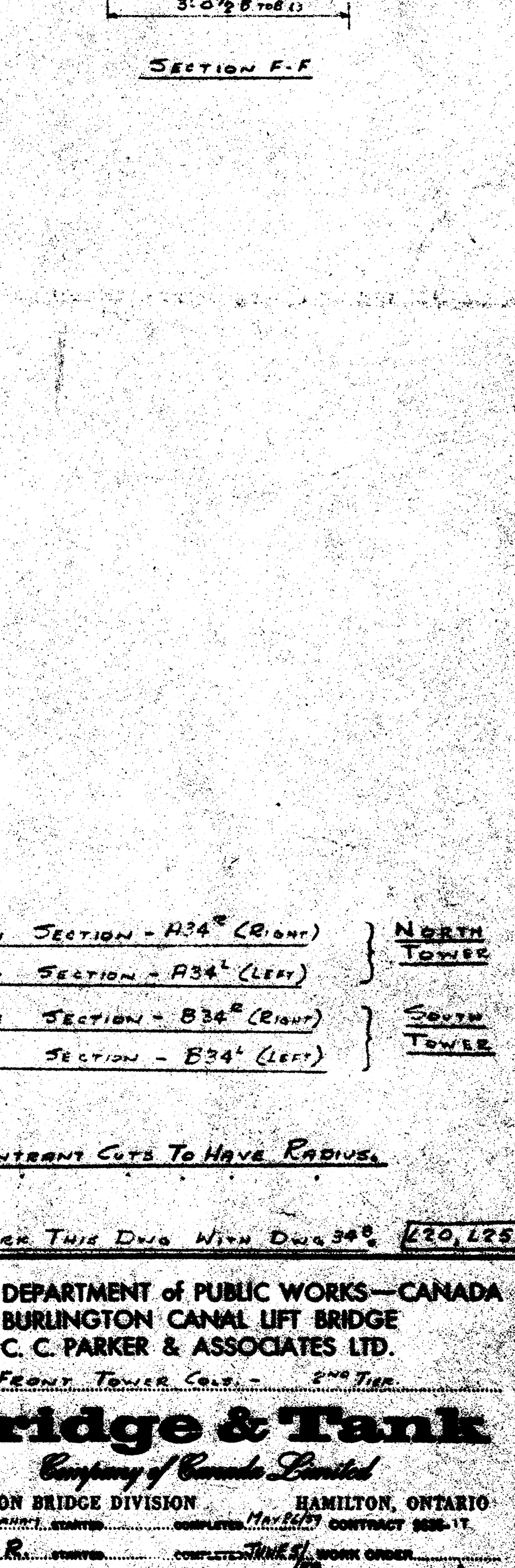
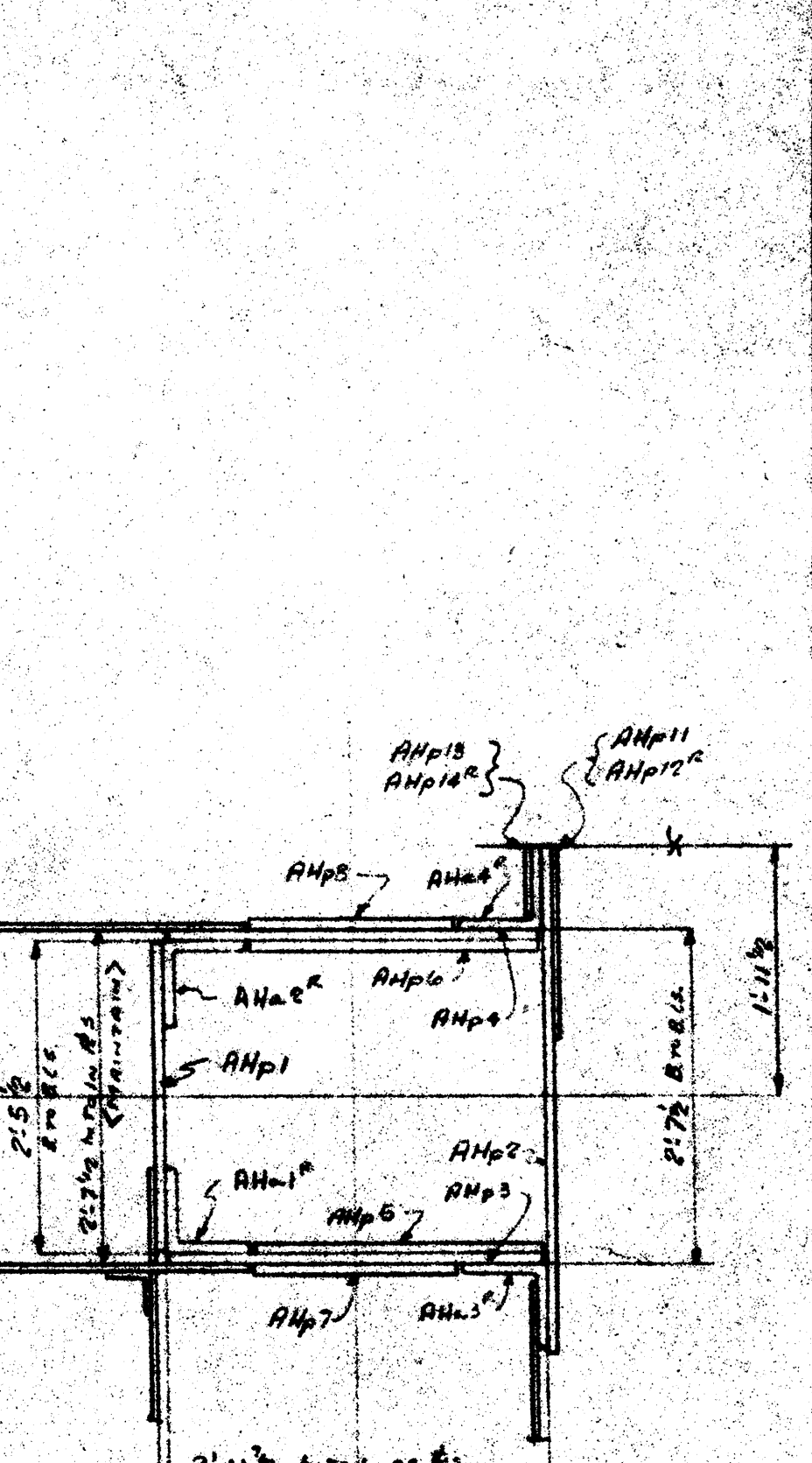
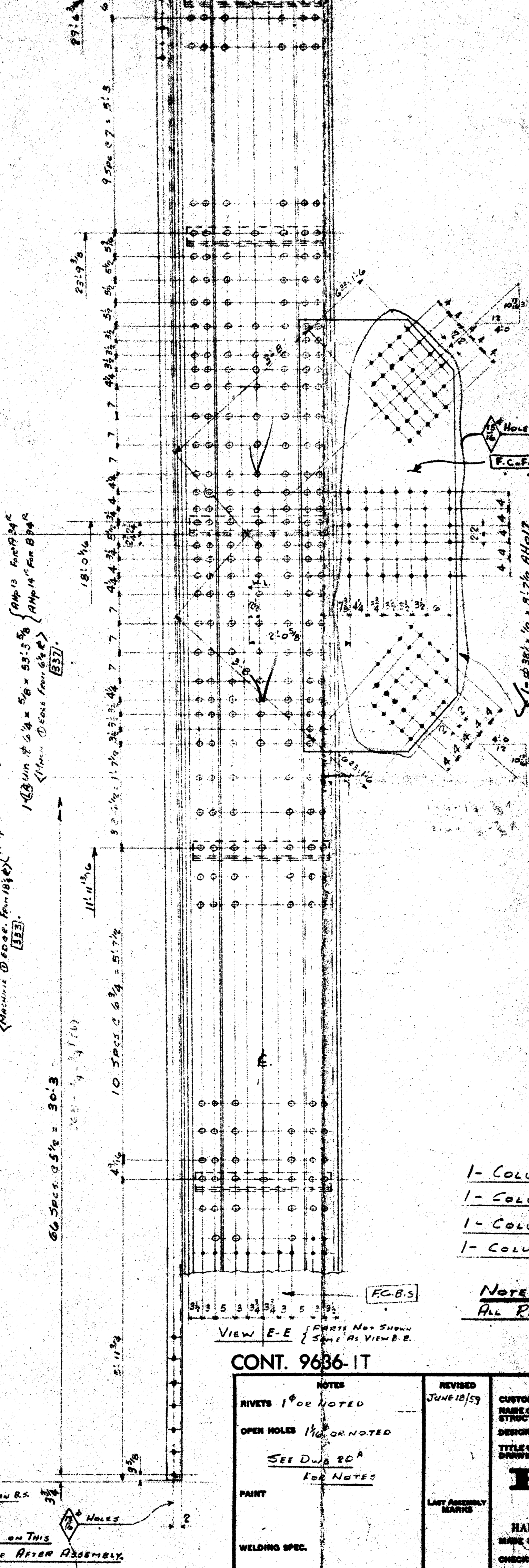
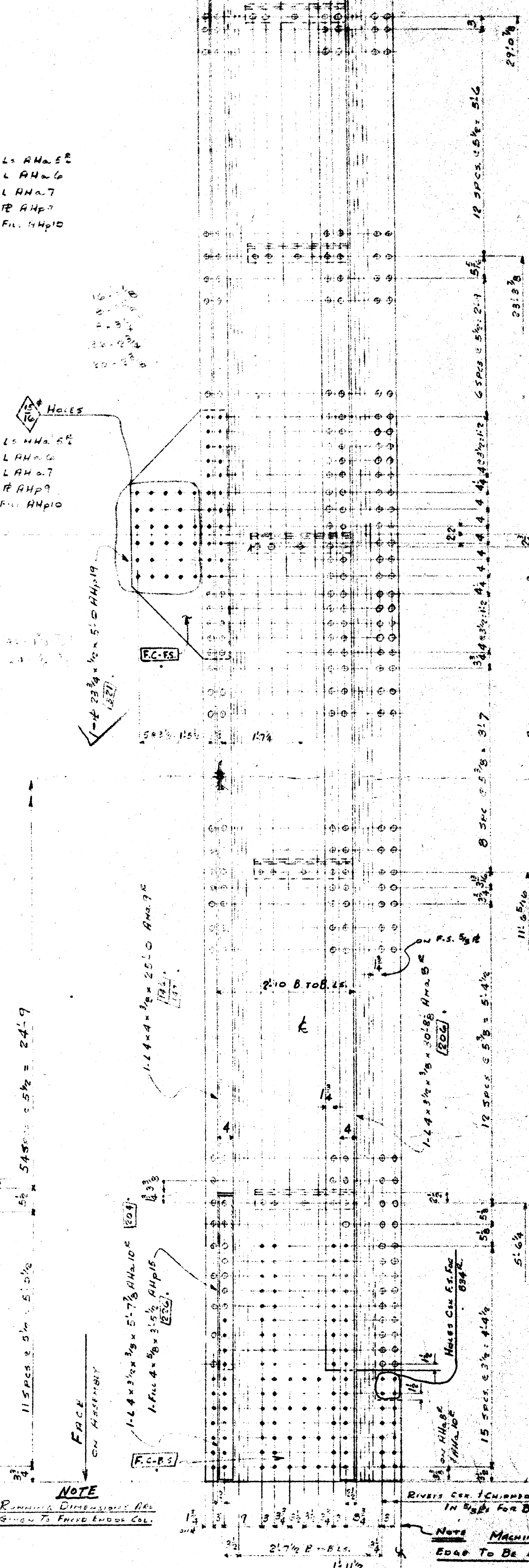
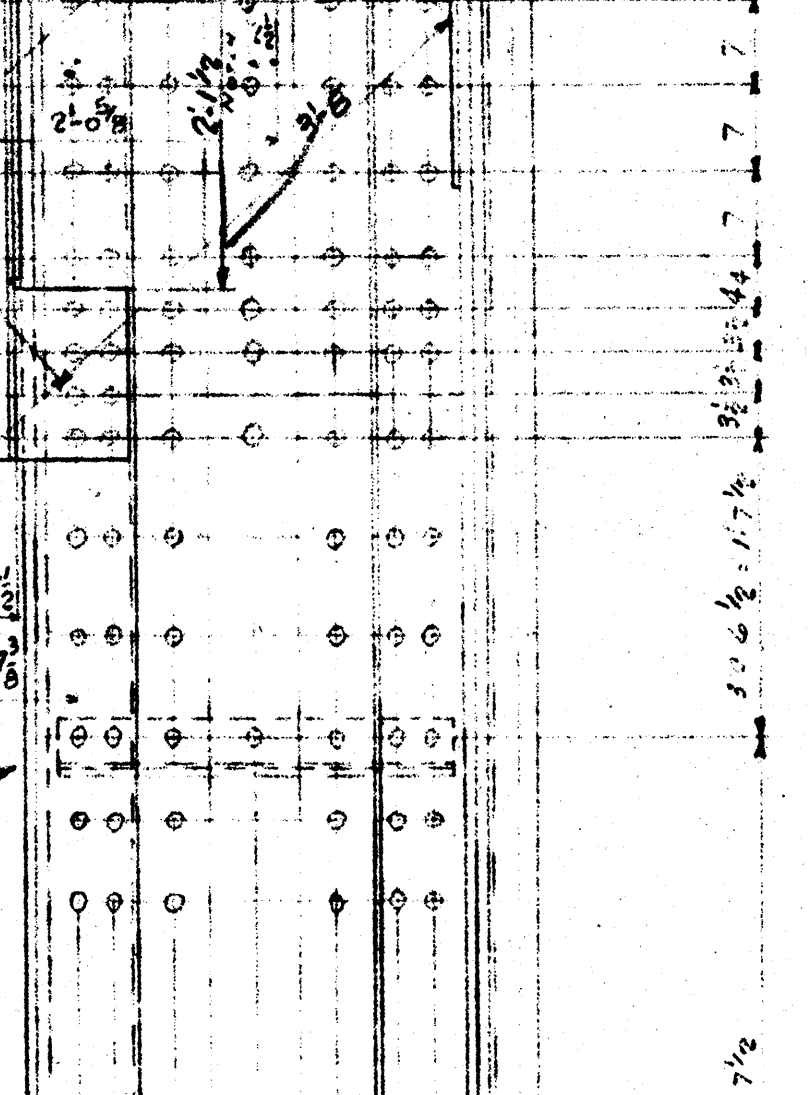
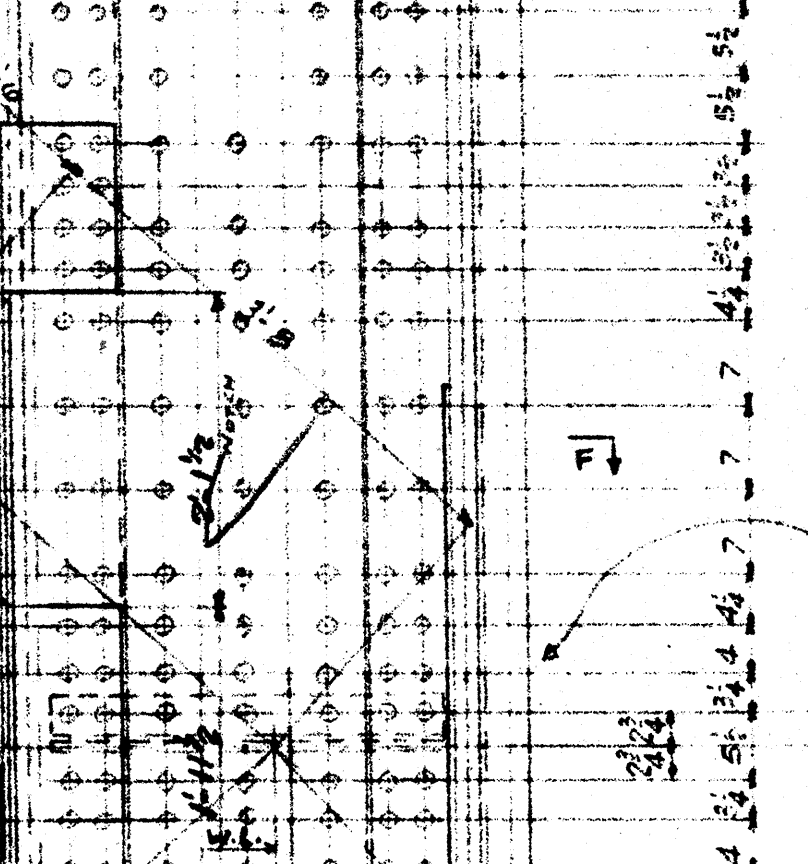
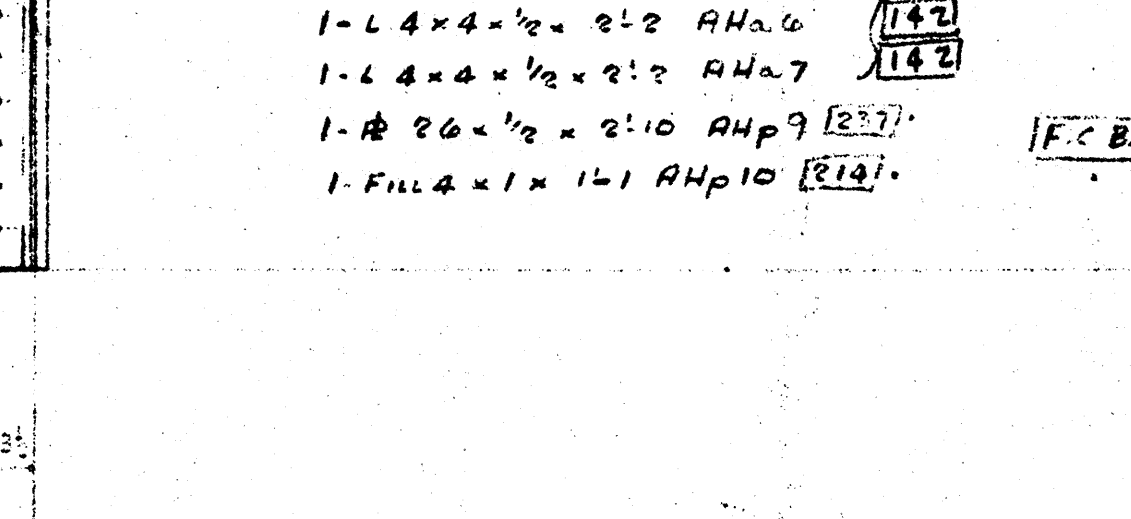
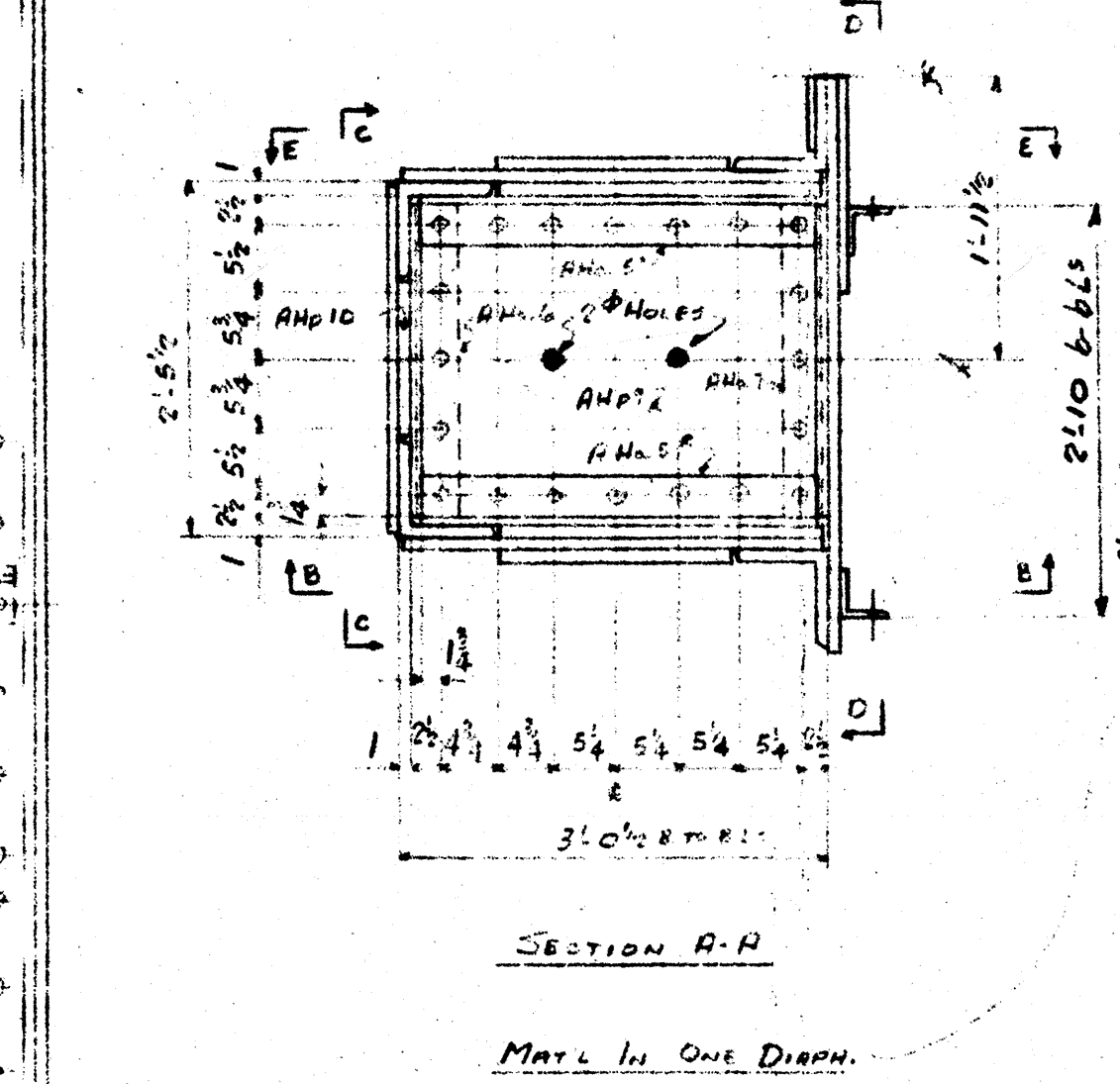
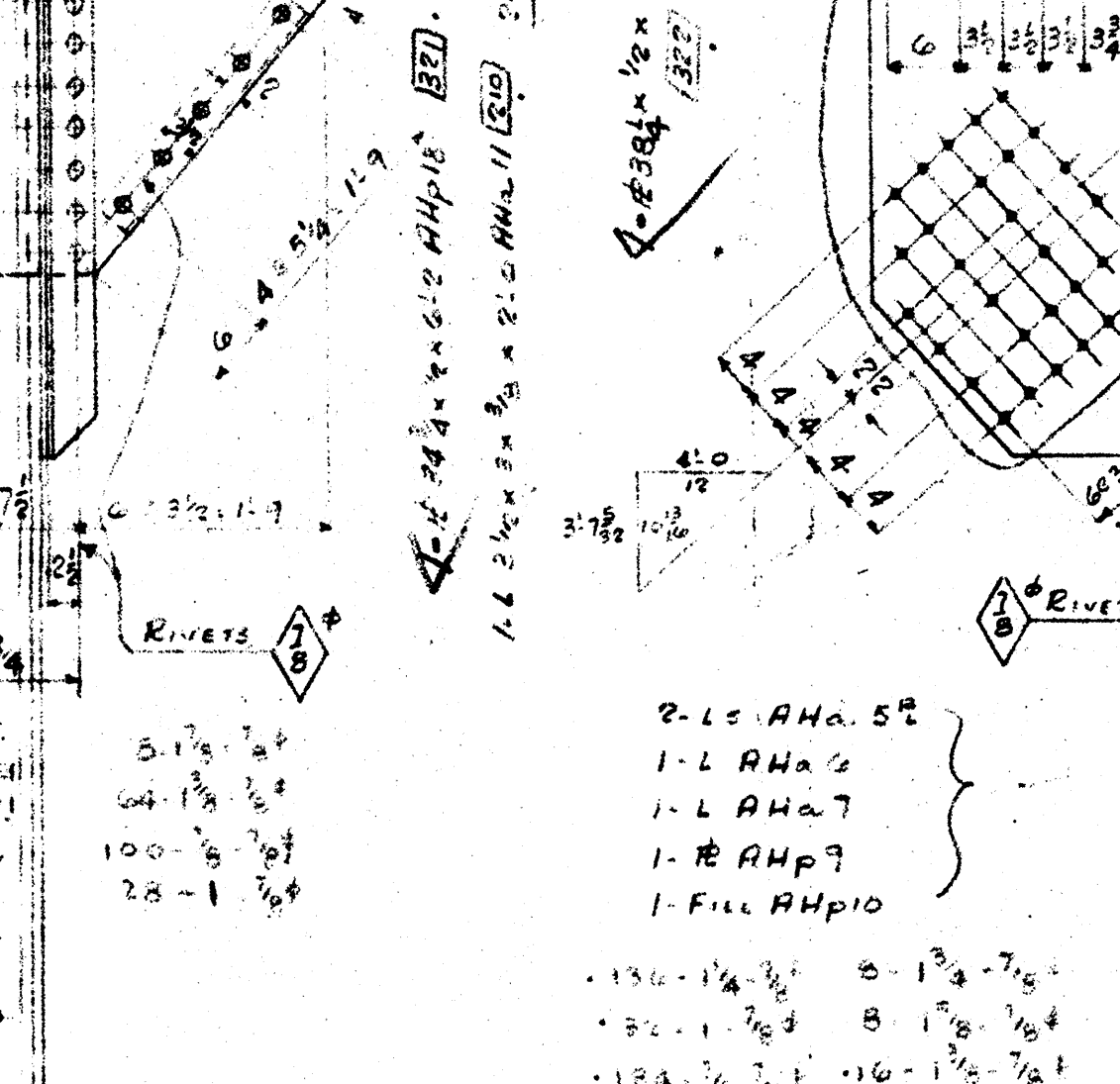
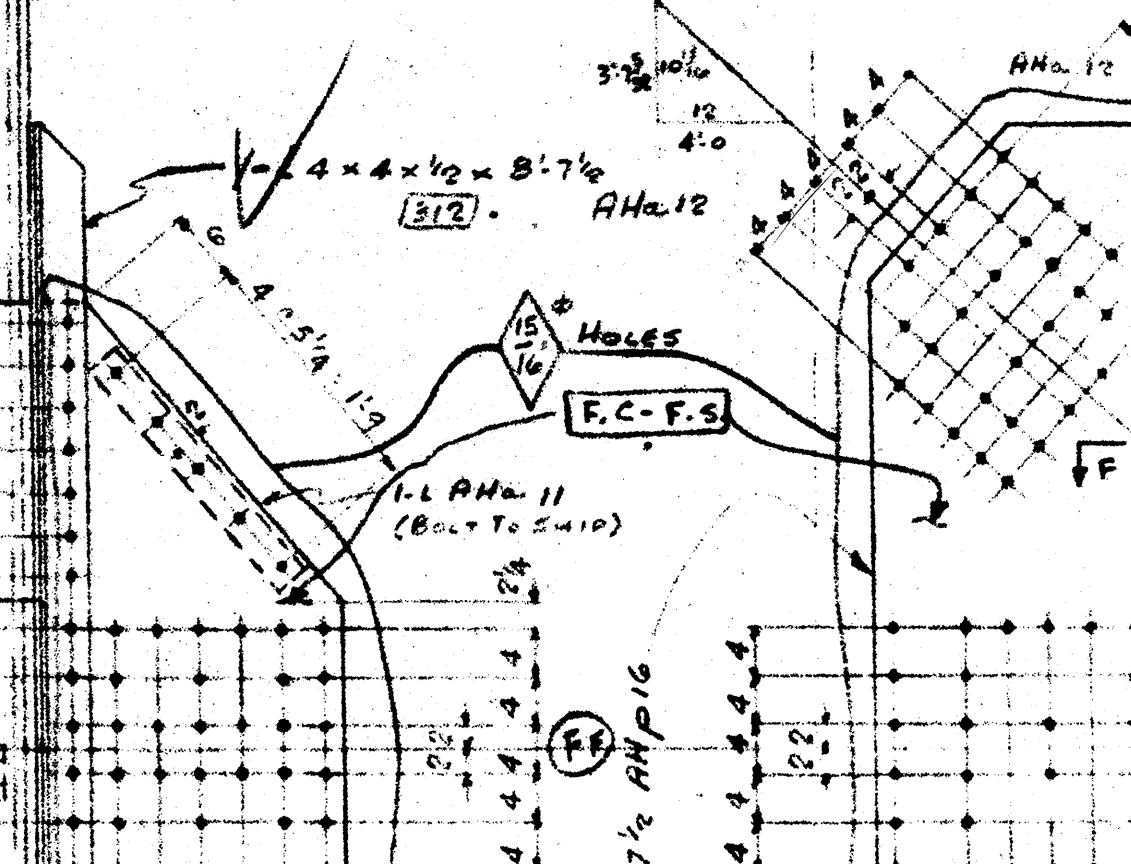


CONT. 9636-11 LAYOUTS L3 & L4 Work This Dra With Dra N° 23A

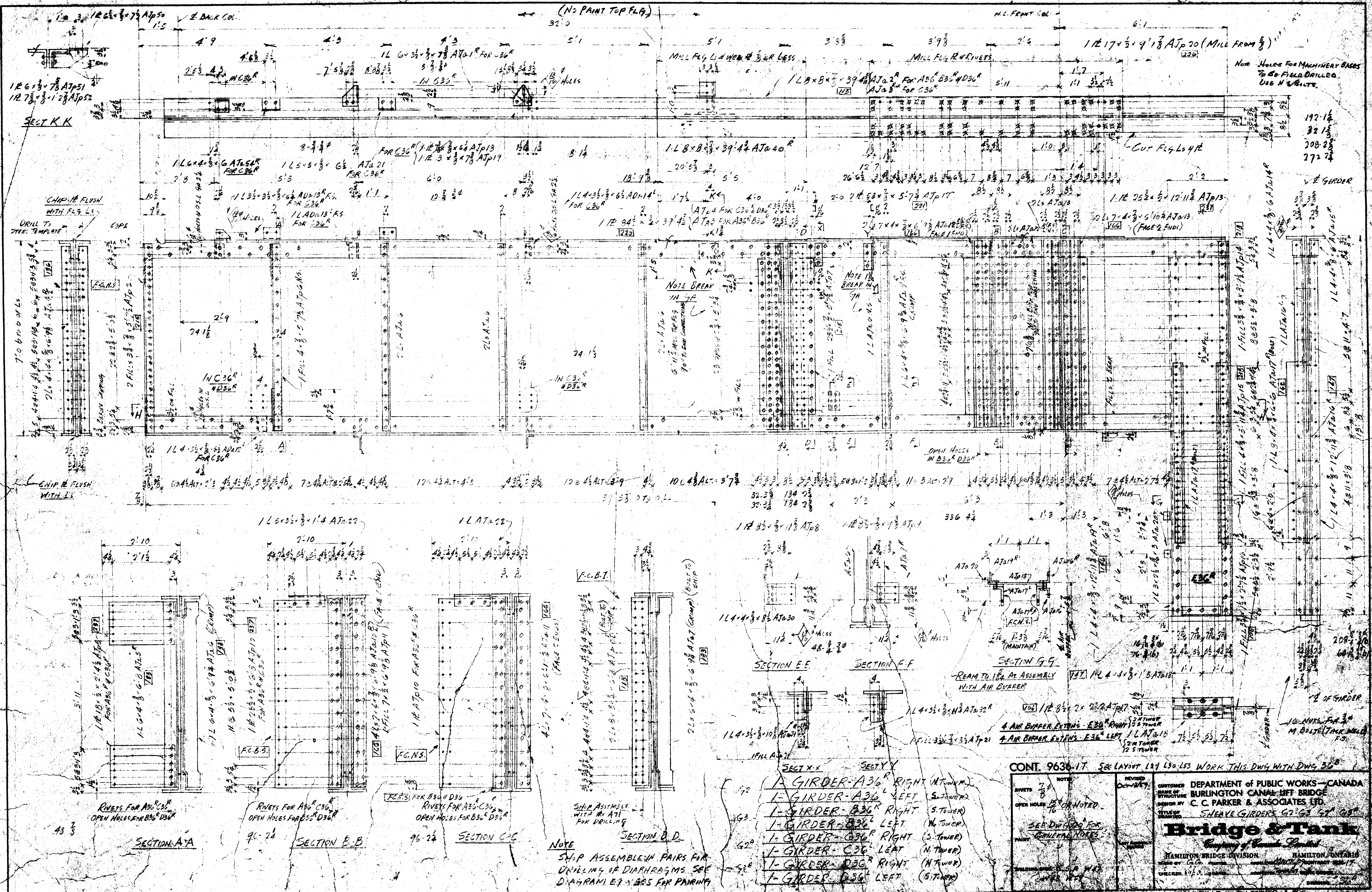
<p>NOTES</p> <p>RIVETS 7/8"</p> <p>OPEN HOLES 1 1/2"</p> <p>PAINT FOR NOTES SEE DRG N° 23A</p> <p>WELDING SPEC</p>	<p>REVISIONS</p> <p>CUSTOMER DEPARTMENT OF PUBLIC WORKS—CANADA</p> <p>NAME OF STRUCTURE BURLINGTON CANAL LIFT BRIDGE</p> <p>DESIGN BY C. C. PARKER & ASSOCIATES LTD.</p> <p>TITLE OF DRAWING BEAR COLUMNS — MIDDLE TIER</p> <p>Bridge & Tank</p> <p>Company of Canada Limited</p> <p>HAMILTON BRIDGE DIVISION HAMILTON, ONTARIO</p> <p>MADE BY [Signature] CONTRACT 9636-11</p> <p>CHECKED [Signature] DRAWN [Signature] 1-13 WORK ORDER</p> <p>SHOP BILLS</p>
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1-COLUMN SECTION - A34 (RIGHT) } NORTH TOWER
 1-COLUMN SECTION - A34 (LEFT) }
 1-COLUMN SECTION - B34 (RIGHT) } SOUTH TOWER
 1-COLUMN SECTION - B34 (LEFT) }



REV.	DATE	DESCRIPTION
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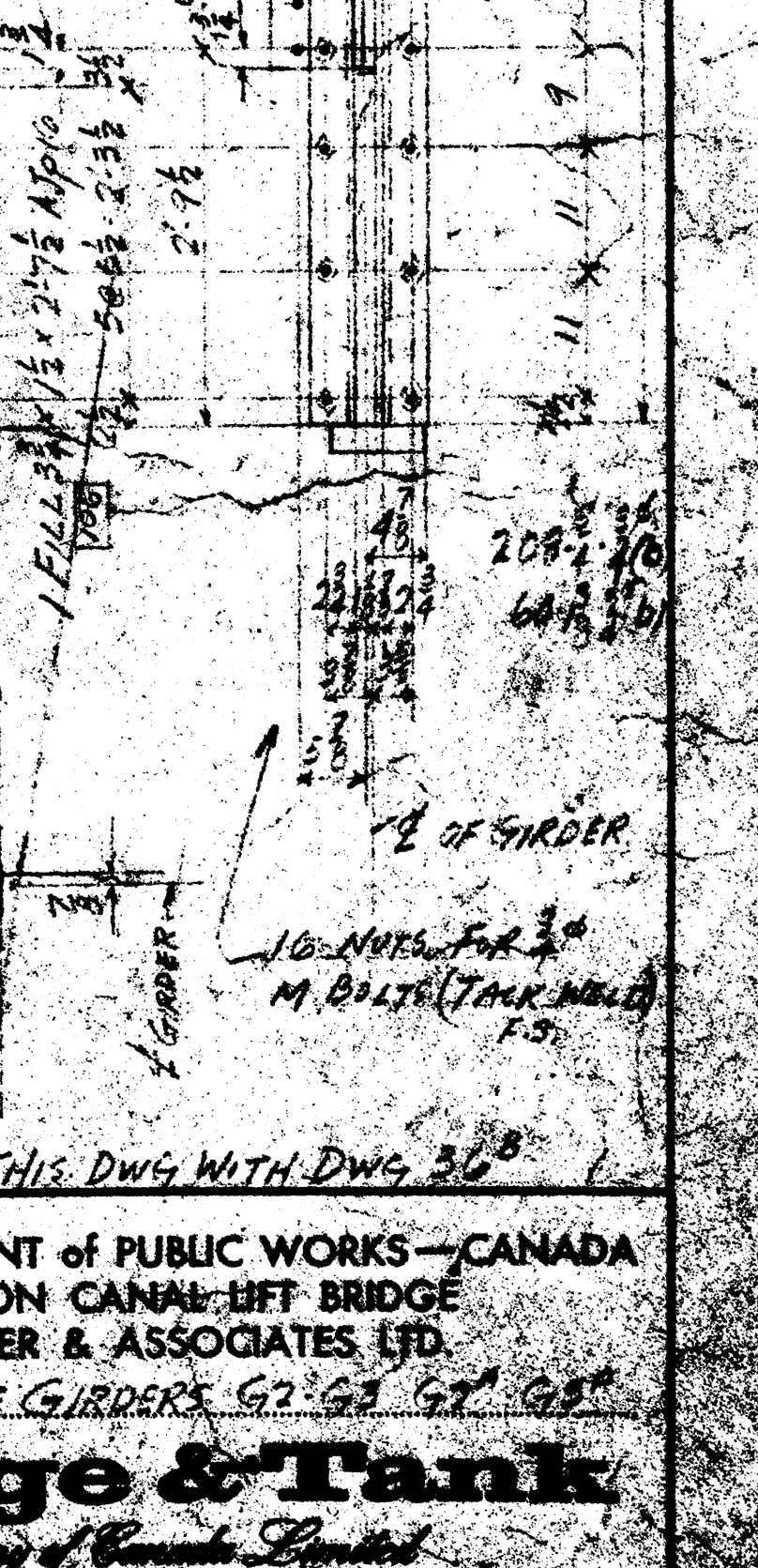
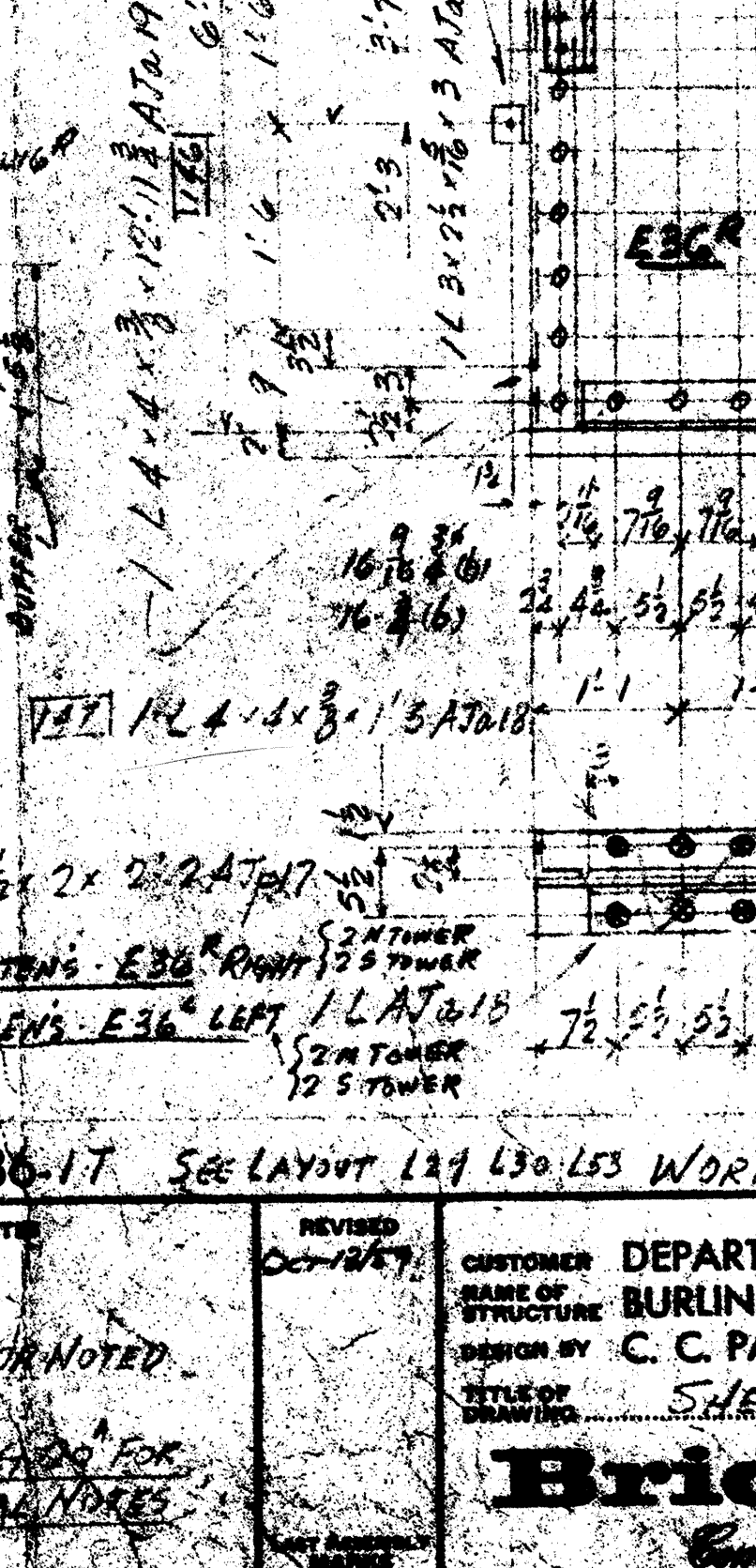
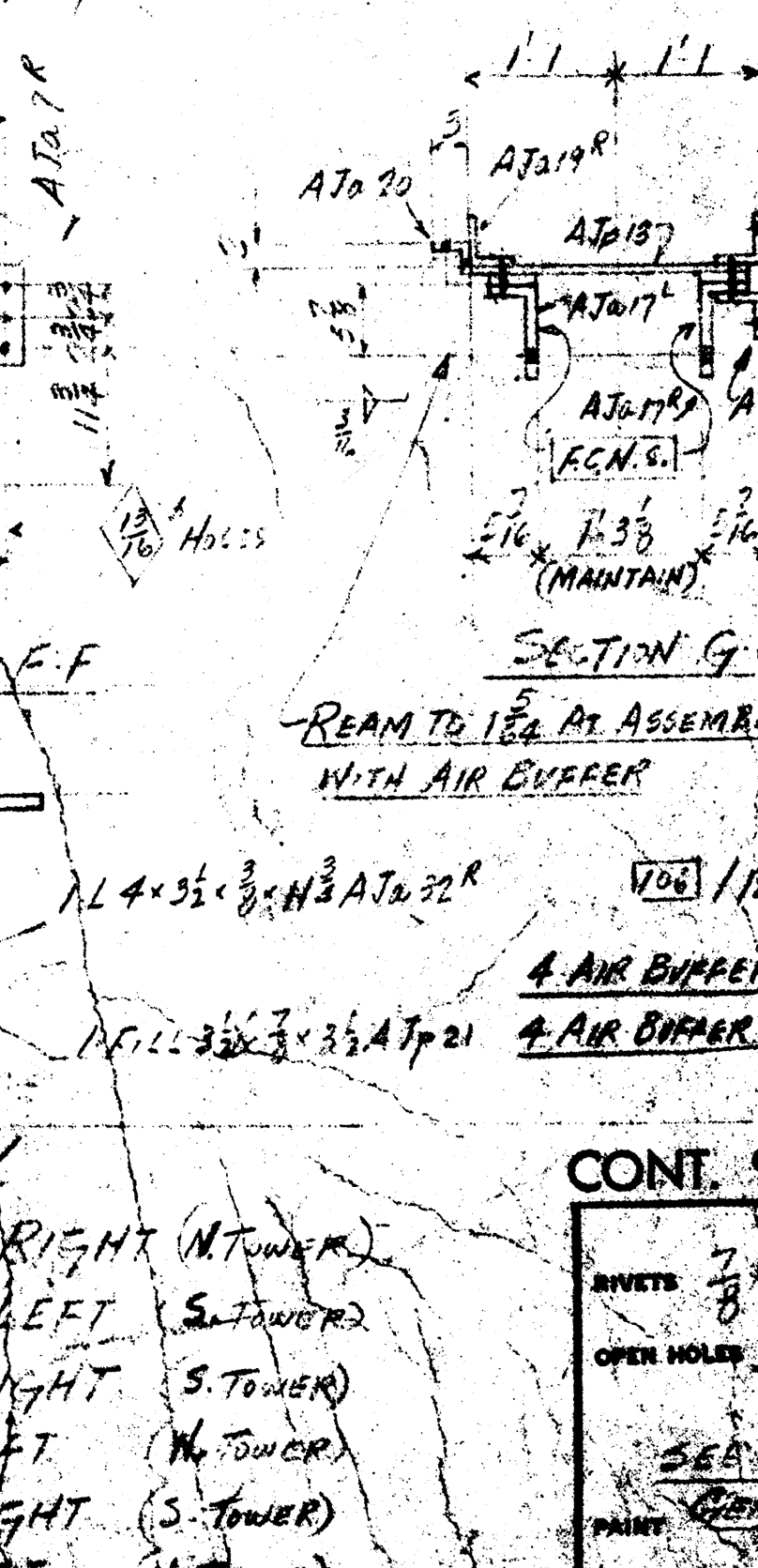
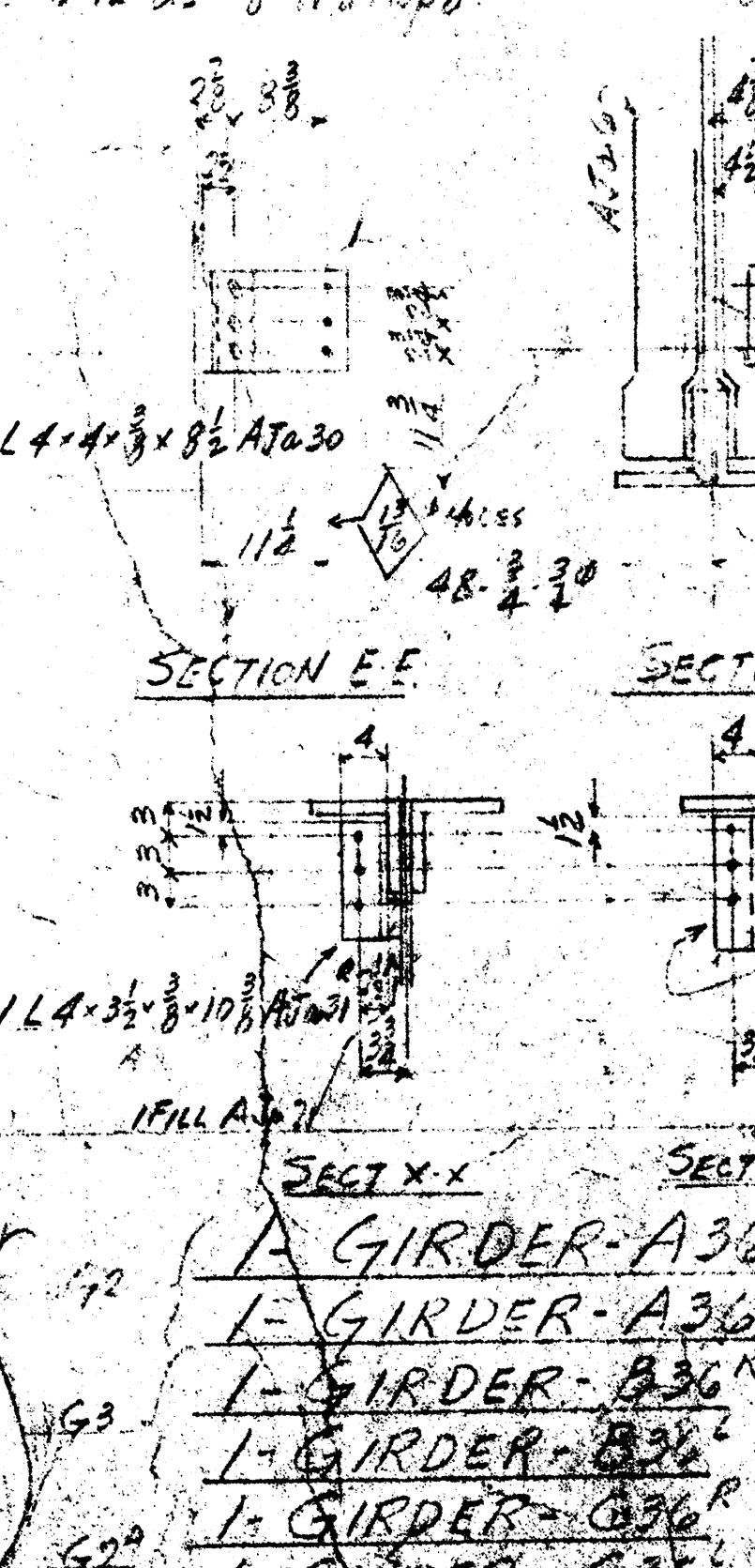
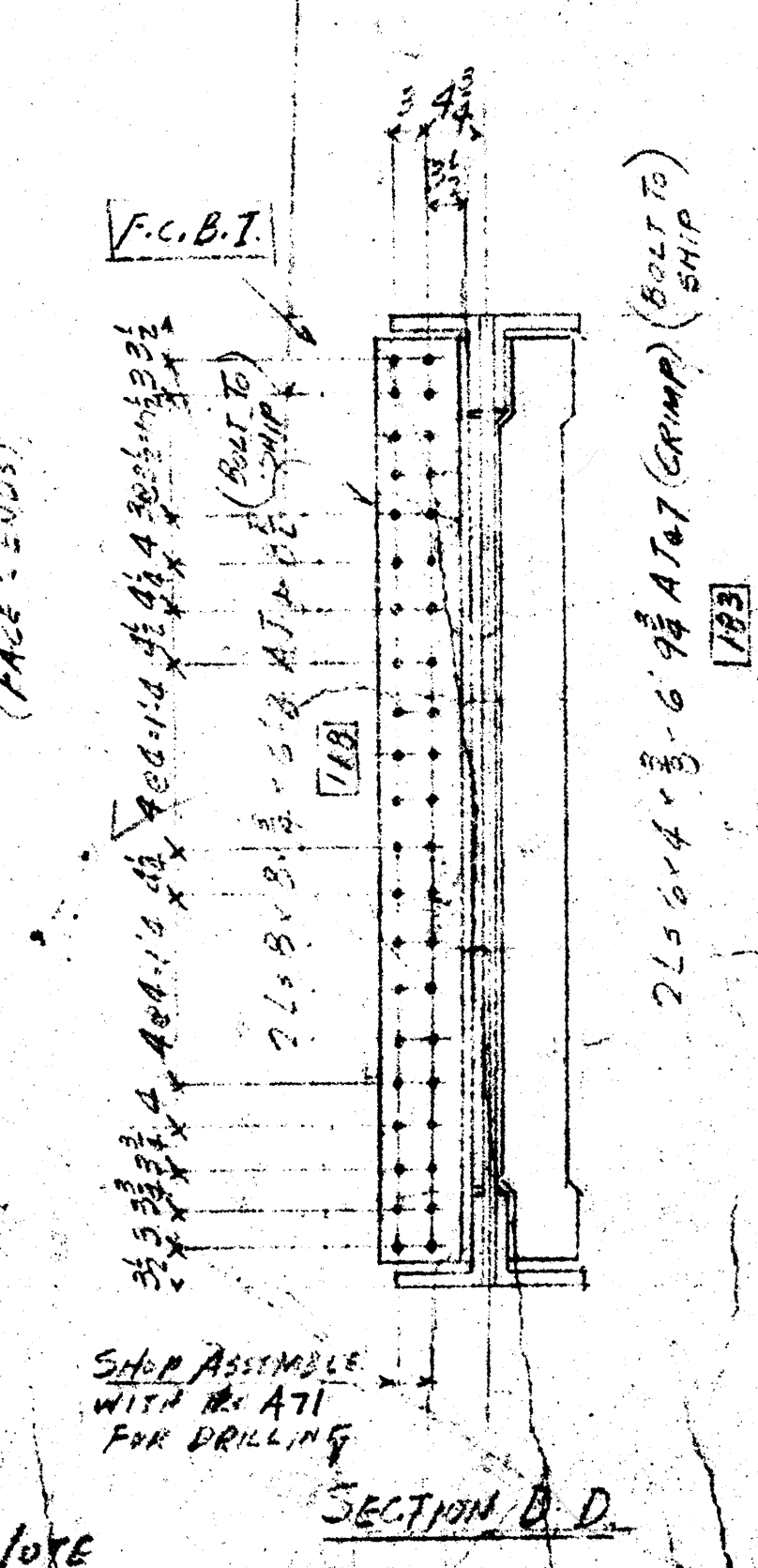
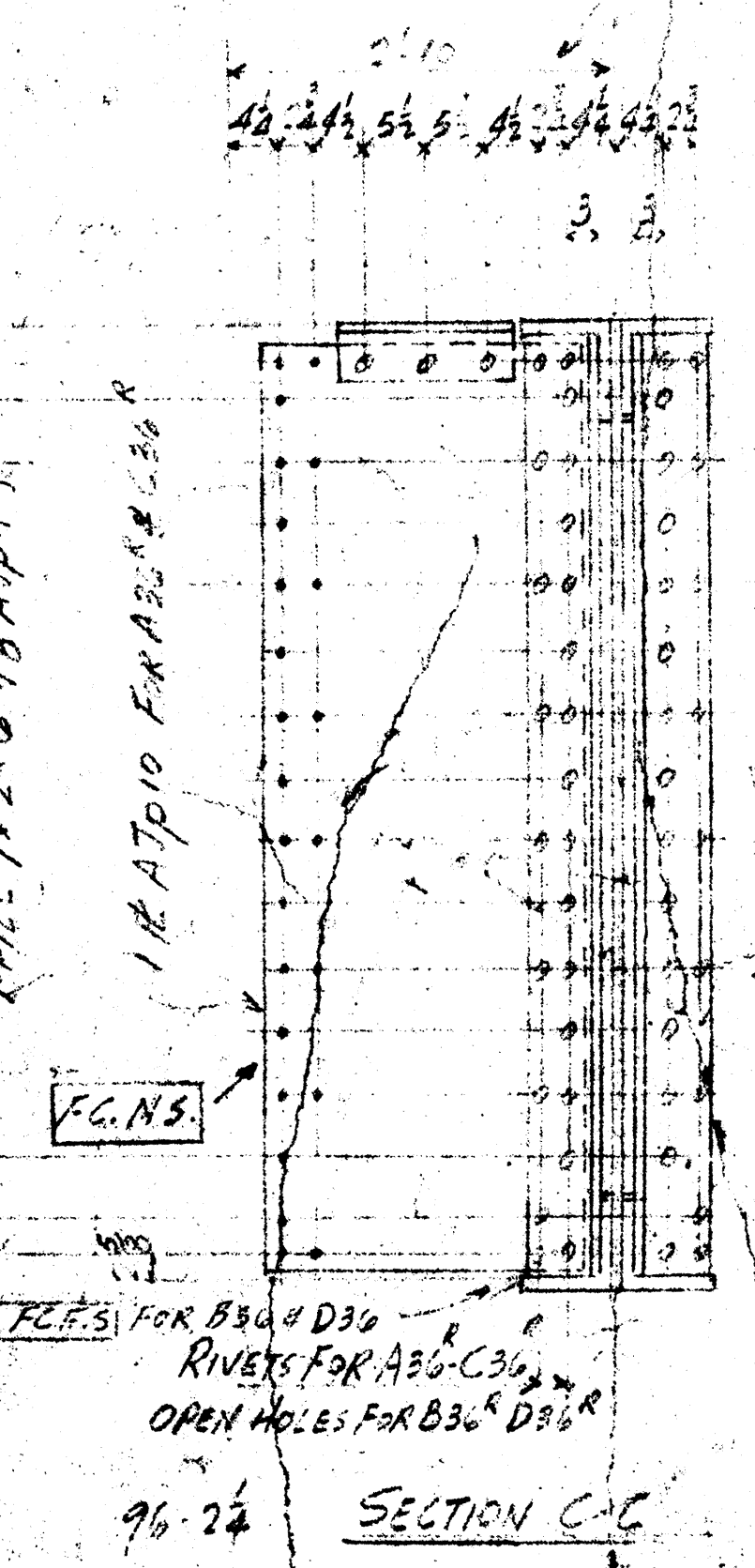
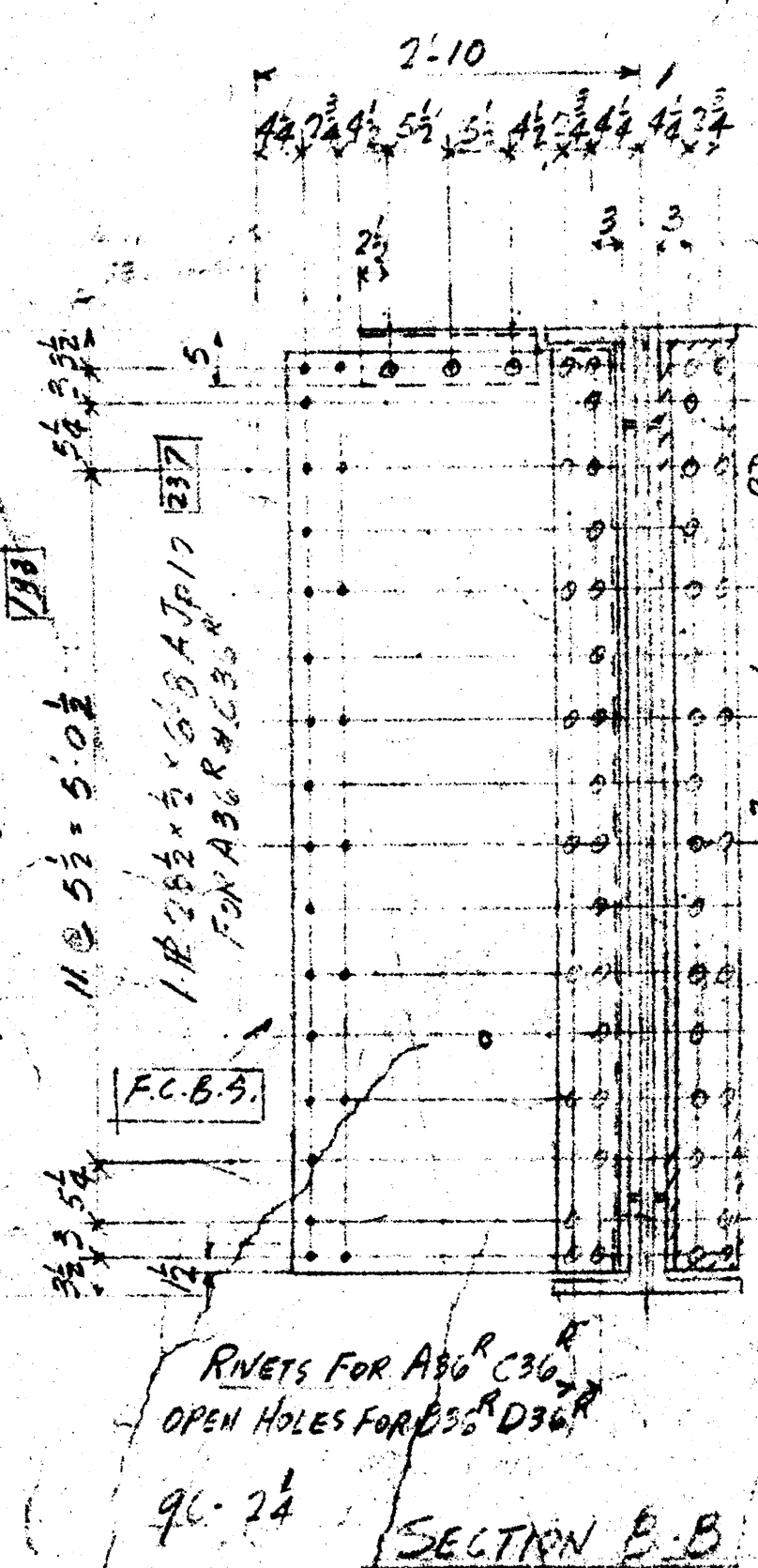
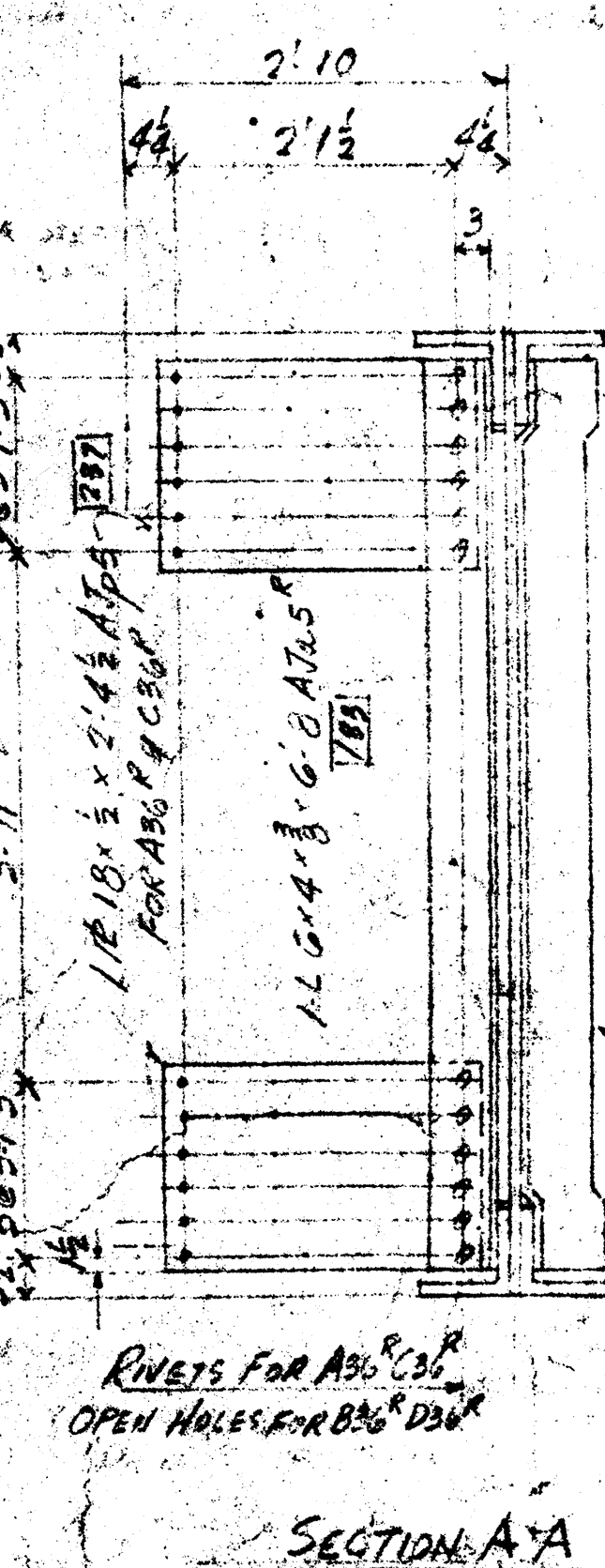
1/2 6 x 3/8 ATp51
1/2 7 x 3/8 ATp52

SECT K-K

CHIP & FLUSH WITH F&S L.S.

DRILL TO TREE TEMPLATE

CHIP & FLUSH WITH L.S.



NOTE
SHIP ASSEMBLY PAIRS FOR DRILLING OF DIAGRAMS SEE DIAGRAMS & S.S. FOR PAIRING

- 1 GIRDER - A36 RIGHT (N-TOWER)
- 1 GIRDER - A36 LEFT (S-TOWER)
- 1 GIRDER - B36 RIGHT (S-TOWER)
- 1 GIRDER - B36 LEFT (N-TOWER)
- 1 GIRDER - C36 RIGHT (S-TOWER)
- 1 GIRDER - C36 LEFT (N-TOWER)
- 1 GIRDER - D36 RIGHT (N-TOWER)
- 1 GIRDER - D36 LEFT (S-TOWER)

CONT. 9636-17 SEE LAYOUT 149 130.153 WORK THIS DWG WITH DWG 30

REVISED	DATE	BY	REASON
2	7/28
1

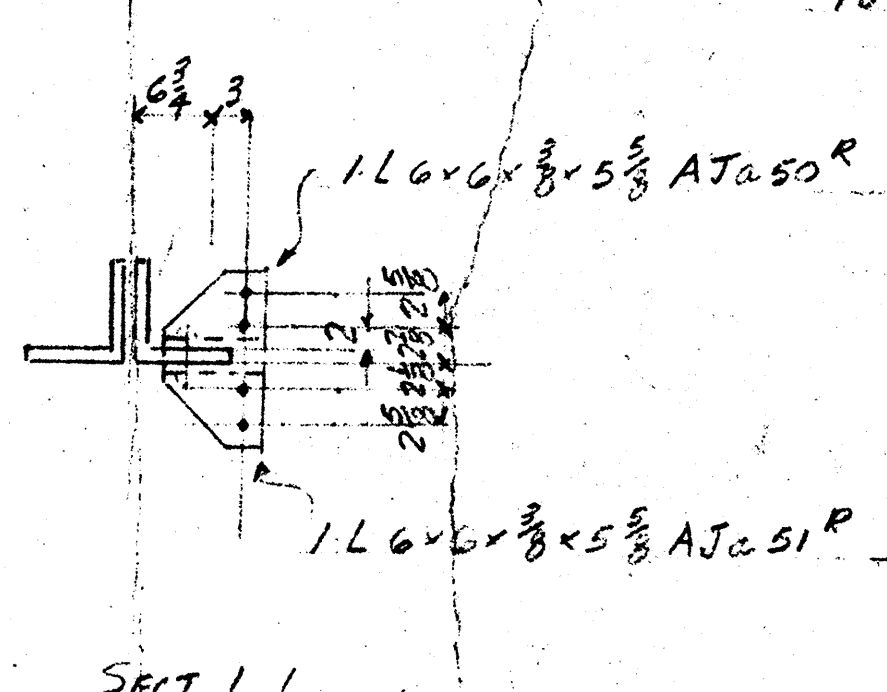
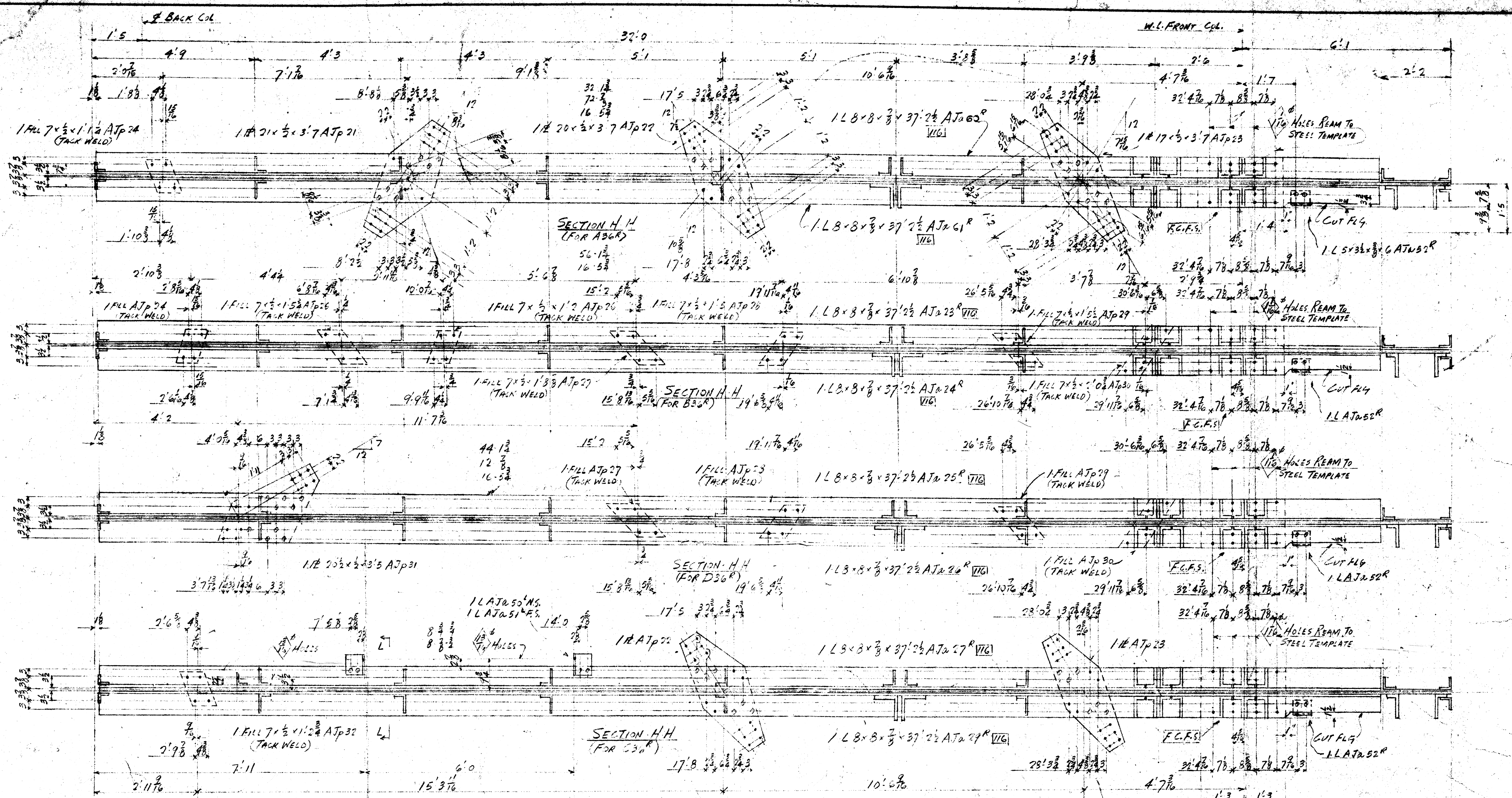
OPEN HOLES 1/2" OR NOTED

SEE DWG 9636 FOR GENERAL NOTES

CUSTOMER: DEPARTMENT OF PUBLIC WORKS - CANADA
 PROJECT: BURLINGTON CANAL LIFT BRIDGE
 DESIGNER: C. C. PARKER & ASSOCIATES LTD.
 DRAWING: SHEAVE GIRDERS G-7-G3 G-7-G8

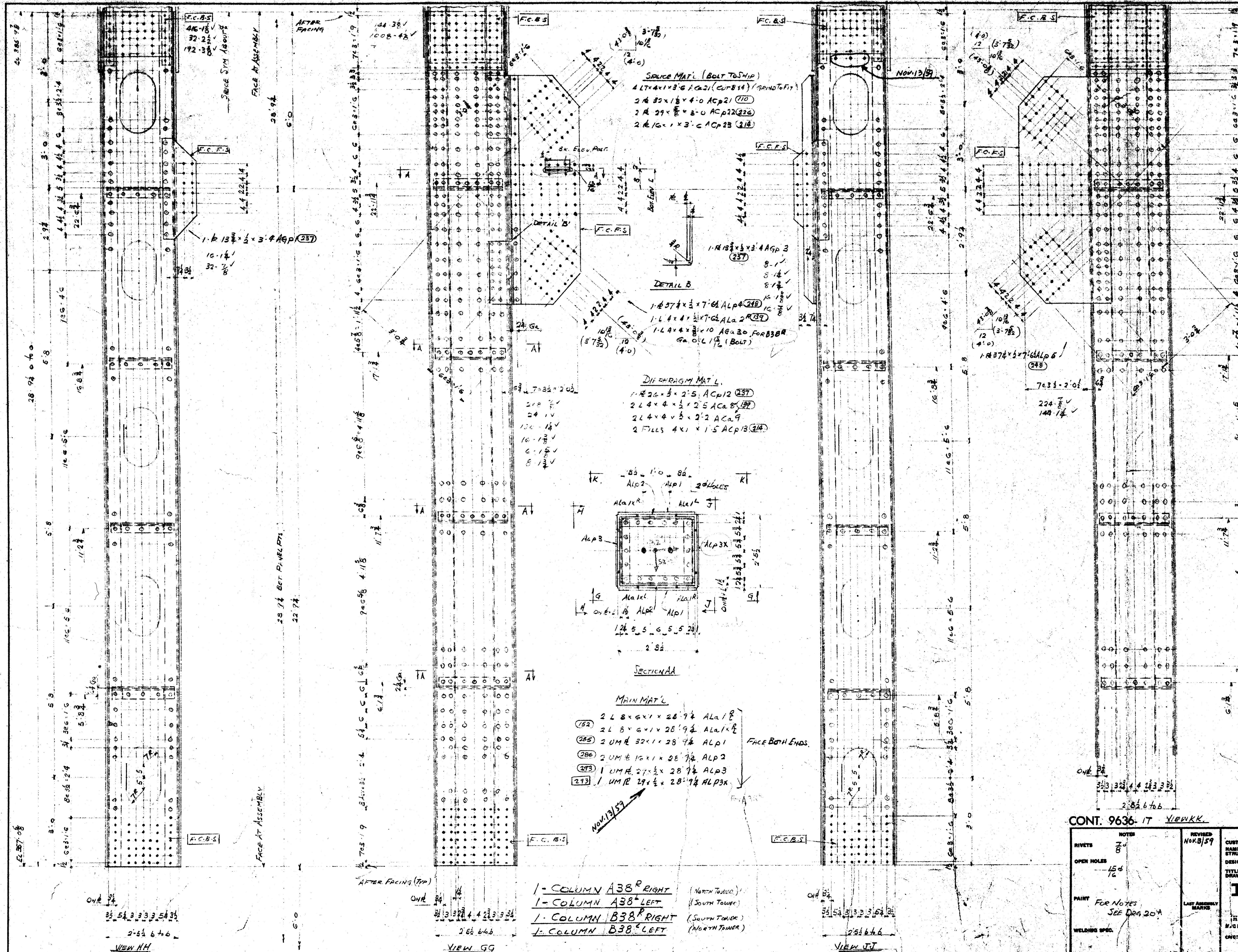
Bridge & Tank
 Company of Canada Limited

HAMILTON BRIDGE DIVISION HAMILTON ONTARIO
 100 KING ST. W. HAMILTON ONTARIO L8N 1K7
 CHECKED: I. J. ...



CONT. 9636-1T SEE LAYOUT 118 WORK THIS DWG WITH DWG 36A

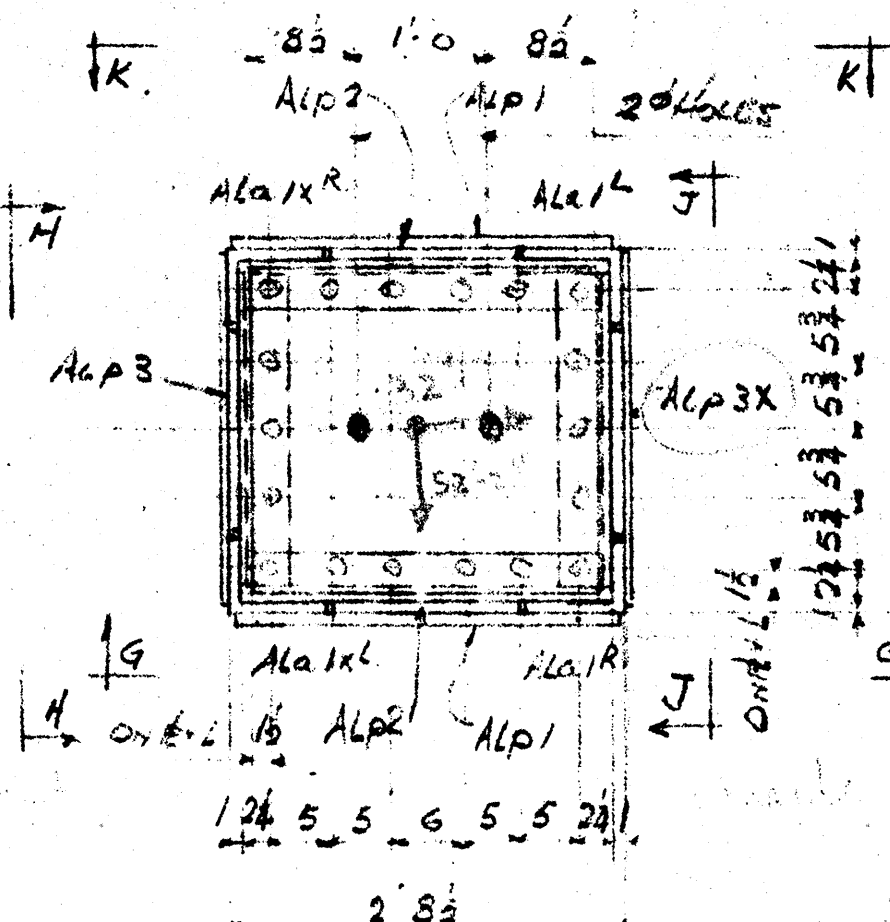
RIVETS 7/8 OPEN HOLES 1 1/2 OR NOTED SEE DWG 20 FOR NOTES PAINT WELDING SPEC.	NOTES REVISIONS CUSTOMER DEPARTMENT OF PUBLIC WORKS—CANADA BURLINGTON CANAL LIFT BRIDGE STRUCTURE DESIGN BY C. C. PARKER & ASSOCIATES LTD. DRAWING SHEAVE GIRDERS G2, G3, G4, G5 Bridge & Tank Company of Canada Limited HAMILTON BRIDGE DIVISION HAMILTON, ONTARIO MADE BY G. L. STEWART CONTRACTOR M.L. 24 CONTRACT 9636-1T CHECKED M. C. H. STATUS COMPLETE 10/21/51 WORK ORDER SHOP MILLS DRAWING 36B
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SOURCE MAT'L (BOLT TO SHIP)
 4 LTK 4x1/2 x 3/4 ACP 21 (CUT 814) (GRIND TO FIT)
 2 A 3/2 x 1/2 x 4-0 ACP 21 (70)
 2 A 29 x 3/8 x 8-0 ACP 22 (222)
 2 A 1/2 x 1 x 3-0 ACP 23 (218)

DETAIL B
 1-A 1/2 x 3/4 x 3-A ACP 3 (237)
 8-1/2
 3-1/4
 5-1/2
 1-A 3/4 x 1/2 x 7-62 ALP 2 (248)
 1-L 4 x 1/2 x 7-62 ALA 2 (239)
 1-L 4 x 1/2 x 10 ALA 20 FOR B38R
 2 A 1/2 (BOLT)

DIAGONAL MAT'L
 1-A 26 x 5 x 2-5 ACP 12 (237)
 2-L 4 x 4 x 1/2 x 2-5 ACP 8 (192)
 2-L 4 x 4 x 1/2 x 2-2 ACP 9
 2 FILLS 4x1 x 1-5 ACP 13 (214)



MAIN MAT'L
 2 L 8 x 6 x 1/2 x 28-9 1/2 ALA 1 B
 2 L 8 x 6 x 1/2 x 28-9 1/2 ALA 1 B
 2 UMB 32 x 1/2 x 28-9 1/2 ALP 1
 2 UMB 16 x 1/2 x 28-9 1/2 ALP 2
 1 UMB 27 x 1/2 x 28-9 1/2 ALP 3
 1 UMB 27 x 1/2 x 28-9 1/2 ALP 3X

1-COLUMN A38^R RIGHT (NORTH TOWER)
 1-COLUMN A38^L LEFT (SOUTH TOWER)
 1-COLUMN B38^R RIGHT (SOUTH TOWER)
 1-COLUMN B38^L LEFT (NORTH TOWER)

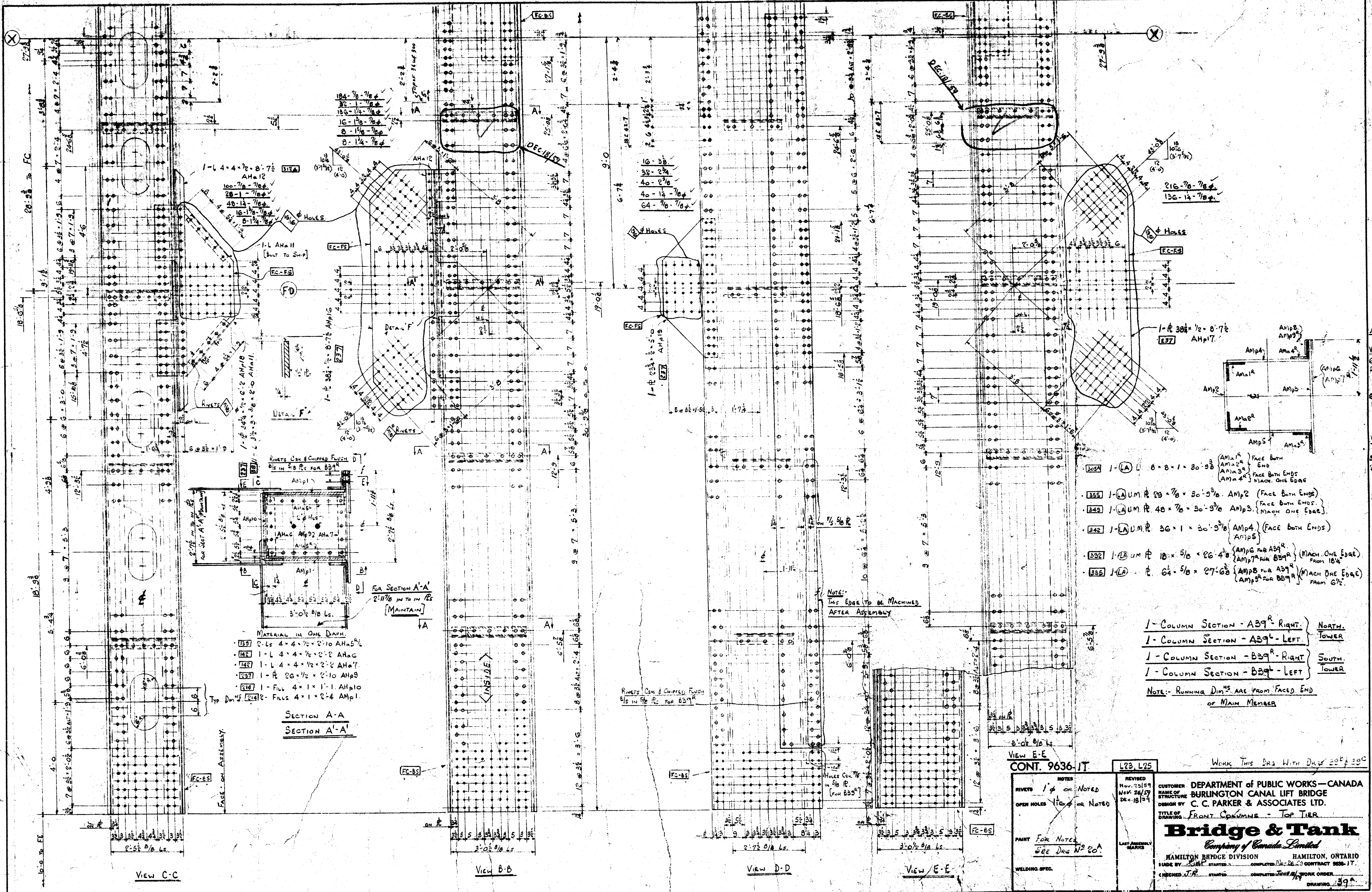
SHOP NOTE:
 RUNNING DIM. ARE GIVEN
 TO FACED END, THESE DIM.
 TO BE ADJUSTED TO ALLOW FOR
 FACING.

CONT. 9636-17 VIEW KK

NOTES	REVISED
RIVETS 7/8	NOV 8/59
OPEN HOLES 15/16	
PAINT FOR NOTES SEE DRG 207	
WELDING SPEC.	

DEPARTMENT OF PUBLIC WORKS—CANADA
 BURLINGTON CANAL LIFT BRIDGE
 C. C. PARKER & ASSOCIATES LTD.
 REAR COLUMN THIRD TIER
Bridge & Tank
 Company of Canada Limited
 HAMILTON BRIDGE DIVISION HAMILTON, ONTARIO
 MADE BY M.C.R. CONTRACT 9636-17
 CHECKED R.C.H. CONTRACT 9636-17
 WORK ORDER
 DRAWING 38

SHOP BILLS
 NORTH TOWER
 SOUTH TOWER
 OFFICE



- MATERIAL IN ONE DIAPHRAGM
- [137] 2-LS 4 x 4 1/2 x 2-10 AH#5
 - [142] 1-L 4 x 4 1/2 x 2-8 AH#6
 - [143] 1-L 4 x 4 1/2 x 2-8 AH#7
 - [147] 1-R 26 x 1/2 x 2-10 AH#8
 - [148] 1-FIL 4 x 1 x 1-1 AH#10
 - [149] 2-FIL 4 x 1 x 2-4 AMP1

SECTION A-A
SECTION A'-A'

- [305] 1-(A) 8 x 8 x 30-9 3/8 (AMP#1) FACE BOTH ENDS
- [355] 1-(A) UM R 28 x 7/8 x 30-9 3/8 AMP#2 (FACE BOTH ENDS)
- [349] 1-(A) UM R 48 x 7/8 x 30-9 3/8 AMP#3 (FACE BOTH ENDS)
- [342] 1-(A) UM R 36 x 1 x 30-9 3/8 (AMP#4) (FACE BOTH ENDS)
- [332] 1-(A) UM R 18 x 5/8 x 26-4 3/8 (AMP#5) (MATCH ONE EDGE)
- [335] 1-(A) 6 1/4 x 5/8 x 27-0 3/8 (AMP#6) (MATCH ONE EDGE)

1 - COLUMN SECTION - A39^R - RIGHT NORTH
 1 - COLUMN SECTION - A39^L - LEFT LOWER
 1 - COLUMN SECTION - B39^R - RIGHT SOUTH
 1 - COLUMN SECTION - B39^L - LEFT LOWER

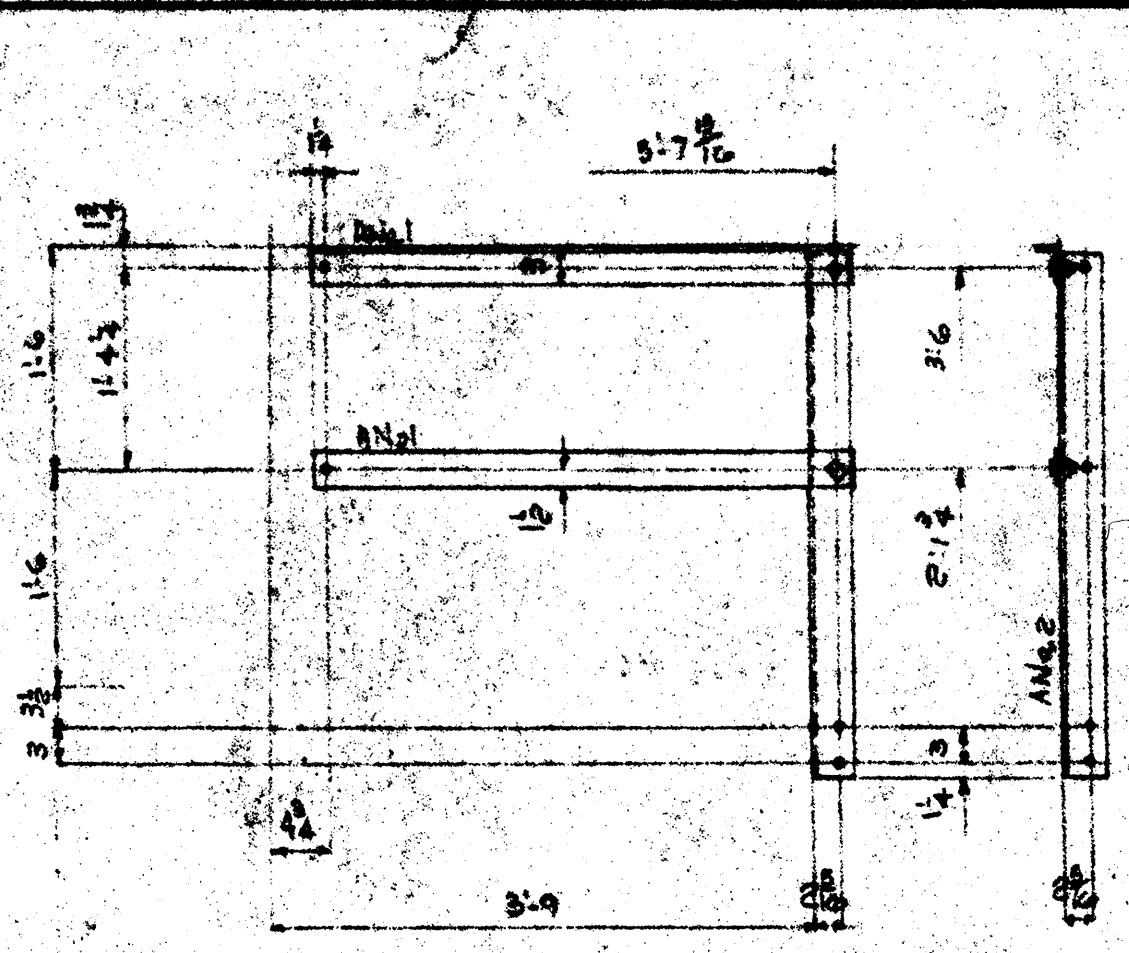
NOTE: RUNNING DIMS ARE FROM FACED END OF MAIN MEMBER

CONT. 9636-1T

REVISED Nov. 25/59 Nov. 26/59 Dec. 18/59	NOTES RIVETS 1" or NOTED OPEN HOLES 1" or NOTED PAINT FOR NOTES SEE DRG NO. 20A WELDING SPEC.	REVISIONS L23, L25	WORK THIS DRG WITH DRG 9636-20
CUSTOMER: DEPARTMENT OF PUBLIC WORKS - CANADA STRUCTURE: BURLINGTON CANAL LIFT BRIDGE DESIGN BY: C. C. PARKER & ASSOCIATES LTD. TITLE OF DRAWING: FRONT COLUMN - TOP TIER		<p>Bridge & Tank Company of Canada Limited</p> <p>HAMILTON BRIDGE DIVISION HAMILTON, ONTARIO MADE BY... STARTED... COMPLETED... CONTRACT 9636-1T CHECKED... STARTED... COMPLETED... WORK ORDER... DRAWING 39</p>	

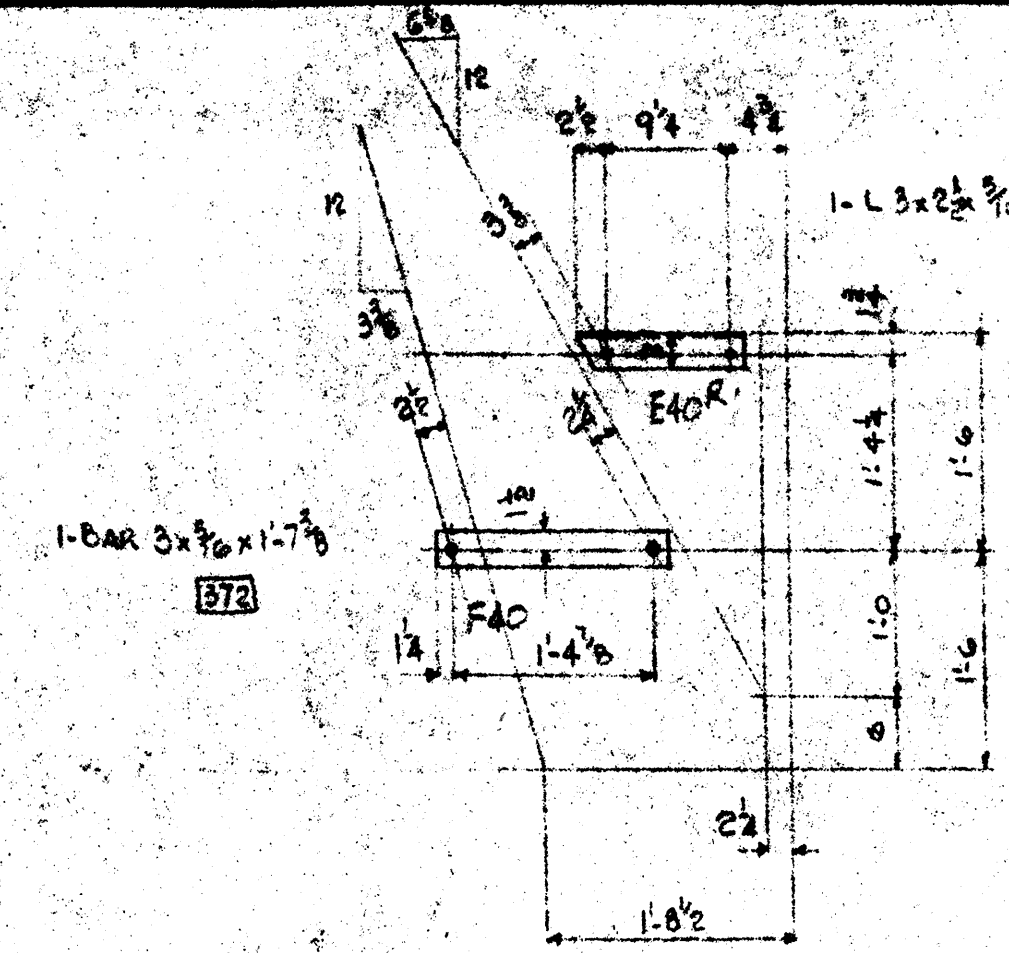
1/4 RIVETS
 VIEW C-C
 672-1/8
 224-2 3/8
 VIEW B-B
 176-2 3/8
 8-3
 32-3 3/8
 VIEW D-D
 74-2 3/8
 894-3/8
 284-1 1/2
 32-2 1/2
 48-1 3/8
 340-1 1/2
 40-2 3/8
 VIEW E-E
 620-2
 840-2 1/2
 8-3
 32-3 3/8
 SECTIONAL
 25'-11"
 6'-11"

SHOP BILLS ABCD NORTH TOWER
 E.F.G.H. SOUTH TOWER

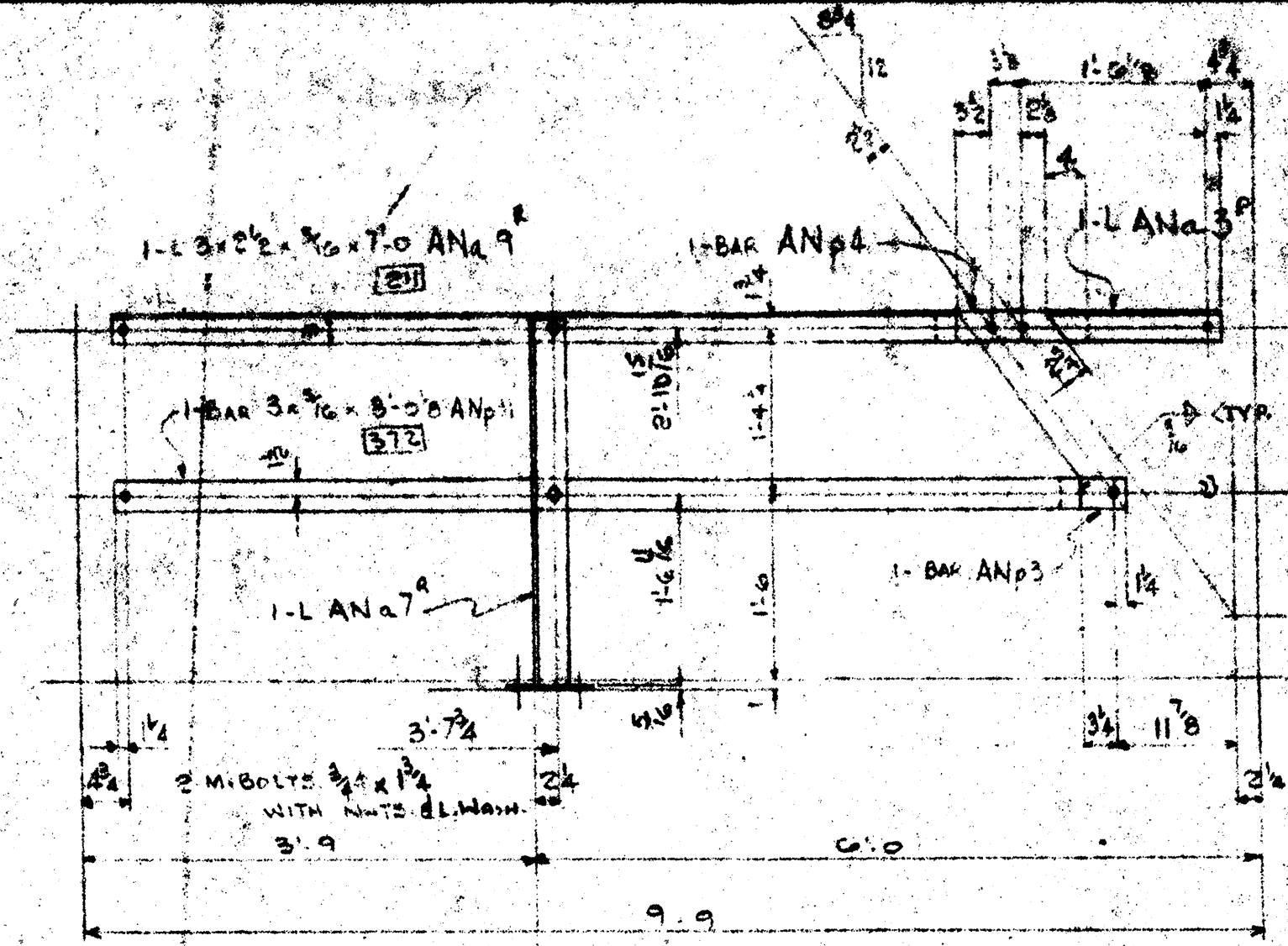


1-L 3x2 1/2 x 3/8 ANA1
 1-BAR 3x5/8 x 3/8 ANP1
 1-L 3/2 x 2 1/2 x 3/8 ANA2
 2-M BOLTS 3/8 x 1 1/2 WITH NUTS & L.WASH.

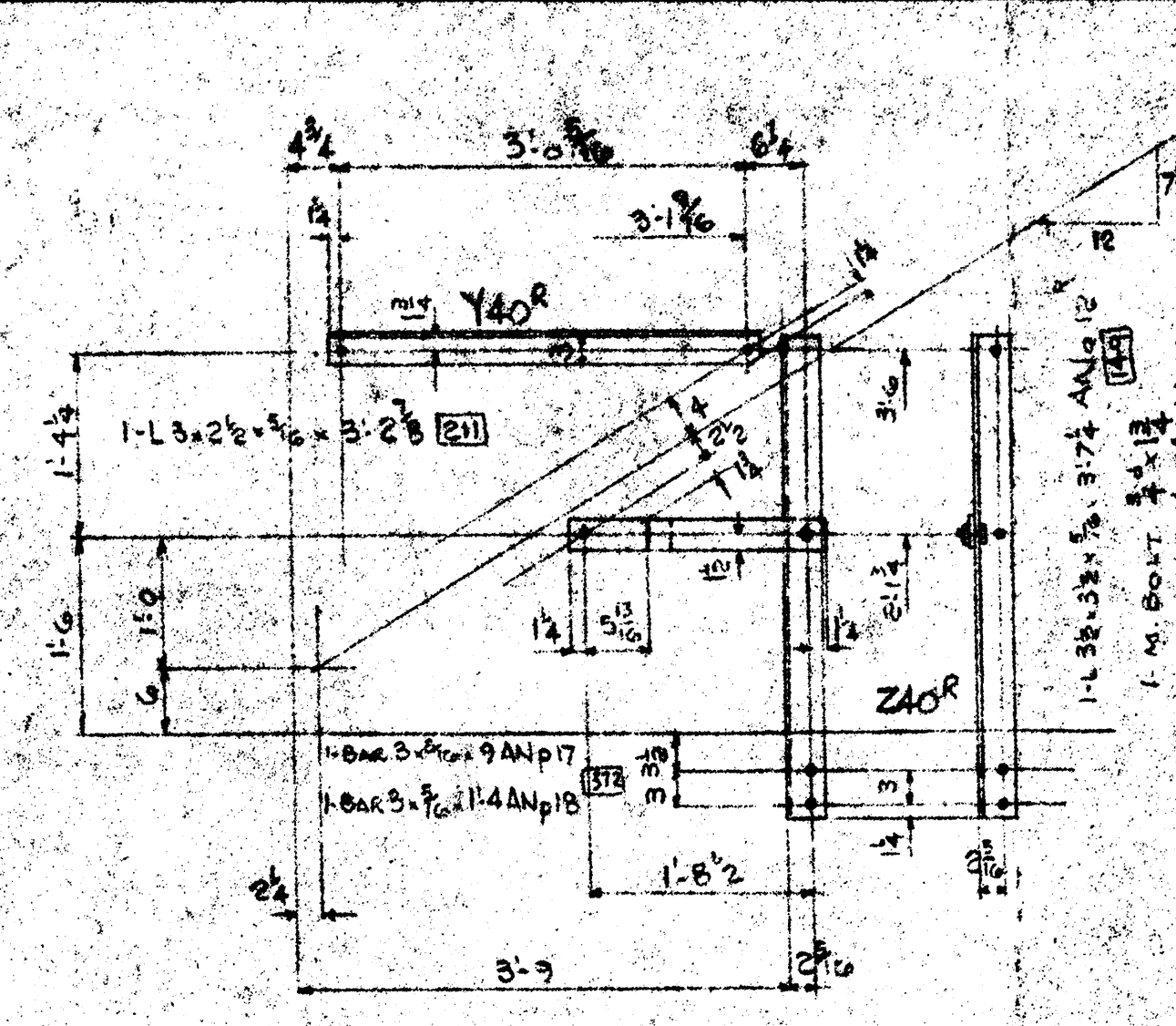
8-HANDRAIL SECTIONS A40R (RIGHT)
 8-HANDRAIL SECTIONS A40L (LEFT)



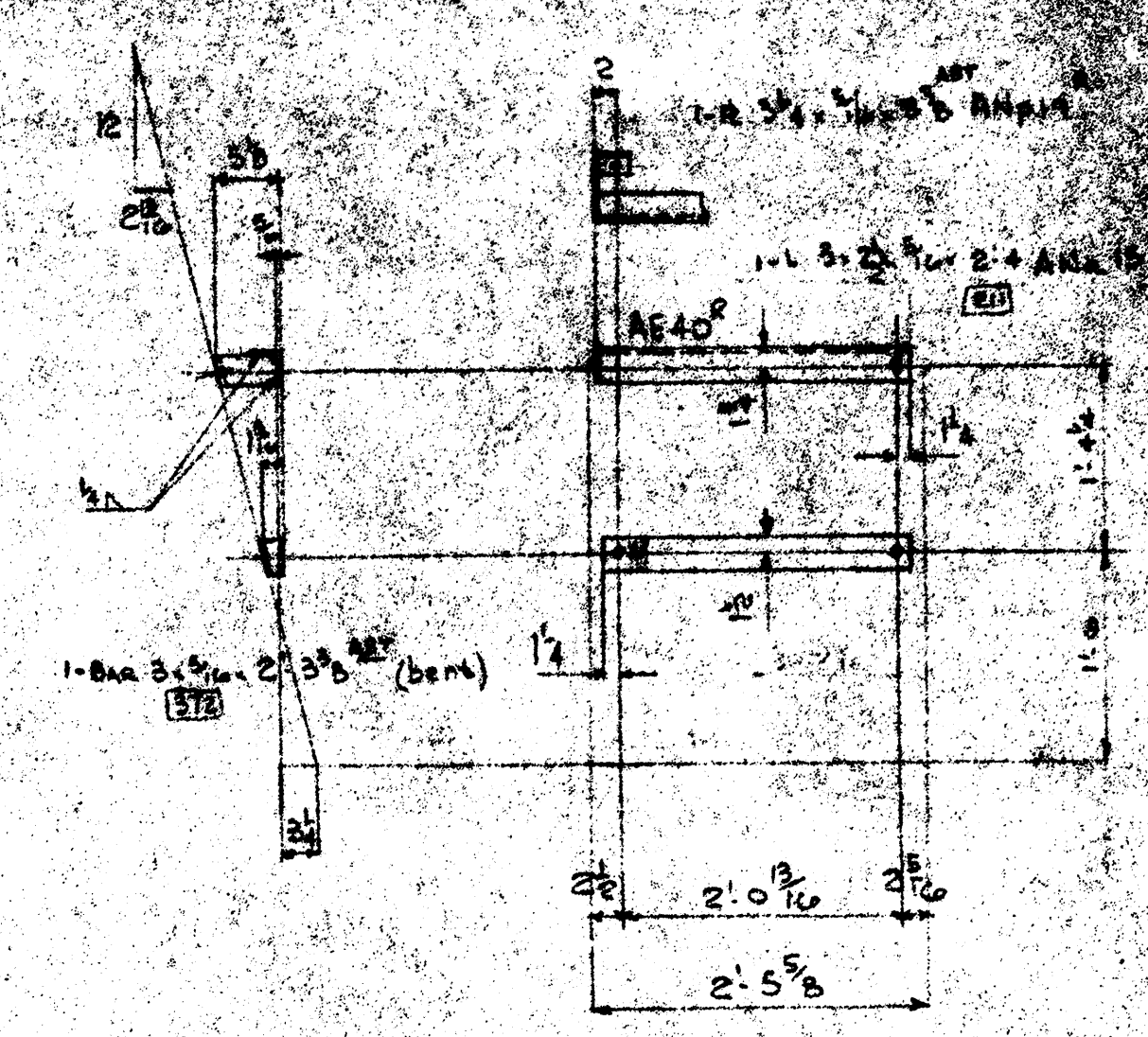
4-ANGLES E40R (RIGHT)
 4-ANGLES E40L (LEFT)
 8-BARS E40



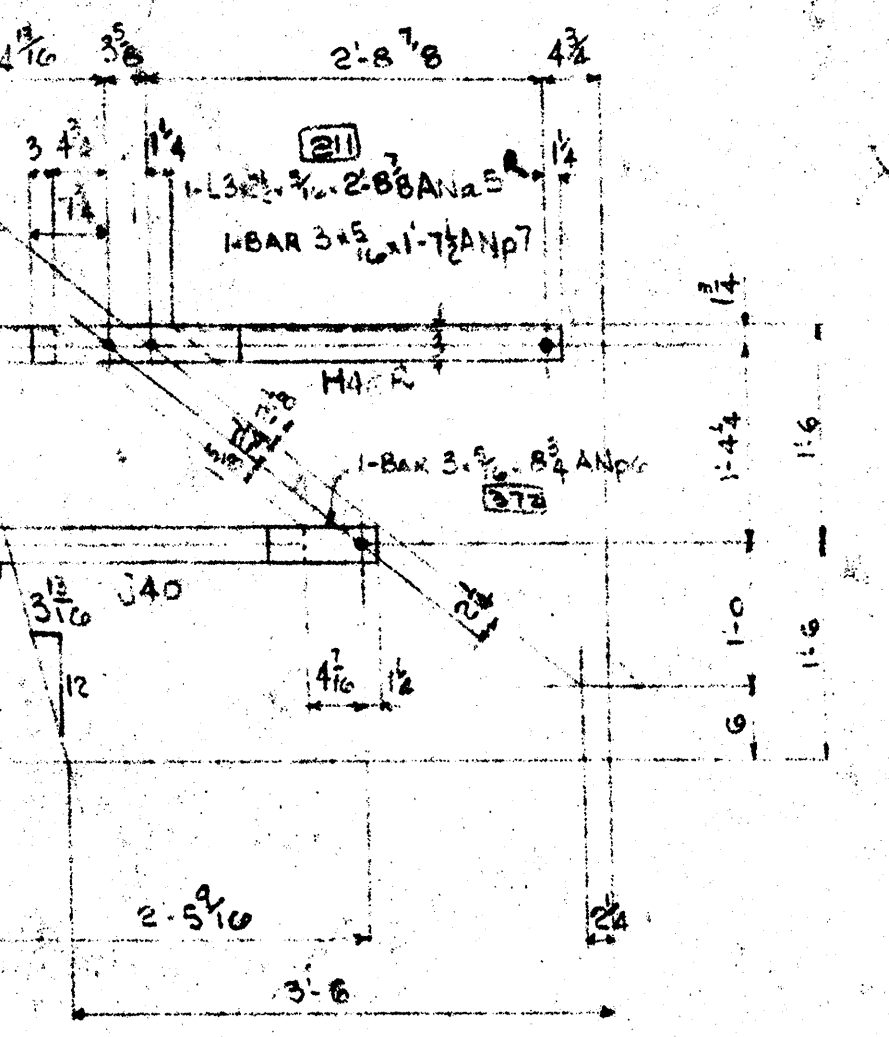
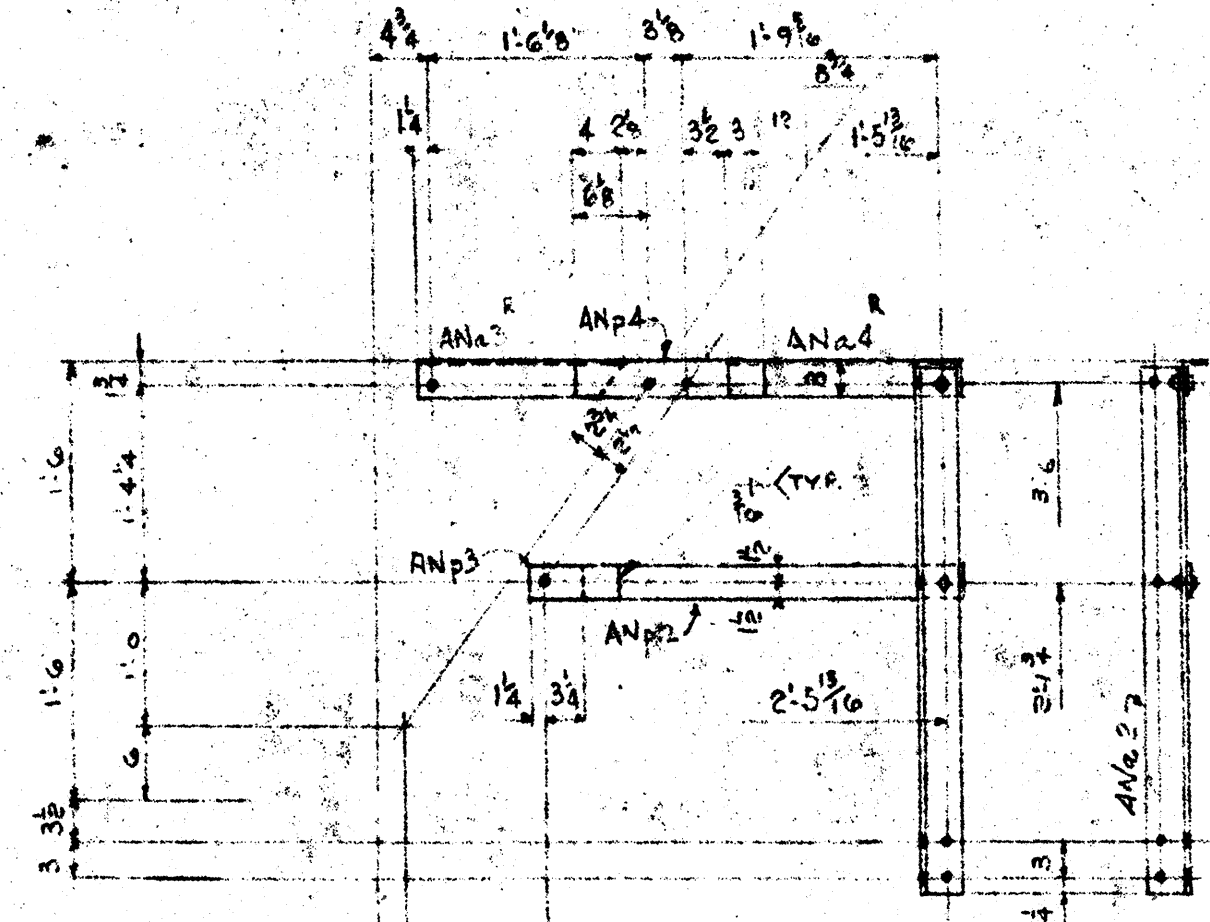
1-HANDRAIL SECTION M40R (RIGHT)
 1-HANDRAIL SECTION M40L (LEFT)



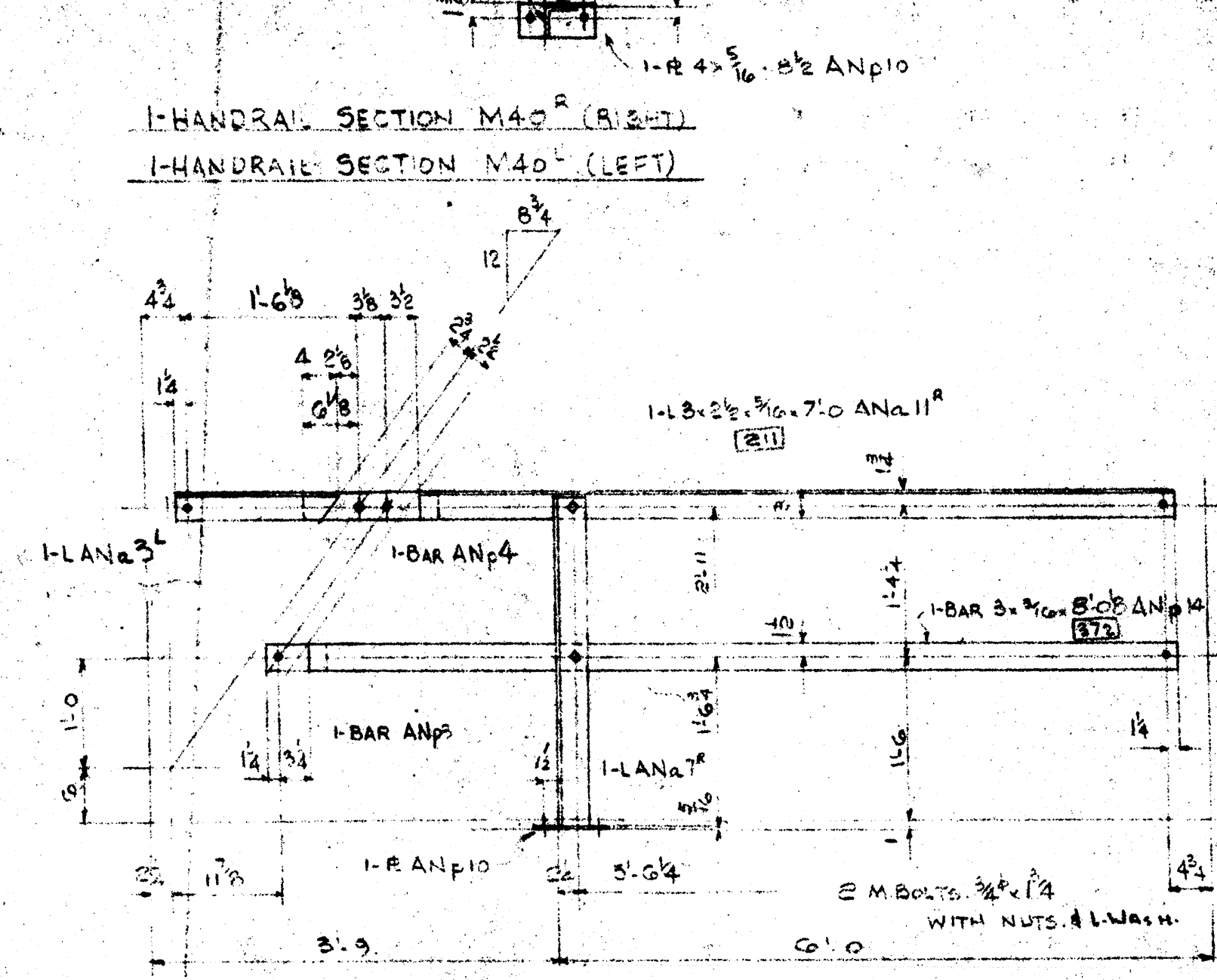
1-ANGLE Y40R (RIGHT)
 1-ANGLE Y40L (LEFT)
 1-HANDRAIL SECTION Z40R (RIGHT)
 1-HANDRAIL SECTION Z40L (LEFT)



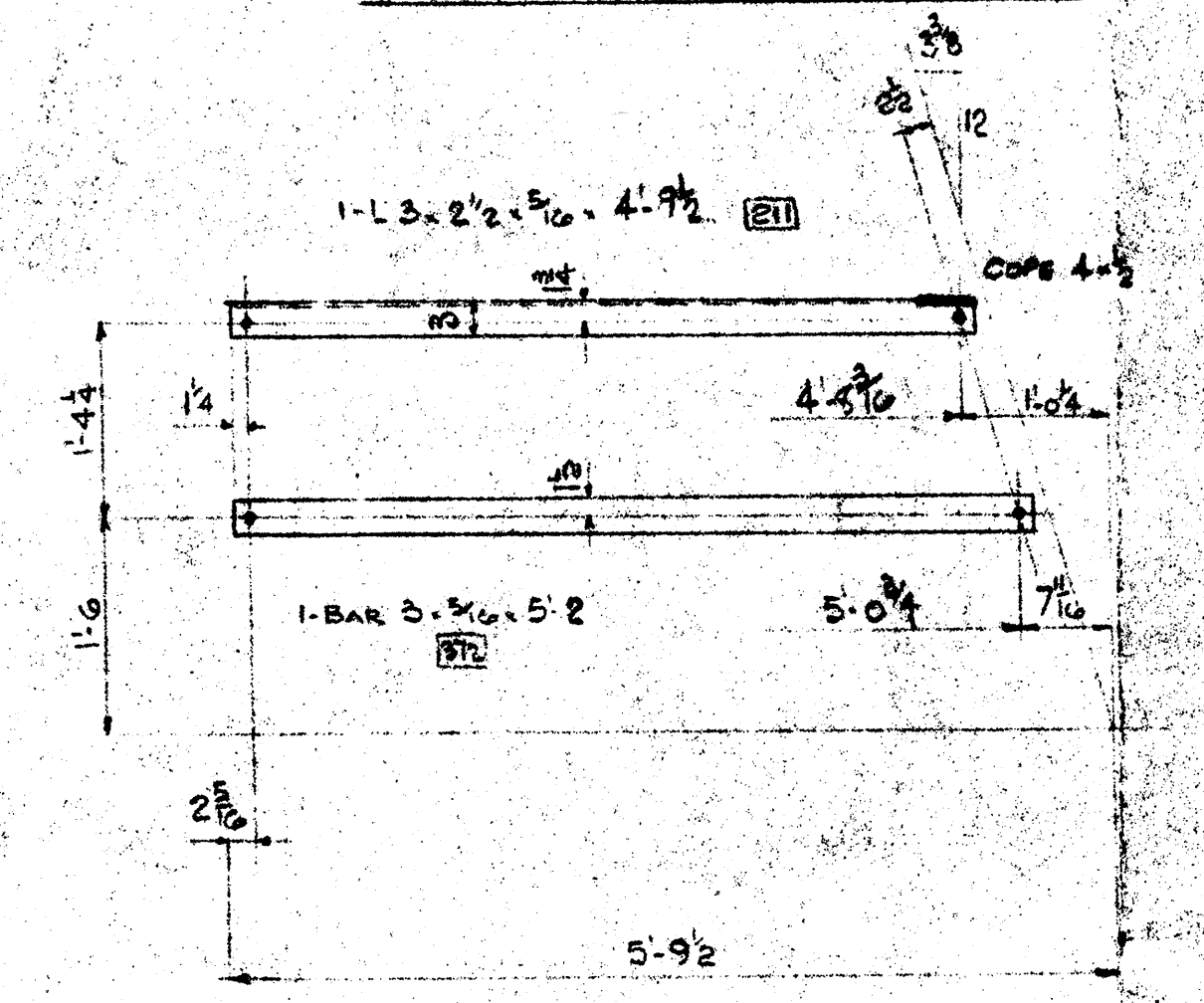
1-ANGLE AE40R (RIGHT)
 1-ANGLE AE40L (LEFT)
 1-BAR AF40R (RIGHT)
 1-BAR AF40L (LEFT)



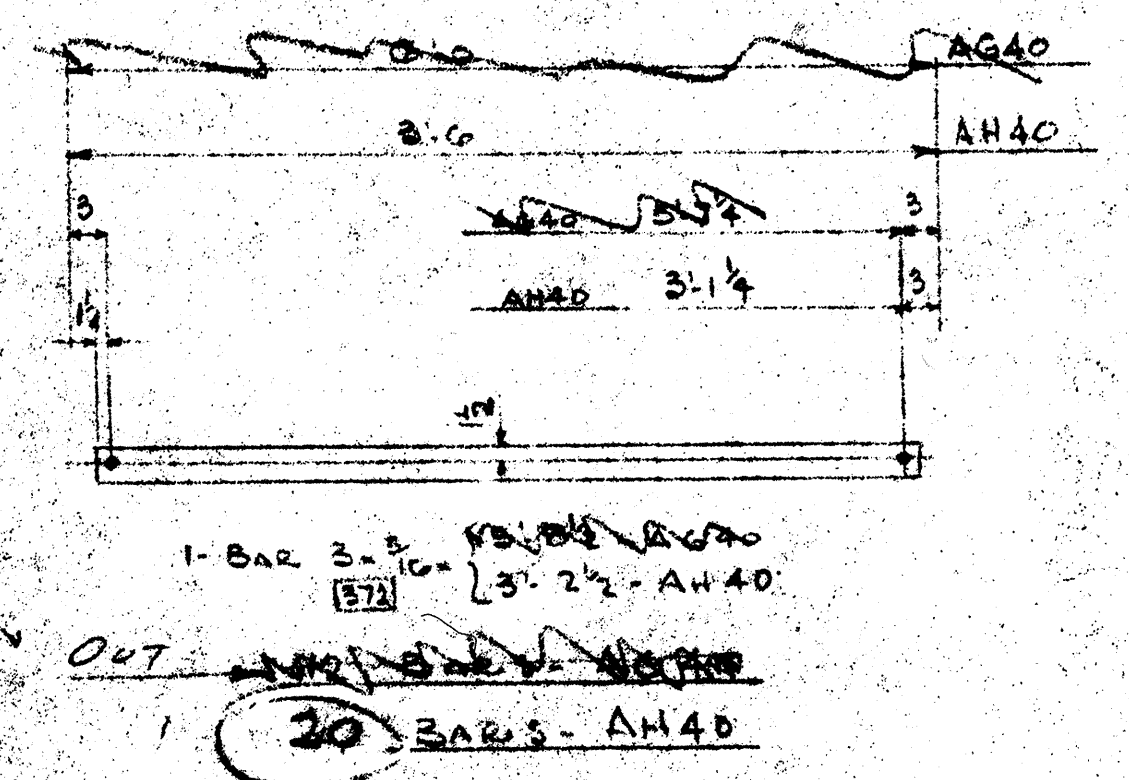
1-HANDRAIL SECTION H40R (RIGHT)
 1-HANDRAIL SECTION H40L (LEFT)
 2-BARS J40



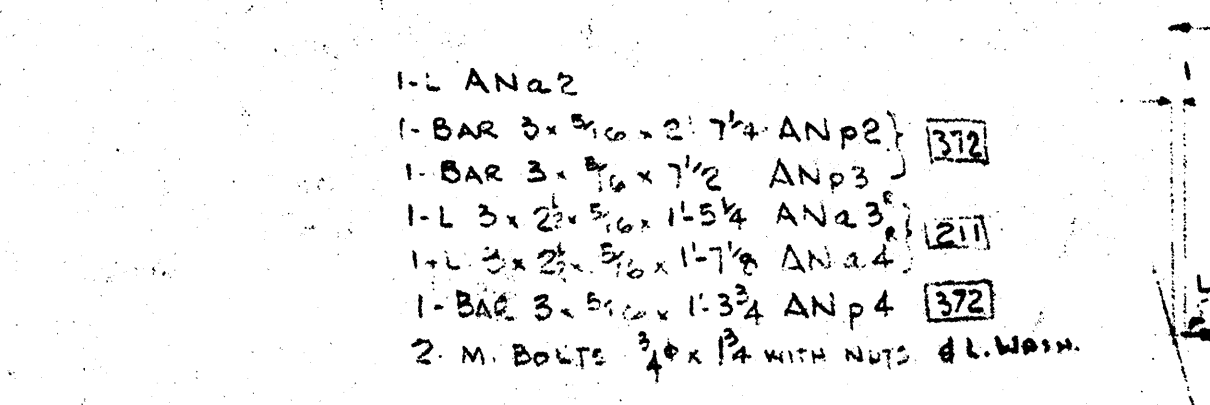
1-HANDRAIL SECTION P40R (RIGHT)
 1-HANDRAIL SECTION P40L (LEFT)



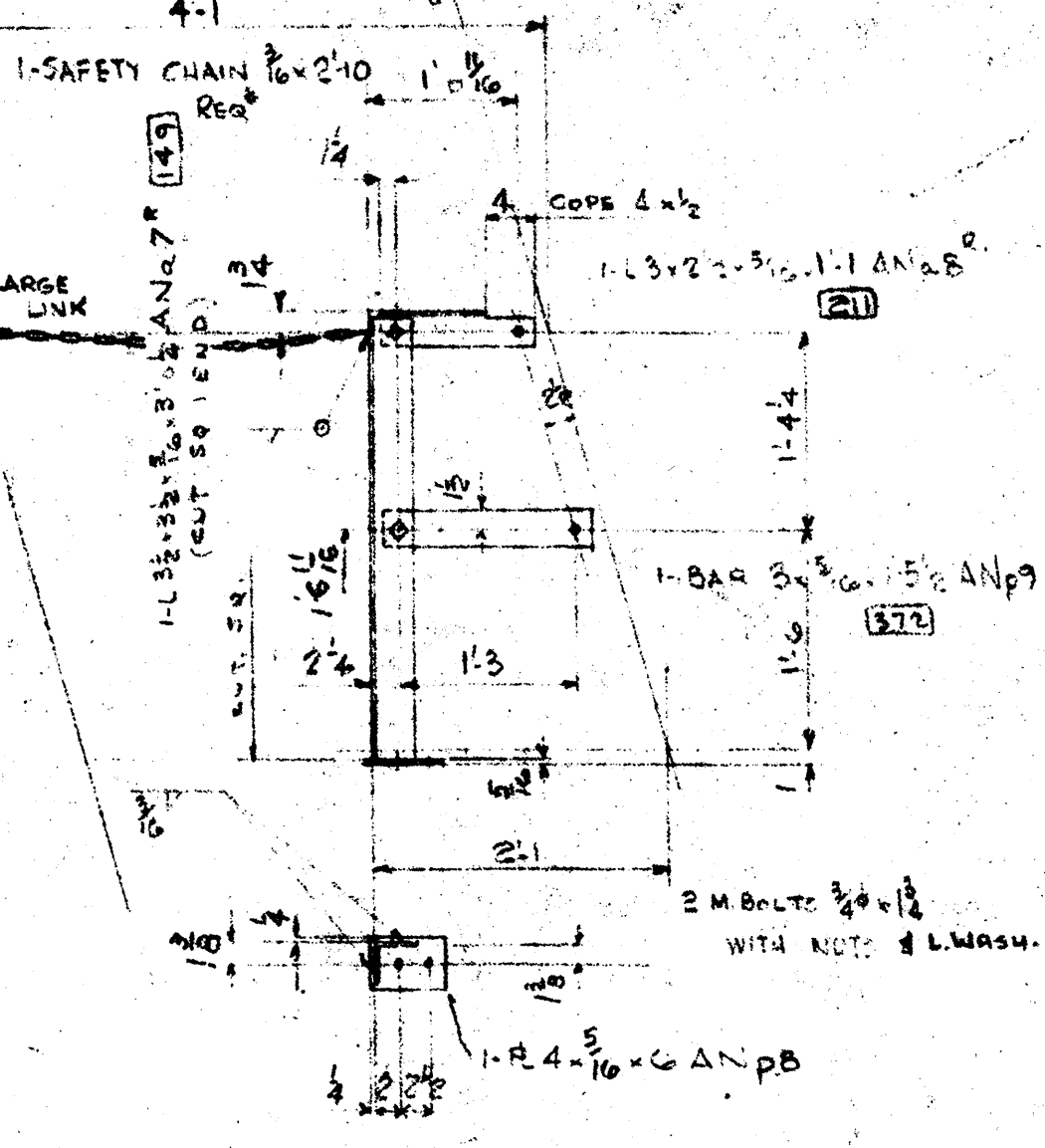
1-ANGLE AA40R (RIGHT)
 1-ANGLE AA40L (LEFT)
 2-BARS AB40



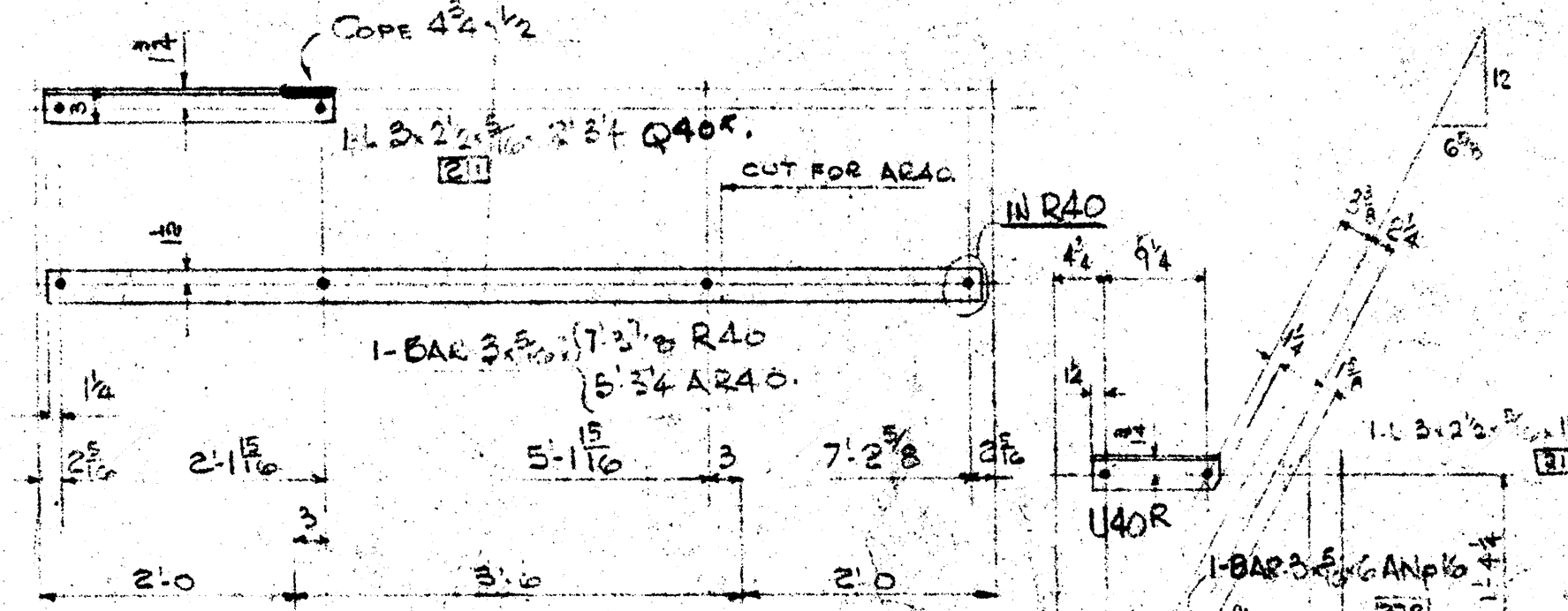
1-BAR 3x5/8 x 3/8 ANP1
 1-BAR 3x5/8 x 3/8 ANP2
 20-BARS AH40



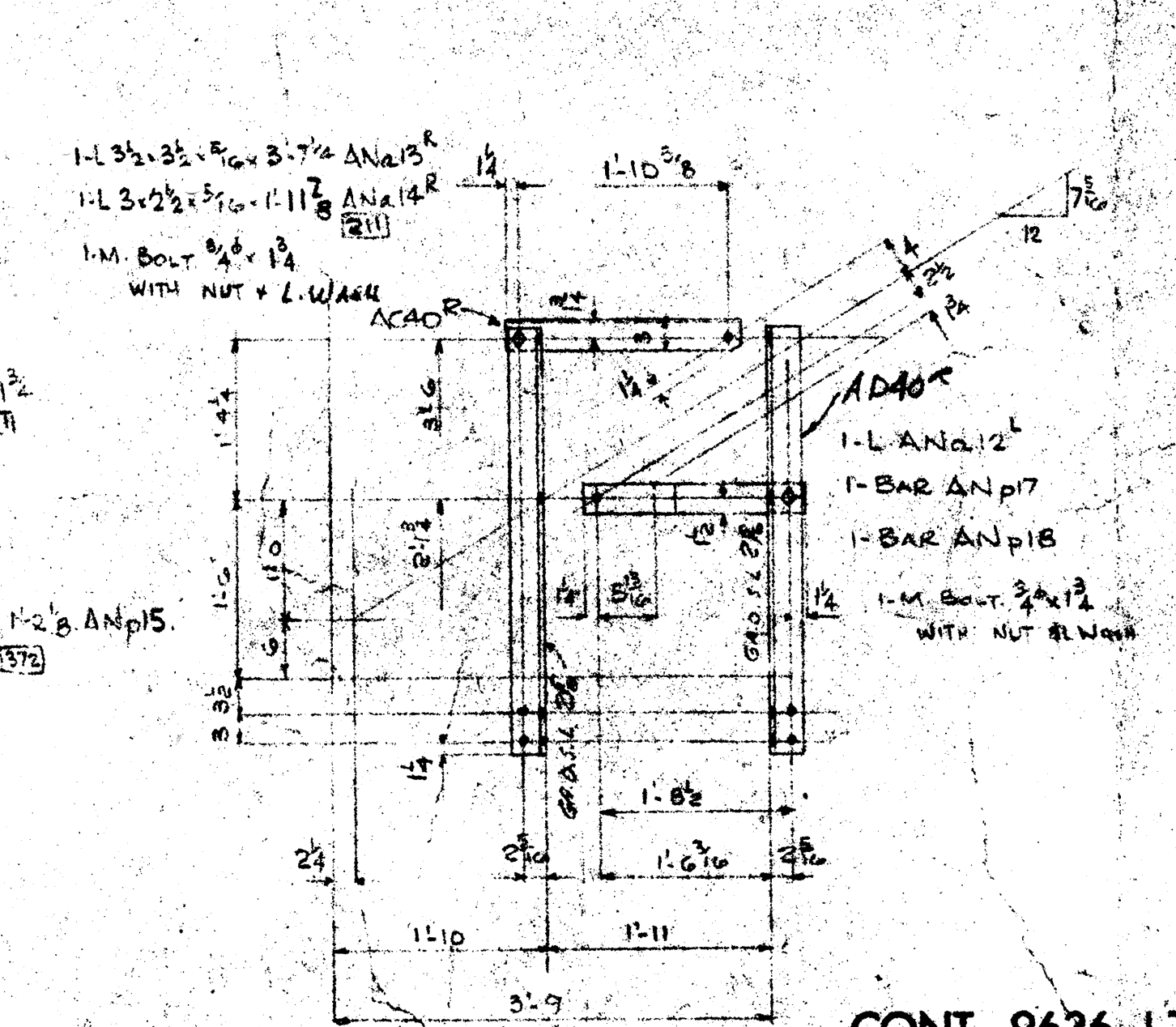
6-HANDRAIL SECTIONS B40R (RIGHT)
 6-HANDRAIL SECTIONS B40L (LEFT)



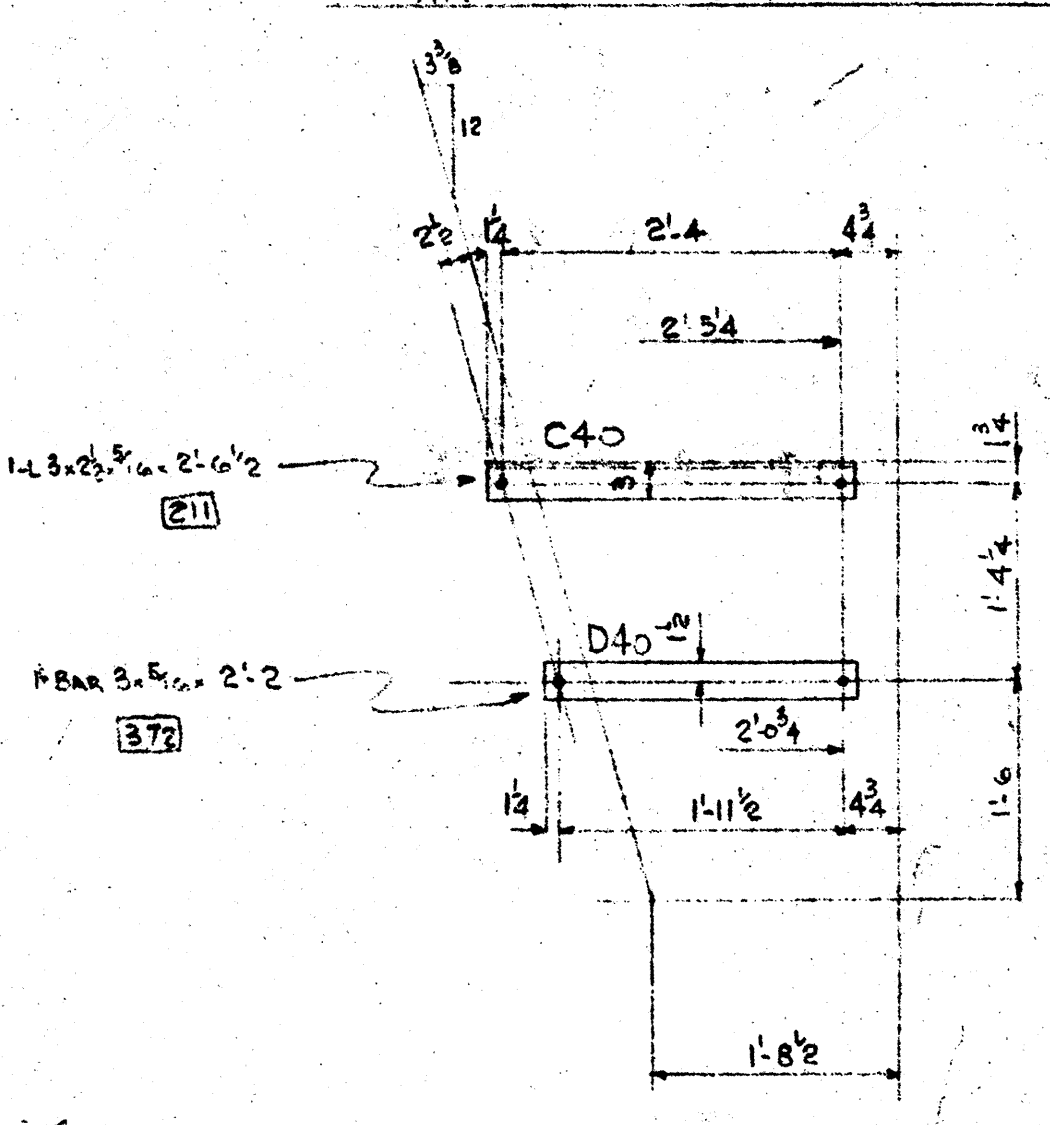
7-HANDRAIL SECTIONS K40R (RIGHT)
 7-HANDRAIL SECTIONS K40L (LEFT)



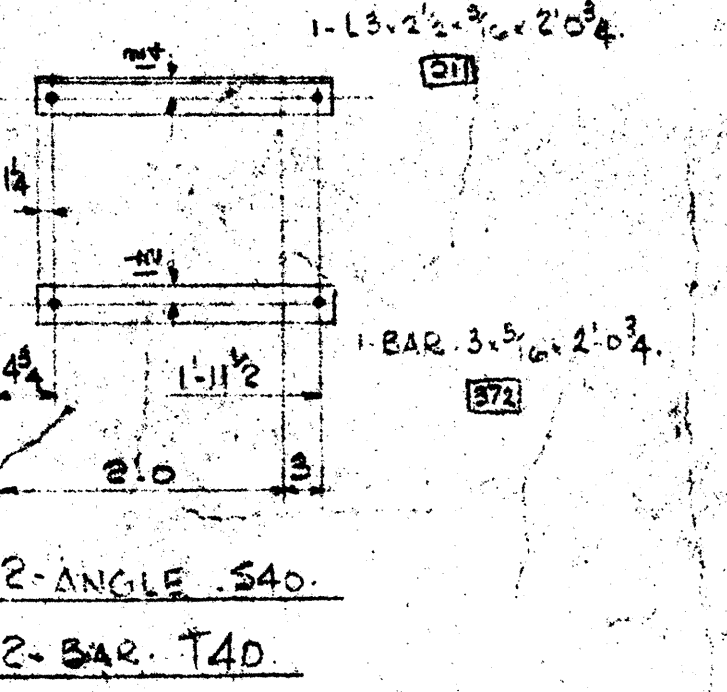
14-BARS R40
 4-BARS AR40
 16-ANGLES Q40R (RIGHT)
 16-ANGLES Q40L (LEFT)



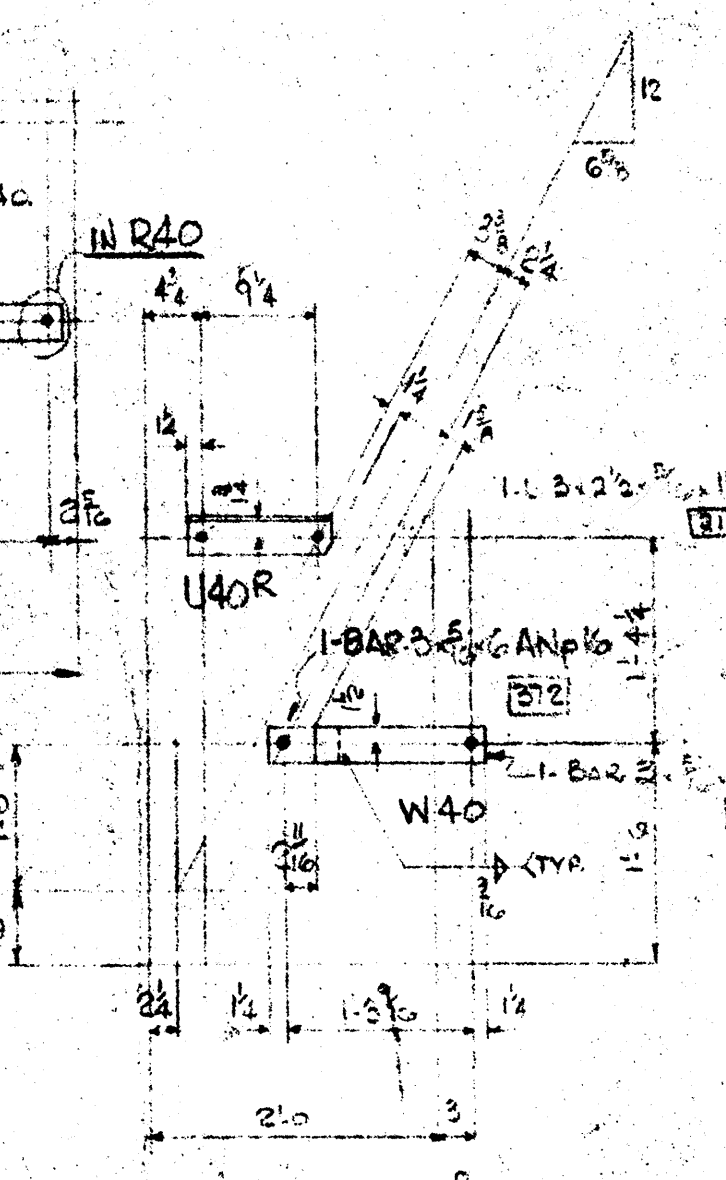
1-HANDRAIL SECTION AC40R (RIGHT)
 1-HANDRAIL SECTION AC40L (LEFT)
 1-HANDRAIL SECTION AD40R (RIGHT)
 1-HANDRAIL SECTION AD40L (LEFT)



8-ANGLES C40
 8-BARS D40



2-ANGLE S40
 2-BAR T40



2-ANGLES U40R (RIGHT)
 2-ANGLES U40L (LEFT)

CONT. 9636-1T

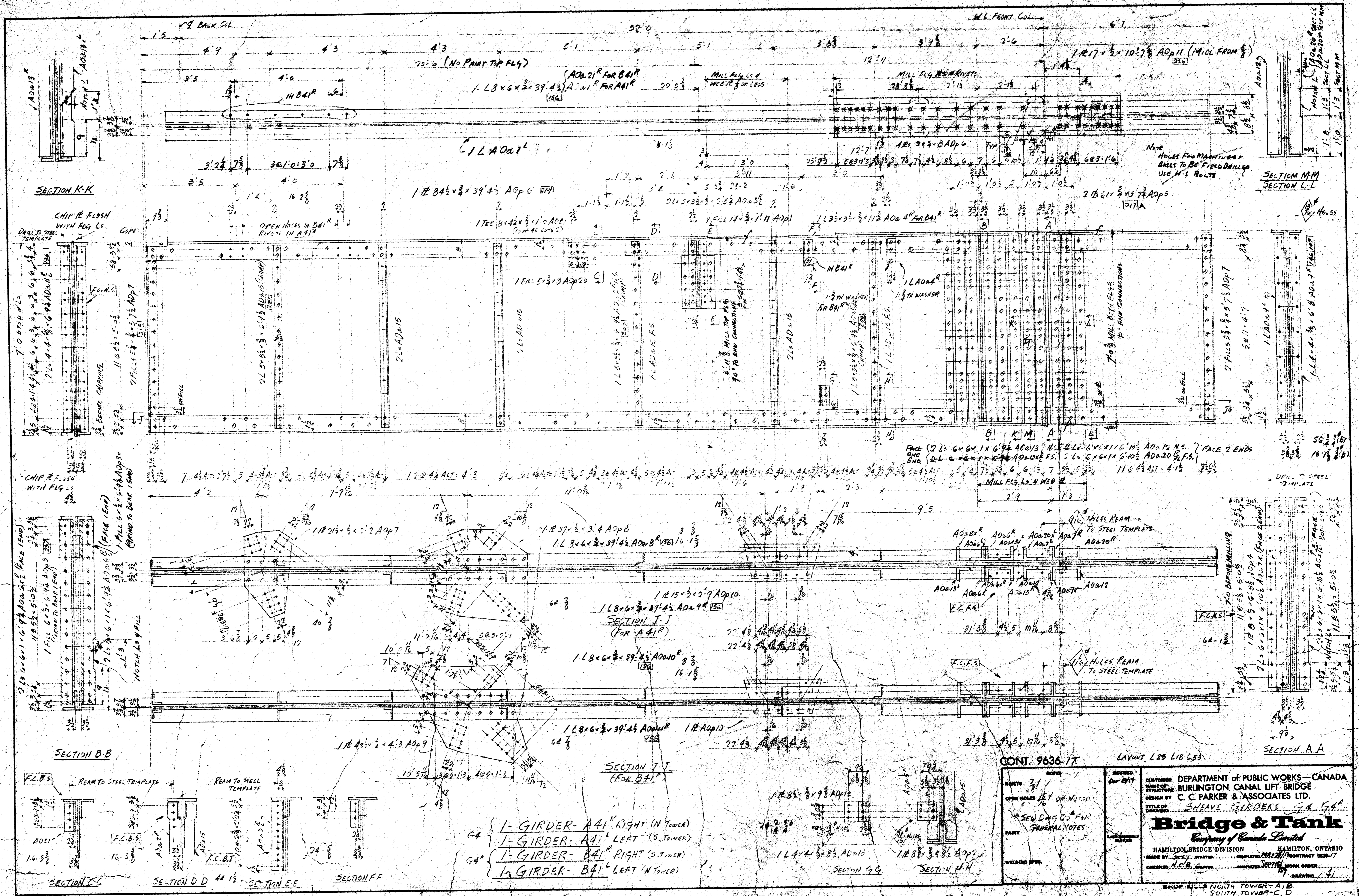
NORTH TOWER		SOUTH TOWER	
MARK	QTY	MARK	QTY
A40R	4	A40L	4
A40L	4	A40R	4
B40R	4	B40L	4
B40L	4	B40R	4
C40R	2	C40L	2
C40L	4	C40R	4
D40R	4	D40L	4
D40L	4	D40R	4
E40R	4	E40L	4
E40L	4	E40R	4
F40R	4	F40L	4
F40L	4	F40R	4
H40R	1	H40L	1
J40R	1	J40L	1
K40R	7	K40L	7
M40R	1	M40L	1
P40R	1	P40L	1
Q40R	7	Q40L	7
Q40L	9	Q40R	9
R40R	7	R40L	17
S40R	1	S40L	1
T40R	1	T40L	1
U40R	2	U40L	2
W40R	2	W40L	2
Y40R	1	Y40L	1
Z40R	1	Z40L	1
AA40R	1	AA40L	1
AA40L	1	AA40R	1
AC40R	1	AC40L	1
AD40R	1	AD40L	1
AE40R	1	AE40L	1
AF40R	1	AF40L	1
AH40R	19	AH40L	19
AR40R	2	AR40L	2

NOTES
 DIMENSIONS IN INCHES
 OPEN HOLES 1/8"
 PAINT SEE DWG 20A
 WELDING SPEC. CSA W47 W59
 NOTE REMOVE ALL SHARP CORNERS FROM RAISE

REVISIONS
 AUG 24/59
 CUSTOMER DEPARTMENT OF PUBLIC WORKS - CANADA
 PROJECT BURLINGTON CANAL LIFT BRIDGE
 DESIGN BY C. C. PARKER & ASSOCIATES LTD.
 TITLE OF DRAWING ELEVATOR TOWER HANDRAIL
Bridge & Tank
 Company of Canada Limited
 HAMILTON BRIDGE DIVISION HAMILTON, ONTARIO
 MADE BY... DRAWN BY... CHECKED BY...
 SHOP BILLS A-B-C-D-E-F

AD 1234 1974 11-13

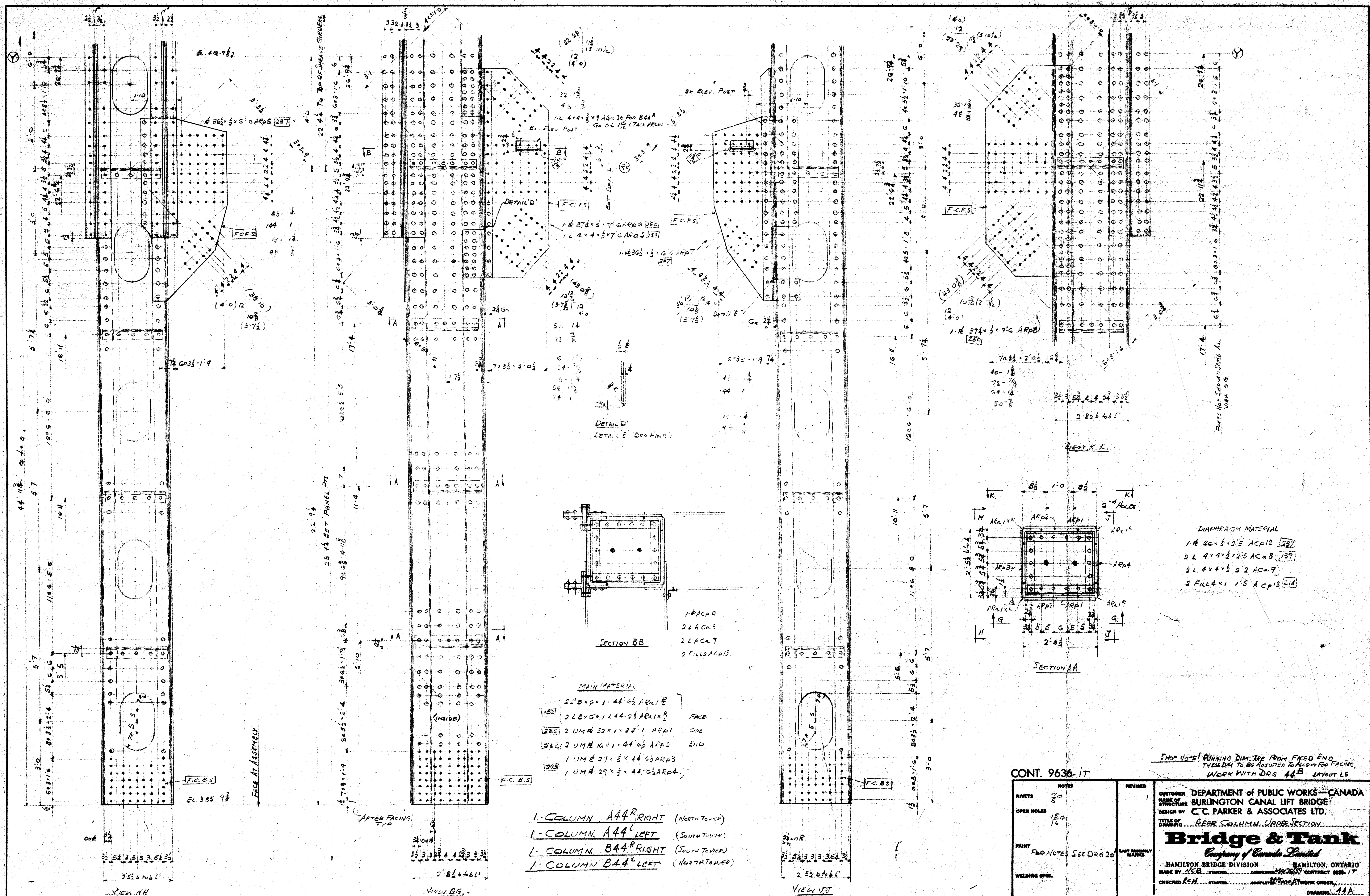
AD 1234 1974 11-13



CONTR. 9636-17		LAYOUT L2B LIB L2B	
REVISED	DATE	CUSTOMER	DEPARTMENT OF PUBLIC WORKS - CANADA
BY		NAME OF STRUCTURE	BURLINGTON CANAL LIFT BRIDGE
DESIGNED BY		DESIGNER	C. C. PARKER & ASSOCIATES LTD.
TITLE OF DRAWING		TITLE OF CONTRACT	SHEAVE GIRDERS
<p>Bridge & Tank</p> <p>Engineering of Canada Limited</p>		<p>HAMILTON BRIDGE DIVISION HAMILTON, ONTARIO</p> <p>MADE BY: STARTED: COMPLETED: CONTRACT NO. 9636-17</p> <p>CHECKED: N.C.B. DRAWN: J.P. WORK ORDER: 41</p>	

- 64 1-GIRDER-A41 RIGHT (N TOWER)
- 64 1-GIRDER-A41 LEFT (S TOWER)
- 64 1-GIRDER-B41 RIGHT (S TOWER)
- 64 1-GIRDER-B41 LEFT (N TOWER)

ENCL SHELL NO. 174 TOWER-A, B, C, D



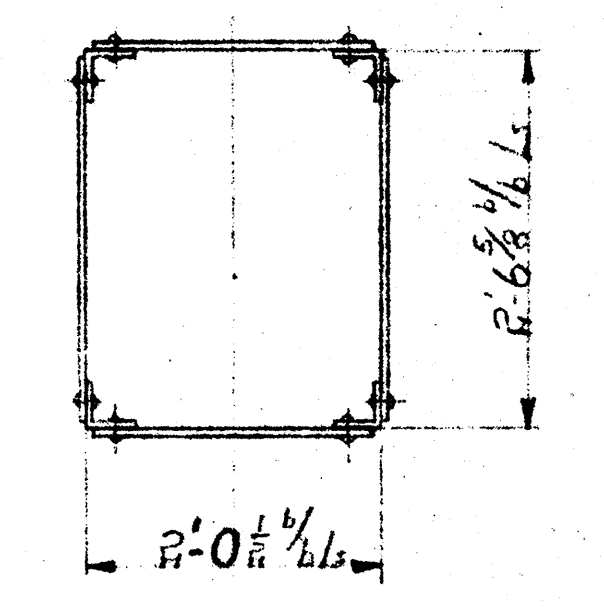
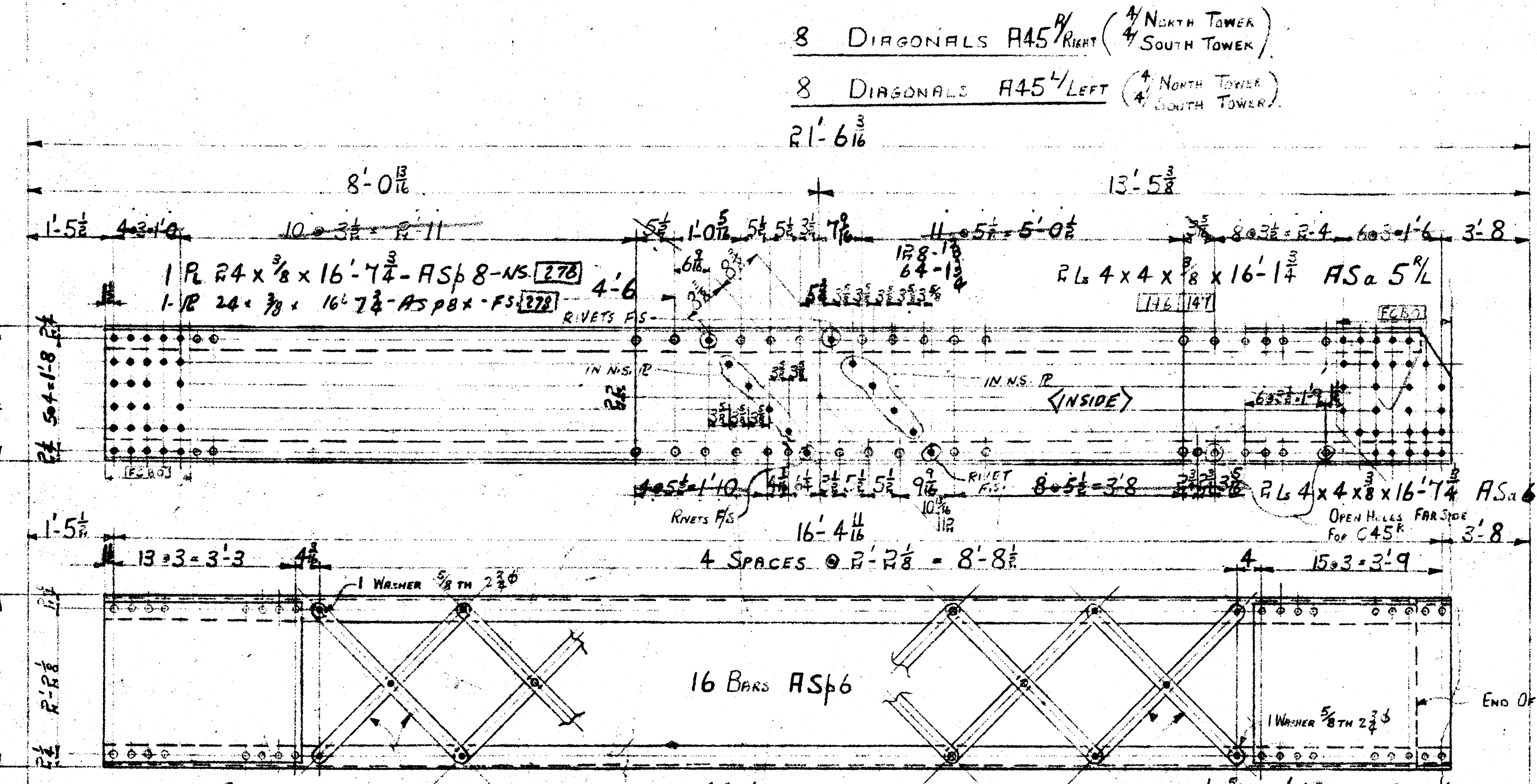
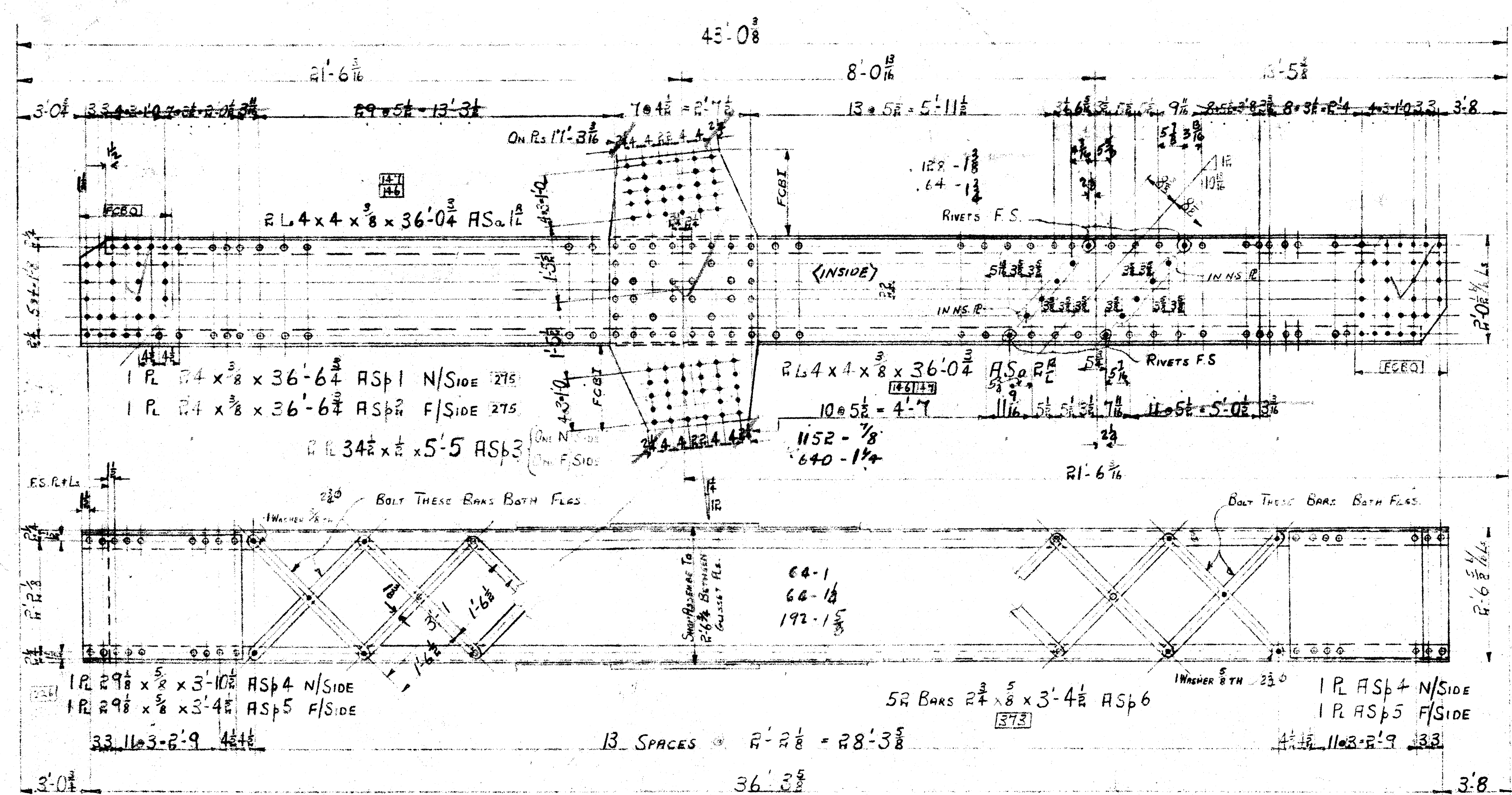
- MAIN MATERIAL**
- 22' x 6" x 1/4" ACP18
 - 2 L 8 x 6" x 1/4" ACP18
 - 2 UMB 32 x 1 x 3/8" ARP1
 - 2 UMB 16 x 1/4" ARP2
 - 1 UMB 29 x 1/4" ARP3
 - 1 UMB 29 x 1/4" ARP4
- FACE**
- ONE**
- END**
1. COLUMN A44^R RIGHT (NORTH TOWER)
1. COLUMN A44^L LEFT (SOUTH TOWER)
1. COLUMN B44^R RIGHT (SOUTH TOWER)
1. COLUMN B44^L LEFT (NORTH TOWER)

- DIAPHRAGM MATERIAL**
- 1/8" 20 x 1/2 x 5" ACP12
 - 2 L 4 x 4 x 1/2 x 5" AC=8
 - 2 L 4 x 4 x 1/2 x 2" AC=9
 - 2 FILL 4 x 1/2 x 5" ACP13

CONT. 9636-17

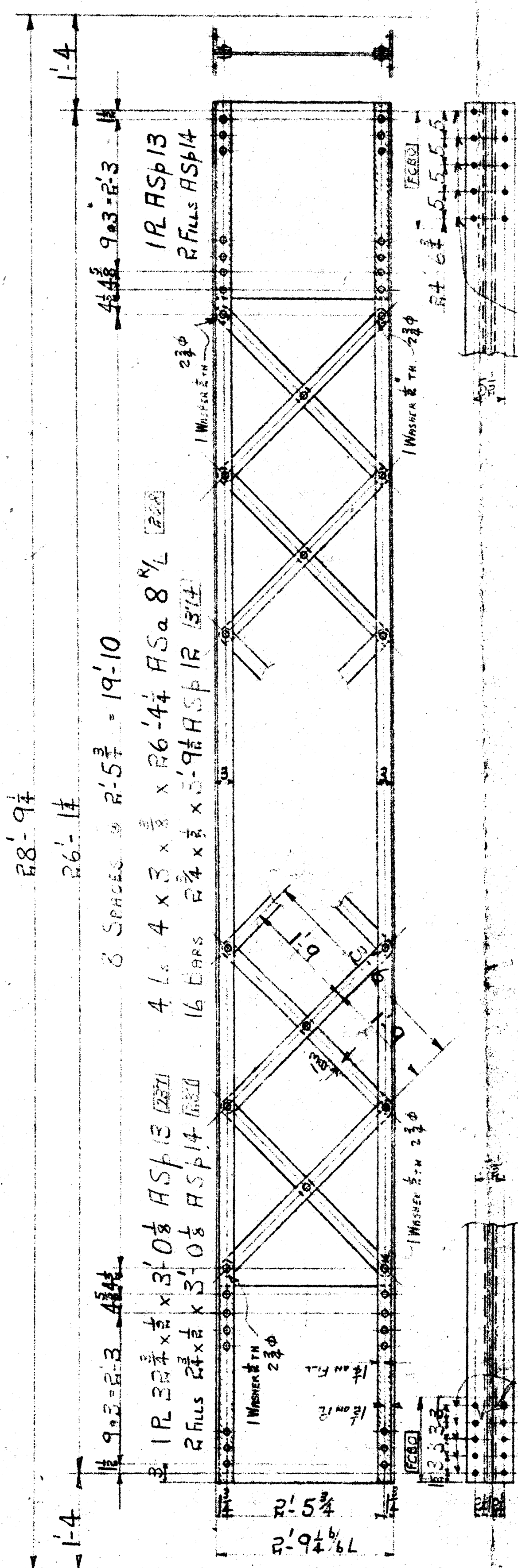
NOTES	REVISIONS	CUSTOMER	DEPARTMENT OF PUBLIC WORKS - CANADA
RIVETS 20		STRUCTURE	BURLINGTON CANAL LIFT BRIDGE
OPEN HOLES 1/8"		DESIGN BY	C.T. PARKER & ASSOCIATES LTD.
PAINT F&O NOTES SEE DRG 20		TITLE OF DRAWING	REAR COLUMN UPPER SECTION
WELDING SPEC.		Bridge & Tank	Company of Canada Limited
		HAMILTON BRIDGE DIVISION	HAMILTON, ONTARIO
		MADE BY A.S.E.	STARTED
		CHECKED P.E.H.	STARTED
			COMPLETED
			WORK ORDER
			DRAWING 11A

SHOP BILLS A, B FOR NORTH TOWER
C, D SOUTH

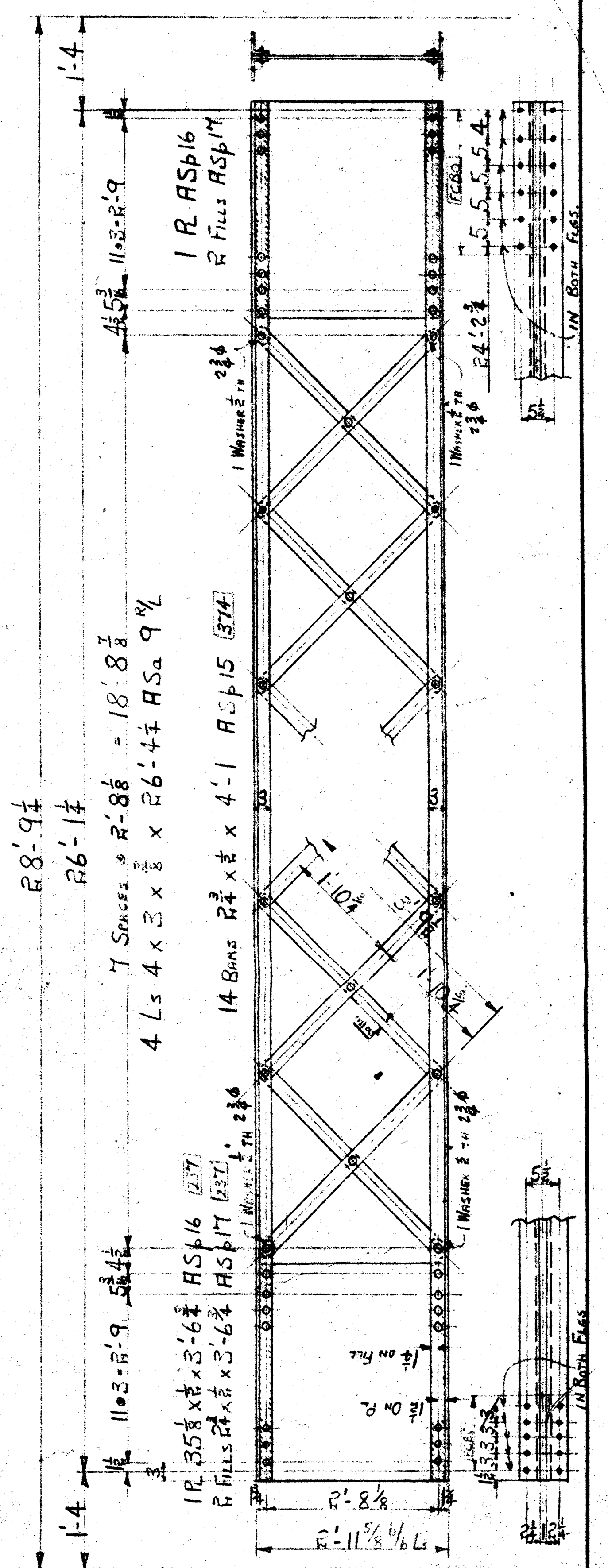


TYPICAL CROSS SECTION FOR A+B45+C45

- 7 DIAGONALS B45^R (NORTH TOWER)
- 7 DIAGONALS B45^L (SOUTH TOWER)
- 1 DIAGONAL C45^R (SOUTH TOWER)
- 1 DIAGONAL C45^L (NORTH TOWER)



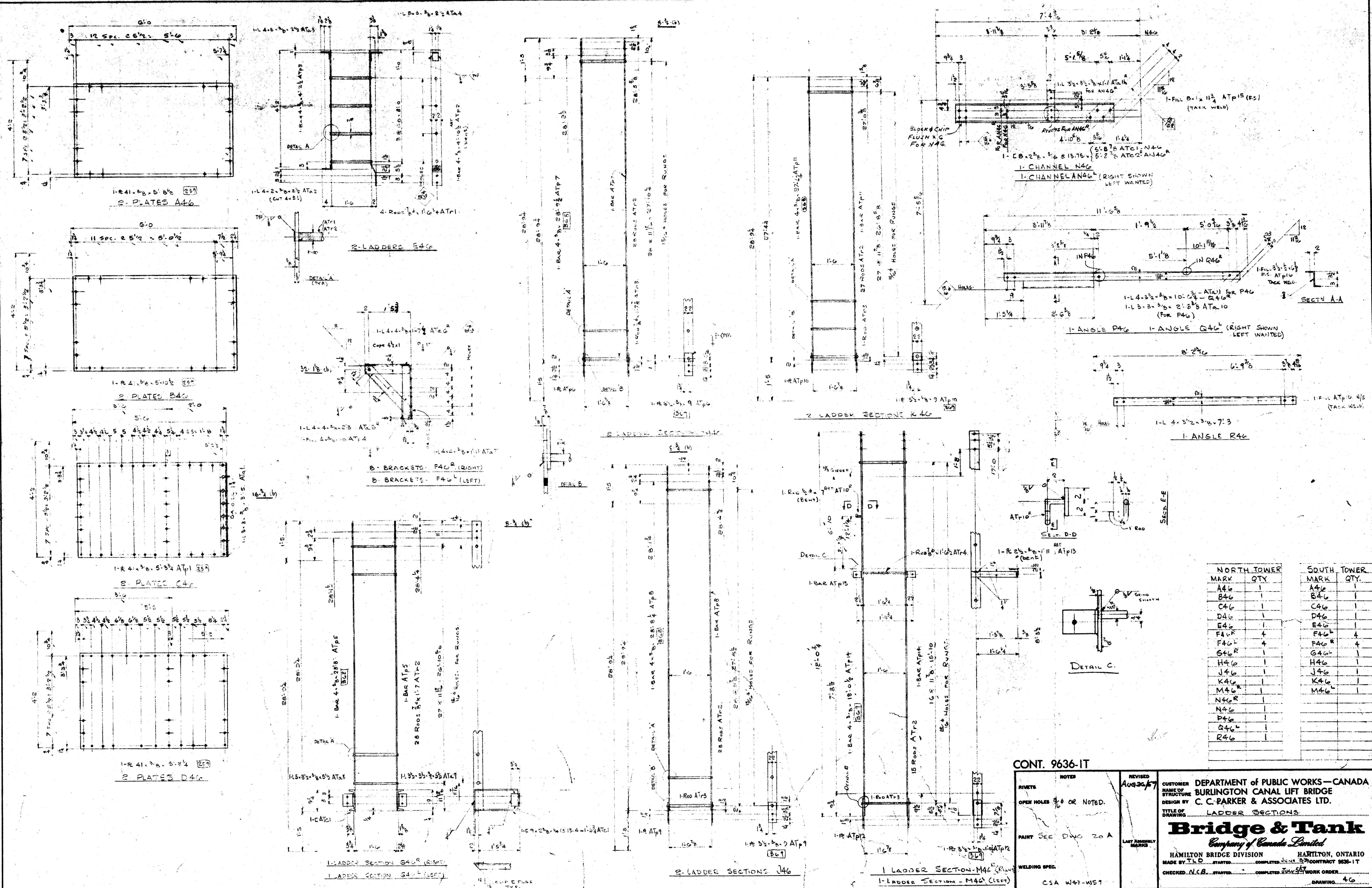
R VERTICAL STRUTS D45 (NORTH TOWER) / (SOUTH TOWER)



R VERTICAL STRUTS E45 (NORTH TOWER) / (SOUTH TOWER)

CONT. 9636-IT

<p>REVISIONS</p> <p>NOTES</p> <p>OPEN HOLES</p> <p>PAINT</p> <p>SEE DWG 204 FOR NOTES</p> <p>WELDING SPED.</p>	<p>REVISIONS</p> <p>DATE 12/19</p> <p>CUSTOMER</p> <p>DEPARTMENT of PUBLIC WORKS—CANADA</p> <p>NAME OF STRUCTURE</p> <p>BURLINGTON CANAL LIFT BRIDGE</p> <p>DESIGN BY</p> <p>C. C. PARKER & ASSOCIATES LTD.</p> <p>TITLE OF DRAWING</p> <p>DIAGONALS & STRUTS</p> <p>Bridge & Tank</p> <p>Company of Canada Limited</p> <p>HAMILTON BRIDGE DIVISION HAMILTON, ONTARIO</p> <p>MADE BY J.B. STARTED 1.4.53 COMPLETED 2.6.53 CONTRACT 9636-IT</p> <p>CHECKED J.R. STARTED 1.12.53 COMPLETED 1.12.53 WORK ORDER</p> <p>SHOP BILLS</p> <p>DRAWING 45</p>
----------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------



NORTH TOWER		SOUTH TOWER	
MARK	QTY.	MARK	QTY.
A46	1	A46	1
B46	1	B46	1
C46	1	C46	1
D46	1	D46	1
E46	1	E46	1
F46	4	F46	4
G46	4	G46	4
H46	1	H46	1
J46	1	J46	1
K46	1	K46	1
M46	1	M46	1
N46	1		
P46	1		
Q46	1		
R46	1		

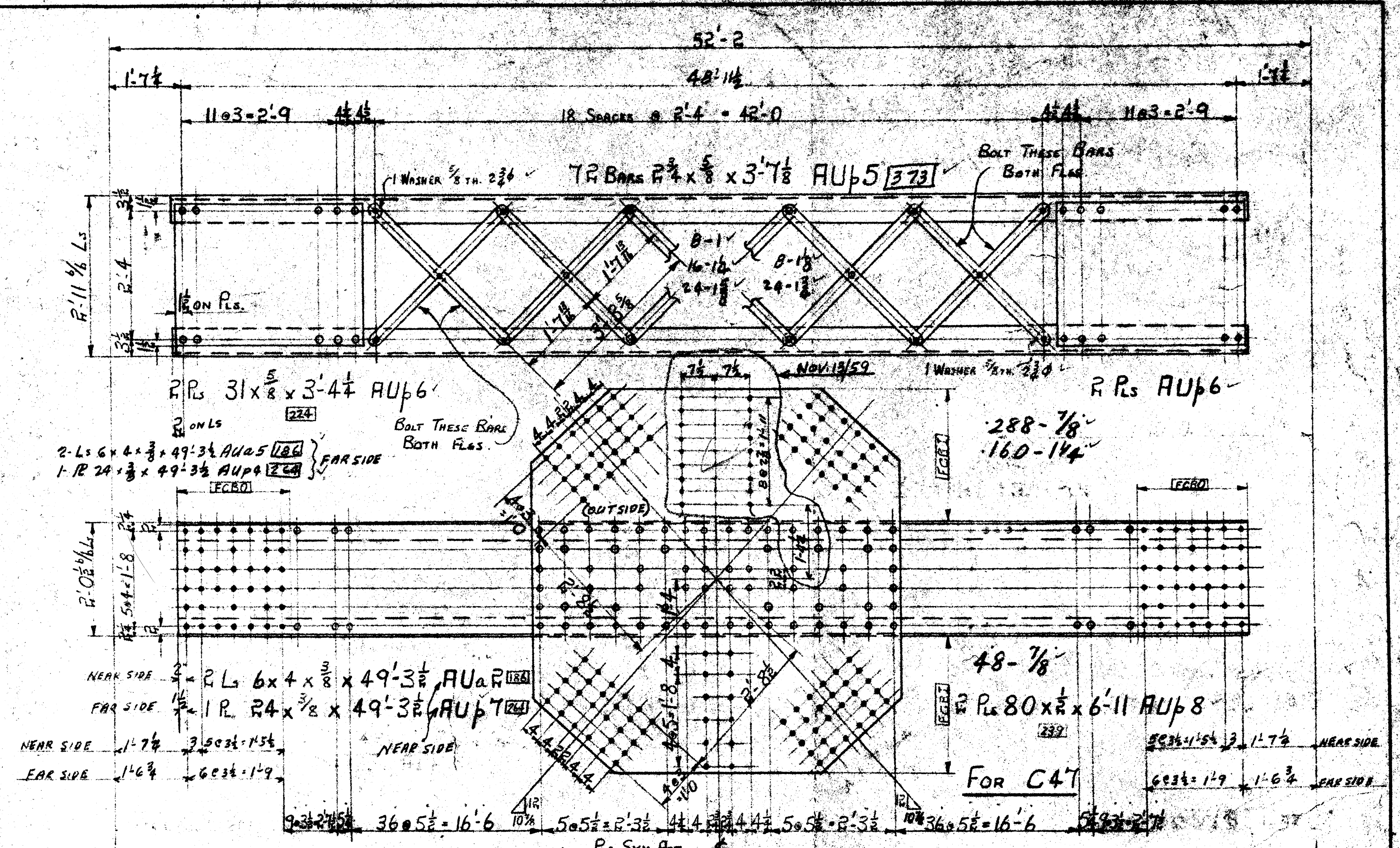
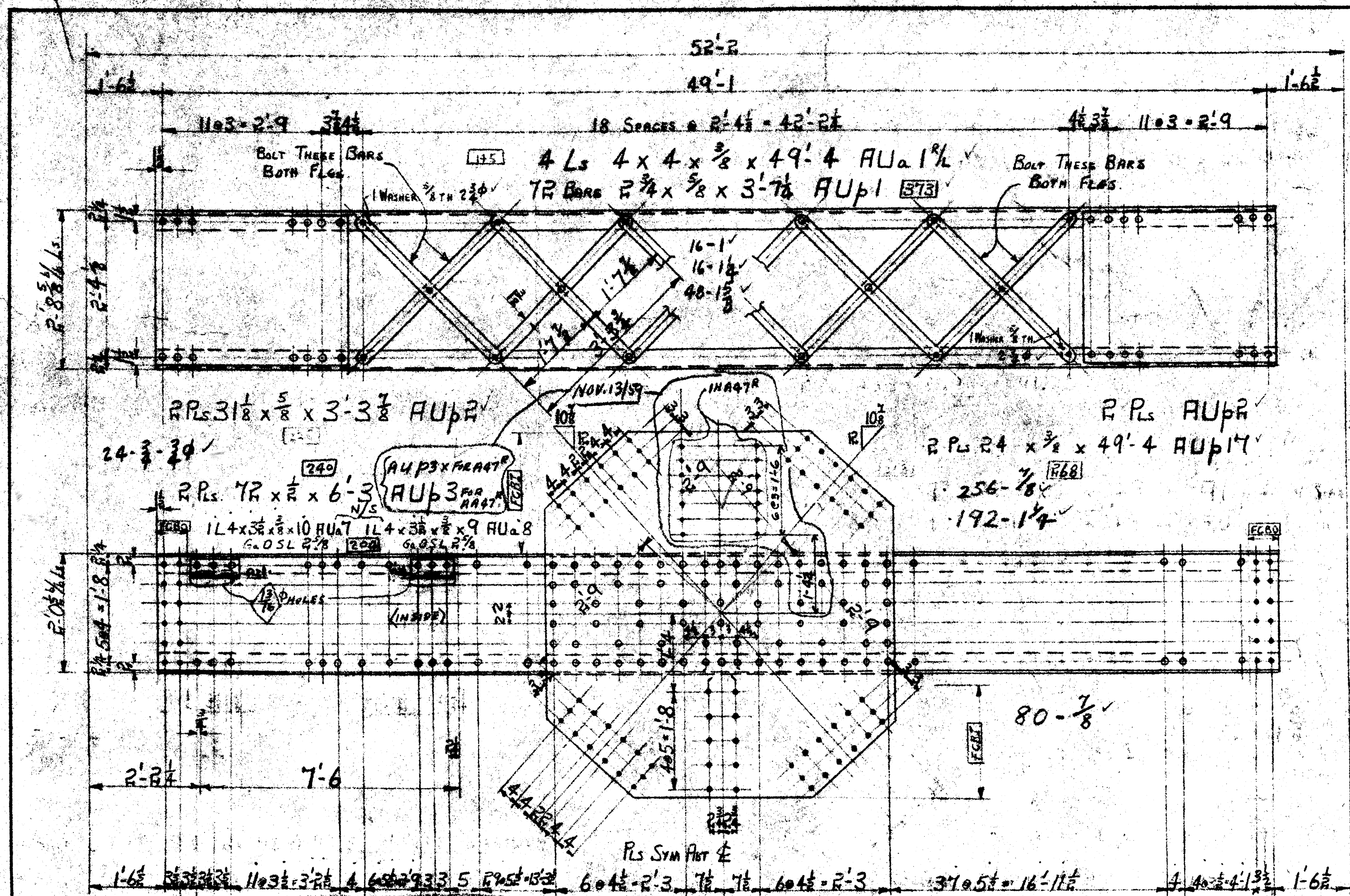
CONT. 9636-IT

REVISIONS	NOTES
1. 10/20/67	
2. 11/15/67	

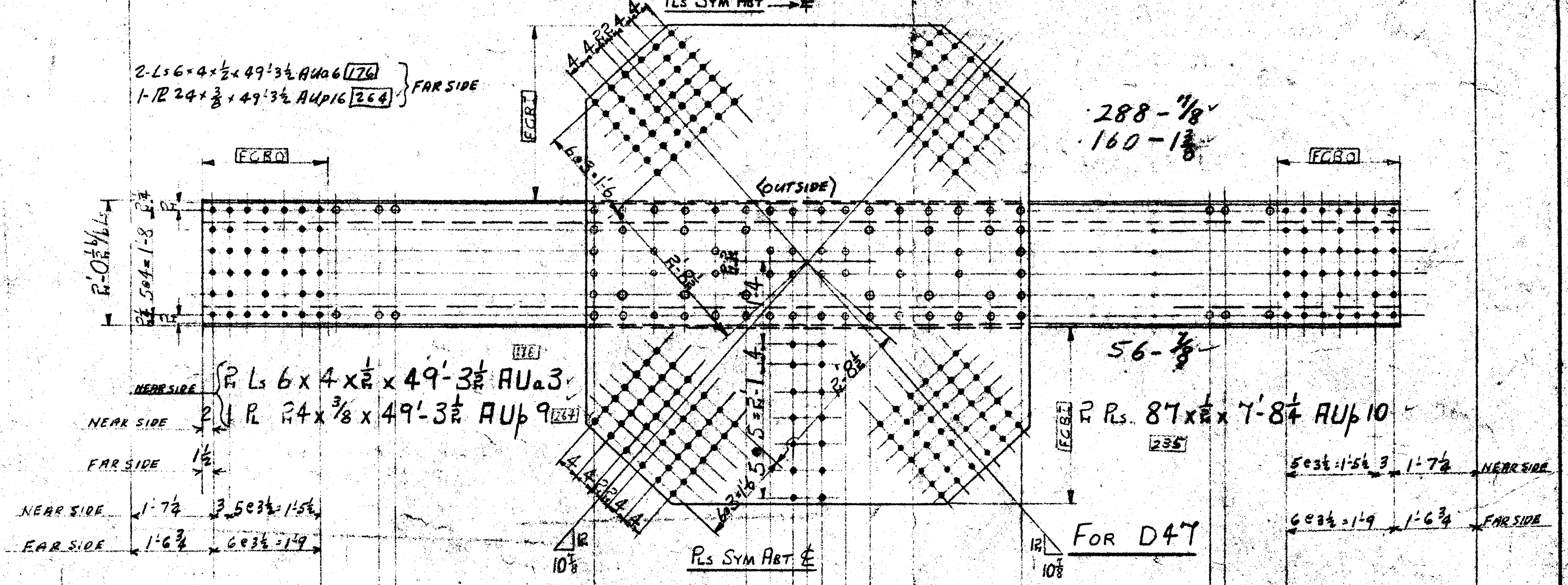
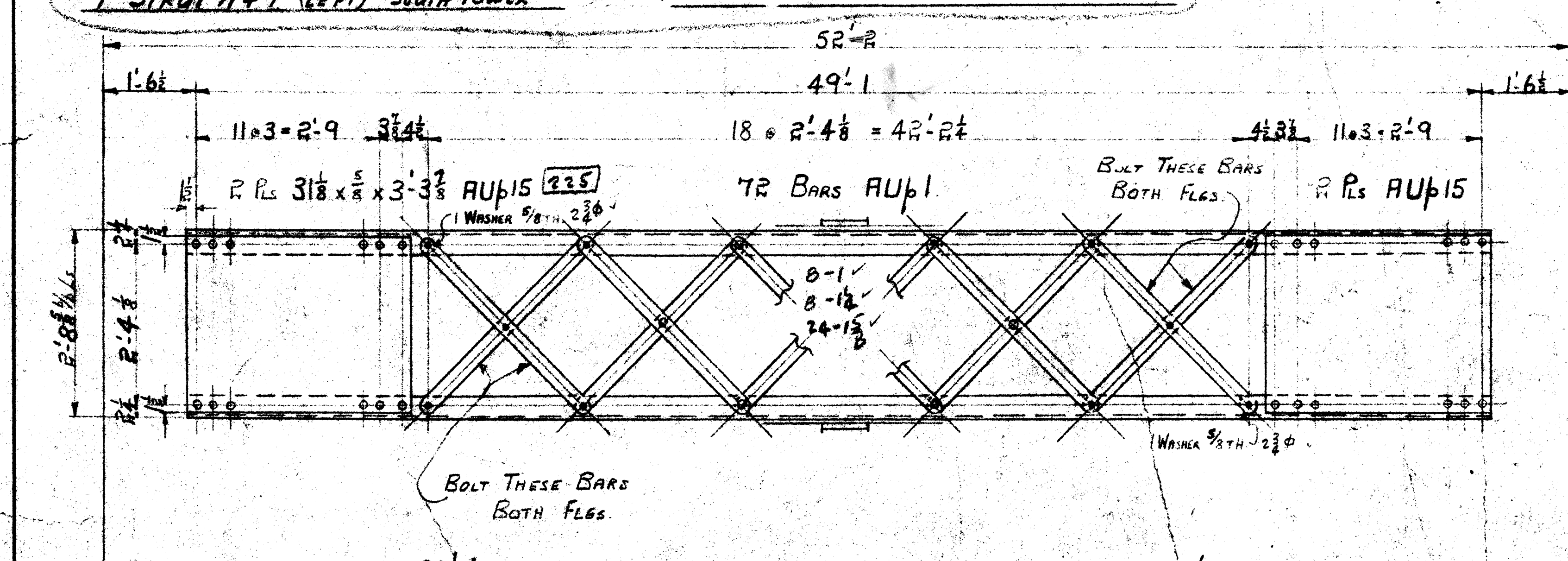
CUSTOMER: DEPARTMENT OF PUBLIC WORKS—CANADA
 NAME OF STRUCTURE: BURLINGTON CANAL LIFT BRIDGE
 DESIGN BY: C. C. PARKER & ASSOCIATES LTD.
 TITLE OF DRAWING: LADDER SECTIONS

Bridge & Tank
 Company of Canada Limited

HAMILTON BRIDGE DIVISION HAMILTON, ONTARIO
 MADE BY T.E.D. STARTED... COMPLETED... CONTRACT 9636-IT
 CHECKED: N.G.R. STARTED... COMPLETED... WORK ORDER...
 C.S.A. W47-W57 DRAWING: 46



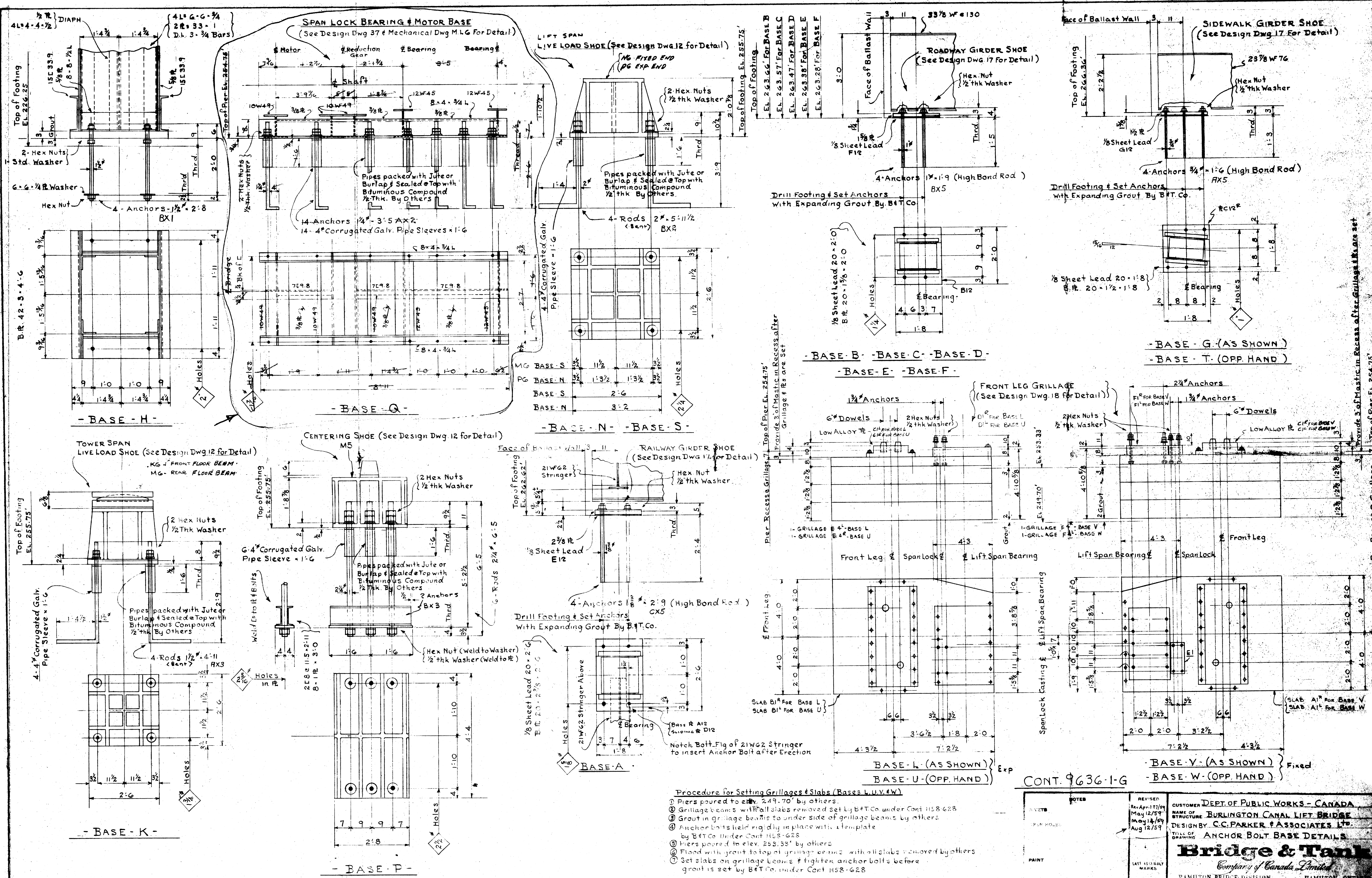
1- STRUT A47^R (RIGHT) NORTH TOWER
 1- STRUT A47^L (LEFT) SOUTH TOWER
 1- STRUT AA47^R (RIGHT) (NORTH TOWER)
 1- STRUT AA47^L (LEFT) (SOUTH TOWER)
 NOV. 13/59



R STRUTS C47 (NORTH TOWER)
 R STRUTS D47 (SOUTH TOWER)

CONT. 9636-1T		NOTES	REVISED	CUSTOMER
RIVETS 7/8"		UNLESS NOTED	AUG 28/59	DEPARTMENT OF PUBLIC WORKS - CANADA
OPEN HOLES 1 1/2"			NOV 13/59	BURLINGTON CANAL LIFT BRIDGE
PAINT				DESIGN BY C. C. PARKER & ASSOCIATES LTD.
SEE DWG 20 ^R FOR NOTES				TITLE OF DRAWING STRUTS
WELDING SPEC.				Bridge & Tank
				Company of Canada Limited
				HAMILTON BRIDGE DIVISION HAMILTON, ONTARIO
				MADE BY... STARTED... COMPLETED... CONTRACT 9636-1T
				CALCULATED BY... DRAWING 47

SHOP BILLS NORTH TOWER - A
 SOUTH TOWER - B
 OFFICE

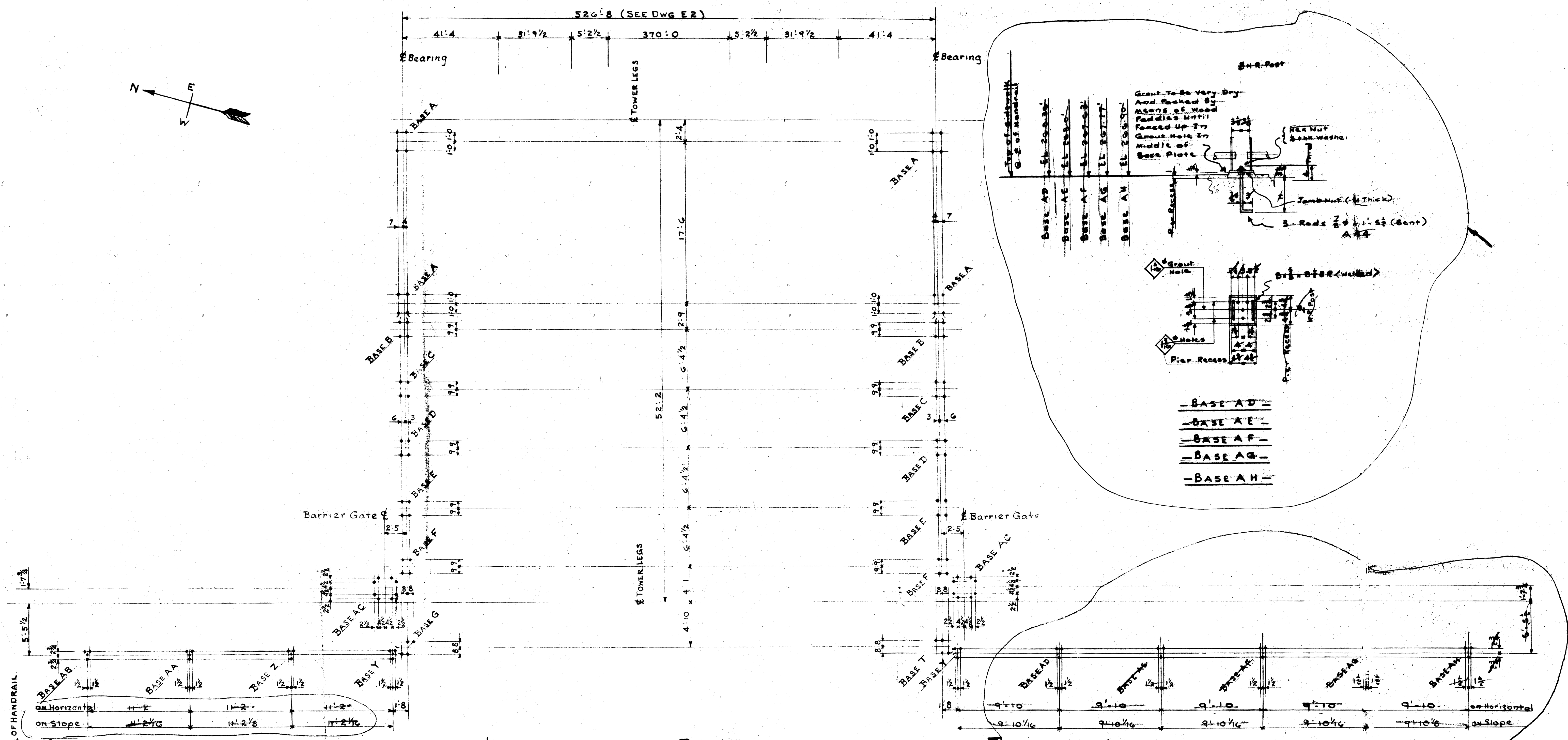
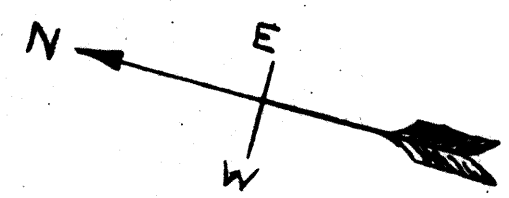


- Procedure for Setting Grillage & Slabs (Bases L, U, V, W)**
- 1 Piers poured to elev. 249.70' by others.
 - 2 Grillage beams with full slabs removed set by B&T Co. under Cont. H58-628.
 - 3 Grout in grille beams to under side of grille beams by others.
 - 4 Anchor bolts held rigidly in place with a template by B&T Co. under Cont. H58-628.
 - 5 Piers poured to elev. 253.33' by others.
 - 6 Flood with grout to top of girder beams with all slabs removed by others.
 - 7 Set slabs on grille beams & tighten anchor bolts before grout is set by B&T Co. under Cont. H58-628.

NO.	REVISION	DATE	BY	CHKD.
1	REVISED	Apr. 17/59		
2		May 12/59		
3		May 14/59		
4		Aug 12/59		

CUSTOMER: DEPT. OF PUBLIC WORKS - CANADA
 NAME OF STRUCTURE: BURLINGTON CANAL LIFT BRIDGE
 DESIGN BY: C.C. PARKER & ASSOCIATES LTD.
 TITLE OF DRAWING: ANCHOR BOLT BASE DETAILS
Bridge & Tank
 Company of Canada Limited
 HAMILTON BRIDGE DIVISION HAMILTON, ONT.
 MADE BY: J.A.W. MAR. 12/59
 CHECKED: T.S. APR. 17/59
 COMPLETED: APR. 17/59

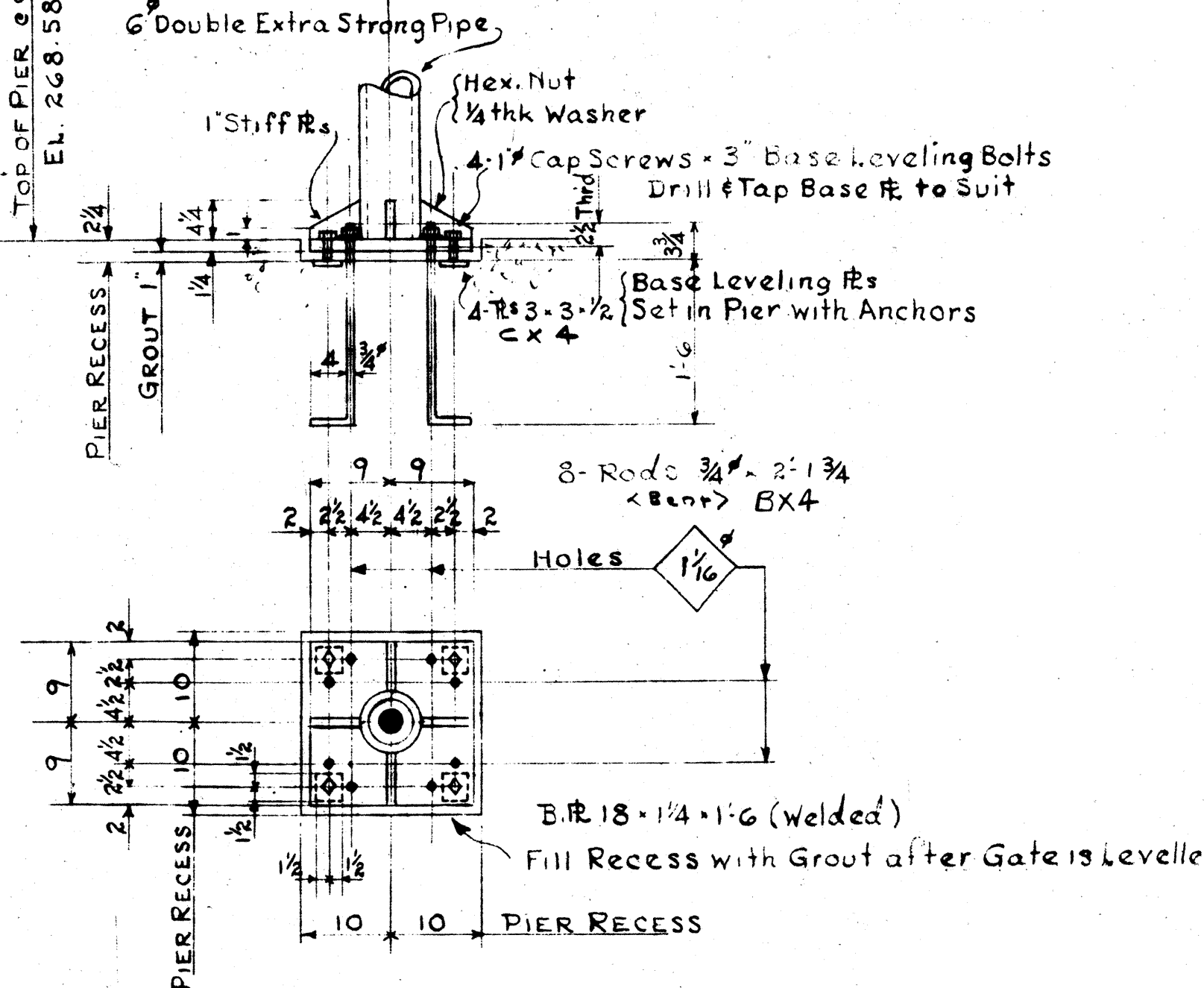
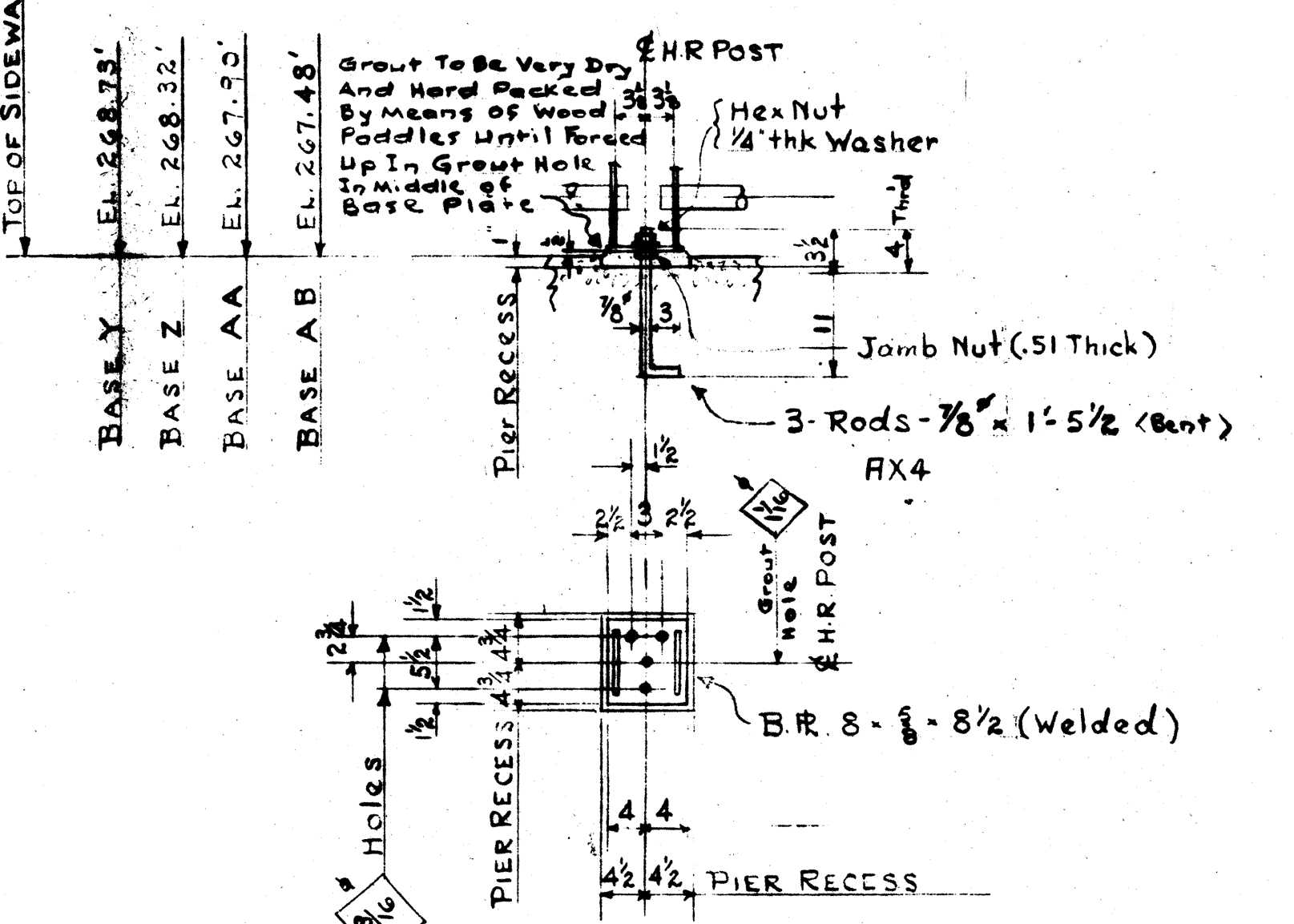
NOTE: Work in this drawing done by B&T Co.



NORTH ABUTMENT

- ANCHOR BOLT PLAN -

SOUTH ABUTMENT



- BASE - Y -
- BASE - Z -
- BASE - AA -
- BASE - AB -

- BASE - AC -

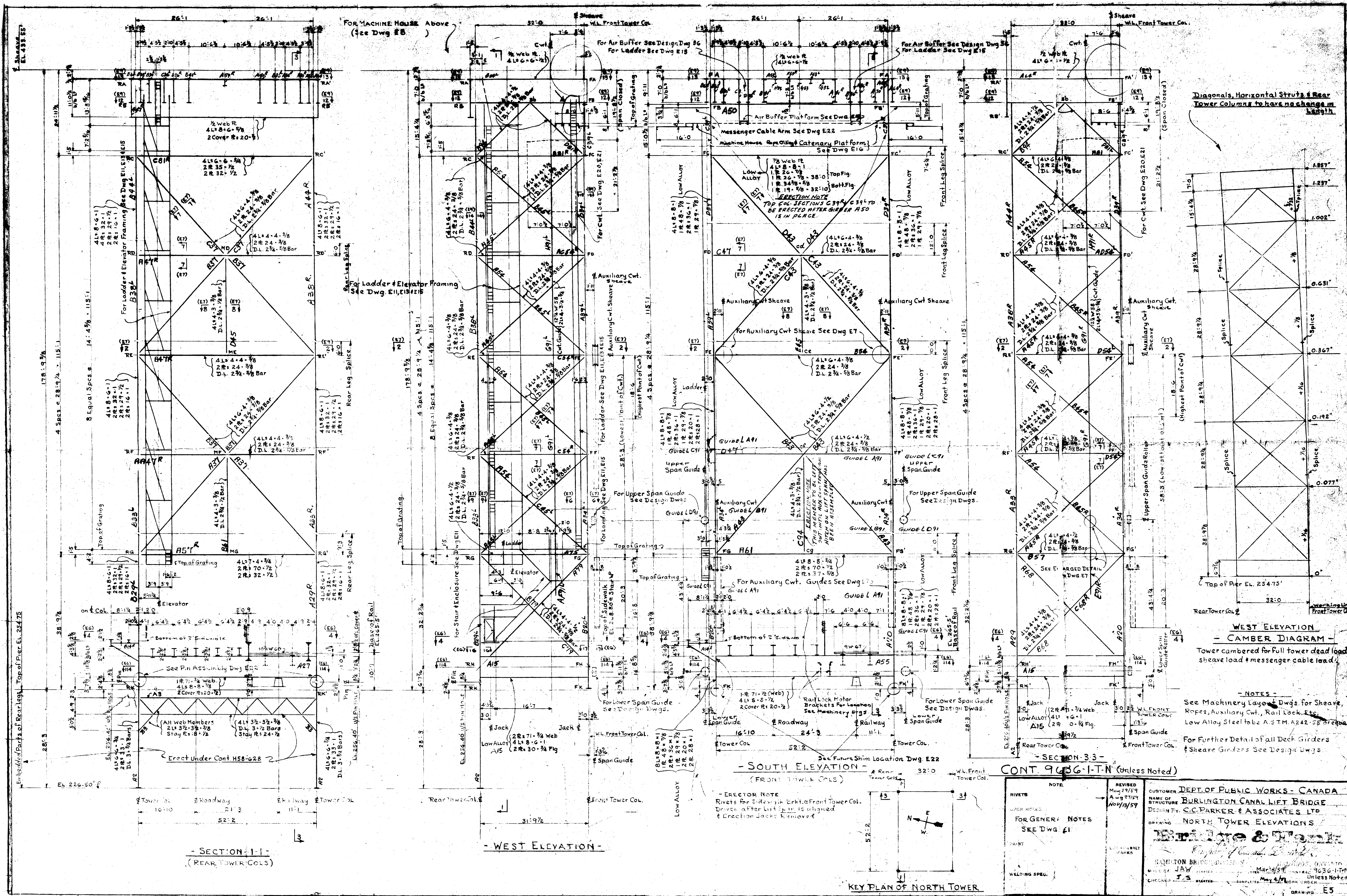
NOTE:-
Work this Dwg with Dwg E2 & E3

CONT. 9636-1-G

NOTES		REVISIONS	CUSTOMER
RIVETS		REVISED	DEPT. OF PUBLIC WORKS - CANADA
DREN HOLES		Revised	NAME OF STRUCTURE
		May 12/59	BURLINGTON CANAL LIFT BRIDGE
		May 14/59	DESIGN BY
		June 4/59	C.C. PARKER & ASSOCIATES LTD
		Aug 19/59	TITLE OF DRAWING
			ANCHOR BOLT PLAN
			Bridge & Tank
			Company of Canada Limited
			DIVISION BRIDGE DIVISION HAMILTON, ONTARIO
			JAW (STARTED) COMPLETED
			March 19/58
			9636-1-G
			WORK ORDER
			DRAWING E4

AL

5



Diagonals, Horizontal Struts & Rear Tower Columns to have no change in length.

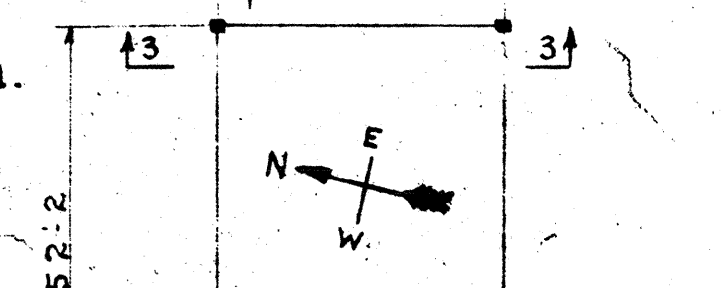
WEST ELEVATION
- CAMBER DIAGRAM -
Tower cambered for full tower dead load, sheave load & messenger cable load.

- NOTES -
See Machinery Layout Dwg. for Sheave, Ropes, Auxiliary Cwt., Rail Lock, Etc.
Low Alloy Steel to be A.S.T.M. A242-58 or equal.
For Further Detail of all Deck Girders & Sheave Girders See Design Dwg.

- SOUTH ELEVATION -
(FRONT TOWER COLS)

SECTION 3-3
CONT. 9636-1-T-N (Unless Noted)

- ERECTOR NOTE
Rivets for Sidewalk Erect Front Tower Col. Driven after lift is in place & erection jacks removed.

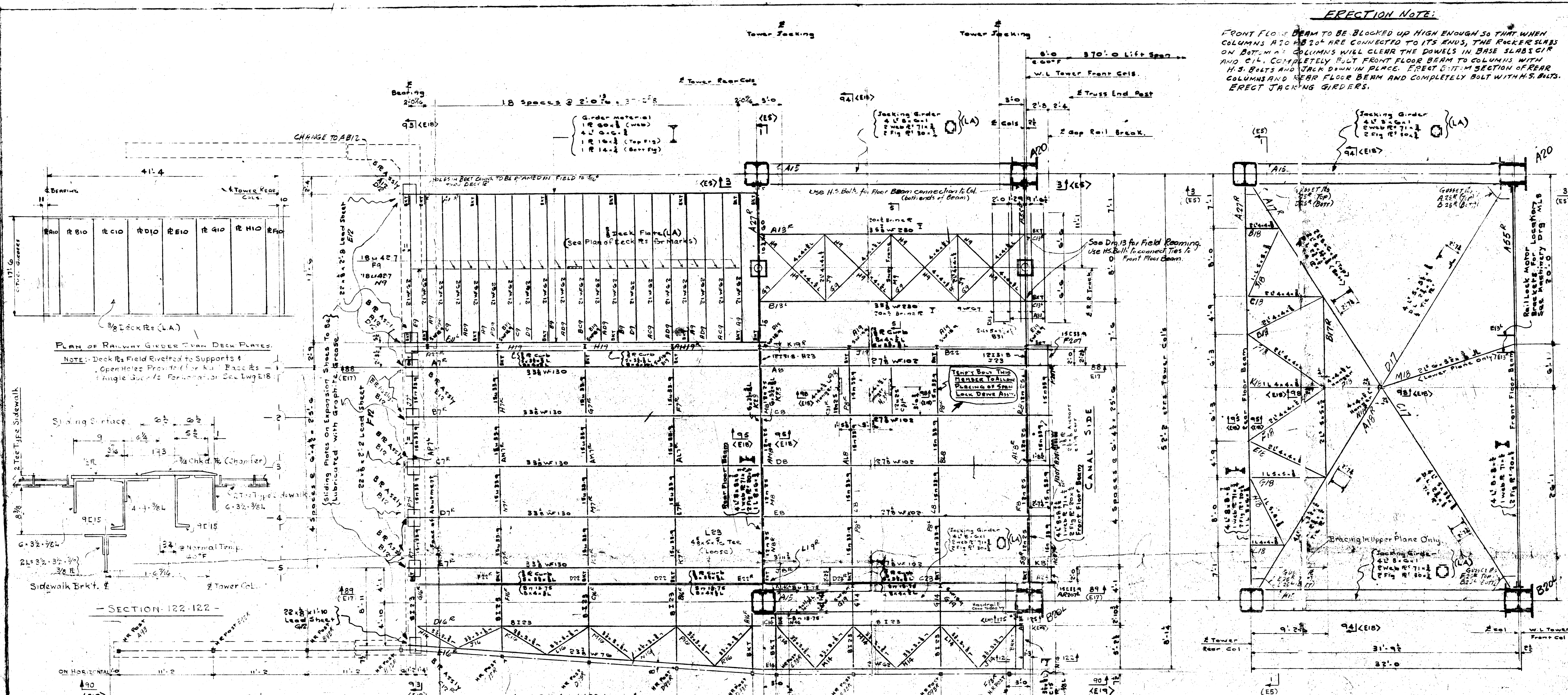


KEY PLAN OF NORTH TOWER

<p>REVISIONS</p> <p>NO. DATE BY</p> <p>1 MAY 29/59</p> <p>2 AUG 27/59</p> <p>3 NOV 19/59</p>	<p>NOTE</p> <p>FOR GENERAL NOTES SEE DWG. #1</p> <p>WELDING SPEC.</p>	<p>CUSTOMER: DEPT. OF PUBLIC WORKS - CANADA</p> <p>NAME OF STRUCTURE: BURLINGTON CANAL MET. BRIDGE</p> <p>DESIGN BY: S.G. PARKER & ASSOCIATES LTD.</p> <p>DRAWING: NORTH TOWER ELEVATIONS</p> <p>B. Parker & Associates</p> <p>1000 ...</p> <p>REVISIONS: 1, 2, 3</p> <p>DATE: MAY 29, 1959</p> <p>BY: S.G. PARKER</p> <p>SCALE: AS SHOWN</p> <p>PROJECT: BURLINGTON CANAL MET. BRIDGE</p> <p>NO. 9636-1-T-N</p> <p>UNLESS NOTED OTHERWISE</p> <p>DRAWING: E5</p>
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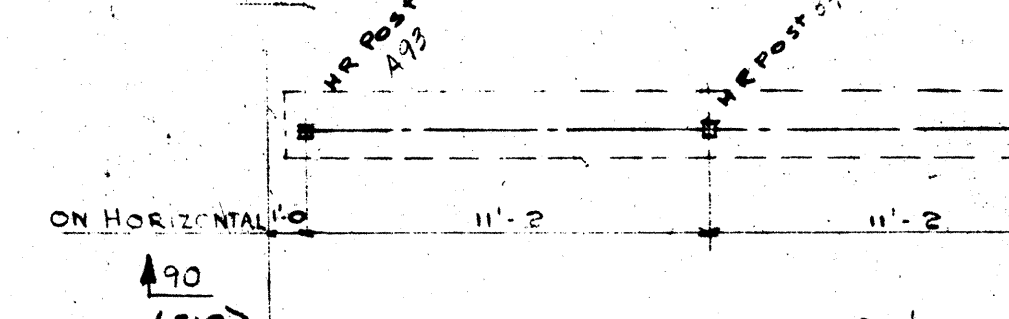
ERECTION NOTE

FRONT FLOOR BEAM TO BE BLOCKED UP HIGH ENOUGH SO THAT WHEN COLUMNS A10 & B10 ARE CONNECTED TO ITS ENDS, THE ROLLER SLIDS ON BOTTOM OF COLUMNS WILL CLEAR THE DOWELS IN BASE SLAB & GIR AND C14. COMPLETELY BOLT FRONT FLOOR BEAM TO COLUMNS WITH H.S. BOLTS AND JACK DOWN IN PLACE. ERECT C-TRUSS SECTION OF REAR COLUMNS AND REAR FLOOR BEAM AND COMPLETELY BOLT WITH H.S. BOLTS. ERECT JACKING GIRDERS.

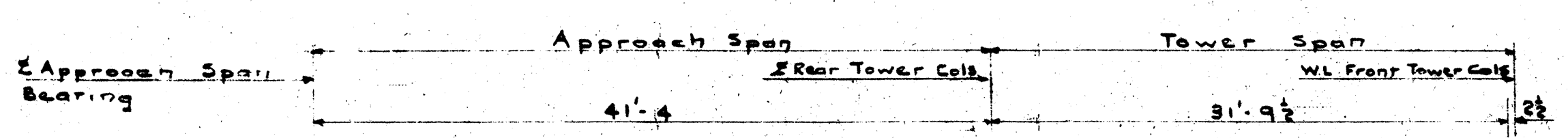


PLAN OF RAILWAY GIRDER OVER DECK PLATES
NOTE: Deck Pl. Field Riveted to Supports & Operated Prev. to the A.A. Packets - Angle Support Formations See Lwg 118

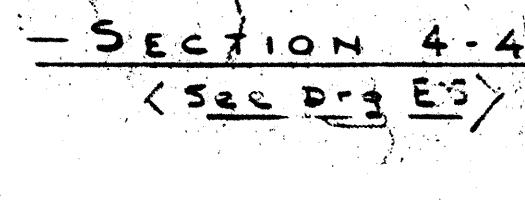
SECTION 122-122



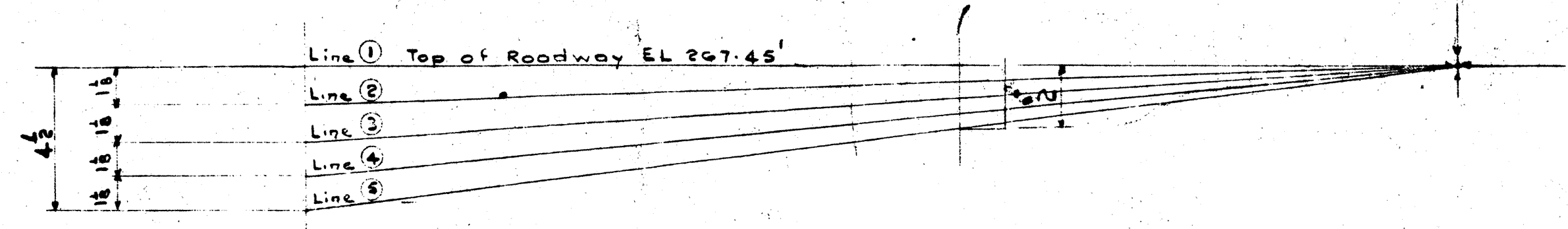
APPROACH SPAN



TOWER SPAN

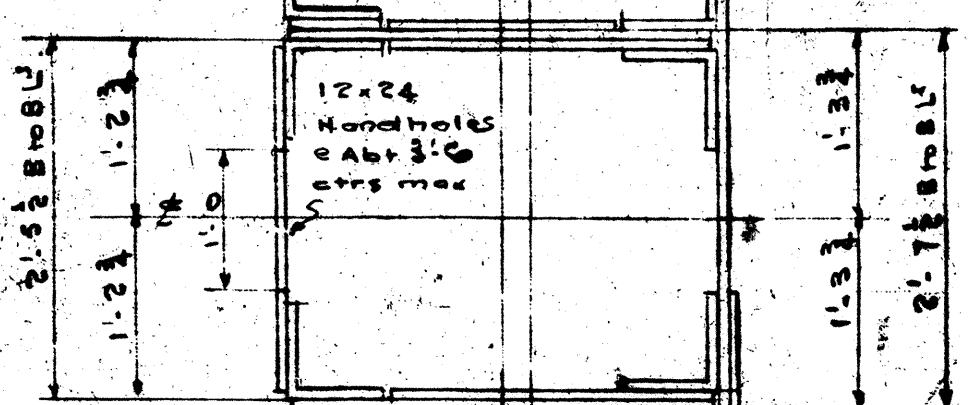


ROADWAY ELEVATIONS FOR APPROACH SPAN & TOWER SPAN



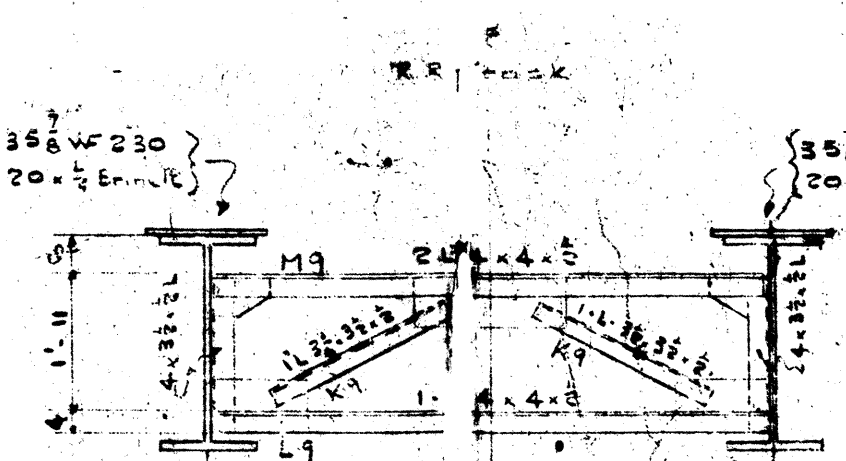
LATERAL & TRACTION BRACING

SECTION 114-114



ERECTOR NOTE: Rivets for Sidewalk Brkt. & Front Tower Col. Driven after Lift Span is aligned & Erection Jacks removed.

SECTION 4-4



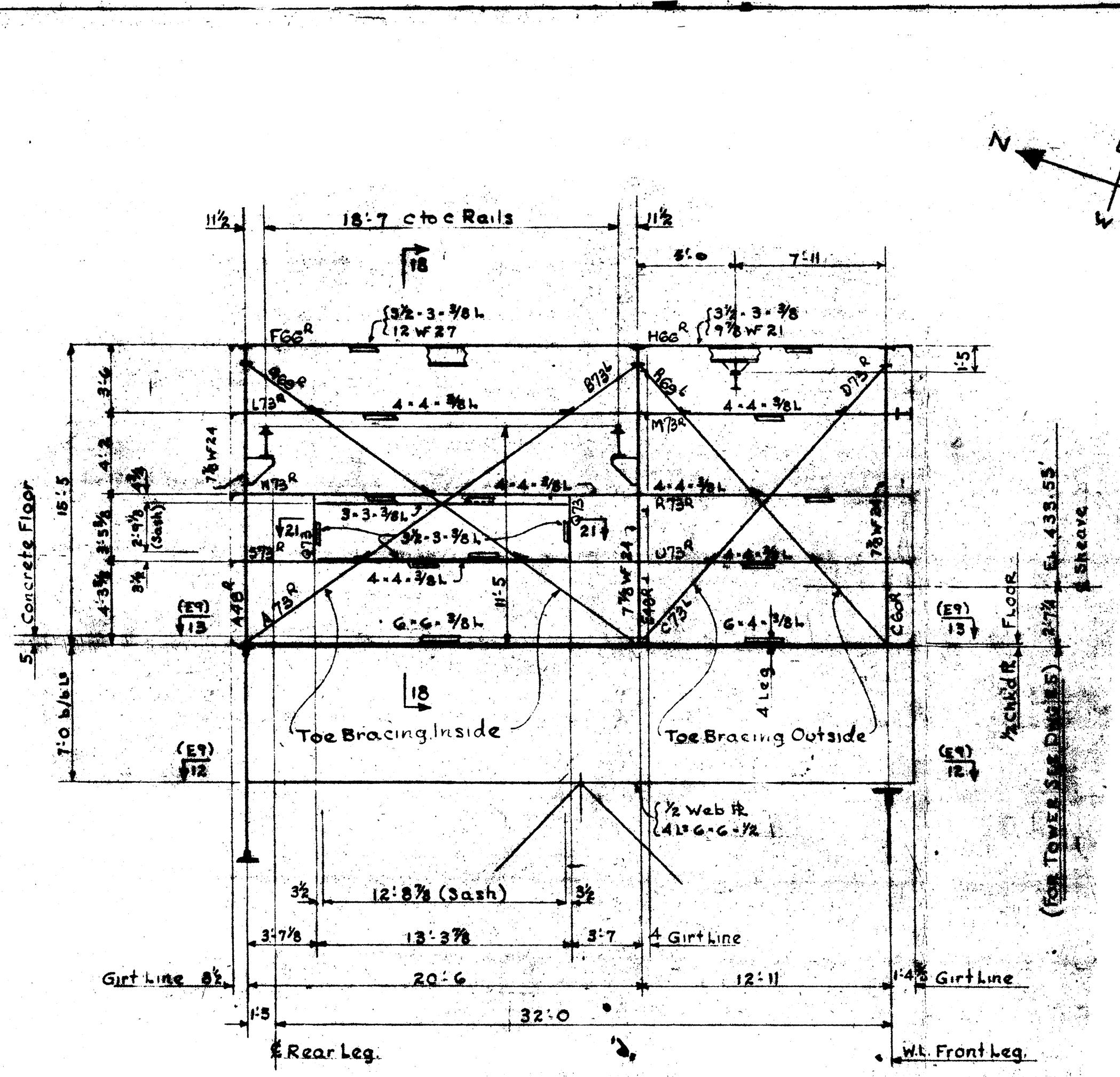
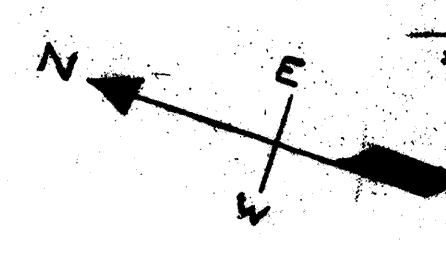
Bottom Section Rear Col Material
2 R 32x1
4 R 28x1
2 R 24x1
2 R 18x1

SECTION 16-16

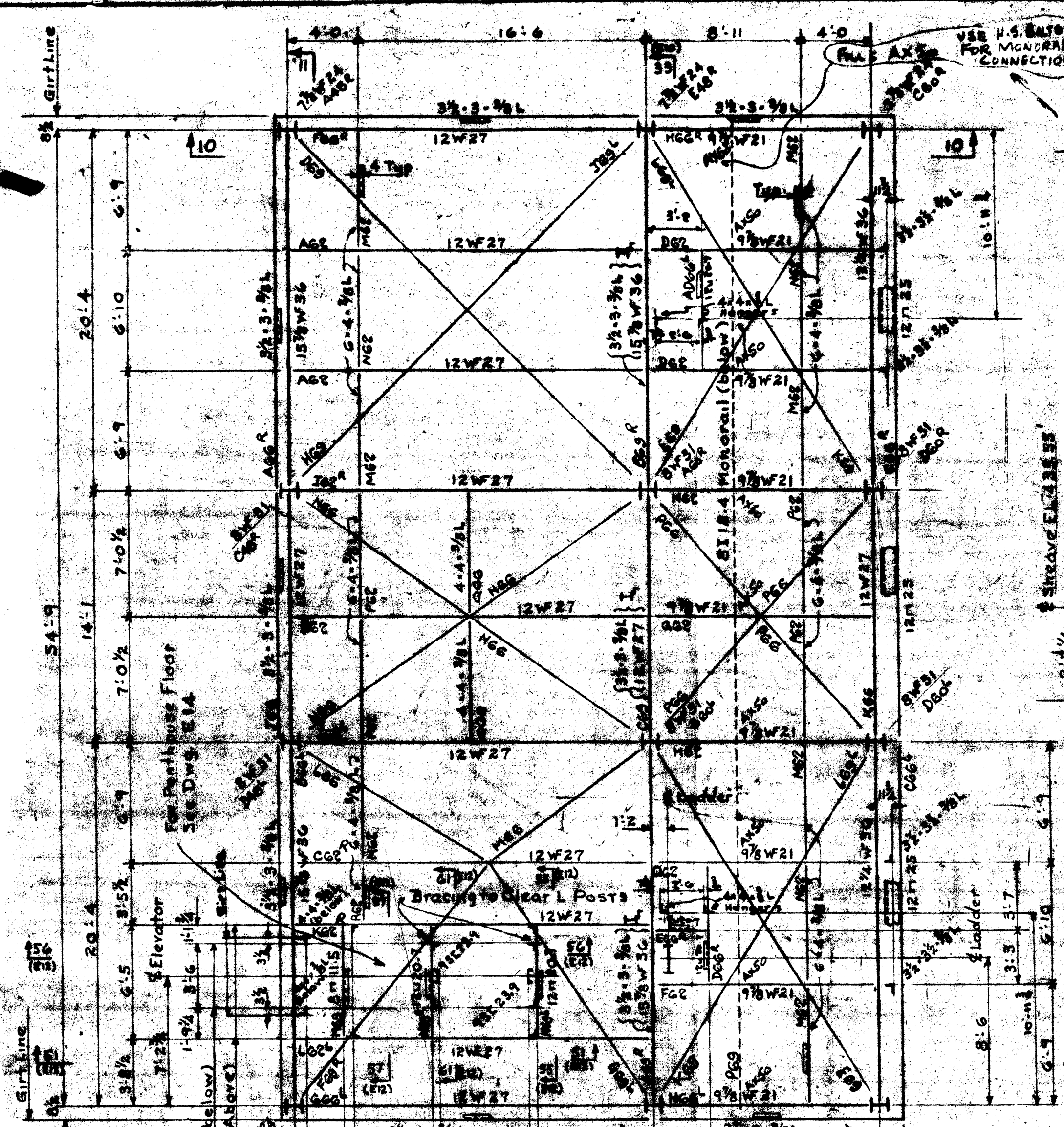
Typical Section Thru Rear Col
Note: All Material Marked (LA) To Be Low Alloy Steel ASTM A242-SS Or Equal. See Design Drgs For Floor Beams, Railway Girders, B.R. Assemblies, Shoes, Expansion Joints Etc.

CONT 91036-1.T.N.

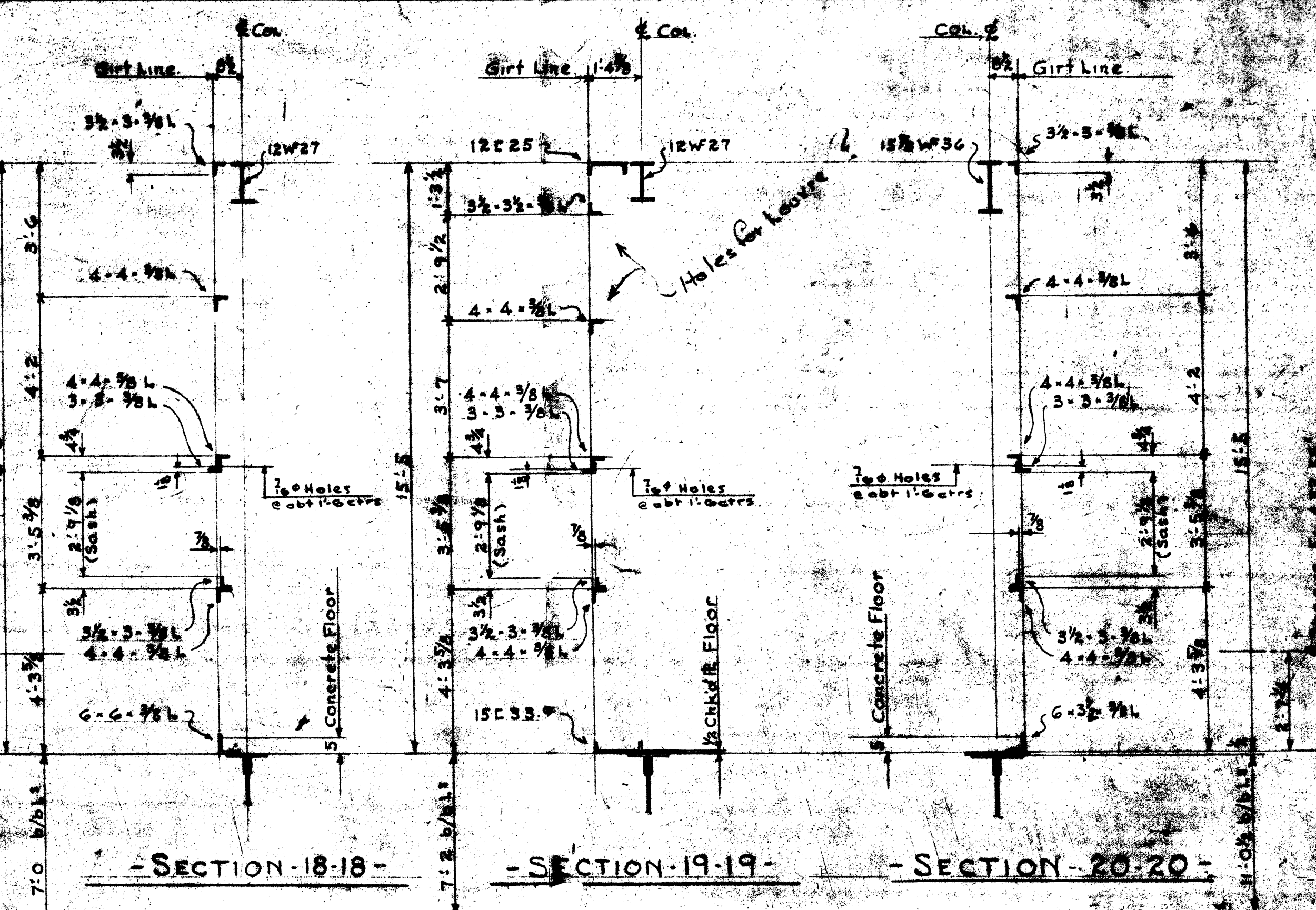
REVISED May 29/59	CUSTOMER Dept. of Public Works - Canada
DESIGNED July 2/54	
DESIGNED May 29/50	NAME OF STRUCTURE Burlington Canal Lift Bridge
DESIGNED Nov 1/50	
TITLE OF DRAWING North Tower, Approach & Tower Floor Beams	DESIGN BY C. E. Parker & Associates
BRIDGE & TANK Company of Canada, Limited	
HAMILTON BRIDGE DIVISION HAMILTON, ONTARIO	
PROJECT NO. 100 CONTRACT 100	
CHECKED BY	DATE
STARTED	COMPLETED
WORK ORDER	
DRAWING	ES



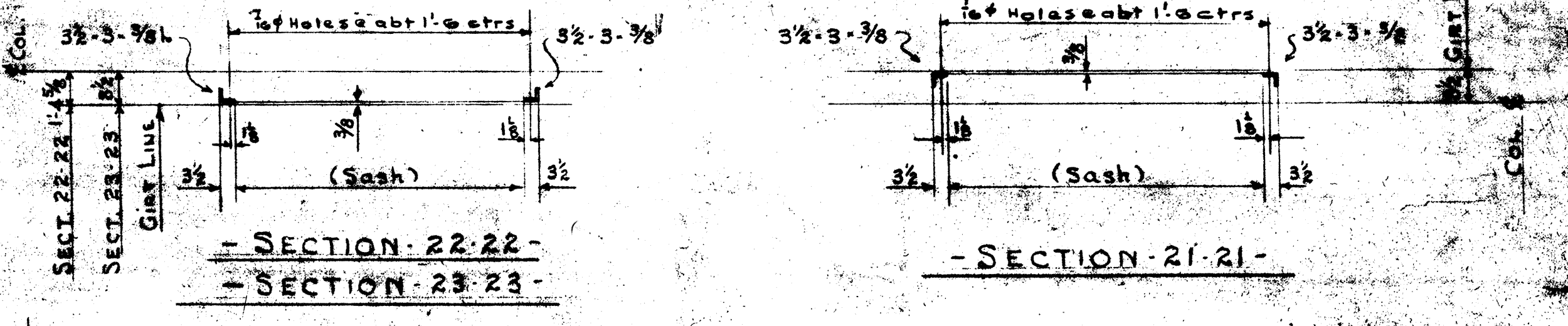
- SECTION 10-10 -
NOTE: BRACING 4-3-3/8" ON & COLS. & TOE AS NOTED (4 LEG CONNECTED)
CONNECT GIRTS TO BRACING.



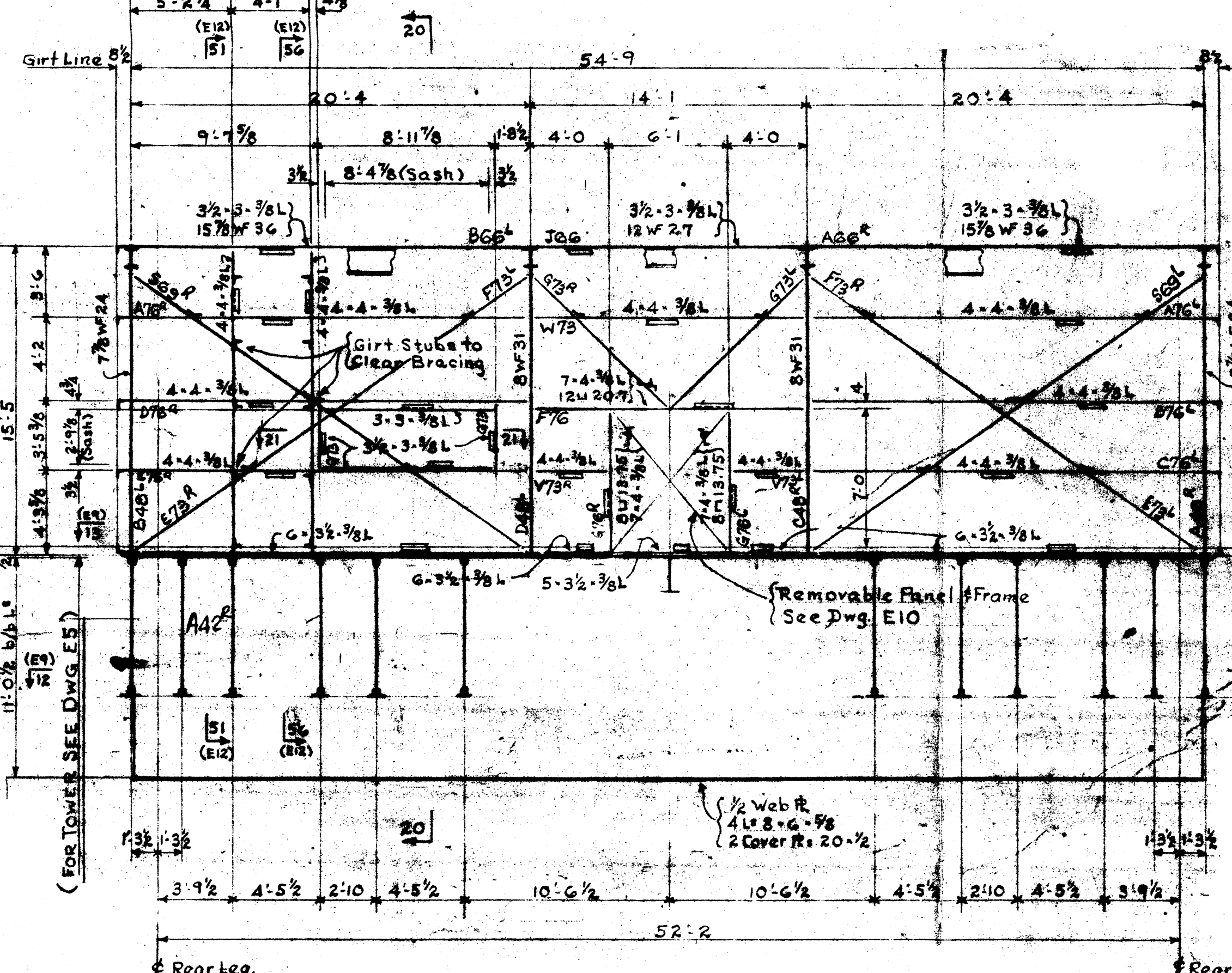
- MACHINE HOUSE ROOF PLAN -
NOTE: BRACING 4-4-3/8" UNLESS NOTED
CONNECT TO U/S OF PURLINS (LEG VERTICAL)
ALL BEAMS LIE FLUSH TOP UNLESS NOTED



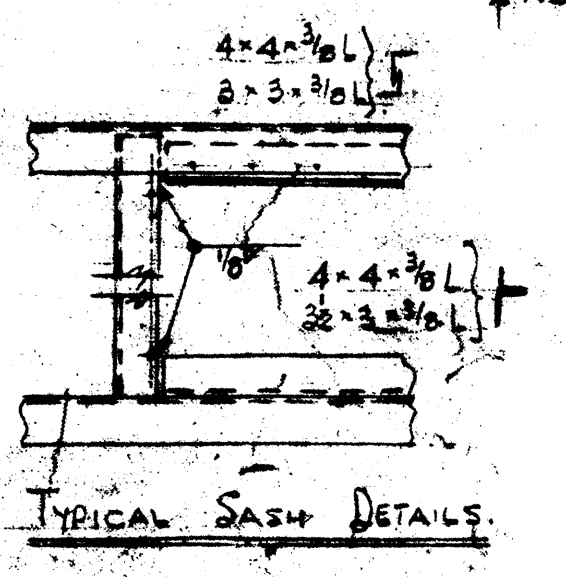
- SECTION 18-18 - **- SECTION 19-19 -** **- SECTION 20-20 -**



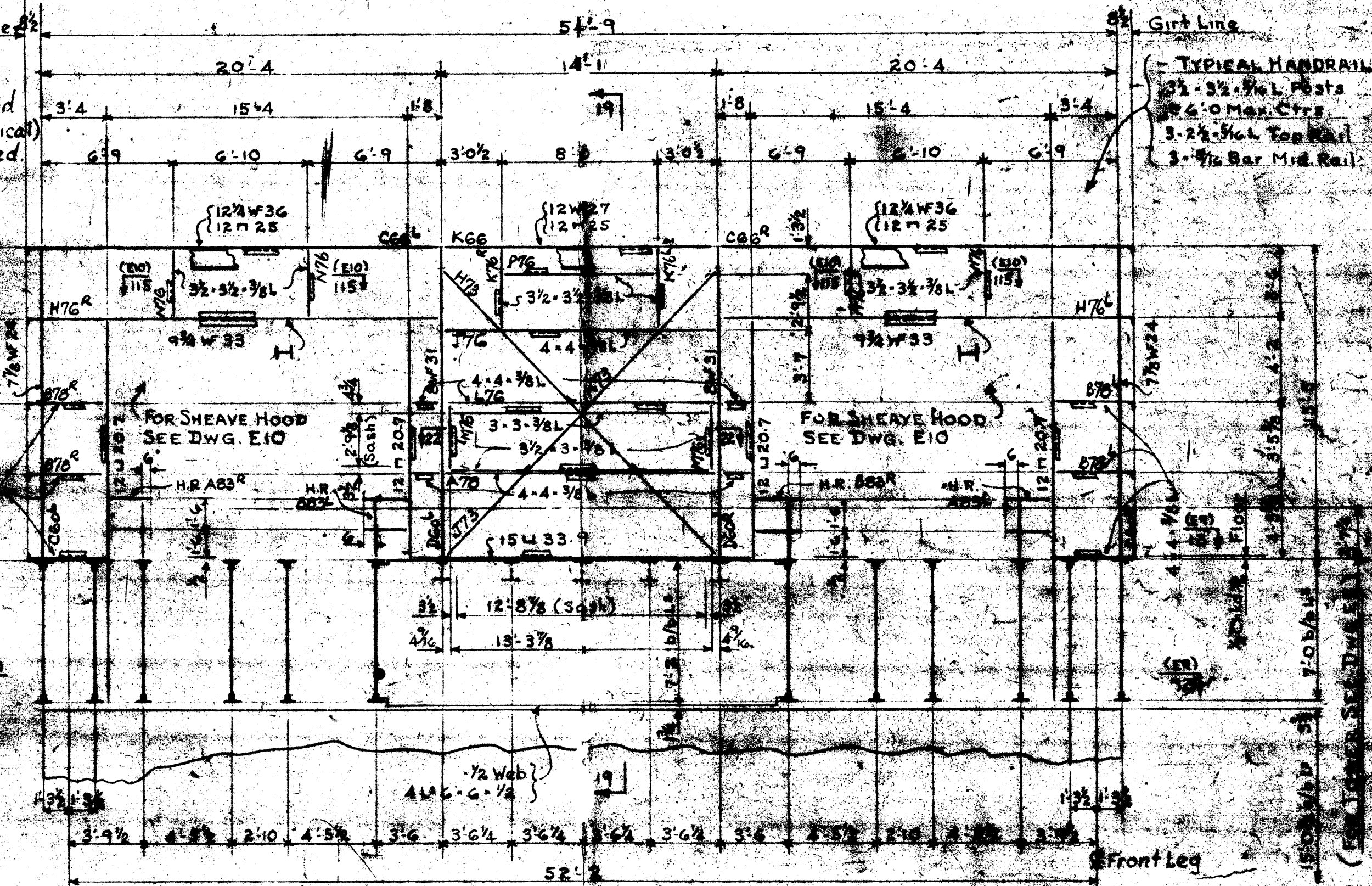
- SECTION 22-22 - **- SECTION 21-21 -**



- SECTION 11-11 -
NOTE: BRACING 4-3-3/8" ON & COLS. & TOE INSIDE (4 LEG CONNECTED)
CONNECT GIRTS TO BRACING



- WEST ELEVATION -
NOTE: BRACING 4-3-3/8" ON & COLS. & TOE AS NOTED (4 LEG CONNECTED)
CONNECT GIRTS TO BRACING

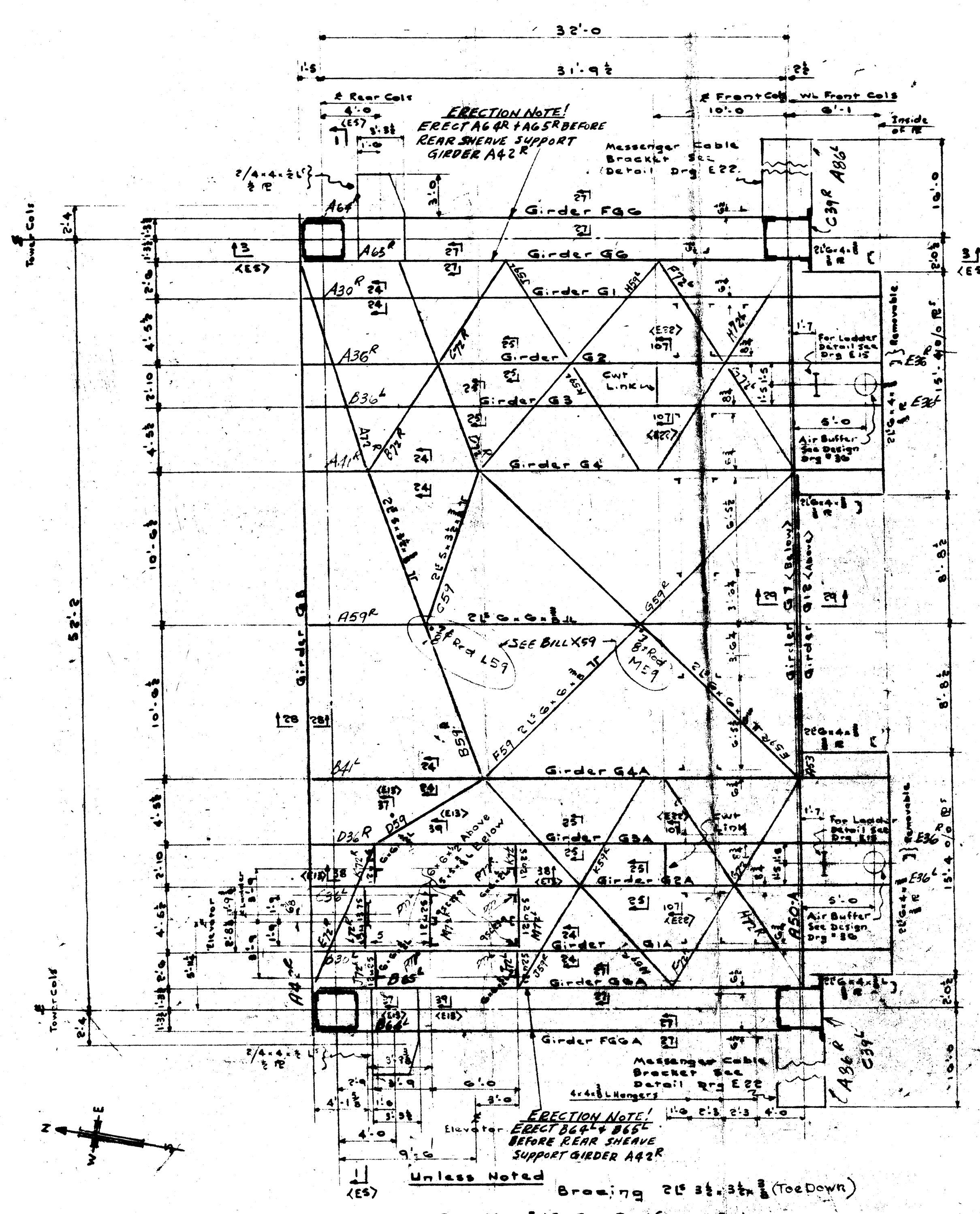


- SOUTH ELEVATION -
NOTE: BRACING 4-3-3/8" ON & COLS. & TOE INSIDE (4 LEG CONNECTED)
CONNECT GIRTS TO BRACING

CONT. 9636-1-T-N

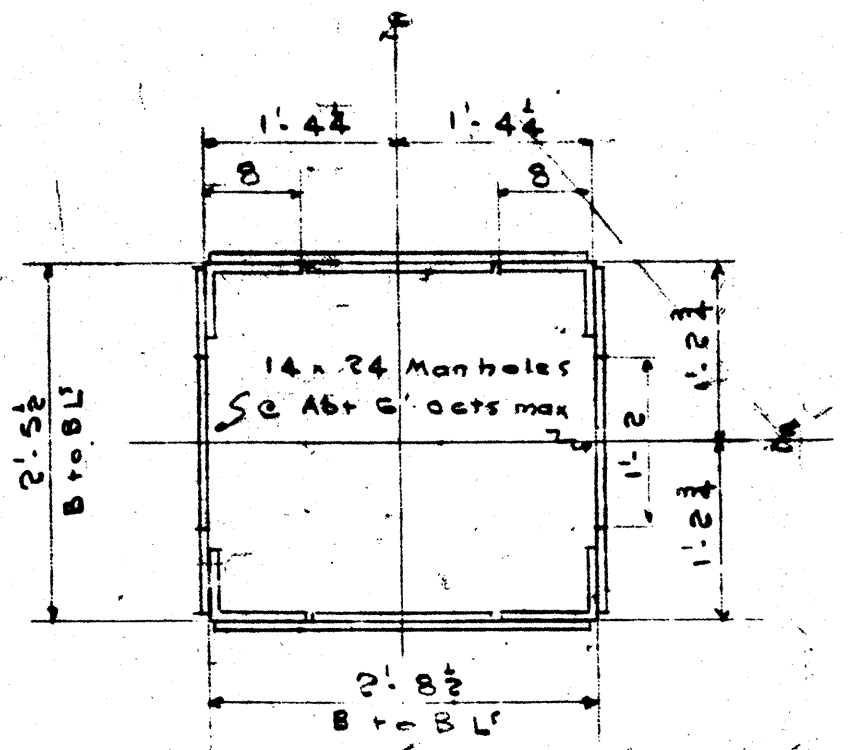
NOTES -
Field Paint Surfaces that contact Aluminum with one coat Zinc Chromate. See General Notes. See DWG E12 FOR CRANE RUNWAY PLAN.
Shop Connections 3/4" Rivets or Welded Field Connections 3/4" Rivets Except Girts 3/4" M. Bolts. See Design Dwg for further Detail of Sheave Girders.

REVISED May 15/59	REVISIONS May 25/59	CUSTOMER DEPT. OF PUBLIC WORKS - CANADA NAME OF STRUCTURE BURLINGTON CANAL LIFT BRIDGE DESIGN BY C.C. PARKER & ASSOCIATES LTD. TITLE OF DRAWING NORTH TOWER MACHINE HOUSE
APR 28/59		
MAY 25/59		
AUG 3/59		
LAST ASSEMBLY MARKED		Bridge & Tank Company of Canada Limited HAMILTON BRIDGE DIVISION HAMILTON, ONTARIO JAN 29/59 Mar 29/59 May 29/59 WORK ORDER
DRAWING NO. 9636-1-T-N		



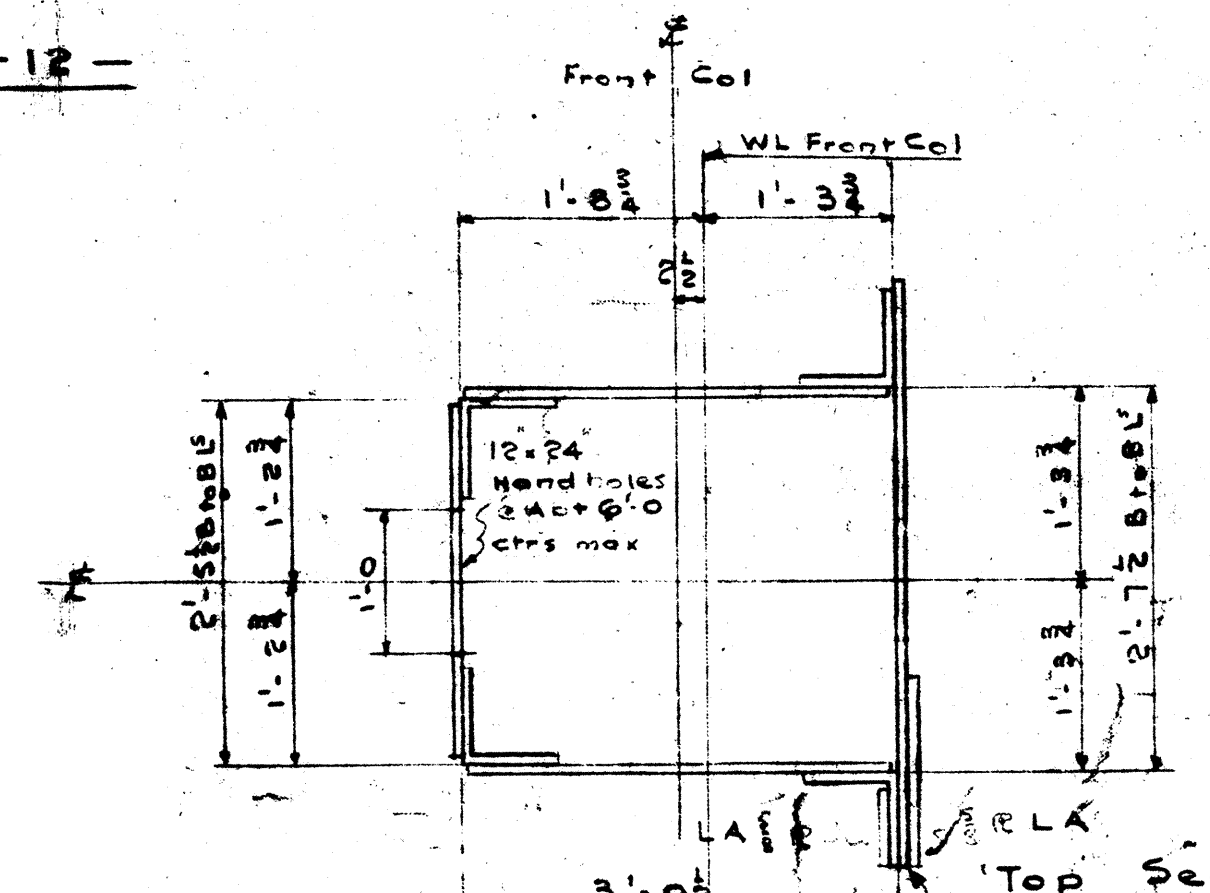
Plan At Bottom Chord of Longitudinal Sheave Girders

SECTION 12-12
(See Drg E5)



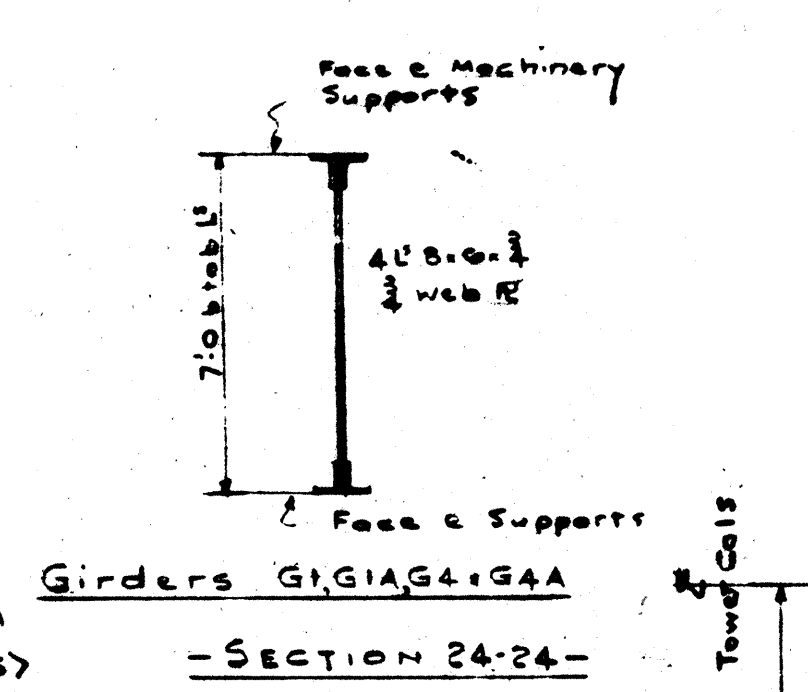
Top Section Rear Col Material
2 R 32.1
4 L 8.0 x 1
2 R 24.5
2 R 10.1

SECTION 14-14
(See Drg E5)

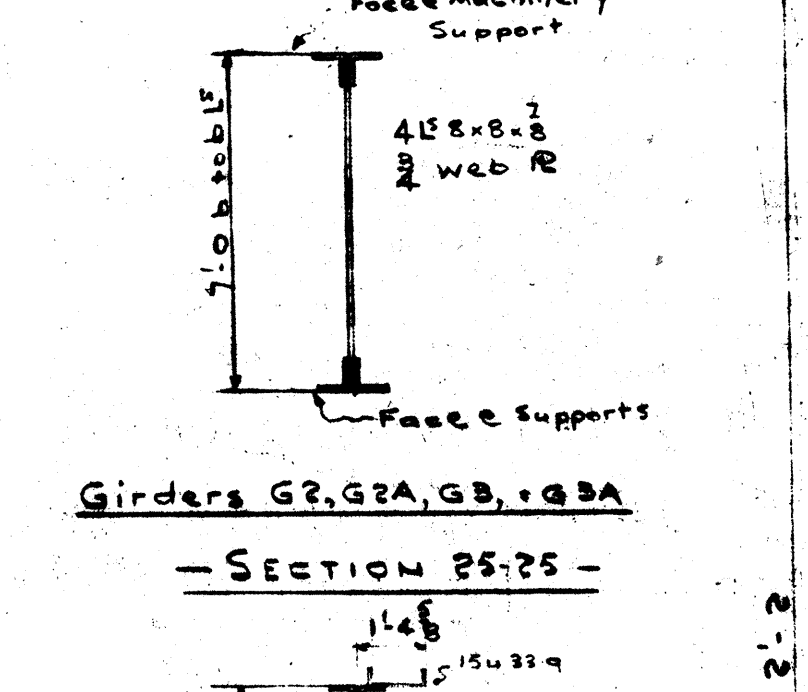


Typical Section Thru Front Col
1 R 48 x 8
4 L 8.0 x 1
2 R 30 x 1
1 R 29.5

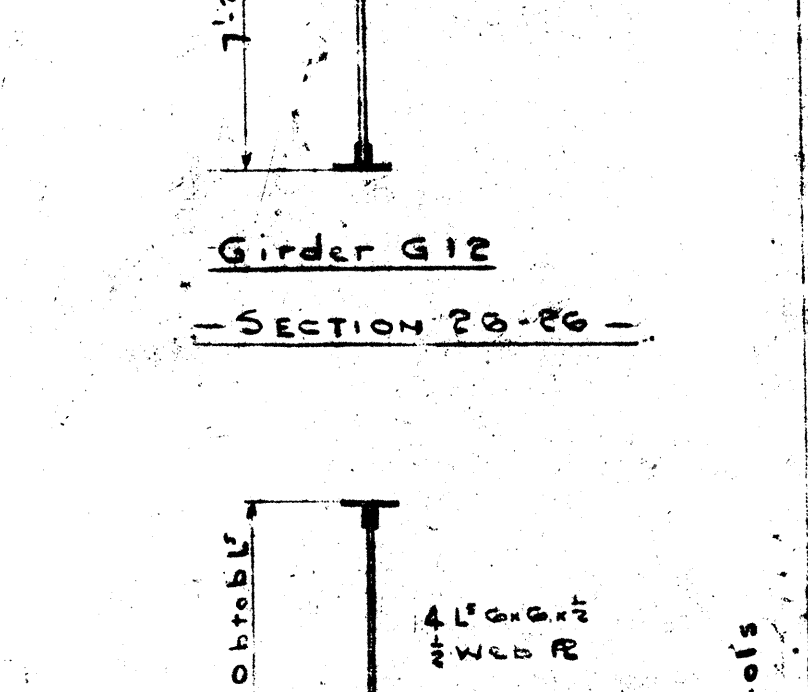
SECTION 15-15
(See Drg E5)



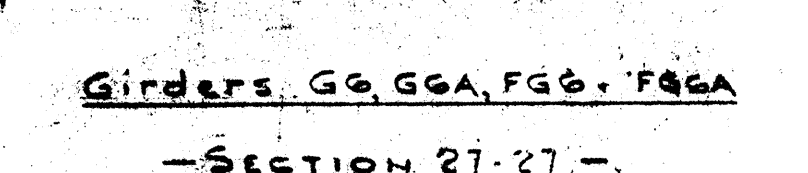
SECTION 24-24
Girders G1, G2, G3, G4, G5, G6, G7, G8, G9, G10, G11, G12



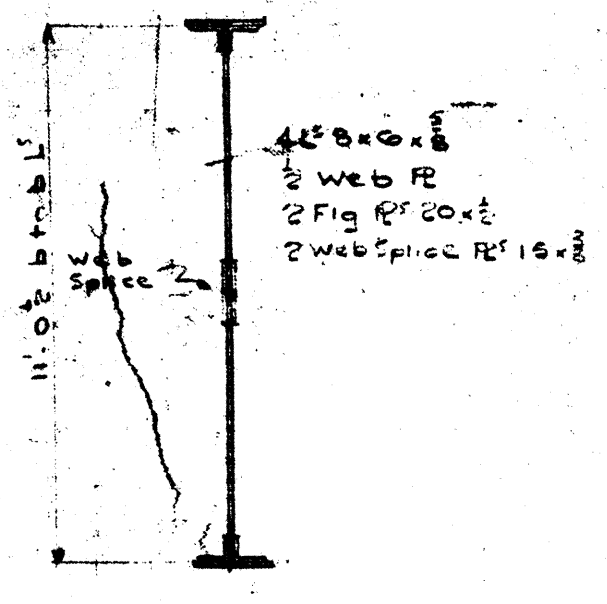
SECTION 25-25
Girders G2, G3, G4, G5, G6, G7, G8, G9, G10, G11, G12



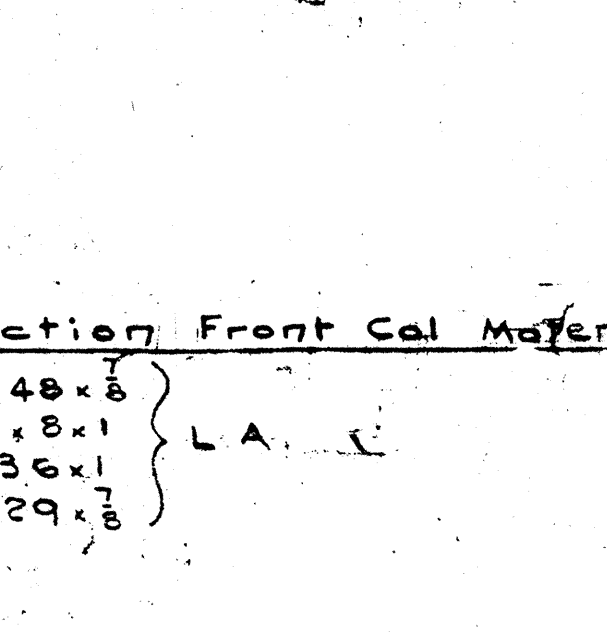
SECTION 26-26
Girder G12



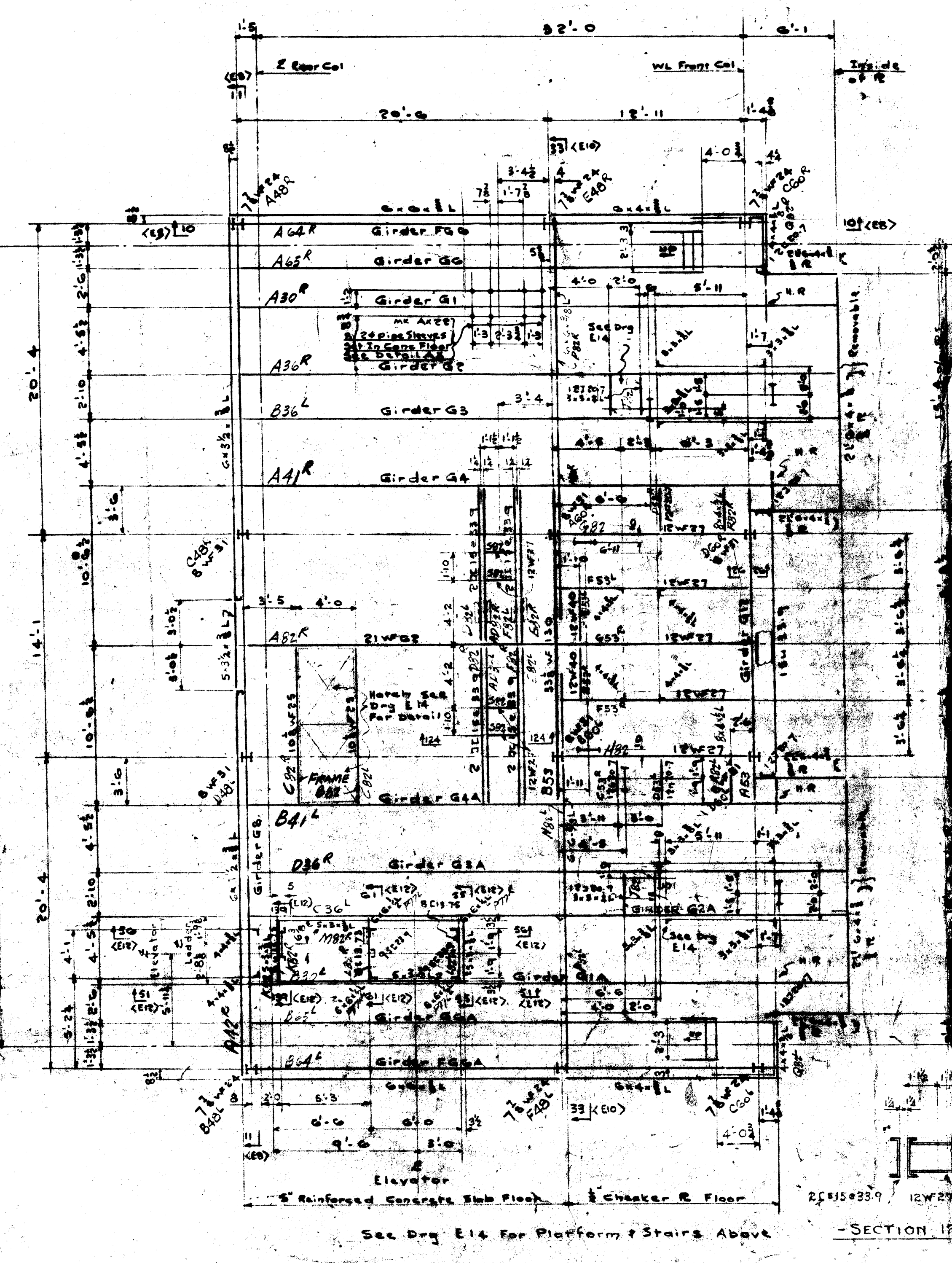
SECTION 27-27
Girders G9, G10, G11, G12



SECTION 28-28
Girder G8

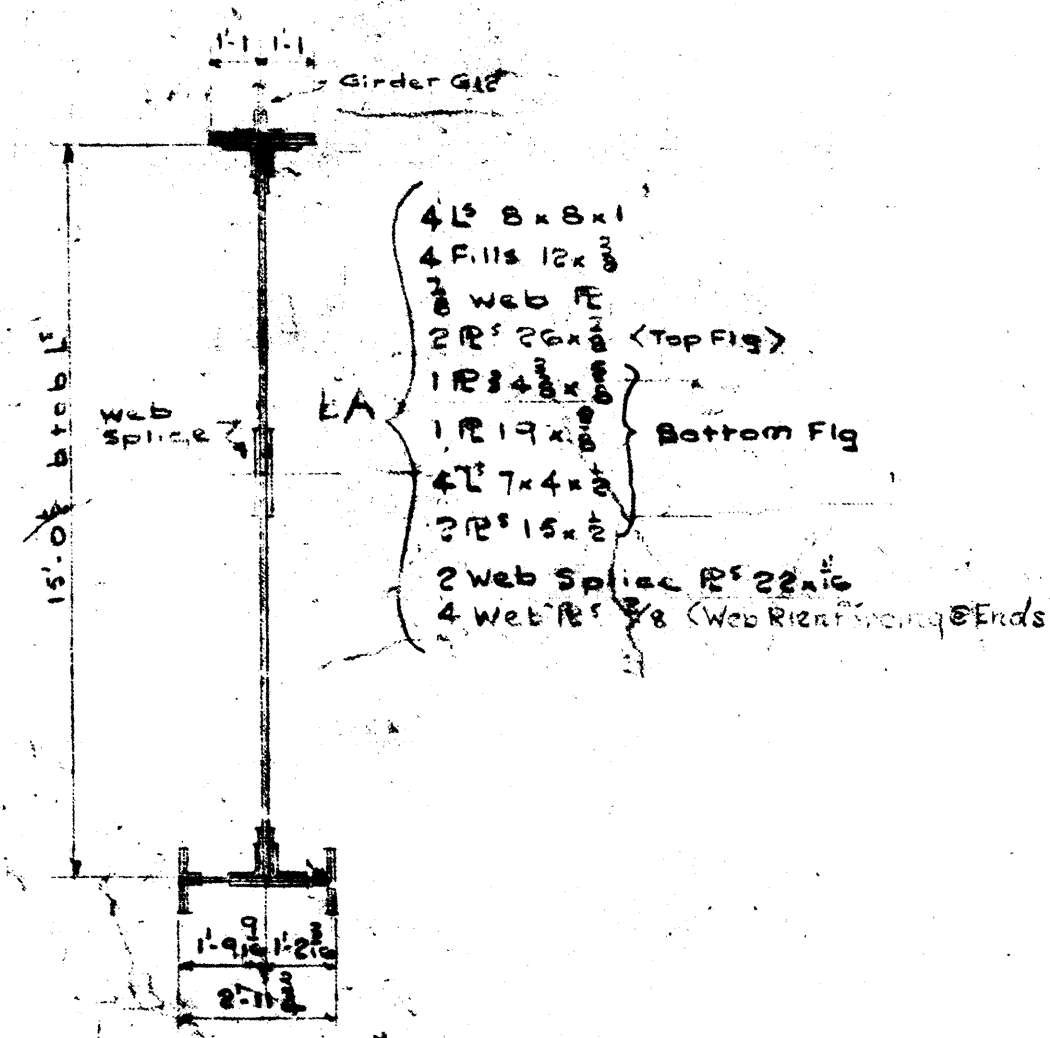


SECTION 29-29
Girder G7

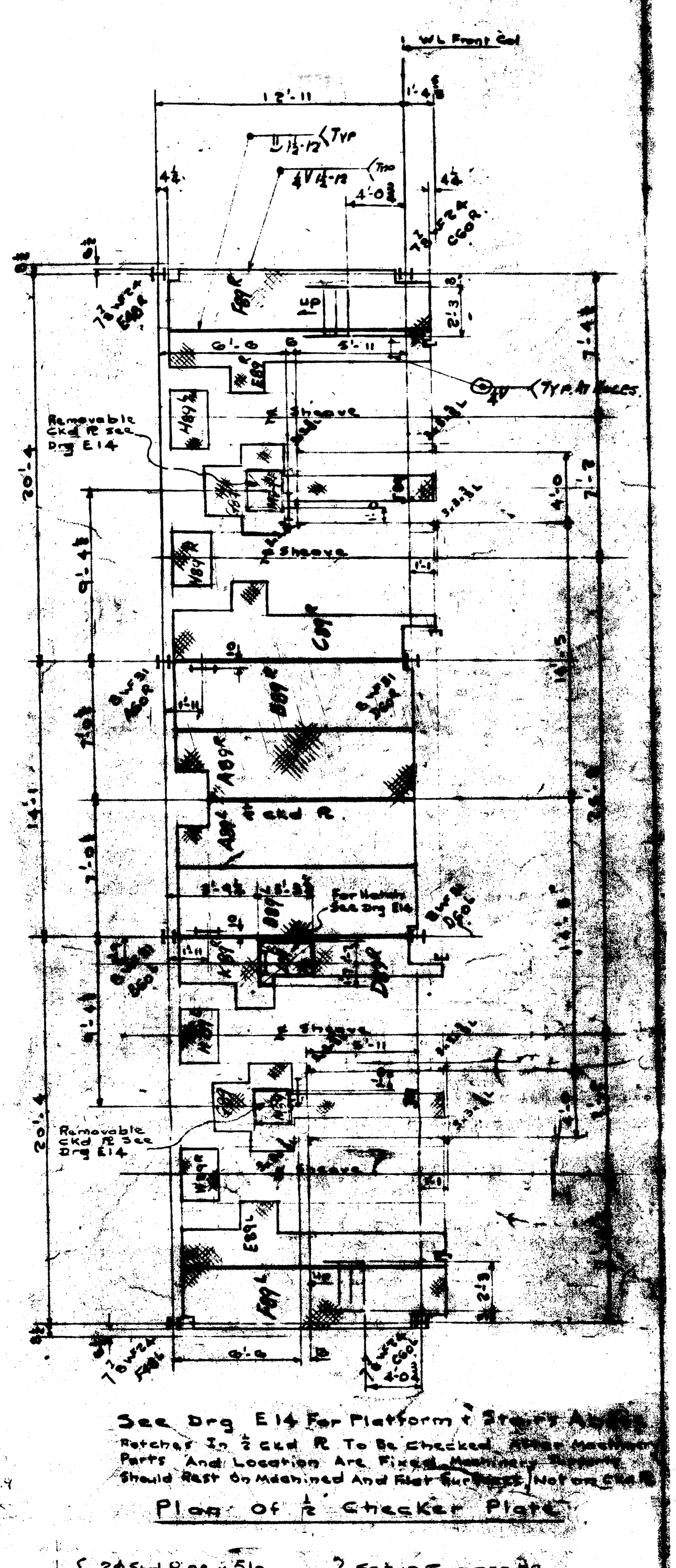


Plan At Top Chord of Longitudinal Sheave Girders

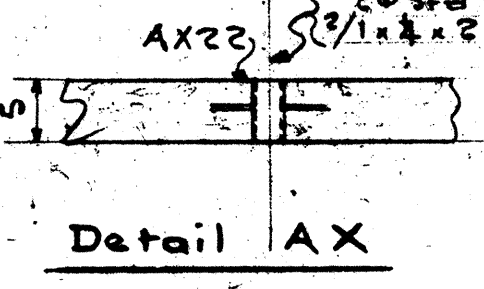
SECTION 13-13
(See Drg E5)



SECTION 13-13
Girder G7



Plan of Checker Plate



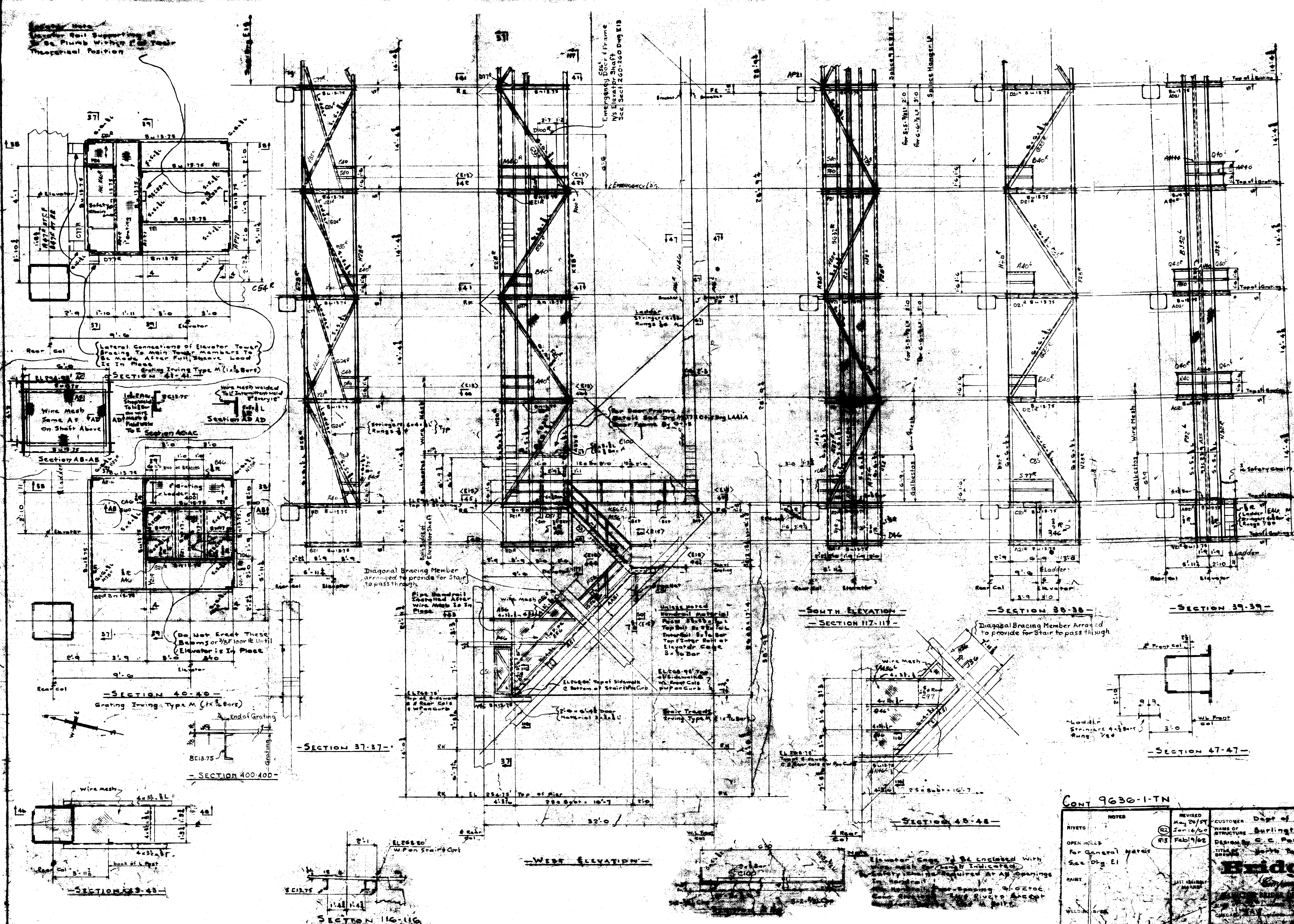
Detail AX

Notes
For Girder Details See Design Drawings
Floor R To Be Notched & Holes To Be Drilled For Machinery
See Machinery Layout Drgs M1, M2, M14, M15, M16, M17, M18
All Material Marked L.A. To Be Low Alloy Steel A572M/A572
Floor R's Field Welded To Supporting Steel.

CONT 9036-1.T.N.

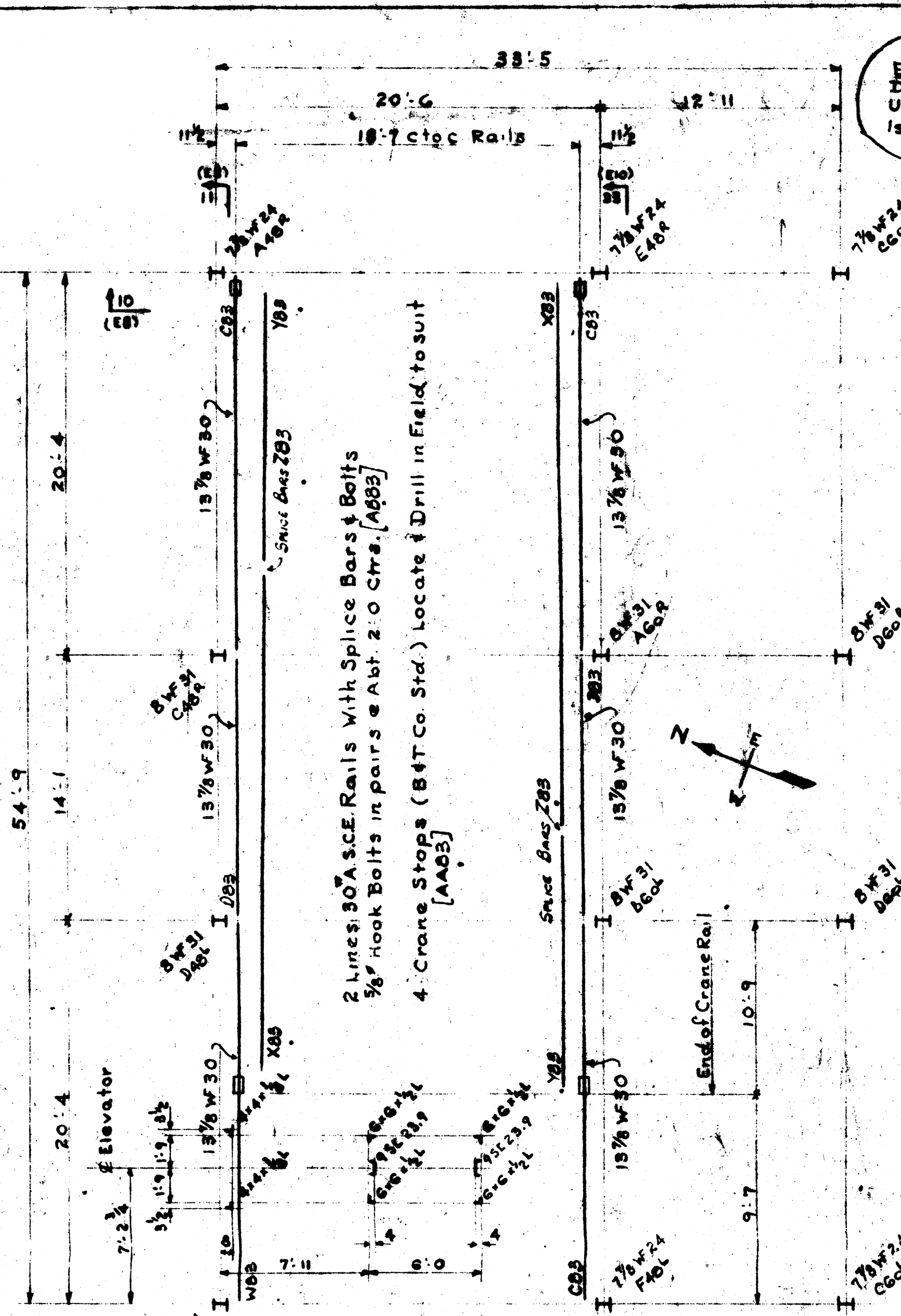
REVISED	NOTES	CUSTOMER
May 22/59		Dept. of Public Works, Canada
June 4/59		Burlington Canal Lift Bridge
Aug 2/59		Design By: C. C. Parker & Associates
Oct 6/59		Title of Drawing: North Tower Sheave Floor
Jan 22/60		
JUNE 9/60		
AUG 14/60		

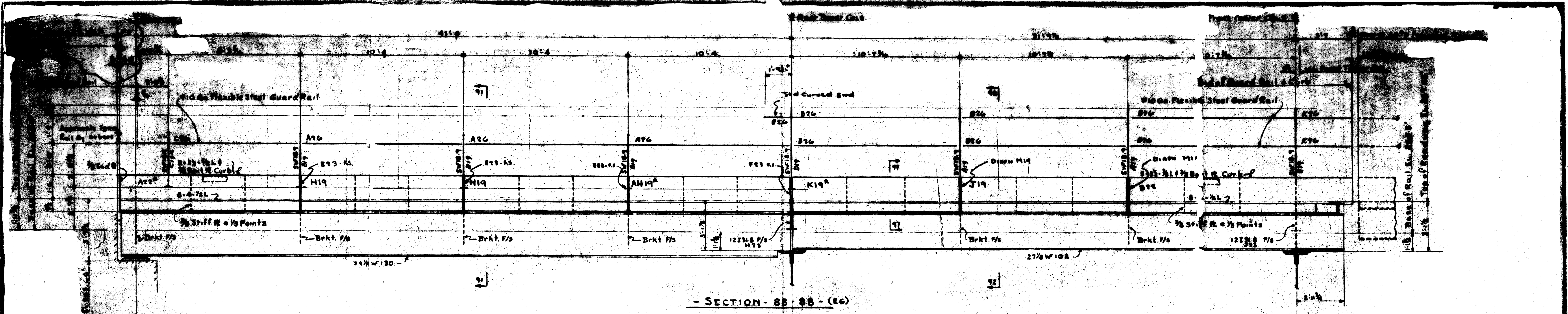
Bridge & Tank
Company of Canada Limited
HAMILTON BRIDGE DIVISION, HAMILTON, ONTARIO



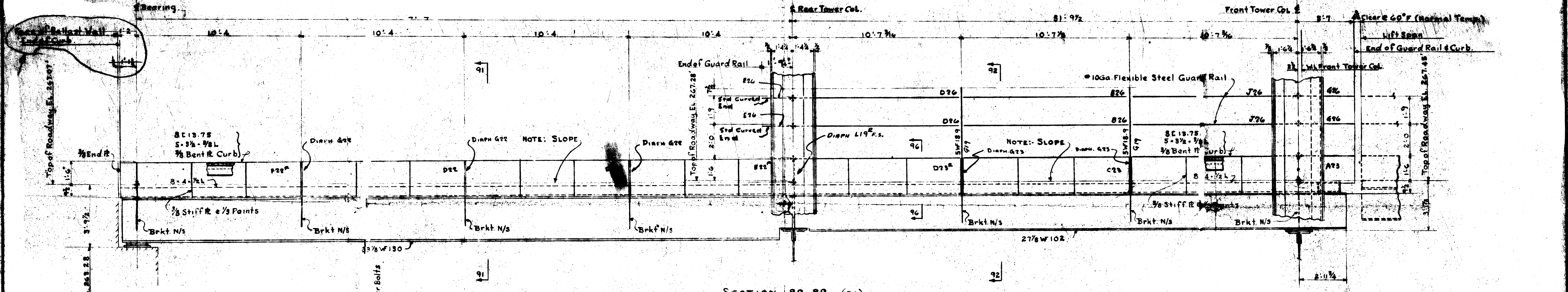
CONT 9630-1-TN

REVISED	NOTES	CUSTOMER
1	As Shown	Dept. of Public Works - Canada
2	For General Notes See Dwg E1	NAME OF STRUCTURE - Burlington Canal Lift Bridge
3		DESIGNED BY - C. C. PARKER & ASSOCIATES
4		DATE - Feb 1962
<p>Bridge & Tank Engineering & Construction Limited</p>		<p>BRIDGE ENGINEERS</p>

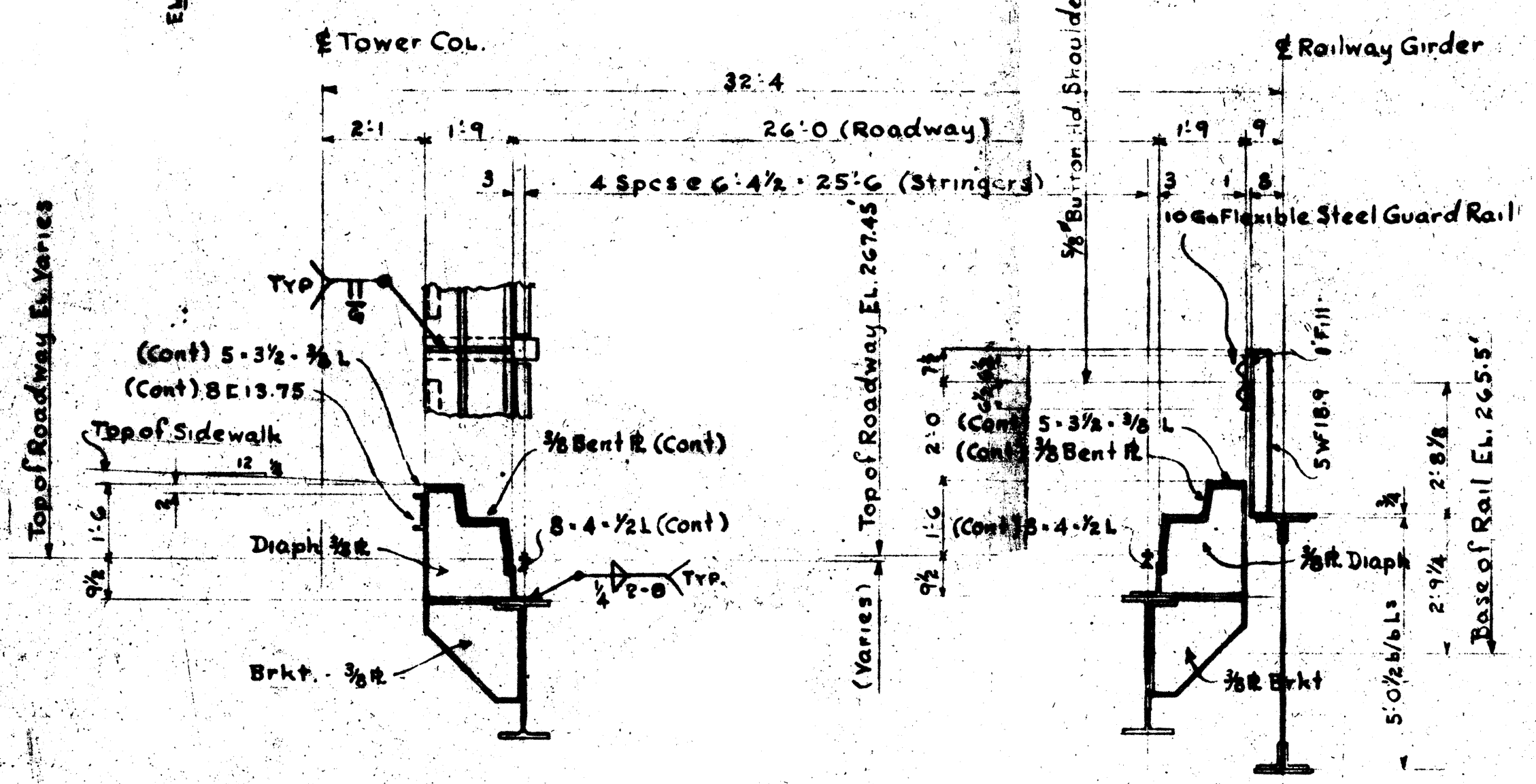




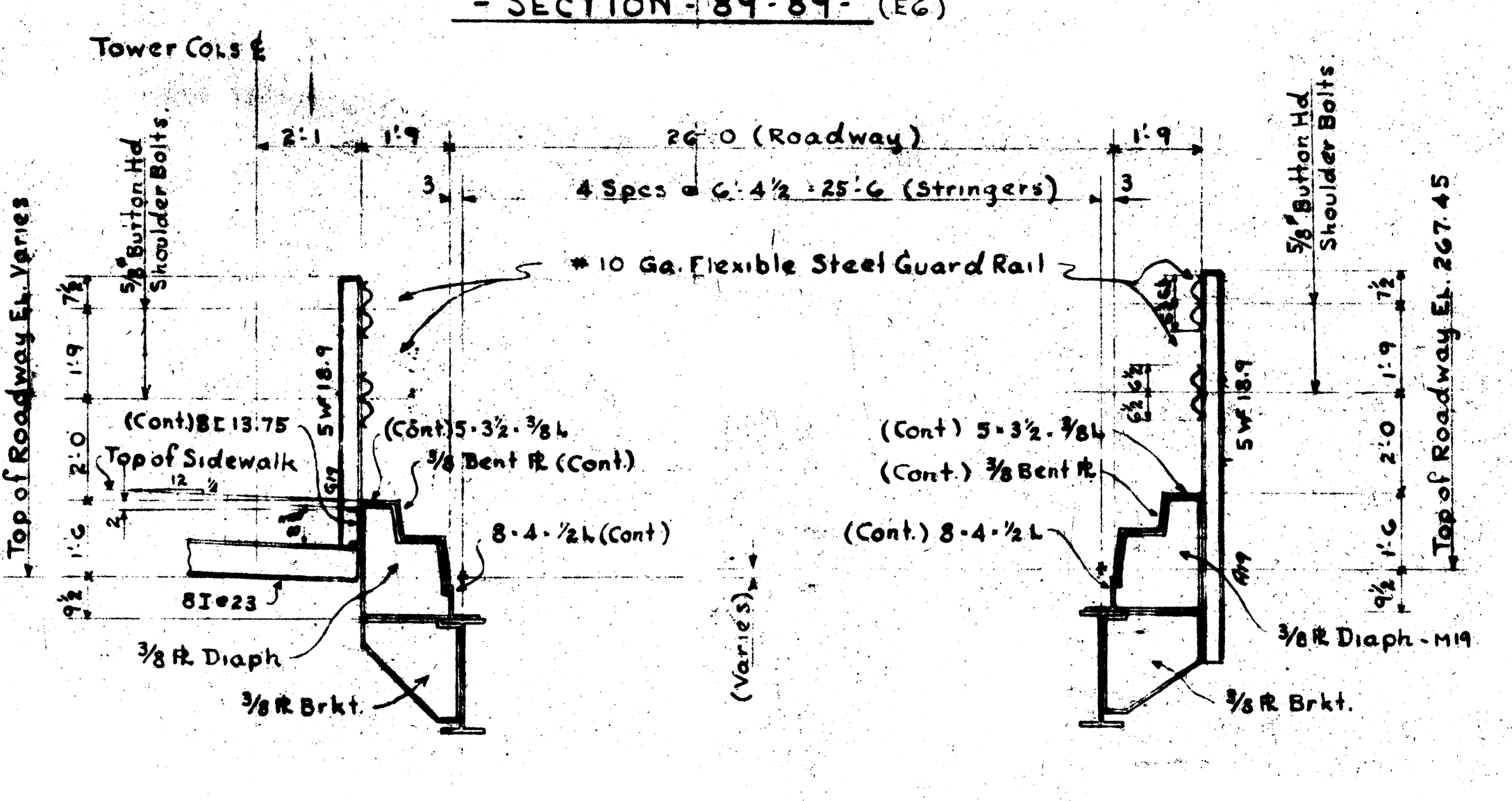
- SECTION 88-88 - (EG)



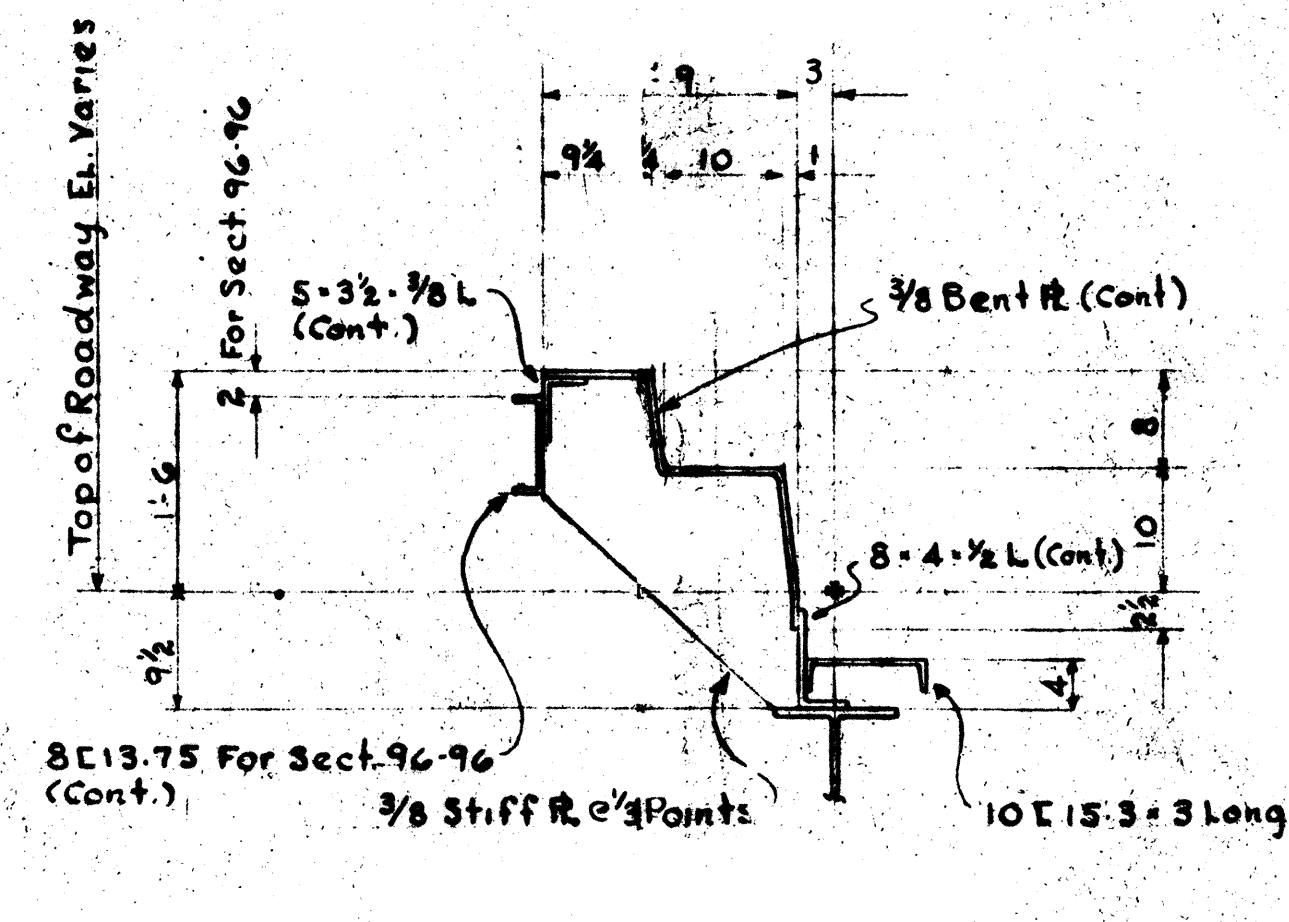
- SECTION 89-89 - (EG)



- SECTION 91-91 -



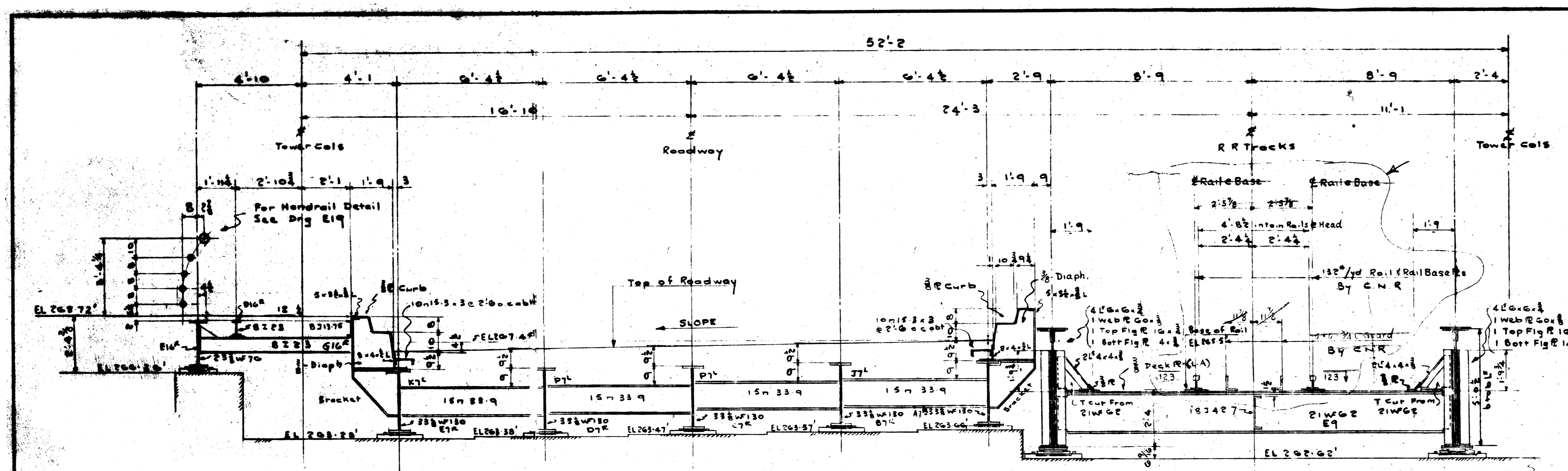
- SECTION 92-92 -



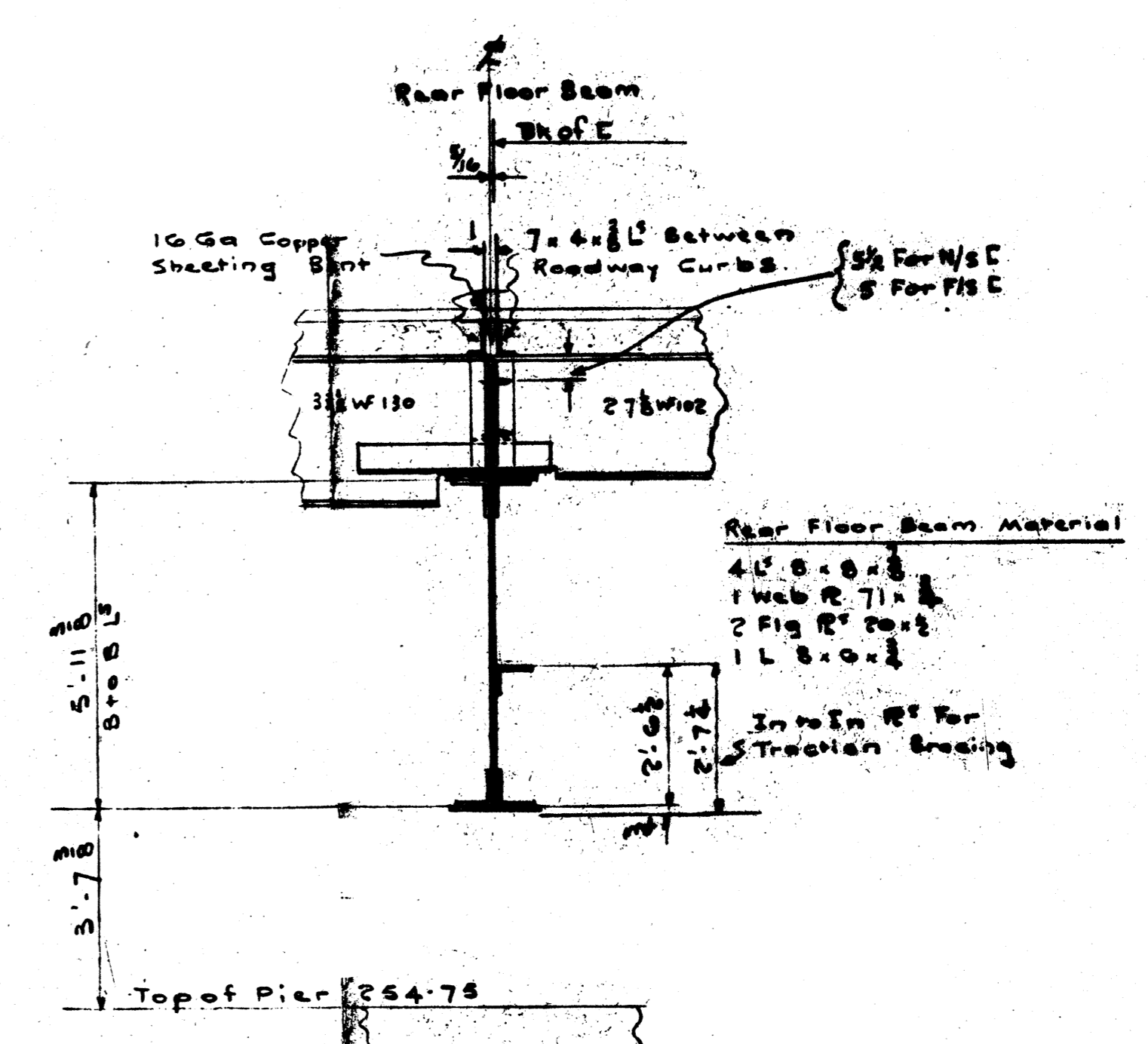
- SECTION 96-96 - TYPICAL
- SECTION 97-97 - TYPICAL

- NOTES -
Shop Connections Welded or Riveted with 3/4" Rivets
Field Connections Bolted with 3/4" H.S. Bolt Unless Noted.

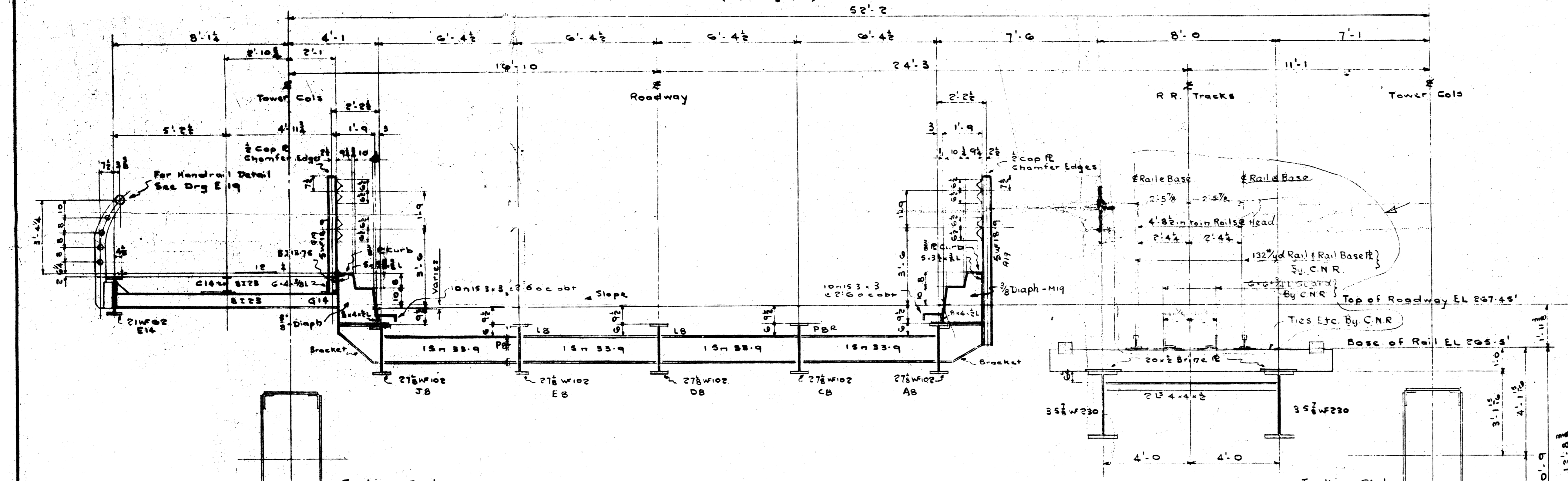
CONT. 9636-1-T-N		DEPARTMENT OF PUBLIC WORKS - CANADA BURLINGTON CANAL LIFT BRIDGE C. C. PARKER & ASSOCIATES LTD. NORTH TOWER APPROACH SECTIONS Bridge & Tank <i>Company of Canada Limited</i> HAMILTON BRIDGE DIVISION HAMILTON, ONTARIO MADE BY T.A.W. COMPANY 1627 GERRARD ST. E. TORONTO, ONT.
DATE: June 4/59 CHECKED: June 24/59 FOR GENERAL NOTES SEE DWG E1	DRAWN: E17 SHOP BILLS	



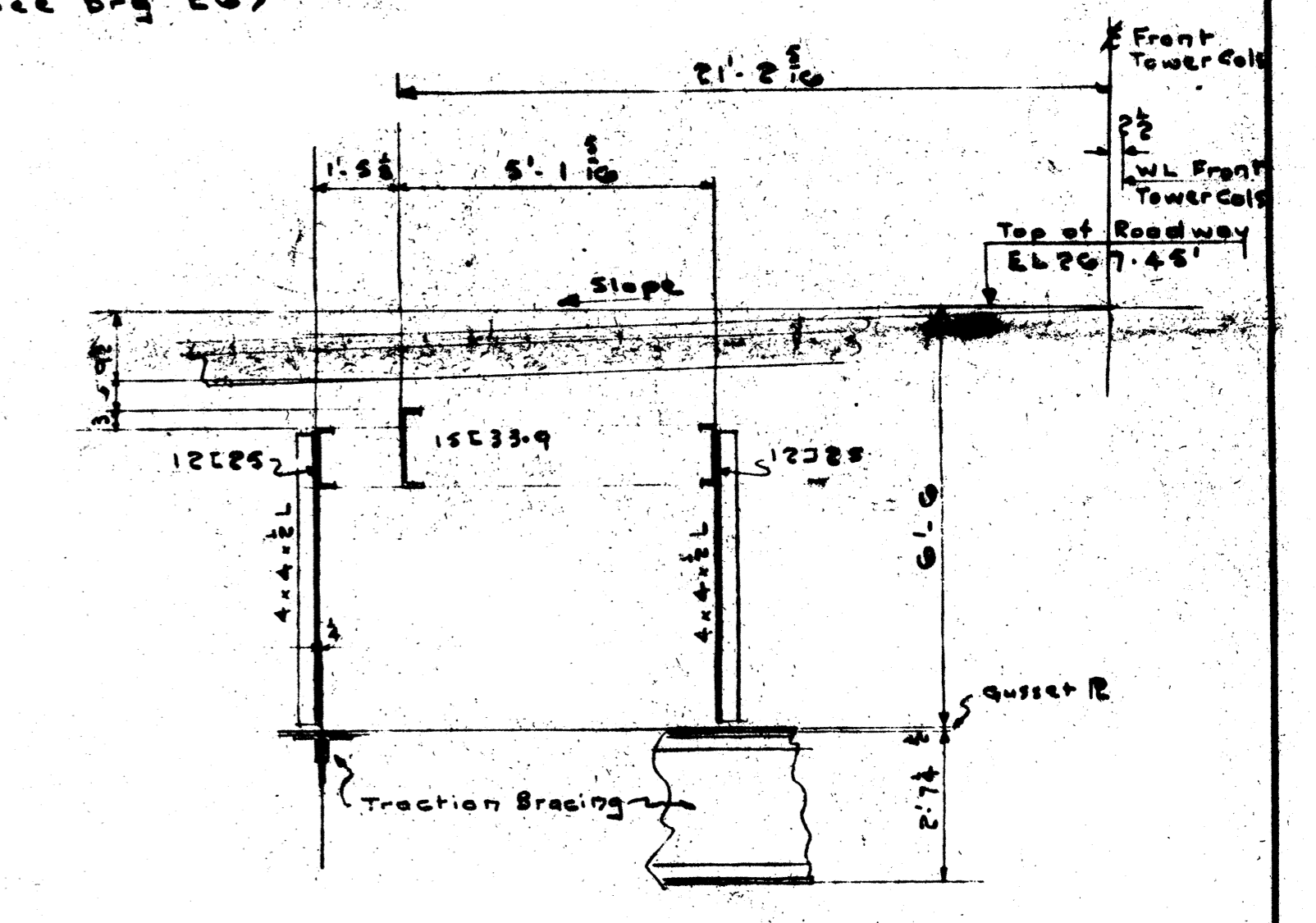
- SECTION 93-93 -
(See Drg EG)



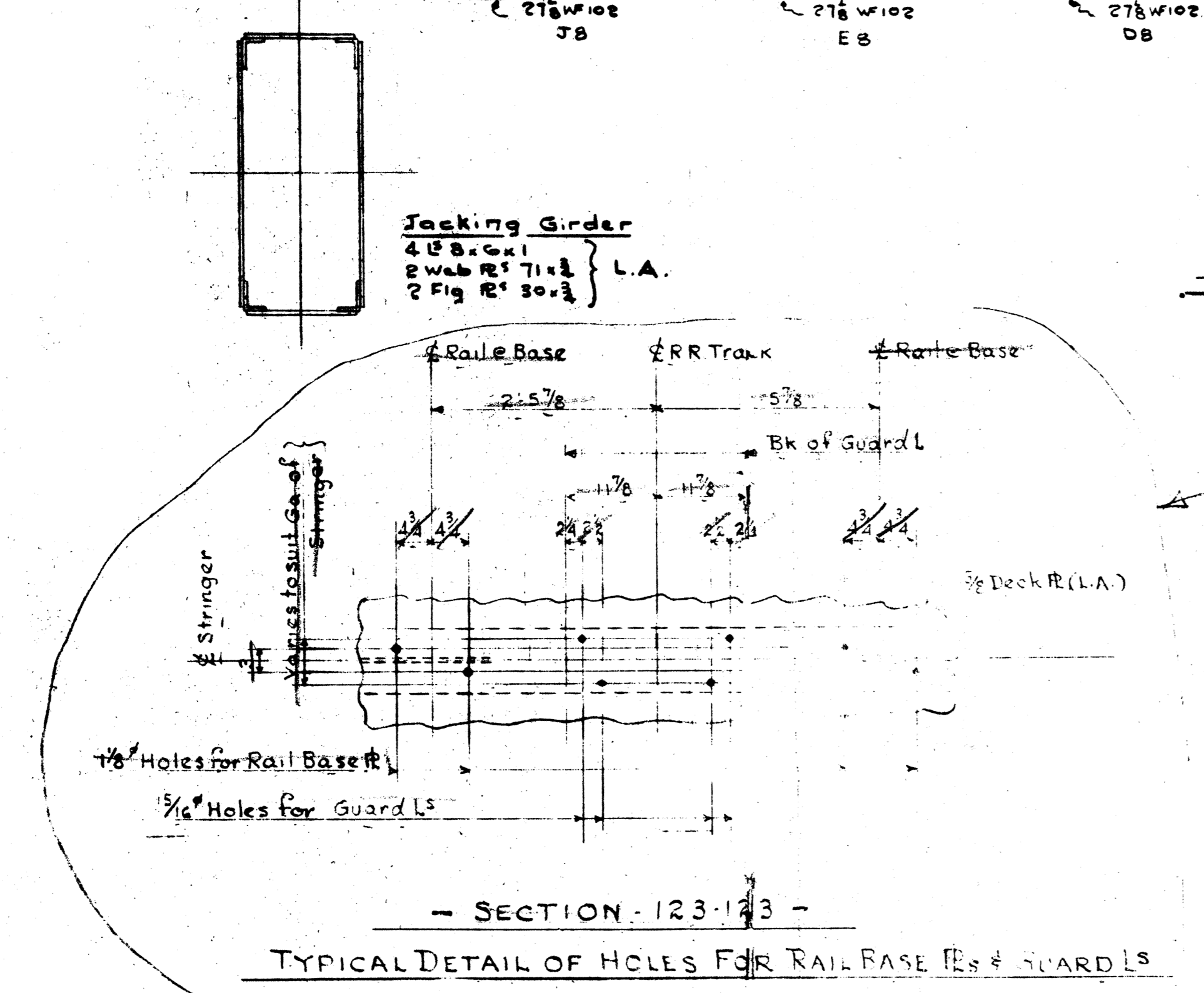
- SECTION 95-95 -
(See Drg EG)



- SECTION 94-94 -
(See Drg EG)



- SECTION 98-98 -
(See Drg EG)



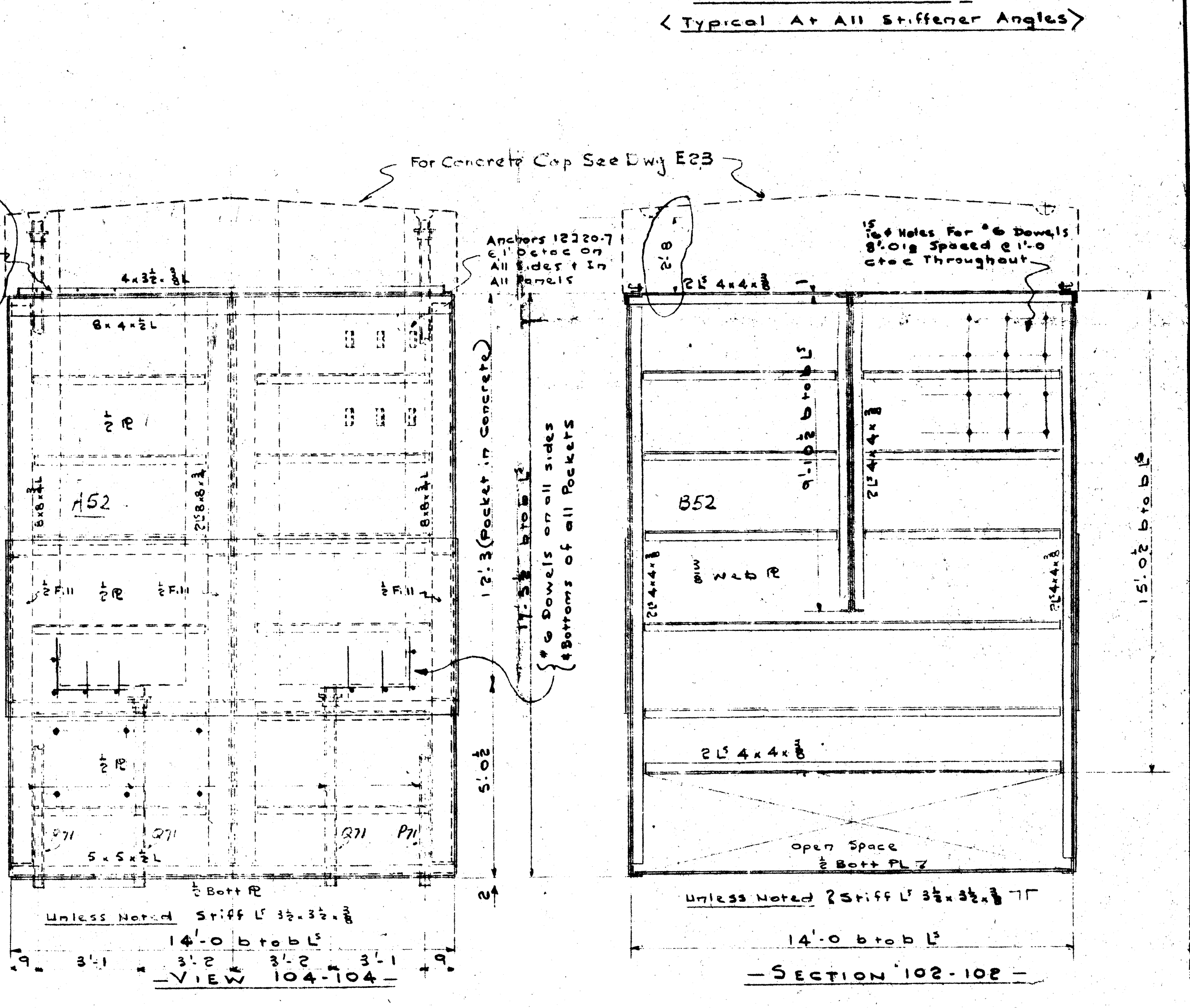
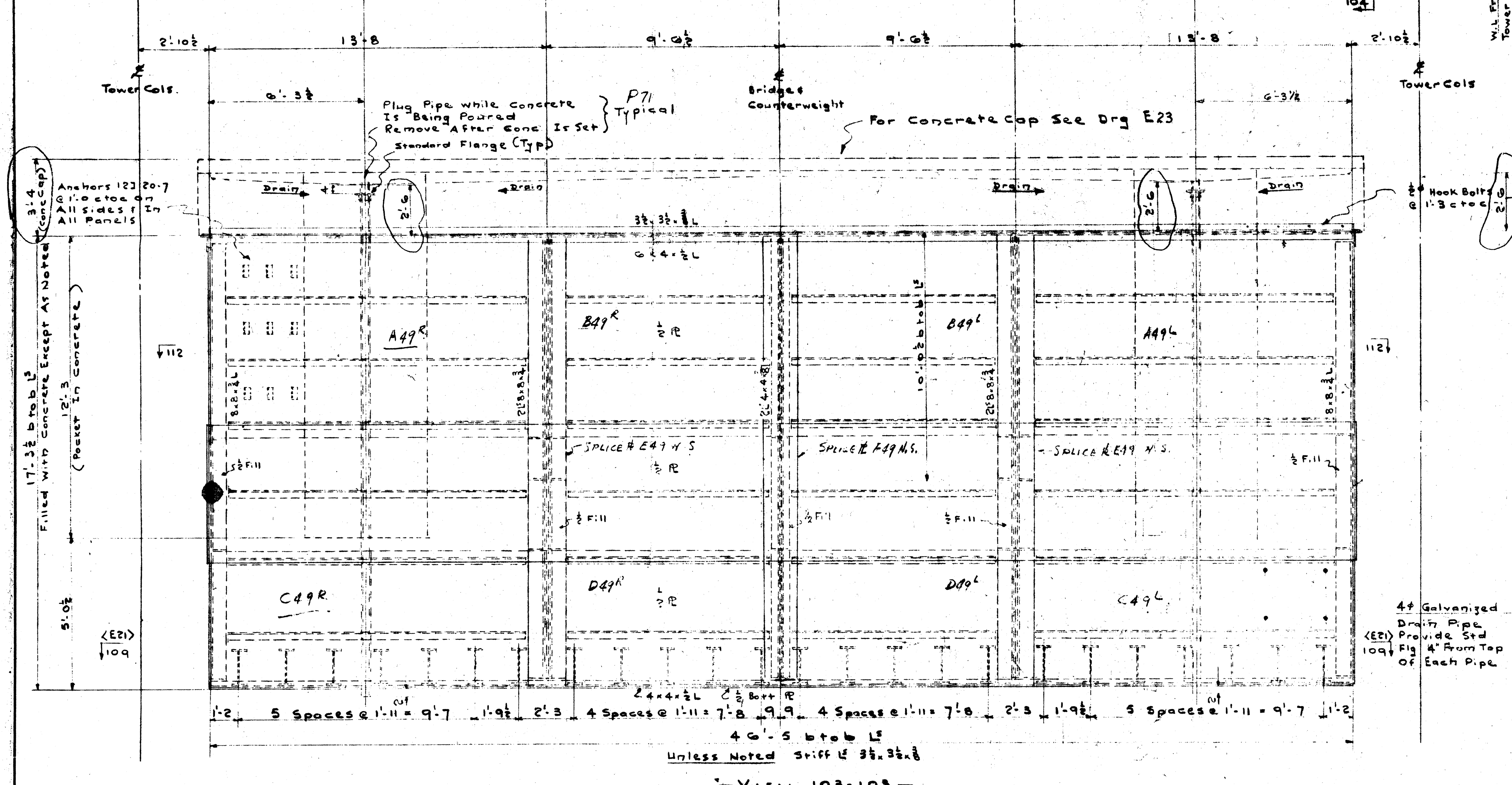
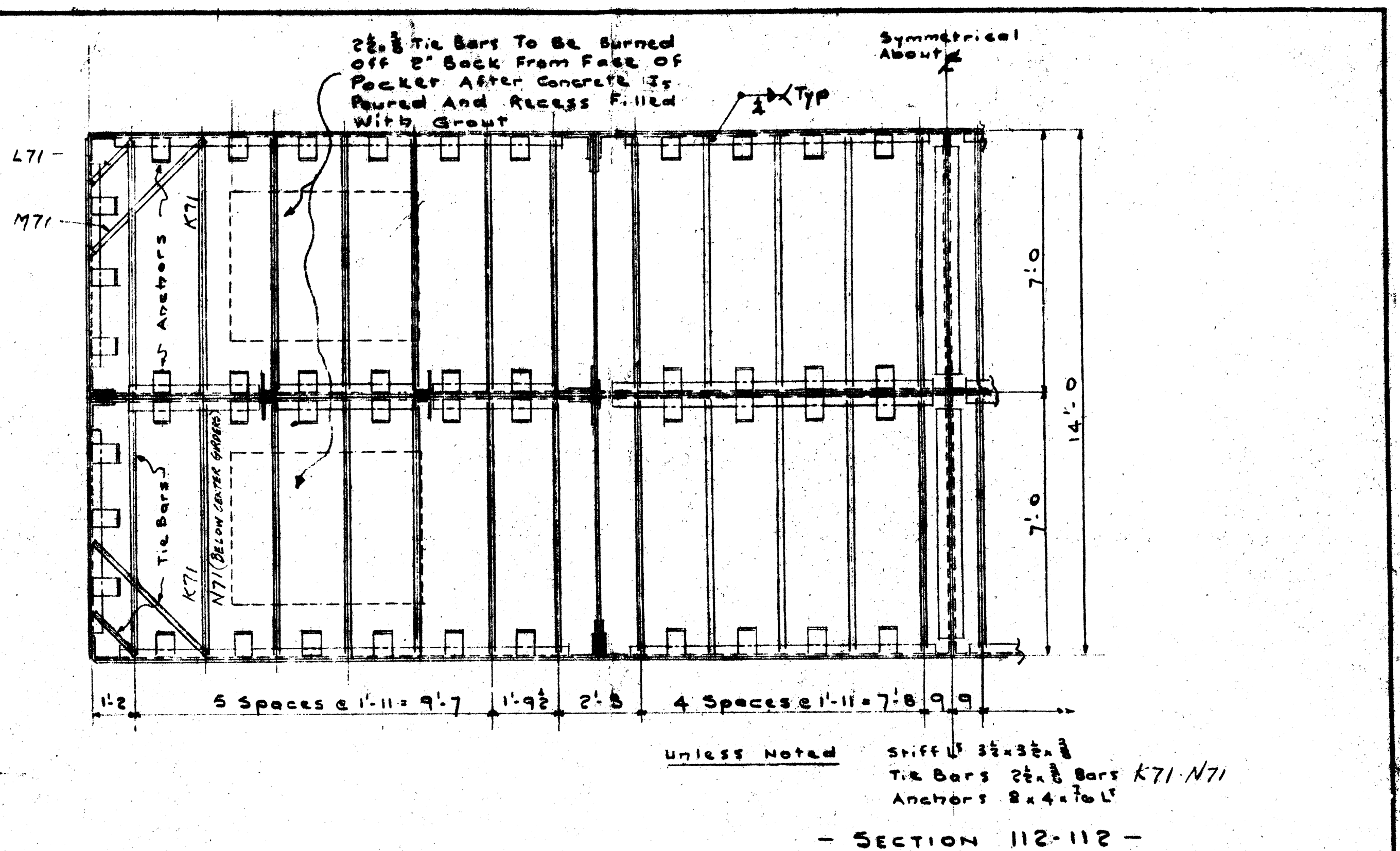
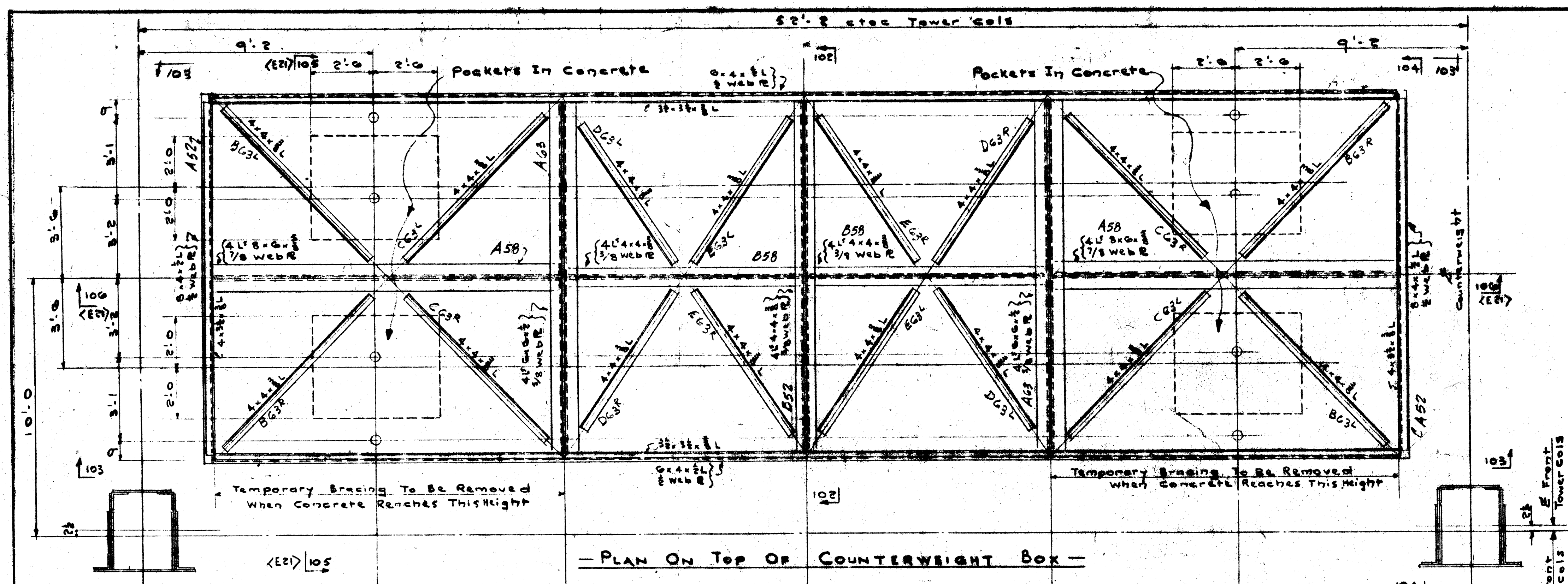
- SECTION 123-123 -
TYPICAL DETAIL OF HOLES FOR RAIL BASE FLANGES & GUARD RAILS

NOTES
All Mill Marked L.A. to be Low Alloy Steel
A.S.T.M. - A242-55

CONT. 9636-1-TN

RIVETS	NOTES	REVISED	CUSTOMER	DEPARTMENT of PUBLIC WORKS—CANADA
	OPEN HOLES	June 8/59		
PAINT	For General Notes See Drawing E1	June 22/59	DESIGNED BY	C. C. PARKER & ASSOCIATES LTD.
		LAST ASSEMBLY MARKED	TITLE OF DRAWING	Hamilton Tower Approach & Tower Spans Section 2
WELDING SPEC.			Bridge & Tank	
			Company of Canada Limited	
			HAMILTON BRIDGE DIVISION	HAMILTON, ONTARIO
			MADE BY	STARTED
			CHECKED	STARTED
			COMPLETED	WORK ORDER
				DRAWING

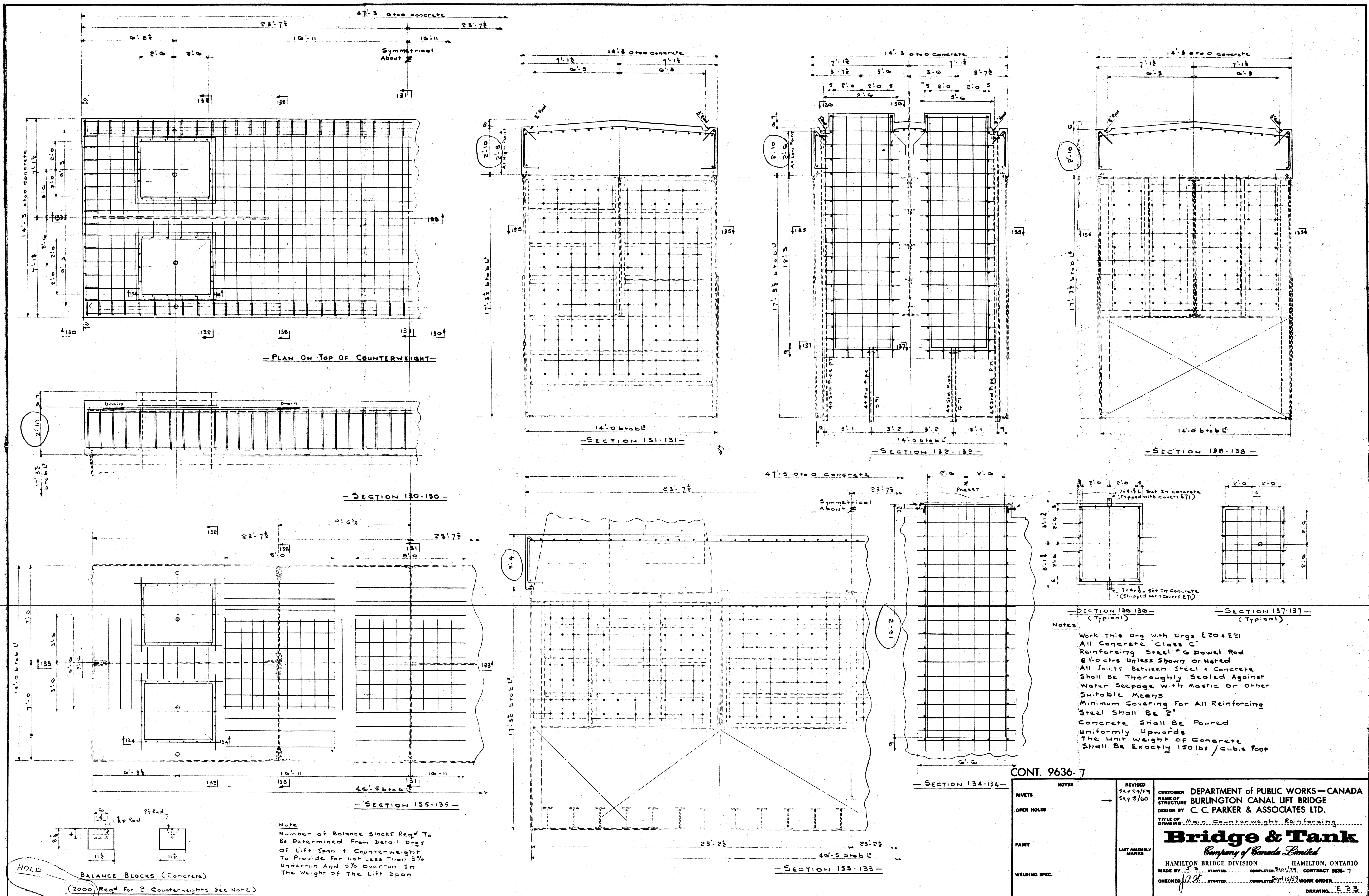
SHOP BILLS



- NOTES
- All Joints Between Steel and Concrete And Between Matting Steel To Be Thoroughly Sealed Against Water Seepage With Mastic or Other Suitable Means
 - Rivets 1/2" Except As Noted
 - Provide 1/2" Drain Holes In All Sides And Bottom Of Counterweight
 - Abt 3/2 Max Ctrs Both Ways
 - Drain Holes To Be Plugged Before Concrete Is Poured Plugs Removed After Concrete Has Set
 - Minimum Coverage of 2" for all Reinforcing Rods
 - Cwt Box To Be Filled With Class 'C' Concrete

CONT. 9636-1TN & CONT 9636-1TS

REVISIONS	NOTES	CUSTOMER	DEPARTMENT OF PUBLIC WORKS—CANADA
REVISED		NAME OF STRUCTURE	BURLINGTON CANAL LIFT BRIDGE
REVISED		DESIGN BY	C. C. PARKER & ASSOCIATES LTD.
REVISED		TITLE OF DRAWING	Main Counterweight North Tower
		Bridge & Tank	
		Company of Canada Limited	
		HAMILTON BRIDGE DIVISION	HAMILTON, ONTARIO
		MADE BY J.S.	STARTED
		CHECKED JAW	WORK ORDER
		DRAWING E 20	



— PLAN ON TOP OF COUNTERWEIGHT —

— SECTION 131-131 —

— SECTION 132-132 —

— SECTION 138-138 —

— SECTION 130-130 —

— SECTION 135-135 —

— SECTION 134-134 —

— SECTION 133-133 —

— SECTION 136-136 —
(Typical)

— SECTION 137-137 —
(Typical)

Notes:
 Work This Drg with Drgs E20 & E21
 All Concrete "Class C"
 Reinforcing Steel #6 Dowel Rod
 8' Otrs Unless Shown or Noted
 All Joints Between Steel & Concrete
 Shall Be Thoroughly Sealed Against
 Water Seepage with Mastic or Other
 Suitable Means
 Minimum Covering for All Reinforcing
 Steel Shall Be 2"
 Concrete Shall Be Poured
 Uniformly Upwards
 The Unit Weight of Concrete
 Shall Be Exactly 150 lbs / cubic foot

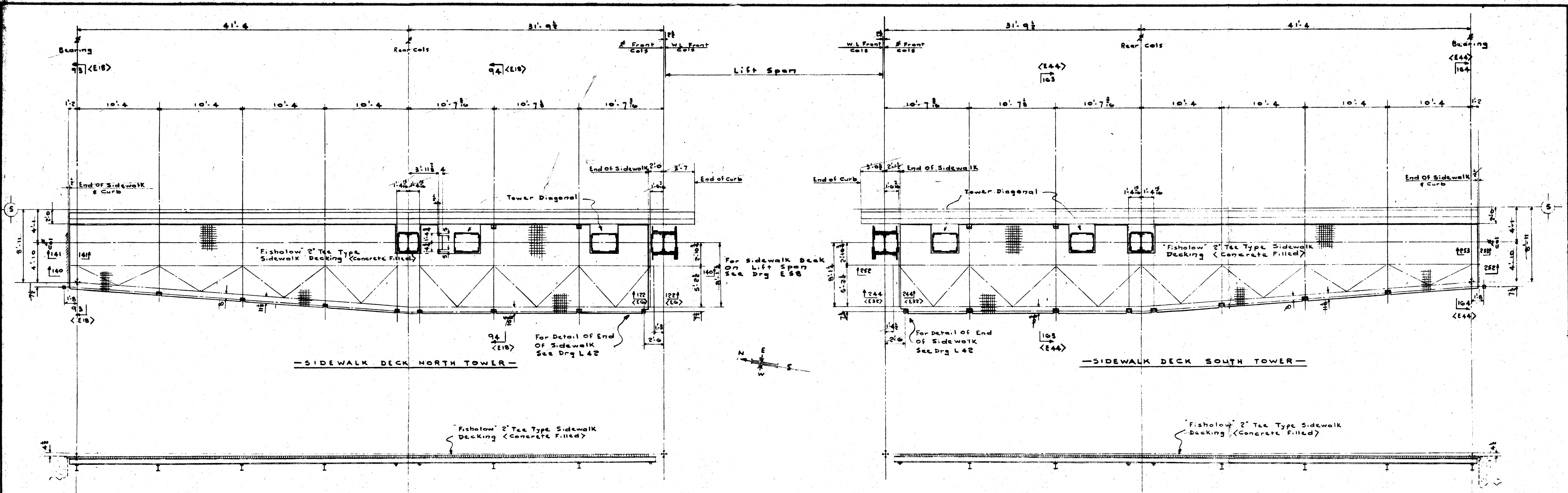
Note
 Number of Balance Blocks Req'd To
 Be Determined From Detail Drgs
 Of Lift Span & Counterweight
 To Provide for Not Less Than 3%
 Underrun And 5% Overrun in
 The Weight of The Lift Span

BALANCE BLOCKS (Concrete)
 (2000) Req'd For 2 Counterweights See Note

HOLD

CONT. 9636-7

RIVETS OPEN HOLES PAINT WELDING SPEC.	NOTES	REVISED Sep 24/59 Sep 8/60	CUSTOMER DEPARTMENT OF PUBLIC WORKS—CANADA NAME OF STRUCTURE BURLINGTON CANAL LIFT BRIDGE DESIGN BY C. C. PARKER & ASSOCIATES LTD. TITLE OF DRAWING Main Counterweight Reinforcing Bridge & Tank <i>Company of Canada Limited</i> HAMILTON BRIDGE DIVISION HAMILTON, ONTARIO MADE BY... STARTED... COMPLETED... CONTRACT 9636-7 CHECKED... STARTED... COMPLETED... WORK ORDER DRAWING... E 23
		LAST ASSEMBLY MARKS	



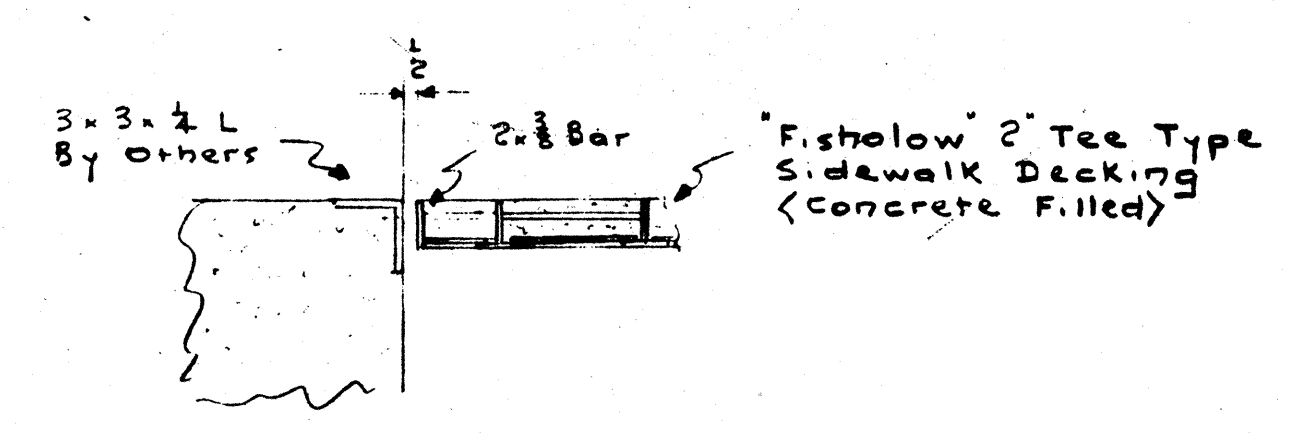
—SIDEWALK DECK NORTH TOWER—

—SIDEWALK DECK SOUTH TOWER—

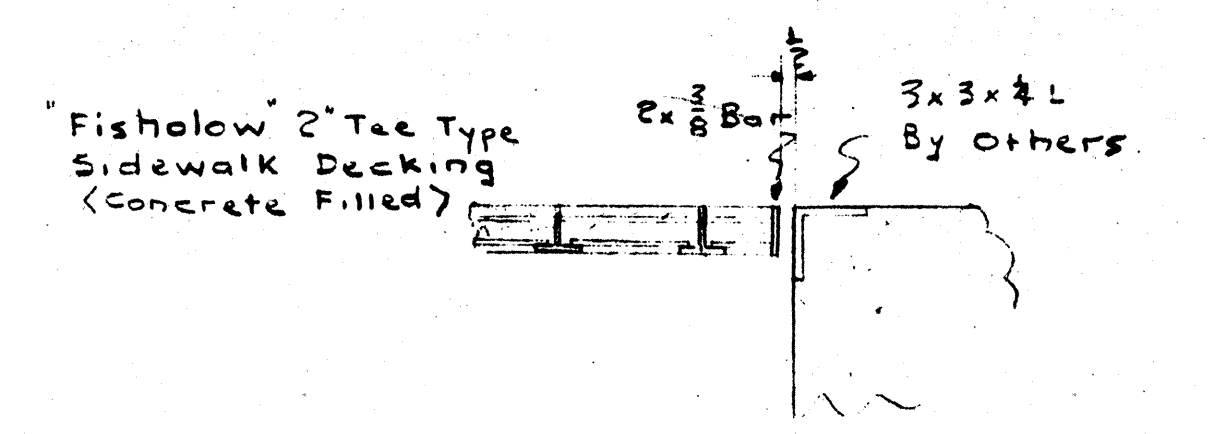
—SECTION 140-140—

—SECTION 252-252—

Note
 Sidewalk Decking To Be Notched
 To Clear Tower Members Guard
 Rail Posts Handrail Posts And
 Door Posts



SECTION 141-141

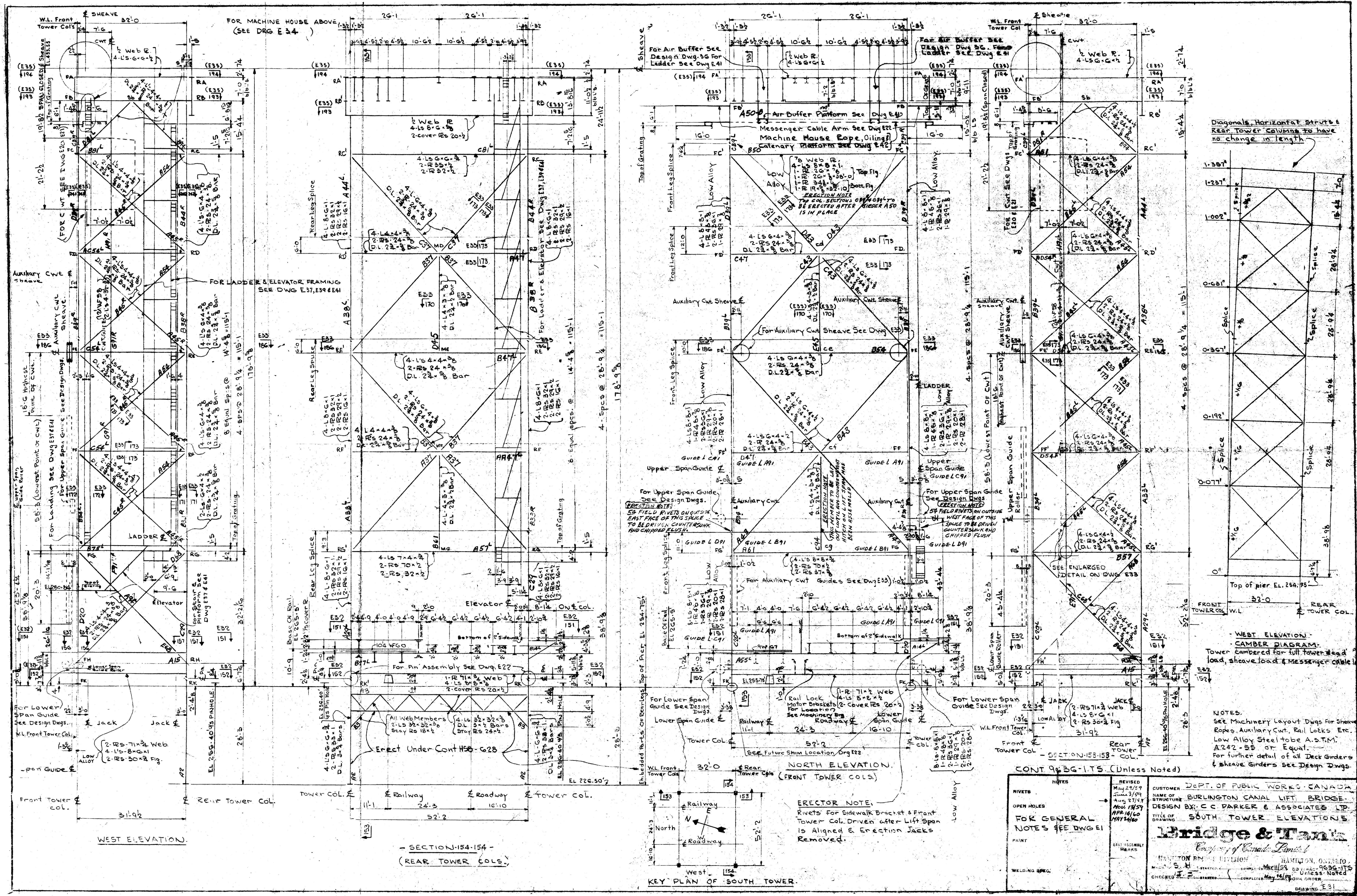


SECTION 253-253

SITS
 CONT. 9636 ITN

RIVETS OPEN HOLES PAINT WELDING SPEC.	NOTES For Notes See Drg E1	REVISED LAST ASSEMBLY MARKS	CUSTOMER DEPARTMENT OF PUBLIC WORKS—CANADA NAME OF STRUCTURE BURLINGTON CANAL LIFT BRIDGE DESIGN BY C. C. PARKER & ASSOCIATES LTD. TITLE OF DRAWING Tower Spans Sidewalk Deck Bridge & Tank <i>Company of Canada Limited</i> HAMILTON BRIDGE DIVISION HAMILTON, ONTARIO MADE BY [Signature] STARTED [Date] COMPLETED [Date] CONTRACT 9636 ITN CHECKED [Signature] STARTED [Date] COMPLETED [Date] WORK ORDER [Number] DRAWING E 24
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SHOP BILL



Diagonals, Horizontal Struts & Rear Tower Columns to have no change in length

WEST ELEVATION - CAMBER DIAGRAM - Tower cambered for full tower load, sheave load & messenger cable

NOTES:
 See Machinery Layout Dwg for Sheave Ropes, Auxiliary Cwt, Rail Locks Etc.
 Low Alloy Steel to be A.S.T.M. A242-55 or Equal.
 For further detail of all Deck Girders & Sheave Girders See Design Dwg.

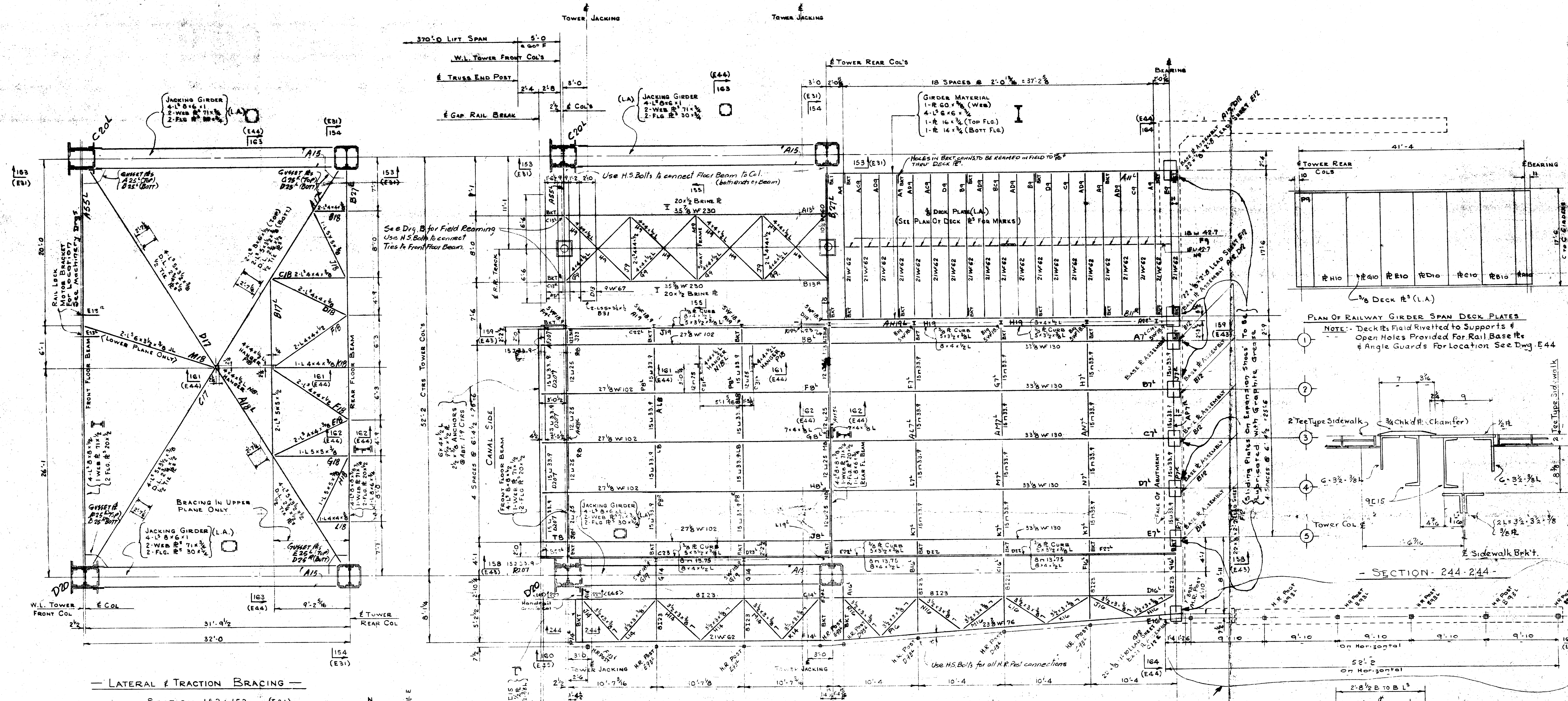
ERECTOR NOTE:
 Rivets for Sidewalk Bracket & Front Tower Col. Driven after Lift Span is Aligned & Erection Jacks Is Aligned.

<p>REVISIONS</p> <p>REVISED: 2/27/59 3/10/59 4/27/59 5/14/59 6/16/60 7/14/60</p>	<p>REVISIONS</p> <p>REVISED: 2/27/59 3/10/59 4/27/59 5/14/59 6/16/60 7/14/60</p>	<p>CUSTOMER: DEPT. OF PUBLIC WORKS - CANADA</p> <p>NAME OF STRUCTURE: BURLINGTON CANAL LIFT BRIDGE</p> <p>DESIGN BY: C. C. PARKER & ASSOCIATES LTD.</p> <p>TITLE OF DRAWING: SOUTH TOWER ELEVATIONS</p> <p>Bridge & Tank <i>Engineering of Canada Limited</i></p> <p>HAMILTON BRIDGE DIVISION HAMILTON, ONTARIO</p> <p>5. H. PARKER, CHIEF ENGINEER J. C. PARKER, ENGINEER C. C. PARKER, ENGINEER</p> <p>CHECKED: [Signature] DATE: [Date]</p> <p>DRAWING: E-31</p>
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KEY PLAN OF SOUTH TOWER

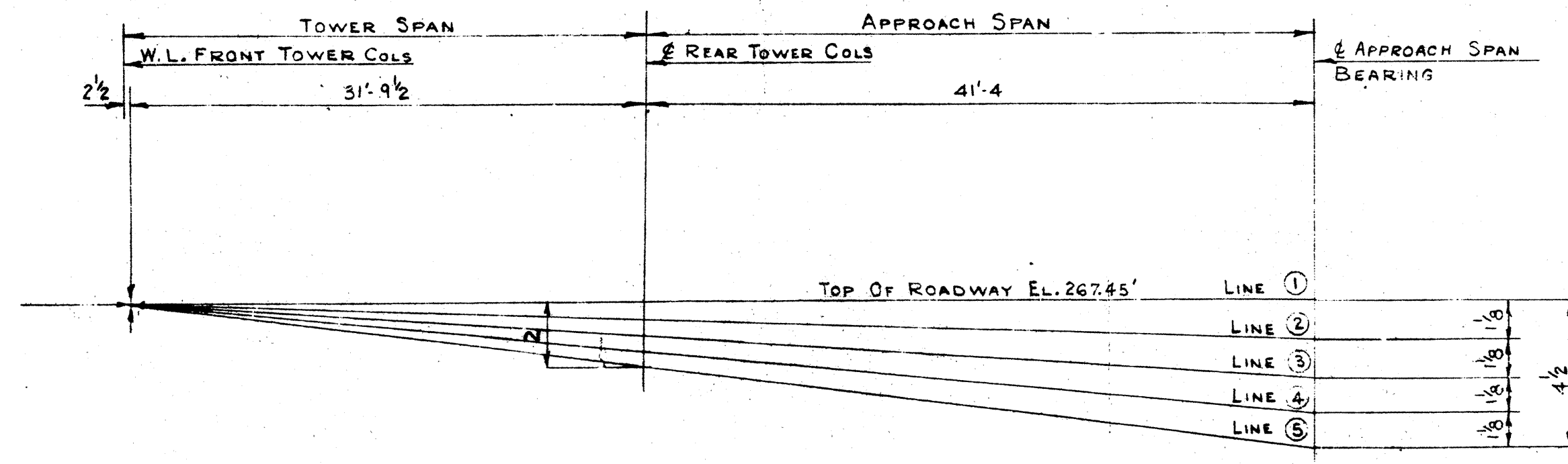
SECTION 154-154 (REAR TOWER COLS.)

WEST ELEVATION



— LATERAL & TRACTION BRACING —
— SECTION 152-152 — (E31)

ERECTION NOTE
FRONT FLOOR BEAM TO BE BLOCKED UP HIGH ENOUGH SO THAT WHEN COLUMNS D10 & C10 ARE CONNECTED TO ITS ENDS, THE ROCKER SLABS ON BOTTOM OF COLUMNS WILL CLEAR THE BOLLS IN BASE OF C10 GIR AND C10 COMPLETELY. BOLT FRONT FLOOR BEAM TO COLUMNS WITH H.S. BOLTS AND JACK DOWN IN PLACE. ERECT BOTTOM SECTION OF REAR COLUMNS AND REAR FLOOR BEAM AND BOLT COMPLETELY WITH H.S. BOLTS. ERECT JACKING GIRDERS.

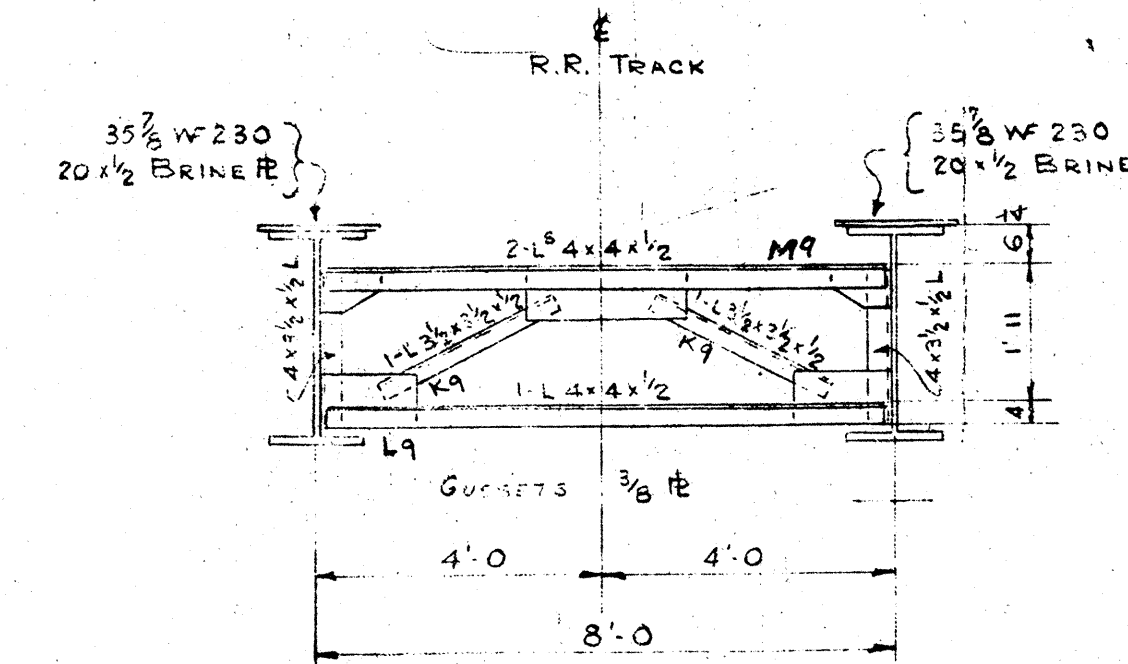


— ROADWAY ELEVATIONS FOR APPROACH SPAN & TOWER SPAN —

NOTES:
ALL MAT'L MARKED L.A. TO BE LOW ALLOY STEEL
A.S.T.M. - A242-55 OR EQUAL
SEE DESIGN DRG'S FOR FLOOR BEAMS, RAILWAY GIRDERS
B.R. ASSEMBLIES, SHOES, FIRED JOINT ETC.

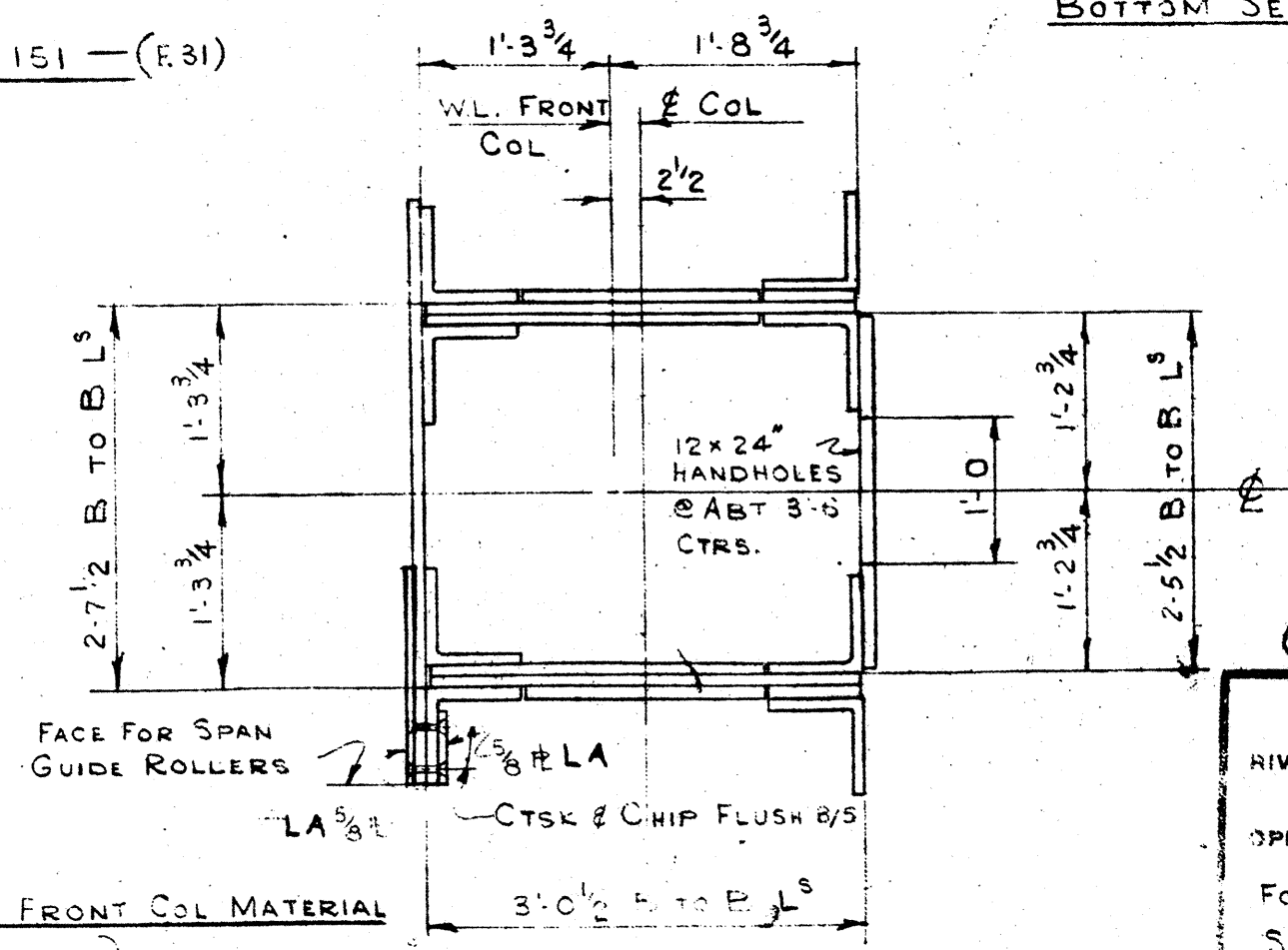
— TOWER SPAN —
— SECTION 151-151 — (E31)

BOLTS FOR SIDEWALK BRKT & FRONT TOWER COL. DRIVEN AFTER LIFT SPAN IS ALIGNED & ERECTION JACKS REMOVED.



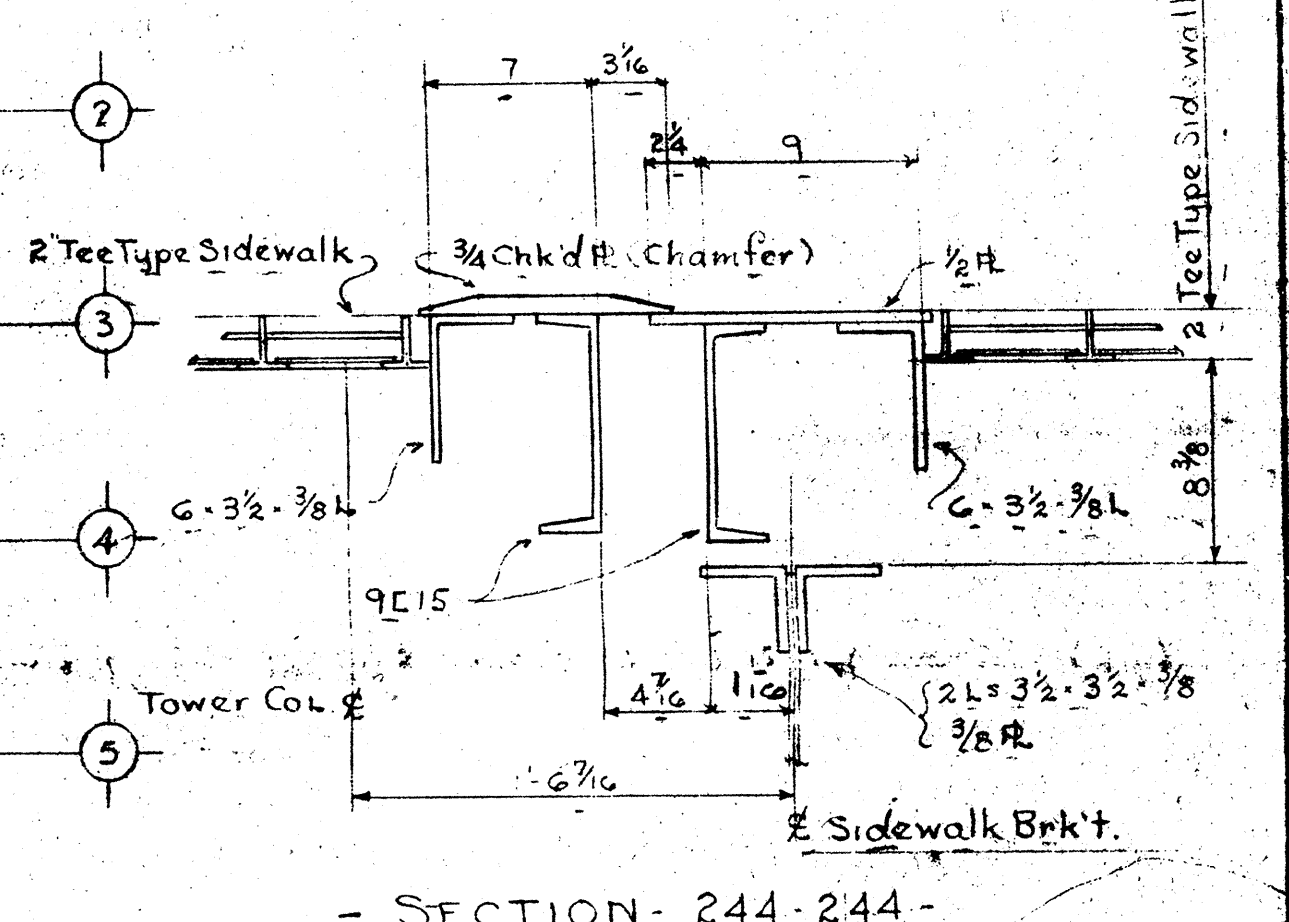
— SECTION 155-155 —

— APPROACH SPAN —

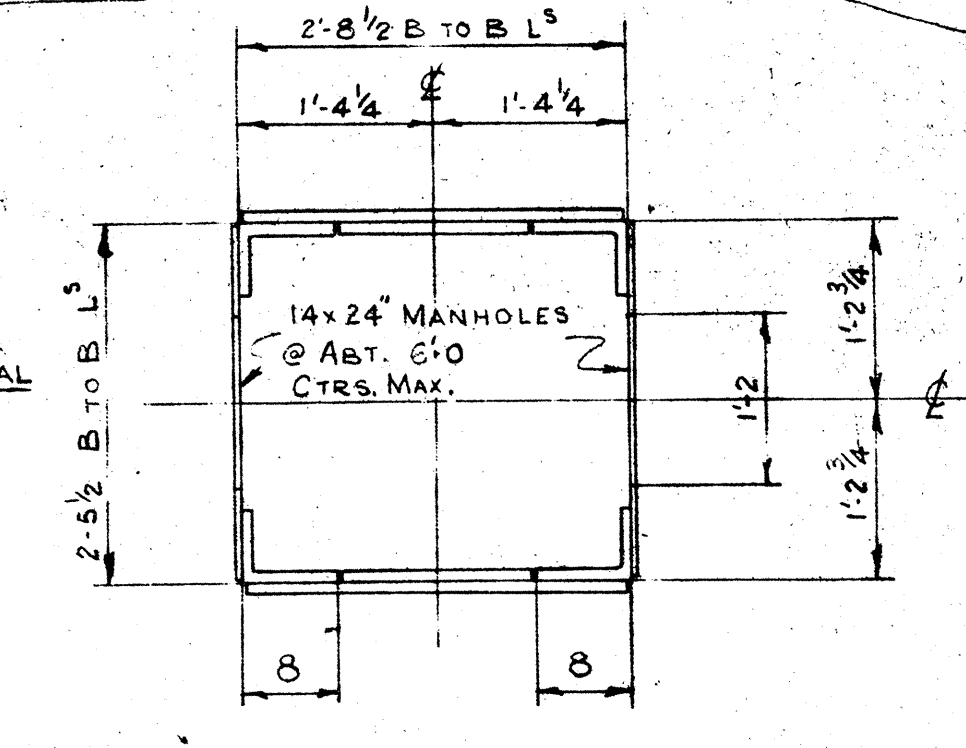


— SECTION 156-156 — (E31)

PLAN OF RAILWAY GIRDER SPAN DECK PLATES
NOTE: Deck Pl. Field Riveted to Supports & Open Holes Provided For Rail Base Pl. & Angle Guards For Location See Dwg. E44



— SECTION 244-244 —



— SECTION 157-157 — (E31)

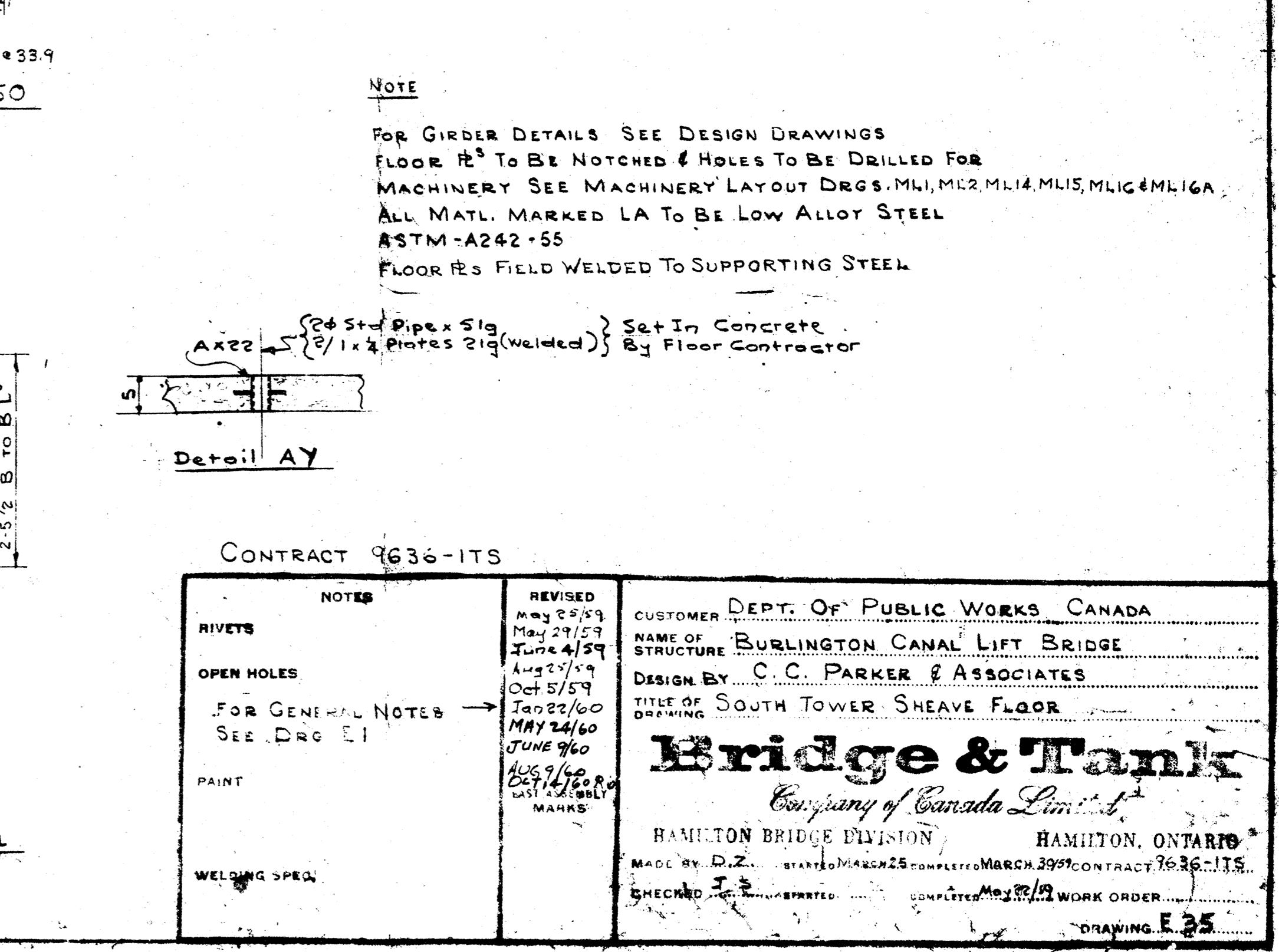
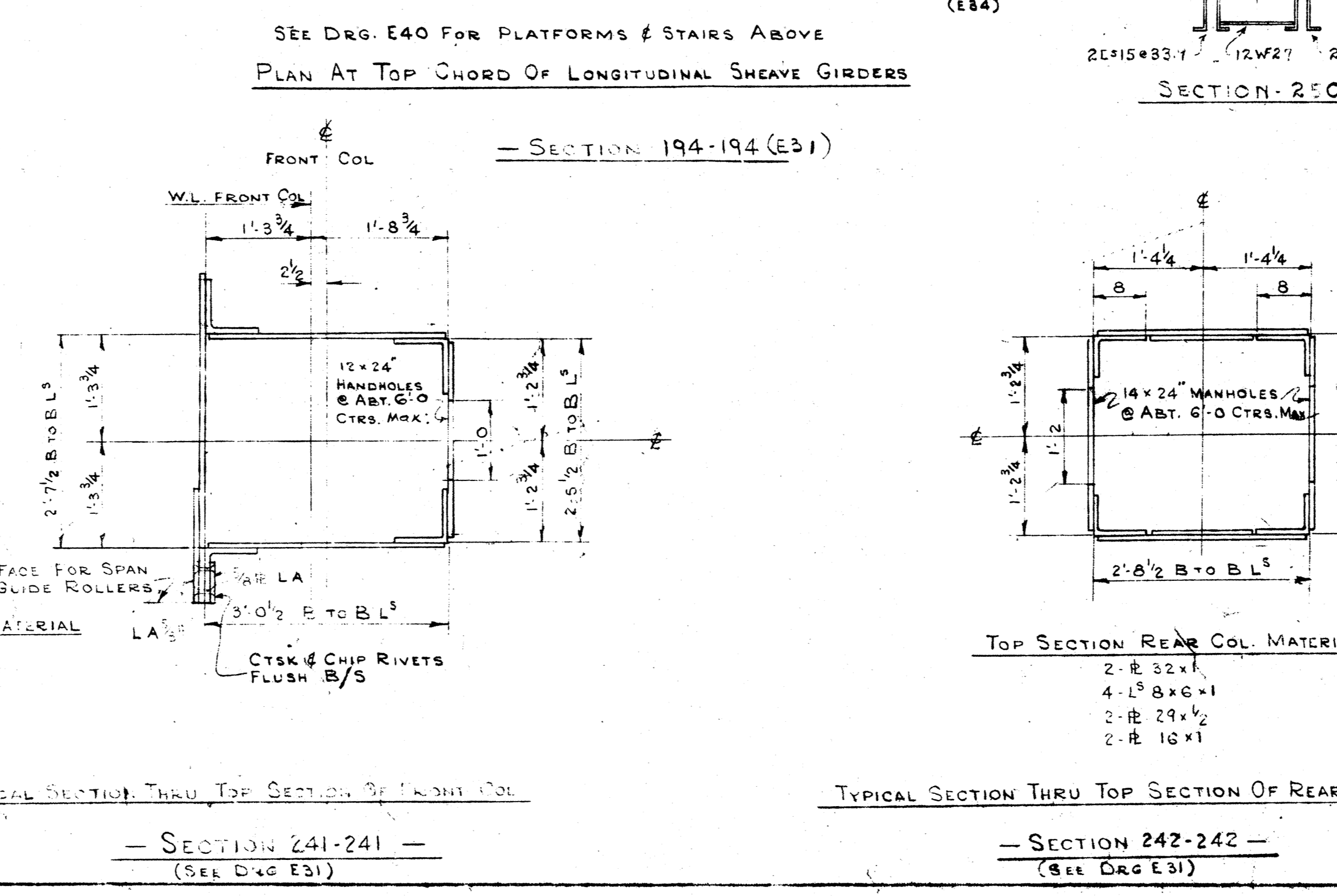
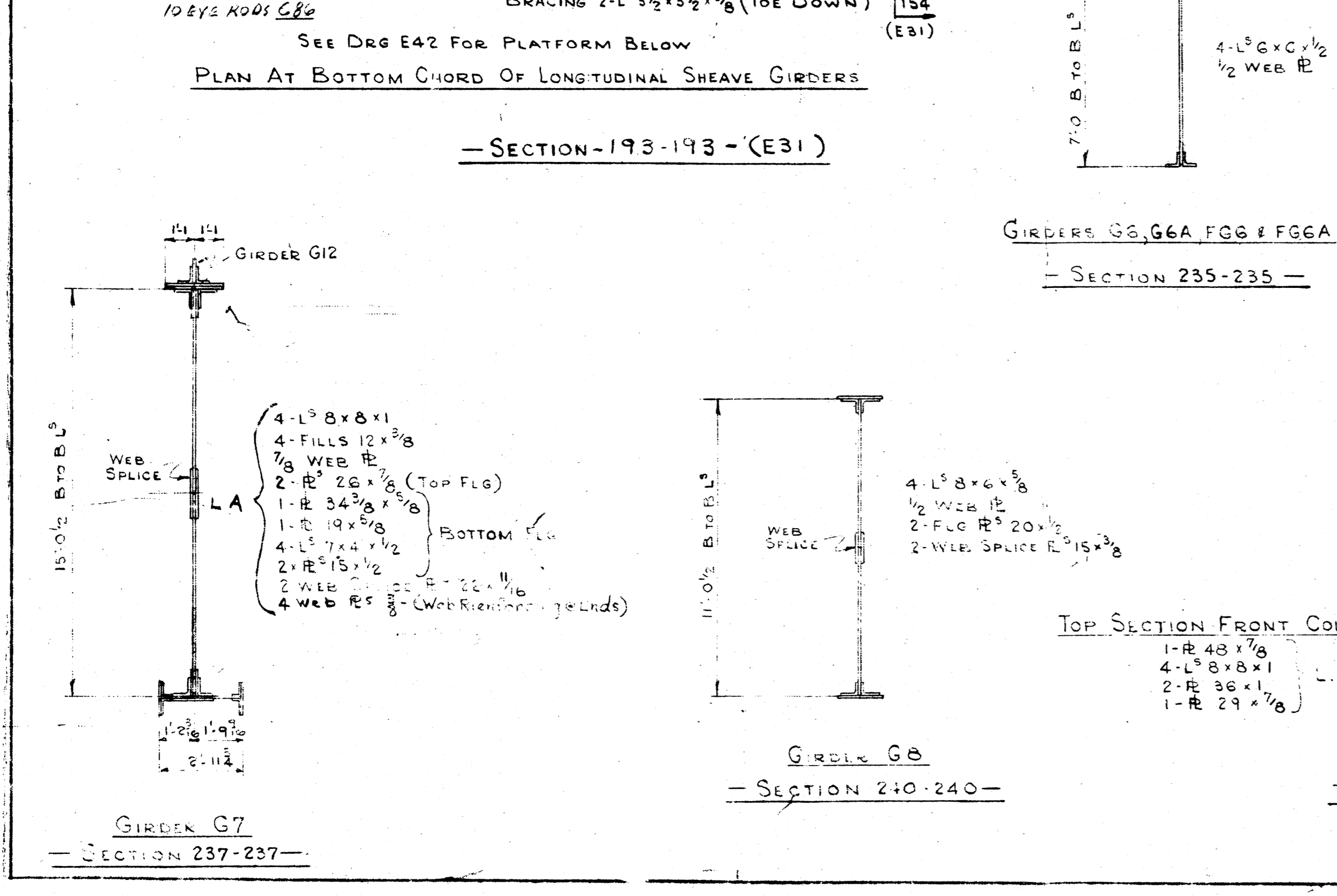
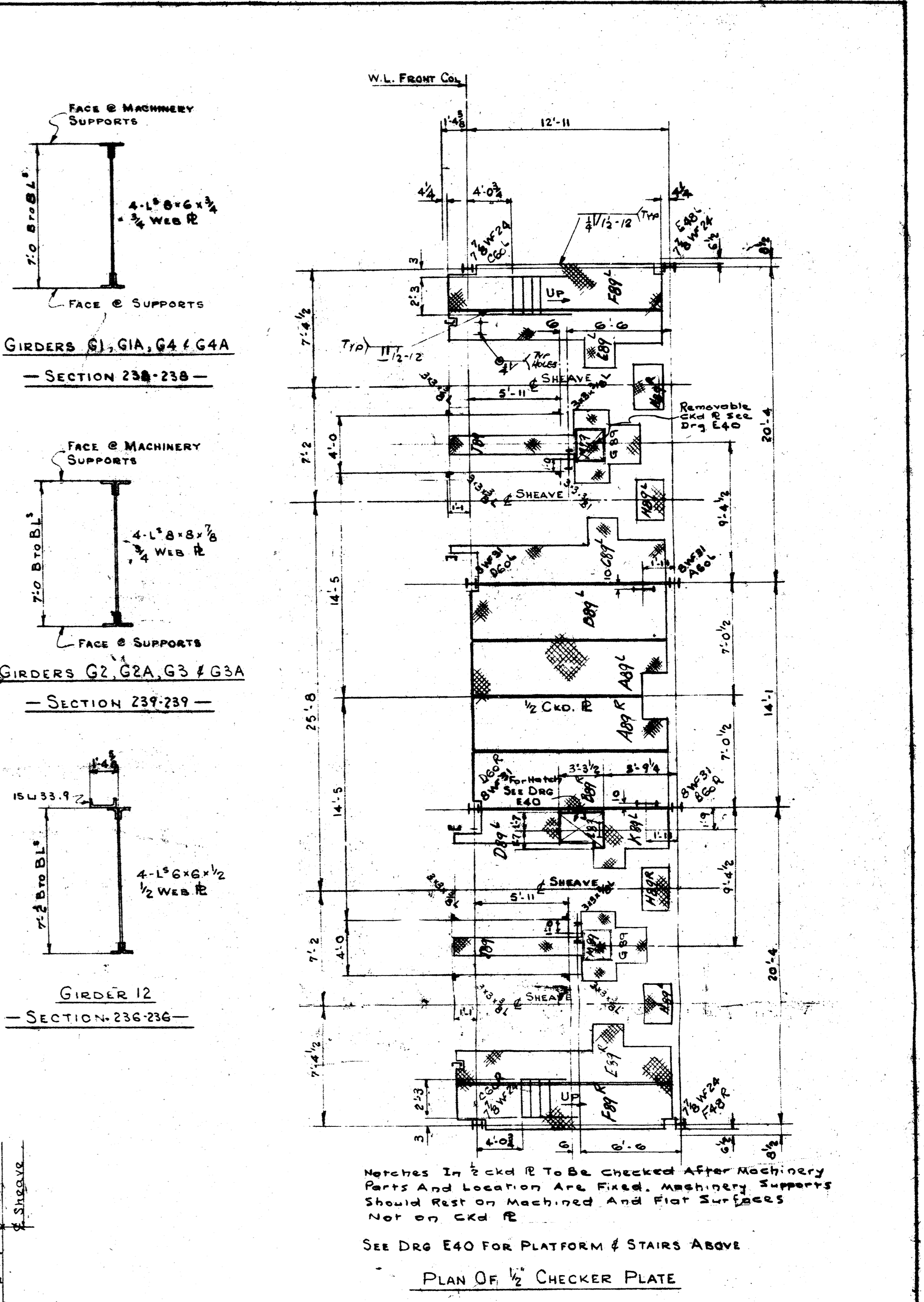
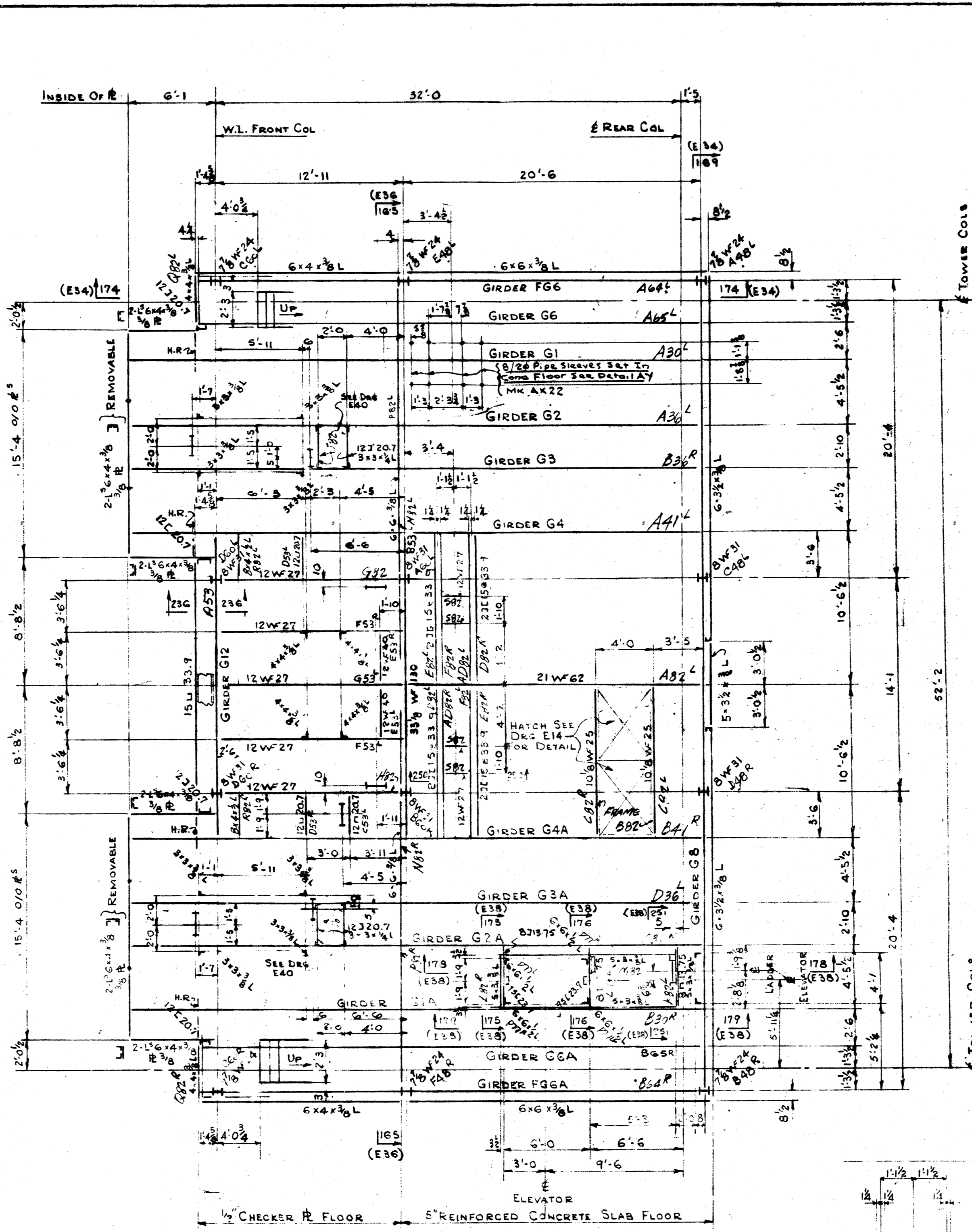
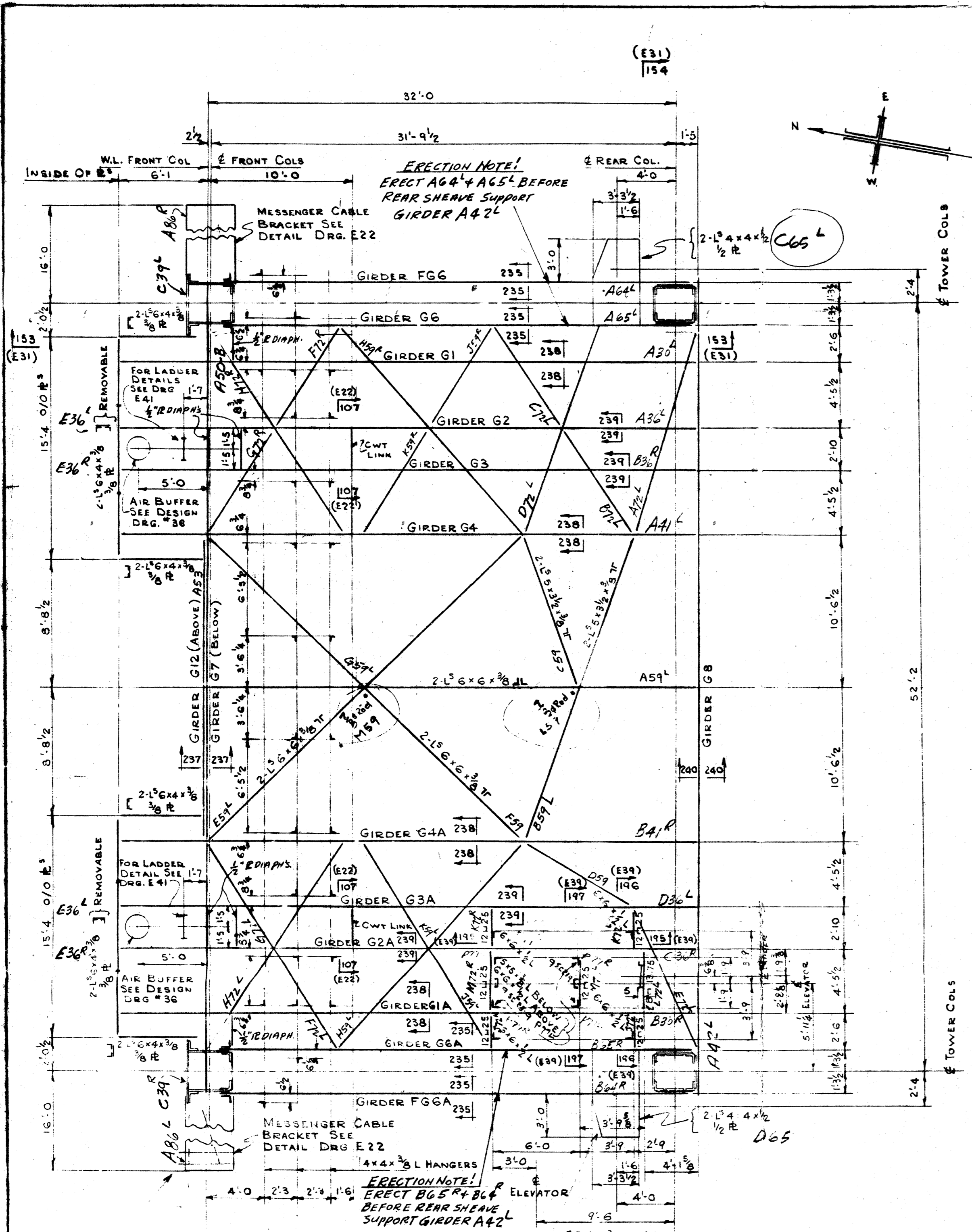
CONT. 9636-ITS

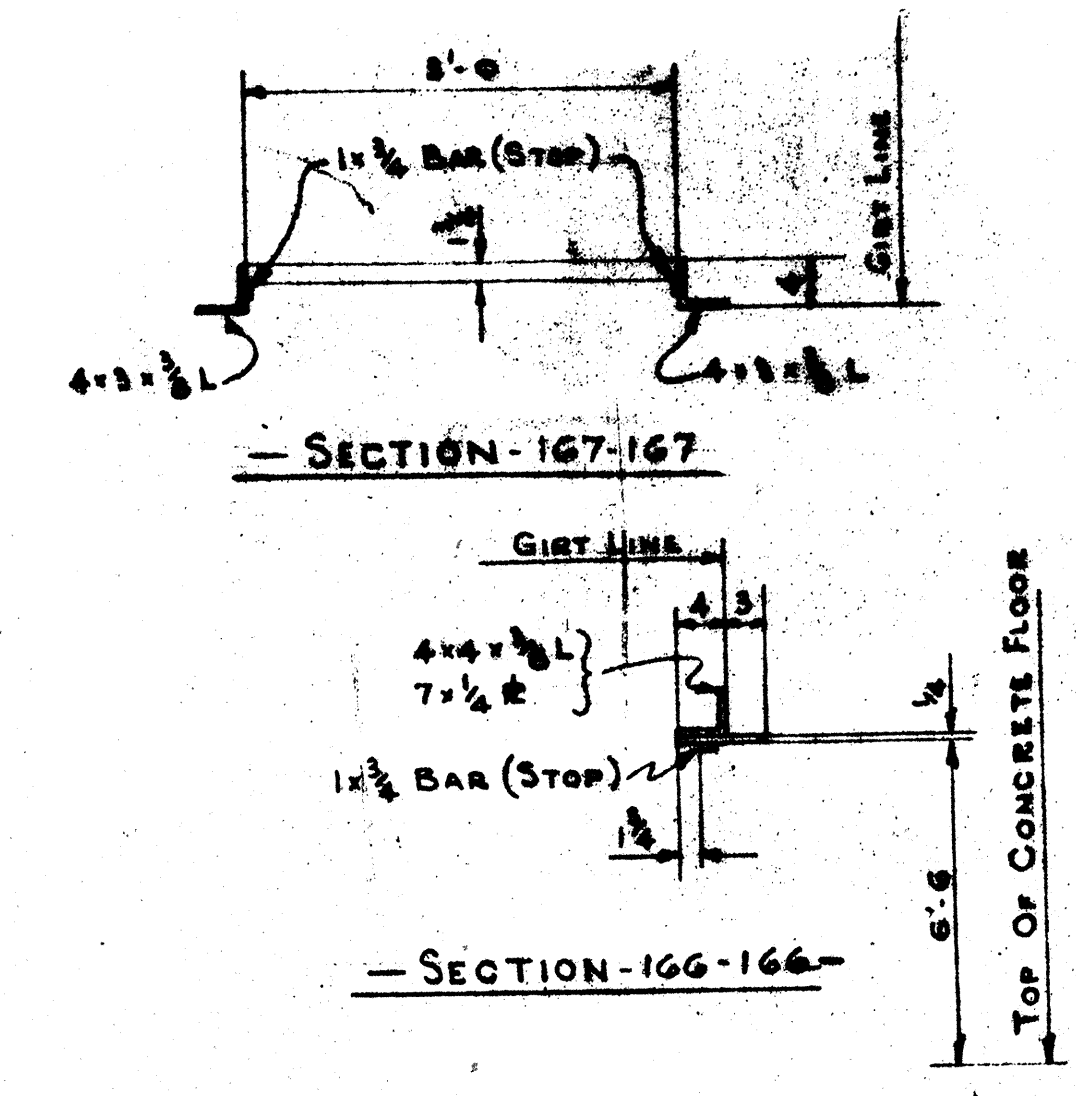
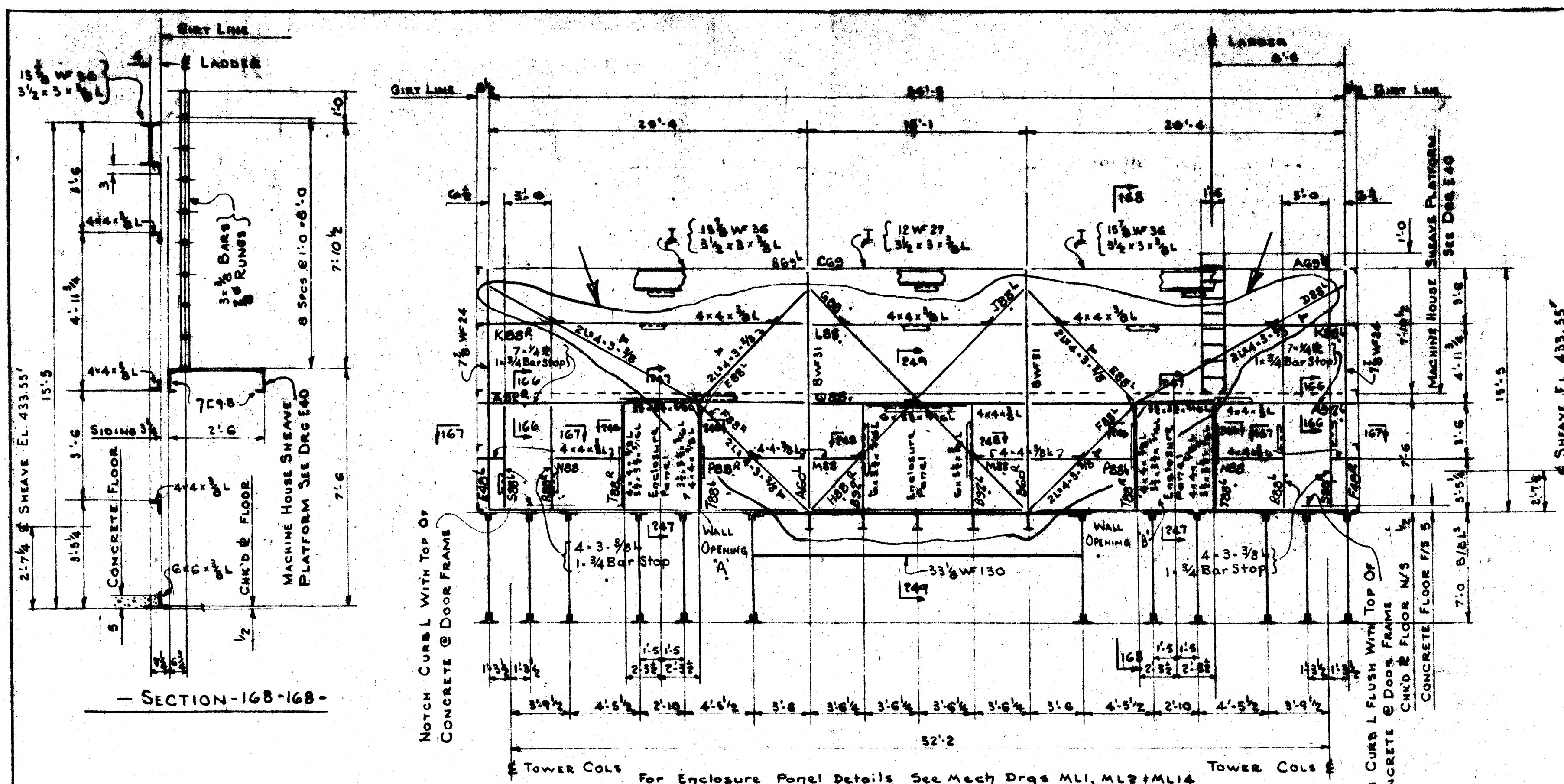
NOTES	REVISED	DATE	BY
RIVETS	June 23/59		
OPEN HOLES	June 23/59		
FOR GENERAL NOTES	Aug 20/59		
SEE DWG. E			
PAINT			
WELDING SPEC			

OWNER: DEPT. OF PUBLIC WORKS - CANADA
PROJECT: BURLINGTON CANAL LIFT BRIDGE
DESIGN BY: C.C. PARKER & ASSOCIATES
TYPE OF DRAWING: SOUTH TOWER APPROACH & TOWER FLOOR BEAMS
DRAWING

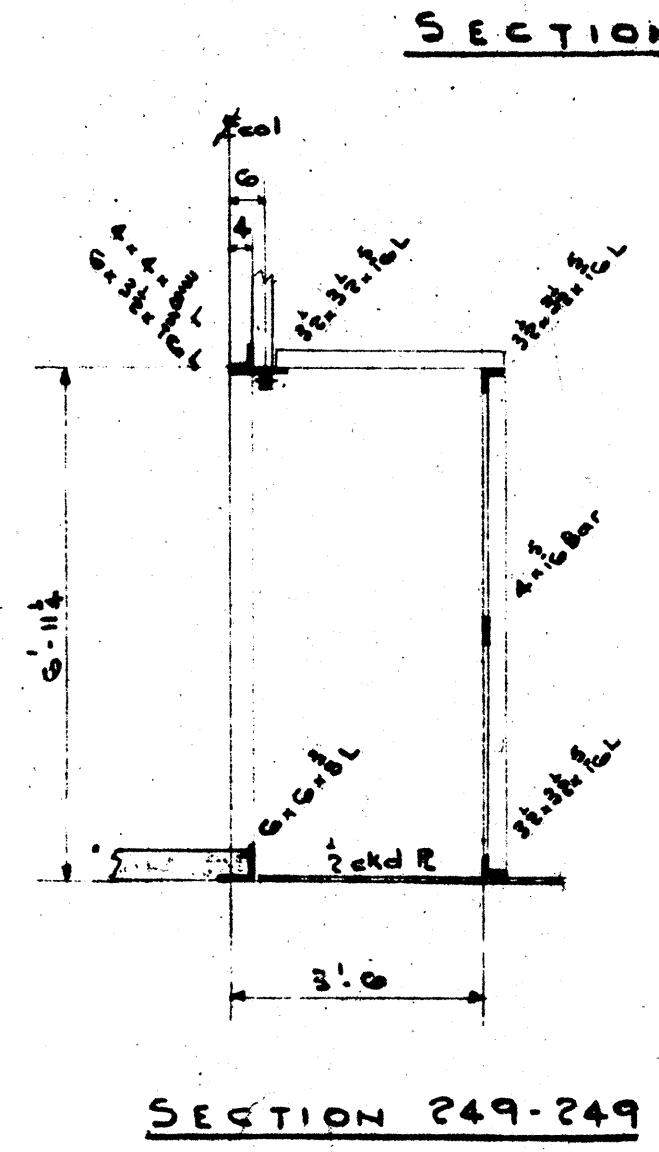
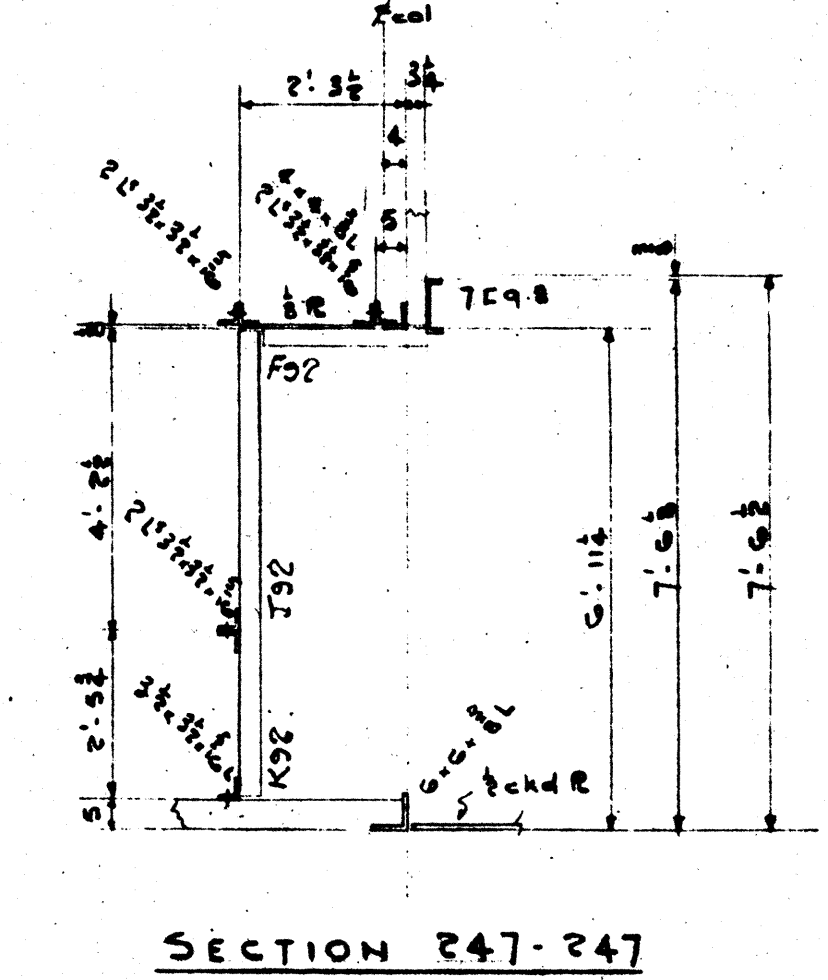
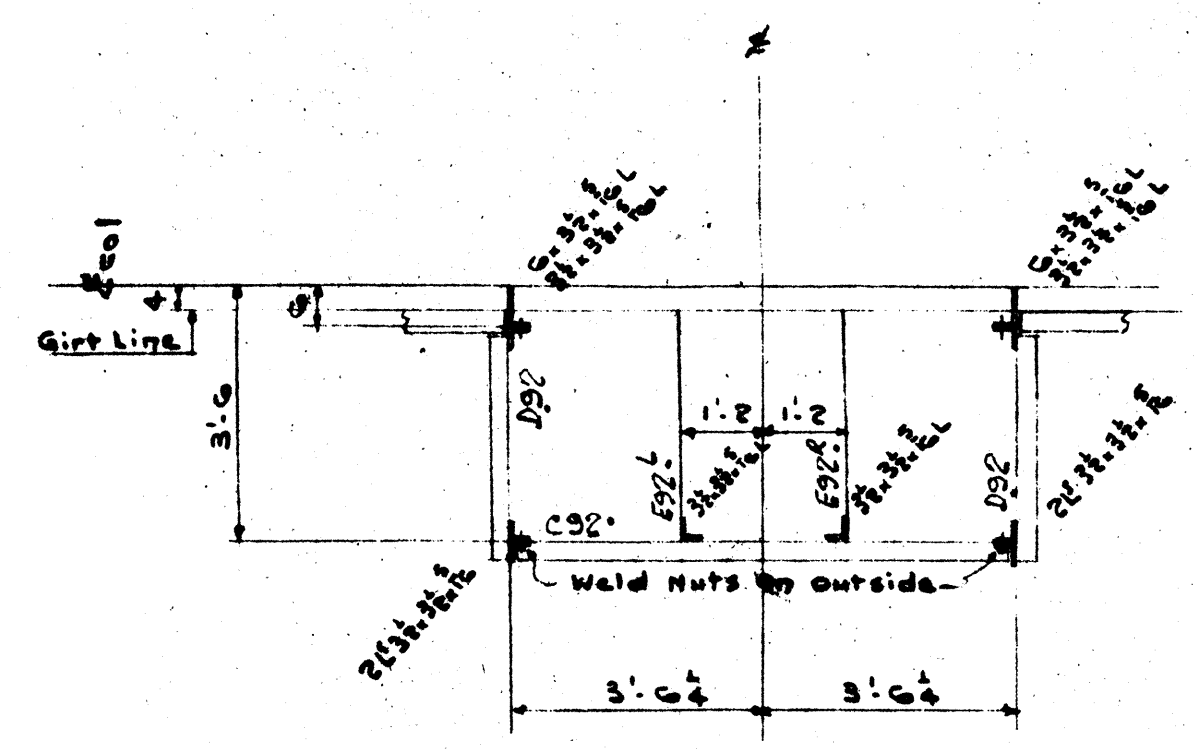
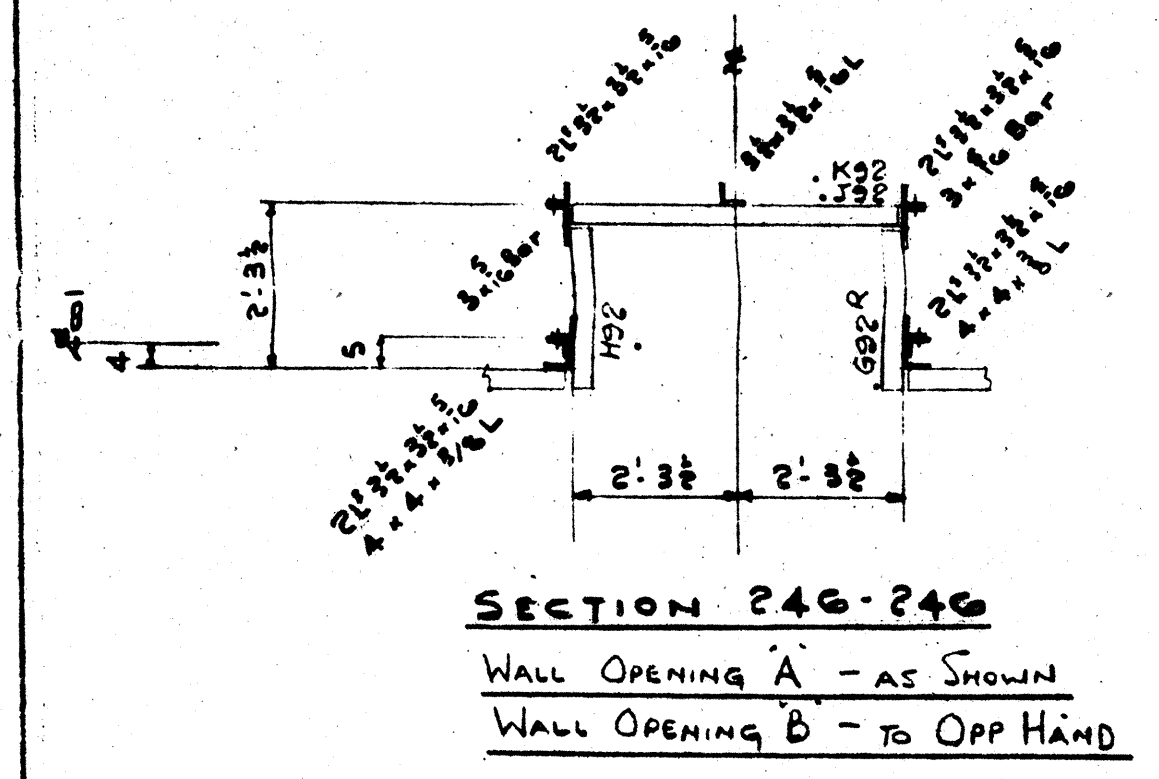
Bridge & Plan
Civil & Mechanical
100 KING ST. W. TORONTO, ONTARIO
D.Z. JUN 23 1959
AW

DRAWING E 92



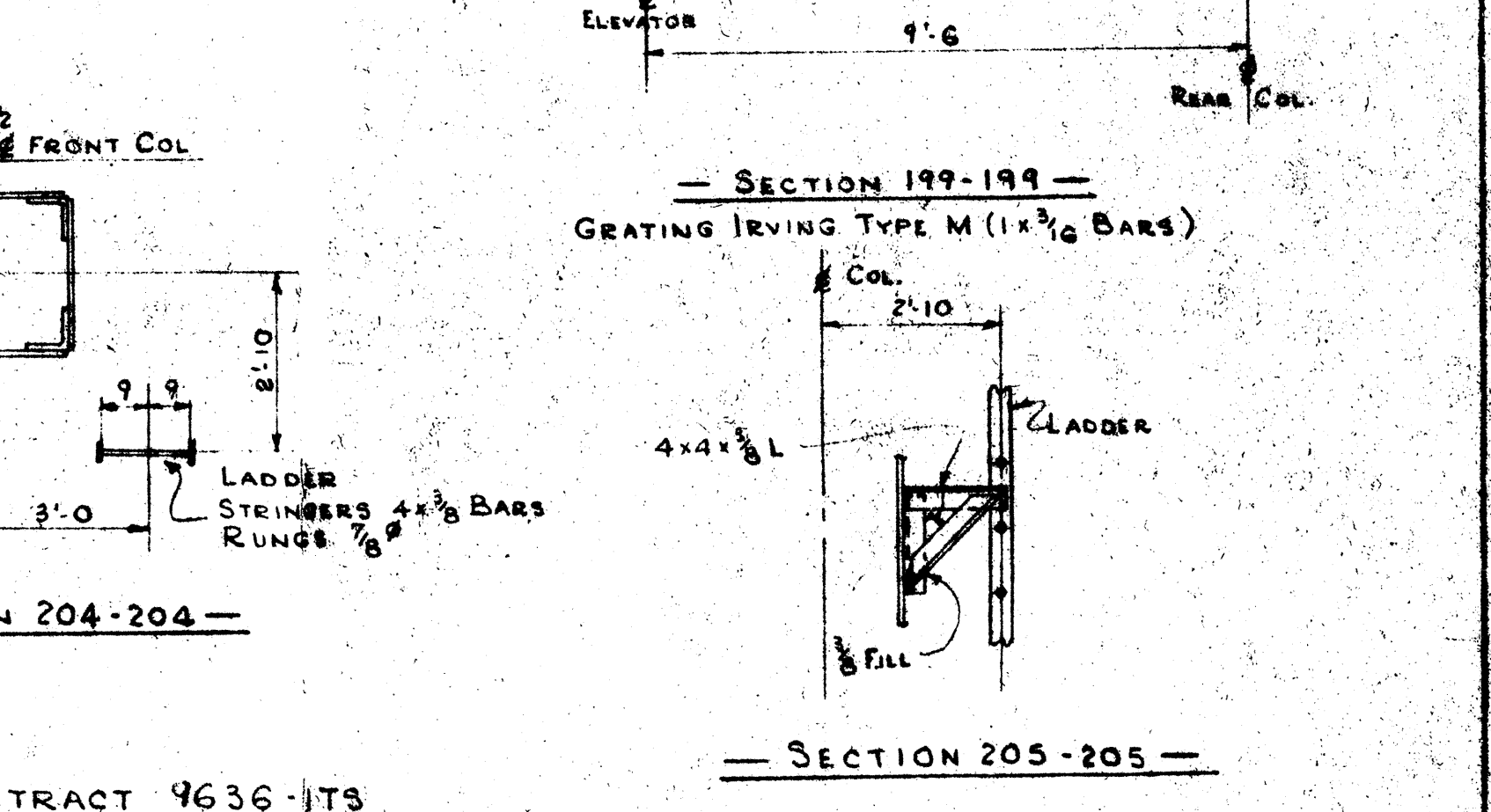
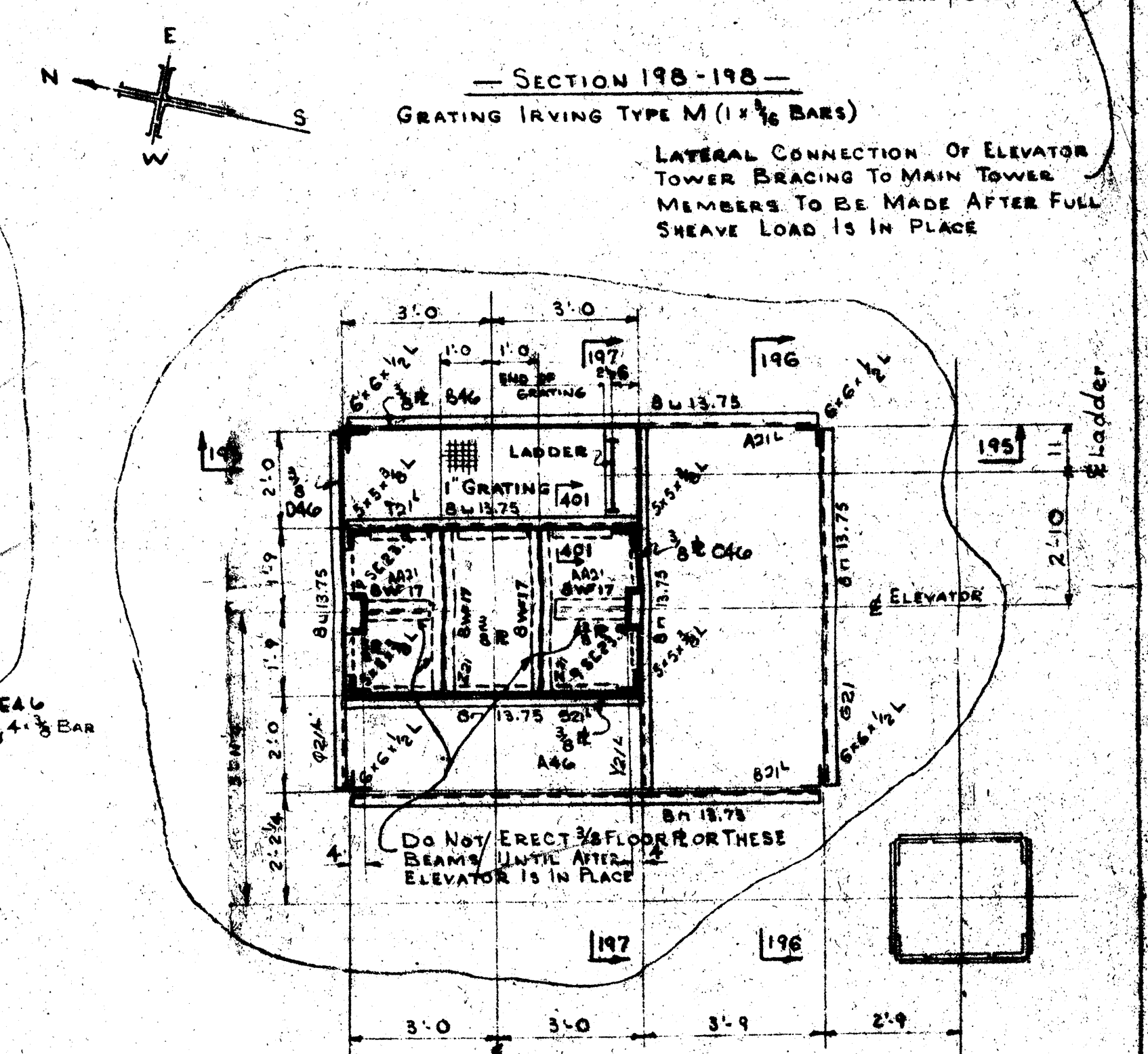
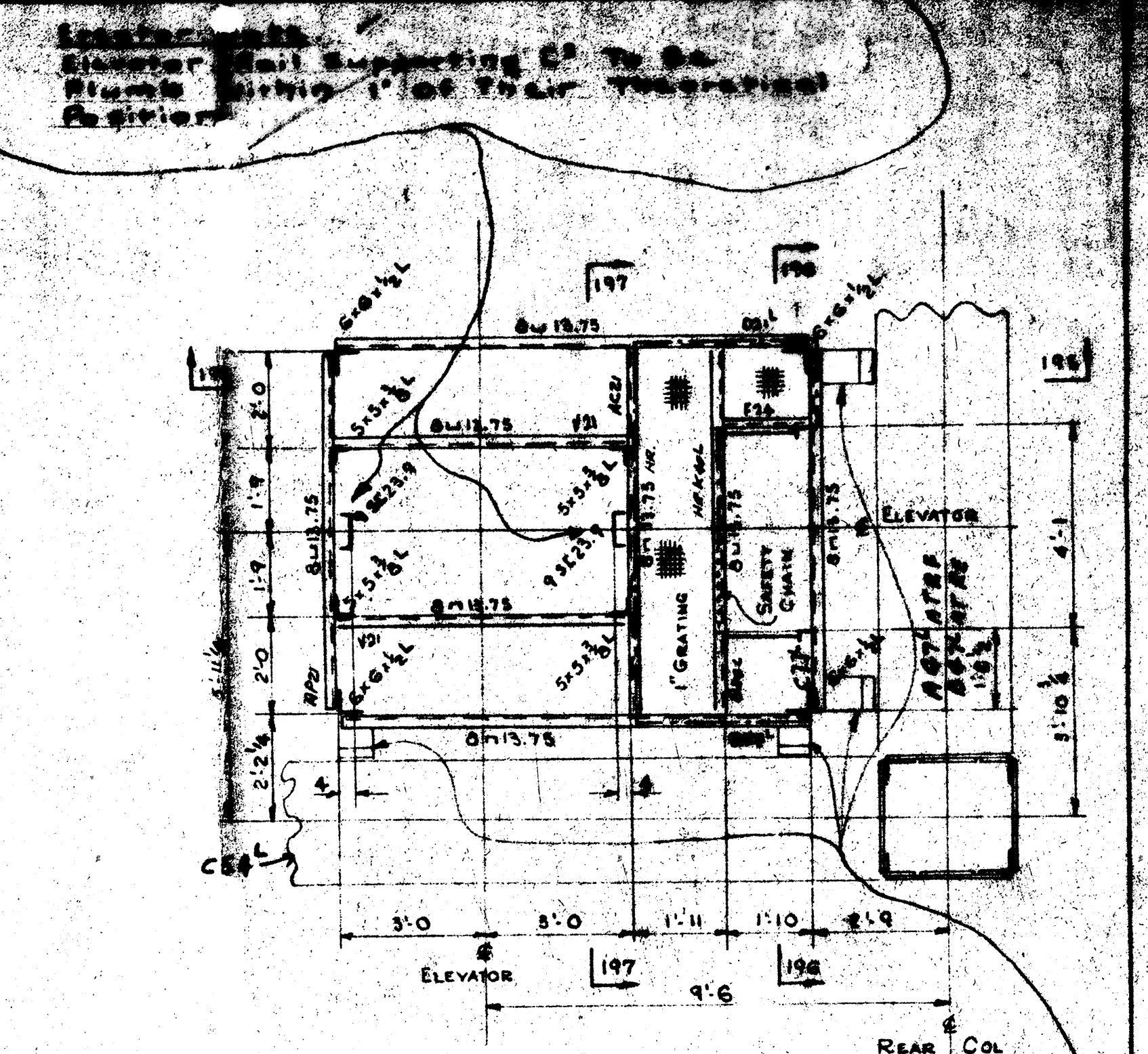
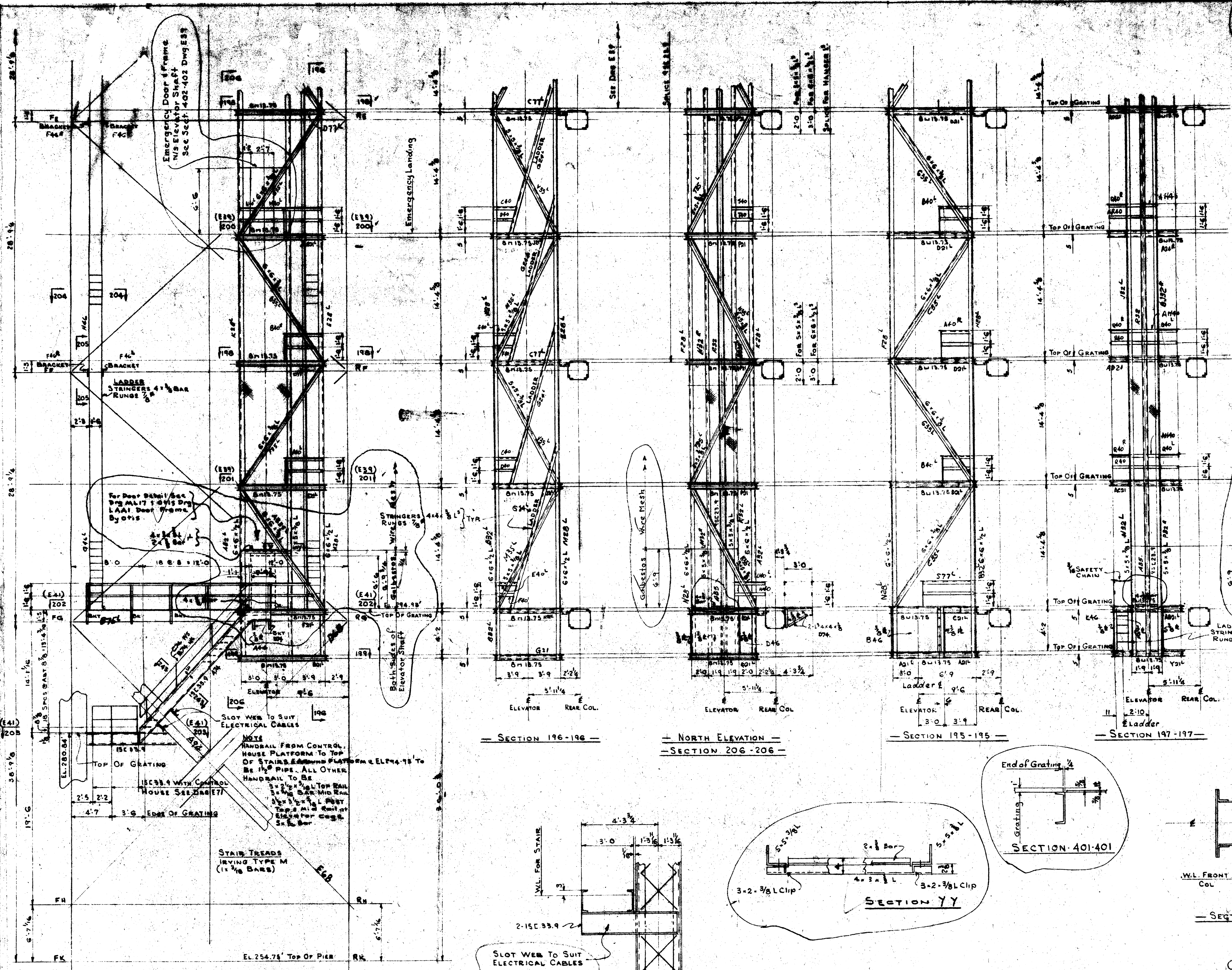


NOTE: BRACING 4x5 L ON G COLS & TOE TO F/S (4 Leg Connected for Single L² 3 Leg Connected for Double L²)
CONNECT GIRTS TO BRACING



NOTES
Shop Connections - 3/4" Rivets or Welded.
Field Connections - 3/4" Rivets Except
Girts, Handrail, Ladders & Enclosure Panels 1/2" M. Bolts.
For Sheave Hood Details & Removable
Panel Detail See Drg. E10

CONTRACT 9636-ITS		REVISIONS		CUSTOMER DEPT. OF PUBLIC WORKS CANADA	
RIVETS	NOTES	June 4/59	NAME OF STRUCTURE BUELLINGTON CANAL LIFT BRIDGE	DESIGN BY C.C. PARKER & ASSOCIATES LTD.	
	OPEN HOLES	Aug 24/59		TITLE OF DRAWING SOUTH TOWER MACHINE HOUSE	
FOR GENERAL NOTES SEE DWG. E1		Oct 5/59	LAST ASSEMBLY MARKS		Bridge & Tank Company of Canada Limited HAMILTON BRIDGE DIVISION HAMILTON, ONTARIO MADE BY... STARTED... COMPLETED... CONTRACT 9636-ITS CHECKED... WORK ORDER... DRAWING E35
PAINT					
WELDING SPOTS					



CONTRACT 9636-ITS

<p>NOTES</p> <p>RIVETS</p> <p>OPEN HOLES</p> <p>FOR GENERAL NOTES</p> <p>SEE DWG. E1</p> <p>PAINT</p> <p>WELDING SPEC</p>	<p>DEPT. OF PUBLIC WORKS CANADA</p> <p>BURRINGTON CANAL LIFT BRIDGE</p> <p>DESIGN BY C.C. PARKER & ASSOCIATES</p> <p>SOUTH TOWER LADDER & ELEVATOR SHAFT</p> <p>Bridge & Tank</p> <p>Company of Canada Limited</p> <p>HAMILTON BRIDGE DIVISION HAMILTON, ONTARIO</p> <p>MADE IN CANADA</p> <p>CHECKED JAW</p>
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SECTION 196-196

NORTH ELEVATION

SECTION 195-195

SECTION 197-197

SECTION 199-199

SECTION 204-204

SECTION 205-205

SECTION 243-243

WEST ELEVATION

NOTE:
ELEVATOR CAGE TO BE ENCLOSED WITH WIRE MESH FOR LENGTH 7' MIN. (SEE ELEV. 206-206)
SAFETY CHAINERS REQUIRED AT ALL OPENINGS IN HANDRAIL
MAX. HANDRAIL POST SPACING 6'-0"
CORNER RIVETS 3/4" RIVETS EXCEPT HANDRAIL BOLTED 1/2" M. BOLTS

Handrail
Size & Location
of this Req'd.

Emergency Door Frame
W/ Elevator Shaft
See Sect. 402-402 Dwg. E89

Emergency Door Frame
W/ Elevator Shaft
See Sect. 402-402 Dwg. E89

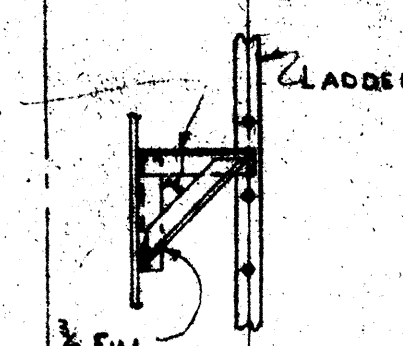
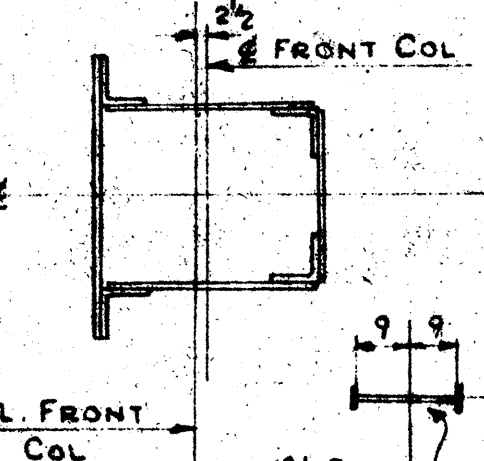
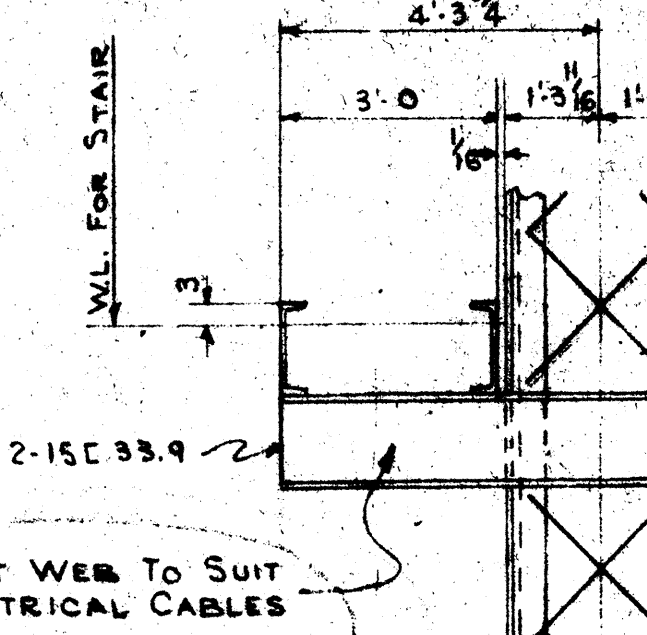
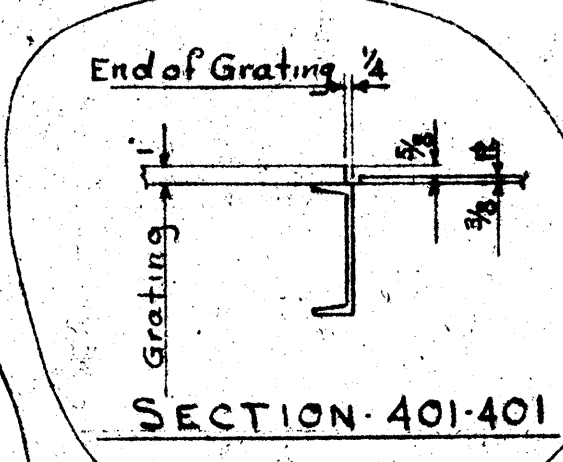
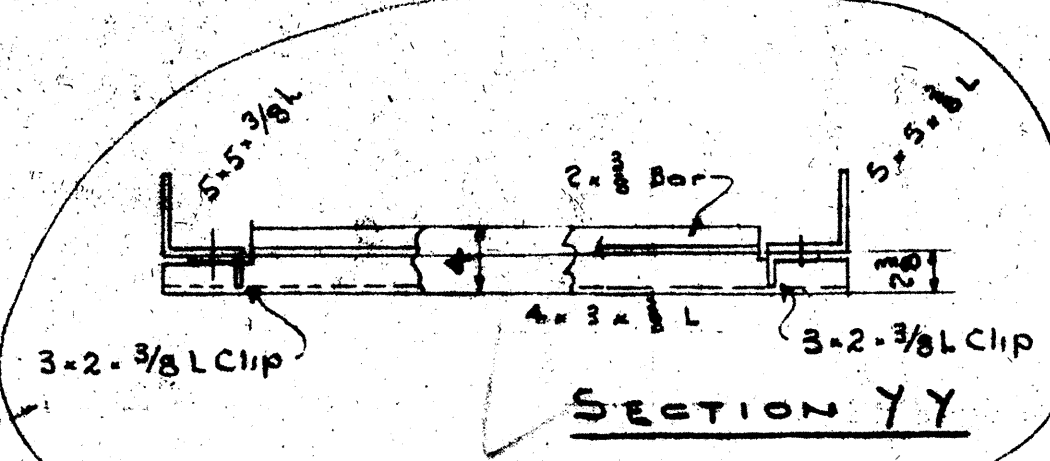
For Door Detail See
Dwg. E117 & 118 Dwg. E119
Ladder Door Frame
By 0115

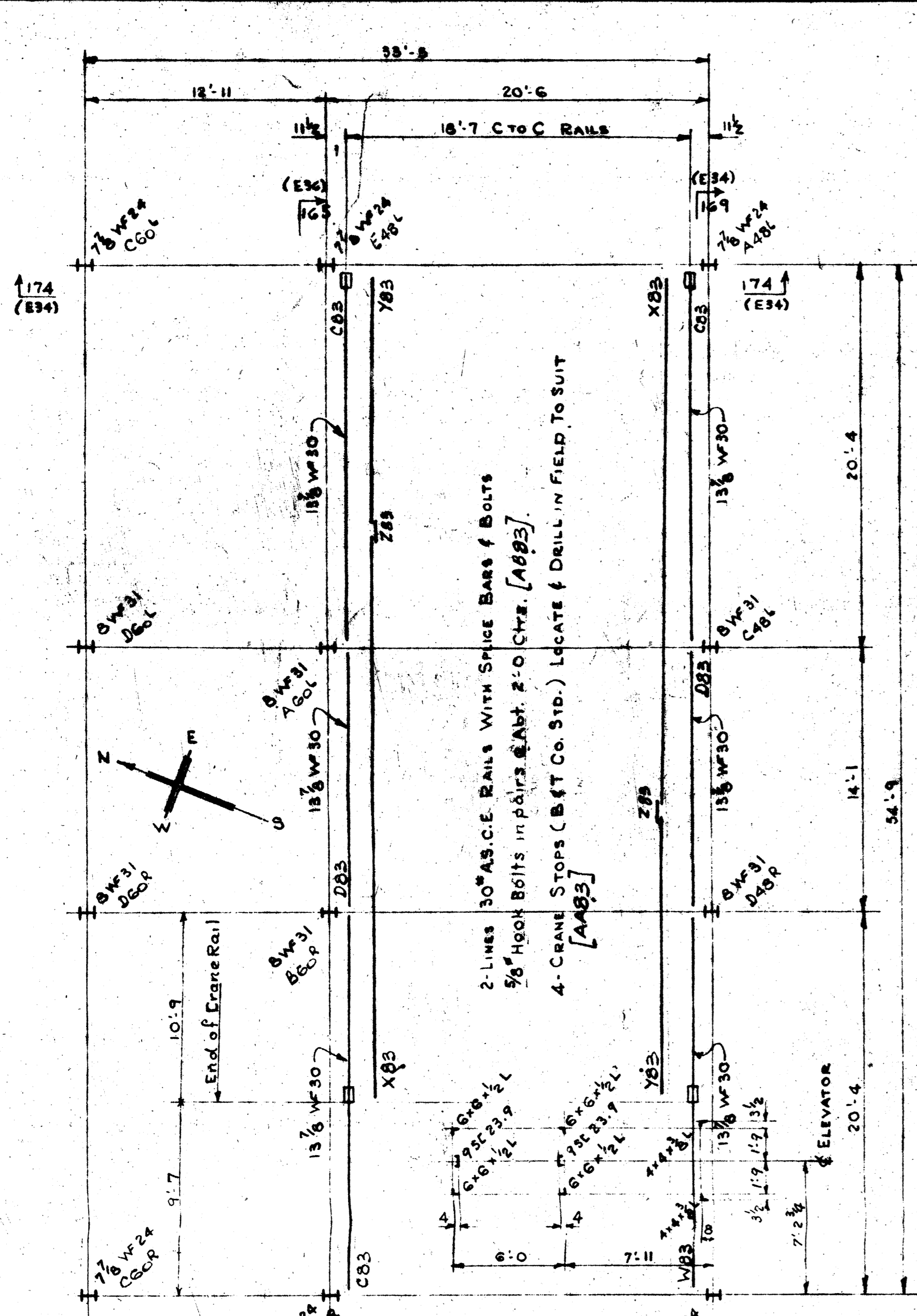
STAINERS 4 x 4 BARS
RUNGS 3/8"

NOTE:
HANDRAIL FROM CONTROL
HOUSE PLATFORM TO TOP
OF STAINERS & HANDRAIL
TO BE 1 1/2" PIPE. ALL OTHER
HANDRAIL TO BE
3" x 3" x 1/4" TOP RAIL
1 1/2" x 1/4" BOTTOM RAIL
3" x 3" x 1/4" POST
TOP & MIDDLE RAILS
TO BE 3/4" DIA. STEEL
PIPE FOR CAGE
3" x 3" x 1/4"

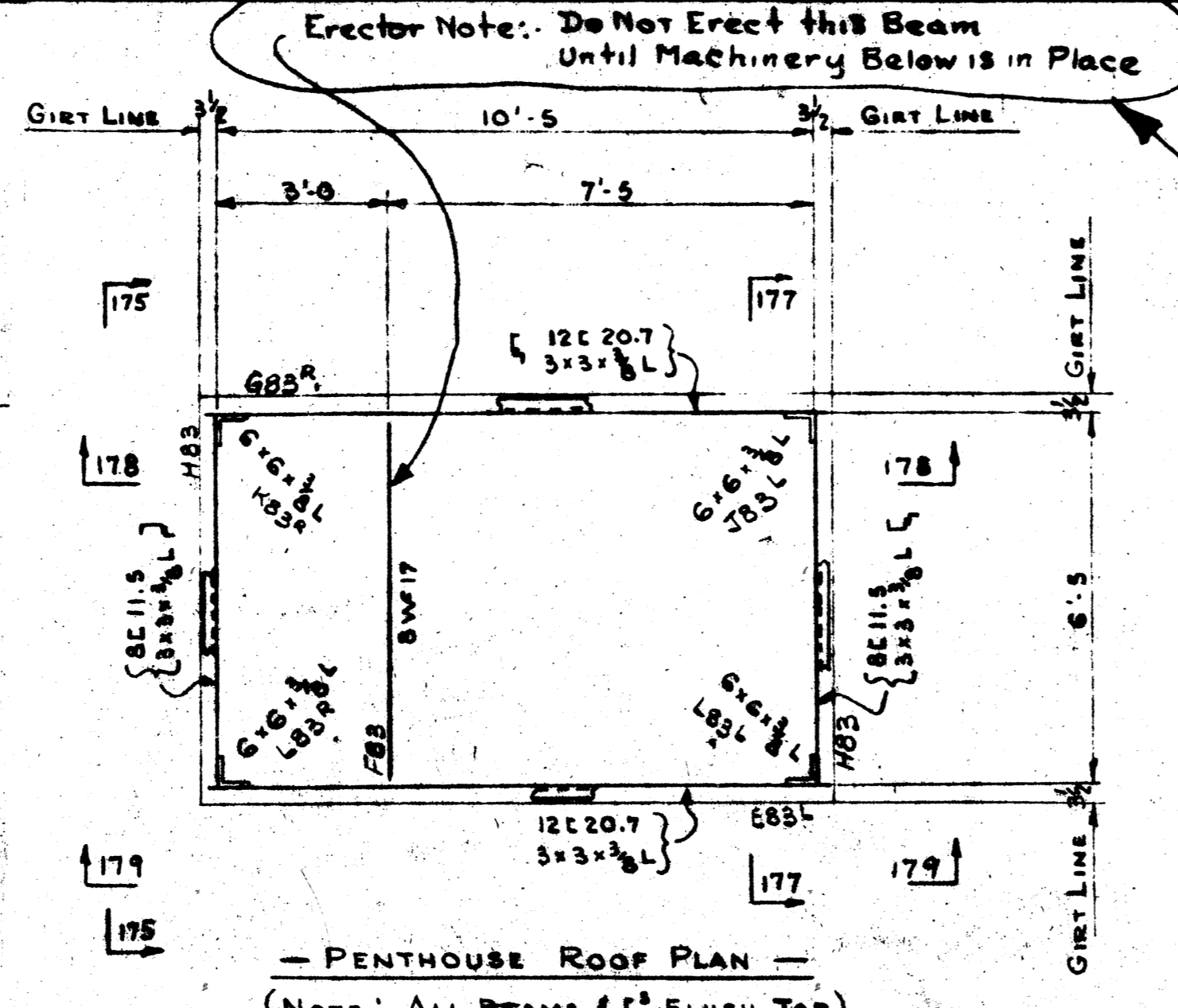
STAIN TREADS
IRVING TYPE M
(1 1/2 BARS)

SLOT WEB TO SUIT
ELECTRICAL CABLES

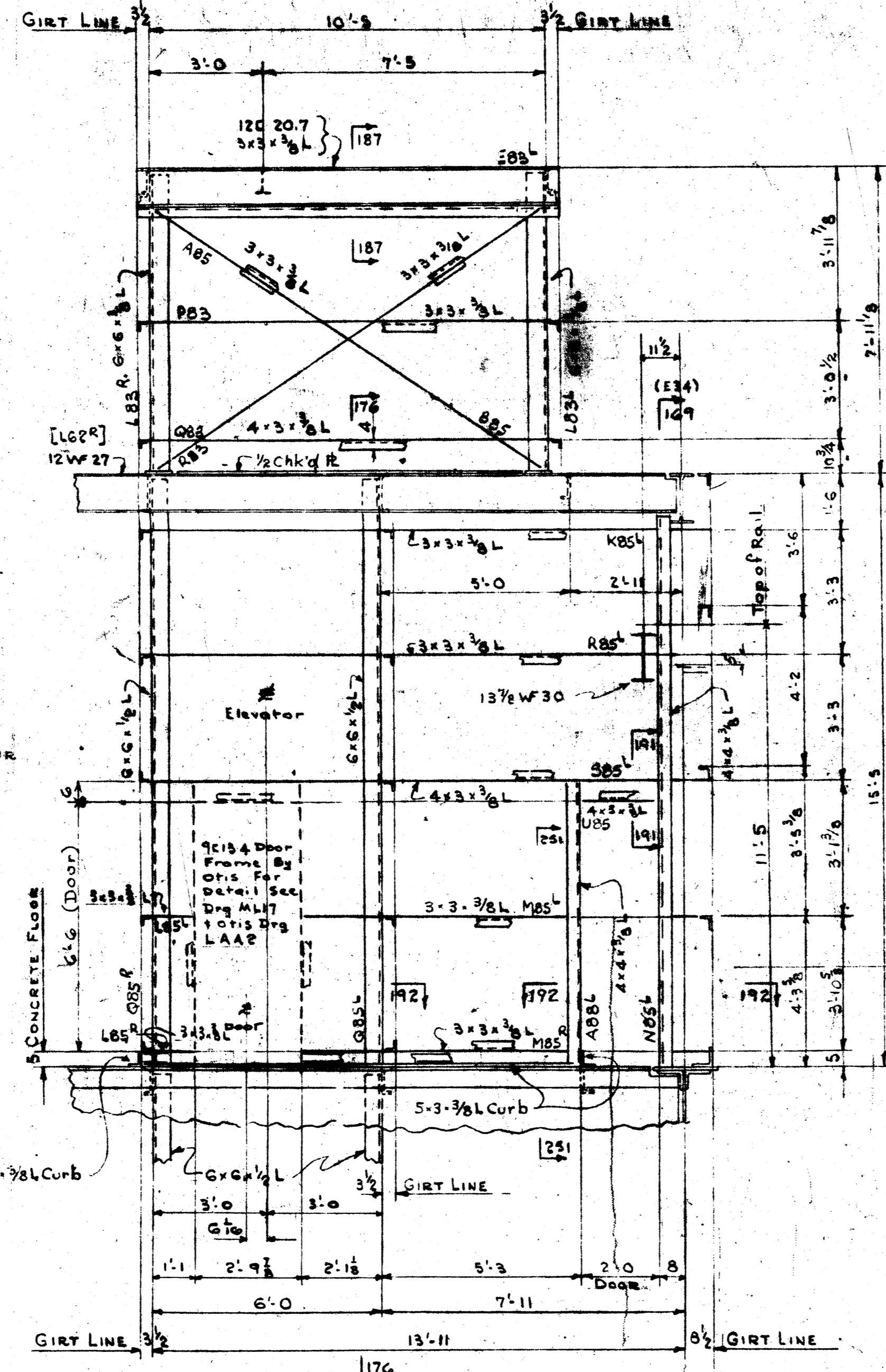




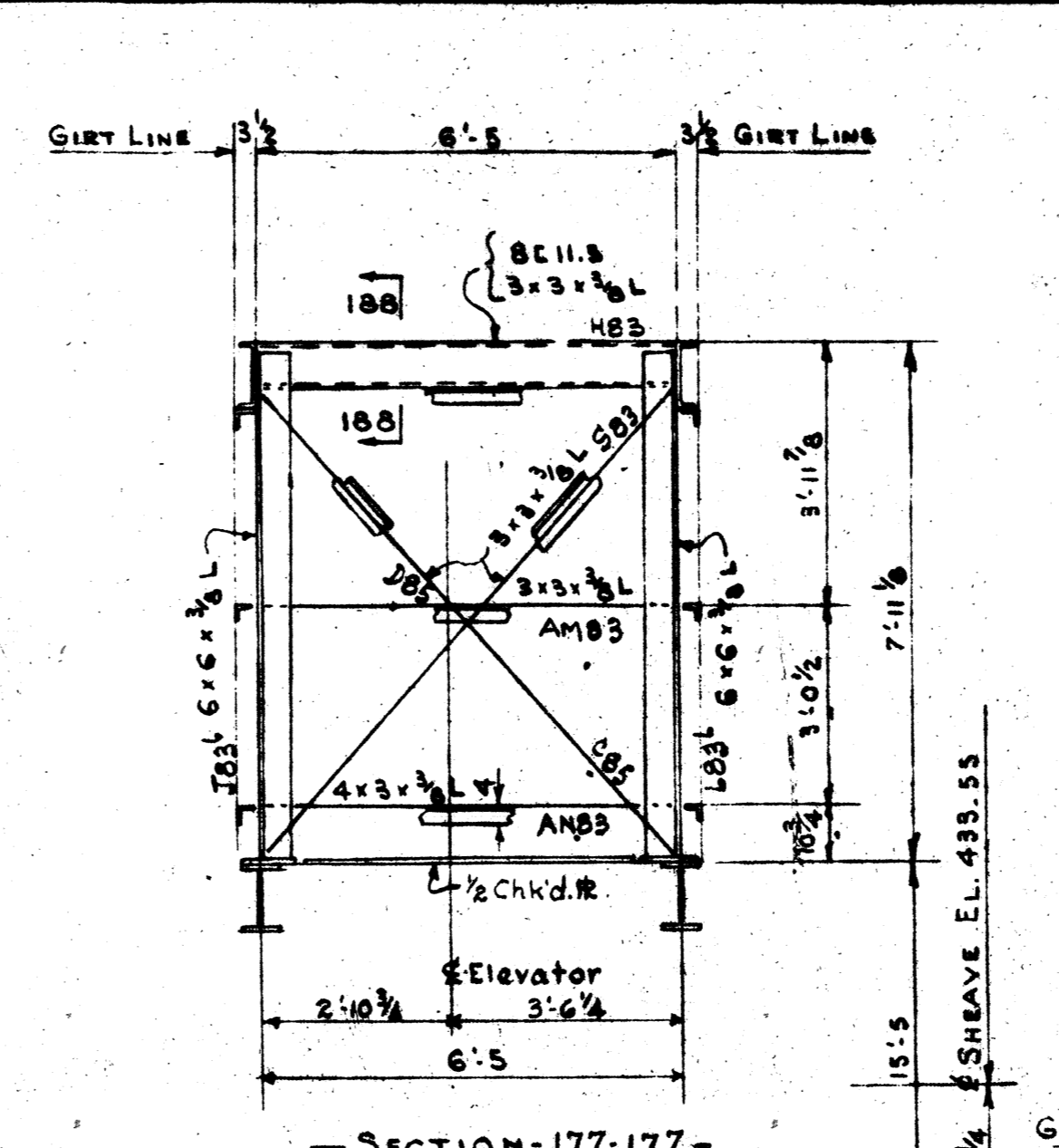
CRANE RUNWAY PLAN
(MACHINE HOUSE)



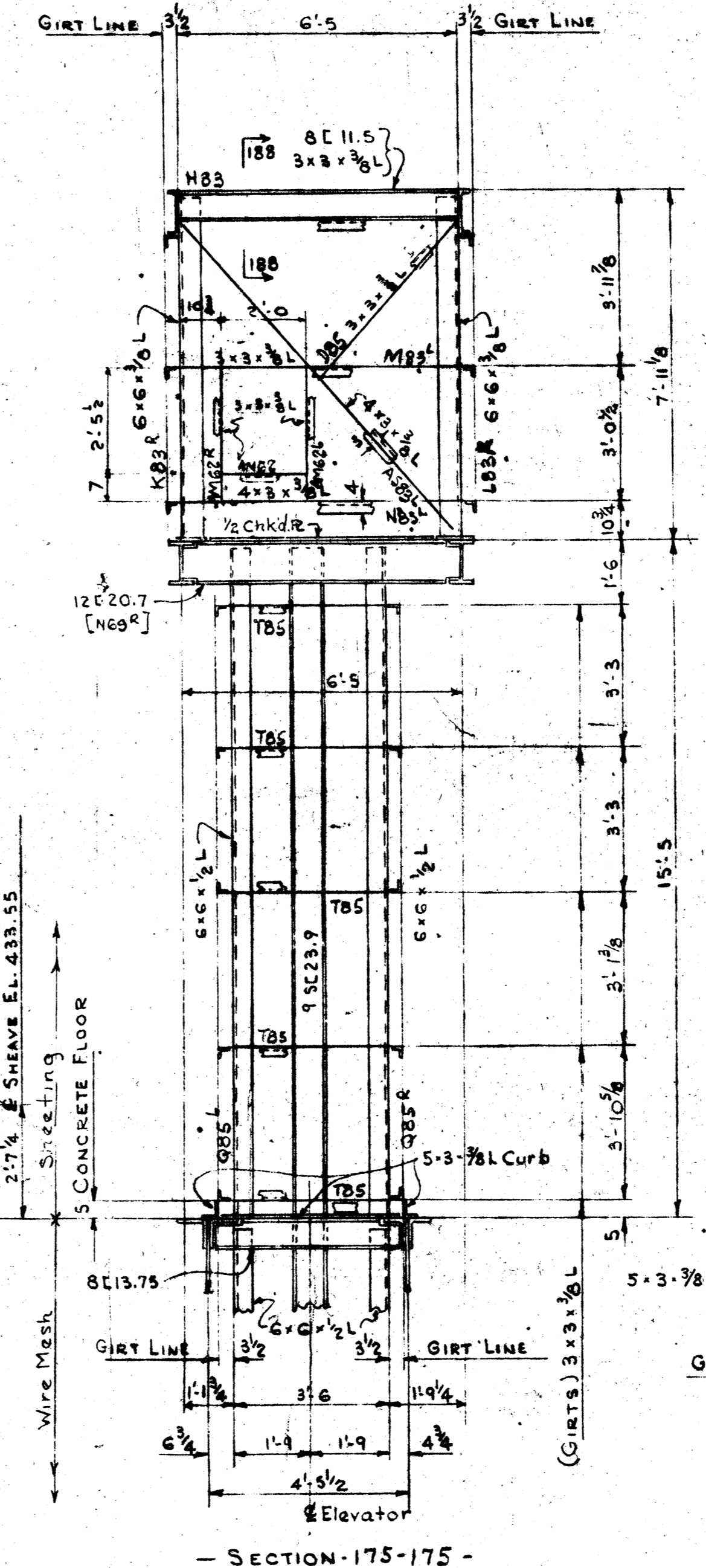
PENTHOUSE ROOF PLAN
(NOTE: ALL BEAMS & L^s FLUSH TOP)



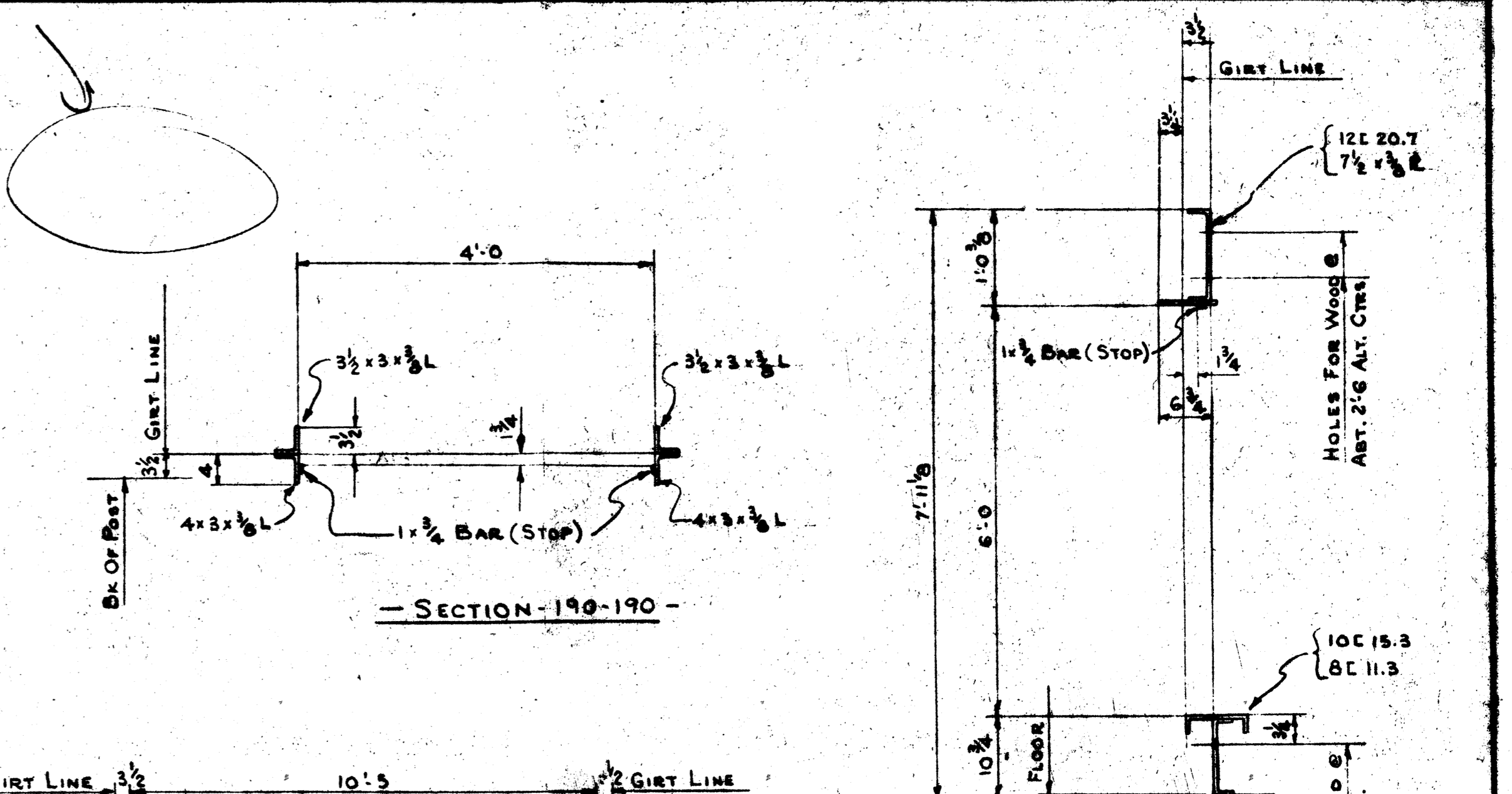
SECTION-179-179
(NOTE: BRACING ON BK. OF POSTS & TOE INSIDE)



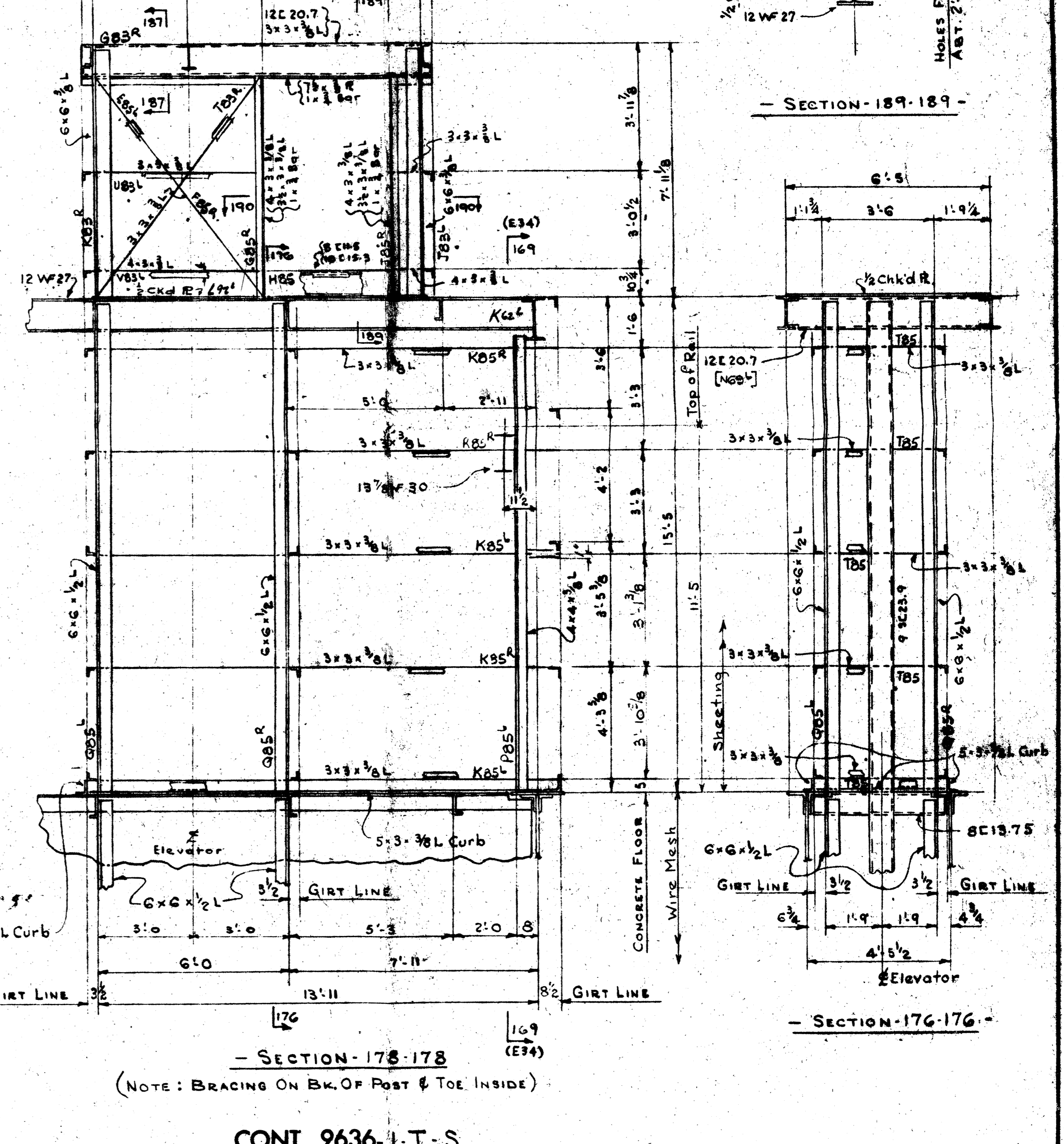
SECTION-177-177
(NOTE: BRACING ON BK. OF POST & TOE INSIDE)



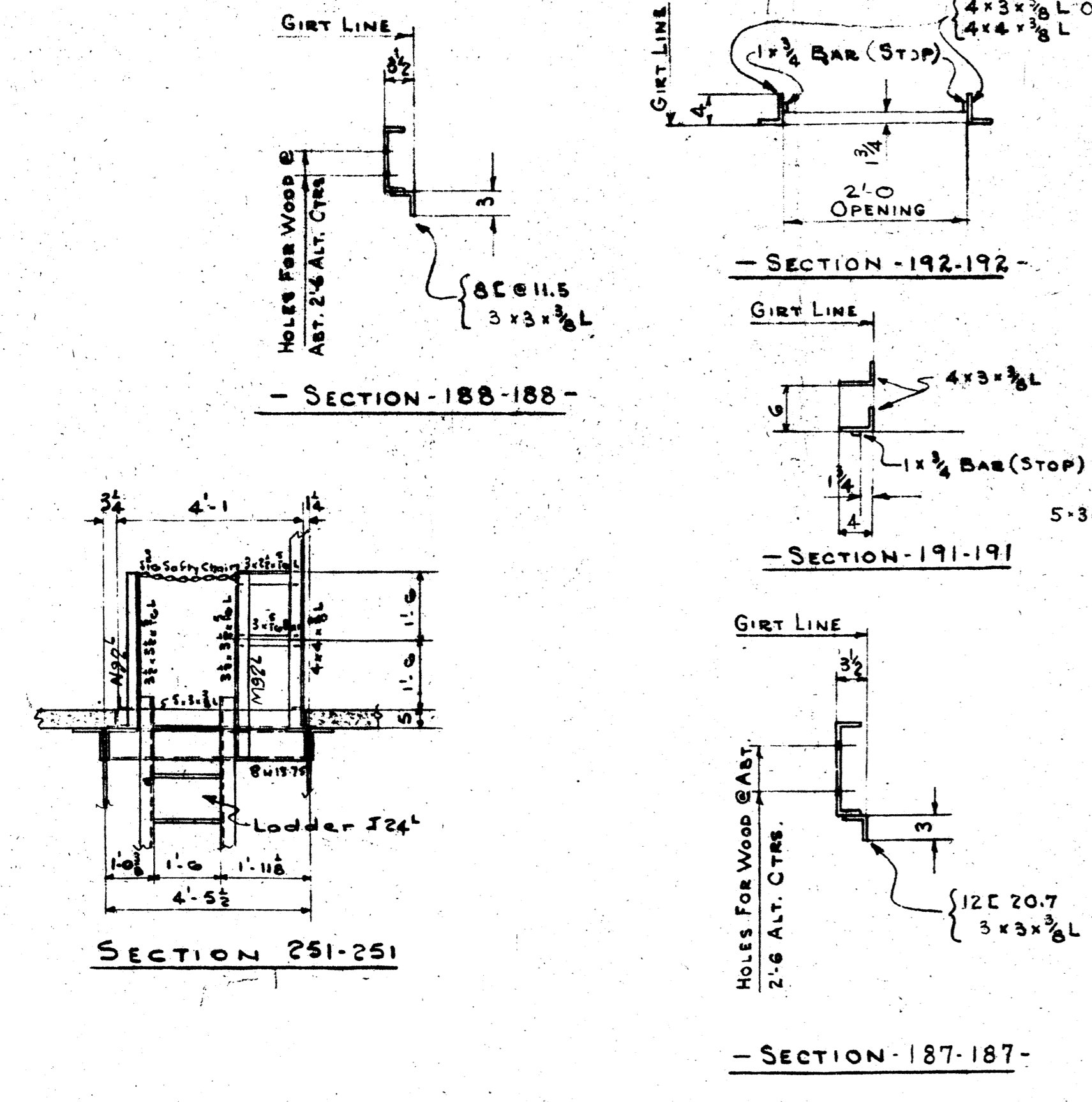
SECTION-175-175
(NOTE: BRACING ON BK. OF POST & TOE INSIDE)



SECTION-190-190

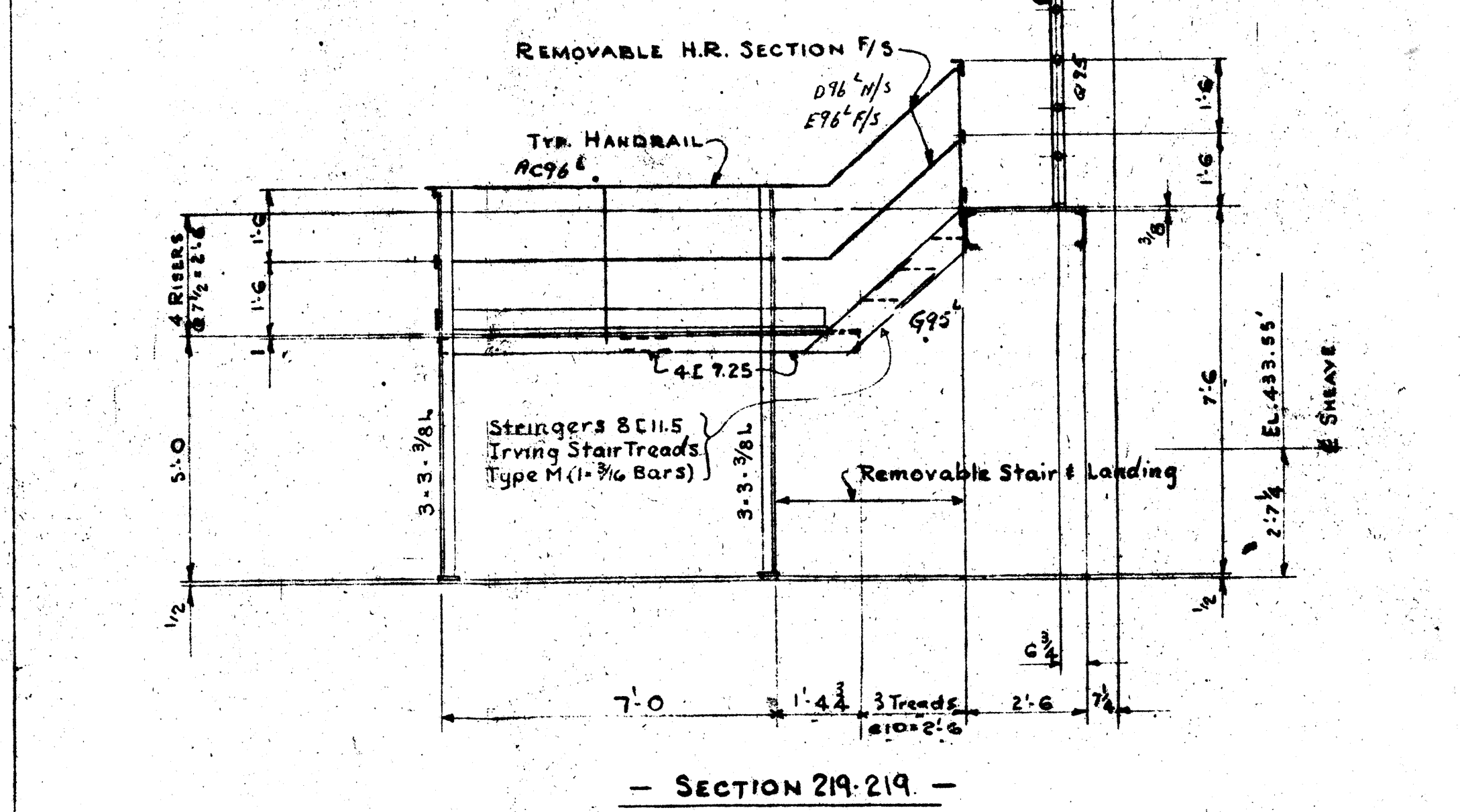
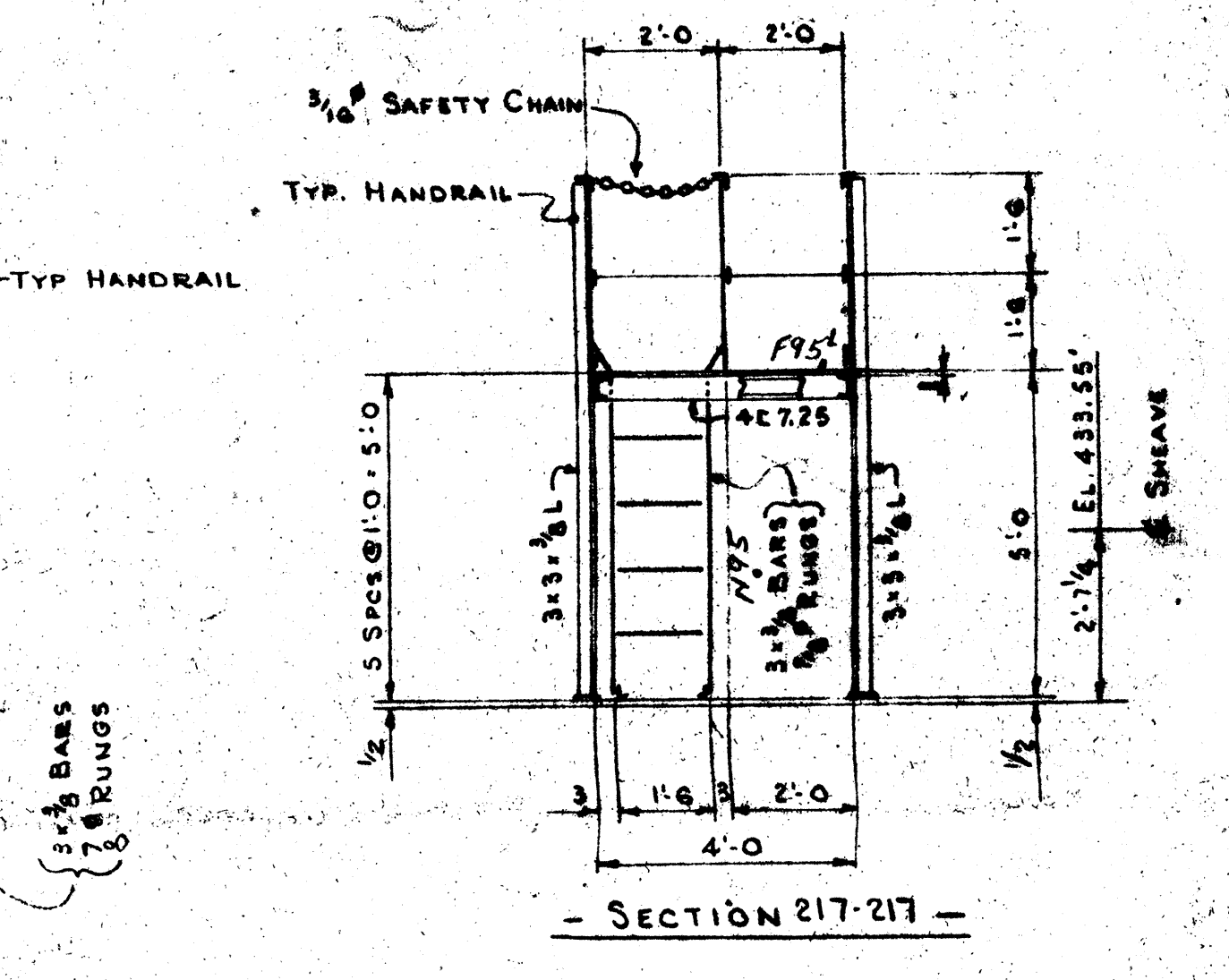
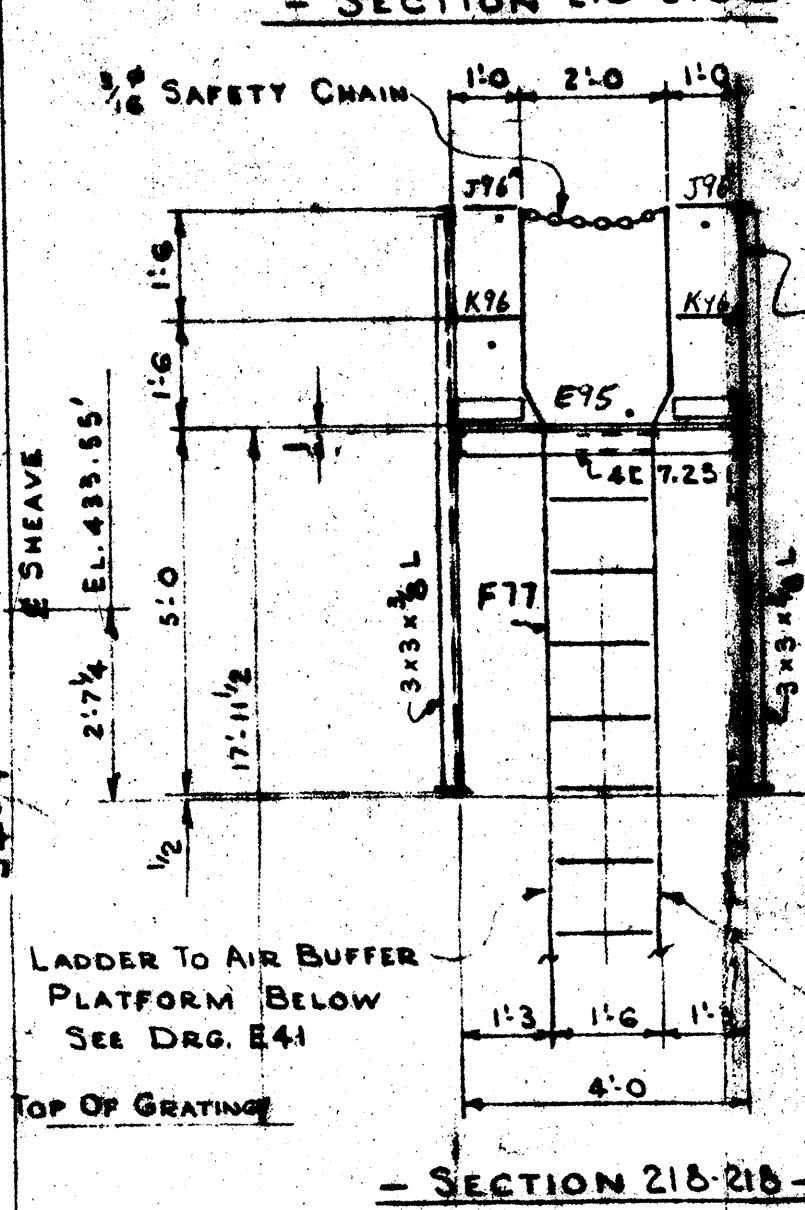
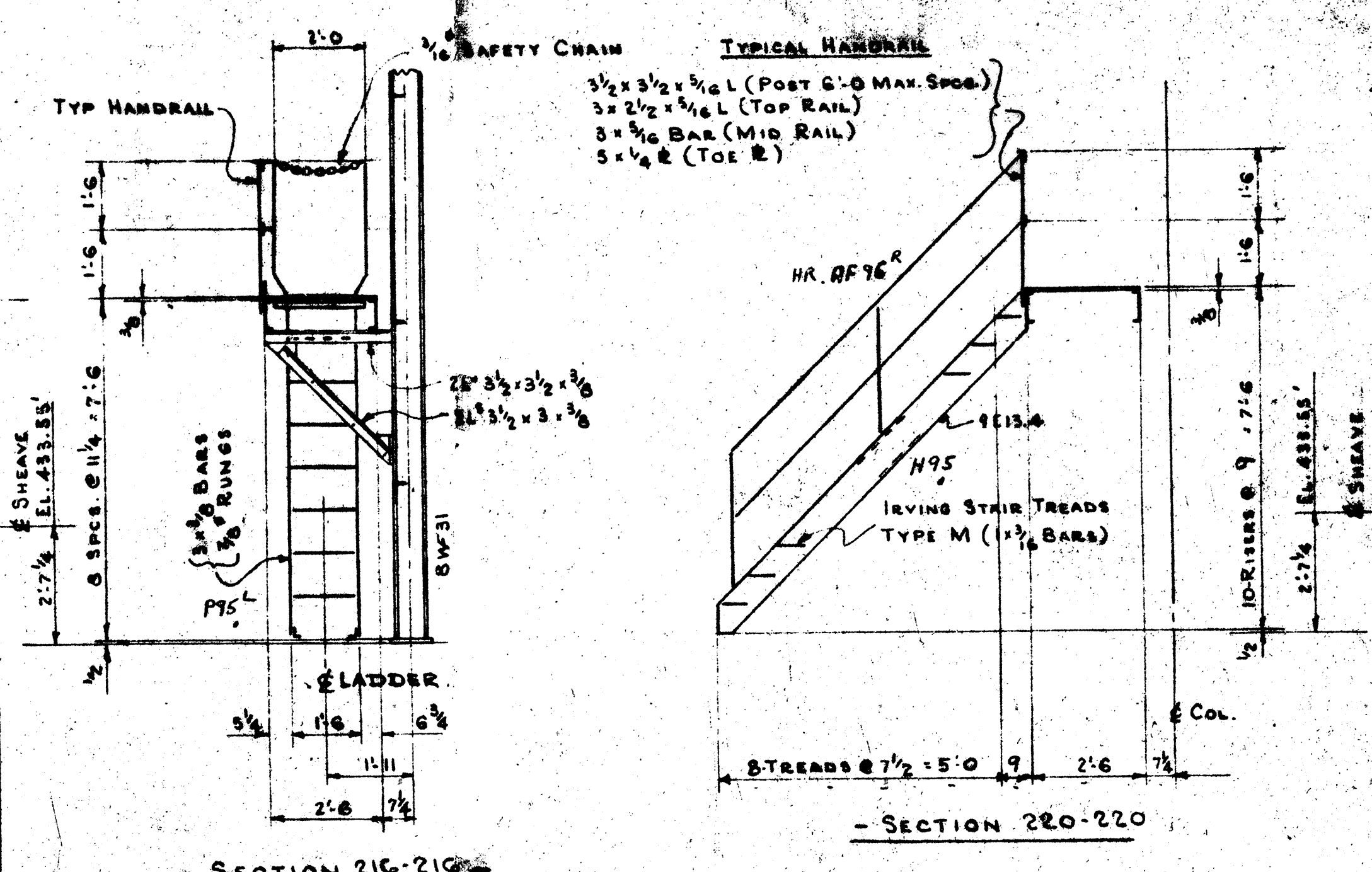
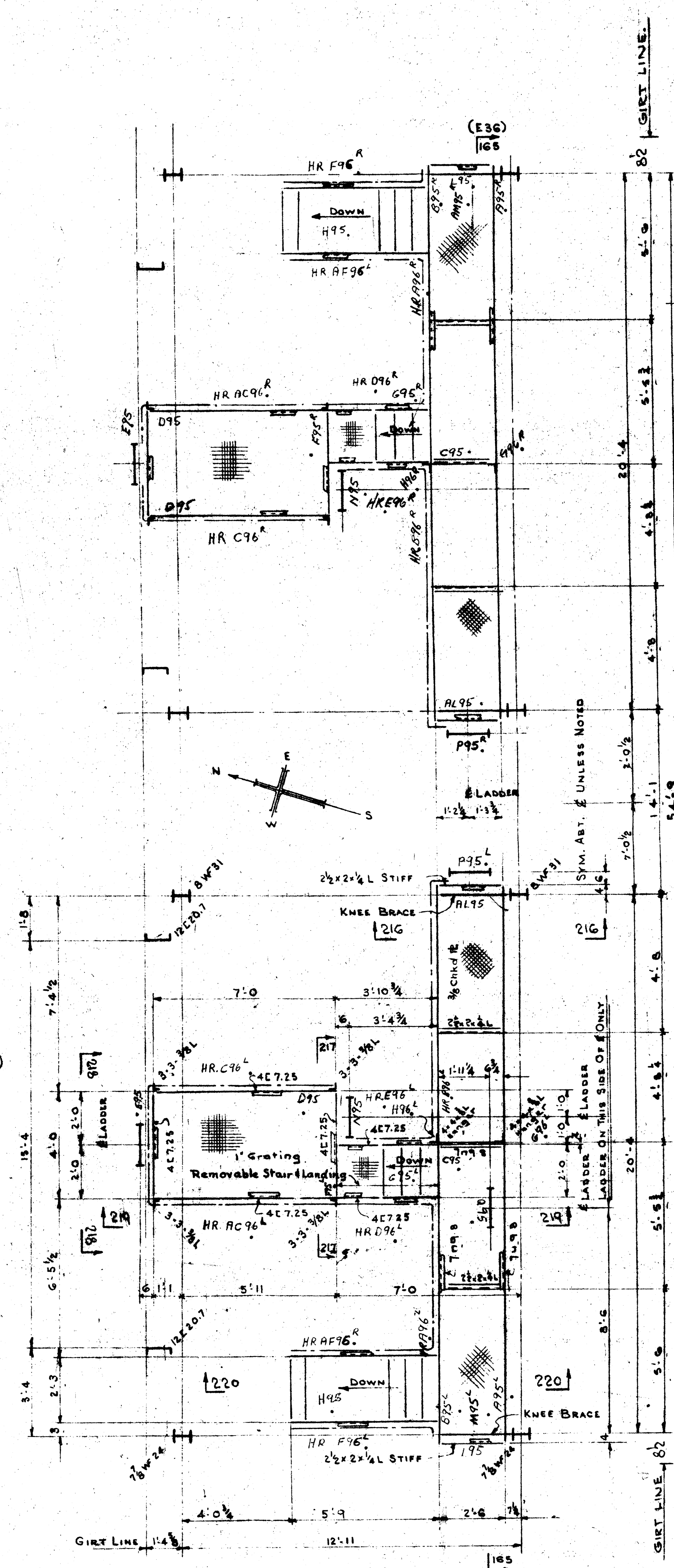
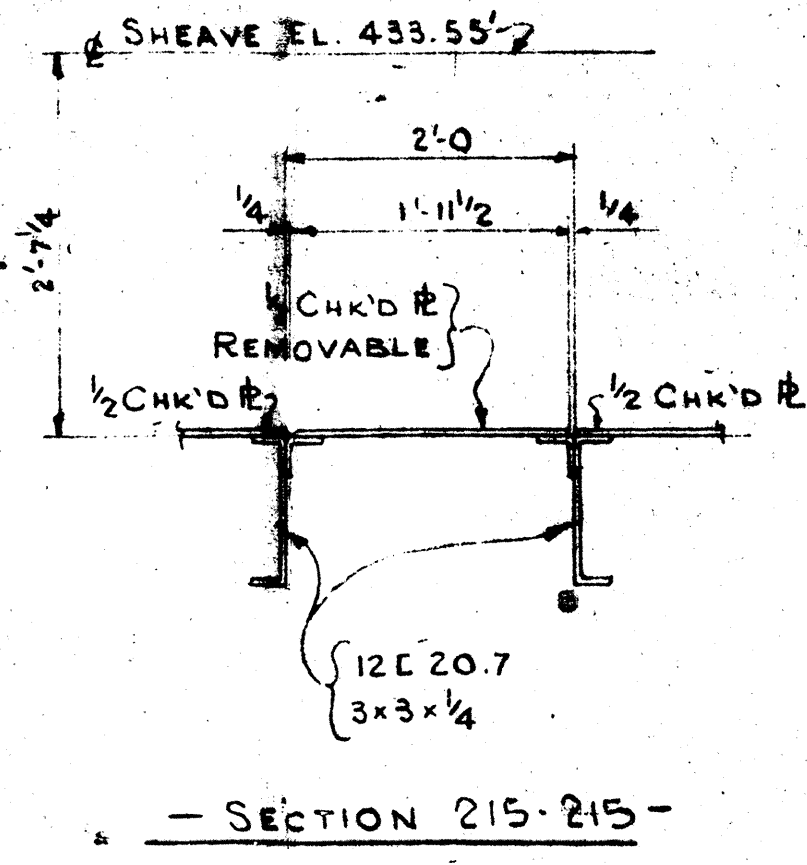
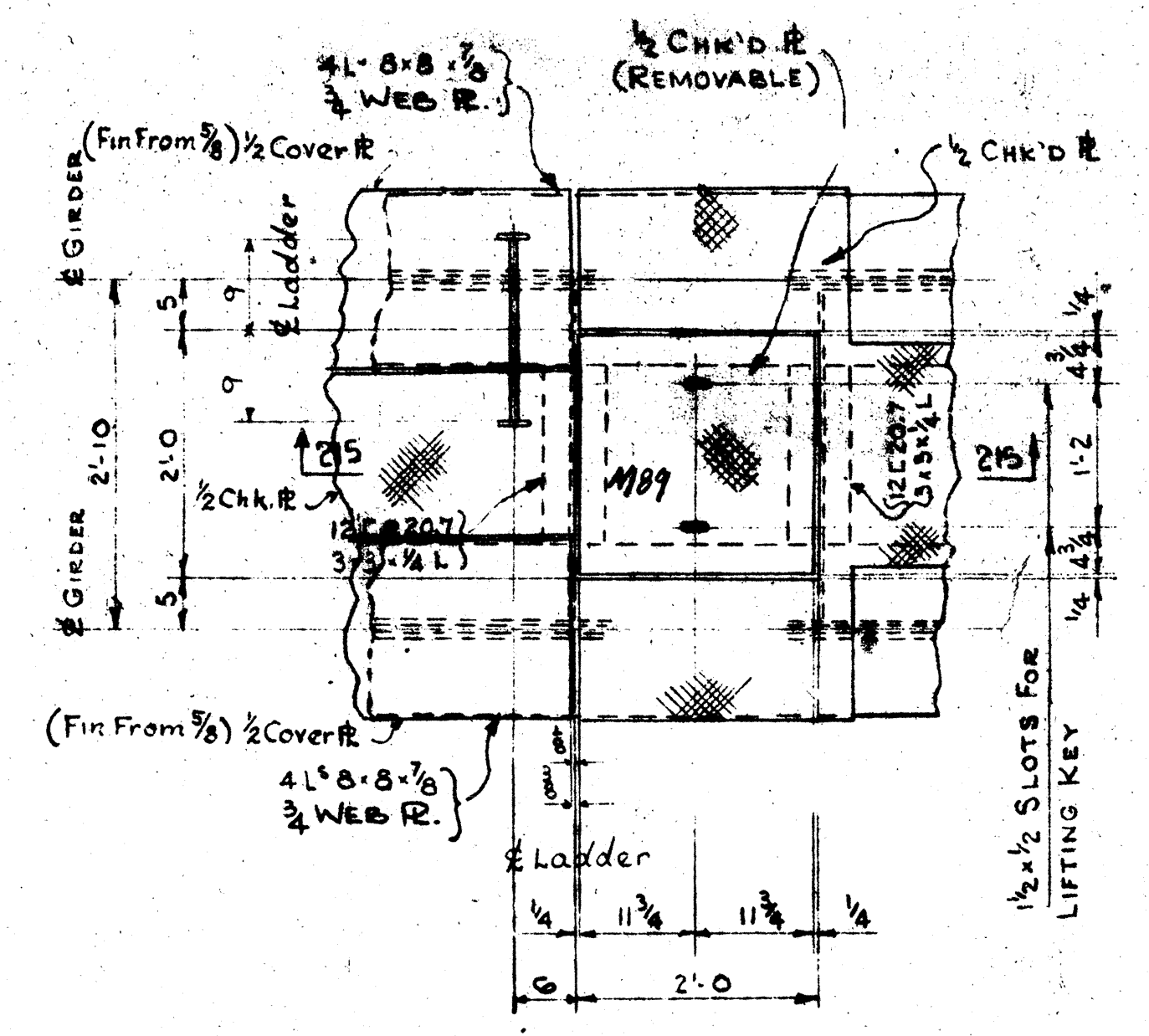
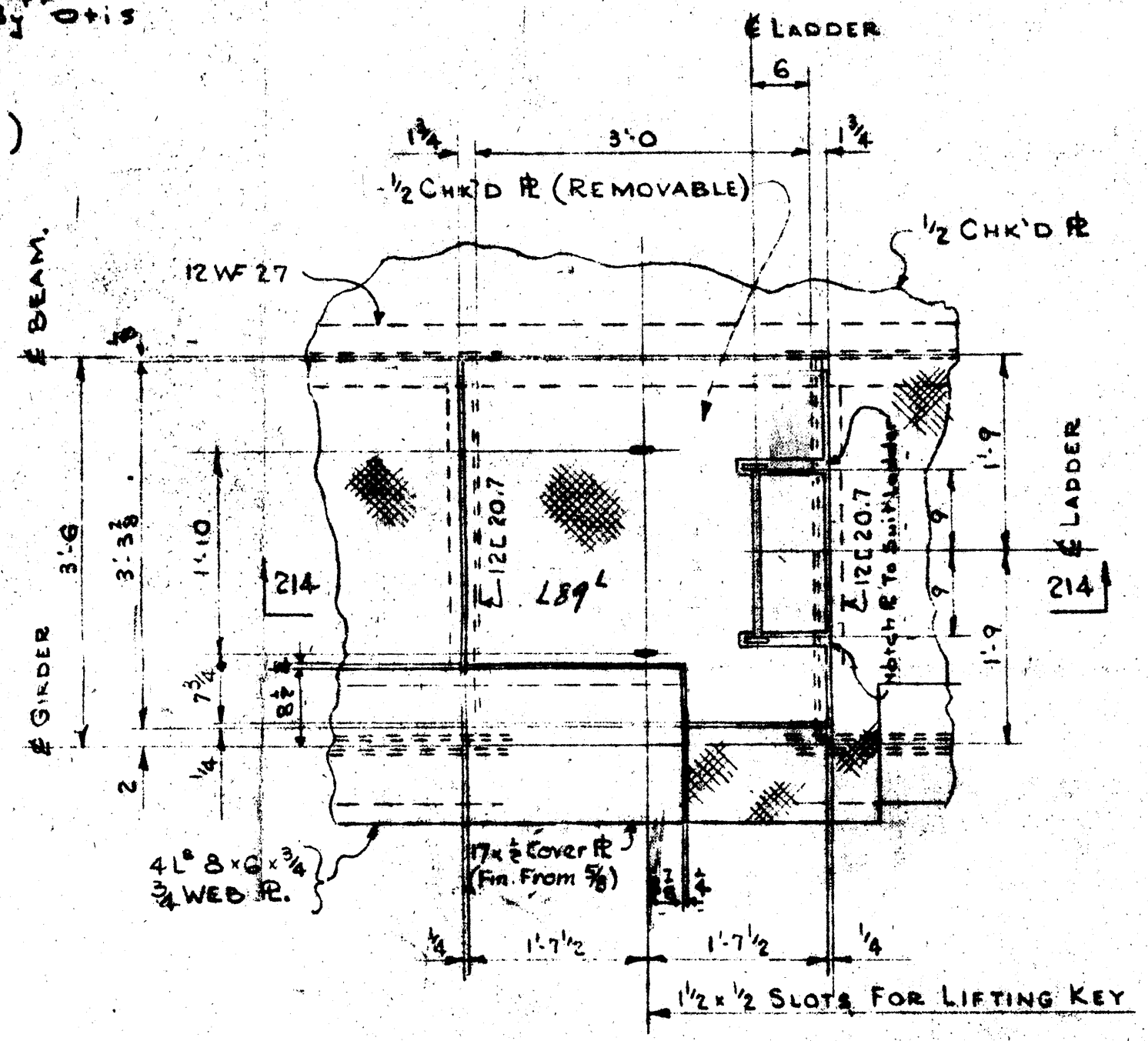
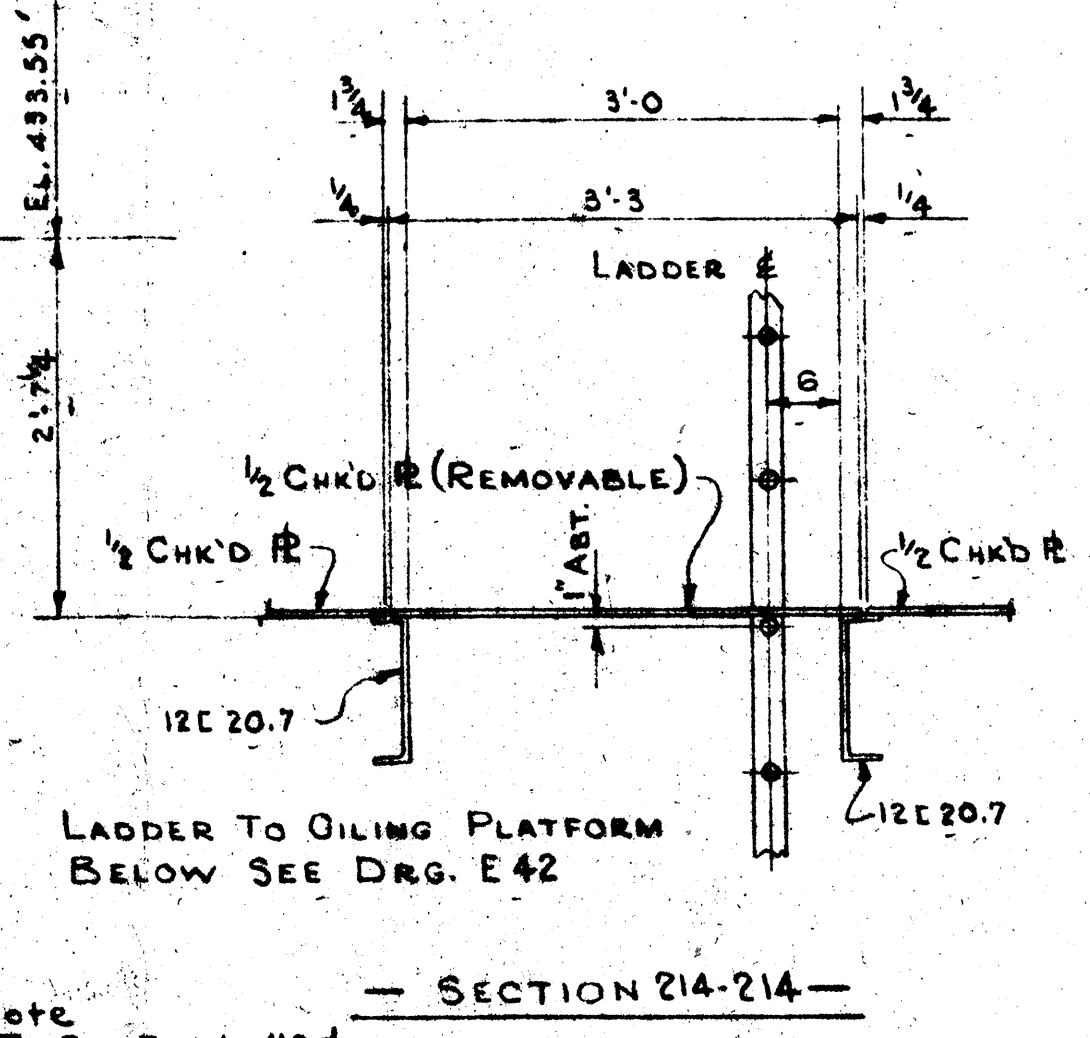
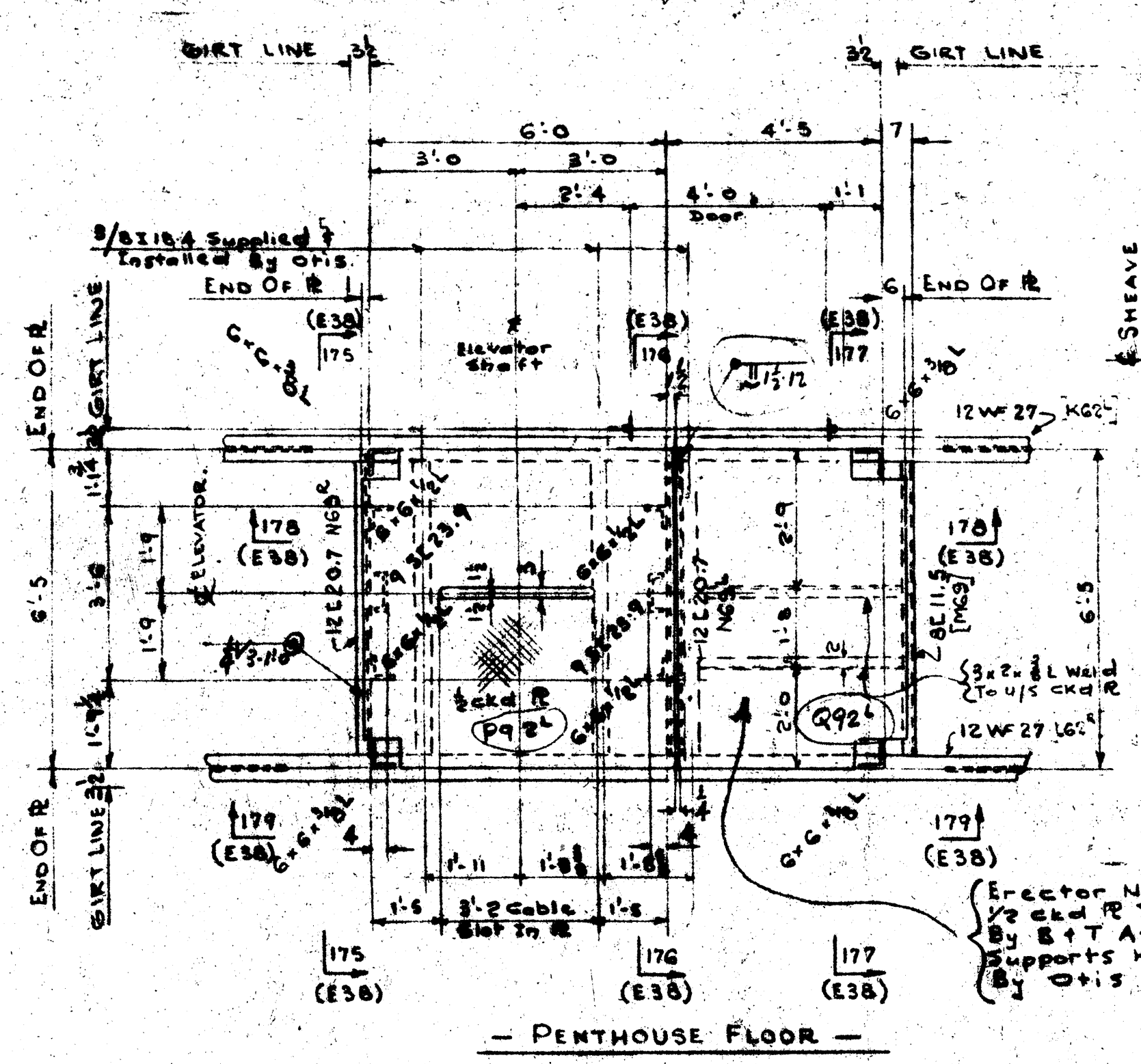


SECTION-176-176
(NOTE: BRACING ON BK. OF POST & TOE INSIDE)



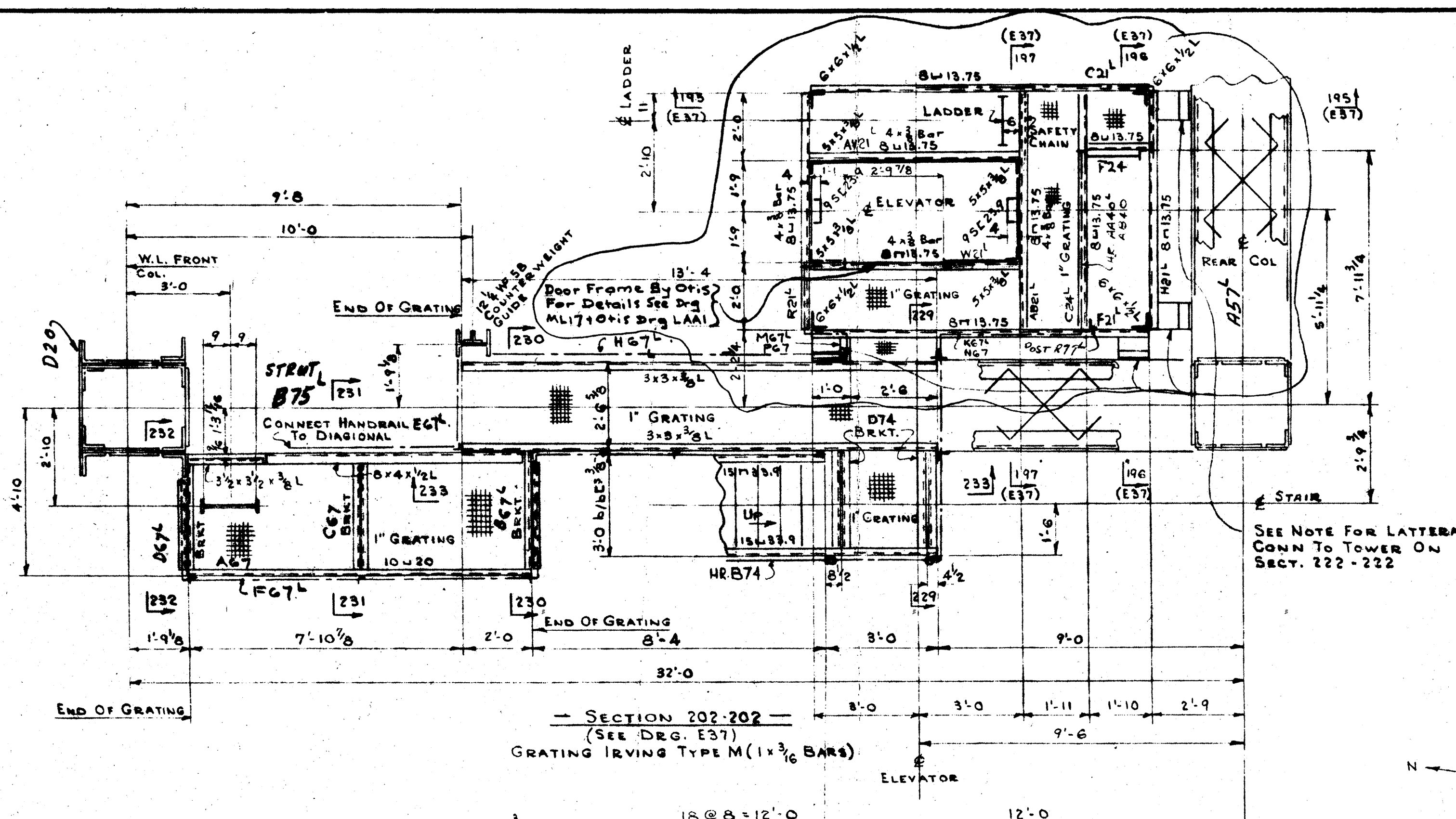
NOTES
Shop Conns. Welded or Rivetted with 3/4" Rivets.
Field Conns. 3/4" Rivets Except Girts 3/4" M. Bolts.

CONT. 9636-T-S		NOTES	REVISIONS	CUSTOMER	DEPARTMENT OF PUBLIC WORKS—CANADA
RIVETS	FOR GENERAL NOTES SEE DRG. E1	OPEN HOLES	May 29/59	BURLINGTON CANAL LIFT BRIDGE	
PAINT			Jan 14/60	C. C. PARKER & ASSOCIATES LTD.	
WELDING SPEC.			Aug 29/60	SOUTH TOWER MACHINE HOUSE	
				Bridge & Tank	
				Company of Canada Limited	
				HAMILTON BRIDGE DIVISION	HAMILTON, ONTARIO
				MADE BY	STARTED
				CHECKED	COMPLETED
					CONTRACT NO. 175
					WORK ORDER
					DRAWING E 3 A



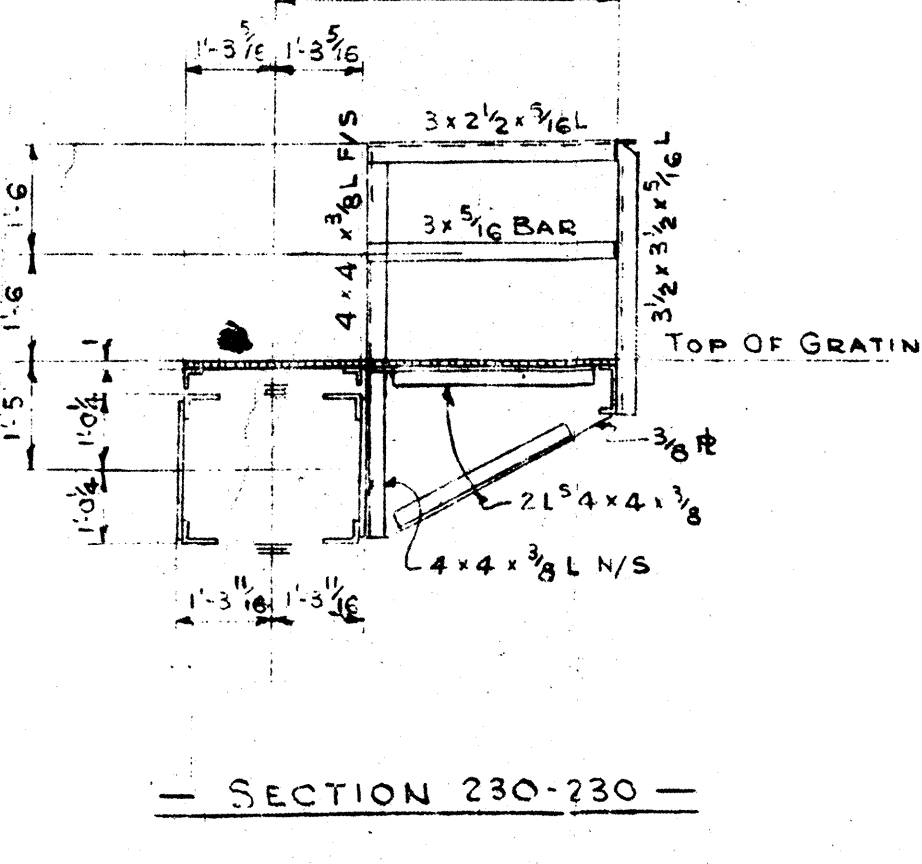
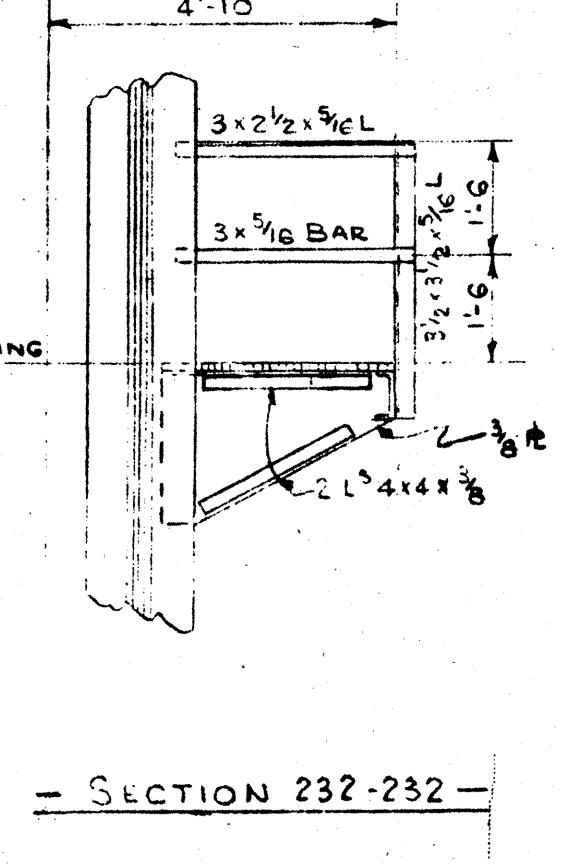
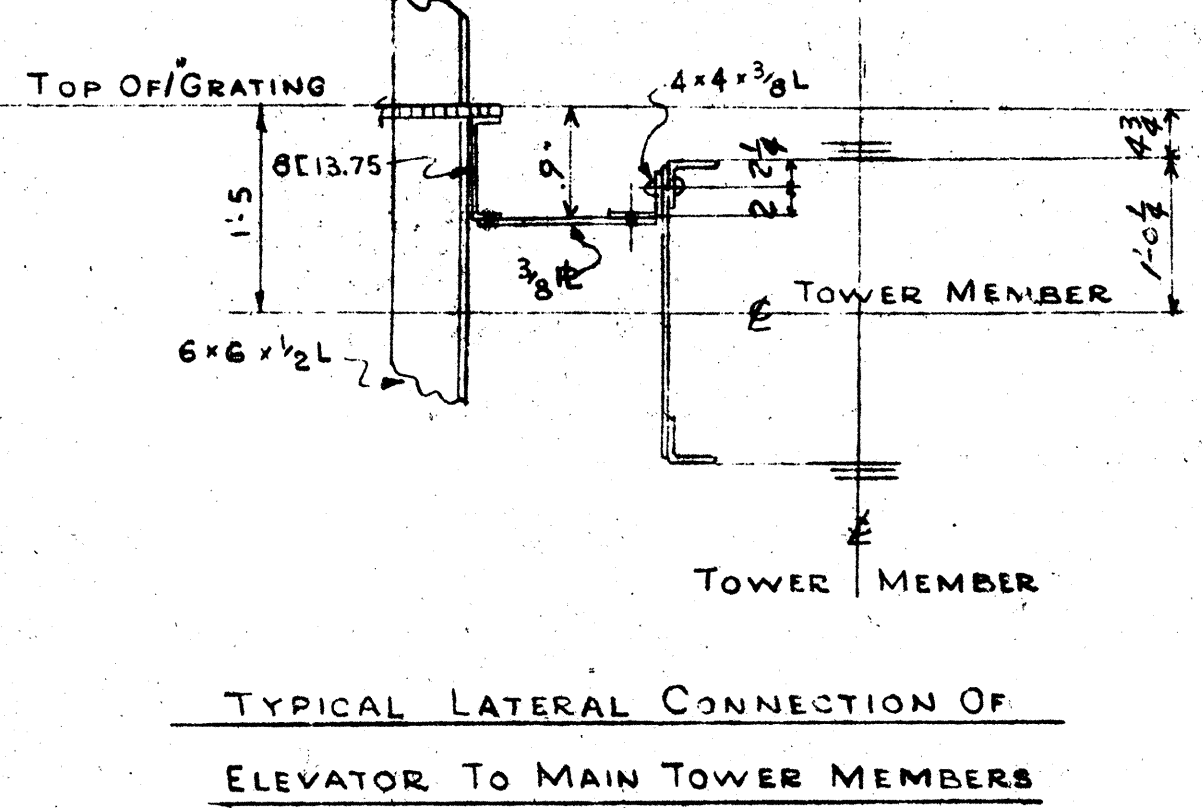
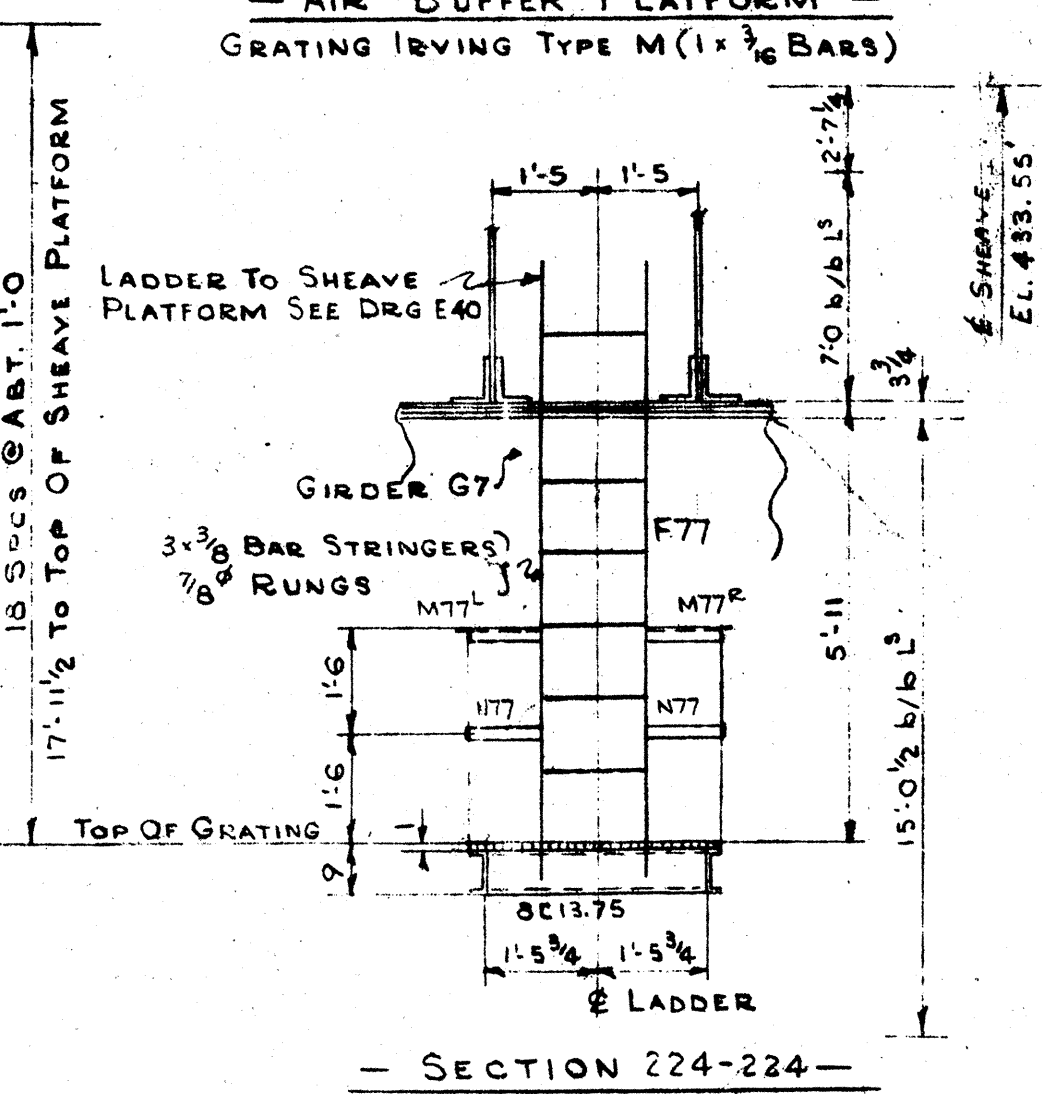
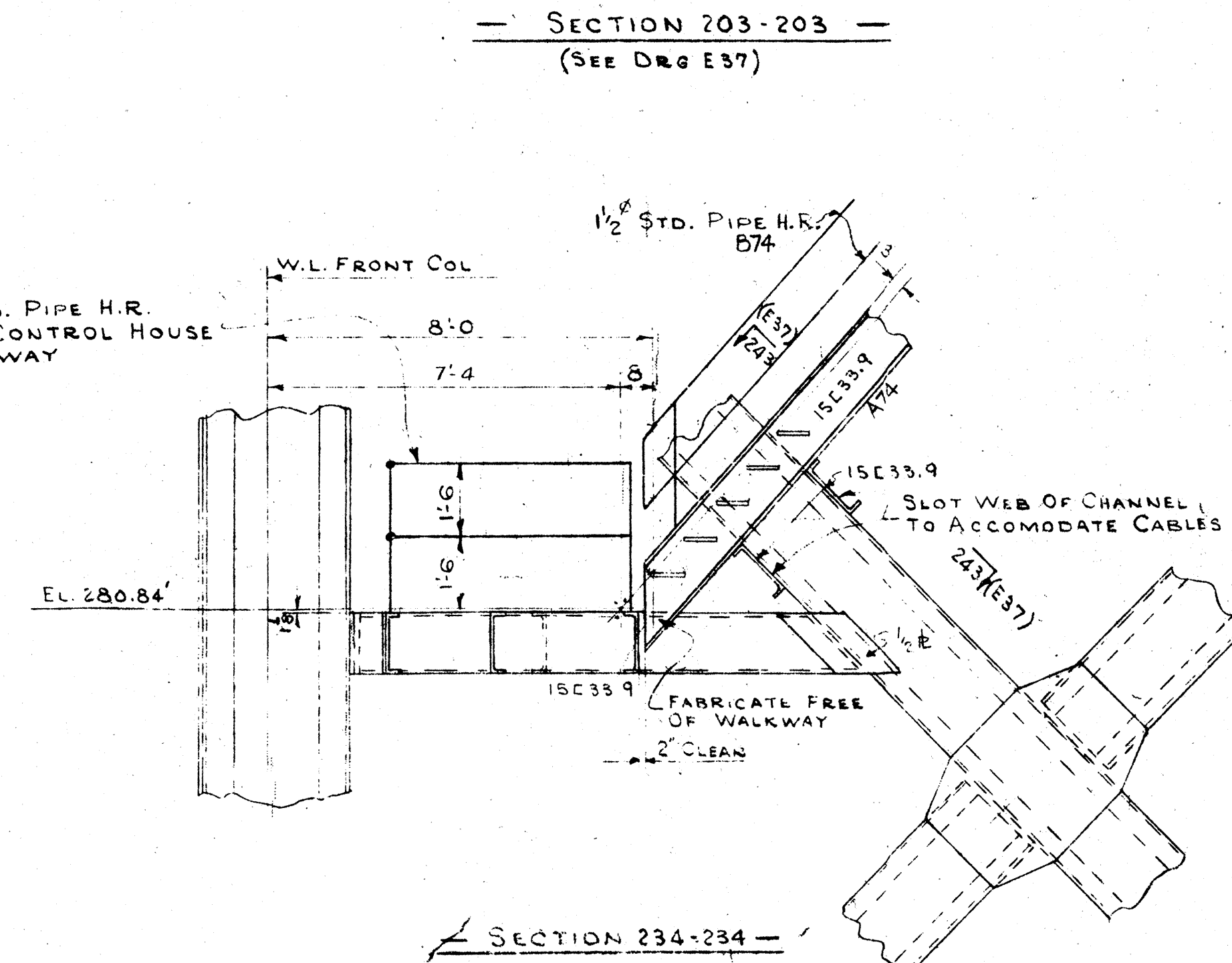
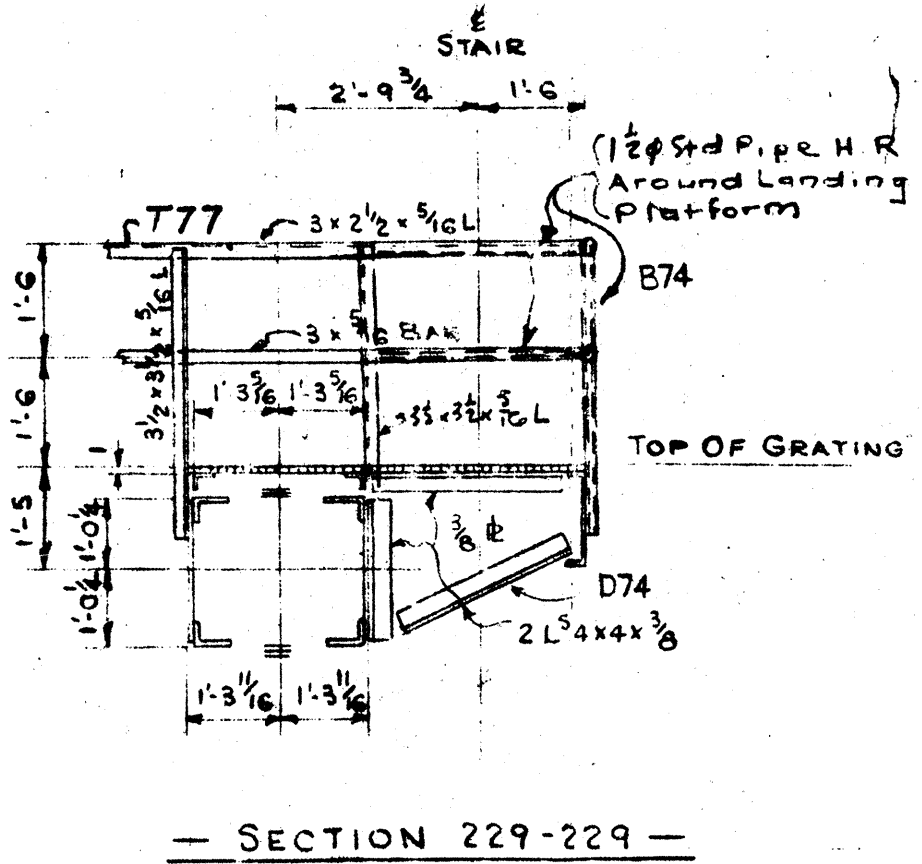
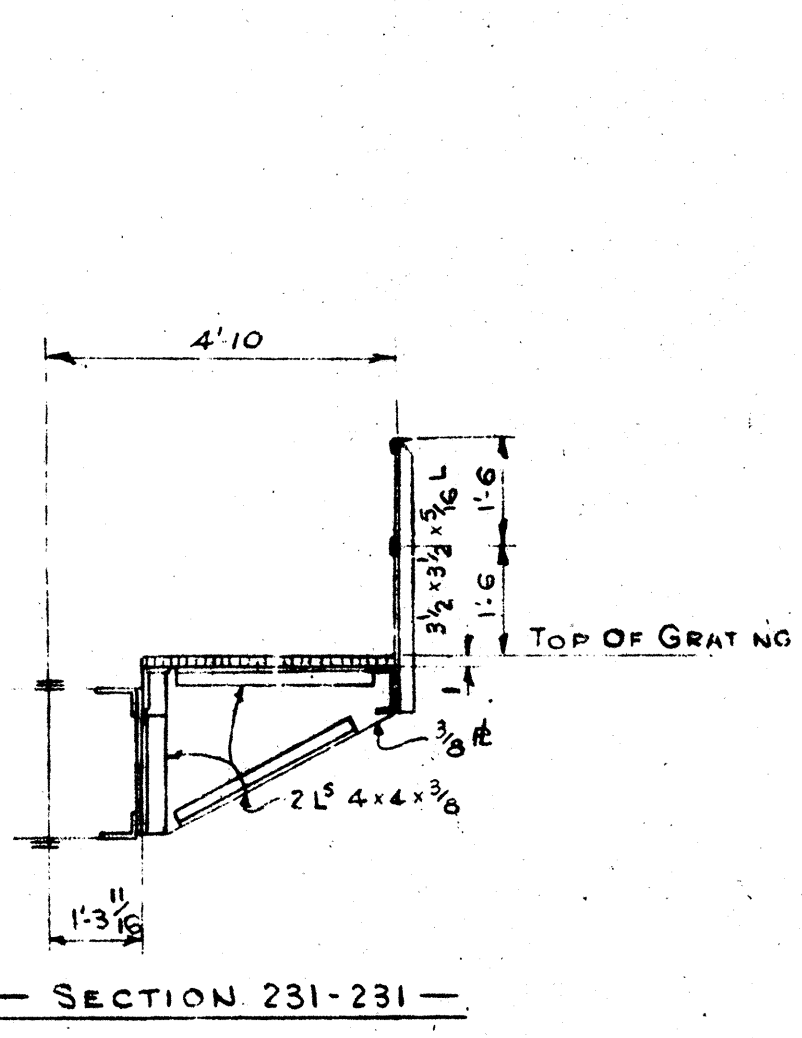
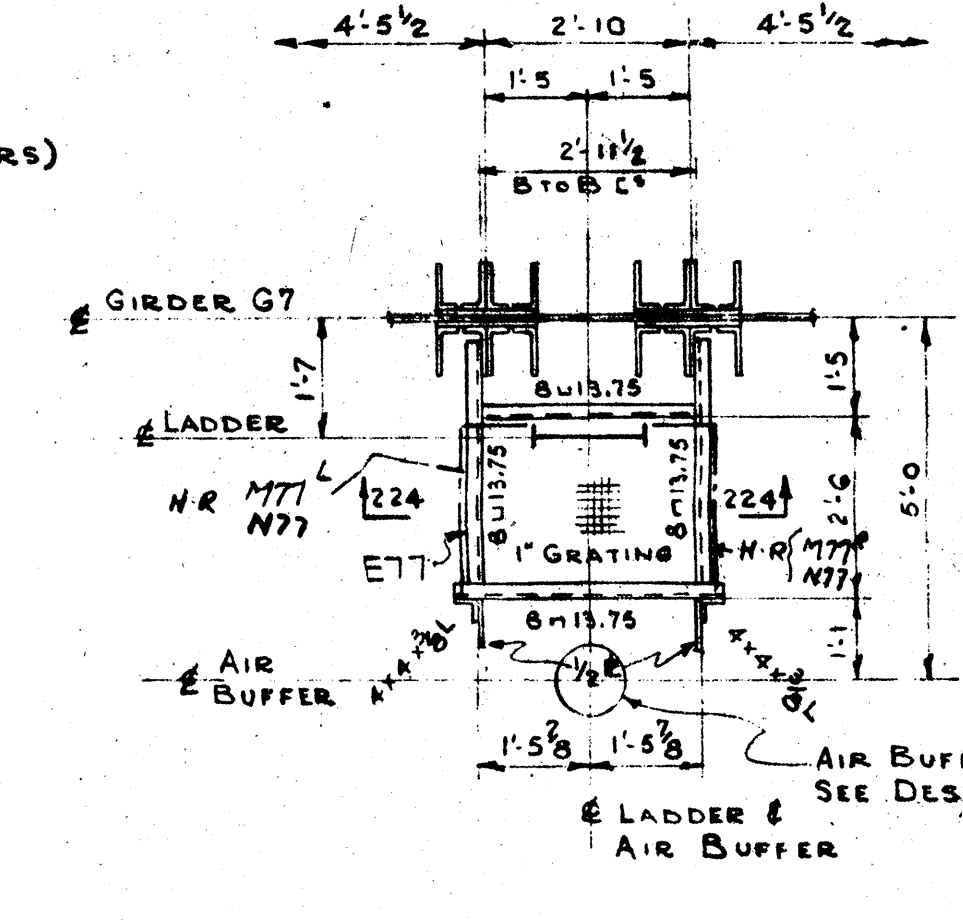
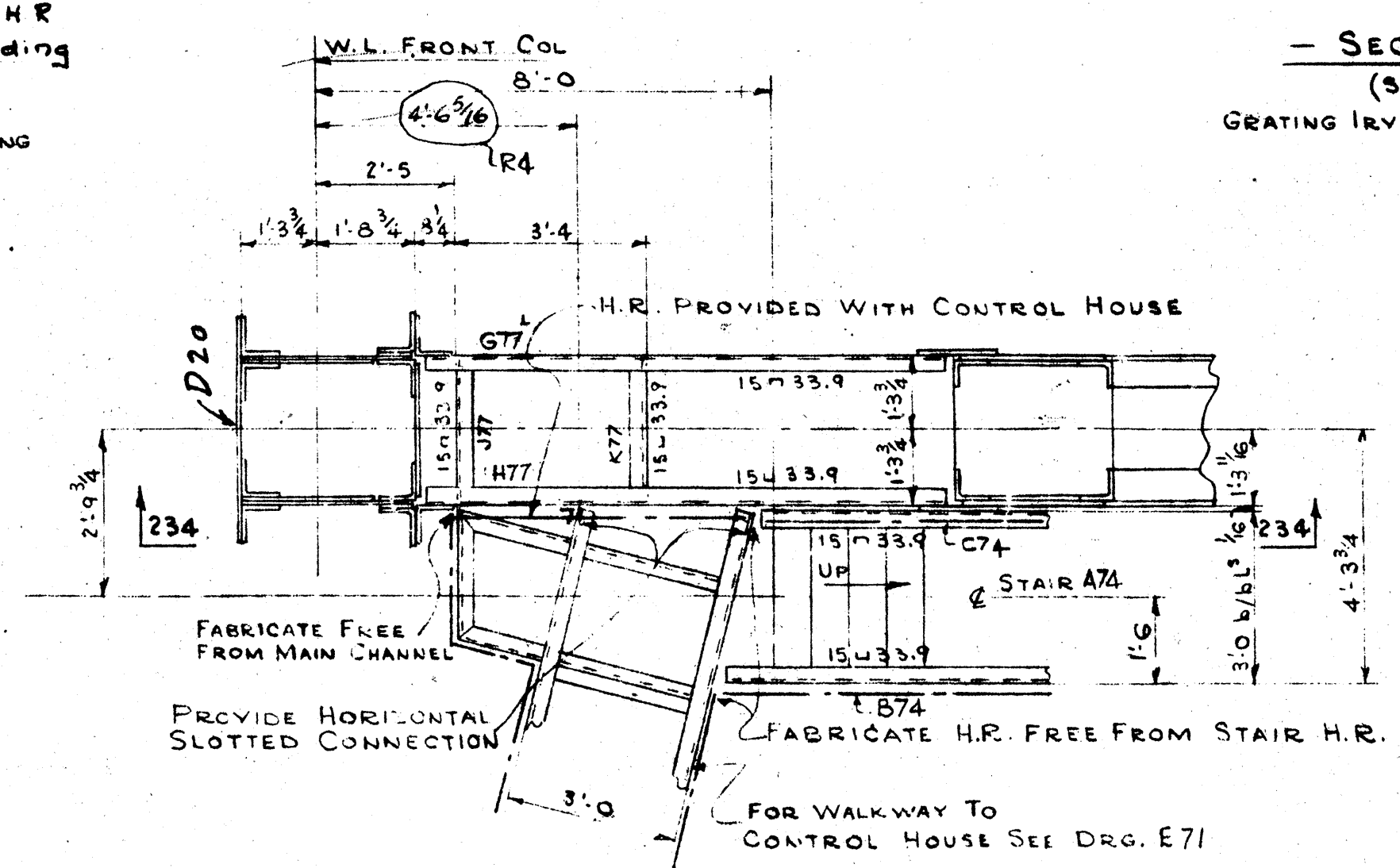
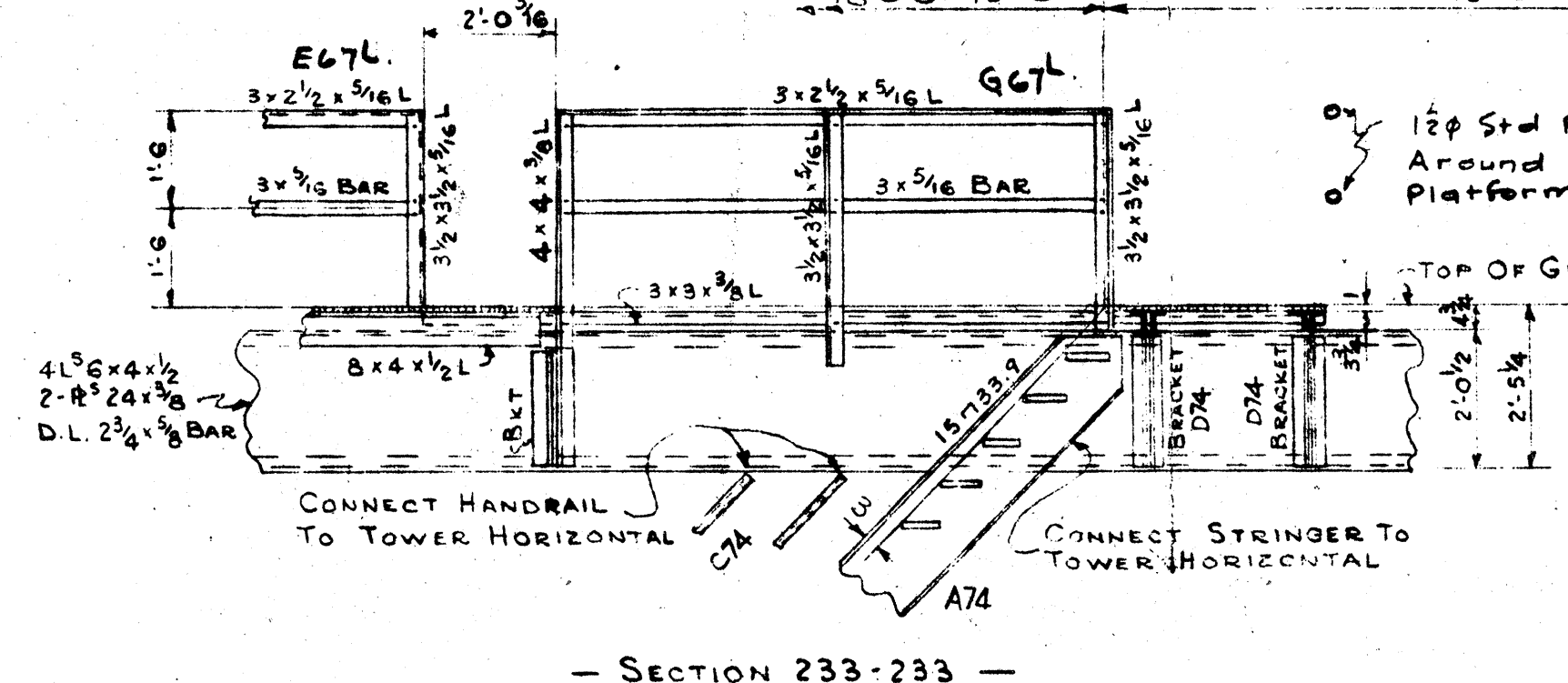
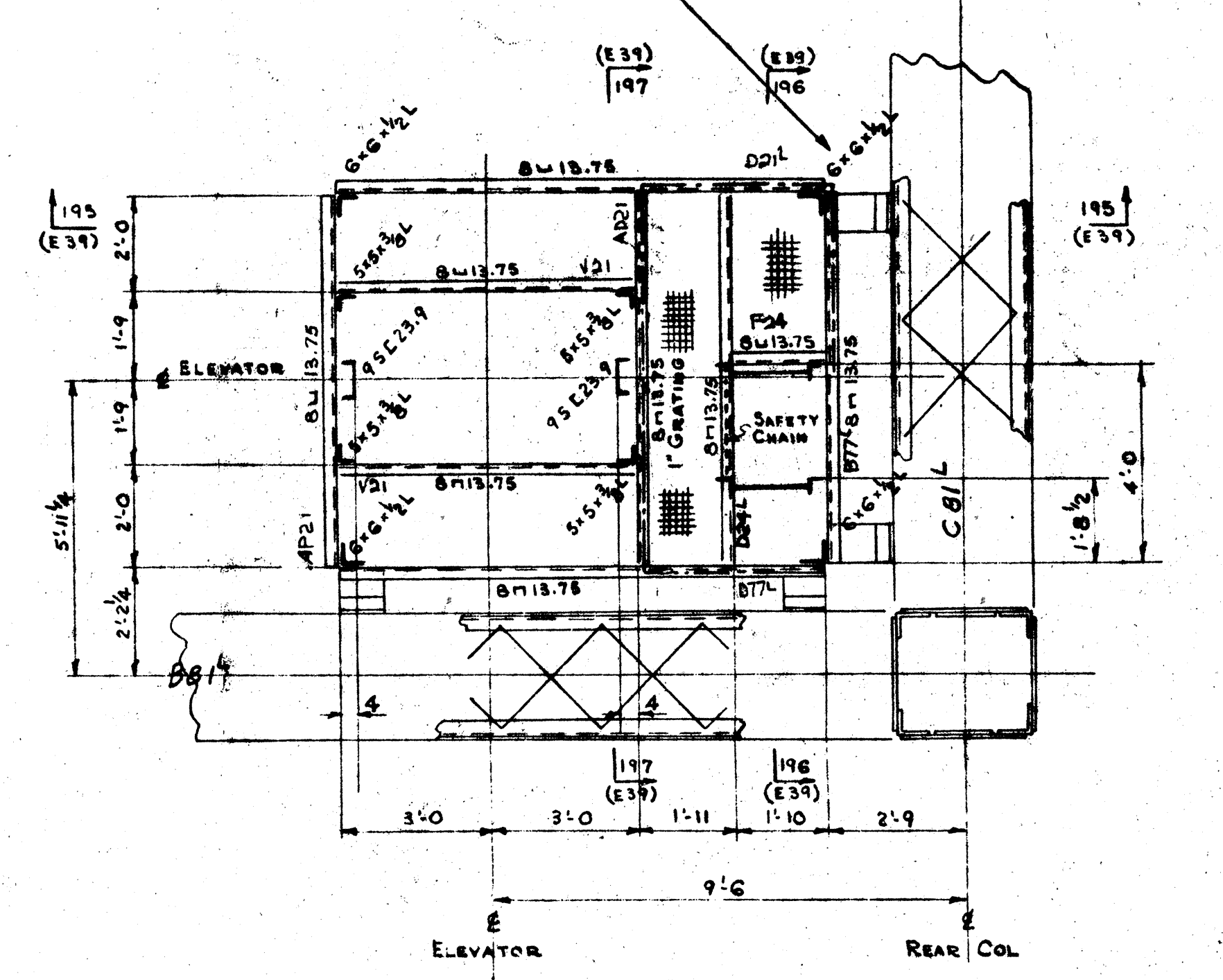
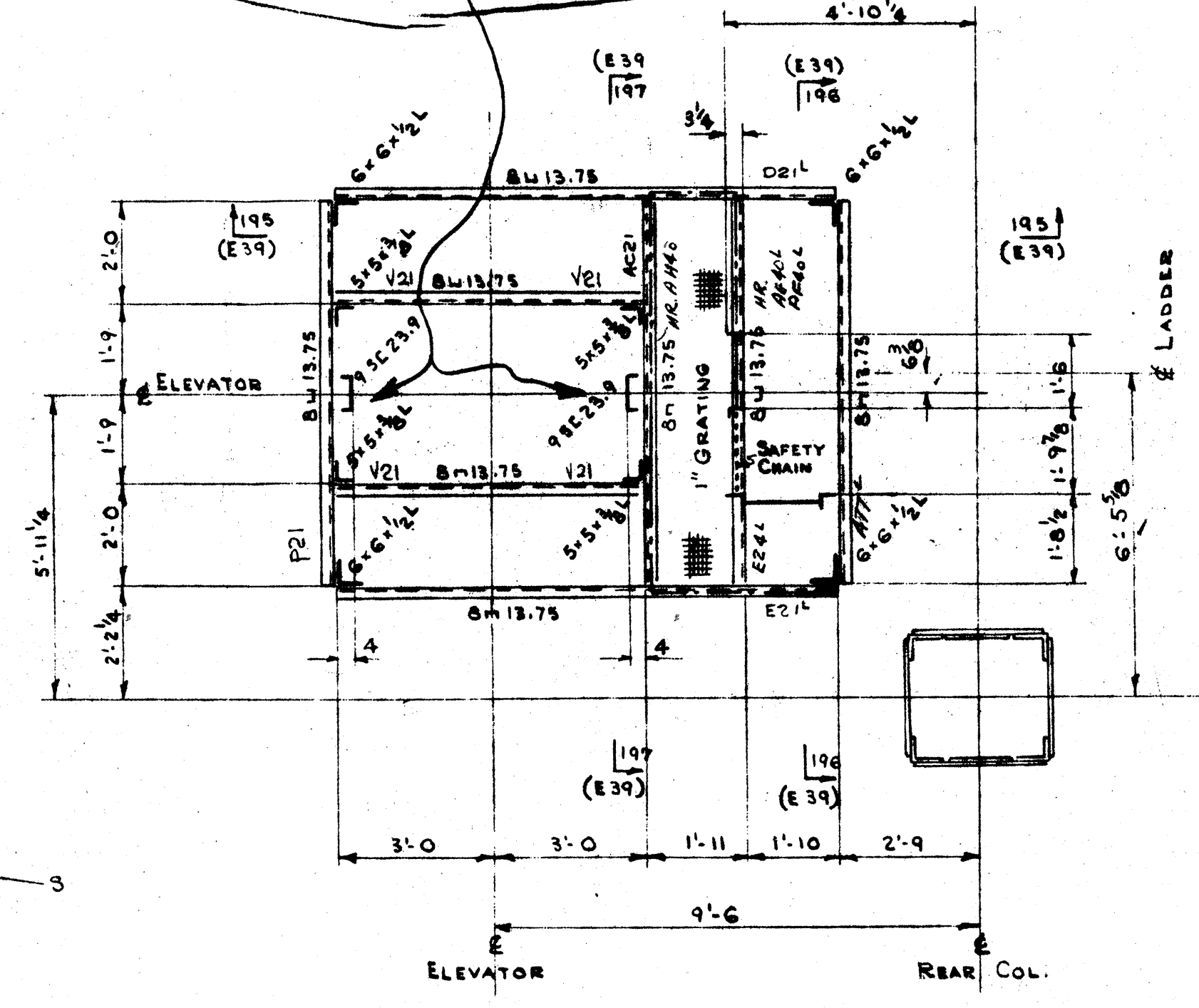
NOTE: FOR MACHINE HATCH OPENING SEE DRG. E14
 SHOP CONNECTION WELDED OR 3/8" RIVETS
 FIELD CONNECTION 3/4" M. BOLTS EXCEPT FLOOR R. FIELD WELDED.

CONT. 9636-ITS		REVISIONS	CUSTOMER
REVISED	Aug 29/19	DEPARTMENT OF PUBLIC WORKS - CANADA	
REVISED	Jan 14/20	BURLINGTON CANAL LIFT BRIDGE	
REVISED	Aug 19/20	DESIGNED BY C. C. PARKER & ASSOCIATES LTD.	
FOR GENERAL NOTES SEE DRG. E1		TITLE OF DRAWING	
		SOUTH TOWER MACHINE HOUSE	
		Bridge & Tank	
		Company of Canada Limited	
		HAMILTON BRIDGE DIVISION HAMILTON, ONTARIO	
		MADE BY J.D. STANLEY CONTRACT NO. 288-173	
		CHECKED BY J.D. STANLEY CONTRACT NO. 288-173 WORK ORDER	
		DRAWING - E-42	

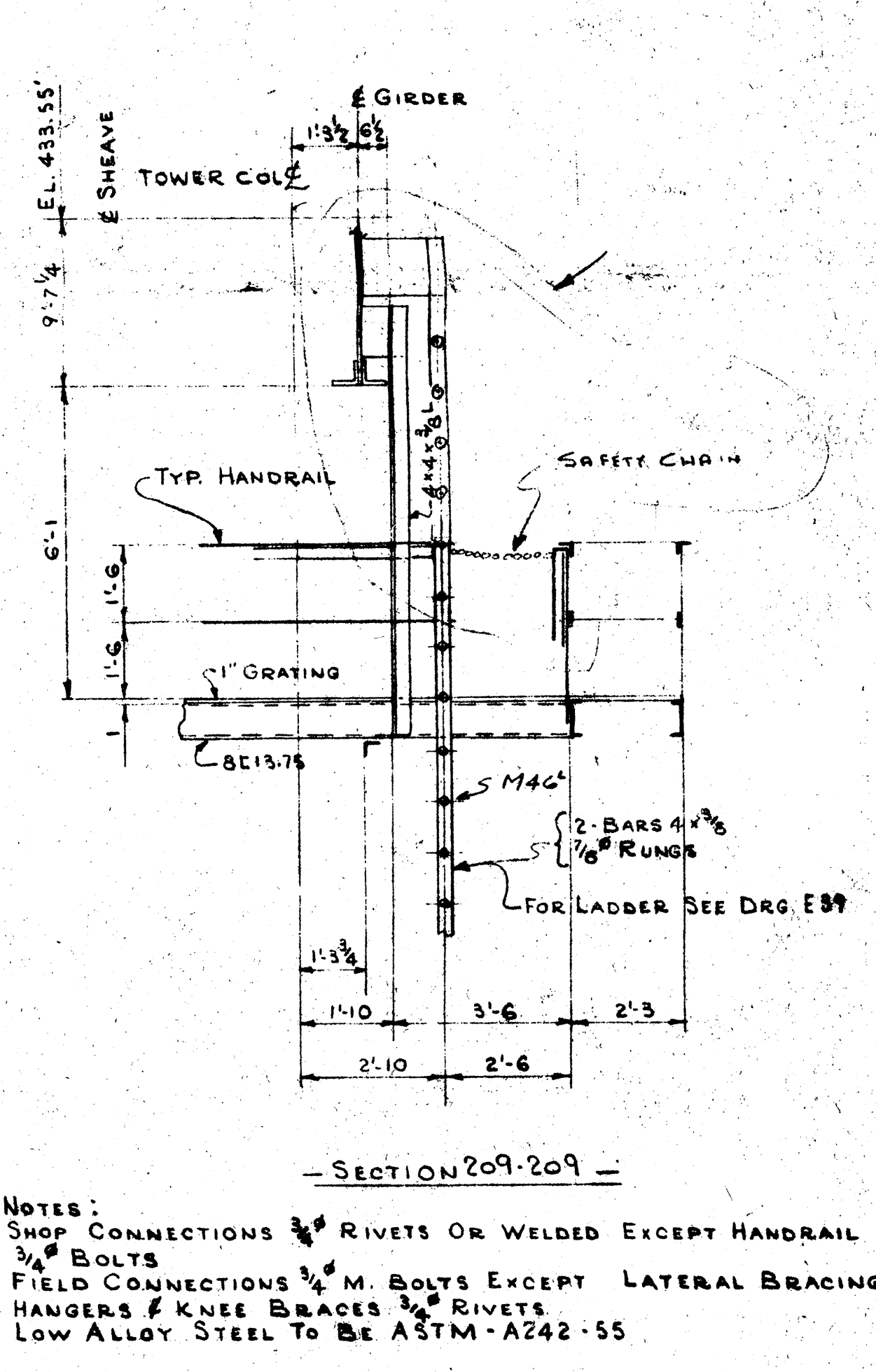
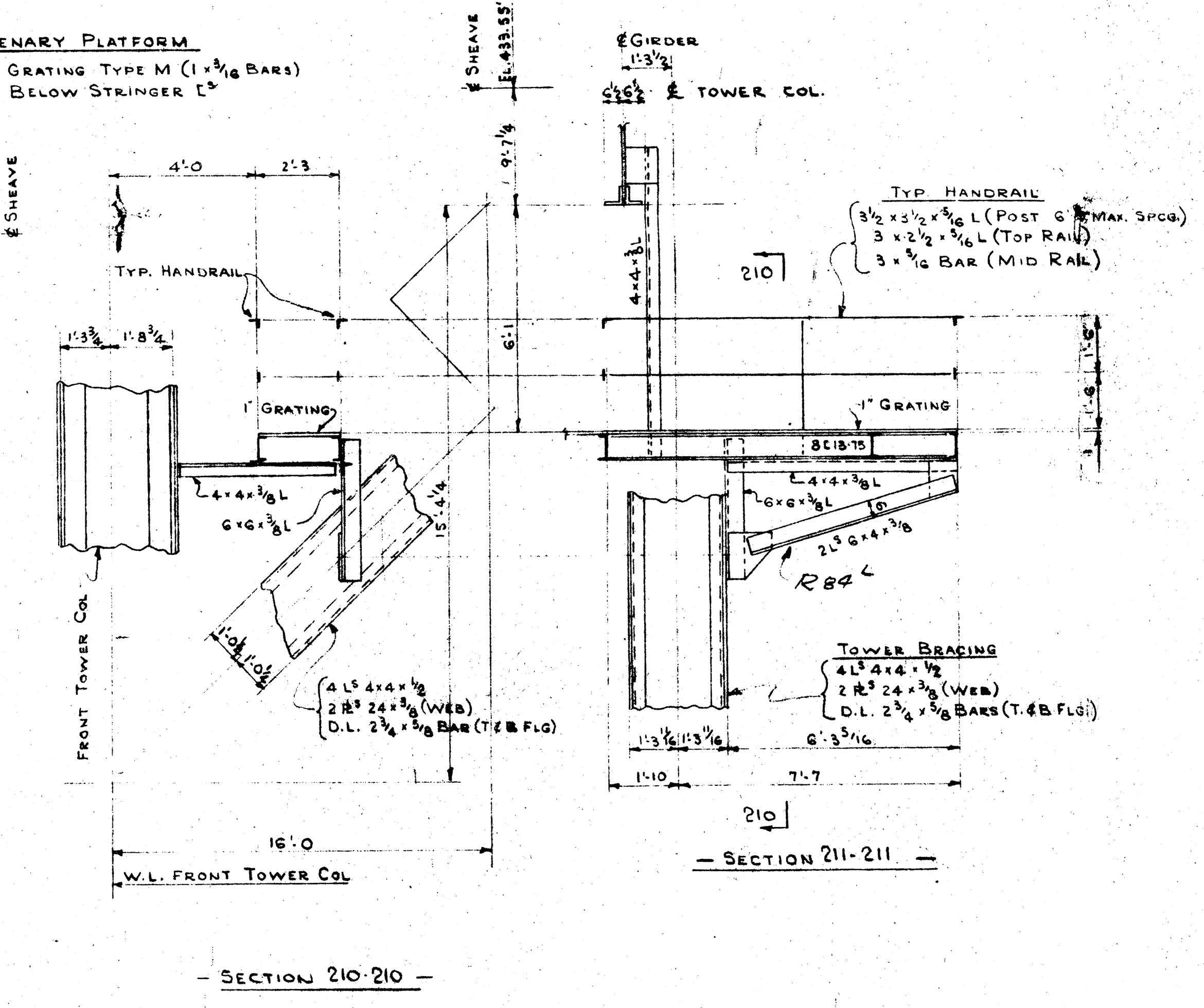
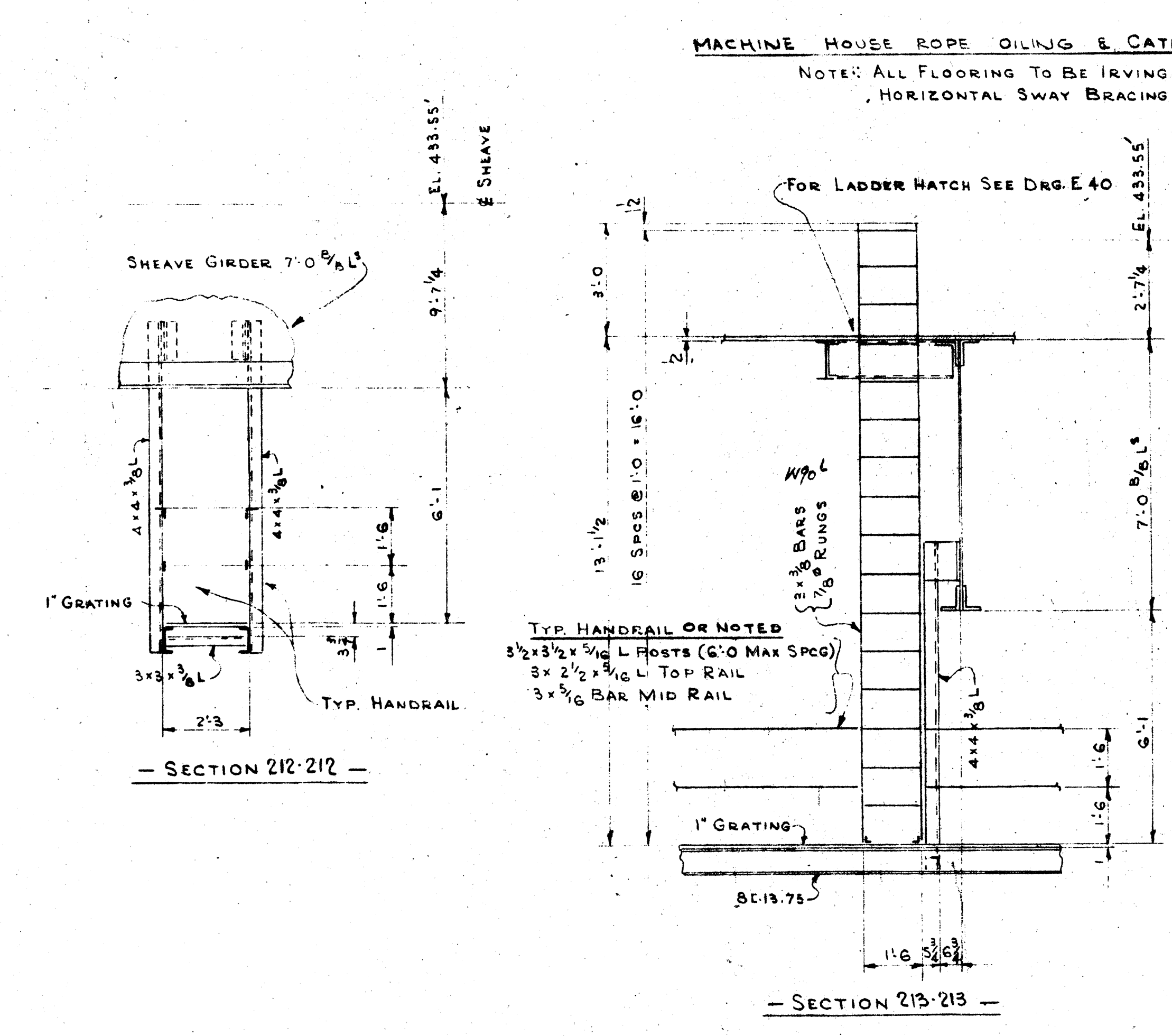
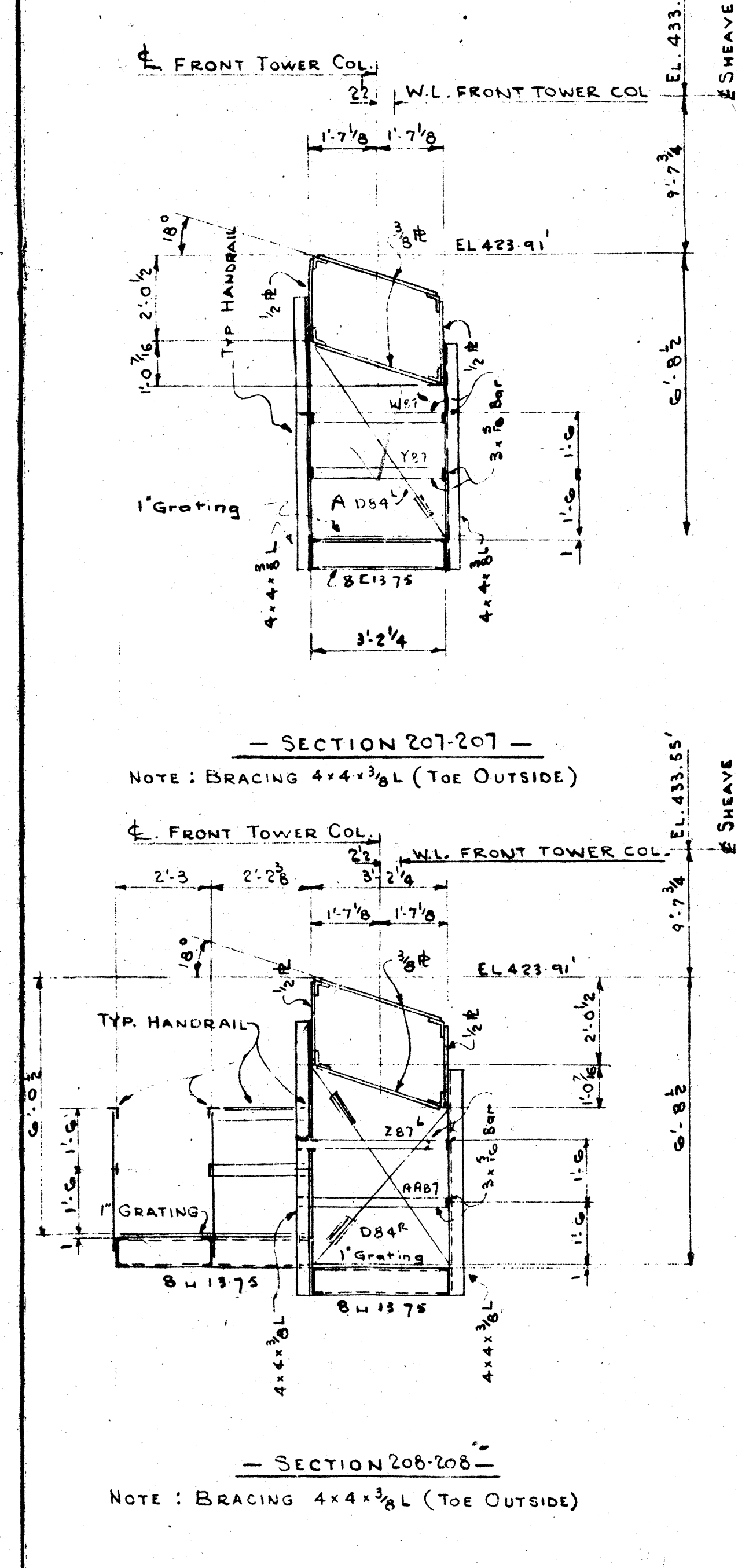
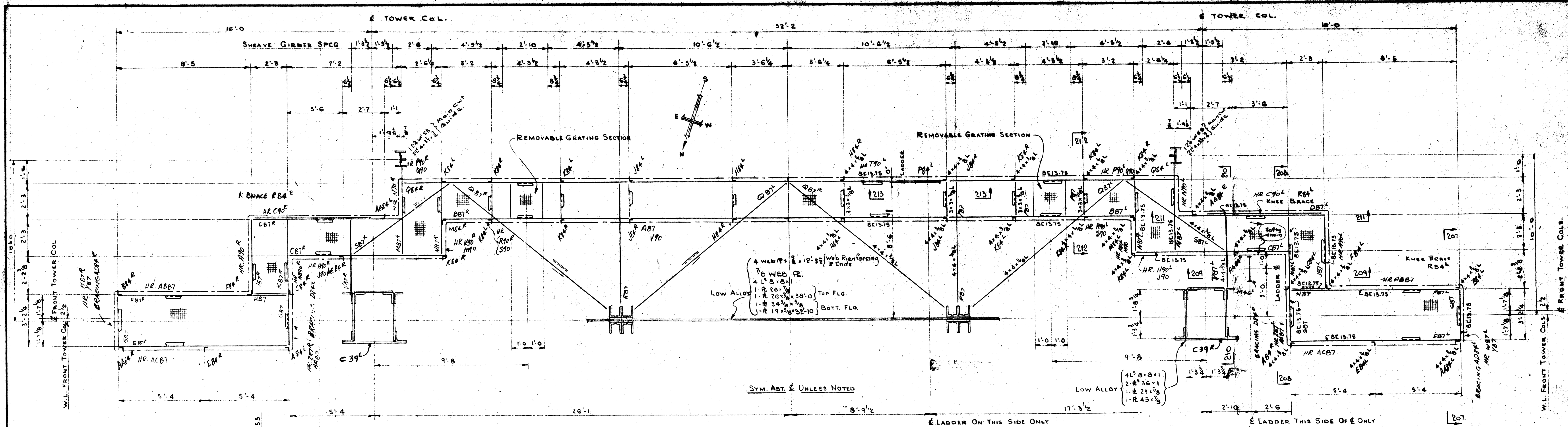


Erector Note:
Elevator Rail Supporting C's To Be Plumb Within 1" of Their Theoretical Position

NOTE:
LATERAL CONNECTIONS OF ELEVATOR TOWER BRACING TO MAIN MEMBERS TO BE MADE AFTER FULL SHEAVE LOAD IS IN PLACE

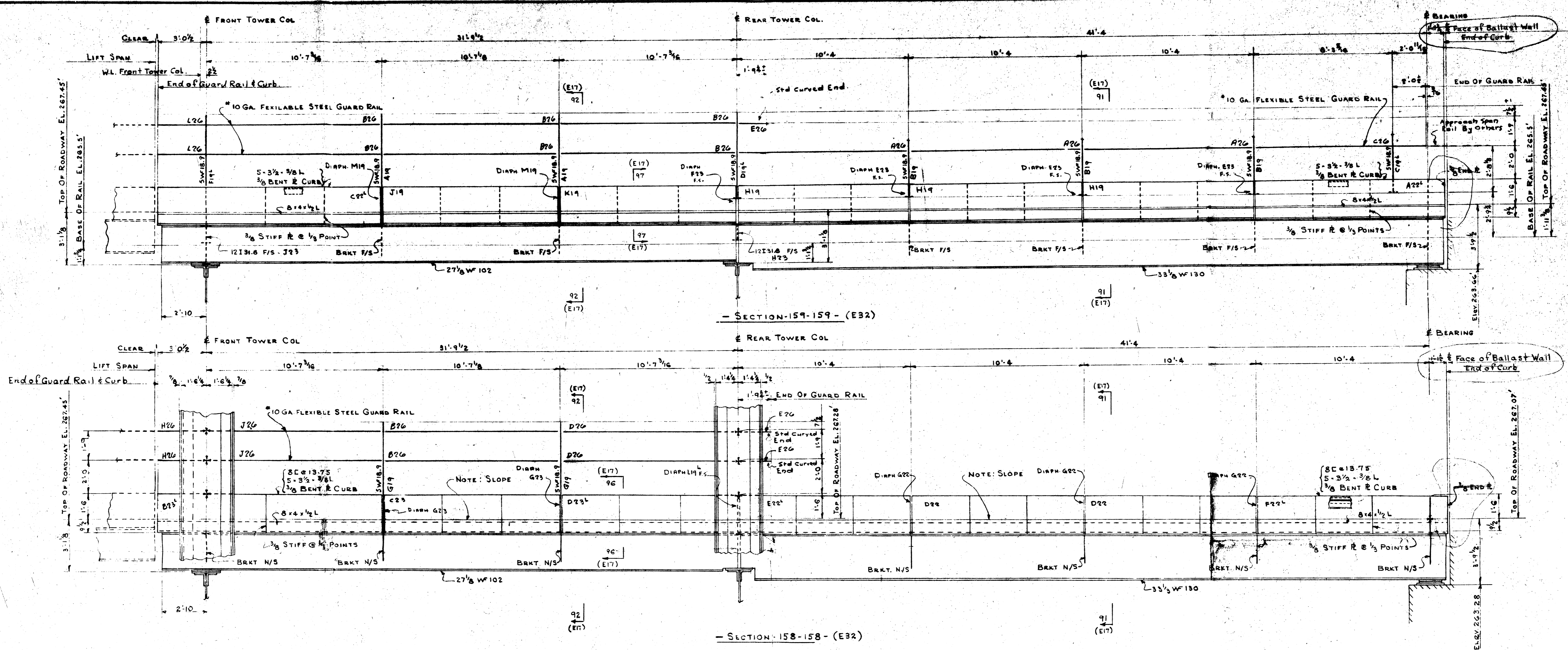


CONT. 9636-ITS		REVISED May 29/57 June 3/57 Jan 14/60	CUSTOMER DEPARTMENT OF PUBLIC WORKS—CANADA BURLINGTON CANAL LIFT BRIDGE
NOTES	DESIGN BY C. C. PARKER & ASSOCIATES LTD.	TITLE OF DRAWING SOUTH TOWER LADDER & ELEVATOR SHAFT	BRIDGE & TANK Company of Canada Limited
RIVETS		HAMILTON BRIDGE DIVISION	HAMILTON, ONTARIO
OPEN HOLES		MADE BY... STARTED... COMPLETED... CONTRACT 9636-ITS	
FOR GENERAL NOTES	SEE DRG. E1	CHECKED... JAW... STARTED... COMPLETED... WORK ORDER...	
FOR ADDITIONAL NOTES	SEE DRG. E3		
PAINT			
WELDING SPEC.			



NOTES:
 SHOP CONNECTIONS 3/8\"/>

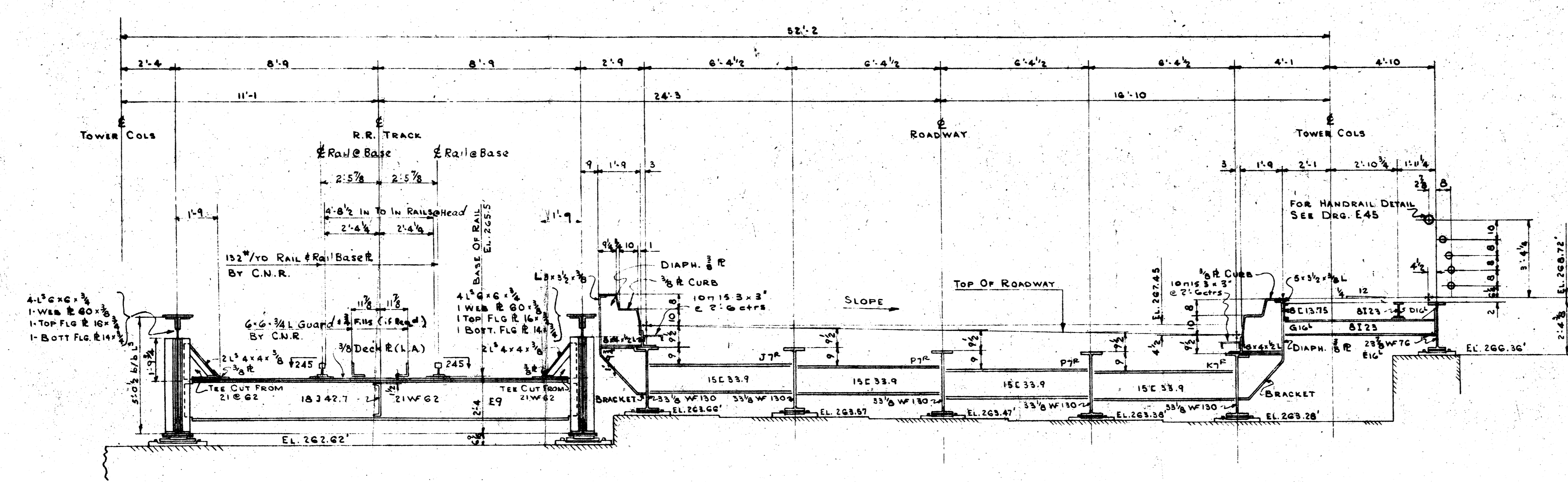
CONT. 9636-1TS		REVISED Aug 27/59 Jan 20/60	CUSTOMER DEPARTMENT OF PUBLIC WORKS—CANADA BURLINGTON CANAL LIFT BRIDGE C. C. PARKER & ASSOCIATES LTD.
REVISED	NOTES	NAME OF STRUCTURE	TITLE OF DRAWING
OPEN HOLES	FOR GENERAL NOTES SEE DRG. E1	DESIGN BY	MACHINE HOUSE ROPE OILING & CATENARY PLATFORM
PART		COMPANY	Bridge & Tank Company of Canada Limited
WELDING SPEC.		LOCATION	HAMILTON BRIDGE DIVISION HAMILTON, ONTARIO
		DATE	MADE BY: J.S. STARTED: COMPLETED: APRIL 15/60 CONTRACT 9636-1TS
		CHECKED: J.S.	DRAWING: E.42



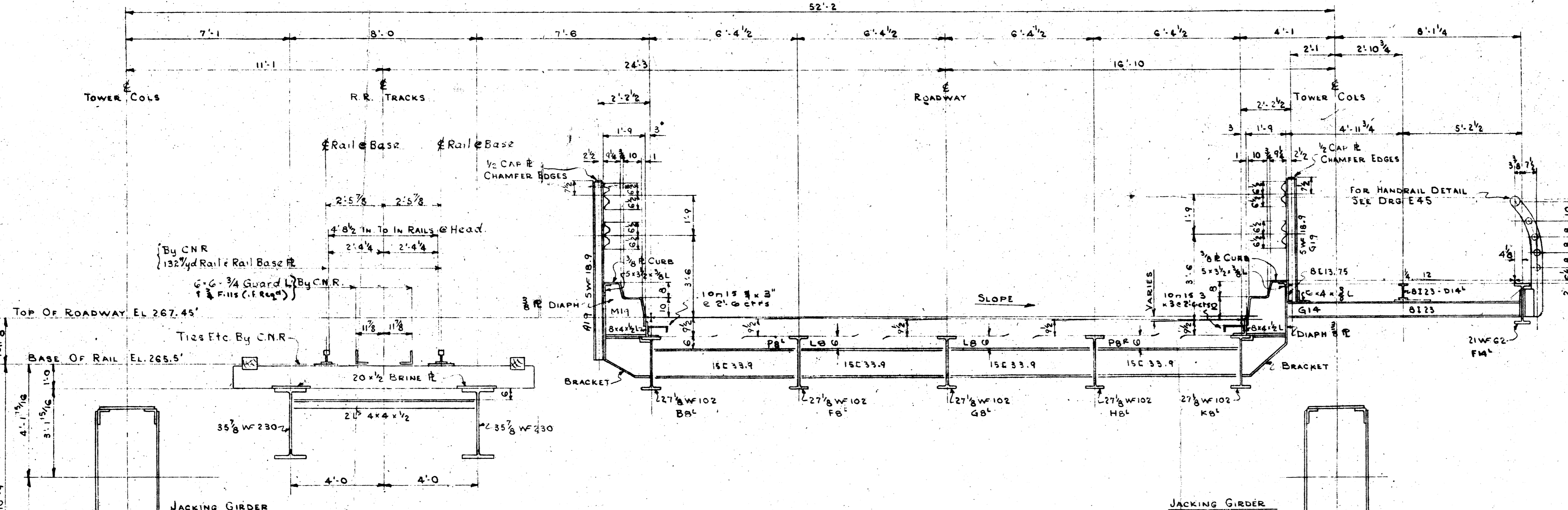
- NOTES -
 Shop Conns. Welded or Rivetted with 3/4" Rivets.
 Field Conns. Bolted with 3/4" H.S. Bolts unless Noted.

CONT. 9636-1TS

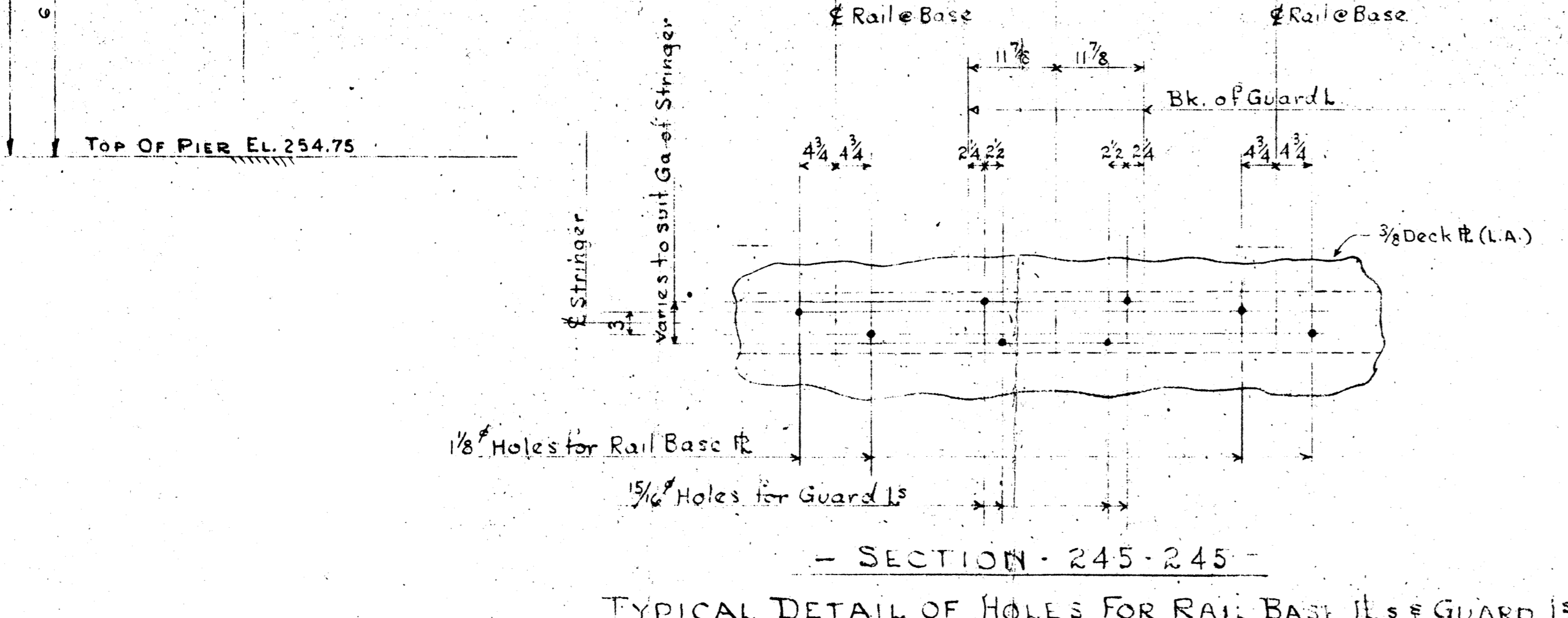
<p>RIVETS</p> <p>OPEN HOLES</p> <p>FOR GENERAL NOTES SEE DRG 9E1</p> <p>PAINT</p> <p>WELDING SPEC.</p>	<p>NOTES</p> <p>REVISIONS</p>	<p>CUSTOMER DEPARTMENT OF PUBLIC WORKS—CANADA</p> <p>NAME OF STRUCTURE BURLINGTON CANAL LIFT BRIDGE</p> <p>DESIGN BY C. C. PARKER & ASSOCIATES LTD.</p> <p>TITLE OF DRAWING SOUTH TOWER APPROACH SECTIONS</p> <p>Bridge & Tank <i>Company of Canada Limited</i></p> <p>HAMILTON BRIDGE DIVISION HAMILTON, ONTARIO</p> <p>MADE BY... STARTED... COMPLETED... CONTRACT 9636-1TS</p> <p>CHECKED... STARTED... COMPLETED... WORK ORDER</p> <p>DRAWING... E.42</p>
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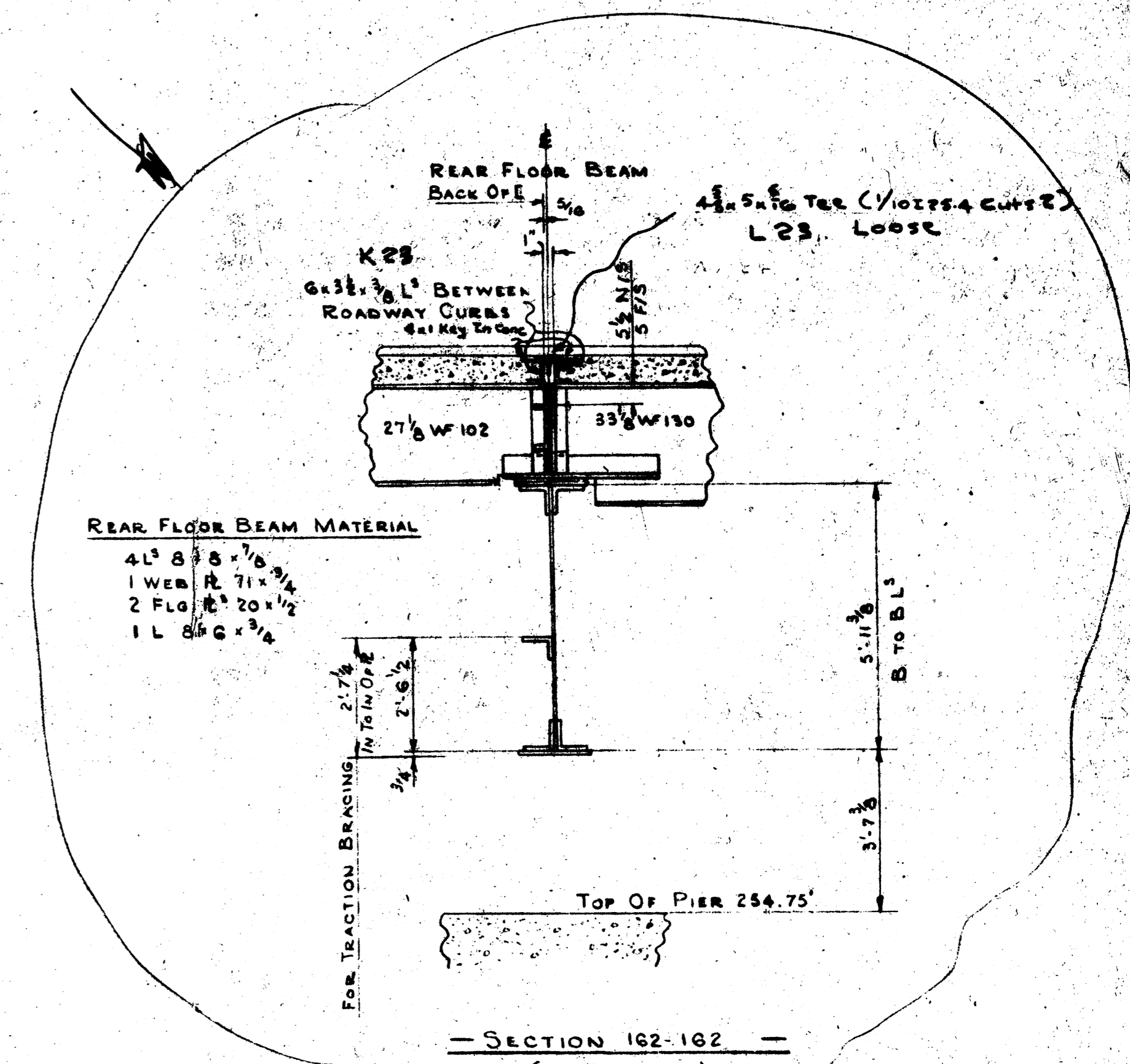
SECTION 164-164
(SEE DRG E32)



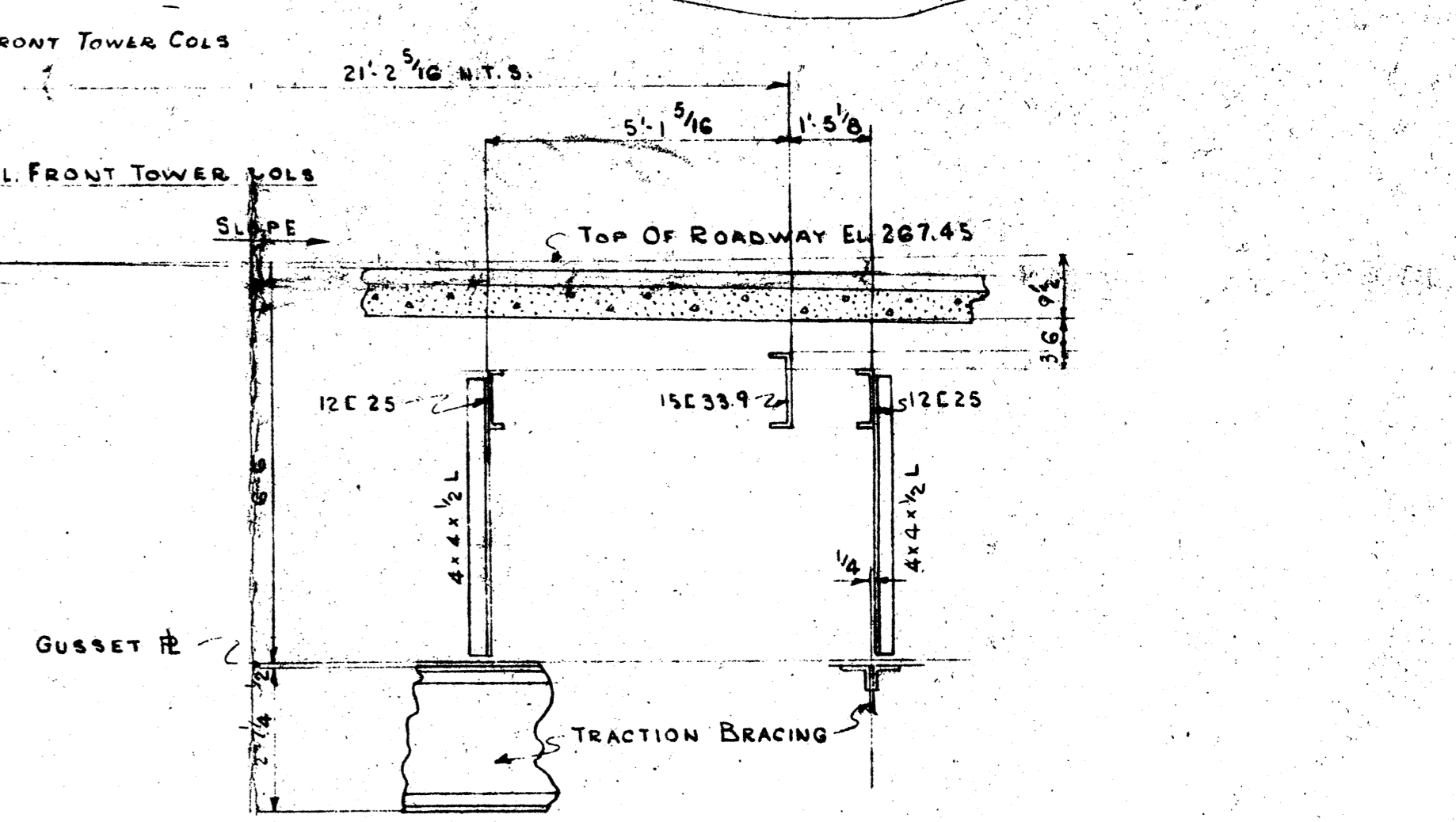
SECTION 163-163
(SEE DRG E32)



SECTION 245-245
TYPICAL DETAIL OF HOLES FOR RAIL BASE FLANGES & GUARD RAILS



SECTION 162-162
(SEE DRG E32)

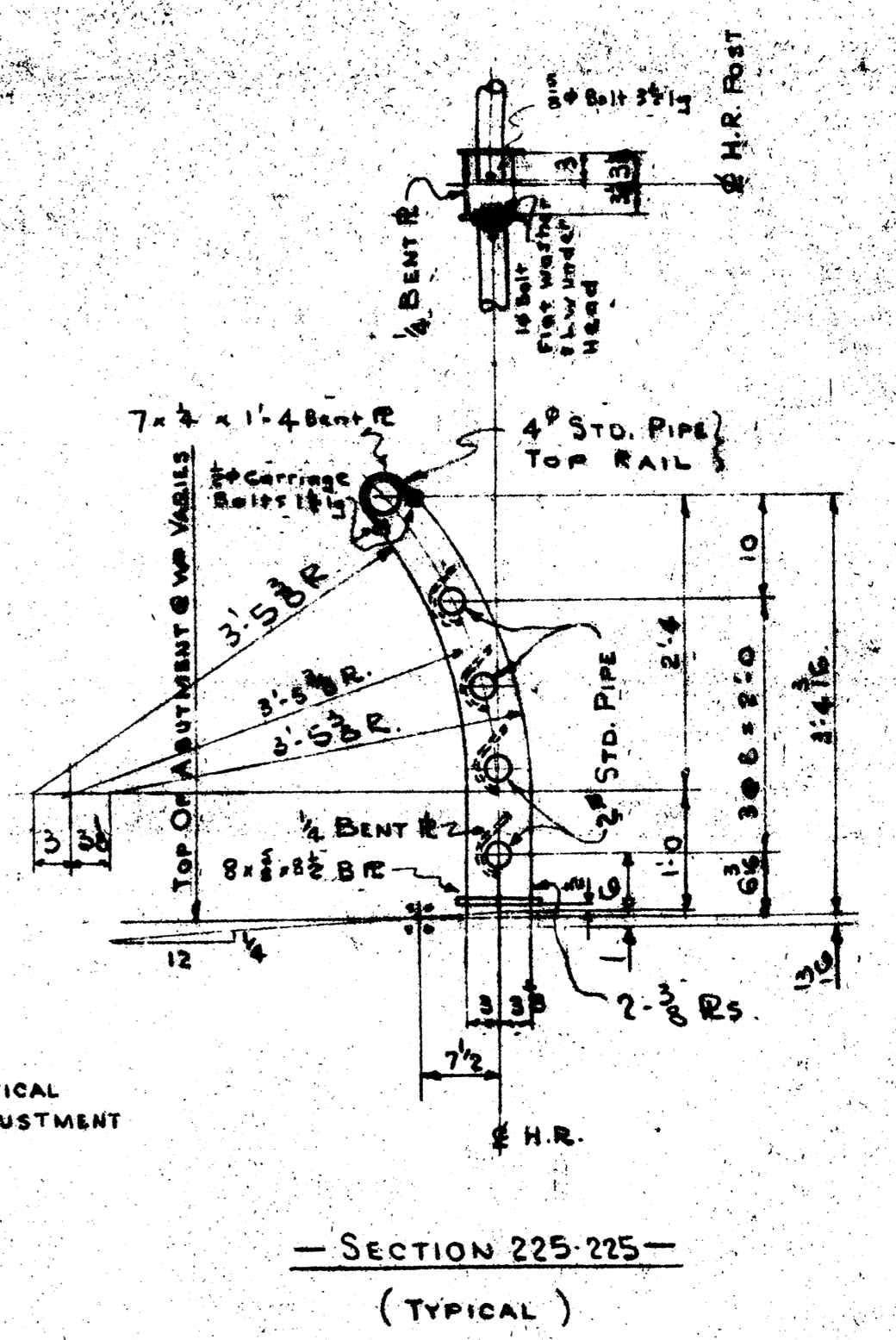
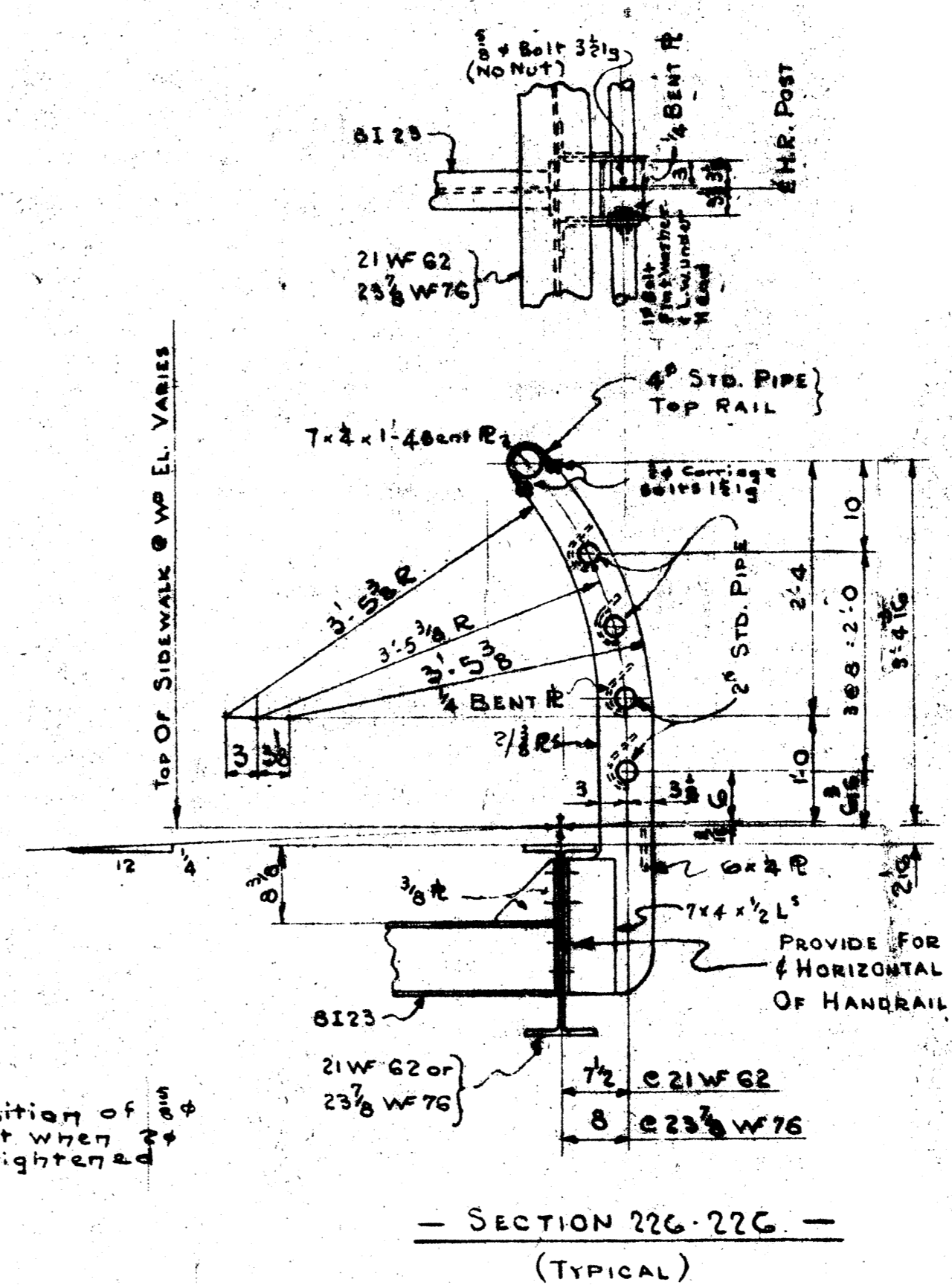
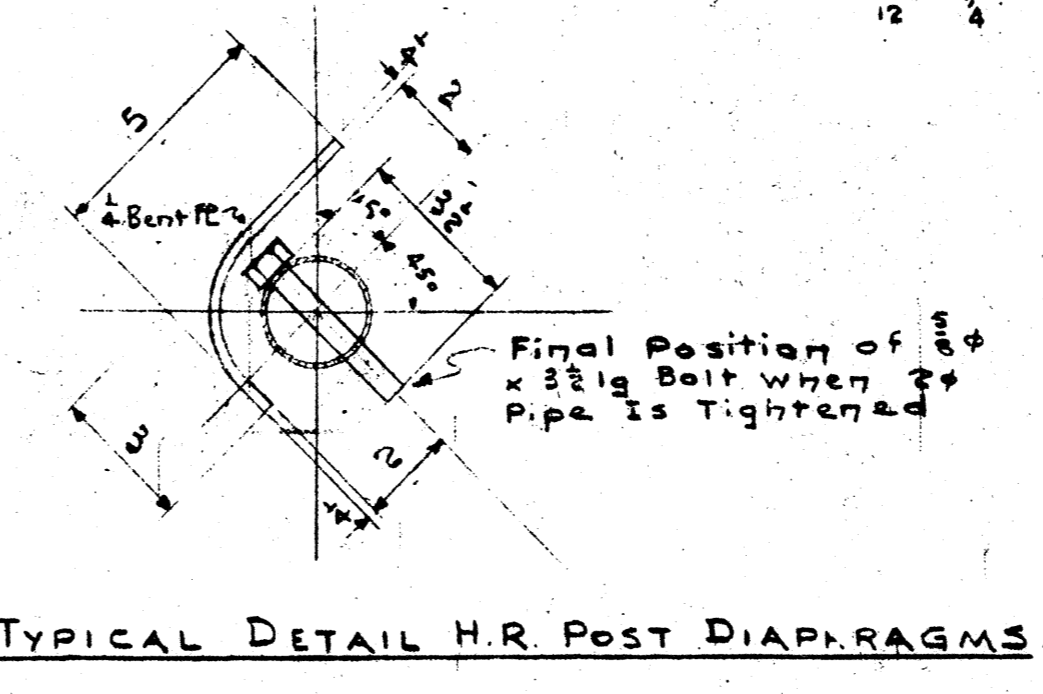
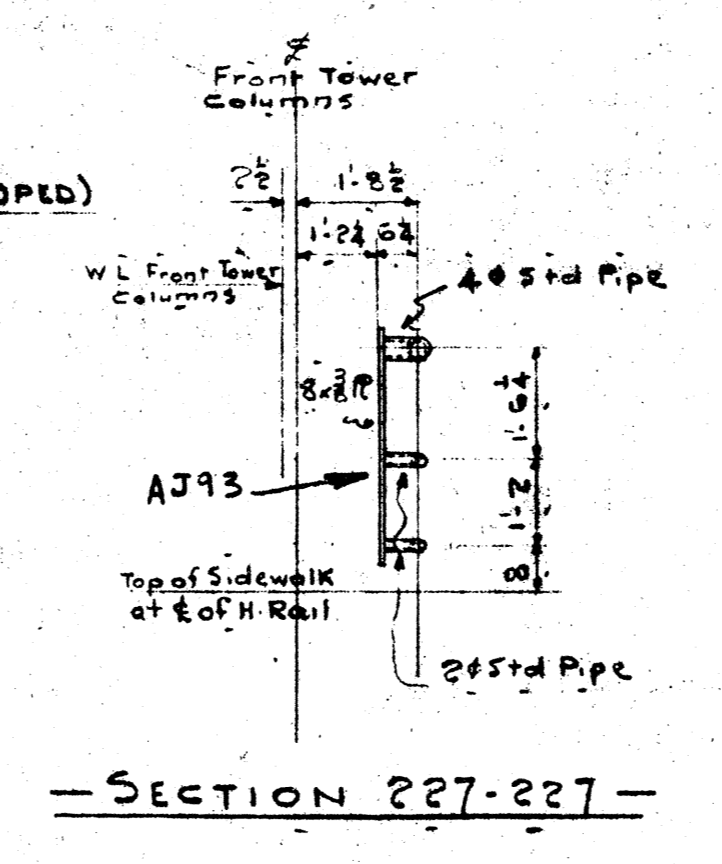
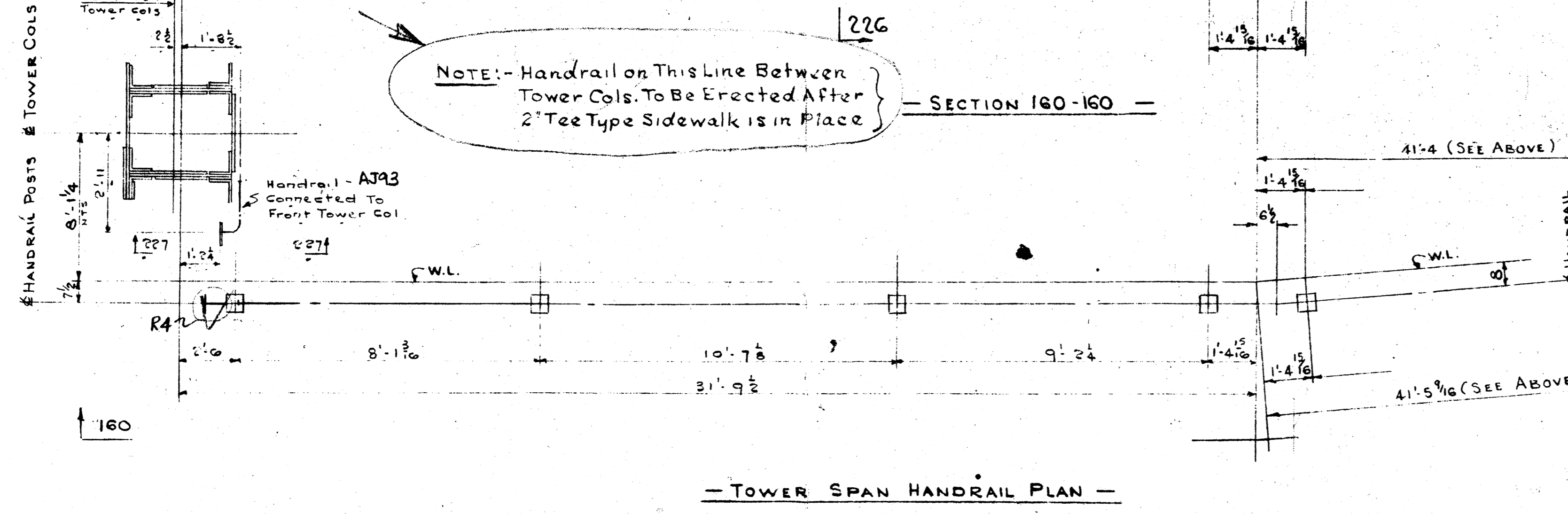
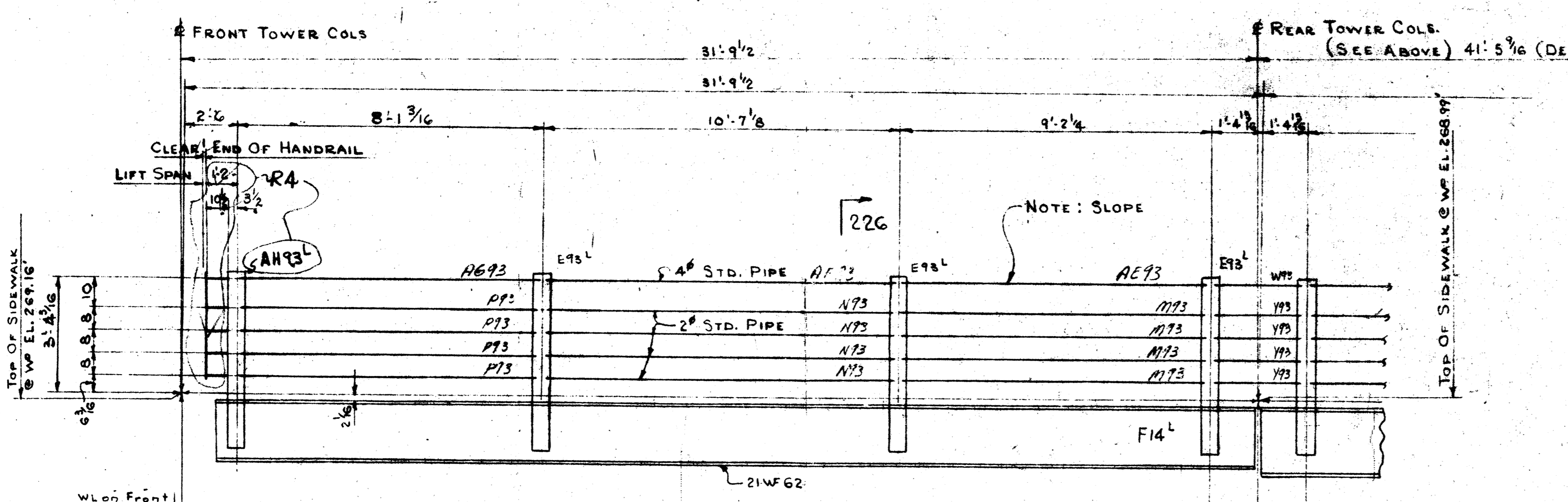
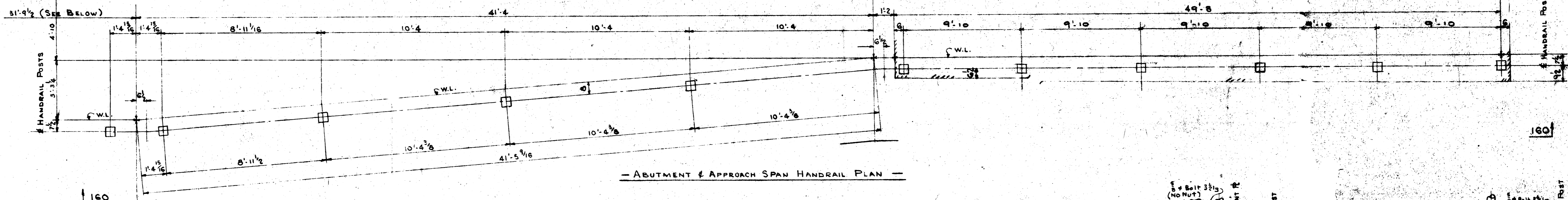
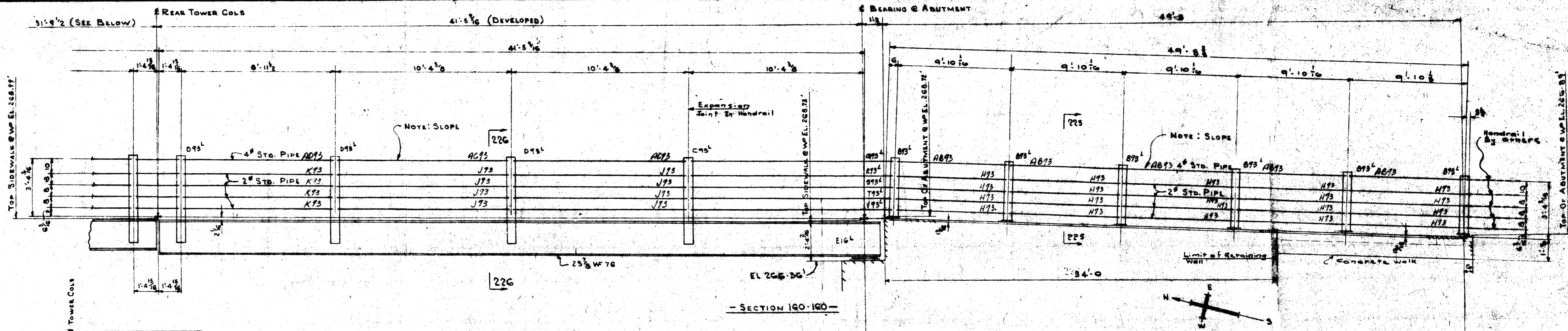


SECTION 161-161
(SEE DRG E32)

NOTES
ALL MATL. MARKED L.A. TO BE LOW ALLOY STEEL ASTM A242-55 OR EQUAL

CONT. 9636-ITS

RIVETS	NOTES	REVISED	CUSTOMER DEPARTMENT OF PUBLIC WORKS—CANADA NAME OF STRUCTURE BURLINGTON CANAL LIFT BRIDGE DESIGN BY C. C. PARKER & ASSOCIATES LTD. TITLE OF DRAWING SOUTH TOWER APPROACH SPAN SECTIONS Bridge & Tank <i>Company of Canada Limited</i> HAMILTON BRIDGE DIVISION HAMILTON, ONTARIO MADE BY... STARTED... COMPLETED... CHECKED... J.A.W. STARTED... COMPLETED... DRAWING... E.4.4
	OPEN HOLES FOR GENERAL NOTES SEE DRAWING E1	June 1/59 June 25/59 March 19/60	
PAINT		LAST ASSEMBLY MARKS	
WELDING SPEC.			

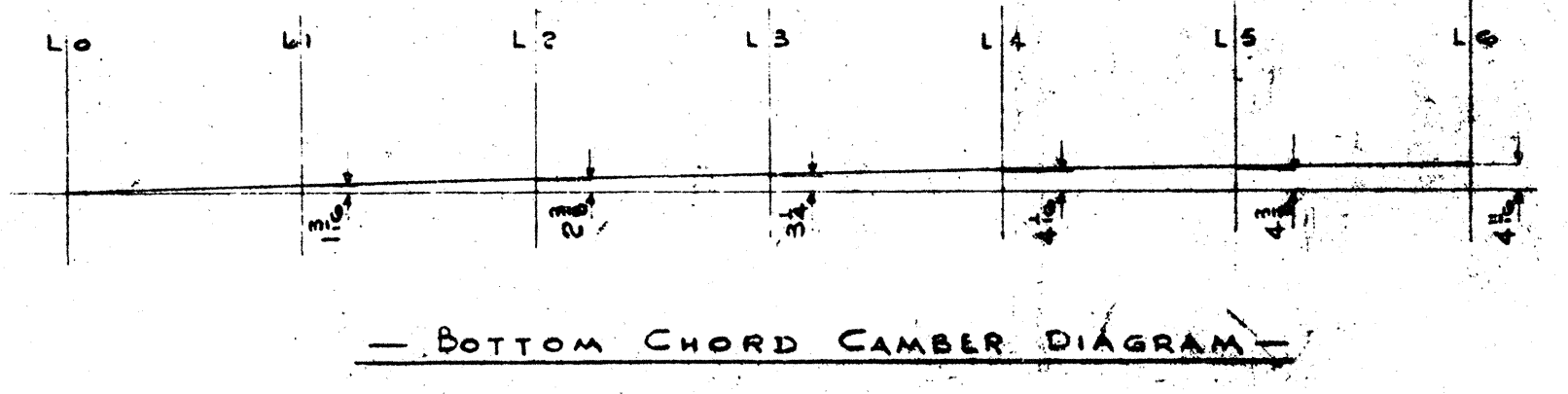
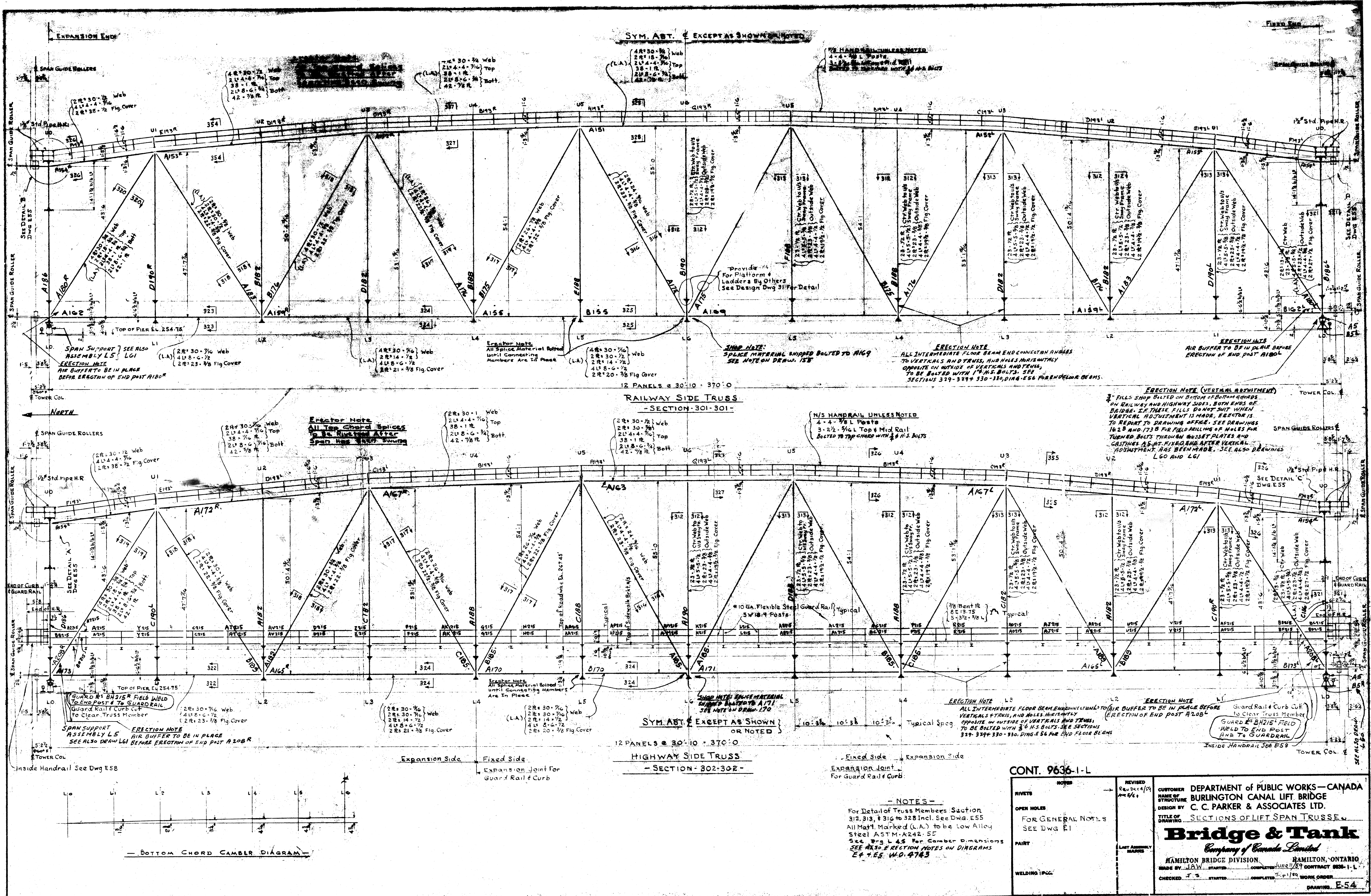


NOTE: - Handrail on this line between tower cols. to be erected after 2\"/>

NOTES:
 SHOP CONNECTIONS WELDED OR NOTED
 FIELD CONNECTIONS 3/4\"/>

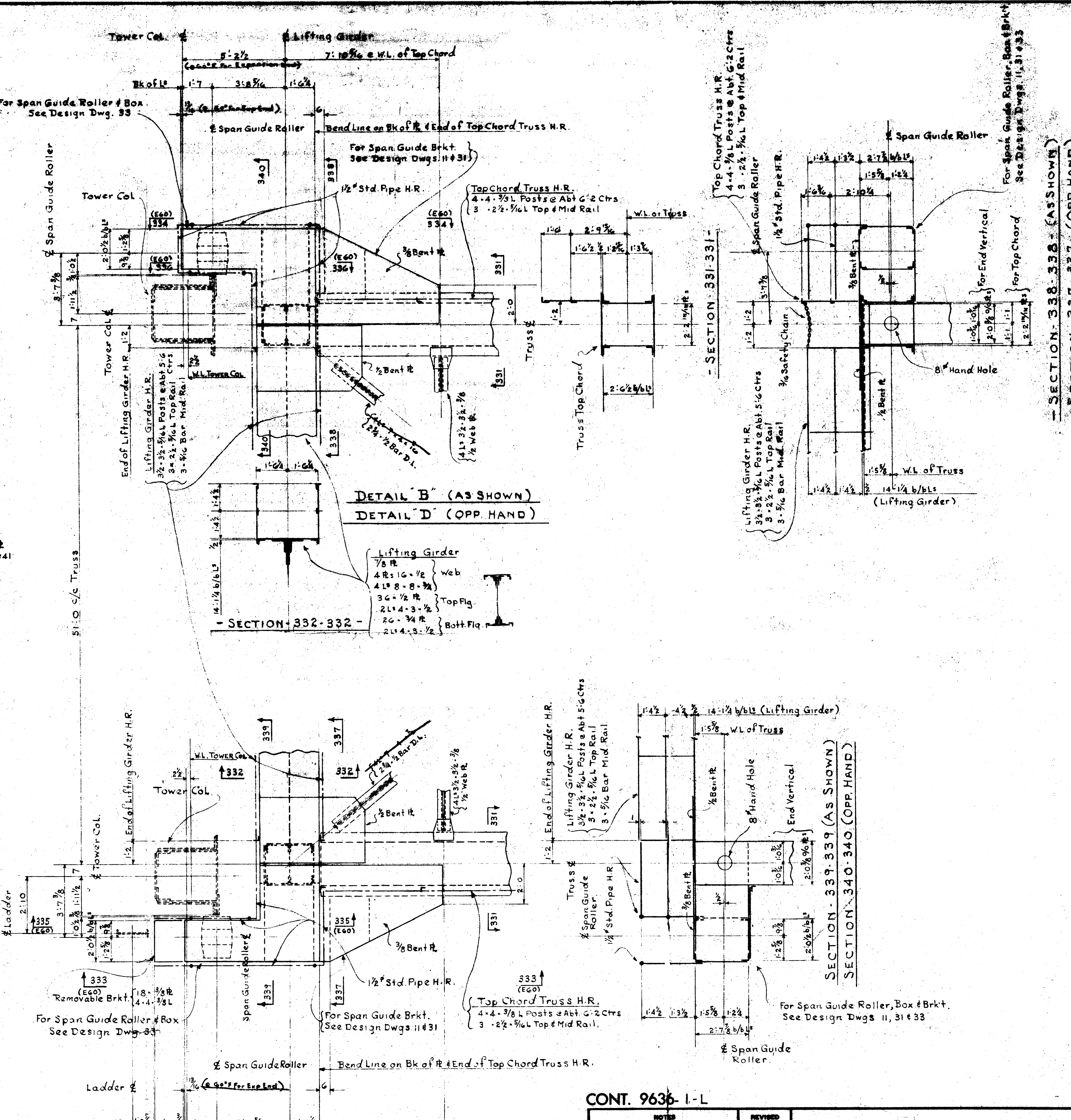
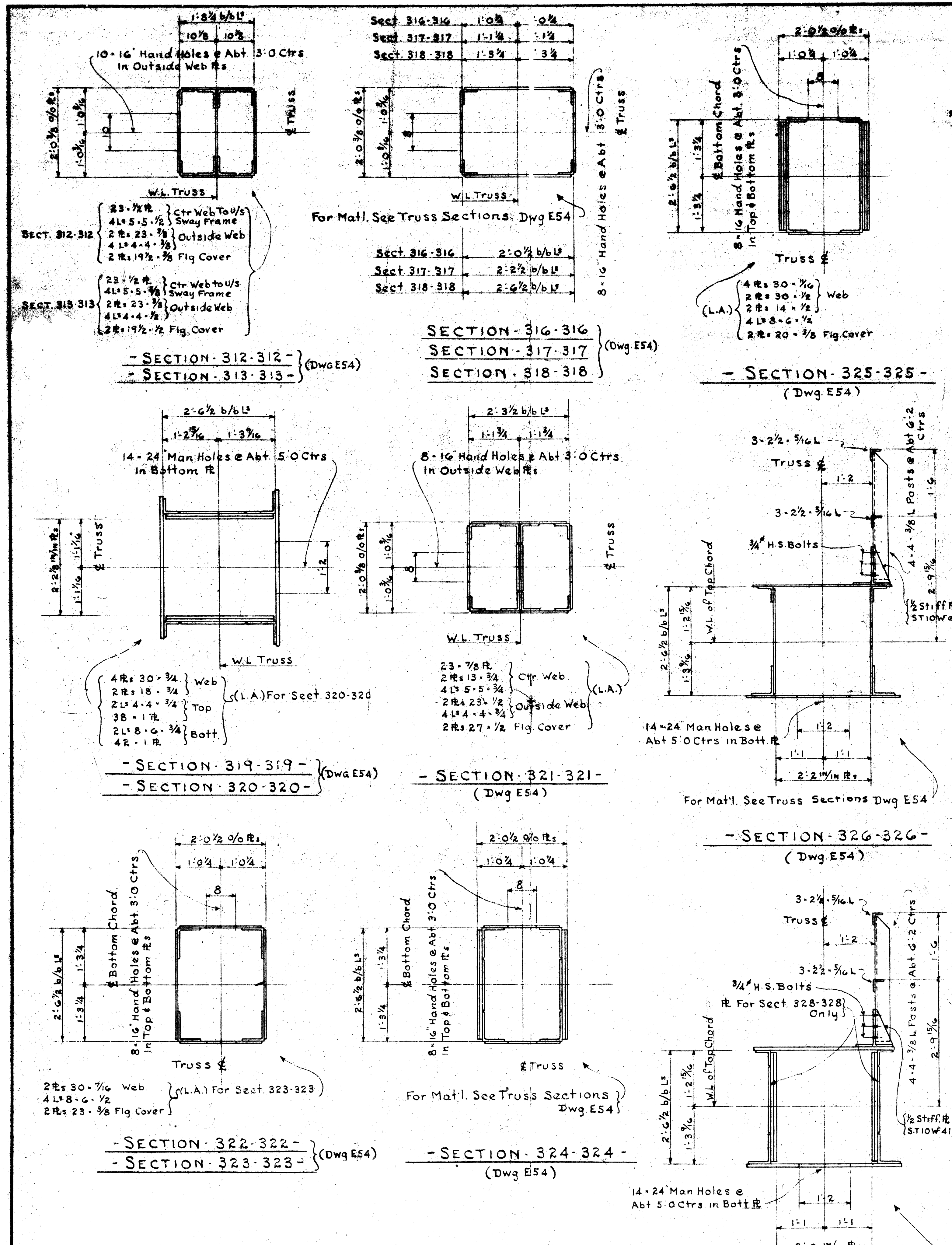
CONT. 9636-1TS

REVISED	NOTES	CUSTOMER
June 29/59		DEPARTMENT OF PUBLIC WORKS—CANADA
Aug 29/59		BURLINGTON CANAL LIFT BRIDGE
May 15/60		DESIGN BY C. C. PARKER & ASSOCIATES LTD.
June 13/60		TITLE OF DRAWING: HANDRAIL FOR SOUTH TOWER & APPROACH
		Bridge & Tank
		Company of Canada Limited
		HAMILTON BRIDGE DIVISION HAMILTON, ONTARIO
		MADE BY: D.S. STARTS COMPLETED: APRIL 1960 CONTRACT 888-175
		CHECKED: J.S. DRAWN: M.C. WORK ORDER: DRAWING: E.S.S.



NOTES
 For Detail of Truss Members Section 312, 313, & 316 to 328 Incl. See Dwg. E55
 All Mat'l. Marked (L.A.) to be Low Alloy Steel ASTM-A242-55
 See Fig. L-43 for Camber Dimensions
 SEE ALSO SECTION NOTES ON DIMENSIONS E4-E5, W.O. 4743

CONT. 9636-1-L		DEPARTMENT OF PUBLIC WORKS—CANADA BURLINGTON CANAL LIFT BRIDGE C. C. PARKER & ASSOCIATES LTD. DESIGN BY Bridge & Tank Company of Canada Limited HAMILTON BRIDGE DIVISION HAMILTON, ONTARIO MADE BY J.A.M. STARTED COMPLETED 1957 CONTRACT 9636-1-L CHECKED J.S. STARTED COMPLETED 1957 WORK ORDER DRAWING E54
RIVETS OPEN HOLES PAINT WELDING 1/2"	REVISED REASON DATE LAST ASSEMBLY MARKS	



CONT. 9636-1-L

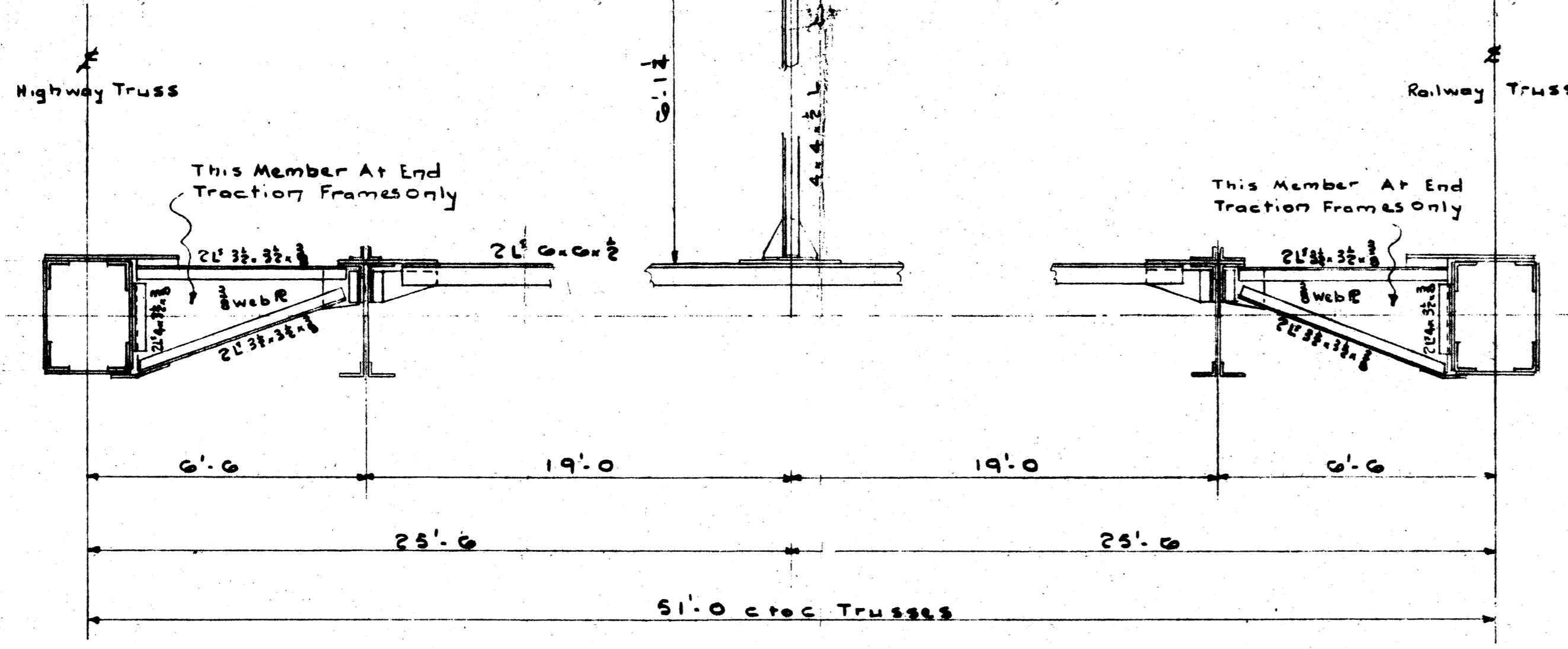
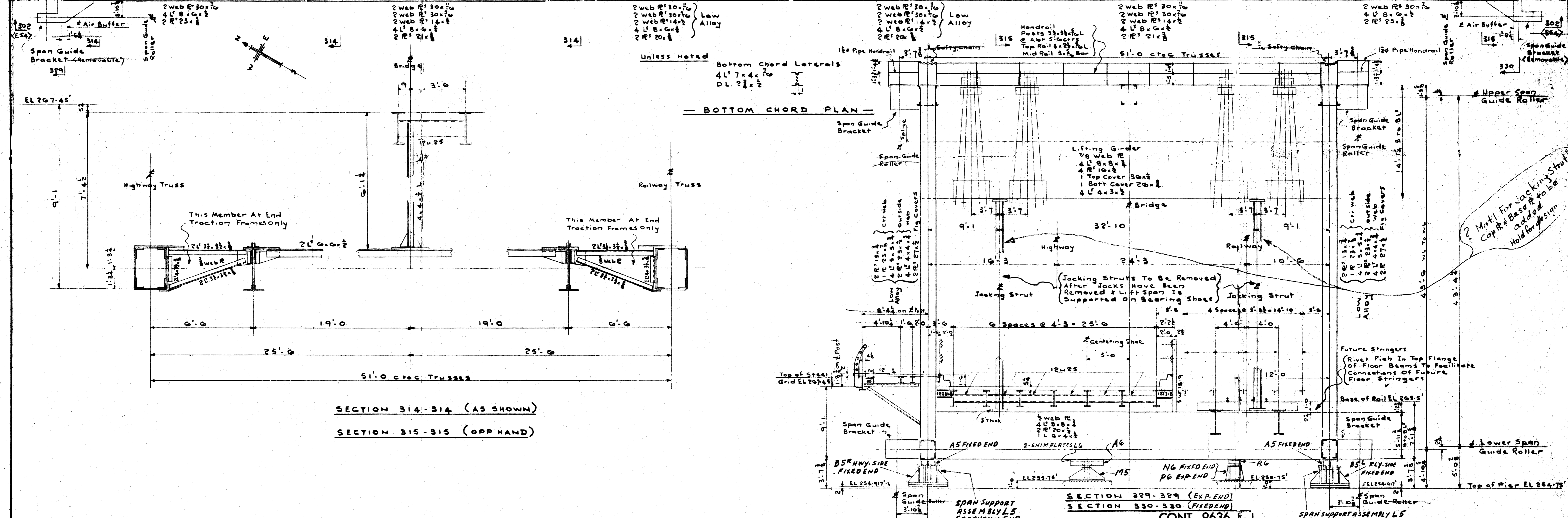
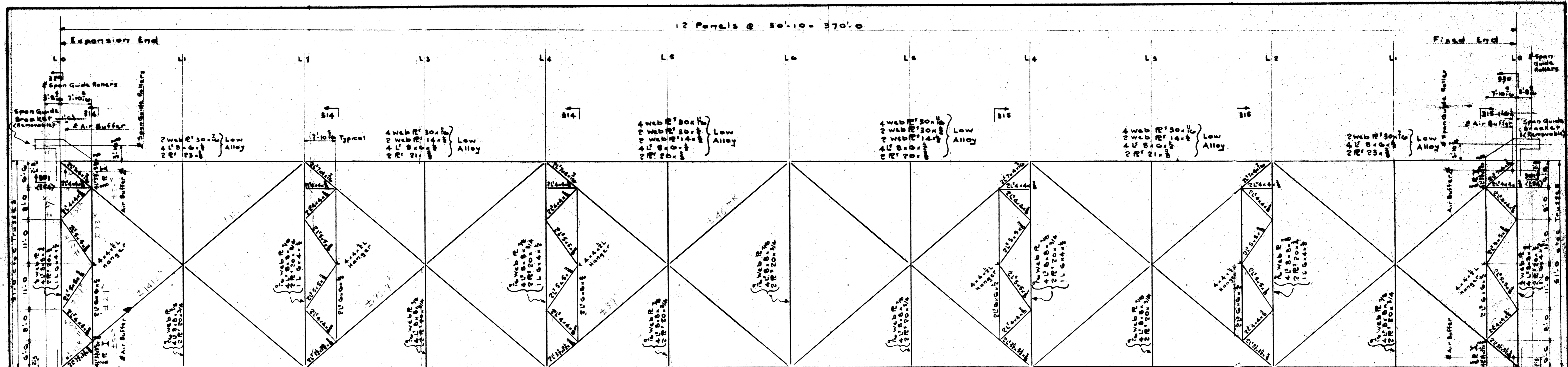
RIVETS	NOTES	REVISED	DATE
OPEN HOLES	FOR GENERAL NOTES	SEP 10 1974	
	SEE DWG E1		
PAIN			
WELDING SPEC.			

CUSTOMER: DEPARTMENT OF PUBLIC WORKS—CANADA
 NAME OF STRUCTURE: BURLINGTON CANAL LIFT BRIDGE
 DESIGN BY: C. C. PARKER & ASSOCIATES LTD.
 TITLE OF DRAWING: TRUSS SECTIONS & DETAILS

Bridge & Tank
Company of Canada Limited

HAMILTON BRIDGE DIVISION HAMILTON, ONTARIO
 MADE BY: [] STARTED: [] COMPLETED: [] CONTRACT: 9636-1-L
 QUANTITY: [] WORK ORDER: []
 DRAWING: E55

NOTES -
 All Mat'l. Marked (L.A.) to be
 Low Alloy Steel ASTM A242-55
 Handrail Conns. 3/4" Bolts
 unless otherwise noted



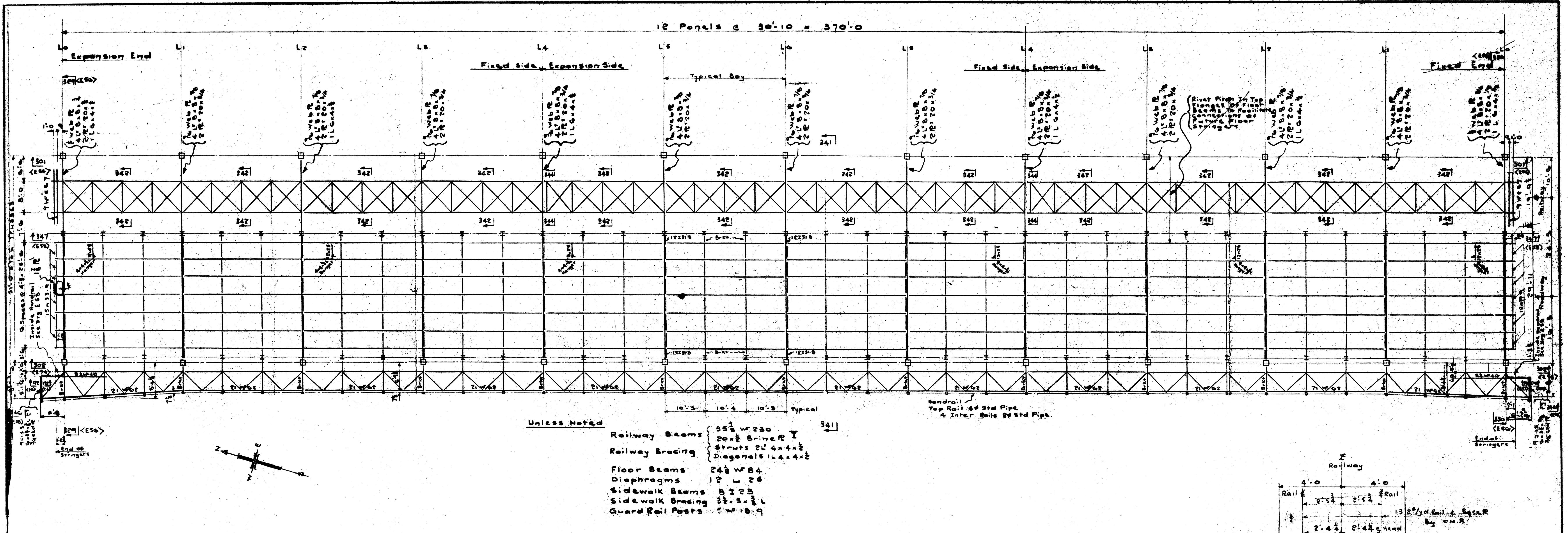
SECTION 314-314 (AS SHOWN)
SECTION 315-315 (OPPHAND)

Notes
All Material Marked Low Alloy To Be Low Alloy Steel ASTM-A242-55, See Auxiliary Layout Drgs For Span Guide Rollers, Rope Anchors, Rope Guides & Ropes. See Design Drgs For Detail of Floor Beams, Span Guide Brackets And Bearing Shoes Etc

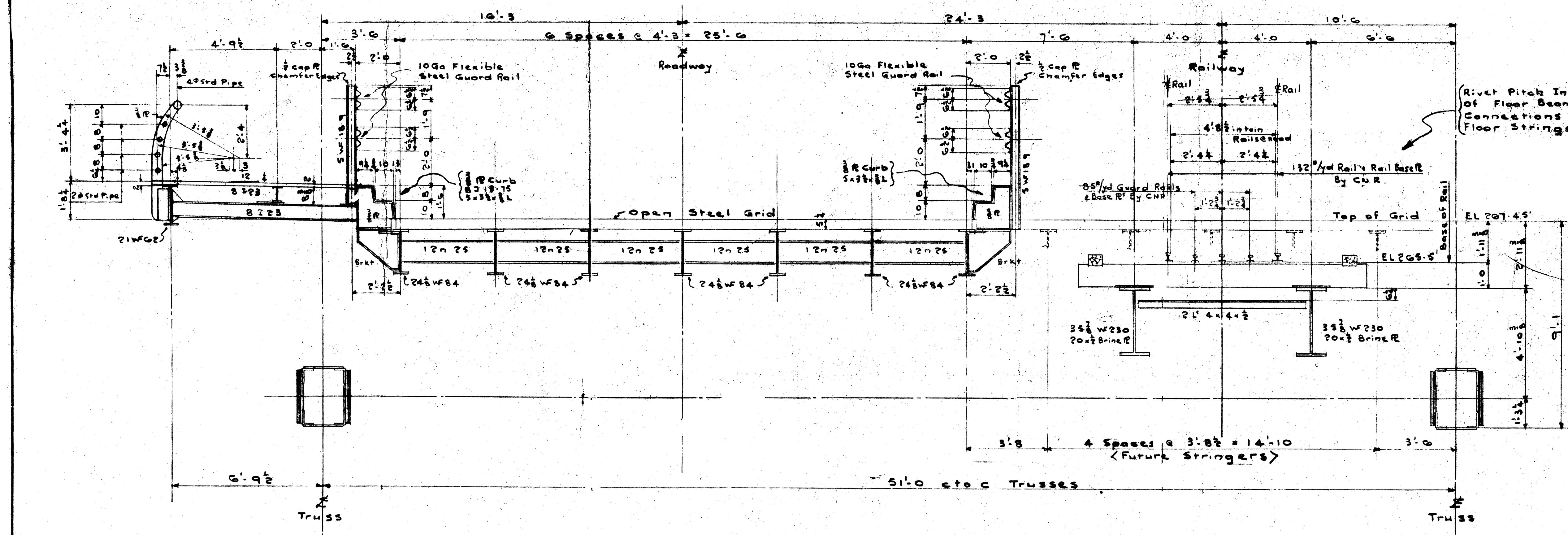
NOTES
RIVETS
OPEN HOLES
For General Notes
See Drg E
PAINT
WELDING SPEC.

REVISION
Sept 11, 59
CUSTOMER
DEPARTMENT OF PUBLIC WORKS - CANADA
BURLINGTON CANAL LIFT BRIDGE
DESIGN BY
C. C. PARKER & ASSOCIATES LTD.
TITLE OF DRAWING
Lift Span Bottom Chord
Bridge & Tank
Company of Canada Limited
HAMILTON BRIDGE DIVISION HAMILTON, ONTARIO
MADE BY... STARTED... COMPLETED... CONTRACT 966-1-L
CHECKED... WORK ORDER...
DRAWING... E 50

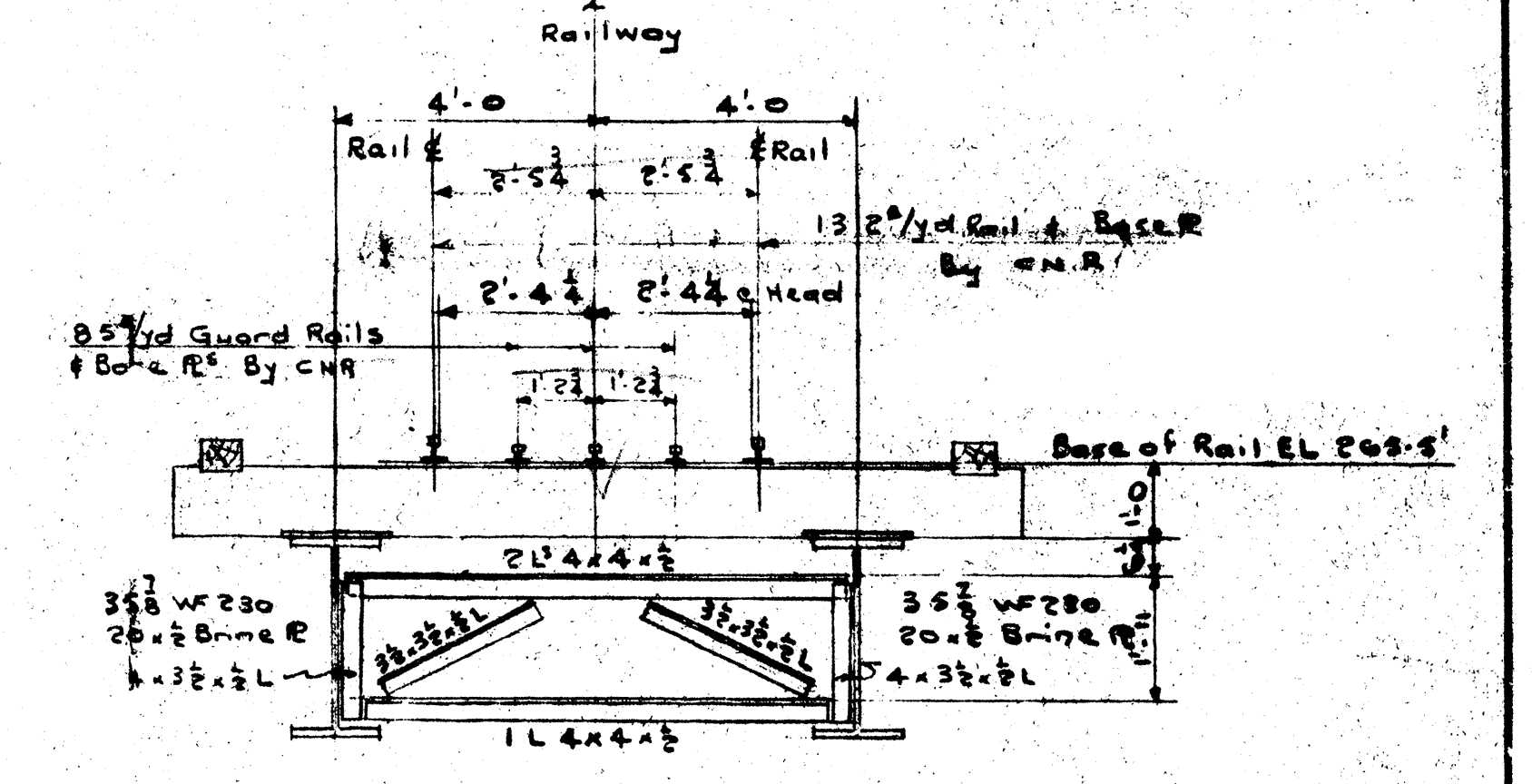
? Mark For Jacking Struts
Cop. & Base to be
Hold for 4/5/59



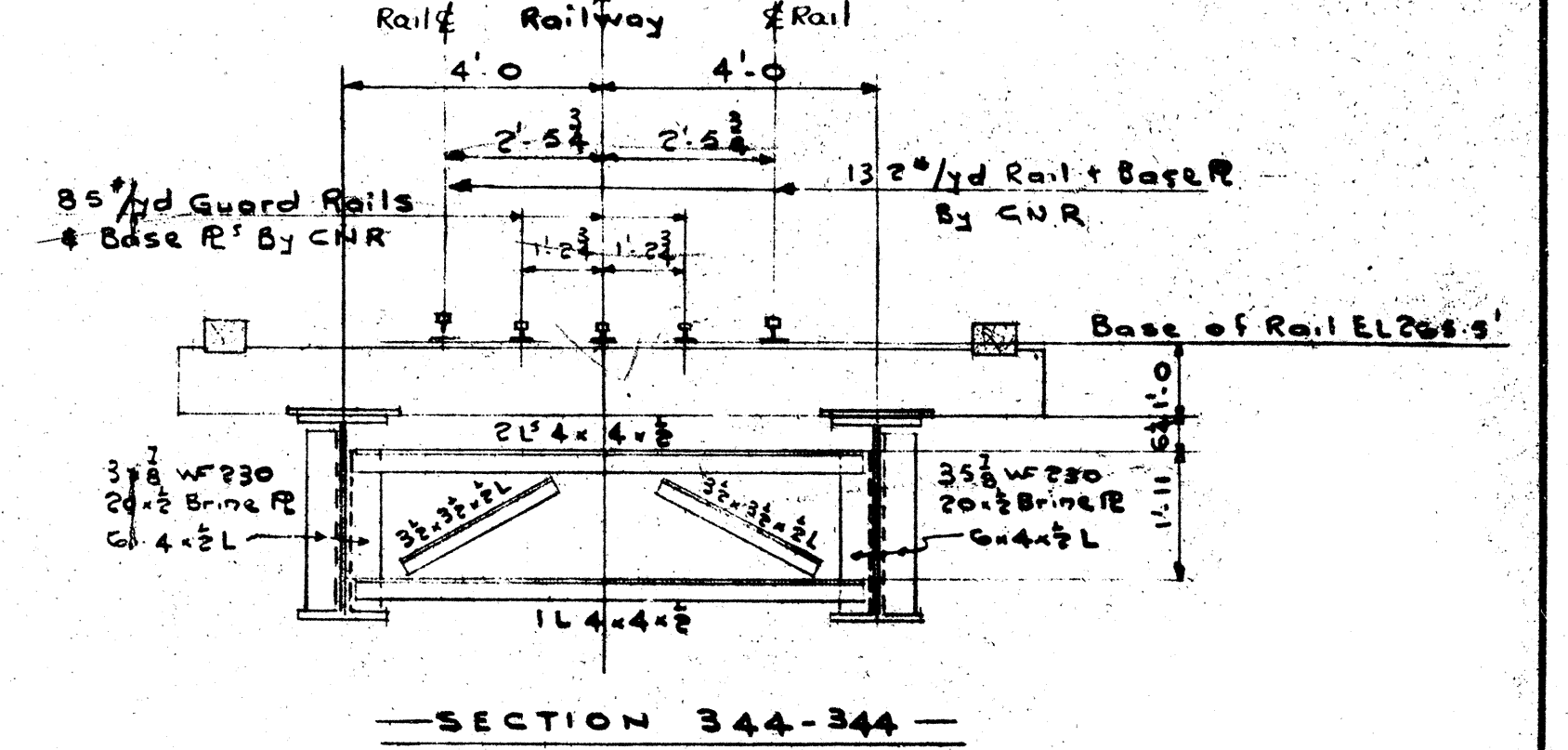
— PLAN OF DECK SUPPORTS —



— SECTION 341-341 —
(Typical)



— SECTION 342-342 —

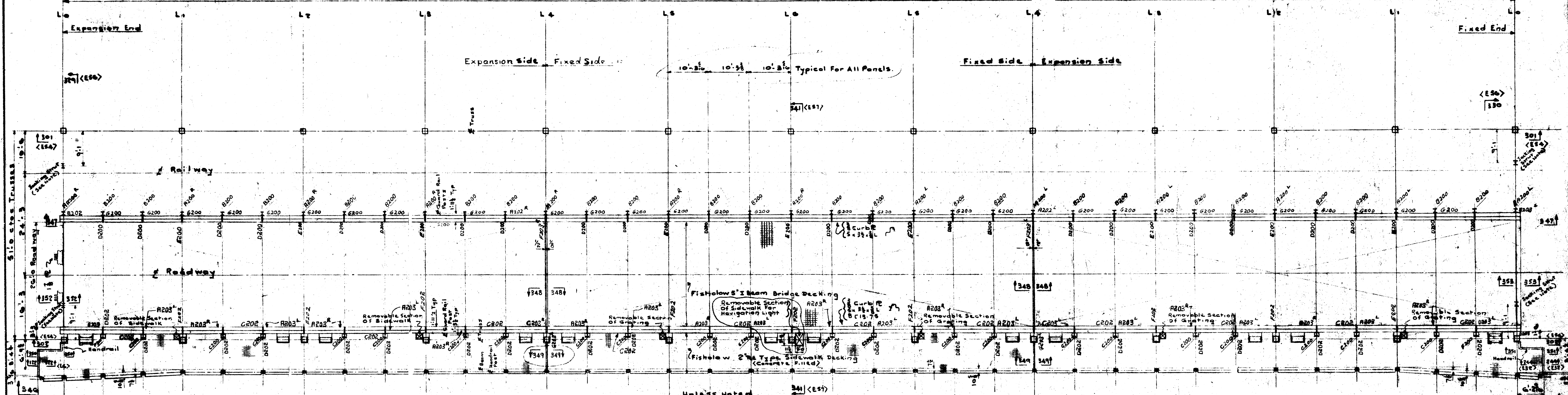


— SECTION 344-344 —

CONT. 9636-1-L

NOTES	REVISIONS	CUSTOMER
RIVETS		DEPARTMENT of PUBLIC WORKS—CANADA
OPEN HOLES		BURLINGTON CANAL LIFT BRIDGE
For General Notes		DESIGN BY C. C. PARKER & ASSOCIATES LTD.
See Org E1		TITLE OF DRAWING Plan of Deck Supports
PAINT		Bridge & Tank
		<i>Company of Canada Limited</i>
WELDING SPEC.		HAMILTON BRIDGE DIVISION HAMILTON, ONTARIO
		MADE BY [] STARTED [] COMPLETED [] CONTRACT 9636-1-L
		CHECKED [] STARTED [] COMPLETED [] WORK ORDER []
		DRAWING E.37

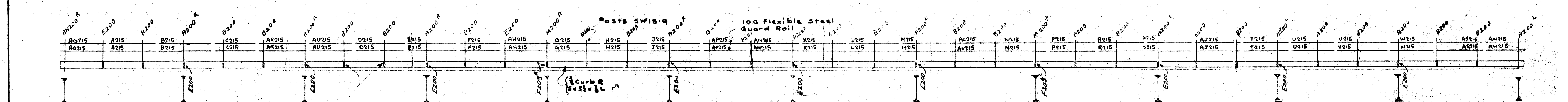
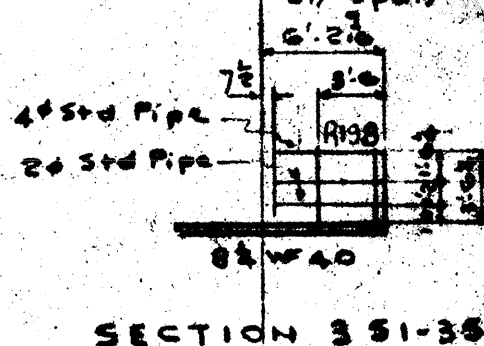
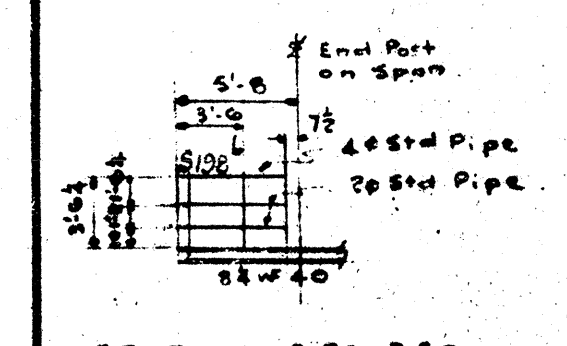
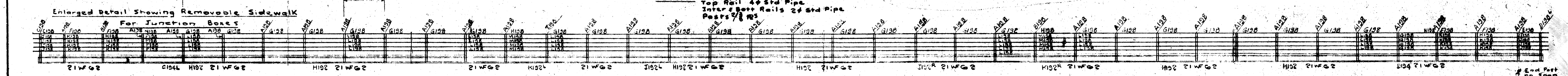
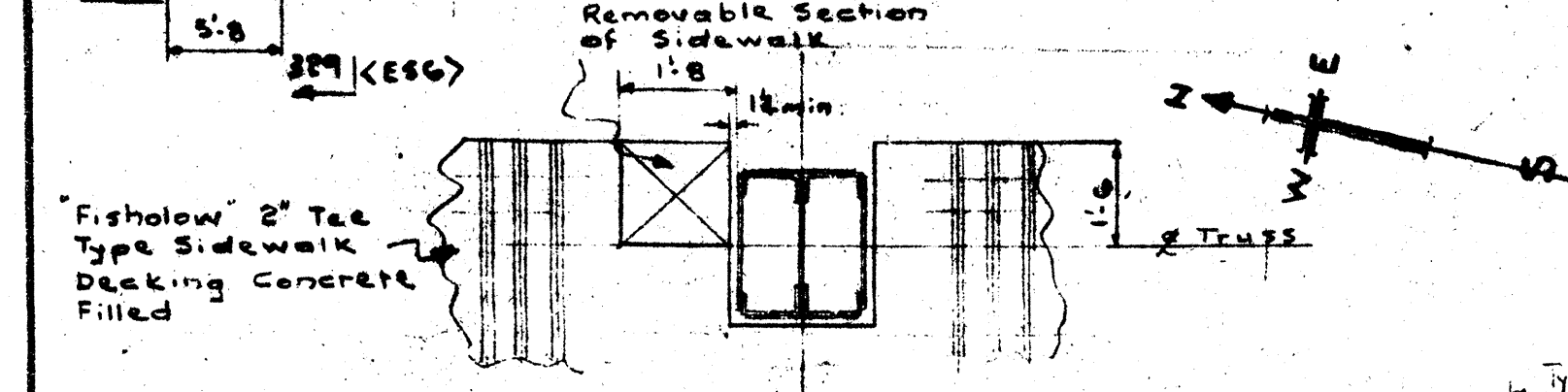
12 Panels @ 30'-10" = 370'-0"



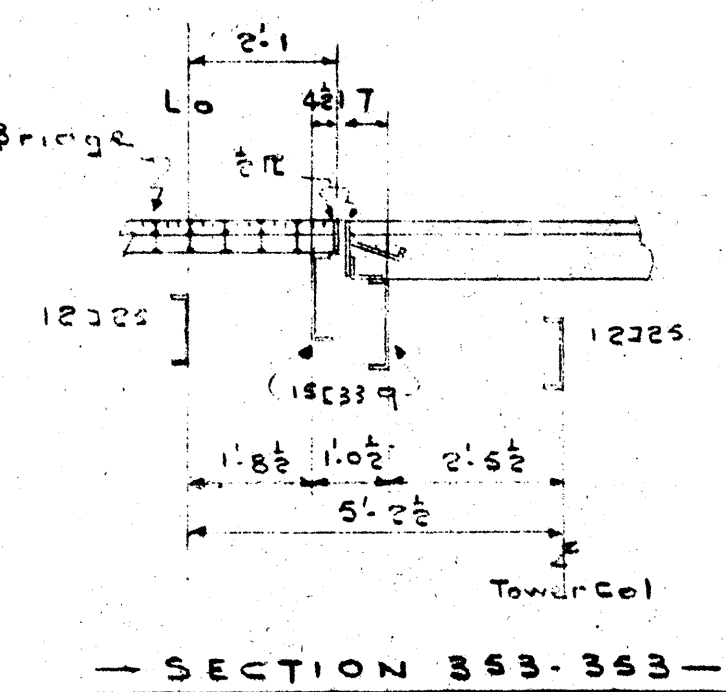
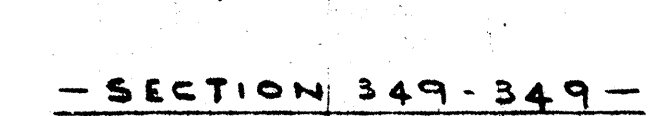
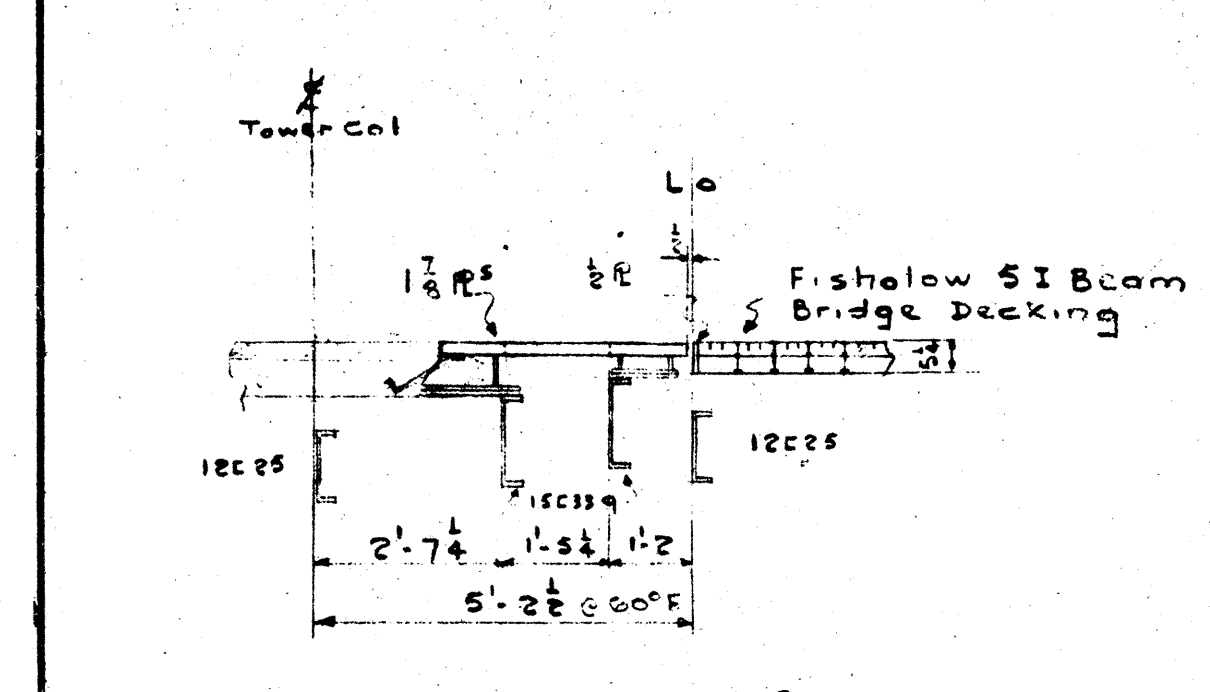
Note: Where Jacking Struts Prevent Erection of Bridge Decking & Other Members They Are to Be Erected After Jacking Struts Are Removed.

NOTE: Sidewalk Decking to be Notched to clear Truss Members, Guard Rail Posts & Handrail Posts See Layout Drg L48 For Detail At End of Sidewalk See Layout Drg L42

Note: All H.R. Posts & Guard Rail Posts to be fastened with H.S. Bolts.

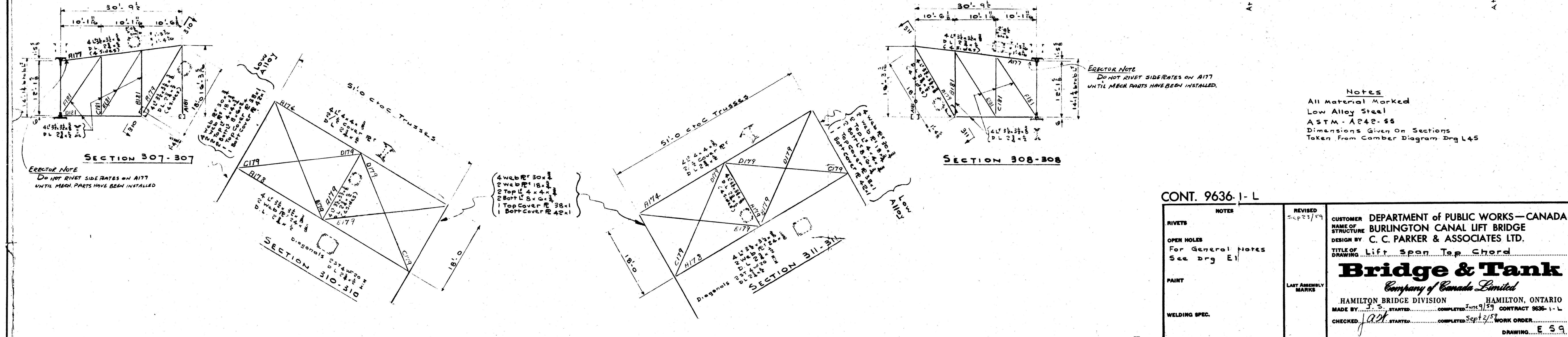
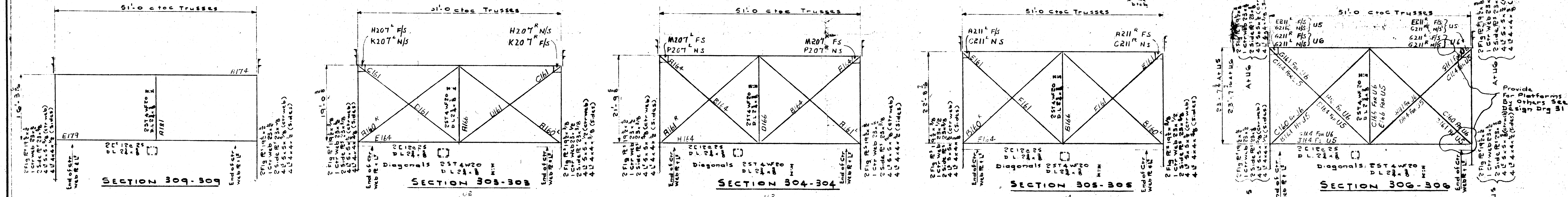
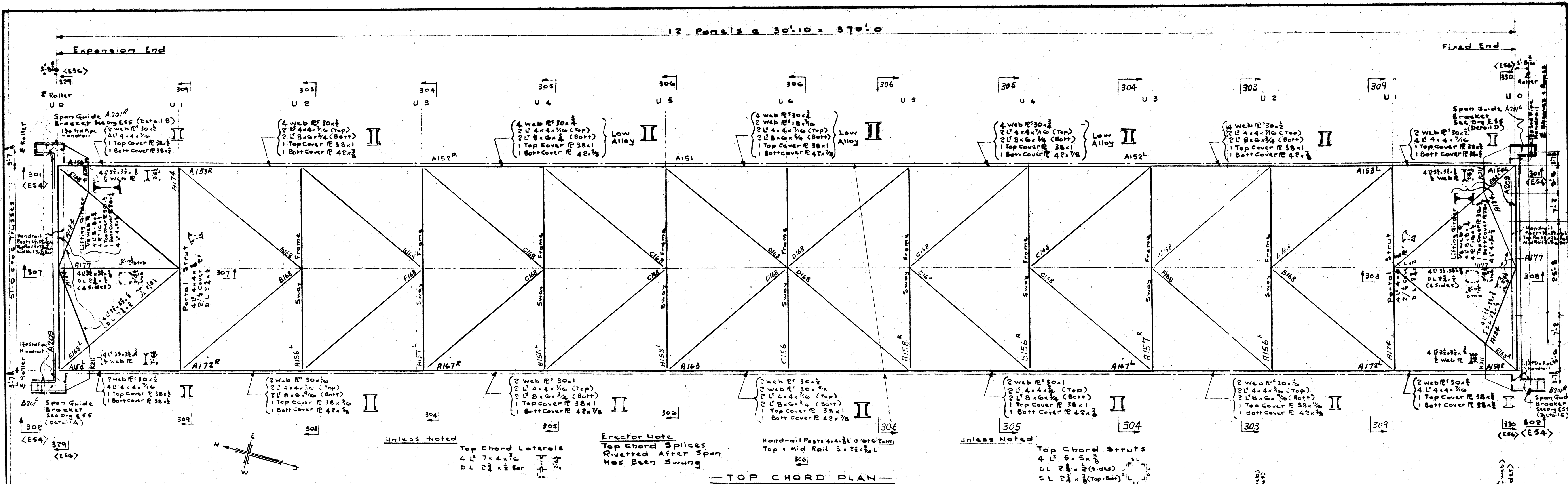


Note: Provide Removable Sidewalk Deck Section Over Each Electrical Junction Box And for Navigation Light As Shown



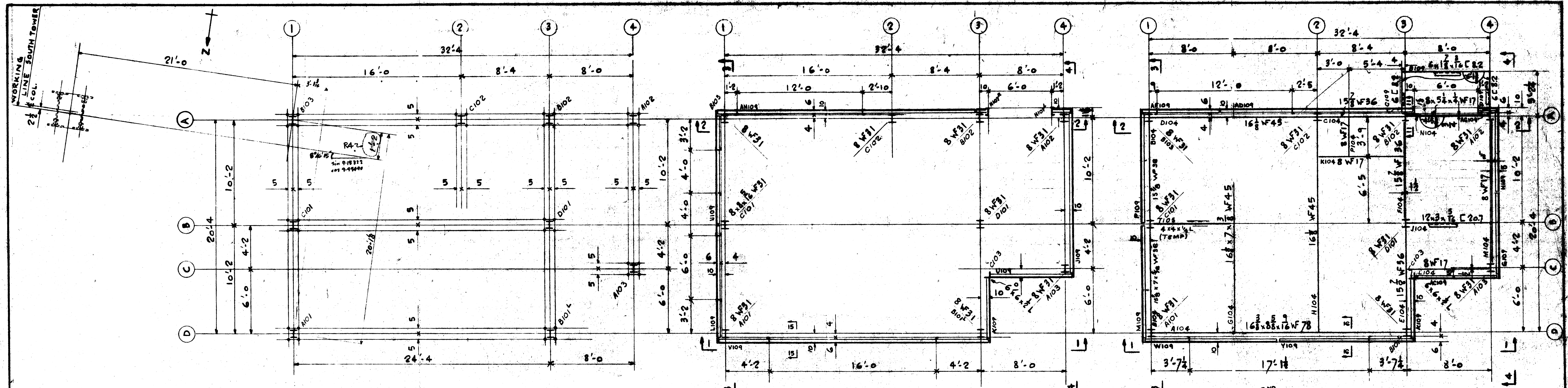
CONT. 9636-1-L

<p>NOTES</p> <p>RIVETS</p> <p>OPEN HOLES</p> <p>For General Notes See Drg E1</p> <p>PAINT</p> <p>WELDING SPEC.</p>	<p>REVISION</p> <p>NOV. 6/57</p> <p>DEC. 1/57</p> <p>JAN. 19/58</p>	<p>CUSTOMER</p> <p>DEPARTMENT OF PUBLIC WORKS—CANADA</p> <p>BURLINGTON CANAL LIFT BRIDGE</p> <p>C. C. PARKER & ASSOCIATES LTD.</p>
	<p>DESIGN BY</p> <p>C. C. PARKER & ASSOCIATES LTD.</p>	<p>TITLE OF DRAWING</p> <p>Plan of Deck</p>
	<p>HAMILTON BRIDGE DIVISION</p> <p>HAMILTON, ONTARIO</p>	<p>BRIDGE & TANK</p> <p>Company of Canada Limited</p>
	<p>MADE BY</p> <p>CHECKED</p>	<p>STARTED</p> <p>COMPLETED</p> <p>WORK ORDER</p> <p>NO. 150</p>



CONT. 9636-1-L

RIVETS	NOTES	REVISED	SUP 23/59
OPEN HOLES	For General Notes See Drg E1	CUSTOMER	DEPARTMENT OF PUBLIC WORKS—CANADA
PAINT		NAME OF STRUCTURE	BURLINGTON CANAL LIFT BRIDGE
WELDING SPEC.		DESIGN BY	C. C. PARKER & ASSOCIATES LTD.
		TITLE OF DRAWING	Lift Span Top Chord
		Bridge & Tank	
		Company of Canada Limited	
		HAMILTON BRIDGE DIVISION	HAMILTON, ONTARIO
		MADE BY J.S. STARTED	COMPLETED June 1959 CONTRACT 9636-1-L
		CHECKED J.R.T. STARTED	COMPLETED Sept 21/58 WORK ORDER
			DRAWING E 59

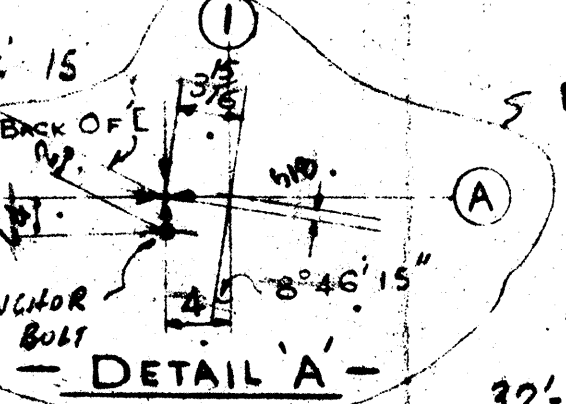


GROUND FLOOR PLAN
TOP OF FIN. FLOOR EL. 253'-0"

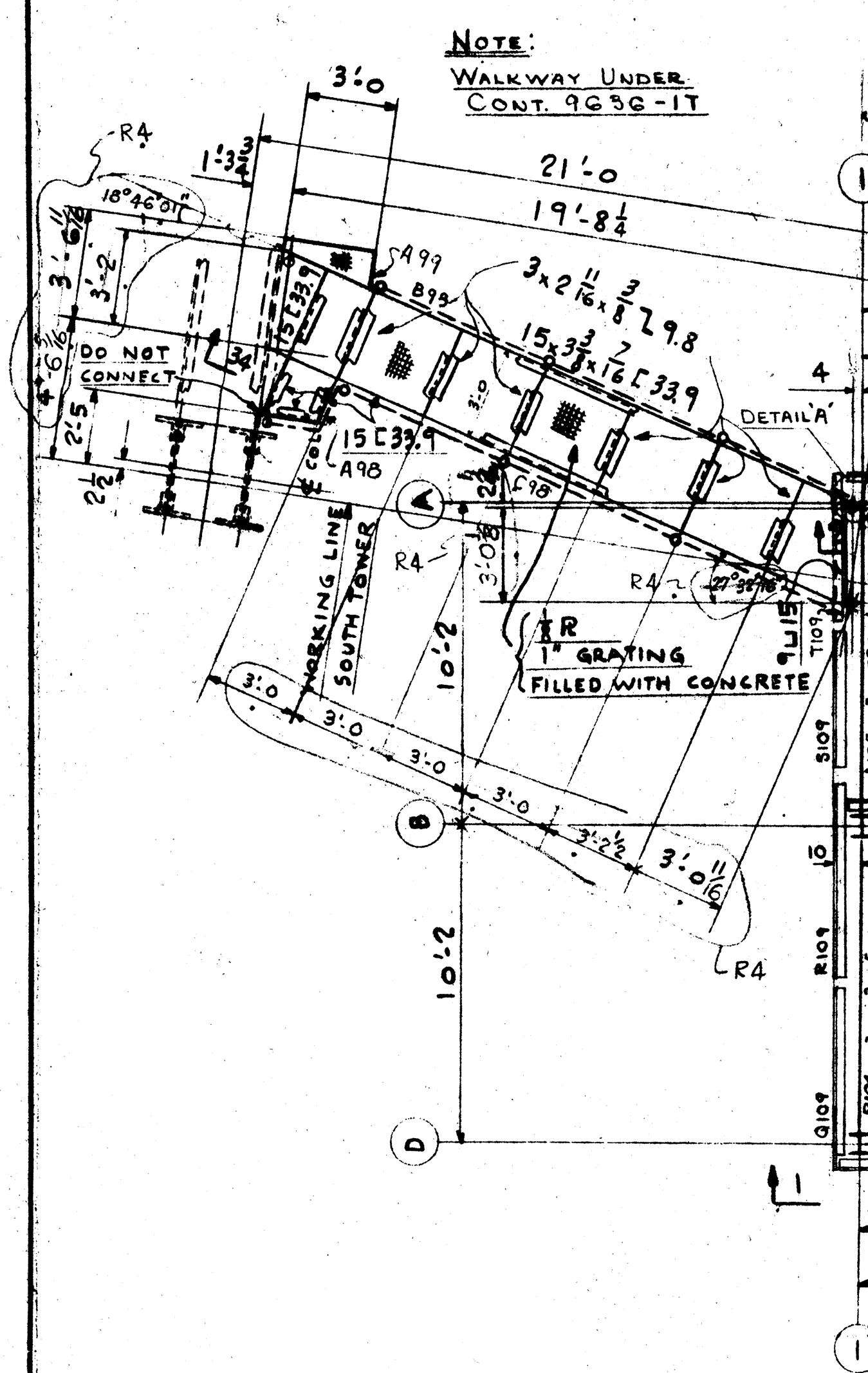
2ND FLOOR PLAN
TOP OF STEEL EL. 266'-10"
EXCEPT AS SHOWN THUS (S)

NOTE:
WALKWAY UNDER
CONT. 9636-1T

ANCHOR BOLT PLAN

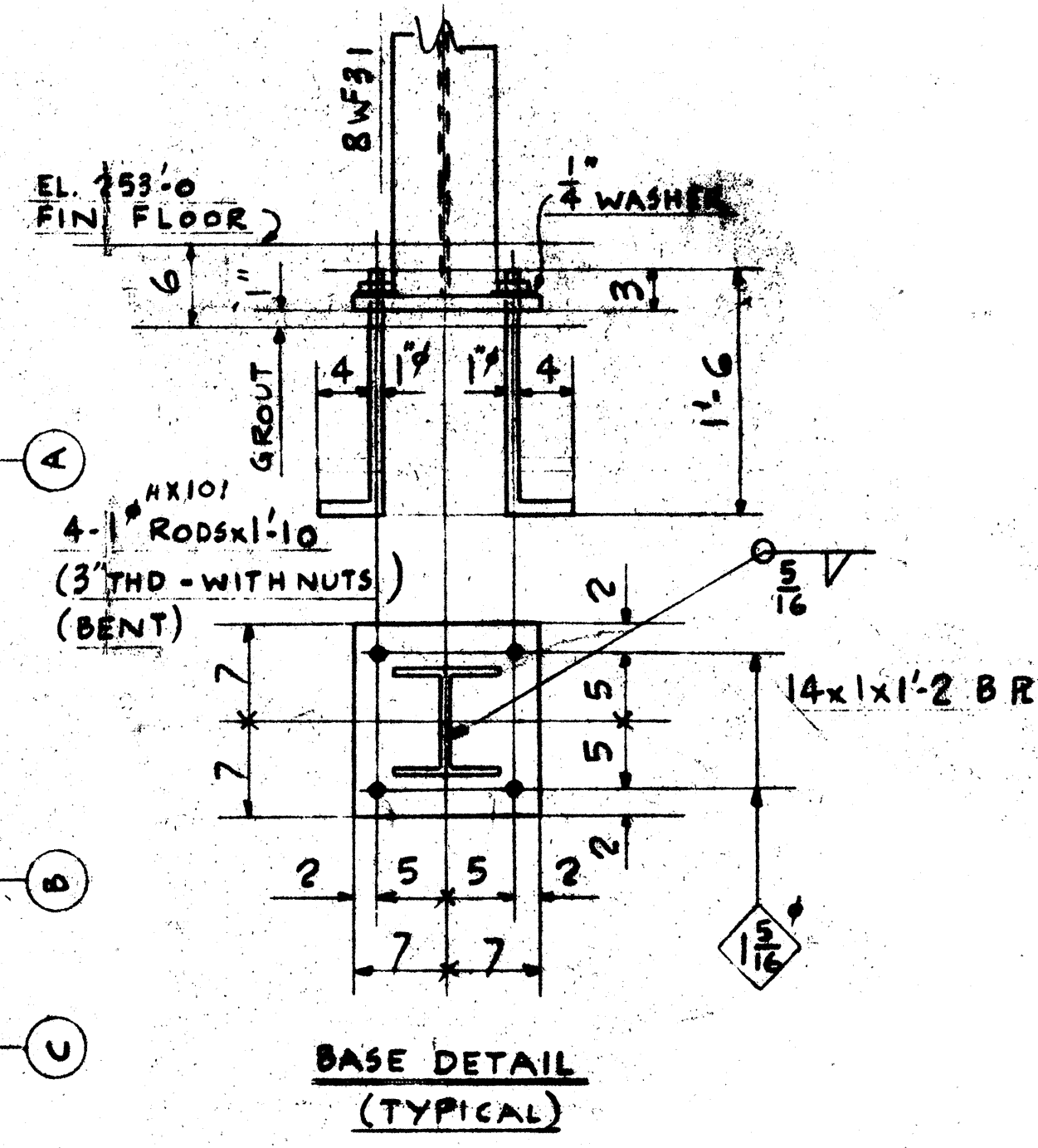


NOTE
USE CURB ANGLES AS TEMPLATE
WHEN DRILLING HOLES IN
CONCRETE FOR EXPANSION BOLTS
HOLES IN CONCRETE 1/2" DEEP FOR
1/2" ANCHORS WITH SHIELDS, 3/8" DIA. SHIP



3RD FLOOR PLAN
TOP OF STEEL EL. 277'-0"
EXCEPT AS SHOWN THUS (S)

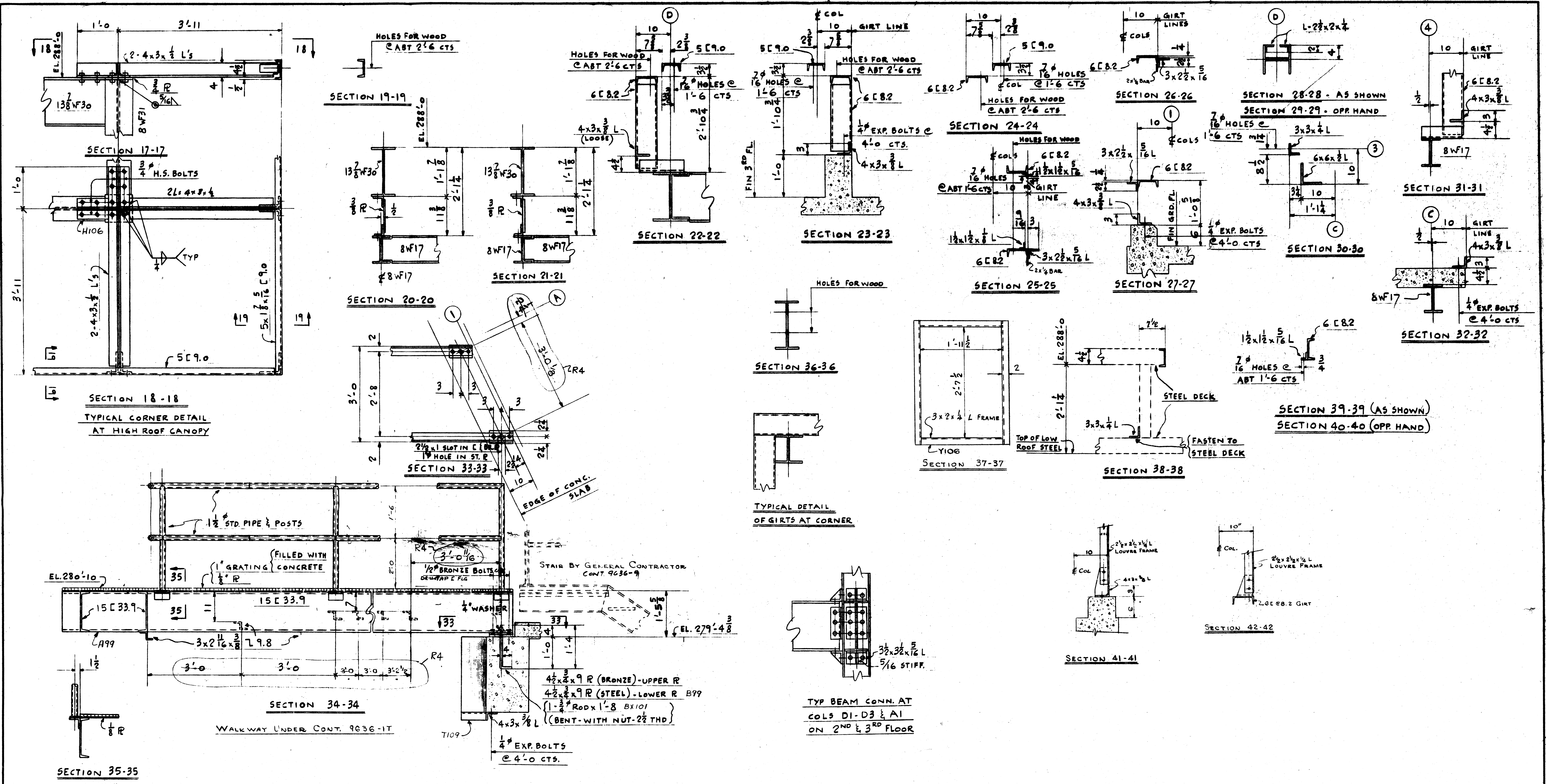
ROOF PLAN
TOP OF STEEL EL. 288'-0"
EXCEPT AS SHOWN THUS (S)



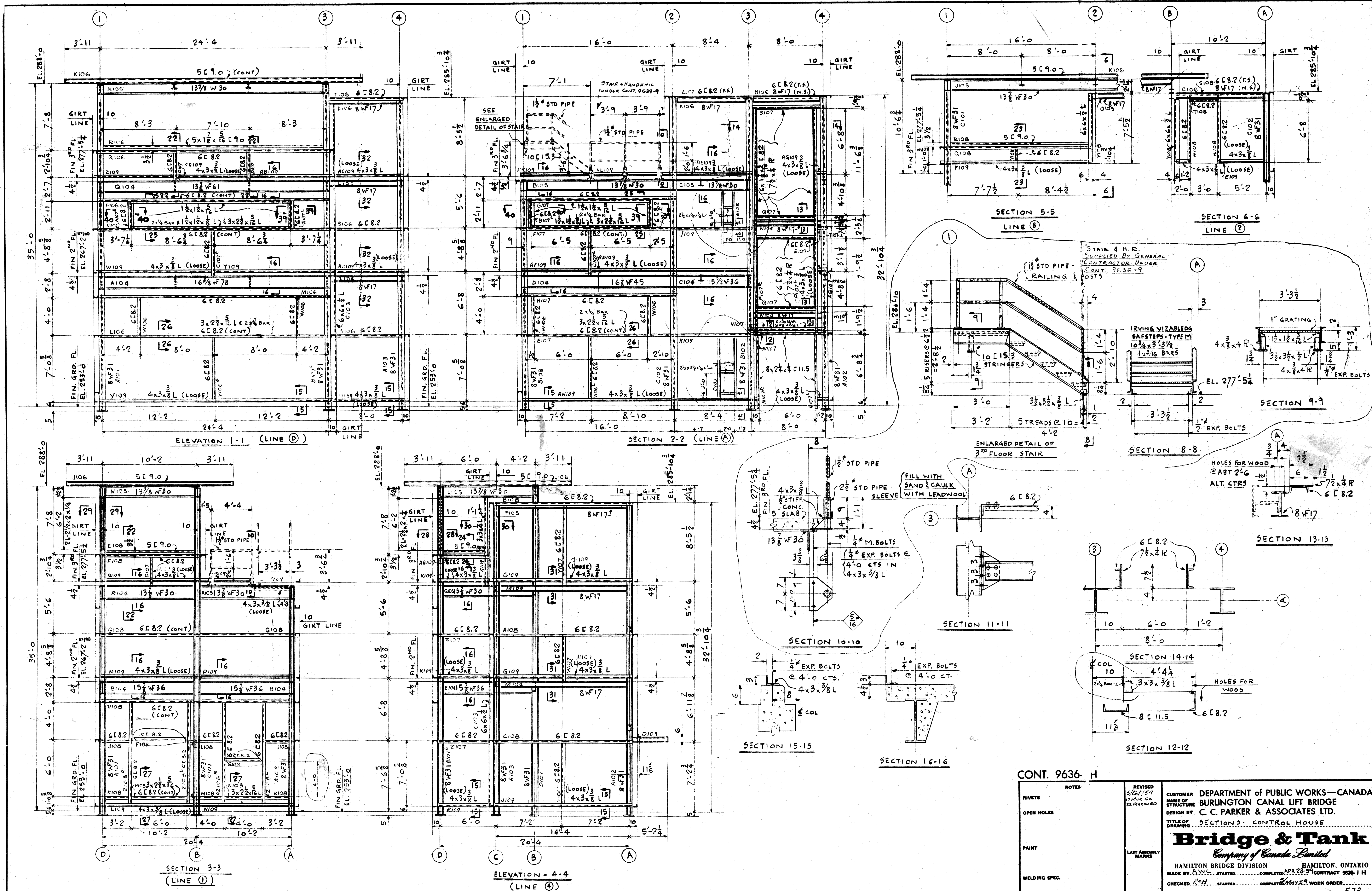
NOTES:
ERECTION BY BRIDGE & TANK CO.
FIELD CONN. - 3/4" RIVETS EXCEPT
FOR 1/2" M. BOLTS FOR GIRTS
SHOP PAINT - 1 CT RED LEAD (IN OIL)
1-GP-14a
SURFACES TO BE ENCASED IN CONCRETE
SHALL NOT BE PAINTED
FIELD PAINT BY GENERAL CONTR.

CONT. 9636-1H

<p>NOTES</p> <p>RIVETS</p> <p>OPEN HOLES</p> <p>PAINT</p> <p>IMPLYING P.T.S.</p>	<p>REVISED 12/29/59 5/21/59 1-20-69 9 June 60 R9</p> <p>LAST ASSEMBLY MARKS</p>	<p>CUSTOMER DEPARTMENT OF PUBLIC WORKS—CANADA NAME OF STRUCTURE BURLINGTON CANAL LIFT BRIDGE DESIGN BY C. C. PARKER & ASSOCIATES LTD. DIAGRAMS TITLE OF DRAWING CONTROL HOUSE ANCHOR BOLT ERECTION Bridge & Tank Company of Canada Limited HAMILTON BRIDGE DIVISION HAMILTON, ONTARIO MADE BY A.M.C. STARTED... COMPLETED APR. 20, 1961 CONTRACT 088-141 CHECKED R.E.A. STARTED... COMPLETED MAY 23, 1961 WORK ORDER DRAWING E.71</p>
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CONT. 9636-1H		REVISED 5/27/59 17 MAR 60 9 JUNE 60 RS	CUSTOMER DEPARTMENT OF PUBLIC WORKS—CANADA BURLINGTON CANAL LIFT BRIDGE
NOTES	DESIGN BY C. C. PARKER & ASSOCIATES LTD.	TITLE OF DRAWING SECTIONS 5 - CONTROL HOUSE	DESIGNED BY C. C. PARKER & ASSOCIATES LTD.
RIVETS		Bridge & Tank Company of Canada Limited	
OPEN HOLES		HAMILTON BRIDGE DIVISION HAMILTON, ONTARIO	
PAINT		MADE BY R.N.C. STARTED COMPLETED R.P.R. 38-39 CONTRACT 9636-1H	
WELDING SPEC.		CHECKED R.C.H. STARTED COMPLETED 3 MAY 59 WORK ORDER	
		DRAWING E72	



CONT. 9636- H		REVISED 5/21/59 7:00 AM 12 MARCH 60	CUSTOMER DEPARTMENT OF PUBLIC WORKS—CANADA BURLINGTON CANAL LIFT BRIDGE
RIVETS	NOTES	DESIGN BY C. C. PARKER & ASSOCIATES LTD.	TITLE OF DRAWING SECTION 5. CONTROL HOUSE
OPEN HOLES		Bridge & Tank <i>Company of Canada Limited</i>	
PAINT		HAMILTON BRIDGE DIVISION HAMILTON, ONTARIO	
WELDING SPEC.		MADE BY: A.M.C. STARTED: APR 28-59 COMPLETED: APR 28-59 CONTRACT 9636-1 H	CHECKED: K.H. STARTED: MAY 28-59 COMPLETED: MAY 28-59 WORK ORDER: DRAWING: E.72