

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
9	MAINE	E-9-B	1932	1	31

STATE OF MAINE
STATE HIGHWAY COMMISSION

PLAN AND PROFILE
STATE HIGHWAY "E"

FALMOUTH
CUMBERLAND CO.

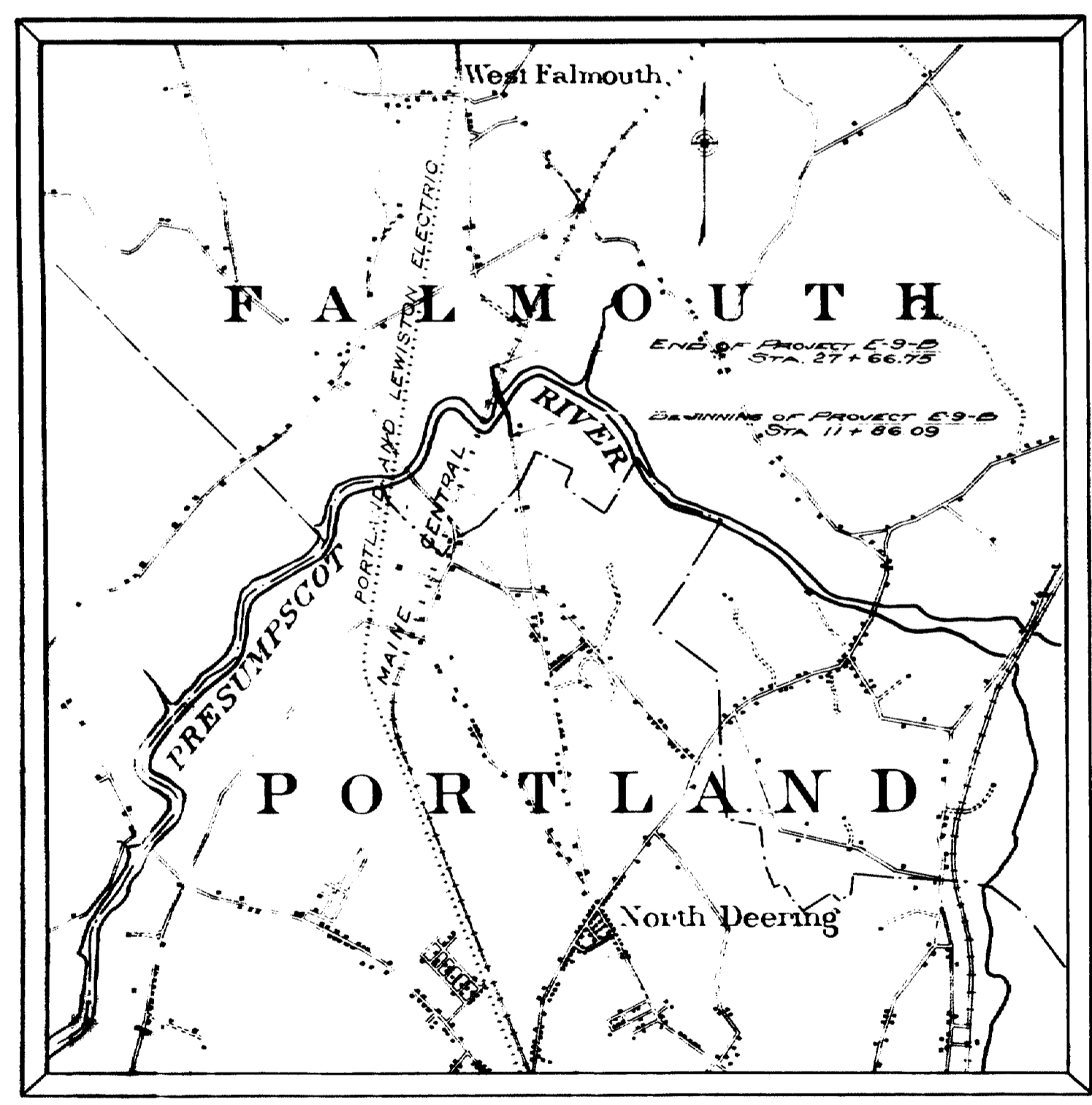
FEDERAL AID PROJECT NO. E-9-B

TOTAL LENGTH 2.99 MILES

SCALES { PLAN 1 IN. = 60 FT.
 { PROFILE { HOR. 1 IN. = 60 FT.
 { VER. 1 IN. = 20 FT.
 { CROSS SECTIONS 1 IN. = 10 FT.

CONVENTIONAL SIGNS			
STATE OR NATIONAL LINE	—————	SURVEY LINE	
COUNTY LINE	—————	CULVERT	
TOWN LINE	—————	DROP INLET	
UNFENCED PROPERTY	—————	TROLLEY POLE	
FENCE	—————	POWER POLE	
RIGHT OF WAY LINE	—————	TEL. POLE	
TRAVELED WAY	—————	MARSH	
RAILROAD	—————	TREES	
RETAINING WALL	—————	STONE WALL	

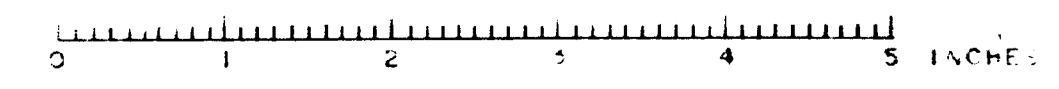
INDEX OF SHEETS	
SHEET No. 1	TITLE SHEET
SHEET No. 2	STANDARDS
SHEET No. 3	CROSS SECTIONS
SHEET No. 4	SURVEY AND LAYOUT
SHEET No. 5	VIADUCT PIERS
SHEET No. 6	PIER DETAILS Nos. 3, 4, 6.
SHEET No. 7	DETAILS OF PIER No. 5.
SHEET No. 8	DETAILS OF ABUTMENT No. 1.
SHEET No. 9	DETAILS OF ABUTMENT No. 2.
SHEET No. 10	PLATE GIRDER DETAILS.
SHEET No. 11	PLATE GIRDER DETAILS.
SHEET No. 12	STEEL DETAILS RIVER SPAN.
SHEET No. 13	STEEL DETAILS RIVER SPAN.
SHEET No. 14	GENERAL LAYOUT APPROACH SPANS.
SHEET No. 15	STEEL DETAILS BENTS No. 1 and No. 2.
SHEET No. 16	" " " " " 3 " " 4.
SHEET No. 17	" " " " " 5, 6, 7 and 8.
SHEET No. 18	" " " " " 9 and No. 10.
SHEET No. 19	" " " " " 11 " " 12.
SHEET No. 20	PEDESTAL DETAILS.
SHEET No. 21	EXPANSION AND DRAIN DETAILS.
SHEET No. 22	SUPERSTRUCTURE SLAB SPANS No. 1 and No. 2.
SHEET No. 23	FLOOR DETAILS RIVER SPAN.
SHEET No. 24	RAIL DETAILS TRUSS SPAN.
SHEET No. 25	SUPERSTRUCTURE DETAILS SPANS No. 5 and No. 8.
SHEET No. 26	" " " " " 7 " " 8.
SHEET No. 27	" " " " " 9, 10 and No. 11.
SHEET No. 28	FLOOR DETAILS PLATE GIRDER SPANS.
SHEET No. 29	SUPERSTRUCTURE DETAILS SPANS No. 14 and No. 15.
SHEET No. 30	APPROACH SLAB DETAILS.
SHEET No. 31	REINFORCING STEEL.
SUPPLEMENTARY SHEETS	
SHEET No. 5A	COLLISION WALLS No. 19 + 24.
SHEET No. 5B	COLLISION WALLS No. 21 + 22.

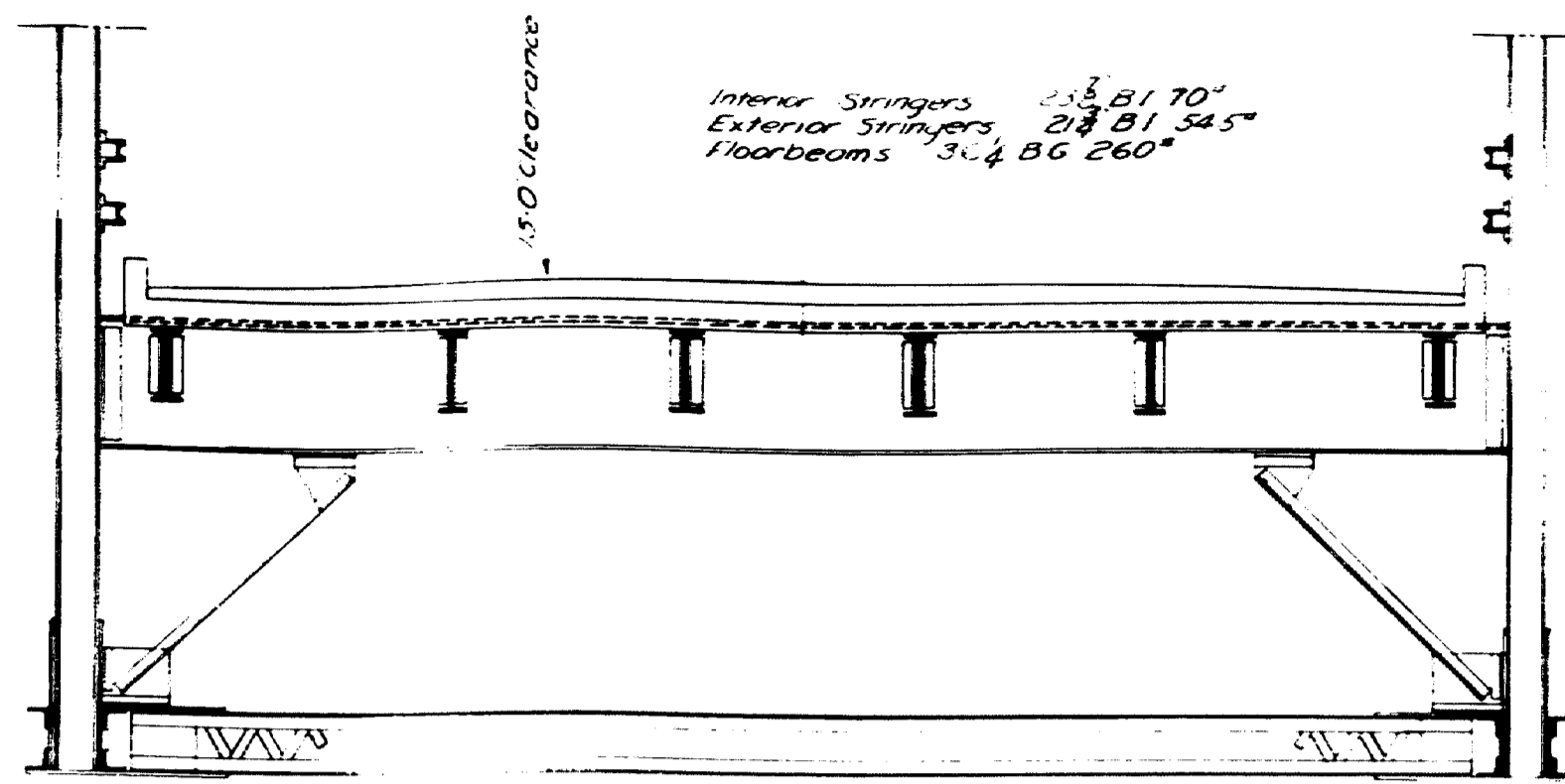


Note—
All work contemplated under this contract to be governed by, and in conformity with, the specifications accompanying these plans.

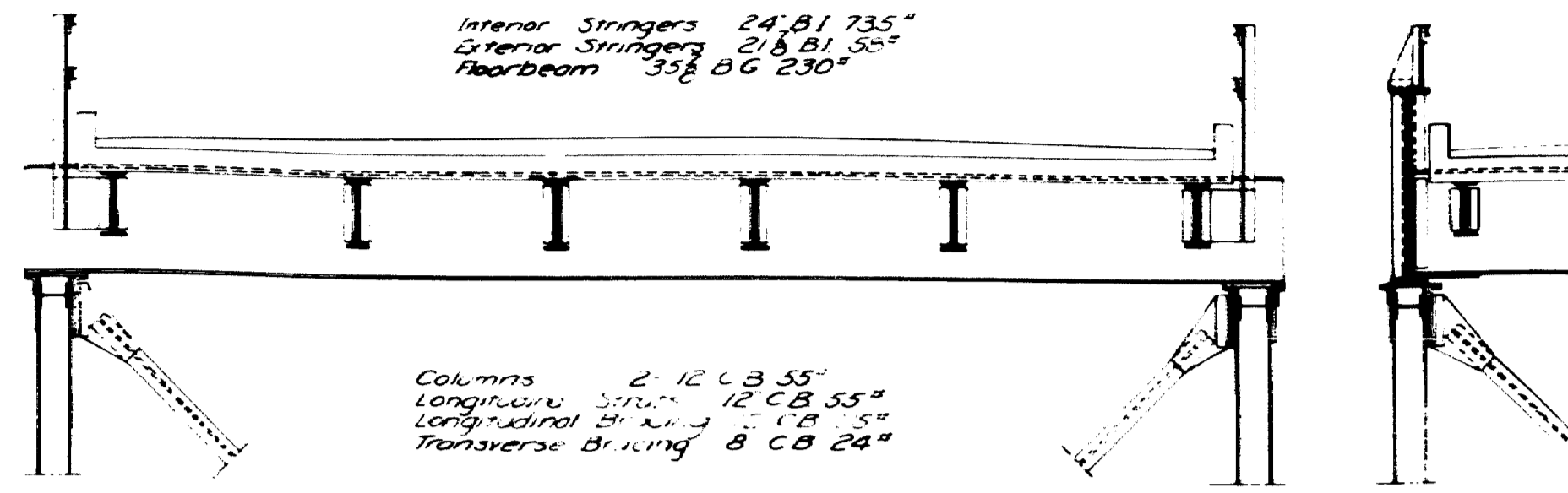
APPROVED:
MAINE STATE HIGHWAY COMMISSION
Frank G. Peabody
CHAIRMAN
Edward L. [Signature]
William [Signature]
Robert [Signature]
CHIEF ENGINEER

APPROVED:
U. S. BUREAU OF PUBLIC ROADS
[Redacted Signature]
DISTRICT ENGINEER
[Redacted Signature]
CHIEF ENGINEER
[Redacted Signature]
DIRECTOR

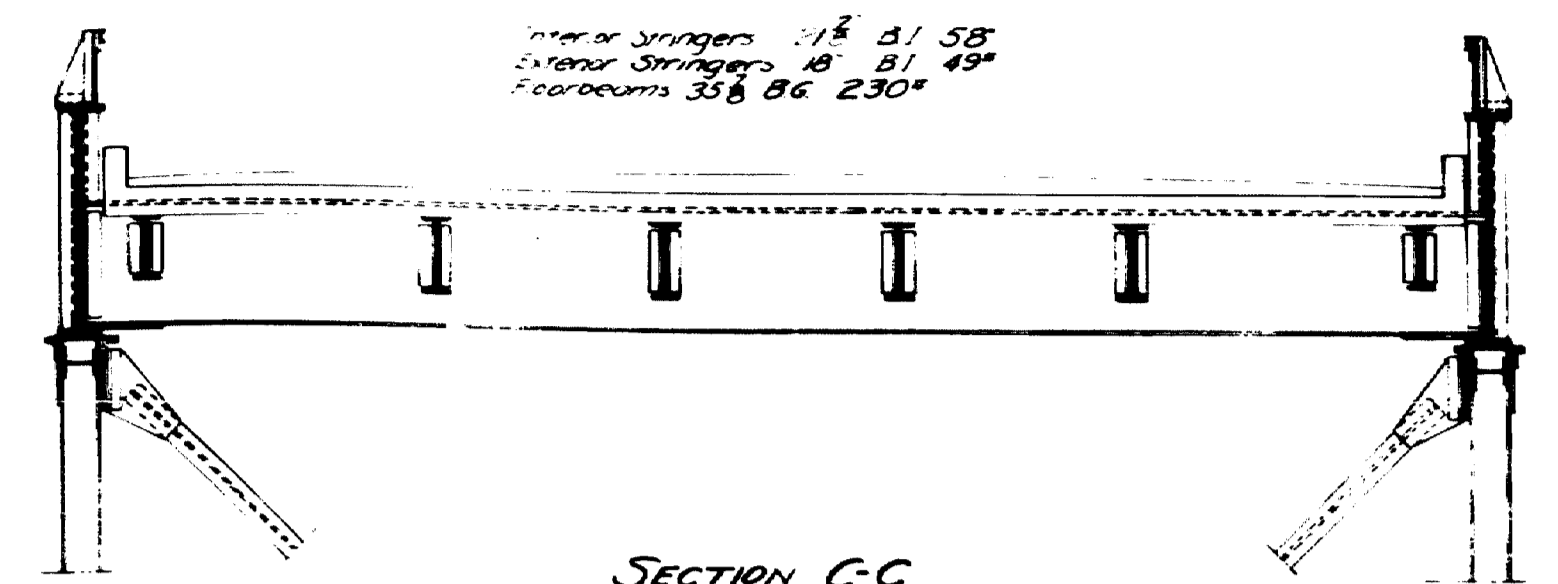




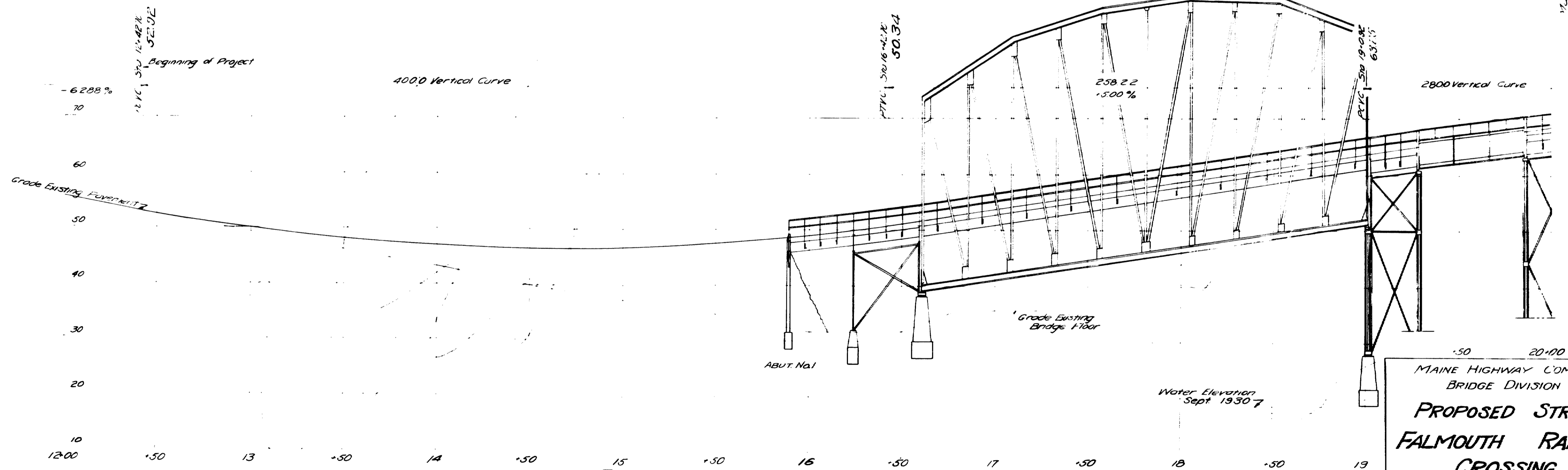
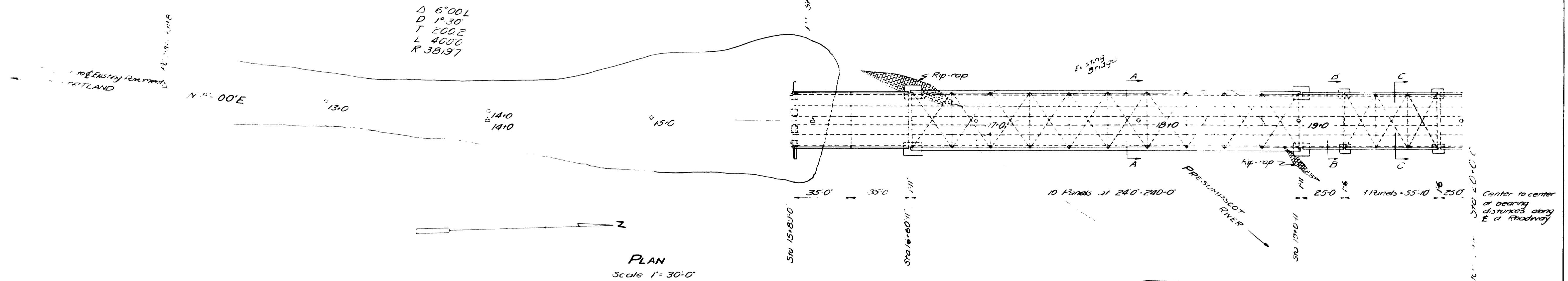
SECTION A-A



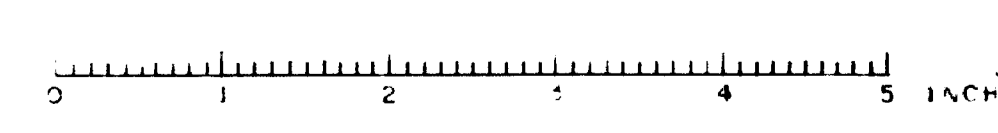
SECTION B-B



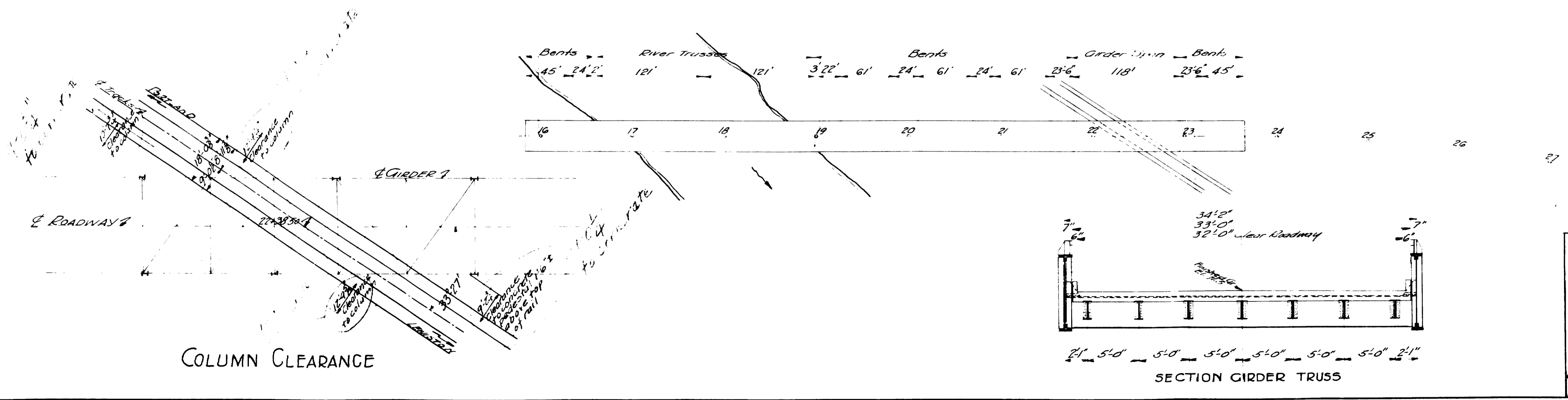
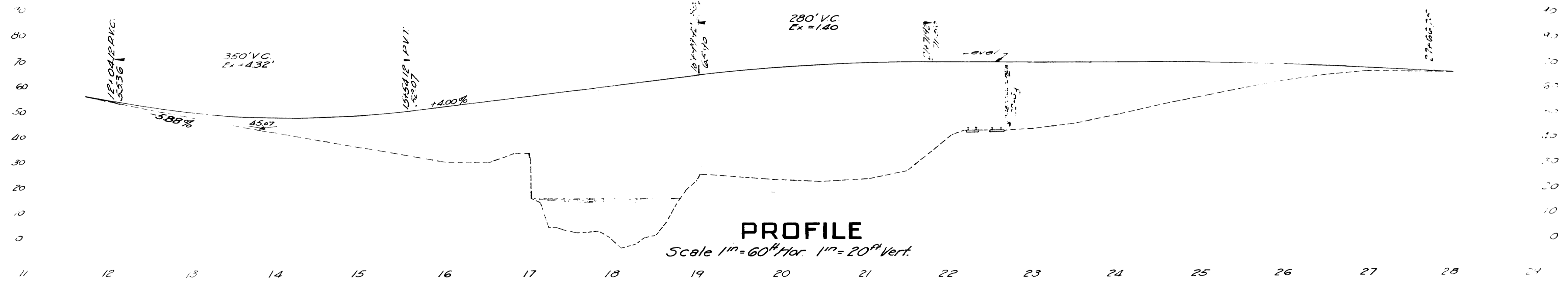
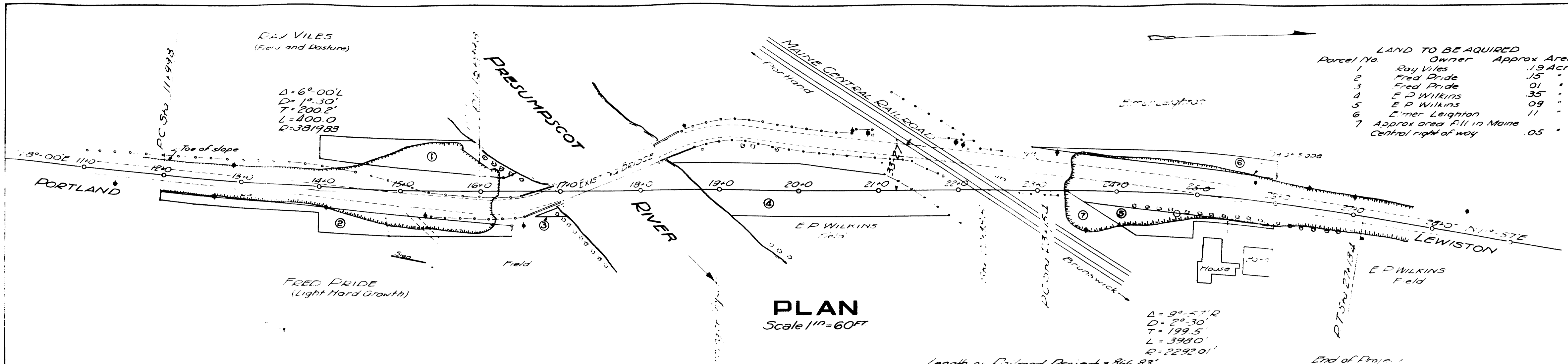
SECTION C-C



MAINE HIGHWAY COMMISSION
 BRIDGE DIVISION
**PROPOSED STRUCTURE
 FALMOUTH RAILROAD
 CROSSING**
 STATE HIGHWAY ROUTE 26
 Sheet 1 of 2 Augusta Me. July 9, 1931



Parcel No	Owner	Approx Area
1	Ray Viles	.19 Acre
2	Fred Pride	.15 "
3	Fred Pride	.01 "
4	E P Wilkins	.35 "
5	E P Wilkins	.09 "
6	Elmer Leighton	.11 "
7	Approx area fill in Maine Central right of way	.05 "

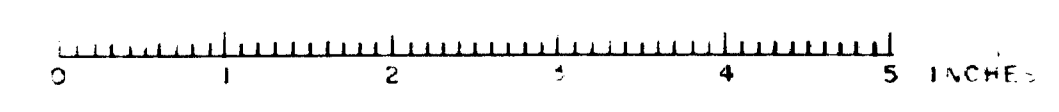


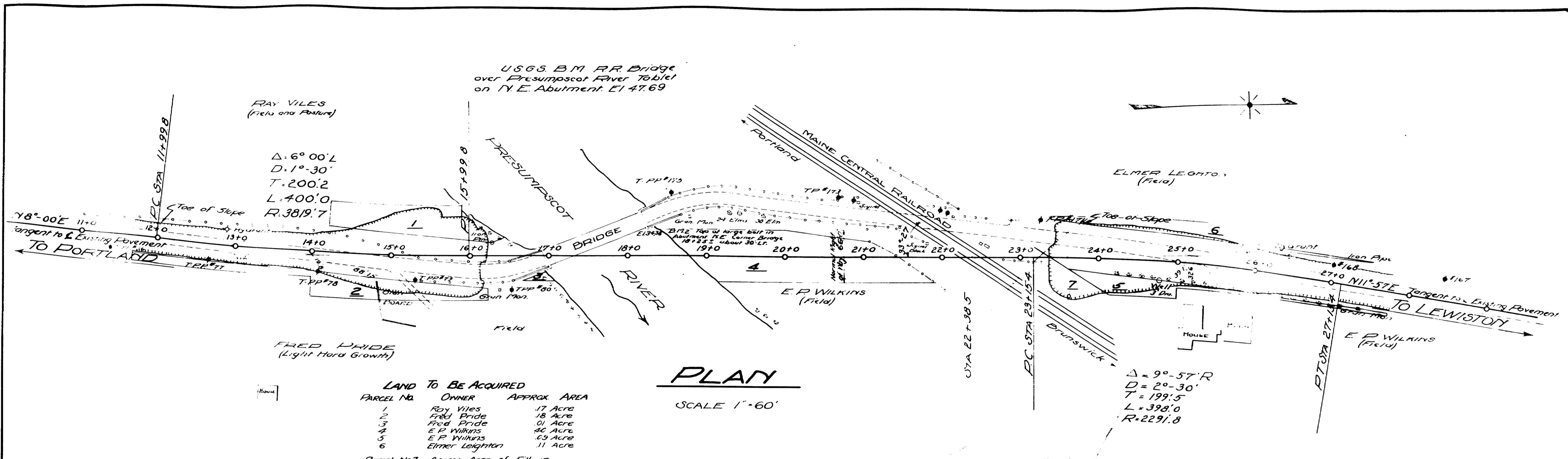
COLUMN CLEARANCE

SECTION GIRDER TRUSS

Plan 03-07
Private 2702

MAINE HIGHWAY COMMISSION
BRIDGE DIVISION
FALMOUTH RAILROAD CROSSING
OVER THE TRACKS OF
MAINE CENTRAL RAILROAD
AND THE
PRESUMPSCOT RIVER
IN THE TOWN OF
FALMOUTH, CUMBERLAND CO.
GENERAL PLAN OF GRADE ELIMINATION
Sheet 1 of 2 August, Me. Sept. 26, 1932.



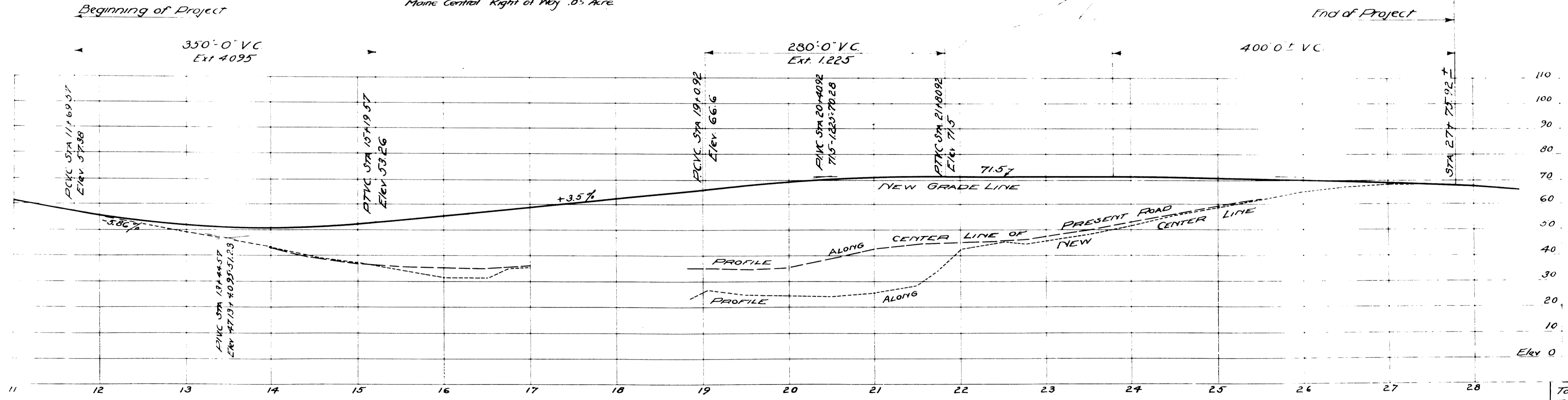


LAND TO BE ACQUIRED

PARCEL NO.	OWNER	APPROX. AREA
1	Roy Viles	17 Acre
2	Fred Pride	18 Acre
3	Fred Pride	01 Acre
4	E.P. Wilkins	40 Acre
5	E.P. Wilkins	03 Acre
6	Elmer Leighton	11 Acre

Parcel No. 7 Approx. Area of Fill in Maine Central Right of Way .05 Acre

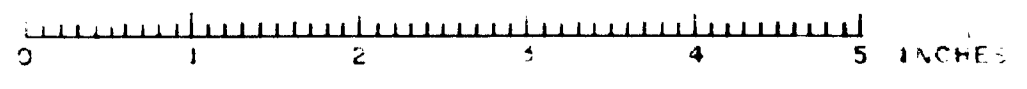
PLAN
SCALE 1"=60'



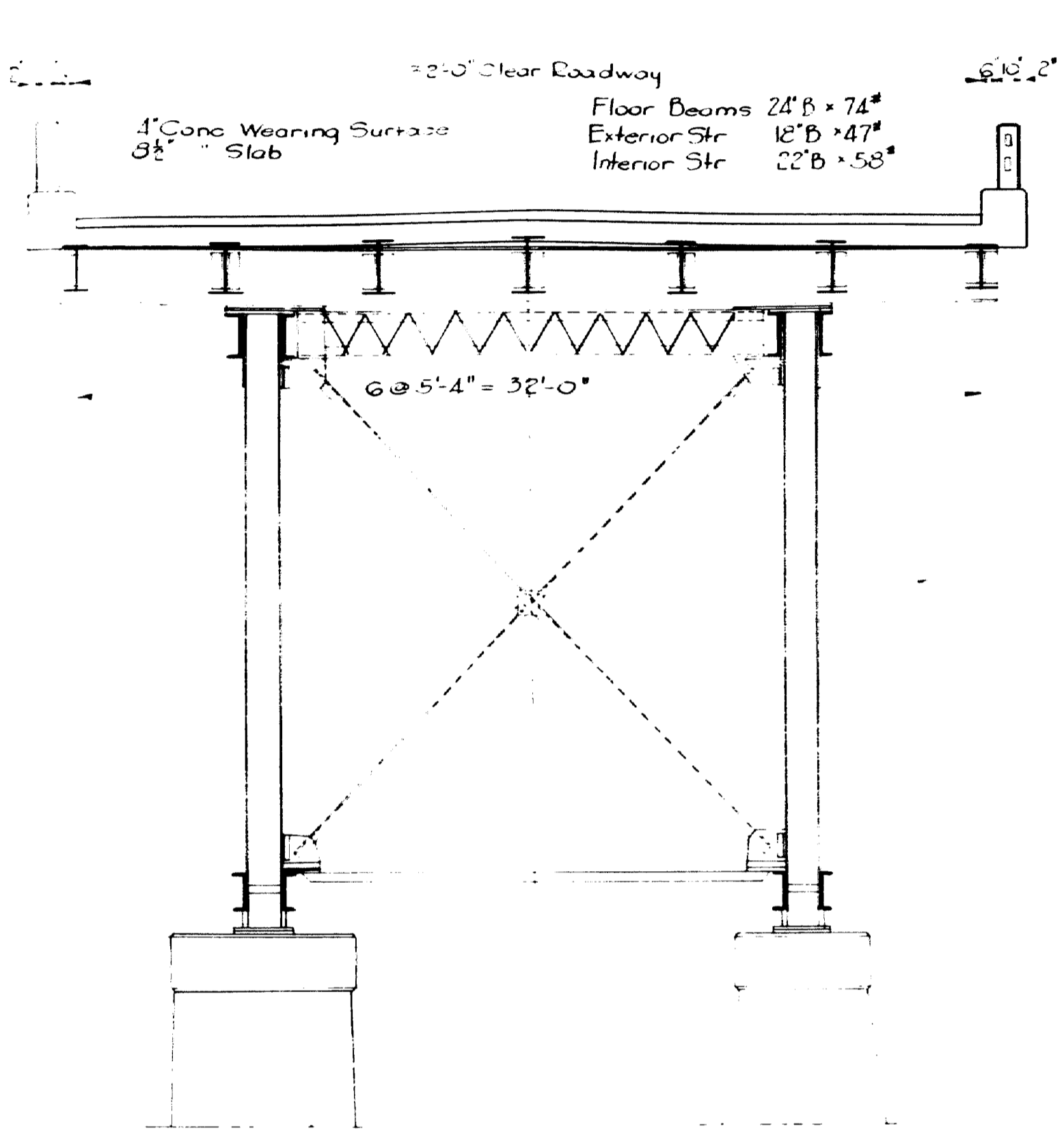
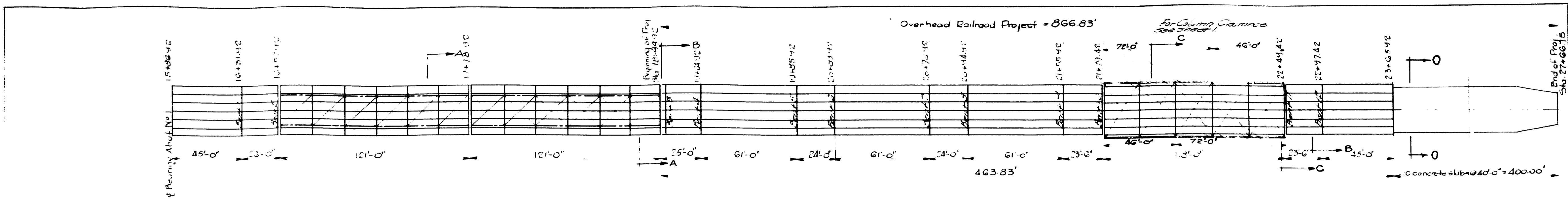
PROFILE
HOR. 1"=60'
VERT. 1"=20'

MAINE HIGHWAY COMMISSION
BRIDGE DIVISION
**PROPOSED STRUCTURE
AT
FALMOUTH RAILROAD
CROSSING**
STATE HIGHWAY ROUTE 26
SHEET 1 of 4 AUGUSTA ME. MAR. 23, 1932

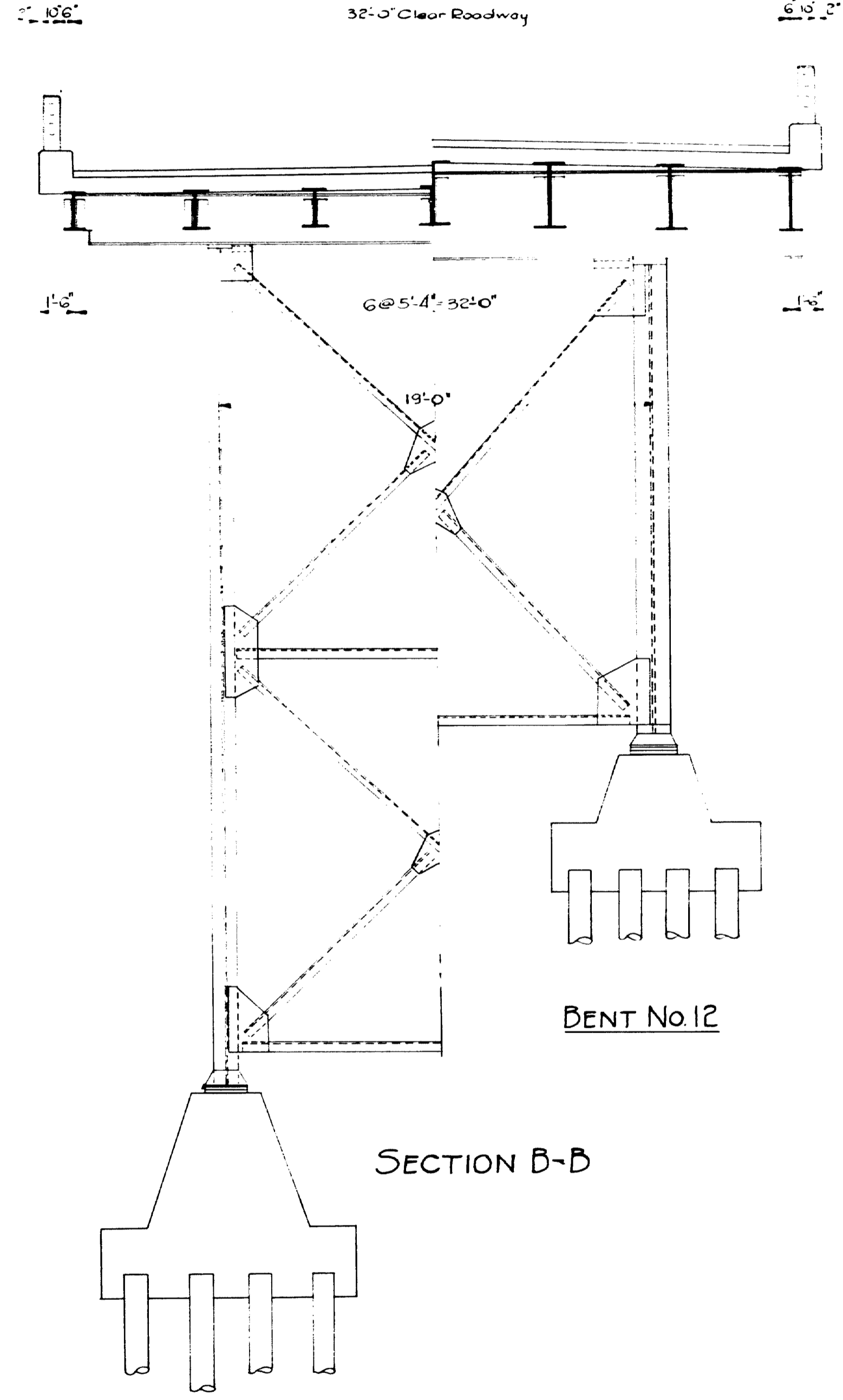
Town 09-07
Bridge 270E



S.L.P. - Traced - 4/11/32
V-523

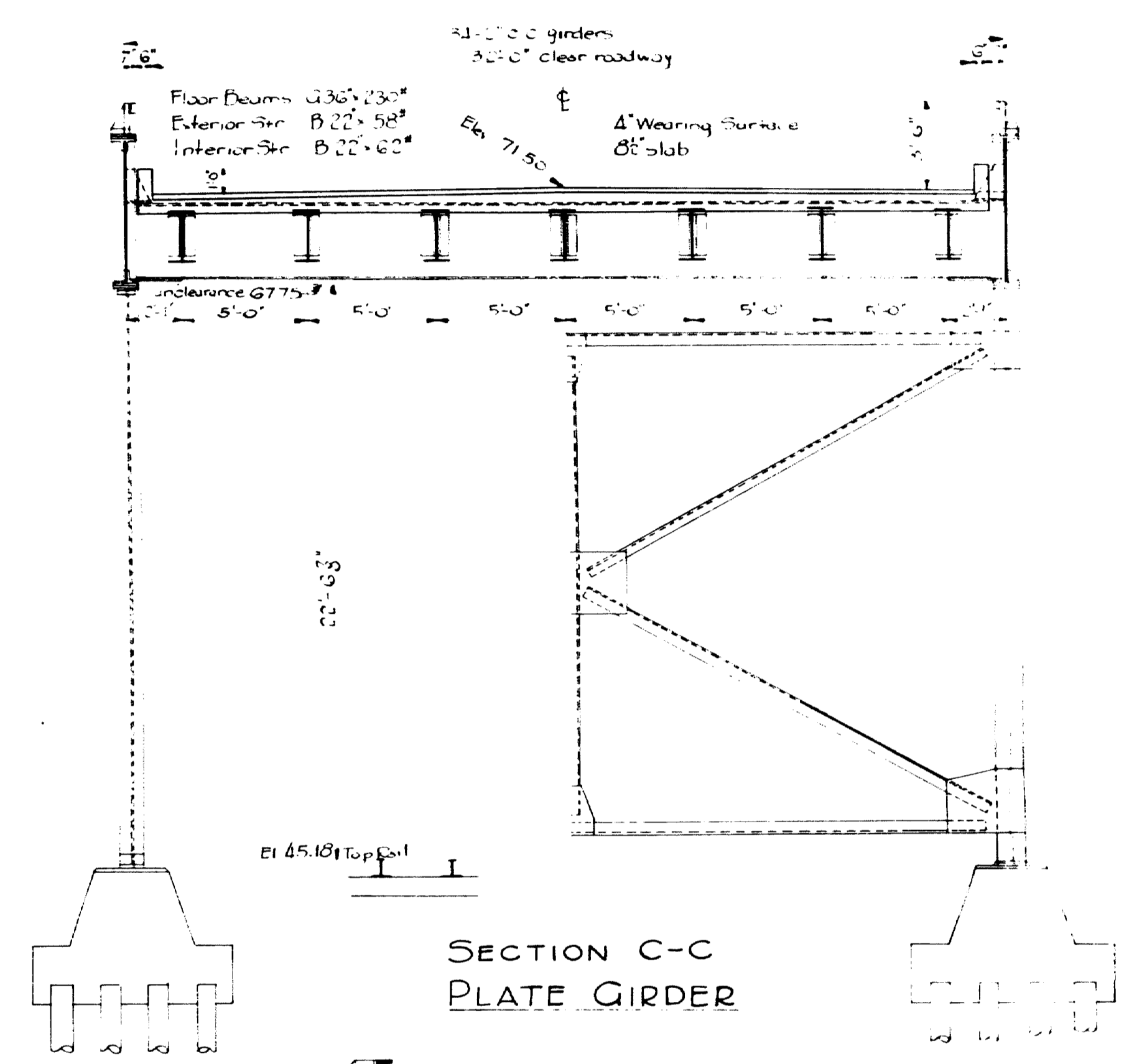


SECTION A-A
RIVER TRUSS

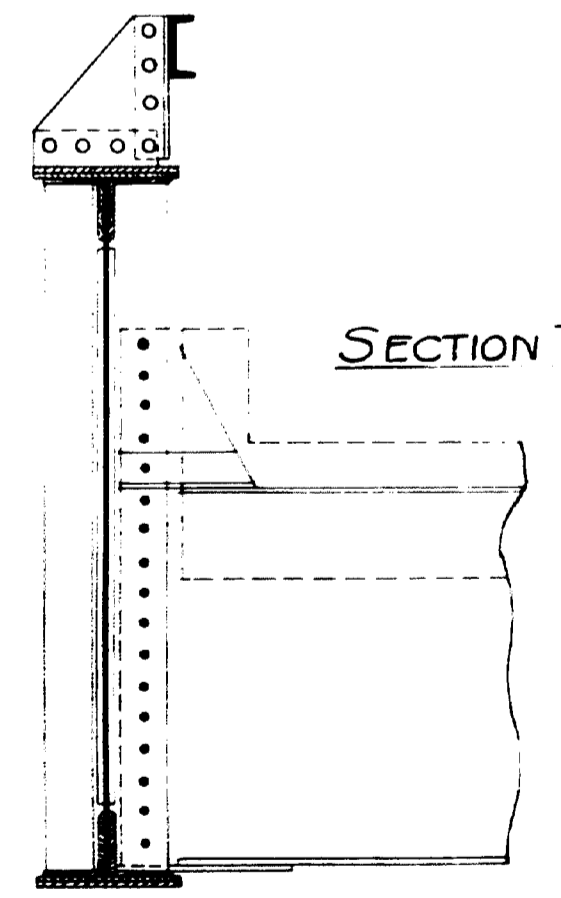


SECTION B-B

BENT No. 3

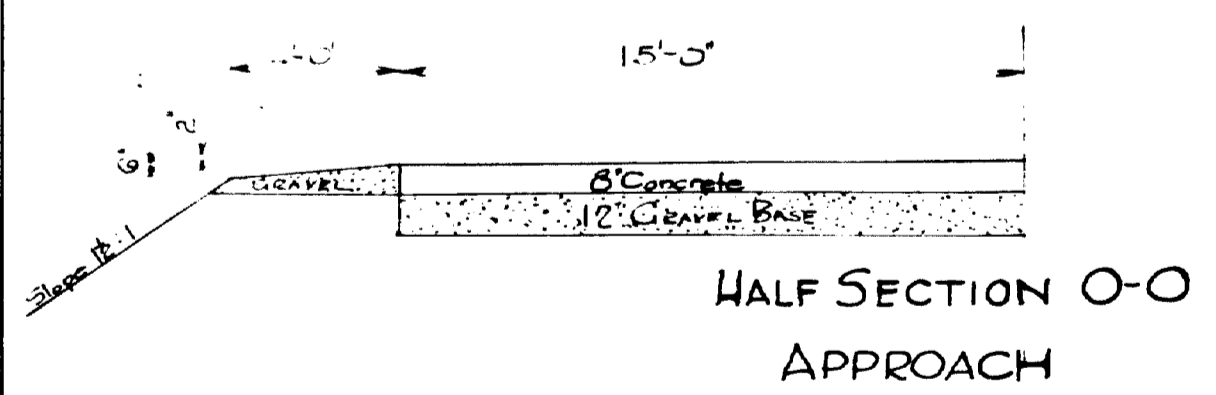


SECTION C-C
PLATE GIRDER



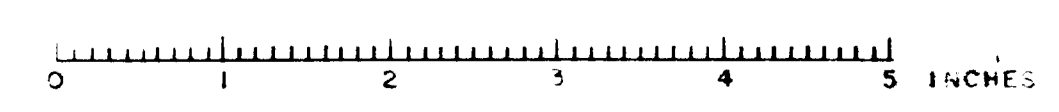
SECTION THRU GIRDER

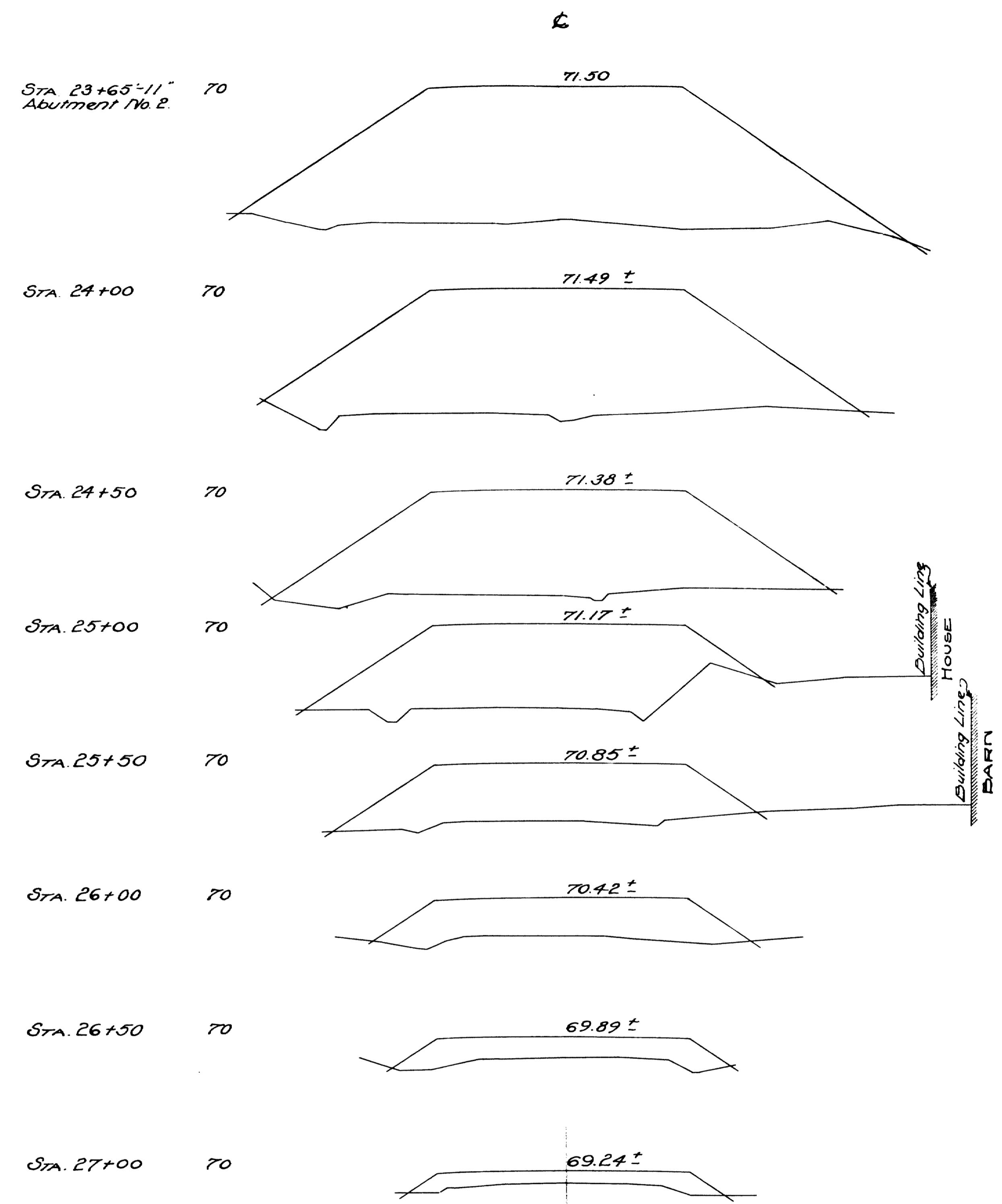
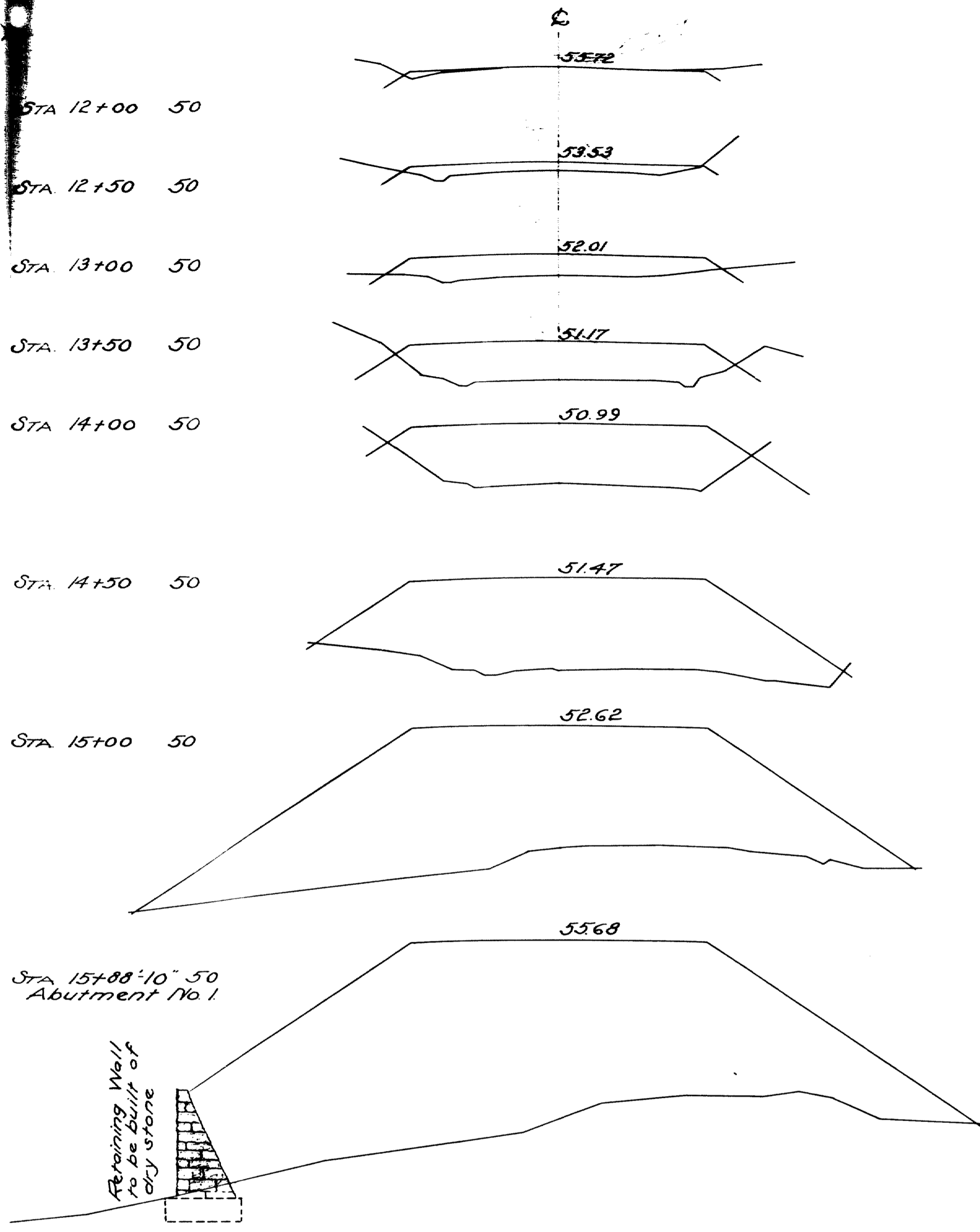
PLATE GIRDER
Web pl. 67"
Flange 6" x 8"
Cover pl. 14" x 3"



HALF SECTION O-O
APPROACH

MAINE HIGHWAY COMMISSION
BRIDGE DIVISION
FALMOUTH RAILROAD CROSSING
OVER THE TRACKS OF
MAINE CENTRAL RAILROAD
AND THE
PRESUMSCOT RIVER
IN THE TOWN OF
FALMOUTH CUMBERLAND CO.
TYPICAL SECTIONS OF GRADE ELIMINATION
Sheet 2 of 2 Augusta, Me. Sept. 26, 1932



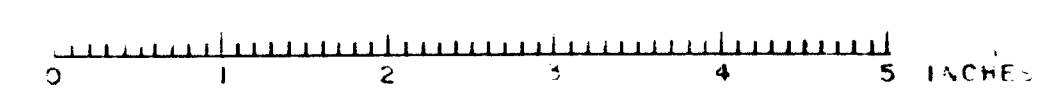


STA. 27+50

0"

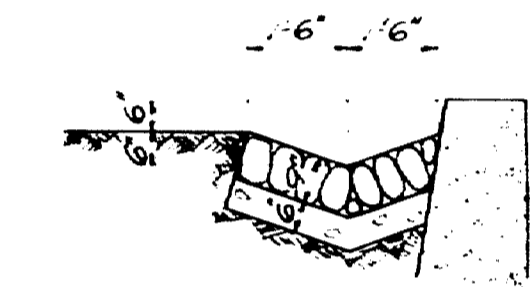
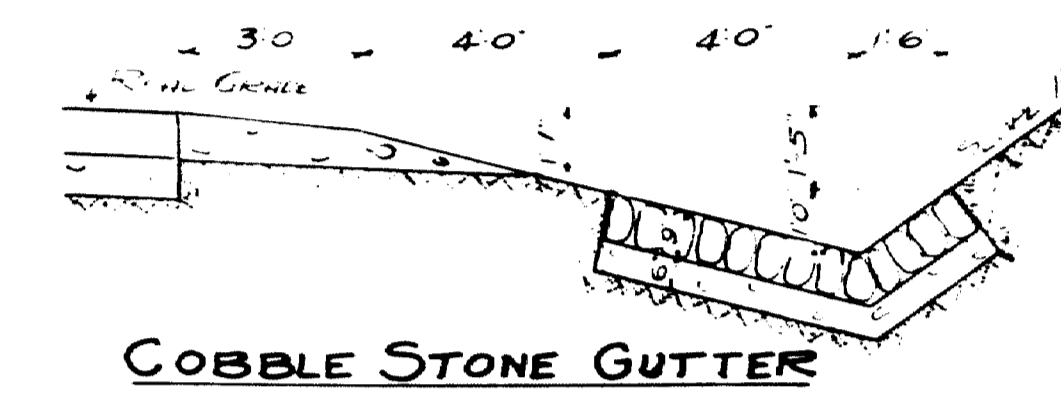
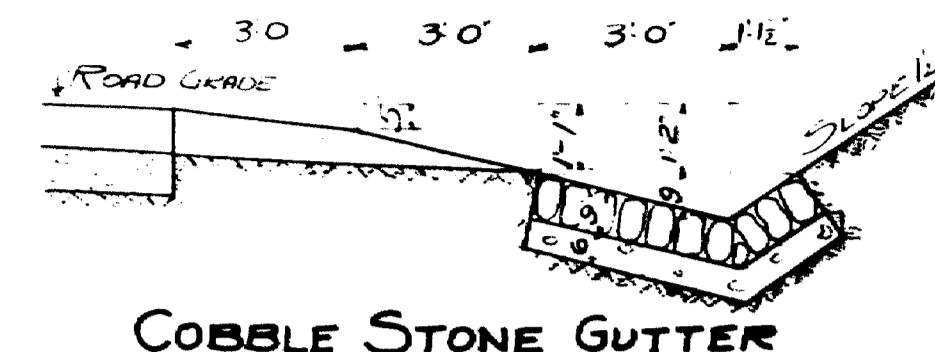
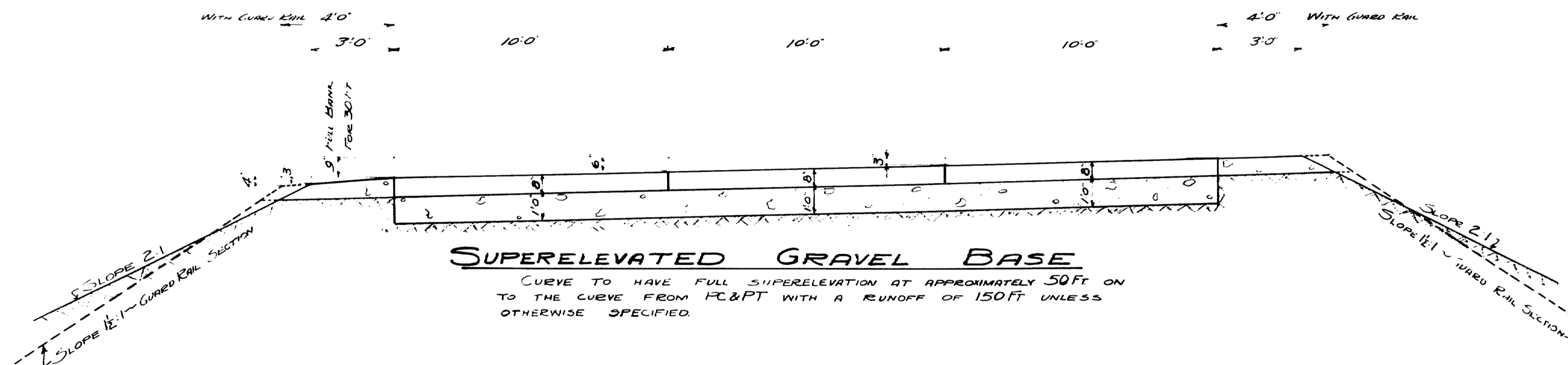
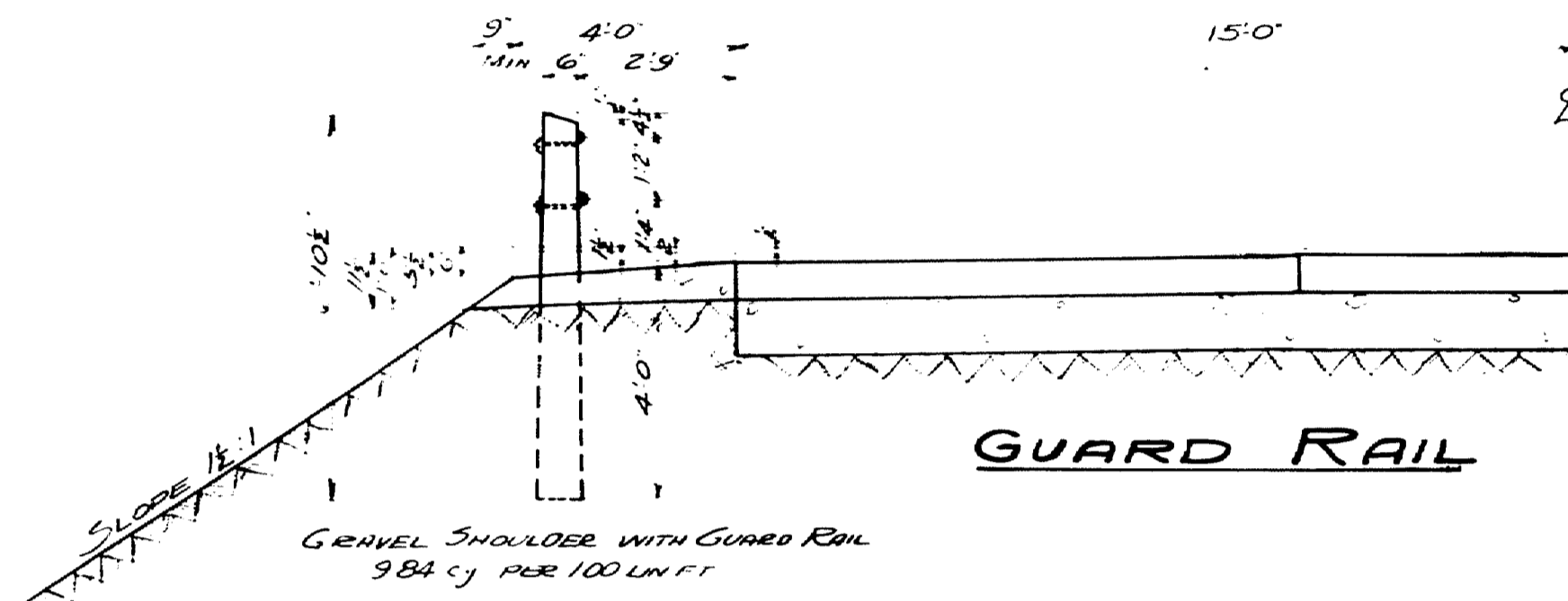
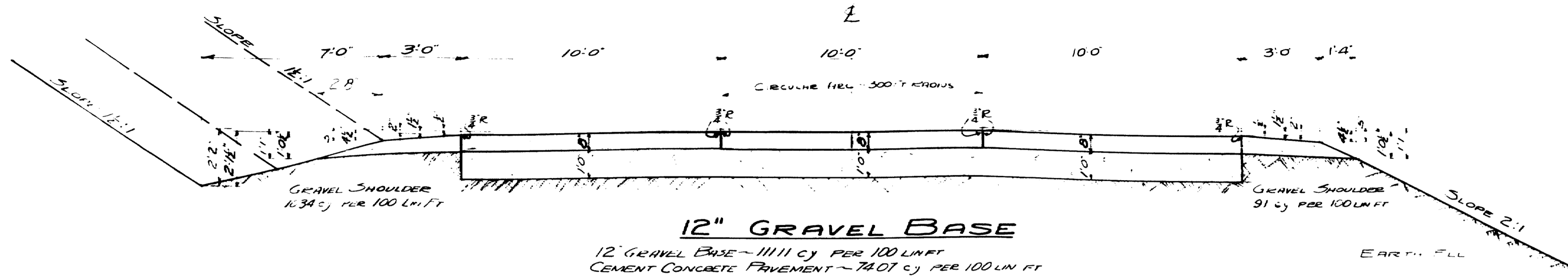
Town 03-07
Bridge 2702

MAINE HIGHWAY COMMISSION
BRIDGE DIVISION
PROPOSED STRUCTURE
AT
FALMOUTH RAILROAD
CROSSING
STATE HIGHWAY ROUTE 26
SHEET 2 of 4 AUGUSTA, ME. Mar. 23, 1932



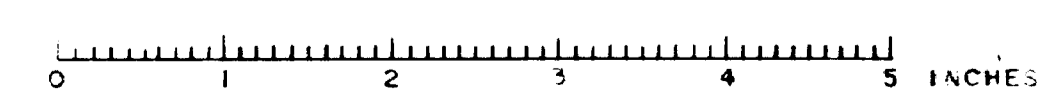
FOR ALL SECTIONS - LOCATION & DEPTH OF DITCHES TO DEPEND ON LOCAL CONDITIONS

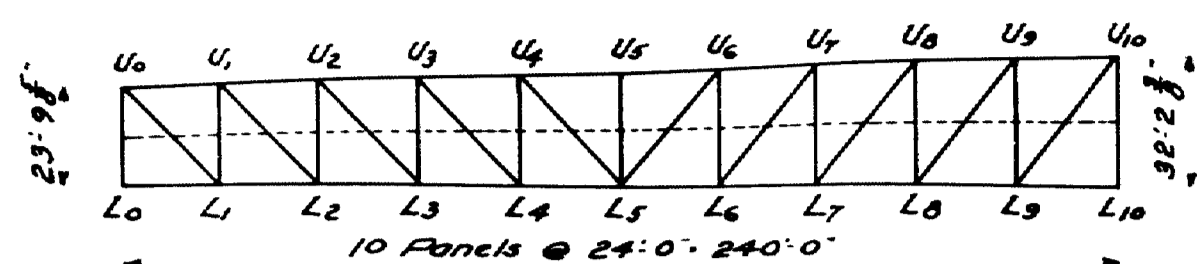
FED. ROAD DIST. NO.	PROJECT YEAR	SHEET NO.	TOTAL SHEETS
0	E. 9. 0 1932	2	31



DESIGN - E. B.

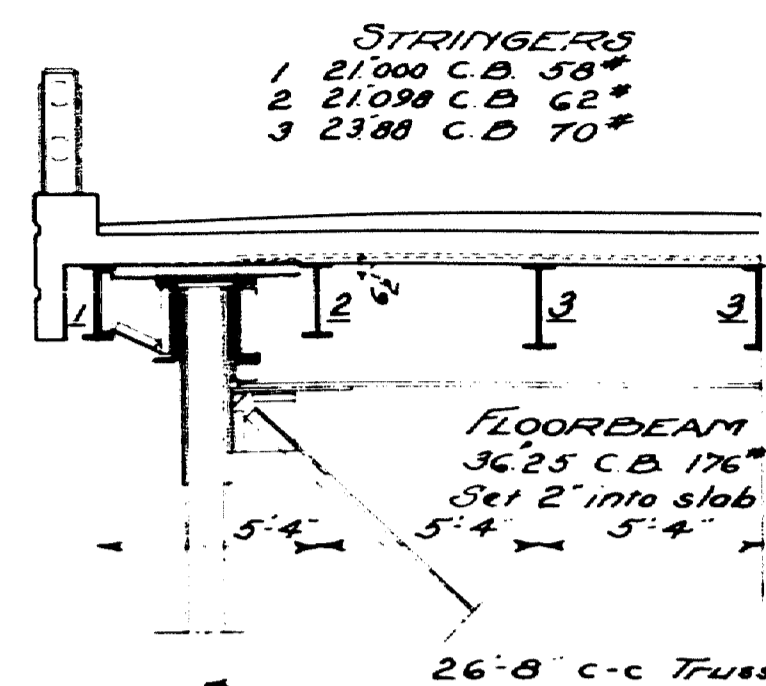
TOWN 0307
 BRIDGE 2102
 MAINE HIGHWAY COMMISSION
 BRIDGE DIVISION
FALMOUTH RAILROAD CROSSING
 OVER THE TRACKS OF
MAINE CENTRAL R.R.
 AND THE
PRESUMPSCOT RIVER
 IN THE TOWN OF
FALMOUTH
CUMBERLAND COUNTY
 STANDARDS
 Sheet 2 of 31 Augusta, Me 1932



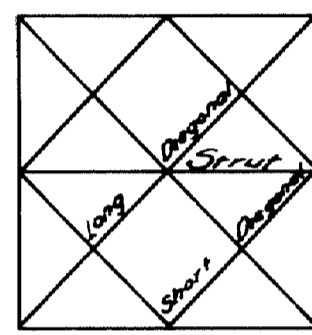


RIVER SPAN TRUSS

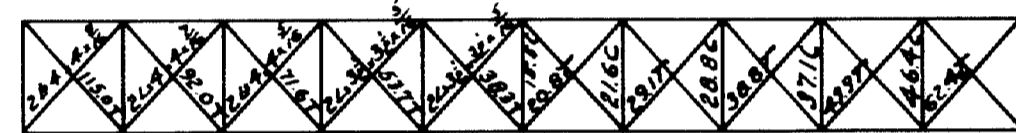
MEMBER	DEAD LOAD (L-1) STRESS	DOUBLE DEAD STRESS	LATERAL STRESS INCREASED 50%	SECTION
U0U1	548.2 C	216.4 C	76.9 C	Cov. Fl. 2x2 1/2
U1U2	942.5 C	372.8 C	136.8 C	2 Web Fls 22x8
U2U3	1197.5 C	473.8 C	179.5 C	2 Top Ls 4x4
U3U4	1326.2 C	524.7 C	205.2 C	2 Bottom Ls 6x4
U4U5	1340.1 C	530.2 C	213.7 C	2 Inside Web Fls 22x8
U5U6	1340.1 C	530.2 C	213.7 C	2 Outside Web Fls 22x8
U6U7	1249.0 C	494.1 C	205.2 C	2 Top Ls 4x4
U7U8	1061.9 C	420.1 C	179.5 C	2 Bottom Ls 6x4
U8U9	786.8 C	311.3 C	136.8 C	2 Web Fls 22x8
U9U10	430.7 C	170.3 C	76.9 C	2 Top Ls 4x4
L0L1	547.9 T	216.7 T	41.7 T	2 Web Fls 22x8
L1L2	941.5 T	372.6 T	74.2 T	2 Inside Web Fls 22x8
L2L3	1196.5 T	473.3 T	97.3 T	2 Outside Web Fls 22x8
L3L4	1325.5 T	524.3 T	111.2 T	2 Top Ls 4x4
L4L5	1248.3 T	493.7 T	111.2 T	2 Bottom Ls 6x4
L5L6	1061.9 T	419.9 T	97.3 T	2 Inside Web Fls 22x8
L6L7	786.8 T	310.9 T	74.2 T	2 Outside Web Fls 22x8
L7L8	430.5 T	170.2 T	41.7 T	2 Top Ls 4x4
L8L9	625.0 C	267.9 C	114.7 C	4 Fls 13x4
L9L10	543.4 C	233.0 C	114.7 C	2 Fls 13x4
U1L1	404.5 C	188.1 C	2	2
U2L2	270.6 C	148.7 C	12.25 C.B. 72#	2
U3L3	141.1 C	114.0 C	12.12 C.B. 65#	2
U4L4	125.0 C	122.2 C	12.12 C.B. 65#	2
U5L5	231.2 C	145.4 C	12.12 C.B. 65#	2
U6L6	349.7 C	178.4 C	2 Fls 13x4	2
U7L7	465.0 C	213.2 C	2	2
U8L8	577.6 C	247.8 C	2	2
U9L9	625.0 C	267.9 C	114.7 C	4
U10L10	771.6 T	330.8 C	114.7 C	2
L1U1	564.8 T	263.6 T	2	2
L2U2	371.7 T	204.2 T	2	2
L3U3	191.1 T	154.4 T	12.12 C.B. 65#	2
L4U4	20.8 T	112.8 T	12.12 C.B. 65#	2
L5U5	142.3 T	148.8 T	12.12 C.B. 65#	2
L6U6	297.3 T	186.9 T	12.50 C.B. 85#	2
L7U7	444.8 T	226.9 T	2 Fls 13x4	2
L8U8	585.6 T	268.6 T	2	2
L9U9	720.4 T	309.1 T	4	2
L10U10			12.12 C.B. 32#	2



HALF SECTION B-B



SWAY FRAME



TOP LATERALS

BOTTOM LATERALS

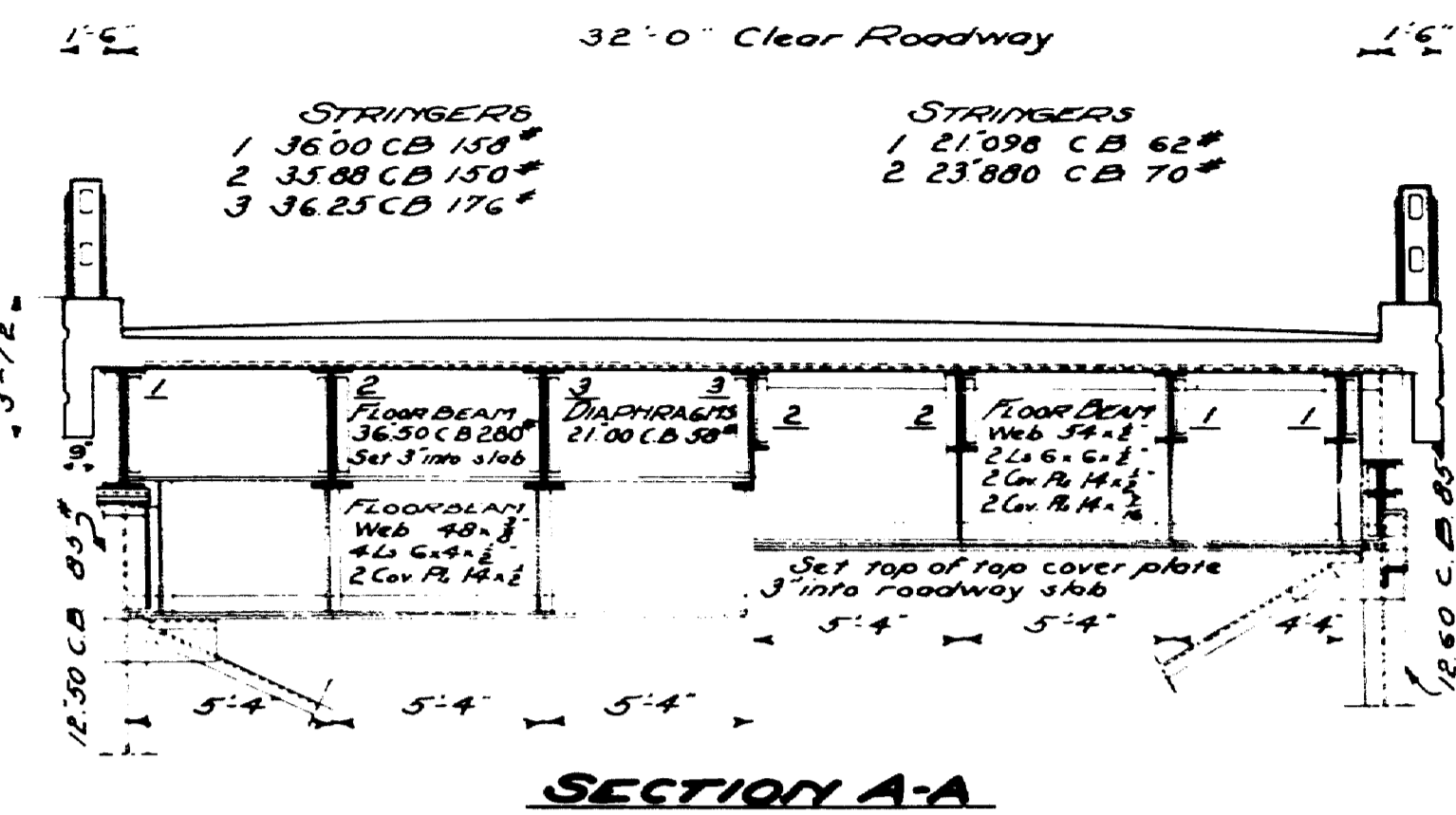
Note: The clear distance between webs of chord members is 1'-8". The back to back distance of built up web members is 1'-0". All stresses shown are to be used with unit stresses for dead load.

TRANSVERSE BEAMS

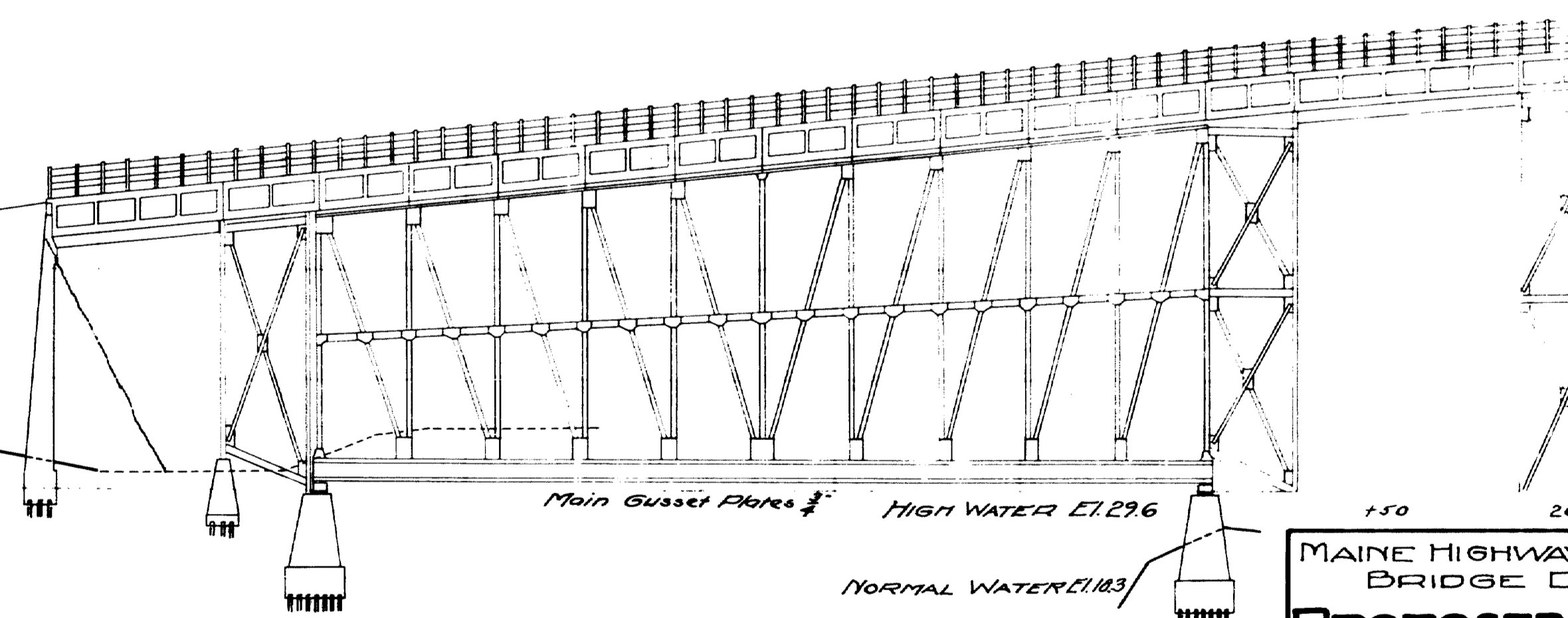
River Span to Railroad Span
Columns 12.30 C.B. 85#
Diagonals 2L 4x3x3/8
Struts 2L 6x3x3/8
Hangers 2L 3x3x3/8

LONGITUDINAL BRACING
Diagonals L 6x6x3/8
Struts 10.00 C.B. 49#

PLAN
SCALE 1" = 30'



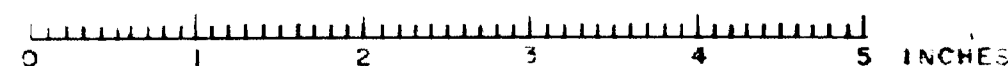
SECTION A-A

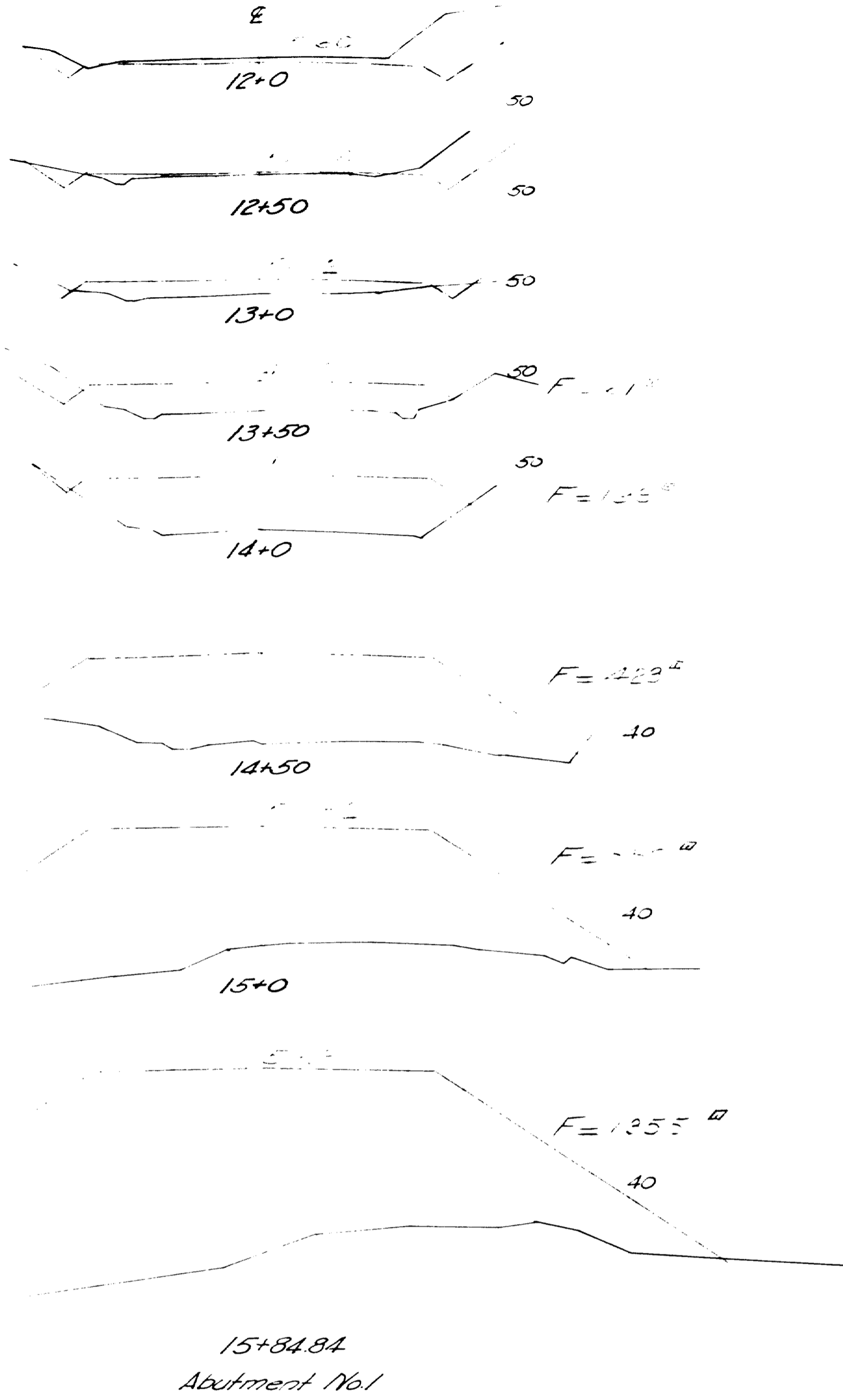


PROFILE

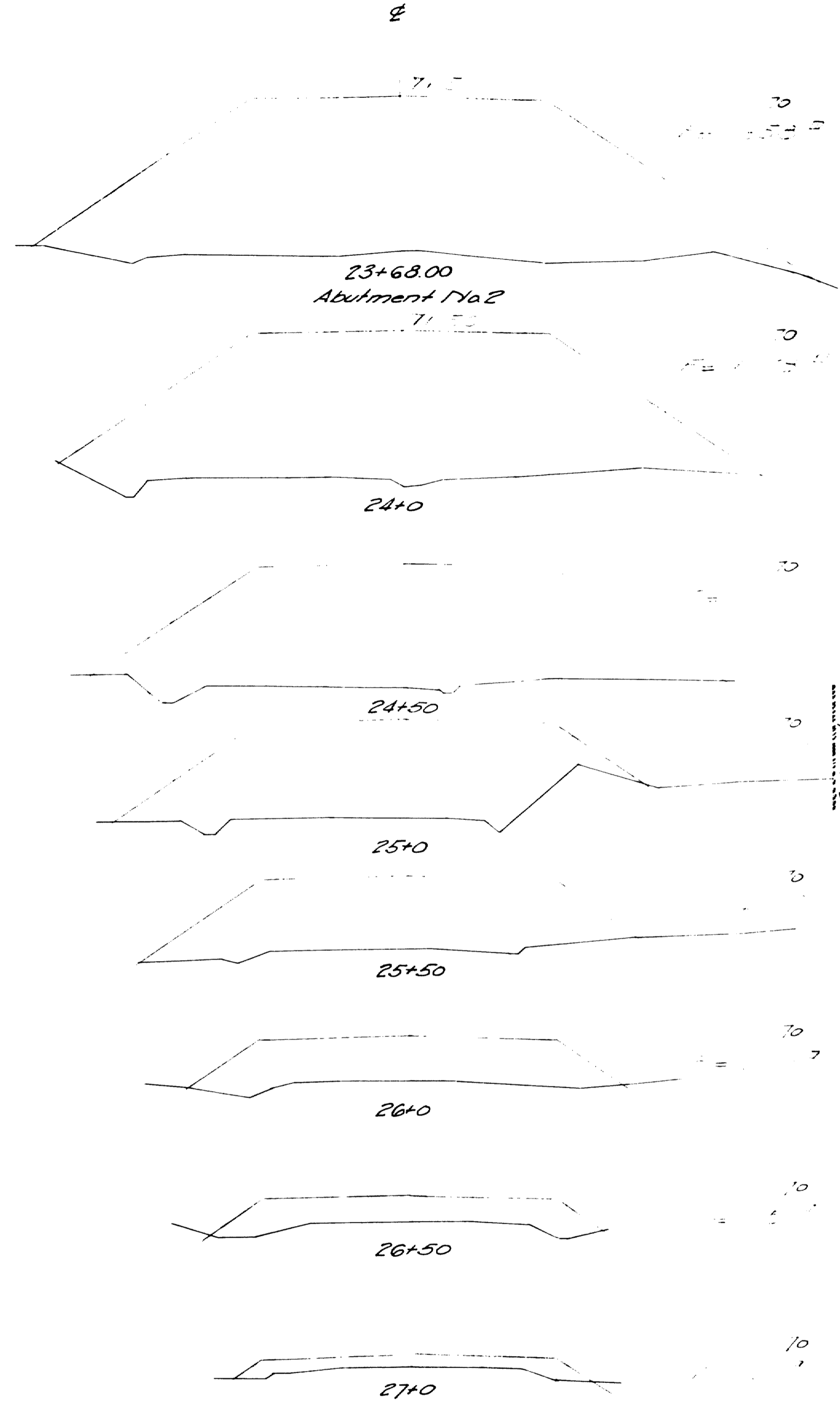
SCALES HOR. 1" = 30'-0"
VER. 1" = 10'-0"

MAINE HIGHWAY COMMISSION
BRIDGE DIVISION
PROPOSED STRUCTURE
AT
FALMOUTH RAILROAD
CROSSING
STATE HIGHWAY ROUTE 26
SHEET 3 of 4 AUGUSTA, ME. March 23, 1922





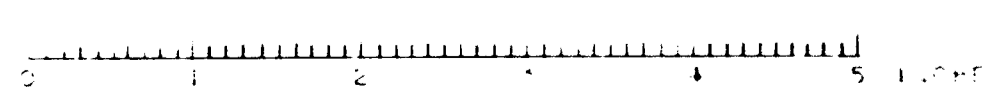
15+84.84
 Abutment No. 1

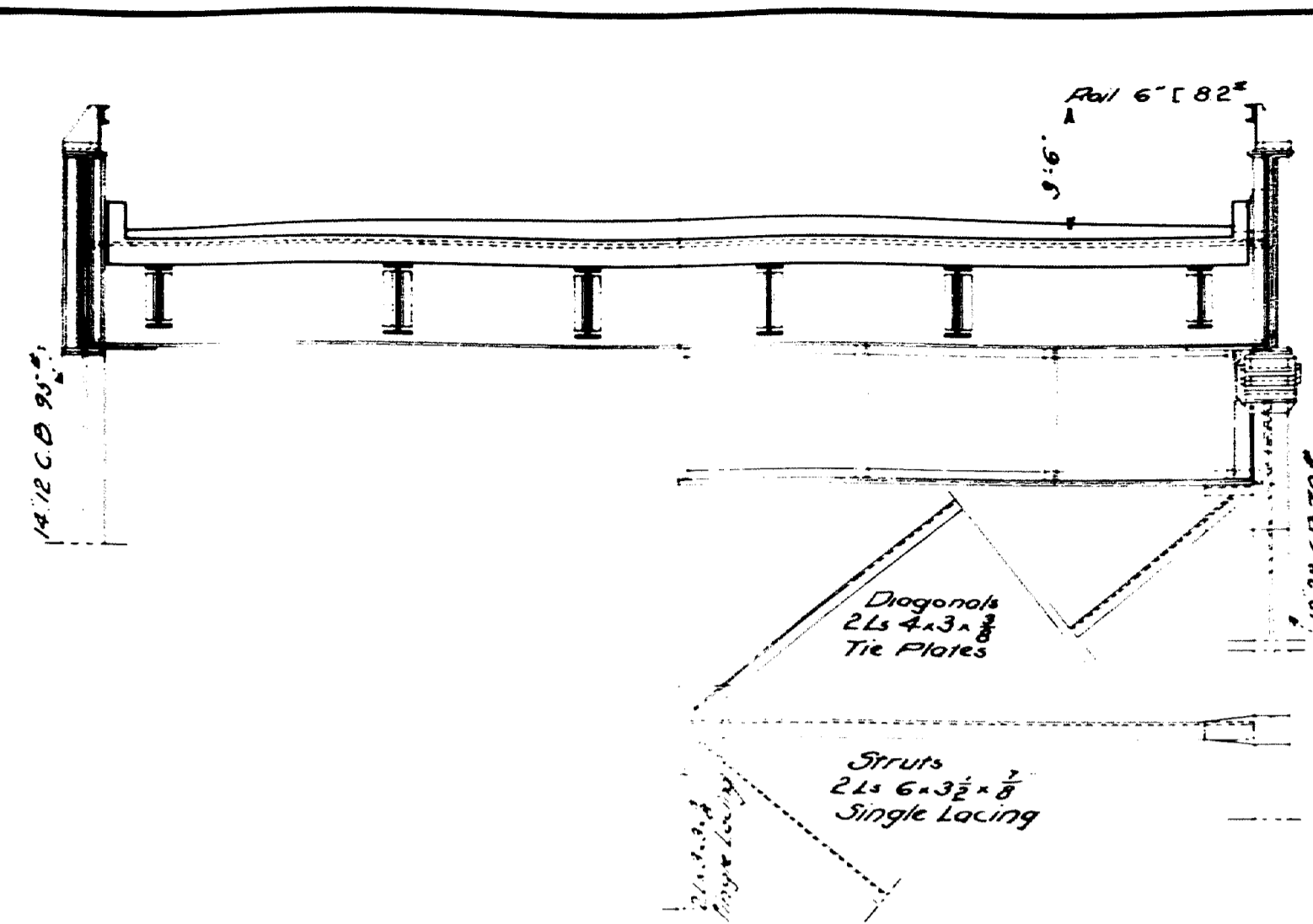


23+68.00
 Abutment No. 2

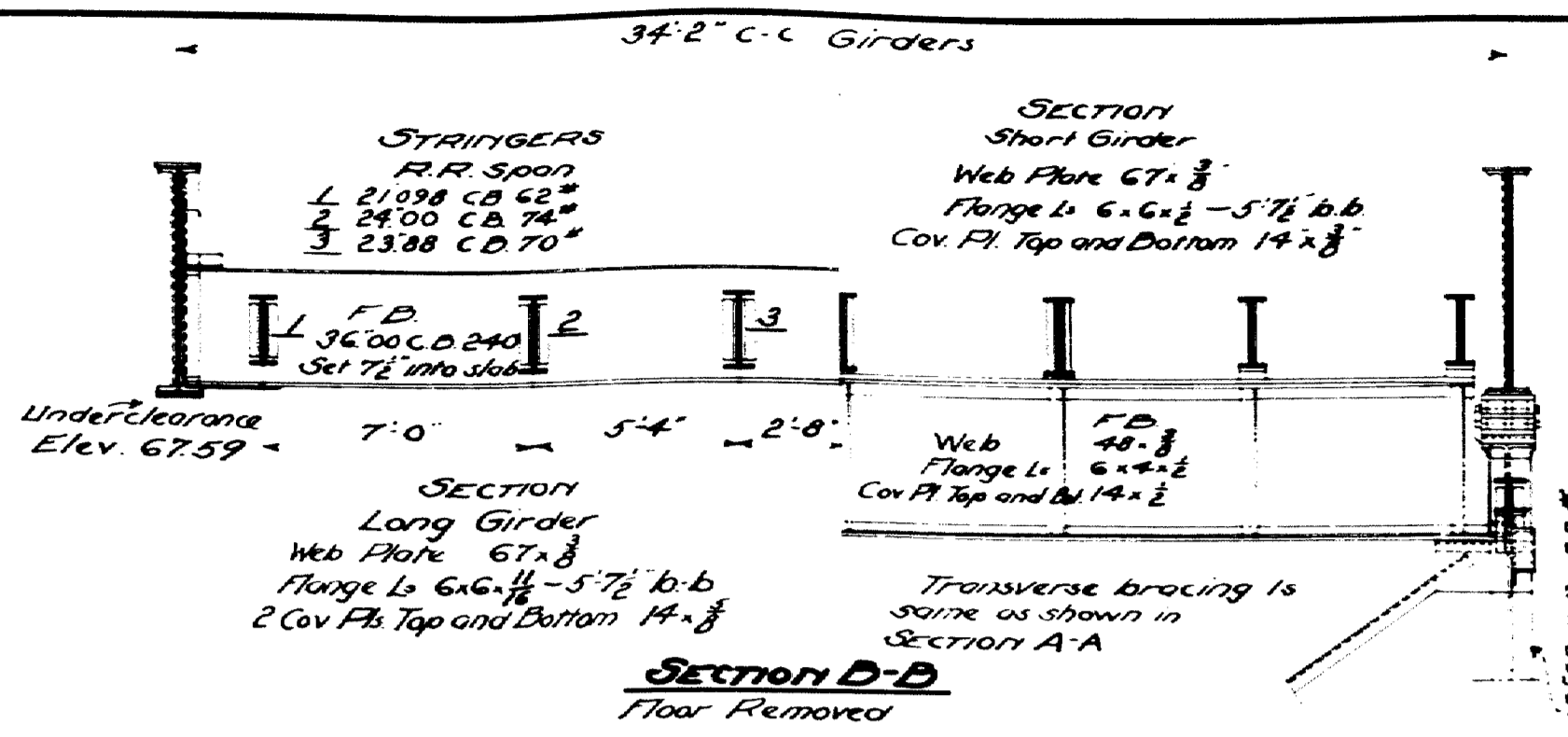
Building Line
 House
 Building Line
 Barn

Town 03-07
 Bridge 2702
 MAINE HIGHWAY COMMISSION
 BRIDGE DIVISION
 FALMOUTH RAILROAD CROSSING
 OVER THE TRACKS OF
 MAINE CENTRAL RAILROAD
 AND THE
 PRESUMPSCOT RIVER
 IN THE TOWN OF
 FALMOUTH, CUMBERLAND CO.
 APPROACH SECTIONS
 Sheet 3 of 31 Augusta, Me. Sept. 19, 1932.

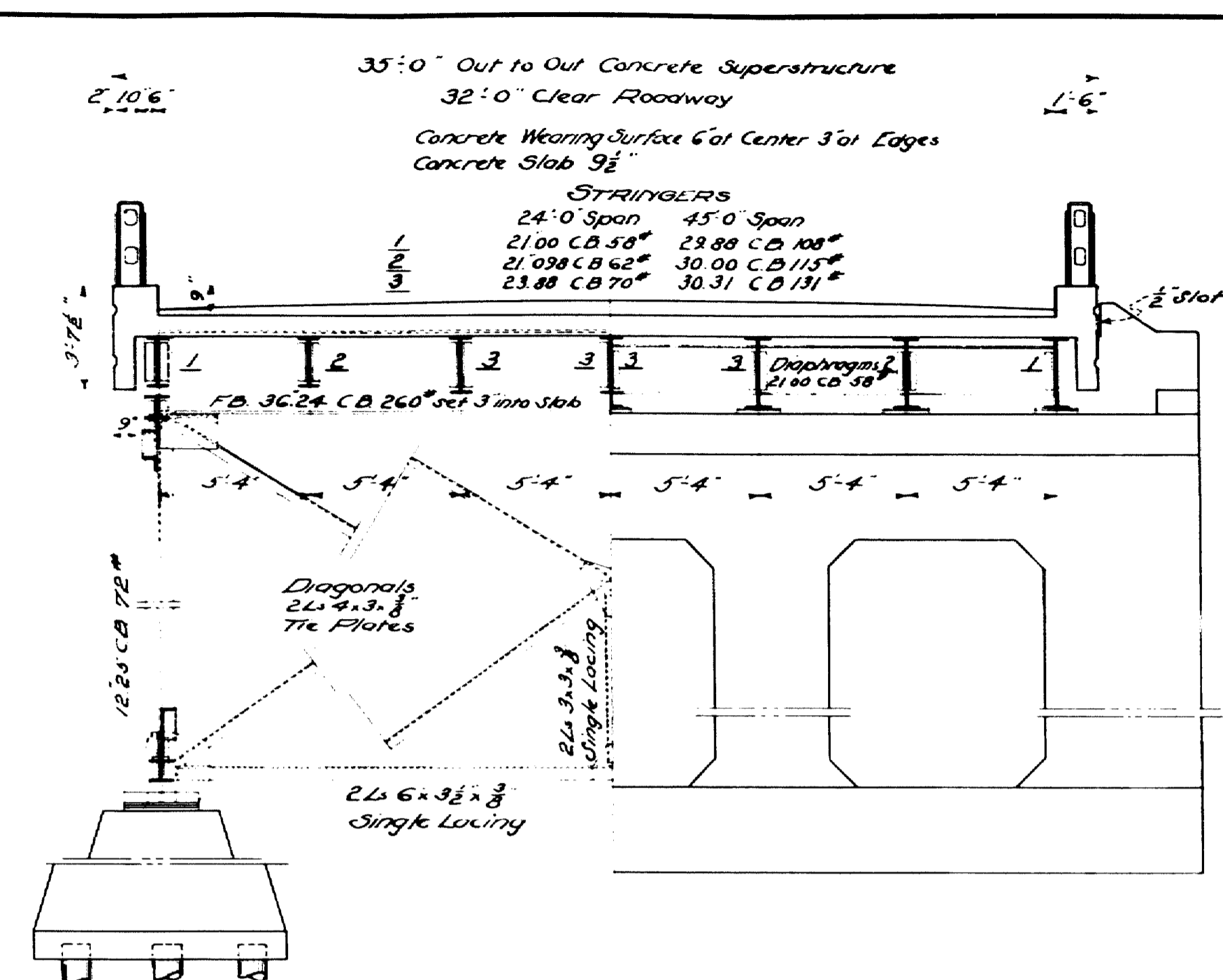




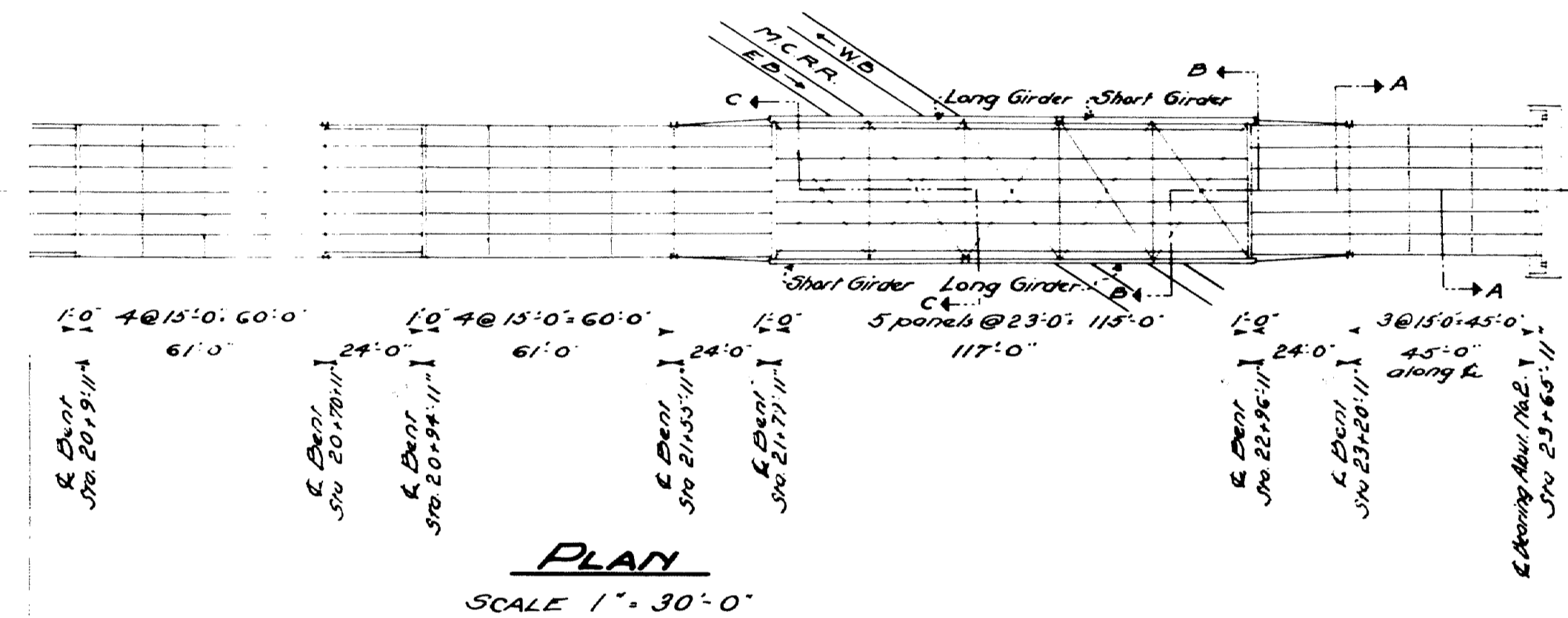
SECTION C-C
The bottom of transverse frame which is not shown is similar to that shown in SECTION A-A.



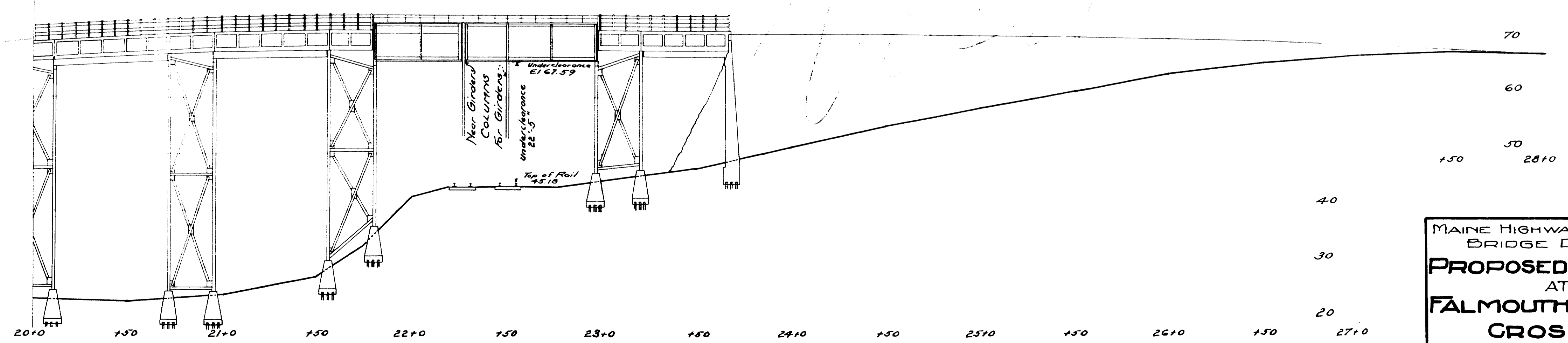
SECTION D-D
Floor Removed
LOWER LATERAL DIAGONALS
Railroad Span
2L 4x3x $\frac{1}{2}$ 4 legs upstanding
LONGITUDINAL BRACING
Struts 10,000 C.D. 49"
Diagonals L 6x6x $\frac{1}{2}$ "



SECTION A-A



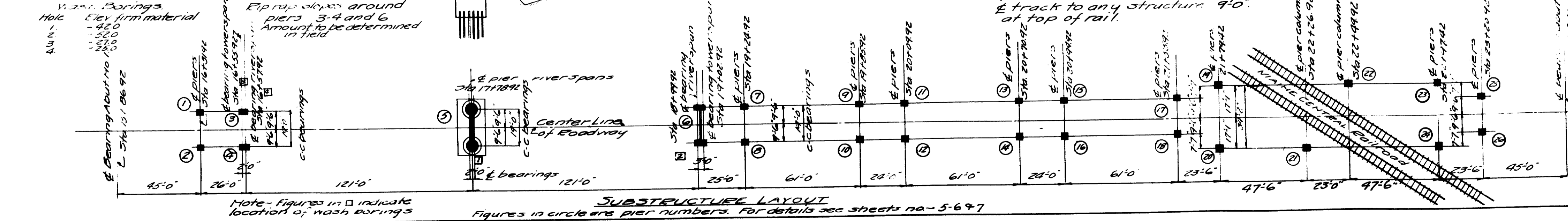
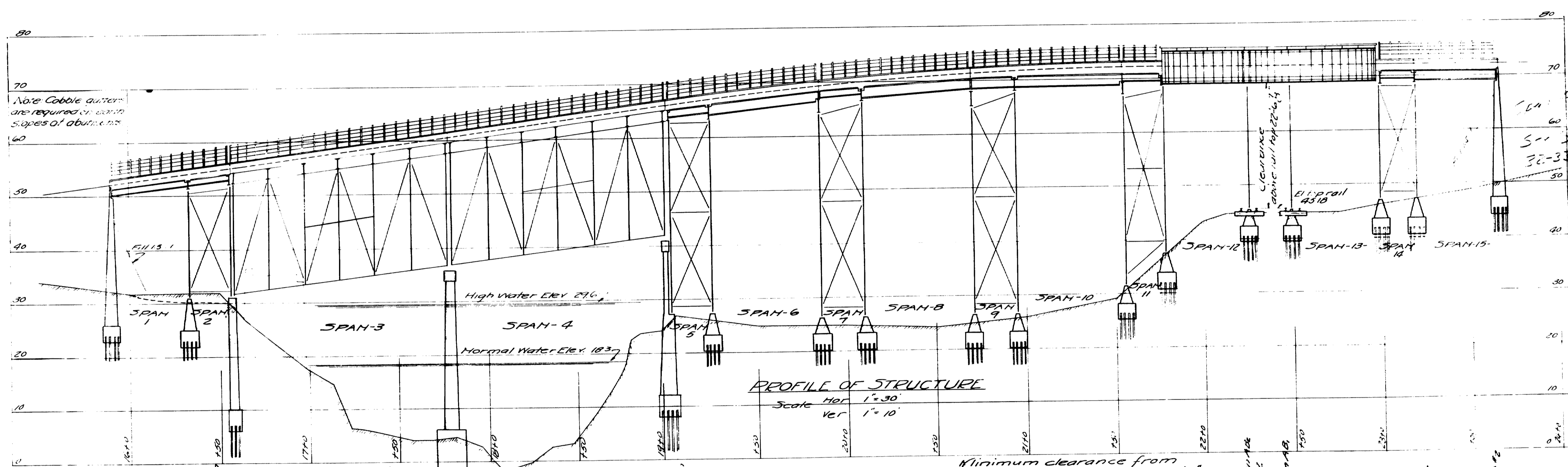
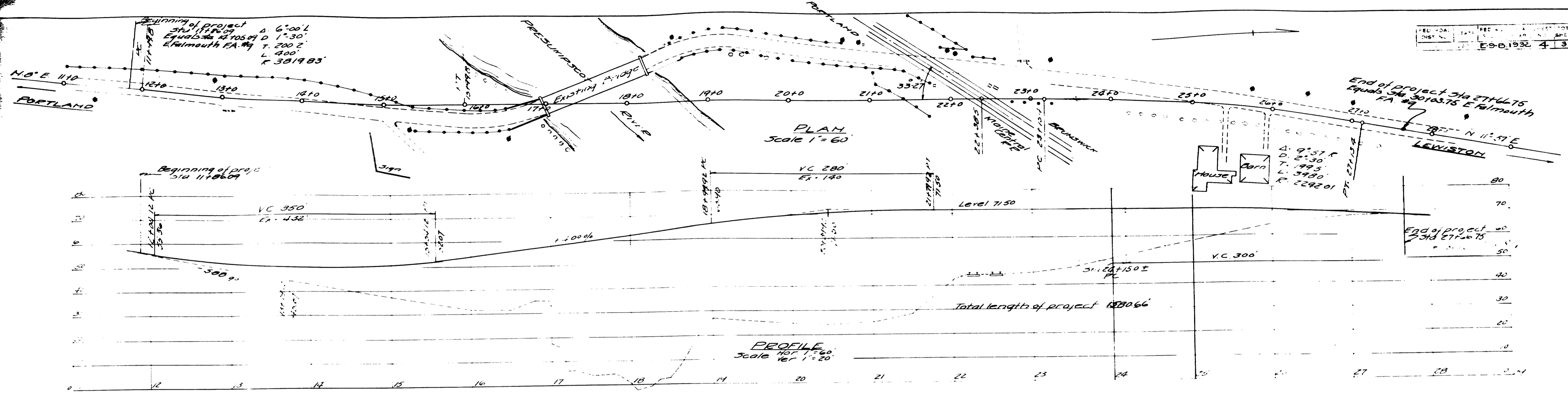
PLAN
SCALE 1" = 30'-0"



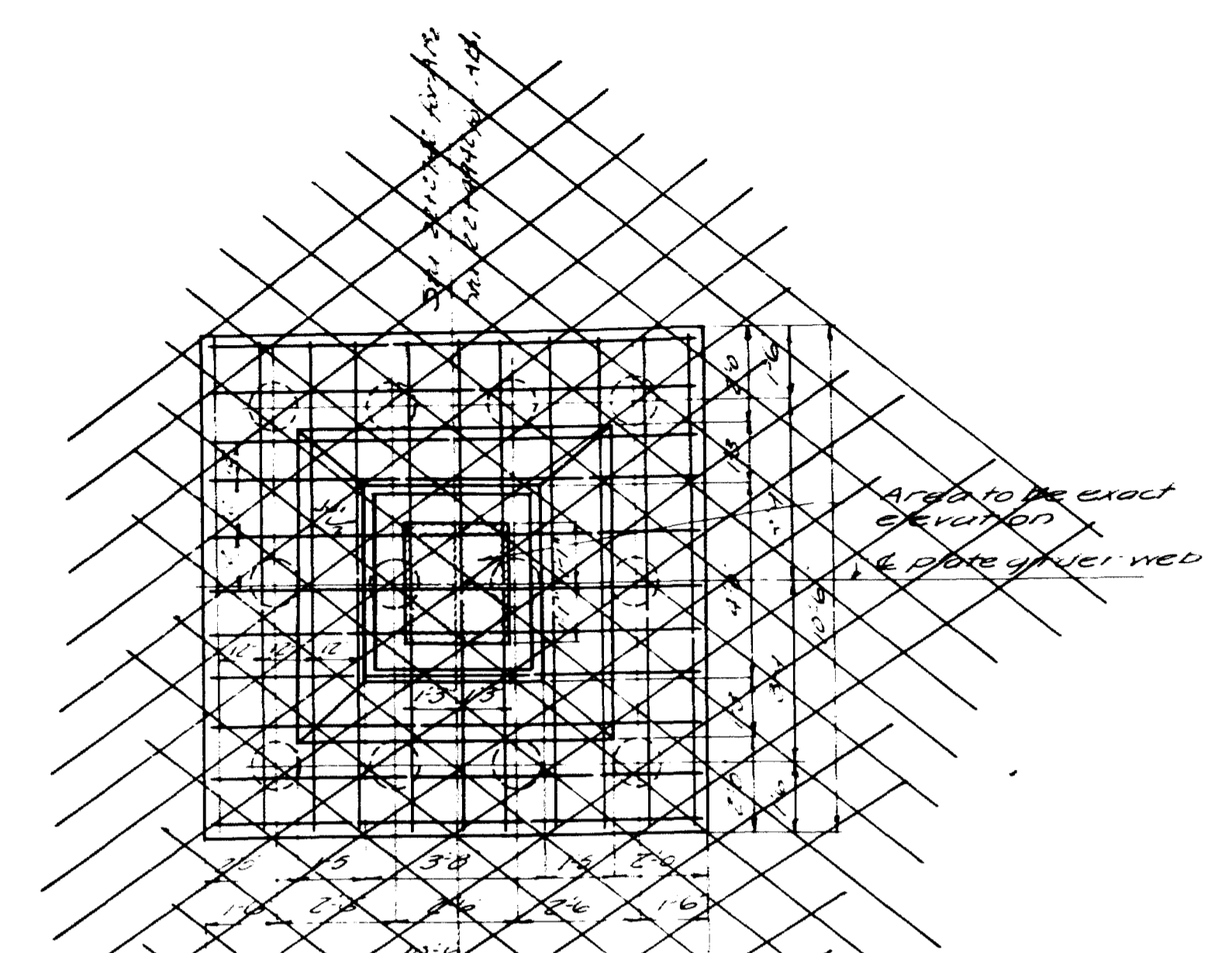
PROFILE
HOR. 1" = 30'
VER. 1" = 10'

Town 03-07
Bridge 2702
MAINE HIGHWAY COMMISSION
BRIDGE DIVISION
**PROPOSED STRUCTURE
AT
FALMOUTH RAILROAD
CROSSING**
STATE HIGHWAY ROUTE 26
SHEET 4 of 4 AUGUSTA, ME. March 23, 1932

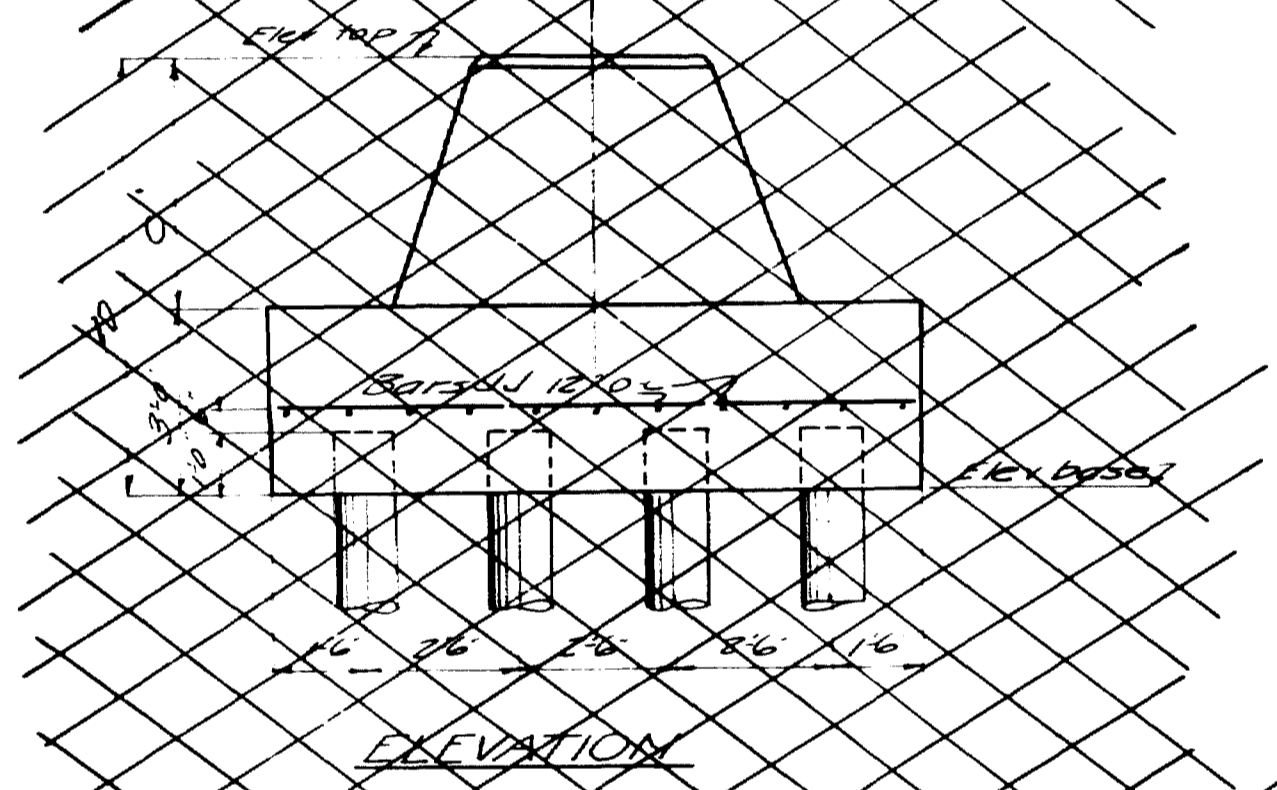




Town 03-07
 Bridge 2702
 MAINE HIGHWAY COMMISSION
 BRIDGE DIVISION
 FALMOUTH RAILROAD CROSSING
 over the
 MAINE CENTRAL RAILROAD
 PRESUMPSCOT RIVER
 in the town of
 FALMOUTH
 CUMBERLAND COUNTY, ME
 SURVEY AND LAYOUT
 Sheet 4 of 31 August, Oct. 1932



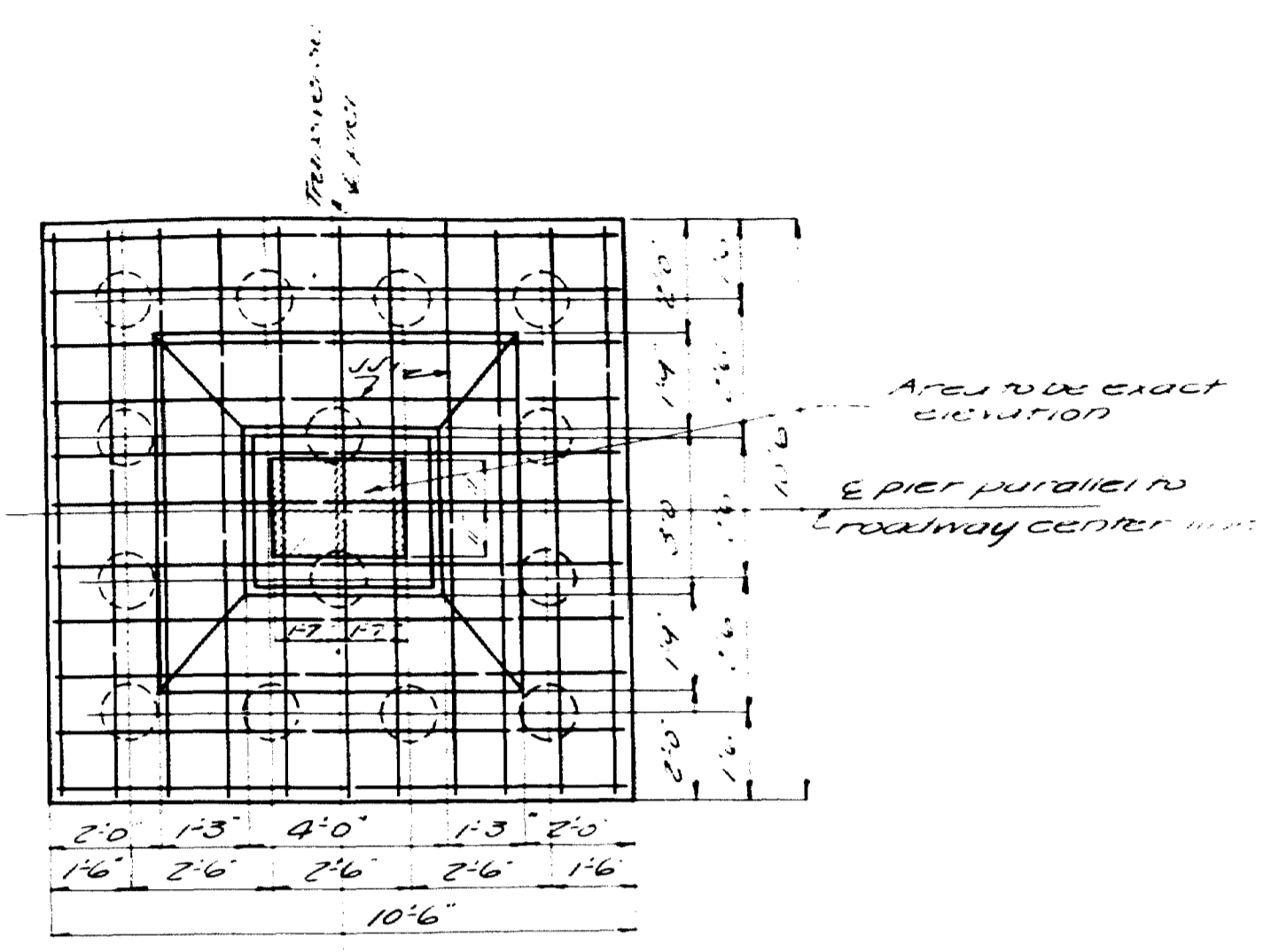
PLAN



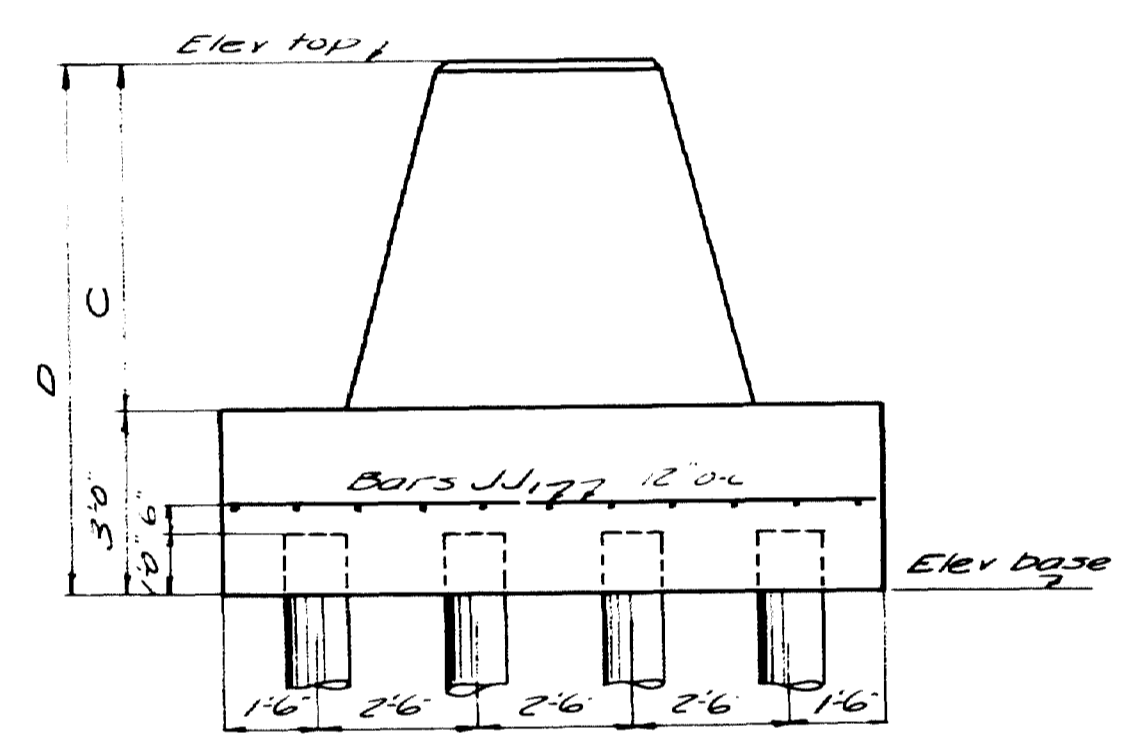
ELEVATION

CONCRETE PIERS Standard
 For columns A, B, and AB.
 For layout of piers see sheet no. 4.

Note: This detail superseded by detail on sheet 5B.

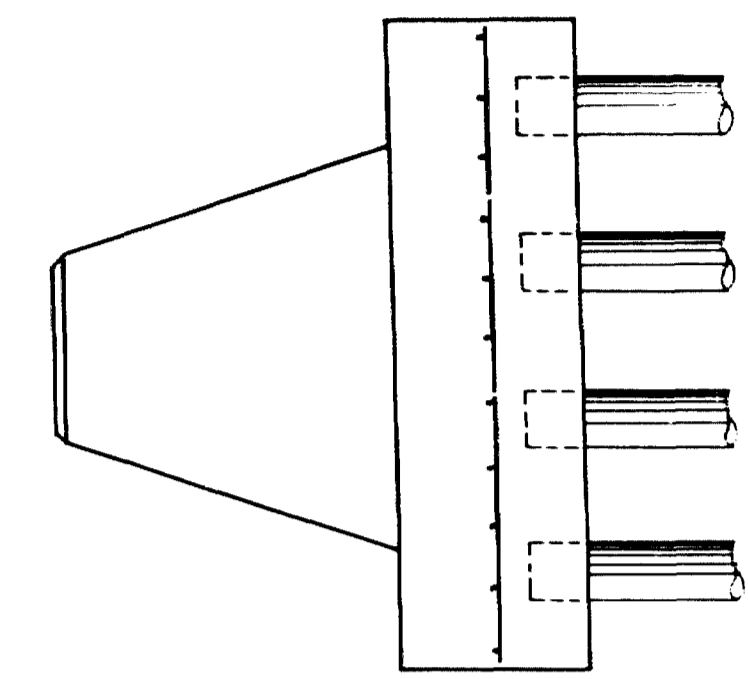


PLAN



ELEVATION

CONCRETE PIER DETAIL
 Detail of piers alike except as shown in dimension table.
 For location of piers see sheet no. 4.



ELEVATION

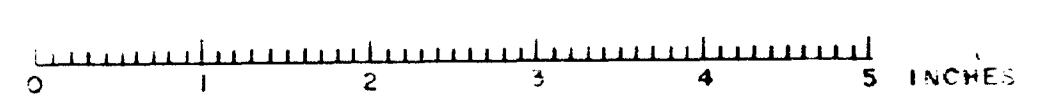
Pier No	Elev Top	Elev base	C	D	No. per length	length per pile	Created
1	30.43	21.43	6'0"	9'0"	14	30'0"	yes
2	30.43	21.43	6'0"	9'0"	14	30'0"	
7	27'0"	20'0"	4'0"	7'0"	14	60'0"	
8	27'0"	21'0"	3'0"	6'0"	14	60'0"	
9	26'0"	20'0"	3'0"	6'0"	14	40'0"	
10	26'0"	20'0"	3'0"	6'0"	14	40'0"	
11	26'0"	20'0"	3'0"	6'0"	14	40'0"	
12	26'0"	20'0"	3'0"	6'0"	14	40'0"	
13	26'0"	20'0"	3'0"	6'0"	14	20'0"	
14	26'0"	19'50"	3'6"	6'6"	14	20'0"	
15	26'0"	20'0"	3'0"	6'0"	14	20'0"	
16	26'0"	19'50"	3'6"	6'6"	14	20'0"	
17	31'0"	25'0"	3'0"	6'0"	14	25'0"	
18	31'0"	23'0"	5'0"	8'0"	14	25'0"	
19	See sheet 5A				18	25'0"	
20	35'0"	28'50"	3'6"	6'6"	14	25'0"	yes
21	See sheet 5B				18	25'0"	
22	See sheet 5B				18	25'0"	
23	46'5"	40'5"	3'0"	6'0"	14	25'0"	
24	See sheet 5A				18	25'0"	
25	46'5"	40'5"	3'0"	6'0"	14	25'0"	
26	46'5"	40'5"	3'0"	6'0"	14	25'0"	
3					52	35'0"	no
4					72	35'0"	no
5					72	45'0"	no
6					65	60'0"	no
Abut 1					48	25'0"	yes
Abut 2					48	25'0"	yes

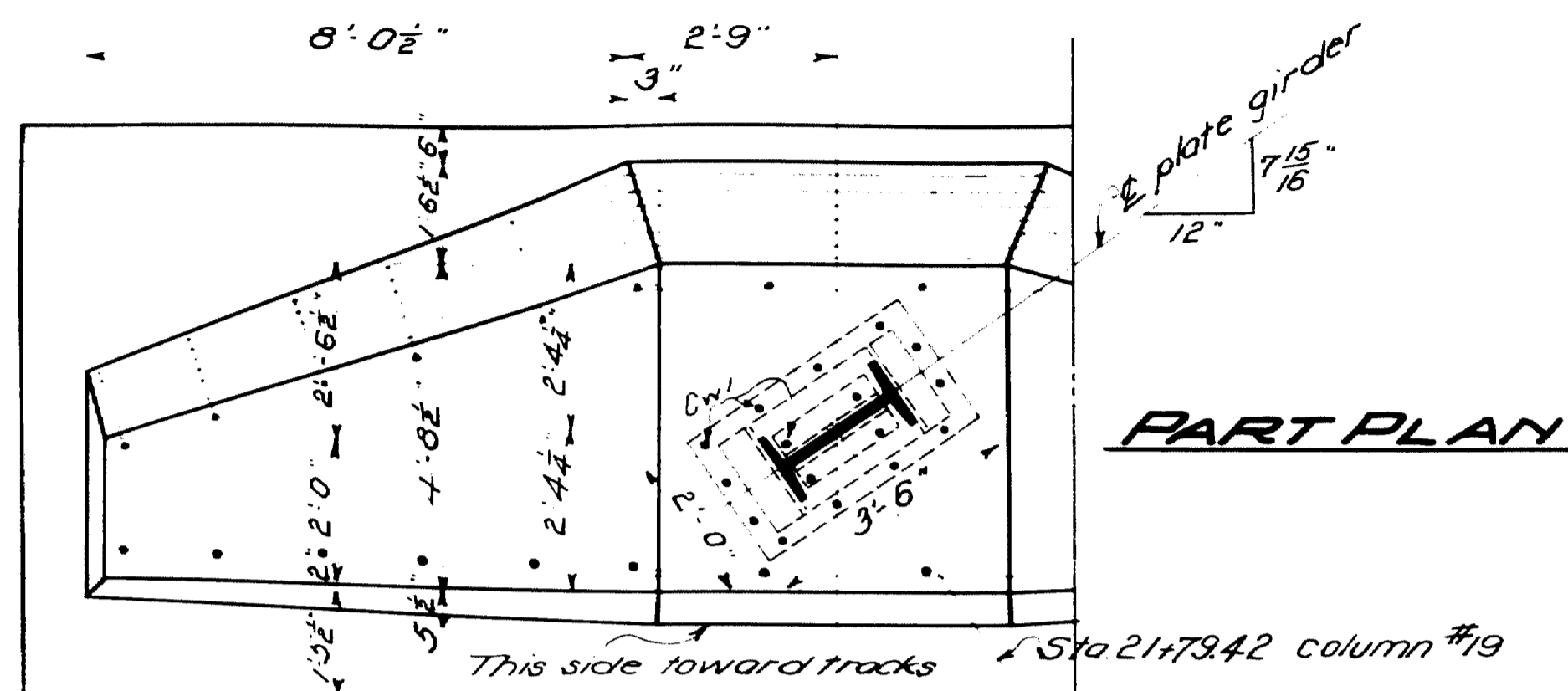
Pile lengths shown are for estimate only. Exact lengths to be determined by test piles to be driven by contractor, before piles are ordered.
 Load per pile 15 tons.

Detail by Mr. [Name]

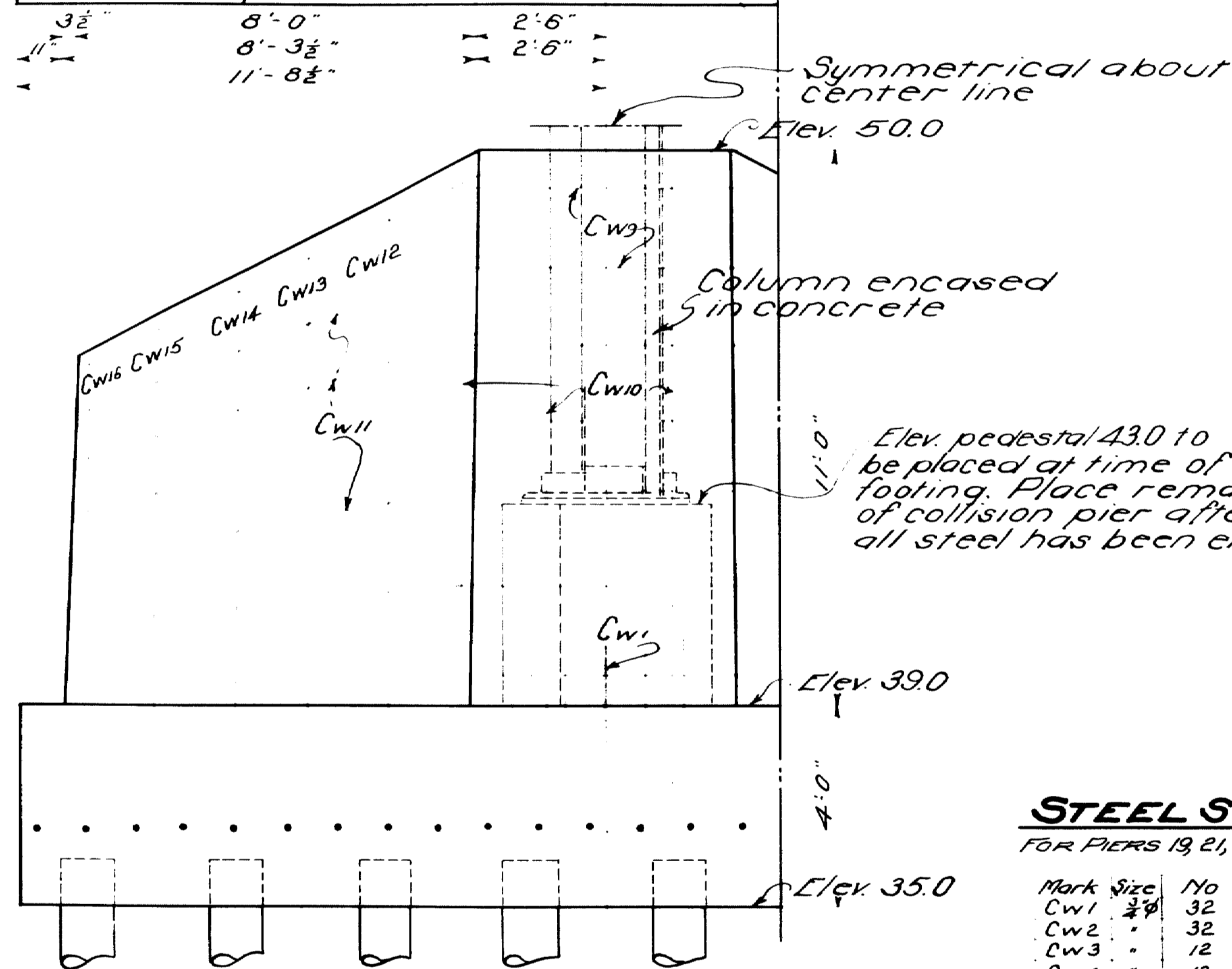
Town 0307
 Bridge 2702

MAINE HIGHWAY COMMISSION
 BRIDGE DIVISION
FALMOUTH RAILROAD CROSSING
 Over The Tracks of
MAINE CENTRAL RAILROAD
 And The
PRESUMPSCOT RIVER
 in the town of
FALMOUTH
CUMBERLAND COUNTY, ME
 VIADUCT PIERS
 Sheet 5 of 31 August 10, 1932



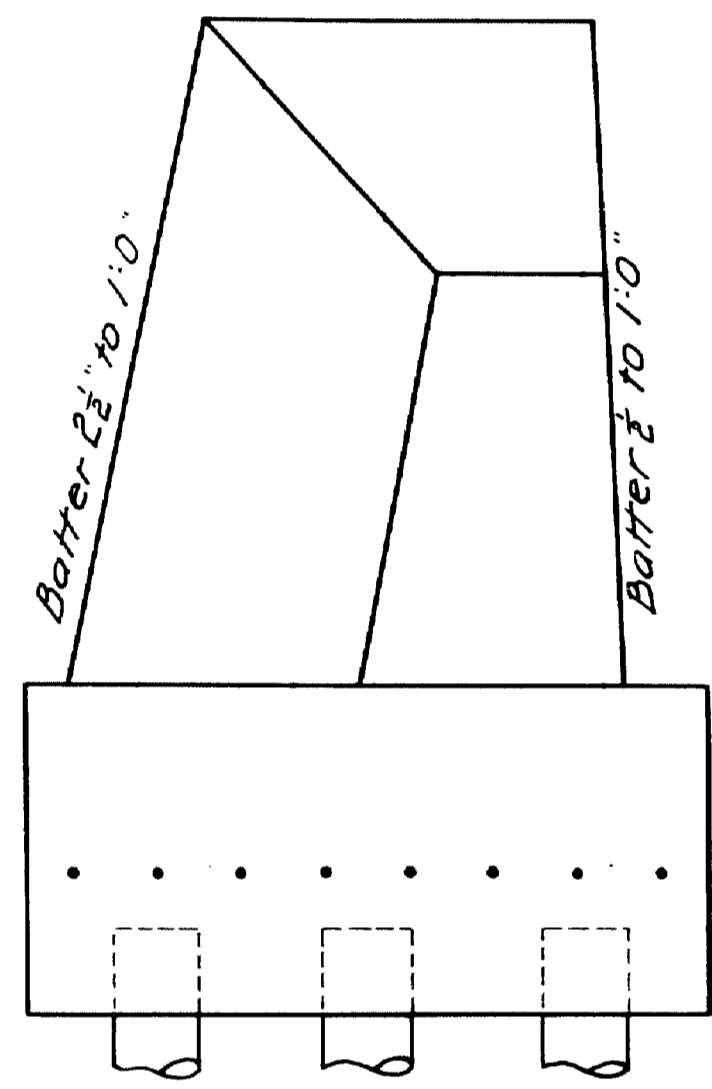


PART PLAN



**COLLISION WALL PIER NO. 19.
HALF FRONT ELEV.**

Footing same as for pier No. 24.



**END ELEVATION
PIER 24**

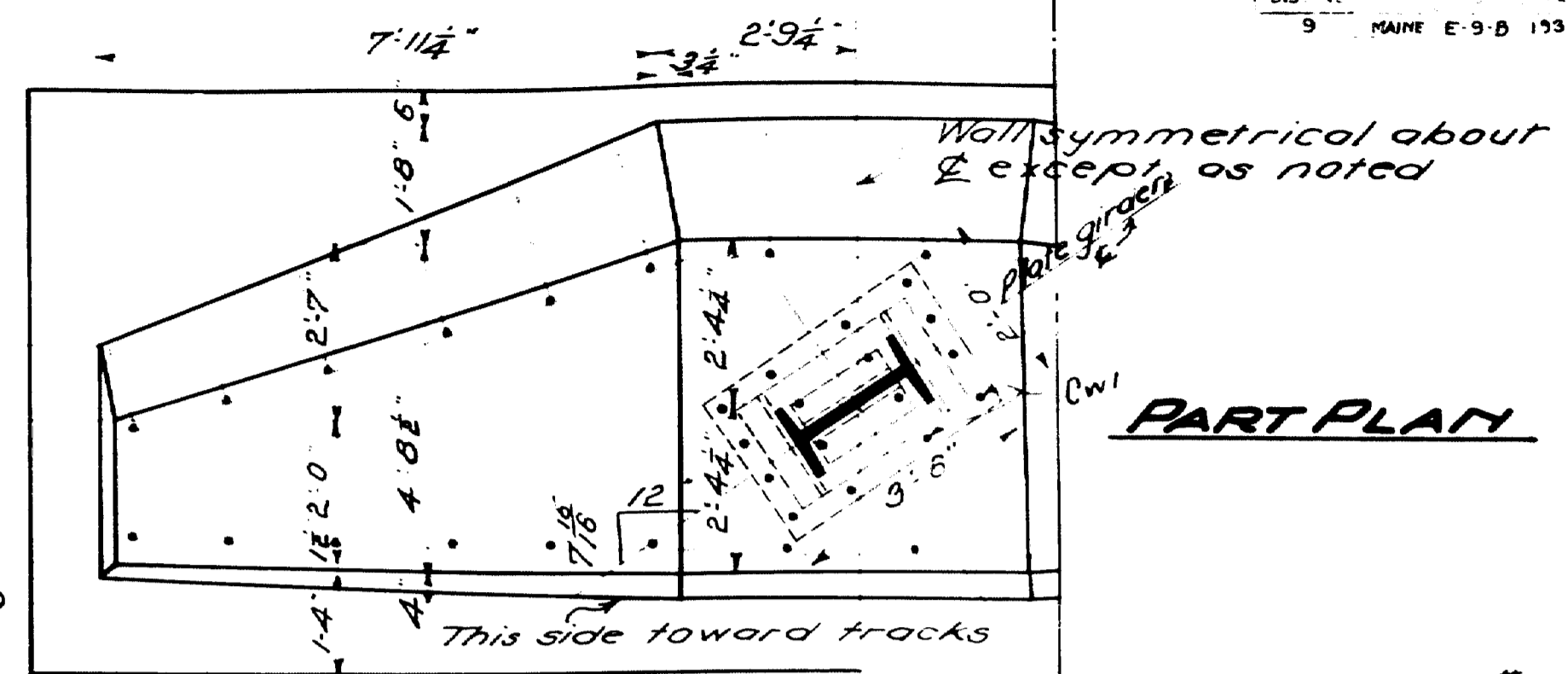
Note- All exposed surfaces of concrete to be chamfered 2" unless otherwise indicated.

STEEL SCHEDULE

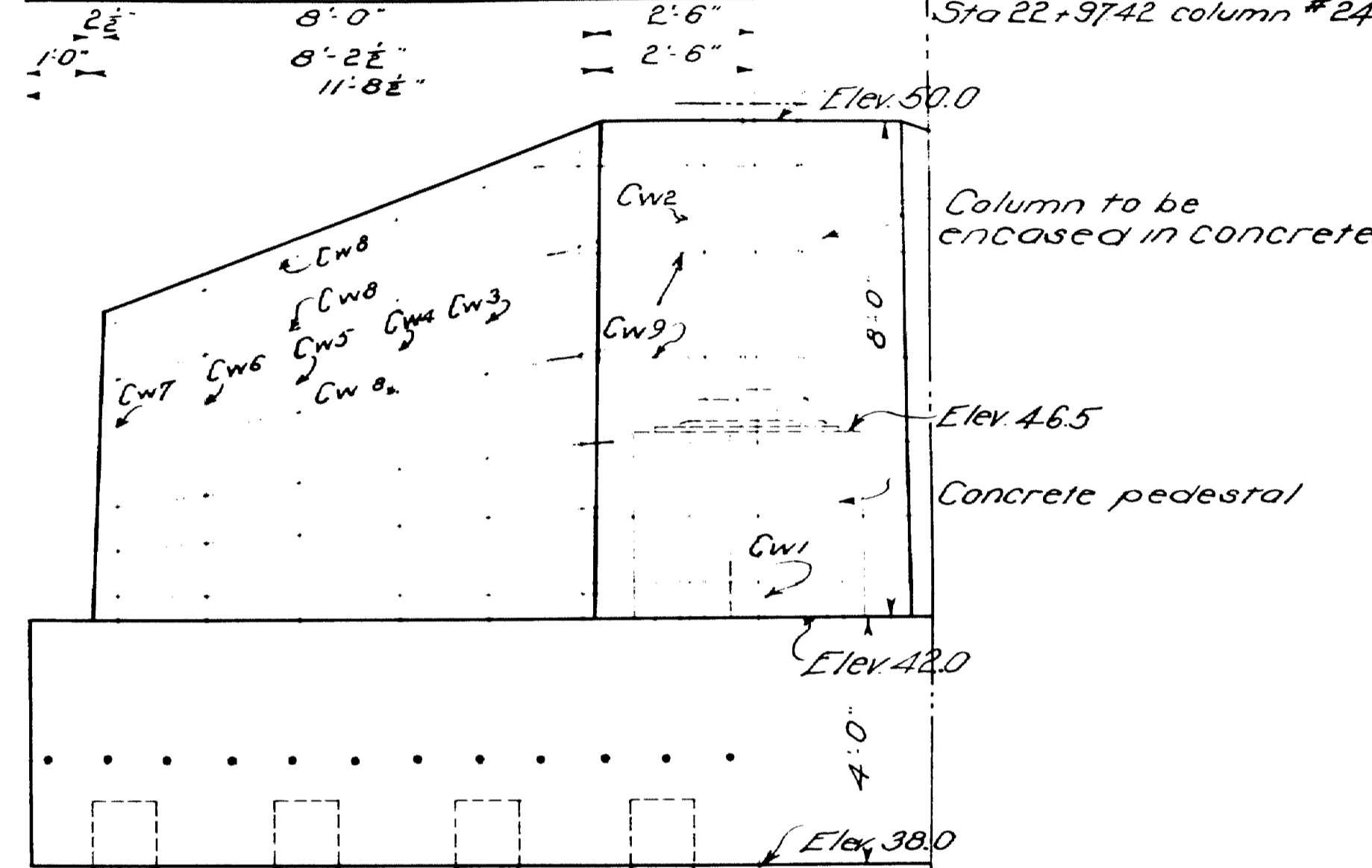
FOR PIERS 19, 21, 22, & 24

Mark	Size	No	Length
Cw1	32	32	2'-0"
Cw2	"	32	10'-0"
Cw3	12	12	9'-6"
Cw4	12	12	9'-0"
Cw5	12	12	8'-6"
Cw6	12	12	8'-0"
Cw7	12	12	7'-0"
Cw8	72	12	10'-0"
Cw9	50	12	7'-0"
Cw10	8	8	12'-6"
Cw11	28	4	10'-0"
Cw12	"	4	12'-0"
Cw13	"	4	11'-0"
Cw14	"	4	10'-6"
Cw15	"	4	9'-6"
Cw16	"	4	9'-0"
Cw17	96	4	8'-0"
Cw18	32	20	23'-0"
Cw19	"	20	5'-0"

All steel to be plain round bars of structural grade 2" cover for all steel unless noted. For additional steel see sheet 31.

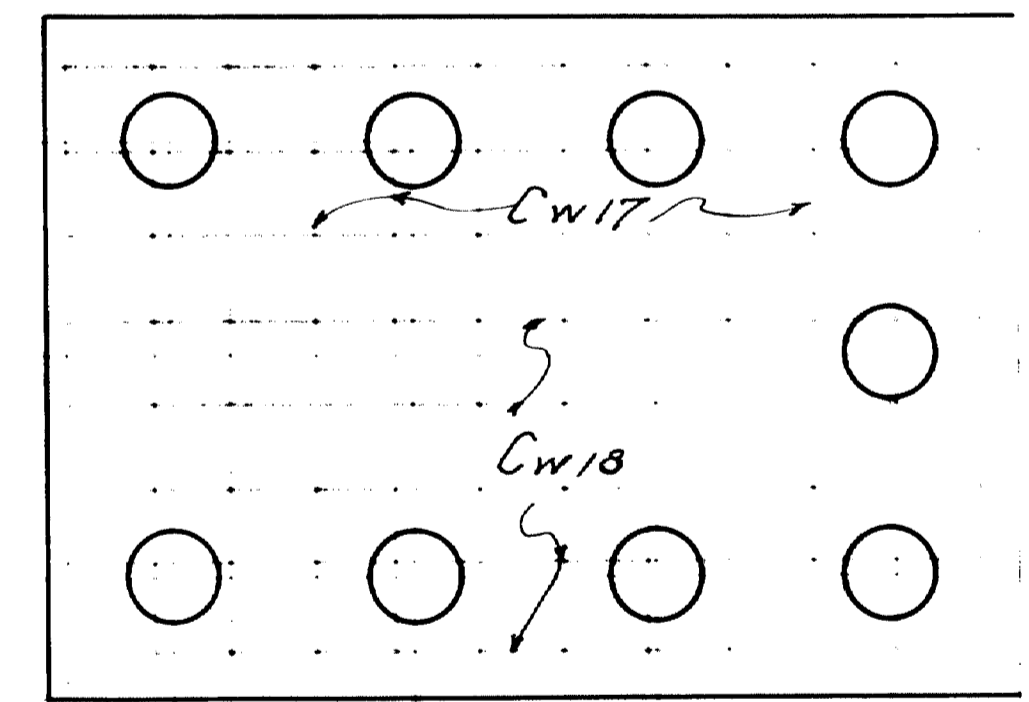


PART PLAN



HALF FRONT ELEV.

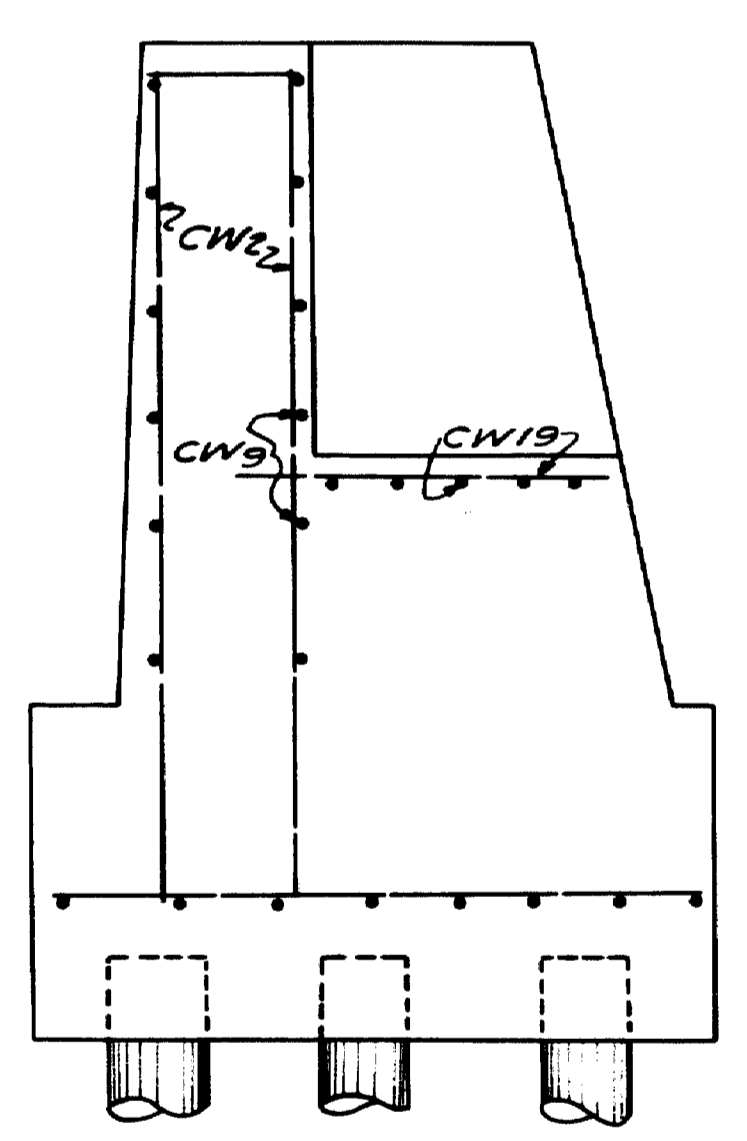
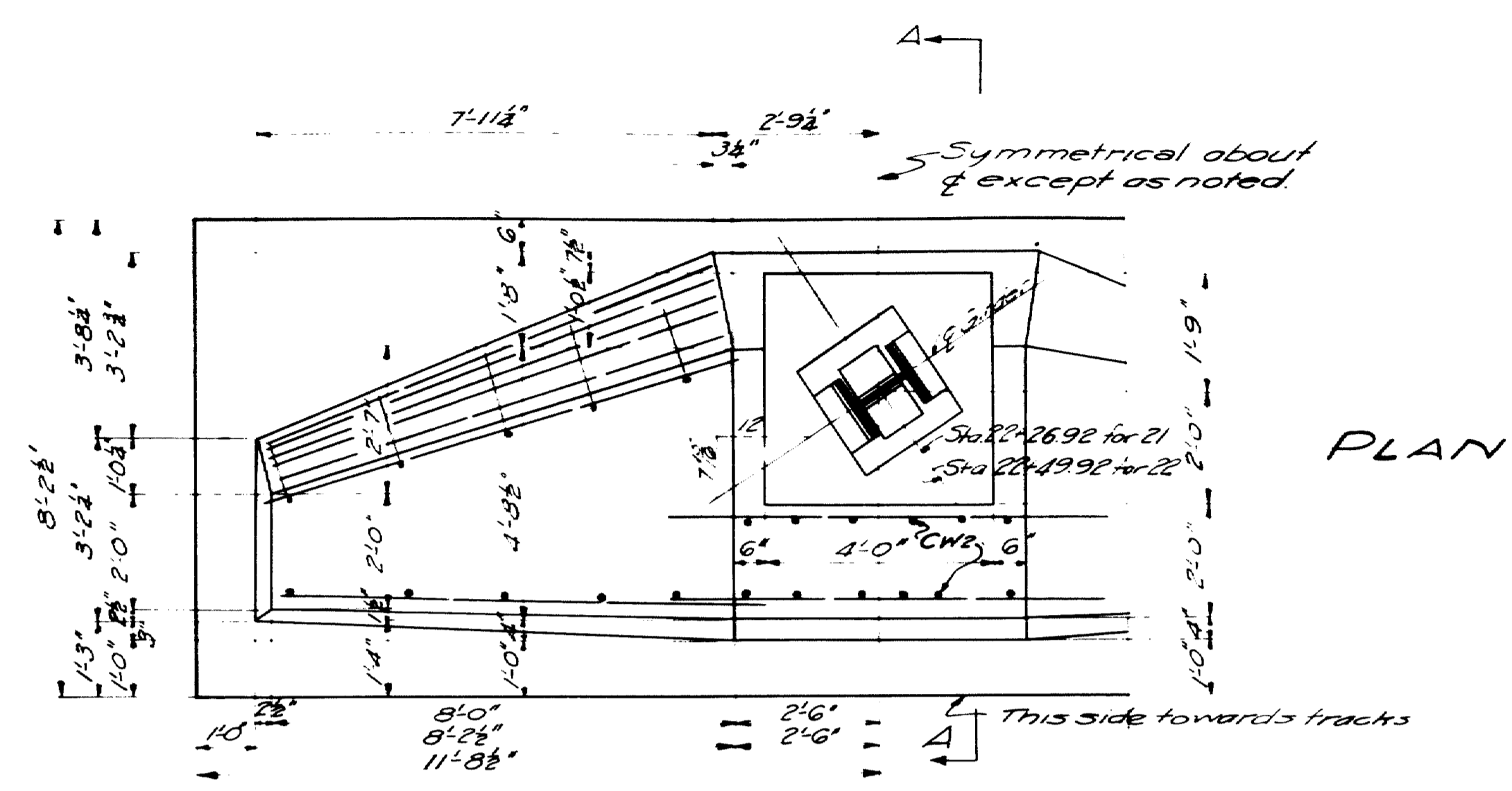
Note- Concrete footing to be placed before erection of steel. Build up concrete pedestal above footing. After all steel is riveted in place, build remainder of wall, encasing both pedestal and column in elevation shown.



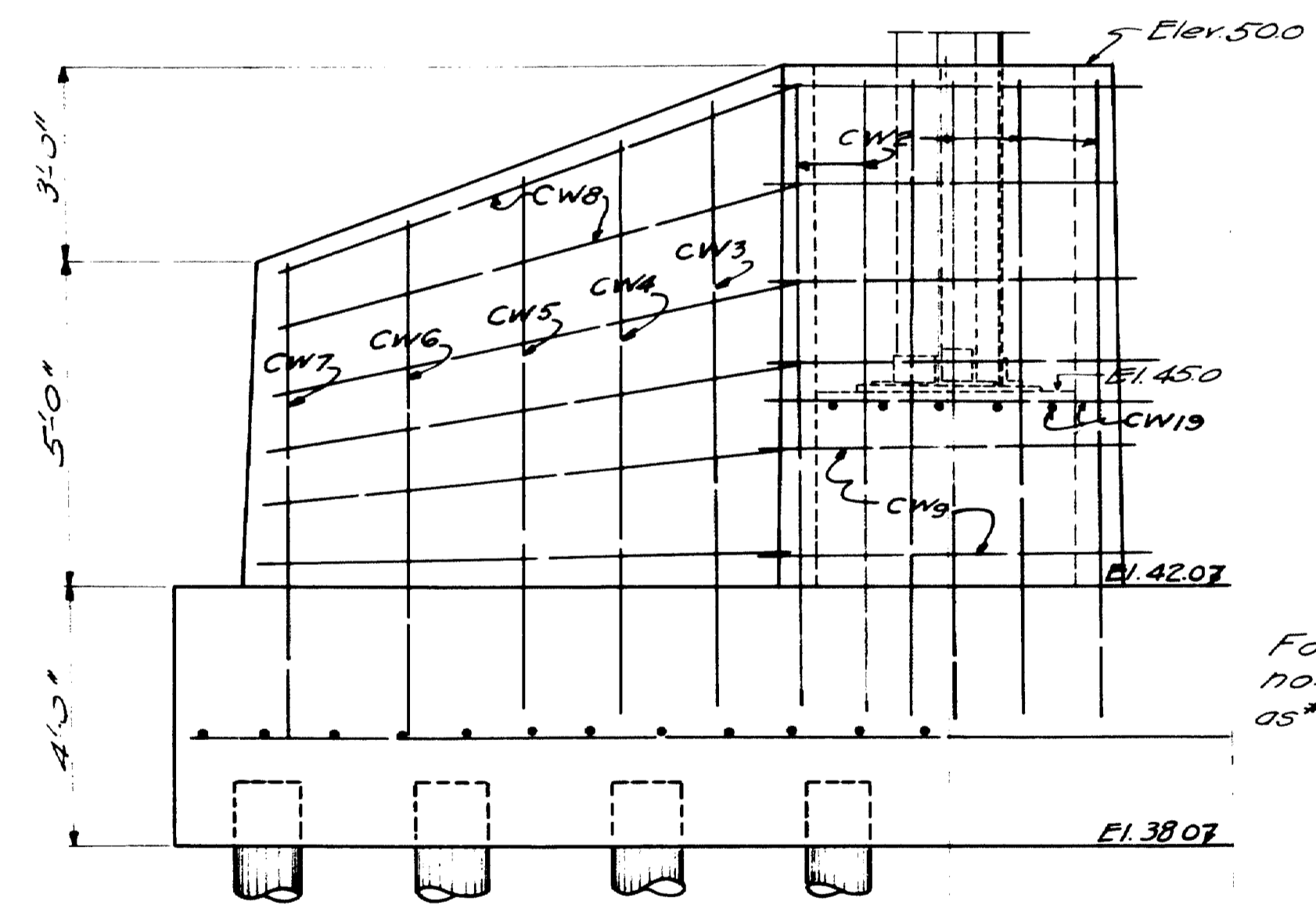
**HALF PLAN PILING
15 TON PILING 18 PER PIER REG.
DETAIL OF COLLISION WALL PIER
No. 24.**

TOWN 03-07
BRIDGE 2102

MAINE HIGHWAY COMMISSION
BRIDGE DIVISION
**FALMOUTH RAILROAD
CROSSING**
OVER THE TRACKS OF
MAINE CENTRAL R.R.
AND THE
PRESUMPSCOT RIVER
IN THE TOWN OF
**FALMOUTH
CUMBERLAND COUNTY**
COLLISION WALL
Sheet 5a of 31 Augusta, Me. 1932



SECTION A-A
COLLISION WALL PIER DETAILS
NO'S 21 & 22

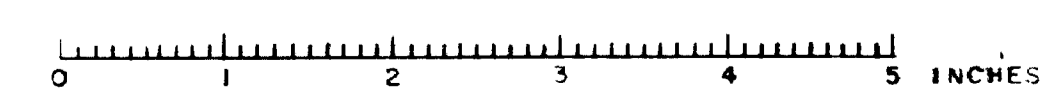


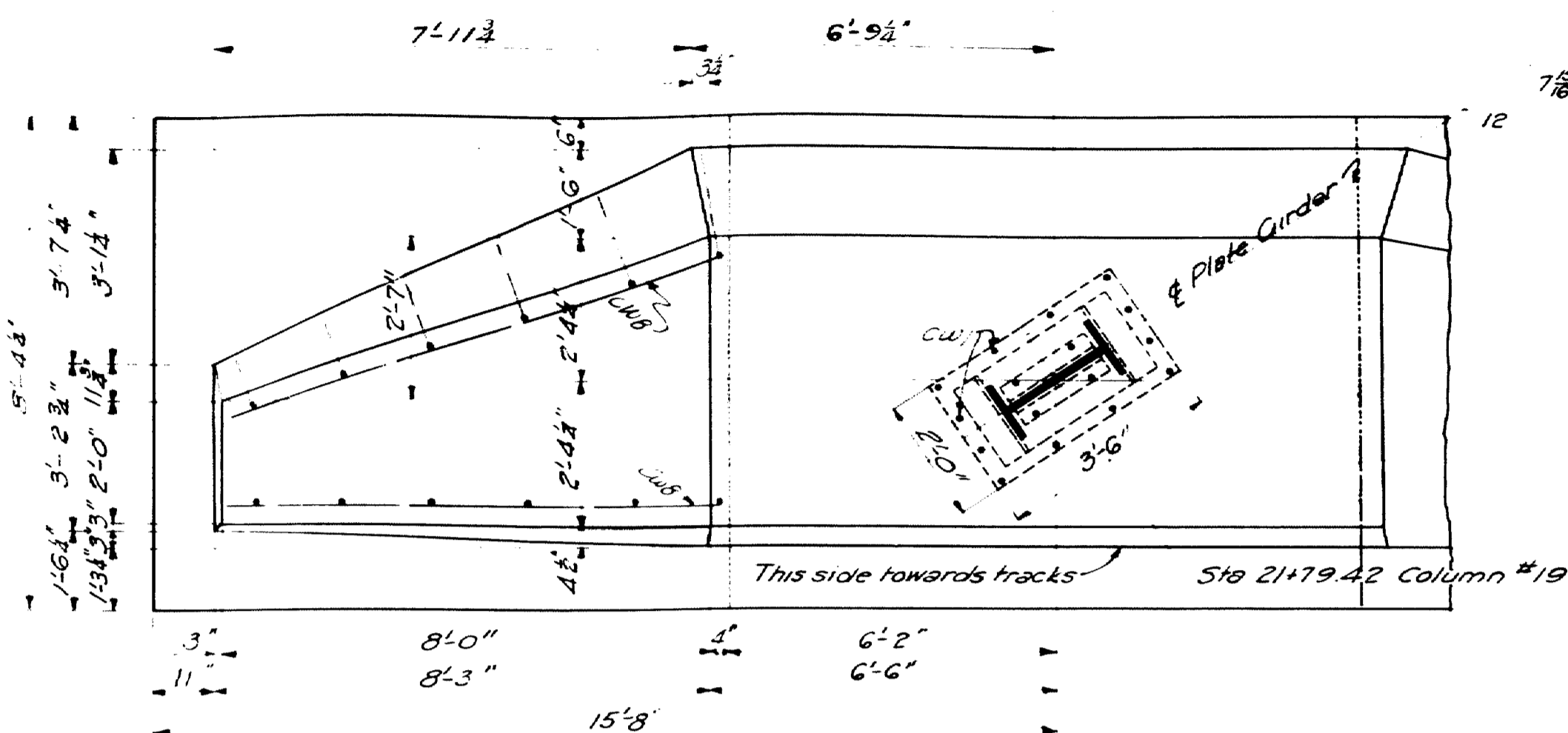
HALF FRONT ELEV.

For footing detail see sheet no. 5A. Footing and piling same as #19 and 24.

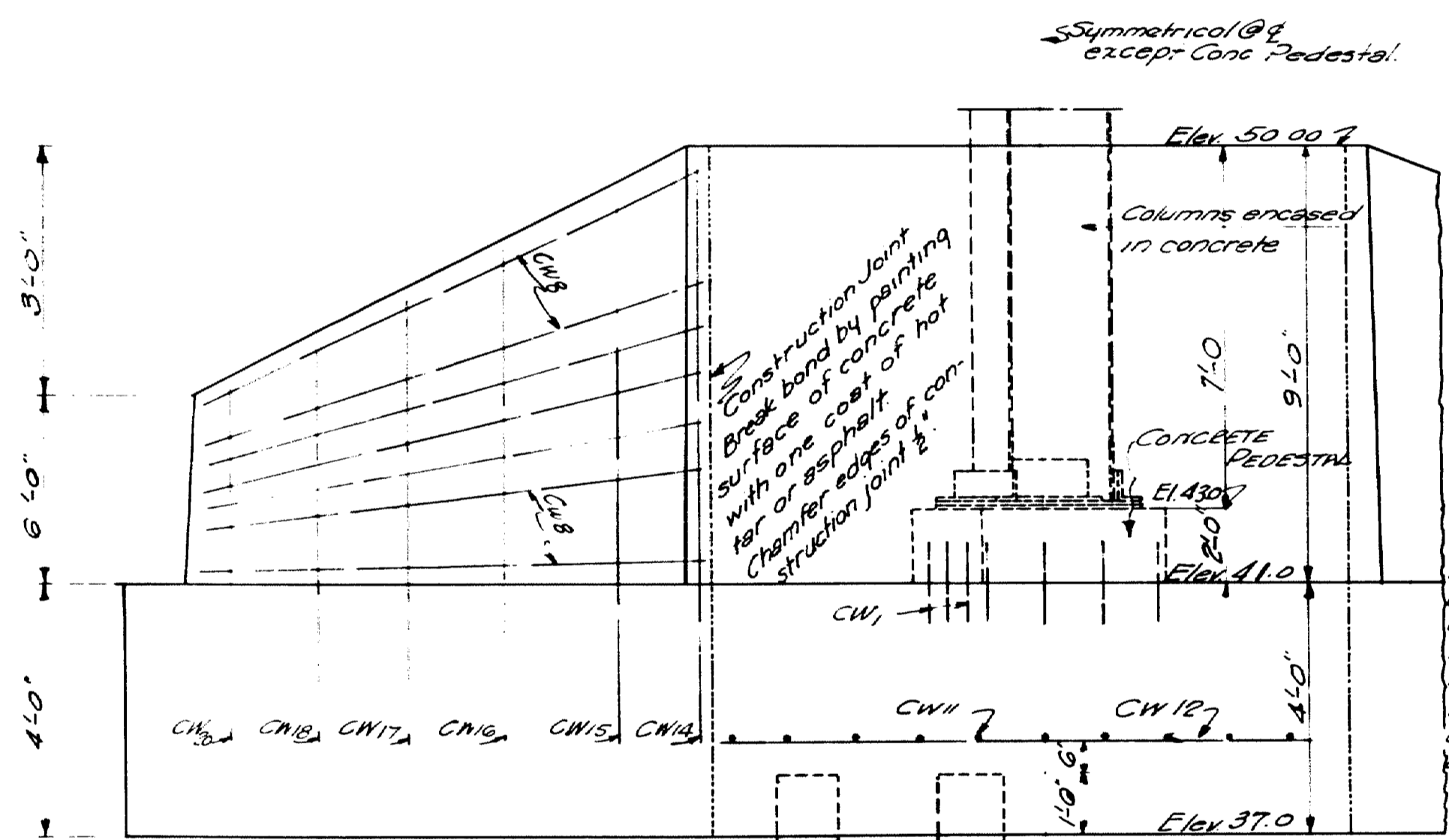
Town 03-07
Bridge 2702

Maine Highway Commission
Bridge Division
**FALMOUTH RAILROAD
CROSSING**
OVER THE TRACKS OF
MAINE CENTRAL R. R.
AND THE
PRESUMPSCOT RIVER
IN THE TOWN OF
**FALMOUTH
CUMBERLAND COUNTY**
COLLISION WALL DETAILS
Sheet 5B of 31 August, Me. 1932.



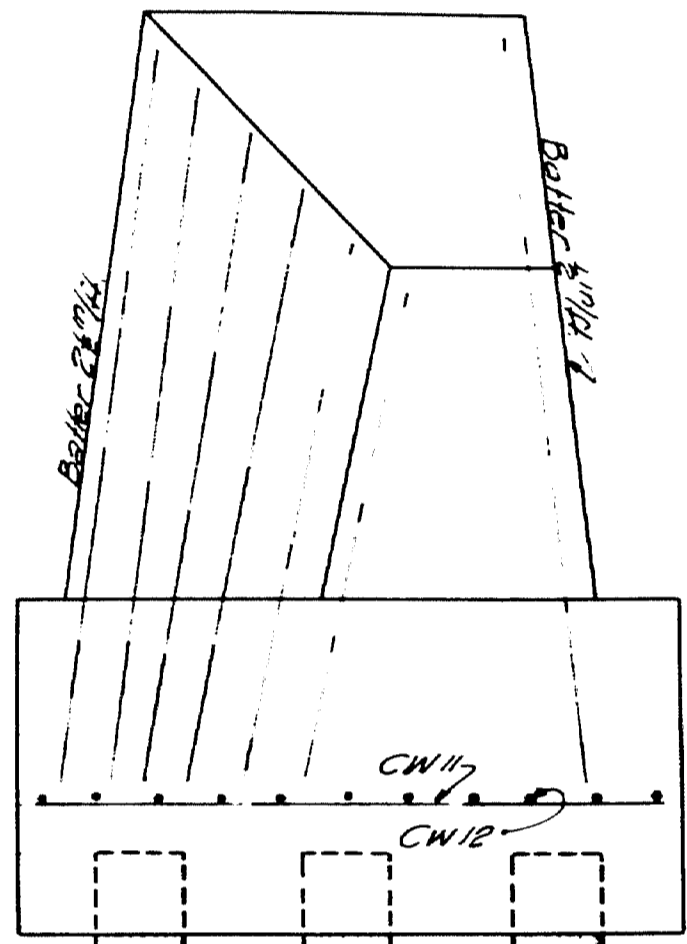


PART PLAN



COLLISION WALL PIER NO 19
HALF FRONT ELEV.
Footings for Piers #19 & #24 are alike

Note: All exposed edges of concrete to be chamfered 2" unless otherwise indicated



END ELEVATION
PIER #24

Concrete footing to be placed before erection of steel. Build up concrete pedestal above footing. After all steel is riveted in place, build up remainder of wall, encasing both pedestal and column to Elev. shown.

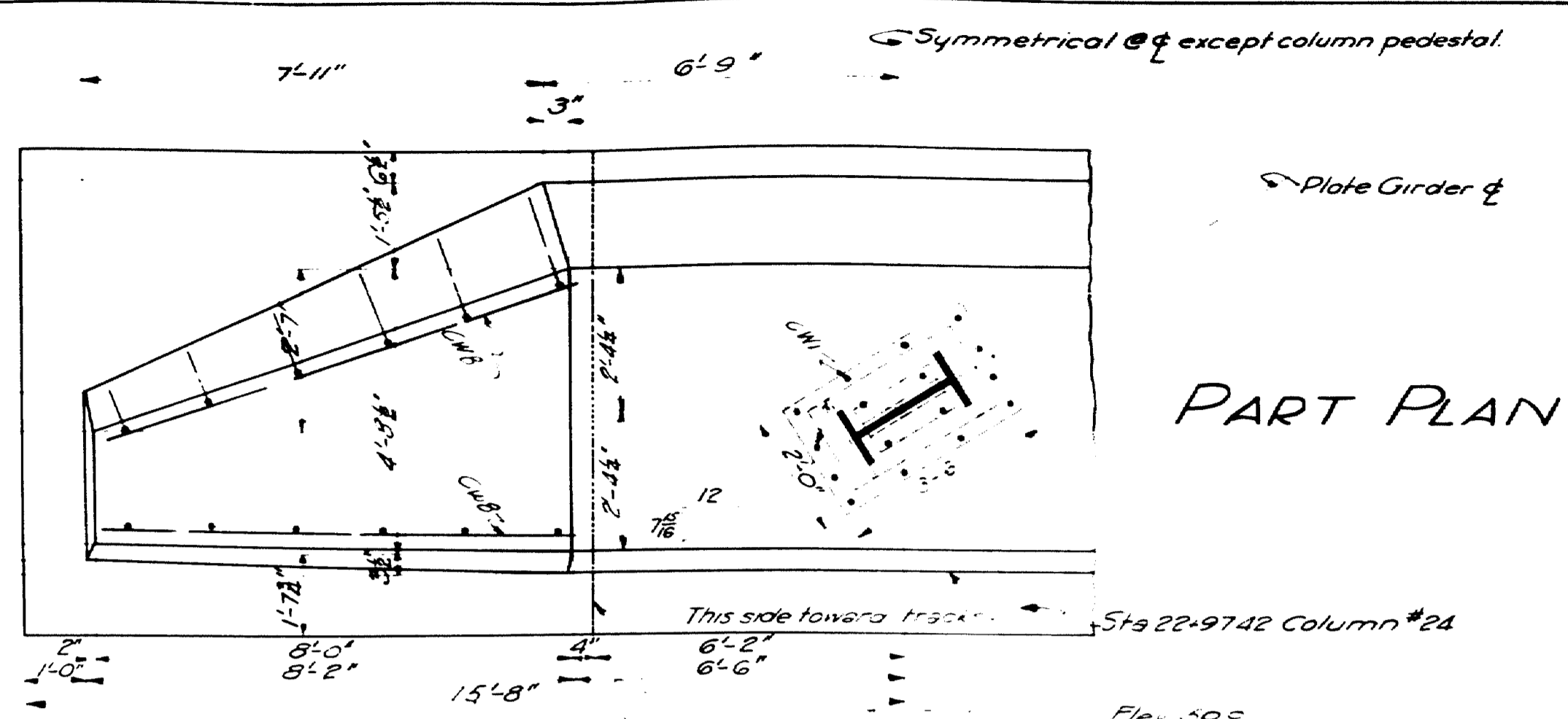
STEEL FOR THIS SCHEDULE TO BE TAKEN FROM STEEL ALREADY ORDERED FROM SHEET 5A.

STEEL SCHEDULE

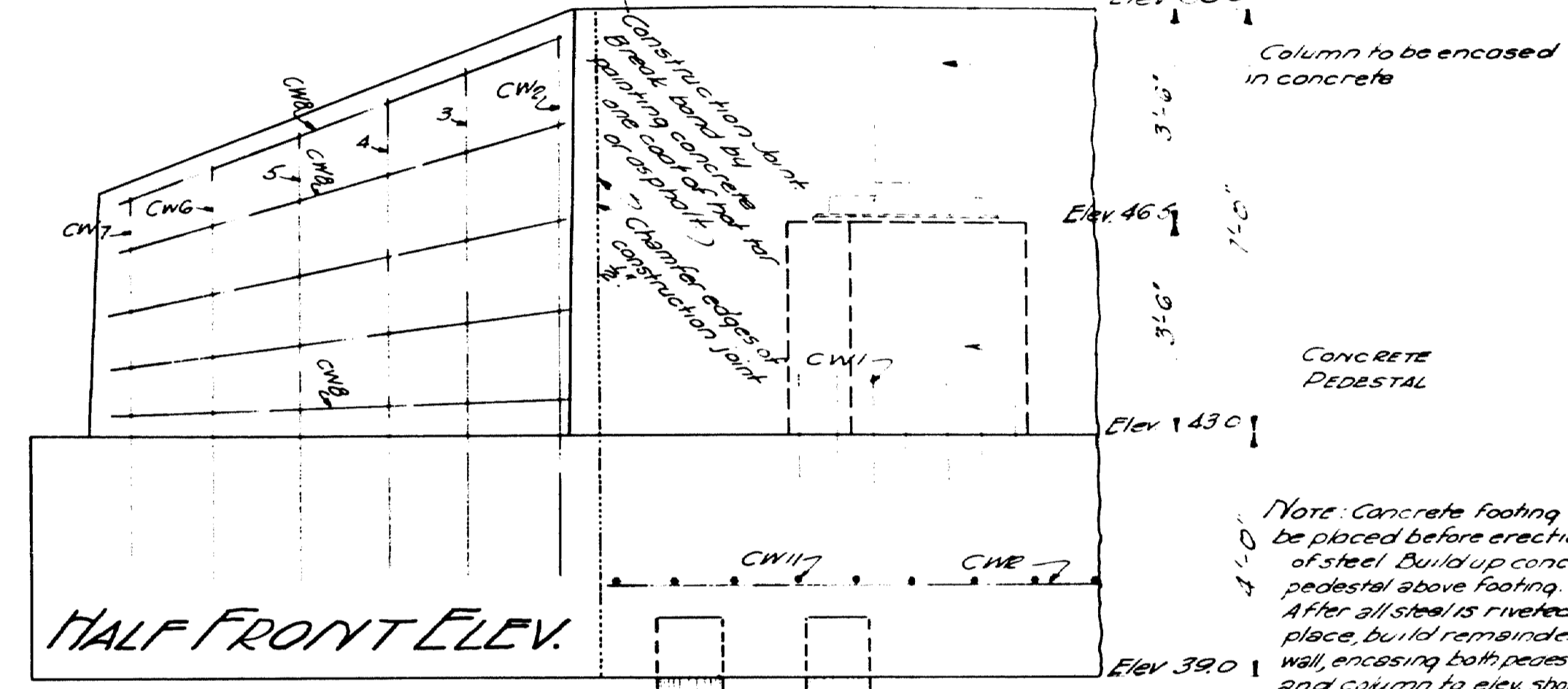
Mark	Size	No	Length	Remarks
CW1	3/4" x 9"	32	2'-0"	32 of original CW1
CW2	"	36	9'-0"	36 "
CW3	"	12	8'-6"	12 "
CW4	"	12	8'-0"	12 "
CW5	"	12	7'-6"	12 "
CW6	"	12	7'-0"	12 "
CW7	"	12	6'-6"	12 "
CW8	"	38	8'-0"	38 "
CW9	"	22	8'-6"	22 "
CW10	"	26	10'-0"	26 "
CW11	"	26	8'-0"	26 "
CW12	"	32	12'-0"	32 "
CW13	"	20	7'-0"	20 "
CW14	"	4	11'-0"	4 "
CW15	"	4	10'-6"	4 "
CW16	"	4	10'-0"	4 "

All steel to be plain round bars of structural grade. 2" cover for steel except as indicated.

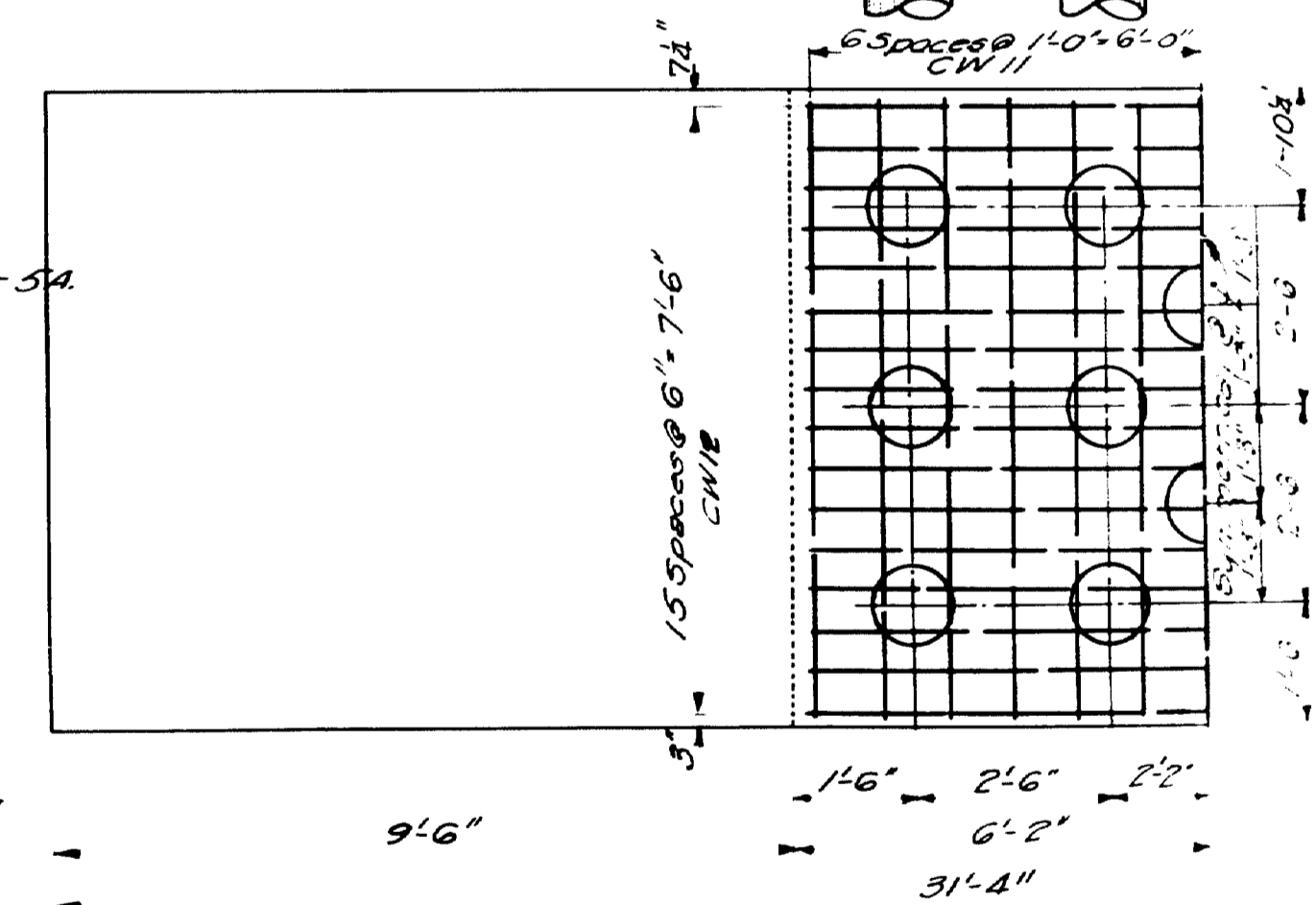
CW17	3/4" x 4"	4	9'-6"	4 "	CW18
CW18	"	4	9'-0"	4 "	CW19
CW20	"	4	8'-6"	4 "	CW21



PART PLAN



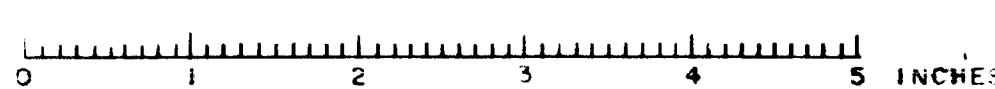
HALF FRONT ELEV.

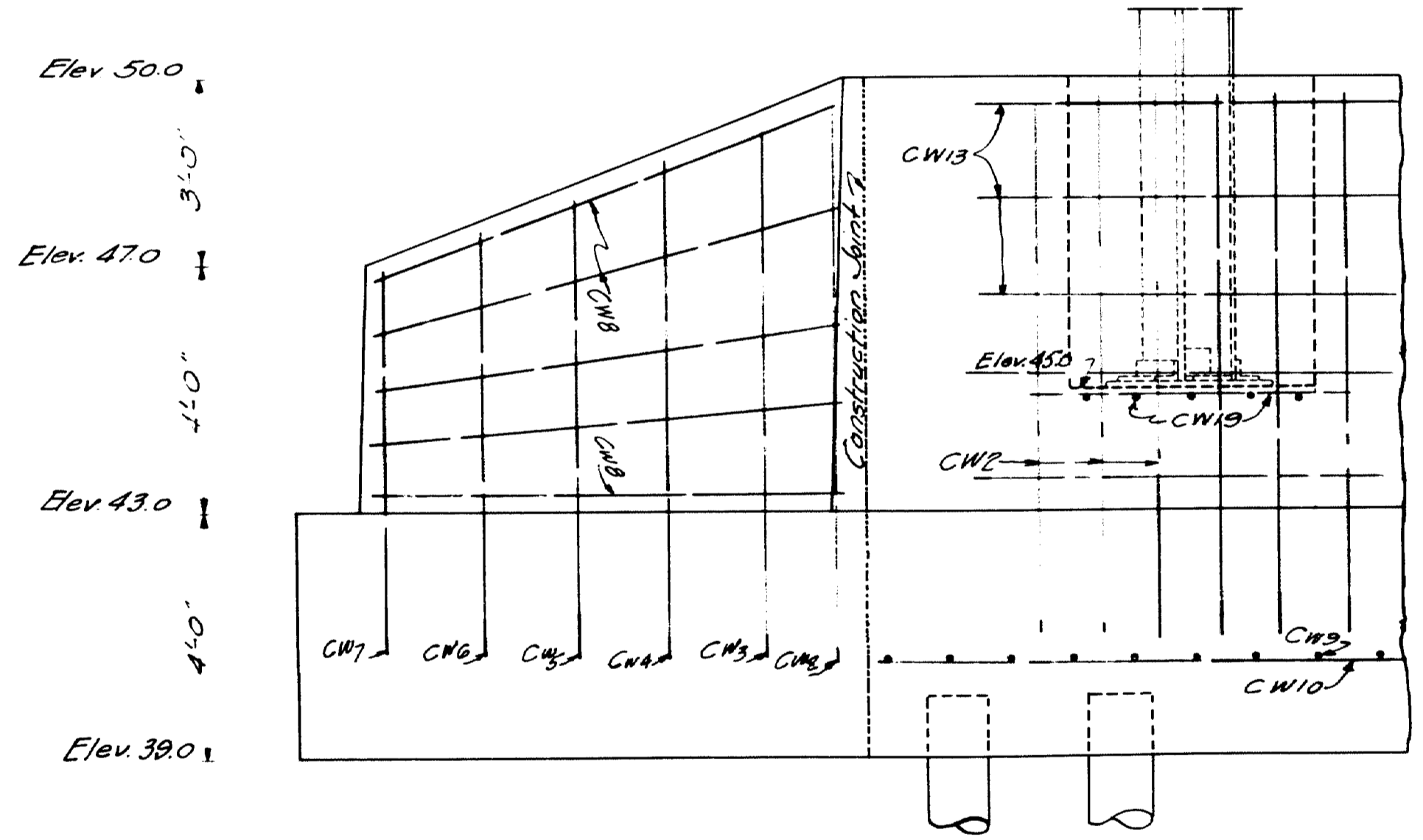
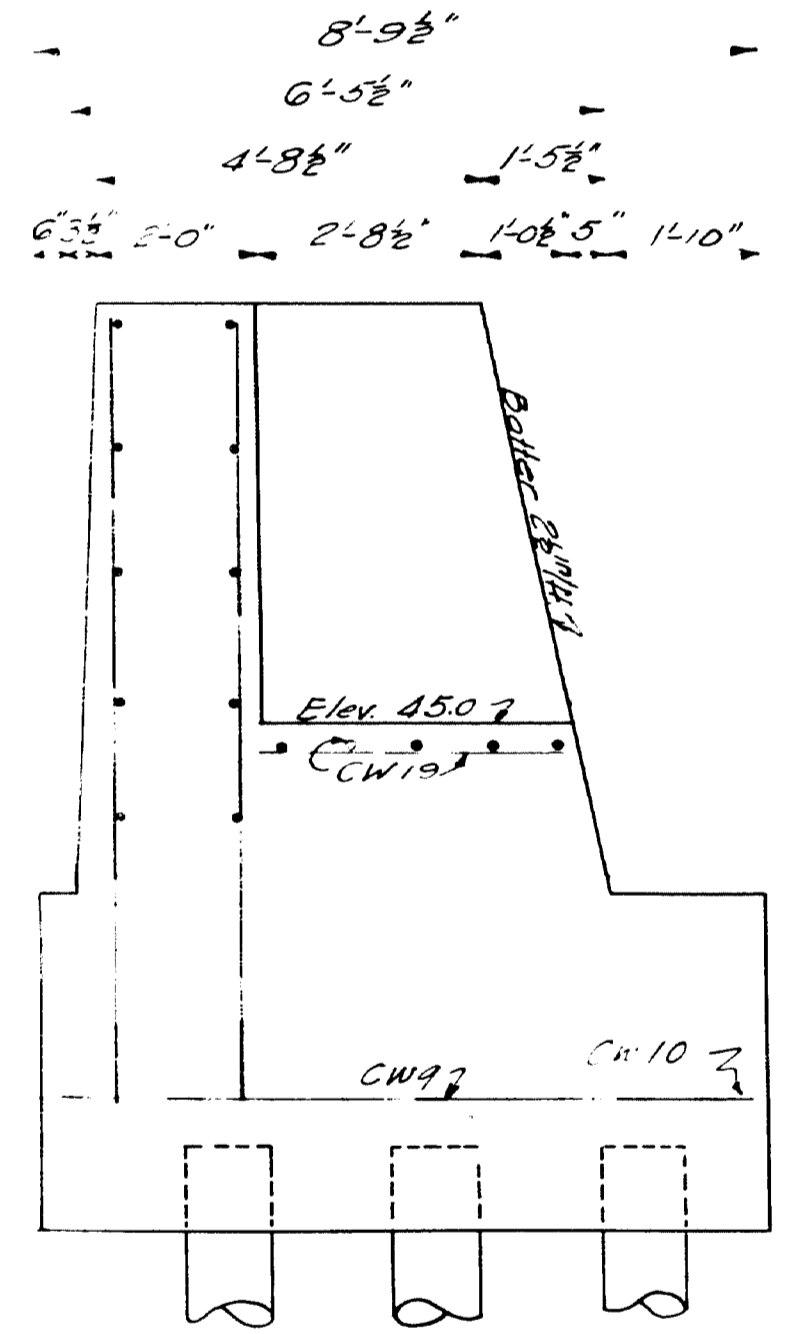
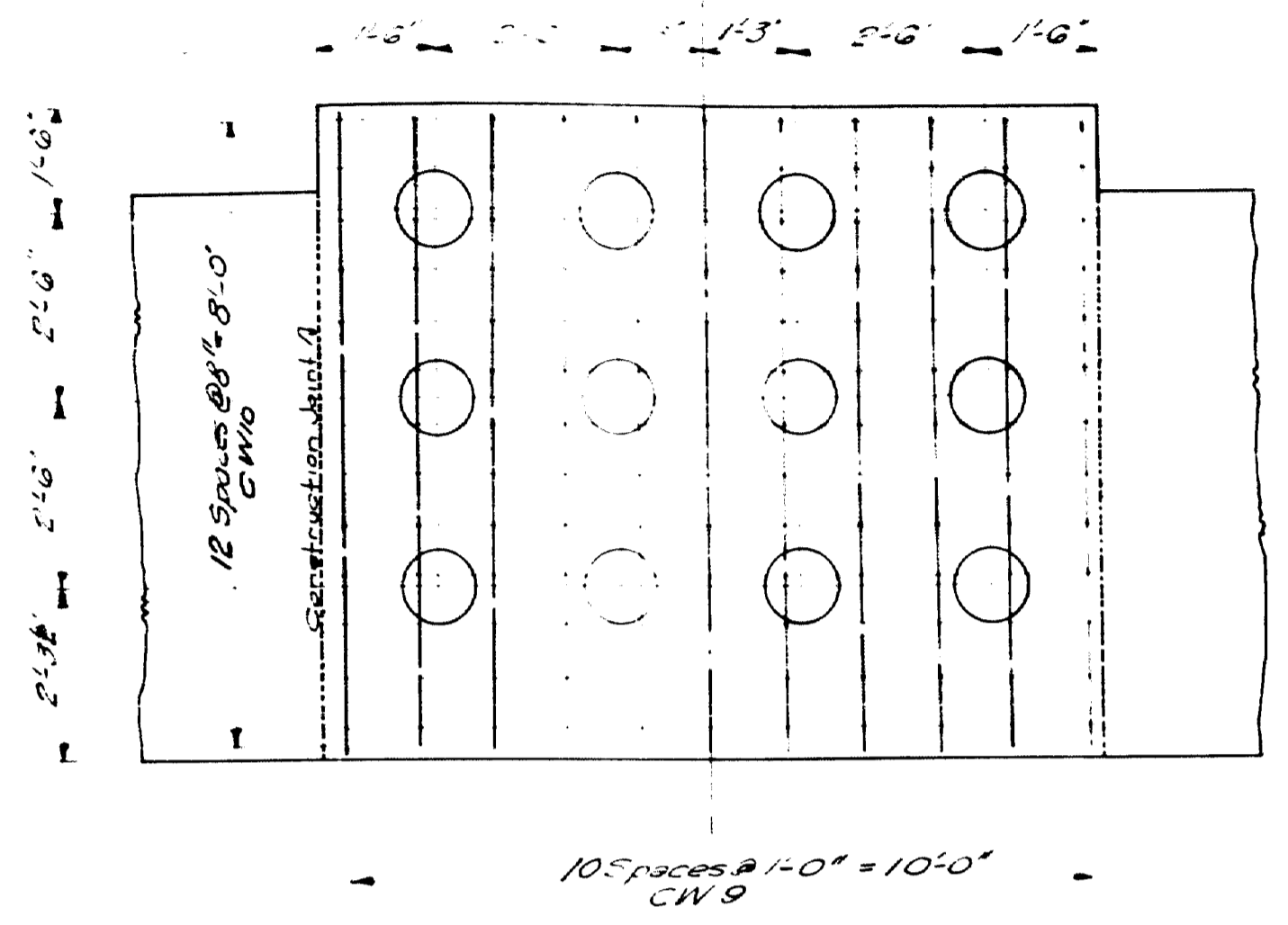
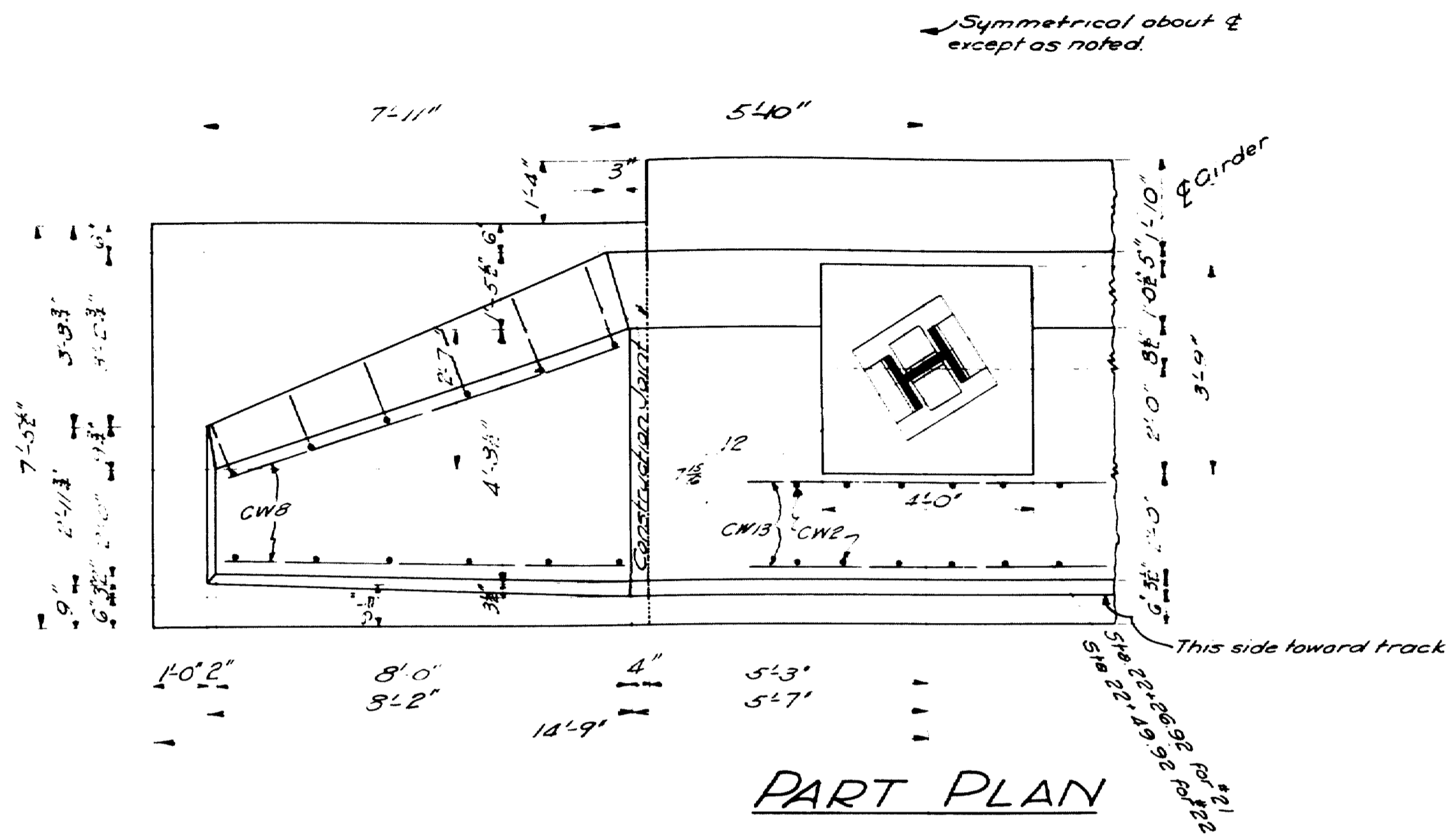


DETAIL COLLISION WALL PIER #24

HALF PLAN PILING
15 TON PILING
14 PER PIER REQ'D

MAINE Highway Commission
Bridge Division
FALMOUTH RAILROAD
CROSSING
Over the Tracks of
MAINE CENTRAL R.R.
And the
PRESUMPOOT RIVER
in the town of
FALMOUTH
CUMBERLAND COUNTY
COLLISION WALLS #19 AND #24
AUGUSTA, MAINE
Sheet 5C (Revision of 5A) 1933



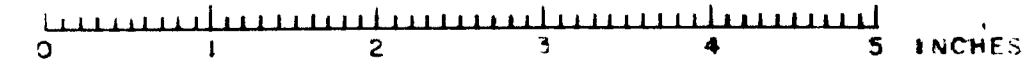


Note: Break band at construction joint by painting surface of concrete with one coat of hot tar or asphalt. Chamfer edges of construction joint $\frac{1}{2}$ "

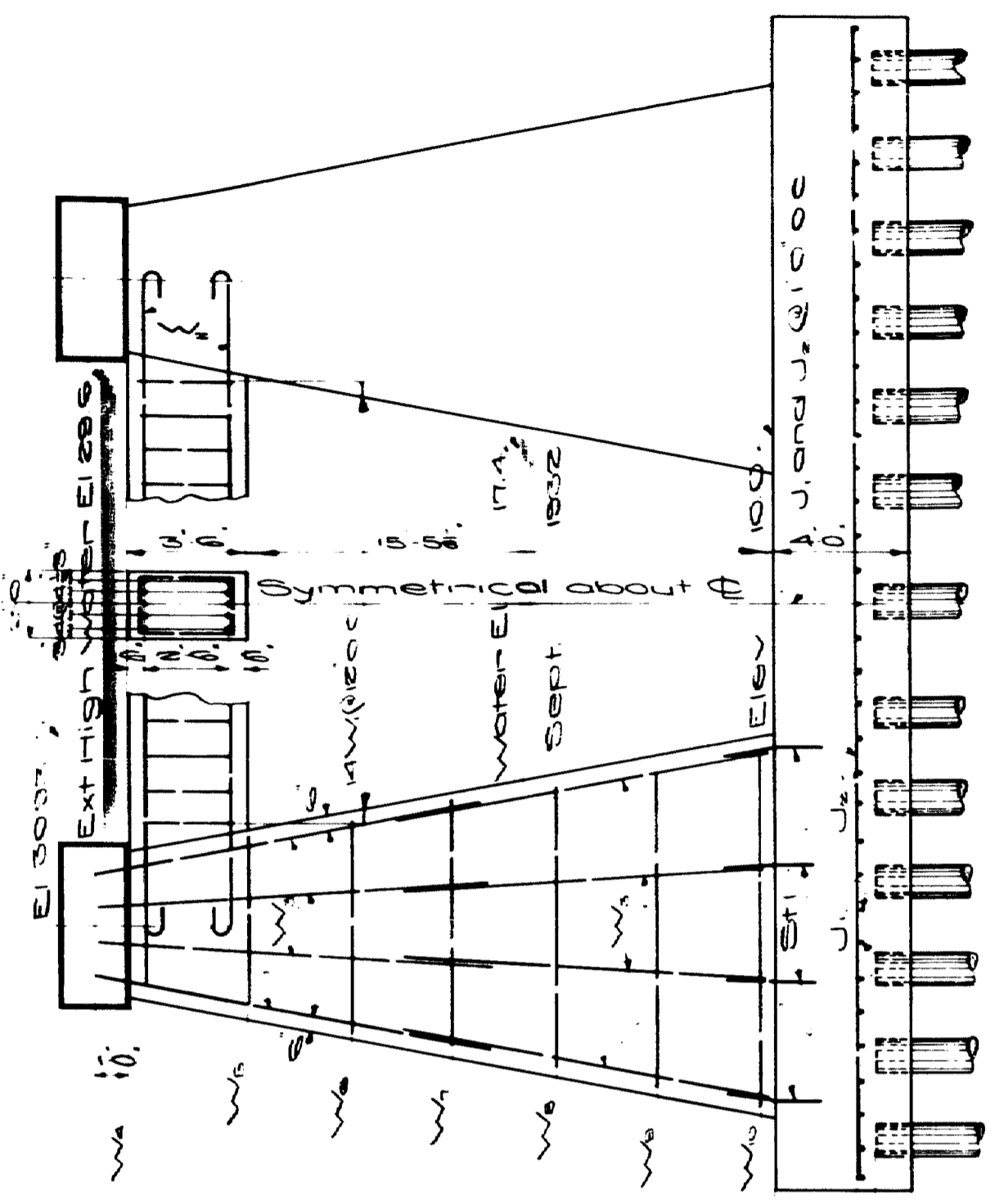
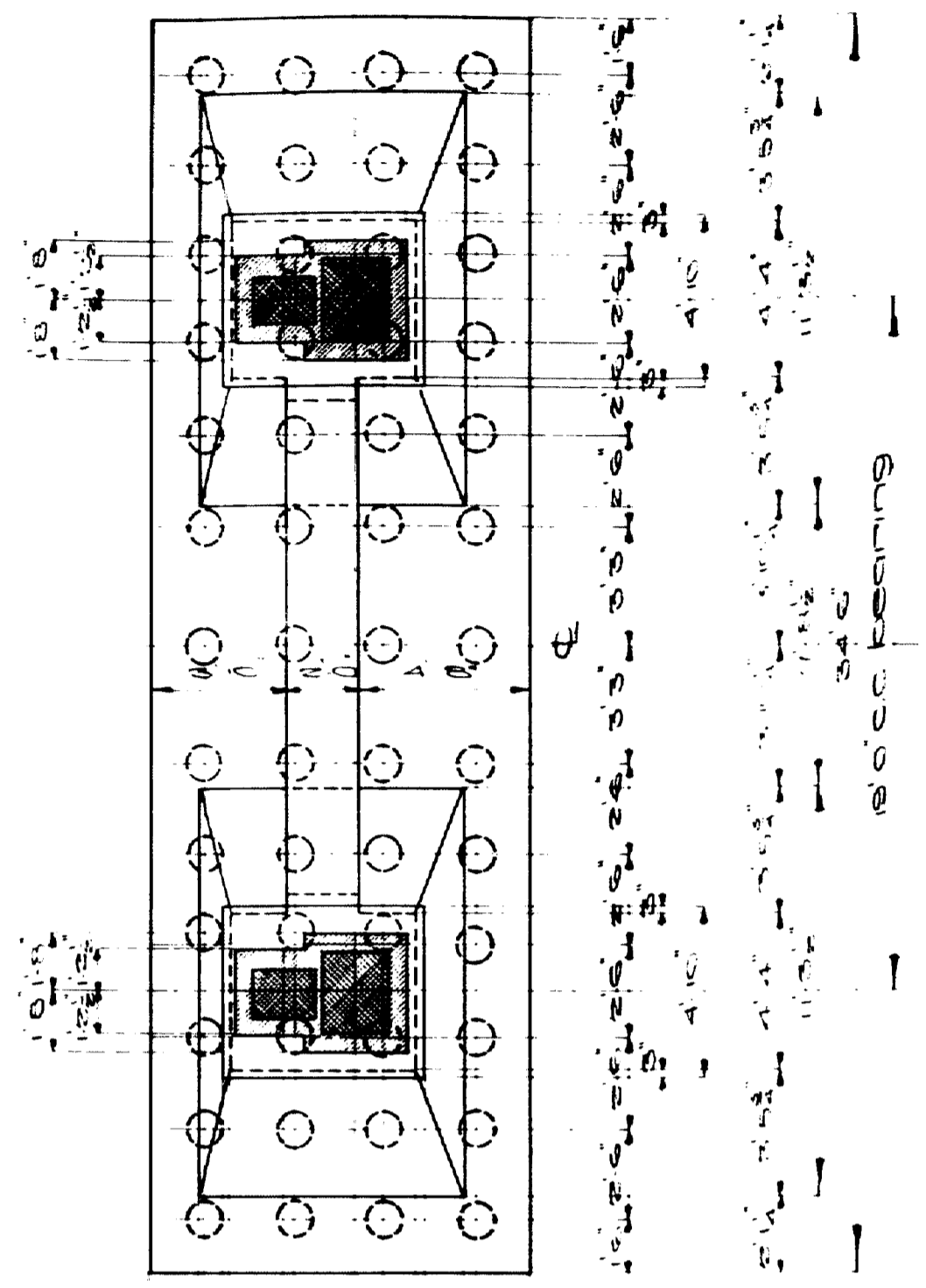
USE 15 TON PILING 12 REED. PER PIER

TOWN - 03-07
Bridge - 2702

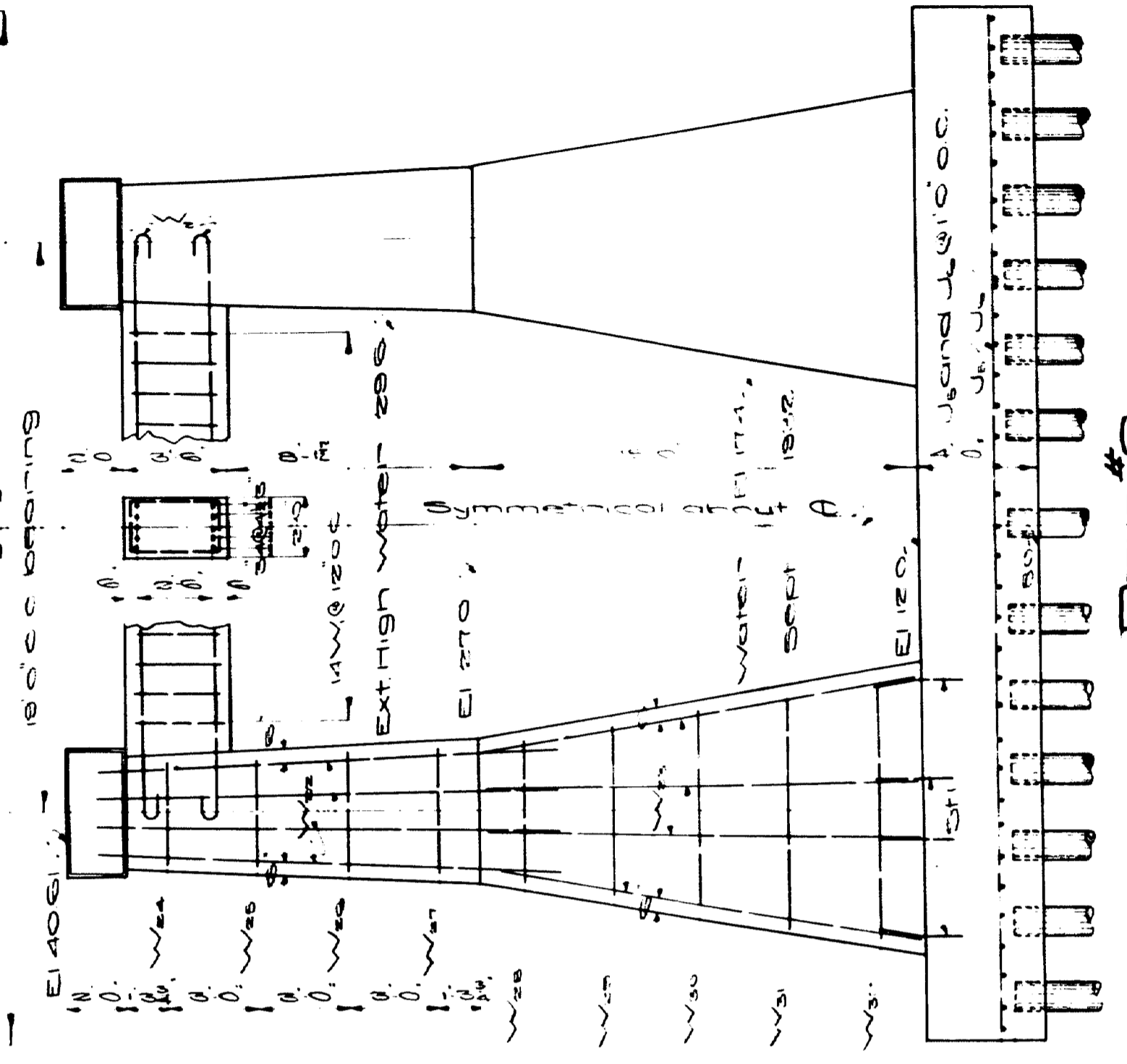
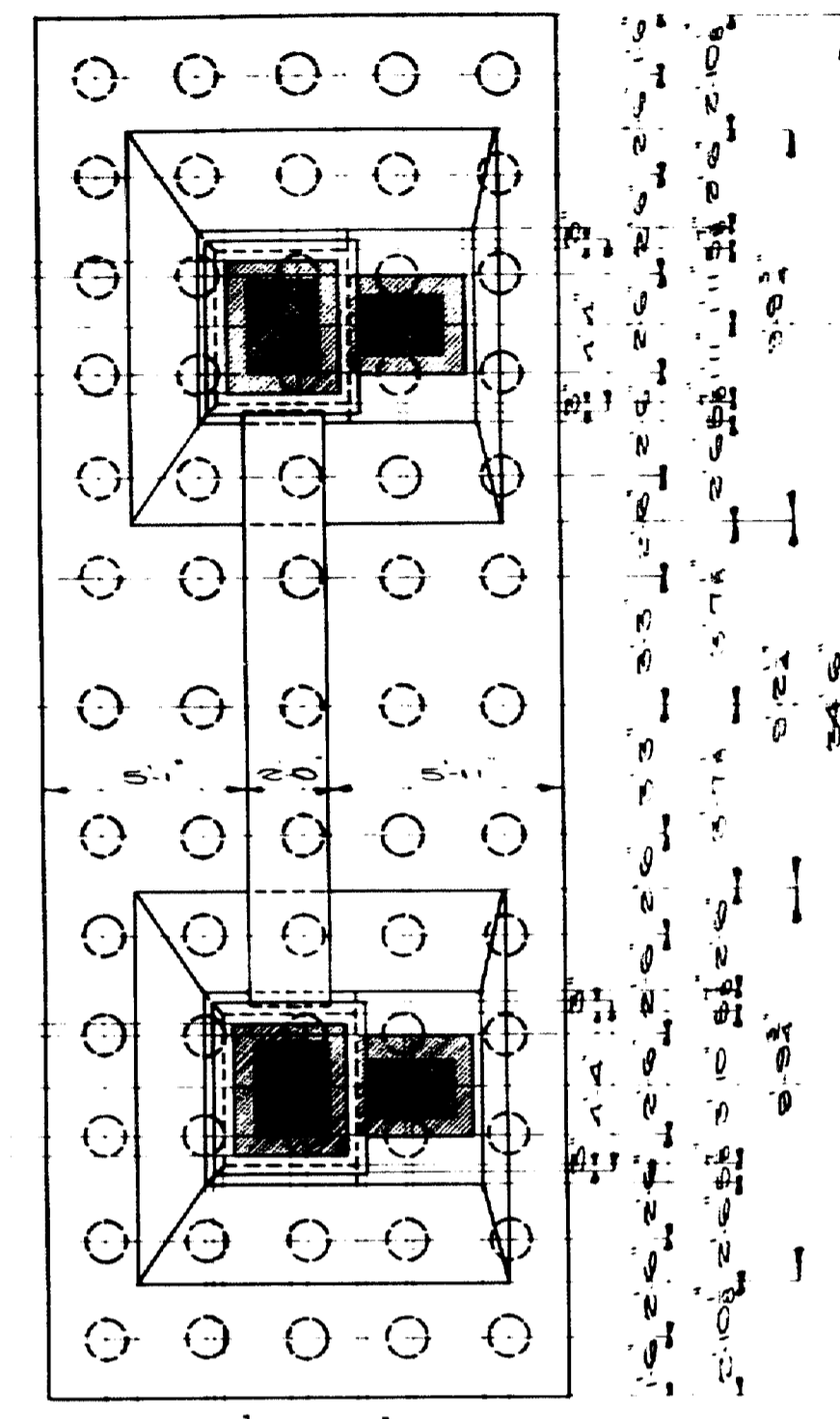
MAINE HIGHWAY COMMISSION
BRIDGE DIVISION
**FALMOUTH RAILROAD
CROSSING**
OVER THE TRACKS OF
MAINE CENTRAL R.R.
AND THE
PRESUMSCOT RIVER
IN THE TOWN OF
FALMOUTH
CUMBERLAND COUNTY
COLLISION WALLS 21 AND 22
Sheet 5D (Revision of 5B) of 1933



note -
 shaded areas of both Piers to be bush-
 hammered to exact Elevations shown.

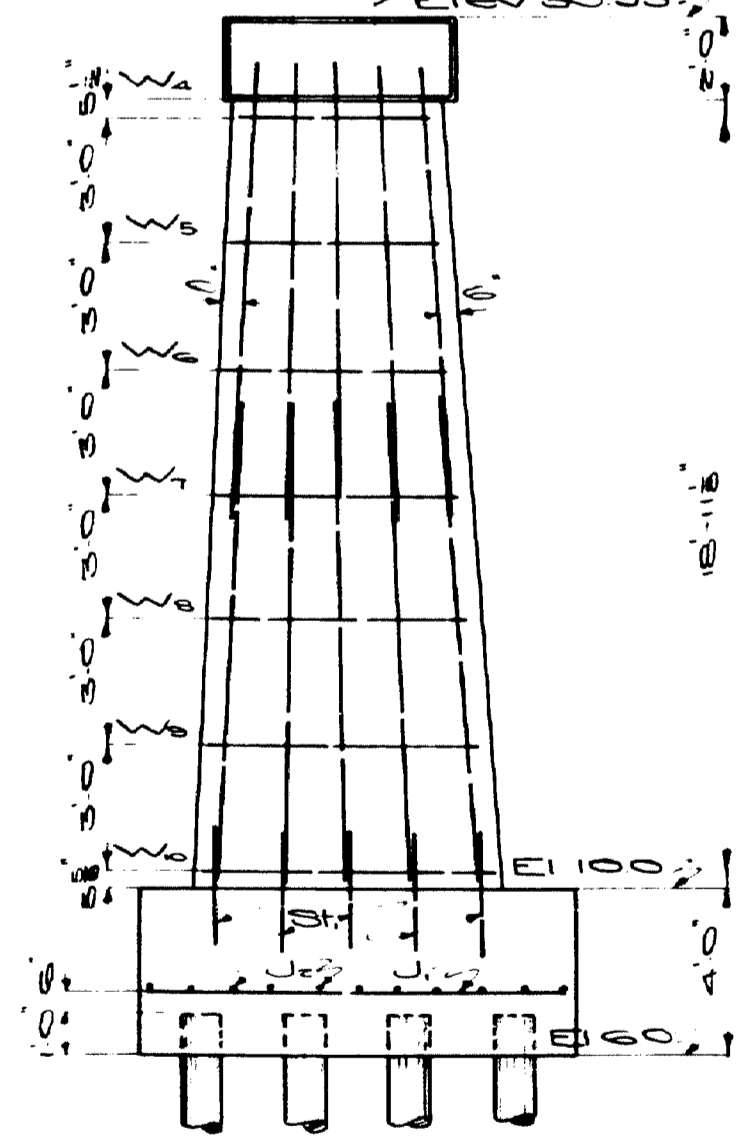


PIER #384



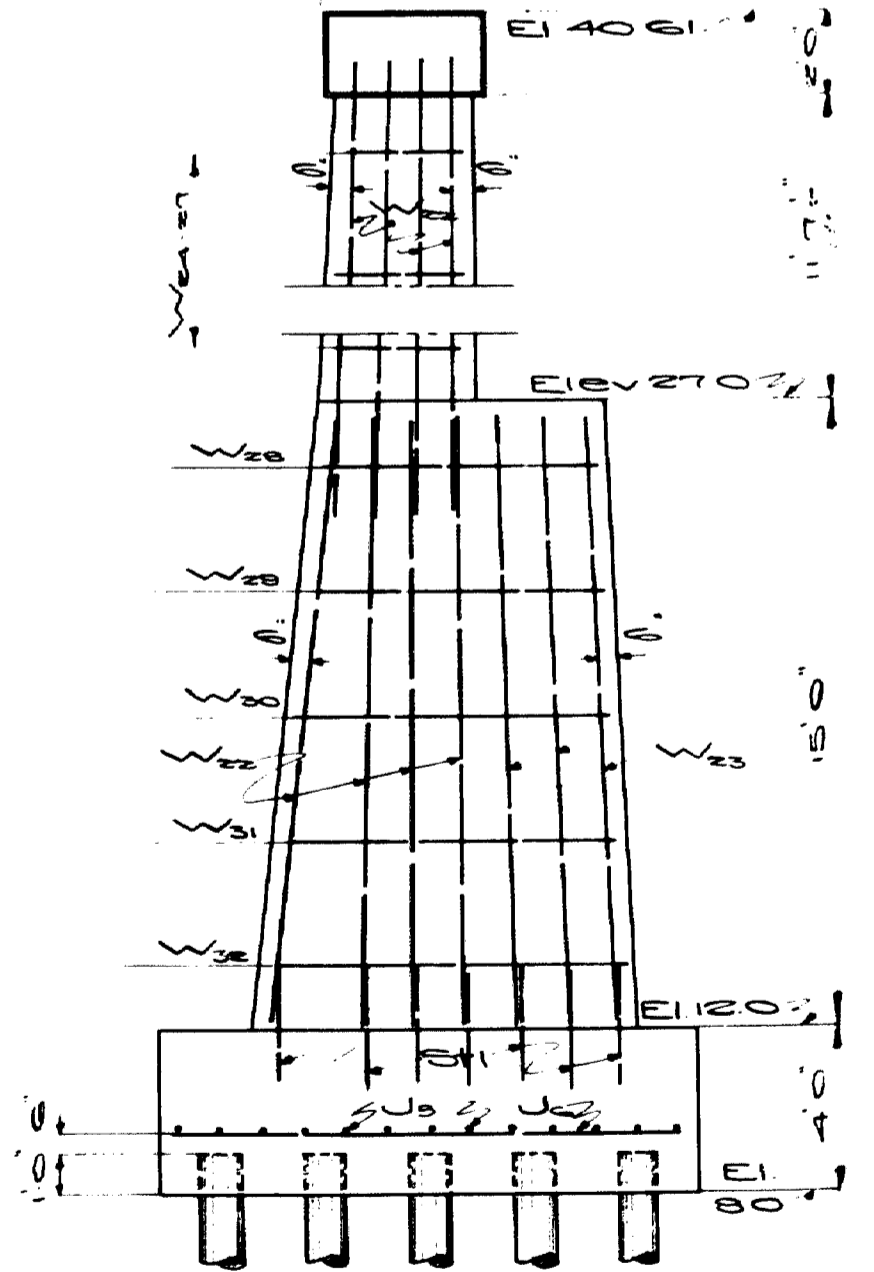
PIER #385

A B Big Tower 120.0 Span
 Sp. 10.0
 ELEV 100.0



LOAD ON PILES
 DL Only - 407 Tons
 LL & DL Max. - 15 Tons

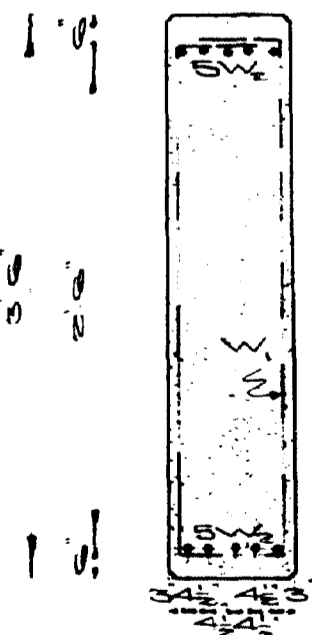
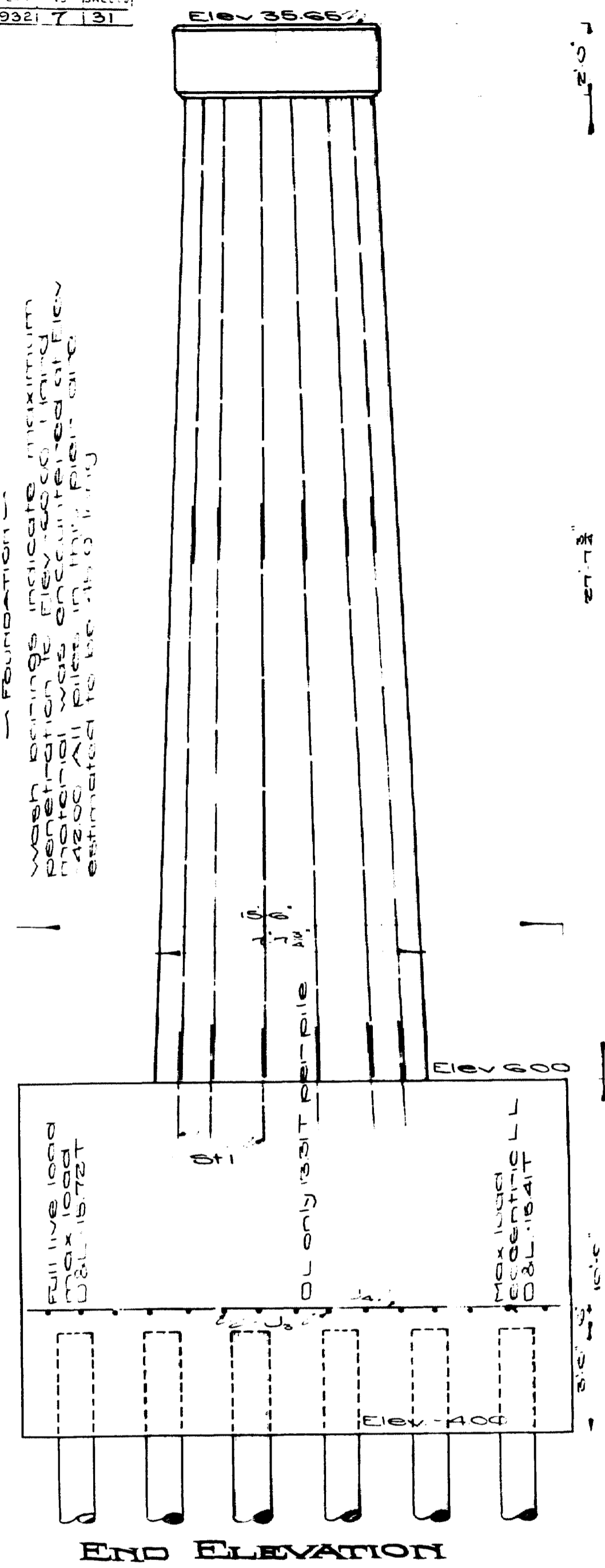
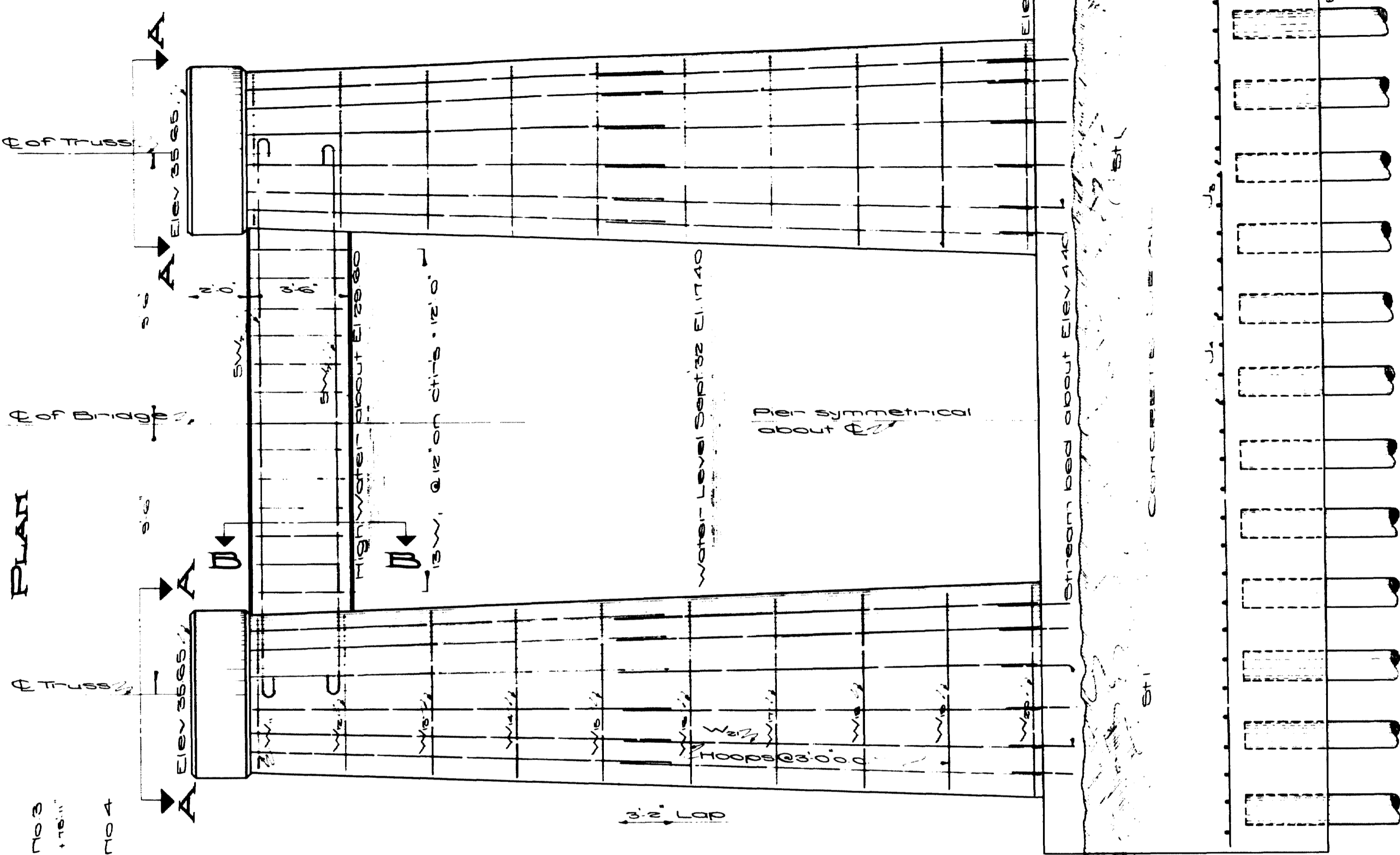
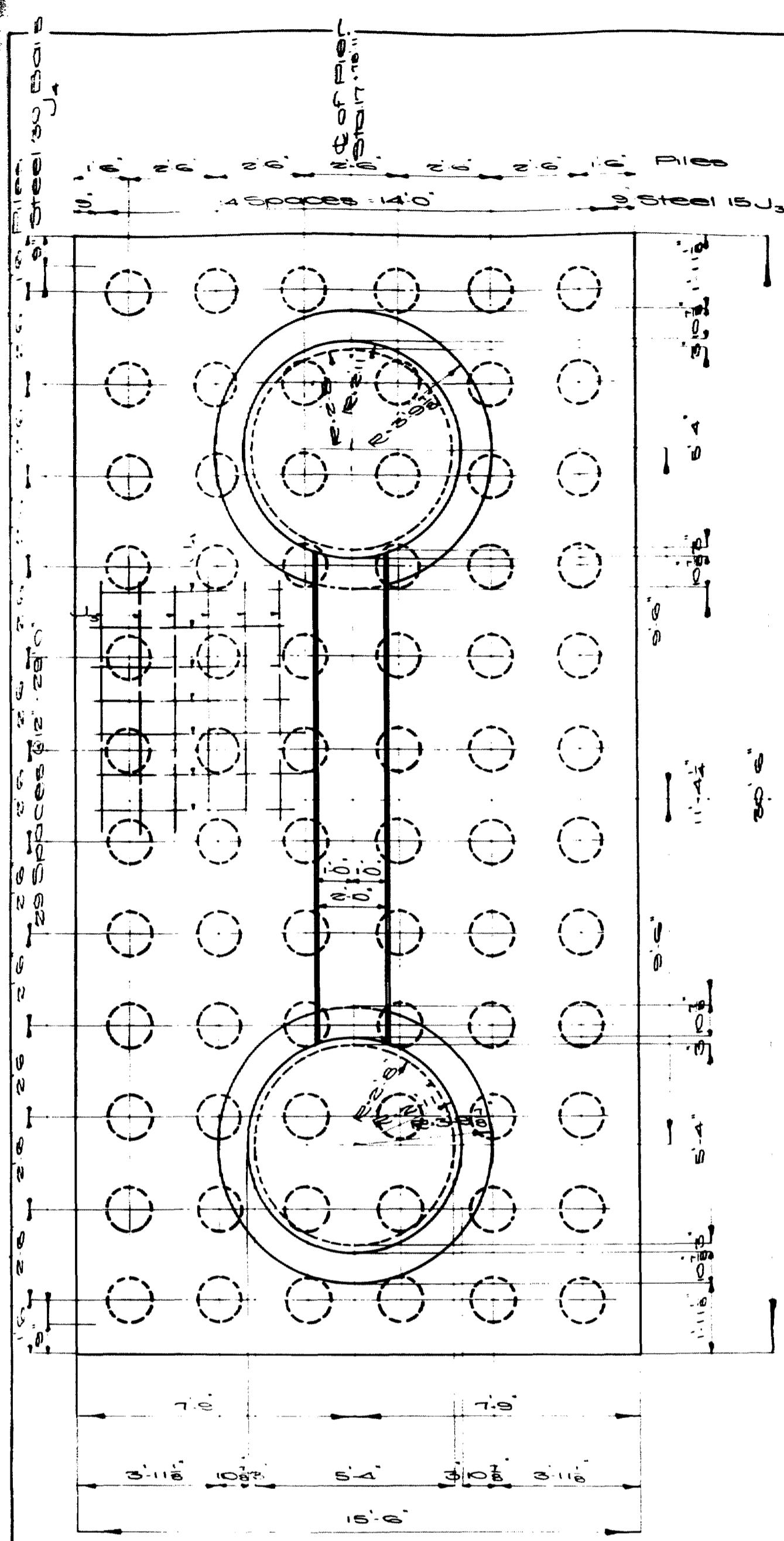
A B Big Tower 120.0 Span
 Sp. 10.0
 ELEV 110.0



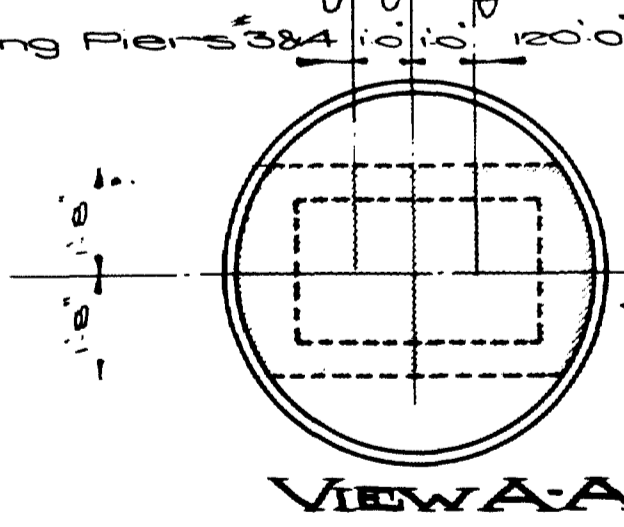
LOAD ON PILES
 DL Only - 36 Tons
 LL & DL - Max 125 Tons

Drawn C.B. 07
 Bridge 2702

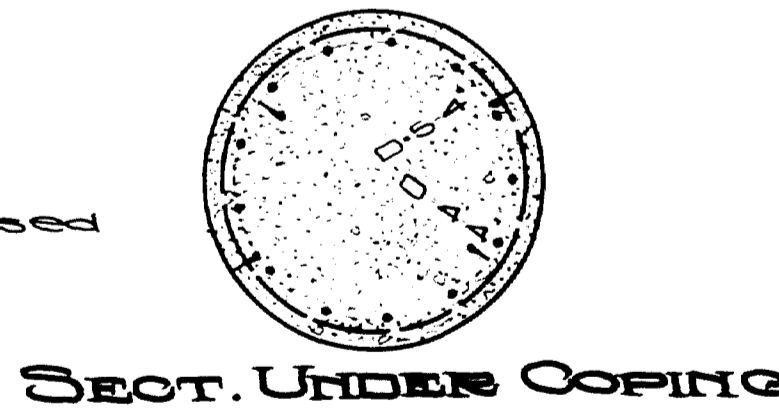
MAINE HIGHWAY COMMISSION
 BRIDGE DIVISION
**FALMOUTH RAILROAD
 CROSSING**
 OVER THE TRACKS OF
MAINE CENTRAL R.R.
 AND THE
PRESUMPSCOT RIVER
 IN THE TOWN OF
**FALMOUTH
 CUMBERLAND COUNTY**
 PIER DETAILS Nos. 384 & 385
 Sheet 9 of 31 August 31, 1932



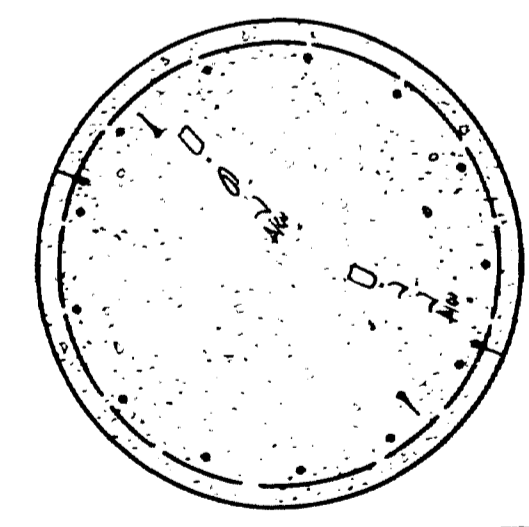
SECT. B-B



VIEW A-A



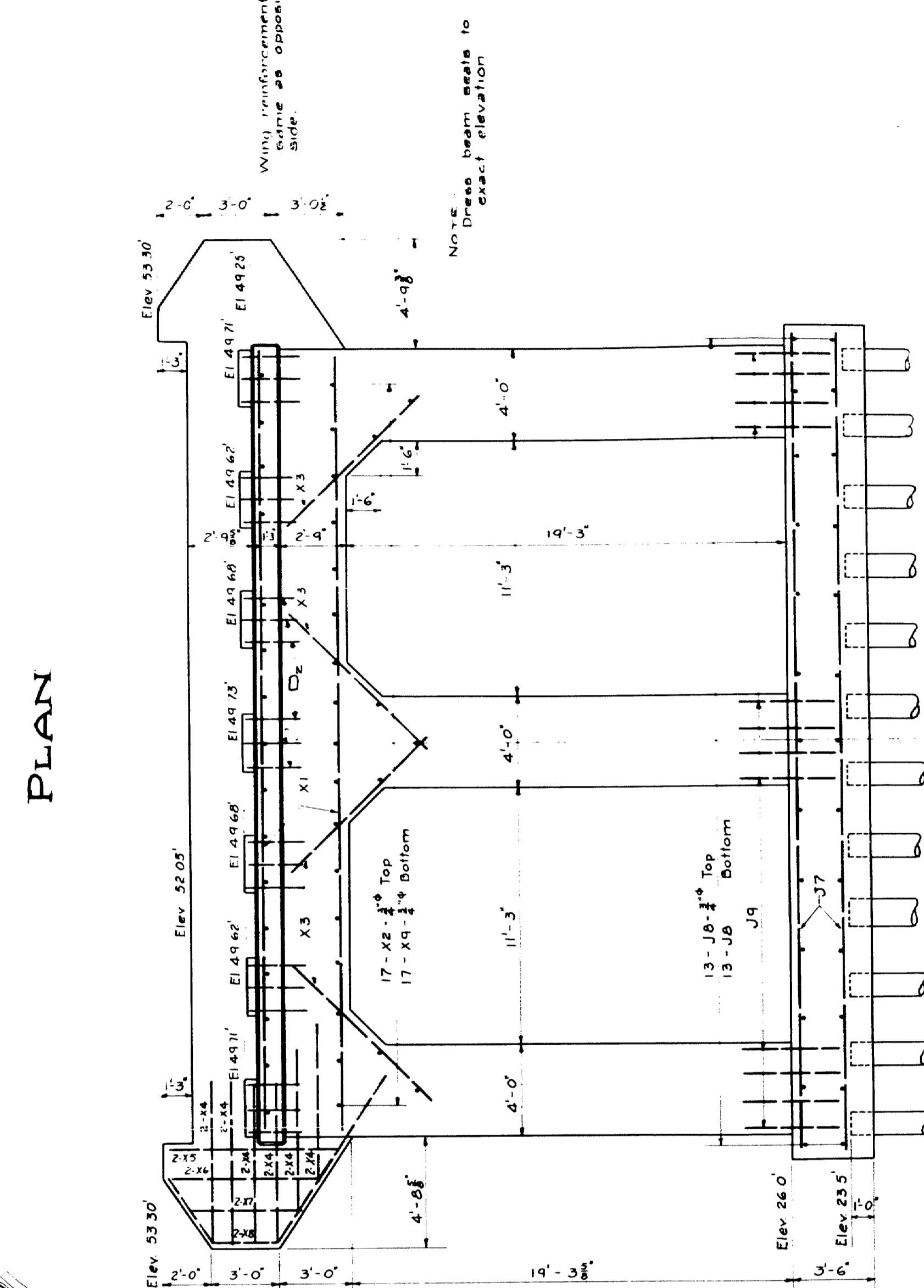
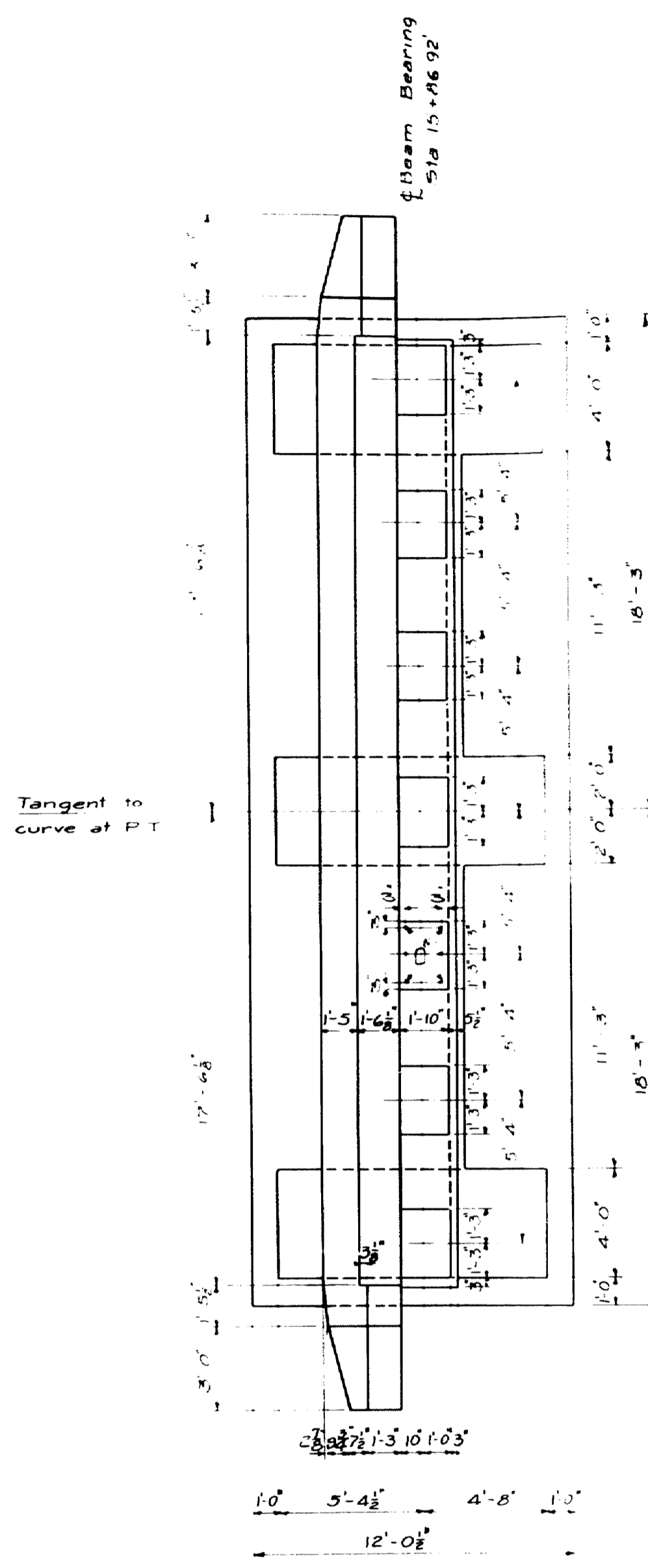
SECT. UNDER COPING



SECT. AT TOP OF FOOTING

MAINE Highway Commission
 Bridge Division
FALMOUTH RAILROAD
 CROSSING
 OVER THE TRACKS OF
MAINE CENTRAL R.R.
 AND THE
PRESUMPSCOT RIVER
 IN THE TOWN OF
FALMOUTH
CUMBERLAND COUNTY
 DETAIL OF PIERS No. 6
 Sheet 7 of 31 August, Me. 1932

TOWN 03-07
 BRIDGE 2702

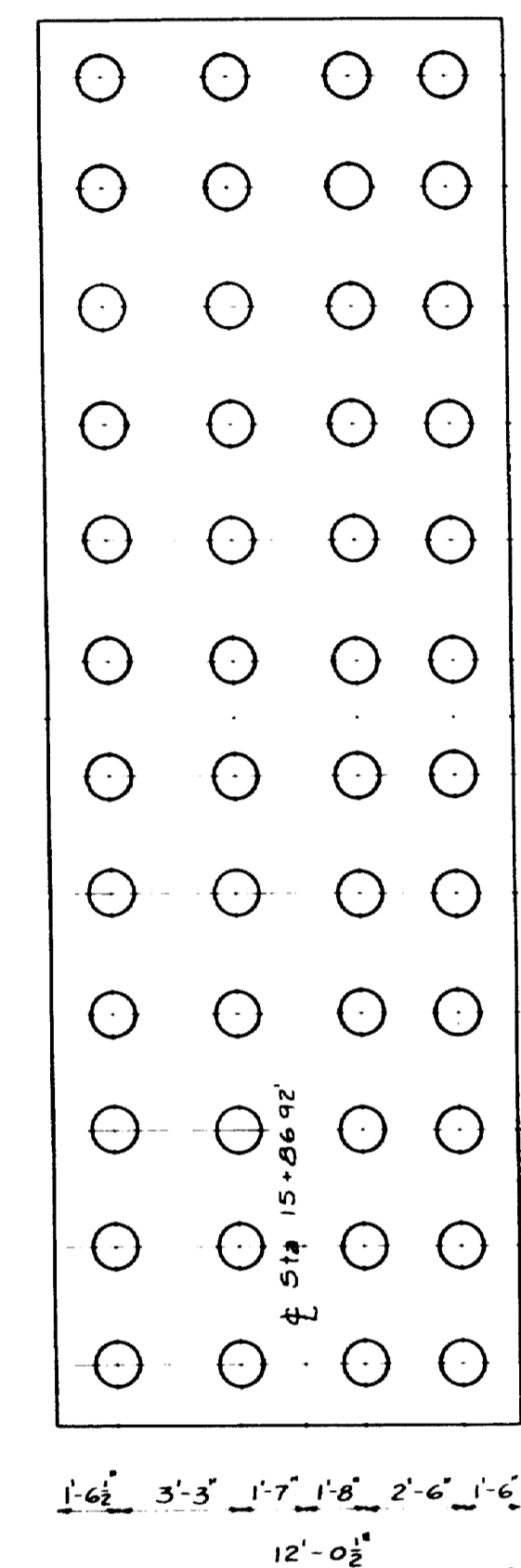


NOTE: Draw beam seats to exact elevation

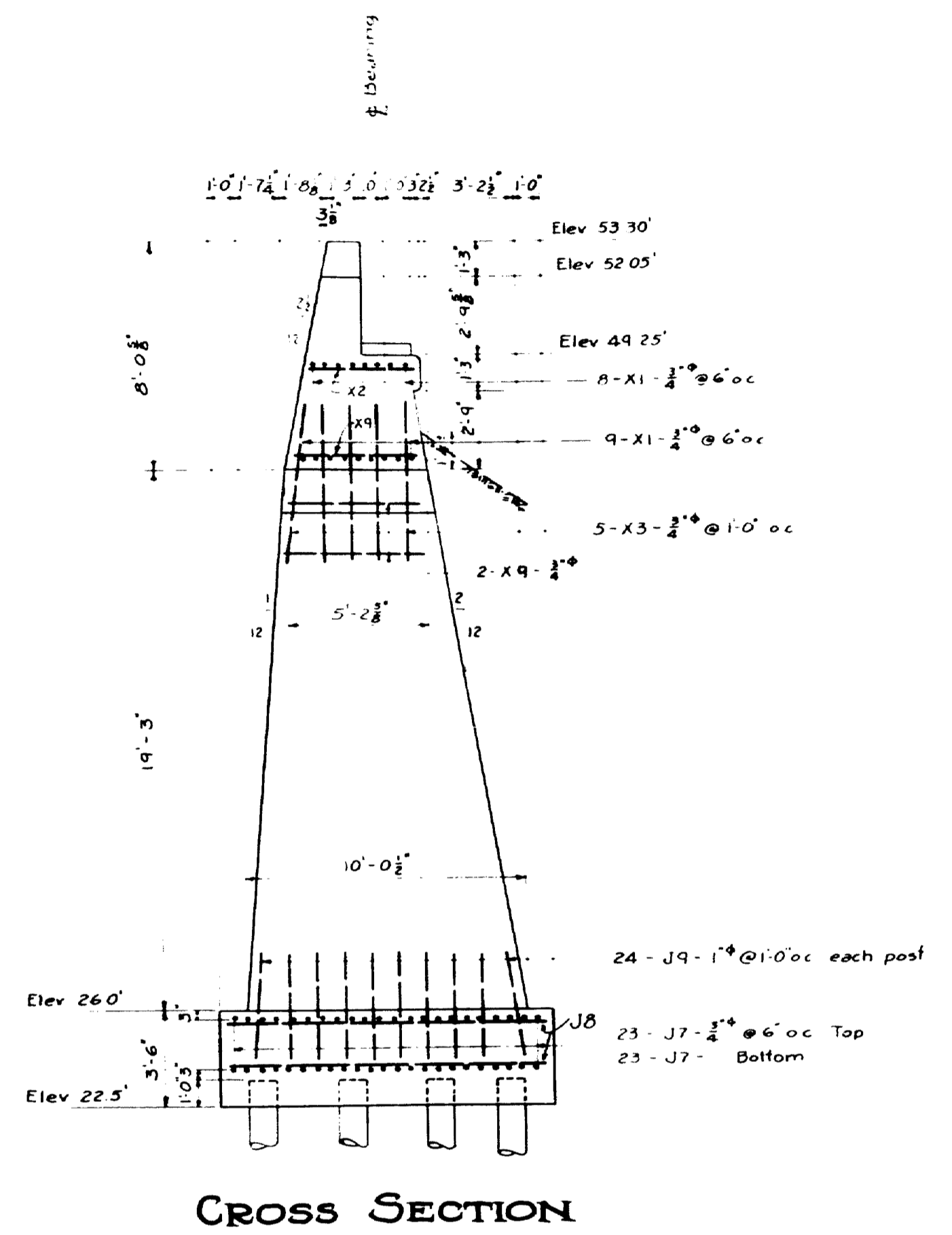
Wing reinforcement same as opposite side.

PLAN

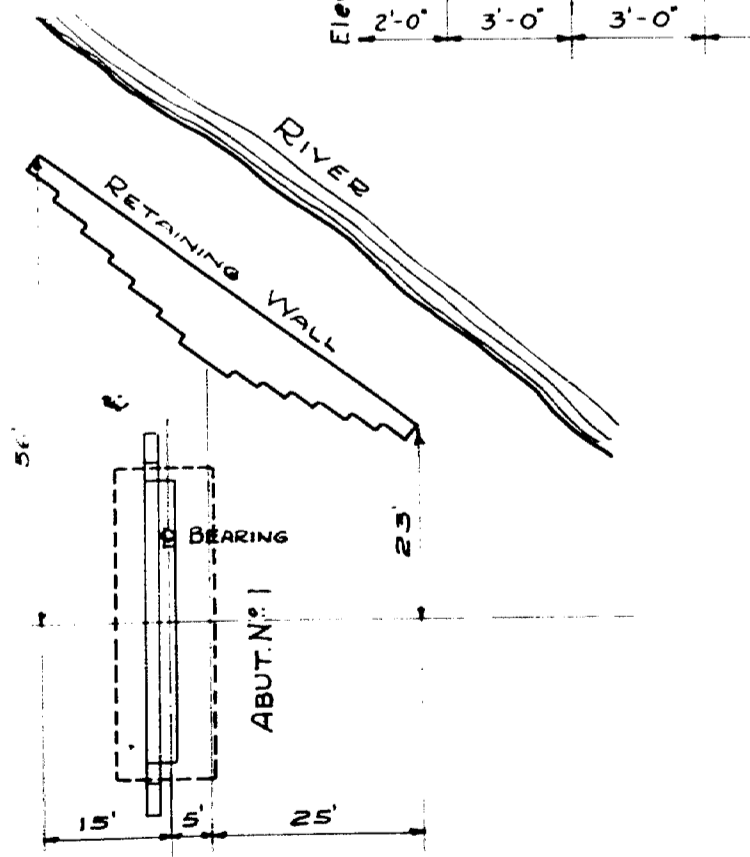
FRONT ELEVATION



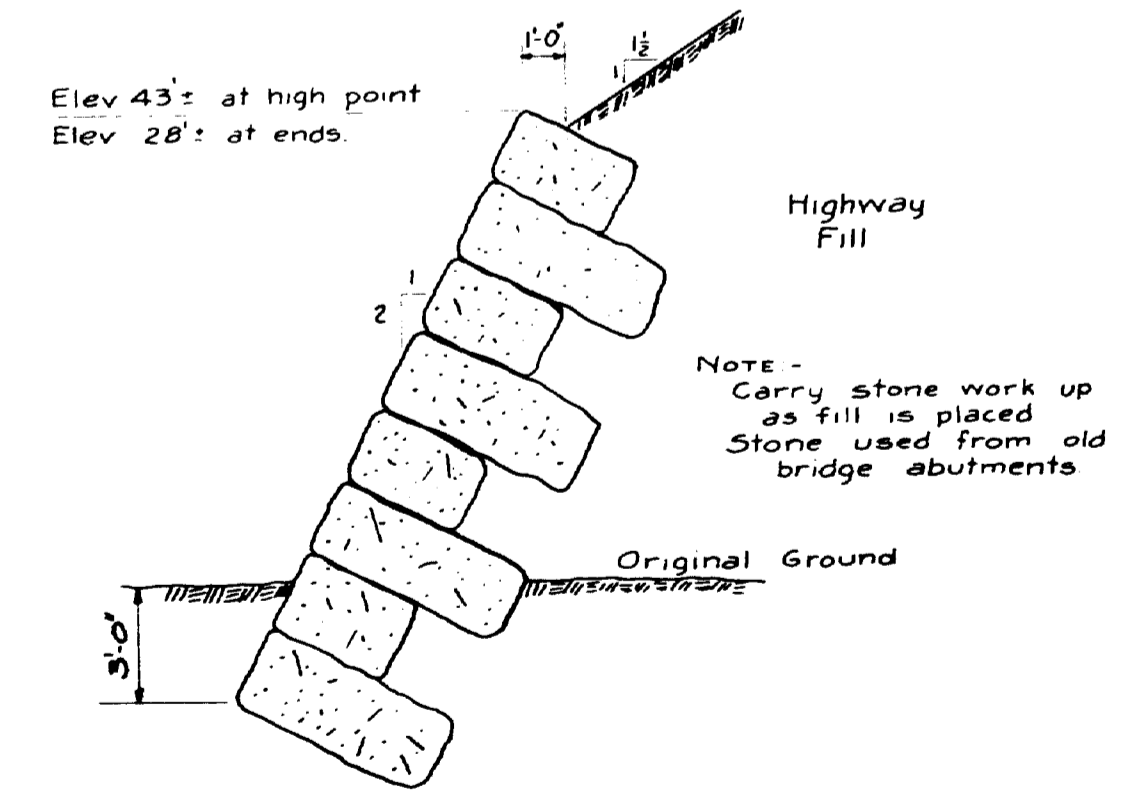
PILING PLAN
 Req'd 48 - 15' Piles



CROSS SECTION



LOCATION PLAN OF RETAINING WALL



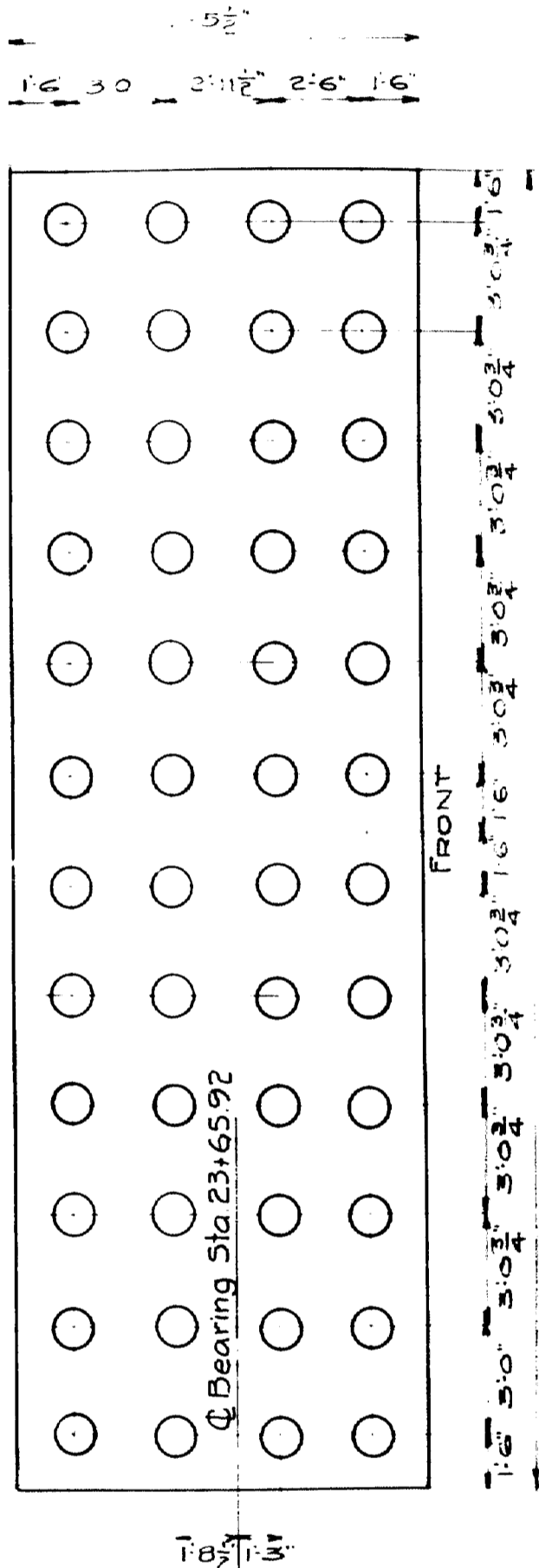
RETAINING WALL AT TOE OF FILL ABUTMENT N#1

NOTE - Carry stone work up as fill is placed Stone used from old bridge abutments

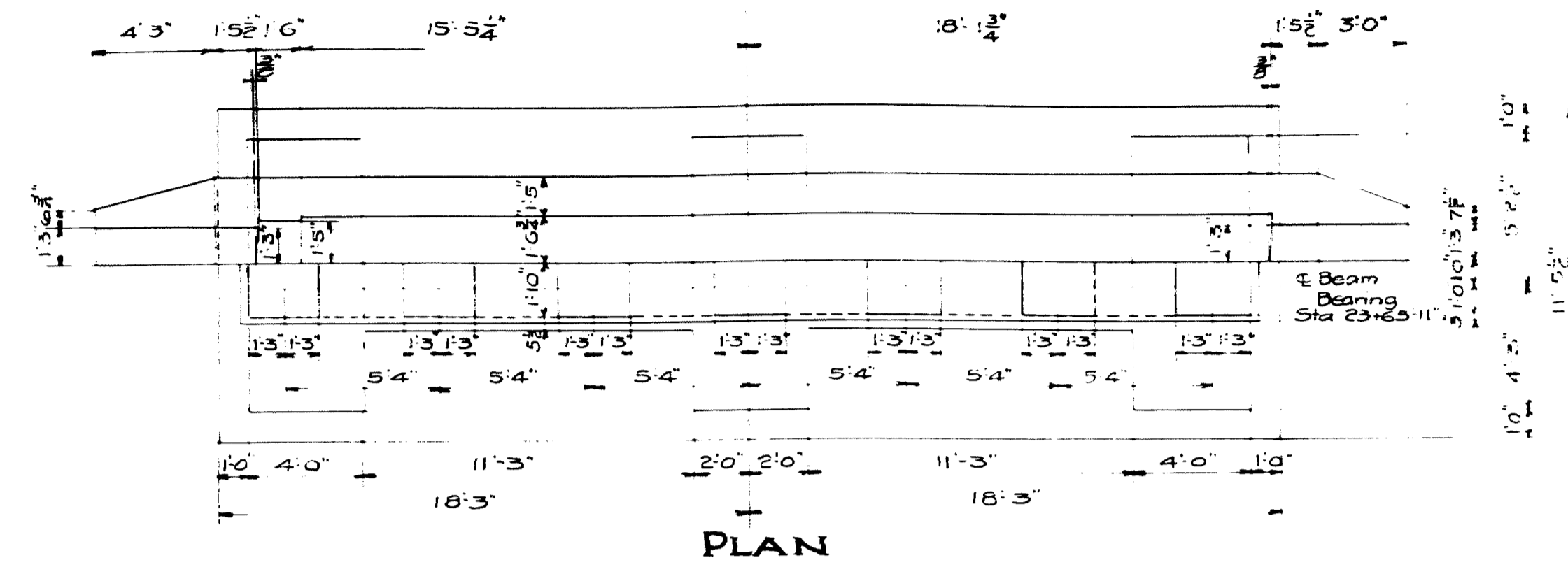
TOWN 03 07
 BRIDGE 2702
 MAINE HIGHWAY COMMISSION
 BRIDGE DIVISION
FALMOUTH RAILROAD CROSSING
 OVER THE TRACKS OF
MAINE CENTRAL R.R.
 AND THE
PRESUMSCOT RIVER
 IN THE TOWN OF
FALMOUTH
 CUMBERLAND COUNTY
 DETAILS ABUT NO. 1
 SHEET 8 OF 31 AUGUSTA, ME 1932

Revised 2/3/33 CLP

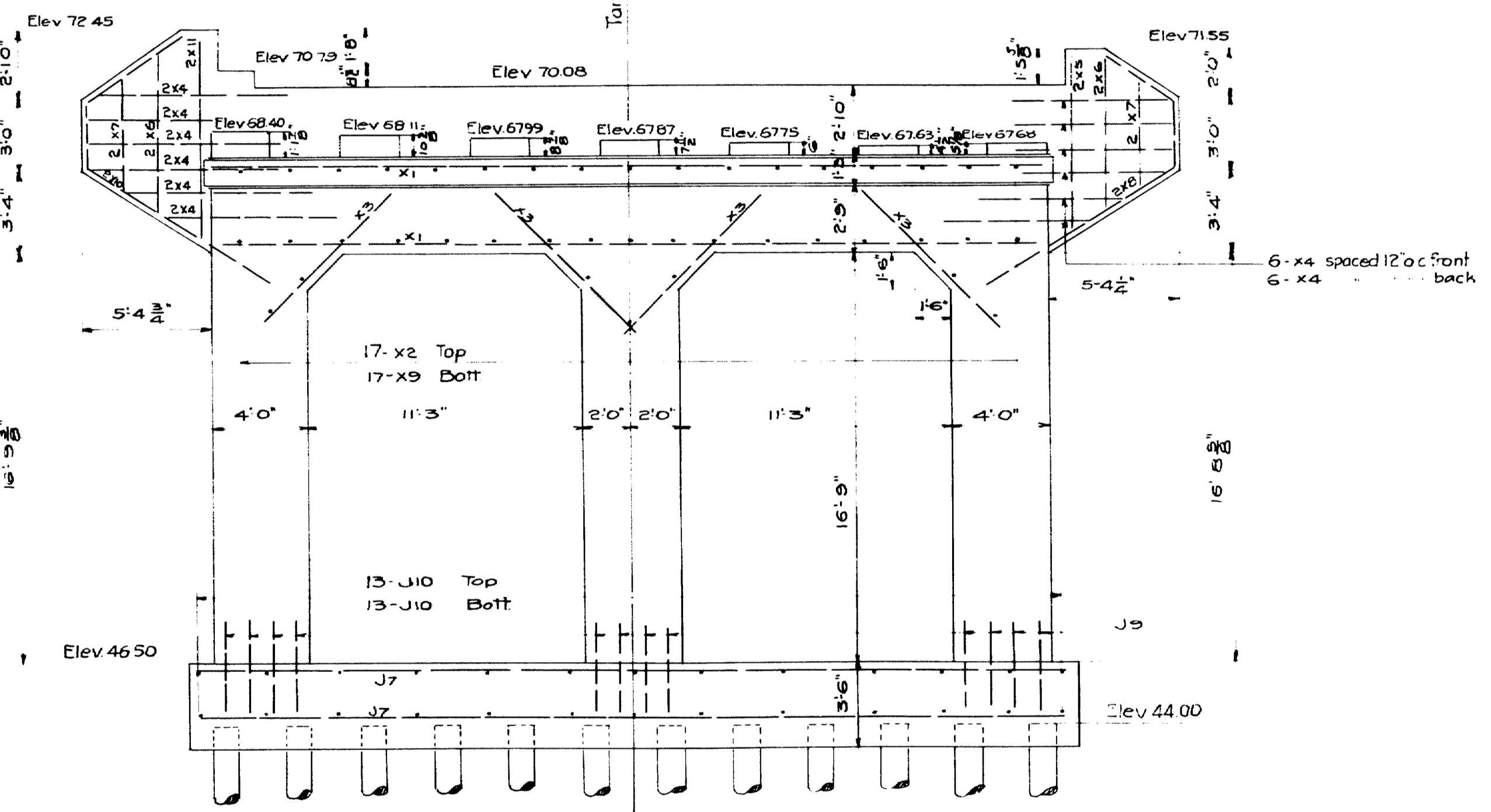
Drawn by - WJ
 Checked by - RHW
 Traced by - RHW



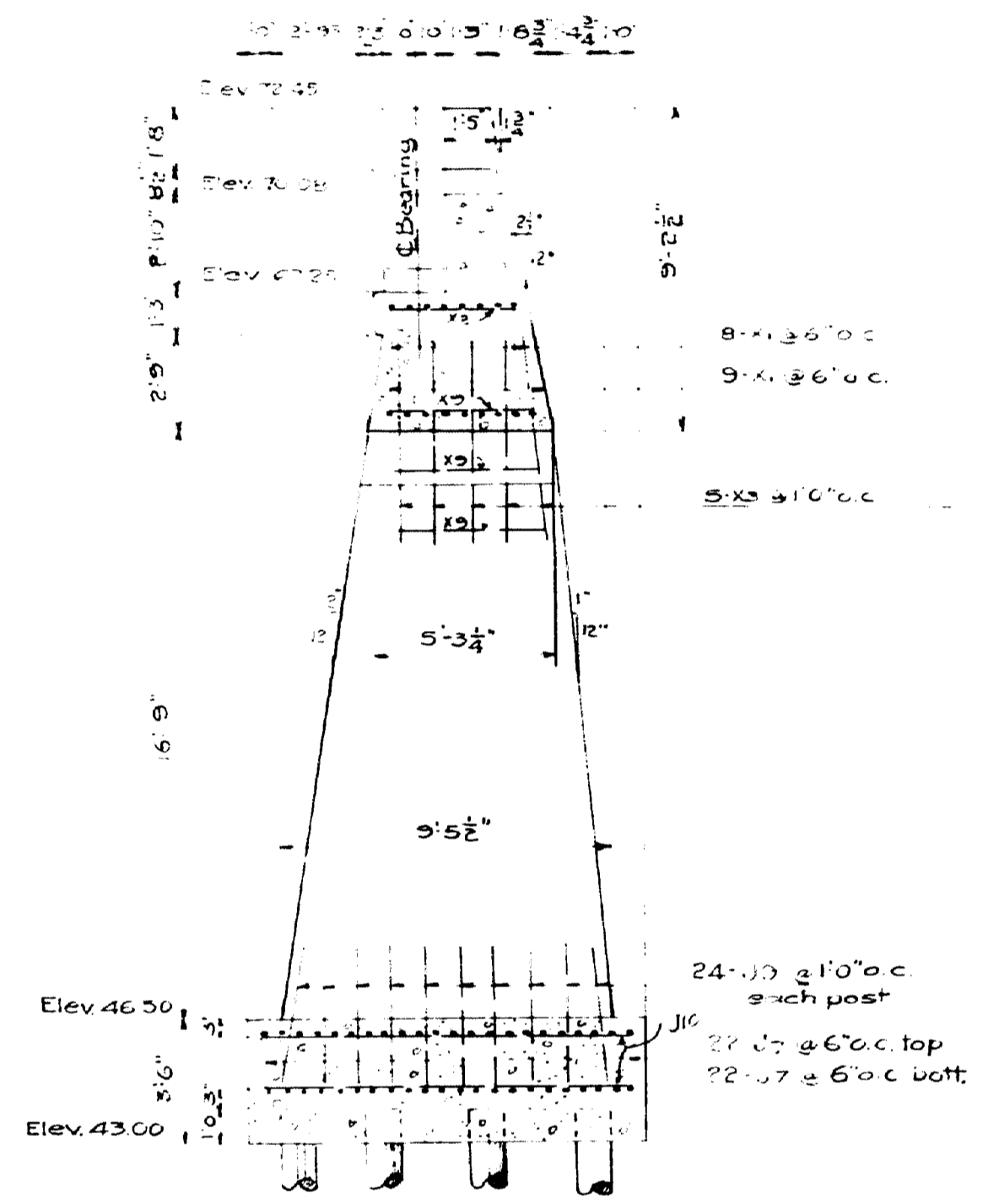
PILING PLAN
 4x4 PILES REG'D. - 15 FT



PLAN



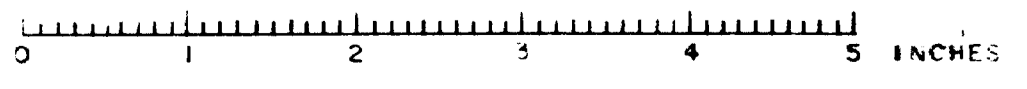
FRONT ELEVATION



CROSS-SECTION

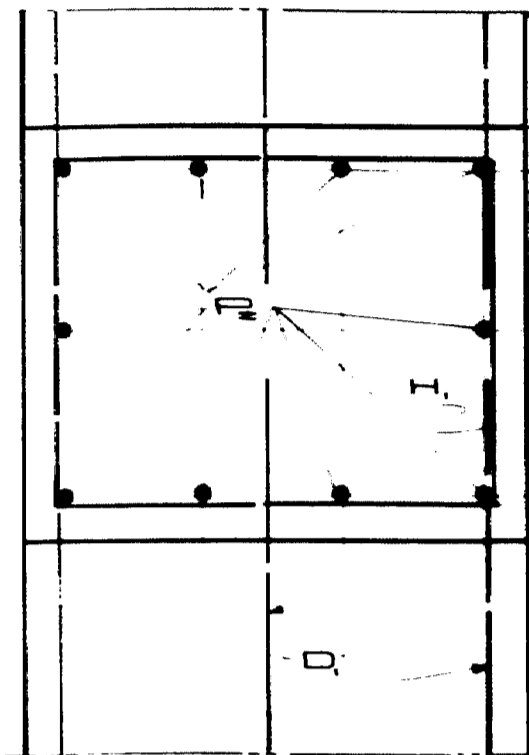
Design by: *D.P.*
 Checked by: *F.O.*
 Traced by: *G.B.*

TOWN 03-07
 BRIDGE 2702
 MAINE HIGHWAY COMMISSION
 BRIDGE DIVISION
**FALMOUTH RAILROAD
 CROSSING**
 OVER THE TRACKS OF
MAINE CENTRAL R.R.
 AND THE
PREBUMPSCOT RIVER
 IN THE TOWN OF
**FALMOUTH
 CUMBERLAND COUNTY**
 DETAILS - ABUTMENT 2
 SHEET 9 OF 31 AUGUSTA, ME., 1932.

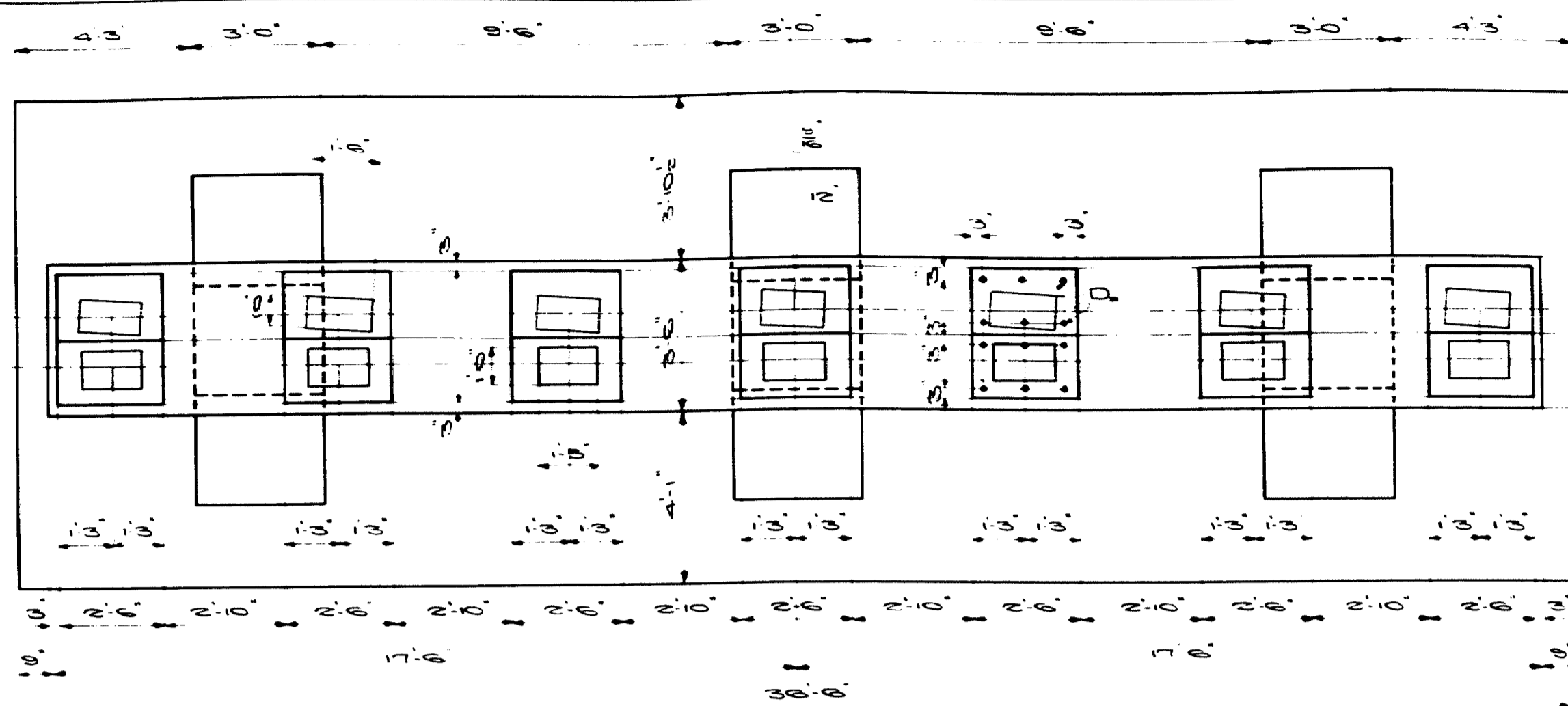


Note - Shaded portions shown in plan view designate bearing areas.

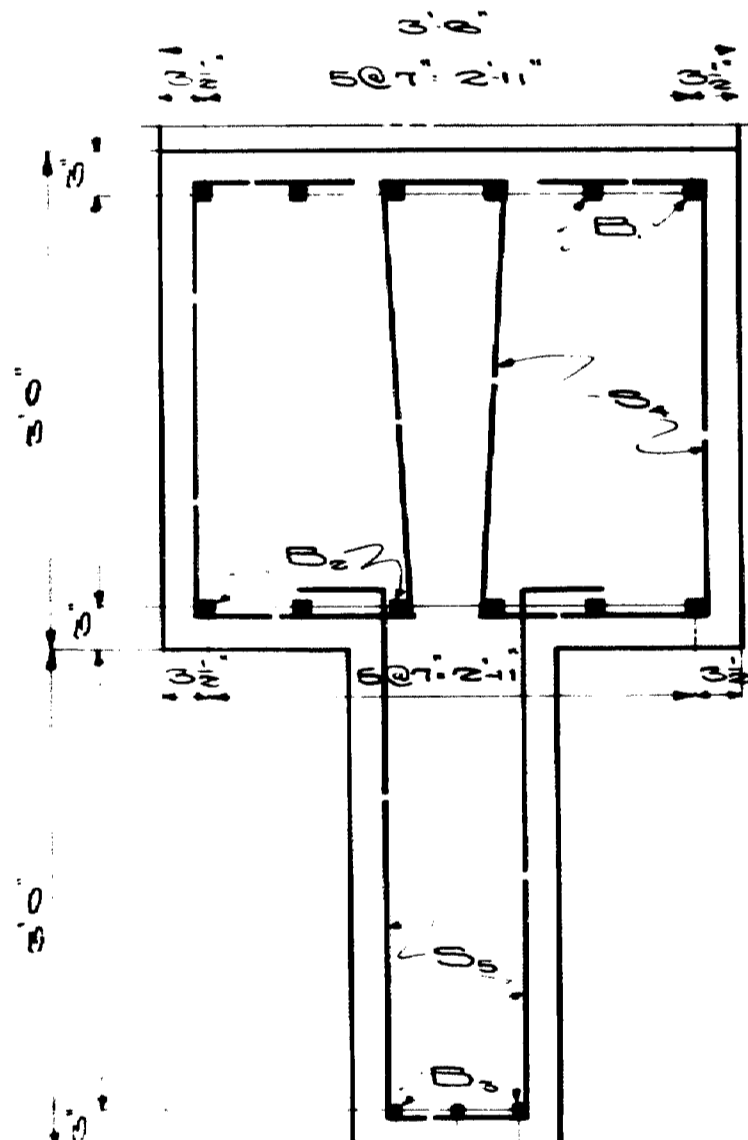
① Bearing 50'0" Span
Sta 23+27.62
② Bearing 45'0" Span
Sta 23+28.82



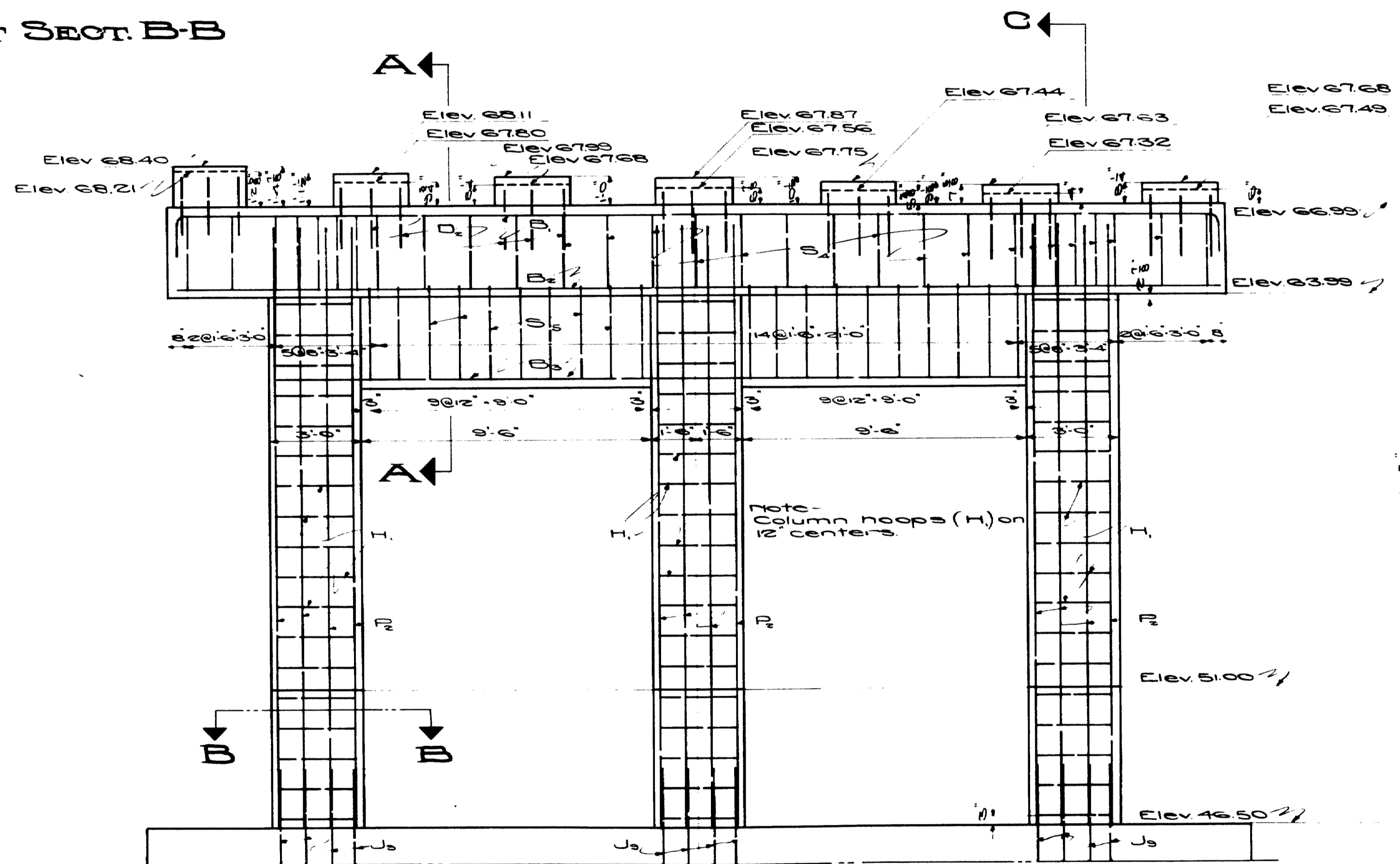
PART SECT. B-B



PLAN

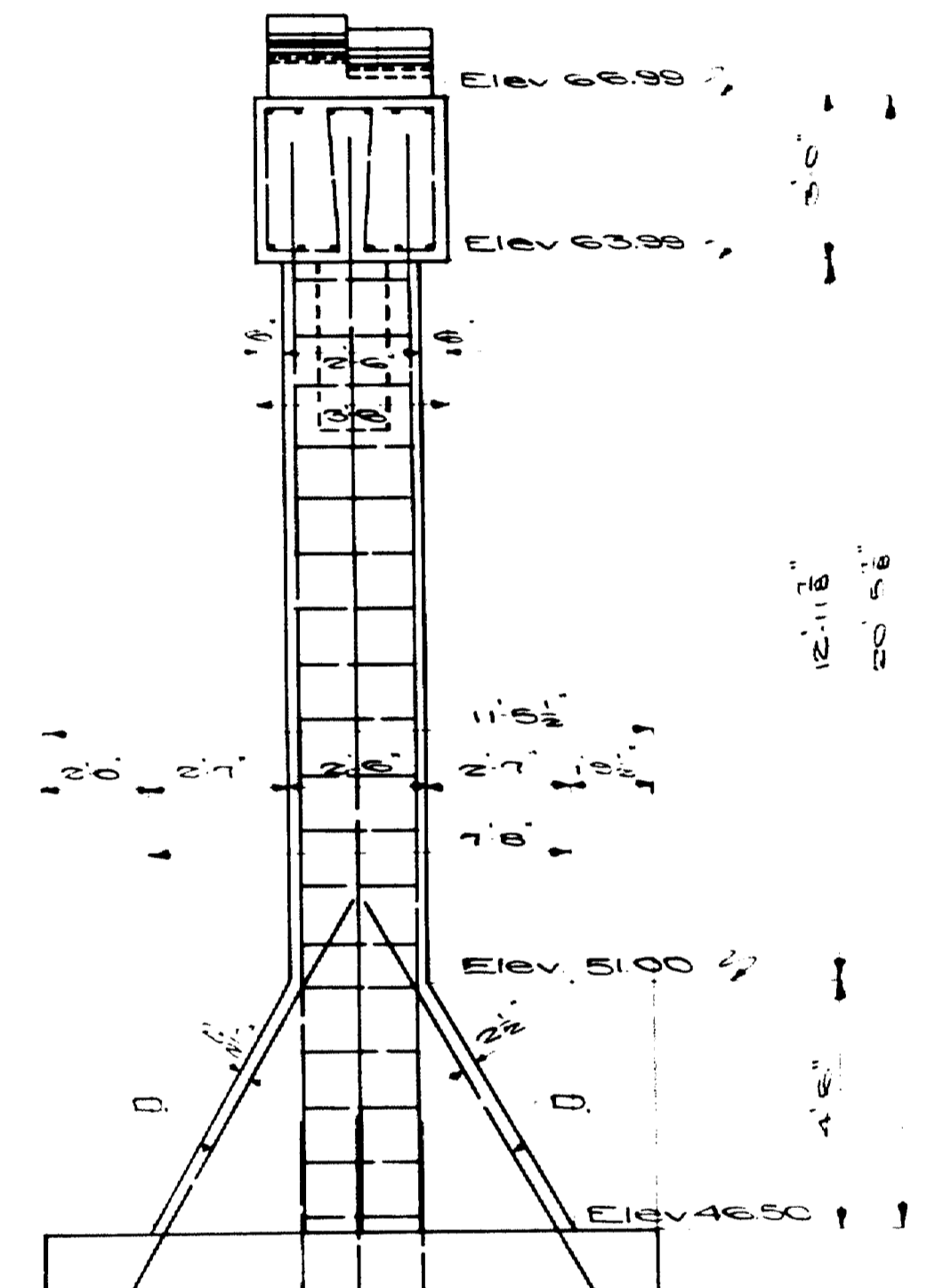


SECT. A-A



PART SOUTH ELEVATION PIER No. 27

Bearing 50'0" Span

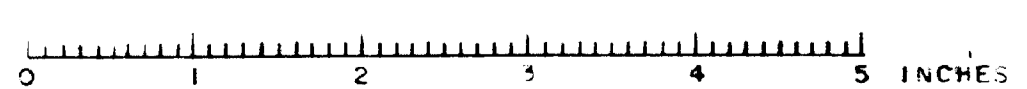


SECT. C-C

Note - Footing for this pier same as original footing Abutment No. 2

Town - 03-07
Bridge 2702

MAINE HIGHWAY COMMISSION
BRIDGE DIVISION
**FALMOUTH RAILROAD
CROSSING**
OVER THE TRACKS OF
MAINE CENTRAL R.R.
AND THE
PRESUMPSOOT RIVER
IN THE TOWN OF
FALMOUTH
CUMBERLAND COUNTY
DETAILS PIER No. 27
Sheet 9A of 3, Augusta, Me. 1938



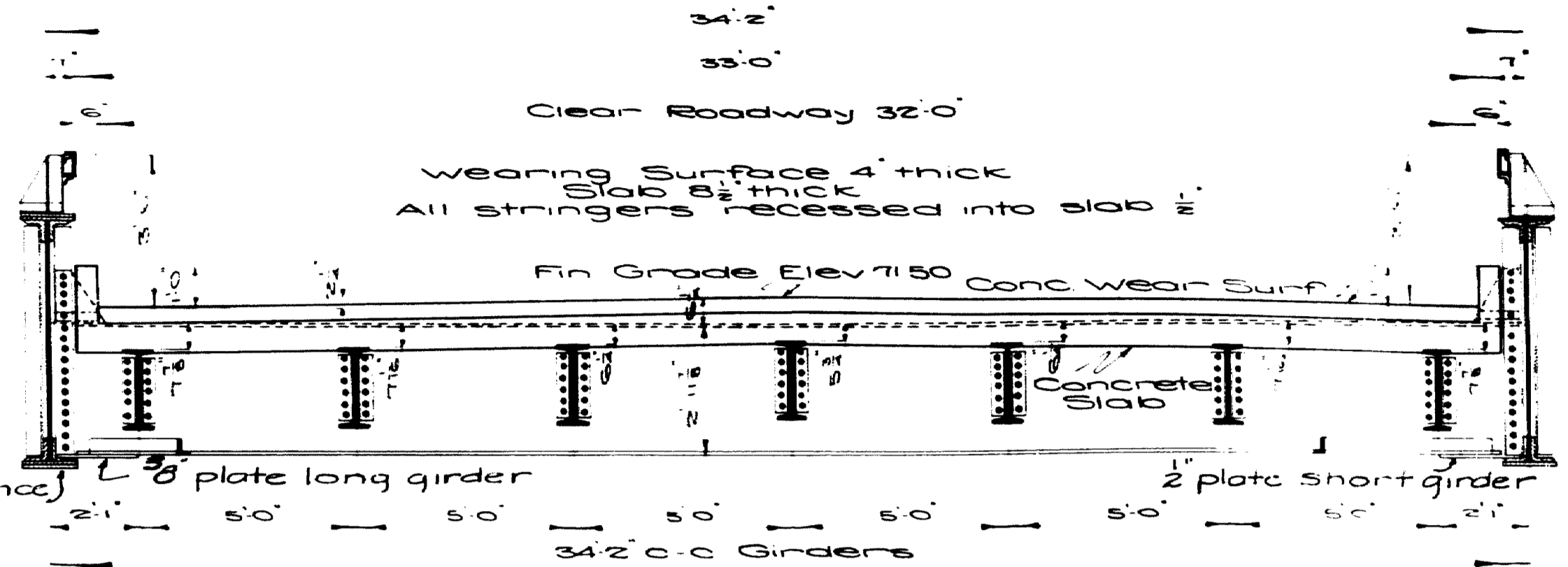
STRINGERS

Interior		Exterior	
DL	LL	DL	LL
100000	100000	100000	100000
24000	24000	24000	24000
100000	100000	100000	100000
24000	24000	24000	24000
100000	100000	100000	100000
24000	24000	24000	24000
100000	100000	100000	100000
24000	24000	24000	24000
100000	100000	100000	100000
24000	24000	24000	24000
100000	100000	100000	100000
24000	24000	24000	24000
100000	100000	100000	100000
24000	24000	24000	24000
100000	100000	100000	100000
24000	24000	24000	24000
100000	100000	100000	100000
24000	24000	24000	24000
100000	100000	100000	100000
24000	24000	24000	24000
100000	100000	100000	100000
24000	24000	24000	24000

Loads - Floor system 3.15 ton trucks 70'0" girder - uniform moving load 751 lb per ft. Concentration for shear 30004 lb Concentration for moment 21119 lb

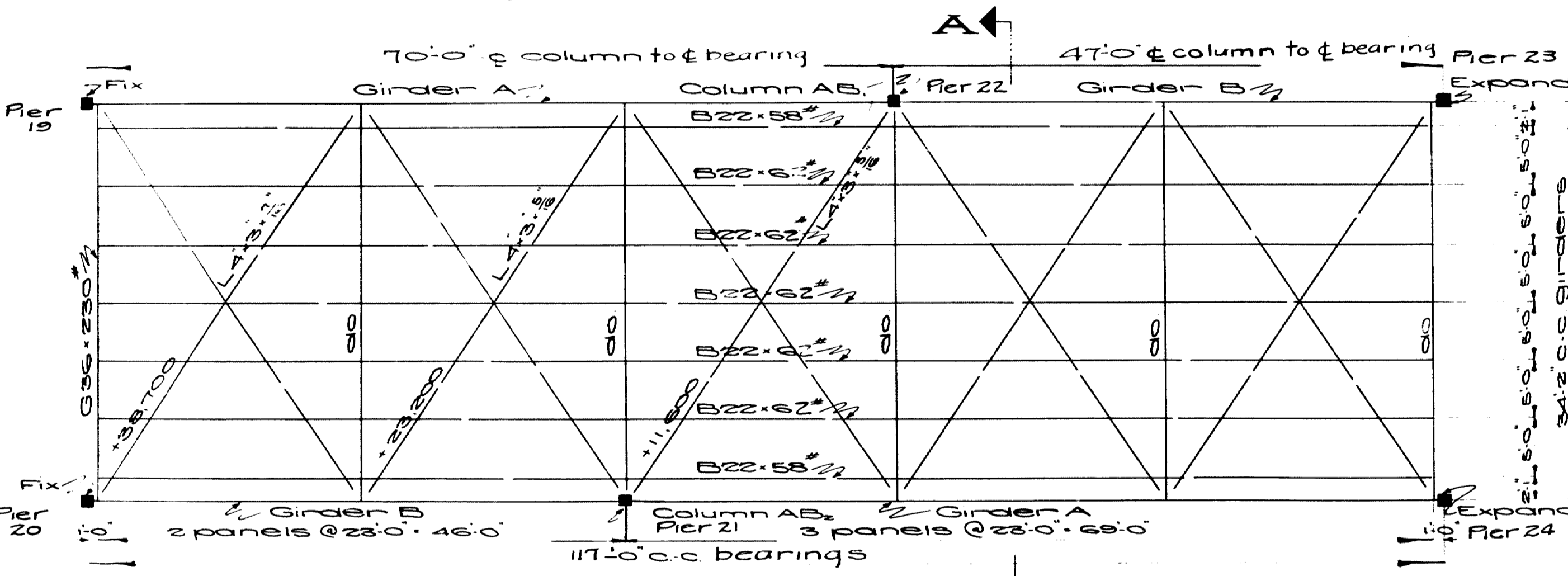
47'0" girder - 3.15 ton trucks Wind Loading - 50 lb per sq ft on 1/2 times area of windward girder including rail, etc. and considered as a moving load

Live load increased 100%
Wind load increased 50%
All members designed for unit stress of 24,000 lb per sq. inch.



SECTION A-A
Interior stringers B 22 x 62 lb
Exterior stringers B 22 x 58 lb
Floor beams G 36 x 230 lb
All stringer conn. angles 4 x 3 1/2 x 6

Note - For detail of roadway crown see sheet No. 12

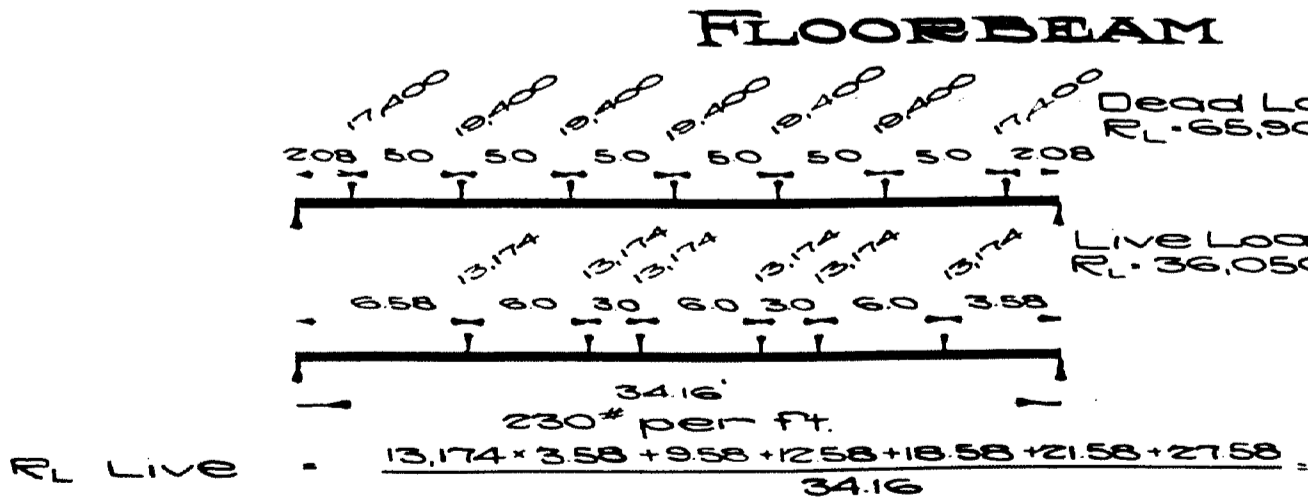


PLAN FLOOR SYSTEM AND LOWER LATERALS

PLATE GIRDERS

LONG GIRDER		SHORT GIRDER	
DL	LL	DL	LL
59900	103300	28000	68400
230	230	230	230
59900	103300	28000	68400
230	230	230	230
59900	103300	28000	68400
230	230	230	230
59900	103300	28000	68400
230	230	230	230
59900	103300	28000	68400
230	230	230	230

Note - All rivets to be 3/4". All details to be made in accordance with Maine Highway Commission specifications for Steel Highway Bridges. Other sections of equal strength may be substituted, but no payment will be made for additional weight caused thereby.

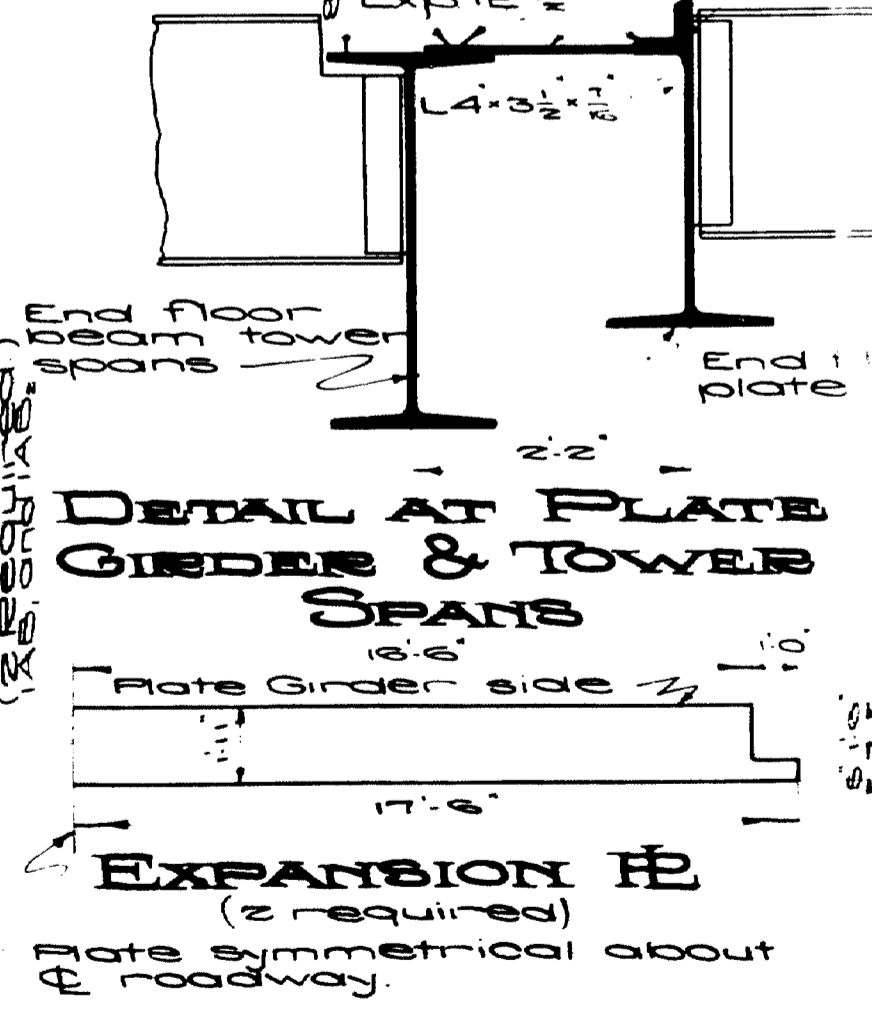
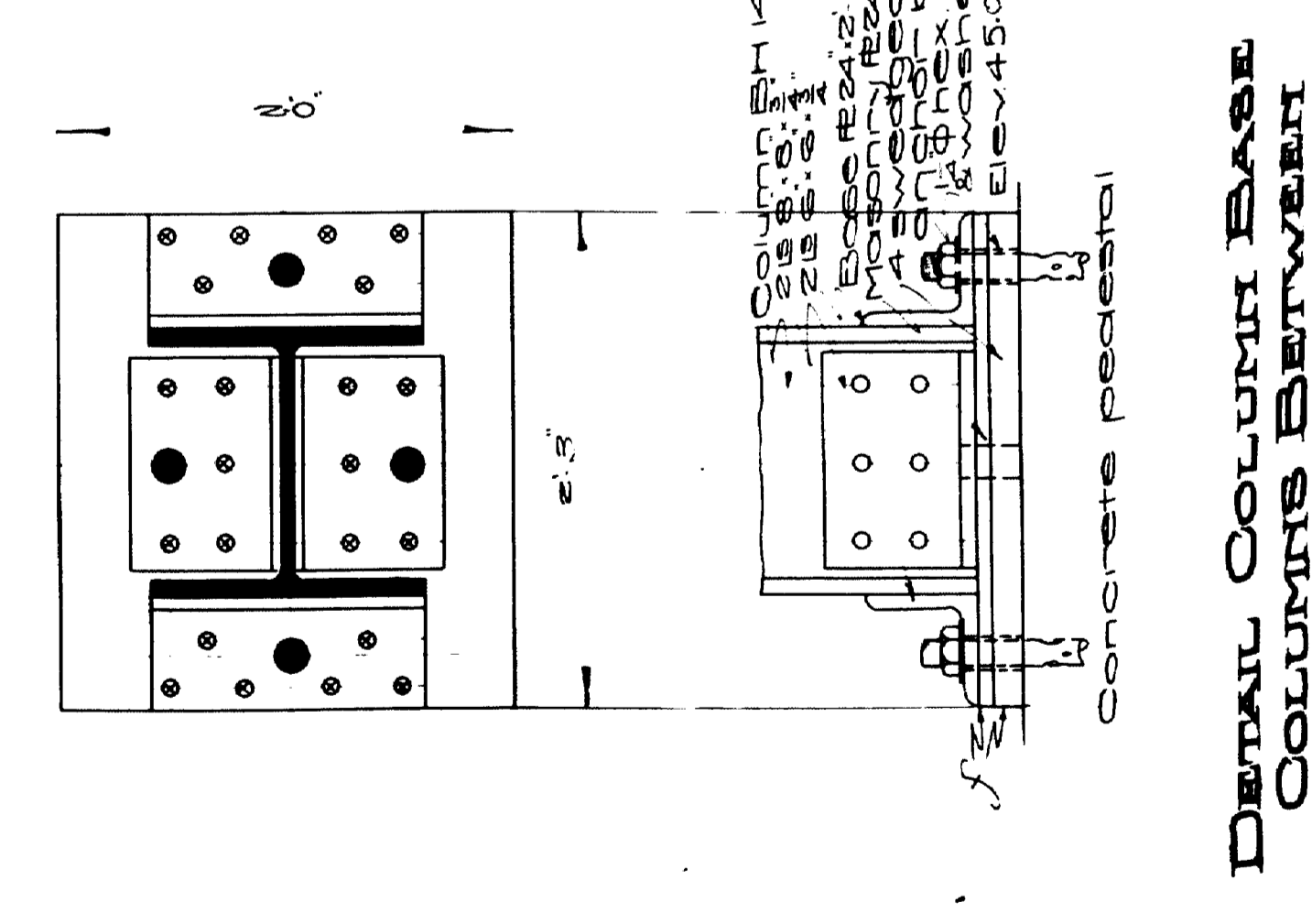
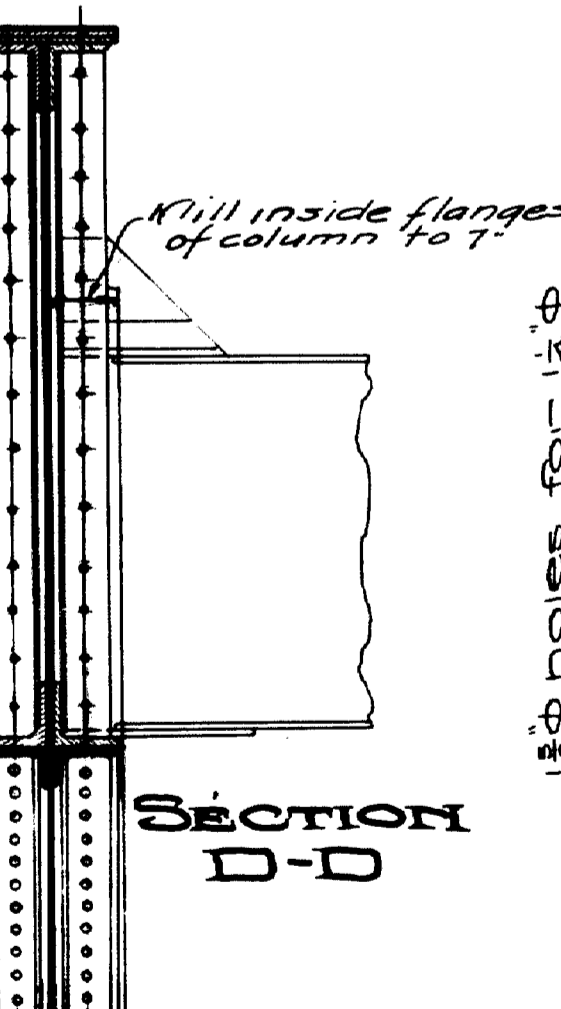
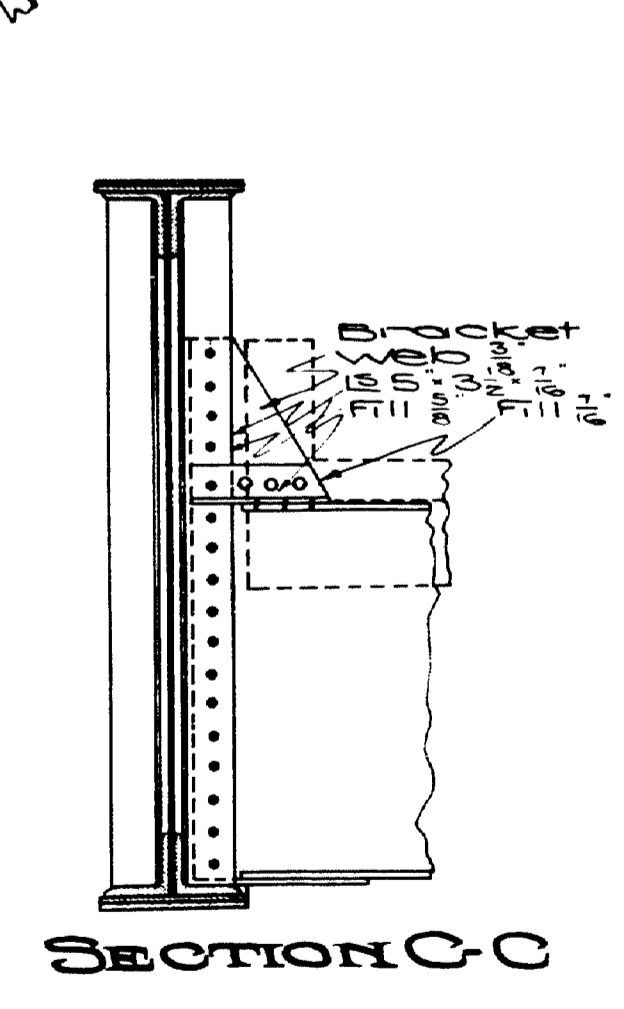
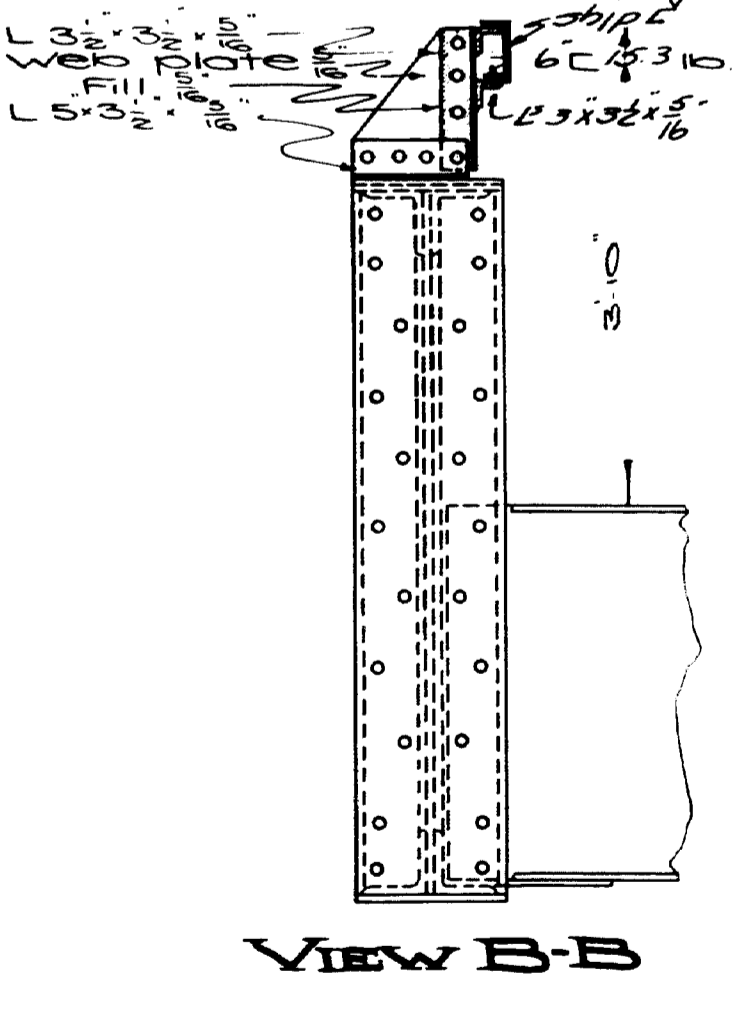
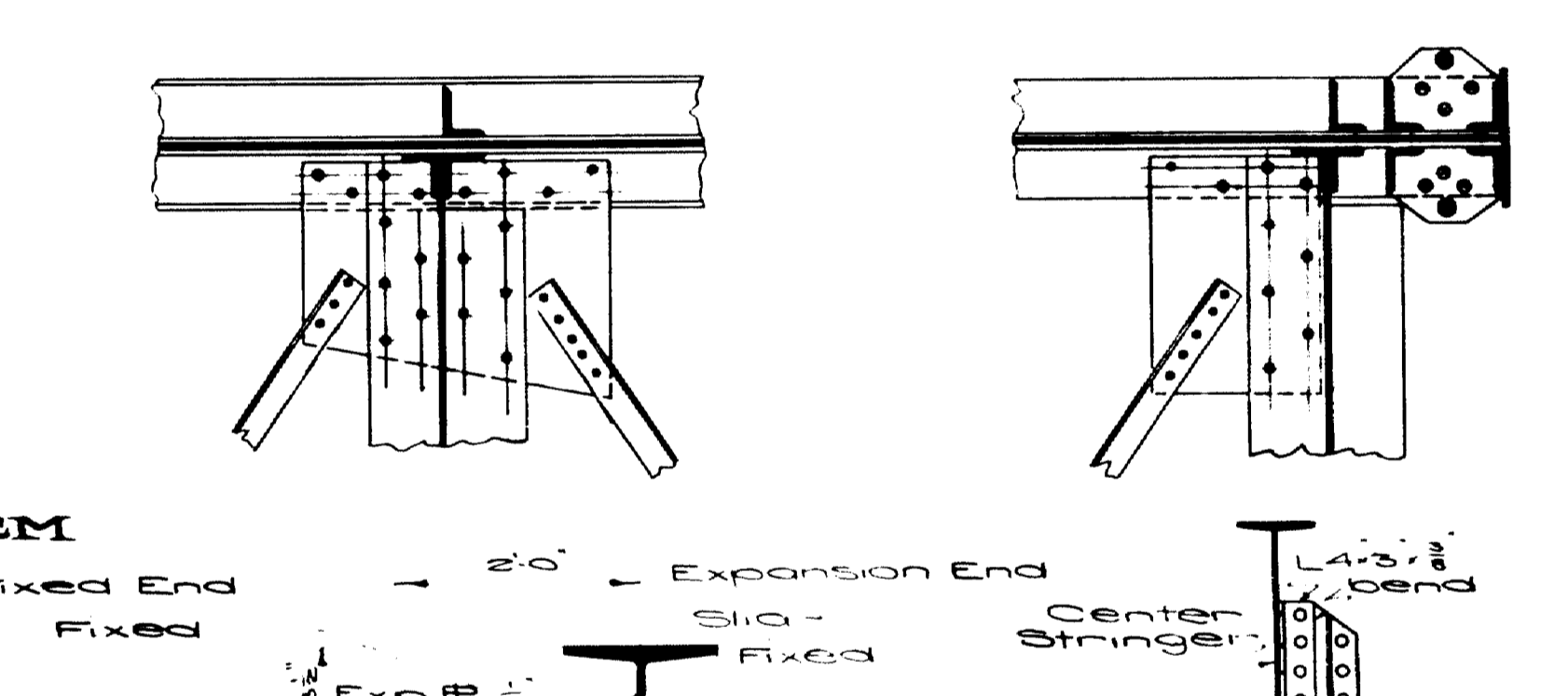
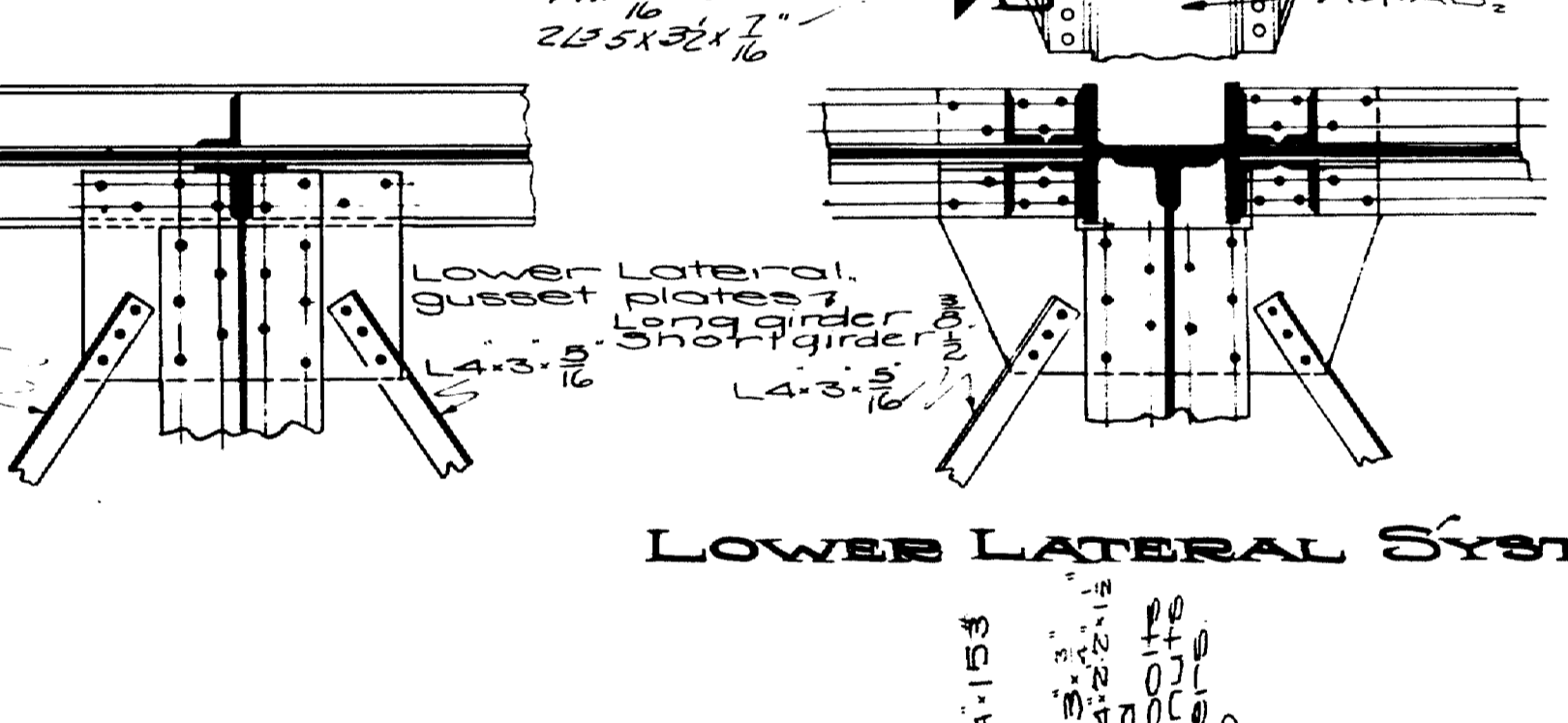
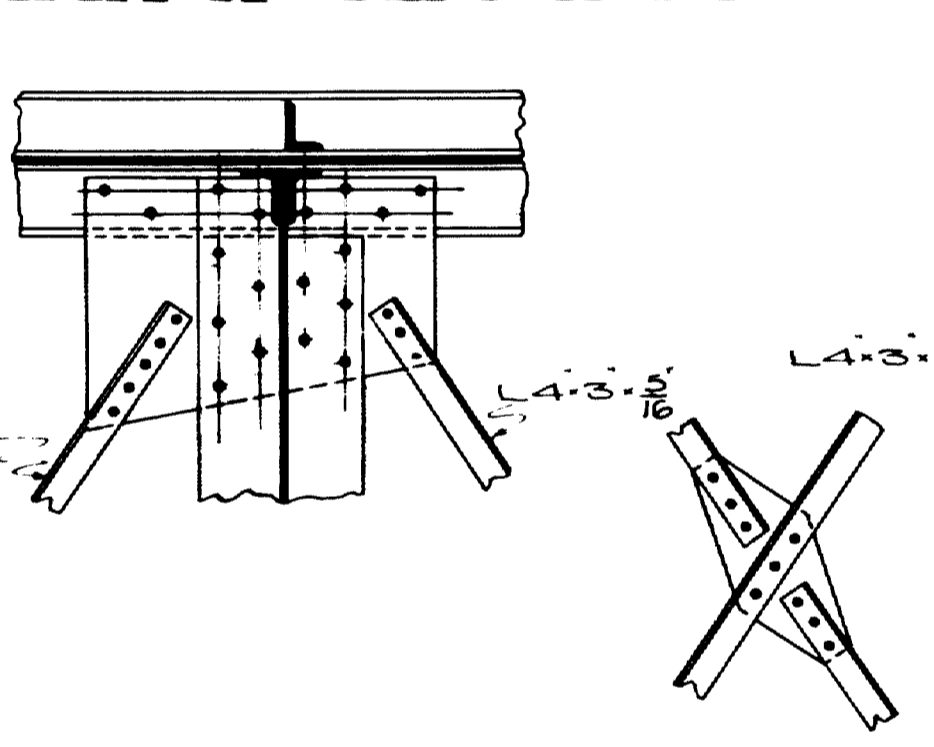
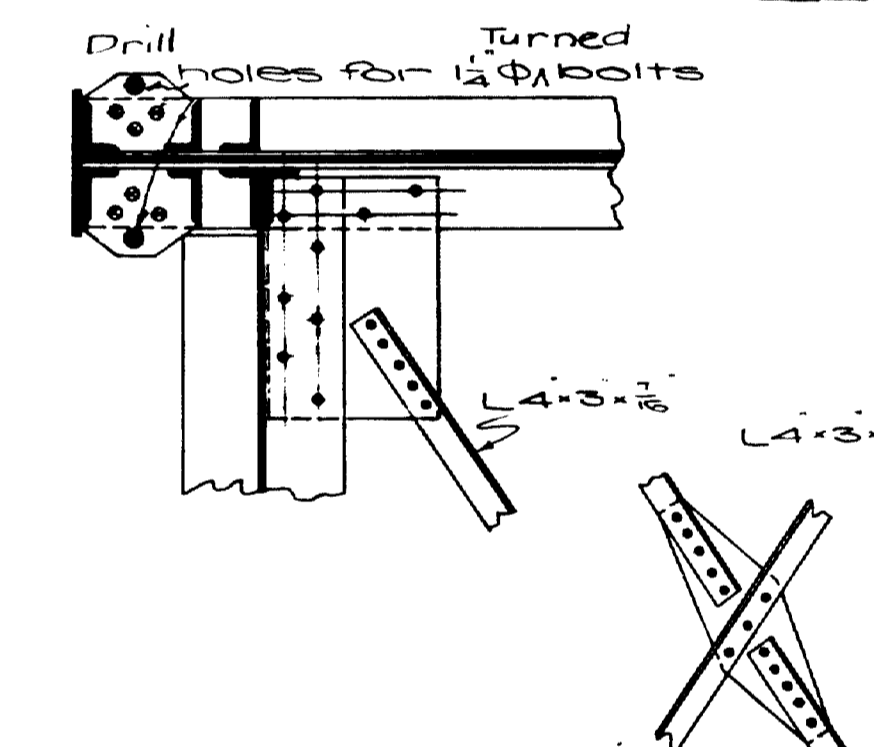
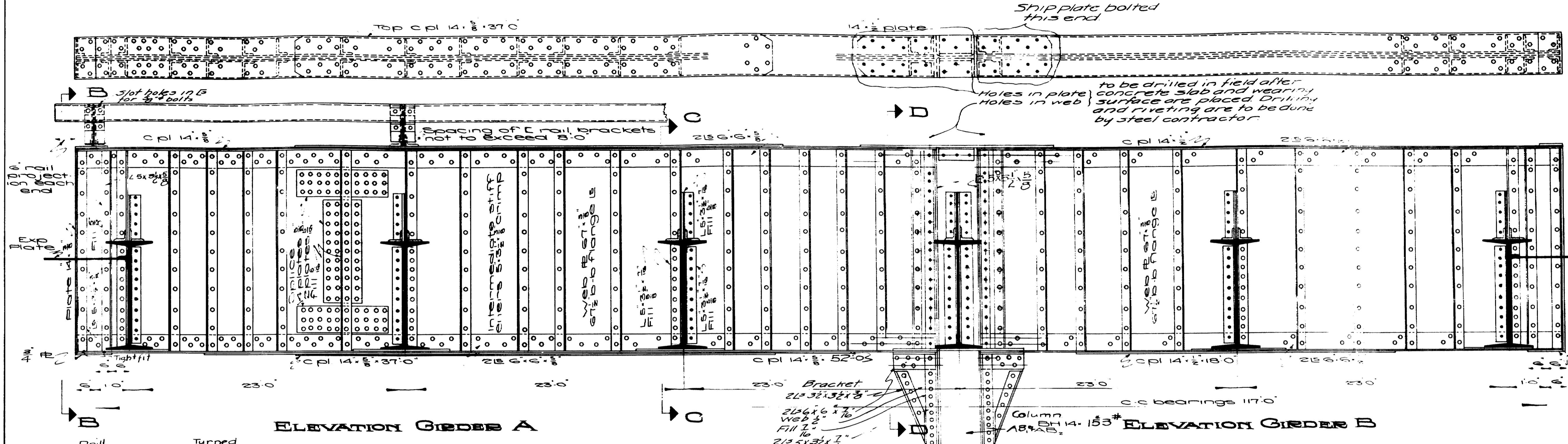


FLOORBEAM

DL	LL
59900	103300
230	230
59900	103300
230	230
59900	103300
230	230
59900	103300
230	230
59900	103300
230	230

Town-03.07
Bridge 2702

Maine Highway Commission
Bridge Division
FALMOUTH RAILROAD CROSSING
OVER THE TRACKS OF
MAINE CENTRAL R.R.
AND THE
PRESUMSCOT RIVER
IN THE TOWN OF
FALMOUTH
CUMBERLAND COUNTY
PLATE GIRDER DETAILS
Sheet 10 of 31 August 1932

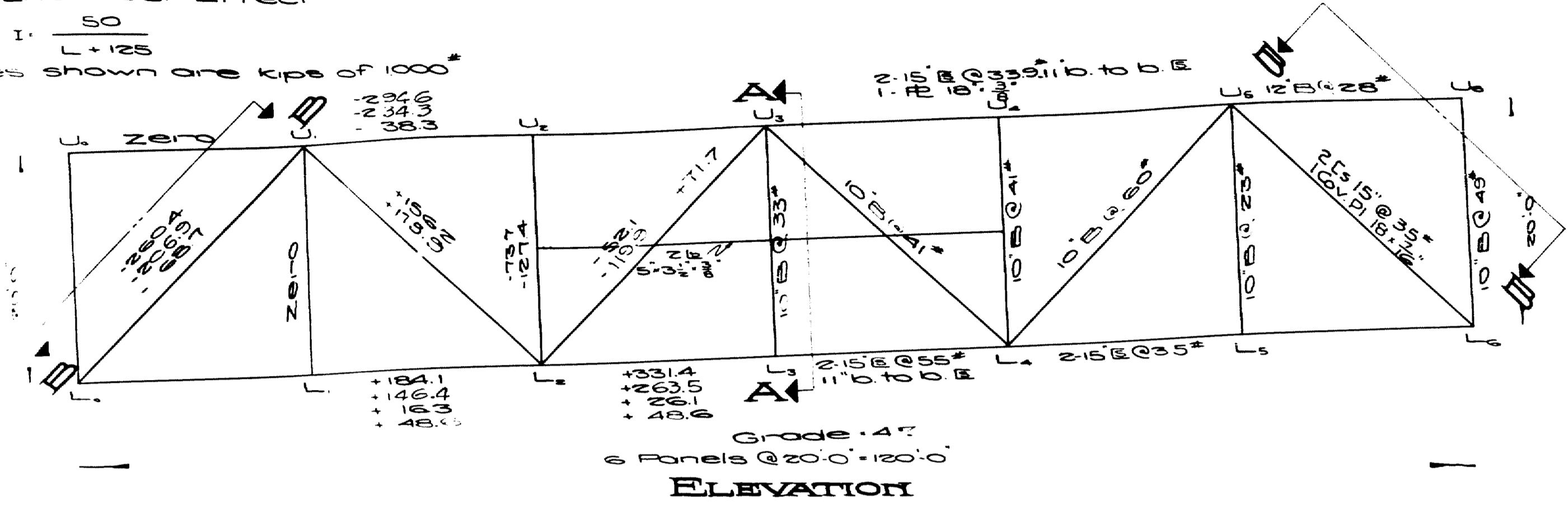


Town 03-07
 Bridge 2702

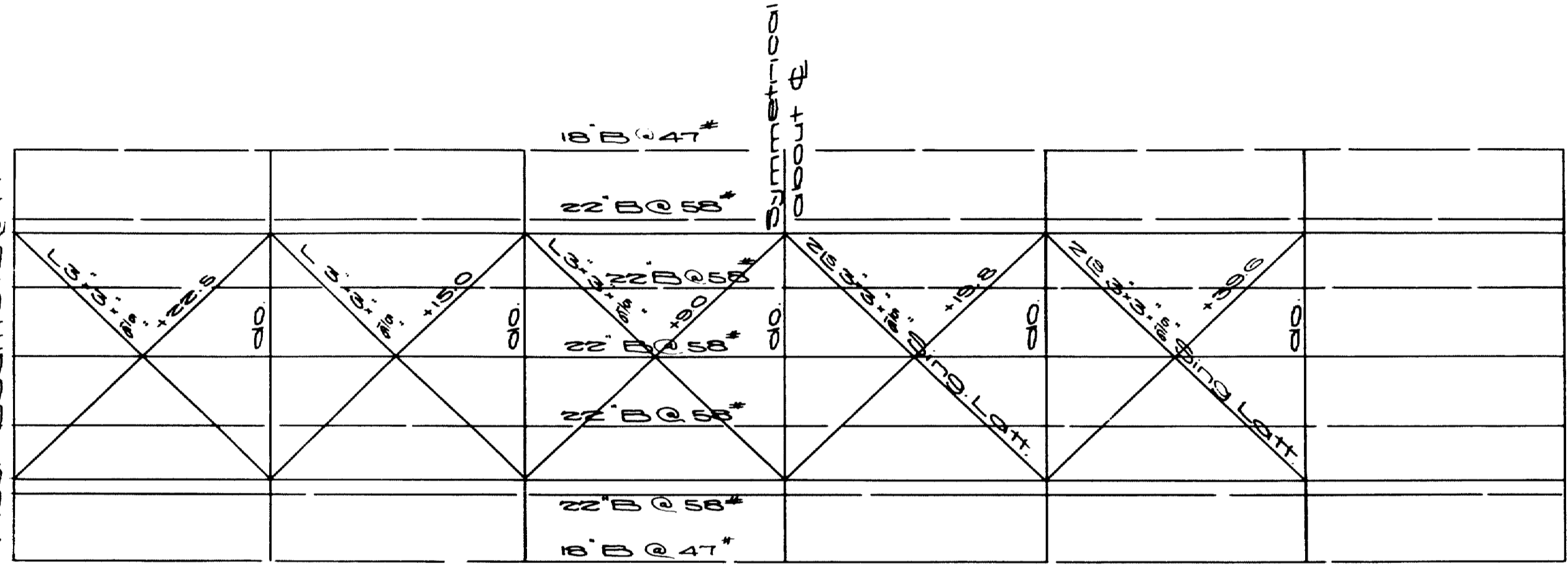
MAINE Highway Commission
 Bridge Division
FALMOUTH RAILROAD CROSSING
 OVER THE TRACKS OF
MAINE CENTRAL R.R.
 AND THE
PRESUMPSCOT RIVER
 IN THE TOWN OF
FALMOUTH
CUMBERLAND COUNTY
 PLATE GIRDER DETAILS
 Sheet 11 of 11 Augusta, Me 1932.

Stresses are given in the following order
 Dead Load
 Double Live Load plus Impact
 Wind
 End Post Effect
 I = $\frac{50}{L+125}$

Stresses shown are kips of 1000*



20'-0" Outside Str.
 18'-0" C.T.C. of Trusses
 5'-4" S.W. 5' S.E. 4" FLOOR BEAM 22" B @ 74"

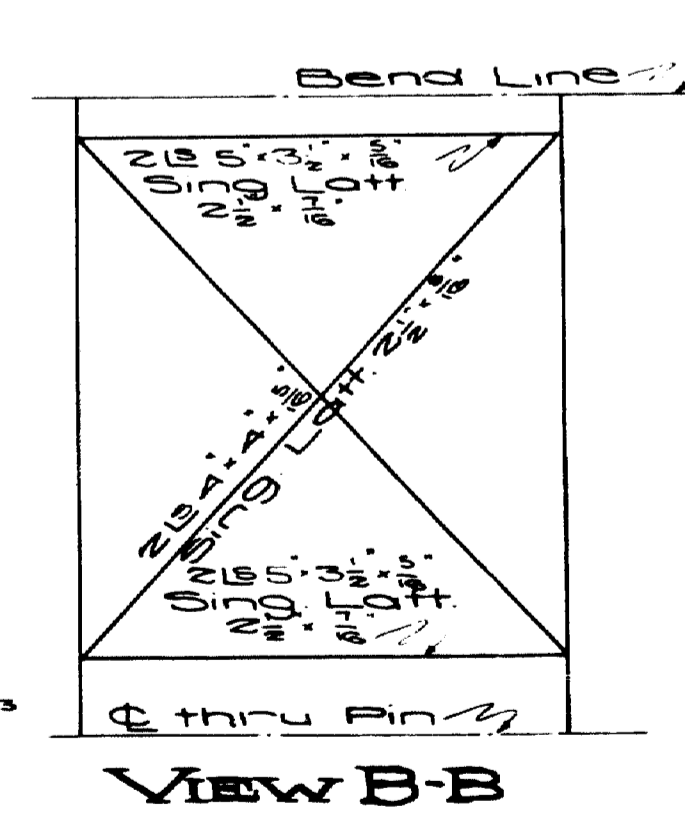
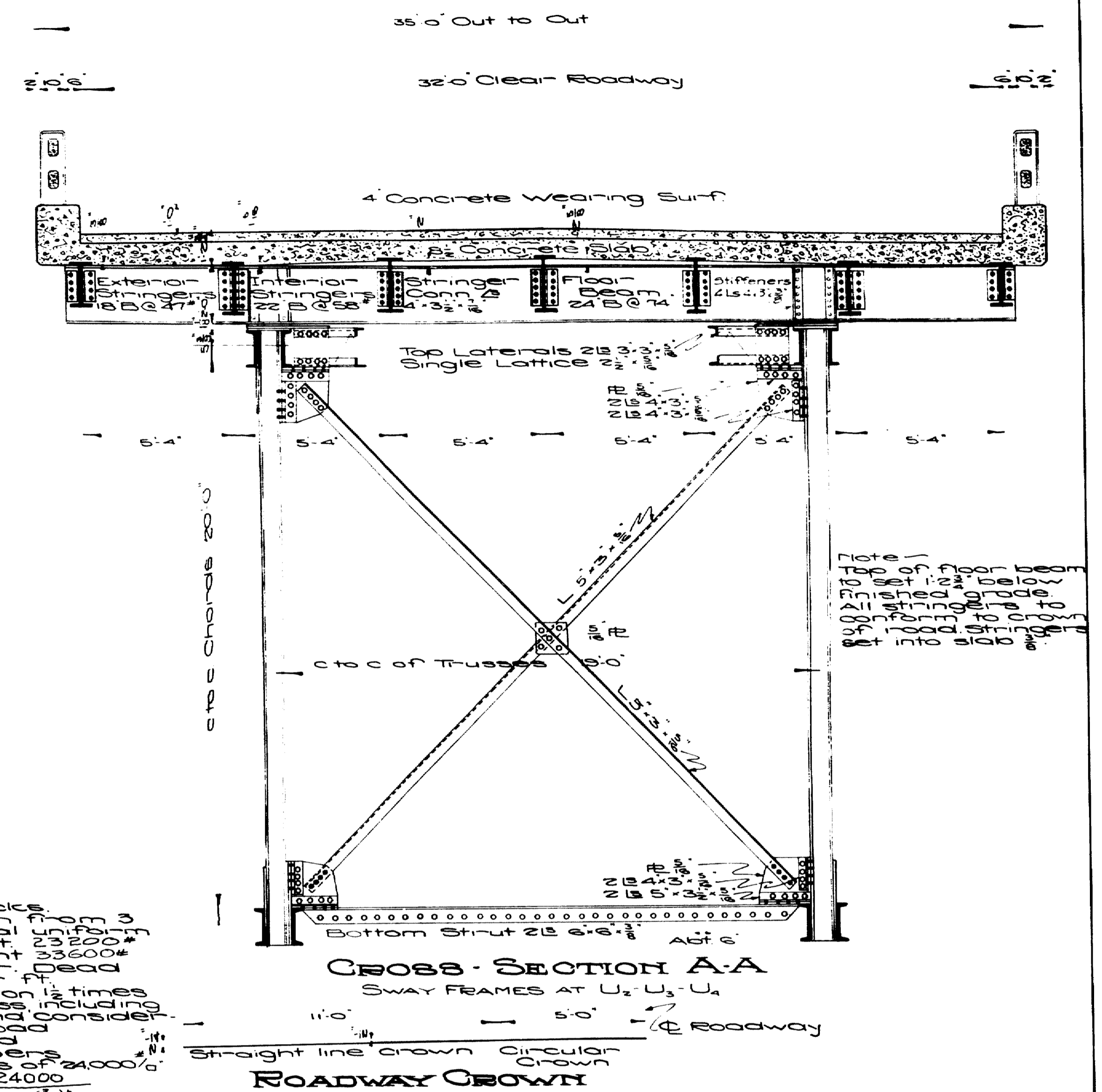
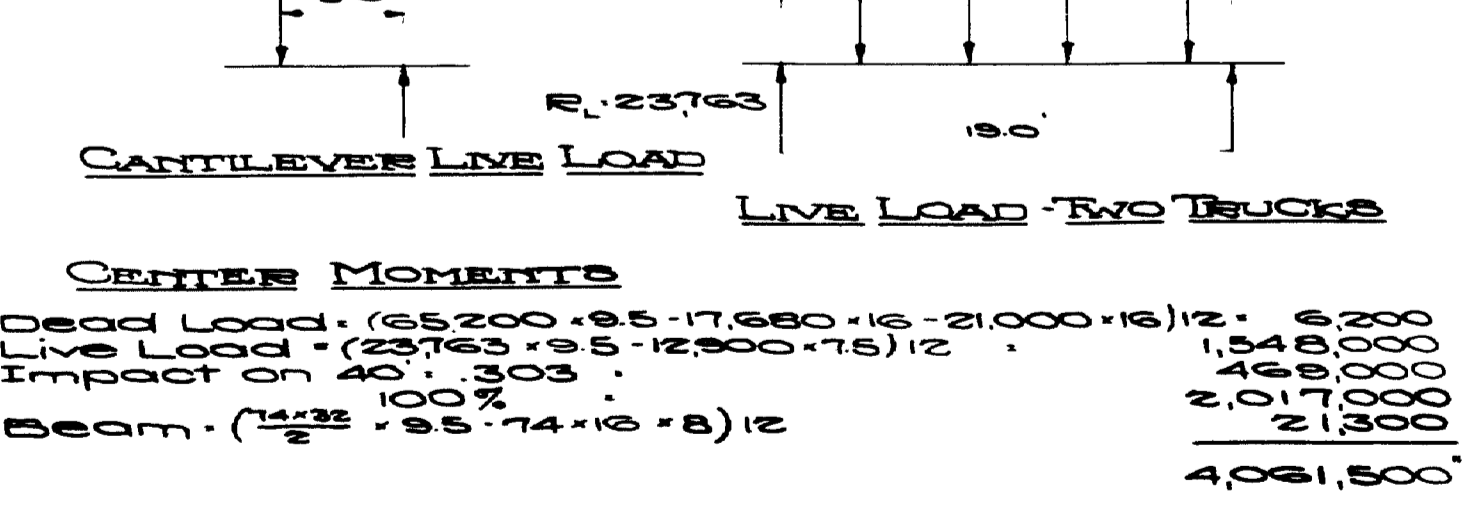
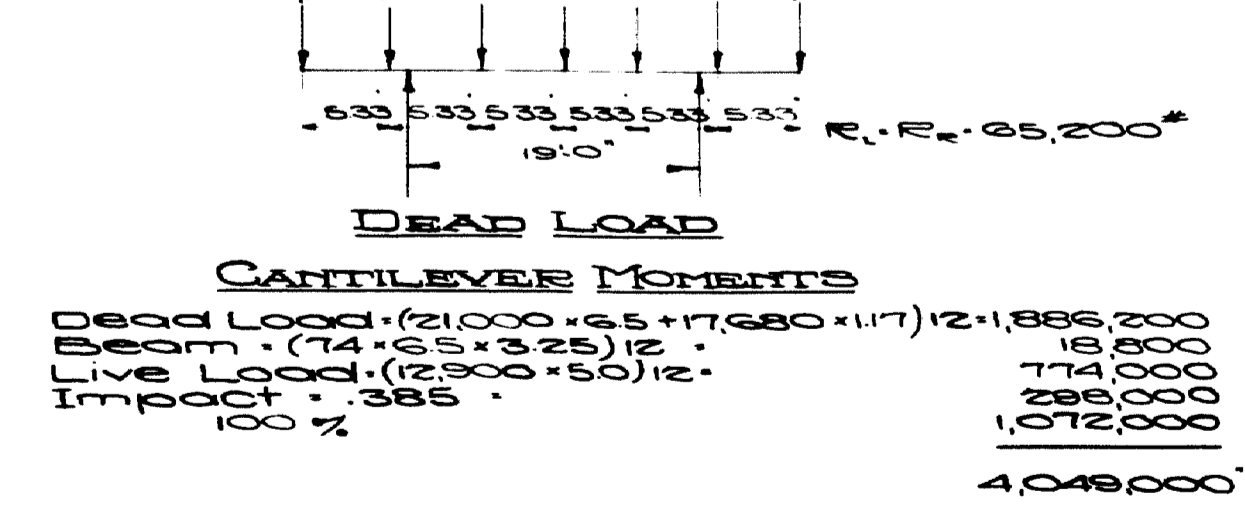


STRINGERS

INTERIOR
 Wearing Surf .266*
 Concrete Slab .560*
 Stringer .58*
 884 per lin. ft.
 Dead Load Moment $.884 \times 20 \times 15 = 262,400$ *
 Live Load .345 * 720,000 = 249,600*
 Impact .100% .147,000
 562,000*
 Required S. 1177.3
 Use 22" B @ 58" S @ 121.6"

EXTERIOR
 Out to Out Slab .440
 Wearing Surf .266
 Stringer .58
 1,244 per lin. ft.
 Dead Load Moment $1,244 \times 20 \times 15 = 373,200$ *
 Live Load .345 * 720,000 = 249,600*
 Impact .100% .147,000
 770,400*
 Required S. 342.3
 Use 18" B @ 47" S @ 85.1"

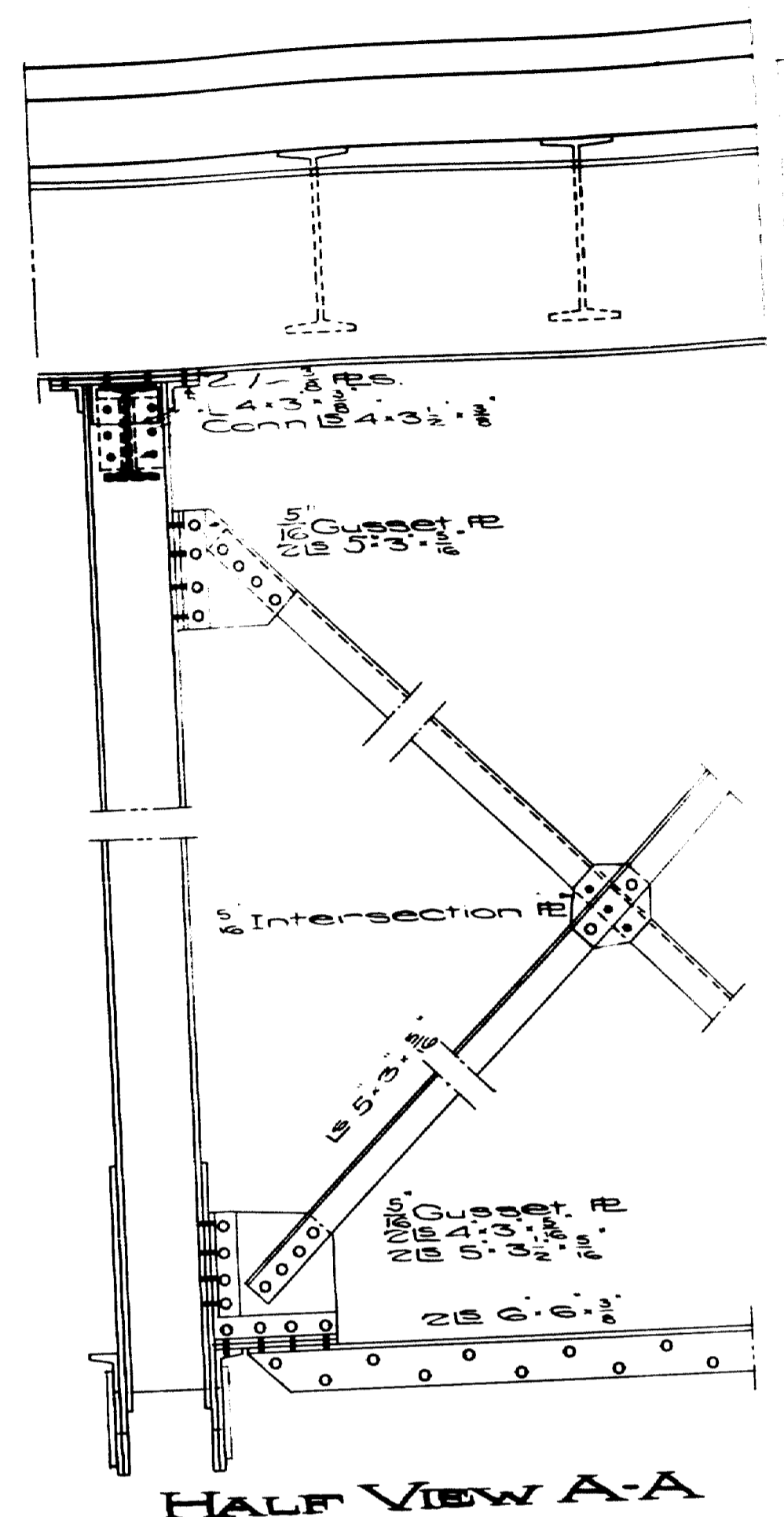
FLOOR BEAM



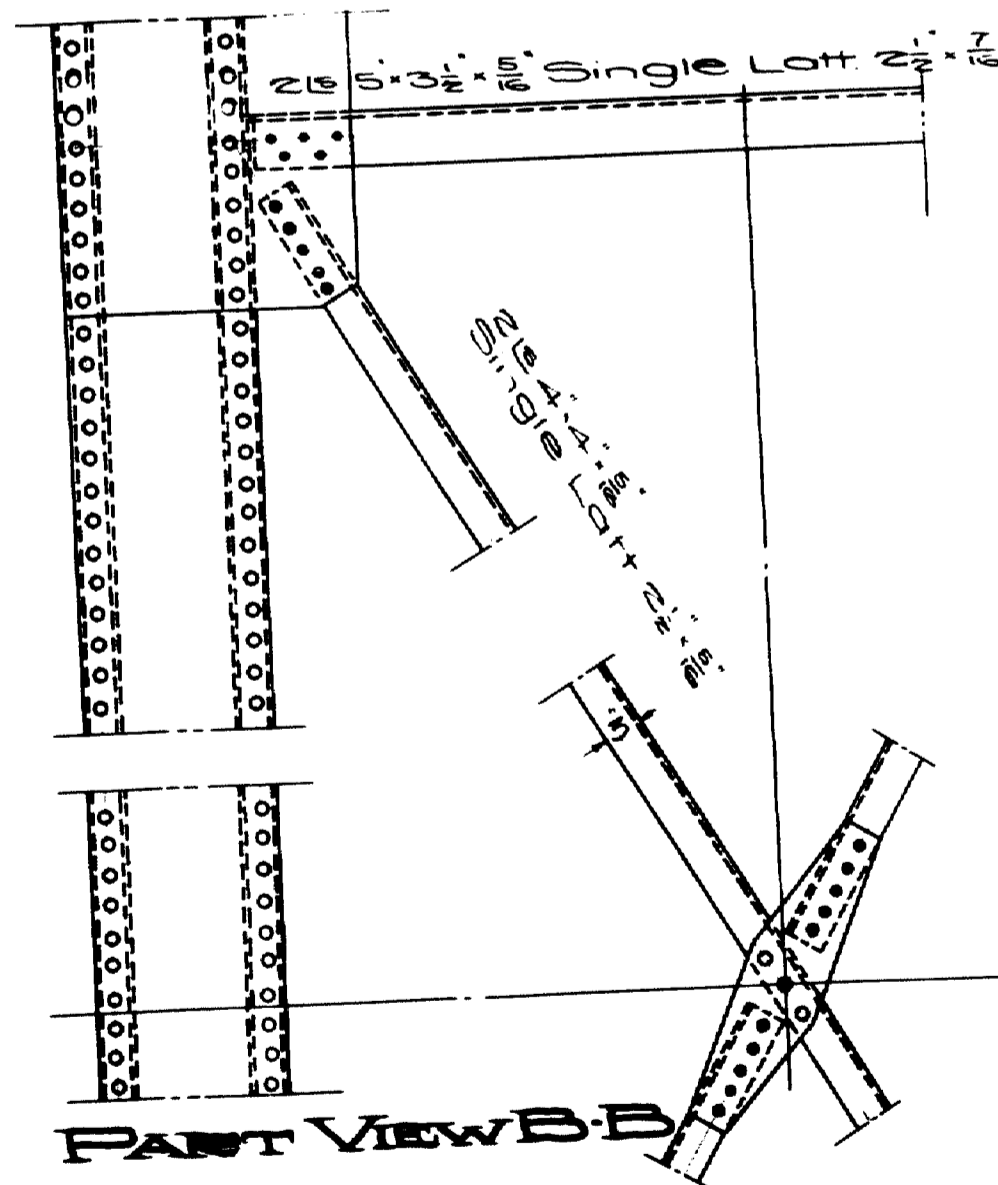
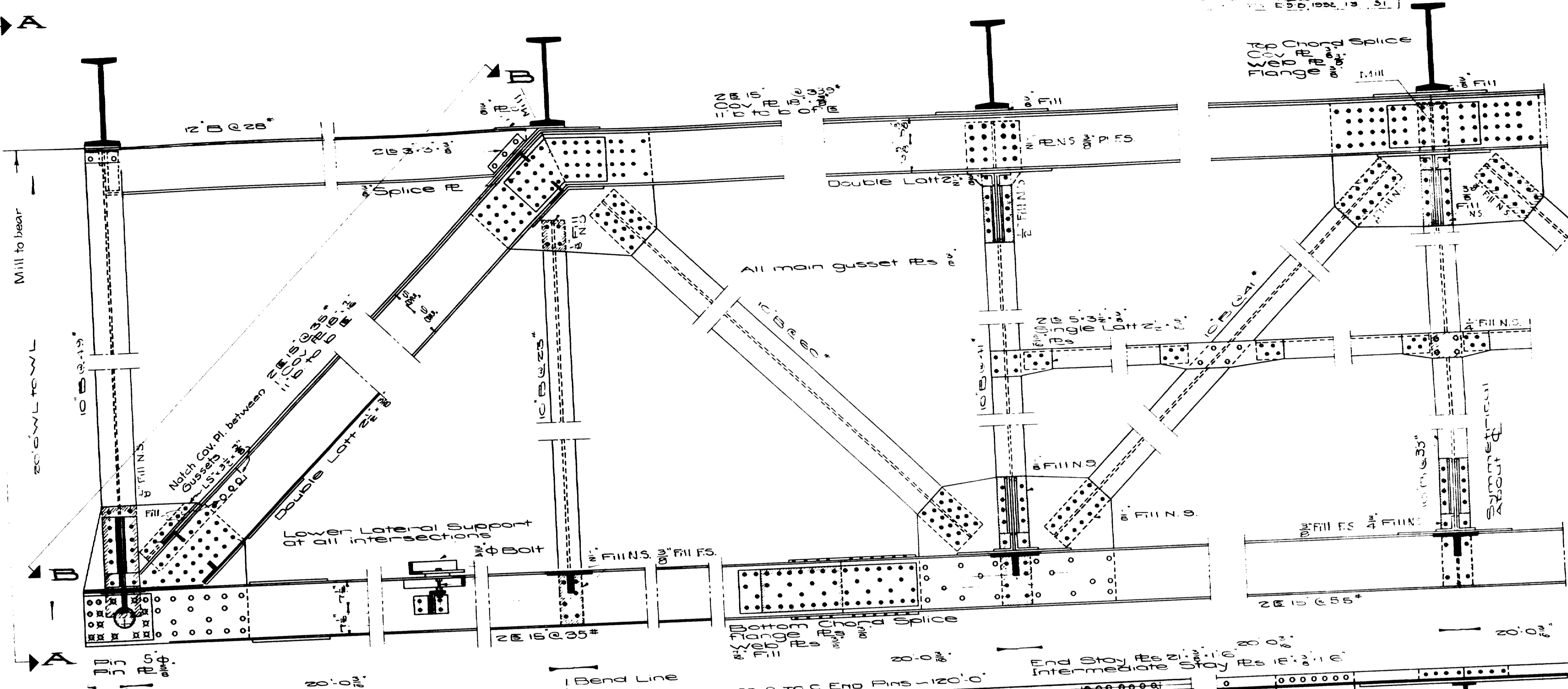
Note - Top of floor to rest of floor to be finished grade up forming road to set into slab.

Note - All field connections of main members to be shop punched and reamed. All rivets to be ϕ . All details shall be made in accordance with Maine Highway Commission Specifications for steel highway bridges. Other sections of equal strength may be substituted, but no payment will be made for additional weight caused thereby.

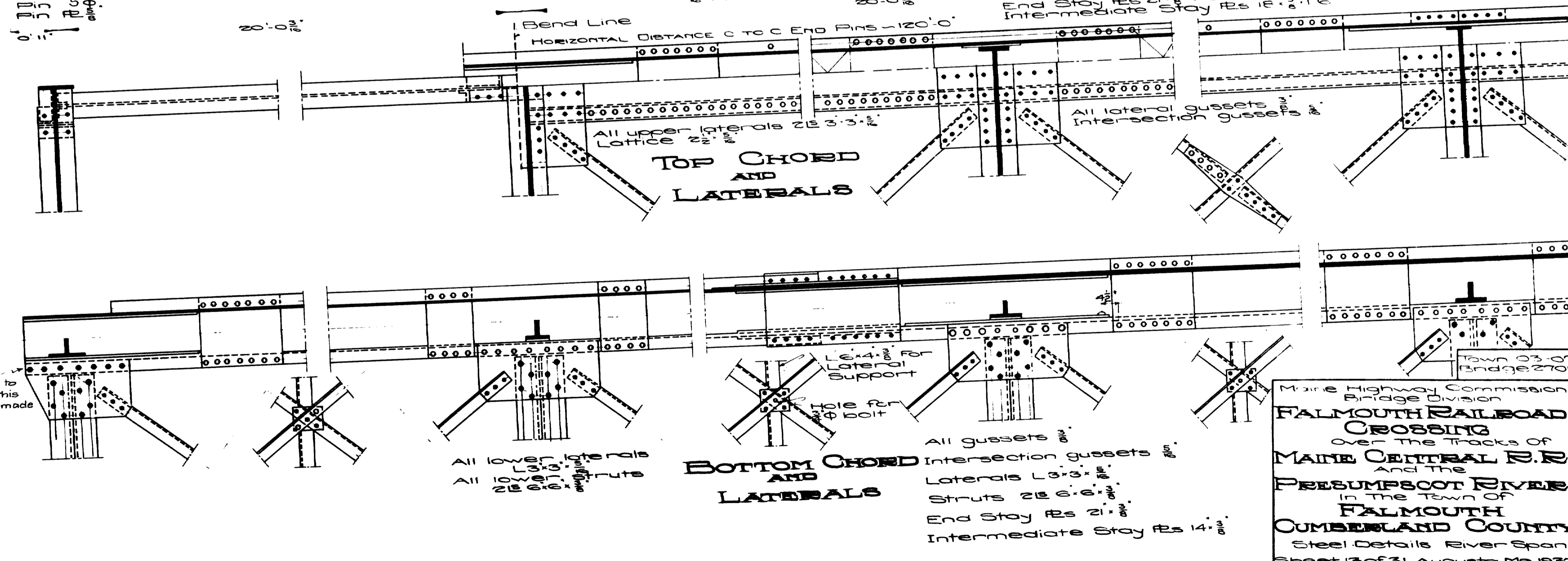
Town 103.07
 Bridge 102
 Maine Highway Commission
 Bridge Division
FALMOUTH RAILROAD
CROSSING
 OVER THE TRACKS OF
MAINE CENTRAL
RAILROAD
 AND THE
PRESUMPSCOT RIVER
 IN THE TOWN OF
FALMOUTH-CUMBERLAND
 Sheet 12 of 31 August, Me. 1932



HALF VIEW A-A



HALF VIEW B-B



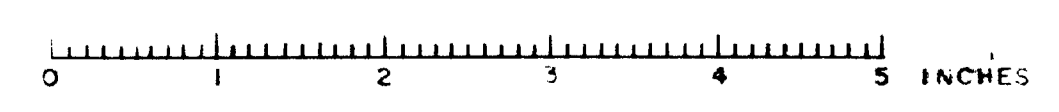
TOP CHORD AND LATERALS

BOTTOM CHORD AND LATERALS

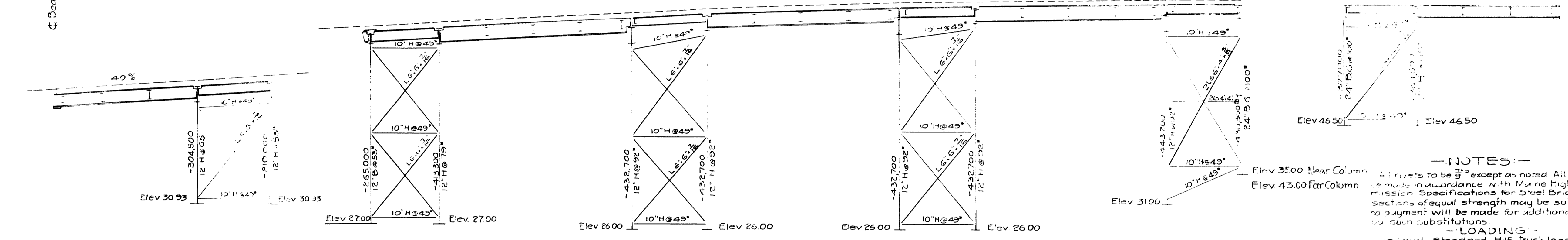
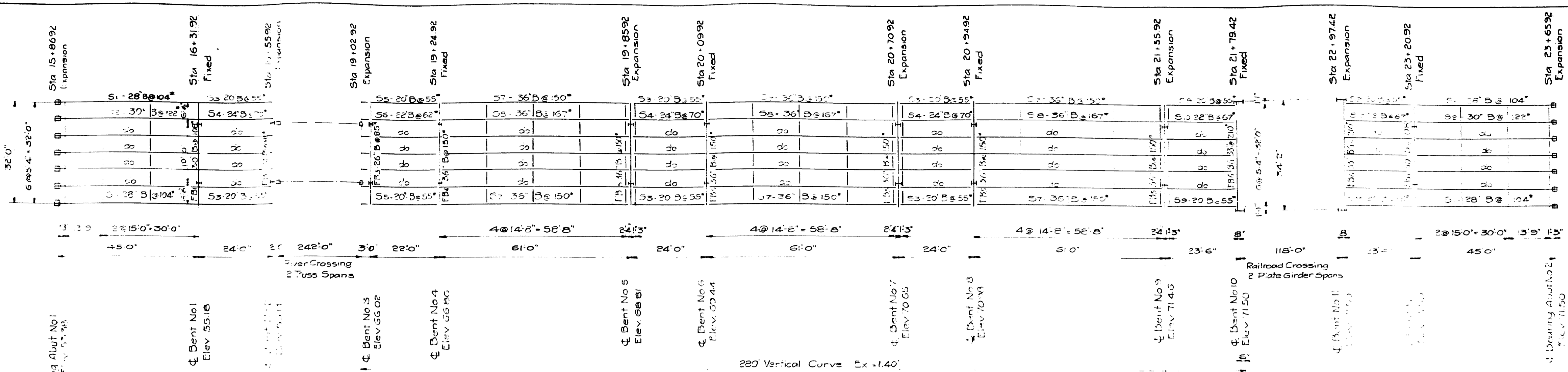
Anchor bolts to be set before this connection is made

All gussets 3/8"
 Intersection gussets 3/8"
 Laterals 1/2"
 Struts 2 1/2"
 End Stay 1/2"
 Intermediate Stay 1/2"

Main Highway Commission
 Bridge Division
FALMOUTH RAILROAD
CROSSING
 Over the Tracks of
MAINE CENTRAL R.R.
 And the
PRESUMPSCOT RIVER
 in the Town of
FALMOUTH
CUMBERLAND COUNTY
 Steel Details River Span
 Sheet 13 of 31 Augusta, Me. 1932



NO.	DATE	BY	REVISION
1			AS SHOWN



STRINGER	Reqd	Use
STRINGER S1	3-2780	Use 20# B @ 104" S-2647
STRINGER S2	5-3486	Use 30# B @ 122" S-3477
STRINGER S3	5-1072	Use 20# B @ 55" S-1072
STRINGER S4	5-1465	Use 23# B @ 70" S-1612
STRINGER S9	5-1003	Use 20# B @ 55" S-1072

STRINGER	Reqd	Use
STRINGER S5	3-955	Use 20# B @ 55" S-1072
STRINGER S6	5-1319	Use 22# B @ 62" S-1325
STRINGER S7	5-4577	Use 35# B @ 150" S-5075
STRINGER S8	5-5460	Use 36# B @ 167" S-5687
STRINGER S10	5-1379	Use 22# B @ 67" S-1456

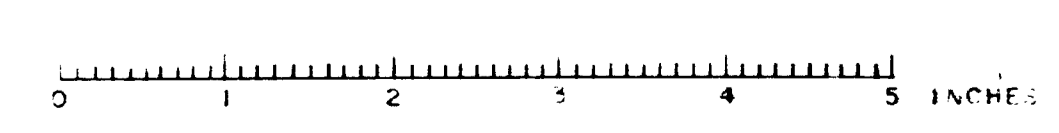
FLOOR BEAM	Reqd	Use
FLOOR BEAM FB1	5-2315	Use 25# B @ 108" S-3070
FLOOR BEAM FB2	5-1810	Use 24# B @ 81" S-1898

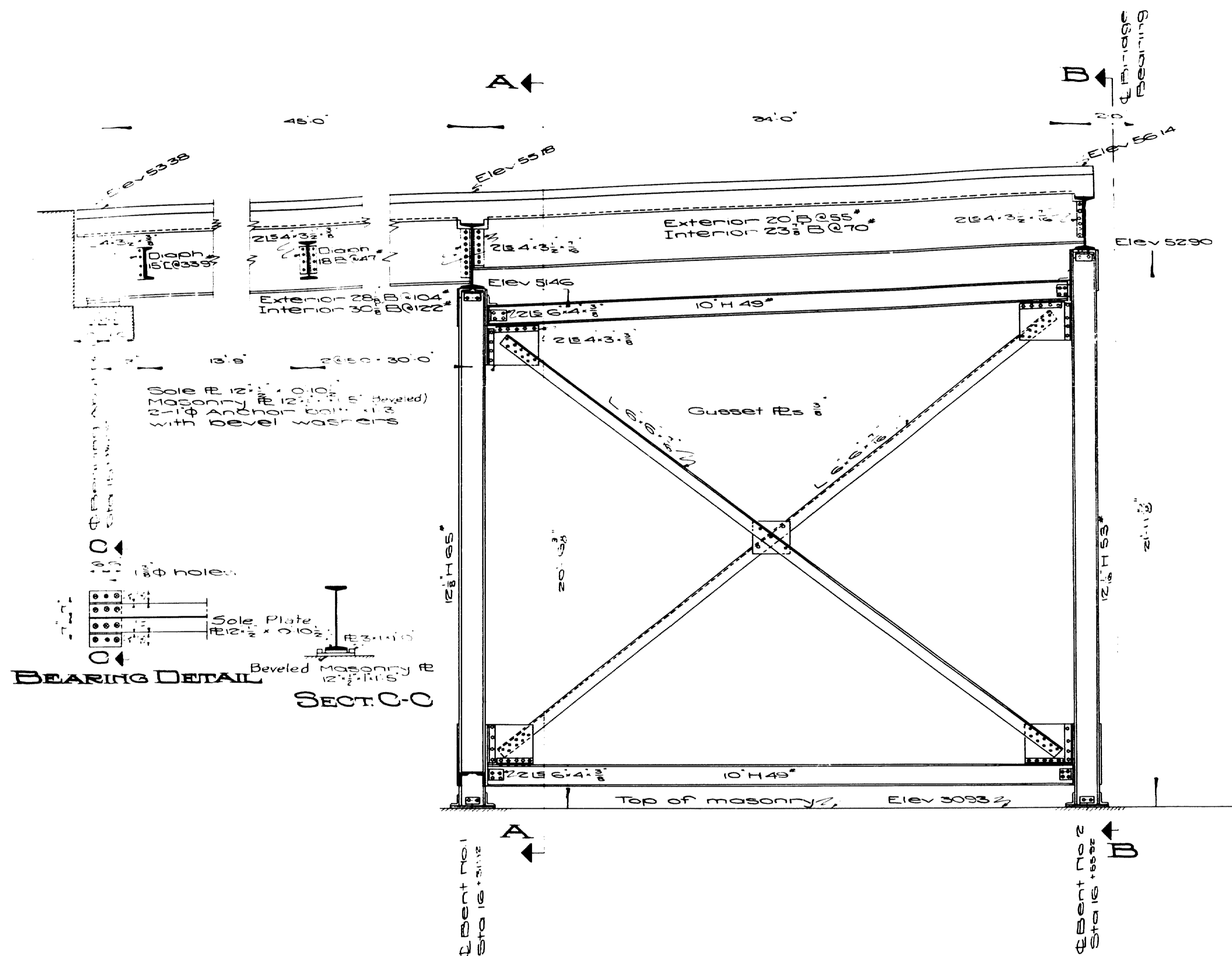
FLOOR BEAM	Reqd	Use
FLOOR BEAM FB3	5-2058	Use 26# B @ 85" S-2141
FLOOR BEAM FB4	5-2810	Use 35# B @ 150" S-5075

FLOOR BEAM	Reqd	Use
FLOOR BEAM FB5	5-2859	Use 30# B @ 150" S-5075
FLOOR BEAM FB6	5-6910	Use 33# B @ 210" S-7032

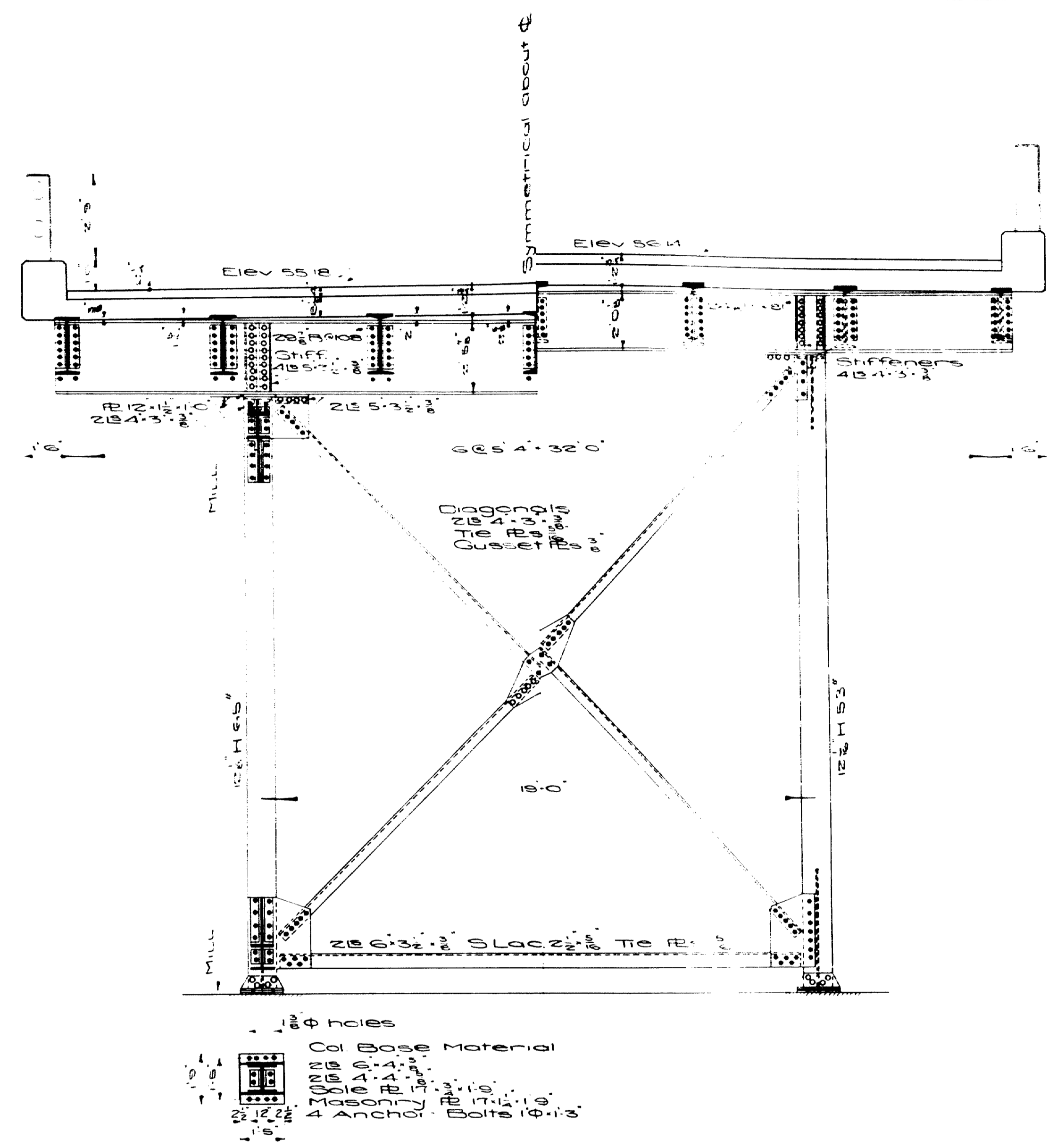
NOTES:
 All rivets to be 3" except as noted. All details shall be made in accordance with Maine Highway Commission Specifications for Steel Bridges. Other sections of equal strength may be substituted, but no payment will be made for additional weight caused by such substitutions.
LOADING:
 Live load - Standard H15 Truck loading on three lanes impact 1.75 where L loaded length in ft. Wind - 50# per sq ft on 1/2 times the area of the structure as seen in side elevation. Longitudinal load - 10% of live load plus impact on windward between expansion joints considered as a uniform load of 734# per linear ft plus a concentration of 20600#, the force applied 4 feet above the floor.
 Live load impact and longitudinal stresses increased 100%. Wind stresses increased 50%.
 Unit stresses - Tension 24,000 psi
 Compression 24,000 psi
 15,500 psi

MAINE HIGHWAY COMMISSION
 BRIDGE DIVISION
FALMOUTH RAILROAD CROSSING
 OVER THE TRACKS OF
MAINE CENTRAL R.R.
 AND THE
PRESUMPSCOT RIVER
 IN THE TOWN OF
FALMOUTH
CUMBERLAND COUNTY
 GENERAL LAYOUT - APPROACH SPANS
 SHEET 14 OF 31 AUGUSTA, ME, 1932





PART LONGITUDINAL SECTION

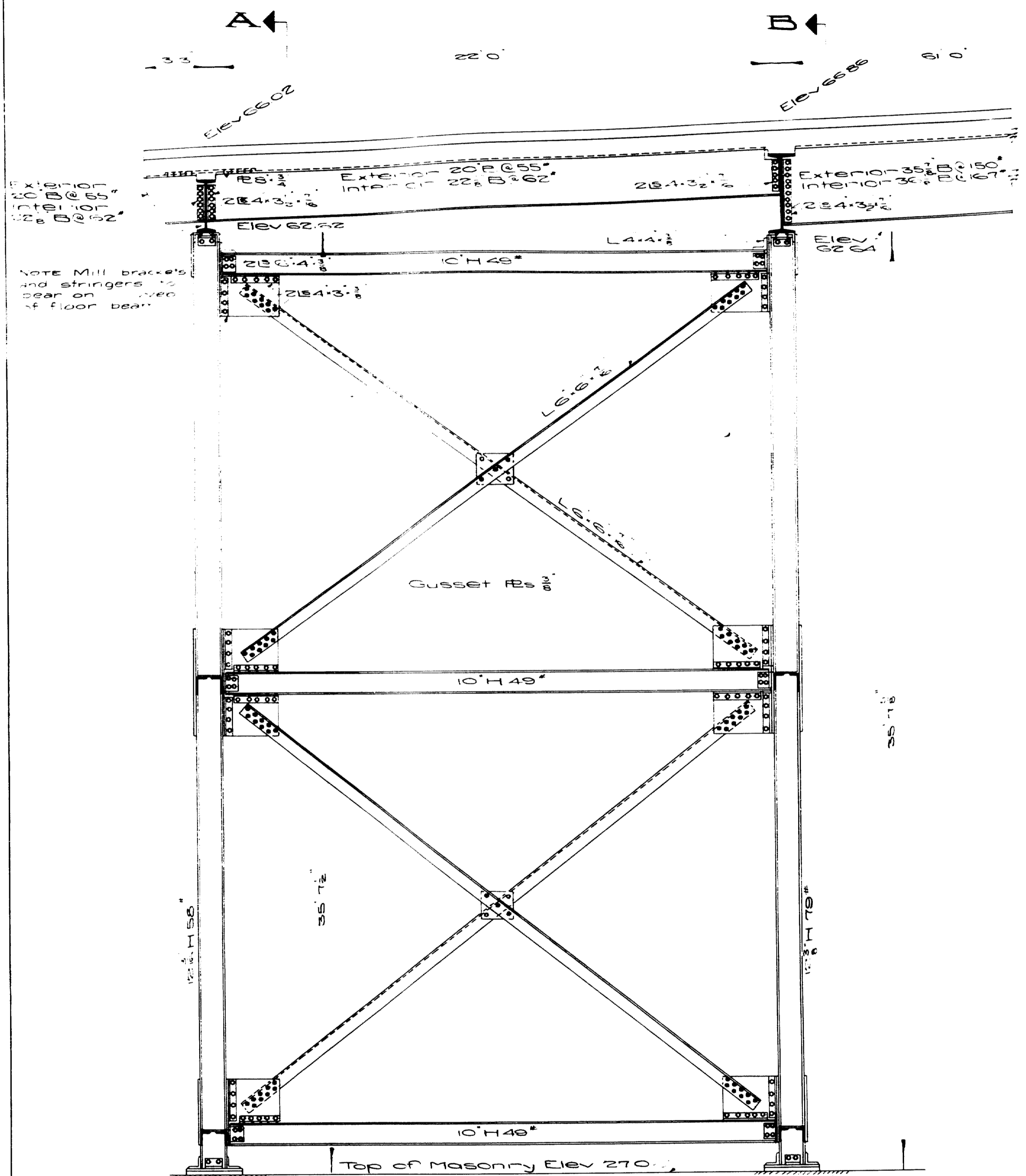


HALF SECTION A-A HALF SECTION B-B

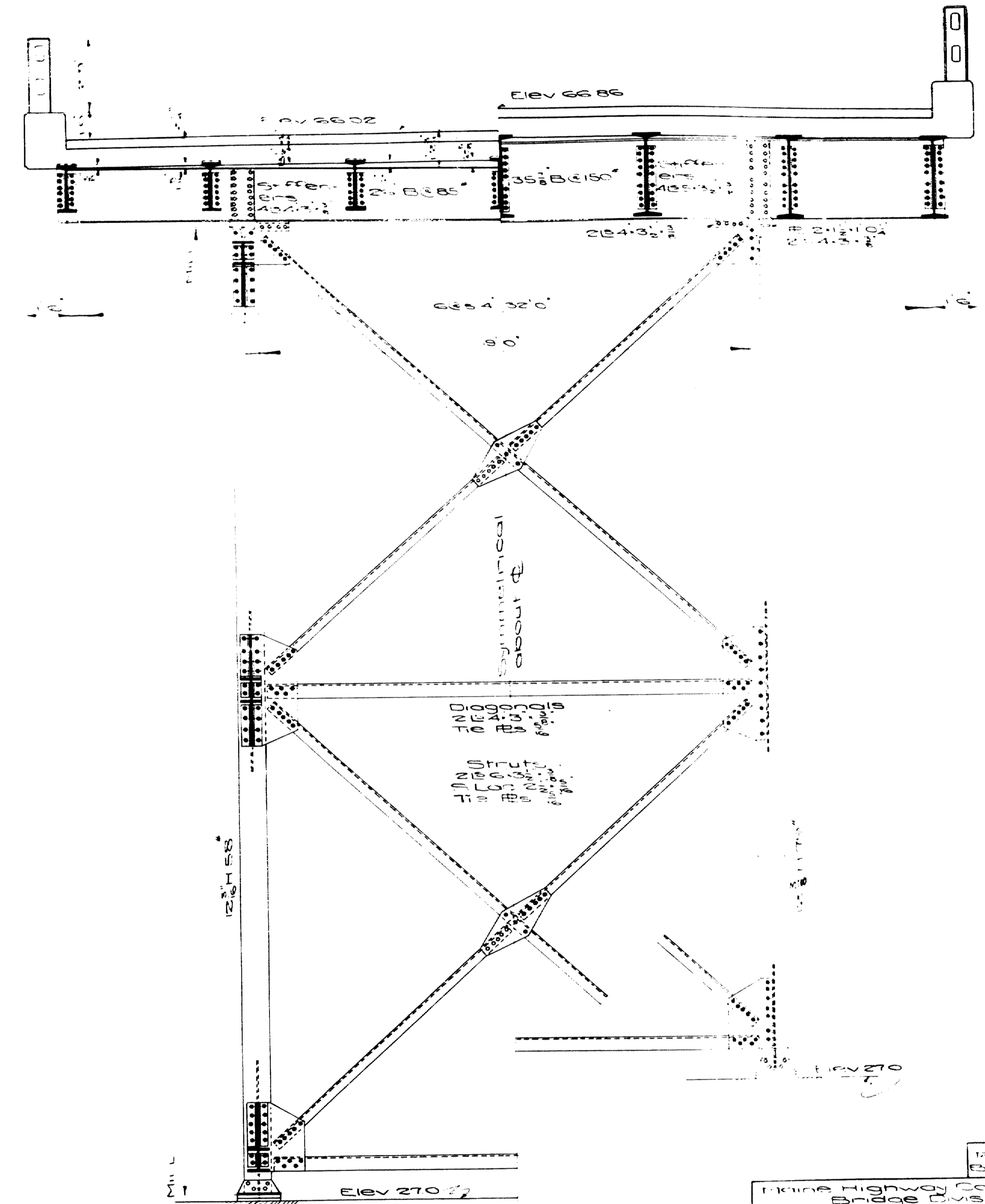
Town 03-07
Bridge 2702

Maine Highway Commission
Bridge Division
**FALMOUTH RAILROAD
CROSSING**
OVER THE TRACKS OF
MAINE CENTRAL R. R.
AND THE
PRESUMPSCOT RIVER
IN THE TOWN OF
FALMOUTH
CUMBERLAND COUNTY
Bents #1 & 2 Steel Details
Sheet 5 of 31 Augusta, Me. 1932.





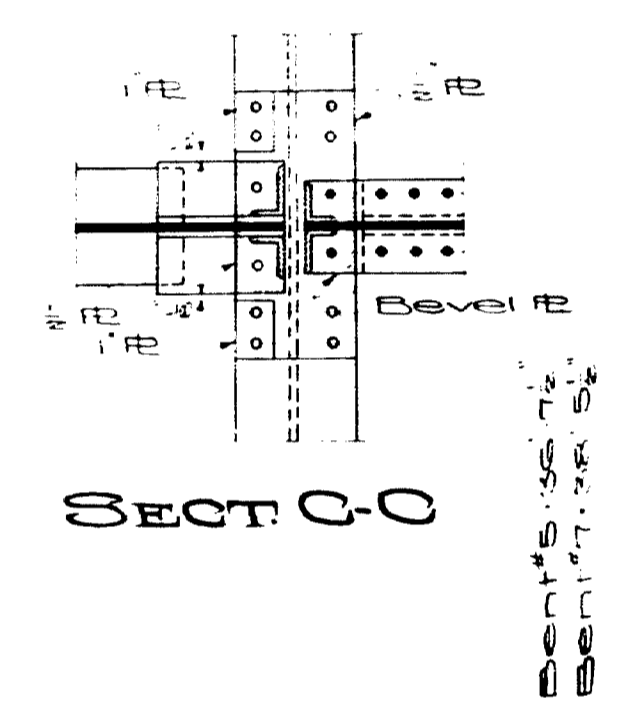
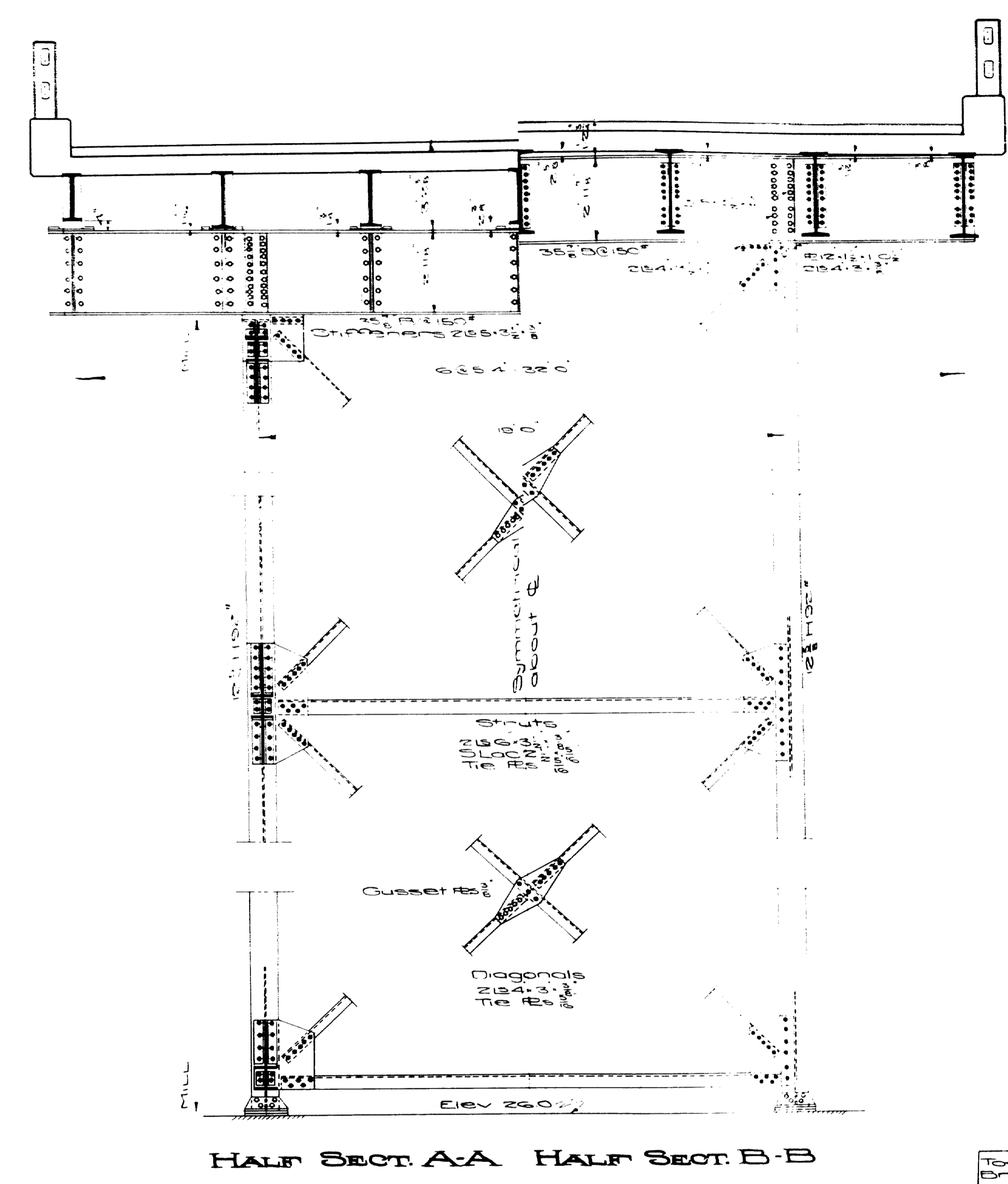
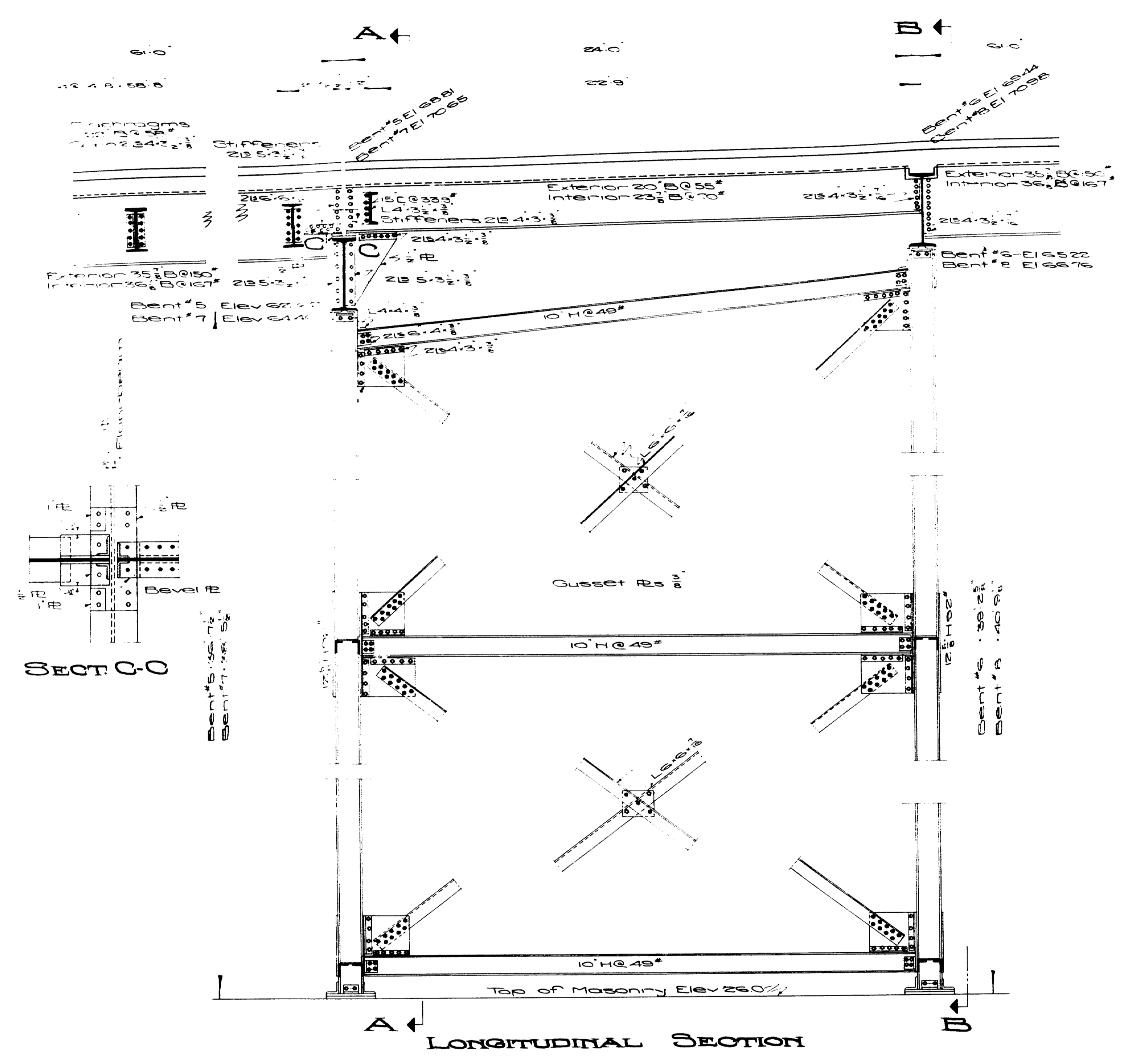
LONGITUDINAL SECTION



HALF SECT. A-A HALF SECT. B-B

- 2 1/2" holes
- 20# Base Material
- 10# 4" x 4" x 1/2"
- Masonry RB 15" x 15" x 21"
- 4 Anchor Bolts 1 1/2" x 3"

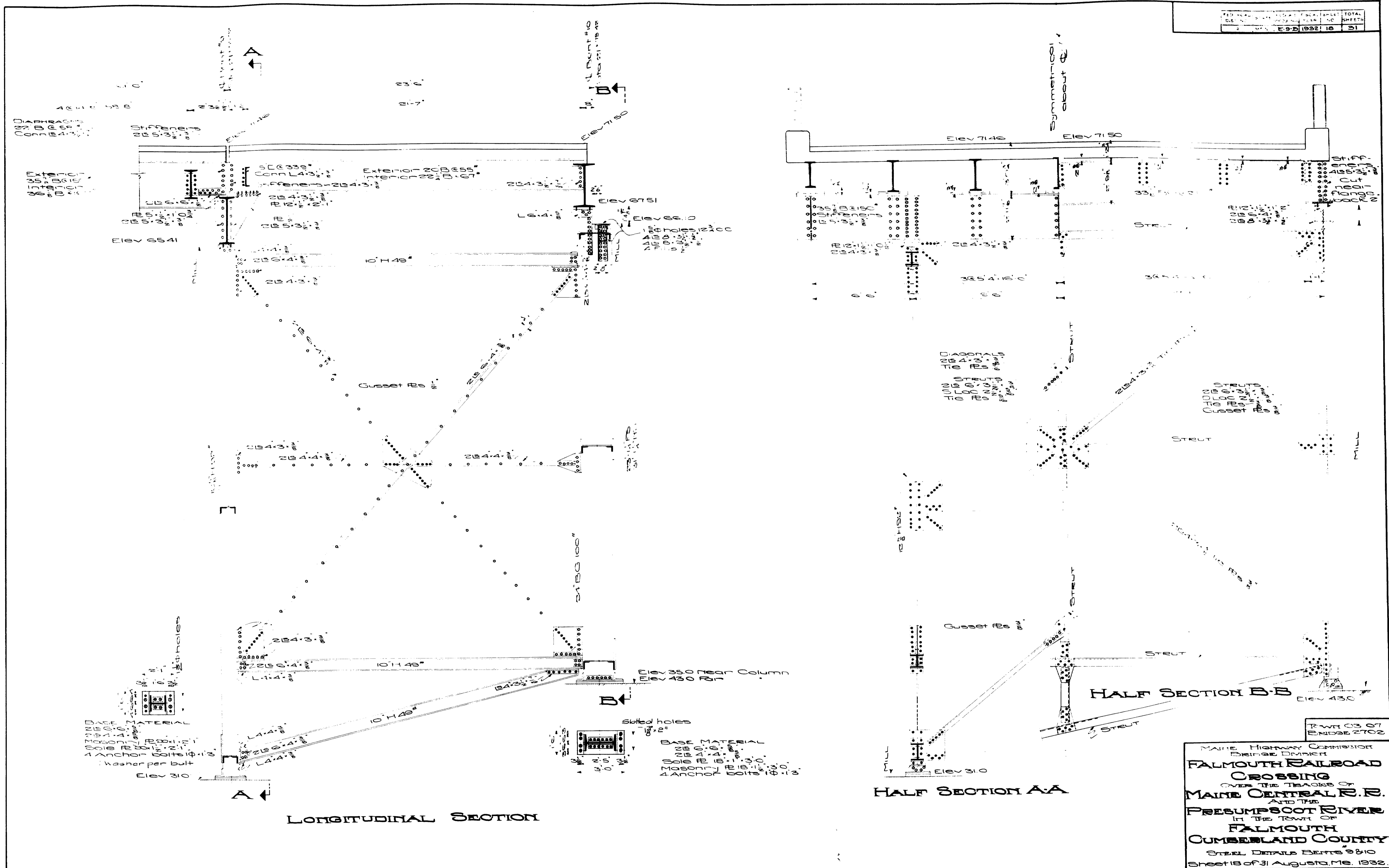
Maine Highway Commission
 Bridge Division
FALMOUTH RAILROAD
 CROSSING
 OVER THE TRACKS OF
MAINE CENTRAL R.R.
 AND THE
PRESUMSCOT RIVER
 IN THE TOWN OF
FALMOUTH
CUMBERLAND COUNTY
 BENTS #3 AND #4
 Sheets of August 11, 1932



- 1/4\"/>

Town 03-07
 Bridge 2702
 Maine Highway Commission
 Bridge Division
FALMOUTH RAILROAD
CROSSING
 Over the Tracks of
MAINE CENTRAL R.R.
 And the
PRESUMPSCOT RIVER
 in the Town of
FALMOUTH
CUMBERLAND COUNTY
 Steel Details Bents 5, 7 & 8
 Sheet 17 of 31 Augusta, Me. 1932

FED. ROAD DIST. NO.	PROJECT NO.	DATE	TOTAL SHEETS
1	1932	18	31



BASE MATERIAL
 2" x 4" x 1/2"
 Masonry 18" x 18" x 2"
 2 Anchor bolts 1/2" x 18"
 1 Washer per bolt
 Elev 310

Slotted holes
 1/2" x 2"
 BASE MATERIAL
 2" x 4" x 1/2"
 Masonry 18" x 18" x 2"
 2 Anchor bolts 1/2" x 18"
 1 Washer per bolt
 Elev 310

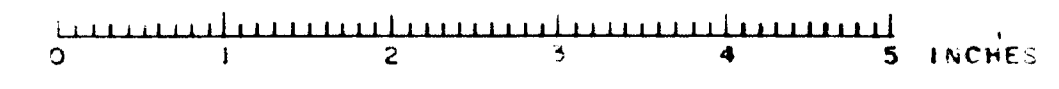
LONGITUDINAL SECTION

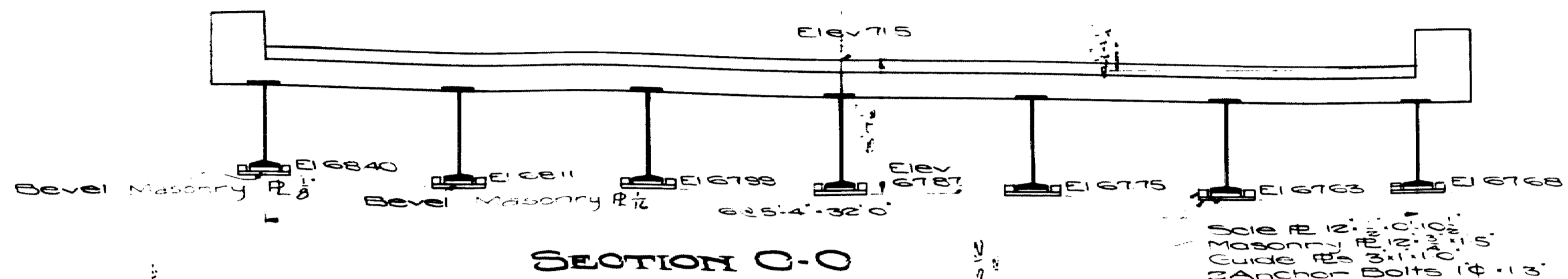
HALF SECTION A-A

HALF SECTION B-B

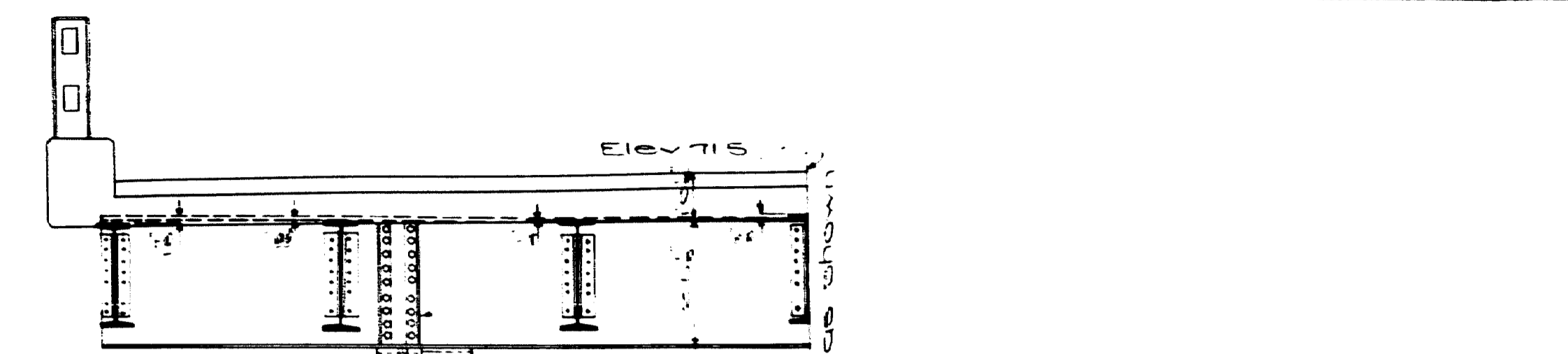
MAINE HIGHWAY COMMISSION
 Bridge District
FALMOUTH RAILROAD
CROSSING
 OVER THE TRACKS OF
MAINE CENTRAL R.R.
 AND THE
PRESUMSCOT RIVER
 IN THE TOWN OF
FALMOUTH
CUMBERLAND COUNTY
 STEEL DETAILS BENTS 9810
 Sheet 18 of 31 Augusta, Me. 1932.

PRINTED BY
 BENTON & BOWEN

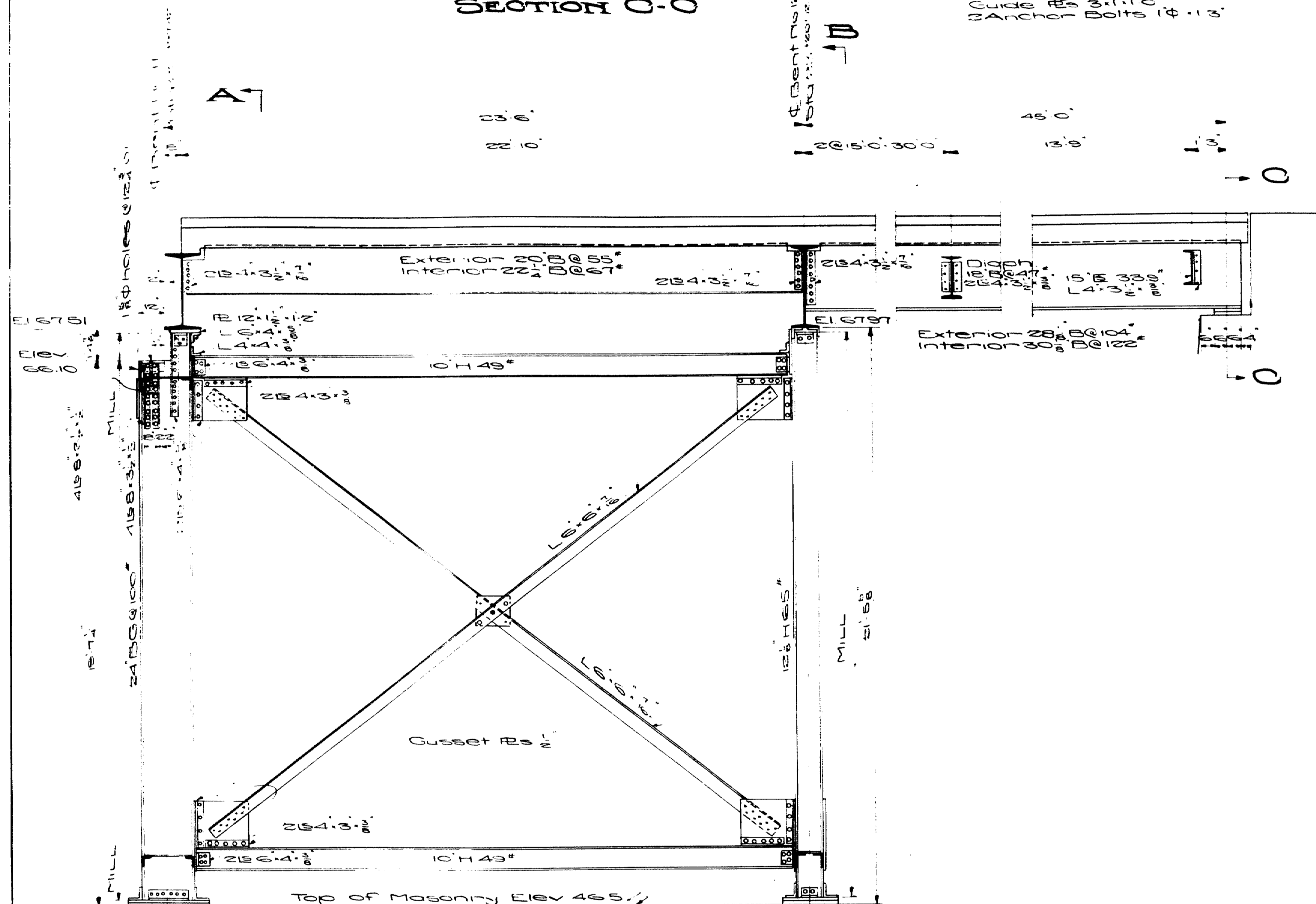




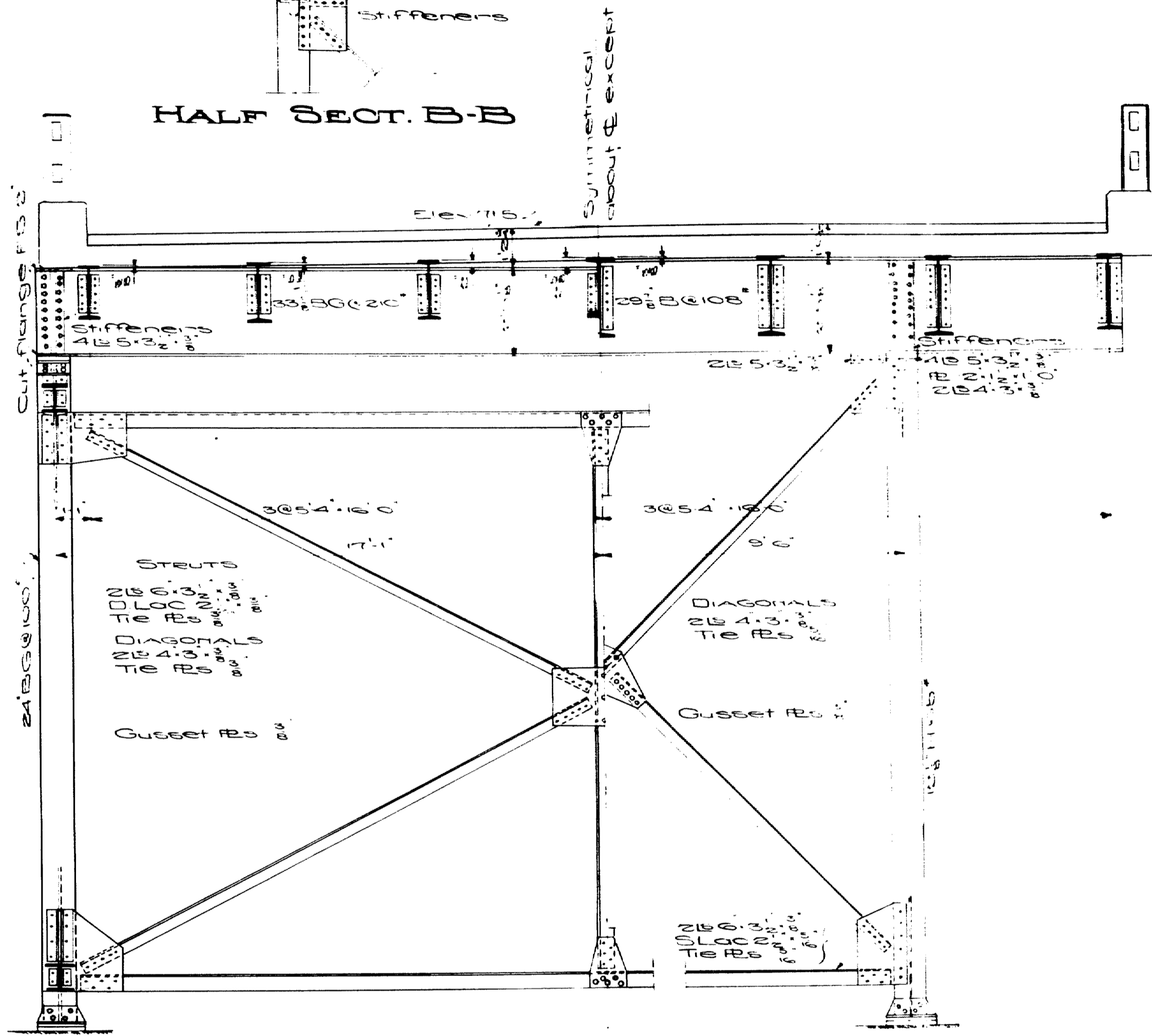
SECTION O-O



HALF SECT. B-B



A LONGITUDINAL SECTION



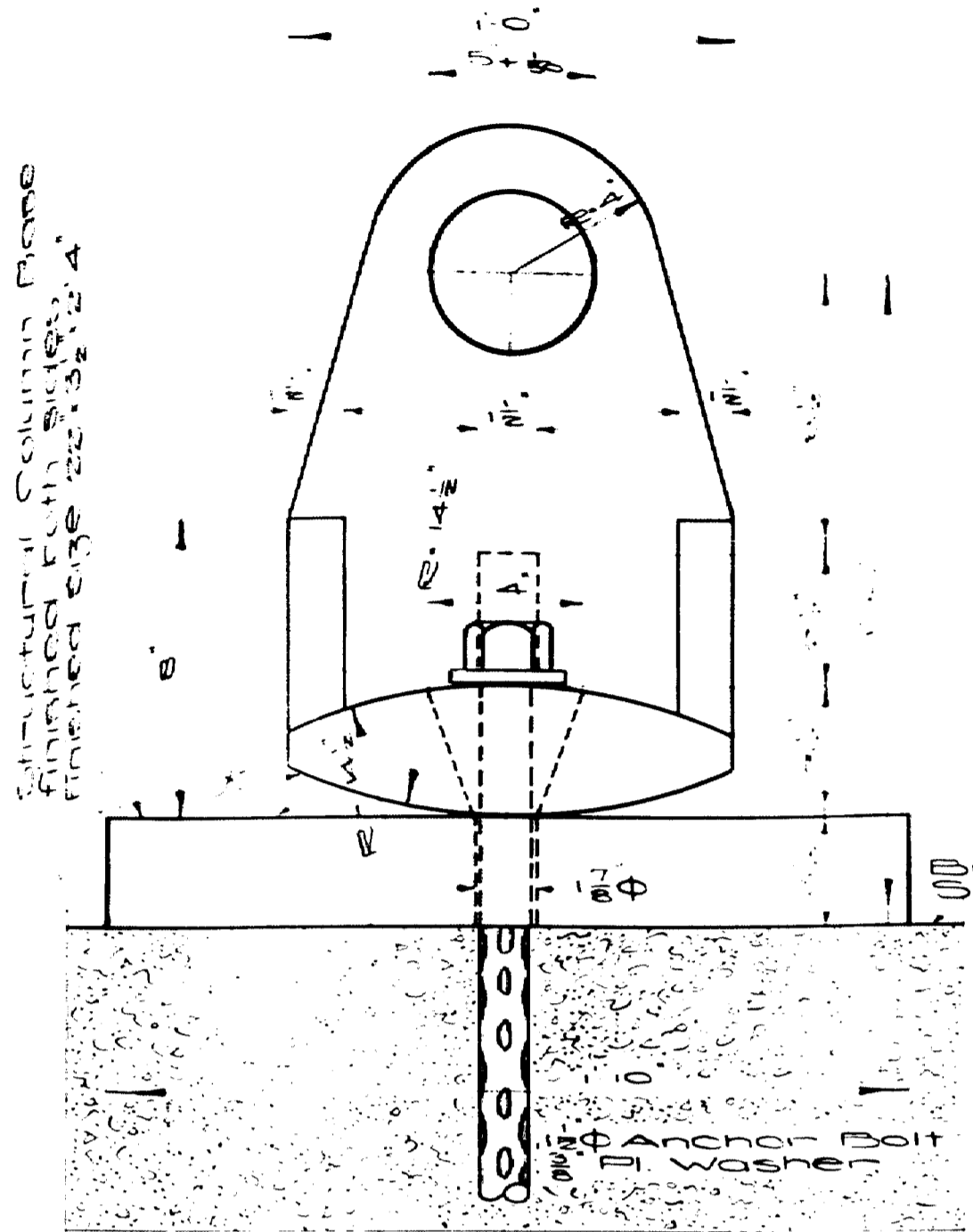
HALF SECTION A-A

HALF SECT. B-B

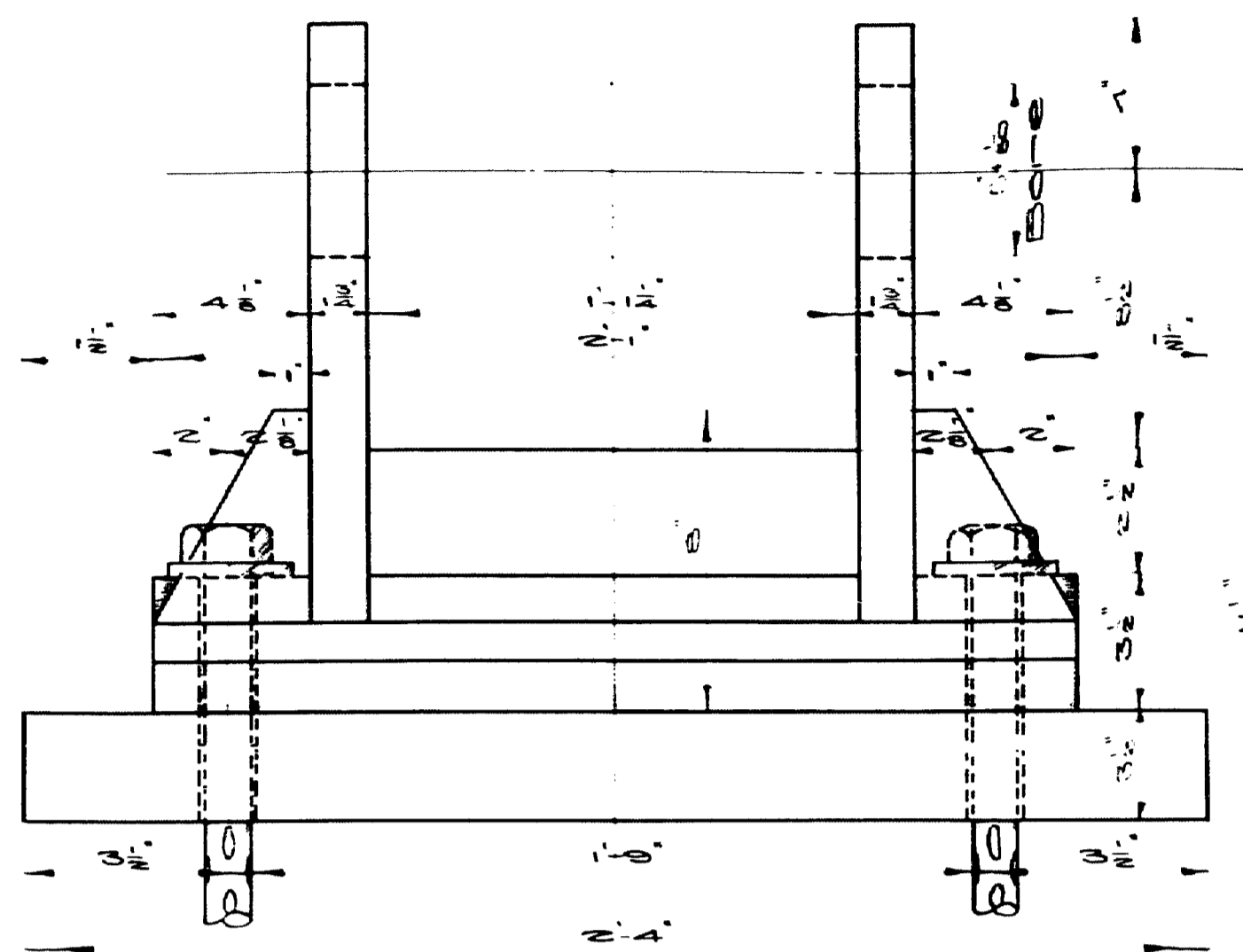
BASE MATERIAL
 2B 40.4
 2B 4.4
 Sole Pl 15.30
 Masonry Pl 12.30
 4 Anchor Bolts 4"x13" (1 washer per bolt)

BASE MATERIAL
 2B 40.4
 2B 4.4
 Sole Pl 15.30
 Masonry Pl 12.30
 4 Anchor Bolts 4"x13" (1 washer per bolt)

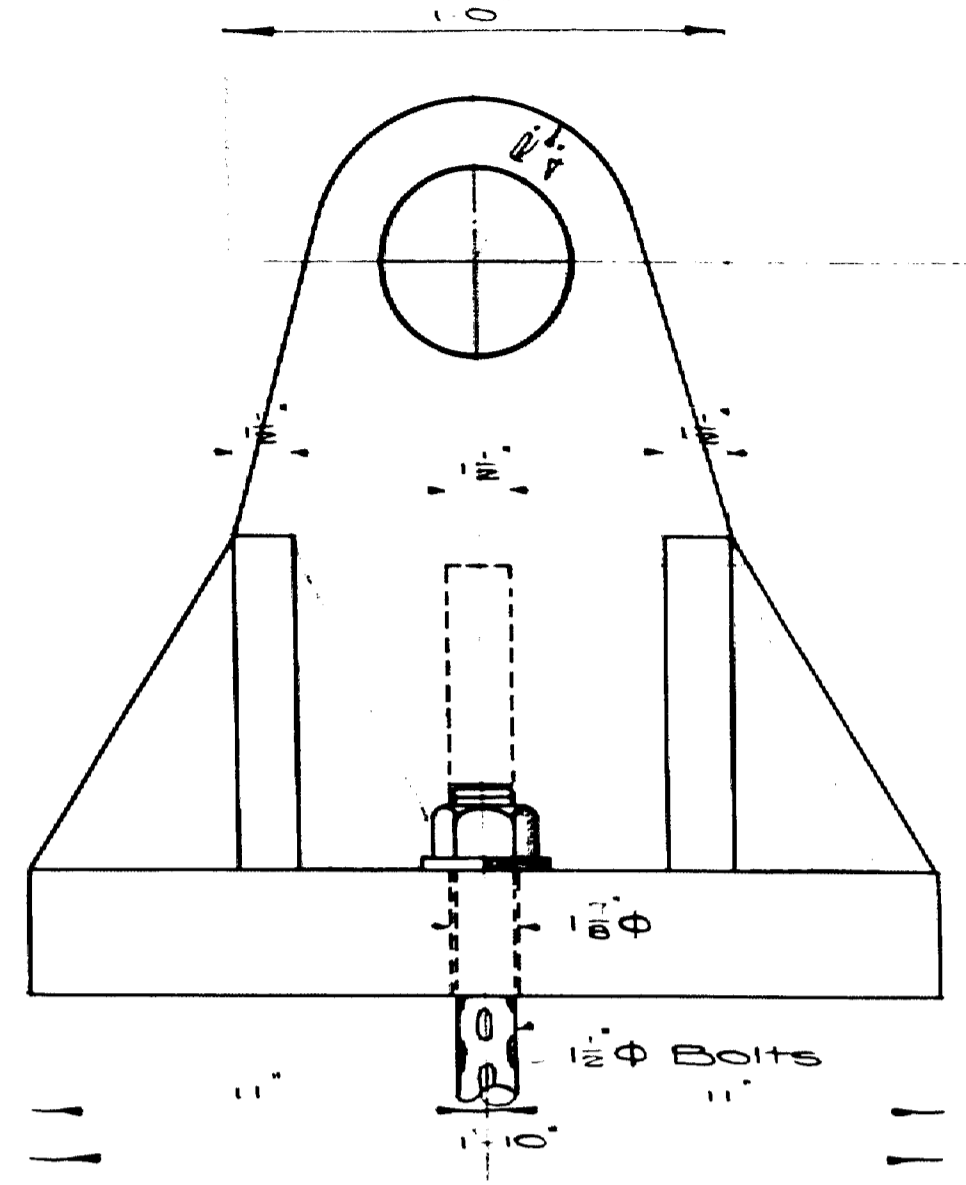
2W113-07
 BRIDGE 2702
 MAINE HIGHWAY COMMISSION
 BRIDGE DIVISION
FALMOUTH RAILROAD CROSSING
 OVER THE TRACES OF
MAINE CENTRAL R.R.
 AND THE
PRESUMSCOT RIVER
 IN THE TOWN OF
FALMOUTH CUMBERLAND COUNTY
 STEEL DETAILS EXEMPT 11/2
 Sheet 19 of 31 Augusta, Me. 1932



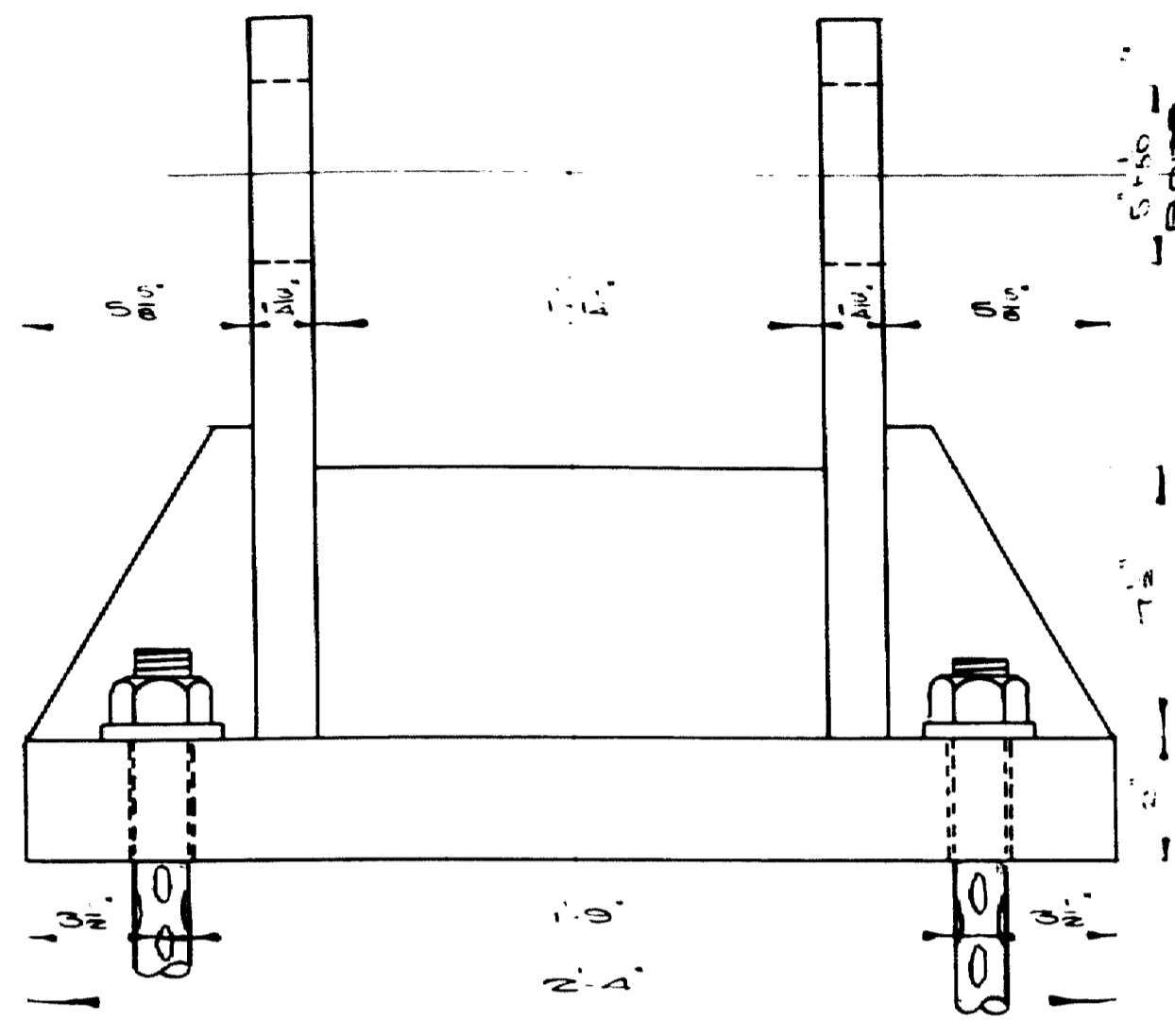
SIDE VIEW



FRONT VIEW



SIDE VIEW



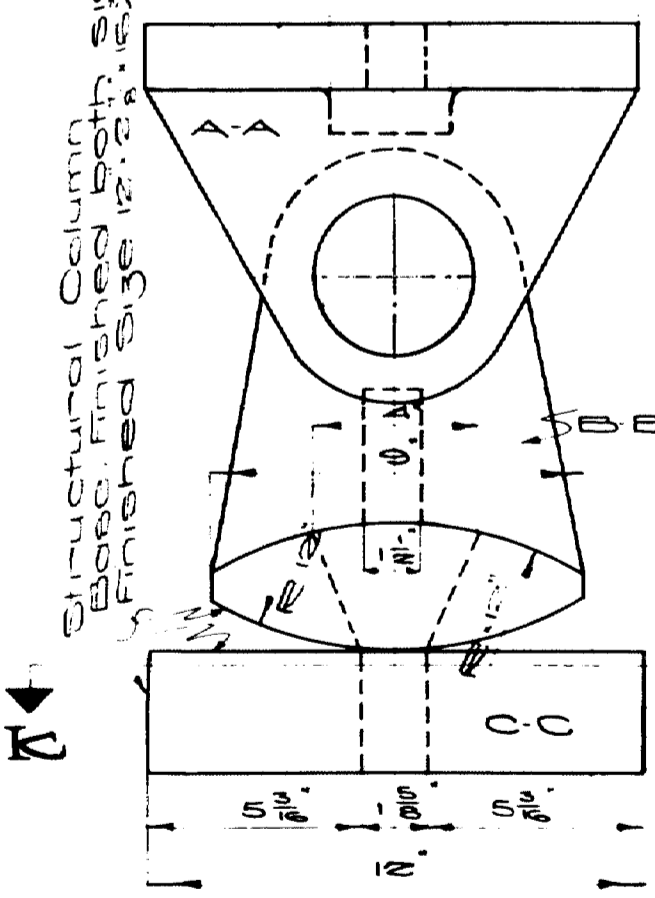
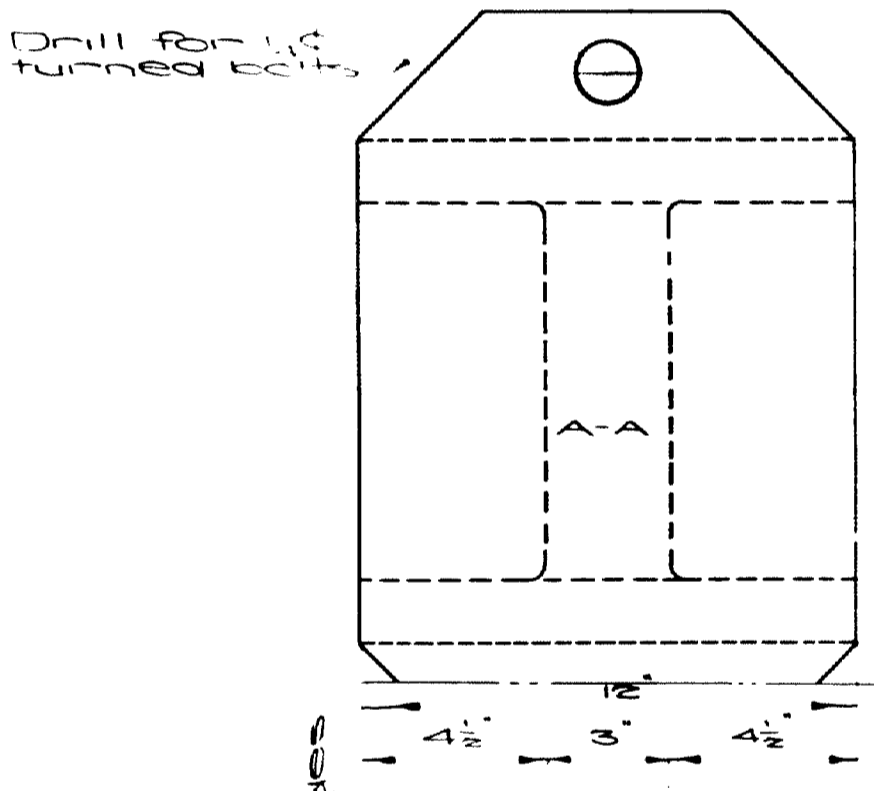
FRONT VIEW

**EXPANSION PEDESTAL
(TRUSS SPANS)**
4 Required.

**FIXED PEDESTAL
(TRUSS SPANS)**
4 Required

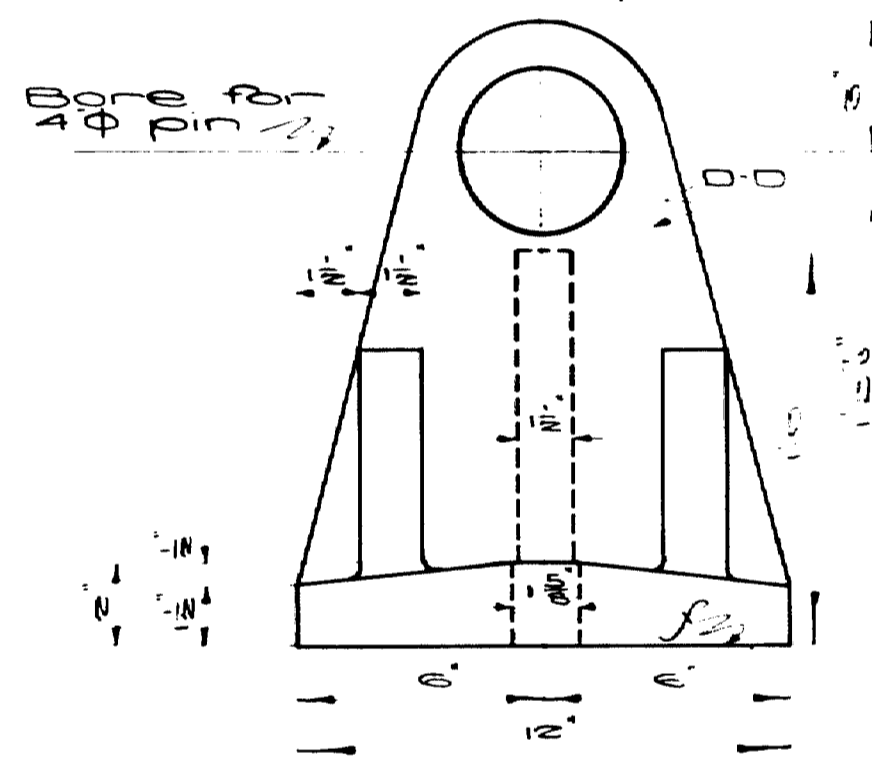
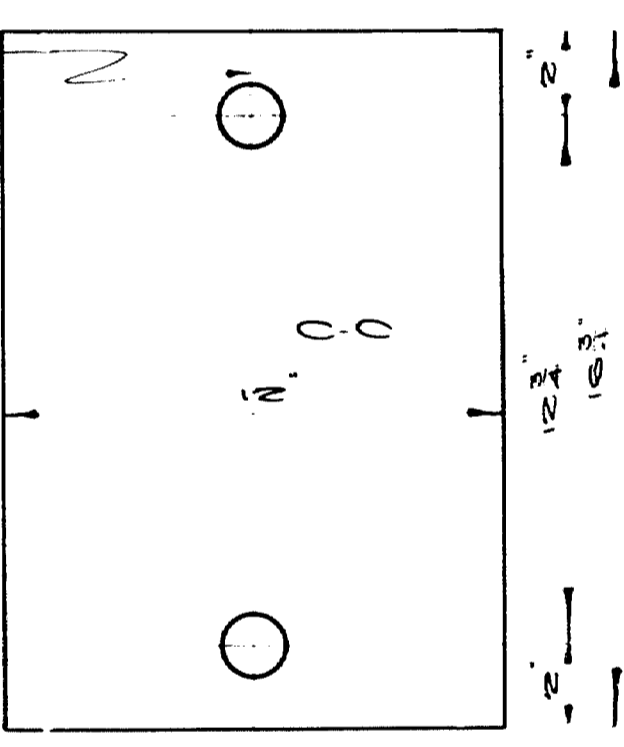
Note: All pedestals to be cast steel, except as noted.

1 1/2" holes for 1/2" bolts, hex nuts, and washers.

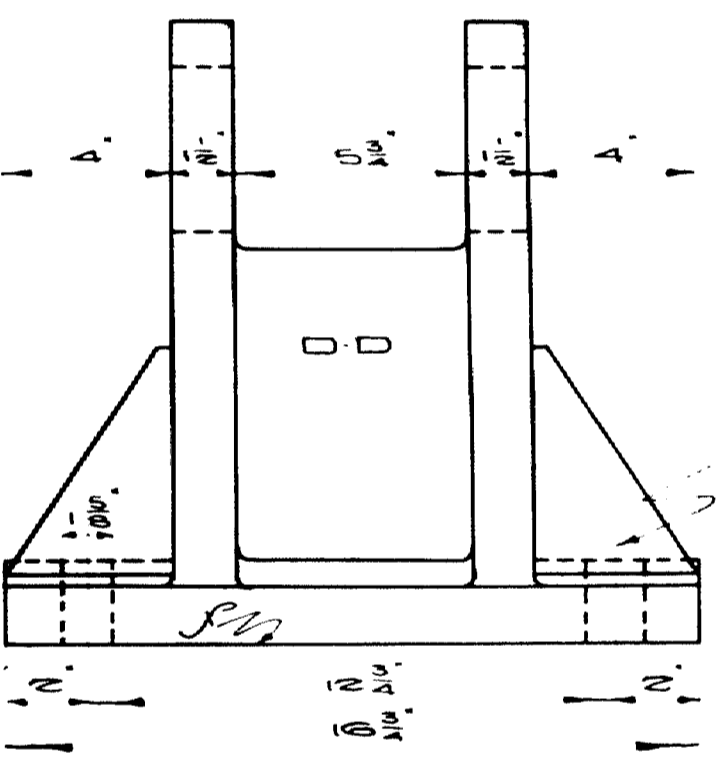


**EXPANSION SHOE
(PLATE GIRDERS)**

VIEW K-K

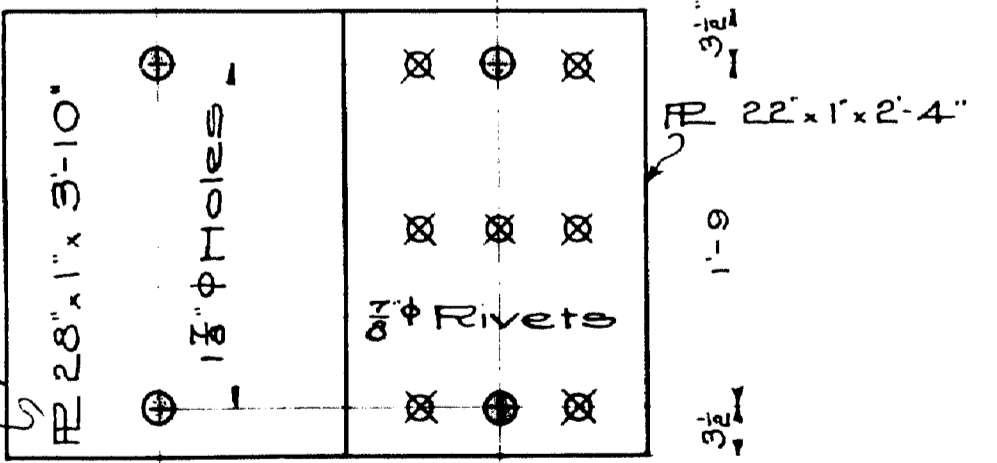


**FIXED SHOE
(PLATE GIRDERS)**

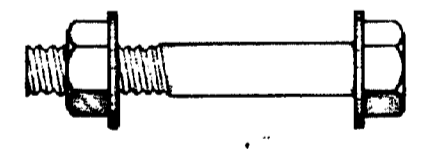


EXPANSION DETAILS

Material - Cast Steel, except as noted.
 4 required for Plate Girders
 2 for 2 expansion pedestals
 2 for 2 fixed pedestals.
 4 pins 4" and nuts.
 STA. 17+77.92 STA. 17+79.92



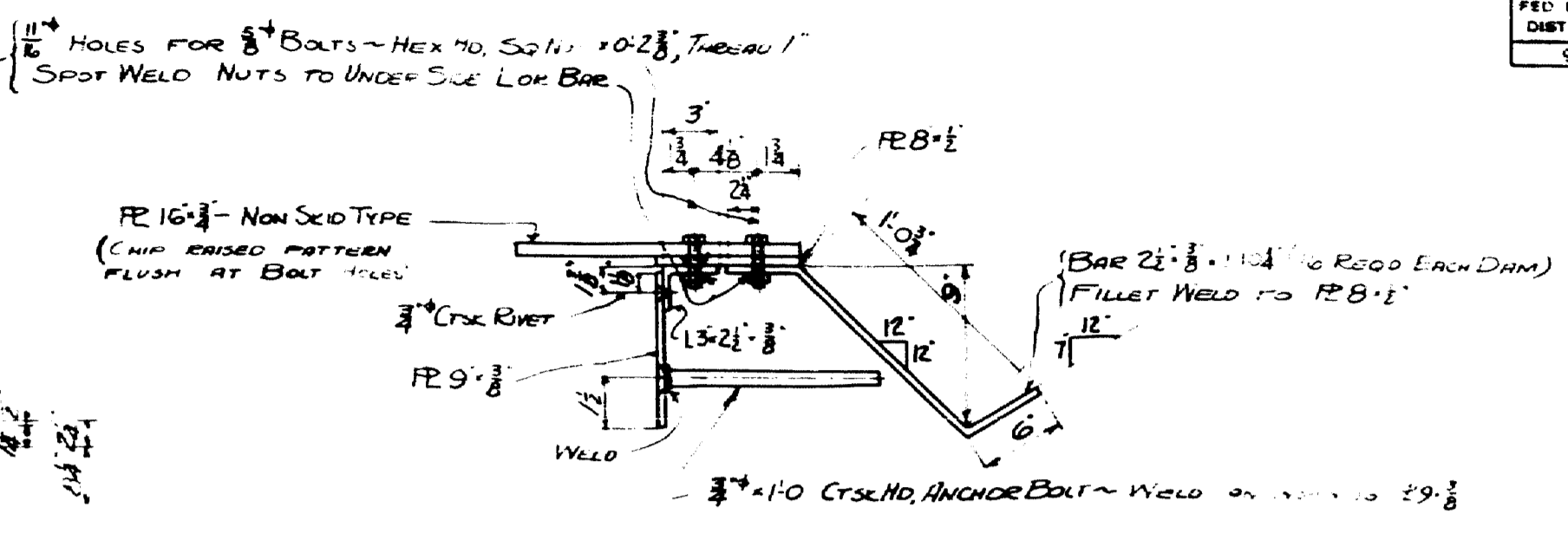
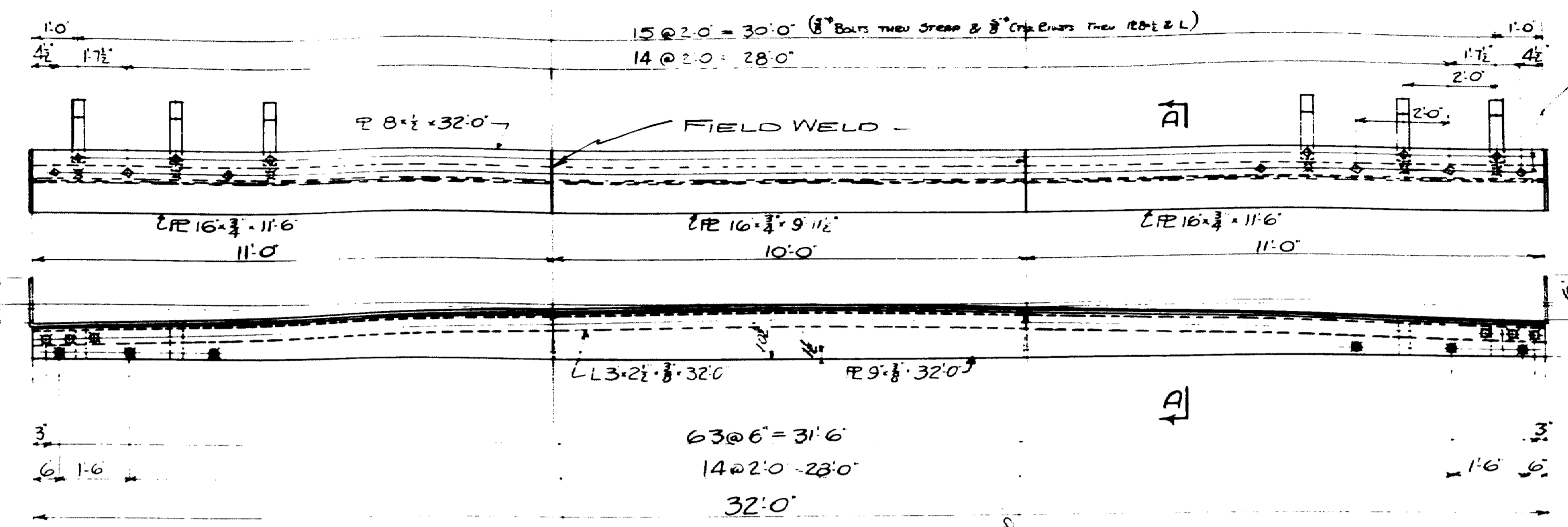
1 1/2" bolt with hex head and nut and two washers



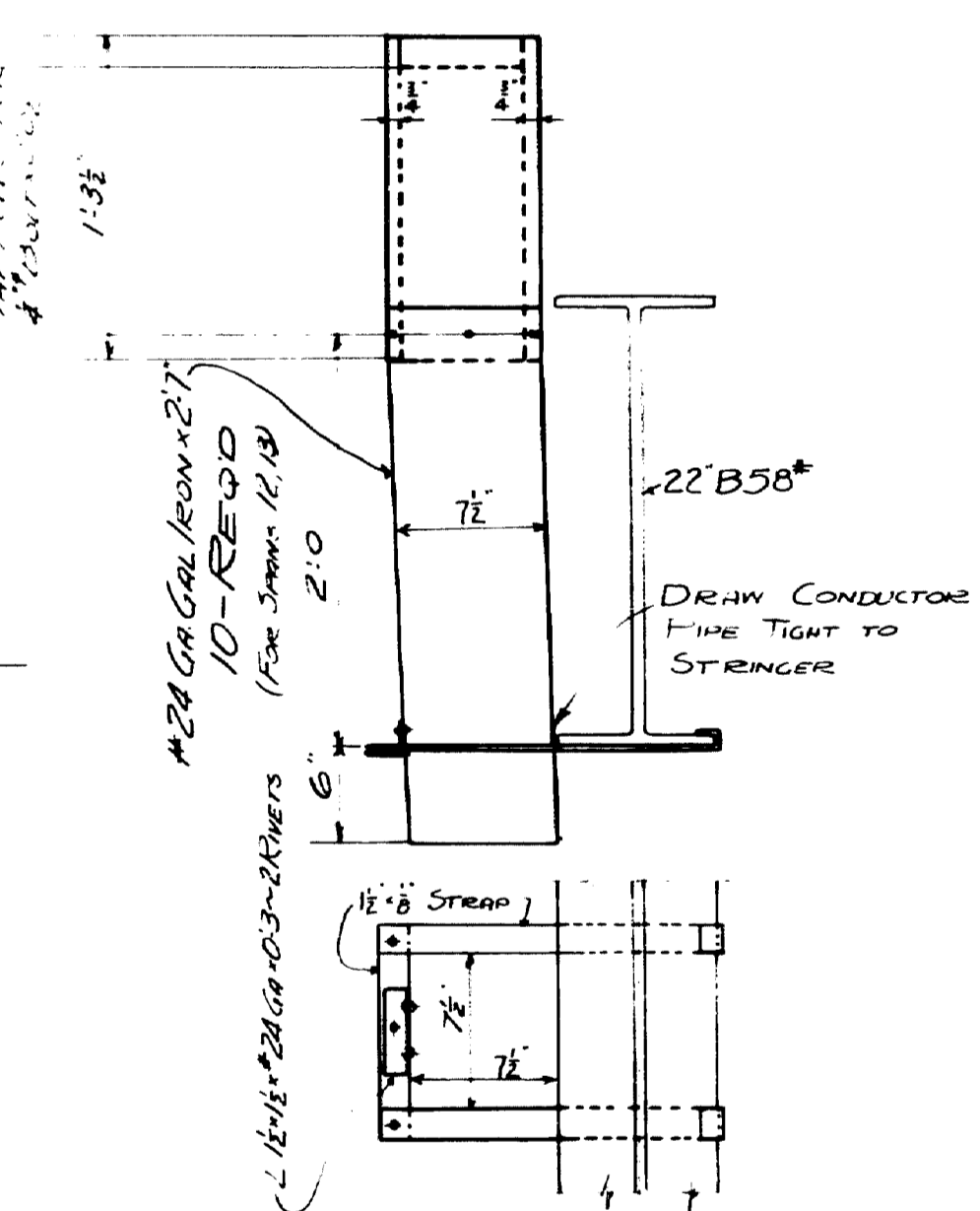
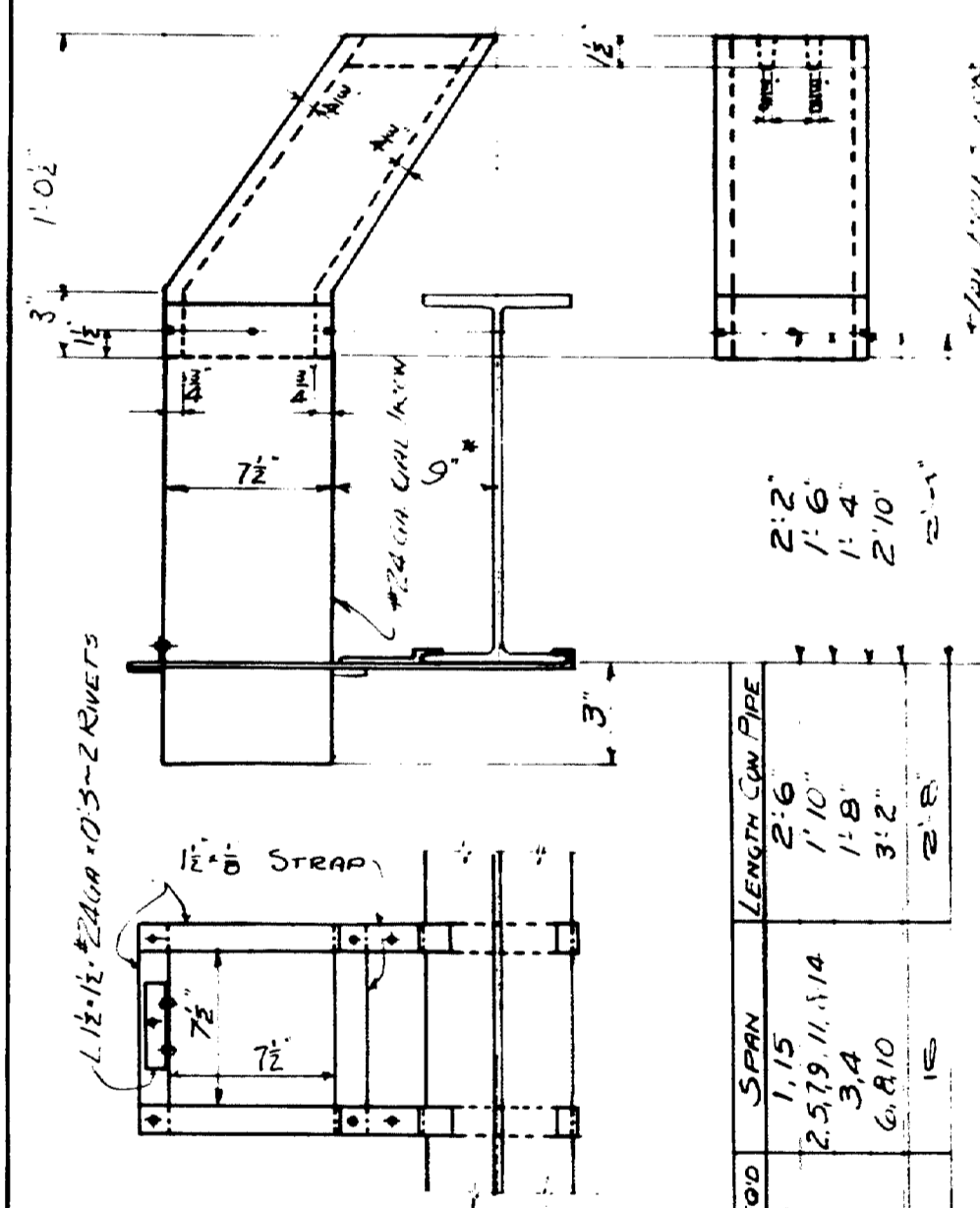
For A-A 8 Req'd (Turned Bolts)
 For B-B & C-C 4 Req'd
 For D-D 4 Req'd
 Town 03-07
 Bridge 2702

MASONRY PLATE PIER No. 5.

Maine Highway Commission
 Bridge Division
**FALMOUTH RAILROAD
 CROSSING**
 OVER THE TRACKS OF
**MAINE CENTRAL
 RAILROAD**
 AND THE
PRESUMPSNOT RIVER
 IN THE TOWN OF
FALMOUTH-CUMBERLAND Co.
 PEDestal DETAILS
 Sheet 20 of 31 Augusta, Me 1932.

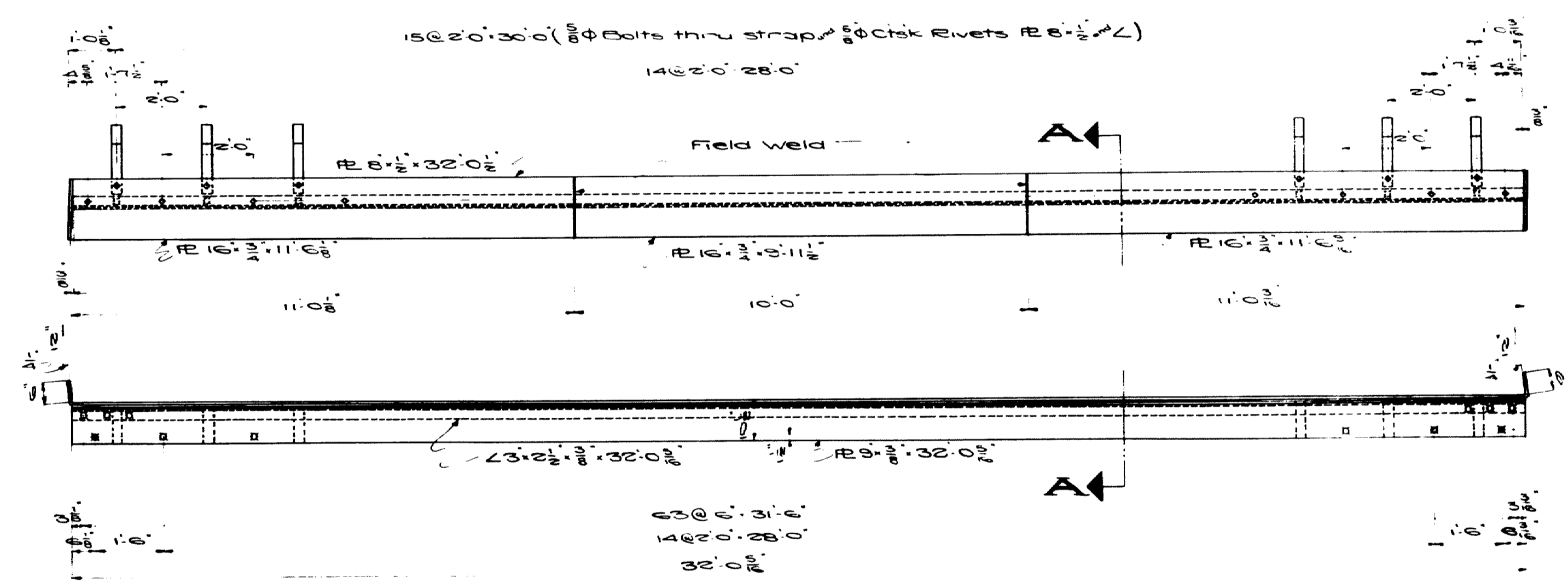


**EXPANSION DAM
6 REQ'D**
FURNISHED BY STEEL CONTRACTOR
PLACED BY CONCRETE CONTRACTOR



STRINGER NO REQ'D	SPAN	LENGTH IN FEET	RE
20 B 10 1/4"	6	2'-6"	2'-6"
20 B 5 5/8"	12	1'-10"	1'-10"
18 B 4 7/8"	24	3'-4"	1'-8"
9 B 1 5/8"	18	6'-10"	3'-2"
50 B 1 1/2"	5		

DRAINS FURNISHED AND PLACED BY CONCRETE CONTRACTOR



EXPANSION DAM PIER #27

NOTE: This dimension is variable for spans 15 & 16

Revised Feb 24, 1933 Expansion Dam at Pier #27
Drains Span 16

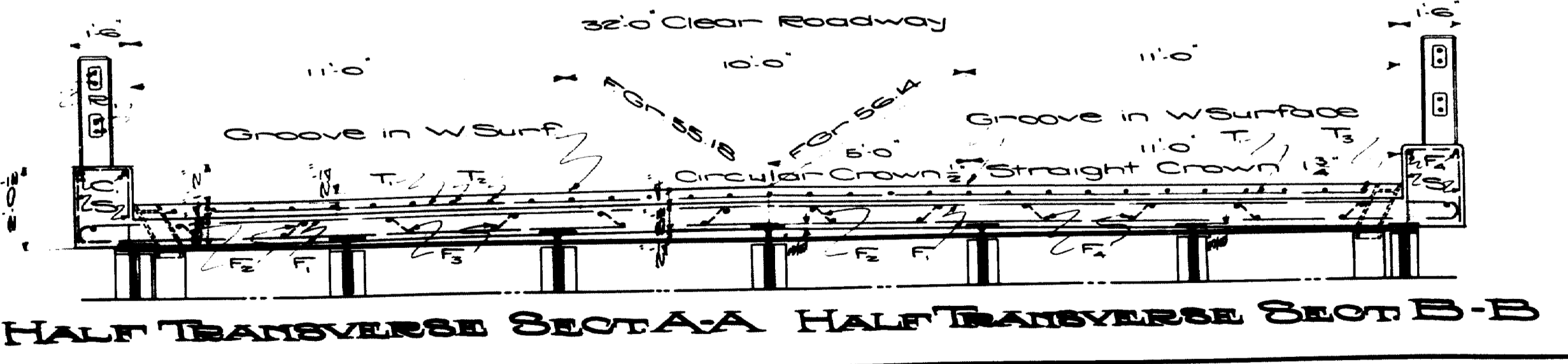
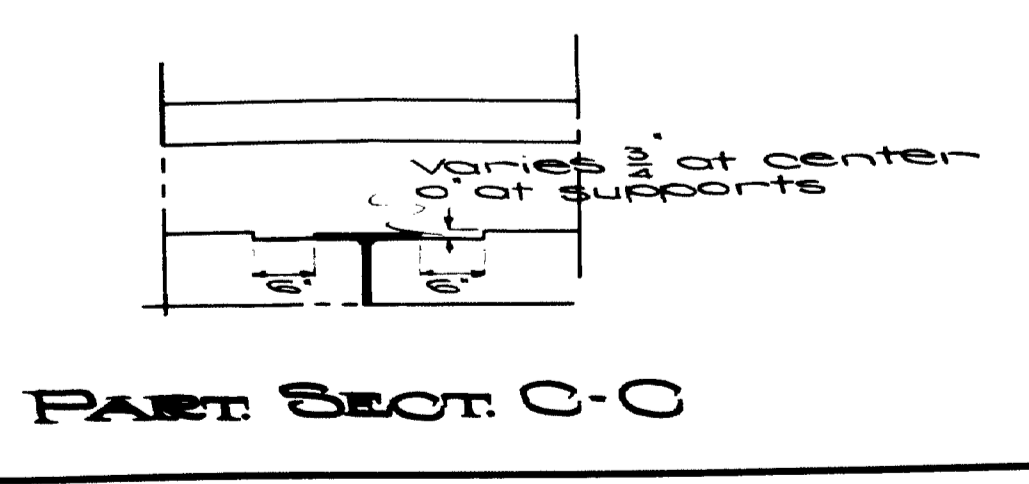
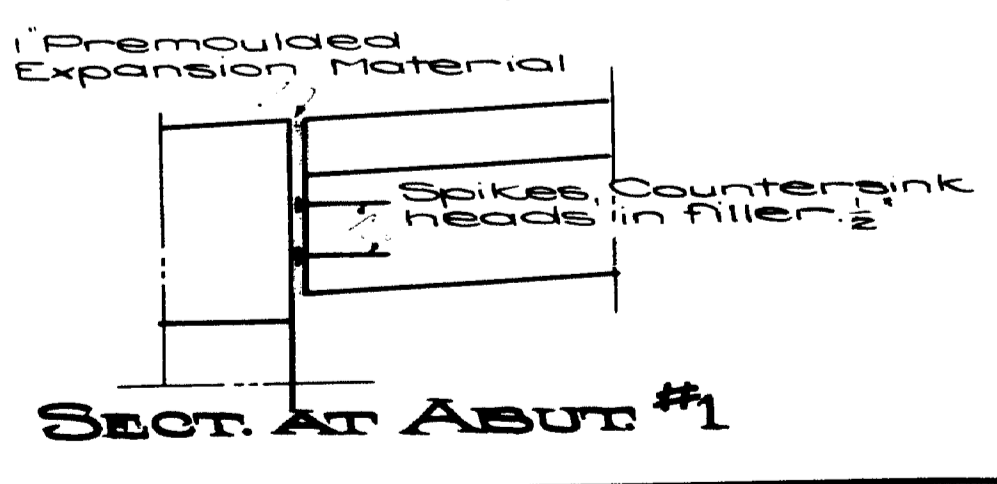
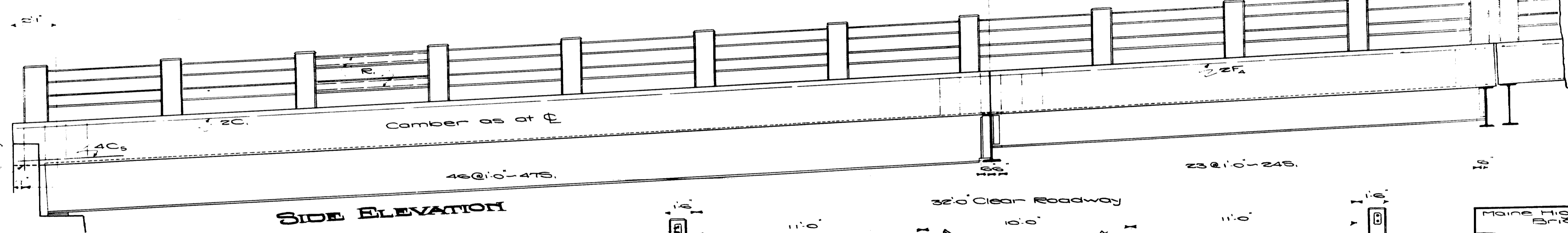
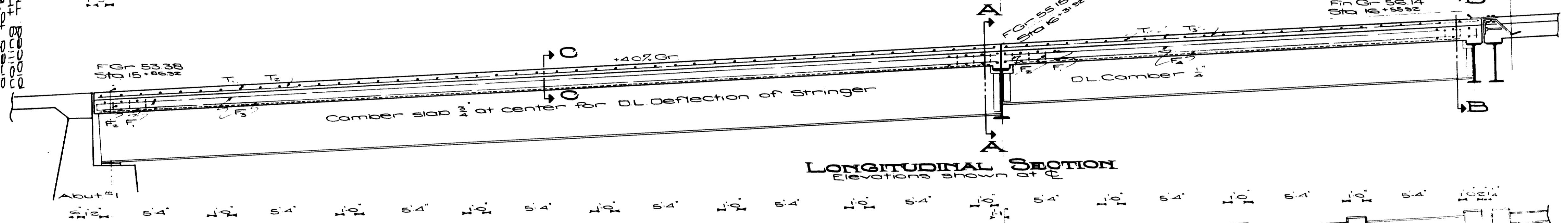
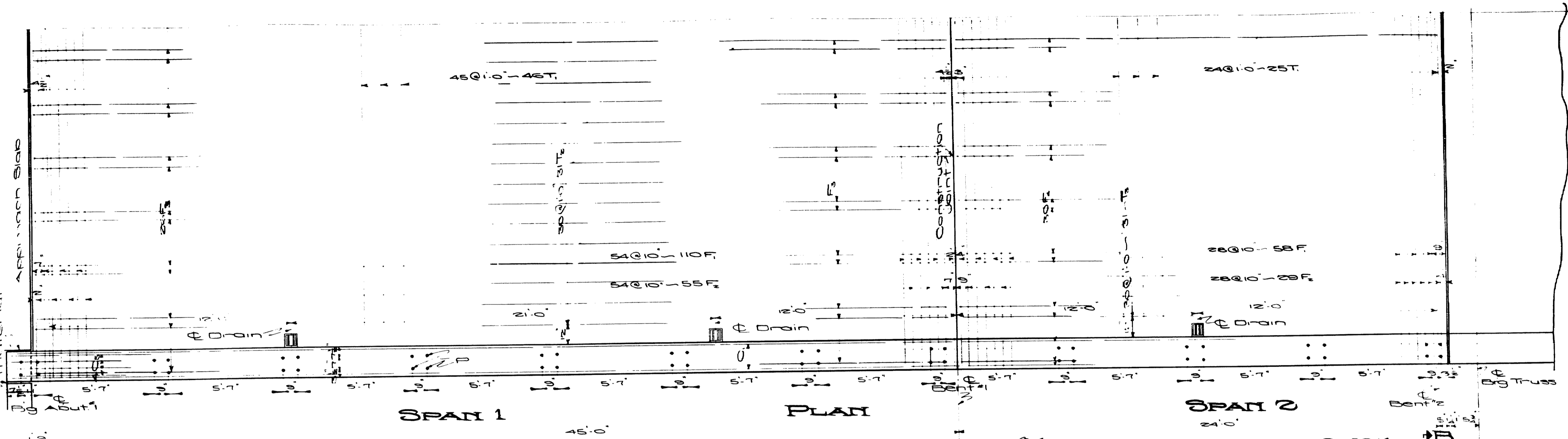
TOWN 03-07
BRIDGE 2702

MAINE HIGHWAY COMMISSION
BRIDGE DIVISION
**FALMOUTH RAILROAD
CROSSING**
OVER THE TRACKS OF
MAINE CENTRAL R.R.
AND THE
PRESUMPSCOOT RIVER
IN THE TOWN OF
**FALMOUTH
CUMBERLAND COUNTY**
EXPANSION DAM DETAILS
Sheet 21 of 31 August, Me 1932

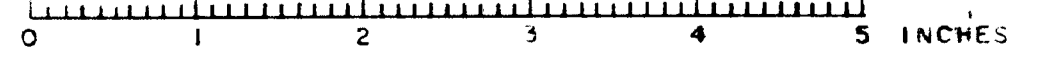


FED. ROAD DIST. NO.	STATE	FED. AID FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	MAINE	1932	22	31

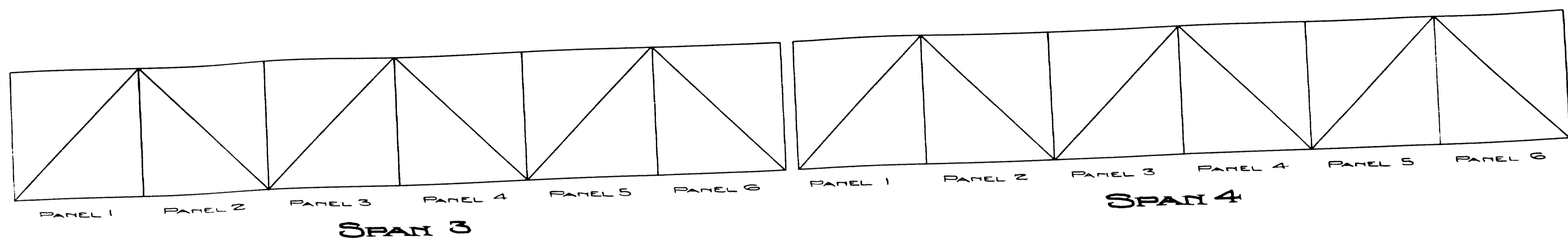
Note: The concrete between the stringers and the curb should be placed in layers not exceeding 6 inches in thickness. The concrete should be placed in layers and be thoroughly compacted. The concrete should be placed in layers and be thoroughly compacted. The concrete should be placed in layers and be thoroughly compacted.



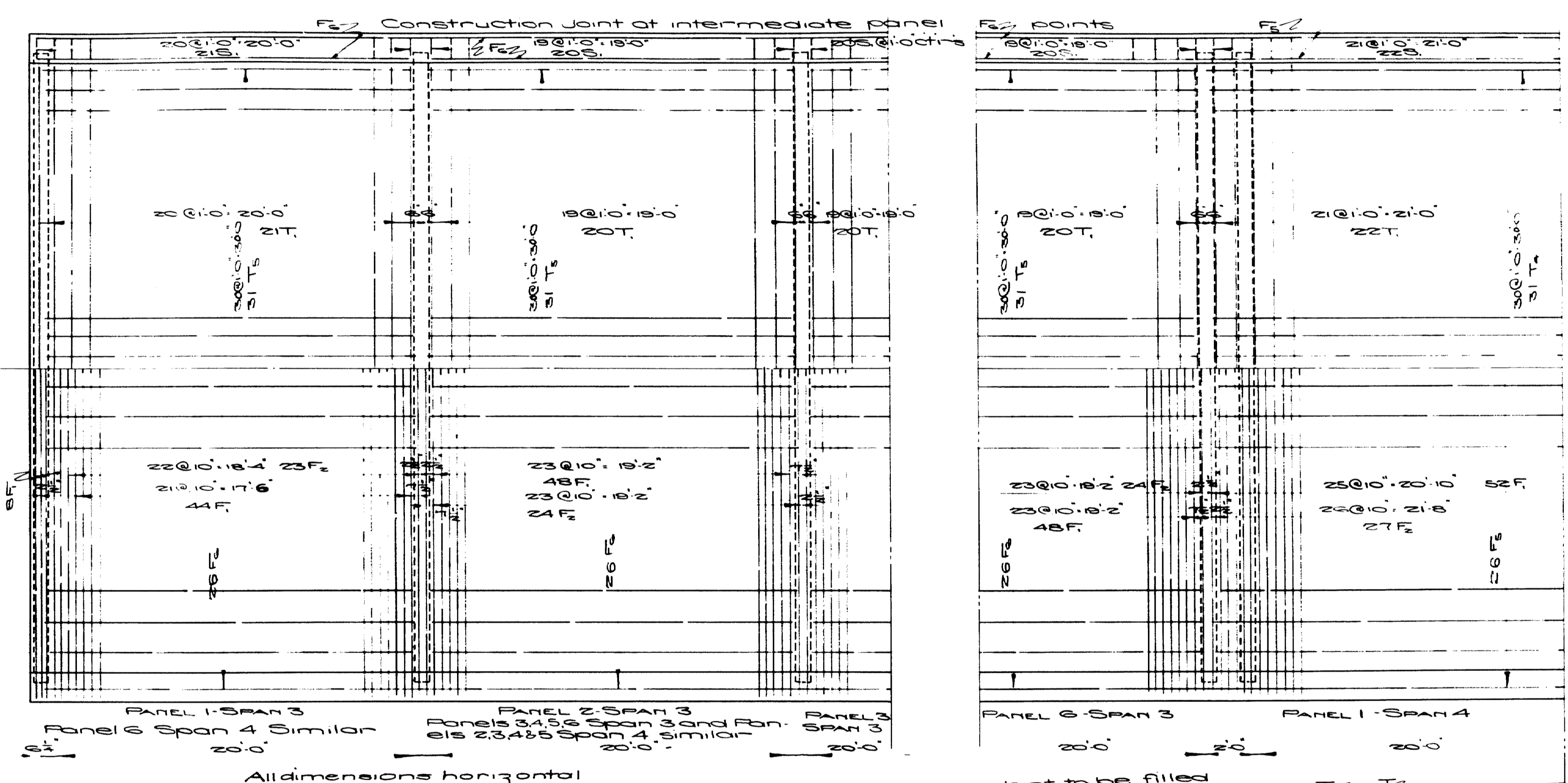
Town 03-07
 Bridge 2702
 Maine Highway Commission
 Bridge Division
**FALMOUTH RAILROAD
 CROSSING**
 OVER THE TRACKS OF
MAINE CENTRAL R.R.
 AND THE
PRESUMPSCOT RIVER
 IN THE TOWN OF
FALMOUTH
CUMBERLAND COUNTY
 Superintendence Slab Spans 182
 Sheetz & Sons Augusta, Me. 1932



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	YEAR	SHEET NO.	TOTAL SHEETS
9	MAINE	1932-23	23	31	



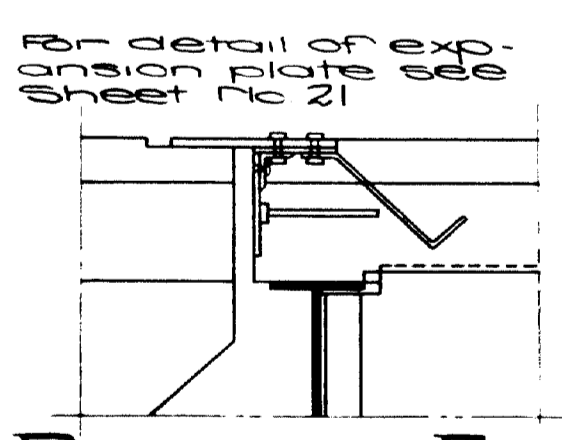
PART PLAN
ROADWAY SLAB WEARING SURFACE



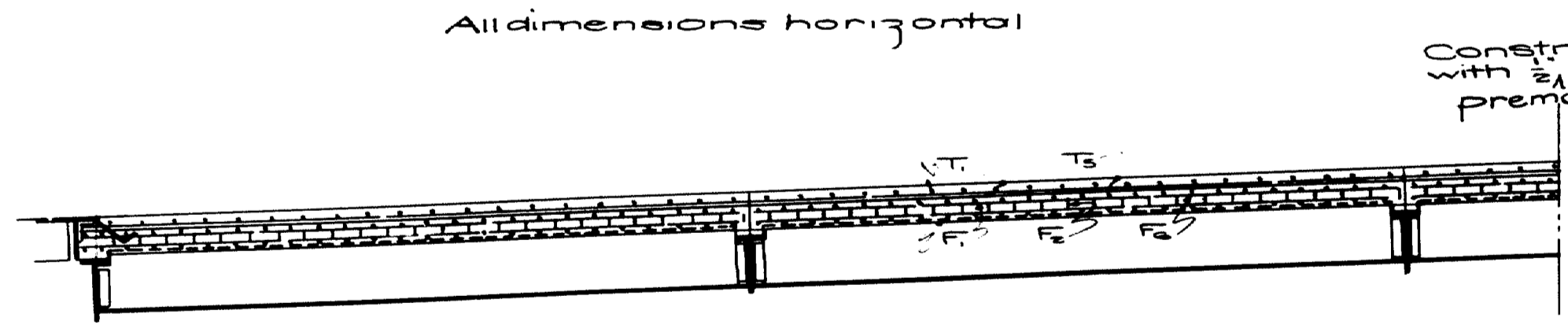
Panel 1 - Span 3
Panel 6 Span 4 Similar
20'-0"

Panel 2 - Span 3
Panels 3, 4, 5, 6 Span 3 and Pan. 1 - Span 4
Panels 2, 3, 4, 5 Span 4, similar
20'-0"

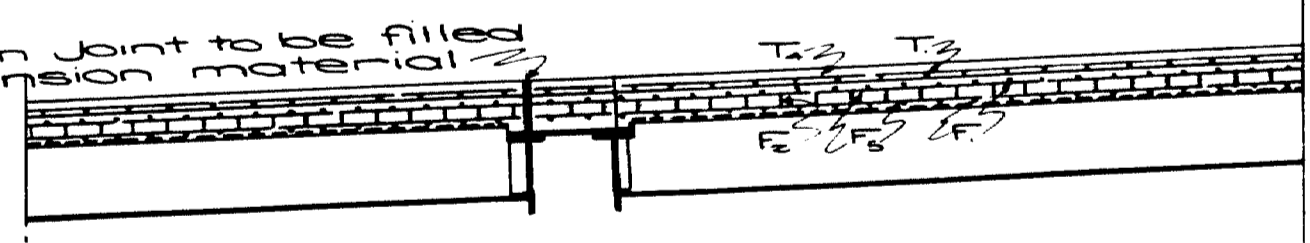
All dimensions horizontal



DETAIL OF EXPANSION END SPAN 3

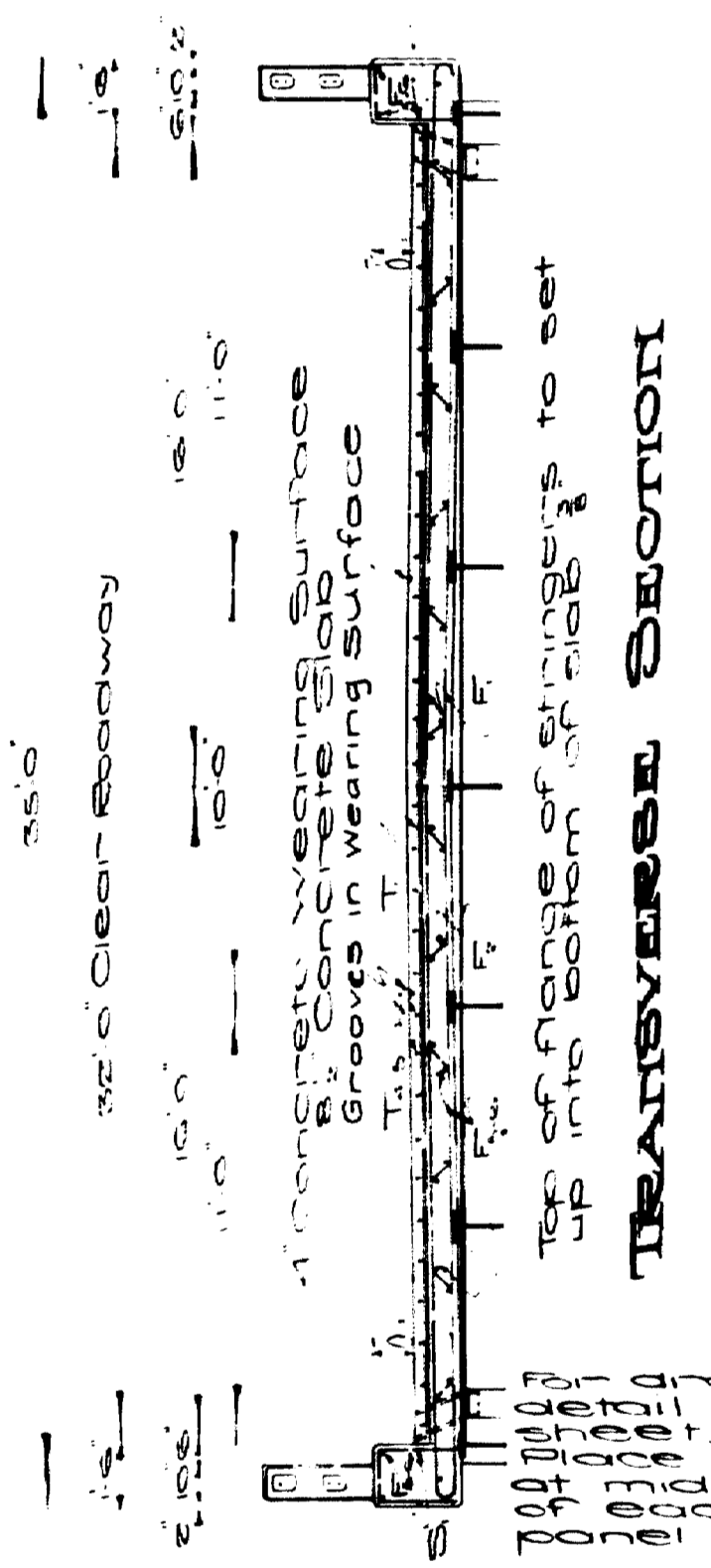


LONGITUDINAL SECTION



DETAIL BETWEEN TRUSS SPANS

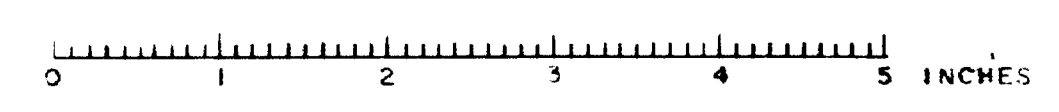
DETAIL AT EXPANSION END SPAN 4

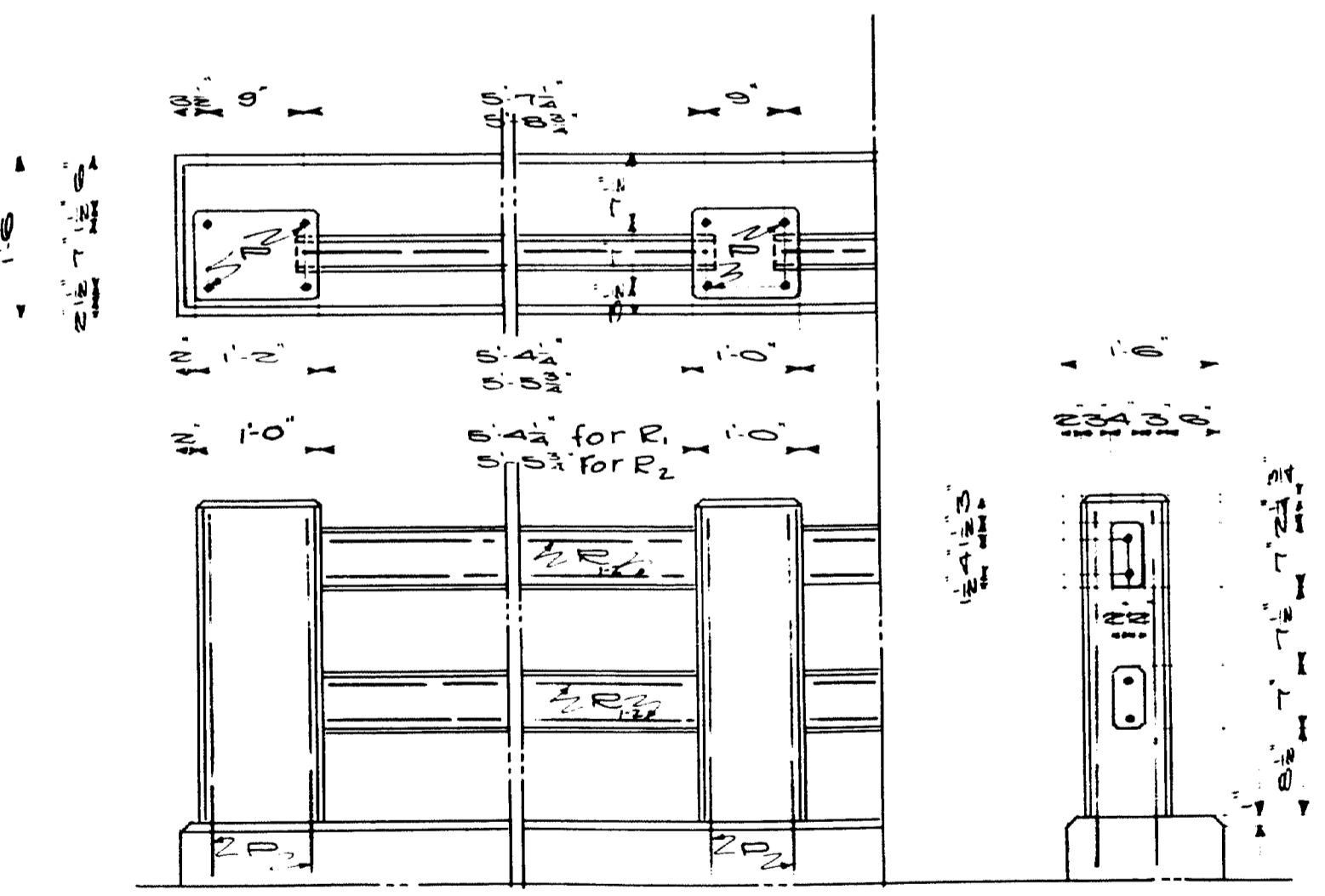
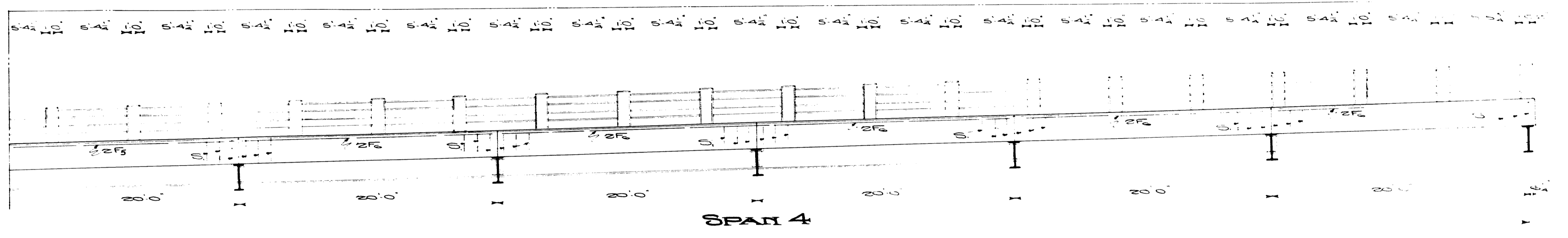
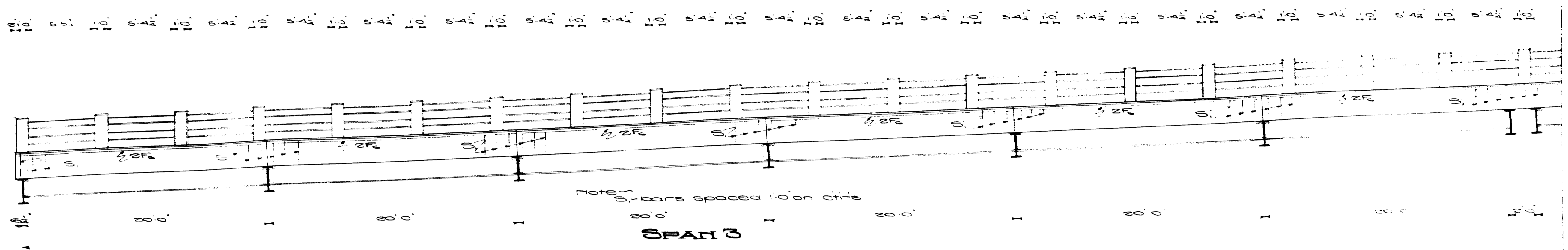


TRANSVERSE SECTION

TOWN 03-07
BRIDGE 2702

MAINE Highway Commission
Bridge Division
FALMOUTH RAILROAD CROSSING
OVER THE TRACKS OF
MAINE CENTRAL R.R.
AND THE
PRESUMPSOT RIVER
IN THE TOWN OF
FALMOUTH
CUMBERLAND COUNTY
Floor Details of River-Span
Sheet 23 of 31 Augusta, Me 1932

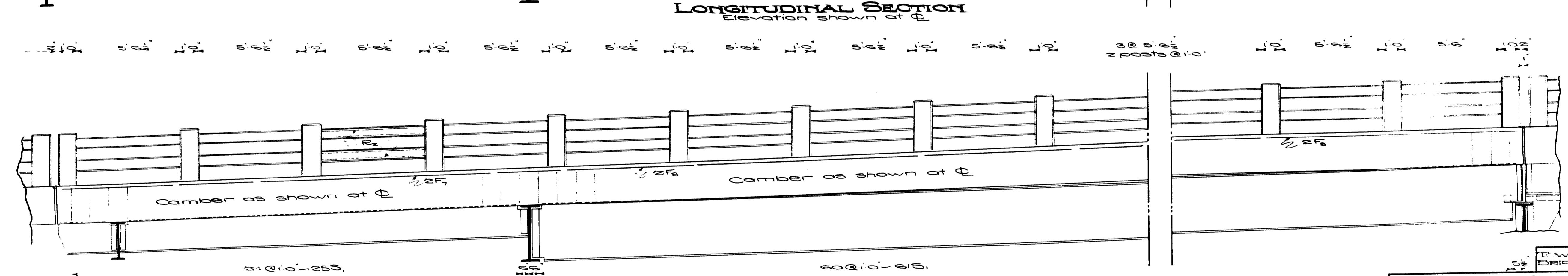
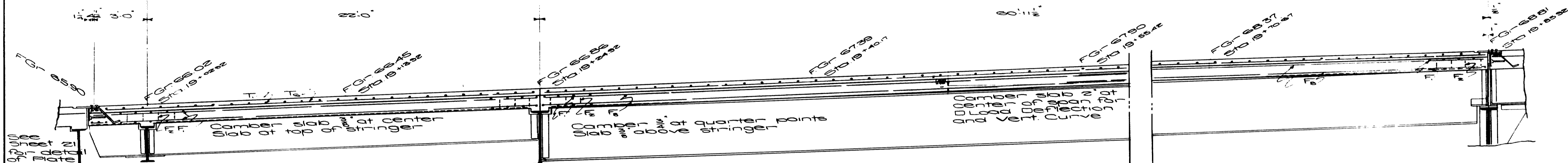
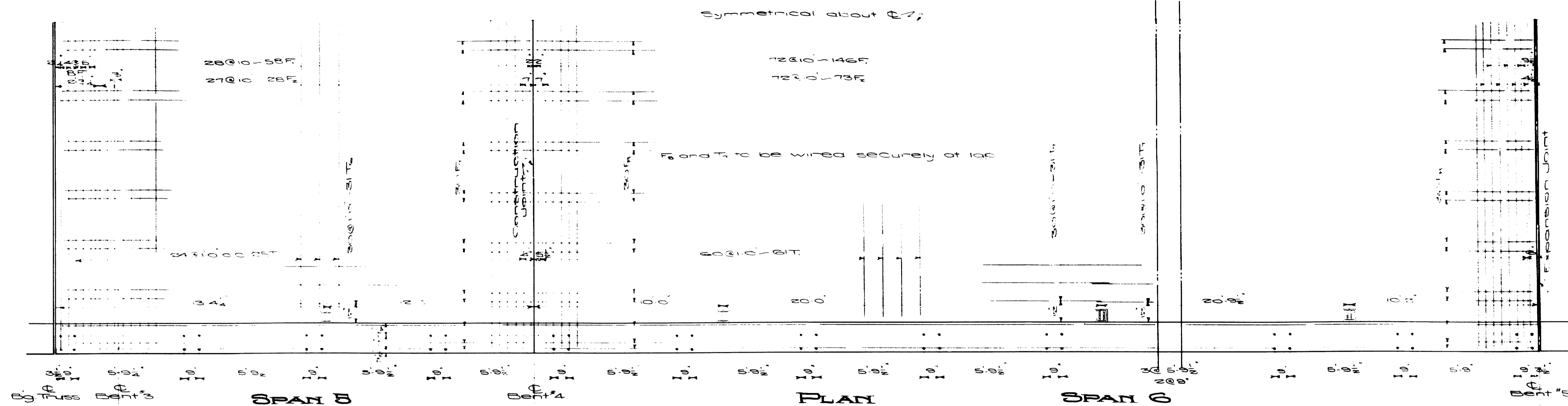




Notes:
Curb and slab to be cast together. Steel posts to be set in concrete. All bars in lengths of 5'-0" or less to be lapped. Right hand ends of with two thickesses of 3/8" light roofing felt. All ends and other exposed chamfers are removed, cut away and further exposed unless otherwise indicated.

TOWN OF FALMOUTH
MAINE HIGHWAY COMMISSION
BRIDGE DIVISION
**FALMOUTH RAILROAD
CROSSING**
OVER THE TRACKS OF
MAINE CENTRAL R.R.
AND THE
PRESUMPSCOOT RIVER
IN THE TOWN OF
FALMOUTH
CUMBERLAND COUNTY
RAIL DETAILS THREE SPANS
Sheet 24 of 31 Augusta, Me 1932

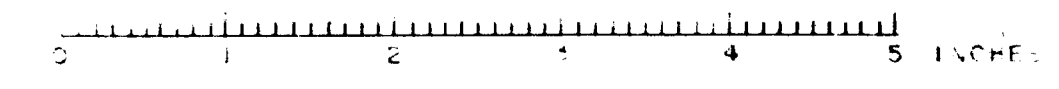
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
9	MAINE	0-0-0	1932	25	31



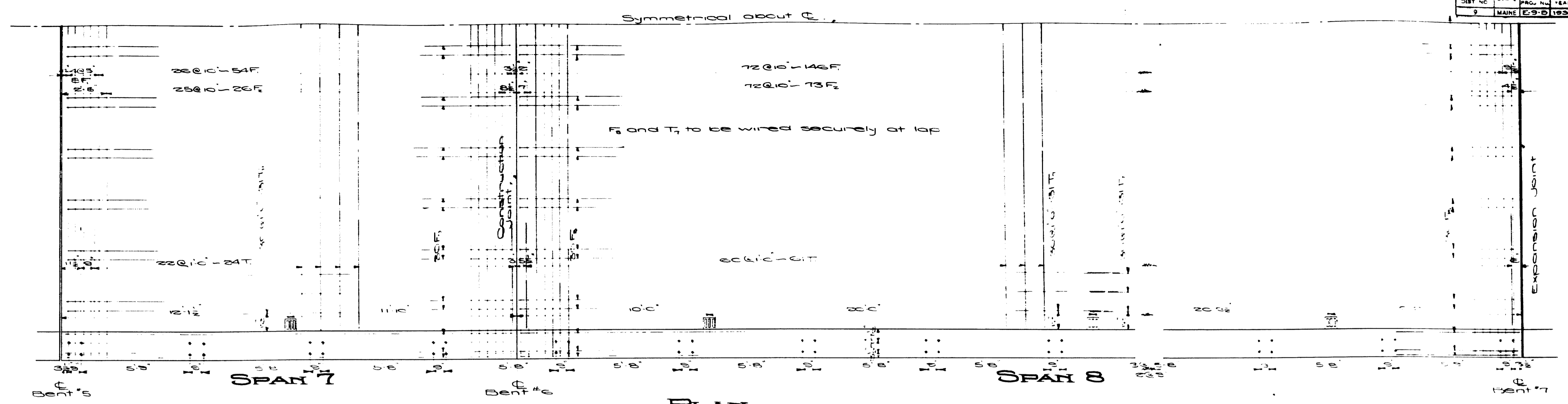
Notes - See Sheet 22 for Transverse Section identical except for elevations and steel designation.

P.W. 03-07
Bridge 27012

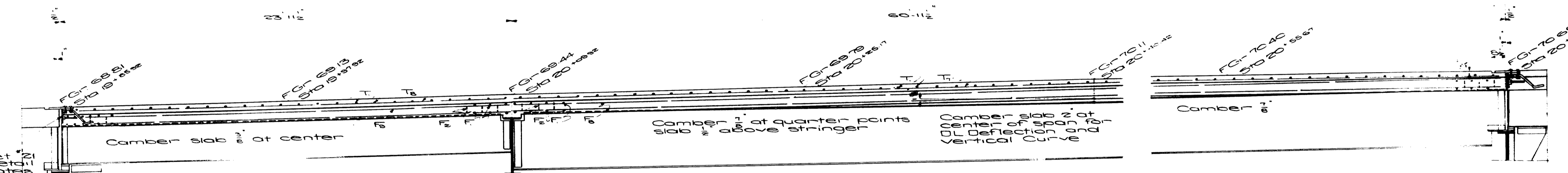
MAINE Highway Commission
BRIDGE DIVISION
FALMOUTH RAILROAD CROSSING
OVER THE TRACKS OF
MAINE CENTRAL R.R.
AND THE
PRESUMPOOT RIVER
IN THE TOWN OF
FALMOUTH
CUMBERLAND COUNTY
Superstr. Details Spans 5 & 6
Sheet 25 of 31 August, Me 1932



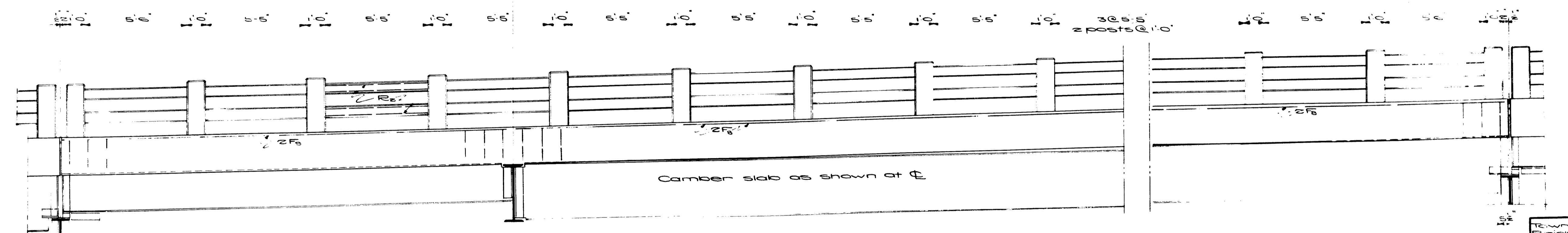
DIST. NO.	STATE	FILE NO.	YEAR	SHEET NO.	TOTAL SHEETS
9	MAINE	E-9-01032	26	31	



PLAN



LONGITUDINAL SECTION
Elevations shown at C-C

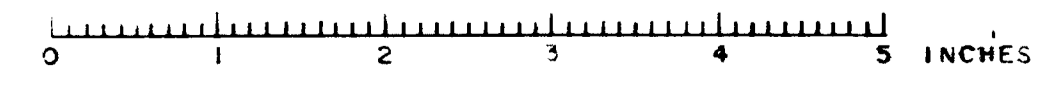


SIDE ELEVATION

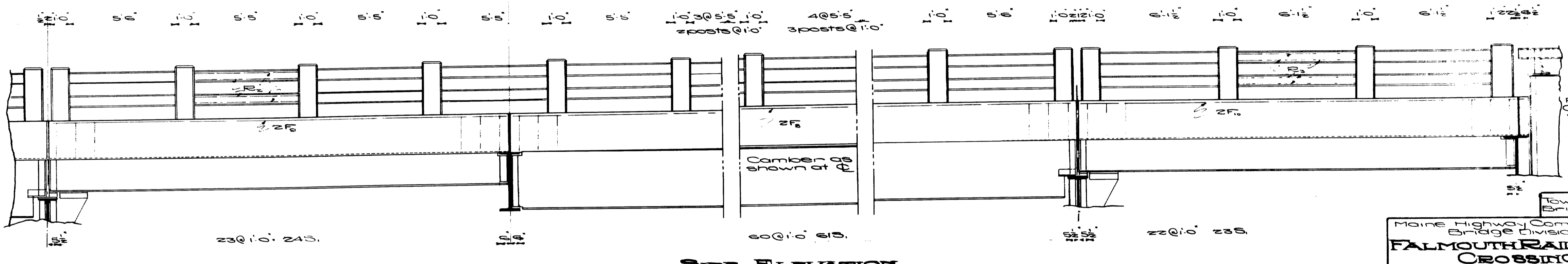
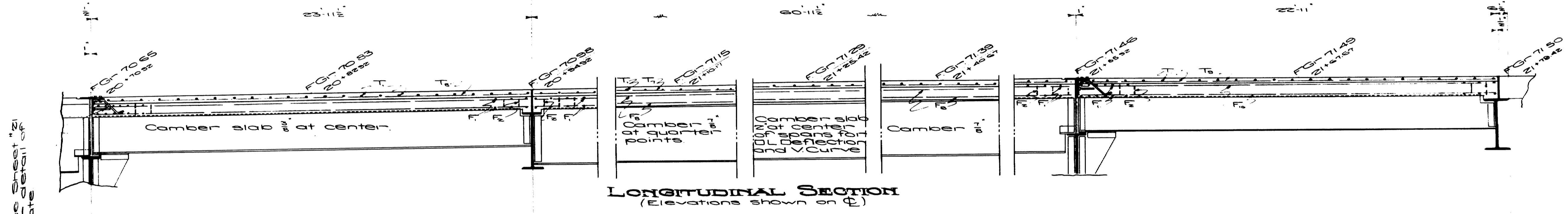
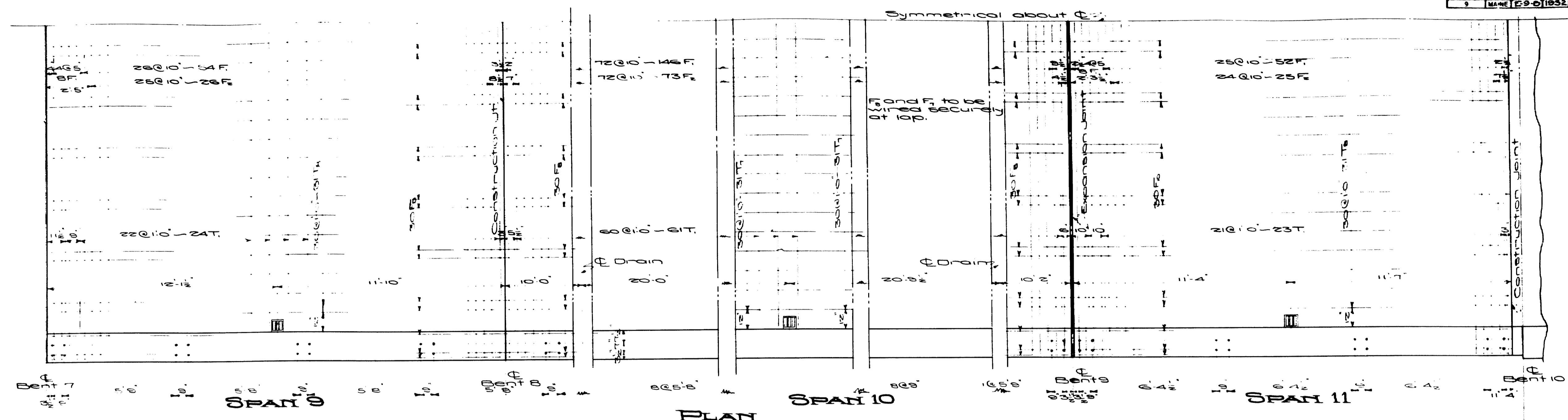
note 1
See sheet 22 for Transverse Section
Identical except Elevations and
Steel designation

Town 03-07
Bridge 2702

Maine Highway Commission
Bridge Division
**FALMOUTH RAILROAD
CROSSING**
Over the Tracks of
MAINE CENTRAL R.R.
And the
PRESUMPSCOT RIVER
in the Town of
**FALMOUTH
CUMBERLAND COUNTY**
Superstructure Details Spans 7 & 8
Sheet 26 of 31 August, Me 1932



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
9	MAINE	1930	1932	27	31



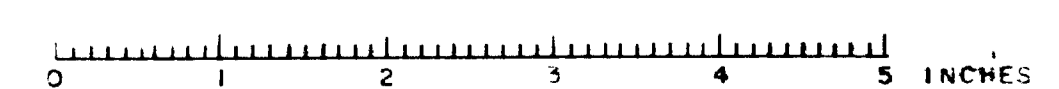
See Sheet 21 for detail of plate

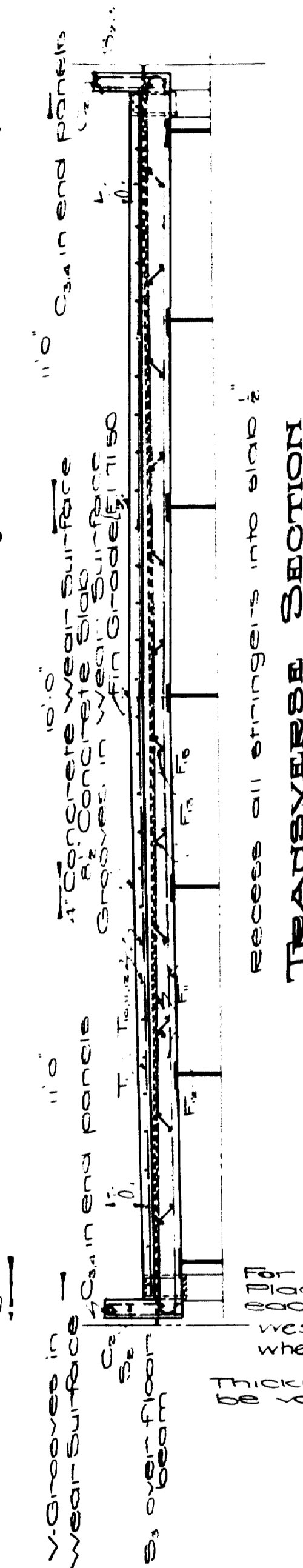
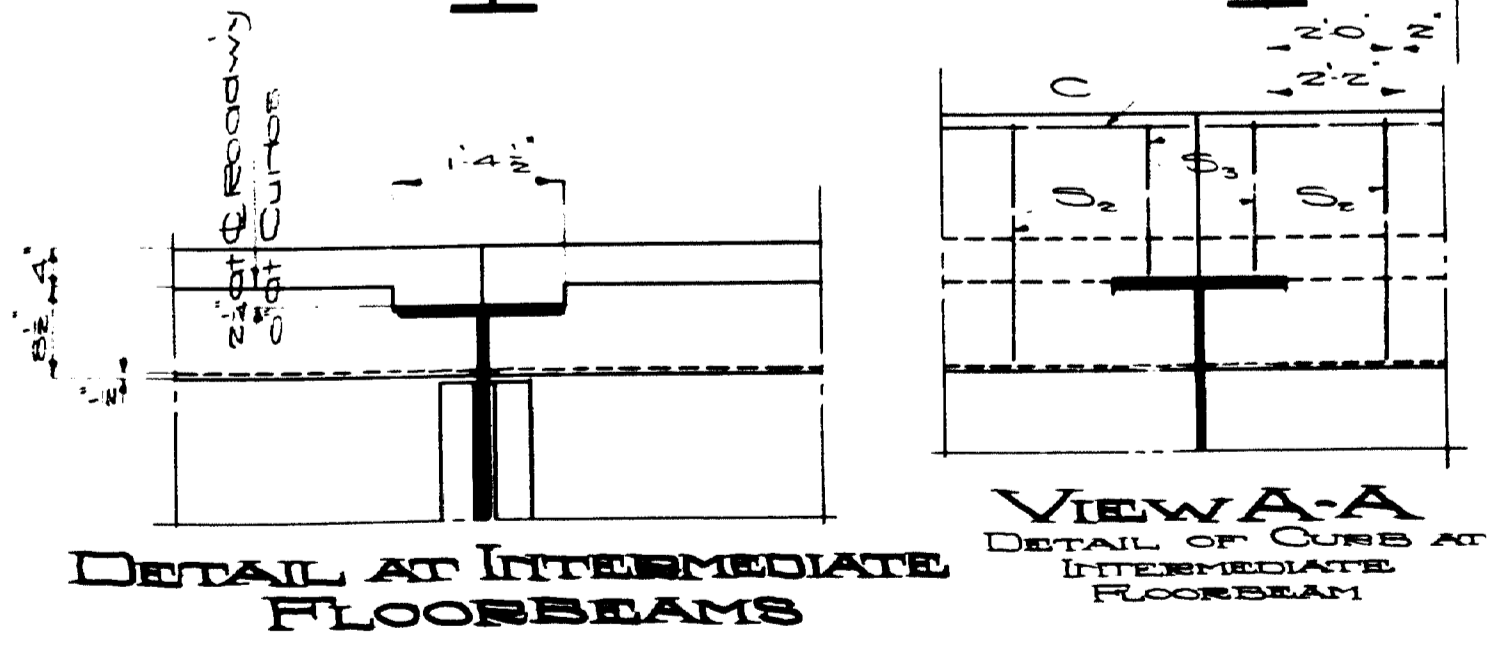
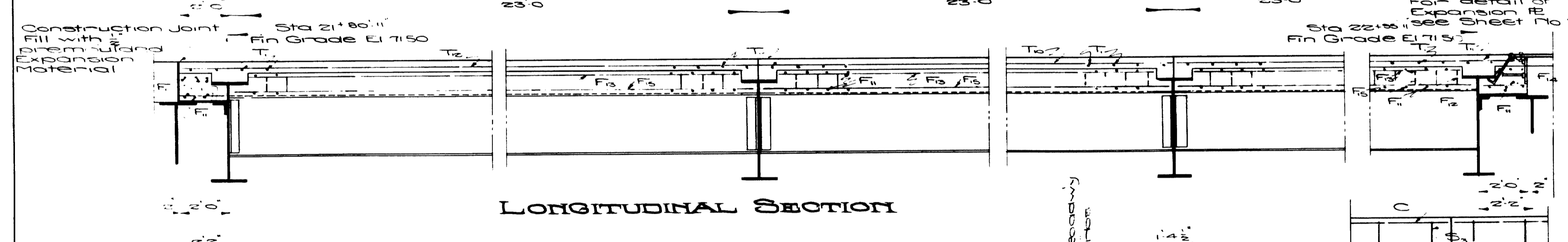
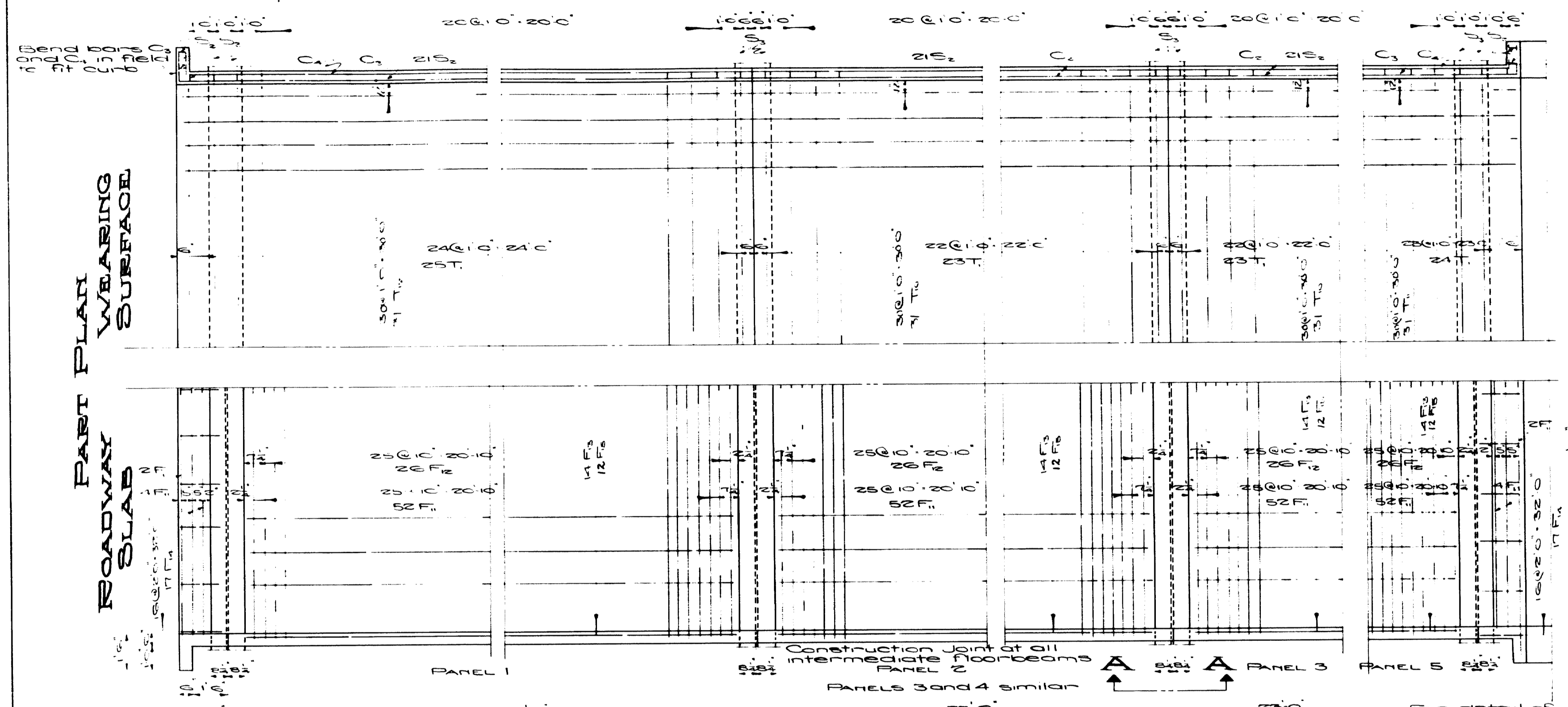
Note - See Sheet 22 for Transverse Sect. Identical except for Elevations and Steel designation.

Town 03-07
Bridge 2702

**Maine Highway Commission
Bridge Division**

**FALMOUTH RAILROAD
CROSSING**
OVER THE TRACKS OF
MAINE CENTRAL R.R.
AND THE
PRESUMPSCOT RIVER
IN THE TOWN OF
**FALMOUTH
CUMBERLAND COUNTY**
SPANS 9, 10 AND 11
Sheet 27 of 31 Augusta, Me 1932





For drain detail see Sheet No 21
Place drain at mid-point of each panel, except panel 2 on west side and panel 4 on east side where drains will be omitted.

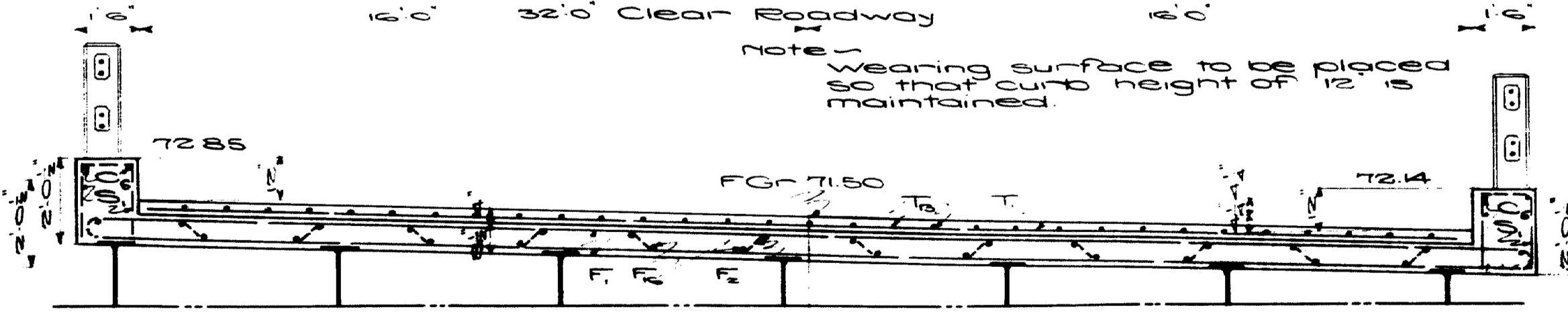
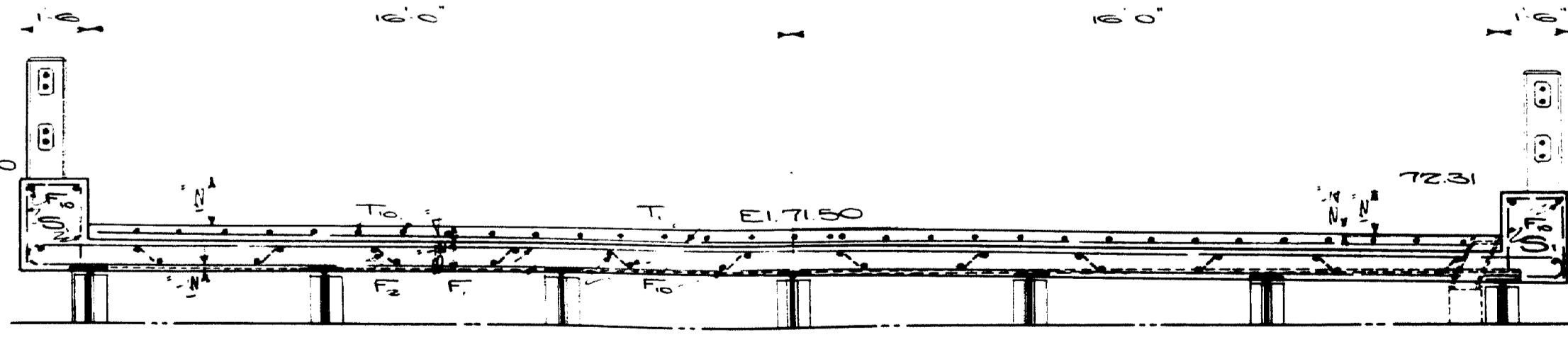
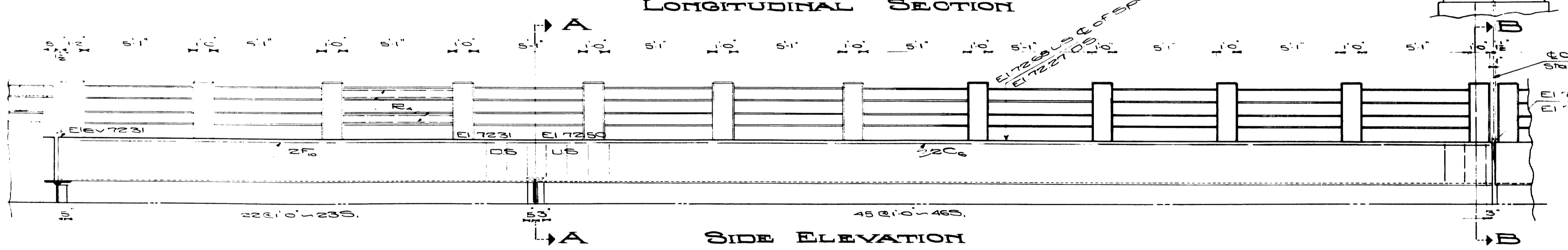
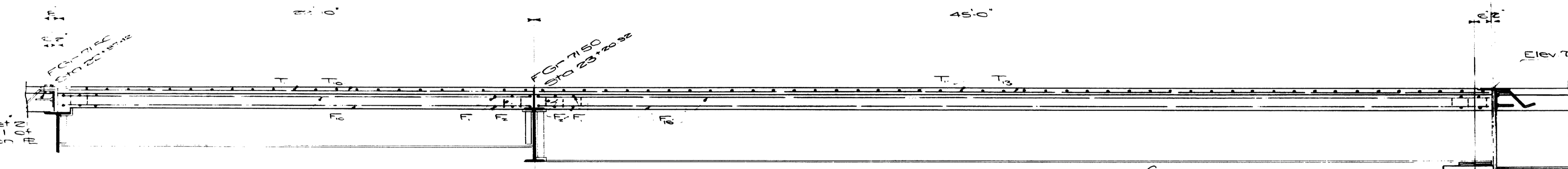
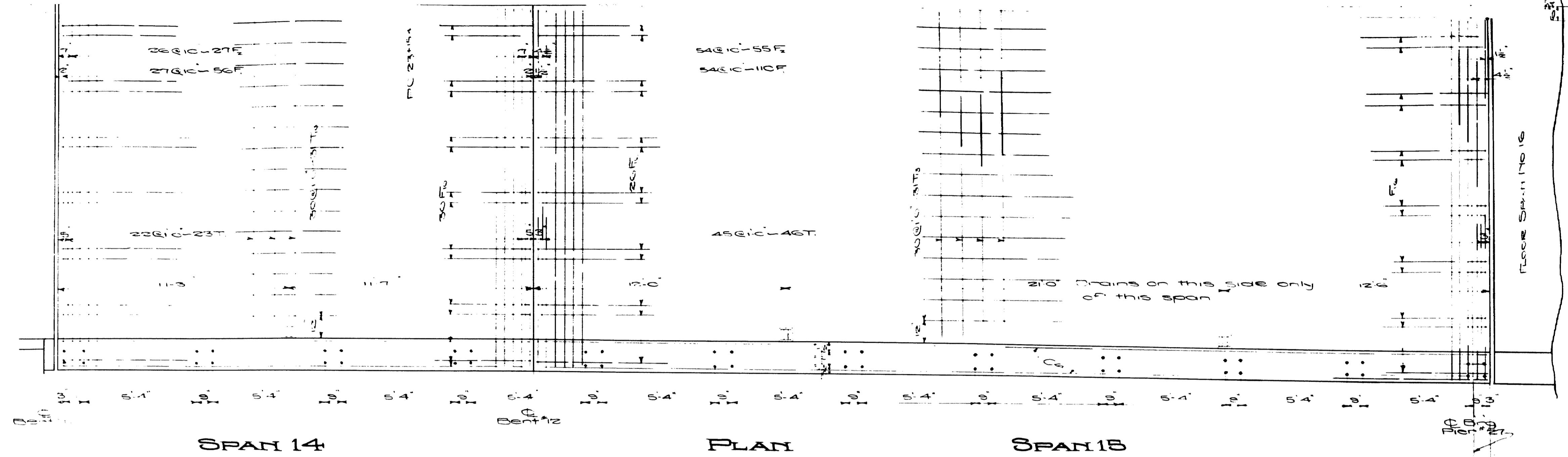
Thickness of wearing surface may be varied to maintain true grade

Town 03-07
Bridge 2702

Maine Highway Commission
Bridge Division

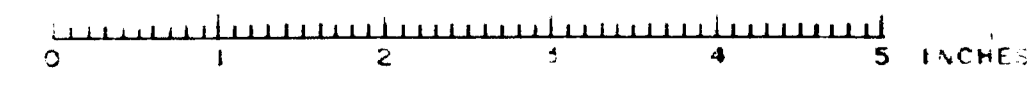
**FALMOUTH RAILROAD
CROSSING**
OVER THE TRACKS OF
MAINE CENTRAL R.R.
AND THE
PRESUMPSCOT RIVER
IN THE TOWN OF
FALMOUTH
CUMBERLAND COUNTY

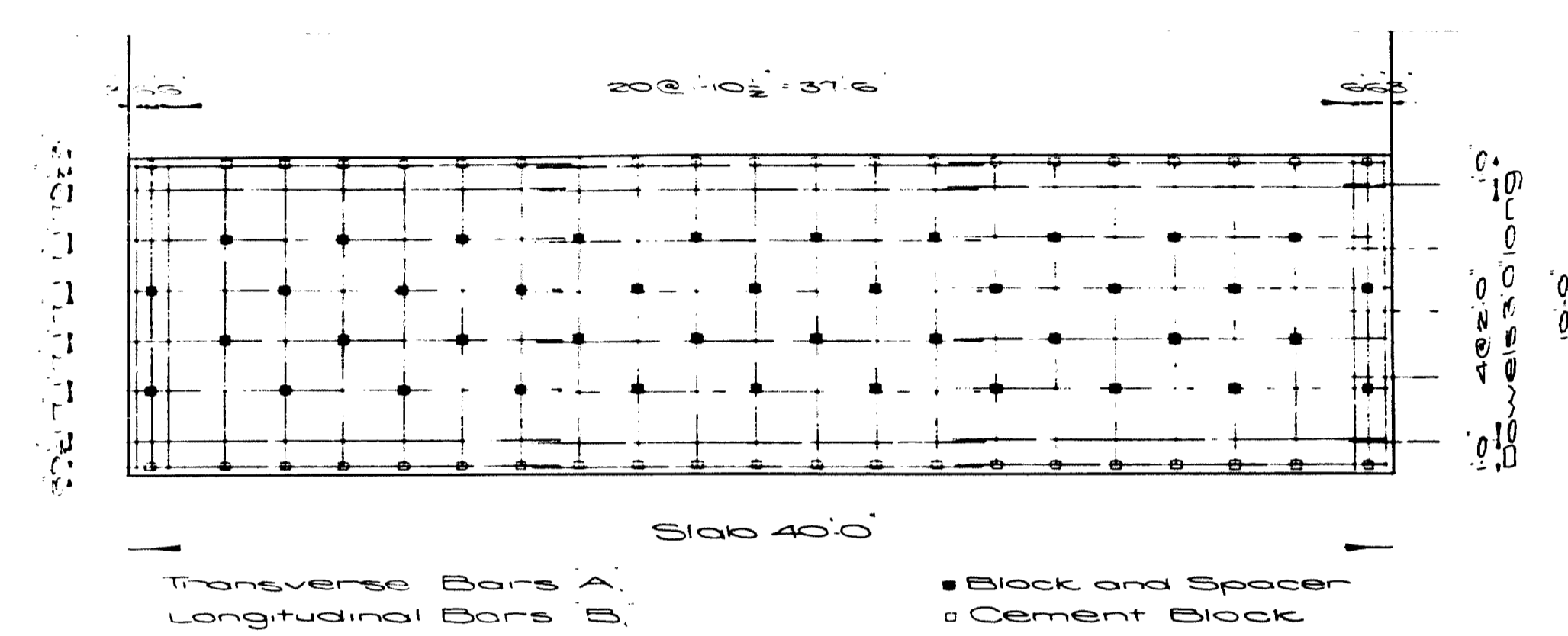
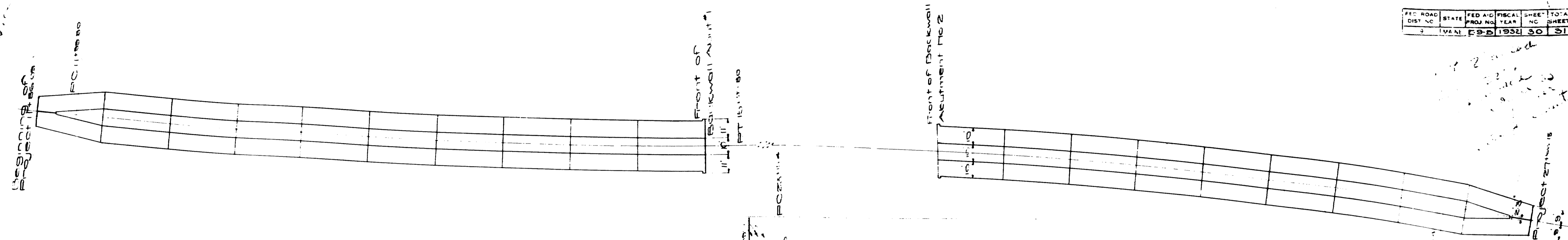
Floor Details Plate Girder Spans
Sheet 26 of 31 Augusta, Me. 1932



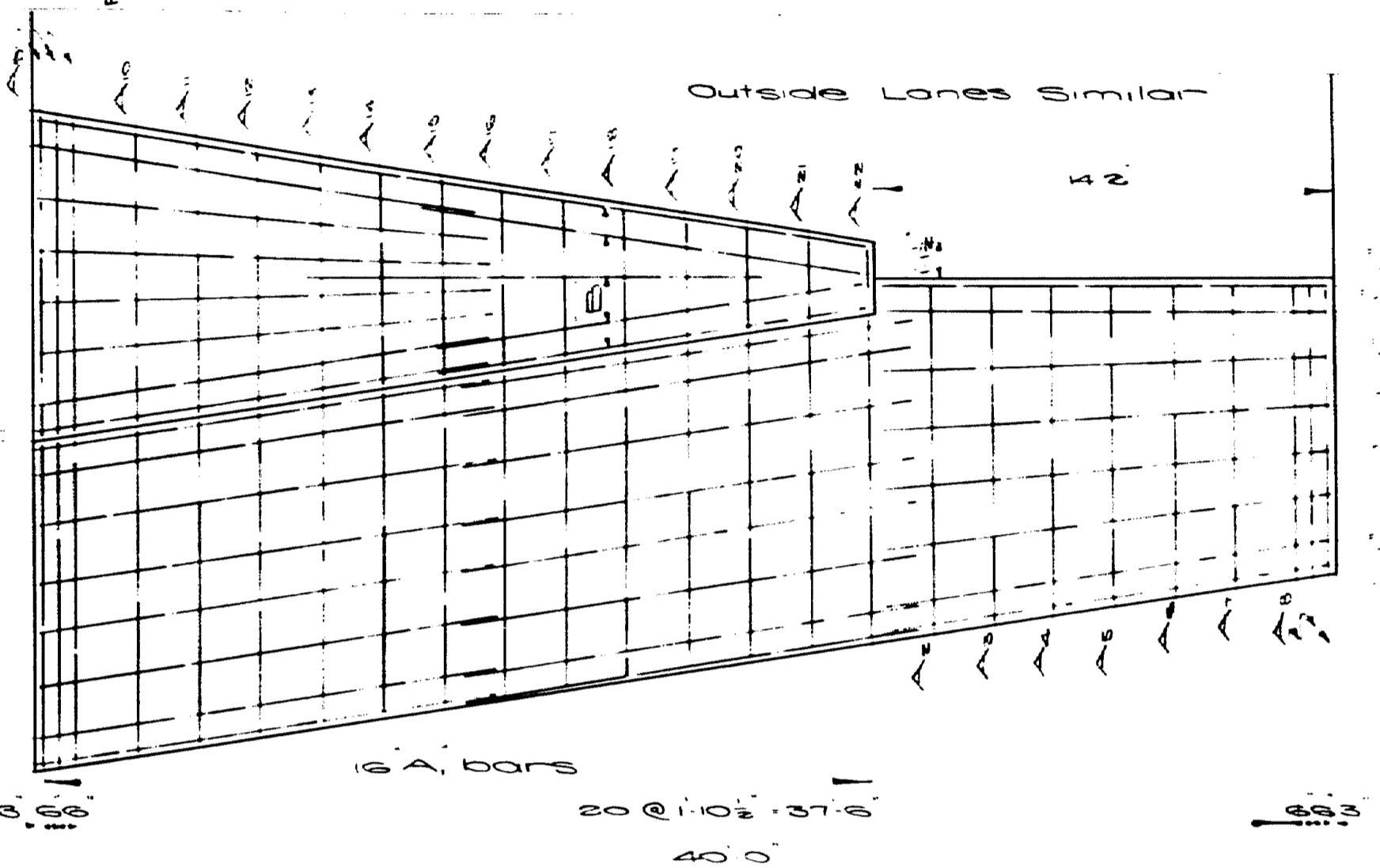
Town 03-07
 Bridge 2702
 Maine Highway Commission
 Bridge Division
FALMOUTH RAILROAD
CROSSING
 Over the tracks of
MAINE CENTRAL R.R.
 And the
PRESUMPSCOOT RIVER
 in the town of
FALMOUTH
CUMBERLAND COUNTY
 Superstr. Details Spans 14 & 15
 Sheet 29 of 31 Augusta, Me. 1932.

Revised for adding Span 15 - Feb 27, 33

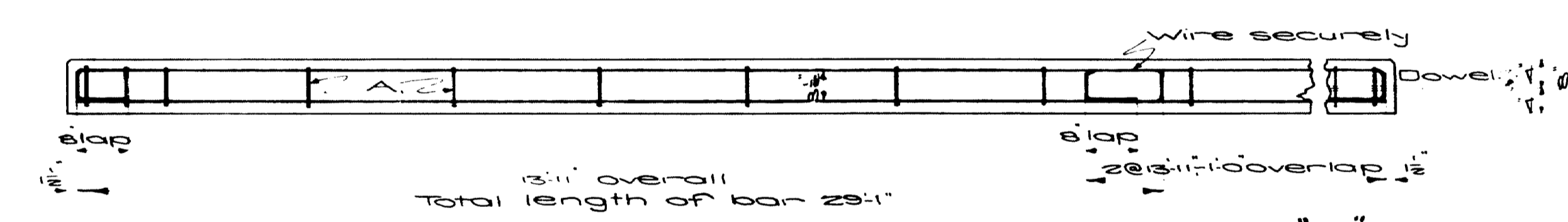




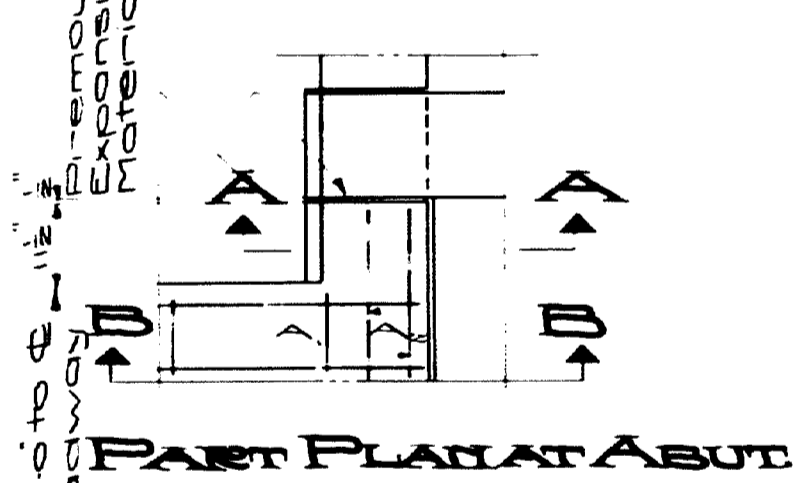
PLAN OF PAVEMENT REINFORCEMENT
STANDARD 10 FT. LANE



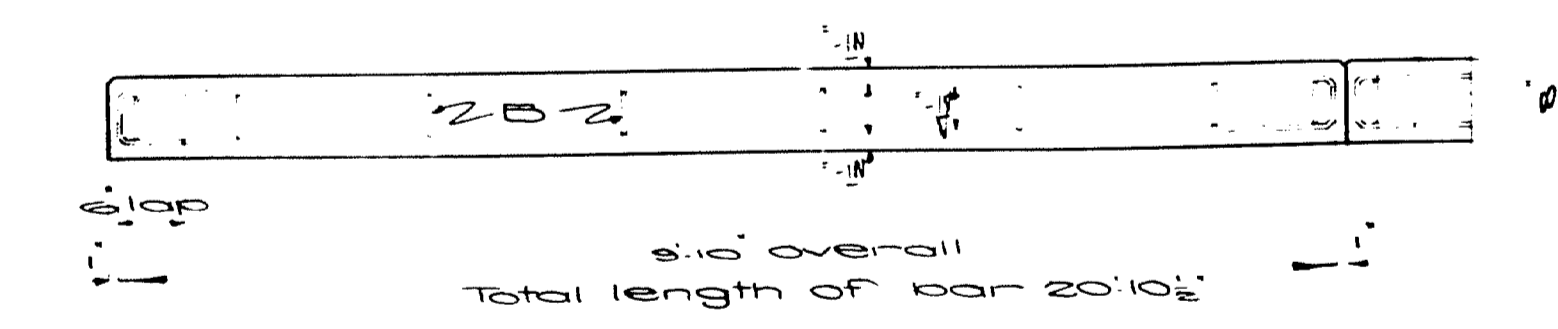
PLAN OF PAVEMENT REINFORCEMENT
END SLAB



PART LONGITUDINAL SECTION SHOWING DETAIL OF "B" BARS



PART PLAN AT ABUT



TRANSVERSE SECTION SHOWING
DETAIL OF "A" BARS IN 1 STANDARD LANE

note - Other "A" bars of similar shape except for overall dimension see Steel Schedule.

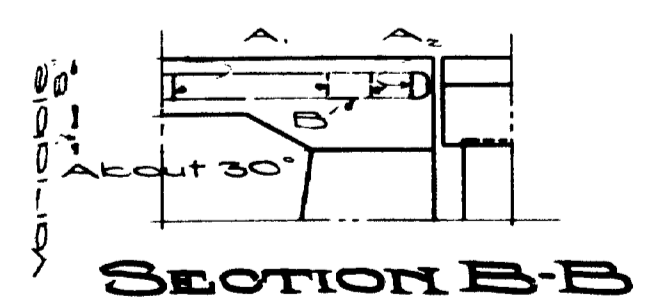
REINFORCEMENT DATA	
Bars	3/8" Plain Steel 0.376 lbs per lin. ft.
Dowels	3/8" - 1.502 lbs per lin. ft.
Dowels	3" 0" long & enclosed in net tubes
A bars	Bent 9' 0" overall, lapped 6" & wired. See Steel Schedule for A bars
B bars	Bent 13' 0" overall, lapped 6" & wired
Each 10' 40" slab	contains 25 "A" bars and 24 "B" bars made up in sections. Each section to be securely wired before placing.
Outside lanes of end slabs	have 2 sections of "A" bars and 1 section of "B" bars with "A" bars of varying lengths.
Center wedge section of end slab	contains 13 "A" bars and 16 "B" bars of varying lengths.
Each 10' 40" slab	contains a minimum of 42 cement blocks & spacers and 42 steel reinforcement blocks to support steel. See Detail About 2500 of each required.
Total weight of steel including Dowels	10,827 lbs per sq yd in standard sections.

BLOCK & SPACER
CEMENT BLOCK 3' 3" x 1 1/2"

Blocks to be made of one part Portland Cement and two parts of approved sand and cured under cover for seven days.

Other types of steel castings may be used if approved by the Engineer.

SECTION A-A



SECTION B-B

Revised for adding Span 16 - 3-2-33

TOWN OF FALMOUTH
TOWN OF PRESUMPSOOT
TOWN OF CUMBERLAND

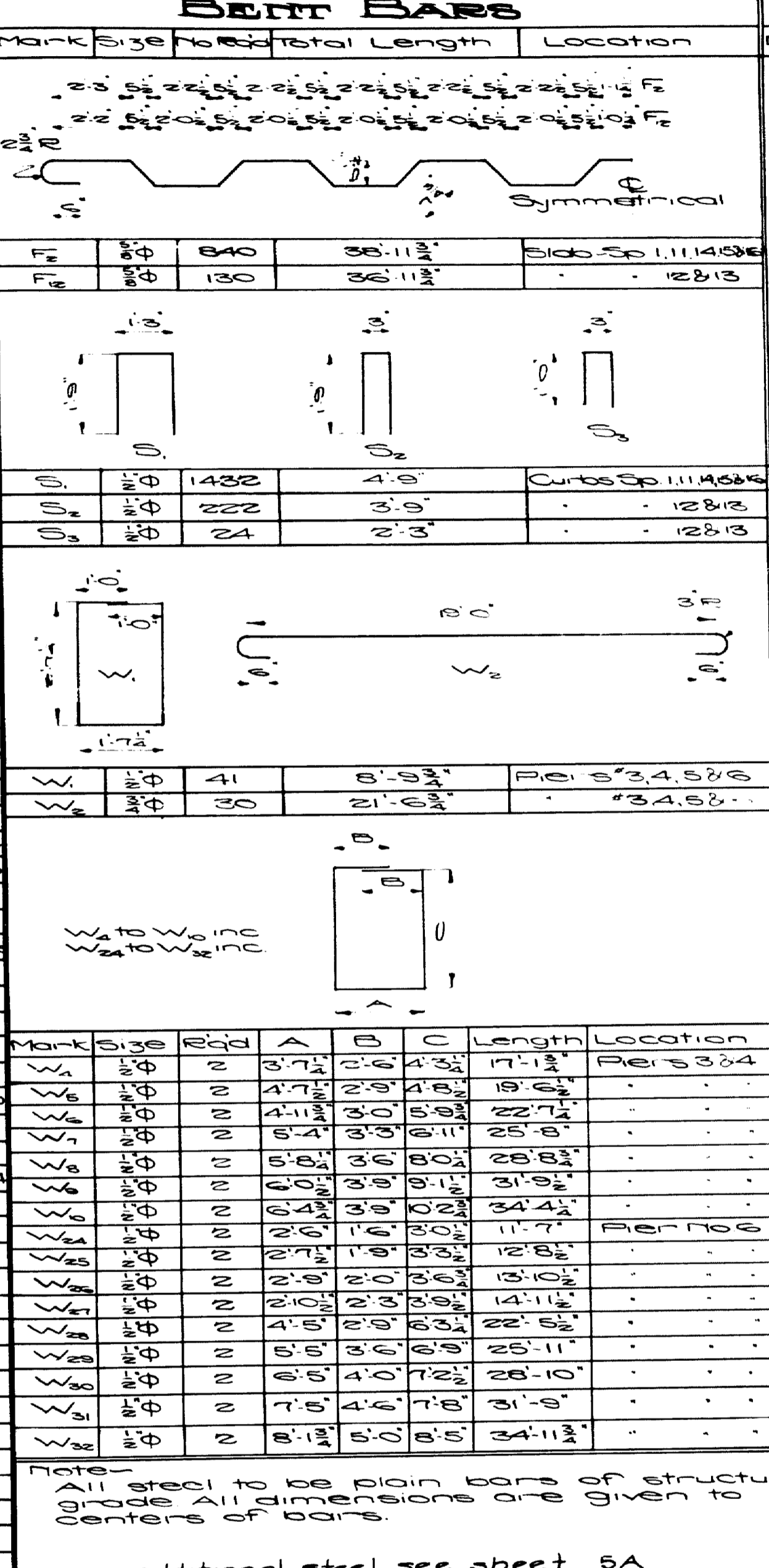
MAINE HIGHWAY COMMISSION
BRIDGE DIVISION

FALMOUTH RAILROAD
CROSSING
OVER THE TRACKS OF
MAINE CENTRAL R. R.
AND THE
PRESUMPSOOT RIVER
IN THE TOWN OF
FALMOUTH
CUMBERLAND COUNTY
APPROACH SLAB DETAILS
Sheet 30 of 31 August, ME 1932

STEEL SCHEDULE

APPROACH SLAB BARS					STRAIGHT BARS					BENT BARS					BENT BARS					
Mark	Size	No Rqd	Overall Length	Total Length	Location	Mark	Size	No Rqd	Length	Location	Mark	Size	No Rqd	Total Length	Location	Mark	Size	No Rqd	Total Length	Location
A ₁	φ 1/2	1335	9'-0"	23'-0"	All slabs	C	φ 1/2	4	45'-10"	Curbs Span 1	W ₁	φ 1/2	2	31'-13"	Piers 3, 4	W ₁	φ 1/2	2	31'-13"	Piers 3, 4
A ₂	φ 1/2	0	0'-0"	22'-7"	End slabs	D	φ 1/2	2	27'-6"	Diaphragm Pier #27	W ₂	φ 1/2	2	28'-11"	Slab Sp 1, 11, 14, 15	W ₂	φ 1/2	2	28'-11"	Slab Sp 1, 11, 14, 15
A ₃	φ 1/2	4	0'-0"	22'-0"		E	φ 1/2	4	26'-0"	Panels 2, 3, 4 Spans 1, 2, 3	W ₃	φ 1/2	2	25'-8"		W ₃	φ 1/2	2	25'-8"	
A ₄	φ 1/2	4	0'-0"	21'-6"		F	φ 1/2	4	25'-0"	Spans 12, 16	W ₄	φ 1/2	2	25'-0"		W ₄	φ 1/2	2	25'-0"	
A ₅	φ 1/2	4	0'-0"	20'-11"		G	φ 1/2	4	25'-0"	Slab - All Spans	W ₅	φ 1/2	2	25'-0"		W ₅	φ 1/2	2	25'-0"	
A ₆	φ 1/2	4	0'-0"	20'-4"		H	φ 1/2	4	25'-0"	Span 1	W ₆	φ 1/2	2	25'-0"		W ₆	φ 1/2	2	25'-0"	
A ₇	φ 1/2	4	0'-0"	19'-9"		I	φ 1/2	4	25'-0"	Span 2	W ₇	φ 1/2	2	25'-0"		W ₇	φ 1/2	2	25'-0"	
A ₈	φ 1/2	4	0'-0"	18'-0"		J	φ 1/2	4	25'-0"	Spans 3, 4	W ₈	φ 1/2	2	25'-0"		W ₈	φ 1/2	2	25'-0"	
A ₉	φ 1/2	4	0'-0"	18'-0"		K	φ 1/2	4	25'-0"	Span 5	W ₉	φ 1/2	2	25'-0"		W ₉	φ 1/2	2	25'-0"	
A ₁₀	φ 1/2	4	0'-0"	18'-0"		L	φ 1/2	4	25'-0"	Span 5, 8, 10	W ₁₀	φ 1/2	2	25'-0"		W ₁₀	φ 1/2	2	25'-0"	
A ₁₁	φ 1/2	2	0'-0"	17'-0"		M	φ 1/2	2	25'-0"	Span 11	W ₁₁	φ 1/2	2	25'-0"		W ₁₁	φ 1/2	2	25'-0"	
A ₁₂	φ 1/2	2	0'-0"	16'-9"		N	φ 1/2	2	25'-0"	Span 12, 14	W ₁₂	φ 1/2	2	25'-0"		W ₁₂	φ 1/2	2	25'-0"	
A ₁₃	φ 1/2	2	0'-0"	15'-7"		O	φ 1/2	2	25'-0"	Span 13	W ₁₃	φ 1/2	2	25'-0"		W ₁₃	φ 1/2	2	25'-0"	
A ₁₄	φ 1/2	2	0'-0"	14'-6"		P	φ 1/2	2	25'-0"	Footings Piers 4, 5, 6	W ₁₄	φ 1/2	2	25'-0"		W ₁₄	φ 1/2	2	25'-0"	
A ₁₅	φ 1/2	2	0'-0"	13'-2"		Q	φ 1/2	2	25'-0"	Pier 5	W ₁₅	φ 1/2	2	25'-0"		W ₁₅	φ 1/2	2	25'-0"	
A ₁₆	φ 1/2	2	0'-0"	12'-3"		R	φ 1/2	2	25'-0"	Abuts No 182	W ₁₆	φ 1/2	2	25'-0"		W ₁₆	φ 1/2	2	25'-0"	
A ₁₇	φ 1/2	2	0'-0"	11'-1"		S	φ 1/2	2	25'-0"	Pier 6	W ₁₇	φ 1/2	2	25'-0"		W ₁₇	φ 1/2	2	25'-0"	
A ₁₈	φ 1/2	2	0'-0"	10'-0"		T	φ 1/2	2	25'-0"	Abuts No 182	W ₁₈	φ 1/2	2	25'-0"		W ₁₈	φ 1/2	2	25'-0"	
A ₁₉	φ 1/2	2	0'-0"	9'-0"		U	φ 1/2	2	25'-0"	Abuts No 182	W ₁₉	φ 1/2	2	25'-0"		W ₁₉	φ 1/2	2	25'-0"	
A ₂₀	φ 1/2	2	0'-0"	8'-7"		V	φ 1/2	2	25'-0"	Abuts No 182	W ₂₀	φ 1/2	2	25'-0"		W ₂₀	φ 1/2	2	25'-0"	
A ₂₁	φ 1/2	2	0'-0"	8'-0"		W	φ 1/2	2	25'-0"	Abuts No 182	W ₂₁	φ 1/2	2	25'-0"		W ₂₁	φ 1/2	2	25'-0"	
A ₂₂	φ 1/2	2	0'-0"	7'-0"		X	φ 1/2	2	25'-0"	Abuts No 182	W ₂₂	φ 1/2	2	25'-0"		W ₂₂	φ 1/2	2	25'-0"	
A ₂₃	φ 1/2	2	0'-0"	6'-7"		Y	φ 1/2	2	25'-0"	Abuts No 182	W ₂₃	φ 1/2	2	25'-0"		W ₂₃	φ 1/2	2	25'-0"	
B	φ 1/2	1346	13'-11"	29'-1"	All slabs	Y ₁	φ 1/2	2	25'-0"	Abuts No 182	W ₂₄	φ 1/2	2	25'-0"		W ₂₄	φ 1/2	2	25'-0"	
Dowels	φ 1/2	285	3'-0"	3'-0"	Slab joints	Z	φ 1/2	2	25'-0"	Abuts No 182	W ₂₅	φ 1/2	2	25'-0"		W ₂₅	φ 1/2	2	25'-0"	

STRAIGHT BARS				
Mark	Size	No Rqd	Length	Location
T ₁	φ 1/2	31	51'-0"	Wear Surf Span 15
F ₁	φ 1/2	26	51'-0"	Slab Span 15
C ₁	φ 1/2	4	52'-3"	Curbs Span 15
R ₅	φ 1/2	64	5'-8 1/2"	Rail Bars Span 15



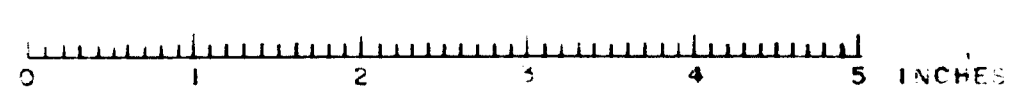
Note: All steel to be plain bars of structural grade. All dimensions are given to centers of bars.
 For additional steel see sheet 5A

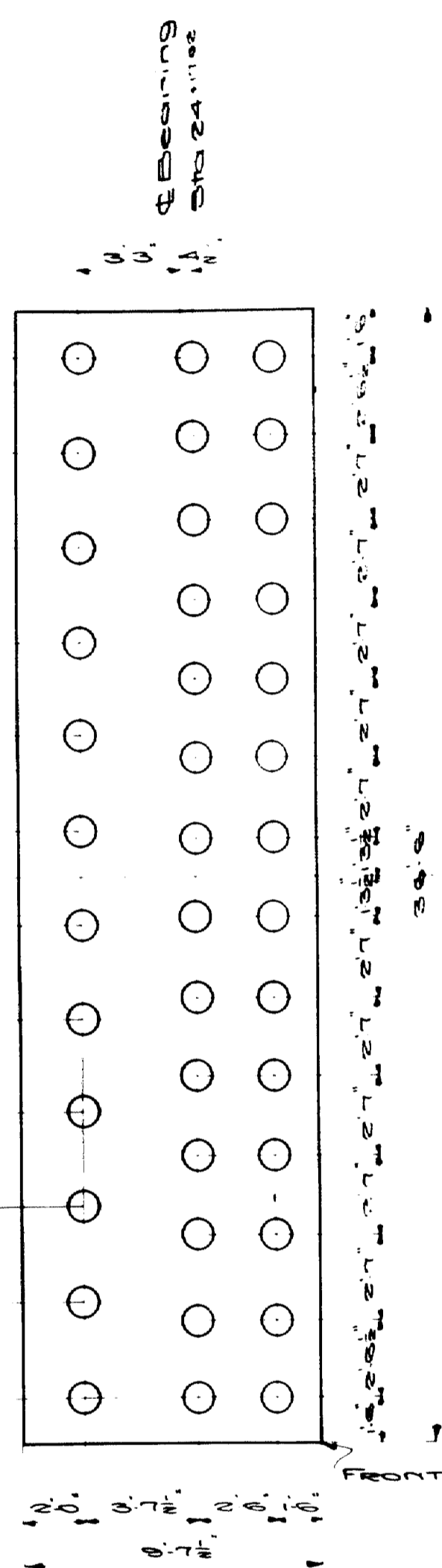
Note: Use of original U₃ bars to be used in Pier #27

U ₃	φ 1/2	160	2'-0"	Pier & Abut. Br Seats
U ₂	φ 1/2	3	27'-6"	Diaphragm Pier #27
U ₁	φ 1/2	28	9'-4"	Abut #2
U ₄	φ 1/2	4	45'-2"	Curbs Span 15
F ₁₀	φ 1/2	26	45'-3"	Slab Span 15
T ₁₃	φ 1/2	31	45'-4"	Wear Surf Span 15

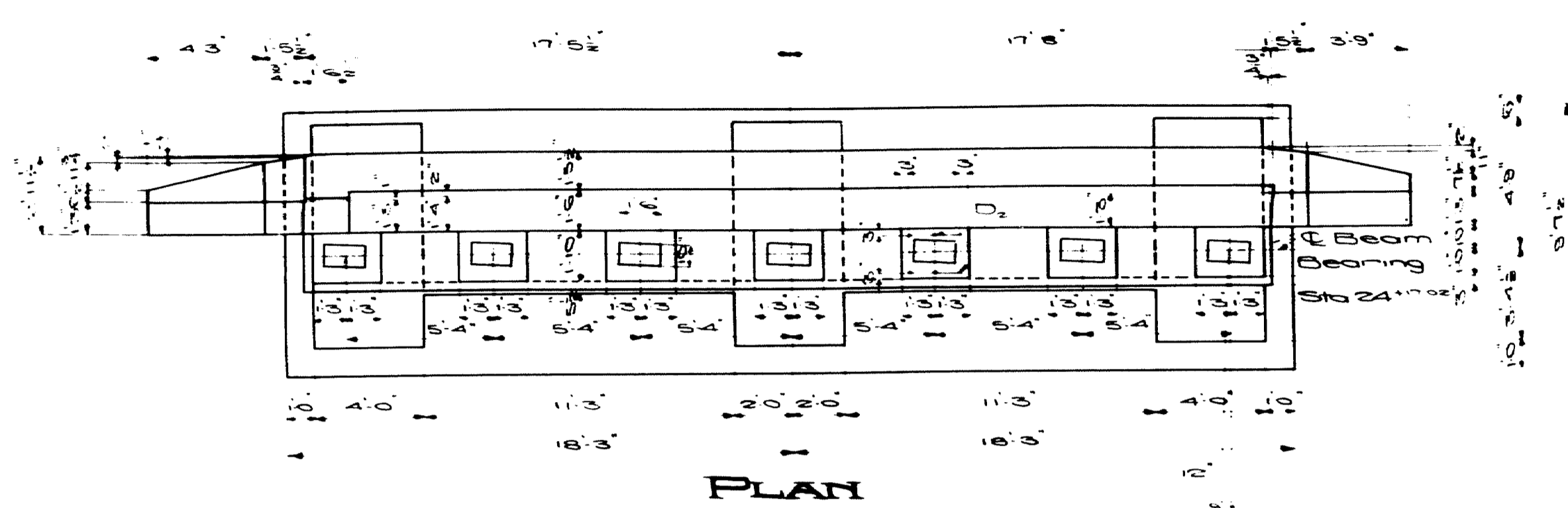
MAINE Highway Commission
 Bridge Division
FALMOUTH RAILROAD CROSSING
 OVER THE TRACKS OF
MAINE CENTRAL R.R.
 AND THE
PRESUMPSOT RIVER
 IN THE TOWN OF
FALMOUTH
 CUMBERLAND COUNTY
 REINFORCING STEEL
 Sheet 31 of 31 August, Me 1932

Revised for adding Span 15 - 3-23-35 CLP
 * Revised 2-7-35 - CLP
 Checked by J. D. K.

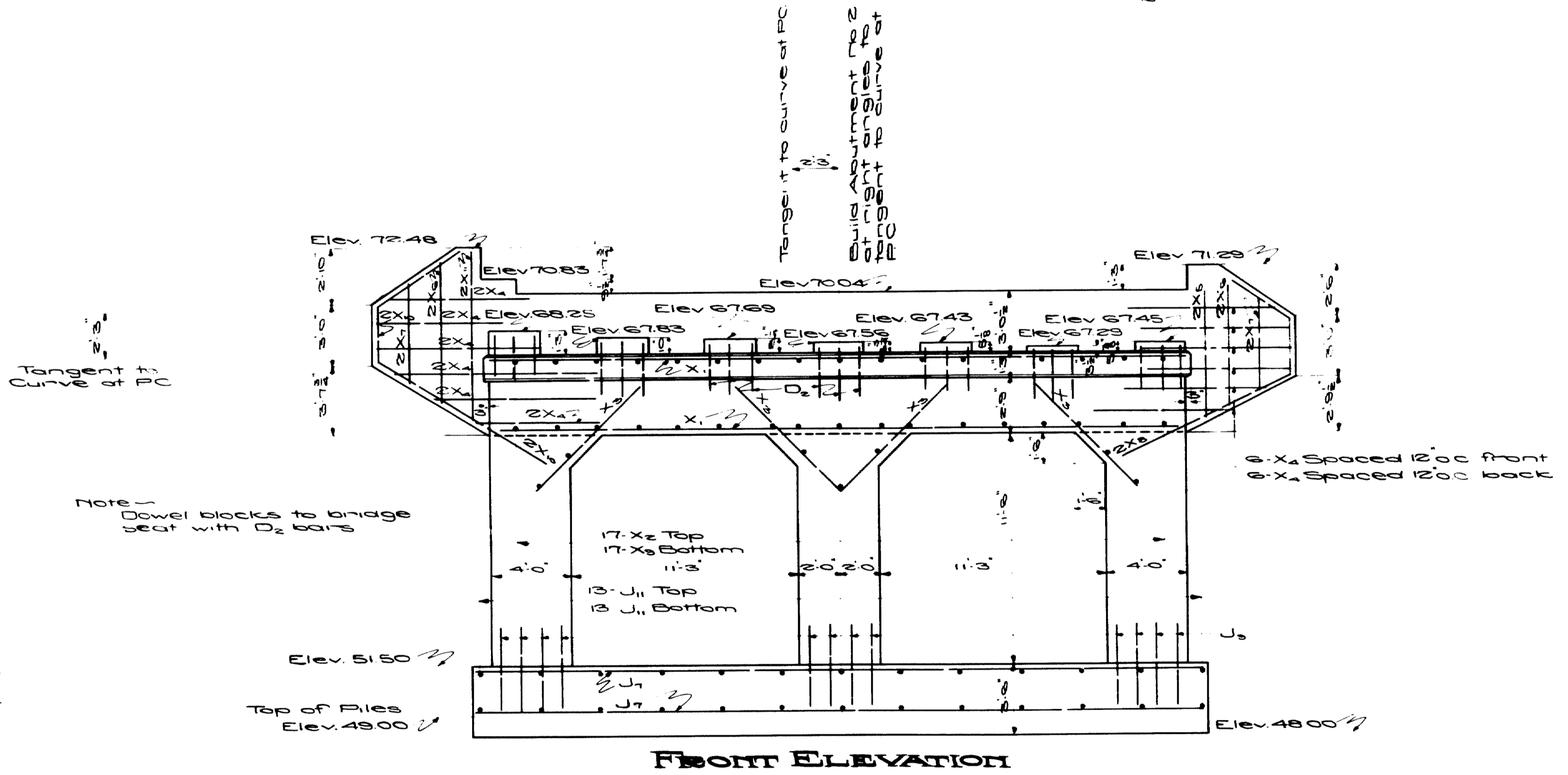




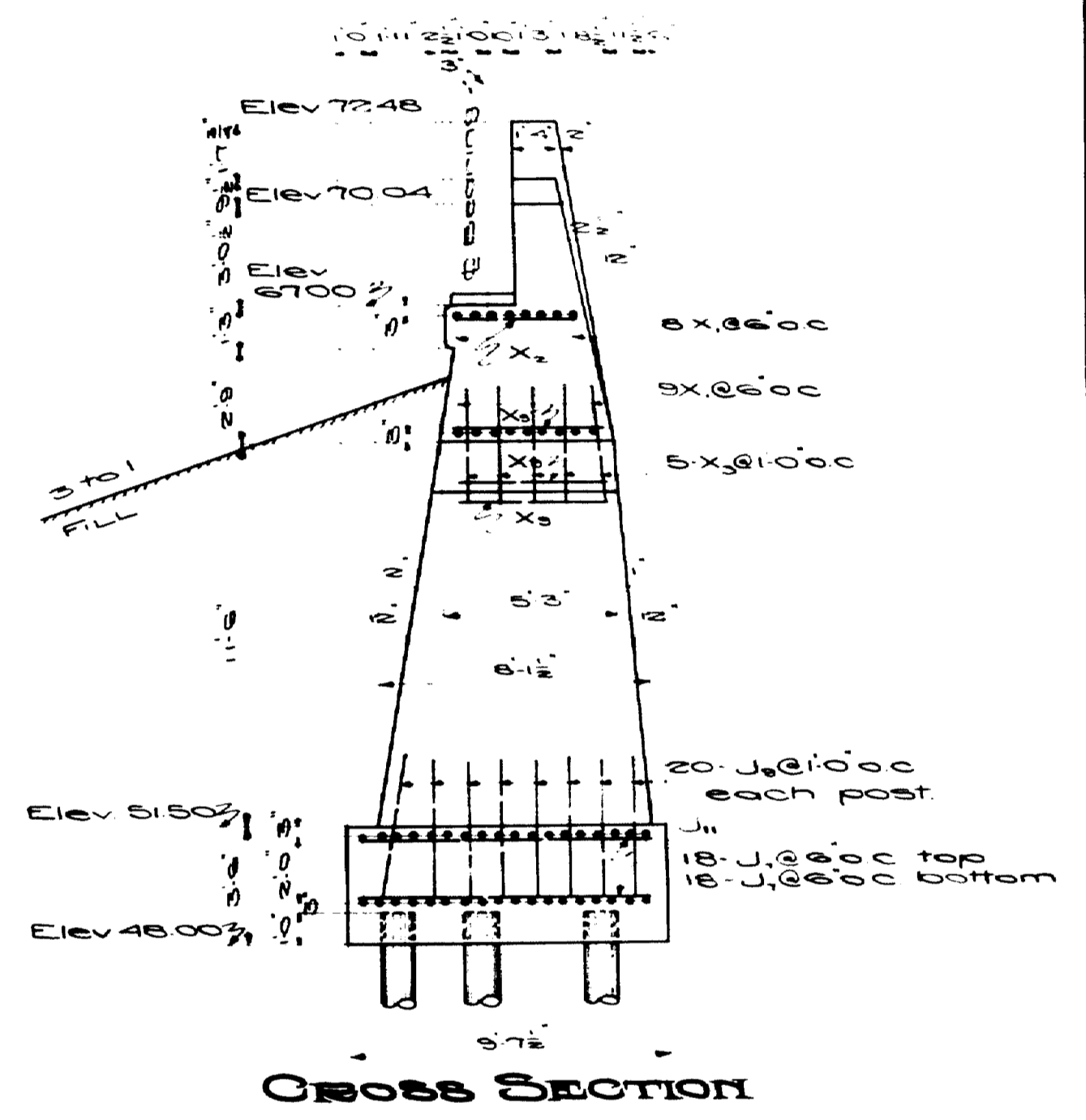
PILING PLAN
40 - 15 Ton
Piles



Note
Shaded portions shown on plan view designate bearing areas



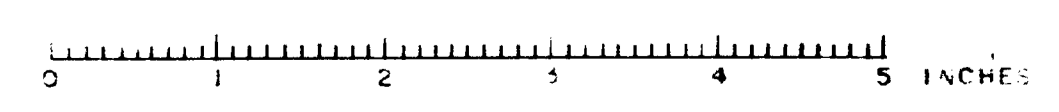
FRONT ELEVATION

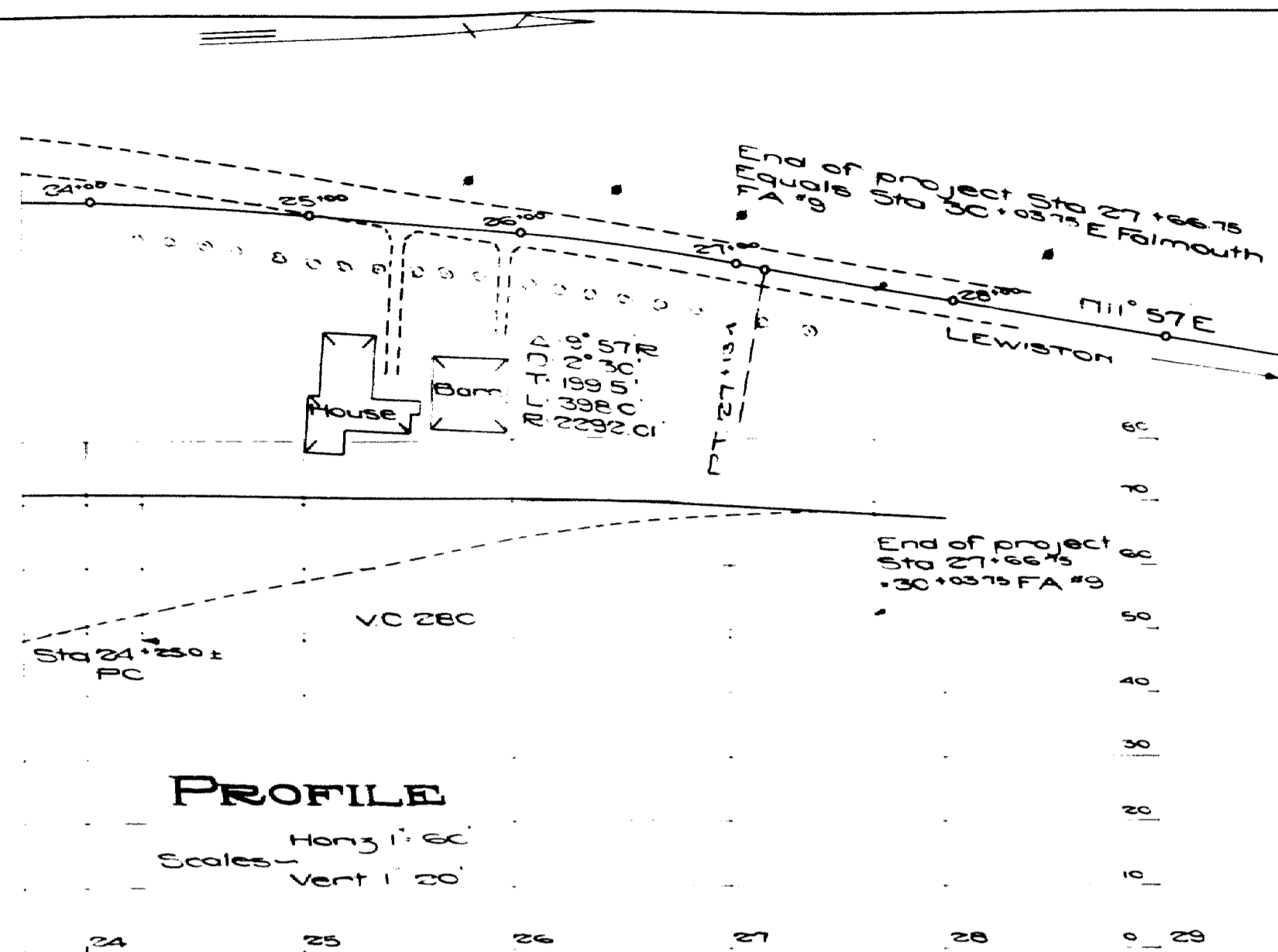


CROSS SECTION

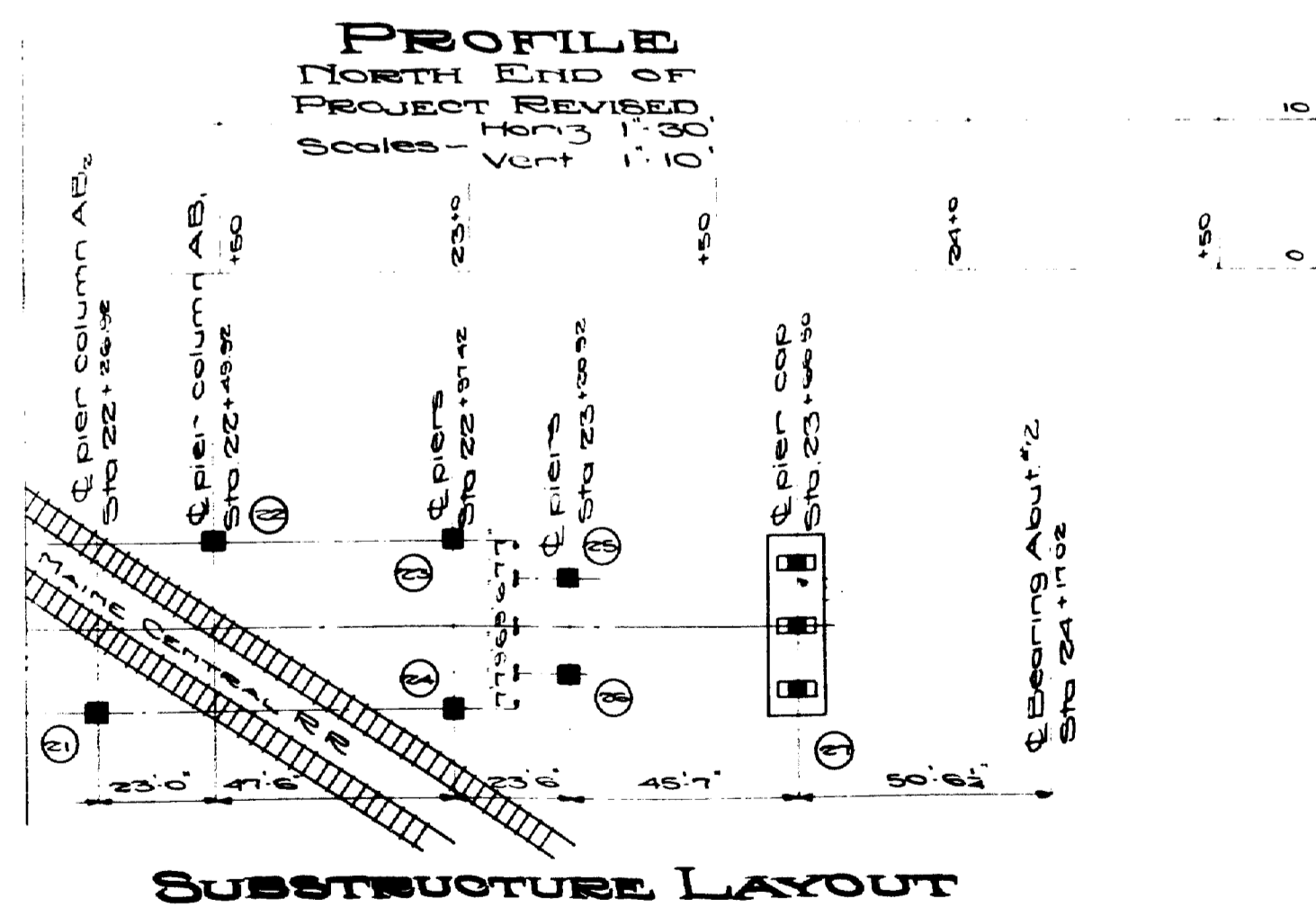
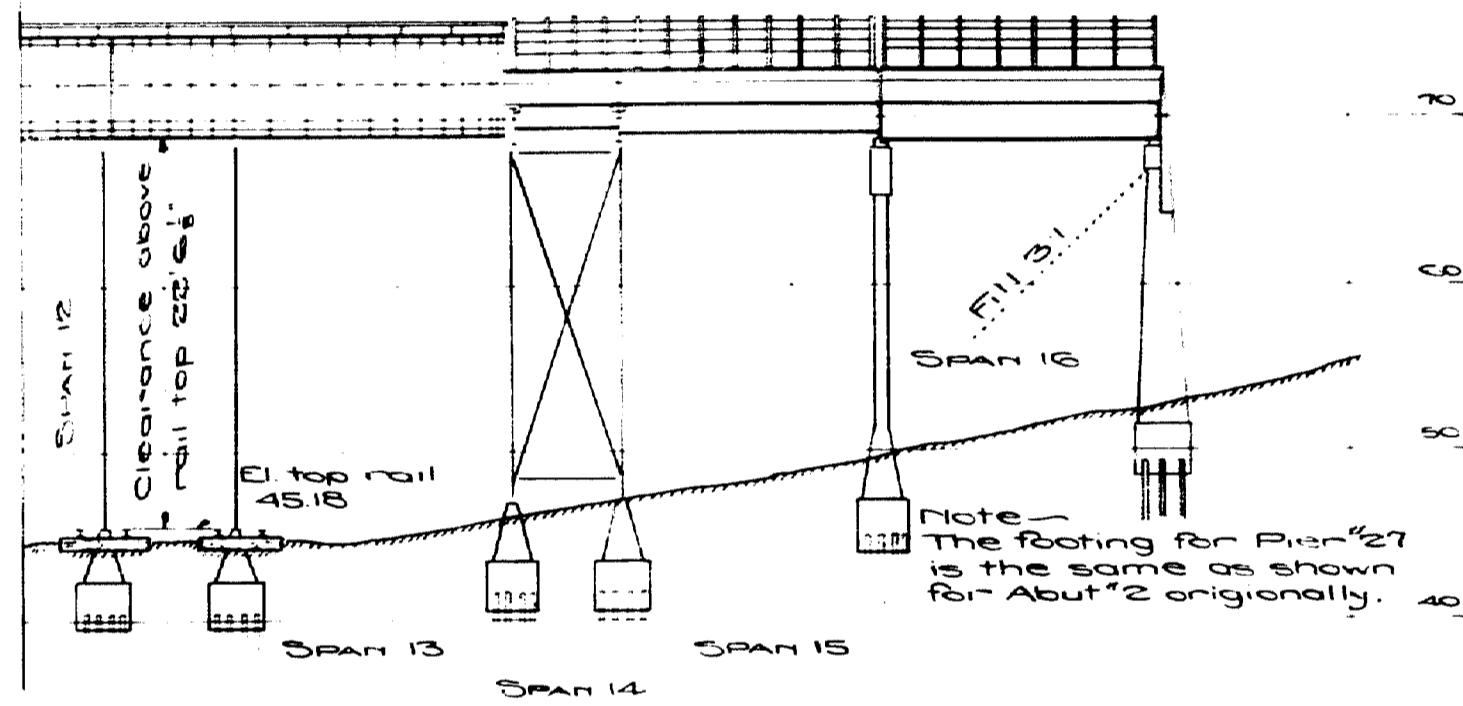
Town 0307
Bridge 2702

MAINE Highway Commission
BRIDGE DIVISION
FALMOUTH R.R. CROSSING
OVER THE TRACES OF
MAINE CENTRAL R.R.
AND THE
PRESUMSCOT RIVER
IN THE TOWN OF
FALMOUTH
CUMBERLAND COUNTY
DETAILS ABOUT FIG. 2
Sheet 32 of Augusta, Me. 2-9-1933

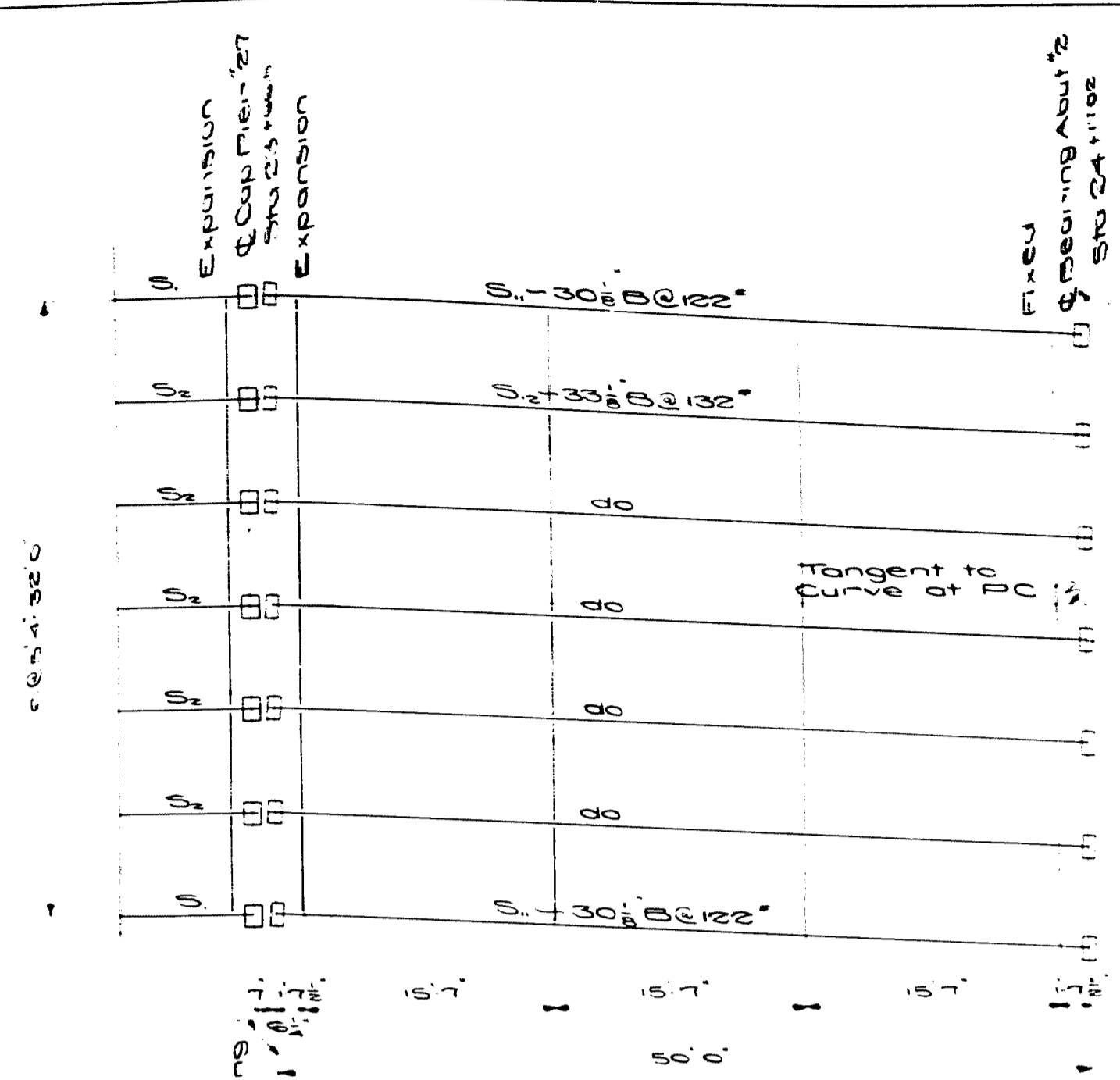




NORTH END OF PROFILE REVISED



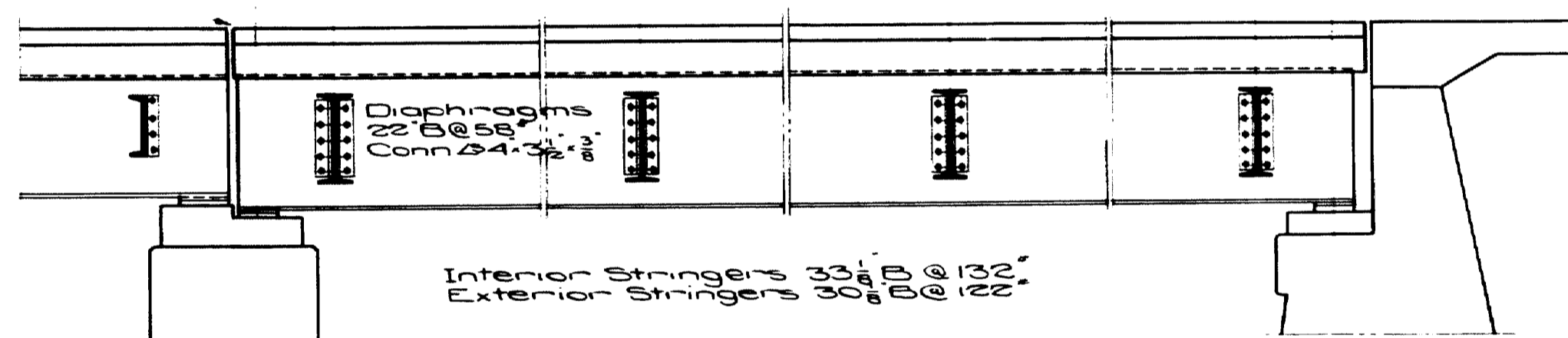
SUBSTRUCTURE LAYOUT



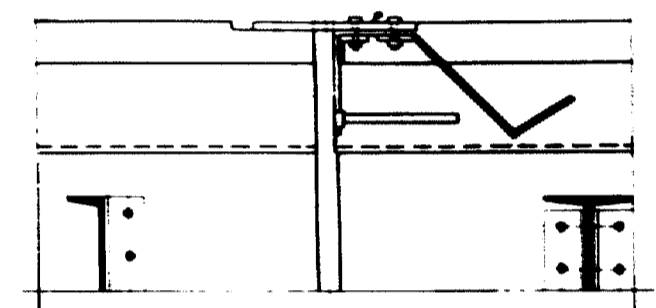
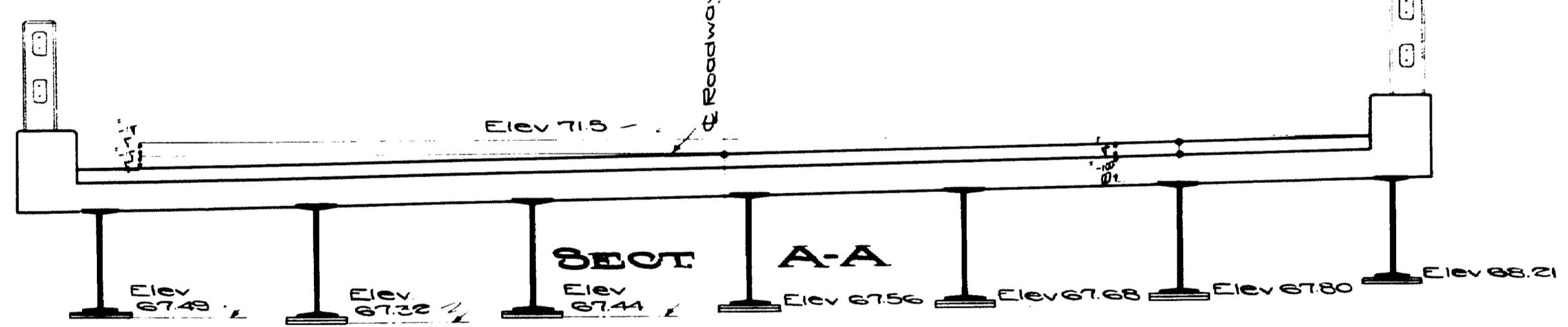
SPAN 16

Note - Cable gutters are required on earth slopes of Abuts.

For Floor Details at this point see elsewhere on this sheet

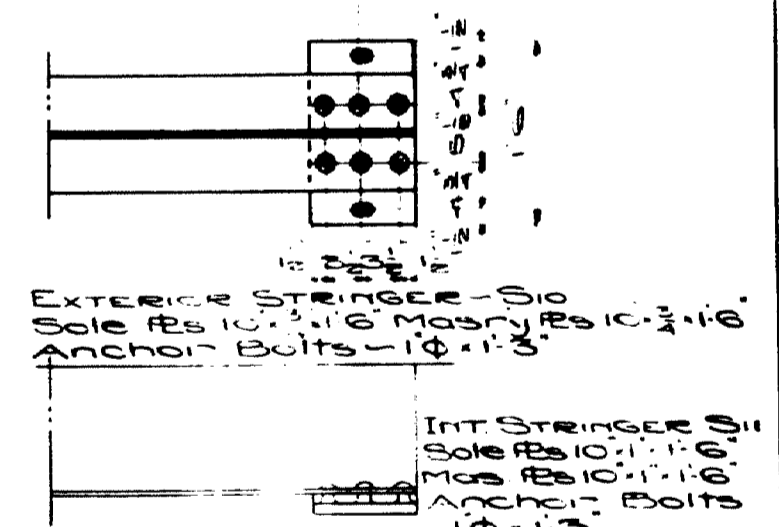


SECTION ALONG TANGENT SPAN 16



FLOOR DETAIL AT PIER #27

Sole for Expansion End Slotted Holes 1 1/2\"/>



BEARING DETAILS SPAN 16

Town - 03-07 Bridge - 2702
 MAINE Highway Commission
 BRIDGE DIVISION
FALMOUTH RAILROAD CROSSING
 OVER THE TRACKS OF
MAINE CENTRAL R.R.
 AND THE
PRESUMPSCOT RIVER
 IN THE TOWN OF
FALMOUTH CUMBERLAND COUNTY
 REVISION - NORTH END OF PROJECT
 STEEL DETAILS SPAN 16
 Sheet 33 of Augusta, Me. Feb. 1933.

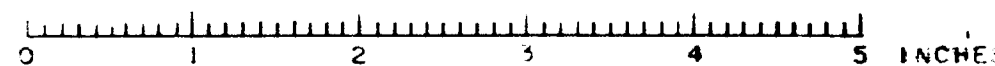
STRINGER S11

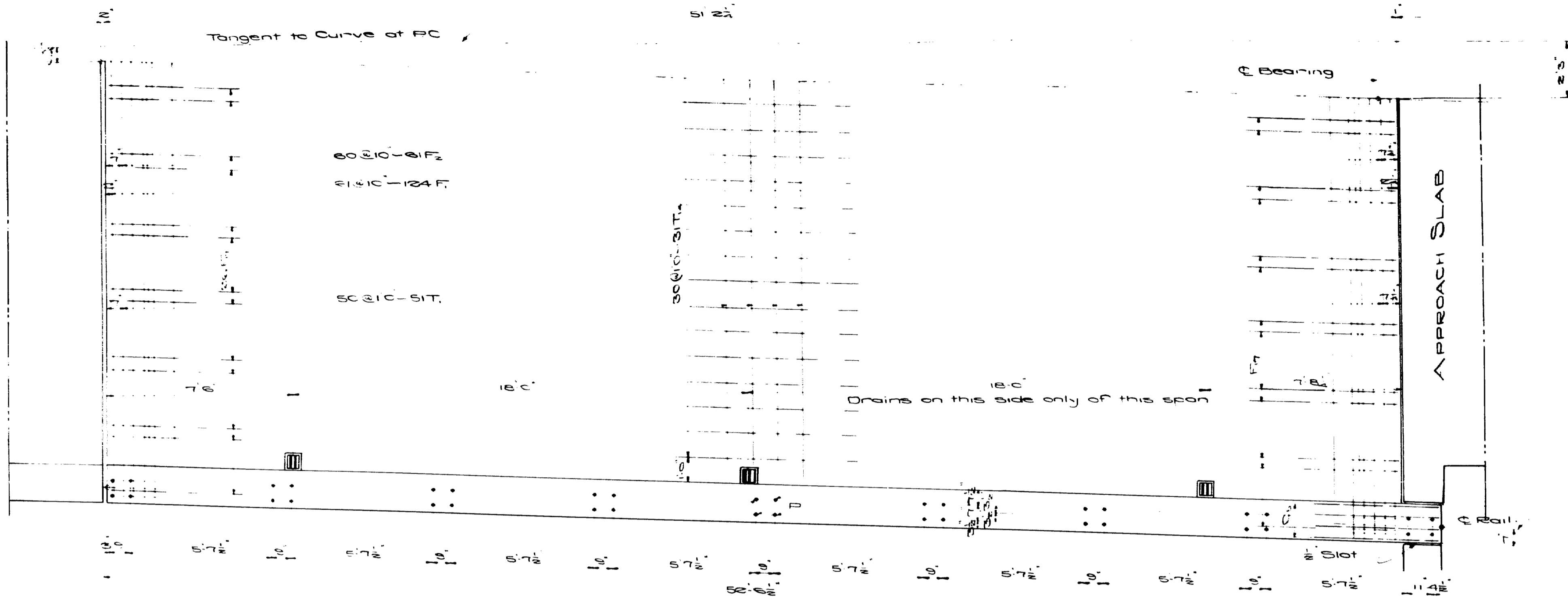
Cl 7	300	DLM - 1124' 50" x 15"	4215,000
Slab	444	LLM - 2005,100' x 33"	1,440,500
V/B	133	Imp - 286'	412,100
Bm	125	100% LL+I	1,552,900
0.3	122		7,920,500
Reqd S-3300 Use 30 1/2 B @ 122"			S-3477

STRINGER S12

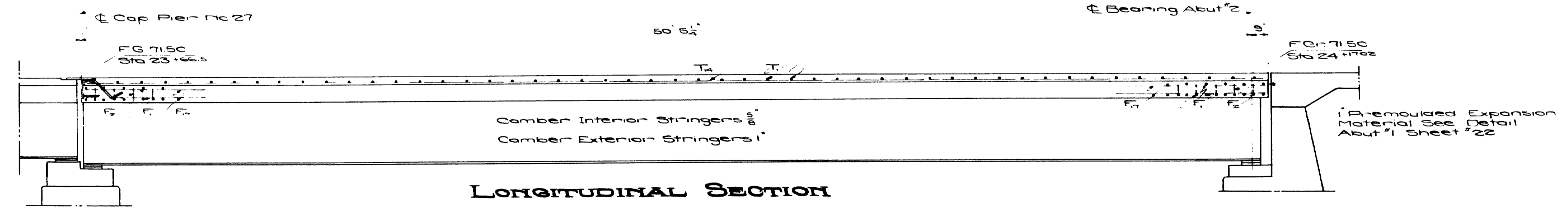
Slab	568	DLM - 967' 50" x 15"	3,626,300
V/B	267	LLM - 2005,100' x 33"	2,374,900
Bm	132	Imp - 286'	673,200
0.3	967	100% LL+I	3,054,100
Reqd S-4056 Use 33 1/2 B @ 132"			S-1130

For Details of Expansion Dam see Sheet No 21

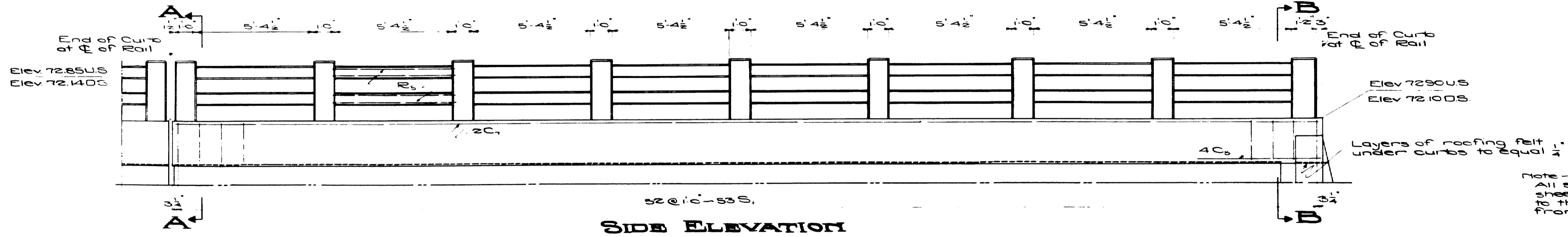




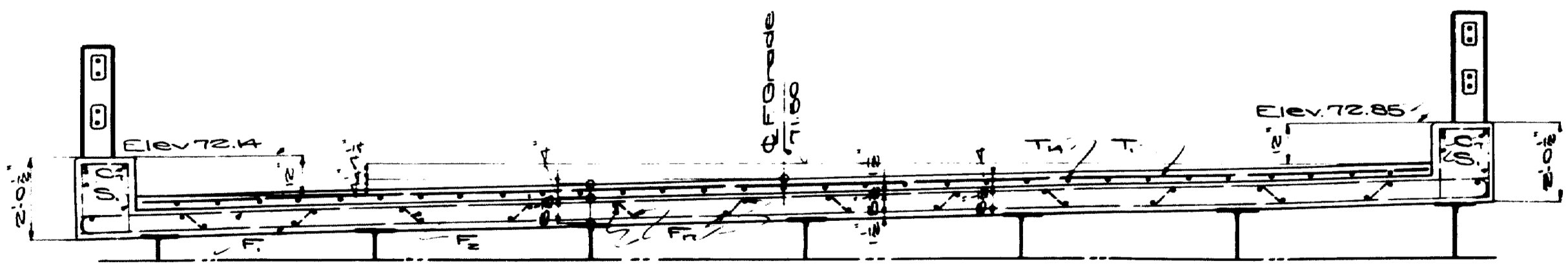
PLAN SPAN 16



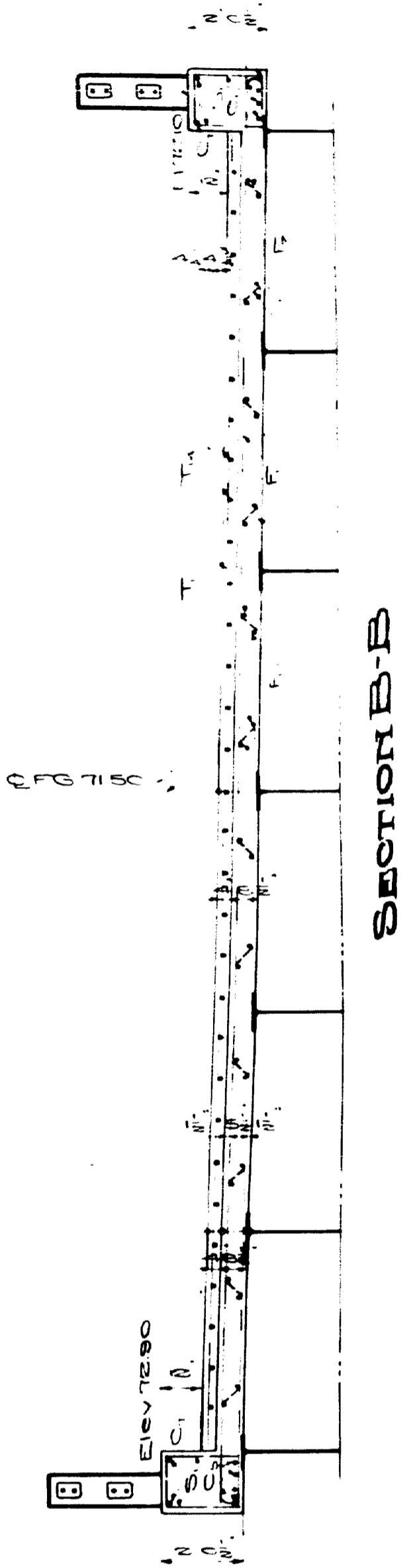
LONGITUDINAL SECTION



SIDE ELEVATION



SECTION A-A



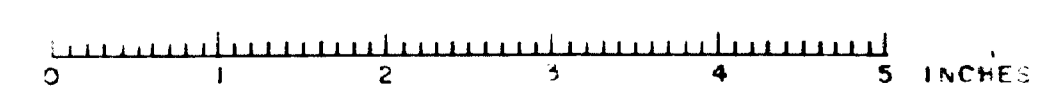
SECTION B-B

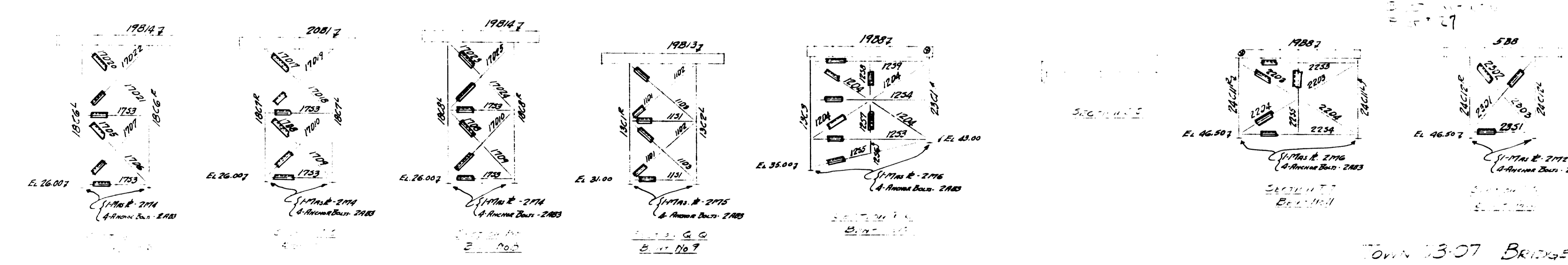
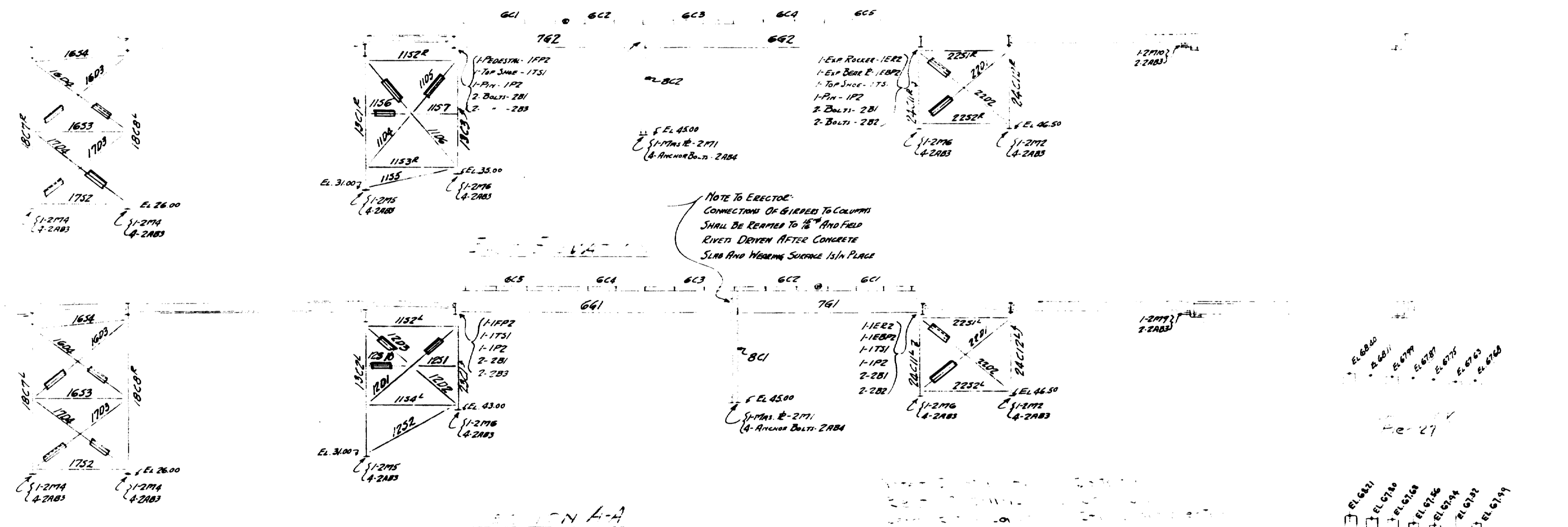
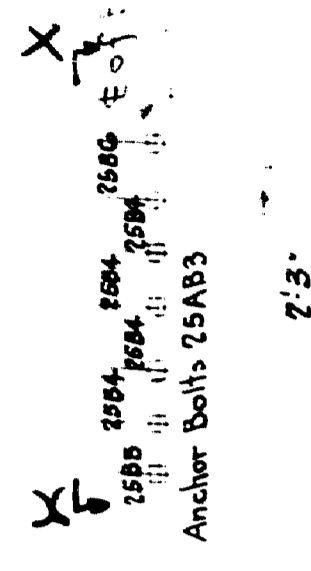
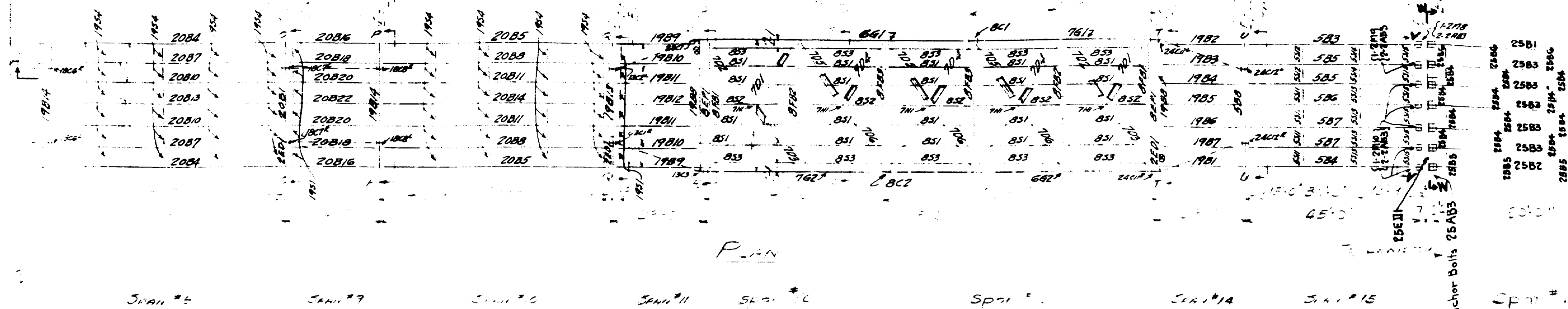
Note - All stations shown on this sheet are on the tangent to the horizontal curve from the PC

Note - Wearing surface to be placed so that a curb height of 12" is maintained.

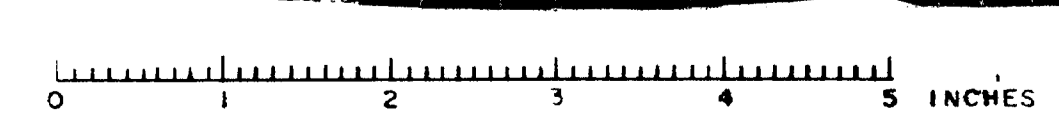
Town 03-07
Bridge 2702

MAINE HIGHWAY COMMISSION
BRIDGE DIVISION
FALMOUTH RAILROAD CROSSING
OVER THE TRACKS OF
MAINE CENTRAL R.R.
AND THE
PRESUMPSCOT RIVER
IN THE TOWN OF
FALMOUTH CUMBERLAND COUNTY
SUPERSTRUCTURE DETAILS SPAN 16
Sheet 34 of August 16, 1933





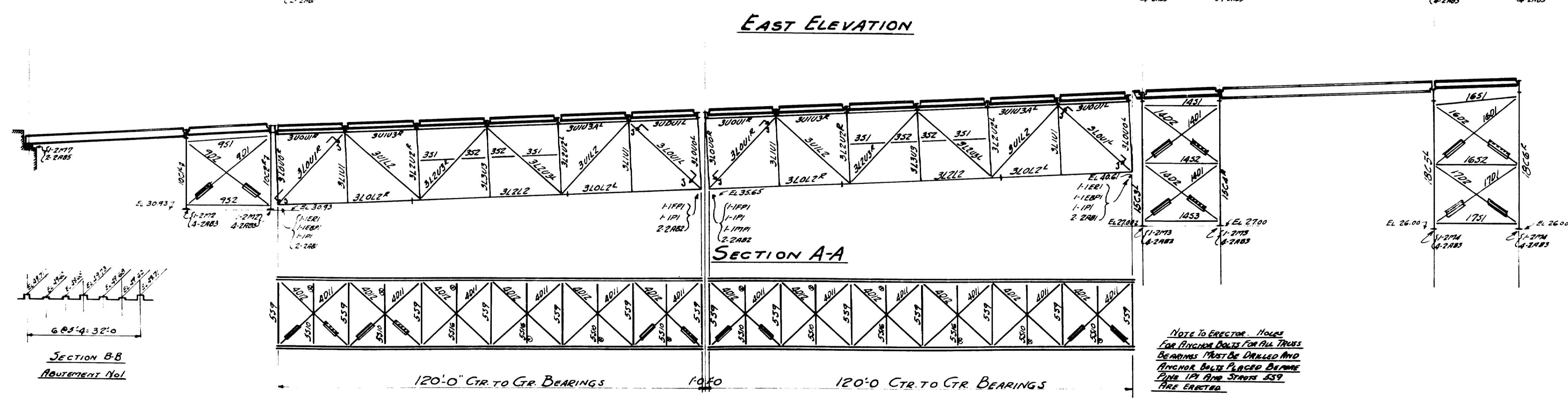
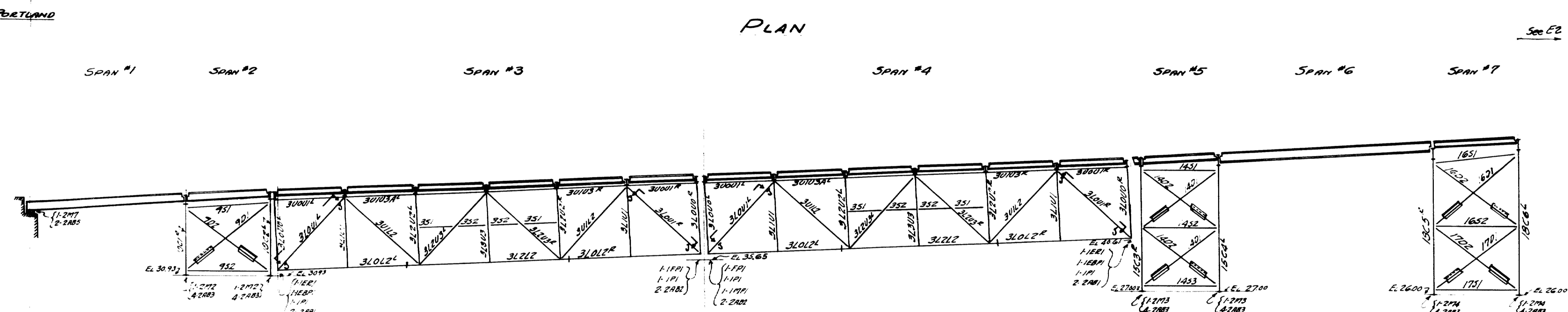
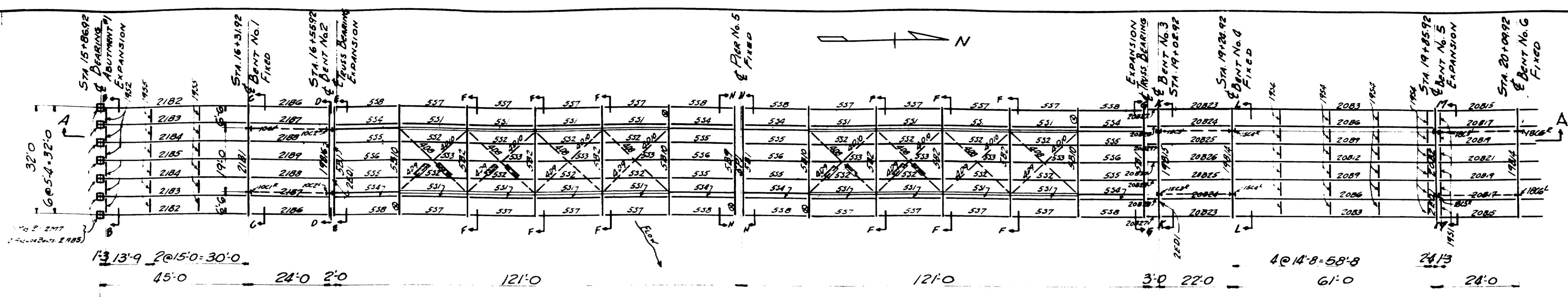
INSPECTION	SHOP RIVETS	WEIGHT	
RIVETS OPEN HOLES UNLESS NOTED			
LACKAWANNA STEEL CONSTRUCTION CORP BUFFALO, N. Y.			
STRUCTURE			
FOR			
DETAILS OF			
SPECIFICATIONS			
SHOP PAINT			
FIELD PAINT			
DRAWN BY	DATE	CHECKED BY DATE ROAD FOREMAN	
NO.	DATE	BY	DESCRIPTION
1			
2			
3			
4			
5			
CONTRACT NO. 476			SHEET NO. 17



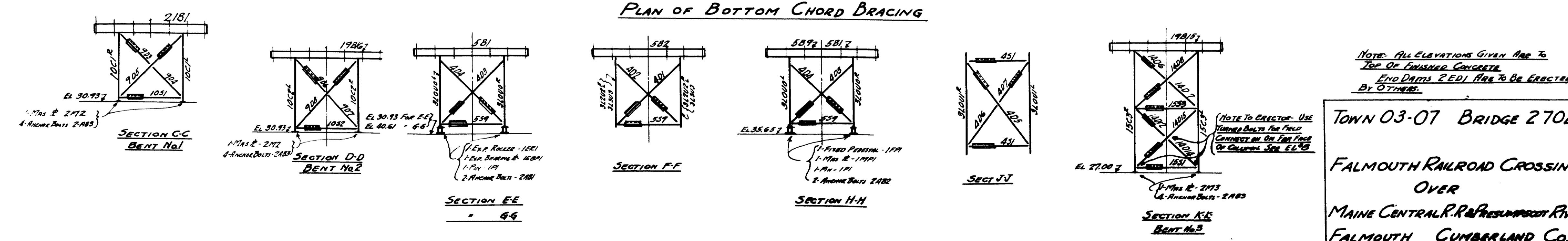
TOWN 13-07 BRIDGE 2762

FALMOUTH RAILROAD BRIDGE

13-2-27



PLAN OF BOTTOM CHORD BRACING



WORK SHTS. ELEC. TOGETHER

INSPECTION	SHOP RIVETS	WEIGHT
P.T.L.		
RIVETS	OPEN HOLES	UNLESS NOTED

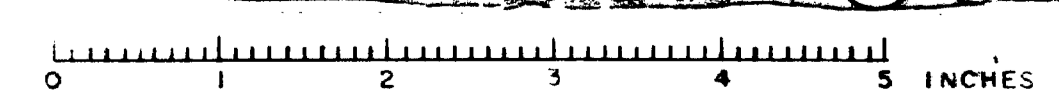
LACKAWANNA STEEL CONSTRUCTION CORP.
BUFFALO, N. Y.

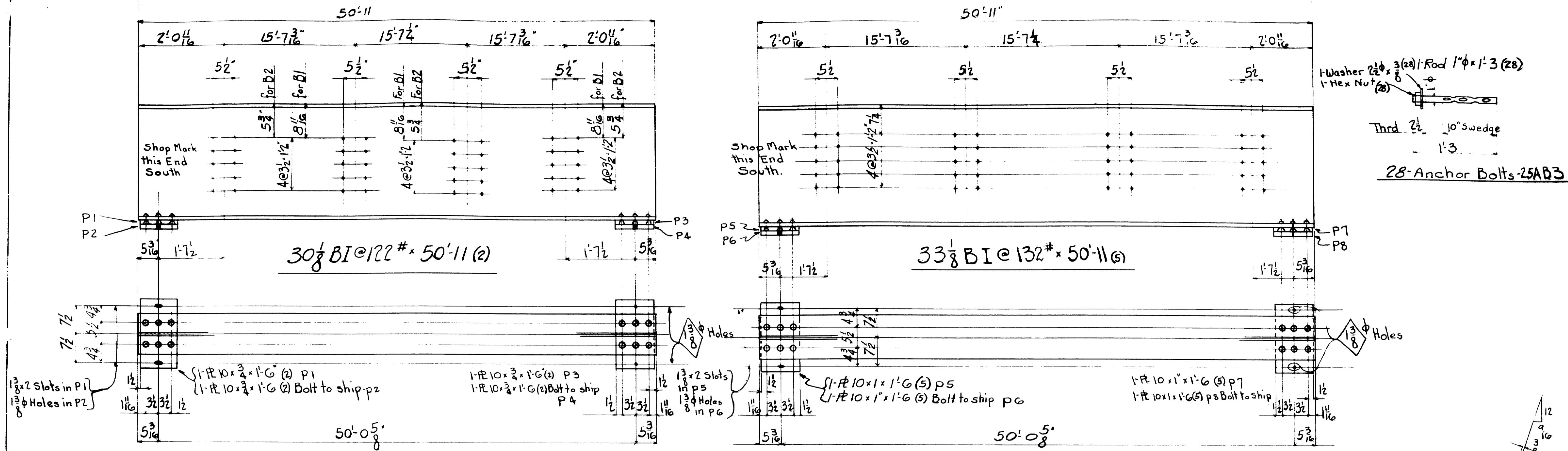
STRUCTURE: FALMOUTH RAILROAD CROSSING
FOR: STATE OF MAINE
DETAILS OF: ERECTION PLAN
SPECIFICATIONS: MAINE STATE HIGHWAY COMPS

TOWN 03-07 BRIDGE 2702

FALMOUTH RAILROAD CROSSING
OVER
MAINE CENTRAL R.R. & PRESUMMOTT RIVER
FALMOUTH CUMBERLAND CO.

CONTRACT NO. 2472 SHEET NO. 1

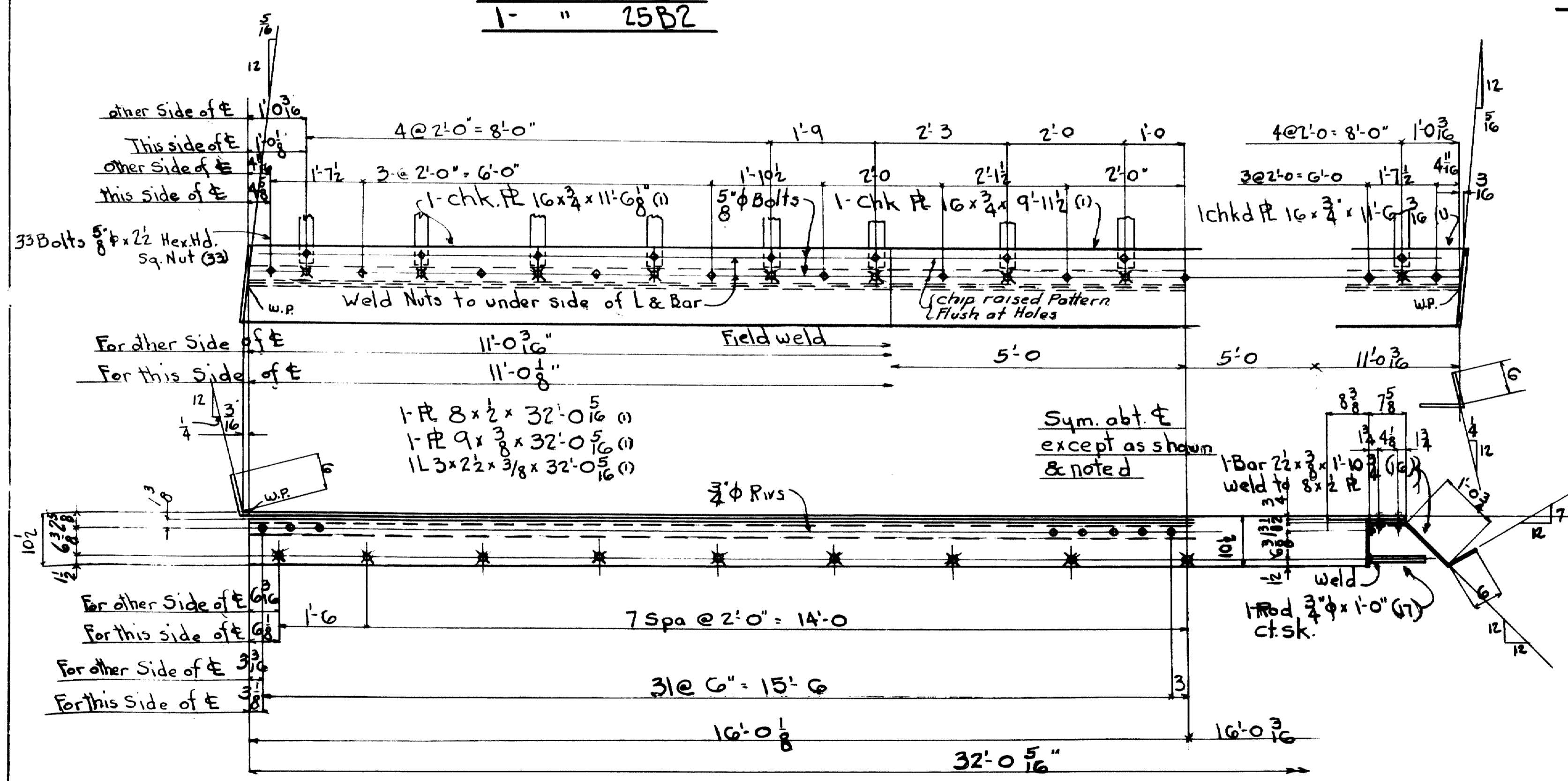




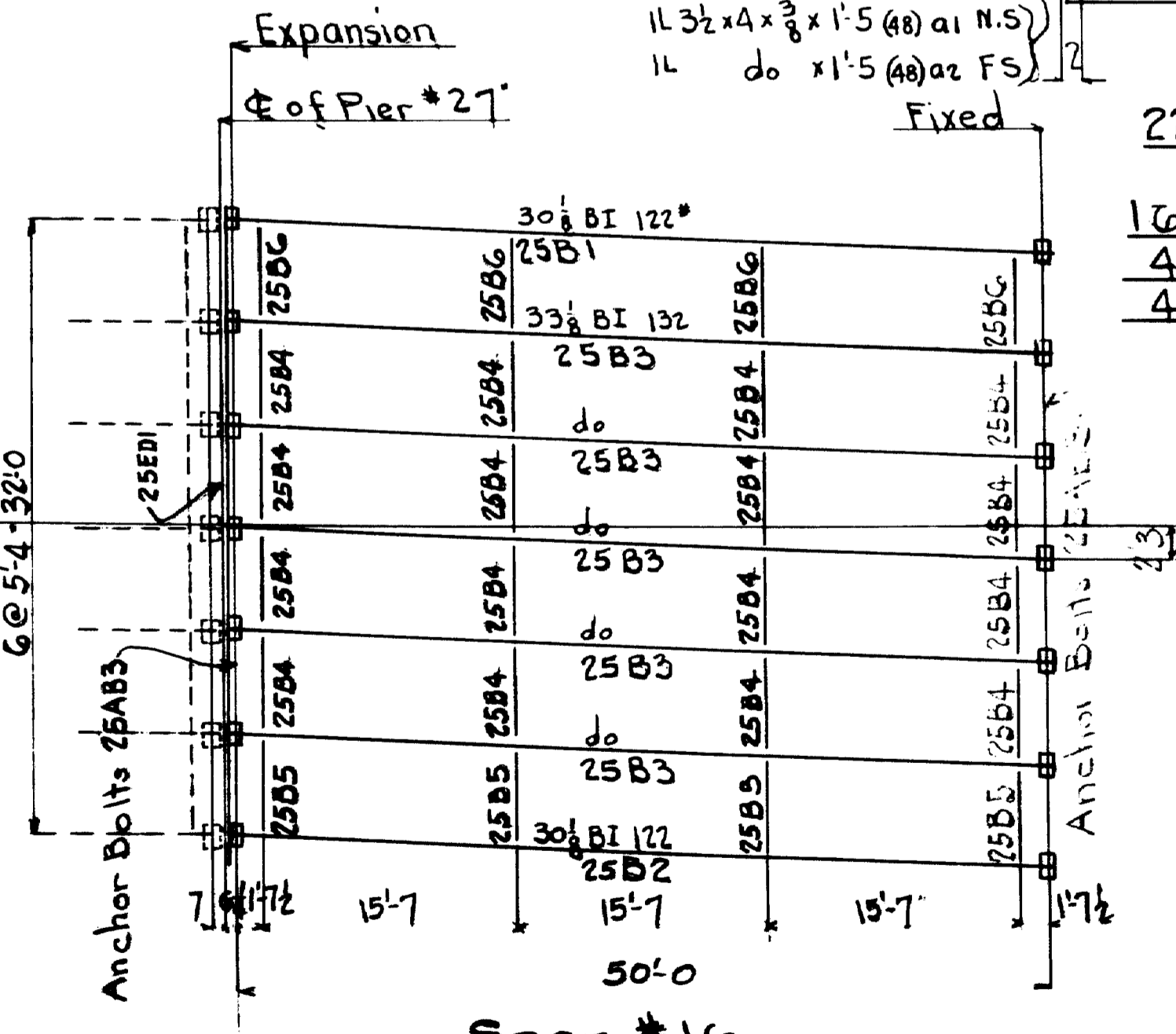
1-Washer 2 1/2" x 3/8" (20) / Rod 1" x 1'-3" (28)
 1-Hex Nut (28)
 Thrd 2 1/2" 10" Sledge
 1-3
 28-Anchor Bolts-25AB3

1-Beam-25B1
 1" 25B2

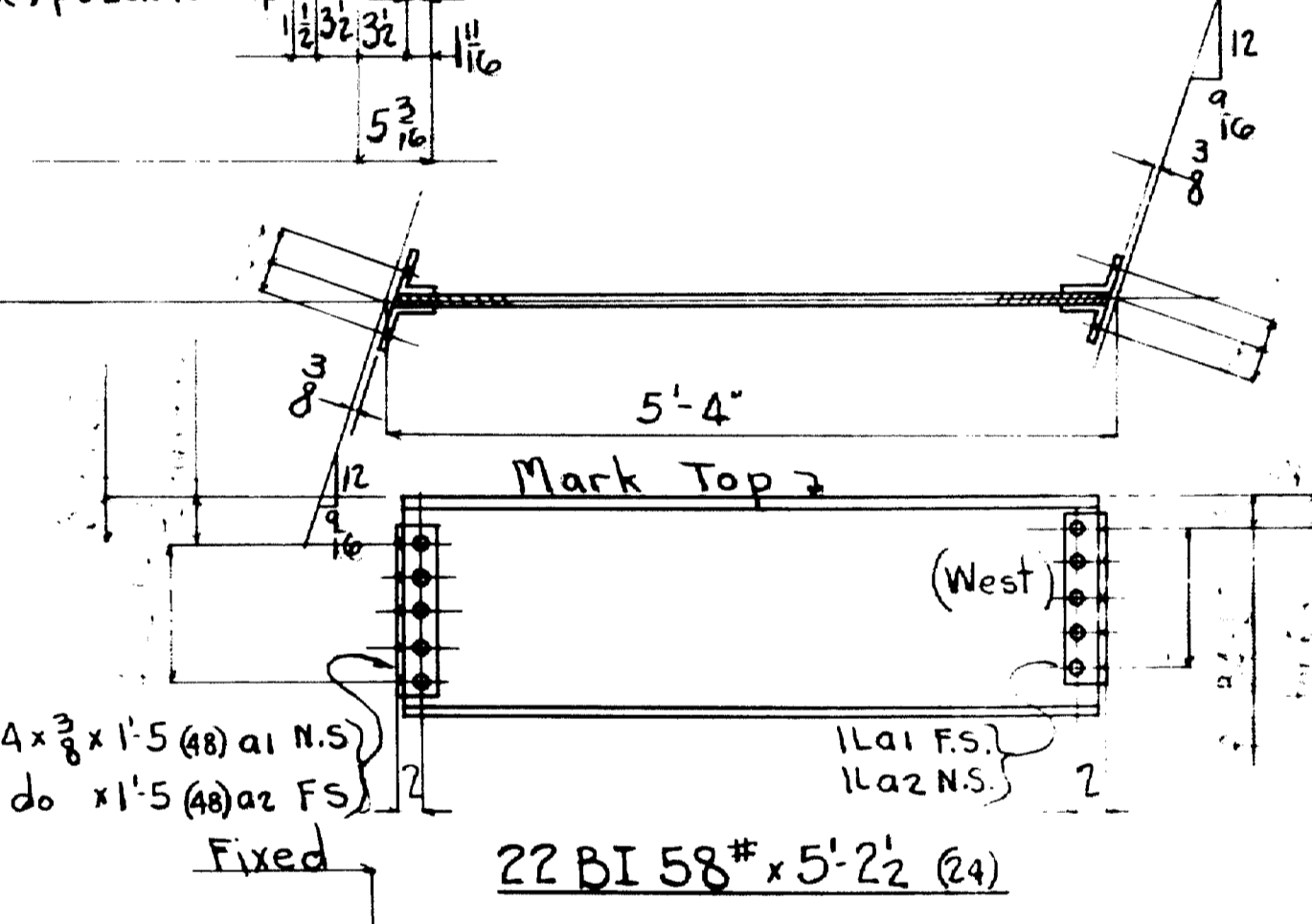
5-Beams-25B3



1 End Dam-25ED1

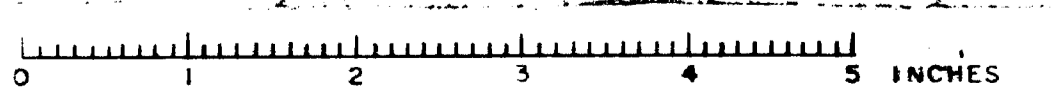


Span #16
 Erection Plan

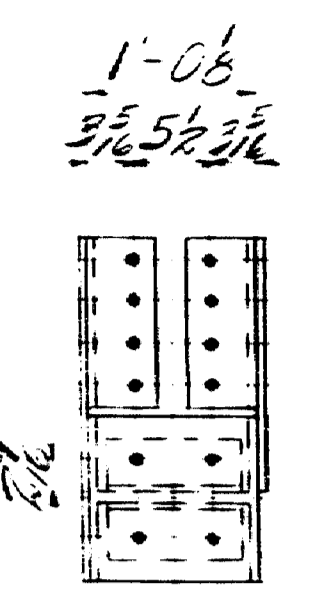
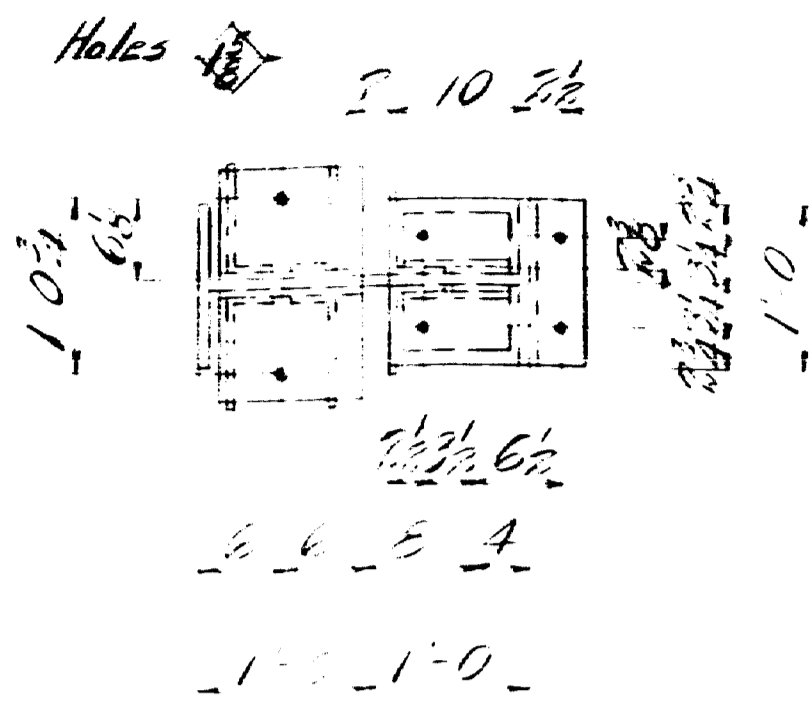


16-Beams-25B4
 4 " -25B5
 4 " -25B6

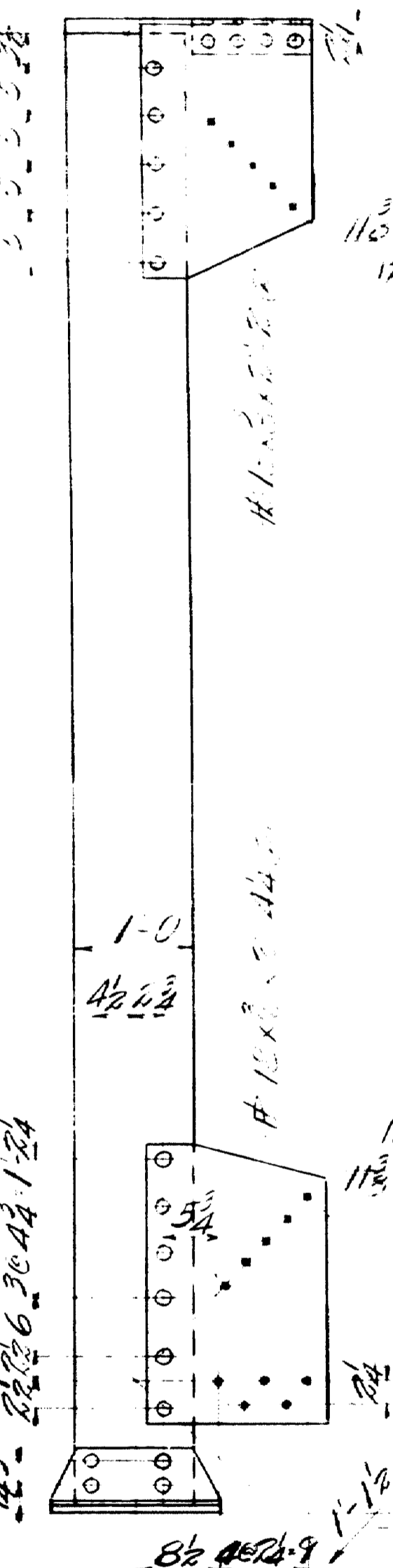
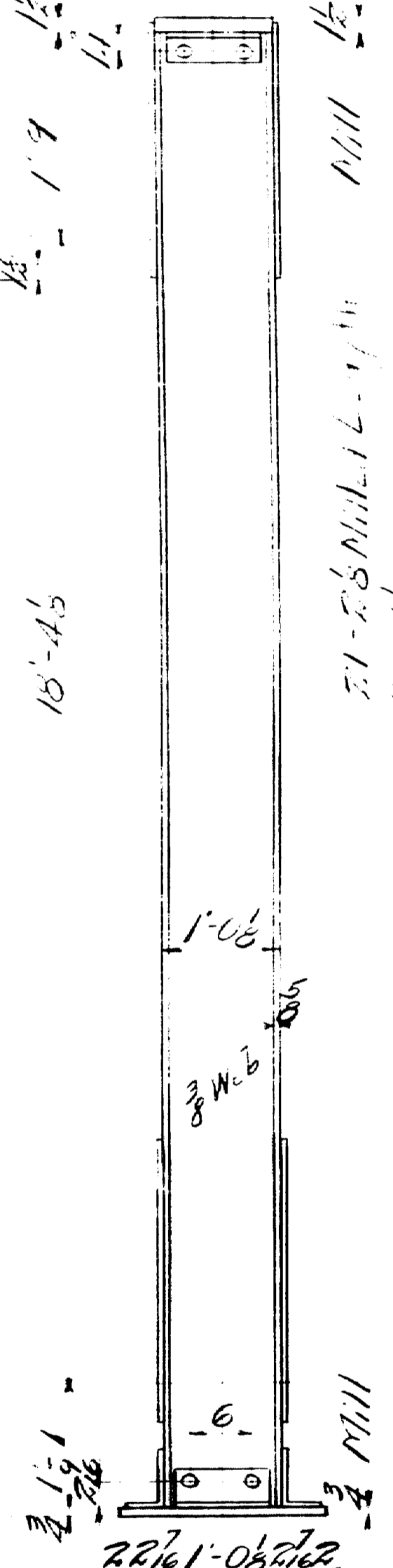
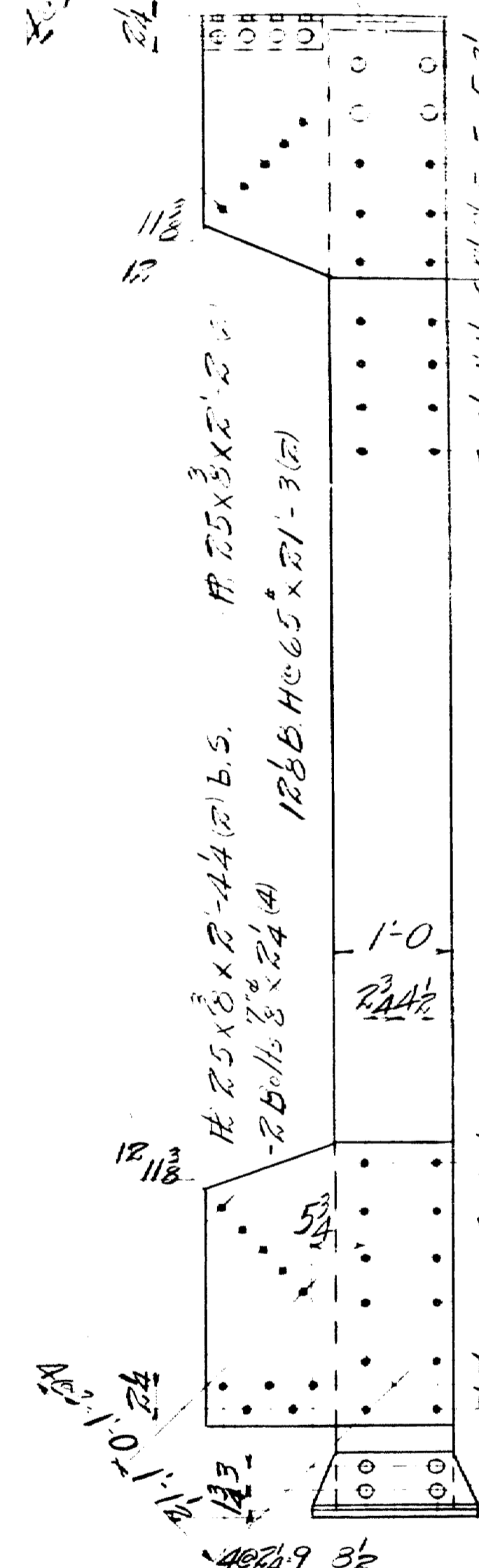
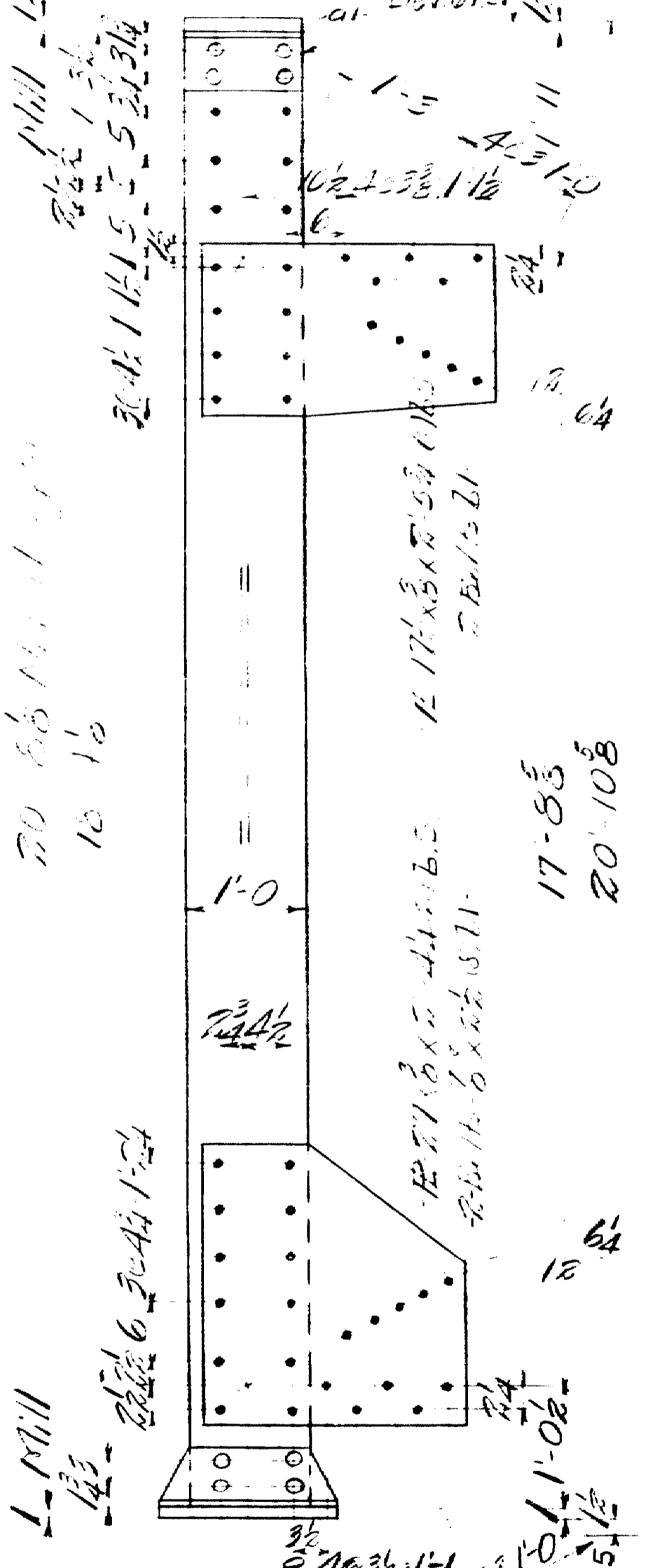
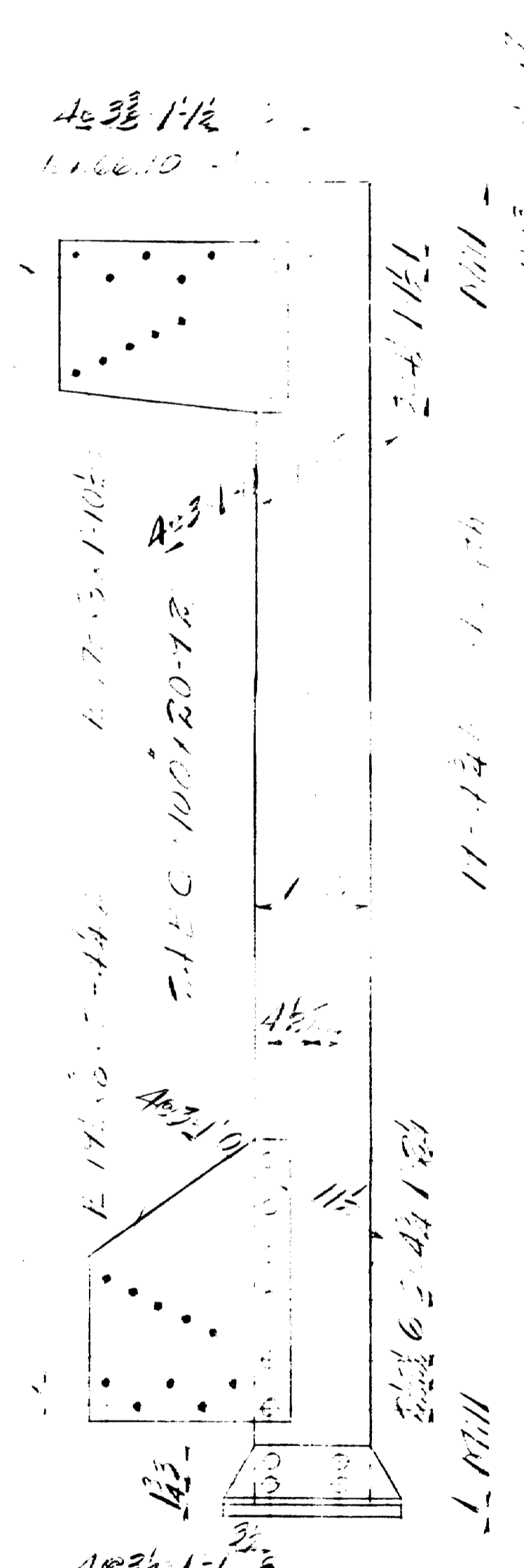
INSPECTION	DATE	WEIGHT
PTL		
RIVETS 7	DATE HOLES 1 1/2"	UNLESS NOTED
LACKAWANNA STEEL CONSTRUCTION CORP BUFFALO, N. Y.		
STRUCTURE <u>Falmouth Rail Road Crossing</u> FOR <u>State of Maine</u> DETAILS OF <u>Bms for Span 16</u> SPECIFICATIONS <u>Maine State Highway Comm.</u> SHOP PAINT <u>1 pt. Red Lead & oil</u>		
FIELD PAINT	DATE	DATE
DRAWN BY <u>PM</u>	DATE <u>7/5</u>	CHECKED BY <u>SM</u>
NO	DATE	BY
1	7/5	SM
2		
3		
4		
5		
CONTRACT No. <u>2472</u> SHEET No. <u>25</u>		



- Cap Material -
 4-12x12x1-0 2/E
 1-6x4x3/8x1-0 2/E
 1-6x4x3/8x7/8 4/E
 1-4x8x3/8x1-11
 1-1-6x4x3/8x1-11
 1-3/8x2x1-2 2/E
 1-3/8x3/8x1-6 2/E
 1-1/2x5/8x1-4 2/E
 1-1/2x3/8x1-4 2/E
 1-1/2x3/8x1-4 2/E
 1-1/2x3/8x1-4 2/E

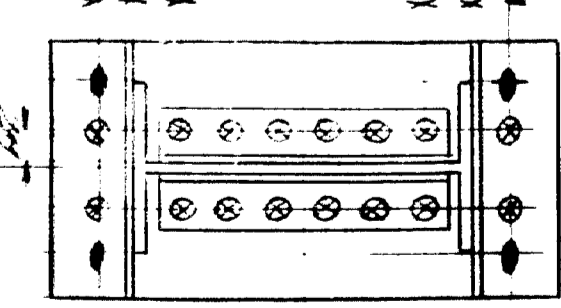


- Cap Material -
 1-12x12x1-0 2/E
 2-Bolts 7/8x3-4
 2-1/2x4x3/8x1-9
 2-1/2x5/8x1-0 4



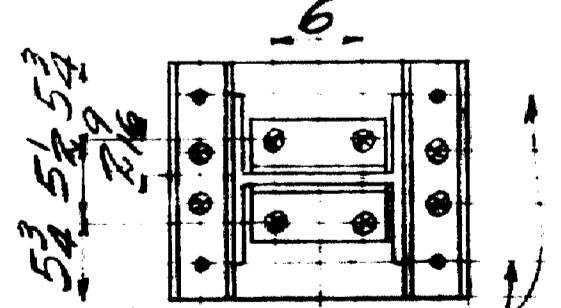
Shop Note:
 Do Not Paint Shop
 Classification
 Holes In Metal
 Holes In Metal & T
 Subpanels 1/2

15x11x3-0
 6x6x3/8x1-6 4
 1-1/4x4x3/8x1-6 4



-1-Column -RAC11^R (As Shown)
 -1- do. -RAC11^L (Opp. Hand)

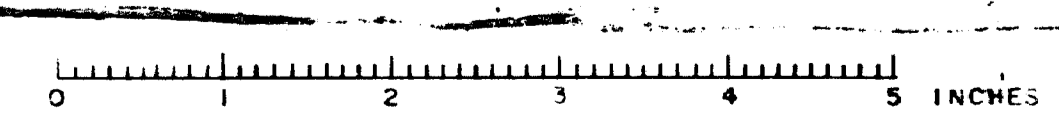
-R-17x4x1-9 (2)
 -R-1-6x4x3/8x1-5 (4)
 -R-1-4x4x3/8x0-9 (4)

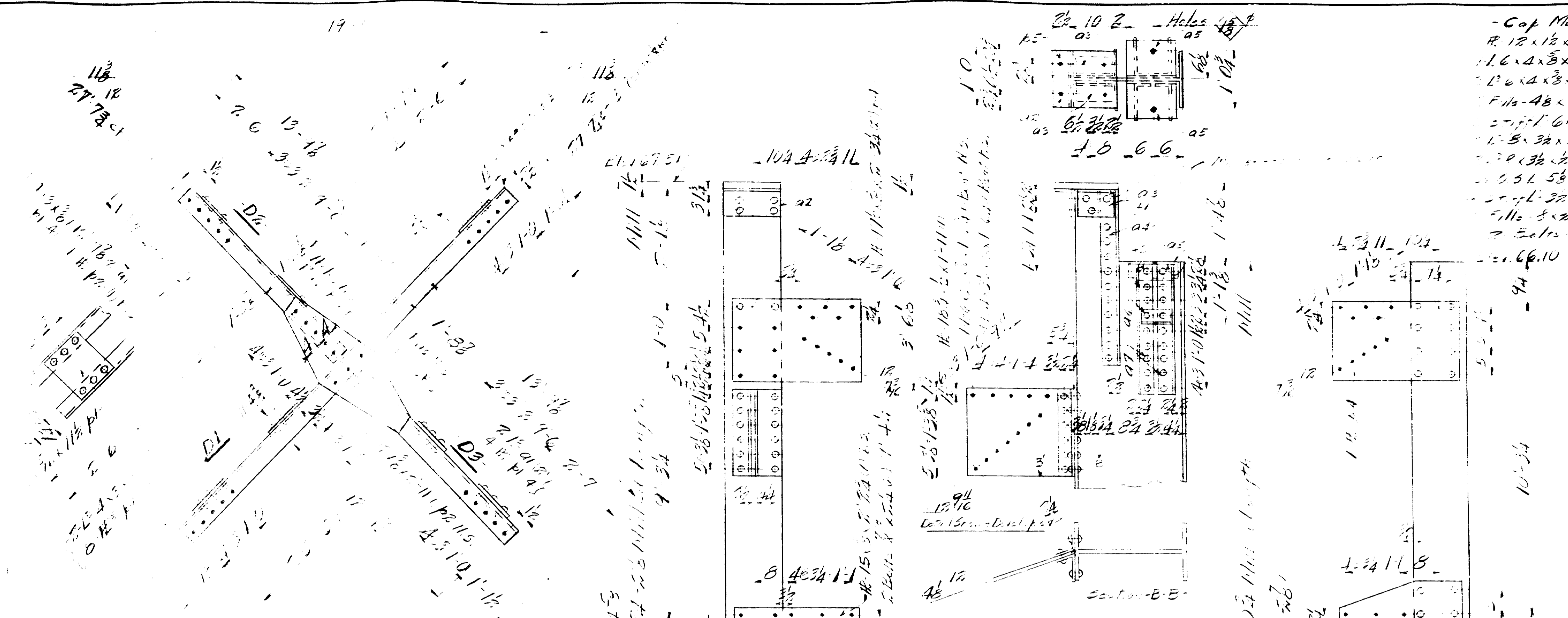


-1-Column -RAC12^R (As Shown)
 -1- do. -RAC12^L (Opp. Hand)

TOWN-03-07 - BRIDGE 2702
 FALMOUTH RAILROAD CROSSING
 OVER
 MAINE CENTRAL RR & PRESUMPSCOTT RIVER
 FALMOUTH - CUMBERLAND CO

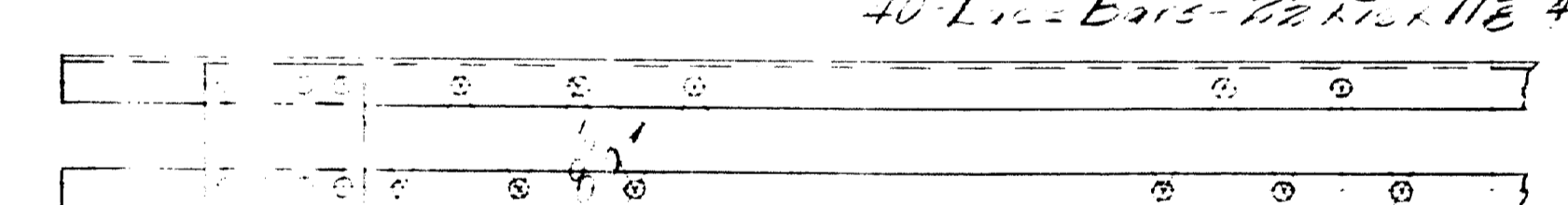
INSPECTION		SHOP RIVETS		WEIGHT	
P.T.					
RIVETS		OPEN HOLES		UNLESS NOTED	
LACKAWANNA STEEL CONSTRUCTION CORP BUFFALO, N. Y.					
STRUCTURE FALMOUTH R.R. CROSSING					
FOR STATE PLANS					
DETAILS OF CONNECTIONS PER AISC 1.7.2					
SPECIFICATIONS PER AISC 1.7.1 & 1.7.2					
SHOP PAINT: CR. Red Lead					
FIELD PAINT:					
DRAWN BY	DATE	CHECKED BY	DATE	SCALE	FORWARD
H.O. WILSON	11-15-32	H.M.	1-25-32	1/4"	H.M.
No.	Date	By	Description		
1					
2					
3					
4					
CONTRACT No. 2472 SHEET No. 24					





-1- Diagonal - 23D1-
 -1- " - 23D2-
 -1- " - 23D3-

11'-0" E to E of Col.
 9'-0"
 10'-3"
 7'-1-1/2"
 20'-9" A - 7'-1"
 40'-L-Ends - 2 1/2" from 11" E A



7'-0" 6'-3 1/2" 3'-17-10" A
 11'-3"

-1- Strut - 23S1-

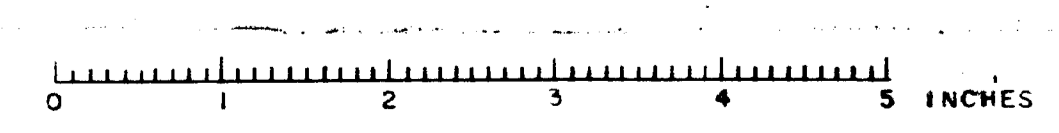
8'-6" A 2'-1-1"
 # 18 x 3-0 II
 2'-6" x 8" x 1-6 (2) 198-
 2'-4" x 8" x 1-6 (2) 199-
 -1- Column - 23C1-

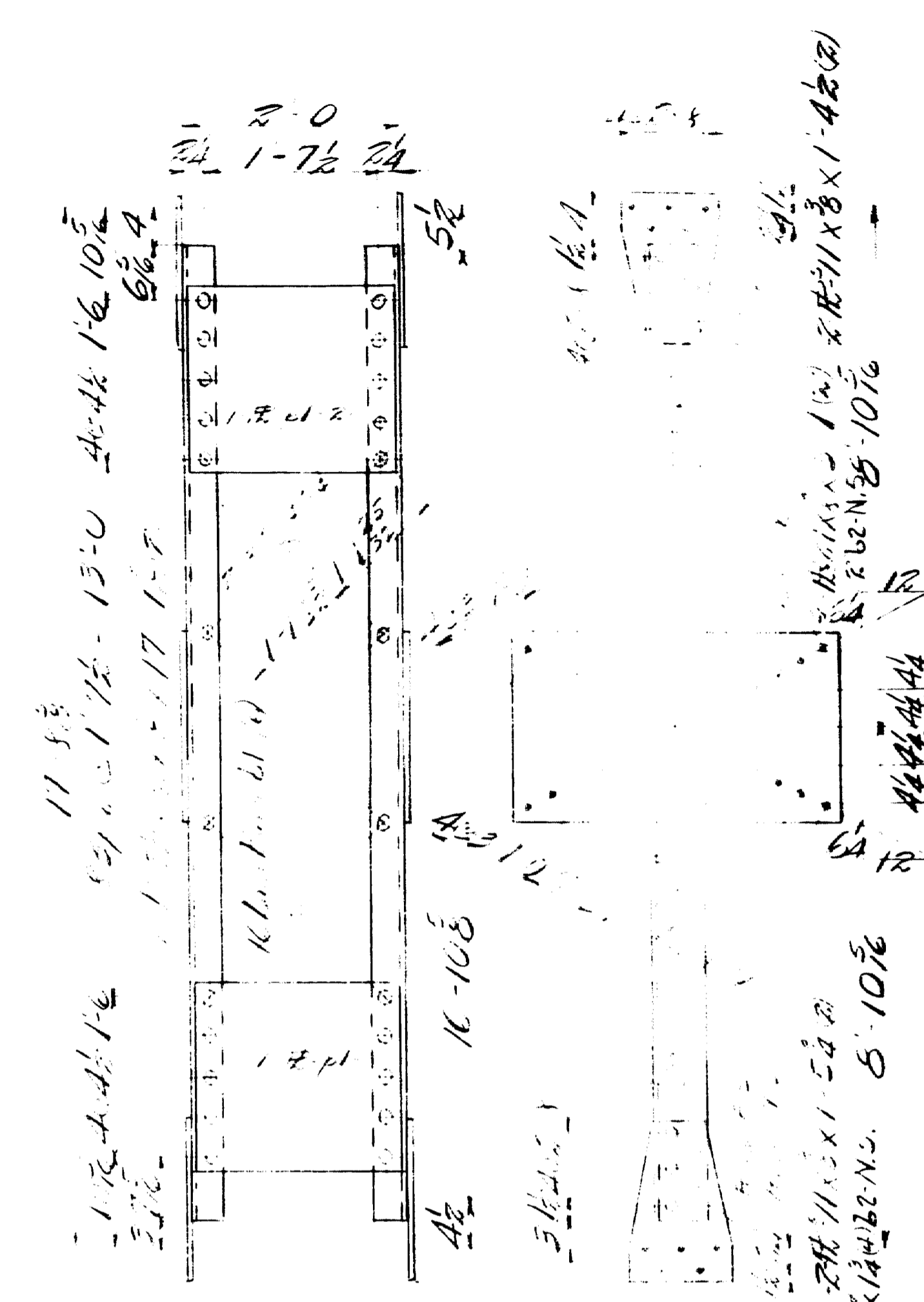
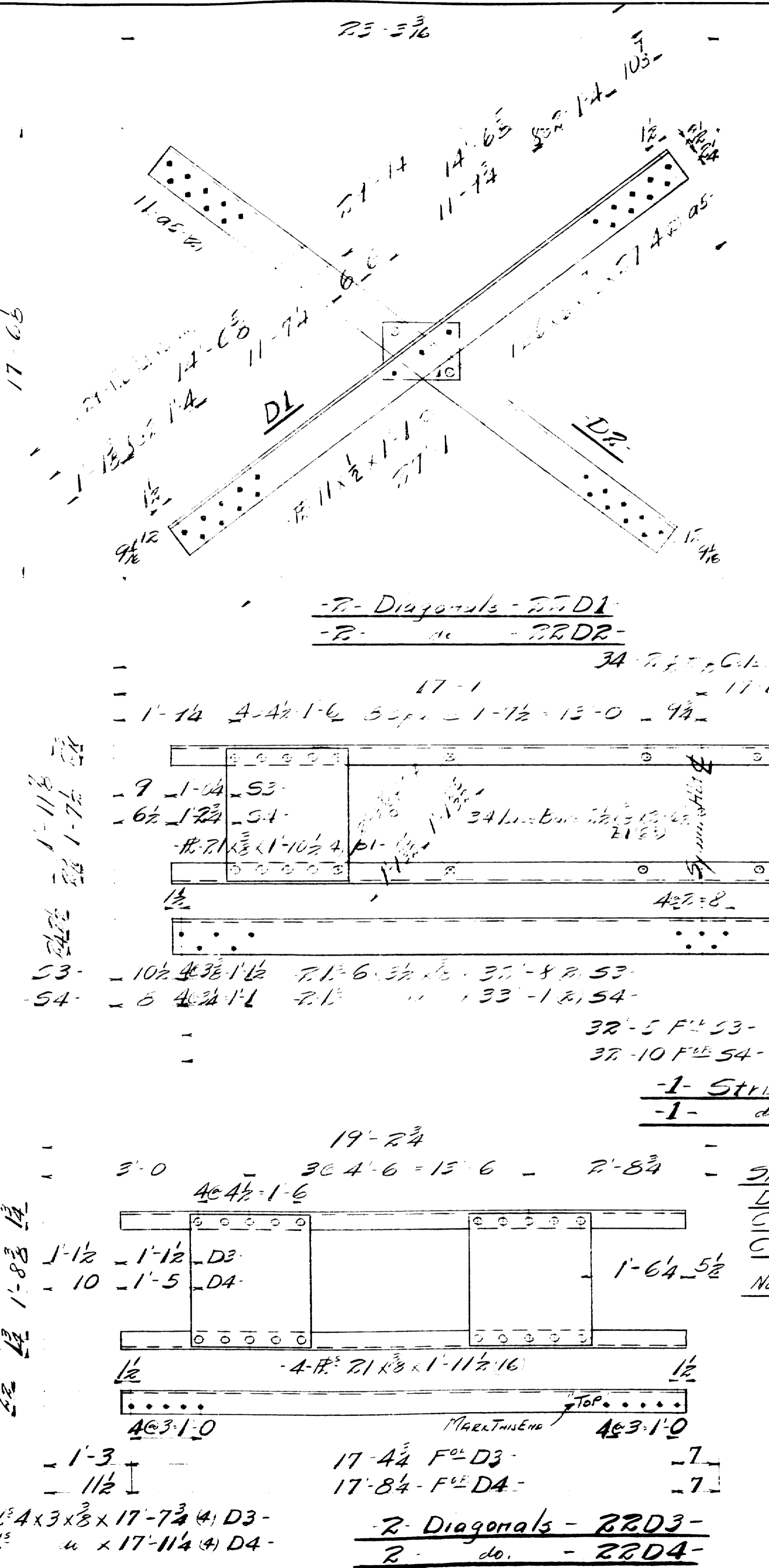
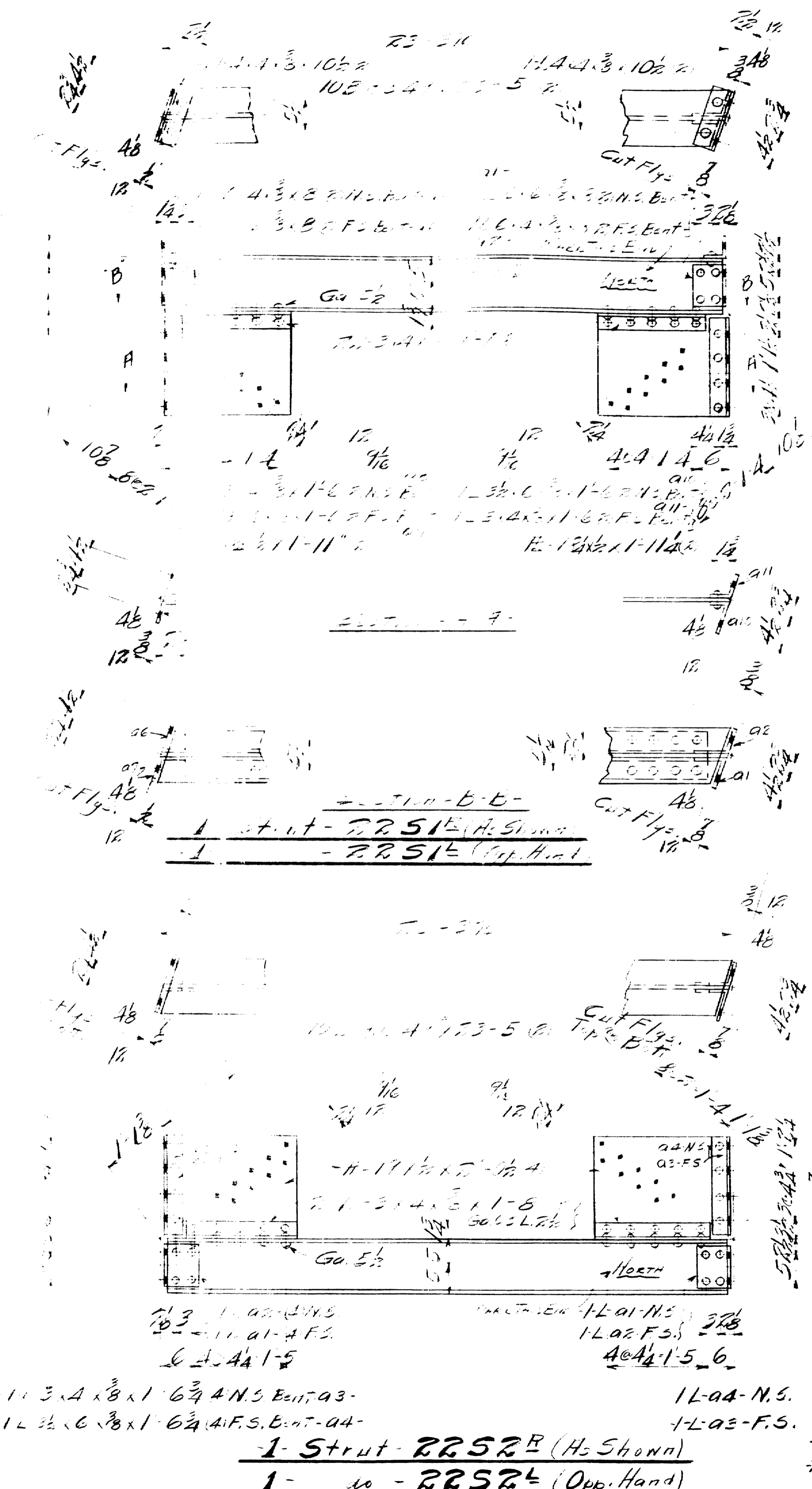
- Cop Material -
 # 12 x 12 x 1-2 II 3 2 1/2 1/2
 # 16 x 4 x 8 x 1-0 II 1 0 1/2
 # 24 x 4 x 8 x 7/8 21 1/2
 # 11/2 x 4 8 x 8 x 2 1/2
 # 5 x 7/8 x 1 1/2 x 3/4
 # 1/2 x 5/8 x 10 1/4
 # 3/4 x 3/4 x 6
 # 1/2 x 1/2 x 15
 # 3/4 x 1/2 x 1/2
 # 1/2 x 1/2 x 3/4
 # 3/4 x 1/2 x 3/4
 # 3/4 x 1/2 x 3/4

Shop Notes -
 Dollar Paint
 Classification
 Holes In Metal
 Sub-panels 1/2

INSPECTION	SHOP RIVETS	WEIGHT
F. T. L.		
RIVETS	OPEN HOLES	UNLESS NOTED
37		
LACKAWANNA STEEL CONSTRUCTION CORP BUFFALO, N. Y.		
STRUCTURE Falmouth RR. Crossing		
FOR State of Maine		
DETAILS OF BRIDGE - Main Central RR. Crossing		
SPECIFICATIONS - Main Central RR. Crossing		
SHOP PART - 1-CT. Bed L. Oil.		
FIELD PART	DATE	CHECKED BY
DESIGNED BY	DATE	CHECKED BY
H. D. W. E.	1-2-33	A. M.
DRAWN BY	DATE	CHECKED BY
INCH	BY	DESCRIPTION
1	1/4" x 1/2"	By Engler
2		
3		
4		
5		
CONTRACT No. 2472 SHEET No. 22		

TOWN 03-07 - BRIDGE 2102
 FALMOUTH RAILROAD CROSSING
 - OVER -
 MAINE CENTRAL RR. & PRESUMPTCOT RIVER
 FALMOUTH - CUMBERLAND Co.

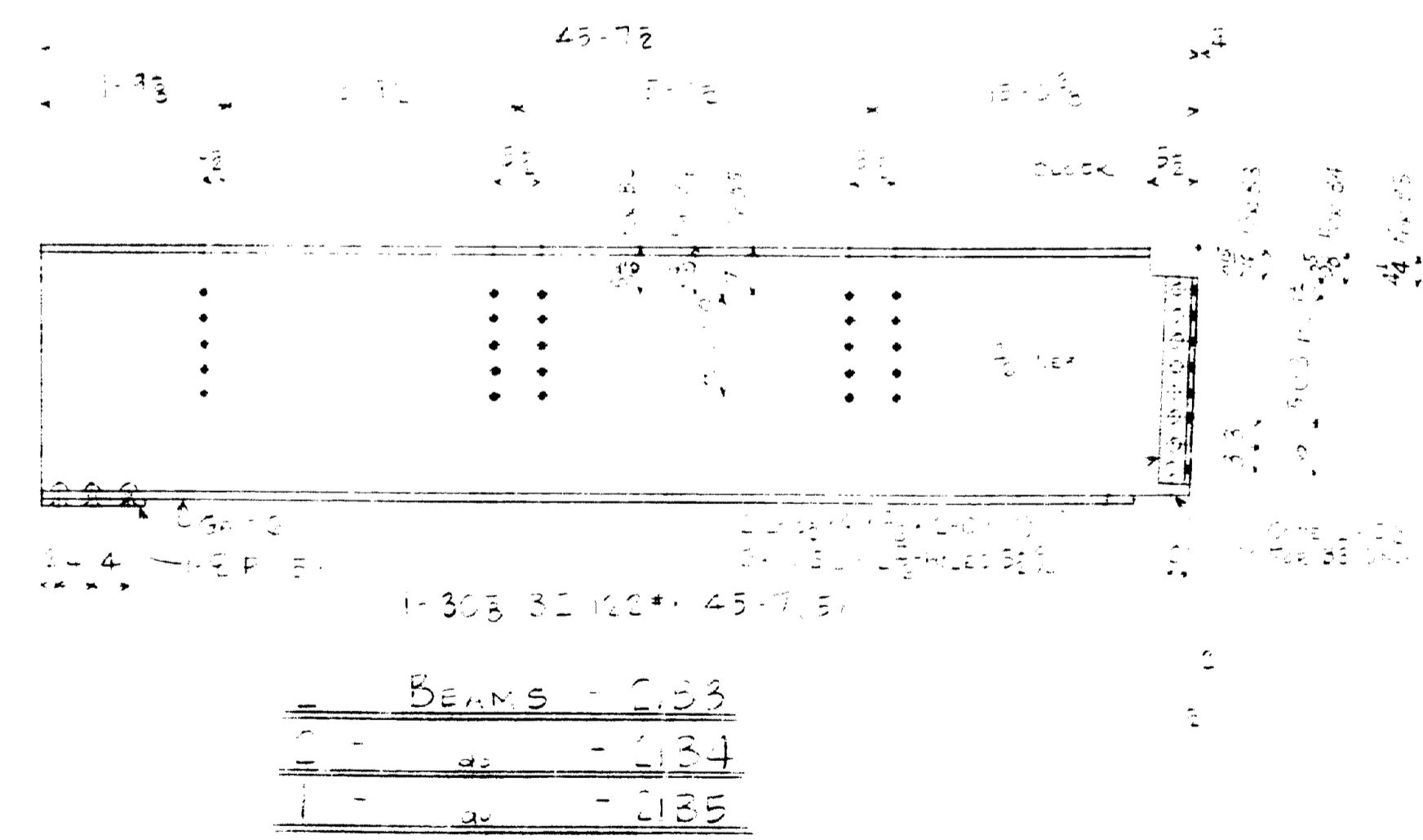
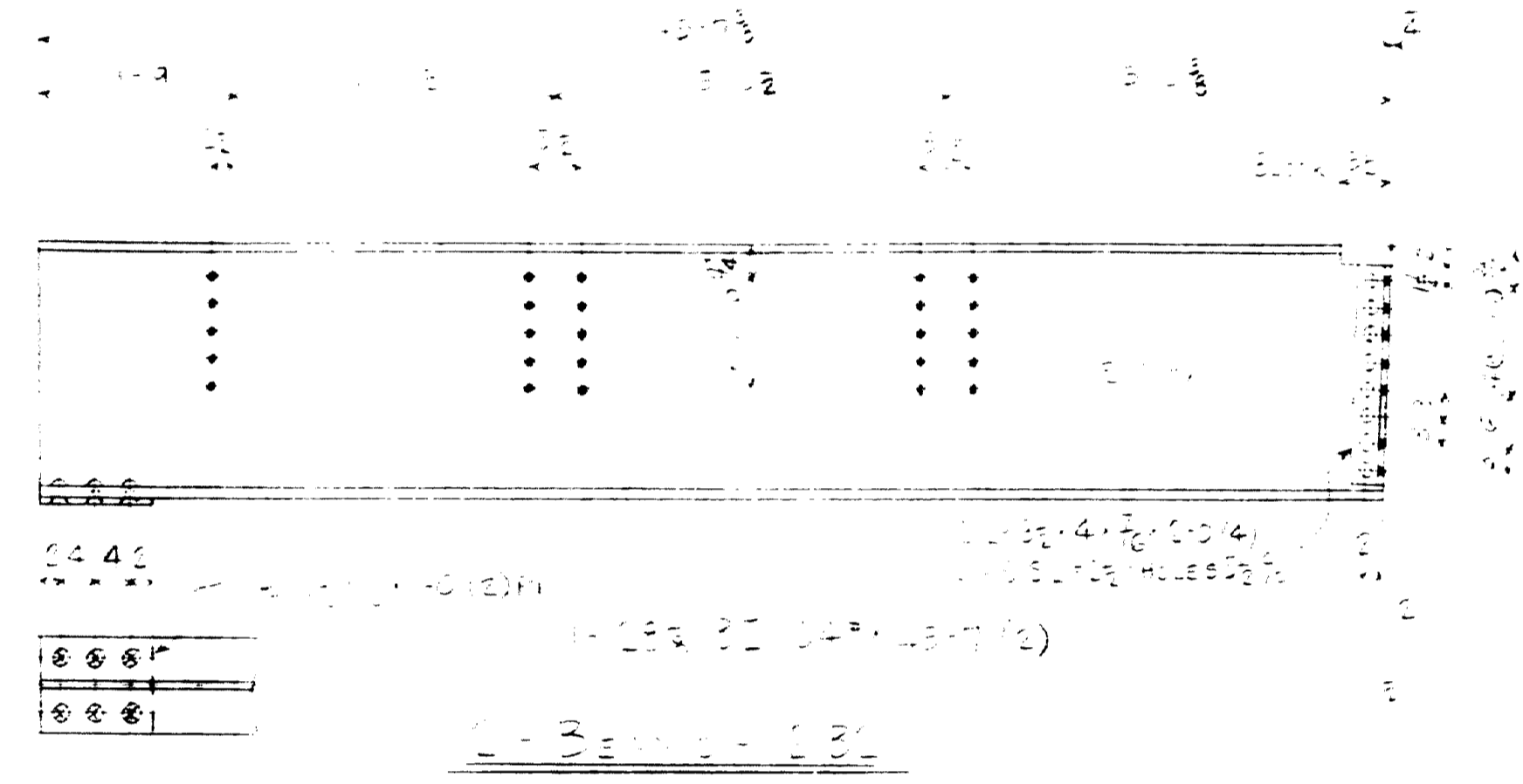
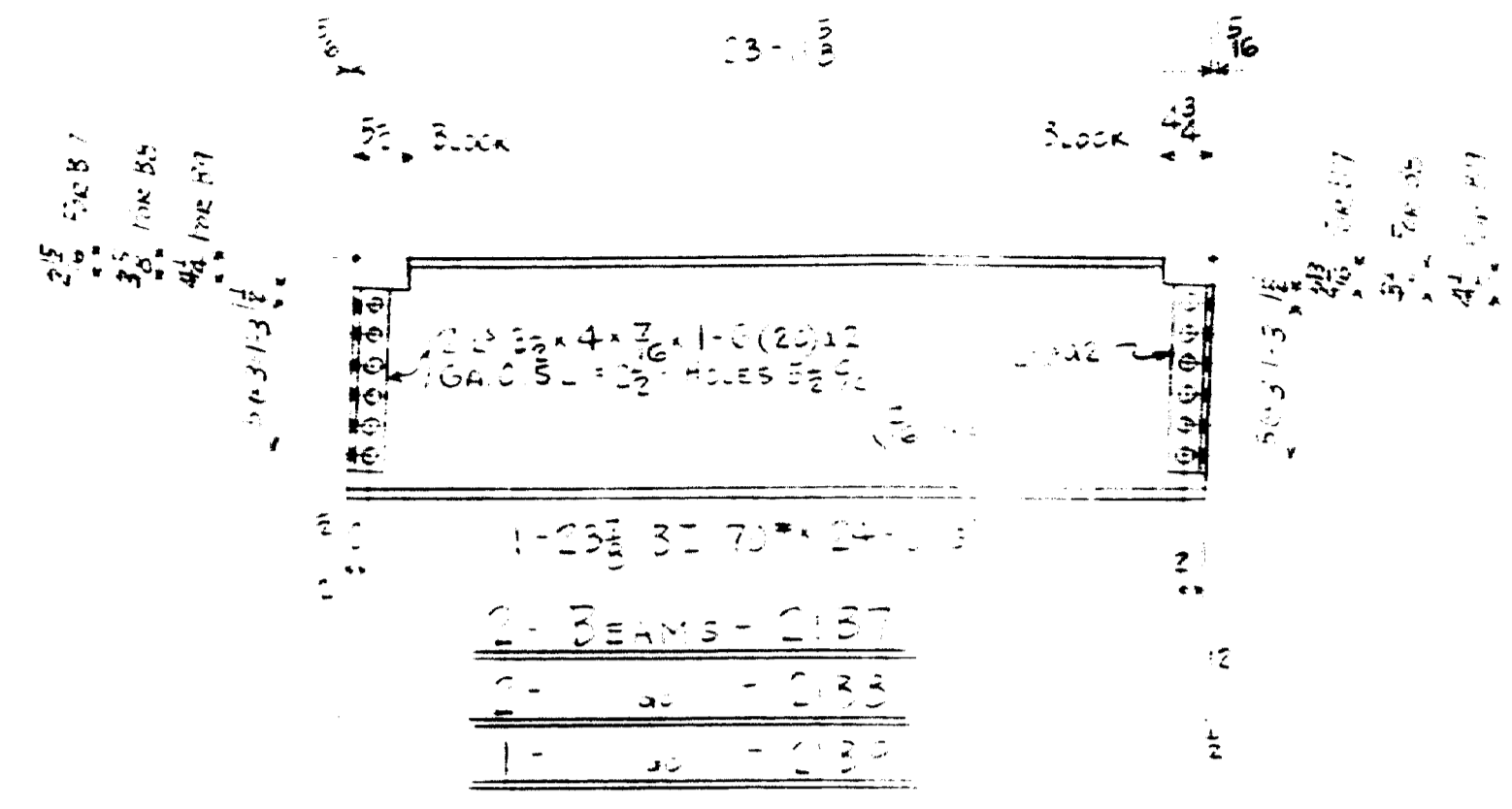
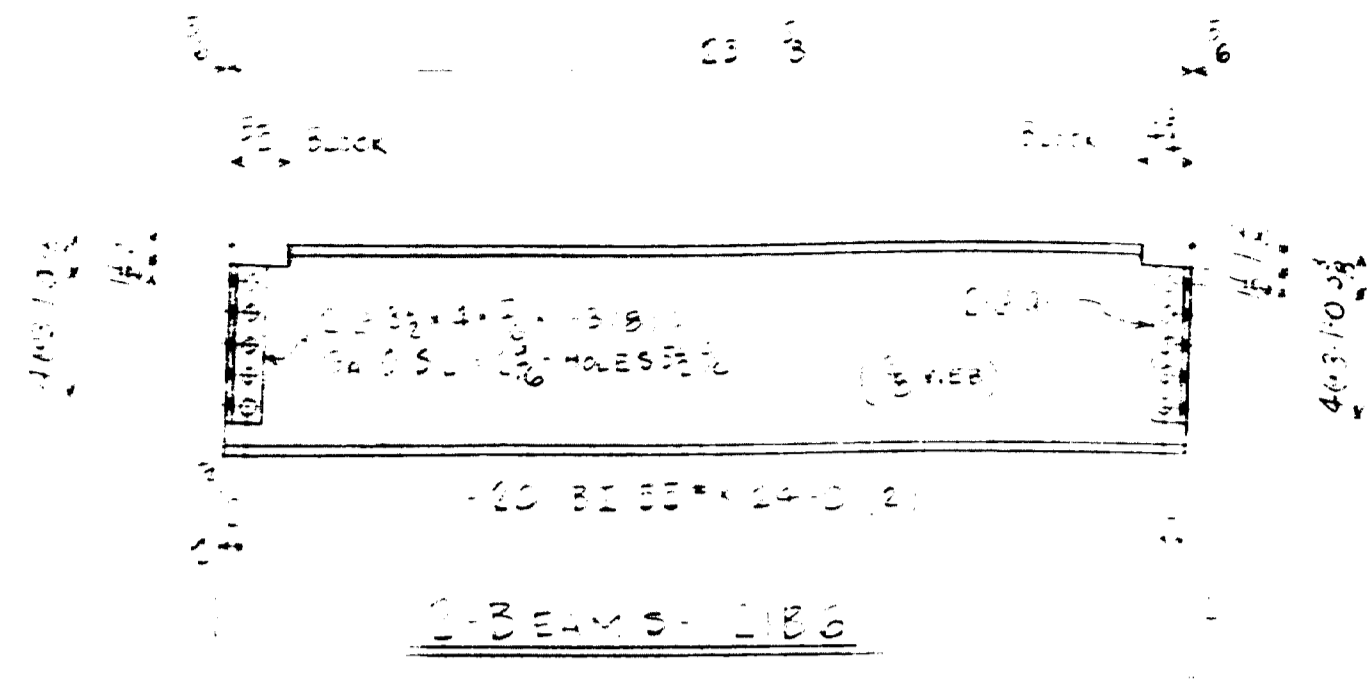
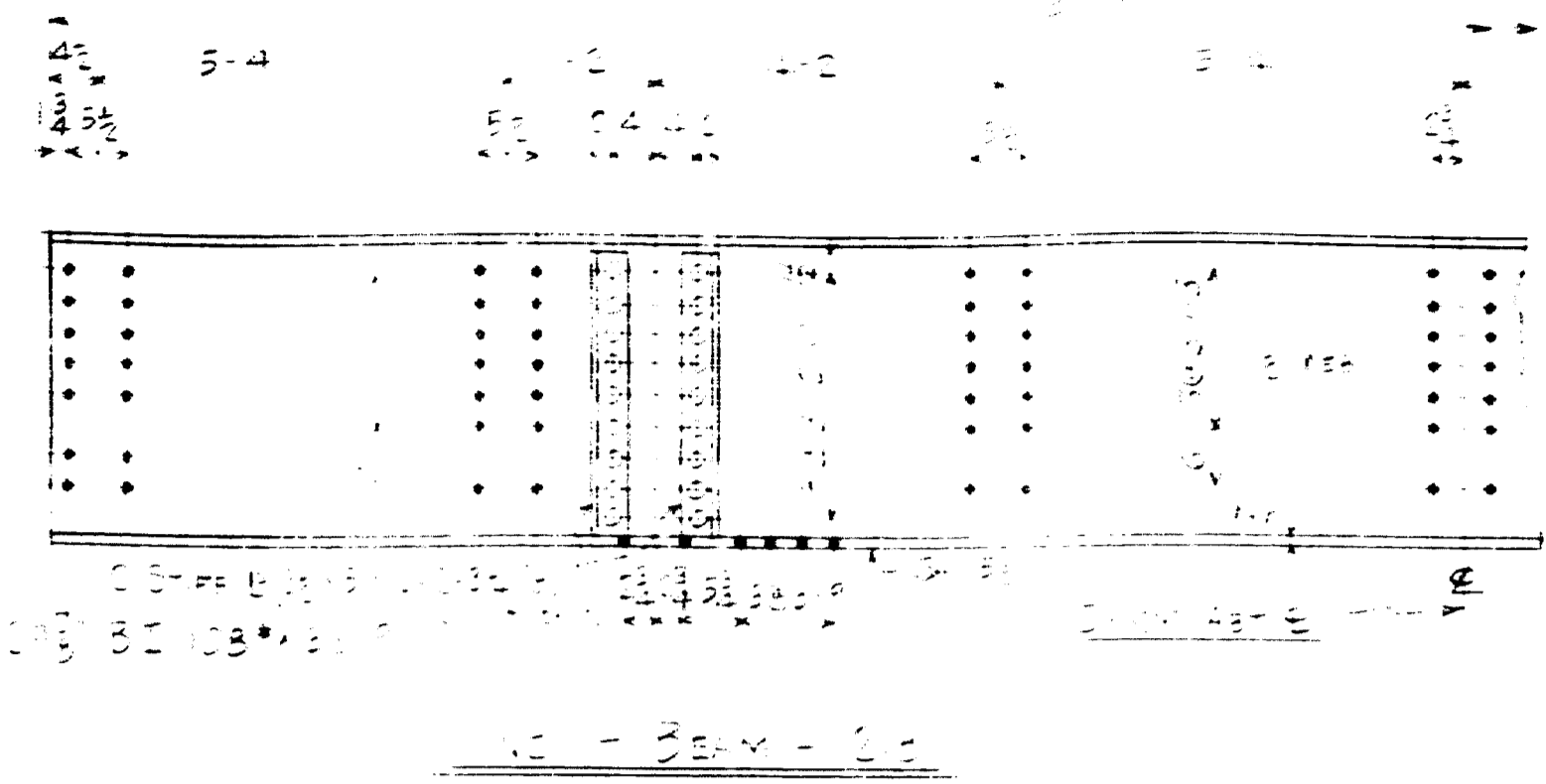




Do Not Paint Surfaces
 Contact Steel
 Classified Structural Steel
 No Flaming or Heating

TOWN 03-07 BRIDGE 2702
 FALMOUTH RAILROAD CROSSING
 OVER
 MAINE CENTRAL RR & PRESUMPSCOT RIVER
 FALMOUTH - CUMBERLAND Co.

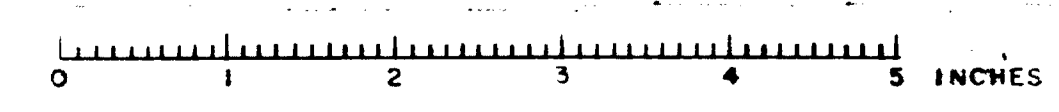
INSPECTION	SHOP RIVETS	WEIGHT
17.1		
RIVETS 3 OPEN HOLES 15 UNLESS NOTED		
LACKAWANNA STEEL CONSTRUCTION CORPN BUFFALO, N. Y.		
STRUCTURE FALMOUTH RAILROAD CROSSING		
FOR 3' CLEARANCE		
DETAILS OF CONNECTIONS SEE BRIDGE 2702		
SPECIFICATIONS FOR STEEL BRIDGES COMM. SHOP PARTS		
FIELD PARTS		
DRAWN BY	DATE	CHECKED BY
W. W. G.	1-21-33	A.M.
REVISIONS	NO.	DATE
1	1	1-21-33
2		
3		
4		
5		

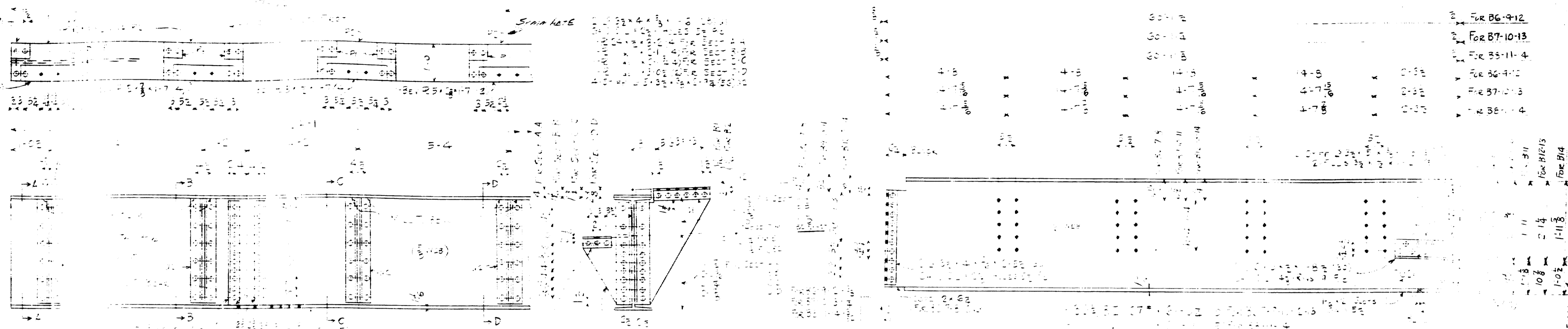


Shop Notes:
DO NOT PAINT SHOP OR FIELD CONTACT SURFACES
CLASSIFICATION STRUCTURAL STEEL
HOLES TO BE DRILLED TO LEAVE NO

TOWN 33-07 BRIDGE 2702
FALMOUTH RAILROAD CROSSING
OVER
MAINE CENTRAL RR & PRESUMPSCOT RIVER
FALMOUTH - CUMBERLAND CO.

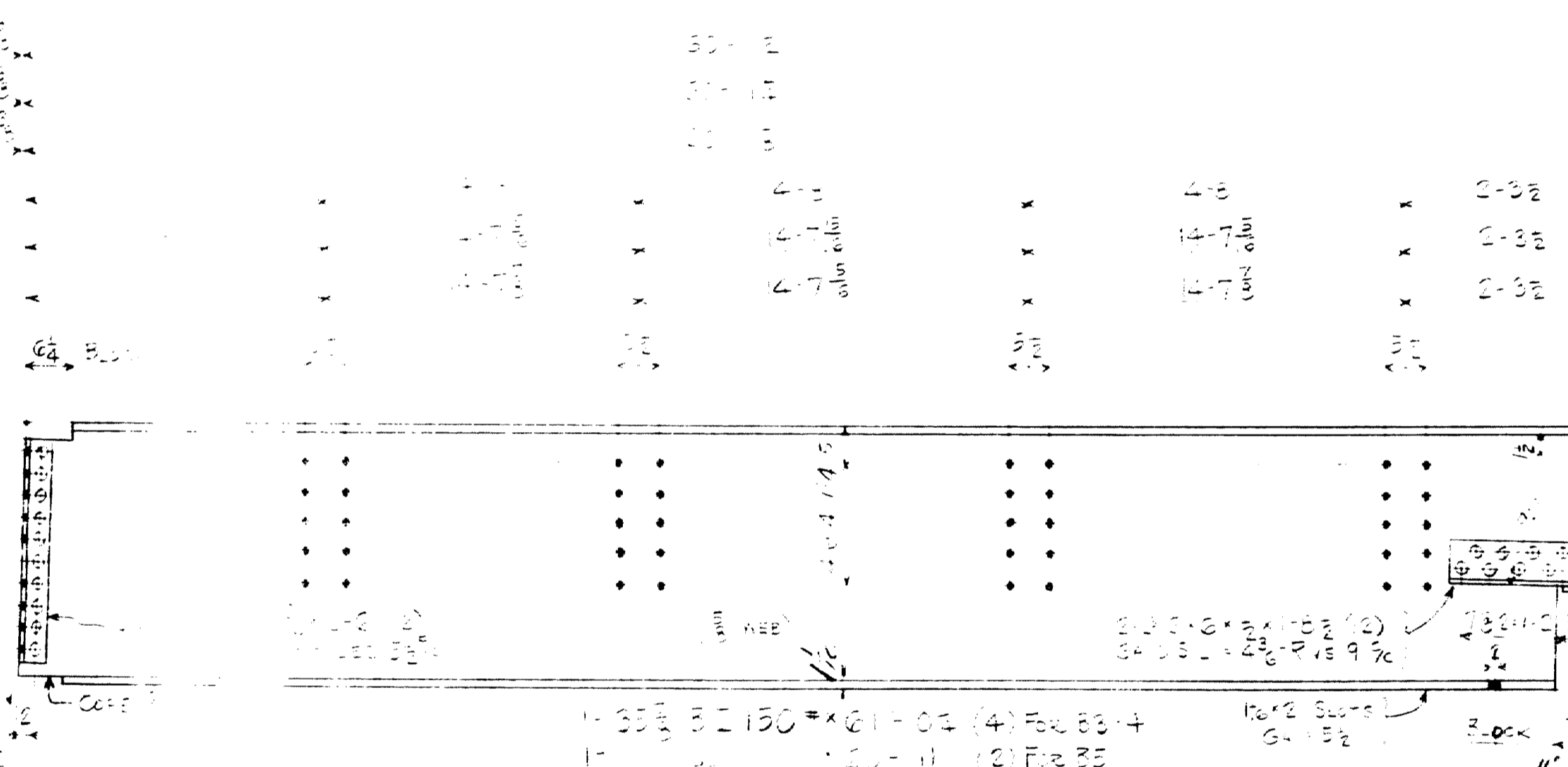
INSPECTION	SHOP RIVETS	WEIGHT
RIVETS	OPEN HOLES	UNLESS NOTED
LACKAWANNA STEEL CONSTRUCTION CORP BUFFALO, N. Y.		
STRUCTURE: RAILROAD CROSSING		
FOR: FALMOUTH RAILROAD		
DETAILS OF: BRIDGE		
SPECIFICATIONS: RAILROAD BRIDGE COMM.		
SHOP PAINT: GALVANIZED		
FIELD PAINT: GALVANIZED		
DRAWN BY	DATE	CHECKED BY
C.H.S.	1-33	W.H. WILKINSON
NO.	DATE	BY
1	1/30	W.H. WILKINSON
2		
3		
4		
5		
CONTRACT No. 1472 SHEET No. 21		





CROSS SECTION	A-A
CROSS SECTION	B-B
CROSS SECTION	C-C
CROSS SECTION	D-D

2-BEAMS - 2030	2-BEAMS - 2037	2-BEAMS - 2038
1- do - 2034	1- do - 2039	2- do - 2031
1- do - 2032	1- do - 2033	1- do - 2034



2-BEAMS - 2033	2-BEAMS - 2034
2-BEAMS - 2035	



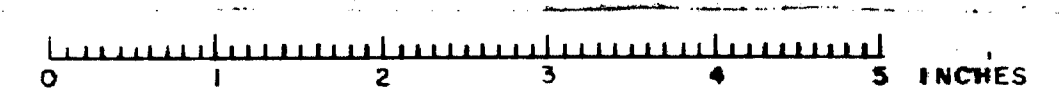
MILL	2-BEAMS - 20324
	2- do - 20325
	1- do - 20326

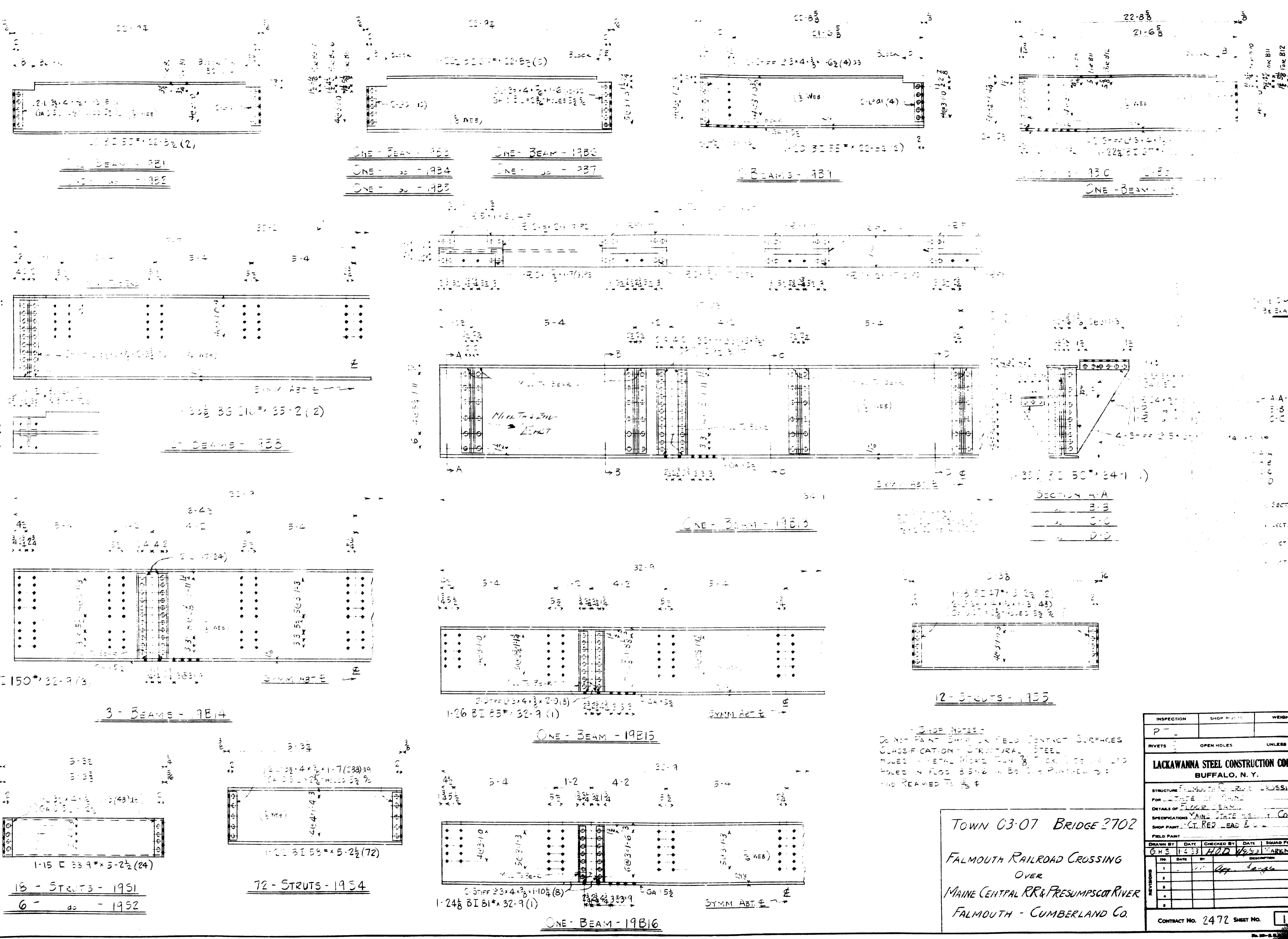
2-BEAMS - 20327

SHOP NOTES
DO NOT PAINT SHOP OR FIELD CONTACT SURFACES
CLASSIFICATION - STRUCTURAL STEEL
HOLES IN METAL MORE THAN 3/8" THICK TO BE DRILLED
NO REAMING

TOWN 03-07 BRIDGE 2702
FALMOUTH RAILROAD CROSSING
OVER
MAINE CENTRAL RR & PRESUMPSCOT RIVER
FALMOUTH - CUMBERLAND CO.

INSPECTION	SHOP RIVETS	WEIGHT
RIVETS	OPEN HOLES	UNLESS NOTED
LACKAWANNA STEEL CONSTRUCTION CORP BUFFALO, N. Y.		
STRUCTURE FOR STATE OF MAINE CROSSING		
DETAILS OF CONNECTIONS BY COMM.		
SPECIFICATIONS BY COMM.		
SHOP PARTS BY COMM.		
FIELD PARTS		
DRAWN BY	DATE	CHECKED BY
GW3	12-33-11	H. C. MARKMANN
REVISED	DATE	BY
1	1/6/11	HW
2		
3		
4		
5		
CONTRACT No. 2472 SHEET No. 2		

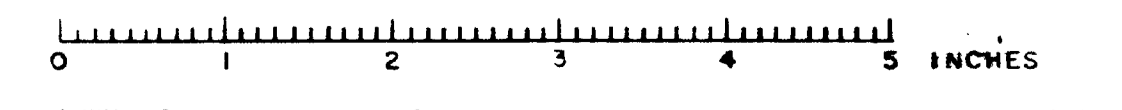


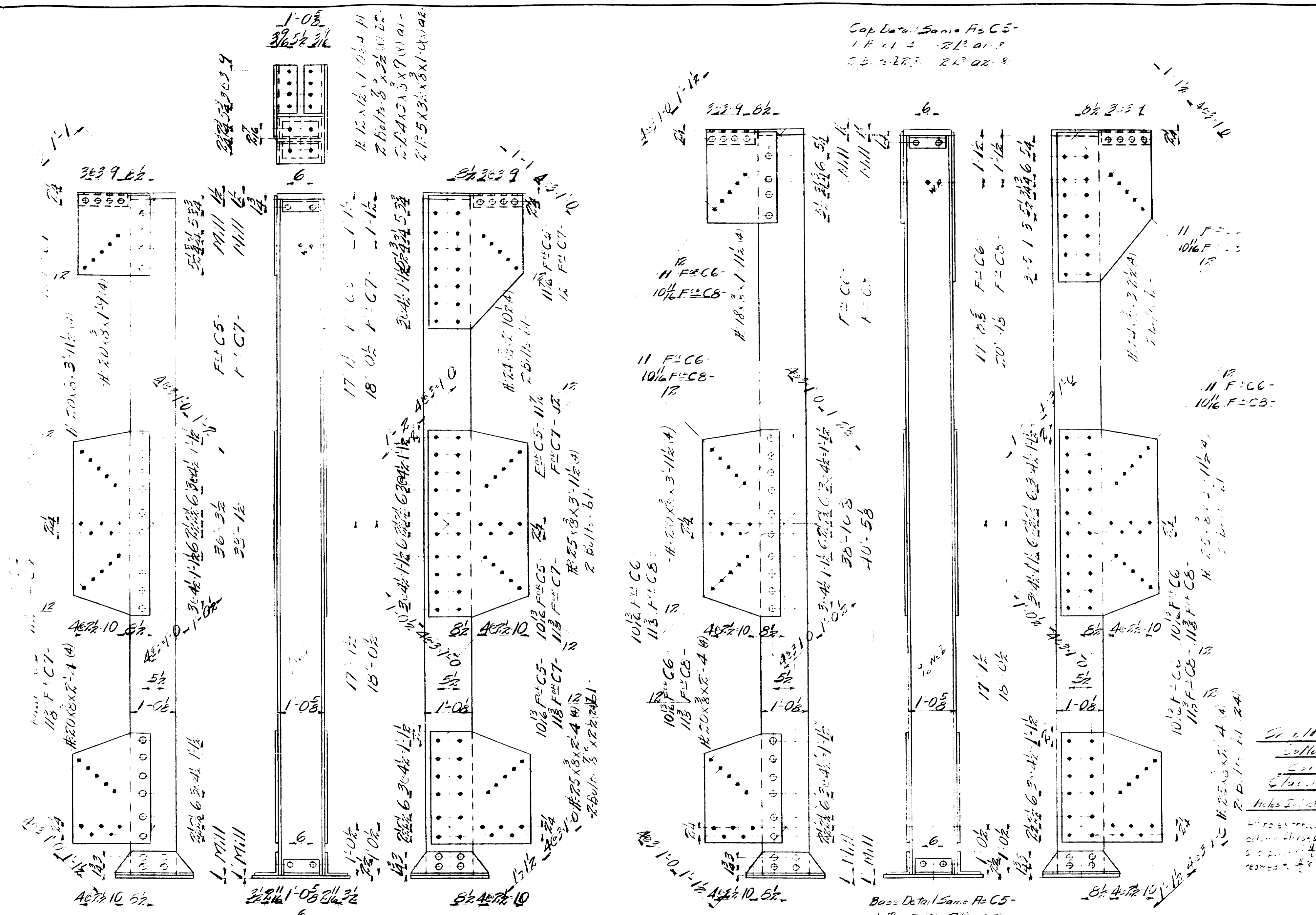


SHOP NOTES:
 DO NOT PAINT BRIDGE FIELD CONTACT SURFACES
 CLASSIFICATION: STRUCTURAL STEEL
 TOLES IN METAL MORE THAN 1/8" FROM SURFACE
 HOLES IN FLOOR BEAMS TO BE DRILLED AND
 END REAMED TO 1/8" ±

TOWN 03-07 BRIDGE 2702
 FALMOUTH RAILROAD CROSSING
 OVER
 MAINE CENTRAL RR & PRESUMPSHOT RIVER
 FALMOUTH - CUMBERLAND CO.

INSPECTION	SHOP PRICE	WEIGHT
P-		
RIVETS OPEN HOLES UNLESS NOTED		
LACKAWANNA STEEL CONSTRUCTION CORPN BUFFALO, N. Y.		
STRUCTURE: FALMOUTH RAILROAD CROSSING		
FOR: STATE OF MAINE		
DETAILS OF: FLOOR BEAM		
SPECIFICATIONS: MAINE STATE DEPT. COMM.		
SHOP PART: CT. RED. LEAD & OIL		
FIELD PART:		
DRAWN BY:	DATE:	CHECKED BY:
G.H.S.	11-23-31	H.D. WAREMANN
NO.	DATE	BY
1		
2		
3		
4		
5		
CONTRACT No. 2472 SHEET No. 18		

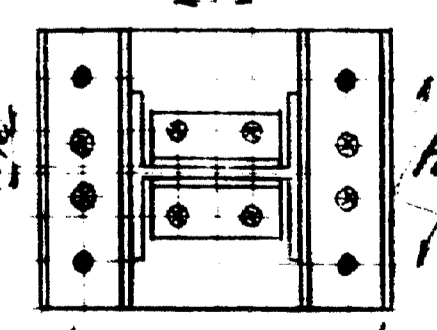




Cap Detail Same As C5-
 1 R. 11-2 2 R. 11-3
 2 R. 11-2 2 R. 11-3

Base Detail Same As C5-
 1 R. 11-2 (A) 2 R. 11-3 (B)
 2 R. 11-2 (B) 2 R. 11-3 (A)

#20 L x 2-14 (P2)
 2-6 x 6 x 3/8 x 1-8 (P3)
 2-4 x 4 x 3/8 x 0-9 (P4)



- 1-08
- 1-10
- 1-12
- 1-14
- 1-16
- 1-18
- 1-20
- 1-22
- 1-24
- 1-26
- 1-28
- 1-30
- 1-32
- 1-34
- 1-36
- 1-38
- 1-40
- 1-42
- 1-44
- 1-46
- 1-48
- 1-50
- 1-52
- 1-54
- 1-56
- 1-58
- 1-60
- 1-62
- 1-64
- 1-66
- 1-68
- 1-70
- 1-72
- 1-74
- 1-76
- 1-78
- 1-80
- 1-82
- 1-84
- 1-86
- 1-88
- 1-90
- 1-92
- 1-94
- 1-96
- 1-98
- 1-100

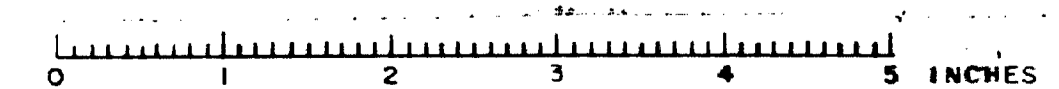
12 1/2 B.H. @ 92" x 38-11/2 (C) C6-
 12 1/2 B.H. @ 92" x 40'-6 (C) C8-

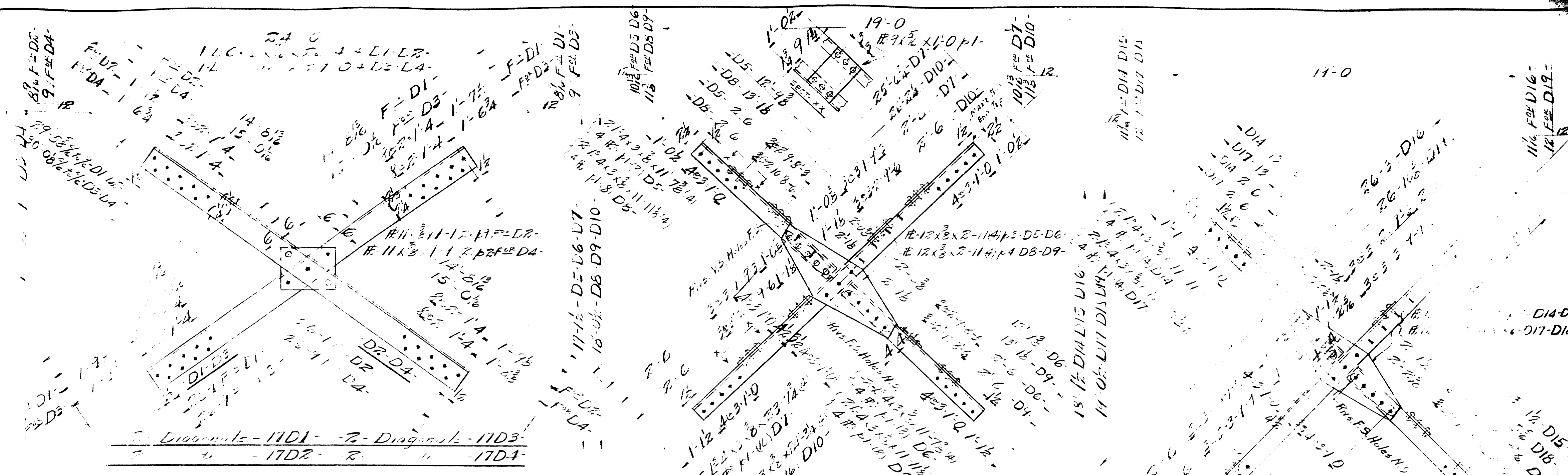
- 1 Column - 18C5^R (As Shown)
- 1 do - 18C5^L (Opp. Hand)
- 1 do - 18C7^R (As Shown)
- 1 do - 18C7^L (Opp. Hand)

TOWN 03-07 - BRIDGE 2702
 FALMOUTH RAILROAD CROSSING
 OVER
 MAINE CENTRAL RR & PRESUMPSCOT RIVER
 FALMOUTH CUMBERLAND CO.

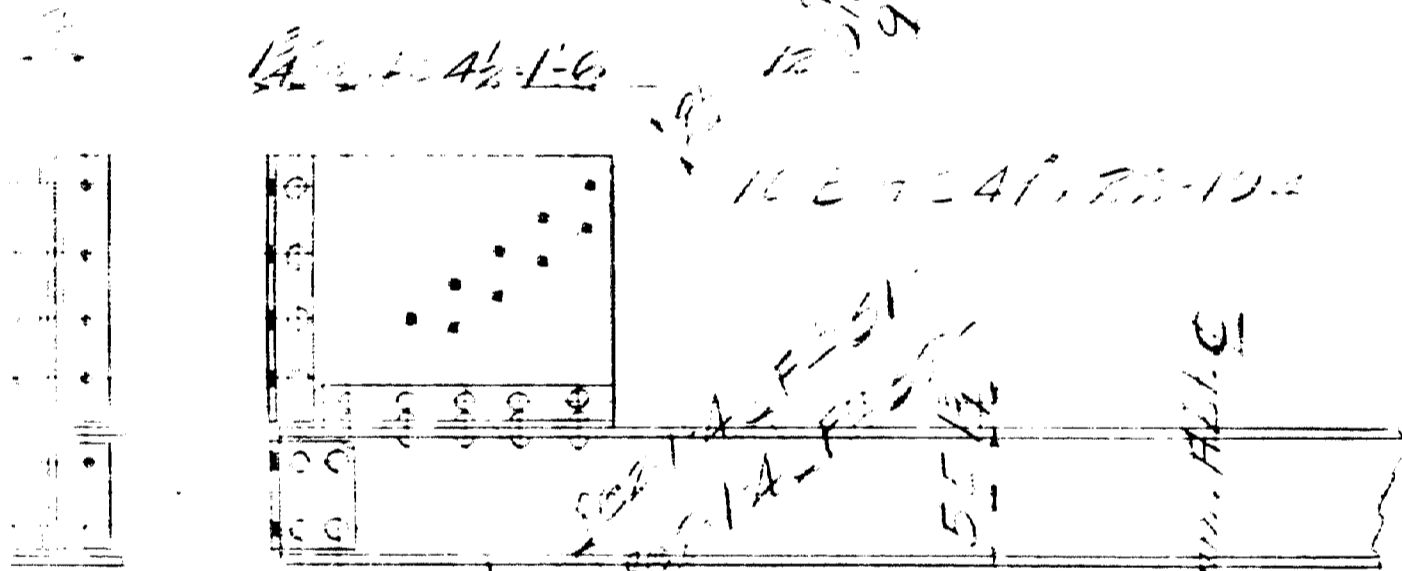
Sp. 11-11-11
 10 1/2 F4C6
 11 F4C6
 12 F4C6
 13 F4C6
 14 F4C6
 15 F4C6
 16 F4C6
 17 F4C6
 18 F4C6
 19 F4C6
 20 F4C6
 21 F4C6
 22 F4C6
 23 F4C6
 24 F4C6
 25 F4C6
 26 F4C6
 27 F4C6
 28 F4C6
 29 F4C6
 30 F4C6
 31 F4C6
 32 F4C6
 33 F4C6
 34 F4C6
 35 F4C6
 36 F4C6
 37 F4C6
 38 F4C6
 39 F4C6
 40 F4C6
 41 F4C6
 42 F4C6
 43 F4C6
 44 F4C6
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 46 F4C6
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 92 F4C6
 93 F4C6
 94 F4C6
 95 F4C6
 96 F4C6
 97 F4C6
 98 F4C6
 99 F4C6
 100 F4C6

INSPECTION	SHOP RIVETS	WEIGHT
F.T.L.		
RIVETS 7/8	OPEN HOLES 5/8	UNLESS NOTED
LACKAWANNA STEEL CONSTRUCTION CORPN BUFFALO, N. Y.		
STRUCTURE B2702-2702-28- FOR STOPS: 11/11/11 DETAILS OF CONNECTIONS: 11/11/11 SPECIFICATIONS: 11/11/11 SHOP PAINT: 11/11/11		
FIELD PART		
DRAWN BY	DATE	CHECKED BY
H.D. W.		H.M.
NO.	REV.	BY
1	1/2	H.P.
2	1/2	H.P.
3	1/2	H.P.
4	1/2	H.P.
5	1/2	H.P.
CONTRACT NO. 2702 SHEET NO. 1		

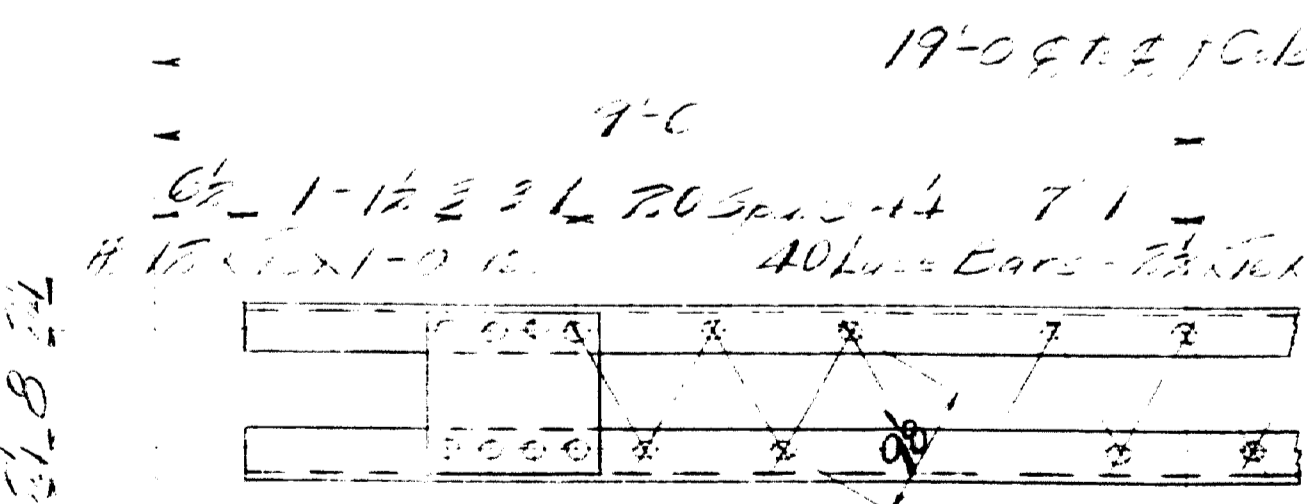




4x8x1/2
 12x12x1/4
 4x4x1/2
 6x6x1/2

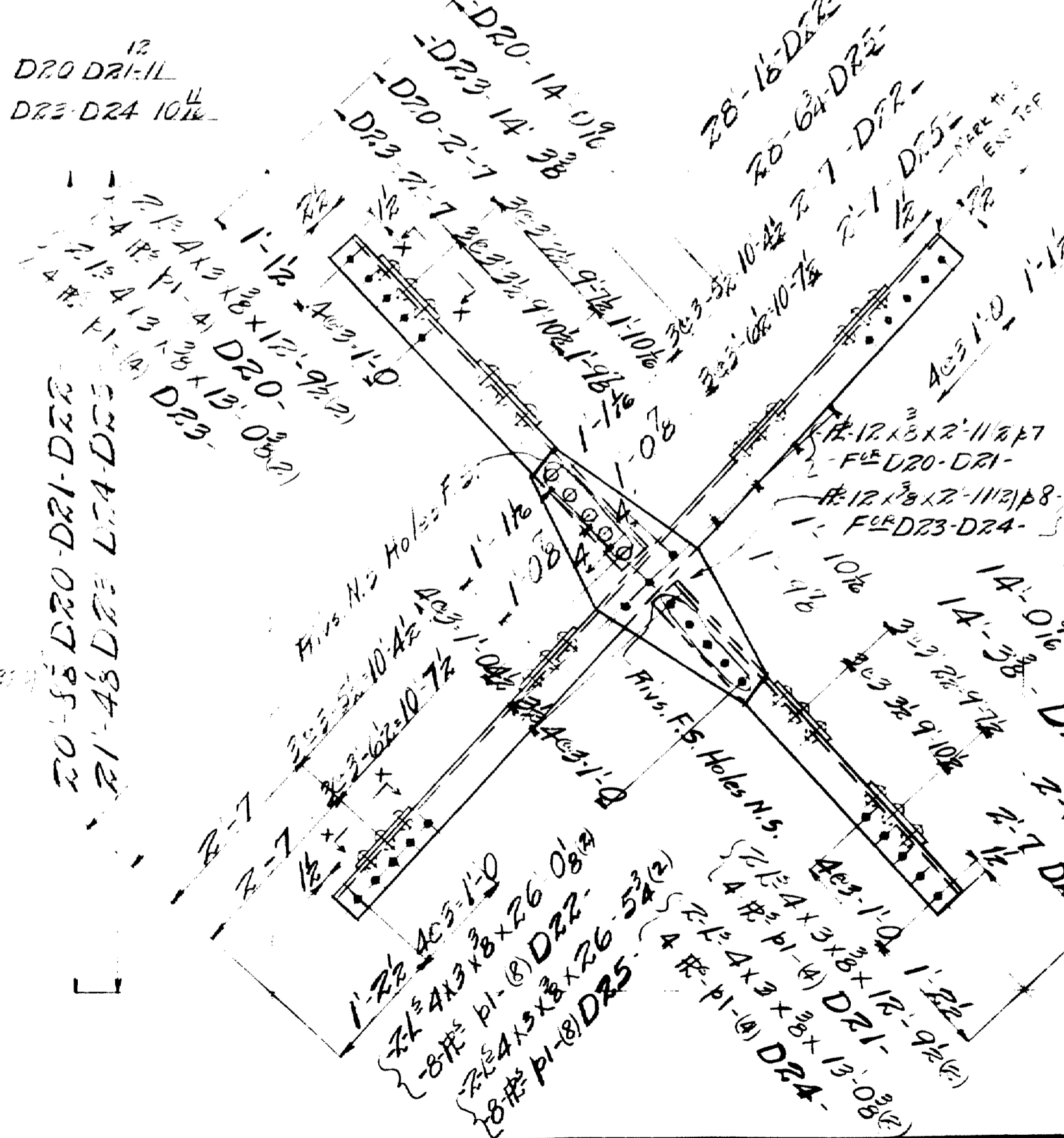


Struts - 1151 - 2 - Struts - 1752 -
 19-0 9 1/2 10 1/2



8 - Struts - 1753 -
 Symm. Alt. Q

2 - Diagonals - 17D5 - 2 - Diagonals - 17D8 -
 2 - do - 17D6 - 2 - do - 17D9 -
 2 - do - 17D7 - 2 - do - 17D10 -
 19-0

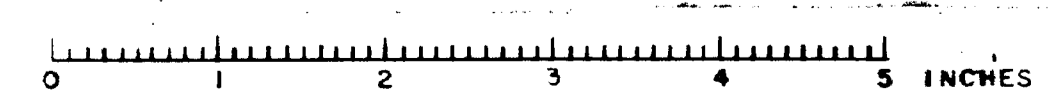


1 - Diagonal - 17D20 -
 1 - do - 17D21 -
 1 - do - 17D22 -
 1 - do - 17D23 -
 1 - do - 17D24 -
 1 - do - 17D25 -

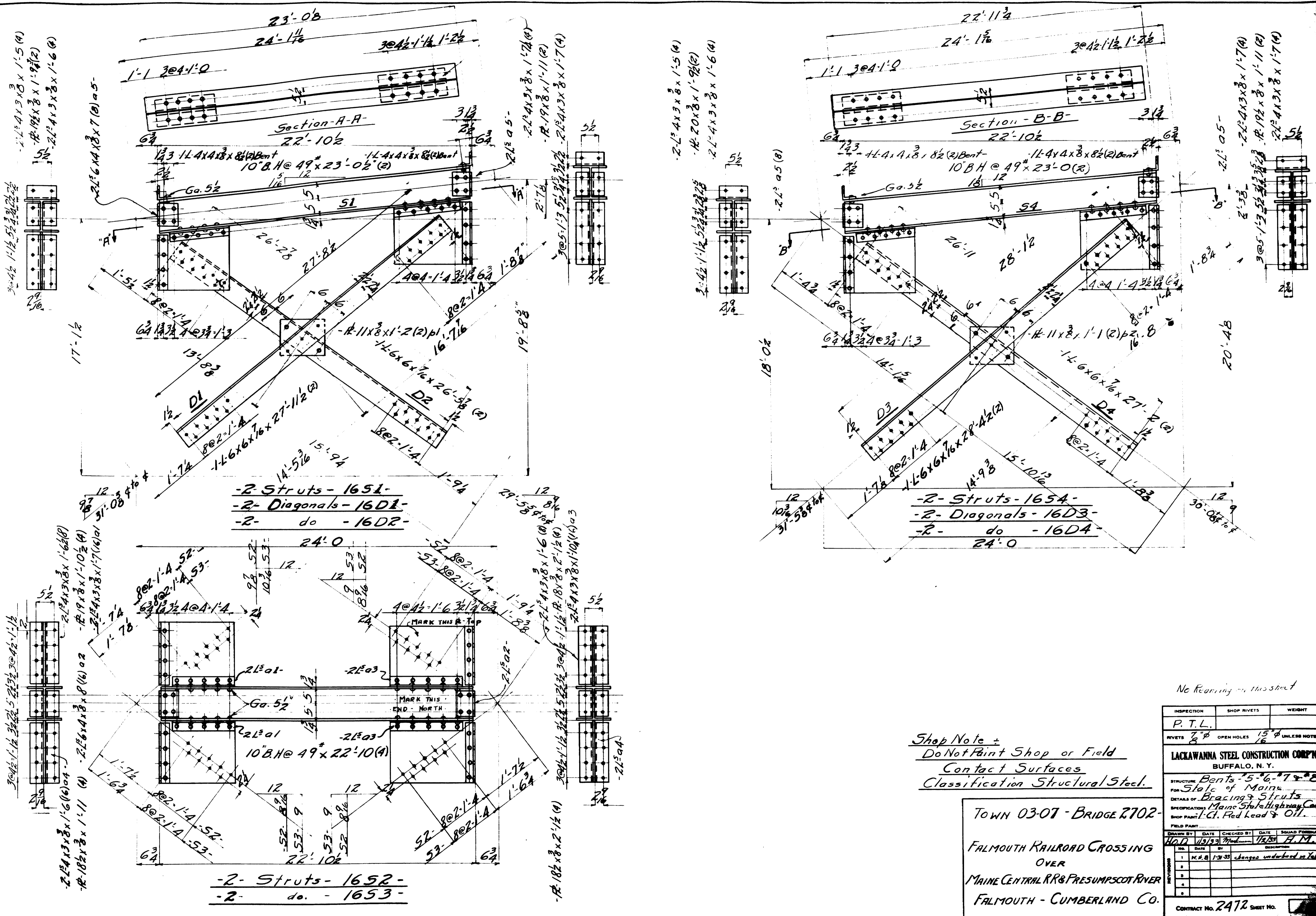
Shop Notes:
 Do Not Paint Shop or Field
 Contact Surface
 Classification Structural Steel
 1/2" remaining on this sheet

TOWN 03 07 - BRIDGE 702
 FALMOUTH RAILROAD CROSSING
 OVER
 MAINE CENTRAL R.R. PRESUMPSCOT RIVER
 FALMOUTH - CUMBERLAND Co.
 CONTRACT No. 2472 SHEET No. 11

INSPECTION	SHOP RIVETS	WEIGHT
1/7		
RIVETS	OPEN HOLES	UNLESS NOTED
LACKAWANNA STEEL CONSTRUCTION CORP BUFFALO, N. Y.		
STRUCTURE Built 1912		
FOR State of Maine		
DETAILS OF EQUATION		
SPECIFICATIONS American Institute of Steel Construction		
SHOP PART 1/2" remaining on this sheet		
DRAWN BY	DATE	CHECKED BY
W.H.B.	1-31-23	W.H.B.
NO.	DATE	NO.
1	W.H.B.	1-31-23
2		
3		
4		
5		
CONTRACT No. 2472 SHEET No. 11		



Traced by Survey 11/30/34



- 2 Struts - 1651-
- 2 Diagonals - 16D1-
- 2 do - 16D2-

- 2 Struts - 165A-
- 2 Diagonals - 16D3-
- 2 do - 16D4-

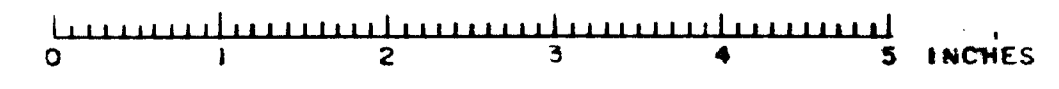
- 2 Struts - 1652-
- 2 do - 1653-

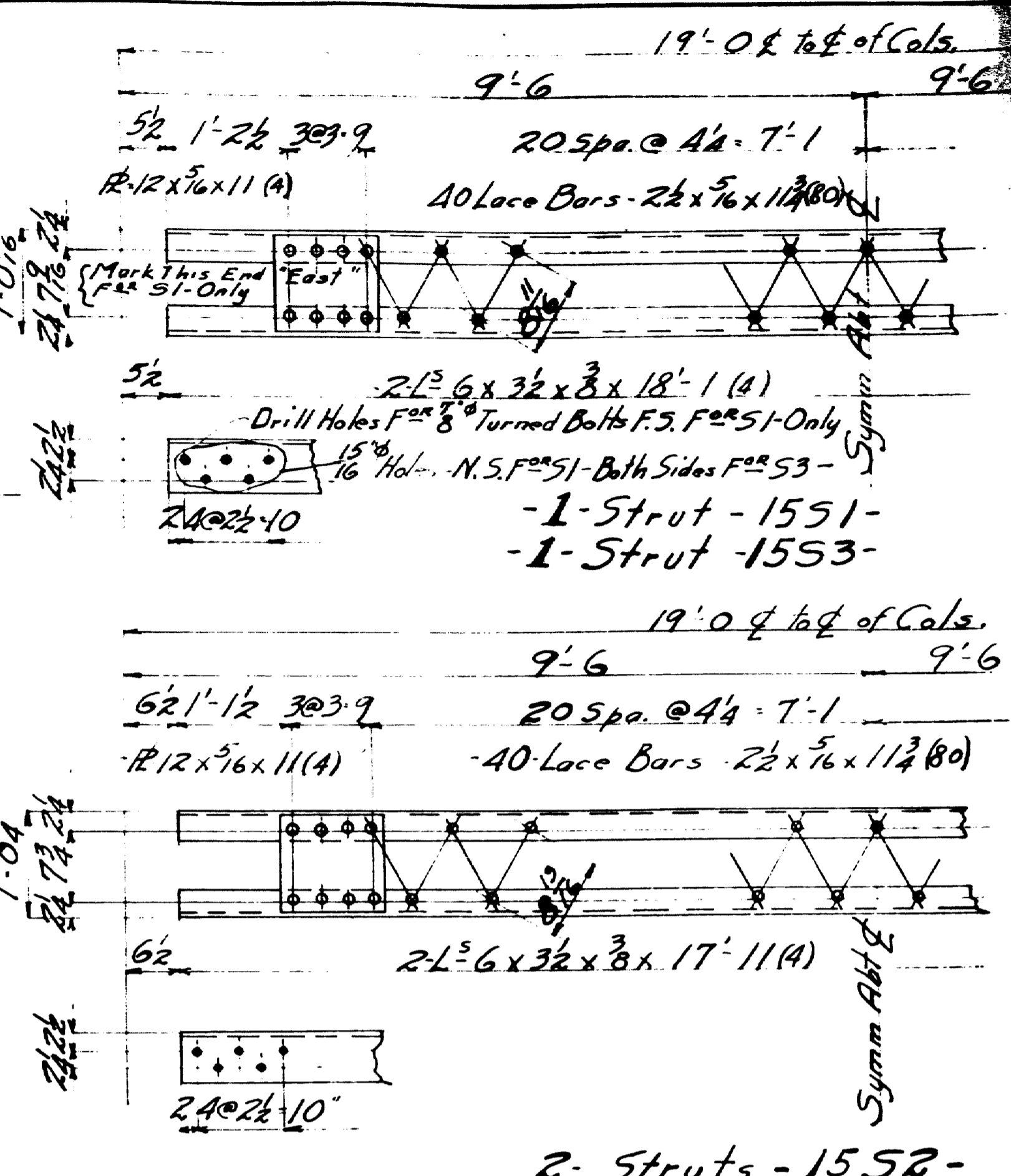
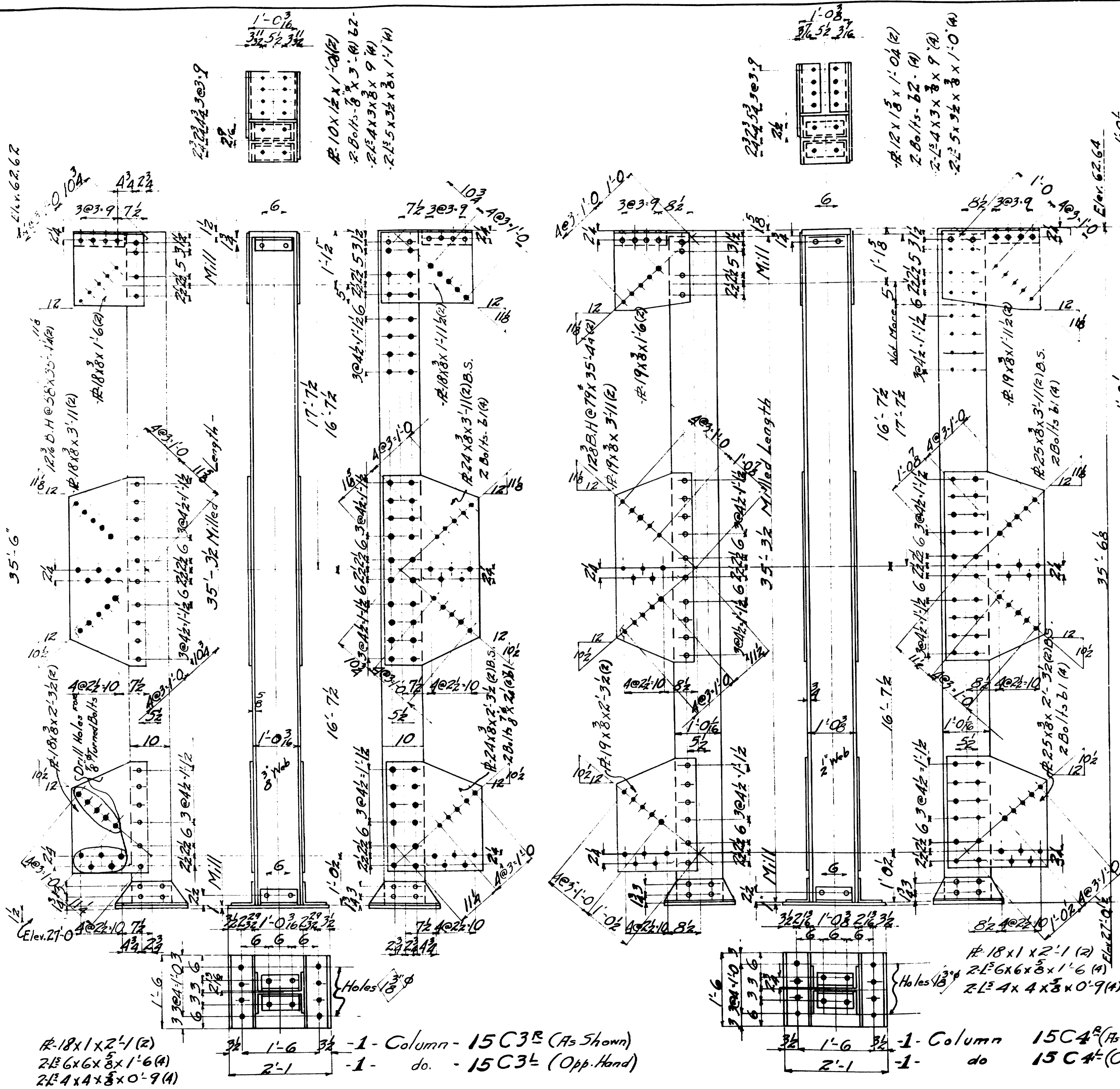
Shop Note +
 Do Not Paint Shop or Field
 Contact Surfaces
 Classification Structural Steel.

TOWN 03-07 - BRIDGE 2702 -
 FALMOUTH RAILROAD CROSSING
 OVER
 MAINE CENTRAL RR & PRESUMSCOT RIVER
 FALMOUTH - CUMBERLAND CO.

No Requiring in this sheet

INSPECTION	SHOP RIVETS	WEIGHT
P. T. L.		
RIVETS 7/8"	OPEN HOLES 1 1/2" UNLESS NOTED	
LACKAWANNA STEEL CONSTRUCTION CORPN BUFFALO, N. Y.		
STRUCTURE Bents - 5-6-7-8 FOR State of Maine		
DETAILS OF Bracing & Struts		
SPECIFICATIONS Maine State Highway Comm.		
SHOP PAINT: Cl. Red lead & Oil		
FIELD PAINT		
DRAWN BY	DATE	CHECKED BY
HOT	11/23/34	1/6/35
DATE	BY	DATE
1	M. R. B.	1/23/35
2		
3		
4		
5		
6		
CONTRACT No. 2472 SHEET No. <input type="checkbox"/>		





Note :-
 Holes In Metal 3/4 Thick Or More To Be Subpunched 1/16" and Reamed To 15/16" - Holes In Metal Over 8 Thick To Be Drilled

Shop Note:-
 Do Not Paint Shop or Field Contact Surfaces.
 Classification Structural Steel.

TOWN 03-07 BRIDGE 2702
 FALMOUTH RAILROAD CROSSING
 OVER
 MAINE CENTRAL RR + PRESUMPSCOT RIVER
 FALMOUTH - CUMBERLAND CO.

INSPECTION	SHOP RIVET	WEIGHT
P.T.L.		
RIVETS 7/8" φ	OPEN HOLES 15/16"	UNLESS NOTED

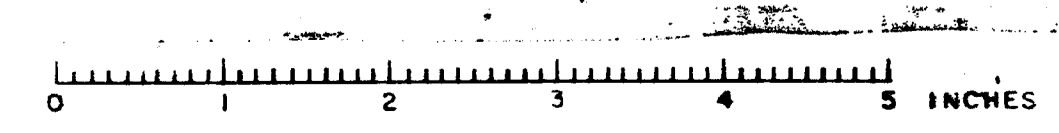
LACKAWANNA STEEL CONSTRUCTION CORP
 BUFFALO, N. Y.

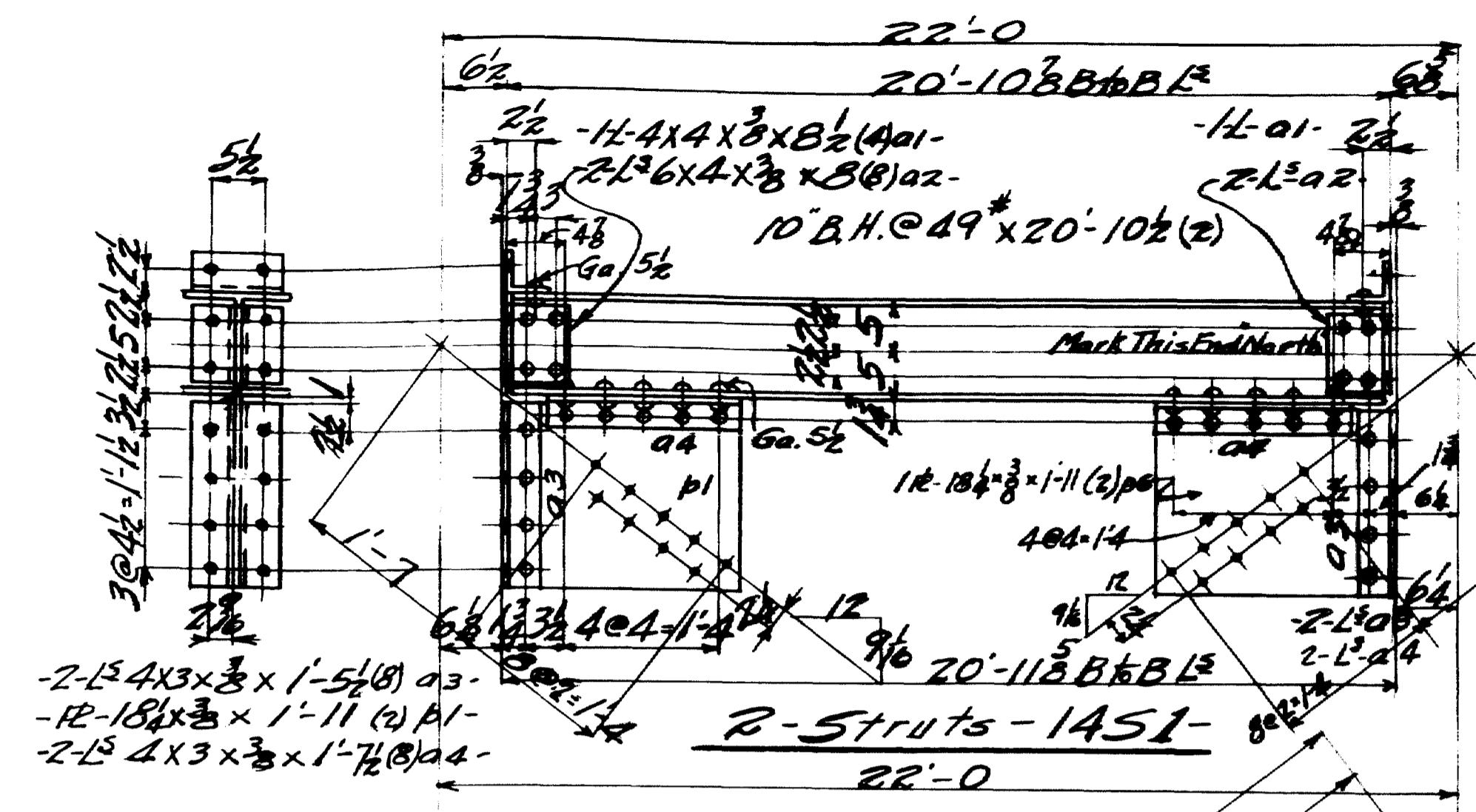
STRUCTURE Falmouth Railroad Crossing
 FOR State of Maine
 DETAILS of Columns Etc. Bents 3-4
 SPECIFICATIONS Maine State Highway Comm
 SHOP PAINT: 1-Gal. Red Lead and Oil

NO.	DATE	CHANGED BY	DATE	REASON FOR CHANGE
1				
2				
3				

CONTRACT NO. 2472 SHEET NO. 4

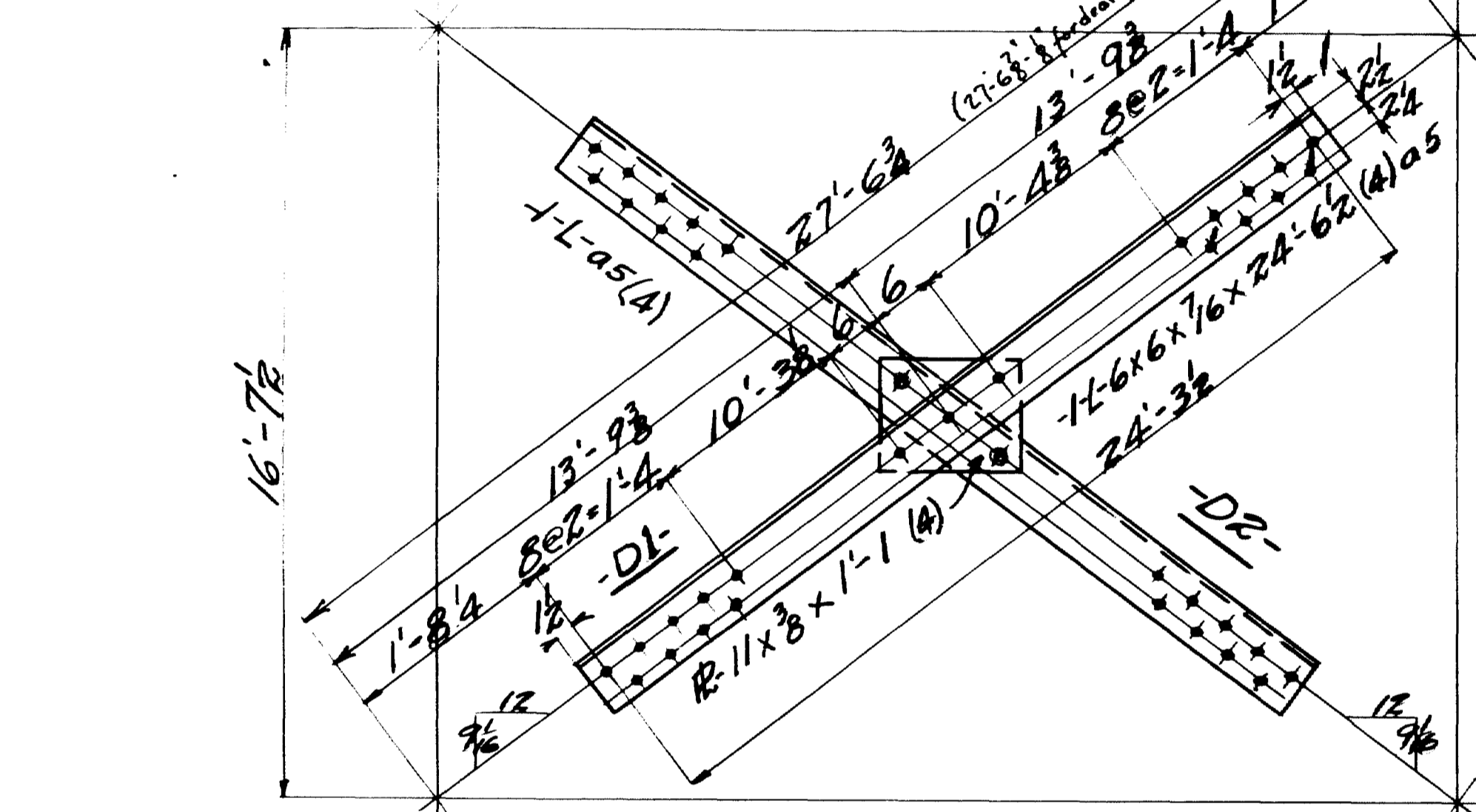
Coated by Savage 1/21/64





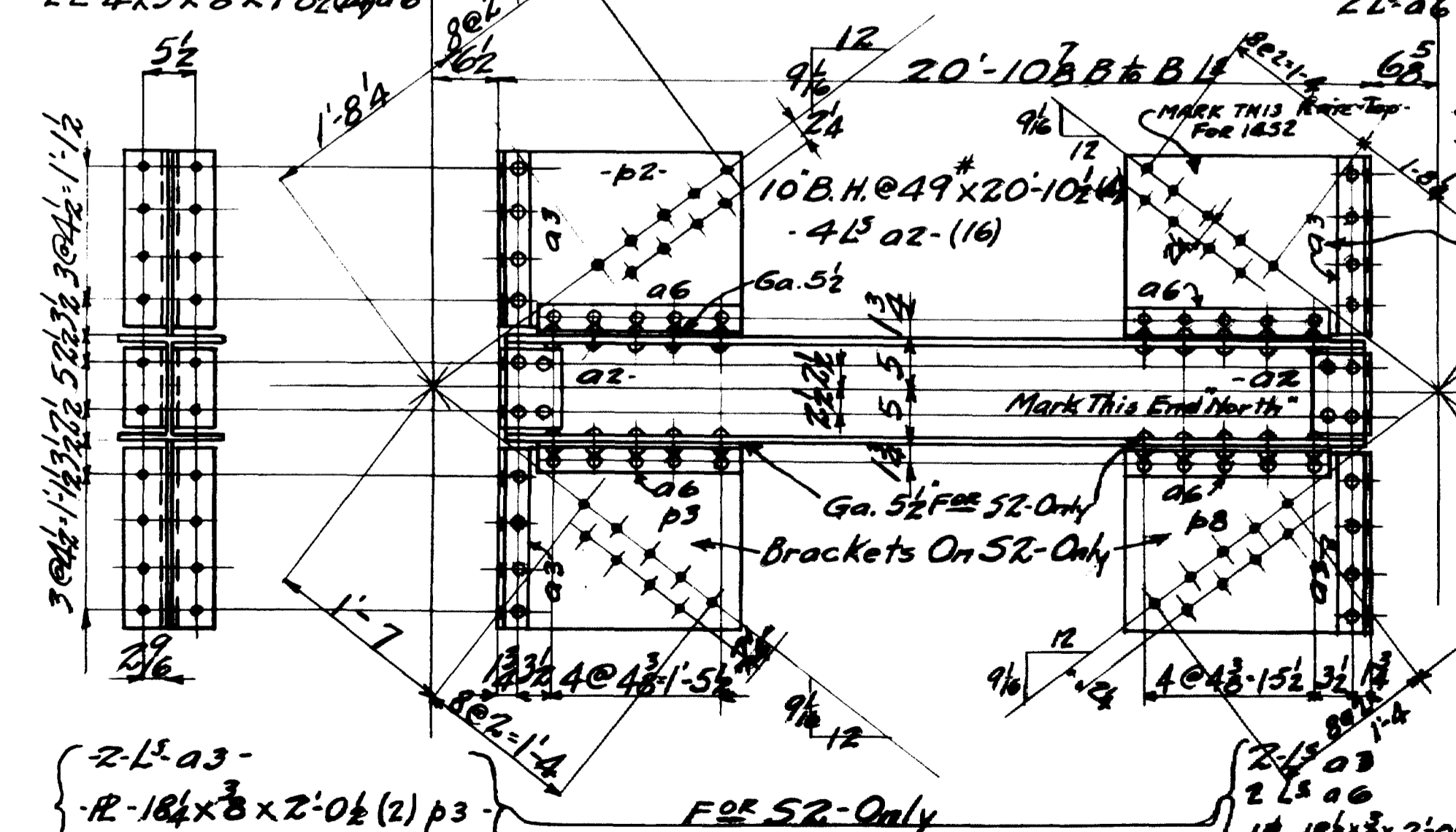
2-L⁴x3x3x1-5/8 (2) a3-
 1-R-18x3x3x1-11 (2) a1-
 2-L⁴x3x3x1-7/8 (2) a4-

2-Struts - 1451-



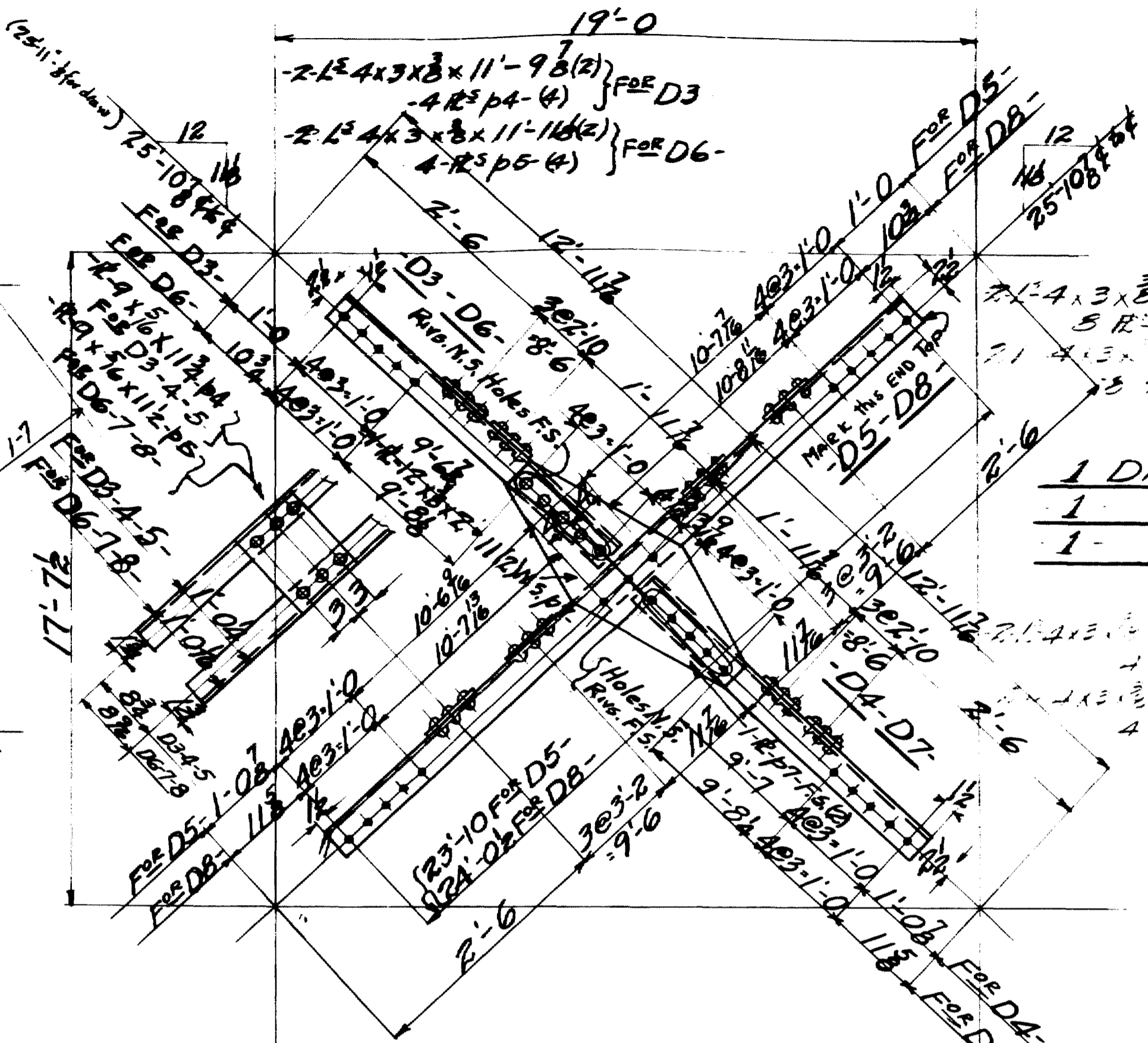
2-L⁴ a3-(20)
 1-R-18x3x3x2-0 1/2 (4) p2
 2-L⁴x3x3x1-8 (2) a6

4-Diagonals - 14D1-
 4 do. - 14D2-



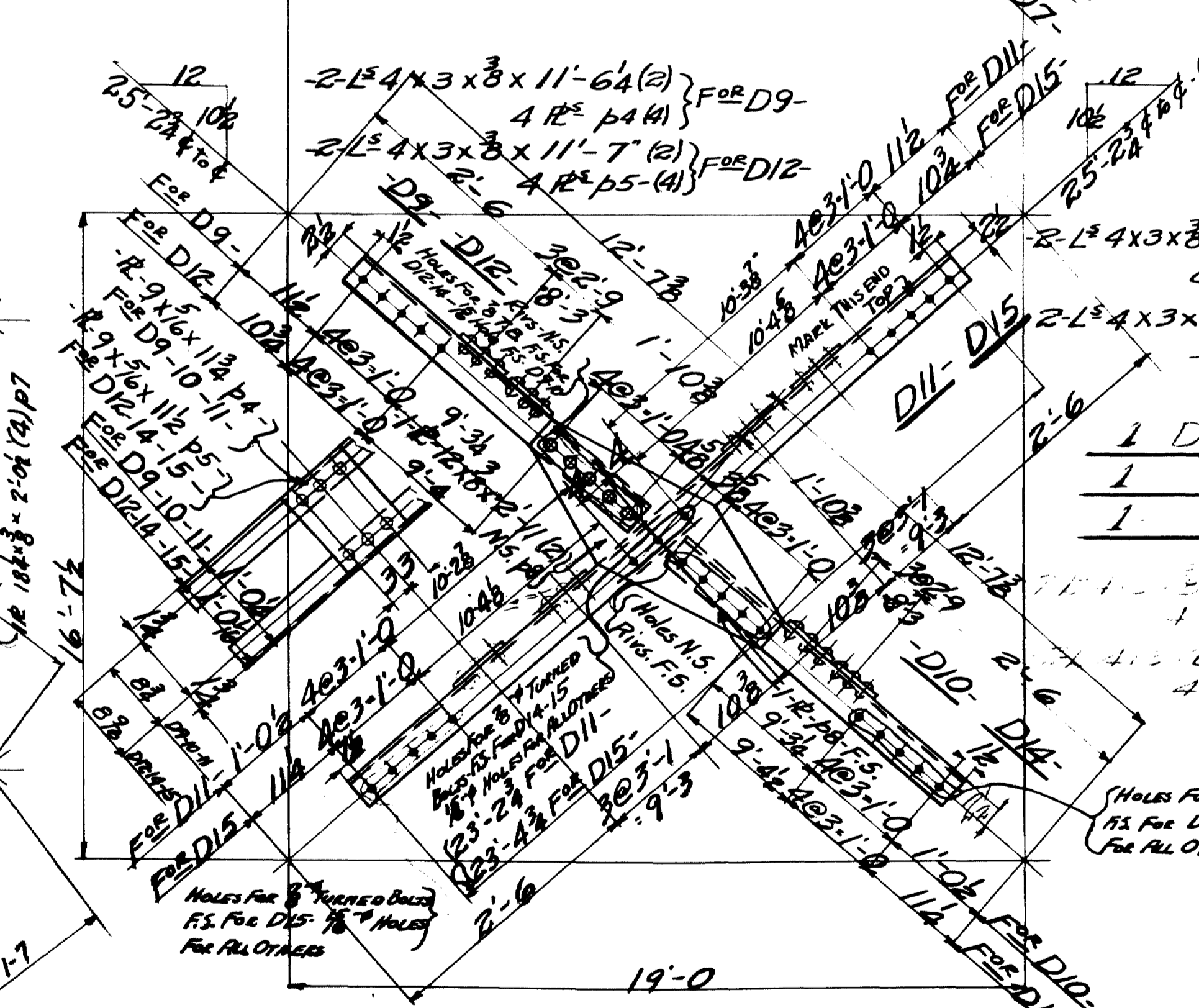
2-L⁴ a3-
 1-R-18x3x3x2-0 1/2 (2) p3
 2-L⁴ a6-

2-Struts - 1452-
 2 do. - 1453-



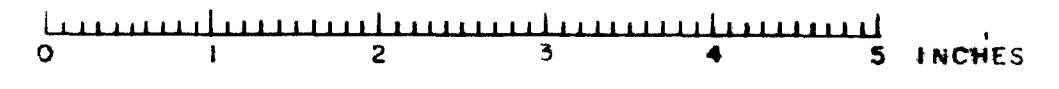
1 Diagonal - 14D3-
 1 do. - 14D4-
 1 do. - 14D5-

1 Diagonal - 14D6-
 1 do. - 14D7-
 1 do. - 14D8-



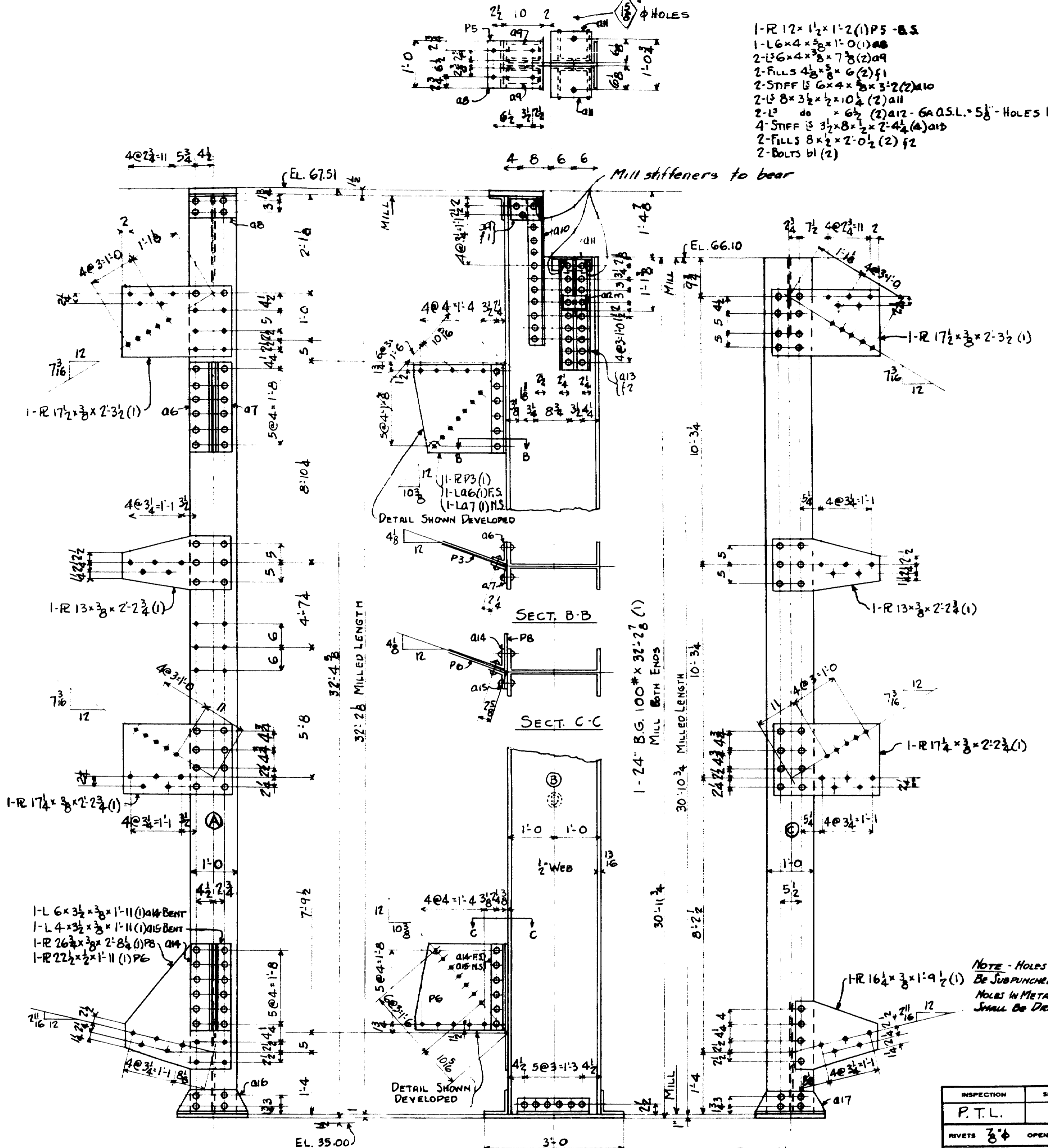
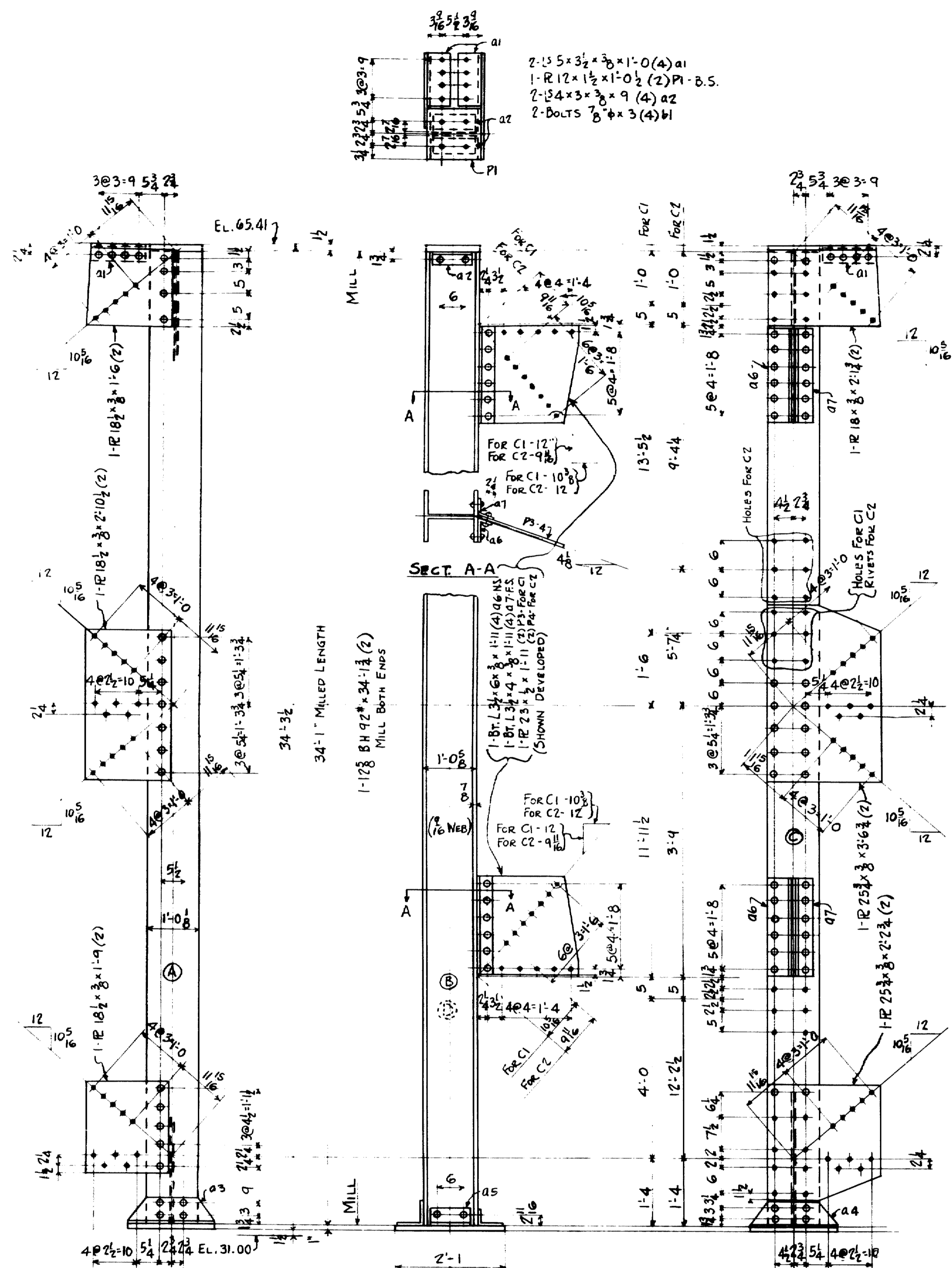
1 Diagonal - 14D9-
 1 do. - 14D10-
 1 do. - 14D11-

1 Diagonal - 14D12-
 1 do. - 14D13-
 1 do. - 14D14-
 1 do. - 14D15-



INSPECTION	SHOP RIVETS	WEIGHT
PTL		
RIVETS 3/8\"	OPEN HOLES 1/2\"	UNLESS NOTED
LACKAWANNA STEEL CONSTRUCTION CORP BUFFALO, N. Y.		
STRUCTURE Falmouth Railroad Crossing for State of Maine		
DETAILS OF BRIDGE - Etc. Bents 3-4 SPECIFICATIONS Maine State Highway Com. SHOP PAPER - See General & Oil		
FIELD PAINT		
DRAWN BY	DATE	CHECKED BY DATE
H.D. Vane	1-15-33	H.D.
TOWN 03 07 BRIDGE 270R		
FALMOUTH RAILROAD CROSSING		
- OVER -		
MAINE CENTRAL RR & PRESUMPSCOT RIVER		
FALMOUTH - CUMBERLAND CO.		
CONTRACT NO. 747R SHEET NO.		

No bearing on this sheet
 TOWN 03 07 BRIDGE 270R
 FALMOUTH RAILROAD CROSSING
 - OVER -
 MAINE CENTRAL RR & PRESUMPSCOT RIVER
 FALMOUTH - CUMBERLAND CO.

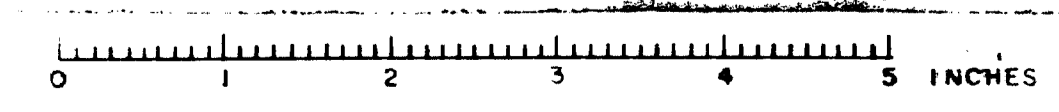


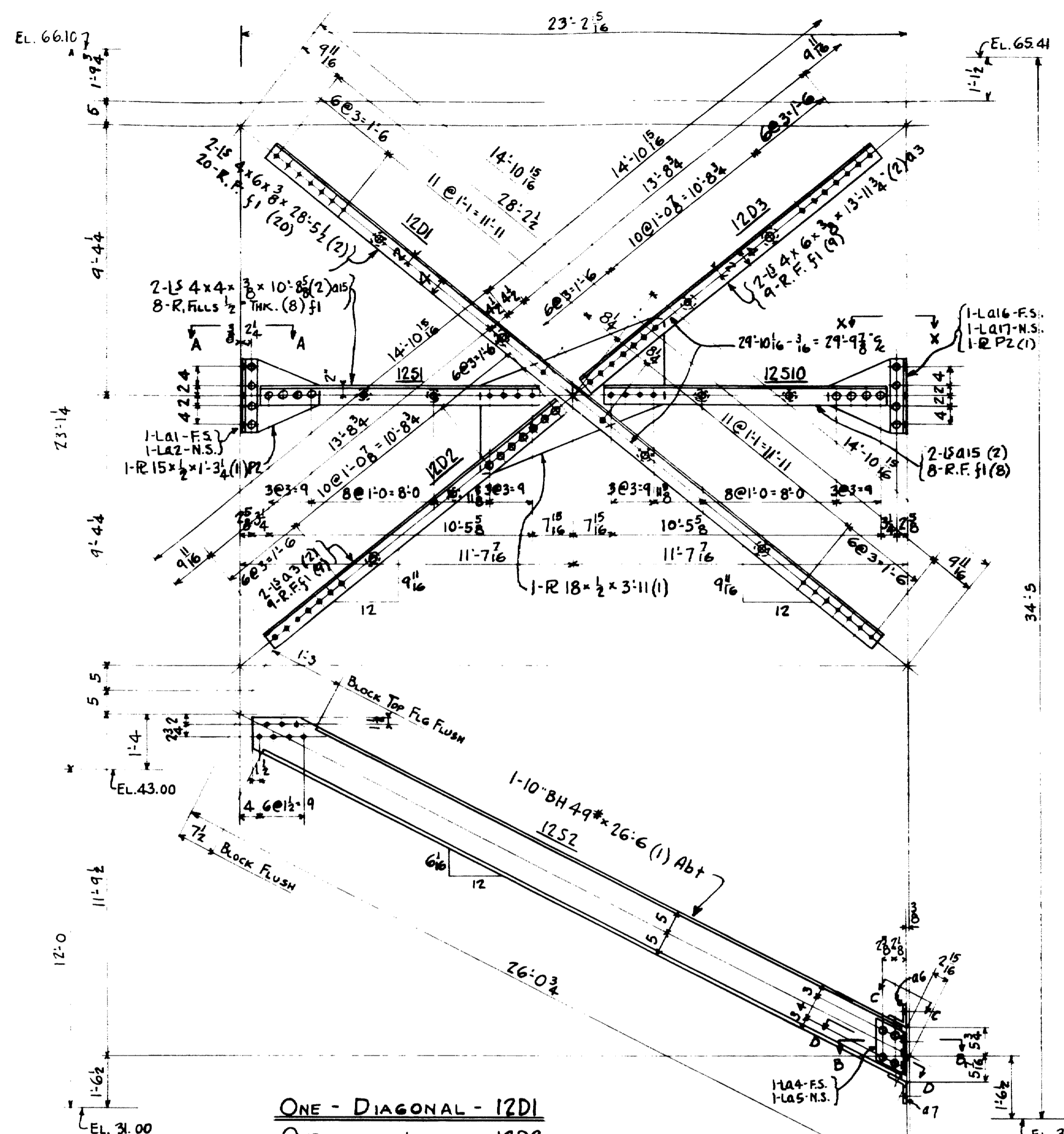
INSPECTION	SHOP RIVETS	WEIGHT
P.T.L.		
RIVETS 7/8 φ	OPEN HOLES 1 5/16 φ	UNLESS NOTED
LACKAWANNA STEEL CONSTRUCTION CORP^N BUFFALO, N. Y.		
STRUCTURE FALMOUTH RAILROAD CROSSING FOR STATE OF MAINE DETAILS OF COLS. (BENT 9 #10) SPECIFICATIONS MAINE STATE HIGHWAY COMM. SHOP PAINT: 1: CY. RED LEAD & OIL		
FIELD PAINT:		
DRAWN BY	DATE	CHECKED BY
G.M.S.	1-17-33	W.M. MARKMANN
NO.	DATE	BY
1	7/11/37	Approval Change
2		
3		
4		
5		
CONTRACT No. 2472		SHEET No. 13

TOWN 03-07 BRIDGE 2702
FALMOUTH RAILROAD CROSSING
OVER
MAINE CENTRAL RR & PRESUMPSCOT RIVER
FALMOUTH - CUMBERLAND CO.

-SHOP NOTES-
 DO NOT PAINT SHOP OR
 FIELD CONTACT SURFACES
 CLASSIFICATION - STRUCTURAL STEEL

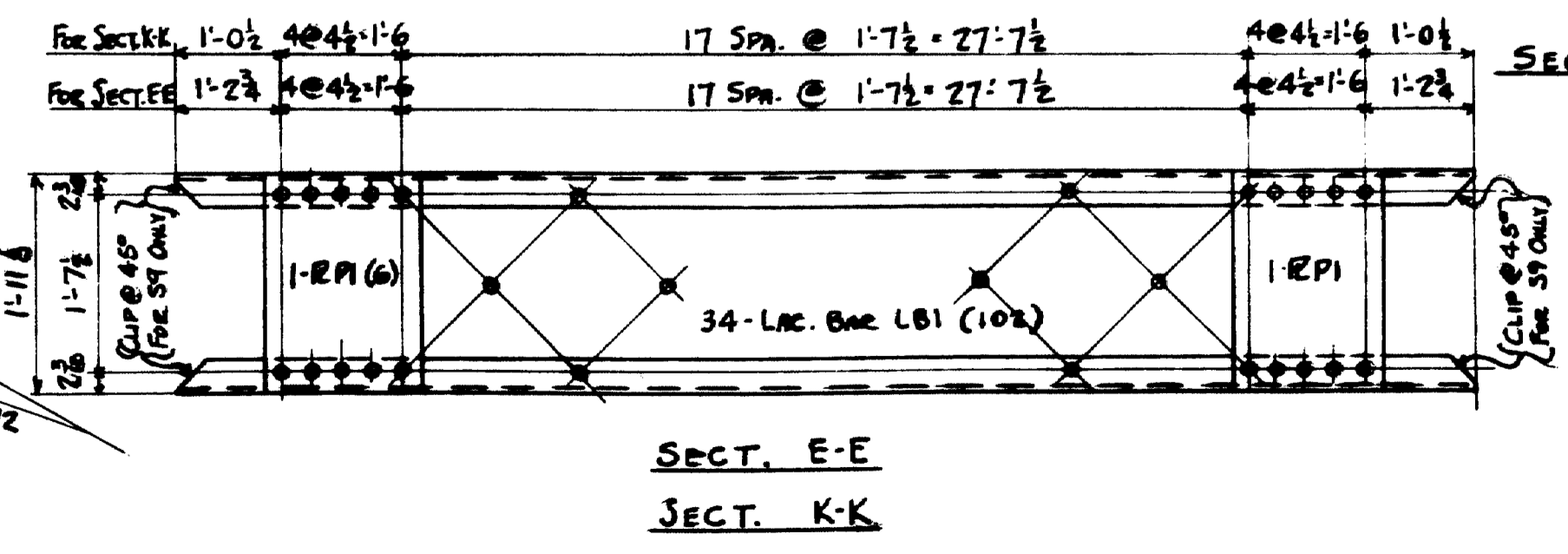
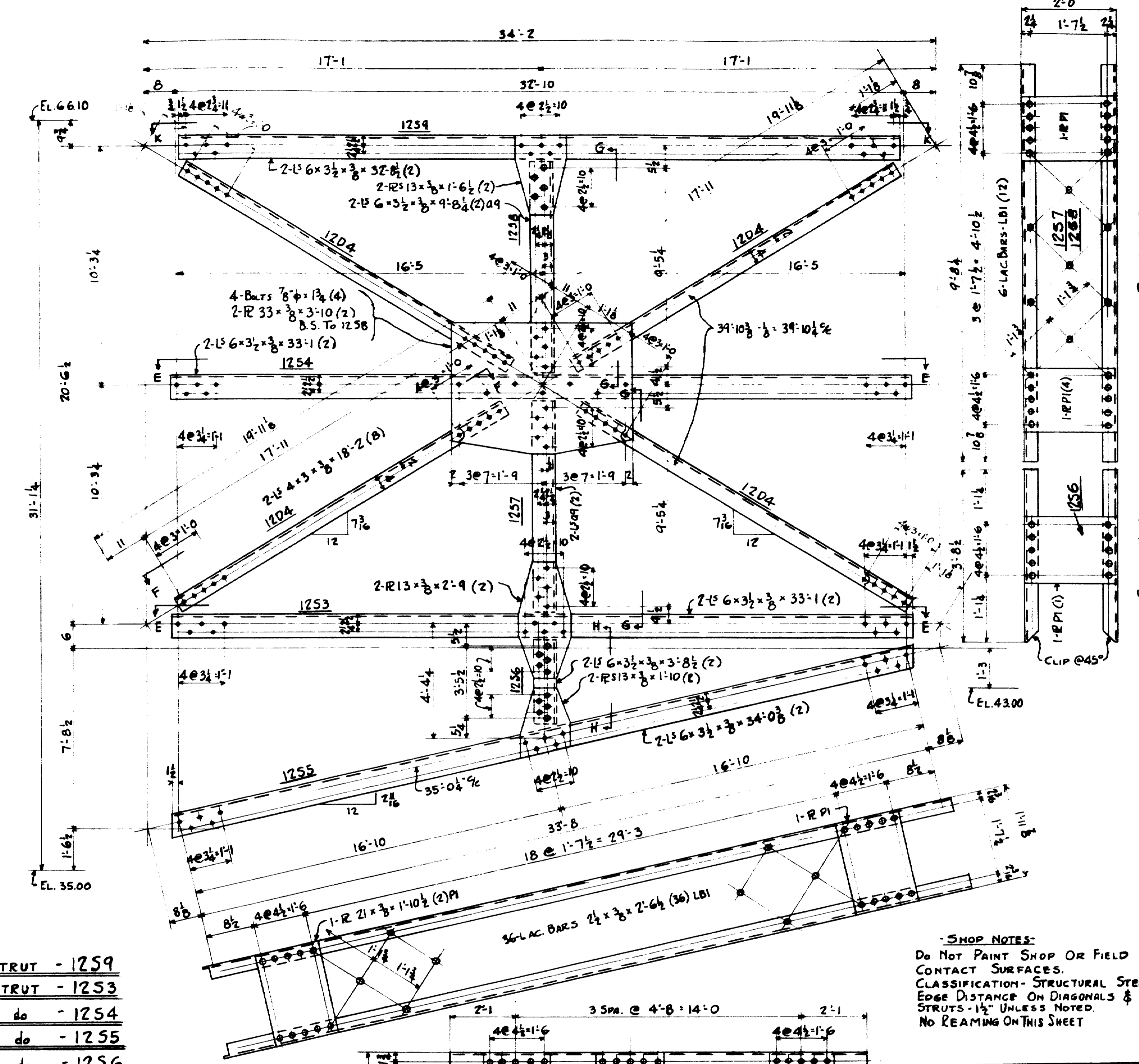
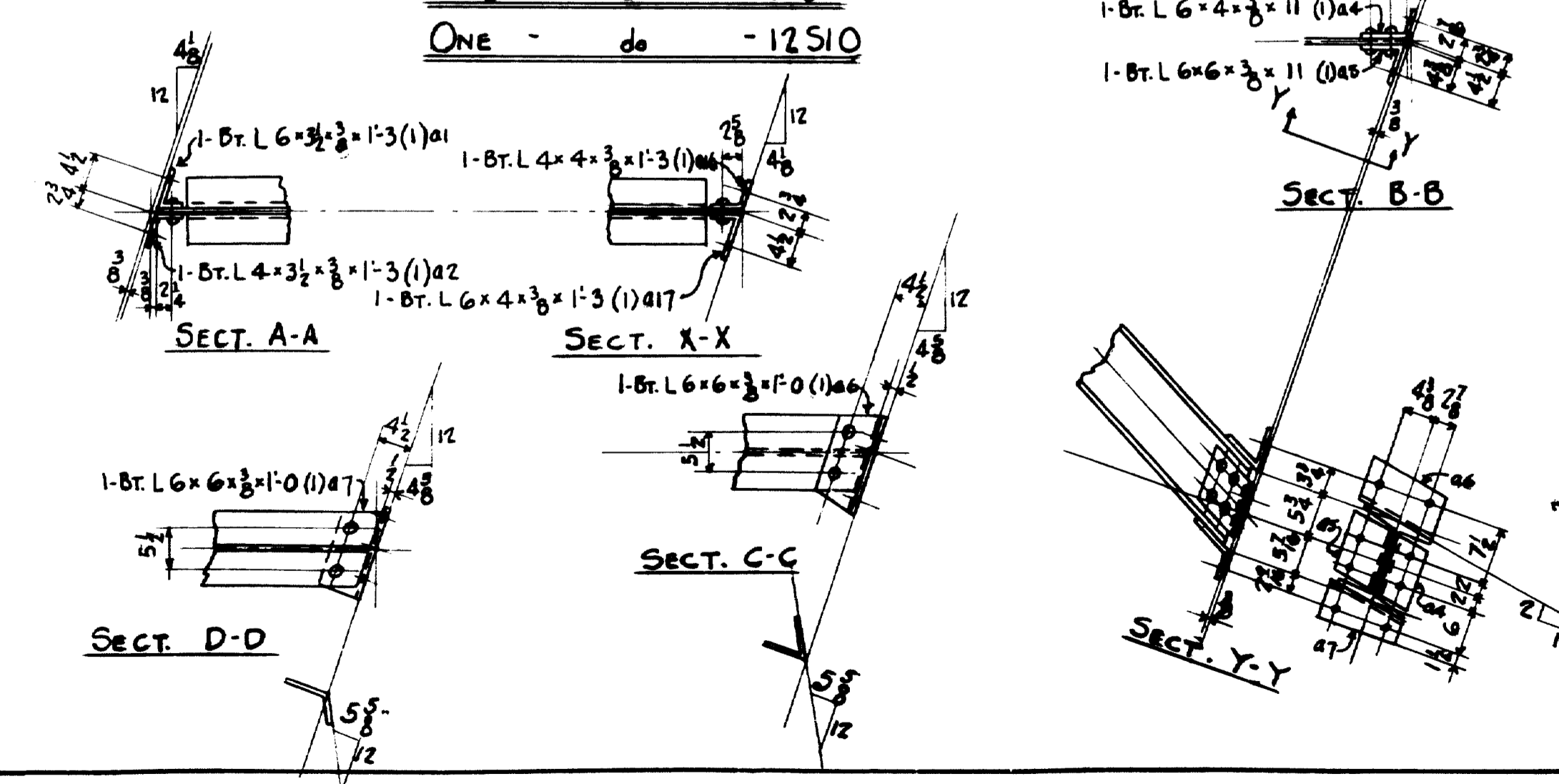
NOTE - HOLES IN METAL 3/8" OR MORE TO
 BE SUPPLEMENTED & REAMED TO 1/8"
 HOLES IN METAL MORE THAN 7/16"
 SHALL BE DRILLED





- ONE - DIAGONAL - 12D1
- ONE - do - 12D2
- ONE - do - 12D3
- ONE - STRUT - 12S1
- ONE - do - 12S2
- ONE - do - 12S10

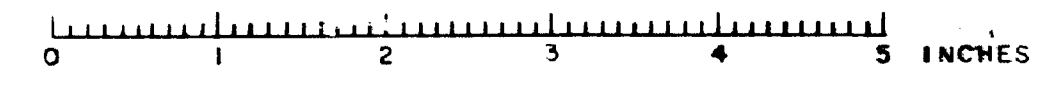
- 1 - STRUT - 12S9
- 1 - STRUT - 12S3
- 1 - do - 12S4
- 1 - do - 12S5
- 1 - do - 12S6
- 1 - do - 12S7
- 1 - do - 12S8
- 4 - DIAGONALS - 12D4

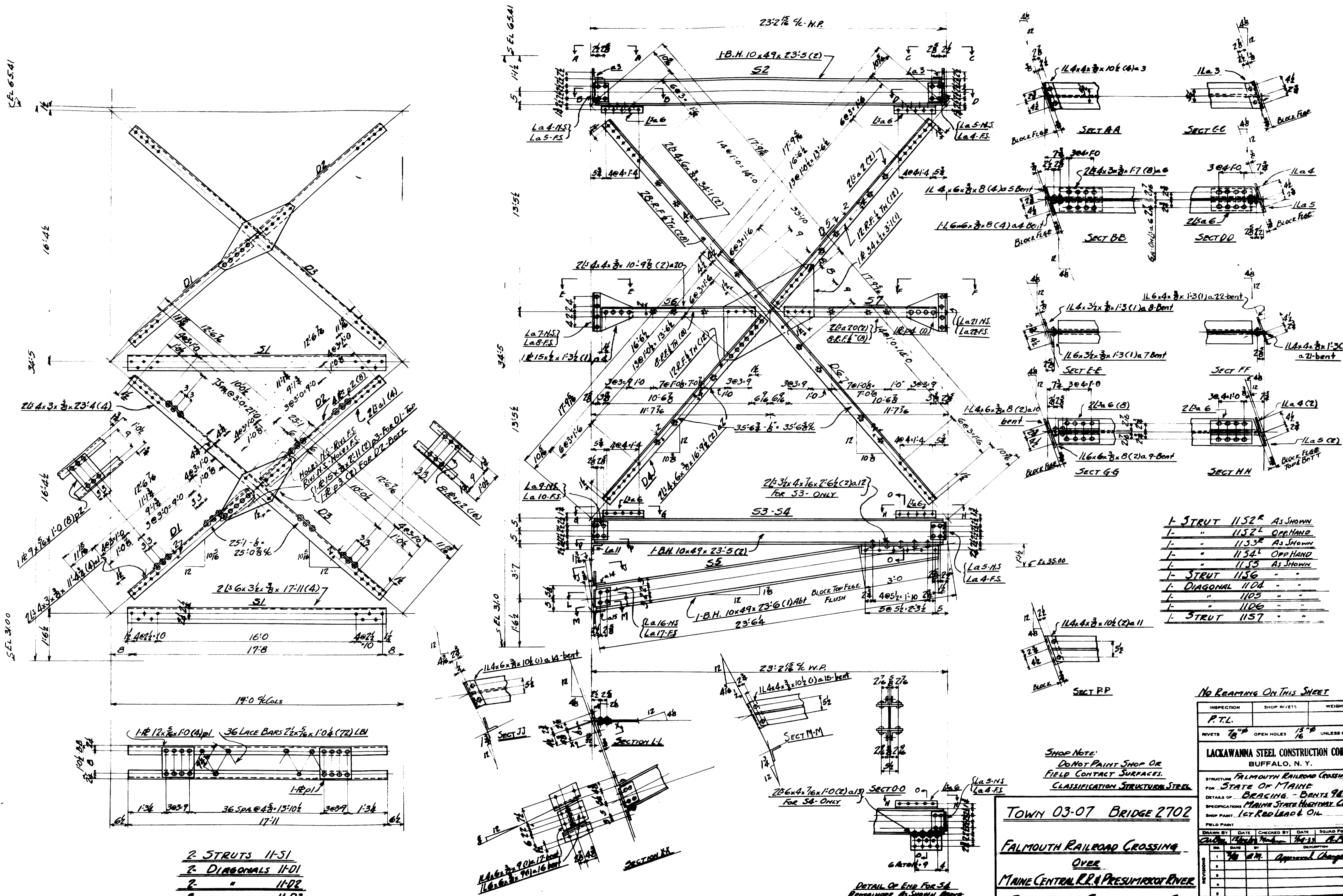


SHOP NOTES:
 DO NOT PAINT SHOP OR FIELD CONTACT SURFACES.
 CLASSIFICATION - STRUCTURAL STEEL.
 EDGE DISTANCE ON DIAGONALS & STRUTS - 1/2" UNLESS NOTED.
 NO REAMING ON THIS SHEET

INSPECTION	SHOP RIVETS	WEIGHT
P.T.L.		
RIVETS	7/8" φ	OPEN HOLES 1 1/8" φ UNLESS NOTED
LACKAWANNA STEEL CONSTRUCTION CORP BUFFALO, N. Y.		
STRUCTURE FALMOUTH RAILROAD CROSSING FOR STATE OF MAINE DETAILS OF BRACING (BENT 9 & 10) SPECIFICATIONS MAINE STATE HIGHWAY COMMISSION SHOP PART 1 - G. RED LEAD & OIL		
DESIGNED BY	DATE	CHECKED BY
EL. S. 1-10-35	1935	W. B. MARK
CONTRACT NO. 2472 SHEET NO. 12		

TOWN 03-07 BRIDGE 2702
FALMOUTH RAILROAD CROSSING
OVER
MAINE CENTRAL R.R. & PRESUMPSCOT RIVER
FALMOUTH - CUMBERLAND CO.



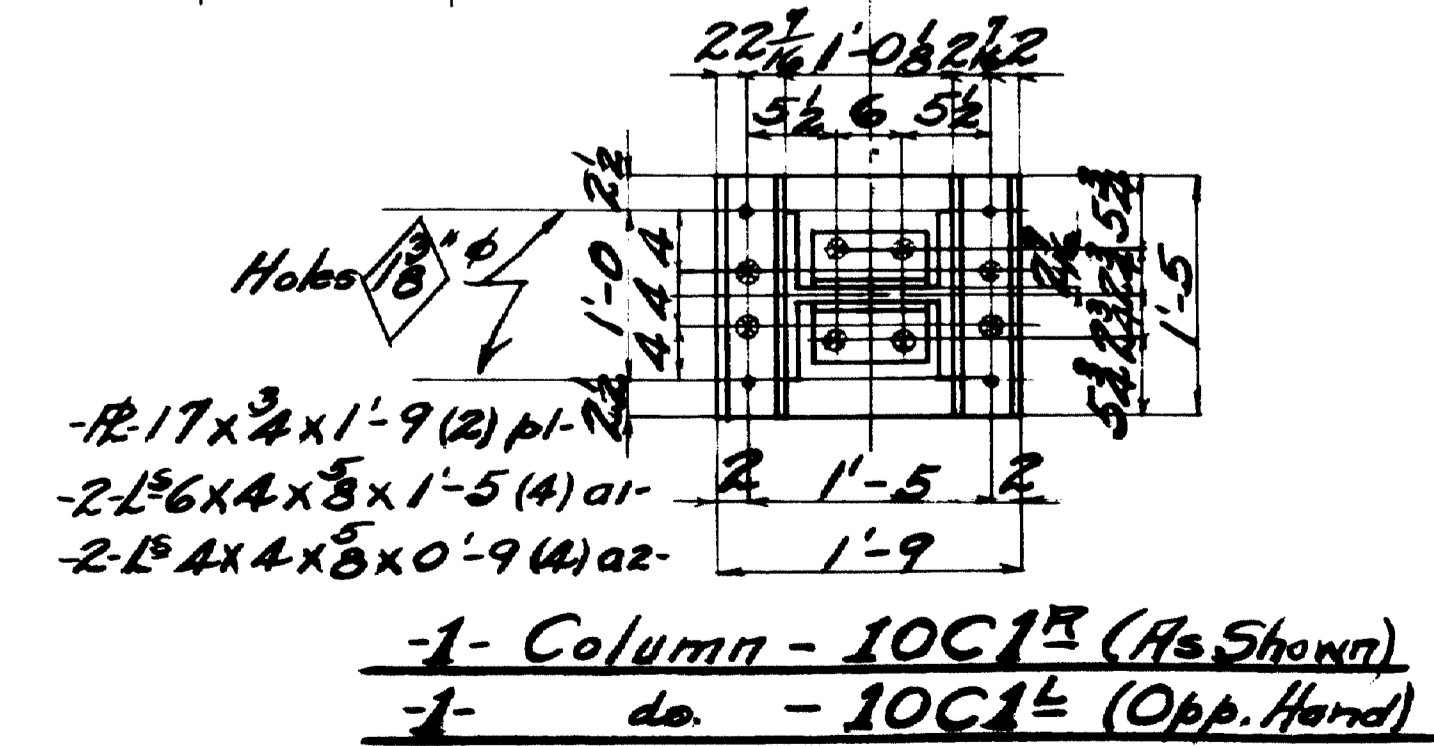
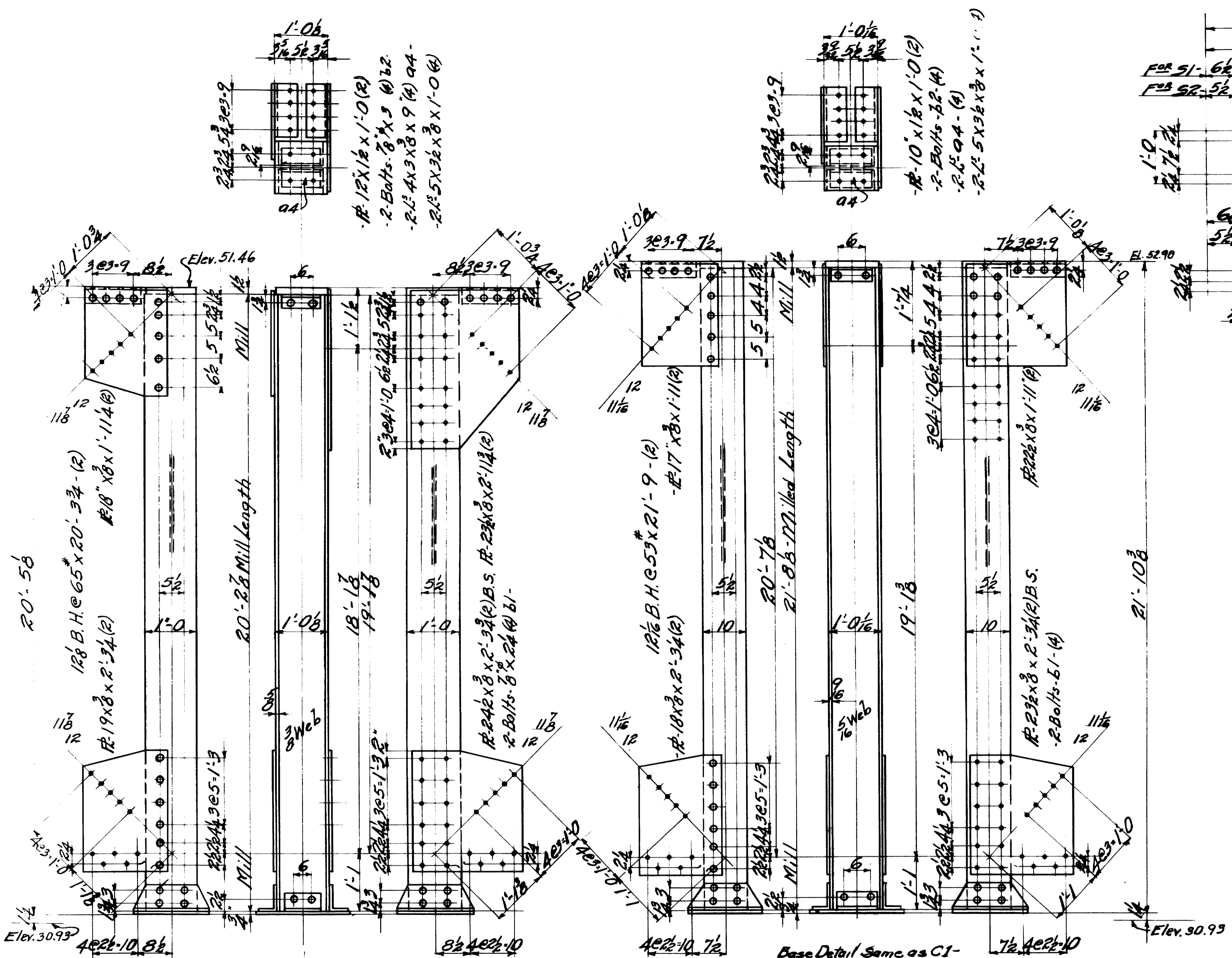


- 1- STRUT 1152^R AS SHOWN
- 1- " 1152^L OPP HAND
- 1- " 1153^R AS SHOWN
- 1- " 1154^L OPP HAND
- 1- " 1155 AS SHOWN
- 1- STRUT 1156
- 1- DIAGONAL 1101
- 1- " 1105
- 1- " 1106
- 1- STRUT 1157

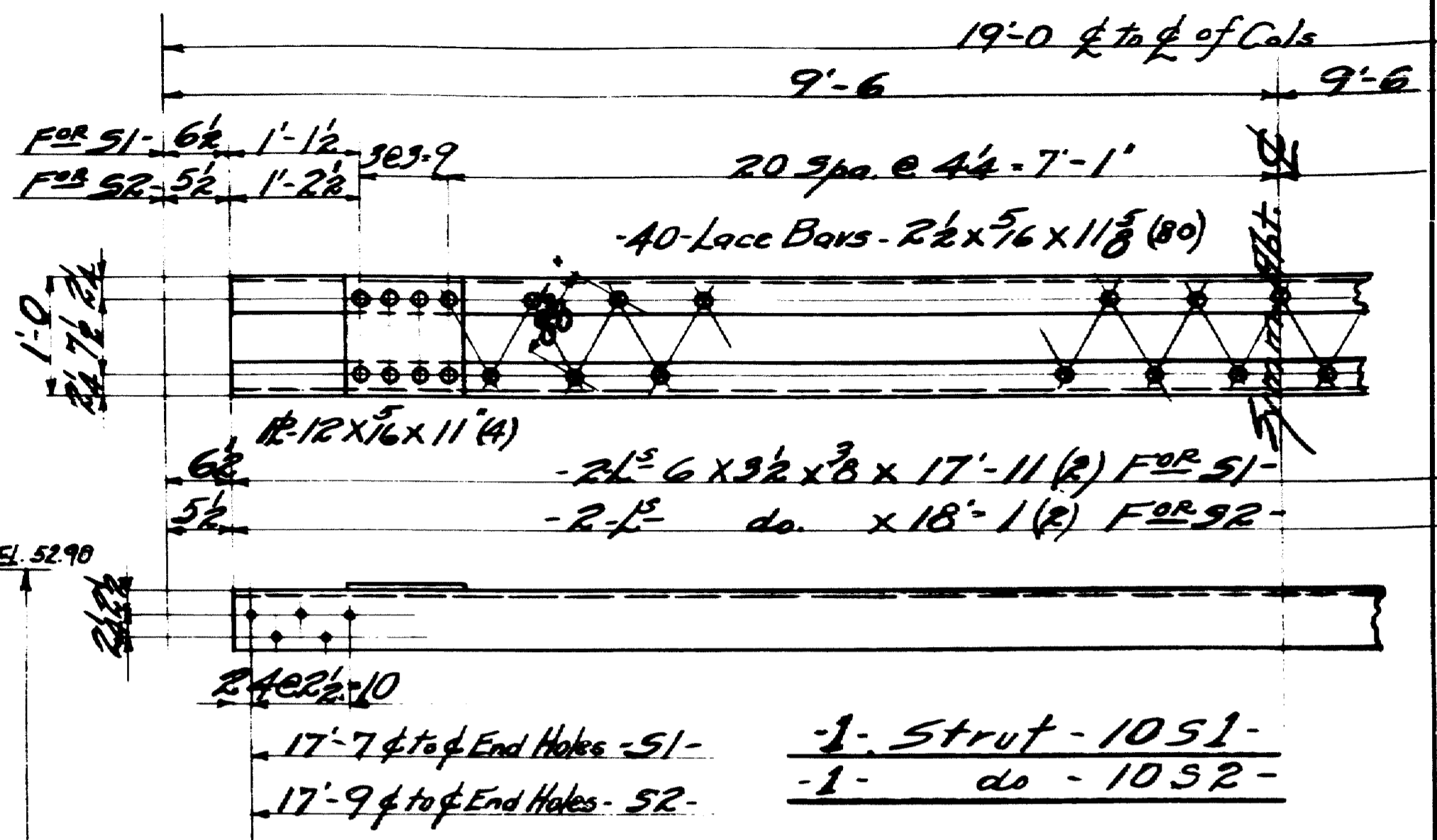
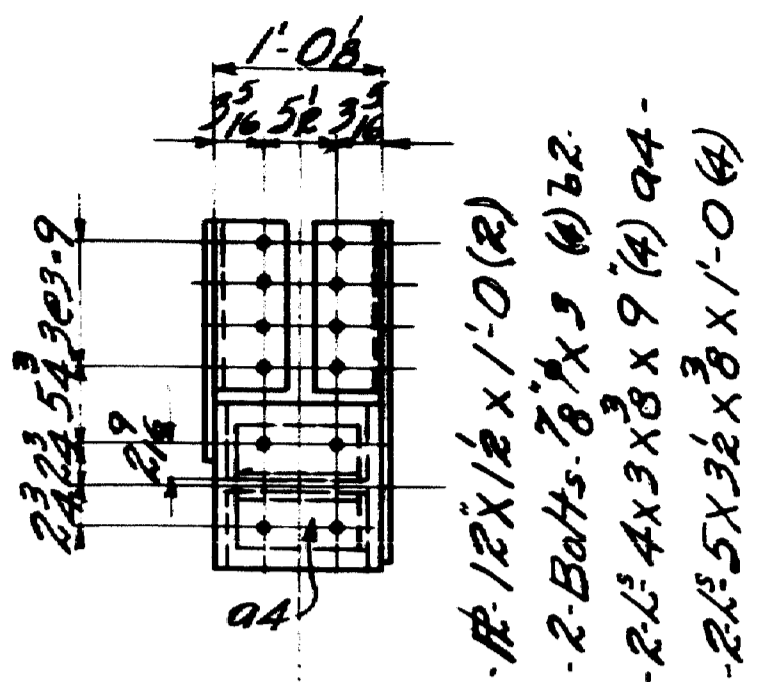
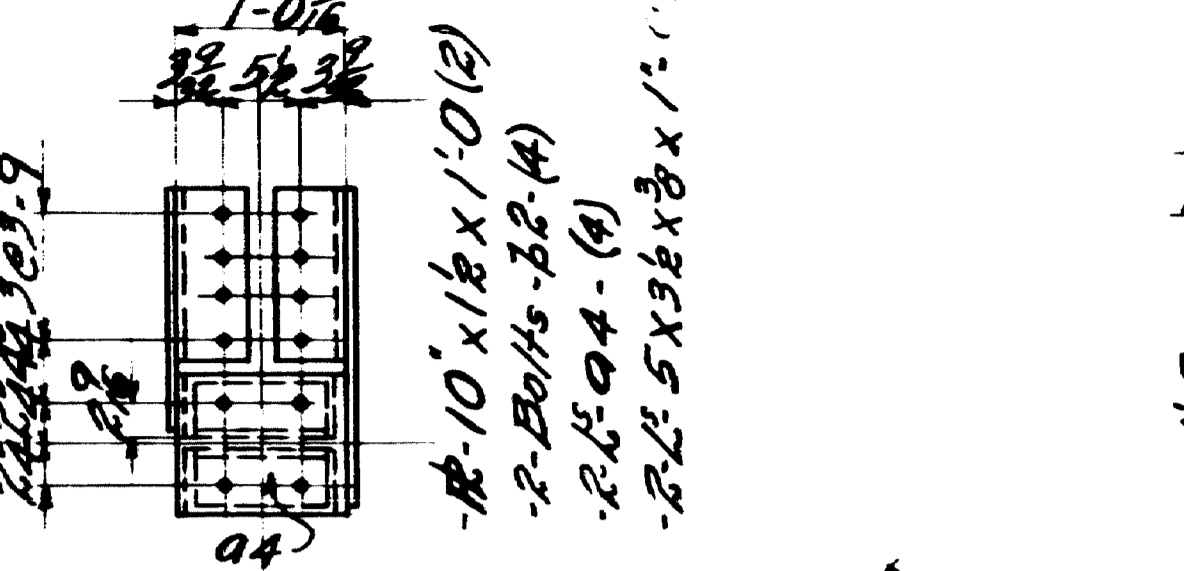
NO REAMING ON THIS SHEET

INSPECTION	SHOP RIVETS	WEIGHT
P.T.L.		
RIVETS 7/8"	OPEN HOLES 13/16"	UNLESS NOTED
LACKAWANNA STEEL CONSTRUCTION CORP BUFFALO, N. Y.		
STRUCTURE FALMOUTH RAILROAD CROSSING FOR STATE OF MAINE		
DETAILS OF BRACING - BENTS 9&10		
SPECIFICATIONS MAINE STATE HIGHWAY COMMISSION		
SHOP PAINT 1CT. RED LEAD & OIL		
FIELD PAINT		
DATE	CHECKED BY	DATE
9/11/11	A.M.	Approved Changes
1		
2		
3		
4		
CONTRACT NO. 2011 SHEET NO.		

TOWN 03-07 BRIDGE 2702
FALMOUTH RAILROAD CROSSING
OVER
MAINE CENTRAL R.R. & PRESUMPTUOT RIVER
FALMOUTH - CUMBERLAND CO.



- 1-R-p1(2)-
- 2L6x4x8x1-5(4) a3-
- 2L6 a2-(4)-
- 1- Column - 10C2^R (As Shown)
- 1- do. - 10C2^L (Opp. Hand)



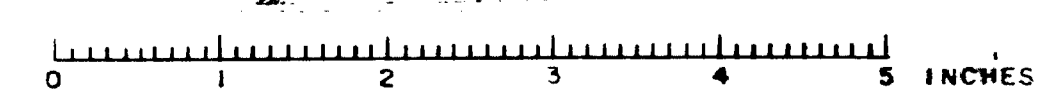
Shop Note:
 Do Not Paint Shop Or Field
 Contact Surfaces -
 Classification - Structural Steel -
 Holes In Metal More Than $\frac{3}{8}$ " Thick Shall be Drilled

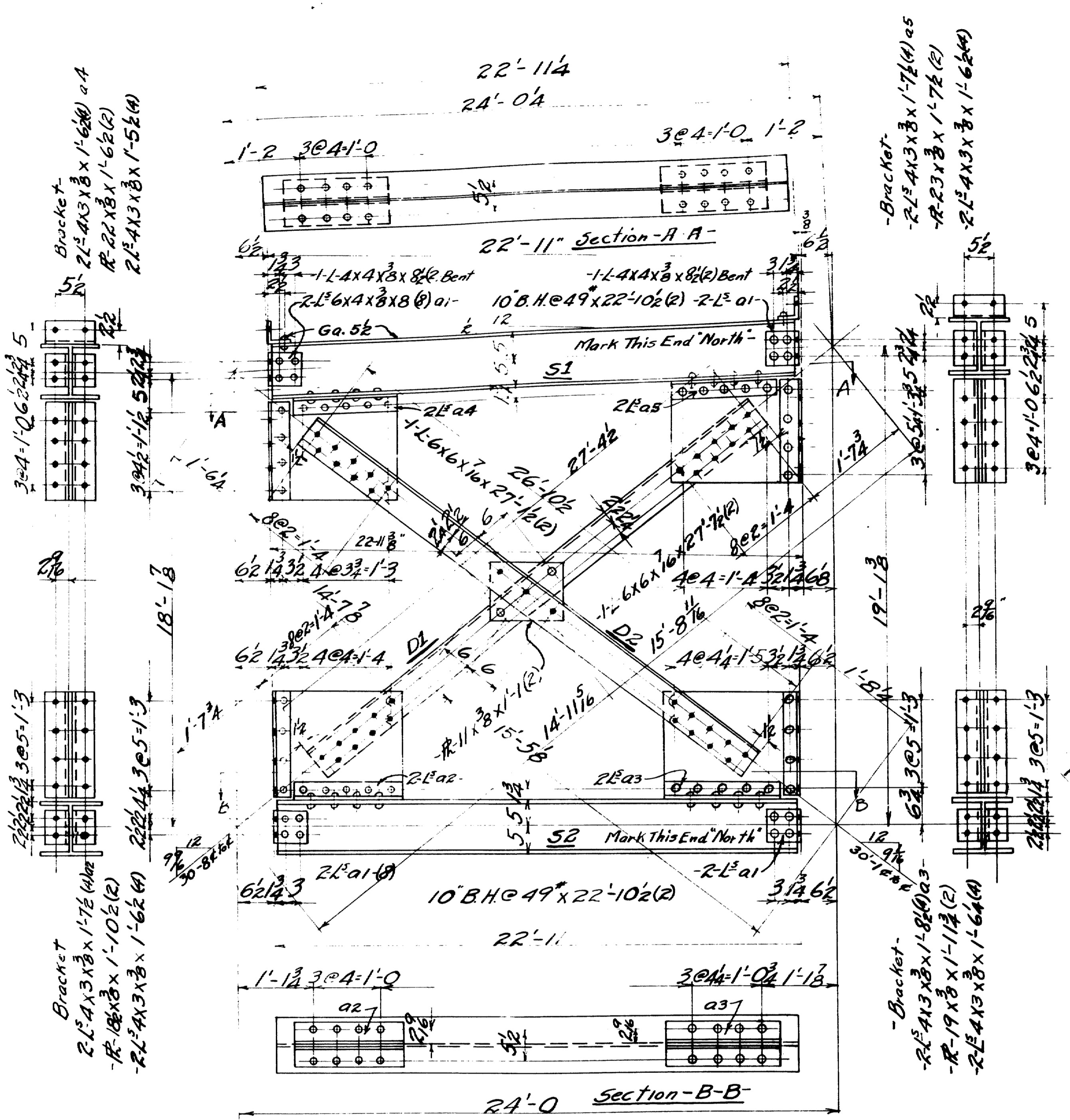
TOWN 03-07 BRIDGE 2702
 FALMOUTH RAILROAD CROSSING -
 OVER
 MAINE CENTRAL RR PRESUMPSCOT RIVER
 FALMOUTH - CUMBERLAND Co.

No REMAINING ON THIS SHEET

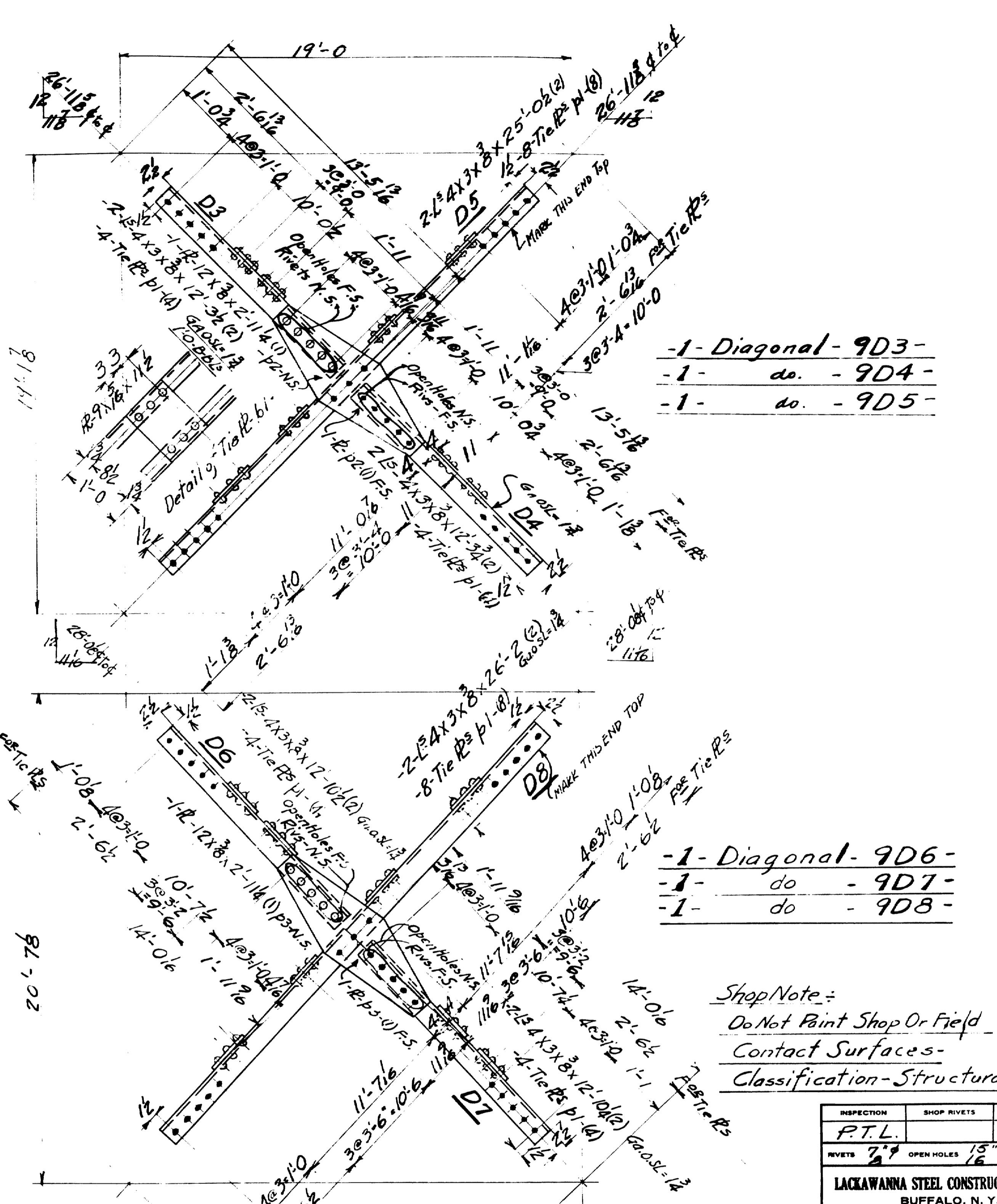
INSPECTION	SHOP RIVETS	WEIGHT
P.T.L.		
RIVETS $\frac{7}{8}$ " ϕ	OPEN HOLES $\frac{15}{16}$ " ϕ	UNLESS NOTED
LACKAWANNA STEEL CONSTRUCTION CORP BUFFALO, N. Y.		
STRUCTURAL Falmouth P.R. Crossing FOR State of Maine - DETAILS OF Columns - Beams - SPECIFICATIONS Maine State Highway Comm SHOP PAINT 1-Ct. Red Lead & Oil.		
FIELD PART	DATE	CHECKED BY DATE
NO. 1	10/10/10	M.W.B. 1-23 A.M.
NO. 2		
NO. 3		
NO. 4		
NO. 5		

CONTRACT No. 2472 SHEET No. 10





- 2- Struts - 951
- 2- Struts - 952-
- 2- Diagonals - 9D1-
- 2- Diagonals - 9D2-



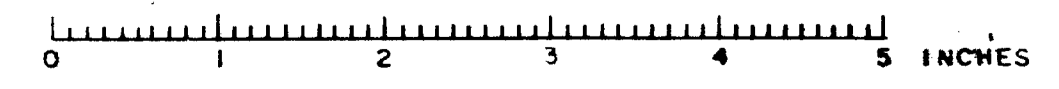
- 1- Diagonal - 9D3-
- 1- do - 9D4-
- 1- do - 9D5-

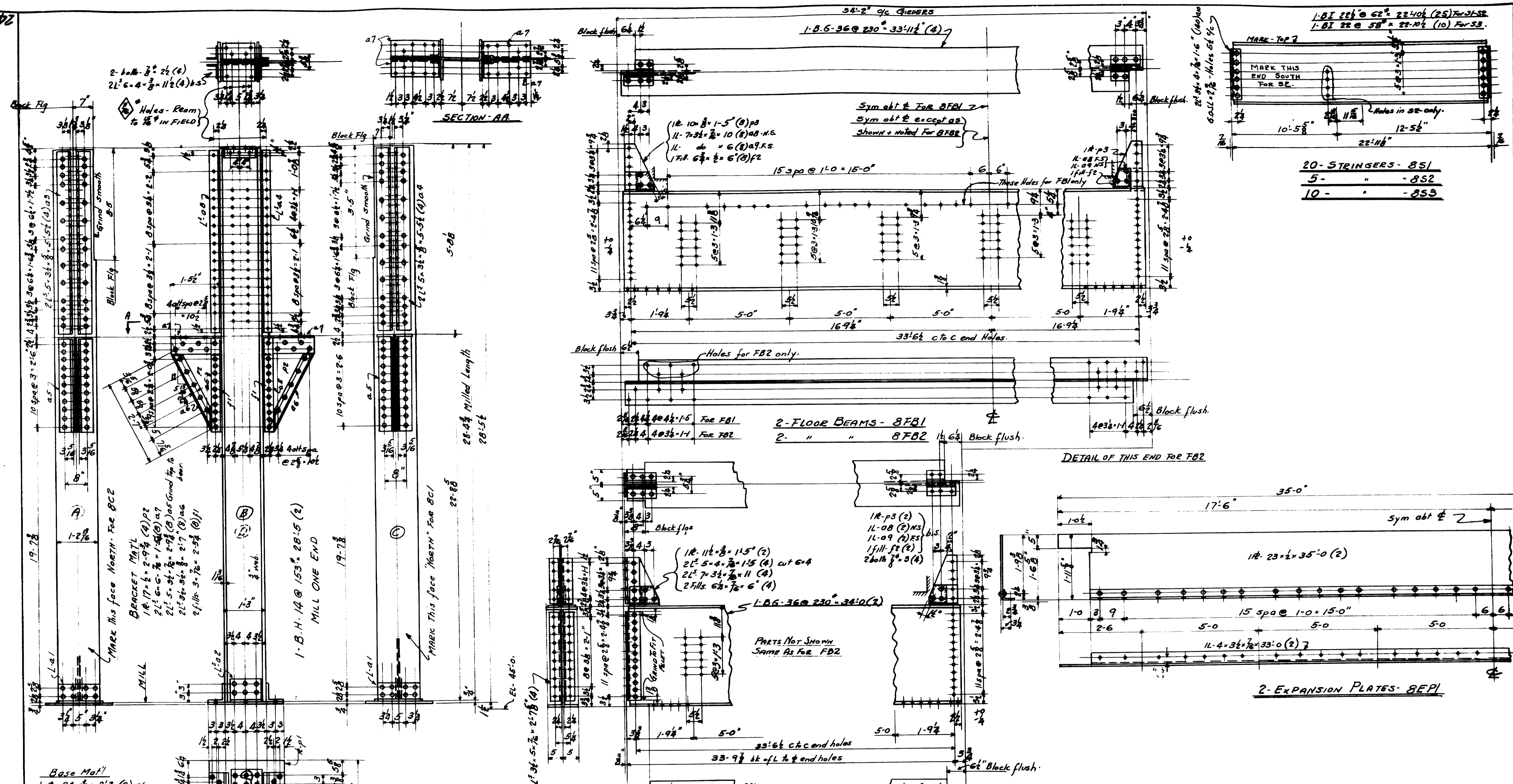
- 1- Diagonal - 9D6-
- 1- do - 9D7-
- 1- do - 9D8-

Shop Note:
 Do Not Paint Shop Or Field
 Contact Surfaces
 Classification - Structural Steel

NO REAMING ON THIS SHEET.
 TOWN 03-07 BRIDGE 102
 FALMOUTH RAILROAD CROSSING
 OVER
 MAINE CENTRAL RR & PRESUMPSCOT RIVER
 FALMOUTH - CUMBERLAND CO.

INSPECTION	SHOP RIVETS	WEIGHT
P.T.L.		
RIVETS 79	OPEN HOLES 15"	UNLESS NOTED
LACKAWANNA STEEL CONSTRUCTION CORP BUFFALO, N. Y.		
STRUCTURE Falmouth R.R. Crossing for State of Maine		
DETAILS OF Bracing - Etc. Bents 1-2		
SPECIFICATIONS Maine State Highway Comm.		
SHOP PAINT - 1/2 Ct. Red Lead & Oil		
FIELD PAINT		
DRAWN BY	DATE	CHECKED BY
W.J.B.	1-10-38	A.M.
NO.	DATE	BY
1		
2		
3		
4		
5		
CONTRACT No. 2472 SHEET No. 9		





Base Mat'l
 1-B. 24x3/4 x 2'3 (2) pl
 2-L. 6x6 x 3/4 x 1-2 1/2 (A) a1
 2-L. 8x8 x 3/4 x 11 (A) a2

ONE COLUMN - 8C1 } alike except
 ONE do - 8C2 } direction mark.

SHOP NOTE
 DO NOT PAINT SHOP
 OR FIELD CONTACT SURFACES

CLASSIFICATION: STRUCTURAL STEEL
 NO REAMING ON THIS SHEET.

TOWN 03-07 BRIDGE 2702

FALMOUTH RAILROAD CROSSING
 OVER
 MAINE CENTRAL RR & PRESUMPCOT RIVER
 FALMOUTH - CUMBERLAND CO.

INSPECTION	SHOP RIVETS	WEIGHT
P.T.L.		
RIVETS 7/8"	OPEN HOLES 15/16"	UNLESS NOTED

LACKAWANNA STEEL CONSTRUCTION CORP
 BUFFALO, N. Y.

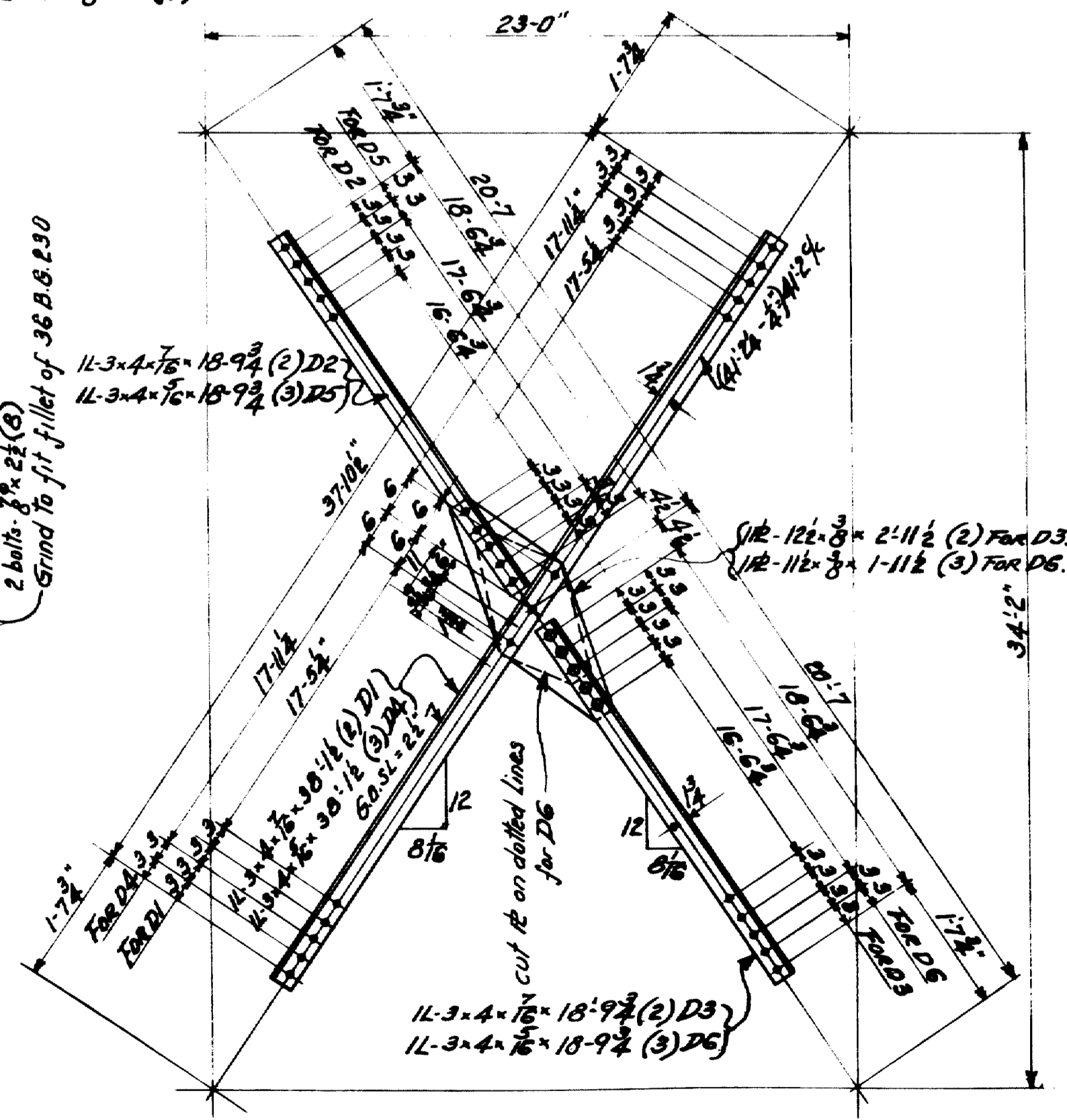
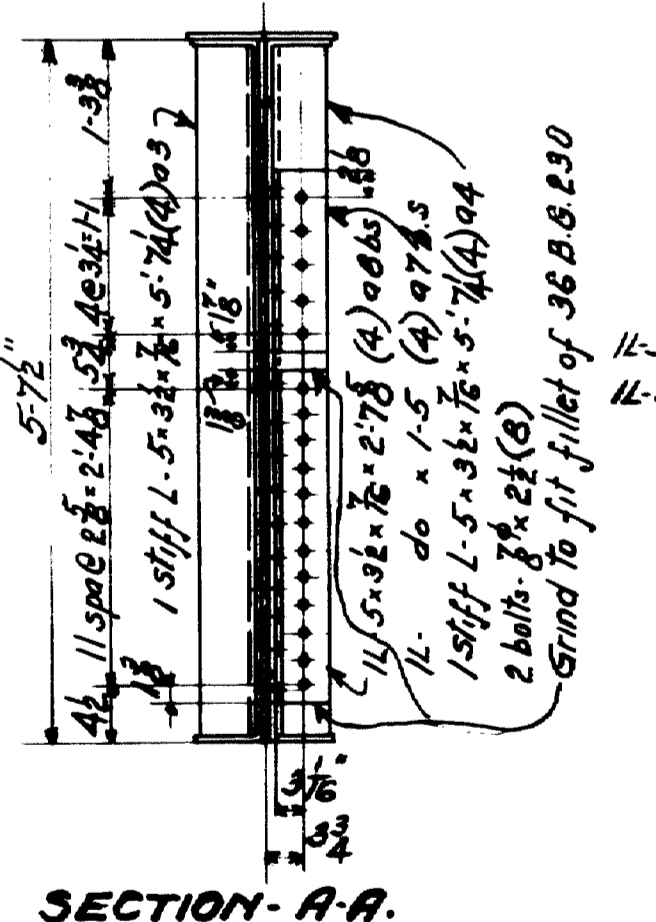
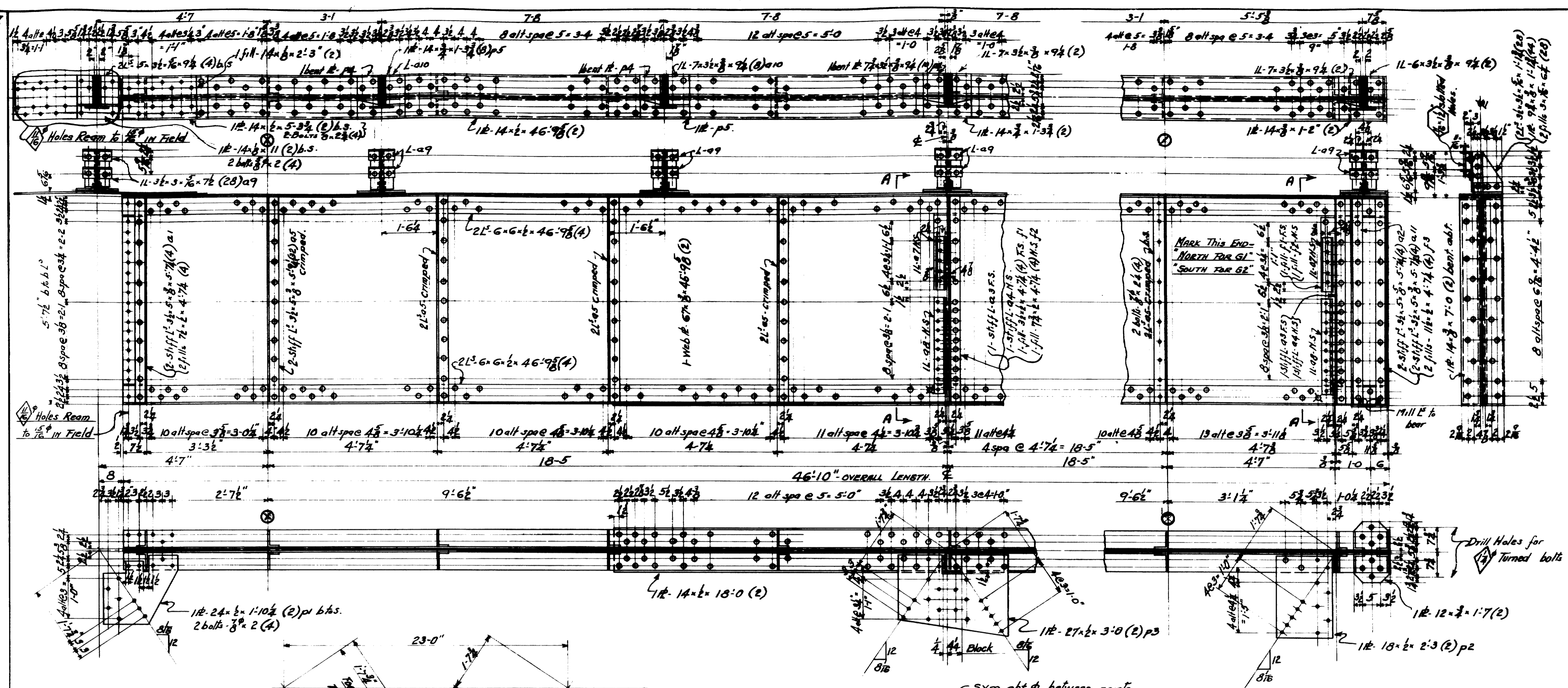
STRUCTURE: FALMOUTH RAILROAD CROSSING
 FOR: STATE OF MAINE
 DETAILS OF: Girders, Floor Beams, Stringers etc.
 SPECIFICATIONS: MAINE STATE HIGHWAY COMMISSION
 SHOP PAINT: 1-COAT RED LEAD + OIL

FIELD PAINT: ✓

DATE	CHECKED BY	DATE	SQUAD FOREMAN
1/15/32	W.M.B.	1/15/32	W.M.B.

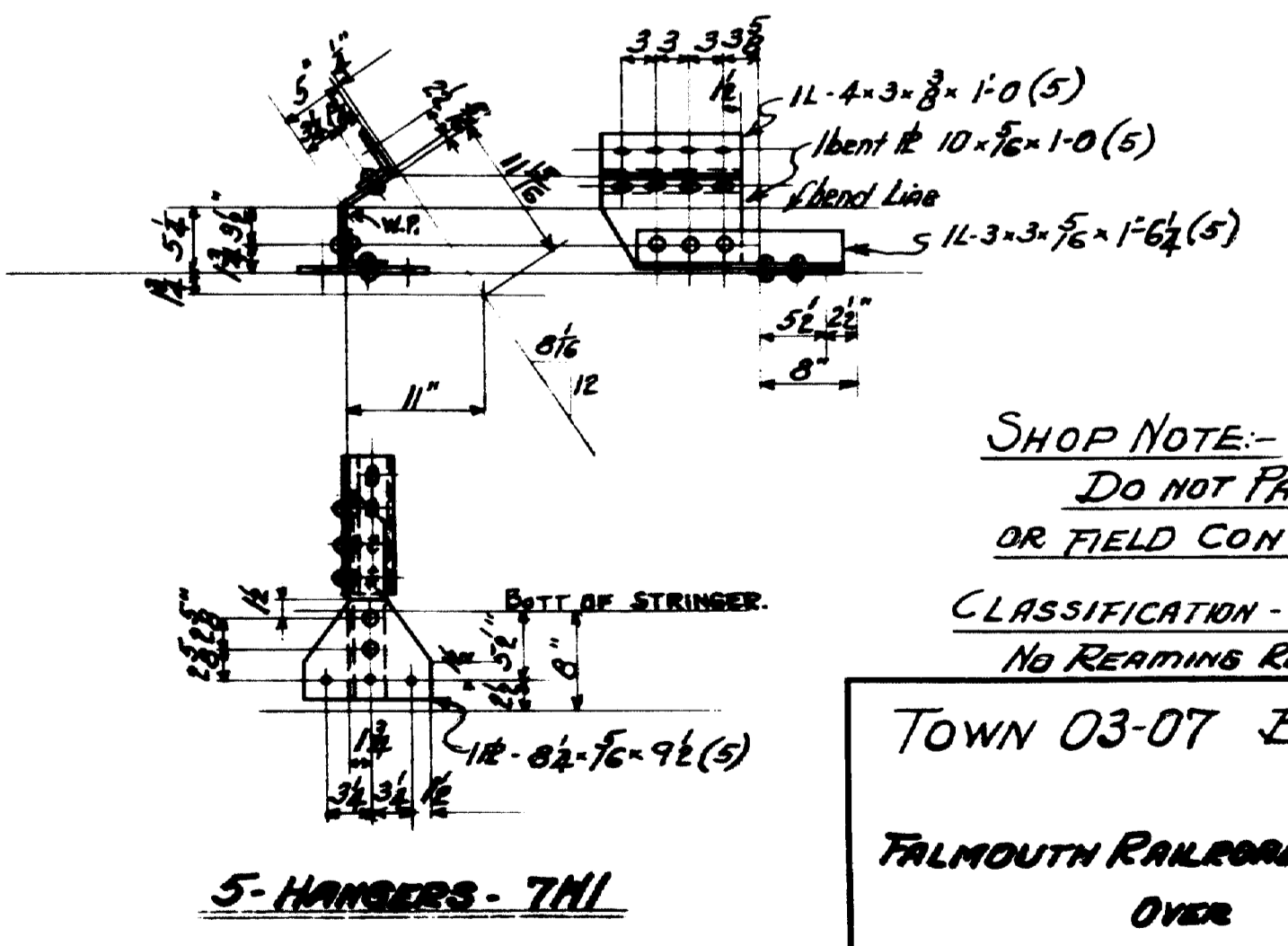
CONTRACT No. 2472 SHEET No. 8

2472-7



- 2- DIAGONALS-701-
- 2- " 702-
- 2- " 703-
- 3- " 704-
- 3- " 705-
- 3- " 706-

ONE GIRDER-761
ONE " 762 } ALIKE EXCEPT FOR DIRECTION MARKS.

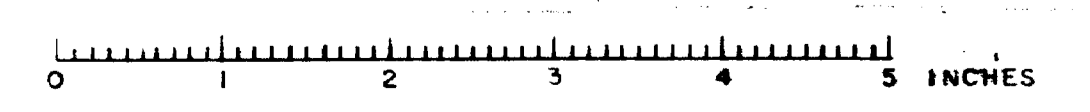


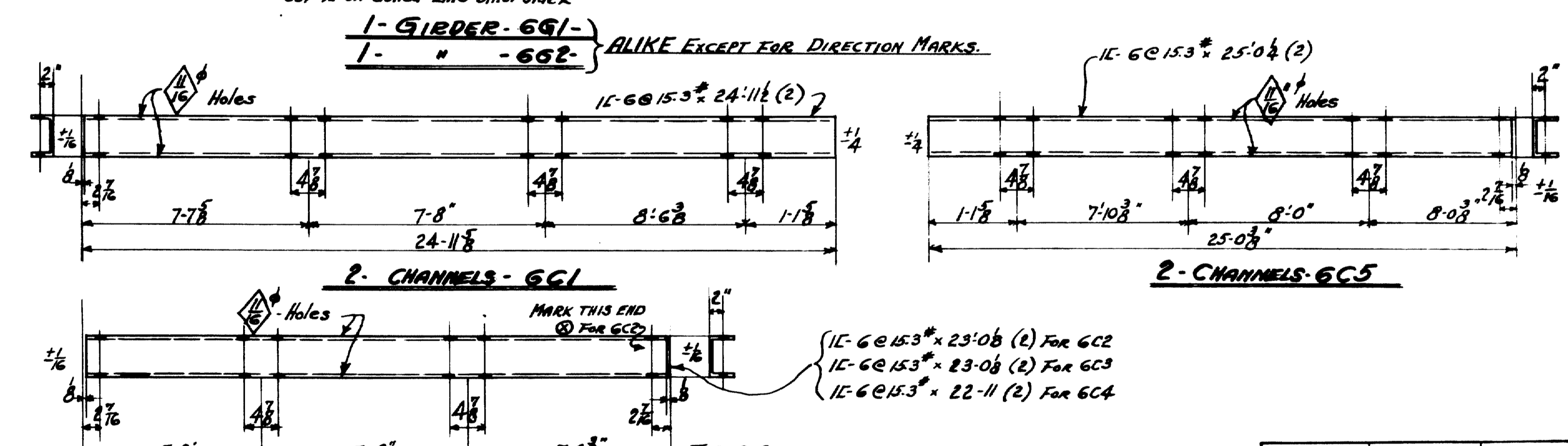
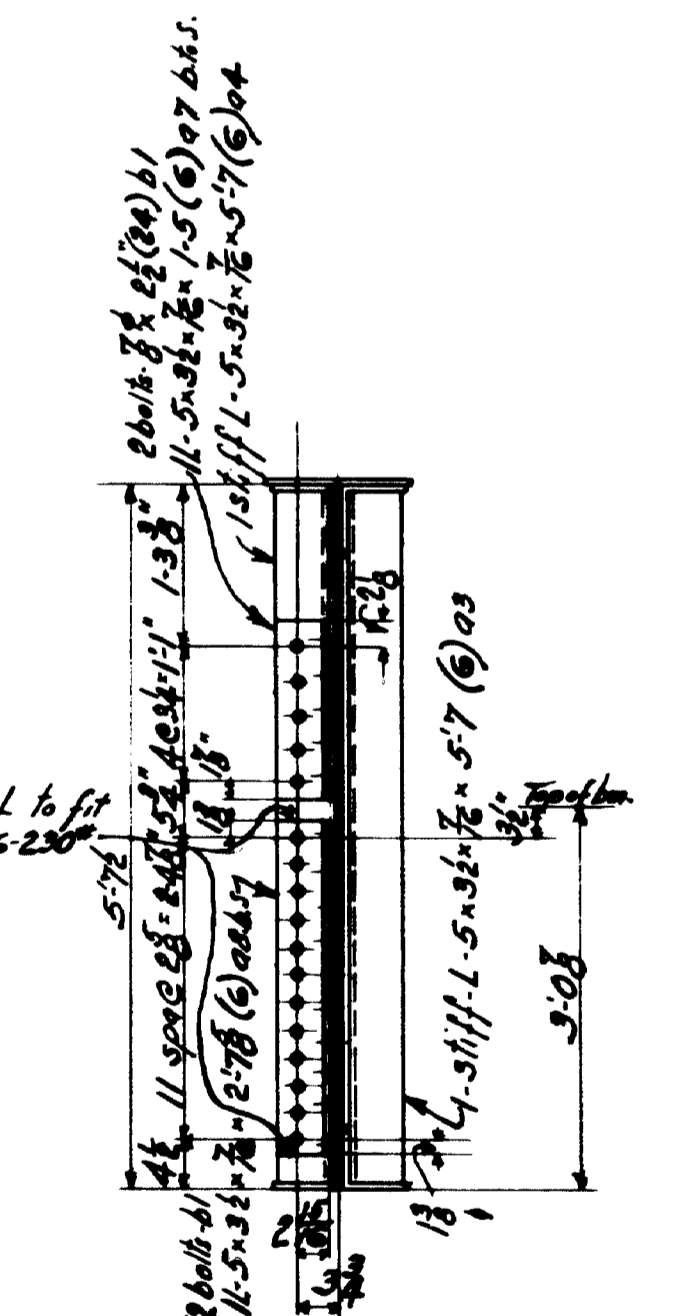
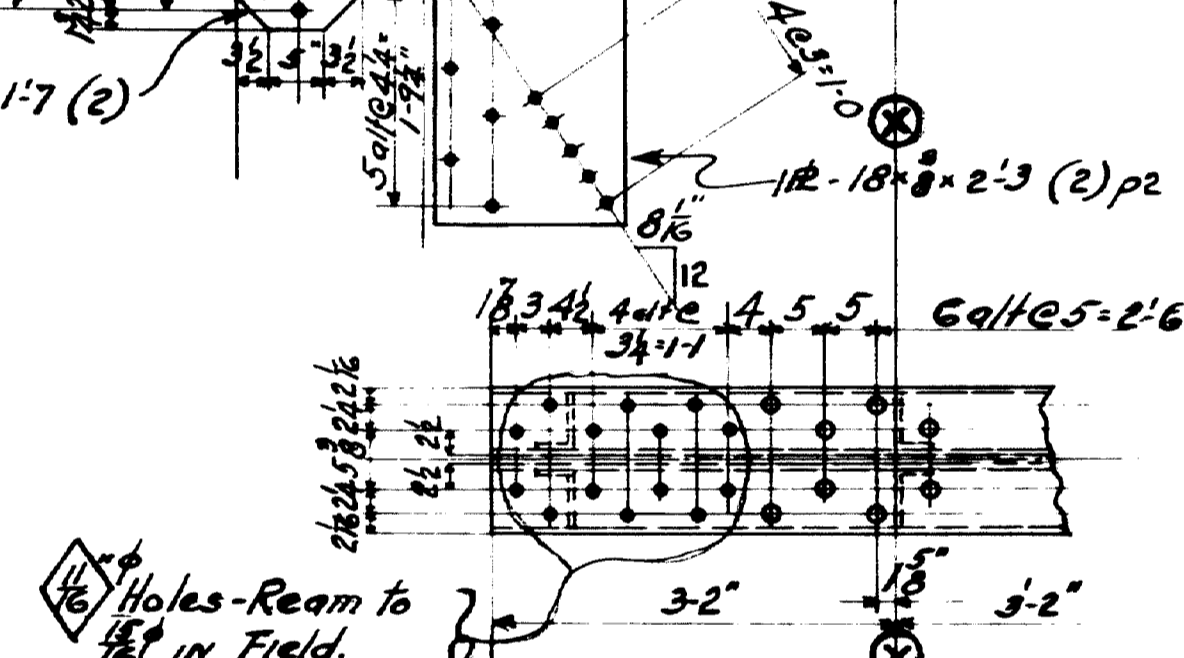
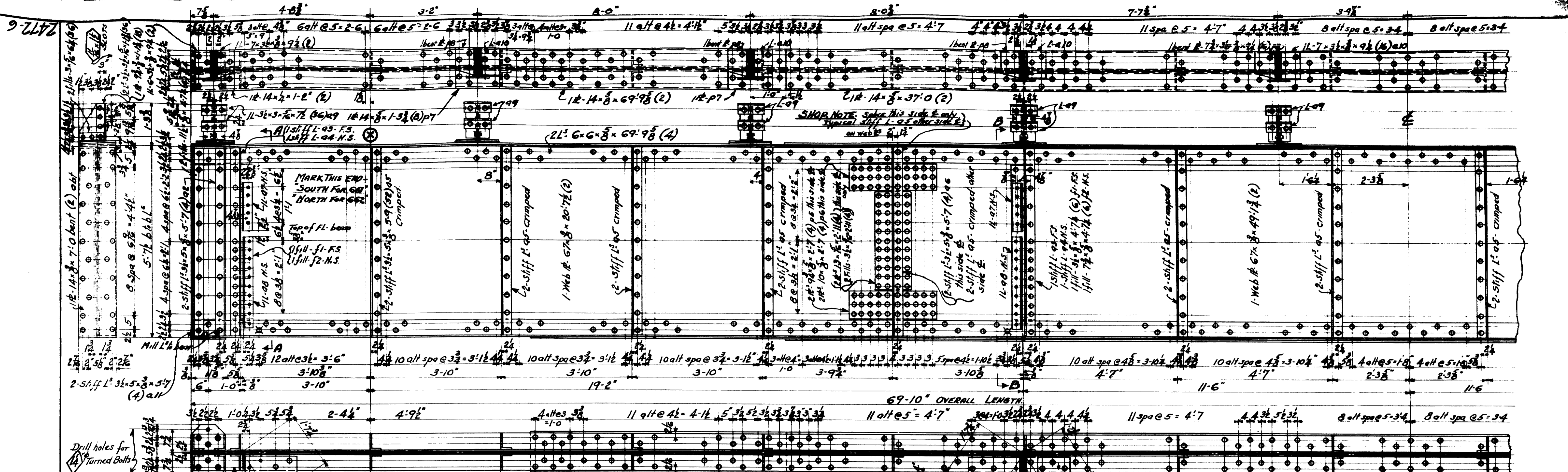
SHOP NOTE:-
DO NOT PAINT SHOP
OR FIELD CONTACT SURFACES
CLASSIFICATION - STRUCTURAL STEEL
NO REAMING REQUIRED

TOWN 03-07 BRIDGE 2702
FALMOUTH RAILROAD CROSSING
OVER
MAINE CENTRAL RR & PRESUMPSCOOT RIVER
FALMOUTH - CUMBERLAND CO.

INSPECTION	SHOP RIVETS	WEIGHT
P.T.L.	3/8"	15'-8" UNLESS NOTED
RIVETS	OPEN HOLES	
LACKAWANNA STEEL CONSTRUCTION CORPN BUFFALO, N. Y.		
STRUCTURE	FALMOUTH RAILROAD CROSSING	
FOR	STATE OF MAINE	
DETAILS OF	47'-0" GIRDER & BRACING	
SPECIFICATIONS	MAINE STATE HIGHWAY COMMISSION	
SHOP PAINT	1-COAT RED LEAD + OIL	
FIELD PAINT		
DRAWN BY	DATE	CHECKED BY
W.H.D.	2-27-38	W.H.D.
NO.	DATE	BY
1		
2		
3		
4		
5		

CONTRACT NO. 2472 SHEET NO. 7





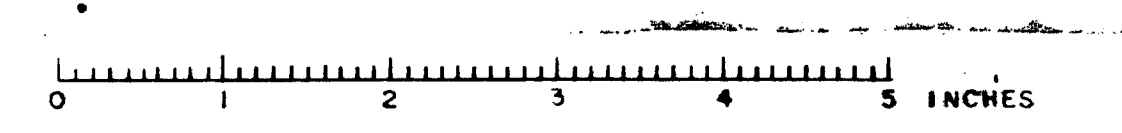
SHOP NOTE
 DO NOT PRINT SHOP OR FIELD CONTACT SURFACES

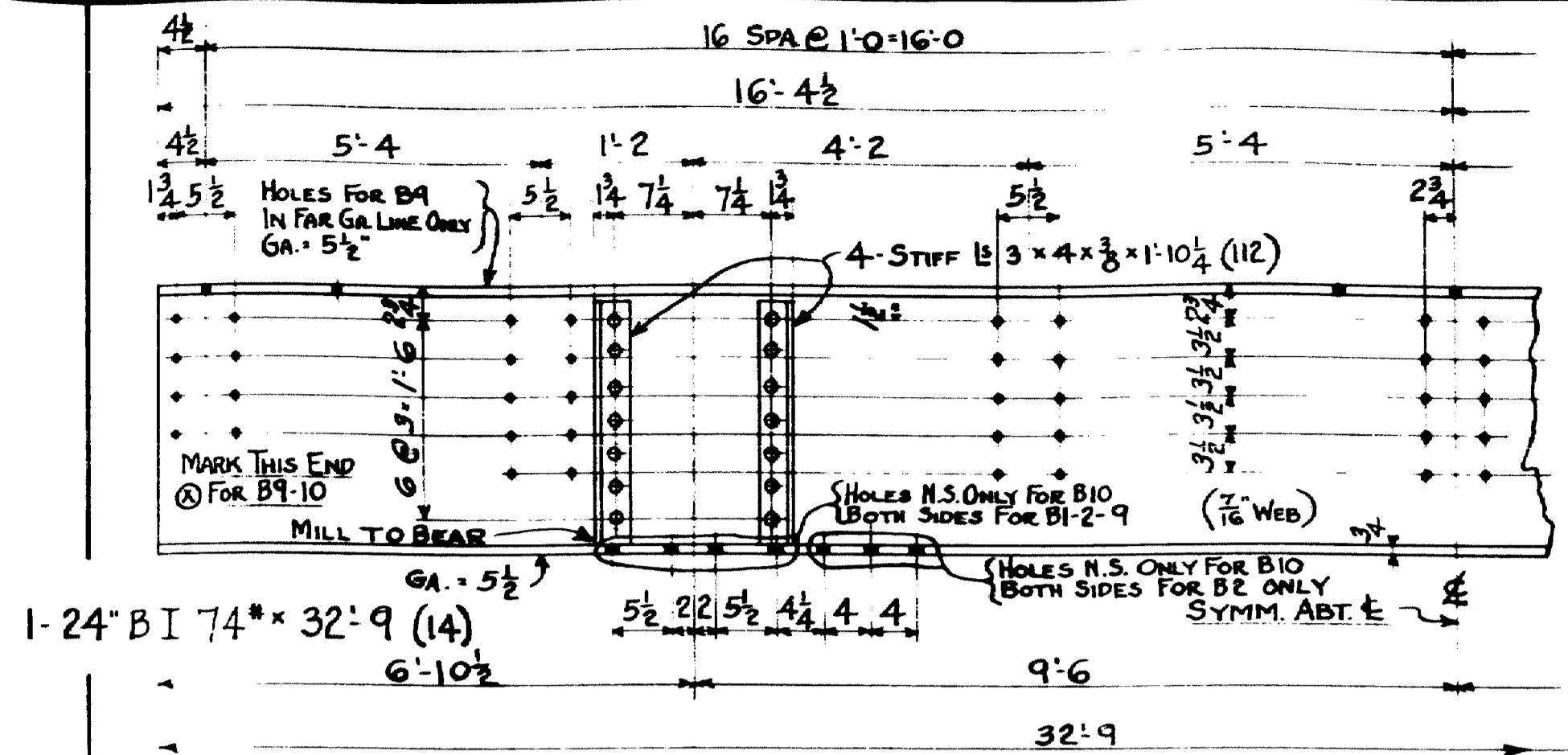
CLASSIFICATION - STRUCTURAL STEEL
 NO REAMING ON THIS SHEET

TOWN 03-07 BRIDGE 2702

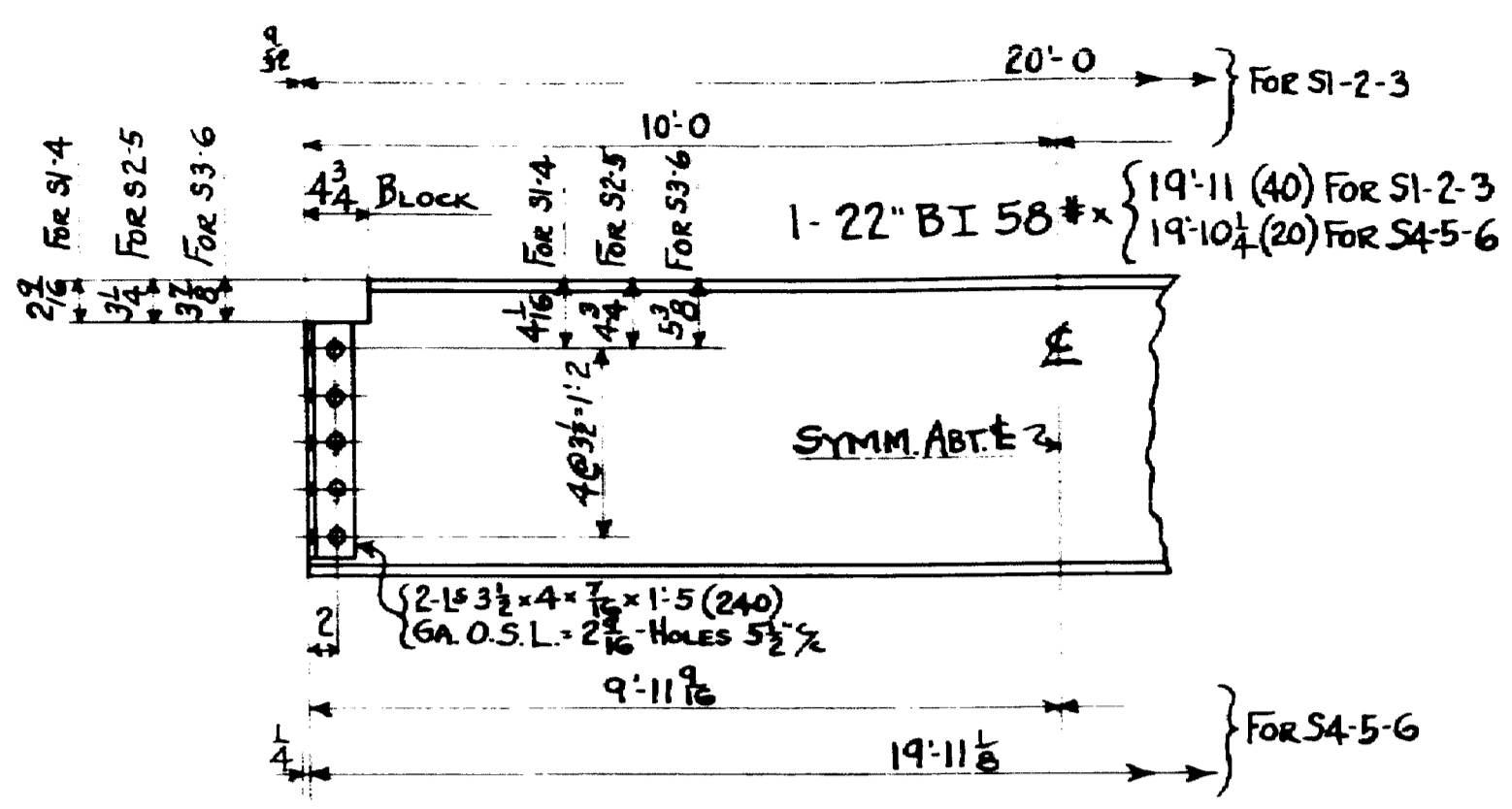
FALMOUTH RAILROAD CROSSING
 OVER
 MAINE CENTRAL R.R. & PRESUMSCOT RIVER
 FALMOUTH - CUMBERLAND CO.

INSPECTION	SHOP RIVETS	WEIGHT
P.T.L	8"	15-0" UNLESS NOTED
LACKAWANNA STEEL CONSTRUCTION CORPN BUFFALO, N. Y.		
STRUCTURE - FALMOUTH RAILROAD CROSSING FOR STATE OF MAINE DETAILS OF 70'-0 Girders SPECIFICATIONS MAINE STATE HIGHWAY DEPT. SHOP PAINT: 1. COAT RED LEAD + OIL		
DATE	CHECKED BY	SQUAD FOREMAN
12-15-22	W.L.B. [initials]	W.L.B. [initials]
DATE	BY	DESCRIPTION
12-15-22	W.L.B. [initials]	PREPARED
12-15-22	W.L.B. [initials]	CHECKED
12-15-22	W.L.B. [initials]	APPROVED
CONTRACT NO. 2472 SHEET NO. 6		

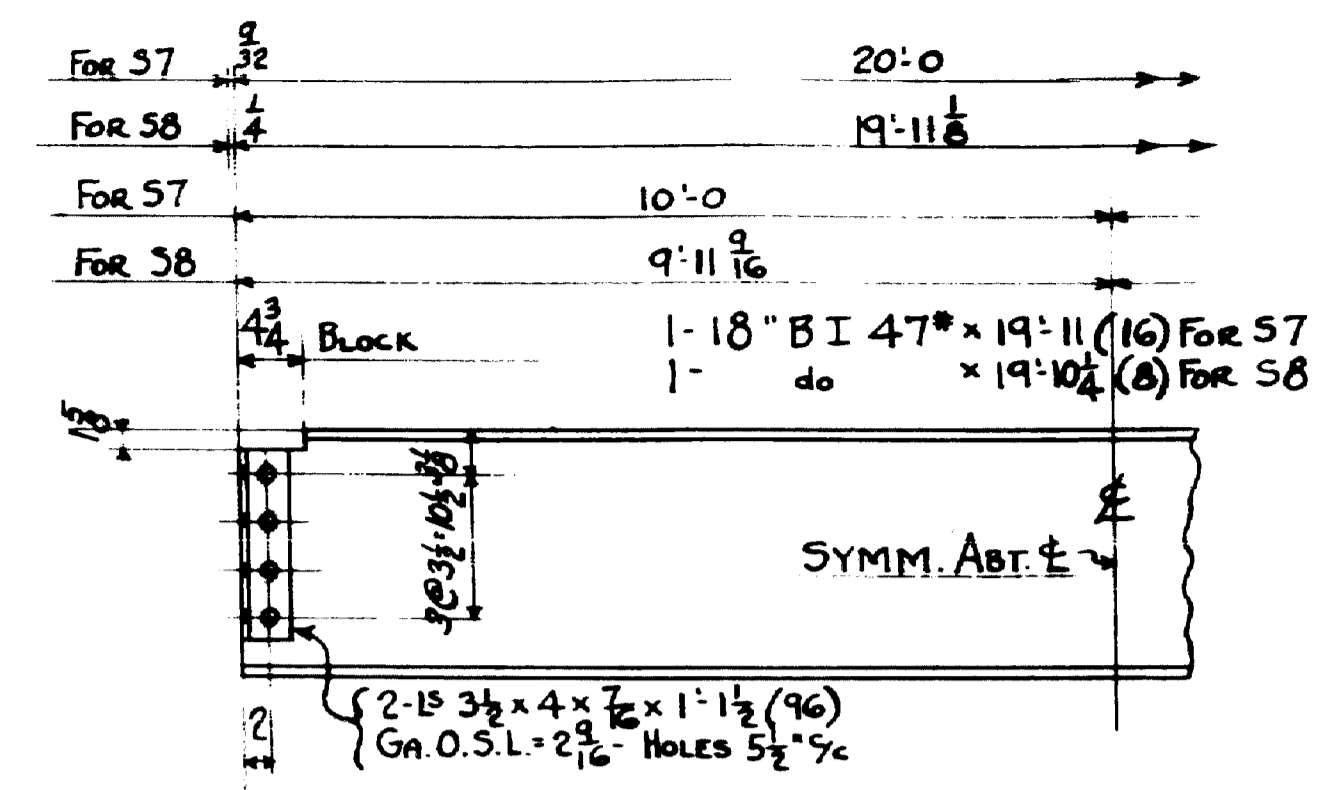




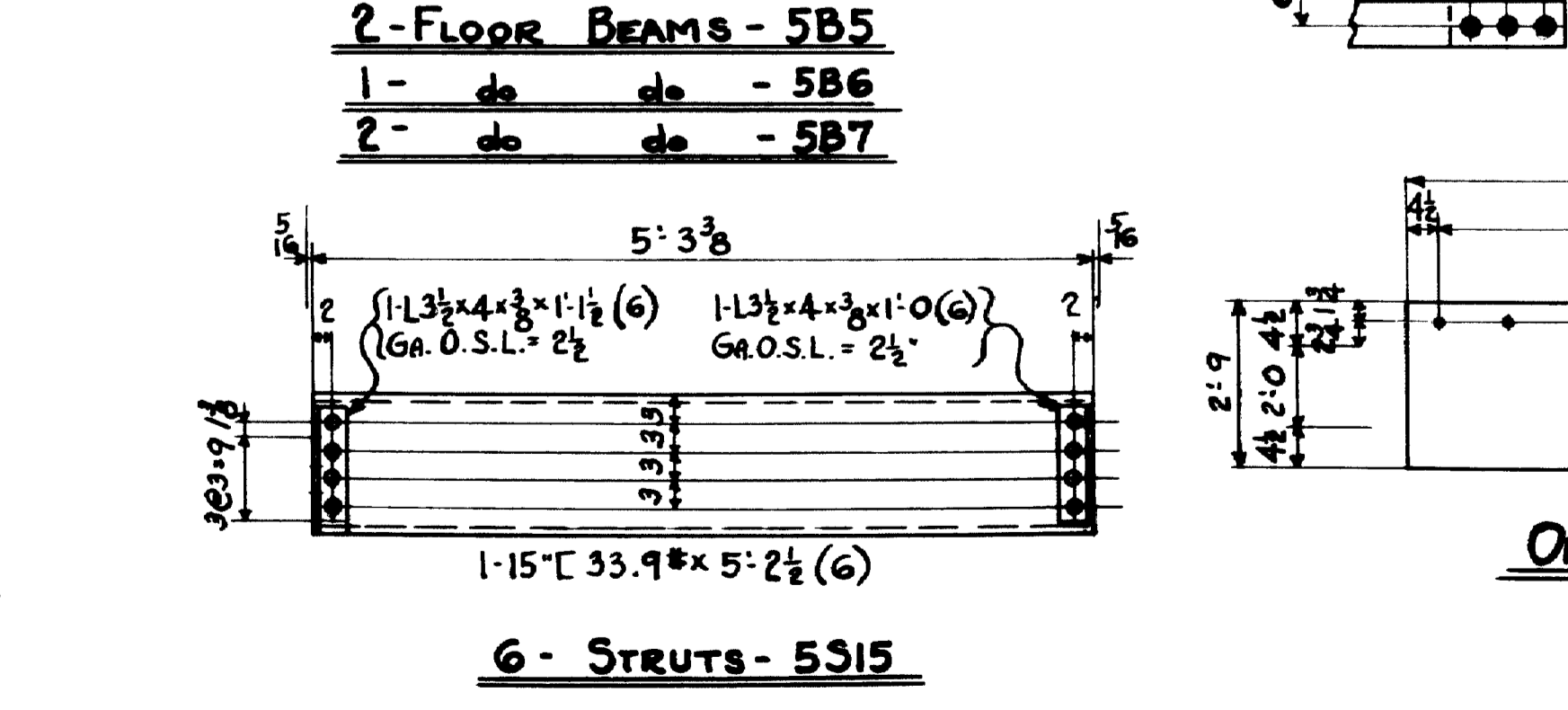
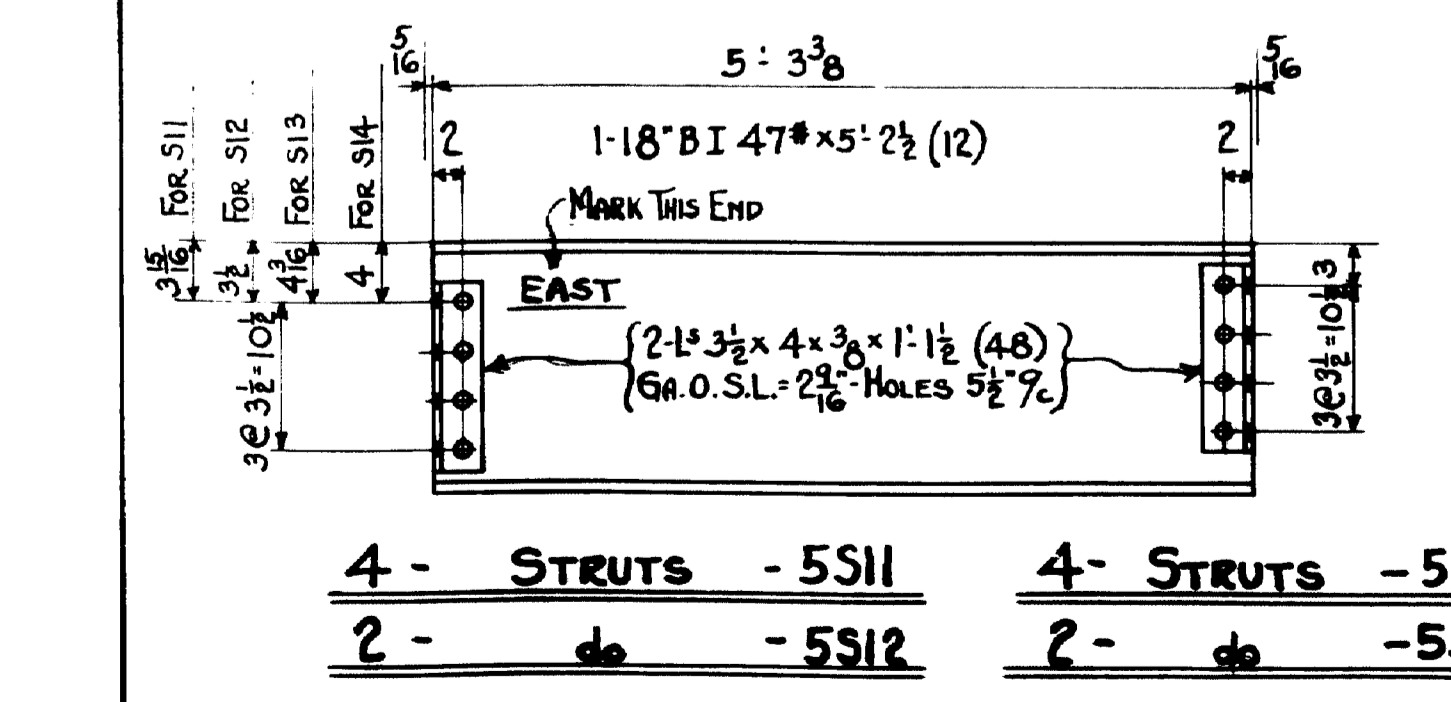
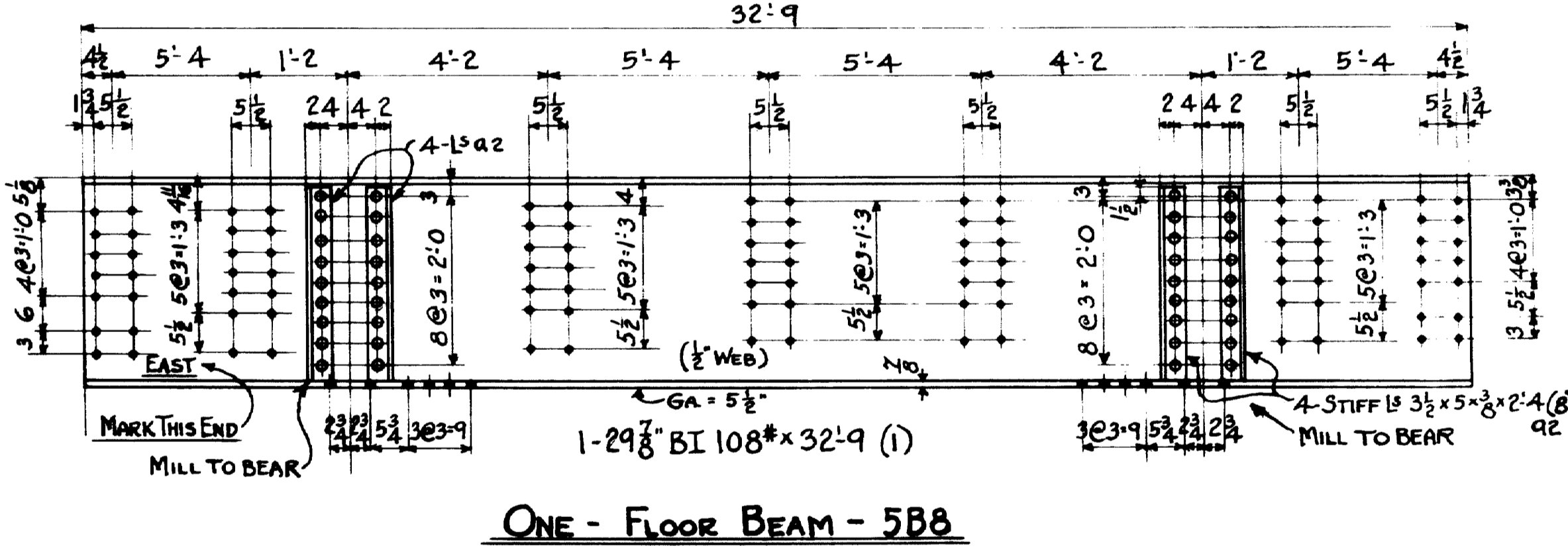
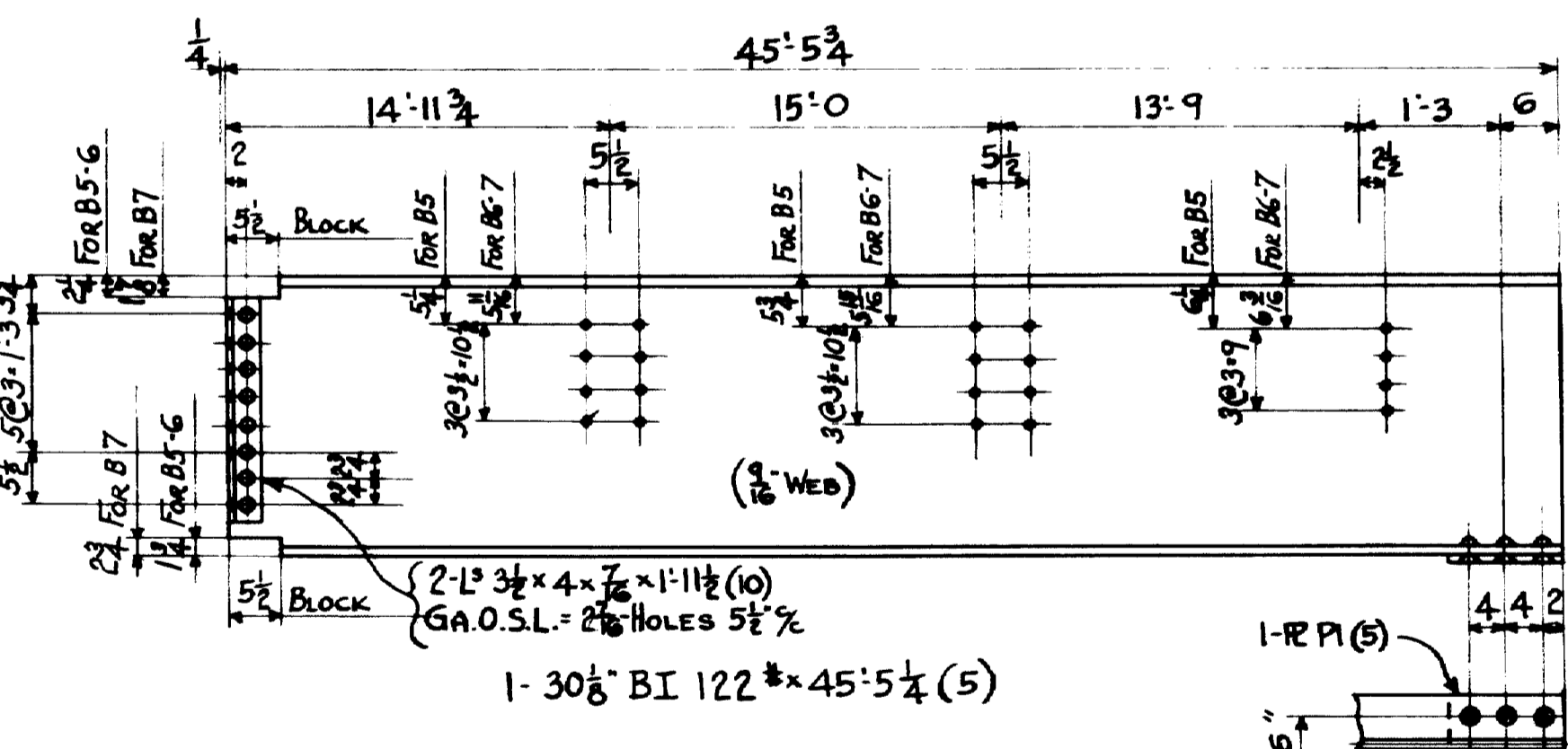
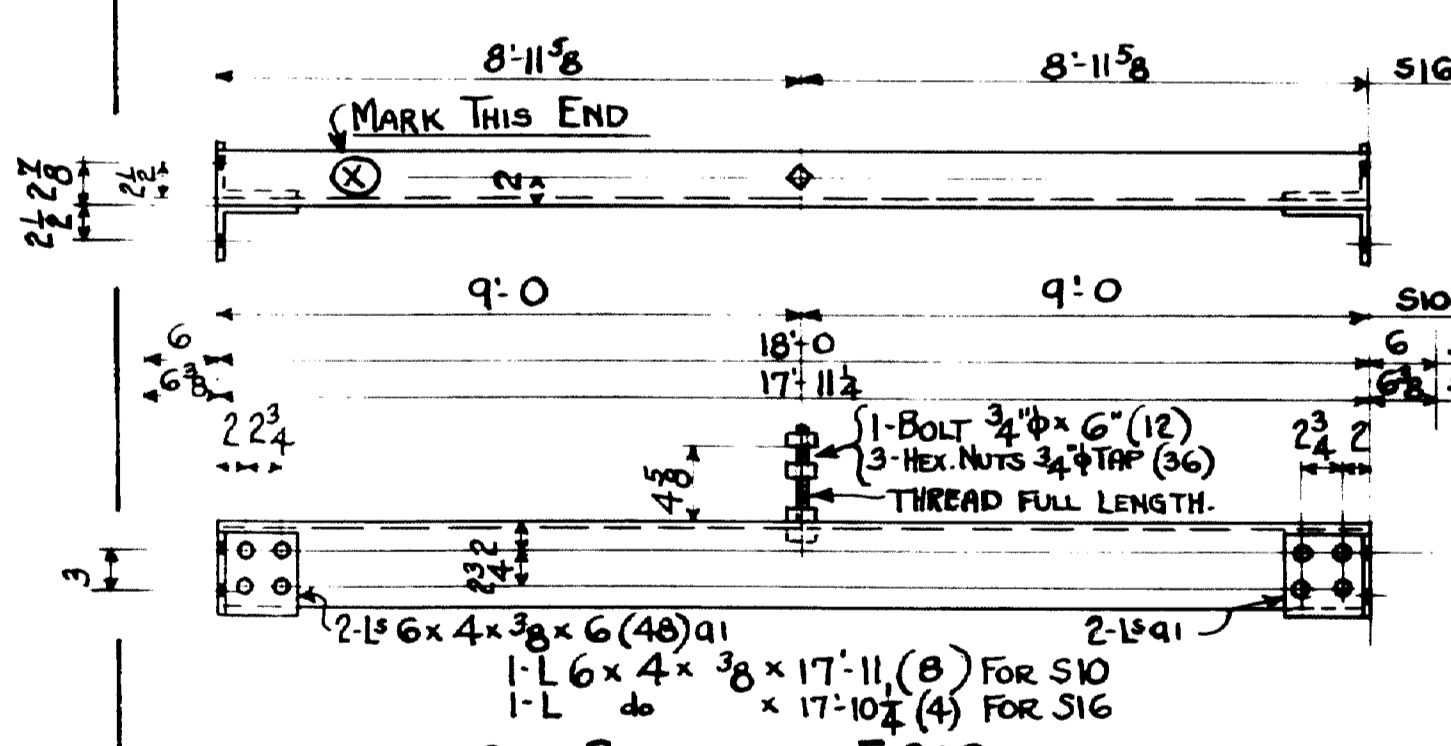
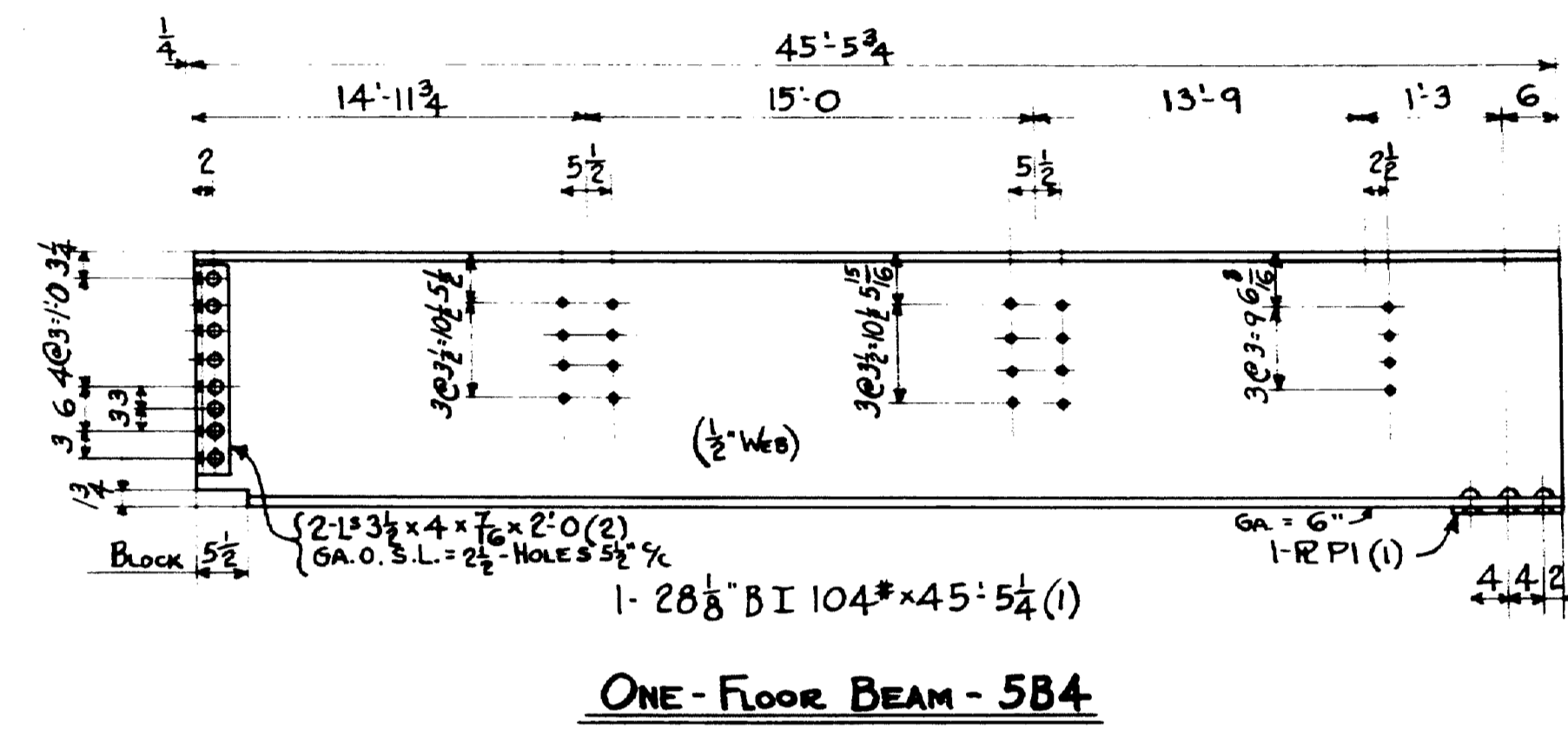
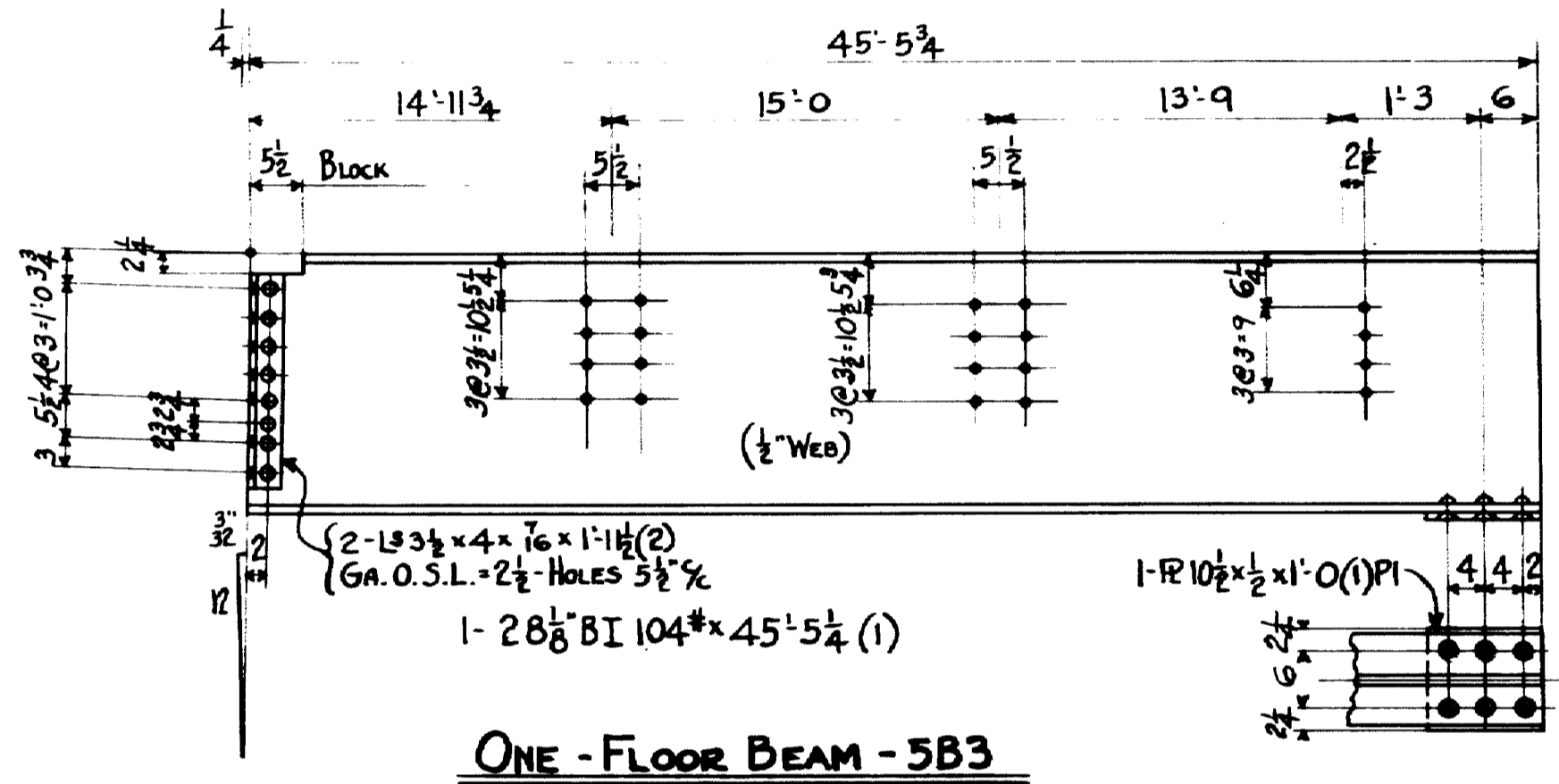
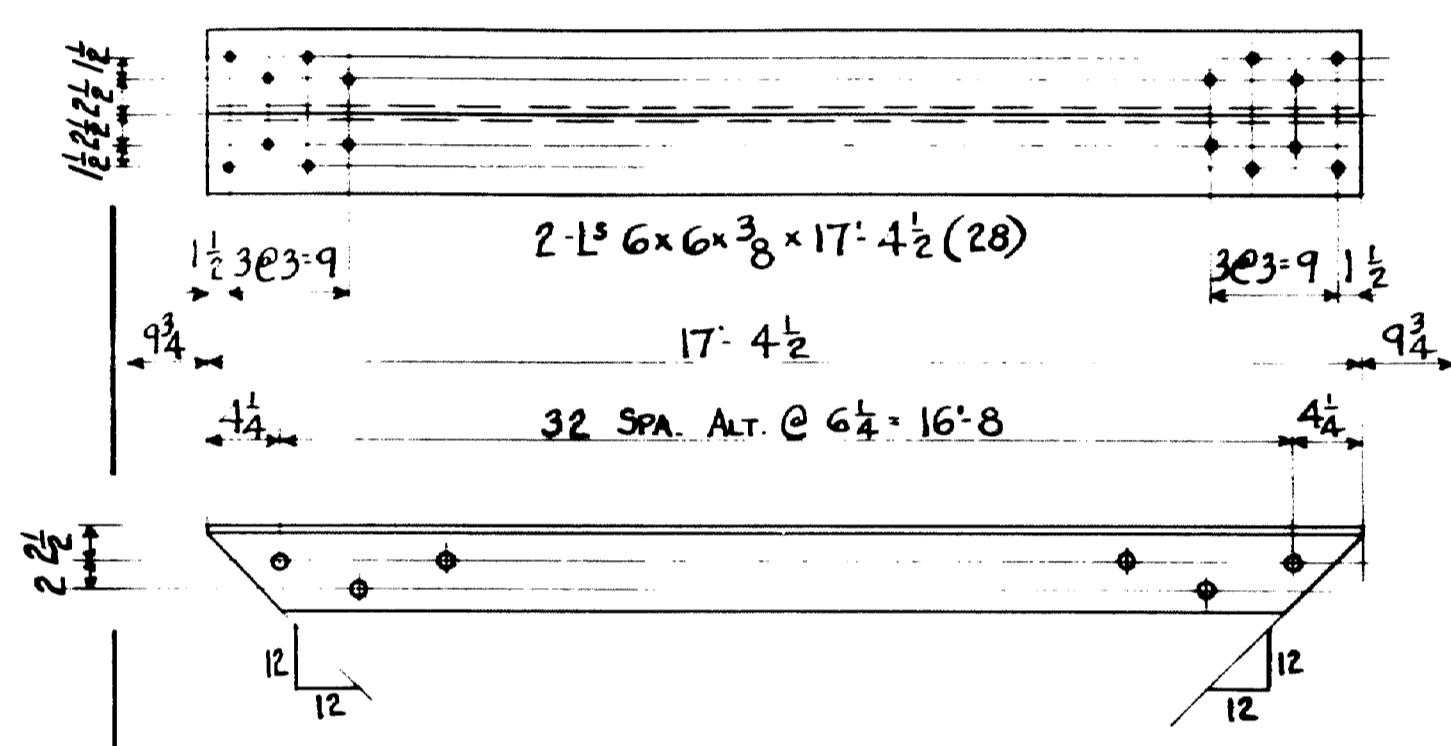
- 3 - FLOOR BEAMS - 5B1
- 6 - do do - 5B2
- 1 - do do - 5B9
- 4 - do do - 5B10



- 16 - STRINGERS - 5S1
- 16 - do - 5S2
- 8 - do - 5S3
- 8 - STRINGERS - 5S4
- 8 - do - 5S5
- 4 - do - 5S6



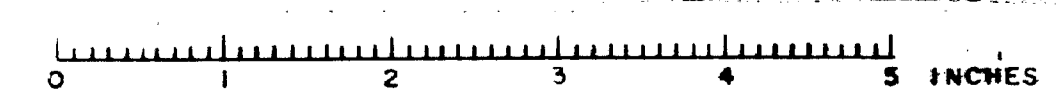
- 16 - STRINGERS - 5S7
- 8 - do - 5S8

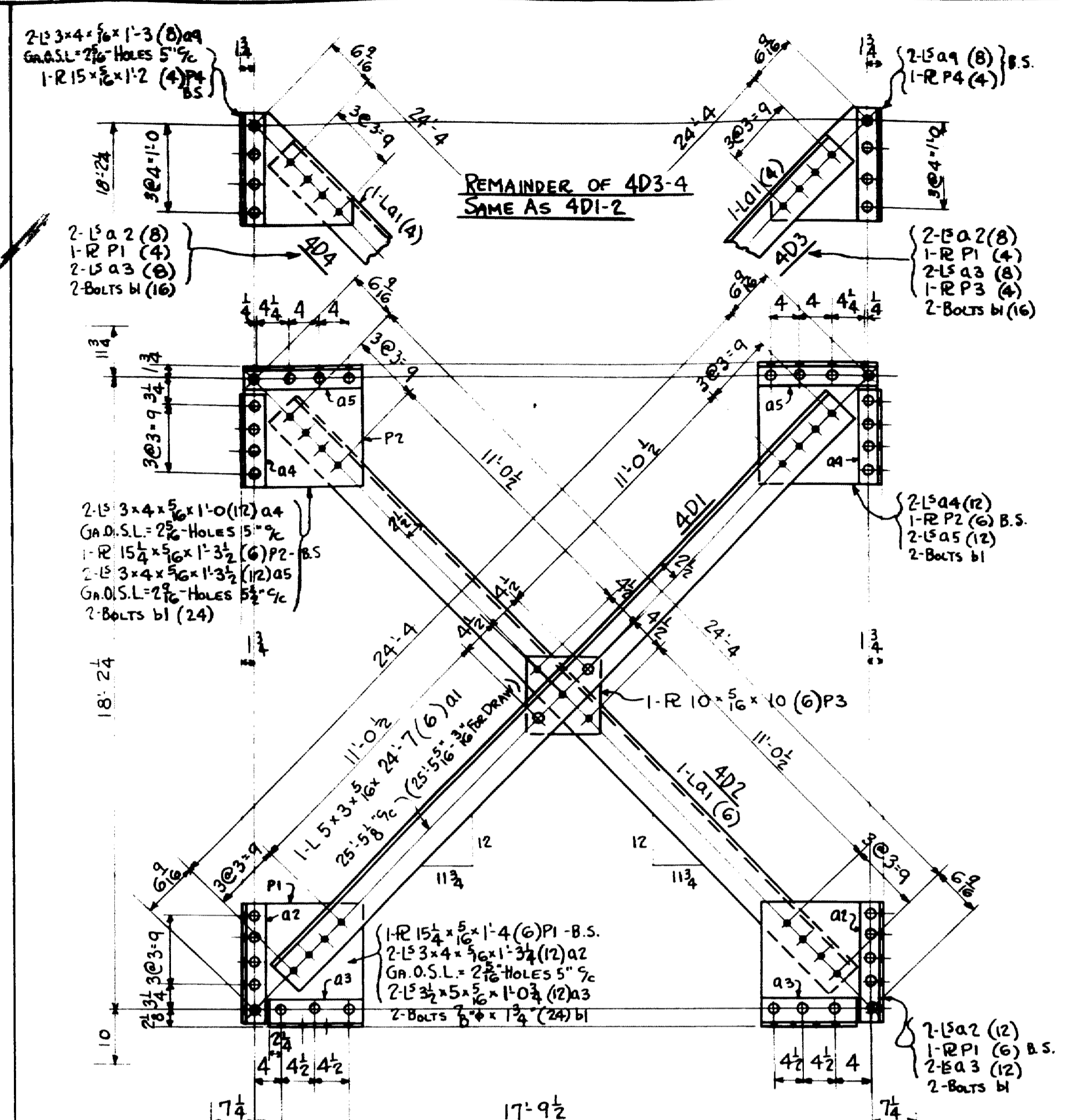


- SHOP NOTES -
Do NOT PAINT SHOP OR FIELD CONTACT SURFACES
CLASSIFICATION - STRUCTURAL STEEL

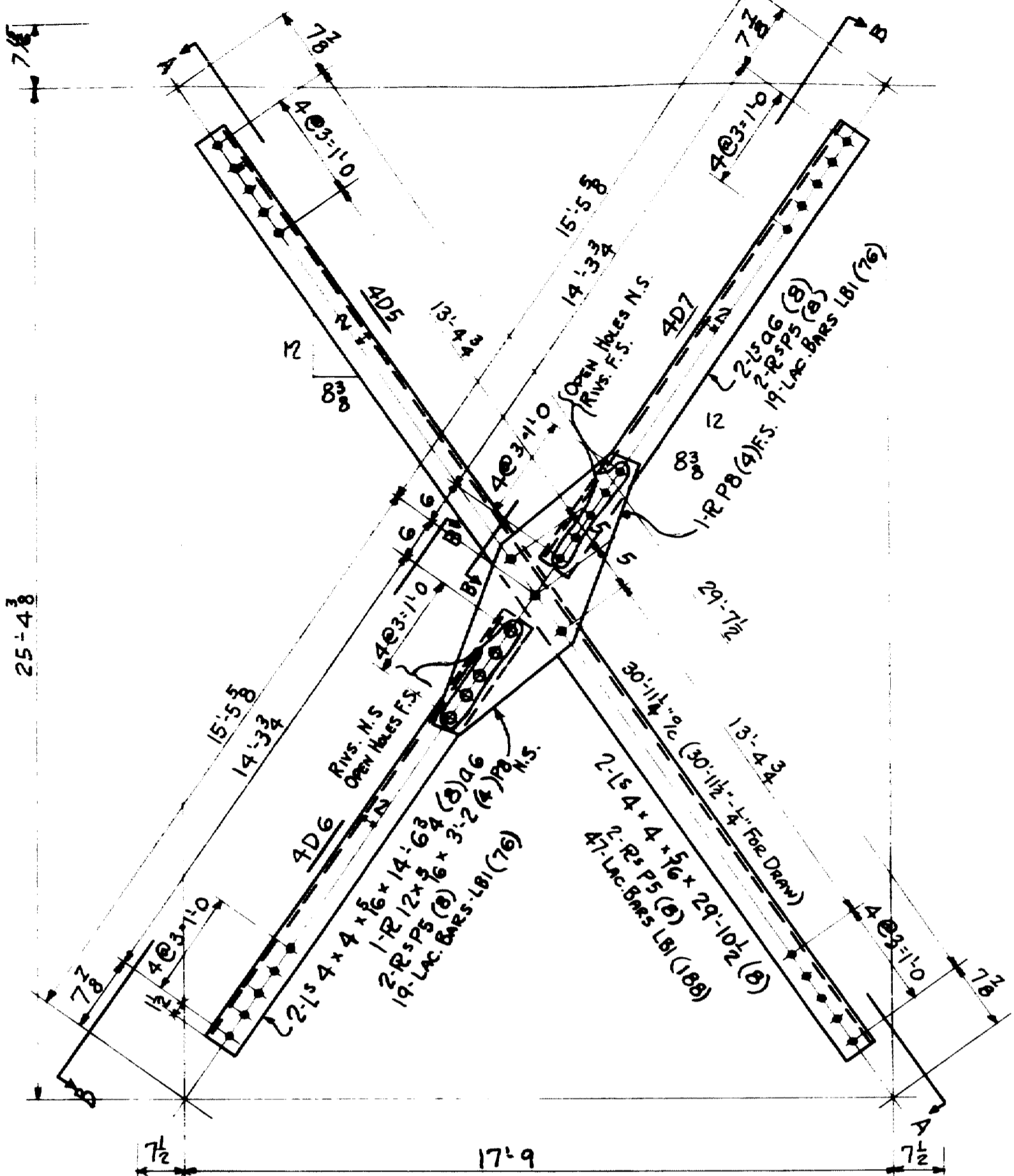
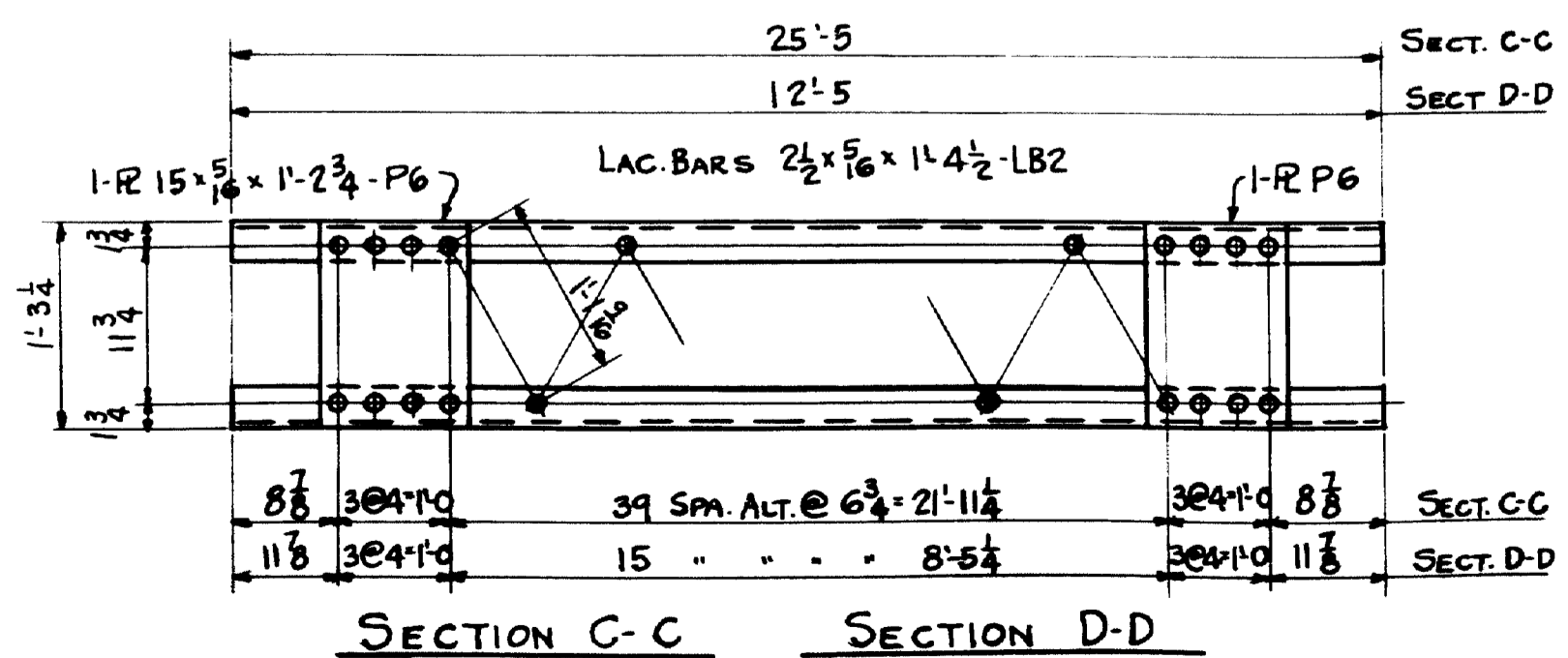
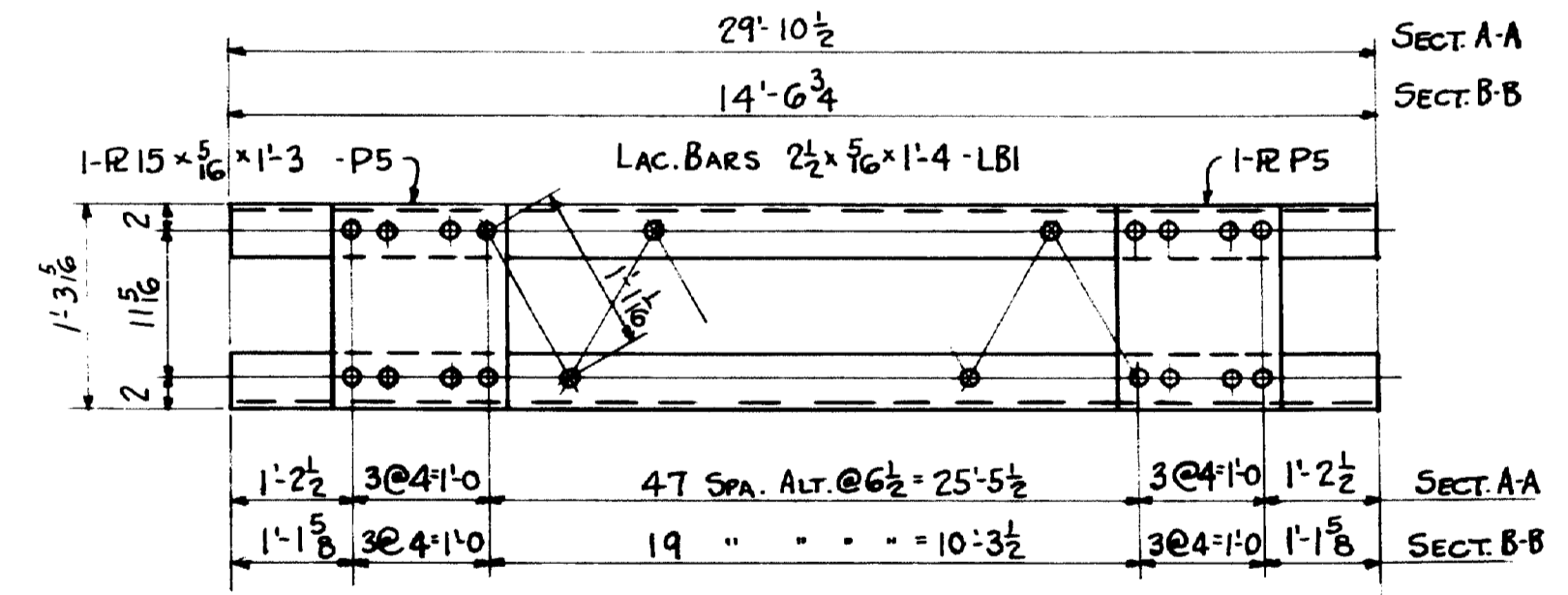
TOWN 03-07 BRIDGE 2702
FALMOUTH RAILROAD CROSSING
OVER
MAINE CENTRAL RR & PRESUMSCOT RIVER
FALMOUTH - CUMBERLAND CO.

INSPECTION	SHOP RIVETS	FIELD
P.T.L.		
RIVETS 7/8"	OPEN HOLES 15/16"	UNLESS NOTED
LACKAWANNA STEEL CONSTRUCTION CORP BUFFALO, N. Y.		
STRUCTURE FALMOUTH RAILROAD CROSSING FOR STATE OF MAINE DETAILS OF FLOOR BEAMS (BAYS 3-4-15) SPECIFICATIONS MAINE STATE HIGHWAY COMM. SHOP PART 1 - Gt. RED LEAD & OIL		
FIELD PART		
DRAWN BY	DATE	CHECKED BY
G.H.S.	12-30-32	W.H.B.
NO.	DATE	DESCRIPTION
1	7/23/37	App. Changes
2		
3		
4		
CONTRACT NO. 2472 SHEET NO. 5		

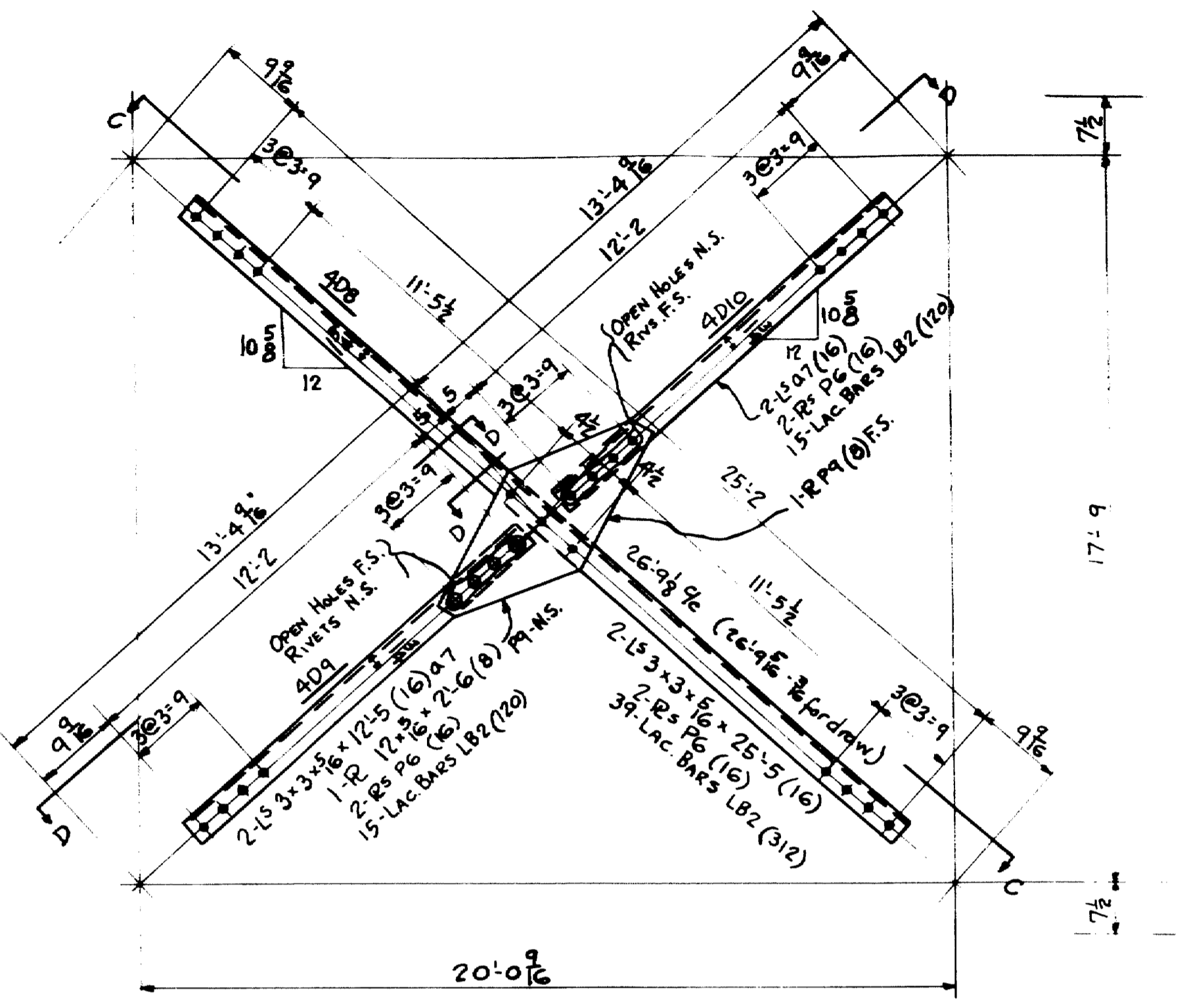
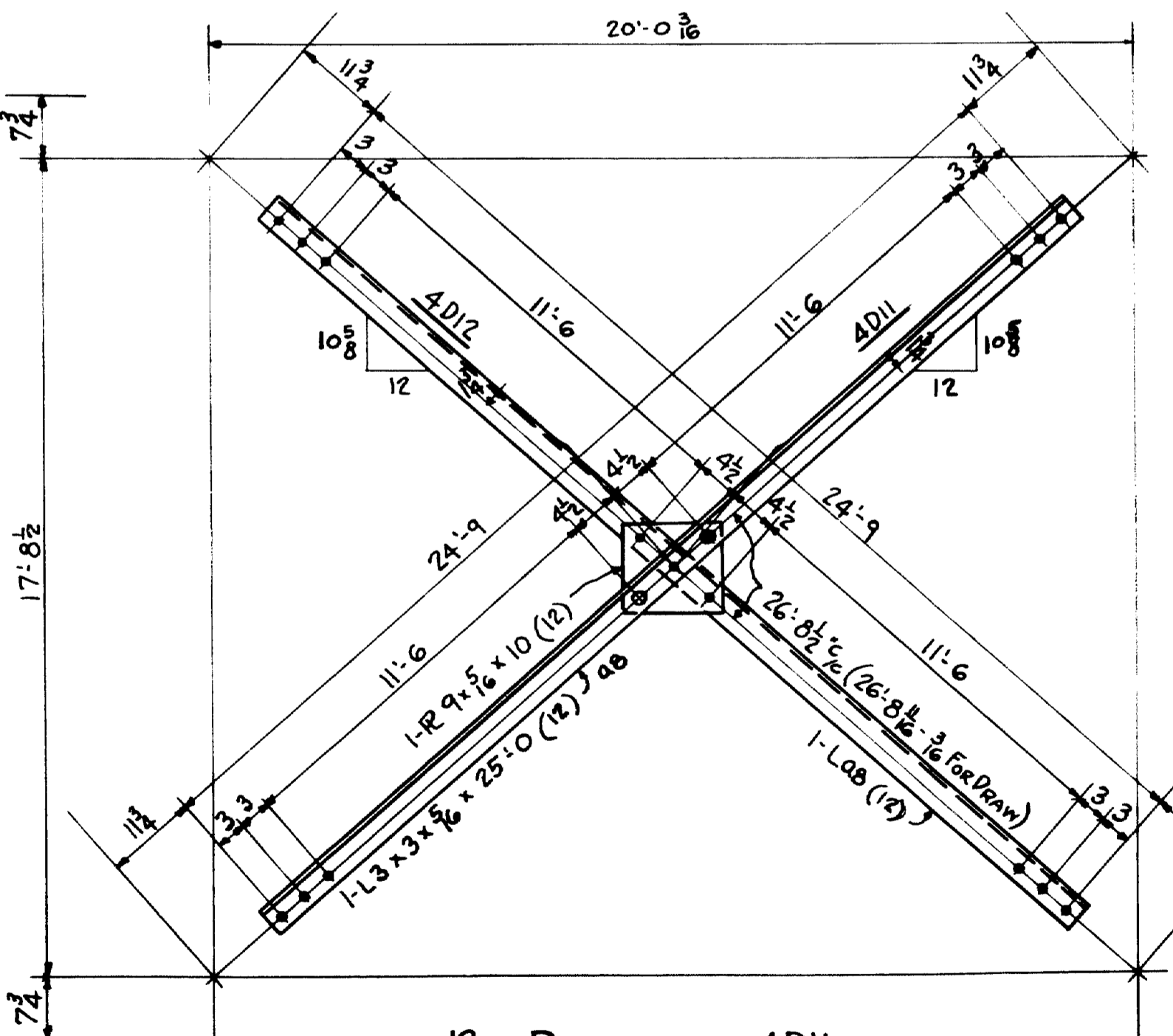




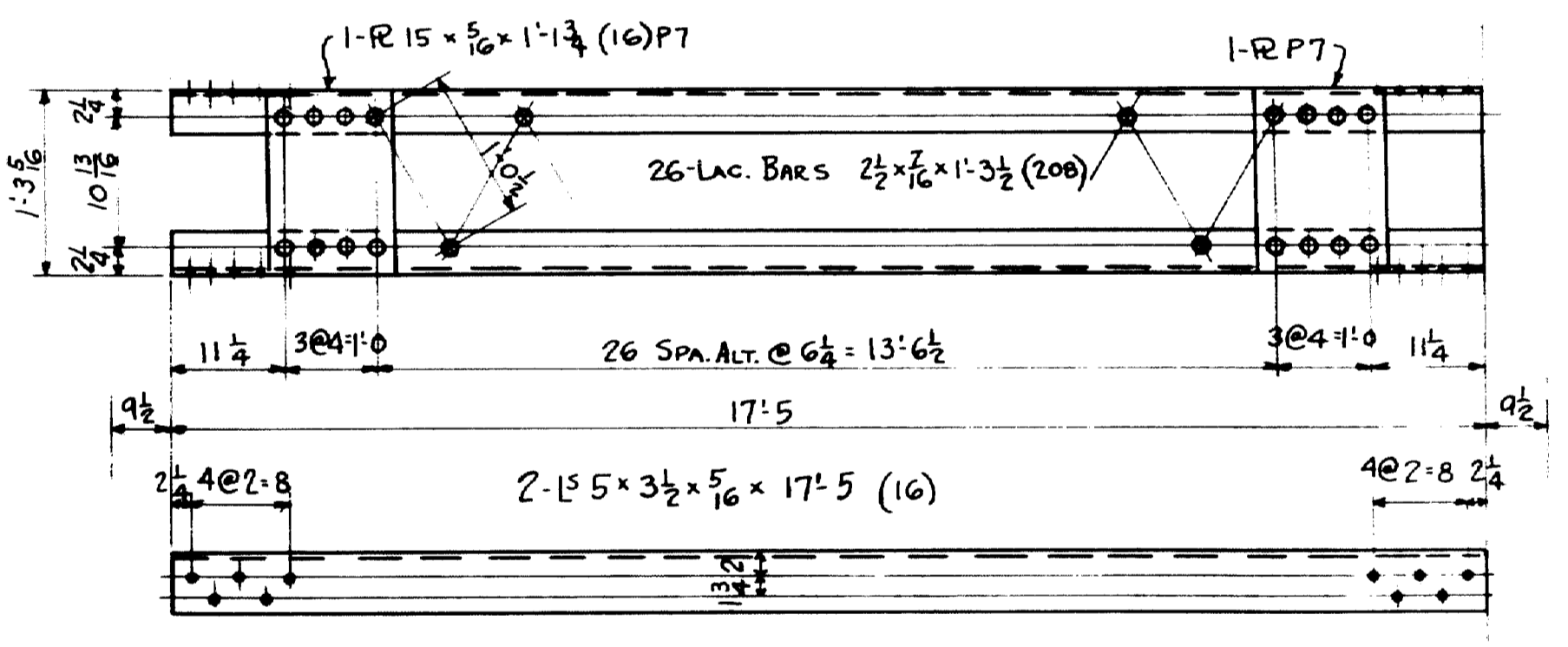
- 6 - DIAGONALS - 4D1
- 6 - do - 4D2
- 4 - do - 4D3
- 4 - do - 4D4



- 4 - DIAGONALS - 4D5
- 4 - do - 4D6
- 4 - do - 4D7



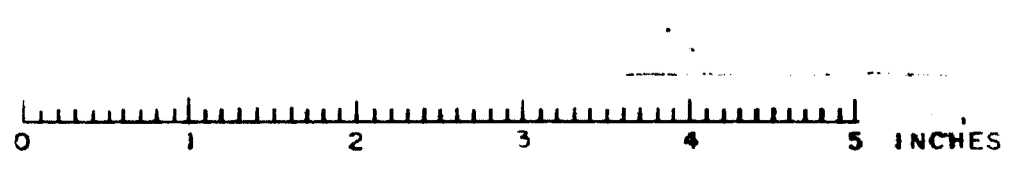
- 8 - DIAGONALS - 4D8
- 8 - do - 4D9
- 8 - do - 4D10



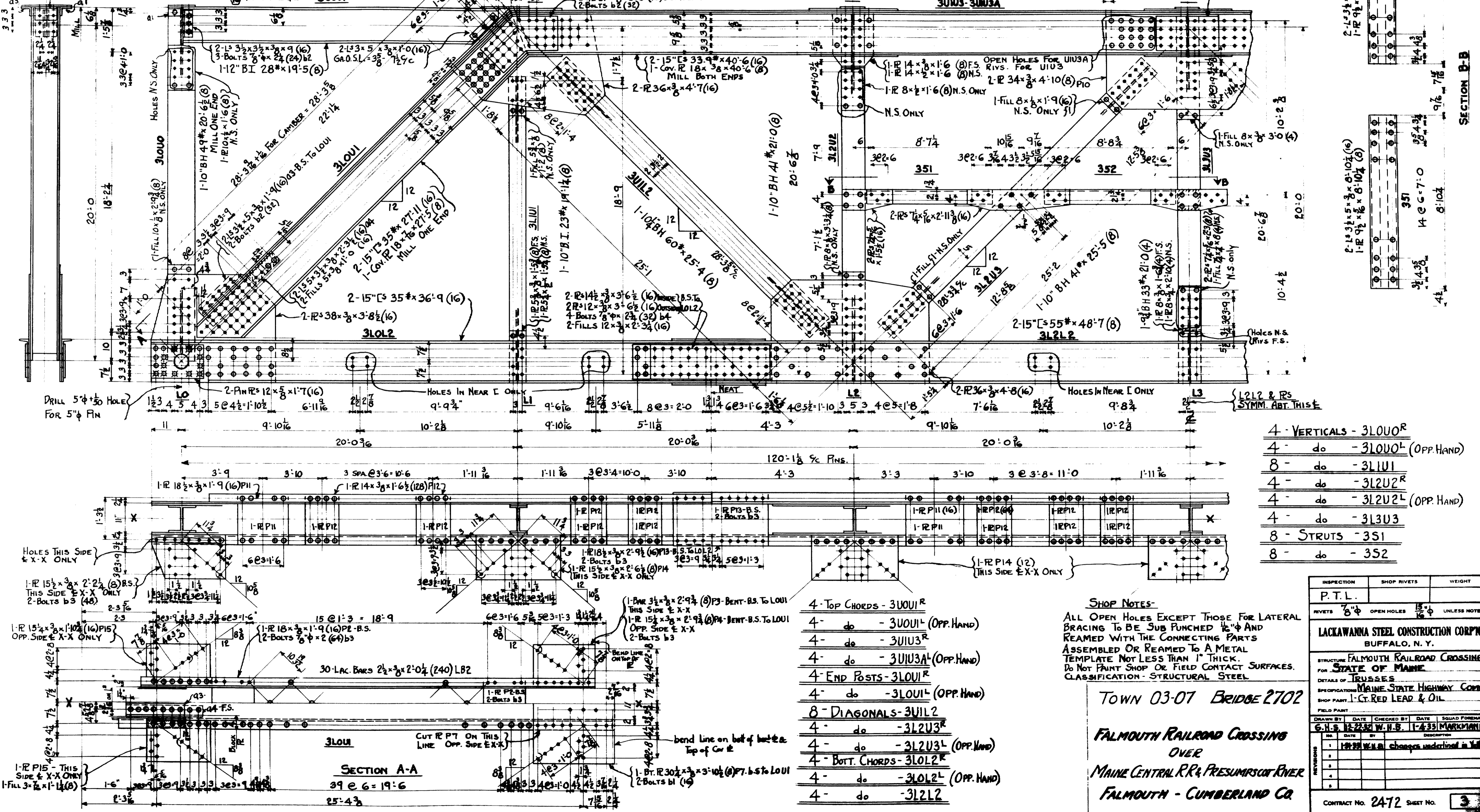
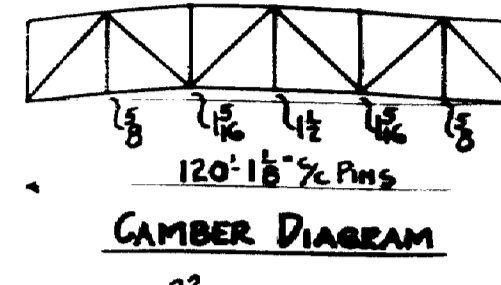
SHOP NOTES
DO NOT PAINT SHOP OR FIELD CONTACT SURFACES
CLASSIFICATION - STRUCTURAL STEEL

TOWN 03-07 BRIDGE 2702
FALMOUTH RAILROAD CROSSING
OVER
MAINE CENTRAL RR & PRESUMPSCOT RIVER
FALMOUTH - CUMBERLAND CO.

INSPECTION	SHOP RIVETS	WEIGHT
P.T.L.		
RIVETS 7/8" φ	OPEN HOLES 15/16" φ	UNLESS NOTED
LACKAWANNA STEEL CONSTRUCTION CORP BUFFALO, N. Y.		
STRUCTURE FALMOUTH RAILROAD CROSSING FOR STATE OF MAINE DETAILS OF BRACING (TRUSS SPANS) SPECIFICATIONS MAINE STATE HIGHWAY CORP SHOP PAINT 1 - ST. RED LEAD & OIL		
FIELD PAINT:		
DRAWN BY	DATE	CHECKED BY
G.H.S.	12-27-31	W.H.D.
NO.	DATE	BY
1		
2		
3		
4		
5		
CONTRACT No. 2472 SHEET No. 4		



CAP MATL
 1L-4x3x $\frac{3}{8}$ x10 (8) a1
 1-R 10x3x $\frac{1}{2}$ x16 (8) B.S.
 1L-4x3x $\frac{3}{8}$ x10 (8) a5
 1-L 4x4x $\frac{3}{8}$ x14 (8) B.S.
 (Cut 6x4 L)
 4-BOLTS $\frac{3}{4}$ x $\frac{1}{2}$ x (32) b1

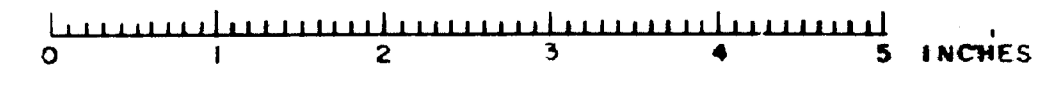


SHOP NOTES:
 ALL OPEN HOLES EXCEPT THOSE FOR LATERAL BRACING TO BE SUB PUNCHED $\frac{1}{8}$ " AND REAMED WITH THE CONNECTING PARTS ASSEMBLED OR REAMED TO A METAL TEMPLATE NOT LESS THAN 1" THICK. DO NOT PAINT SHOP OR FIELD CONTACT SURFACES. CLASSIFICATION - STRUCTURAL STEEL

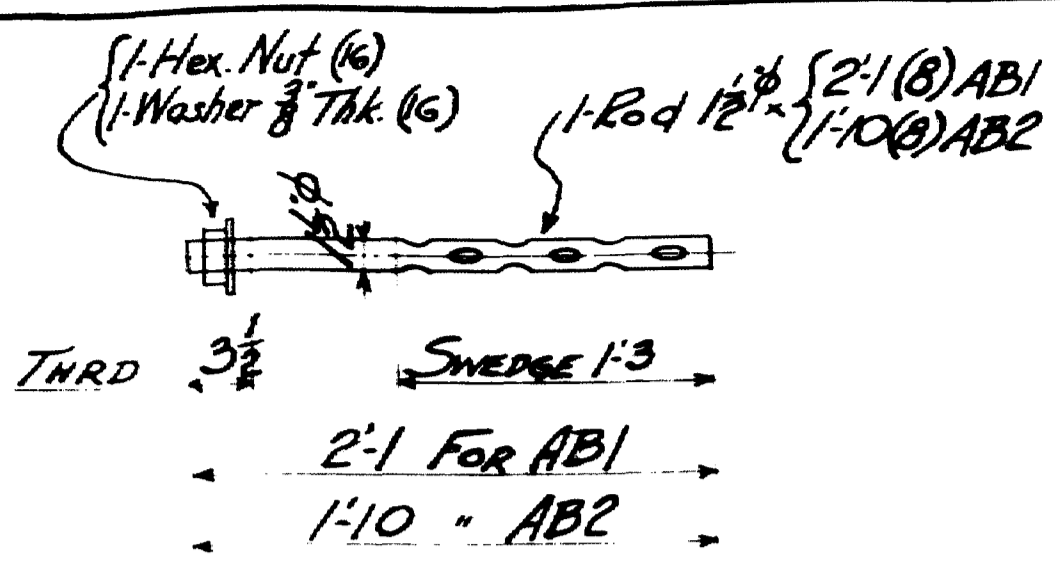
TOWN 03-07 BRIDGE 2702

FALMOUTH RAILROAD CROSSING OVER MAINE CENTRAL R.R. PRESUMSCOT RIVER FALMOUTH - CUMBERLAND CO.

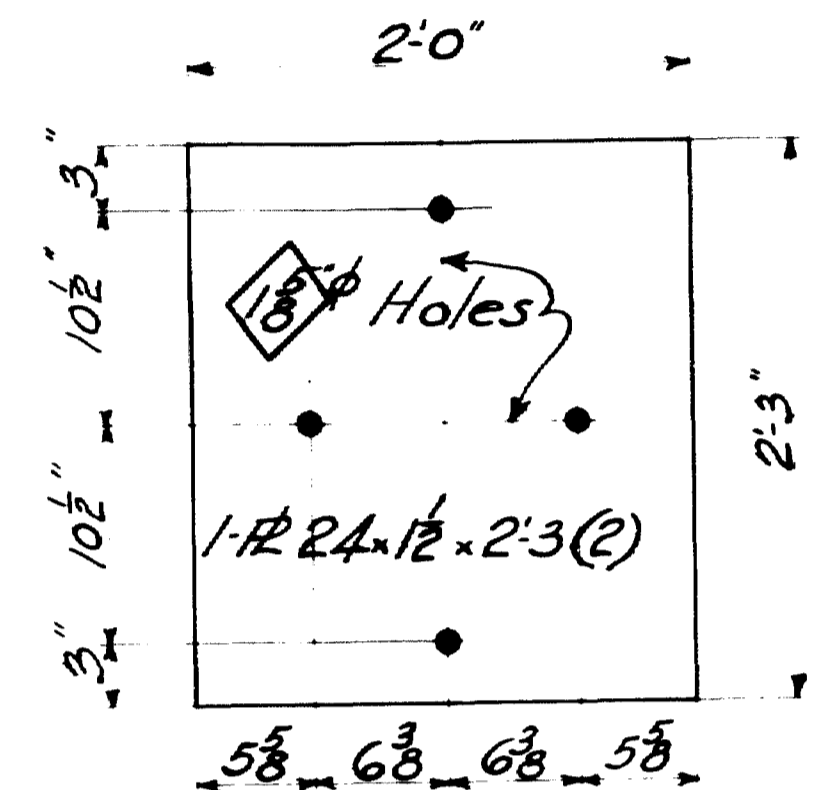
INSPECTION	SHOP RIVETS	WEIGHT
P.T.L.		
RIVETS $\frac{3}{8}$ "	OPEN HOLES $\frac{15}{16}$ "	UNLESS NOTED
LACKAWANNA STEEL CONSTRUCTION CORPN BUFFALO, N. Y.		
STRUCTURE FALMOUTH RAILROAD CROSSING FOR STATE OF MAINE		
DETAILS OF TRUSSES		
SPECIFICATION MAINE STATE HIGHWAY COMM. SHOP PART 1: CT. RED LEAD & OIL		
FIELD PART		
DESIGNED BY	DATE	CHECKED BY
DATE	DATE	SQUAD FOREMAN
NO.	DATE	NO.
1	1/22/22	W.H.B. 1-433 MARKMANN
2		
3		
4		
5		
CONTRACT No. 2472 SHEET No. 3		



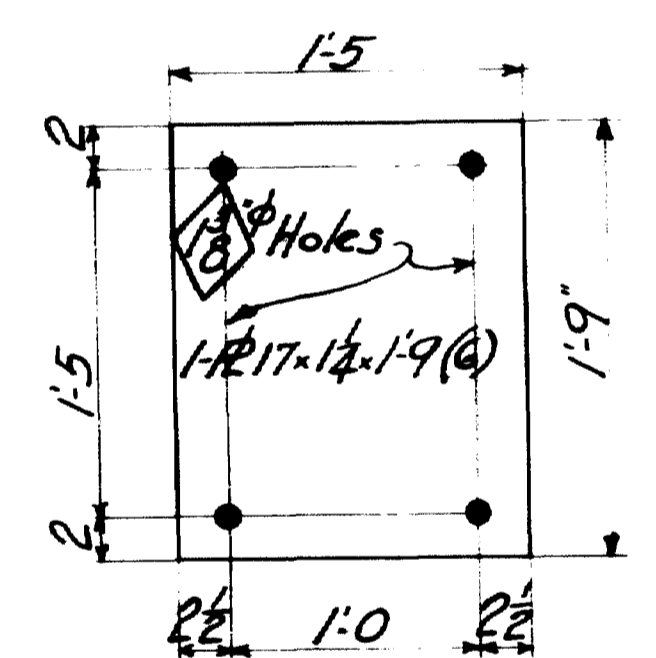
2-2672



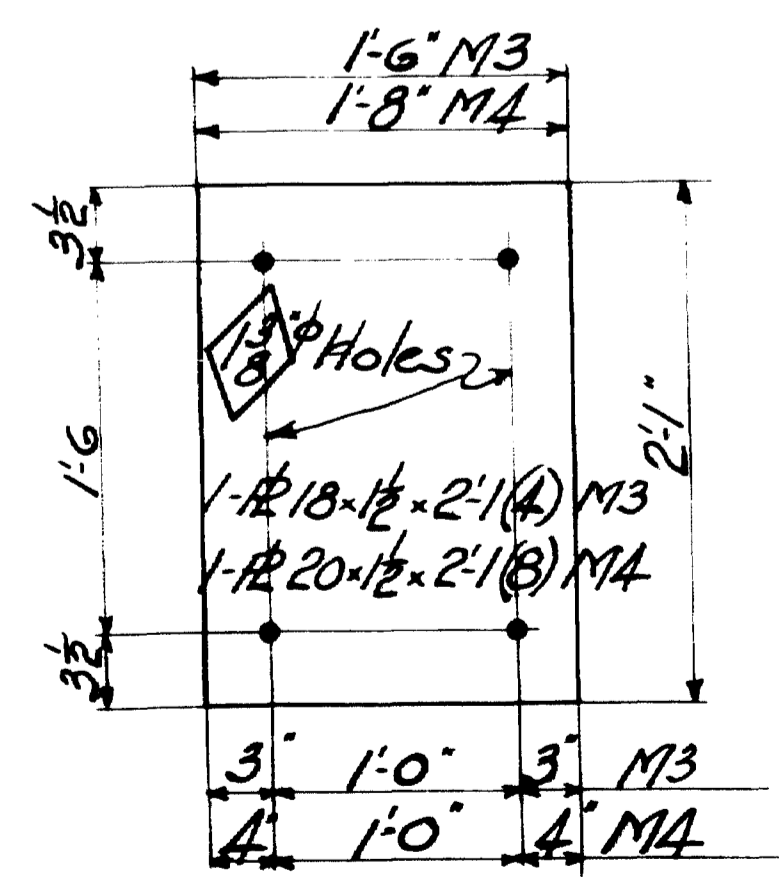
8-ANCHOR BOLTS-2AB1
8- " " -2AB2



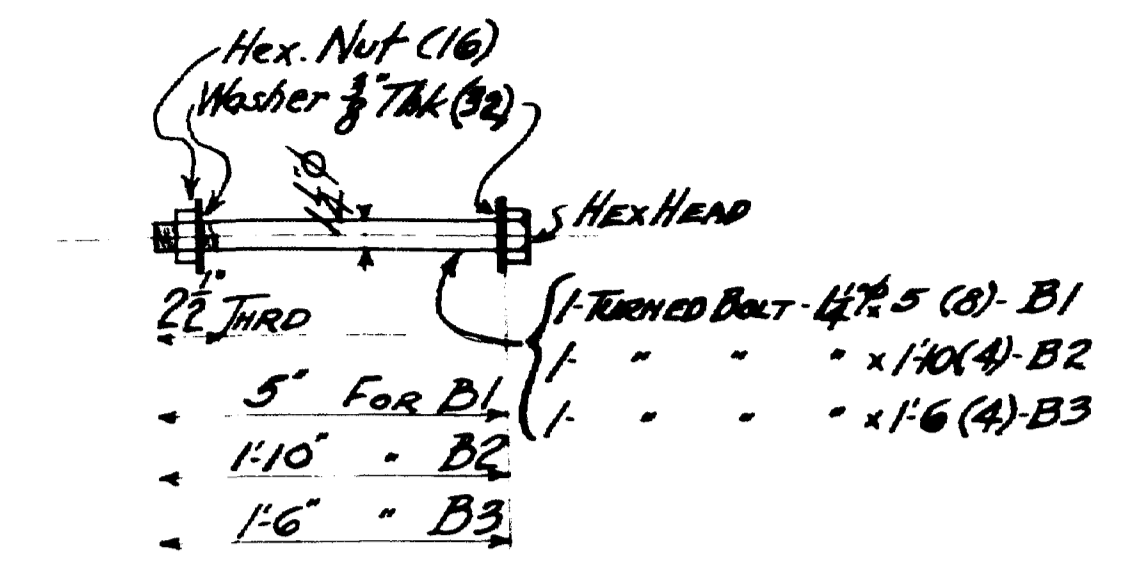
2-MASONRY PLATES-2M1



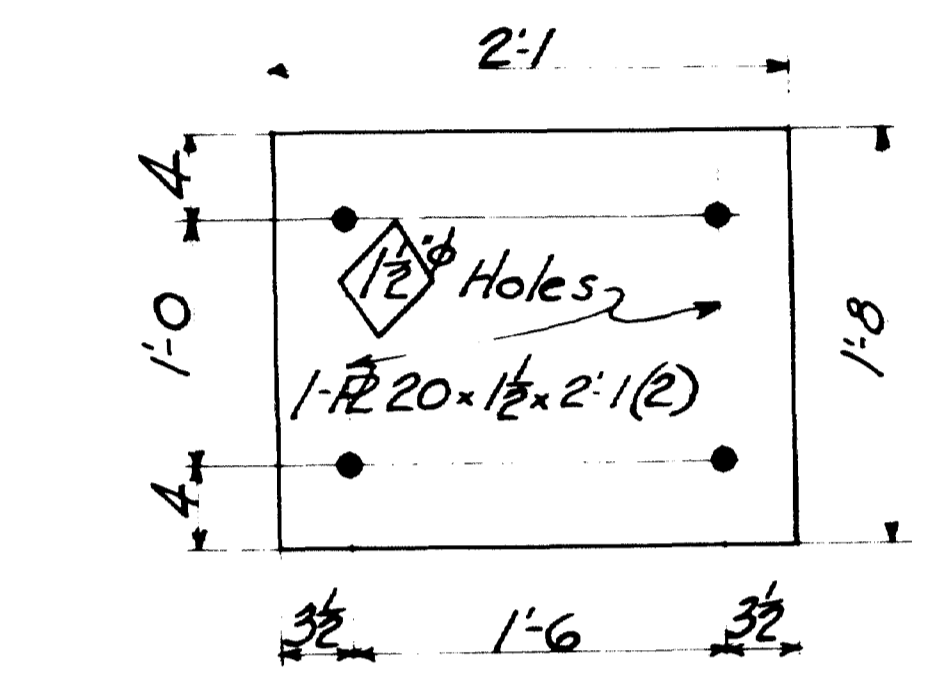
6-MASONRY PLATES-2M2



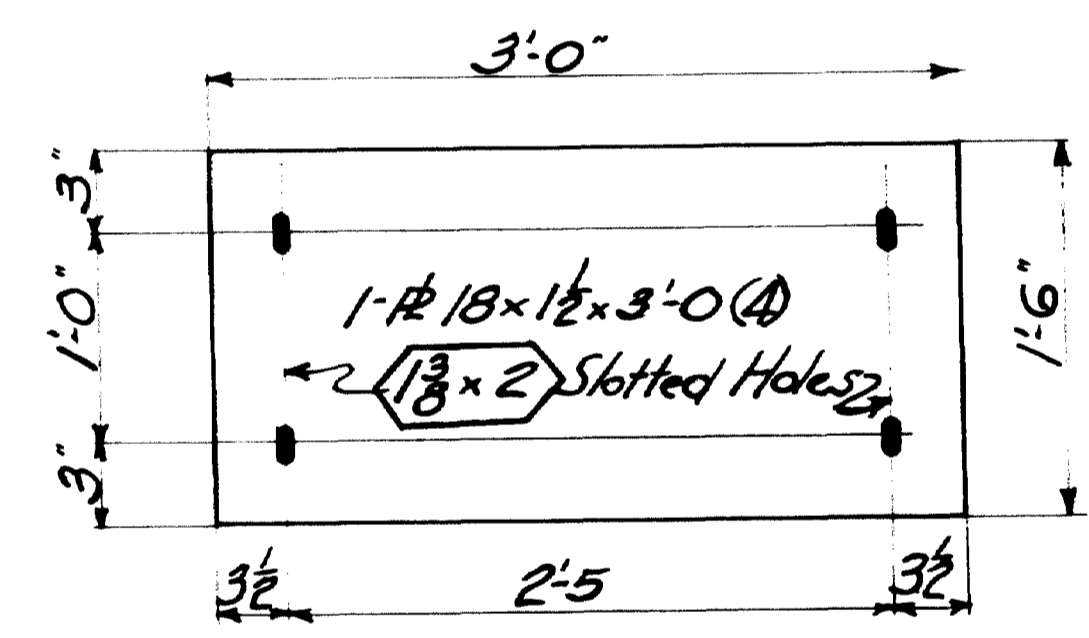
4-MASONRY PLATES-2M3
8- " " -2M4



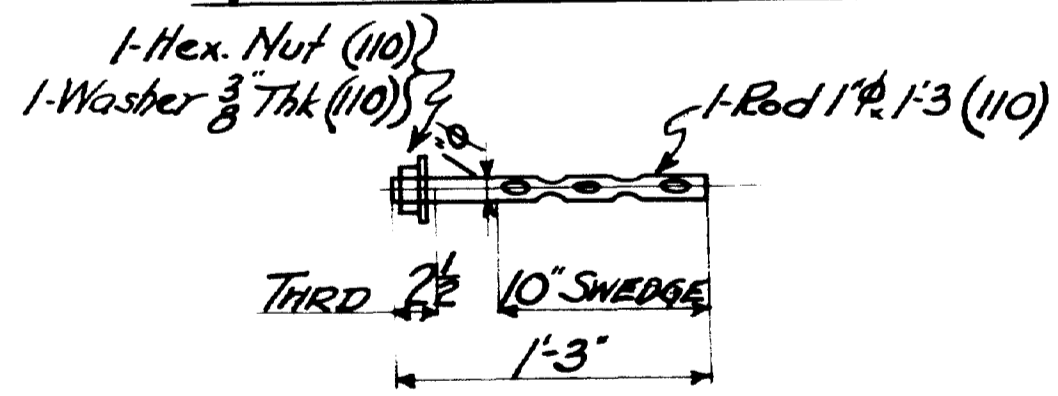
8-TURNED BOLTS-2B1
4- " " -2B2
4- " " -2B3



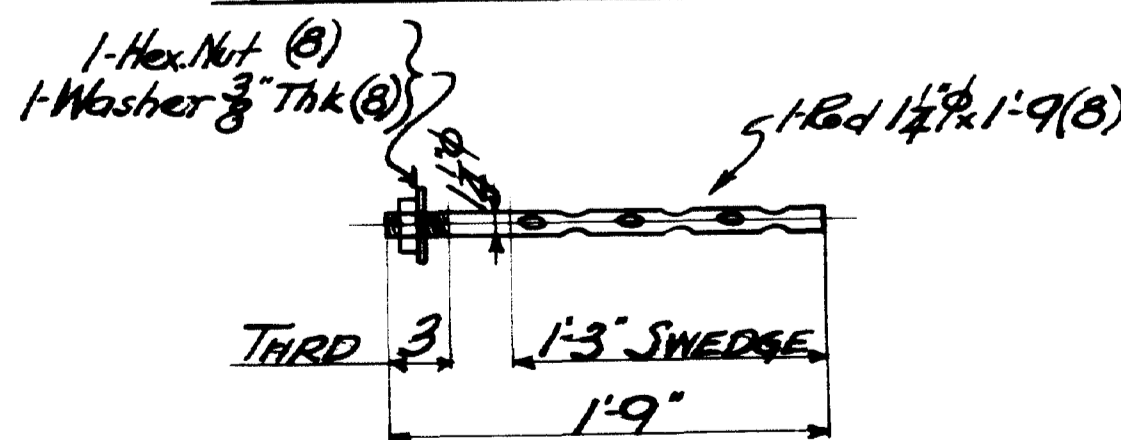
2-MASONRY PLATES-2M5



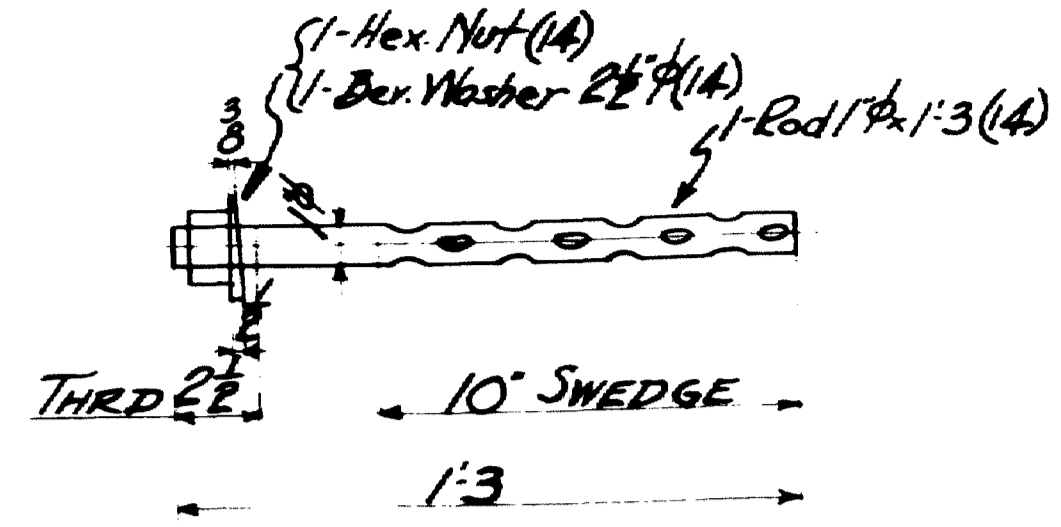
4-MASONRY PLATES-2M6



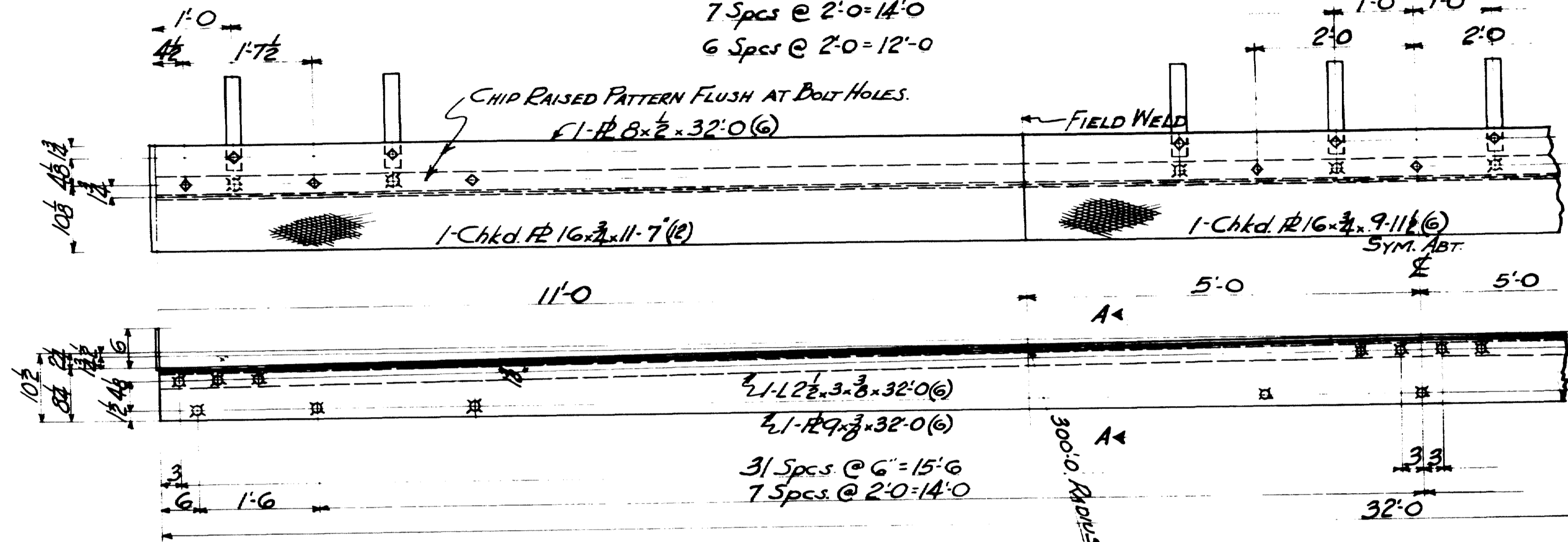
110-ANCHOR BOLTS-2AB3



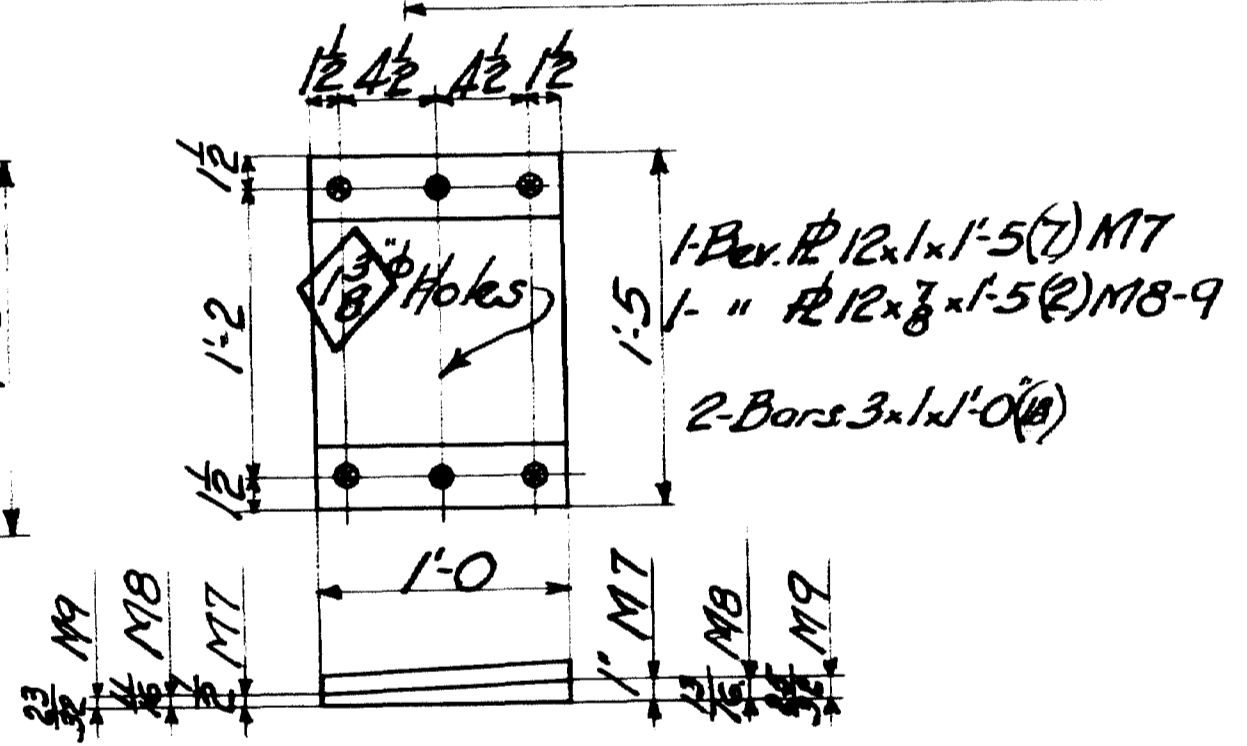
8-ANCHOR BOLTS-2AB4



14-ANCHOR BOLTS-2AB5

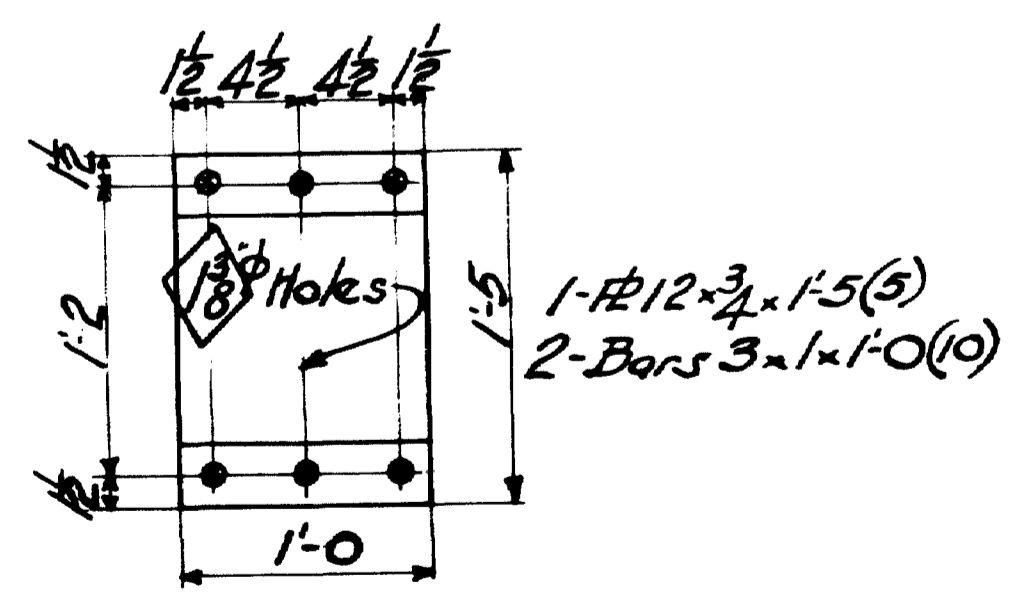


6-EXPANSION DAMS-2ED1

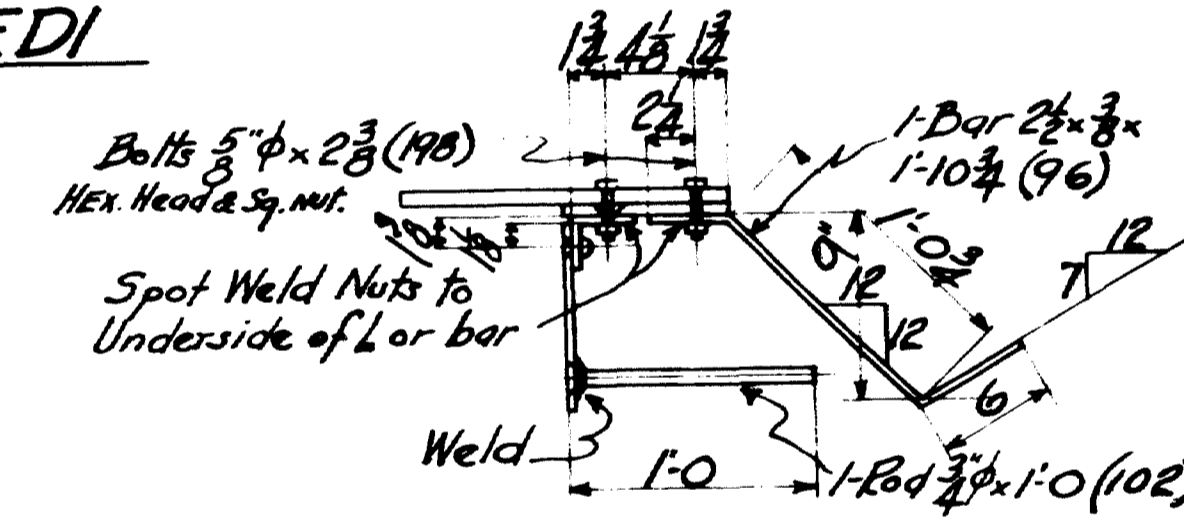


7-MASONRY PLATES-2M7

ONE- " " -2M8
ONE- " " -2M9



5-MASONRY PLATES-2M10



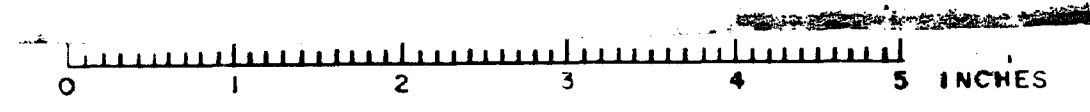
SECTION A-A

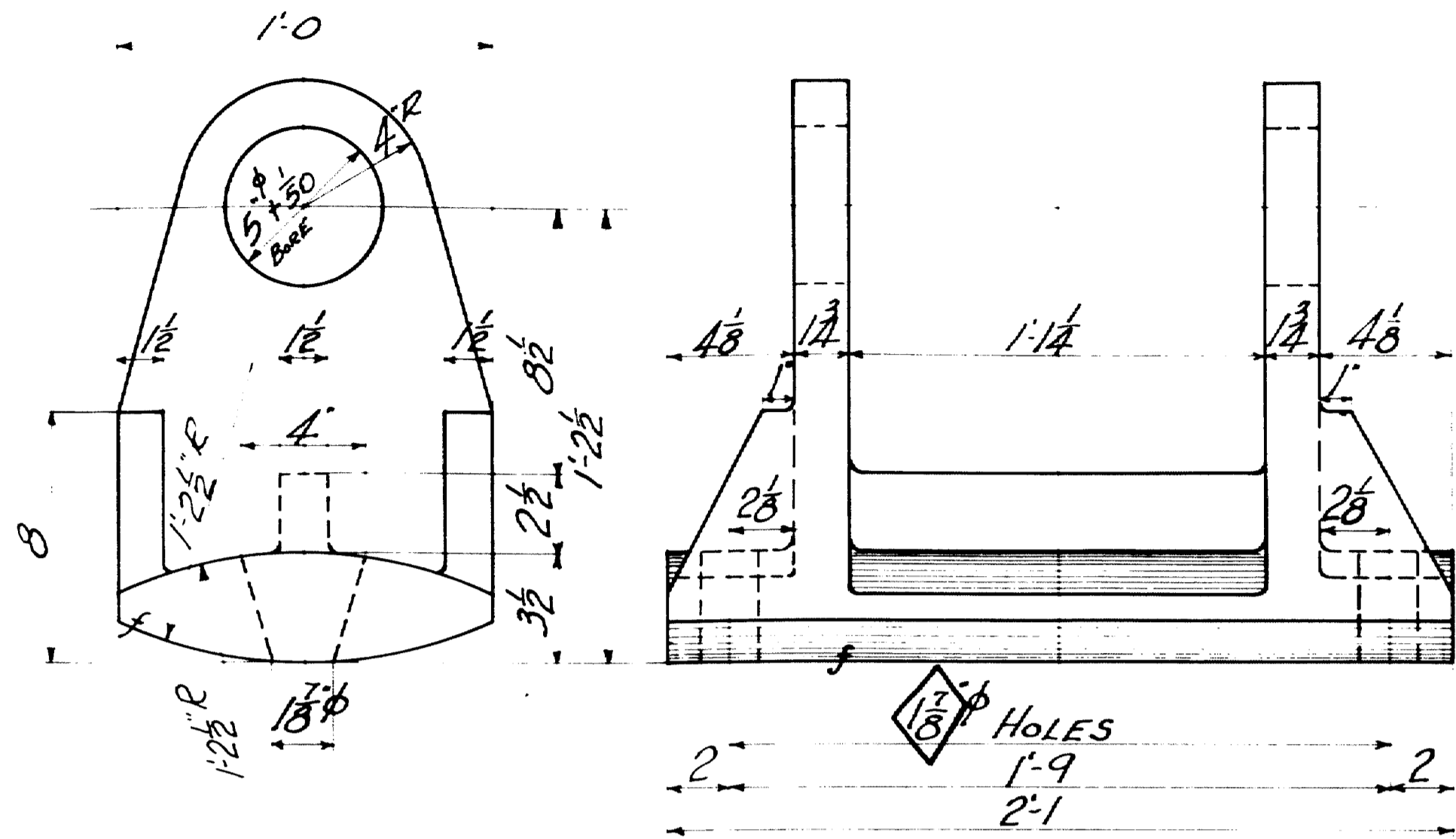
SHOP NOTE -
Do NOT PAINT SHOP OR
FIELD CONTACT SURFACES.

CLASSIFICATION: STRUCTURAL STEEL

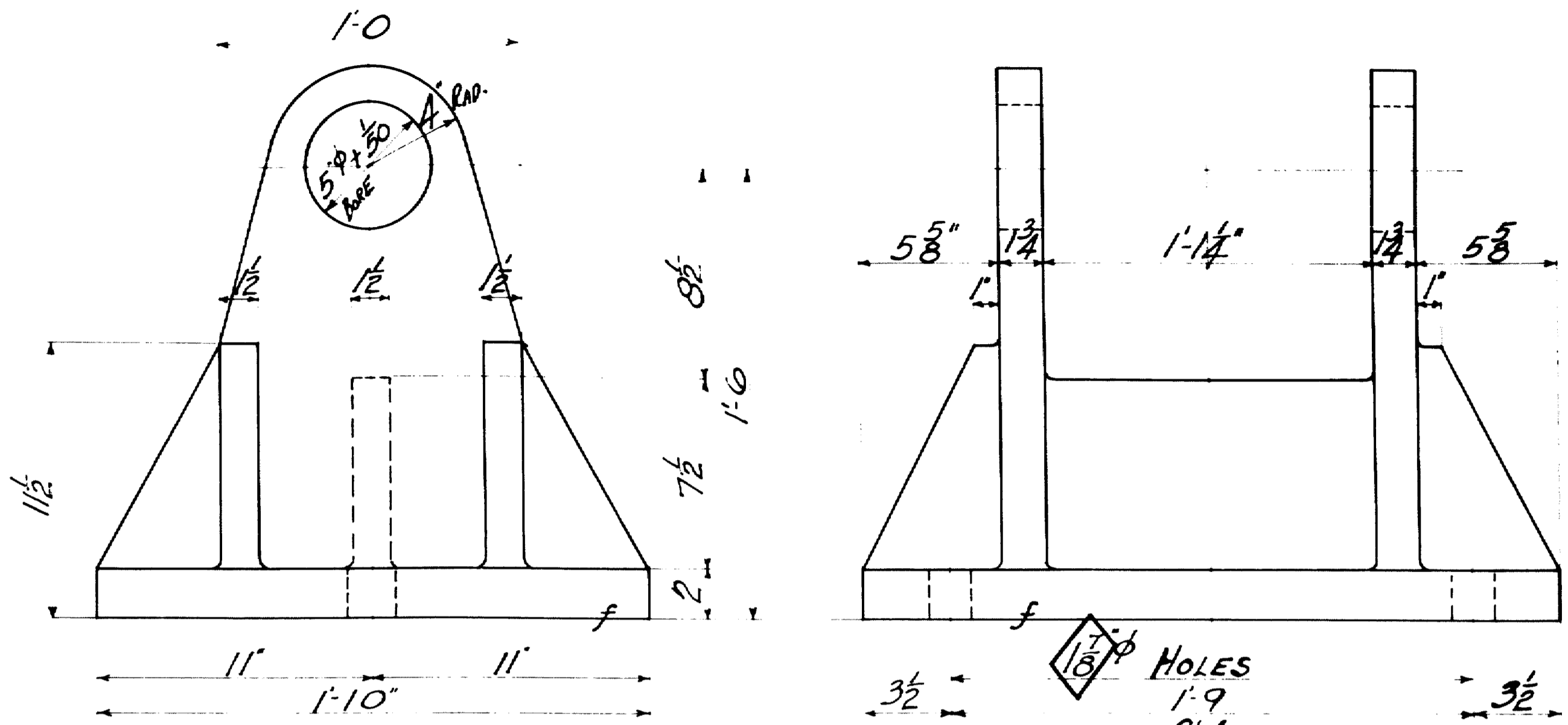
TOWN 03-07 BRIDGE 2702
FALMOUTH RAILROAD CROSSINGS
OVER
MAINE CENTRAL R.R. & PRESUMPSCOT RIVER
FALMOUTH CUMBERLAND CO.

INSPECTION	SHOP RIVETS	WEIGHT
P.T.L.		
RIVETS 8	OPEN HOLES 15	UNLESS NOTED
LACKAWANNA STEEL CONSTRUCTION CORP BUFFALO, N. Y.		
STRUCTURE FALMOUTH RAILROAD CROSSING FOR STATE OF MAINE DETAILS OF MASONRY RE END DAMS RIVETS SPECIFICATION MAINE STATE HIGHWAY CONSTRUCTION SHOP PAINT ONE G. RED LEAD & OIL		
FIELD PAINT		
DRAWN BY	DATE	CHECKED BY
S.F.A. 12-21-12	12-21-12	6:30 A.M.
NO.	DATE	BY
1	12-21-12	S.F.A.
2		
3		
4		
5		
CONTRACT NO. 2472 SHEET NO. 1		

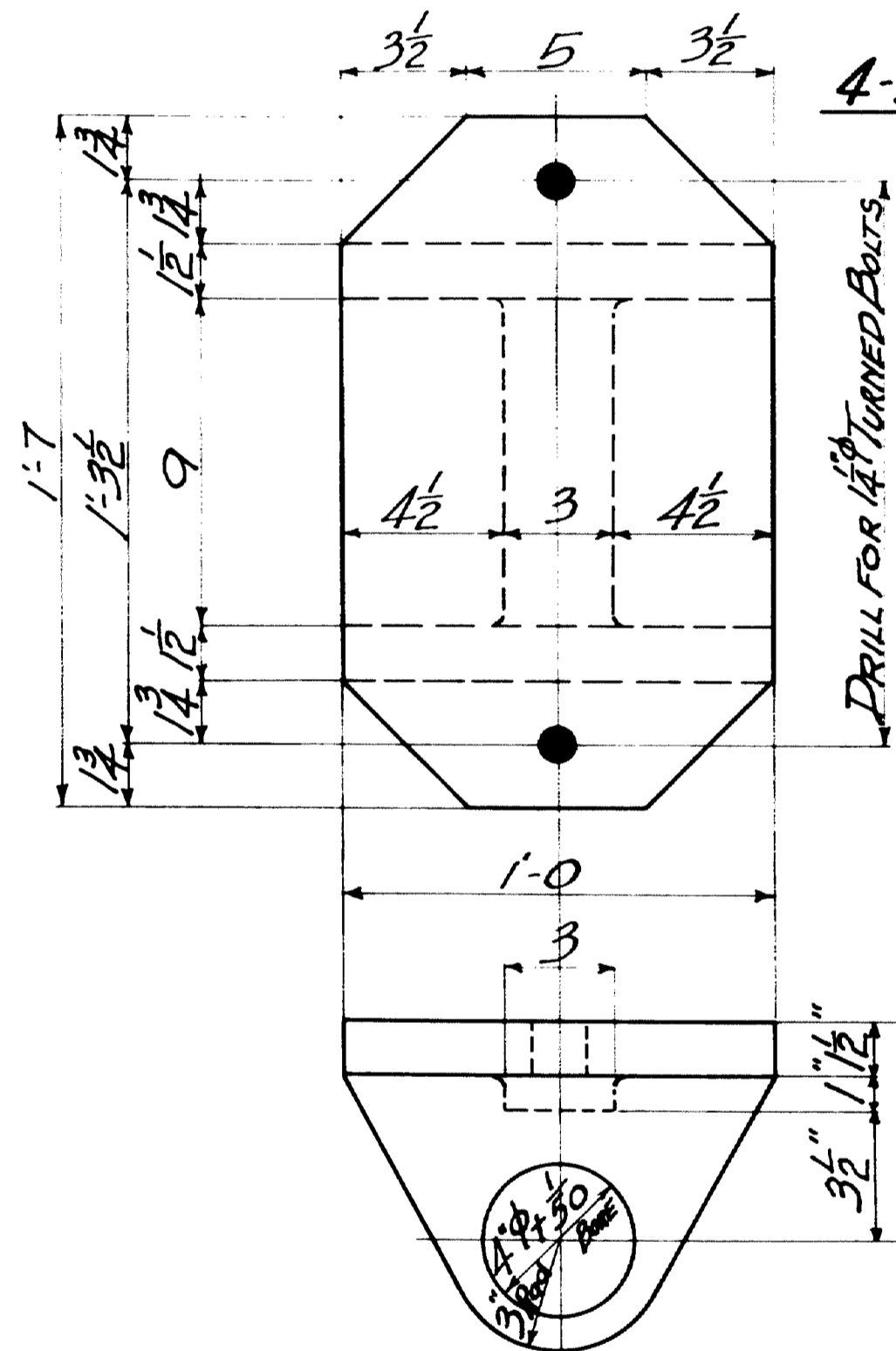




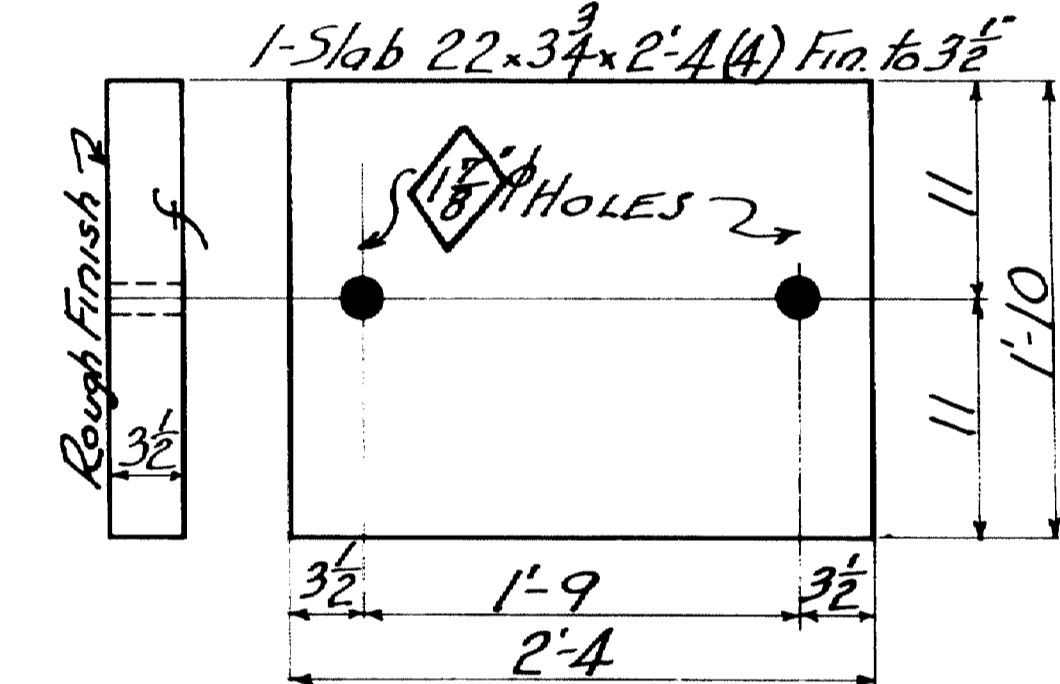
4-EXPANSION ROCKERS - 1ER1 (CAST STEEL)



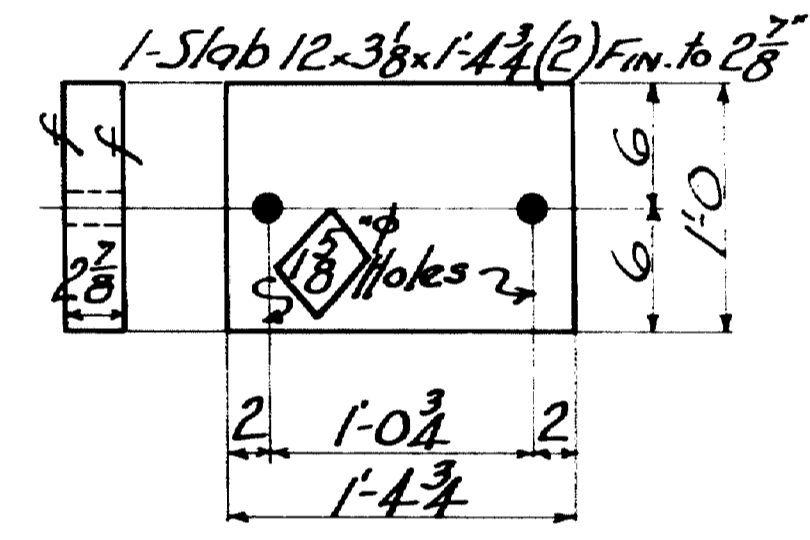
4-FIXED PEDESTALS - 1FP1 (CAST STEEL)



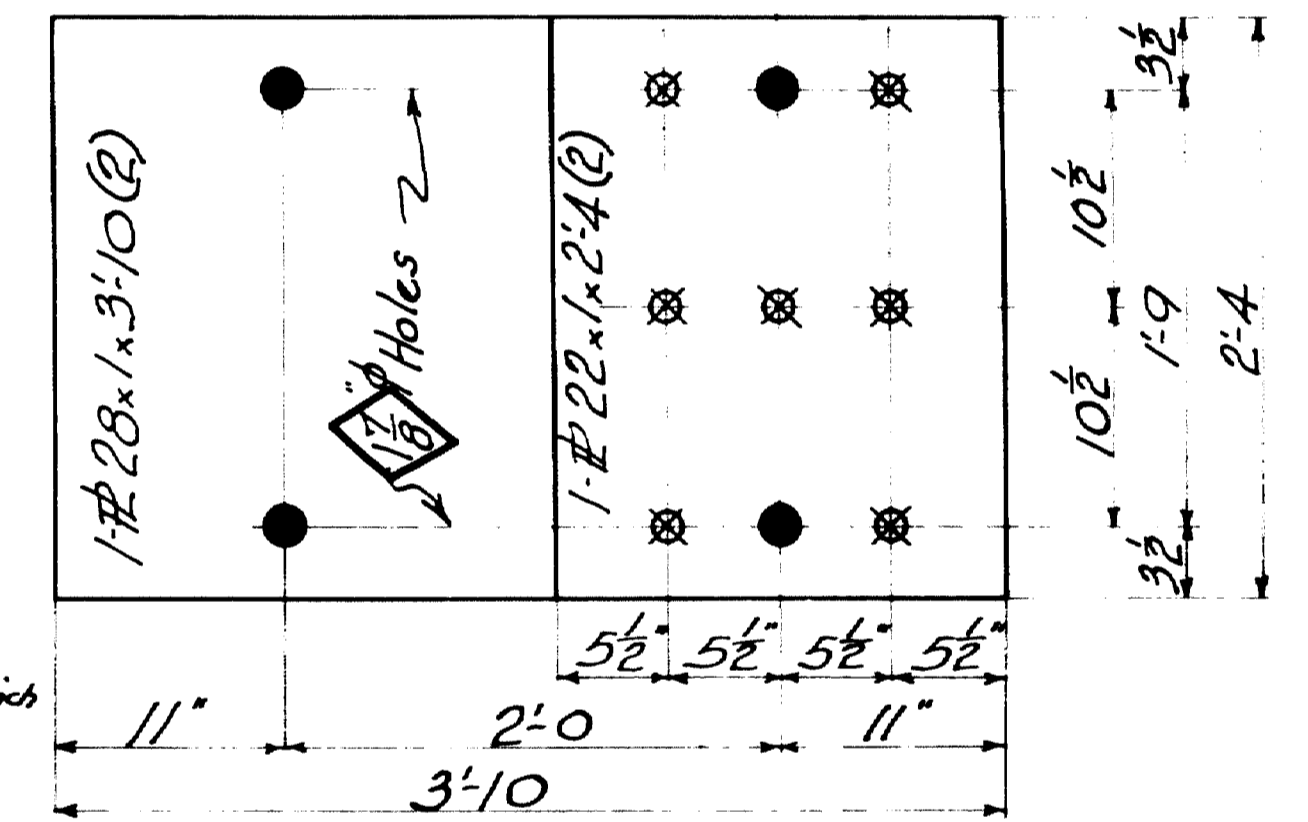
4-TOP SHOE SECTIONS - 1TS1 (CAST STEEL)



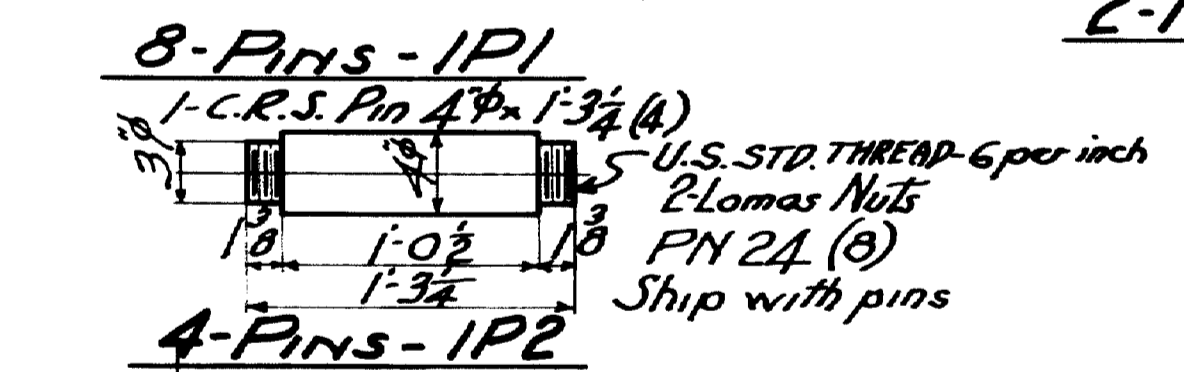
4-EXP. BEARING PLATES - 1EBP1



2-EXP. BEARING PLATES - 1EBP2

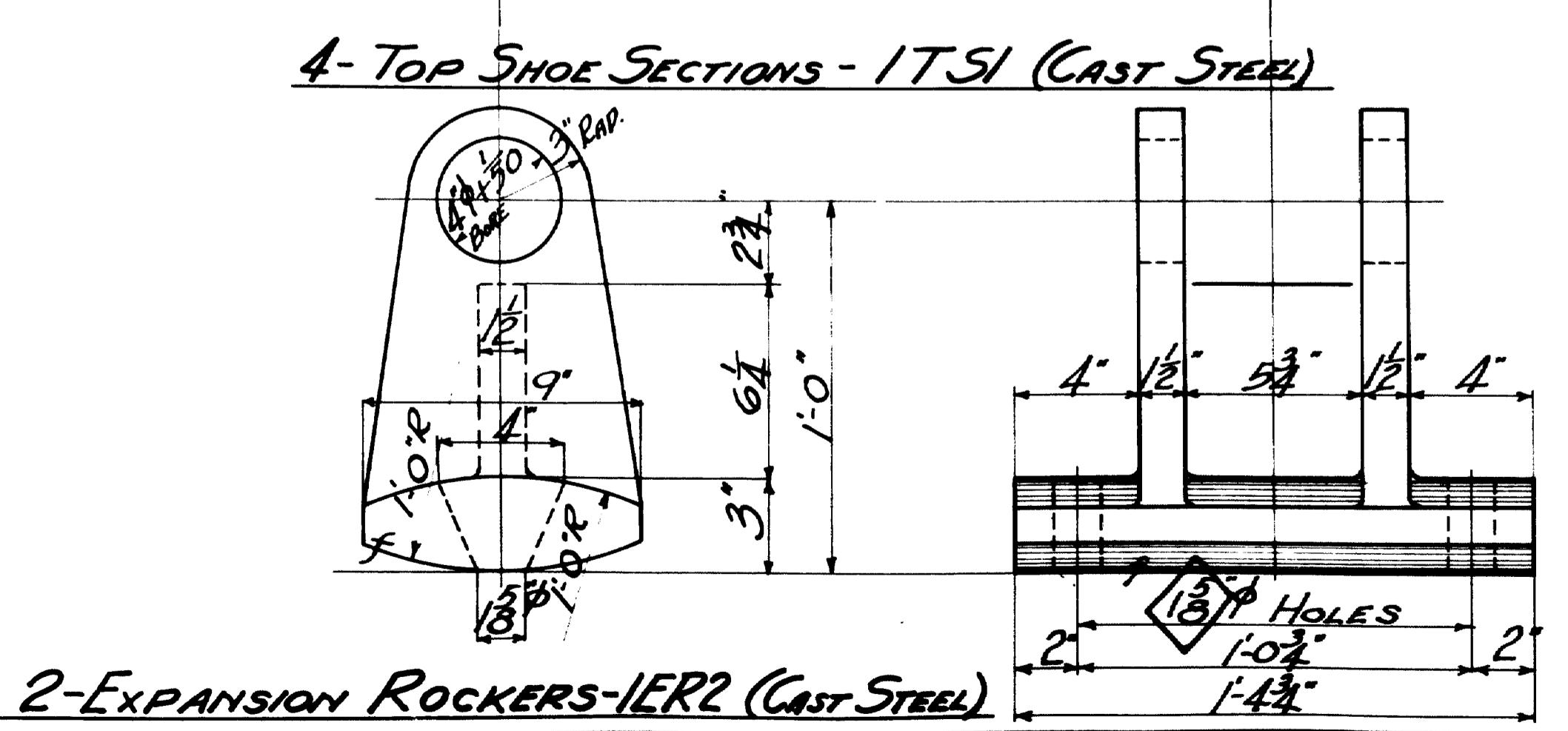


2-MASONRY PLATES - 1MPI

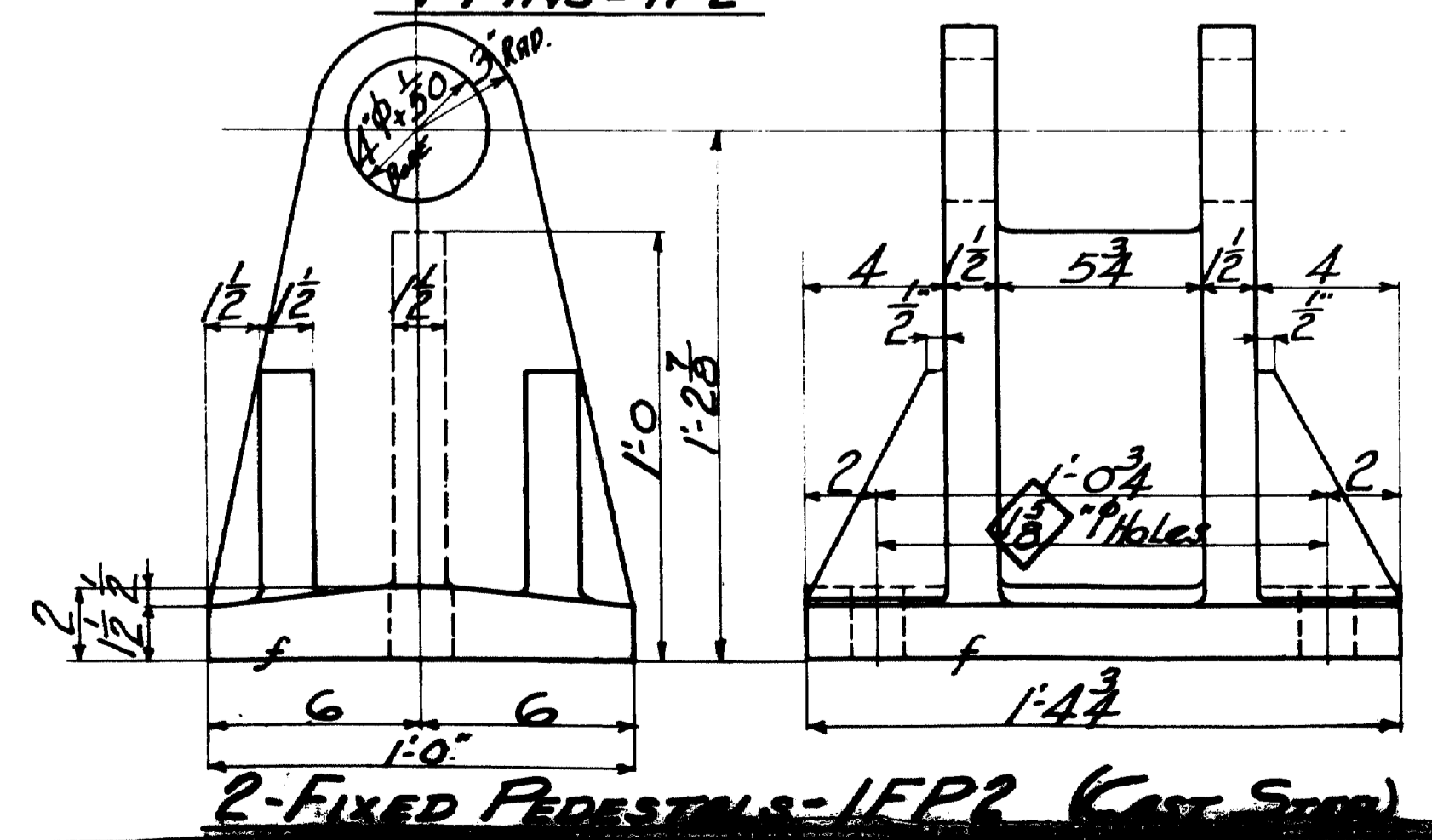


8-PINS - 1P1

4-PINS - 1P2



2-EXPANSION ROCKERS - 1ER2 (CAST STEEL)



2-FIXED PEDESTALS - 1FP2 (CAST STEEL)

SHOP NOTE:-
 ALL MATERIAL TO RECEIVE
 1-COAT. RED LEAD AND OIL.
 EXCEPT MACHINED SURFACES
 WHICH SHALL BE COVERED WITH
 1-COAT WHITE LEAD AND TALLOW

CLASSIFICATION - STRUCTURAL STEEL
 TOWN 03-07 BRIDGE 2702
 FALMOUTH RAILROAD CROSSING
 OVER
 MAINE CENTRAL R.R. & PRESUMPSCOT RIVER
 FALMOUTH CUMBERLAND CO.

INSPECTION	SHOP RIVETS	WEIGHT
P.T.L.		
RIVETS	100	OPEN HOLES As Noted UNLESS NOTED
LACKAWANNA STEEL CONSTRUCTION CORP BUFFALO, N. Y.		
STRUCTURE: FALMOUTH RAILROAD CROSSING		
FOR: STATE OF MAINE		
DETAILS OF: SHOES, BEARINGS, & PINS		
SPECIFICATIONS: MAINE STATE HIGHWAY COM. 1938		
SHOP PART: SEE NOTE		
FIELD PART:		
DRAWN BY:	DATE:	CHECKED BY:
G. F. V. W. W. B.	10-28-38	W. J. R. A. M.
NO.	DATE	BY
1		
2		
3		
4		
5		
CONTRACT No. 2472 SHEET No. 1		