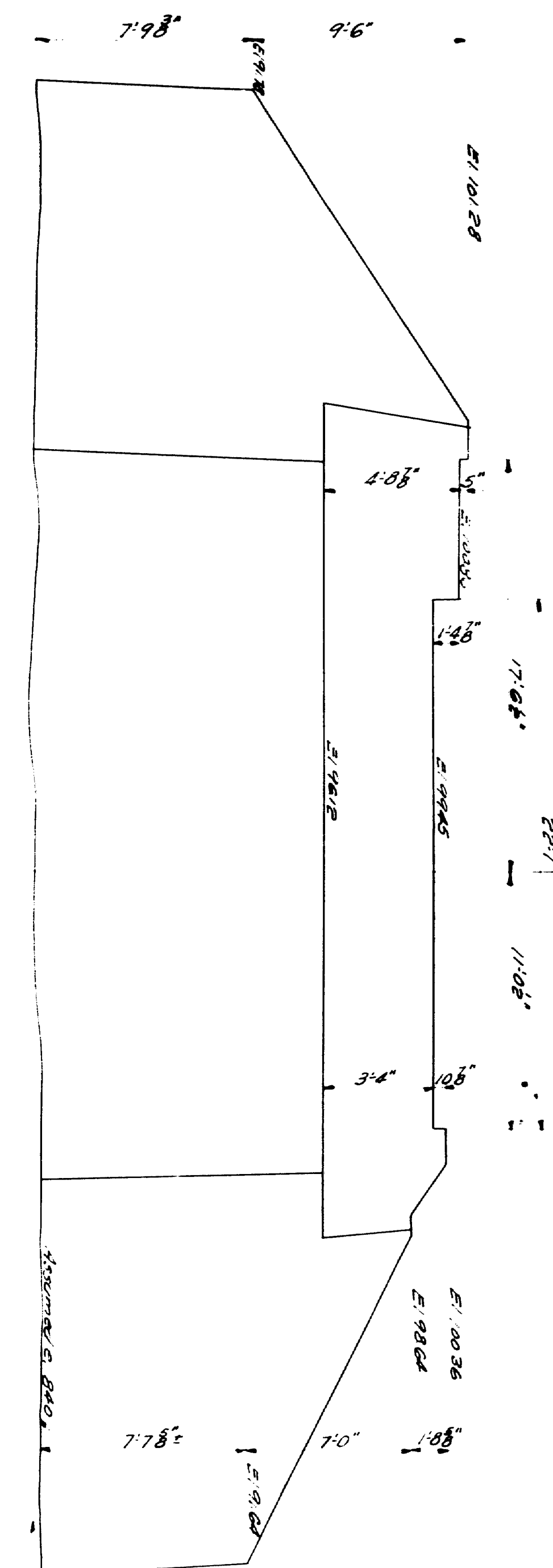
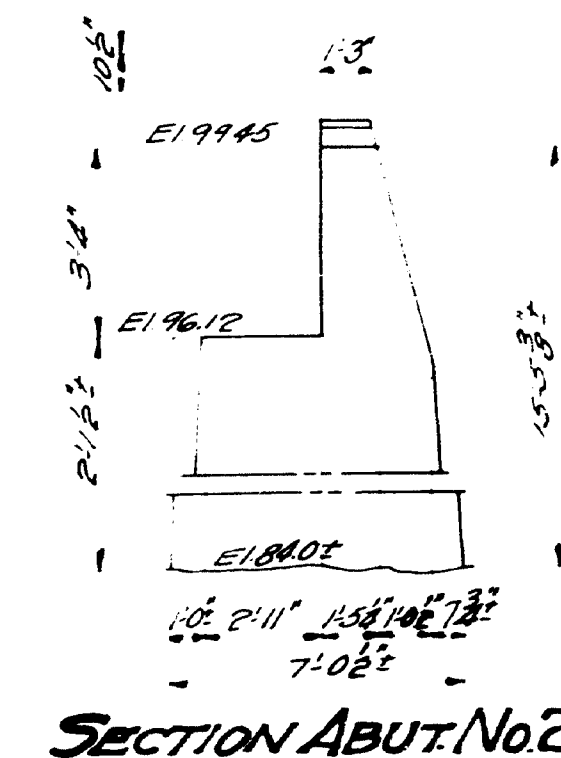
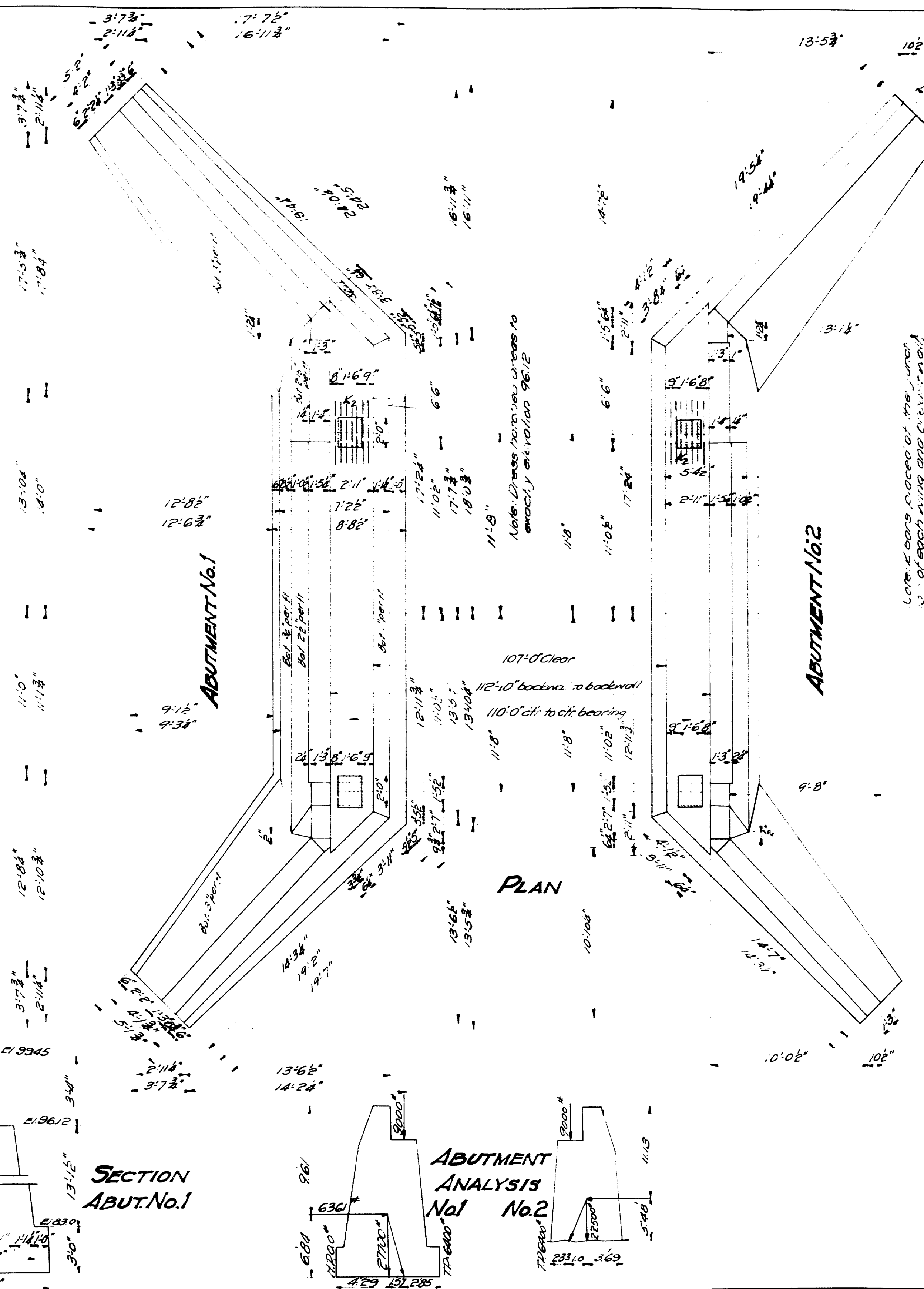
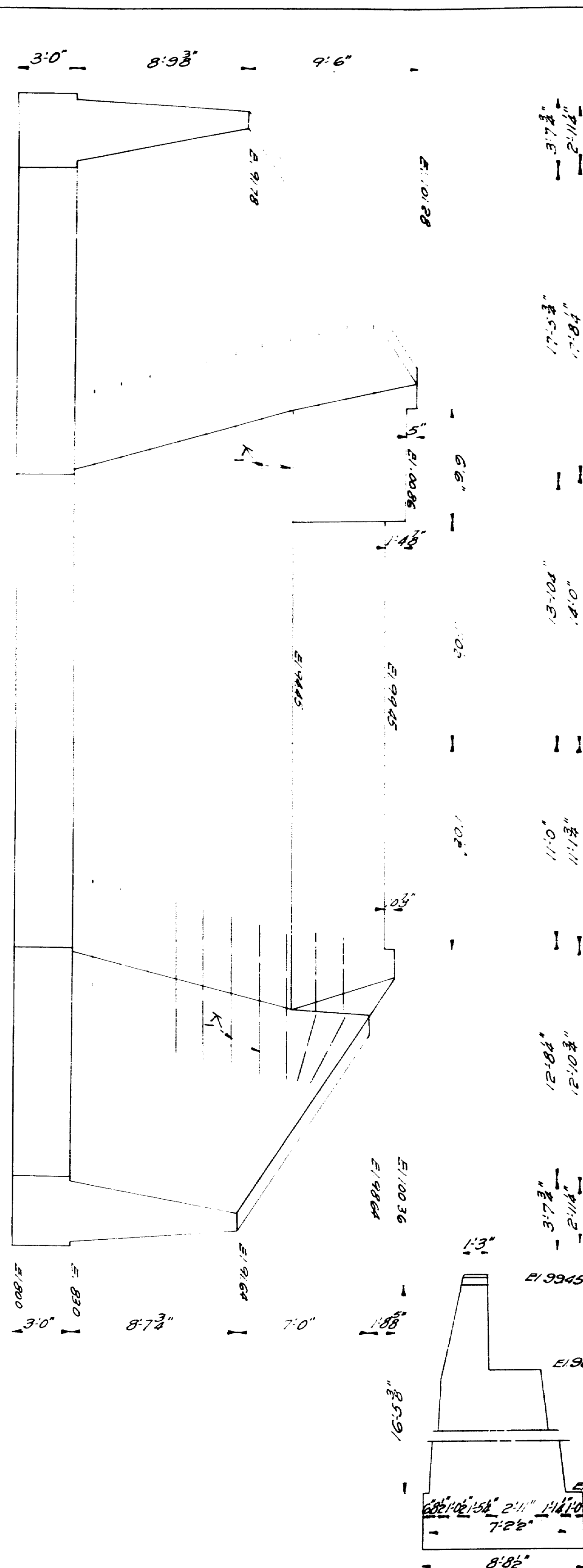
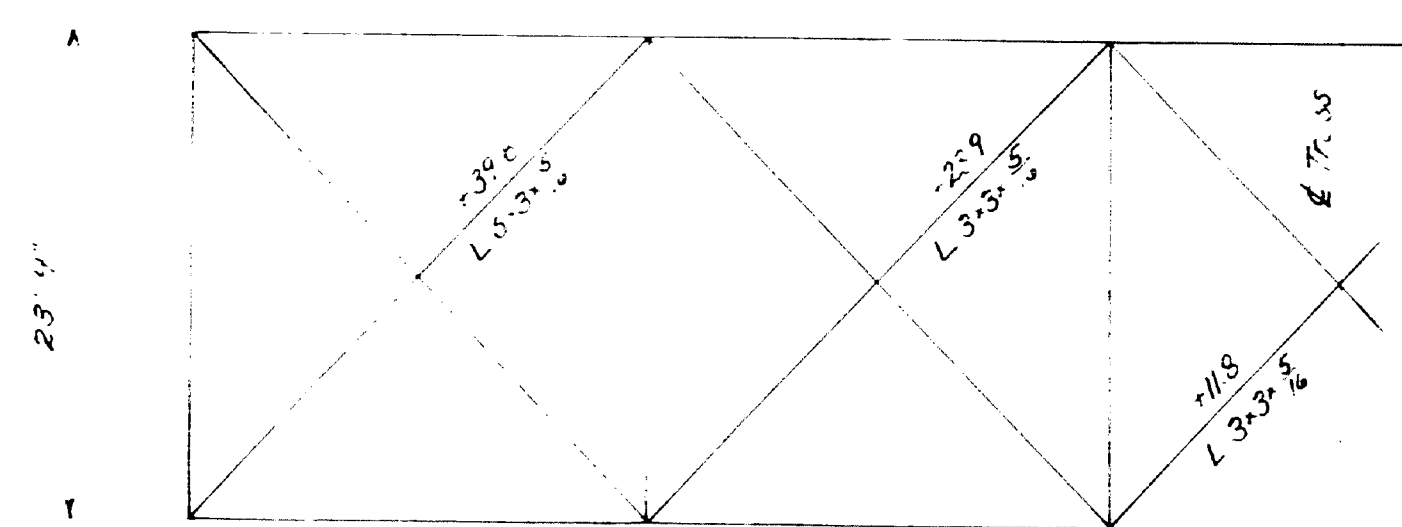




Maine Highway Commission
 Bridge Division
VILLAGE BRIDGE
 over
KENDUSKEAG STREAM
 in the town of
KENDUSKEAG
PENOBSCOT CO.
 SUBSTRUCTURE PLAN
 Sheet 2 of 5 August 10, Me July 12, 1932



STRINGERS
INTERIOR

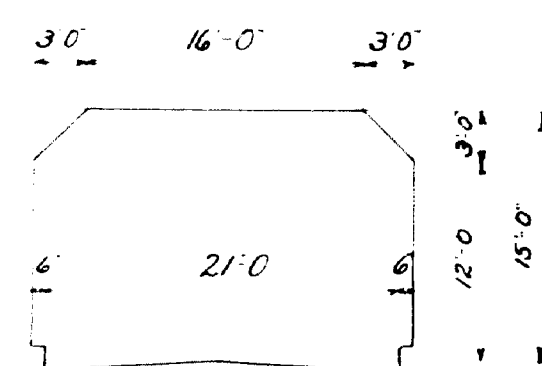
DL 1/4	43,500 ⁰⁰
LL 1/4	117,200
1	34,800
	200,500 ⁰⁰
S	160.3
USE 18" CH 57"	

EXERCISE

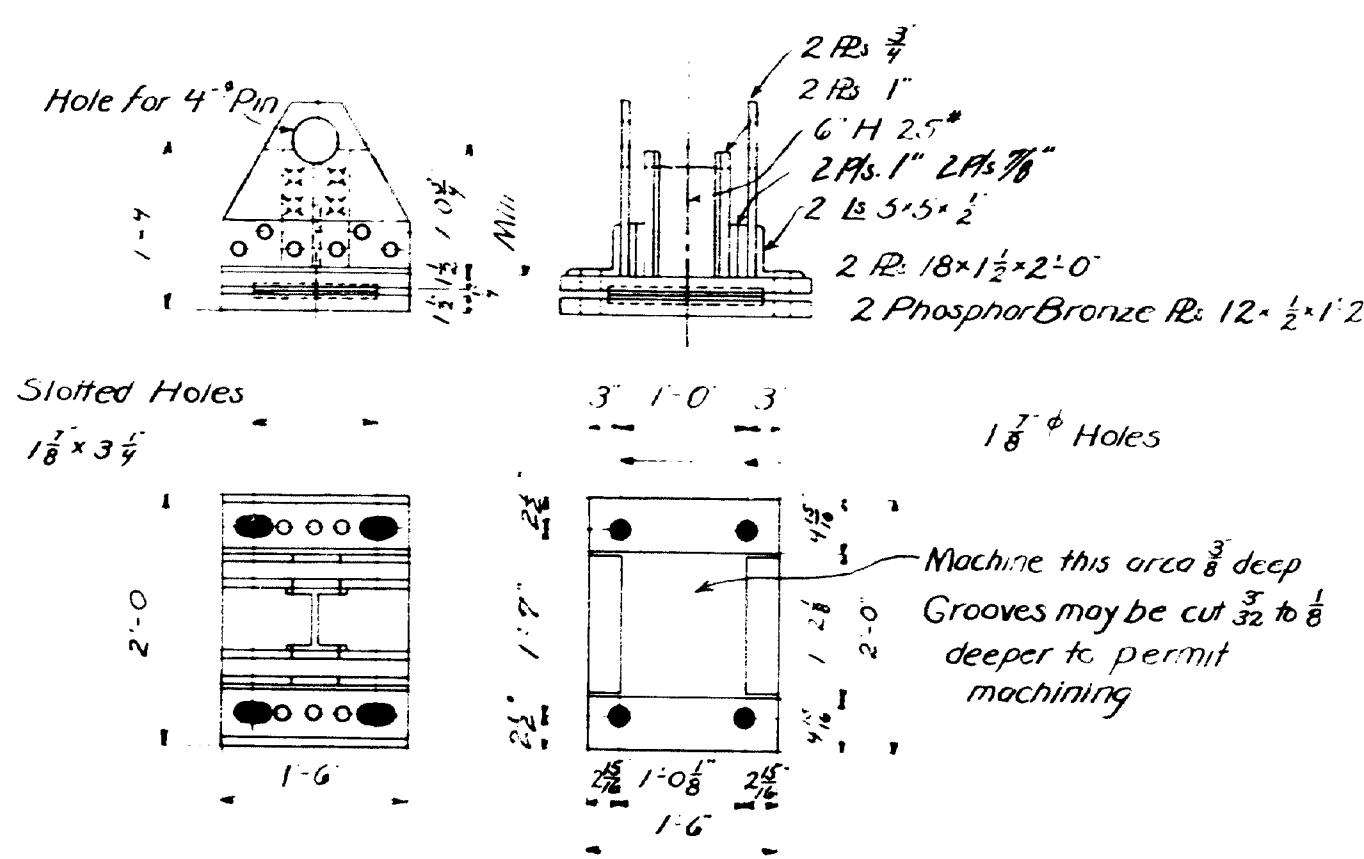
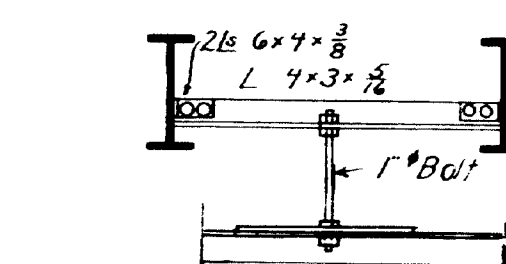
DL M	=	33,600"
LL M	=	99,000 "
I	=	<u>33,600</u>
		166,200
S	=	83.1
USE	18 CB	47"

FLOOR BEAMS

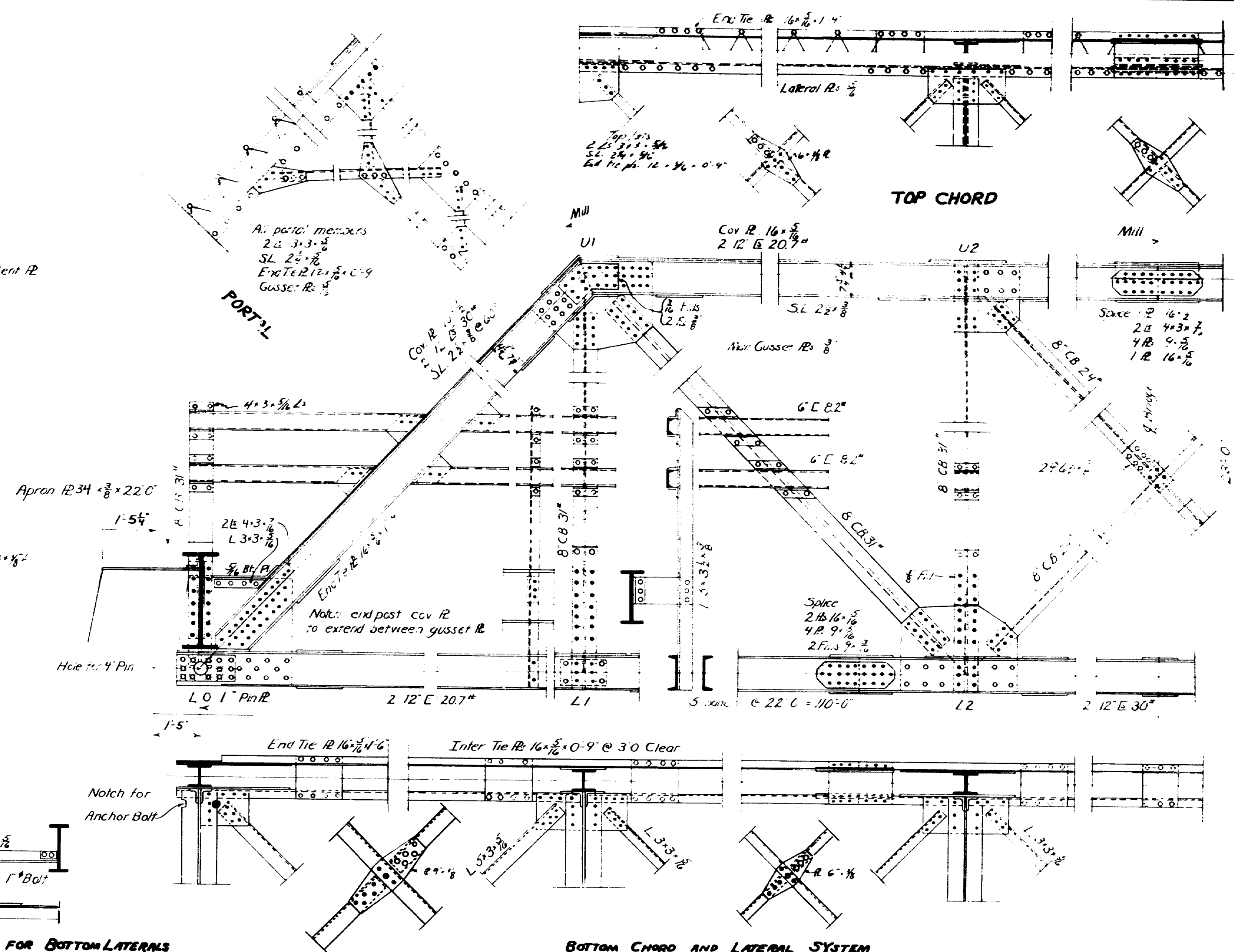
DL M	=	272,000 ^{''}
LL M	=	381,000
I	=	<u>113,000</u>
		766,000 ^{''}
S	=	3820
USE	24 $\frac{1}{2}$ CB	150



END VIEW



PEDESTALS

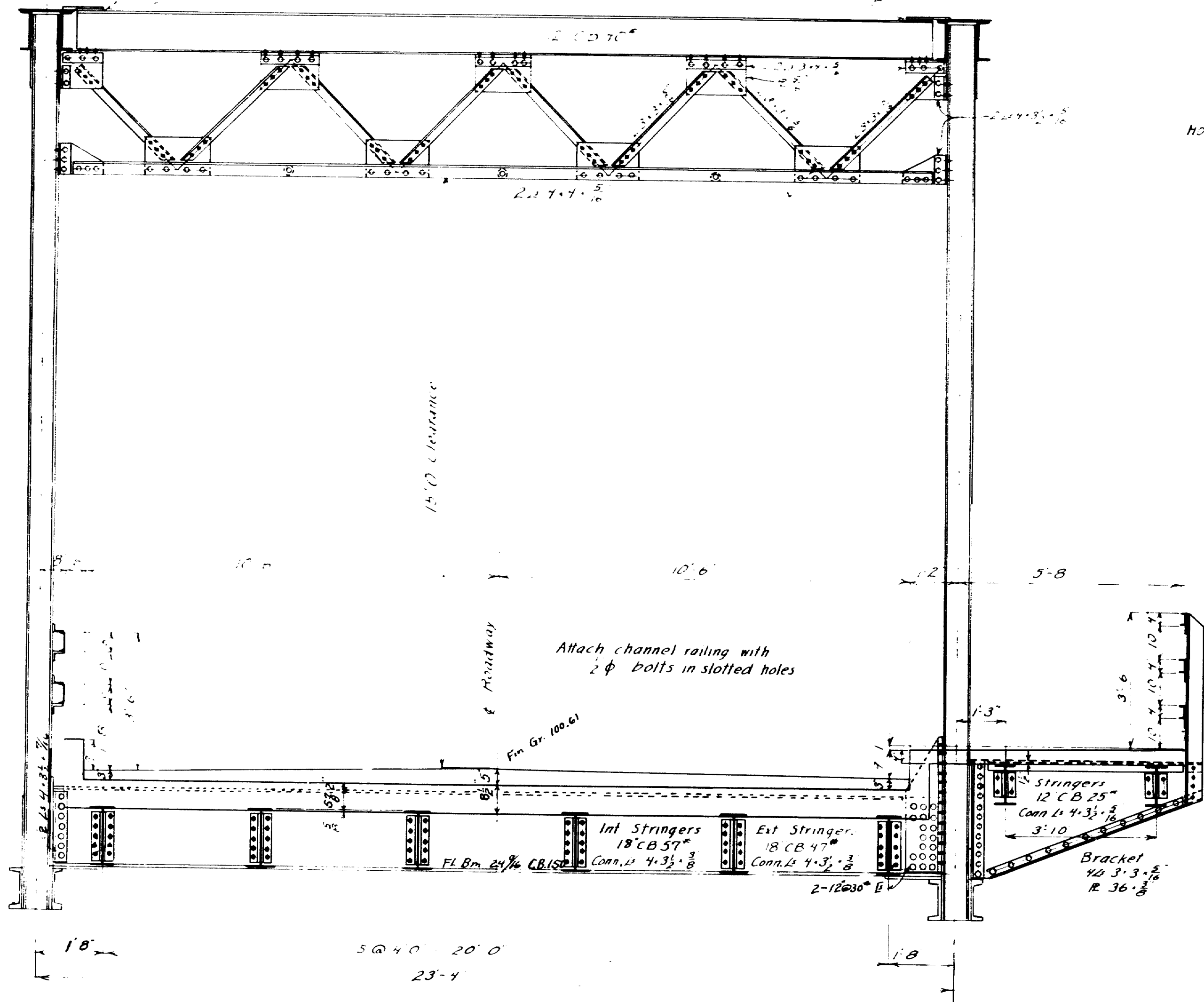


BOTTOM CHORD AND LATERAL SYSTEM

NO. 113
Dead Load = 49,600# per panel
Live Load = H15 Loading + Impact
Wind = 50# per sq ft on 1/2 times the area of bridge seen in elevation.
Live load + Impact stresses have been increased 100%
Wind Load stresses have been increased 50%
Steel stress = 24,000# basis
All field connections of main members to be sub-punctured and
welded to template
All rivets 6" unless noted
Specifications Maine State Highway Commission
Steel Highway Bridges 1930

NOTE:- Anchor Bolts
1- ϕ 1/2" x 1'-11" at each bearing
set 1'-3" in concrete
2- Hex Nuts per bolt.

MAINE HIGHWAY COMMISSION
BRIDGE DIVISION
VILLAGE BRIDGE
OVER
KENDUSKEAG STREAM
IN THE TOWN OF
KENDUSKEAG, PENOBSCOT CO.
ROADWAY TRUSS
Sheet 3 of 5 August 1932



Notes

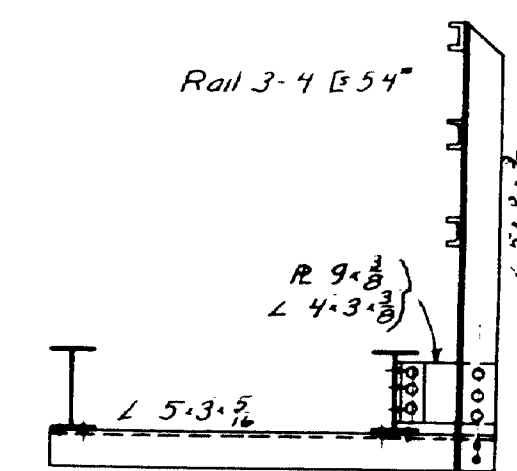
Loading

DL = 61700 " panel

LL = 15 Loading

SWLL $P_1(40 - \frac{3000}{L})(55 - \frac{W}{50})$

L = Length W = width of slab



15°

14

Aug 1

15'

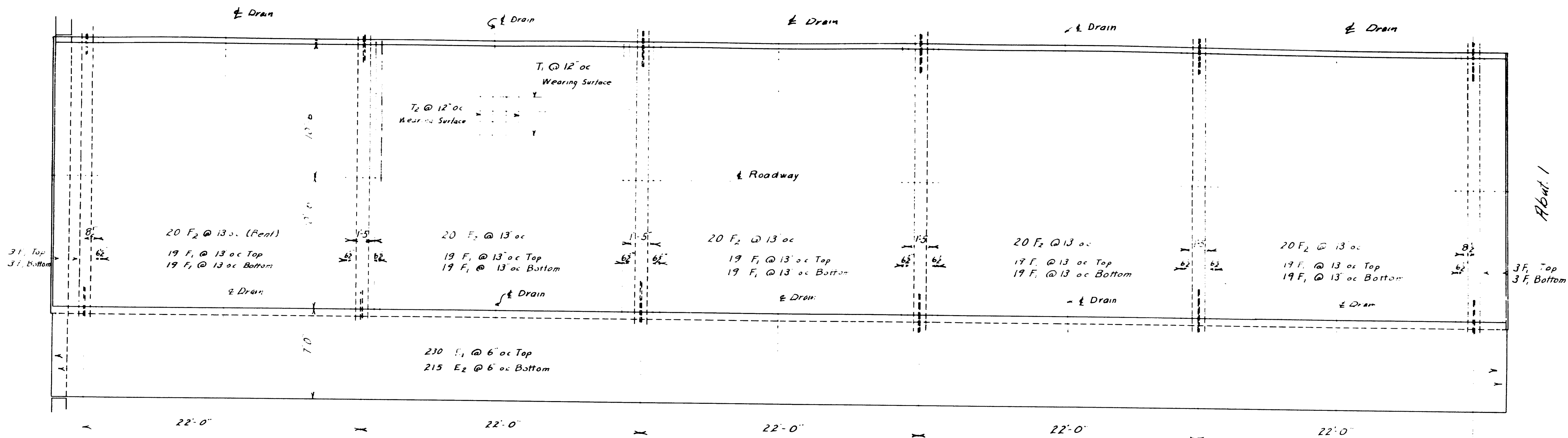
10'

Abut 2

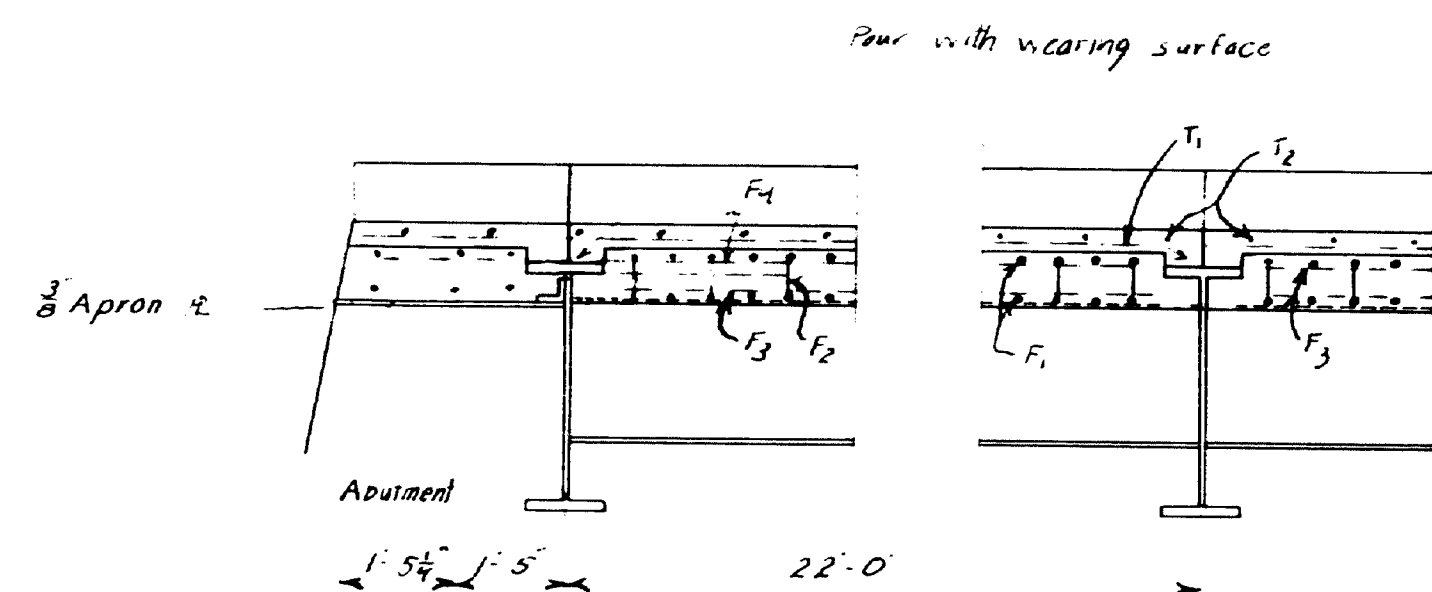
MAINE HIGHWAY COMMISSION
BRIDGE DIVISION
VILLAGE ^{OVER} BRIDGE
KENDUSKEAG STREAM
IN THE TOWN OF
KENDUSKEAG
COUNTY OF
PENOBSCOT
Sidewalk Truss
Sheet 4 of 5 Augusta, Me April 25, 1932

Abut. 2

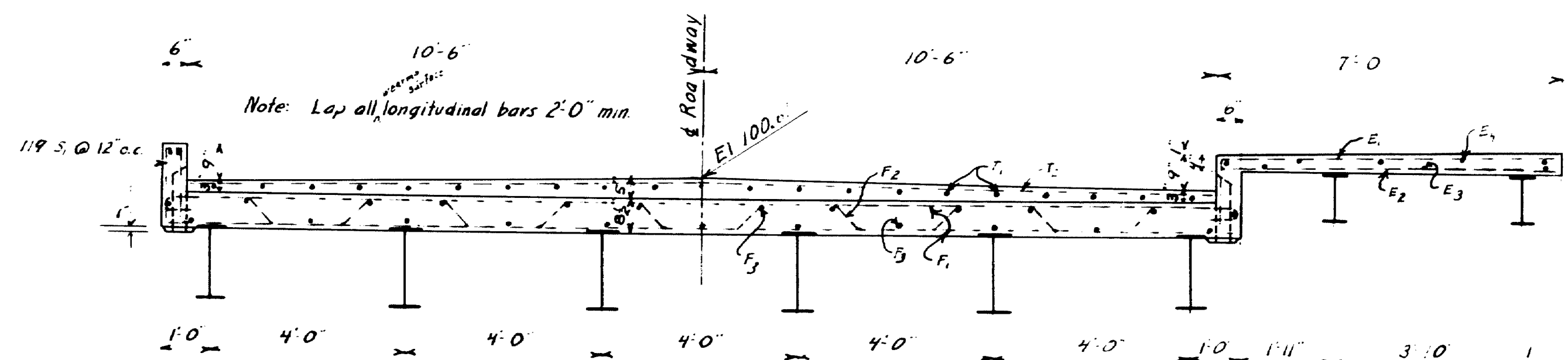
Abut. 1



DECK PLAN

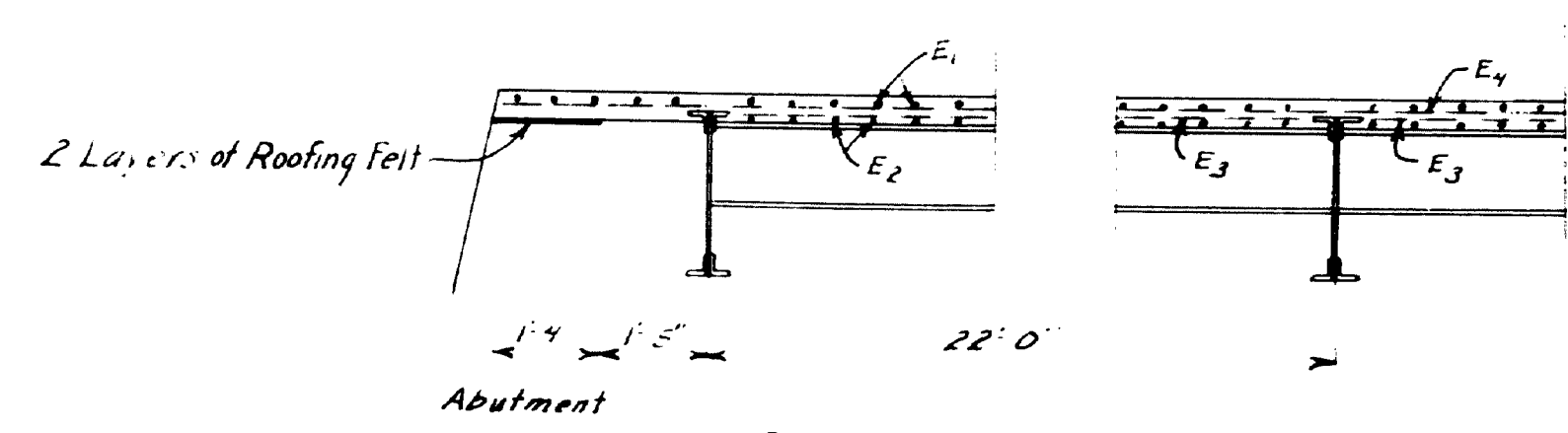


ROADWAY LONGITUDINAL SECTION

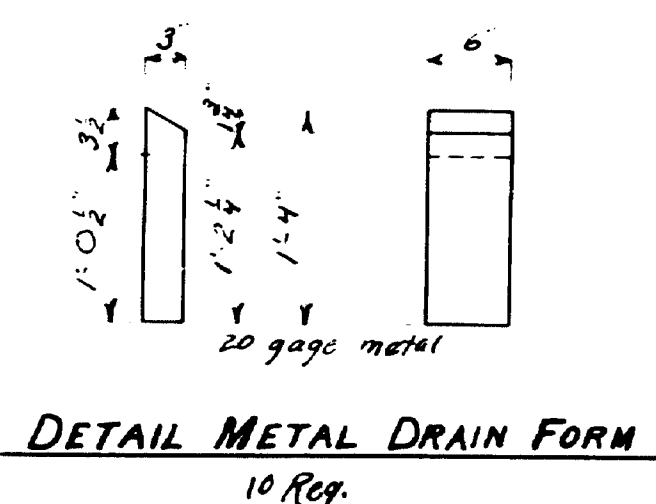


TRANSVERSE SECTION
Looking toward Abut. 1

Detail around Truss Members
Note: Leave 1" clear opening in sidewalk around truss members at all points where they project thru slab. Cut E1 bars at these points to fit. Use splice plates as shown.



SIDEWALK LONGITUDINAL SECTION

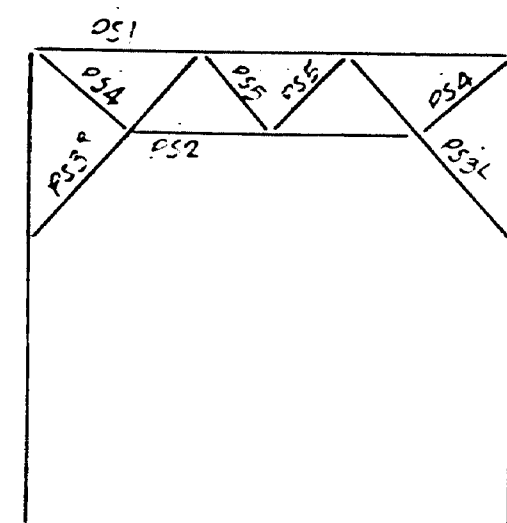


DETAIL METAL DRAIN FORM
10 Req.

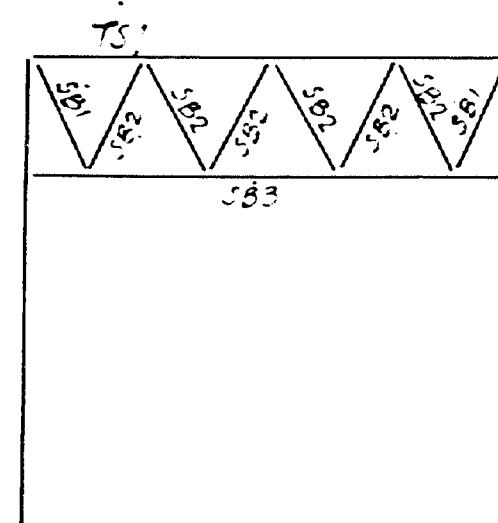
REINFORCING STEEL SCHEDULE									
STRAIGHT BARS					BENT BARS				
Number	Mark	Size	Length	Location	Number	Mark	Size	Length	Bending Diagram
202	F1	3/4"	21'-8"	Row 1 Slab	230	E1	3/8"	8'-0"	
91	F3	3/4"	20'-10"	"					
24	F4	3/4"	23'-8"	Long. End panels					
215	E1	3/8"	6'-8"	SW Slab					
15	E2	3/8"	21'-0"	"					
15	E3	3/8"	40'-0"	"					
6	C1	3/4"	40'-0"	Curb					
63	T1	3/4"	40'-0"	Wear Surface					
119	T2	3/4"	20'-10"	"					
56	K1	3/4"	8'-0"	Abutments					
12	K2	3/4"	4'-0"	"					

All reinforcing plain round bars of structural grade steel
All dimensions to 1/4" of bars.

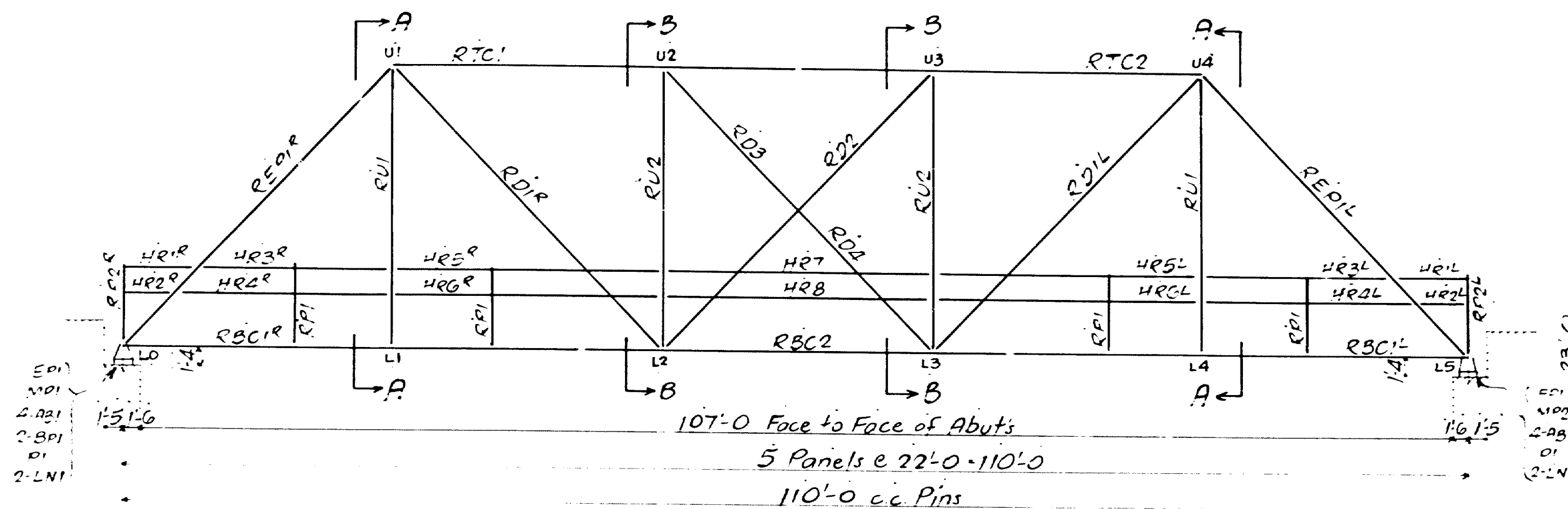
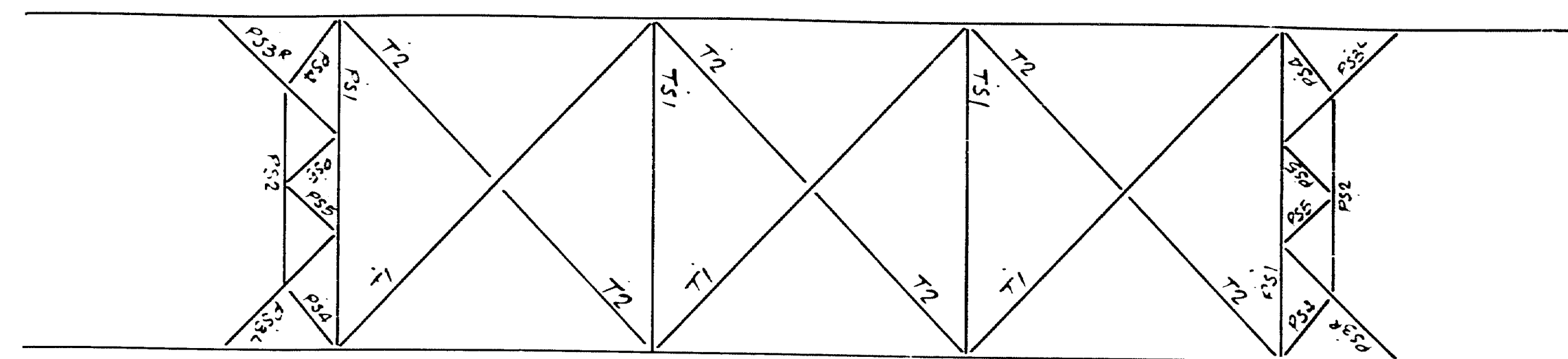
Town 10-35
Bridge 2975
MAINE HIGHWAY COMMISSION
BRIDGE DIVISION
VILLAGE BRIDGE
OVER
KENDUSKEAG STREAM
IN THE TOWN OF
KENDUSKEAG
PENOBSCOT COUNTY
Concrete Deck Details
Sheet 5 of 5 August, Me. April 18, 1932



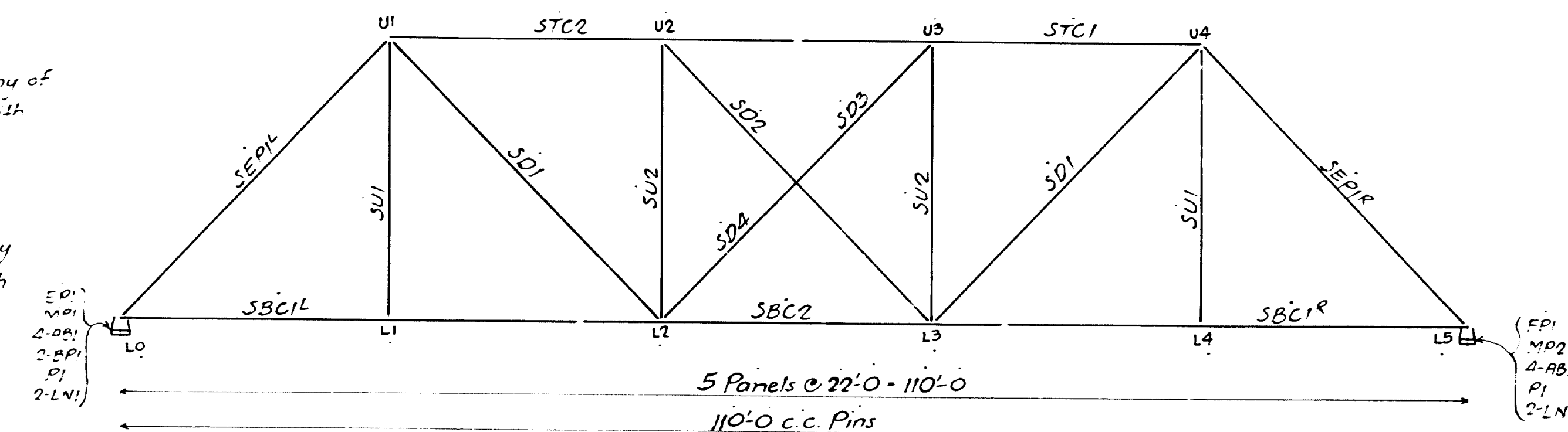
SECTION A-A



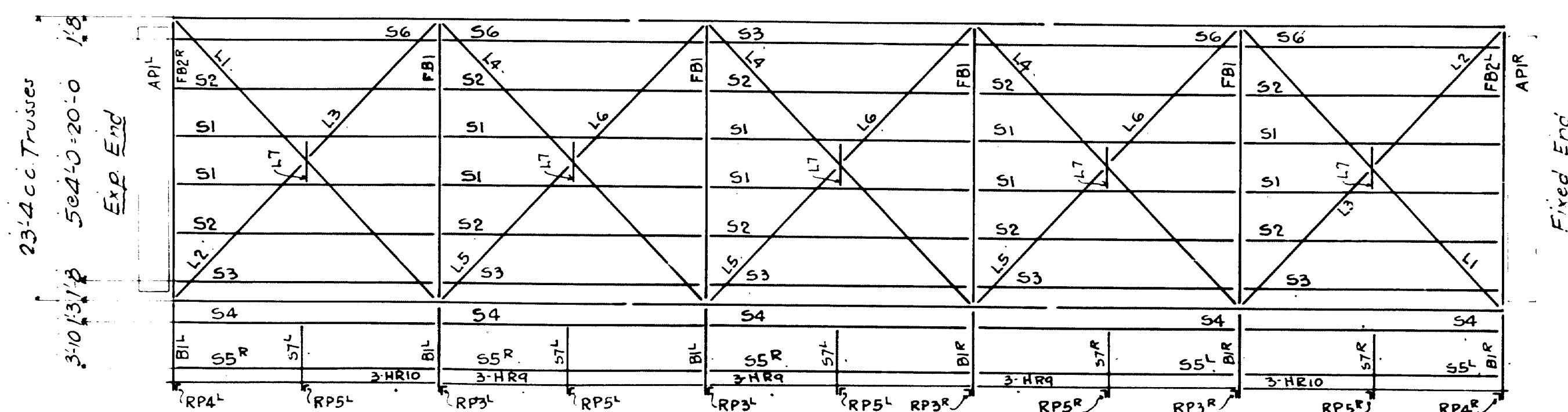
SECTION B-B



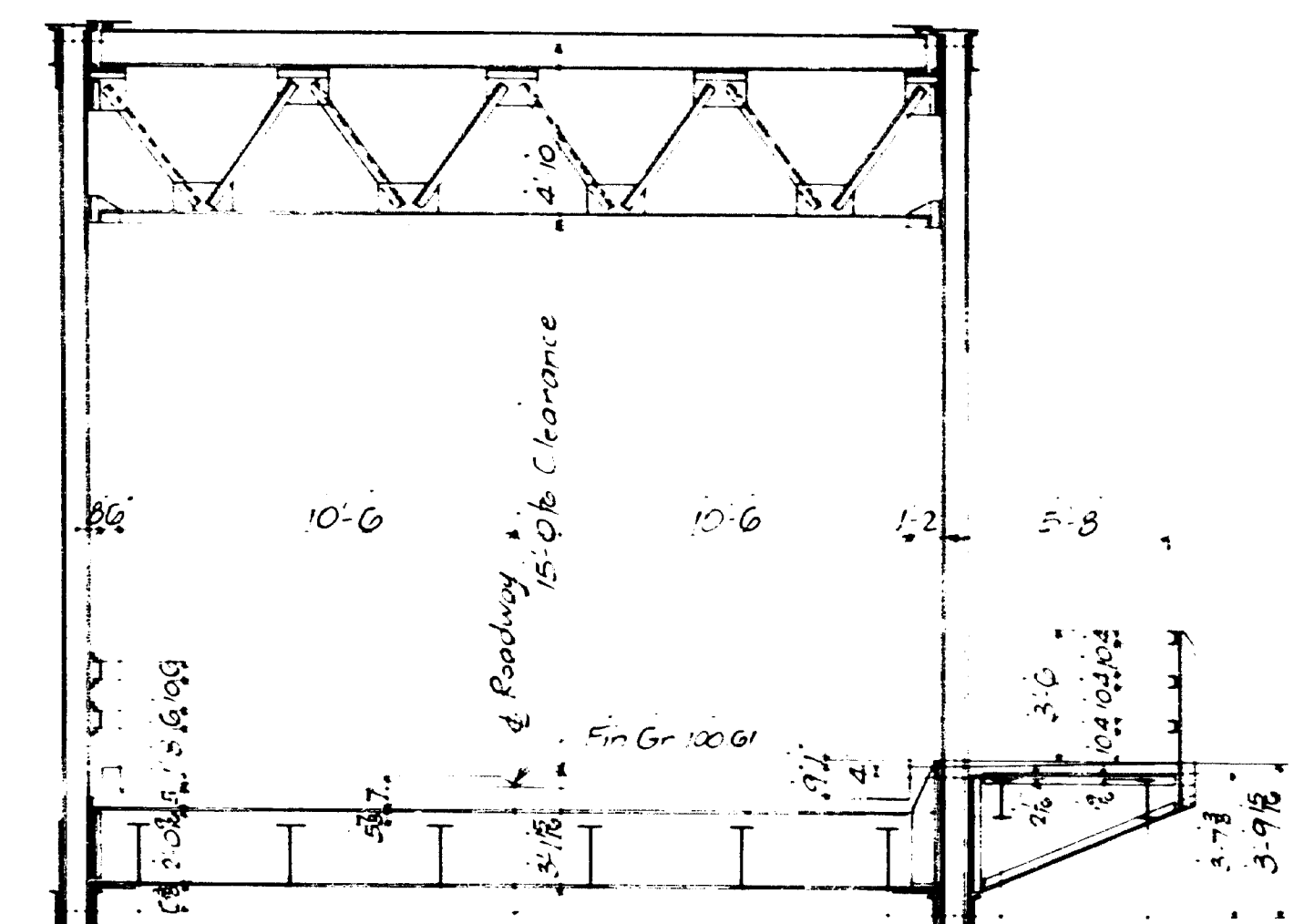
ROADWAY TRUSS



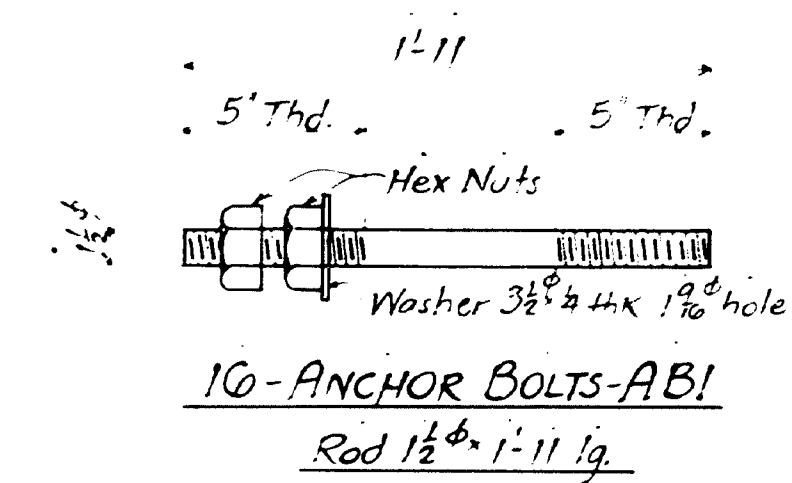
SIDEWALK TRUSS



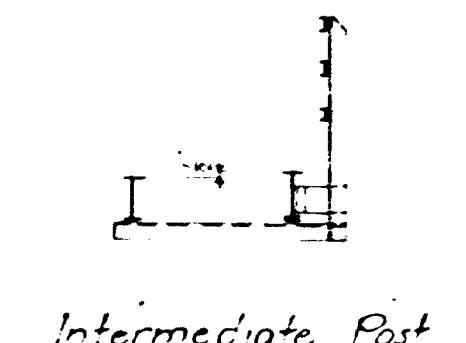
BOTTOM VIEW



TYPICAL SECTION



10-ANCHOR BOLTS-AB1
Rod 1 1/2" x 11 lg.



Intermediate Post

Notes:

Specifications: State of Maine for Steel Highway Bridges 1930.

All main material forming parts of a member composed of not more than 5 thicknesses of metal, may be punched to larger than the nominal diameter of the rivets, wherever the thickness of the metal is not greater than 3/4 inch. When there are more than 5 thicknesses, or when any of main material is thicker than 3/4 inch, all of the holes shall be punched with a punch 3/8 smaller, and after assembling reamed to larger than the nominal diameter of the rivets, except that when the metal is thicker than the diameter of the rivet the holes shall be drilled.

Field connections, except those for lateral, longitudinal and sway bracing shall be subjoined and reamed to a metal template, or else with care assembled.

Sheared edges of plates more than 5/8 in thickness and carrying calculated stress shall be planed to a depth of 3/4 inch. Reentrant cuts shall be filleted before cutting. Gussets are not to be planed.

Steel Paint:

One coat of paint as per specifications except surfaces to be riveted in contact either in the shop or field shall not be painted. Surfaces not in contact but which will be inaccessible after assembly or erection shall be painted 2 coats.

Paint to be 95% Red Lead.

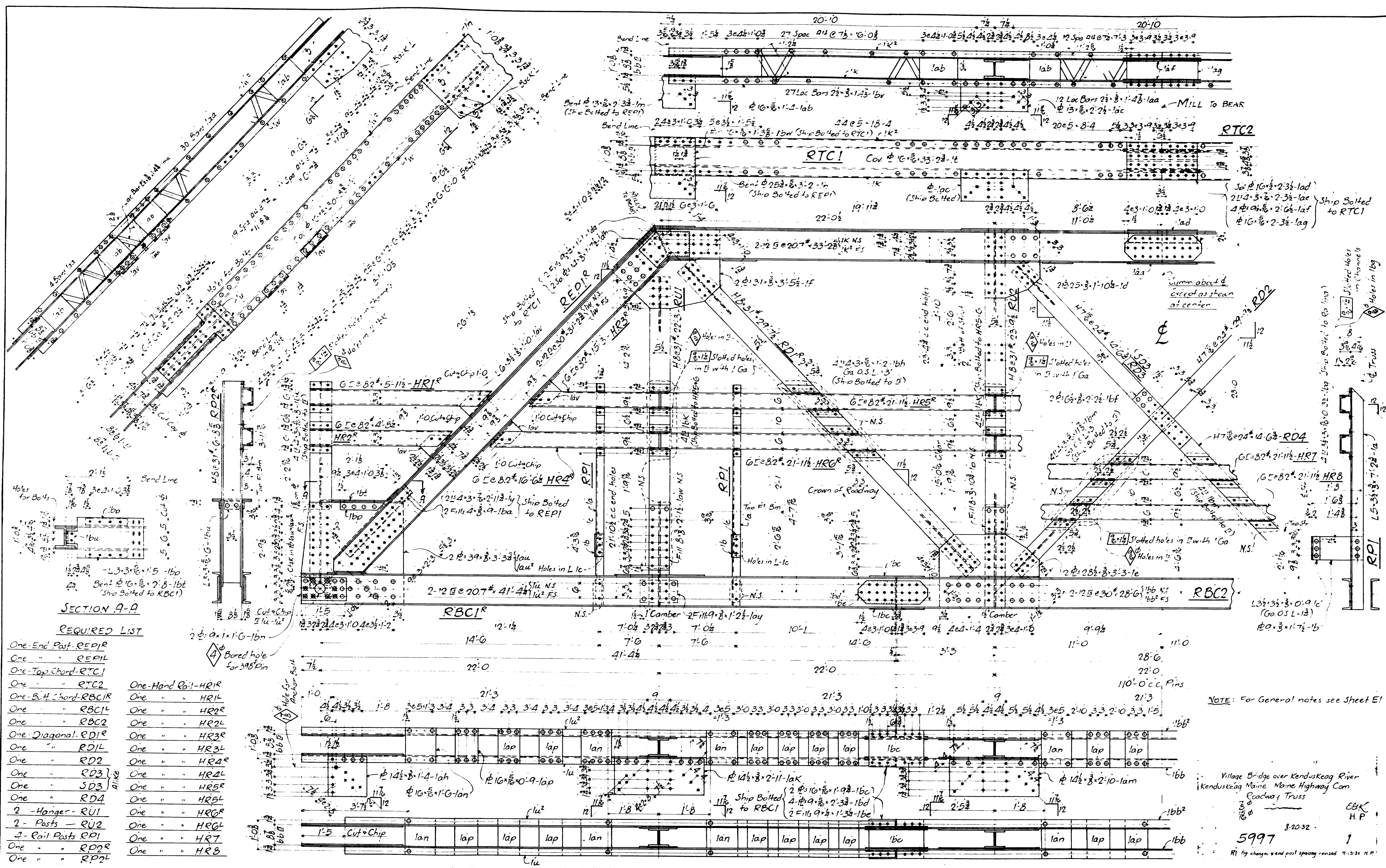


Village Bridge over Kenduskeag River
Kenduskeag Maine, Maine Highway Comm
Erection Plan

5997

EBK
HP

E1



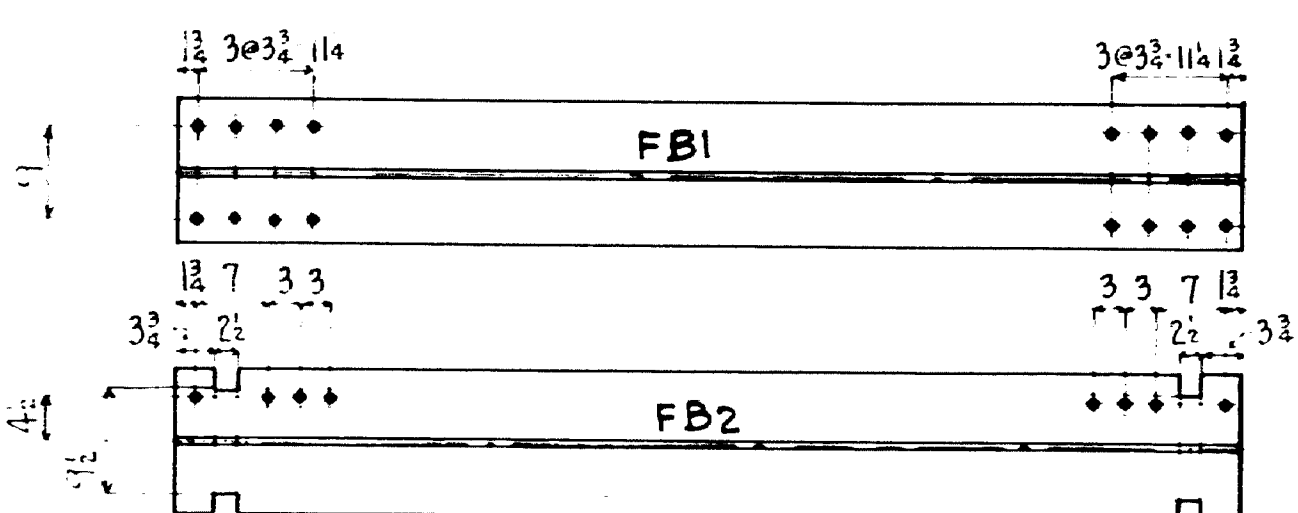
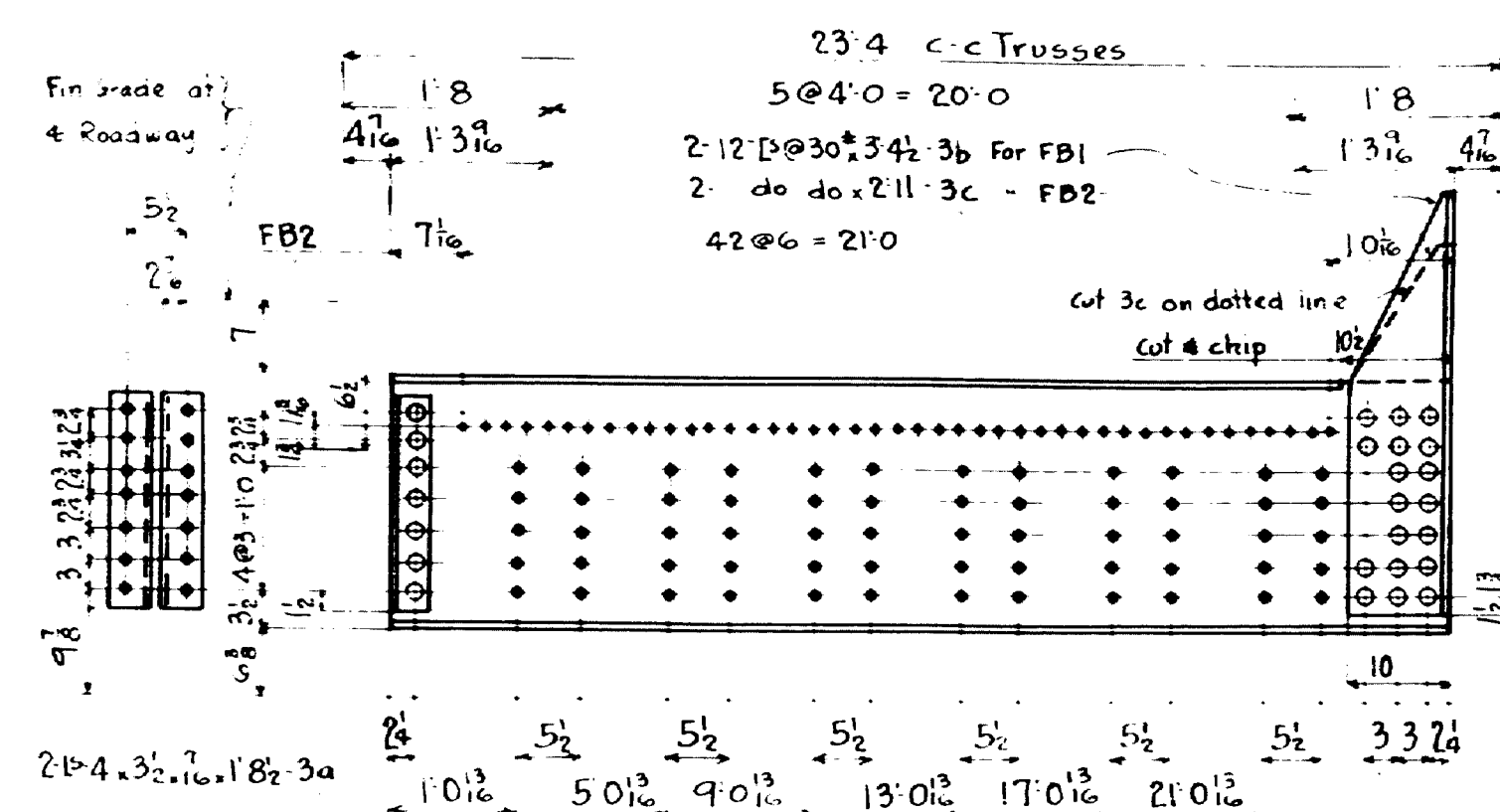
SECTION A-A

REQUIRED LIST

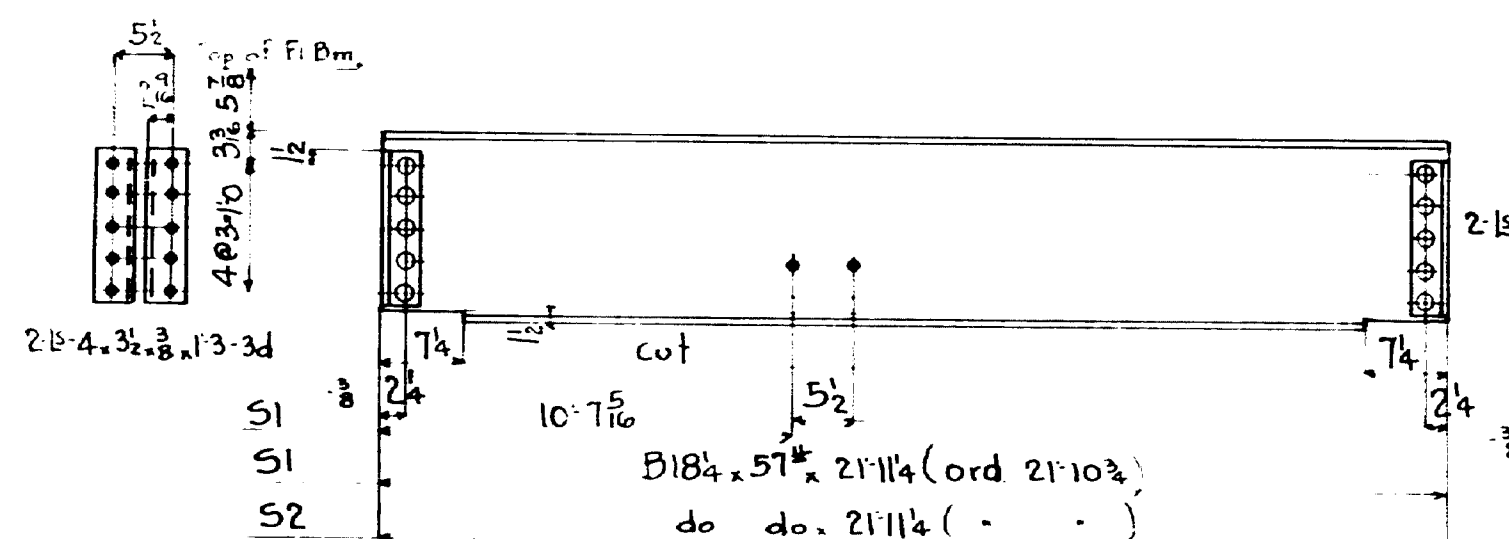
- | | |
|------------------------|--------------------|
| One End Post REP1R | One Hand Rail-HR1R |
| One " REP1L | One " HR1L |
| One Top Chord-RTC1 | One " HR2R |
| One " RTC2 | One " HR2L |
| One Bottom Chord-RBC1R | One " HR3R |
| One " RBC1L | One " HR3L |
| One " RBC2 | One " HR4R |
| One Diagonal-RD1R | One " HR4L |
| One " RD1L | One " HR5R |
| One " RD2 | One " HR5L |
| One " RD3 | One " HR6R |
| One " RD4 | One " HR6L |
| 2 Hanger-RU1 | One " HR7 |
| 2 Posts-RU2 | One " HR8 |
| 4 Rail Posts-RO1 | |
| One " RO2R | |
| One " RO2L | |

NOTE: For General notes see Sheet E1

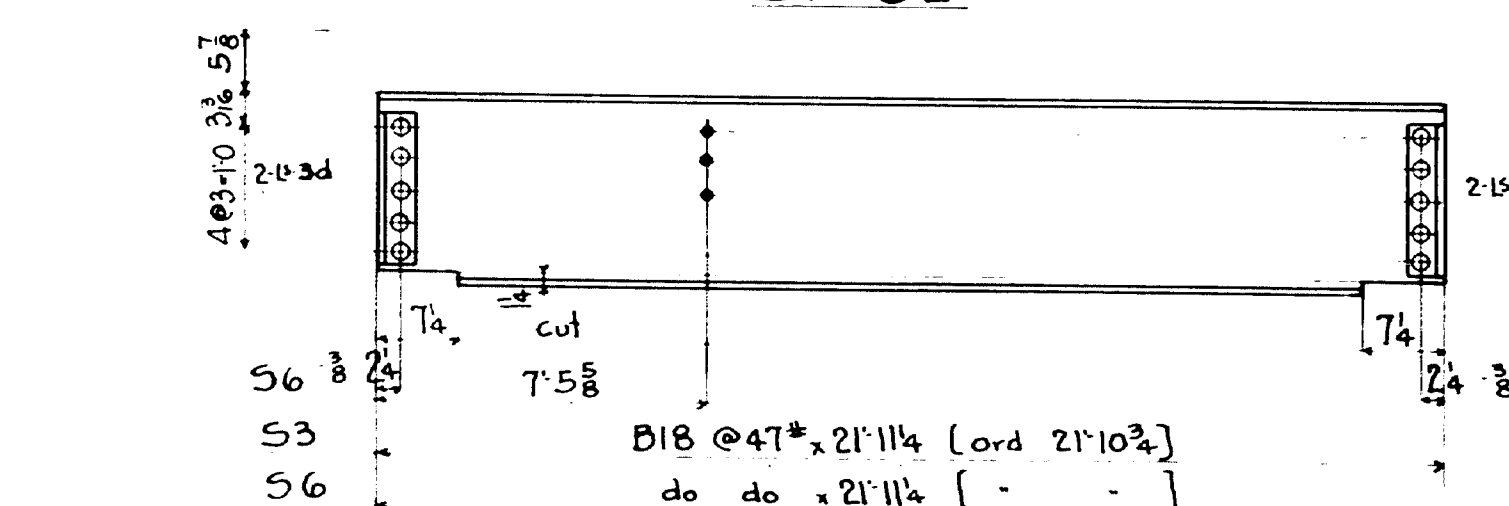
Village Bridge over Kenduskeag River
Kenduskeag Maine. Maine Highway Com.
Roadway Truss
8-20-32
5997
R1 fig changes and post spacing revised 9-1-31 H.P.



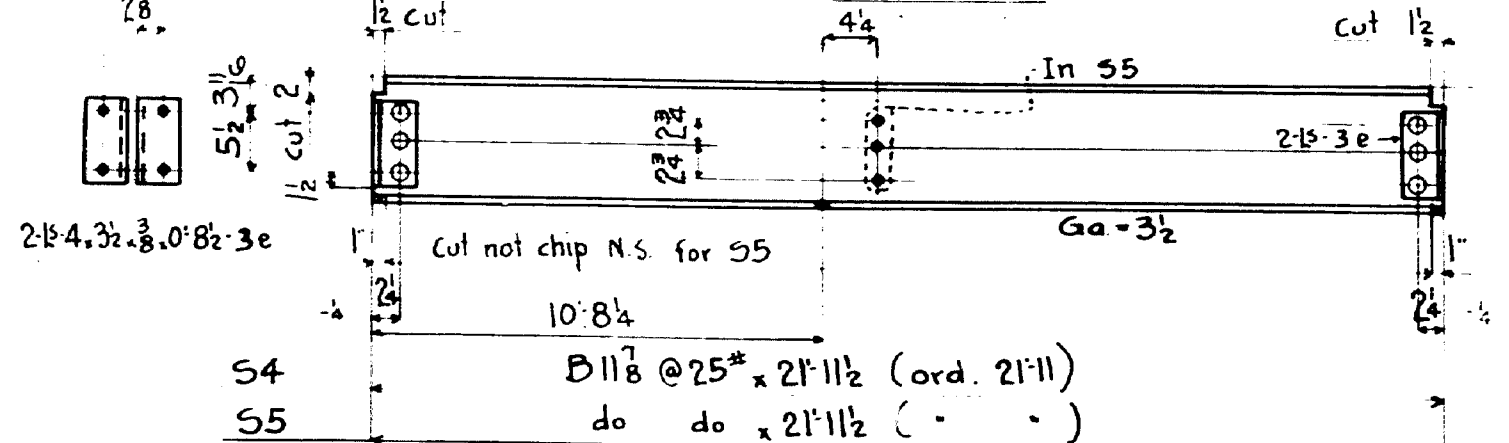
FB1
FB2
G 24" @ 150" 22'7 1/2" (ord 22'6 1/2")
do do 22'7 1/2" ()
FB1 - FB2R



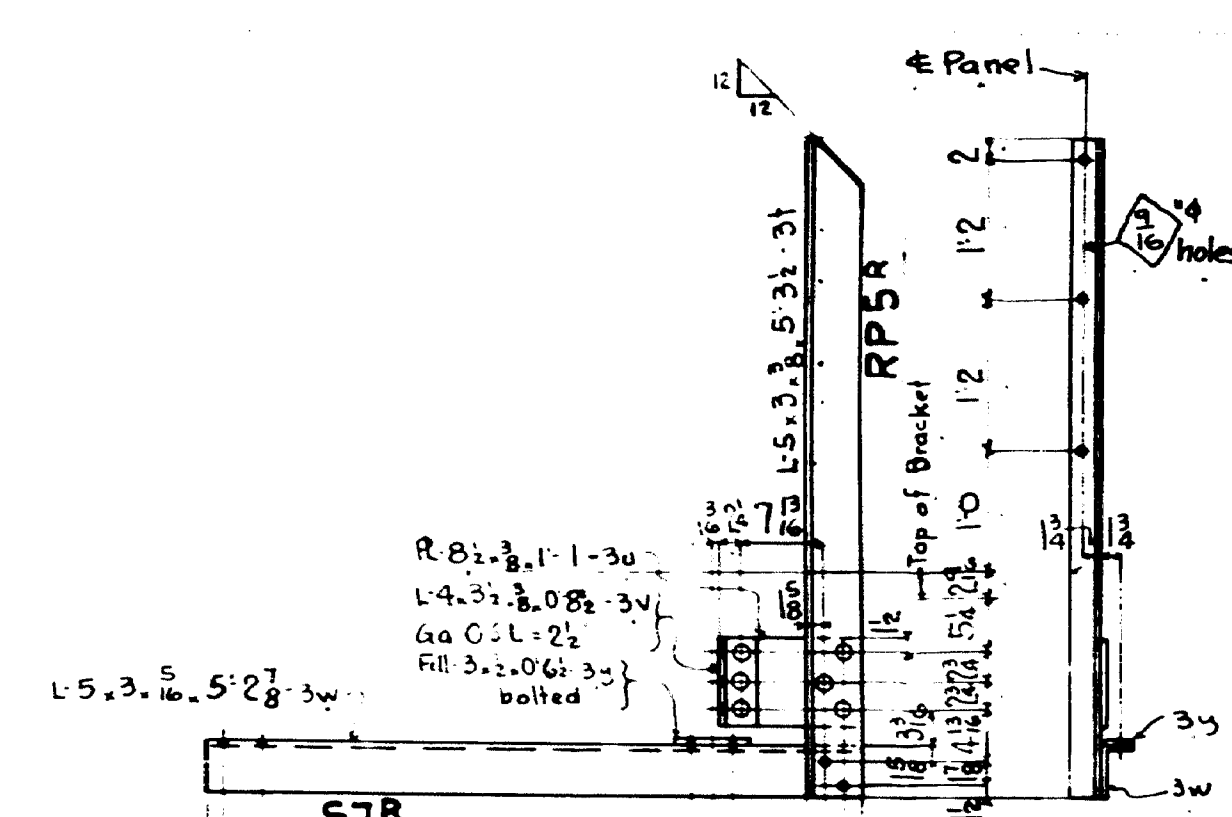
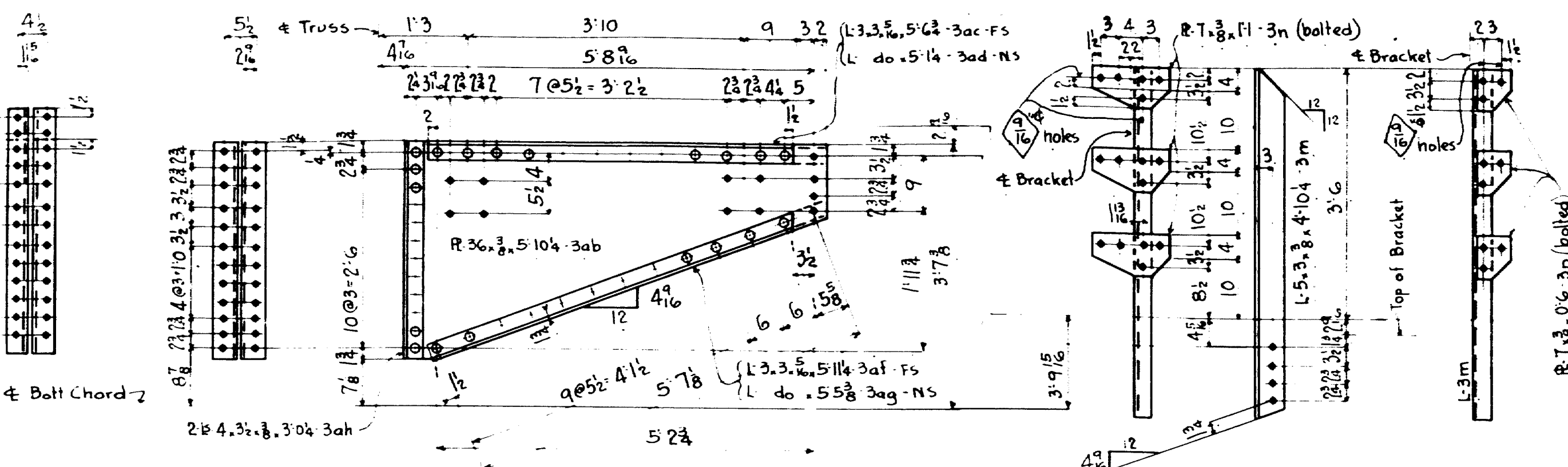
S1 - S2



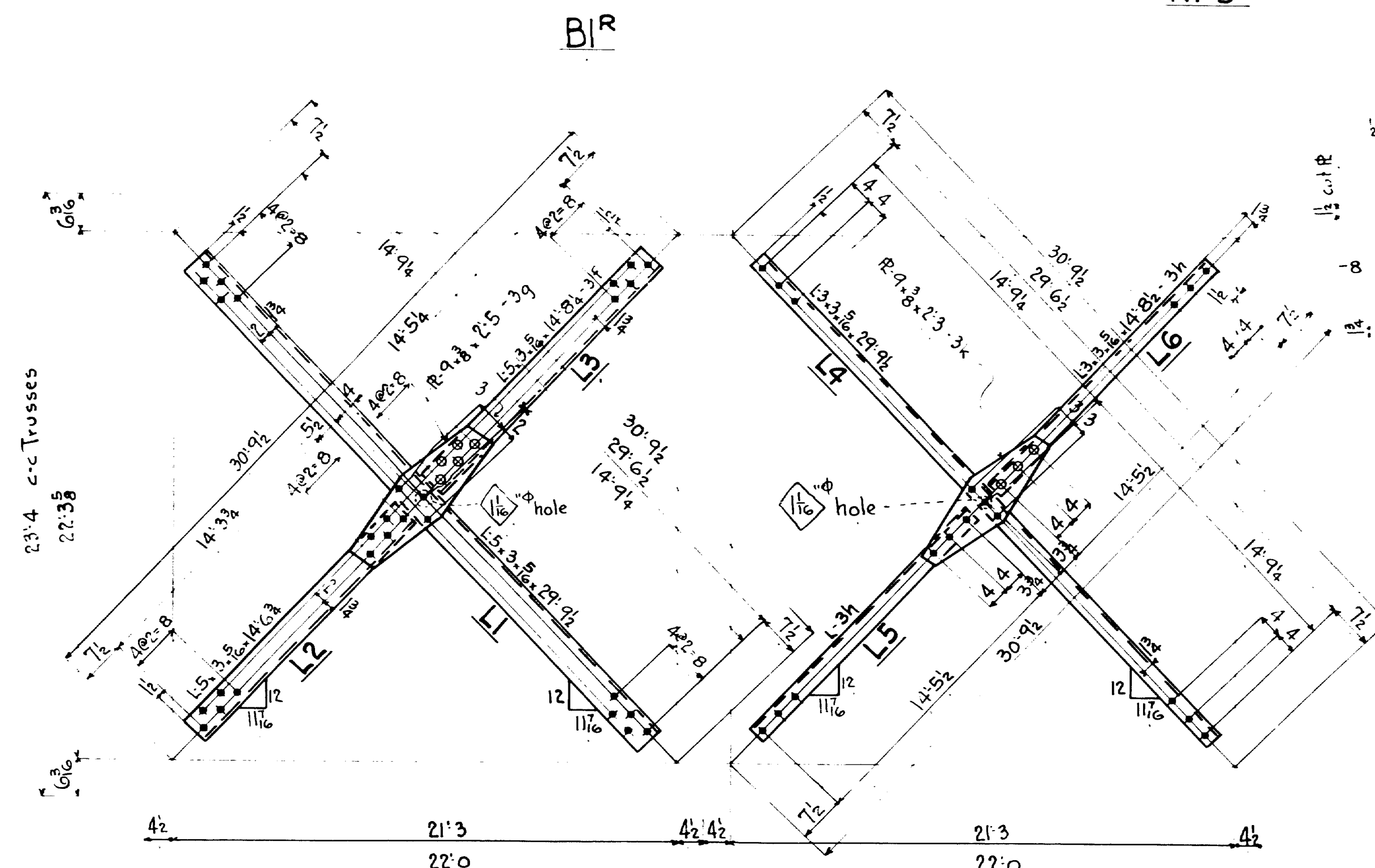
S3 - S4



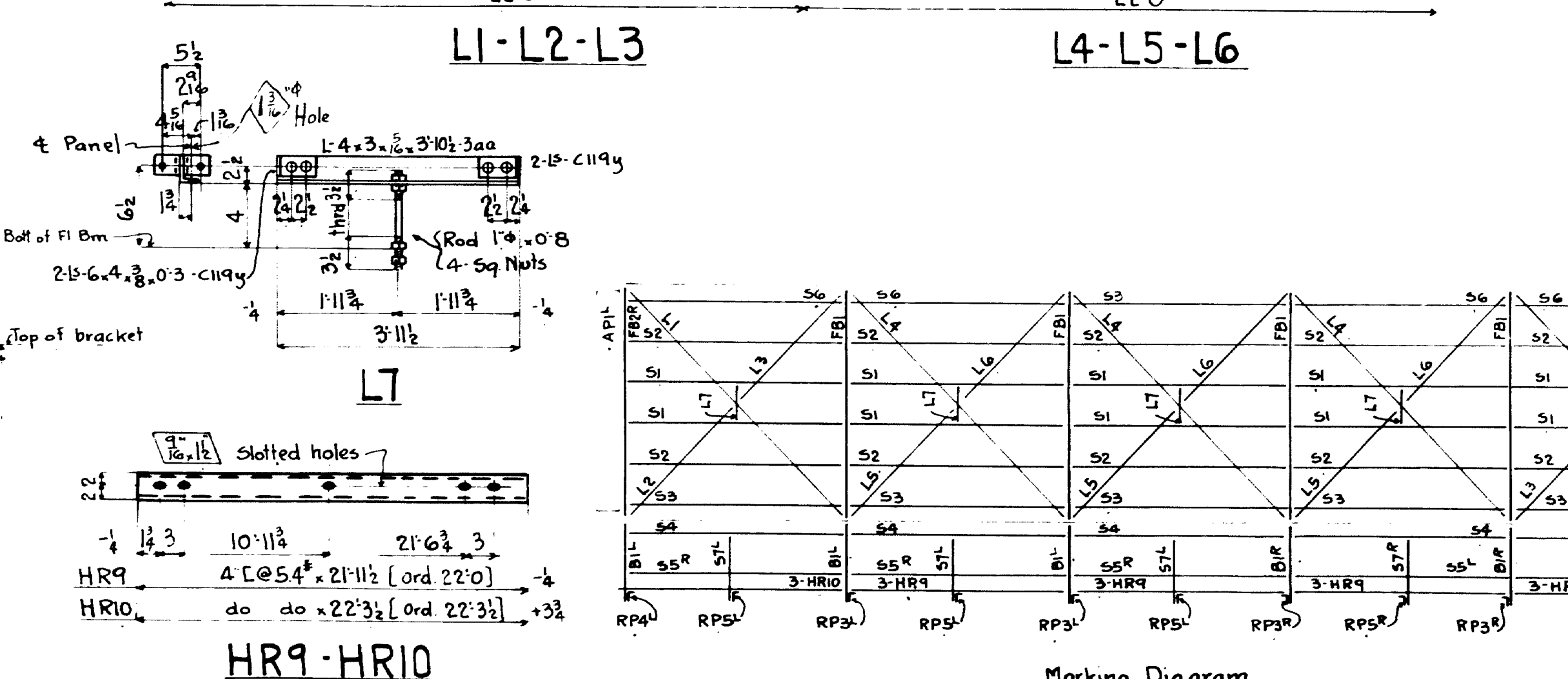
S5 - S6R



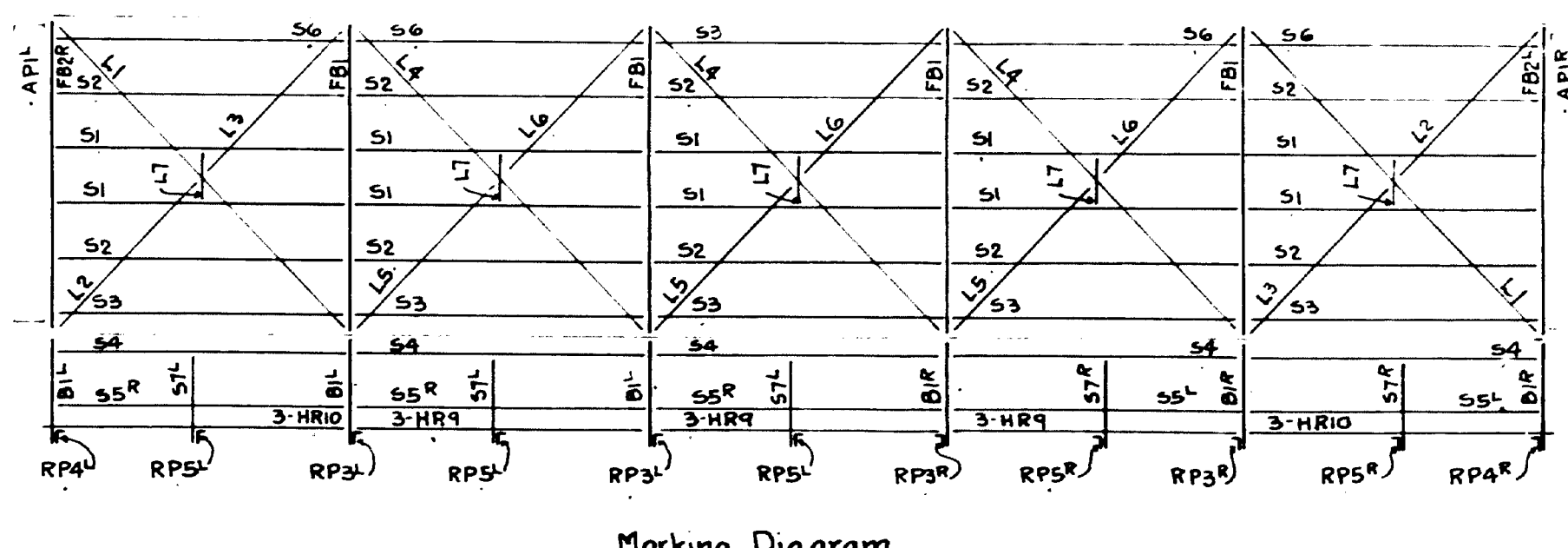
RP5R



APIR



HR9 - HR10

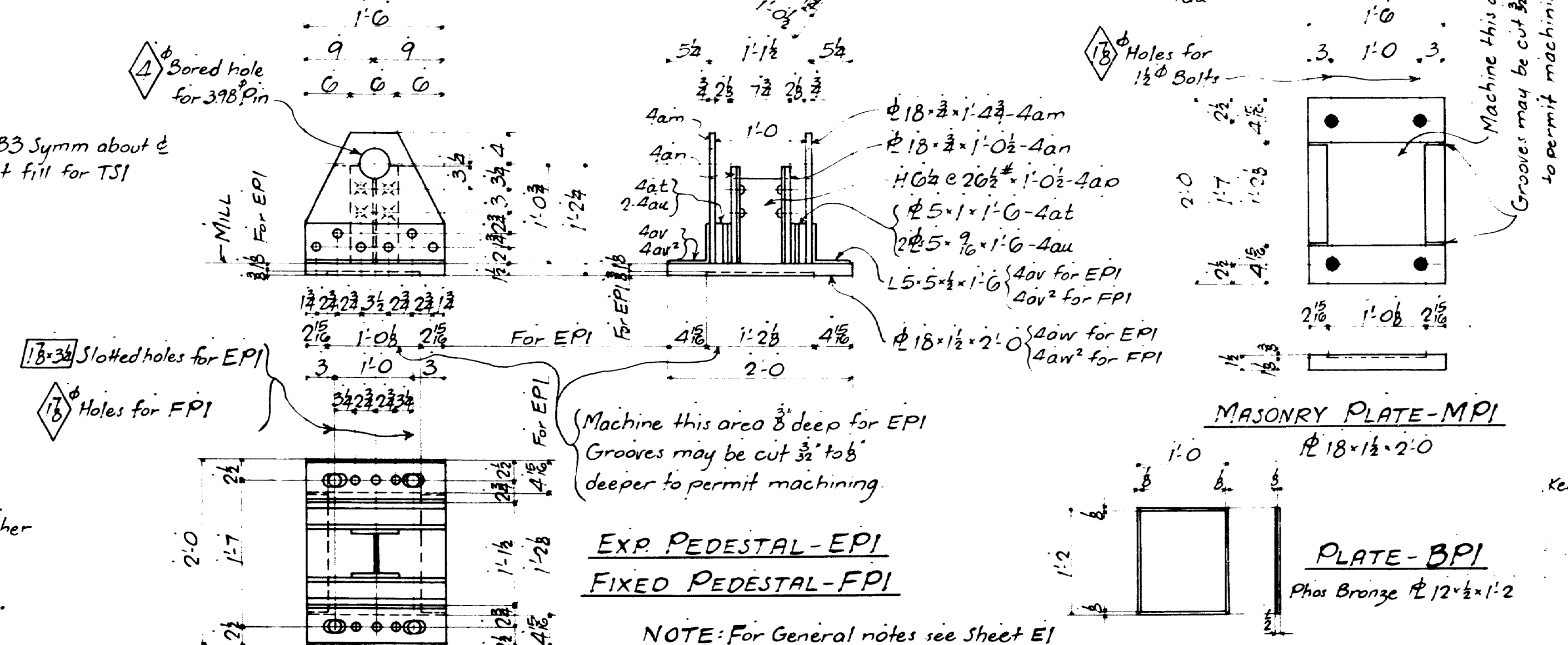
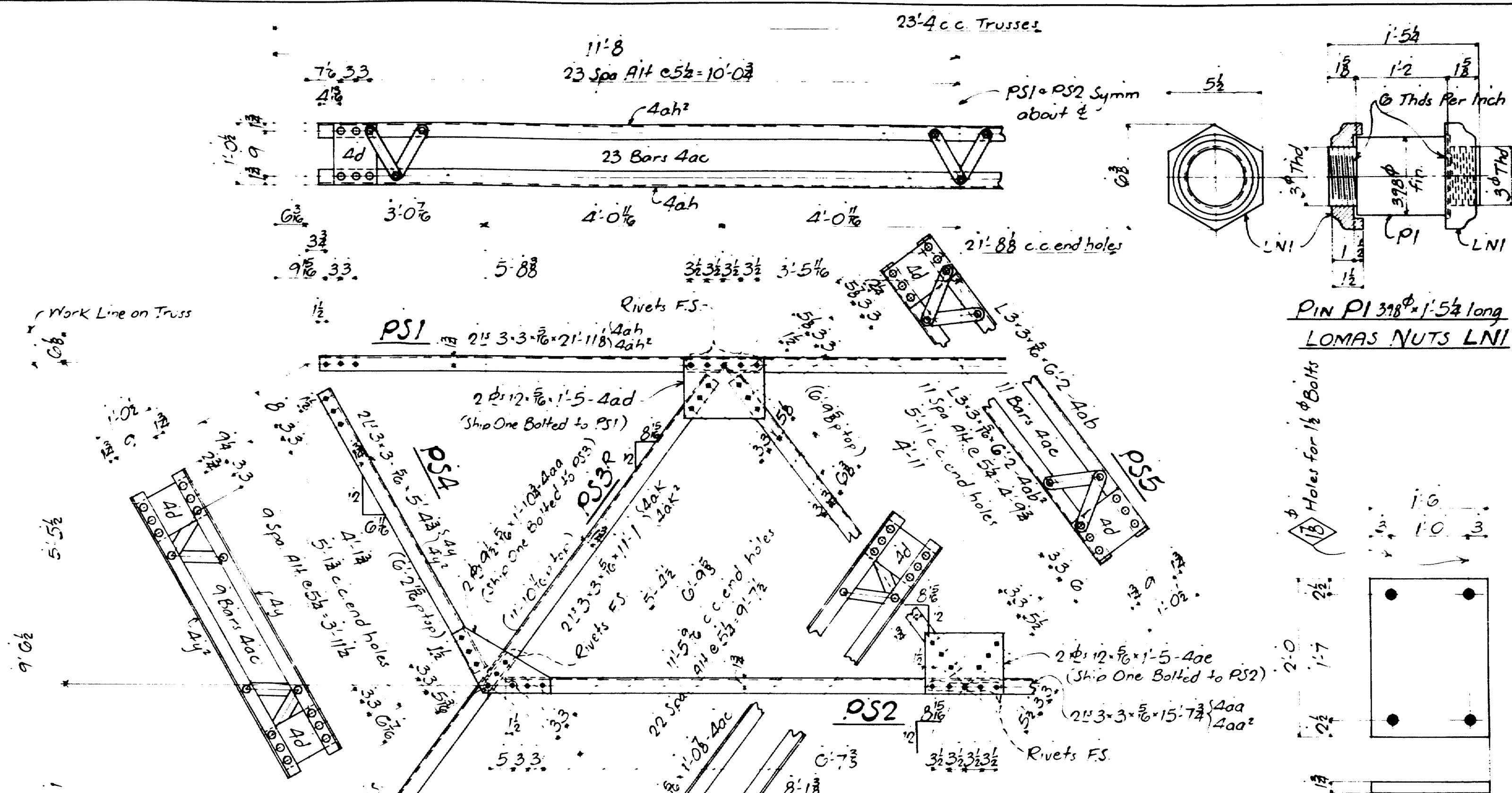


REQUIRED LIST

4 Floor Beams	FB1
One	FB2R
One	FB2L
10 Stringers	S1
10	S2
6	S3
5	S4
3	S5R
2	S5L
4	S6
3 Brackets	BI ^R
3	BI ^L
2 Lateral Bracing	L1
2	L2
2	L3
3	L4
3	L5
3	L6
5	L7
2 Railing Posts	RP3R
2	RP3L
One	RP4R
One	RP4L
2	RP5R
3	RP5L
2 Struts	ST ^R
3	ST ^L
9 Hand Rails	HR9
6	HR10
One Apron Plate	APIR
One	APIL

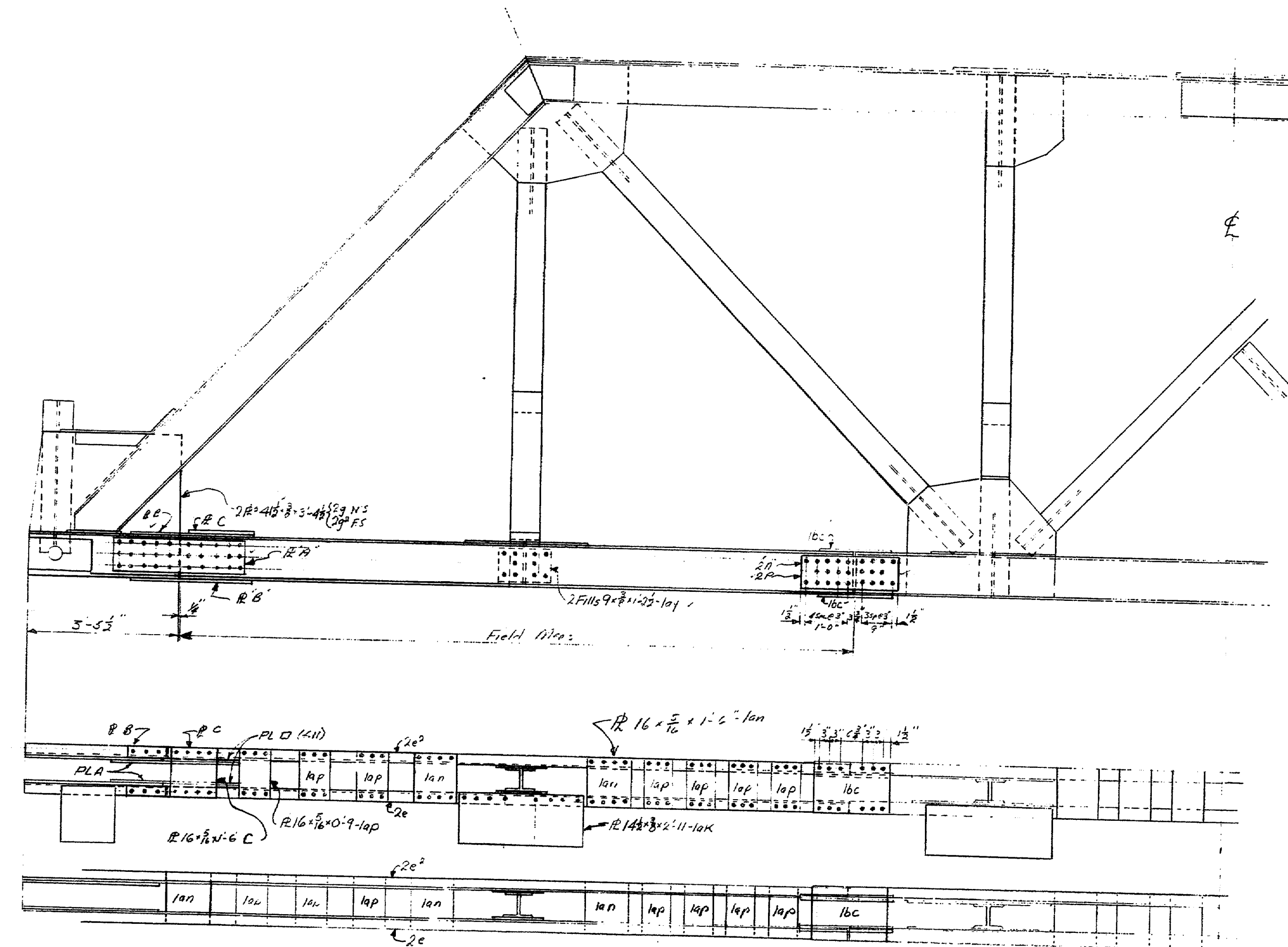
Note
For General Notes
See dwg # E1

VILLAGE BRIDGE OVER KENDUSKEAG RIVER,
KENDUSKEAG, MAINE MAINE HIGHWAY COM.
FIBR, Stringers, Batt Lat Bracing, Brackets
7 1/2" 15 1/2" 16 1/2" H.P.
8-25-32
5997 3
RI Dimensions changed. 9-13-32 H.P.



3-Top Laterals- T1
6 " " T2
2-Top Struts- T3
4-Sway Braces- SB1
12 " " SB2
2 " " SB3
2-Portal Struts- PS1
2 " " PS2
2 " " PS3A
2 " " PS3B
4 " " PS4
4 " " PS5
2-Exp. Pedestals- EP1
2-Fixed " FP1
2-Masonry Plates-MP1
2 " " MP2
4-Brange Plates- BP1
4-Rings " R1
8-Lomas Nuts- LN1

Village Bridge over Kenduskeag River
Kenduskeag Marine, Maine Highway Com.
Portal, Top Bracing, Pedestals
3' CHK
1 1/2' H.P.
8-29-32 40 41 42-43
5997 4
Rl Length of L changed 9-13-32 H.P.



125-116

Village Bridge
 over
 Kenduskeag River
 Kenduskeag Maine
 Structural Steel
 Sh# 1 of 2 Feb. 29, 1972

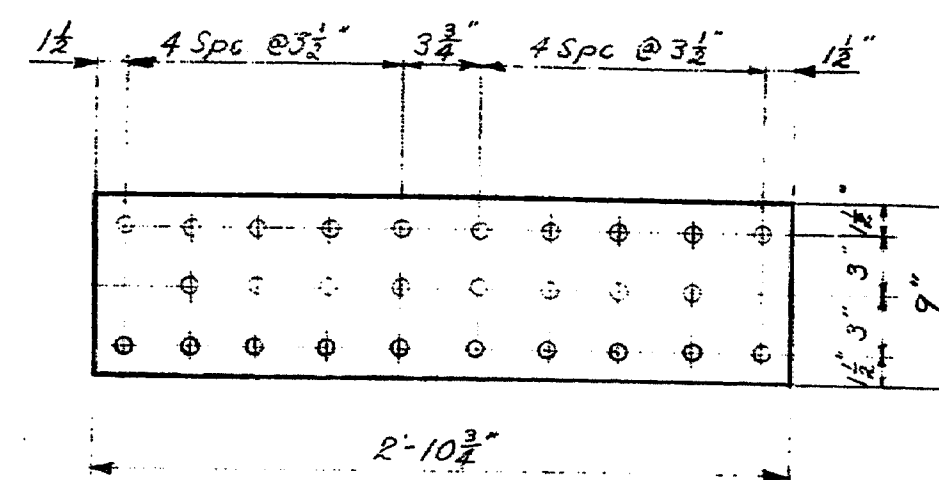


Plate A-4 required
R 9" x 1/8" x 2'-10 3/4"

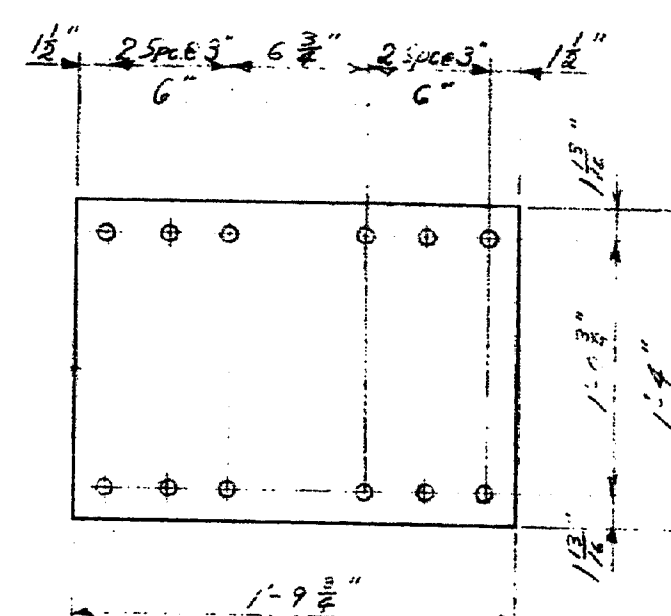


Plate bc-2 Required
R 1/8" x 1/8" x 1'-9 1/2"

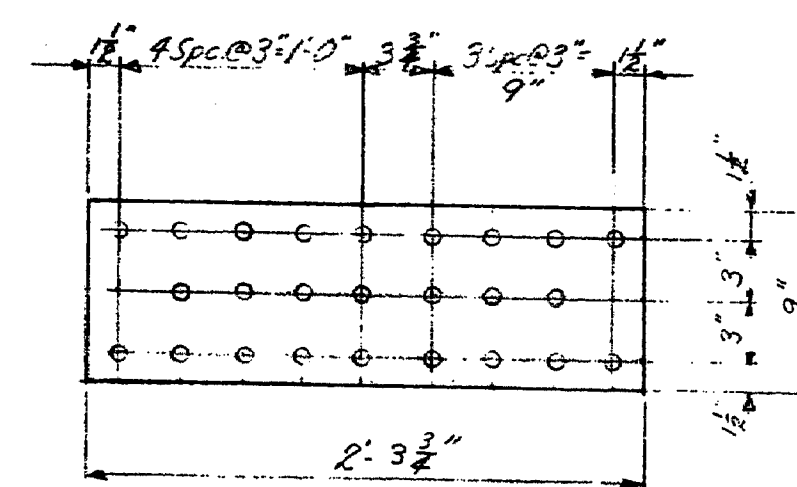


Plate 2n-4 required
R 9" x 1/8" x 2'-3 1/2"

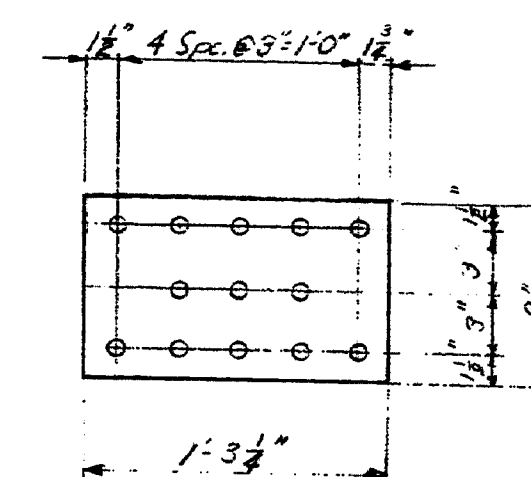


Plate 2p-2 required
R 9" x 1/8" x 1'-3 1/2"

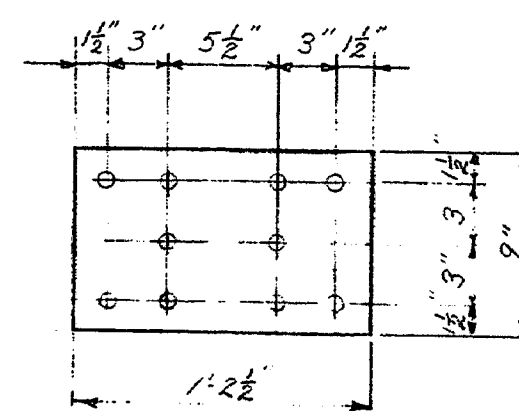


Plate lay-2 required
R 9" x 1/8" x 1'-2 1/2"

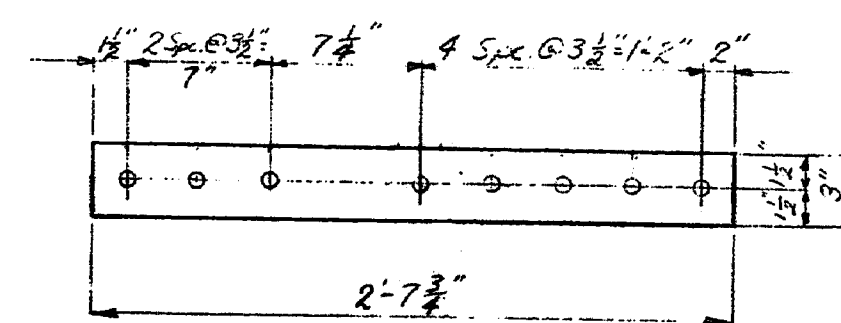


Plate B-4 required
R 9" x 1/8" x 2'-7 3/4"

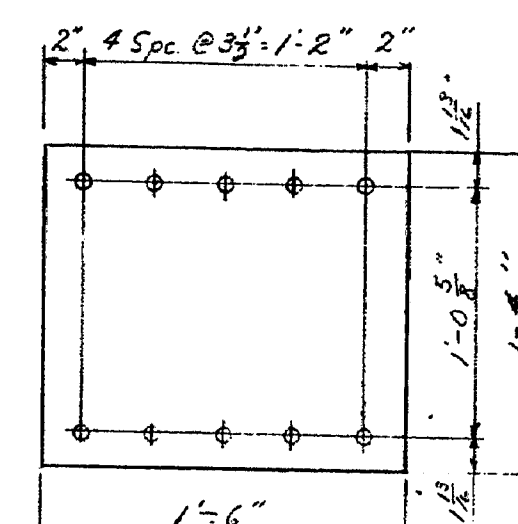


Plate C-2 required
R 1/8" x 1/8" x 1'-6"

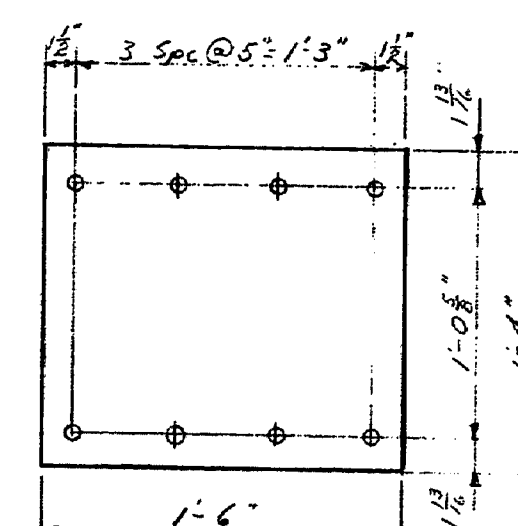


Plate 1an-4 required
R 1/8" x 1/8" x 1'-6"

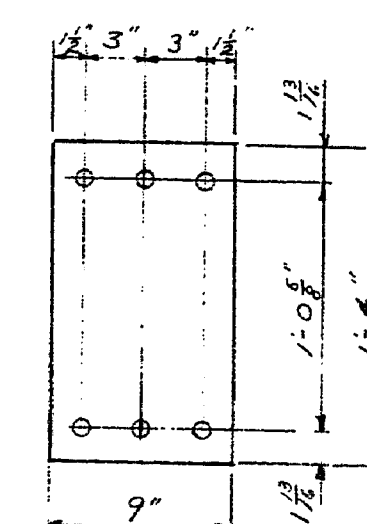


Plate 1p-14 required
R 1/8" x 1/8" x 9"

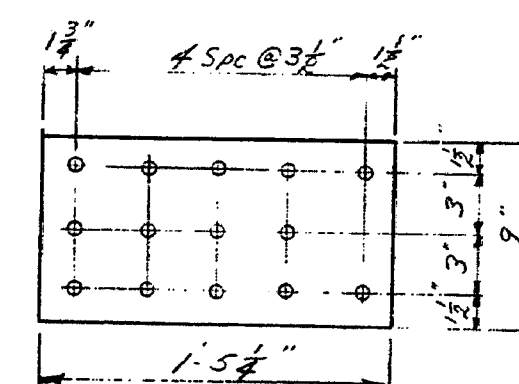
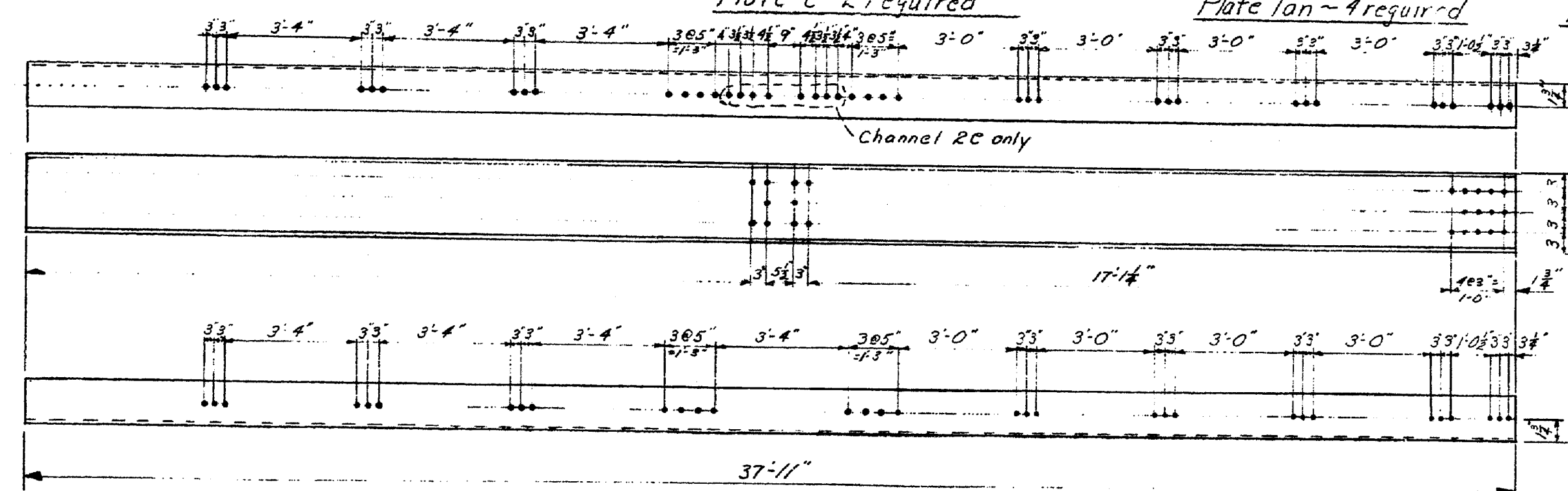


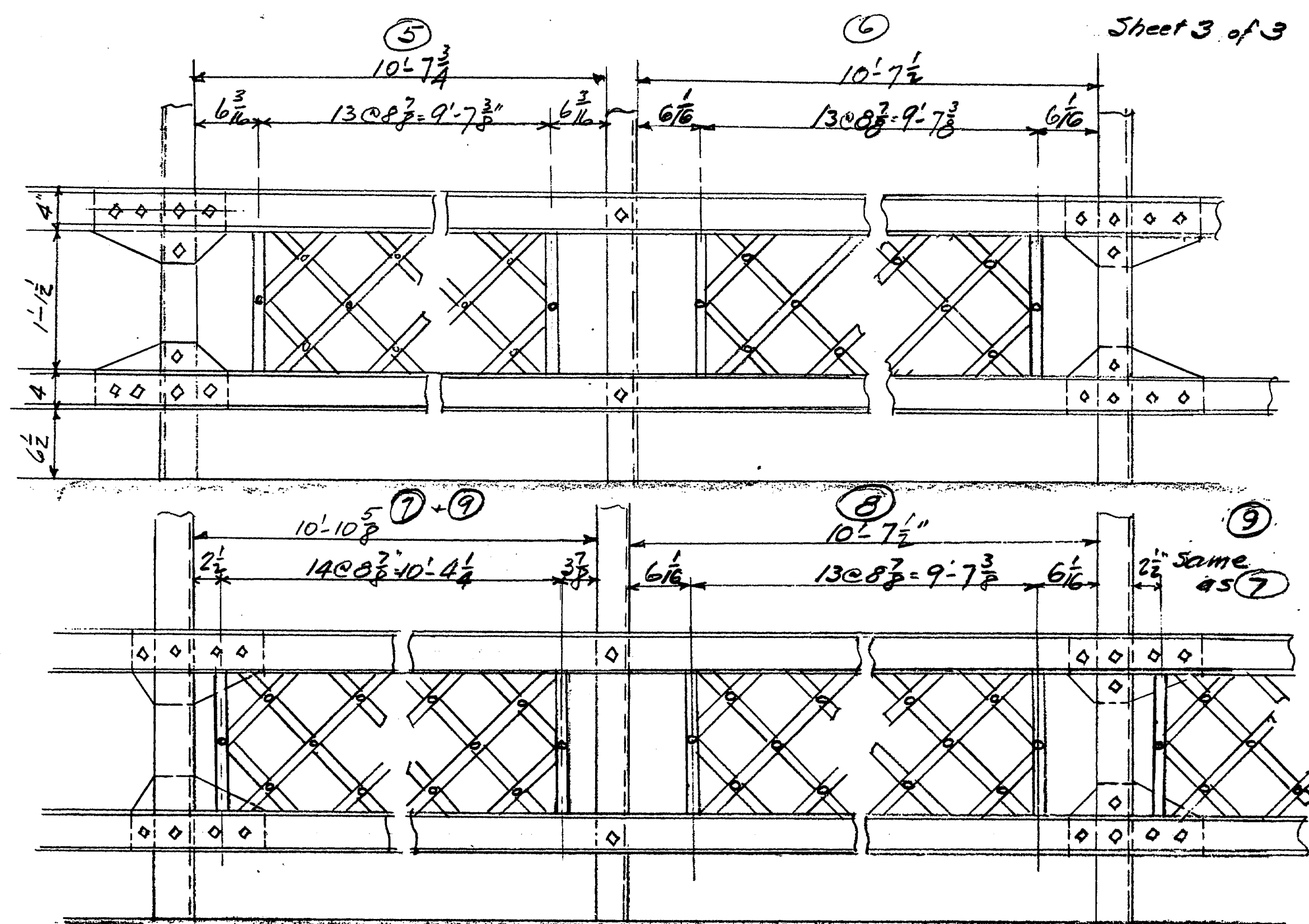
Plate D-2 required
R 9" x 1/8" x 1'-5 1/2"



Channel 2C shown; Channel 2C² similar except as noted
Channels 2C & 2C²
2'-12" E x 25" x 37'-11"

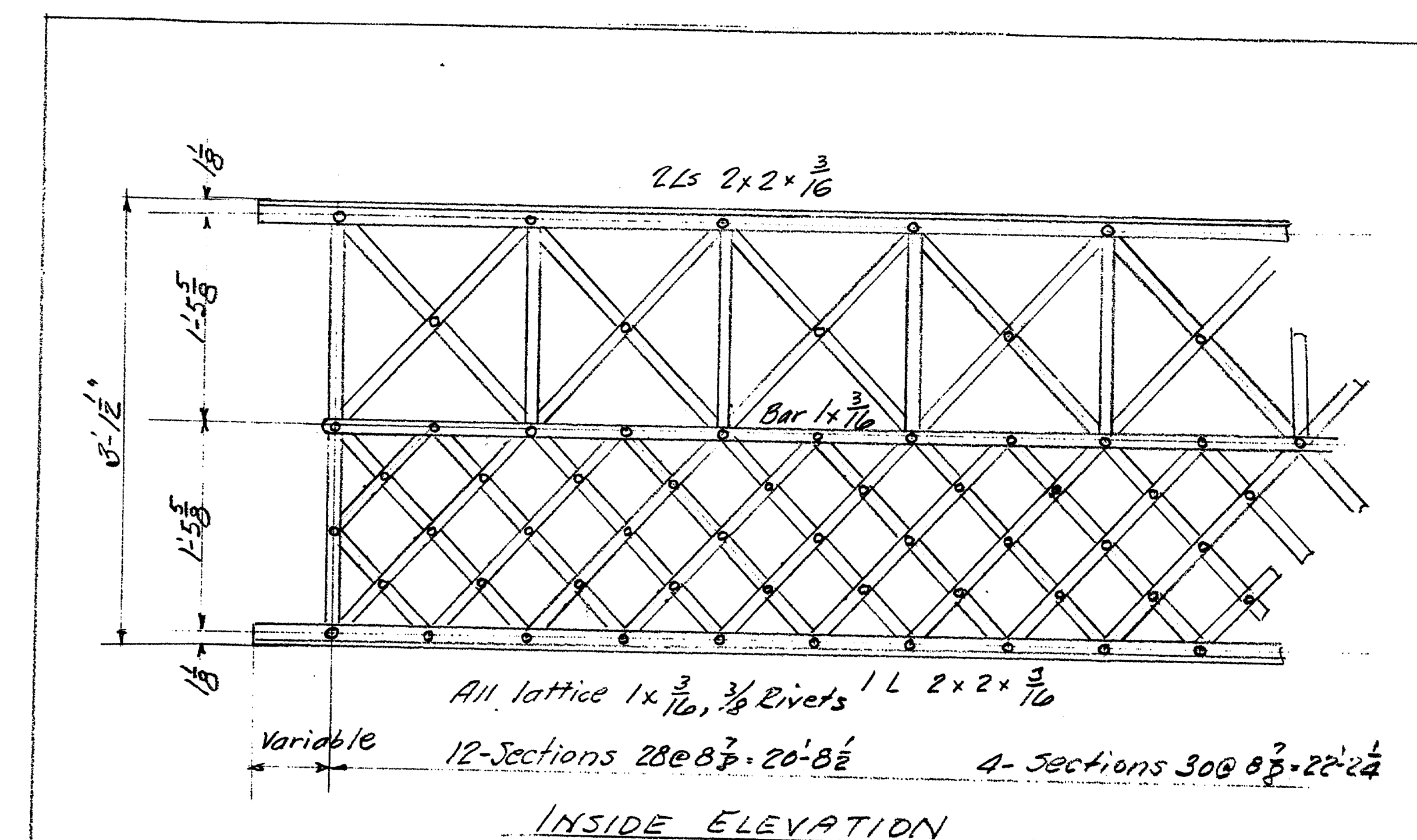
- Notes:
1. All holes to be 15" ϕ
 2. All steel to be A36
 3. No paint required.

Village Bridge
over
Kenduskeag River
Kenduskeag Maine
Structural Steel
Sheet 2 of 2 Feb. 29, 1972
125-117

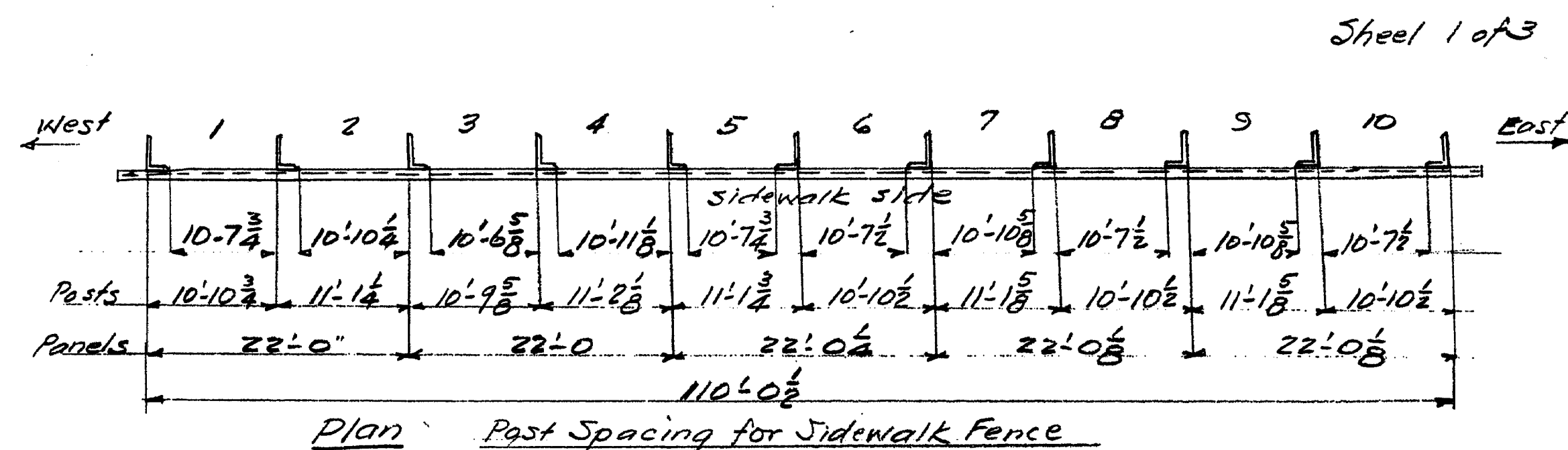


INSIDE ELEVATIONS

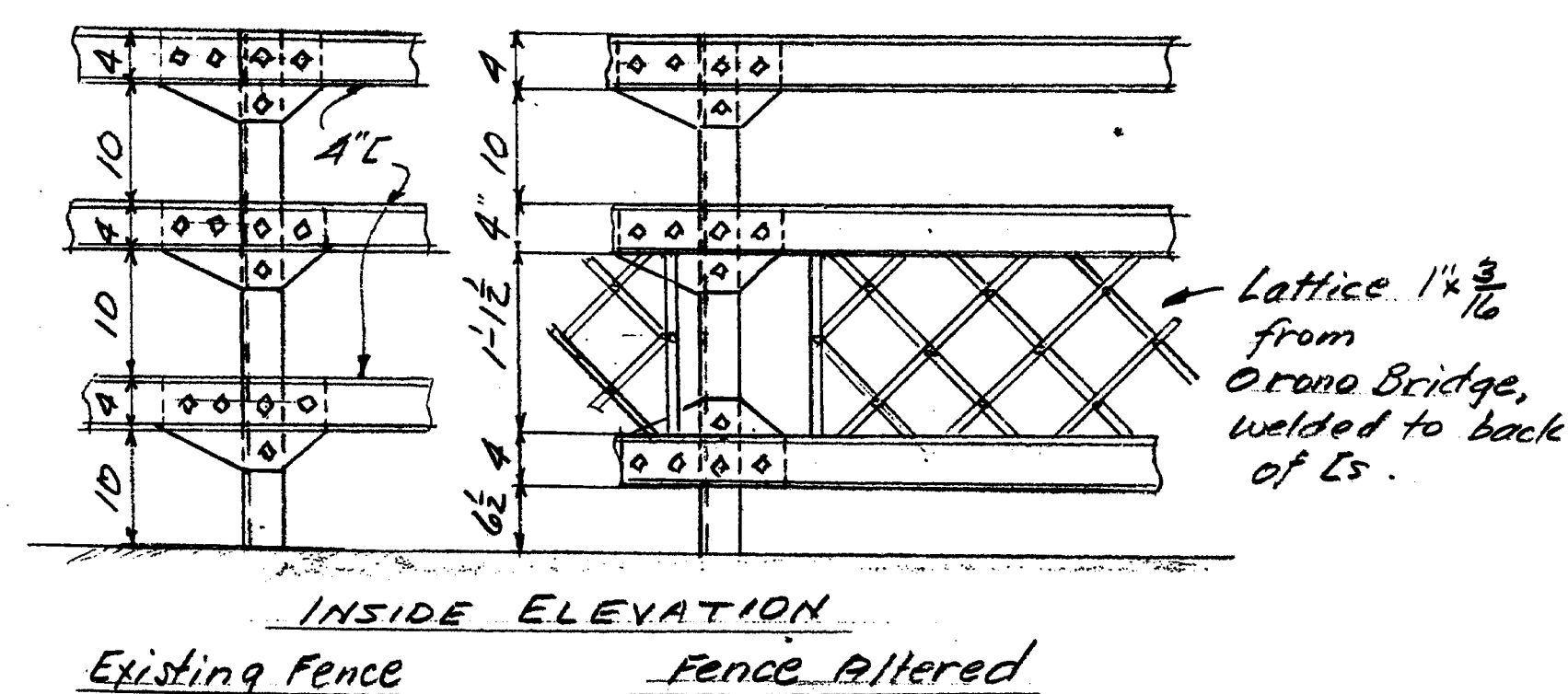
VILLAGE BRIDGE, KENDUSKEAG
SIDEWALK FENCE ALTERATIONS
Jan. 30, 1957
132:152



LATTICE FENCE DETAILS
FERRY HILL BRIDGE, ORONO
TO BE USED FOR VILLAGE BRIDGE, KENDUSKEAG.
Jan. 30, 1957
132:152

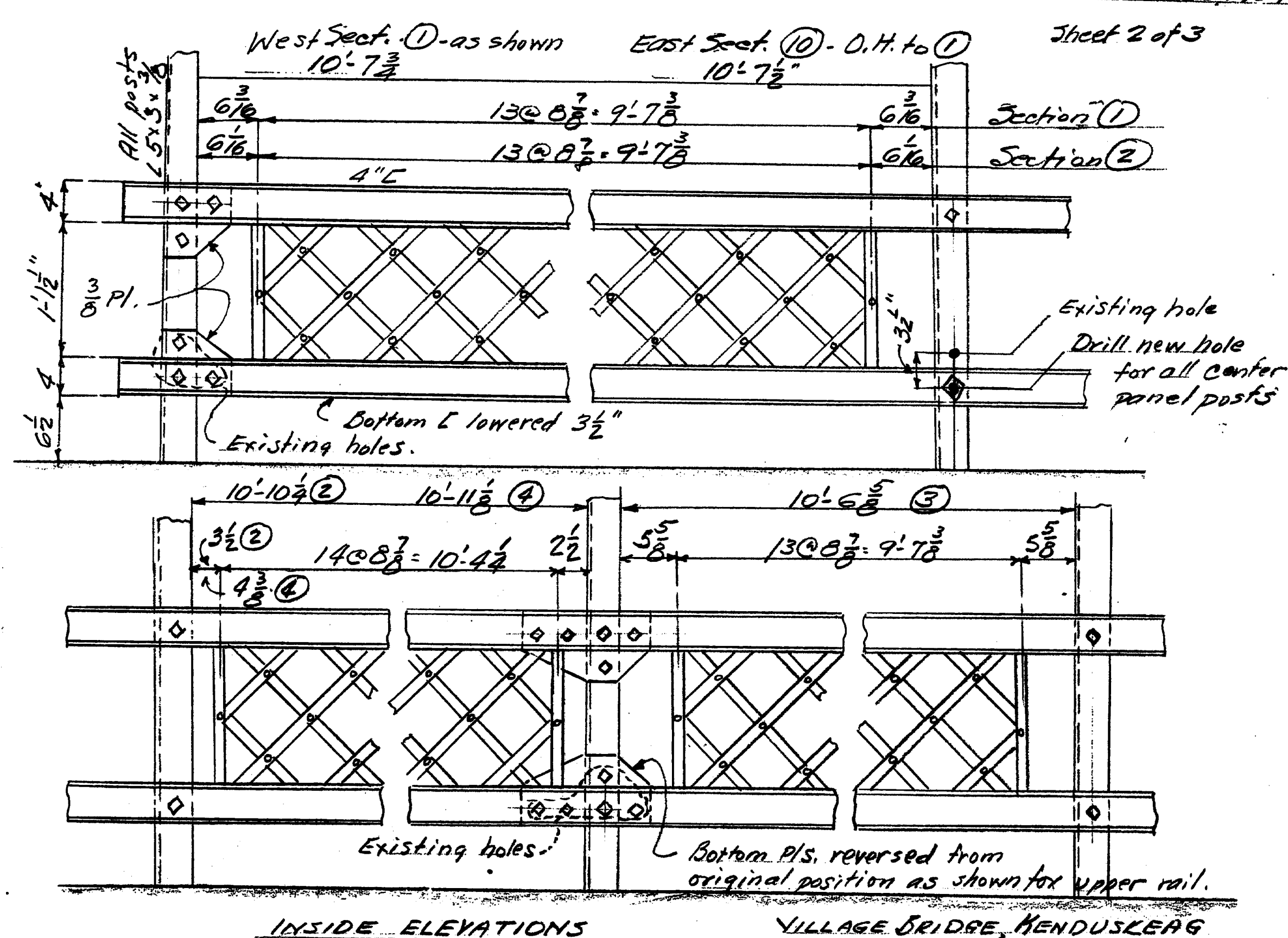


Plan Post Spacing for Sidewalk Fence



Existing Fence Fence Altered

VILLAGE BRIDGE, KENDUSKEAG
SIDEWALK FENCE ALTERATIONS
January 30, 1957.
132:152



INSIDE ELEVATIONS

VILLAGE BRIDGE, KENDUSKEAG
SIDEWALK FENCE ALTERATIONS
January, 1957
132:152