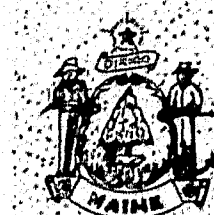


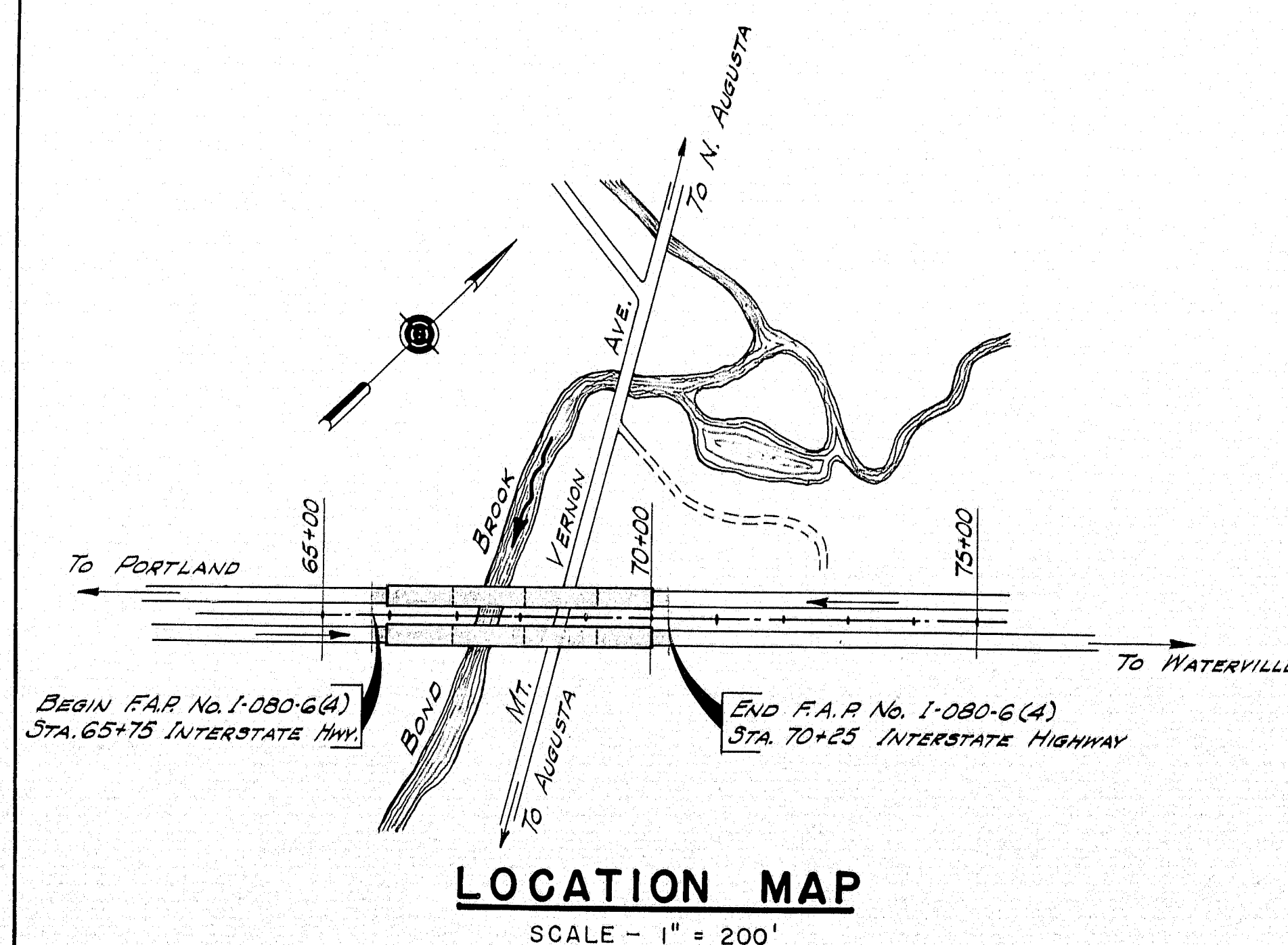
STATE OF MAINE
STATE HIGHWAY COMMISSION



BOND BROOK
AND
MT. VERNON AVENUE BRIDGE
INTERSTATE HIGHWAY
IN THE CITY OF
AUGUSTA
KENNEBEC COUNTY

FEDERAL AID PROJECT NO. I-080-6(4)
LENGTH OF PROJECT 0.085 MILE

D.P.R. REG. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	MAINE	I-080-6(4)	1	17



INDEX OF SHEETS	
1	TITLE
2	SOILS PROFILE
3	BORINGS
4	GENERAL PLAN & ELEVATION
5	ABUTMENTS
6	PIERS
7 THRU 13	STRUCTURAL STEEL
14-15	SUPERSTRUCTURE
16	APPROACH SLABS, DRAINAGE, RAIL
17	REINFORCING STEEL

TRAFFIC

A. D. T. - 1955	= 6 675
A. D. T. - 1975	= 9 345
D. H. V.	= 1 400
D.	= 65 %
T.	= 15 %
V.	= 60 mph.

APPROVED:
MAINE STATE HIGHWAY COMMISSION

David W. Stuntz
CHAIRMAN

Clarence S. Crosby

Carlyle J. [Signature]
CHIEF ENGINEER

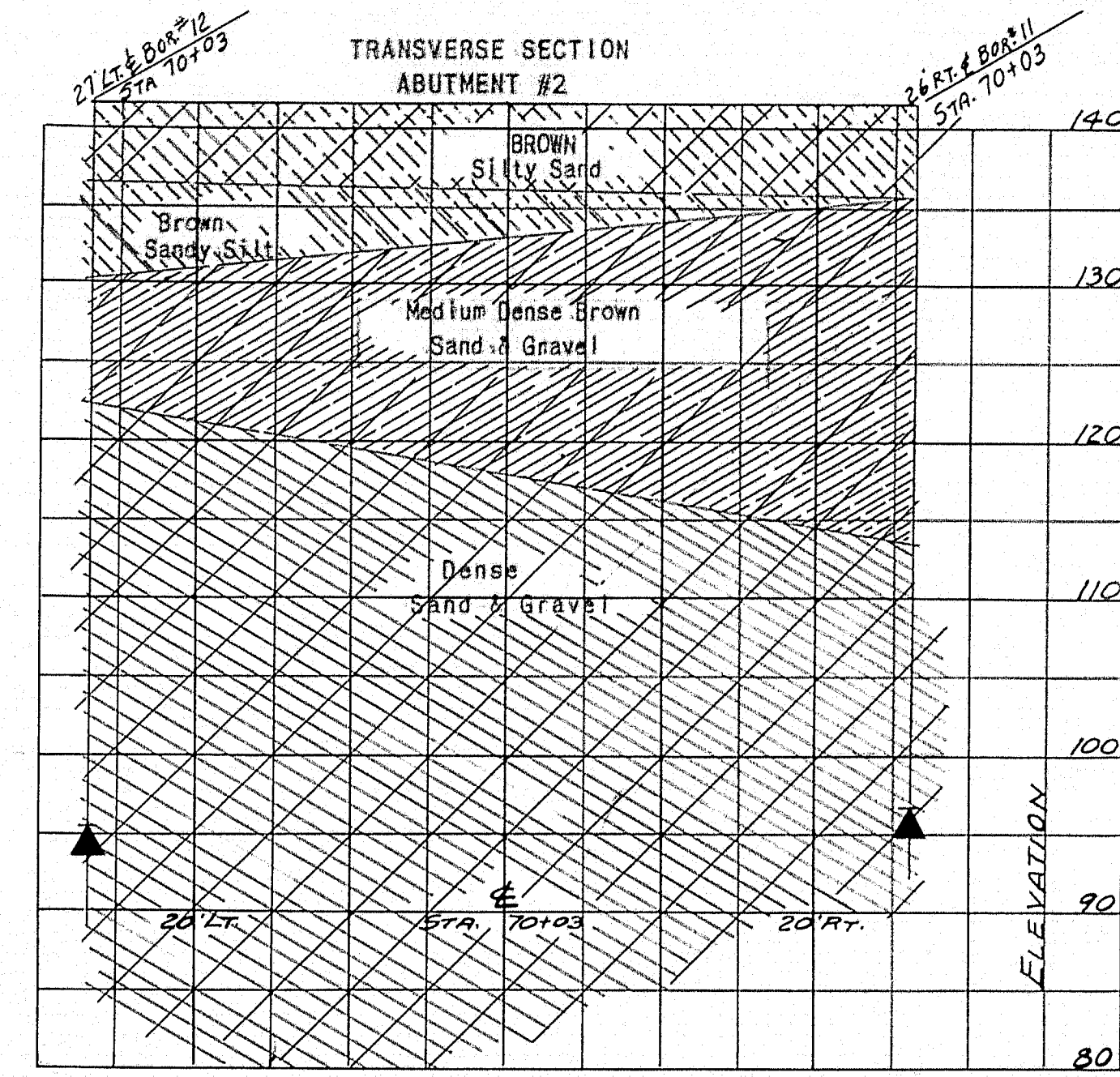
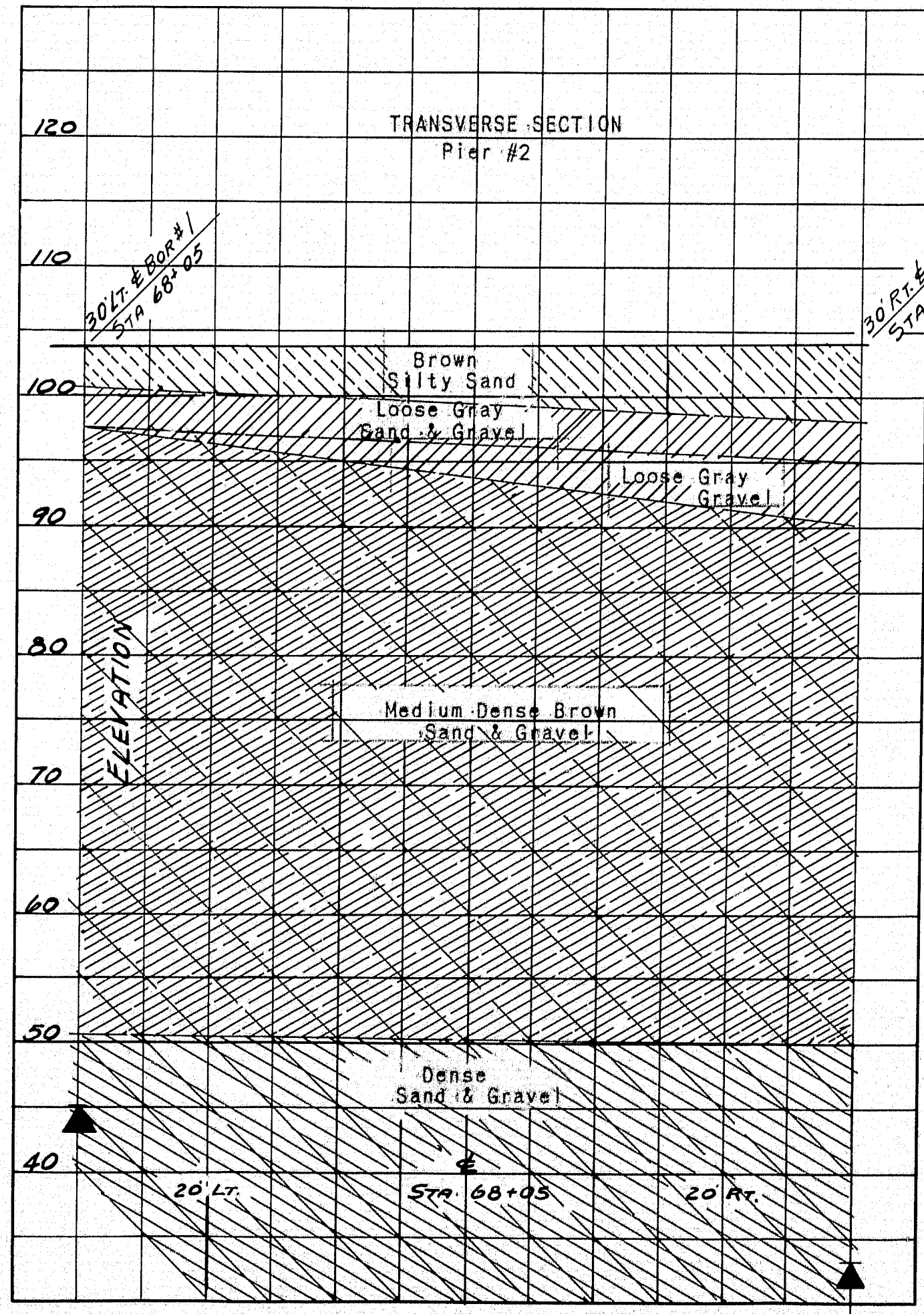
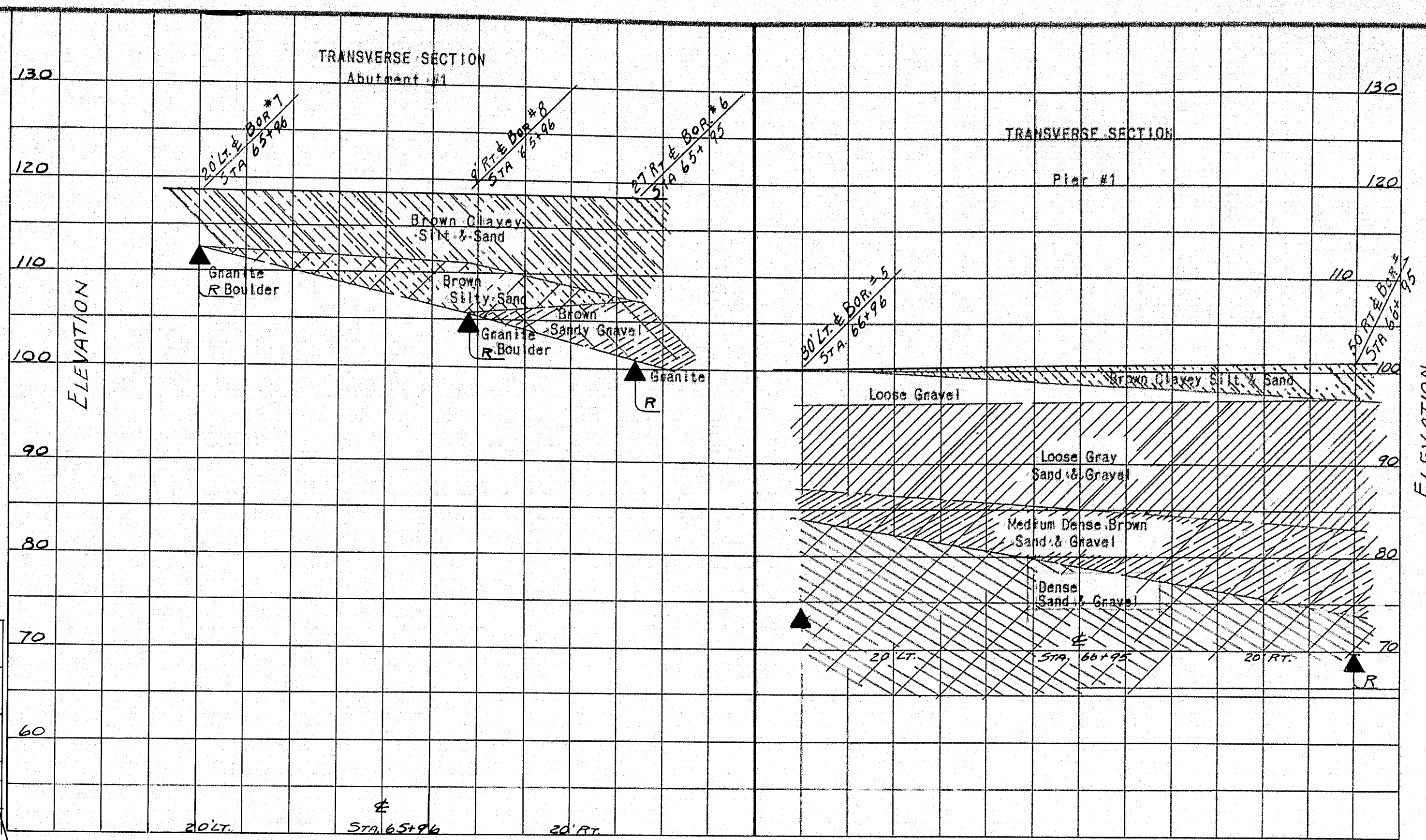
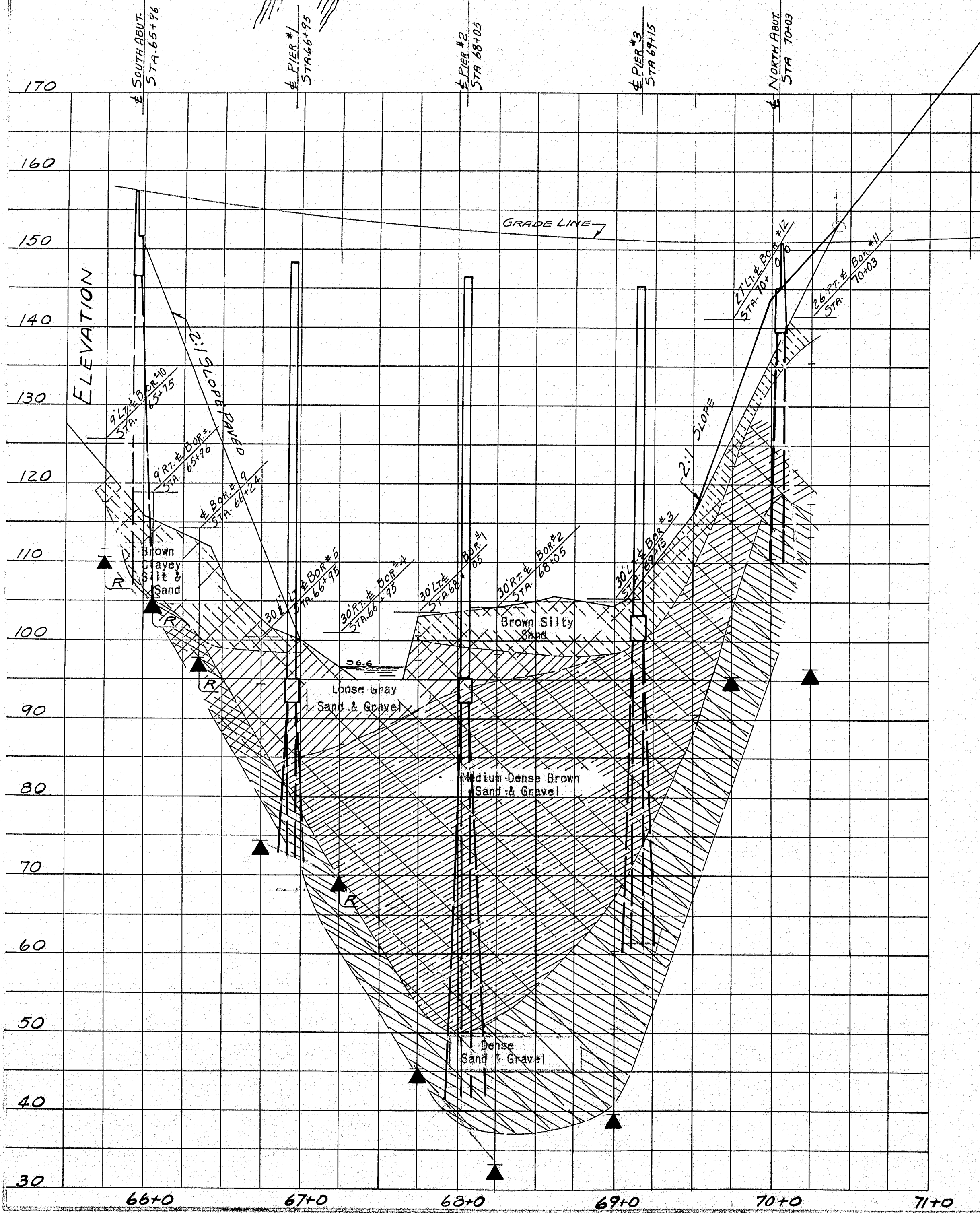
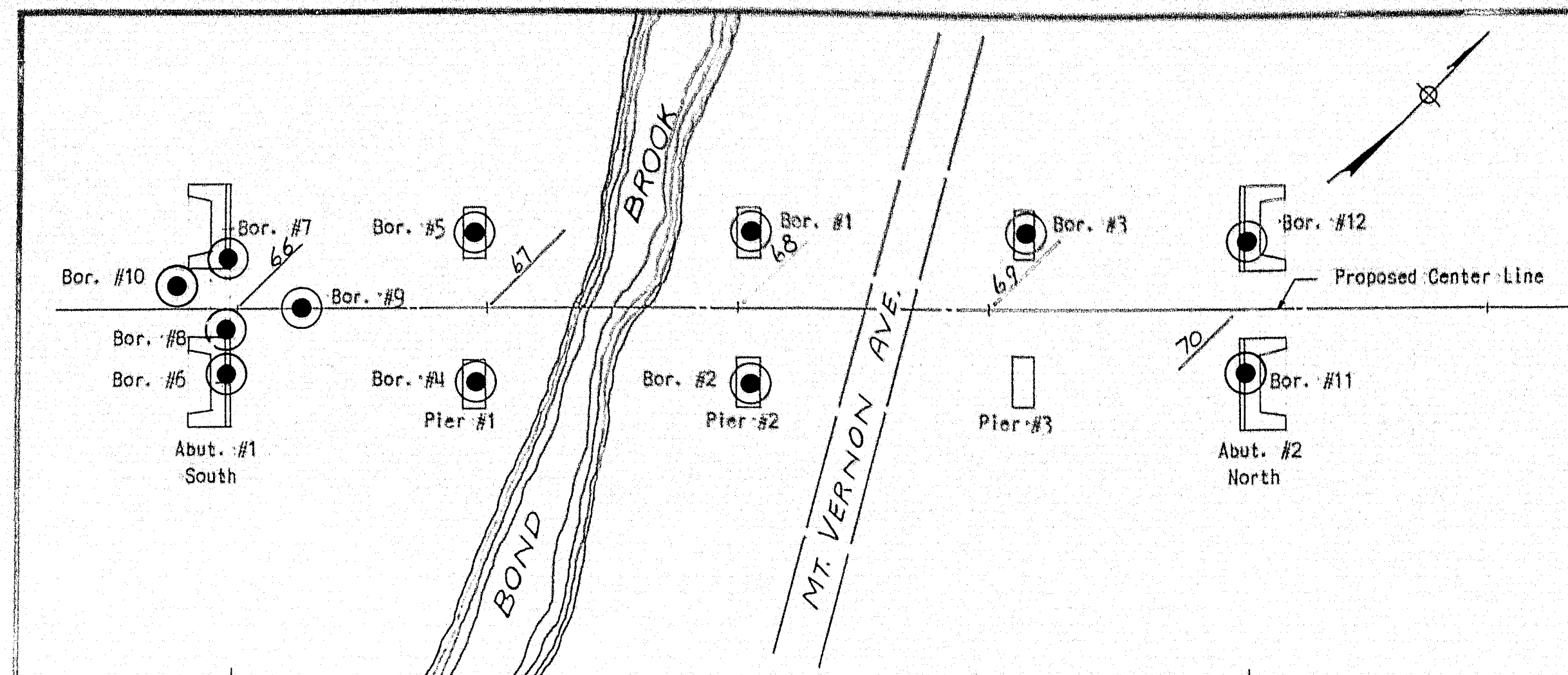
DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS
REGION I

APPROVED:

DIVISION ENGINEER DATE

70-177

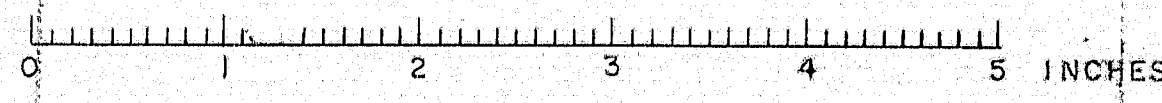
S. P. R.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	I-080-684	2	17

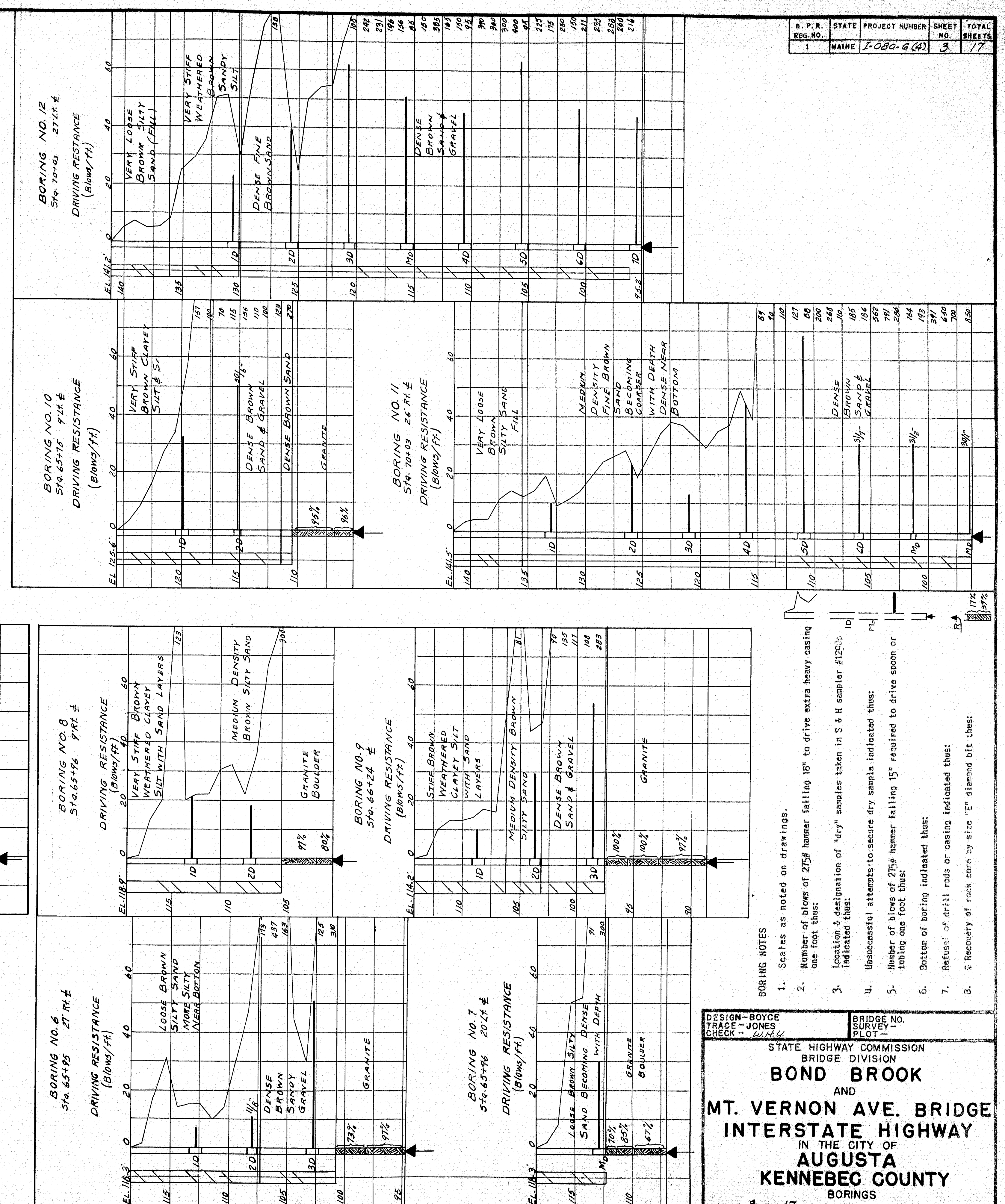
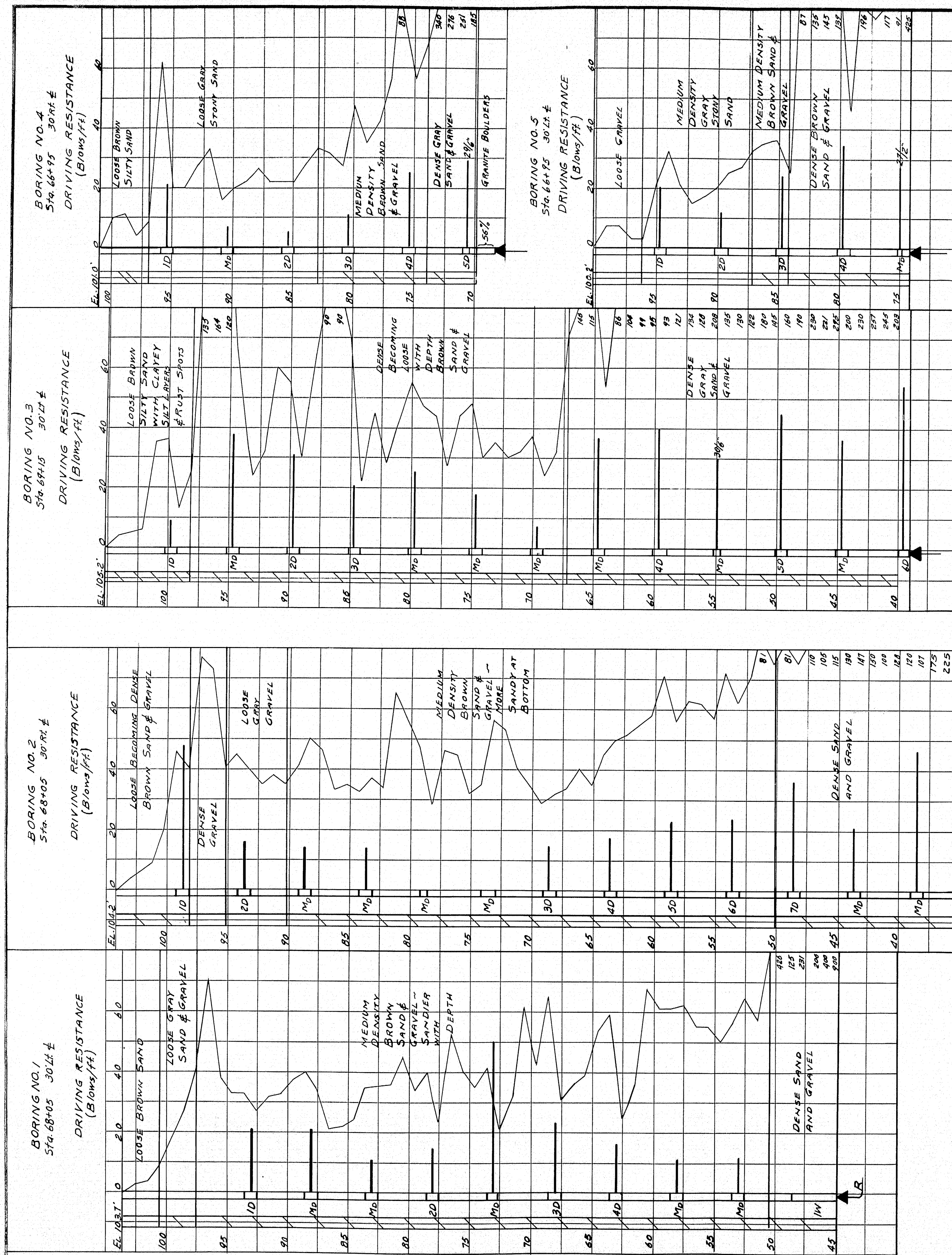


DESIGN-BOYCE
TRACE-JONES
CHECK-CHAS.

BRIDGE NO.
SURVEY
PLOT

STATE HIGHWAY COMMISSION
BRIDGE DIVISION
BOND BROOK
AND
MT. VERNON AVE. BRIDGE
INTERSTATE HIGHWAY
IN THE CITY OF
AUGUSTA
KENNEBEC COUNTY
SOILS PROFILES
SHEET 2 OF 17 AUGUSTA, MAINE DEC. 1957





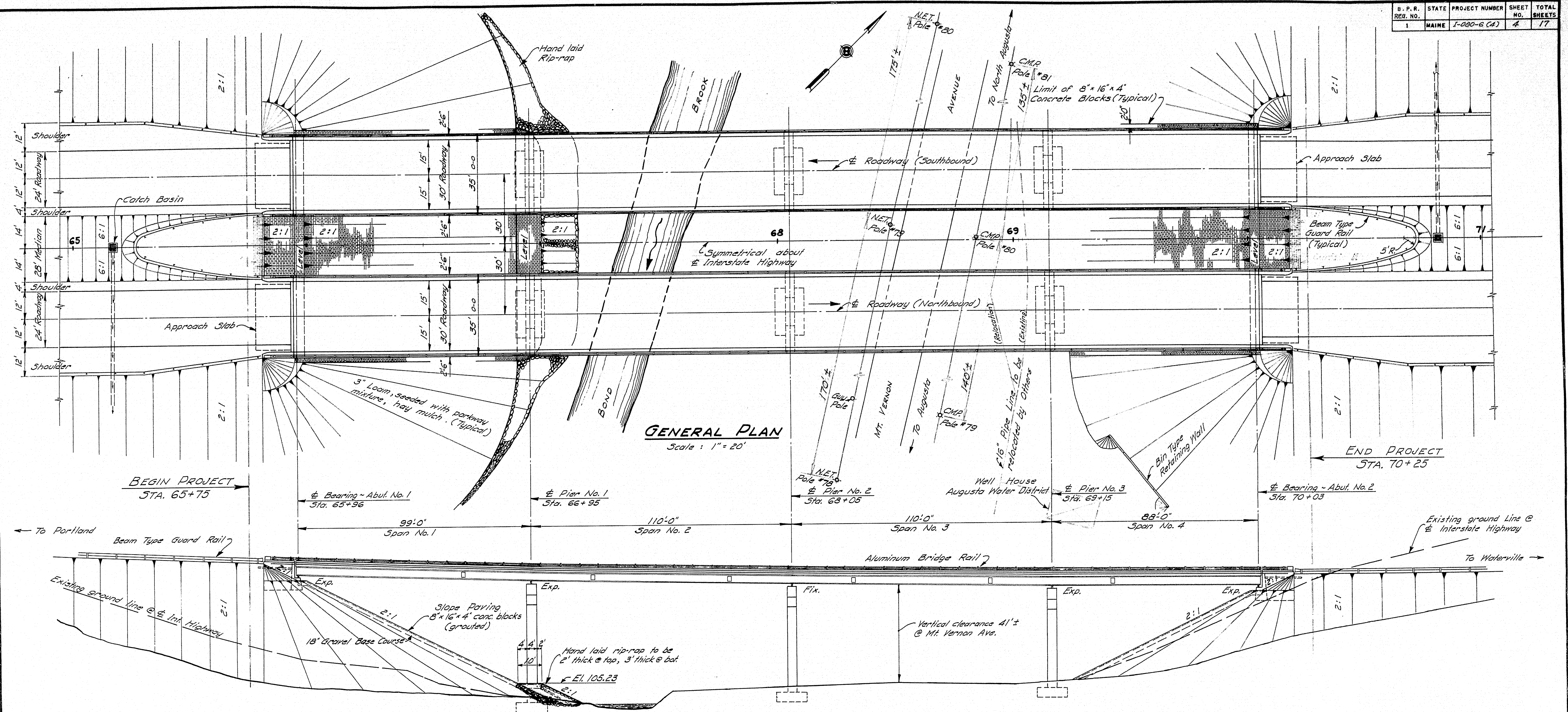
- BOREING NOTES
1. Scales as noted on drawings.
 2. Number of blows of 275# hammer falling 18" to drive extra heavy casing one foot thus.
 3. Location & designation of "dry" samples taken in S & H sampler #12025 indicated thus.
 4. Unsuccessful attempts to secure dry sample indicated thus:
 5. Number of blows of 275# hammer falling 15" required to drive spoon or tubing one foot thus:
 6. Bottom of boring indicated thus:
 7. Refusal of drill rods or casing indicated thus:
 8. Recovery of rock core by size "E" diamond bit thus:

DESIGN - BOYCE
TRACE - JONES
CHECK - JONES

BRIDGE NO.
SURVEY
PLOT

STATE HIGHWAY COMMISSION
BRIDGE DIVISION
BOND BROOK
AND
MT. VERNON AVE. BRIDGE
INTERSTATE HIGHWAY
IN THE CITY OF
AUGUSTA
KENNEBEC COUNTY
BORINGS

SHEET 3 OF 17 AUGUSTA, MAINE DEC. 1957



DESIGN SPECIFICATIONS

A.A.S.H.O. STANDARD SPECIFICATIONS
FOR HIGHWAY BRIDGES 1953.

LOADING

H20-S16-44, AS MODIFIED
FOR INTERSTATE HIGHWAYS

CONTRACT SPECIFICATIONS

STATE OF MAINE, STATE HIGHWAY COMMISSION
STANDARD SPECIFICATIONS, REVISION OF JAN. 1956.

NOTE: This contract includes all work within limits of the project as shown above with the exception of the following:
Fill under abut. #1 & #2 and to within 3' of the side and front slopes, up to the elevation of the bottom of abutment; Bituminous Concrete Surface; Membrane Waterproofing; Base & Surfacing over approach slabs; Guard Rail and Bin type ret. wall.
Payment for excavation, for Slope Paving and rip-rap toe, to be made under Item 204-12 Structural Earth Excavation, Abutts. and Retaining Walls.
The 18" Gravel Base Course, under concrete slope paving may be reduced or omitted if in the opinion of the Engineer the fill is suitable.

UTILITIES

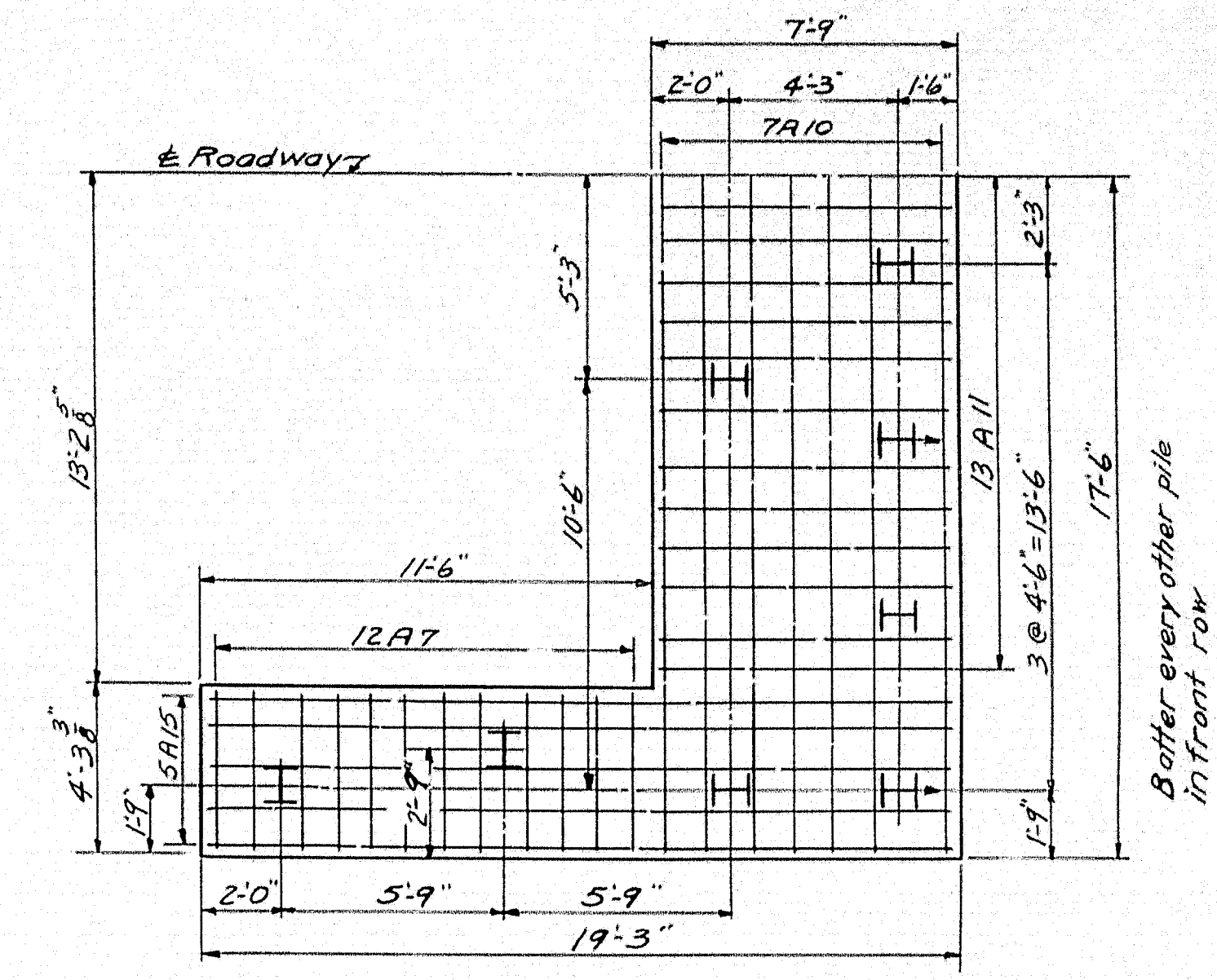
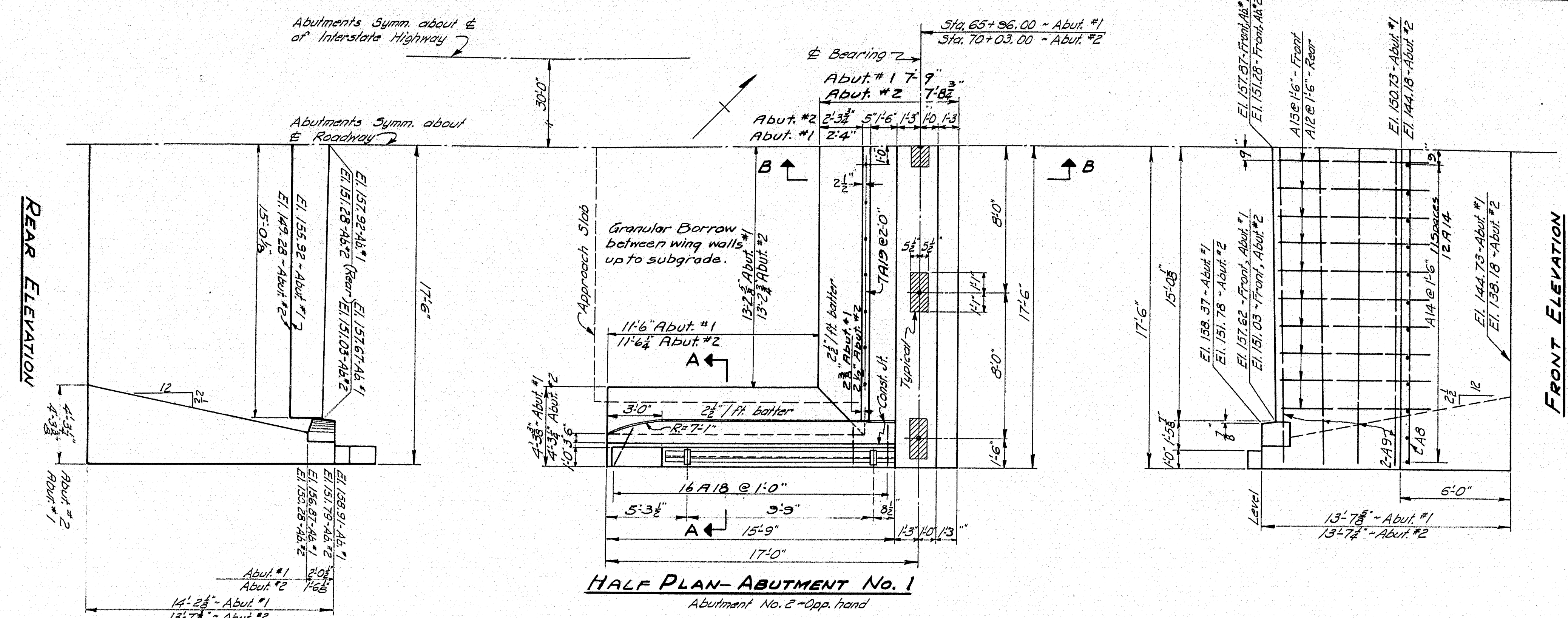
N.E.T. ~ Poles and wires to be removed during the construction period.
C.M.R. ~ Pole #80 and wires from Pole #79 to Pole #81 to be removed during the construction period.
Augusta Water District ~ Relocate 16" Pipe Line as indicated in plan above.

CONCRETE CLASSIFICATION

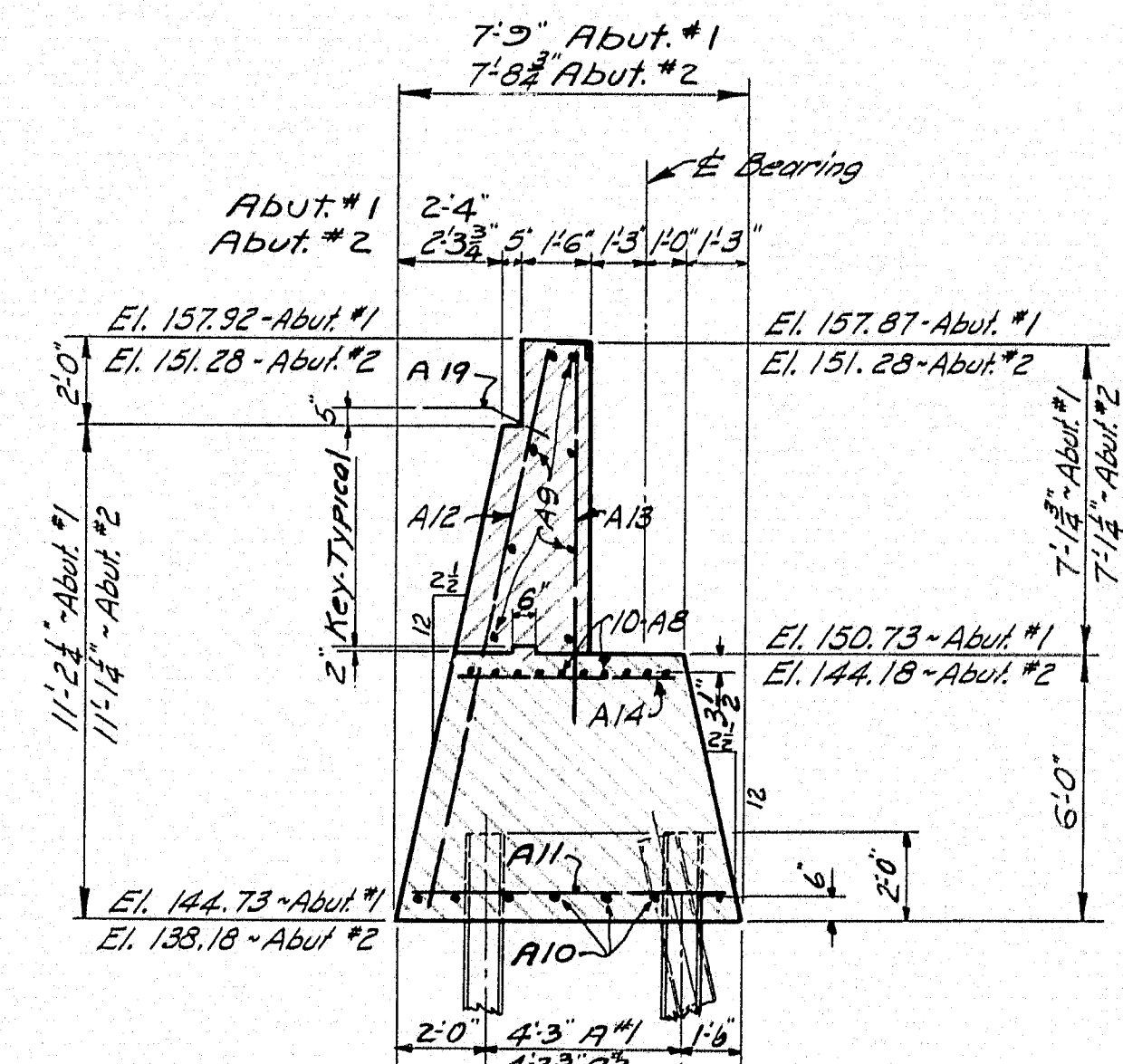
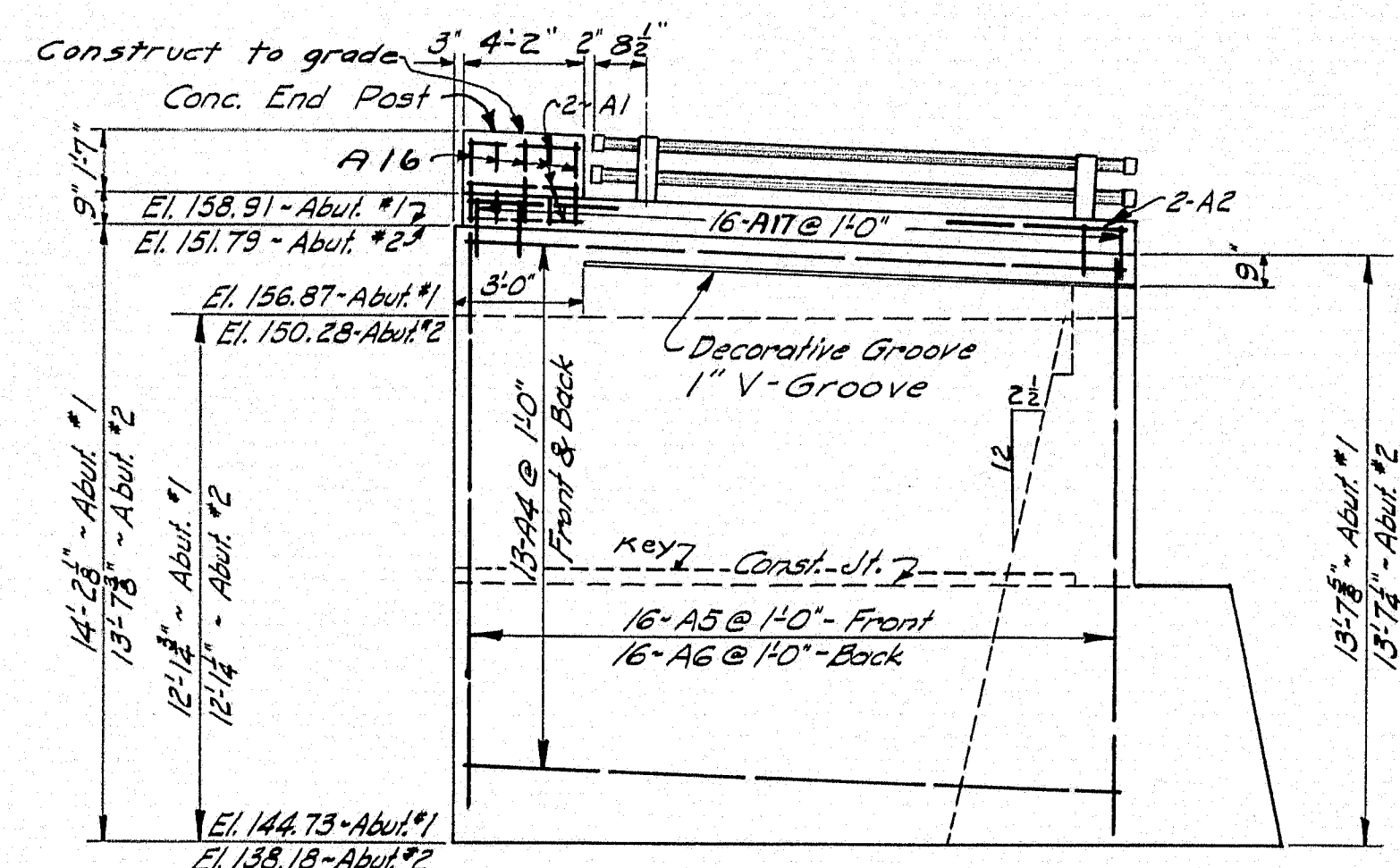
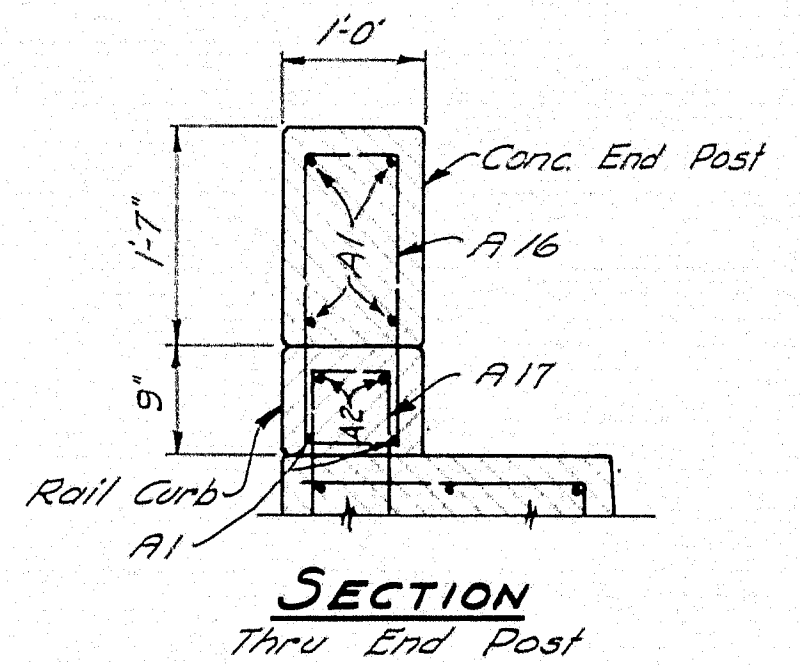
EXCEPT FOR CAST IN PLACE PILES, ALL CONCRETE CLASS A

PLAN - CLARK	BRIDGE NO.
CHECK - J. H. Bailey	180
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
BOND BROOK	
AND	
MT. VERNON AVE. BRIDGE	
INTERSTATE HIGHWAY	
IN THE CITY OF	
AUGUSTA	
KENNEBEC COUNTY	
GENERAL PLAN & ELEVATION	
SHEET 4 OF 17 AUGUSTA, MAINE DEC. 1957	

B. P. R.	STATE	PROJECT NUMBER	SHEET	TOTAL
REG. NO.			NO.	SHEETS
1	MAINE	I-280-6(4)	5	17

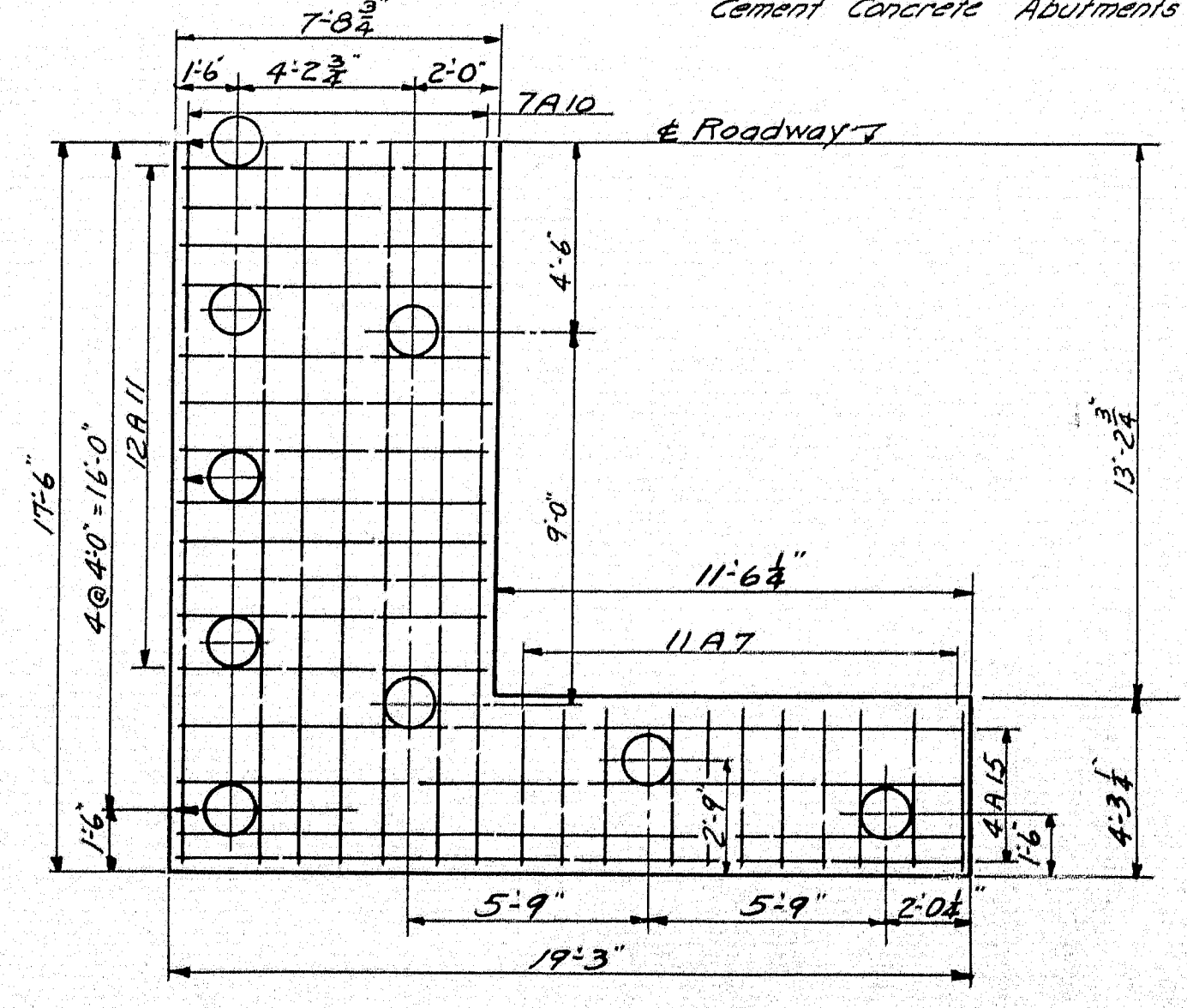
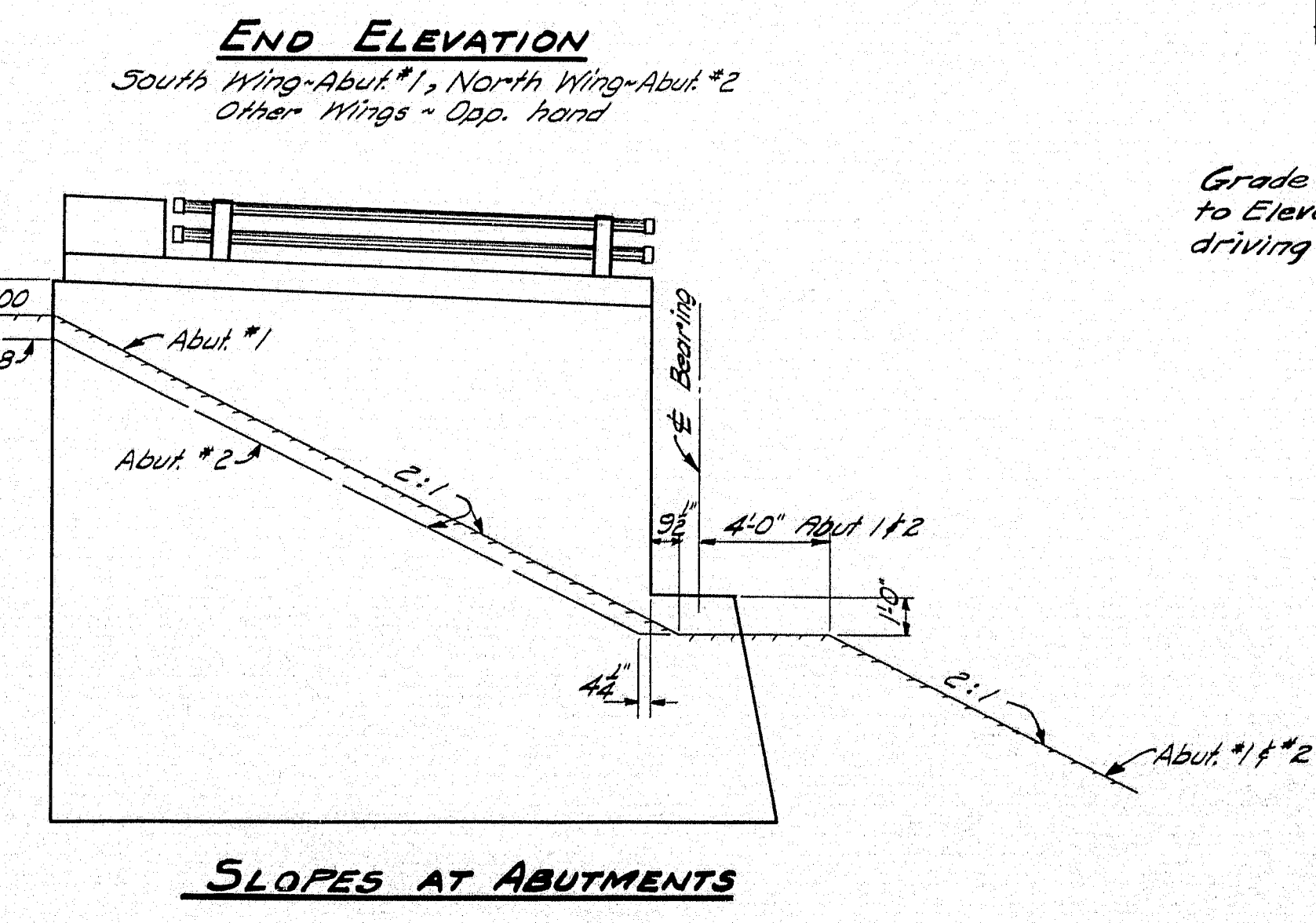
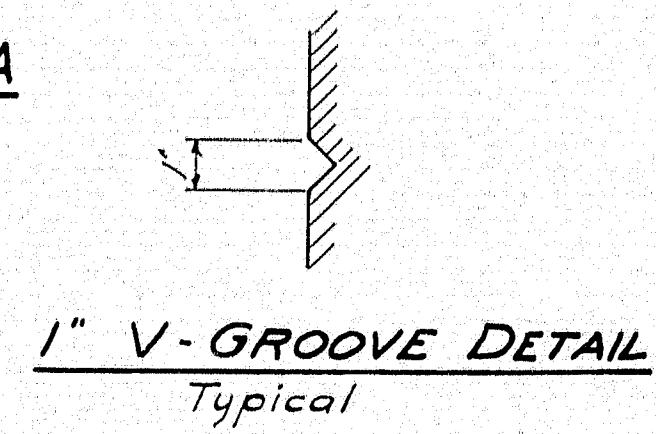
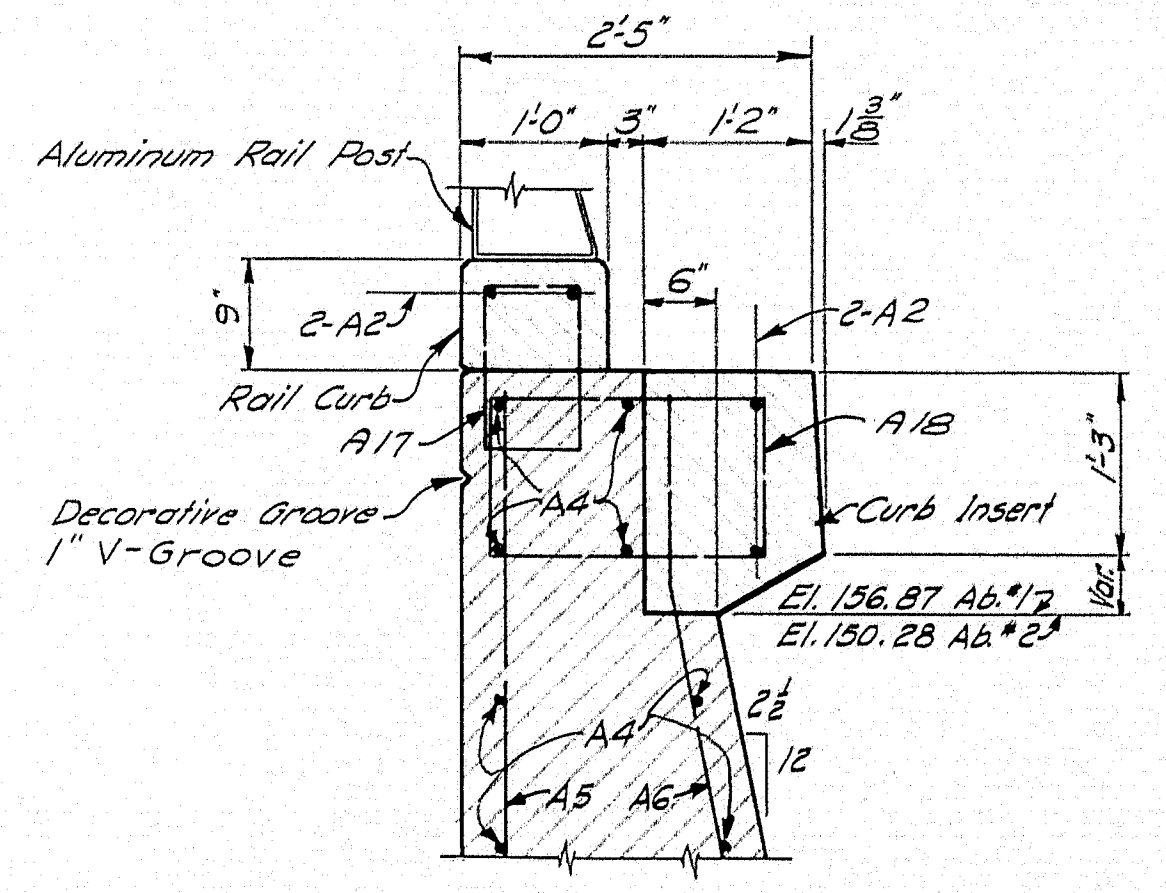


10" x 10" x 42" Steel H Piles. 32 Piles Req'd.
16 Piles Southbound lane, Estimated length 40'.
16 Piles Northbound lane, Estimated length 50'.
Max. Pile Load 37 Tons.
Piles shown thus \rightarrow to be battered $2\frac{1}{2}$ " per foot in the direction indicated by arrow.



GENERAL NOTES
Dress shaded areas on bridge seats to size and exact elevations shown.
All chamfers to be $\frac{1}{2}$ " unless noted and V-grooves to be 1".
Place reinforcing steel in bridge seats to clear anchor bolts.
Backwalls to be built after structural steel is erected.

Wing steel to be spaced @ 14" vertically and horizontally and to have 3" cover.
Concrete End Posts, Rail Curbs, and curb inserts to be class A concrete and to be paid for as Item 701-33, Portland Cement Concrete Abutments and Ret. Walls.

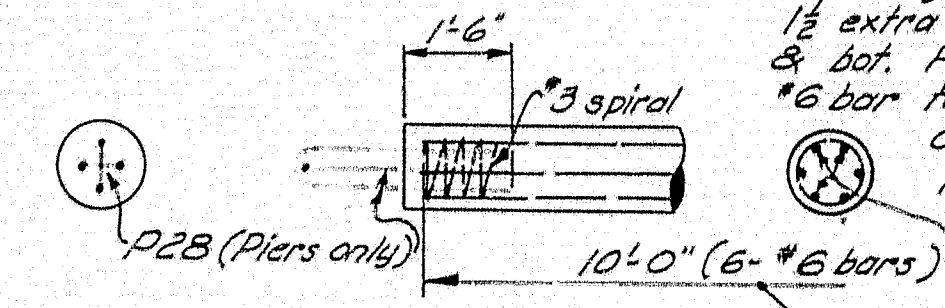


Abutment #2
14" Diam. Cast in Place Piles.
34 Piles Req'd.
17 Piles 25' Southbound lane.
17 Piles 30' Northbound lane.
Max. Pile Load = 30 Tons.
Piles shown thus \rightarrow to be battered $2\frac{1}{2}$ " per foot in the direction indicated by arrow.

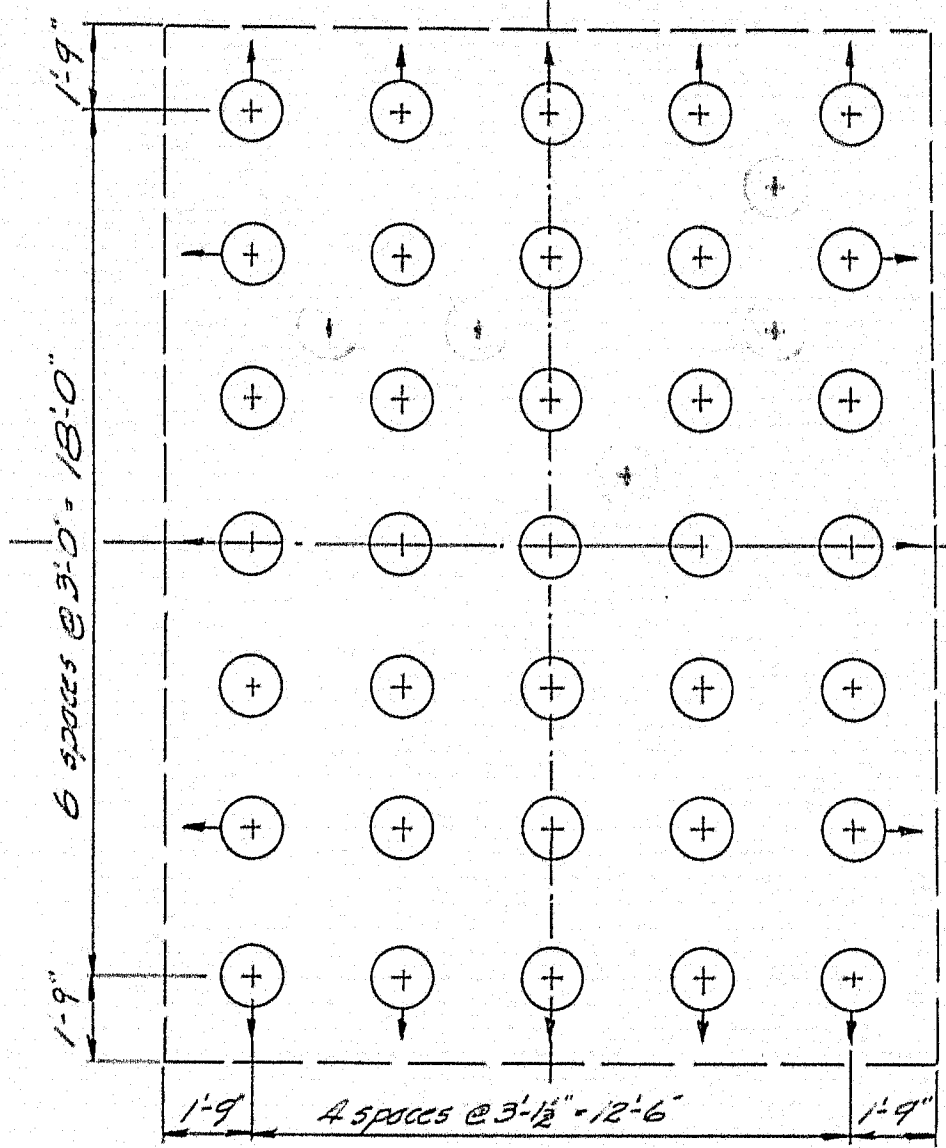
DESIGN	HAMILTON DET. R.D.	BRIDGE NO.	
TRACE	CLARK	SURVEY	
CHECK	A.B.P.	PILOT	
STATE HIGHWAY COMMISSION BRIDGE DIVISION			
BOND BROOK			
AND			
MT. VERNON AVE. BRIDGE			
INTERSTATE HIGHWAY			
IN THE CITY OF			
AUGUSTA			
KENNEBEC COUNTY			
ABUTMENTS			
SHEET 5 OF 17 AUGUSTA, MAINE DEC. 1957			

S. P. R.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	1-080-6(4)	6	17

NOTE: #3 spiral @ 3' pitch for full length of reinforcing. 1/2 extra turns of spiral/top & bot. Payment for spiral & #6 bar to be included with cast in place concrete piles.



Omit reinforcing spiral & #6 bars if casing exceeds 12" in thickness.

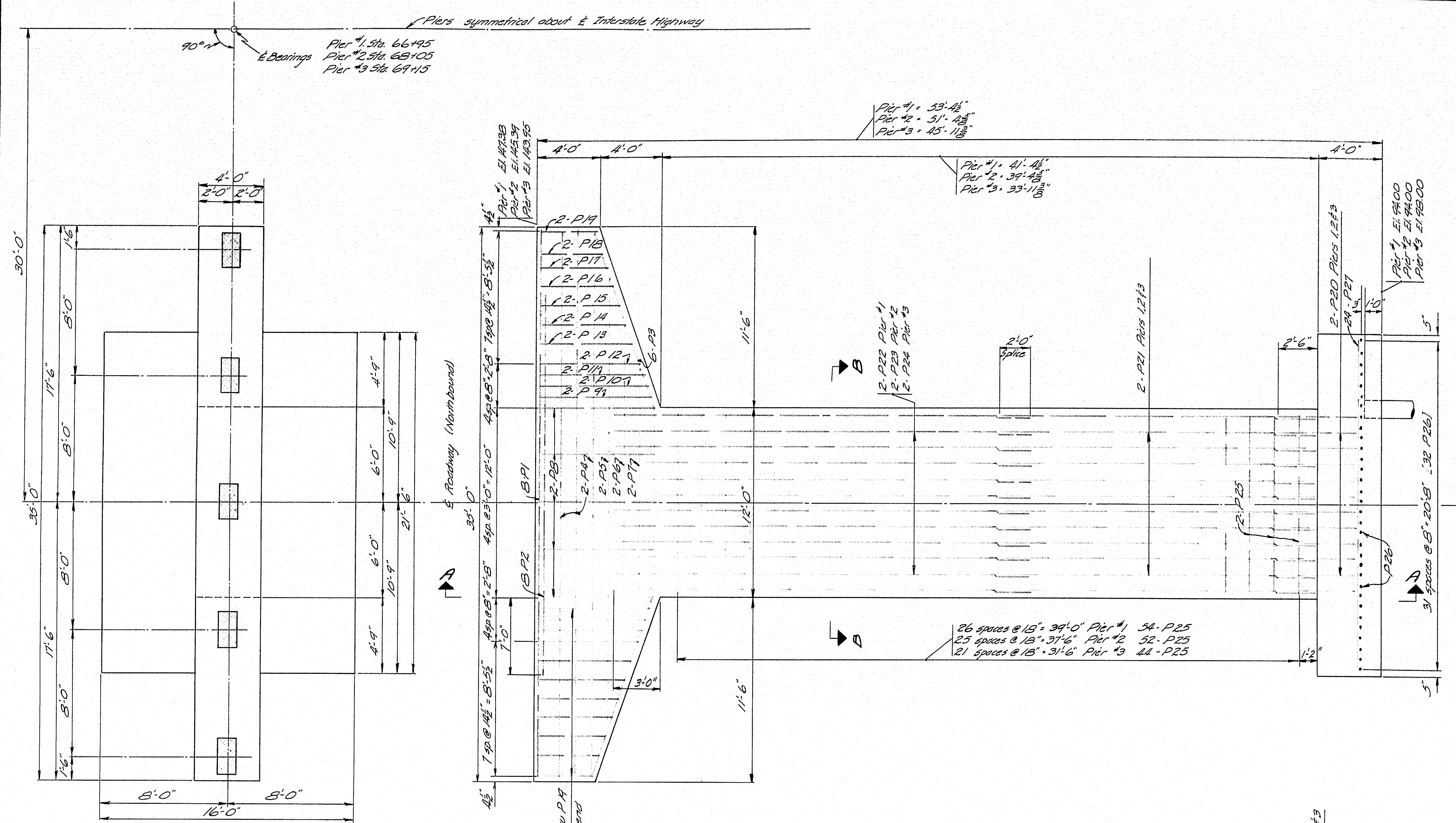


PILE PLAN

Note: All pier piles to be 12" dia. Cast in Place Concrete Piles with a minimum allowable load of 30 tons per pile. Piles indicated by the symbol ⊕ shall be battered 2 1/4" in the direction shown by the arrow. The estimated lengths are as follows:

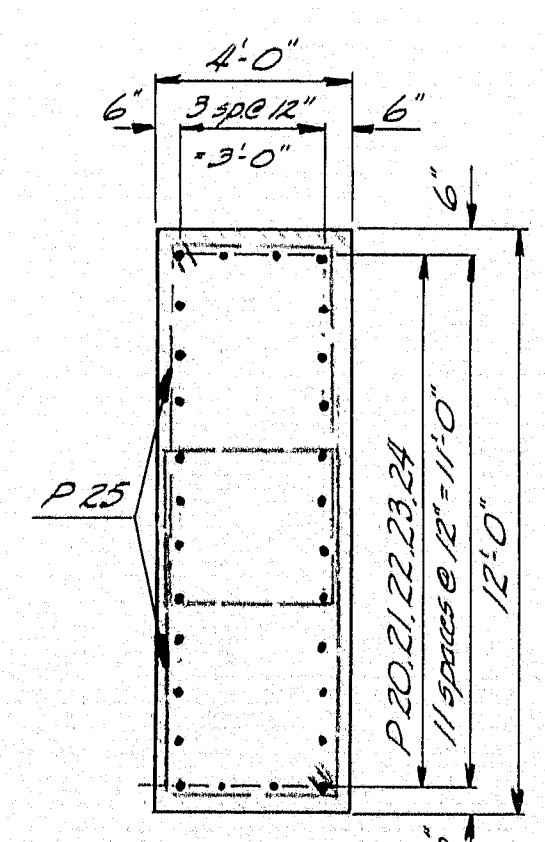
Pier	Location	South bound Roadway	North bound Roadway
1	13'	25'	
2	45'	30'	
3	35'	40'	

35 piles required per footing 210 total required.

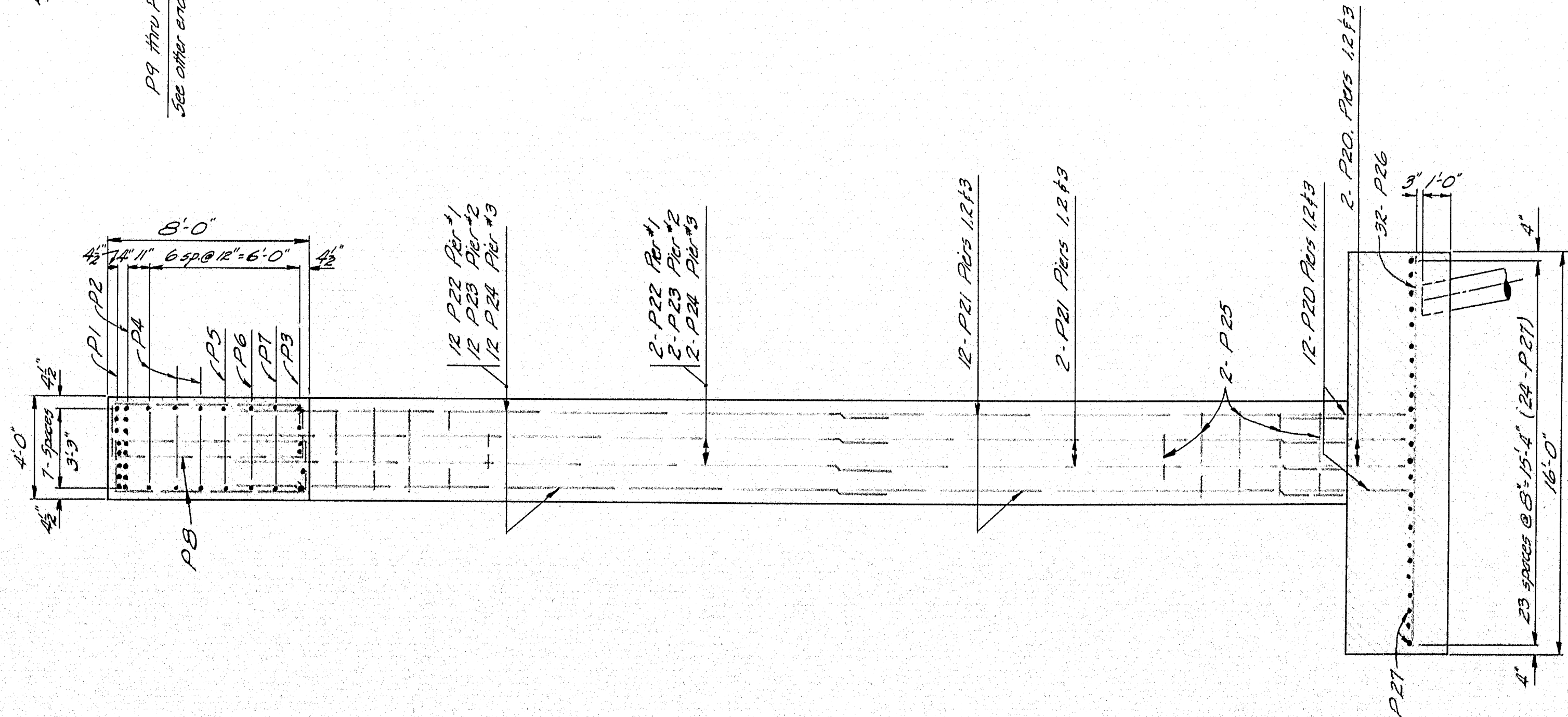


PLAN

Note: Dress shaded areas 1" larger all around than masonry exists to exact elevations shown. Place reinforcing steel in bridge seat so as to avoid interfering with anchor bolts.



SECTION B-B



SECTION A-A

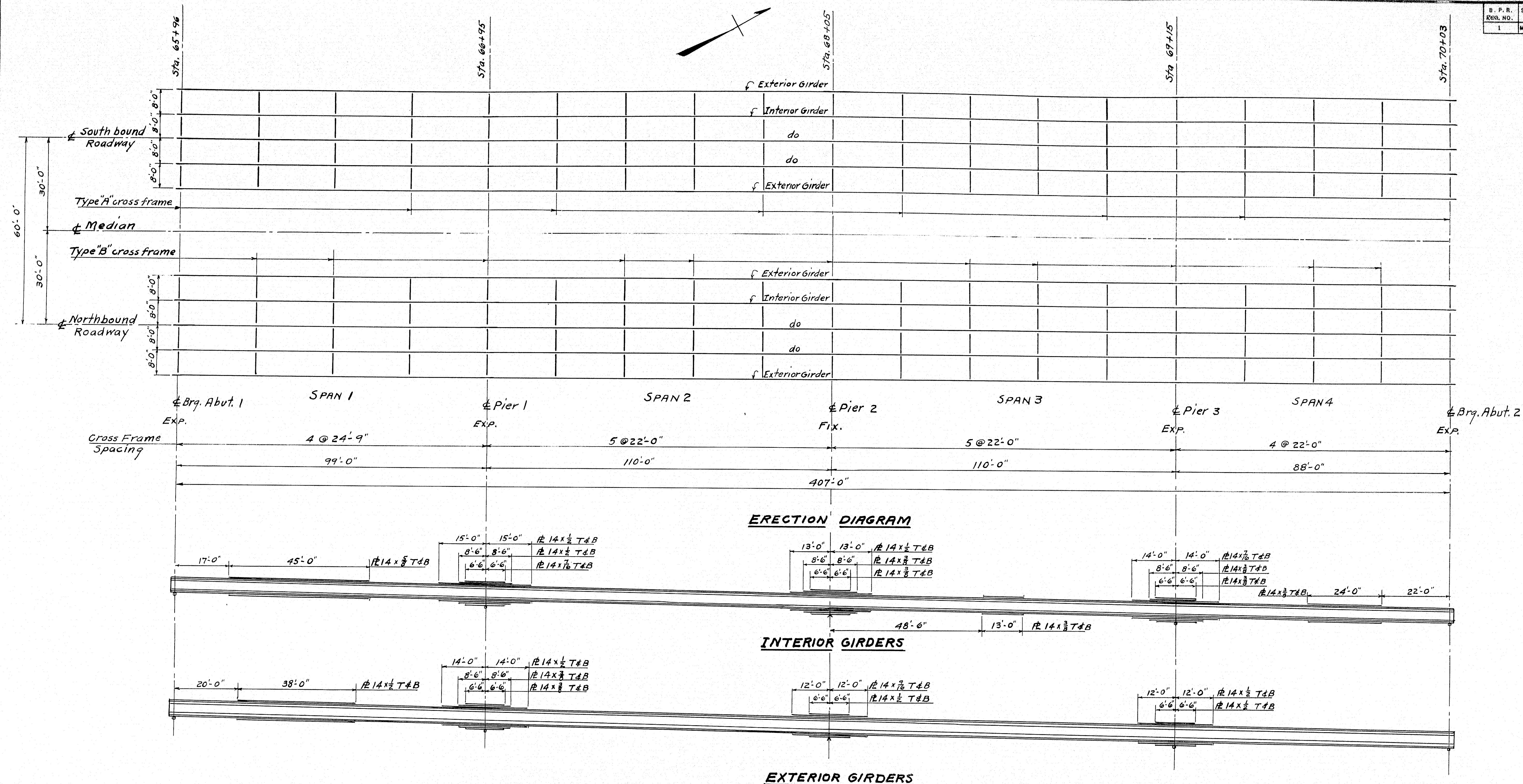
Revision Dec. 20, 1957
Reinforcing Steel for
Cast in Place Concrete Piles.

DESIGN-RISSEL
TRACE-MURRELL
CHECK-ALBRIGHT

BRIDGE NO.
SURVEY-
PL 01-

STATE HIGHWAY COMMISSION
BRIDGE DIVISION
BOND BROOK
AND
MT. VERNON AVE. BRIDGE
INTERSTATE HIGHWAY
IN THE CITY OF
AUGUSTA
KENNEBEC COUNTY
PIERS
SHEET 6 OF 17 AUGUSTA, MAINE NOV. 1957

B. P. B.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	J-080-644	7	17



BASIC SECTION
ALL GIRDERS
 4-Flg. 15 6x6x $\frac{3}{4}$
 Web 15 60x $\frac{3}{4}$
 5-0 $\frac{1}{2}$ " b.b 15

COVER PLATE LOCATION

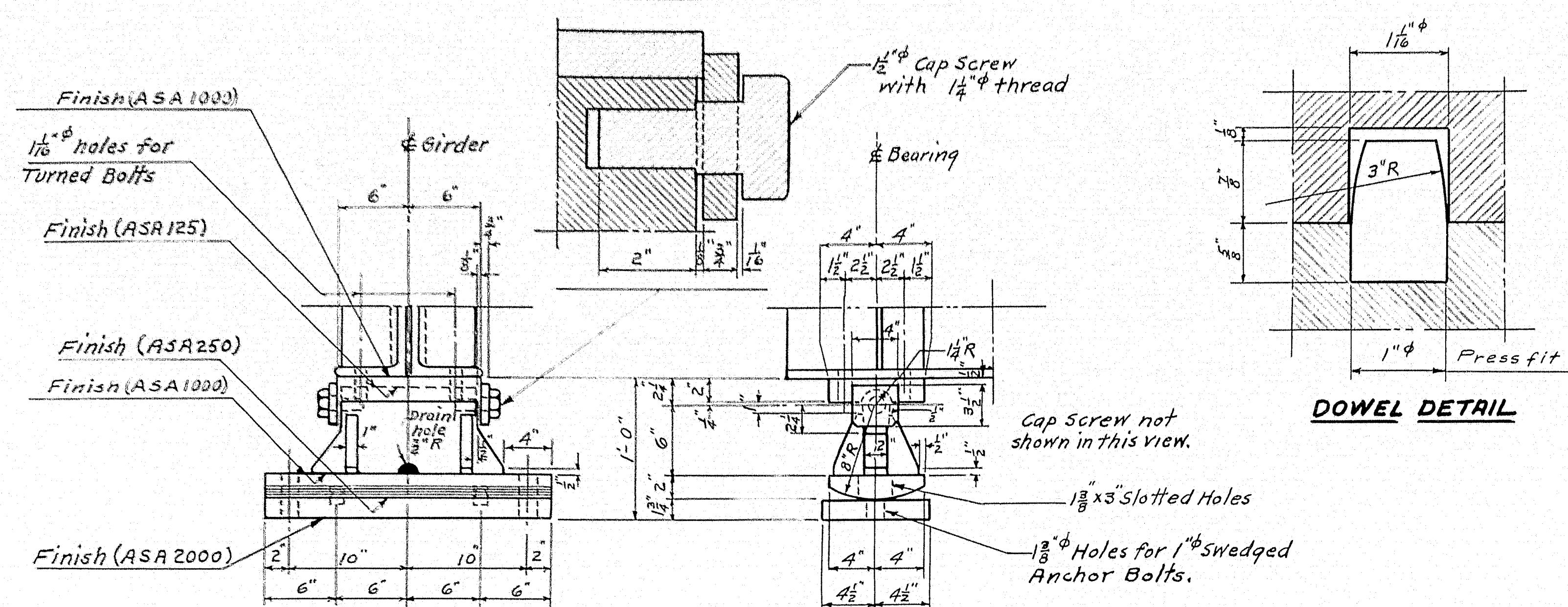
NOTE: All dimensions given on this drawing are horizontal.

DESIGN WAILEY	DET. WHITE	BRIDGE NO.
TRAC. WELCH	SURVEY -	
CHECK -	PLOT -	
STATE HIGHWAY COMMISSION		
BRIDGE DIVISION		
BOND BROOK		
AND		
MT. VERNON AVE. BRIDGE		
INTER STATE HIGHWAY		
IN THE CITY OF		
AUGUSTA		
KENNEBEC COUNTY		
STR. STEEL-ERECTION DIAGRAM-COVER PLATE LOCATION		
SHEET 7 OF 17 AUGUSTA, MAINE		DEC. 1957

70-183

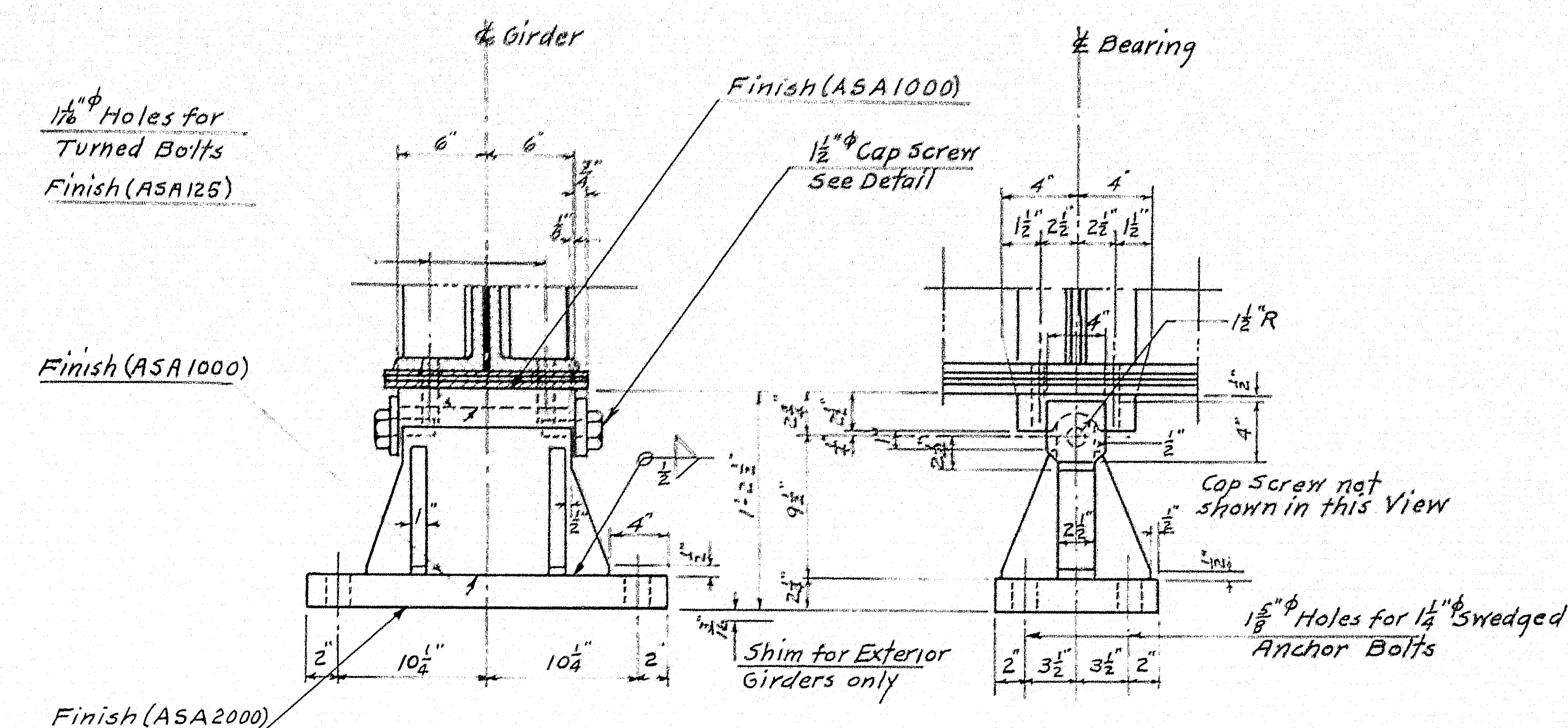
0 1 2 3 4 5 INCHES

B. P. R.	STATE	PROJECT NUMBER	SHEET	TOTAL
REQ. NO.			NO.	SHEETS
1	MAINE	1-080-640	8	17

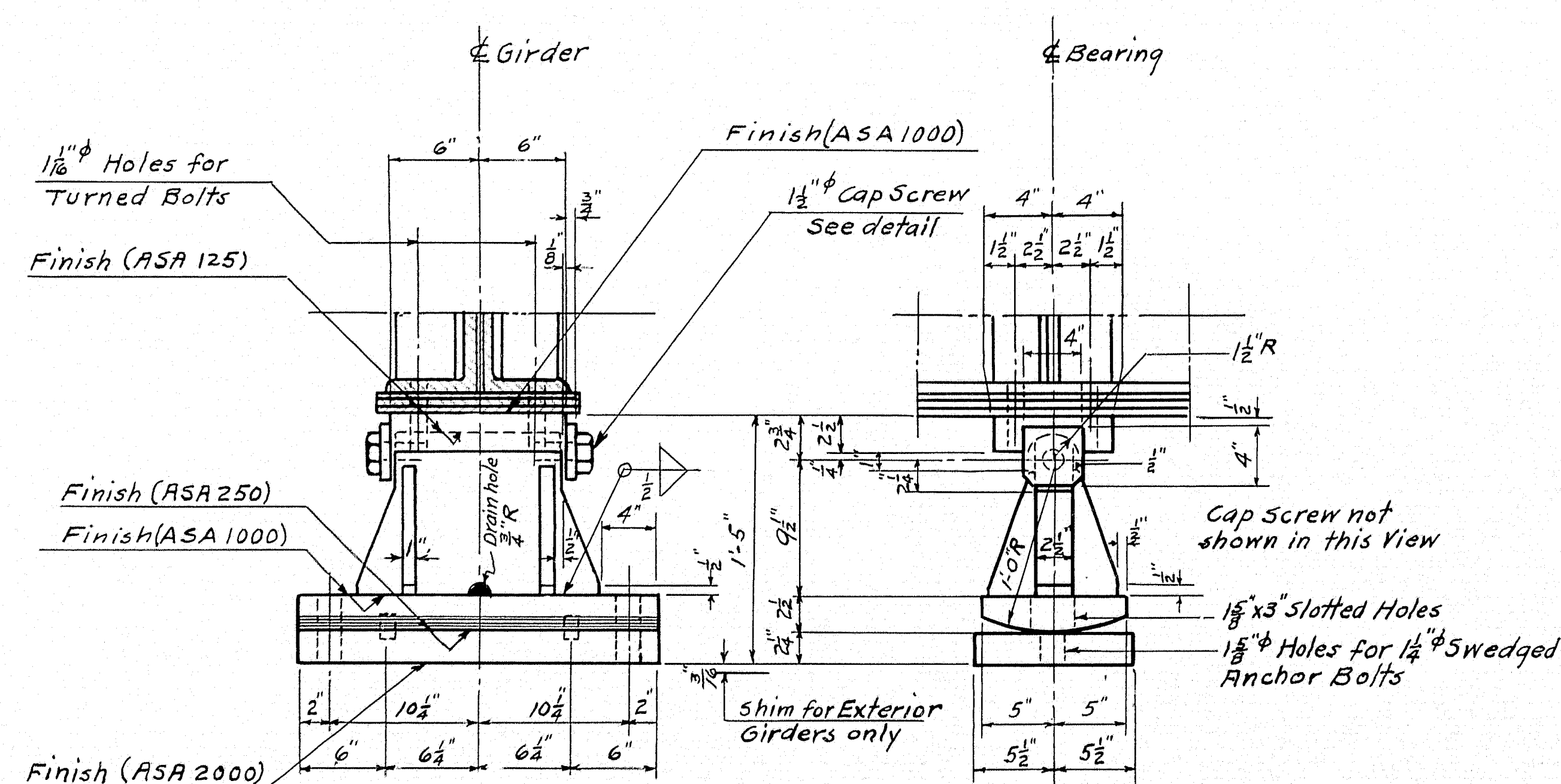


**EXPANSION PEDESTAL
AT ABUTMENTS**
20- REQ'D

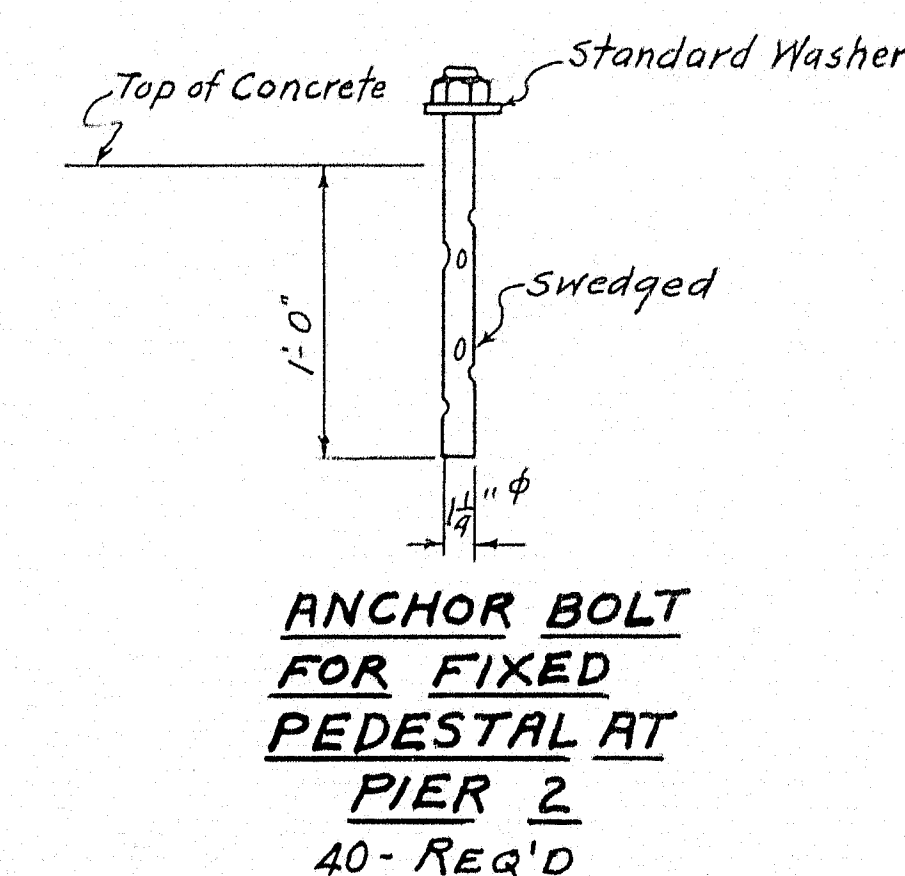
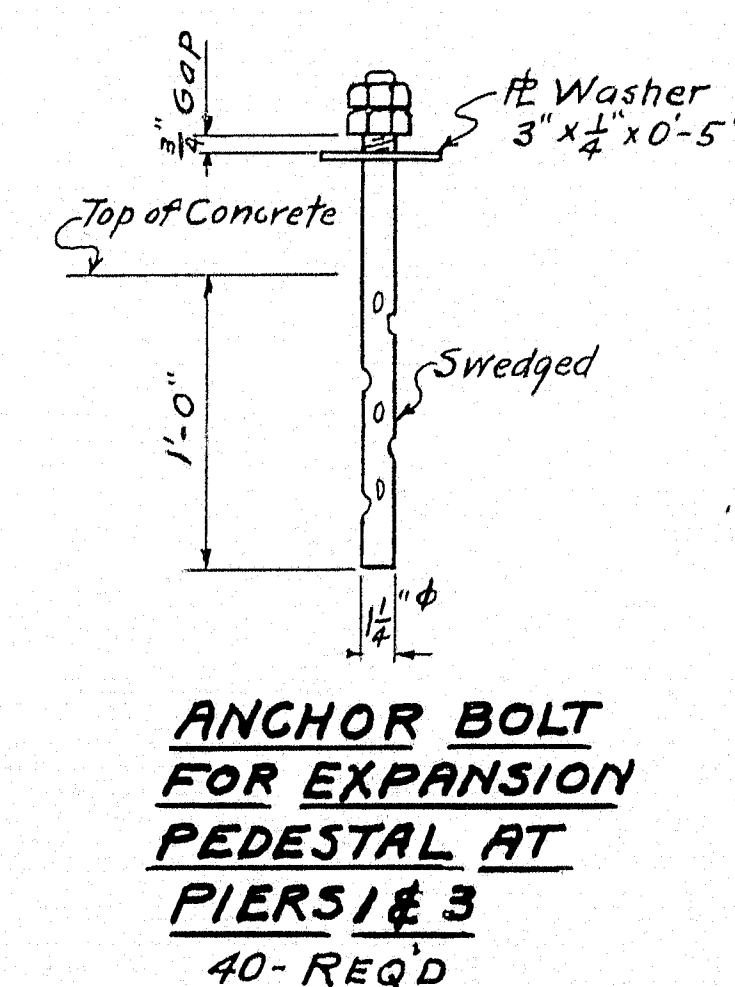
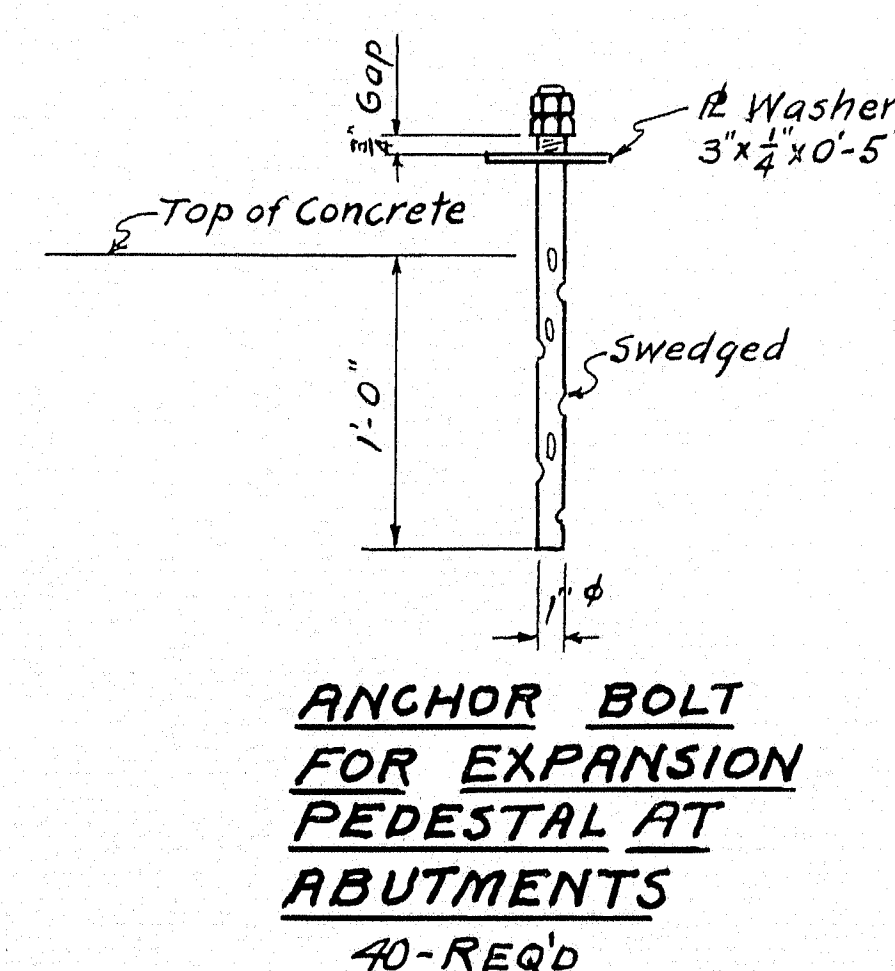
NOTE: All welds for Pedestals, Shop 3/8 Fillet unless noted.



**FIXED PEDESTAL
AT PIER 2**
10- REQ'D



**EXPANSION PEDESTAL
AT PIERS 1 & 3**
20- REQ'D

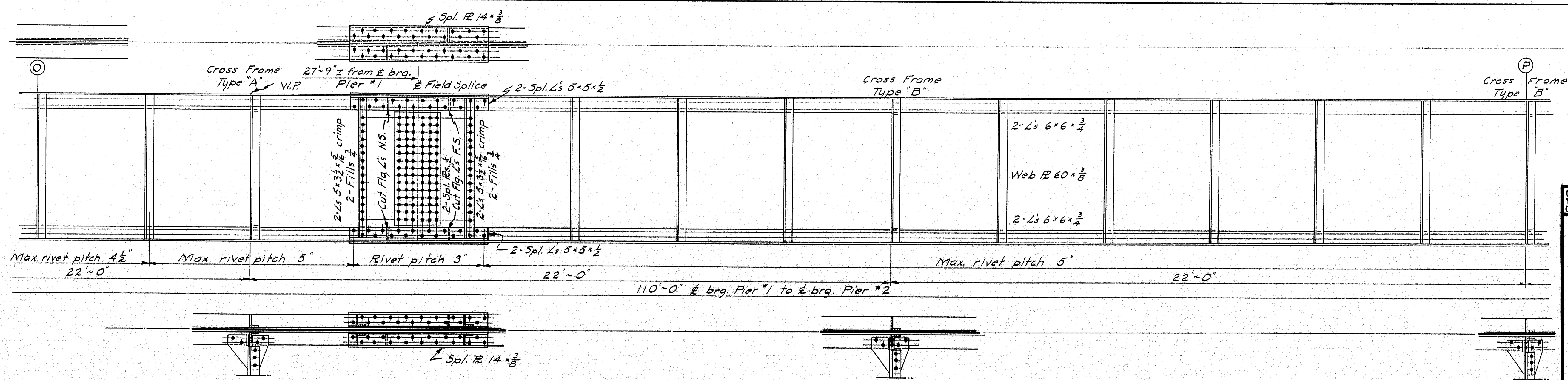
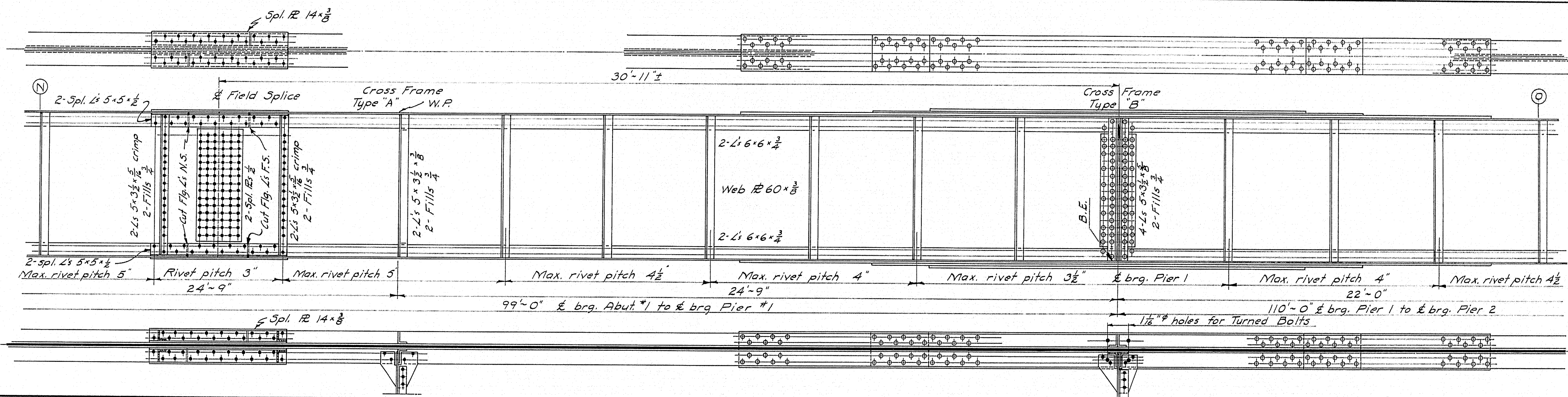
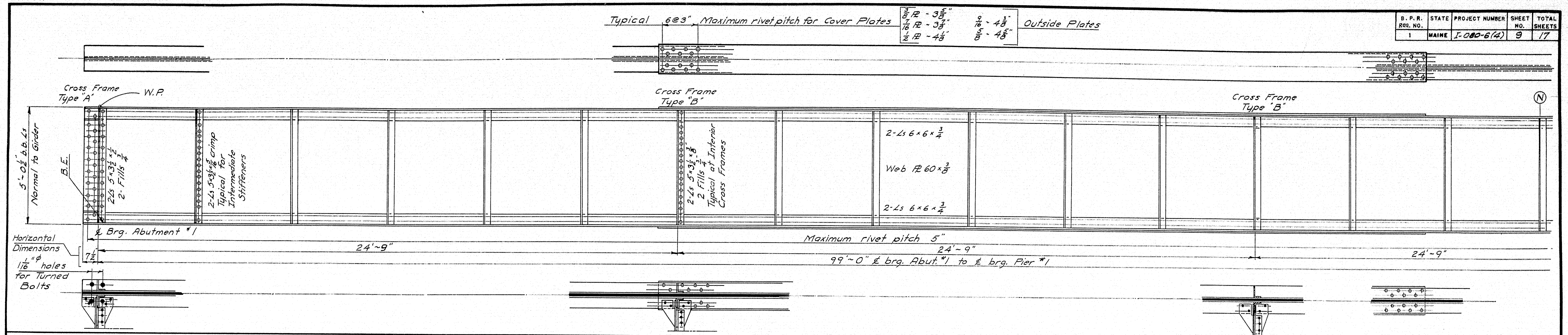


DESIGN - M.C.R. & W.B.H.
TRACE - G.C.W. DET. L.H.W.
CHECK - G.C.W. DET. L.H.W.

BRIDGE NO. 100
SURVEY NO. 100
PLOT - 100

STATE HIGHWAY COMMISSION
BRIDGE DIVISION
BOND BROOK
AND
MT. VERNON AVE. BRIDGE
INTERSTATE HIGHWAY
IN THE CITY OF
AUGUSTA
KENNEBEC COUNTY
STR. STEEL - PEDESTALS
SHEET 8 OF 17 AUGUSTA, MAINE DEC. 1957

B. P. R. REQ. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	I-080-6(4)	9	17



**SPECIFICATIONS FOR
STRUCTURAL STEEL**

Materials, Fabrication and Erection Shall Conform to the State of Maine, State Highway Commission Standard Specifications for Highways and Bridges Revision of January 1956. Design Shall Conform to the A. A. S. H. O. Standard Specifications for Highway Bridges 1953.

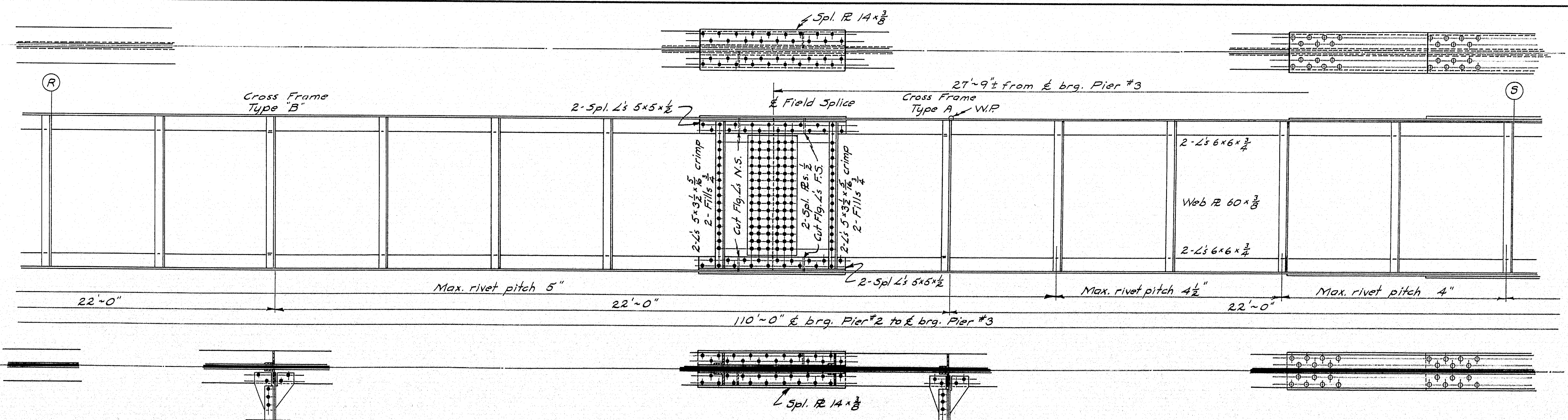
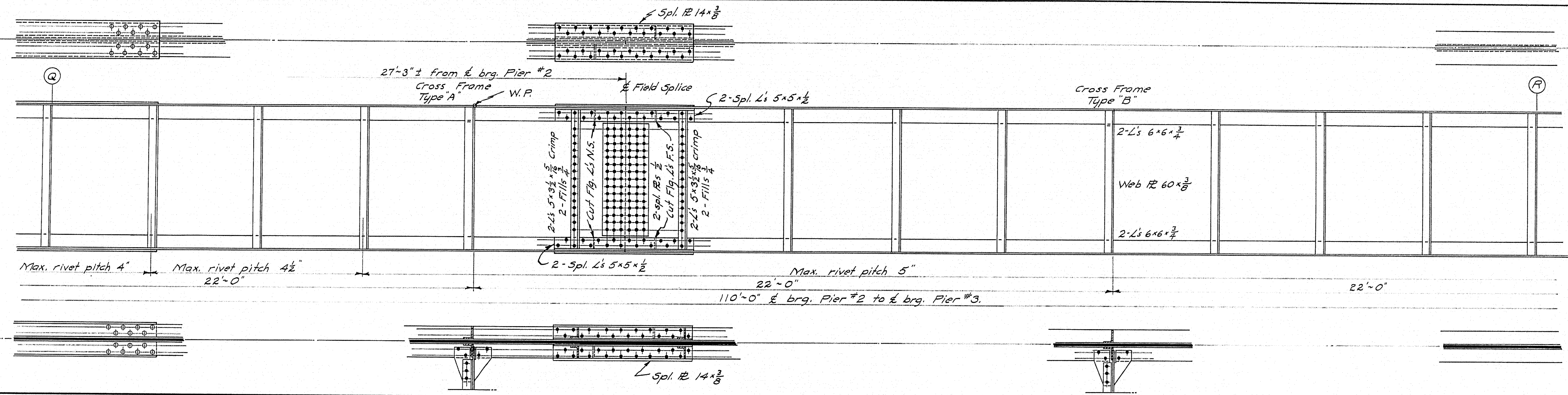
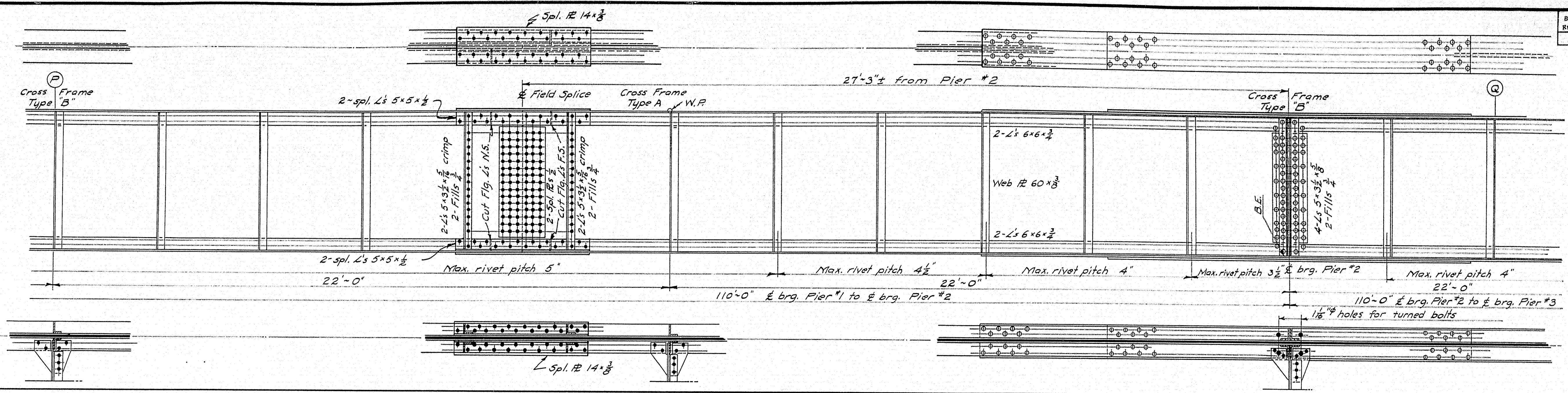
Loading - H20 - S16 - 44 (as modified for Interstate Highways.)

Notes-
Exterior Girder shown, Interior Girders
Similar.

Ends of Girders to be Vertical.
Stiffeners at Abutments, 1 and 2 to be Vertical.
Shop Connections $7/8"$ Rivets
Field Connections $7/8"$ Rivets or High
Tensile Strength Bolts.
Open Holes $15/16"$ Unless Noted.

Work This Sheet With Sheets <i>O</i> and <i>II</i>	
DESIGN-BAILEY DET-L.H.W. TRACE <i>Hamilton</i> CHECK	BRIDGE NO. SURVEY PLOT
STATE HIGHWAY COMMISSION BRIDGE DIVISION BOND BROOK AND MT. VERNON AVE. BRIDGE INTERSTATE HIGHWAY IN THE CITY OF AUGUSTA KENNEBEC COUNTY STR. STEEL GIRDERS	
SHEET <i>9</i> OF <i>17</i>	AUGUSTA, MAINE DEC. 1957

B. P. R.	STATE	PROJECT NUMBER	SHEET	TOTAL
1	MAINE	I-080-644	10	17



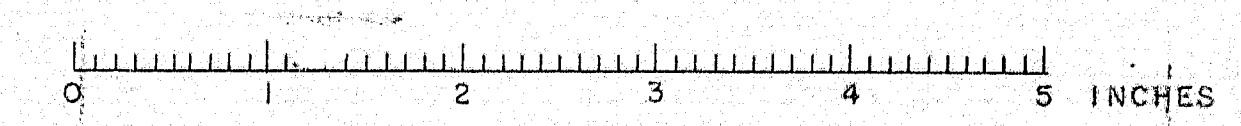
Work this sheet with sheets 9 and 11

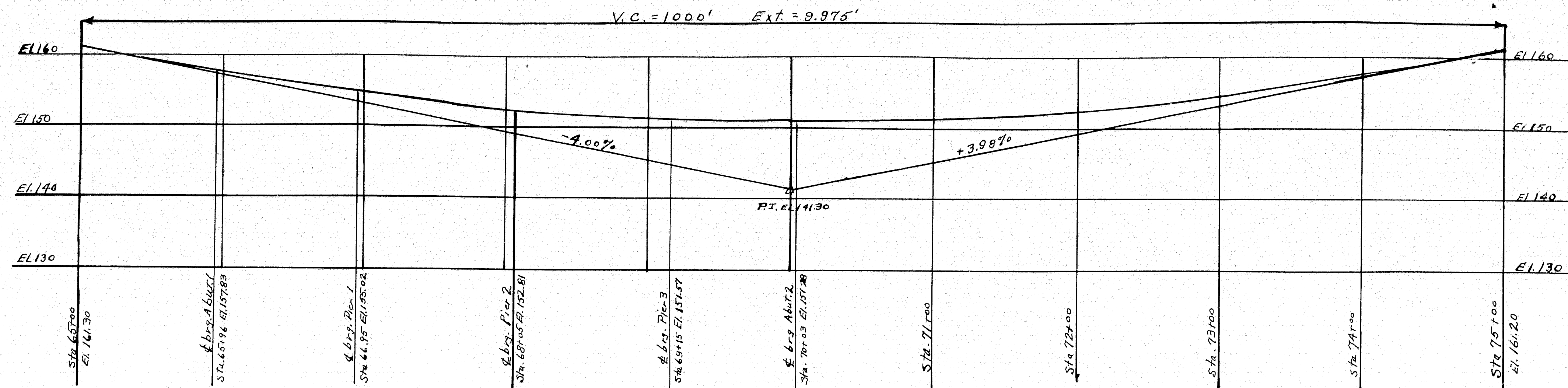
DESIGN - BAILEY DET.-L.H.W.	BRIDGE NO.
TRACE - " "	SURVEY
CHECK - " "	PLOT -

STATE HIGHWAY COMMISSION
BRIDGE DIVISION
BOND BROOK
AND
MT. VERNON AVE. BRIDGE
INTER STATE HIGHWAY
IN THE CITY OF
AUGUSTA
KENNEBEC COUNTY
STR. STEEL GIRDERS

SHEET 10 OF 17 AUGUSTA, MAINE DEC. 1957

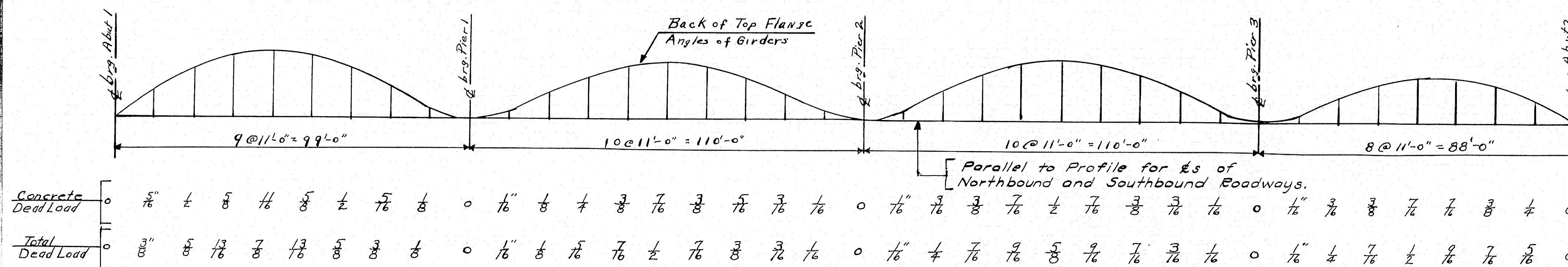
70-186





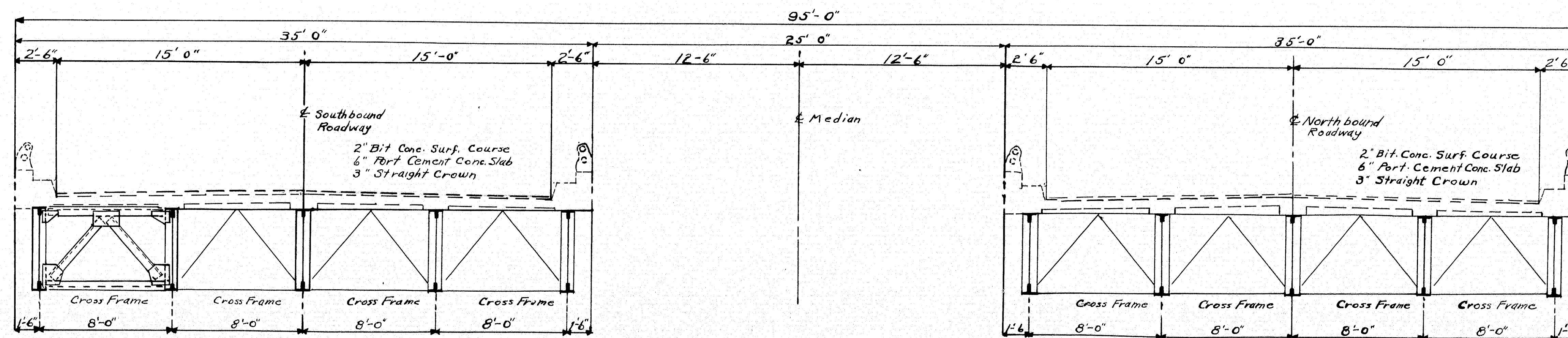
PROFILE FOR E's OF NORTHBOUND AND SOUTHBOUND ROADWAYS

Scale - 1" = 50' Hor. 1" = 10' Vert.



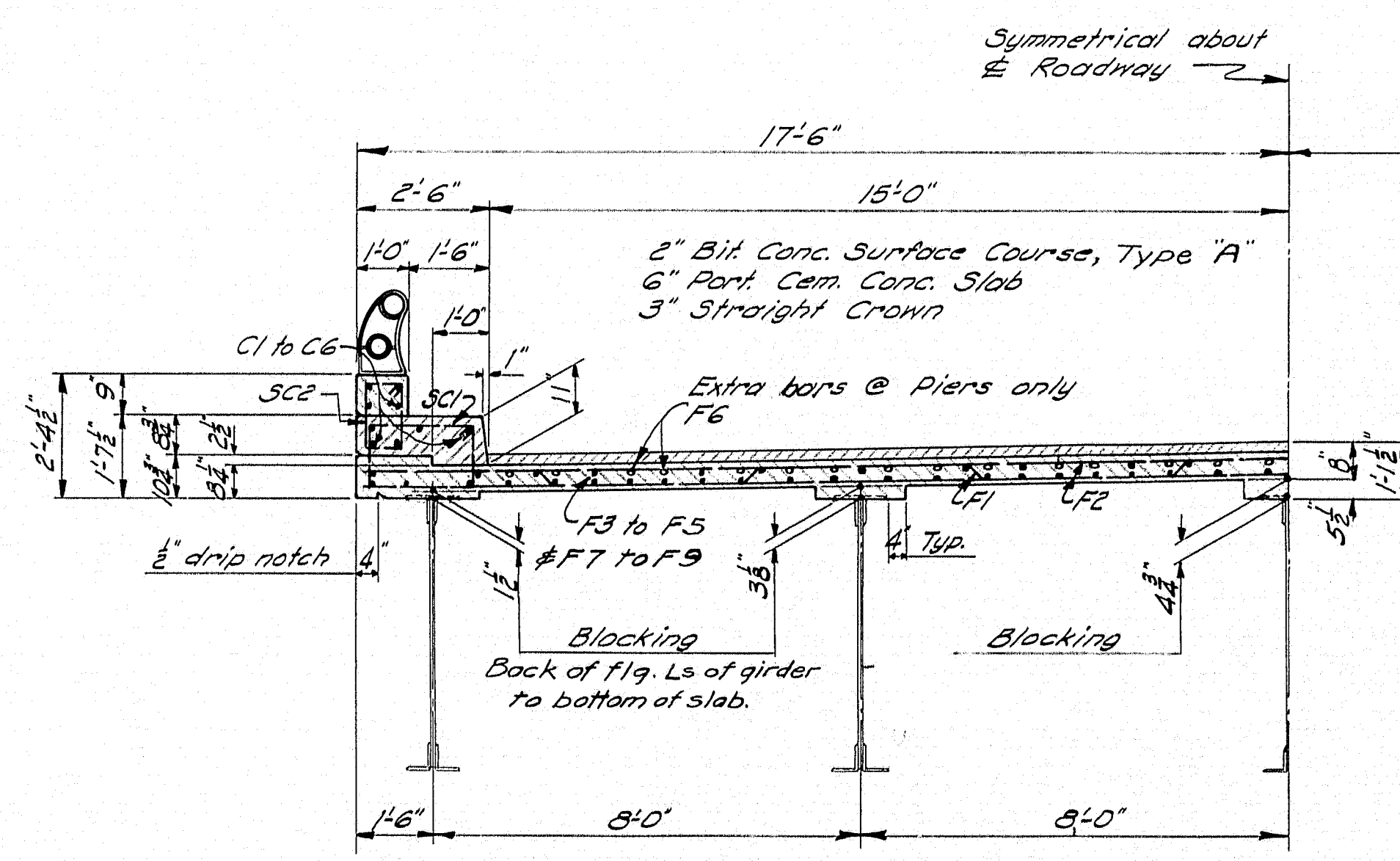
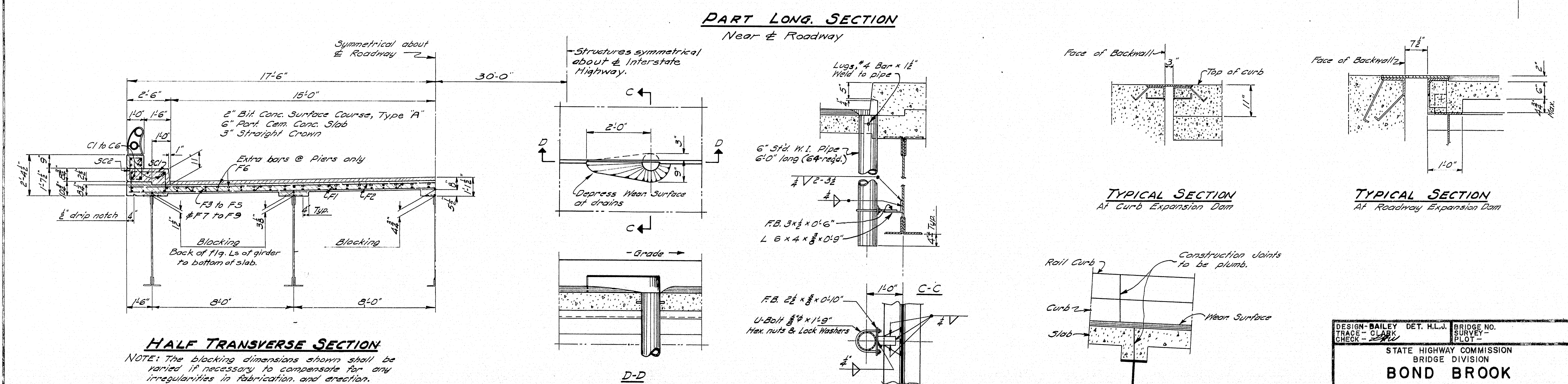
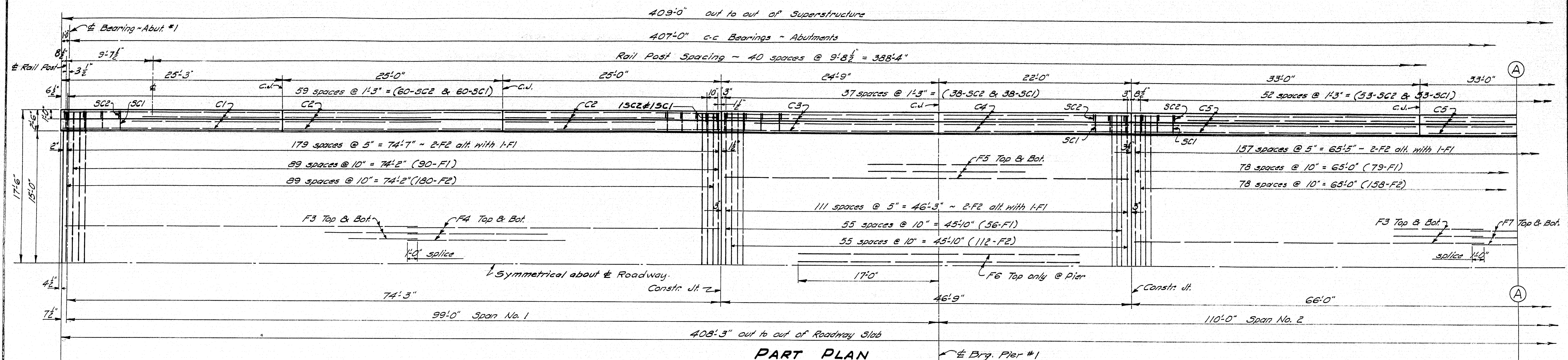
CAMBER DIAGRAM
Camber for Total Dead Load

TABLE OF MAXIMUM MOMENTS - SHEARS - REACTIONS						
	Max. Mom. Kip. Ft.	Gross I In. 4	Net I In. 4	Max. Shear Kips	Max. Reaction Kips	Girder
Abut. 1				105	105	Interior
Span 1	+ 1983	50573	40089			do
Pier 1	- 2692	72835	58853	139	249	do
Span 2	+ 1379	34227	26311			do
Pier 2	- 2462	67502	54332	130	235	do
Span 3	+ 1478	43954	34510			do
Pier 3	- 2459	65862	52975	131	238	do
Span 4	+ 1555	43954	34510			do
Abut. 2				97	97	do
Abut. 1				93	93	Exterior
Span 1	+ 1753	47250	37288			do
Pier 1	- 2357	67502	54332	122	218	do
Span 2	+ 1228	34227	26311			do
Pier 2	- 2161	62416	50071	114	205	do
Span 3	+ 1313	34227	26311			do
Pier 3	- 2154	60734	48628	115	208	do
Span 4	+ 1379	34227	26311			do
Abut. 2				85	85	do



TRANSVERSE SECTION

DESIGN - BAILEY DET. L.H.W. BRIDGE NO. 100
TRACE - RESERVE SURVEY - PLOT
CHECK -
STATE HIGHWAY COMMISSION
BRIDGE DIVISION
BOND BROOK
AND
MT. VERNON AVE. BRIDGE
INTERSTATE HIGHWAY
IN THE CITY OF
AUGUSTA
KENNEBEC COUNTY
STR. STEEL CAMBER DIAGRAM - TABLE OF MAX. MOMENTS
SHEET 13 OF 17 AUGUSTA, MAINE DEC. 1957

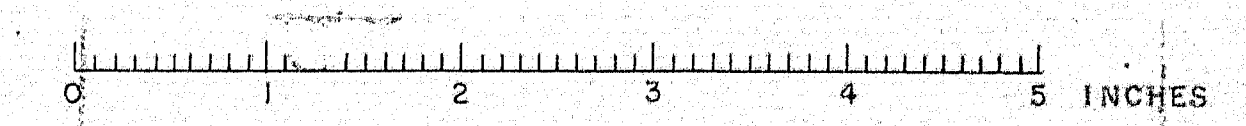


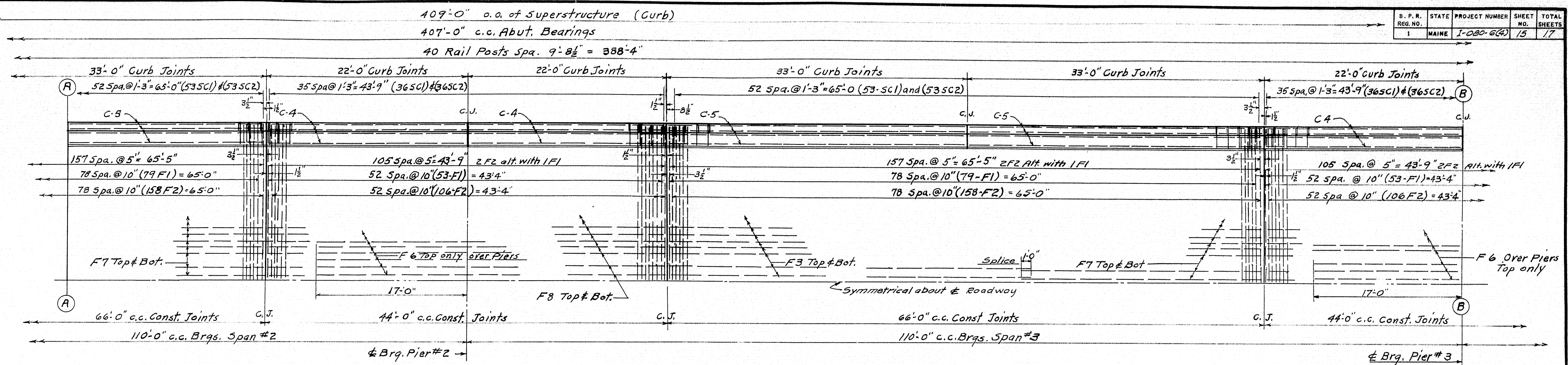
NOTE: The blocking dimensions shown shall be varied if necessary to compensate for any irregularities in fabrication and erection. For finished grades along structure, see sheet # 15. For concrete D.L. Deflection, see sheet # 13.

DRAIN DETAILS
 64-Drains required
 See Sh. # 16 for Locations of Drains.

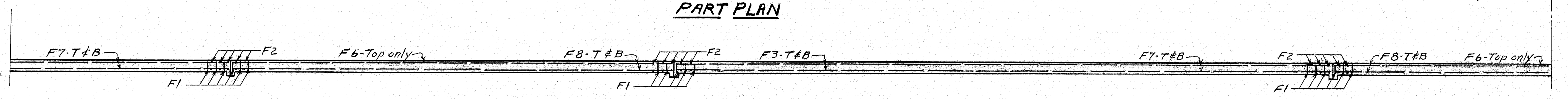
CONSTRUCTION JOINTS
 Typical
 Break bond at construction joints in curbs and rail parapets with a coat of asphalt paint. Construct 1/2" V-groove at joints, at interior faces, top parapet & exterior face of bridge.

DESIGN - BAILEY DET. H.L.J. BRIDGE NO. 1
 TRACE - CLARK SURVEY - PLOT
 CHECK - [Signature]
 STATE HIGHWAY COMMISSION
 BRIDGE DIVISION
BOND BROOK
 AND
MT. VERNON AVE. BRIDGE
 INTERSTATE HIGHWAY
 IN THE CITY OF
AUGUSTA
KENNEBEC COUNTY
 SUPERSTRUCTURE
 SHEET 14 OF 17 AUGUSTA, MAINE DEC. 1957

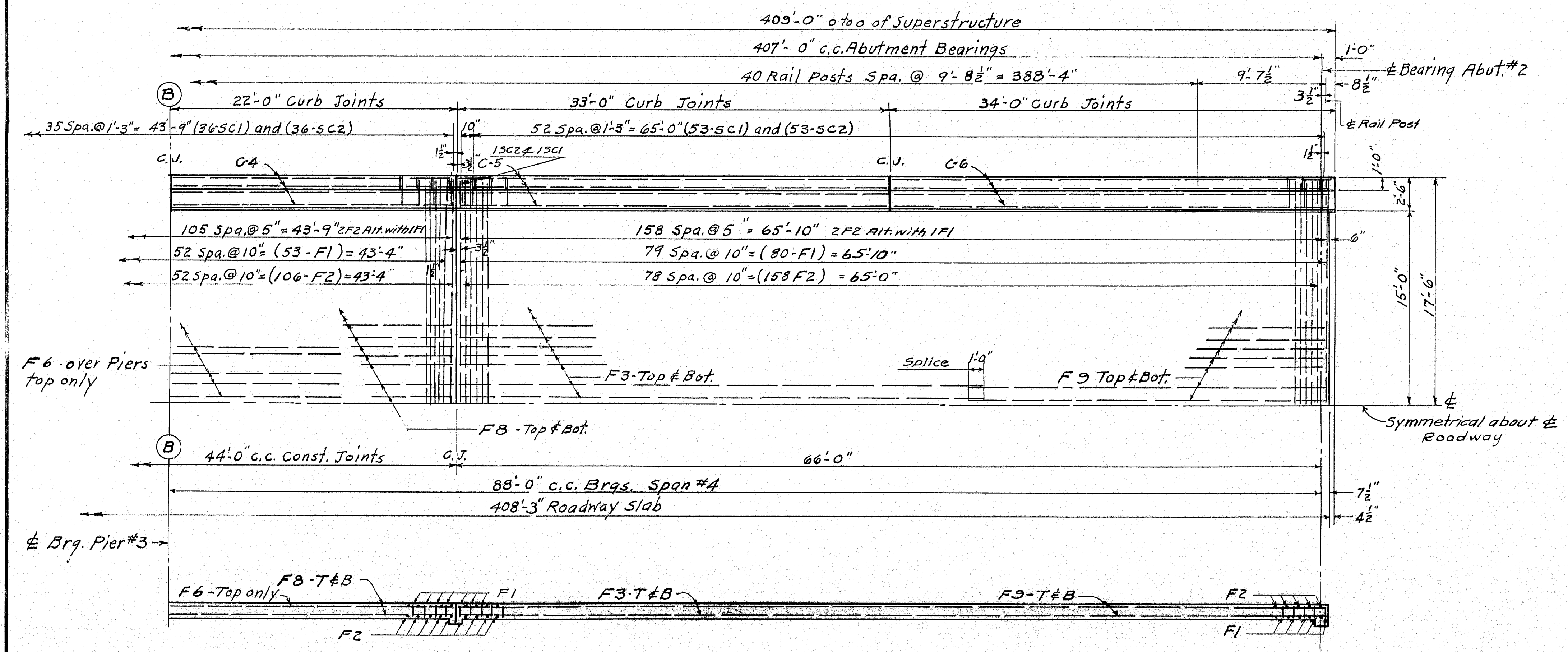




PART PLAN



PART LONGITUDINAL SECTION
 Near & roadway



Station	± F.G. Elev.
± Brq. Abut. #1	65 + 96 157.83
66 + 07	157.48
66 + 18	157.14
66 + 29	156.80
66 + 40	156.48
66 + 51	156.17
66 + 62	155.87
66 + 73	155.57
66 + 84	155.29
± Brq. Pier #1	66 + 95 155.02
67 + 06	154.75
67 + 17	154.50
67 + 28	154.25
67 + 39	154.02
67 + 50	153.79
67 + 61	153.58
67 + 72	153.37
67 + 83	153.18
± Brq. Pier #2	67 + 94 152.99
68 + 05	152.81
68 + 16	152.64
68 + 27	152.49
68 + 38	152.34
68 + 49	152.20
68 + 60	152.07
68 + 71	151.95
68 + 82	151.84
68 + 93	151.74
± Brq. Pier #3	69 + 04 151.63
69 + 15	151.57
69 + 26	151.50
69 + 37	151.44
69 + 48	151.39
69 + 59	151.35
69 + 70	151.31
69 + 81	151.29
± Brq. Abut. #2	69 + 92 151.28
70 + 03	151.28

All dimensions horizontal.
 All construction joints to be plumb.

FINISH GRADE ELEVATIONS
 At & of Northbound and Southbound Roadways.

DESIGN - BAILEY DET. H.L.J.
 TRACE - WELCH
 CHECK - [Signature]

BRIDGE NO. SURVEY - PLOT -

STATE HIGHWAY COMMISSION
 BRIDGE DIVISION

BOND BROOK
 AND
MT. VERNON AVE. BRIDGE
 INTERSTATE HIGHWAY

IN THE CITY OF
AUGUSTA
 KENNEBEC COUNTY

SUPERSTRUCTURE
 SHEET 15 OF 17 AUGUSTA, MAINE DEC. 1957

B. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	I-080-6(4)	17	17



Mark	No	Size	Length	Location
P1	48	" 11	34'-6"	Pier Caps-Horiz.
P2	48	11	26'-0"	" " "
P4	36	6	34'-6"	" " "
P5	12	6	29'-9"	" " "
P6	12	6	24'-0"	" " "
P7	12	6	18'-3"	" " "
P20	168	9	5'-0"	" Footing dowels
P21	168	9	20'-0"	" Col. Vertical
P22	56	9	26'-4"	" " "
P23	56	9	24'-4"	" " "
P24	56	9	18'-11"	" " "
P26	192	11	15'-6"	" " Footings
P27	144	9	21'-0"	" " "
A1	48	4	3'-10"	Abutment rail posts
A2	32	4	15'-2"	Rail Curb & curb
A4	208	5	15'-3"	Abutment wings, horiz
A5	128	5	13'-0"	" " Vertical
A6	128	5	13'-3"	" " "
A7	92	6	3'-9"	" Wings @ piles
A8	40	6	34'-6"	" Bridge Seats,
A9	32	4	34'-6"	" Breastwalls,
A10	28	6	34'-6"	" Breast Walls @ Piles
A11	98	6	6'-11"	" " " "
A12	80	6	12'-6"	" Backwalls.
A13	80	5	6'-3"	" "
A14	96	5	4'-10"	" Bridge Seats
A15	36	6	18'-9"	" Wings @ Piles,

Mark	No	Size	Length	Location
P3	36	* 6	35'-10"	Pier Caps
P8	60	" 6	19'-7"	" "
P9	24	6	19'-2"	" "
P10	24	6	18'-8"	" "
P11	24	6	18'-3"	" "
P12	24	6	17'-9"	" "
P13	24	6	16'-11"	" "
P14	24	6	16'-1"	" "
P15	24	6	15'-3"	" "
P16	24	6	14'-5"	" "
P17	24	6	13'-7"	" "
P18	24	6	12'-9"	" "
P19	24	6	11'-10"	" "
P25	300	5	21'-6"	Pier Columns
P28	420	6	6'-4"	In tops of piles
SC1	1324	4	5'-2"	Roadway Slab curb
SC2	1324	4	4'-2"	Rail Post Curb
F1	980	5	35'-7"	Roadway Slab- Transverse
A16	40	4	5'-7"	Abutment rail post
A17	128	4	3'-11"	" rail curb
A18	128	4	6'-4"	" curb
A19	56	6	2'-6"	Dowels- Abutments- to approach slab

C1	36	4	24'-8"	Curbs
C2	72	4	24'-8"	"
C3	36	4	24'-5"	"
C4	180	4	21'-8"	"
C5	180	4	32'-8"	"
C6	36	4	33'-8"	"
F2	1856	5	34'-8"	Slab Transverse
F3	528	4	40'-0"	" Longitudinal
F4	132	4	35'-7"	" "
F5	132	4	44'-8"	" "
F6	180	4	34'-0"	Top of Slab over Piers
F7	264	4	26'-8"	Longitudinal
F8	264	4	43'-8"	Longitudinal
F9	132	4	27'-4"	Longitudinal
Z1	80	5	27'-8"	Approach Slab Transverse
Z2	448	7	14'-8"	" " Longitudinal

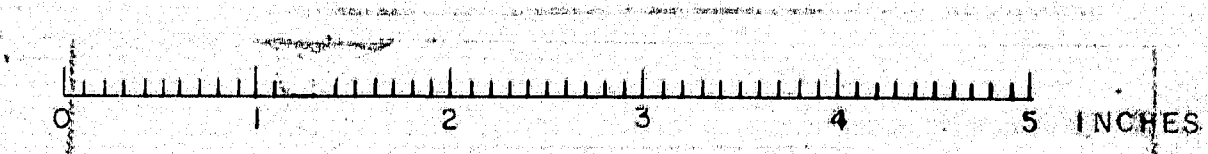
DESIGN - *MM*
TRACE - *ABP*
CHECK - *L.H.W.*

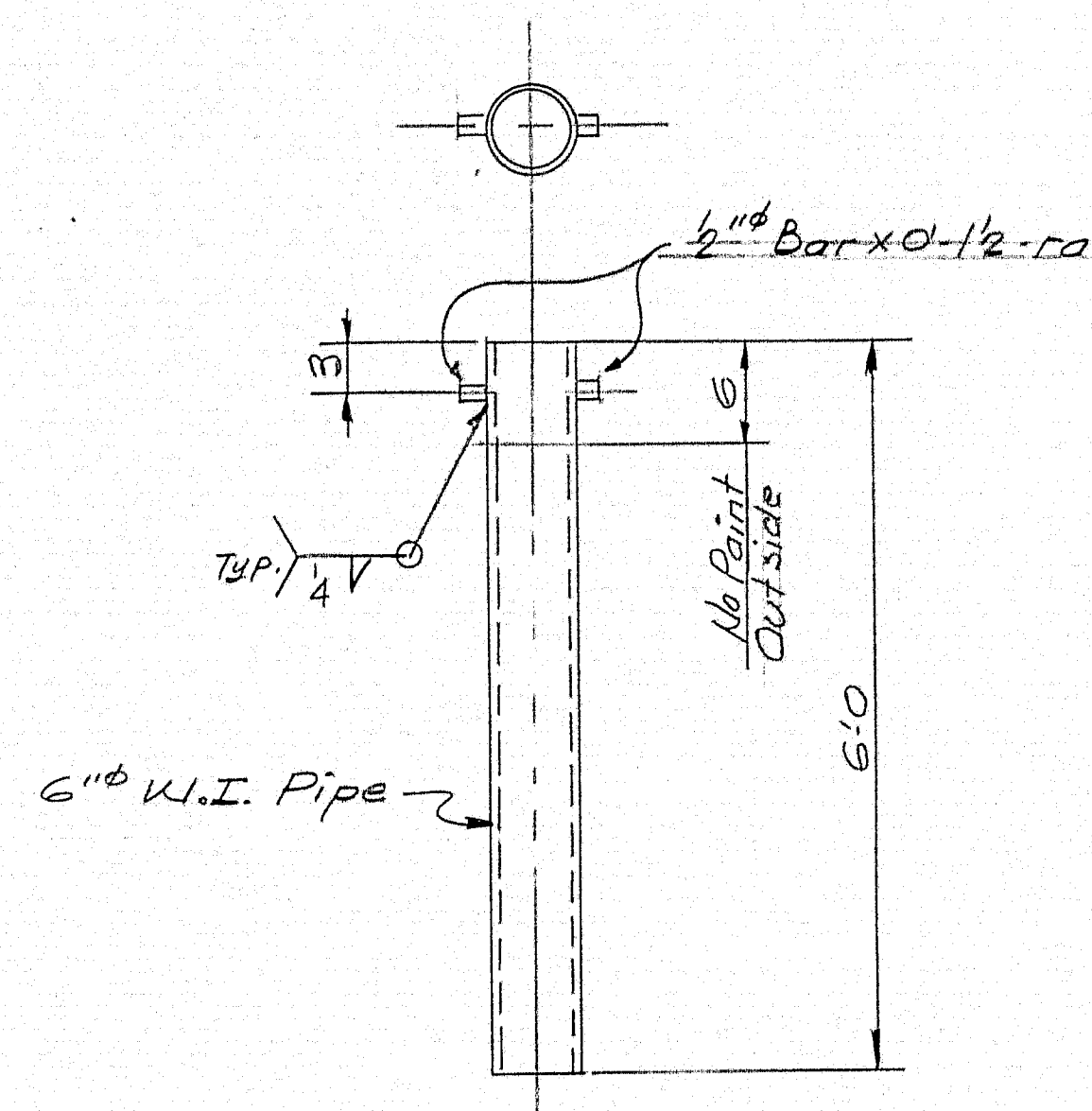
DETH.L.U.
PLOT -

BRIDGE NO.
SURVEY -
PLOT -

STATE HIGHWAY COMMISSION
BRIDGE DIVISION
BOND. BROOK
M. AND. R.
MT. VERNON AVE. BRIDGE
INTER STATE HIGHWAY
IN THE CITY OF
AUGUSTA
KENNEBEC COUNTY
REINFORCING - STEEL

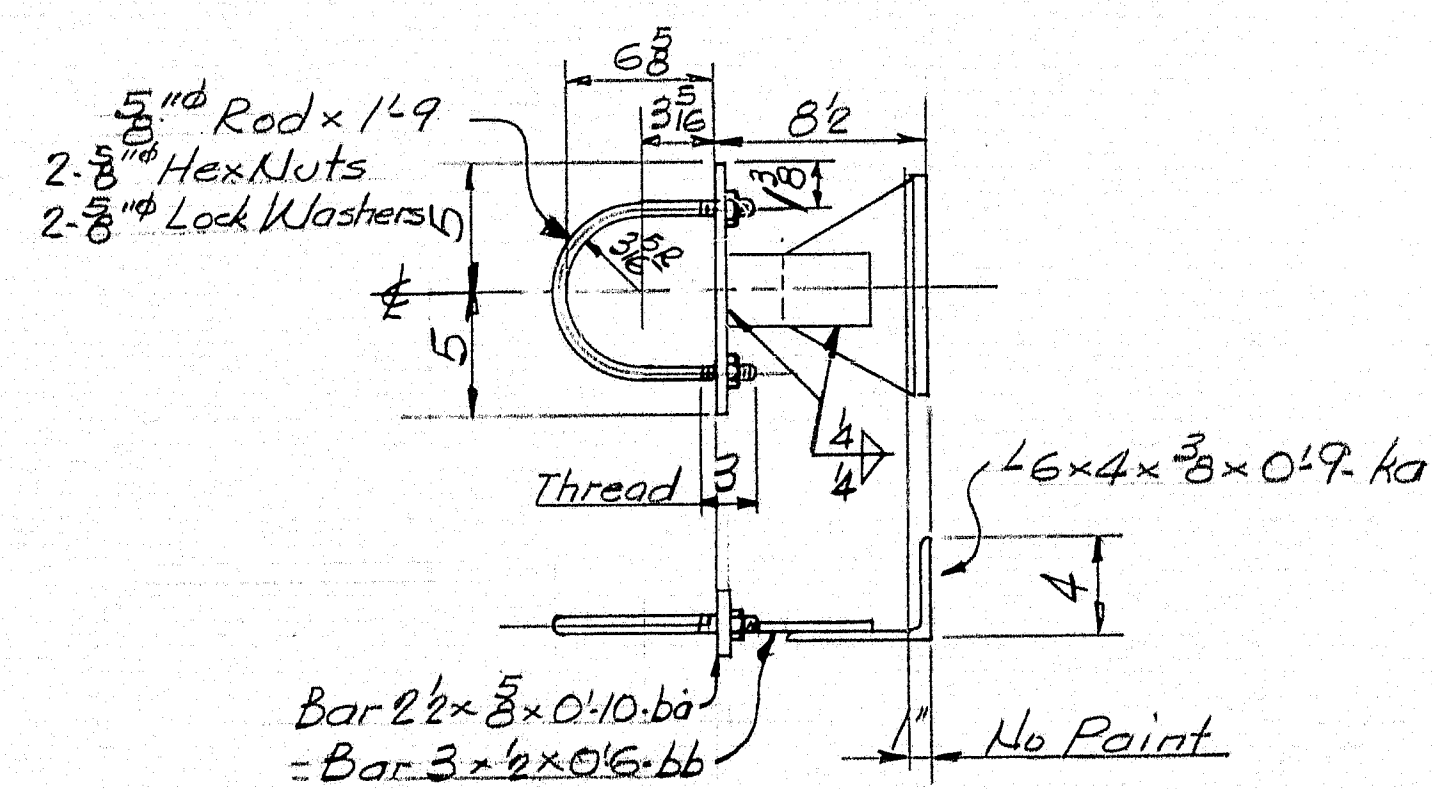
SHEET *17* OF *17* AUGUSTA, MAINE DEC., 1951





Paint pipe inside & outside
except as noted.

DRAIN-DI-64 REQ'D



Do not paint threads

HANGERS-HI-64 REQ'D

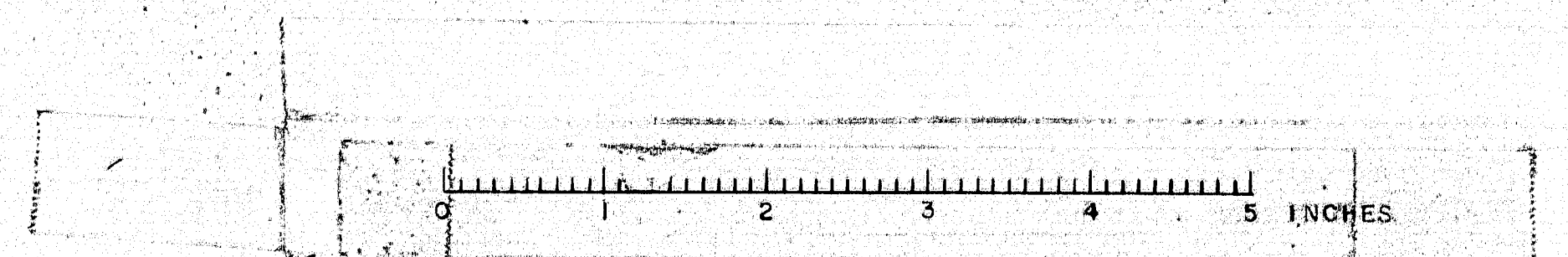
ITEM #102-103

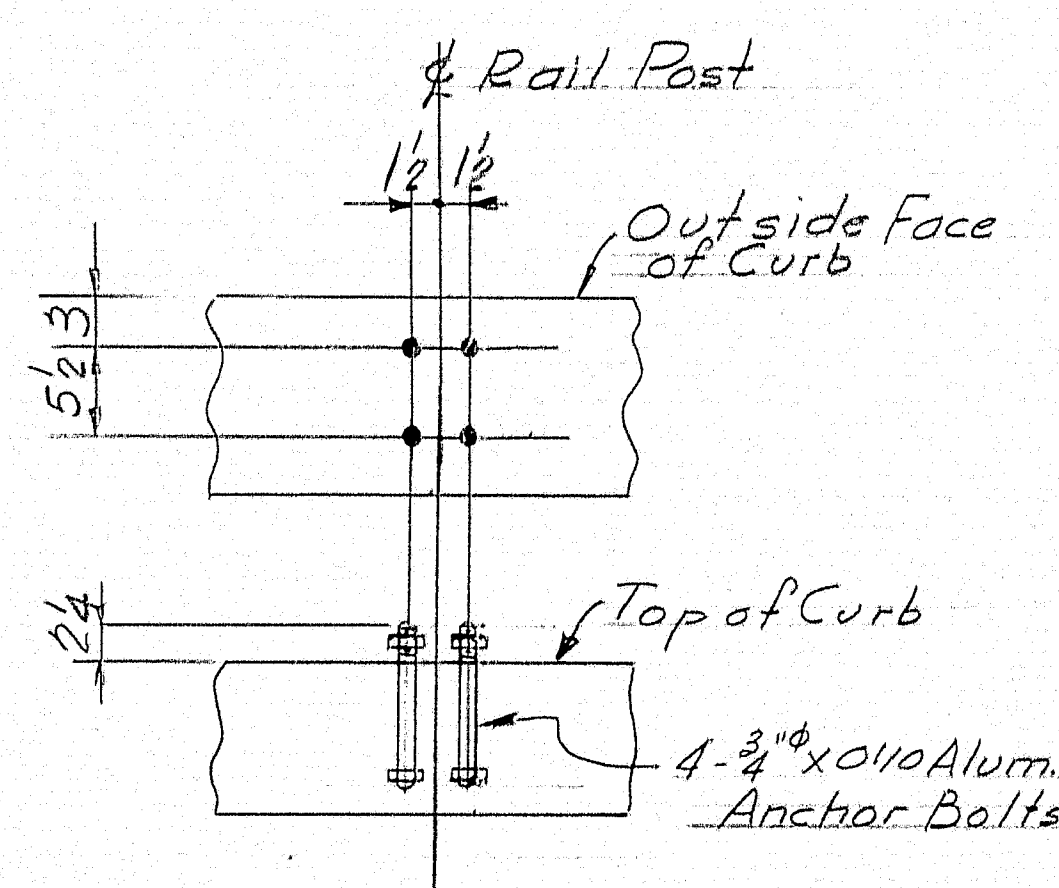
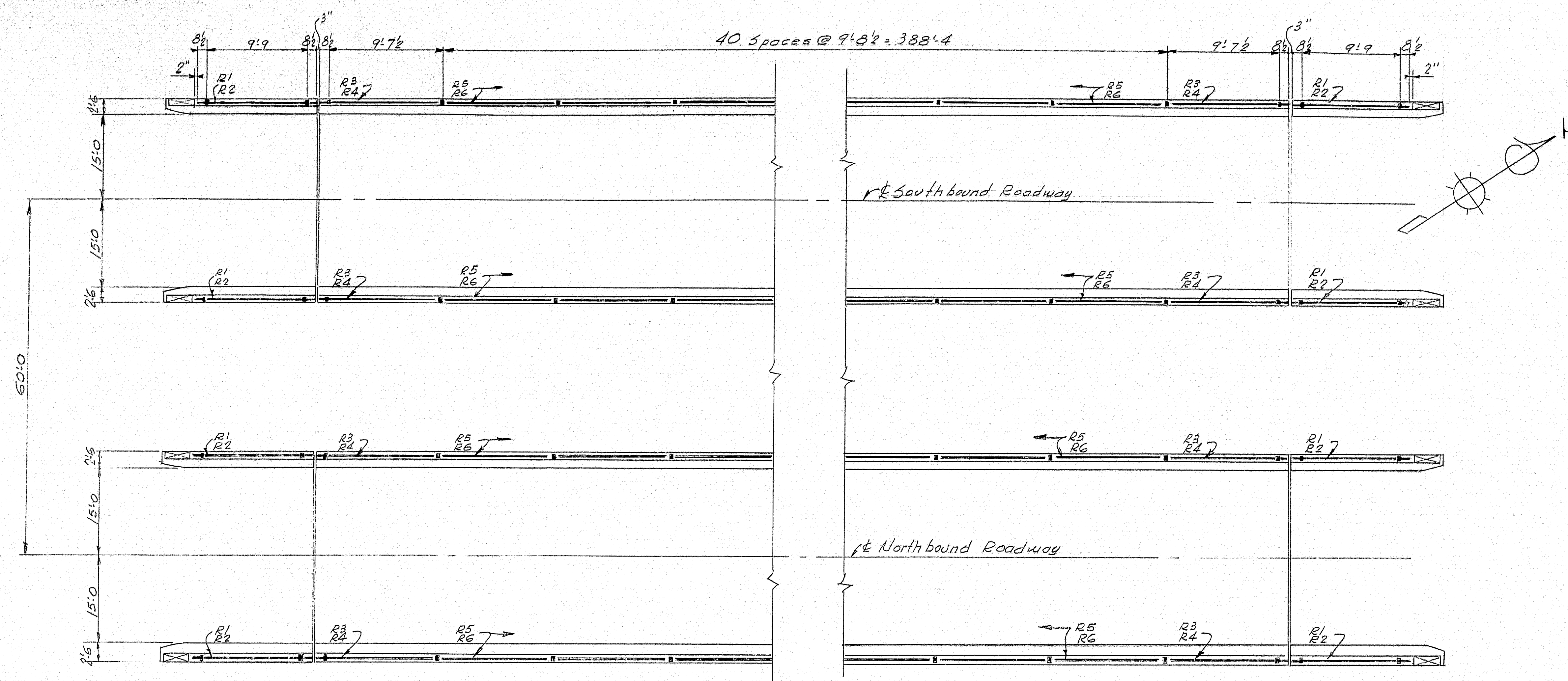
Quantities shown are for 2 Bridges

DRAWN J.P.F.
CHECKED _____
APPROVED _____
RIVETS _____
HOLES 1/6
PAINT State of Maine Specs

JOB BOND BROOK BRIDGE - AUGUSTA ME.
CUSTOMER ELLIS SNOODGRASS, INC.
ARCHITECT OR ENGINEER MAINE S.H.C. BRIDGE DIV.
BANCROFT & MARTIN ROLLING MILLS CO.
SOUTH PORTLAND, MAINE
DATE 8-22-58 8-9-532

MAE 8-22-58





ANCHOR BOLT SETTING

ALUMINUM RAIL LAYOUT

NOTE:
ODD NUMBERS: Top Rail
EVEN NUMBERS: Bottom Rail

Aluminum Tubing 1/8" Wall

8-R1	4" TUBING x 11'-1"
8-R2	3 1/2" Do x 11'-1"
8-R3	4" Do x 10'-3"
8-R4	3 1/2" Do x 10'-3"
160-R5	4" Do x 9'-7 1/2"
160-R6	3 1/2" Do x 9'-7 1/2"

INCLUDE

188 - RAIL POSTS - Alcoa #2001
24 - 4" RAIL CAPS - Alcoa #7172-4
24 - 3 1/2" RAIL CAPS - Alcoa #7172-3.5

SHIP		BILL OF MATERIAL			DWG. NO. B-9-534
MARK	NO.	MARK	SHAPE	LENGTH	WT.
R1	8		4" TUBING	11	1
R2	8		3 1/2" Do	11	1
R3	8		4" Do	10	3
R4	8		3 1/2" Do	10	3
R5	160		4" Do	9	7 1/2
R6	160		3 1/2" Do	9	7 1/2
FIELD	188		RAIL POSTS		
Do	24		4" RAIL CAPS		
Do	24		3 1/2" RAIL CAPS		
Do	752		3/8" ANCHOR BOLTS	0	10
					Aluminum

All material shown on this Dwg. to be ordered from Read Standard Co.

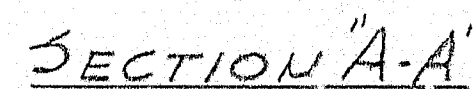
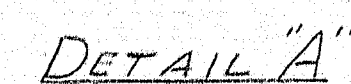
Material shown is for 2 BRIDGES.

Pay Length 1725'4" Lin. ft.

SHOP CONNECTIONS:
FIELD CONNECTIONS:
HOLES: Standard
PAINT: None

ALUMINUM RAIL DETAILS	
Bancroft & Martin Rolling Mills Company South Portland T. Maine	
BOND BROOK BRIDGE AUGUSTA, MAINE	
CUSTOMER: FELLS SNOODGRASS INC. DESIGNER: MAINE S. H. S. BRIDGE DIV.	
ORDER NO. VERBAL	DWG. NO. B-9-534

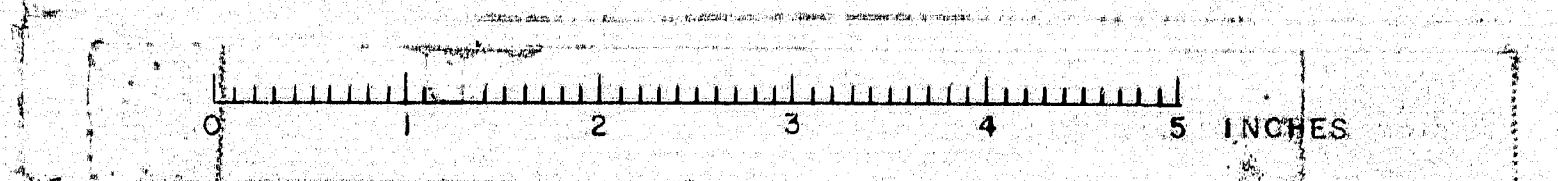
DRAWN	3-24-58 V.P.A.
REVISION	
REVISION	
REVISION	

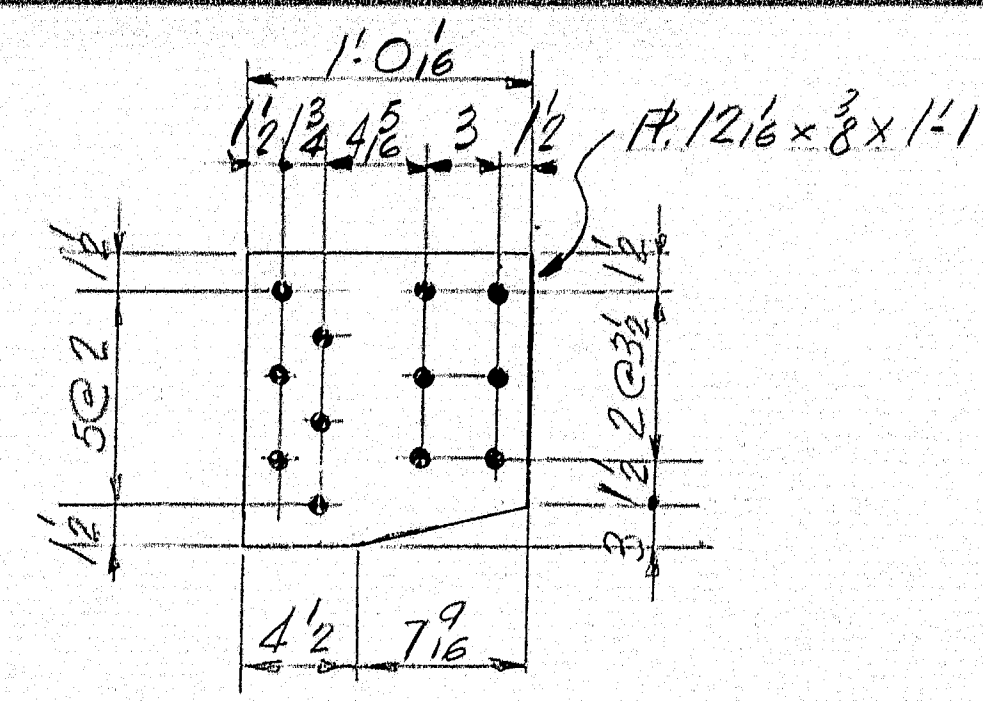


BOLTING DETAIL

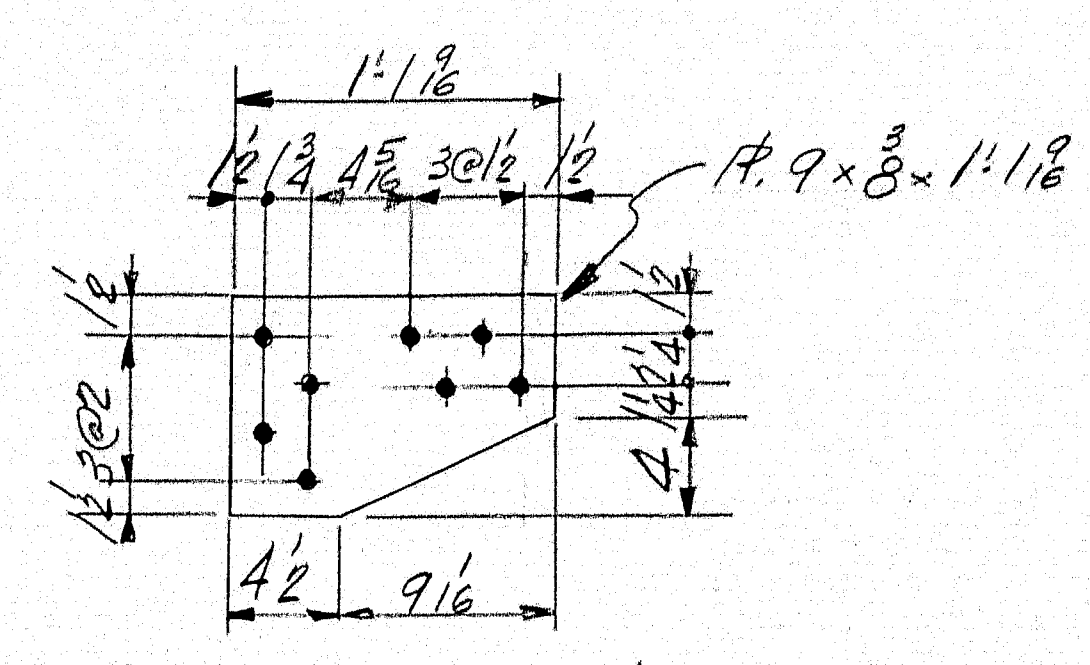


70-195

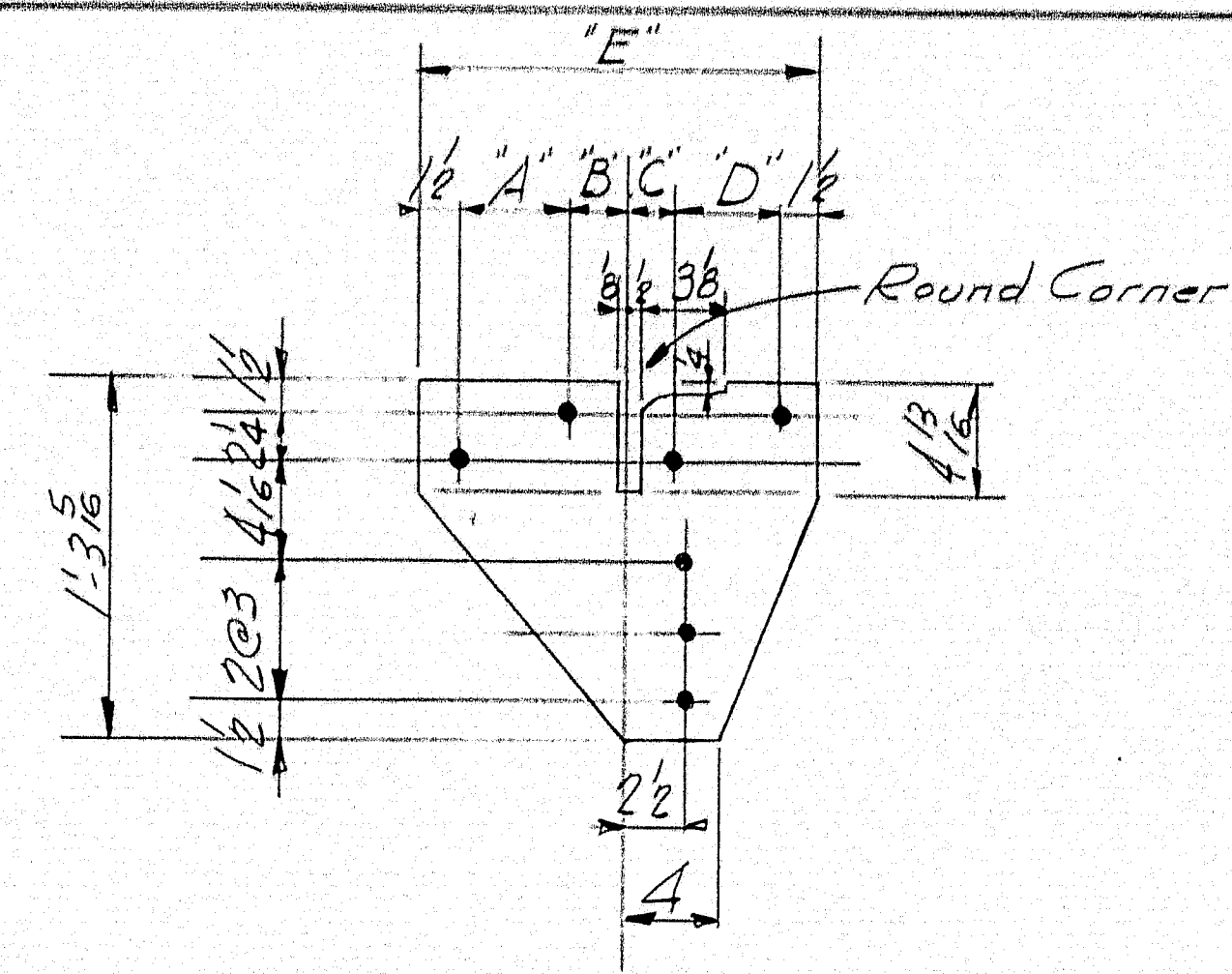




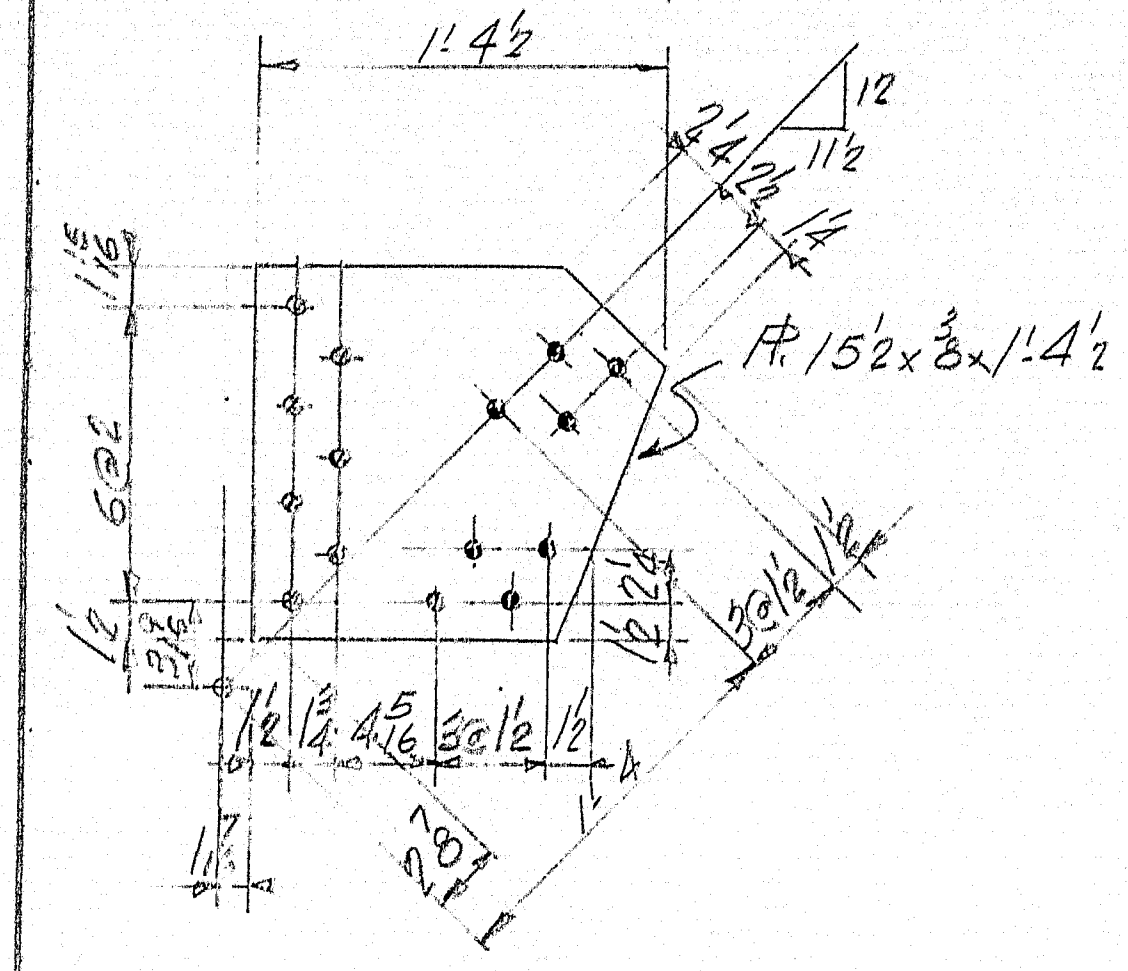
gpa-64 Req'd.



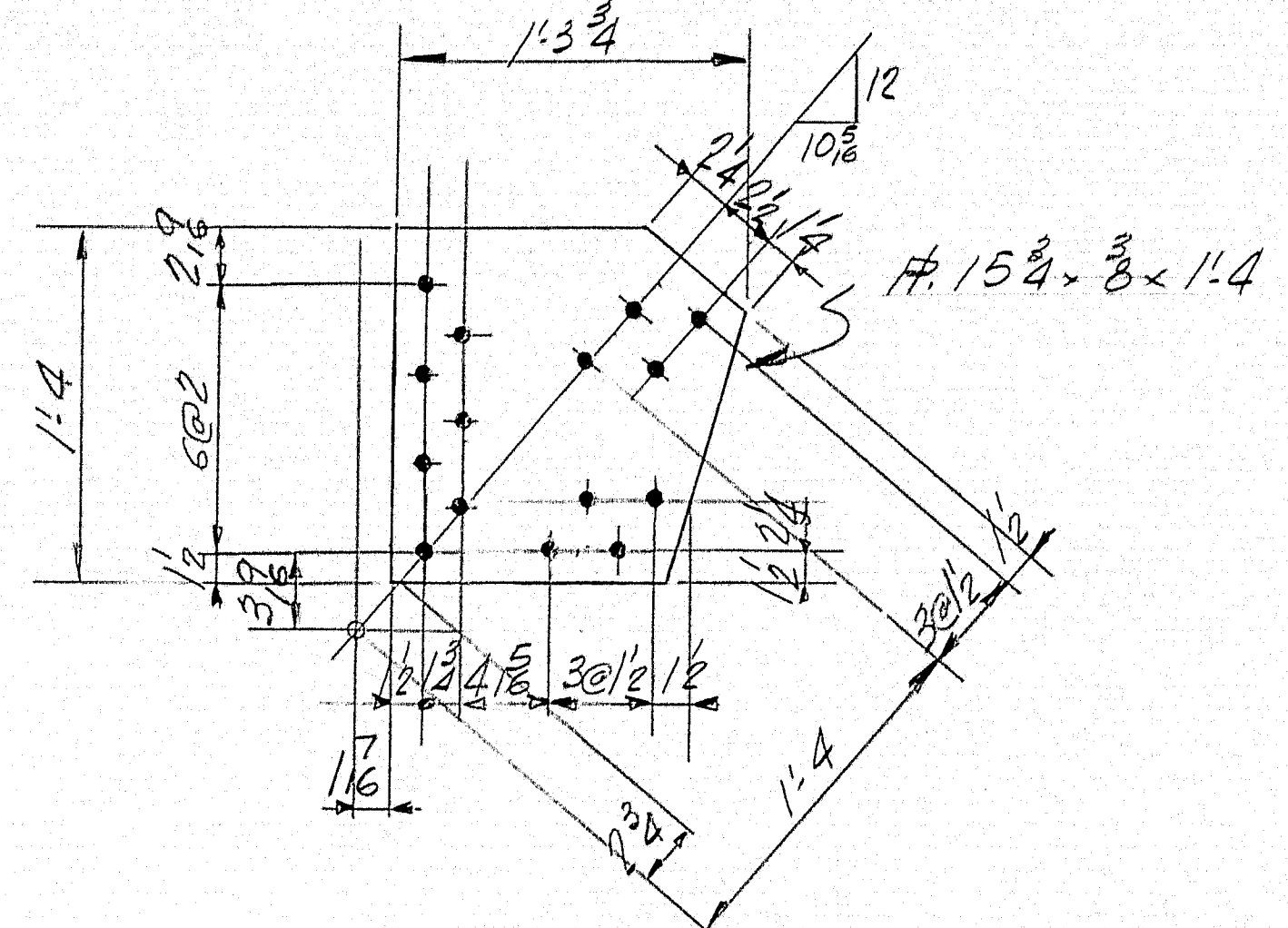
gpc-88 Req'd.



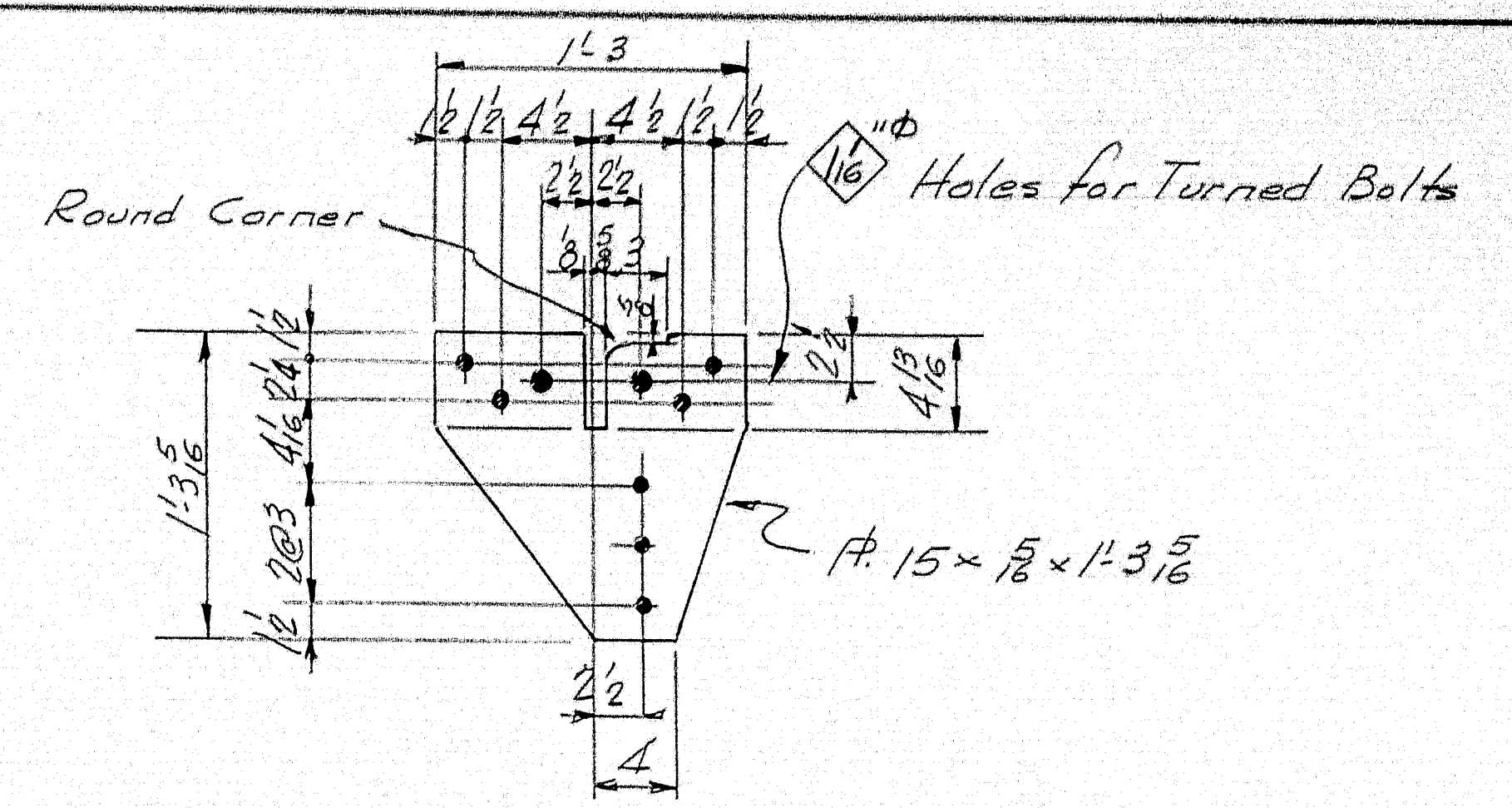
No.	SIZE	MARK	"A"	"B"	"C"	"D"	"E"
2	#15 5/8 x 5/16 x 1 1/8	gpe	4 1/2	2 1/2	2	4 1/2	1 1/8
14	#15 5/8 x 5/16 x 1 1/8	gpf	4 1/2	2 1/2	2	4 1/2	1 1/8
8	#15 5/8 x 5/16 x 1 1/4	gpg	5	2 1/2	2	4 1/2	1 1/4
16	#15 5/8 x 5/16 x 1 1/4	gph	4 1/2	2 1/2	2	4 1/2	1 1/4
6	#15 5/8 x 5/16 x 1 3/8	gpi	4 1/2	2 1/2	2	4 1/2	1 3/8
6	#12 3/8 x 5/16 x 1 3/8	gpj	3 1/2	1 3/8	2	2 1/2	1 0 3/8
36	#15 5/8 x 5/16 x 1 1/2	gpo	4 1/2	2 1/2	2	4 1/2	1 1/2
24	#14 3/8 x 5/16 x 1 3/8	gpp	3 1/2	2 1/2	2	4 1/2	1 1/2



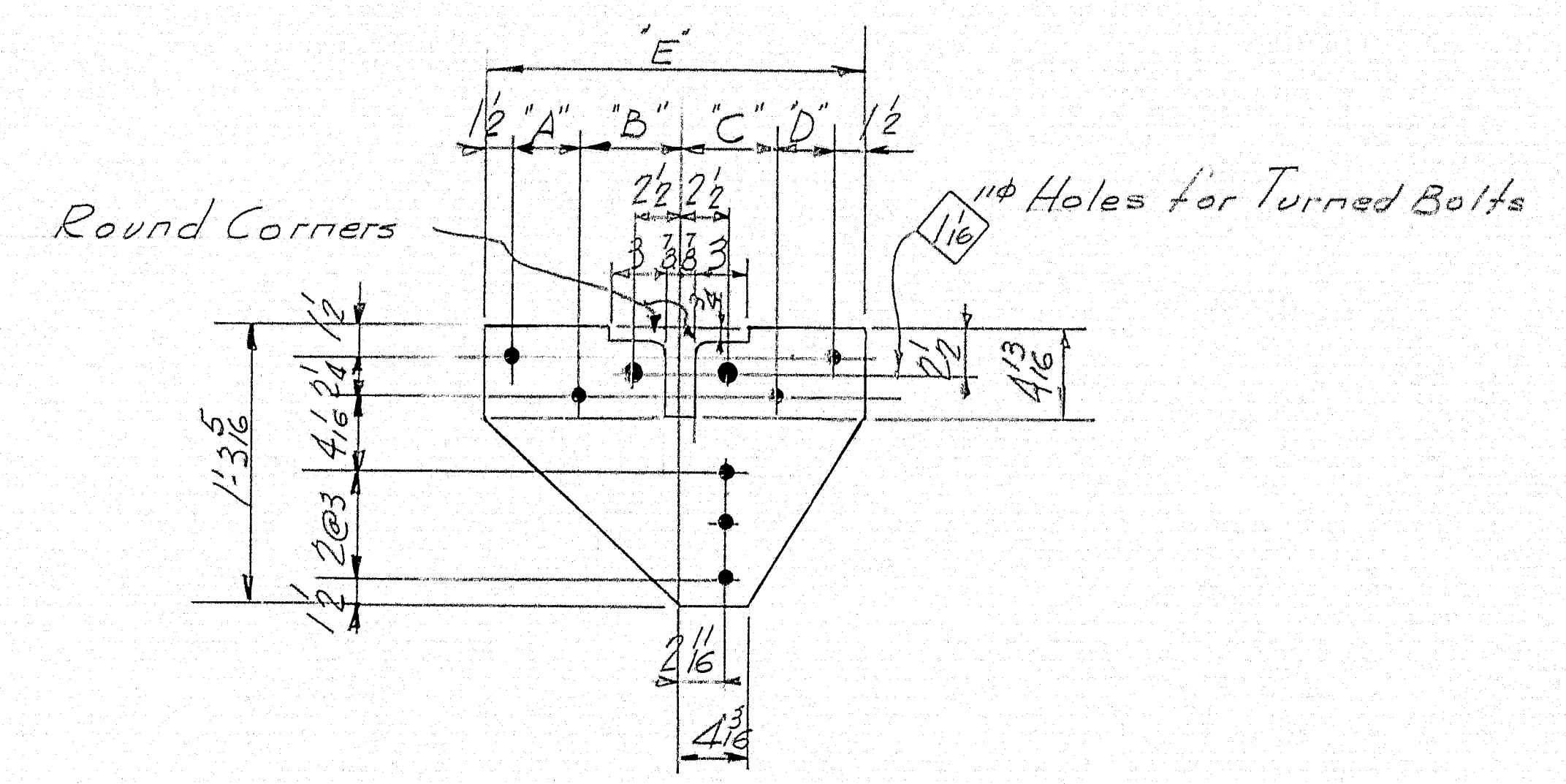
gpb-64 Req'd.



gpd-88 Req'd.



gpk-16 Req'd.



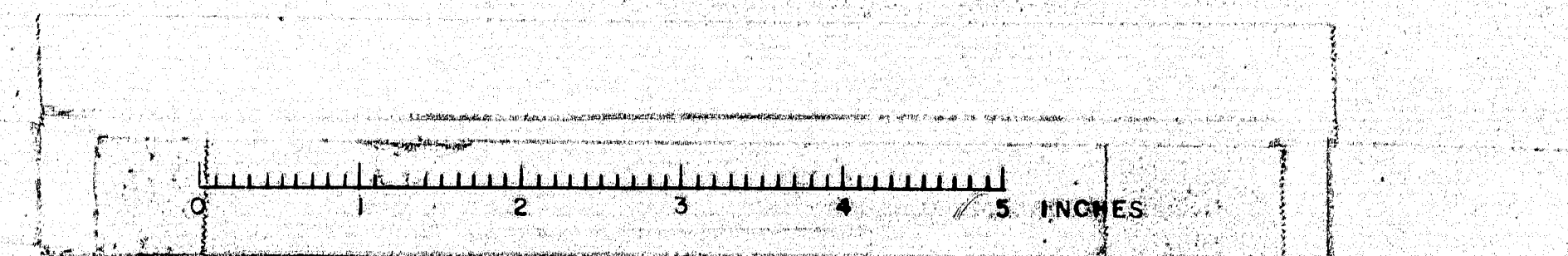
No.	SIZE	MARK	"A"	"B"	"C"	"D"	"E"
8	#15 5/8 x 5/16 x 1 1/8	gpm	3 1/2	5 1/2	5 1/2	3 1/2	1 3 3/4
16	#15 5/8 x 5/16 x 1 1/9	gpn	3	6	6	3	1 1/9

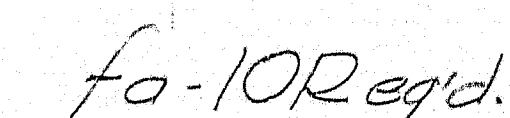
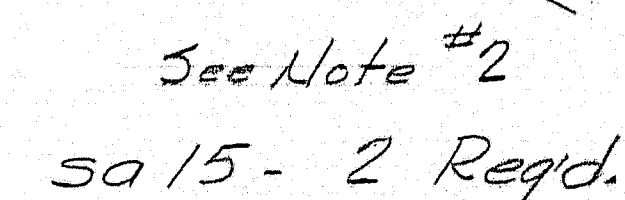
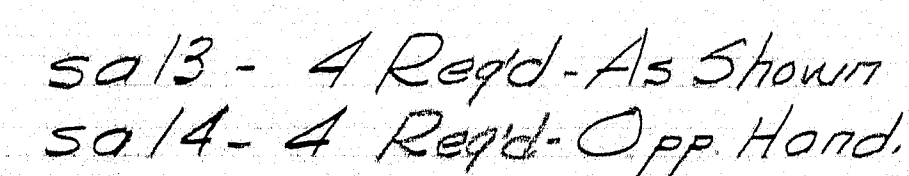
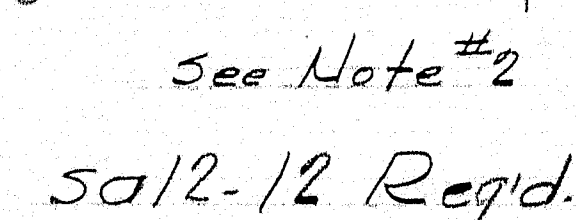
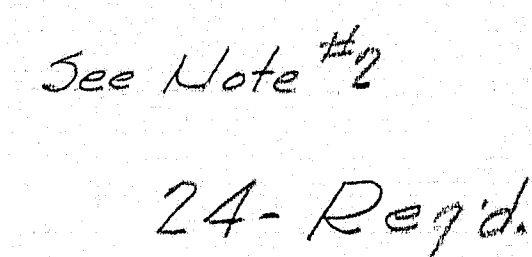
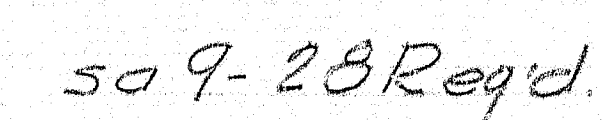
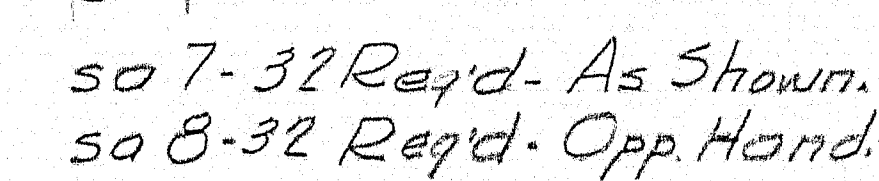
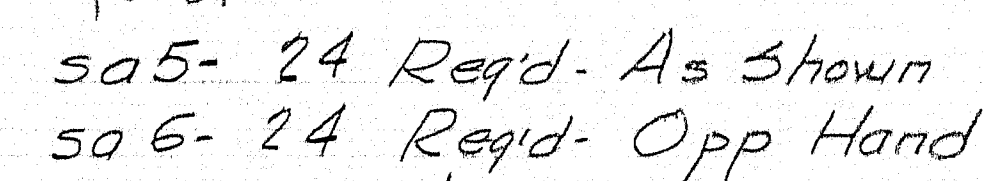
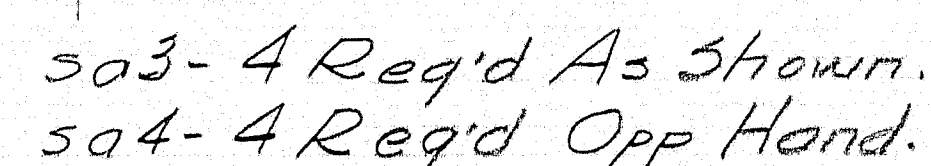
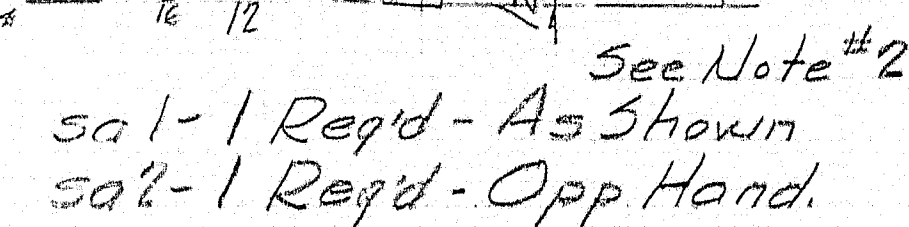
NOTES:
See GENERAL NOTES DWG NO. 8-193

COMPONENT DETAILS	
Bancroft & Martin Rolling Mills Company South Portland, Maine	
BOND BROOK BRIDGE AUGUSTA, MAINE	
CUSTOMER	ELLIS SNOWBERRY INC.
DESIGNER	MAINE S.H.C. BRIDGE DIV.
ORDER NO.	VERBA
DWG. NO.	8-9-529

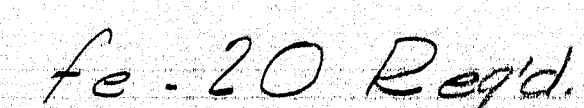
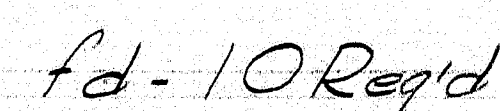
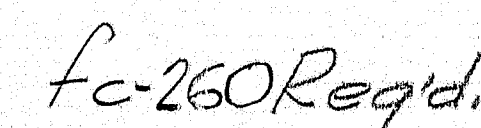
DRAWN	3-17-58 J.P.F.
REVISION	
REVISION	
REVISION	

OK





NOTES:
See General Notes Div 3-100

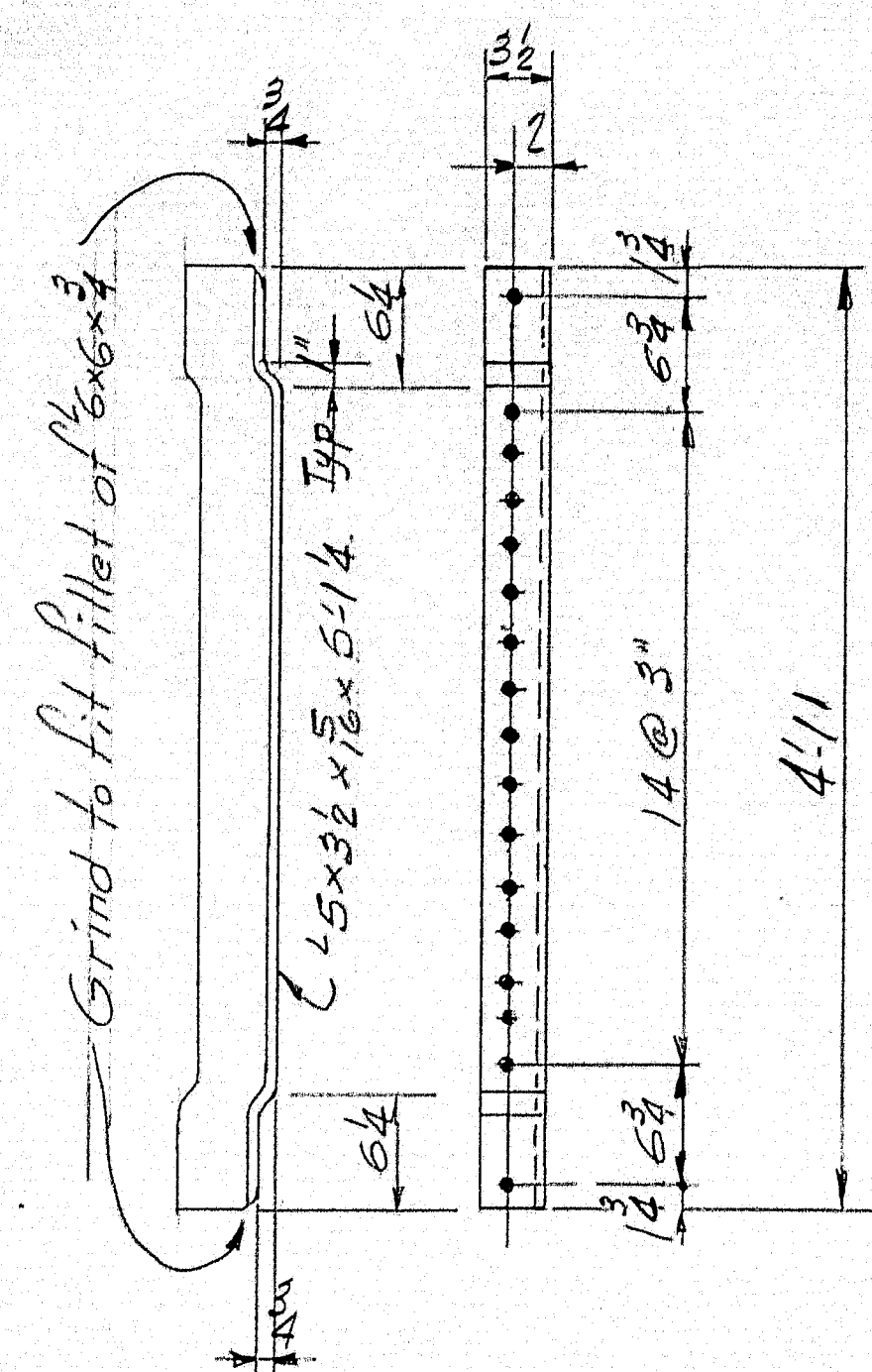


NOTE:

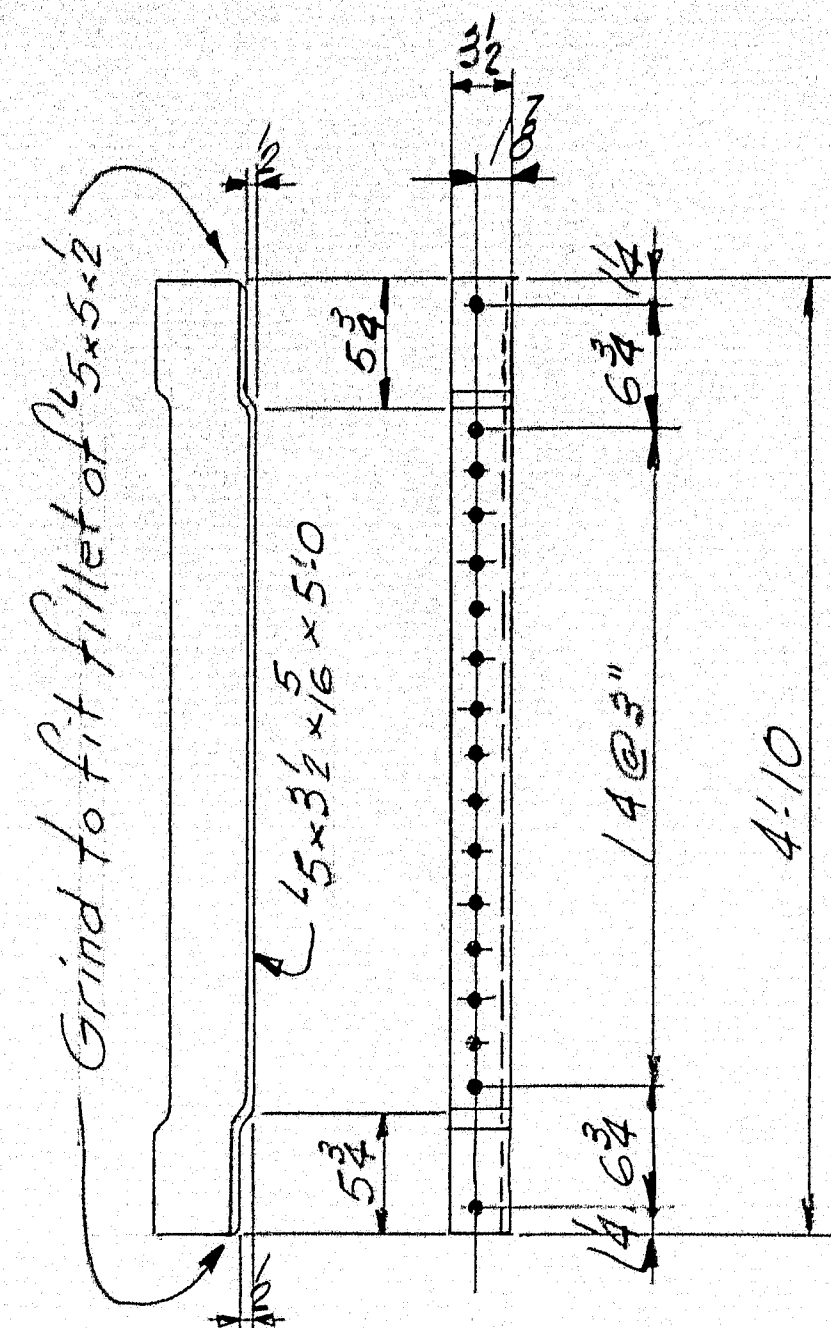
- 1.) For Details of Gusssets
gpa- gpb. gpc & gpd see Dwg. 8-9.529
- 2.) Stiffeners sa1-sa2-sa3-sa4: sa10-sa11
sa12- sa13-sa14 & sa14 are to have both
ends milled or ground to secure
an even bearing against flange angles

DRAWN	3-13-58	J.P.F.
REVISION		
REVISION		
REVISION		

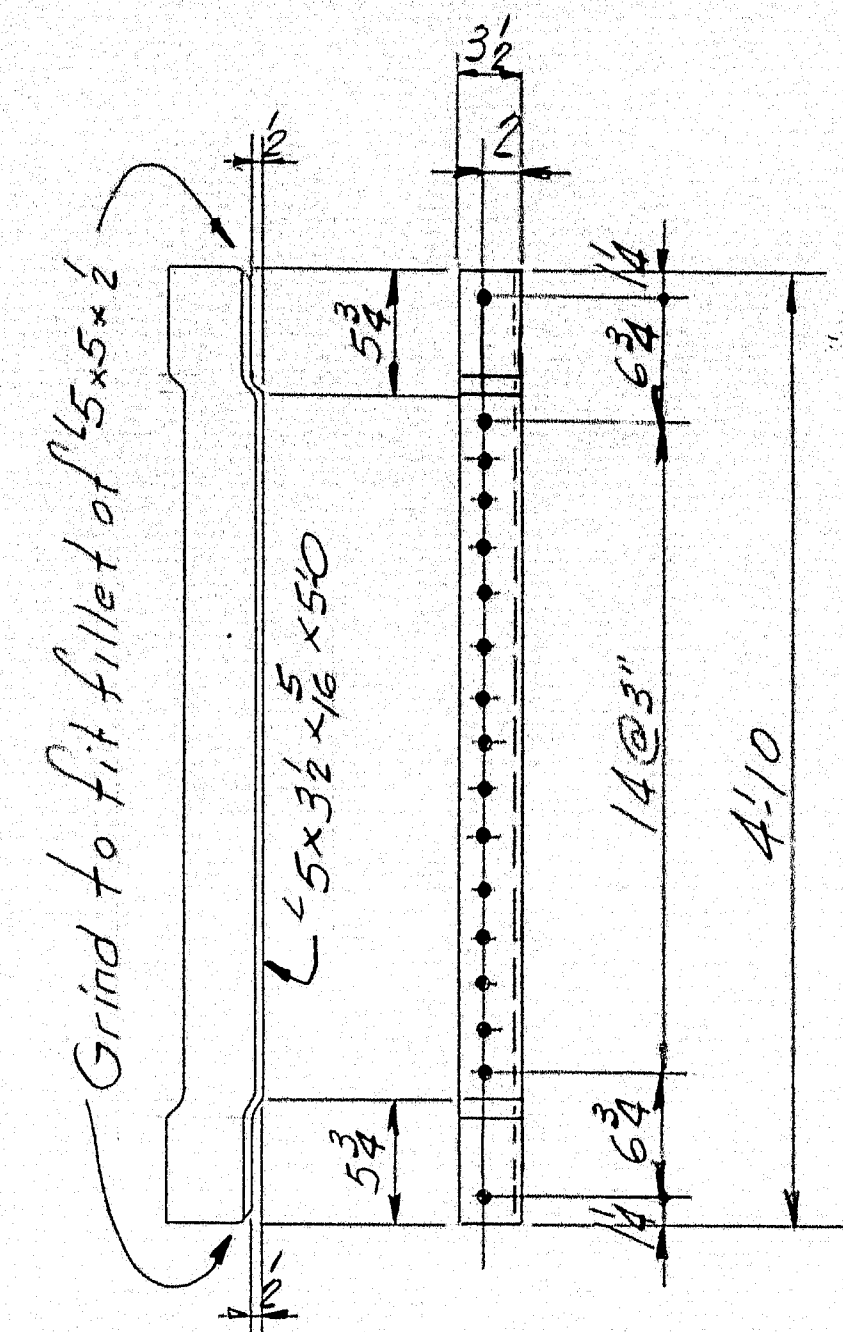
COMPONENT DETAILS	
Bancroft & Martin Rollings Mills Company South Portland 7, Maine	
BOND BROOK BRIDGE AUGUSTA, MAINE	
CUSTOMER	ELLIS SUGGARS INC.
DESIGNER	MAINE S.H.C. BRIDGEDY
ORDER NO. <u>VE284L</u>	DWG. NO. <u>8-9-528</u>



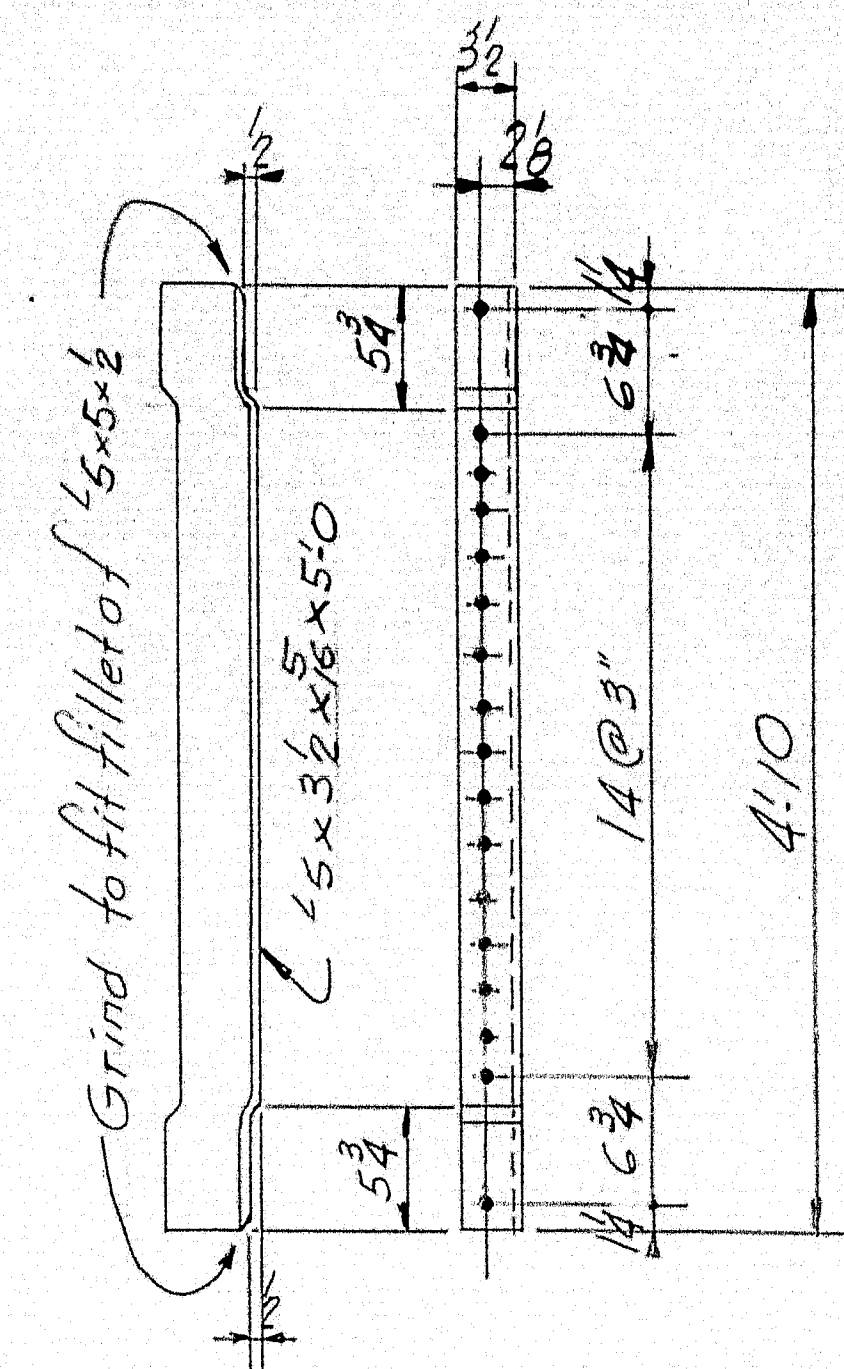
ca1-790 Req'd.



ca2-10 Req'd.



ca3-90 Req'd.



ca4-20 Req'd.

NOTES:

SEE GENERAL NOTES
DWG NO. B-9-53

QUANTITIES SHOWN ARE FOR
ONE BRIDGE

COMPONENT DETAILS

Barnes & Martin Milling Machine Company
South Portland 1, Maine

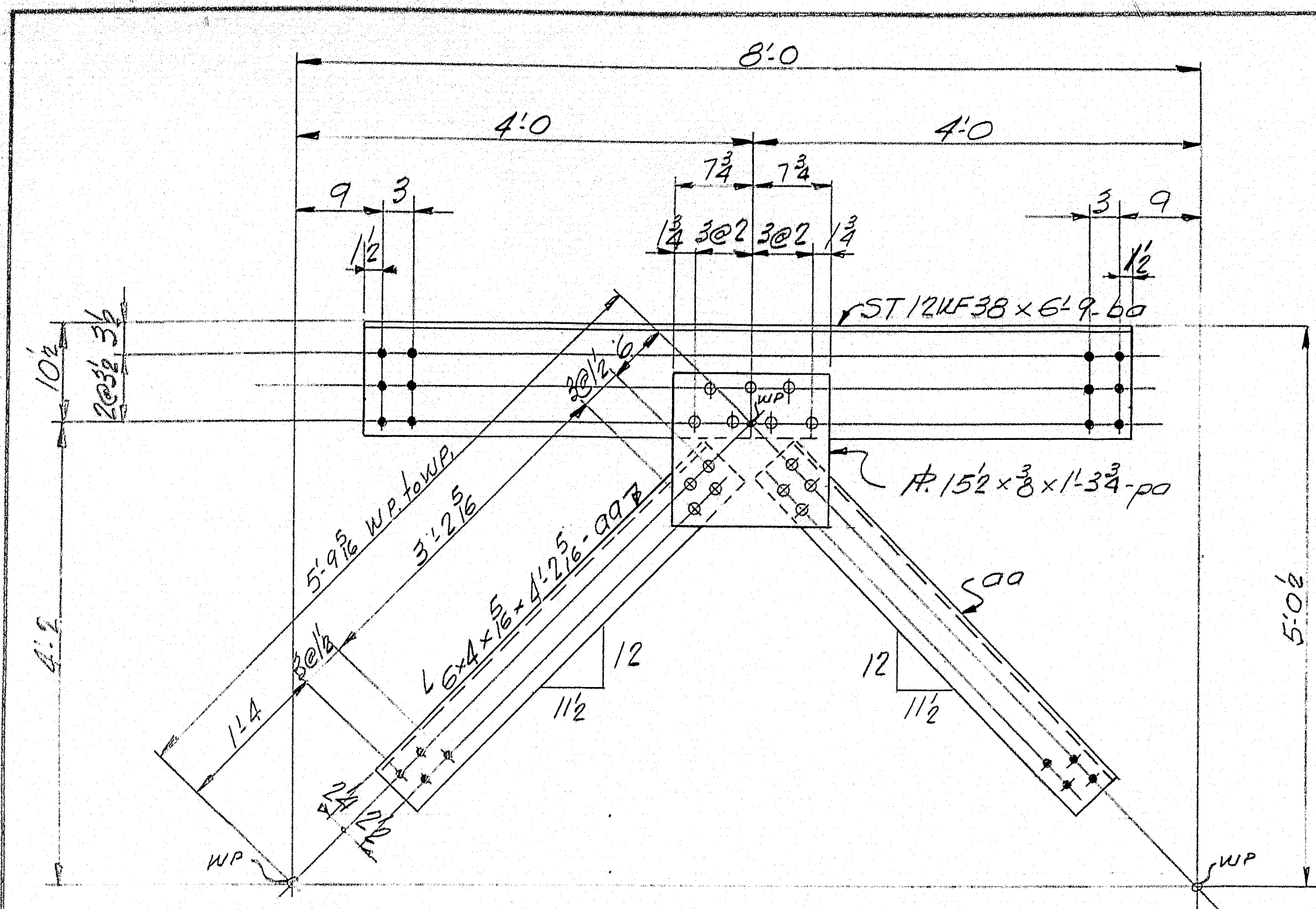
BOND BROOK BRIDGE
AUGUSTA, MAINE

CUSTOMER: ELLIE SWOBBESS INC.
DESIGNER: MAINE S.H.C. BRIDGE DIV.

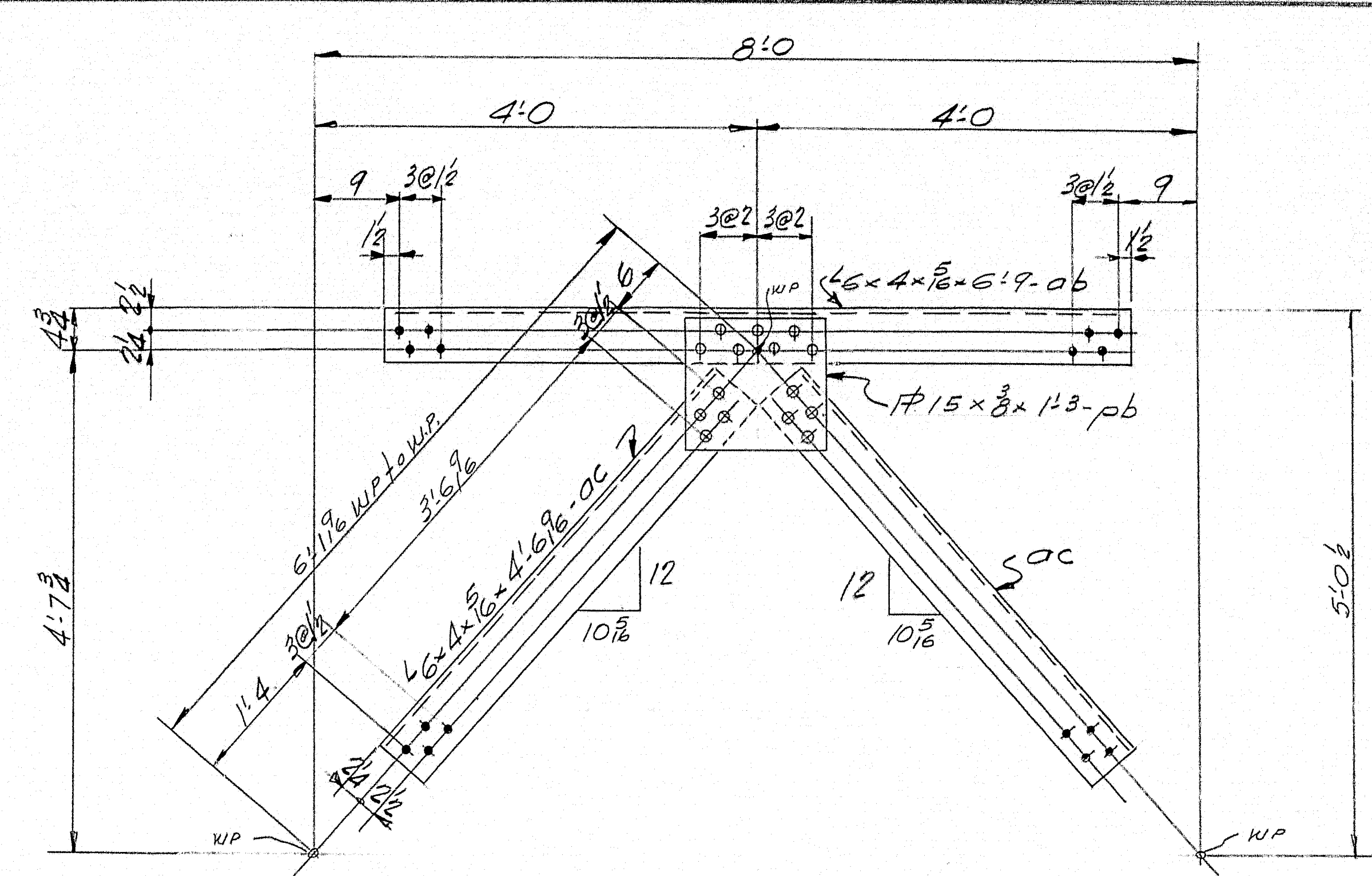
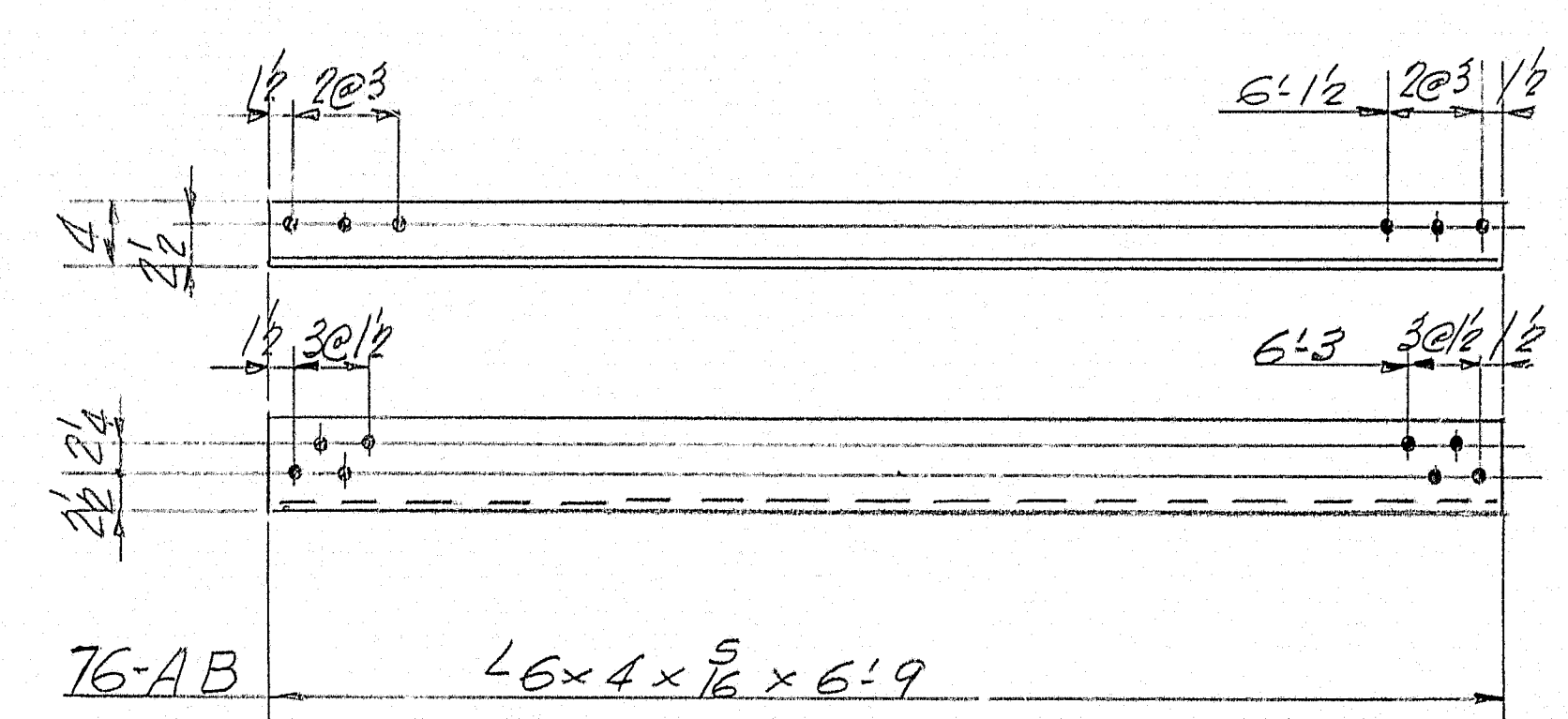
ORDER NO. VERBAL DWG. NO. B-9-527

DRAWN	3-7-58 J.P.F.
REVISION	
REVISION	
REVISION	

App. 3-12-58



PANEL "A" - 32 REQ'D.



PANEL "B" - 44 REQ'D

NOTE
Min. edge distance on gusset plates = 1 1/2" unless noted

NOTE "A"
Open holes are for Hi-Tensile Bolts, they are to be free from burrs and there shall be no point on any surface within 3" of such open holes.

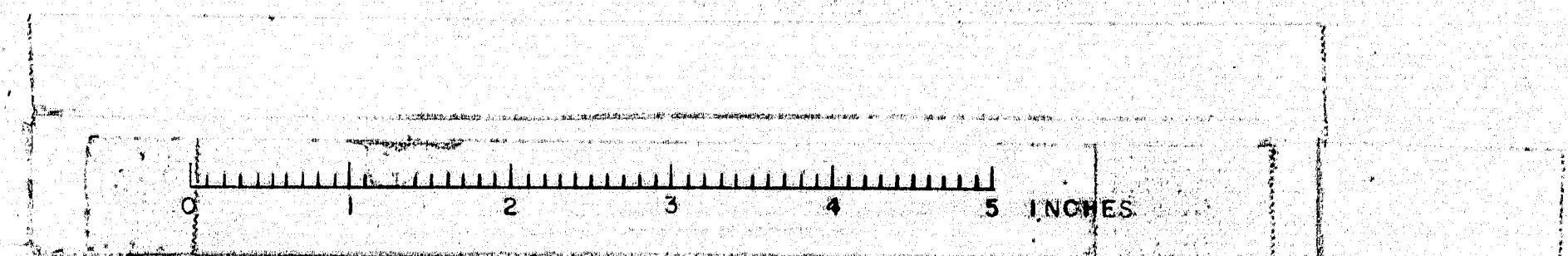
SHIP		BILL OF MATERIAL				DWG. NO. 8-9-526
MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
PANEL	32		ASSEMBLY	6'9"	—	
PANEL	44		DO	6'9"	—	
AB	76		L6 x 4 x 5/16	6'9"	—	
	32	bo	ST 12WF38	6'9"	—	
	64	co	L6 x 4 x 5/16	4'2 1/2"	—	
	44	cb	DO	6'9"	—	
	88	cc	DO	4'6 1/2"	—	
	32	po	15/2 x 3/8	1'3 1/2"	—	
	44	pb	15/2 x 3/8	1'3"	—	
	916	SHOP	8" RIVETS	0'24"	—	Weight of heads only (2 Heads per rivet)
	224	DO	DO	0'28"	—	
*FIELD	2024	3" H.S. BOLTS	0'24"	—	36 # per 100	
*DO	384	DO	0'24"	—	36 # per 100	
*DO	4816	8" HARDWARE WASHERS	—	—	—	
*Actual Count						
BRIDGE No. 2						

Quantities shown are for ONE BRIDGE

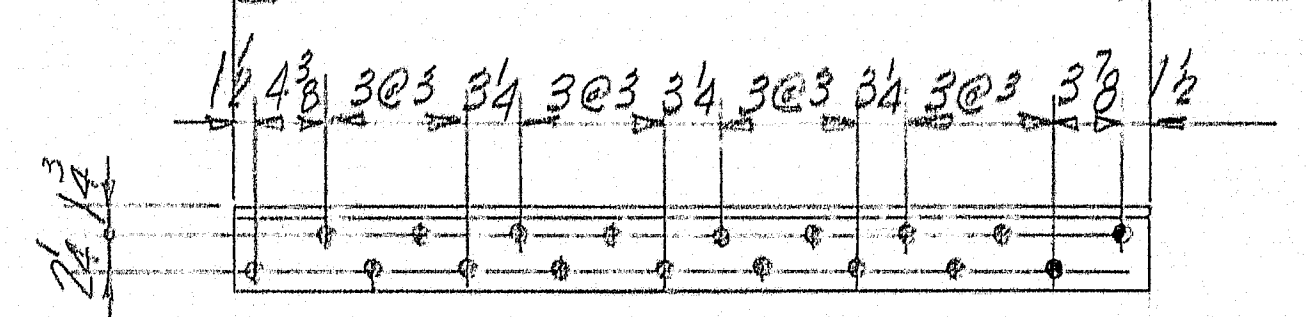
SHOP CONNECTIONS: 3" Rivets
FIELD CONNECTIONS: 3" H.S. Bolts
HOLES: 1 1/2" (See Note "A")
PAINT: Per State of Maine Spec. (See Note "A")

CROSS FRAME DETAILS
Bancroft & Martin Rolling Mill Company
South Portland, Maine
BOND BROOK BRIDGE
AUGUSTA, MAINE

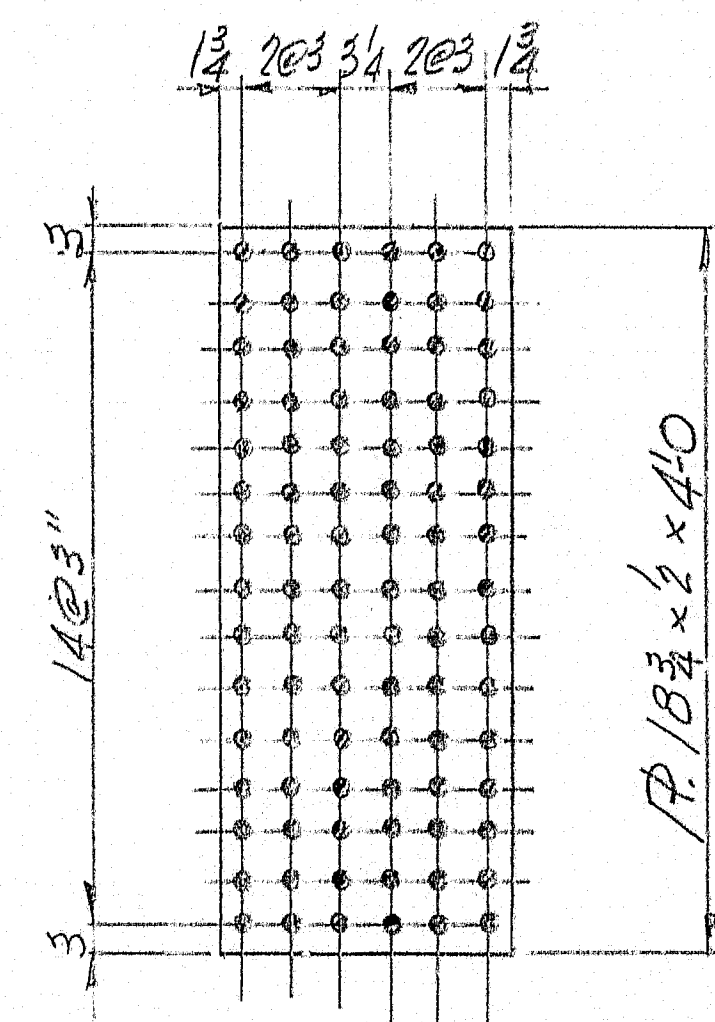
DRAWN	3-11-58 J.P.M.	CUSTOMER	ELLIS SNODGRASS INC.
REVISION		DESIGNER	MAINE S.H.C. BRIDGING
REVISION		ORDER NO.	VERBAL
REVISION		DWG. NO.	8-9-526



tpl-60 Reg'd
Splice #1-2-3-4-5+6

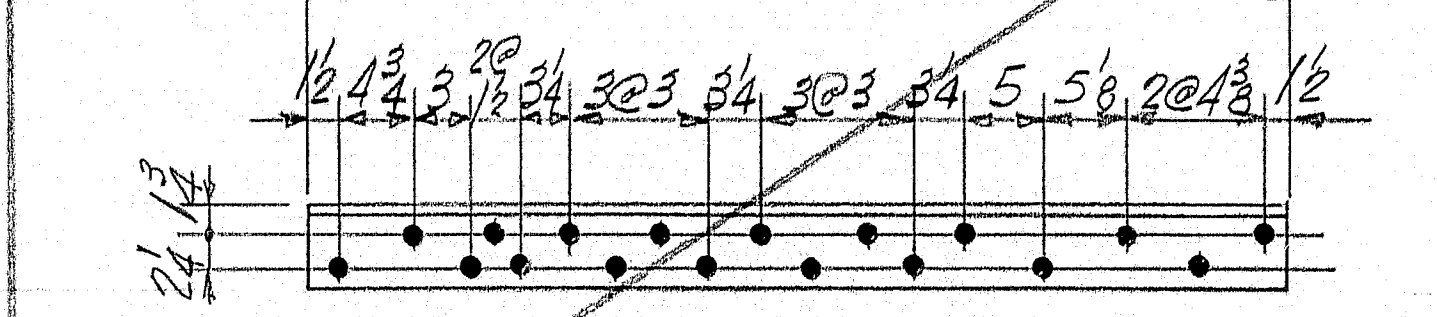
$$L5 \times 5 \times \frac{1}{2} \times 4.9 \quad sd1^L$$


Splice #1-2-3-4-5-6



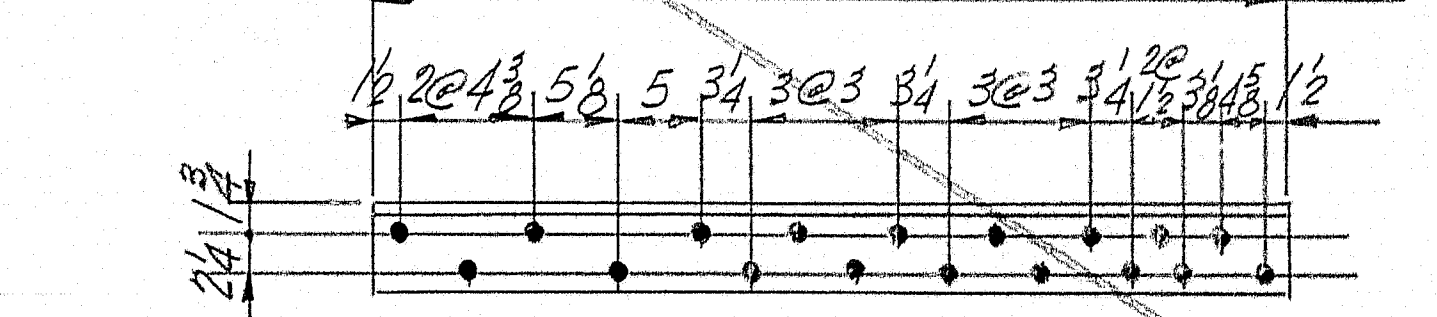
spl-60 Req'd
Splice #1-2-3-4-5 & 6

tp 2-20 Req'd.
5 plice #2 & 3

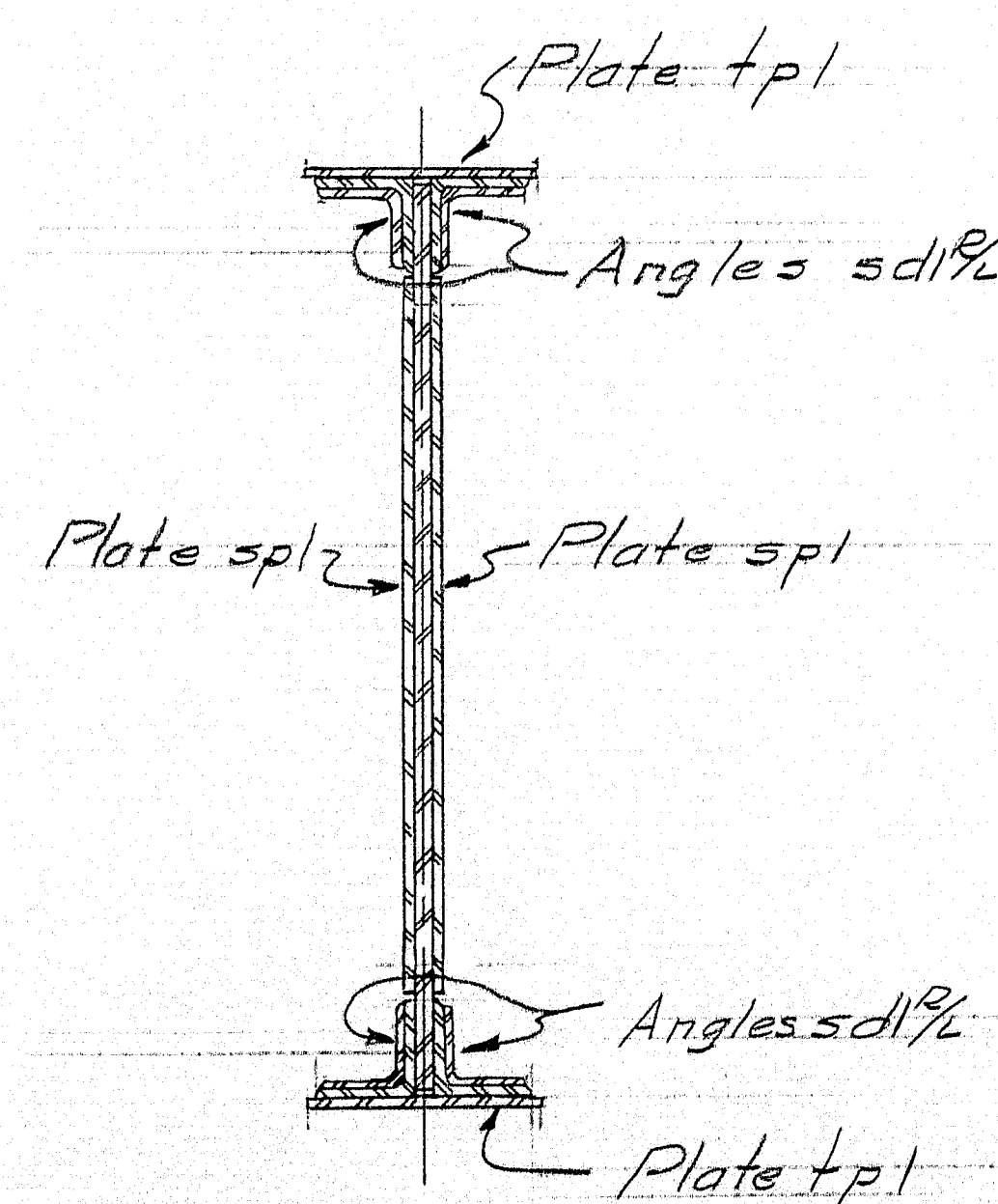
$$4 \times 5 \times 5 \times 2 \times 5 = 2^3 \times 5^4$$


sd 2nd - 20 Reg'd
sd 2nd - 20 Reg'd.
Splice #2 & 3

7p3 - 30 Reg'd.
Splice 4 - 5 & 6

$$45 \times 5 \times \frac{1}{2} \times 5 \cdot 08^3 \quad \text{sd}^3$$


sd3^R-30 Req'd
sd3^L-30 Req'd
Splice #4-5#6



TYPICAL SECTION
THROUGH SPLICE

NOTES:

See GENERAL NOTES
Draw No. 8-9-53
Quantities shown are for:
ONE BRIDGE

SPlice COMPONENT DETAILS

Baincroft & Martin Rollings Mills Company
South Portland, T. Maine

BOND BROOK BRIDGE
AUGUSTA, MAINE

CUSTOMER ELLIS SMOODRESS INC.

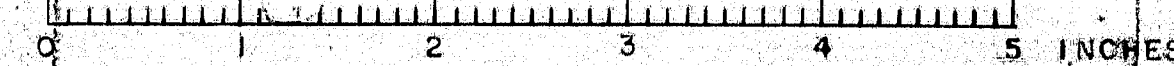
DESIGNER MAINE J. H. L. DRIDGE INC.

ORDER NO. VERBAL DWG. NO. 8-9-525

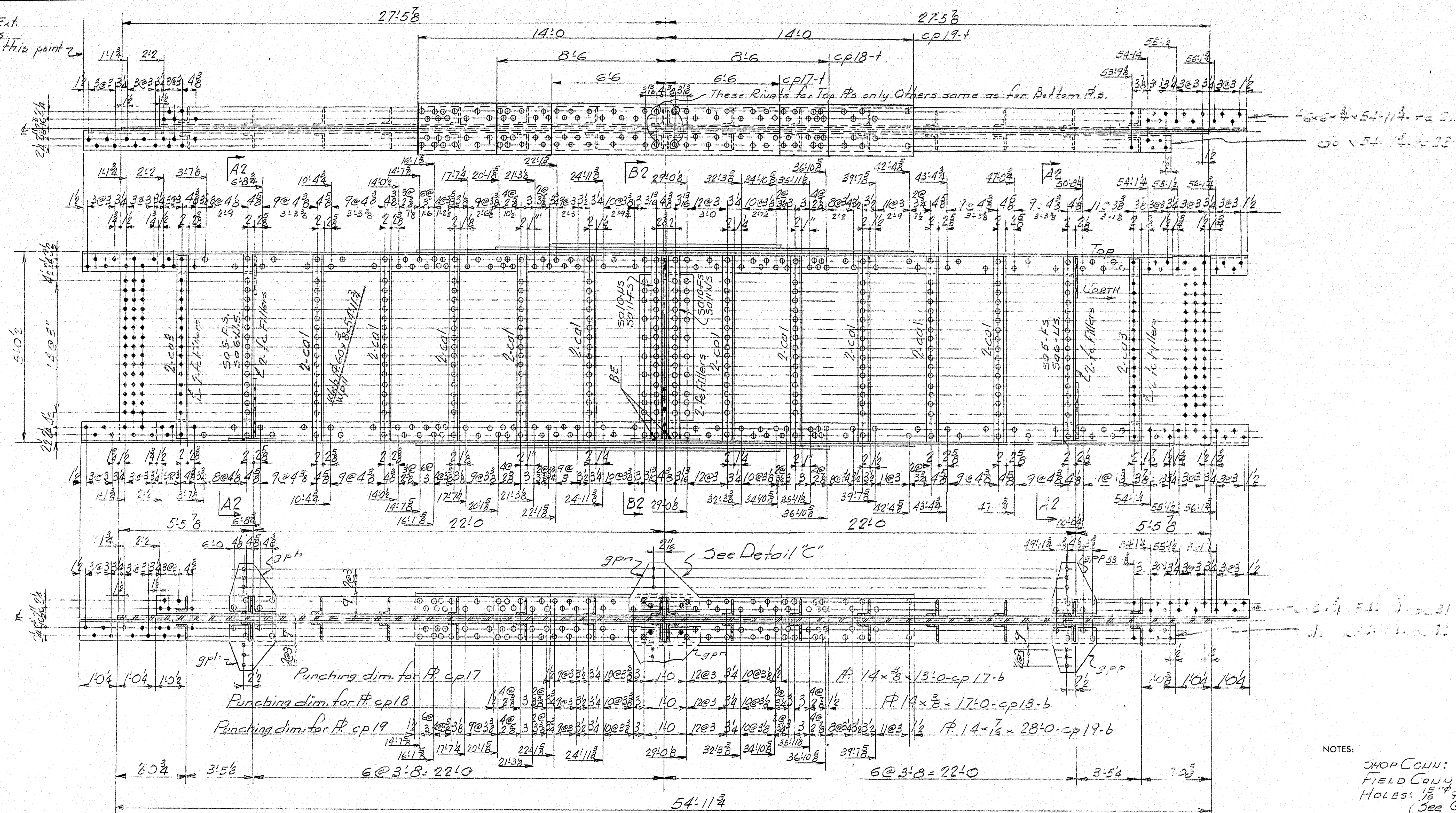
70-200

② ok

70-200



Punching Ext.
for chords
taken from this point



GIRDER GGC - 1 REQ'D.
GIRDER GGD - 1 REQ'D.
GIRDER GGE - 1 REQ'D.

NOTES

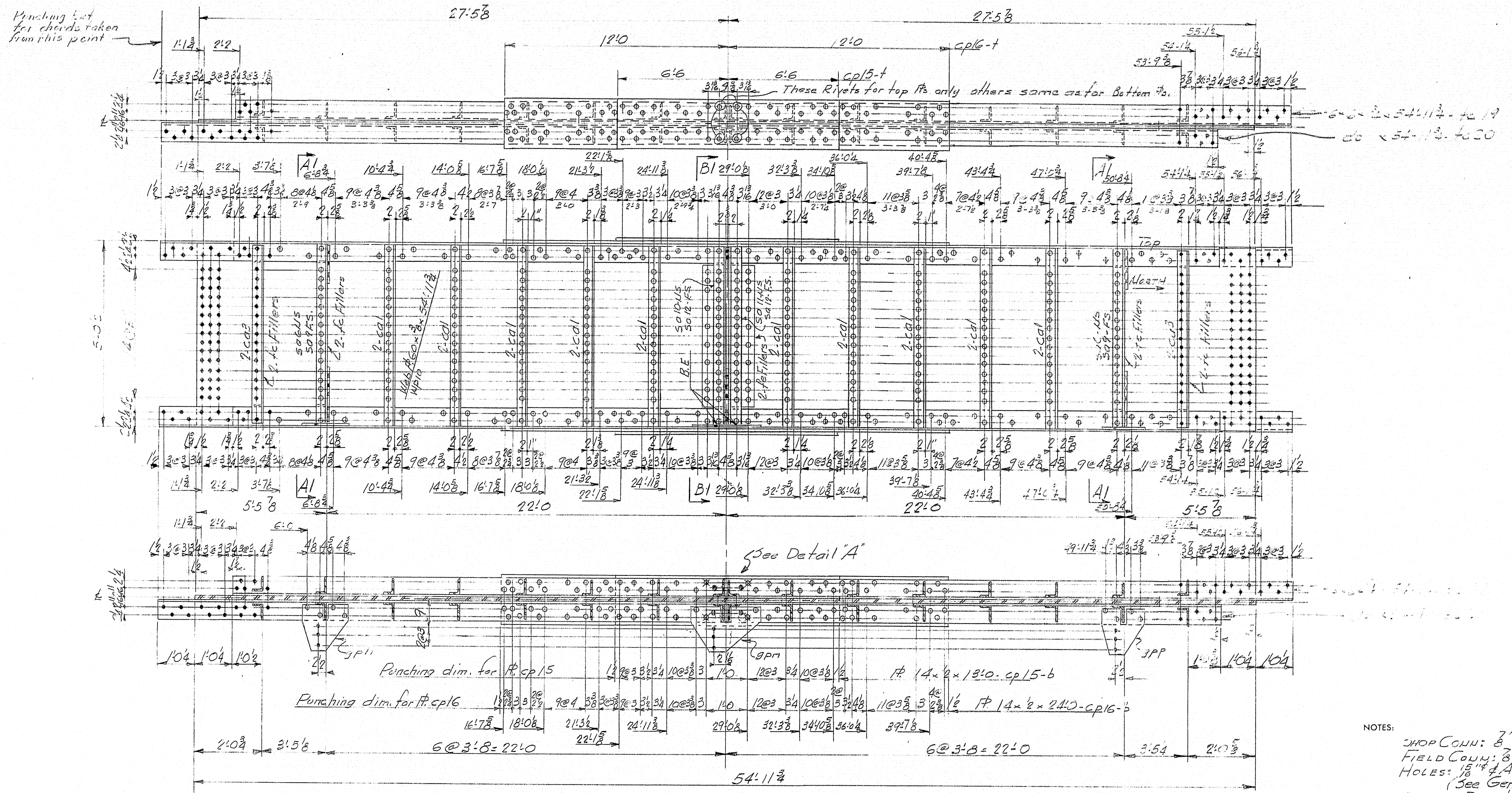
For camber diagram see drawing 8-9-D1
For sections not shown see drawing 8-9-S3
Quantities shown are for ONE BRIDGE
For sizes of material see Bill of Material 8-9-S21

NOTES:

SHOP CONN: 8 Rivets
FIELD CONN: 8 H.S. Bolts
HOLES: 1/8" # As Noted
(See General Notes)
PAINT: Per State of Maine
Specs (See General Notes)
For GENERAL NOTES See DWG 8-9-S3

GIRDER - GIRDERS	
Bancroft & Martin Rolling Mills Company	
South Portland, Maine	
BOND BROOK BRIDGE	
AUGUSTA, MAINE	
CUSTOMER	ELLIS SNODGRASS, INC.
DESIGNER	MAINE S.H.C. BRIDGE DIV.
ORDER NO.	VERBAL
DWG. NO.	8-9-S21

DRAWN	8-4-58 J.P.F.
REVISION	8-31-58 J.P.F.
REVISION	
REVISION	



GIRDER GGA - 1 REQ'D

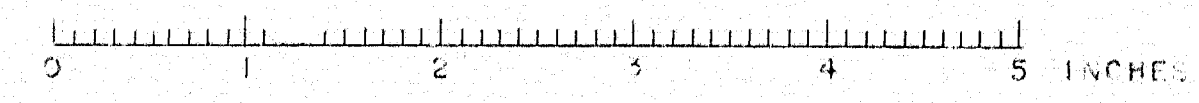
NOTES

For camber diagram see drawing 8-9-D1
 For SECTIONS not shown see drawing 8-9-S3
 Quantities shown are for ONE BRIDGE
 For sizes of material see Bill of Material 8-9-S19

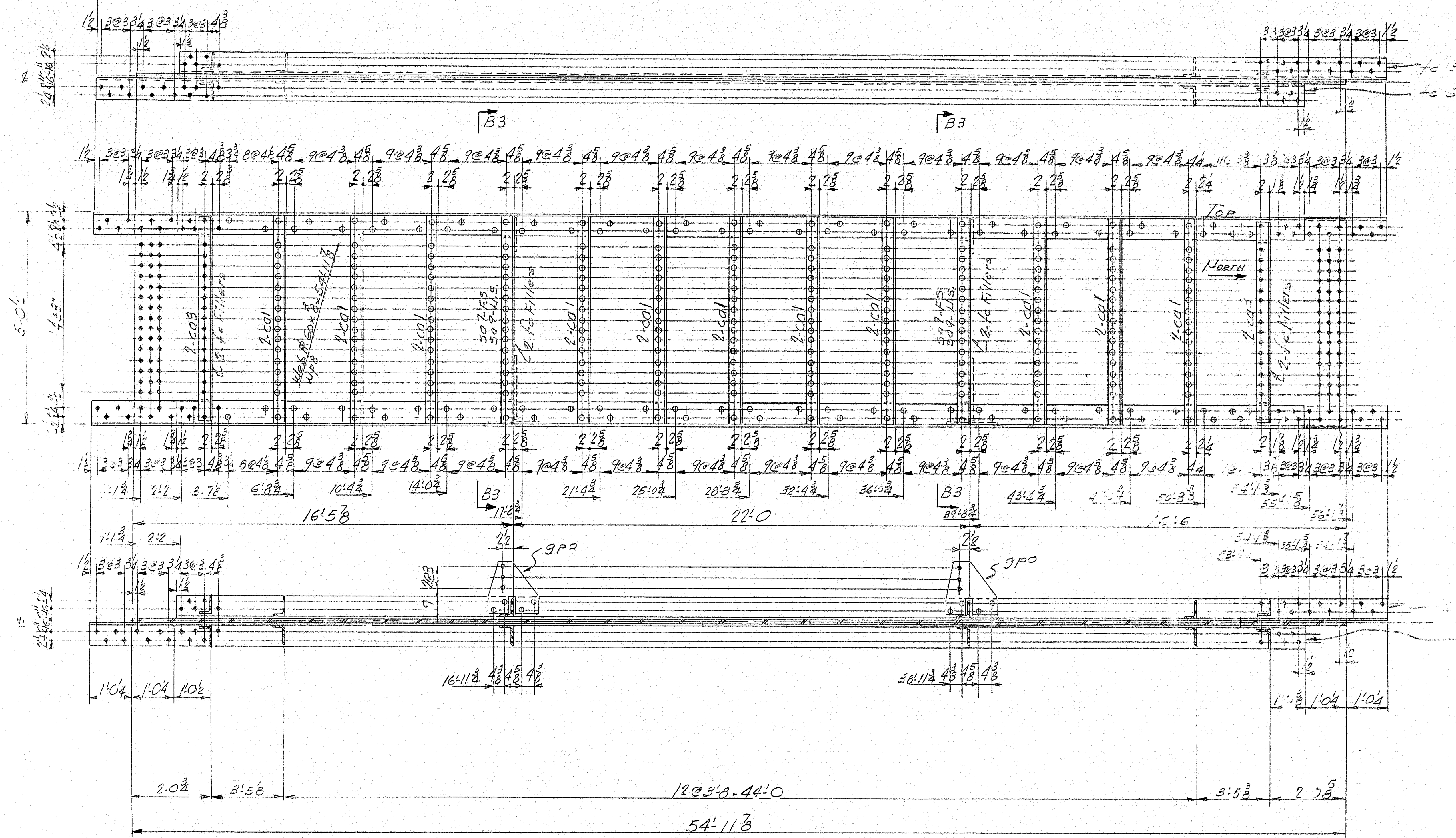
NOTES:
 JOOP CONN: 3" Rivets
 FIELD CONN: 3" H.S. Bolts
 HOLES: 1 1/8" As Noted
 (See General Notes)
 PAINT: Per State of Maine
 Specs (See General Notes)
 For GENERAL NOTES See Dwg 8-9-S3

GGA - GIRDERS	
Bancroft & Martin Rolling Mills Company South Portland, Maine	
BOND BROOK BRIDGE AUGUSTA, MAINE	
CUSTOMER	ELLIS SNODGRASS INC.
DESIGNER	MAINE S.H.C. BRIDGE DIV.
ORDER NO.	VERBAL
DWG. NO.	8-9-S19

DRAWN	3-4-38 JPP
REVISION	3-31-38 JPP
REVISION	
REVISION	



Pinching Bolt.
For chords taken
from this point



GIRDER G5B - REQ'D.

NOTES:

For camber diagram see drawing 8-9-D1
For sections not shown, see drawing 8-9-53
Quantities shown are for ONE BRIDGE
For sizes of material see Bill of Material 8-9-517

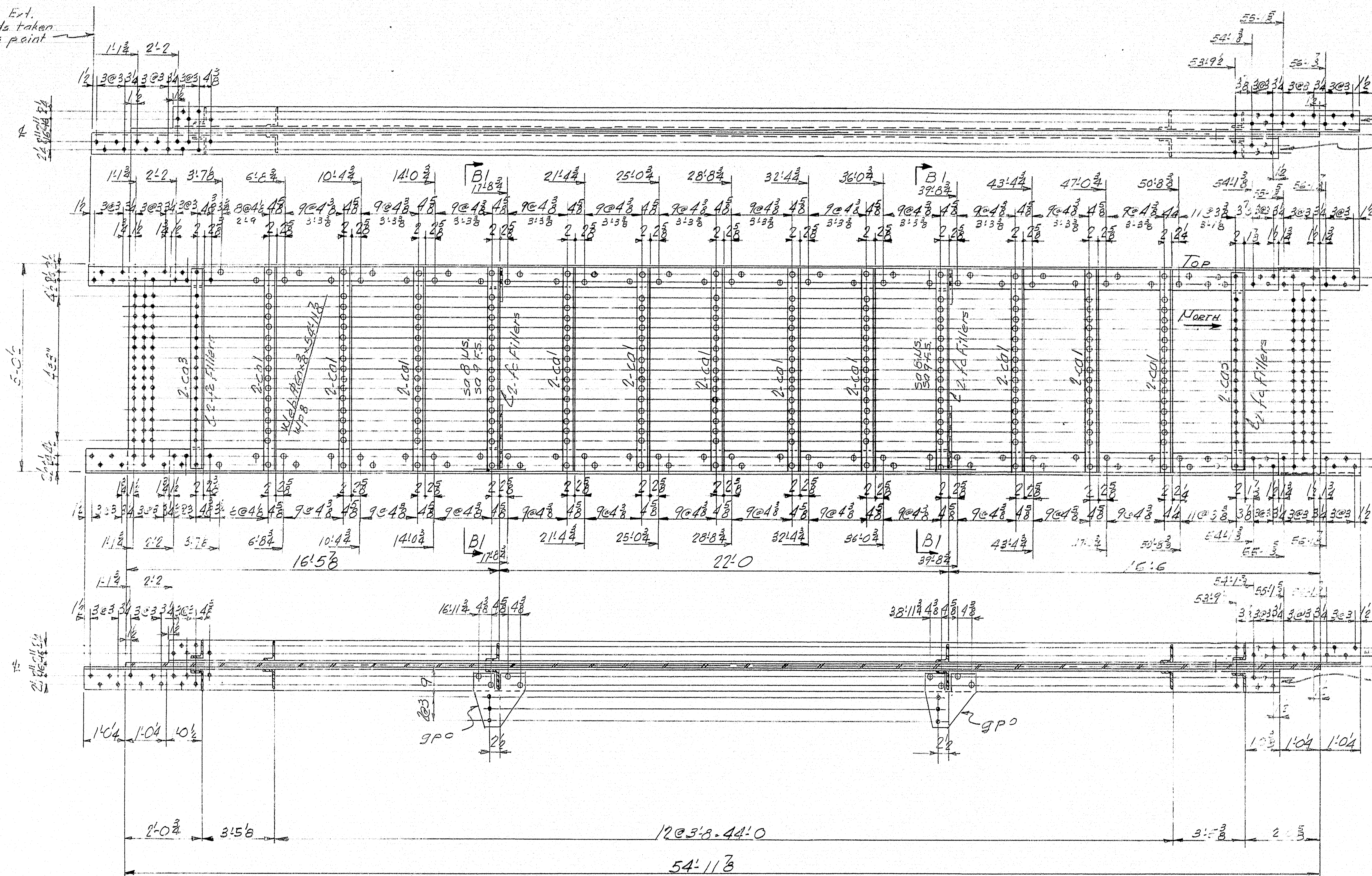
NOTES:
SHOP CORR: 7/8" Rivets
FIELD CORR: 3/4" H.S. Bolts
HOLES: 1/8" & As. Noted (See General Notes)
PAINT: Per State of Maine Specs (See General Notes)

For GENERAL NOTES See DWG 8-9-53

G5B - GIRDERS	
Bancroft & Martin Rolling Mills Company South Portland 7, Maine	
BOND BROOK BRIDGE AUGUSTA, MAINE	
CUSTOMER <u>ELLIS SNODGRASS INC.</u>	
DESIGNER <u>MAINE S.H.C. BRIDGE DIV.</u>	
ORDER NO. <u>VERBAL</u>	DWG. NO. <u>8-9-517</u>

DRAWN	<u>8-58 WPA</u>
REVISION	<u>3-1-53</u>
REVISION	
REVISION	

Punching Ext.
for chords taken
from this point



GIRDER G5A-1 REQ'D.

NOTES:

For comb diagram see drawing 8-9-D1
For sections not shown, see drawing 8-9-53
Quantities shown are for ONE BRIDGE
For sizes of material see Bill of Material 8-9-516

NOTES:

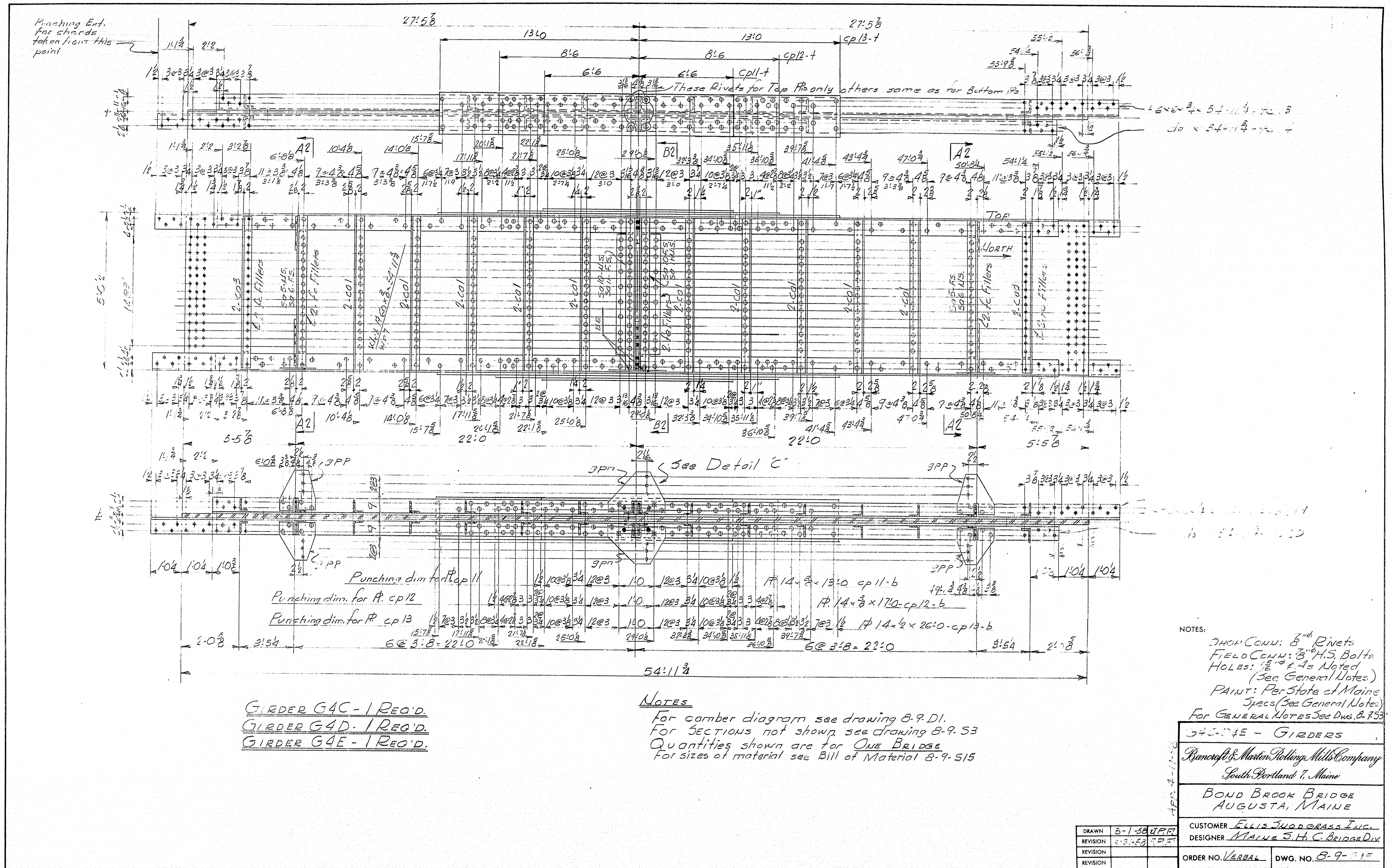
SHOP CORR: 7/8" Rivets
FIELD CORR: 5/8" H.S. Bolts
HOLES: 1/8" & As Noted (See General Notes)
PAINT: Per State of Maine Specs (See General Notes)

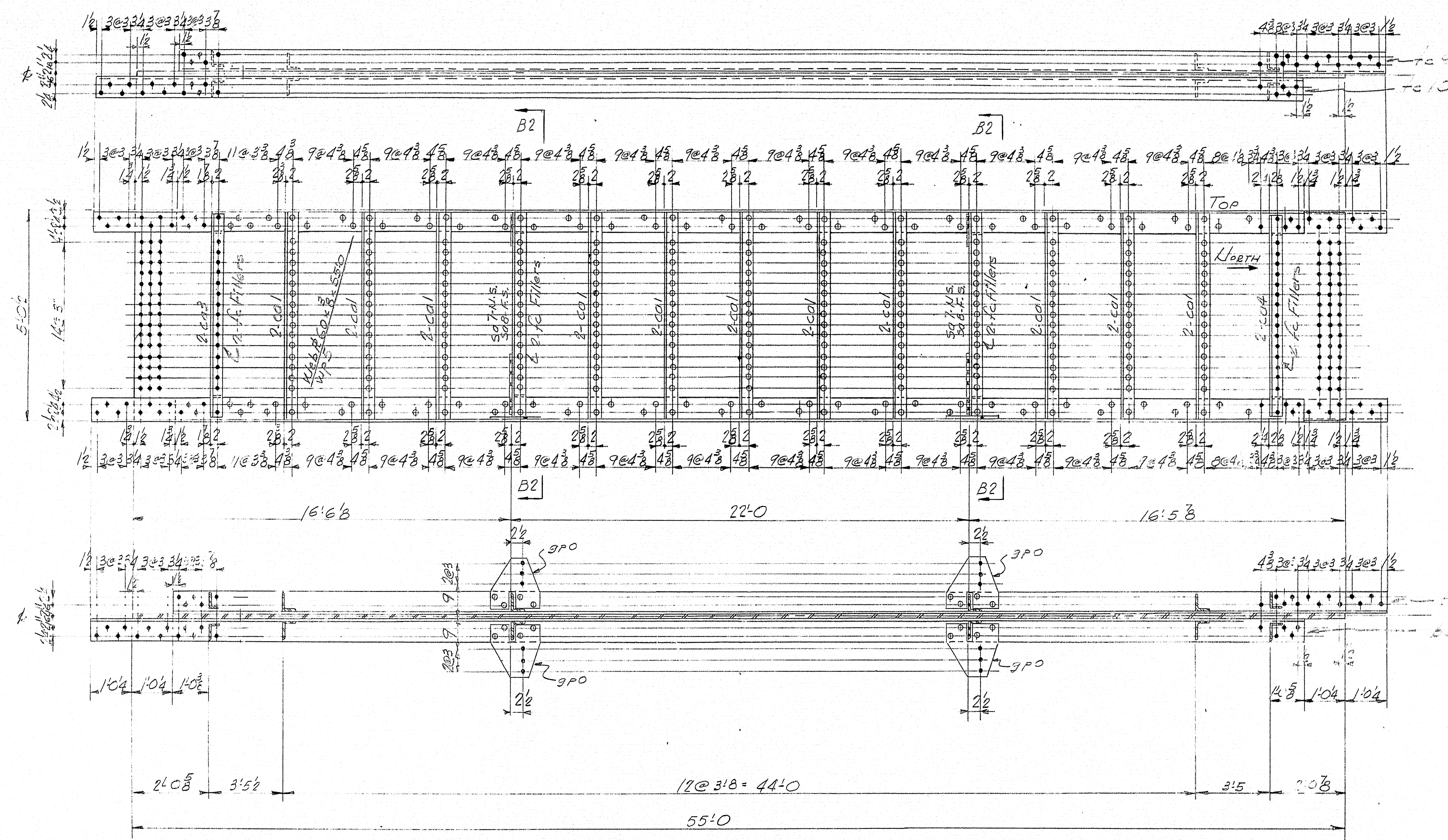
For GENERAL NOTES See DWG 8-9-53

54 - GIRDERS	
Barnes & Martin Rolling Mills Company South Portland 7, Maine	
BOND BROOK BRIDGE AUGUSTA, MAINE	
CUSTOMER <u>ELLIS SUGGERASS, INC.</u> DESIGNER <u>MAINE S.H.C. BRIDGE DIV.</u>	
ORDER NO. <u>VERBAL</u>	DWG. NO. <u>8-9-516</u>

DRAWN	8-3-58 J.P.H.
REVISION	1-2-59 J.P.H.
REVISION	
REVISION	







GIRDER - G3C - 1 REQ'D.
 GIRDER - G3D - 1 REQ'D.
 GIRDER - G3E - 1 REQ'D.

NOTES:
 For camber diagram see drawing 8-9-D1.
 For sections not shown, see drawing 8-9-S3
 Quantities shown are for ONE BRIDGE
 For sizes of material see Bill of Material 8-9-S12

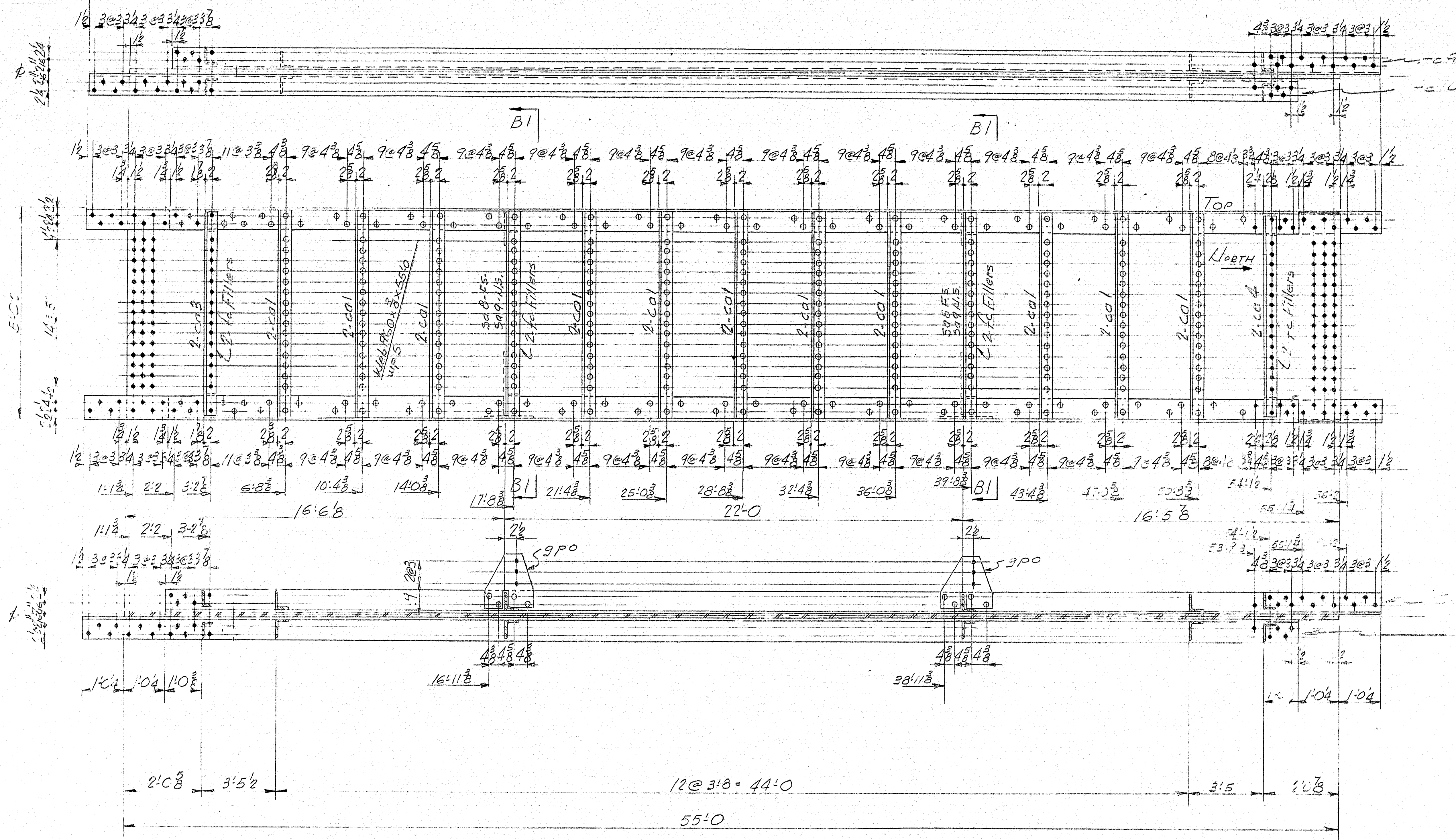
NOTES:
 SHOP CONN: 7" Rivets
 FIELD CONN: 8" H.S. Bolts
 HOLES: 1/8" & As Noted (See General Notes)
 PAINT: Per State of Maine Specs (See General Notes)

For GENERAL NOTES See DWG 8-9-S3

S.D.E. - GIRDERS	
Ramcraft & Martin Rolling Mills Company South Portland 7, Maine	
BOND BROOK BRIDGE AUGUSTA, MAINE	
CUSTOMER	ELLIS SNODGRASS INC.
DESIGNER	MAINE S.H.C. BRIDGE DIV.
ORDER NO.	VERBAL
DWG. NO.	8-9-S12

DRAWN	2-27-58 J.P.F.
REVISION	3-28-58 J.P.F.
REVISION	
REVISION	

Punching Ext.
for chords
taken from this
point



GIRDER-G3B-1 REQ'D.

NOTES:

For camber diagram see drawing 8-9-D1.
For sections not shown see drawing 8-9-S3
Quantities shown are for One Bridge
For sizes of material see Bill of Material 8-9-S11

NOTES:

SHOP CONN: 7/8" Rivets
FIELD CONN: 6" H.S. Bolts
HOLES: 1 1/2" & As Noted (See General Notes)
PAINT: Per State of Maine Specs (See General Notes)

For GENERAL NOTES See DWG 8-9-S3

G3B - GIRDERS

Ramcraft & Martin Rolling Mills Company
South Portland 7, Maine

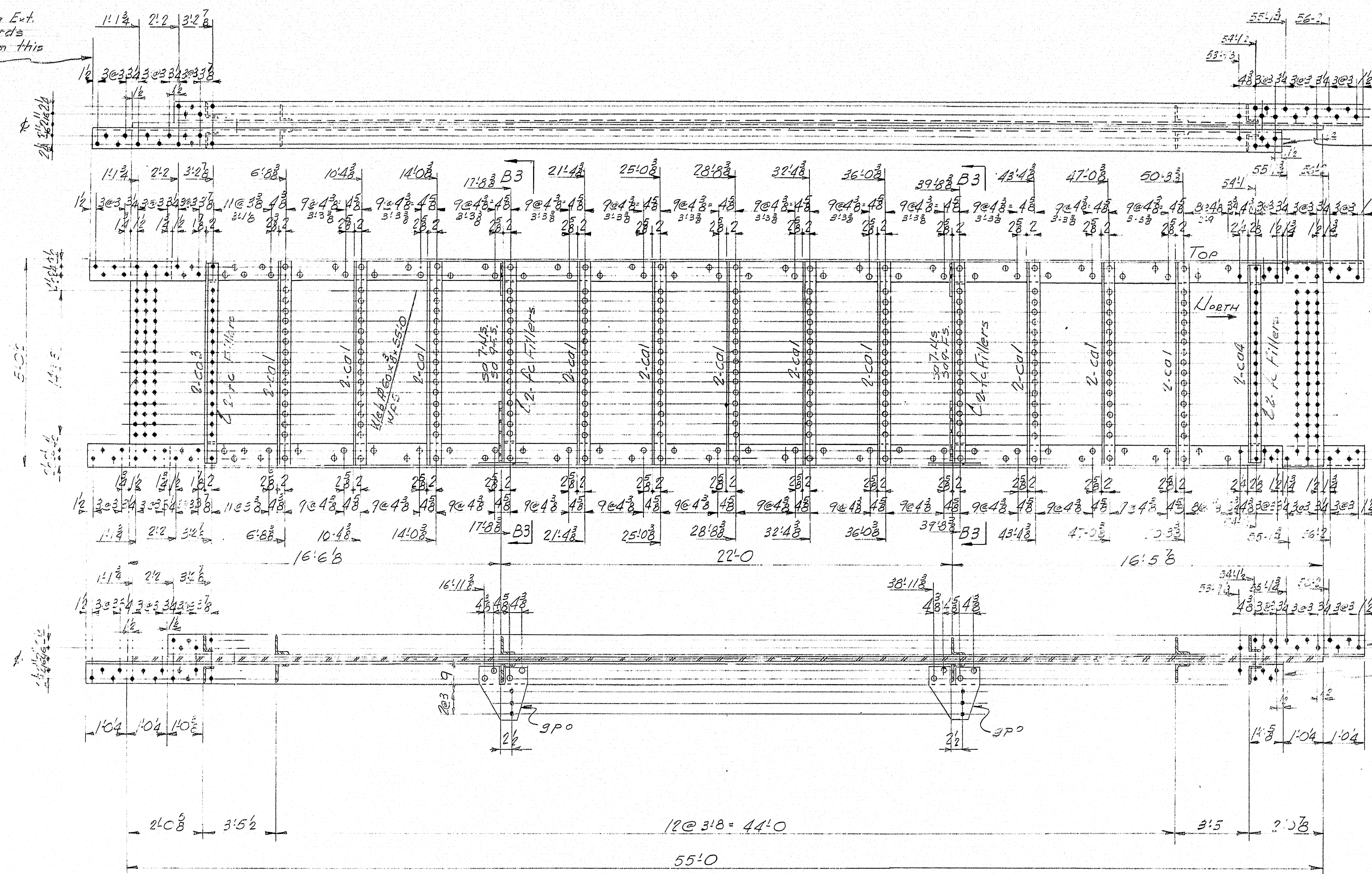
BOND BROOK BRIDGE
AUGUSTA, MAINE

CUSTOMER FULLS SUNDRESS INC.
DESIGNER MAINE S.H.C. BRIDGE DIV.

ORDER NO. VERBA DWG. NO. 8-9-511

DRAWN	1-28-52	J.P.F.
REVISION	6-22-52	J.P.F.
REVISION		
REVISION		

Punching Ent.
for chords
taken from this
point



GIRDER-G3A-1 REQ'D.

NOTES:

For camber diagram see drawing 8-9-D1.
For sections not shown see drawing 8-9-S3
Quantities shown are for ONE BRIDGE
For sizes of material see Bill of Material 8-9-S10

NOTES:
SHOP CONN: 7/8" Rivets
FIELD CONN: 3/4" H.S. Bolts
HOLES: 1/8" & As Noted (See General Notes)
PAINT: Per State of Maine Specs (See General Notes)

For GENERAL NOTES See DWG 8-9-S3

G3A - GIRDERS

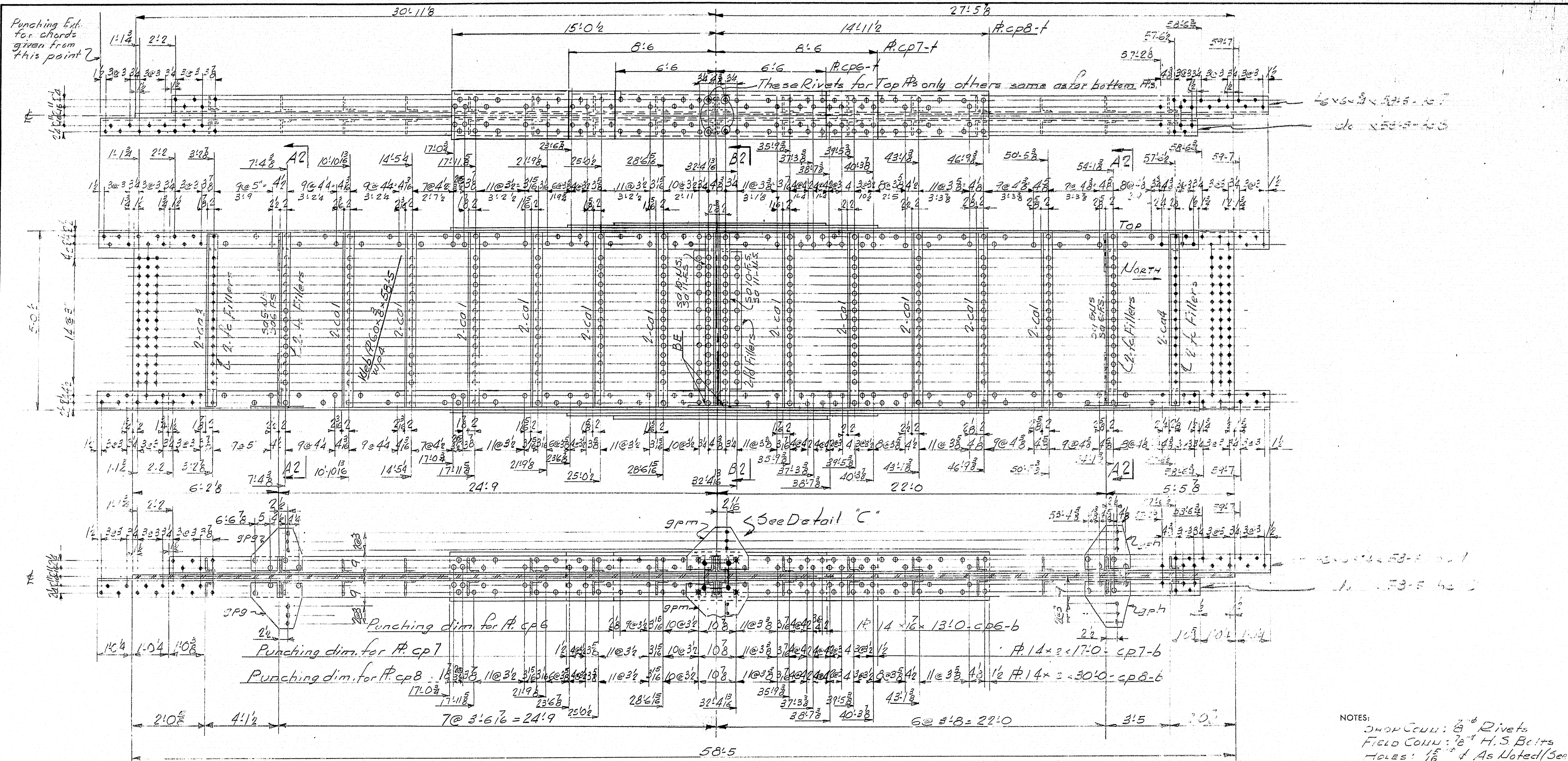
Bancroft & Martin Rolling Mills Company
South Portland 7, Maine

BOND BROOK BRIDGE
AUGUSTA, MAINE

CUSTOMER ELLIS SURGEON INC.
DESIGNER MAINE S.H.C. BRIDGE DIV.

ORDER NO. VERBAL DWG. NO. 8-9-S12

DRAWN	55-58 J.B.F.
REVISION	3-28-79 J.P.A.
REVISION	
REVISION	



GIRDER G2C-1 REQ'D.
GIRDER G2D-1 REQ'D.
GIRDER G2E-1 REQ'D.

NOTES:

For camber diagram see drawing 8-9-D1.
For SECTIONS not shown see drawing 8-9-S3
Quantities shown are for ONE BRIDGE
For sizes of material see Bill of Material 8-9-S9.

NOTES:
Shop Conn: 8" Rivets
Field Conn: 8" H.S. Bolts
Holes: 15/16" As Noted (See General Notes)
PAINT: Per State of Maine Specs. (See General Notes)

For GENERAL NOTES See Dwg. 8-9-S3

G.C.D.E - GIRDERS

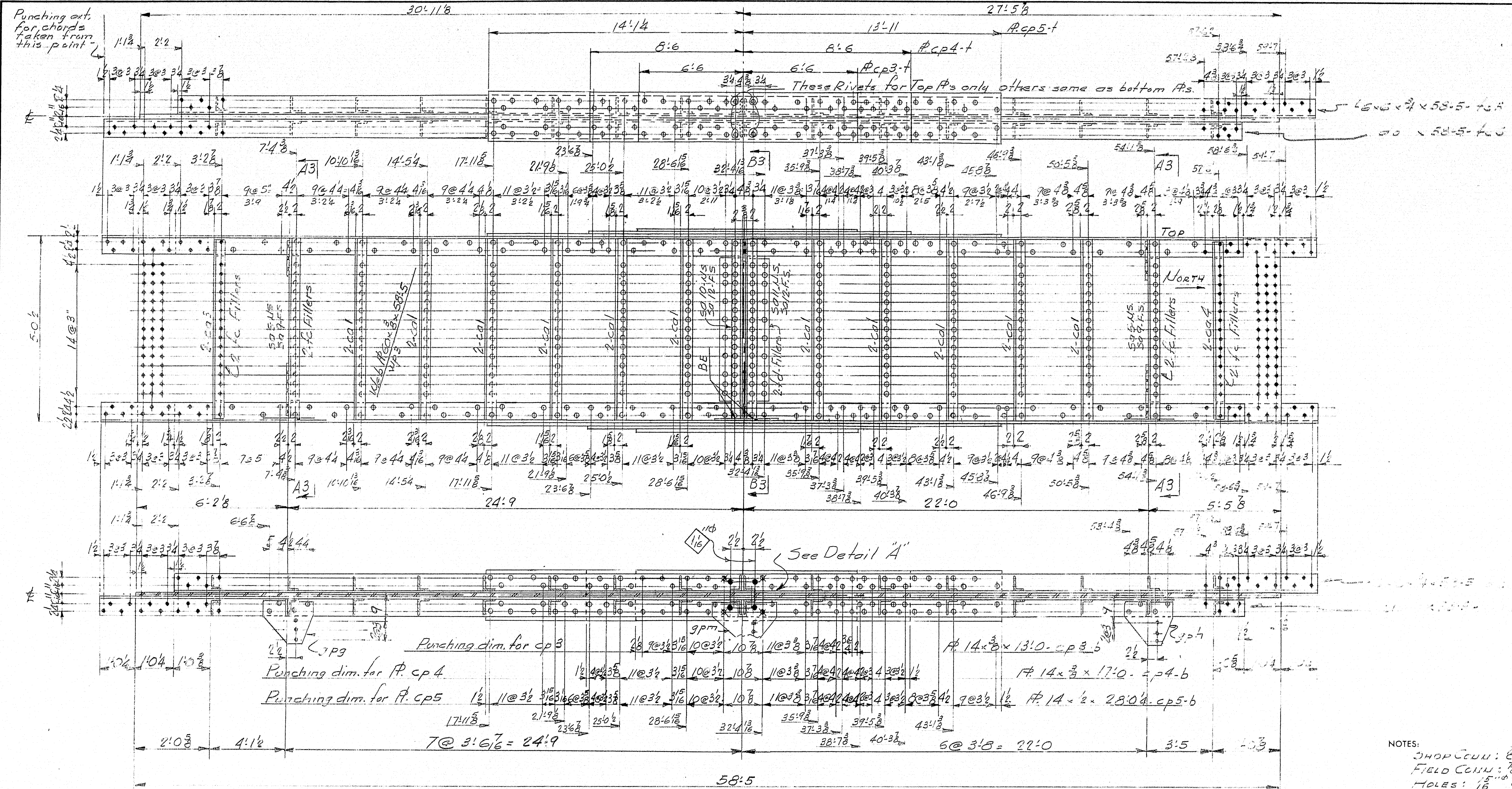
Rancho & Martin Rolling Mills Company
South Portland 7, Maine

BOND BROOK BRIDGE
AUGUSTA, MAINE

CUSTOMER: ELLIS SUNDGRASS, INC.
DESIGNER: MAINE S.H.C. BRIDGE DIV.

ORDER NO. VERBAL DWG. NO. 8-9-S9

DRAWN	2-20-58 J.P.F.
REVISION	3-28-58 J.P.F.
REVISION	
REVISION	



GIRDER G2A-1 REQ'D

NOTES:

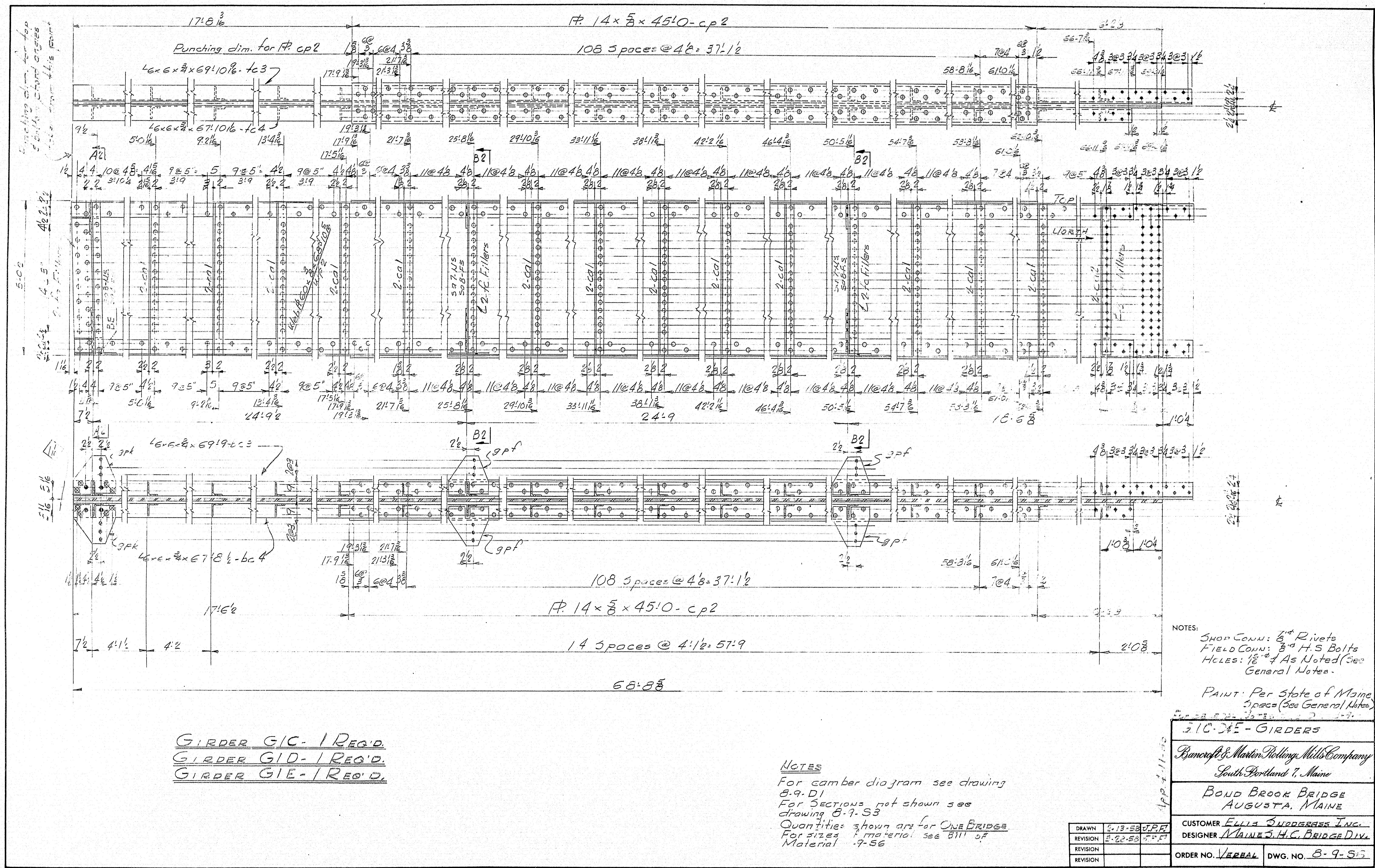
For camber diagram see drawing 8-9-D1.
For SECTIONS not shown see drawing 8-9-S3
Quantities shown are for ONE BRIDGE
For sizes of material see Bill of Material 8-9-S7

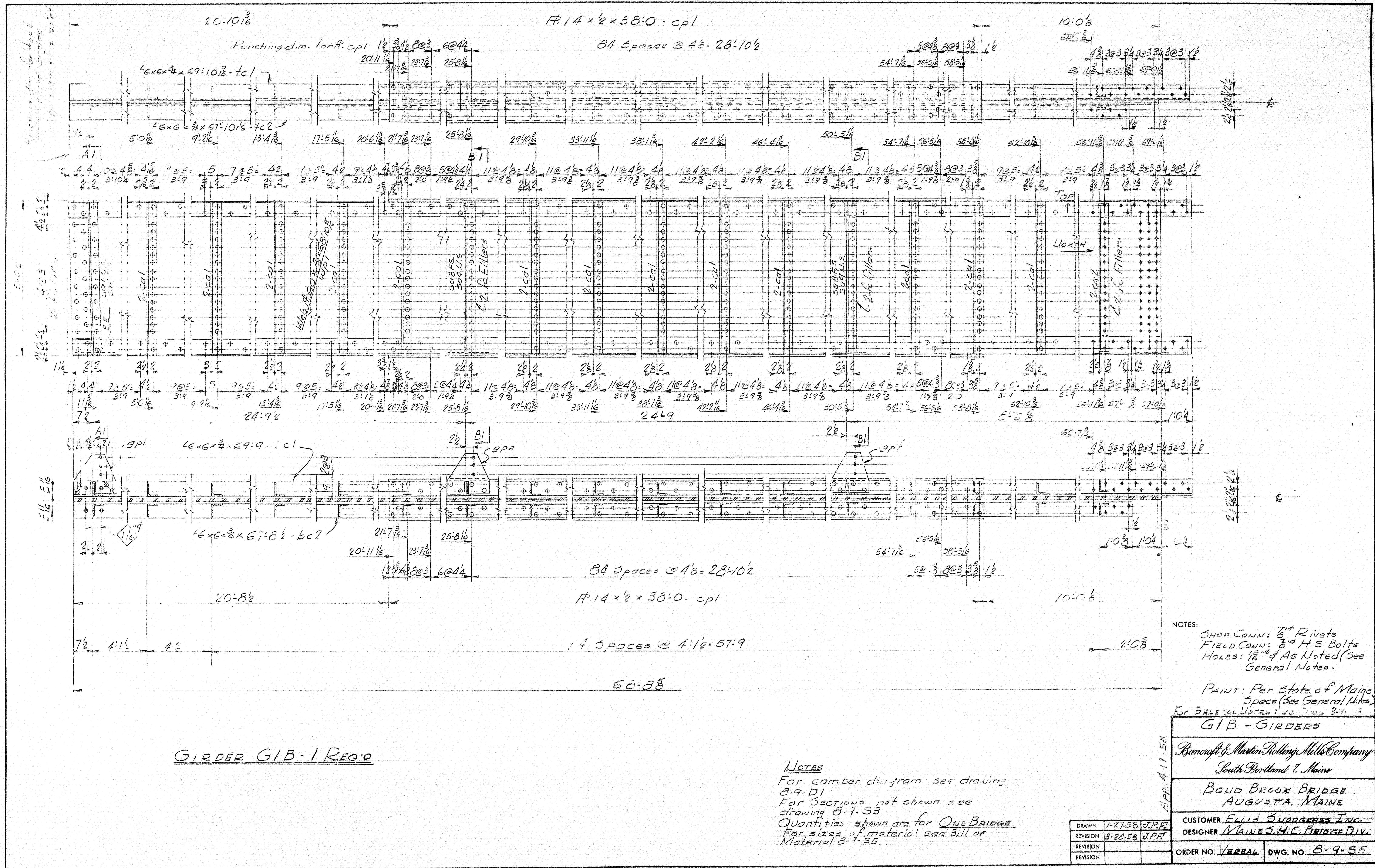
NOTES:
SHOP CORR: 8" Rivets
FIELD CORR: 7/8" H.S. Bolts
HOLES: 1/8" & As Noted (See General Notes)
PAINT: Per State of Maine Specs. (See General Notes)

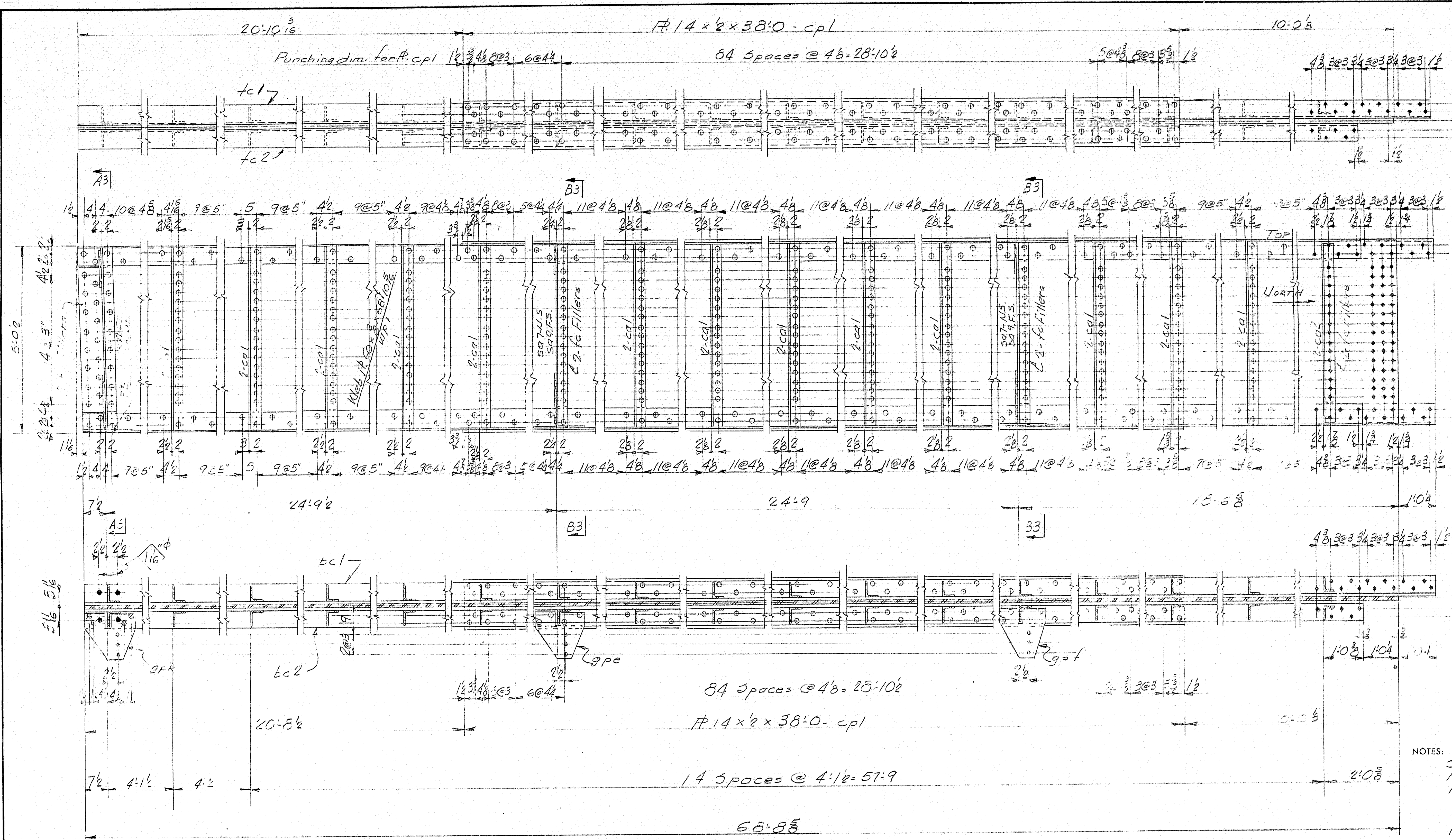
For GENERAL NOTES See Dwg. 8-9-S3

G2A-1 - GIRDERS	
Bancroft & Martin Rolling Mills Company South Portland 7, Maine	
BOND BROOK BRIDGE AUGUSTA, MAINE	
CUSTOMER	ELLIS SNODGRASS INC.
DESIGNER	MAINE S.H.C. BRIDGE DIV.
ORDER NO.	VERBAL
DWG. NO.	8-9-S7

DRAWN	8-19-58 J.P.F.
REVISION	8-23-58 P.F.
REVISION	
REVISION	







GIRDER GIA-1 REQ'D

Chord angles fully detailed on 8-9-55

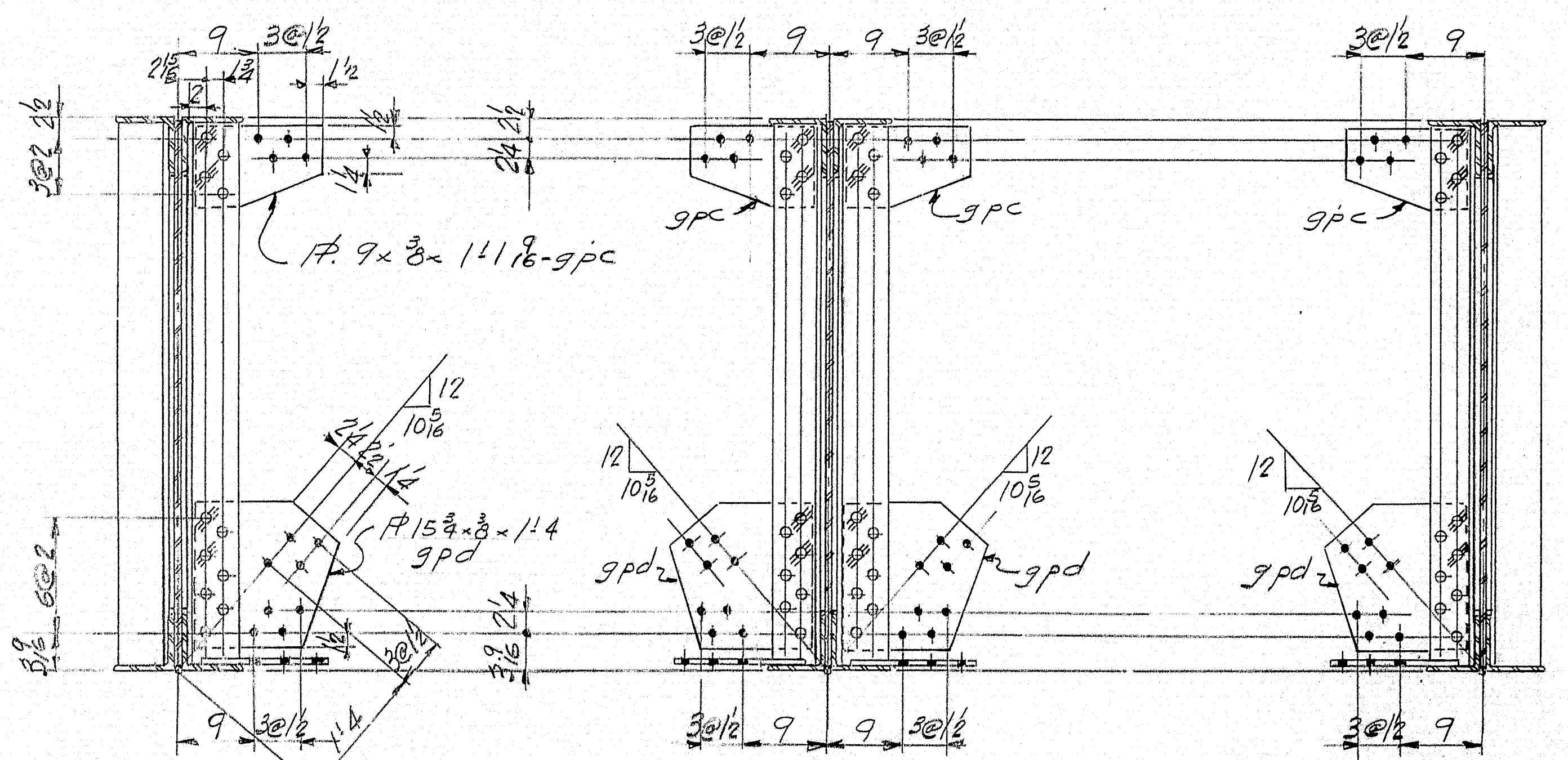
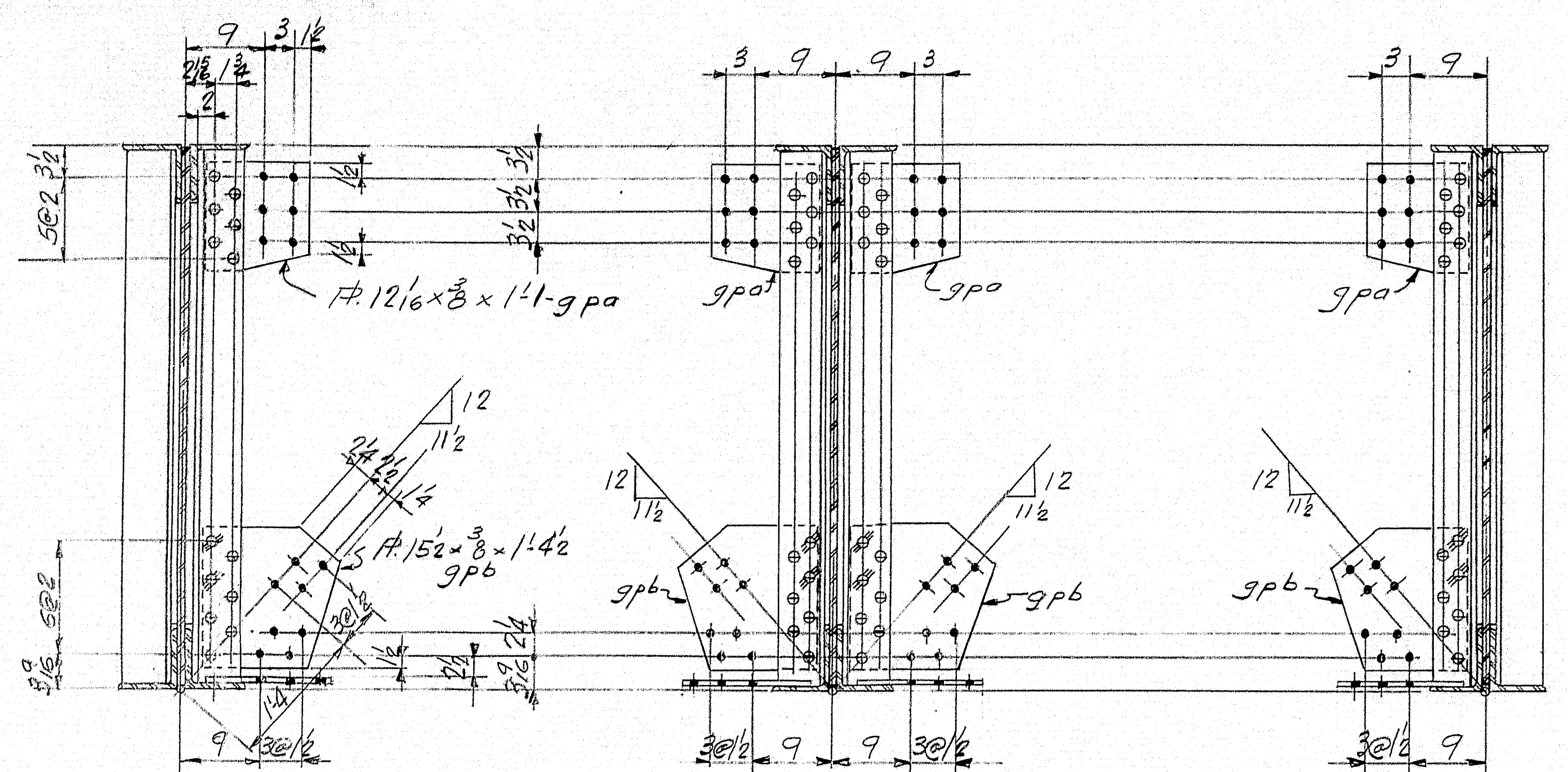
NOTES
 For camber diagram see drawing 8-9-D1
 For sections not shown see drawing 8-9-S3
 Quantities shown are for TWO BRIDGES
 For sizes of material see 311 of Material 8-9-54

NOTES:
 SHOP CONN: 6" Rivets
 FIELD CONN: 8" H.S. Bolts
 HOLES: 1/8" As Noted (See General Notes)

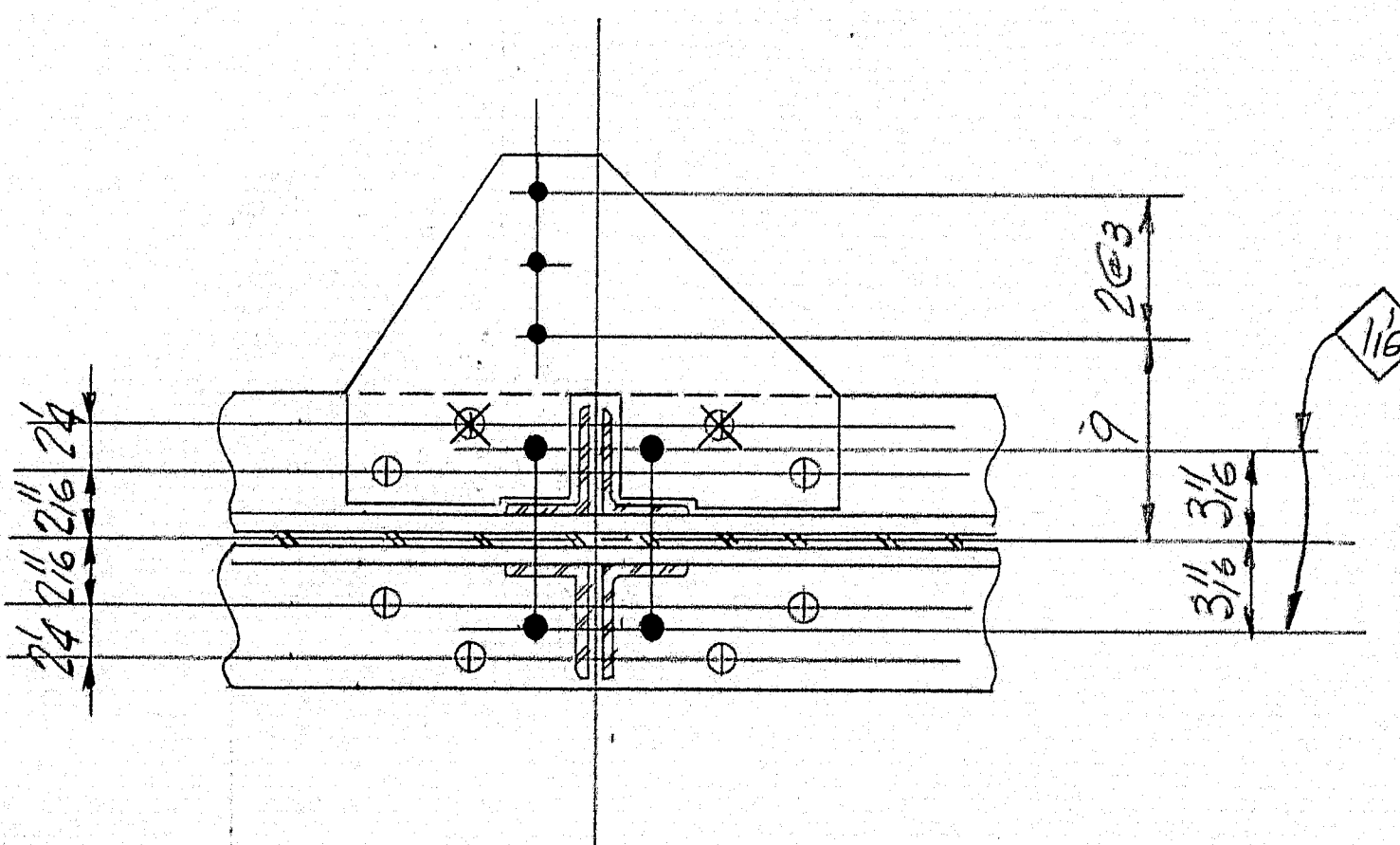
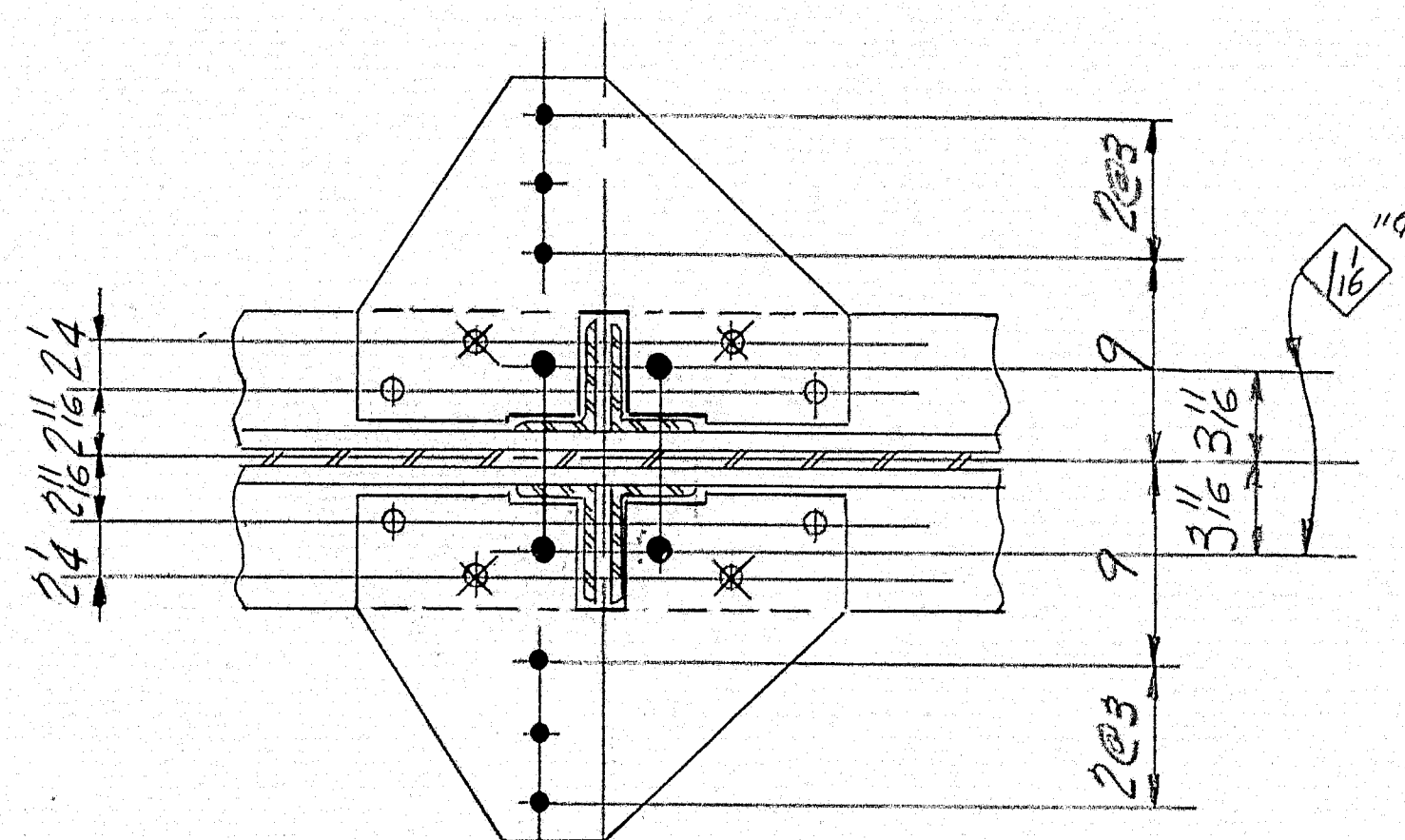
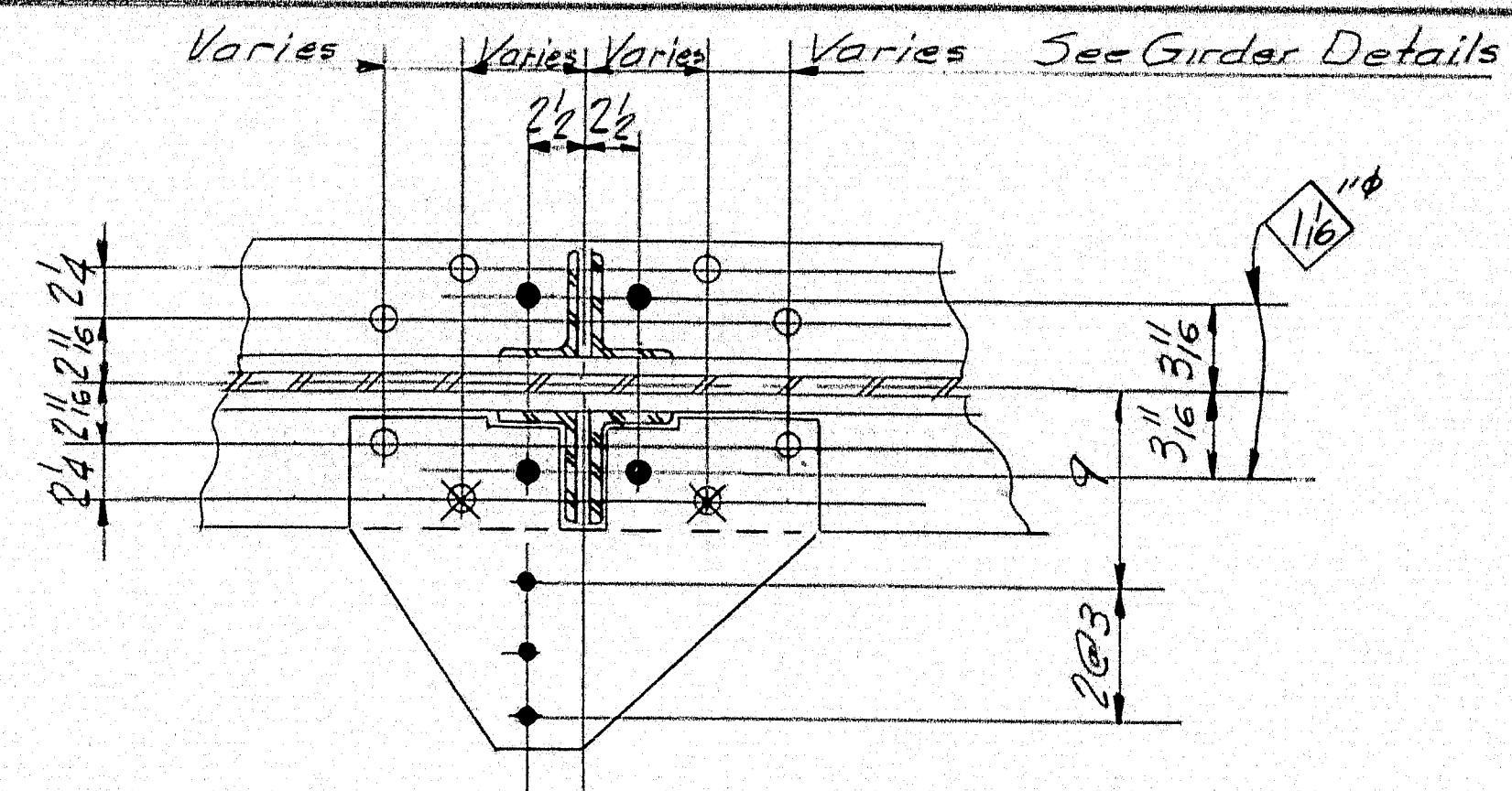
PAINT: Per State of Maine Specs (See General Notes)

GIR - GIRDERS	
Bancroft & Martin Rolling Mills Company South Portland, Maine	
BOND BROOK BRIDGE AUGUSTA, MAINE	
CUSTOMER: ELLIS SUGGESS INC.	
DESIGNER: MAINE S.H.C. BRIDGE DIV.	
ORDER NO. VERBAL	DWG. NO. 8-9-54

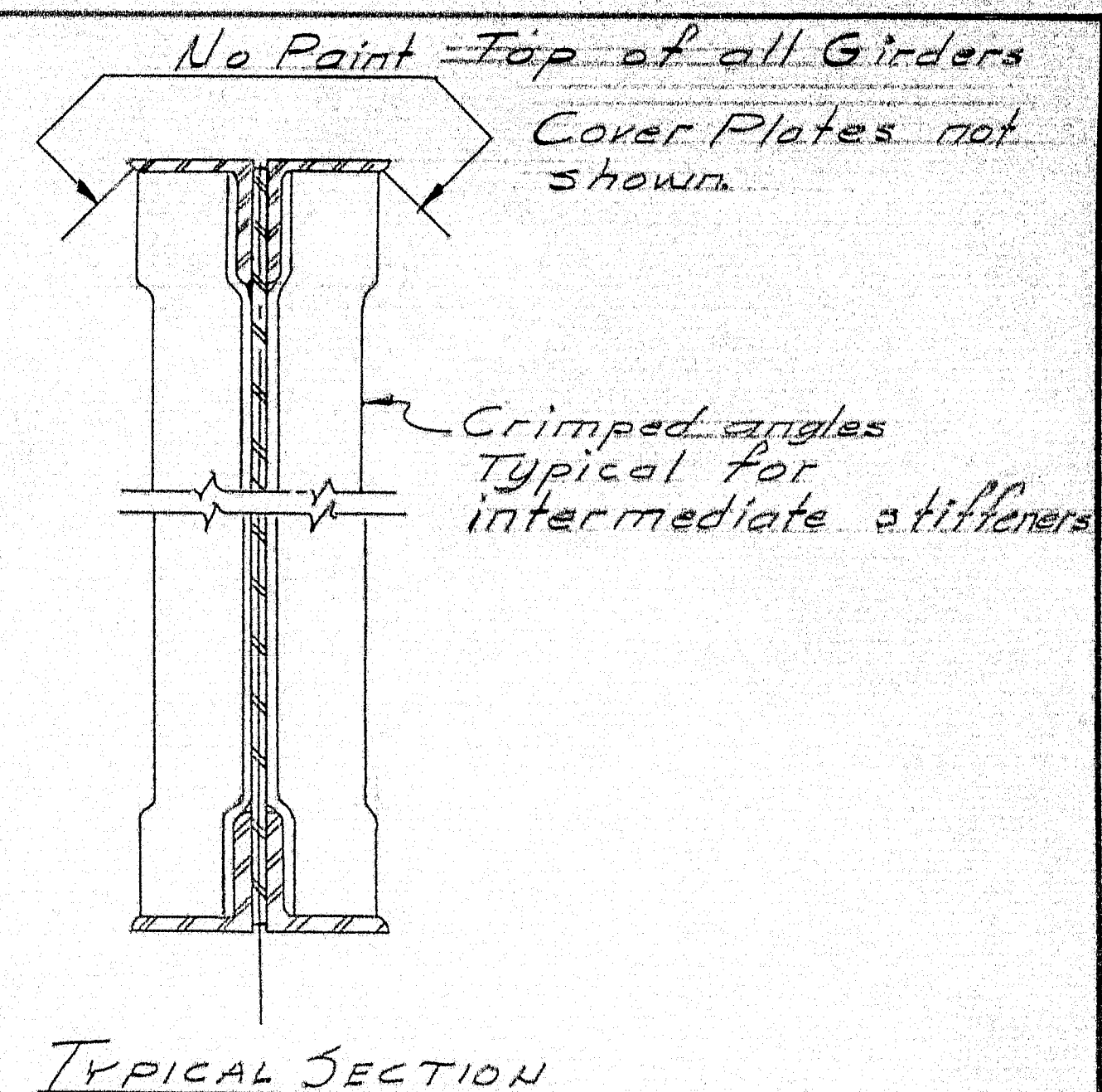
DRAWN	1-27-53 J.P.F.
REVISION	3-23-53 J.P.F.
REVISION	
REVISION	



NOTES:
Cover Plates not shown



NOTE:
For positive location
direction of gussets
see girder details.
Cover Plates not shown.



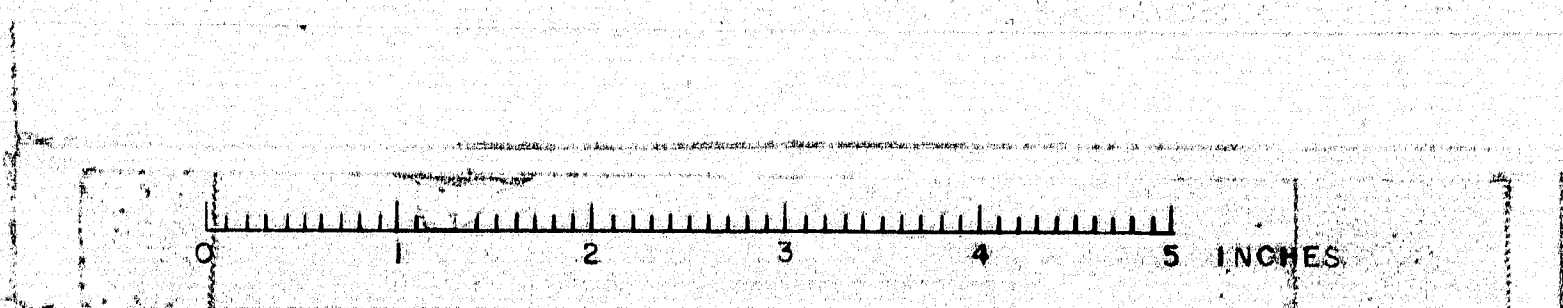
GENERAL NOTES

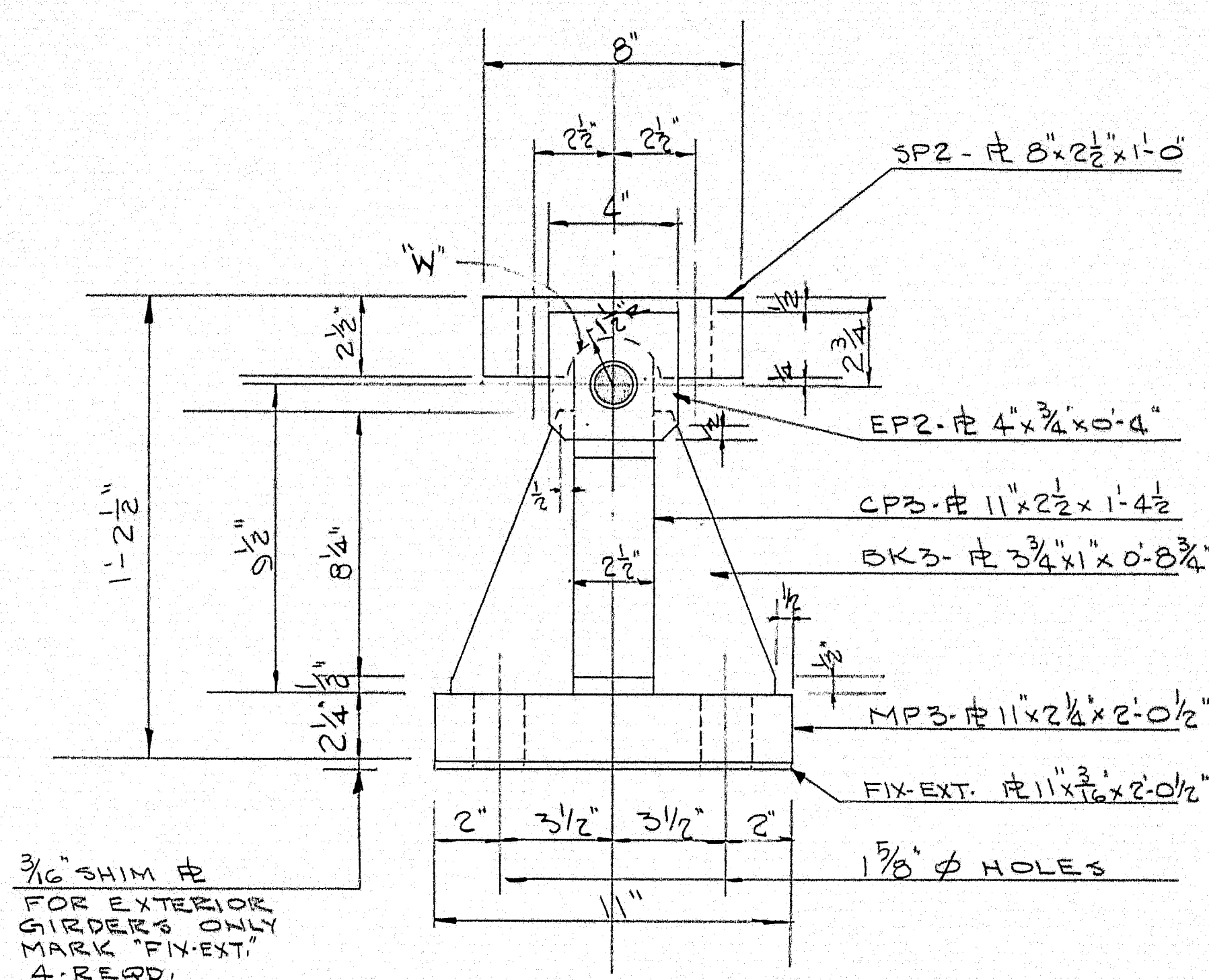
- 1- In steel thicker than $\frac{3}{4}$ " holes shall be sub-punched or sub-drilled $\frac{1}{8}$ " smaller and after assembling reamed $\frac{1}{8}$ " larger or drilled from the solid to $\frac{1}{8}$ " larger than the nominal diameter of the rivets.
- 2- Open holes are for Hi-Tensile Bolts, they are to be free from burrs and there shall be no paint on any surface within 3" of such open holes.
- 3- Holes in field splices of continuous girders to be sub-punched (or sub-drilled) and reamed while assembled in the shop and connecting parts to be match marked & bolted for shipment.

NOTES:
SHOP CONN: $\frac{3}{8}$ " Rivets
FIELD CONN: $\frac{3}{8}$ " H.S. Bolts

TYPICAL SECTION & DETAILS	
Bancroft & Martin Rolling Mills Company South Portland, Maine	
BOND BROOK BRIDGE AUGUSTA, MAINE	
CUSTOMER: ELLIS SHODGEASS INC. DESIGNER: MAINE S.H.C. BRIDGE DIV.	
ORDER NO. <u>KERRAL</u>	DWG. NO. <u>B-9-S3</u>

DRAWN	<u>2-11-58 J.P.R.</u>
REVISION	<u>3-28-58 J.P.R.</u>
REVISION	
REVISION	





1'-1"

WELDED

2. HX NUTS

THRO.

1'-0"

4"

1.5"

40-AB2

2-HX NUT

1/2-WA SH 2
B 3 x 1/4 x 2.5
1/4" SWEDGED

1.0" SWEDGED

3" THRD

Hand-drawn sketch of a mechanical assembly with the following dimensions and labels:

- Top dimension: $1' - 4\frac{1}{2}"$
- Top right label: $40-AB3$
- Left side dimension: $1\frac{1}{2}"$ SWEDGED
- Right side label: HY. NUT & WASHER
- Bottom left dimension: $1\frac{1}{2}"$ SWEDGED
- Bottom right dimension: $3"$ THRD

NOTES: SEE DWG 51 FOR
MATERIAL & NOTES.

DRAWN	1-23-58	R.L.B.
REVISION		
REVISION		
REVISION		

Bancroft & Martin Rolling Mills Company
South Portland 7, Maine

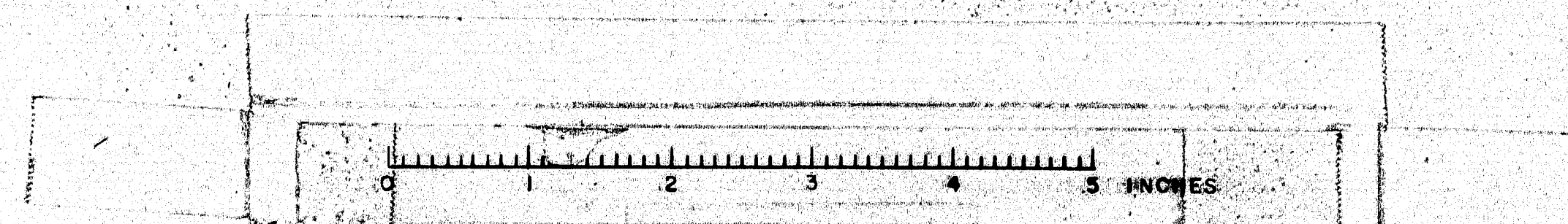
BOND BROOK & MT. VERNON AVE.
BRIDGE. AUGUSTA. ME.

CUSTOMER ELLIS SNODGRASS INC.
DESIGNER ME S H COMM.

ORDER NO. <u>VERBA</u>	DWG. NO. <u>8-9-52</u>
------------------------	------------------------

APPROVED 1-27-58

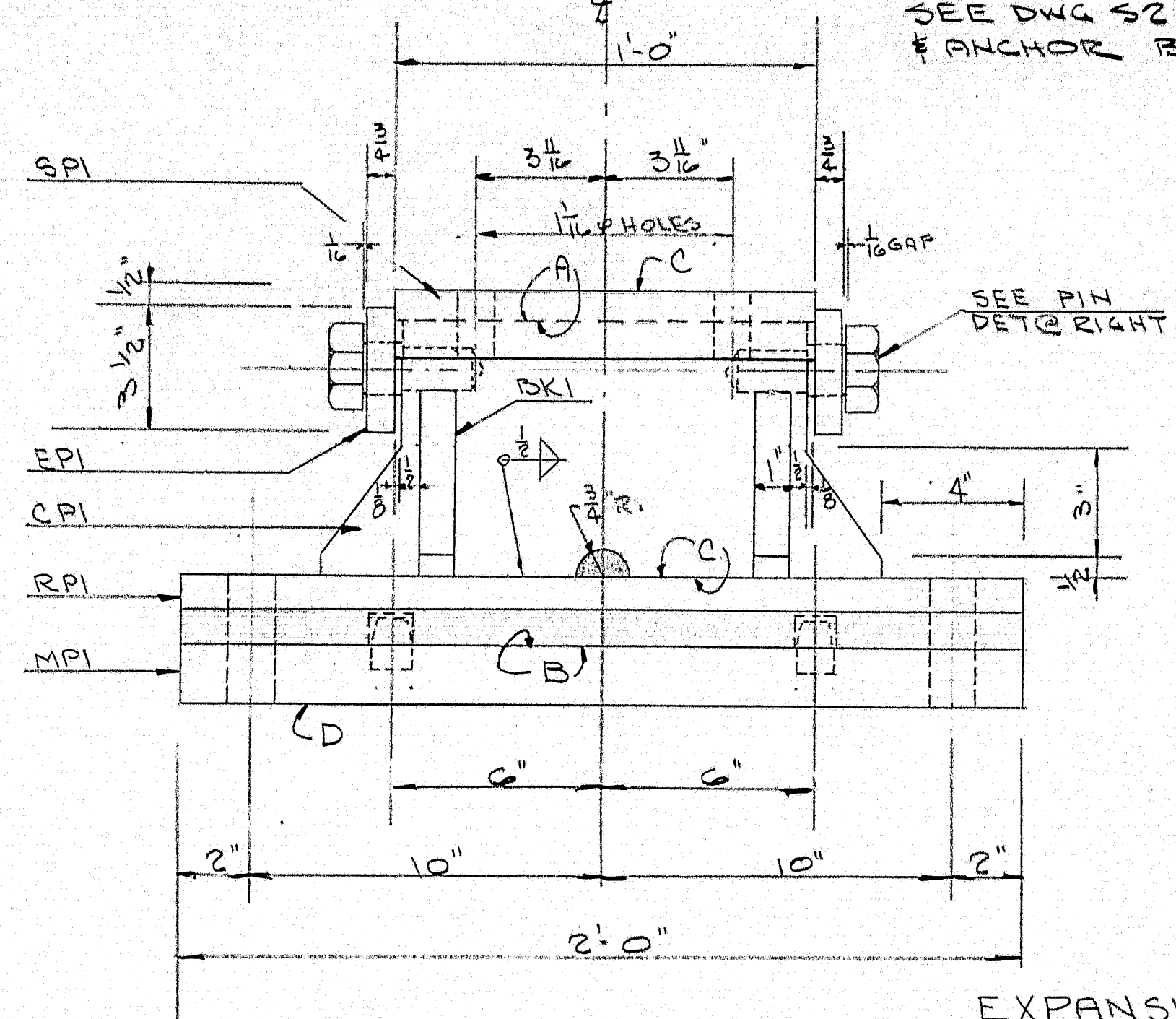
70 - 223



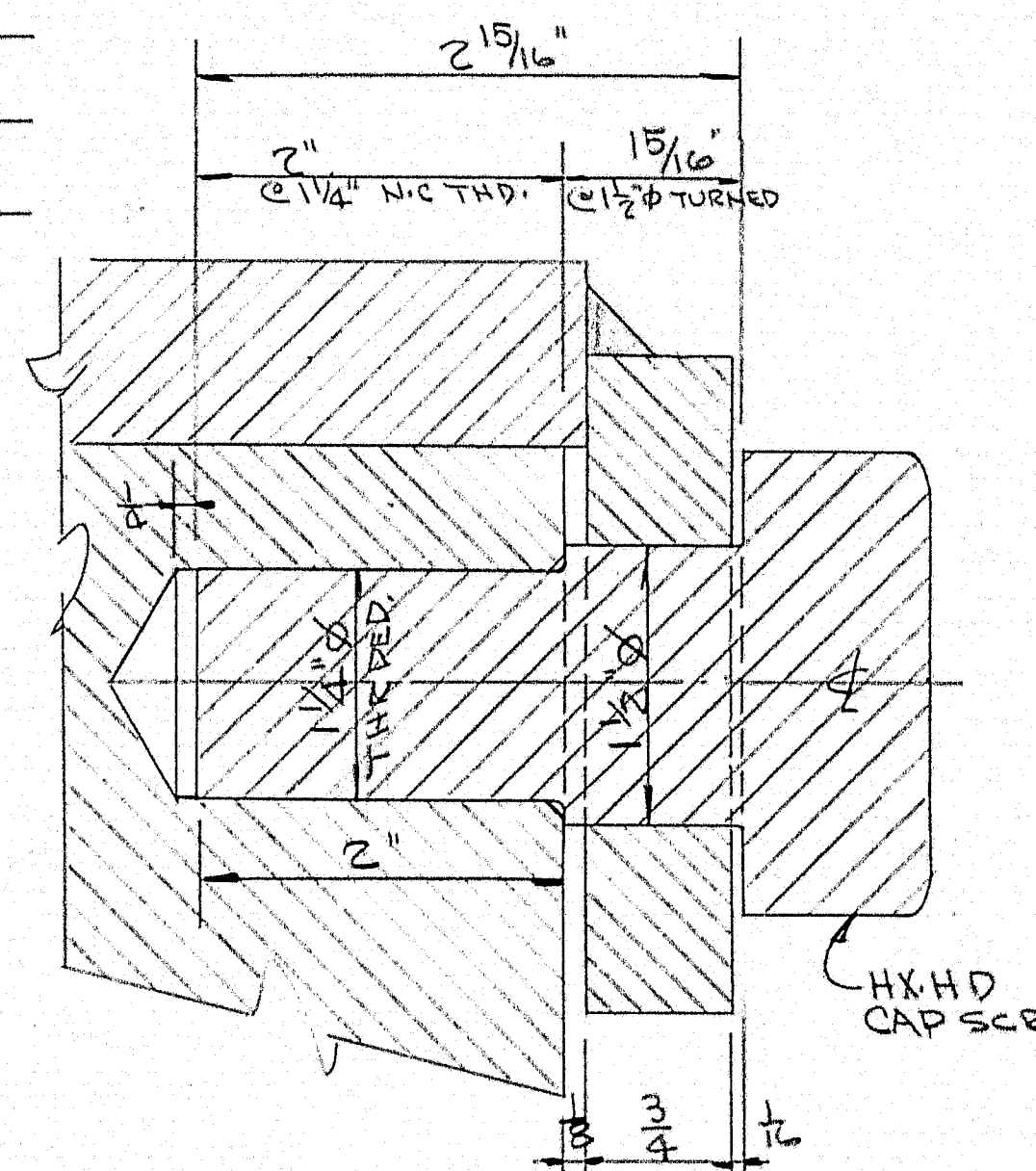
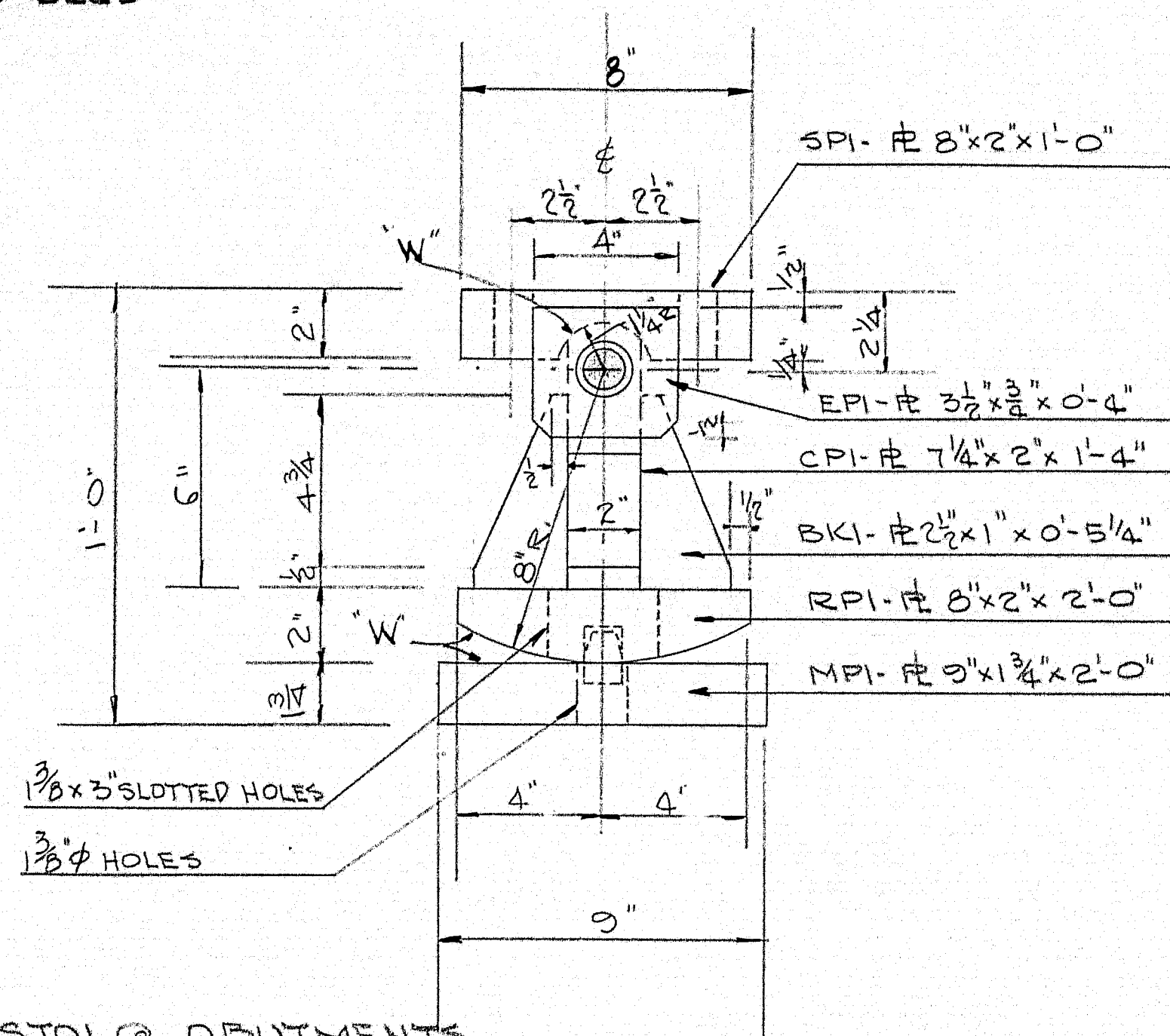
FINISH SCHEDULE	
SURFACE MARK	FINISH
A	ASA 125
B	" 250
C	" 1000
D	" 2000

NOTES:

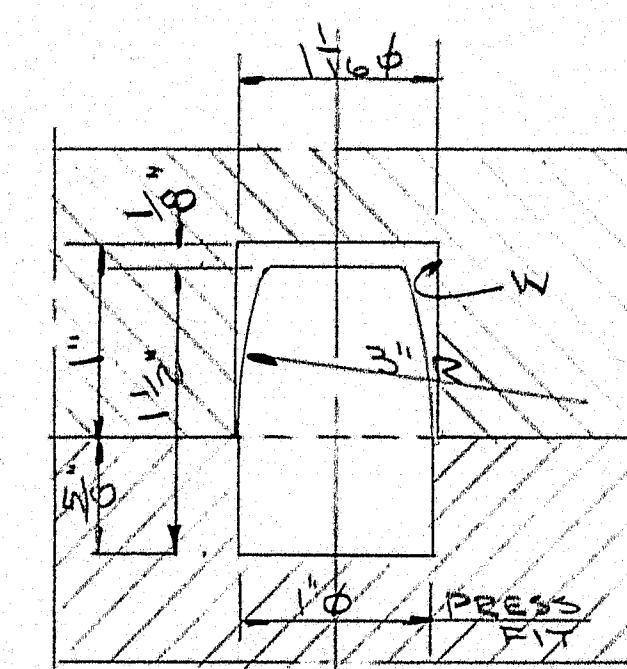
PLATES TO BE STRAIGHT & TRUE AFTER WELDING. SURFACES MARKED 'W' TO BE PAINTED WITH WHITE LEAD & TALLOW. SCALE WEIGH SHOP ASSEMBLIES. MAKE METAL TEMPLATE FOR DRILLING 1/16" HOLES & SHOP TO USE SAME FOR GIRDER HOLES. SEE DWG 52 FOR FINED BRGS & ANCHOR BOLTS.



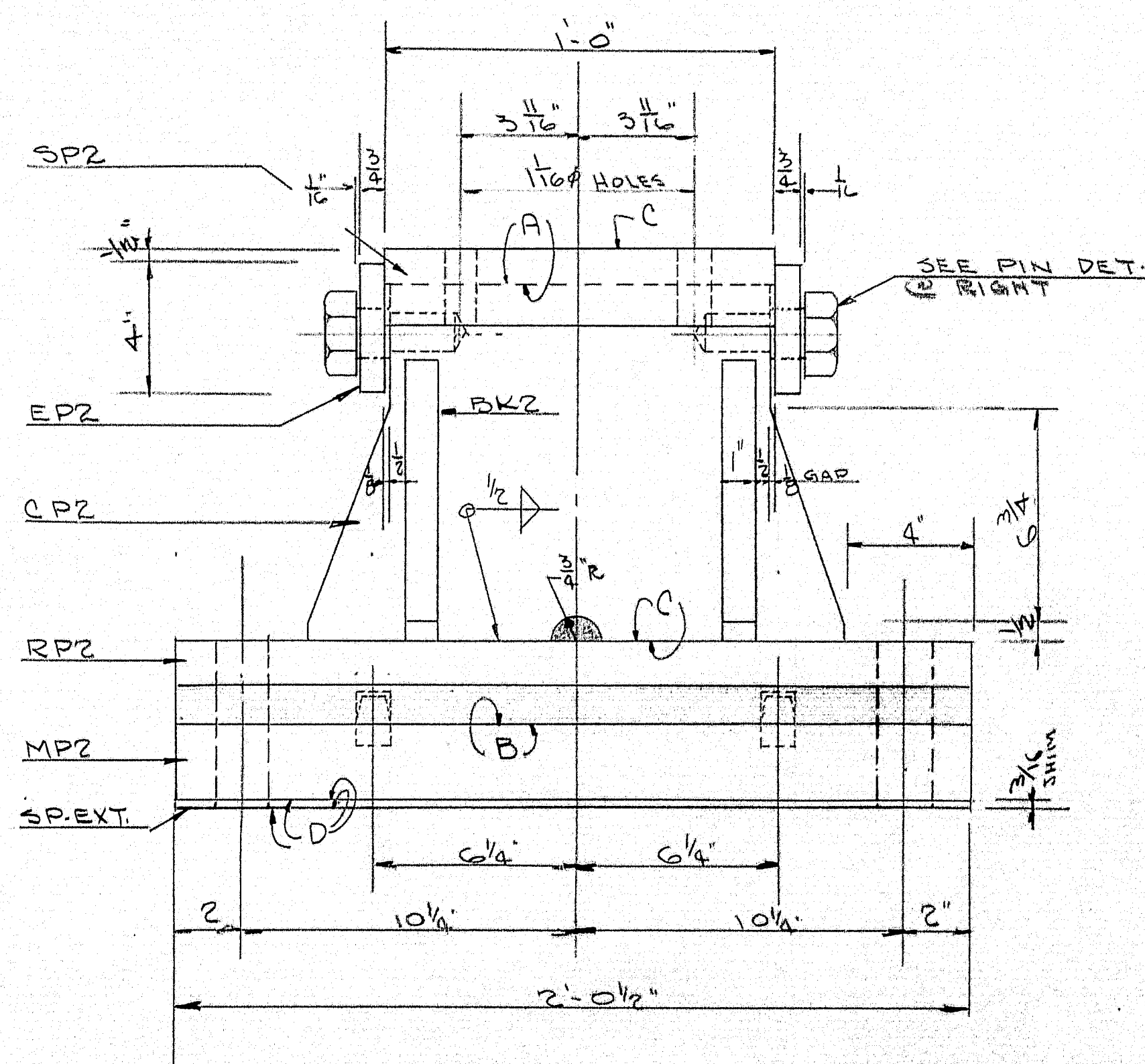
EXPANSION PEDESTAL @ ABUTMENTS
20 ASSEMBLIES REQD.
MARK 'EA'



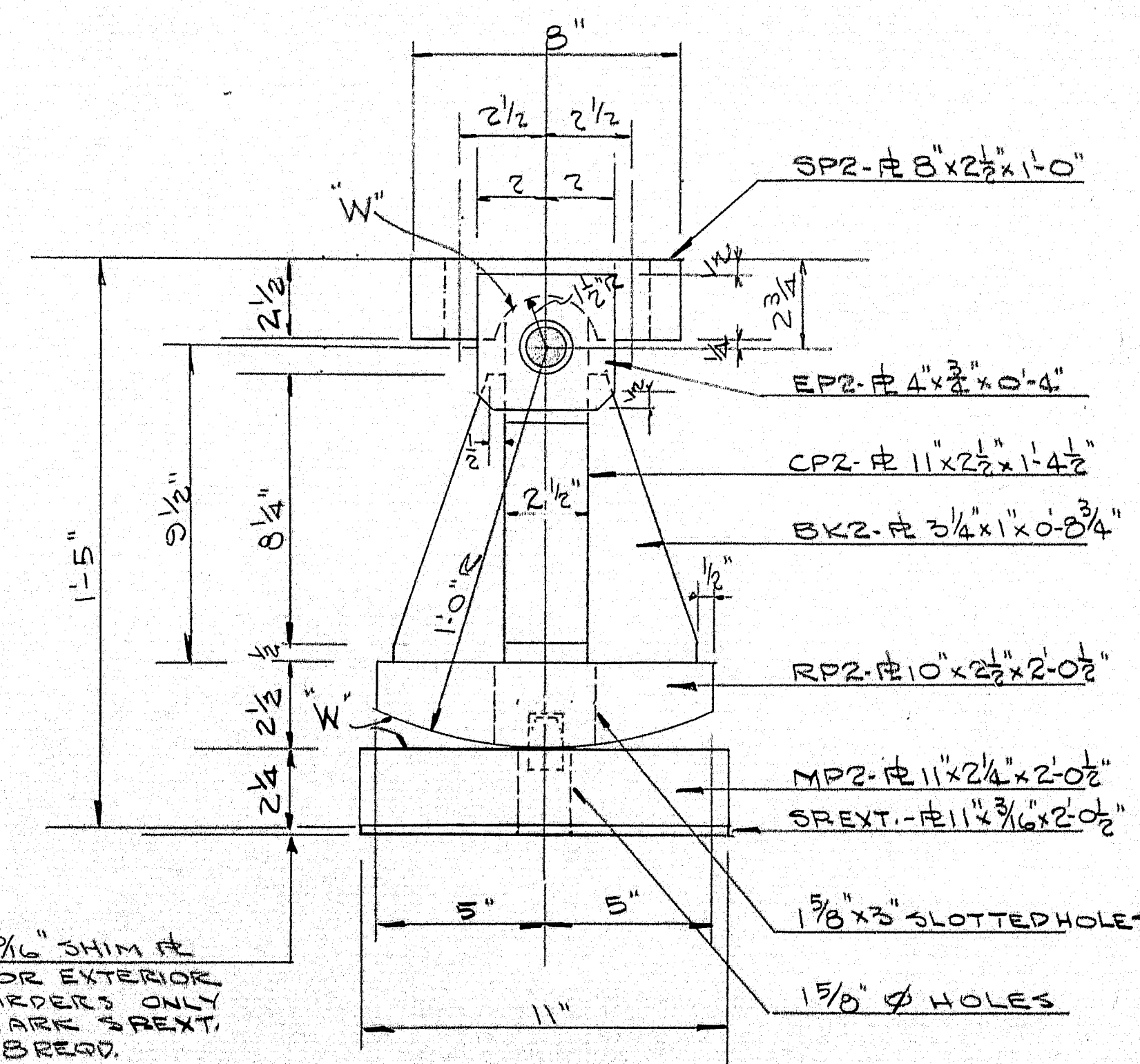
PIN DETAIL



DOWEL DETAIL



EXPANSION PEDESTAL @ PIER #1 & 3
20 ASSEMBLIES REQD.
MARK 'EP'



SHIP		BILL OF MATERIAL			DWG. NO. 8-9-51	
MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
EA	20		ASSEMBLIES			SCALE WEIGHT
EP	20		do			do
FP	10		do			do
AB1	40		1" ROD	17		
AB2	40		1/2" ROD	19		
AB3	40		do	14 1/2		COMPUTED HEIGHTS
	80		1" H X NUTS			
	120		1/2" H X NUTS			
	40		1/4" WASHERS			
	40	W1	1/2" X 3/4"	5	38	
	40	W2	1/2" X 3/4"	5	40	
	20	SPI	8" X 2"	10		CHECK WITH MACH. SHOP
	30	SP2	8" X 2 1/2"	10		FOR ALLOWANCE FOR
	40	EPI	8" X 3 1/4"	4		FINISH BEFORE CUTTING
	60	EP2	8" X 3 1/4"	4		STUCK
	20	CPI	7 1/4" X 2"	14		
	20	CP2	11" X 2 1/2"	14 1/2		
	10	CP3	do	14 1/2		
	80	BK1	8" X 1"	5 1/4		
	80	BK2	8" X 1"	8 3/4		
	40	BK3	8" X 1"	8 3/4		
	20	RPI	8" X 2"	20		
	20	RP2	10" X 2 1/2"	20 1/2		
	20	MP1	8" X 1 3/4"	20		
	20	MP2	11" X 2 1/4"	20 1/2		
	10	MP3	11" X 2 1/4"	20 1/2		
	8	SP-EXT.	11" X 3/16"	20 1/2		
	4	FIX-EXT.	11" X 3/16"	20 1/2		
	80	DOWL	1" TURNED	1 1/2		
	100	PINS	1/2" H X HD CAP SCREWS	3"		TURNED TO DET.

THIS IS COMPLETE MATL FOR DWGS 8-9-51 & 52

SHOP CONNECTIONS: FULL 3/8 FILET UNLESS NOTED
FIELD CONNECTIONS: BOLTED
HOLES: AS NOTED
PAINT: RED LEAD & OIL PER SPECS.

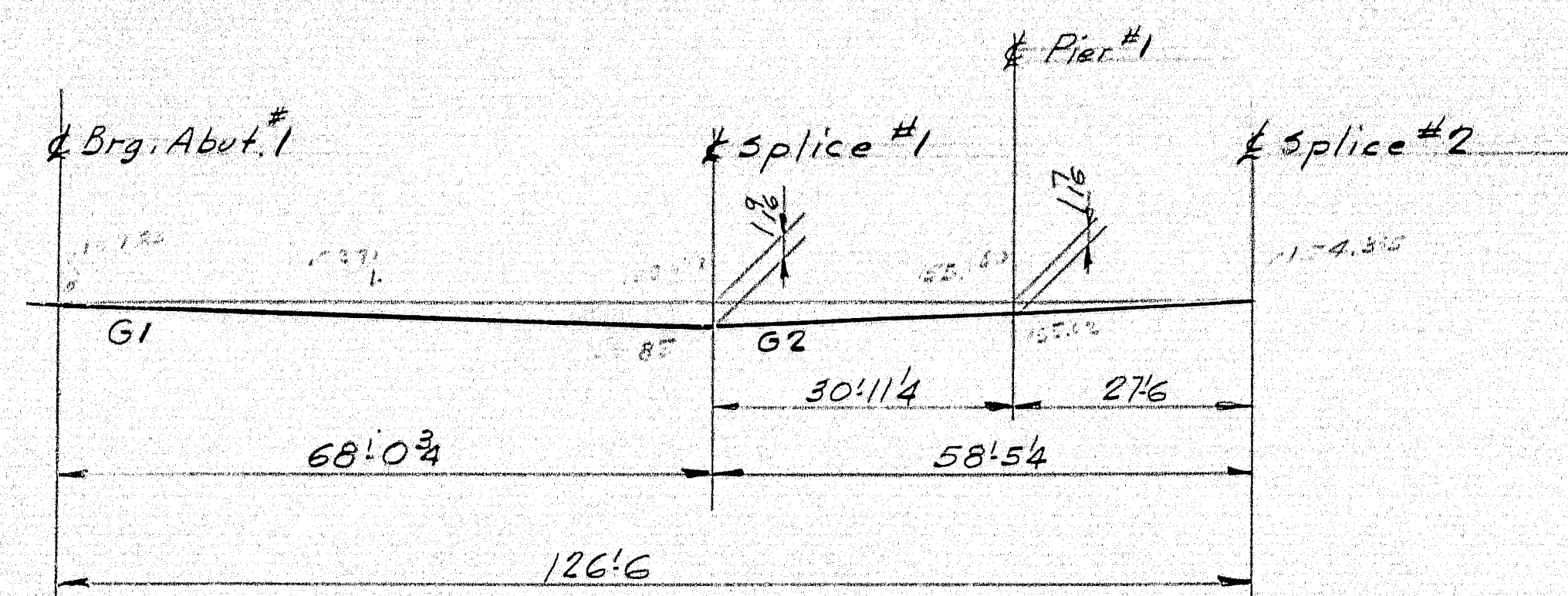
BEARING DETAILS

Barnes & Martin Rolling Mills Company
South Portland 7, Maine
BOND BROOK & MT. VERNON AVE.
BRIDGE - AUGUSTA - ME.

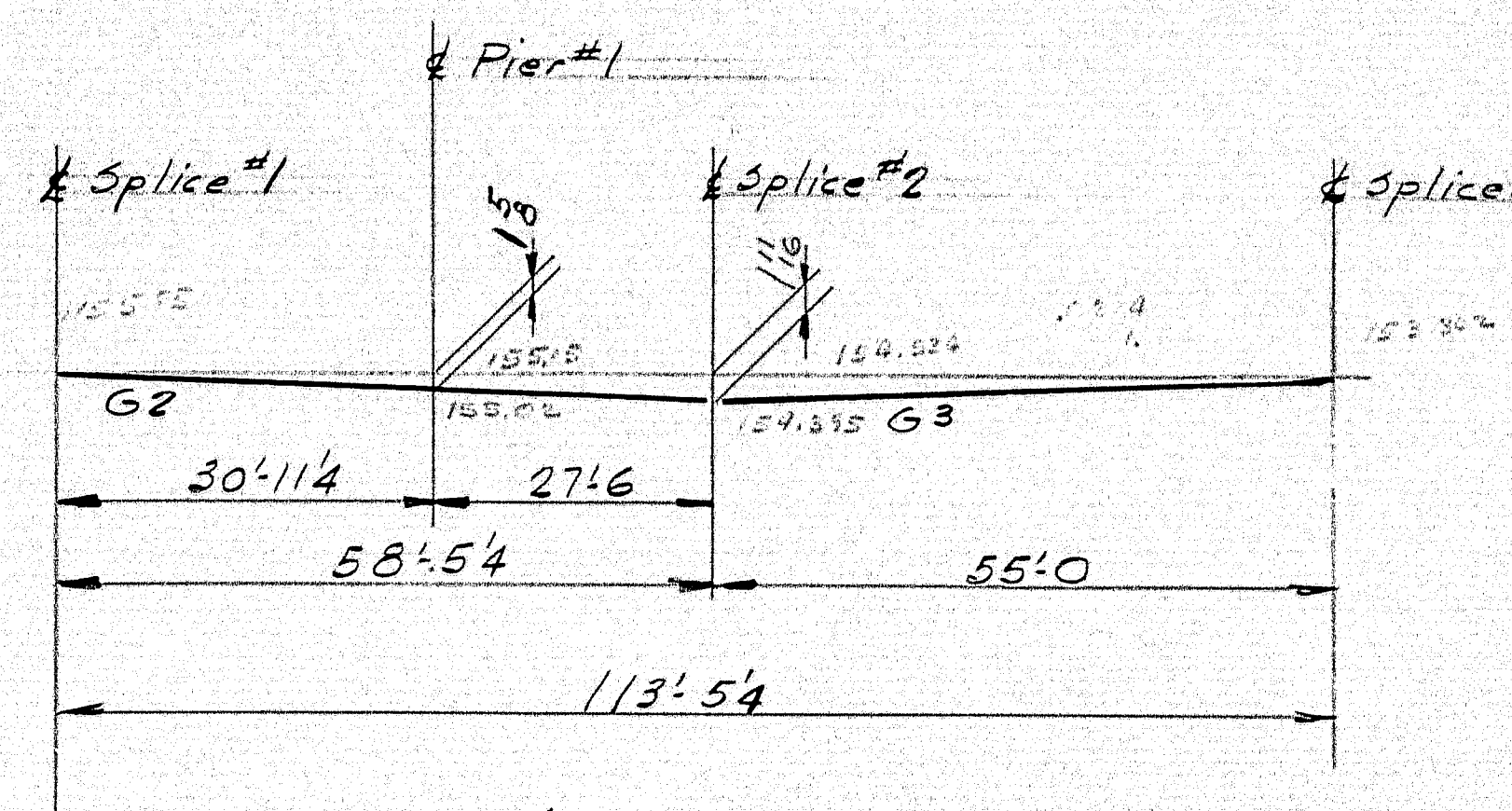
CUSTOMER: ELLIS SNODGRASS INC.
DESIGNER: ME. S.H. COMM.

ORDER NO. VERBAL DWG. NO. 8-9-51

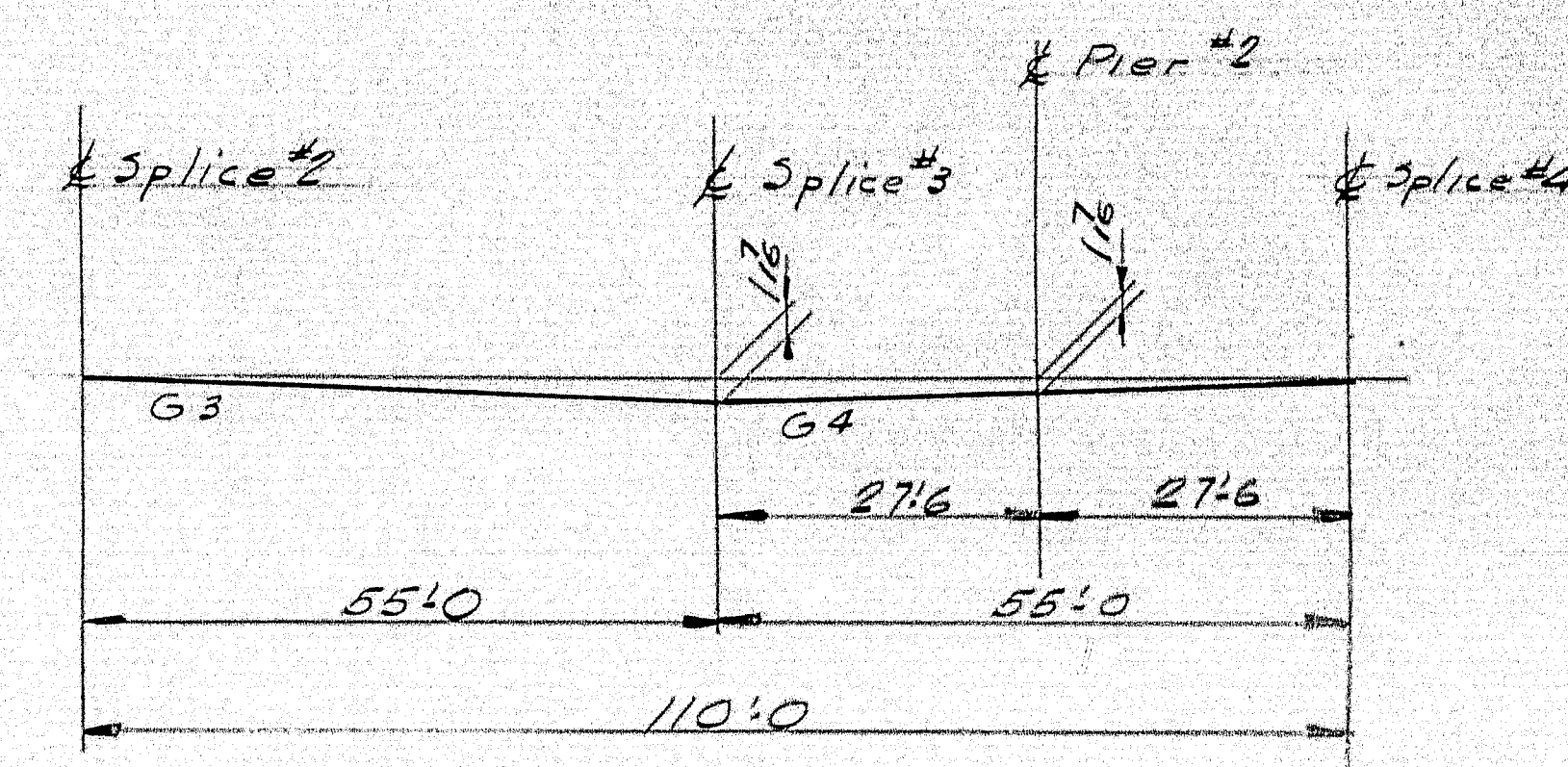
APPROVED 1-27-58



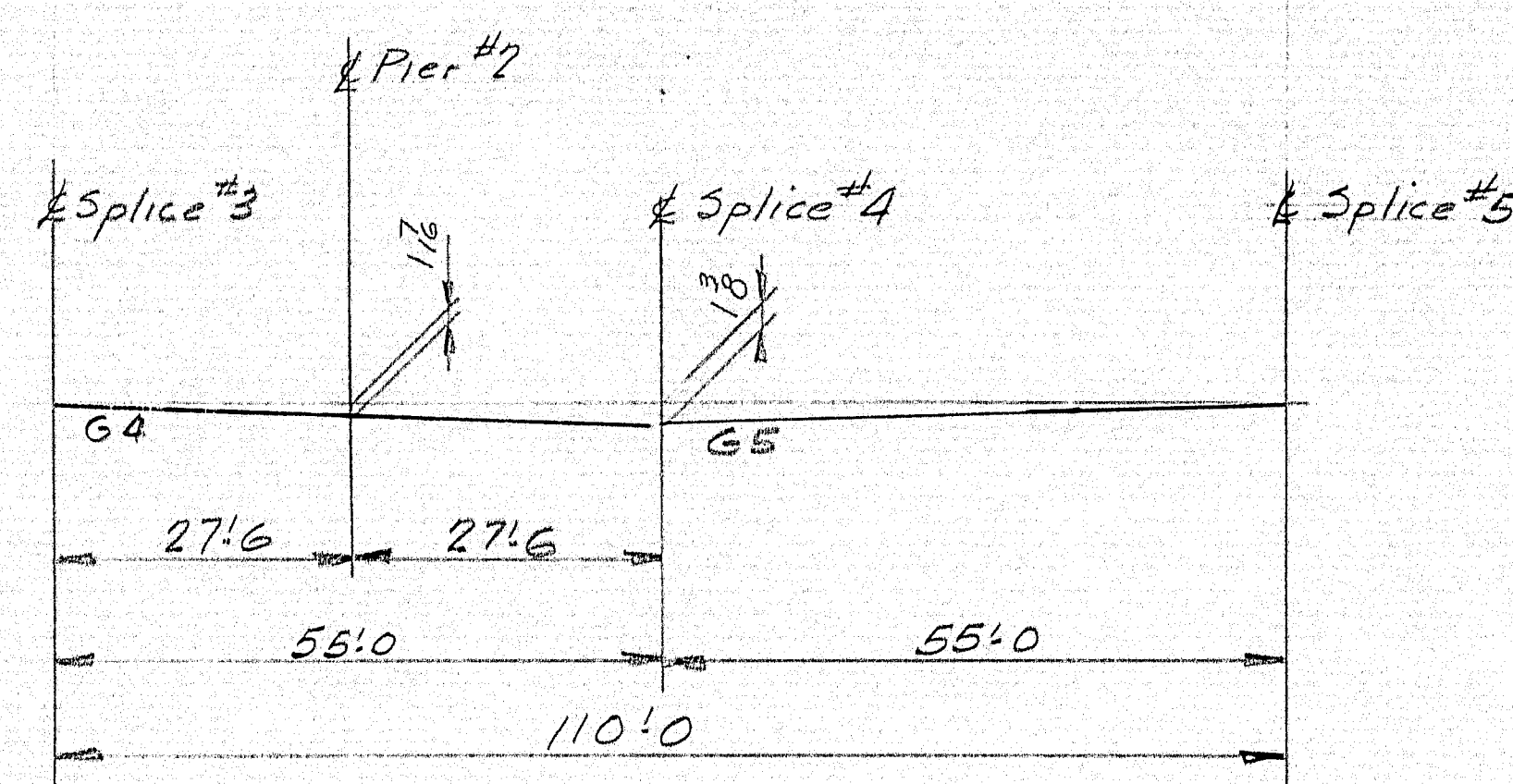
G1 & G2 SETTING



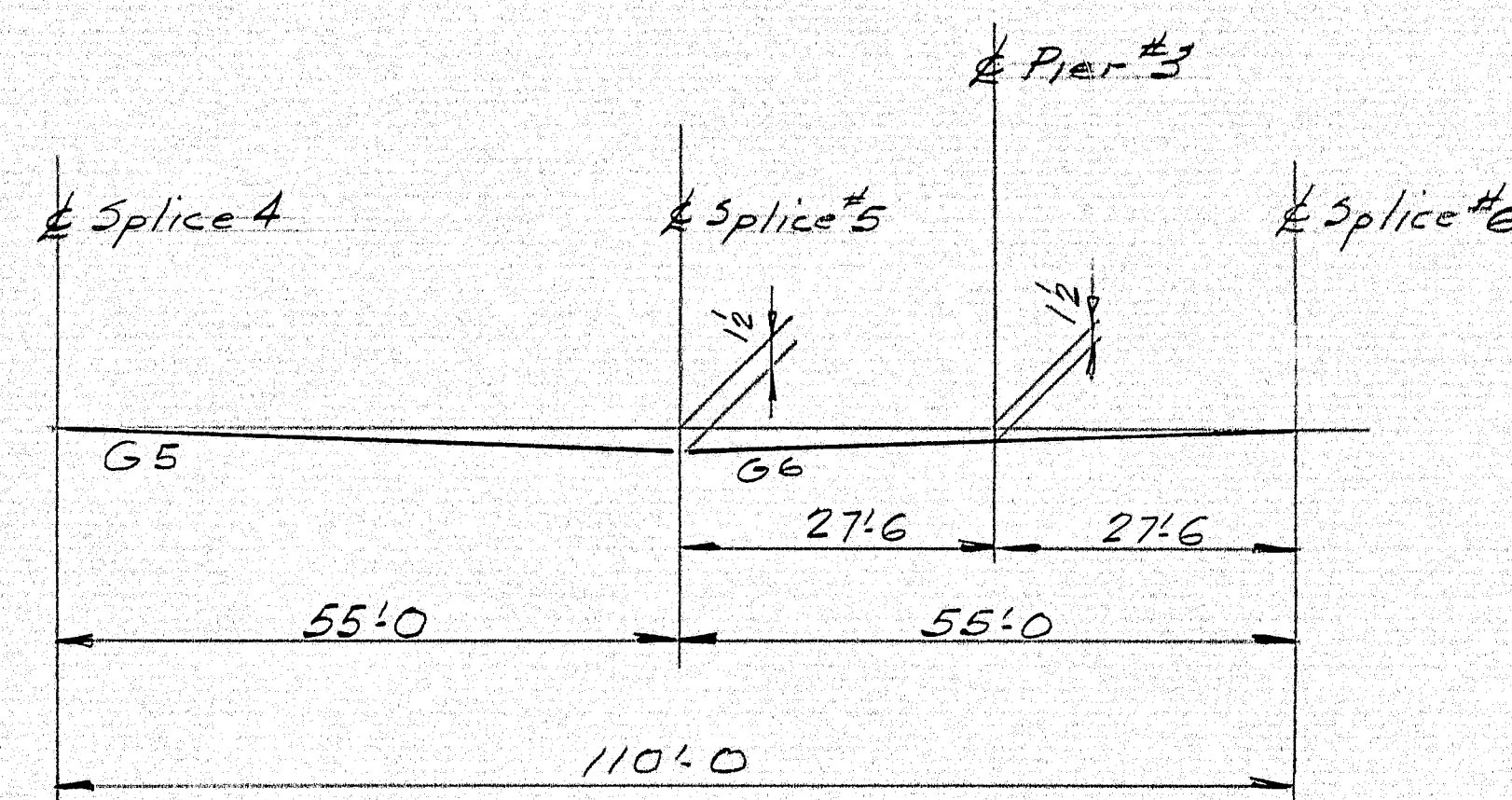
G2 & G3 SETTING



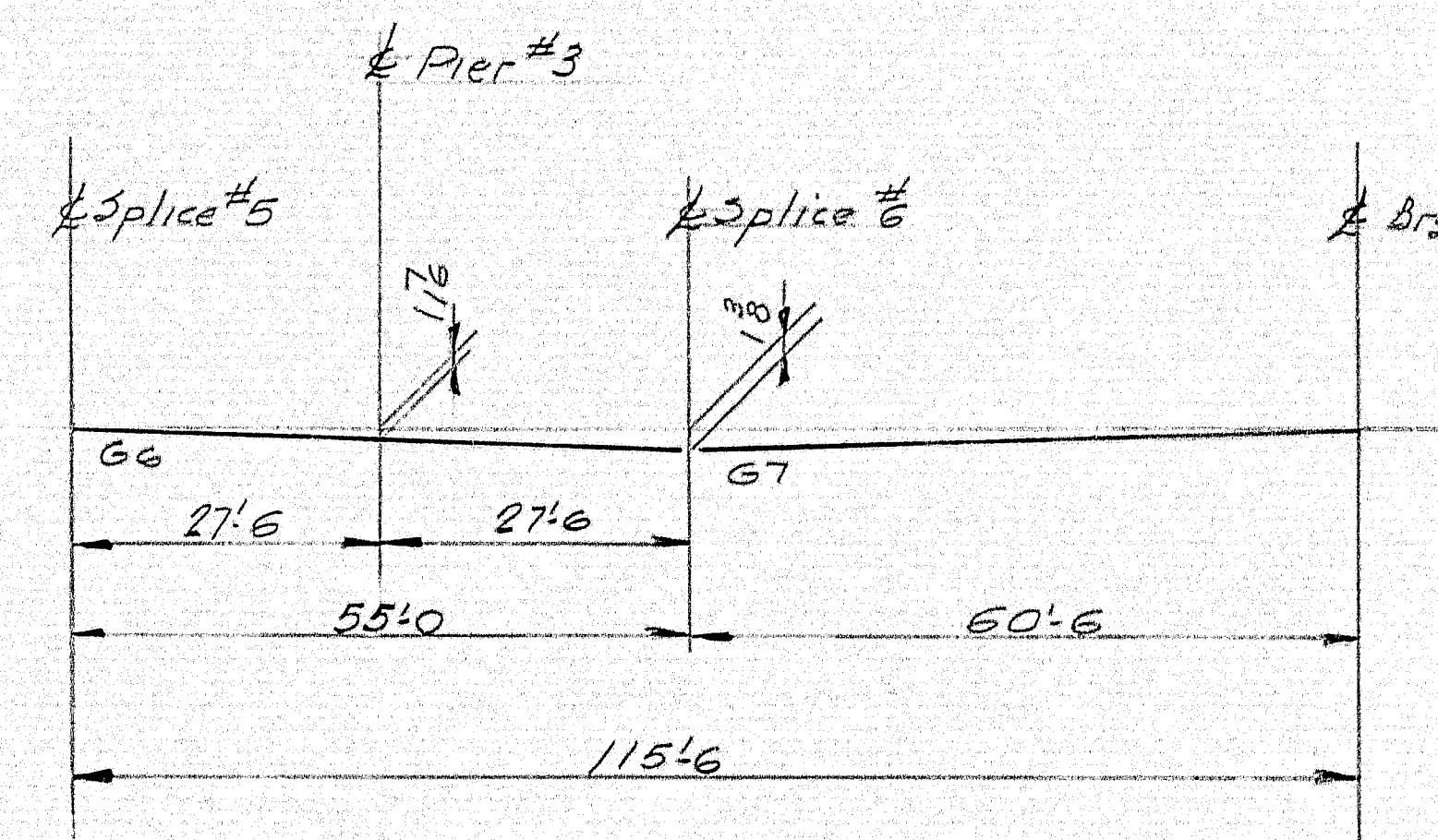
G3 & G4 SETTING



G4 & G5 SETTING



G5 & G6 SETTING

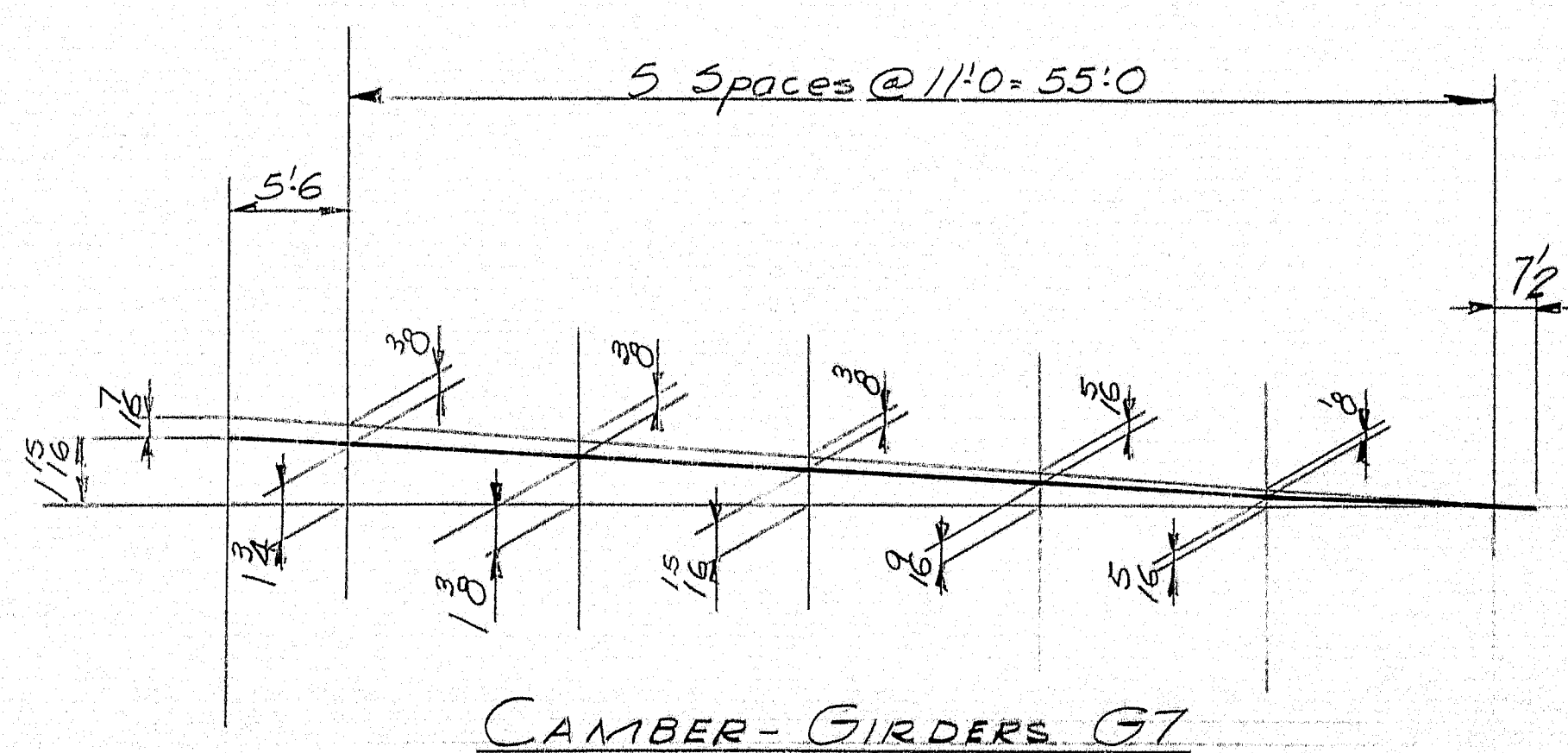
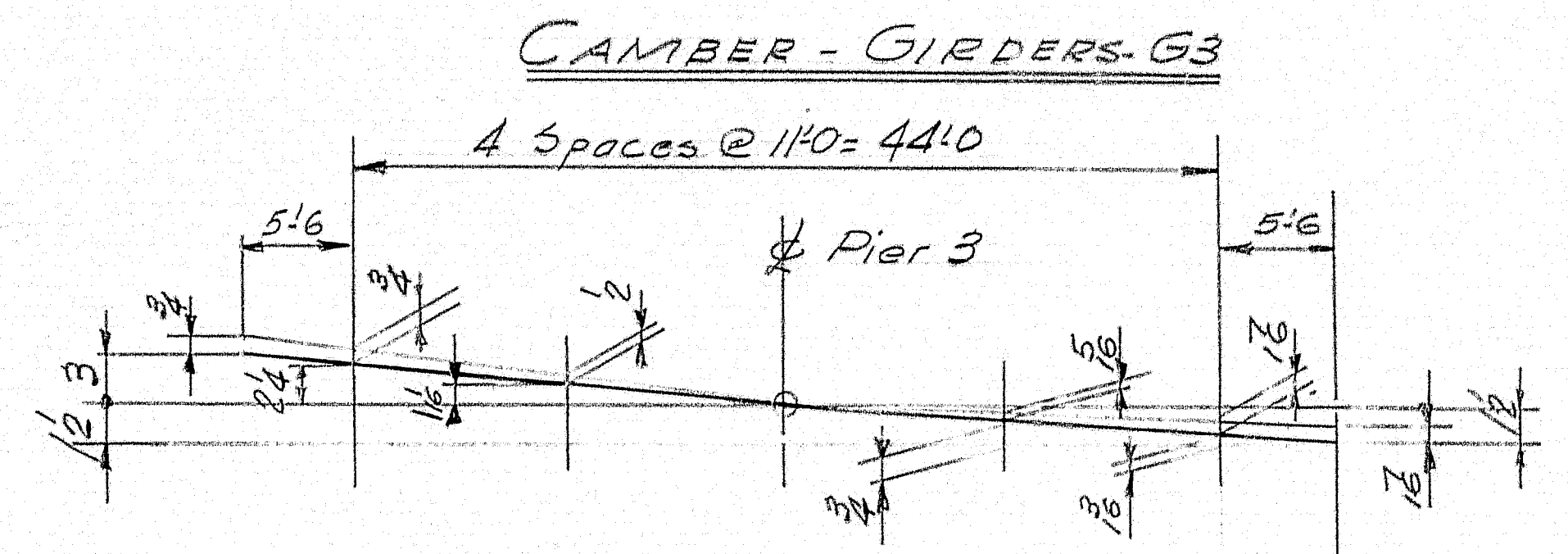
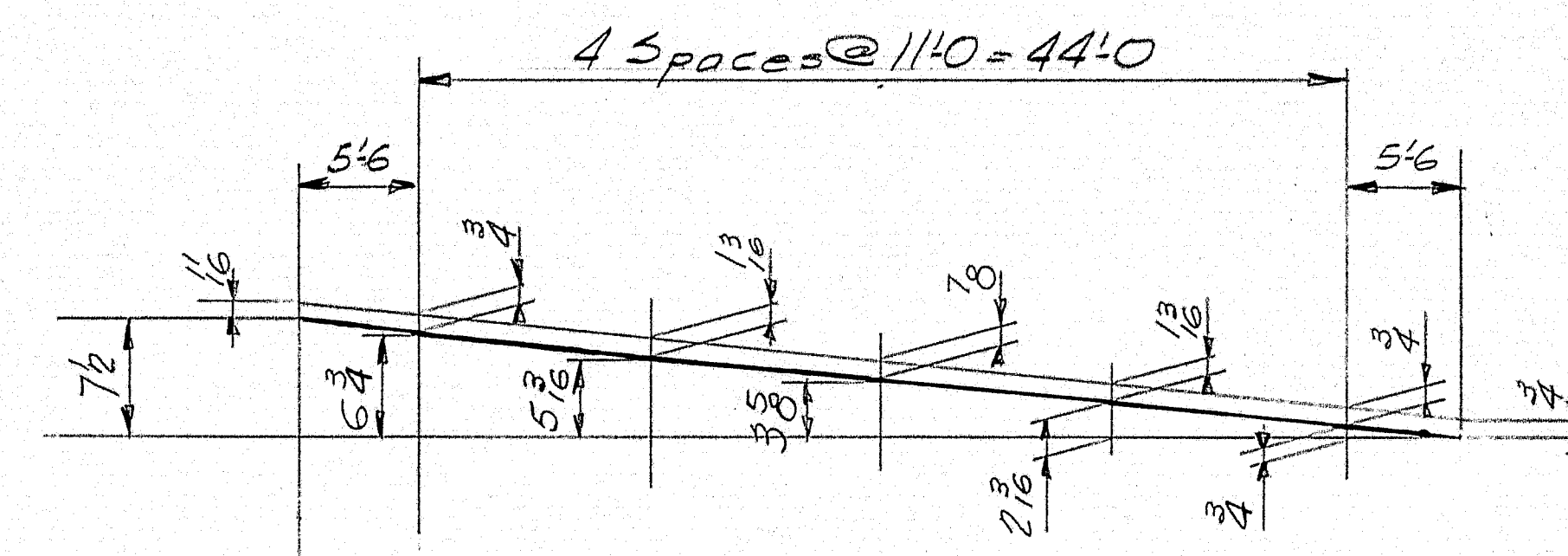
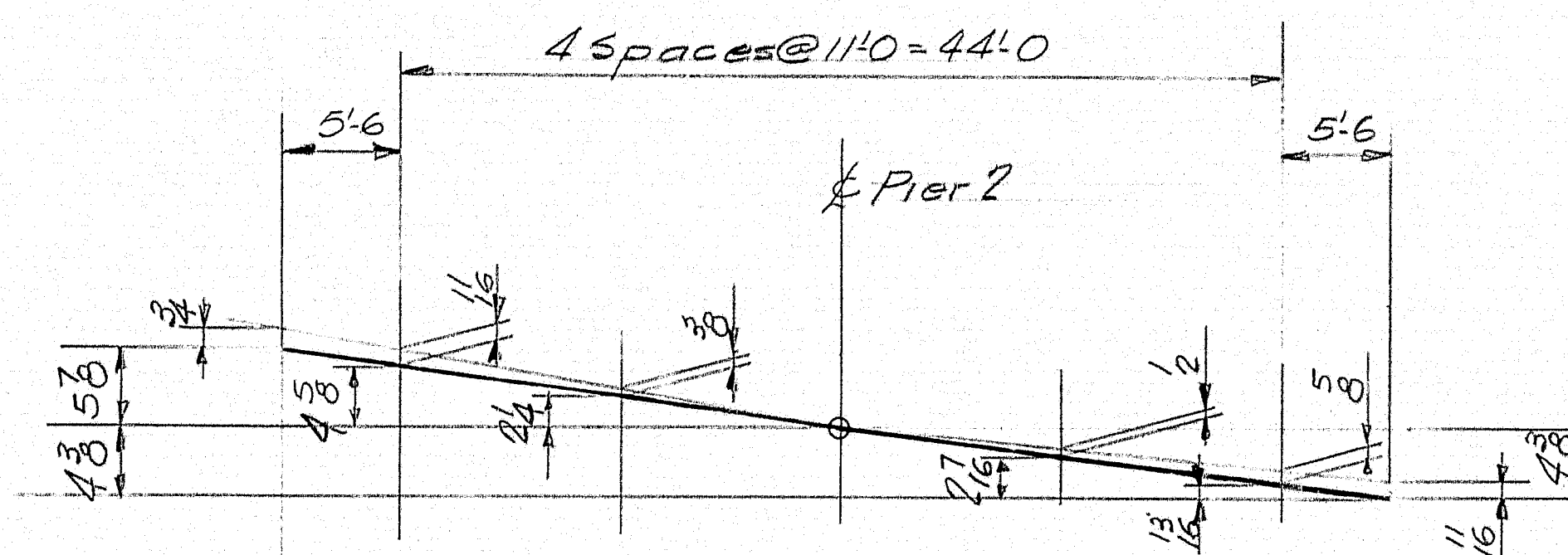
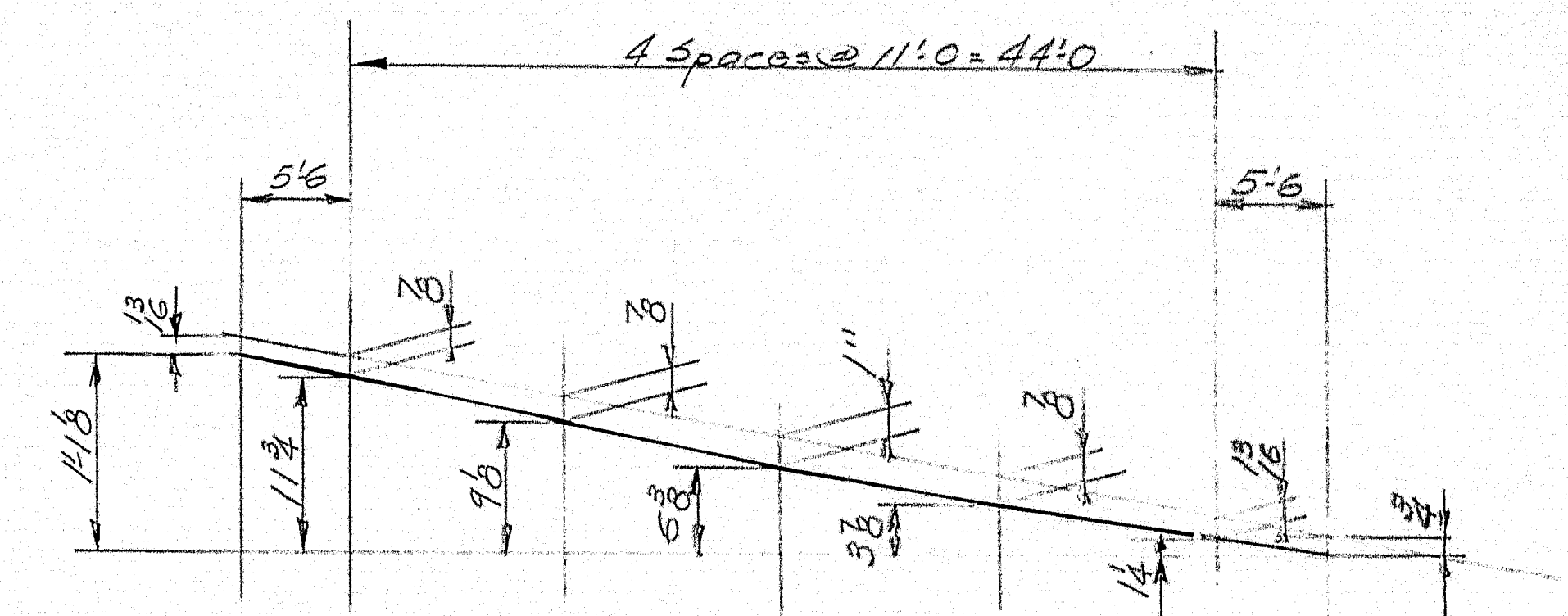
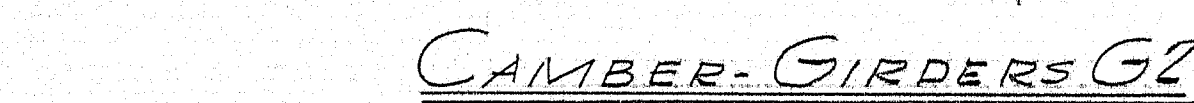
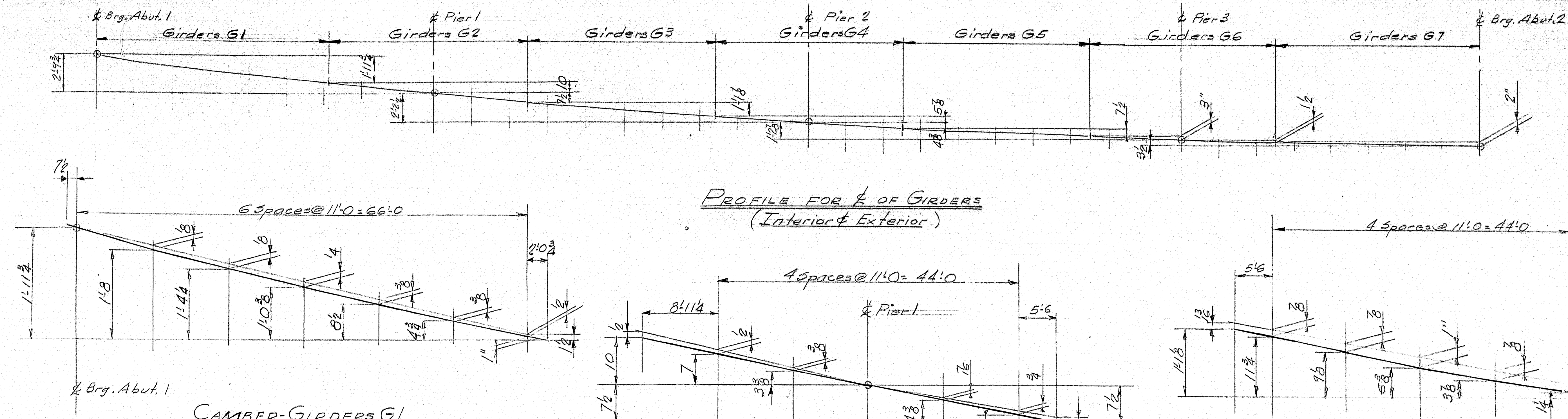


G6 & G7 SETTING

NOTES:

SPlice SETTING DIAGRAM	
Bancroft & Martin Rollins Mills Company South Portland, Maine	
BOND BROOK BRIDGE AUGUSTA, MAINE	
CUSTOMER	ELLIS SHODDERS INC.
DESIGNER	MAINE S.H.G. BRIDGE DIV.
ORDER NO.	VERBAL
DWG. NO.	B-9-P2

DRAWN	4-14-58 J.P.P.
REVISION	
REVISION	
REVISION	



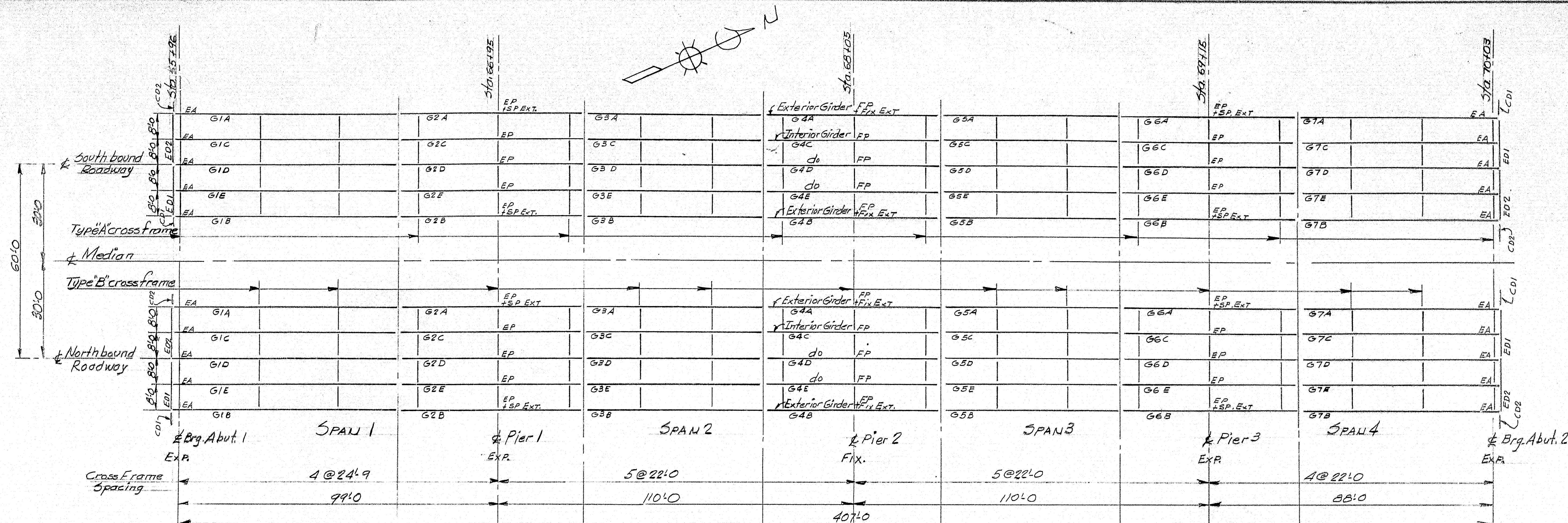
NOTES:

DRAWN	1-24-58	J.P.
REVISION		
REVISION		
REVISION		

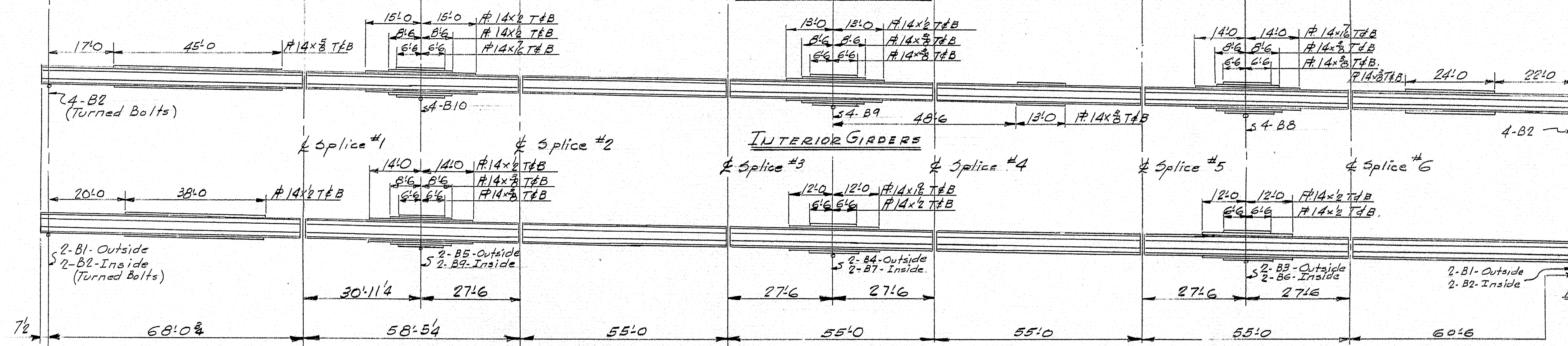
PROFILE & CAMBER DIAGRAM <i>Bancroft & Martin Potlidge Mills Company</i> <i>South Portland 1, Maine</i>
BOND BROOK BRIDGE AUGUSTA, MAINE
CUSTOMER <u>ELLIS SNOODGRASS INC.</u> DESIGNER <u>MAINE S.H.C. BRIDGEING</u>
ORDER NO. <u>VERBAL</u> DWG. NO. <u>B-9-D1</u>

App. 3-24-58

70-226



ERECTION DIAGRAM



EXTERIOR GIRDERS

Approximate weights to be marked on girders

Girders G1 - 10 tons

Girders G2, G4 & G6 - 9 tons

Girders G3 & G5 - 7 tons

Girders G7 - 8 tons

NOTE: All dimensions given on this drawing are horizontal.

NOTES:

SHOP CONN.: 8" Rivets

FIELD CONN.: 8" H.S. Bolts

PAINT: Per State of Maine Specification.

ERECTION DIAGRAM

Bancroft & Martin Rolling Mills Company

South Portland, Maine

BOND BROOK BRIDGE

AUGUSTA, MAINE

CUSTOMER: Ellis Snodgrass Inc.

DESIGNER: MAINE S.H.C. BRIDGE DIV.

ORDER NO. VERBAL

DWG. NO. B-9-E1

DRAWN: 1-21-58 J.P.F.

REVISION: 3-28-58 J.P.F.

REVISION: 6-3-58 J.P.F.

REVISION: