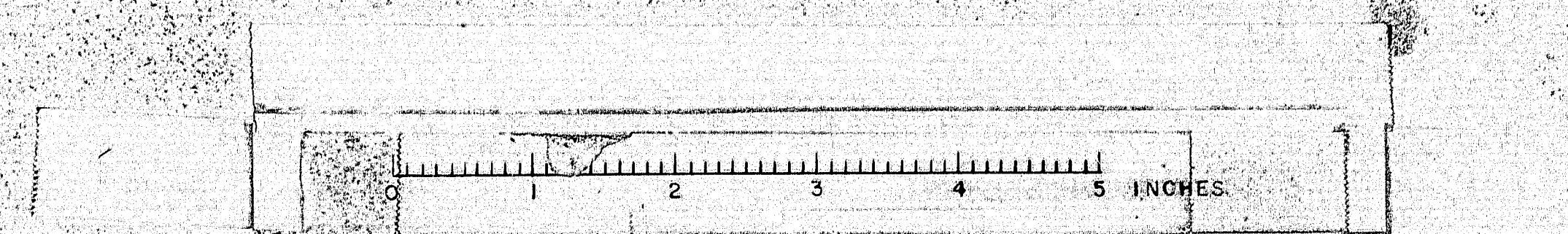


SHOP CONNECTIONS: WELD  
 FIELD CONNECTIONS: WELD  
 HOLES: 1 1/2"  $\phi$  UNLESS NOTED  
 PAINT: STATE SPECS.

APPROVED 10-12-62

FRAMING PLAN	
PRINT ISSUE	Bancroft & Martin Rolling Mills Company Brewer, Maine
5 ERECT 10-18-62	RT. 100 BRIDGE OVER INTER. #95
8 SHOP 10-18-62	PALMYRA-NEWPORT, MAINE.
2 F.A. 10-10-62	CUSTOMER REED & REED
DRAWN 9-28-62 E.M.	DESIGNER STATE HIGHWAY COMM.
REVISION	ORDER VERBAL
REVISION	DWG. B62-237-E1

92-190

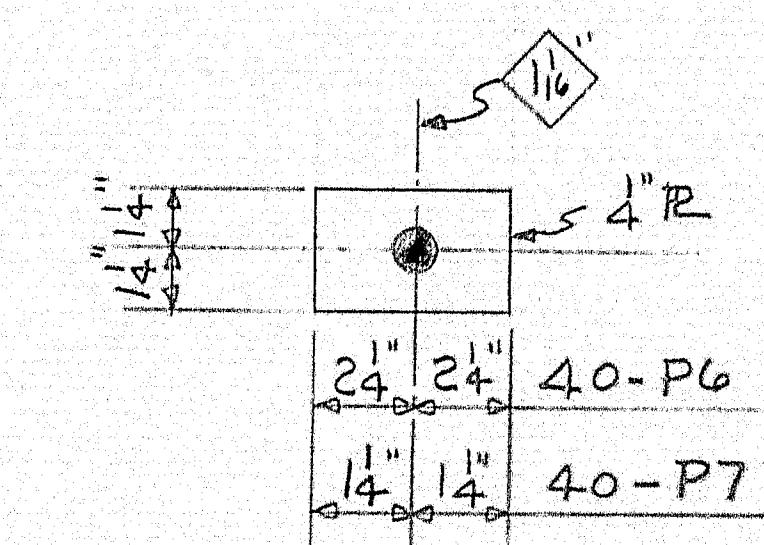
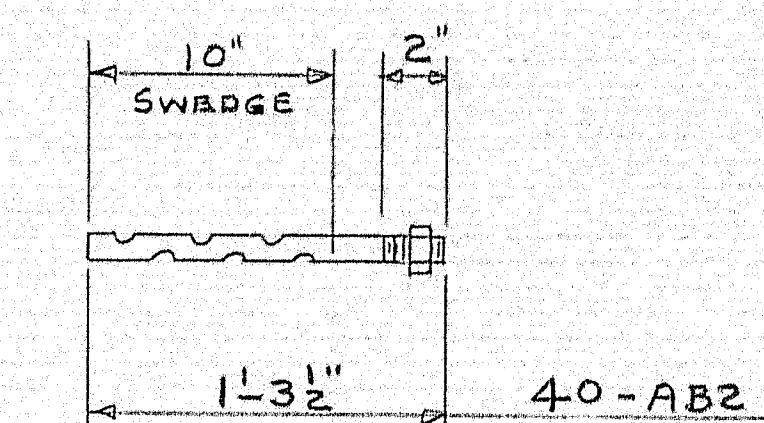
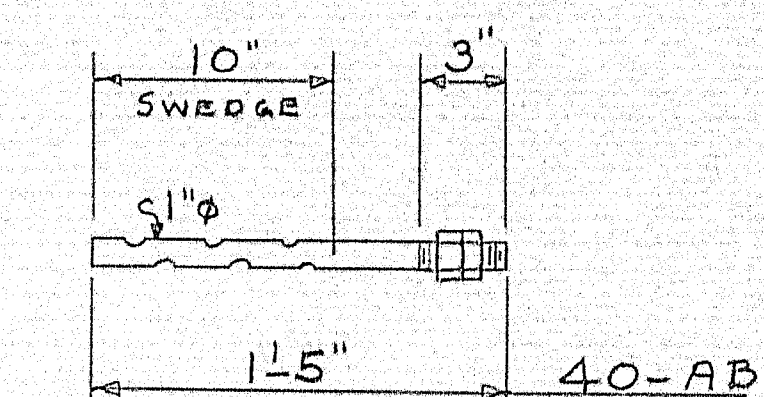




SHIP		BILL OF MATERIAL			DWG. B61-237-51	
MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
P1	20		R-7x2	0 9½		REQ # 1957
P2	20		R-5x2	0 9½		
P3	20		R-9x1¼	1 8		
P4	20		D <sub>o</sub>	1 8		
P5	20		R-8x2	1 8		
	40	f1	BAR ½ x 4	0 9		
	40	f2	D <sub>o</sub>	0 5		
	80		1" R.O.D	0 1½		PINTLES
AB1	40		D <sub>o</sub>	1 5		
AB2	40		D <sub>o</sub>	1 3½		
	120		1" NUTS			
P6	40		R-2½x4	0 4½		
P7	40		D <sub>o</sub>	0 2½		
P8	20		R-6x½	0 10		BRONZE SALP LUB. R1869

SCALE WT.

STRUCT. STEEL IS ITEM 702-103  
BRONZE R IS ITEM 703-9



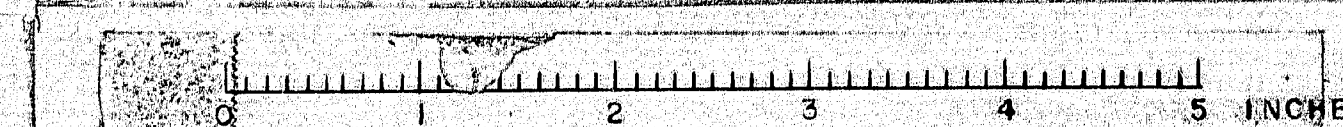
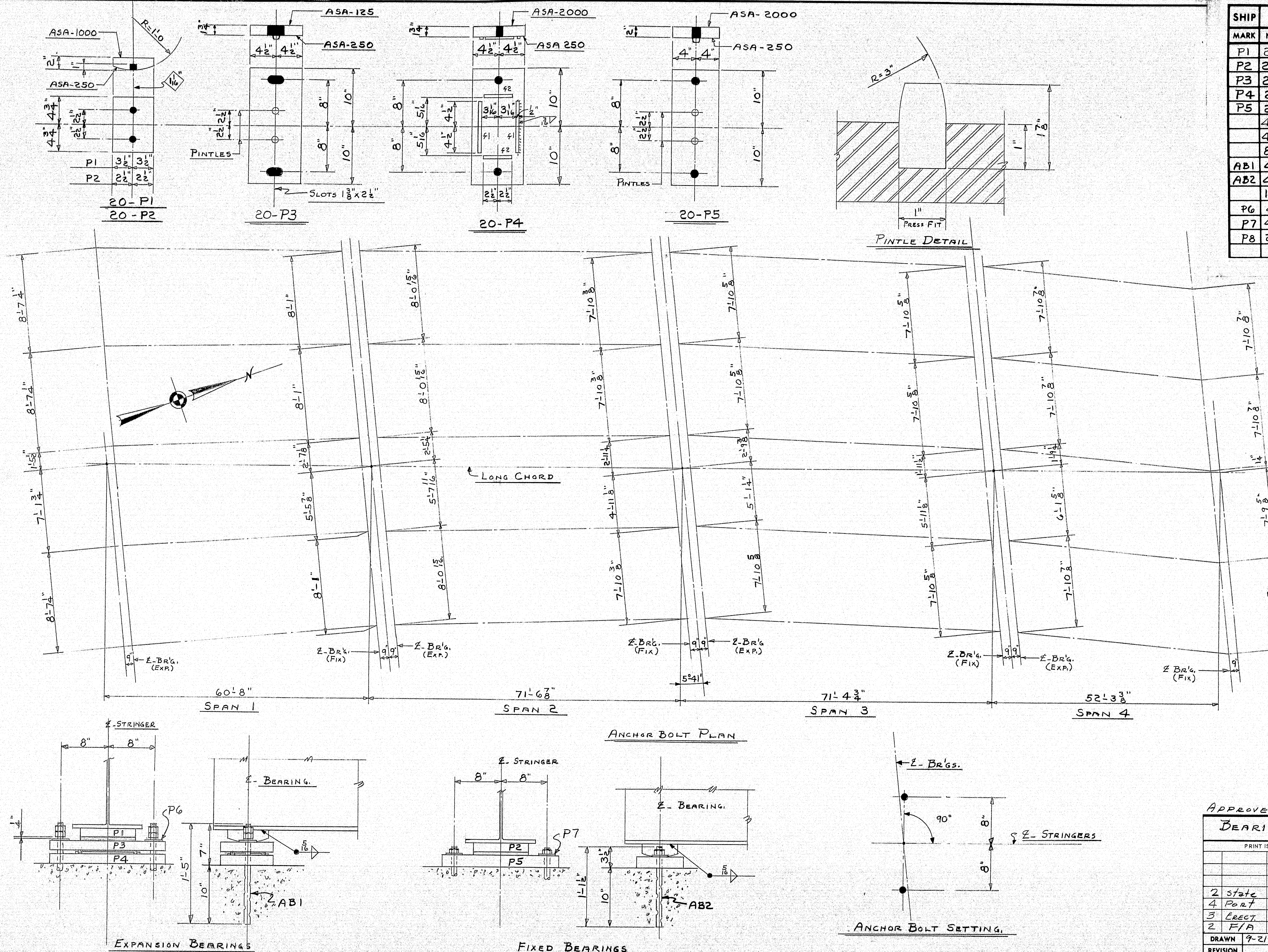
SHOP CONNECTIONS: WELD  
FIELD CONNECTIONS: WELD  
HOLES: 1/8" UNLESS NOTED  
PAINT: RED LEAD - ALL SURFACES.

APPROVED 9-26-62

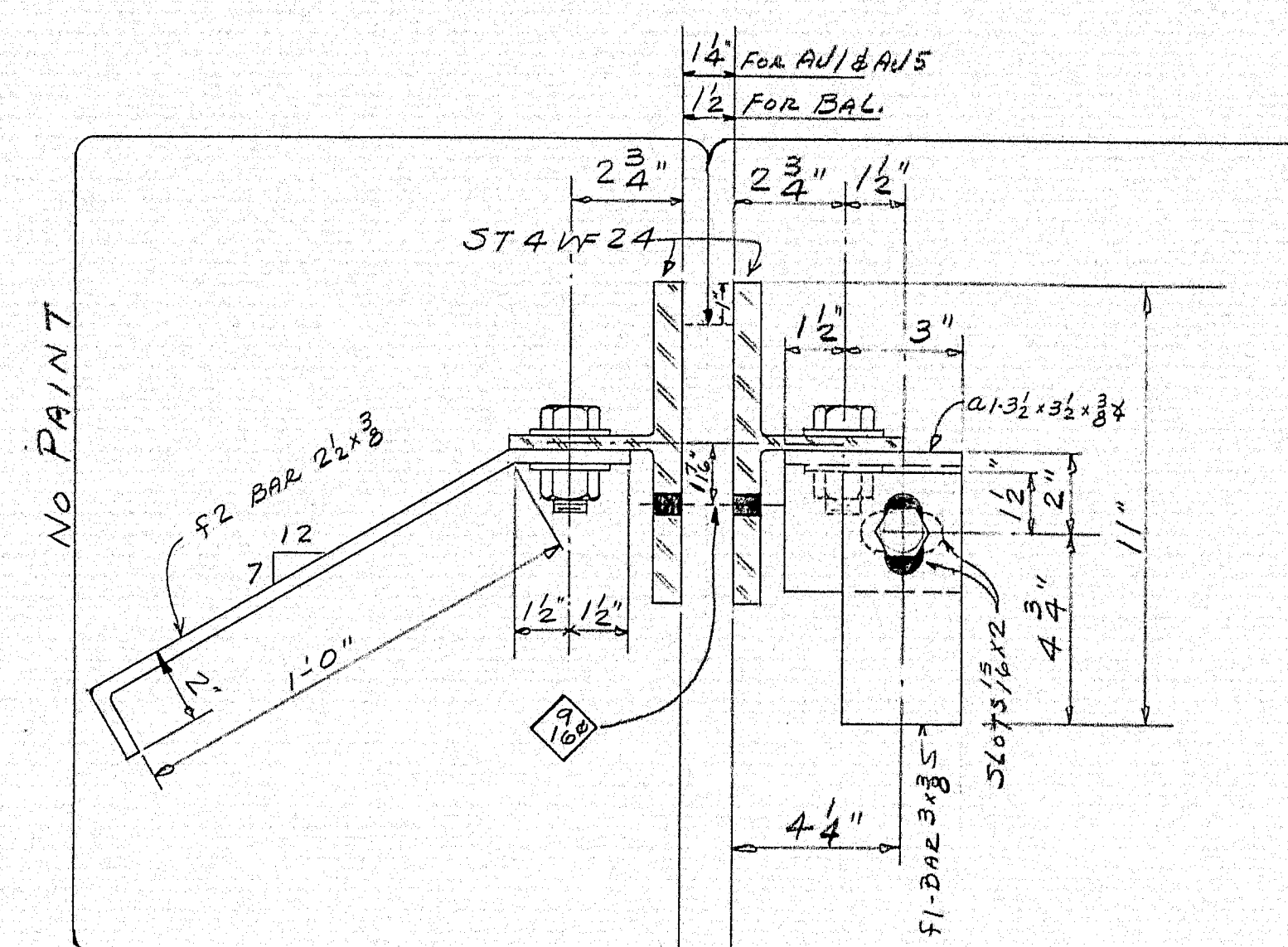
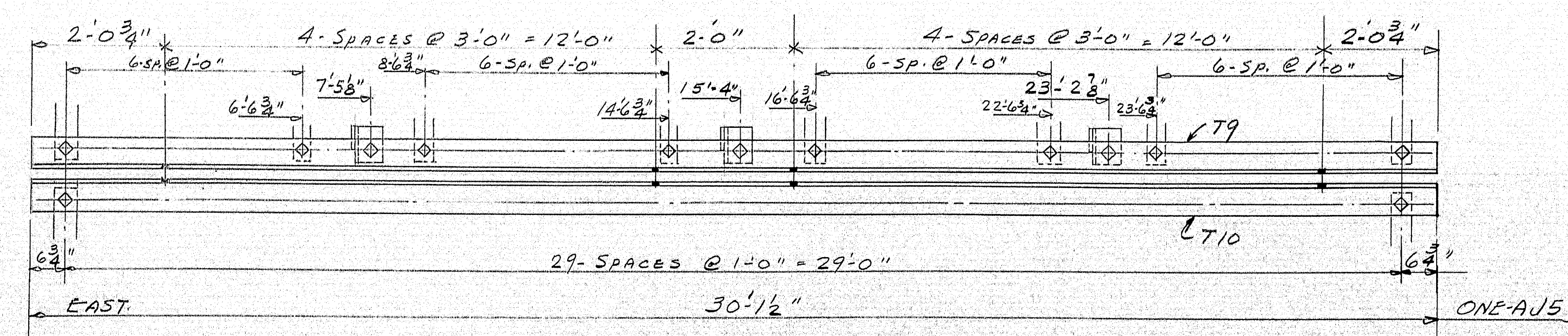
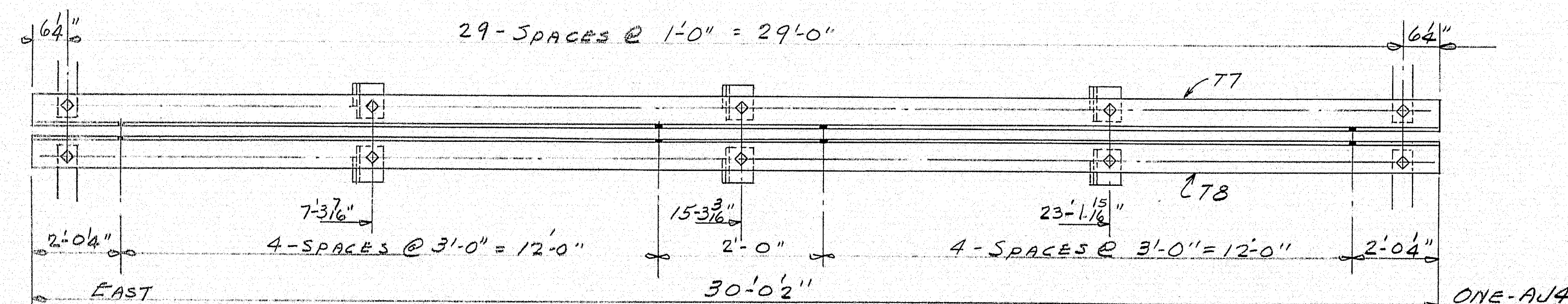
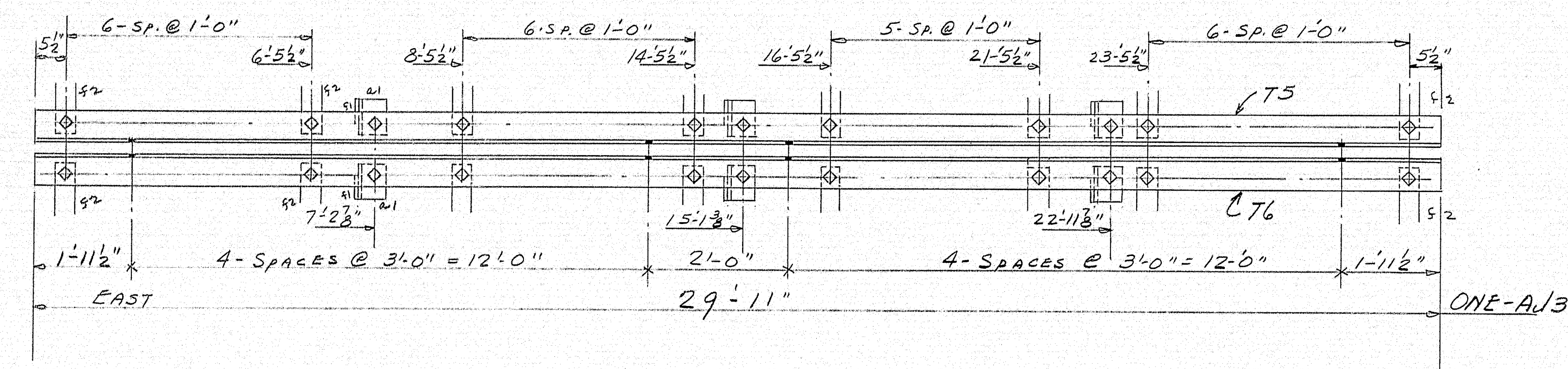
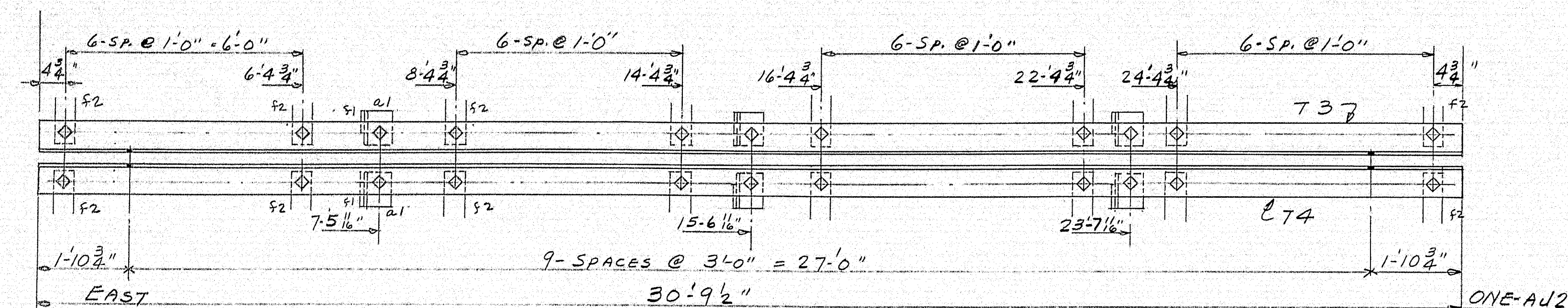
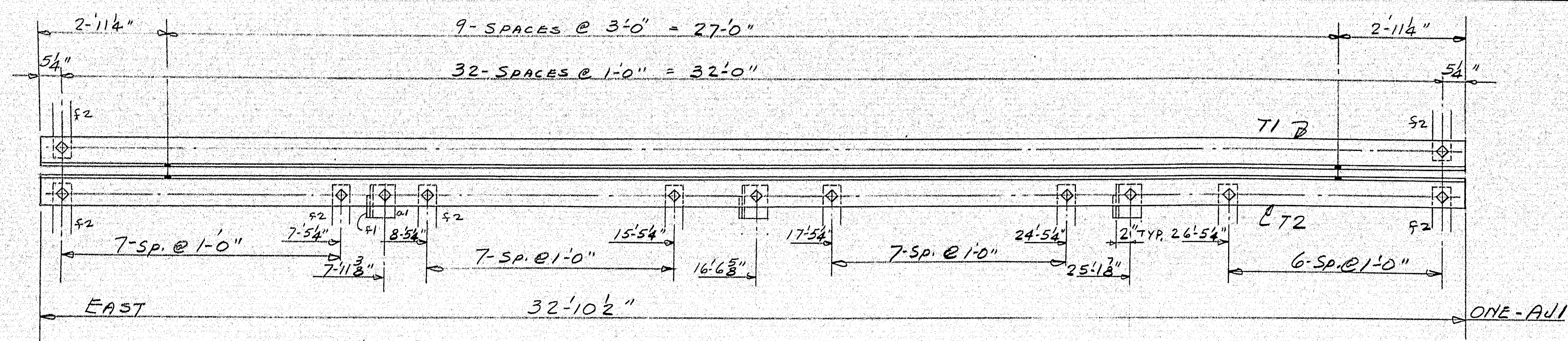
BEARING PLATES & ANCHOR BOLTS

PRINT ISSUE		Bancroft & Martin Rolling Mills Company	
		Brewer, Maine	
2	State	10-18-62	Rte. 100 BRIDGE OVER INTER. #95
4	Port	10-2-62	PALMYRA-NEWPORT, MAINE
3	Elect	10-2-62	
2	F/A	9-29-62	
DRAWN	9-21-62 DC	CUSTOMER REED & REED	
REVISION		DESIGNER STATE HIGHWAY COMMISSION	
REVISION		ORDER VERBAL	
REVISION		DWG. B62-237-51	

92-191







SHIP		BILL OF MATERIAL				DWG. 262-237-52		
MARK	NO.	MARK	SHAPE	LENGTH	WT.	DEPTH	REMARKS	
AJ1	1		ARMORED	60 1/2				
AJ2	1		DO					
AJ3	1		DO					
AJ4	1		DO					
AJ5	1		DO					
	1	71	STAINLESS	32 10 1/2		1/2		
	1	72	DO	32 10 1/2		1/2		
	1	73	DO	30 9 1/2		1/2		
	1	74	DO	30 9 1/2		1/2		
	1	75	DO	29 11		1/2		
	1	76	DO	29 11		1/2		
	1	77	DO	30 0 1/2		1/2		
	1	78	DO	30 0 1/2		1/2		
	1	79	DO	30 1 1/2		1/2		
	1	710	DO	30 1 1/2		1/2		
	24	A1	3 1/2 x 3 1/2 x 3/8	0 4 1/2		1 1/2		
	24	F1	BAR 3 x 3/8	0 6 1/4		1 1/2		
	292	F2	BAR 2 1/2 x 3/8	1 5				
	342	SHOP	3 H.S. BOLTS	0 2 1/4		36 #100		
	684	DO	2 H.S. WASHERS					

SHOP CONNECTIONS: 7/8" H S. BOLTS.  
FIELD CONNECTIONS:  
HOLES: 1 5/16" UNLESS NOTED  
PAINT: STATE SPECS.

FIELD CONNECTIONS:  
HOLES: 15" UNLESS NOTED  
PAINT: STATE SPECS.

HOLES: 15" / 16" UNLESS NOTED  
PAINT: STATE SPECS.

PAINT: STATE SPECS

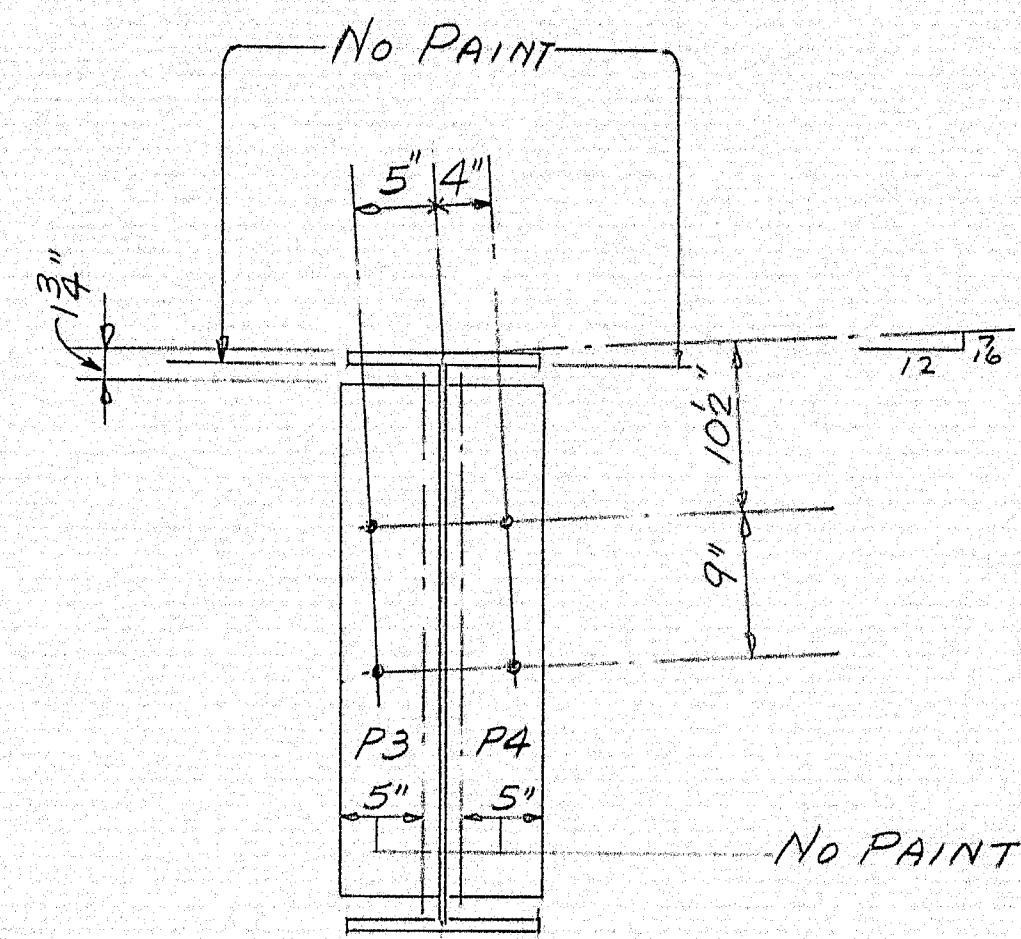
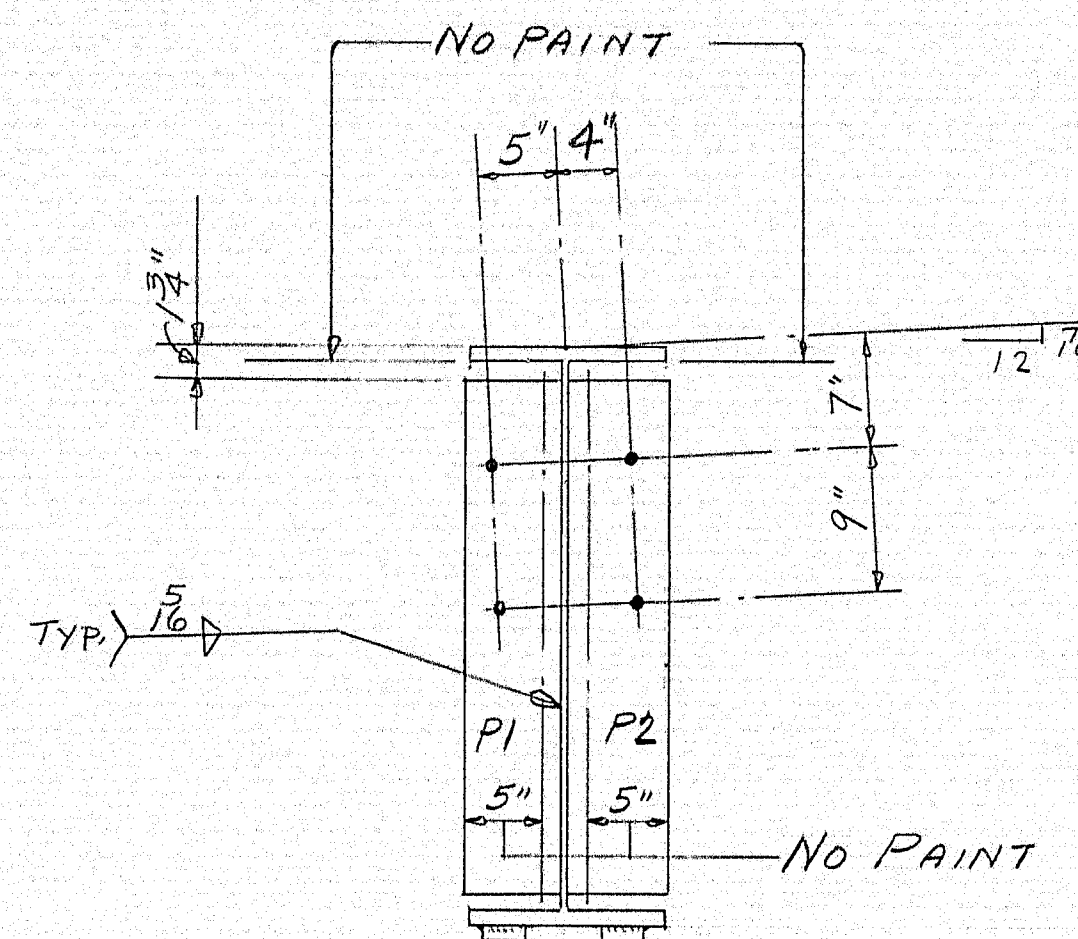
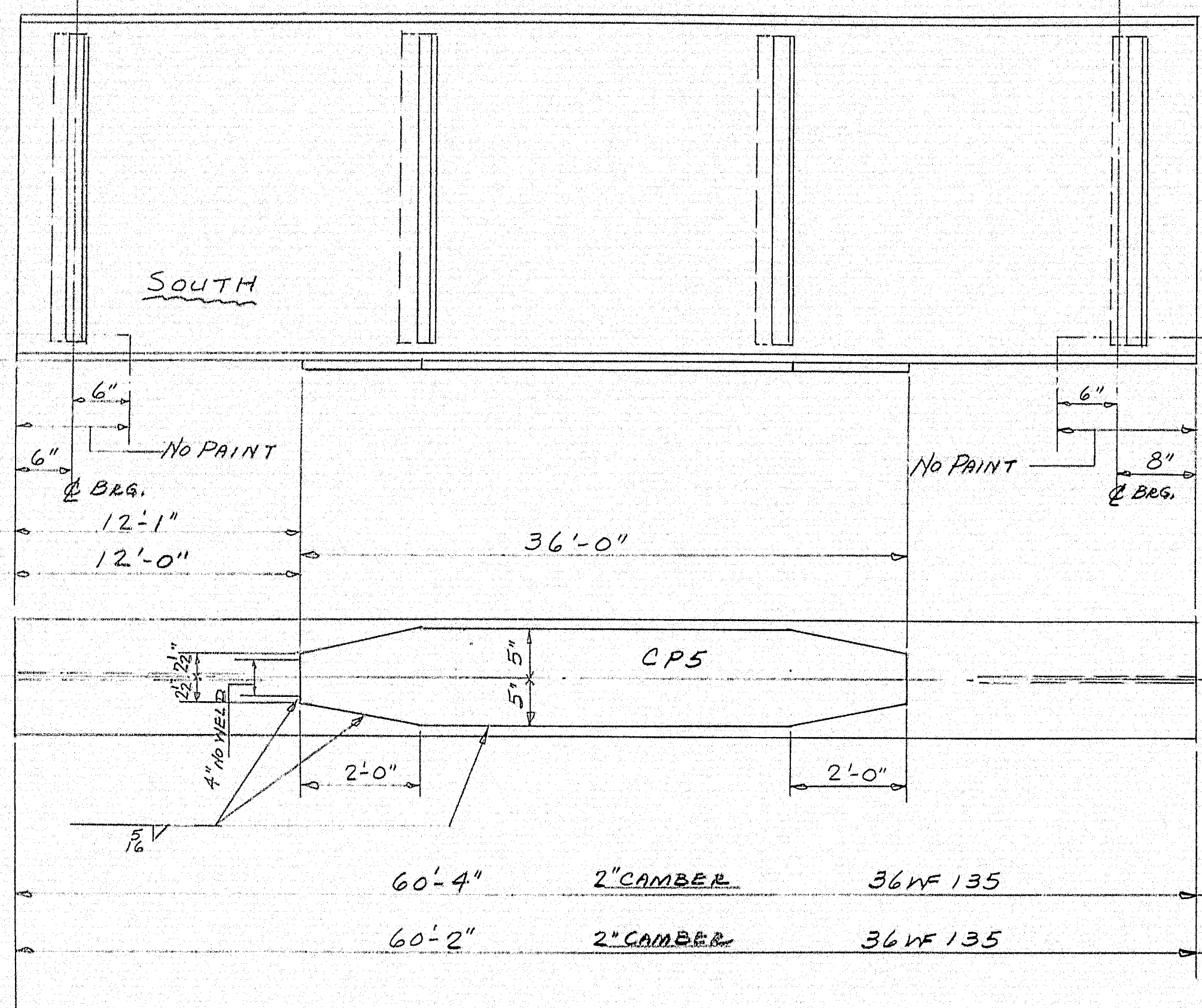
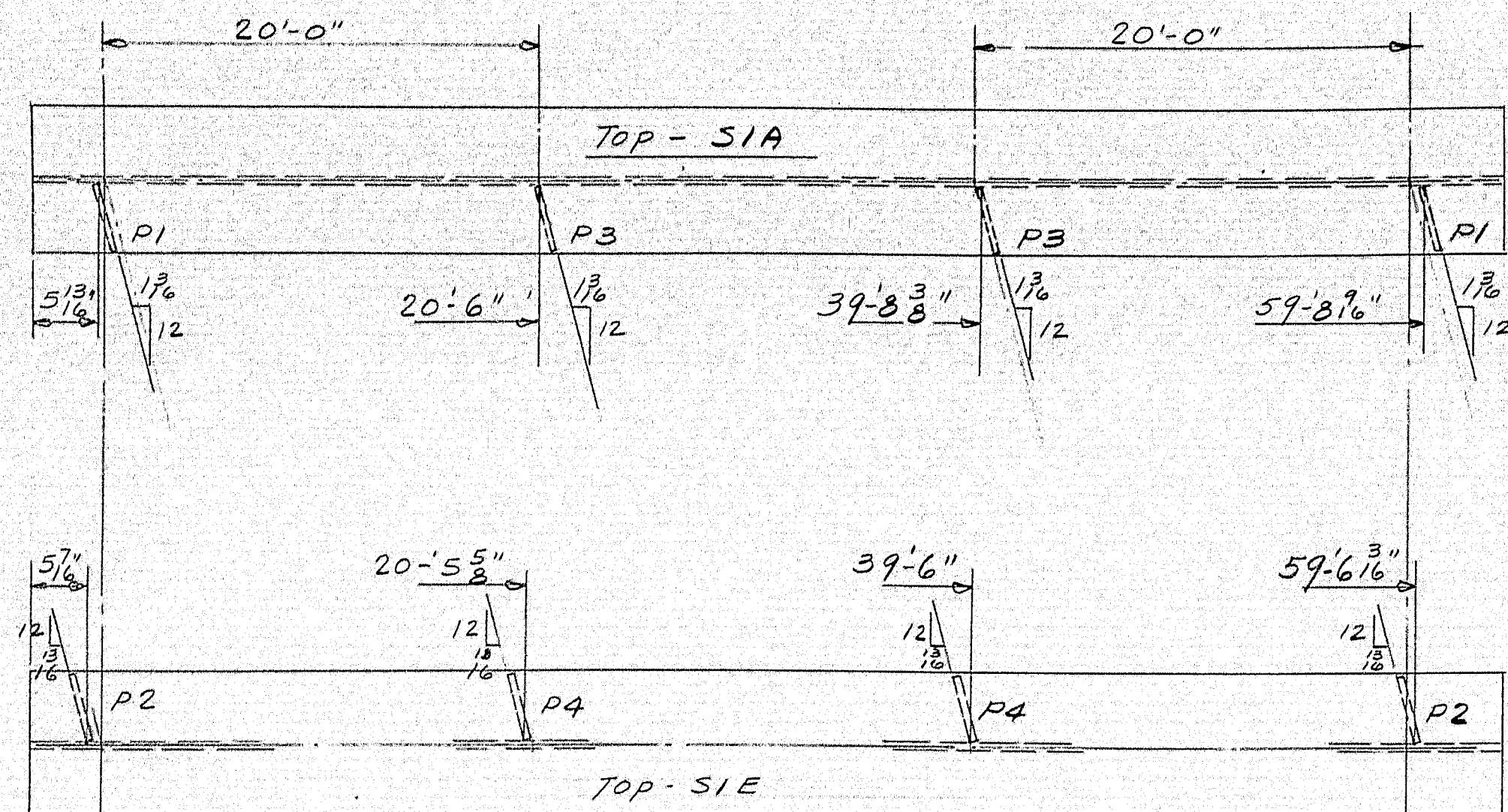
APPROVED EXCEPT AS NOTED 10-11-62

## ARMORED JOINTS.

PRINT ISSUE		<i>Boncompagni &amp; Martin Pottinger Mills Company</i> <i>Brewer, Maine</i>	
5	ECBCT	10-18-62	RTE: 100 BRIDGE OVER INTER. #95 PALMYRA - NEWPORT MAINE
5	SHOP	10-16-62	
2	SHOP	10-11-62	
2	F.A.	10-10-62	
DRAWN	10-4-62	E.M.	CUSTOMER <i>REED &amp; REED</i>
REVISION	10-16-62	E.M.	DESIGNER <i>STATE HIGHWAY COMM.</i>
REVISION			ORDER <i>VERBAL</i> DWG. <i>B62-237-SZ</i>
REVISION			

92-192





SHIP		BILL OF MATERIAL					DWG. B62-237-S3	
MARK	NO.	MARK	SHAPE	LENGTH	WT.	DEDUCT	REMARKS	
S1A	1		36WF135	60' 4"			2" CAMBER	A36
S1E	1		DO	60' 2"			DO	
	2	CP5	12x10x3/8	36' 0"		42.5#		
	2	P1	12x6x3/8	2' 8"				A7
	2	P2	DO	2' 8"				
	2	P3	DO	2' 8"				
	2	P4	DO	2' 8"				
	1		5/8 WELD	187' 0"			2.1166 #/FT.	
FIELD	134		3/4" PH. BOLT	0' 2"				
DO	134		DO	0' 1 3/4"				NOT INCL. IN PAY WT.
	8022	SHOP	3/4" WELD	4' 57 1/2"	0' 5"			TOTAL FOR JOBS.

STRUCTURAL STEEL IS ITEM 702-103

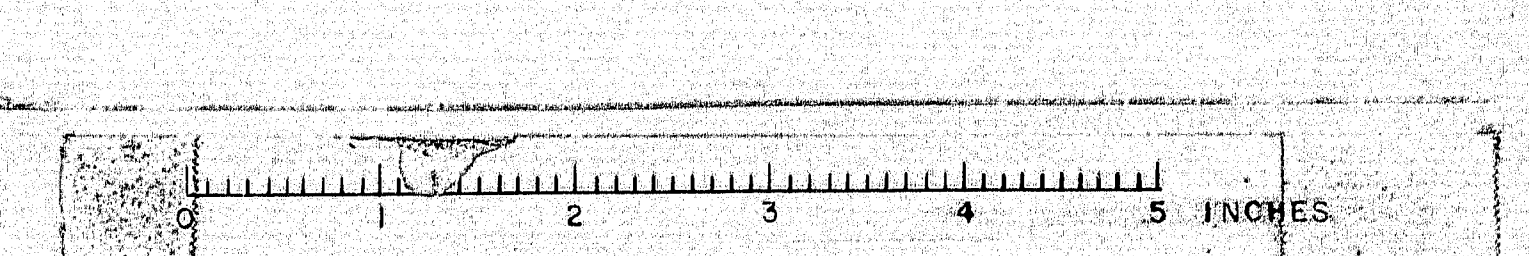
SEE DWG. # 59 FOR STUD LOCATION

SHOP CONNECTIONS: WELD  
FIELD CONNECTIONS: DO  
HOLES: 1/8" φ  
PAINT: STATE SPECS.

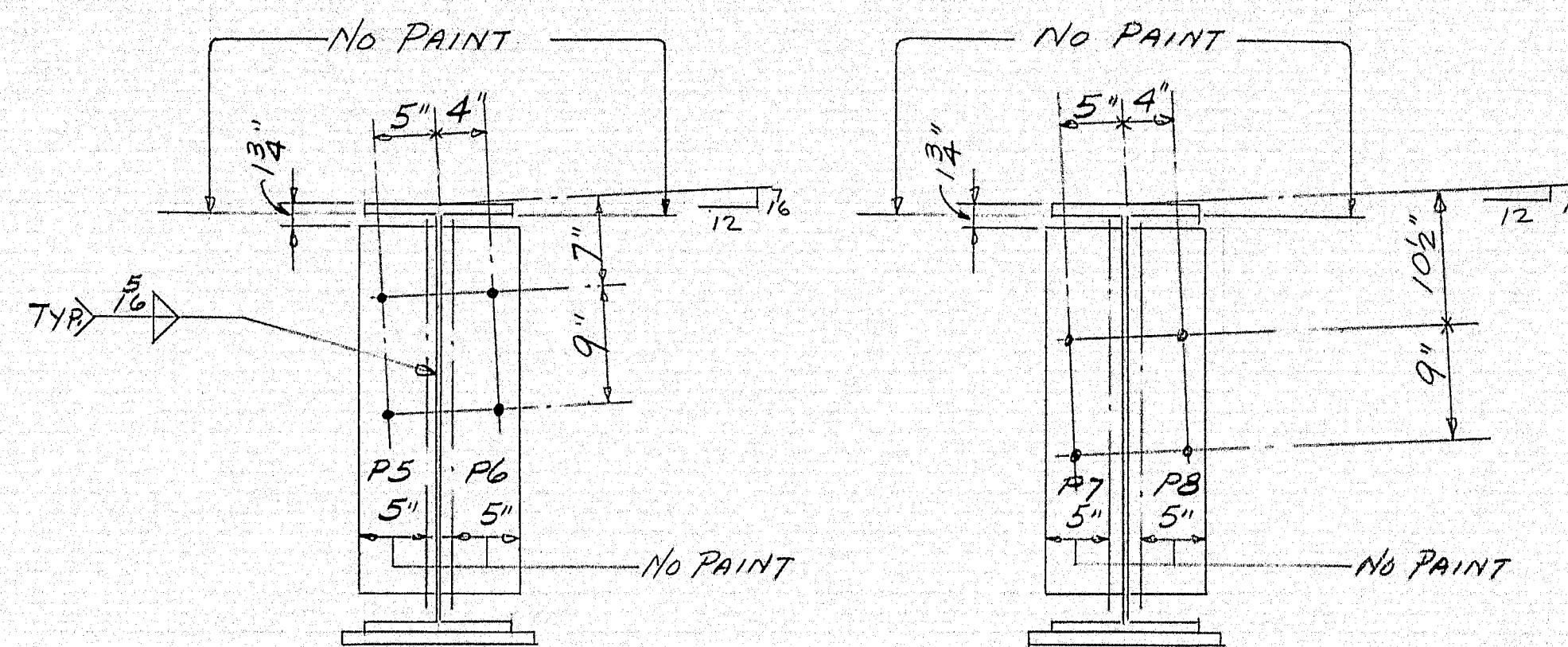
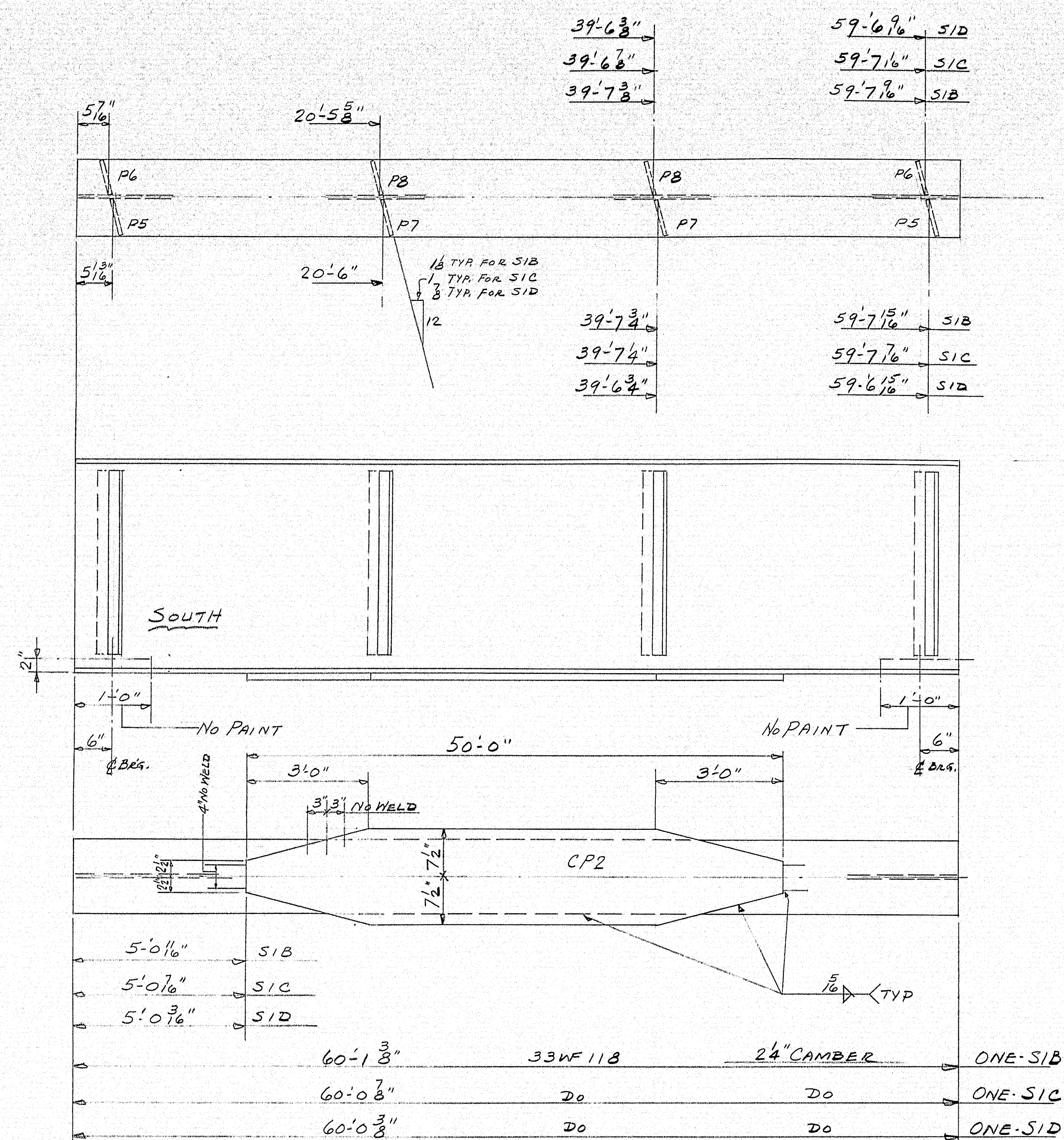
APPROVED 10-12-62

S1- STRINGERS			
PRINT ISSUE		Bancroft & Martin Rolling Mills Company	
		Brewer, Maine	
5 ERECT. 10-18-62		RTE. 100 BRIDGE OVER INTERSTATE #95	
5 SHOP 10-18-62		PALMYRA-NEWPORT MAINE	
2 F.A. 10-10-62		CUSTOMER EED & REED	
DRAWN 10-4-62 E.M.		DESIGNER STATE HIGHWAY COMM.	
REVISION		ORDER VERBAL	
REVISION		DWG. B62-237-S3	

92-193







SHIP		BILL OF MATERIAL				DWG. B62-237-54	
MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS	
SIB	1		33WF118	60'-1 3/8"		24" CAMBER	A36
SIC	1		DO	60'-0 7/8"		DO	
SID	1		DO	60'-0 3/8"		DO	
	3	CP2	12x15x1/2	50'-0"	268#		
	6	P5	1/2x6x3/8	2'-5"	1#		A7
	6	P6	DO	2'-5"	1#		
	6	P7	DO	2'-5"	1#		
	6	P8	DO	2'-5"	1#		
	1		1/2" WELD	416'-0"		@.166#/FT.	
STRUCTURAL STEEL IS ITEM 702-103							

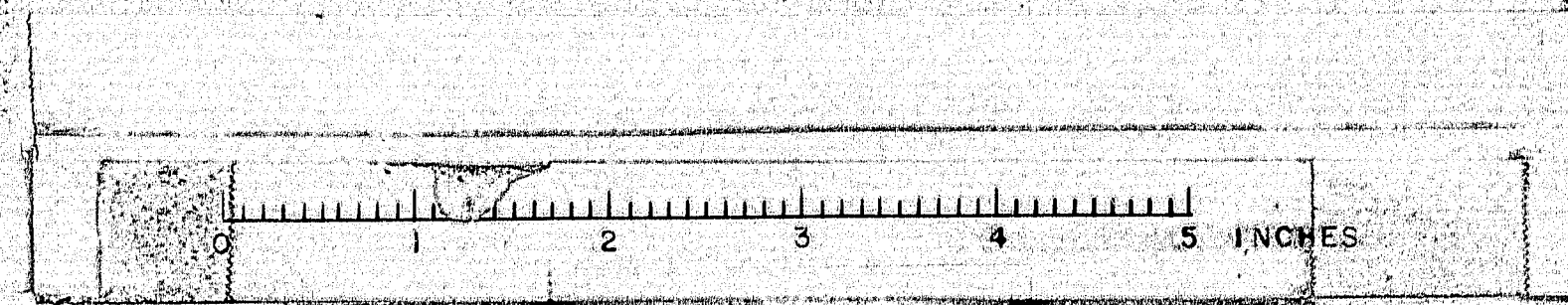
SEE DWG # S9 FOR STUD LOCATION

SHOP CONNECTIONS: WELD  
FIELD CONNECTIONS: DO  
HOLES: 1/8" Ø  
PAINT: STATE SPECS.

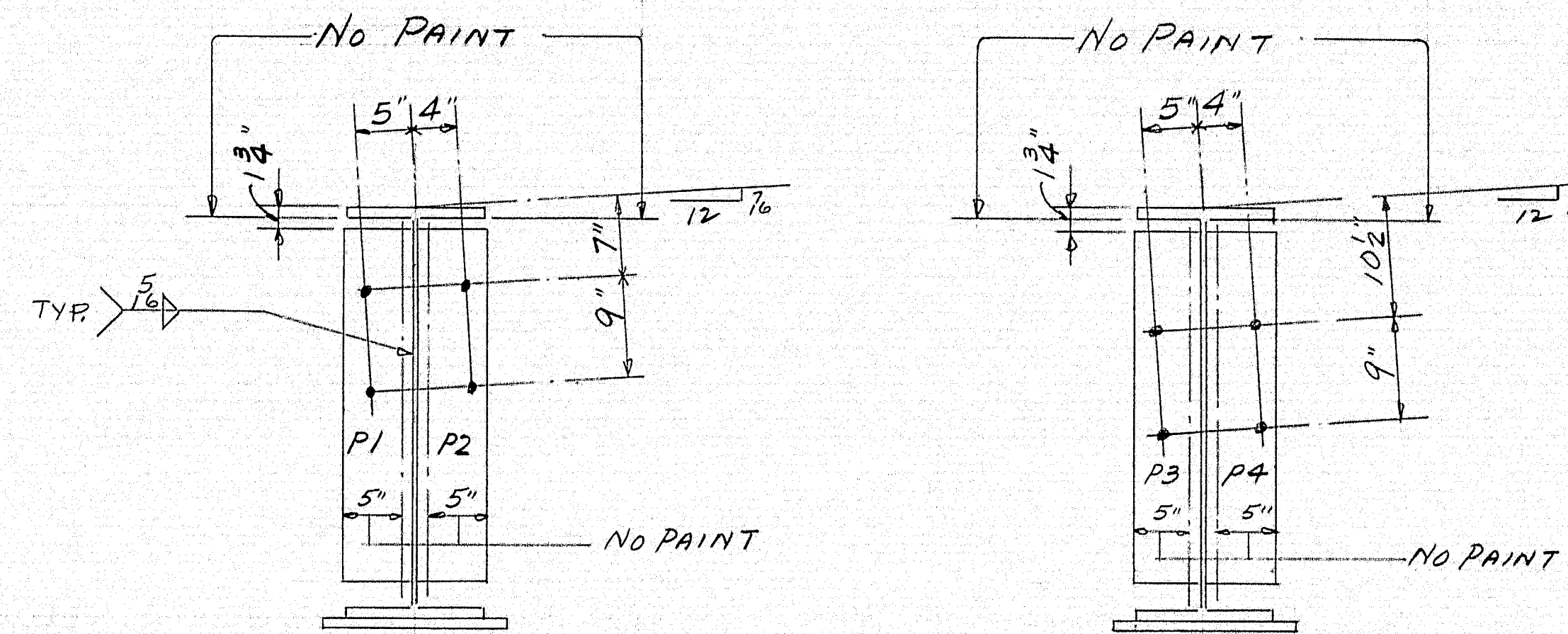
APPROVED 10-12-62

51 - STRINGERS		PRINT ISSUE	
		Bancroft & Martin Rolling Mills Company	
		Brewer, Maine	
		ROUTE #100 BRIDGE OVER INTER. #95	
		PALMYRA - NEWPORT MAINE	
5	ERECT	10-18-62	
5	SHOP	10-18-62	
2	F.A.	10-10-62	
DRAWN	10-5-62	E.M.	
REVISION			
REVISION			
REVISION			
CUSTOMER REED & REED		DESIGNER STATE HIGHWAY COMM.	
ORDER VERBAL		DWG. B62-237-54	

92-194

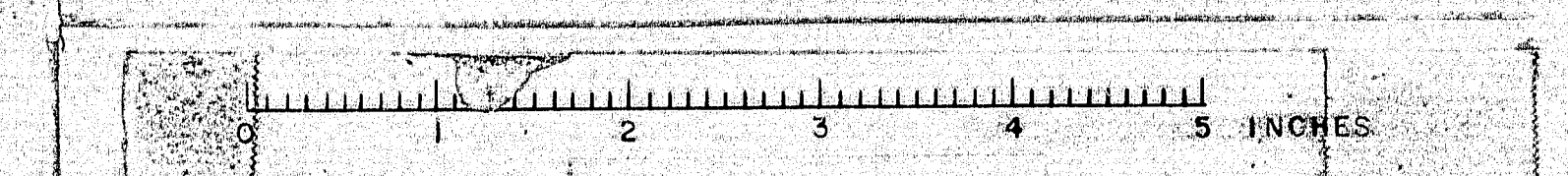




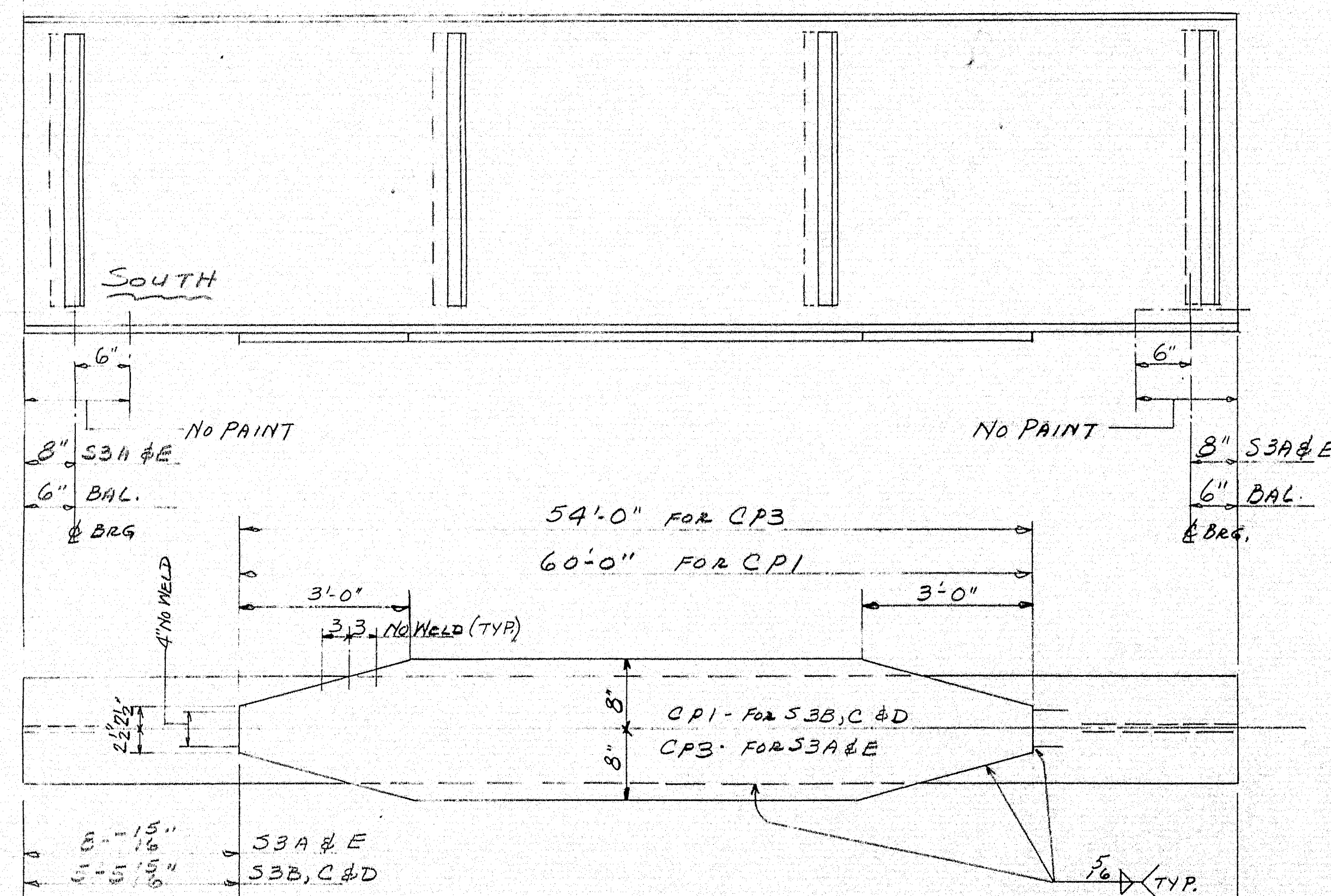


APPROVED 10-12-62

<div style="text-align: center;"> <h1>S2 - STRINGERS</h1> </div>			
<div style="text-align: center;"> <h2>PRINT ISSUE</h2> </div>			
5	RECT.	10-18-62	BRANCH & MARTIN ROLLING MILLS COMPANY Brewer, Maine ROUTE #100 BRIDGE OVER INTER. #95 PALMYRA - NEWPORT MAINE
5	SHOP	10-18-62	
2	FA.	10-10-62	
DRAWN	10-5-62	E.M.	CUSTOMER <u>REED &amp; REED</u> DESIGNER <u>STATE HIGHWAY COMM.</u>
REVISION			ORDER <u>VERBAL</u> DWG. <u>B62-237-55</u>
REVISION			
REVISION			

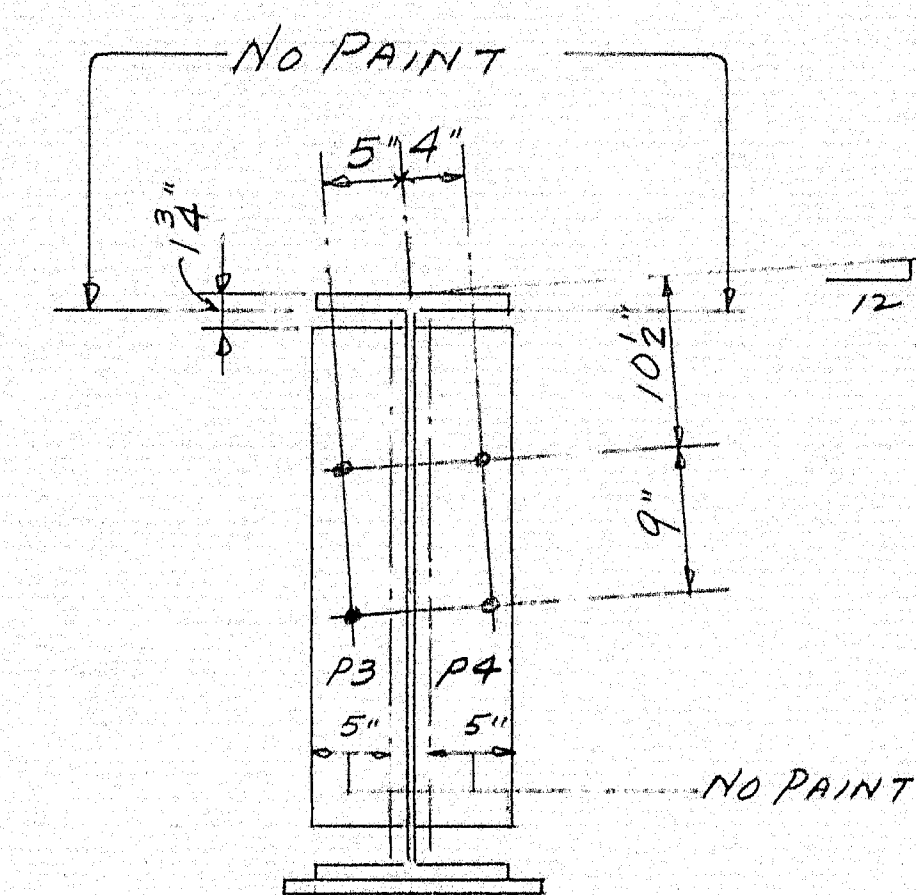






Hand-drawn technical drawing of a vertical assembly, likely a pipe or structural member, with dimensions and labels:

- Top Section:** A horizontal line at the top is labeled "NO PAINT".
- Dimensions:**
  - Top horizontal spacing: 5" and 4"
  - Vertical spacing from top: 7"
  - Vertical spacing from 7" mark: 9"
  - Bottom horizontal spacing: 5" and 5"
  - Bottom horizontal dimension: 12"
- Labels:**
  - "TYP. 1/8" with an arrow pointing to a small circle on the left side.
  - "P1" and "P2" are labels for two vertical lines near the bottom.
  - "NO PAINT" is written at the bottom right.
- Other Features:**
  - A curved line on the left side is labeled 1/8".
  - A vertical line on the left side is labeled 1/8".
  - A vertical line on the right side is labeled 1/8".



SEE DWG # 59 FOR STUD LOCATION

SHOP CONNECTIONS: WELD  
FIELD CONNECTIONS: DO  
HOLES: 1/2"  
PAINT: STATE SPECS

APPROVED EXCEPT AS NOTED 10-12-62

SE - STRINGERS

PRINT ISSUE

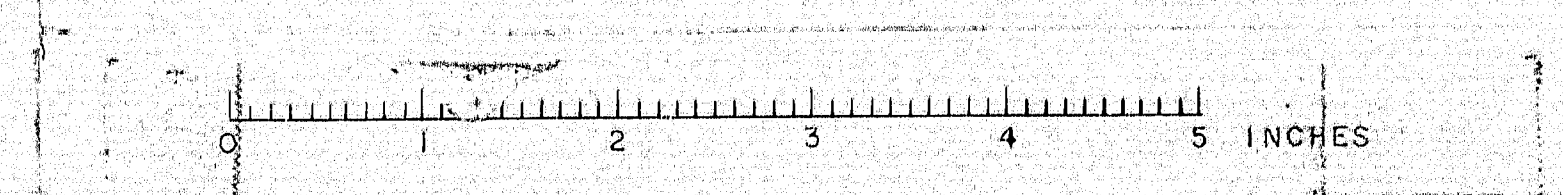
*Bancroft & Martin Rolling Mills Company*  
*Brewer, Maine*

ROUTE #100 BRIDGE OVER INTER. #95  
PALMYRA - NEWPORT MAINE

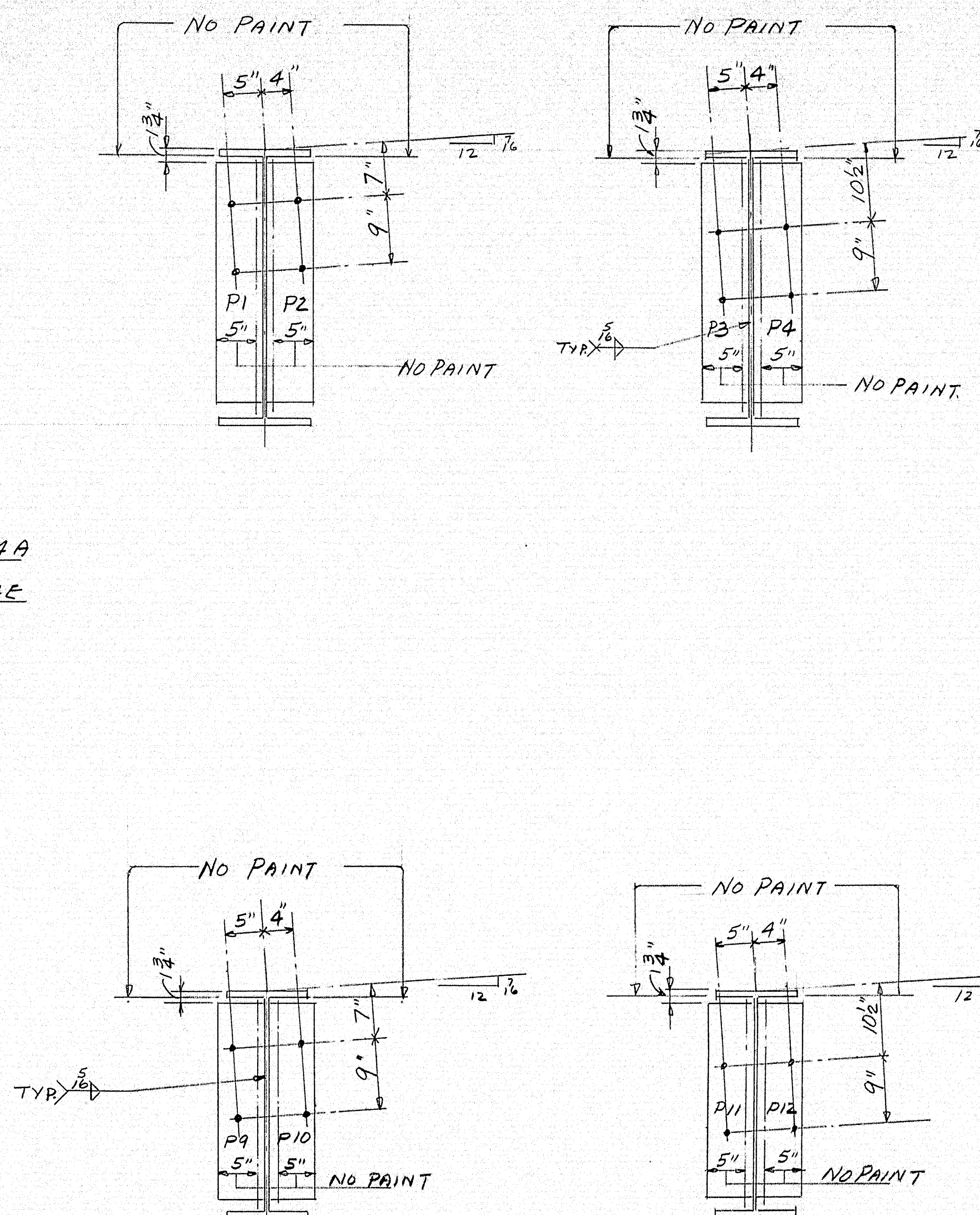
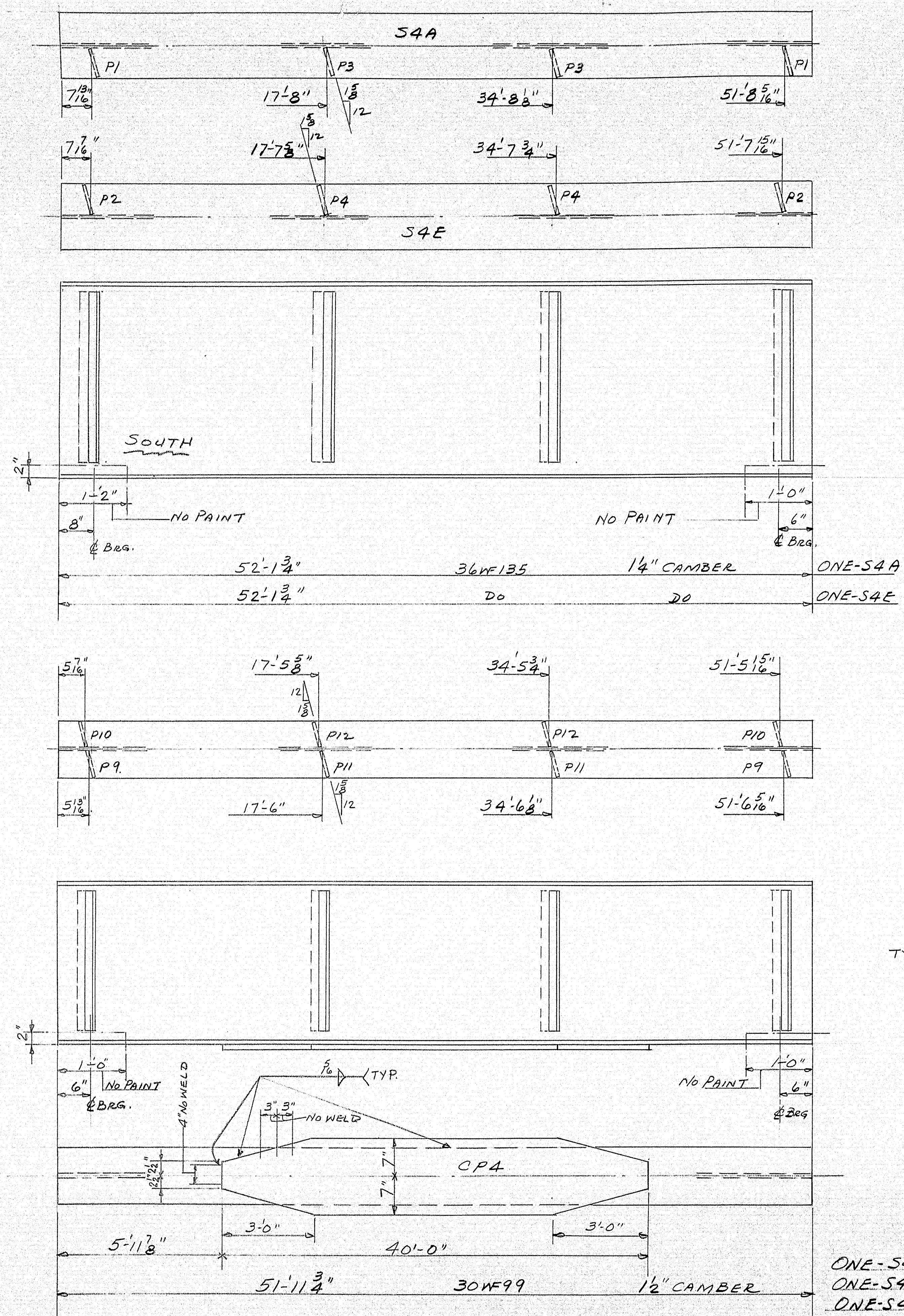
CUSTOMER REED & REED  
DESIGNER STATE HIGHWAY COMM.

ORDER <u>VERBAL</u>	DWG. <u>B62-237-56</u>
---------------------	------------------------

92-196







SHIP		BILL OF MATERIAL				DWG. B62-237-57	
MARK	NO.	MARK	SHAPE	LENGTH	WT.	DEDUCT	REMARKS
S4A	1		36WF135	52' 1 3/4"			1/4" CAMBER A36
S4E	1		DO	52' 1 3/4"			DO
S4B	1		30WF99	51' 1 1/4"			1/2" CAMBER
S4C	1		DO	51' 1 1/4"			DO
S4D	1		DO	51' 1 1/4"			DO
	3	CP4	1/2" x 3/8"	40' 0"		172#	
	2	P1	1/2" x 3/8"	2' 8"			A7
	2	P2		2' 8"			
	2	P3		2' 8"			1#
	2	P4		2' 8"			
	6	P9		2' 2"			1#
	6	P10		2' 2"			1#
	6	P11		2' 2"			1#
	6	P12		2' 2"			1#
	1	FIELD		387' 0"			@.166 #/FT
STRUCTURAL STEEL ITEM						702-103	

SEE DWG. S9 FOR STUD LOCATION

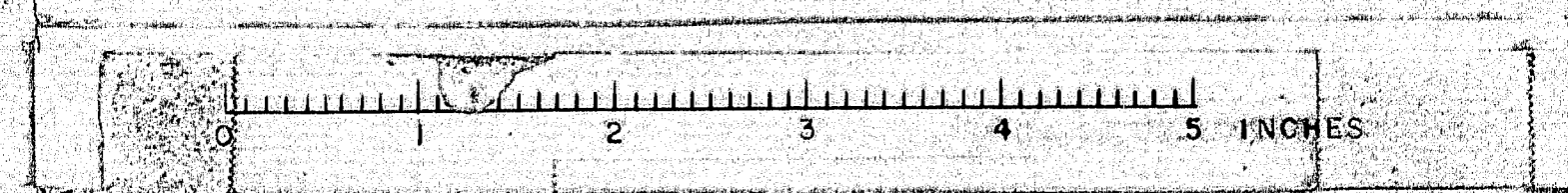
SHOP CONNECTIONS: WELD  
FIELD CONNECTIONS: DO  
HOLES: 1/8" φ  
PAINT: STATE SPECS.

APPROVED EXCEPT AS NOTED 10-12-62

S4 - STRINGERS

PRINT ISSUE		Bancroft & Martin Rolling Mills Company	
		Brewer, Maine	
		ROUTE #100 BRIDGE OVER INTER. #95	
		PALMYRA - NEWPORT ME.	
5	ERECT	10-18-62	
5	SHOP	10-18-62	
2	F.A.	10-10-62	
DRAWN		10-8-62 E.M.	CUSTOMER REED & REED
REVISION		10-16-62 E.M.	DESIGNER STATE HIGHWAY COMM.
REVISION			ORDER VERBAL
REVISION			DWG. B62-237-57

92-197













B. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	I-95-7C29	11	68

## ESTIMATE OF BRIDGE QUANTITIES

DESCRIPTION	QUANTITIES
Earth Excavation	155 c.y.
Structural Earth Excavation, Abutments & Retaining Walls	125 c.y.
Structural Earth Excavation, Piers	240 c.y.
Granular Borrow	450 c.y.
Gravel Base Course - In Place Measurement	190 c.y.
Bituminous Concrete Surface Course, Type "A"	95 tons
Portland Cement Concrete, Abutments & Retaining Walls	196 c.y.
Portland Cement Concrete, Piers	185 c.y.
Portland Cement Concrete, Roadway & Sidewalk Slabs on SH Bridges	293 c.y.
Portland Cement	1010 bbl.
Structural Steel, Fabricated & Delivered	238,700 lbs.
Structural Steel, Erection	238,700 lbs.
Bronze or Copper-Alloy Bearing & Expansion Plates, Delivered	178 lbs.
Bronze or Copper-Alloy Bearing & Expansion Plates, Placing	178 lbs.
Reinforcing Steel, Delivered	91,460 lbs.
Reinforcing Steel, Placing	91,460 lbs.
Shear Connectors	L.S.
Steel H-Beam Piles, 42 lbs per foot	10151.7
Structural Steel, Field Painting	238,700 lbs.
Aluminum Rail	545 l.f.
Membrane Water-proofing	875 s.y.
Slope Paving	455 s.y.
Granite Bridge Curb	560 l.f.

## SPECIFICATIONS

DESIGN: A.A.S.H.O. Standard Specifications For Highway Bridges 1961 and interim revisions.

CONTRACT: State of Maine, State Highway Commission, Standard Specifications for Highway and Bridges, Revision of Jan. 1956, and Supplemental Specifications.

LIVE LOADING: H20-S16-M

ALLOWABLE STRESSES:

Structural Steel ASTM Designation A36 -  $f_s = 20,000$  p.s.i.  
Structural Steel ASTM Designation A7 -  $f_s = 18,000$  p.s.i.  
Intermediate Grade Reinforcing Steel -  $f_s = 20,000$  p.s.i.  
Concrete ( $n=10$ ) -  $f_c = 1200$  p.s.i.

CONCRETE CLASSIFICATION:

All Concrete - Class "A"

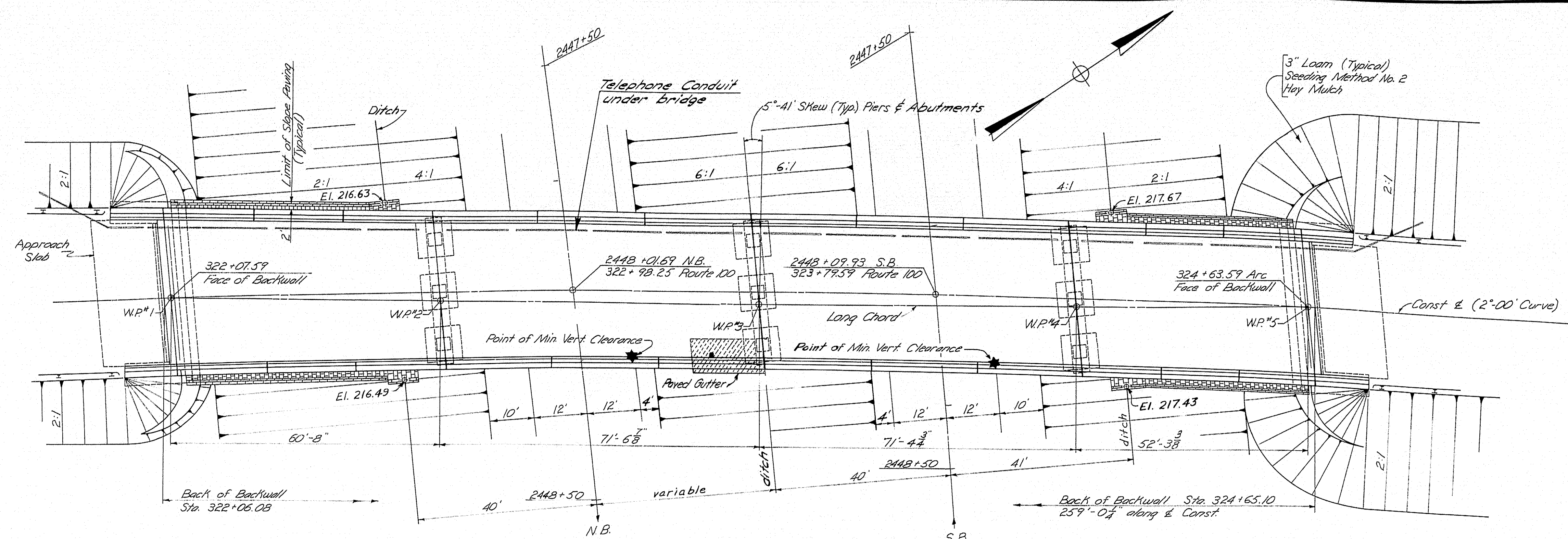
## TRAFFIC

A.D.T. - 1962 - 2565  
A.D.T. - 1982 - 3495  
D.H.V. - 4.19  
T - 11%  
D - 60%  
V - 60 m.p.h.

DESIGN - CORPIN	DET - F.B.A.	BRIDGE NO.
TRACE - R.G.G.		SURVEY -
CHECK - DRESELLEY		PLOT -
STATE HIGHWAY COMMISSION BRIDGE DIVISION		
ROUTE NO. 100 BRIDGE OVER		
INTERSTATE NO. 95 IN THE TOWN OF		
PALMYRA, SOMERSET COUNTY		
GENERAL PLAN		

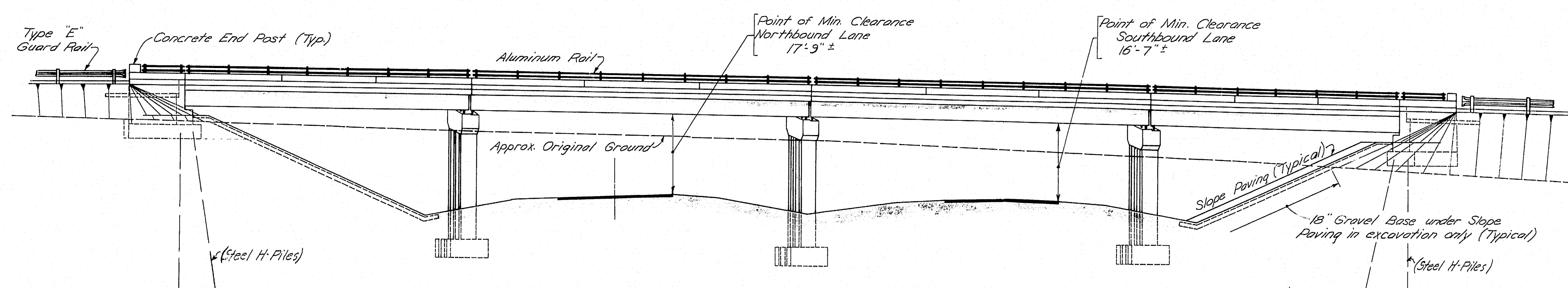
SHEET 1 OF 15 AUGUSTA, MAINE June 1962

M-1895



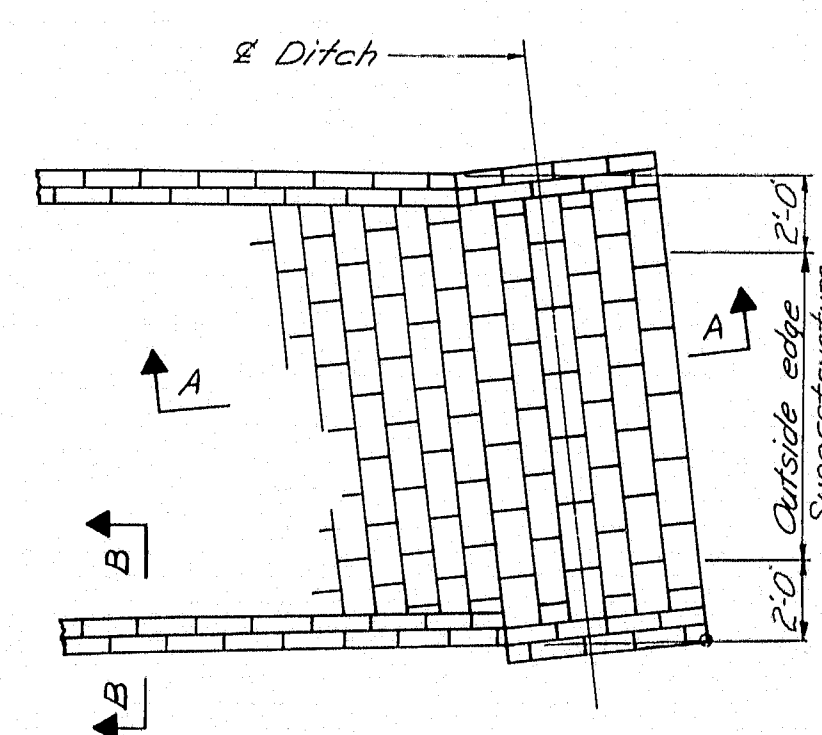
## PLAN

Scale 1"=15'



## ELEVATION

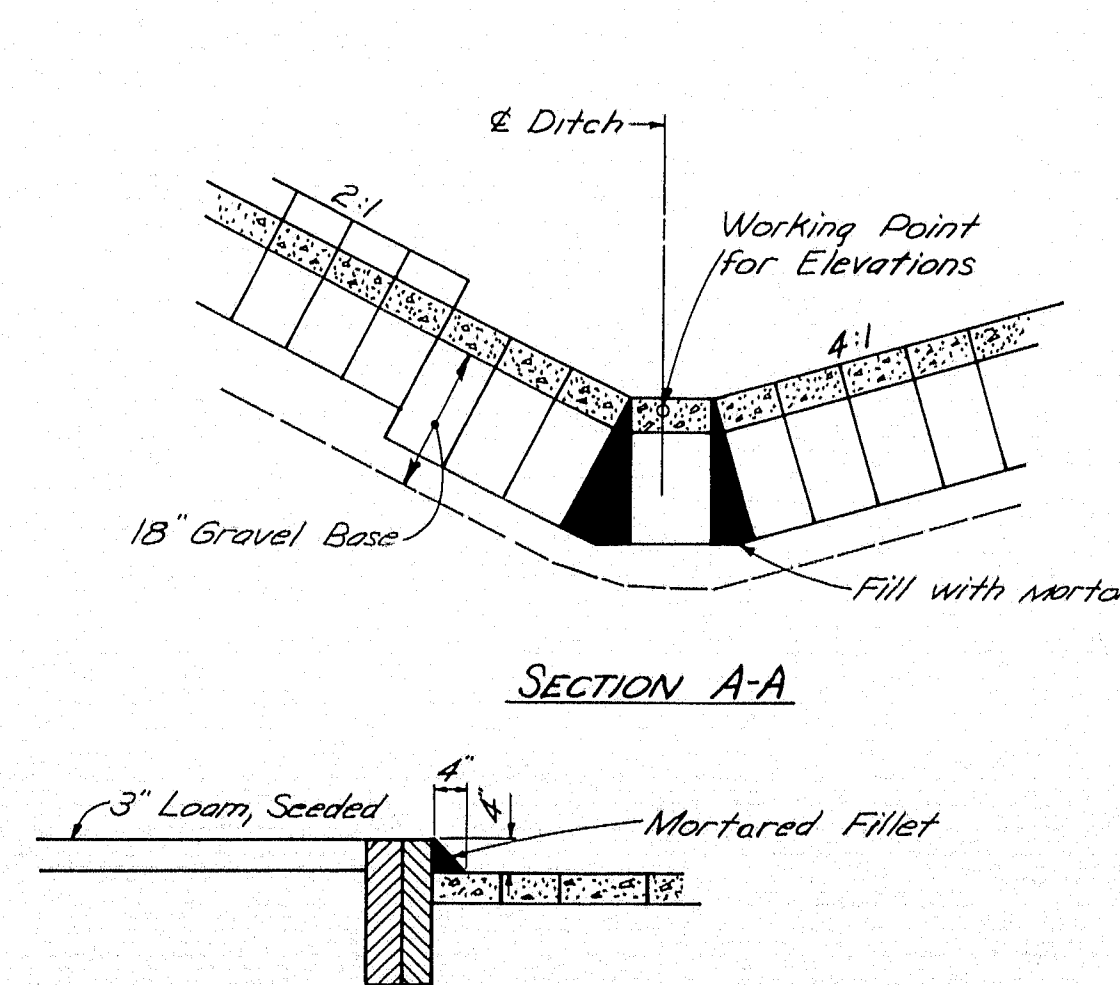
Scales - Vert. & Horiz. 1"=15'



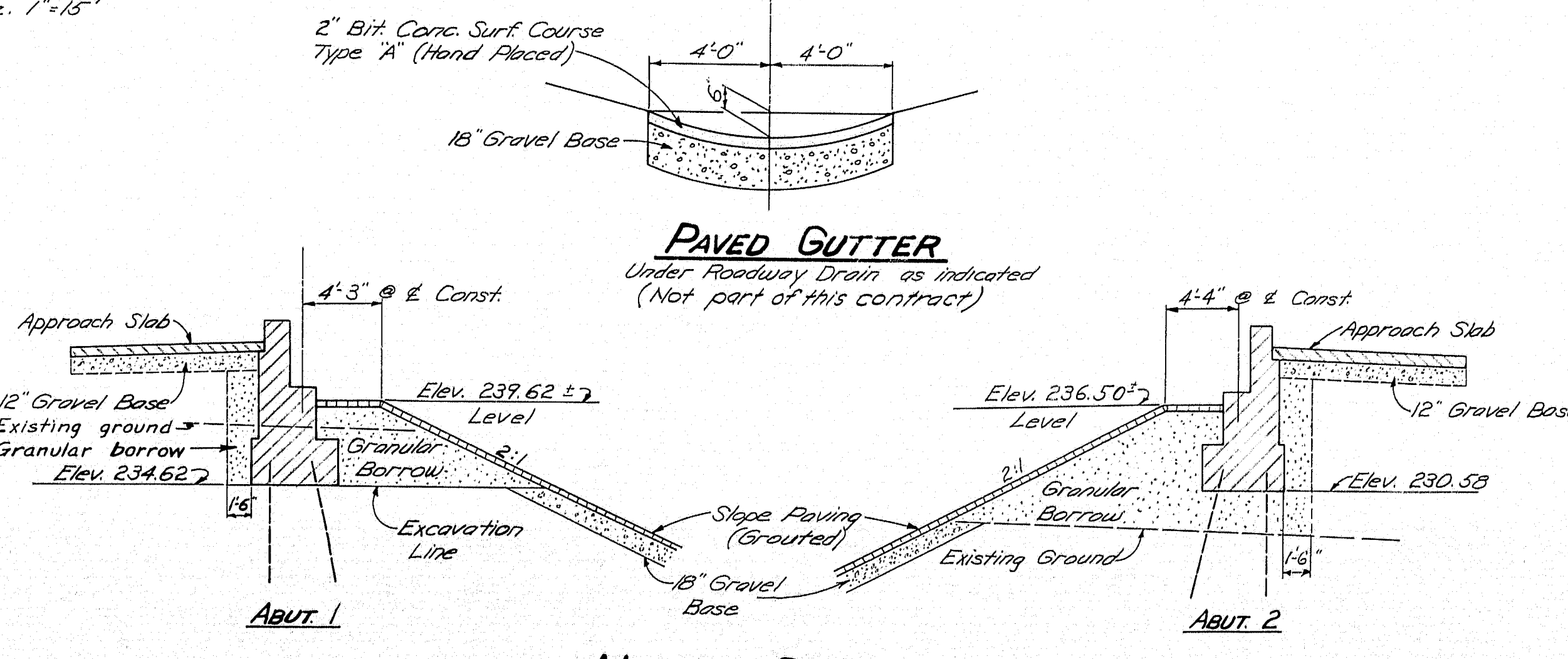
## PLAN

## SLOPE PAVING

The 15" Gravel Base under Slope Paving may be reduced or omitted if in the opinion of the Engineer the existing material is suitable. Payment for Excavation for Gravel Base under Slope Paving is to be made under Item 203-7, Earth Excavation.



## SECTION B-B

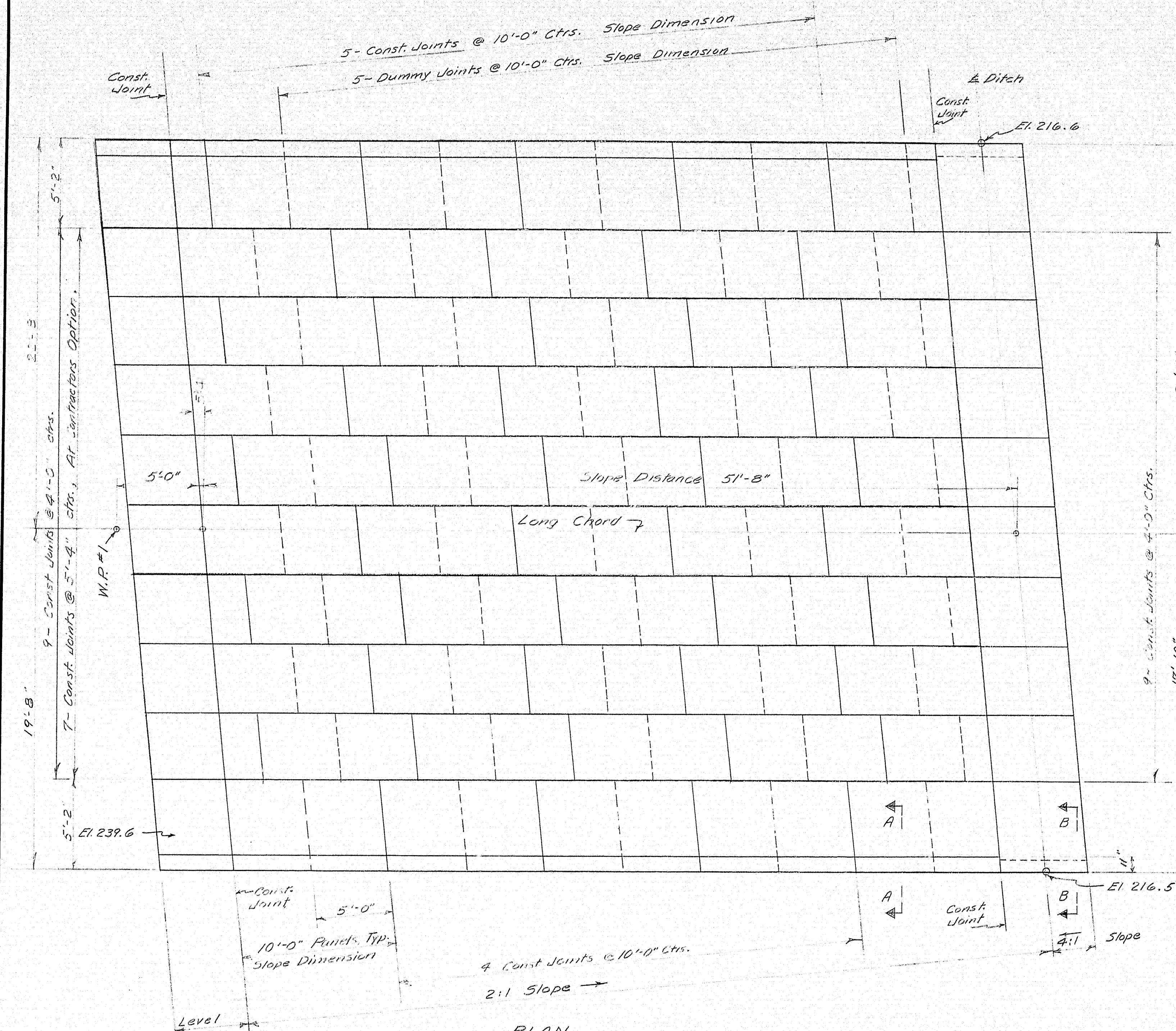


## NORMAL SECTIONS

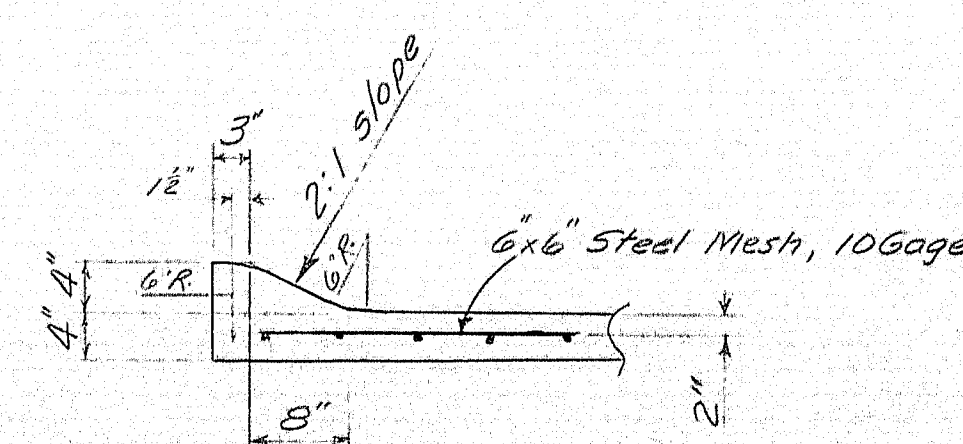
(Perpendicular to Abutments)

At Abut. 2 place Granular Borrow to El. 230.58 before driving pile. No stones to be larger than 6" in area where piles are to be driven.



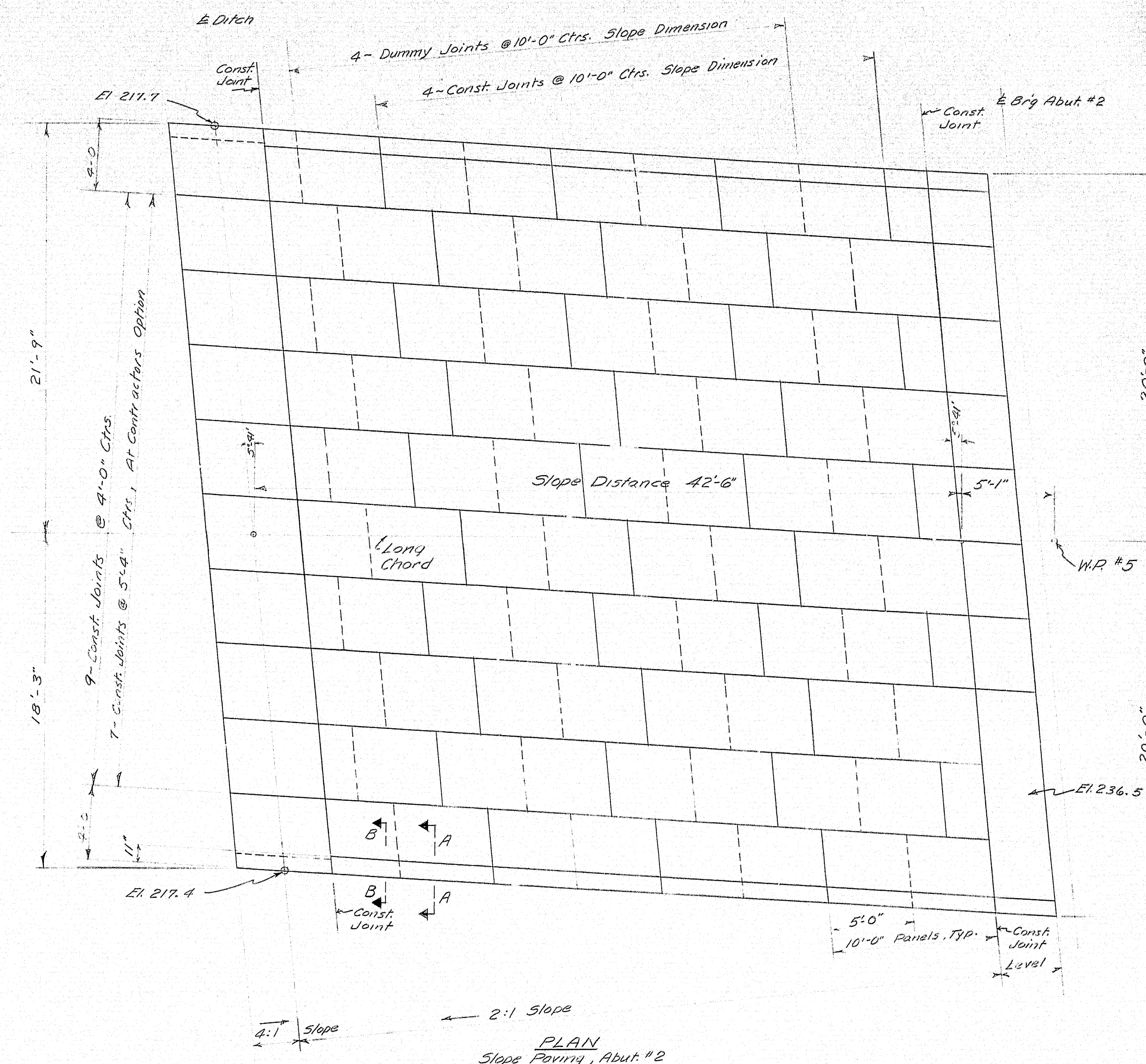


PLAN  
Slope Paving, Abut. #1

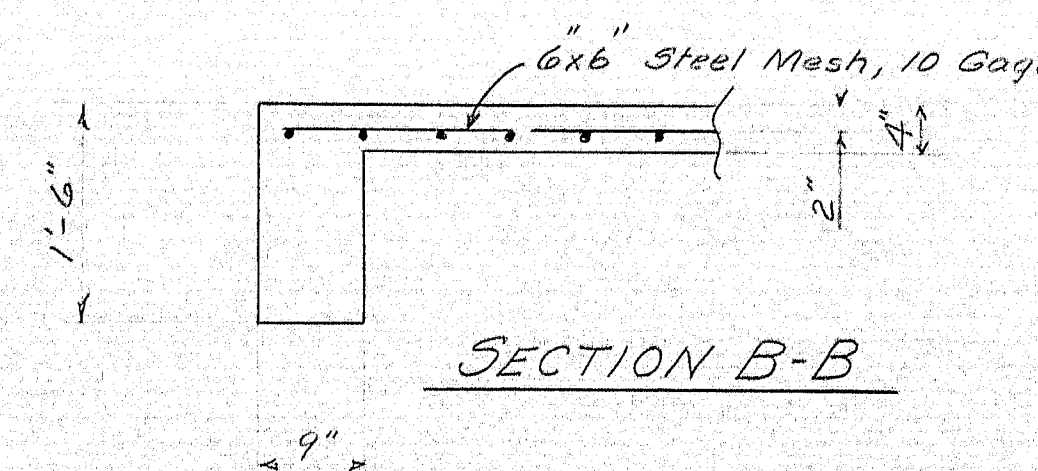


SECTION A-A

**NOTES**  
Break bond at joints with a coat of Asphalt Paint.  
Reinforce with 10 gauge 6x6 Steel Mesh, m.p. to panels through Const. Joints.  
At Contractors Option, section of the same strip may be cast in order, bond will be broken between adjoining sections with a 1/4" layer of Performed Expansion Joint Filler.



PLAN  
Slope Paving, Abut. #2



SECTION B-B

DESIGN - A.R.S.  
TRACE -  
CHECK - T.H.K.

BRIDGE NO.  
SURVEY -  
PLOT -

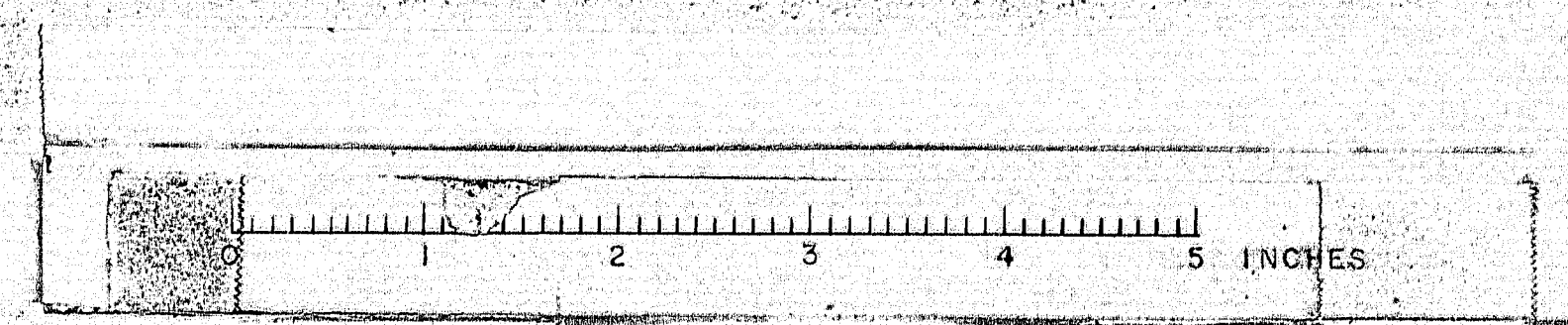
STATE HIGHWAY COMMISSION  
BRIDGE DIVISION

**ROUTE NO. 100 BRIDGE**  
OVER

**INTERSTATE NO. 95**  
IN THE TOWN OF  
**PALMYRA, SOMERSET COUNTY**

SLOPE PAVING

SHEET 2A OF 15 AUGUSTA, MAINE MAY 1963



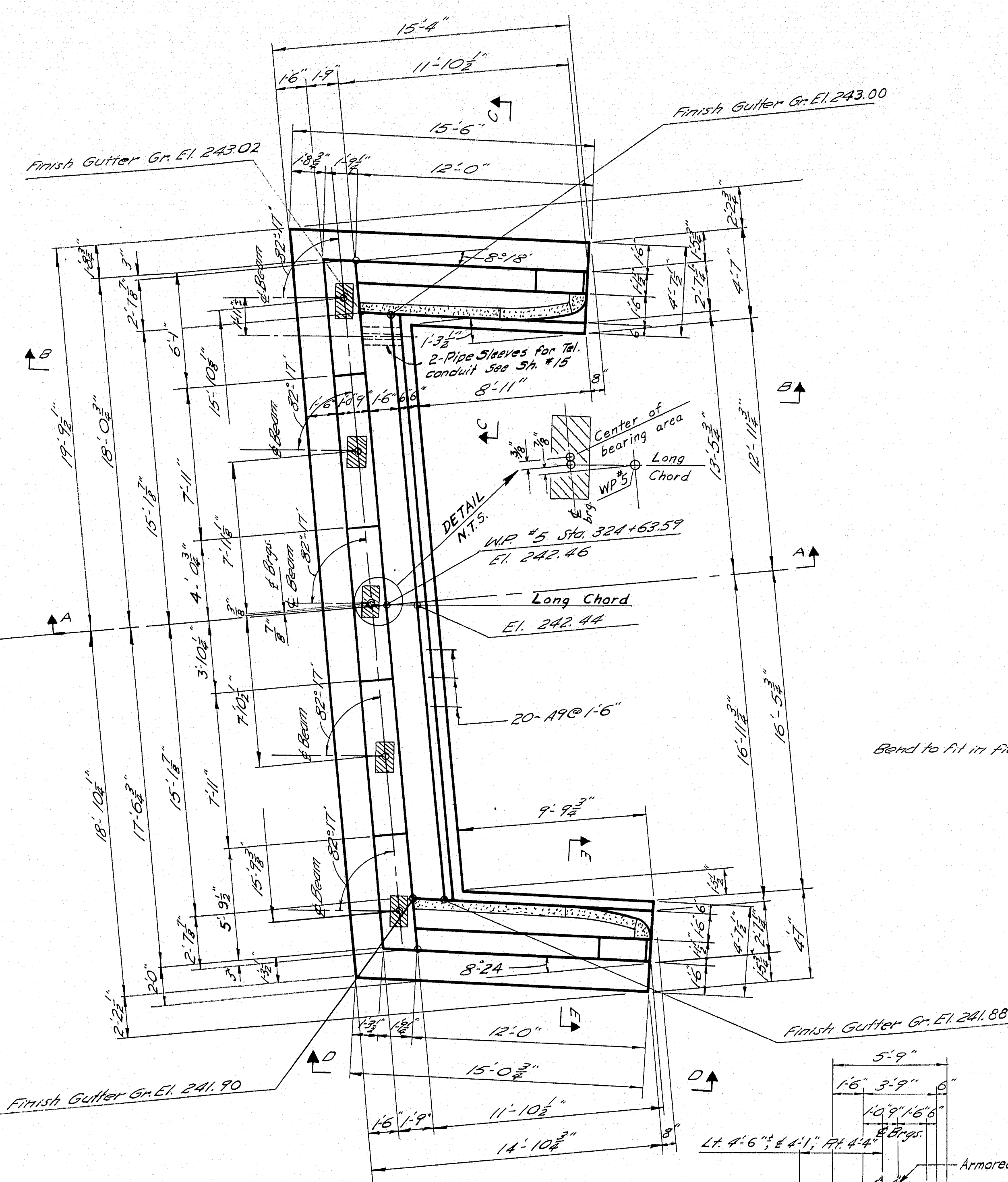
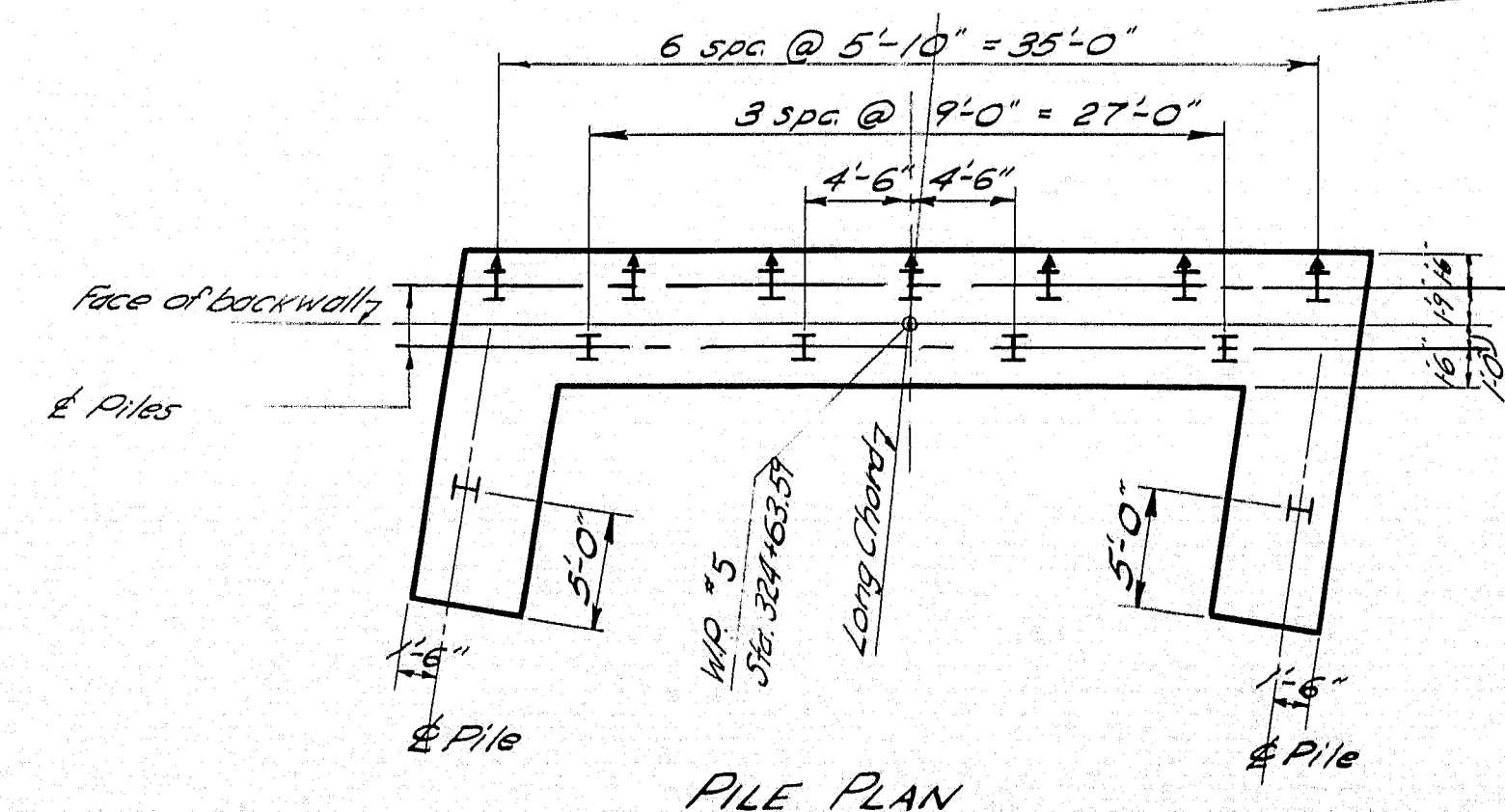
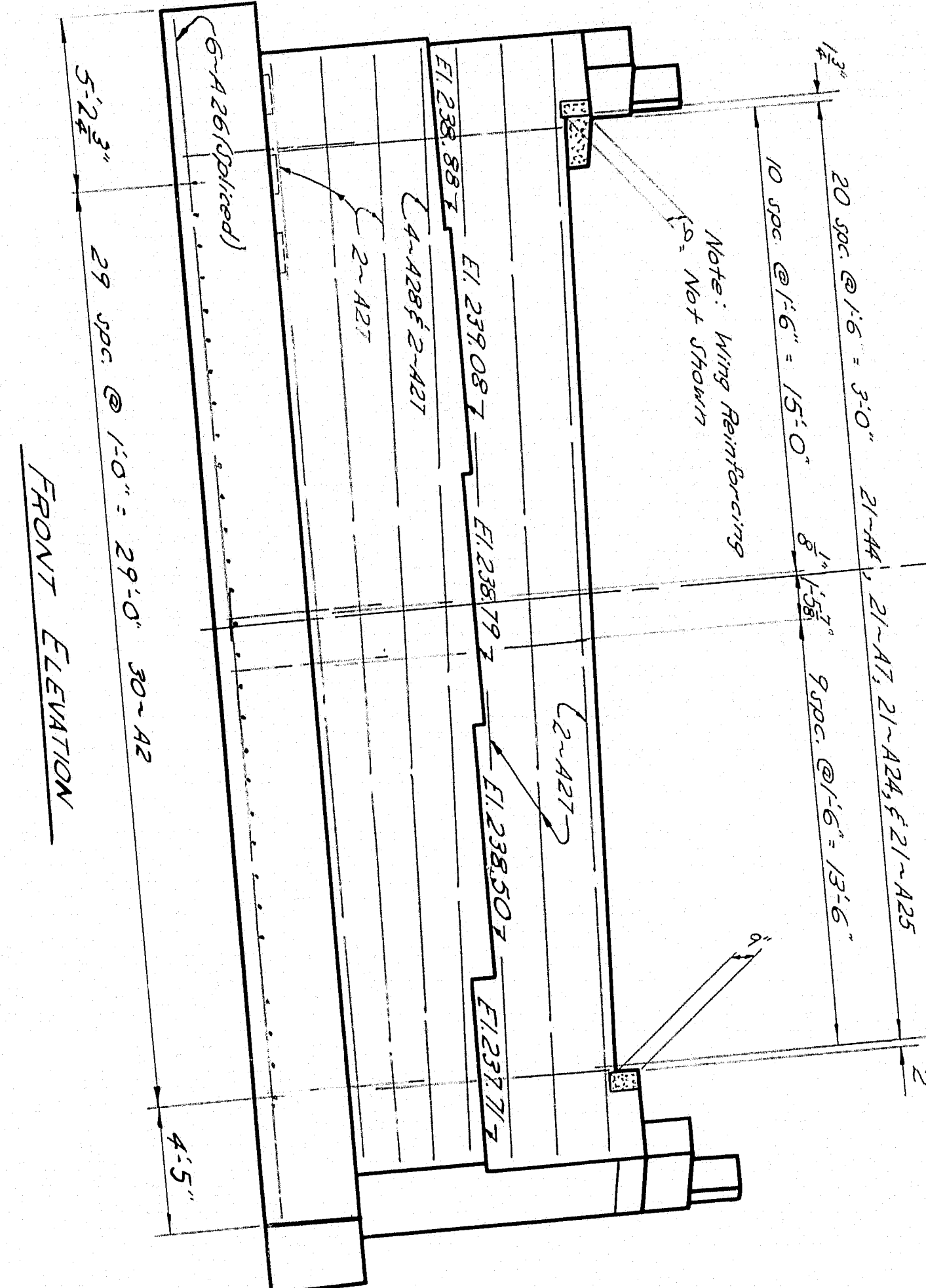
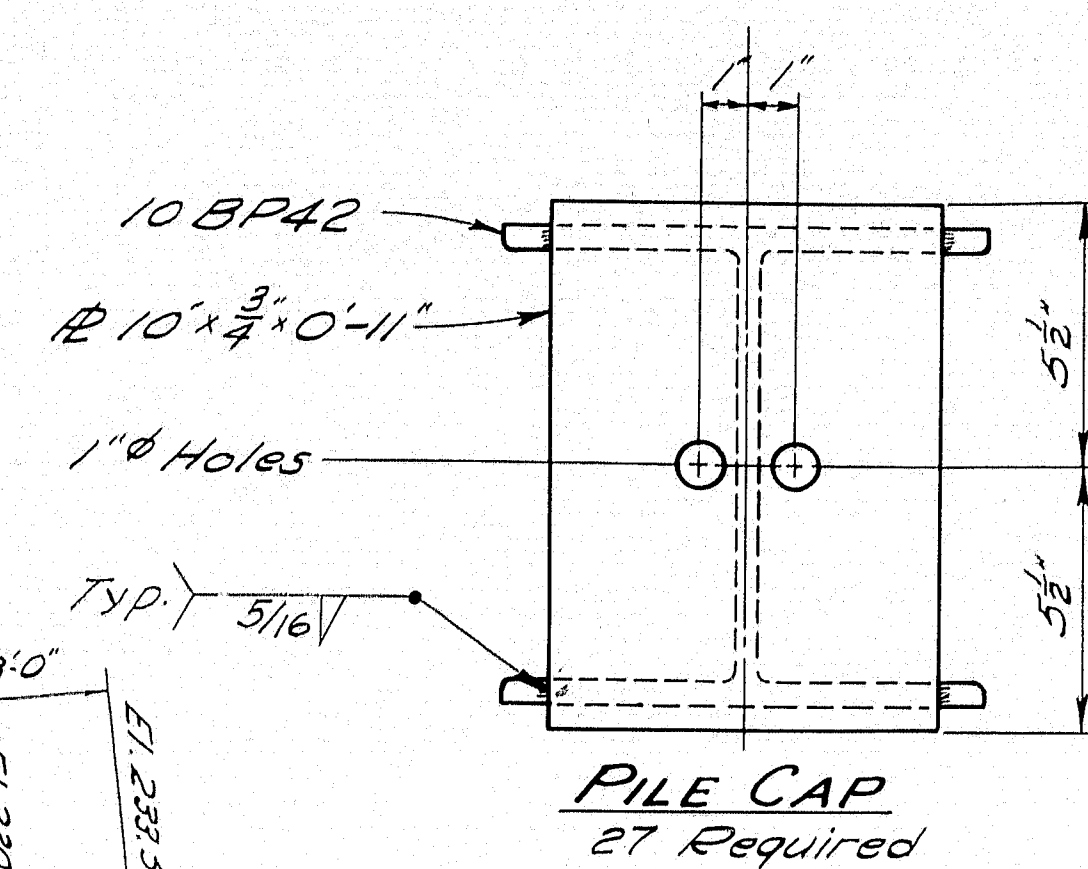








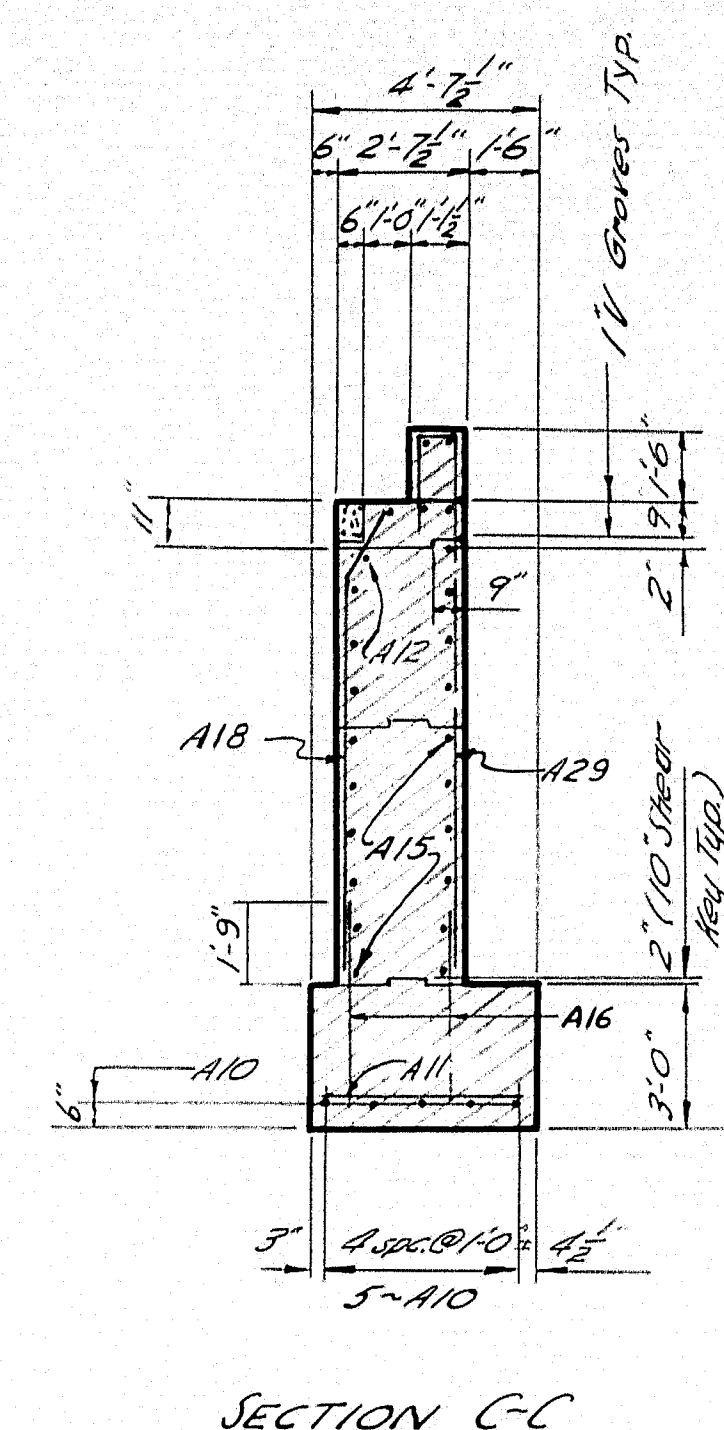




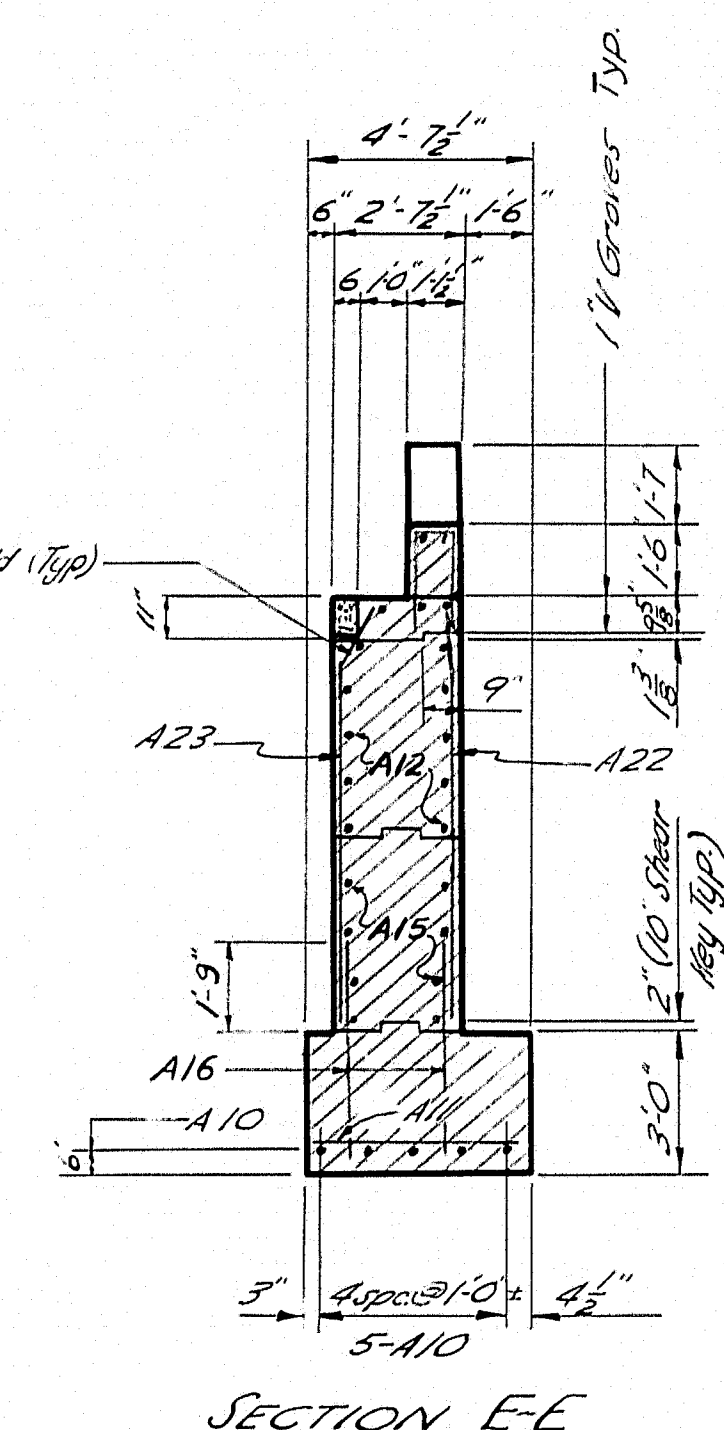
PLAN ABUTMENT No. 2

PILE NOTES

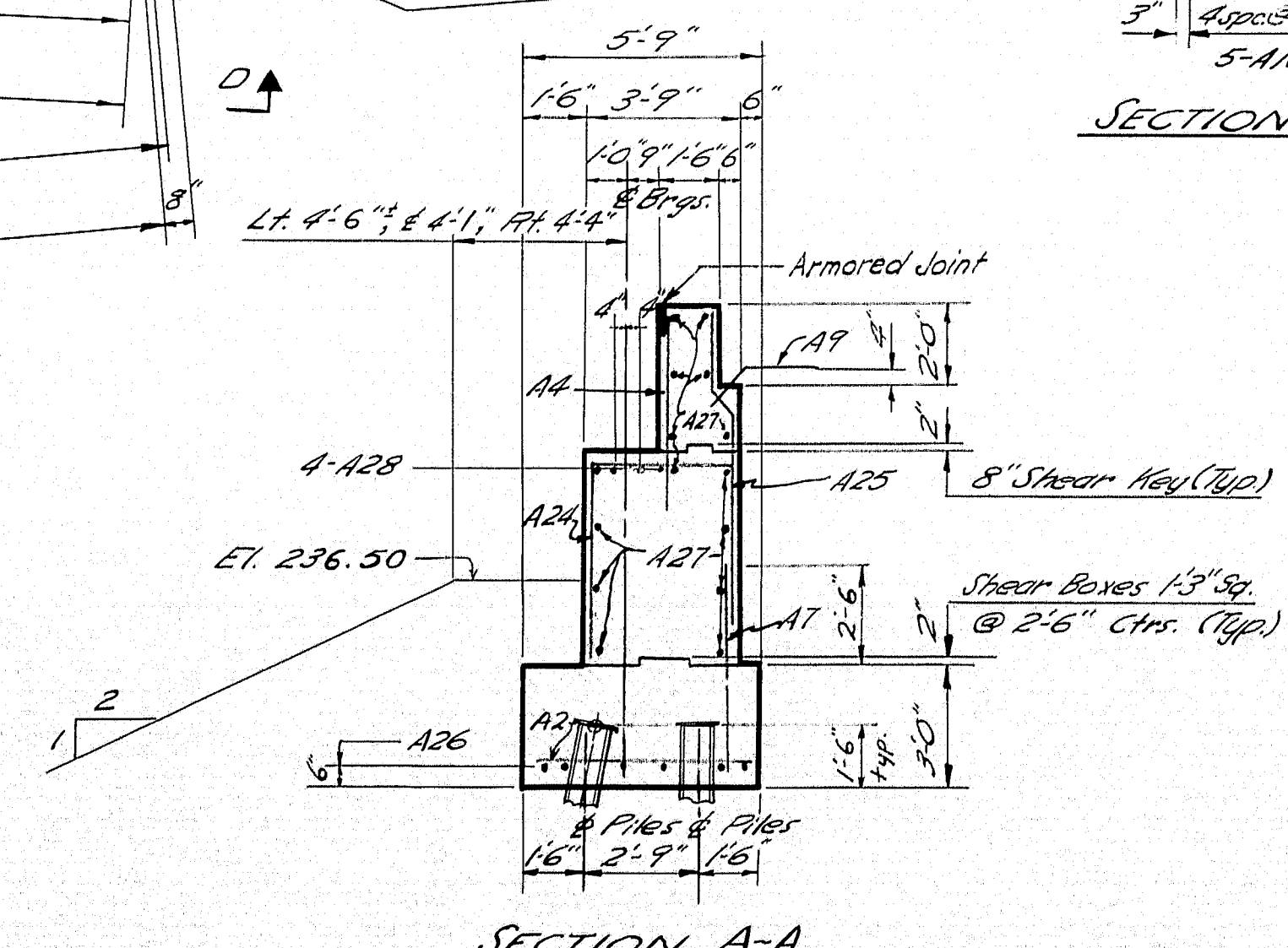
All piles to be 10BP42.  
 Pile indicated thus  $\uparrow$  better  $2\frac{1}{2}"/ft$  in the direction indicated by the arrow.  
 Max. pile load 37 tons.  
 Estimated pile length 45 feet.  
 13 Piles required, with caps.



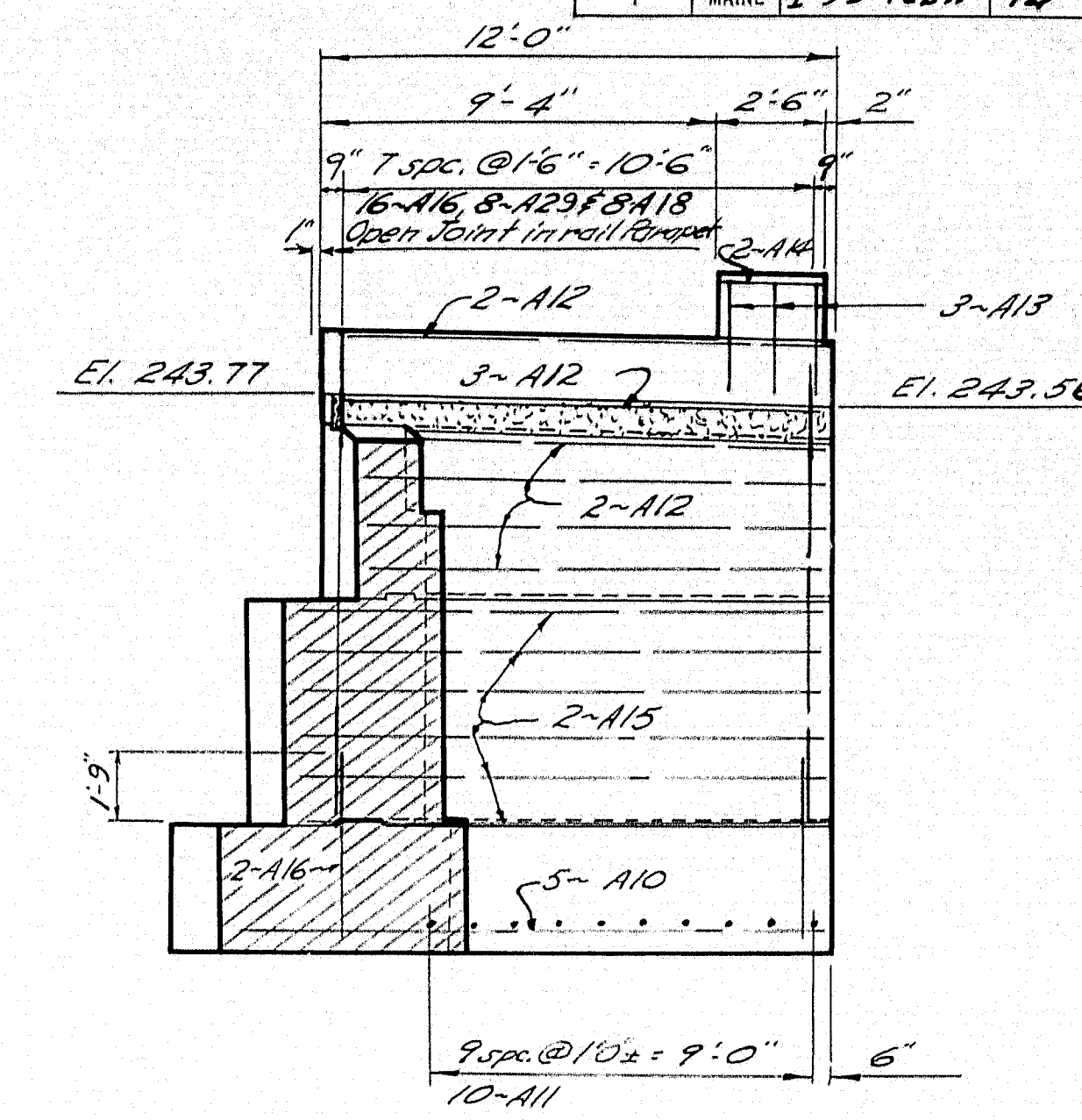
SECTION C-C



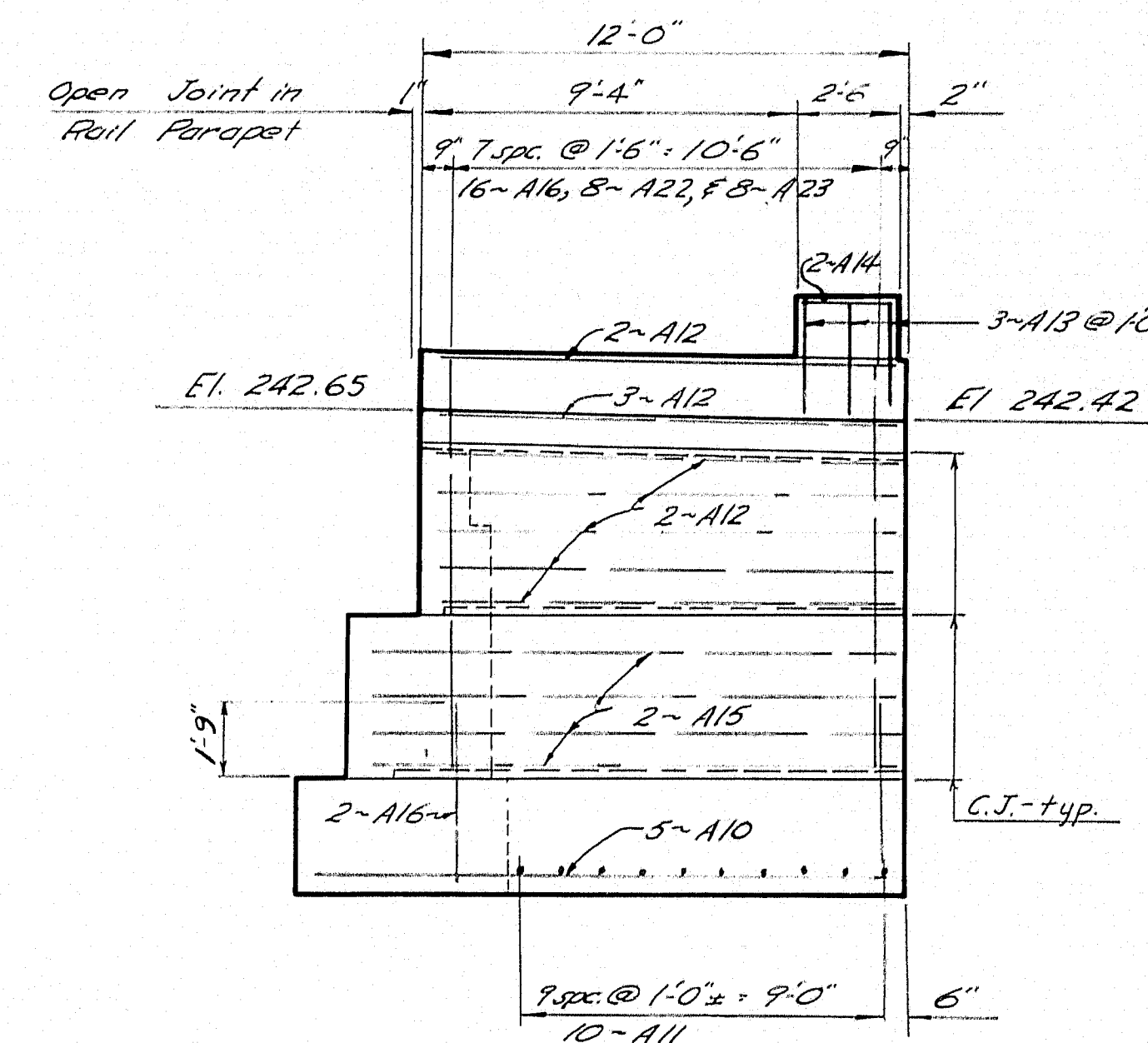
SECTION E-E



SECTION A-A



SECTION B-B  
 Note: Wing reinforcing only shown.



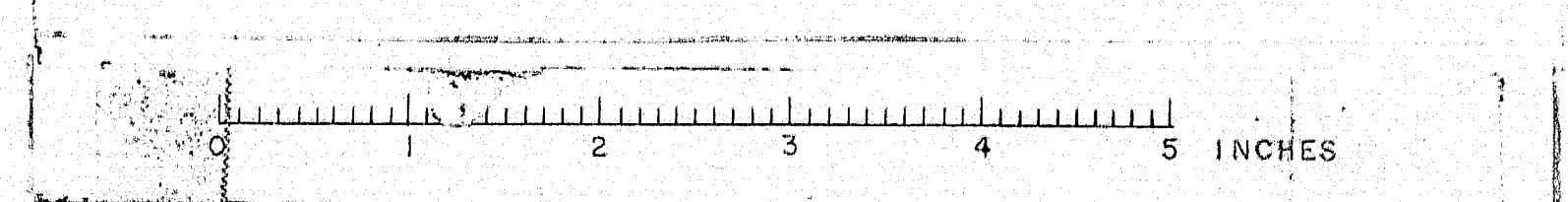
VIEW D-D  
 Note: Wing reinforcing only shown.

Note: See sheet No. 3 for General Notes.

DESIGN - Darity TRACE - Lyon CHECK - Dransky	BRIDGE NO. SURVEY - PLOT -
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
ROUTE NO. 100 BRIDGE OVER	
INTERSTATE NO. 95 IN THE TOWN OF	
PALMYRA, SOMERSET COUNTY	
ABUTMENT NO. 2 DETAIL	

SHEET 4 OF 15 AUGUSTA, MAINE June 1962

M-1899









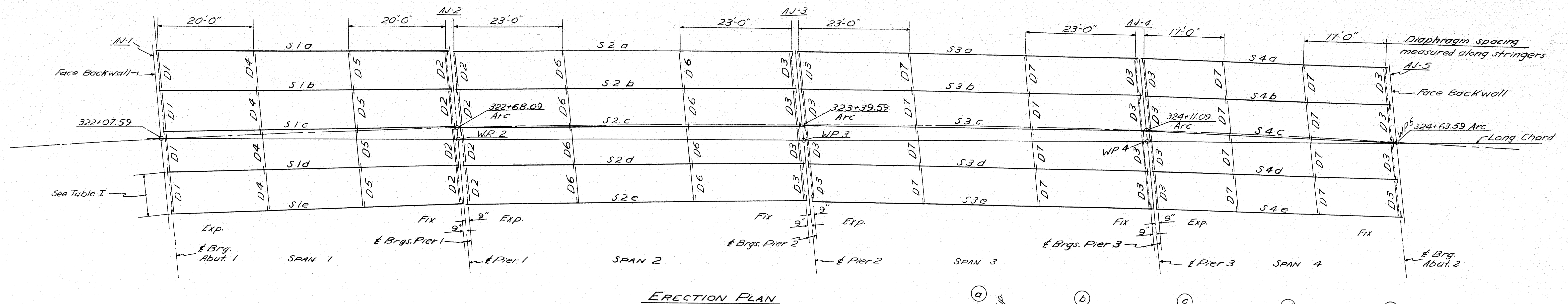
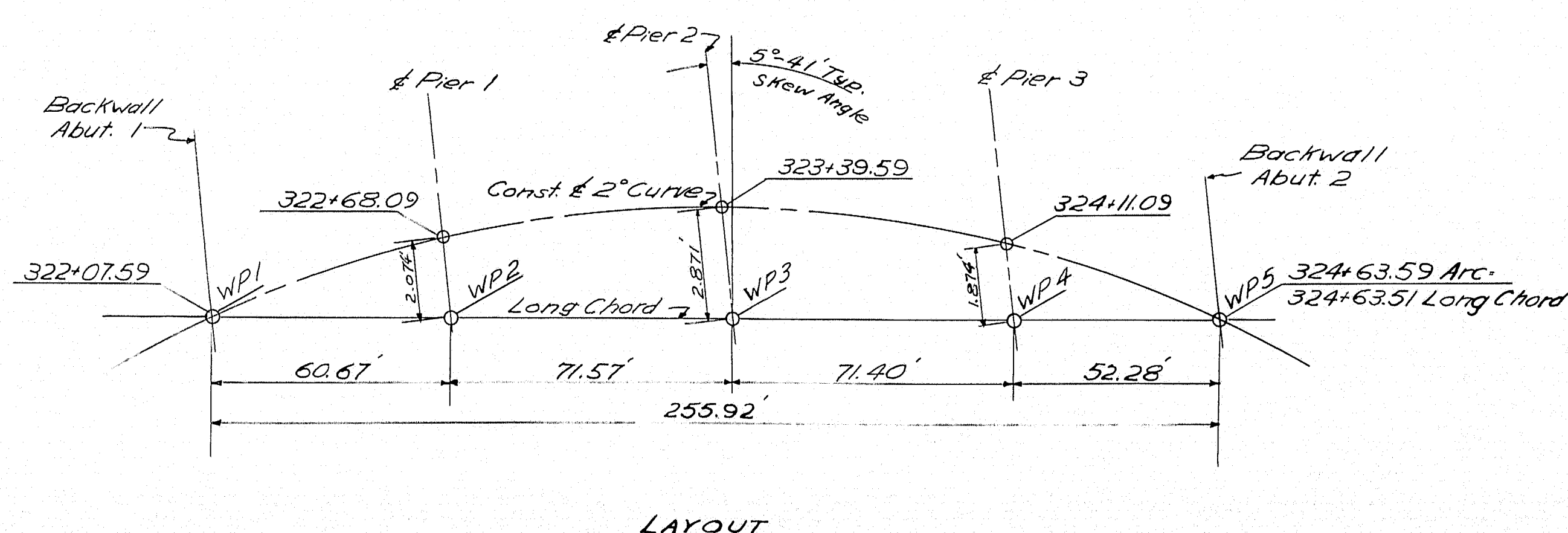
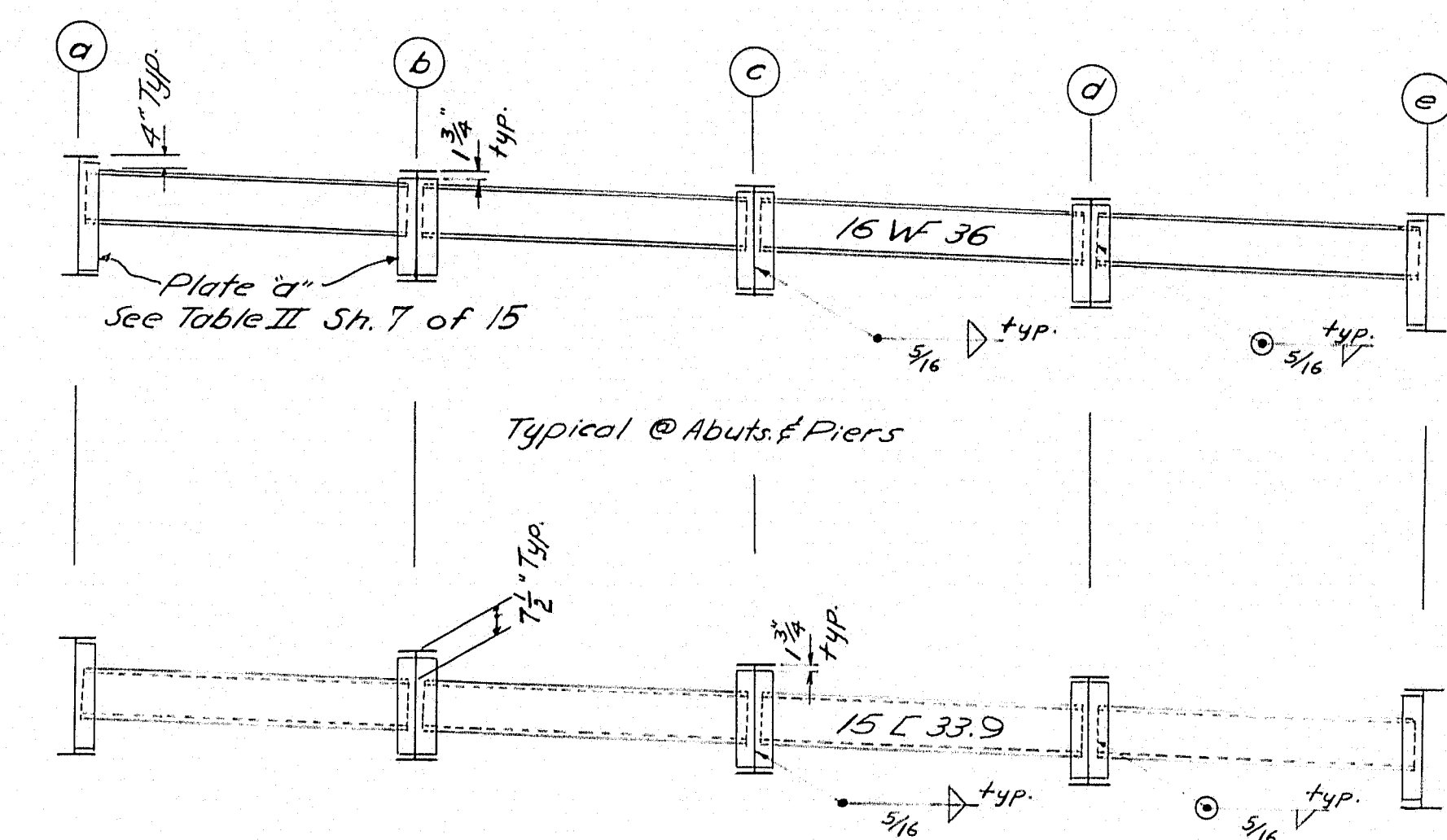


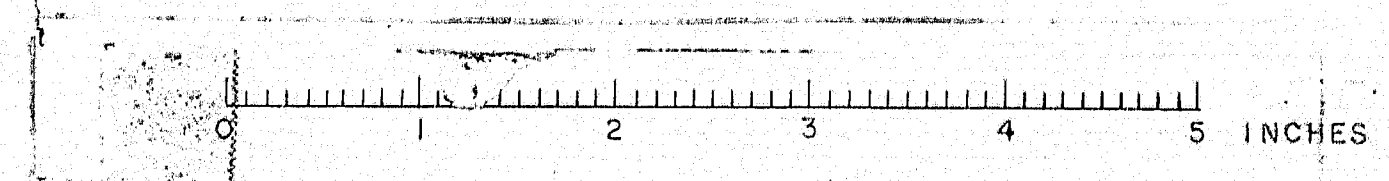
TABLE I	
Distance center-center Beam along & Bearing	
Span 1	8'-7 1/2"
Pier 1	8'-7 1/2"
Span 2	8'-0 1/2"
Pier 2	7'-10 3/4"
Span 3	7'-10 3/4"
Pier 3	7'-10 3/4"
Span 4	7'-10 3/4"
Abut. 2	7'-10 3/4"



- GENERAL NOTES**
- SPECIFICATIONS:
    - DESIGN & DETAIL - A.A.S.H.O. Standard Specifications, 1961.
    - FABRICATION & ERECTION - M.S.H.C. Standard Specifications, Highways and Bridges, Revision of Jan. 1956 and Supplemental Specifications Feb. 1960.
  - LOADING: H20-S16-44
  - MATERIAL:
    - Stringers and Cover Plates shall be Structural Steel conforming to the latest revision of the Specifications A.S.T.M. Designation A36.
    - All other Structural Steel shall conform to A.S.T.M. Designation A7 or A36.
  - DESIGN STRESS: A7-18,000 p.s.i. - A36-20,000 p.s.i.

DESIGN- TRACE- CHECK- BY- DATE- 1962	DETAIL- BY- DATE- 1962	BRIDGE NO. SURVEY- PLOT- 1962
STATE HIGHWAY COMMISSION BRIDGE DIVISION		
ROUTE NO. 100 BRIDGE OVER		
INTERSTATE NO. 95 IN THE TOWN OF		
PALMYRA, SOMERSET COUNTY		
STRUCTURAL STEEL ERECTION PLAN		
SHEET 6 OF 15 AUGUSTA, MAINE June 1962		

M-1900A







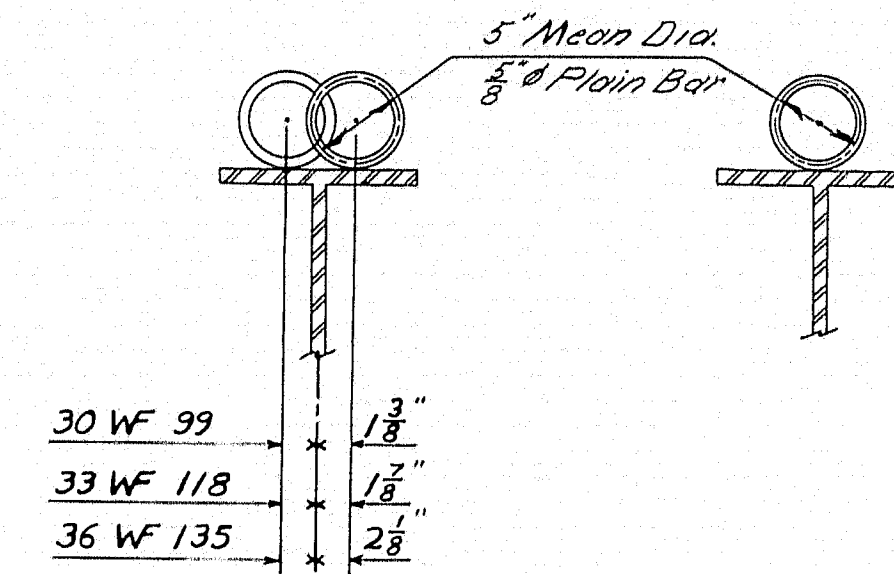
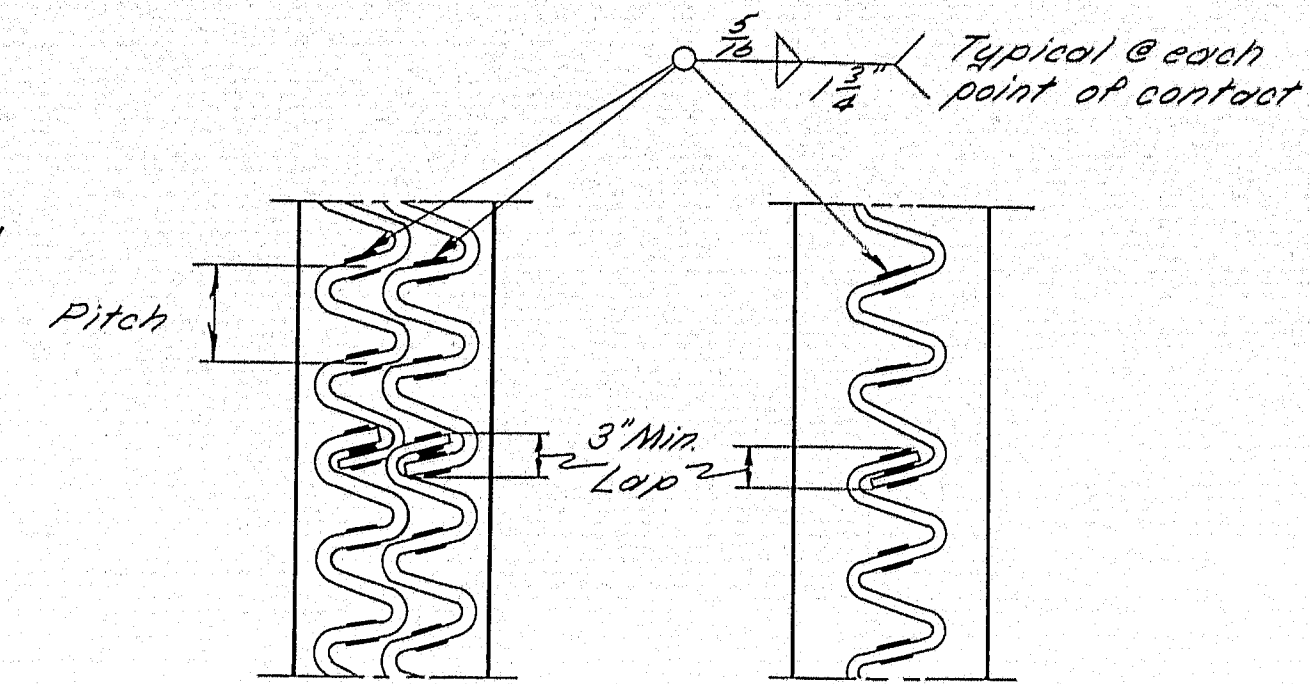






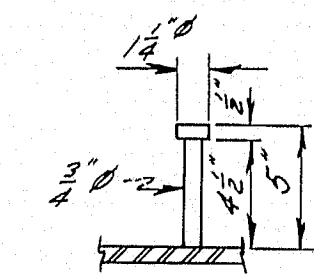
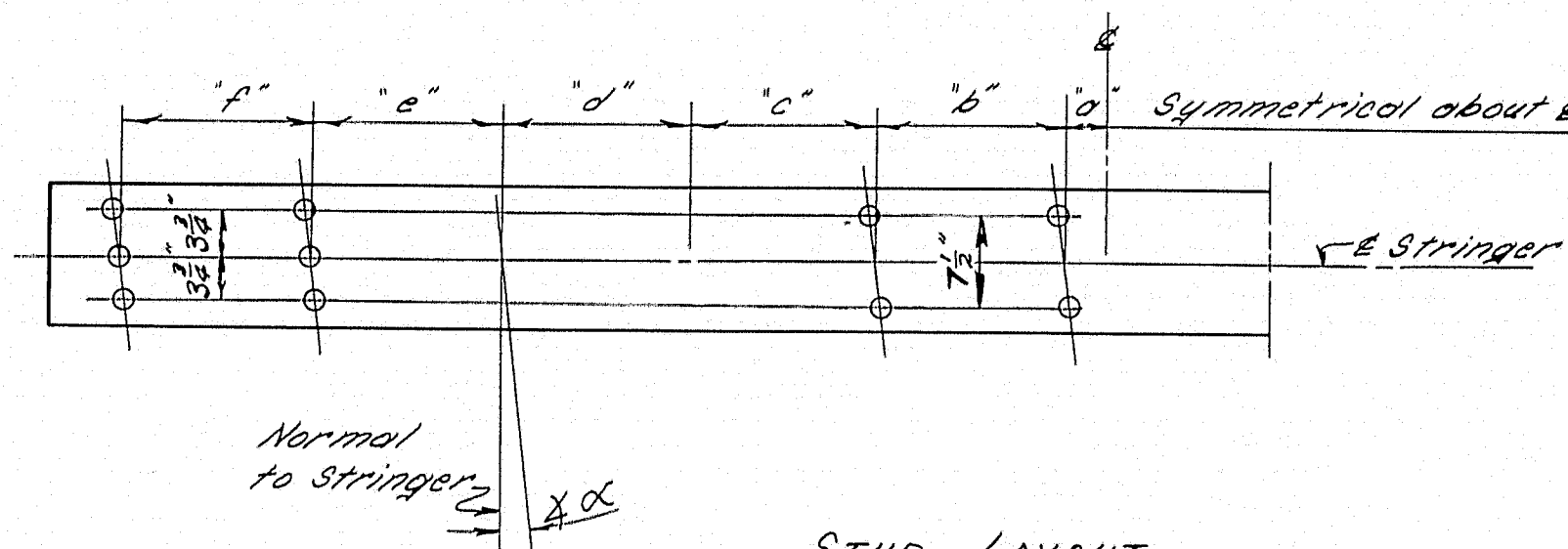
SPIRAL TABLE				
Mark	No.	Pitch	Spaces	Length
SP1	30	4 1/2"	29	10'-3 3/4"
SP2	40	6"	20	10'-0"
SP3	60	4 1/2"	32	12'-0"
SP4	40	6"	24	12'-0"
SP5	20	4"	30	10'-0"
SP6	5	4 1/2"	34	12'-9"

LAYOUT OF SPIRALS						
Spirals - $f_s = 18,000$ psi						
SP1	2-SP1	2-SP2	1-SP1	1-SP1	2-SP2	2-SP1
SP2	2-SP1	2-SP2	1-SP1	1-SP1	2-SP2	2-SP1
SP3	2-SP3	2-SP4	1-SP3	1-SP3	2-SP4	2-SP3
SP4	2-SP3	2-SP4	1-SP3	1-SP3	2-SP4	2-SP3
SP5	2-SP5	2-SP2	1-SP6	2-SP2	2-SP5	
SP6	2-SP5	2-SP2	1-SP6	2-SP2	2-SP5	



LAYOUT OF SPIRALS  
Spirals -  $f_s = 18,000$  psi

### SPIRAL DETAILS



TYPICAL STUD

STUD LAYOUT  
Note: See Table below

NOTE: Studs are a patented product. If the Contractor elects to use them, he shall pay the royalty and payment to the Contractor will be included in the lump sum price paid for "Shear Connectors" Item 705-17.

NOTE: Studs are to be granular or solid flux filled. They are to be automatically end welded to stringers in the shop or in the field.

STUD LAYOUT TABLE											
Stringer	$\alpha$	"d"	Studs	Spacing	Studs	Spacing	Studs	Spacing	Studs	Spacing	Studs per Stringer
SP1	4° 45'	3 1/2"	2	9 sp @ 7" = 5'-9"	2	14 sp @ 5 1/2" = 6'-10"	2	18 sp @ 4" = 6'-0"	3	13 sp @ 5 1/2" = 6'-10"	356
SP2	"	2 1/2"	2	12 sp @ 5 3/4" = 5'-9"	2	16 sp @ 4 1/2" = 6'-0"	3	12 sp @ 5 1/2" = 5'-6"	3	21 sp @ 3 1/2" = 6'-10"	424
SP3	5° 25'	3 3/8"	2	12 sp @ 6 3/4" = 6'-9"	2	16 sp @ 5 1/2" = 7'-0"	2	18 sp @ 4 1/2" = 6'-9"	3	22 sp @ 4 1/2" = 7'-9"	418
SP4	"	3 1/8"	2	13 sp @ 6 1/2" = 6'-9"	2	17 sp @ 4 3/4" = 6'-8 1/2"	2	21 sp @ 4" = 7'-0"	3	22 sp @ 4" = 7'-4"	456
SP5	6° 30'	3 3/8"	2	11 sp @ 6 3/4" = 6'-2 1/2"	2	16 sp @ 5 1/2" = 7'-4"	2	19 sp @ 4 1/2" = 7'-1 1/2"	3	20 sp @ 4 1/2" = 7'-6"	406
SP6	"	3 1/8"	2	13 sp @ 6 1/2" = 6'-9"	2	16 sp @ 5" = 6'-8"	2	22 sp @ 4" = 7'-4"	3	22 sp @ 4" = 7'-4"	450
SP7	7° 45'	3 1/2"	2	8 sp @ 7" = 4'-8"	2	11 sp @ 5 1/2" = 5'-0 1/2"	2	13 sp @ 4 1/2" = 4'-10 1/2"	3	12 sp @ 4 1/2" = 4'-9"	284
SP8	"	2 1/2"	2	10 sp @ 5 3/4" = 4'-9"	2	13 sp @ 4 1/2" = 4'-10 1/2"	3	16 sp @ 4" = 5'-4"	3	18 sp @ 3 1/2" = 5'-9"	368

Total number Studs req'd = 8022

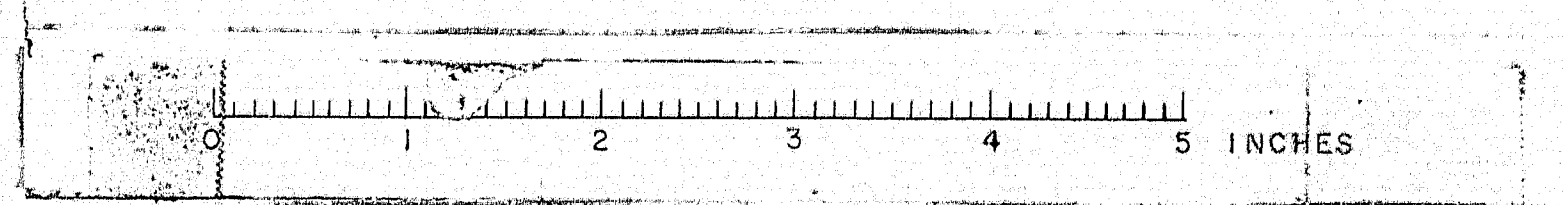
### STUD DETAILS

NOTE: Shear Connectors - Spirals or Studs to be used shall be the option of the Contractor.

DESIGN - C. J. B.	DETAIL - P. H.	BRIDGE NO.
TRACE - C. J. B.	CHECK - A. B.	SURVEY -
		PLOT -
STATE HIGHWAY COMMISSION BRIDGE DIVISION		
ROUTE NO. 100 BRIDGE OVER INTERSTATE NO. 95 IN THE TOWN OF PALMYRA, SOMERSET COUNTY		
SHEAR CONNECTORS		
SHEET 9 OF 15 AUGUSTA, MAINE June 1962		

M-1900D

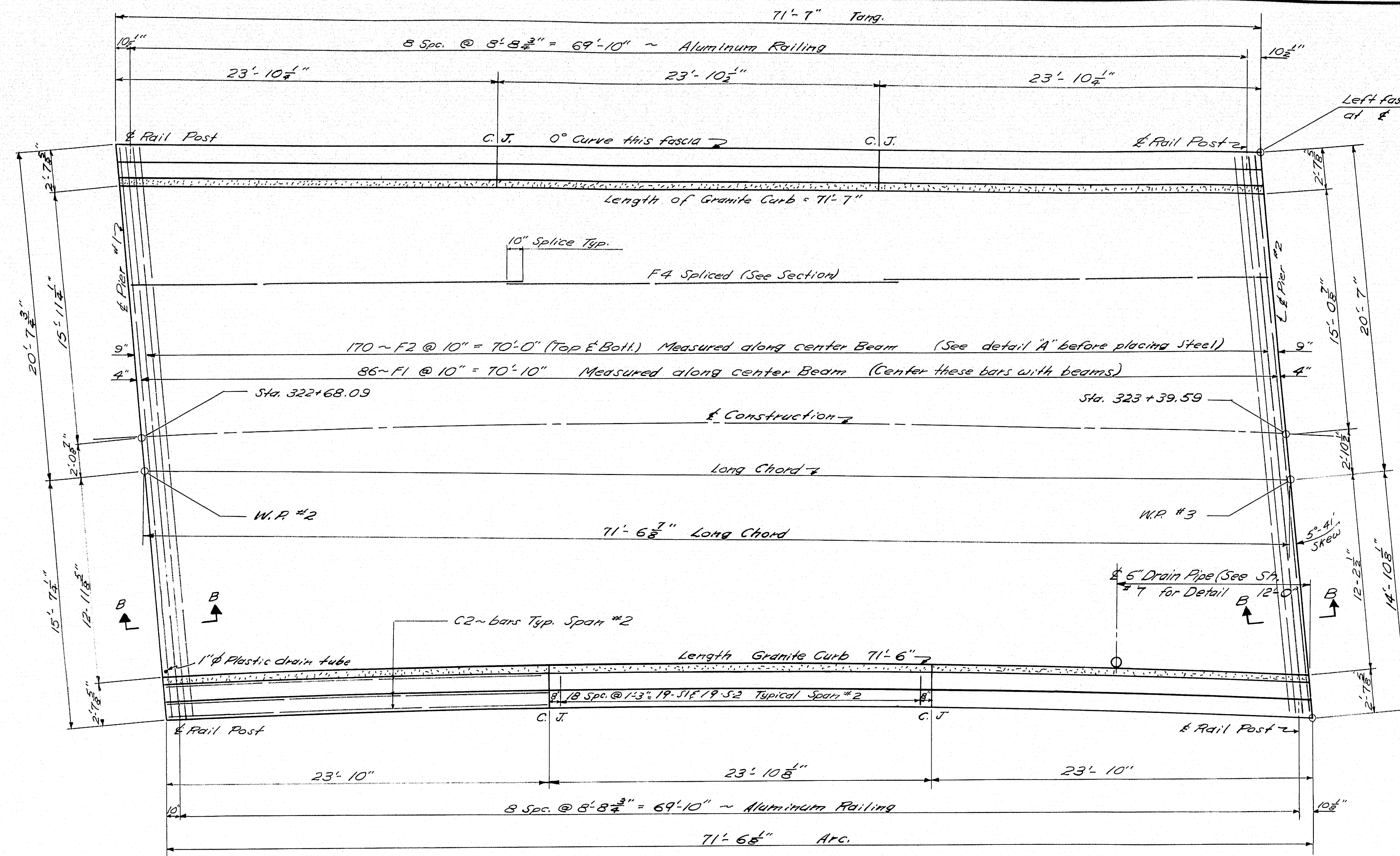
19



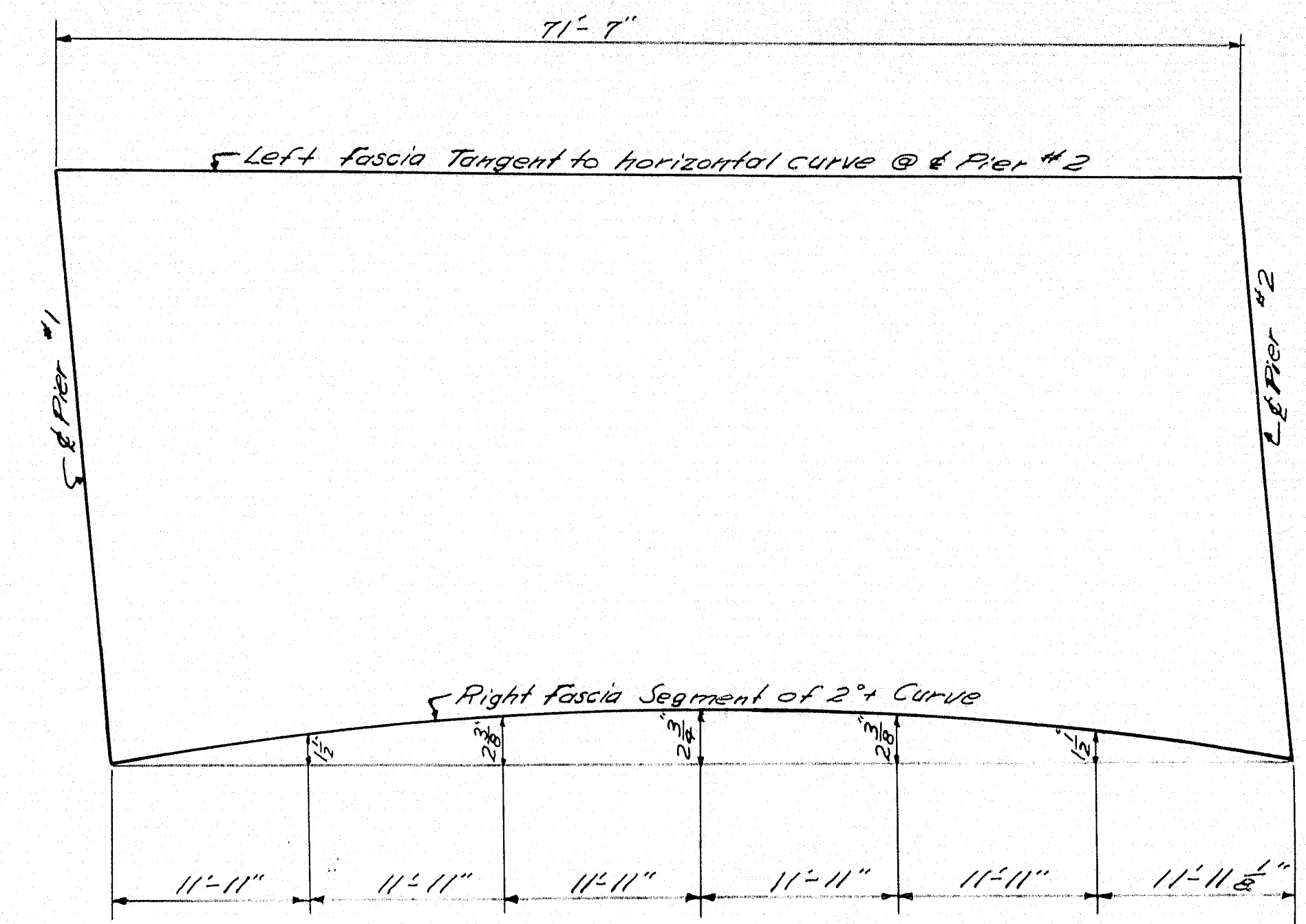




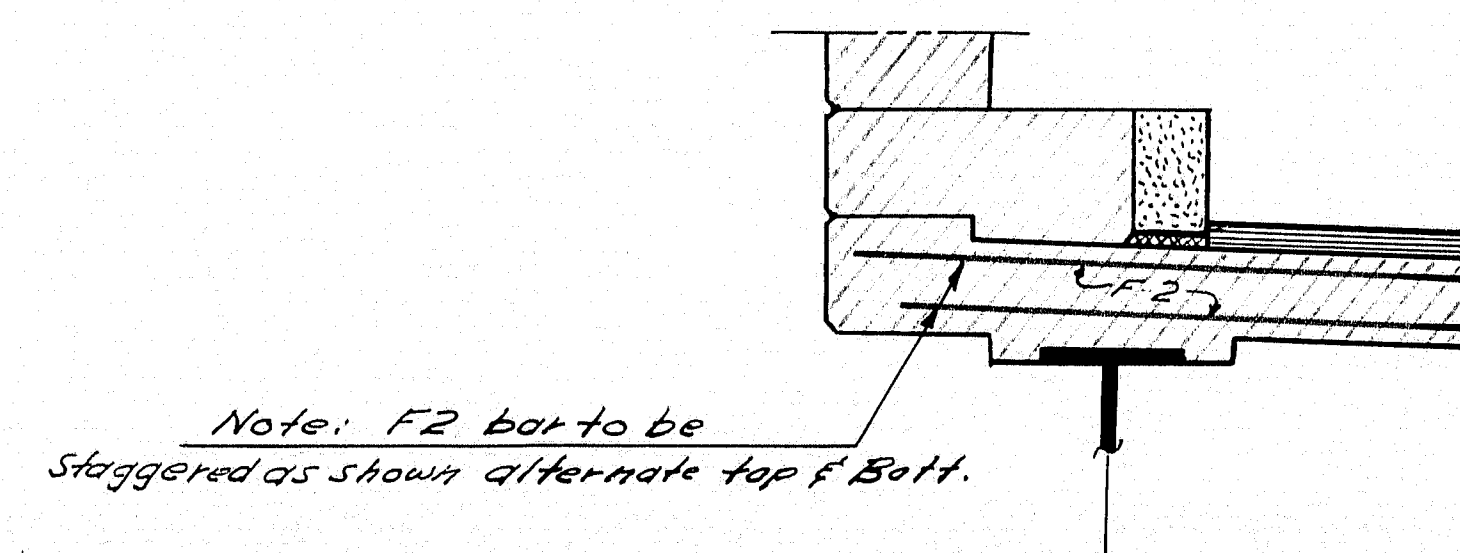




PLAN SPAN NO. 2



FASCIA LAYOUT



DETAIL 'A'

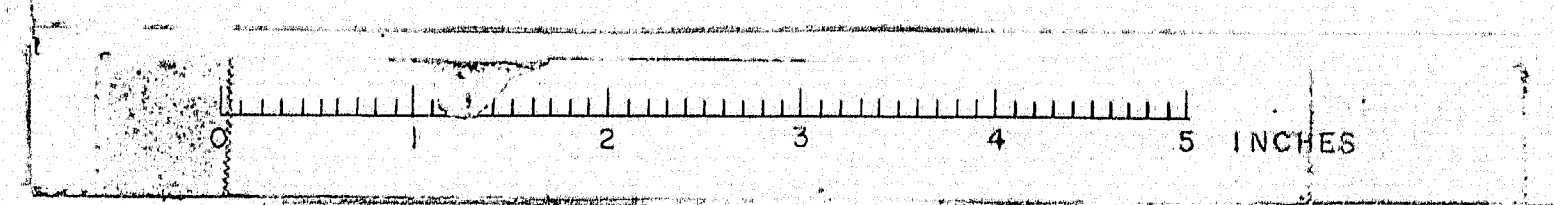
Section B-B: see Sh. 10.

DESIGN - Coffin, DRYAN, Darity	BRIDGE NO.
TRACE - LYON	SURVEY -
CHECK - DRESELY	PLOT -
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
ROUTE NO. 100 BRIDGE OVER	
INTERSTATE NO. 95 IN THE TOWN OF	
PALMYRA, SOMERSET COUNTY	
SUPERSTRUCTURE SPAN 2	

SHEET 11 OF 15 AUGUSTA, MAINE June 1962

M-1900F

(2)

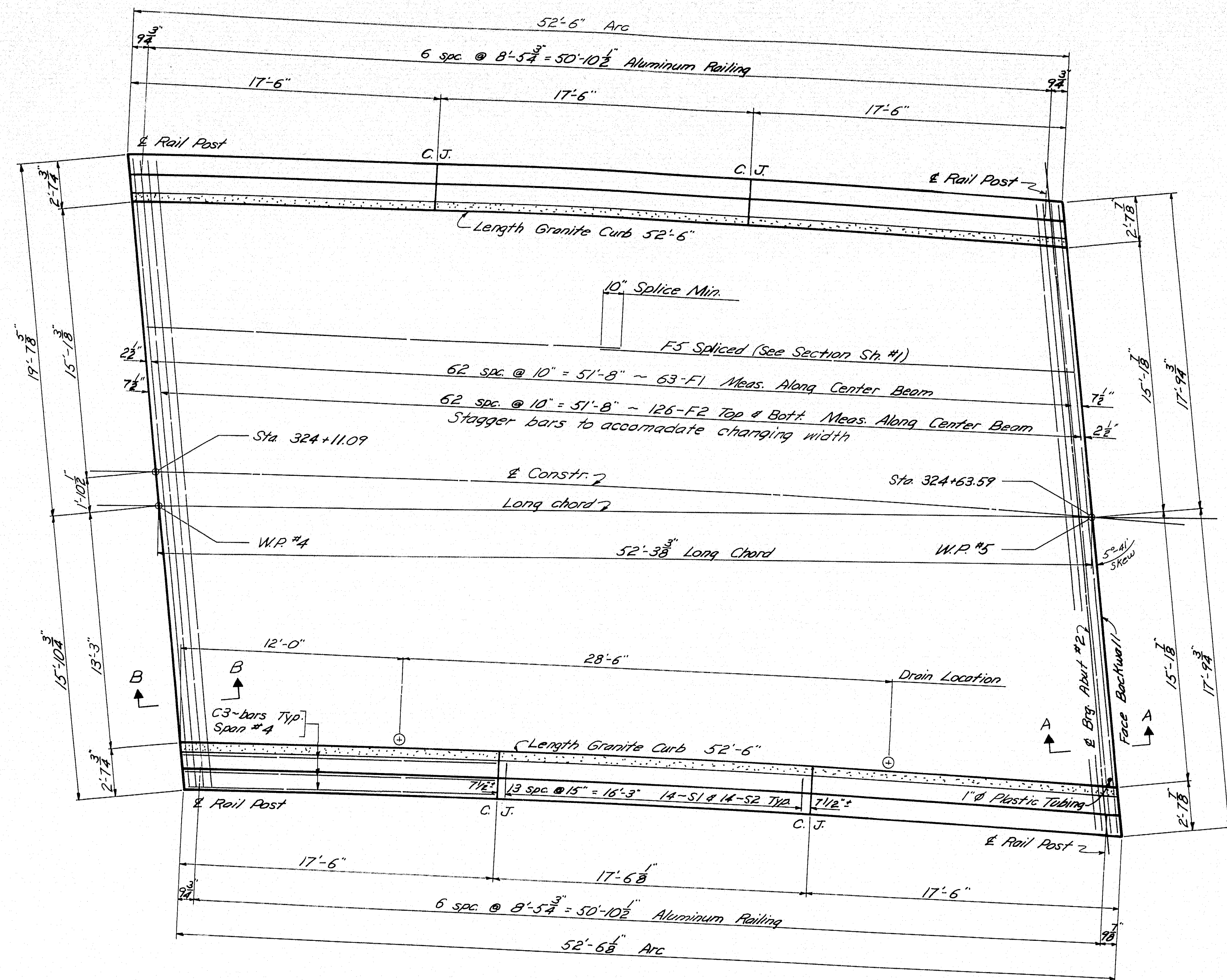




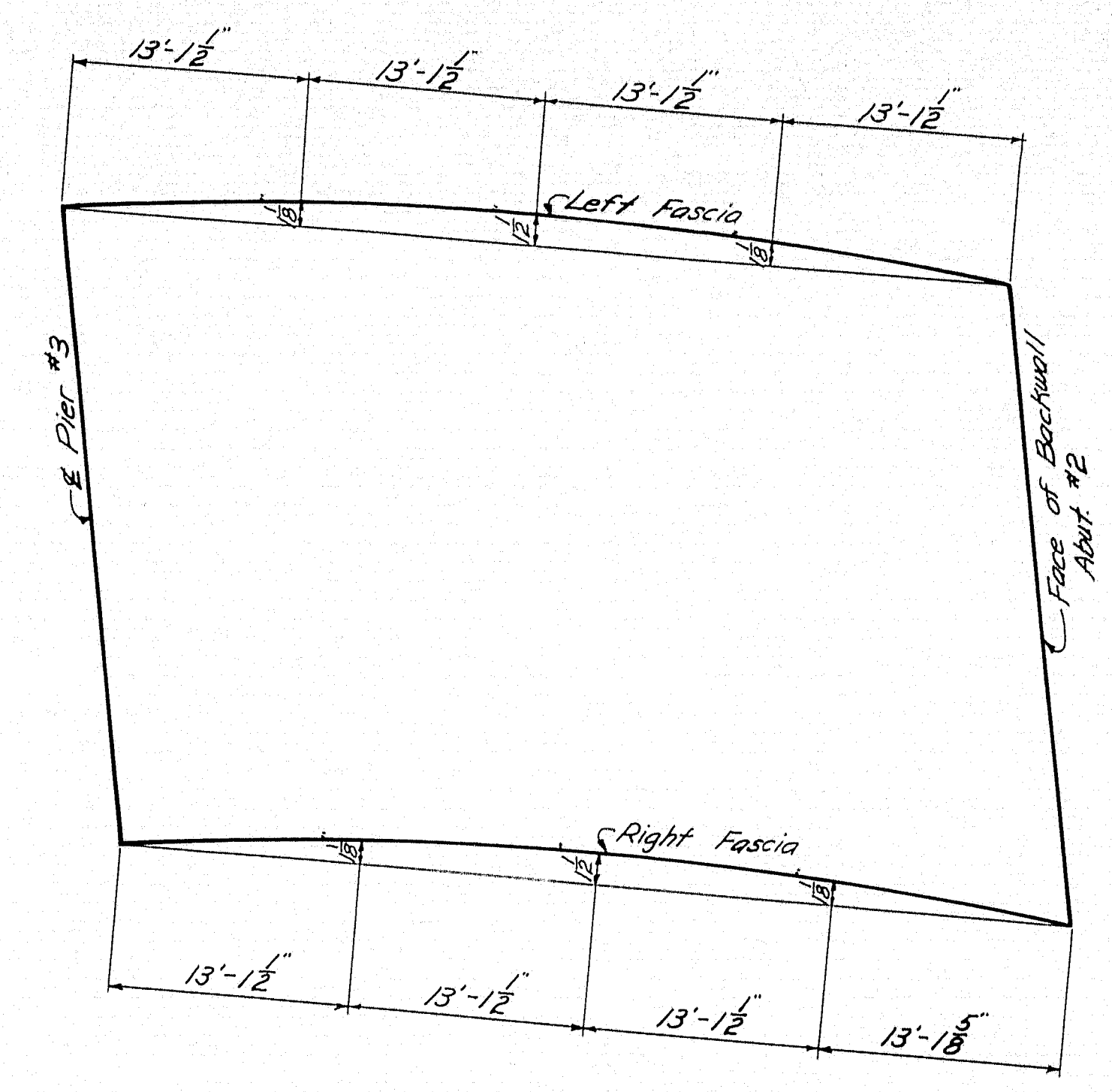




D. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	I-95-PL291	23	68



PLAN SLAB SPAN No. 4

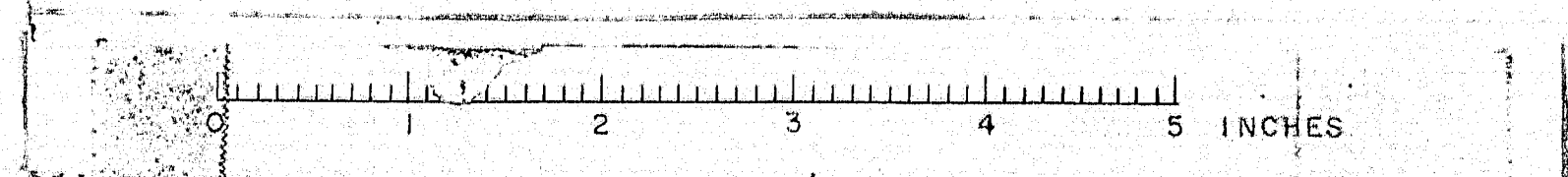


FASCIA LAYOUT

Sects. A-A and B-B: see Sh. 10.

DESIGN- <i>Goffin Deh-Dority</i>	BRIDGE NO.
TRACE- <i>R.D.G.</i>	SURVEY- <i>PLOT</i>
CHECK- <i>DRESELLY</i>	
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
ROUTE NO. 100 BRIDGE OVER INTERSTATE NO. 95 IN THE TOWN OF PALMYRA, SOMERSET COUNTY	
SUPERSTRUCTURE SPAN 4	
SHEET 13 OF 15 AUGUSTA, MAINE June 1962	

M-1900H



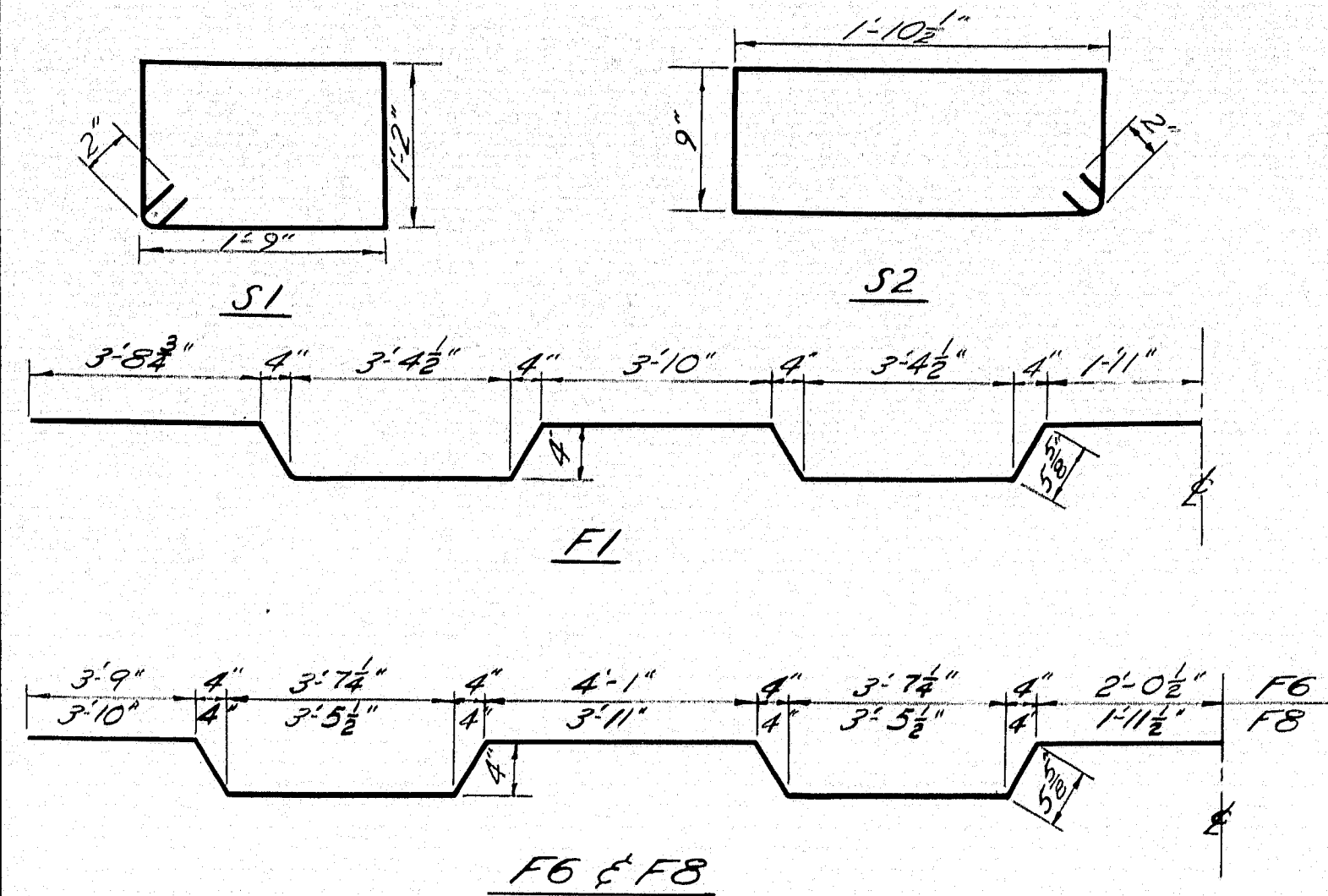






# REINFORCING STEEL SCHEDULE

## SUPERSTRUCTURE



All dimensions are measured to E of bar.

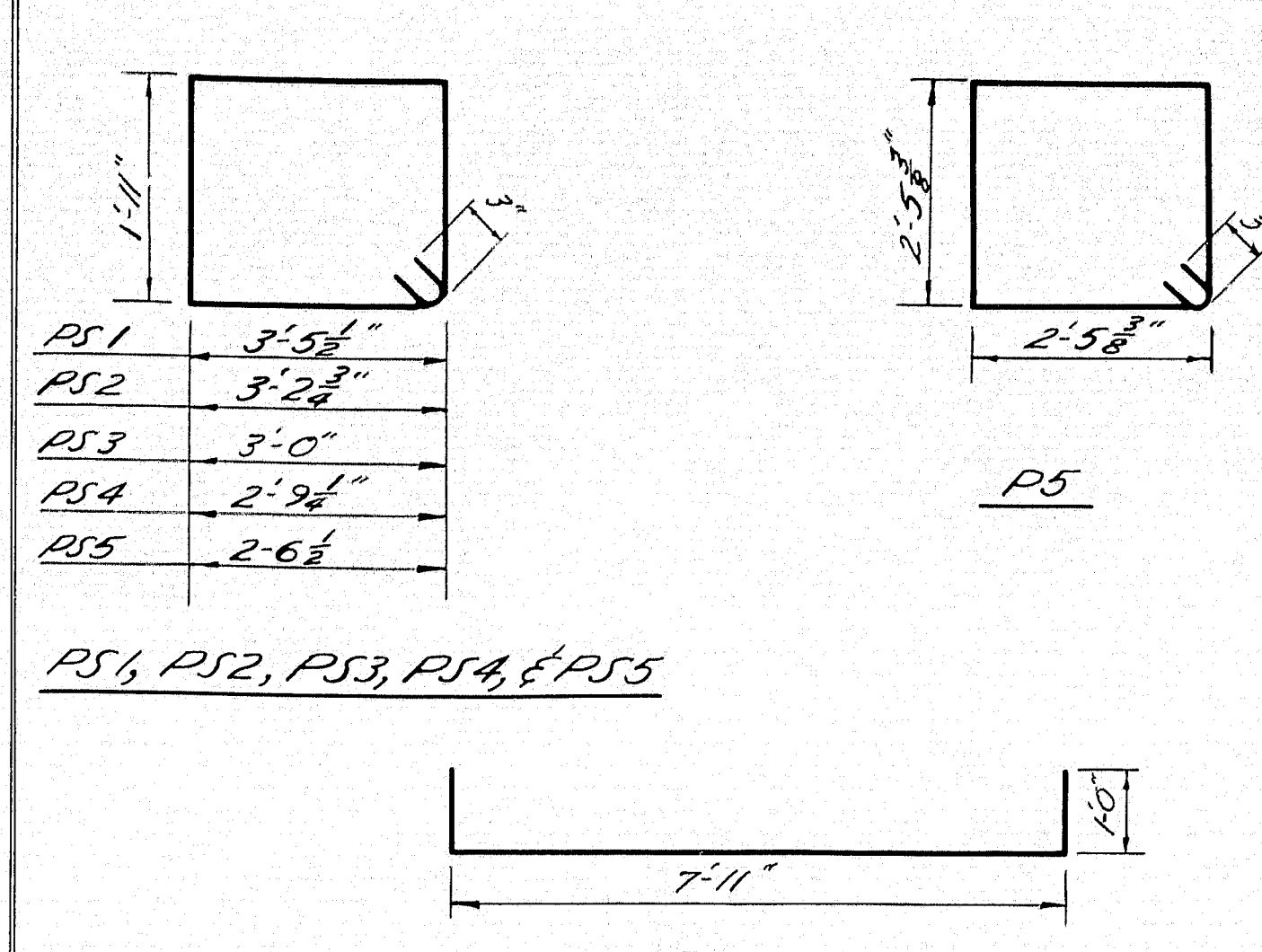
## BENT BARS

MARK	SIZE	NO.	LENGTH	LOCATION
S1	#4	408	6'-2"	Curbs - All spans
S2	#4	408	5'-7"	Trail Parapet - All spans
F1	#5	235	36'-4"	Slab spans 2, 3, & 4
F6	#5	39	37'-10 1/2"	Slab span 1
F8	#5	36	37'-0"	Slab span 1

## STRAIGHT BARS

MARK	SIZE	NO.	LENGTH	LOCATION
F2	#5	466	35'-7"	Slab spans 2, 3, & 4
F3	#5	110	30'-6"	Slab span 1 (Spliced)
F4	#5	330	24'-3"	Slab spans 2, 3, & 4 (Spliced)
F5	#5	110	26'-6"	Slab span 4 (Spliced)
F7	#5	76	36'-11"	Slab span 1
F9	#5	72	35'-11"	Slab span 1
C1	#4	30	19'-10"	Curbs Span 1
C2	#4	60	23'-6"	" " 2 & 3
C3	#4	30	17'-2"	" " 4

## PIERS



All dimensions are measured to E of bar.

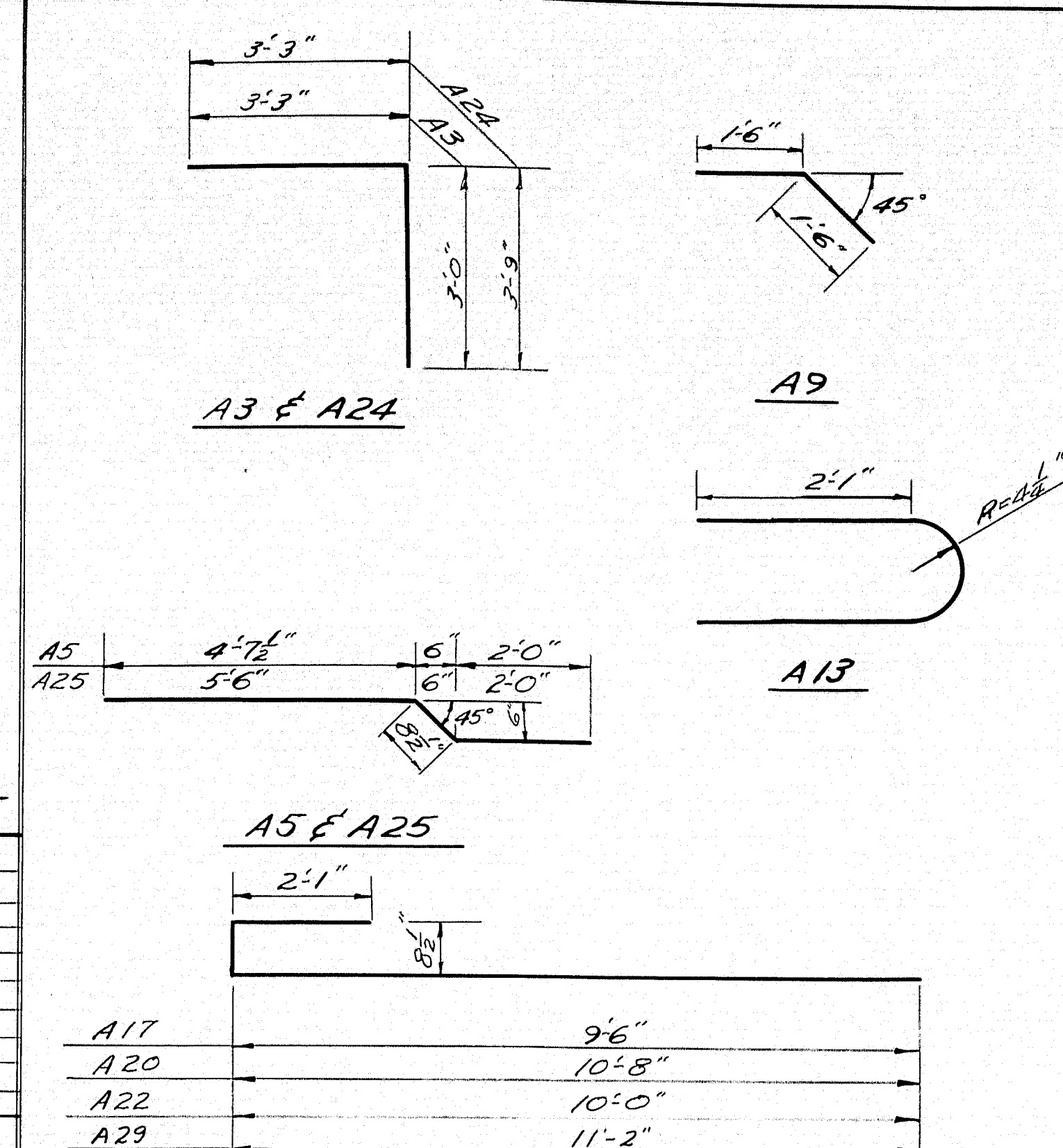
## BENT BARS

MARK	SIZE	NO.	LENGTH	LOCATION
PS1	#4	168	11'-3"	Pier Caps
PS2	#4	12	10'-10"	"
PS3	#4	12	10'-4"	"
PS4	#4	12	9'-11"	"
PS5	#4	12	9'-5"	Pier Caps
P1	#9	162	9'-11"	Pier Footings
P5	#5	180	10'-4"	Columns

## STRAIGHT BARS

MARK	SIZE	NO.	LENGTH	LOCATION
P2	#9	12	24'-3"	Pier 1 - Column 1
P3	#9	12	23'-5"	Pier 2 - Column 1
P4	#9	12	21'-5"	Pier 3 - Column 1
P6	#9	12	24'-9"	Pier 1 - Column 2
P7	#9	12	23'-11"	Pier 2 - Column 2
P8	#9	12	21'-11"	Pier 3 - Column 2
P9	#9	108	4'-9"	Dowels - Figs. to Columns
P10	#9	12	25'-3"	Pier 1 - Column 3
P11	#9	12	24'-5"	Pier 2 - Column 3
P12	#9	12	22'-6"	Pier 3 - Column 3
P14	#10	12	11'-0"	Pier Caps
P15	#10	24	19'-1"	"
P16	#6	24	18'-0"	"
P17	#7	18	18'-2"	"
P18	#7	6	20'-0"	" : bend in field

## ABUTMENTS



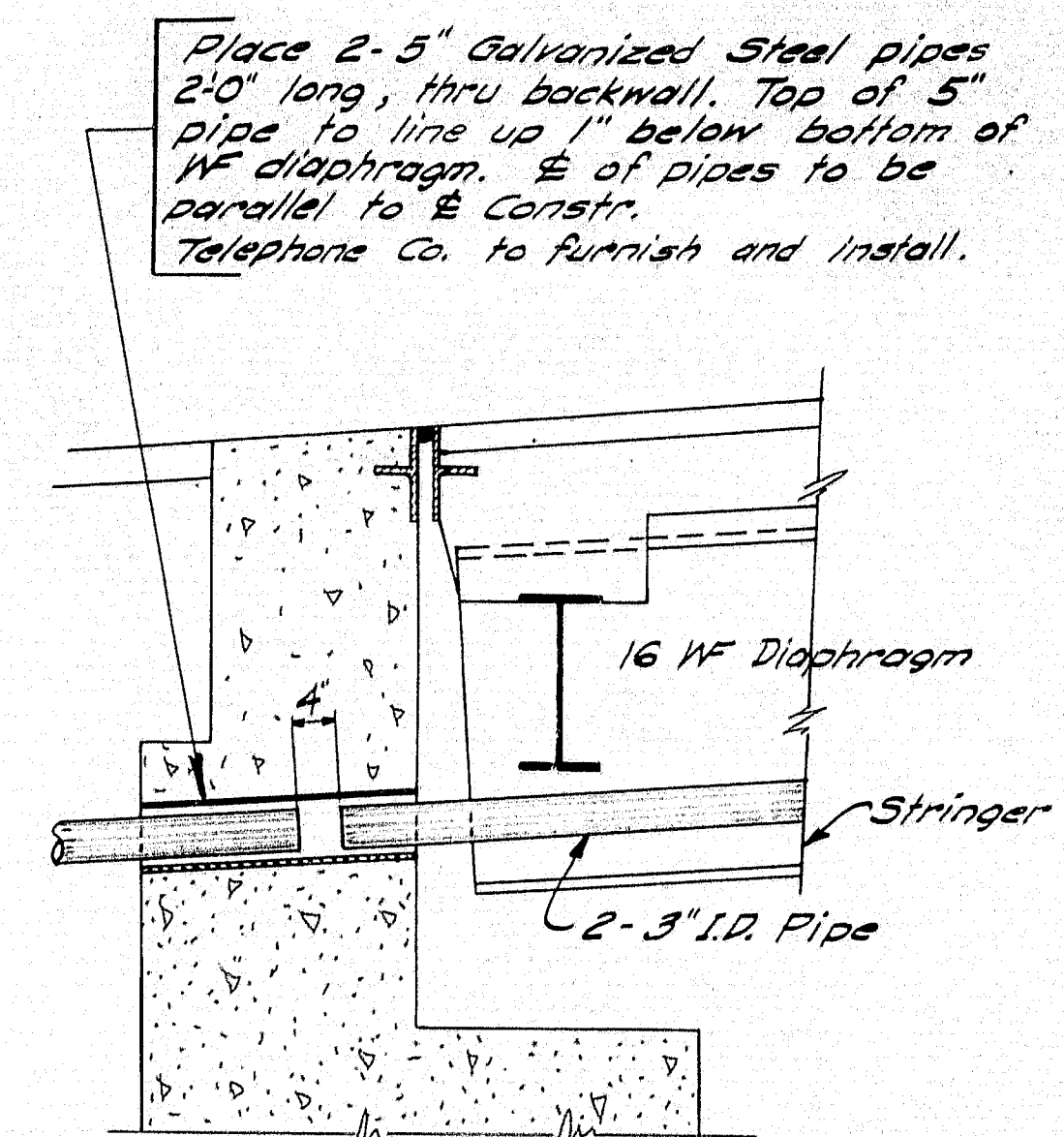
All dimensions are measured to E of bar.

## BENT BARS

MARK	SIZE	NO.	LENGTH	LOCATION
A3	#5	22	6'-3"	Bridge Seats Abutment #1
A5	#5	22	7'-4"	Back wall Abut. 1
A9	#5	42	3'-0"	Abut. to Appro. Slabs Abut. 1 & 2
A13	#5	12	5'-3"	End Wings - Both Abutments
A17	#5	8	12'-4"	Wing - Abut. No. 1
A20	#5	8	13'-6"	Wing - Abut. No. 1
A22	#5	8	12'-10"	Right Wing - Abut. No. 2
A24	#5	21	7'-0"	Bridge Seat - Abut. No. 2
A25	#5	21	6'-3"	Back wall - Abut. No. 2
A29	#5	8	14'-0"	Left Wing - Abut. No. 2

## STRAIGHT BARS

MARK	SIZE	NO.	LENGTH	LOCATION
A1	#6	12	21'-2"	Footings - Abut. 1
A2	#6	62	5'-3"	Footings - Both Abuts.
A4	#5	43	5'-5"	Back wall - Both Abuts.
A6	#5	12	37'-9"	Abut. 1
A7	#6	43	5'-0"	Back wall to Footing - Both Abuts.
A8	#6	4	37'-9"	Abut. 1
A10	#6	20	14'-8"	Footings - Both Abuts.
A11	#6	40	4'-2"	Footings - Both Abuts.
A12	#6	58	11'-3"	Wings - Both Abuts.
A14	#5	8	2'-0"	End Wings - Both Abuts.
A15	#6	34	13'-0"	Wings - Both Abuts.
A16	#6	64	4'-3"	Footing to Wing - Both Abuts.
A18	#5	8	9'-8"	Left wing - Abut. 2
A19	#5	8	8'-0"	Wing - Abut. 1
A21	#5	8	9'-2"	Wing - Abut. 1
A23	#5	8	8'-6"	Rt. Wing - Abut. 2
A26	#6	12	19'-10"	Footings - Abut. 2
A27	#5	14	35'-3"	Abut. 2
A28	#6	4	35'-3"	Bridge Seat - Abut. 2

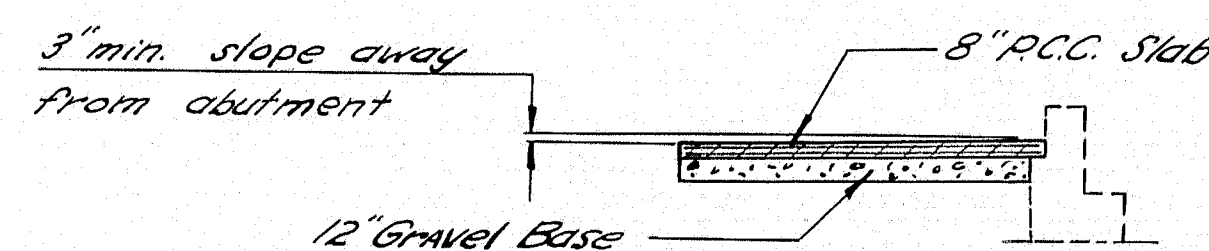
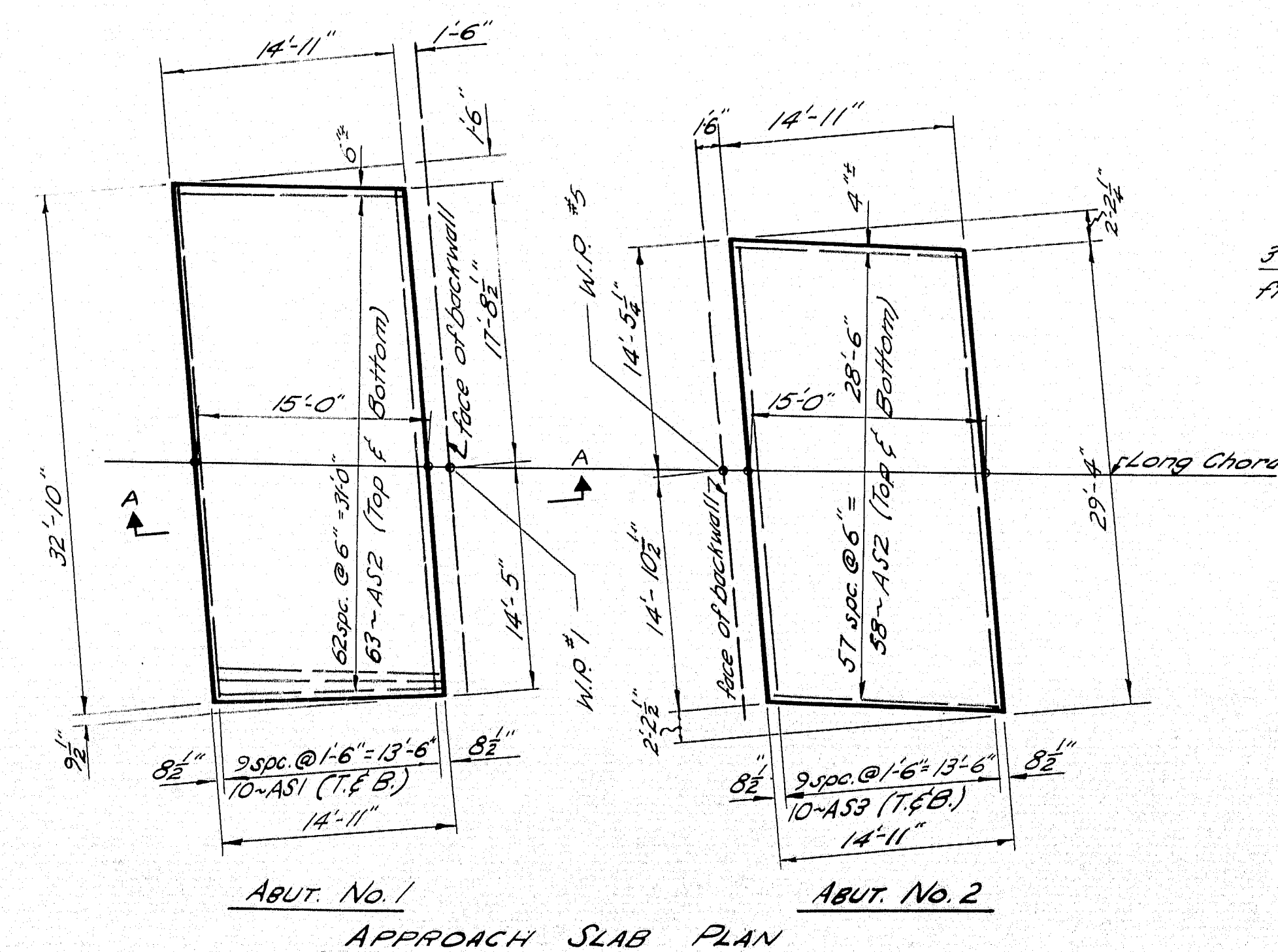


**SLEEVE DETAIL**  
Abut. #1 Shown, Abut. #2 Similar

## APPROACH SLABS

## STRAIGHT BARS

MARK	SIZE	NO.	LENGTH	LOCATION
AS1	#4	20	31'-9"	Approach Slab - Abut. 1
AS2	#6	242	14'-8"	Both Approach Slabs
AS3	#4	20	29'-0"	Approach Slab - Abut. 2



**SECTION A-A**

NOTES: 1. Reinforcing Steel to be 1" clear top & bottom.  
2. Payment for concrete in approach slabs to be made under Item 701-33, Portland Cement Concrete, Abutments and Retaining Walls.

NOTE: Reinforcing Steel to be of Intermediate Grade

DESIGN - H.D.P.R. DETAIL - Lyan  
TRACE - Lyan  
CHECK - M.C.R. [Pier] R.P. [Other]

BRIDGE NO.  
SURVEY  
PLOT

STATE HIGHWAY COMMISSION  
BRIDGE DIVISION

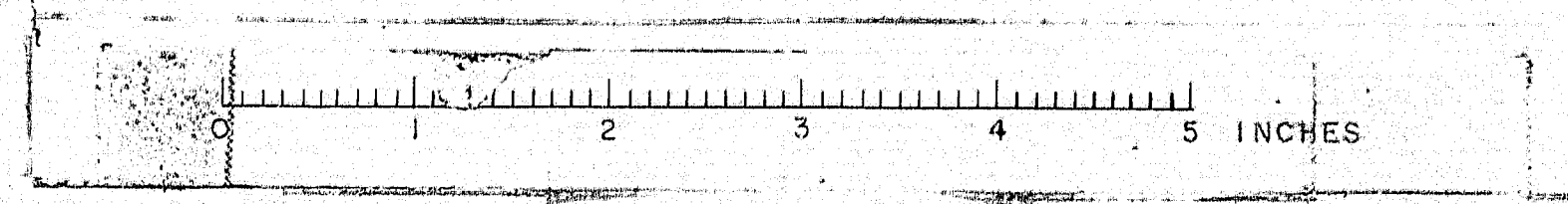
ROUTE NO. 100 BRIDGE  
OVER

INTERSTATE NO. 95  
IN THE TOWN OF

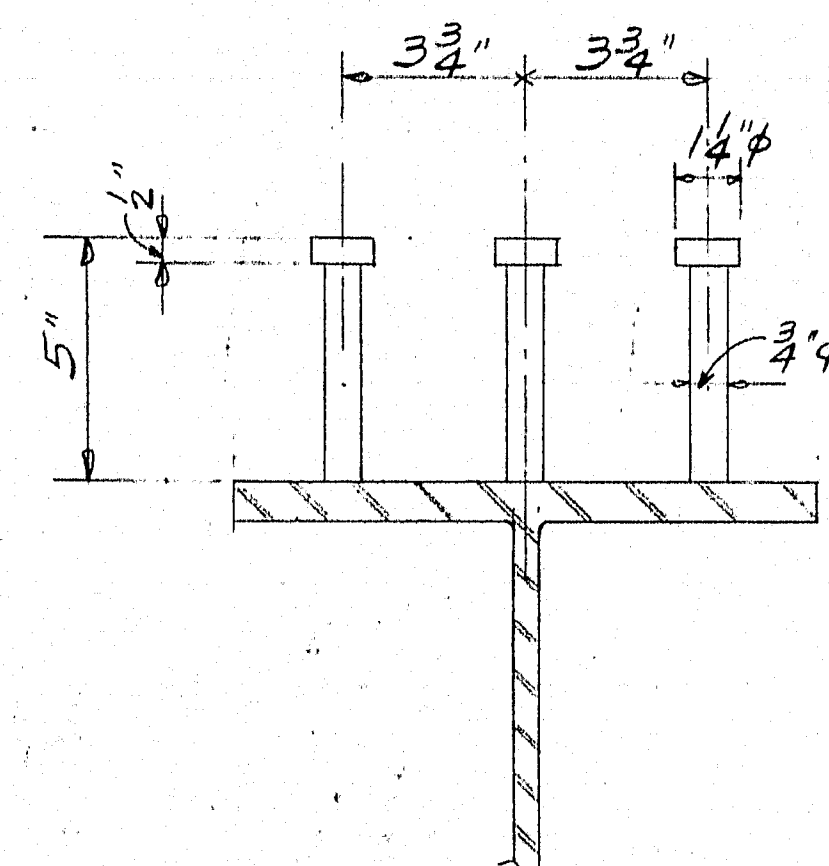
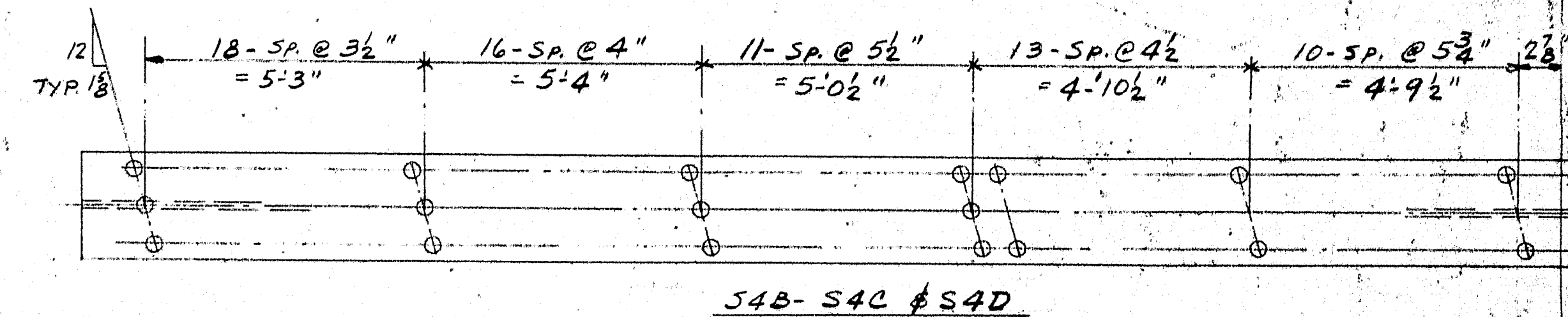
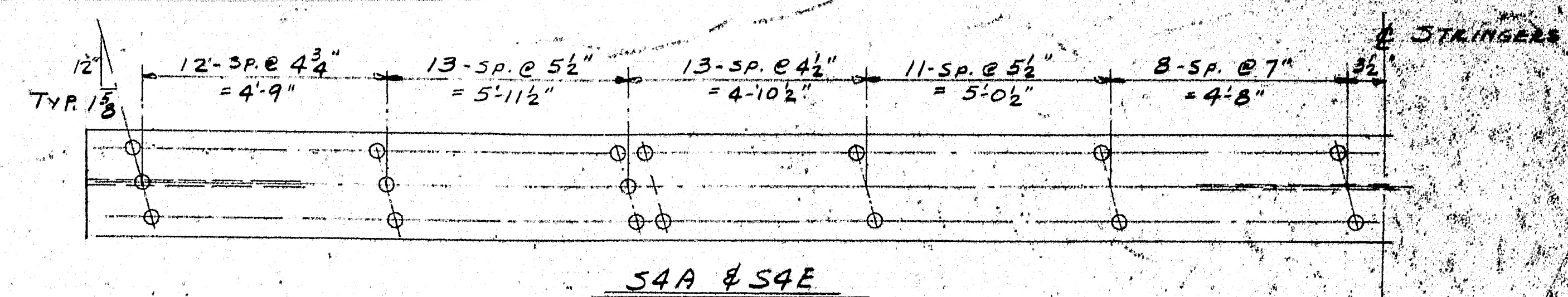
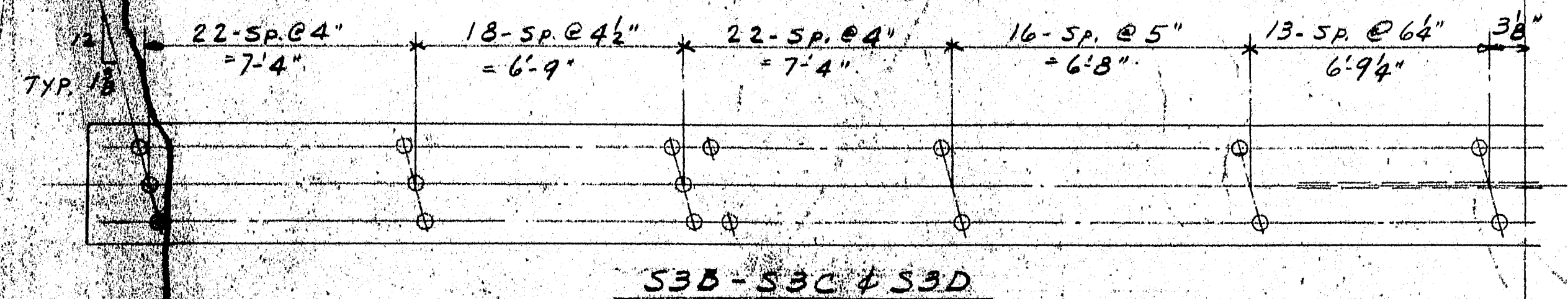
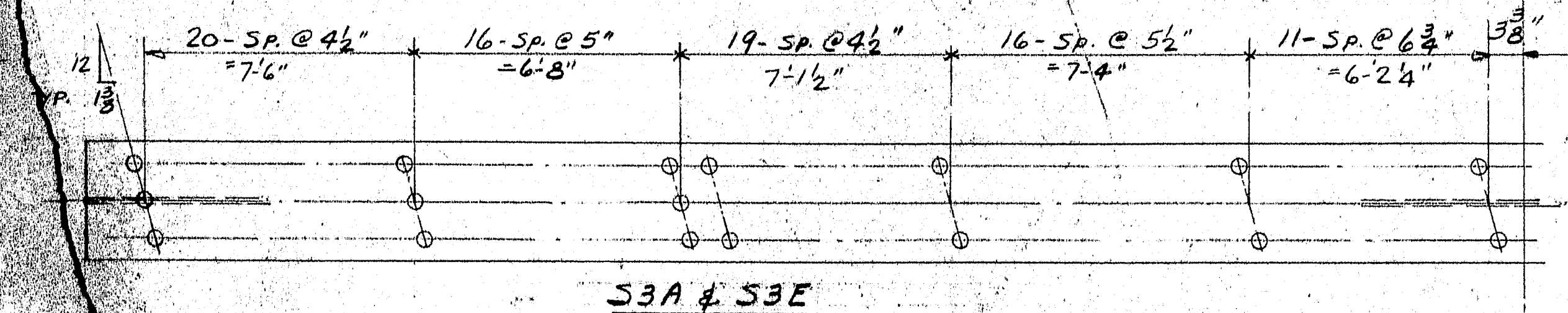
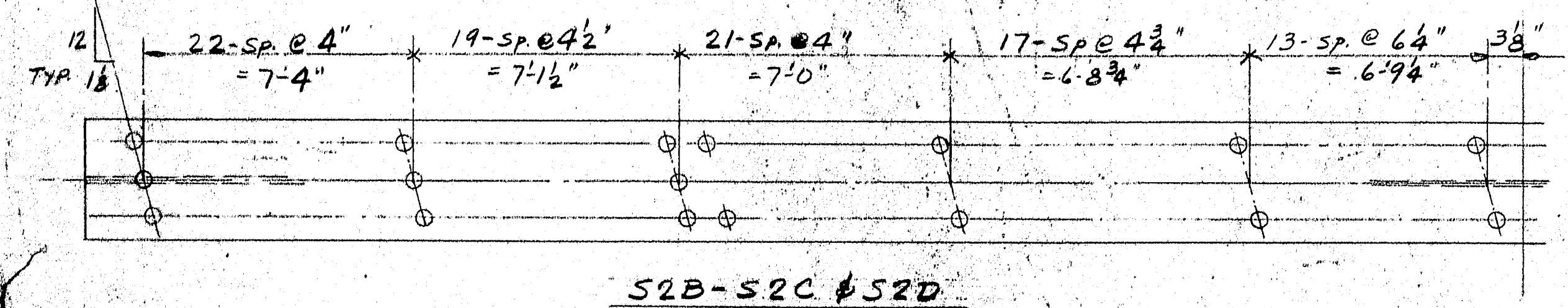
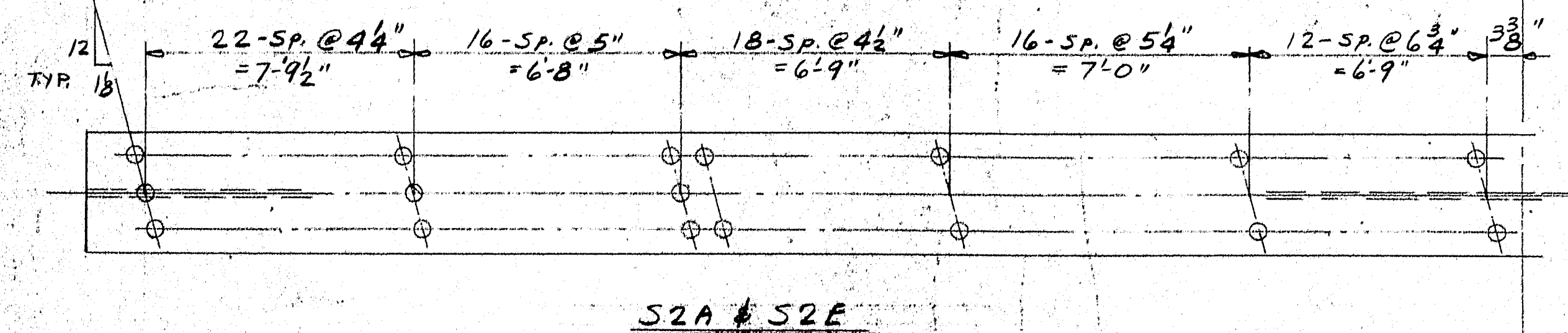
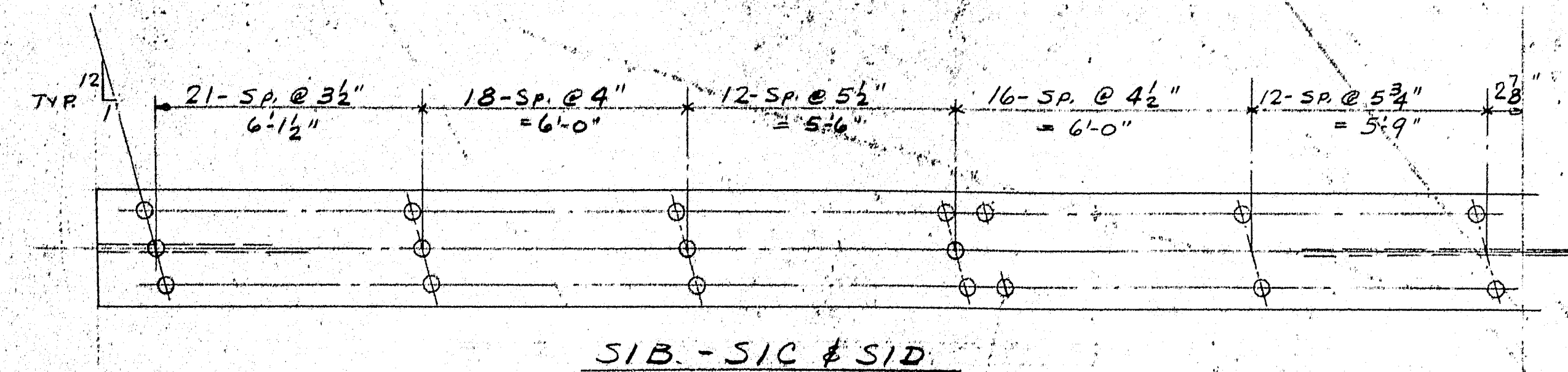
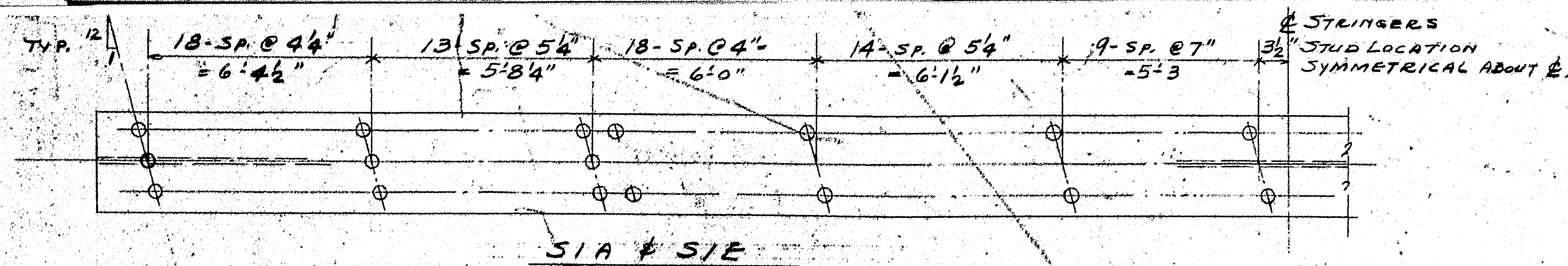
PALMYRA, SOMERSET COUNTY  
REINFORCING STEEL SCHEDULE B  
APPROACH SLAB DETAILS

SHEET 15 OF 15 AUGUSTA, MAINE June 1962

M-1900J







SHOP CONNECTIONS: AUTOMATICALLY WELDED  
FIELD CONNECTIONS: \_\_\_\_\_  
HOLES: \_\_\_\_\_  
PAINT: \_\_\_\_\_

APPROVED 10-12-62

STUD LOCATIONS	
PRINT ISSUE	Bancroft & Martin Rollings Mills Company Brewer, Maine
5 ERECT 10-18-62	ROUTE #100 BRIDGE OVER INTER #95
5 SHOP 10-18-62	PALMYRA - NEWPORT MAINE
2 F.A. 10-10-62	CUSTOMER REED & REED
DRAWN 10-8-62 G.M.	DESIGNER STATE HIGHWAY COMM.
REVISION	ORDER VERBAL
REVISION	DWG 862-237-S9

