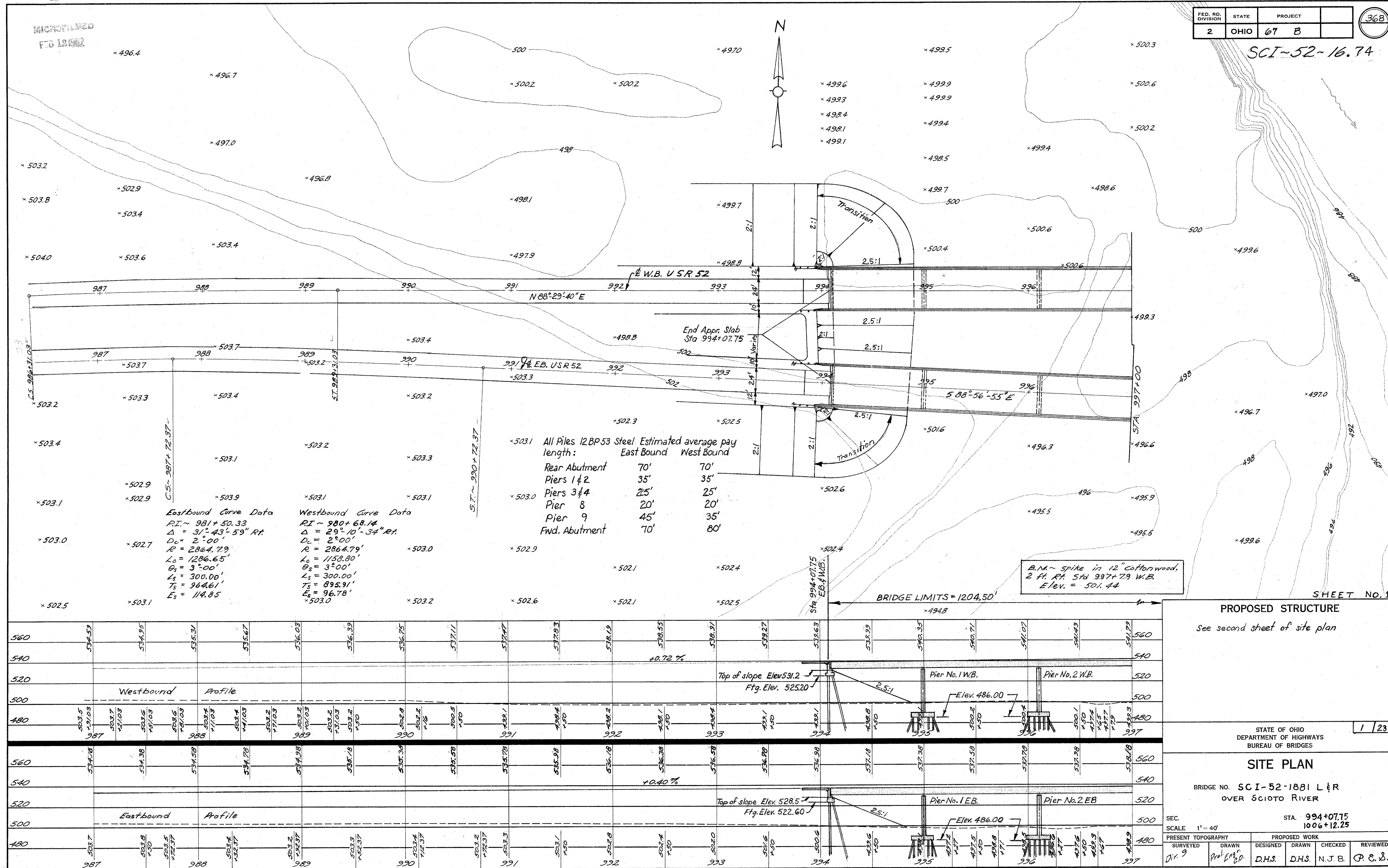


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FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	67 B	

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SCI-52-16.74



PROPOSED STRUCTURE

See second sheet of site plan

STATE OF OHIO
DEPARTMENT OF HIGHWAYS
BUREAU OF BRIDGES

SITE PLAN

BRIDGE NO. SCI-52-1881 L & R
OVER SCIOTO RIVER

SEC. STA. 994+07.75
SCALE 1" = 40' 1006+12.25

PRESENT TOPOGRAPHY		PROPOSED WORK			
SURVEYED	DRAWN	DESIGNED	DRAWN	CHECKED	REVIEWED
D.H.S.	P.E.S.	D.H.S.	D.H.S.	N.J.B.	P.E.S.

04637

BFG 9-12-69

SCI-52-16.74

*491.4 At Portsmouth west corporation line

Westbound Curve Data

PI ~ 1009+61.64
 $\Delta = 6^\circ 21' 17''$
 $D_c = 1^\circ 00' 17''$
 $R = 5729.58$
 $L_c = 635.00$
 $T = 317.84'$
 $E = 8.81'$

NOTE:

Existing Dumped Rock Channel Protection in the vicinity of Pier No. 7 E.B. and Pier No. 8 W.B. shall be removed to the extent necessary for construction of the piers; the rock shall then be replaced to the original contours of the slope protection at Pier No. 7 E.B. and as shown at Pier 8 W.B.

EXISTING BRIDGE DATA SCI-52-1835

(3500' down stream)
TYPE: Through truss with concrete beam approach spans.
SPANS: 60.75'-4@326.75'-72.82' clear.
ROADWAY: 25'-0", 5' sidewalk on rt. side
LOADING: H-15
SKEW: None
CONDITION: DATE BUILT: 1915 To remain in place

1985 DESIGN TRAFFIC: EB P=8390, C=720
WB P=9130, C=700
DRAINAGE AREA = 6510 square miles

B.M. ~ Spike in 8" Maple, 4.5' above ground, 2 ft. Rt. Std. 1006+43 W.B.
Elev = 505.13

SHEET NO. 2

PROPOSED STRUCTURE

TYPE: Continuous welded steel girder with reinforced concrete deck and substructure.
SPANS: 890-3@111.5'-116.5'-4@137.5'-110.0' % bearings.
ROADWAY: 2@40'-0" parapets.
LOADING: HS 20-44.
SKEW: None
WEARING SURFACE: 1" monolithic concrete
APPROACH SLABS: AS-1-67 (25' long)
ALIGNMENT: Tangent
SUPERELEVATION: Transition (W.B.); None (E.B.)

SITE PLAN

BRIDGE NO. SCI-52-1881 L & R
OVER SCIOTO RIVER

SEC. 1" = 40'
STA. 994+07.75
1006+12.25

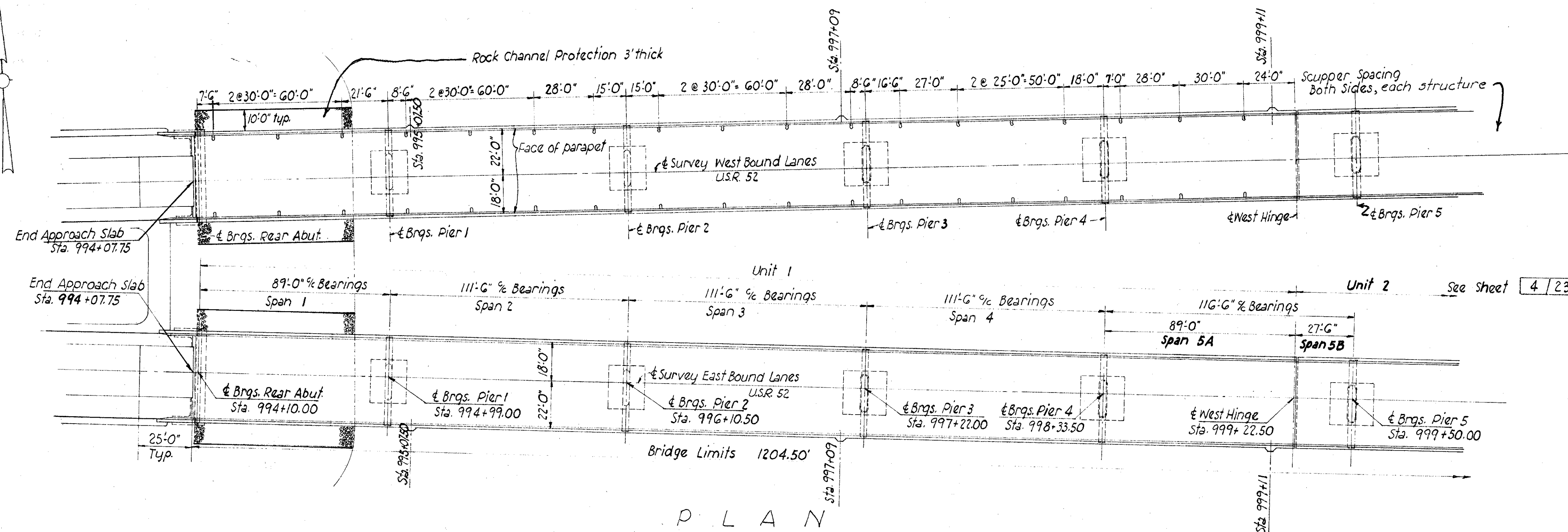
PRESENT TOPOGRAPHY		PROPOSED WORK			
SURVEYED	DRAWN	DESIGNED	DRAWN	CHECKED	REVIEWED
DR. 9	PR. 10	D.H.S.	D.H.S.	N.J.B.	P.C.B.

BFG 9-12-69

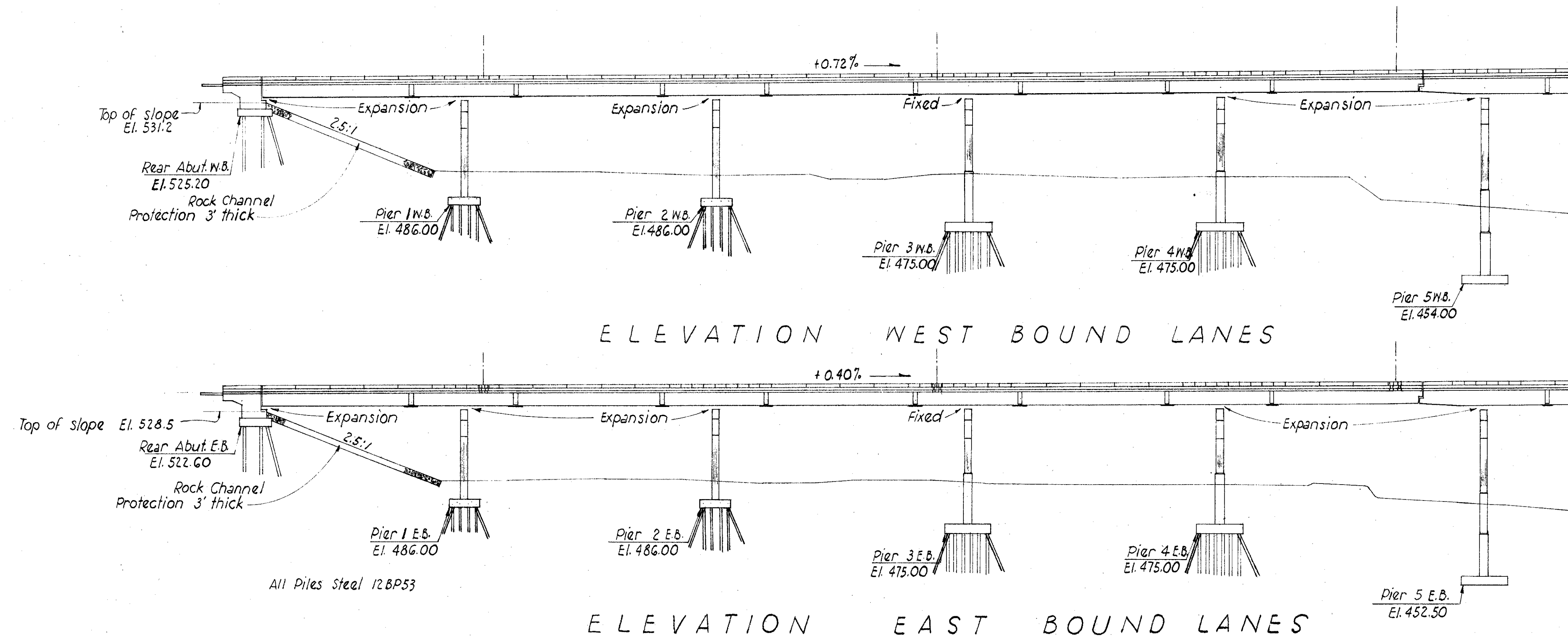
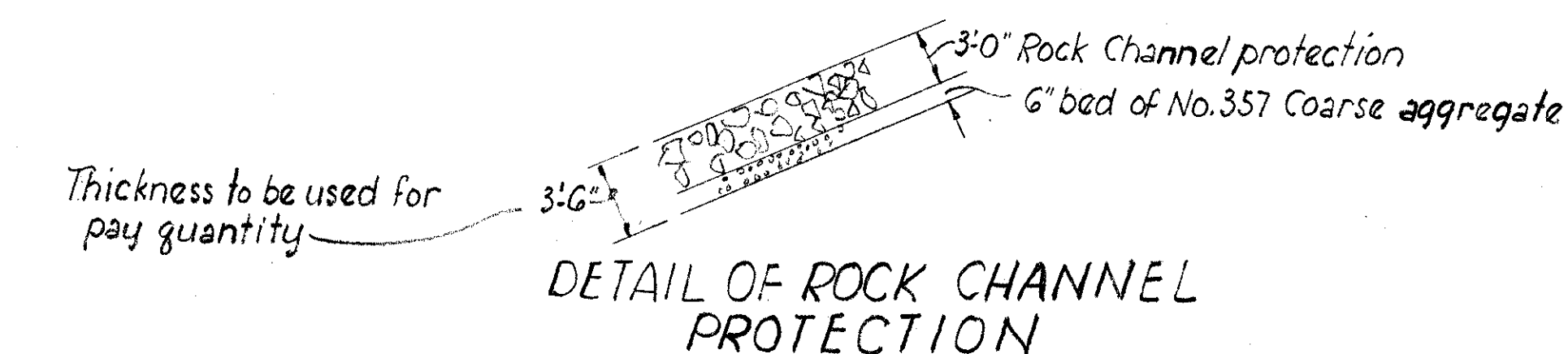
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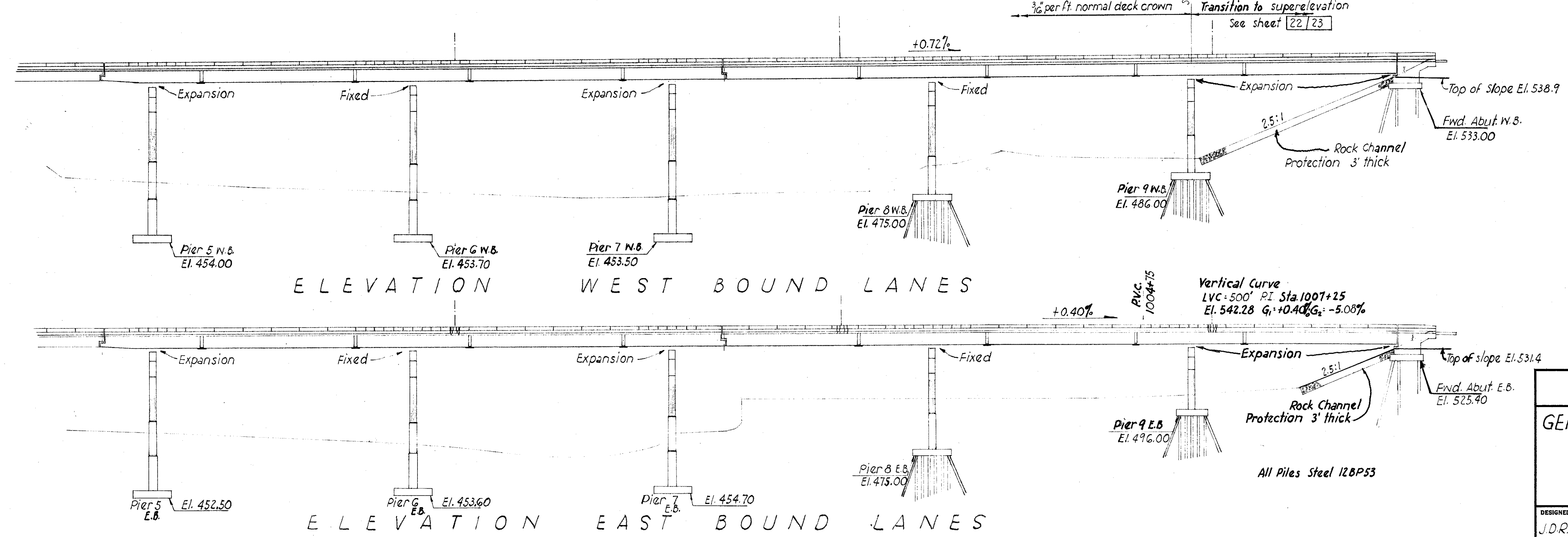
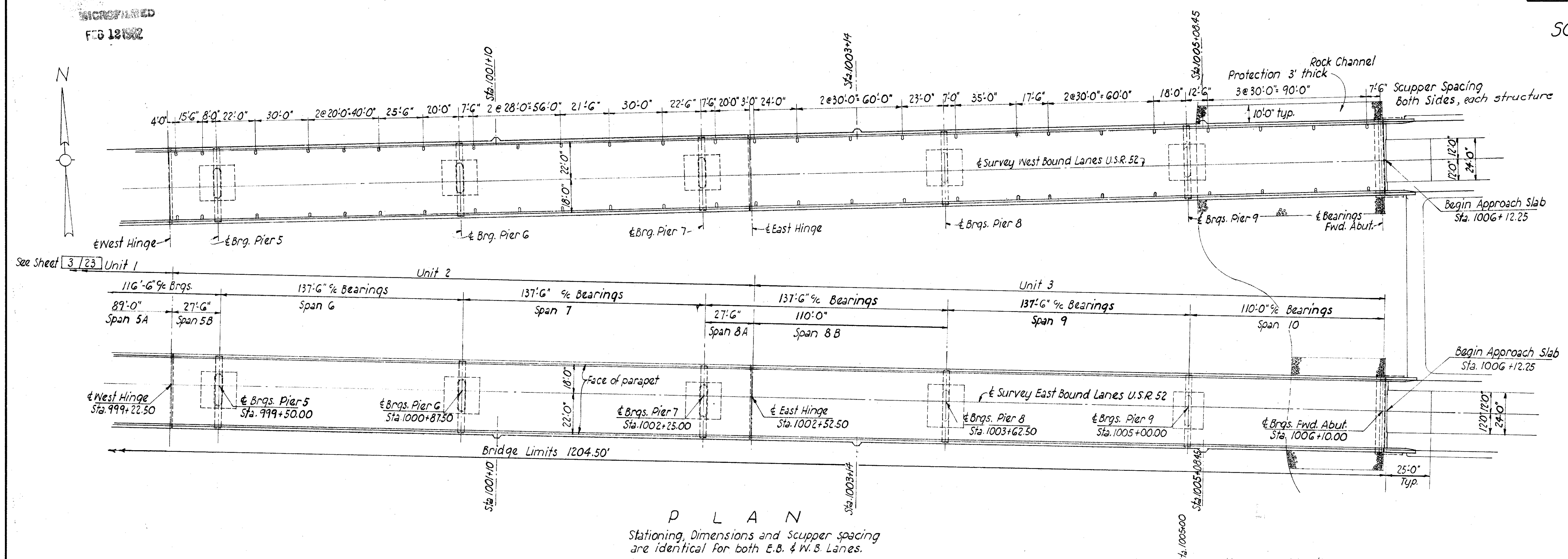


PLAN
Stationing, Dimensions and Scupper spacing
are identical for both E.B. & W.B. Lanes



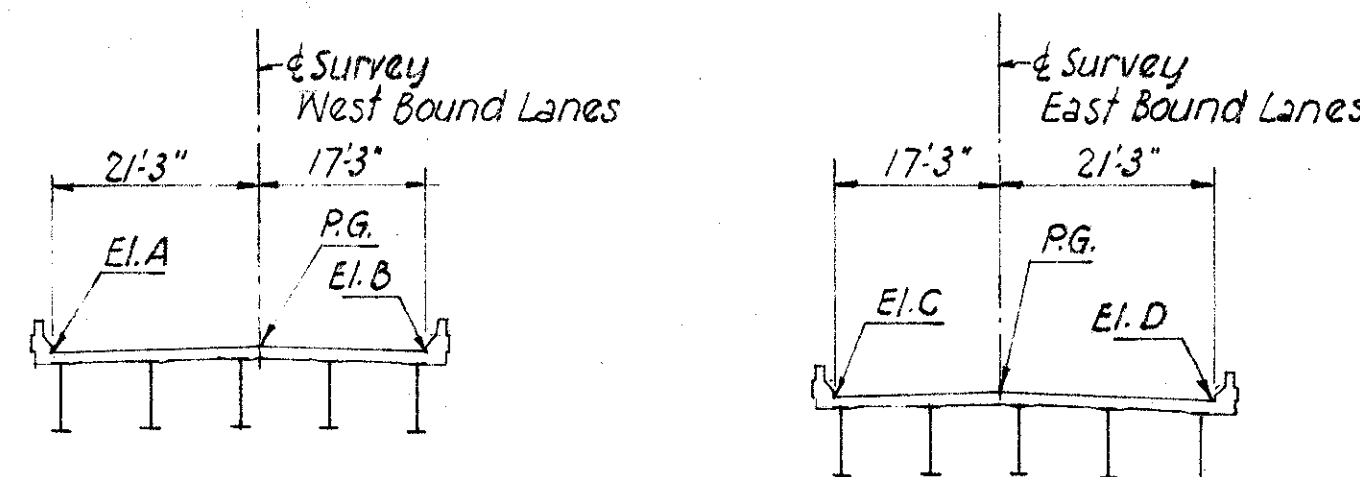
STATE OF OHIO DEPARTMENT OF HIGHWAYS DIVISION OF DESIGN AND CONSTRUCTION BUREAU OF BRIDGES						
GENERAL PLAN & ELEVATION SHEET 1						
BRIDGE NO. SCI-52-1881 L&R OVER SCIOTO RIVER						
DESIGNED J.D.R.	DRAWN J.D.R.	TRACED J.D.R.	CHECKED MPB	REVIEWED BFG	DATE 9-12-69	REVISED

SCI-52-16.74



STATE OF OHIO DEPARTMENT OF HIGHWAYS DIVISION OF DESIGN AND CONSTRUCTION BUREAU OF BRIDGES						
4 / 23						
GENERAL PLAN & ELEVATION SHEET 2						
BRIDGE NO. SCI-52-1881 L&R OVER SCIOTO RIVER						
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
J.D.R.	J.D.R.		MPB	BFG	9-12-69	

SCI-52-15.74



GUTTER ELEVATIONS (Prior to placing deck concrete)				
Station	E.I. A	E.I. B	E.I. C	E.I. D
994+25	539.51	539.57	536.84	536.78
+50	539.71	539.77	536.96	536.90
+75	539.87	539.93	537.04	536.98
995+00	540.02	540.08	537.11	537.05
+25	540.23	540.29	537.24	537.18
+50	540.43	540.49	537.36	537.30
+75	540.60	540.66	537.44	537.38
996+00	540.74	540.81	537.52	537.46
+25	540.93	541.00	537.62	537.56
+50	541.14	541.20	537.75	537.69
+75	541.33	541.39	537.86	537.80
997+00	541.48	541.54	537.93	537.87
+25	541.64	541.70	538.01	537.95
+50	541.85	541.91	538.14	538.08
+75	542.06	542.12	538.27	538.21
998+00	542.22	542.28	538.35	538.29
+25	542.36	542.42	538.41	538.35
+50	542.55	542.61	538.52	538.46
+75	542.76	542.82	538.65	538.59
999+00	542.93	542.99	538.74	538.68
+25	543.07	543.13	538.80	538.74
+50	543.26	543.32	538.91	538.85
+75	543.48	543.54	539.05	538.99
1000+00	543.69	543.75	539.18	539.12
+25	543.89	543.95	539.30	539.24
+50	544.03	544.09	539.36	539.30
+75	544.17	544.23	539.42	539.36
1001+00	544.35	544.41	539.52	539.46
+25	544.56	544.62	539.65	539.59
+50	544.76	544.82	539.77	539.71
+75	544.93	544.99	539.86	539.80
1002+00	545.09	545.15	539.93	539.87
+25	545.24	545.30	540.01	539.95
+50	545.42	545.48	540.12	539.06
+75	545.66	545.72	540.27	540.21
1003+00	545.85	545.91	540.38	540.32
+25	546.01	546.07	540.46	540.40
+50	546.15	546.21	540.52	540.46
+75	546.33	546.39	540.62	540.56
1004+00	546.55	546.61	540.76	540.70
+25	546.76	546.82	540.89	540.83
+50	546.92	546.98	540.97	540.91
+75	547.07	547.13	541.04	540.98
1005+00	547.22	547.28	541.08	541.02
+25	547.44	547.52	541.12	541.06
+50	547.64	547.76	541.06	541.00
+75	547.82	548.00	540.92	540.86
1006+00	547.96	548.24	540.68	540.62

GENERAL NOTES

REFERENCE: shall be made to Standard Drawings SD-1-65 sheets 1 and 2 dated 11-8-65, BR-1-67 sheet 1 dated 2-1-68 and RB-1-55 revised 2-2-59 and to Supplemental Specifications 808, 811, 825, 927 dated 1-1-69.

DESIGN SPECIFICATIONS: This structure conforms to "Standard Specifications for Highway Bridges" adopted by the American Association of State Highway Officials, 1965 including the Ohio "Supplement" to these specifications.

DESIGN DATA:

Design Loading - HS 20-44
Concrete Class C - unit stress 1200 p.s.i. for superstructure
unit stress 1333 p.s.i. for substructure
Structural Steel ASTM A36 unit stress 20,000 p.s.i.
Reinforcing Steel ASTM A615, A616, or A617-unit stress 20,000 p.s.i.

PROCEDURE: Before construction is started on the abutments or piers 1 E.B., 1 W.B. and 9 W.B. the embankments shall be completed to the subgrade elevation for a minimum distance of 200 feet back of the abutments.

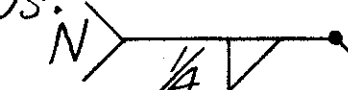
PREBORING: The Contractor may, if he elects, prebore holes for the piles through the embankment to the existing ground lines before driving the abutment piles. If this is so elected, it shall be done at no additional cost to the State.

PILES shall be driven to firm contact with bedrock. If the length of penetration is approximately equal to the depth of bedrock according to the bridge foundation investigation report, the firm contact shall be considered as attained when the capacity according to the formula in 507.05 is not less than 55 tons per pile using a hammer with an energy rating of 11,000 ft. lbs or more. The design load for the piles is 45 tons per pile.

FOUNDATION BEARING PRESSURE: Piers 5 E.B., 5 W.B., 6 W.B., 6 E.B., 7 E.B. & 7 W.B. are designed for a maximum bearing pressure of 5.5 tons per square foot.

FOOTINGS: See note on sheet 10/23

WELDS on non-stress carrying members are shown thus:



END DAM PAINTING: Portions of the end dams, including intermediate end dams at hinges, which will be in contact with steel or concrete shall not be painted. All other portions shall be cleaned and painted in accordance with 514.

SEQUENCE OF PLACING DECK CONCRETE: The procedure for placing deck concrete shall conform to 511.09 except that placement of span 5A shall precede span 4 and placement of span 8B shall precede span 9.

POROUS BACKFILL 1.5 feet thick full length of abutments shall extend up to the subgrade or to the finish ground surface.

SPLICES in No. 14 size reinforcing bars (necessary in order to replace field sample) shall be made by an approved positive mechanical method designed to develop 125% of the specified yield strength of the bar.

ADJUSTABLE TYPE ELBOWS meeting specification requirements for gage and coating are acceptable for making bends in corrugated metal pipe. Elbows and the stem of tees need not be perforated.

SCUPPERS: The 1 1/2" x 1/2" support bar shown on Standard Drawing SD-1-65 shall be omitted. Scuppers, including support angles, shall be galvanized.

ESTIMATED QUANTITIES									
Item	Total	Unit	Description	Super	Piers	Abuts	Gen'l	As-Built	
503	Lump	sum	Cofferdams, cribs and sheeting				Lump		
503	7202	Cu. yd.	Unclassified excavation		6940	262			
503	50	Cu. yd.	Shale excavation		50				
505	Lump	sum	First test pile				Lump		
507	15770	Lin. ft.	Steel piles, 12 BP53		11,130	4640			
509	1262029	Lb.	Reinforcing steel	873241	359893	28895			
511	3282	Cu. yd.	Class C concrete, superstructure	3282					
511	416	Cu. yd.	Class C concrete, abutments			416			
511	966	Cu. yd.	Class C concrete, pier footings		966				
511	2390	Cu. yd.	Class C concrete, piers above footings		2390				
513	3700000	Lb.	Structural steel	3700000					
514	3700000	Lb.	Field painting of structural steel	3700000					
518	82	Cu. yd.	Porous backfill			82			
518	138	Lin. ft.	6" Perforated helical C.M.P. including specials			138			
518	90	Lin. ft.	6" Non-perforated helical C.M.P. 70701			90			
518	176	Each	Scuppers, including supports (galvanized)	176					
601	3115	Cu. yd.	Rock channel protection, 3' thick, Type A				3115		
625			See sheet for lighting summary						
808	3282	Units	Water-reducing, set-retarding admixture	3282					
825	12314	Sq. yd.	Concrete surface treatment	12,214	100				

STATE OF OHIO DEPARTMENT OF HIGHWAYS DIVISION OF DESIGN AND CONSTRUCTION BUREAU OF BRIDGES					5	23
GENERAL NOTES, ESTIMATED QUANTITIES, & GUTTER ELEVATIONS						
BRIDGE NO. SCI-52-1881 L & R. OVER SCIOTO RIVER						
DESIGNED J.D.R.	DRAWN J.D.R.	TRACED	CHECKED MFB 7-3-69	REVIEWED BFG	DATE 9-12-69	REVISED

STATE OF OHIO DEPARTMENT OF HIGHWAYS DIVISION OF DESIGN AND CONSTRUCTION BUREAU OF BRIDGES					6 / 23	
REAR ABUTMENTS BRIDGE NO. SC1-52-1881 L&R OVER SCIOTO RIVER						
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISER
JDR.	JDR		MPB	BFG	9-12-69	

FORWARD ABUTMENT ELEVATIONS											
Abut	EI. A	EI. AA	EI. B	EI. C	EI. CC	EI. D	EI. E	EI. F	EI. G	EI. H	EI. J
West Bound	548.02	548.16	548.35	548.34	548.59	539.95	540.09	540.24	540.27	540.26	533.00
East Bound	540.54	540.30	540.81	540.48	540.24	532.49	532.64	532.72	532.57	532.43	525.40

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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[illegible]

PLAN
West Bound Lanes
I Indicates battered pile

9 Spa @ 12" = 9'-0" AGO3 | 12" | 23 Spaces @ 12" = 23'-0" AGO2 | 12" | 5 Spa @ 12" = 5'-0" AGO3

2" lighting conduit

El. A Top of Fillet

A520 f.f.

A518

2-A504

El. D

El. E

El. F

El. G

El. H

2 Spaces @ 14'-0" = 28'-0" - G.C.M.P.

5-A504

2-A504

5-A504

2-A504

Approach Slab seat

Survey

Construction Joint

A518

A505

El. J

Typical

3 Spa @ 1'-3" AGO1, A501, A502, A503

4-A801

3-A801

4-A801

3-A801

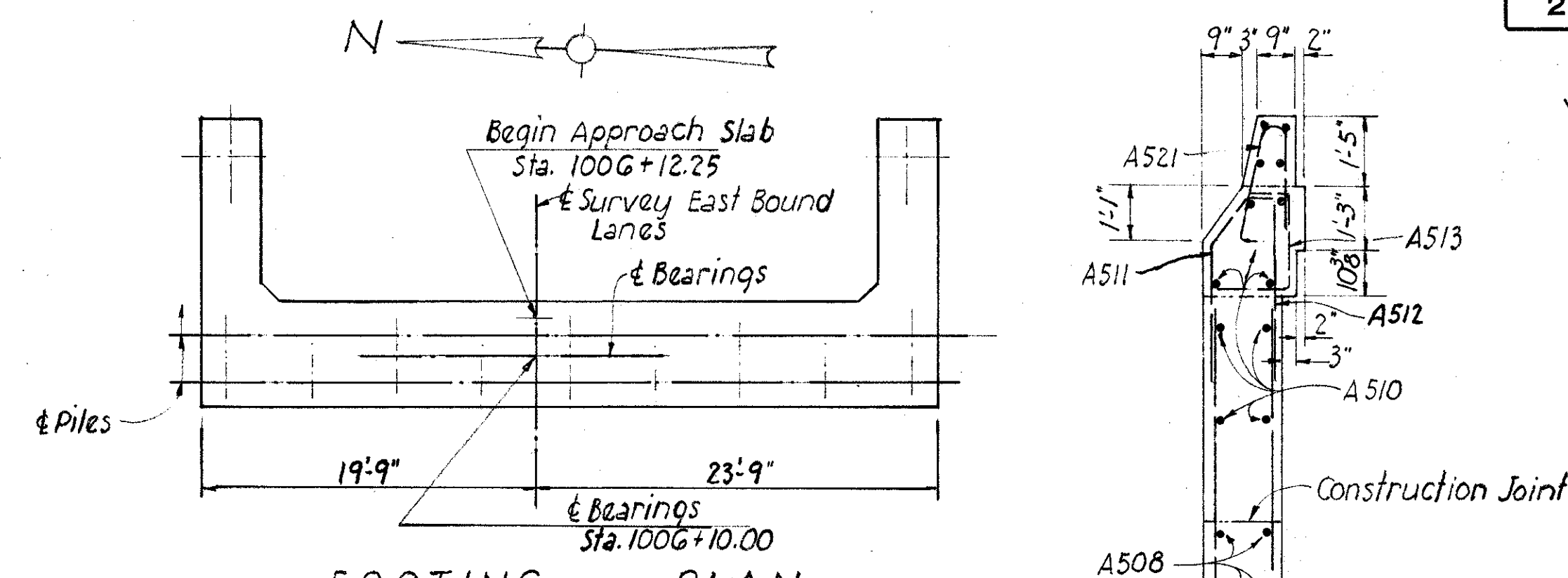
A505

2'-0" 3'-0 3/4"

Front Row: 8 Spaces @ 5'-0 3/4" = 40'-6" Batter 1:4, Rear Row: 4 Spaces @ 10'-1 1/2" = 40'-6"

All Piles Steel 12 B P 53

ELEVATION
West Bound Lanes



FOOTING PLAN
East Bound Lanes

E.I.A E.I.B E.I.C

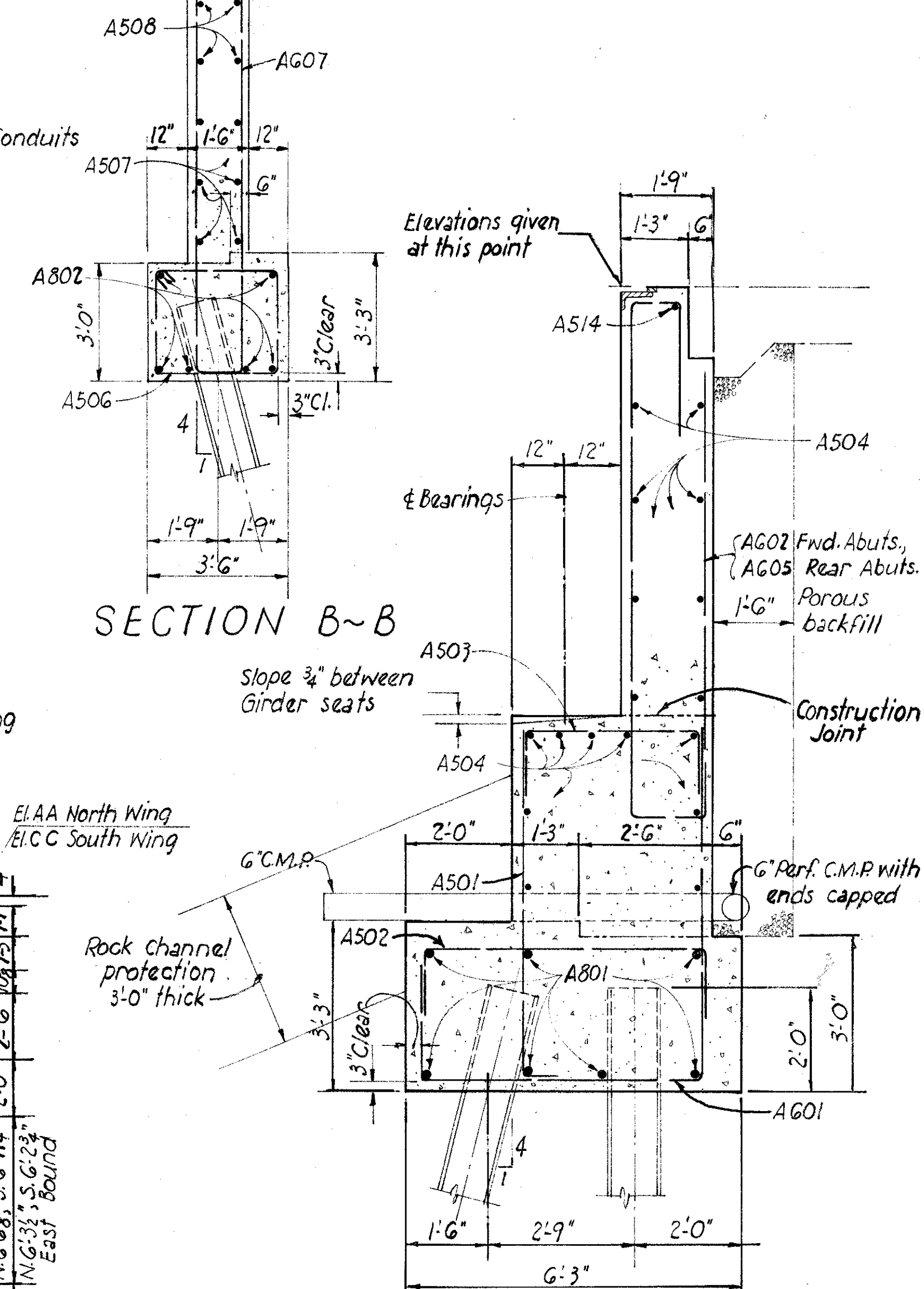
E.I.D E.I.E E.I.F E.I.G E.I.H

— Survey East Bound Lanes

3'0" 2'0"

ELEVATION
East Bound Lanes

For additional details see West Bound Lanes



SECTION A~A

[illegible]

WING ELEVATION
(South Wing Shown)

See sheet **G/23** for reinforcing
in end of wings.

FORWARD ABUTMENTS
BRIDGE NO. SCI-52-1881 L&R
OVER SCIOTO RIVER

DESIGNED J.D.R.	DRAWN J.D.R.	TRACED	CHECKED MPB	REVIEWED BFG	DATE 9-12-69	REVISED
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 Indicates battered pile 1:4 in direction of arrow

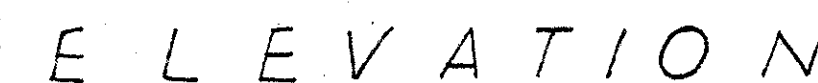


Diagram illustrating the plan view of two bridge piers (Pier 1 and Pier 2) showing dimensions and bearings.

Pier 1 Dimensions:

- Overall Width: 20'6"
- Overall Height: 13'6"
- Bearing Width: 12'3"
- Distance between Bearings: 8'3"
- Top Section Width: 10'3" (split into two 10'3" segments)
- Top Section Height: 6'9"
- Bottom Section Height: 6'9"
- Survey West Bound Lanes: 2'0"

Pier 2 Dimensions:

- Overall Width: 20'6"
- Overall Height: 13'6"
- Bearing Width: 8'3"
- Distance between Bearings: 12'3"
- Top Section Width: 10'3" (split into two 10'3" segments)
- Top Section Height: 6'9"
- Bottom Section Height: 6'9"
- Survey East Bound Lanes: 2'0"

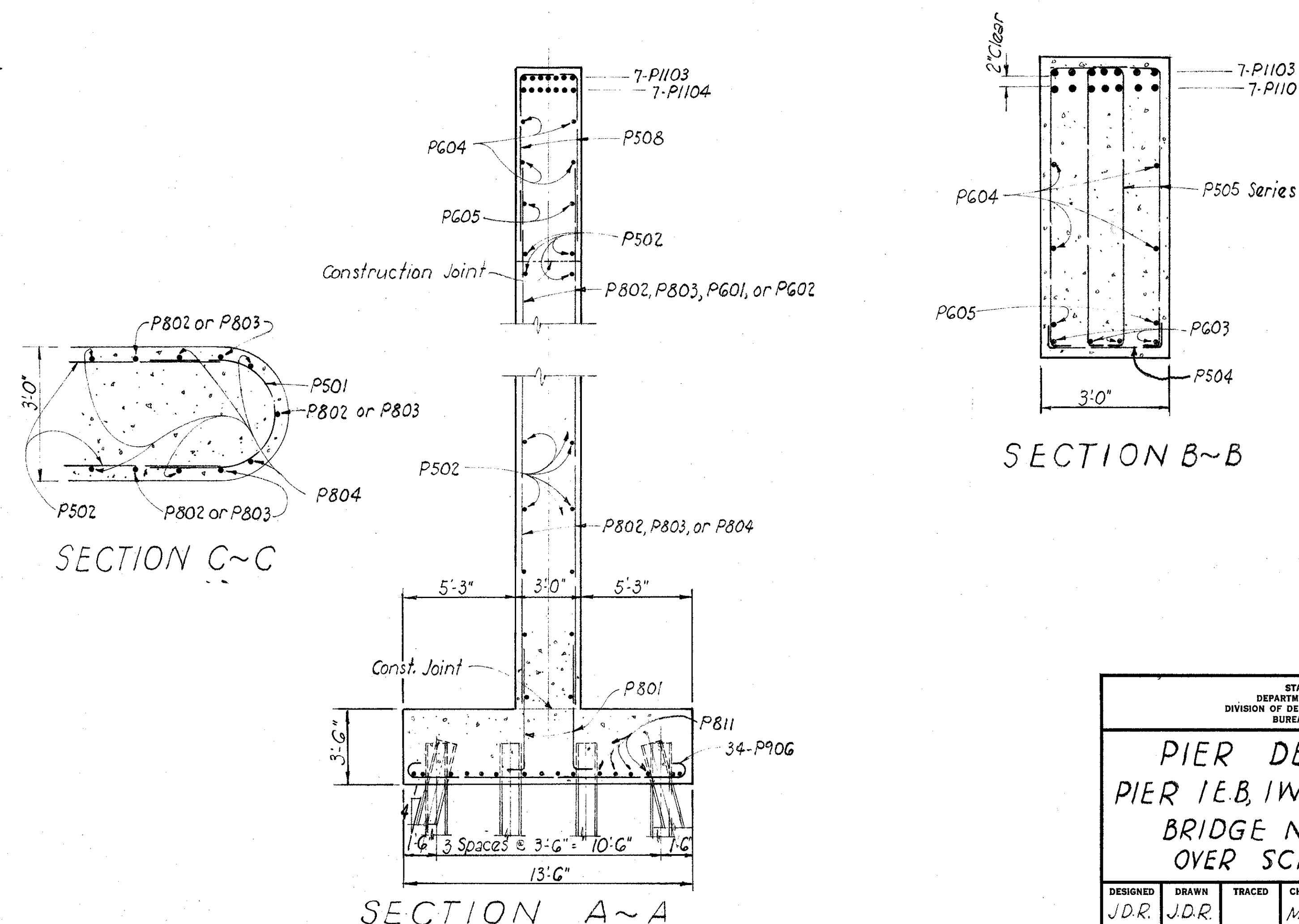
Stationing:

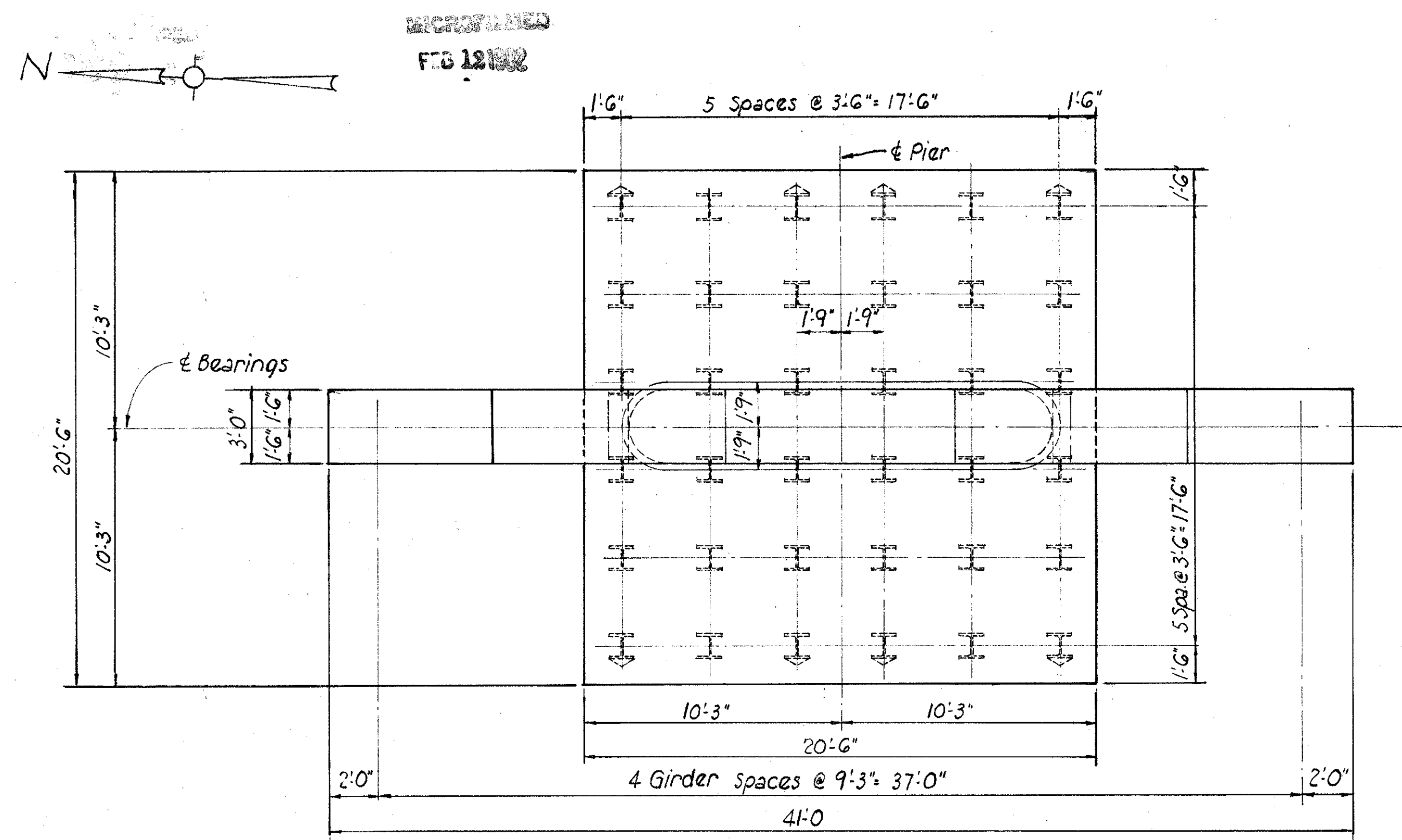
- Pier 1 W.B. Sta. 994+99.00
- Pier 2 W.B. Sta. 996+10.50
- Pier 1 E.B. Sta. 994+99.00
- Pier 2 E.B. Sta. 996+10.50

Other Labels:

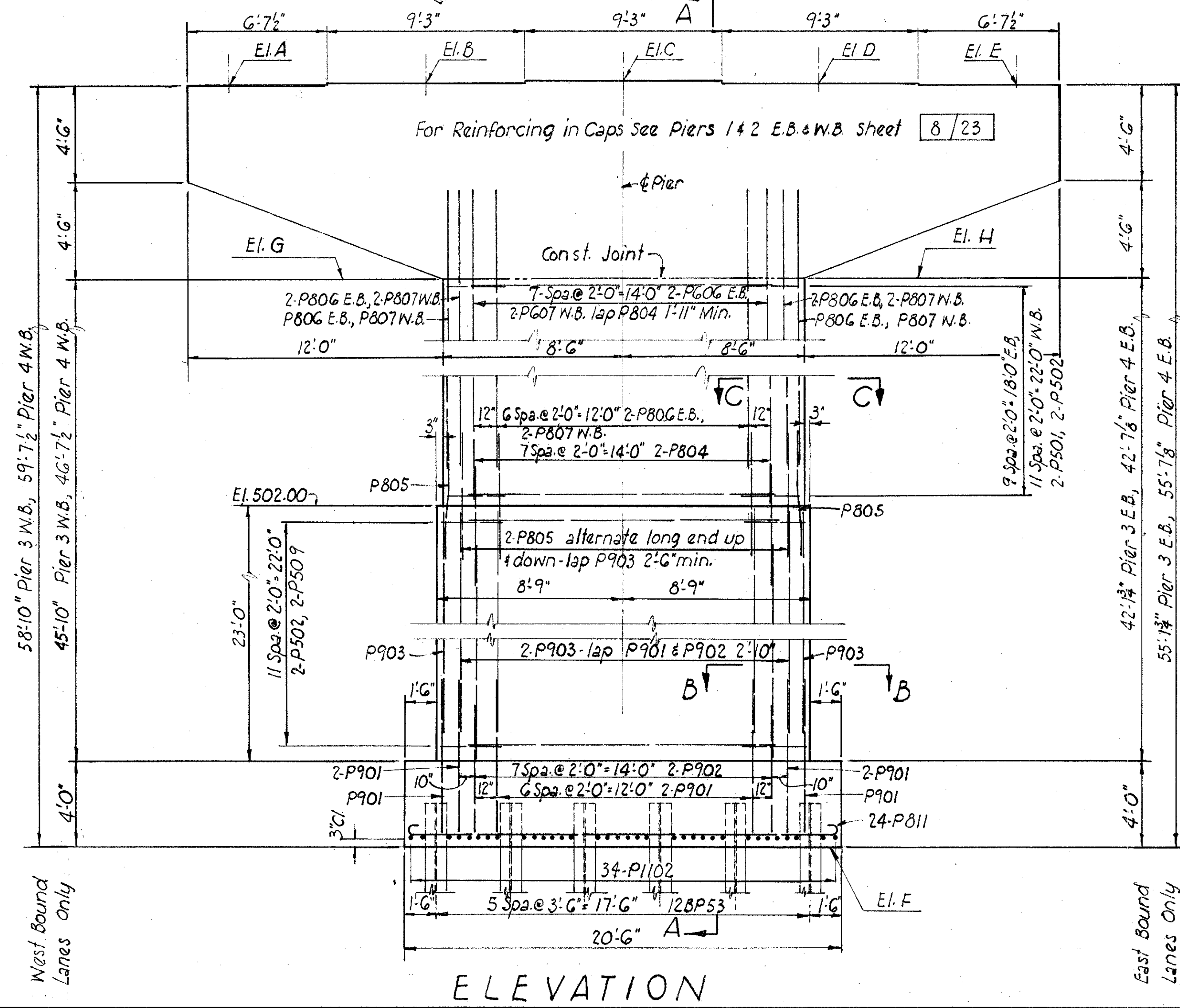
- North Arrow (N)
- Bearings
- Survey West Bound Lanes
- Survey East Bound Lanes

FOOTING PLANS

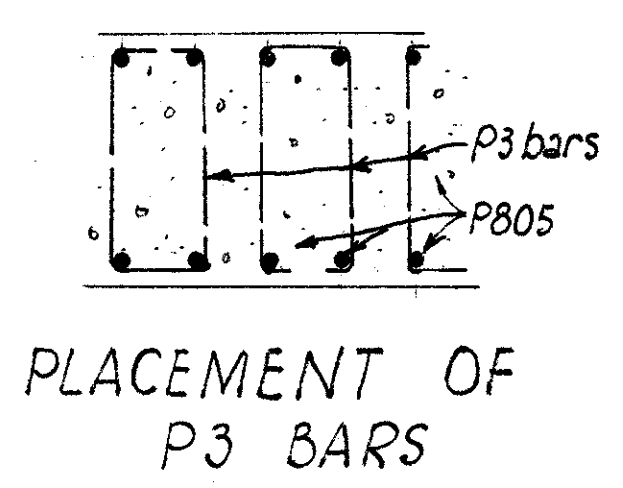
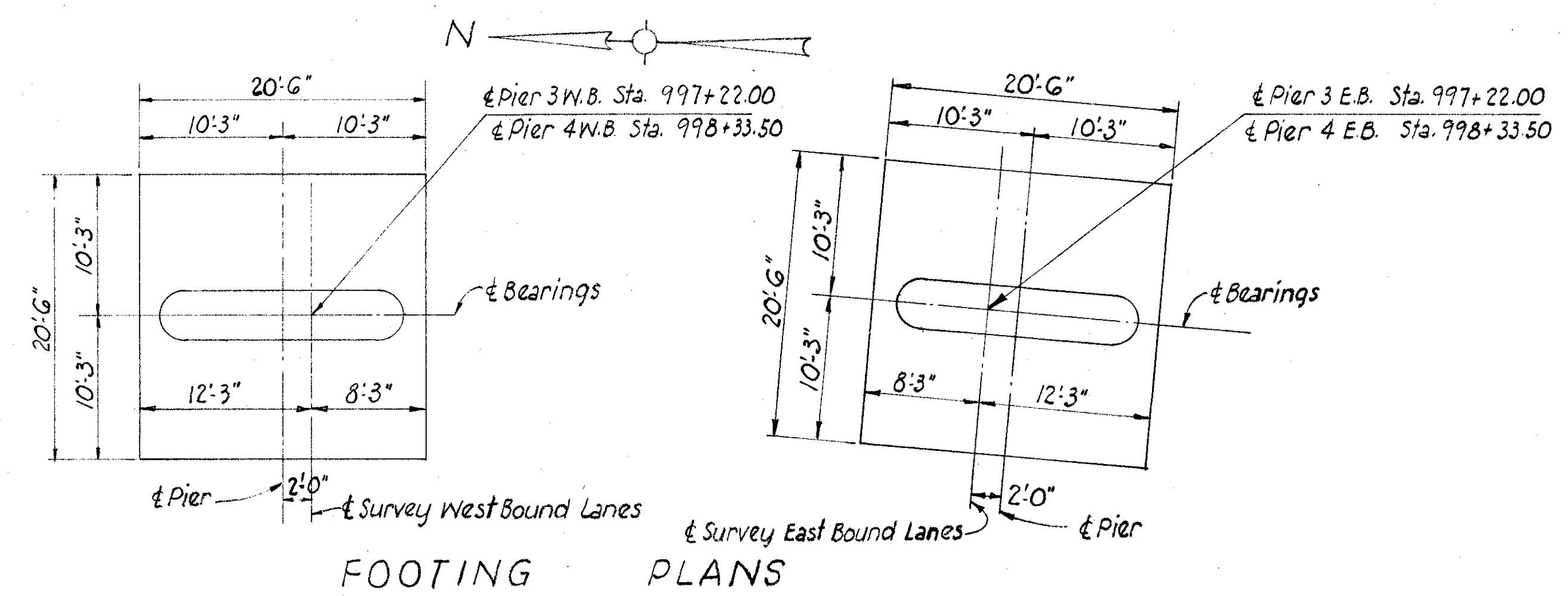




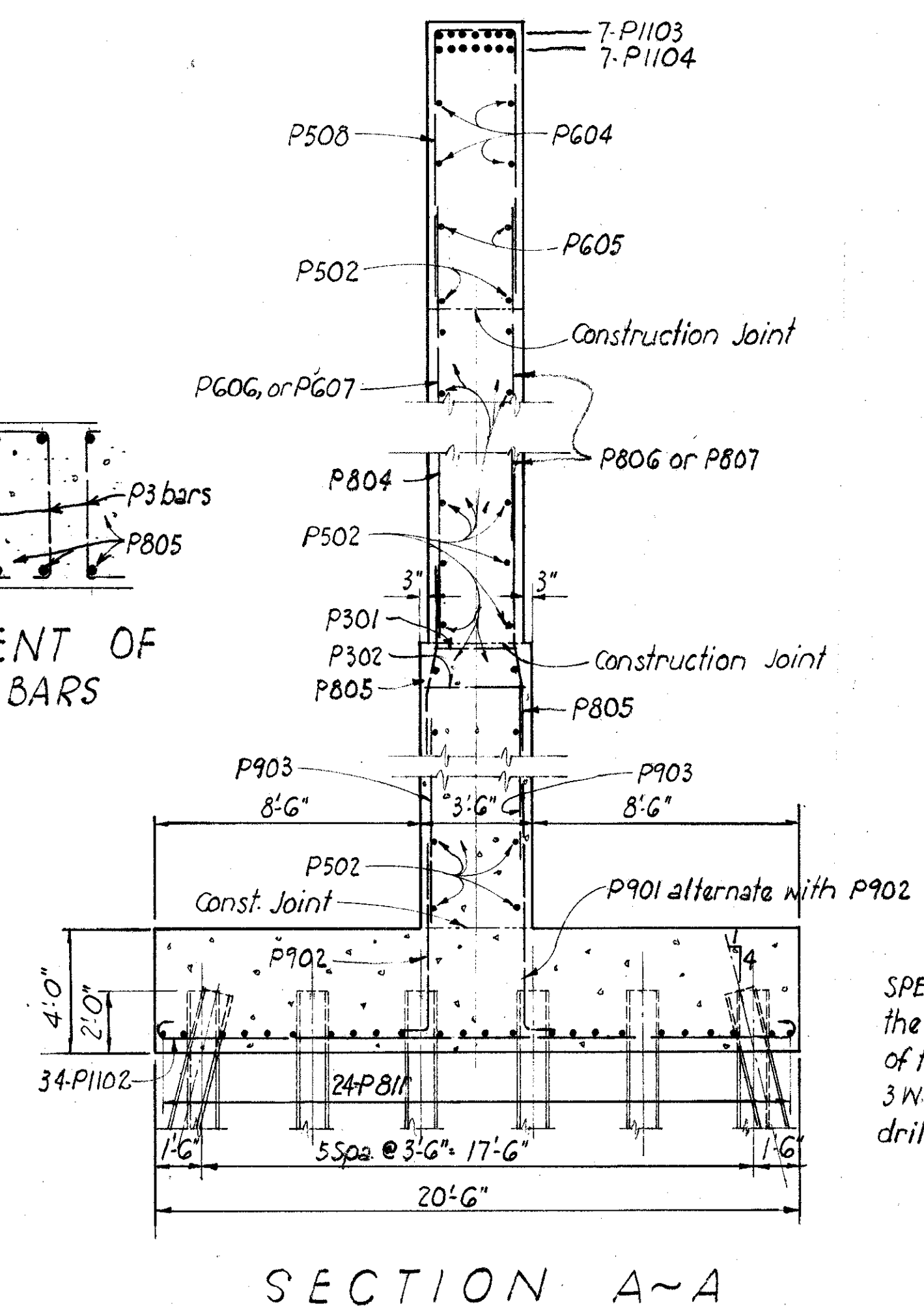
PLAN
Indicates pile battered 1:4 in direction of arrow.



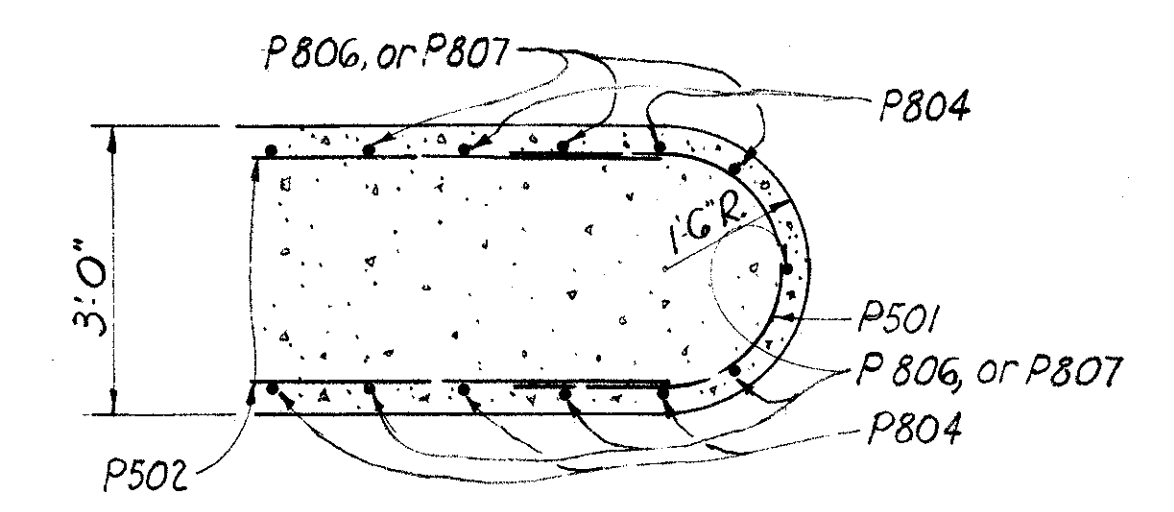
PIER ELEVATIONS								
Location	A	B	C	D	E	F	G	H
Pier 3 E.B.	530.21	530.35	530.43	530.29	530.15	475.00	521.21	521.15
Pier 3 W.B.	533.83	533.97	534.11	534.03	533.89	475.00	524.83	524.89
Pier 4 E.B.	530.65	530.80	530.88	530.74	530.59	475.00	521.65	521.59
Pier 4 W.B.	534.63	534.77	534.92	534.84	534.69	475.00	525.63	525.69



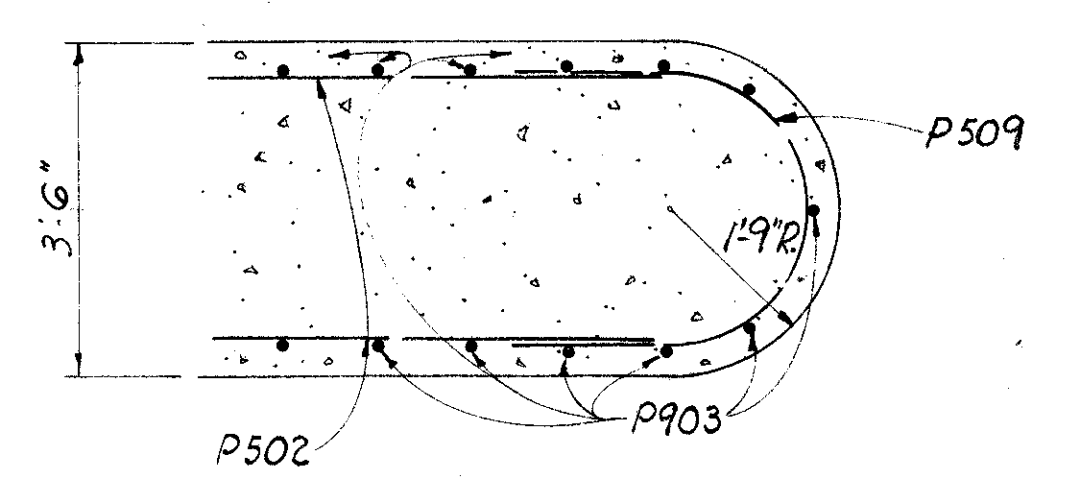
PLACEMENT OF P3 BARS



SECTION A~A



SECTION C~C



SECTION B~B

SPECIAL CARE shall be taken in placing the reinforcing steel in the vicinity of the girder seats in Piers 3 E.B. and 3 W.B. so as not to interfere with the drilling of the anchor bolt holes.

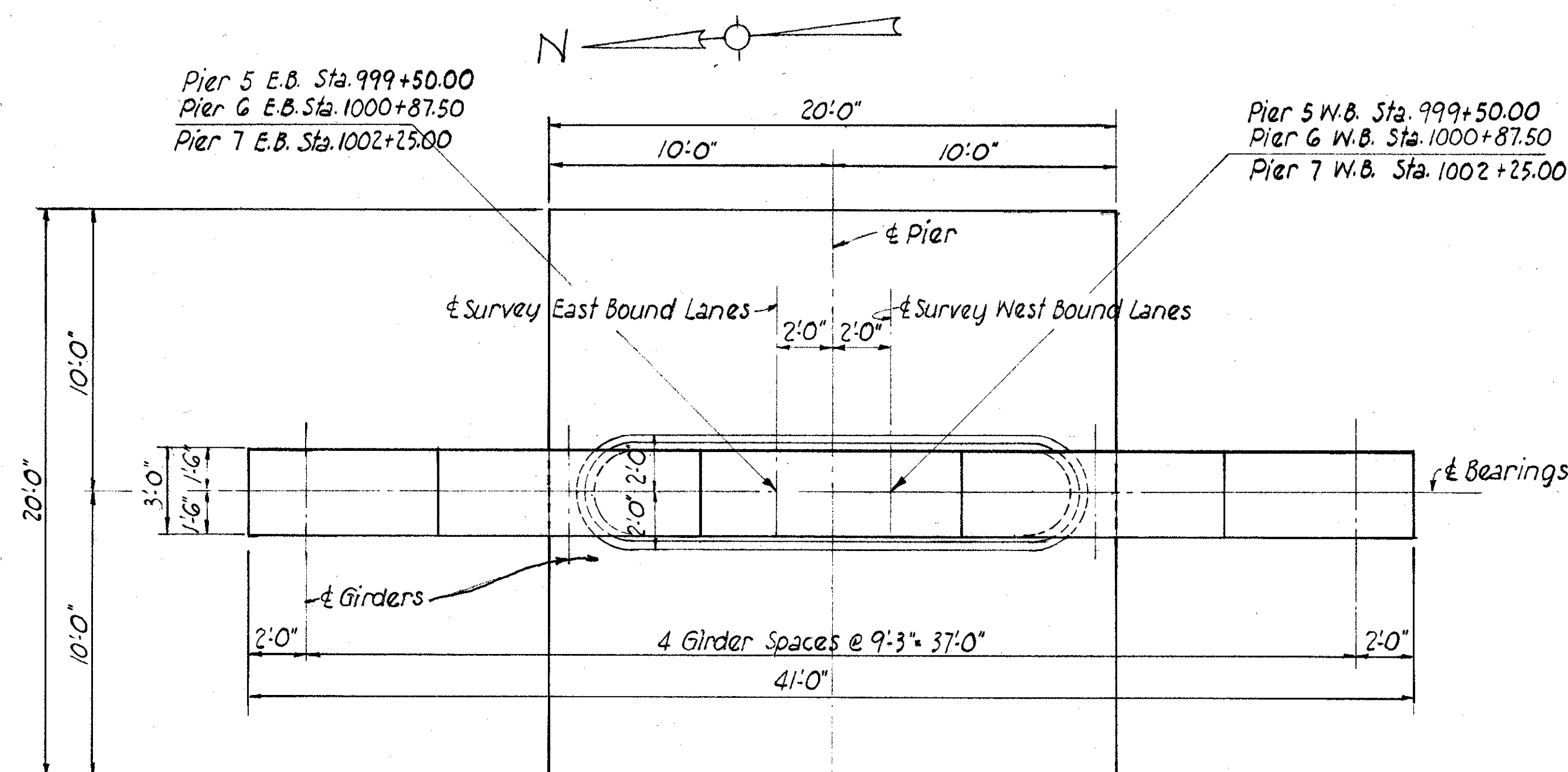
DESIGNED		DRAWN		TRACED		CHECKED		REVIEWED		DATE		REVISED	
J.D.R.		J.D.R.				M.P.B.		B.F.G.		9-12-69			

STATE OF OHIO
DEPARTMENT OF HIGHWAYS
DIVISION OF DESIGN AND CONSTRUCTION
BUREAU OF BRIDGES

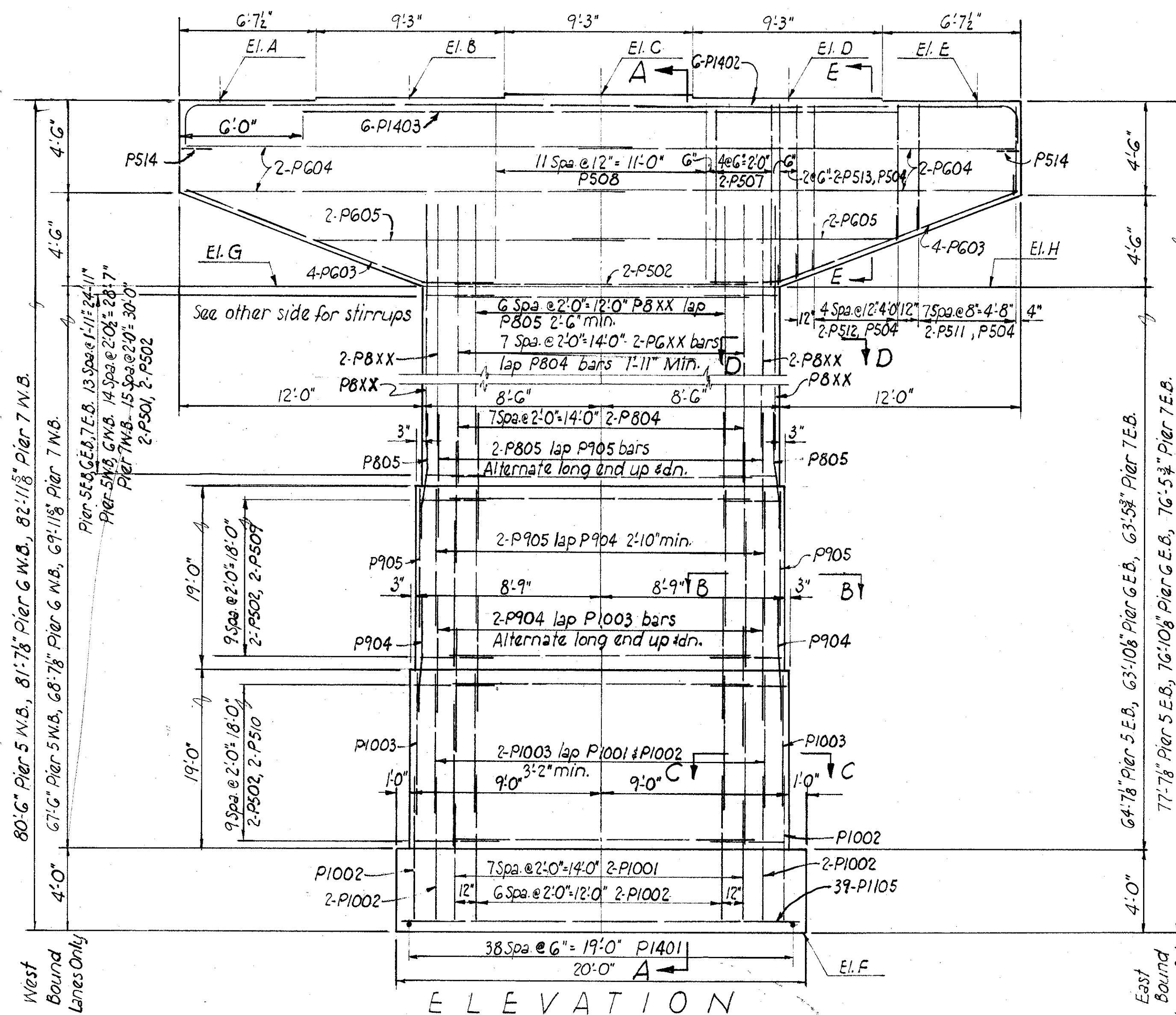
PIER DETAILS
PIER 3 E.B., 3 W.B., 4 E.B., & 4 W.B.
BRIDGE NO. SCI-52-1881 L & R
OVER SCIOTO RIVER

9/23

SC1-52-16.74



P L A N

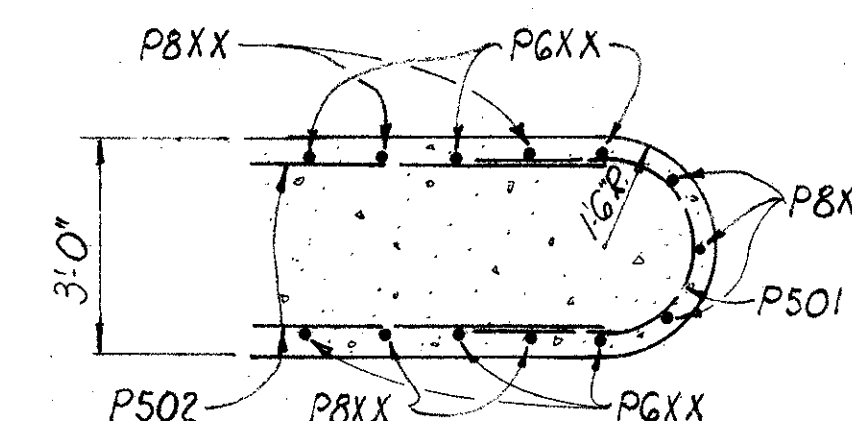


ELEVATION

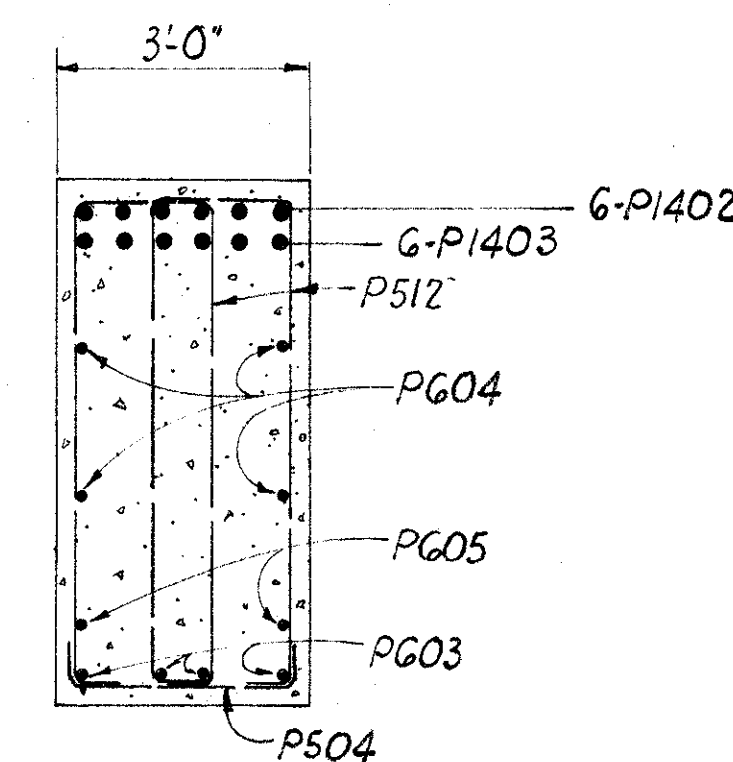
PIER ELEVATIONS AND REINFORCING										
Location	El. A	El. B	El. C	El. D	El. E	El. F	P8XX	P6XX	El. G	El. H
Pier 5 E.B.	530.15	530.30	530.38	530.23	530.09	452.50	P808	P608	521.15	521.00
Pier 5 W.B.	534.50	534.64	534.79	534.71	534.56	454.00	P809	P609	525.50	525.50
Pier 6 E.B.	530.50	530.65	530.73	530.59	530.44	453.60	P808	P608	521.50	521.4
Pier 6 W.B.	535.29	535.44	535.58	535.50	535.35	453.70	P809	P609	526.29	526.3
Pier 7 E.B.	531.24	531.39	531.47	531.32	531.18	454.70	P808	P608	522.24	522.1
Pier 7 W.B.	536.47	536.61	536.76	536.68	536.53	453.50	P810	P610	527.47	527.5

P8xx bars are to be lapped 2'-6" Minimum.

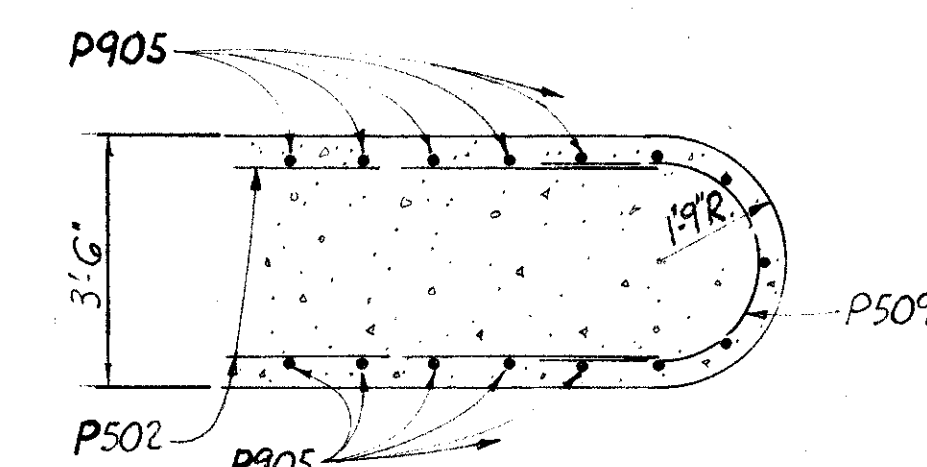
FOOTINGS shall extend a minimum of 3' into bedrock. If necessary, the footings should be lowered. However, if the low point of the rock occurs 2 ft or more above the plan elevation, the footings may be raised, but to an elevation not higher than El. 460.0, after approval by the Director. Stepping of individual footings will not be permitted.



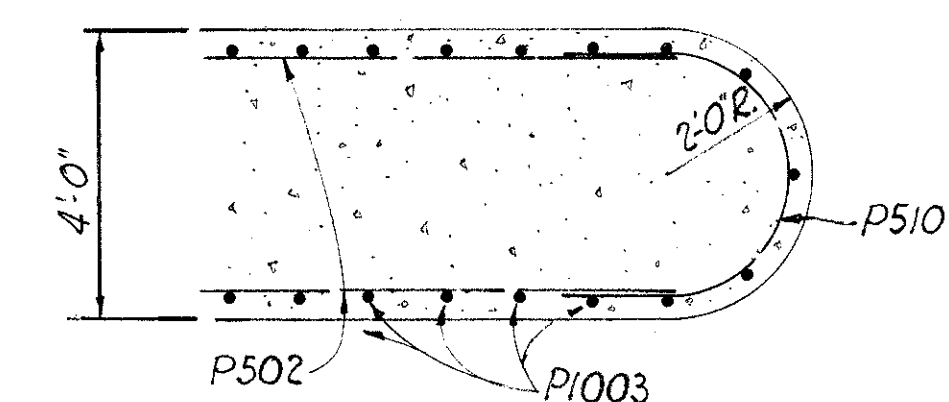
SECTION D~D



SECTION E~E

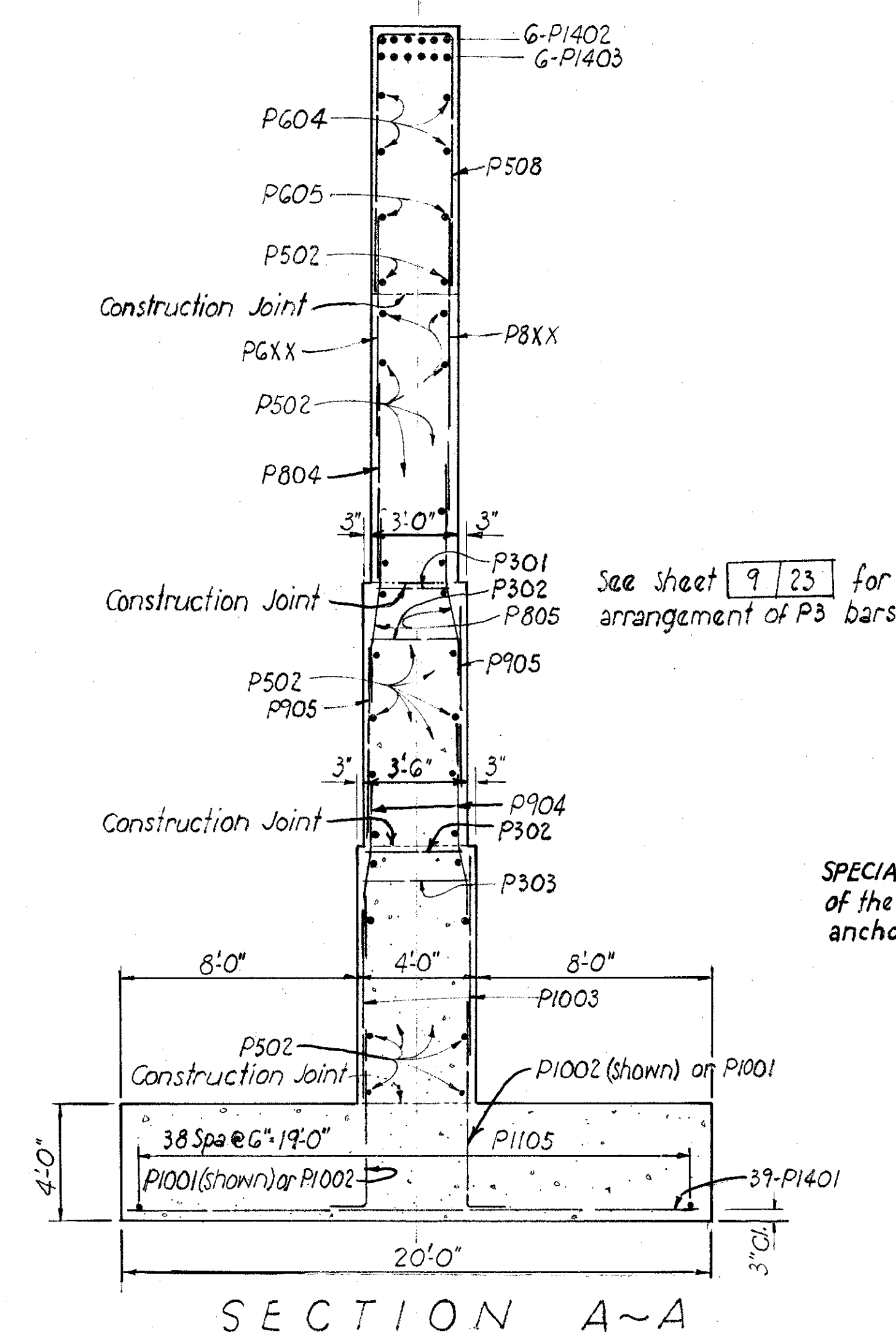


SECTION B~B

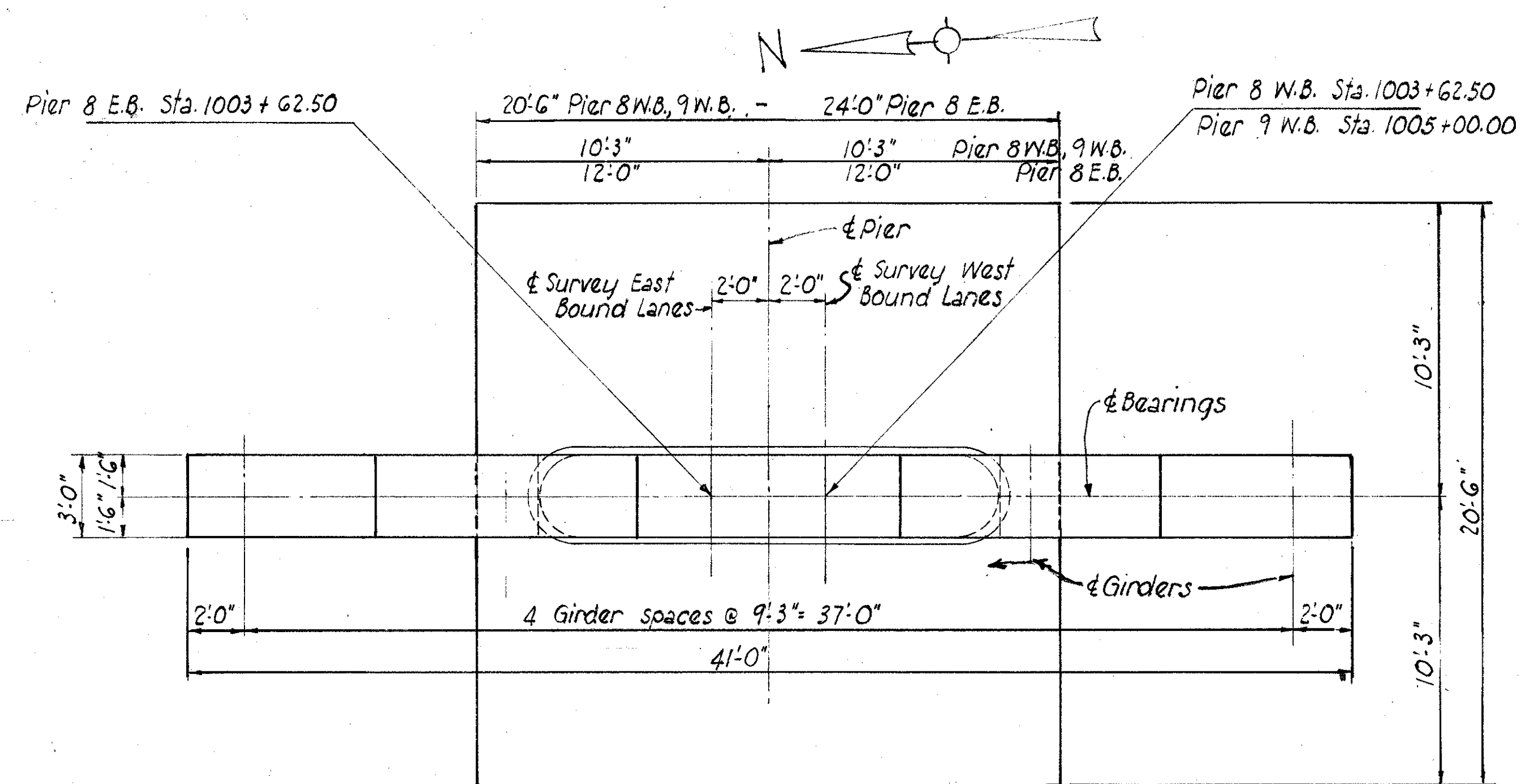


SECTION C~C

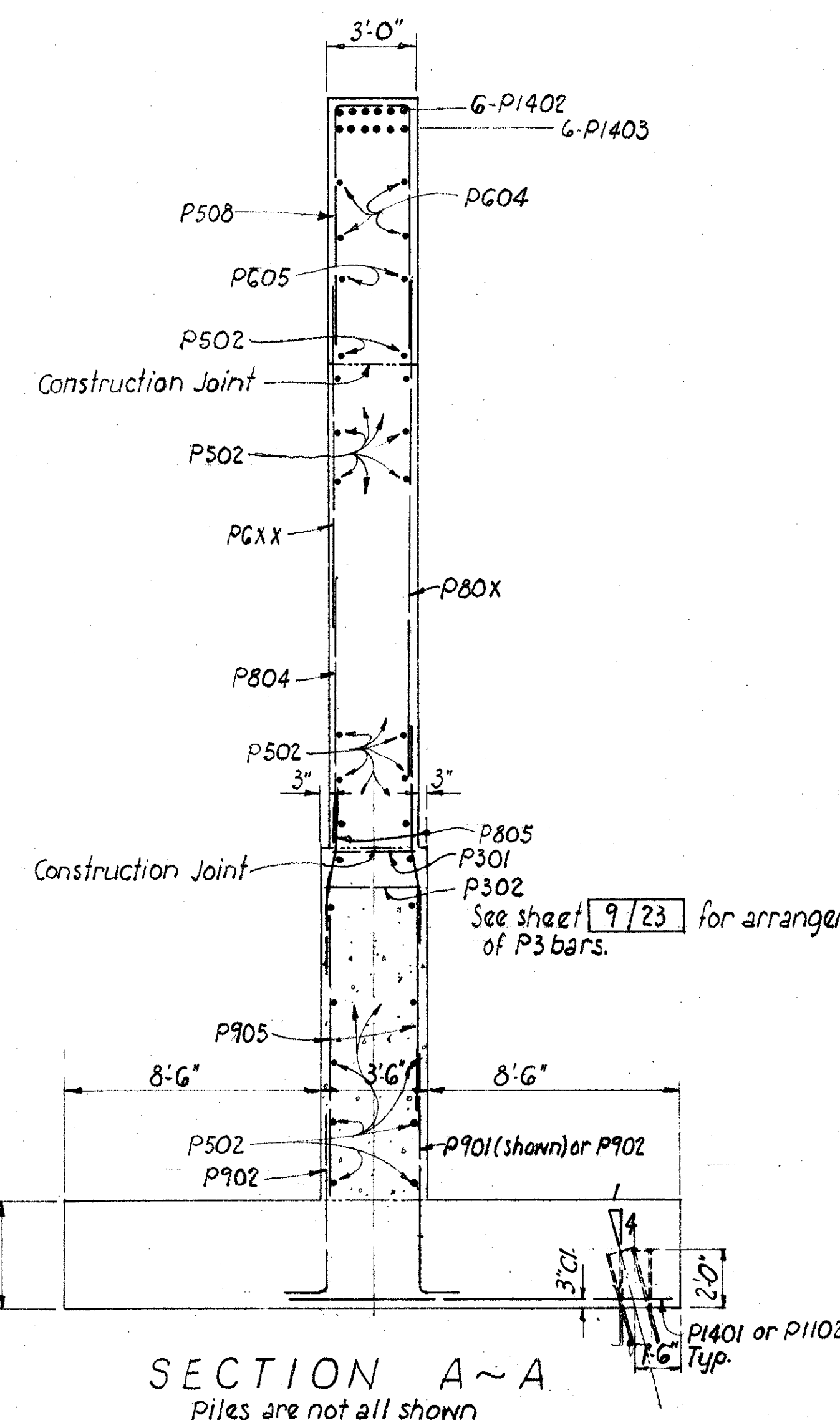
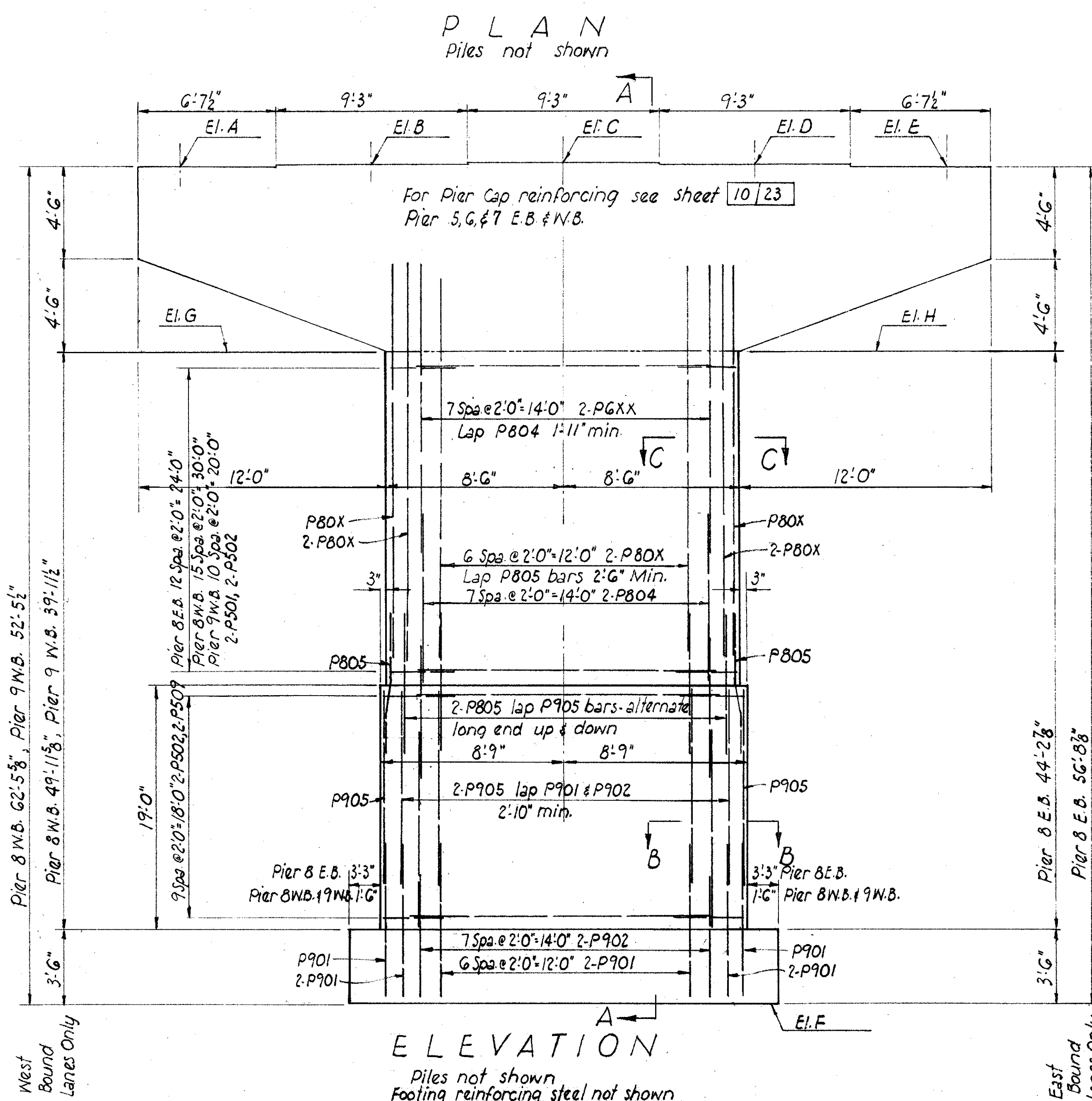
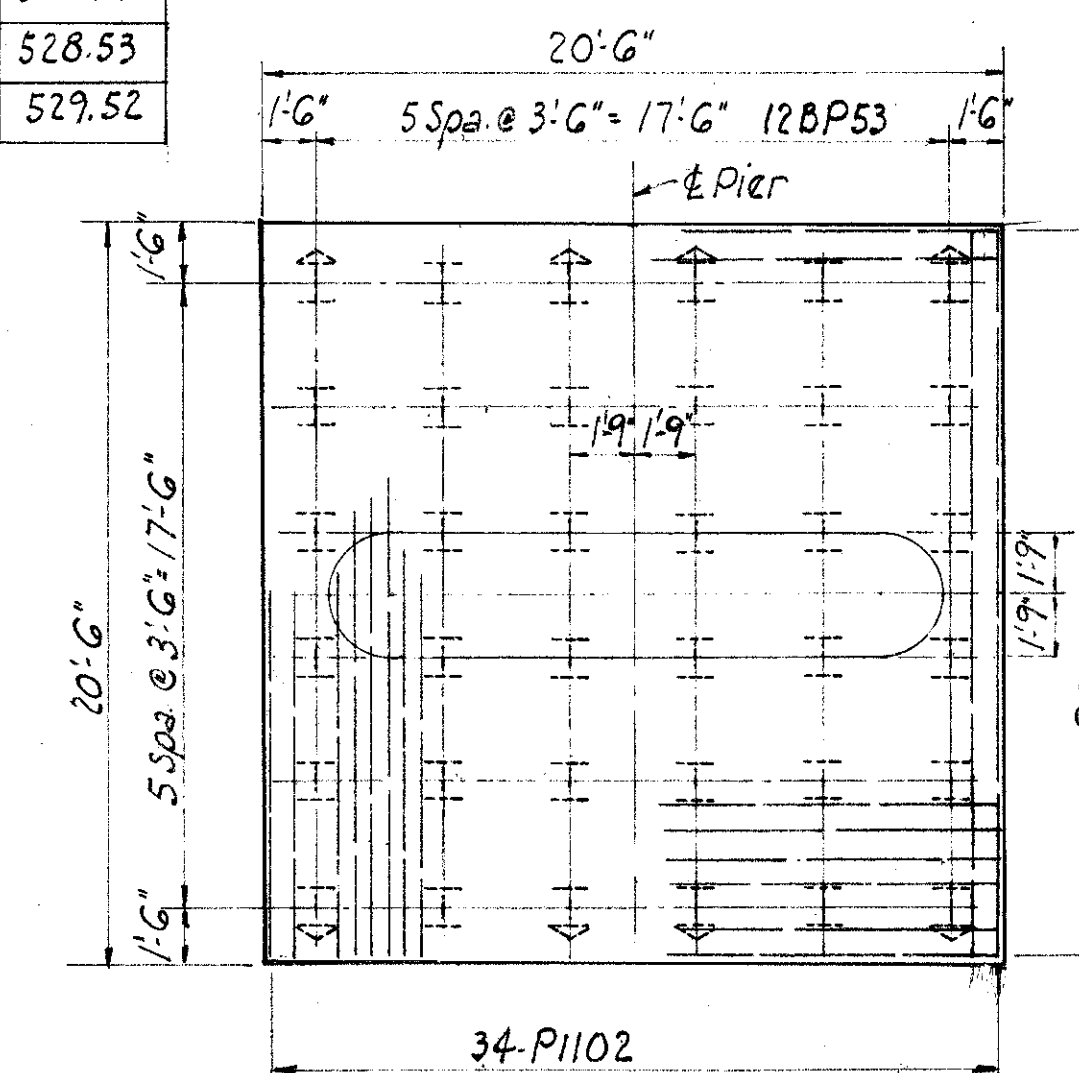
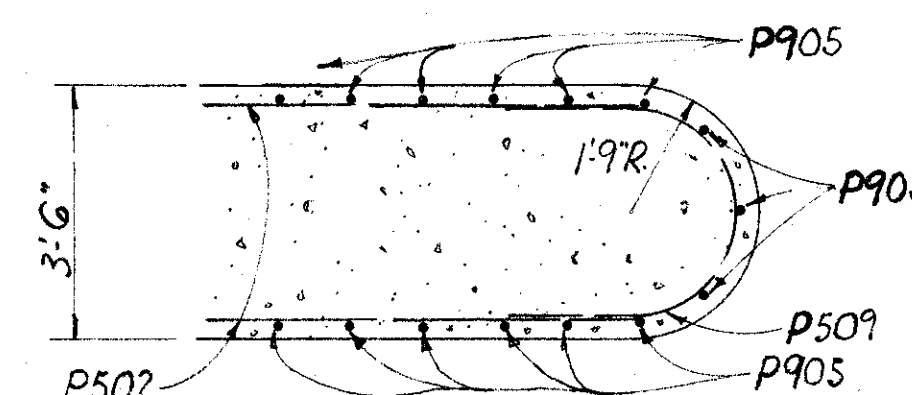
SPECIAL CARE shall be taken in placing the reinforcing steel in the vicinity of the girder seats so as not to interfere with the drilling of the anchor bolt holes in Pier G.E.B. & G.W.B.



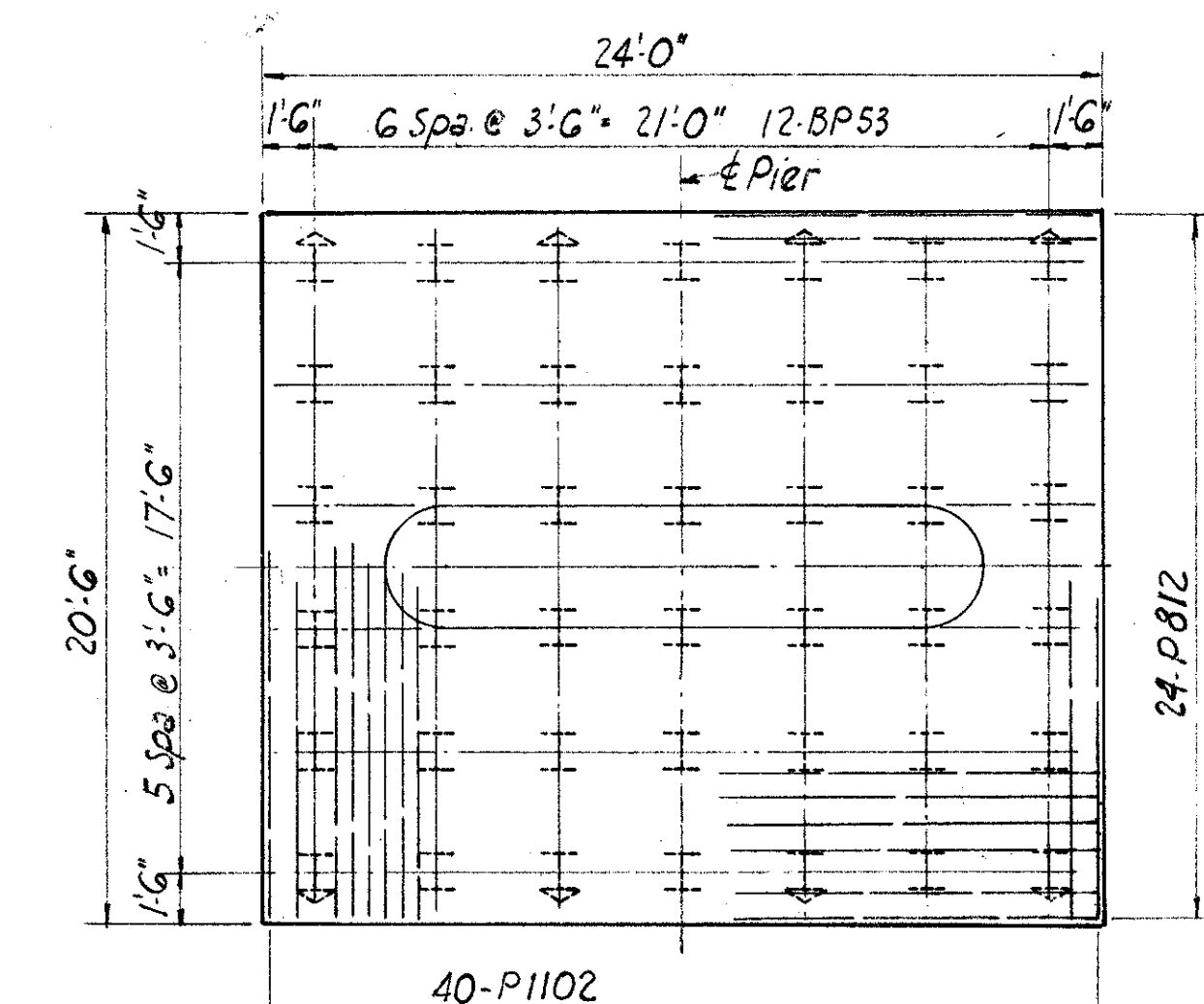
SECTION A~A



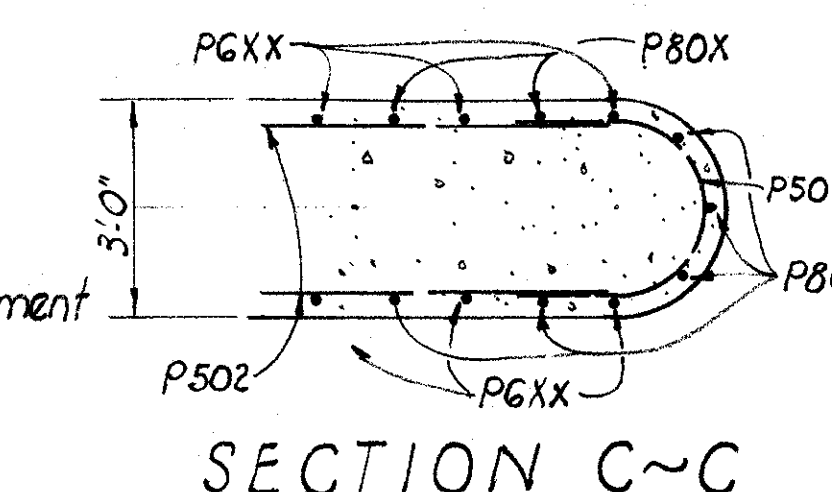
PIER ELEVATIONS AND REINFORCING										
Location	EI. A	EI. B	EI. C	EI. D	EI. E	EI. F	P80X	P6XX	EI. G	EI. H
Pier 8 E.B.	531.80	531.95	532.03	531.88	531.74	475.00	P808	P607	522.80	522.74
Pier 8 W.B.	537.47	537.61	537.76	537.68	537.53	475.00	P809	P610	528.47	528.53
Pier 9 W.B.	538.46	538.60	538.75	538.67	538.52	486.00	P806	P606	529.46	529.52



FOOTING PLAN FOR PIER 8 W.B. & 9 W.B.



FOOTING PLAN FOR PIER 8 E.B.



SPECIAL CARE shall be taken in placing the reinforcing steel in the vicinity of the girder seats so as not to interfere with the drilling of the anchor bolt holes in Pier 8 E.B. & 8 W.B.

Indicates pile battered 1:4 in direction of arrow.

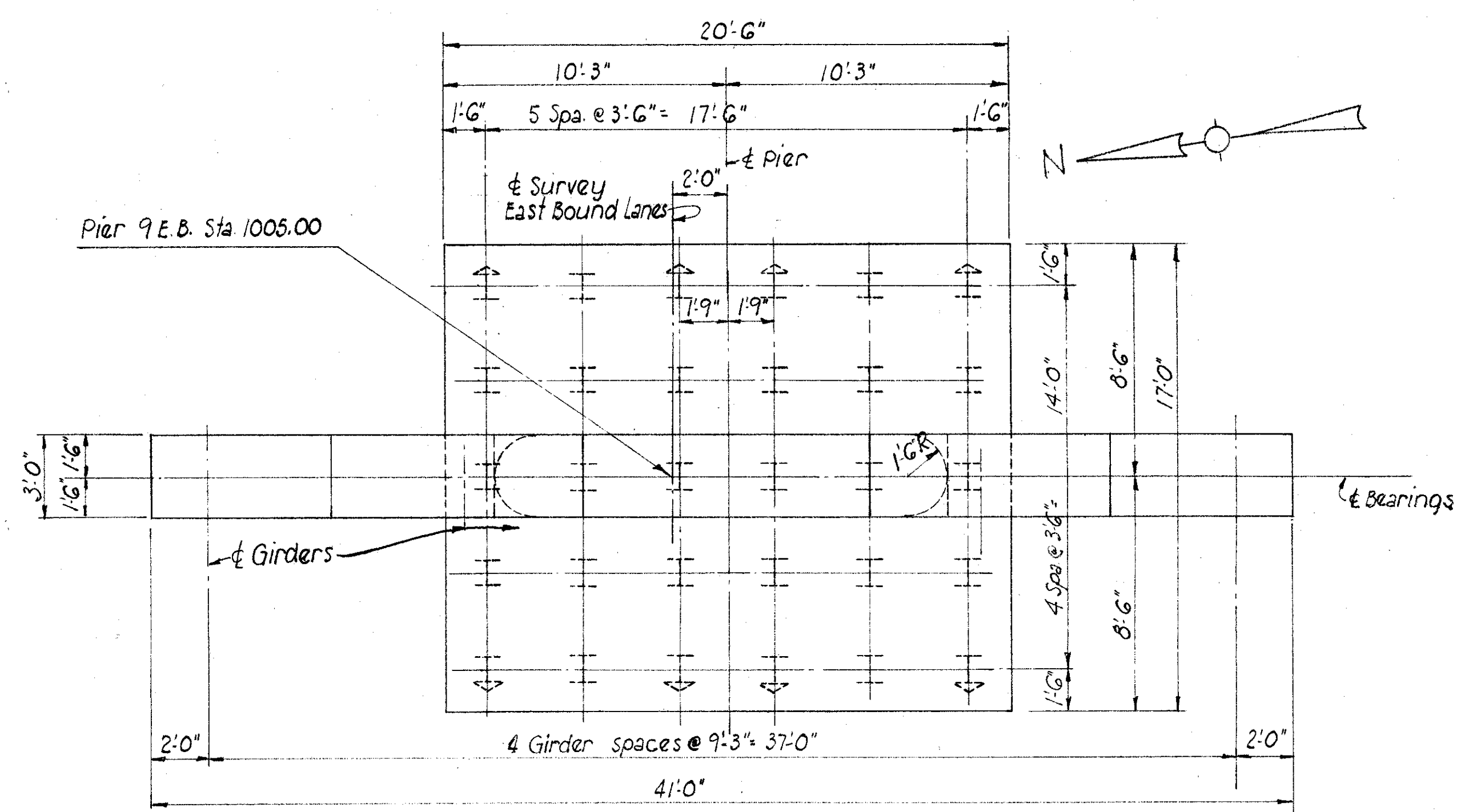
STATE OF OHIO DEPARTMENT OF HIGHWAYS DIVISION OF DESIGN AND CONSTRUCTION BUREAU OF BRIDGES					
PIER DETAILS PIER 8 E.B., 8 W.B., AND 9 W.B. BRIDGE NO. SCI-52-1881 L & R OVER SCIOTO RIVER					
DESIGNED J.D.R.	DRAWN J.D.R.	TRACED MPB	CHECKED BFG	REVIEWED 9-12-69	DATE REVISED

RECORDED
FEB 12 1962

FED. RD. DIVISION	STATE	PROJECT
2	OHIO	

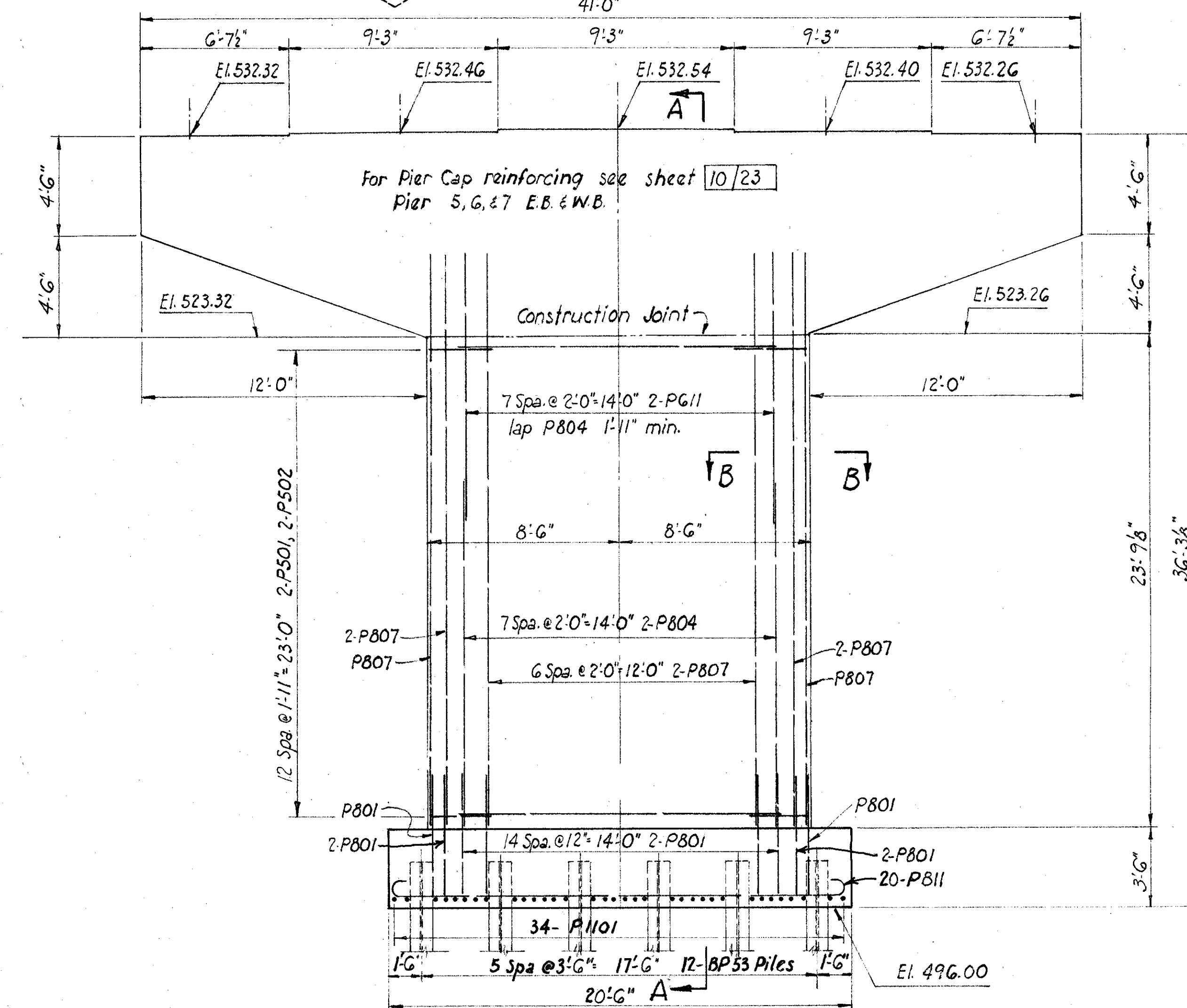
379

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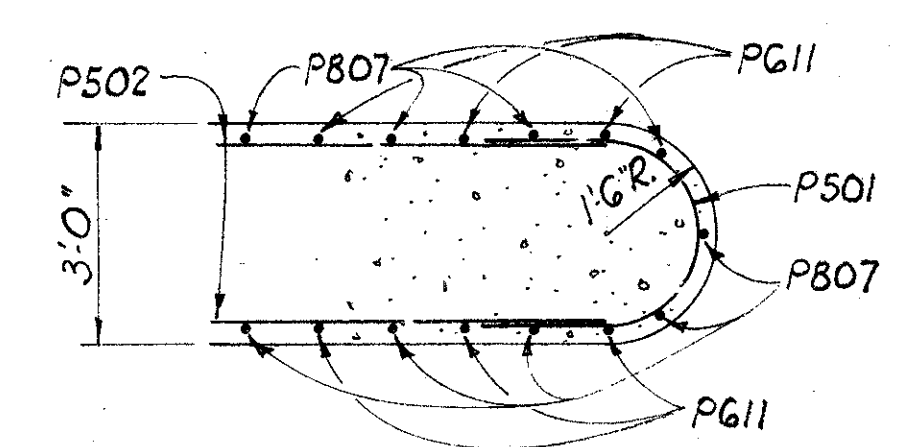


PLAN

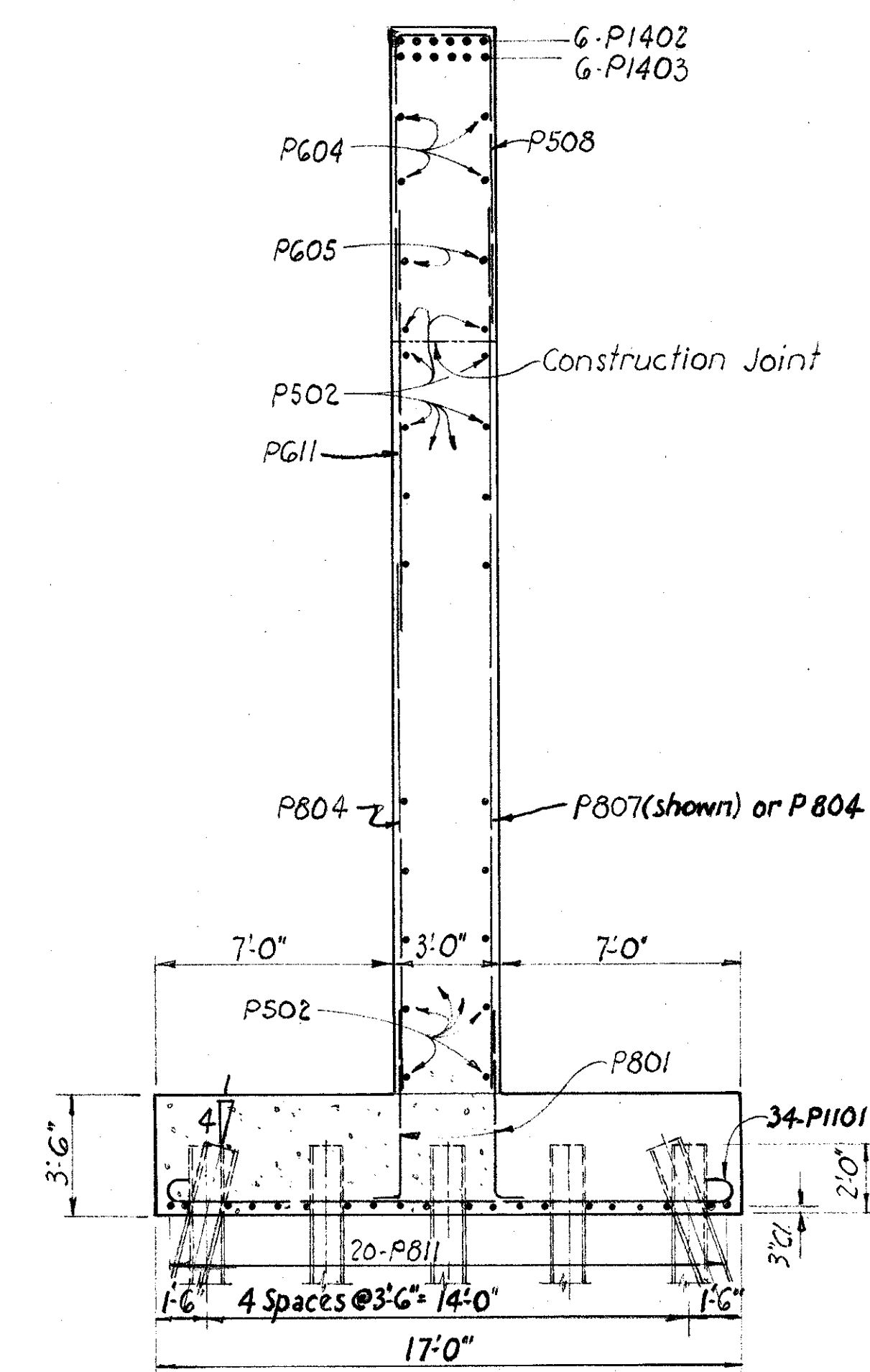
Indicates battered pile 1:4 in direction of arrow



ELEVATION



SECTION B-B

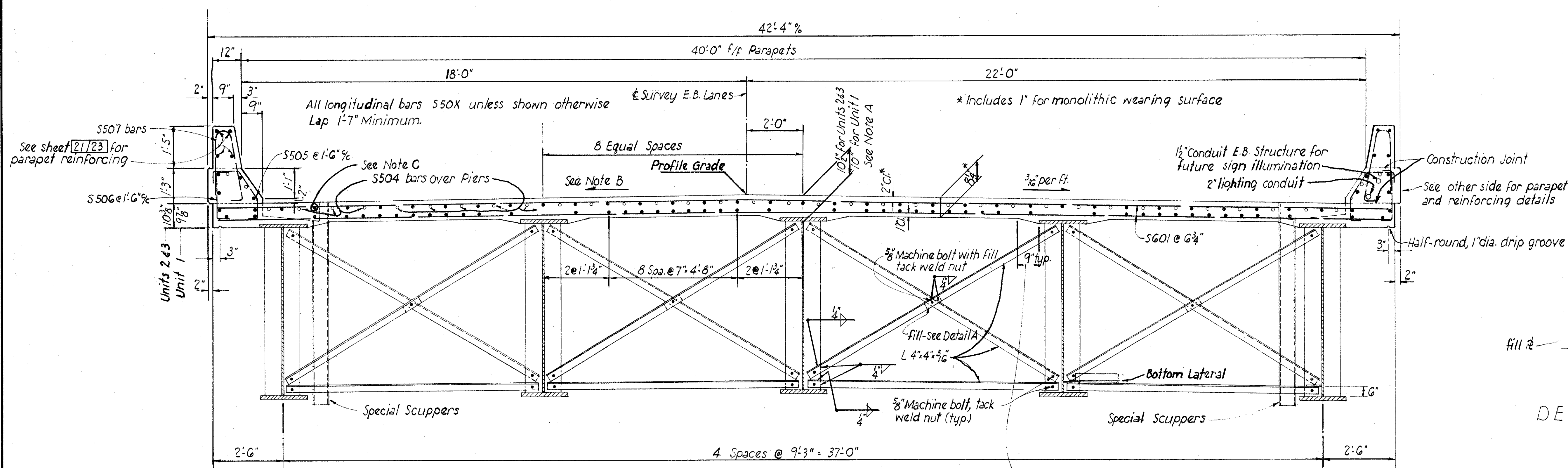


SECTION A-A

STATE OF OHIO DEPARTMENT OF HIGHWAYS DIVISION OF DESIGN AND CONSTRUCTION BUREAU OF BRIDGES					
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE
JDR	JDR		MPB	BFG	9-12-69

PIER DETAILS
PIER 9 E.B.
BRIDGE NO. SCI-52-1881 L&R
OVER SCIOTO RIVER

SCI-52-16.74

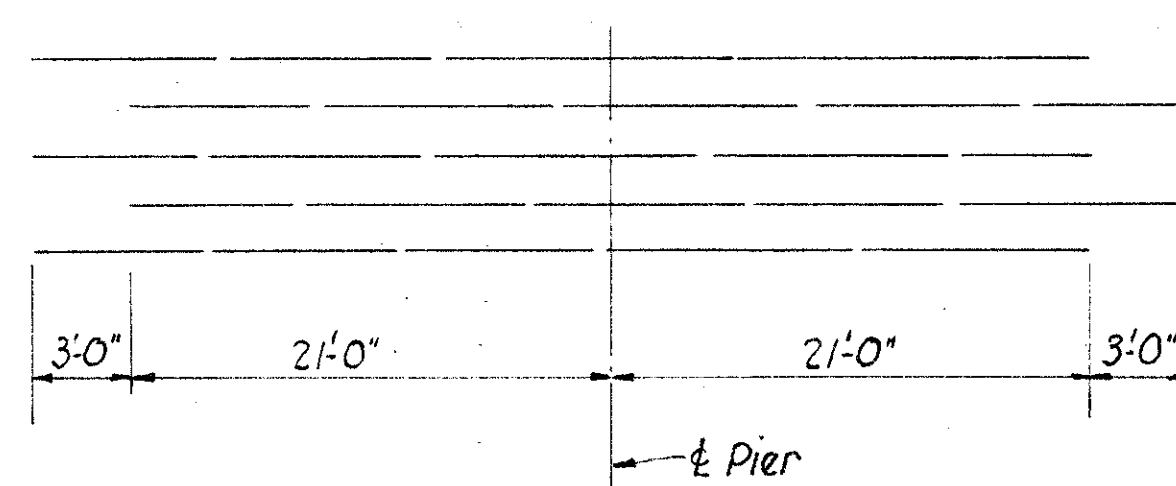


TRANSVERSE SECTION
(East Bound Lanes Shown, West Bound Lanes Opposite Hand)

A typical haunch width of 9" shall be used for computing the quantity of concrete. However, the haunch width may vary between 6" and 12" provided that the slope shall not be more than 1:4 for a haunch less than 9" in width.

S50X Bars: (Each line of bars)

- Unit 1 18-S501
- Unit 2 11-S501, 1-S502
- Unit 3 12-S501, 1-S503



PLAN SHOWING STAGGER OF S504 BARS

NOTE A:

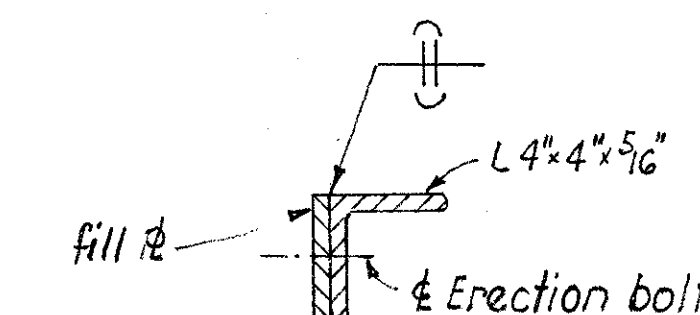
These are the nominal dimensions. The quantity of deck concrete to be paid for shall be based on these dimensions, less the volume of the flange, even though deviation from them may be necessary because the girder may not have the exact camber required to place it parallel to the finished surface.

NOTE B:

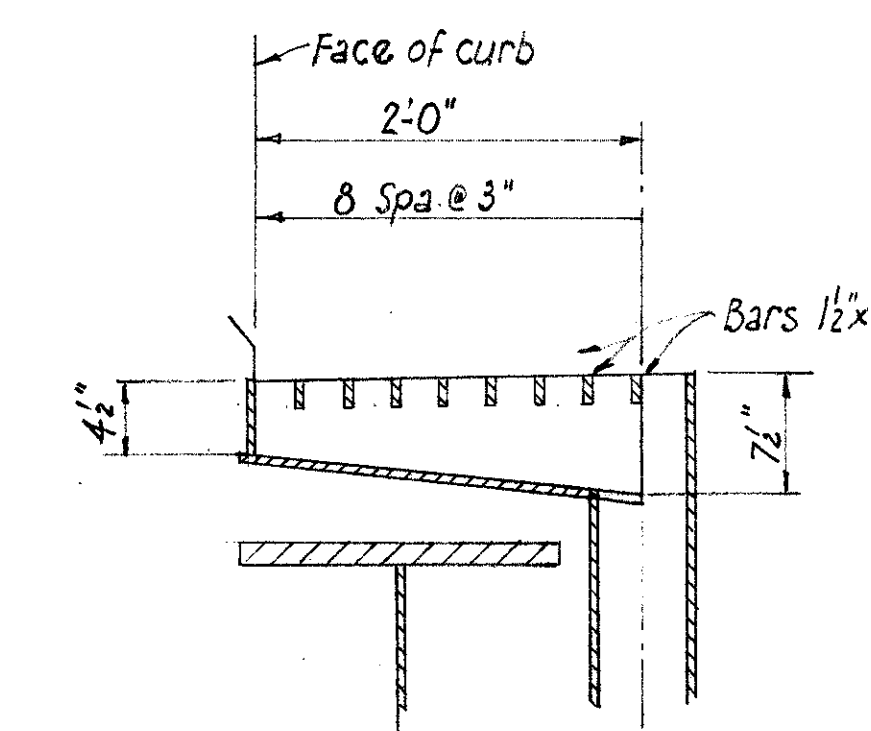
North side of East Bound structure: $\frac{3}{16}$ " per ft.
South side of West Bound structure: rear of Sta. 1005+00 - $\frac{3}{16}$ " per ft.
Forward of Sta. 1005+00 - Varies

NOTE C:

Longitudinal reinforcing shall be cut in the field at the scuppers to clear. Include cutting cost with Item 509 for payment.

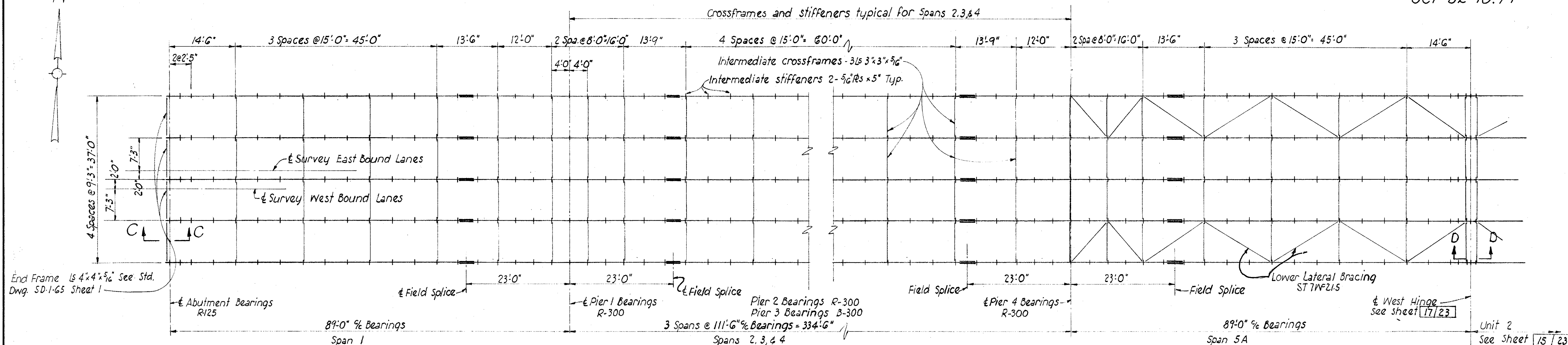


DETAIL A

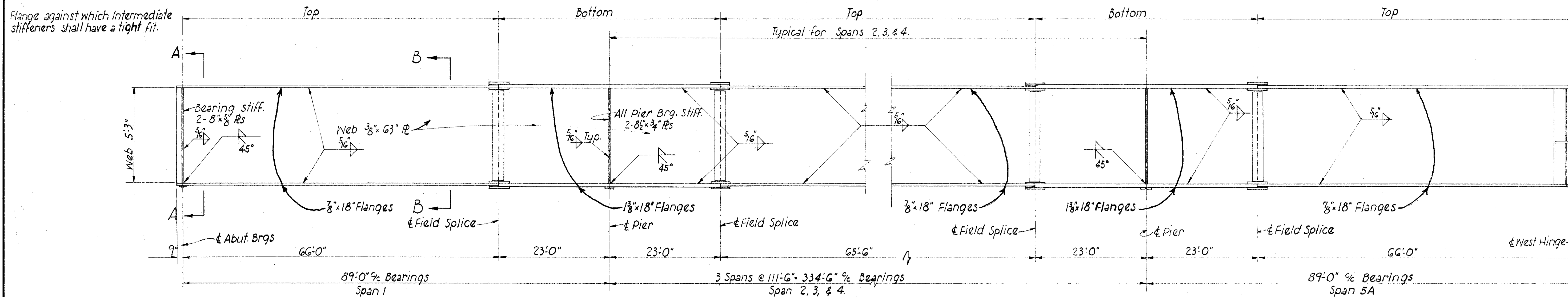


SCUPPER DETAIL
For details not shown see Std. Dwg. SD-1-65 sheet 2

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PARTIAL PLAN OF STEEL FRAMING



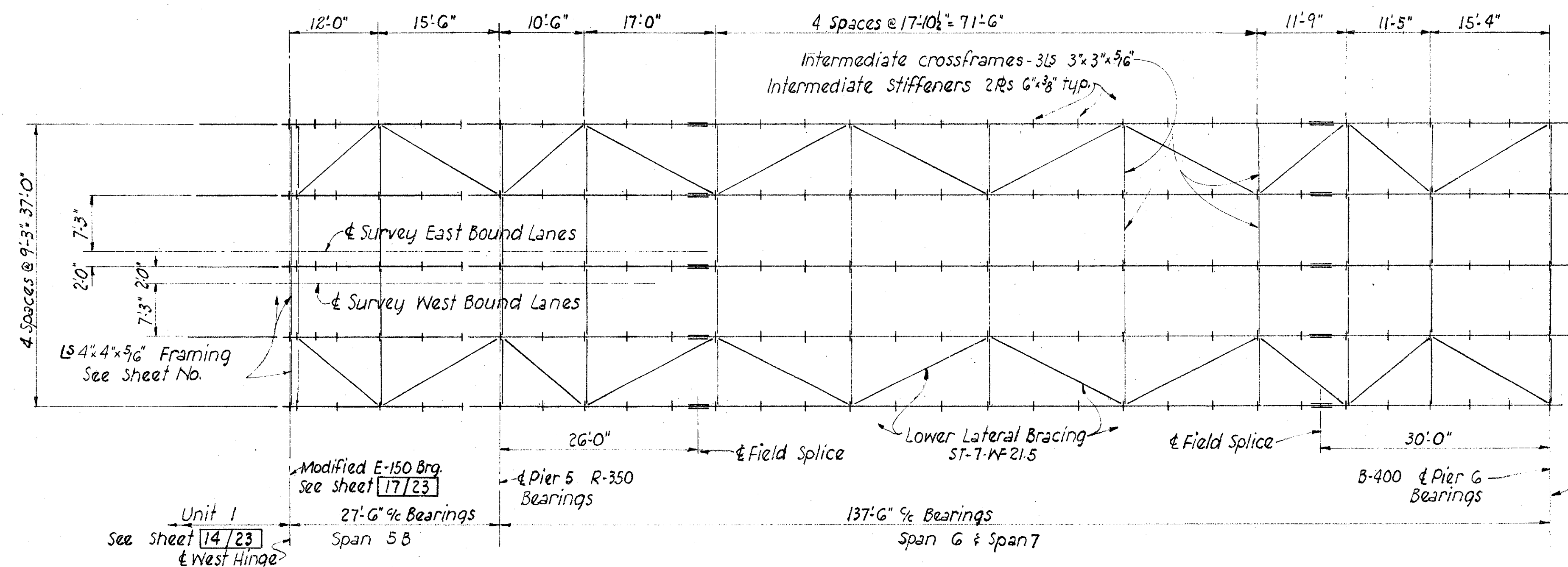
PARTIAL ELEVATION OF GIRDER (UNIT NO. 1)

Intermediate stiffeners are not shown
Lateral connections are not shown

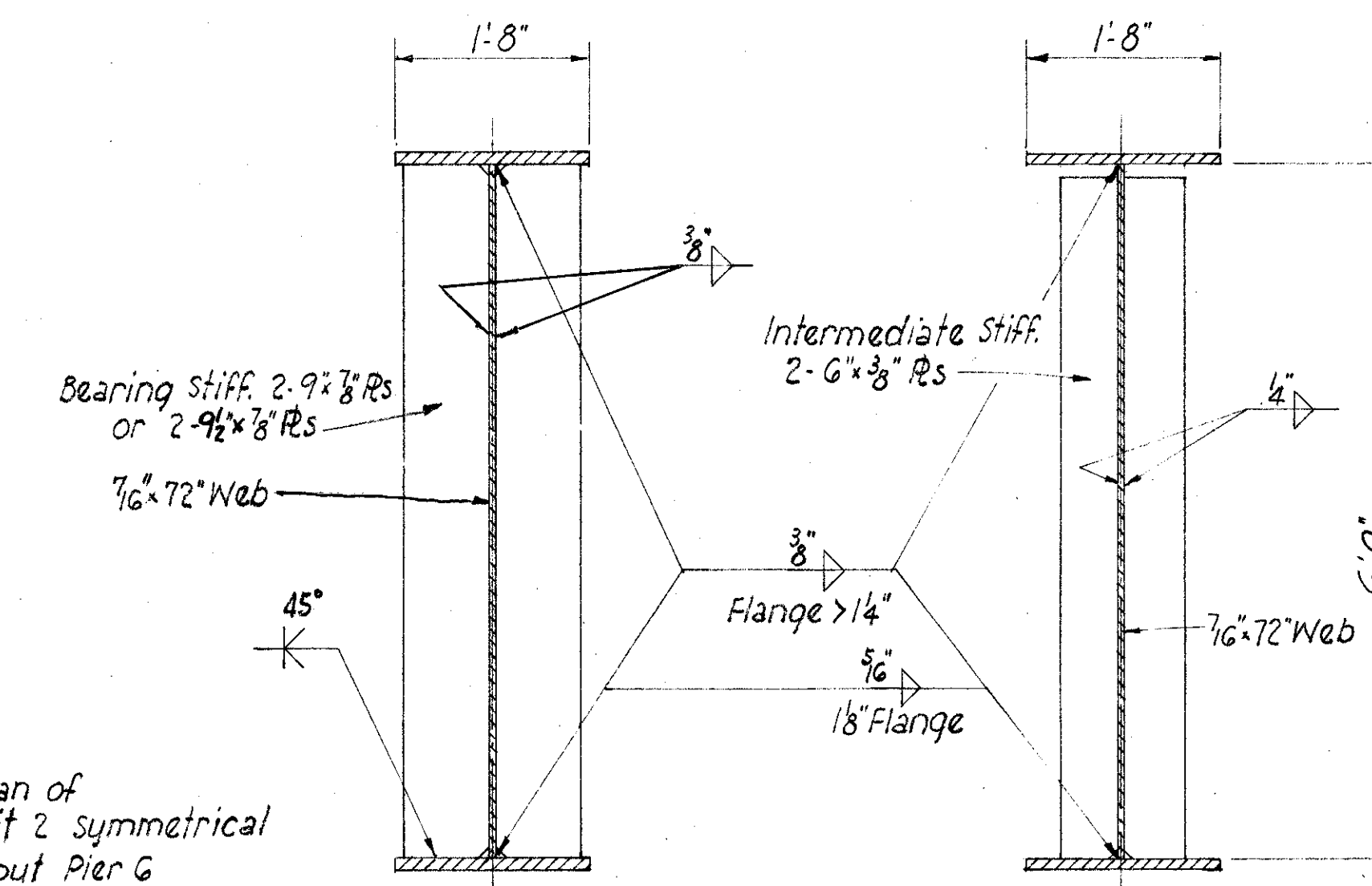
See Sheet 17/23 for Sec. A~A, Sec. B~B, Sec. C~C,
Sec. D~D, and West Hinge Details

STATE OF OHIO DEPARTMENT OF HIGHWAYS DIVISION OF DESIGN AND CONSTRUCTION BUREAU OF BRIDGES		14 / 23
STRUCTURAL STEEL DETAILS UNIT 1 BRIDGE NO. SCI-52-1881 L&R OVER SCIOTO RIVER		
DESIGNED J.D.R.	DRAWN J.D.R.	TRACED MPB
CHECKED MPB	REVIEWED BFG	DATE 9-12-69
REVISED		

SCI-52-16.74

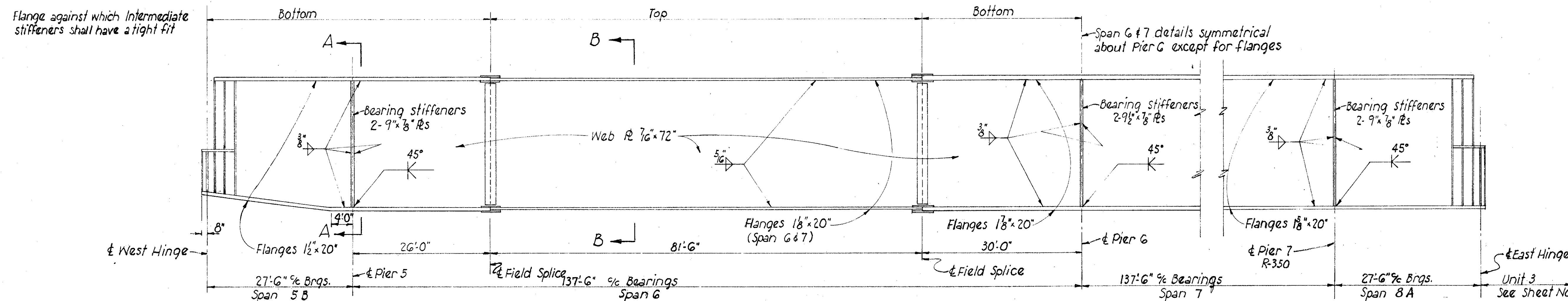


PARTIAL PLAN OF STEEL FRAMING



SECTION A-A
BEARING STIFFENERS

SECTION B-B
INTERMEDIATE STIFFENERS
Intermediate stiffeners shall clear the tension flange by 1/4". They shall have contact bearing with the compression flange as per 513.15.



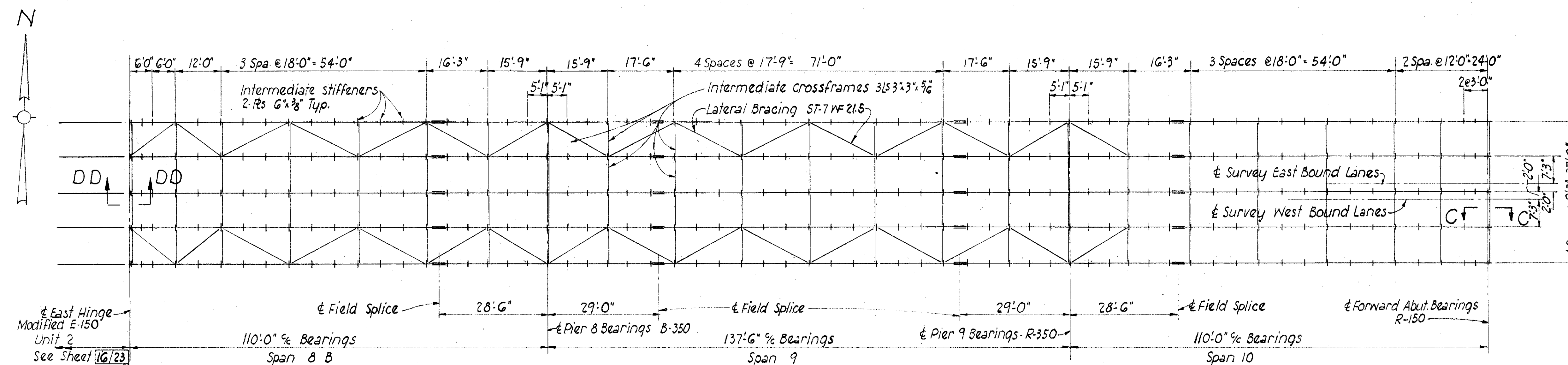
PARTIAL ELEVATION OF GIRDER (UNIT 2)
Intermediate stiffeners are not shown, Lateral connections are not shown

RECORDED
FEB 18 1962

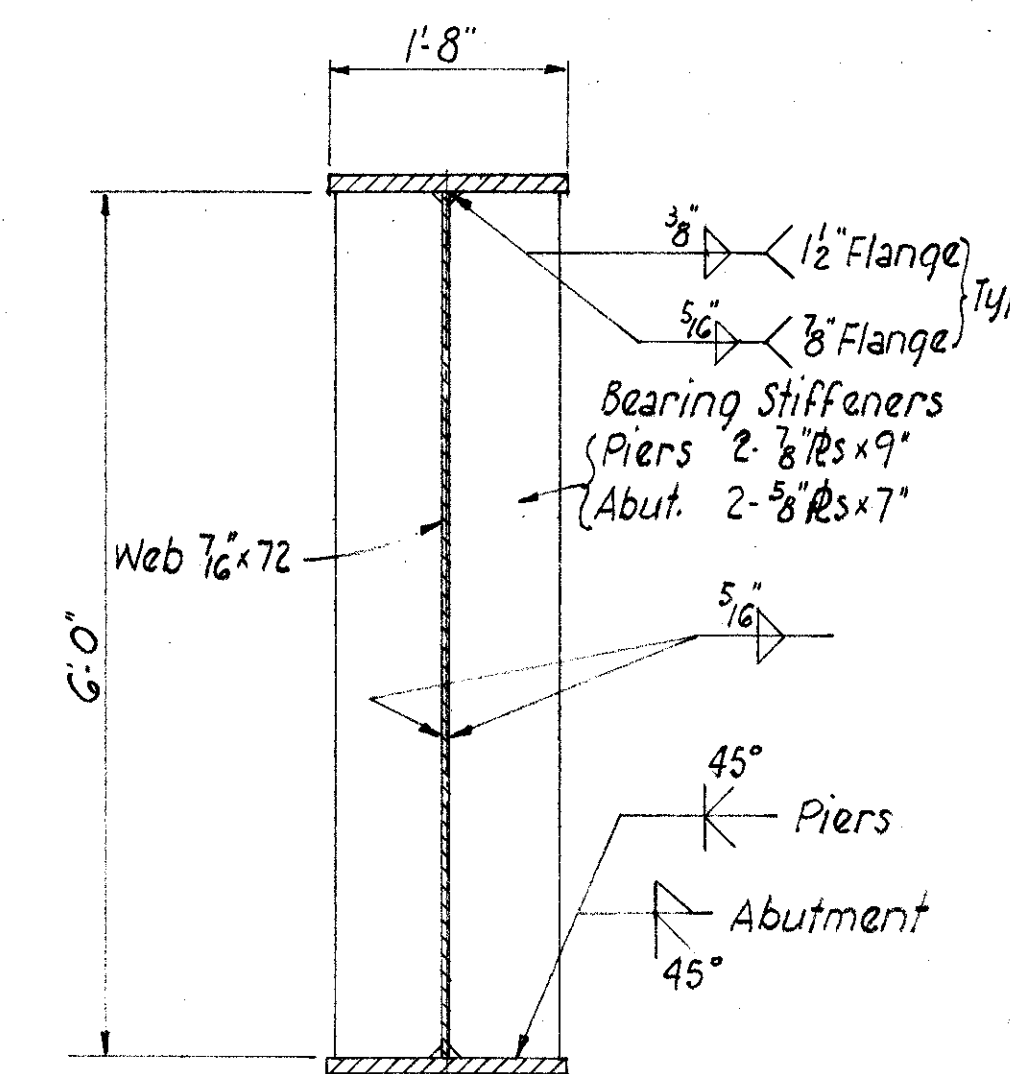
FED. RD. DIVISION	STATE	PROJECT
2	OHIO	

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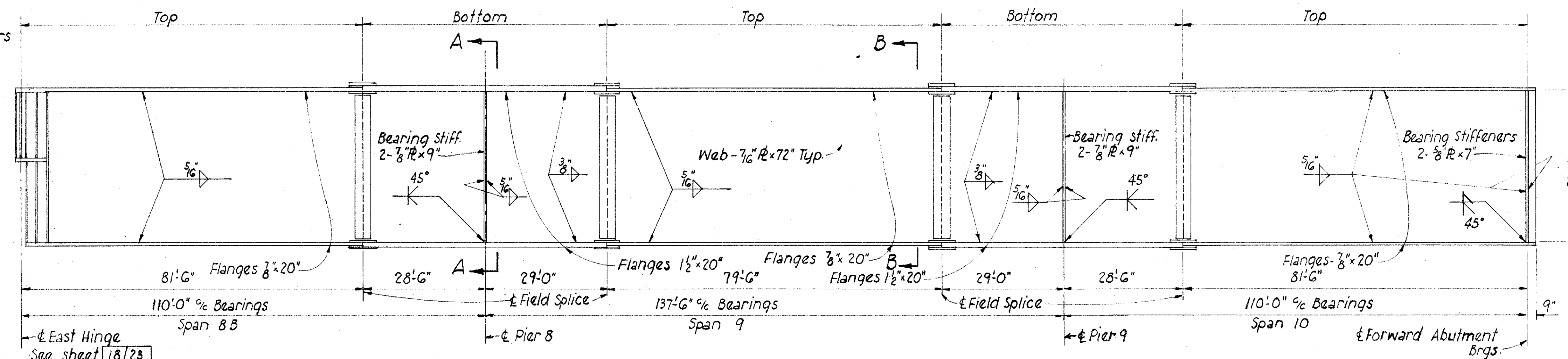


PLAN OF STEEL FRAMING

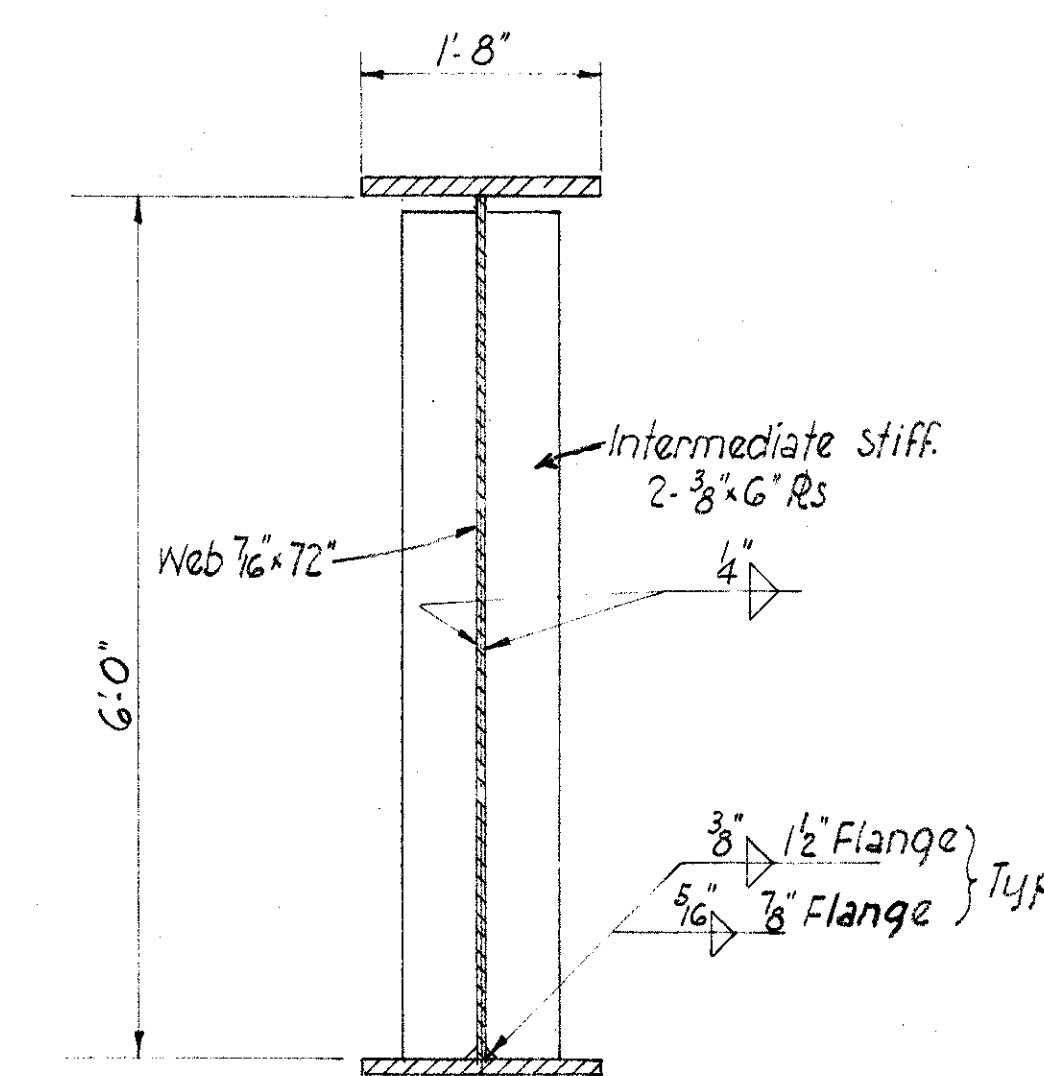


SECTION A-A
BEARING STIFFENERS

Flange against which
Intermediate Stiffeners
shall have a tight fit



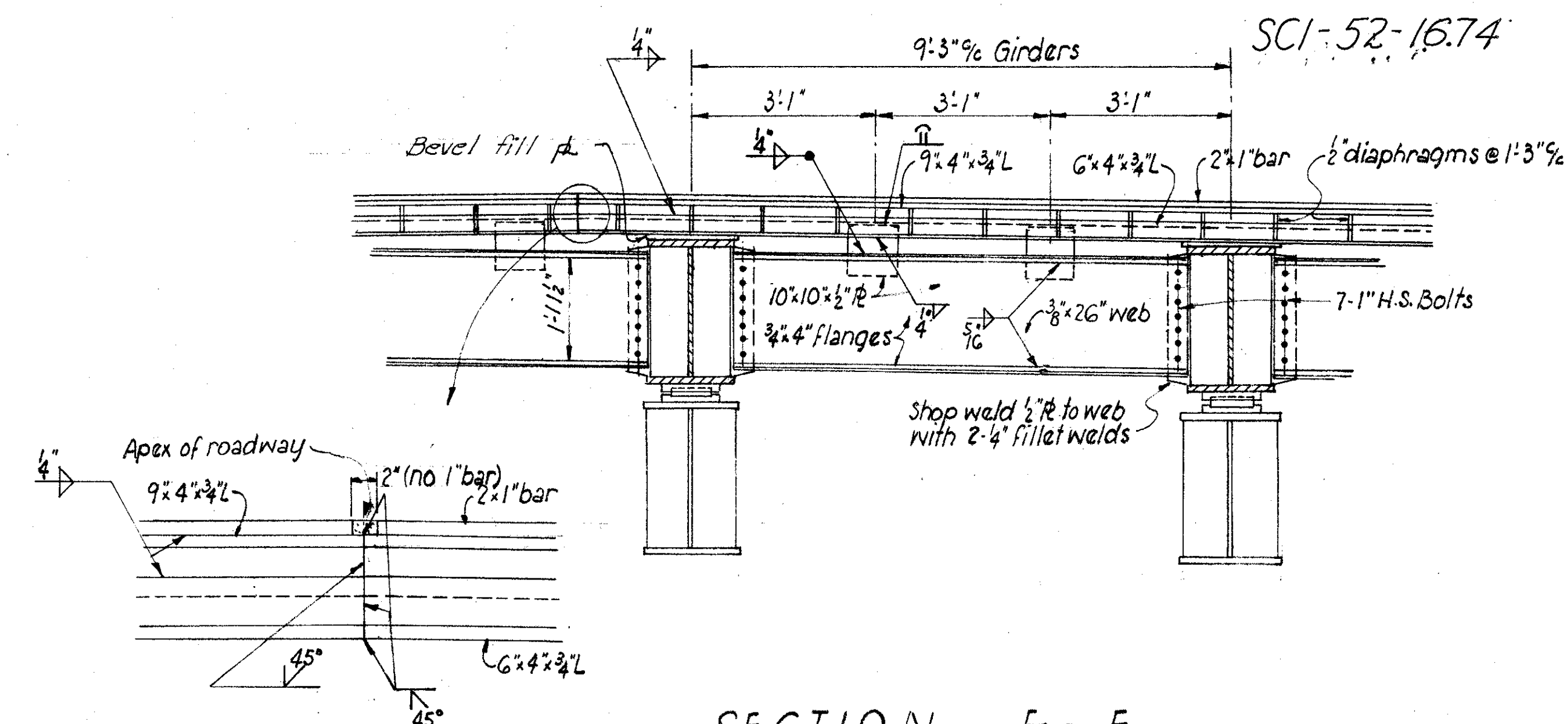
ELEVATION OF GIRDER (UNIT NO. 3)
Intermediate Stiffeners are not shown.
Lateral connections are not shown.



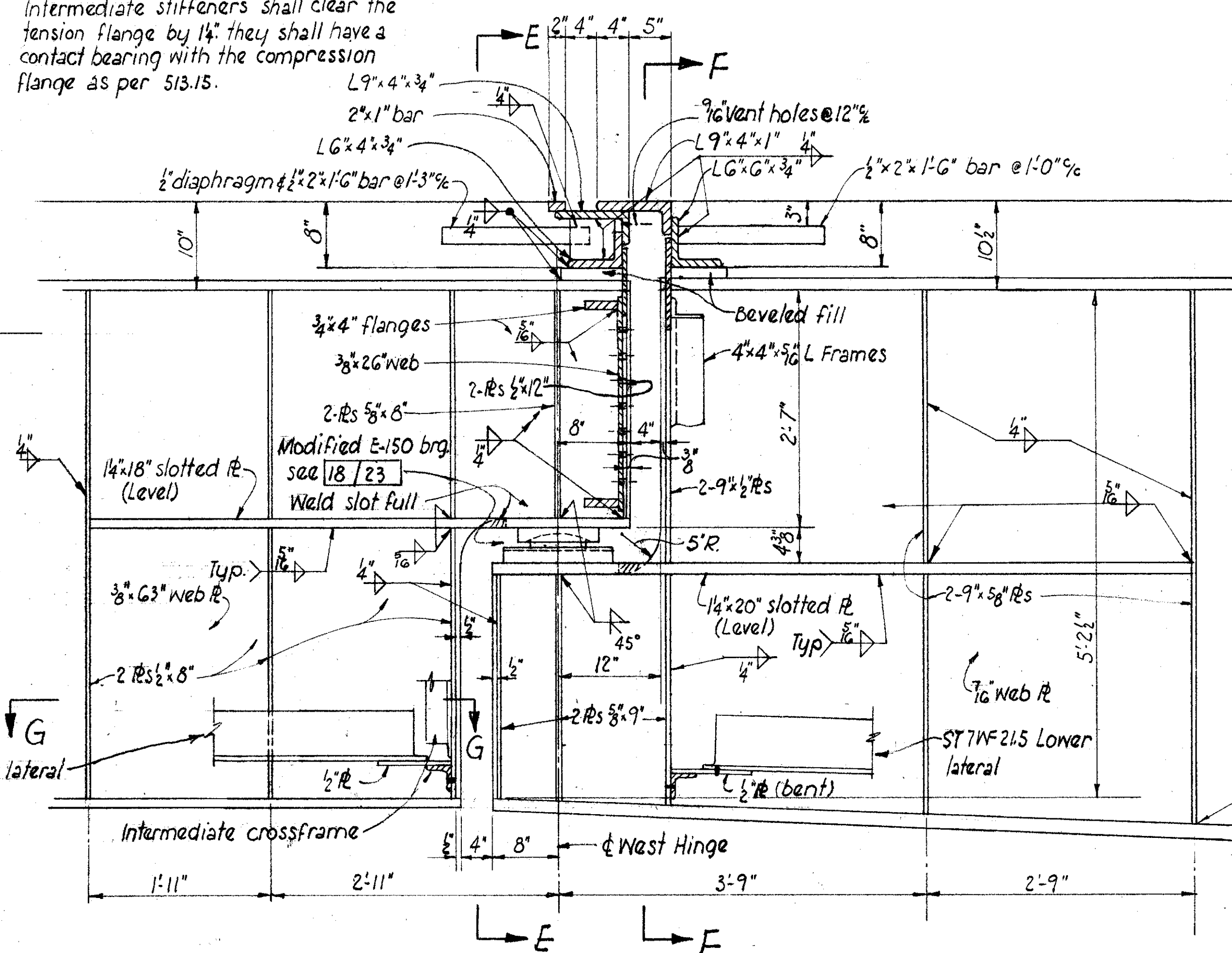
SECTION B-B
INTERMEDIATE STIFFENERS
Intermediate stiffeners shall clear the tension flange
by 1/4". They shall have contact bearing with the
compression flange as per 513.15.

For Section C-C See Sheet 17/23
For Section DD-DD See Sheet 18/23

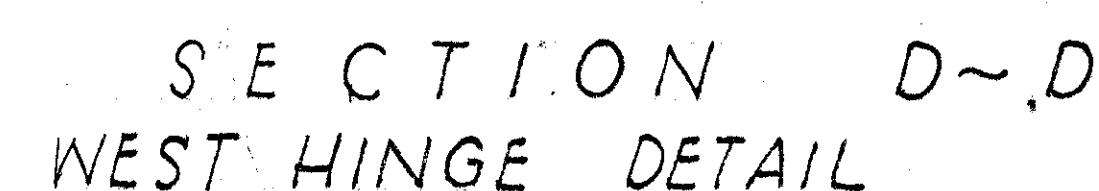
STATE OF OHIO DEPARTMENT OF HIGHWAYS DIVISION OF DESIGN AND CONSTRUCTION BUREAU OF BRIDGES		16/23
STRUCTURAL STEEL DETAILS UNIT 3 BRIDGE NO. SCI-52-1881 L&R OVER SCIOTO RIVER		
DESIGNED JDR	DRAWN JDR	TRACED MPB
CHECKED BFG	REVIEWED 9-12-69	DATE REVISED



SECTION E ~ E

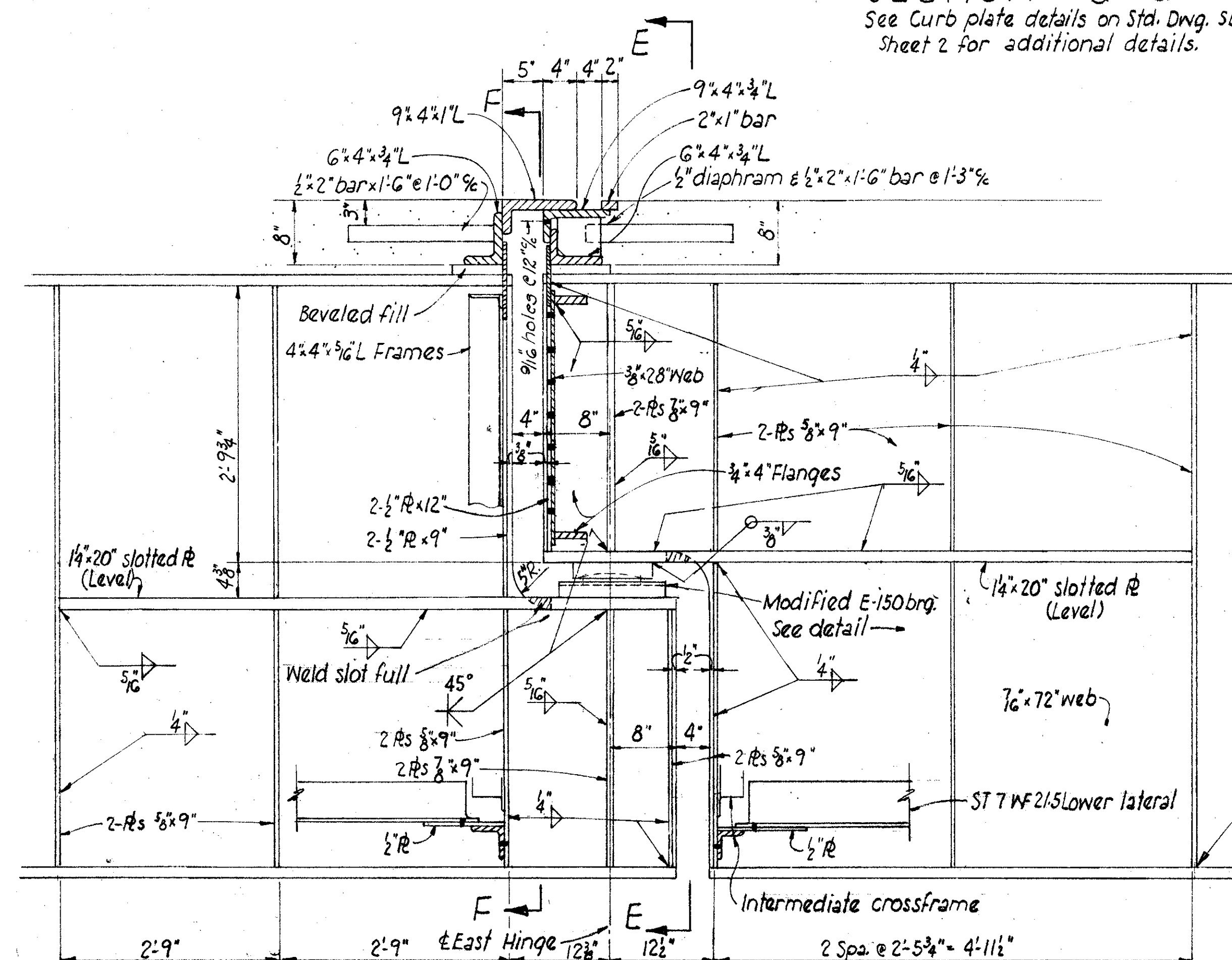
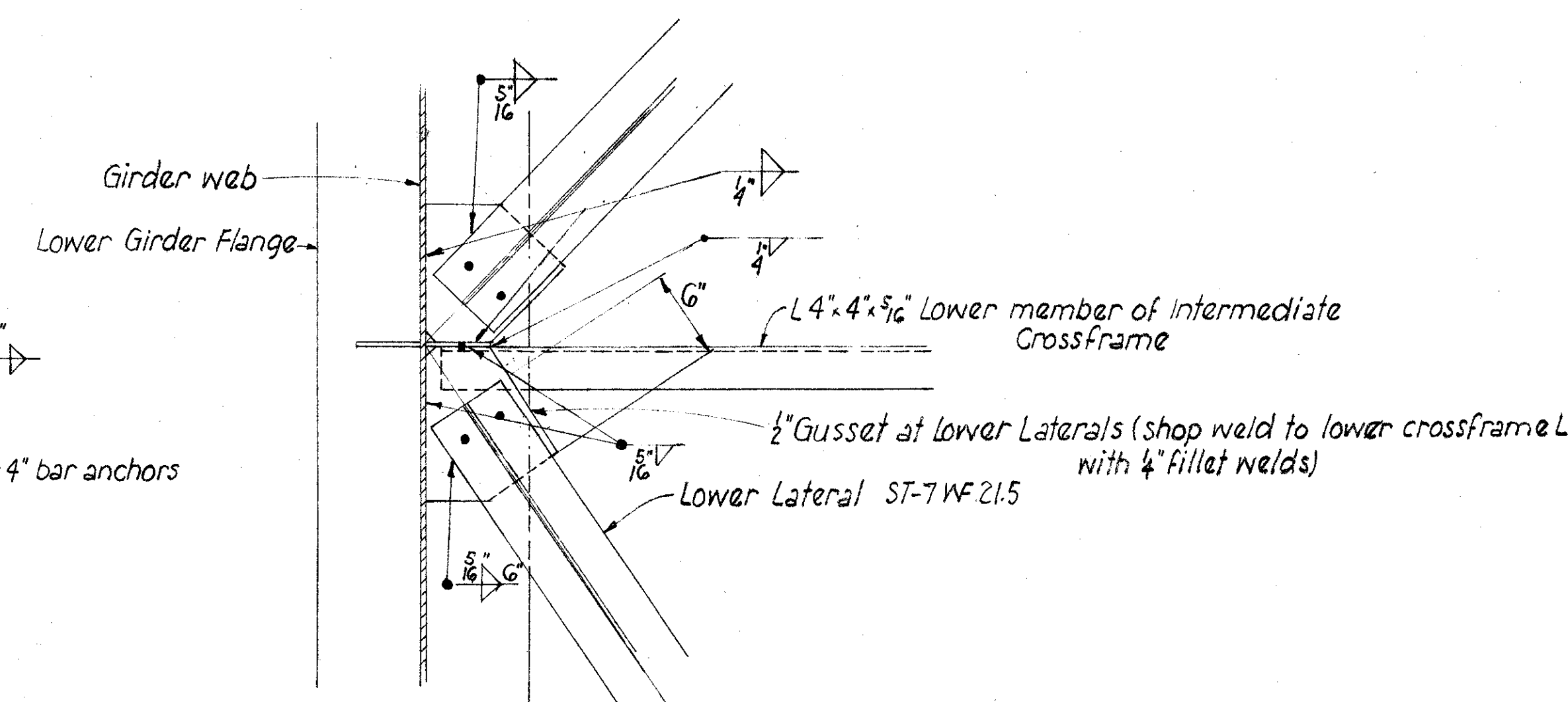
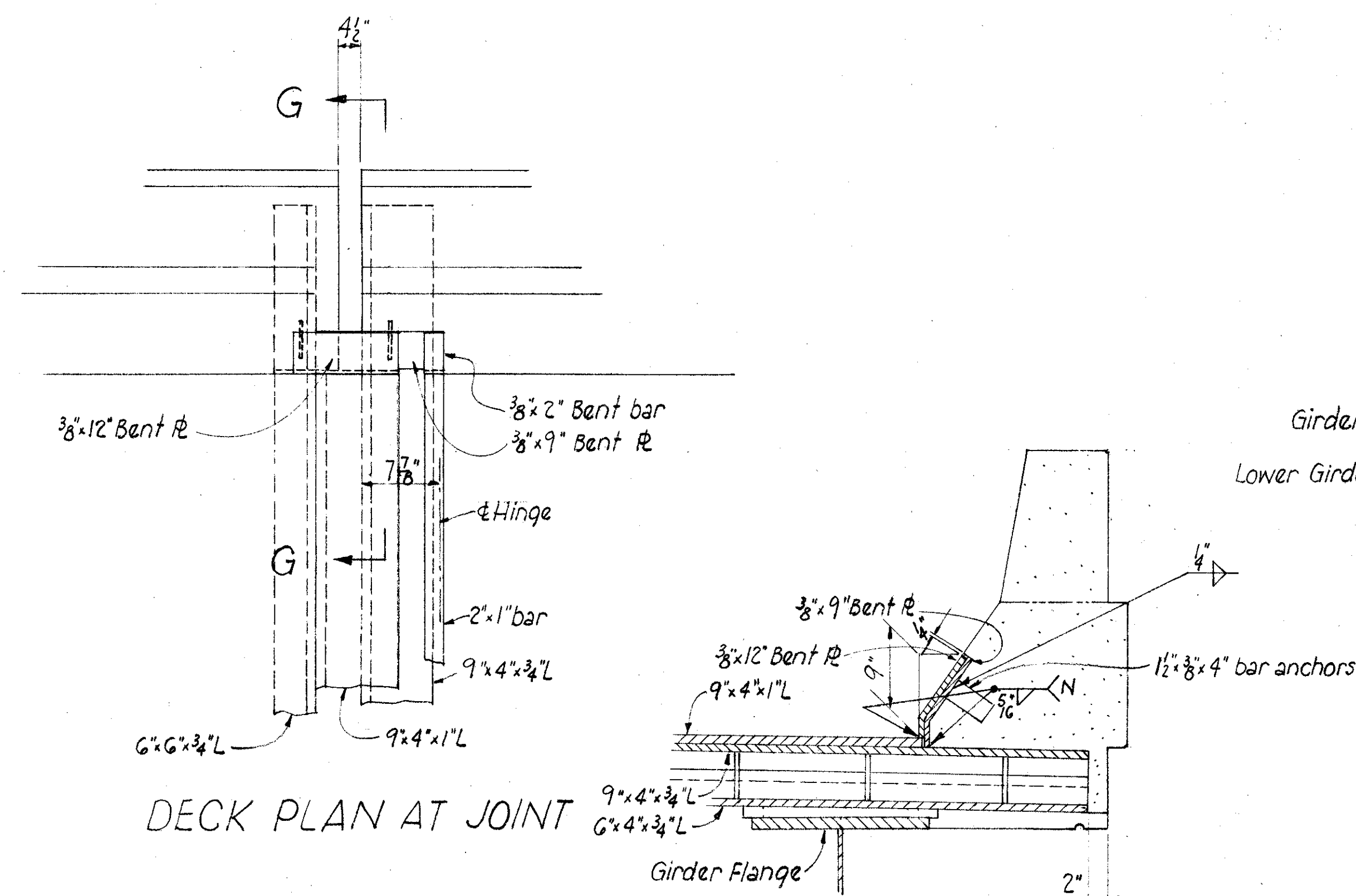
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SECTION F~F

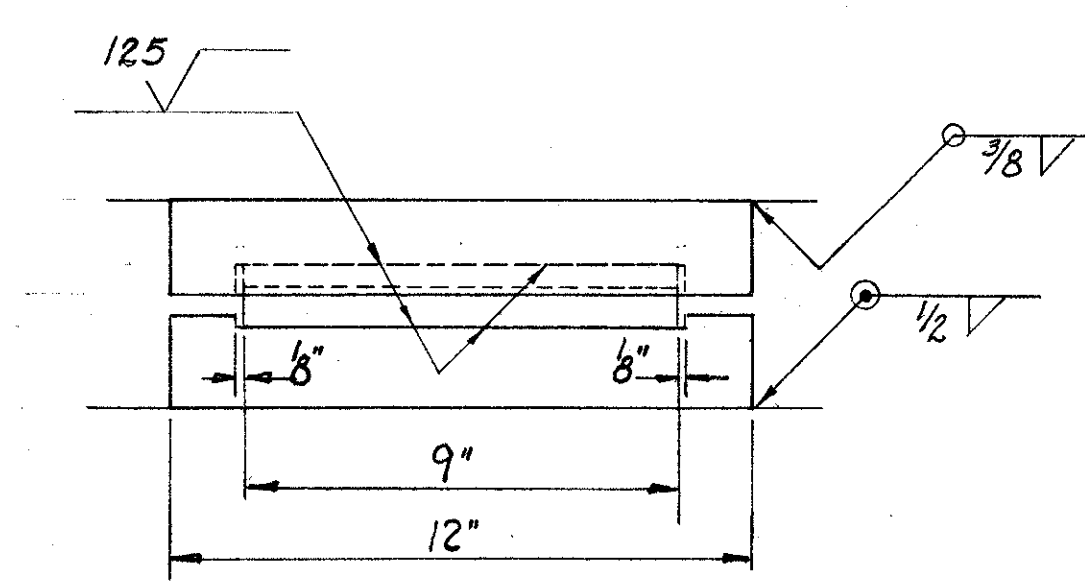
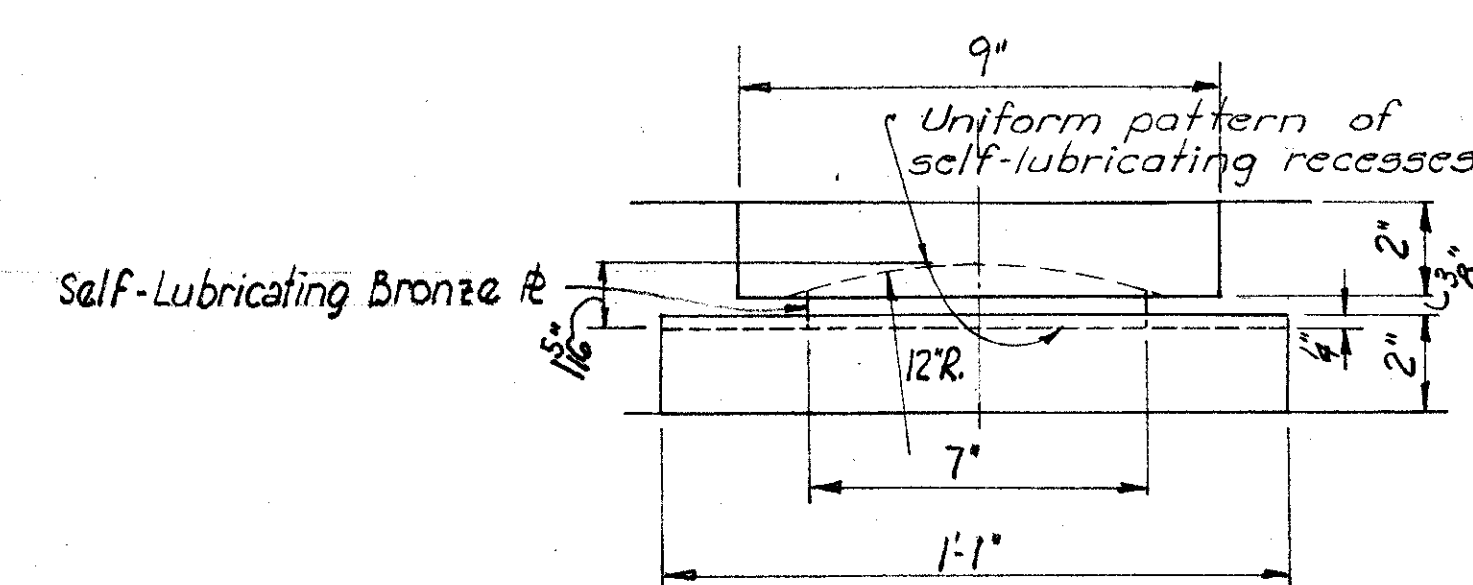


SECTION G-G

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ROCKERS & BOLSTERS SUPPLEMENTING STANDARD DRAWING RB-1-55														
Rocker No.	Bolster No.	A	B	C	D	F	G	H	K	L	M	R	T	Y
R350	B350	4	22	4	3 1/2	3/4	14	21 1/2	15	30	27	13 1/2	3 1/2	1 1/2
	B400	4 1/2	24	4 1/2	-	7/8	-	23 1/2	17	32	-	14 1/2	4	2 3/4



For specifications refer to Supplemental Specification 927

For Section E-E & F-F See sheet 17/23
these sections are similar except for some material sizes.

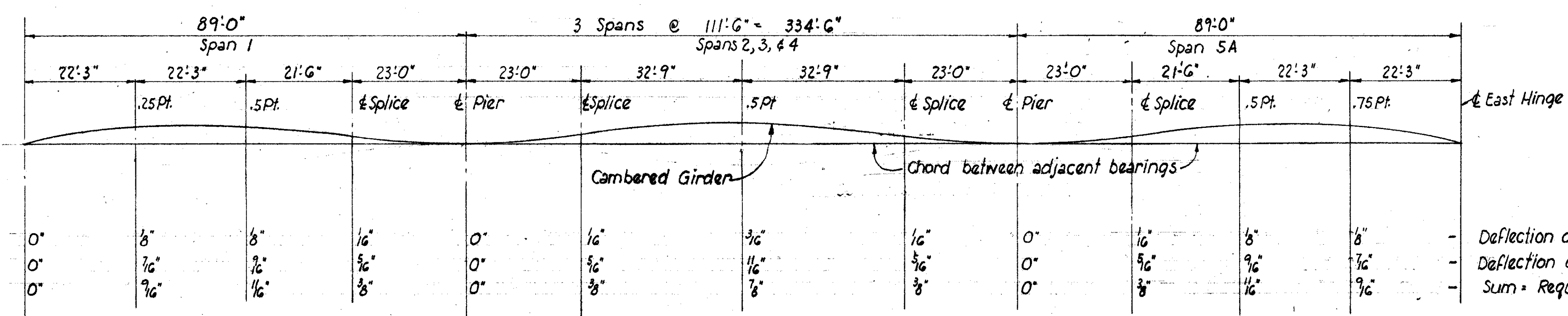
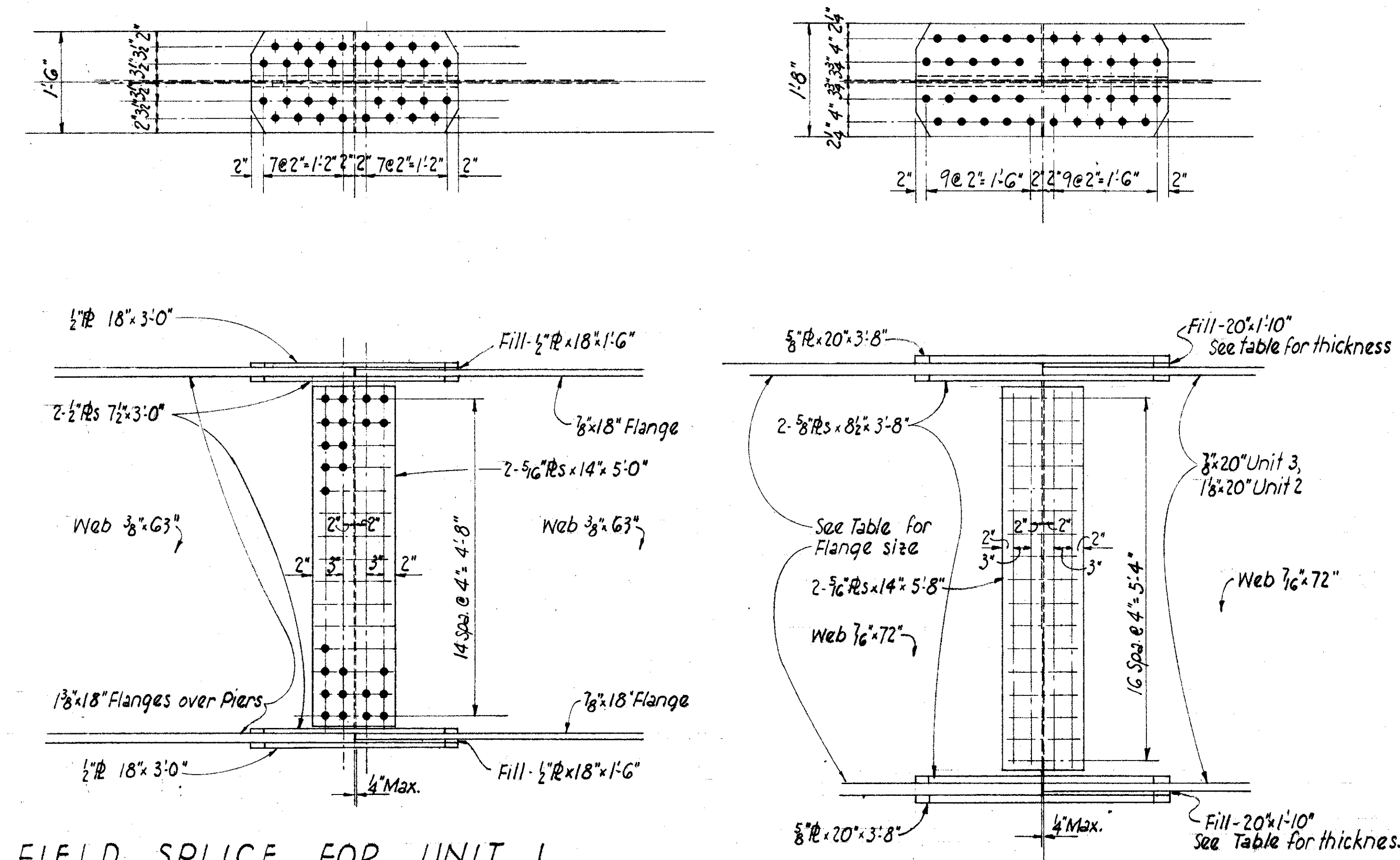
STATE OF OHIO DEPARTMENT OF HIGHWAYS DIVISION OF DESIGN AND CONSTRUCTION BUREAU OF BRIDGES						18/23
STRUCTURAL STEEL DETAILS MISC. DETAILS BRIDGE NO. SCI-52-188/L&R OVER SCIOTO RIVER						
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
J.D.R.			MPB	BFG	9-12-69	

RECEIVED
FEB 1 1962

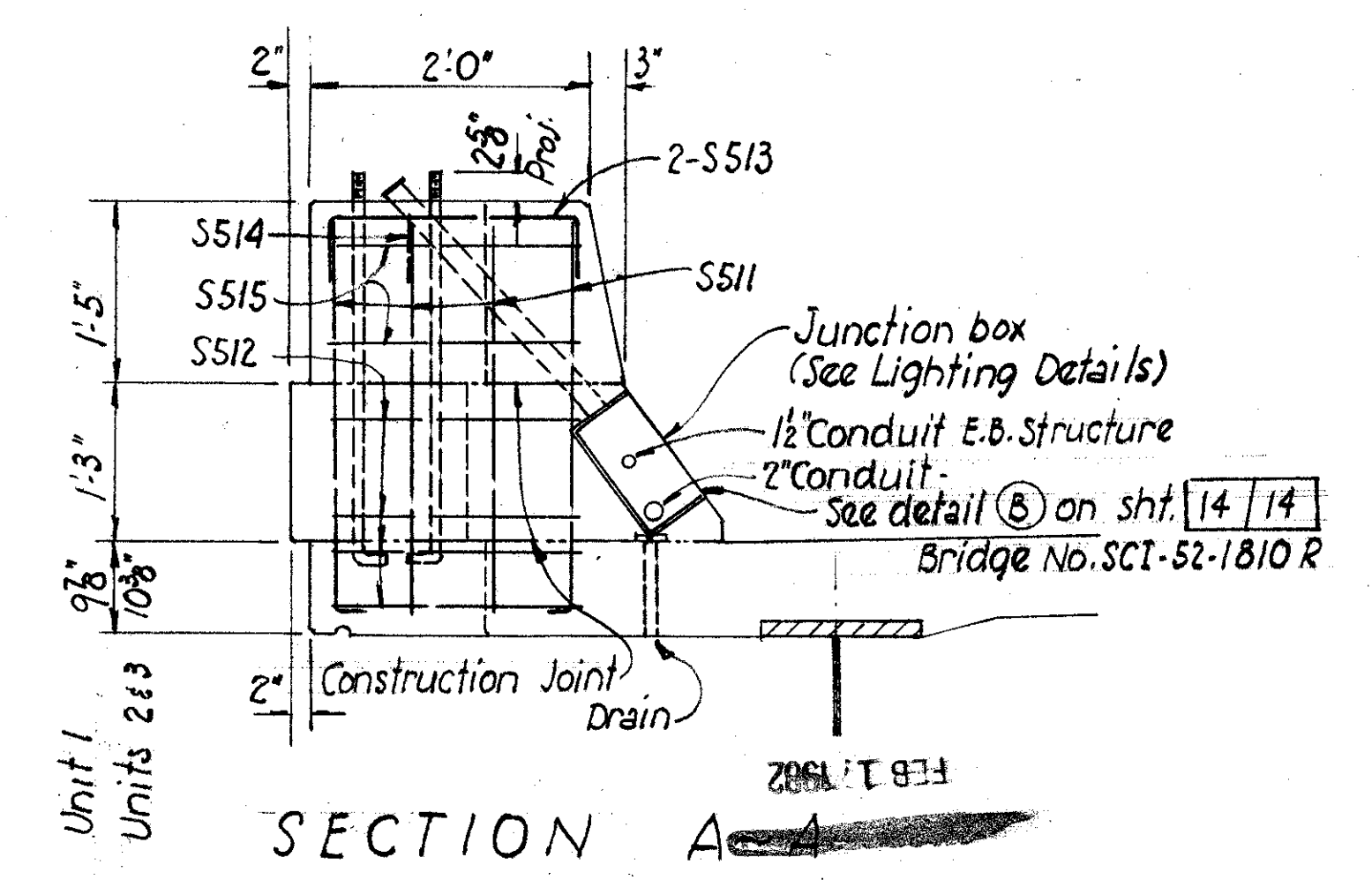
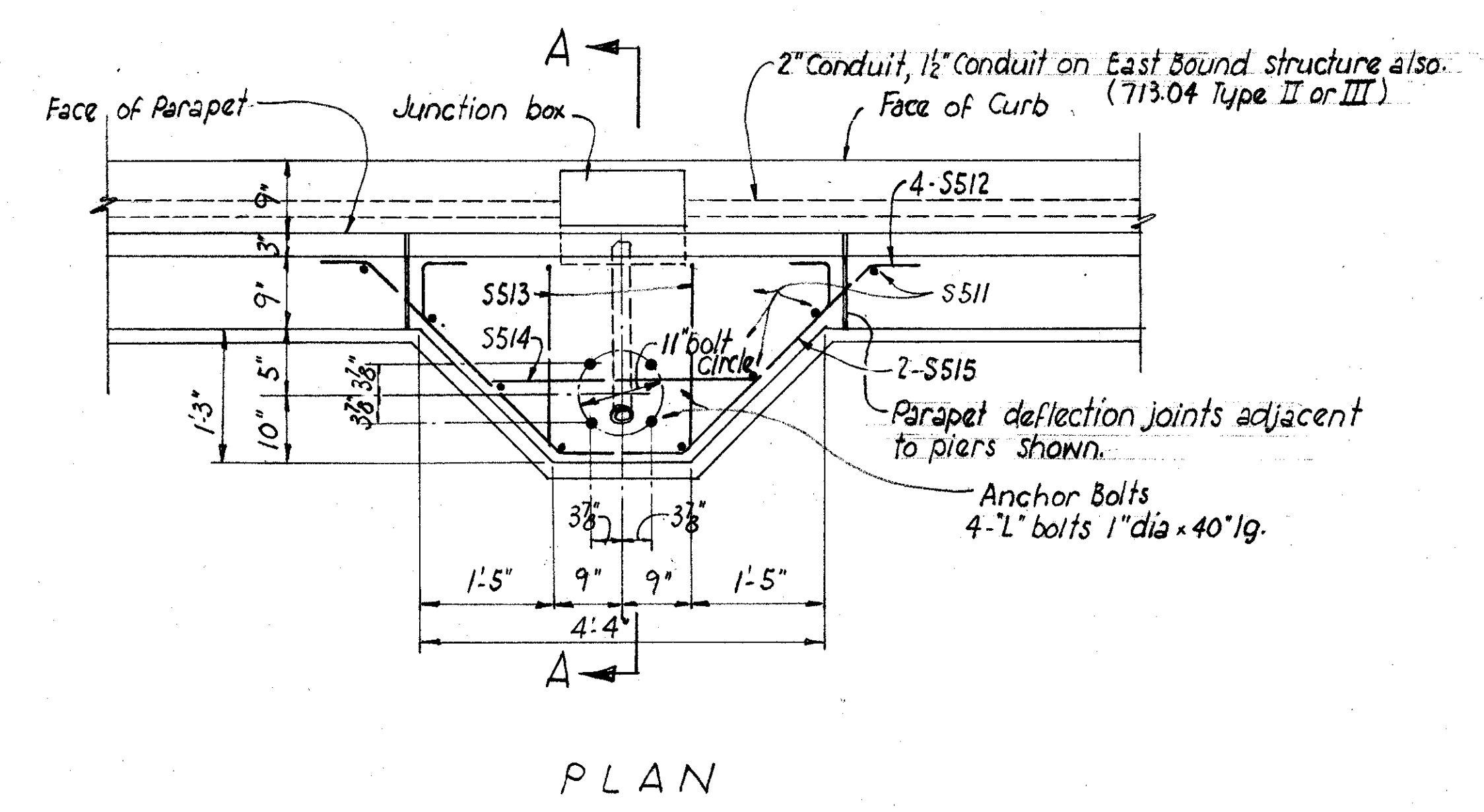
SCI-52-16.74

TABLE OF FILL THICKNESS

Span	Flange	Fill thickness
Span 6	1 1/2" x 20"	3/8"
Span 7	1 1/2" x 20"	3/4"
Span 8, 9, & 10	1 1/2" x 20"	5/8"



DEFLECTION AND CAMBER FOR UNIT 1



LIGHTING PILASTER DETAILS

Refer to Std. Dwg. HL-3 & HL-4 for LIGHTING DETAILS
ELECTRICAL QUANTITIES, including anchor bolts, grounding, conduit, and junction boxes shall be included with Item 625 for payment.
BOLTS shall be 1" High strength unless otherwise noted.

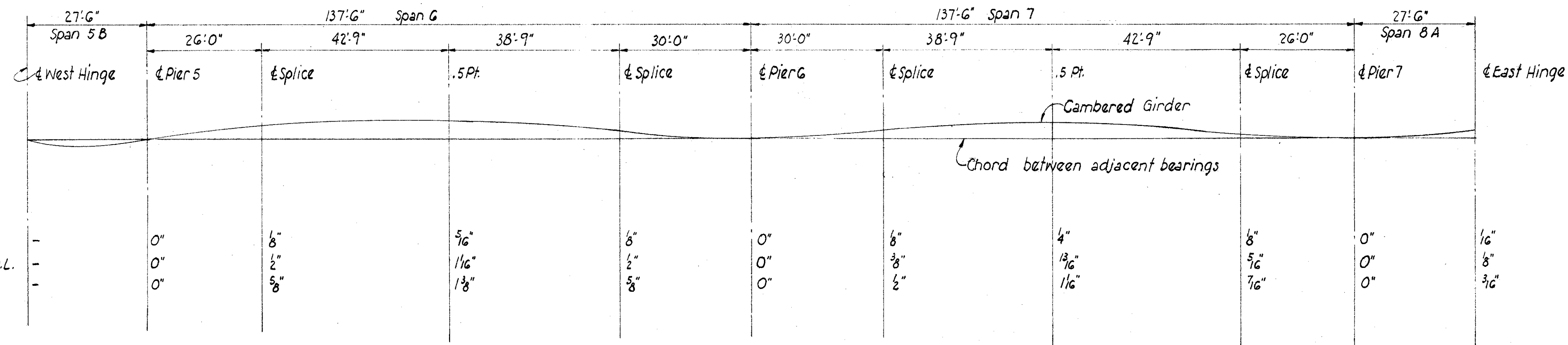
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FEB 1 1962

FED. RD. DIVISION	STATE	PROJECT
2	OHIO	

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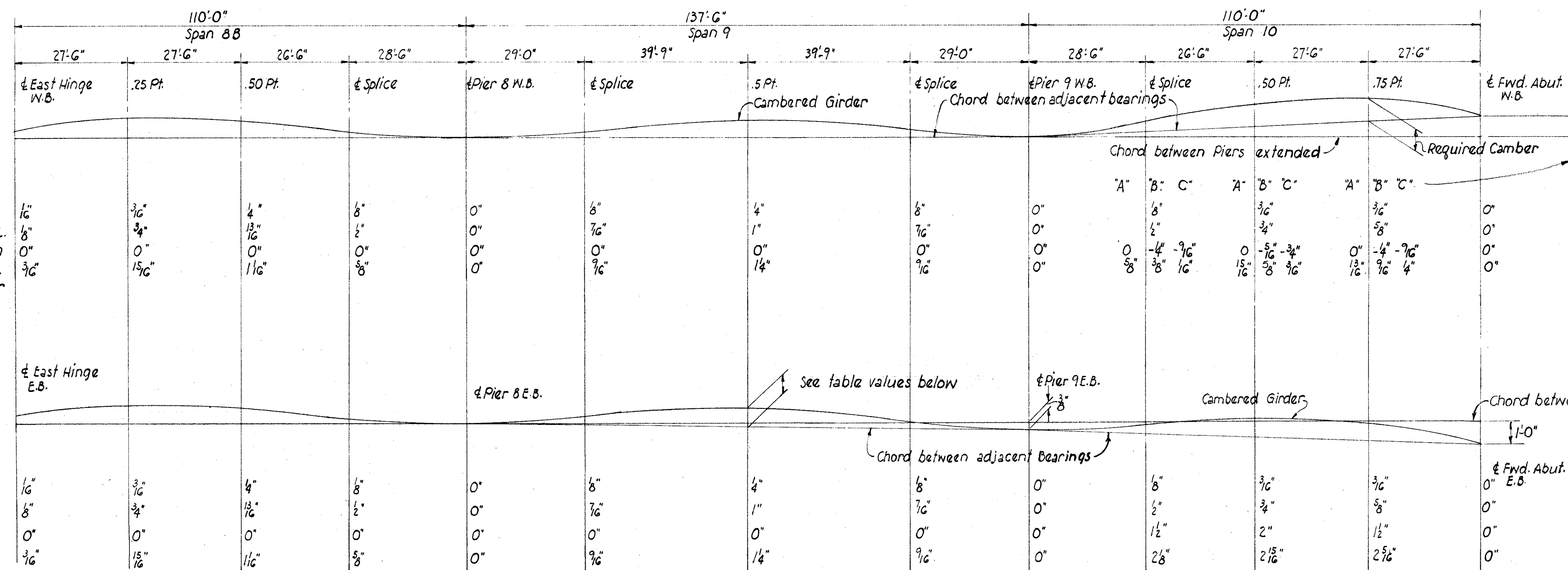
SCI-52-16.74

Deflection due to D.L. Steel
Deflection due to Remaining D.L.
Sum = Required Camber



DEFLECTION AND CAMBER FOR UNIT 2

Deflection Due To D.L. Steel
Deflection due to Remaining D.L.
Adjustment Regd. due to transition
West Bound Structure Sum = Regd. Camber



Deflection Due to D.L. steel
Deflection due to Remaining D.L.
Adjustment Regd. for Vert. Curve
East Bound Structure Sum = Regd. Camber

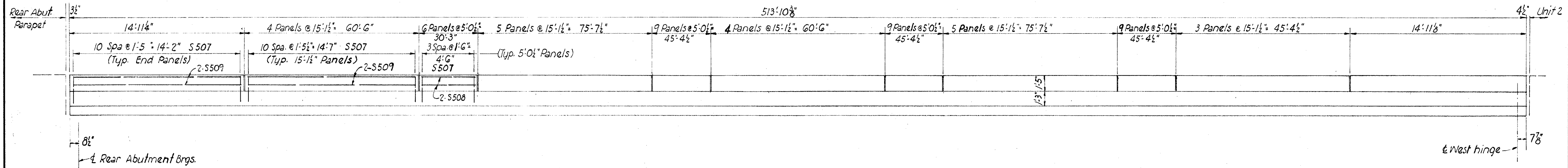
DEFLECTION AND CAMBER FOR UNIT 3

STATE OF OHIO DEPARTMENT OF HIGHWAYS DIVISION OF DESIGN AND CONSTRUCTION BUREAU OF BRIDGES		20	23
STRUCTURAL STEEL DETAILS CAMBER DATA BRIDGE NO. SCI-52-1881 L&R OVER SCIOTO RIVER			
DESIGNED J.D.R.	DRAWN J.D.R.	CHECKED M.P.B.	REVIEWED B.F.G. 9-12-69

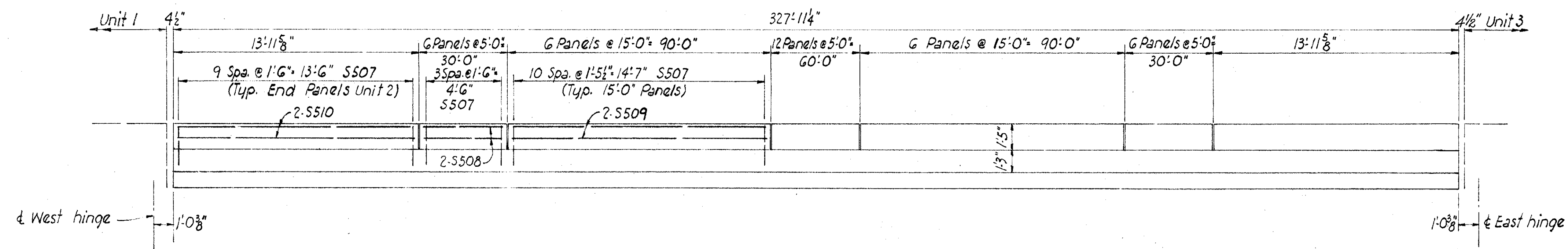
FEB 17 1962

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		388

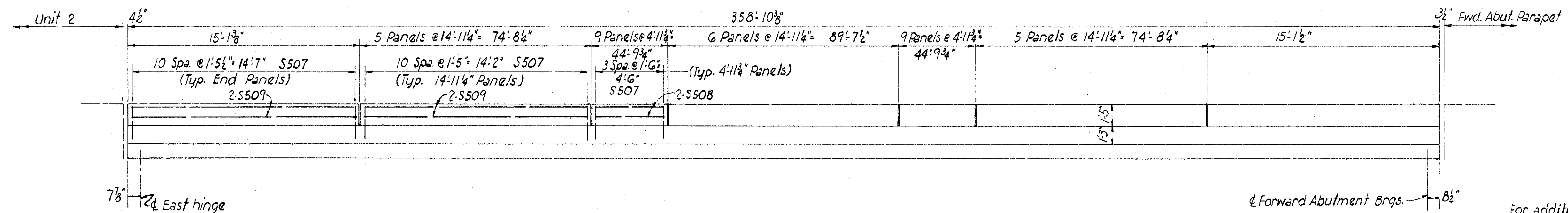
SCI-52-16.74



UNIT 1 PARAPET



UNIT 2 PARAPET



UNIT 3 PARAPET

For additional details see sheets 6/23, 7/23, 13/23, and Standard Drawing BR-1-67.

PREFORMED EXPANSION JOINT filler in the parapet deflection joints may be either 4" gray sponge rubber or 4" gray cellular polyvinyl chloride sponge. Either material shall meet the requirements of AASHTO M-153, type I, except that the density of the PVC sponge shall not be less than 20 lb. per cu.ft.

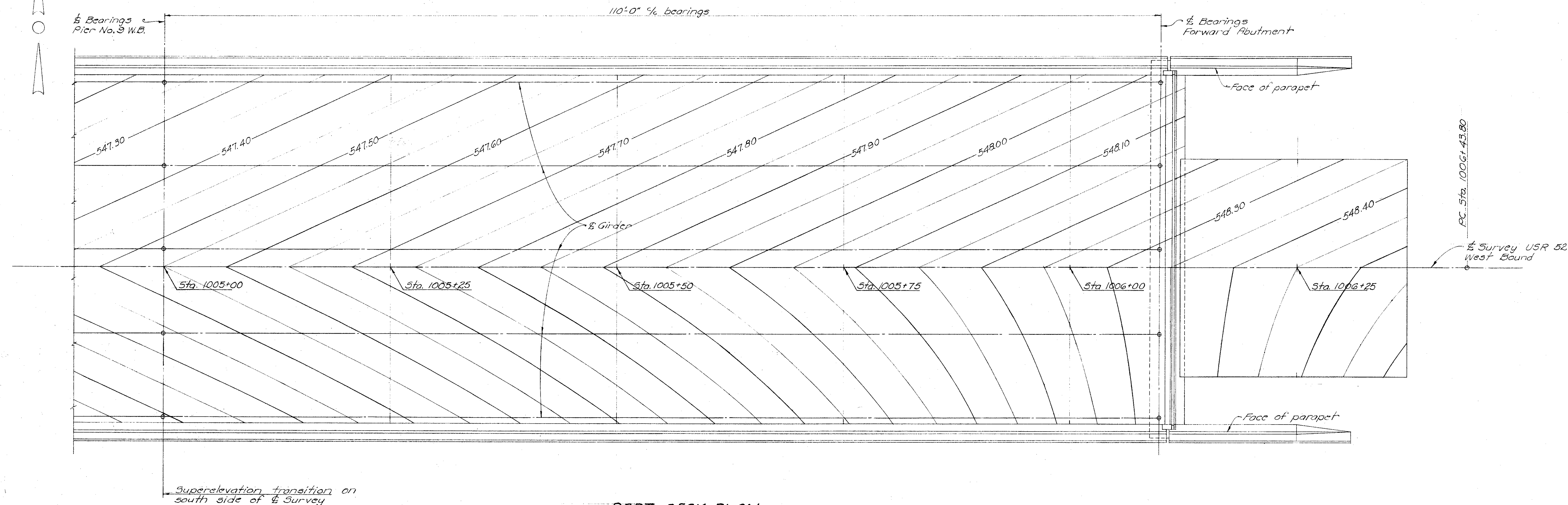
STATE OF OHIO DEPARTMENT OF HIGHWAYS DIVISION OF DESIGN AND CONSTRUCTION BUREAU OF BRIDGES						21/23
PARAPET DETAILS BRIDGE NO. SCI-52-188/L&R OVER SCIOTO RIVER						
DESIGNED JDR.	DRAWN JDR.	TRACED	CHECKED MPB	REVIEWED BFG 9-12-69	DATE	REVISED

MICROFILMED
FEB 17 1982

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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PART DECK PLAN
Showing proposed surface
Elevations on West Bound Bridge

STATE OF OHIO DEPARTMENT OF HIGHWAYS DIVISION OF DESIGN AND CONSTRUCTION BUREAU OF BRIDGES						22/23
SUPERSTRUCTURE DETAILS DECK ELEVATIONS BRIDGE NO. SCI-52-188/ L&R OVER SCIOTO RIVER						
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
	MPB				9-12-69	

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STATE OF OHIO DEPARTMENT OF HIGHWAYS DIVISION OF DESIGN AND CONSTRUCTION BUREAU OF BRIDGES						23 / 23
REINFORCING STEEL LIST BRIDGE NO. SCI-52-1881 L&R OVER THE SCIOTO RIVER						
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISION
J.D.R.		G.F.J.	MPB	BFG	9-12-69	