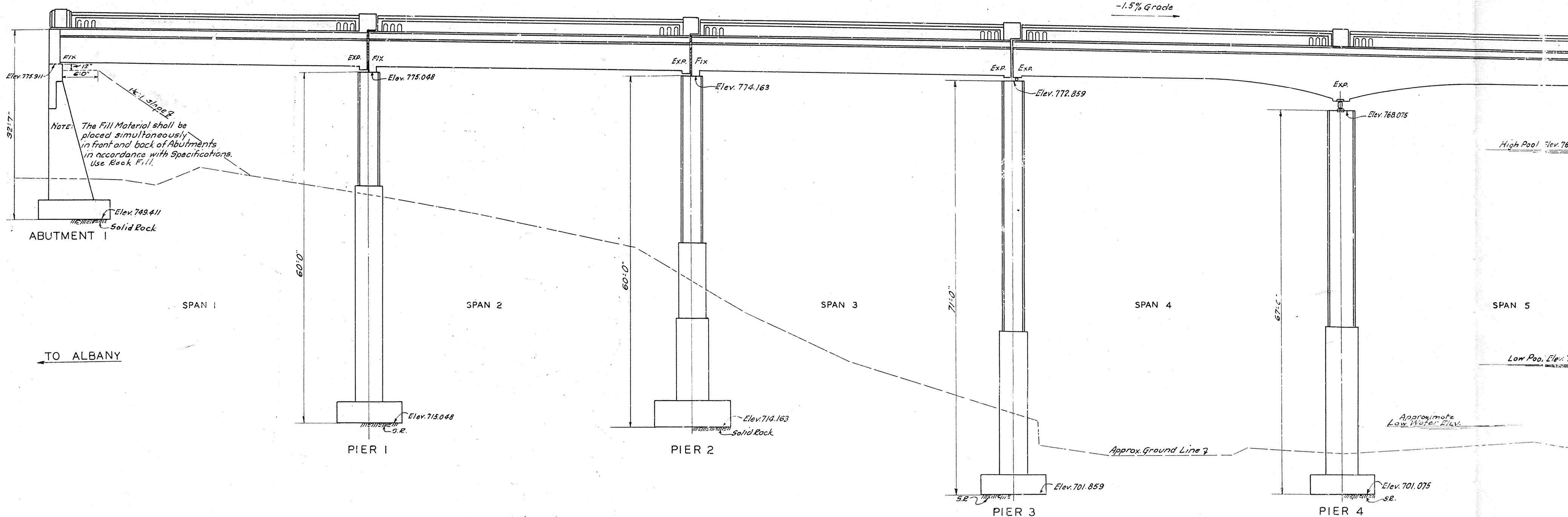


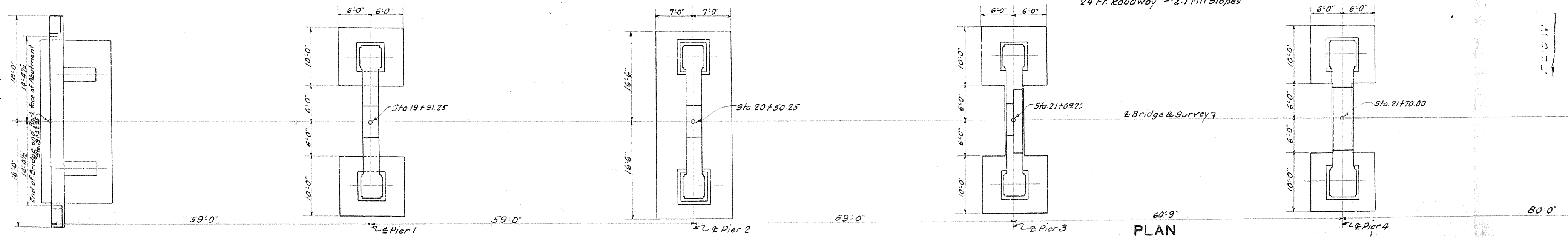
CONSTRUCTION ELEVATIONS ON & SURVEY

Elevations show include Construction Camber. These Elevations shall be maintained with falsework in place. Elevations shown are top of slab on & Survey.



ELEVATION

4-59'-0" RC DECK GIRDER SPANS & 201'-6" CONTINUOUS SPAN
24 Ft. Roadway - 12:1 Fill Slopes

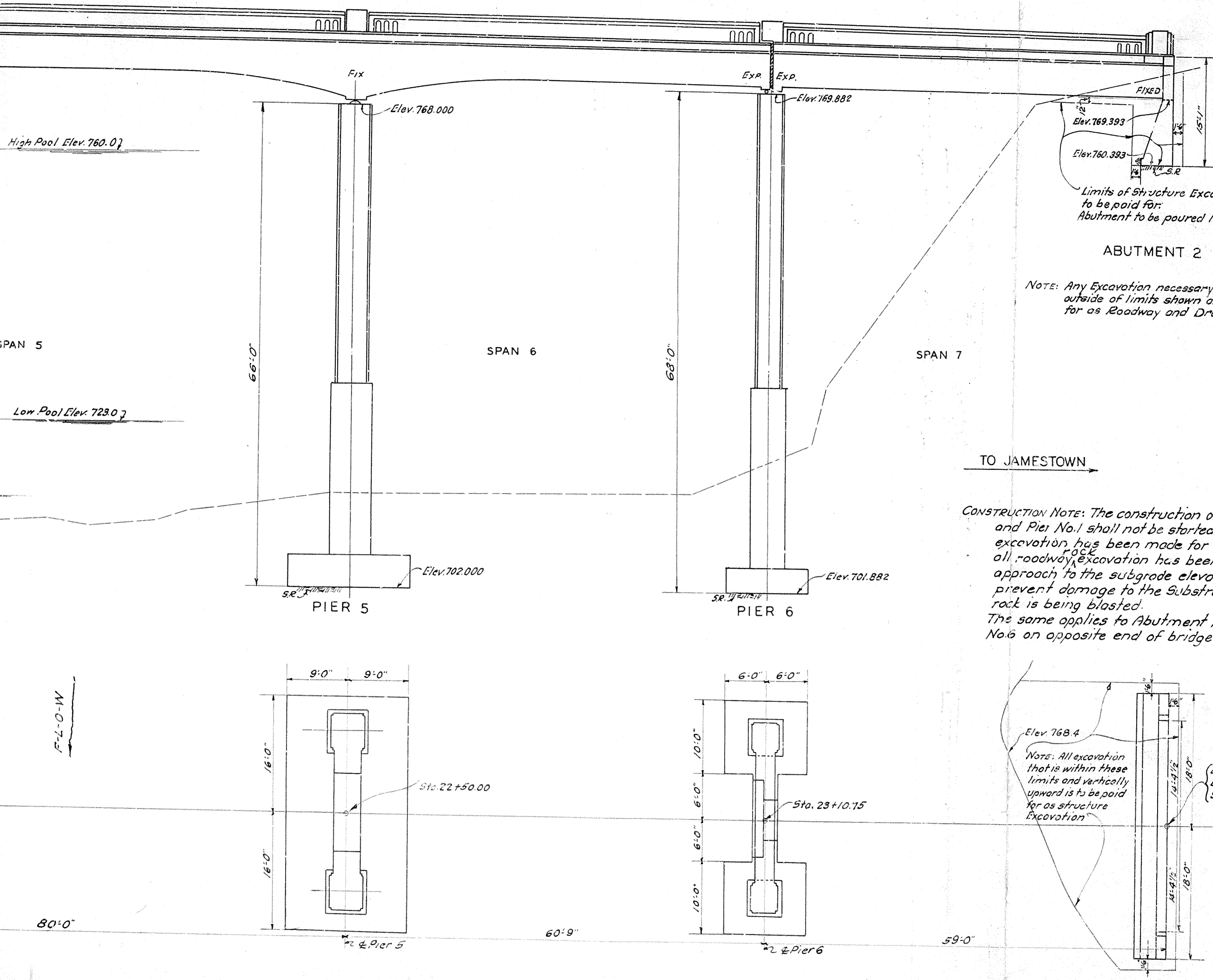
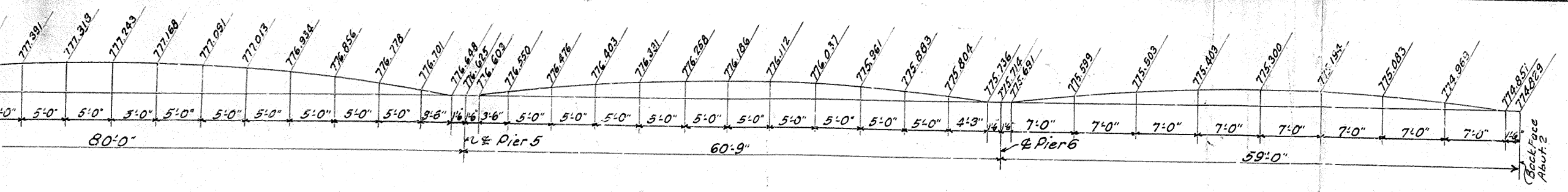


PLAN

(Superstructure Removed)

BRIDGE

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ABUTMENT 2

NOTE: Any Excavation necessary to complete the work outside of limits shown at Abutment 2 to be paid for as Roadway and Drainage Excavation.

CONSTRUCTION NOTE: The construction of Abutment No.1 and Pier No.1 shall not be started until all rock excavation has been made for both and until all roadway excavation has been made on the approach to the subgrade elevation. This is to prevent damage to the substructure while rock is being blasted. The same applies to Abutment No.2 and Pier No.6 on opposite end of bridge.

NOTE: All excavation that is within these limits and vertically upward is to be paid for as structure excavation.

REFERENCES AND ESTIMATE OF QUANTITIES							
ITEM	DRWG. NO. 8279	Class A Concrete Cu. Yds.	Class D Concrete Cu. Yds.	Reinforcement Lbs.	Structure Excavation Common Cu. Yds.	Structure Excavation Solid Rock Cu. Yds.	Bronze Plates Lbs.
Abutment 1	Sheet 1	87.7		10520	80	70	
Pier 1	" 3	151.6		13650	280	300	
" 2	" 4	227.4		24450	480	110	
" 3	" 5	203.1		15640	130	110	
" 4	" 6	242.5		18220	50	70	
" 5	" 7	294.1		40820	220	80	
" 6	" 8	197.1		14800	220	70	
Abutment 2	" 9	51.4		490	150	40	
Span 1	" 10-11	120.6		22980			304
" 2	" 10-11	118.3		22930			304
" 3	" 10-11	119.1		22920			304
" 4-5 & 6	" 12-14-15 & 16	402.3		34630			
" 7	" 10-11	121.0		22990			304
Expansion Dam and Sheet	" 17						10900
Handrail	" 18		41.7	8450			
Soundings	" 19						
Exp. Material	Std. Drawing G-351						
TOTALS		2336.2	41.7	323550	1610	850	1216

BILL OF INCIDENTAL MATERIAL		
ITEM	No. of Pieces	SIZE AND DESCRIPTION
Prim. G. Jt. Filler	2	5'-6" x 1" x 23'-8"
"	6	1'-5" x 1" x 2'-3"
"	1	6" x 1" x 5'-7 1/2"
"	1	3'-9" x 1" x 23'-8"
"	4	2'-0" x 1/2" x 6'-1"
"	4	1'-6" x 1/4" x 23'-8"
"	3	6" x 1/4" x 1'-6"
Copper Strip	3	3' x 27 1/2" Long

GENERAL NOTE

SPECIFICATIONS: Kentucky Department of Highways, (1945 Standard with Amendments)

DESIGN LOAD: Bridge designed for H-15 loading as specified in A.A.S.H.O. Specifications 1941

CONCRETE: Class A concrete to be used thruout except in Handrail. Class D concrete to be used in Handrail.

REINFORCEMENT: Dimensions shown from face of concrete is clear distance unless otherwise shown. Dimensions for bar spacing are distances center to center of bars. See Emergency Provision No.10

BEVELED EDGES: All exposed edges shall be beveled 1/8 unless otherwise noted.

EXPANSION JOINT MATERIAL - TAR PAPER, The cost of these items to be included in the unit & COPPER STRIP: price bid for Class A concrete.

TAR PAPER: To be commercial grade Tar Paper or Roofing Felt approximately 1/16 thick.

NOTE: The quantities shown in this BILL OF INCIDENTAL MATERIAL on this sheet are approximate only and the Contractor is responsible for furnishing enough material to complete the work in accordance with plans and specifications.

NOTE: Traffic shall be maintained on S.R.35 under Spans 1 & 2 during the construction of this Bridge

STRUCTURE EXCAVATION: Structure Excavation has been calculated in accordance with division II and Section 4 of the Department Standard 1945 Specifications as amended and payment for same shall be in accordance with the Specifications.

CONSTRUCTION JOINTS: All Construction Joints shall be carefully formed. The contractor shall furnish sufficient mixer capacity on the job to place the concrete between the construction joints as noted on the plans in a period not exceeding ten hours continuous run. After one section of the concrete has been placed, the construction joint shall be thoroughly cleaned of all laitance, loose and foreign material just before the concrete takes its final set (which is about six hours). The joints shall then be covered with burlap and kept completely saturated with water. Flush the joint with 1:2 Portland Cement mortar before placing the adjoining concrete section.

FALSEWORK: The falsework supporting beams and slabs in any span of the continuous unit shall not be removed until all beams and slabs in all spans of the continuous unit have been poured for at least Twenty-One (21) days.

RECOMMENDED FOR APPROVAL: _____

BRIDGE ENGINEER.

APPROVED: _____

STATE HIGHWAY ENGINEER.

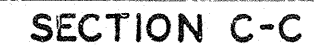
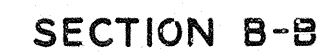
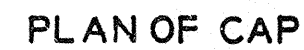
APPROVED: _____

COMMISSIONER OF HIGHWAYS.

BRIDGE OVER GREASY CREEK Sheet 1 of 19

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
RUSSELL
JAMESTOWN - ALBANY
ROAD PROJECT NO.
STATION 21+51.00
BRIDGE NUMBER
DRAWING NO.
8279

BRIDGE



ABUTMENT I

ESTIMATE OF QUANTITIES

Concrete, Class "A"	87.7 Cu.Yds
Reinforcement	10520 Lbs

BRIDGE OVER GREASY CREEK Street 2 of 19

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
RUSSELL
JAMESTOWN — ALBANY

STATION 21 + 51 ROAD PROJECT NO.

BRIDGE NUMBER	DRAWING	IND
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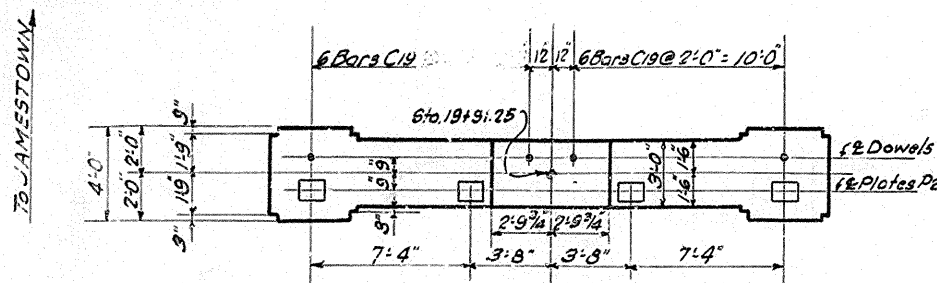
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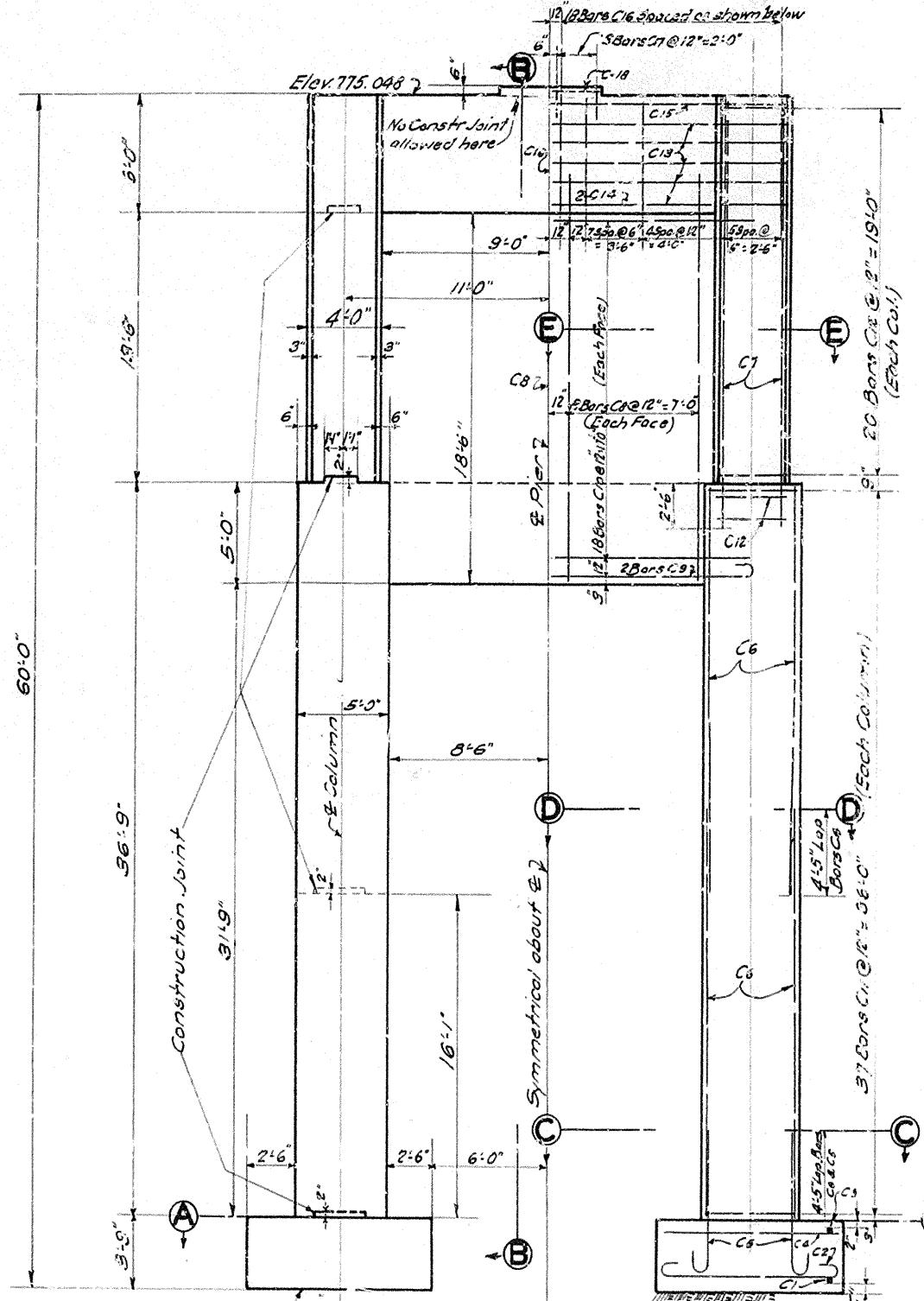
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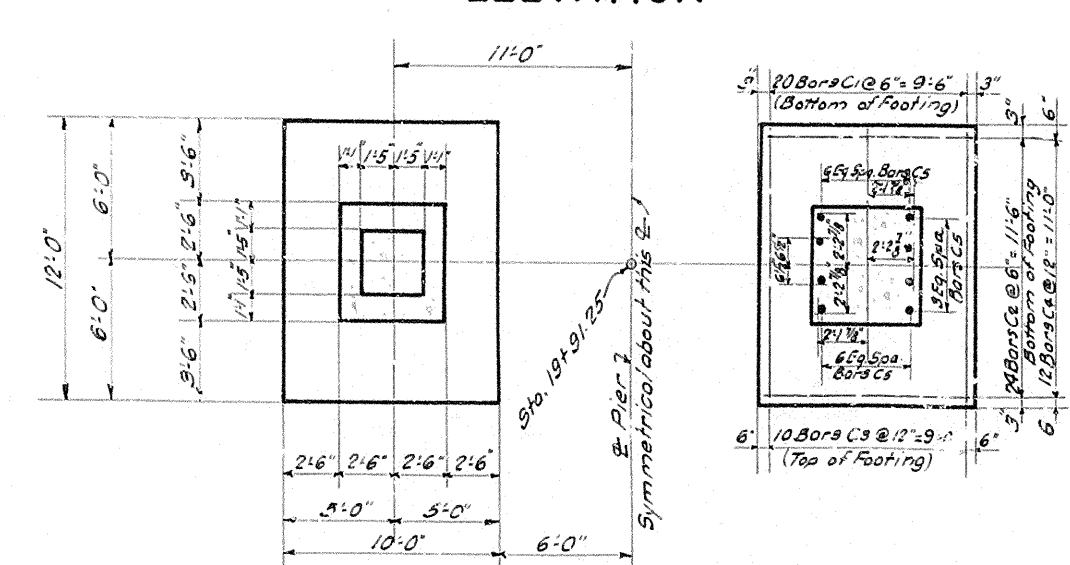
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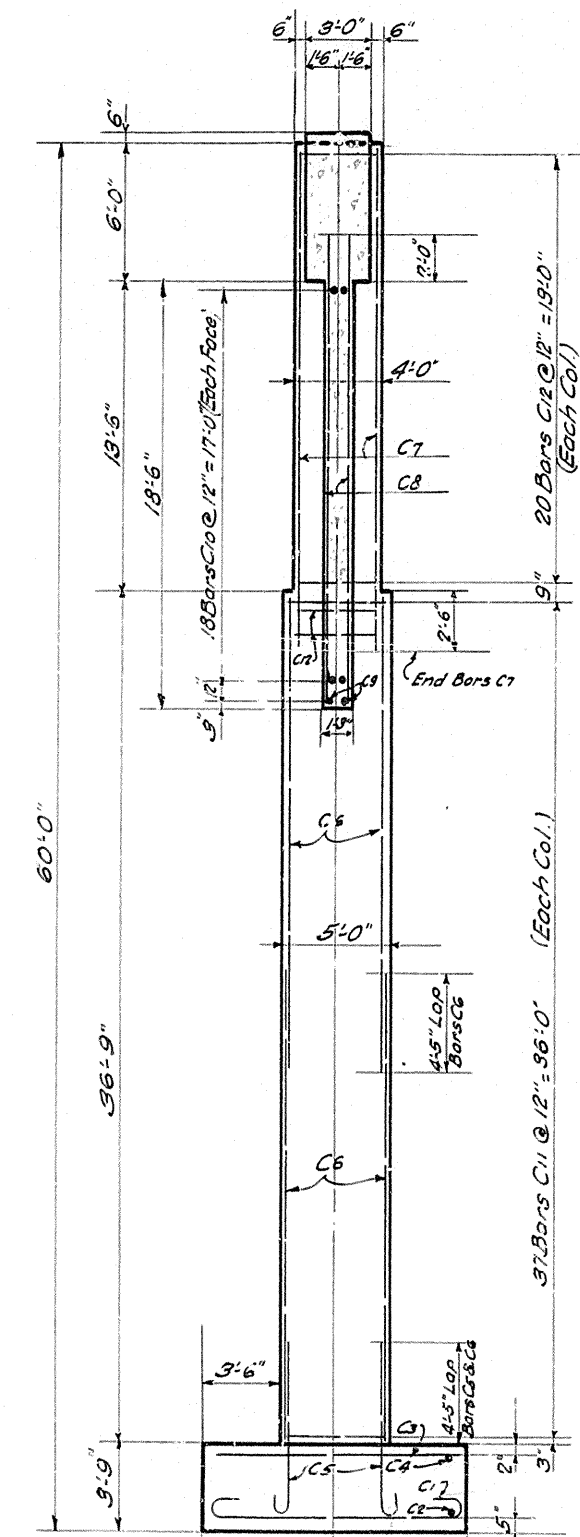
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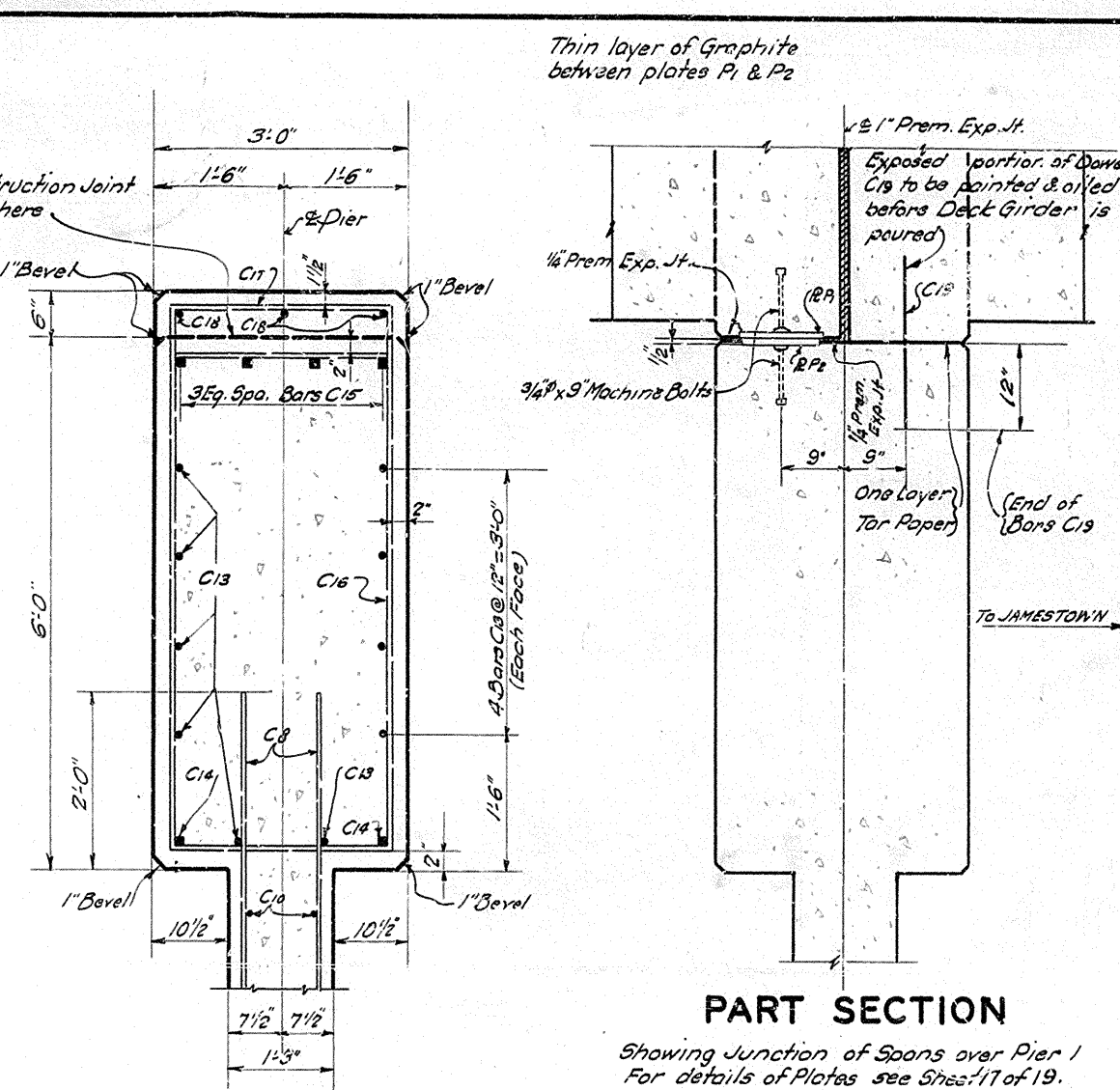
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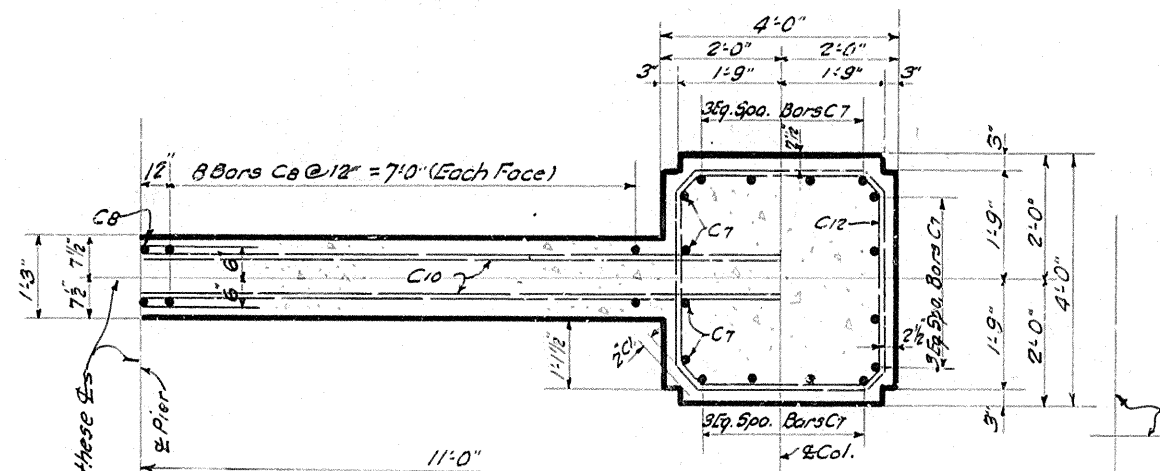
SECTIONAL PLAN A-A



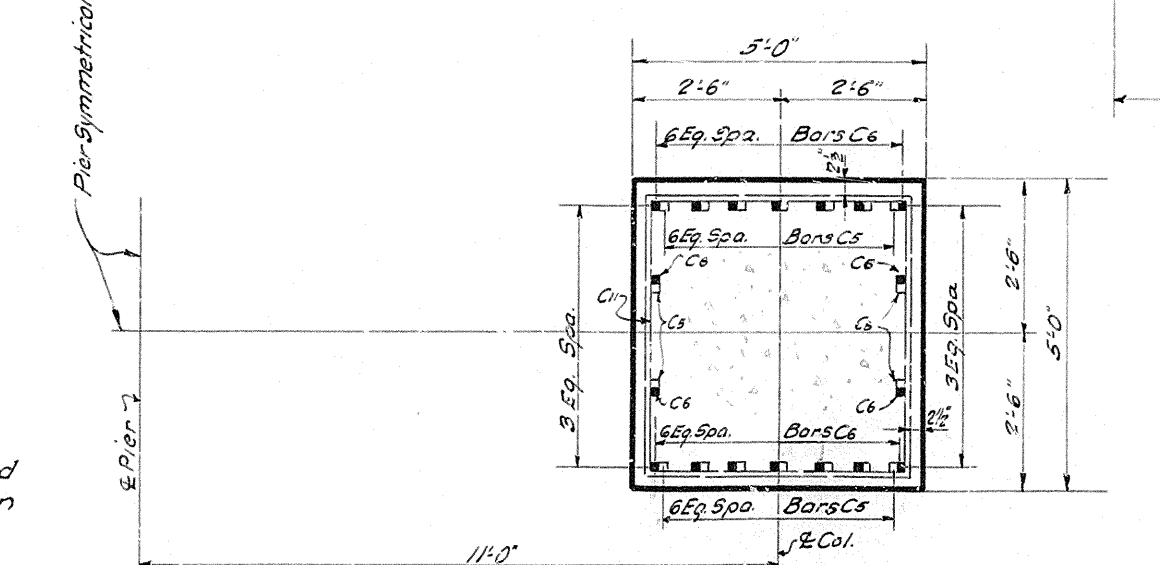
SECTION B-B



PART SECTION B-B



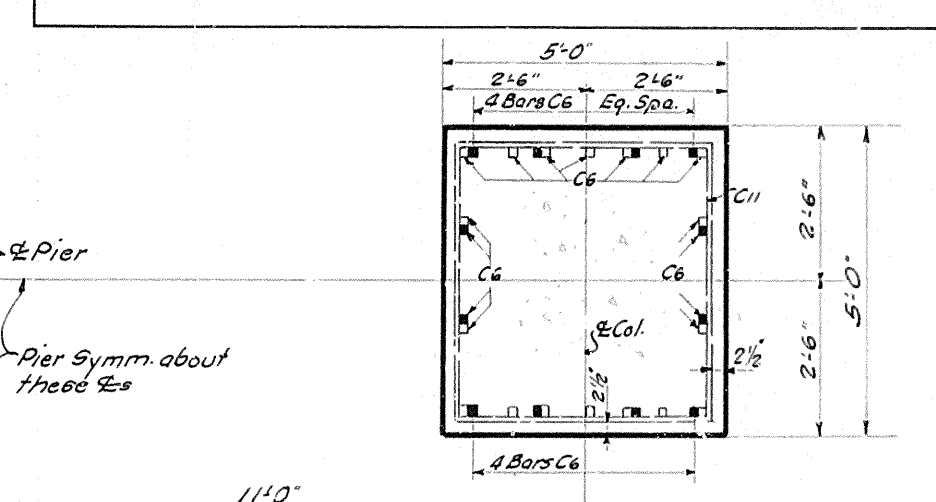
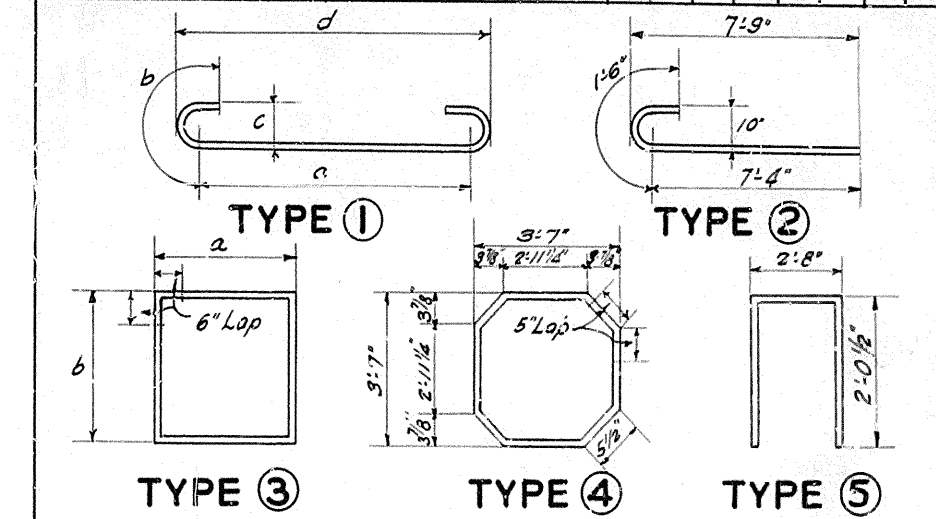
SECTION E-E



SECTION C-C

BILL OF REINFORCEMENT

MARK	TYPE	NO	SIZE	LENGTH	LOCATION	a	b	c	d
				FT. IN.		FT. IN.	FT. IN.	FT. IN.	FT. IN.
C1	(1)	40	3/4"	13	5	11	1	2	0 7 1/2
C2	"	48	"	11	5	9	1	2	0 7 1/2
C3	Str.	20	"	11	9	-	-	-	-
C4	"	24	"	9	9	-	-	-	-
C5	(2)	36	1"	8	10	-	-	-	-
C6	Str.	60	"	20	6	-	-	-	-
C7	"	32	3/8"	21	10	-	-	-	-
C8	"	34	1/2"	20	4	-	-	-	-
C9	(1)	2	1"	24	2	21	2	1	6 0 10 22 0
C10	Str.	36	1/2"	22	0	-	-	-	-
C11	(3)	74	5/8"	19	1	4	7	4	7 - - -
C12	(4)	44	1/2"	14	2	-	-	-	-
C13	Str.	10	3/4"	25	9	-	-	-	-
C14	(1)	2	1 1/4"	28	4	24	8	1	10 1 0 1/2 25 8 1/2
C15	Str.	4	"	25	9	-	-	-	-
C16	(3)	37	5/8"	17	4	2	8	5	8 - - -
C17	(5)	6	1 1/2"	6	7	-	-	-	-
C18	Str.	3	"	5	4	-	-	-	-
C19	"	12	"	2	0	-	-	-	-



SECTION D-D

ESTIMATE OF QUANTITIES

Concrete, Class A 151.6 Cu Yds.
Reinforcement 13650 Lbs.

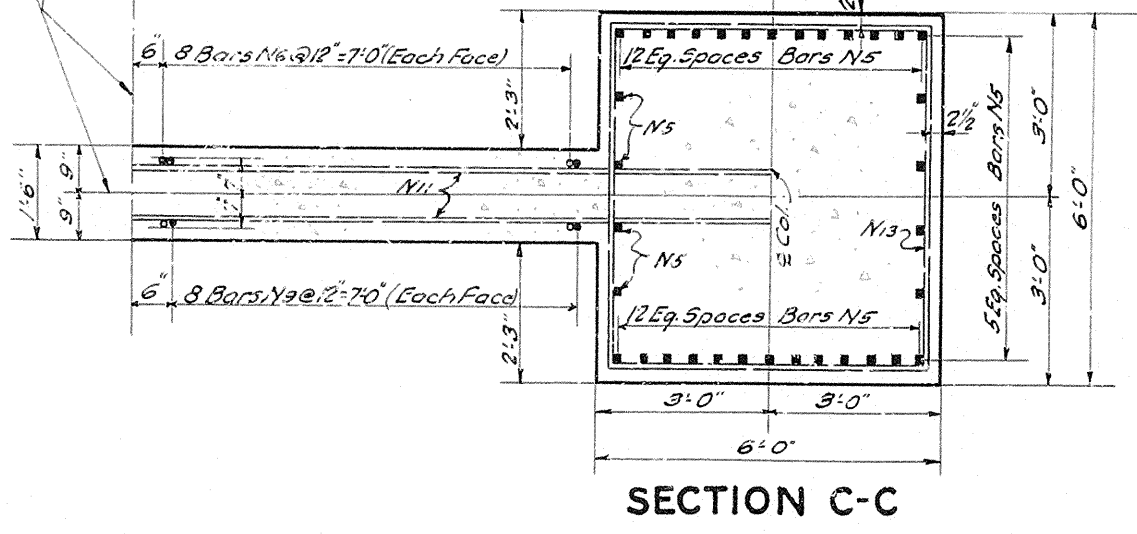
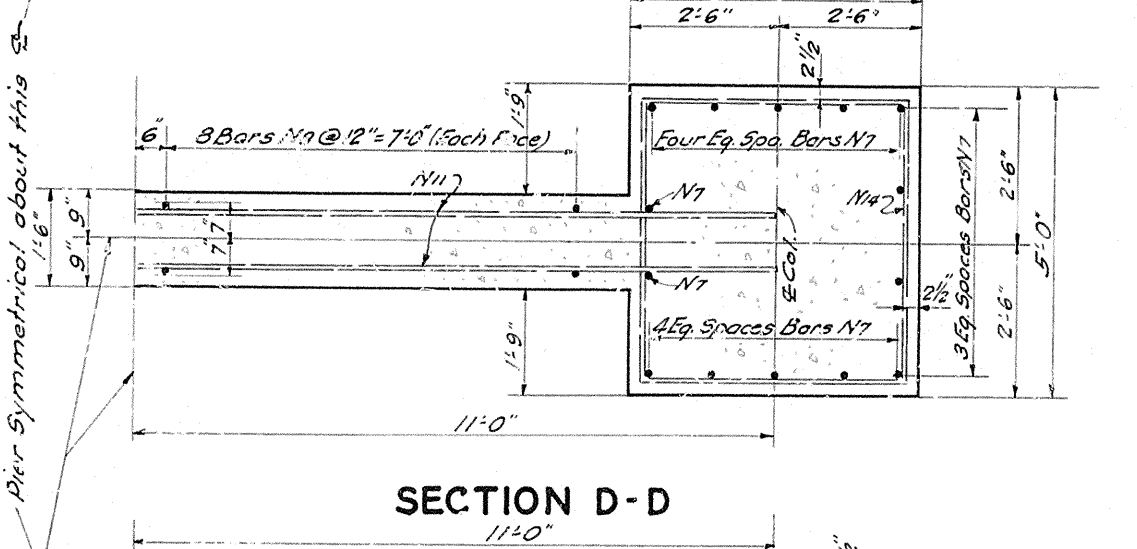
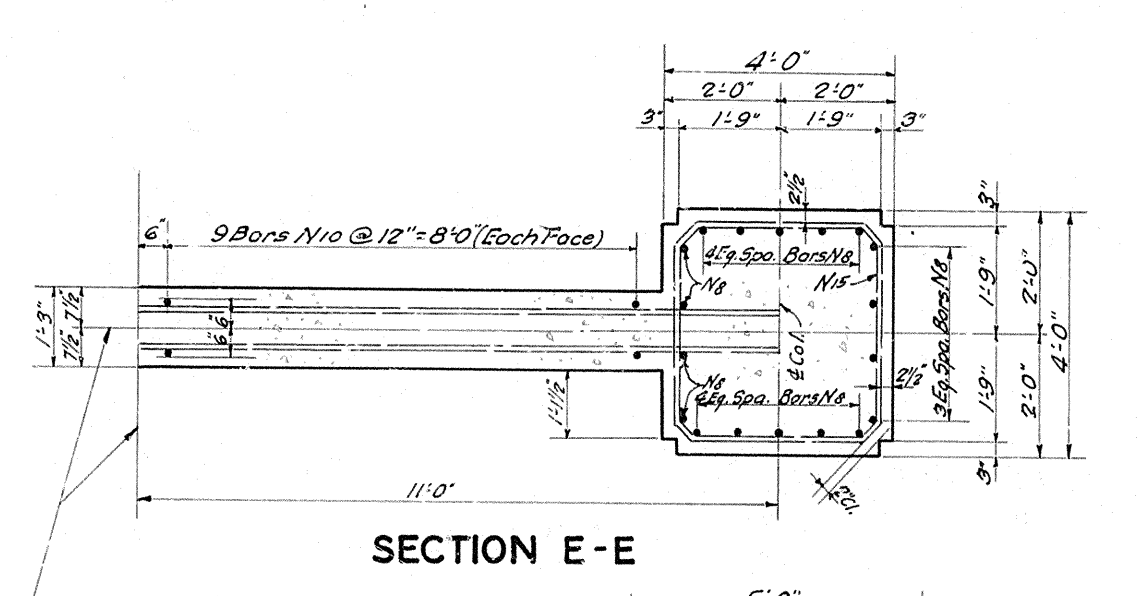
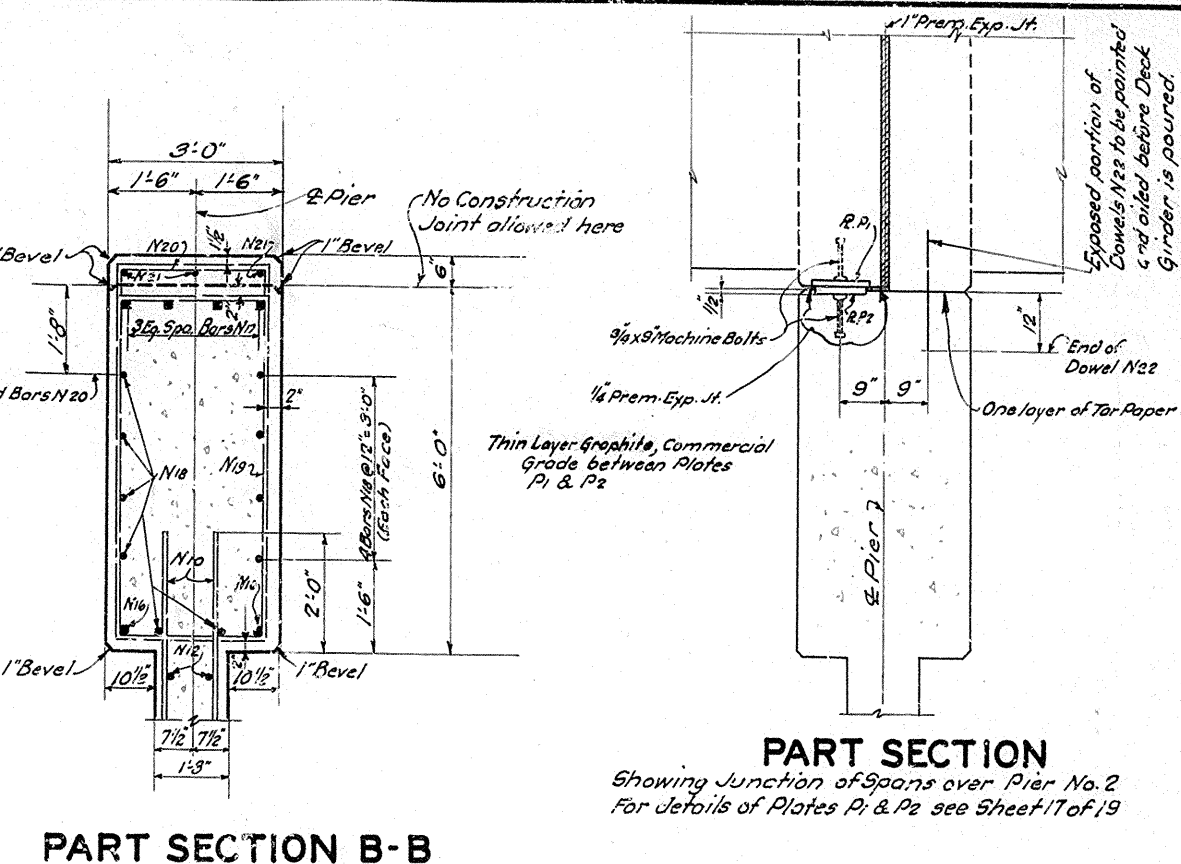
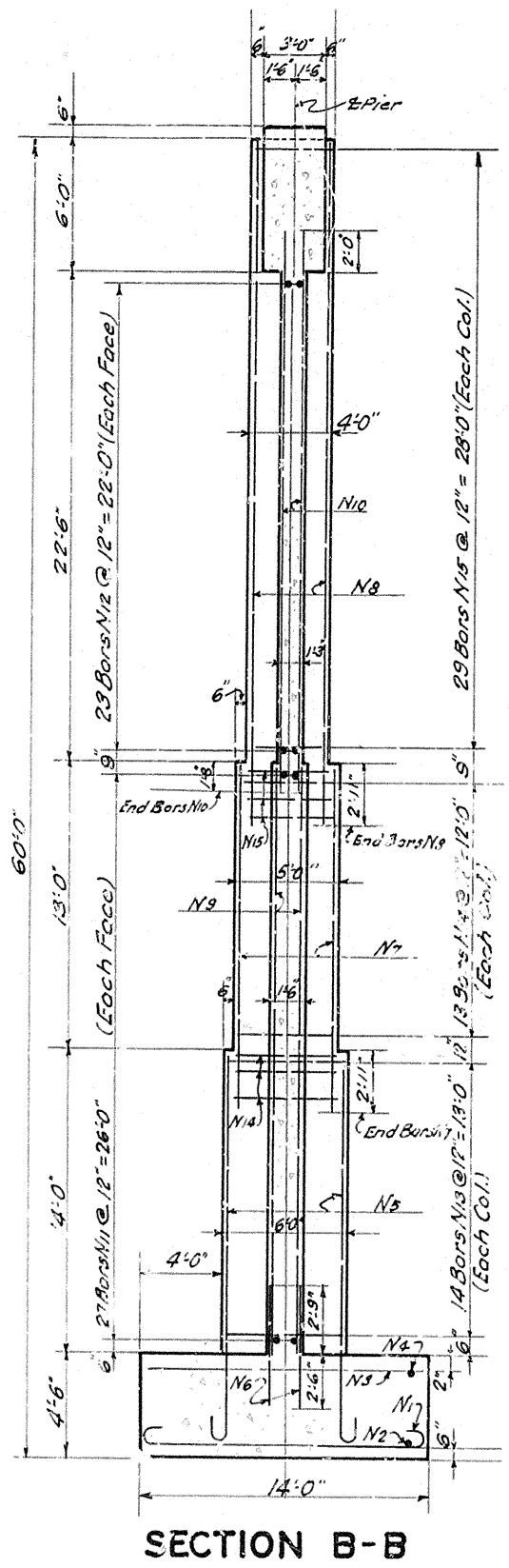
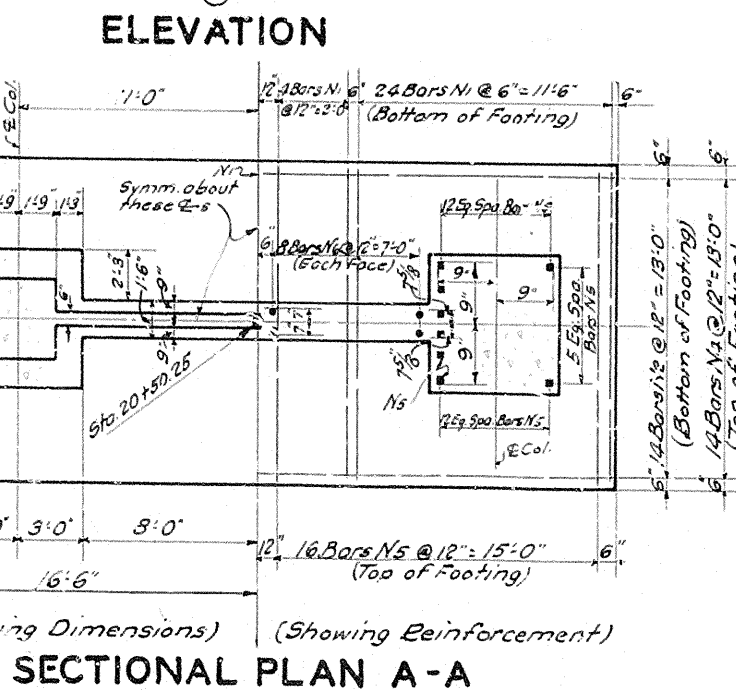
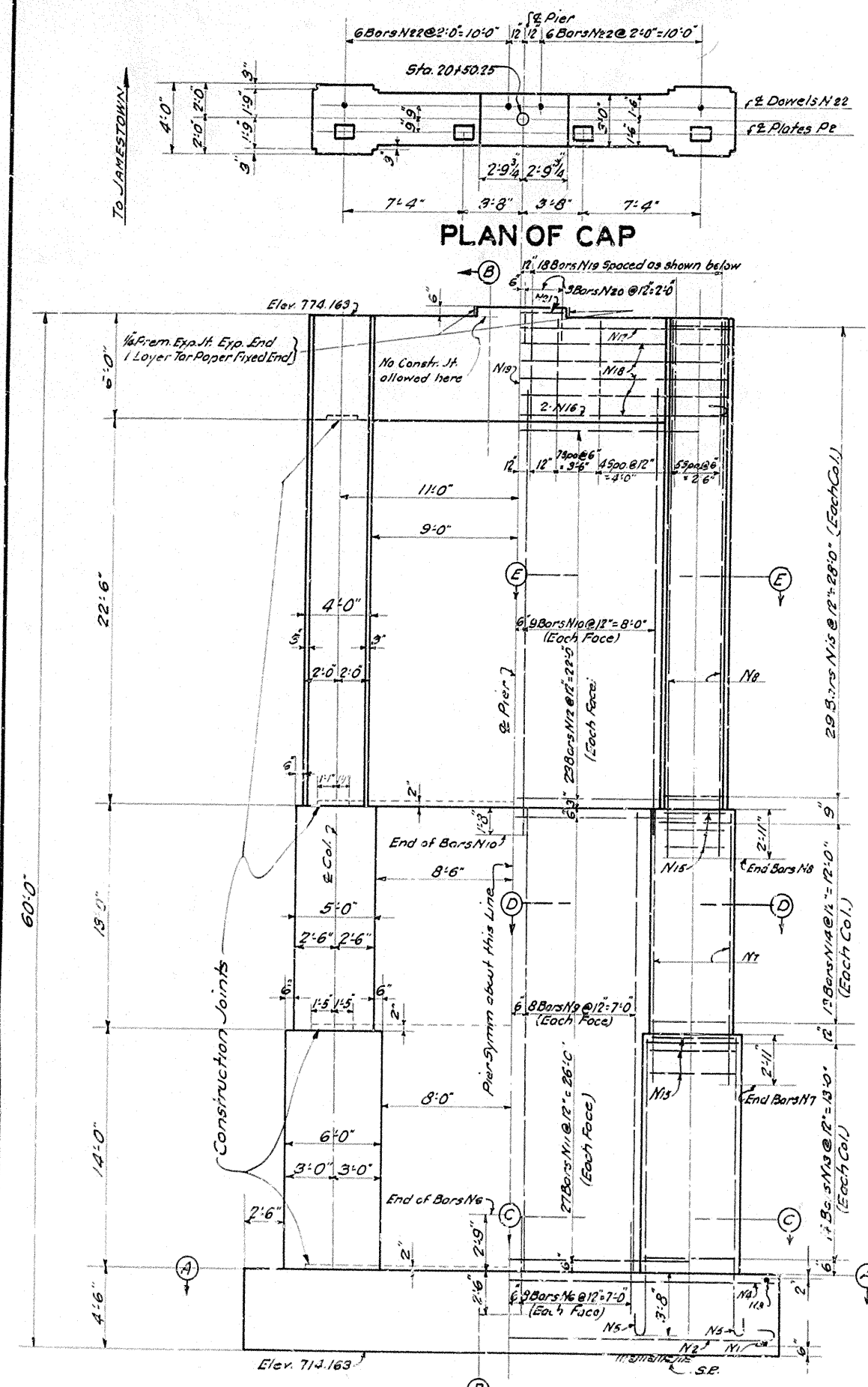
BRIDGE OVER GREASY CREEK Sheet 3 of 19

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
RUSSELL
JAMESTOWN - ALBANY

ROAD PROJECT NO.
STATION 21 + 51.0
BRIDGE NUMBER NO 3279

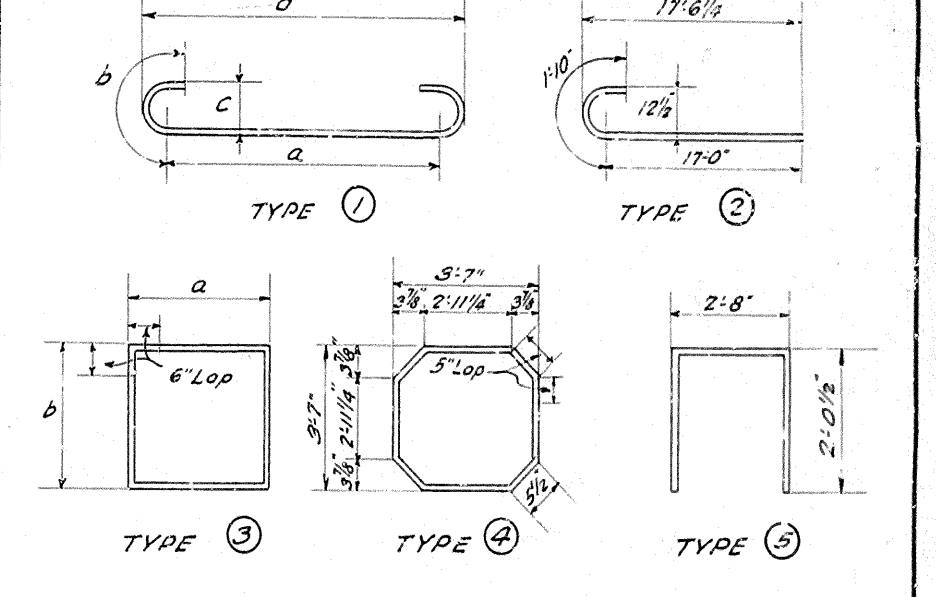
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						FED. ROAD DIST.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
						7	NY.				

BILL OF REINFORCEMENT														
NO.	TYPE	NO	SIZE	LENGTH		LOCATION	a		b		c		d	
				FT.	IN.		FT.	IN.	FT.	IN.	FT.	IN.		
N1	(1)	57	1/4"	16	1	Footings	12	9	1	9	0	11 1/4	13	8 1/2
N2	"	14	"	35	1	"	21	9	"	8	0	11 1/4	13	8 1/2
N3	str.	33	3/8"	13	9	"								
N4	"	14	"	32	9	"								
N5	(2)	68	1/4"	18	10	Columns into Footings								
N6	str.	32	3/8"	5	3	Webwall								
N7	"	28	1/4"	15	9	Columns								
N8	"	36	"	31	3	"								
N9	"	32	3/8"	26	10	Webwall								
N10	"	36	1/4"	26	2	"								
N11	"	54	3/8"	22	0	"								
N12	"	46	1/2"	22	0	"								
N13	(3)	28	"	23	1	Columns	5	7	5	7	-	-	-	-
N14	"	32	"	19	1	"	4	7	4	7	-	-	-	-
N15	(4)	54	"	14	2	"	-	-	-	-	-	-	-	-
N16	(1)	2	1/4"	28	4	Cap	24	8	1	10	1	0 1/2	25	8 1/2
N17	str.	4	"	25	9	"								
N18	"	10	3/8"	25	9	"								
N19	(3)	37	3/8"	17	4	"	2	8	5	8	-	-	-	-
N20	(5)	6	1/2"	6	7	Notch								
N21	str.	3	"	5	4	"								
N22	"	12	"	2	0	Dowels								



ESTIMATE OF QUANTITIES
 Concrete, Class A 227.4 Cu.Yds.
 Reinforcement 24450 Lbs.

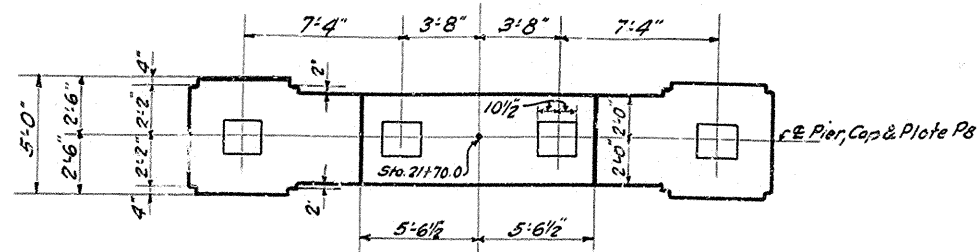
BRIDGE OVER GREASY CREEK Sheet 4 of 19

COMMONWEALTH OF KENTUCKY
 DEPARTMENT OF HIGHWAYS
 FRANKFORT
 COUNTY OF
RUSSELL
JAMESTOWN-ALBANY

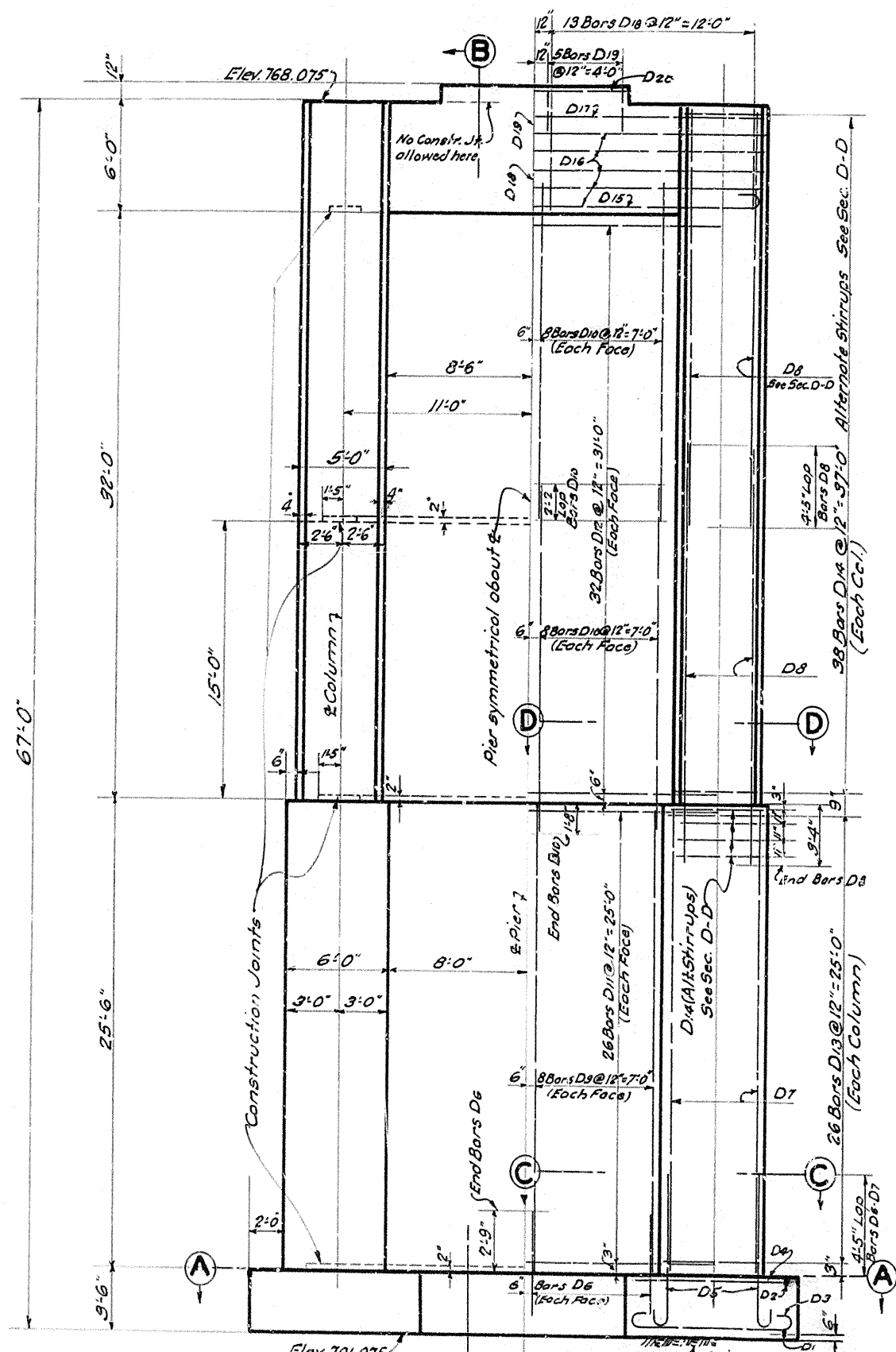
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 BRIDGE NUMBER DRAWING INDEX
 NO. 8379

BRIDGE

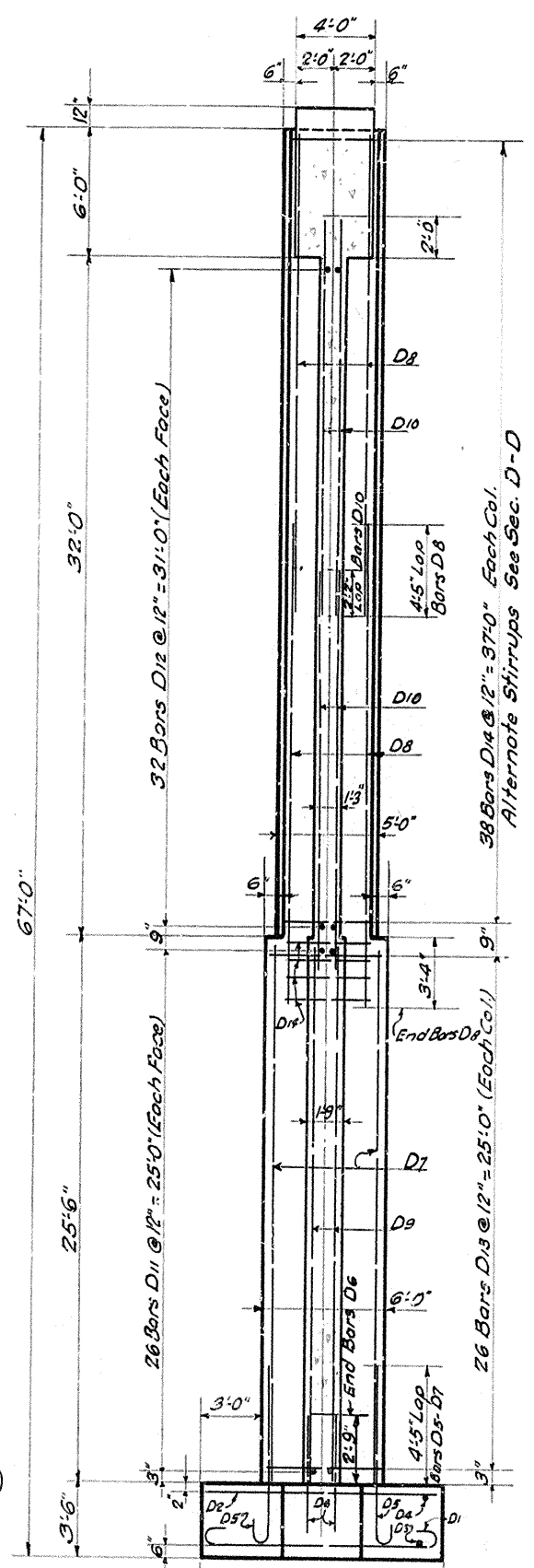
BRIDGE



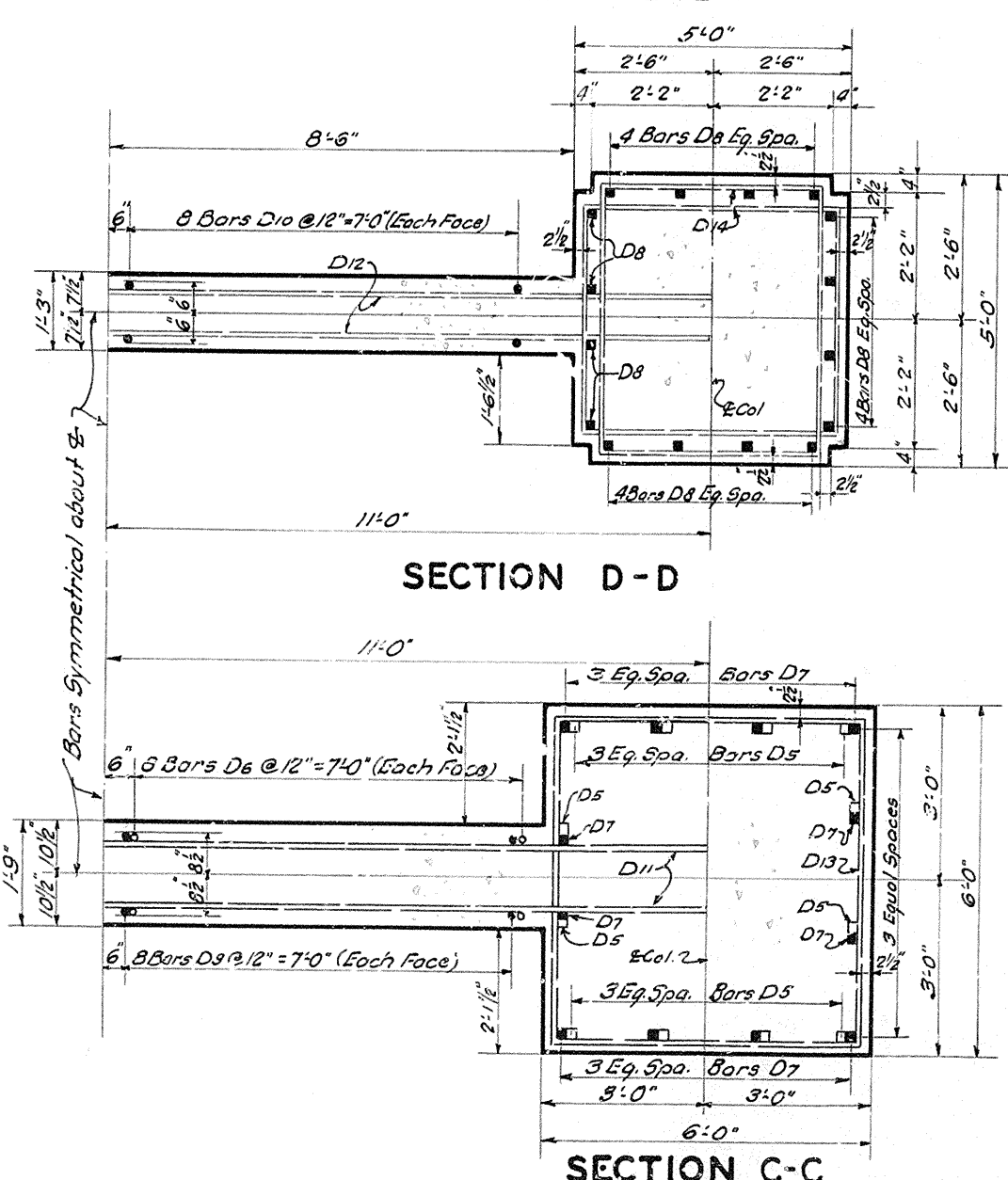
PLAN OF CAP



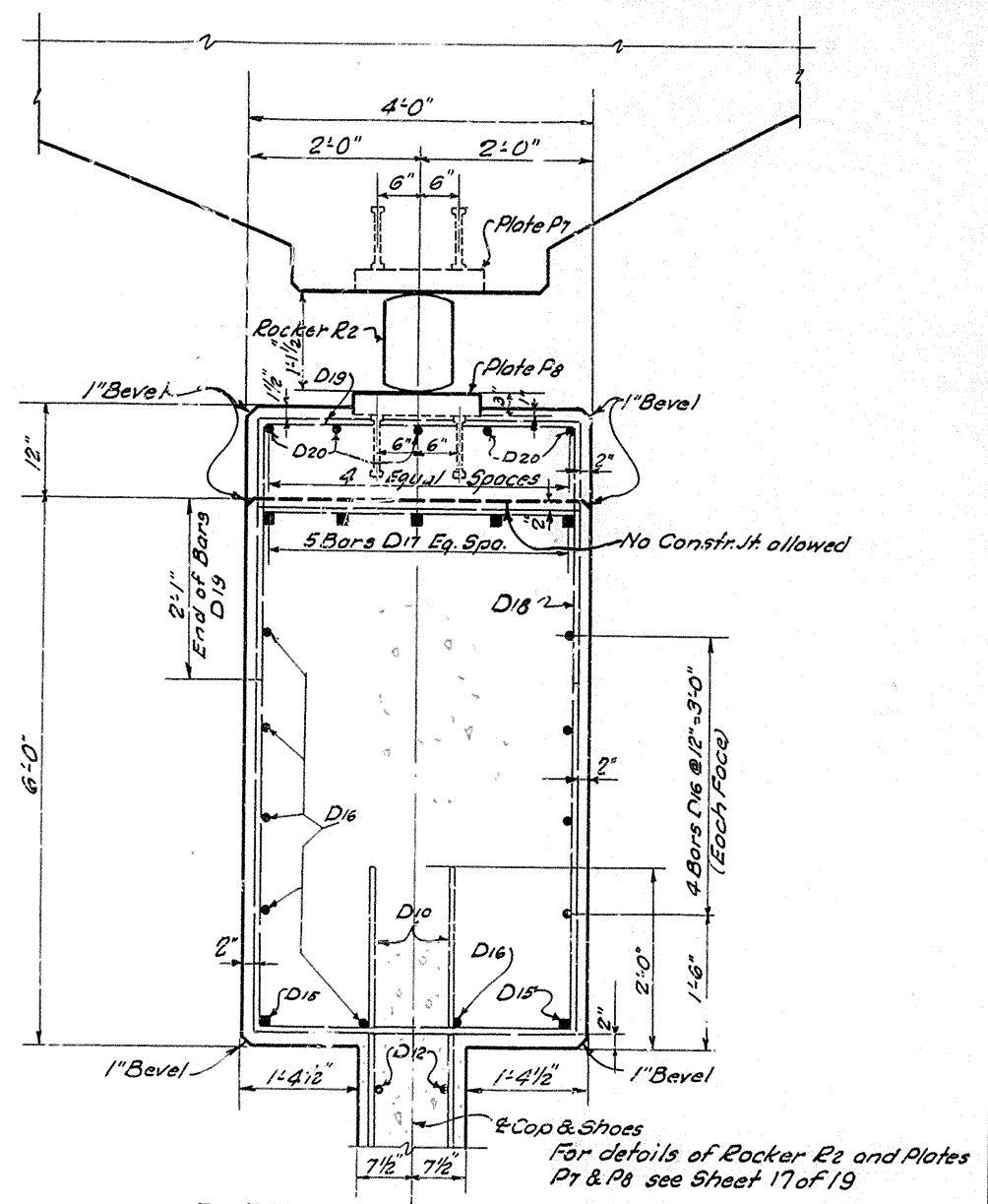
SECTIONAL PLAN A-A



SECTION B-B



SECTION C-C



PART SECTION B-B

BILL OF REINFORCEMENT									
MARK	TYPE	NO	SIZE	LENGTH	LOCATION	a	b	c	d
D1	(1)	46	1/2"	13	Footings	11	0	1	4
D2	Str.	20	3/4"	11	"	-	-	-	-
D3	(1)	32	1/2"	11	"	9	0	1	4
D4	Str.	24	3/4"	9	"	-	-	-	-
D5	(2)	24	1"	8	Dowels Col. Interfooting	-	-	-	-
D6	Str.	32	3/4"	5	Dowels H66	-	-	-	-
D7	"	20	1"	25	Columns	-	-	-	-
D8	"	64	"	22	"	-	-	-	-
D9	"	32	3/4"	25	W/b Wall	-	-	-	-
D10	"	64	1/2"	18	"	-	-	-	-
D11	"	52	3/4"	22	"	-	-	-	-
D12	"	64	1/2"	22	"	-	-	-	-
D13	(3)	52	"	23	Columns	5	7	5	7
D14	"	76	"	17	"	4	7	3	11
D15	(1)	2	1 1/4"	29	Cap	25	8	1	10
D16	Str.	10	3/4"	26	"	-	-	-	-
D17	"	5	1 1/4"	26	"	-	-	-	-
D18	(3)	27	5/8"	19	"	-	-	-	-
D19	(4)	10	"	9	Notch	-	-	-	-
D20	Str.	5	1/2"	10	"	-	-	-	-

ESTIMATE OF QUANTITIES

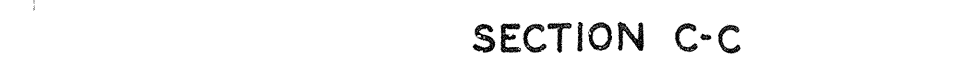
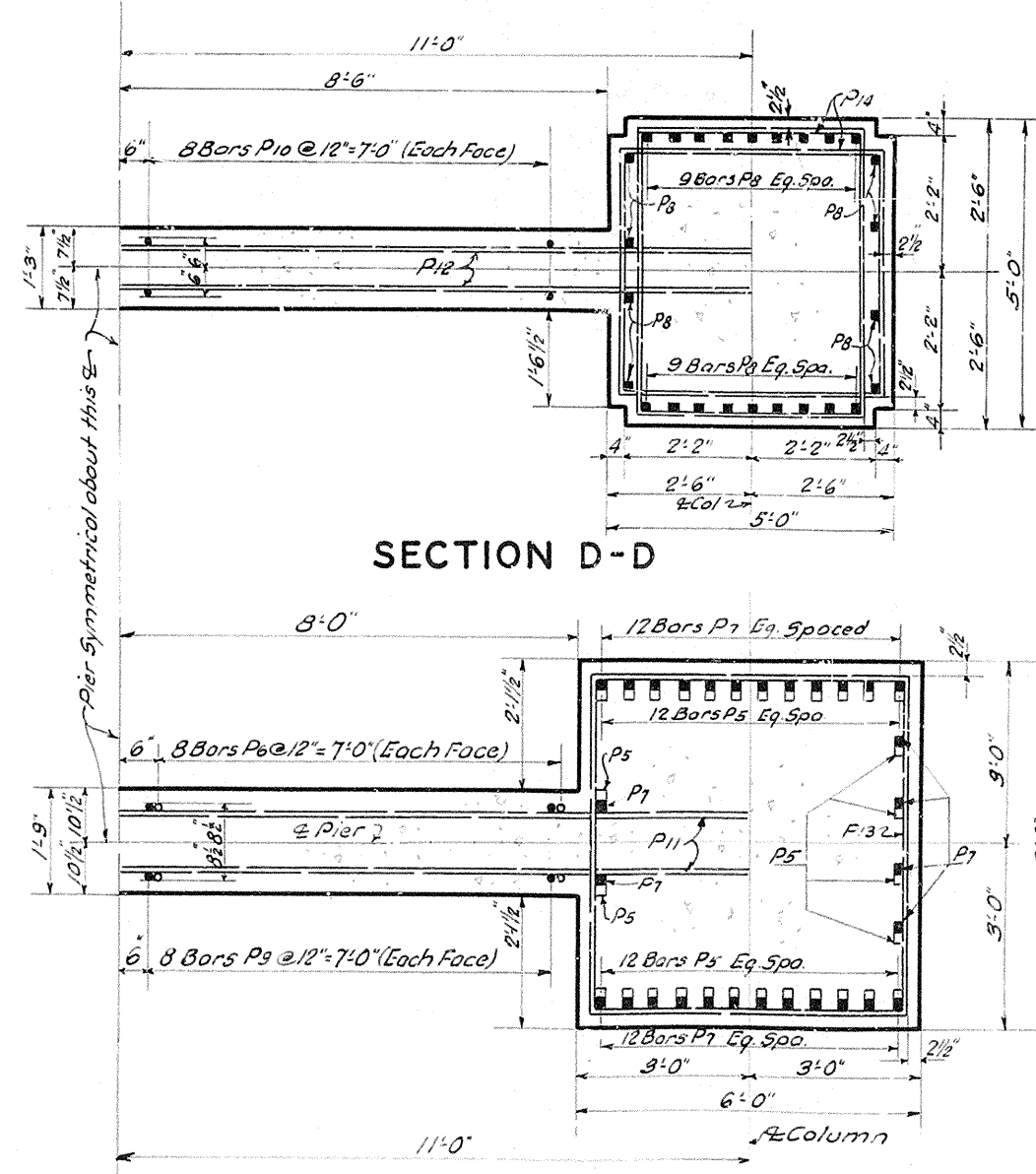
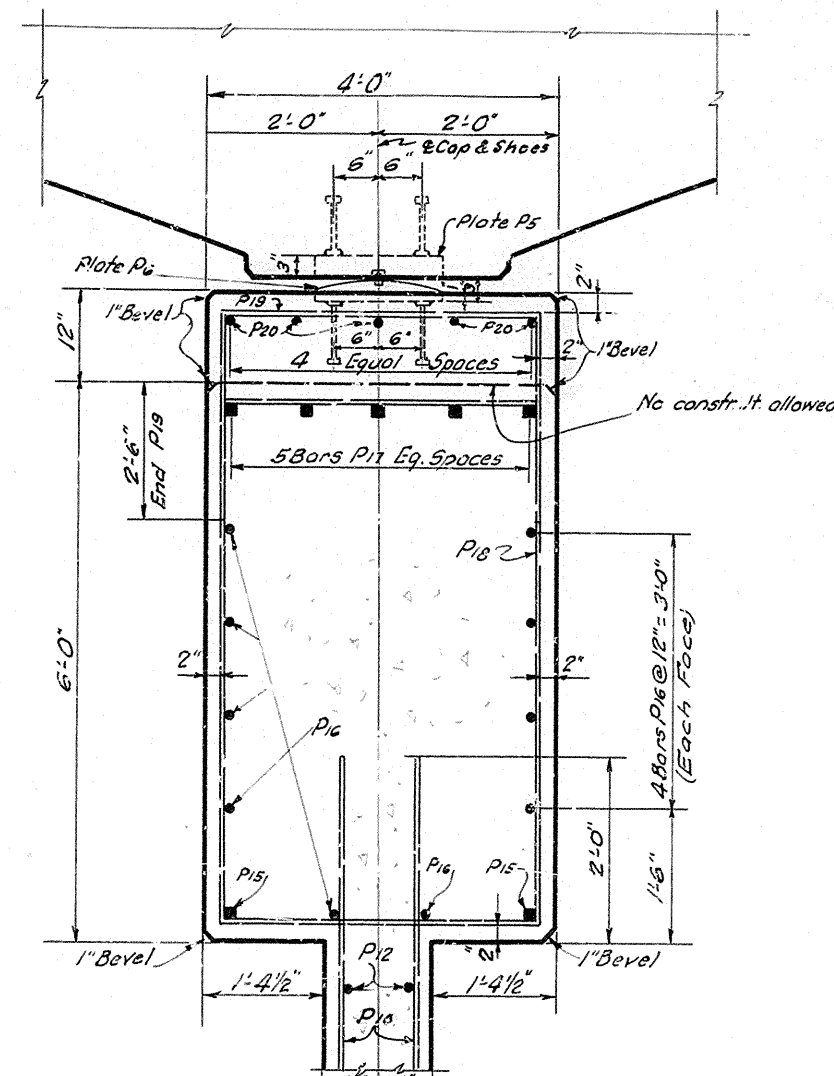
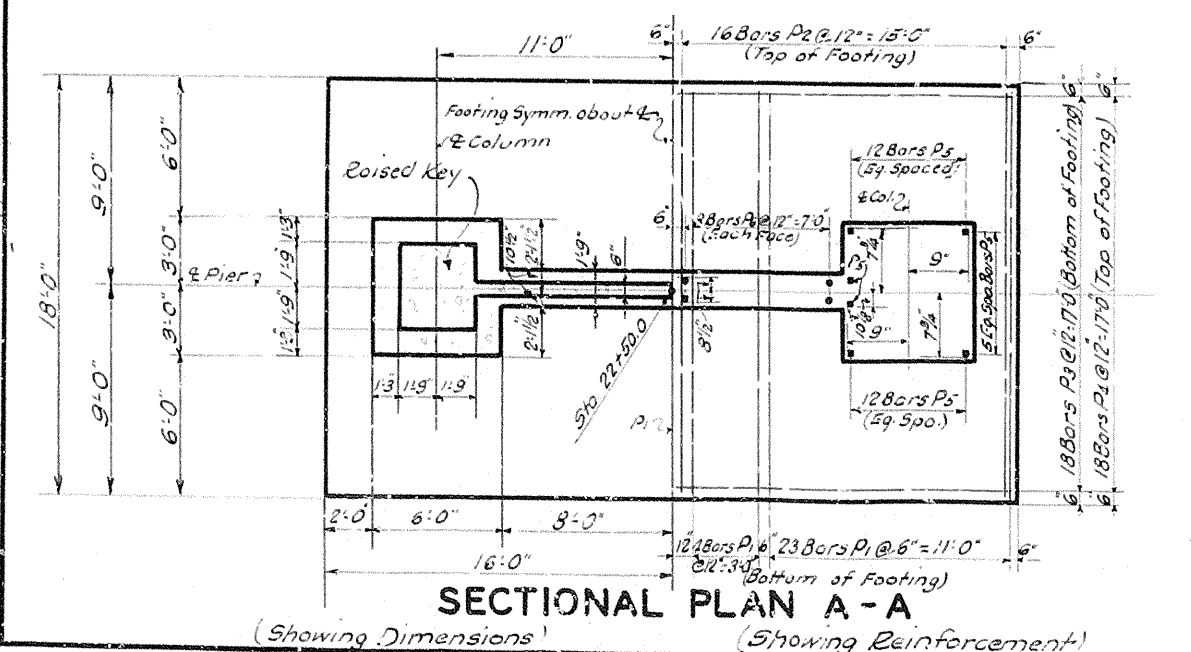
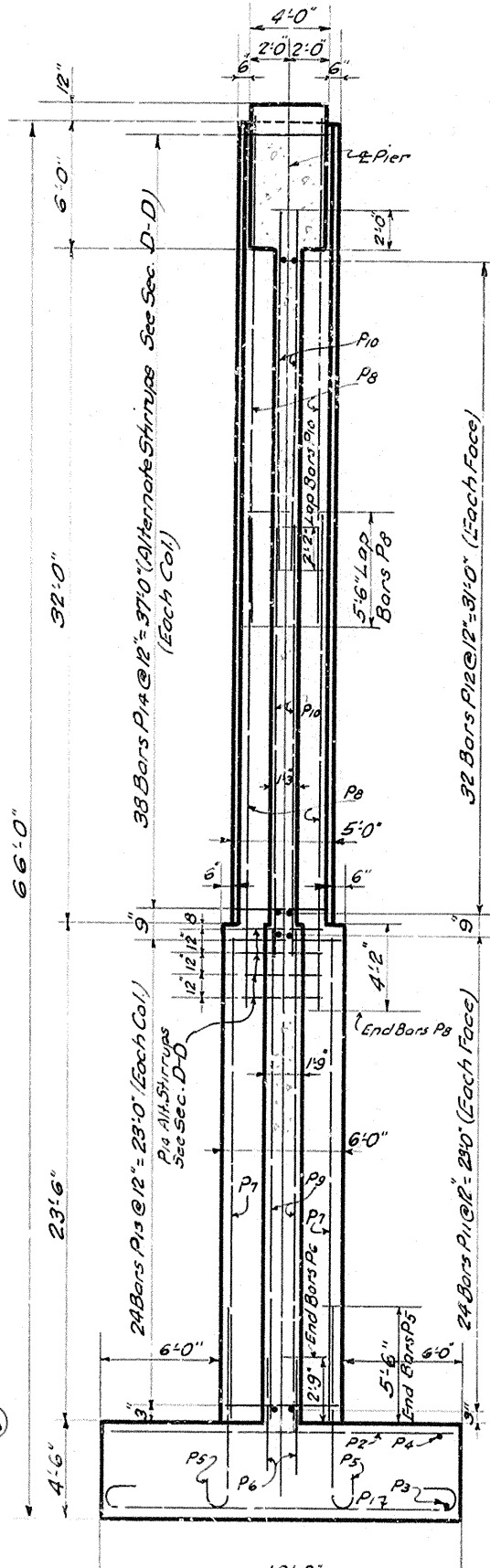
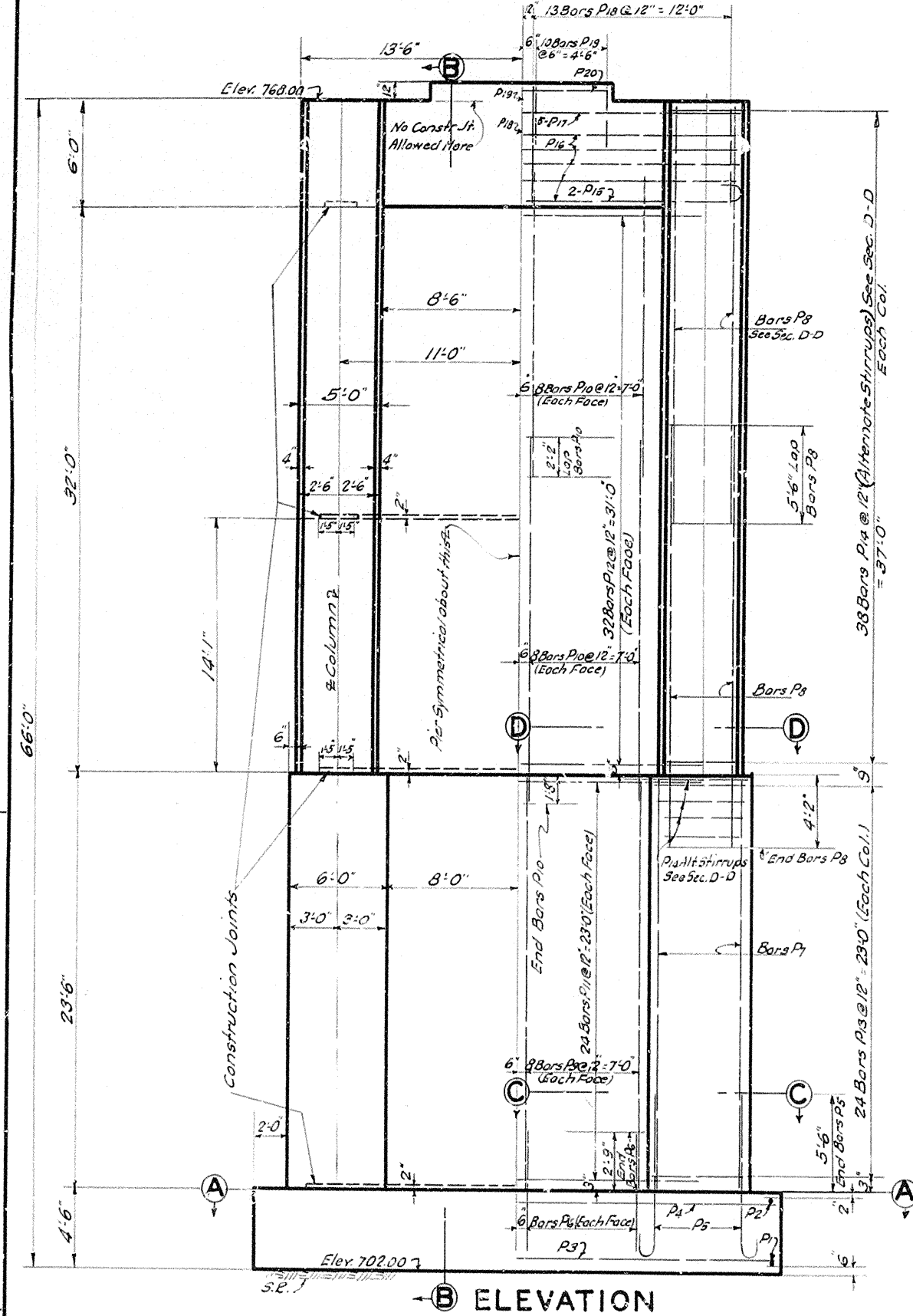
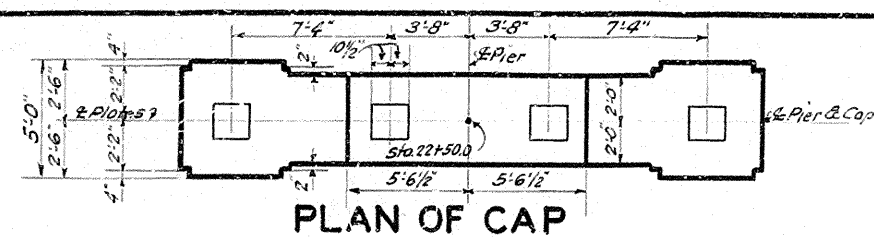
Concrete, Class "A" 2-2.5 Cu. Yds.
Reinforcement 18220 Lbs.

BRIDGE OVER GREASY CREEK Sheet 6 of 19

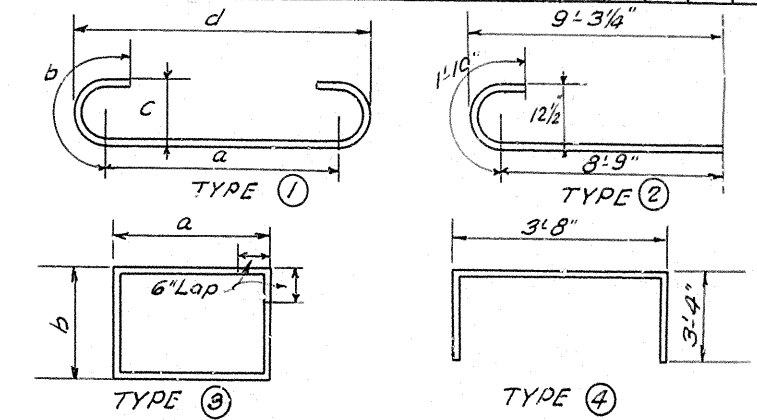
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
RUSSELL
JAMESTOWN - ALBANY

STATION 21+51.0 ROAD PROJECT NO.
BRIDGE NUMBER DRAWING INDEX
NO 8279

BRIDGE



MARK	TYPE	NO	SIZE	LENGTH		LOCATION	a		b		c		d	
				FT.	IN		FT.	IN.	FT.	IN.	FT.	IN.		
P ₁	(1)	55	1 1/8"	20	1	Footing	16	9	1	8	0	11 1/4	17	8 1/2
P ₂	Str.	32	7/8" φ	17	9	"								
P ₃	"	18	1" □	31	9	"								
P ₄	"	18	7/8" φ	31	9	"								
P ₅	(2)	60	1 1/4" □	10	7	Dowels Columns into Footing								
P ₆	Str.	32	5/8" φ	5	3	Web into Footing								
P ₇	"	60	1 1/4" □	23	4	Columns								
P ₈	"	104	"	23	9	"								
P ₉	"	32	5/8" φ	23	4	Web Wall								
P ₁₀	"	64	1/2" φ	18	11	"								
P ₁₁	"	48	3/8" φ	22	0	"								
P ₁₂	"	64	1/2" φ	22	0	"								
P ₁₃	(3)	48	"	23	1	Columns	5	7	5	7	-	-	-	-
P ₁₄	"	84	"	17	9	"	4	7	3	11	-	-	-	-
P ₁₅	(1)	2	1 1/8" □	28	4	Cop	25	8	1	10	1	0 1/2	26	8 1/2
P ₁₆	Str.	10	3/8" φ	26	9	"	-	-	-	-	-	-	-	-
P ₁₇	"	5	1 1/8" □	26	9	"	-	-	-	-	-	-	-	-
P ₁₈	(3)	27	3/8" φ	19	4	"	-	-	-	-	-	-	-	-
P ₁₉	(4)	21	3/4" φ	10	1	Notch	5	8	3	8	-	-	-	-
P ₂₀	Str.	5	1/2" φ	10	10	"	-	-	-	-	-	-	-	-



ESTIMATE OF QUANTITIES

Concrete, Class A	294.1 Cu. Yds.
Reinforcement	40820 Lbs.

BRIDGE OVER GREASY CREEK Sheet 7 of 19

COMMONWEALTH OF KENTUCKY

DEPARTMENT OF HIGHWAYS

FRANKFORT COUNTY OF

RUSSELL

JAMESTOWN - ALBANY

STATION *21+51.0*

BRIDGE NUMBER

ROAD PROJECT NO.

DRAWING NO.	INDEX
<i>8277</i>	

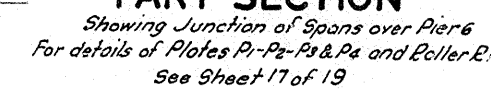
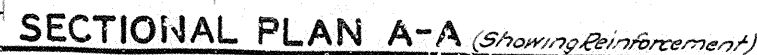


Figure 10 displays five types of U-shaped metal parts, each with specific dimensions and tolerances:

- TYPE ①:** A U-shaped part with overall width d , overall height b , inner width c , and overall length a .
- TYPE ②:** A U-shaped part with overall width $7.9''$, inner width $10''$, and overall length $6 \pm .10''$. The top edge has a 116° angle.
- TYPE ③:** A U-shaped part with overall width a , overall height b , and a length of $6 \pm .009$. The top edge has a $3.7''$ dimension.
- TYPE ④:** A U-shaped part with overall width $3.7''$, overall height $3.7''$, and a length of $5 \pm .009$. The top edge has a $2.11 \pm .004$ dimension. The bottom edge has a $3.7''$ dimension.
- TYPE ⑤:** A U-shaped part with overall width a and overall height b .

Concrete Class "A"	197.1 Cu.Yds.
Reinforcement	14800 Lbs.

BRIDGE



ESTIMATE OF QUANTITIES

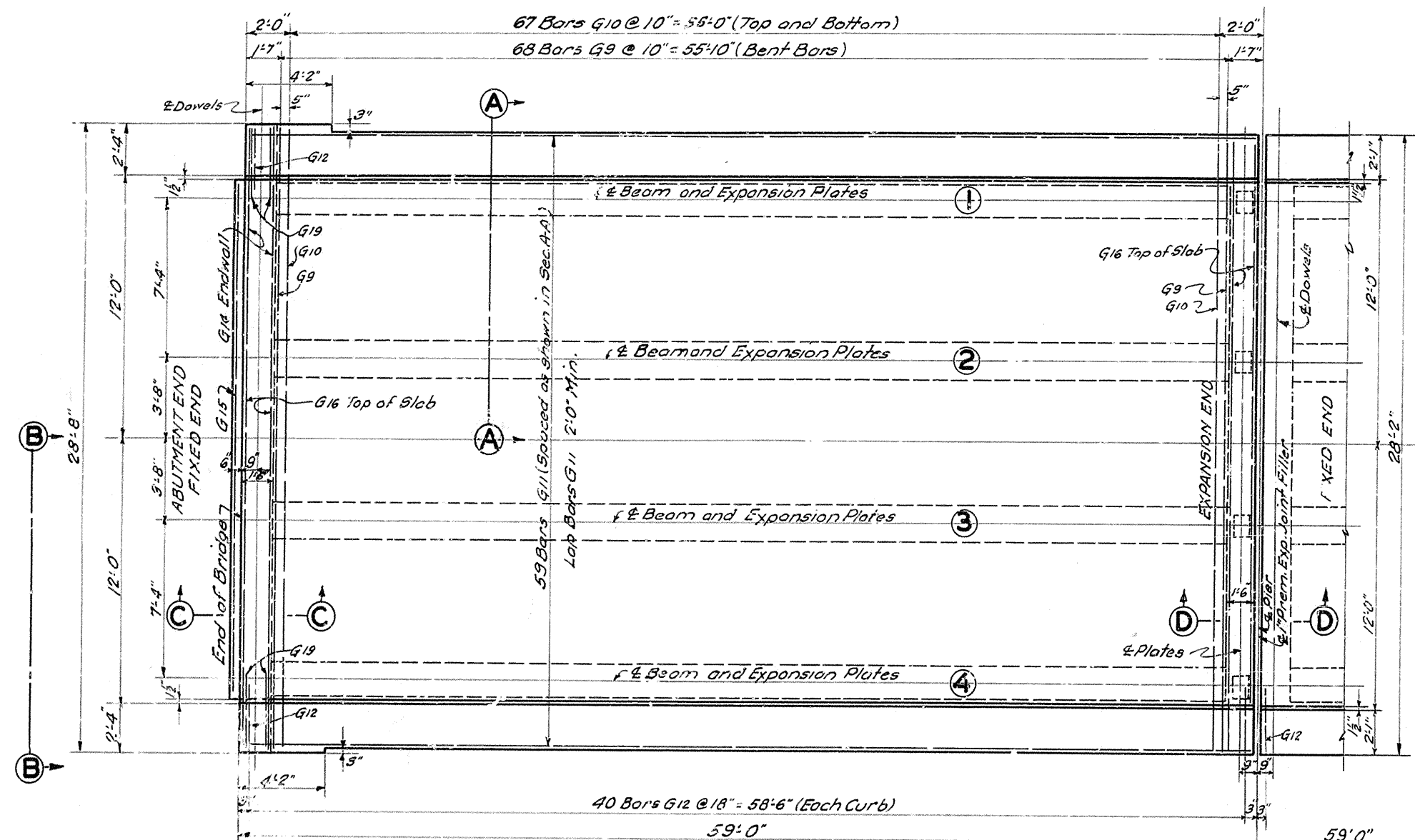
Concrete, Class "A"	51.4 Cu. Yds.
Reinforcement	490 Lbs

COMMONWEALTH OF KENTUCKY		
DEPARTMENT OF HIGHWAYS		
FRANKFORT		
COUNTY OF		
RUSSELL		
JAMESTOWN-ALBANY		
ROAD		DRAWING
STATION 21451.0	PROJECT NO.	INDEX
BRIDGE NUMBER	NO. 8279	

ABUTMENT 2

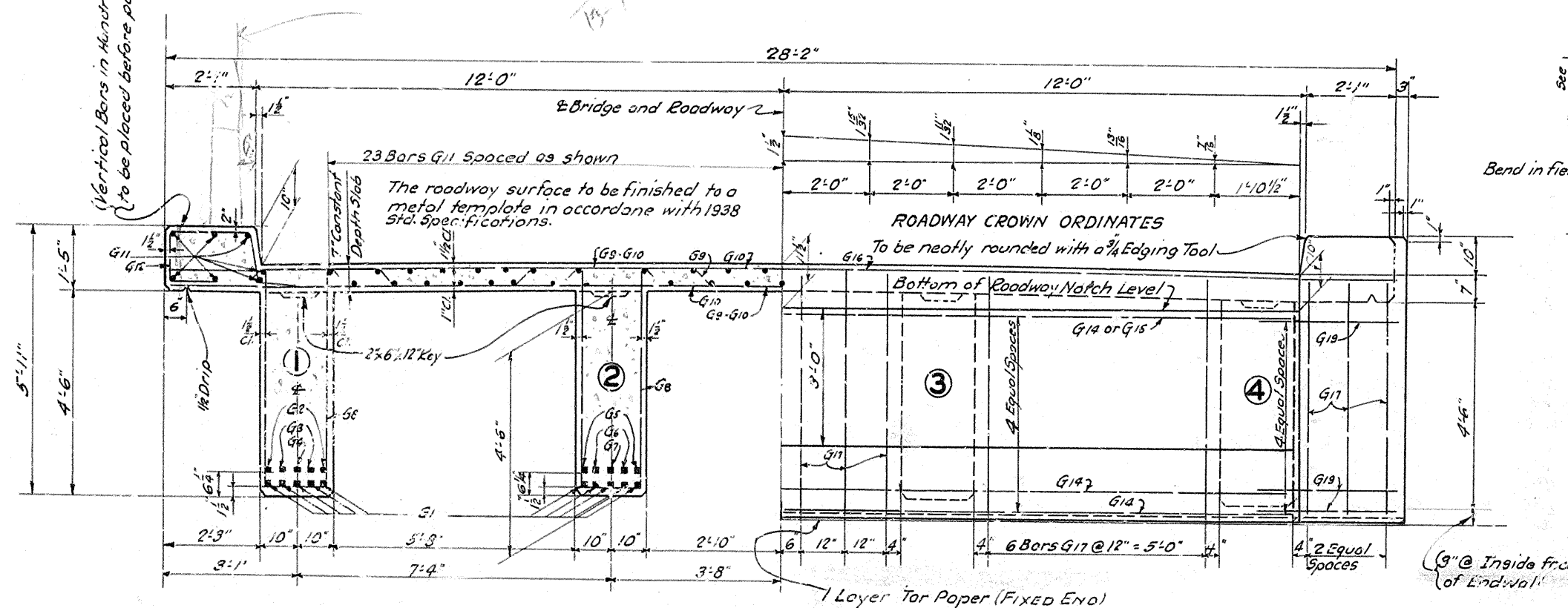
BRIDGE

FED. ROAD DIST.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	PROJECT NO.	SHEET NO.
7	KY.				



END SPAN

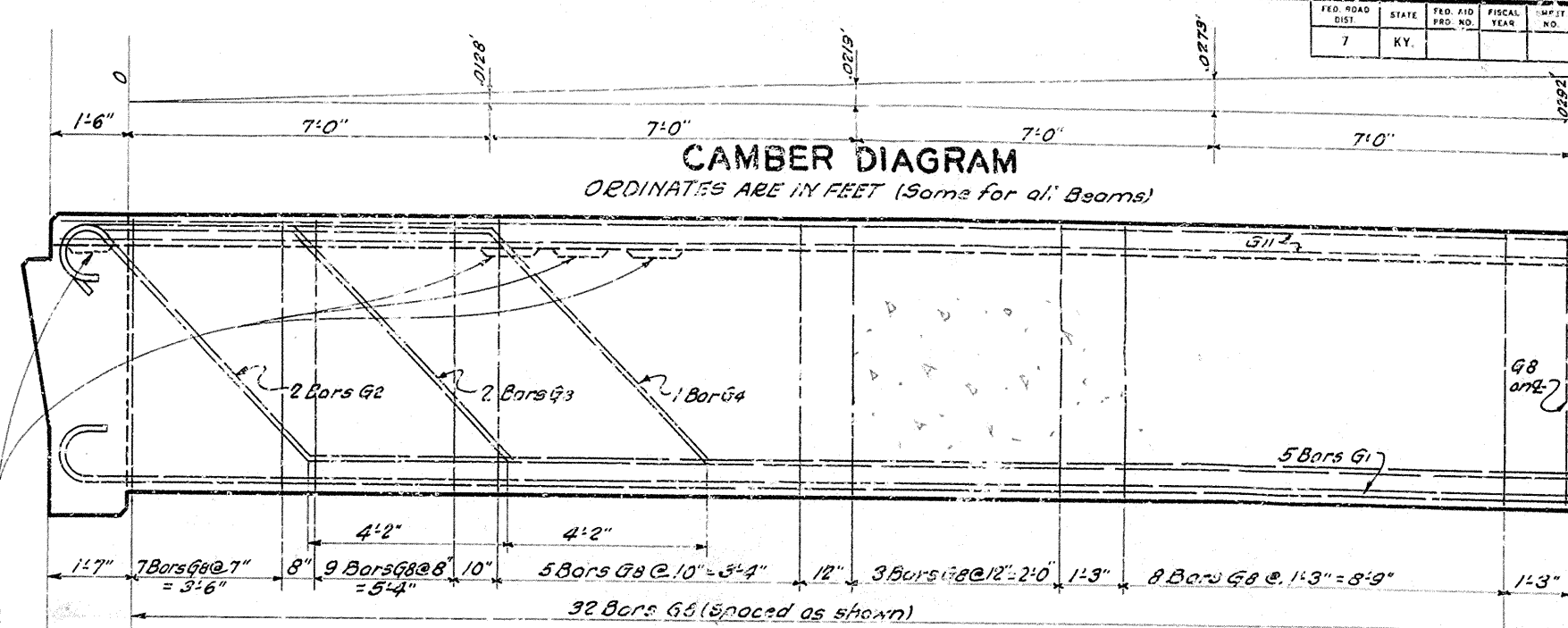
INTERMEDIATE SPAN



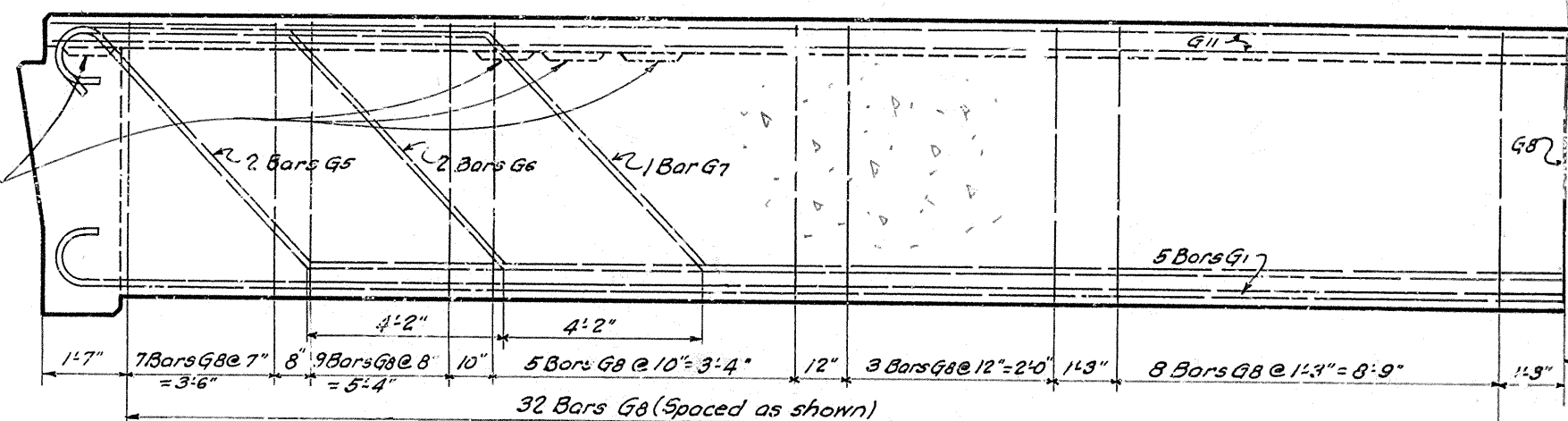
SECTION A-A

ELEVATION B-B

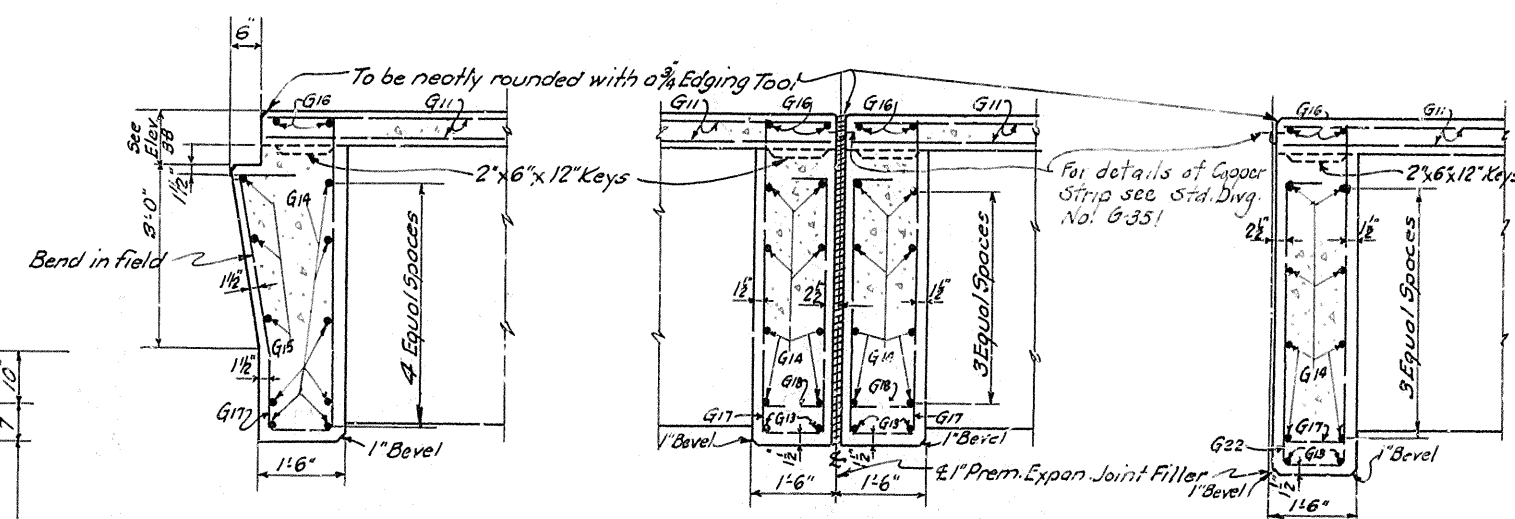
59'-0" R.C. DECK GIRDER SPAN (2 SHEETS)



HALF SECTION ON & EXTERIOR BEAMS NO.1 & NO.4
(Reinforcement same for both beams)



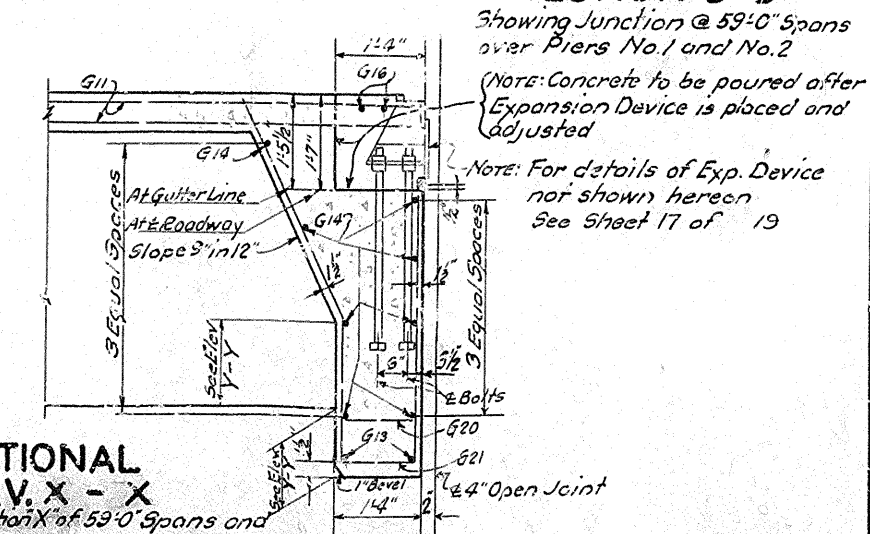
HALF SECTION ON & INTERMEDIATE BEAMS NO.2 & NO.3
(Reinforcement same for all intermediate beams.)



SECTION C-C

SECTION D-D

SECTION AT JUNCTION Y-Y



SECTIONAL ELEV. X-X

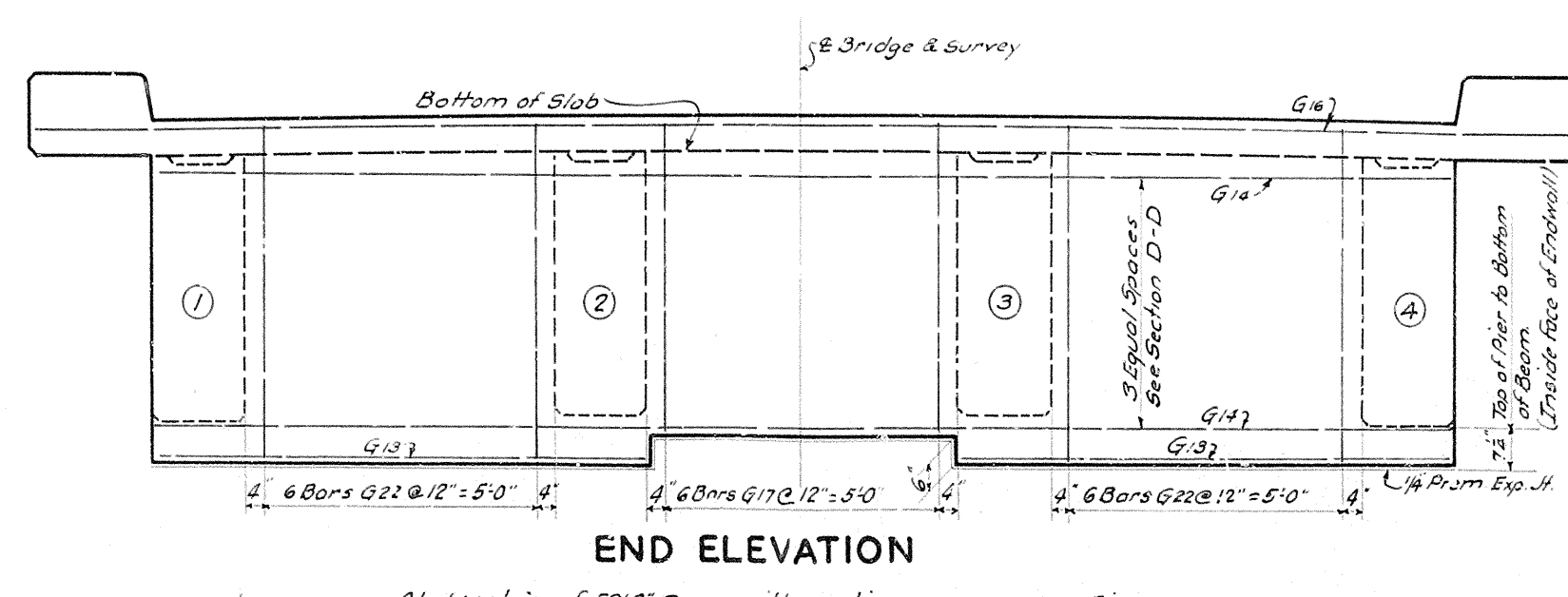
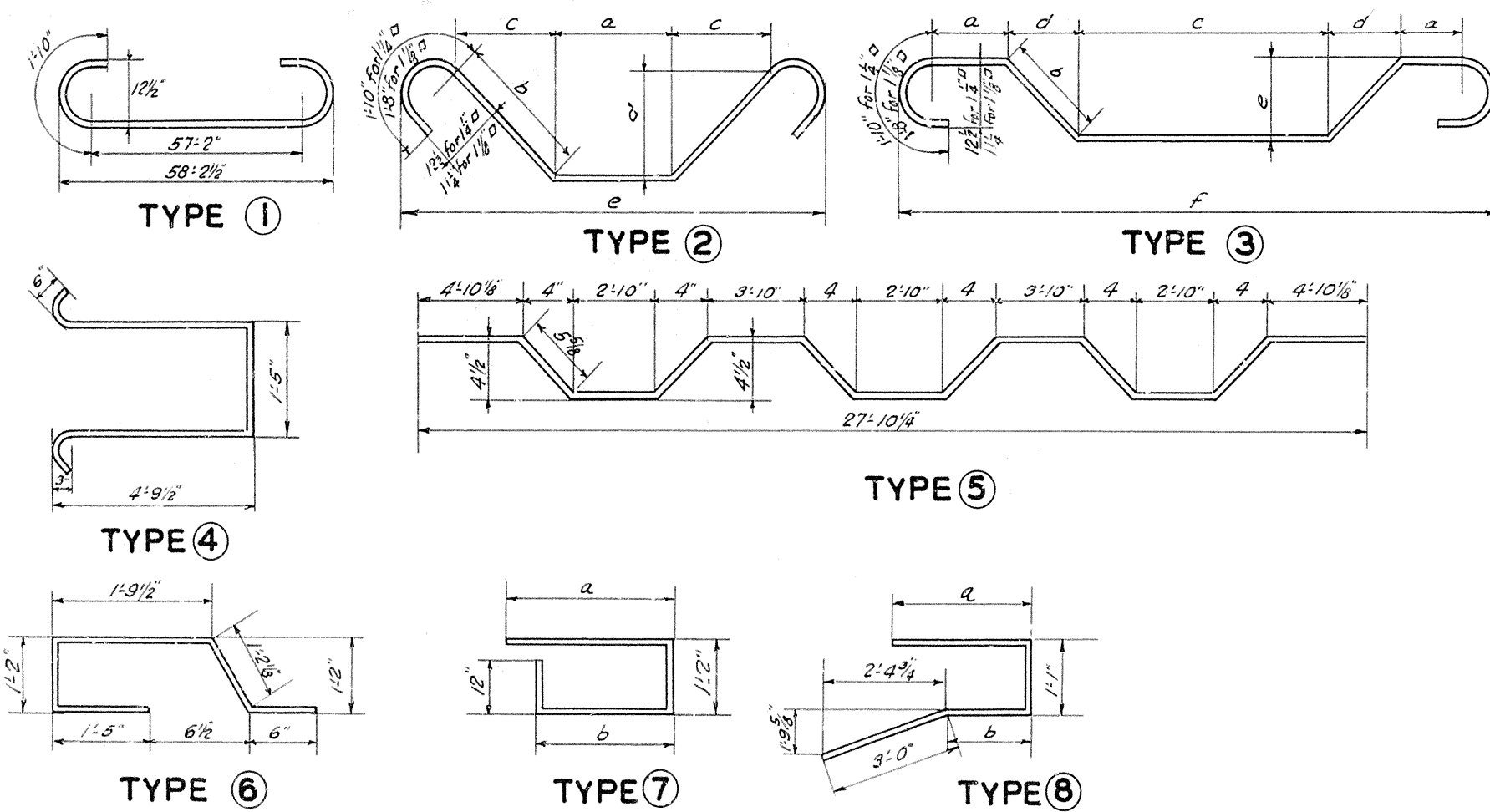
Showing Junction of 59'-0" Spans and Continuous Spans over Pier No.3

BRIDGE OVER GREASY CREEK		Sheet 10 of 19
COMMONWEALTH OF KENTUCKY		
DEPARTMENT OF HIGHWAYS		
FRANKFORT		
COUNTY OF		
RUSSELL		
JAMESTOWN - ALBANY		
STATION 21+51.00	ROAD PROJECT NO.	
BRIDGE NUMBER	DRAWING NO. 8279	INDEX

BRIDGE

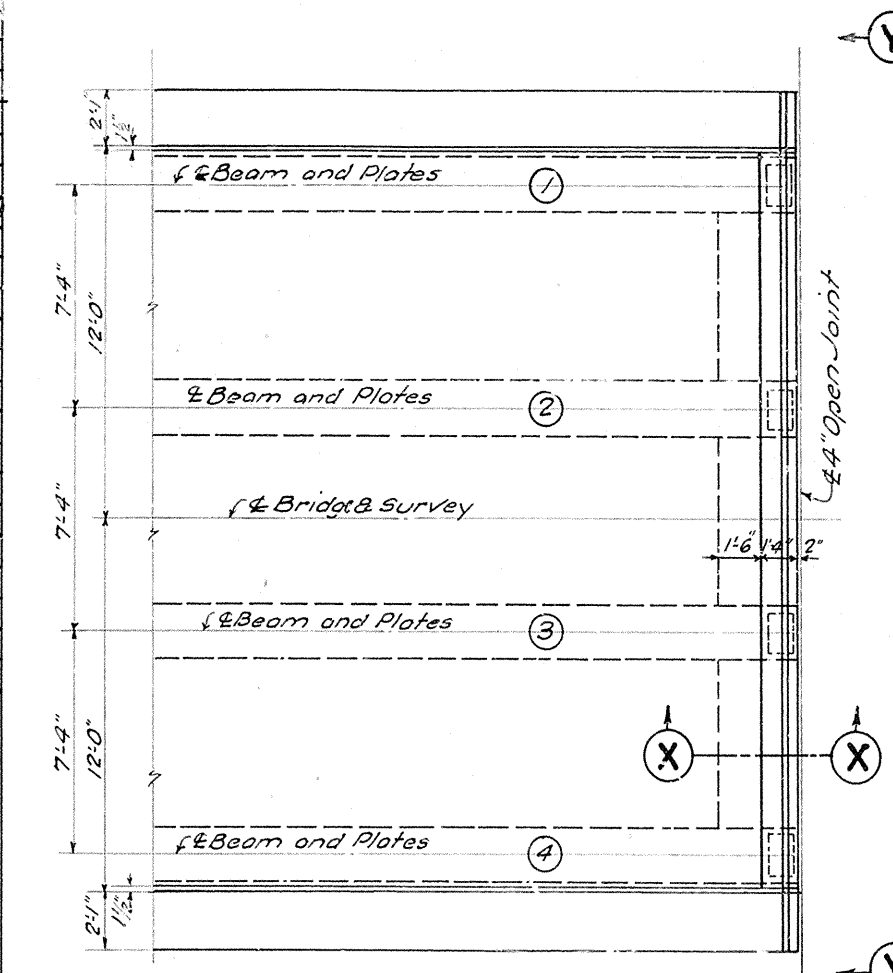
BILL AND TYPES OF REINFORCEMENT

MARK	TYPE	NUMBER				SIZE	LENGTH		LOCATION	a		b		c		d		e		f	
		SPAN 1	SPAN 2	SPAN 3	SPAN 7		FT.	IN.		FT.	IN.	FT.	IN.	FT.	IN.	FT.	IN.	FT.	IN.	FT.	IN.
G1	(1)	20	20	20	20	1 1/4"	60	10	Beams 1-2-3 & 4	-	-	-	-	-	-	-	-	-	-	-	-
G2	(2)	4	4	4	4	1 1/4"	63	4	Exterior Beams 1 & 4	48	3 1/2	5	10 3/4	4	1 3/4	4	2 7/8	58	2 1/4	-	-
G3	(3)	4	4	4	4	"	64	2	" " 1 & 4	4	4 1/2	6	0 1/2	39	1 1/4	4	3 1/2	4	4 3/8	58	2 1/2
G4	(4)	2	2	2	2	"	64	2	" " 1 & 4	8	6 1/2	6	0 1/2	31	7/4	4	3 1/2	4	4 3/8	58	2 1/2
G5	(5)	4	4	4	4	1 1/4"	63	6	Interior Beams 2 & 3	48	2 3/4	5	9 3/4	4	1 1/4	4	2 1/2	58	2 3/4	-	-
G6	(6)	4	4	4	4	"	64	5	" " 2 & 3	4	4 1/2	6	0 1/2	39	10 3/4	4	3 1/4	4	4 1/2	58	2 3/4
G7	(7)	2	2	2	2	"	64	5	" " 2 & 3	8	6 1/2	6	0 1/2	31	6 3/4	4	3 1/4	4	4 1/2	58	2 3/4
G8	(8)	260	260	260	260	5/8"	11	8	Stirrups Beams 1-2-3 & 4	-	-	-	-	-	-	-	-	-	-	-	-
G9	(9)	68	68	68	68	1/2"	28	8	Slab Bent Bars	-	-	-	-	-	-	-	-	-	-	-	-
G10	(10)	134	134	134	134	"	27	10	" Top & Bottom	-	-	-	-	-	-	-	-	-	-	-	-
G11	(11)	118	118	118	118	"	30	5	" & Curbs	-	-	-	-	-	-	-	-	-	-	-	-
G12	(12)	80	80	80	80	"	5	9	Curbs	-	-	-	-	-	-	-	-	-	-	-	-
G13	(13)	4	4	4	4	"	8	8	Endwalls	-	-	-	-	-	-	-	-	-	-	-	-
G14	(14)	15	16	16	15	"	23	4	"	-	-	-	-	-	-	-	-	-	-	-	-
G15	(15)	3	0	0	3	"	23	6	" Spans 1 & 7	-	-	-	-	-	-	-	-	-	-	-	-
G16	(16)	4	4	4	4	5/8"	27	10	Top of Slab over Endwall	-	-	-	-	-	-	-	-	-	-	-	-
G17	(17)	36	24	12	30	1/2"	11	3	Endwalls	5	1	4	3	-	-	-	-	-	-	-	-
G18	(18)	6	12	6	0	"	10	3	"	4	7	3	9	-	-	-	-	-	-	-	-
G19	(19)	20	0	0	20	"	4	2	" Spans 1 & 7	-	-	-	-	-	-	-	-	-	-	-	-
G20	(20)	0	0	6	0	"	9	10	" span 3	3	6	2	5	-	-	-	-	-	-	-	-
G21	(21)	0	0	12	0	"	11	1	" " 3	4	1 1/2	3	0 1/2	-	-	-	-	-	-	-	-
G22	(22)	0	0	12	0	"	12	3	" " 7	5	7	4	9	-	-	-	-	-	-	-	-



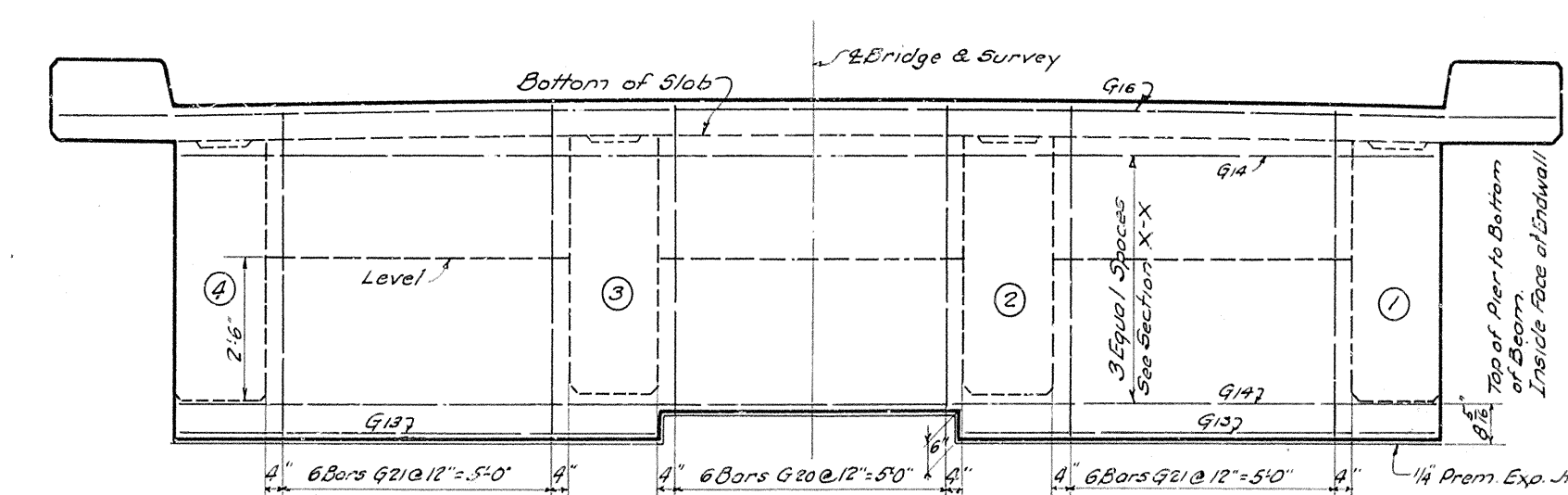
END ELEVATION

At Junction of 59'-0" Span with continuous span over Pier No. 6



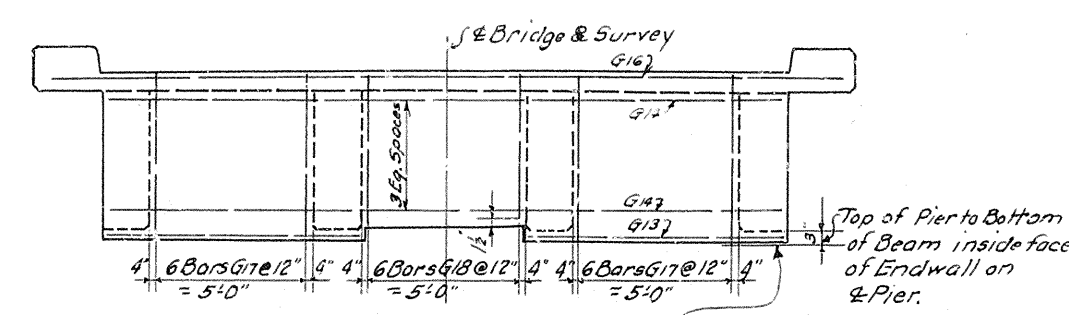
PART PLAN

Junction of 59'-0" Span and continuous span over Pier No. 3



ELEVATION Y-Y

At Junction of 59'-0" Span with Continuous span over Pier No. 3



END ELEVATION

Junction of 59'-0" Spans

ESTIMATE OF QUANTITIES

SPAN 1	
Concrete, Class A	120.6 Cu Yds.
Reinforcement	23060 Lbs.
SPAN 2	
Concrete, Class A	118.3 Cu Yds.
Reinforcement	22950 Lbs.
SPAN 3	
Concrete, Class A	119.1 Cu Yds.
Reinforcement	22950 Lbs.
SPAN 7	
Concrete, Class A	121.0 Cu Yds.
Reinforcement	23080 Lbs.

59'-0" R.C. DECK GIRDER SPAN (2 SHEETS)

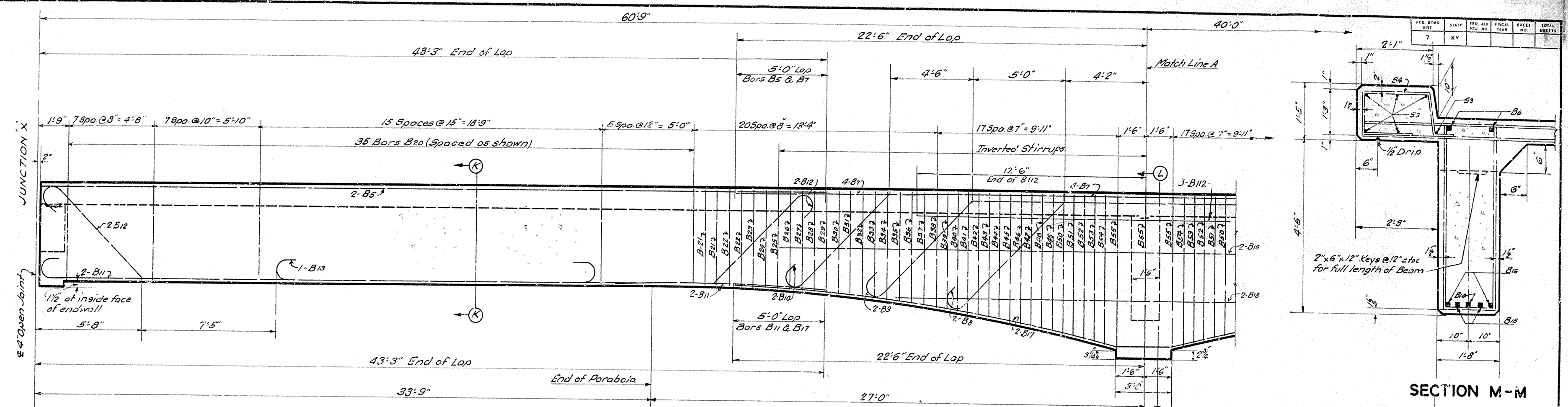
BRIDGE OVER GREASY CREEK Sheet 11 of 19

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
RUSSELL
JAMESTOWN - ALBANY

STATION 21+51.0 ROAD PROJECT NO.
BRIDGE NUMBER DRAWING INDEX
NO 8279

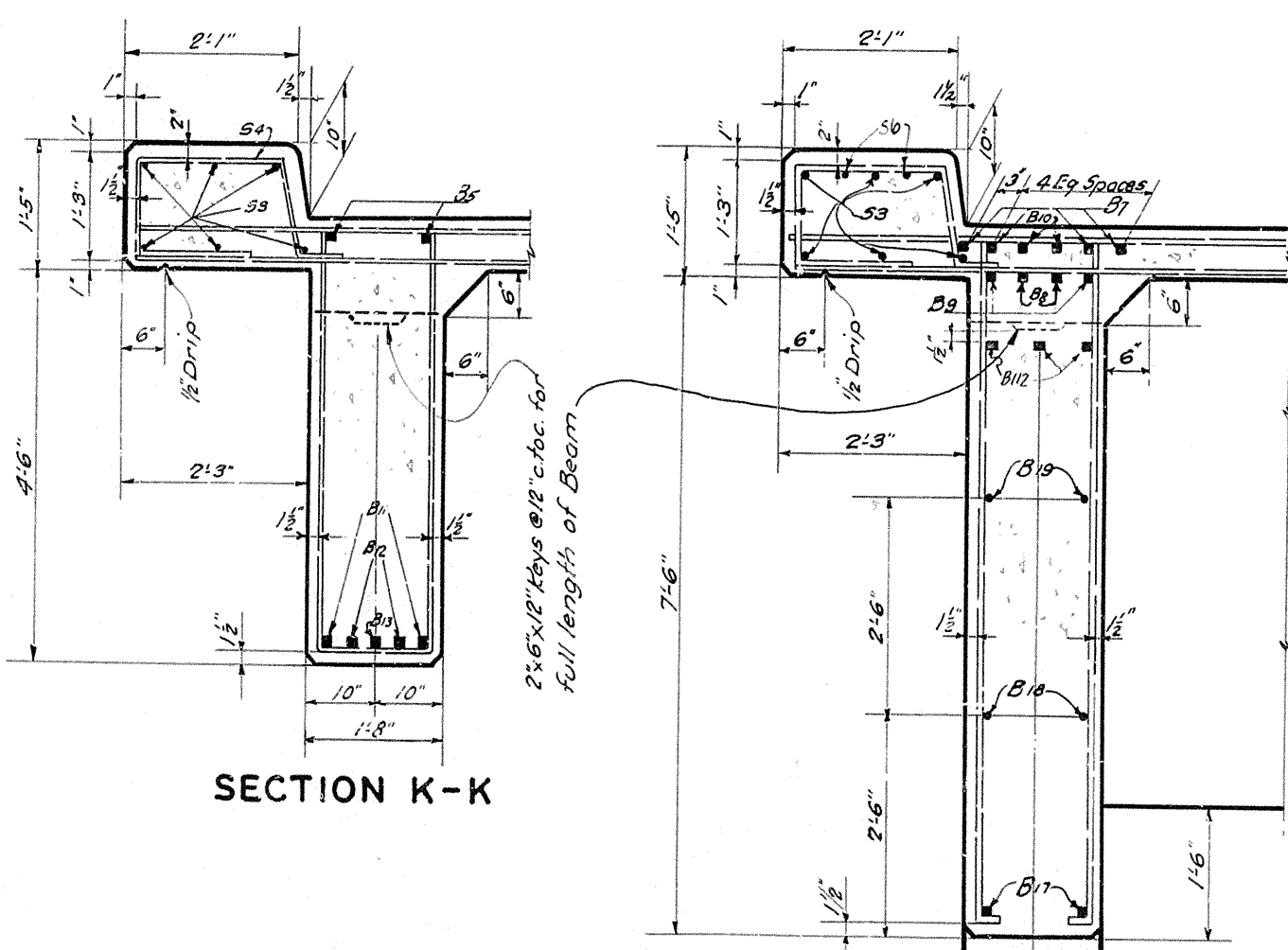
BRIDGE

See Sheet No. 17 for details of Expansion Device



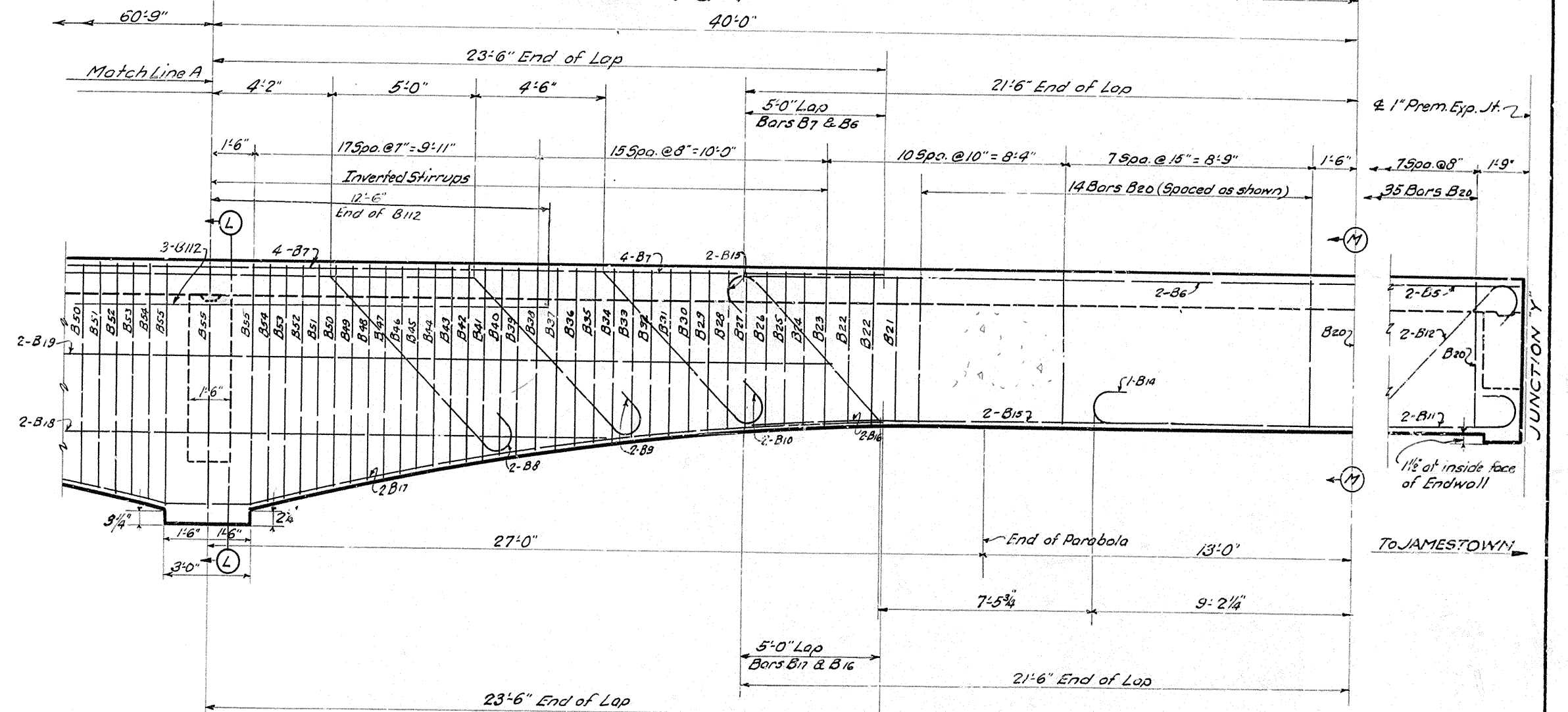
PART LONGITUDINAL SECTION - EXTERIOR BEAMS 1 & 4

SECTION M-M

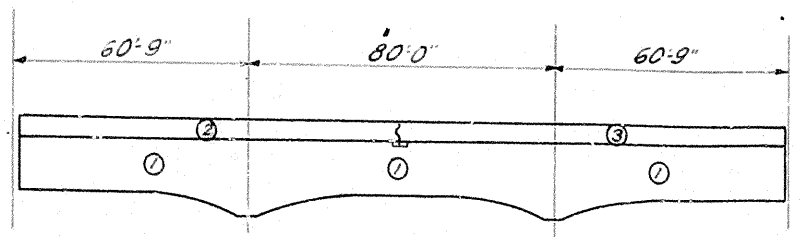


SECTION K-K

SECTION L-L

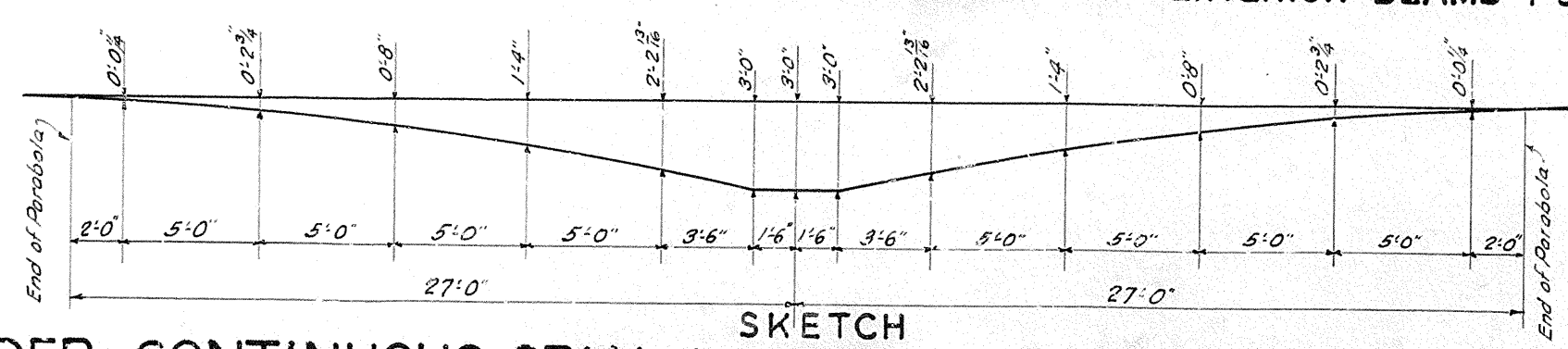


PART LONGITUDINAL SECTION - EXTERIOR BEAMS 1 & 4



SKETCH

Showing order of pouring Superstructure



SKETCH

(Showing Dimensions of Parabola of Beams)

EXTERIOR GIRDER-CONTINUOUS SPAN (4 SHEETS)

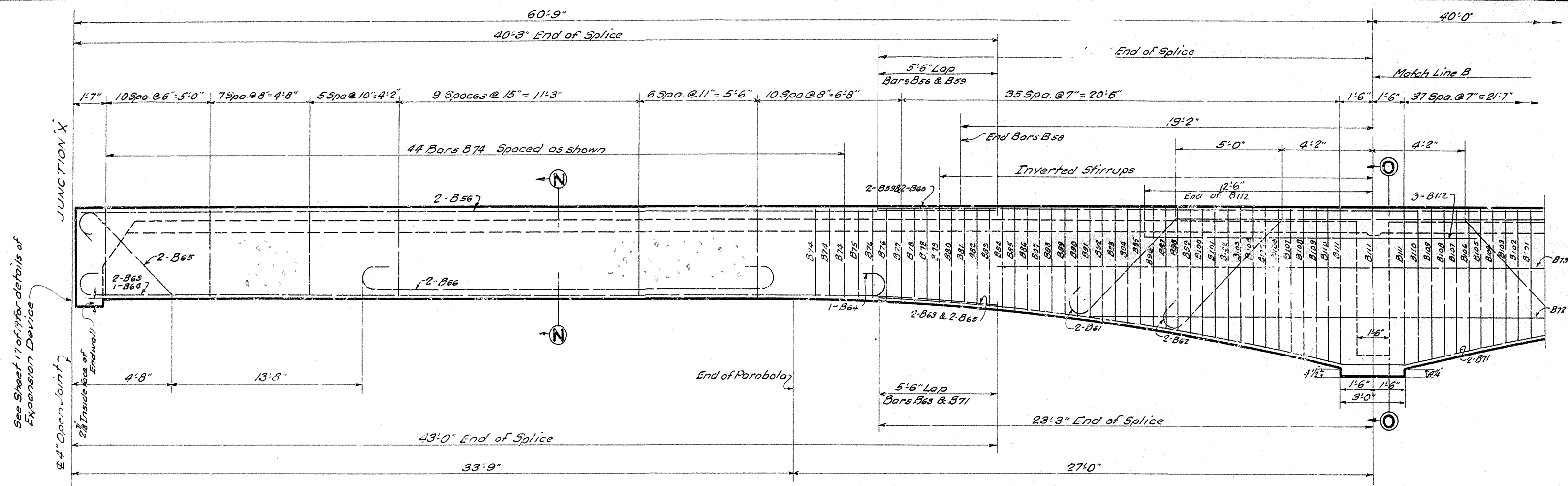
BRIDGE OVER Greasy Creek Sheet 13 of 19

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
RUSSELL
JAMESTOWN-ALBANY

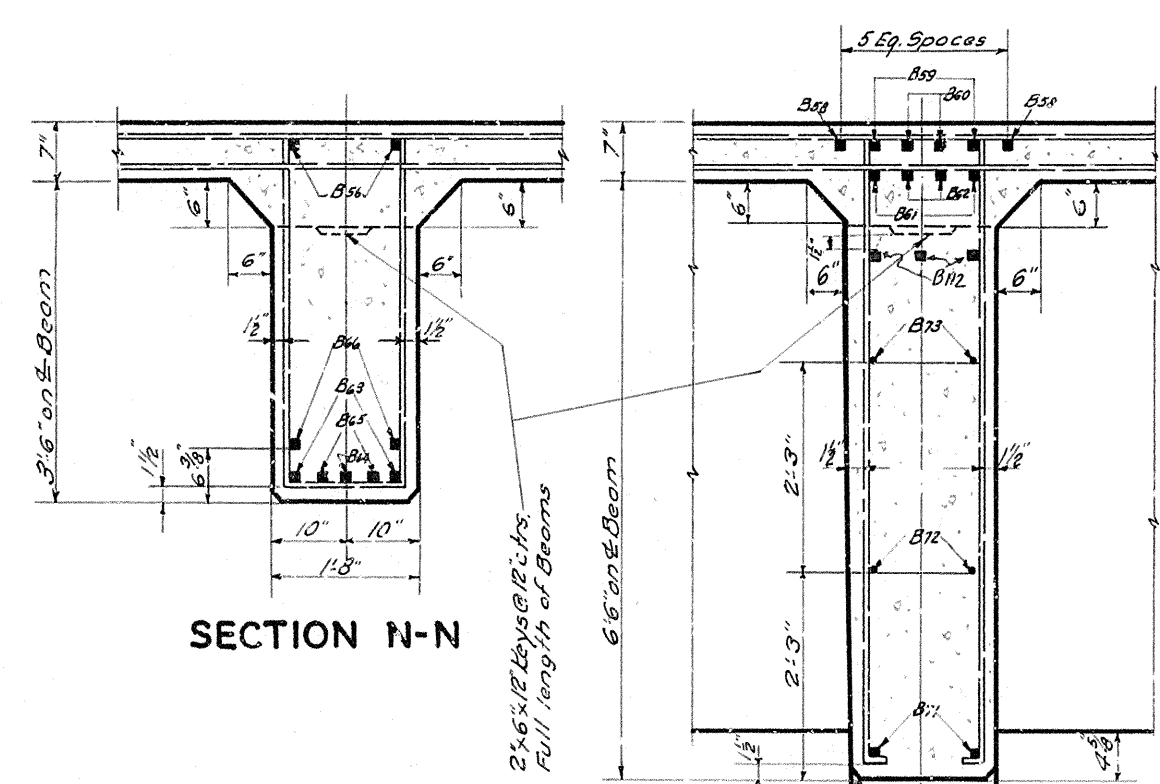
STATION 21+51.00 ROAD PROJECT NO.
BRIDGE NUMBER DRAWING INDEX
No 8279

BRIDGE

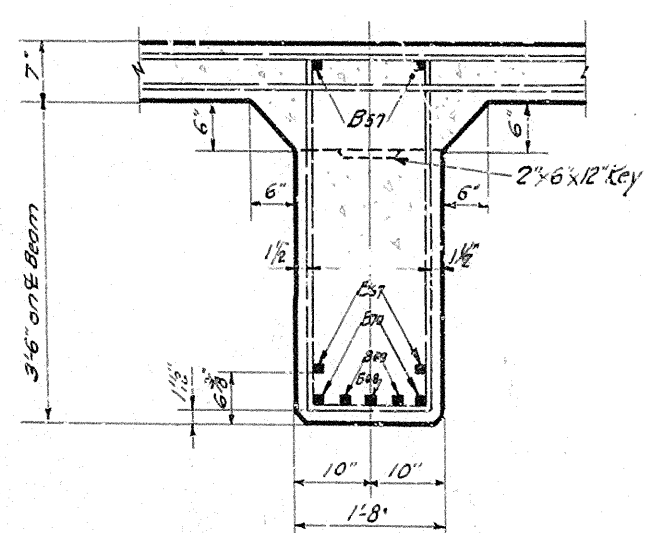
FED. ROAD DIST.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KY.				



PART LONGITUDINAL SECTION INTERIOR BEAMS 2 & 3

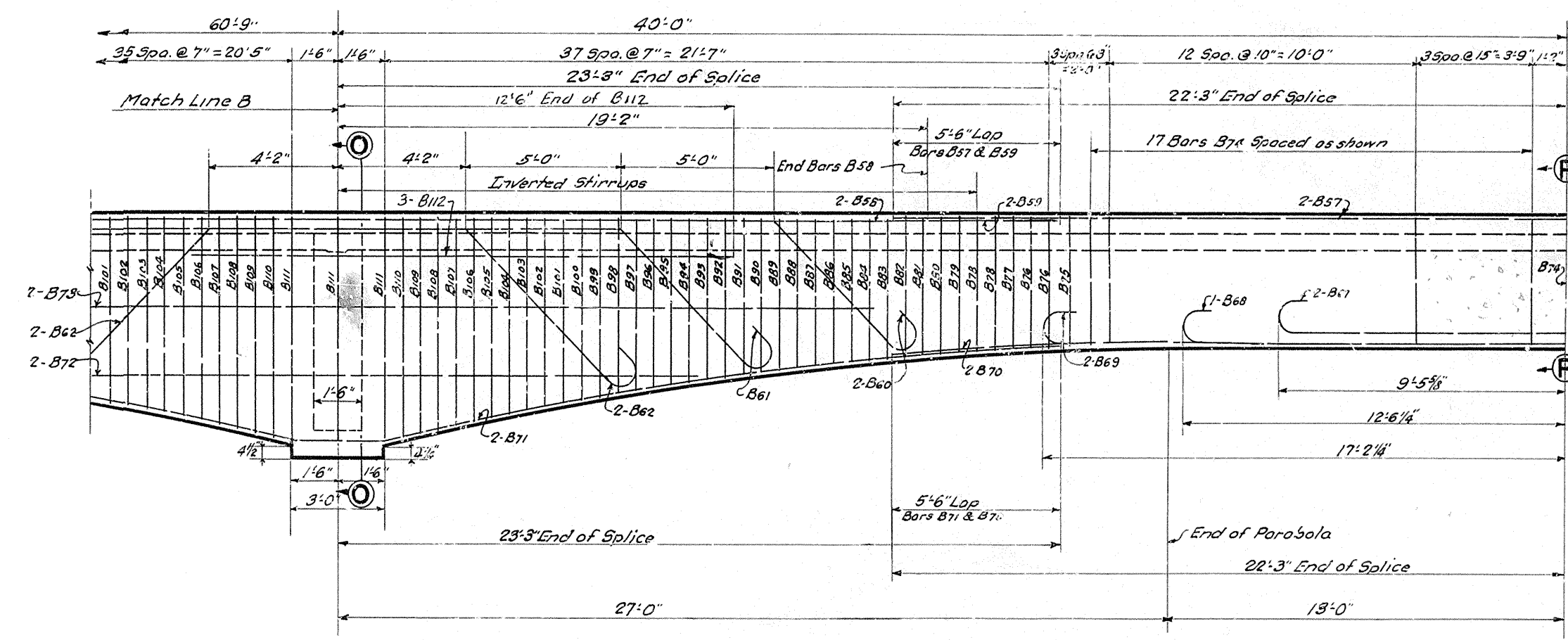


SECTION O-O



SECTION P-P

NOTE: For sketch showing dimensions of Parabola of Beams see Sheet 13 of 19.



FED. ROAD DIST.	STATE	FED. AID PRO. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KY.				

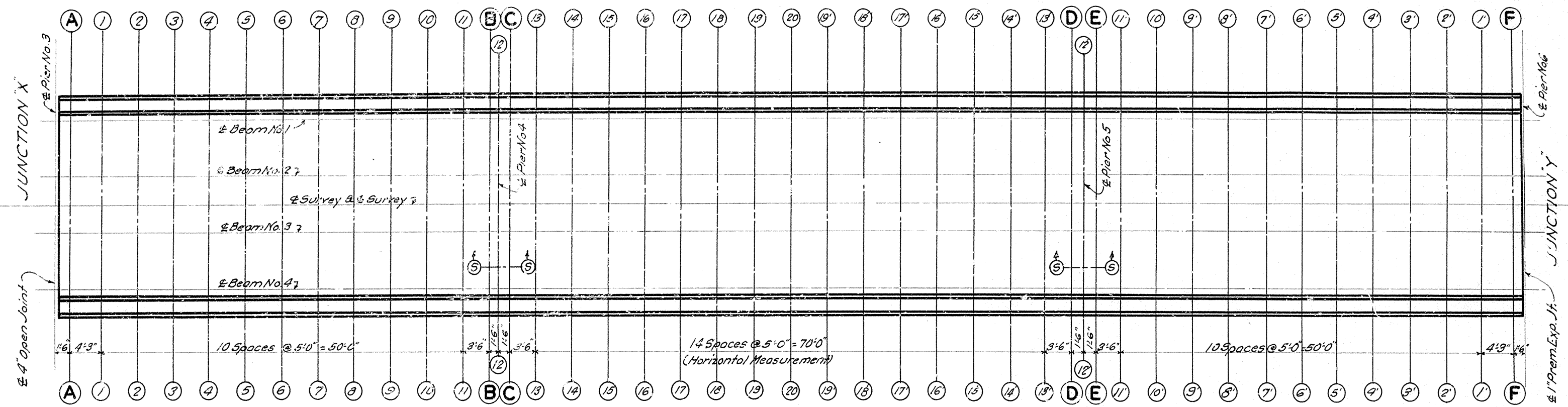
DESIGNED BY	CHECKED BY	DATE	REVISIO	DATE
DETAILD BY	ENGINEERED BY	DATE	REVISE	DATE
51465 9476 CHECKED BY <i>Edgar Varghese</i> DATE <i>1/3</i>			REVISED	DATE

Concrete Class "A"	4023	Cu.Yds
Reinforcement	84690	Lbs.



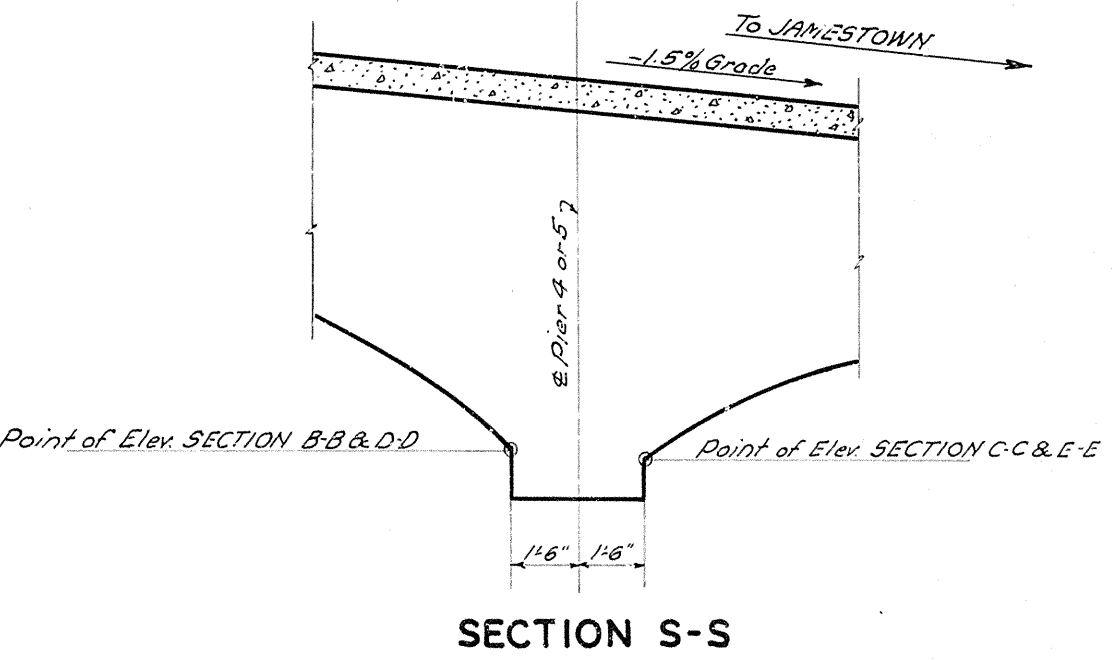
DRAWING	INDEX
NO. 8279	

BRIDGE



PLAN
(Showing Location of Sections)

TABLE OF ELEVATIONS			
SECTION	ELEV. TOP OF SLAB & SURVEY & BRIDGE	ELEV. BOTTOM OF BEAMS 2 & 3	ELEV. BOTTOM OF BEAMS 1 & 4
A-A	778.714	774.619	773.523
1-1	778.654	774.559	773.434
2-2	778.583	774.488	773.392
3-3	778.511	774.415	773.320
4-4	778.437	774.342	773.246
5-5	778.362	774.267	773.171
6-6	778.286	774.190	773.095
7-7	778.208	774.095	772.999
8-8	778.131	773.809	772.714
9-9	778.053	773.293	772.198
10-10	777.976	772.548	771.452
11-11	777.900	771.572	770.476
B-B	777.848	770.752	769.657
12-12	777.825		
C-C	777.805	770.107	769.612
13-13	777.751	771.423	770.327
14-14	777.678	772.249	771.154
15-15	777.606	772.846	771.751
16-16	777.534	773.213	772.118
17-17	777.463	773.349	772.254
18-18	777.391	773.296	772.200
19-19	777.318	773.223	772.127
20-20	777.243	773.148	772.053
19-19	777.169	773.073	771.977
18-18	777.091	772.996	771.900
17-17	777.013	772.899	771.804
16-16	776.934	772.613	771.518
15-15	776.858	772.096	771.001
14-14	776.778	771.349	770.254
13-13	776.701	770.373	769.277
D-D	776.648	769.532	768.457
12-12	776.625		
E-E	776.603	769.507	768.412
11-11	776.530	770.222	769.125
10-10	776.476	771.043	769.952
9-9	776.403	771.643	770.548
8-8	776.331	772.009	770.914
7-7	776.258	772.145	771.039
6-6	776.185	772.030	770.995
5-5	776.112	772.017	770.921
4-4	776.037	771.942	770.846
3-3	775.961	771.863	770.770
2-2	775.883	771.788	770.692
1-1	775.804	771.709	770.614
F-F	775.736	771.641	770.546



NOTE: Elevations shown hereon include construction camber and must be maintained while False Work is in place.

ELEVATIONS-CONTINUOUS SPAN

BRIDGE OVER GREASY CREEK Sheet 16 of 19

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
RUSSELL
JAMESTOWN - ALBANY

ROAD PROJECT NO.
STATION 21+51.00
BRIDGE NUMBER

DRAWING INDEX
NO. 8279

BRIDGE

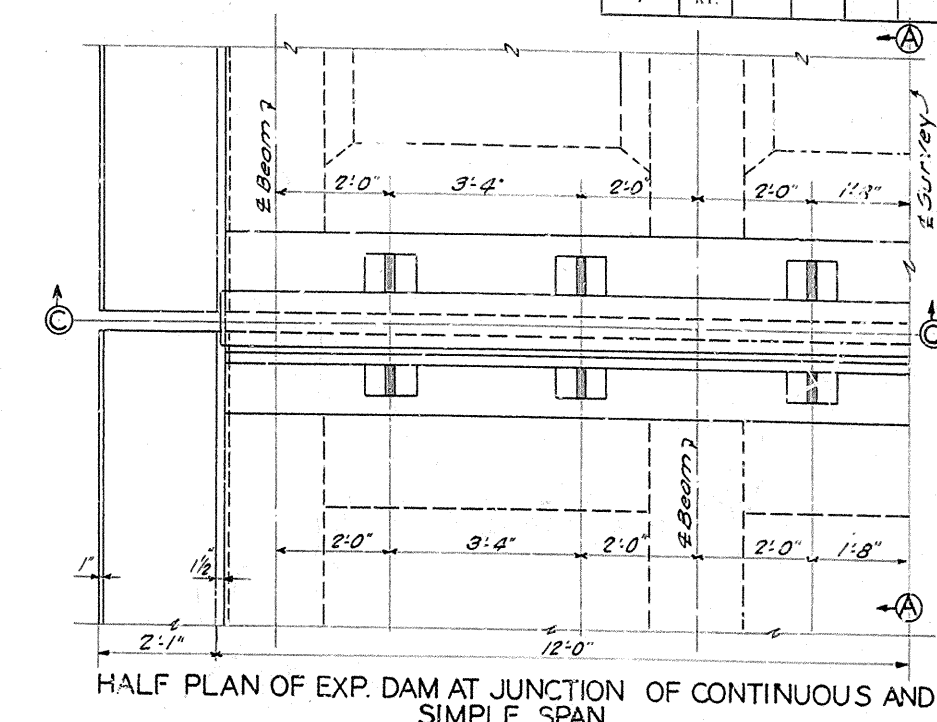
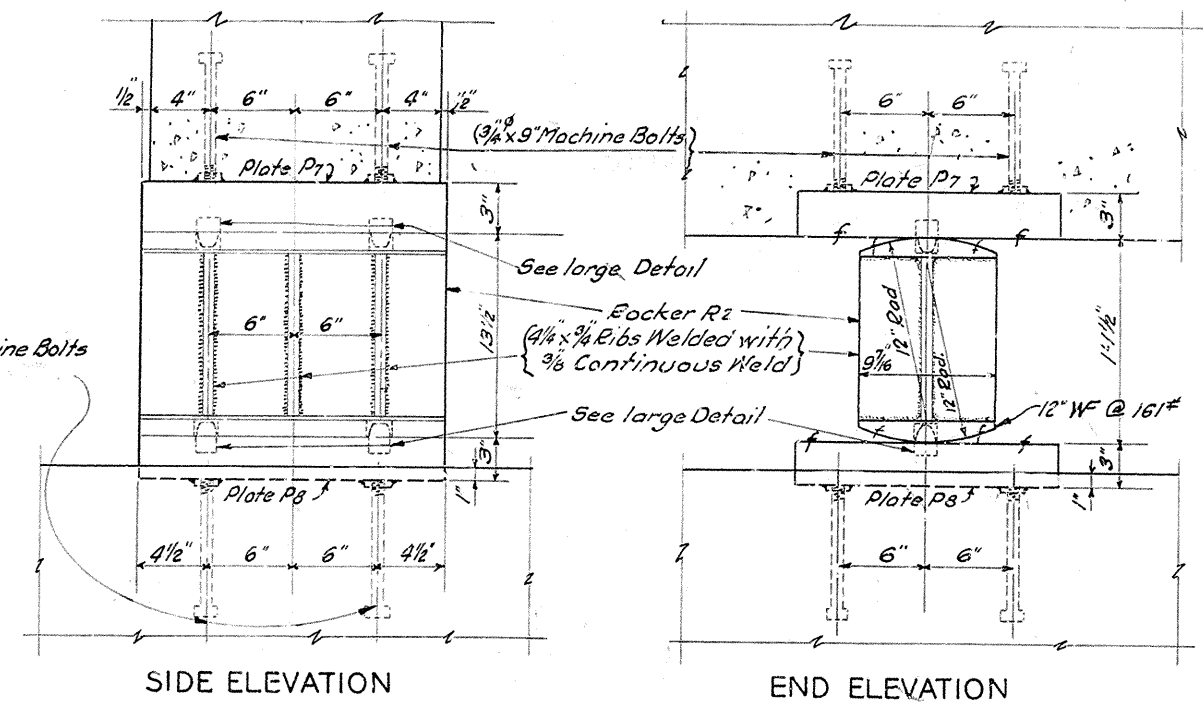
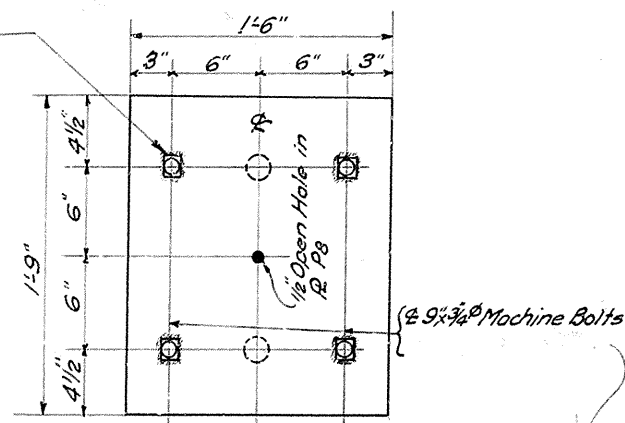
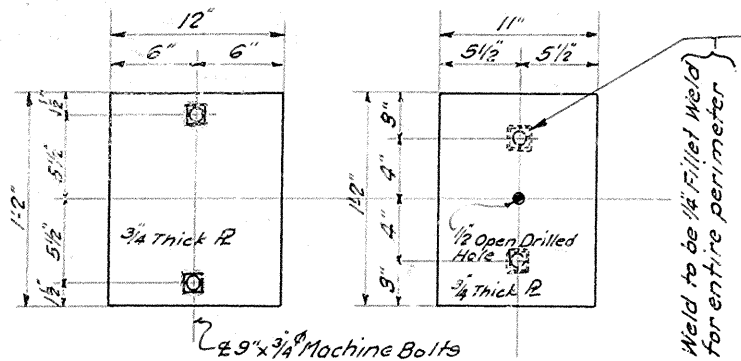


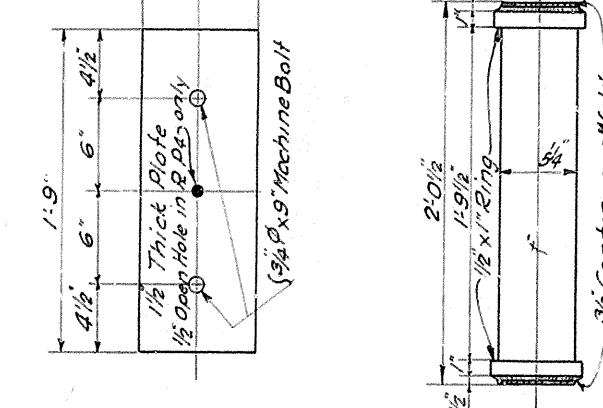
PLATE P1
For further details of Plates P1 & P2 see SECTION A-A
Approximate Wt = 40#

PLATE P2
Approximate Wt = 360#
16 Plates P1 Required
16 Plates P2 Required

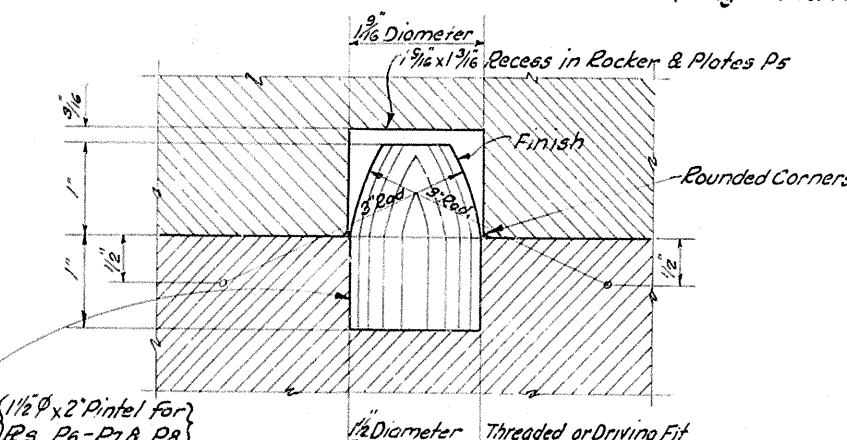
DETAILS OF EXPANSION PLATES FOR SIMPLE SPAN
Plates P1 & P2 to be Class C or B100-42, Type A or B with sliding surface finely polished. Two 9x9 Machine Bolts & Nuts to be furnished for each Plate, weight of bolt & nuts not included in weight of plates, cost of bolts & nuts to be included in price bid for plates. Plates to be true to dimensions and sliding surfaces shall be even and flat to give full bearing with no interference to sliding.

PLAN OF PLATES P7 & P8
For finished surfaces and welded nuts for Plates P7 & P8 see END ELEVATION shown hereon.

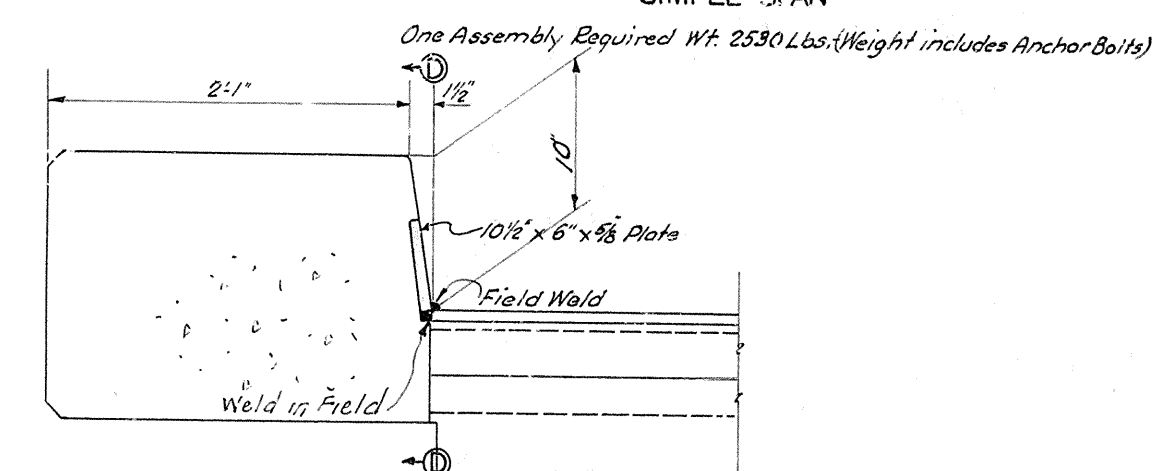
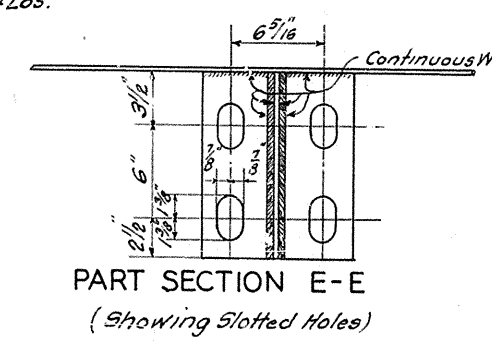
DETAILS OF EXPANSION ROCKER ASSEMBLY AT INTERMEDIATE SUPPORT OF CONTINUOUS SPAN
4 Top Plates P7 Required Weight each 327.3 Lbs.
4 Bottom Plates P8 Required Weight each 327.2 Lbs.
4 Rockers R2 Required Weight each 236.4 Lbs.
(Weight includes Bolts & Fintels & Nuts.)



PLATES P3 & P4
For finished surface of Plates and Welded Nuts for Plates see SECTION A-A



DETAILS OF PINEL AND RECESS FOR ROCKER AND FIXED SHOES CONTINUOUS SPAN
1 1/2 x 2 Pinel for (R2, P6, P7 & P8)
1/4 Diameter Threaded or Driving Fit
Rounded Corners



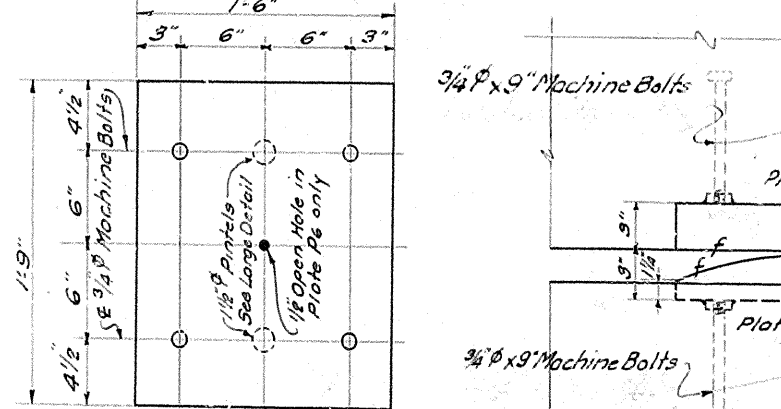
PART SECTION C-C

GENERAL NOTE

Structural Steel: All material shown on this sheet unless otherwise noted to conform to A.S.T.M. A7-46 Specifications.
Note: Weights shown on this sheet include weights of nuts, Bolts, Pintels and Rivets; cost of Plates, Bolts, Nuts, Pins and Pintels to be paid for at unit price bid for Structural Steel, or as called for.
Plates: Contact Surfaces of all Plates to have a smooth polished surface. Plates must be true and free of Warp.
To be commercial grade steel.
Point: All material shown on this sheet to have a shop coat of Red Lead Paint. All exposed surfaces not in contact with concrete are to be given two field coats of White Lead Paint according to 1945 Kentucky Dept. Specifications before erection, except Plates P1 and P2.
See Emergency Provision 7, R2
Welding Material: Welding Material shall conform to the American Welding Society current Specifications for Welded Highway and Railroad Bridges, Edition 1941 and subsequent adopted amendments.

DETAILS OF EXPANSION PLATES & ROLLERS AT ENDS OF ANCHOR ARMS OF CONTINUOUS SPAN
8 Top Plates P3 Required - Wt. each = 74.1 Lbs.
8 Bottom Plates P4 Required - Wt. each = 74.0 Lbs.
8 Rollers R1 Required - Wt. each = 156.8 Lbs.
Wts. include bolts & nuts

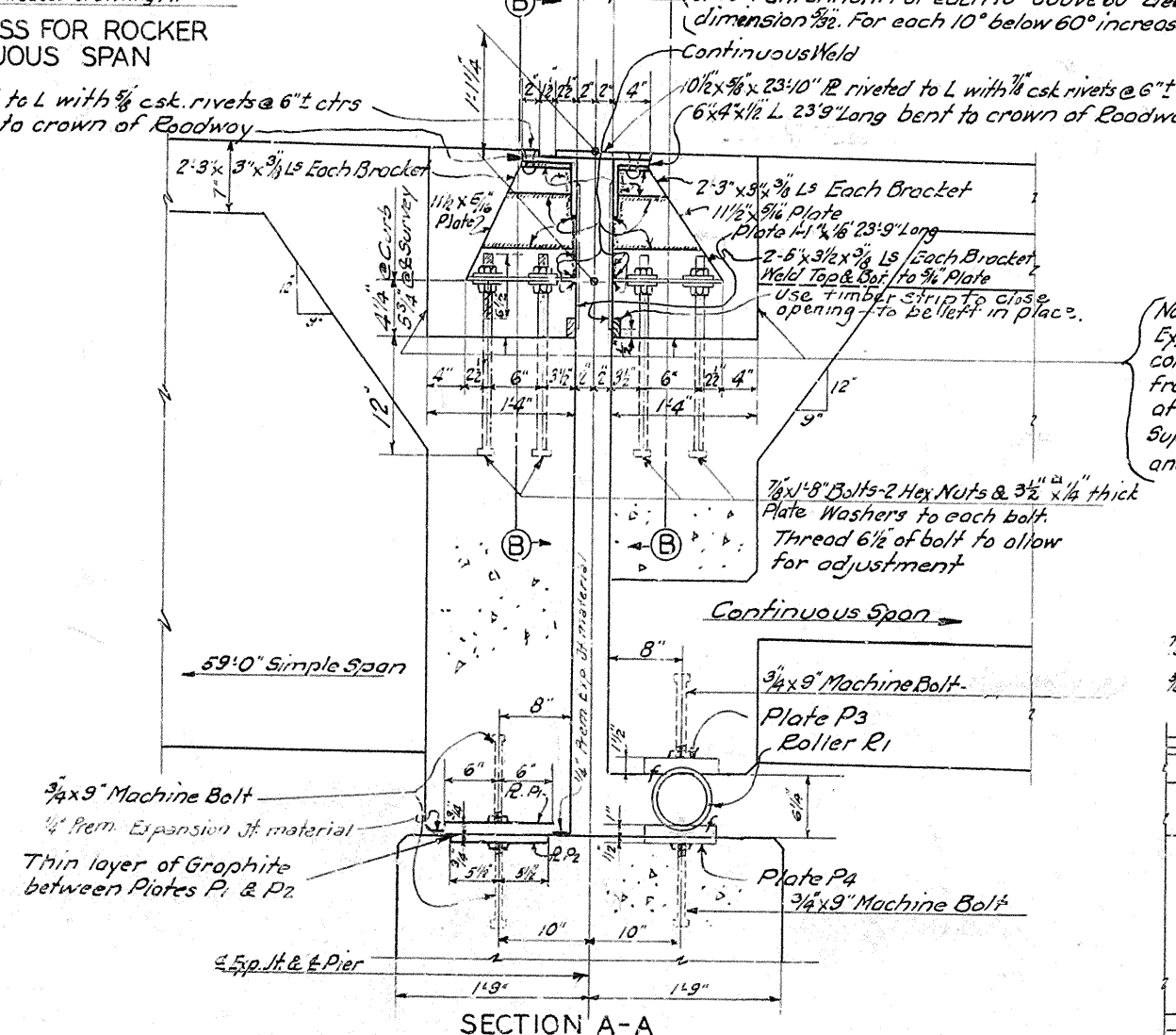
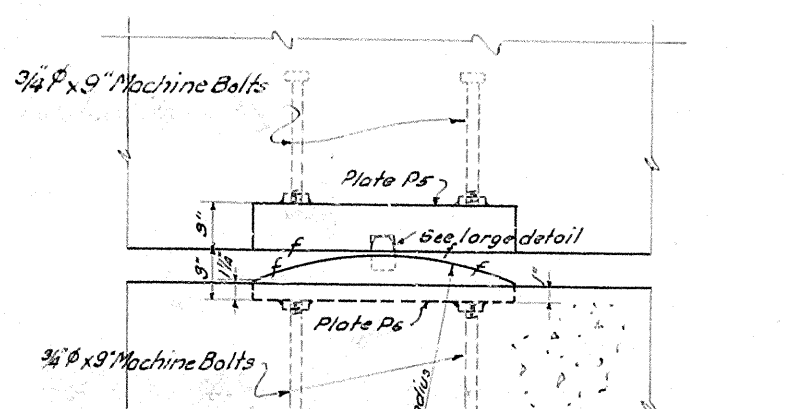
ROLLER R1
For finished surface of Plates and Welded Nuts for Plates see SECTION A-A



PLAN OF PLATES P5 & P6
For finished surfaces and welded nuts for Plates P5 & P6 see FIXED SHOE ASSEMBLY shown hereon.

DETAILS OF PLATES FOR FIXED SHOE FOR CONTINUOUS SPAN
4 Top Plates P5 Required - Wt. each 325.3 Lbs.
4 Bottom Plates P6 Required - Wt. each 265.7 Lbs.
(Weight includes Bolts & Pintels & Nuts.)

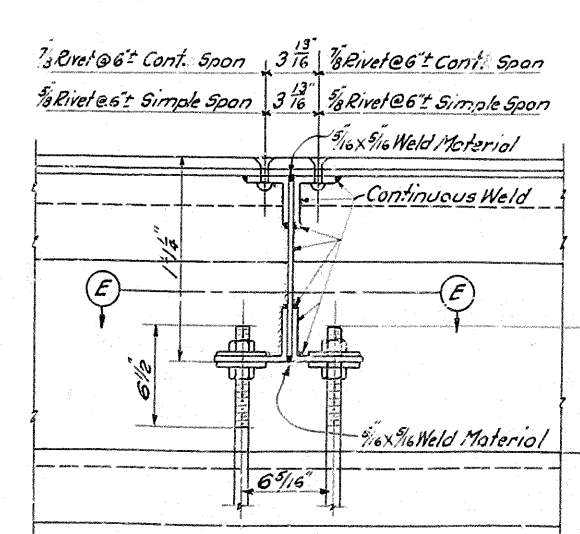
FIXED SHOE ASSEMBLY FOR CONTINUOUS SPAN



SECTION A-A

DETAIL OF SHOES AND EXPANSION DEVICE

NOTE: Contractor is to place Expansion Dam and pour concrete inside these Lines from face to face of Curb after the remainder of the Superstructure has been poured and forms have been removed.



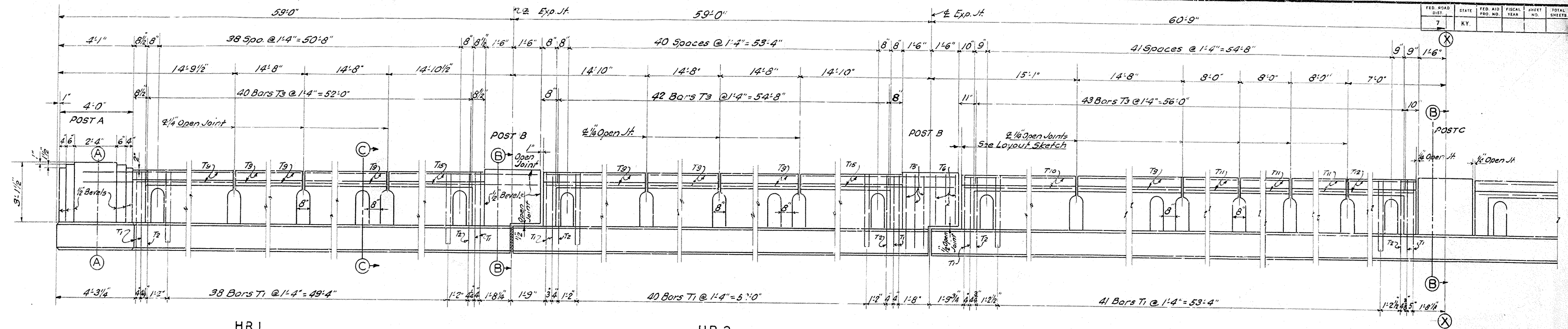
PART SECTION B-B

BRIDGE OVER GREASY CREEK Sheet 17 of 19

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
RUSSELL
JAMESTOWN - ALBANY

ROAD PROJECT NO.
STATION 21+51.0
BRIDGE NUMBER
DRAWING INDEX
NO. 8219

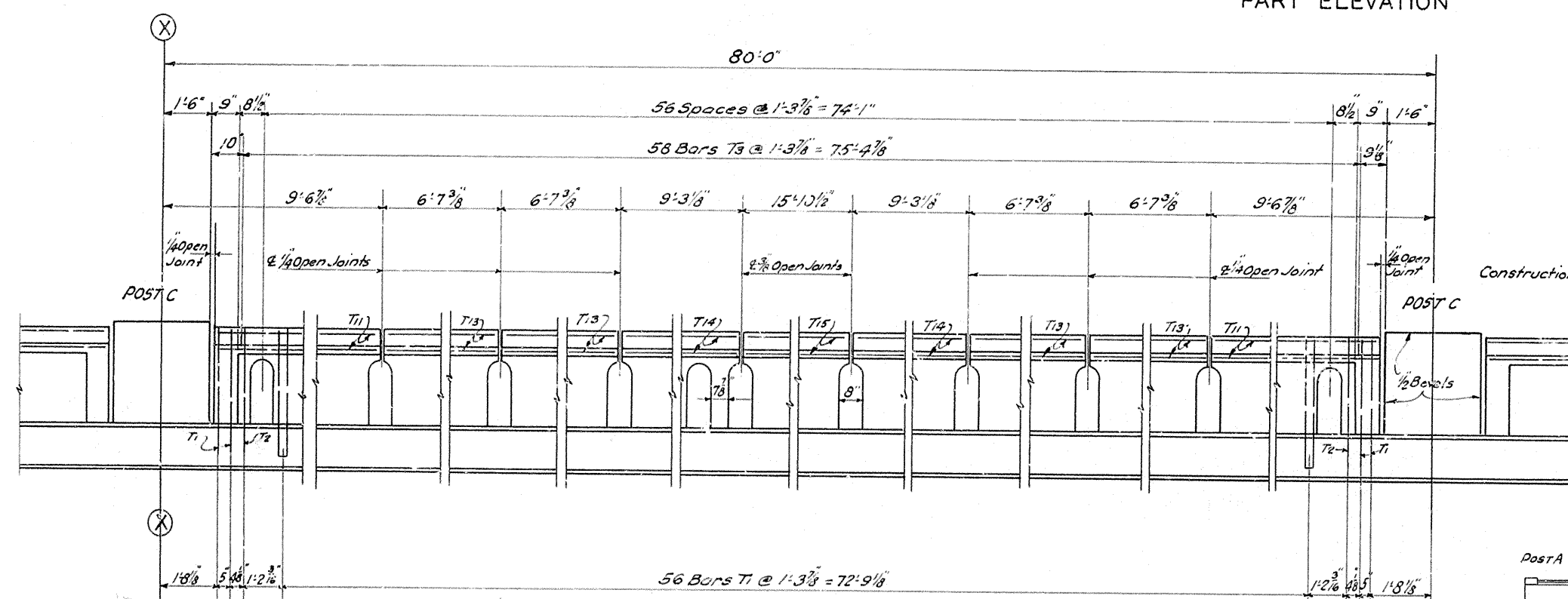
BRIDGE



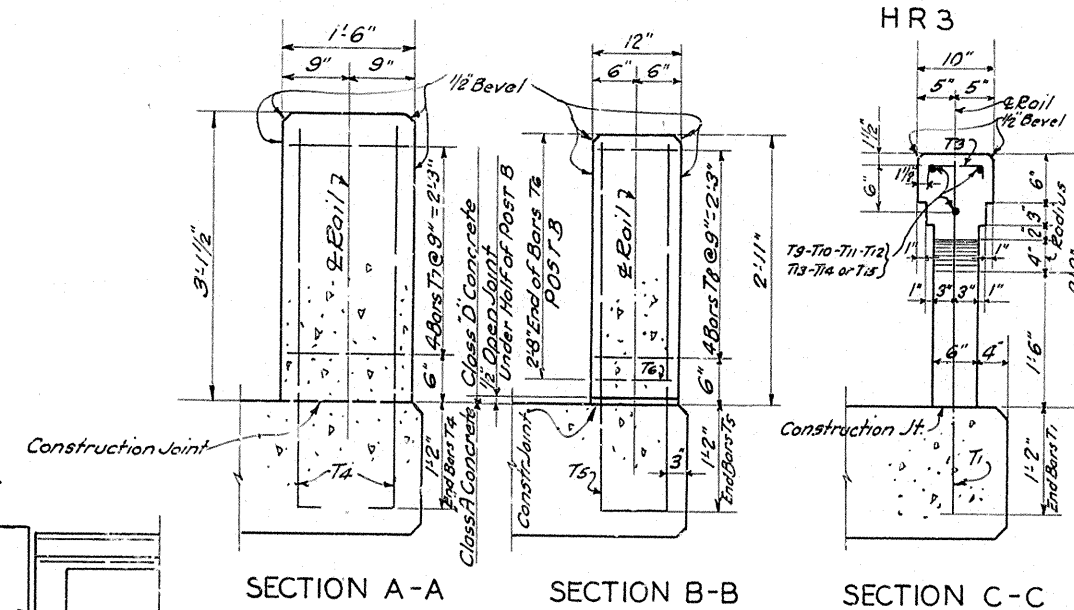
HR 1

HR 2

PART ELEVATION



H.R. 4
PART ELEVATION

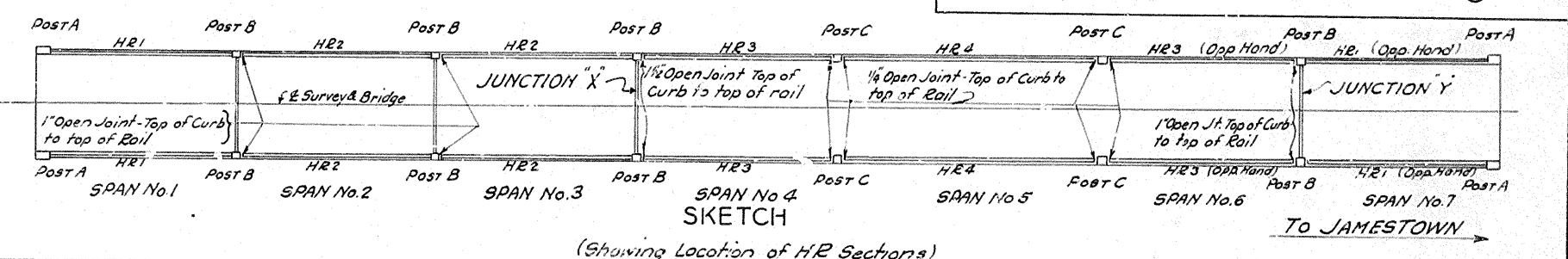
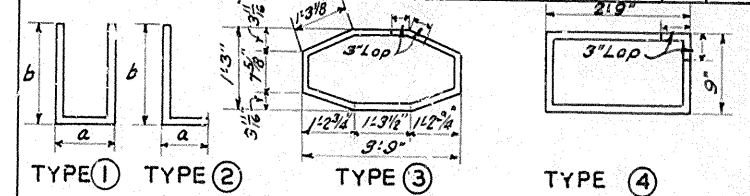


SECTION A-A

SECTION B-B

SECTION C-C

BILL AND TYPES OF REINFORCEMENT ENTIRE BRIDGE										ENTIRE BRIDGE	
MARK	TYPE	NO	SIZE	LENGTH	LOCATION	a	b				
				FT.	IN.	FT.	IN.	FT.	IN.	FT.	IN.
T1	(1)	644	5/8" P	7	8	Spindles		0	5	3	9
T2	(2)	28	"	3	11	"		0	3	3	9
T3	(1)	616	1/2" P	0	11	Top Rail		0	7	0	3
T4	(2)	56	5/8" P	4	1	Post A		0	3	3	11
T5	(1)	48	"	8	3	" B & C		0	8	3	11
T6	"	24	"	5	7	" B		0	8	2	7
T7	(3)	16	1/8" P	9	1	" A		-	-	-	-
T8	(4)	48	"	7	3	" B & C		-	-	-	-
T9	Str.	84	"	14	4	Rail HR1-HR2 & HR3		-	-	-	-
T10	"	12	"	13	2	" HR3		-	-	-	-
T11	"	48	"	7	8	" HR3 & HR4		-	-	-	-
T12	"	12	"	5	9	" HR3		-	-	-	-
T13	"	24	"	6	4	" HR4		-	-	-	-
T14	"	12	"	9	0	" HR4		-	-	-	-
T15	"	30	"	15	7	" HR1-HR2 & HR4		-	-	-	-



ESTIMATE OF QUANTITIES
FOR ENTIRE BRIDGE
Concrete, Class D 41.7 Cu Yds.
Reinforcement 8450 Lbs.

BRIDGE OVER GREASY CREEK Sheet No. 19

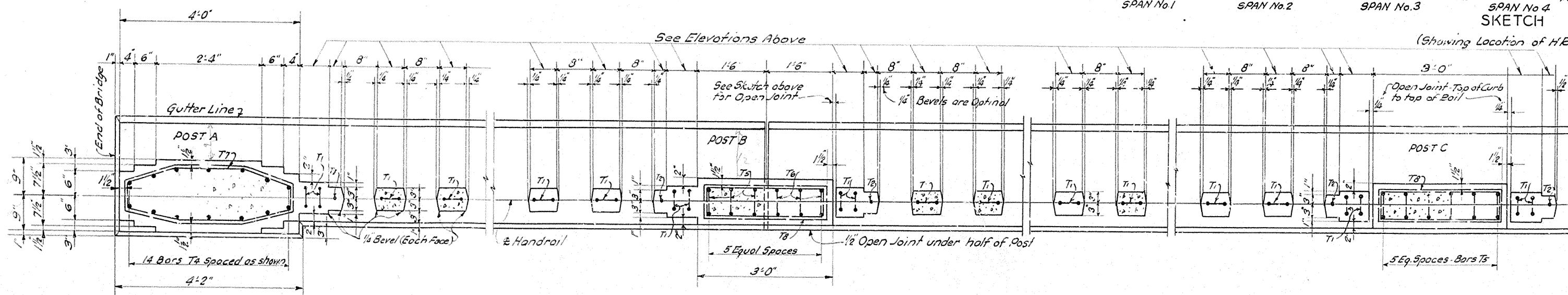
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
RUSSELL
JAMESTOWN - ALBANY

STATION 21+51.00 ROAD PROJECT NO.
BRIDGE NUMBER DRAWING INDEX
No. 8279

HANDRAIL

NOTE: All corners of Posts, Railing and Spindles to be beveled 1/4" unless otherwise noted.
Posts and Spindles to be vertical. Top of Posts B and C and Railing to be parallel to grade. Top of Post A to be level.
Do not put camber in Handrail.

PART SECTIONAL PLAN



BRIDGE

19

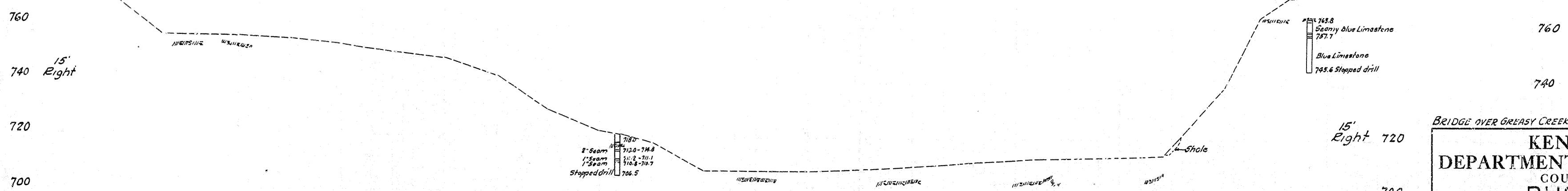
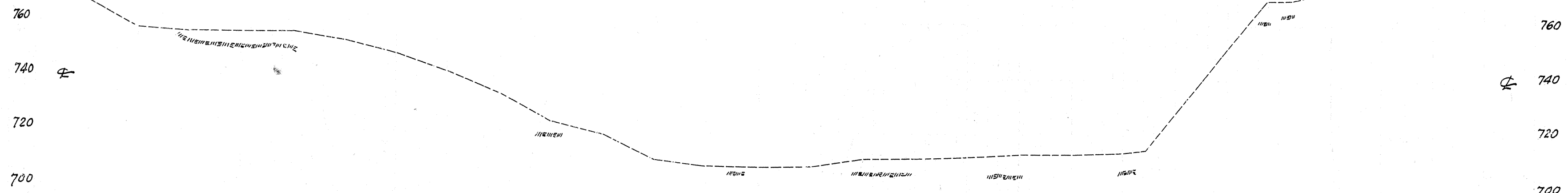
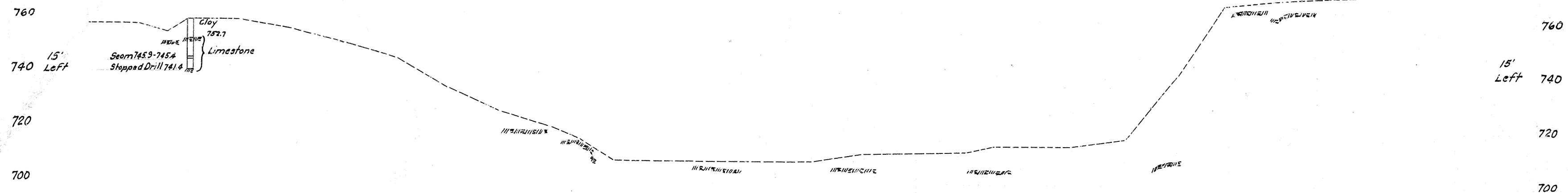
20

21

22

23

24



SOUNDINGS

19

20

21

22

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24

BRIDGE OVER GREASY CREEK Sheet 13 of 19

KENTUCKY
DEPARTMENT OF HIGHWAYS
COUNTY OF
RUSSELL
JAMESTOWN - ALBANY
ROAD

STATE PROJECT No. 8279
SECTION DATE

Sto. 21+51.0
SURVEYED BY DISTRICT LOCATING ENGINEER

BRIDGE