

KENTUCKY DEPARTMENT OF HIGHWAYS

I-71 TWIN BRIDGES OVER MOCKINGBIRD VALLEY RD.

LOUISVILLE-COVINGTON ROAD

JEFFERSON COUNTY

REFERENCES AND ESTIMATE OF QUANTITIES

ITEM	SHEET NO	CLASS "A" CONCRETE	REINFORCE- MENT	STRUCTURAL STEEL	EXCAVATION COMMON	HIGH STRENGTH HANDRAIL	BRONZE PLATES	PROTECTIVE COATING	SLOPE PROTECTION AGGREGATE	END BENT BACK FILL	CONCRETE PILING: LINEAR FEET (SEE GENERAL NOTE FOR DESCRIPTION OF ALTERNATE PILES)												ELECTRICAL CONDUIT	
		CU YDS	LBS	LUMP SUM	CU YDS	LIN FT	LBS	SQ YDS	SQ YDS	CU YDS	ALTERNATE A		ALTERNATE B		ALTERNATE C		ALTERNATE D		ALTERNATE E		ALTERNATE F			
											FURNISH	DRIVE	FURNISH	DRIVE	FURNISH	DRIVE	FURNISH	DRIVE	FURNISH	DRIVE	FURNISH	DRIVE		
TITLE SHEET	1																							
PLAN SHEET	2																							
LAYOUT SHEET	3																							
GENERAL NOTE	4																							
SUBSTRUCTURE QUANTITIES (SOUTHBOUND)																								
END BENT NO. 1	5	56.1	3103		135					77	1176	1176	1176	1176	1176	1176	1176	1176	1176	1176	1176	1176	1176	
PIER NO. 1	6	93.7	16004		145		720				1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	
PIER NO. 2	7	92.4	15768		170		324				1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	
END BENT NO. 2	8	47.5	2649		115					66	952	952	952	952	952	952	952	952	952	952	952	952	952	
PILE RECORD	13-14																							
SOUNDINGS	15																							
ALTERNATE PILES	See General Note																							
SUBSTRUCTURE TOTAL (S.B.)		289.7	37524		565		1044		1080	143	4928	4928	4928	4928	4928	4928	4928	4928	4928	4928	4928	4928	4928	
SUPERSTRUCTURE QUANTITIES (SOUTHBOUND)																								
SPAN NO. 1	16-17-18-19-20-21-22	256.0	54149				400																	
SPAN NO. 2	16-17-18-19-20-21	238.7	49953				400																	
SPAN NO. 3	16-17-18-19-20-21-22	229.1	48845				360																	
CONSTRUCTION ELEVATIONS	32-33-34																							
High Strength Handrail	H115 or H150					318																		
Electrical Layout	30																							
Light Bracket Detail	31																							
Armored Edge	AE1 & AE2																							
SUPERSTRUCTURE TOTAL (S.B.)		723.1	152947			318	1160	1230																
TOTAL FOR S.B. BRIDGE		1013.1	190471	①	565	318	2204	1230	1080	143	4928	4928	4928	4928	4928	4928	4928	4928	4928	4928	4928	4928	4928	
SUBSTRUCTURE QUANTITIES (NORTHBOUND)																								
END BENT NO. 1	9	49.2	2768		120					68	952	952	952	952	952	952	952	952	952	952	952	952	952	
PIER NO. 1	10	91.1	14614		140		648				1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	
PIER NO. 2	11	90.8	14613		170		324				1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	
END BENT NO. 2	12	45.6	2558		110					63	952	952	952	952	952	952	952	952	952	952	952	952	952	
PILE RECORD	13-14																							
SOUNDINGS	15																							
ALTERNATE PILES	See General Note																							
Substructure Total (N.B.)		276.7	34553		540		972		995	131	4704	4704	4704	4704	4704	4704	4704	4704	4704	4704	4704	4704	4704	
SUPERSTRUCTURE QUANTITIES (NORTHBOUND)																								
Span No. 1	23-24-25-26-27-28-29	227.1	48644				360																	
Span No. 2	23-24-25-26-27-28	213.1	43351				360																	
Span No. 3	23-24-25-26-27-28-29	221.1	46301				360																	
CONSTRUCTION ELEVATIONS	32-33-34																							
High Strength Handrail	H115 or H150					317																		
Electrical Layout	30																							
Light Bracket Detail	31																							
Armored Edge	AE1 & AE2																							
SUPERSTRUCTURE TOTAL (N.B.)		663.1	140466			317	1080	1130																
TOTAL FOR N.B. BRIDGE		940.0	175019	②	540	317	2052	1130	995	131	4704	4704	4704	4704	4704	4704	4704	4704	4704	4704	4704	4704	4704	
TOTAL FOR BOTH BRIDGES		1953.0	365490	③ One	1105	635	4256	2360	2075	274	9632	9632	9632	9632	9632	9632	9632	9632	9632	9632	9632	9632	9632	④ one

- ① Total approximate quantities
- | | |
|---|--------------|
| 2" Galv. Rigid Conduit | 415 Lin. Ft. |
| 1" Galv. Rigid Conduit | 11 Lin. Ft. |
| 3/4" Galv. Rigid Conduit (Drip Drains) | 2 Lin. Ft. |
| 16" X 6" X 6" Junction Boxes (Oz Electrical type YUor approved equal) | 3 Each |
| Expansion Fittings (Crouse-Hinds XJ641 with GC 100 grounding straps) | 4 Each |
| 2" Galv. Conduit Caps | 4 Each |
| 1" Galv. Conduit Caps | 2 Each |
| 1" X 2" 9" Anchor Bolts Nuts and Washers | 8 Each |
| Permanent Concrete Markers | 4 Each |

* Linear feet of one of Alternate types of Piles A, B, C or E shall be used in the End Bents and be paid for at the unit prices bid for furnishing and driving respectively for Alternates D or F.

REFERENCES

- G353 c G354 b. AE1, AE 2, SF2a H115, H150, P2, P20, P21, P22, P23, P24
- The Special Provision for Linseed Oil Protective Coating approved 4-14-64
- The Special Provision for Preformed Joint Seal approved 2-11-64
- The Special Provision for High Strength Aluminum Bridge Railing Post approved 10-2-64

- ① Approximate weight of Structural Steel (S.B.) 4399 lbs
- ② Approximate weight of Structural Steel (N.B.) 3962 lbs
- ③ Total approximate weight of Structural Steel 8361 lbs

BILL OF INCIDENTAL MATERIAL (SOUTHBOUND BRIDGE)				
ITEM	NO. OF PIECES	SIZE AND DESCRIPTION	LOCATION	
Preformed Joint Seal	1	15'-0" X 15'-16" X 70'-9"	Between Spans 1 and 2	
"	1	" 67'-0"	Between Spans 2 and 3	
Prem. Cork Exp. Jt. Material	1	1" X 6'-4" X 61'-8"	Between Spans 1 and 2	
"	1	1" X 6'-3" X 57'-11"	Between Spans 2 and 3	
"	4	1" X 2'-8 1/2" X 1'-5"	Curbs Between Spans	
"	1	3'-0" X 4" X 61'-11"	Top of Pier 1	
"	1	1'-6" X 1/4" X 58'-1"	Top of Pier 2	

BILL OF INCIDENTAL MATERIAL (NORTHBOUND BRIDGE)				
ITEM	NO. OF PIECES	SIZE AND DESCRIPTION	LOCATION	
Preformed Joint Seal	1	15'-8" X 15'-16" X 63'-2"	Between Spans 1 and 2	
"	1	" 62'-0"	Between Spans 2 and 3	
Prem. Cork Exp. Jt. Material	1	1" X 6'-1" X 54'-1"	Between Spans 1 and 2	
"	1	1" X 6'-1" X 52'-11"	Between Spans 2 and 3	
"	4	1" X 2'-8 1/2" X 1'-5"	Curbs Between Spans	
"	1	3'-0" X 4" X 54'-4"	Top of Pier 1	
"	1	1'-6" X 1/4" X 53'-0"	Top of Pier 2	

I-71 OVER MOCKINGBIRD VALLEY ROAD SHEET 1 OF 1

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
JEFFERSON
LOUISVILLE-COVINGTON

431 + 54 30 I-71 ROAD

STATION 50 + 00 Mockingbird Valley Rd PROJECT NO.

BRIDGE NUMBER 16155

KENTUCKY DEPARTMENT OF HIGHWAYS

I-71 TWIN BRIDGES OVER MOCKINGBIRD VALLEY RD.

LOUISVILLE-COVINGTON ROAD

JEFFERSON COUNTY

REFERENCES AND ESTIMATE OF QUANTITIES

ITEM	SHEET NO	CLASS "A" CONCRETE	REINFORCEMENT	STRUCTURAL STEEL	EXCAVATION COMMON	HIGH STRENGTH HANDRAIL	BRONZE PLATES	PROTECTIVE COATING	SLOPE PROTECTION AGGREGATE	END BENT BACK FILL	CONCRETE PILING: LINEAR FEET (SEE GENERAL NOTE FOR DESCRIPTION OF ALTERNATE PILES)												ELECTRICAL CONDUIT LUMP SUM		
		CU YDS	LBS	LUMP SUM	CU YDS	LIN. FT.	LBS	SQ. YDS	SQ. YDS	CU. YDS.	ALTERNATE A		ALTERNATE B		ALTERNATE C		ALTERNATE D		ALTERNATE E		ALTERNATE F				
											FURNISH	DRIVE	FURNISH	DRIVE	FURNISH	DRIVE	FURNISH	DRIVE	FURNISH	DRIVE	FURNISH	DRIVE			
TITLE SHEET	1																								
PLAN SHEET	2																								
LAYOUT SHEET	3																								
GENERAL NOTE	4																								
SUBSTRUCTURE QUANTITIES (SOUTHBOUND)																									
END BENT NO. 1	5	56.1	3103		135					77	1176	1176	1176	1176	1176	1176	1176	1176	1176	1176	1176	1176	1176	1176	1176
PIER NO. 1	6	93.7	16004		145		720				1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400
PIER NO. 2	7	92.4	15768		170		324				1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400
END BENT NO. 2	8	47.5	2649		115					66	952	952	952	952	952	952	952	952	952	952	952	952	952	952	952
PILE RECORD	13-14																								
FOUNDINGS	15																								
ALTERNATE PILES	See General Note																								
SUBSTRUCTURE TOTAL (S.B.)		289.7	37524		565		1044		1080	143	4928	4928	4928	4928	4928	4928	4928	4928	4928	4928	4928	4928	4928	4928	4928
SUPERSTRUCTURE QUANTITIES (SOUTHBOUND)																									
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SPAN NO. 3	16-17-18-19-20-21-22	229.1	48845				360																		
CONSTRUCTION ELEVATIONS		32-33-34																							
High Strength Handrail		H115 or H150				318																			
Electrical Layout		30																							
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END BENT NO. 1	9	49.2	2768		120					68	952	952	952	952	952	952	952	952	952	952	952	952	952	952	952
PIER NO. 1	10	91.1	14613		140		648				1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400
PIER NO. 2	11	90.8	14613		170		324				1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400
END BENT NO. 2	12	45.6	2558		110					63	952	952	952	952	952	952	952	952	952	952	952	952	952	952	952
PILE RECORD	13-14																								
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TOTAL FOR BOTH BRIDGES		1953.0	365490	③ One	1105	635	4256	2360	2075	274	9632	9632	9632	9632	9632	9632	9632	9632	9632	9632	9632	9632	9632	9632	9632

- ① Total approximate quantities
- | | |
|---|--------------|
| 2" Galv. Rigid Conduit | 415 Lin. Ft. |
| 1" Galv. Rigid Conduit | 11 Lin. Ft. |
| 3/4" Galv. Rigid Conduit (Drip Drains) | 2 Lin. Ft. |
| 16" X 6" X 6" Junction Boxes (Oz Electrical type YUor approved equal) | 3 Each |
| Expansion Fittings (Crouse-Hinds XJ641 with GC 100 grounding straps) | 4 Each |
| 2" Galv. Conduit Caps | 4 Each |
| 1" Galv. Conduit Caps | 2 Each |
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* Linear feet of one of Alternate types of Piles A, B, C or E shall be used in the End Bents and be paid for at the unit prices bid for furnishing and driving respectively for Alternates D or F.

REFERENCES

- G353 c G354 b. AE1, AE 2, SF2a H115, H150, P2, P20, P21, P22, P23, P24
- The Special Provision for Linseed Oil Protective Coating approved 4-14-64
- The Special Provision for Preformed Joint Seal approved 2-11-64
- The Special Provision for High Strength Aluminum Bridge Railing Post approved 10-2-64

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- ② Approximate weight of Structural Steel (N.B.) 3962 lbs
- ③ Total approximate weight of Structural Steel 8361 lbs

BILL OF INCIDENTAL MATERIAL (SOUTHBOUND BRIDGE)				LOCATION
ITEM	NO. OF PIECES	SIZE AND DESCRIPTION		
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"	1	" 67' 0"		Between Spans 2 and 3
Prem. Cork Exp. Jt. Material	1	1" X 6' 4" X 61' 8"		Between Spans 1 and 2
"	1	1" X 6' 3" X 57' 11"		Between Spans 2 and 3
"	4	1" X 2' 8 1/2" X 1' 5"		Curbs Between Spans
"	1	3' 0" X 4' X 61' 11"		Top of Pier 1
"	1	1' 6" X 1/4" X 58' 1"		Top of Pier 2

BILL OF INCIDENTAL MATERIAL (NORTHBOUND BRIDGE)				LOCATION
ITEM	NO. OF PIECES	SIZE AND DESCRIPTION		
Preformed Joint Seal	1	15' 8" X 15' 16" X 63' 2"		Between Spans 1 and 2
"	1	" 62' 0"		Between Spans 2 and 3
Prem. Cork Exp. Jt. Material	1	1" X 6' 1" X 54' 1"		Between Spans 1 and 2
"	1	1" X 6' 1" X 52' 11"		Between Spans 2 and 3
"	4	1" X 2' 8 1/2" X 1' 5"		Curbs Between Spans
"	1	3' 0" X 4' X 54' 4"		Top of Pier 1
"	1	1' 6" X 1/4" X 53' 0"		Top of Pier 2

I-71 OVER MOCKINGBIRD VALLEY ROAD SHEET 1 OF 1

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
JEFFERSON
LOUISVILLE-COVINGTON
431 + 54 30 I-71 ROAD
STATION 50 + 00 Mockingbird Valley Rd PROJECT NO.
BRIDGE NUMBER 16155

KENTUCKY DEPARTMENT OF HIGHWAYS
I-71 TWIN BRIDGES OVER MOCKINGBIRD VALLEY RD.
LOUISVILLE-COVINGTON ROAD
JEFFERSON COUNTY

FED. ROAD DIST. STATE FED. AID FISCAL YEAR SHEET NO. TOTAL SHEETS
7 KY. 16155 1

REFERENCES AND ESTIMATE OF QUANTITIES

ITEM	SHEET NO	CLASS "A" CONCRETE	REINFORCE- MENT	STRUCTURAL STEEL	EXCAVATION COMMON	HIGH STRENGTH HANDRAIL	BRONZE PLATES	PROTECTIVE COATING	SLOPE PROTECTION CRUSHED AGGREGATE	END BENT BACK FILL	CONCRETE PILING: LINEAR FEET (SEE GENERAL NOTE FOR DESCRIPTION OF ALTERNATE PILES)												ELECTRICAL CONDUIT LUMP SUM	
		CU YDS	LBS	LUMP SUM	CU YDS	LIN FT	LBS	SQ YDS	SQ YDS	CU YDS	ALTERNATE A		ALTERNATE B		ALTERNATE C		ALTERNATE D		ALTERNATE E		ALTERNATE F			
											FURNISH	DRIVE	FURNISH	DRIVE	FURNISH	DRIVE	FURNISH	DRIVE	FURNISH	DRIVE	FURNISH	DRIVE		
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PIER NO. 1	6	93.7	16004		145		324				1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400		
PIER NO. 2	7	92.4	15768		170						1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400		
END BENT NO. 2	8	47.5	2649		115				66		952	952	952	952	952	952	* 952	* 952	952	952	* 952	* 952		
PILE RECORD	13-14																							
SOUNDINGS	15																							
ALTERNATE PILES	See General Note																							
SUBSTRUCTURE TOTAL (S.B.)																								
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④ Total approximate quantities

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1" Galv. Rigid Conduit	11 Lin. Ft.
1/4" Galv. Rigid Conduit (Drip Drains)	2 Lin. Ft.
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BILL OF INCIDENTAL MATERIAL (SOUTHBOUND BRIDGE)

ITEM	NO. OF PIECES	SIZE AND DESCRIPTION	LOCATION
Preformed Joint Seal	1	1 1/2" X 1 1/2" X 16' X 70'-9"	Between Spans 1 and 2
"	1	" " " 67'-0"	Between Spans 2 and 3
Prem. Cork Exp. Jt. Material	1	1" X 6'-4" X 61'-8"	Between Spans 1 and 2
"	1	1" X 6'-3" X 57'-11"	Between Spans 2 and 3
"	4	1" X 2'-8 1/2" X 1'-5"	Curbs Between Spans
"	1	3'-0" X 4" X 61'-11"	Top of Pier 1
"	1	1'-6" X 1/4" X 58'-1"	Top of Pier 2

BILL OF INCIDENTAL MATERIAL (NORTHBOUND BRIDGE)

ITEM	NO. OF PIECES	SIZE AND DESCRIPTION	LOCATION
Preformed Joint Seal	1	1 1/2" X 1 1/2" X 63'-2"	Between Spans 1 and 2
"	1	" " " 62'-0"	Between Spans 2 and 3
Prem. Cork Exp. Jt. Material	1	1" X 6'-1" X 54'-1"	Between Spans 1 and 2
"	1	1" X 6'-1" X 52'-11"	Between Spans 2 and 3
"	4	1" X 2'-8 1/2" X 1'-5"	Curbs Between Spans
"	1	3'-0" X 4" X 54'-4"	Top of Pier 1
"	1	1'-6" X 1/4" X 53'-0"	Top of Pier 2

I-71 OVER MOCKINGBIRD VALLEY ROAD SHEET 1 OF 2

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS

FRANKFORT
COUNTY OF

JEFFERSON
LOUISVILLE-COVINGTON

431 - 54.30 I-71 ROAD

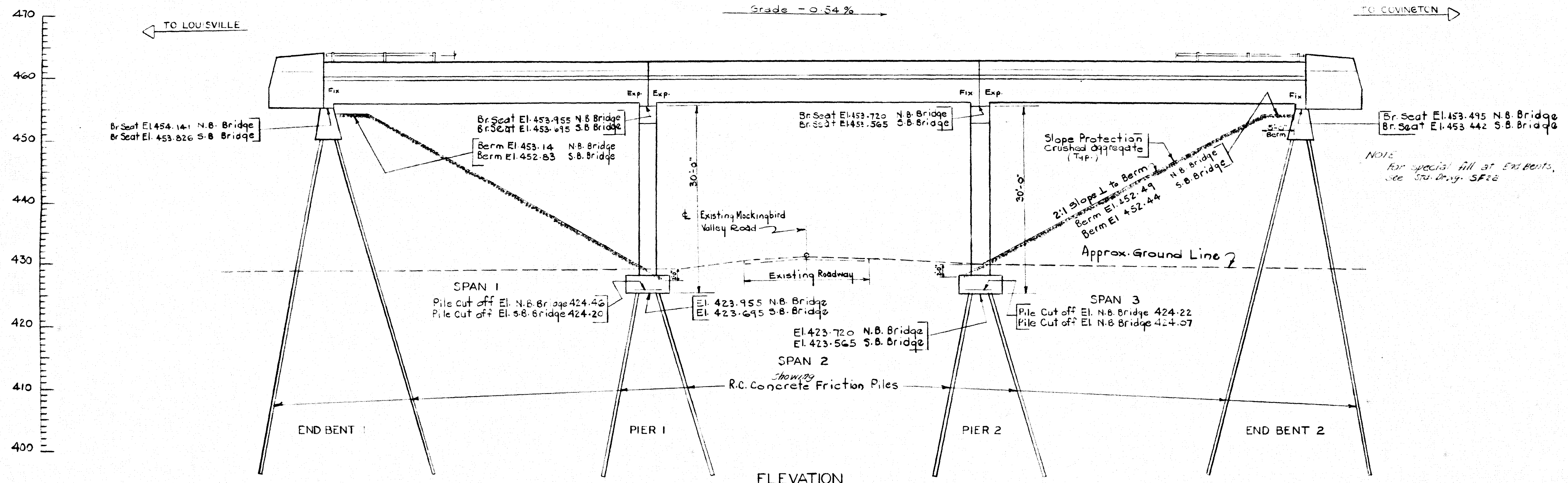
STATION 50 + 00 Mockingbird Valley Rd. PROJECT NO.

BRIDGE
NUMBER

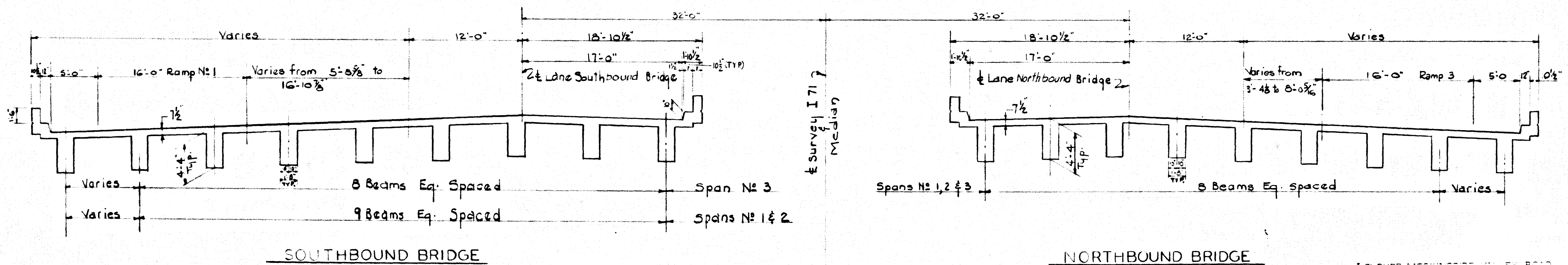
16155
NO.

[illegible]

2" x 10" Mockingbird Valley road Sheet 2
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
JEFFERSON
LOUISVILLE-COVINGTON
 431+54.30 I-71: ROAD
STATION 50+00 Mockingbird Valley Rd. PROJECT NO.



ELEVATION
 TWIN 3~50'-0" R.C.D.G. SPANS @ 4°-08' SKEW LEFT
 VARYING ROADWAY ~ 2) 1'-0" SAFETY CURBS, VARYING SHOULDERS, 2:1 FILL SLOPES,
 HS20-44 OR MILITARY ALTERNATE



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

GENERAL NOTE

SPECIFICATIONS: Kentucky Department of Highways Standard Specifications. Current Edition with Supplements. shall apply to this project.

DESIGN LOAD: Bridge designed for HS 20--44 loading as specified in 1961 AASHTO Specifications or alternate loading of two 24 kip axles spaced 4 feet apart, whichever produces the greater stress.

DESIGN STRESSES: For reinforced concrete. $f_s = 20,000$ psi $f_c = 1,200$ psi $f'_c = 3,000$ psi $u = 300$ psi for $\bar{u} = 300$ psi for embedment $n = 10$

FOUNDATION PRESSURE: Axial computed load per pile is 63.9 kips. Horizontal computed load per pile is 7.6 kips. This is for Group 1 loading.

CONCRETE: Class A Concrete to be used throughout except in piles and High Strength Concrete Handrail. Class D Concrete to be used in alternate piles A-B-C-D-F and High Strength Concrete Handrail. Class D Modified Concrete to be used in alternate piles E.

REINFORCEMENT: Intermediate or hard grade reinforcement shall be used in accordance with ASTM A15-S8T for billet steel, or A16-S9T for rail steel conforming to bending requirements of AASHTO Specifications H42. Dimensions shown from face of concrete to bars are clear distances. Spacing of bars is from center to center of bars.

BEVELED EDGES: All exposed edges shall be beveled 7/8" unless otherwise shown.

PREFORMED CORK EXPANSION JOINT MATERIAL, PREFORMED JOINT SEALER AND TAR PAPER: The cost of these items is to be included in the unit price bid for Class A Concrete.

PLACING FILLS: See Standard Drawing Number SF2.

PILING: Piling shall be driven to refusal or to sustain a load of 50 Tons per pile. Test piles shall be driven where designated on the plans to determine the length required. All test piles shall be accurately located so that they may be used in the finished structure.

DRIVING PILES: Cored pilot holes through the end bent embankments will be required for starting piles. The cost of this work is to be included in the unit price bid per linear foot for driving piles.

ALTERNATE TYPES OF PILES: The Contractor shall use one of the following types of piles throughout, except that alternates D and F will not be permitted for end bents.
Alternate A - 14" Reinforced Concrete precast pile, Standard Drawing No. P2.
Alternate B - 14" Cast in place Concrete pipe pile Standard Drawing No. P20.
Alternate C - 14" Cast in place Concrete pile, fluted steel shell, Standard Drawing No. P21.
Alternate D - 14" Cast in place pile, corrugated Steel step-taper shell, Standard Drawing No. P22.
Alternate E - 14" Prestressed Precast Concrete pile, Standard Drawing No. P23.
Alternate F - 14" Cast in place concrete pile, corrugated Steel step-uniform shell, Standard Drawing No. P24.

TAR PAPER: Tar paper is to be commercial grade tar paper or roofing felt approximately 1/16" thick.

END BENT BACKFILL: See Standard Drawing No. SF2a.

BRONZE PLATES: All plates to be ASTM B-22 Class "C" or B-100 Type 1 or 2 current specifications, with sliding surfaces finely polished. Machine Bolts to be furnished but are not included in the weight of plates given. Cost of Bolts to be included in the unit price bid for Plates.

ELECTRICAL CONDUIT: "Lump Sum Bid" for electrical conduit shall be full payment for all rigid galvanized conduit, junction boxes, expansion fittings, grounding straps, conduit caps, anchor bolts, nuts, washers, permanent concrete markers, and all labor and materials necessary to complete the installation in accordance with the plans and specifications.

PROTECTIVE COATING: The protective coating shall be according to "The Special Provision for Linseed Oil Protective Coating." Approved 4-16-64.

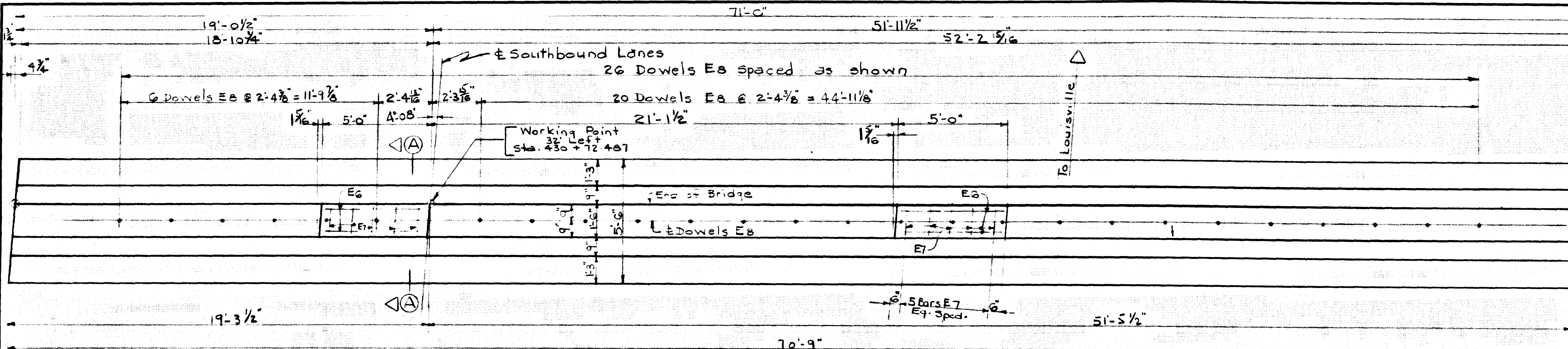
CRUSHED AGGREGATE SLOPE PROTECTION: Crushed aggregate slope protection shall consist of Size No. 1 or Size No. 2 crushed limestone or slag meeting the applicable requirements of the specifications. The crushed aggregate may be dumped in place. The placing shall be conducted in such a manner as will produce a uniform surface varying not more than 1/2 inch in 4 feet from a true plane. Hand placing will not be required other than is necessary to correct irregularities exceeding the specified tolerances. Unless otherwise shown on the plans, the crushed aggregate shall be placed to a depth of 12" measured perpendicular to the slopes, flush with the embankment slopes under the bridge, shall extend from the face of the abutments or end bents across the berm and down the slope to 2' below the toe of the slope, and shall extend laterally to 1 1/2' beyond the outer edges of the superstructure.

BILL OF INCIDENTAL MATERIAL: Quantities shown in the Bill of Incidental Material are approximate only and the Contractor is responsible for furnishing enough material to complete the work in accordance with the plans and specifications.

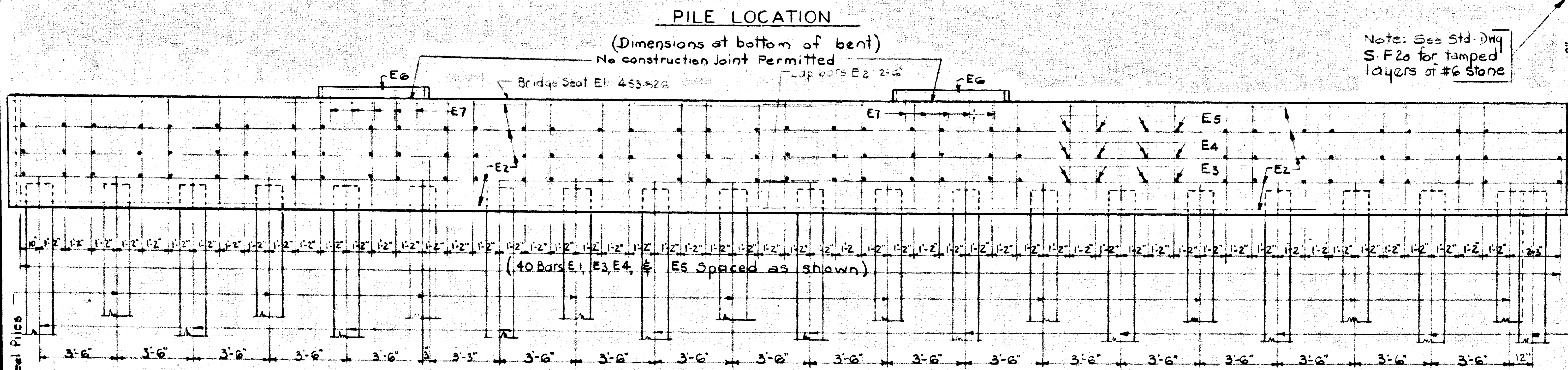
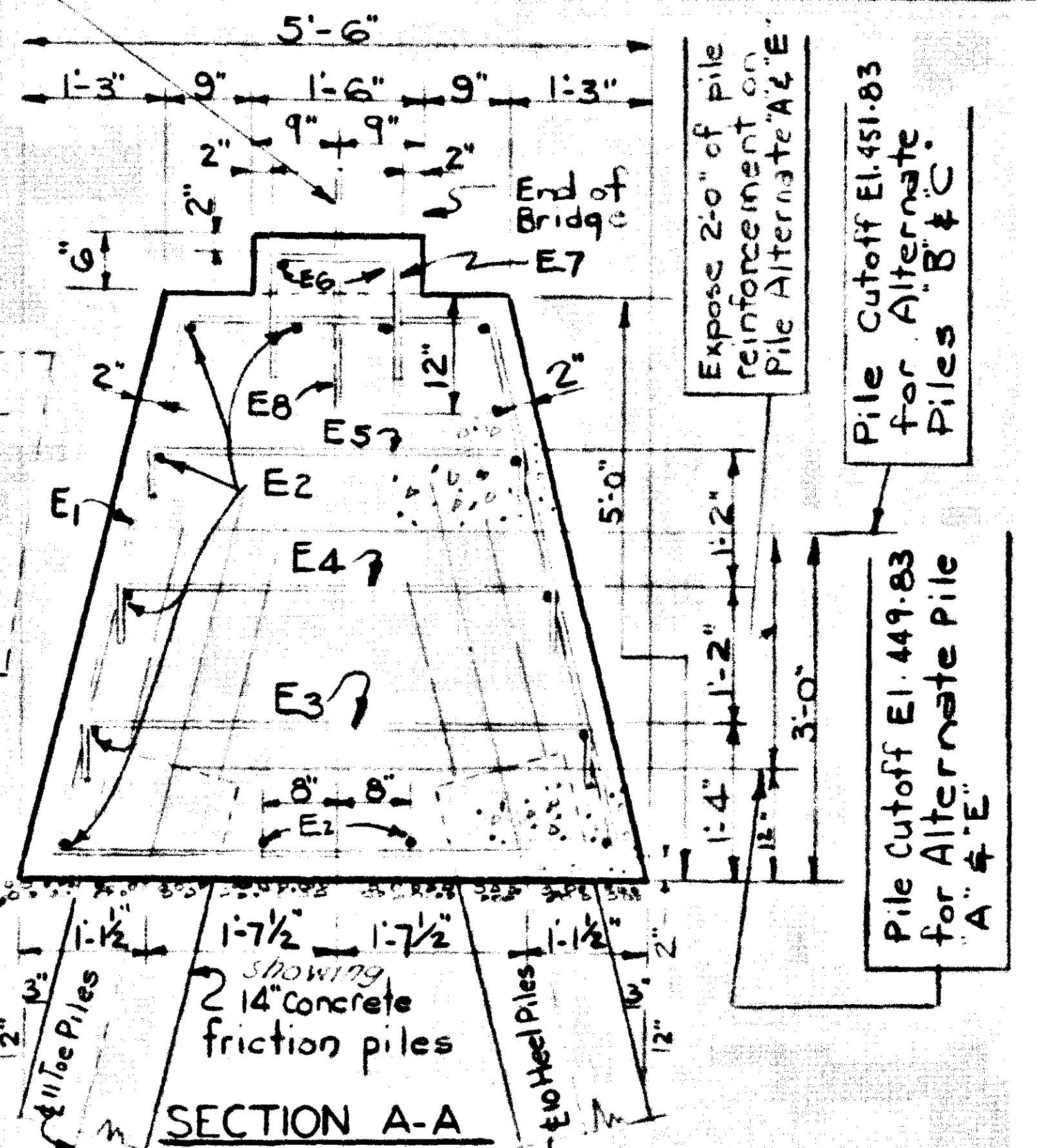
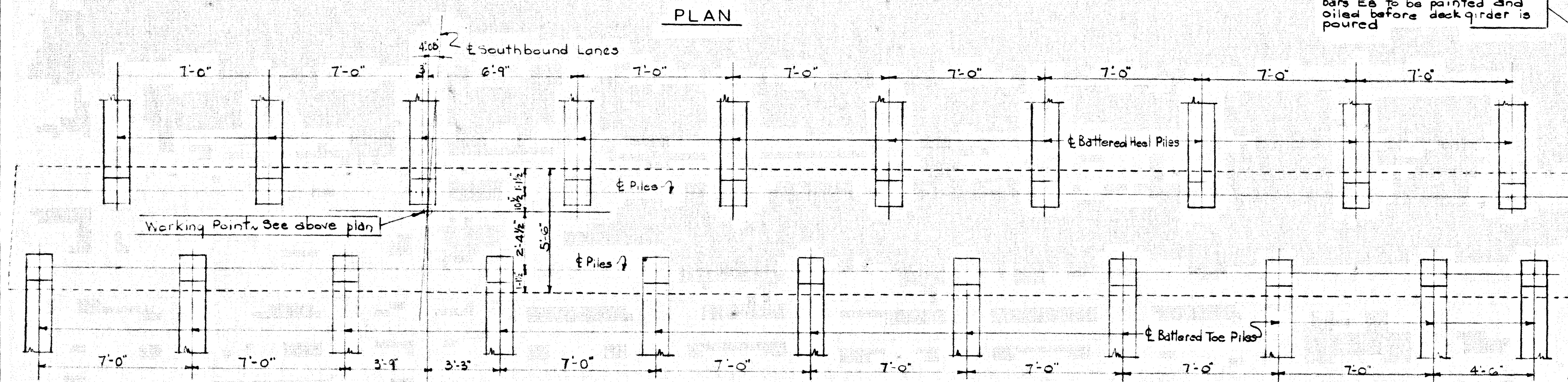
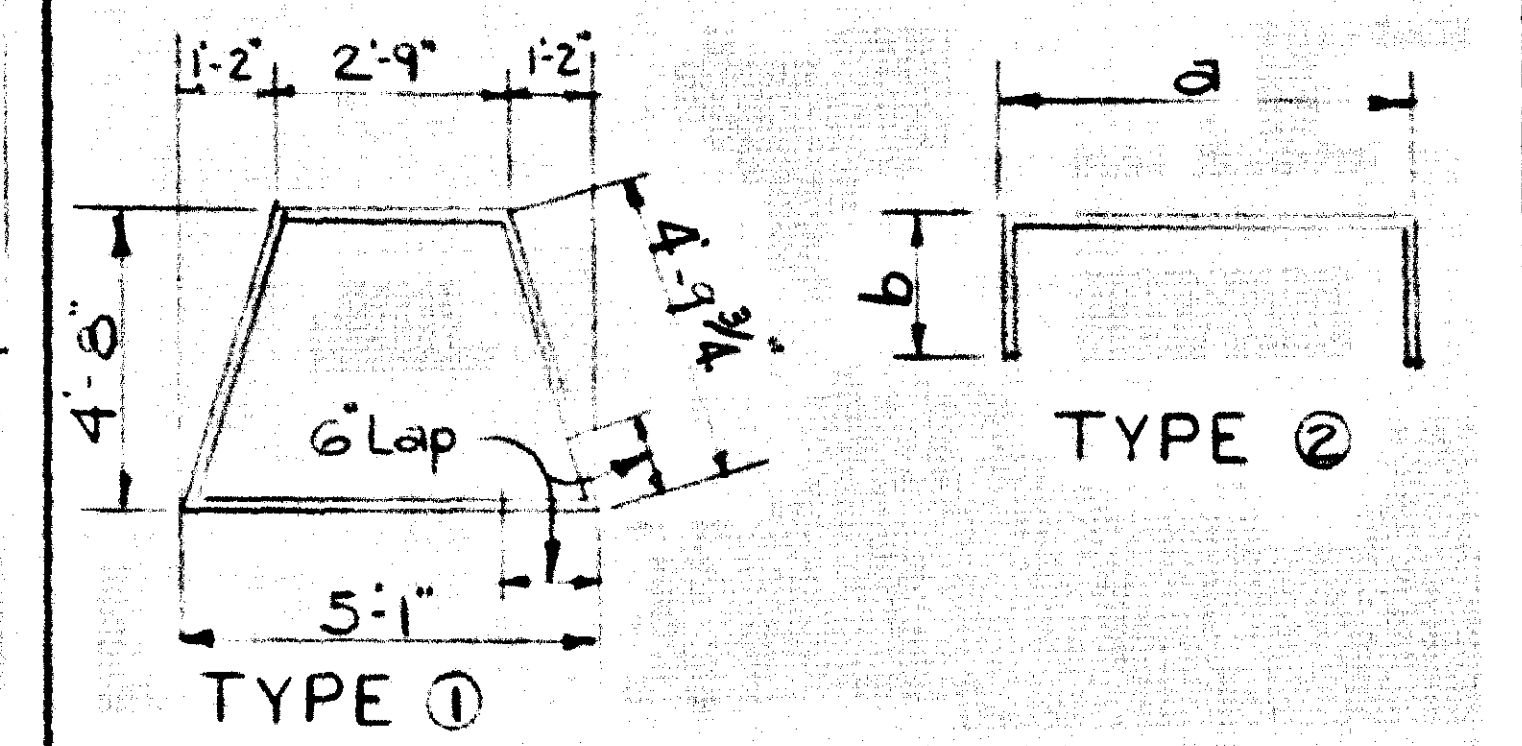
OPTIONAL TYPES OF HIGH-STRENGTH HANDRAIL: The Contractor shall provide throughout the project, at his option, either High-Strength Aluminum Handrail in accordance with Standard Drawing H115 or High-Strength Concrete Handrail in accordance with Standard Drawing H150.

GENERAL NOTE

COMMONWEALTH OF KENTUCKY		
DEPARTMENT OF HIGHWAYS		
FRANKFORT		
COUNTY OF		
JEFFERSON		
LOUISVILLE-COVINGTON		
ROAD		
STATION 131.00+00.00		
PROJECT NO.		
BRIDGE NUMBER		
NO. 6155		



BILL OF REINFORCEMENT									
Mark	Type	No	Length	Location	3	6	9	12	
E1	Cap	40	18	2	Cap Hoops				
E2	Str	20	6	36	7	Cap longitudinal			
E3	Cap	40	4	5	4	Cap Ties	4	6	0
E4	"	40	4	4	9	"	3	11	0
E5	"	40	4	4	2	"	3	4	0
E6	Str	4	4	4	9	Keys			
E7	Str	10	5	4	4	"	1	2	1
E8	Str	20	4	2	0	Dowels			



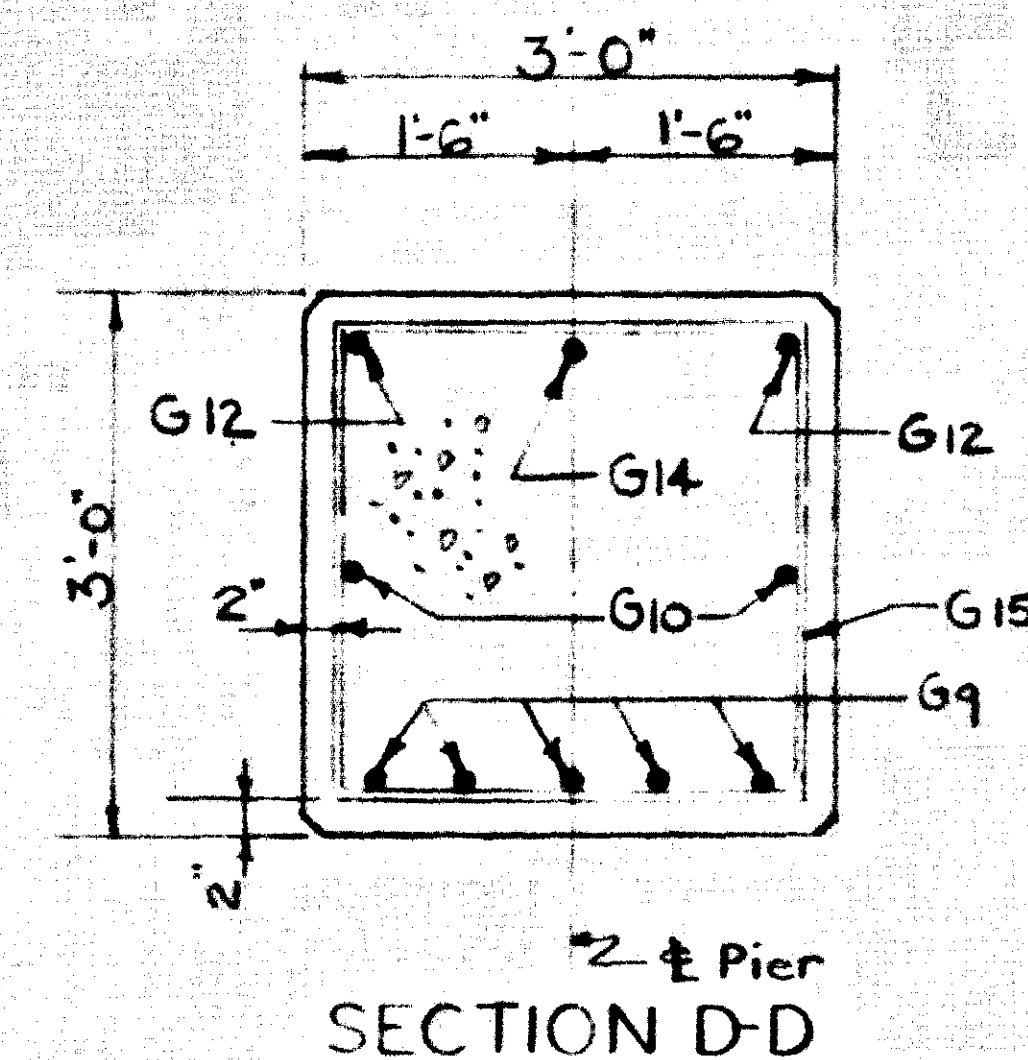
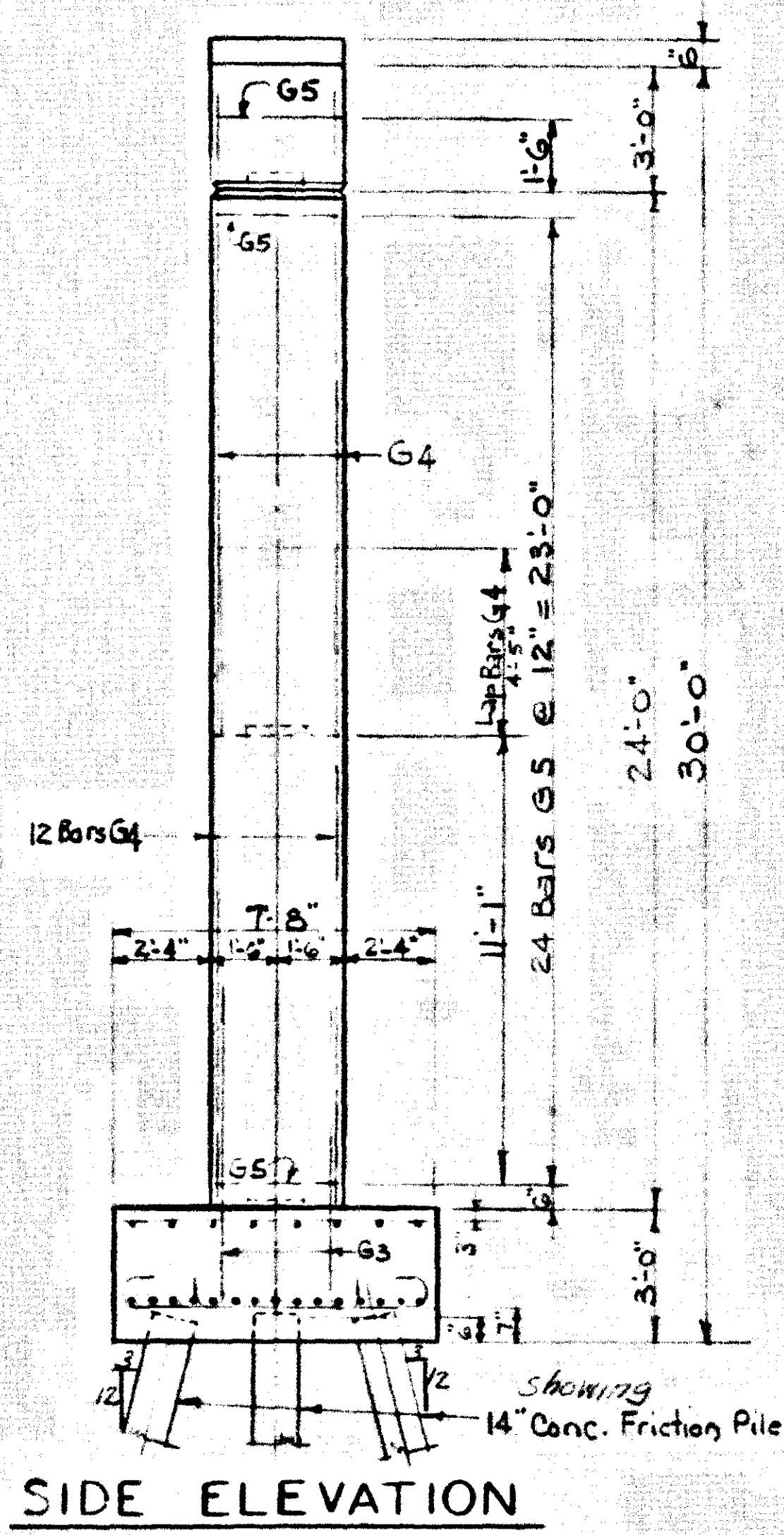
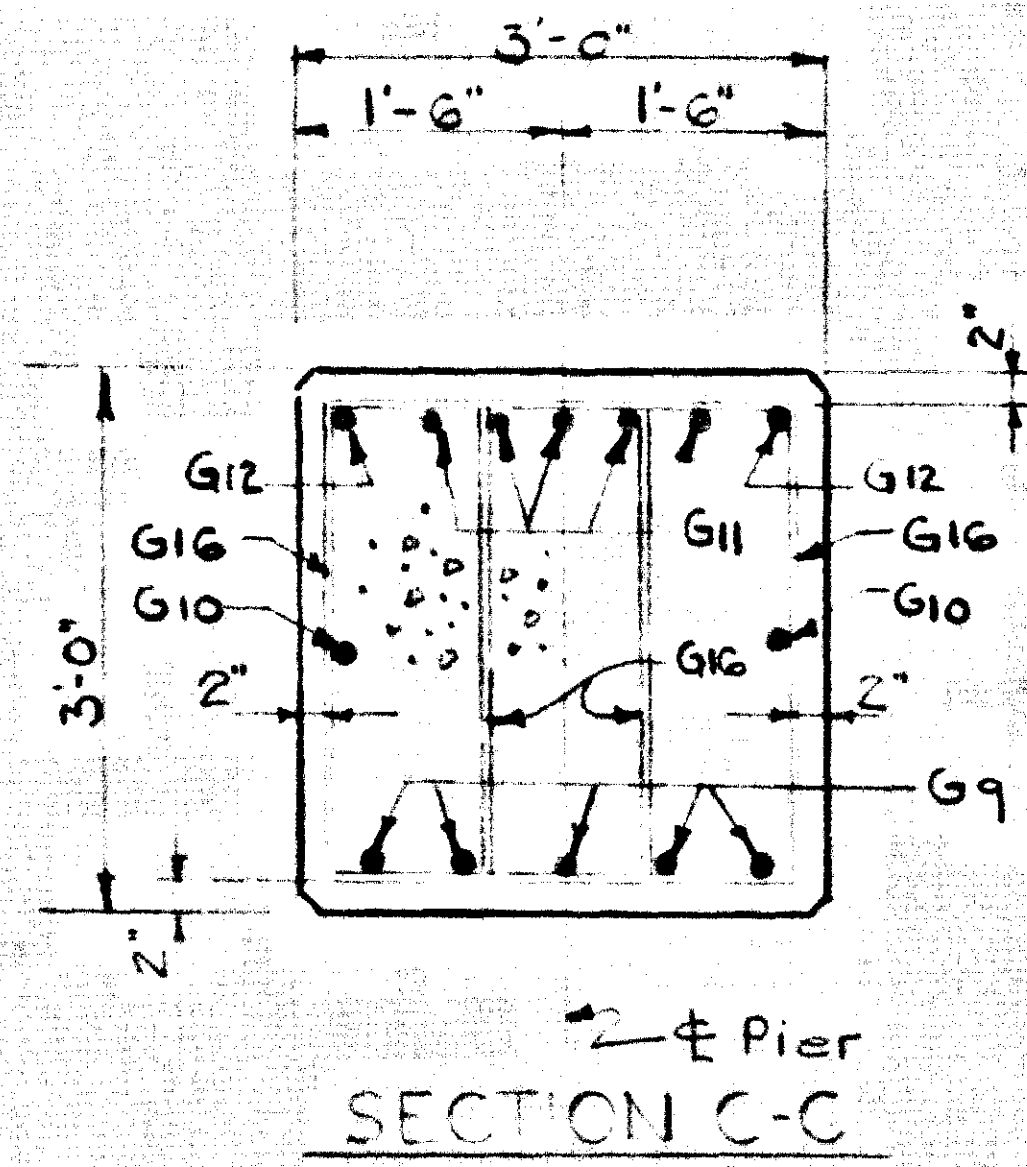
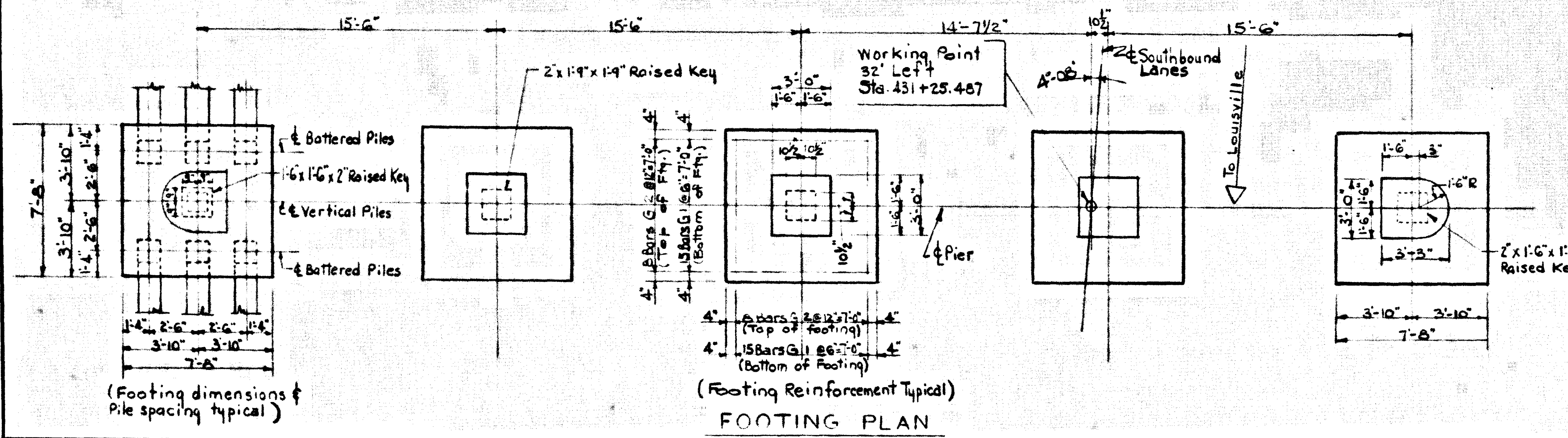
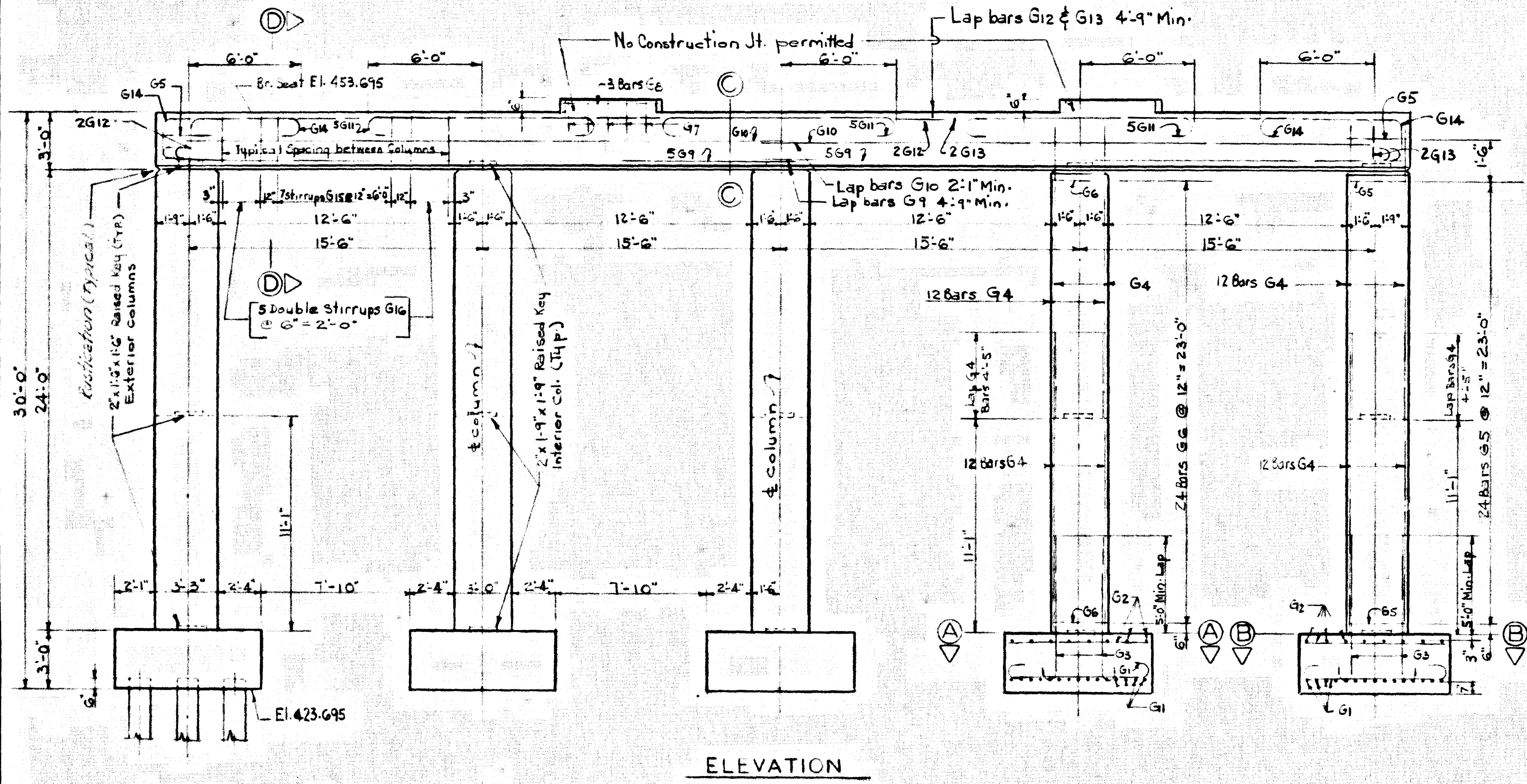
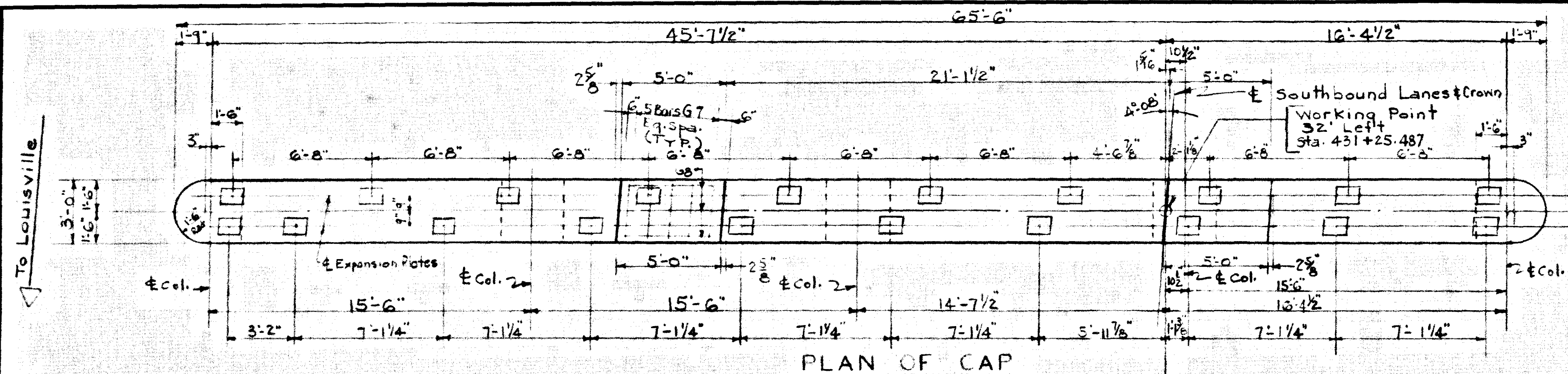
ESTIMATE OF QUANTITIES	
* CONCRETE CLASS "A"	56.1 CU YDS.
REINFORCEMENT	3103 LBS.
* Pile deductions not included	

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF

JEFFERSON
LOUISVILLE-COVINGTON

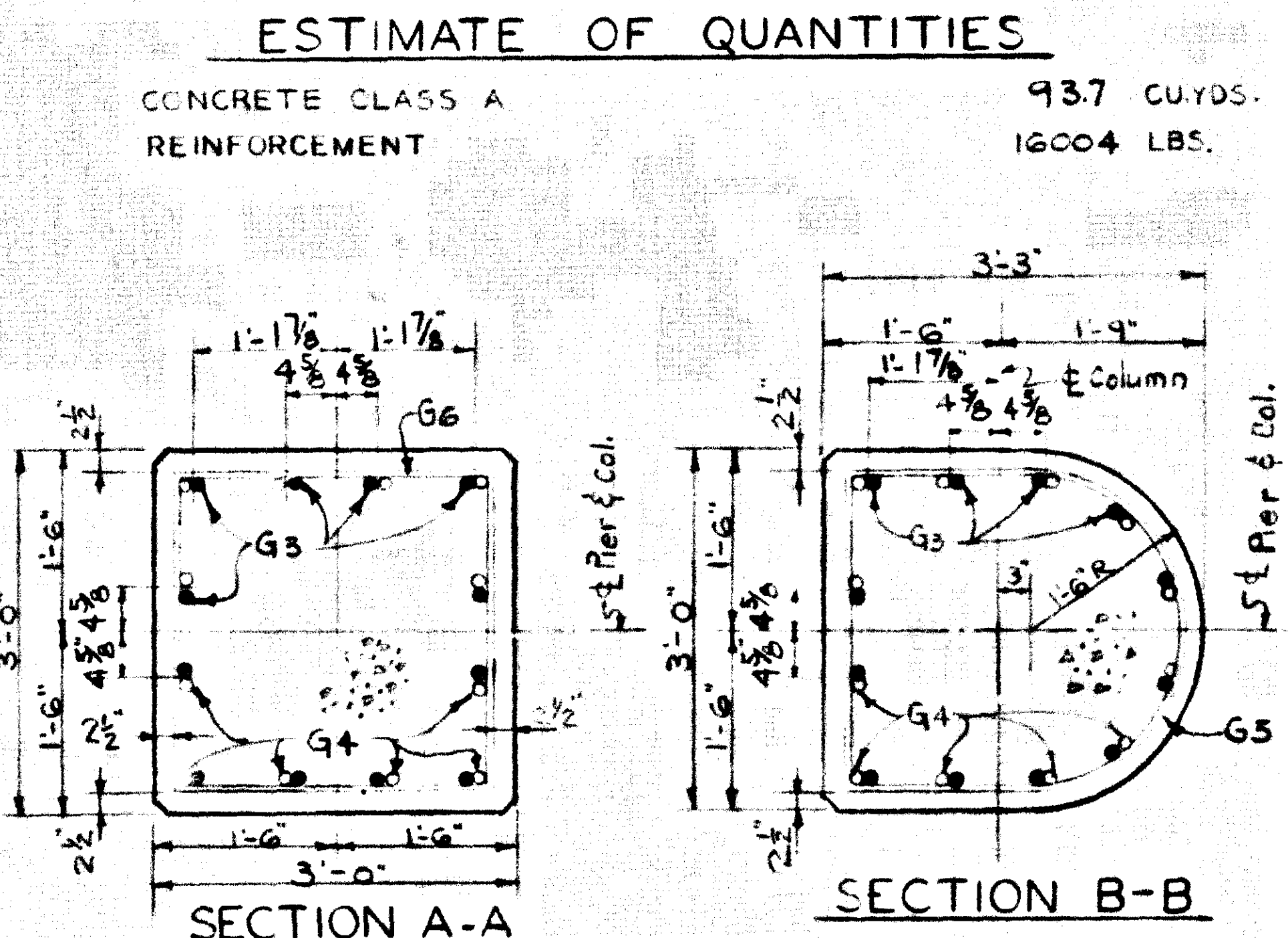
ROAD
STATION 50+54.30 1-71 =
BRIDGE NUMBER 50+54.30 Working Bridge Valley PROJECT NO.
NO. 16155

DESIGNED BY: *[Signature]* DATE: *[Date]*
 CHECKED BY: *[Signature]* DATE: *[Date]*
 TRACED BY: *[Signature]* DATE: *[Date]*



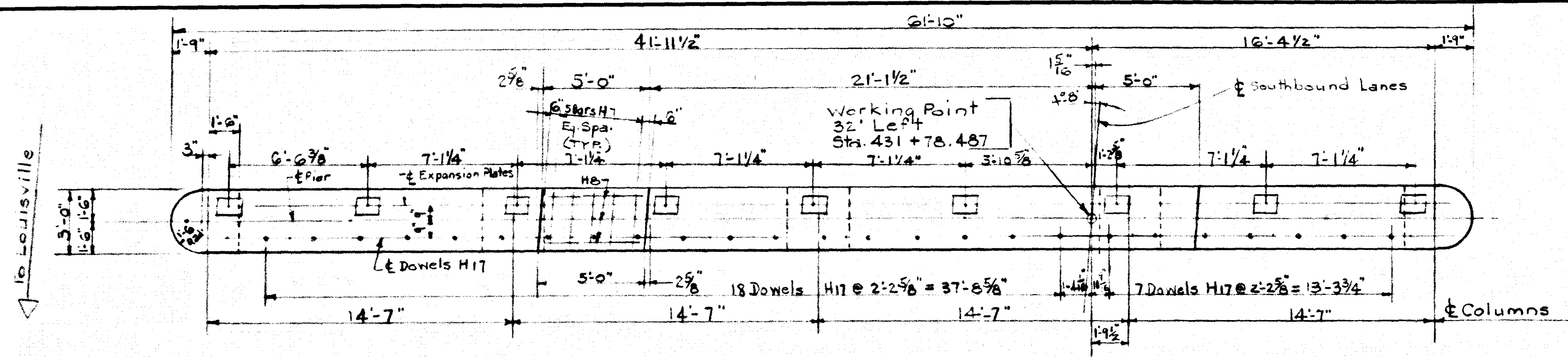
PIER 1
 SOUTHBOUND BRIDGE

BILL OF REINFORCEMENT									
Mark	Type	No.	Size	Length	Location	ft	in	ft	in
G1	Str	150	6	8	Bottom of footing	6	8	1	0
G2	Str	80	6	7	Top of footing	6	10	1	0
G3	Str	200	4	2	Cap - Dowels	2	7	1	0
G4	Str	120	4	10	Columns	2	7	1	0
G5	Str	50	4	10	Column Hoops	2	7	1	0
G6	Str	72	5	11	Column Hoops	2	7	1	0
G7	Str	10	4	4	Keys	2	7	1	0
G8	Str	10	4	4	Cap - Bottom Bars	34	3	2	0
G9	Str	10	4	4	Cap - Side	1	10	4	7
G10	Str	4	5	32	Top	10	10	2	0
G11	Str	15	11	14	Top	40	6	0	0
G12	Str	2	11	43	Top	25	0	0	0
G13	Str	2	11	28	Top	2	0	0	0
G14	Str	2	11	11	Top	2	0	0	0
G15	Str	2	11	11	Top	2	0	0	0
G16	Str	80	5	9	Double Stirrups	1	10	2	0

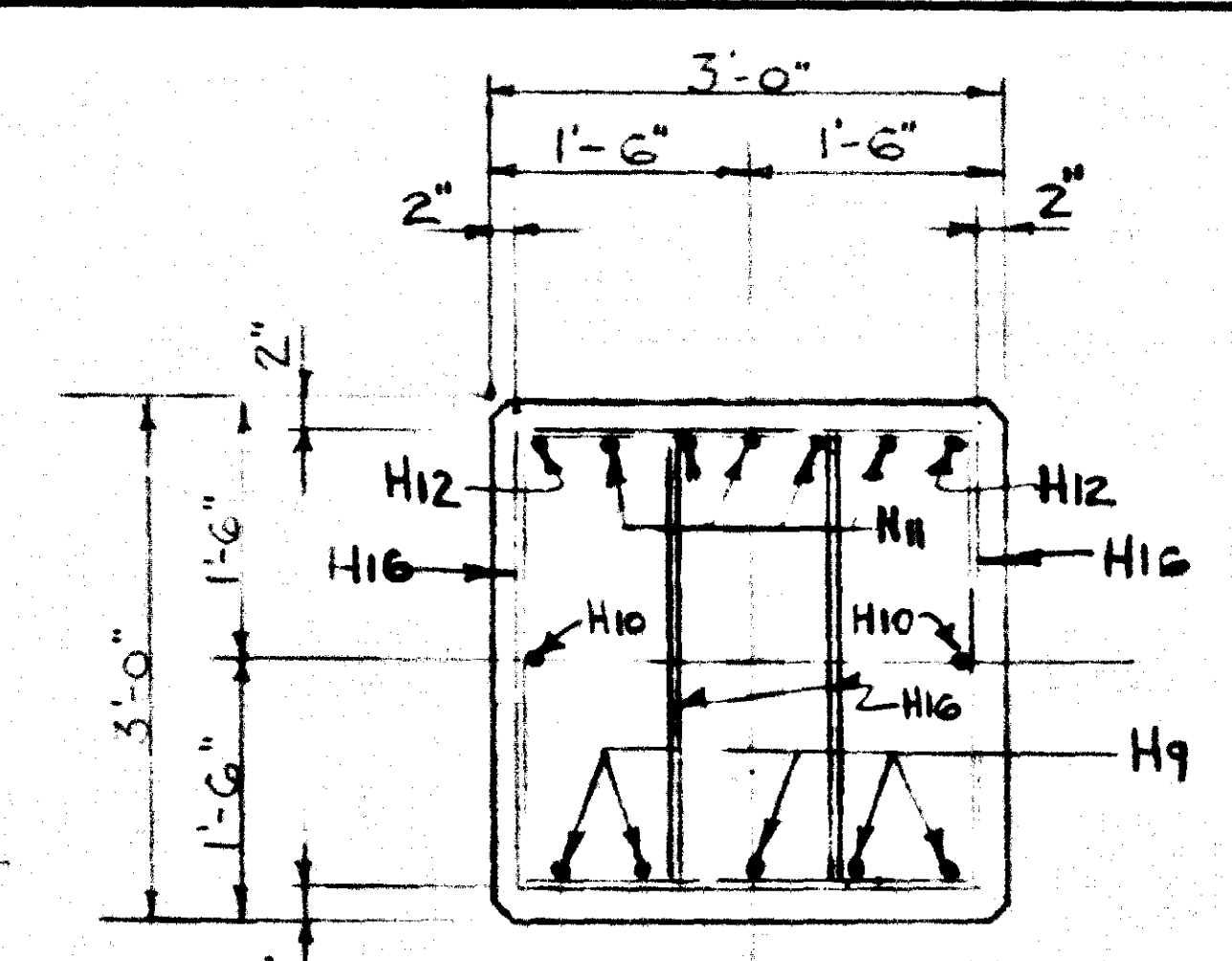


71 over Mockingbird Valley Rd Sheet 6
COMMONWEALTH OF KENTUCKY
 DEPARTMENT OF HIGHWAYS
 FRANKFORT
 COUNTY OF
JEFFERSON
 LOUISVILLE - COVINGTON
 431+54.30 1-71 = ROAD
 STATION 50+00 to Mockingbird Valley PROJECT NO.
 BRIDGE NUMBER NO. 16155

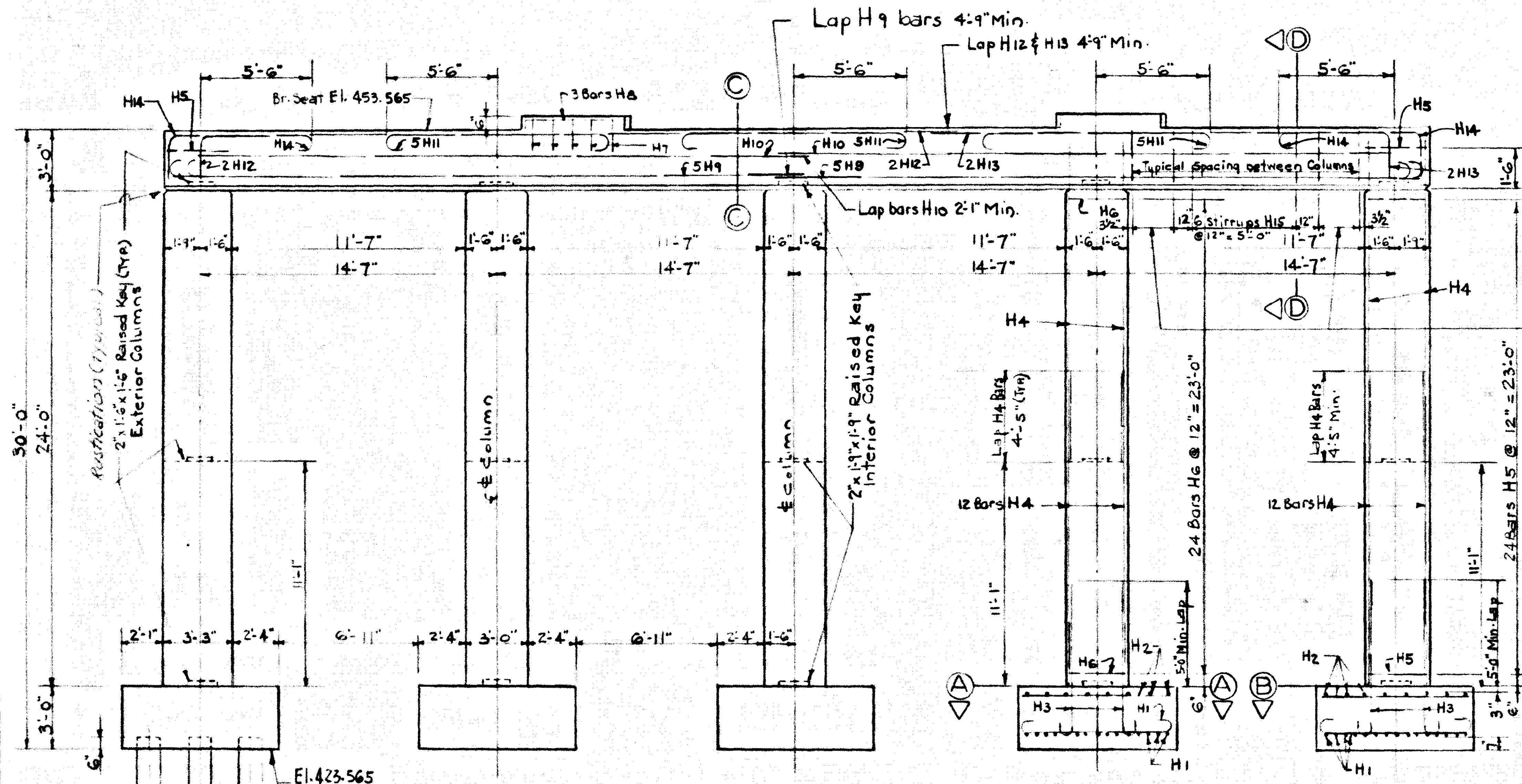
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 TRACED BY: *[Blank]* DATE: *[Blank]*



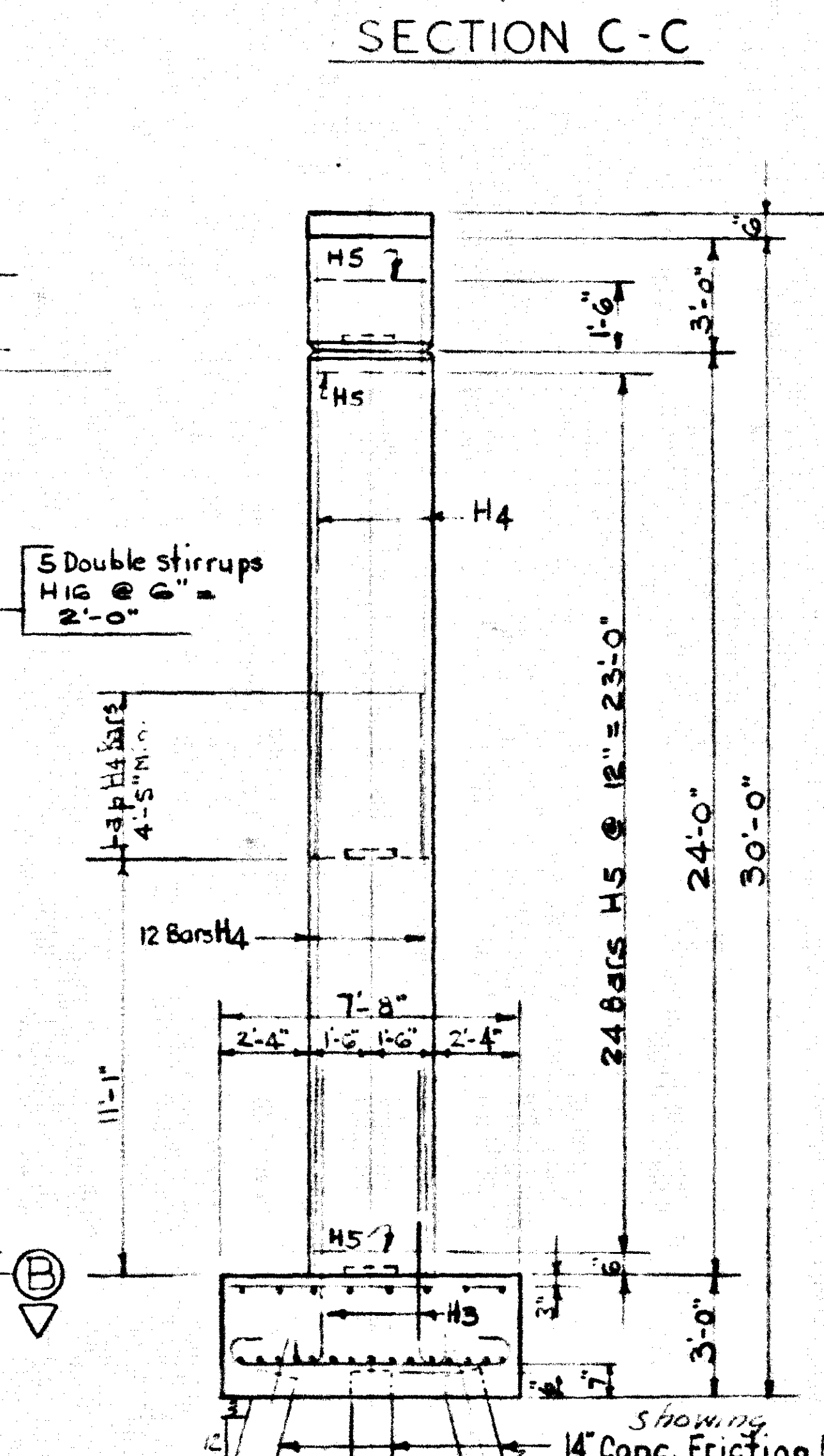
PLAN OF CAP



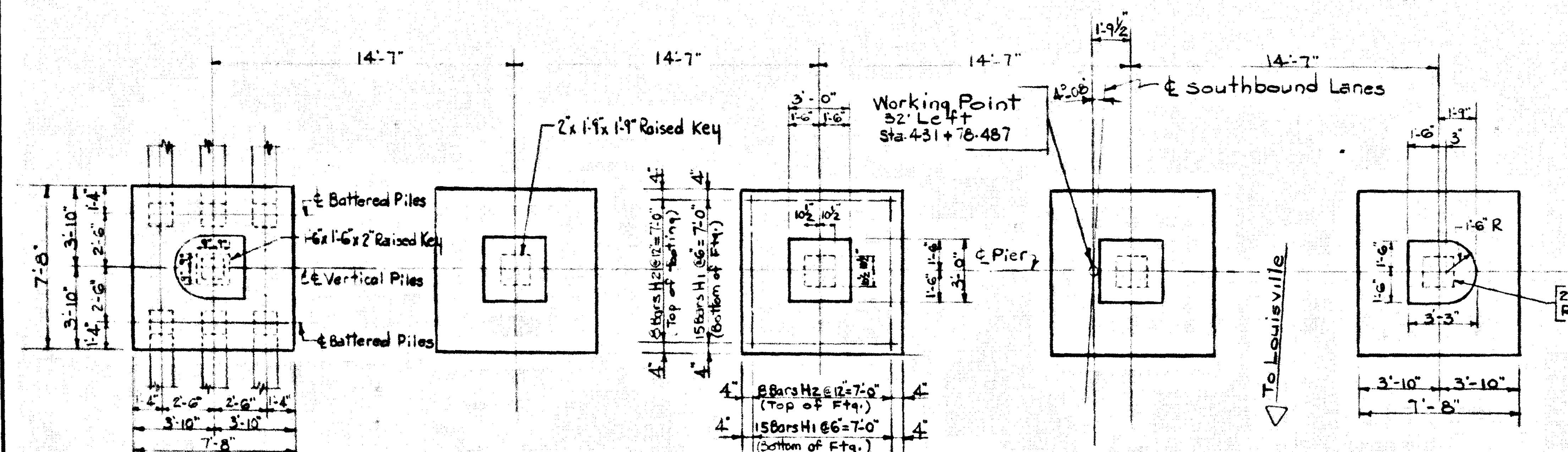
SECTION C-C



ELEVATION

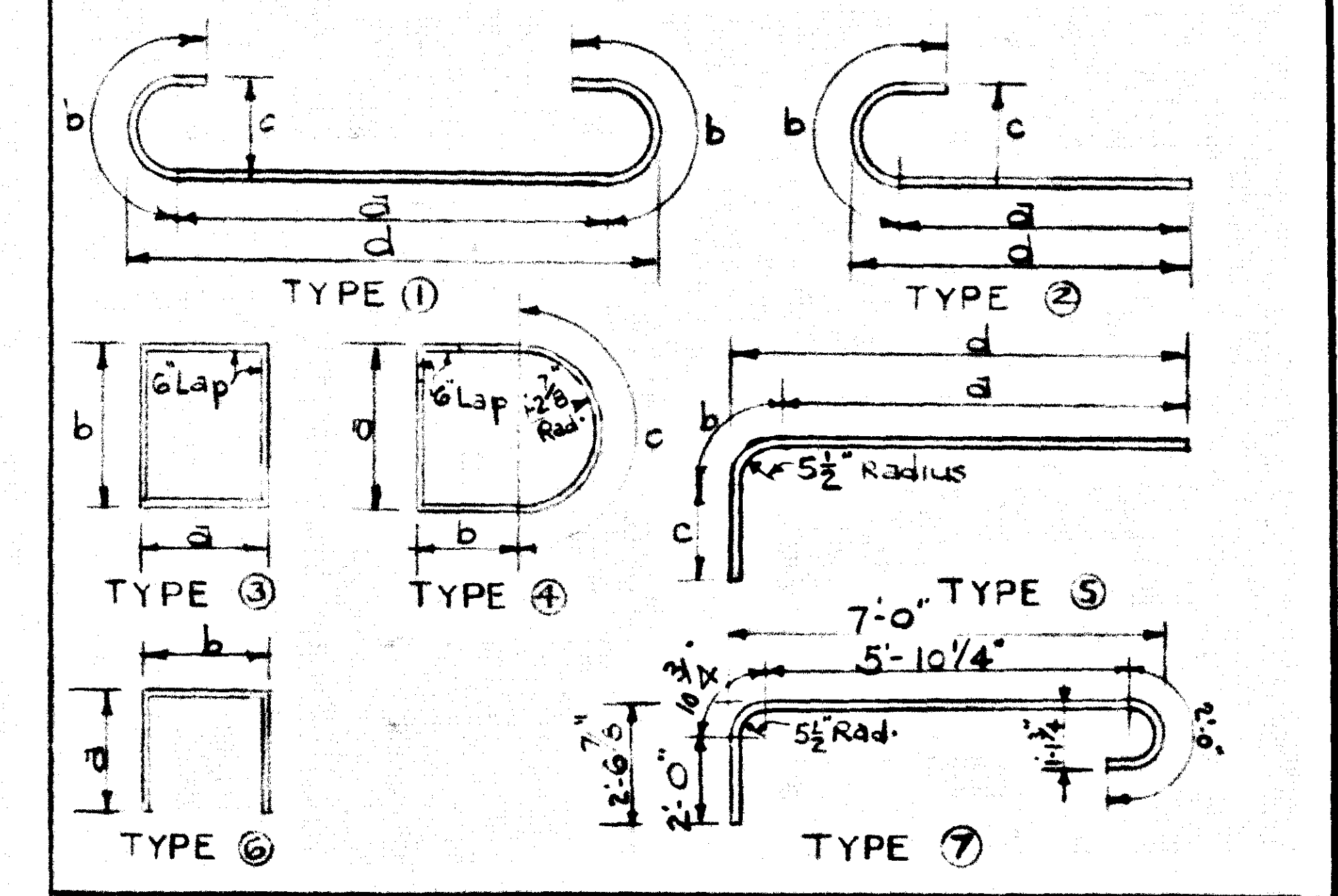


SIDE ELEVATION



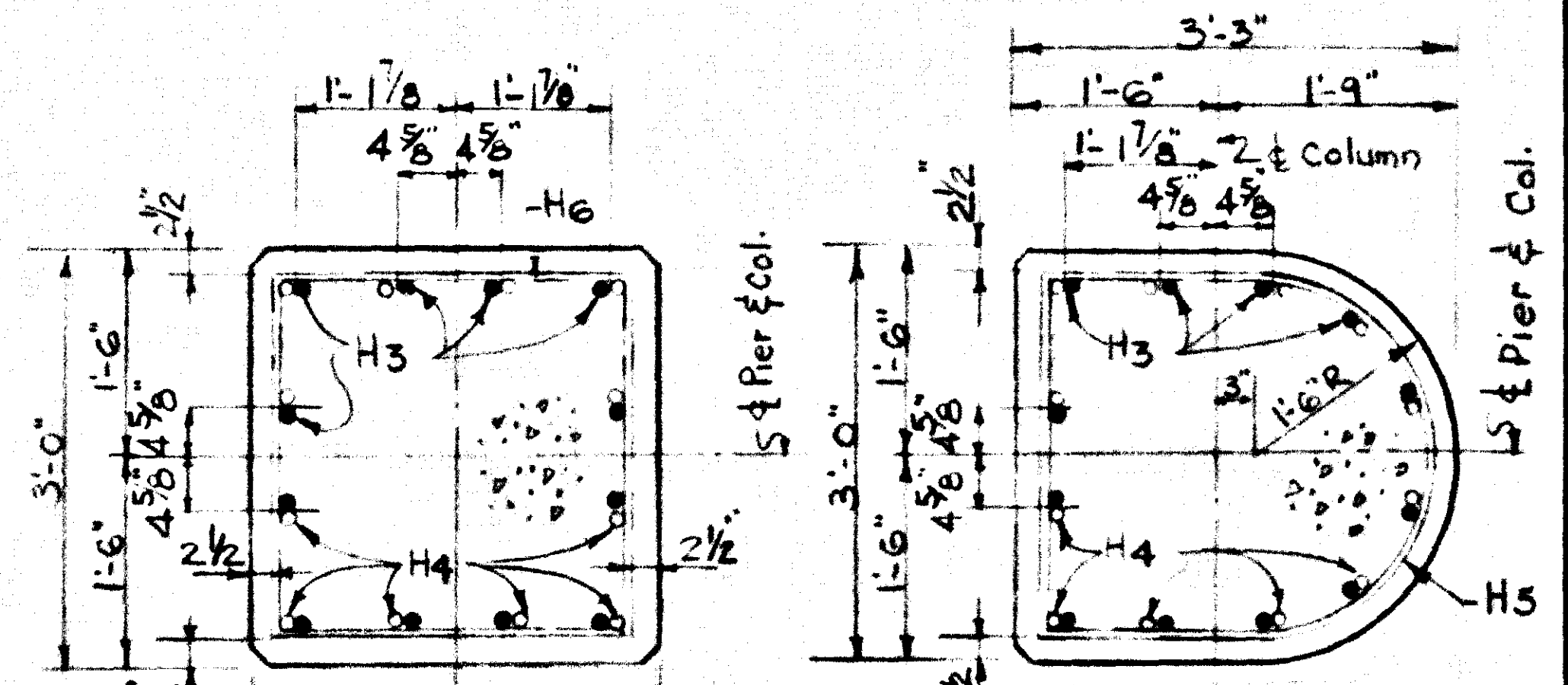
FOOTING PLAN

BILL OF REINFORCEMENT														
Item	Type	No.	Length	Location	ft	in	ft	in	ft	in	ft	in	ft	in
11	150	8	10	Bottom of footing	6	8	10	0	0	0	0	0	7	2
12	150	8	10	Top of footing	6	8	10	0	0	0	0	0	7	2
13	150	8	10	Top of footing	6	8	10	0	0	0	0	0	7	2
14	150	8	10	Top of footing	6	8	10	0	0	0	0	0	7	2
15	150	8	10	Top of footing	6	8	10	0	0	0	0	0	7	2
16	150	8	10	Top of footing	6	8	10	0	0	0	0	0	7	2
17	150	8	10	Top of footing	6	8	10	0	0	0	0	0	7	2
18	150	8	10	Top of footing	6	8	10	0	0	0	0	0	7	2
19	150	8	10	Top of footing	6	8	10	0	0	0	0	0	7	2
20	150	8	10	Top of footing	6	8	10	0	0	0	0	0	7	2
21	150	8	10	Top of footing	6	8	10	0	0	0	0	0	7	2
22	150	8	10	Top of footing	6	8	10	0	0	0	0	0	7	2
23	150	8	10	Top of footing	6	8	10	0	0	0	0	0	7	2
24	150	8	10	Top of footing	6	8	10	0	0	0	0	0	7	2
25	150	8	10	Top of footing	6	8	10	0	0	0	0	0	7	2



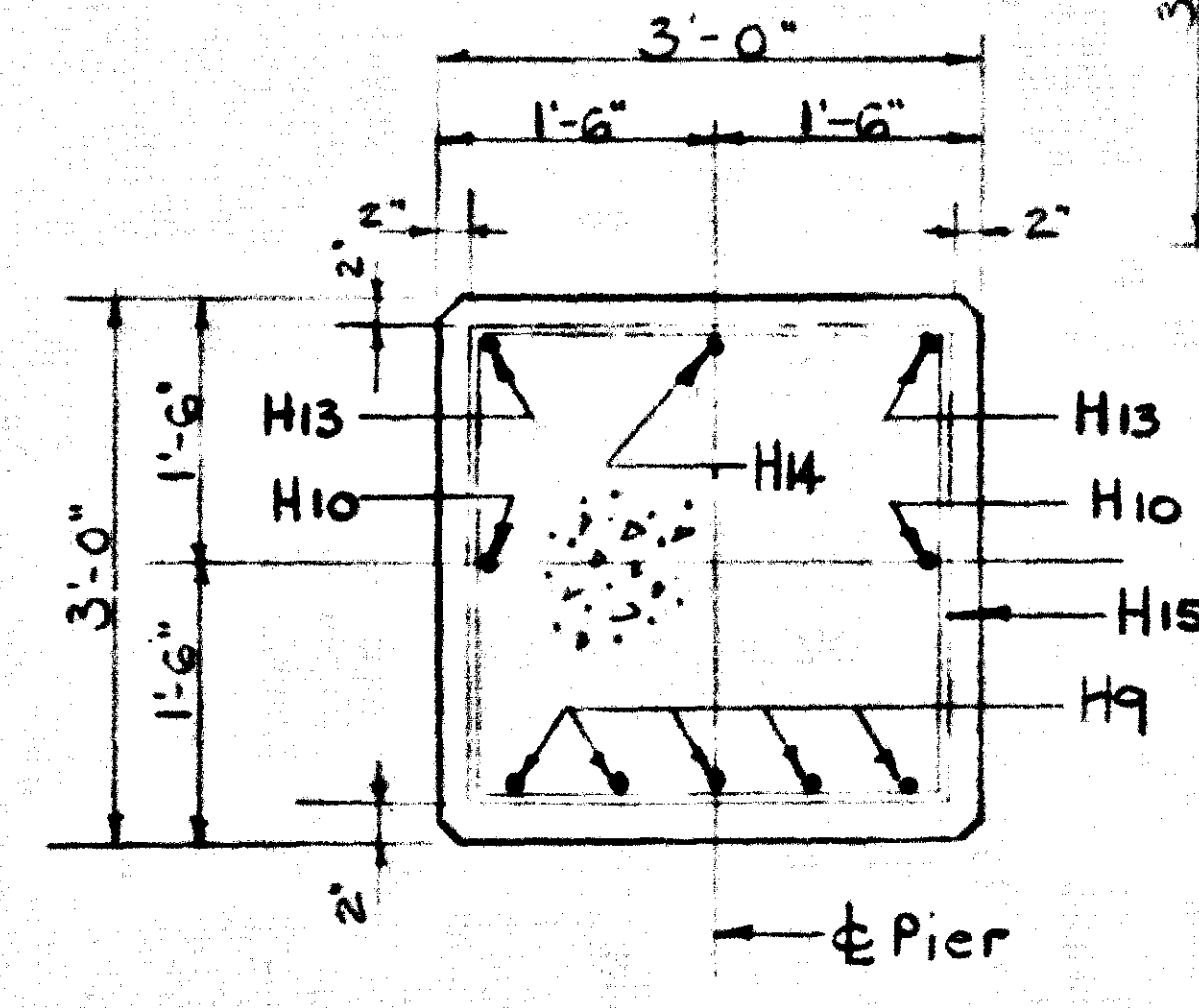
ESTIMATE OF QUANTITIES

CONCRETE CLASS "A" 92.4 CU YDS
 REINFORCEMENT 15768 LBS.



SECTION A-A

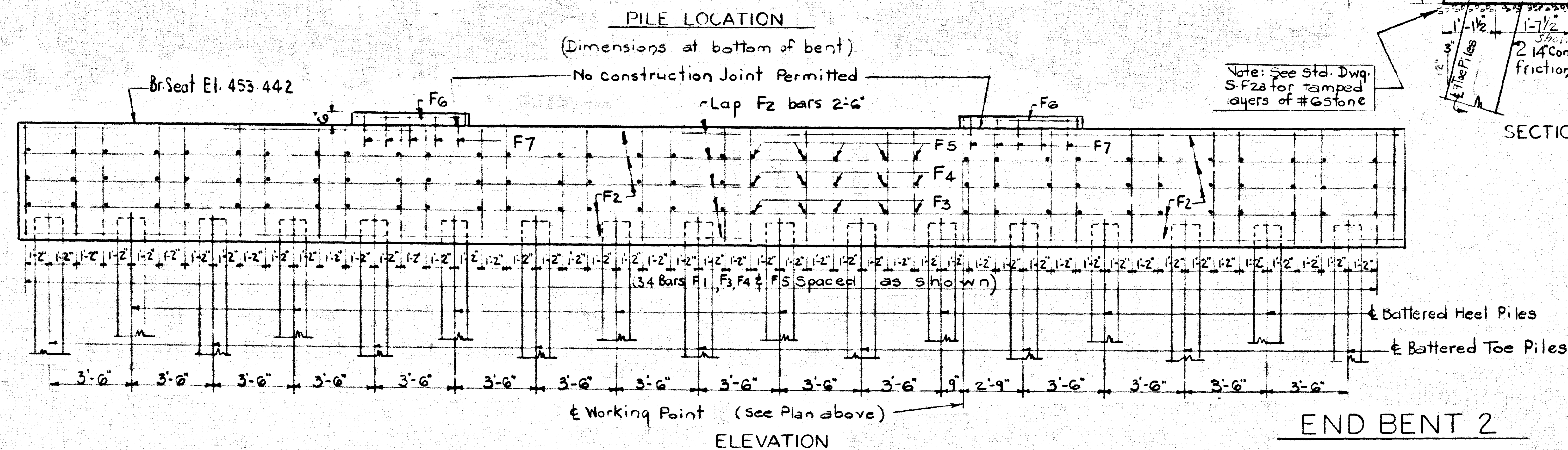
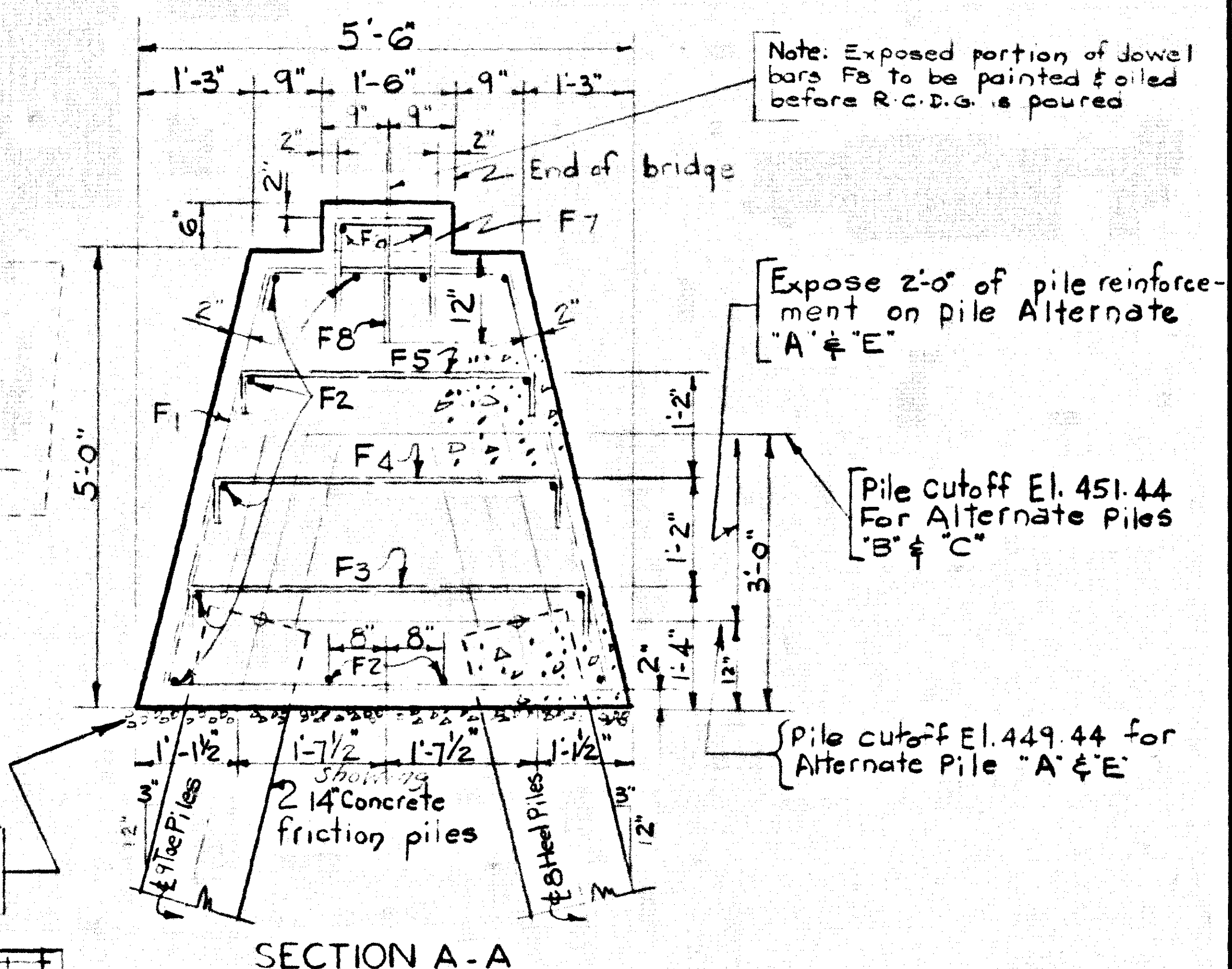
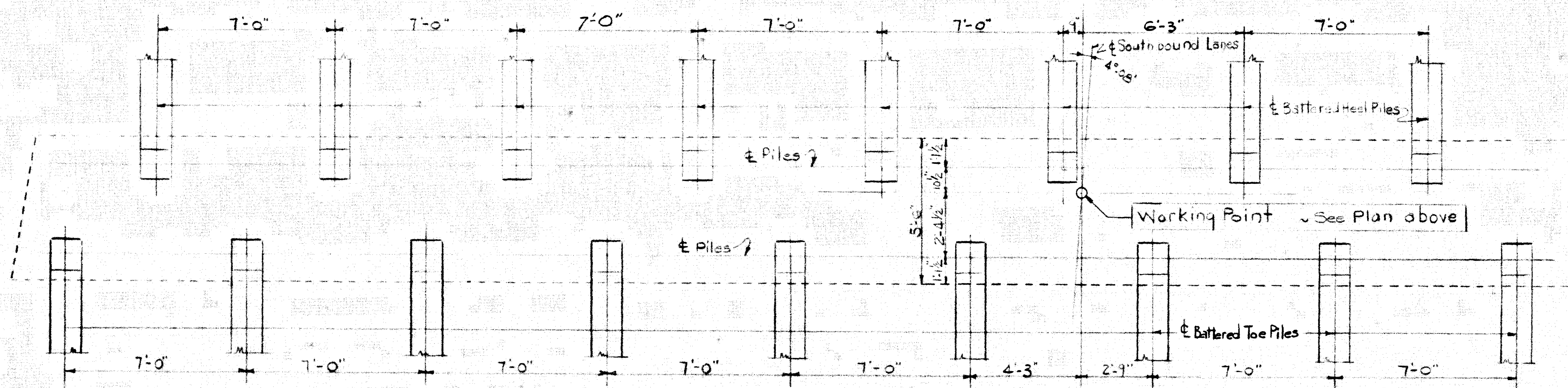
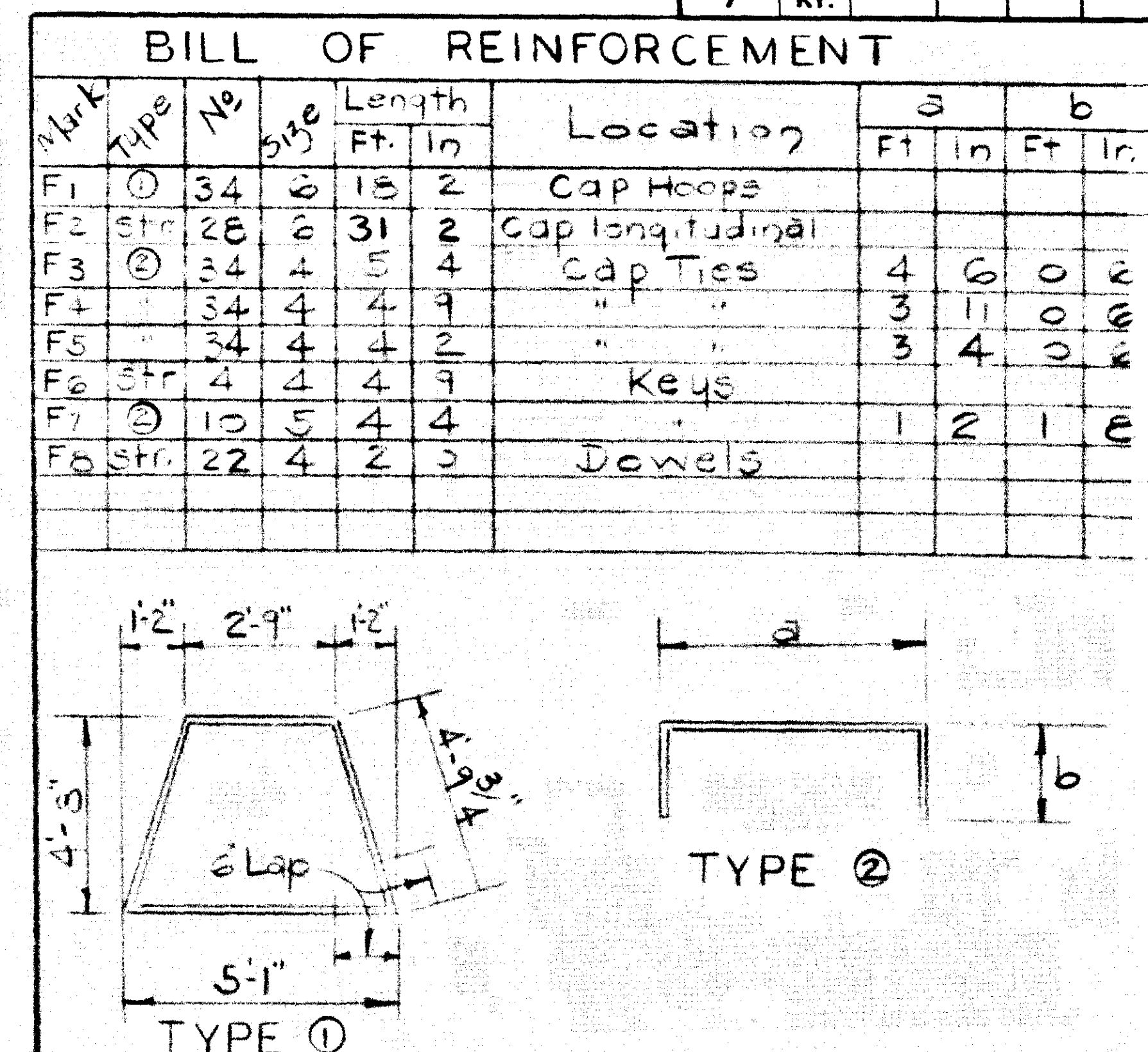
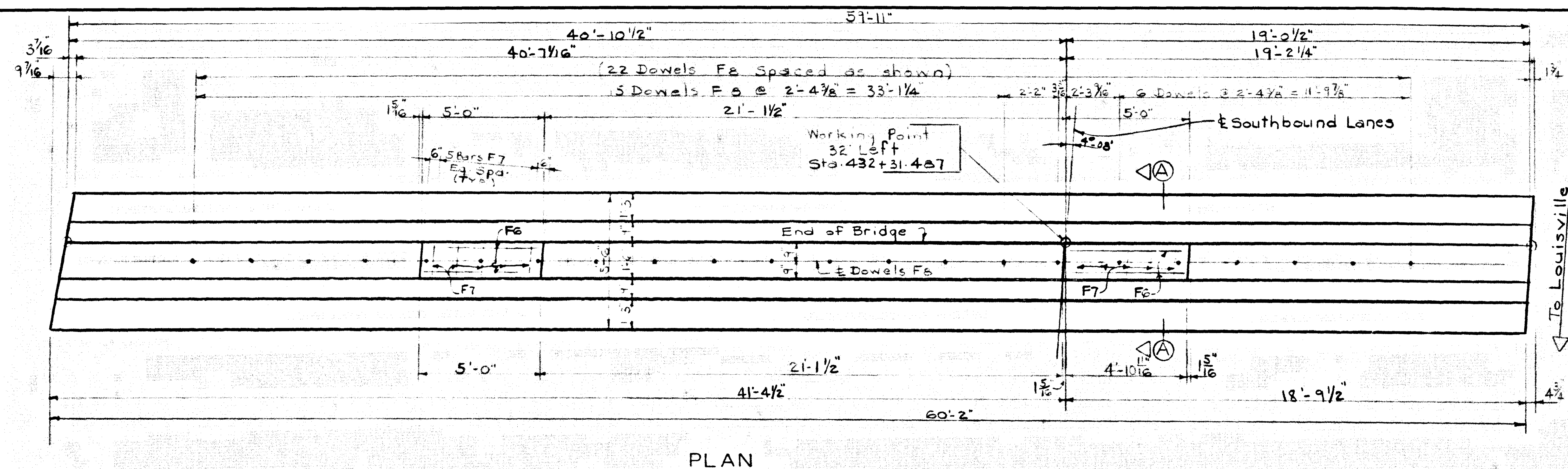
SECTION B-B



SECTION D-D

PIER 2
 SOUTHBOUND BRIDGE

1-71 Over Mockingbird Valley Rd.
COMMONWEALTH OF KENTUCKY
 DEPARTMENT OF HIGHWAYS
 FRANKFORT
 COUNTY OF
JEFFERSON
 LOUISVILLE - COVINGTON
 ROAD
 431+54.30 1-71= STATION 50+00.0 Mockingbird Va. e. N. PROJECT NO.
 BRIDGE NUMBER 16155



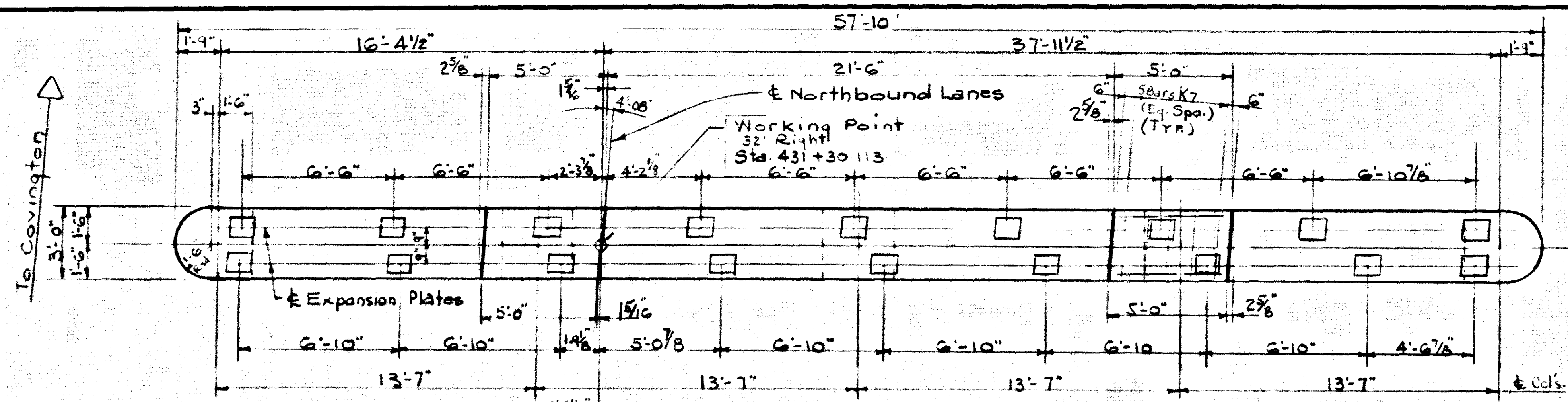
ESTIMATE OF QUANTITIES

* CONCRETE CLASS "A" 47.5 CUYD
REINFORCEMENT 2649 LBS.
* Pile deductions not included
1-71 over Mockingbird Valley Rd. Sheet 9

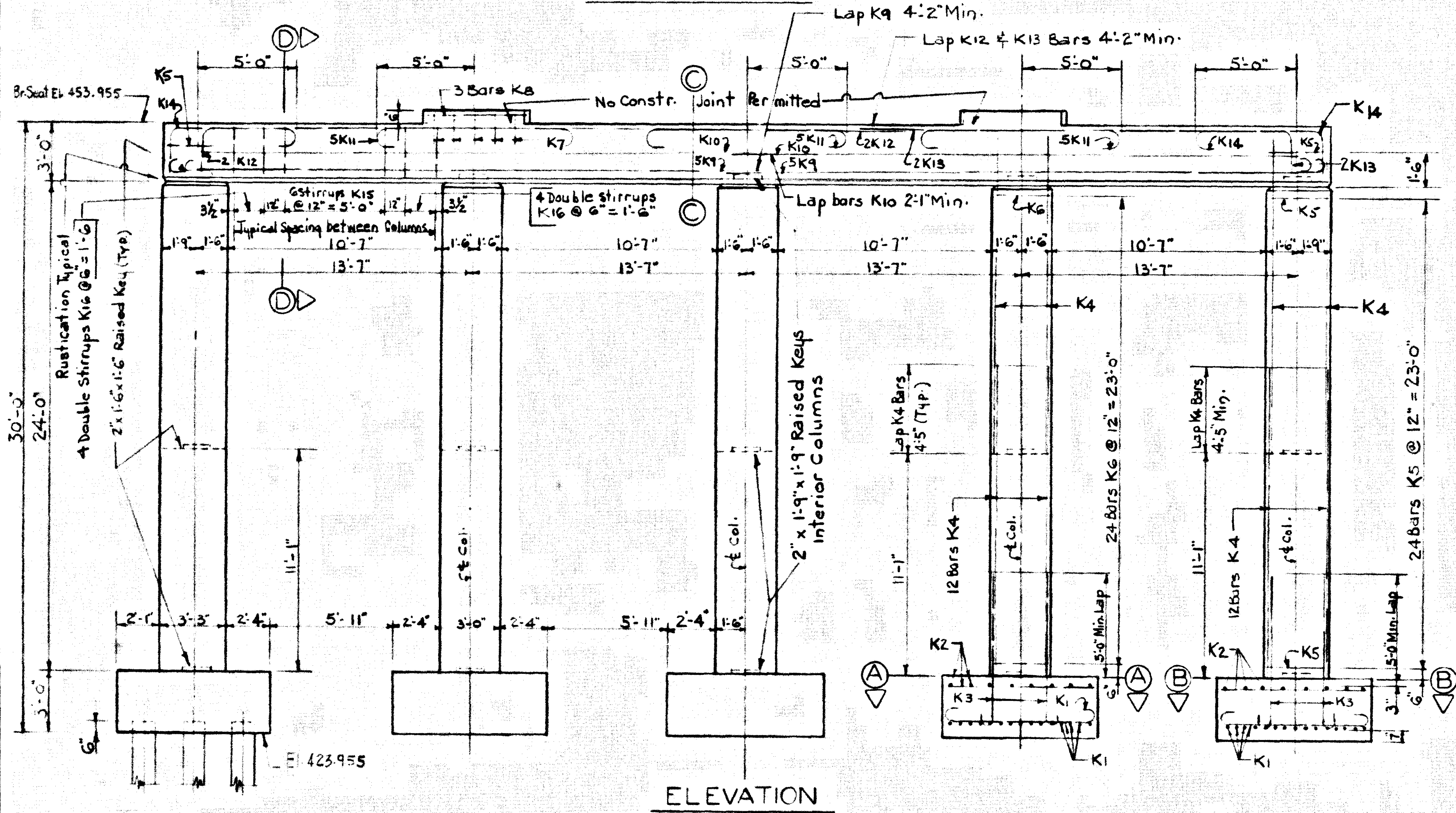
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
JEFFERSON
LOUISVILLE - COVINGTON

431 + 54.30 I-71 = ROAD
STATION 50+00.0 Mockingbird Valley to PROJECT NO.
BRIDGE NUMBER DRAWING NO. 16155

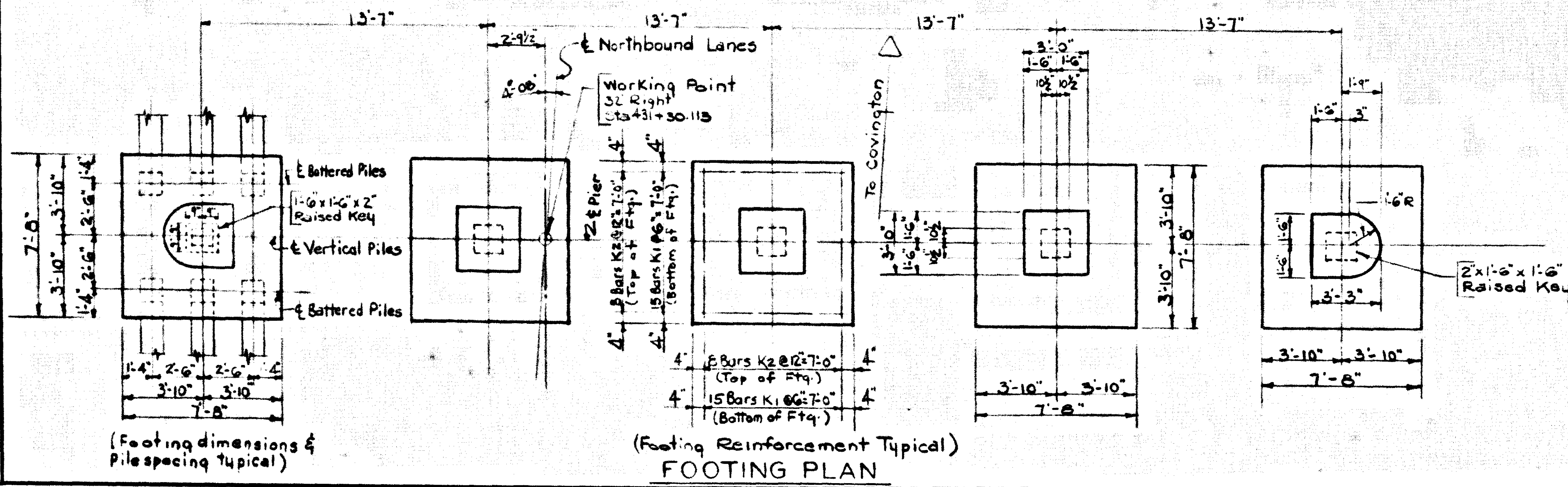
REVISIONS
 NO. DATE BY
 1 10/1/54 J. H. B. (C)
 2 10/1/54 J. H. B. (C)
 3 10/1/54 J. H. B. (C)
 4 10/1/54 J. H. B. (C)
 5 10/1/54 J. H. B. (C)
 6 10/1/54 J. H. B. (C)
 7 10/1/54 J. H. B. (C)
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 9 10/1/54 J. H. B. (C)
 10 10/1/54 J. H. B. (C)



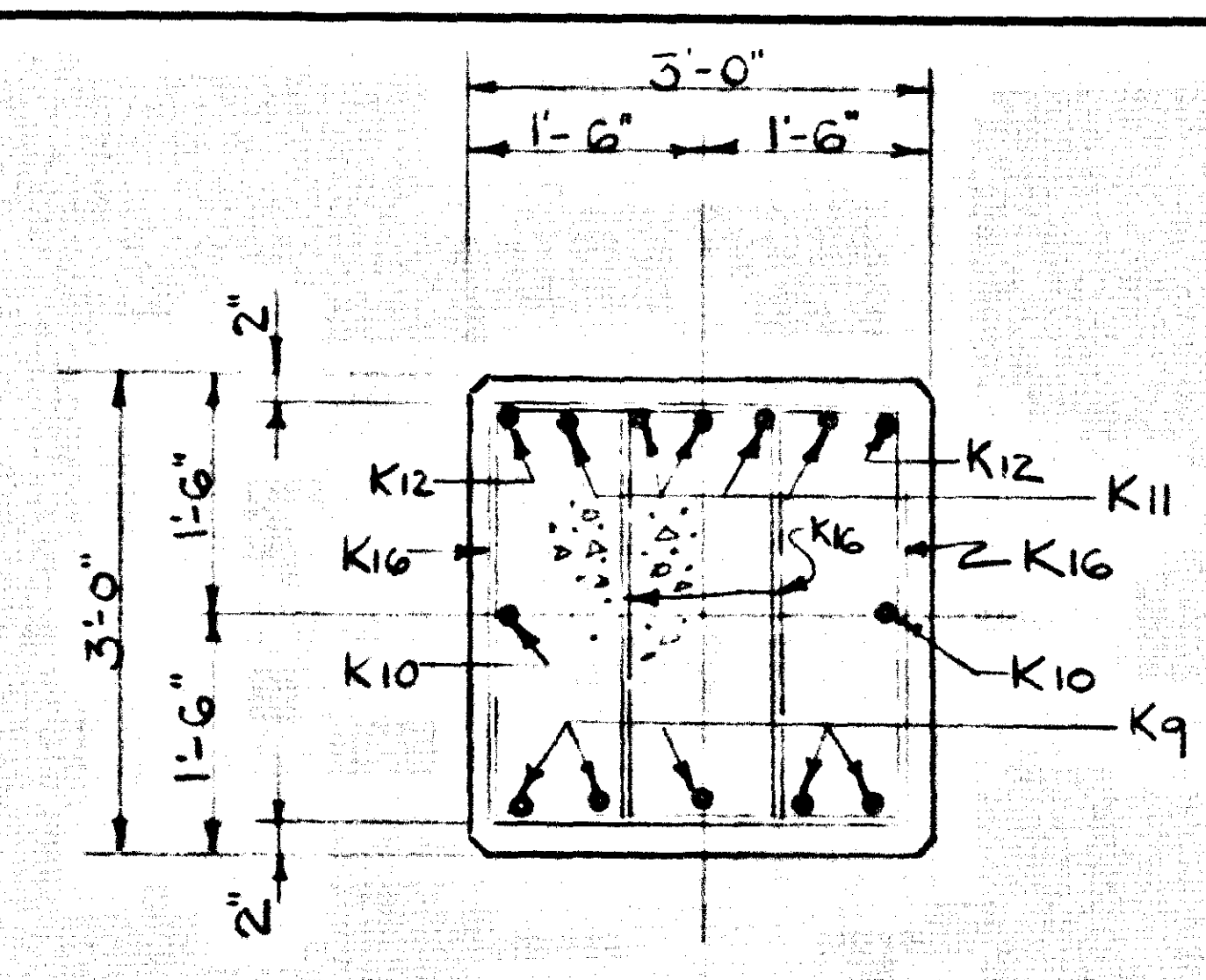
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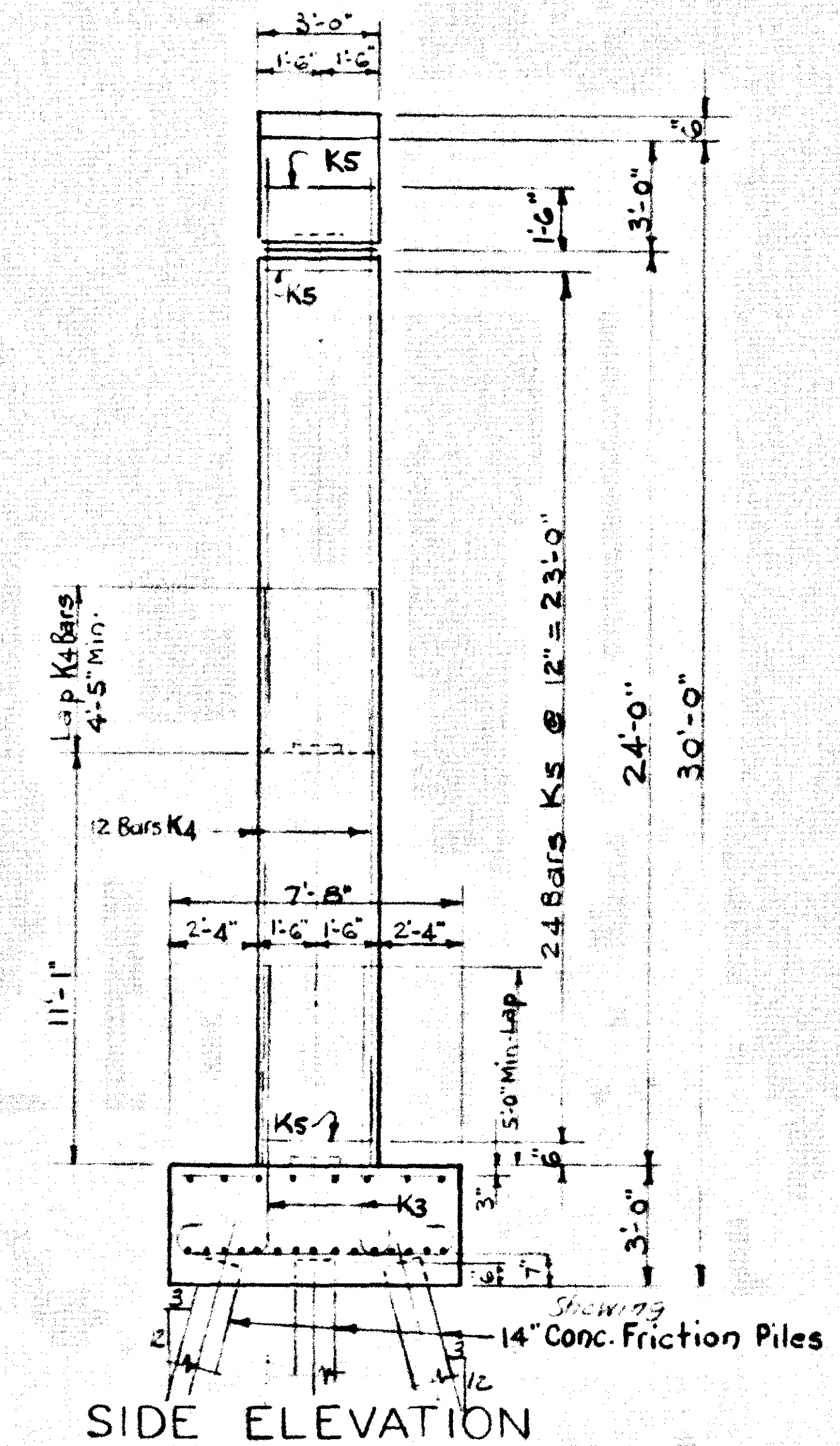
ELEVATION



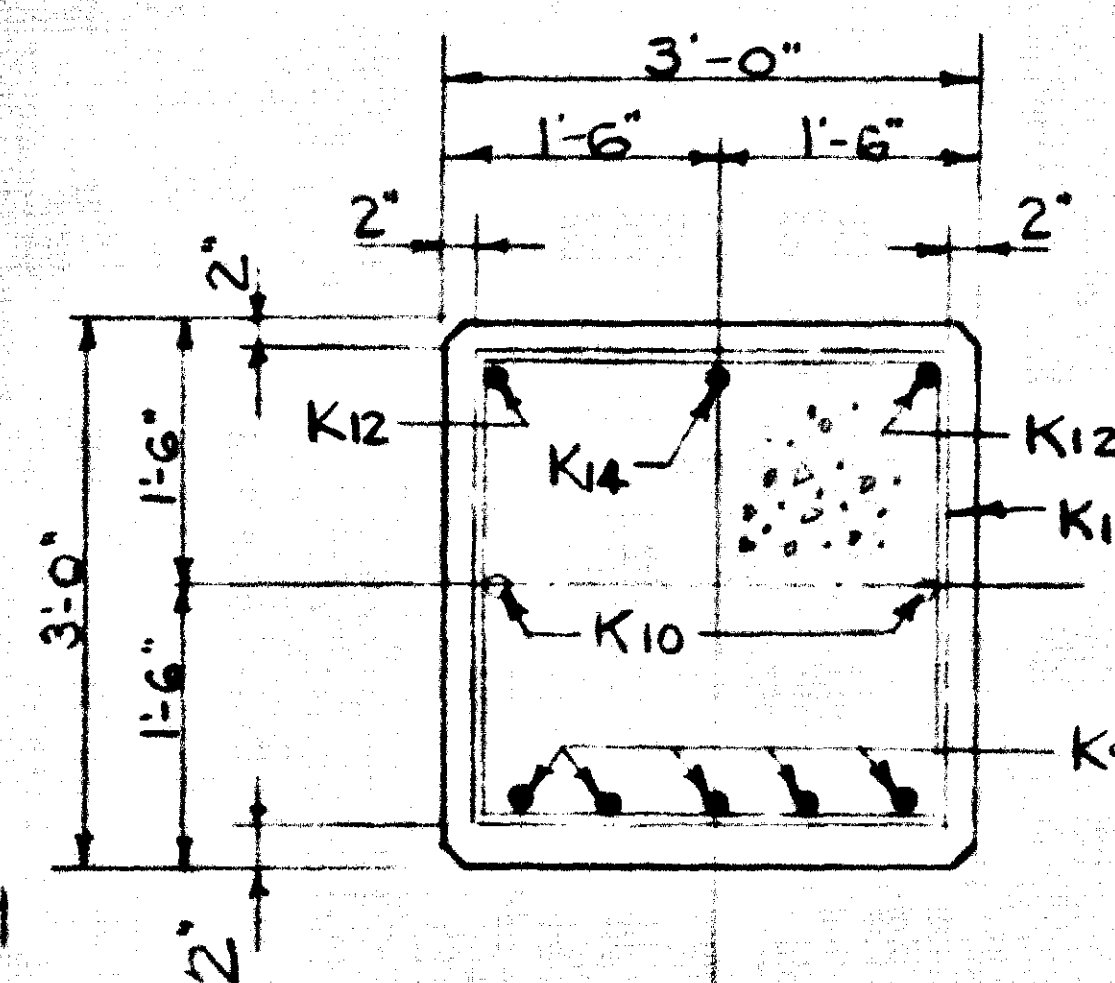
FOOTING PLAN



SECTION C-C



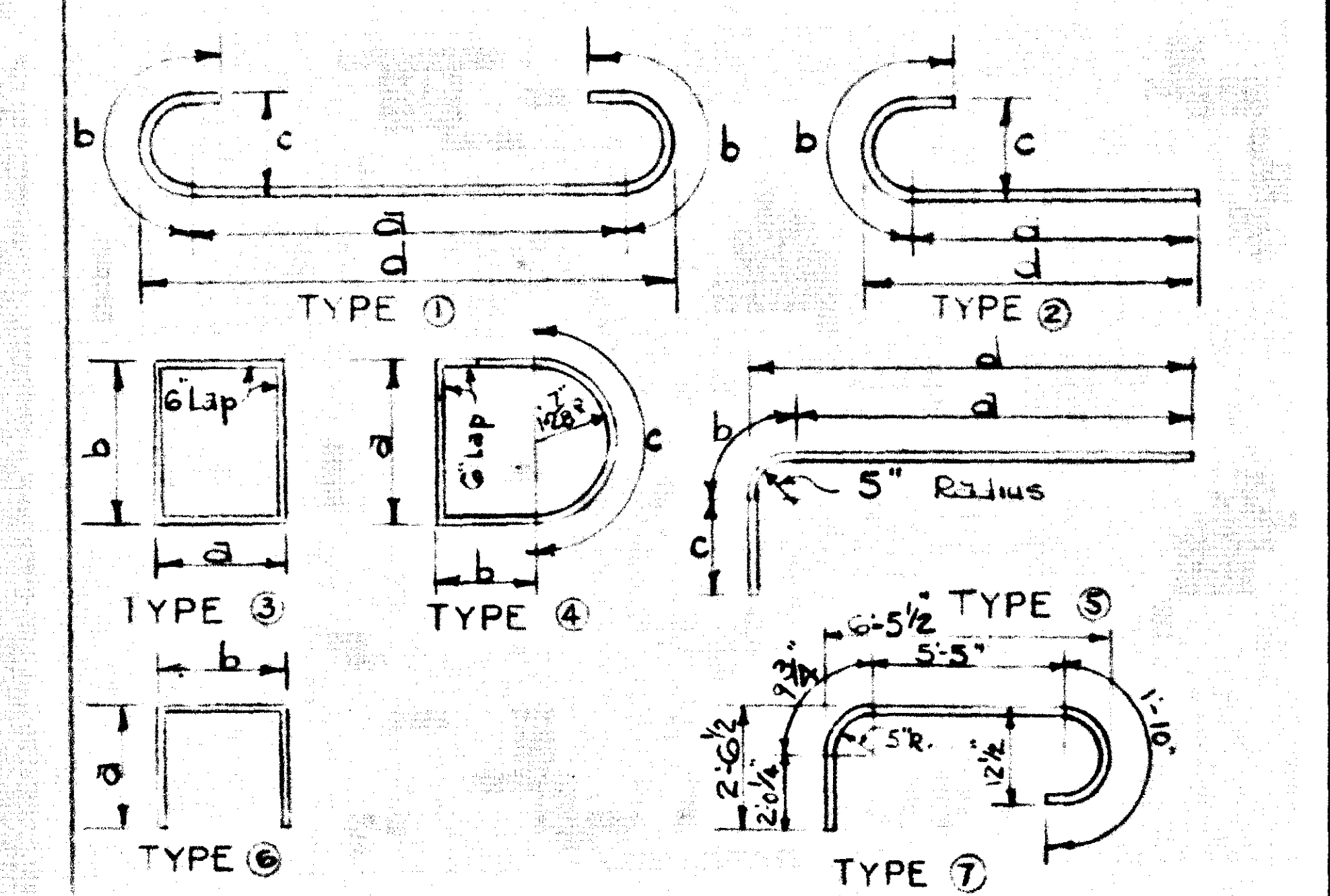
SIDE ELEVATION



SECTION D-D

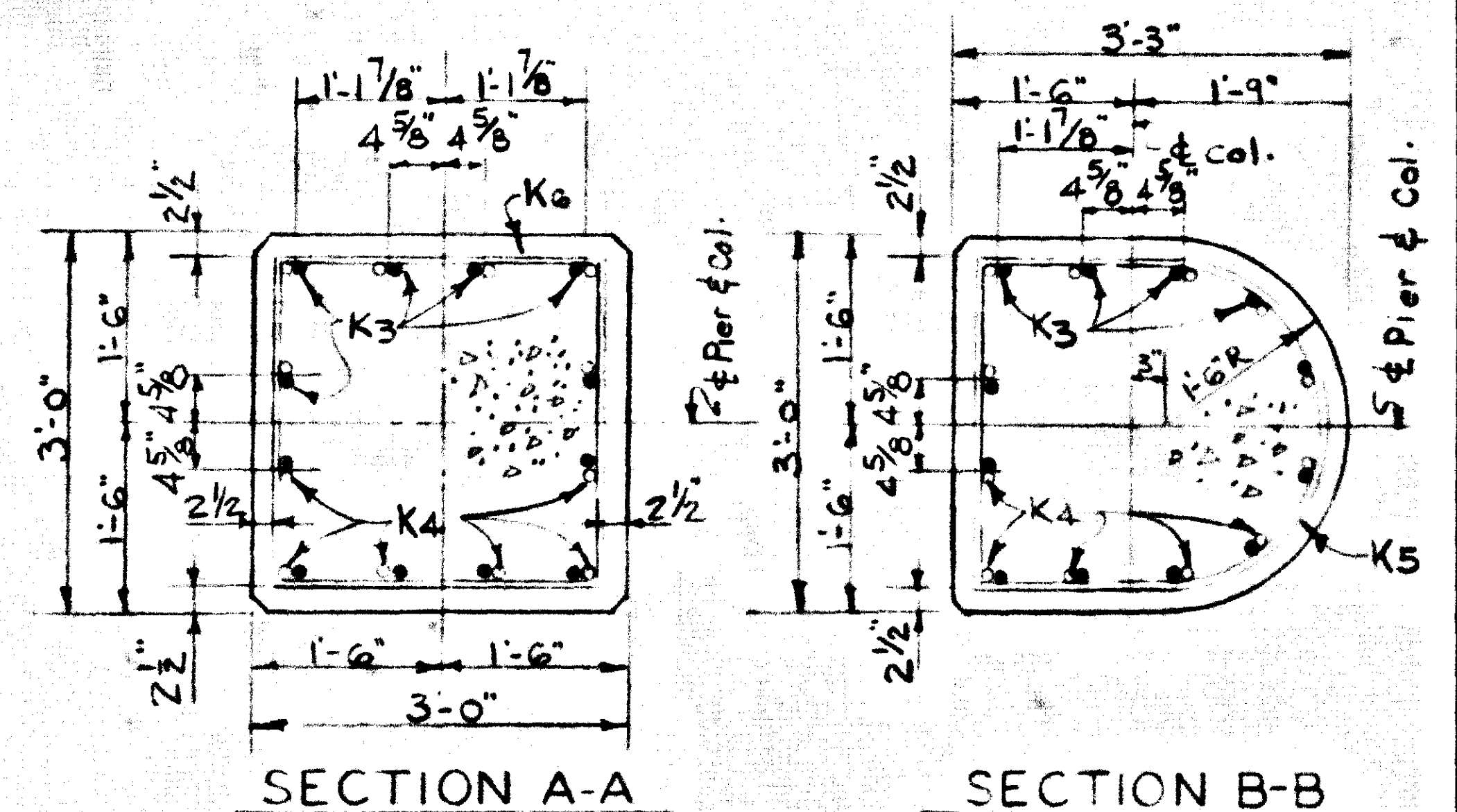
PIER 1
NORTHBOUND BRIDGE

BILL OF REINFORCEMENT									
Mark	Type	No.	Length	Location	ft	in	ft	in	ft
K1	Bar	150	7	Bottom of footing	6	8	1	0	0
K2	Bar	80	7	Top of footing	6	8	1	0	0
K3	Bar	60	7	Fig. Joints	6	10	1	8	0
K4	Bar	120	5	Columns	2	7	1	6 1/2	4
K5	Bar	50	10	Column Hoops	2	8	2	8	0
K6	Bar	72	11	Keys	1	8	2	8	0
K7	Bar	100	4	Cap - Bottom Bars	30	2	1	10	1
K8	Bar	100	32	Cap - Side	30	2	1	10	1
K9	Bar	100	12	Cap - Top	30	2	1	10	1
K10	Bar	100	38	Cap - Bottom Bars	30	2	1	10	1
K11	Bar	100	24	Cap - Bottom Bars	30	2	1	10	1
K12	Bar	100	10	Cap - Bottom Bars	30	2	1	10	1
K13	Bar	100	10	Cap - Bottom Bars	30	2	1	10	1
K14	Bar	100	10	Cap - Bottom Bars	30	2	1	10	1
K15	Bar	100	10	Cap - Bottom Bars	30	2	1	10	1
K16	Bar	100	10	Cap - Bottom Bars	30	2	1	10	1



ESTIMATE OF QUANTITIES

CONCRETE CLASS "A"
 REINFORCEMENT 91.1 CUYD
 14,614 LBS.



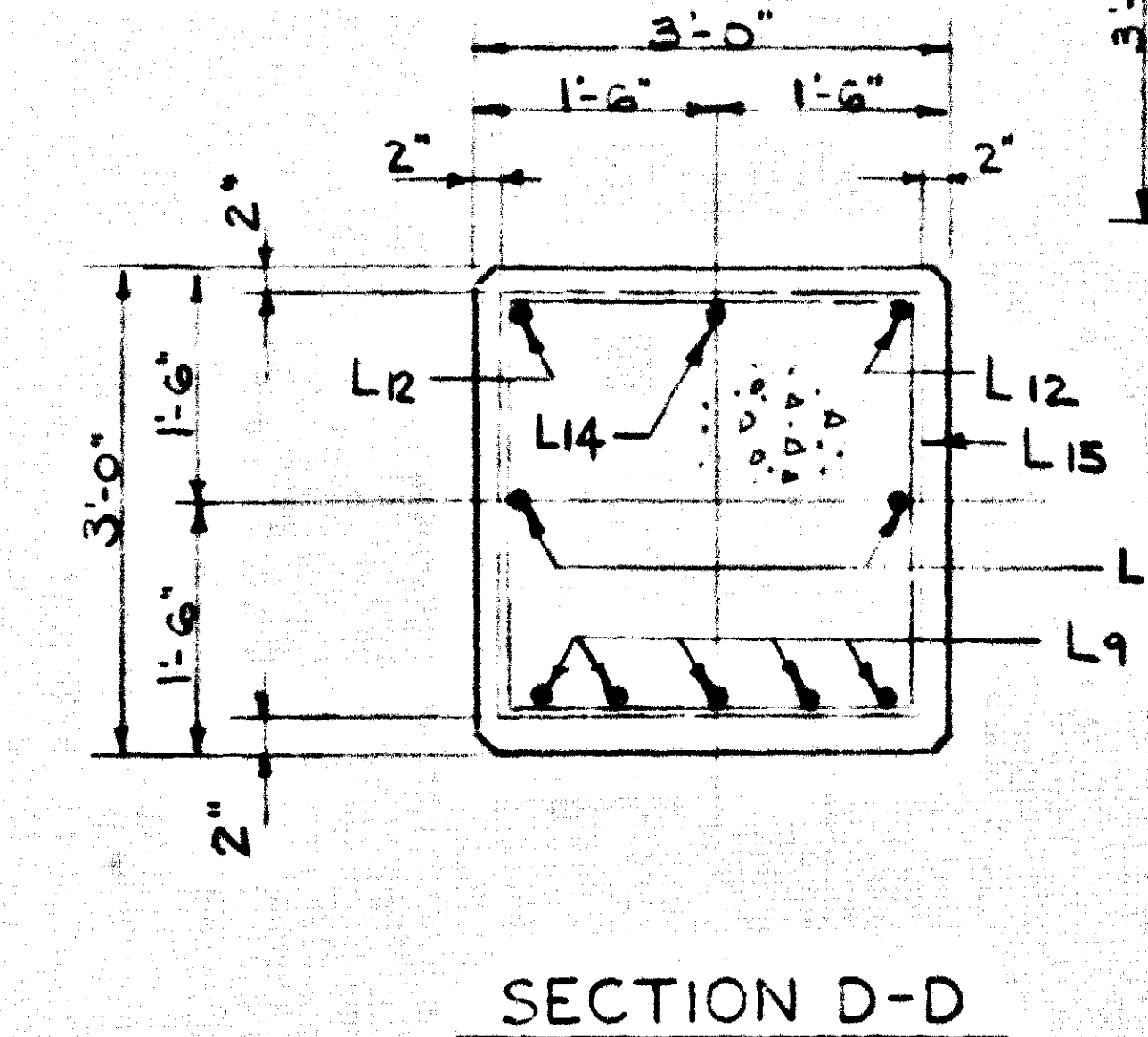
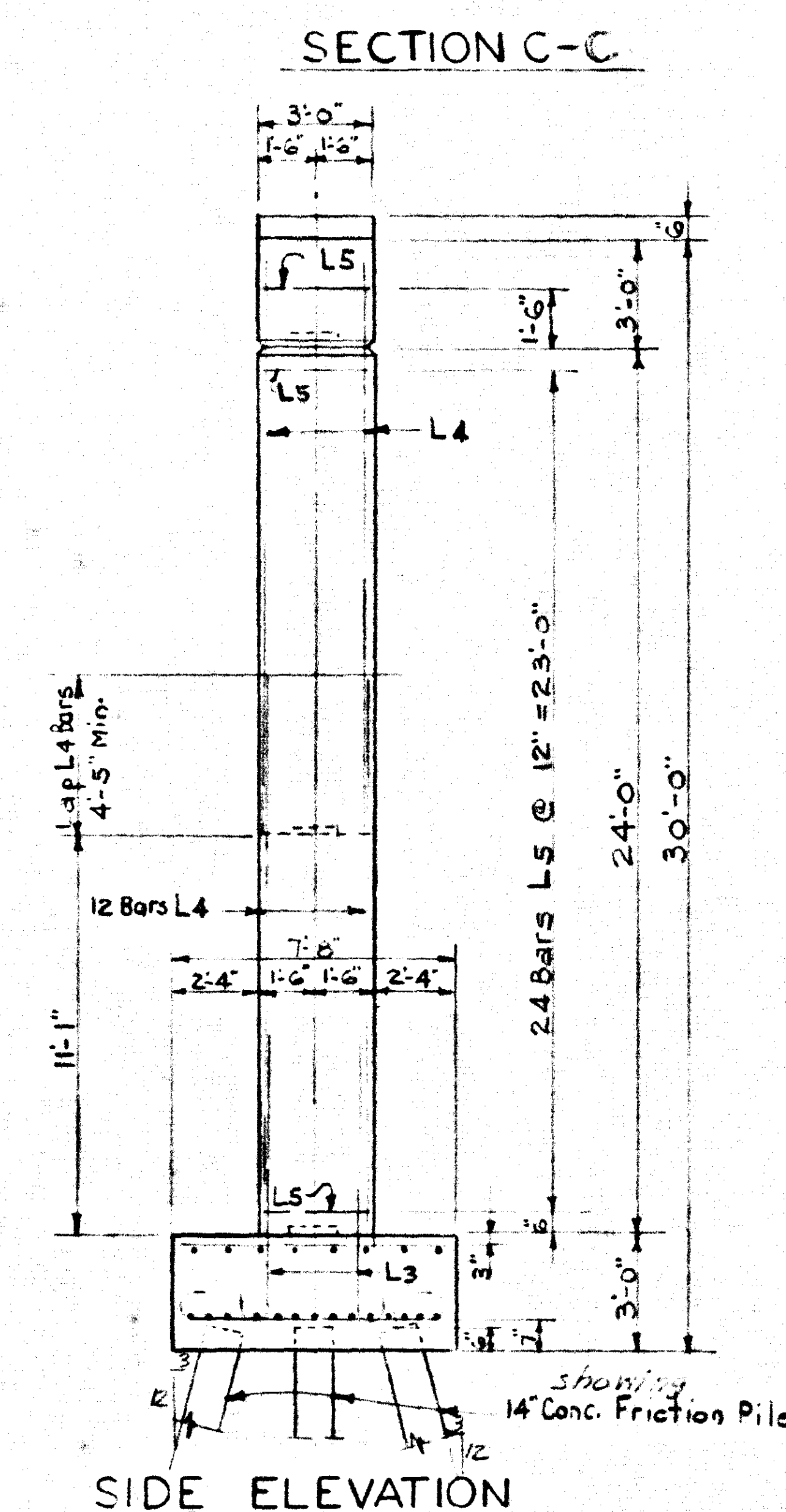
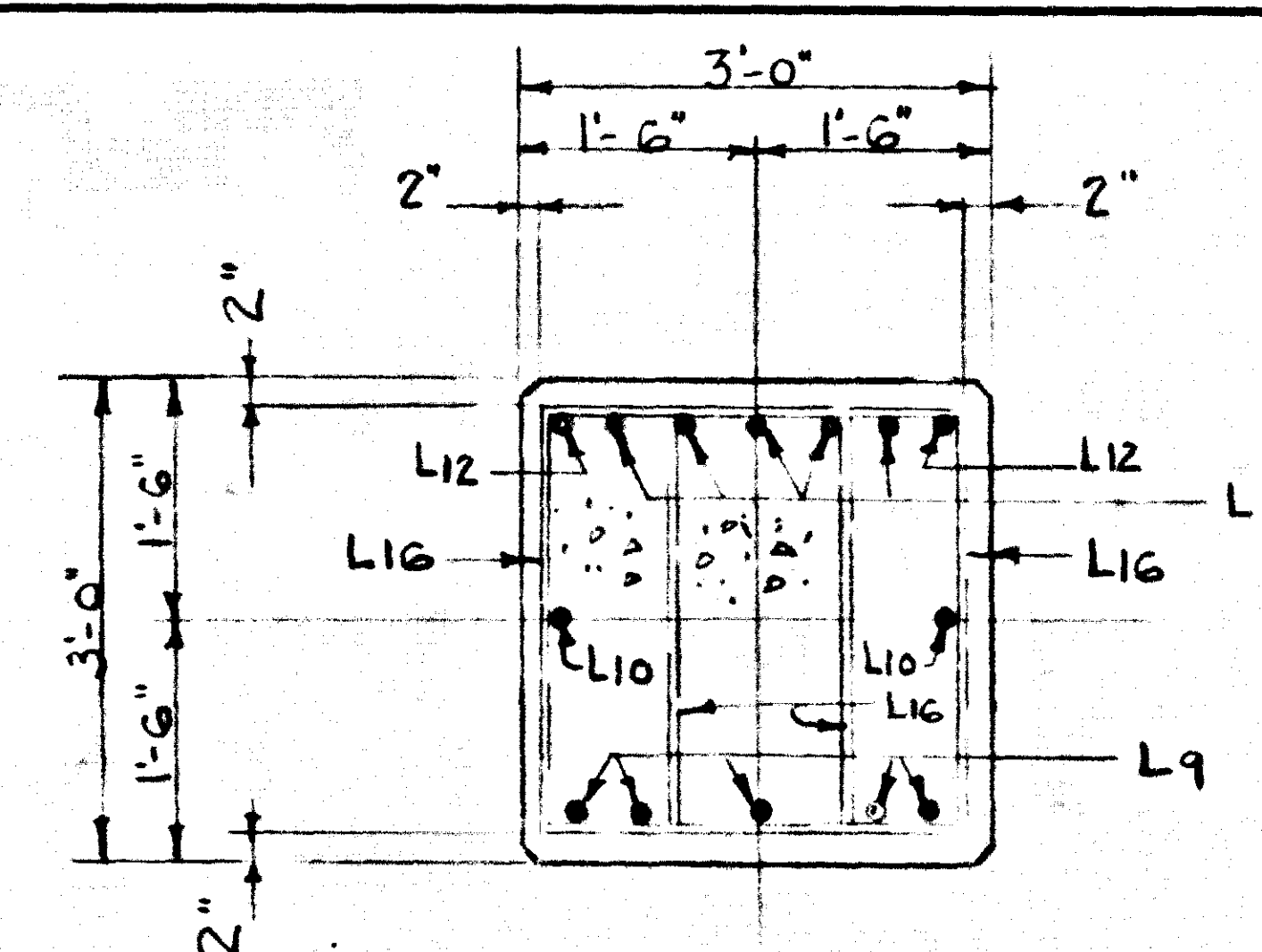
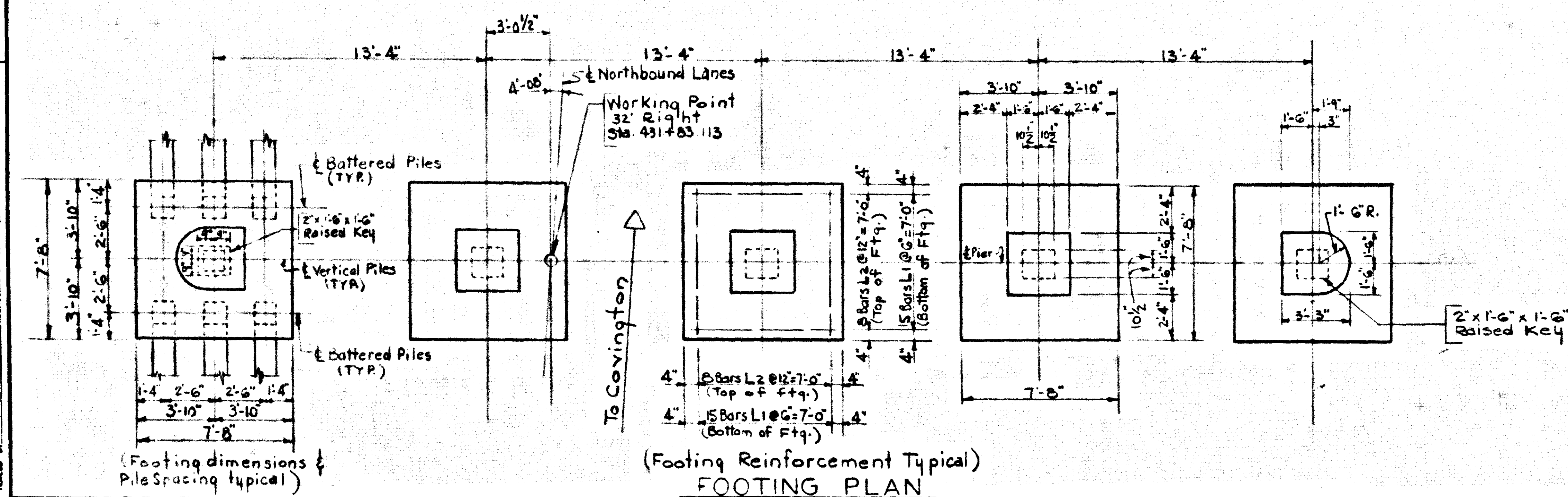
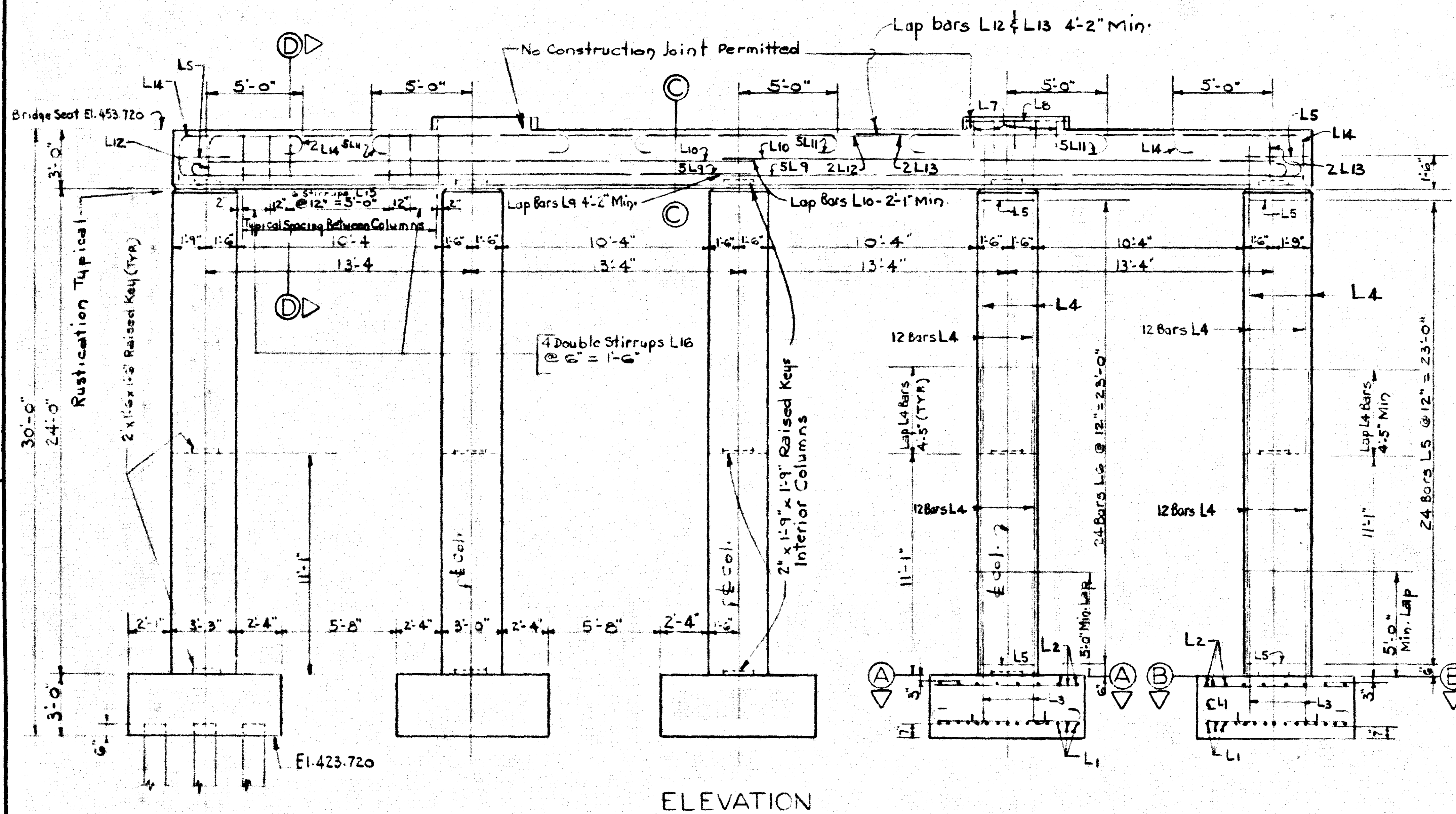
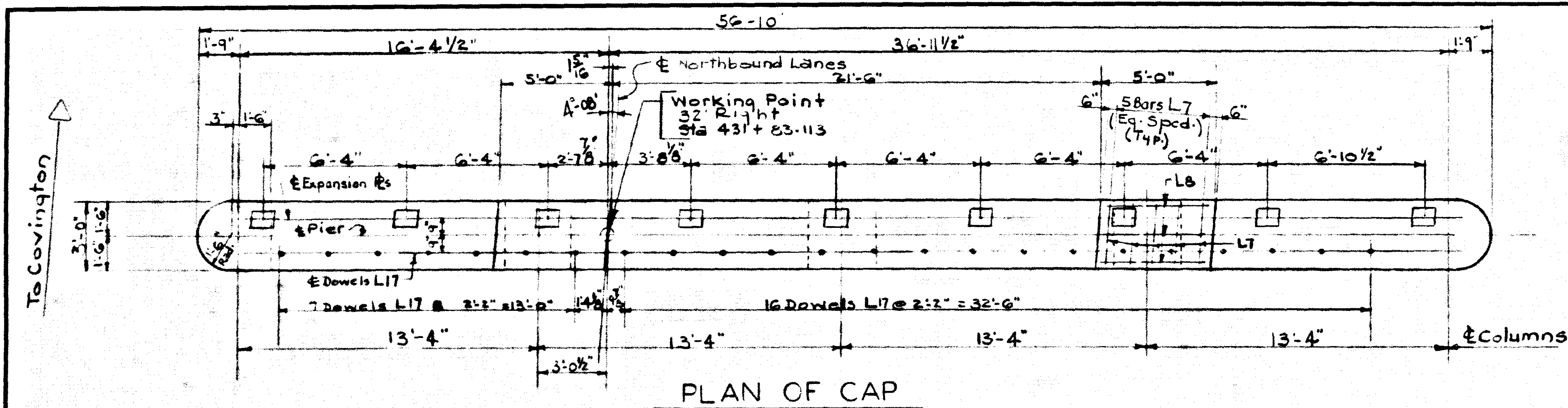
SECTION A-A

SECTION B-B

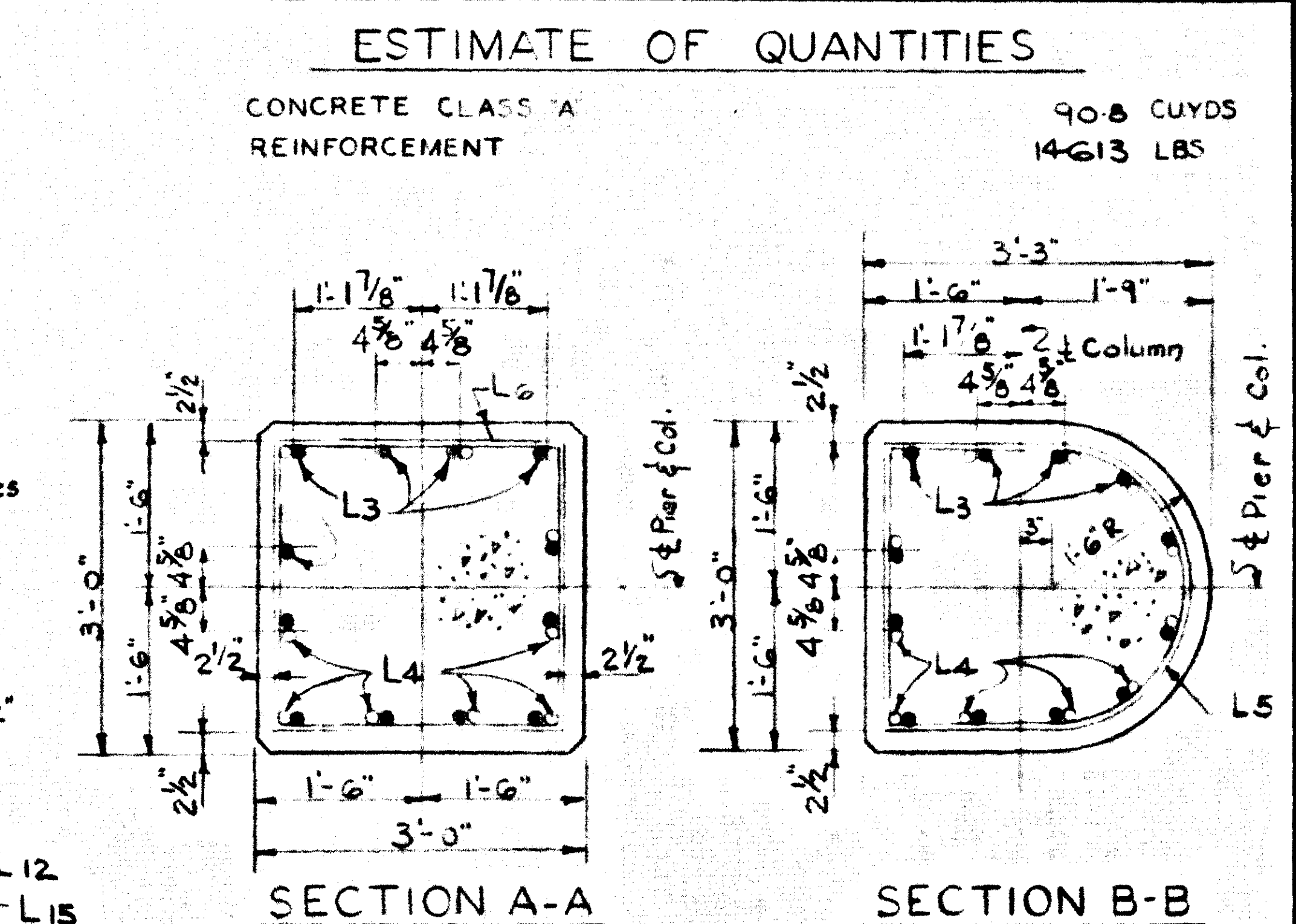
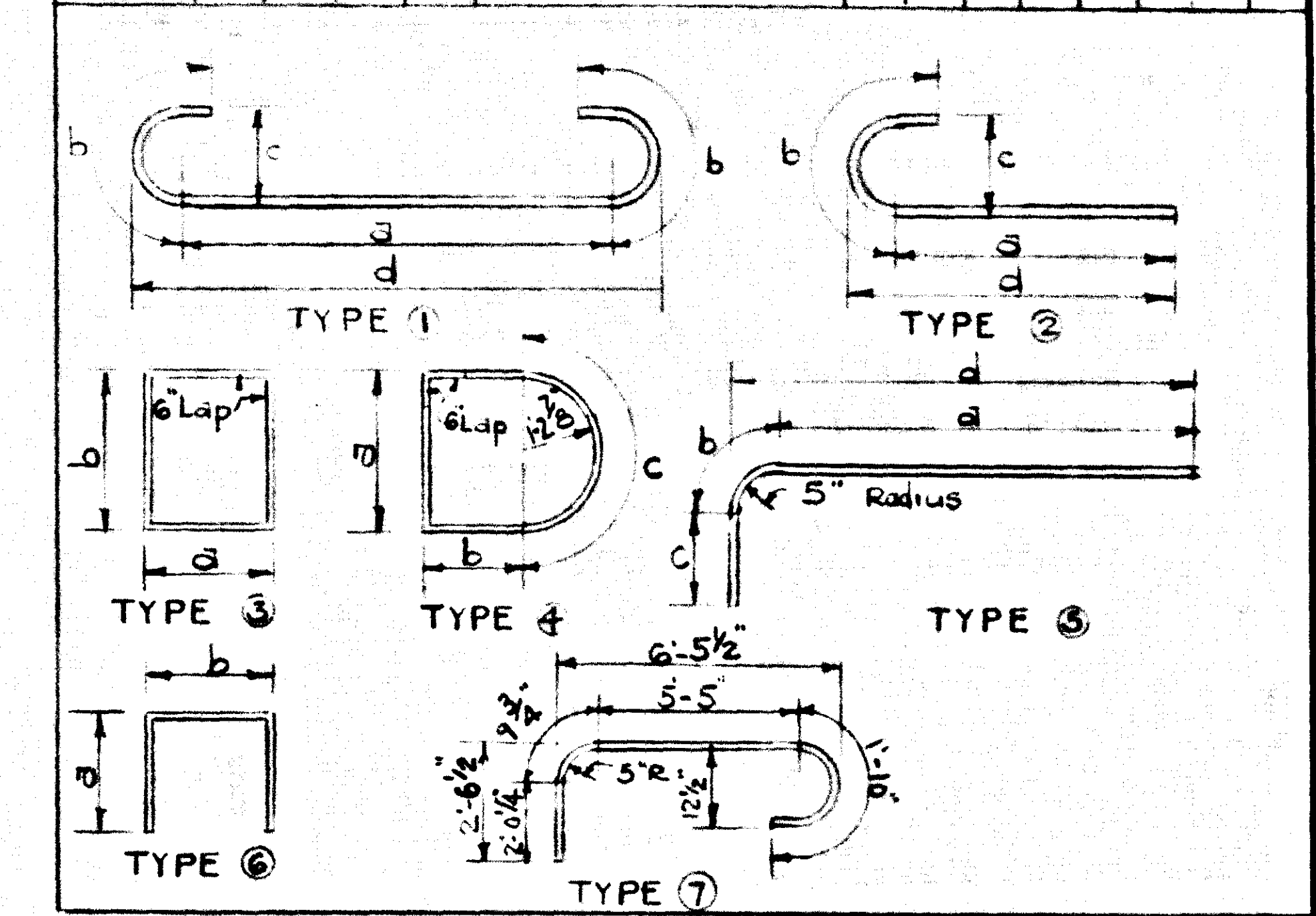
771 Over Mockingbird Valley Rd. Sheet 12

COMMONWEALTH OF KENTUCKY
 DEPARTMENT OF HIGHWAYS
 FRANKFORT
 COUNTY OF
JEFFERSON
 LOUISVILLE - COVINGTON

431+54.30 I-71 = ROAD
 STATION 50+00 to 50+00 Mockingbird Valley Rd. PROJECT NO.
 BRIDGE NUMBER 10/155



REQ. ROAD DIST		STATE		REQ. ROAD NO.		FISCAL YEAR		SHEET NO.		TOTAL SHEETS	
7		KY.									
BILL OF REINFORCEMENT											
Mark	Type	No	Size	Length Ft	Location	Ft ^a	In ^b	Ft ^c	In ^d	Ft ^e	In ^f
L1	①	150	6	8	Bottom of footing	6	8	1	0	0	6
L2	Str	80	6	8	Top of footing						
L3	②	60	4	8	Ft. Dowels	6	0	1	0	0	11/4
L4	Str	120	6	15	Columns						
L5	4	50	5	10	Column Hoops	2	7	1	6/2	4	0/2
L6	3	72	5	11	"	2	8	2	0		
L7	6	10	5	5	Keys	1	8	2	0		
L8	③	10	10	31	Cap - Bottom Bars	29	8	1	10	1	0/2
L9	Str	4	5	27	" - Side "					30	2/4
L10	④	15	10	12	" - Top "	9	0	1	10	1	0/2
L11	⑤	2	10	37	" - " "	34	10/4	0	9/4	2	0
L12	⑥	2	10	32	" - " "	2	7/4	0	9/4	2	0
L13	⑦	2	10	34	" - " "					22	1/2
L14	7	2	10	20	" - " "						
L15	⑧	24	11	0	" - Stirrups	2	8	2	8		
L16	⑨	64	11	0	" - Double Stirrups	1	10	2	8		
L17	Str	23	4	2	" - Dowels						



2-11 Over Mockingbird Valley Rd. Sheet #

COMMONWEALTH OF KENTUCKY

DEPARTMENT OF HIGHWAYS

FRANKFORT

COUNTY OF

JEFFERSON

LOUISVILLE - COVINGTON

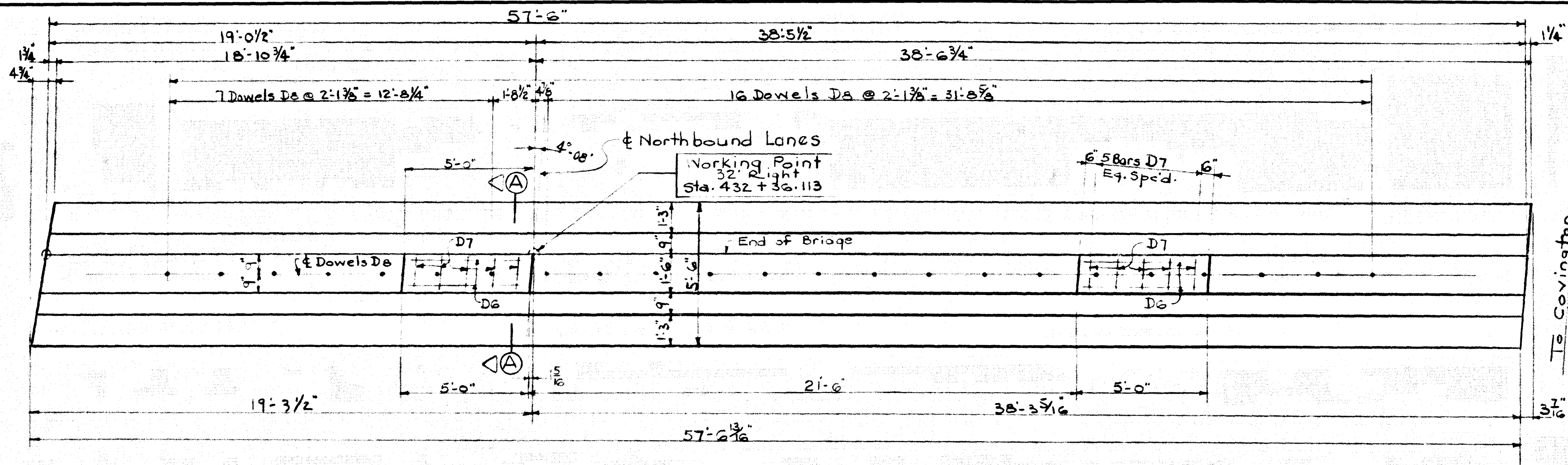
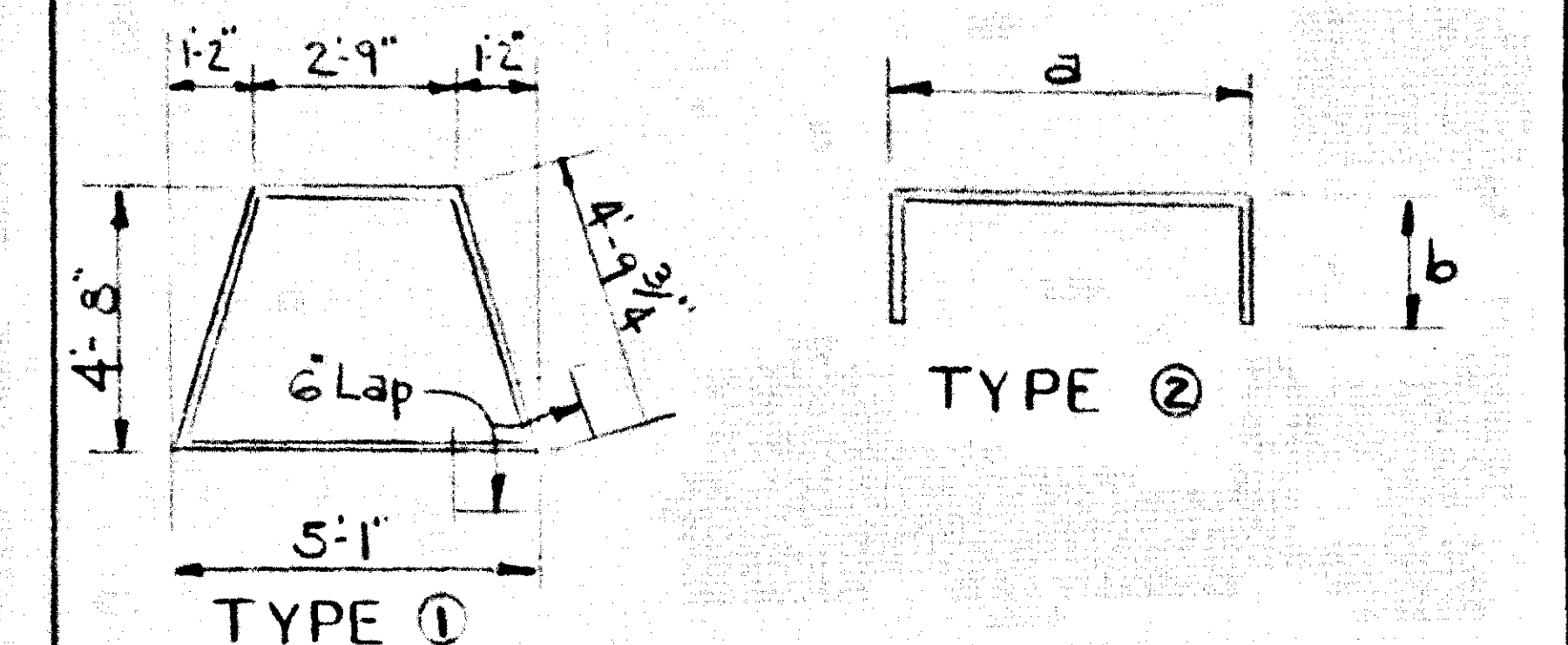
ROAD

dist + Sta 30 1-71 =

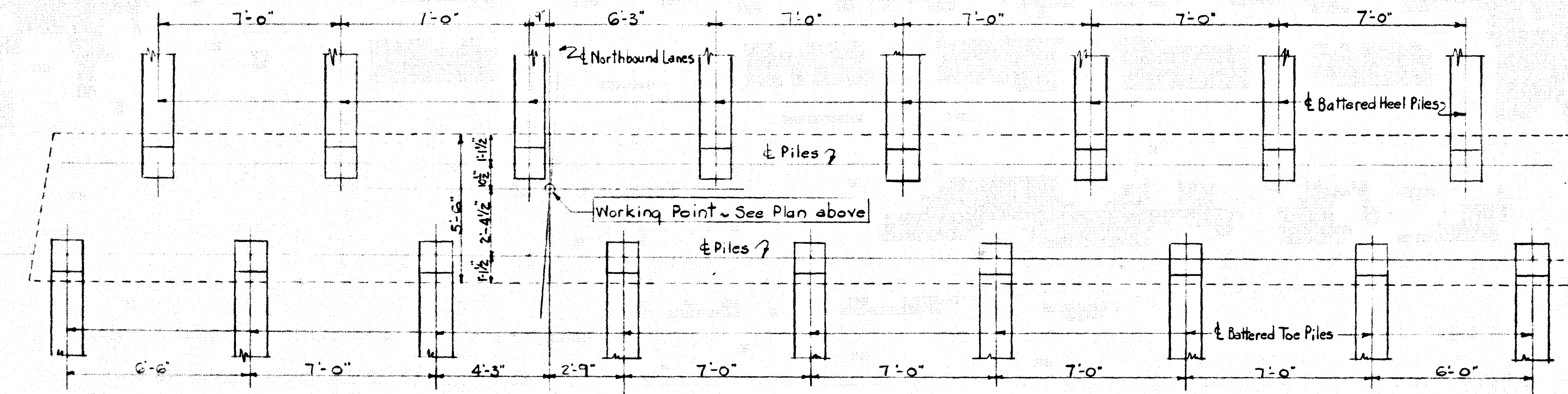
STATION 50 + 00.00 Mockingbird Valley Rd. PROJECT NO.

BRIDGE NUMBER	DRAWING	DATE
	NO. 16155	

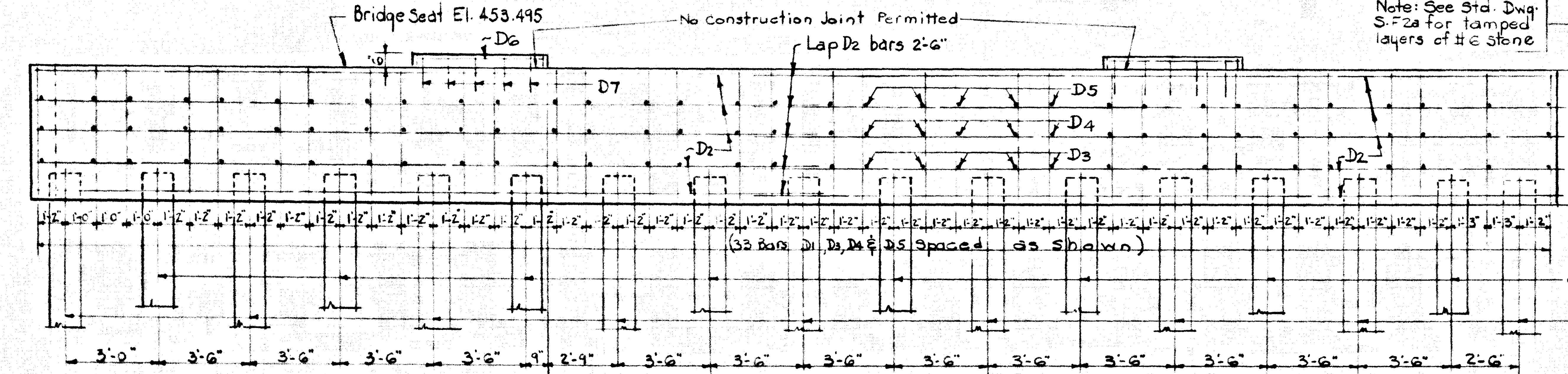
BILL OF REINFORCEMENT									
Mark	Type	No.	Qty	Length Ft.	Location	a	b	c	d
D1	Str.	33	6	18	2				
D2	Str.	20	6	29	10				
D3	"	33	4	5	4				
D4	"	33	4	4	9				
D5	"	33	4	4	2				
D6	Str.	4	4	4	9	4	6	0	6
D7	"	10	5	4	4	3	4	0	6
D8	Str.	23	4	2	0	1	2	1	8



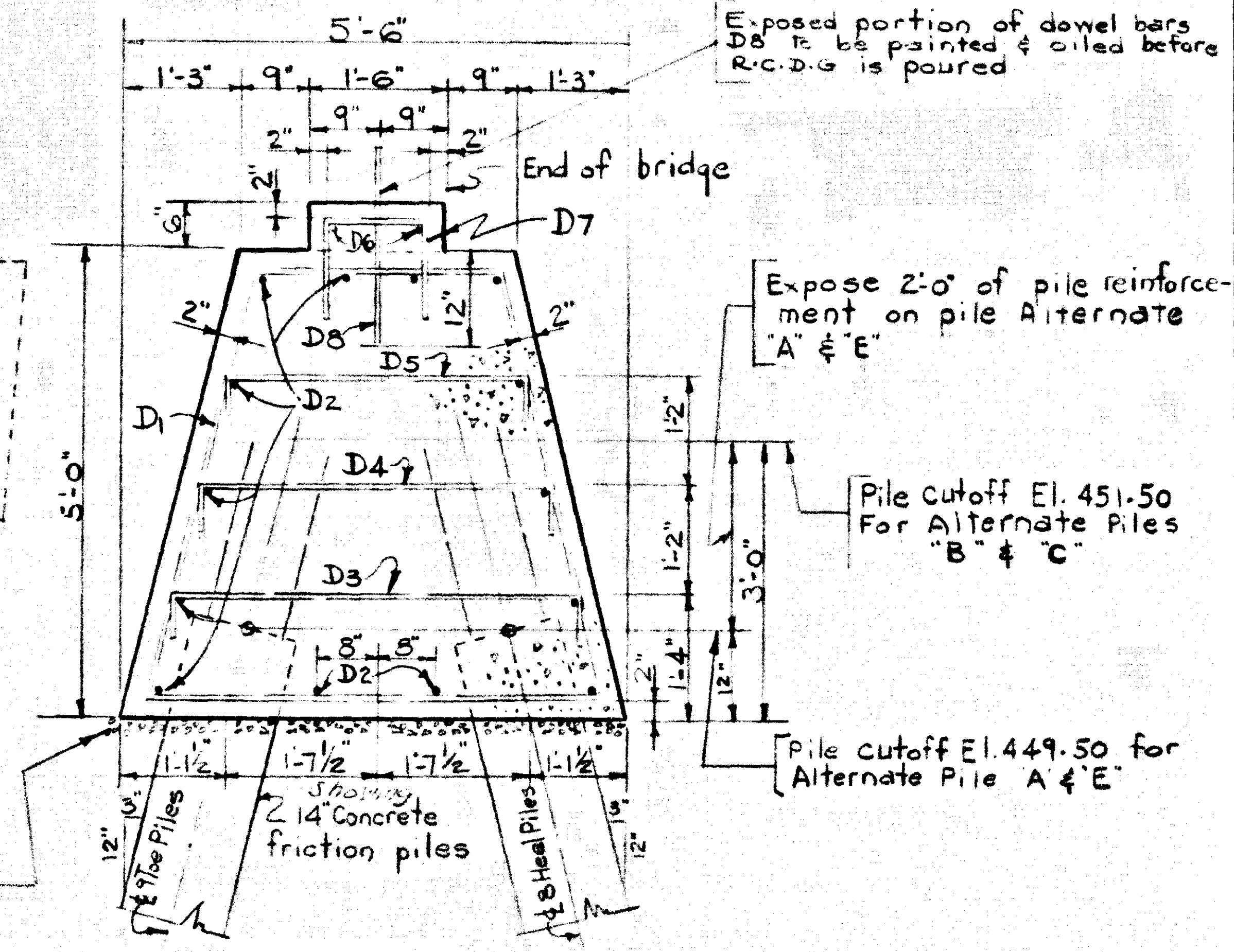
PLAN



PILE LOCATION
(Dimensions at bottom of bent)



ELEVATION



SECTION A-A

ESTIMATE OF QUANTITIES

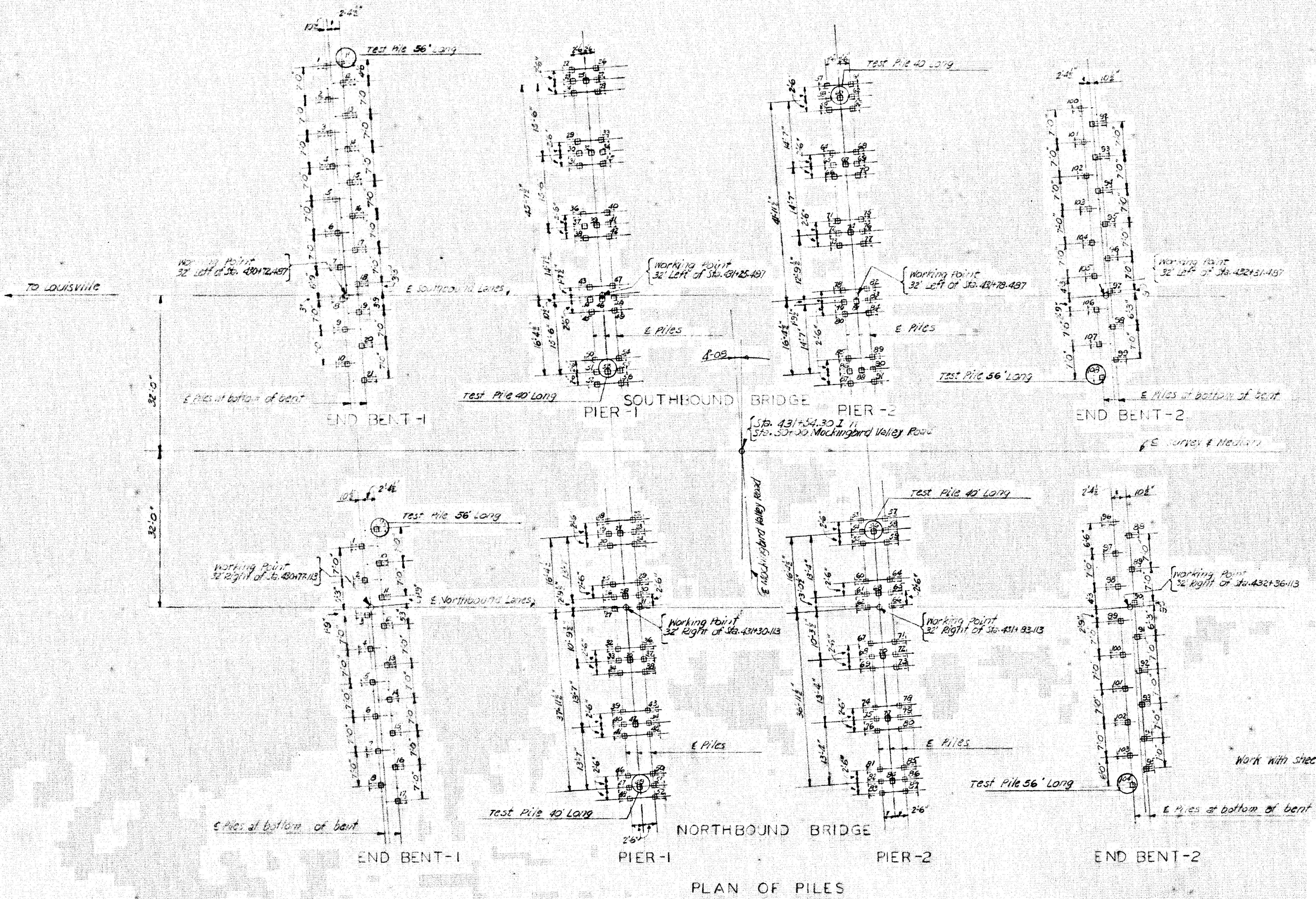
* CONCRETE CLASS "A"	45.6 CUYDS
REINFORCEMENT	2550 LBS
* Pile deduction not included	

171 Over Mockingbird Valley Rd. Sheet 2

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
JEFFERSON
LOUISVILLE - COVINGTON

ROAD
 STATION 431 + 54.30 TO 71 =
 BRIDGE NUMBER 50+00.0 Mockingbird Valley Rd. PROJECT NO. 16155

END BENT 2
NORTHBOUND BRIDGE



PILE LAYOUT

SHEET 13

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
JEFFERSON
LOUISVILLE - COVINGTON

43+54.30 7-11- ROAD
STATION 5100 Mockingbird Valley Rd **PROJECT NO.**

BRIDGE NUMBER	DRAWING NO.	DATE
	16/55	

DESIGNED BY	CHECKED BY
DATE	DATE
BY	BY
DATE	DATE
BY	BY
DATE	DATE
BY	BY
DATE	DATE

DESIGNED BY	CHECKED BY	DATE	REVISED	DATE
BY <i>Eng. J. H. Smith</i>	BY <i>J. H. Smith</i>	10/1/55		
DRAWN BY	CHECKED BY	DATE	REVISED	DATE

PILE RECORD - SOUTHBOUND BRIDGE					PILE RECORD - NORTHBOUND BRIDGE				
PILE NO.	CUT OFF ELEV. AS SHOWN ON PLANS	TIP OF PILE ELEVATION AS DRIVEN	LENGTH OF PILE IN PLACE LIN. FT.	CALCULATED BEARING CAPACITY TONS	PILE NO.	CUT OFF ELEV. AS SHOWN ON PLANS	TIP OF PILE ELEVATION AS DRIVEN	LENGTH OF PILE IN PLACE LIN. FT.	CALCULATED BEARING CAPACITY TONS
END BENT NO. 1					END BENT NO. 1				
1					1				
2					2				
3					3				
4					4				
5					5				
6					6				
7					7				
8					8				
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T.P.					T.P.				
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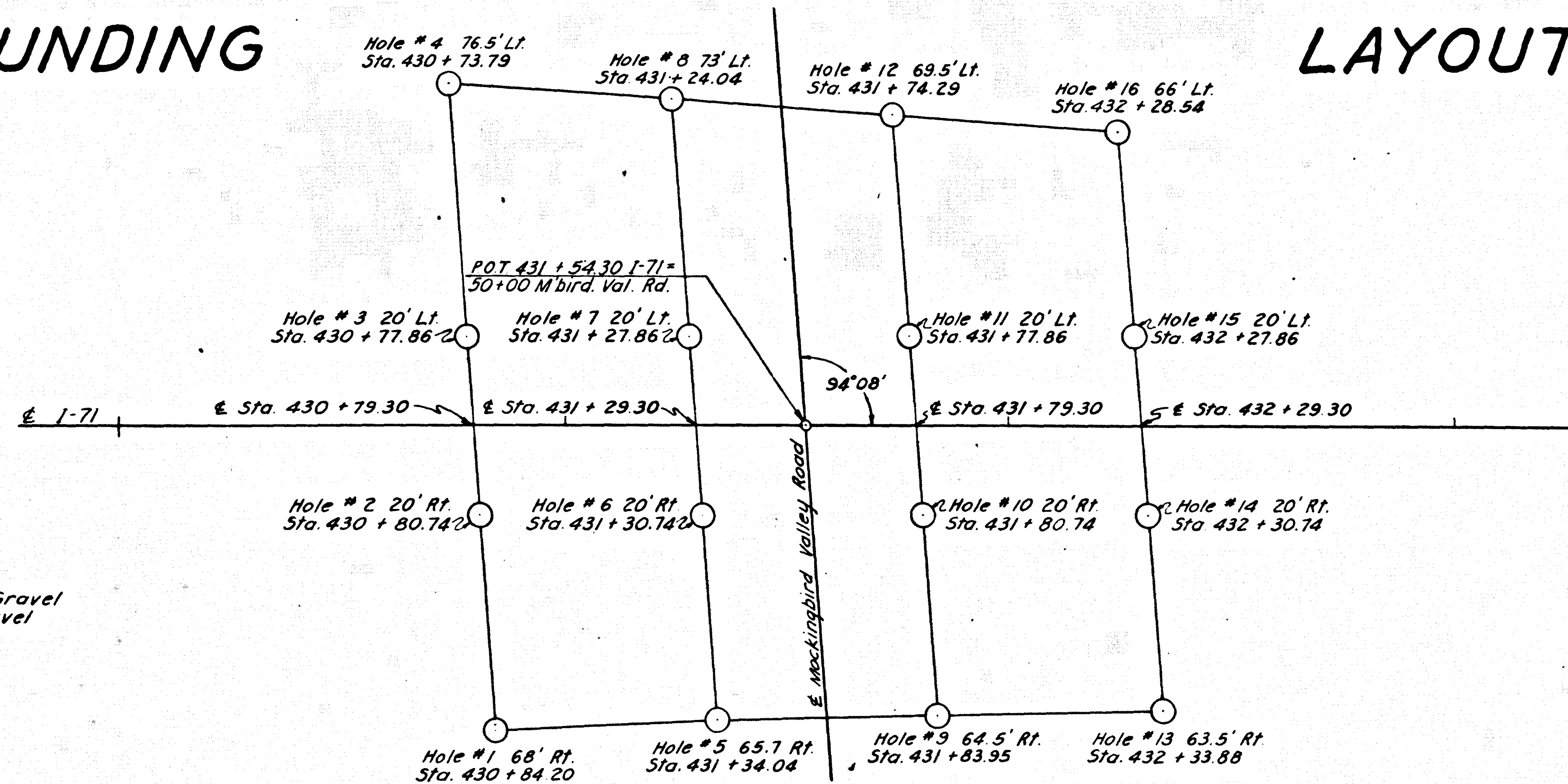
FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	10	

SOUNDING

LAYOUT

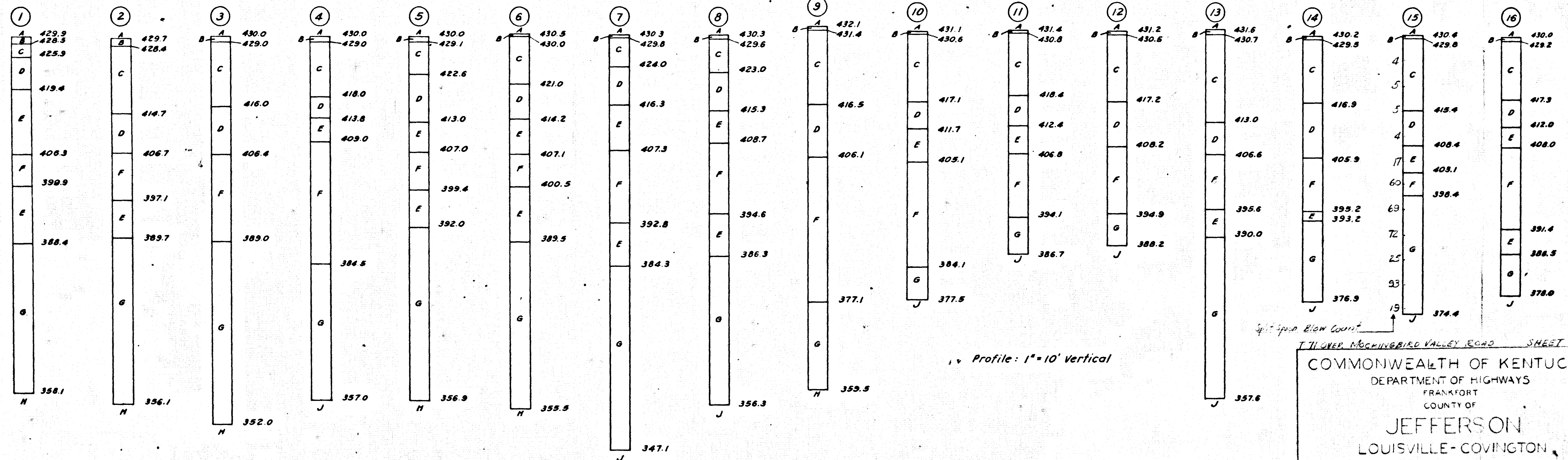
LEGEND:

- A = Ground Elevation
 B = Top Soil
 C = Yellow Sandy Clay
 D = Blue Sandy Clay
 E = Brown Sand
 F = Brown Sand & Coarse Gravel
 G = Brown Sand & Fine Gravel
 H = Limestone
 J = No Rock



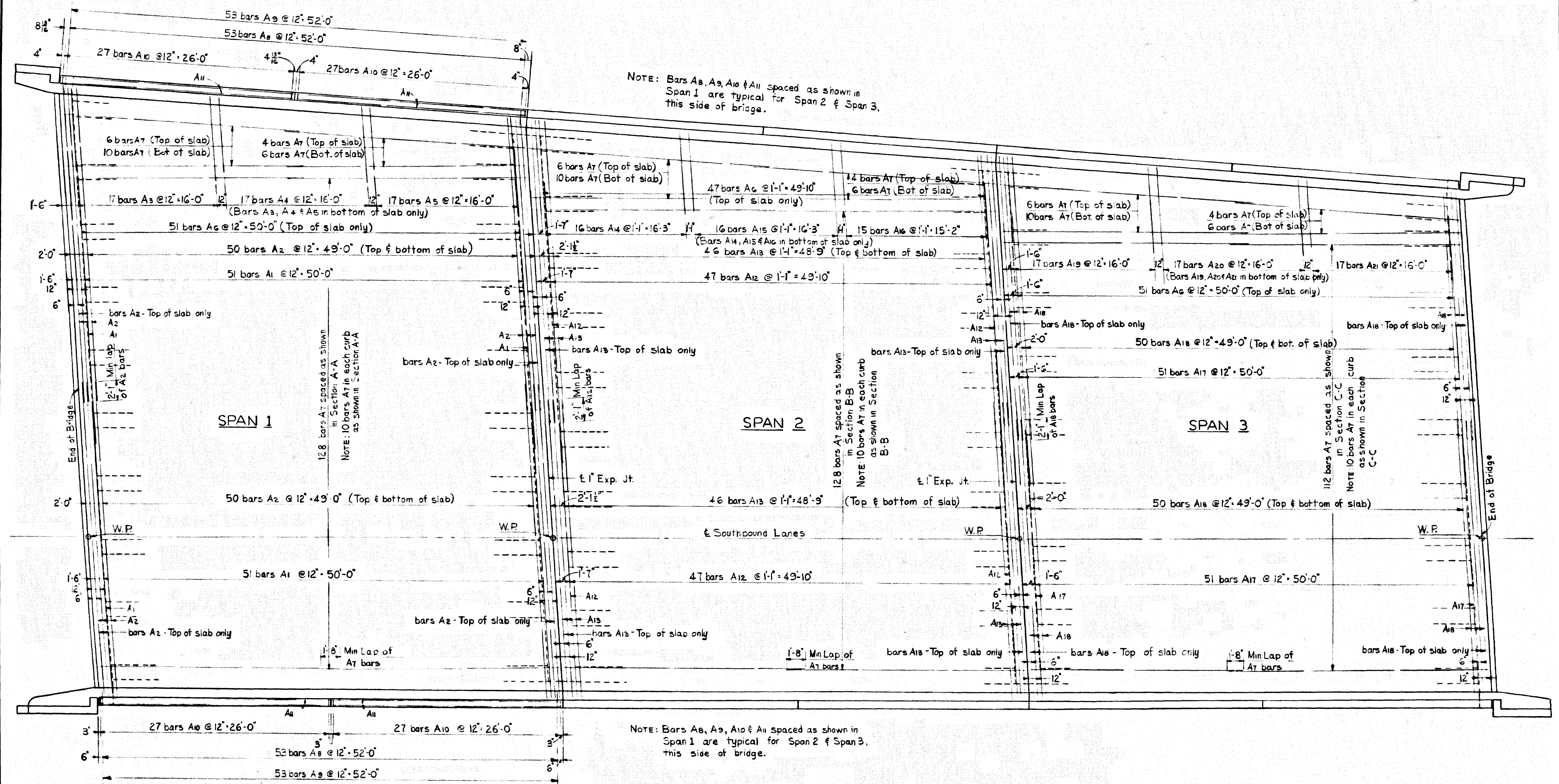
Plan: 1" = 20'

I-71 & MOCKINGBIRD VALLEY ROAD
S.P. 56-313-L



COMMONWEALTH OF KENTUCKY
 DEPARTMENT OF HIGHWAYS
 FRANKFORT
 COUNTY OF
 JEFFERSON
 LOUISVILLE-COVINGTON

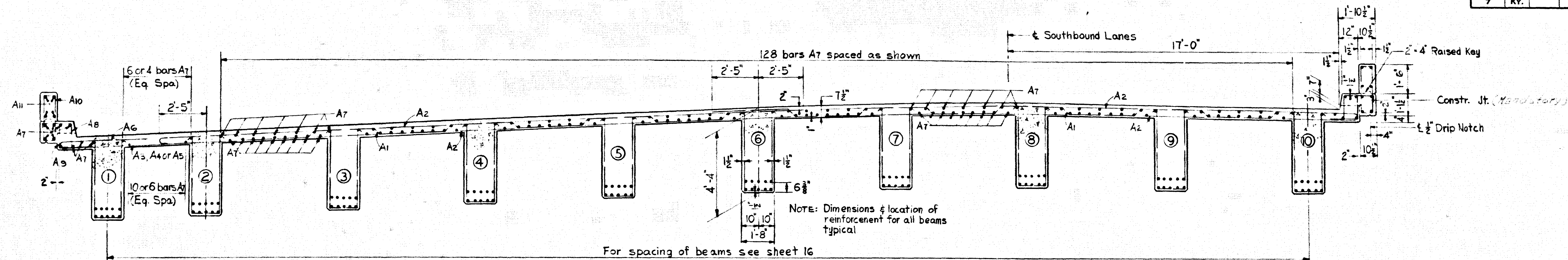
STATION 431+54.30 I-71
 16155



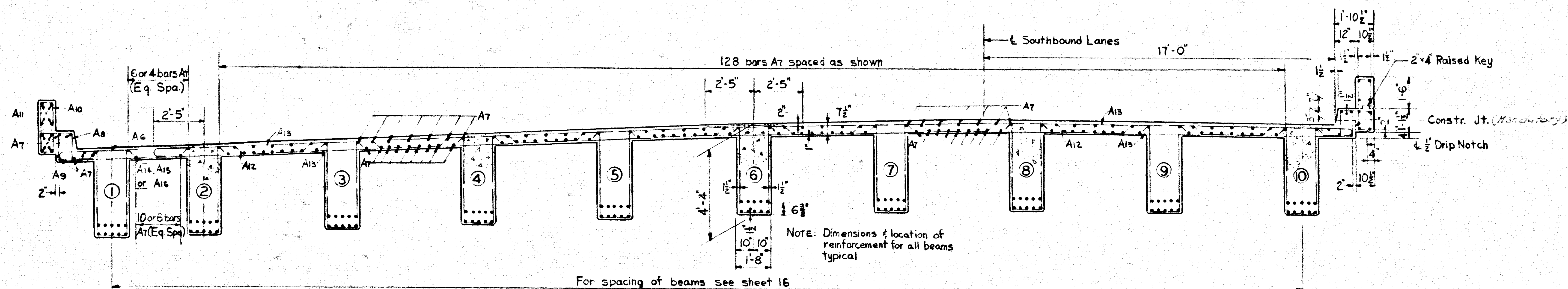
PLAN
(Showing Reinforcement Only)

SLAB DETAILS
SOUTHBOUND BRIDGE

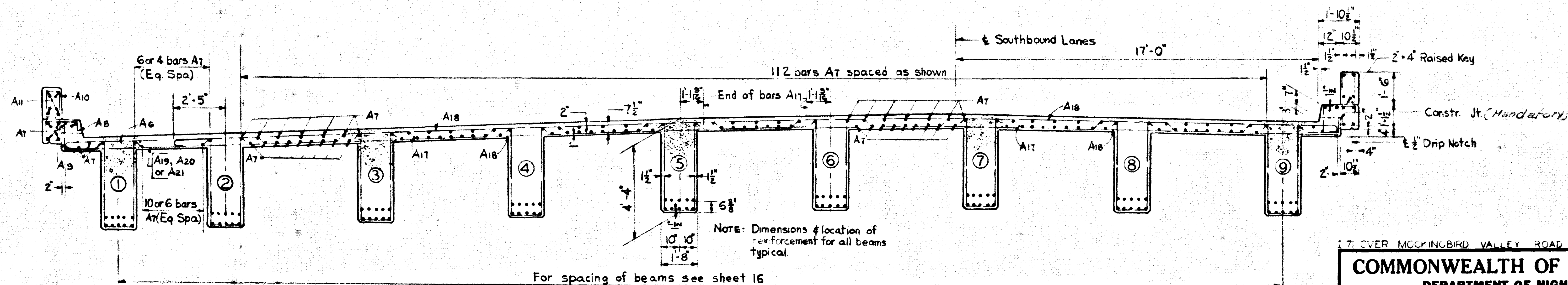
1-71 OVER MUCKINGBIRD VALLEY ROAD		SHEET 17
COMMONWEALTH OF KENTUCKY		
DEPARTMENT OF HIGHWAYS		
FRANKFORT		
COUNTY OF		
JEFFERSON		
LOUISVILLE-COVINGTON		
ROAD		
STATION 431+54.30 I-71	PROJECT NO.	
BRIDGE NUMBER	DRAWN	DATE
	NO. 12/55	



SECTION A-A



SECTION B-B



SECTION C-C

NOTE: Place 10 bars A7 in each curb as shown in Sections A-A, B-B & C-C.

NOTE: For numbering of beam bars see sheet 20

NOTE: All sections are taken from sheet 16

REVISIONS

NO.	DATE	BY	REASON
1			
2			
3			
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18			
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20			

DESIGNED BY: STUART & BROWN

CHECKED BY: C. M. G. (C. M. G.)

DATE: 11/15/55

TRACED BY:

SLAB DETAILS
SOUTHBOUND BRIDGE

171 OVER MOCKINGBIRD VALLEY ROAD SHEET 1-2

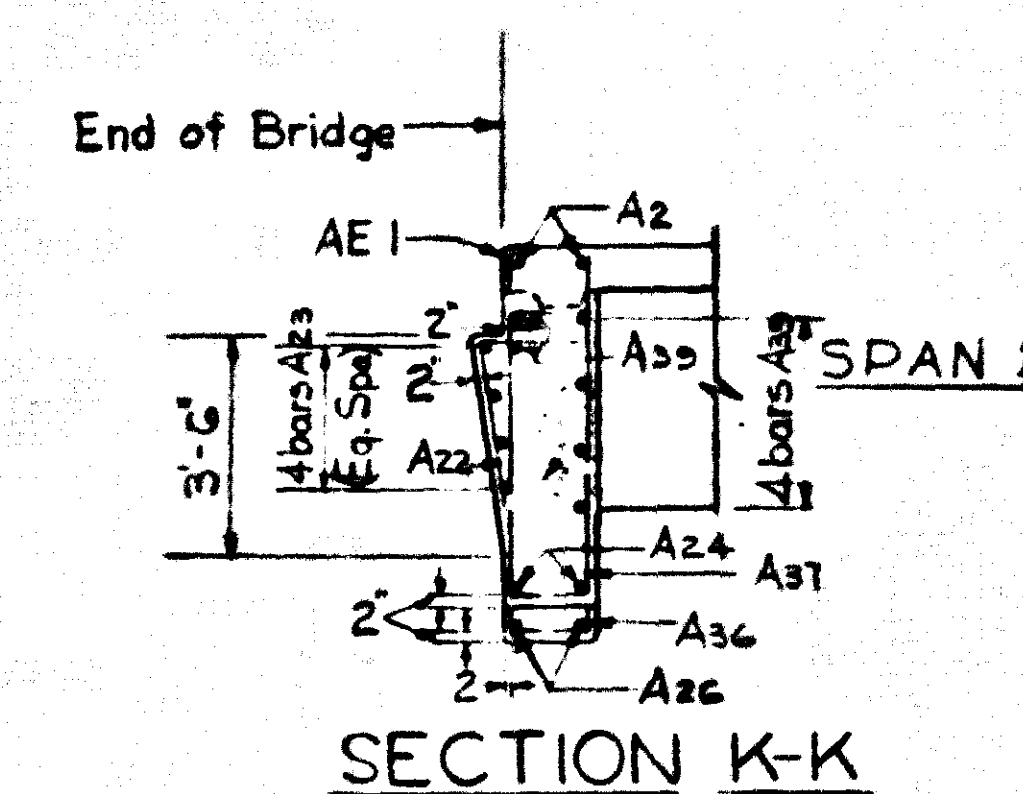
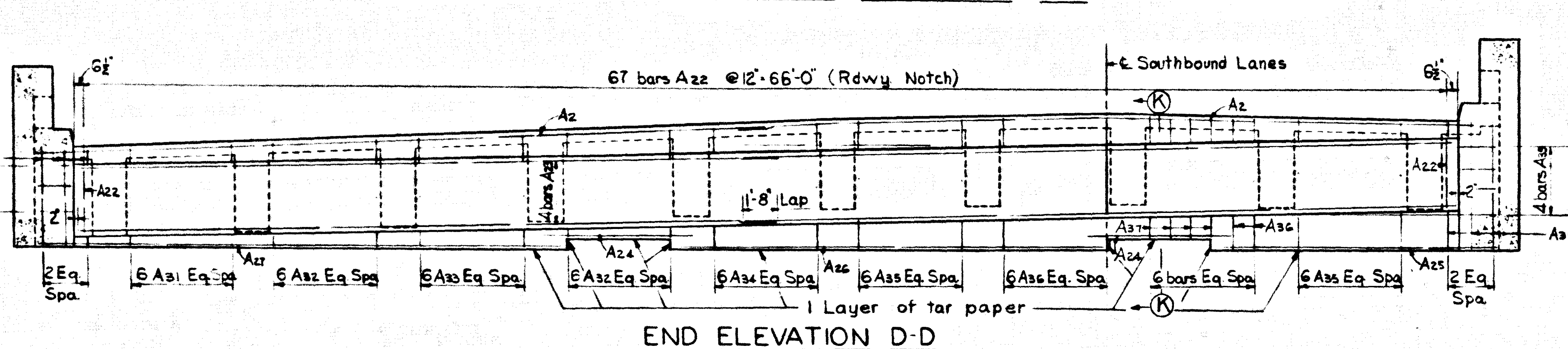
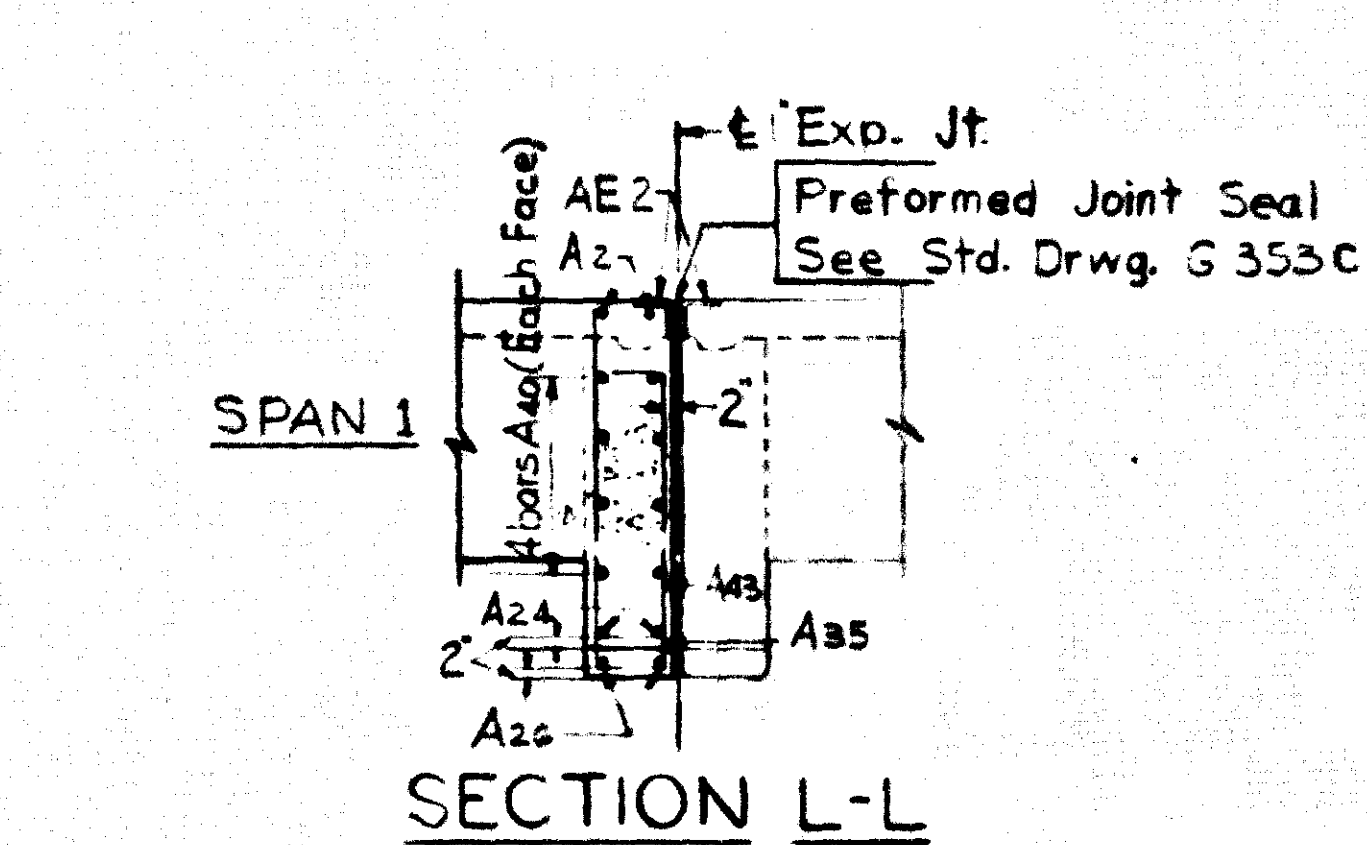
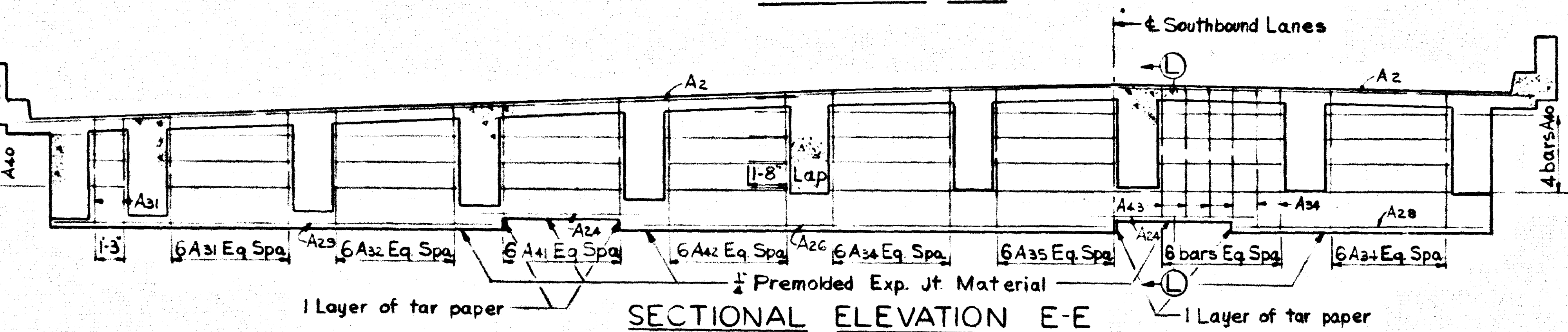
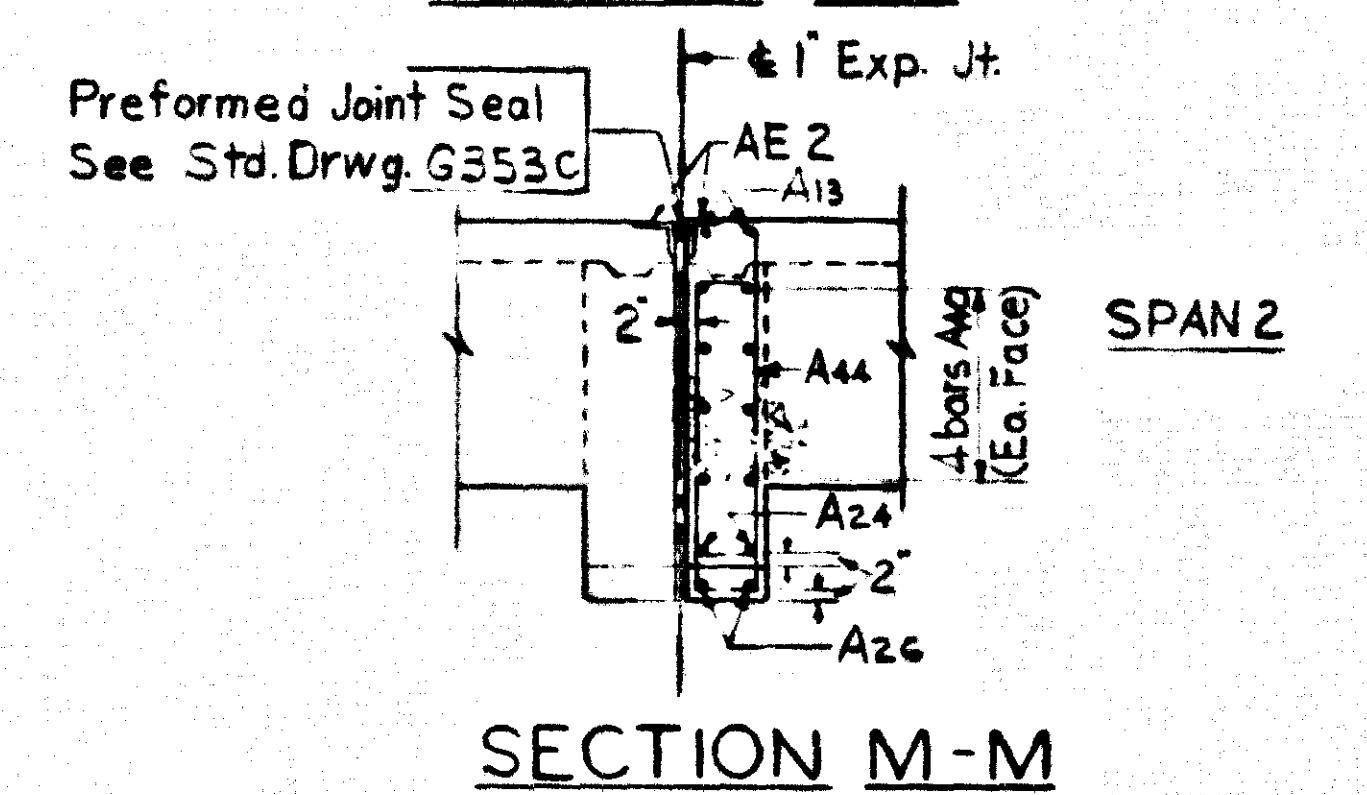
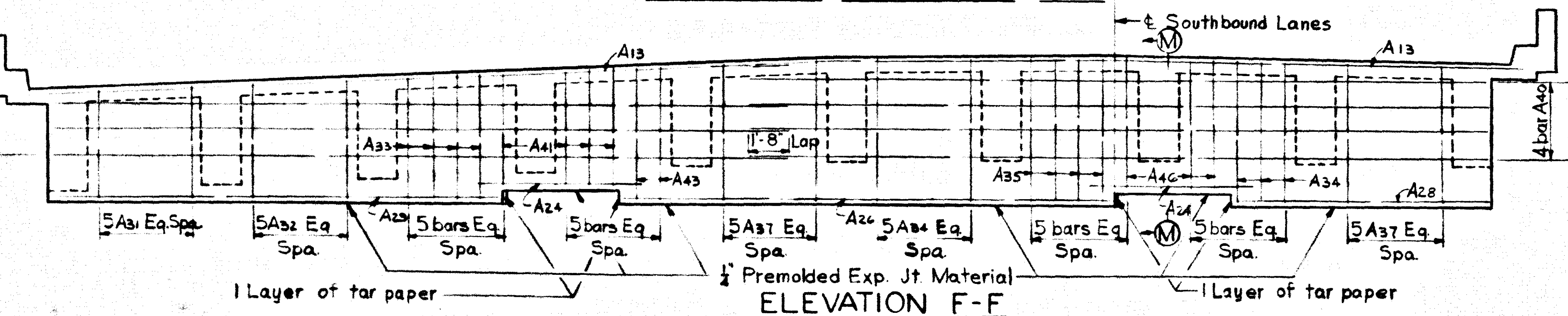
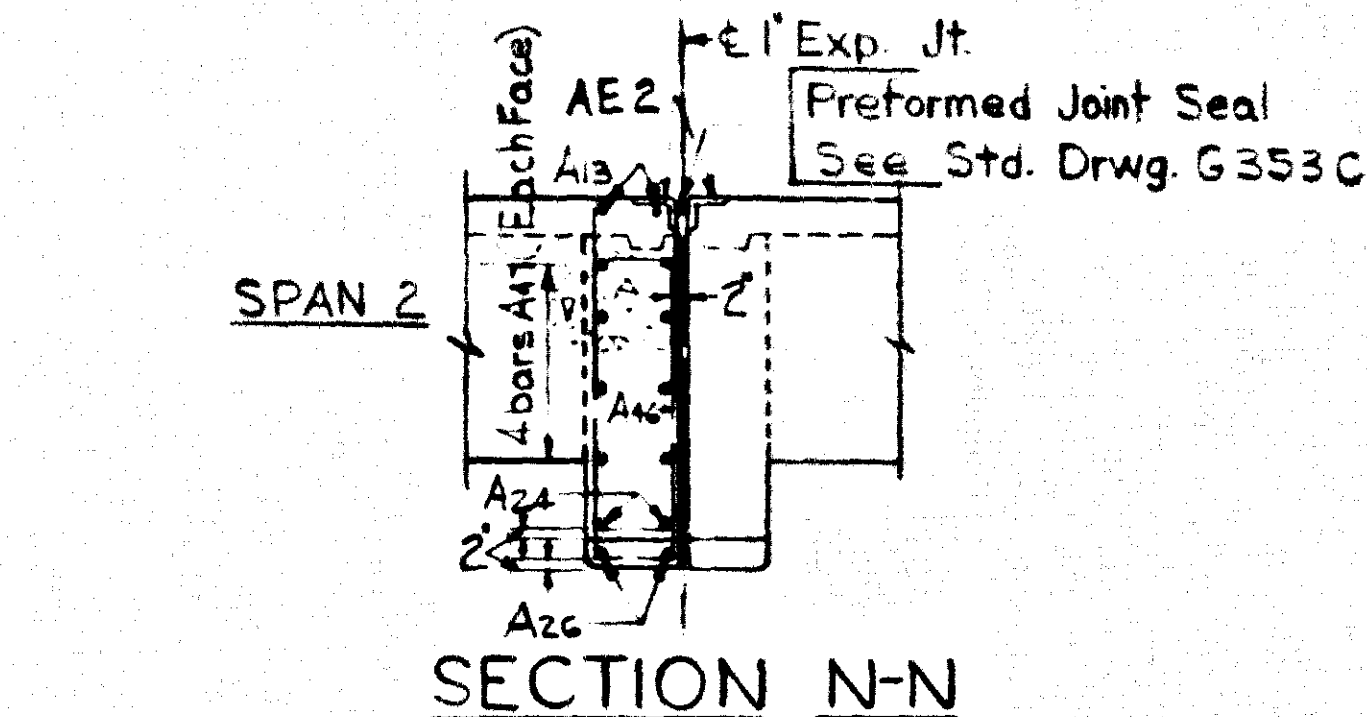
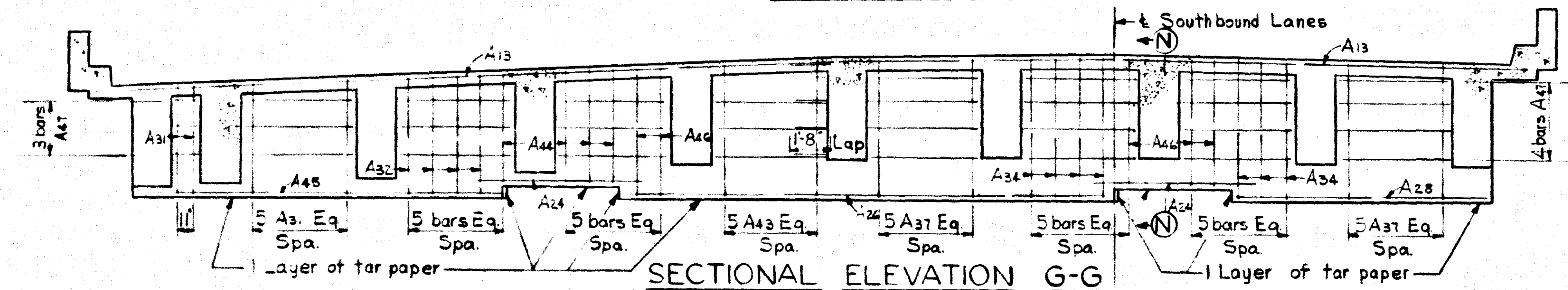
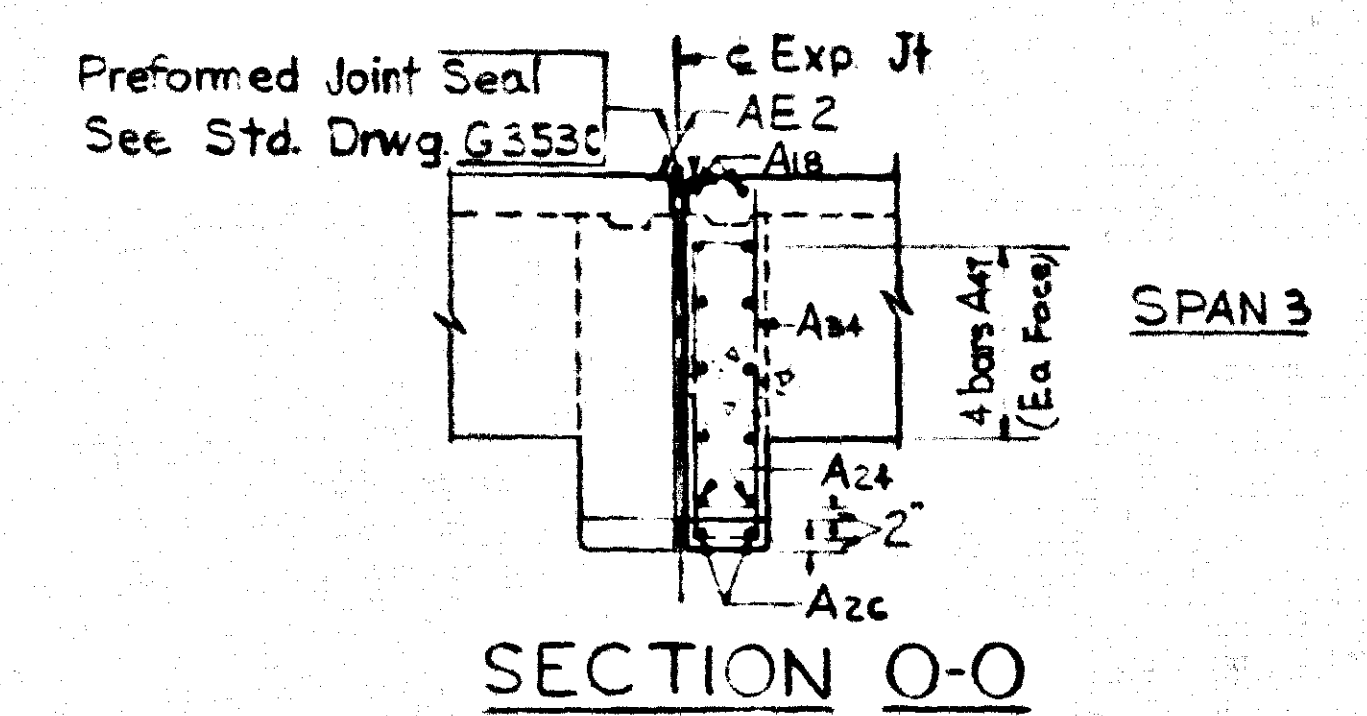
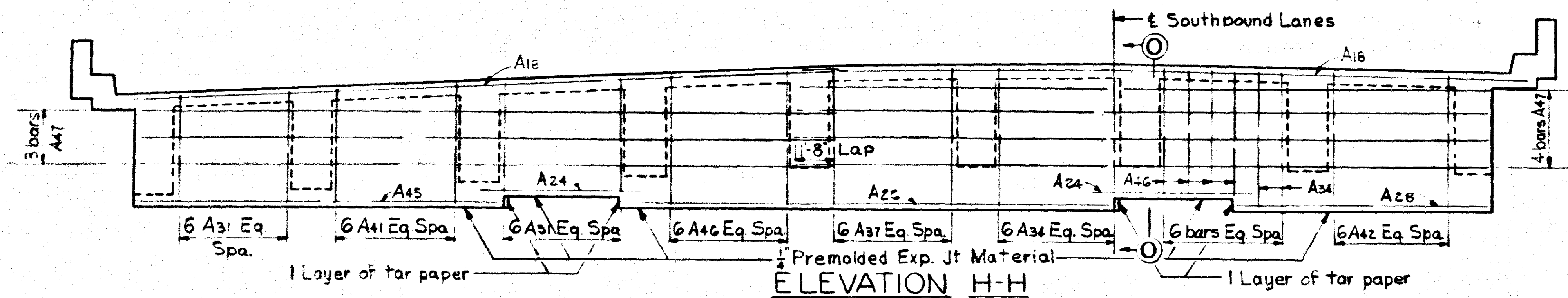
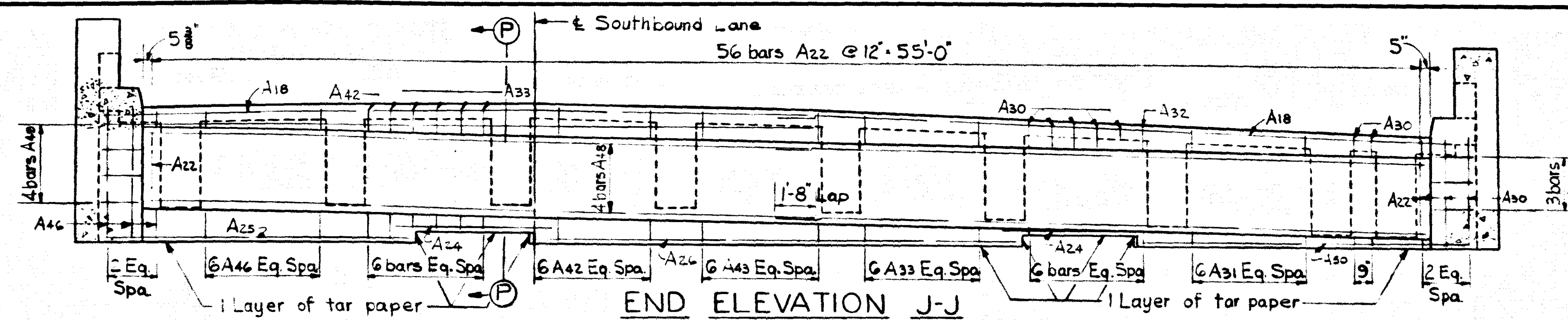
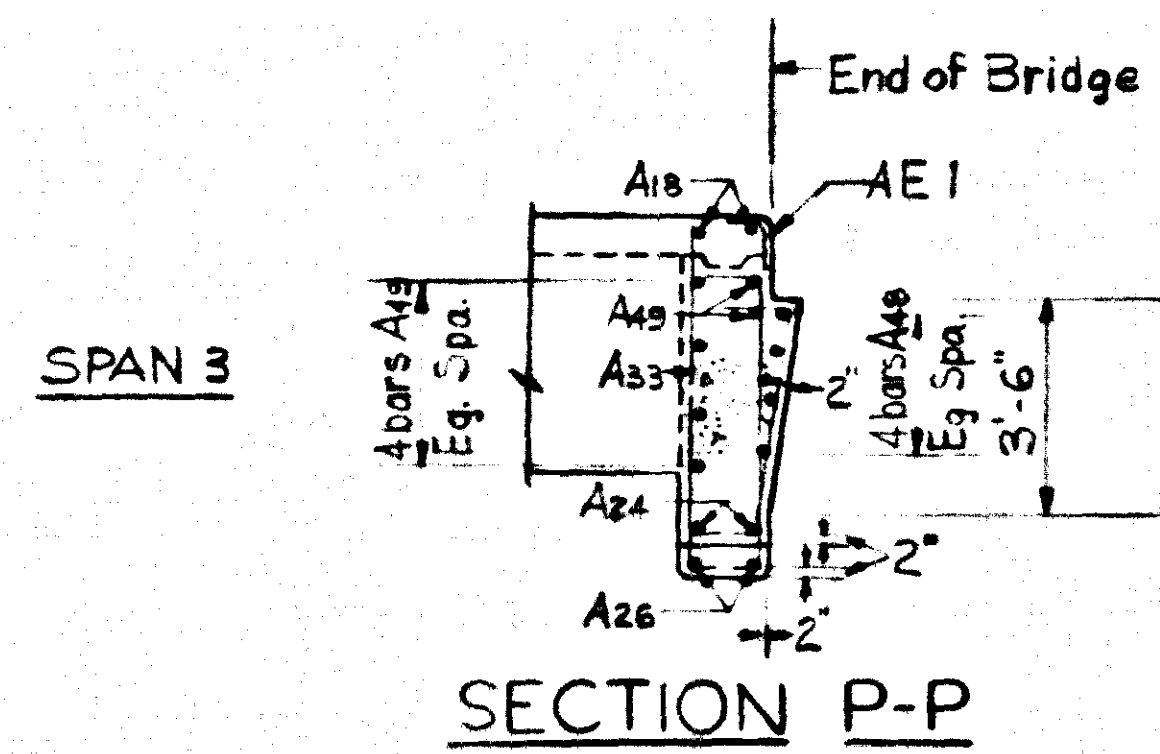
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF

JEFFERSON
LOUISVILLE - COVINGTON
ROAD

STATION 431+54.30 1-71
50+00 MOCKINGBIRD VALLEY RD PROJECT NO.

BRIDGE NUMBER

NO. 1-155



NOTE: All elevations & sectional elevations are taken from sheet 16

ENDWALL DETAILS SOUTHBOUND BRIDGE

I-71 OVER MOCKINGBIRD VALLEY ROAD SHEET

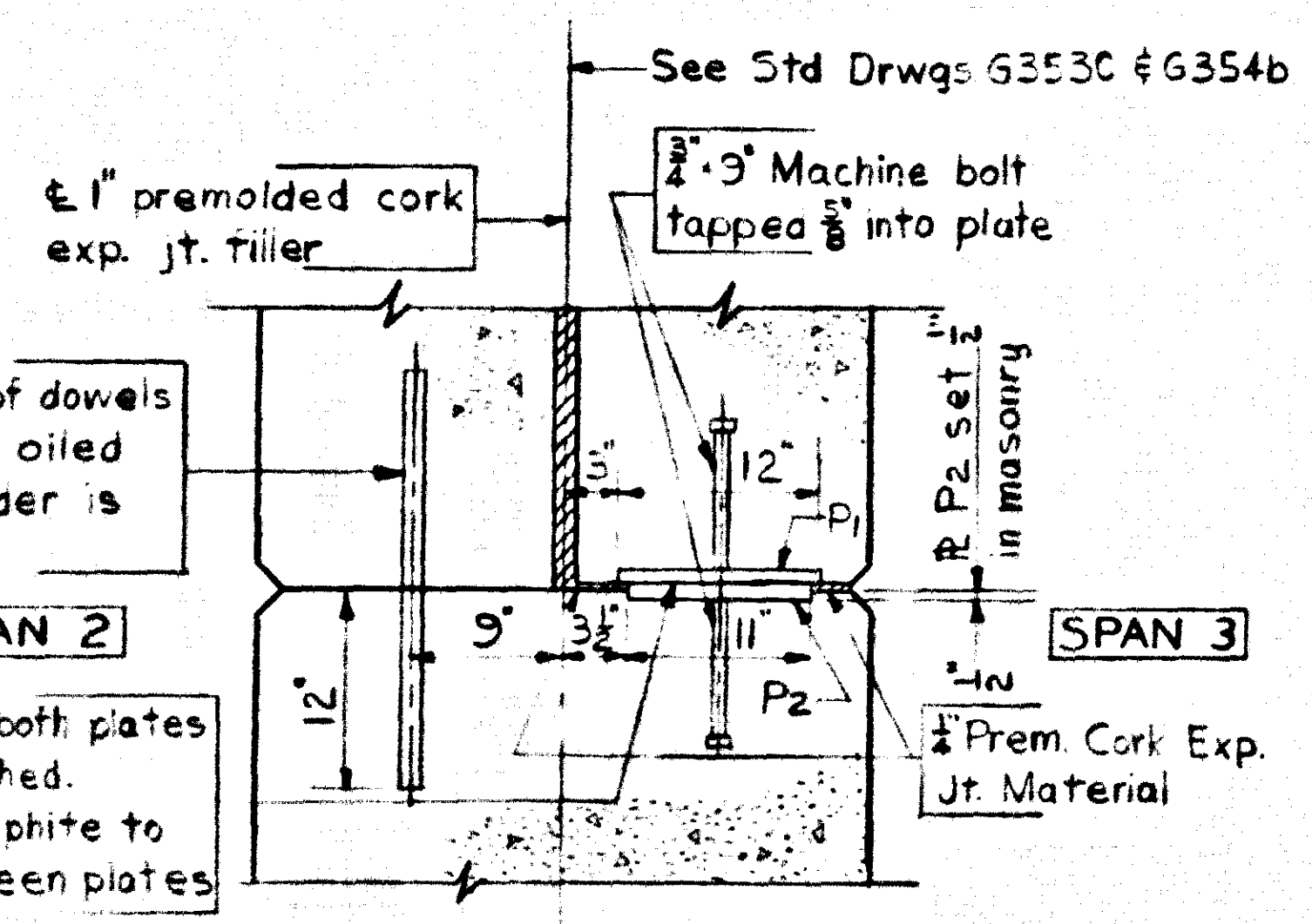
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
JEFFERSON
LOUISVILLE-COVINGTON
ROAD

431+54.30 I-71
STATION 50+00 MOCKINGBIRD VALLEY Rd PROJECT NO.
BRIDGE NUMBER
NO. 16/55

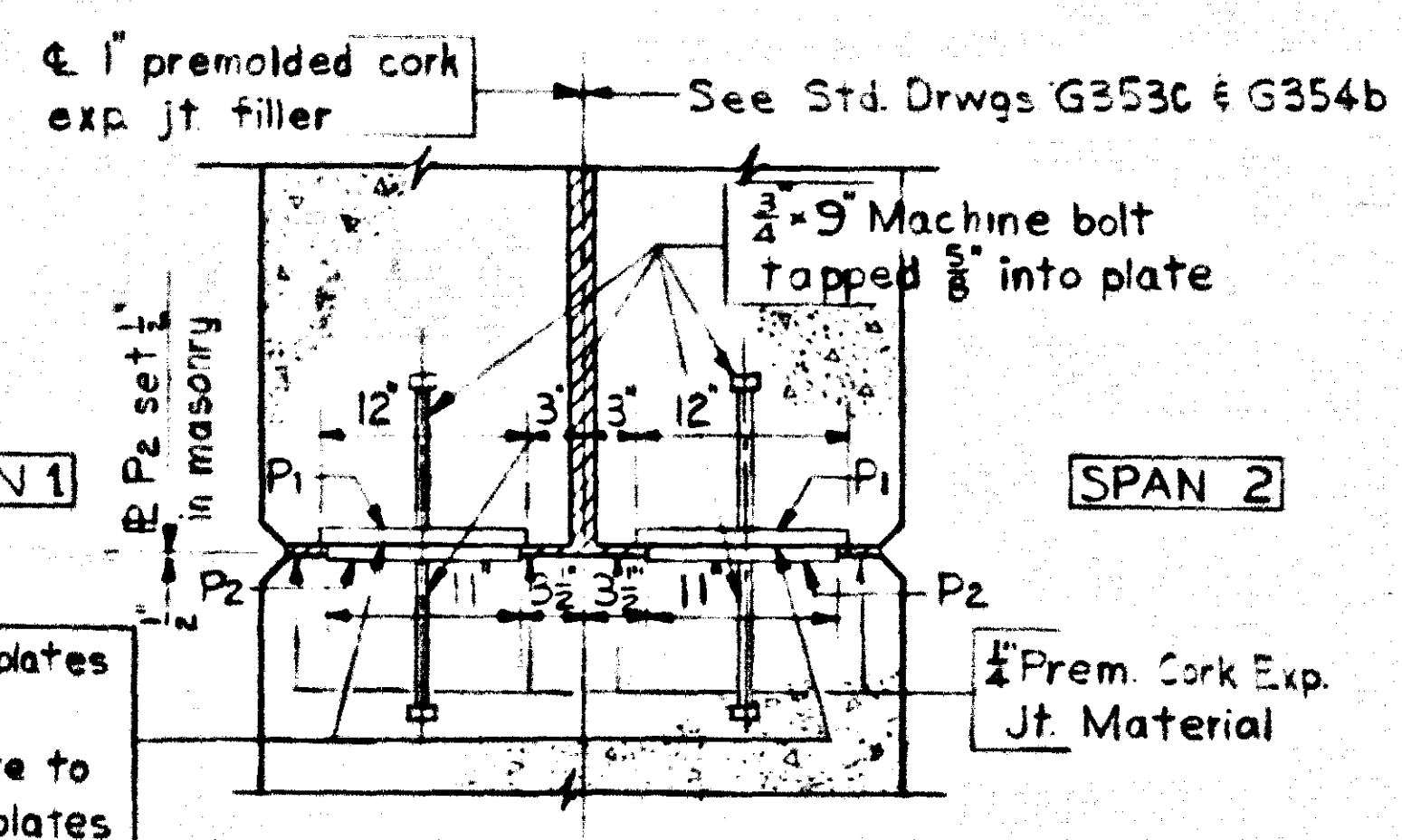
DESIGNED BY: STUART J. RYAN, CHECKED BY: E. L. Mc. DOWD, DATE: 11/1/66
REVISED BY: STUART J. RYAN, CHECKED BY: E. L. Mc. DOWD, DATE: 11/1/66
TRACED BY: STUART J. RYAN, CHECKED BY: E. L. Mc. DOWD, DATE: 11/1/66

BILL OF REINFORCEMENT

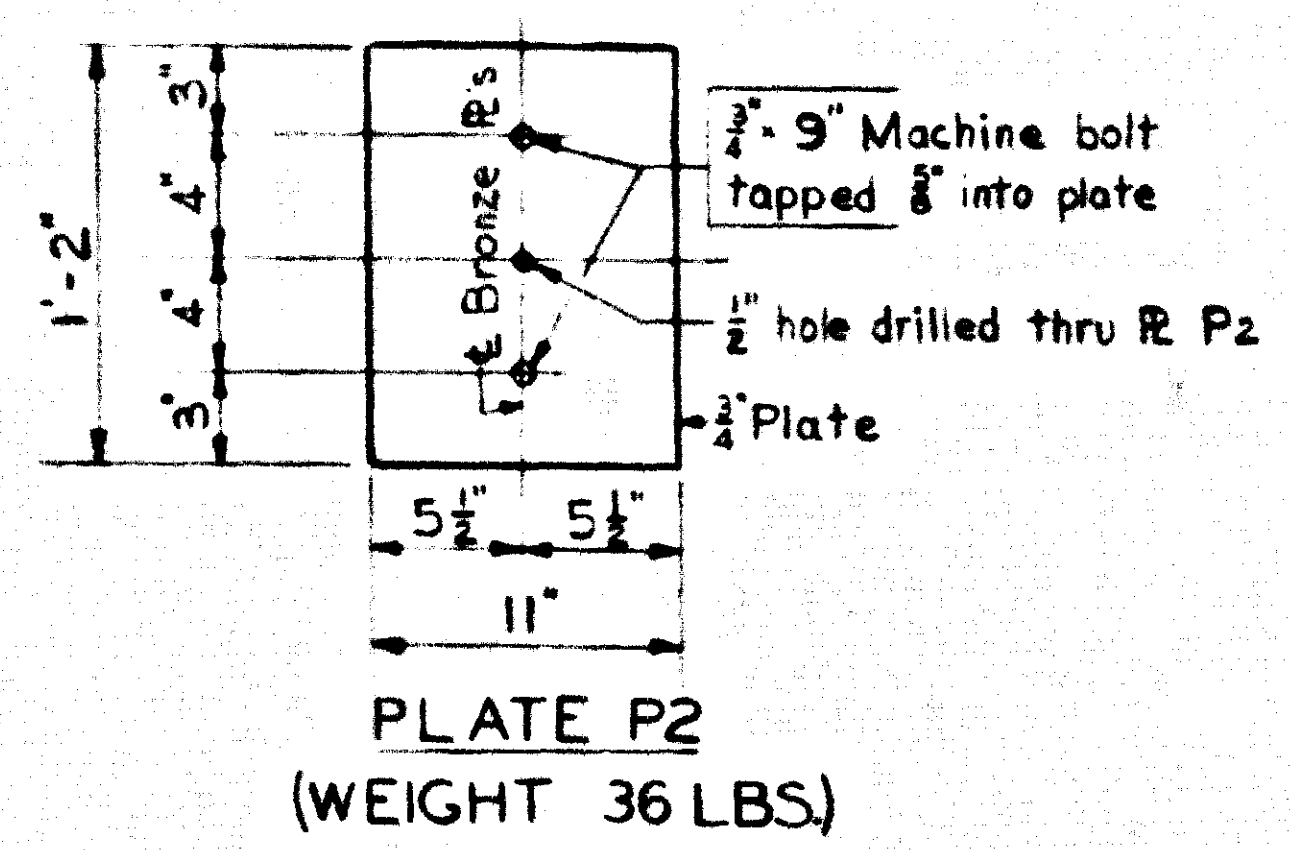
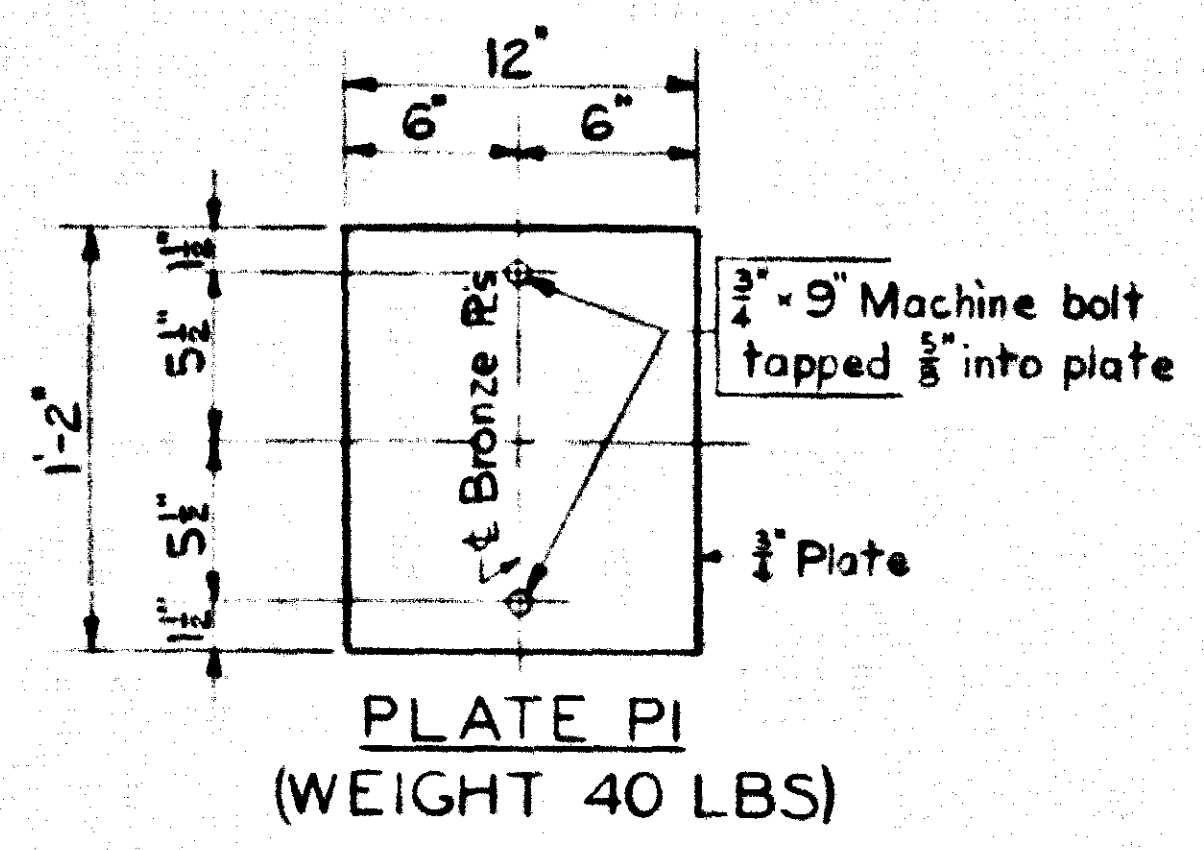
NO.	TYPE	NUMBER	SP	LENGTH	LOCATION	a	b	c	d	NO.	TYPE	NUMBER	SP	LENGTH	LOCATION	a	b	c	d
				FT IN		FT IN	FT IN	FT IN	FT IN					FT IN		FT IN	FT IN	FT IN	FT IN
A1	(1)	102	—	5 34	11 Slab					A35	(8)	18	4	4 13	0 Endwall	5	2	6	0
A2	Str	208	—	35	5					A36	—	8	—	13	4	5	4	6	2
A3	—	17	—	10	6					A37	—	4	20	6	12	4	4	10	5
A4	—	17	—	9	6					A38	—	3	—	12	10	5	1	5	11
A5	—	17	—	8	6					A39	Str	11	—	36	0				
A6	(2)	51	47	51	2	5	10 1/2	5	8	A40	Str	14	14	31	4				
A7	Str	322	322	290	4	27	4			A41	(8)	6	4	10	6	3	11	4	9
A8	(4)	106	106	106	5	4	10	Curbs		A42	—	6	—	12	2	4	9	5	7
A9	(3)	106	106	106	5	4	3			A43	—	4	7	6	12	0	4	8	5
A10	(3)	108	108	108	5	6	8	Plinth	0 7 1/2	A44	—	4	—	10	4	3	10	4	9
A11	Str	16	16	16	4	26	2			A45	Str	—	2	2	15	2			
A12	(5)	—	94	—	5	33	3	Slab		A46	(6)	—	8	13	11	8	4	6	5
A13	Str	—	192	—	33	7				A47	Str	—	14	14	29	7			
A14	—	16	—	10	0					A48	—	—	8	28	6				
A15	—	16	—	9	0					A49	—	—	11	30	6				
A16	—	15	—	8	0					A50	—	—	2	14	2				
A17	(6)	—	102	31	3					A51	(9)	2	2	2	57	3	3	44	4
A18	Str	—	208	31	8					A52	(10)	2	2	2	52	9	2	6 1/2	38
A19	—	—	17	9	9					A53	(10)	1	1	1	46	9	2	6 1/2	32
A20	—	—	17	8	9					A54	(11)	5	5	5	55	11	5	11	2
A21	—	—	17	7	9					A55	(12)	270	270	243	4	10	6		
A22	(7)	67	—	56	4	5	1	Endwall-Rdwy Notch		A56	(9)	18	18	16	11	56	10	3	13
A23	Str	8	—	34	2					A57	(10)	18	2	16	52	4	2	6 1/2	37
A24	—	8	8	8	7	0				A58	(10)	9	9	8	46	4	2	6 1/2	31
A25	—	2	—	13	4					A59	(11)	15	15	40	55	6	5	6	2
A26	—	4	4	4	20	10				A60	(10)	—	16	—	10	52	5	2	7
A27	—	2	—	25	6					L1	(3)	6	—	—	8	5			
A28	—	2	4	2	10	11				L2	(3)	6	—	—	5	7			
A29	—	2	2	—	3	4				L3	Str	4	—	—	4	9			
A30	(8)	3	—	10	9	10			3 7 4 5										
A31	—	14	12	15	10	2			3 9 4 7										
A32	—	18	9	1	10	8			4 0 4 10										
A33	—	6	4	11	11	4			4 4 5 2										
A34	—	20	15	3	12	6			4 11 5 9										



SECTION THRU PLATES ON
OF BEAM AT PIER NO. 2



SECTION THRU PLATES ON
OF BEAM AT PIER NO. 1

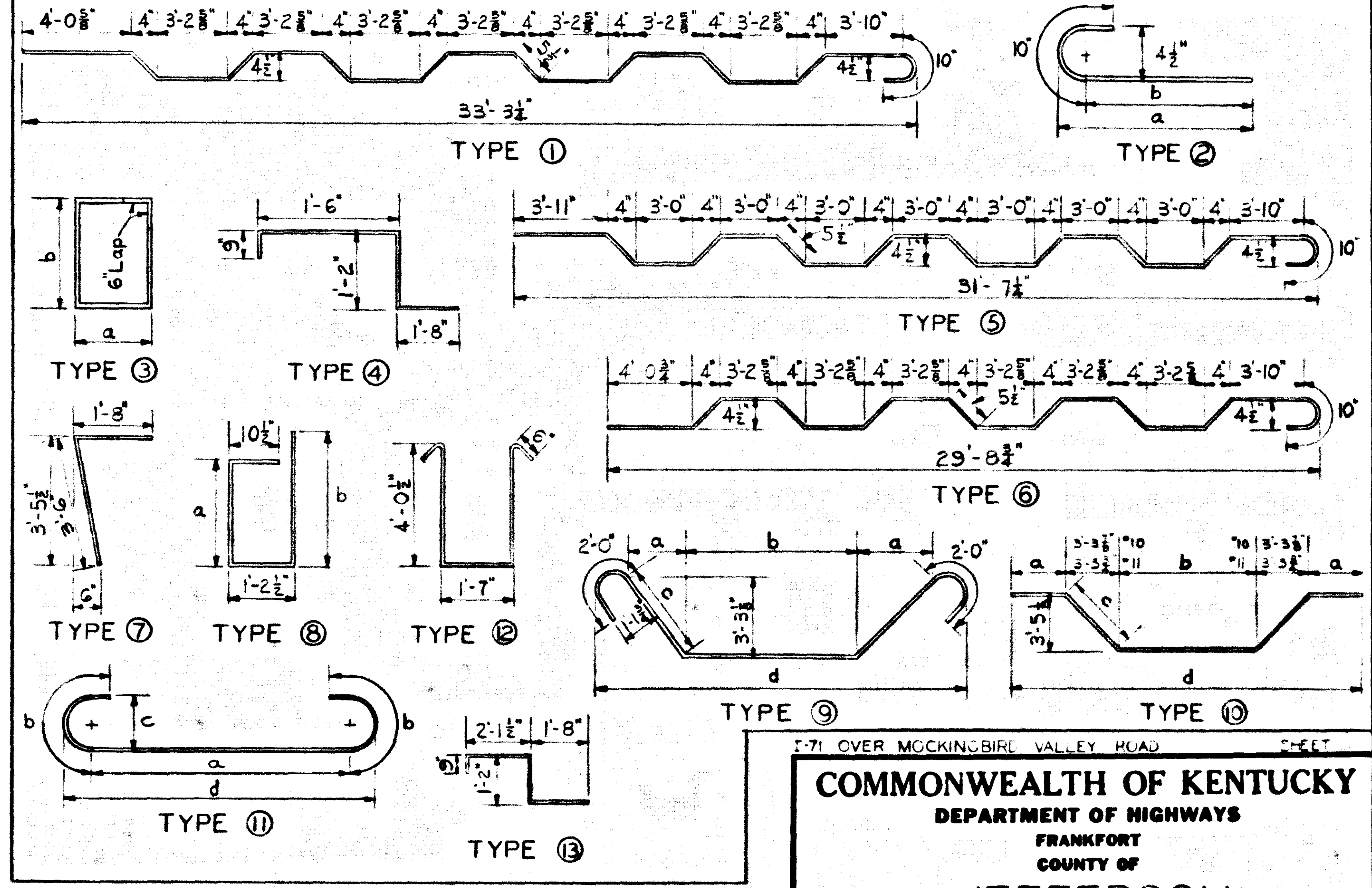


BRONZE PLATE DETAILS

All plates to be A.S.T.M., B22 class 'C' or 'B' 100 type 1 or 2 current specifications with sliding surfaces finely polished. Machine bolts to be furnished but are not included in the weight of plates given. Cost of bolts to be included in unit price bid for plates.

ESTIMATE OF QUANTITIES				
ITEM		SPAN 1	SPAN 2	SPAN 3
CONCRETE, CLASS 'A'	C.Y.	256.0	238.2	229.1
REINFORCEMENT	LBS	54,149	49,553	48,845

*Includes Wing Quantities



DETAILS SOUTHBOUND BRIDGE

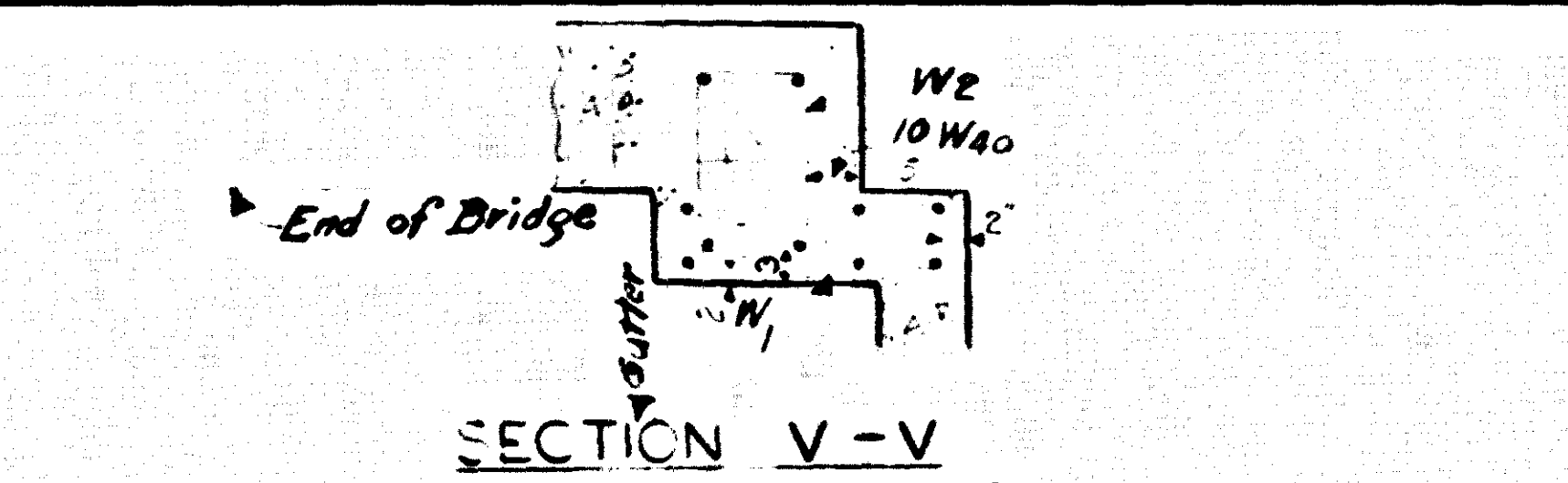
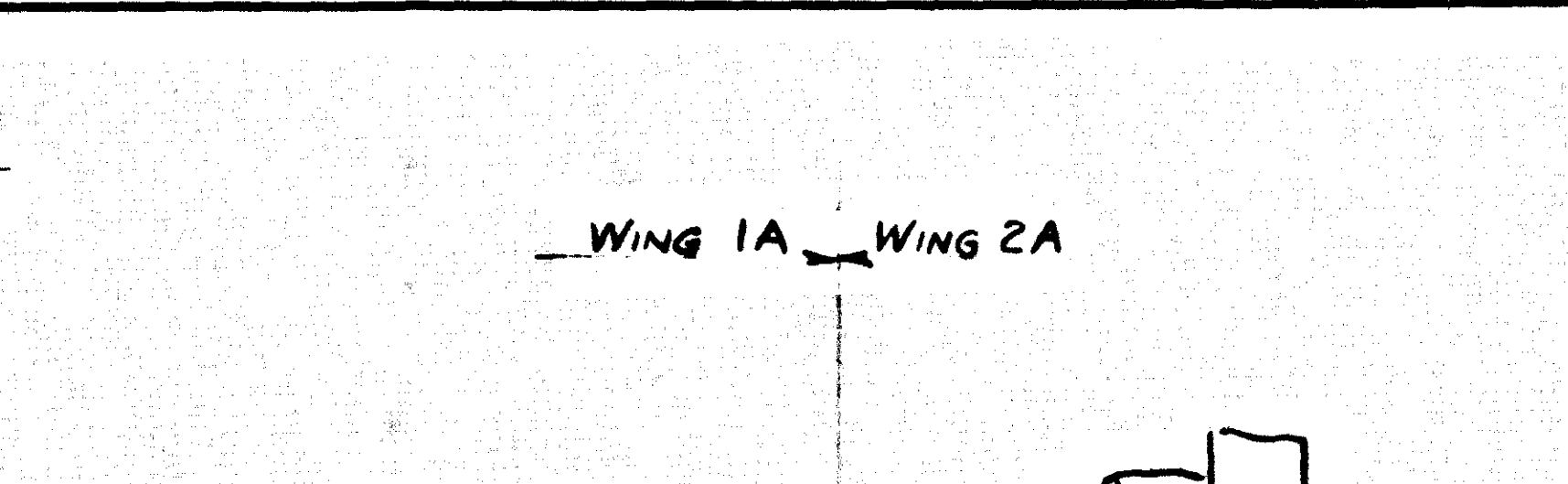
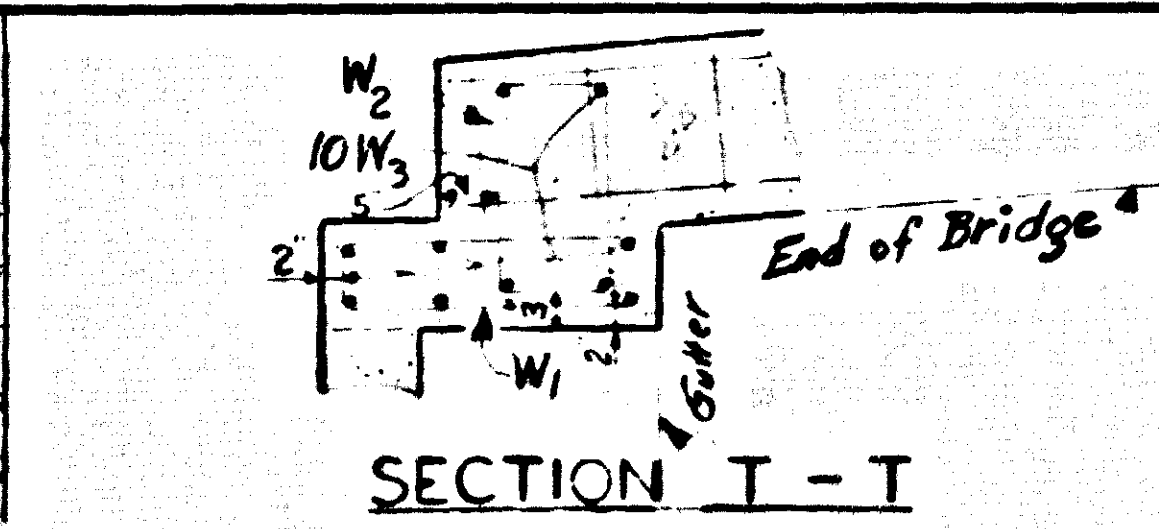
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
JEFFERSON
LOUISVILLE-COVINGTON

ROAD
 431+54.30 I-71
 STATION 50+00 Mockingbird Valley Rd. PROJECT NO.

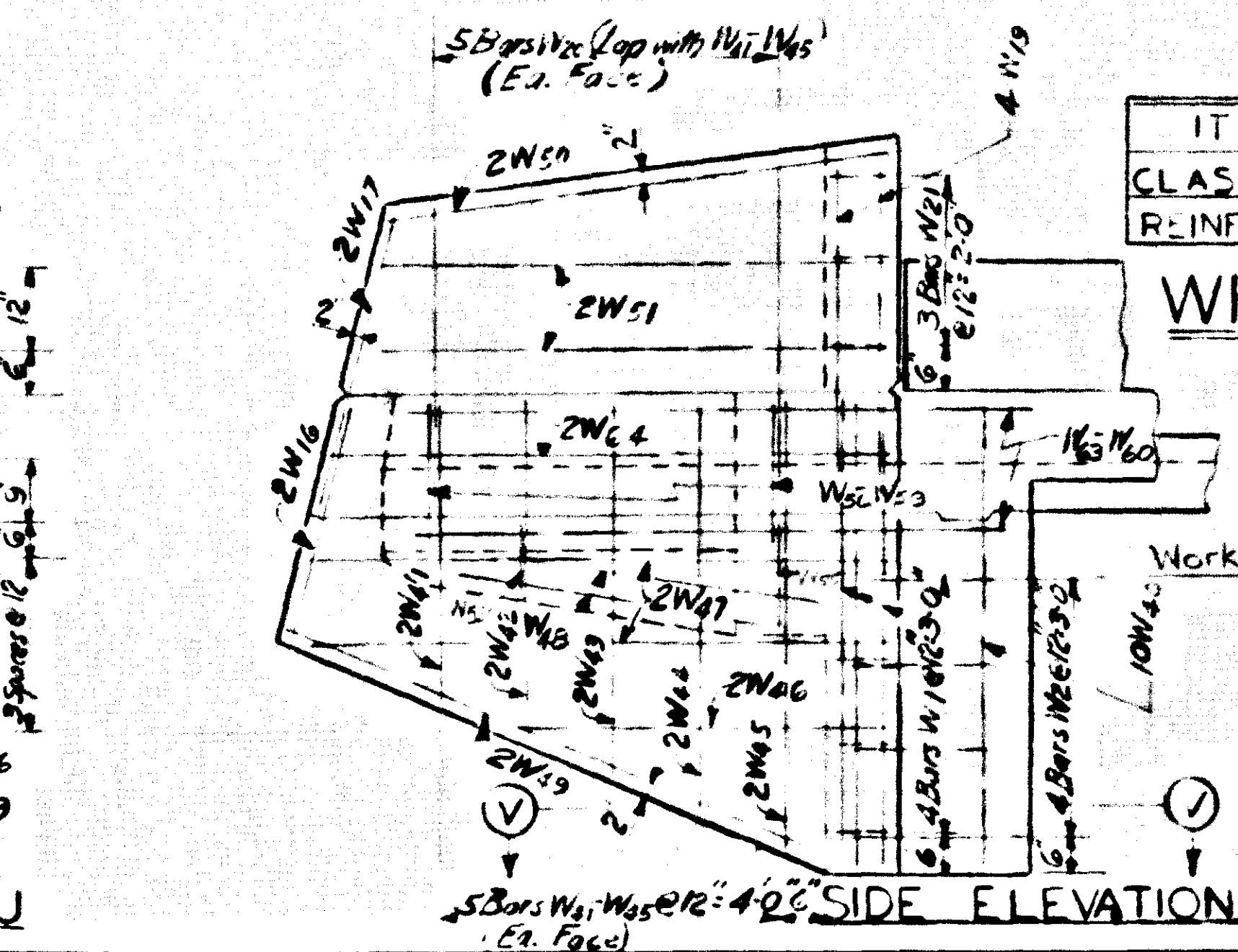
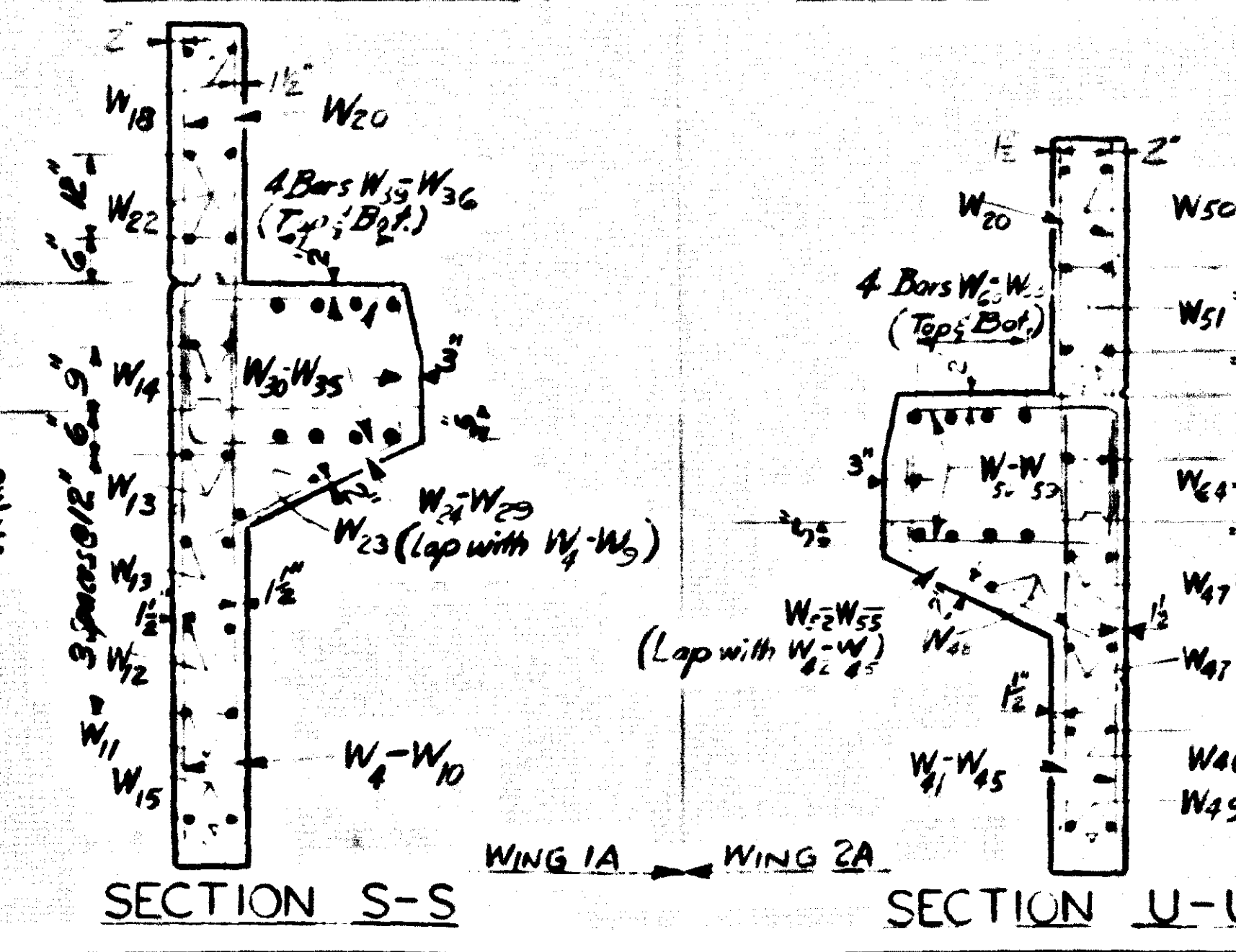
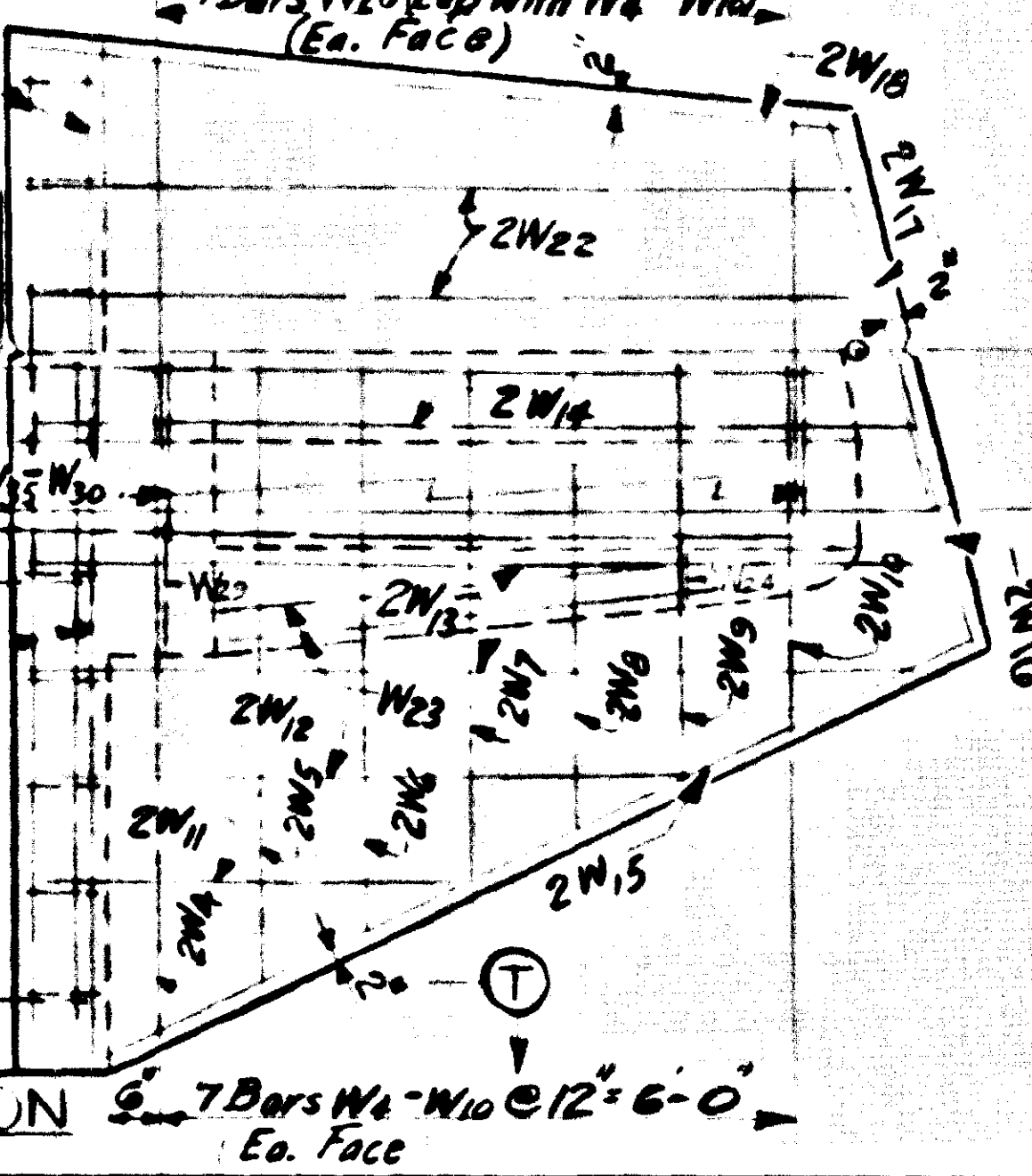
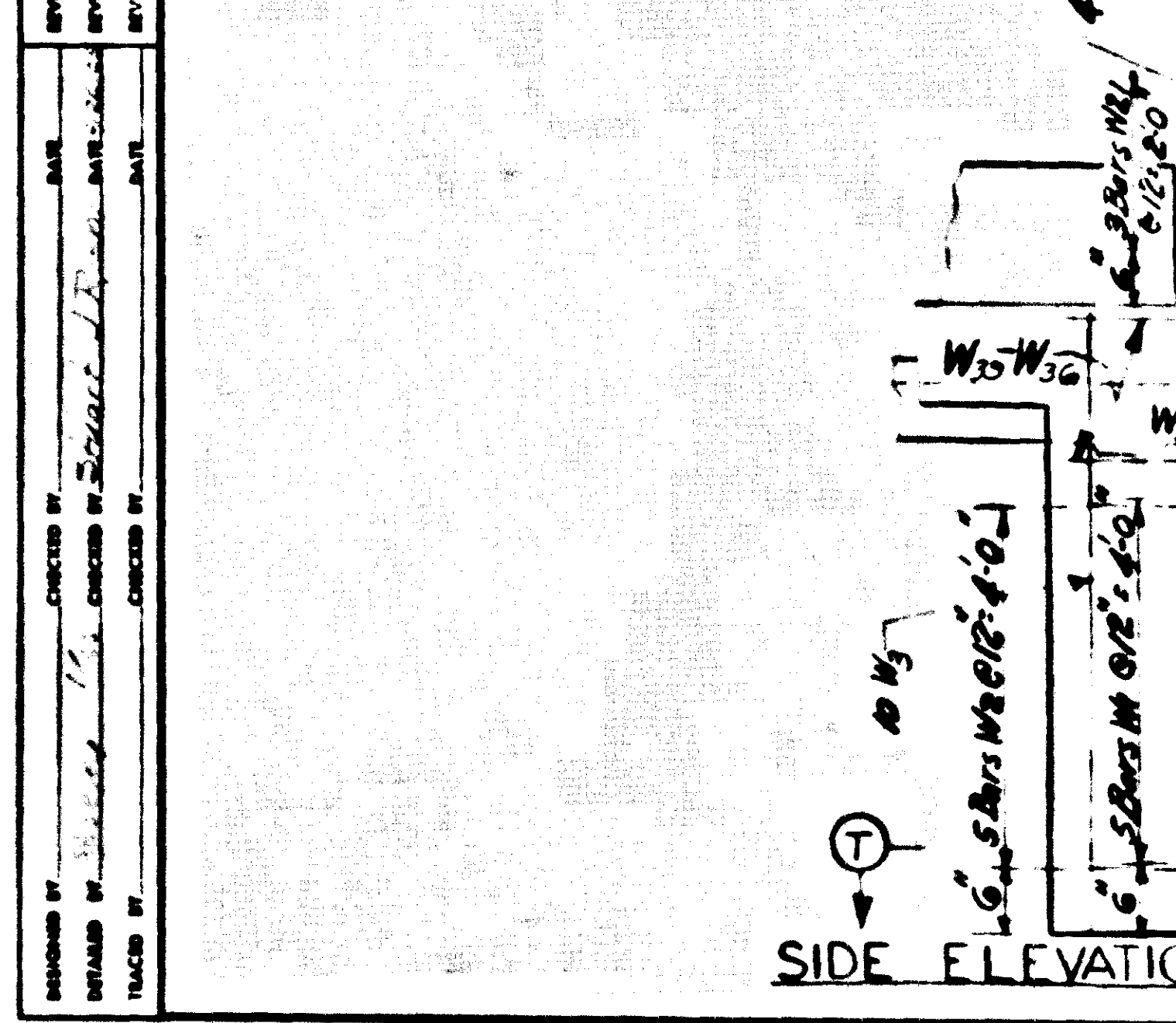
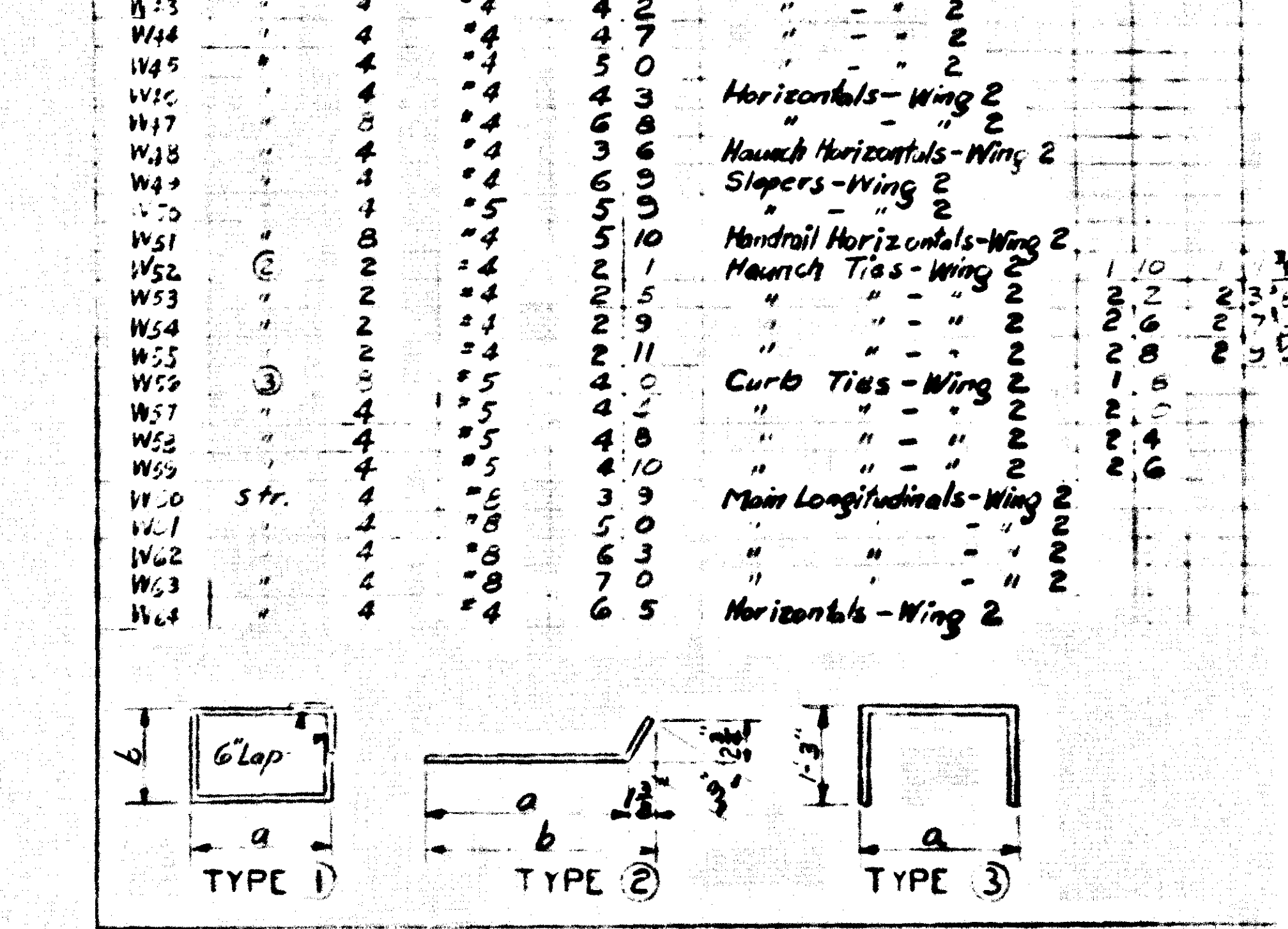
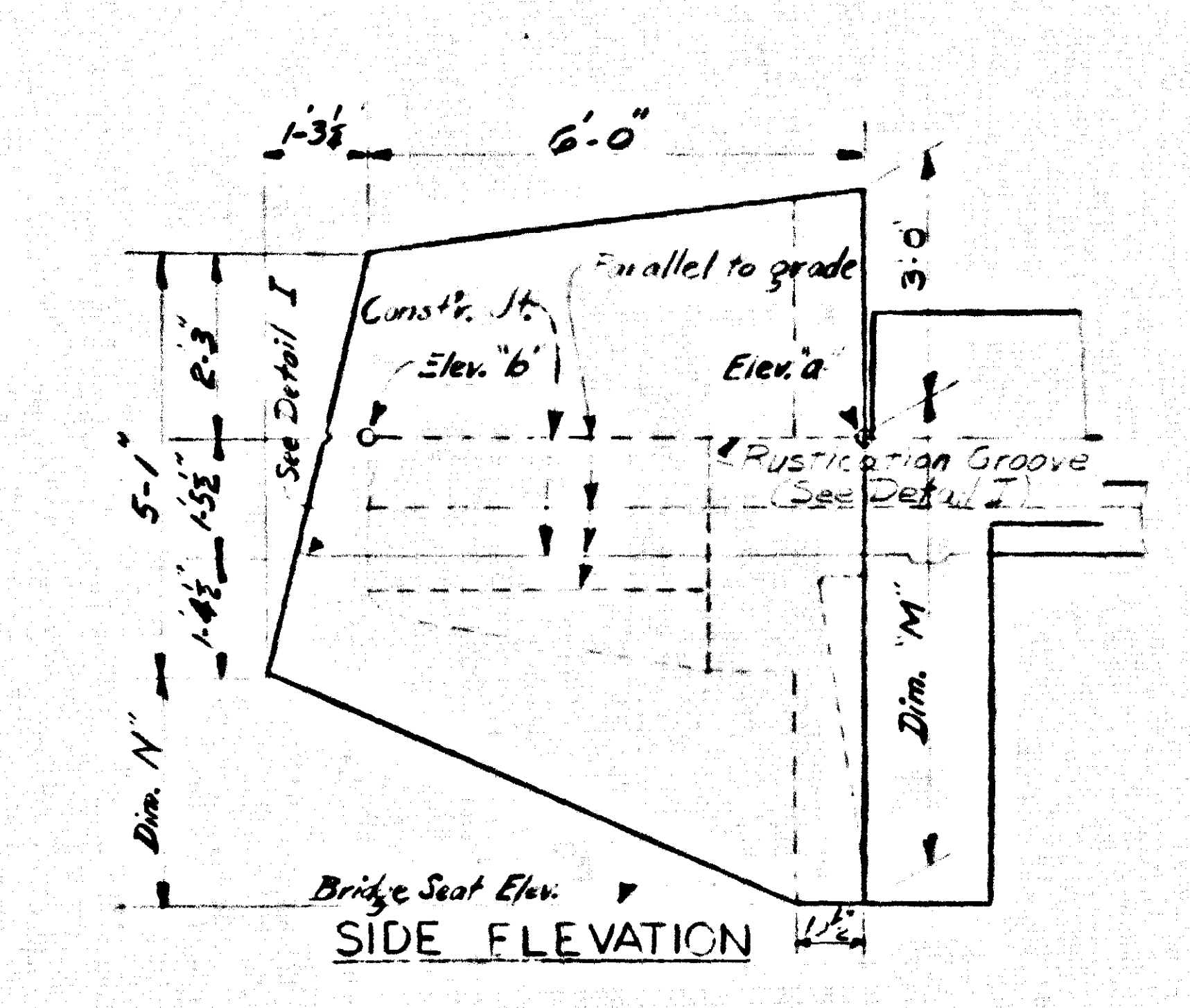
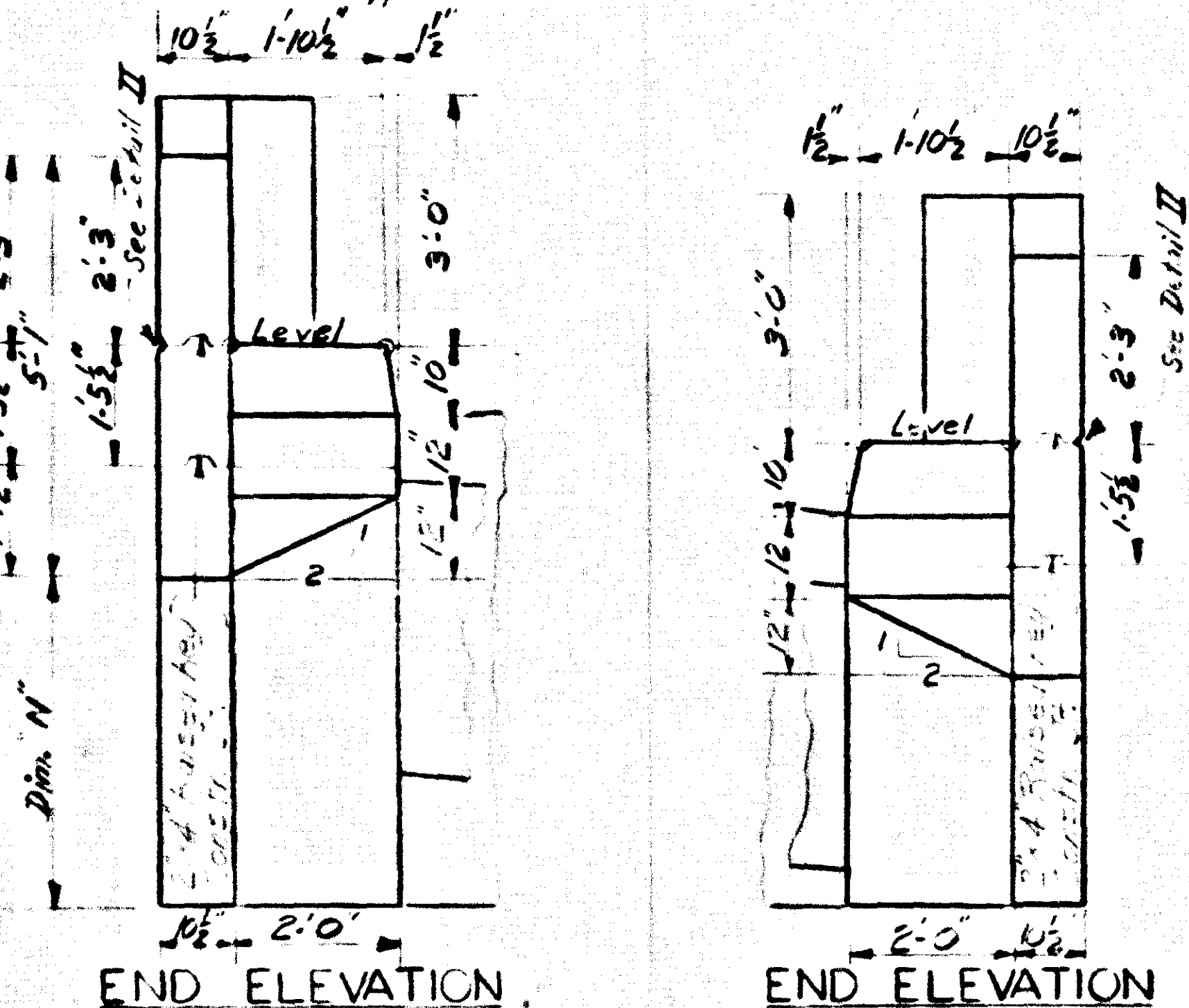
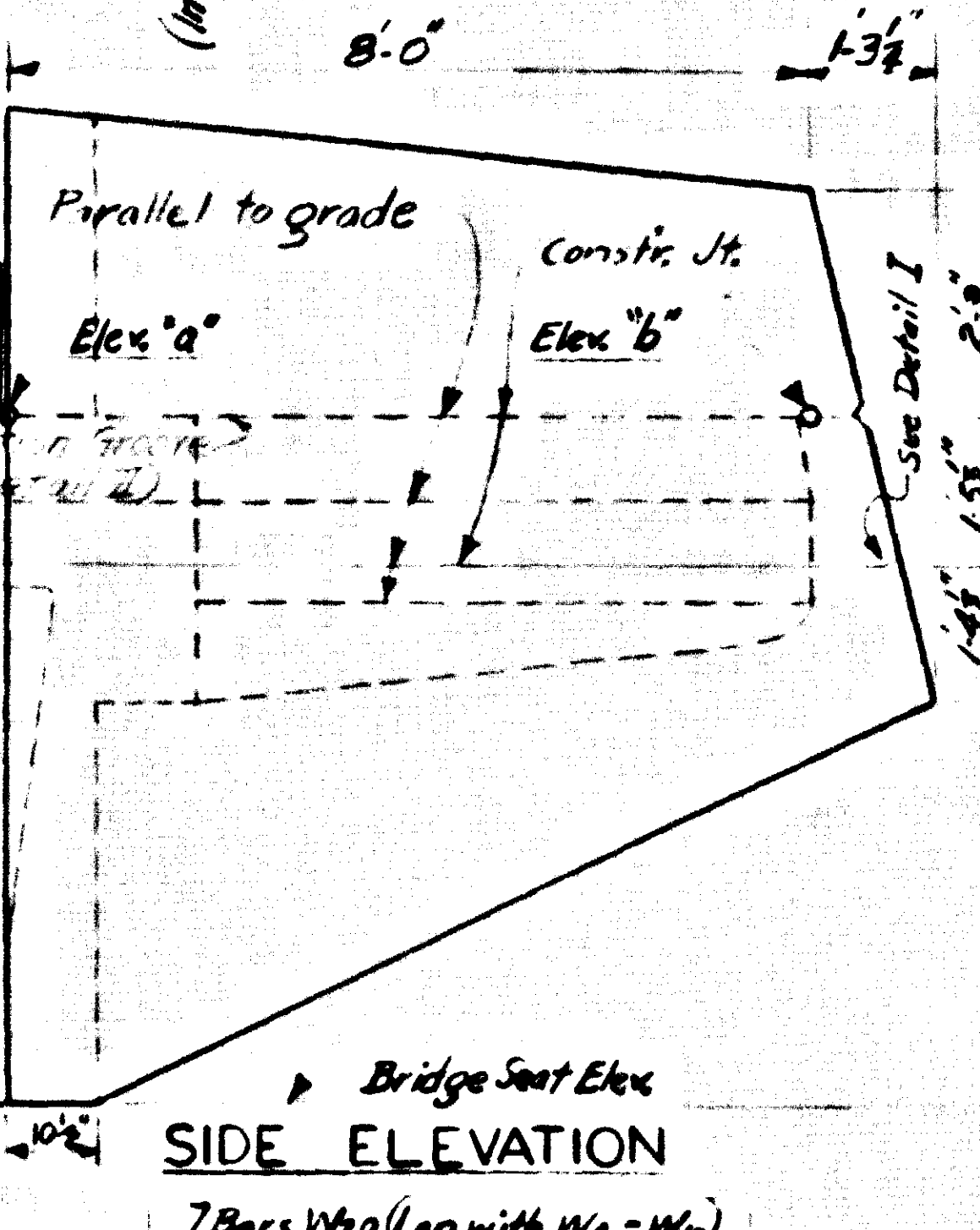
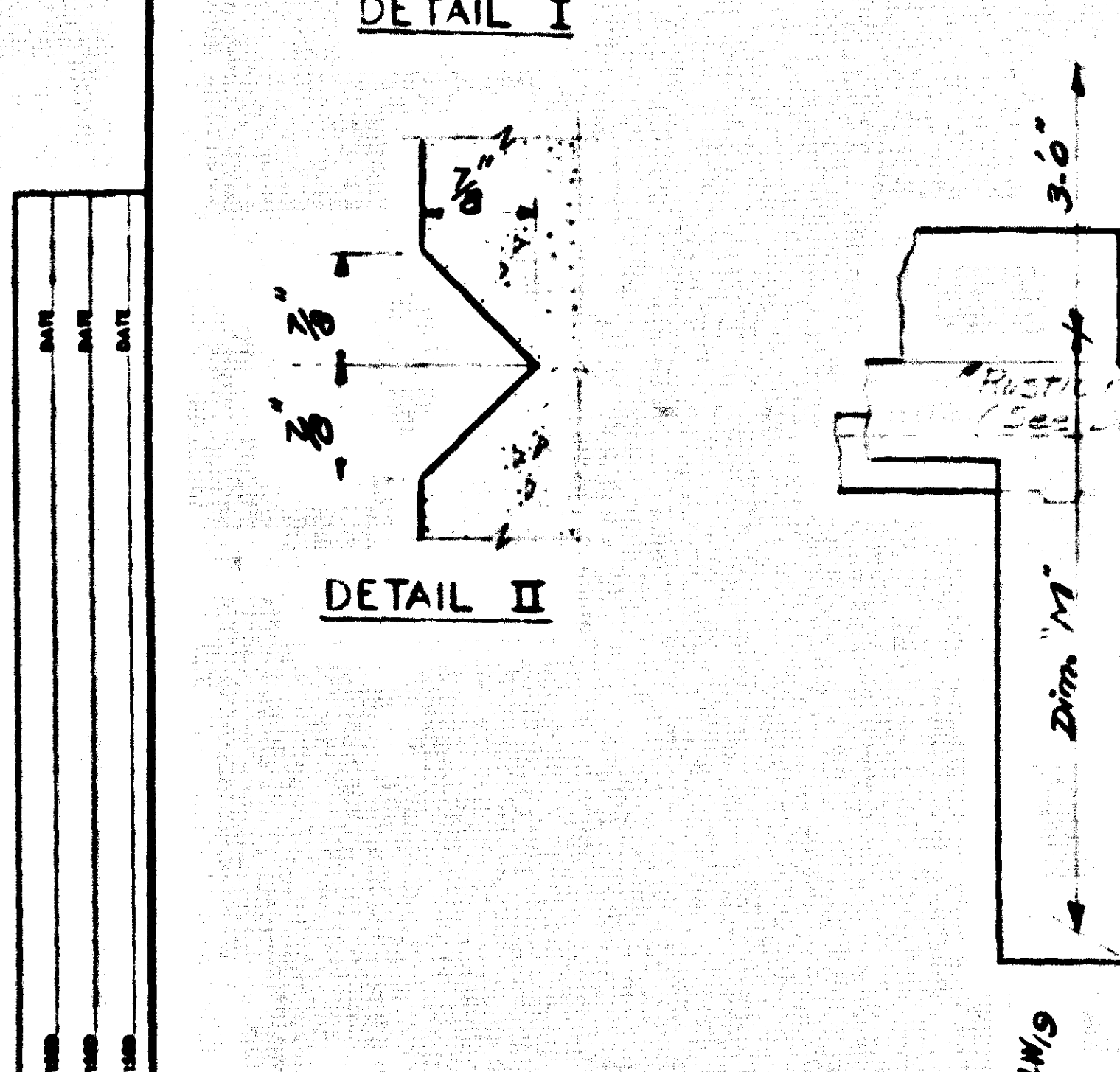
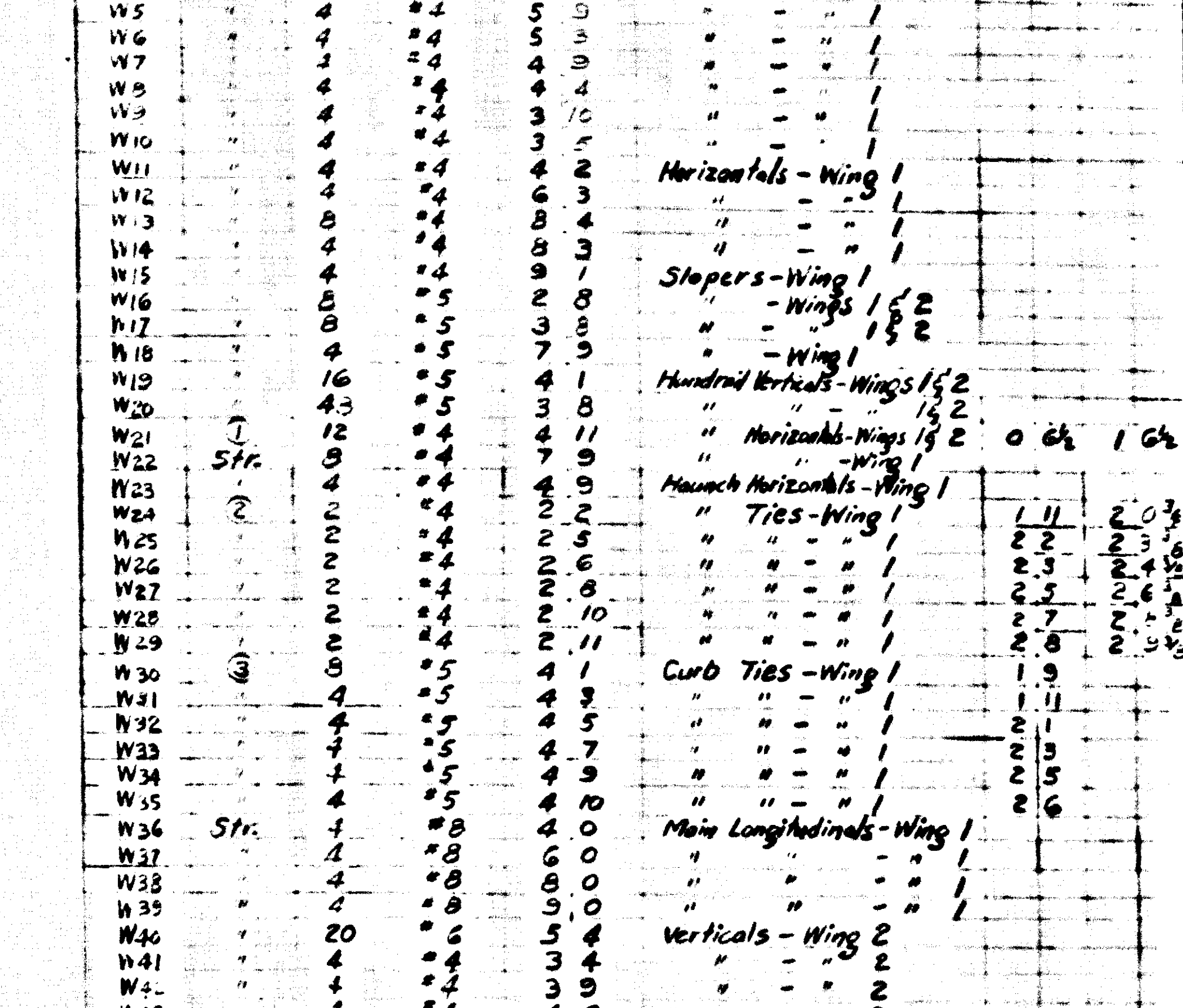
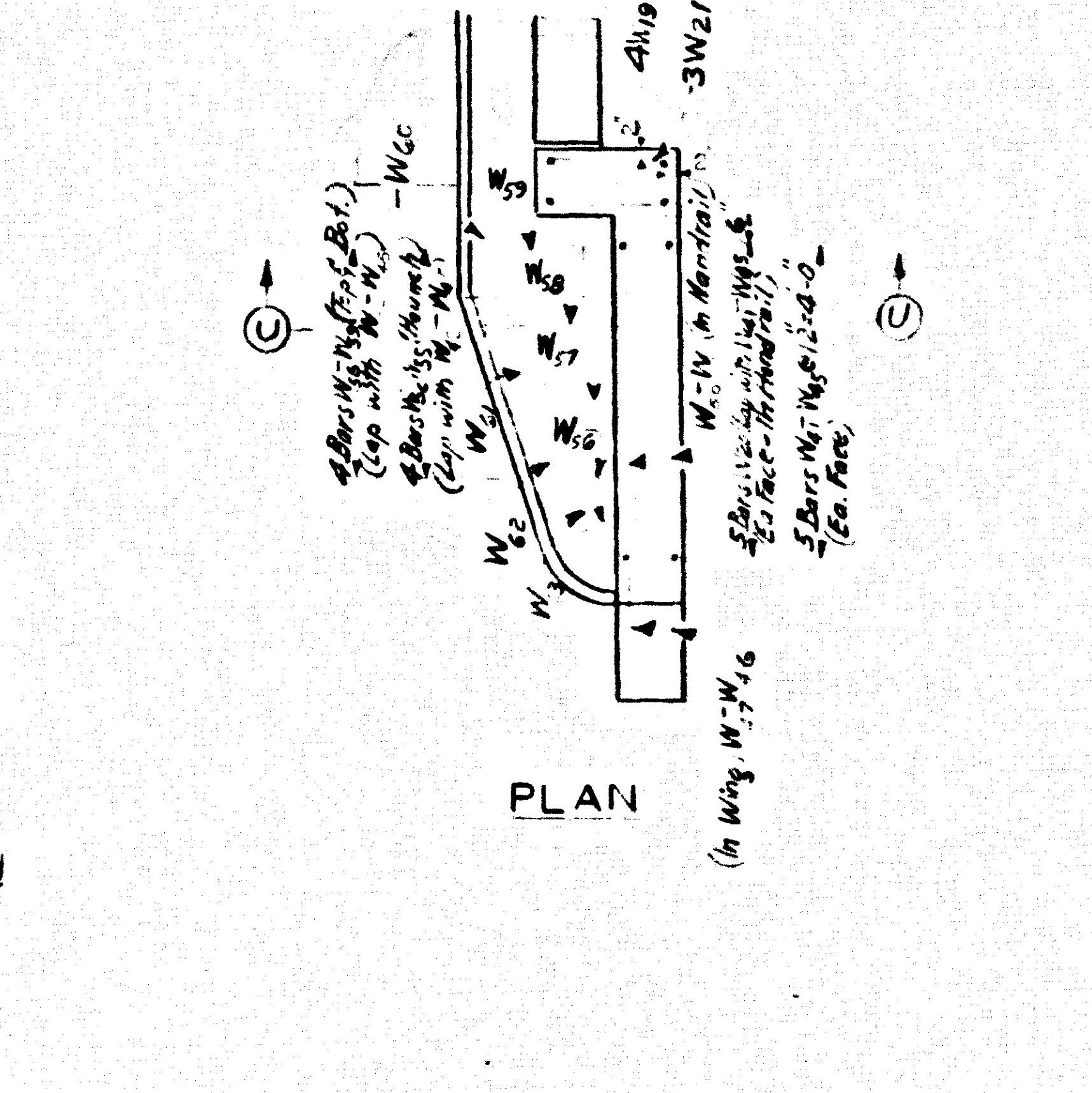
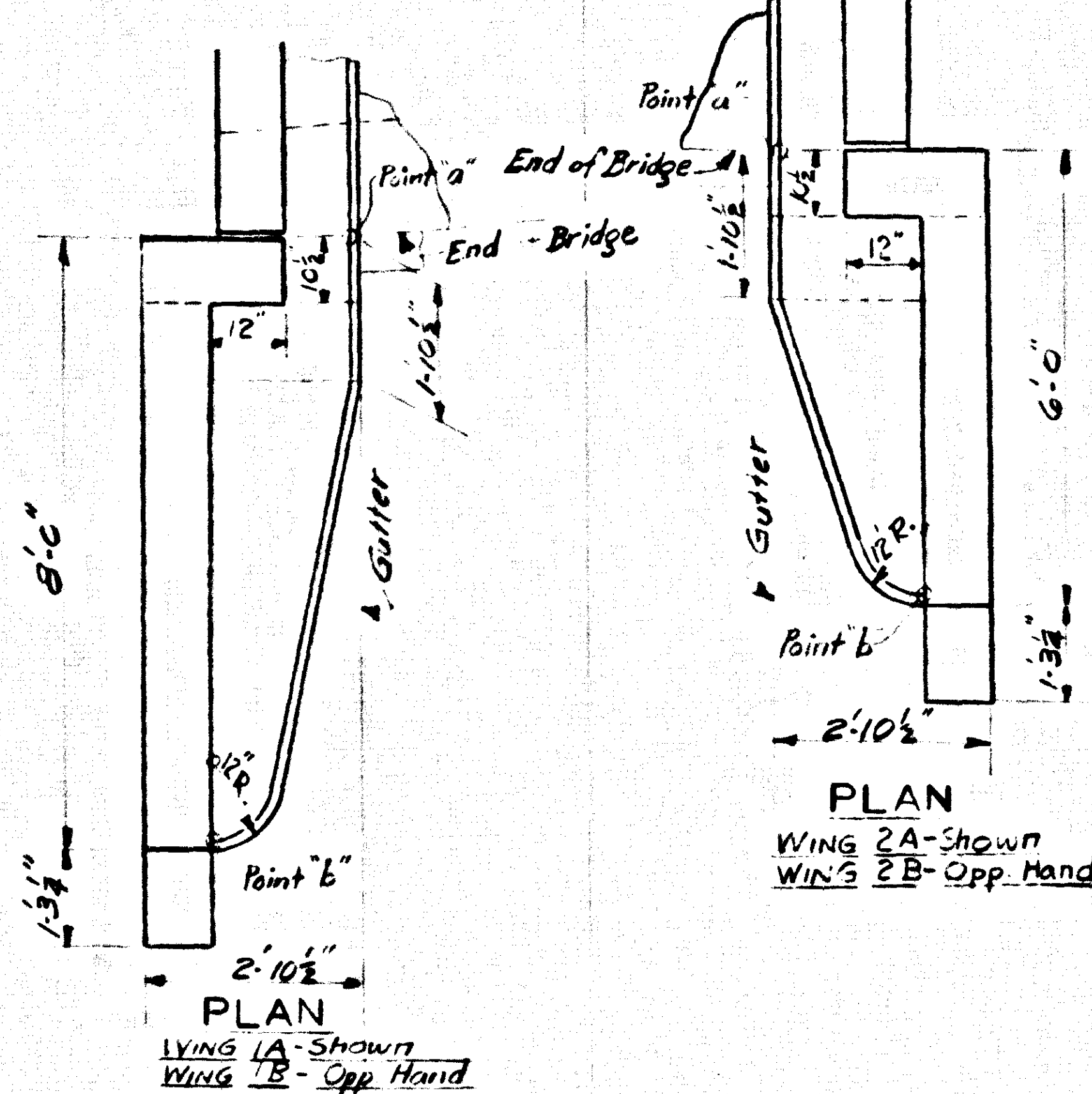
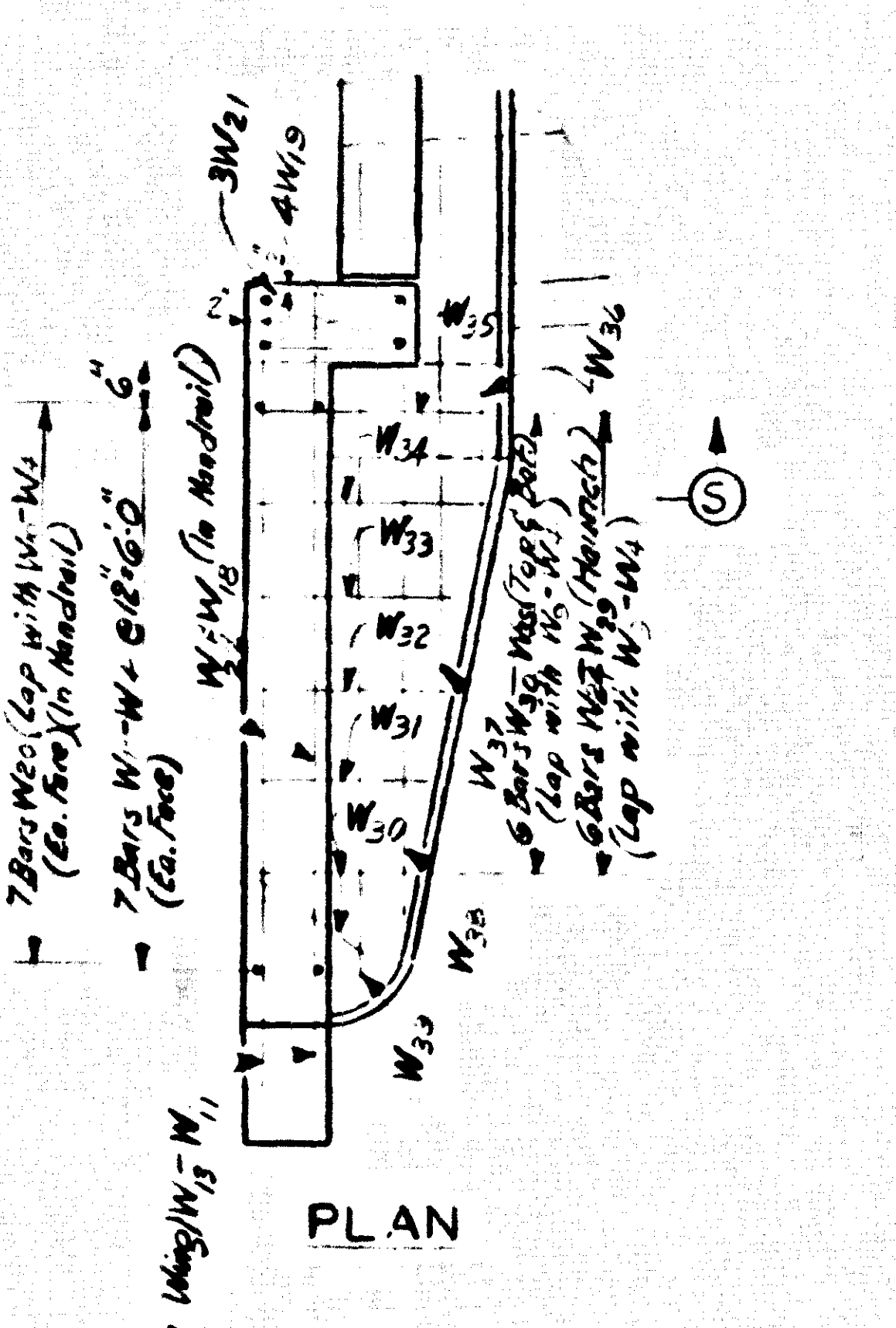
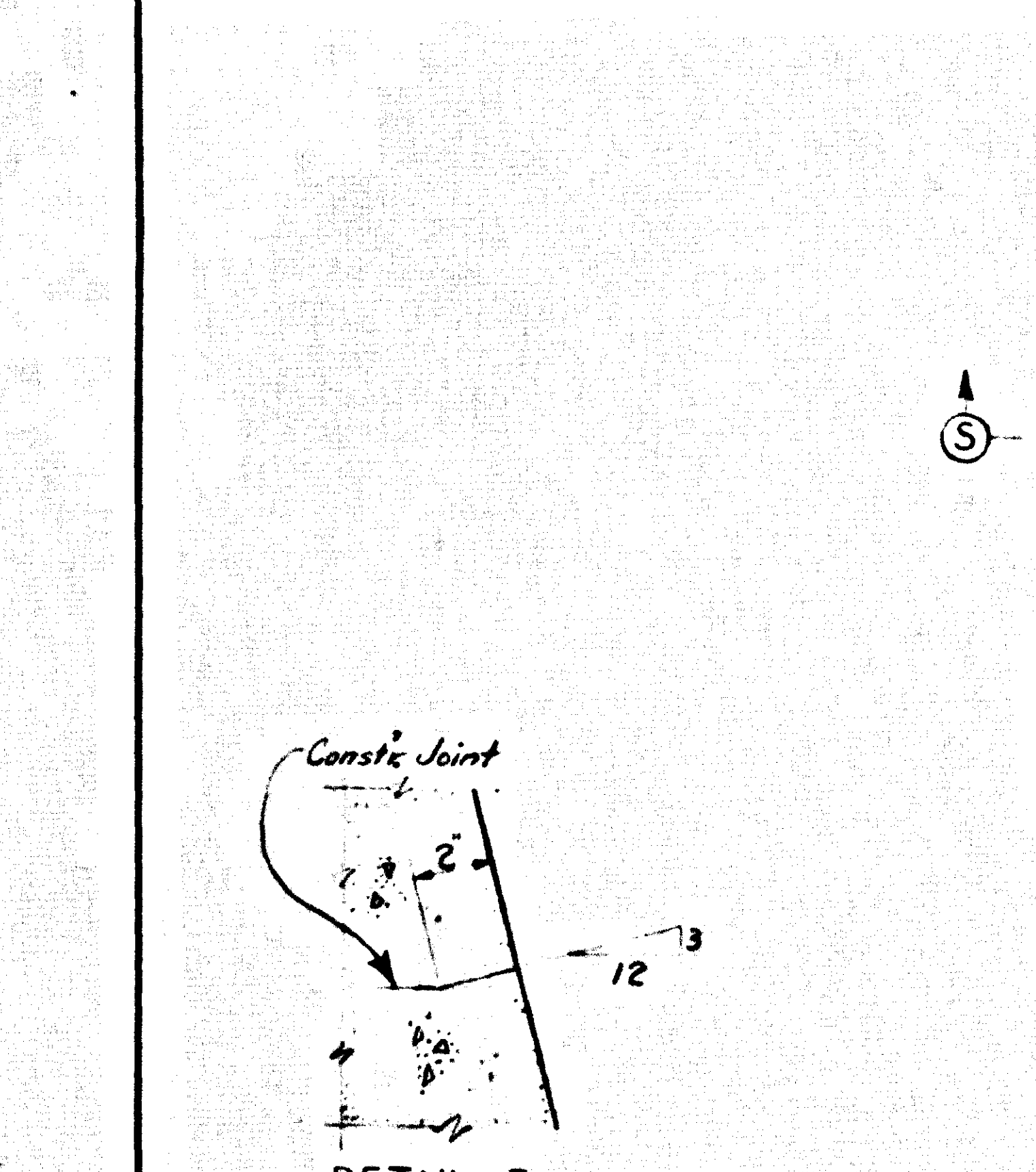
BRIDGE
 NUMBER

DATE
 10/15/55

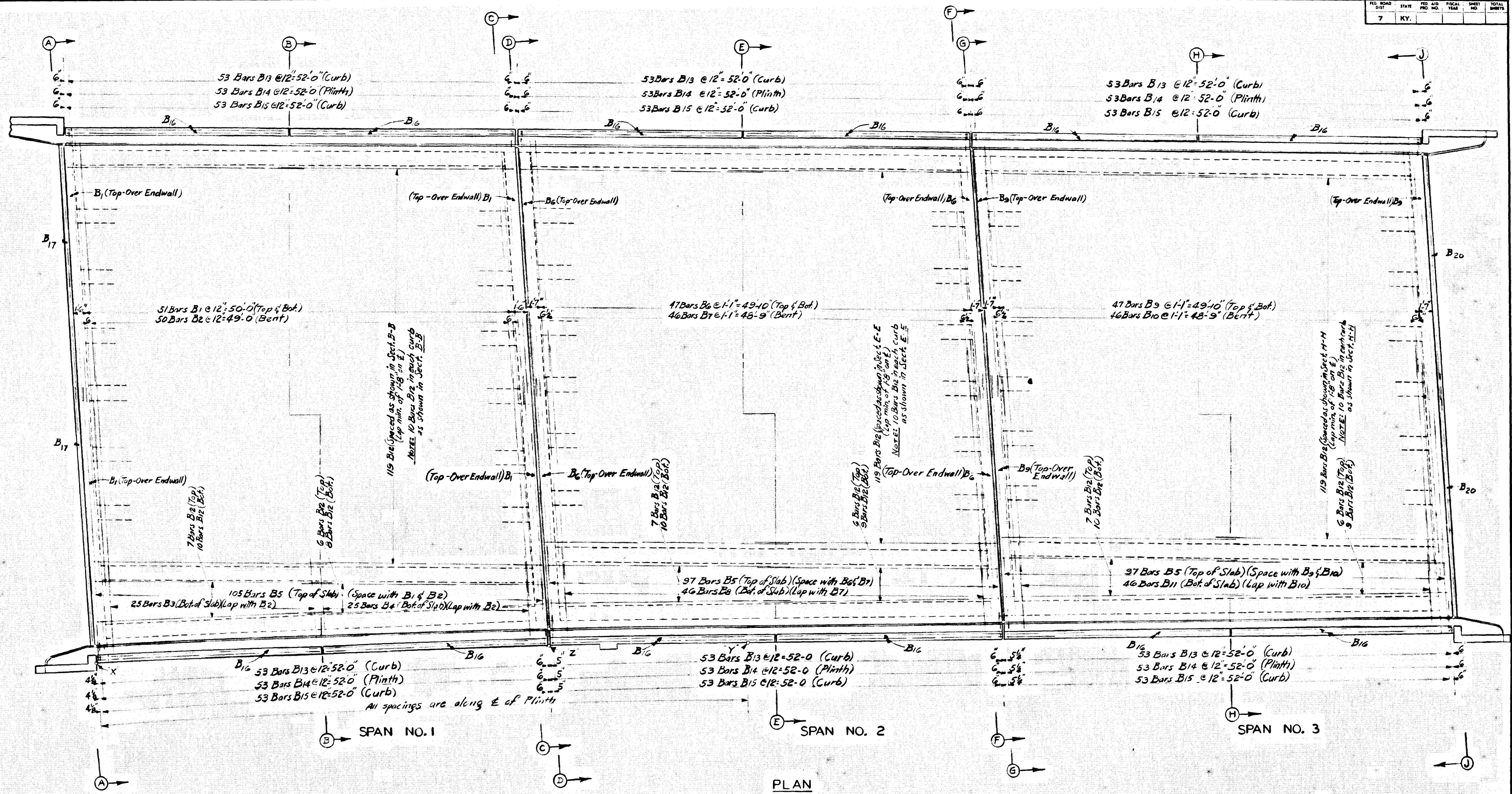
SOUTHBOUND BRIDGE					
Wing	Elevations and Dimensions				
Identification	Br. Seat Elev.	Elev. "a"	Elev. "b"	Dim. "M"	Dim. "N"
1A (Opp. Hand W1)	4'-0.058	4'-0.058	4'-0.058	6'-17.3	3'-8
1B (Opp. Hand W2)	4'-0.058	4'-0.058	4'-0.058	7'-1.16	4'-8
2A	4'-0.058	4'-0.058	4'-0.058	5'-7.16	2'-8
2B (Opp. Hand W3)	4'-0.058	4'-0.058	4'-0.058	5'-7.16	2'-8



BILL OF REINFORCEMENT 4 WINGS SOUTH BRIDGE									
MARK	TYPE	No.	SIZE	LENGTH FT.	IN.	LOCATION	1	2	3
W1	1	18	#5	6	11	Base of Wings 1 & 2	0.65	2.6	1.9
W2	1	18	#5	6	11	Base of Wings 1 & 2	0.65	2.6	1.9
W3	1	20	#5	6	4	Verticals - Wing 1			
W4	1	4	#5	6	1	" " " " " "			
W5	1	4	#5	6	1	" " " " " "			
W6	1	4	#5	6	1	" " " " " "			
W7	1	4	#5	6	1	" " " " " "			
W8	1	4	#5	6	1	" " " " " "			
W9	1	4	#5	6	1	" " " " " "			
W10	1	4	#5	6	1	" " " " " "			
W11	1	4	#5	6	1	" " " " " "			
W12	1	4	#5	6	1	" " " " " "			
W13	1	4	#5	6	1	" " " " " "			
W14	1	4	#5	6	1	" " " " " "			
W15	1	4	#5	6	1	" " " " " "			
W16	1	4	#5	6	1	" " " " " "			
W17	1	4	#5	6	1	" " " " " "			
W18	1	4	#5	6	1	" " " " " "			
W19	1	4	#5	6	1	" " " " " "			
W20	1	4	#5	6	1	" " " " " "			
W21	1	4	#5	6	1	" " " " " "			
W22	1	4	#5	6	1	" " " " " "			
W23	1	4	#5	6	1	" " " " " "			
W24	1	4	#5	6	1	" " " " " "			
W25	1	4	#5	6	1	" " " " " "			
W26	1	4	#5	6	1	" " " " " "			
W27	1	4	#5	6	1	" " " " " "			
W28	1	4	#5	6	1	" " " " " "			
W29	1	4	#5	6	1	" " " " " "			
W30	1	4	#5	6	1	" " " " " "			
W31	1	4	#5	6	1	" " " " " "			
W32	1	4	#5	6	1	" " " " " "			
W33	1	4	#5	6	1	" " " " " "			
W34	1	4	#5	6	1	" " " " " "			
W35	1	4	#5	6	1	" " " " " "			
W36	1	4	#5	6	1	" " " " " "			
W37	1	4	#5	6	1	" " " " " "			
W38	1	4	#5	6	1	" " " " " "			
W39	1	4	#5	6	1	" " " " " "			
W40	1	4	#5	6	1	" " " " " "			
W41	1	4	#5	6	1	" " " " " "			
W42	1	4	#5	6	1	" " " " " "			
W43	1	4	#5	6	1	" " " " " "			
W44	1	4	#5	6	1	" " " " " "			
W45	1	4	#5	6	1	" " " " " "			
W46	1	4	#5	6	1	" " " " " "			
W47	1	4	#5	6	1	" " " " " "			
W48	1	4	#5	6	1	" " " " " "			
W49	1	4	#5	6	1	" " " " " "			
W50	1	4	#5	6	1	" " " " " "			
W51	1	4	#5	6	1	" " " " " "			
W52	1	4	#5	6	1	" " " " " "			
W53	1	4	#5	6	1	" " " " " "			
W54	1	4	#5	6	1	" " " " " "			
W55	1	4	#5	6	1	" " " " " "			
W56	1	4	#5	6	1	" " " " " "			
W57	1	4	#5	6	1	" " " " " "			
W58	1	4	#5	6	1	" " " " " "			
W59	1	4	#5	6	1	" " " " " "			
W60	1	4	#5	6	1	" " " " " "			
W61	1	4	#5	6	1	" " " " " "			
W62	1	4	#5	6	1	" " " " " "			
W63	1	4	#5	6	1	" " " " " "			
W64	1	4	#5	6	1	" " " " " "			



DESIGNED BY: Blaskey & Co. CHECKED BY: Blaskey & Co. DATE: 1-1-55
 TRACED BY: Blaskey & Co. CHECKED BY: Blaskey & Co. DATE: 1-1-55

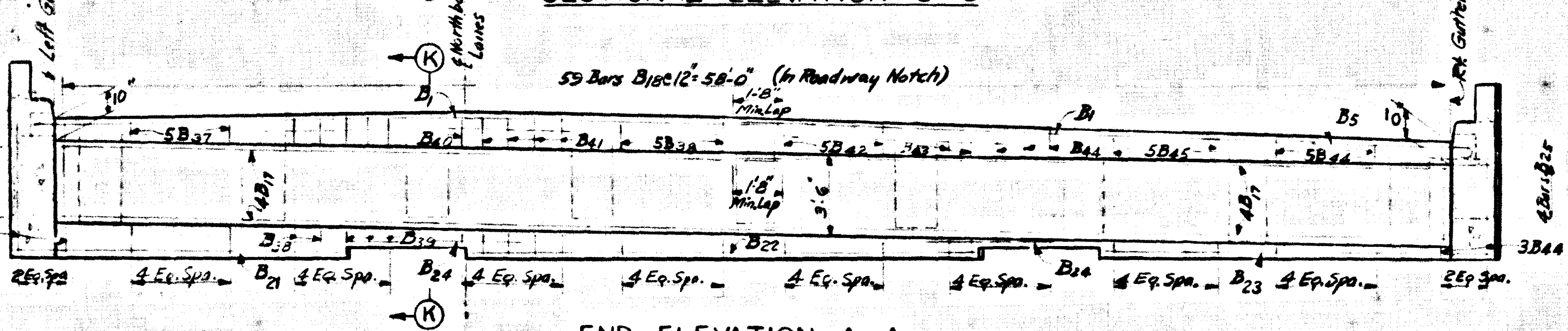
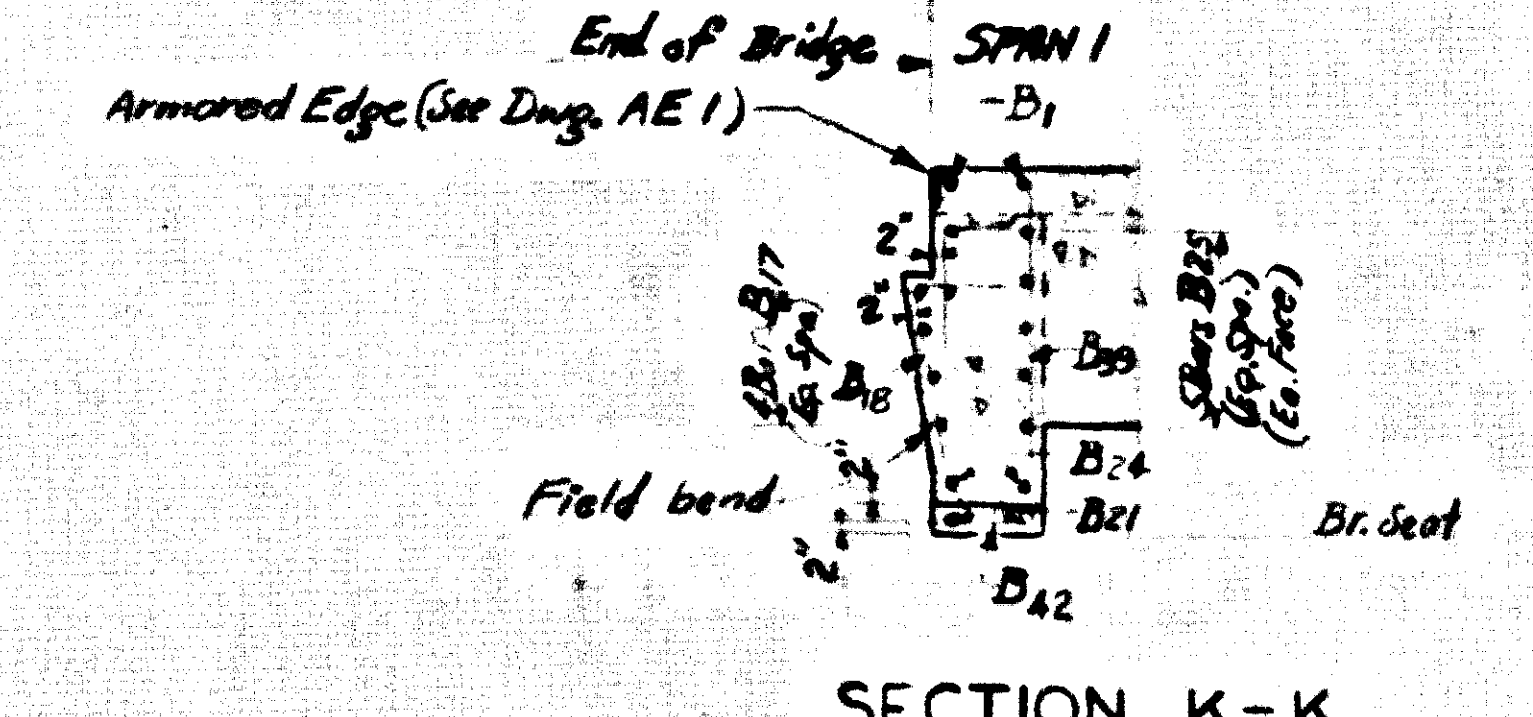
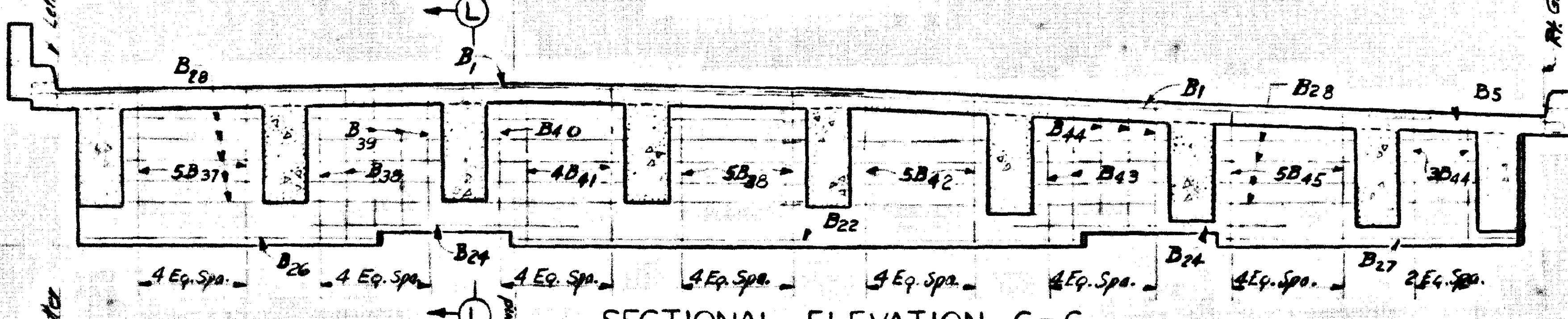
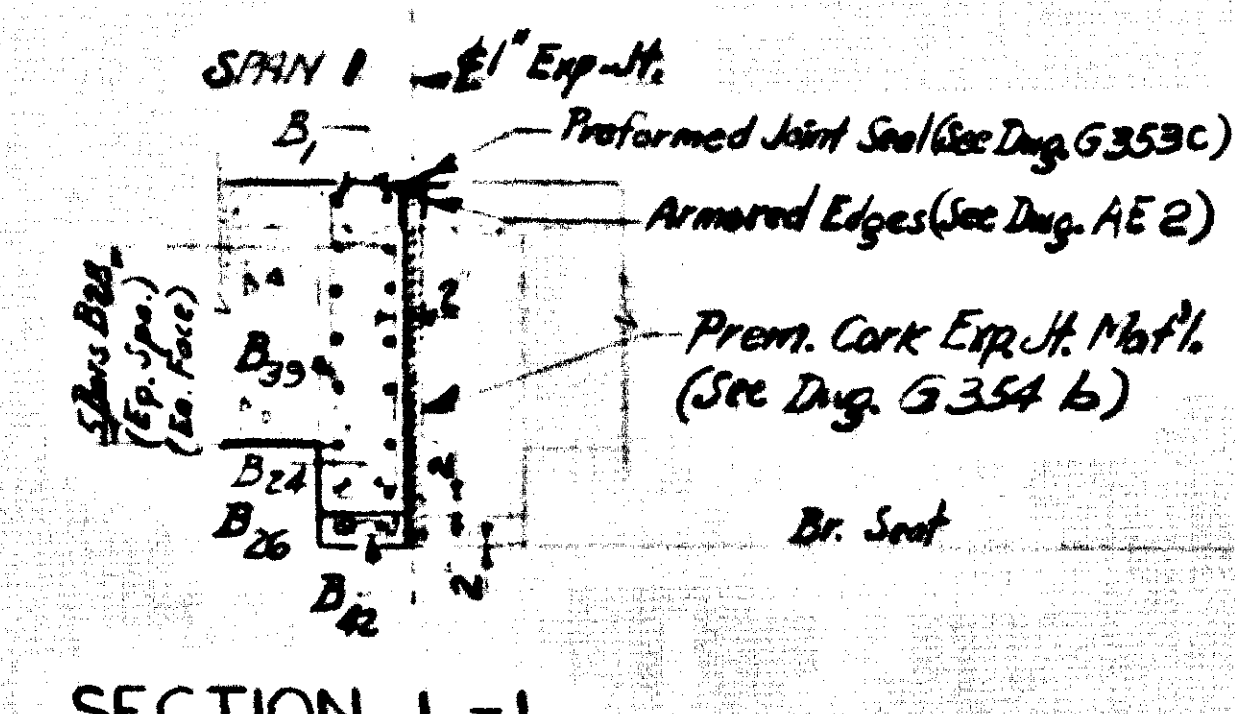
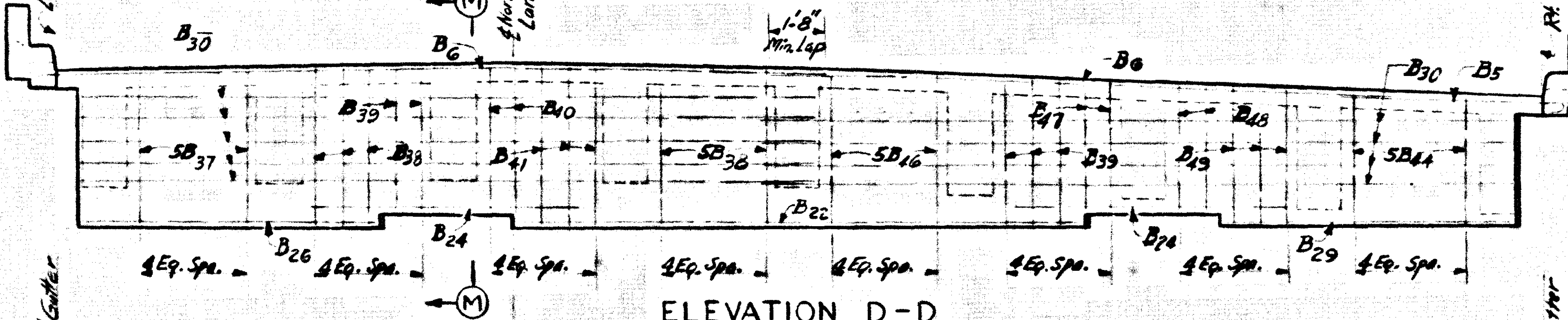
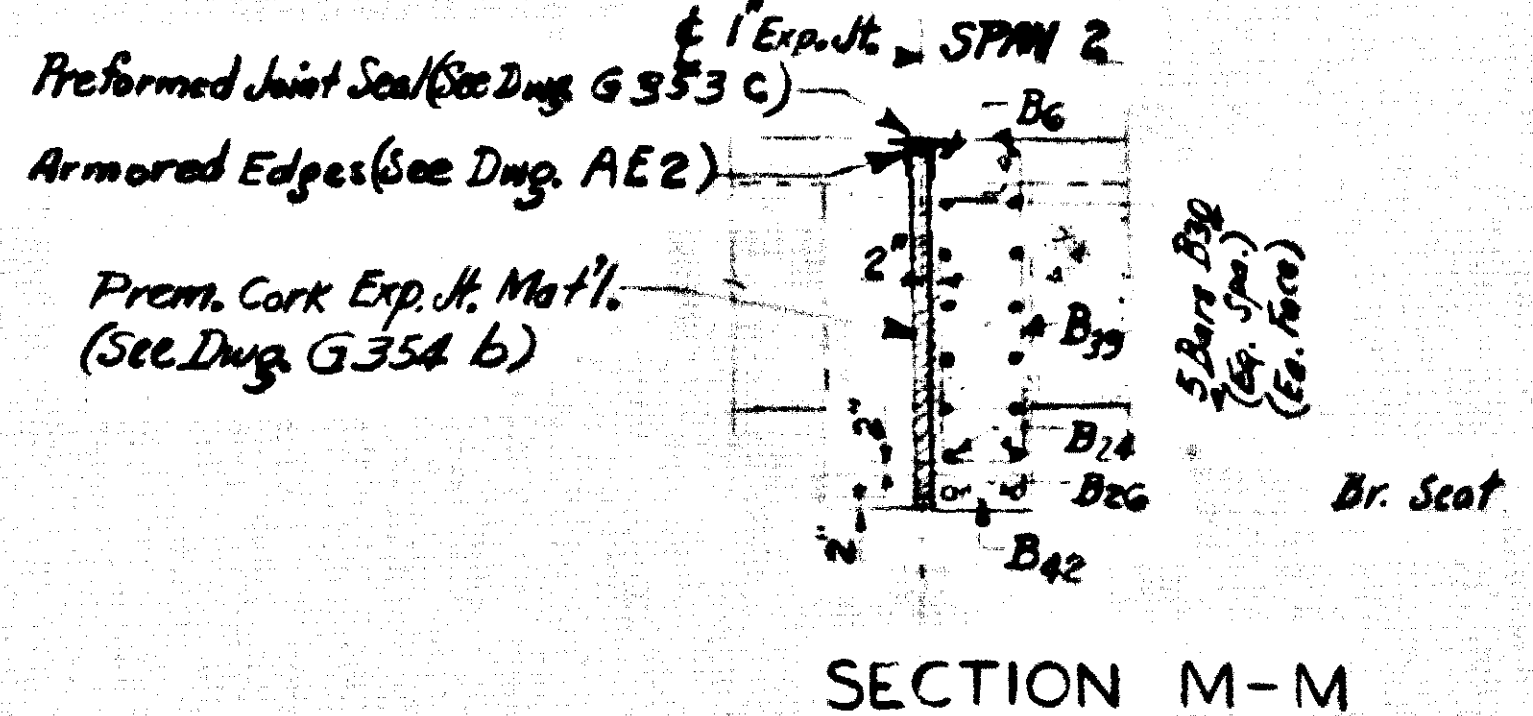
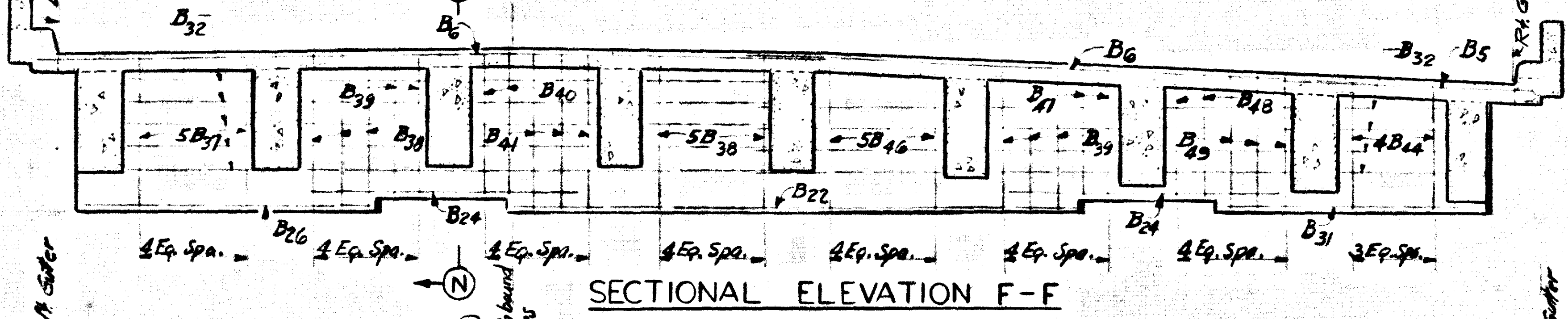
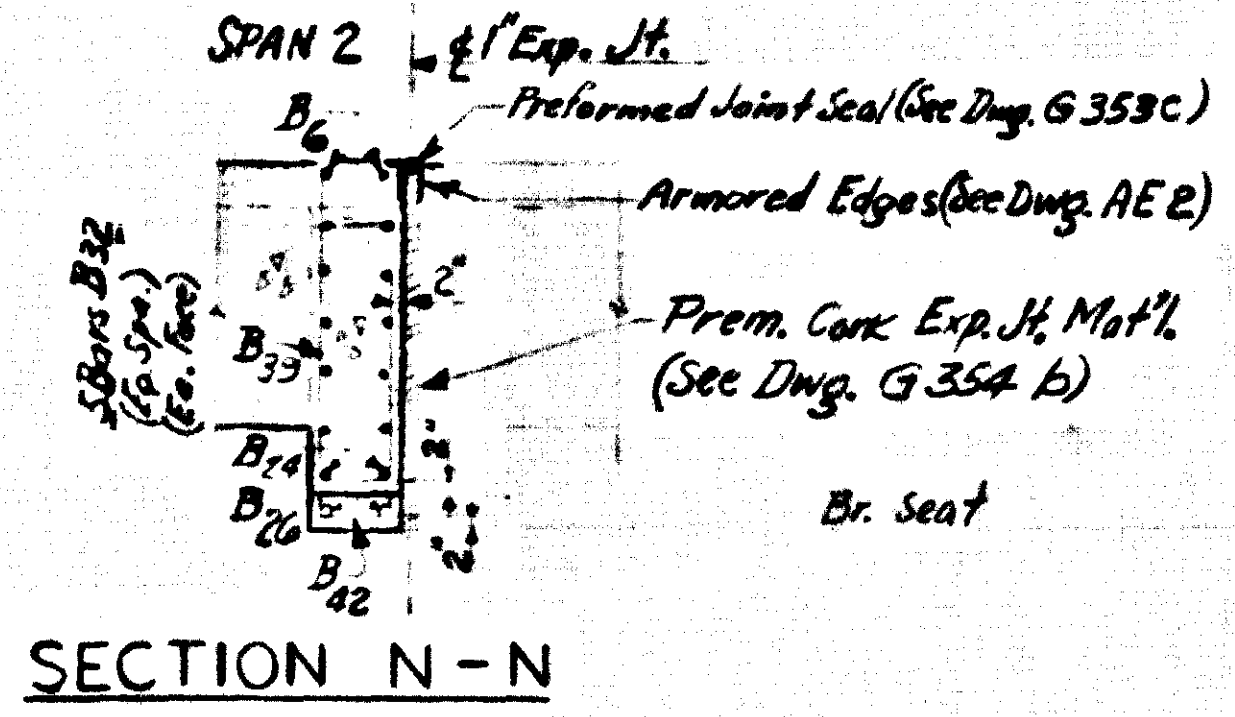
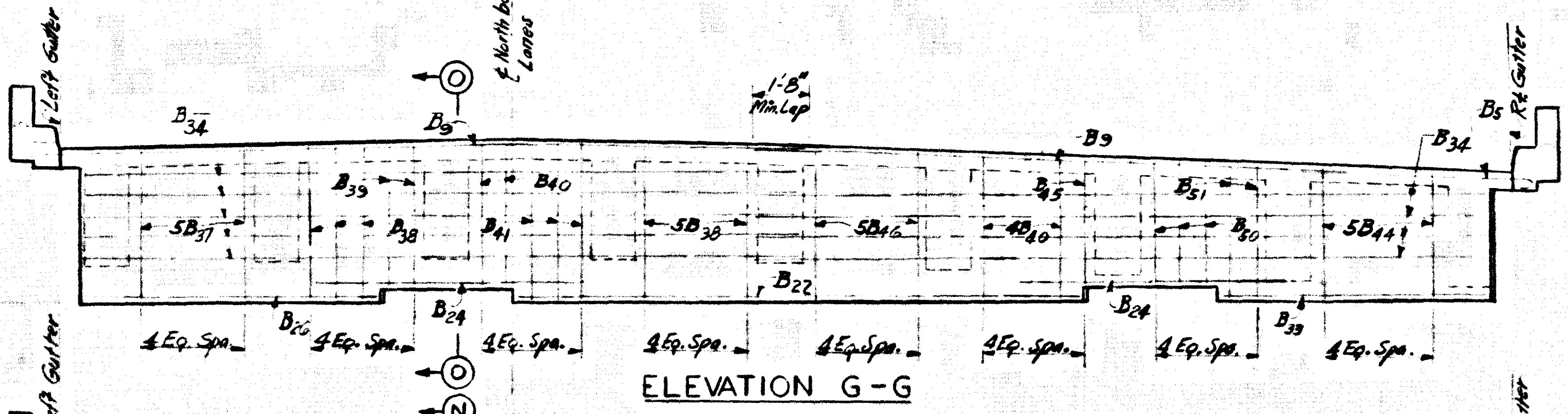
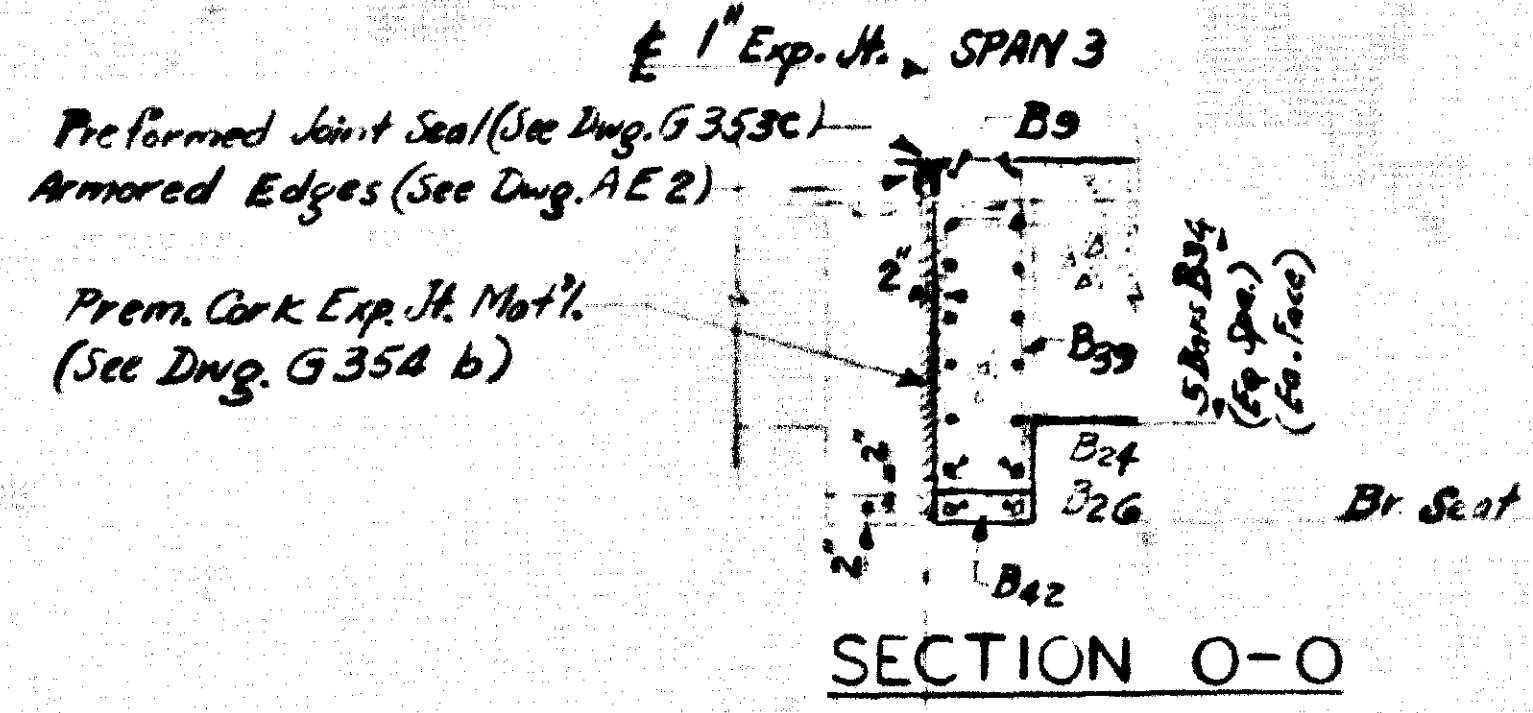
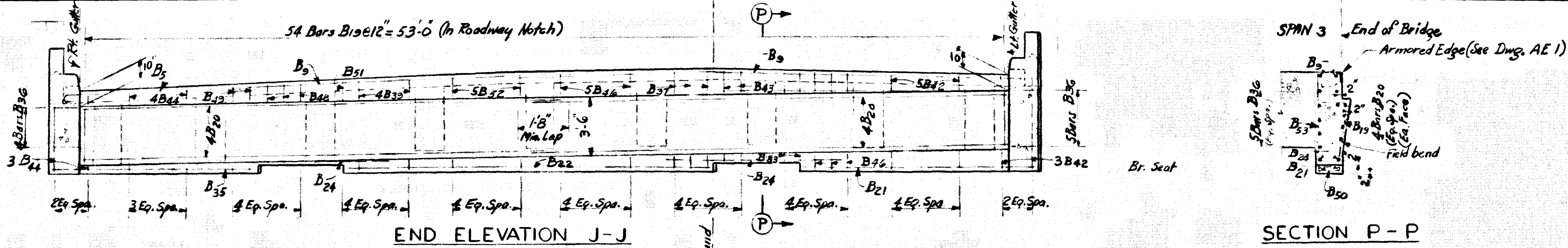


For ELEVATIONS A-A, C-C, D-D, F-F, G-G and J-J see Sheet 25
 For SECTIONS B-B, E-E and H-H see Sheet 26

SLAB DETAILS-NORTHBOUND BRIDGE

1-71 over Mockingbird Valley Road Sheet 34

COMMONWEALTH OF KENTUCKY
 DEPARTMENT OF HIGHWAYS
 FRANKFORT
 COUNTY OF
JEFFERSON
 LOUISVILLE - COVINGTON
 131454.30 1-71 = ROAD
 STATION 10+00 Mockingbird Valley Rd. PROJECT NO.
 BRIDGE NUMBER NO. 16155



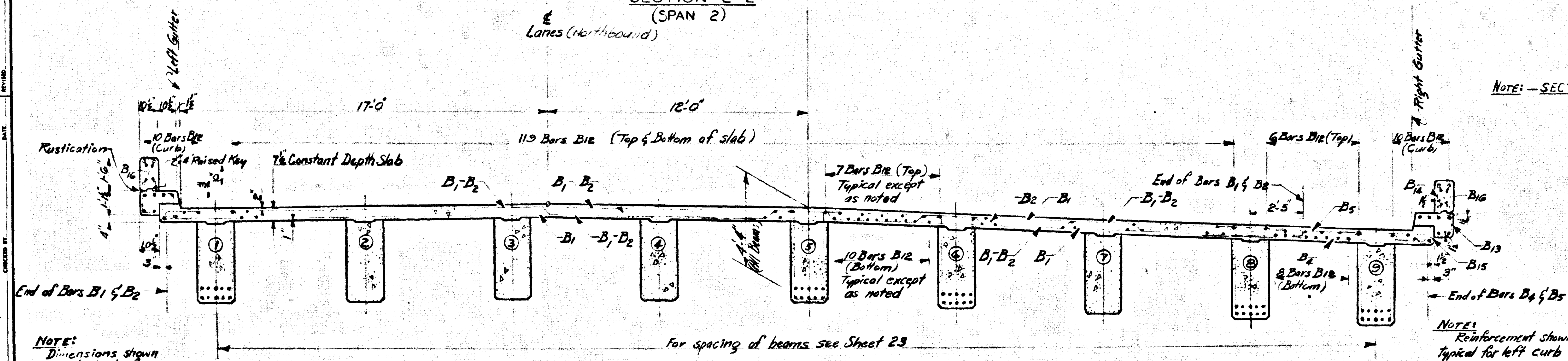
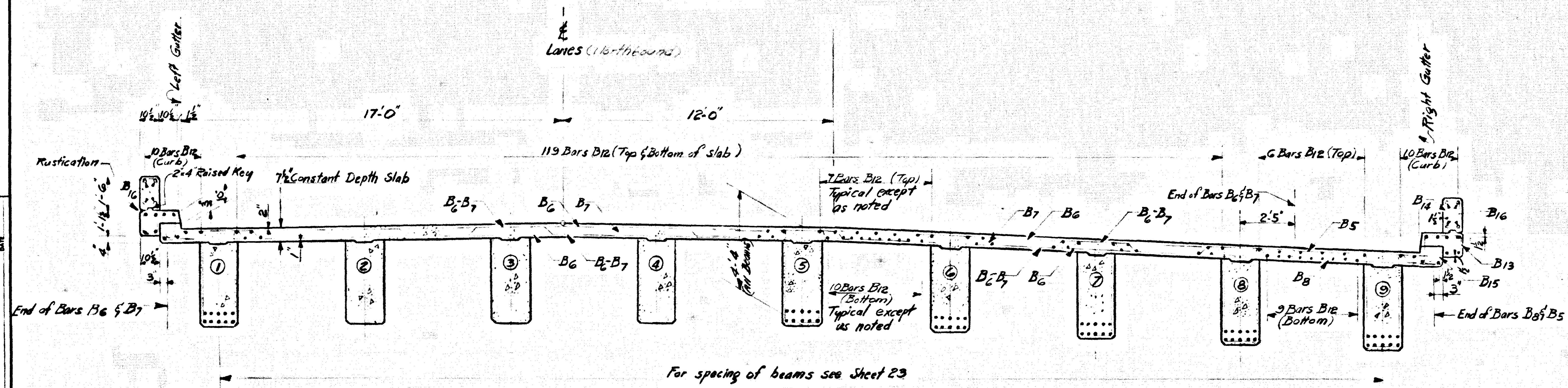
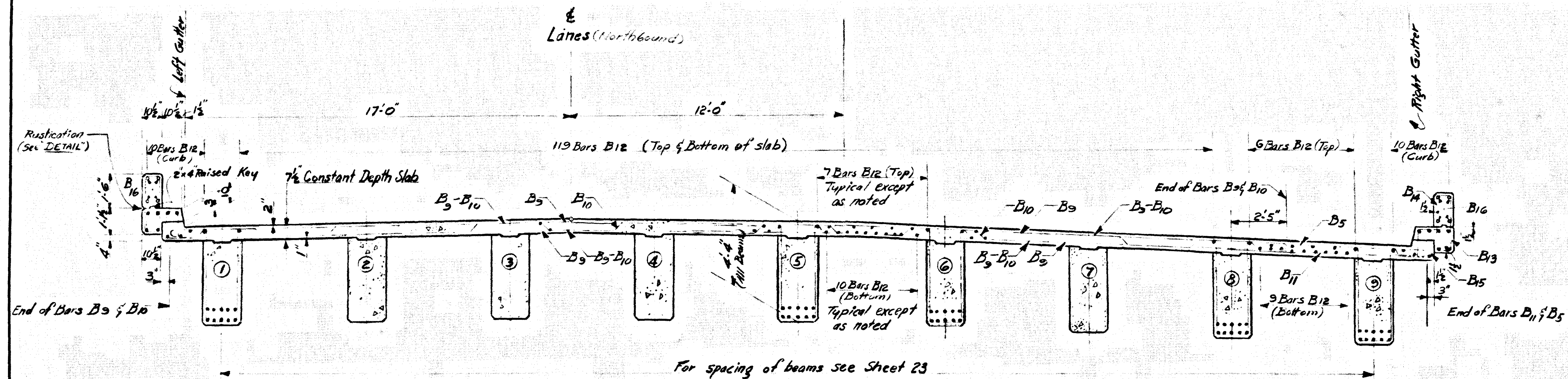
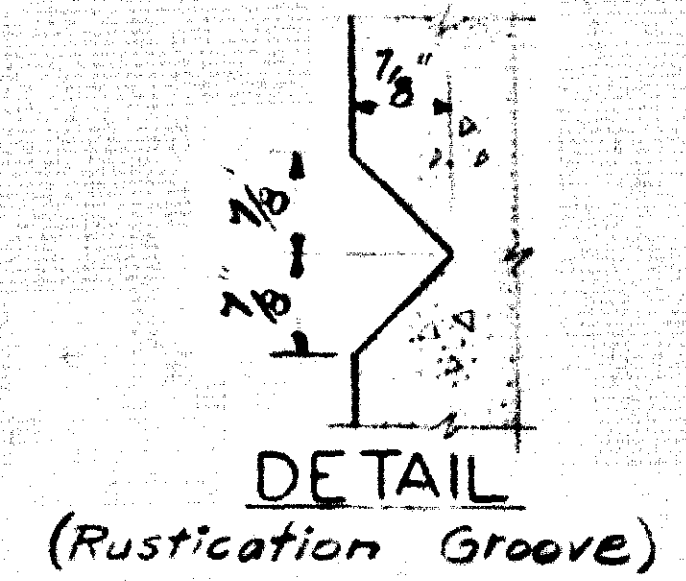
NOTE: ELEVATIONS A-A, C-C, D-D, F-F, G-G and J-J are taken from Sheet 24

ETI Over Muckinbird Valley road Sheet 24

COMMONWEALTH OF KENTUCKY
 DEPARTMENT OF HIGHWAYS
 FRANKFORT
 COUNTY OF
JEFFERSON
 LOUISVILLE-COVINGTON
 ROAD

STATION 431+54.30 I-71 =
 50+00 Muckinbird Valley Rd. PROJECT NO.

BRIDGE NUMBER 10155



NOTE: - SECTIONS B-B, E-E and H-H are taken from Sheet 24

NOTE:
Dimensions shown
are typical for
Right Curb

NOTE:
Reinforcement shown is
typical for left curb

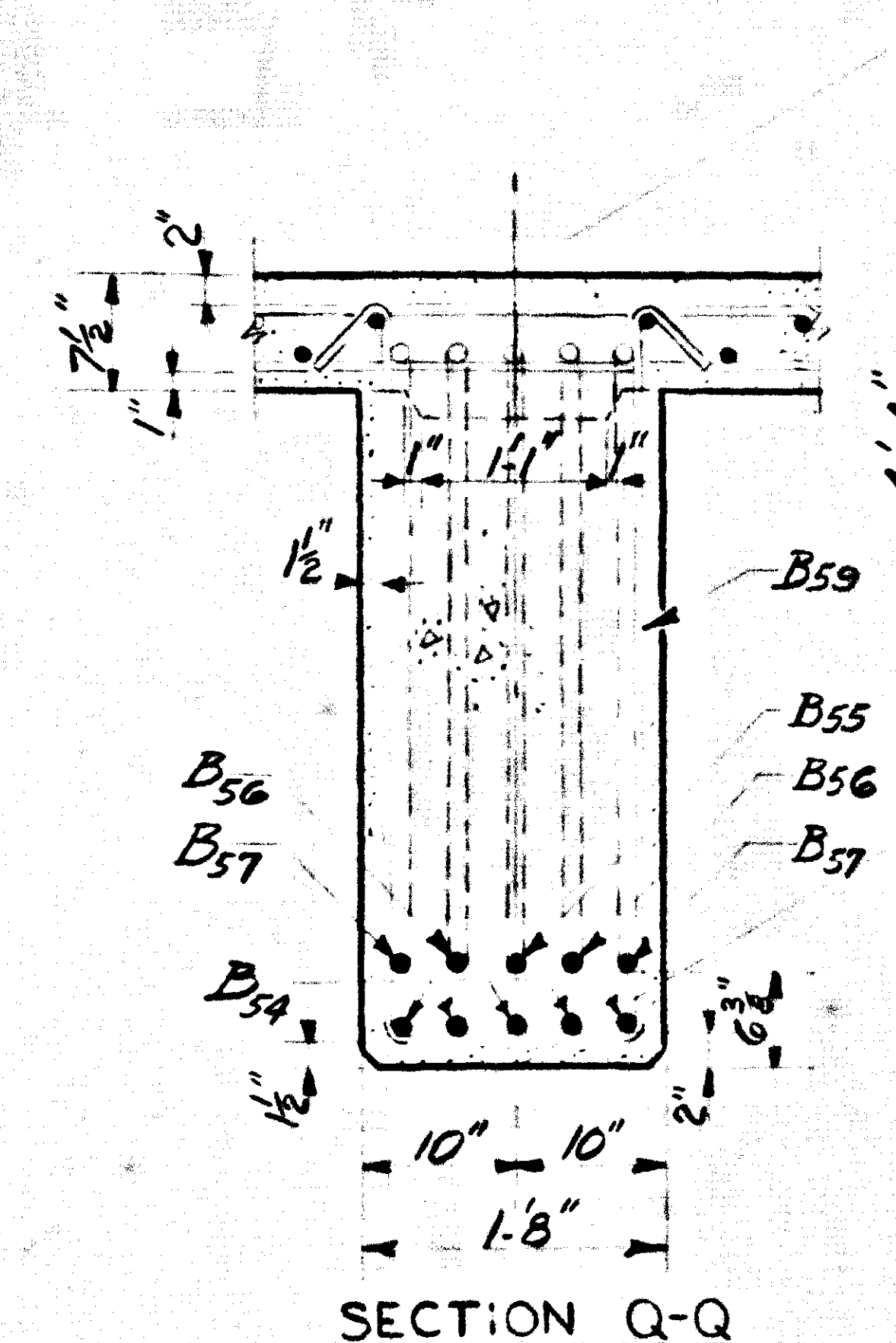
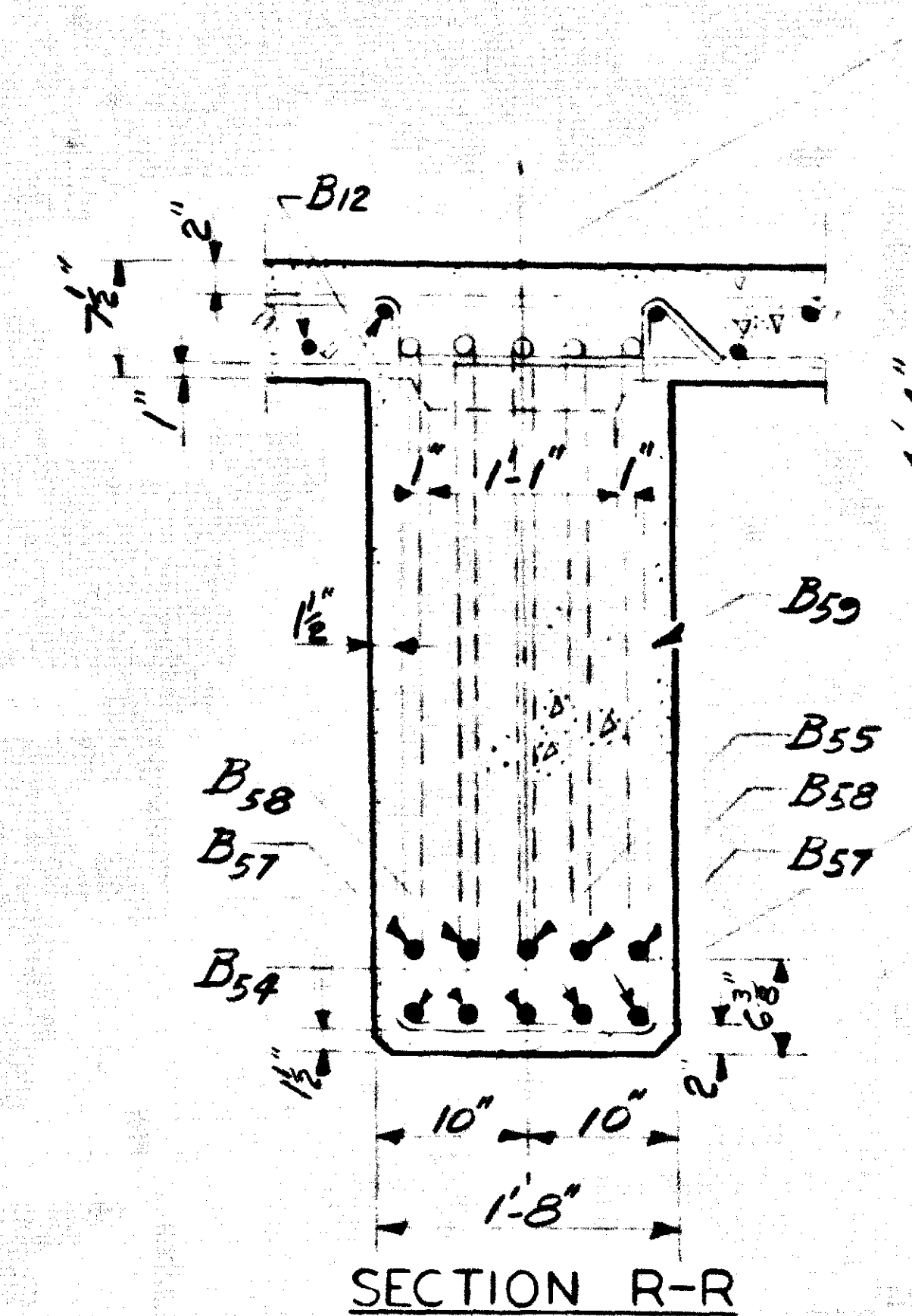
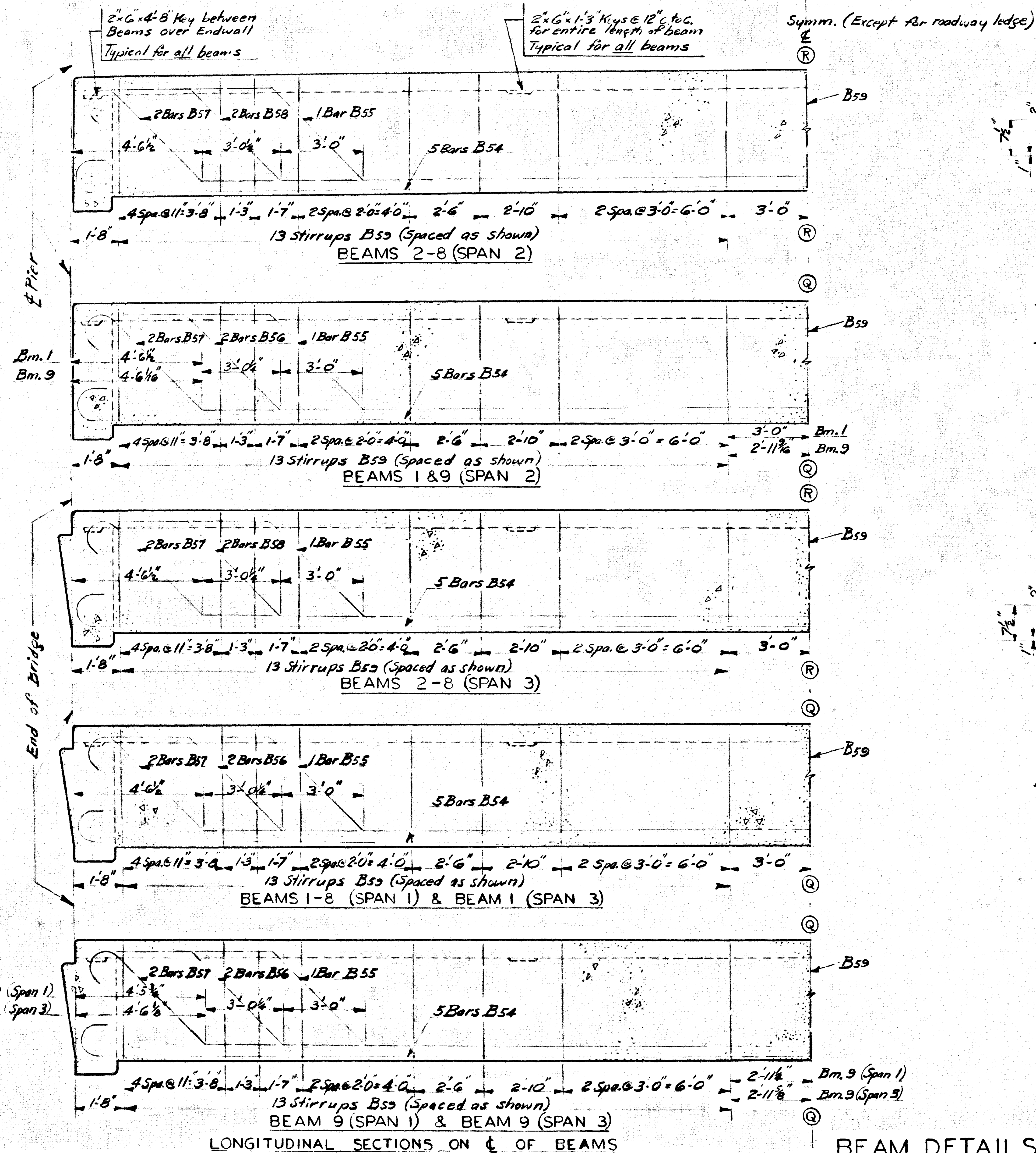
I-71 over Nicklinburg Valley Road Sheet 26

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
JEFFERSON
LOUISVILLE-COVINGTON
ROAD
STATION 131+54.30 I-71 =
50+00 Nicklinburg Valley Rd. PROJECT NO.

BRIDGE NUMBER

NO. 16/55

SLAB DETAILS-NORTHBOUND BRIDGE



Work with Sheet No 23

I-71 over Mockingbird Valley road Sheet 1

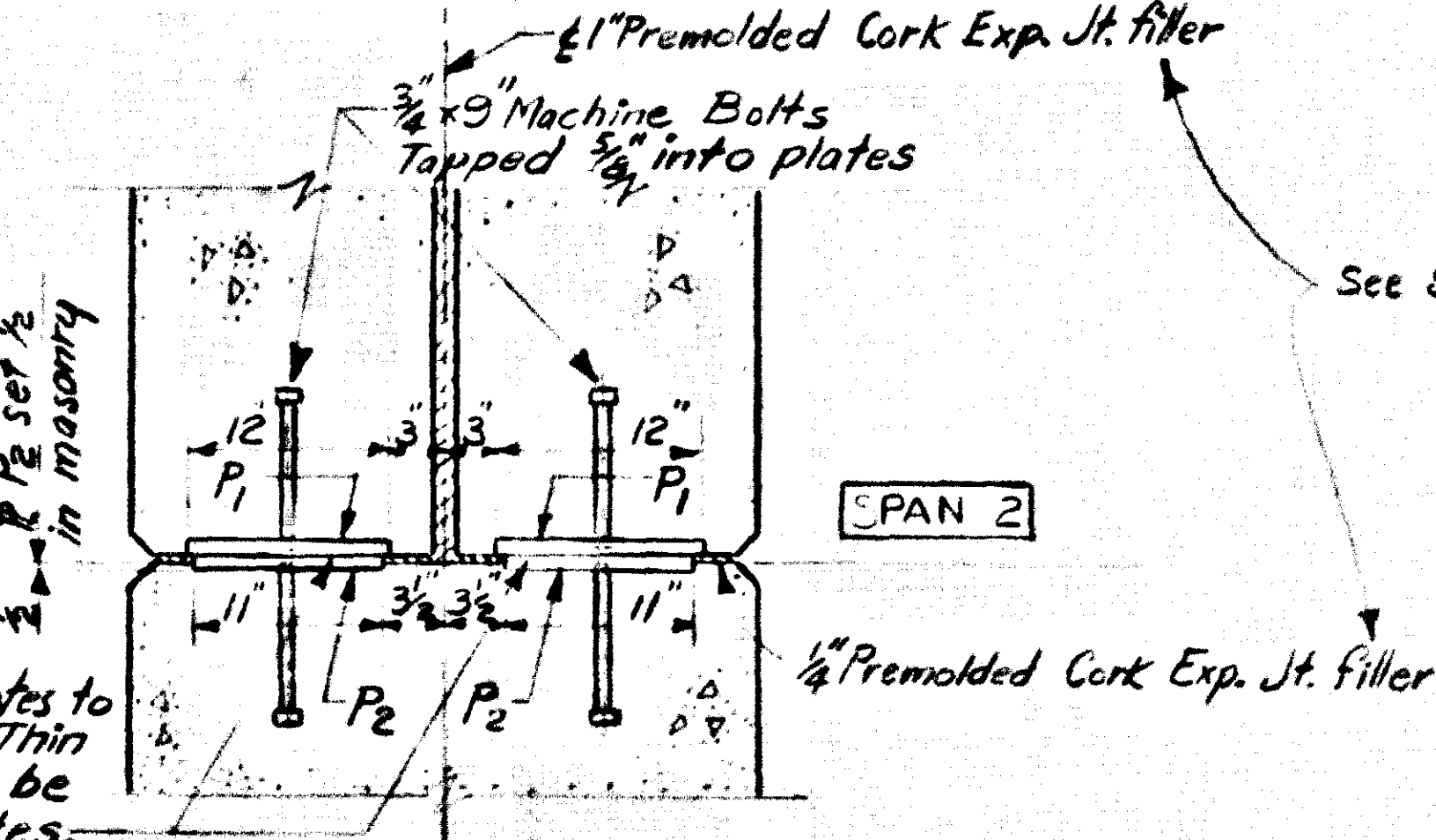
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
JEFFERSON
LOUISVILLE-COVINGTON
ROAD
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50+00 Mockingbird Valley rd. PROJECT NO.
BRIDGE NUMBER 16155

BEAM DETAILS-NORTHBOUND BRIDGE

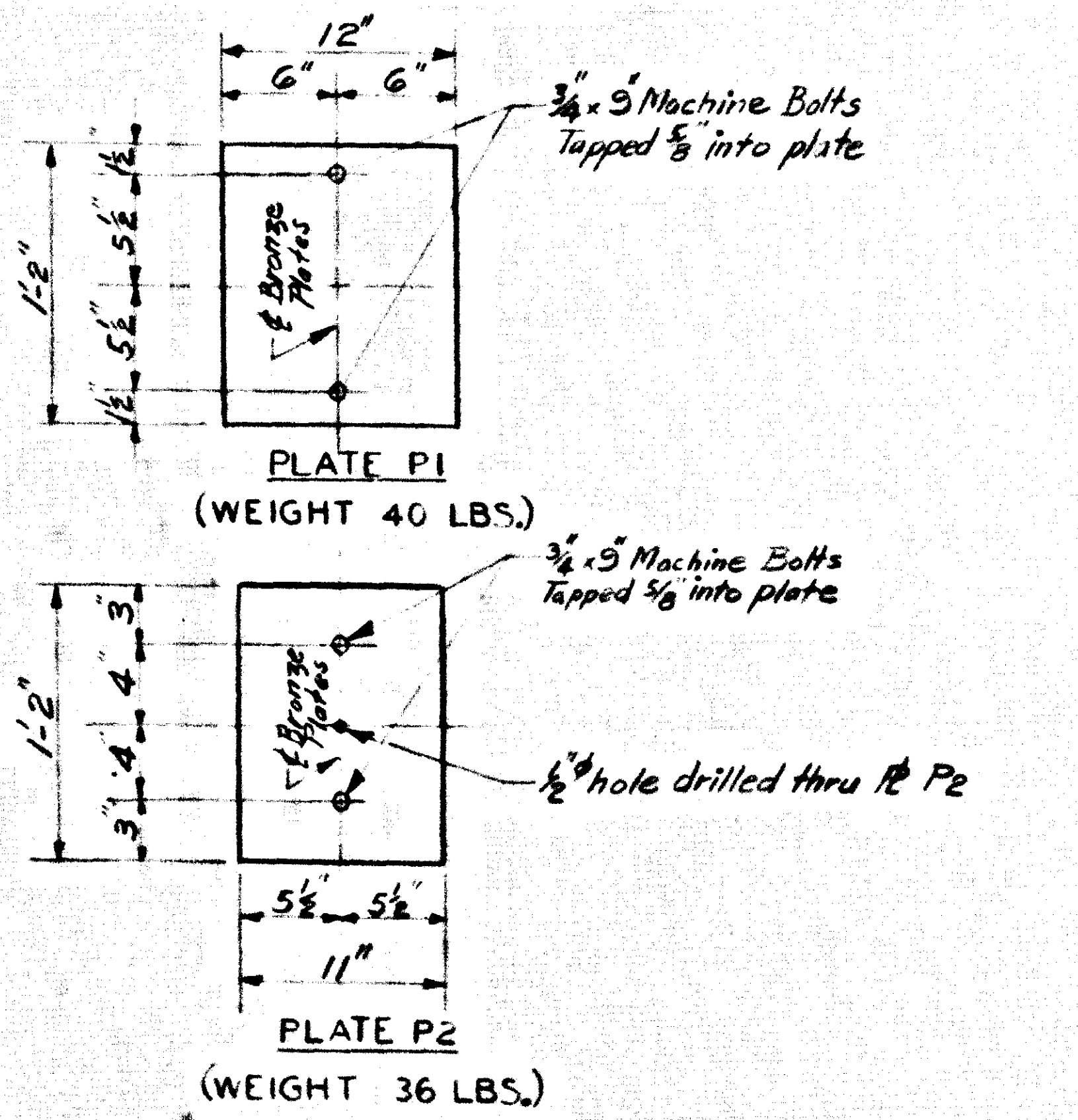
BILL OF REINFORCEMENT

MARK	TYPE	NUMBER	SPAN	SIZE	LENGTH	LOCATION	a	b	c	d	MARK	TYPE	NUMBER	SPAN	SIZE	LENGTH	LOCATION	a	b	c	d
		1	2	3	FT. IN.		FT. IN.	FT. IN.	FT. IN.	FT. IN.			1	2	3	FT. IN.		FT. IN.	FT. IN.	FT. IN.	FT. IN.
B1	Str.	212		#5	27.5	Top of Bot. of Slab					B31	Str.	2		#4	9.9	Longitudinals-End Walls				
B2	Str.	100		#5	29.5	Bent in Slab	3 9/4	3.1	3 1/4	27 10 3/4	B32	"	18		#4	27.0	"				
B3	Str.	25		#5	10.5	Bot. of Slab					B33	"	2		#4	9.8	"				
B4	"	25		#5	9.3	"					B34	"	18		#4	26.11	"				
B5	Str.	105	97	#5	7.8	Top of all slabs	6.10	7.0 1/4			B35	"	2		#4	11.5	"				
B6	Str.	196		#5	26.3	Top of Bot. of Slab					B36	"	9		#4	29.3	"				
B7	Str.	92		#5	28.1	Bent in Slab	3 8/4	2.11	2 10 1/4	26 6 3/4	B37	Str.	13	10	#4	12.3	Verticals-End Walls	5.6	4.8		
B8	Str.	46		#5	10.3	Bot. of Slab					B38	"	14	16	#4	12.5	"				
B9	"	196		#5	25.8	Top of Bot. of Slab					B39	"	6	10	#4	11.5	"				
B10	Str.	92		#5	27.7	Bent in Slab	3 7 3/4	2.10	2 10 3/4	26 0 3/4	B40	"	2	4	#4	11.7	"				
B11	Str.	46		#5	10.2	Bot. of Slab					B41	"	8	6	#4	12.7	"				
B12	"	309	310	#4	27.2	Longitudinals in all slabs					B42	"	10		#4	11.11	"				
B13	Str.	106	106	#5	4.10	Curbs					B43	"	4		#4	11.7	"				
B14	Str.	106	106	#5	6.8	Pinthrs	2.4	0.7 1/2			B44	"	17	9	#4	10.1	"				
B15	"	106	106	#5	4.5	Curbs	1 8 1/2	0.7 1/2			B45	"	10		#4	10.5	"				
B16	Str.	16	16	#4	26.2	Pinthrs					B46	"	10	13	#4	11.11	"				
B17	"	8		#4	29.10	Roadway Ledge					B47	"	4		#4	10.3	"				
B18	Str.	59		#5	5.6	"					B48	"	4	3	#4	10.3	"				
B19	"	54		#5	5.6	"					B49	"	6	2	#4	10.11	"				
B20	Str.	8		#4	27.7	"					B50	"	3		#4	10.1	"				
B21	"	2		#4	13.6	Longitudinals-End Walls					B51	"	3		#4	10.5	"				
B22	"	4	4	#4	21.0	"					B52	"	5		#4	11.11	"				
B23	"	2		#4	16.0	"					B53	"	2		#4	11.3	"				
B24	"	8	8	#4	7.6	"					B54	Str.	45	45	#4	55.3	Beams				
B25	"	9		#4	31.8	"					B55	Str.	9	9	#4	46.4	"	4 8 1/4	31 10 1/4	3 3 3/4	43.7
B26	"	2	4	#4	10.9	"					B56	"	18	4	#4	52.4	"	4 8 1/4	37 10 1/4	3 3 3/4	49.7
B27	"	2		#4	10.7	"					B57	Str.	18	18	#4	56.10	"				
B28	"	18		#4	27.7	"					B58	"	14	14	#4	52.4	"	4 8 1/4	37 10 1/4	3 3 3/4	49.7
B29	"	2		#4	10.6	"					B59	Str.	243	243	#4	10.4	Beam Stirrups				
B30	"	18		#4	27.6	"					L1	Str.	6		#8	5.3	Outrigger for Lamp				
											L2	"	4		#5	7.8	"	2 3 1/2	1.2		
											L3	Str.	4		#4	1.9	"				

SECTION THRU PLATES ON
OF BEAM AT PIER NO. 2

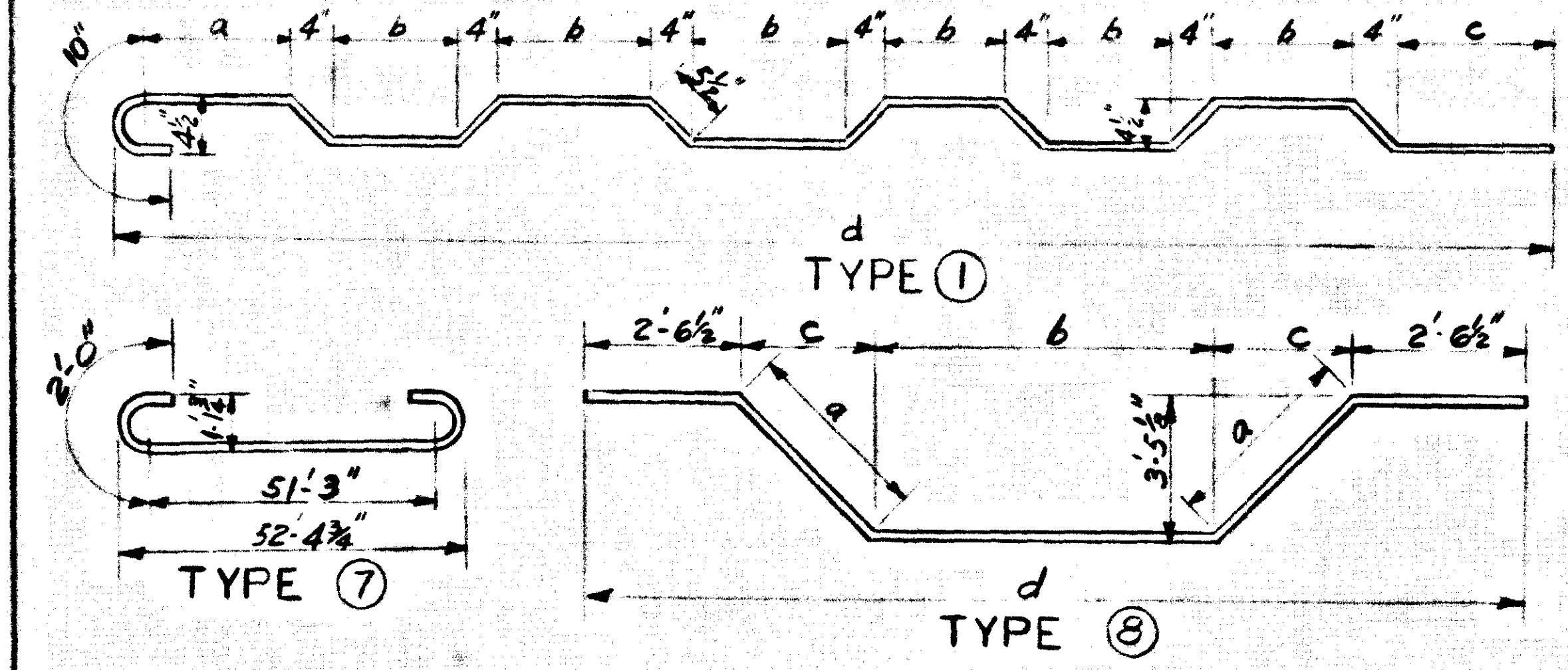


SECTION THRU PLATES ON
OF BEAM AT PIER NO. 1



BRONZE PLATE DETAILS

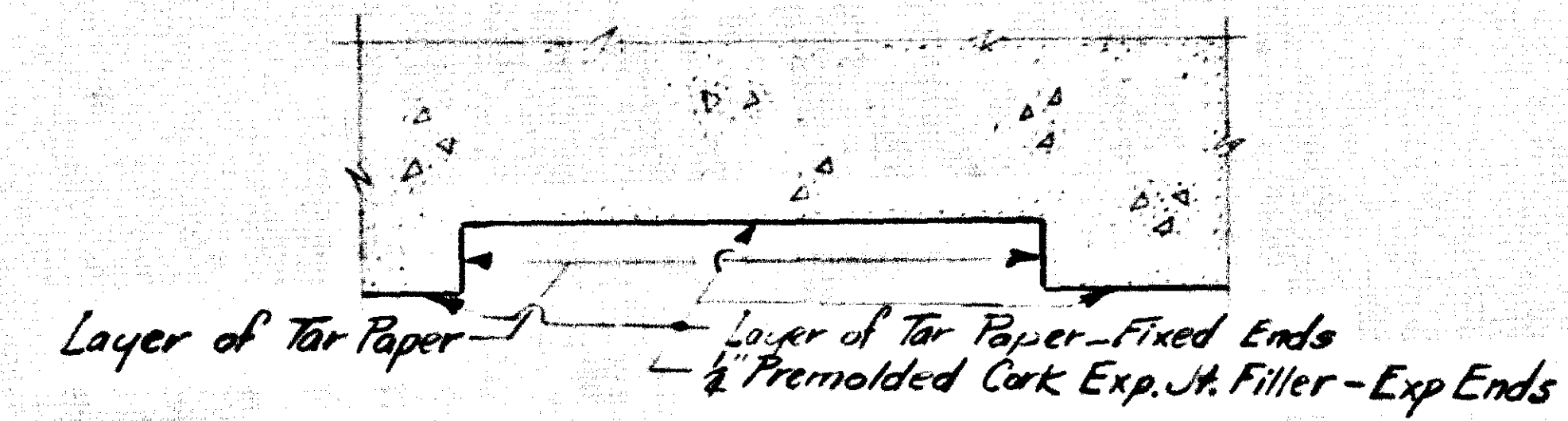
All plates to be A.S.T.M., B22 class "C" or B 100 type 1 or 2 current specifications with sliding surfaces finely polished. Machine Bolts to be furnished but are not included in the weight of plates given. Cost of Bolts to be included in unit price bid for Plates.



ESTIMATE OF QUANTITIES

ITEM	SPAN 1 *	SPAN 2	SPAN 3 *
Concrete, Class "A" (C.Y.)	227.6	214.3	221.4
Reinforcement (LBS.)	48614	45351	46501

* Includes wing quantities



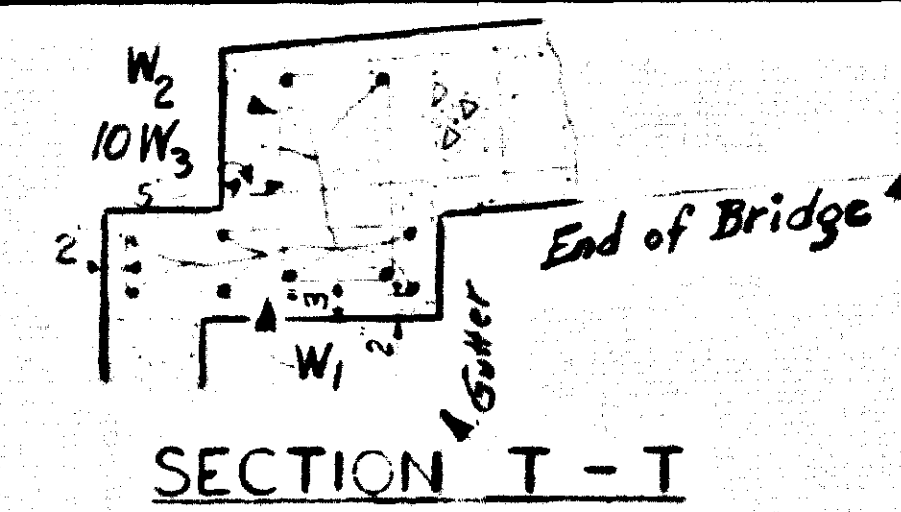
DETAILS OF SHEAR KEY NOTCH

DETAILS - NORTHBOUND BRIDGE

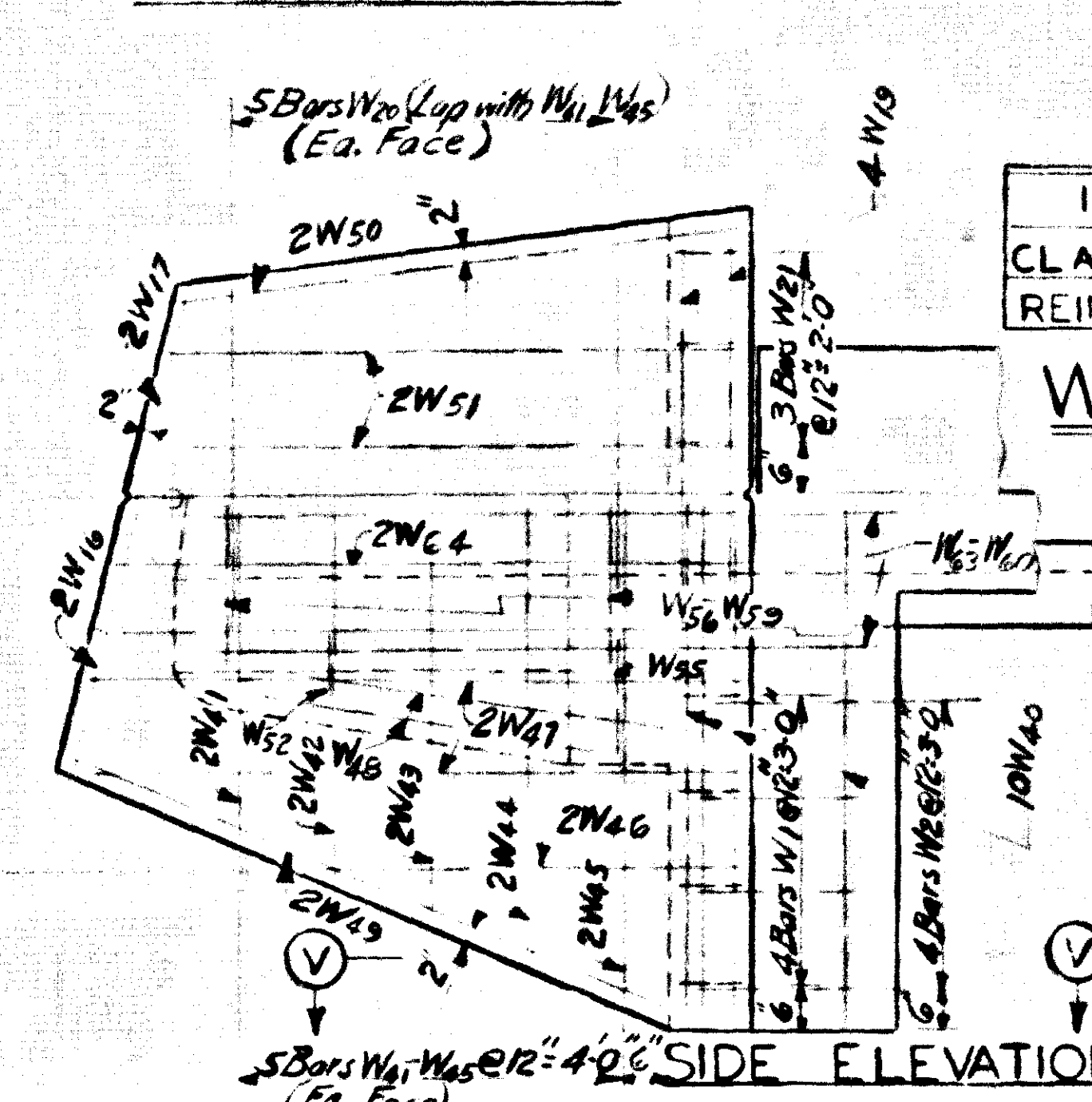
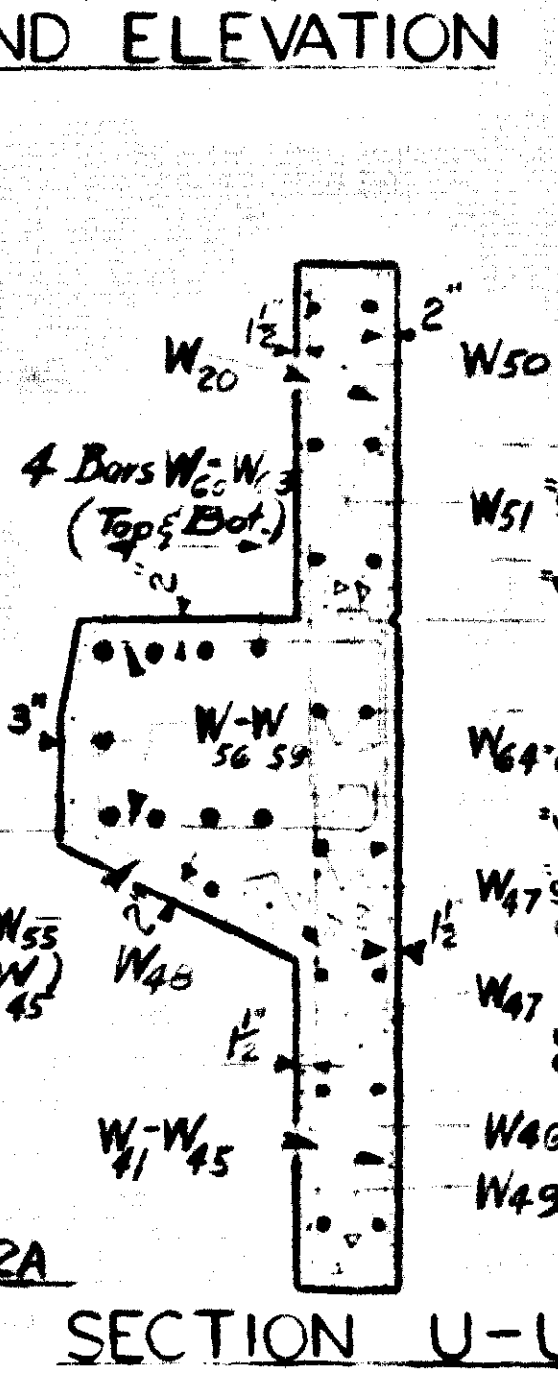
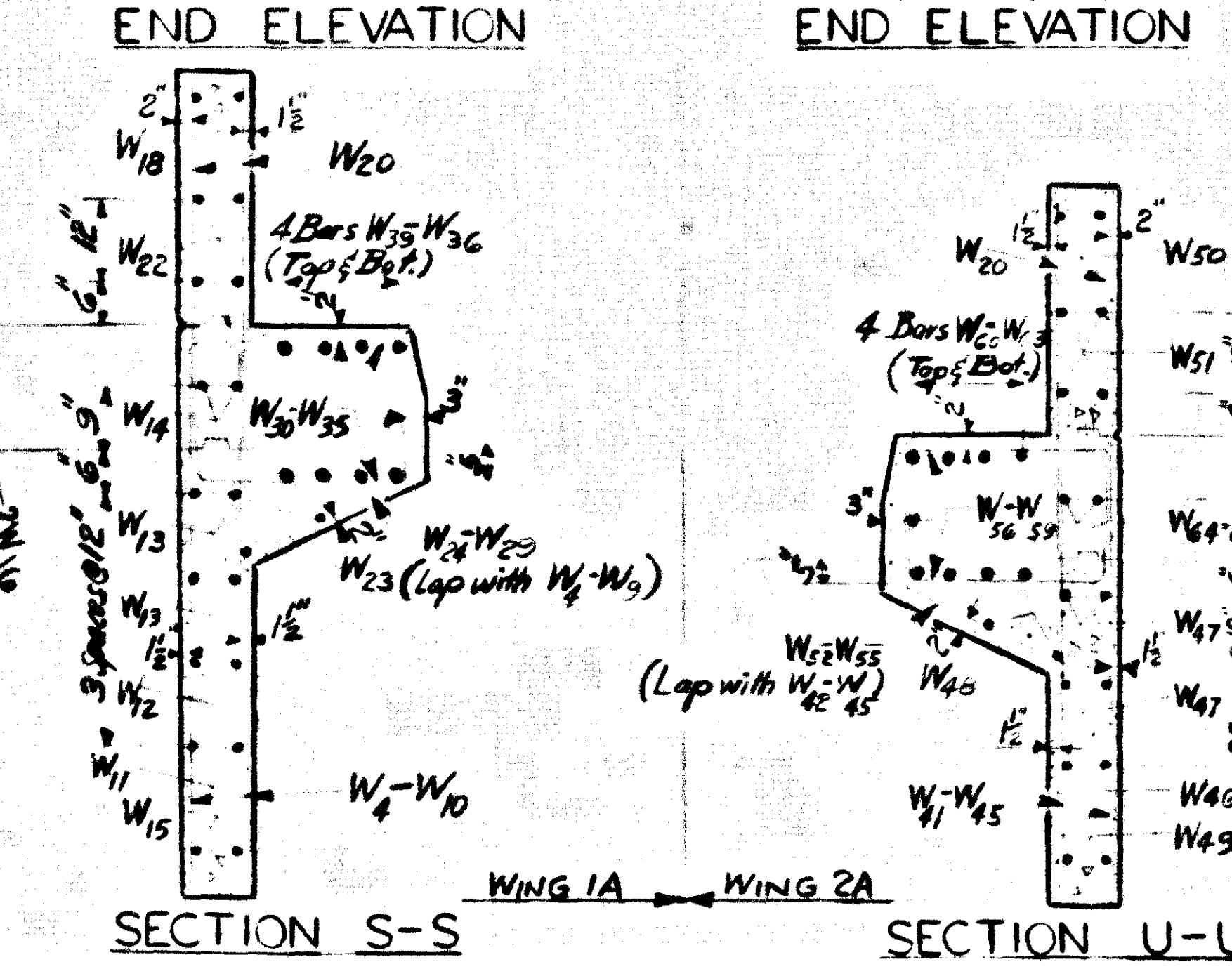
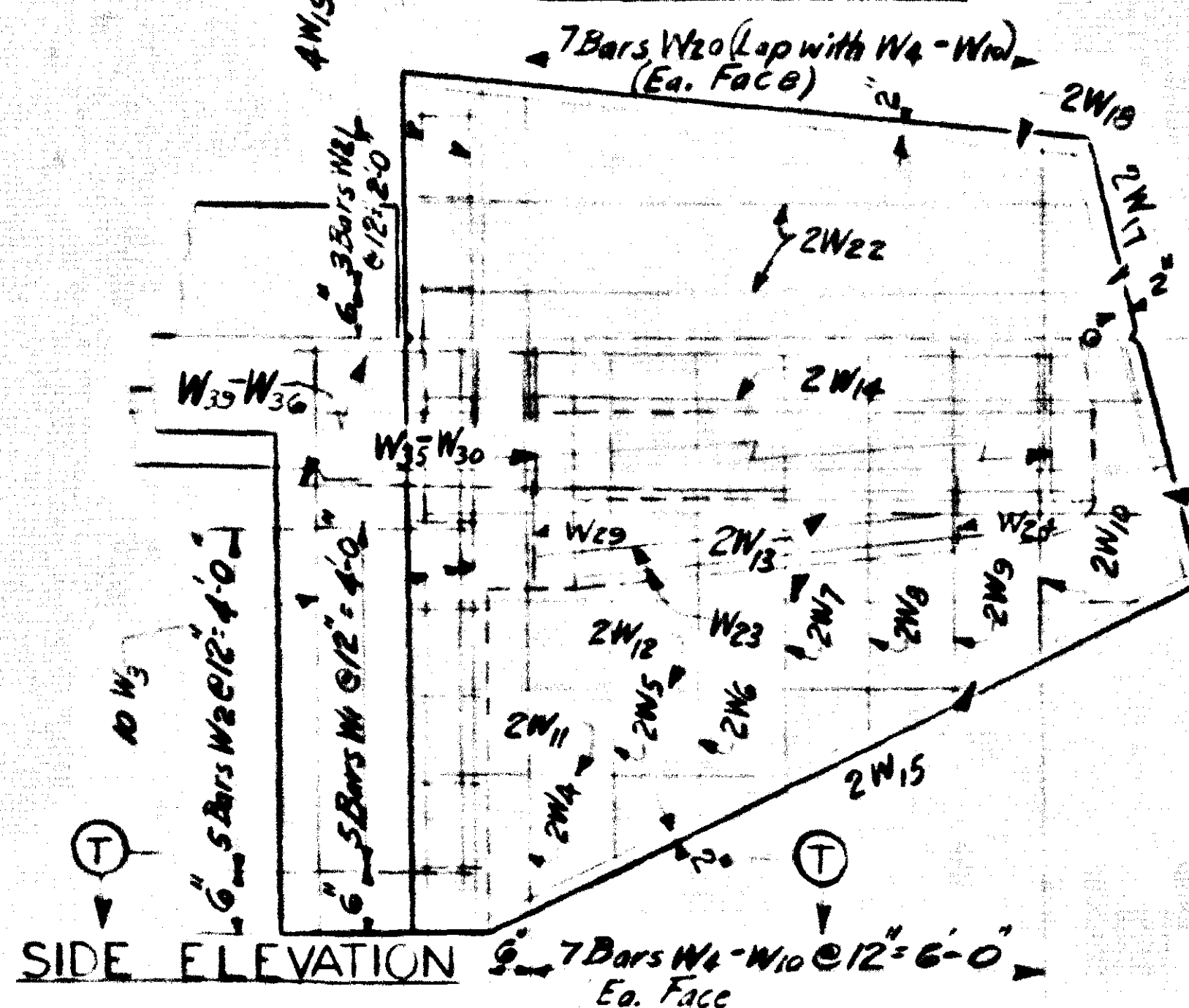
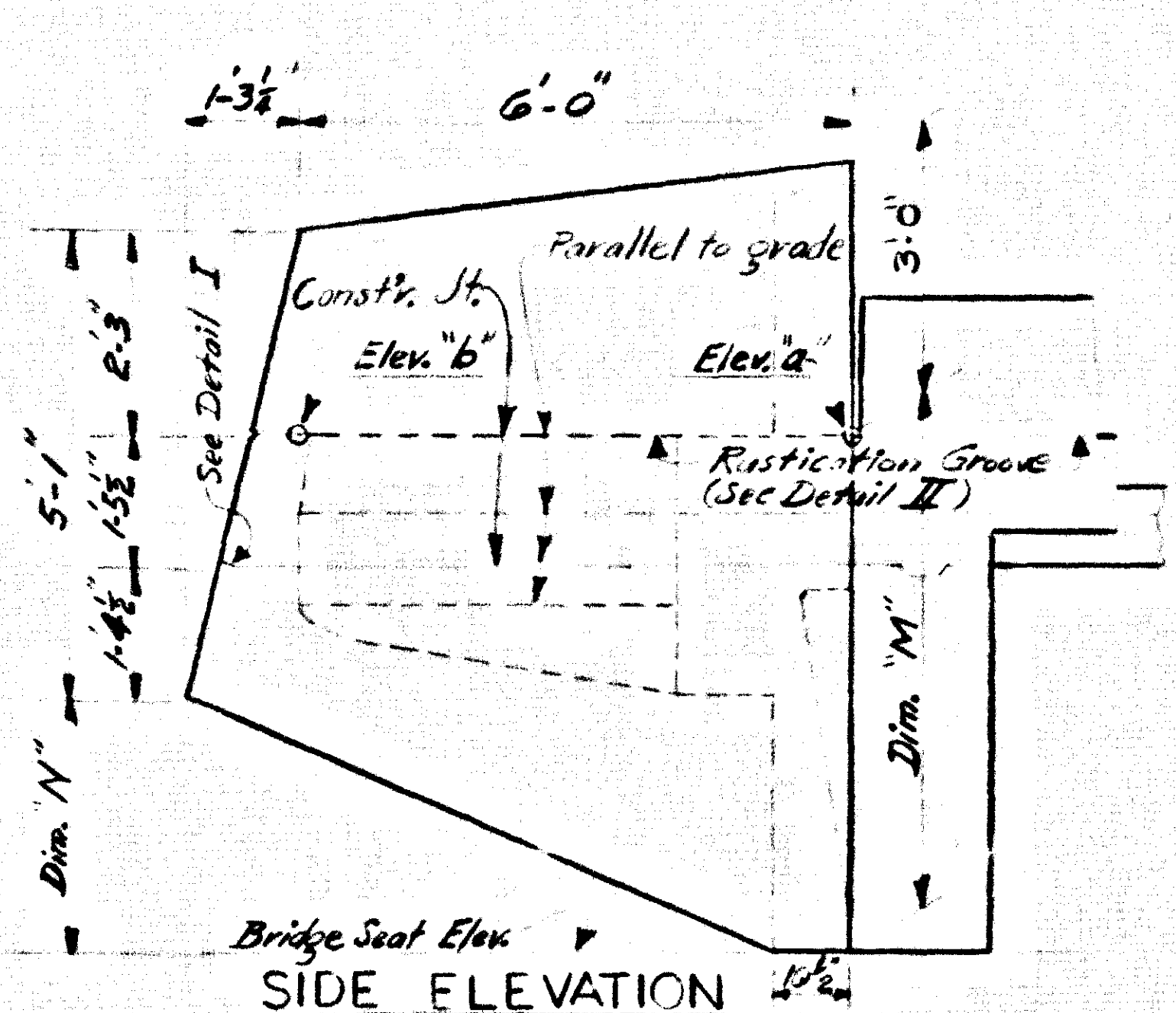
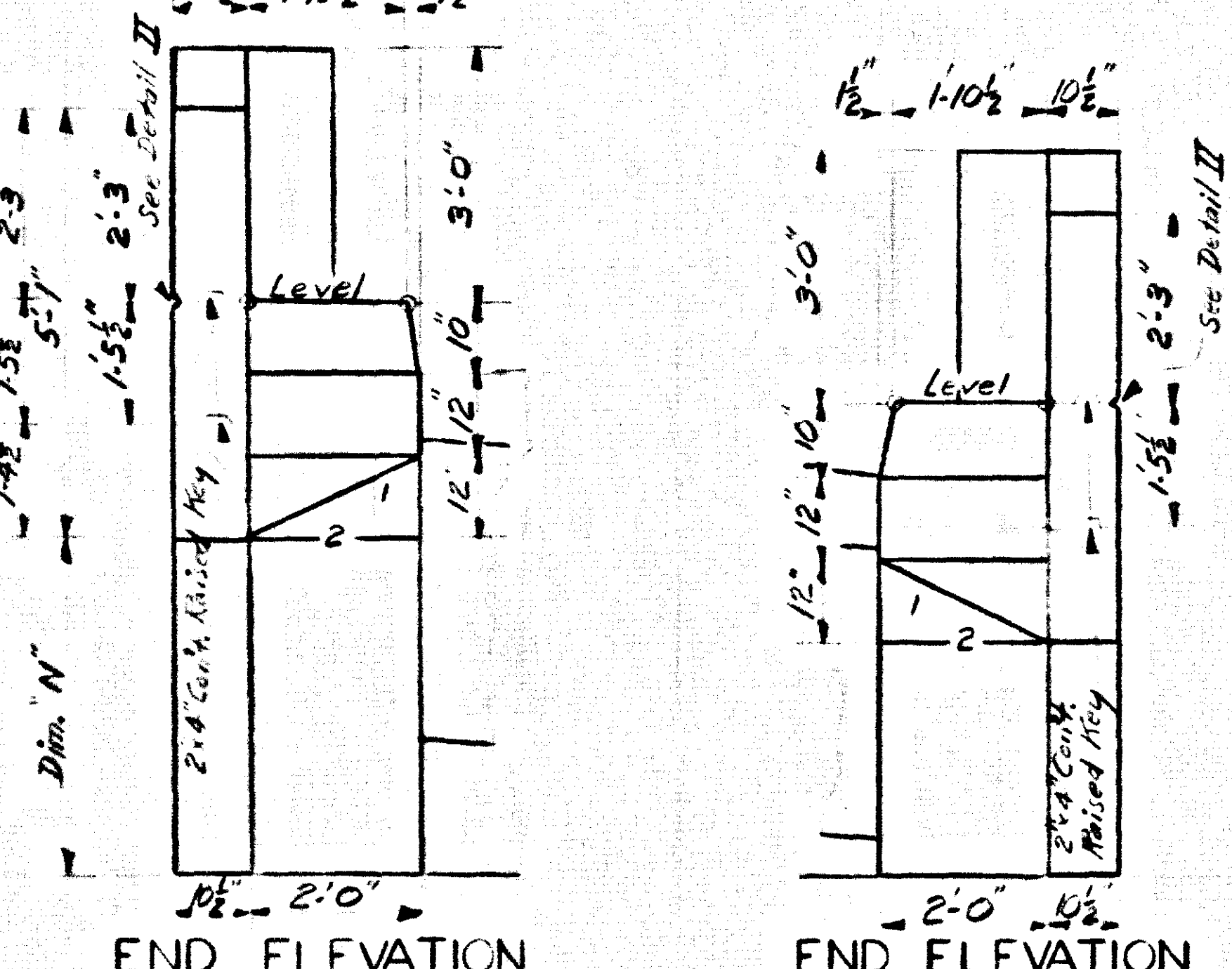
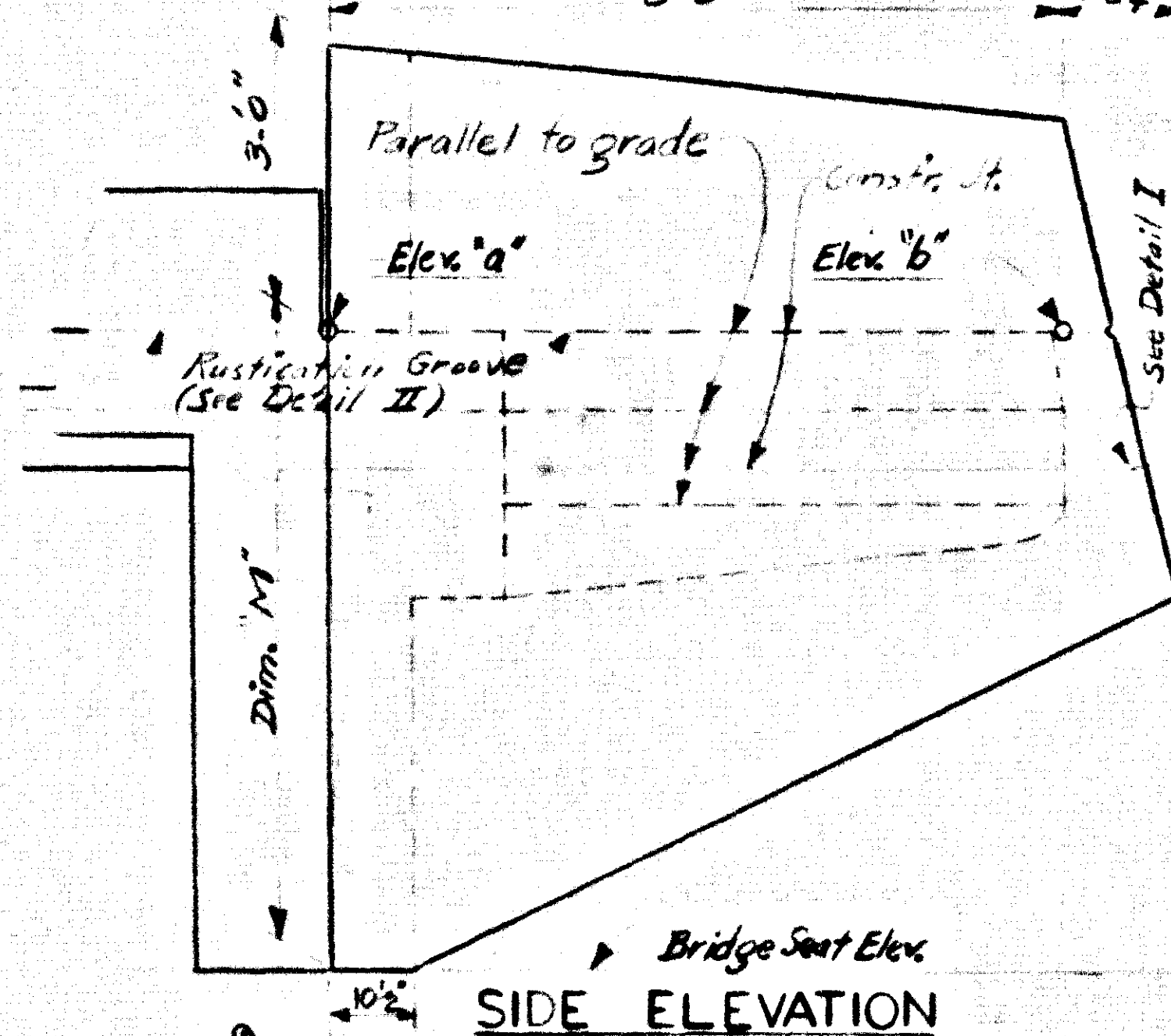
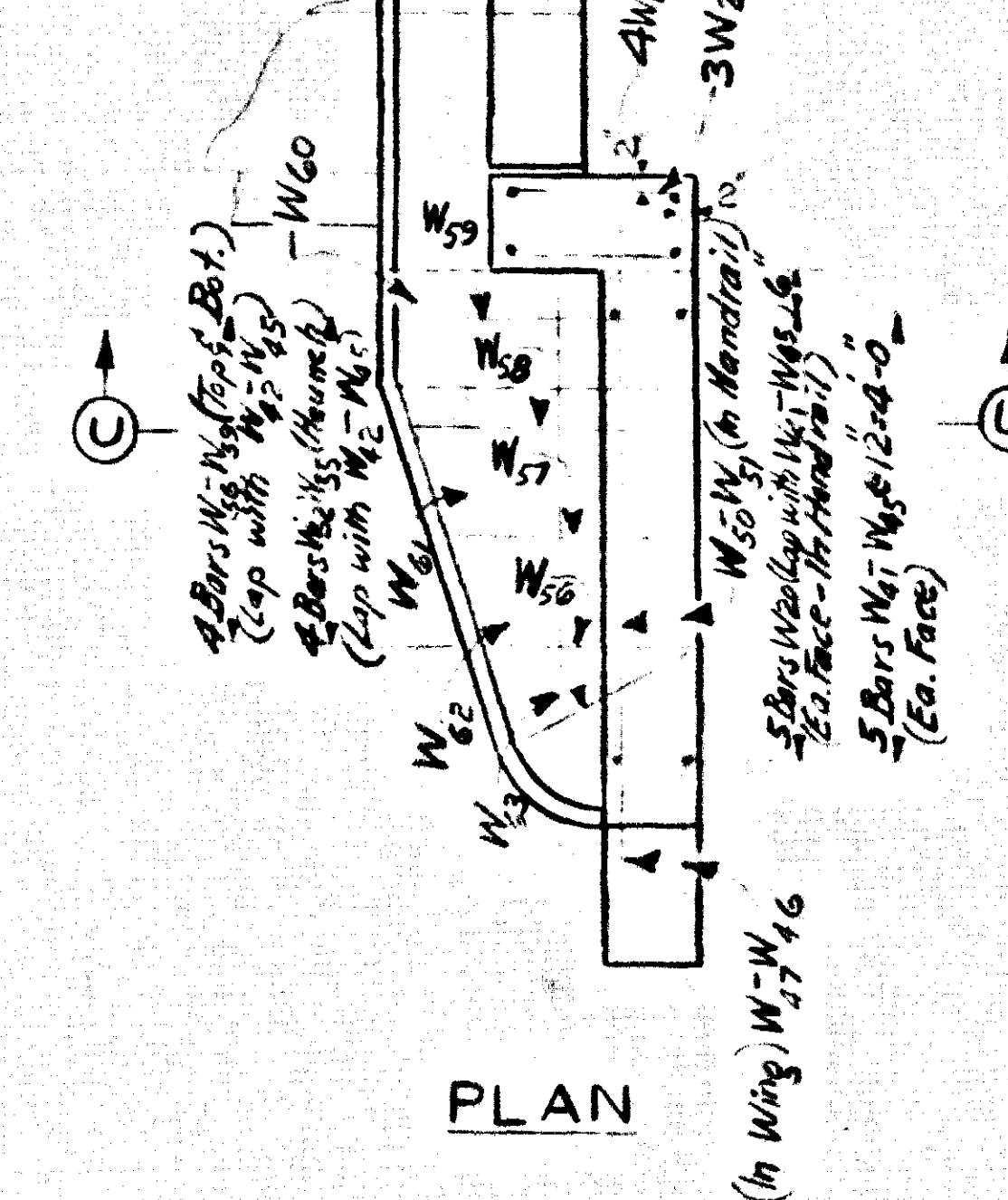
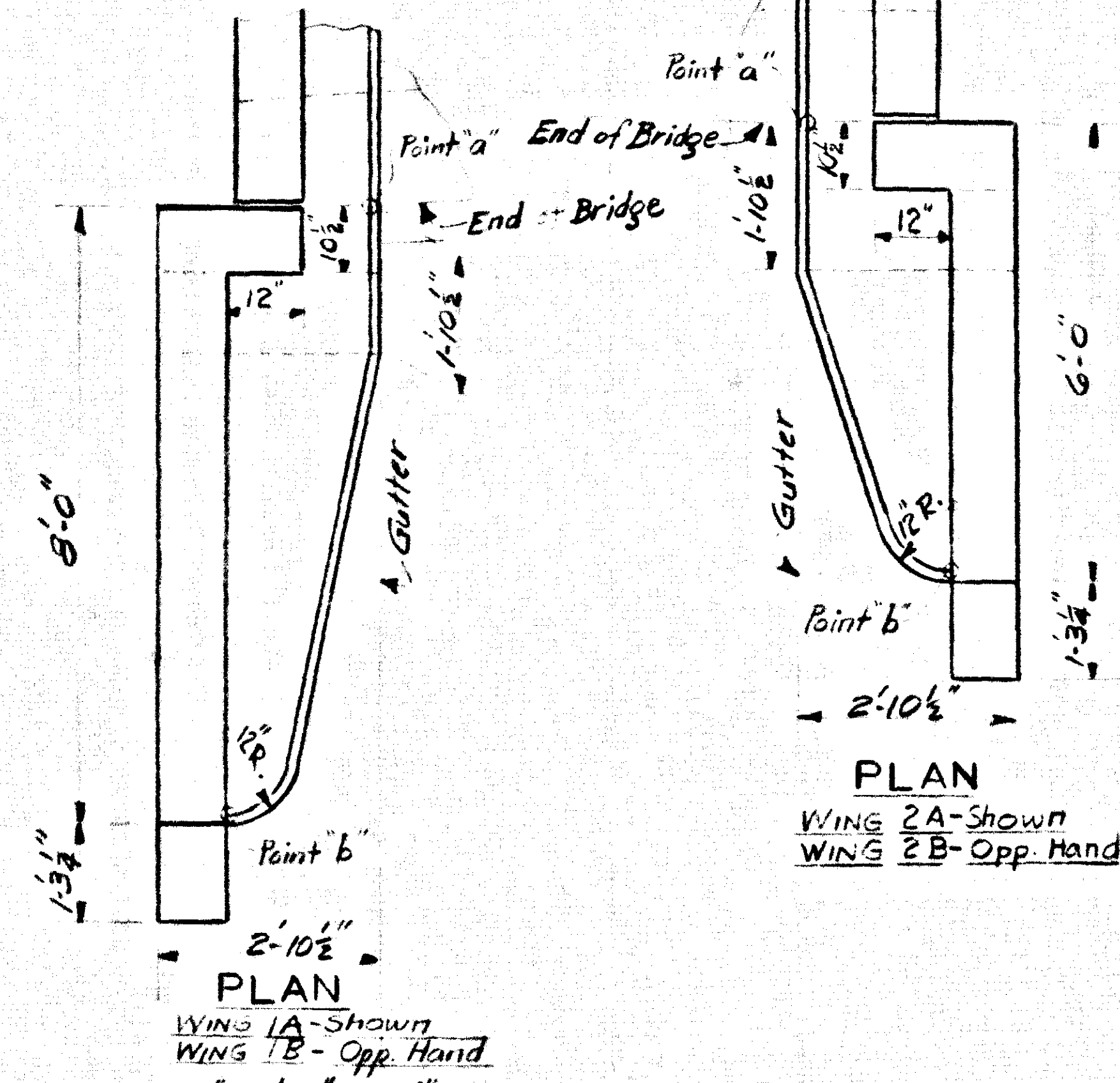
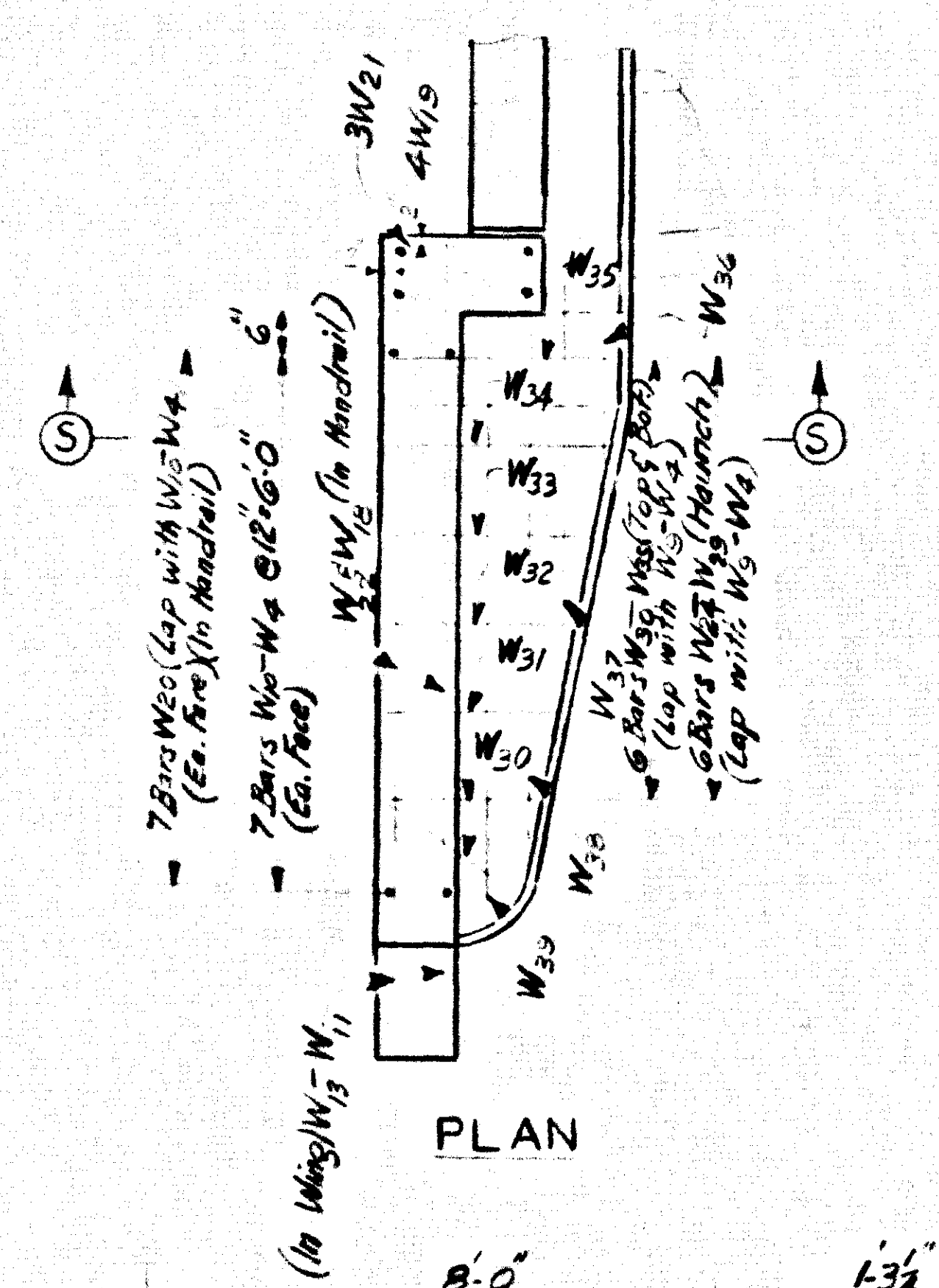
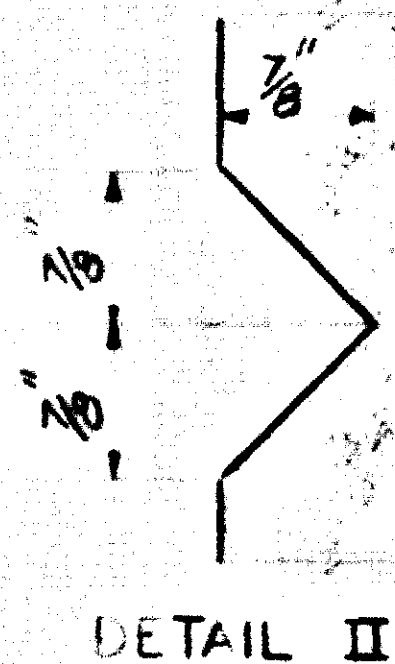
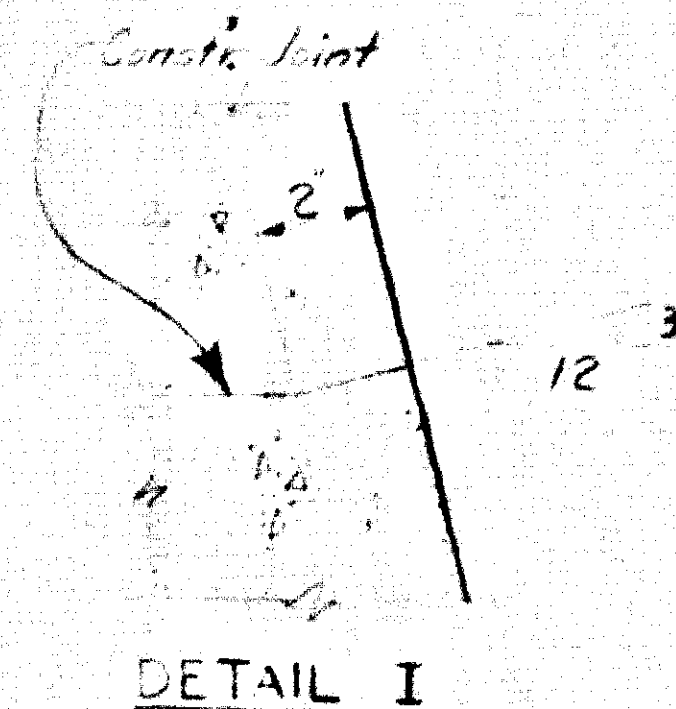
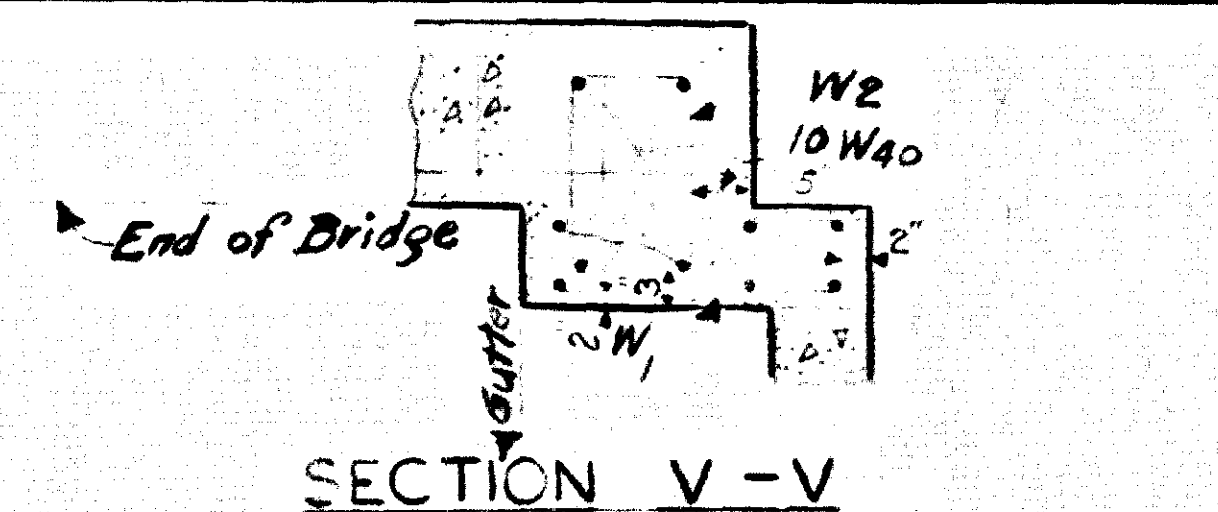
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
JEFFERSON
LOUISVILLE - COVINGTON
ROAD
STATION 431+54.30 I-71
50+00 Mockingbird Valley Rd. PROJECT NO.
BRIDGE NUMBER
NO. 16155

NORTHBOUND BRIDGE

Wing	Identification	Dr. Seat Elev.	Elev. "a"	Elev. "b"	Dim. "M"	Dim. "N"
1A		454.141	460.905	460.948	6'-9 1/2"	3'-11 1/2"
1B (Opp. Hand 1A)		453.495	460.047	460.004	6'-6 3/8"	3'-8 3/8"
2A		454.141	459.742	459.774	5'-7 3/8"	2'-9 3/8"
2B (Opp. Hand 2A)		453.495	459.081	459.049	5'-7 3/8"	2'-8 3/8"



WING 1A WING 2A

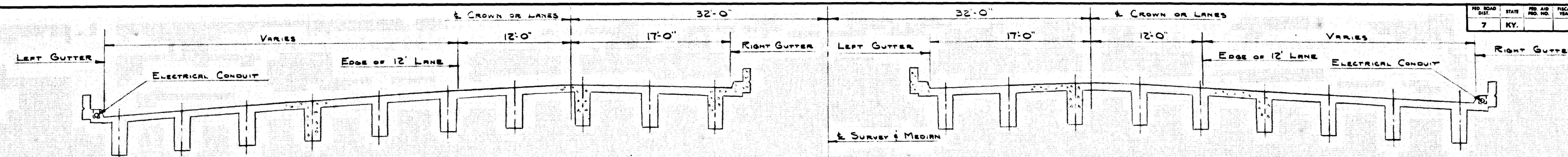


BILL OF REINFORCEMENT									
4 WINGS NORTH BRIDGE									
MARK	TYPE	No.	SIZE	LENGTH FT. IN.	LOCATION	4	6	8	10
W1	①	18	#5	6 11	Base of Wings 1 & 2	0 6 1/2	2 6		
W2	"	18	#5	6 7	"	1 2	1 9		
W3	Str.	20	#6	6 4	Verticals - Wing 1				
W4	"	4	#4	6 2	"				
W5	"	4	#4	6 3	"				
W6	"	4	#4	6 3	"				
W7	"	4	#4	6 9	"				
W8	"	4	#4	6 10	"				
W9	"	4	#4	6 5	"				
W10	"	4	#4	6 2	"				
W11	"	4	#4	6 3	Horizontals - Wing 1				
W12	"	4	#4	6 3	"				
W13	"	8	#4	6 4	"				
W14	"	4	#4	6 3	"				
W15	"	4	#4	6 9	Slopes - Wing 1				
W16	"	8	#5	2 8	" - Wings 1 & 2				
W17	"	8	#5	7 3	" - Wing 1				
W18	"	4	#5	3 8	" - Wing 1				
W19	"	16	#5	4 1	Handrail Verticals - Wings 1 & 2				
W20	"	43	#5	3 8	"				
W21	"	12	#4	4 11	" Horizontals - Wings 1 & 2	0 6 1/2	1 6 1/2		
W22	Str.	9	#4	7 9	" - Wing 1				
W23	"	4	#4	4 2	Haunch Horizontals - Wing 1				
W24	②	2	#4	4 2	"	1 11	2 0 3/4		
W25	"	2	#4	4 5	"	2 3	2 3 3/4		
W26	"	2	#4	4 6	"	2 3	2 4 3/4		
W27	"	2	#4	4 8	"	2 3	2 6 3/4		
W28	"	2	#4	4 10	"	2 7	2 8 3/4		
W29	"	2	#4	4 11	"	2 8	2 9 3/4		
W30	③	8	#5	4 1	Curb Ties - Wing 1	1 9			
W31	"	4	#5	4 3	"	1 11			
W32	"	4	#5	4 5	"	2 1			
W33	"	4	#5	4 7	"	2 3			
W34	"	4	#5	4 9	"	2 5			
W35	"	4	#5	4 10	"	2 6			
W36	Str.	4	#8	4 0	Main Longitudinal - Wing 1				
W37	"	4	#8	4 0	"				
W38	"	4	#8	4 0	"				
W39	"	4	#8	4 0	"				
W40	"	20	#6	5 4	Verticals - Wing 2				
W41	"	4	#4	3 4	"				
W42	"	4	#4	3 9	"				
W43	"	4	#4	4 2	"				
W44	"	4	#4	4 7	"				
W45	"	4	#4	5 0	"				
W46	"	4	#4	4 3	Horizontals - Wing 2				
W47	"	8	#4	6 8	"				
W48	"	4	#4	3 6	Haunch Horizontals - Wing 2				
W49	"	4	#4	3 9	"				
W50	"	4	#5	5 10	Handrail Horizontals - Wing 2				
W51	"	8	#4	3 1	Haunch Ties - Wing 2	1 10	1 11 3/4		
W52	②	2	#4	3 5	"	2 3	2 3 3/4		
W53	"	2	#4	3 9	"	2 7	2 7 3/4		
W54	"	2	#4	4 0	"	2 8	2 8 3/4		
W55	③	8	#5	4 0	Curb Ties - Wing 2	2 0			
W56	"	4	#5	4 8	"	2 4			
W57	"	4	#5	4 10	"	2 6			
W58	"	4	#5	4 10	"				
W59	"	4	#5	4 10	"				
W60	Str.	4	#8	6 0	Main Longitudinal - Wing 2				
W61	"	4	#8	6 3	"				
W62	"	4	#8	7 0	"				
W63	"	4	#8	7 0	"				
W64	"	4	#4	6 5	Horizontals - Wing 2				

ESTIMATE OF QUANTITIES				
ITEM	WING 1A	WING 2A	WING 1B	WING 2B
CLASS "A" CONCRETE, C.Y.	3.7	2.7	3.6	2.7
REINFORCEMENT, LBS.	626	486	626	486

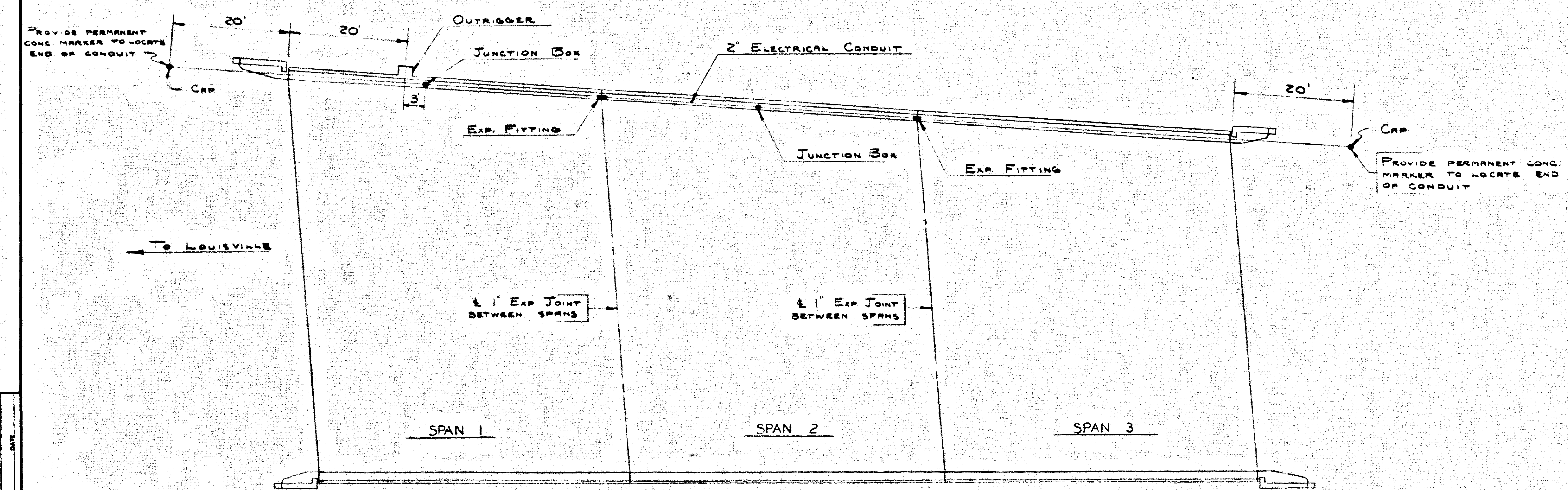
WING DETAILS - NORTHBOUND BRIDGE

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
JEFFERSON
LOUISVILLE - COVINGTON ROAD
STATION 431+54.30 I-71
PROJECT NO. 70006 Mockingbird Valley Rd
BRIDGE NUMBER 15155

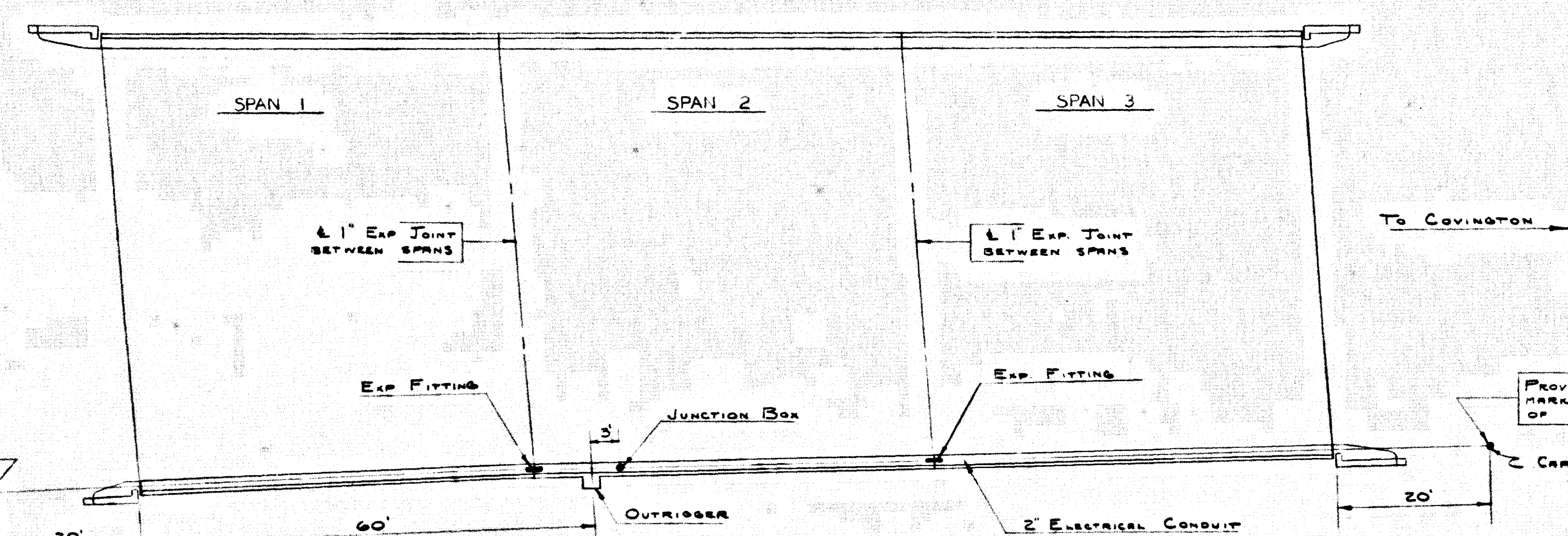


SOUTHBOUND BRIDGE

NORTHBOUND BRIDGE



PLAN ~ SOUTHBOUND BRIDGE



PLAN ~ NORTHBOUND BRIDGE

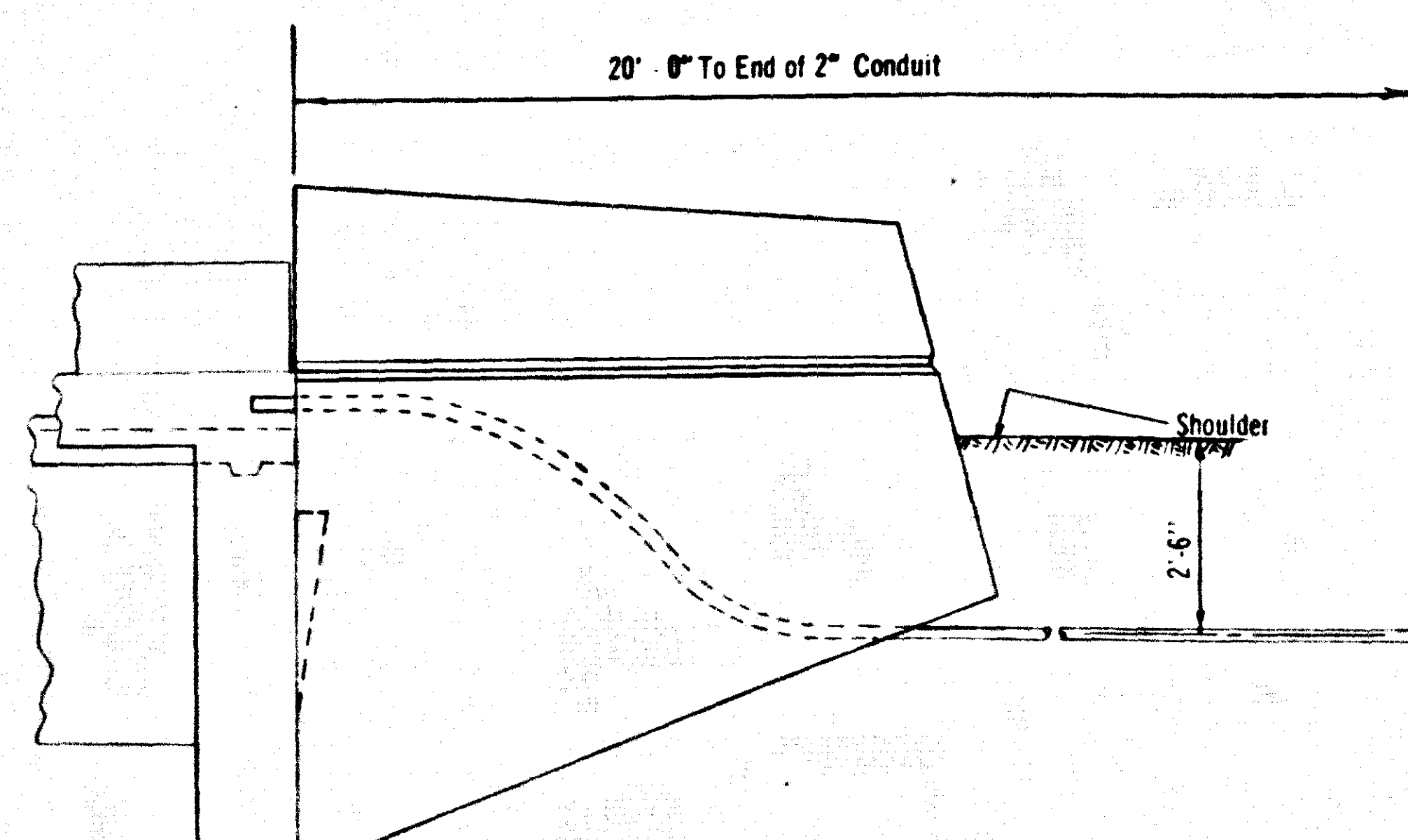
ELECTRICAL LAYOUT

DESIGNED BY: R. L. Mc DANIEL, CHECKED BY: J. B. BELL, DATE: 2/14/55
 TRACED BY: DATE: 2/14/55

1.71 OVER HICKINGBIRD VALLEY ROAD SHEET 30

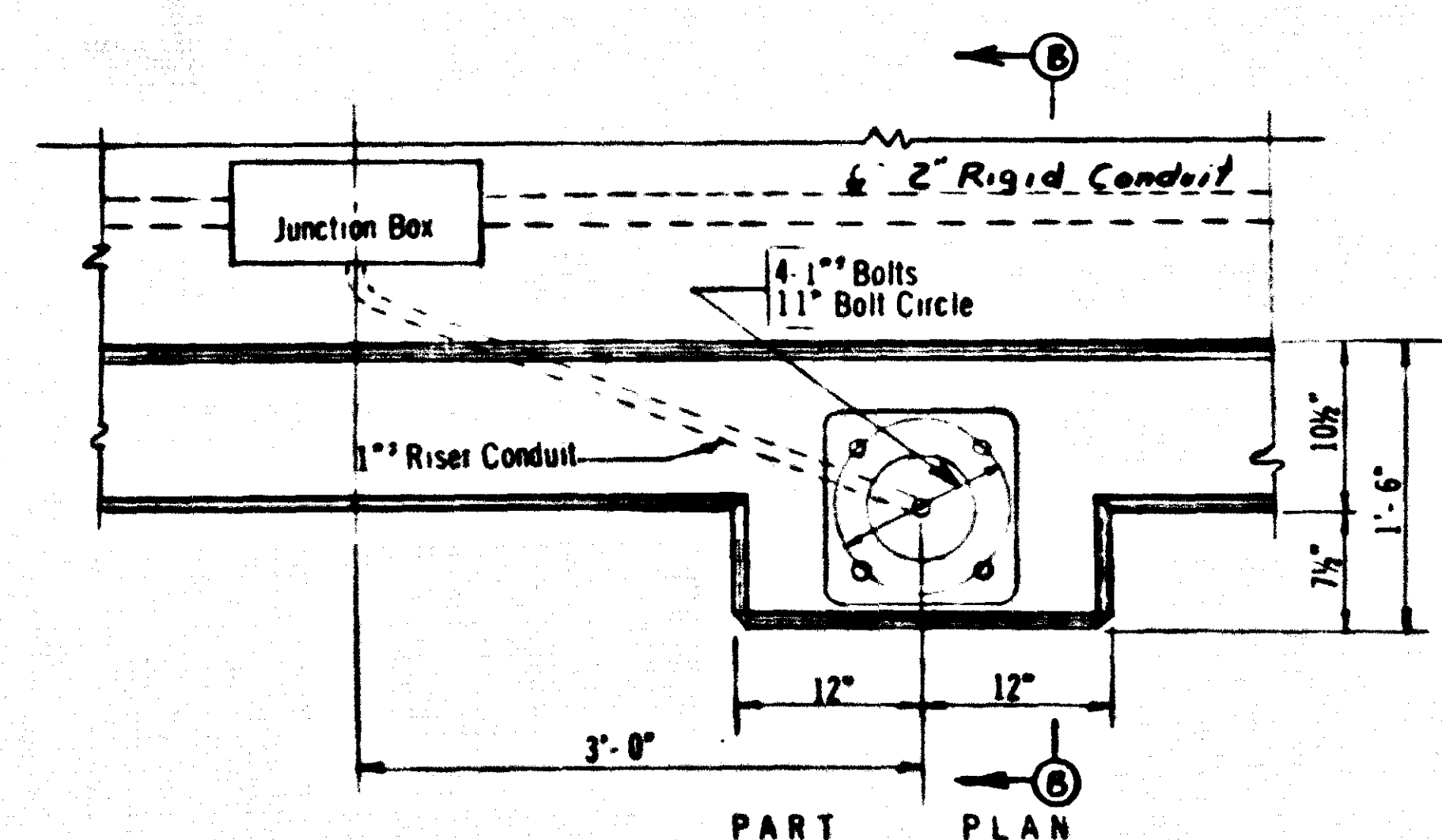
COMMONWEALTH OF KENTUCKY
 DEPARTMENT OF HIGHWAYS
 FRANKFORT
 COUNTY OF
JEFFERSON
 LOUISVILLE - COVINGTON
 ROAD

STATION 431+54.30 ± 71' PROJECT NO. 1000
 BRIDGE NUMBER 16155

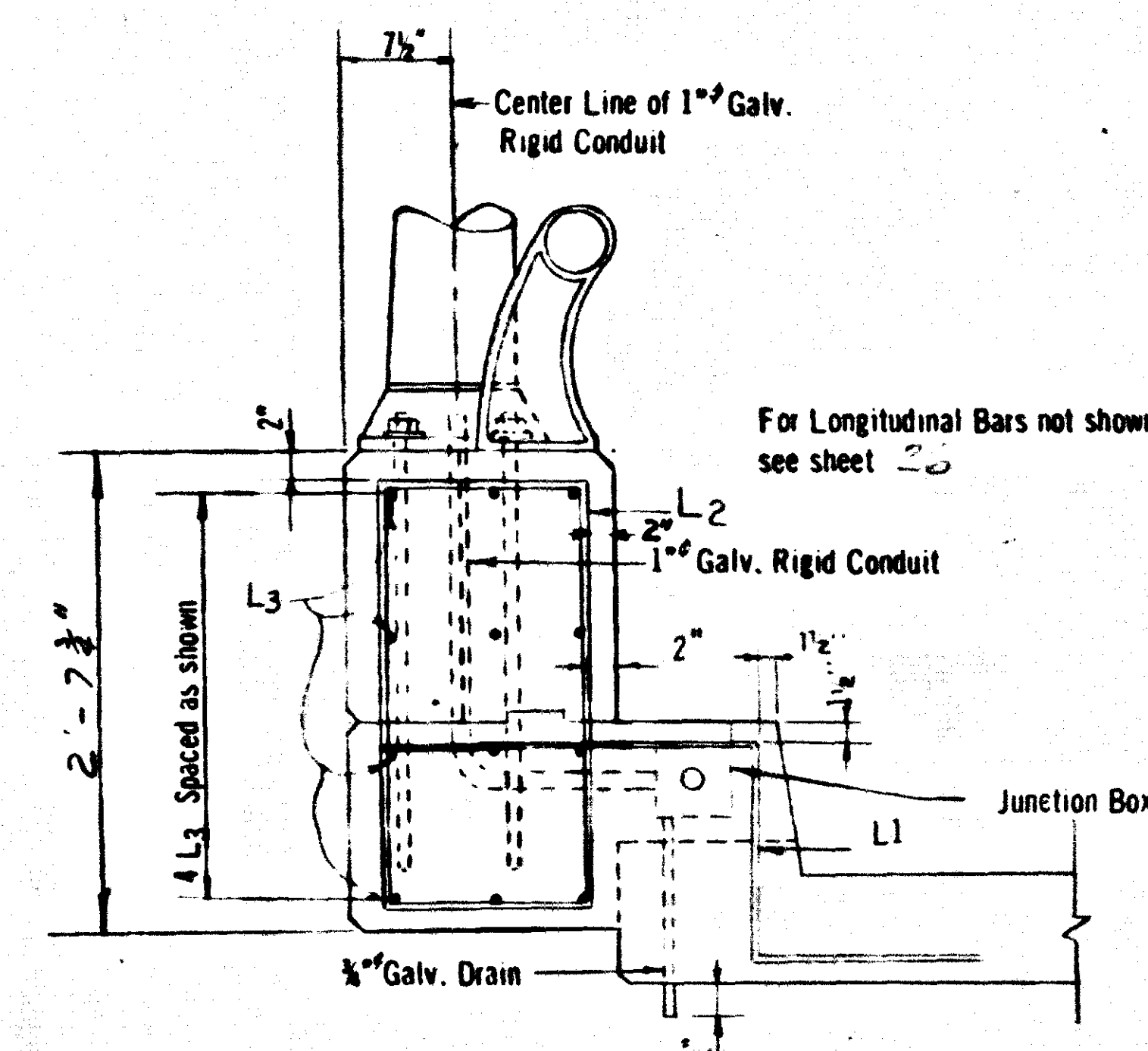


ELEVATION A A
(TYPICAL)

NOTE See sheet 20 for location of junction box

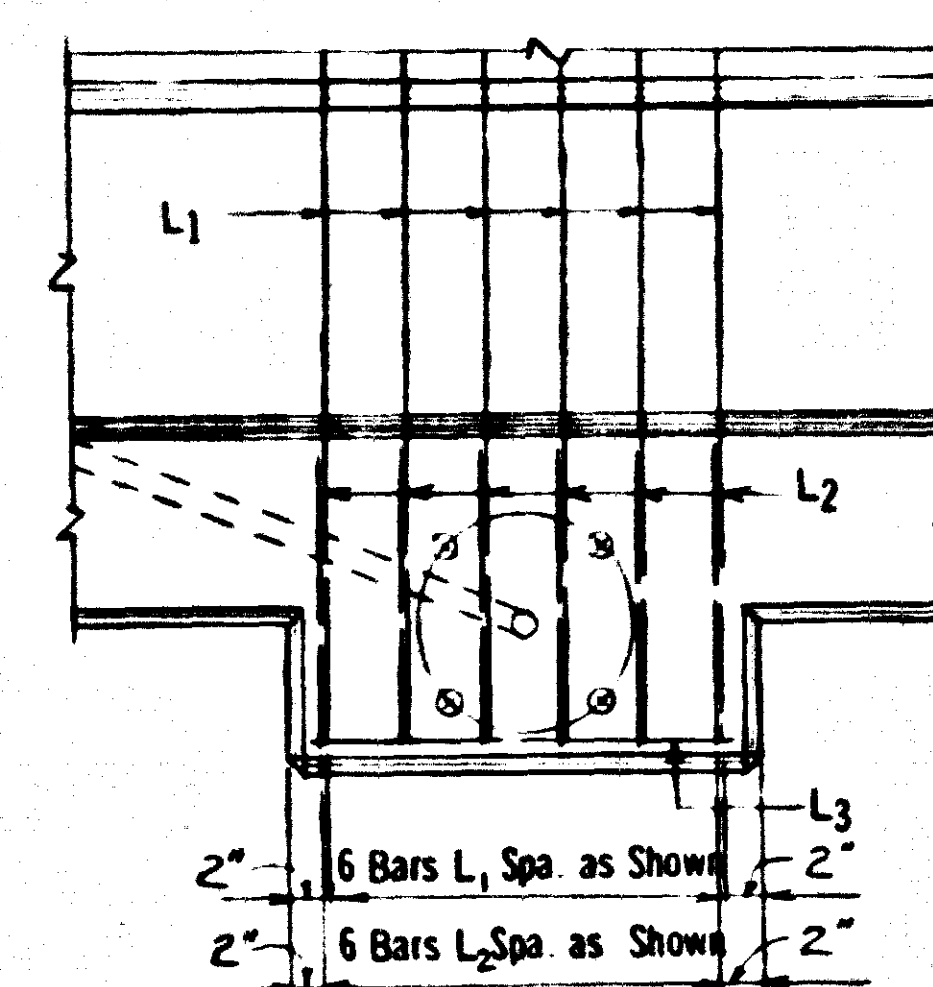


PART PLAN

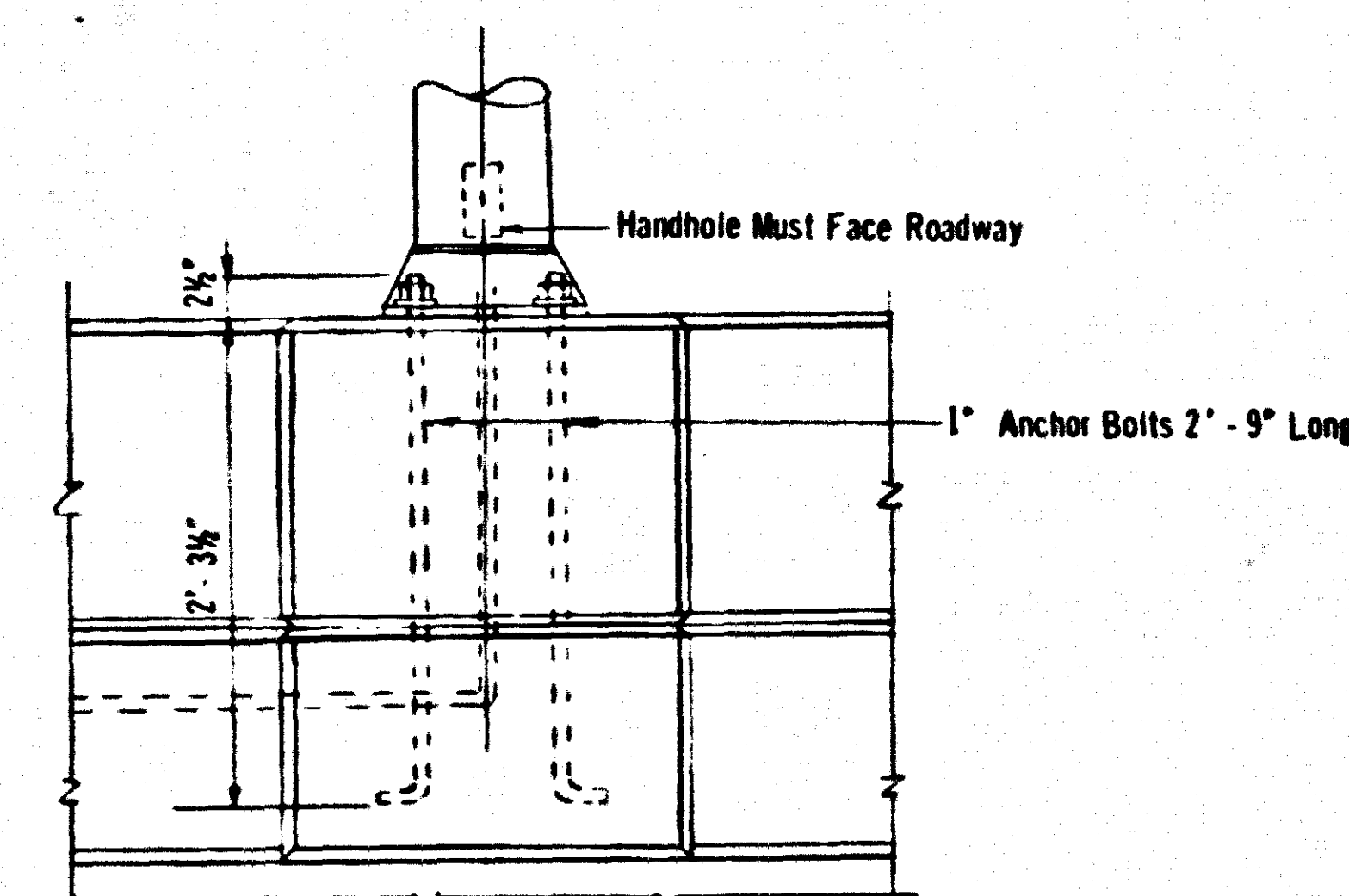


SECTION B-B

NOTE: Junction boxes and conduit are to be placed so as to interfere with a minimum amount of reinforcement. Bend where necessary.



PART PLAN
Showing Reinforcement in Outrigger



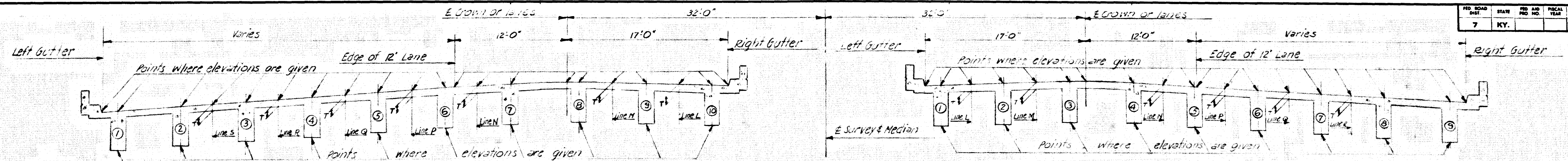
PART ELEVATION

ESTIMATE OF QUANTITIES (BOTH BRIDGES)

2" GALV. RIGID CONDUIT	415 LIN. FT.
1" GALV. RIGID CONDUIT	11 LIN. FT.
1/2" GALV. RIGID CONDUIT (Drip Drains)	2 LIN. FT.
16" x 6" x 6" JUNCTION BOXES (QZ Electrical Type YU or approved equal)	3 EACH
EXPANSION FITTING (Crouse-Hinds XJ641 with GC 100 grounding strap)	4 EACH
2" GALV. CONDUIT CAPS	4 EACH
1" GALV. CONDUIT CAPS	2 EACH
1" x 2'-9" ANCHOR BOLTS, NUTS, AND WASHERS	8 EACH
PERMANENT CONCRETE MARKERS	4 EACH

1-71 over Mockingbird Valley Road		SHEET 3
COMMONWEALTH OF KENTUCKY		
DEPARTMENT OF HIGHWAYS		
FRANKFORT		
COUNTY OF		
JEFFERSON		
LOUISVILLE COVINGTON		
ROAD		
431 + 54 30 1-71 -		
STATION	50 + 00 Mockingbird Valley Rd.	PROJECT NO.
BRIDGE NUMBER		NO. 16155

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

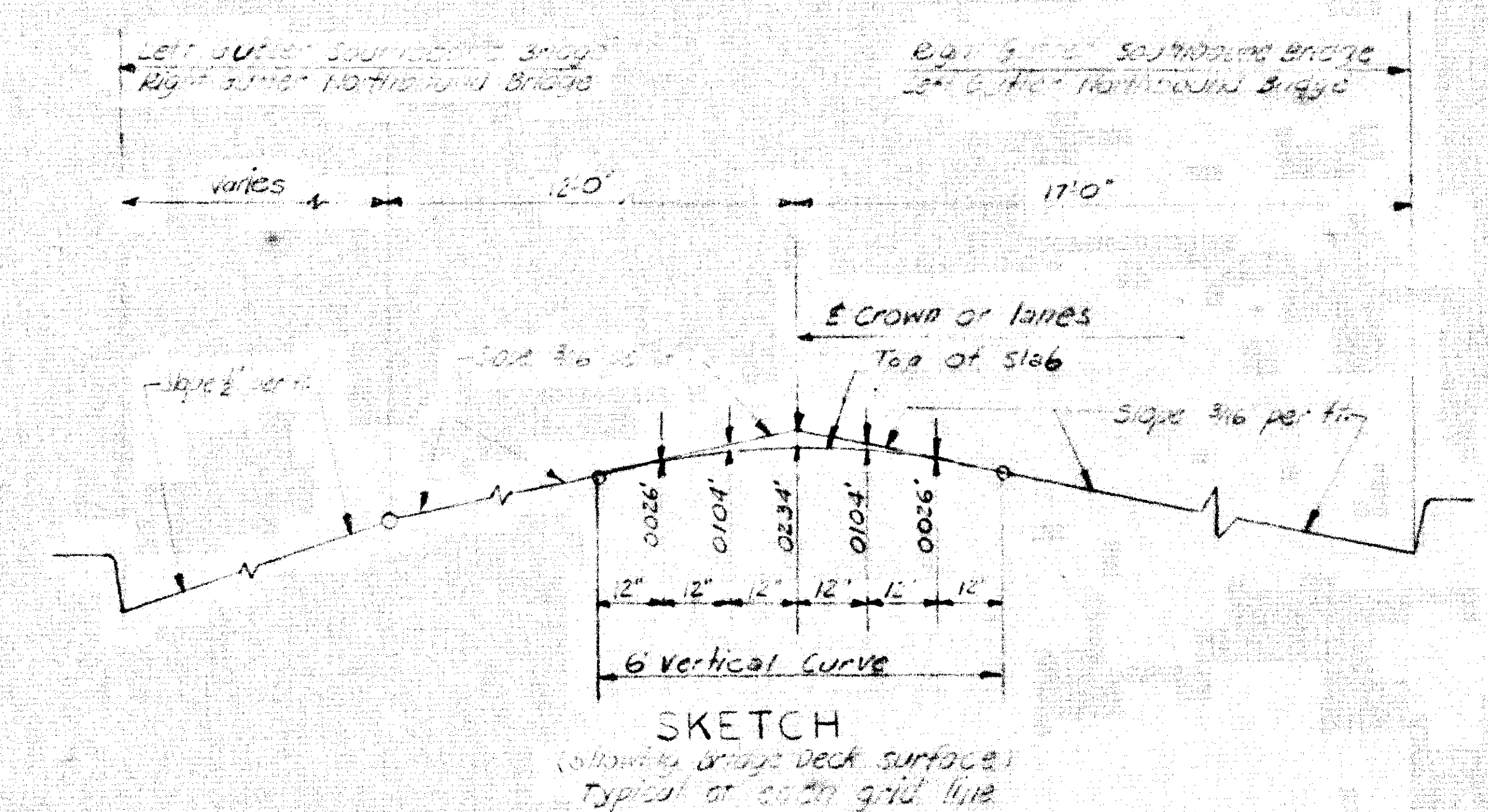
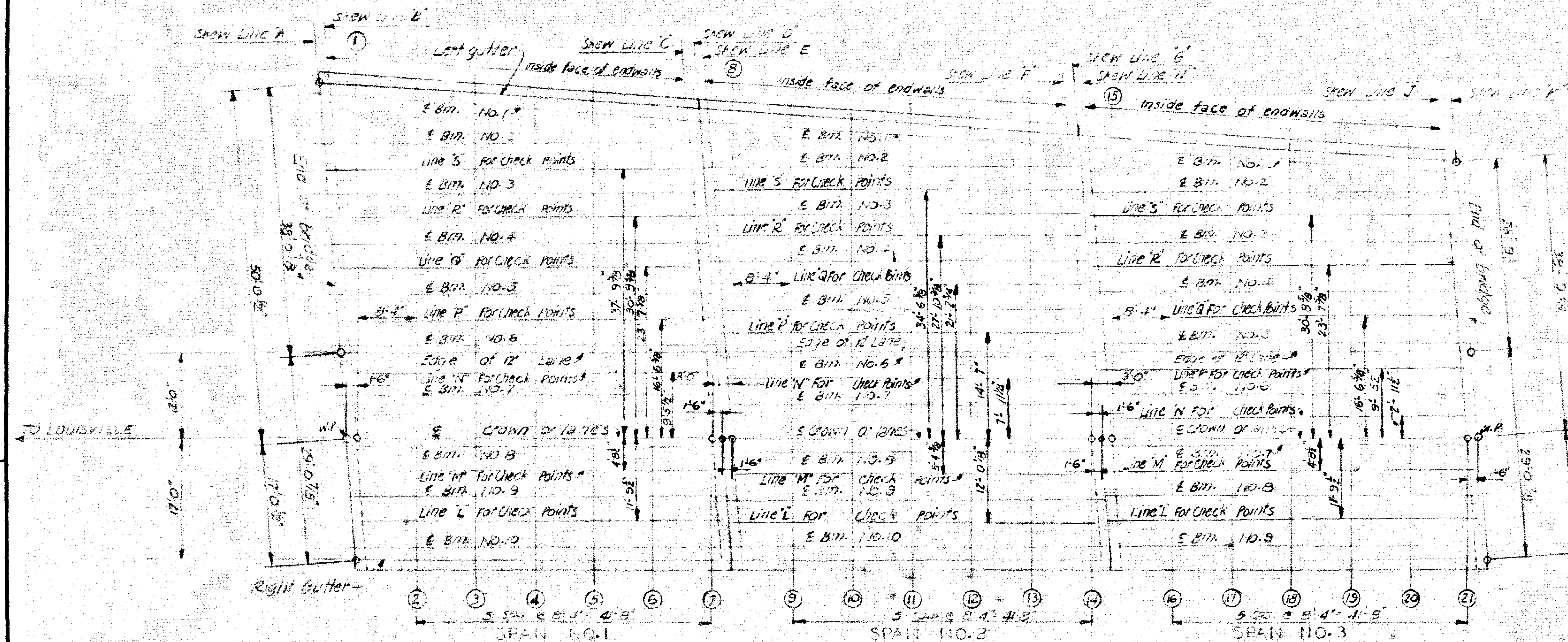


NOTE:
Southbound bridge cross section shown
for spans 1 and 2. Span 3 similar except
for number of beams.

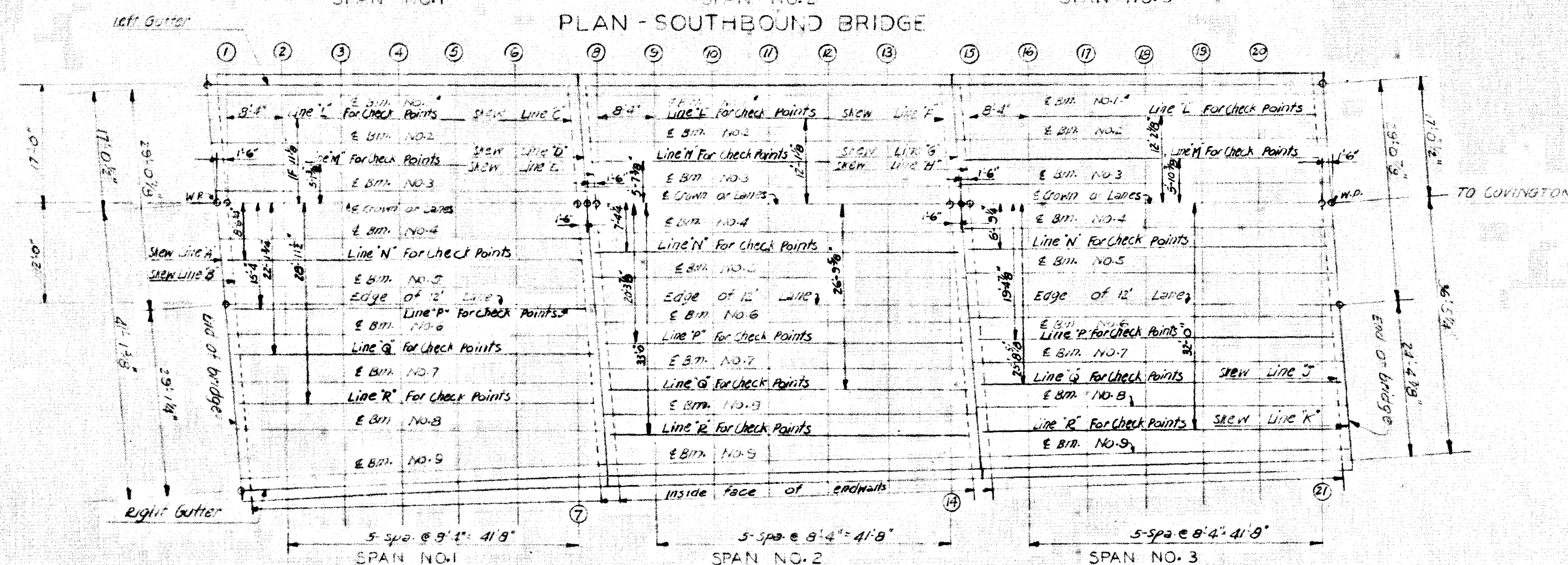
SOUTHBOUND BRIDGE

CROSS — SECTION

NORTHBOUND BRIDGE



NOTE
For spacing of beams on Southbound bridge see sheet No. 16
For spacing of beams on Northbound bridge see sheet No. 23



PLAN - NORTHBOUND BRIDGE

CONSTRUCTION ELEVATIONS

Work with streets 33434

COMMONWEALTH OF KENTUCKY

DEPARTMENT OF HIGHWAYS

FRANKFORT

COUNTY OF

JEFFERSON

LOUISVILLE-FLOVINGTON

STATION 431+54.30 I 71 ROAD PROJECT NO.

**BRIDGE
NUMBER**

16155

RECORDED BY <u>6-Longate</u>	CHECKED BY <u>Minchey</u>	DATE <u>Jan 24 61</u>	BY <u>61400</u>	DATE
RECORDED BY <u>Longate</u>	CHECKED BY	DATE	BY <u>61400</u>	DATE

NORTHBOUND BRIDGE

SOUTHBOUND BRIDGE

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

SPAN NO. 1	NORTHBOUND BRIDGE														RIGHT GUTTER
	LOCATION	LEFT GUTTER	BEAM NO. 1	BEAM NO. 2	BEAM NO. 3	CROWN OR LANES	BEAM NO. 4	BEAM NO. 5	EDGE OF 12' LANE	BEAM NO. 6	BEAM NO. 7	BEAM NO. 8	BEAM NO. 9		
SPAN NO. 1	SKW LN A TOP	460.072		460.201	460.301	460.308	460.249	460.140	460.139	459.853	459.564	459.275	458.909		
	SKW LN B TOP	460.064		460.193	460.293	460.300	460.241	460.132	460.131	459.845	459.556	459.267	458.901		
	SKW LN B BOT		455.756	455.860	455.959		455.908	455.799		455.512	455.223	454.934	454.641		
	GRID LN 01 TOP	460.060		460.191	460.292	460.300									
	GRID LN 01 BOT		455.752	455.858	455.959										
	GRID LN 02 TOP	460.029		460.160	460.262	460.269	460.212	460.105	460.104	459.820	459.533	459.246	458.899		
	GRID LN 02 BOT		455.721	455.827	455.928		455.879	455.772		455.487	455.200	454.912	454.634		
	GRID LN 03 TOP	459.991		460.123	460.225	460.233	460.176	460.069	460.068	459.785	459.498	459.211	458.885		
	GRID LN 03 BOT		455.684	455.790	455.892		455.843	455.736		455.451	455.164	454.878	454.615		
	GRID LN 04 TOP	459.948		460.081	460.183	460.191	460.134	460.028	460.027	459.743	459.457	459.171	458.861		
	GRID LN 04 BOT		455.641	455.748	455.850		455.801	455.694		455.410	455.124	454.837	454.591		
	GRID LN 05 TOP	459.900		460.033	460.135	460.143	460.087	459.980	459.979	459.696	459.410	459.124	458.830		
	GRID LN 05 BOT		455.592	455.699	455.802		455.753	455.647		455.363	455.077	454.791	454.560		
	GRID LN 06 TOP	459.845		459.978	460.081	460.089	460.033	459.927	459.926	459.644	459.358	459.072	458.792		
	GRID LN 06 BOT		455.538	455.645	455.748		455.700	455.594		455.310	455.025	454.739	454.524		
	GRID LN 07 TOP					460.030	459.974	459.869	459.867	459.585	459.300	459.014	458.748		
	GRID LN 07 BOT						455.641	455.535		455.252	454.966	454.681	454.482		
SPAN NO. 2	SKW LN C TOP	459.794		459.923	460.023	460.030	459.971	459.862	459.861	459.575	459.286	458.997	458.725		
	SKW LN C BOT		455.486	455.590	455.689		455.638	455.529		455.242	454.953	454.664	454.468		
	SKW LN D TOP	459.786		459.915	460.015	460.022	459.963	459.854	459.853	459.567	459.278	458.989	458.725		
	SKW LN D BOT														
	SKW LN E TOP	459.778		459.907	460.007	460.013	459.971	459.867	459.845	459.629	459.354	459.080	458.813		
	SKW LN E BOT		455.47	455.569	455.666		455.638	455.534		455.296	455.021	454.746	454.455		
	GRID LN 08 TOP	459.774		459.900	459.999	460.013			459.849				458.707		
	GRID LN 08 BOT		455.466	455.566	455.666								454.441		
	GRID LN 09 TOP	459.742		459.869	459.968	459.983	459.942	459.840	459.818	459.604	459.331	459.058	458.799		
	GRID LN 09 BOT		455.435	455.535	455.635		455.608	455.506		455.270	454.997	454.724	454.414		
	GRID LN 10 TOP	459.705		459.832	459.932	459.947	459.906	459.804	459.782	459.568	459.295	459.023	458.764		
	GRID LN 10 BOT		455.398	455.499	455.599		455.572	455.471		455.235	454.962	454.689	454.381		
	GRID LN 11 TOP	459.662		459.789	459.890	459.904	459.864	459.762	459.740	459.527	459.255	458.982	458.728		
	GRID LN 11 BOT		455.355	455.456	455.556		455.530	455.429		455.194	454.921	454.649	454.344		
	GRID LN 12 TOP	459.613		459.741	459.842	459.857	459.816	459.715	459.693	459.480	459.208	458.936	458.684		
	GRID LN 12 BOT		455.306	455.408	455.508		455.483	455.382		455.147	454.875	454.603	454.301		
SPAN NO. 3	GRID LN 13 TOP	459.559		459.687	459.788	459.803	459.763	459.662	459.640	459.427	459.155	458.884	458.636		
	GRID LN 13 BOT		455.252	455.354	455.455		455.429	455.329		455.094	454.822	454.550	454.251		
	GRID LN 14 TOP					459.743	459.703	459.603	459.581	459.369	459.097	458.826	458.578		
	GRID LN 14 BOT						455.370	455.270		455.035	454.764	454.492	454.236		
	SKW LN F TOP	459.508		459.632	459.730	459.743	459.701	459.597	459.575	459.359	459.084	458.810	458.562		
	SKW LN F BOT		455.20	455.299	455.396		455.368	455.264		455.028	454.751	454.476	454.220		
	SKW LN G TOP	459.500		459.624	459.722	459.735	459.693	459.589	459.567	459.351	459.076	458.802	458.554		
	SKW LN G BOT														
	SKW LN H TOP	459.492		459.613	459.709	459.727	459.693	459.592	459.568	459.378	459.111	458.843	458.595		
	SKW LN H BOT		455.184	455.280	455.376		455.359	455.258		455.025	454.757	454.484	454.232		
	GRID LN 15 TOP	459.488		459.611	459.709	459.727									
	GRID LN 15 BOT		455.18	455.278	455.375										
	GRID LN 16 TOP	459.456		459.580	459.678	459.697	459.663	459.564	459.531	459.353	459.086	458.820	458.572		
	GRID LN 16 BOT		455.149	455.247	455.345		455.330	455.231		455.019	454.753	454.487	454.236		
	GRID LN 17 TOP	459.419		459.543	459.641	459.660	459.627	459.528	459.496	459.317	459.051	458.786	458.538		
	GRID LN 17 BOT		455.112	455.210	455.308		455.294	455.195		454.984	454.718	454.452	454.200		
SPAN NO. 4	GRID LN 18 TOP	459.376		459.501	459.599	459.618	459.585	459.486	459.454	459.276	459.010	458.745	458.497		
	GRID LN 18 BOT		455.069	455.167	455.266		455.252	455.153		454.942	454.677	454.412	454.160		
	GRID LN 19 TOP	459.327		459.452	459.551	459.570	459.537	459.439	459.407	459.229	458.964	458.698	458.450		
	GRID LN 19 BOT		455.02	455.119	455.218		455.204	455.106		454.895	454.630	454.365	454.113		
	GRID LN 20 TOP	459.273		459.398	459.497	459.517	459.484	459.386	459.354	459.176	458.911	458.646	458.398		
	GRID LN 20 BOT		454.966	455.065	455.164		455.151	455.053		454.842	454.578	454.313	454.061		
	GRID LN 21 TOP					459.457	459.425	459.327	459.295	459.117	458.853	458.588	458.340		
	GRID LN 21 BOT						455.091	454.994		454.784	454.519	454.255	454.003		
	SKW LN J TOP	459.222		459.343	459.439	459.457	459.423	459.322	459.288	459.108	458.841	458.573	458.325		
	SKW LN J BOT		454.914	455.010	455.106		455.089	454.988		454.775	454.507	454.239	453.995		
	SKW LN K TOP	459.214		459.335	459.431	459.449	459.415	459.313	459.280	459.100	458.832	458.565	458.317		
	SKW LN K BOT														
	SKW LN L TOP														
	SKW LN L BOT														
	SKW LN M TOP														
	SKW LN M BOT														

SPAN NO. 1	SPAN NO. 1														RIGHT GUTTER
	LOCATION	LEFT GUTTER	BEAM NO. 1	BEAM NO. 2	BEAM NO. 3	BEAM NO. 4	BEAM NO. 5	BEAM NO. 6	EDGE OF 12' LANE	BEAM NO. 7	BEAM NO. 8	BEAM NO. 9	BEAM NO. 10		
SPAN NO. 1	SKW LN A TOP	458.593		458.949	459.245	459.543	459.836	460.131	460.173	460.266	460.333	460.329	460.110	460.084	
	SKW LN B TOP			458.941	459.237	459.532	459.828	460.123	460.165	460.258	460.325	460.321	460.216	460.076	
	SKW LN B BOT		454.326	454.608	454.903	455.199	455.494	455.790		455.925	455.987	455.883	455.769		
	GRID LN 01 TOP	458.586		458.931	459.228	459.525	459.823	460.120	460.162	460.256	460.325				
	GRID LN 01 BOT		454.324	454.598	454.895	455.192	455.490	455.787		455.923					
	GRID LN 02 TOP	458.578		458.898	459.196	459.494	459.791	460.089	460.131	460.226	460.294	460.290	460.188	460.050	
	GRID LN 02 BOT		454.315	454.565	454.863	455.160	455.458	455.756		455.892	455.957	455.854	455.743		
	GRID LN 03 TOP	458.564		458.860	459.158	459.455	459.754	460.052	460.094	460.189	460.258	460.254	460.152	460.015	
	GRID LN 03 BOT		454.302	454.527	454.825	455.123	455.421	455.719		455.856	455.921	455.819	455.707		
	GRID LN 04 TOP	458.544		458.816	459.114	459.412	459.711	460.009	460.052	460.147	460.216	460.212	460.110	459.973	
	GRID LN 04 BOT		454.281	454.482	454.781	455.079	455.378	455.676		455.813	455.879	455.777	455.666		
	GRID LN 05 TOP	458.518		458.766	459.064	459.363	459.662	459.961	460.003	460.098	460.168	460.164	460.063	459.926	
	GRID LN 05 BOT		454.256	454.432	454.731	455.030	455.329	455.627		455.765	455.831	455.729	455.619		
	GRID LN 06 TOP	458.487		458.710	459.009	459.308	459.607	459.906	459.949	460.044	460.114	460.111	460.009	459.874	
	GRID LN 06 BOT		454.224	454.377	454.676	454.975	455.274	455.573		455.711	455.777	455.676	455.566		
	GRID LN 07 TOP										460.055	460.051	459.950	459.813	
	GRID LN 07 BOT											455.718	455.617	455.507	
SPAN NO. 1	SKW LN C TOP			458.671	458.967	459.262	459.558	459.853	459.895	459.988	460.055	460.051	459.946	459.806	
	SKW LN C BOT		454.203	454.338	454.633	454.929	455.224	455.520		455.655	455.717	455.613	455.499		
	SKW LN D TOP	458.462		458.663	458.958	459.254	459.550	459.845	459.887	459.980	460.047	460.042	459.824	459.798	
SPAN NO. 2	LOCATION	LEFT GUTTER	BEAM NO. 1	BEAM NO. 2	BEAM NO. 3	BEAM NO. 4	BEAM NO. 5	EDGE OF 12' LANE	BEAM NO. 6	BEAM NO. 7	BEAM NO. 8	BEAM NO. 9	BEAM NO. 10	RIGHT GUTTER	
	SKW LN D TOP	458.462		458.809	459.086	459.363	459.641		459.898	460.000		460.035	459.824	459.798	
	SKW LN E TOP			458.800	459.078	459.355	459.633	459.879	459.890	459.992	460.038	460.027	459.923	459.790	
	SKW LN E BOT		454.195	454.467	454.744	455.022	455.299		455.557	455.658		455.693	455.589	455.483	
	GRID LN 08 TOP	458.457		458.791	459.070	459.349	459.628	459.876	459.888	459.991	460.038				
	GRID LN 08 BOT		454.194	454.458	454.737	455.015	455.295		455.554	455.657					
	GRID LN 09 TOP	458.448		458.759	459.038	459.317	459.597	459.845	459.857	459.960	460.008	459.997	459.895	459.764	
	GRID LN 09 BOT		454.185	454.425	454.705	454.984	455.263		455.523	455.626		455.664	455.561	455.457	
	GRID LN 10 TOP	458.434		458.720	459.000	459.280	459.560	459.808	459.820	459.923	459.972	459.961	459.859	459.728	
	GRID LN 10 BOT		454.171	454.387	454.667	454.947	455.226		455.486	455.590		455.627	455.525	455.421	
	GRID LN 11 TOP	458.414		458.676	458.956	459.237	459.517	459.765	459.777	459.881	459.929	459.919	459.817	459.687	
	GRID LN 11 BOT		454.151	454.343	454.623	454.903	455.183		455.444	455.548		455.585	455.484	455.380	
	GRID LN 12 TOP	458.389		458.627	458.907	459.187	459.468	459.717	459.729	459.833	459.882	459.871	459.770	459.640	
	GRID LN 12 BOT		454.126	454.293	454.574	454.854	455.134		455.395	455.499		455.537	455.436	455.333	
	GRID LN 13 TOP	458.358		458.571	458.852	459.133	459.413	459.663	459.674	459.779	459.828	459.817	459.716	459.587	
	GRID LN 13 BOT		454.095	454.278	454.518	454.759	455.000		455.341	455.446		455.484	455.383	455.280	
	GRID LN 14 TOP										459.768	459.758	459.657	459.529	
GRID LN 14 BOT											455.425	455.324	455.221		
SPAN NO. 2	SKW LN F TOP			458.530	458.808	459.085	459.363	459.609	459.620	459.722	459.768	459.757	459.653	459.520	
	SKW LN F BOT		454.072	454.197	454.474	454.752	455.029		455.287	455.388		455.423	455.319	455.213	
	SKW LN G TOP	458.332		458.522	458.800	459.077	459.354	459.601	459.612	459.714	459.760	459.749	459.538	459.311	
SPAN NO. 3	LOCATION	LEFT GUTTER	BEAM NO. 1	BEAM NO. 2	BEAM NO. 3	BEAM NO. 4	BEAM NO. 5	EDGE OF 12' LANE	BEAM NO. 6	BEAM NO. 7	BEAM NO. 8	BEAM NO. 9	RIGHT GUTTER		
	SKW LN G TOP	458.332		458.672	458.968	459.263	459.559		459.694		459.756	459.652	459.511		
	SKW LN H TOP			458.664	458.960	459.255	459.551	459.593	459.585	459.752	459.748	459.643	459.503		
	SKW LN H BOT		454.065	454.331	454.626	454.922	455.218		455.352		455.415	455.310	455.197		
	GRID LN 15 TOP	458.321		458.656	458.953	459.250	459.548	459.590	459.584	459.752					
	GRID LN 15 BOT		454.064	454.322	454.620	454.917	455.214		455.351						
	GRID LN 16 TOP	458.318		458.624	458.921	459.219	459.517	459.559	459.553	459.722	459.718	459.615	459.478		
	GRID LN 16 BOT		454.055	454.290	454.588	454.885	455.183		455.320		455.385	455.282	455.171		
	GRID LN 17 TOP	458.304		458.585	458.880	459.182	459.480	459.522	459.617	459.685	459.682	459.579	459.442		
	GRID LN 17 BOT		454.037	454.252	454.550	454.843	455.146		455.283		455.348	455.246	455.135		
	GRID LN 18 TOP	458.284		458.542	458.840	459.139	459.437	459.479	459.574	459.643	459.640	459.538	459.401		
	GRID LN 18 BOT		454.021	454.208	454.507	454.803	455.104		455.241		455.306	455.204	455.094		
	GRID LN 19 TOP	458.259		458.492	458.791	459.090	459.389	459.431	459.526	459.595	459.592	459.490	459.354		
	GRID LN 19 BOT		453.996	454.159	454.457	454.755	455.055		455.193		455.259	455.157	455.047		
	GRID LN 20 TOP	458.228		458.437	458.736	459.035	459.334	459.376	459.472	459.542	459.538	459.437	459.301		
	GRID LN 20 BOT		453.965	454.103	454.402	454.702	455.001		455.139		455.205	455.104	454.994		
	GRID LN 21 TOP									459.482	459.479	459.378	459.243		
GRID LN 21 BOT										455.146	455.045	454.935			
SPAN NO. 3	SKW LN J TOP			458.794	458.690	458.983	459.281	459.323	459.415	459.482	459.478	459.373	459.233		
	SKW LN J BOT		453.942	454.061	454.356	454.652	454.948		455.082		455.145	455.040	454.927		
	SKW LN K TOP	458.200		458.386	458.682	458.977	459.273	459.315	459.407	459.474	459.470	459.365	459.225		

* CHECK ELEVATIONS FOR SLAB THICKNESS — SOUTHBOUND BRIDGE

LOCATION	LINE L			LINE M			LINE N			LINE P			LINE Q			LINE R			LINE S		
	PLAN ELEVATION	FIELD ELEVATION SLAB FORM BOTTOM OF SLAB	FIELD COMPUTED SLAB THICKNESS T	PLAN ELEVATION	FIELD ELEVATION SLAB FORM BOTTOM OF SLAB	FIELD COMPUTED SLAB THICKNESS T	PLAN ELEVATION	FIELD ELEVATION SLAB FORM BOTTOM OF SLAB	FIELD COMPUTED SLAB THICKNESS T	PLAN ELEVATION	FIELD ELEVATION SLAB FORM BOTTOM OF SLAB	FIELD COMPUTED SLAB THICKNESS T	PLAN ELEVATION	FIELD ELEVATION SLAB FORM BOTTOM OF SLAB	FIELD COMPUTED SLAB THICKNESS T	PLAN ELEVATION	FIELD ELEVATION SLAB FORM BOTTOM OF SLAB	FIELD COMPUTED SLAB THICKNESS T	PLAN ELEVATION	FIELD ELEVATION SLAB FORM BOTTOM OF SLAB	FIELD COMPUTED SLAB THICKNESS T
GRID LINE 2																			459.058		
3	460.096															459.307					
4				460.165									459.562								
5										459.811											
6							459.989														
9																			458.898		
10	459.807															459.140					
11				459.869									459.376								
12										459.608											
13							459.727														
16																			458.803		
17																459.033					
18	459.482												459.288								
19				459.545						459.471											
20							459.518														

* CHECK ELEVATIONS FOR SLAB THICKNESS — NORTHBOUND BRIDGE

LOCATION	LINE L			LINE M			LINE N			LINE P			LINE Q			LINE R					
	PLAN ELEVATION	FIELD ELEVATION SLAB FORM BOTTOM OF SLAB	FIELD COMPUTED SLAB THICKNESS T	PLAN ELEVATION	FIELD ELEVATION SLAB FORM BOTTOM OF SLAB	FIELD COMPUTED SLAB THICKNESS T	PLAN ELEVATION	FIELD ELEVATION SLAB FORM BOTTOM OF SLAB	FIELD COMPUTED SLAB THICKNESS T	PLAN ELEVATION	FIELD ELEVATION SLAB FORM BOTTOM OF SLAB	FIELD COMPUTED SLAB THICKNESS T	PLAN ELEVATION	FIELD ELEVATION SLAB FORM BOTTOM OF SLAB	FIELD COMPUTED SPAN THICKNESS T	PLAN ELEVATION	FIELD ELEVATION SLAB FORM BOTTOM OF SLAB	FIELD COMPUTED SLAB THICKNESS T			
GRID LINE 2	460.107																				
3				460.177																	
4																459.314					
5							460.034						459.553								
6										459.787											
9	459.818																				
10				459.883												458.898					
12							459.765						459.072								
13										459.291											
16	459.531																				
17				459.592												458.654					
18													458.878								
19							459.488			459.096											

* After the slab forms are erected and before the slab reinforcement is placed, the Resident Engineer shall take field elevations at the slab thickness check points and enter them in the table in the space provided. The slab thickness shall then be computed. If the computed slab thickness varies more than ".4" from the plan thickness, allowing 1/360 of the slab span for deflection of form work, the form shall be adjusted until the computed slab thickness is within the tolerance allowed.

WORK WITH SHEET 32

CONSTRUCTION ELEVATIONS

Bridge over Mockingbird Valley Road

Sheet 34

COMMONWEALTH OF KENTUCKY

DEPARTMENT OF HIGHWAYS

FRANKFORT

COUNTY OF

JEFFERSON

LOUISVILLE-COVINGTON

431-54 30 I 71

ROAD

STATION 50-00 Mockingbird Valley Rd PROJECT NO.

BRIDGE NUMBER

DRAWING NO. 1155