

64 OVER KY 32 SHEET 1 OF 21	
COMMONWEALTH OF KENTUCKY DEPARTMENT OF HIGHWAYS FRANKFORT COUNTY OF	
ROWAN	
LOUISVILLE-LEXINGTON-CATLETTSBURG	
2531+48.59 - 1+8.42 STATION 42+87.60 ON KY. 32	ROAD PROJECT NO. J 66-7287-98
BRIDGE NUMBER	DRAINING AREA 16823 S.W. 1/4

REVISION	DATE	BY	CHKD	DATE	BY	CHKD
7	KCT					

GENERAL NOTES

SPECIFICATIONS

Kentucky Department of Highways Standard Specifications, Current Edition with Revisions, shall apply to this project.

DESIGN LOAD

Bridge designed for HS20-44 loading as specified in 1941 AASHTO Specifications, or alternate loading of two 24 kip axle spaced 4 feet apart, whichever produces the greater stress.

DESIGN STRESSES

For Class "Aa" Concrete.		For Class "A" Concrete.		For Prestressed Girder Concrete	
f_c	22,000 psi	f_c	20,000 psi	f_c	250,000 psi
f_s	1,800 psi	f_s	1,200 psi	f_s	20,000 psi
u	200 psi for embedment	u	200 psi for embedment	u	2,000 psi
u	200 psi for summation of reinforcements	u	300 psi for summation of reinforcements	u	200 psi for full depth
f_c	4,000 psi	f_c	3,000 psi	f_c	300 psi for summation of reinforcements
n	8	n	10	n	6

CONCRETE

Class "A" Concrete to be used in all substructure units from bridge seat abutment. Also for and pedestals. Class "Aa" Concrete to be used in roadway slabs, curbs, sidewalks and drainage in spans 1 to 1 and 2 and in end bents above bridge seat. All of superstructure in Span 3 to be Class "Aa" Concrete.

Prestressed Girder Concrete to be in accordance with Plans and Section 415 of the Specifications.

REINFORCEMENT

Dimensions shown from face of concrete to bars are clear distances. Spacing of bars is from center to center of bars.

PRESTRESSED CONCRETE EXPANSION JOINT MATERIAL, POLYURETHANE WATERSTOP, JOINT SEALING COMPOUND, PRECASTED JOINT SEALS AND TAP PAPER.

The price of these items is to be included in the unit price bid for Class "Aa" Concrete. (See Options Below.)

OPTIONAL EXPANSION JOINT SYSTEM:

The Contractor shall use one of the following optional systems at locations indicated on the plans. Option B. System in accordance with Standard Drawing G-353. G-354. & A-2. Option A. System in accordance with Standard Drawing G-352. & A-1.

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 H-1115 or High Strength Concrete Handrail in accordance with Standard Drawing H-110.

BEVELED EDGES

All exposed edges shall be beveled $1/4"$ unless otherwise shown.

PILING

Piles shall be driven to refusal or to solid rock. Test piles shall be driven where designated on the plans to determine the length required. At least piles shall be accurately located so that they may be used in the finished structure.

TYPE OF PILE

The Contractor shall use the following type throughout: 12BPS3 Steel Piles, Std. Pile, P-17.

PLACING PILLS

Embedment shall be placed in accordance with Standard Drawing SF-2.

STRUCTURAL STEEL

All structural steel shall conform to ASTM A572-437. "Lump Sum Bid" for structural steel shall be bid separate for all structural steel, beam plates, rods, bolts, washers, gusset plates, molten lead, welds, and welding materials, paint and oil labor and material necessary to erect the steel in accordance with the plans and specifications.

CHANGES IN STRUCTURAL STEEL:

In the event that changes in steel quantities are required due to changes by the Engineer in the plans or in the Specifications, credit or additional payments thereof shall be made at a unit price which will be equal to the contract lump sum price divided by the estimated total weight.

TEMPORARY SUPPORTS

Temporary supports or shoring will not be permitted under girders in Spans 1 to 1 & 2 when taking top of grade elevations.

PAINT

All structural steel shall be given one shop coat and one field coat of type 1 red lead paint and two field coats of aluminum paint. Exposed surfaces of expansion dam are accessible after erection shall be given one field coat of type 1 red lead paint and two field coats of aluminum paint before erection. Paint shall not be applied to steel surfaces in contact with concrete. Chipping of weld spatter from welding assemblies in accordance with AWS Convention shall be required before assemblies are shop painted. Areas not painted in the shop shall be given one coat of red lead paint type 1 as field or paint to application of the field coat. At red lead paint, individual field coats shall be thinned to uniformly indicate the progress of field painting. All the coating of paint shall be applied smoothly and uniformly so that no excess paint will collect at any point. The cost of painting and furnishing all materials, labor and equipment necessary for painting Structural Steel shall be included in the lump sum bid for Structural Steel.

SLOPE PROTECTION

Slope protection shall be furnished As Required Slope Protection in accordance with the Specifications.

PILE TEST REPORTS

Pile Test Reports in triplicate shall be furnished the Kentucky Department of Highways showing that all materials furnished conform to the Specifications.

CONSTRUCTION IDENTIFICATION

The names of the Prime Contractor and the Subcontractor shall be impressed in the Concrete with One inch letters at a location designated by the Engineer. The Contractor shall furnish all plans, equipment and labor necessary to do the work, for which no direct payment will be made.

TAP PAPER

Tap paper is to be commercial grade tap paper or roofing felt approximately 1.16" thick.

WELDING MATERIAL

Welding material shall conform to the American Welding Society Standard Specifications for welded highway and railway bridges. Current Specifications and subsequent adopted amendments.

ANCHOR BOLTS AND ANCHOR BOLT TIGLES

The Contractor shall be responsible for keeping holes dry in wet and freezing weather. At the time of setting, Anchor Bolts are to be heated to a blue heat to assure free flow of lead in hollow or hole. The Contractor shall exercise care in placing reinforcing steel in top of the substructure units to the dimensions shown so as to cross anchor bolt holes.

SHOP PLANS

The Contractor shall furnish the Department of Highways with Three (3) sets of complete shop detail plans for approval at a minimum of 30 days prior to the scheduled opening date of the prestressed concrete I-Beams.

BEARING PLATES

All bearing plates must be true and free of warp. Material to be structural steel ASTM A572-437 except self-lubricating plates.

SELF-LUBRICATING PLATES

Self-Lubricating Plates shall be Lubricate of approved equal and be an article of Standard Production by an established manufacturer of such equipment. They shall be provided with required Paces and grooves which shall be filled with a lubricating compound capable of withstanding the atmospheric elements and consisting of graphite and plastic substances with a lubricating under, and the compound shall be pressed into the recesses by hydraulic pressure so as to form dense, non-plastic lubricating inserts. The lubricating area shall comprise not less than 75% of the total area. The bearing metal shall be cast bronze alloy ASTM B-22-C1, Alloy A or ASTM B19-C1 Alloy 1.

LINSEED OIL PROTECTIVE COATING

Protective coating shall be furnished and applied in accordance with the Special Provision.

BEARING AREAS

Bearing areas to receive superstructure shall be finished smooth and level at the elevations shown on the plans.

FOUNDATION PROVISIONS

Actual load per pile is 40 Kips. Pier and abutment foundation pressure is a maximum of 10 Kips per sq. ft.

TENSIONING METHOD

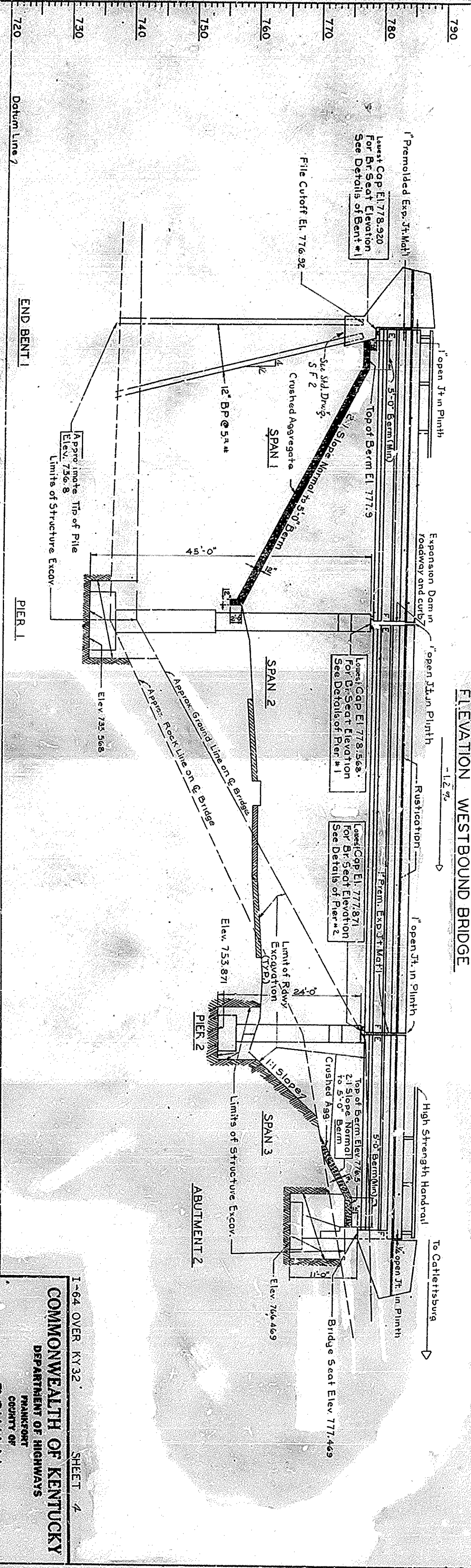
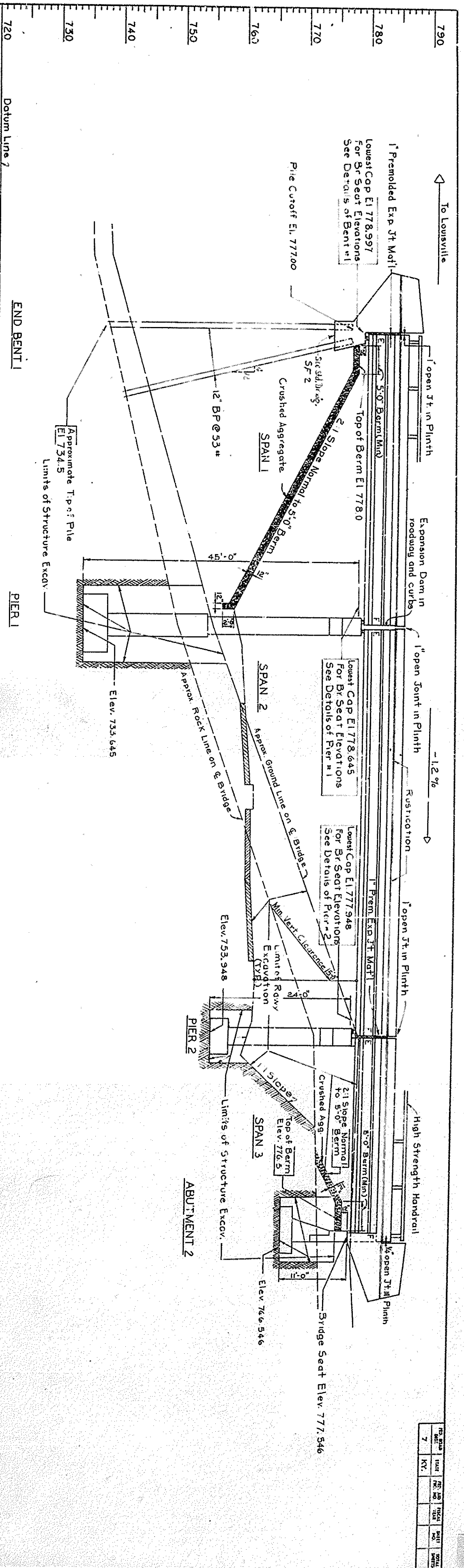
The Prestressed Girders shall be Prestensioned According To The Plans And Specifications.

DESIGNED BY	C. J. B. B.	CHECKED BY	DATE	REVISION	DATE
TRACED BY	B. J. B.	CHECKED BY	DATE	REVISION	DATE

GENERAL NOTES

1:64 OVER KY 32		SHEET 2	
COMMONWEALTH OF KENTUCKY			
DEPARTMENT OF HIGHWAYS			
FRANKFORT			
COUNTY OF			
ROWAN			
LOUISVILLE-LEXINGTON-CATLETTSBURG			
STA. 29+46.88 - 1+64.2		ROAD	
STATION 29+51.00 - 1+32		PROJECT NO.	
L. RIDGE		DRAWING NO.	
NUMBER		16803	

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



ELEVATION EASTBOUND BRIDGE

TWIN 50'-0"-70'-0" (SIMPLE PRESTRESSED SPANS) & 35'-0" SIMPLE R.C.D.G.

38'-6" ROADWAY ~ 2'-1'-6" SAFETY CURB ~ 2' FILL SLOPES

2'-5'-4"-52" SKEW LEFT ~ HS20-44 OR MILITARY ALTERNATE LOADING

LAYOUT

1-64 OVER KY32

COMMONWEALTH OF KENTUCKY

DEPARTMENT OF HIGHWAYS

COUNTY OF **ROWAN**

LOUISVILLE-LEXINGTON-CATLETTSBURG

2531+48.58 ON I-64 ROAD

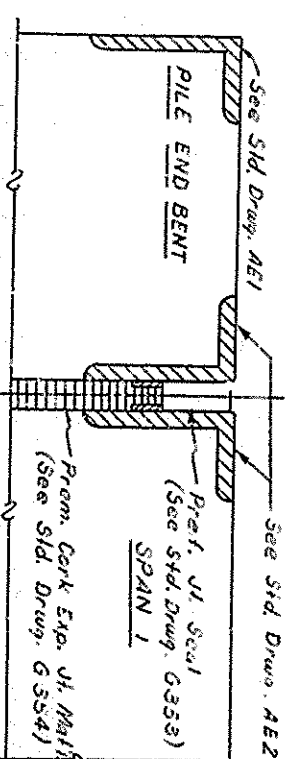
STATION 1+97.69 ON KY32 PROJECT NO.

BRIDGE NUMBER **16829**

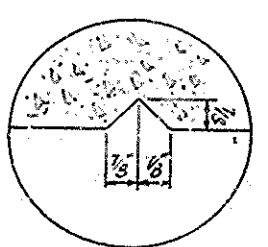
SHEET **4**

DR100E

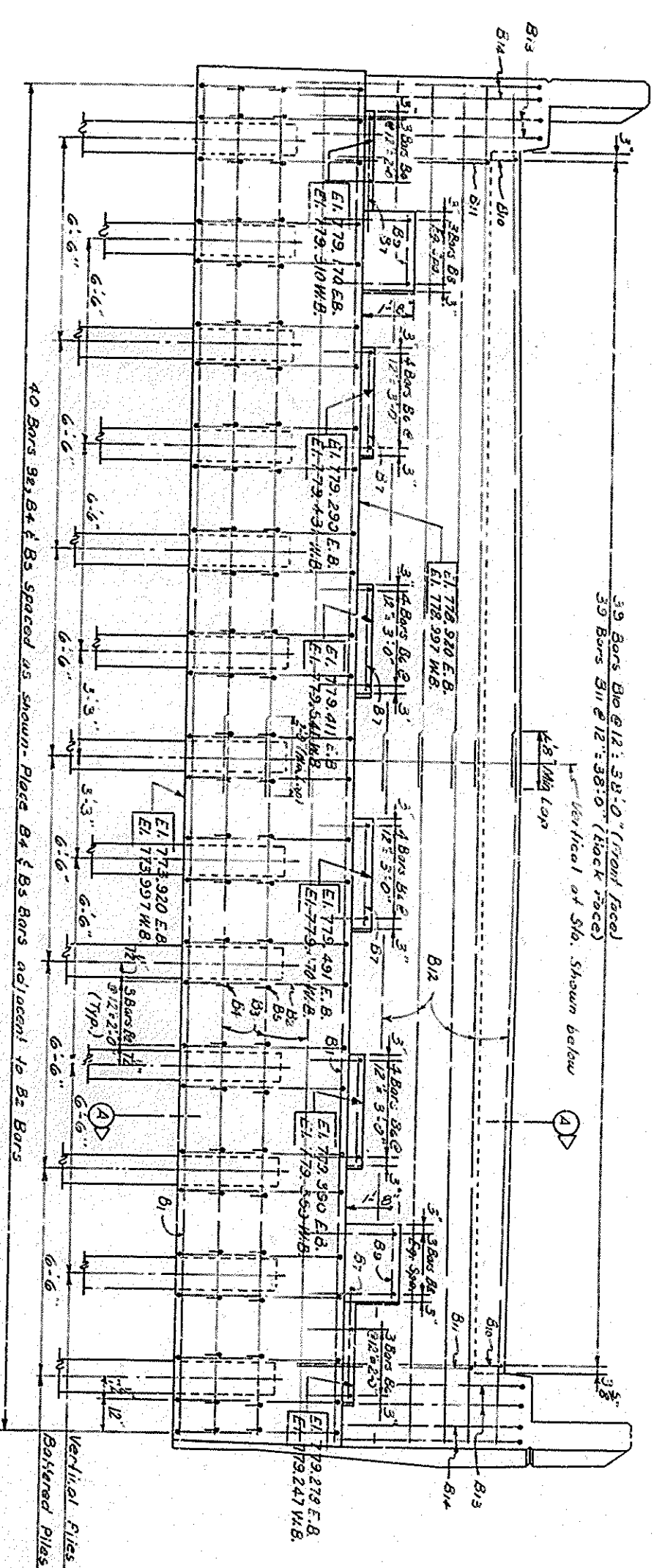
PER. ROAD DIST.	STATE	PA. AS PO. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KY.				



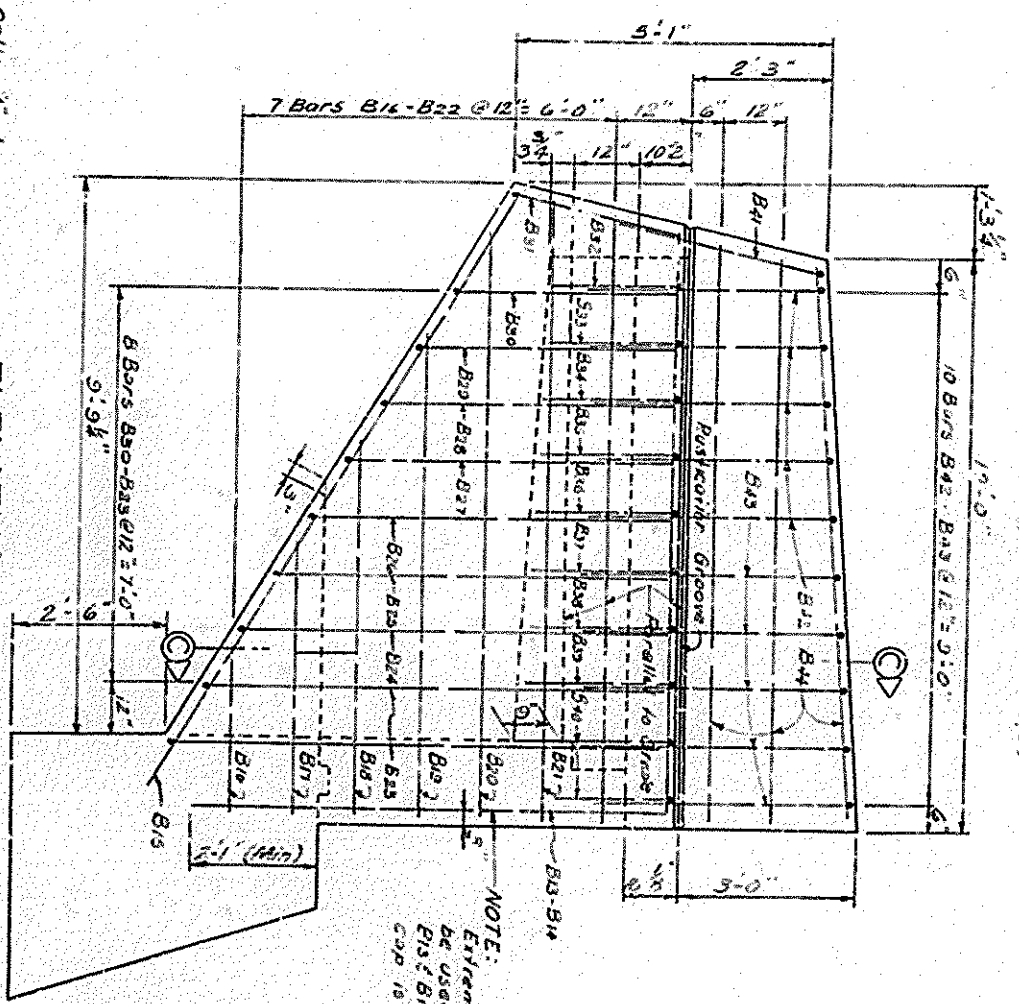
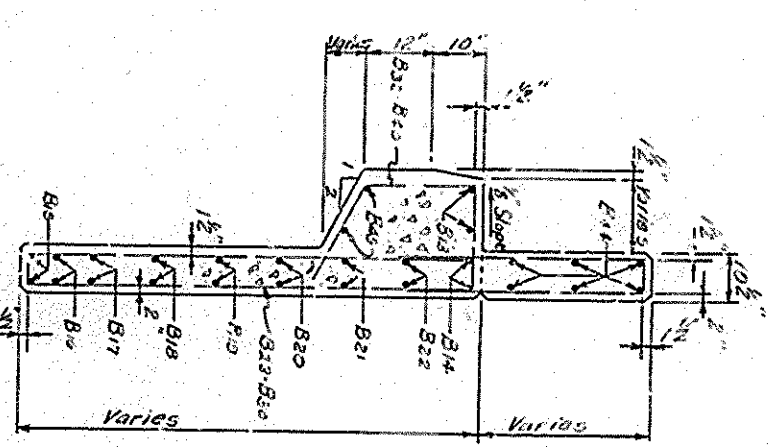
JUNCTION OF PILE END BENT & SPAN
OPTION "B"



(Showing Details of Wings)



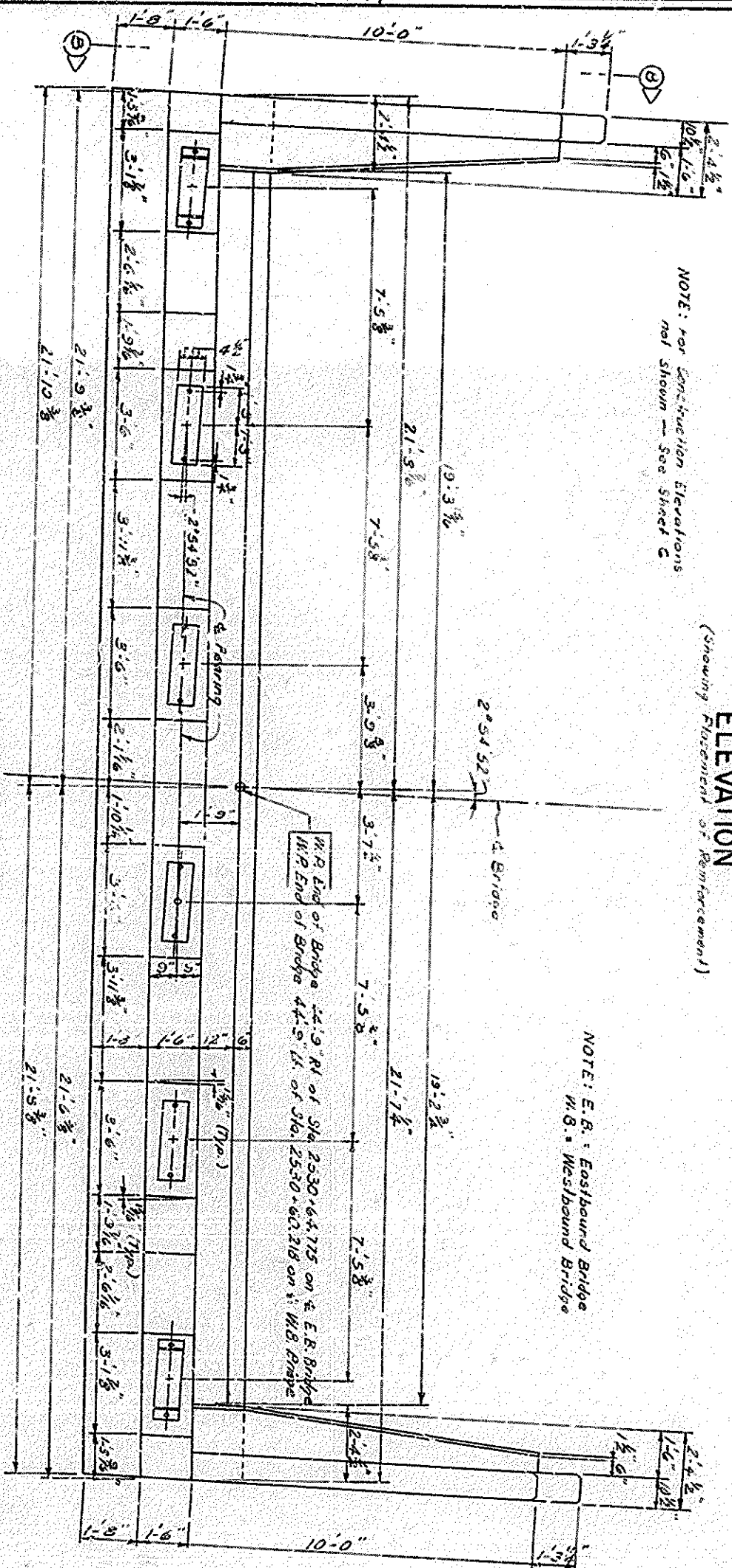
SECTION C-C



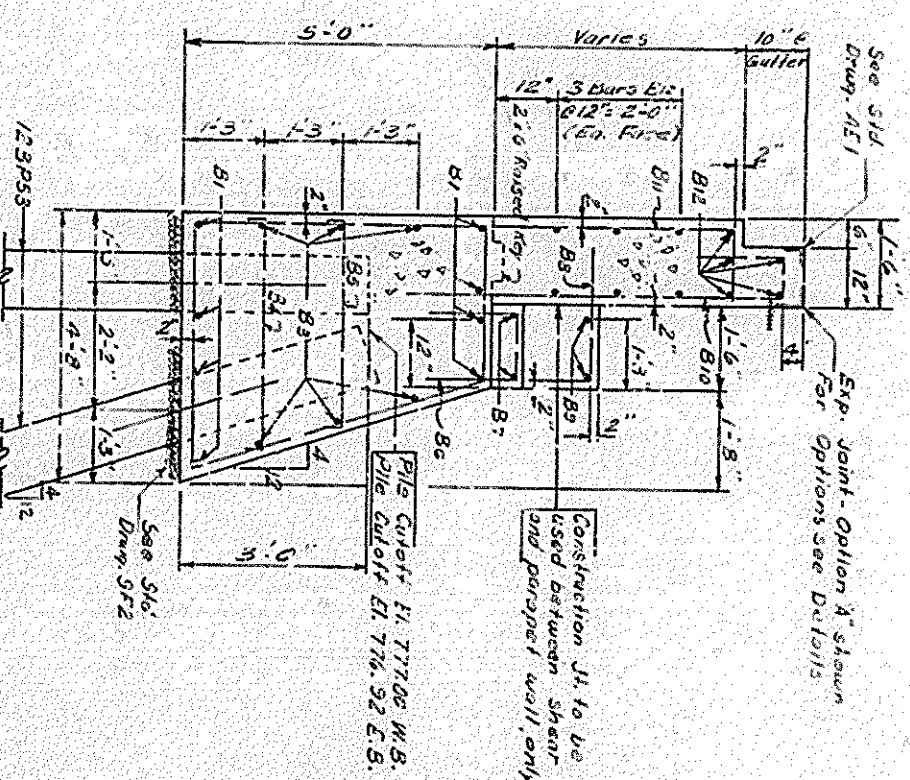
ESTIMATE OF QUANTITIES			
ITEMS	EAST BOUND BRIDGE	WEST BOUND BRIDGE	
CLASS "A" CONCRETE	32.0	CYDWS	32.0
CLASS "A" CONCRETE	17.9	CYDWS	17.9
REINFORCEMENT	4563	LBS.	4563

ESTIMATE OF QUANTITIES			
ITEMS	EAST BOUND BRIDGE	WEST BOUND BRIDGE	
CLASS "A" CONCRETE	32.0	CYDWS	32.0
CLASS "A" CONCRETE	17.9	CYDWS	17.9
REINFORCEMENT	4563	LBS.	4563

NOTE: For details of and govt back fill Earth Core and method of construction see Std. Drawg. etc.



END BENT NO. 1 EAST & WESTBOUND BRIDGES



SECTION A-A

1.6-2 OVER NO. 32
SHEET 5

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
ROWAN
LOUISVILLE-LEXINGTON-CATLETTSBURG

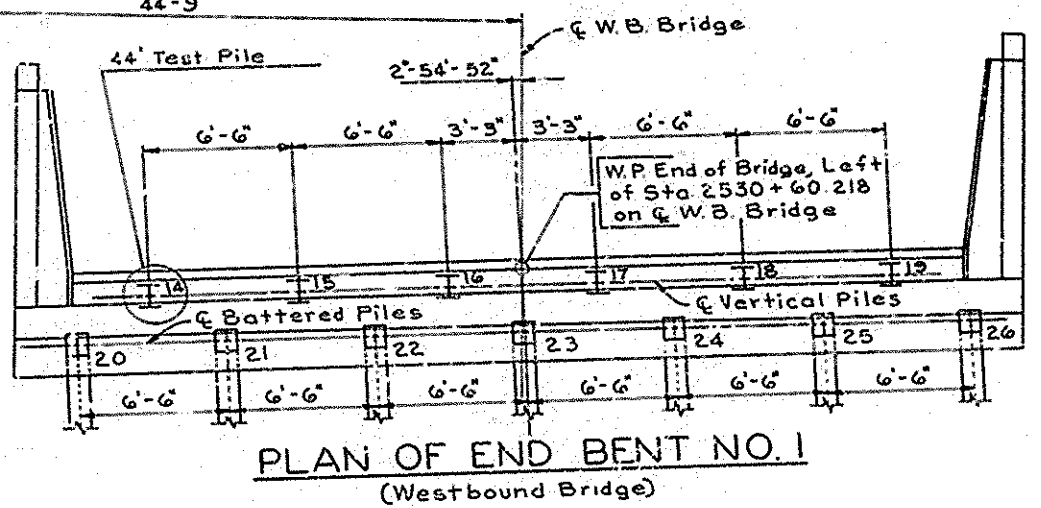
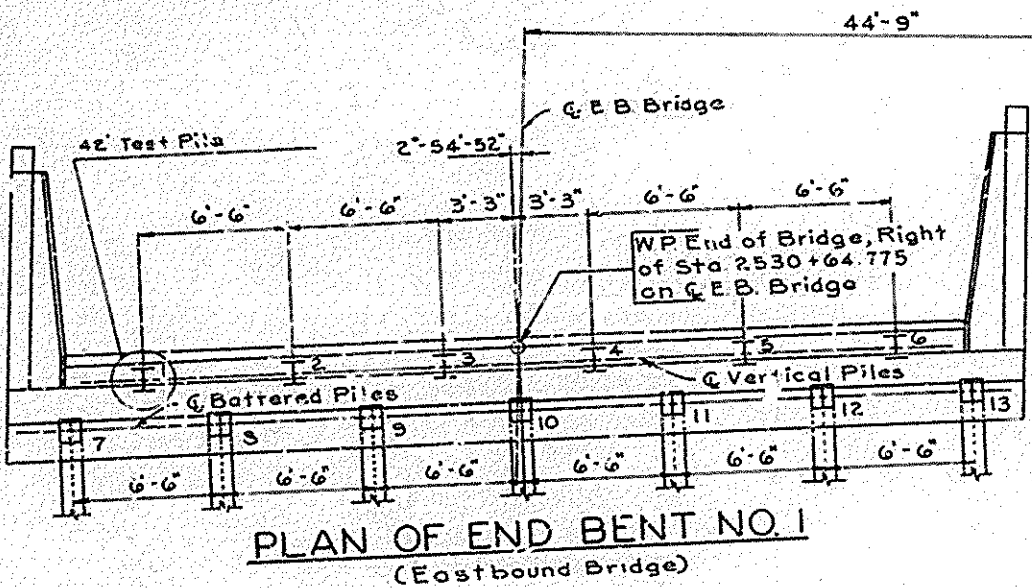
7531+48.58 on I-64
STATION 75+97.69 on Ky 32 PROJECT NO.

BRIDGE NUMBER 16803

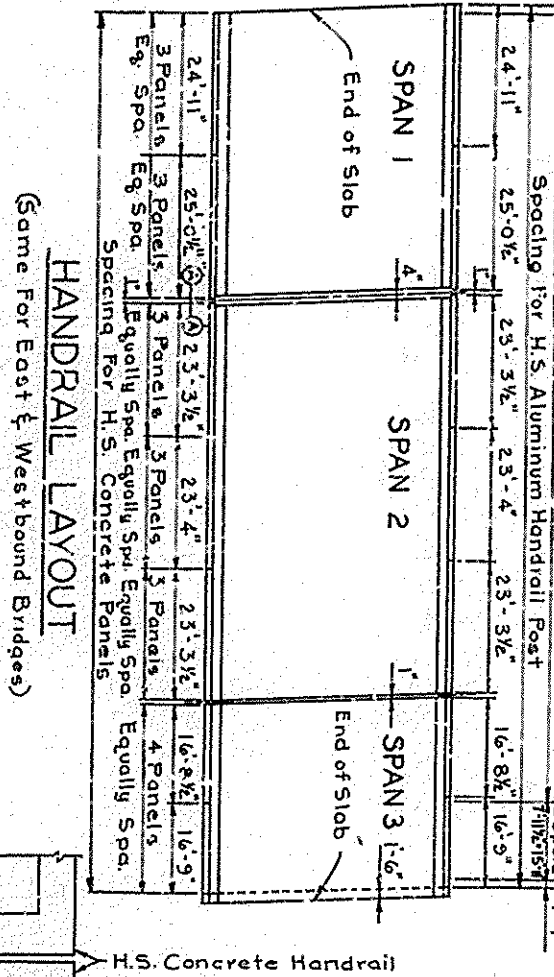
ISSUING NO. 16803

DATE

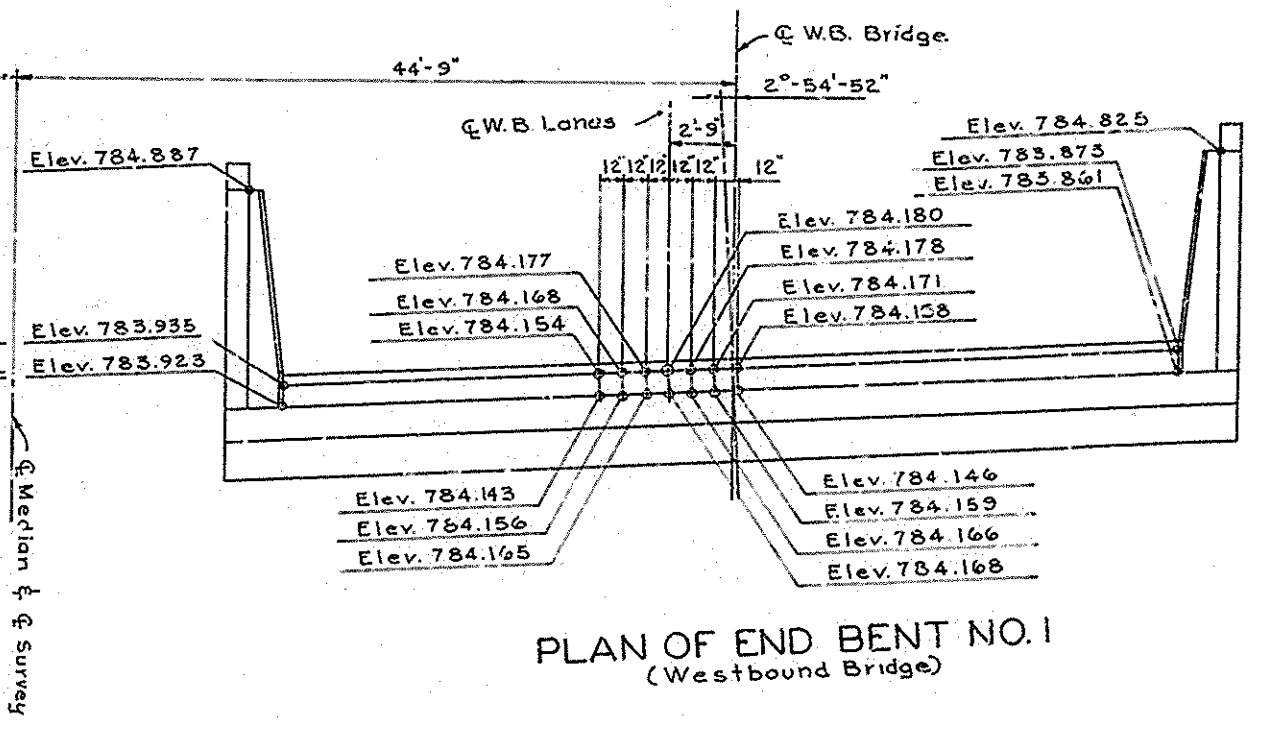
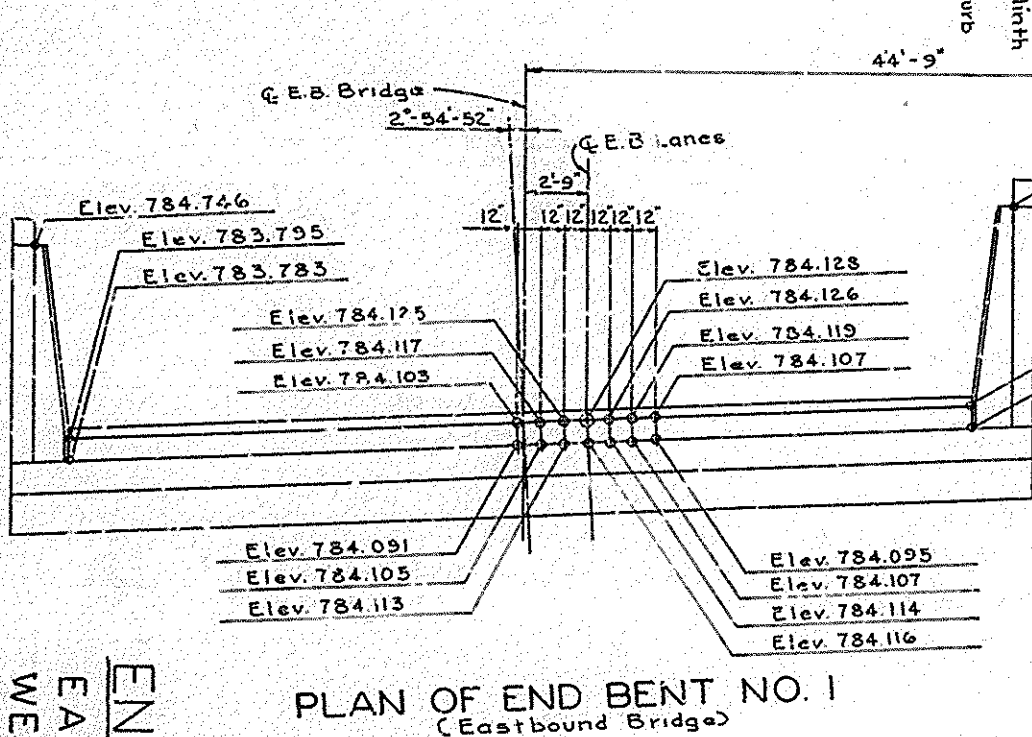
DESIGNED BY	CHECKED BY	DATE	APPROVED	DATE
TRACED BY	CHECKED BY	DATE	REVIEWED	DATE



PILE-RECORD				
END BENT NO. 1 EASTBOUND BRIDGE				
PILE NO.	PILE CUT-OFF ELEVATION AS SHOWN ON PLANS	TIP OF PILE ELEVATION AS DRIVEN	PILE LENGTH IN PLACE LIN. FT.	CALCULATED BEARING CAPACITY TONS
1	776.92	776.92	39.00	10.5
2		776.92	39.00	10.5
3		776.92	39.00	10.5
4		776.92	39.00	10.5
5		776.92	39.00	10.5
6		776.92	39.00	10.5
7		776.92	39.00	10.5
8		776.92	39.00	10.5
9		776.92	39.00	10.5
10		776.92	39.00	10.5
11		776.92	39.00	10.5
12		776.92	39.00	10.5
13		776.92	39.00	10.5



PILE-RECORD				
END BENT NO. 1 WESTBOUND BRIDGE				
PILE NO.	PILE CUT-OFF ELEVATION AS SHOWN ON PLANS	TIP OF PILE ELEVATION AS DRIVEN	PILE LENGTH IN PLACE LIN. FT.	CALCULATED BEARING CAPACITY TONS
14	777.00	777.00	39.00	10.5
15		777.00	39.00	10.5
16		777.00	39.00	10.5
17		777.00	39.00	10.5
18		777.00	39.00	10.5
19		777.00	39.00	10.5
20		777.00	39.00	10.5
21		777.00	39.00	10.5
22		777.00	39.00	10.5
23		777.00	39.00	10.5
24		777.00	39.00	10.5
25		777.00	39.00	10.5
26		777.00	39.00	10.5



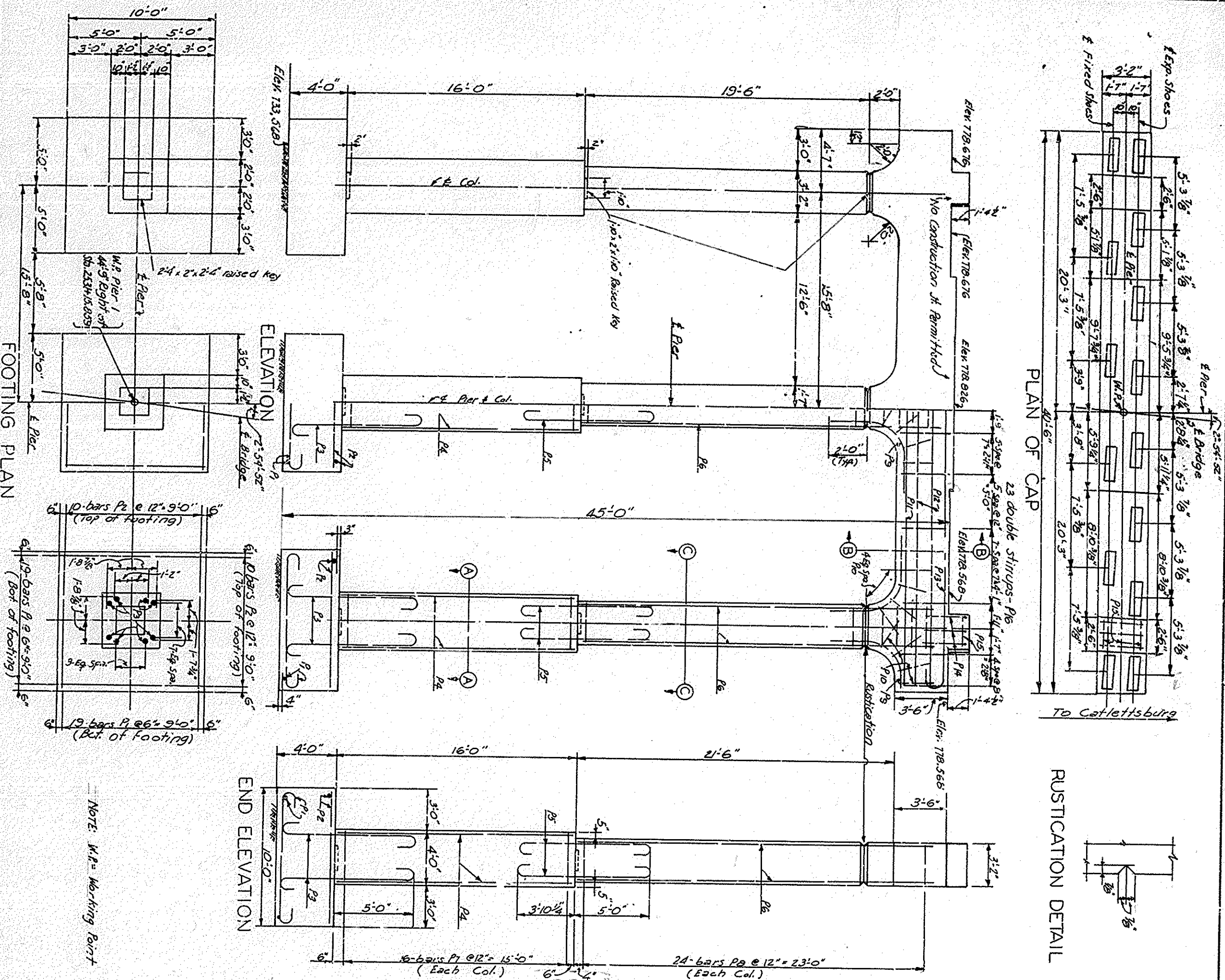
END BENT NO. 1
EASTBOUND BRIDGE
WESTBOUND BRIDGE

164 OVER KY 32

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
ROWAN
LOUISVILLE-LEXINGTON-CATLETTSBURG
253+48.58 ON I-64 ROAD
STATION 43+97.08 ON KY 32 PROJECT NO.
BRIDGE NUMBER 116803

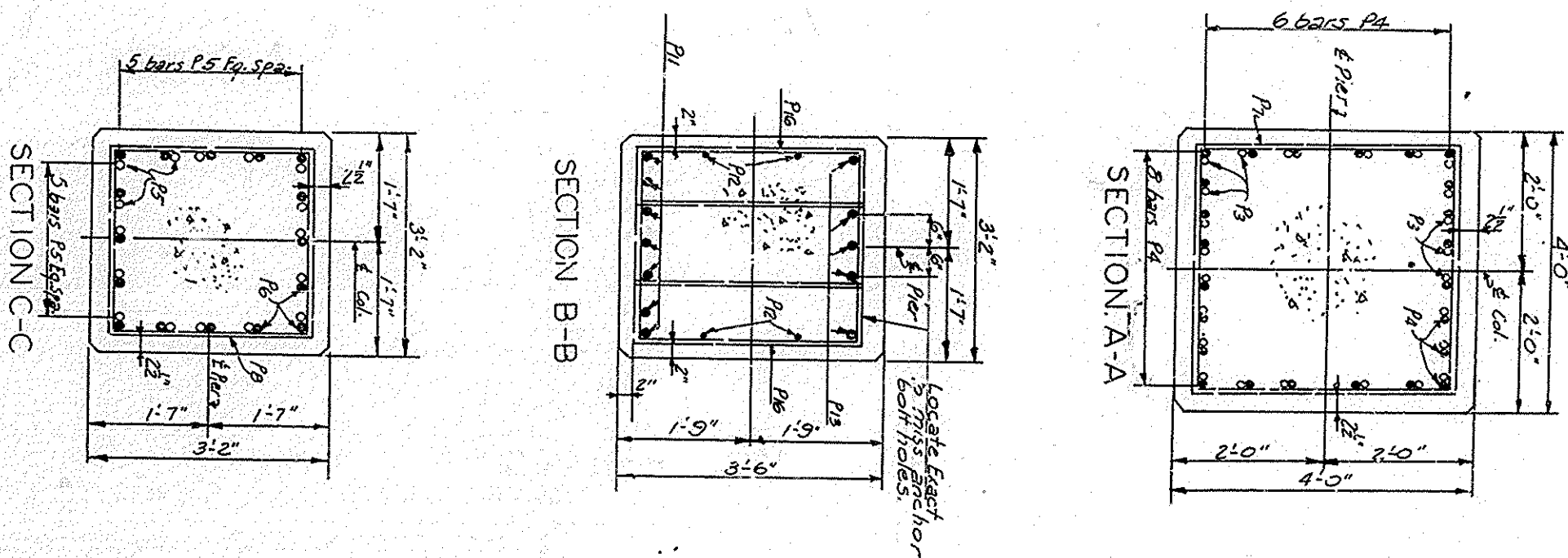
SHEET 6

BILL OF REINFORCEMENT - ONE END BENT									
MARK	TYPE	SIZE	LENGTH	LOCATION	Q	B	C	D	
B1	Str.	18	45	Cap. Top & Bottom	17	4			
B2	Str.	18	17	Stirrups					
B3	Str.	18	22	Cap.					
B4	Str.	18	4	Cap.					
B5	Str.	18	4	Cap.					
B6	Str.	18	4	Cap.					
B7	Str.	18	4	Cap.					
B8	Str.	18	4	Cap.					
B9	Str.	18	4	Cap.					
B10	Str.	18	4	Cap.					
B11	Str.	18	4	Cap.					
B12	Str.	18	4	Cap.					
B13	Str.	18	4	Cap.					
B14	Str.	18	4	Cap.					
B15	Str.	18	4	Cap.					
B16	Str.	18	4	Cap.					
B17	Str.	18	4	Cap.					
B18	Str.	18	4	Cap.					
B19	Str.	18	4	Cap.					
B20	Str.	18	4	Cap.					
B21	Str.	18	4	Cap.					
B22	Str.	18	4	Cap.					
B23	Str.	18	4	Cap.					
B24	Str.	18	4	Cap.					
B25	Str.	18	4	Cap.					
B26	Str.	18	4	Cap.					
B27	Str.	18	4	Cap.					
B28	Str.	18	4	Cap.					
B29	Str.	18	4	Cap.					
B30	Str.	18	4	Cap.					
B31	Str.	18	4	Cap.					
B32	Str.	18	4	Cap.					
B33	Str.	18	4	Cap.					
B34	Str.	18	4	Cap.					
B35	Str.	18	4	Cap.					
B36	Str.	18	4	Cap.					
B37	Str.	18	4	Cap.					
B38	Str.	18	4	Cap.					
B39	Str.	18	4	Cap.					
B40	Str.	18	4	Cap.					
B41	Str.	18	4	Cap.					
B42	Str.	18	4	Cap.					
B43	Str.	18	4	Cap.					
B44	Str.	18	4	Cap.					
B45	Str.	18	4	Cap.					



NOTE: W.L. - Working Point

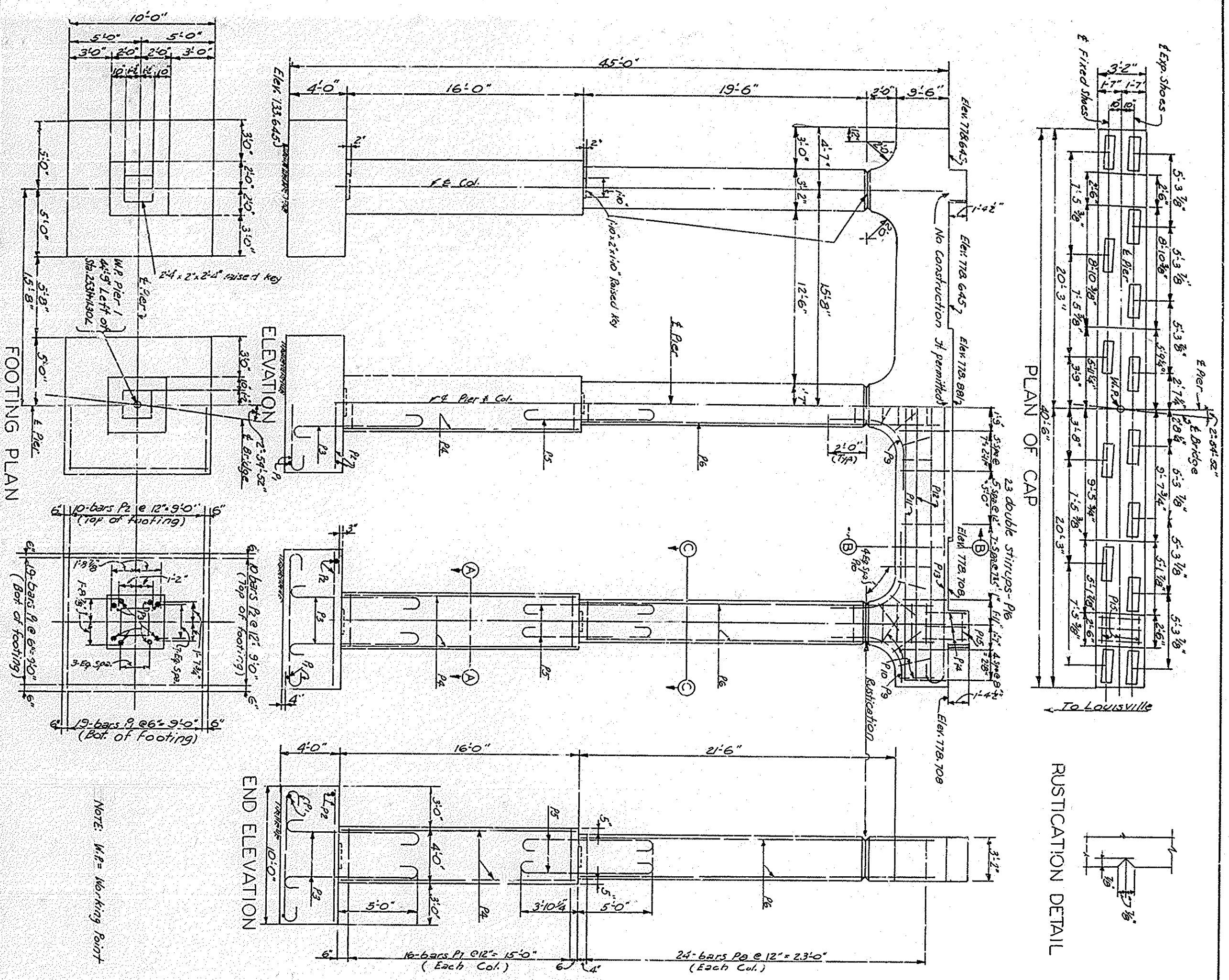
PIER 1 EASTBOUND BRIDGE



ESTIMATE OF QUANTITIES
 Concrete Class A
 Reinforcement 115.5 Cu Yds.
 19438 lbs.

BILL OF REINFORCEMENT									
MARK	TYPE	SIZE	LENGTH	LOCATION	3	6	9	12	15
P1	1/4"	6	11.0	Footings	14	14	14	14	14
P2	5/8"	5	9.6	"	9	0	0	0	6
P3	1/2"	9	11.0	Dowels into footing	7	0	1	0	11
P4	5/8"	11	11.0	Lower Column	7	11	0	0	11
P5	5/8"	11	11.0	Lower Column	7	11	0	0	11
P6	5/8"	11	11.0	Lower Column	7	11	0	0	11
P7	5/8"	11	11.0	Lower Column	7	11	0	0	11
P8	5/8"	11	11.0	Lower Column	7	11	0	0	11
P9	5/8"	11	11.0	Lower Column	7	11	0	0	11
P10	5/8"	11	11.0	Lower Column	7	11	0	0	11
P11	5/8"	11	11.0	Lower Column	7	11	0	0	11
P12	5/8"	11	11.0	Lower Column	7	11	0	0	11
P13	5/8"	11	11.0	Lower Column	7	11	0	0	11
P14	5/8"	11	11.0	Lower Column	7	11	0	0	11
P15	5/8"	11	11.0	Lower Column	7	11	0	0	11
P16	5/8"	11	11.0	Lower Column	7	11	0	0	11
P17	5/8"	11	11.0	Lower Column	7	11	0	0	11
P18	5/8"	11	11.0	Lower Column	7	11	0	0	11
P19	5/8"	11	11.0	Lower Column	7	11	0	0	11
P20	5/8"	11	11.0	Lower Column	7	11	0	0	11
P21	5/8"	11	11.0	Lower Column	7	11	0	0	11
P22	5/8"	11	11.0	Lower Column	7	11	0	0	11
P23	5/8"	11	11.0	Lower Column	7	11	0	0	11
P24	5/8"	11	11.0	Lower Column	7	11	0	0	11
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P29	5/8"	11	11.0	Lower Column	7	11	0	0	11
P30	5/8"	11	11.0	Lower Column	7	11	0	0	11
P31	5/8"	11	11.0	Lower Column	7	11	0	0	11
P32	5/8"	11	11.0	Lower Column	7	11	0	0	11
P33	5/8"	11	11.0	Lower Column	7	11	0	0	11
P34	5/8"	11	11.0	Lower Column	7	11	0	0	11
P35	5/8"	11	11.0	Lower Column	7	11	0	0	11
P36	5/8"	11	11.0	Lower Column	7	11	0	0	11
P37	5/8"	11	11.0	Lower Column	7	11	0	0	11
P38	5/8"	11	11.0	Lower Column	7	11	0	0	11
P39	5/8"	11	11.0	Lower Column	7	11	0	0	11
P40	5/8"	11	11.0	Lower Column	7	11	0	0	11
P41	5/8"	11	11.0	Lower Column	7	11	0	0	11
P42	5/8"	11	11.0	Lower Column	7	11	0	0	11
P43	5/8"	11	11.0	Lower Column	7	11	0	0	11
P44	5/8"	11	11.0	Lower Column	7	11	0	0	11
P45	5/8"	11	11.0	Lower Column	7	11	0	0	11
P46	5/8"	11	11.0	Lower Column	7	11	0	0	11
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P48	5/8"	11	11.0	Lower Column	7	11	0	0	11
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P54	5/8"	11	11.0	Lower Column	7	11	0	0	11
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P56	5/8"	11	11.0	Lower Column	7	11	0	0	11
P57	5/8"	11	11.0	Lower Column	7	11	0	0	11
P58	5/8"	11	11.0	Lower Column	7	11	0	0	11
P59	5/8"	11	11.0	Lower Column	7	11	0	0	11
P60	5/8"	11	11.0	Lower Column	7	11	0	0	11
P61	5/8"	11	11.0	Lower Column	7	11	0	0	11
P62	5/8"	11	11.0	Lower Column	7	11	0	0	11
P63	5/8"	11	11.0	Lower Column	7	11	0	0	11
P64	5/8"	11	11.0	Lower Column	7	11	0	0	11
P65	5/8"	11	11.0	Lower Column	7	11	0	0	11
P66	5/8"	11	11.0	Lower Column	7	11	0	0	11
P67	5/8"	11	11.0	Lower Column	7	11	0	0	11
P68	5/8"	11	11.0	Lower Column	7	11	0	0	11
P69	5/8"	11	11.0	Lower Column	7	11	0	0	11
P70	5/8"	11	11.0	Lower Column	7	11	0	0	11
P71	5/8"	11	11.0	Lower Column	7	11	0	0	11
P72	5/8"	11	11.0	Lower Column	7	11	0	0	11
P73	5/8"	11	11.0	Lower Column	7	11	0	0	11
P74	5/8"	11	11.0	Lower Column	7	11	0	0	11
P75	5/8"	11	11.0	Lower Column	7	11	0	0	11
P76	5/8"	11	11.0	Lower Column	7	11	0	0	11
P77	5/8"	11	11.0	Lower Column	7	11	0	0	11
P78	5/8"	11	11.0	Lower Column	7	11	0	0	11
P79	5/8"	11	11.0	Lower Column	7	11	0	0	11
P80	5/8"	11	11.0	Lower Column	7	11	0	0	11
P81	5/8"	11	11.0	Lower Column	7	11	0	0	11
P82	5/8"	11	11.0	Lower Column	7	11	0	0	11
P83	5/8"	11	11.0	Lower Column	7	11	0	0	11
P84	5/8"	11	11.0	Lower Column	7	11	0	0	11
P85	5/8"	11	11.0	Lower Column	7	11	0	0	11
P86	5/8"	11	11.0	Lower Column	7	11	0	0	11
P87	5/8"	11	11.0	Lower Column	7	11	0	0	11
P88	5/8"	11	11.0	Lower Column	7	11	0	0	11
P89	5/8"	11	11.0	Lower Column	7	11	0	0	11
P90	5/8"	11	11.0	Lower Column	7	11	0	0	11
P91	5/8"	11	11.0	Lower Column	7	11	0	0	11
P92	5/8"	11	11.0	Lower Column	7	11	0	0	11
P93	5/8"	11	11.0	Lower Column	7	11	0	0	11
P94	5/8"	11	11.0	Lower Column	7	11	0	0	11
P95	5/8"	11	11.0	Lower Column	7	11	0	0	11
P96	5/8"	11	11.0	Lower Column	7	11	0	0	11
P97	5/8"	11	11.0	Lower Column	7	11	0	0	11
P98	5/8"	11	11.0	Lower Column	7	11	0	0	11
P99	5/8"	11	11.0	Lower Column	7	11	0	0	11
P100	5/8"	11	11.0	Lower Column	7	11	0	0	11

DESIGNED BY: J. P. Kunkner	CHECKED BY: J. P. Kunkner	DATE: 10-1-58	REVISION:	DATE:
DEFINED BY: J. P. Kunkner	CHECKED BY: J. P. Kunkner	DATE: 10-1-58	REVISION:	DATE:
TRACE: BY: J. P. Kunkner	CHECKED BY: J. P. Kunkner	DATE: 10-1-58	REVISION:	DATE:



NOTE: W/L= Working Point

PIER 1 WESTBOUND BRIDGE

ESTIMATE OF QUANTITIES

Concrete Class A

Reinforcement

115.4 cu yds.

13498 lbs.

COMMONWEALTH OF KENTUCKY

DEPARTMENT OF HIGHWAYS

FRANKFORT

COUNTY OF

LOUISVILLE-LEXINGTON-CATLETTSBURG

ROWAN

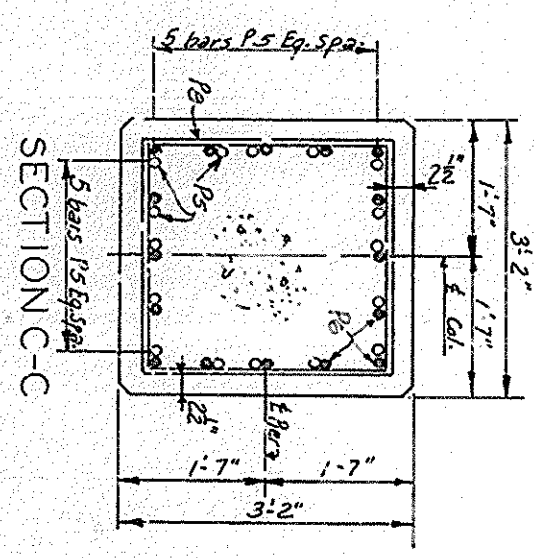
ROAD

STATION 47+98.58 TO 48+16.41

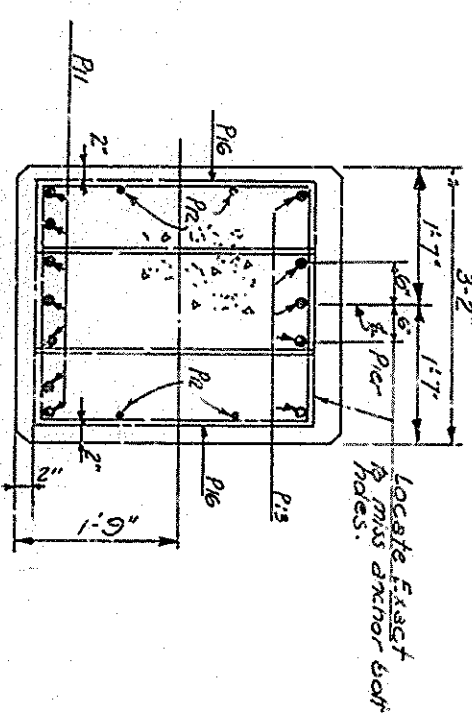
BRIDGE

NUMBER

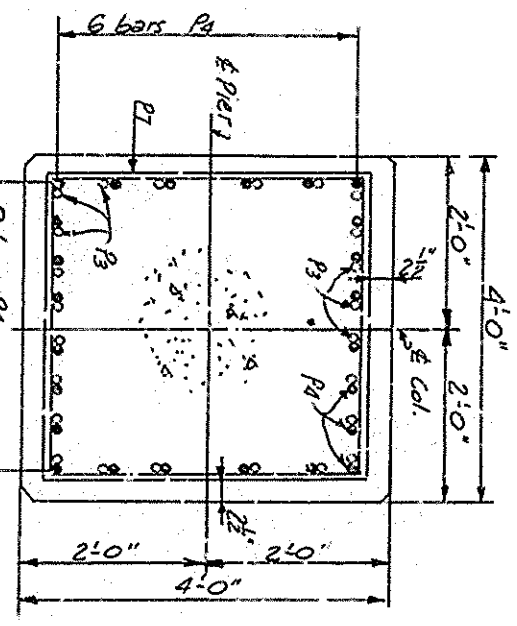
16803



SECTION B-B

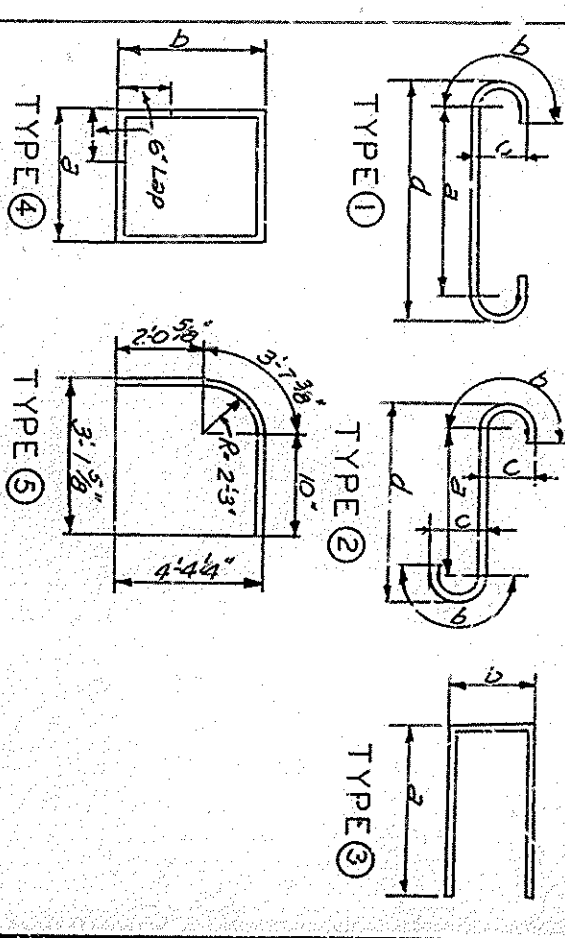


SECTION A-A

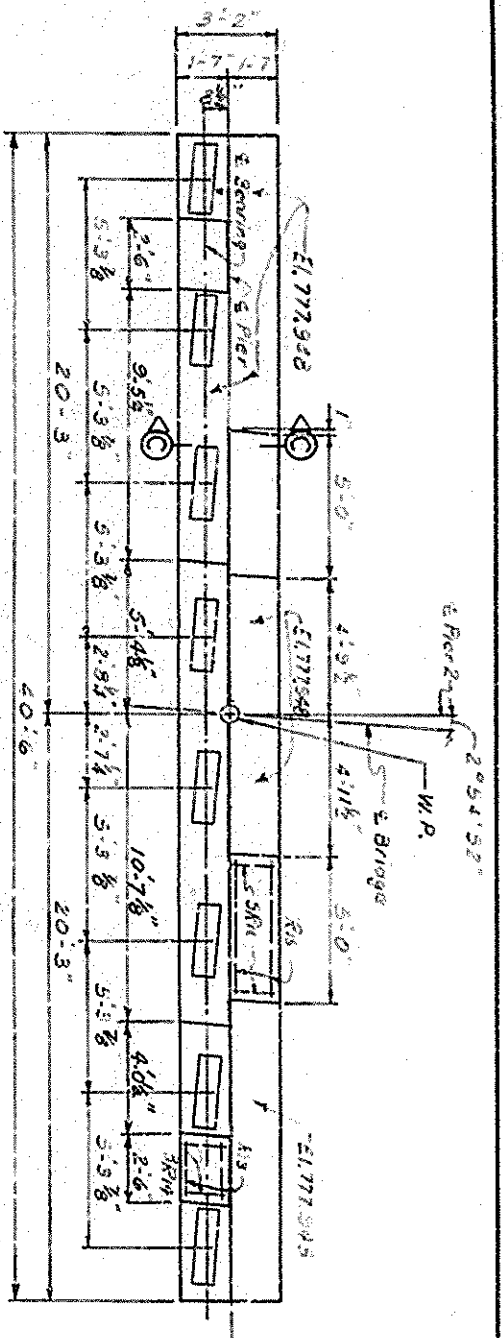


BILL OF REINFORCEMENT

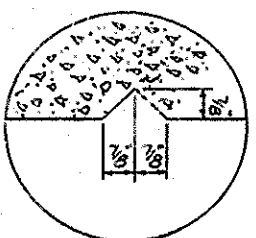
MARK	NO.	LENGTH	LOCATION	A	B	C	D
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P2	60	3	9	6	0	0	0
P3	60	3	9	6	0	0	0
P4	60	3	9	6	0	0	0
P5	60	3	9	6	0	0	0
P6	60	3	9	6	0	0	0
P7	60	3	9	6	0	0	0
P8	60	3	9	6	0	0	0
P9	60	3	9	6	0	0	0
P10	60	3	9	6	0	0	0
P11	60	3	9	6	0	0	0
P12	60	3	9	6	0	0	0
P13	60	3	9	6	0	0	0
P14	60	3	9	6	0	0	0
P15	60	3	9	6	0	0	0
P16	60	3	9	6	0	0	0
P17	60	3	9	6	0	0	0
P18	60	3	9	6	0	0	0
P19	60	3	9	6	0	0	0
P20	60	3	9	6	0	0	0
P21	60	3	9	6	0	0	0
P22	60	3	9	6	0	0	0
P23	60	3	9	6	0	0	0
P24	60	3	9	6	0	0	0
P25	60	3	9	6	0	0	0
P26	60	3	9	6	0	0	0
P27	60	3	9	6	0	0	0
P28	60	3	9	6	0	0	0
P29	60	3	9	6	0	0	0
P30	60	3	9	6	0	0	0
P31	60	3	9	6	0	0	0
P32	60	3	9	6	0	0	0
P33	60	3	9	6	0	0	0
P34	60	3	9	6	0	0	0
P35	60	3	9	6	0	0	0
P36	60	3	9	6	0	0	0
P37	60	3	9	6	0	0	0
P38	60	3	9	6	0	0	0
P39	60	3	9	6	0	0	0
P40	60	3	9	6	0	0	0
P41	60	3	9	6	0	0	0
P42	60	3	9	6	0	0	0
P43	60	3	9	6	0	0	0
P44	60	3	9	6	0	0	0
P45	60	3	9	6	0	0	0
P46	60	3	9	6	0	0	0
P47	60	3	9	6	0	0	0
P48	60	3	9	6	0	0	0
P49	60	3	9	6	0	0	0
P50	60	3	9	6	0	0	0
P51	60	3	9	6	0	0	0
P52	60	3	9	6	0	0	0
P53	60	3	9	6	0	0	0
P54	60	3	9	6	0	0	0
P55	60	3	9	6	0	0	0
P56	60	3	9	6	0	0	0
P57	60	3	9	6	0	0	0
P58	60	3	9	6	0	0	0
P59	60	3	9	6	0	0	0
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P62	60	3	9	6	0	0	0
P63	60	3	9	6	0	0	0
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P65	60	3	9	6	0	0	0
P66	60	3	9	6	0	0	0
P67	60	3	9	6	0	0	0
P68	60	3	9	6	0	0	0
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P71	60	3	9	6	0	0	0
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P73	60	3	9	6	0	0	0
P74	60	3	9	6	0	0	0
P75	60	3	9	6	0	0	0
P76	60	3	9	6	0	0	0
P77	60	3	9	6	0	0	0
P78	60	3	9	6	0	0	0
P79	60	3	9	6	0	0	0
P80	60	3	9	6	0	0	0
P81	60	3	9	6	0	0	0
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P85	60	3	9	6	0	0	0
P86	60	3	9	6	0	0	0
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P89	60	3	9	6	0	0	0
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P91	60	3	9	6	0	0	0
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P93	60	3	9	6	0	0	0
P94	60	3	9	6	0	0	0
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P97	60	3	9	6	0	0	0
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P99	60	3	9	6	0	0	0
P100	60	3	9	6	0	0	0



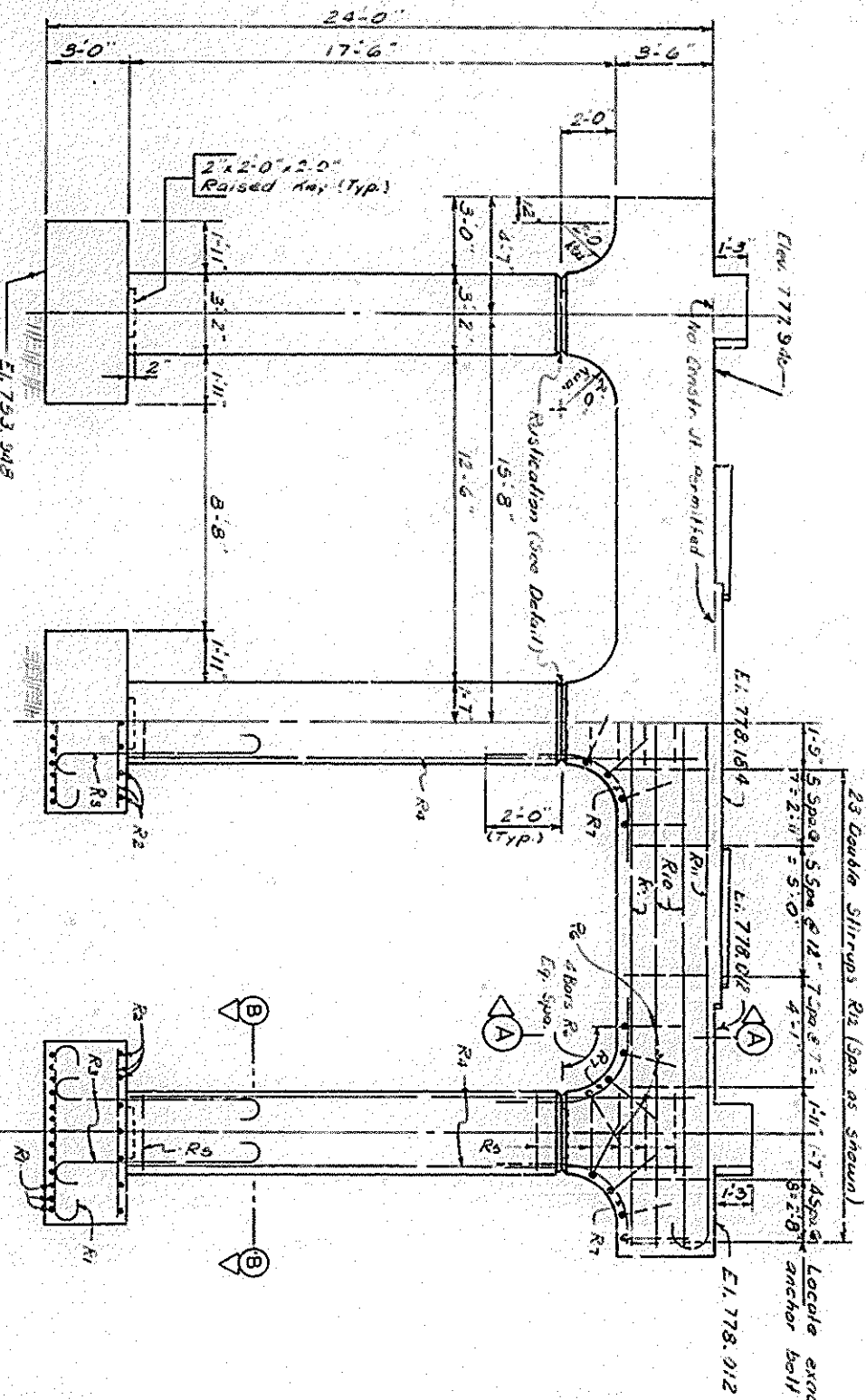
DESIGNED BY: J.T. Faulkner
 CHECKED BY: M. Kelly
 DATE: 9/12/67
 REVISION: 1
 DATE: 9/12/67
 REVISION: 2
 DATE: 9/12/67
 REVISION: 3
 DATE: 9/12/67



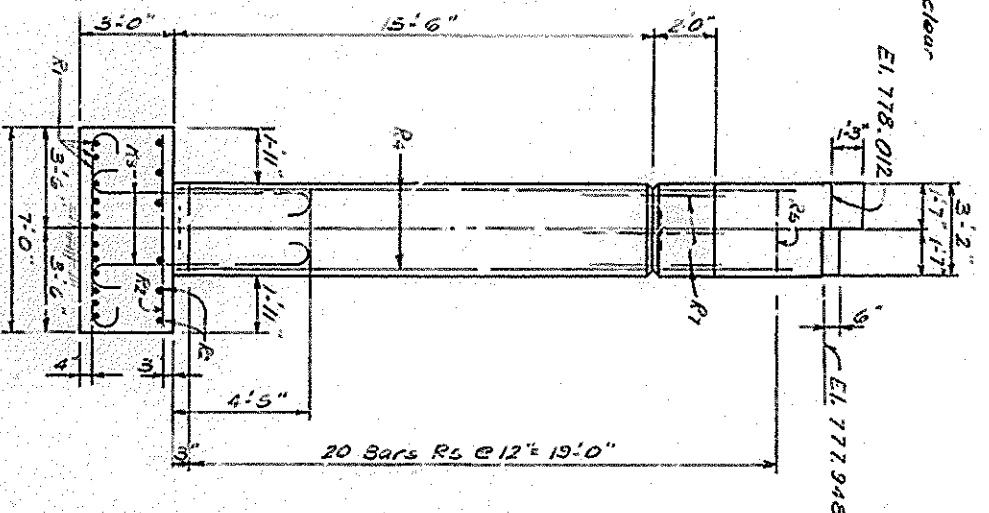
PLAN OF CAP



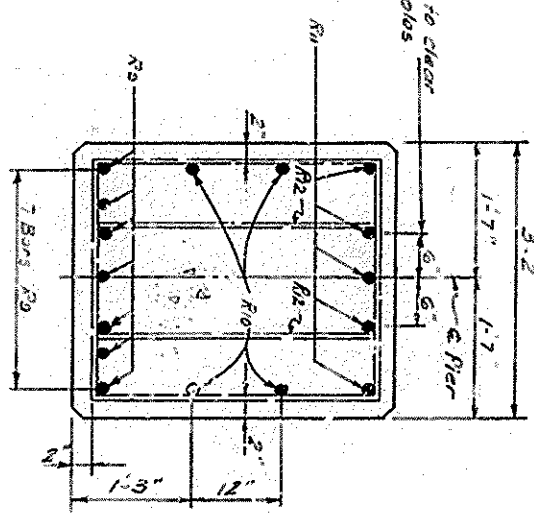
RUSTICATION DETAIL



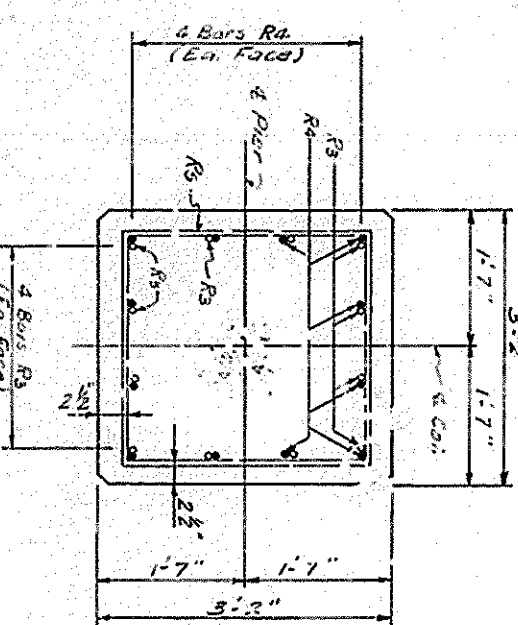
ELEVATION



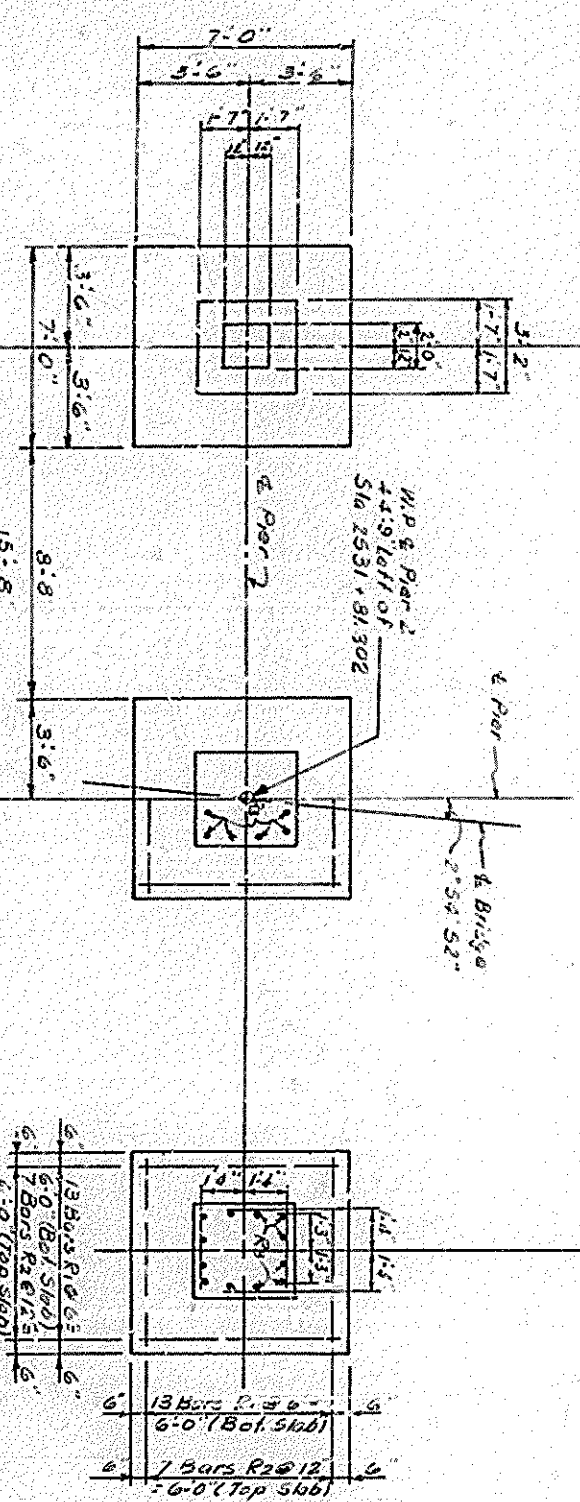
END ELEVATION



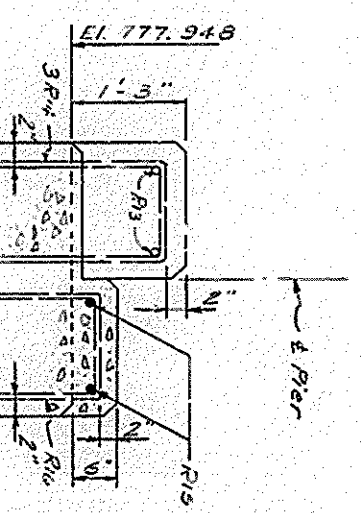
SECTION A-A



SECTION B-B

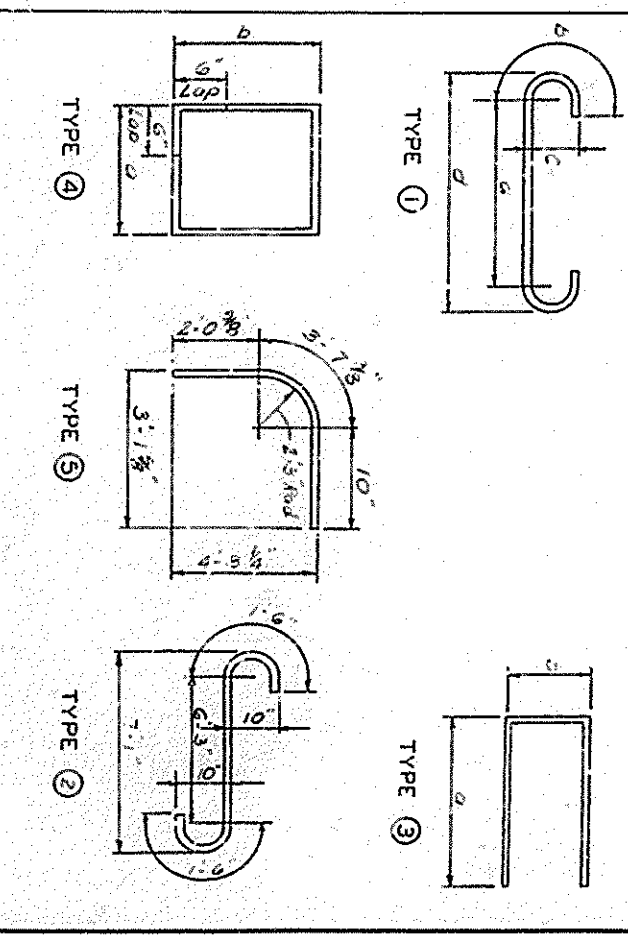


PLAN OF FOOTING



SECTION C-C

BILL OF REINFORCEMENT									
Mark	Type	Length	Location	a	b	c	d	Qty	Notes
R1	1	11.0	Top of Footing	6	3	1	0	6	3
R2	2	11.0	Top of Footing	6	3	1	0	6	3
R3	3	11.0	Top of Footing	6	3	1	0	6	3
R4	4	11.0	Top of Footing	6	3	1	0	6	3
R5	5	11.0	Top of Footing	6	3	1	0	6	3
R6	6	11.0	Top of Footing	6	3	1	0	6	3
R7	7	11.0	Top of Footing	6	3	1	0	6	3
R8	8	11.0	Top of Footing	6	3	1	0	6	3
R9	9	11.0	Top of Footing	6	3	1	0	6	3
R10	10	11.0	Top of Footing	6	3	1	0	6	3
R11	11	11.0	Top of Footing	6	3	1	0	6	3
R12	12	11.0	Top of Footing	6	3	1	0	6	3
R13	13	11.0	Top of Footing	6	3	1	0	6	3
R14	14	11.0	Top of Footing	6	3	1	0	6	3
R15	15	11.0	Top of Footing	6	3	1	0	6	3
R16	16	11.0	Top of Footing	6	3	1	0	6	3
R17	17	11.0	Top of Footing	6	3	1	0	6	3
R18	18	11.0	Top of Footing	6	3	1	0	6	3
R19	19	11.0	Top of Footing	6	3	1	0	6	3
R20	20	11.0	Top of Footing	6	3	1	0	6	3
R21	21	11.0	Top of Footing	6	3	1	0	6	3
R22	22	11.0	Top of Footing	6	3	1	0	6	3
R23	23	11.0	Top of Footing	6	3	1	0	6	3
R24	24	11.0	Top of Footing	6	3	1	0	6	3
R25	25	11.0	Top of Footing	6	3	1	0	6	3
R26	26	11.0	Top of Footing	6	3	1	0	6	3
R27	27	11.0	Top of Footing	6	3	1	0	6	3
R28	28	11.0	Top of Footing	6	3	1	0	6	3
R29	29	11.0	Top of Footing	6	3	1	0	6	3
R30	30	11.0	Top of Footing	6	3	1	0	6	3
R31	31	11.0	Top of Footing	6	3	1	0	6	3
R32	32	11.0	Top of Footing	6	3	1	0	6	3
R33	33	11.0	Top of Footing	6	3	1	0	6	3
R34	34	11.0	Top of Footing	6	3	1	0	6	3
R35	35	11.0	Top of Footing	6	3	1	0	6	3
R36	36	11.0	Top of Footing	6	3	1	0	6	3
R37	37	11.0	Top of Footing	6	3	1	0	6	3
R38	38	11.0	Top of Footing	6	3	1	0	6	3
R39	39	11.0	Top of Footing	6	3	1	0	6	3
R40	40	11.0	Top of Footing	6	3	1	0	6	3
R41	41	11.0	Top of Footing	6	3	1	0	6	3
R42	42	11.0	Top of Footing	6	3	1	0	6	3
R43	43	11.0	Top of Footing	6	3	1	0	6	3
R44	44	11.0	Top of Footing	6	3	1	0	6	3
R45	45	11.0	Top of Footing	6	3	1	0	6	3
R46	46	11.0	Top of Footing	6	3	1	0	6	3
R47	47	11.0	Top of Footing	6	3	1	0	6	3
R48	48	11.0	Top of Footing	6	3	1	0	6	3
R49	49	11.0	Top of Footing	6	3	1	0	6	3
R50	50	11.0	Top of Footing	6	3	1	0	6	3
R51	51	11.0	Top of Footing	6	3	1	0	6	3
R52	52	11.0	Top of Footing	6	3	1	0	6	3
R53	53	11.0	Top of Footing	6	3	1	0	6	3
R54	54	11.0	Top of Footing	6	3	1	0	6	3
R55	55	11.0	Top of Footing	6	3	1	0	6	3
R56	56	11.0	Top of Footing	6	3	1	0	6	3
R57	57	11.0	Top of Footing	6	3	1	0	6	3
R58	58	11.0	Top of Footing	6	3	1	0	6	3
R59	59	11.0	Top of Footing	6	3	1	0	6	3
R60	60	11.0	Top of Footing	6	3	1	0	6	3
R61	61	11.0	Top of Footing	6	3	1	0	6	3
R62	62	11.0	Top of Footing	6	3	1	0	6	3
R63	63	11.0	Top of Footing	6	3	1	0	6	3
R64	64	11.0	Top of Footing	6	3	1	0	6	3
R65	65	11.0	Top of Footing	6	3	1	0	6	3
R66	66	11.0	Top of Footing	6	3	1	0	6	3
R67	67	11.0	Top of Footing	6	3	1	0	6	3
R68	68	11.0	Top of Footing	6	3	1	0	6	3
R69	69	11.0	Top of Footing	6	3	1	0	6	3
R70	70	11.0	Top of Footing	6	3	1	0	6	3
R71	71	11.0	Top of Footing	6	3	1	0	6	3
R72	72	11.0	Top of Footing	6	3	1	0	6	3
R73	73	11.0	Top of Footing	6	3	1	0	6	3
R74	74	11.0	Top of Footing	6	3	1	0	6	3
R75	75	11.0	Top of Footing	6	3	1	0	6	3
R76	76	11.0	Top of Footing	6	3	1	0	6	3
R77	77	11.0	Top of Footing	6	3	1	0	6	3
R78	78	11.0	Top of Footing	6	3	1	0	6	3
R79	79	11.0	Top of Footing	6	3	1	0	6	3
R80	80	11.0	Top of Footing	6	3	1	0	6	3
R81	81	11.0	Top of Footing	6	3	1	0	6	3
R82	82	11.0	Top of Footing	6	3	1	0	6	3
R83	83	11.0	Top of Footing	6	3	1	0	6	3
R84	84	11.0	Top of Footing	6	3	1	0	6	3
R85	85	11.0	Top of Footing	6	3	1	0	6	3
R86	86	11.0	Top of Footing	6	3	1	0	6	3
R87	87	11.0	Top of Footing	6	3	1	0	6	3
R88	88	11.0	Top of Footing	6	3	1	0	6	3
R89	89	11.0	Top of Footing	6	3	1	0	6	3
R90	90	11.0	Top of Footing	6	3	1	0	6	3
R91	91	11.0	Top of Footing	6	3	1	0	6	3
R92	92	11.0	Top of Footing	6	3	1	0	6	3
R93	93	11.0	Top of Footing	6	3	1	0	6	3
R94	94	11.0	Top of Footing	6	3	1	0	6	3
R95	95	11.0	Top of Footing	6	3	1	0	6	3
R96	96	11.0	Top of Footing	6	3	1	0	6	3
R97	97	11.0	Top of Footing	6	3	1	0	6	3
R98	98	11.0	Top of Footing	6	3	1	0	6	3
R99	99	11.0	Top of Footing	6	3	1	0	6	3
R100	100	11.0	Top of Footing	6	3	1	0	6	3



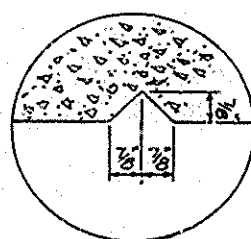
ESTIMATE OF QUANTITIES
 CLASS "A" CONCRETE
 REINFORCEMENT
 54.1 CUBIC YARDS
 7961 LBS

COMMONWEALTH OF KENTUCKY
 DEPARTMENT OF HIGHWAYS
 COUNTY OF ROWAN
 LOUISVILLE-LEXINGTON-CATLETTSBURG
 BRIDGE
 STATION 49+57.60 ON R. 32 PROJECT NO. 16803
 SHEET 8

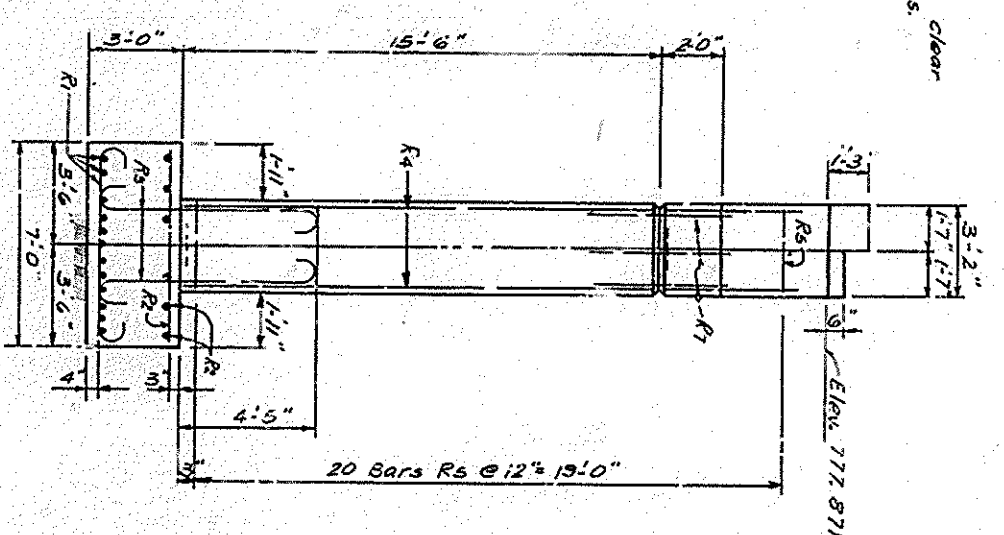
PIER 2 WESTBOUND BRIDGE

[illegible]

RUSTICATION DETAIL

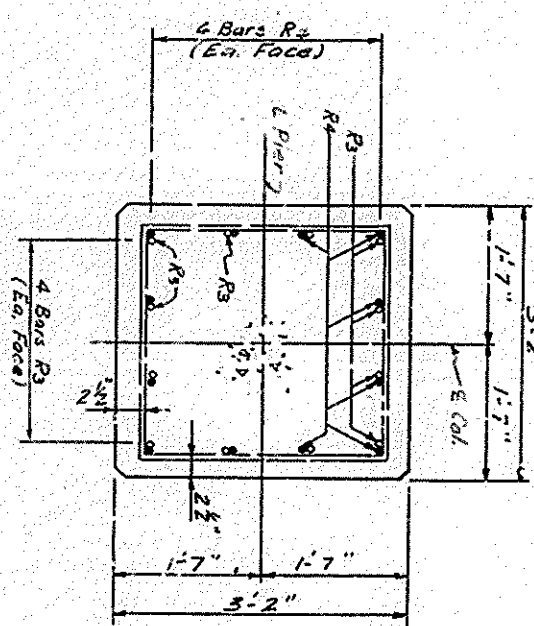


RUSTICATION DETAIL

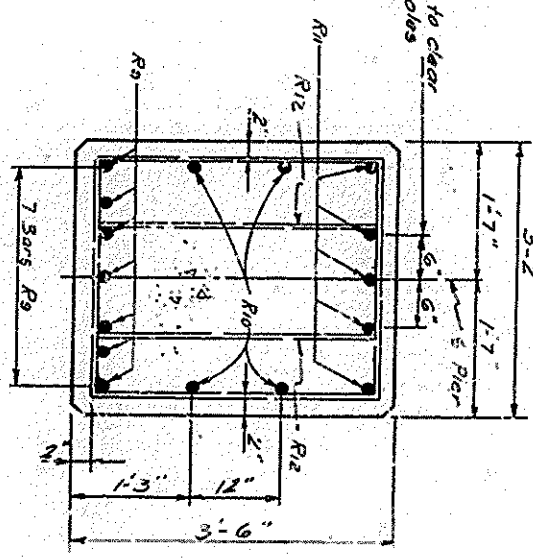


ELEVATION

END ELEVATION



SECTION A-A



Hand-drawn structural drawing of a bridge deck, showing top and side views with dimensions and reinforcement details.

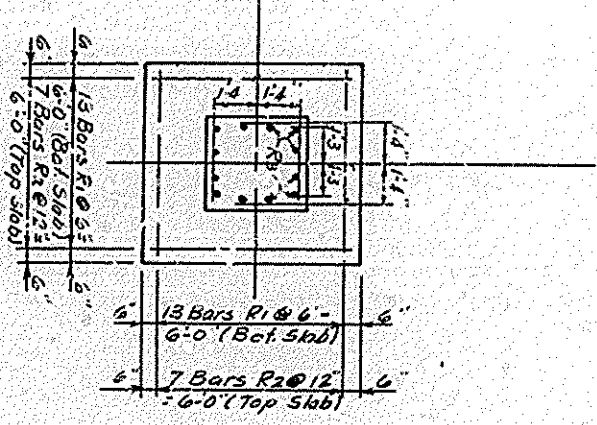
Top View Dimensions:

- Overall width: 7'-0"
- Inner width: 5'-6"
- Overall length: 15'-8"
- Inner length: 13'-0"
- Side view dimensions: 3'-6", 7'-0", 3'-6", 3'-6", 3'-6", 3'-6"

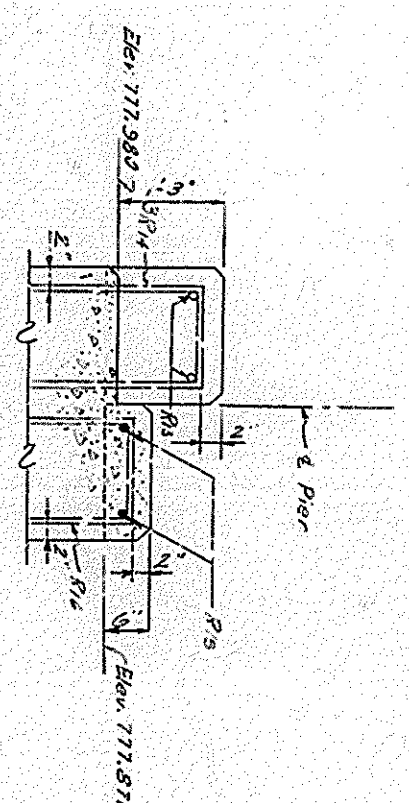
Reinforcement Details:

- Top Deck:** 13 Bars R1 @ 5.5" (6'-0" Bot Skel), 7 Bars R2 @ 12" (6'-0" Top Skel)
- Bottom Deck:** 13 Bars R1 @ 5.5" (6'-0" Bot Skel), 7 Bars R2 @ 12" (6'-0" Top Skel)
- Side View:** 13 Bars R1 @ 5.5" (6'-0" Bot Skel), 7 Bars R2 @ 12" (6'-0" Top Skel)
- Other Labels:** 13 Bars R1 @ 5.5" (6'-0" Bot Skel), 7 Bars R2 @ 12" (6'-0" Top Skel), 13 Bars R1 @ 5.5" (6'-0" Bot Skel), 7 Bars R2 @ 12" (6'-0" Top Skel)

PLAN OF FOOTING



SECTION C-C

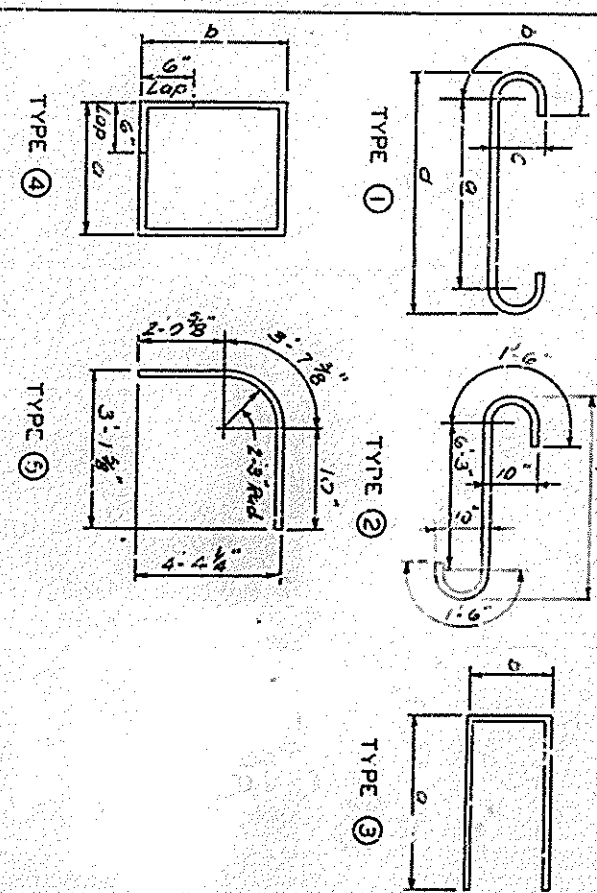


SECTION B-B

PIER 2 EASTBOUND BRIDGE

[illegible]

BILL OF REINFORCEMENT



ESTIMATE OF QUANTITIES

CLASS "A" CONCRETE
REINFORCEMENT

54.1 CUYDS
7961 LBS

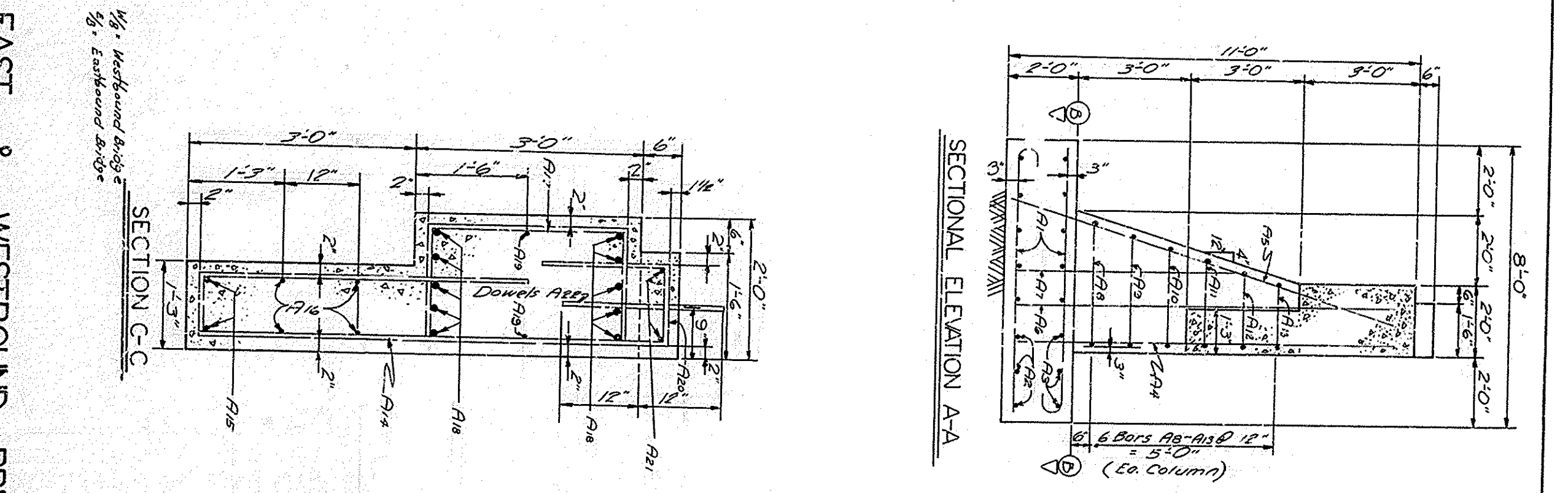
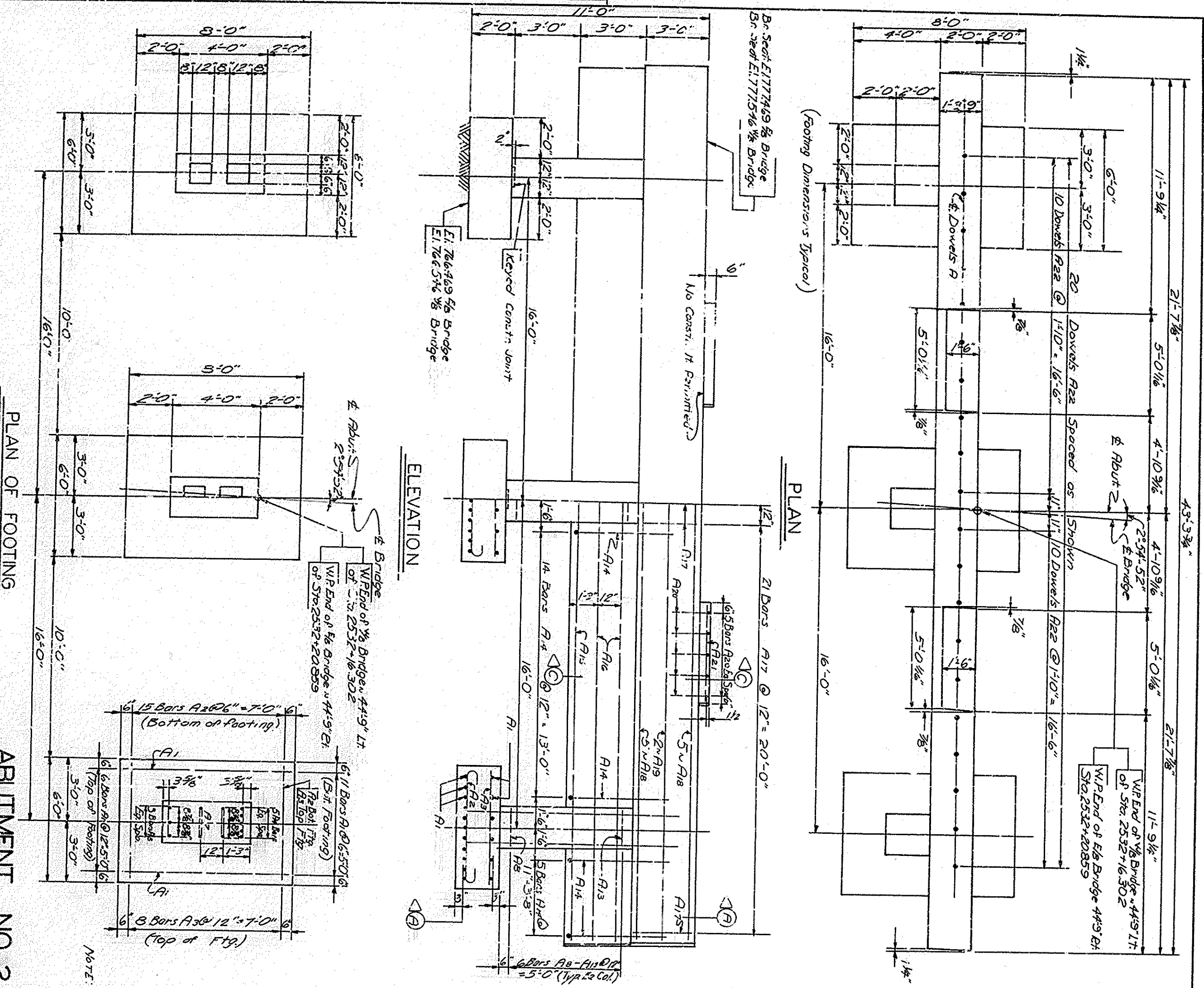
16-6 OVER HY. 32 SHEET 10

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
ROWAN
LOUISVILLE-LEXINGTON-CATLETTSBURG

2531+48.56 on 1-4-32 ROAD
STATION+31.97.69 on HY. 32 PROJECT NO.

BRIDGE	DATE	NO.	FILE
NUMBER	16803		

DESIGNED BY	CHECKED BY	DATE	REVISION	DATE
DETAILED BY	APPROVED BY	DATE	REVISION	DATE
TRACED BY	CHECKED BY	DATE	REVISION	DATE

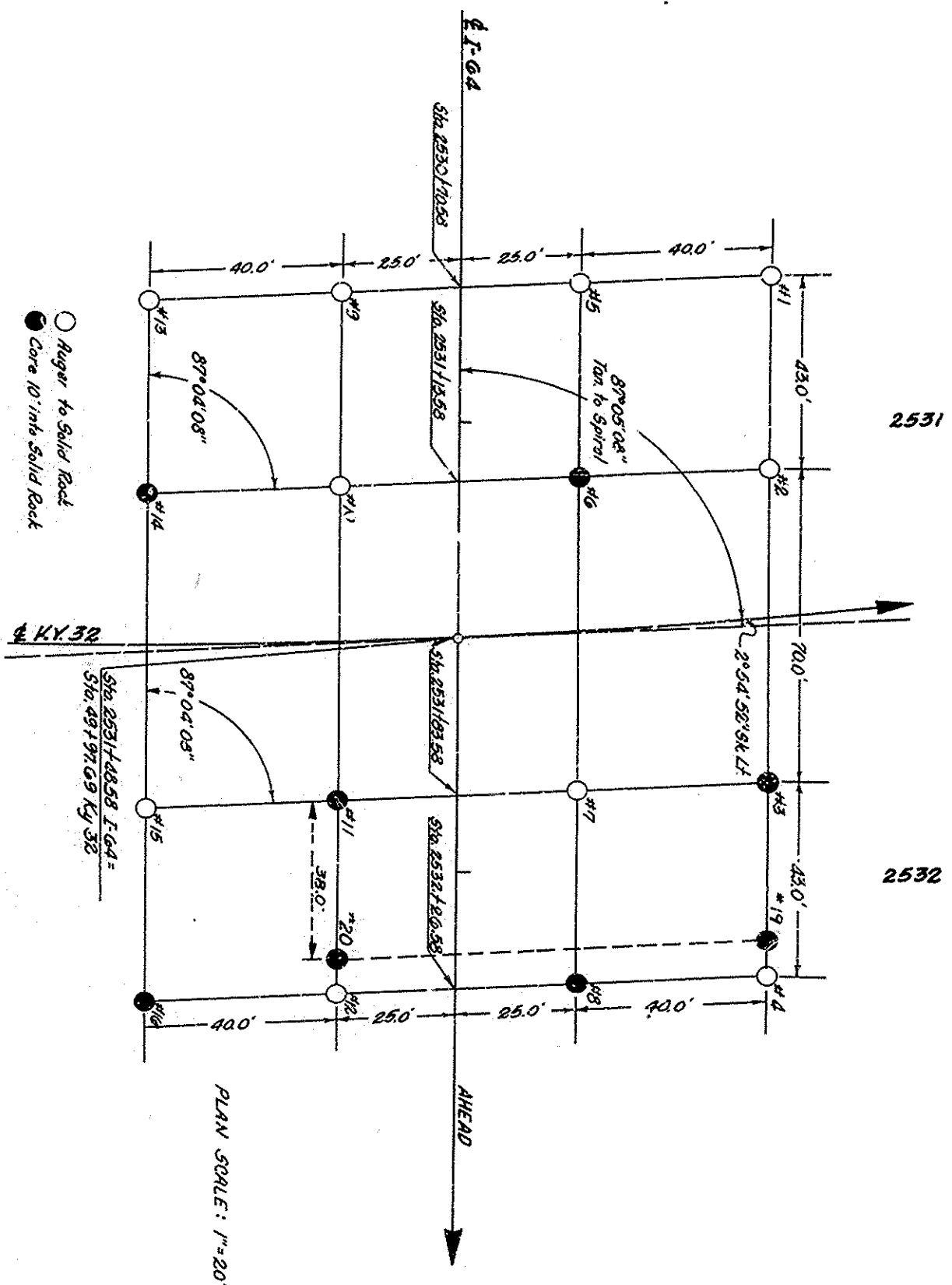


BILL OF REINFORCEMENT									
Mark	No.	Length	Location	Q	B	C	D	E	F
A1	1	3.84	Footings	7.6	0.10	0.5	7.0%		
A2	1	5.5	Footings	5.5	0.10	0.5	5.5		
A3	1	5.5	Footings	5.5	0.10	0.5	5.5		
A4	1	5.5	Footings	5.5	0.10	0.5	5.5		
A5	1	5.5	Footings	5.5	0.10	0.5	5.5		
A6	1	5.5	Footings	5.5	0.10	0.5	5.5		
A7	1	5.5	Footings	5.5	0.10	0.5	5.5		
A8	1	5.5	Footings	5.5	0.10	0.5	5.5		
A9	1	5.5	Footings	5.5	0.10	0.5	5.5		
A10	1	5.5	Footings	5.5	0.10	0.5	5.5		
A11	1	5.5	Footings	5.5	0.10	0.5	5.5		
A12	1	5.5	Footings	5.5	0.10	0.5	5.5		
A13	1	5.5	Footings	5.5	0.10	0.5	5.5		
A14	1	5.5	Footings	5.5	0.10	0.5	5.5		
A15	1	5.5	Footings	5.5	0.10	0.5	5.5		
A16	1	5.5	Footings	5.5	0.10	0.5	5.5		
A17	1	5.5	Footings	5.5	0.10	0.5	5.5		
A18	1	5.5	Footings	5.5	0.10	0.5	5.5		
A19	1	5.5	Footings	5.5	0.10	0.5	5.5		
A20	1	5.5	Footings	5.5	0.10	0.5	5.5		
A21	1	5.5	Footings	5.5	0.10	0.5	5.5		
A22	1	5.5	Footings	5.5	0.10	0.5	5.5		
A23	1	5.5	Footings	5.5	0.10	0.5	5.5		
A24	1	5.5	Footings	5.5	0.10	0.5	5.5		
A25	1	5.5	Footings	5.5	0.10	0.5	5.5		
A26	1	5.5	Footings	5.5	0.10	0.5	5.5		
A27	1	5.5	Footings	5.5	0.10	0.5	5.5		
A28	1	5.5	Footings	5.5	0.10	0.5	5.5		
A29	1	5.5	Footings	5.5	0.10	0.5	5.5		
A30	1	5.5	Footings	5.5	0.10	0.5	5.5		
A31	1	5.5	Footings	5.5	0.10	0.5	5.5		
A32	1	5.5	Footings	5.5	0.10	0.5	5.5		
A33	1	5.5	Footings	5.5	0.10	0.5	5.5		
A34	1	5.5	Footings	5.5	0.10	0.5	5.5		
A35	1	5.5	Footings	5.5	0.10	0.5	5.5		
A36	1	5.5	Footings	5.5	0.10	0.5	5.5		
A37	1	5.5	Footings	5.5	0.10	0.5	5.5		
A38	1	5.5	Footings	5.5	0.10	0.5	5.5		
A39	1	5.5	Footings	5.5	0.10	0.5	5.5		
A40	1	5.5	Footings	5.5	0.10	0.5	5.5		
A41	1	5.5	Footings	5.5	0.10	0.5	5.5		
A42	1	5.5	Footings	5.5	0.10	0.5	5.5		
A43	1	5.5	Footings	5.5	0.10	0.5	5.5		
A44	1	5.5	Footings	5.5	0.10	0.5	5.5		
A45	1	5.5	Footings	5.5	0.10	0.5	5.5		
A46	1	5.5	Footings	5.5	0.10	0.5	5.5		
A47	1	5.5	Footings	5.5	0.10	0.5	5.5		
A48	1	5.5	Footings	5.5	0.10	0.5	5.5		
A49	1	5.5	Footings	5.5	0.10	0.5	5.5		
A50	1	5.5	Footings	5.5	0.10	0.5	5.5		
A51	1	5.5	Footings	5.5	0.10	0.5	5.5		
A52	1	5.5	Footings	5.5	0.10	0.5	5.5		
A53	1	5.5	Footings	5.5	0.10	0.5	5.5		
A54	1	5.5	Footings	5.5	0.10	0.5	5.5		
A55	1	5.5	Footings	5.5	0.10	0.5	5.5		
A56	1	5.5	Footings	5.5	0.10	0.5	5.5		
A57	1	5.5	Footings	5.5	0.10	0.5	5.5		
A58	1	5.5	Footings	5.5	0.10	0.5	5.5		
A59	1	5.5	Footings	5.5	0.10	0.5	5.5		
A60	1	5.5	Footings	5.5	0.10	0.5	5.5		
A61	1	5.5	Footings	5.5	0.10	0.5	5.5		
A62	1	5.5	Footings	5.5	0.10	0.5	5.5		
A63	1	5.5	Footings	5.5	0.10	0.5	5.5		
A64	1	5.5	Footings	5.5	0.10	0.5	5.5		
A65	1	5.5	Footings	5.5	0.10	0.5	5.5		
A66	1	5.5	Footings	5.5	0.10	0.5	5.5		
A67	1	5.5	Footings	5.5	0.10	0.5	5.5		
A68	1	5.5	Footings	5.5	0.10	0.5	5.5		
A69	1	5.5	Footings	5.5	0.10	0.5	5.5		
A70	1	5.5	Footings	5.5	0.10	0.5	5.5		
A71	1	5.5	Footings	5.5	0.10	0.5	5.5		
A72	1	5.5	Footings	5.5	0.10	0.5	5.5		
A73	1	5.5	Footings	5.5	0.10	0.5	5.5		
A74	1	5.5	Footings	5.5	0.10	0.5	5.5		
A75	1	5.5	Footings	5.5	0.10	0.5	5.5		
A76	1	5.5	Footings	5.5	0.10	0.5	5.5		
A77	1	5.5	Footings	5.5	0.10	0.5	5.5		
A78	1	5.5	Footings	5.5	0.10	0.5	5.5		
A79	1	5.5	Footings	5.5	0.10	0.5	5.5		
A80	1	5.5	Footings	5.5	0.10	0.5	5.5		
A81	1	5.5	Footings	5.5	0.10	0.5	5.5		
A82	1	5.5	Footings	5.5	0.10	0.5	5.5		
A83	1	5.5	Footings	5.5	0.10	0.5	5.5		
A84	1	5.5	Footings	5.5	0.10	0.5	5.5		
A85	1	5.5	Footings	5.5	0.10	0.5	5.5		
A86	1	5.5	Footings	5.5	0.10	0.5	5.5		
A87	1	5.5	Footings	5.5	0.10	0.5	5.5		
A88	1	5.5	Footings	5.5	0.10	0.5	5.5		
A89	1	5.5	Footings	5.5	0.10	0.5	5.5		
A90	1	5.5	Footings	5.5	0.10	0.5	5.5		
A91	1	5.5	Footings	5.5	0.10	0.5	5.5		
A92	1	5.5	Footings	5.5	0.10	0.5	5.5		
A93	1	5.5	Footings	5.5	0.10	0.5	5.5		
A94	1	5.5	Footings	5.5	0.10	0.5	5.5		
A95	1	5.5	Footings	5.5	0.10	0.5	5.5		
A96	1	5.5	Footings	5.5	0.10	0.5	5.5		
A97	1	5.5	Footings	5.5	0.10	0.5	5.5		
A98	1	5.5	Footings	5.5	0.10	0.5	5.5		
A99	1	5.5	Footings	5.5	0.10	0.5	5.5		
A100	1	5.5	Footings	5.5	0.10	0.5	5.5		

ESTIMATE OF QUANTITIES									
COMMONWEALTH OF KENTUCKY									
DEPARTMENT OF HIGHWAYS									
FRANKFORT									
COUNTY OF									
LOUISVILLE-LEXINGTON-CATLETTSBURG									
STATION 234+45.8 ON I-64 ROAD									
PROJECT NO. 48+97.89 ON KY32									
BRIDGE NUMBER 16203									
SHEET 11									

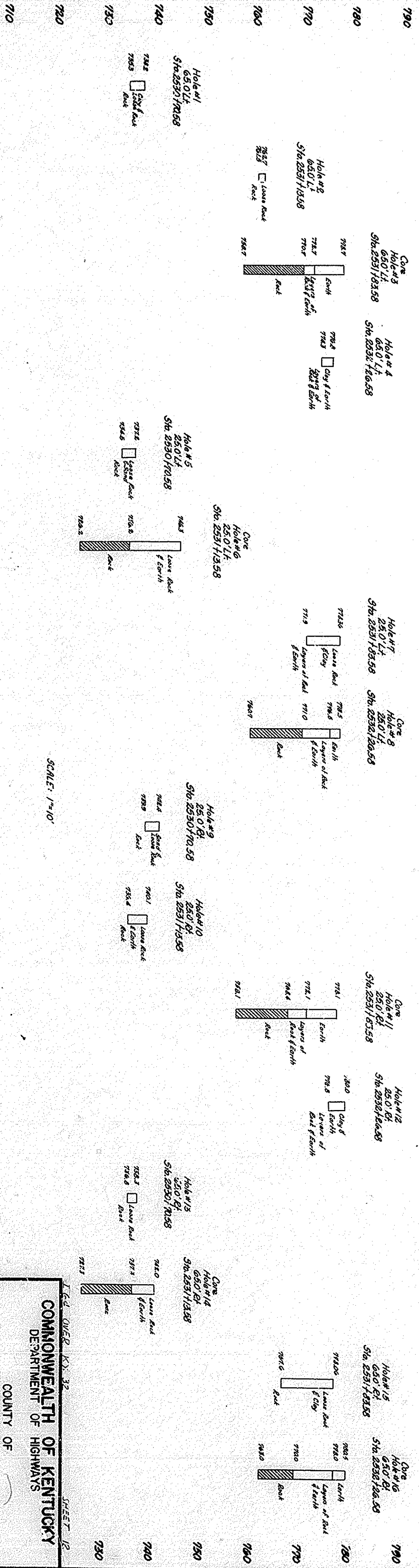
DATE	BY	CHKD	APPD

Rowan County I-64-G
 Lexington-Catlettsburg Rd
 I-64 Over Ky 32
 Sta. 2531+48.58 I-64
 Sta. 49197.07 Ky 32



NOTE:
 Holes #19 & 20
 have been added
 to original Soundings

Hole #19 650' LT Sta. 2532+21.58	Hole #20 250' LT Sta. 2532+21.58
7773 Loose Rock	7786 Loose Rock
7743 Loose Rock	7743 Loose Rock
770 Layers of Rock	7798 Layers of Rock
768.3 Shale	769.8 Shale
760 Solid Rock	761.6 Solid Rock



SOUNDINGS

COMMONWEALTH OF KENTUCKY
 DEPARTMENT OF HIGHWAYS

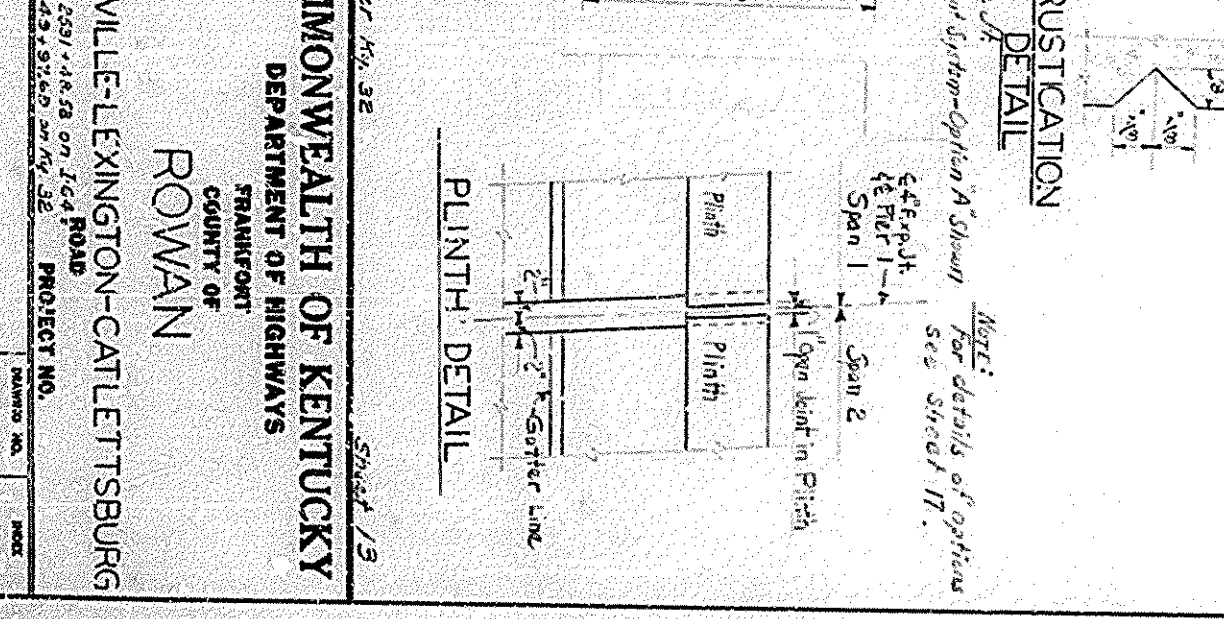
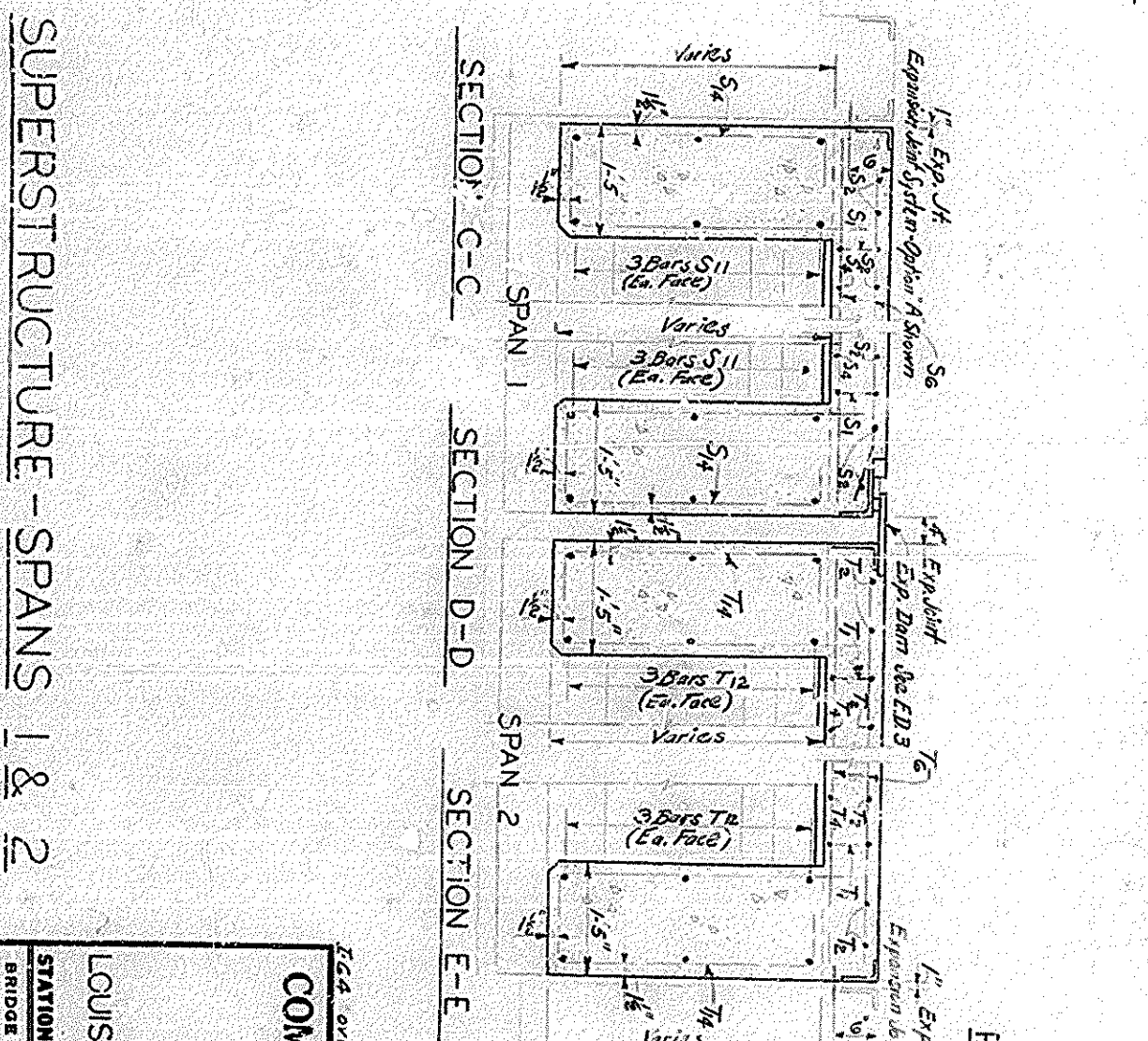
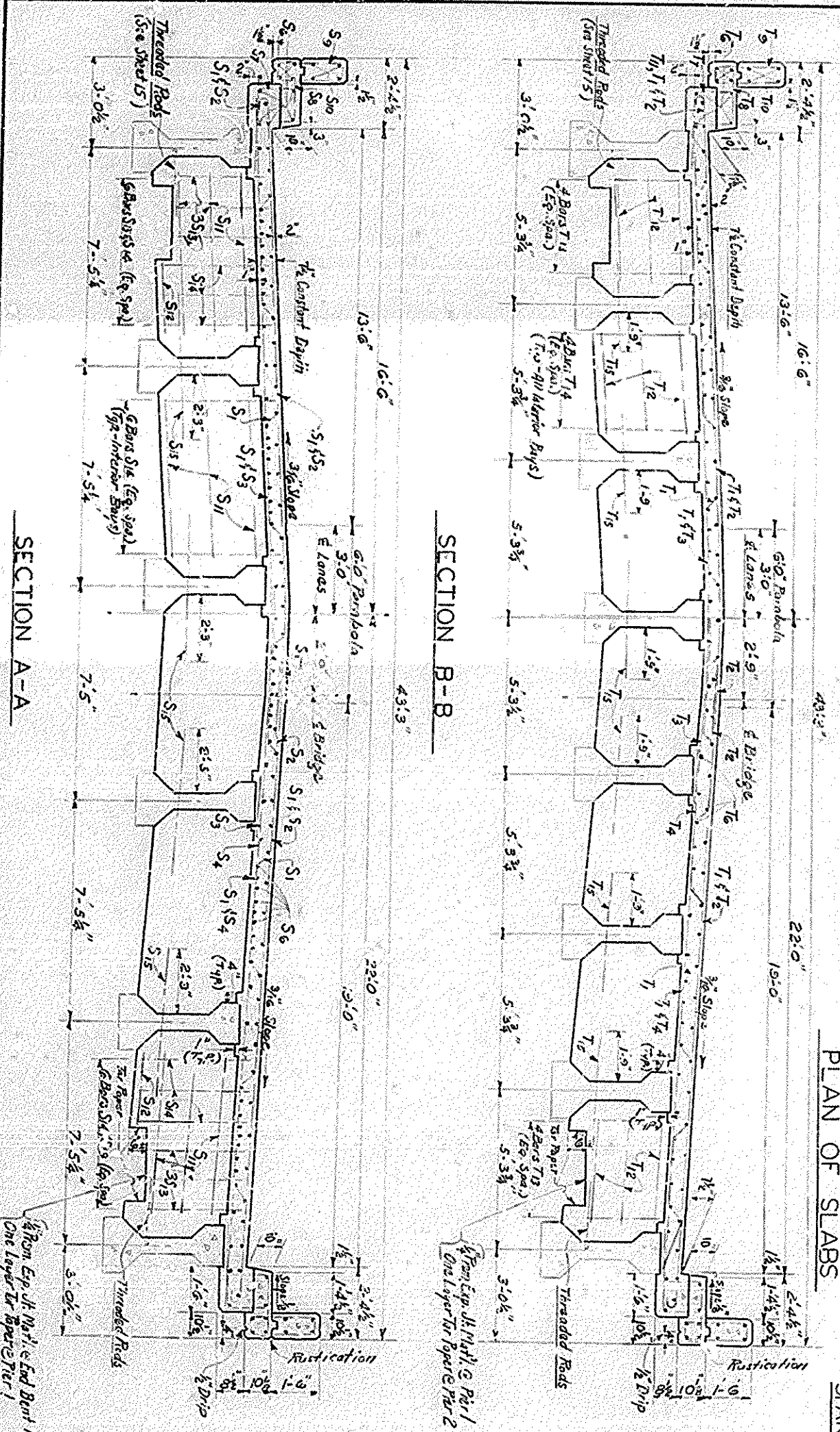
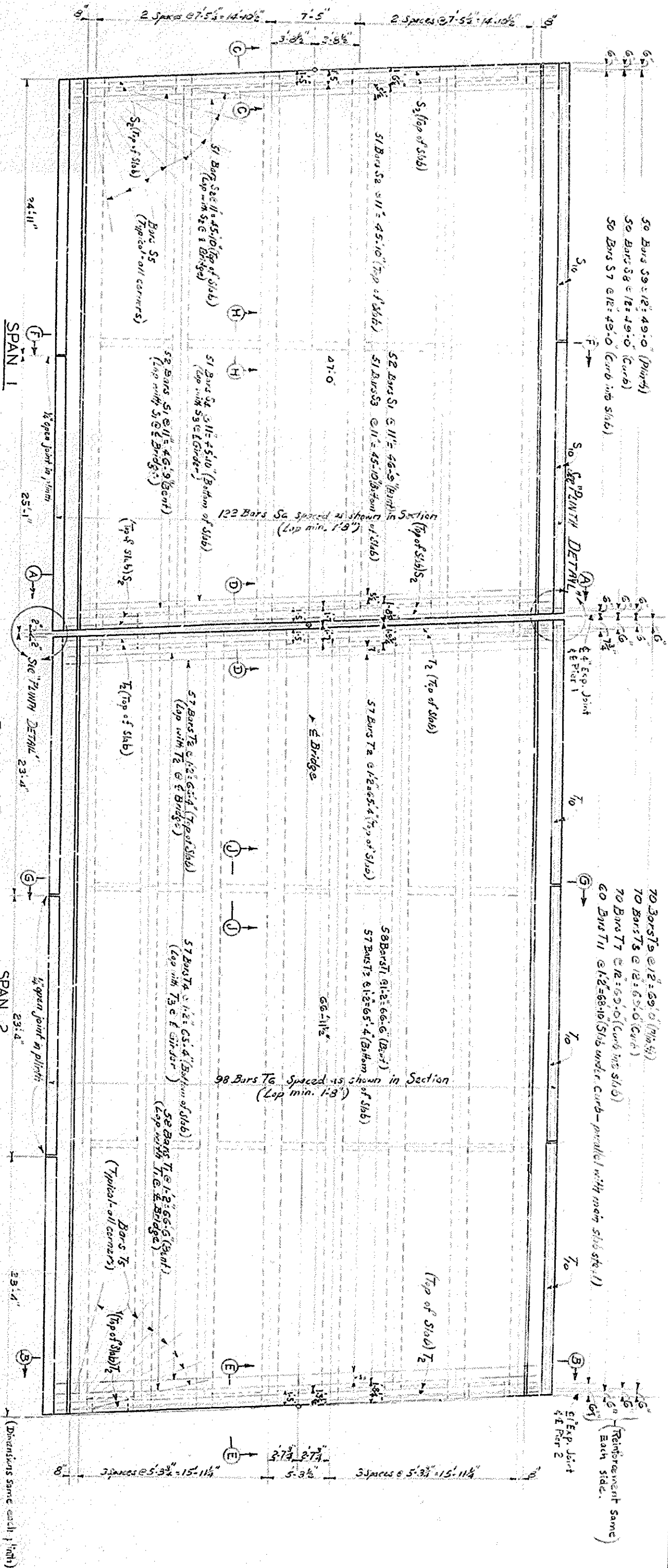
COUNTY OF ROWAN

LOUSVILLE - LEXINGTON - CATLETTSBURG
 ROAD

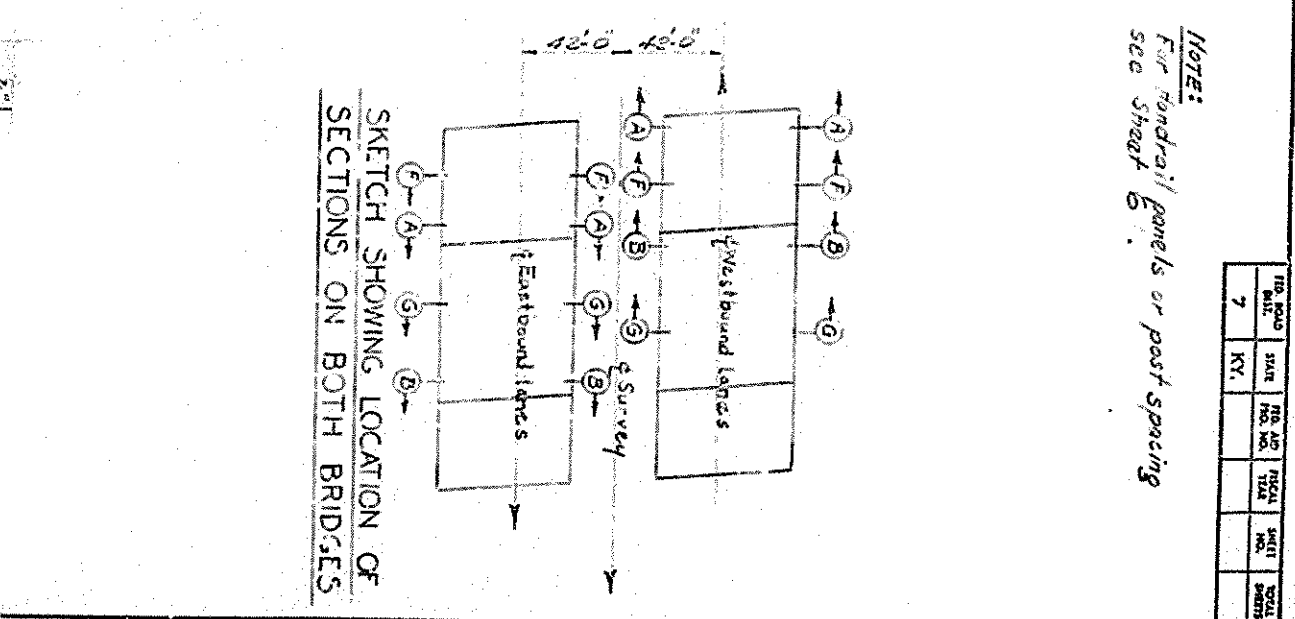
STA. 2531+48.58 ON I-64
 STATION 49197.07 ON KY 32 PROJECT

DRAWING NO. 8803 INDEX

DESIGNED BY	2/2/64	CHECKED BY		DATE	
DETAILED BY		CHECKED BY		DATE	
TRACED BY		CHECKED BY		DATE	



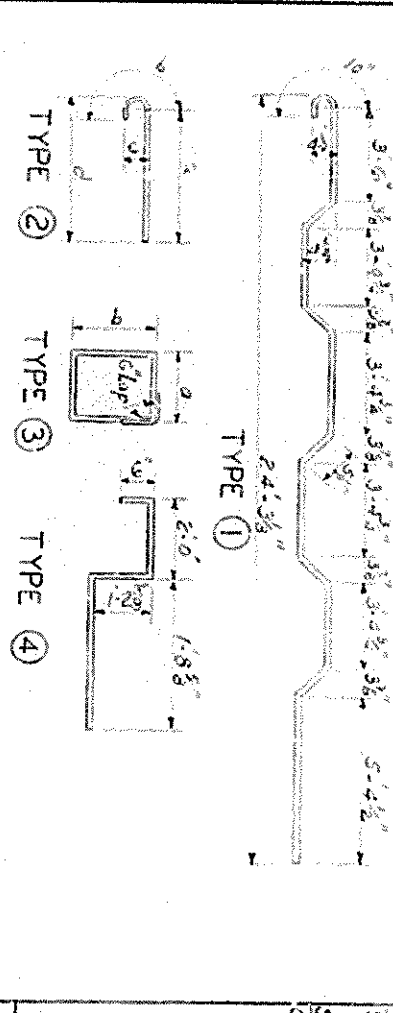
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
COUNTY OF
ROWAN
LOUISVILLE-LEXINGTON-CATLETTSBURG
ROAD
STATION 14+28.00 TO 14+32.00
PROJECT NO. 16803
DRAWING NO. 16803



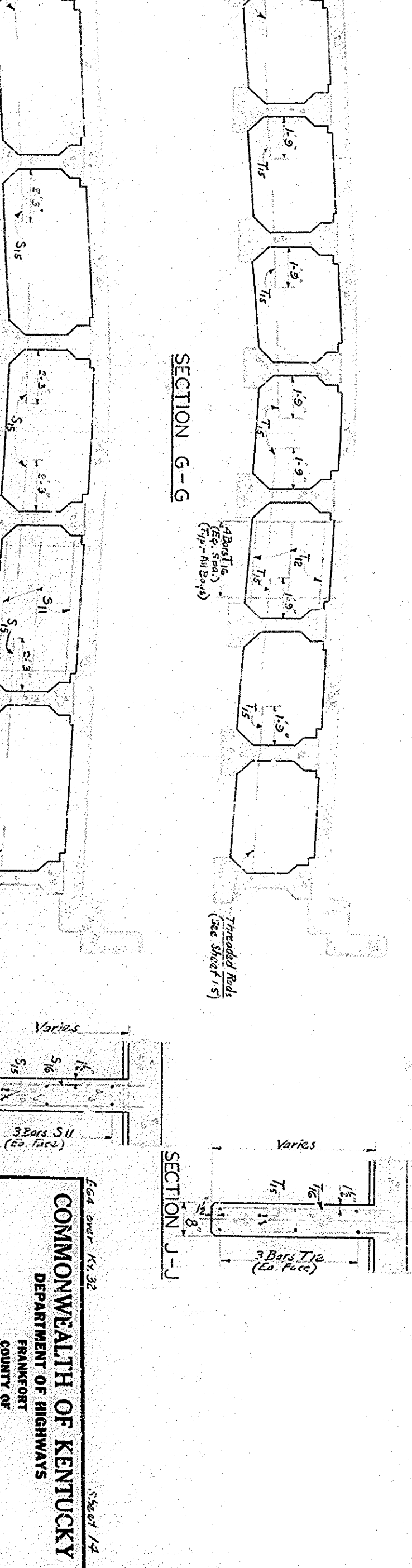
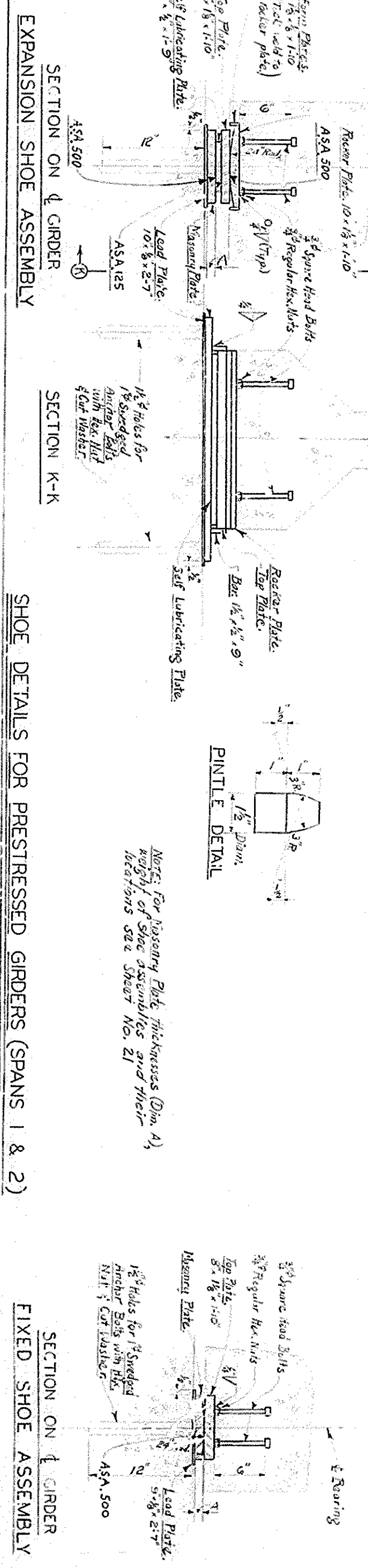
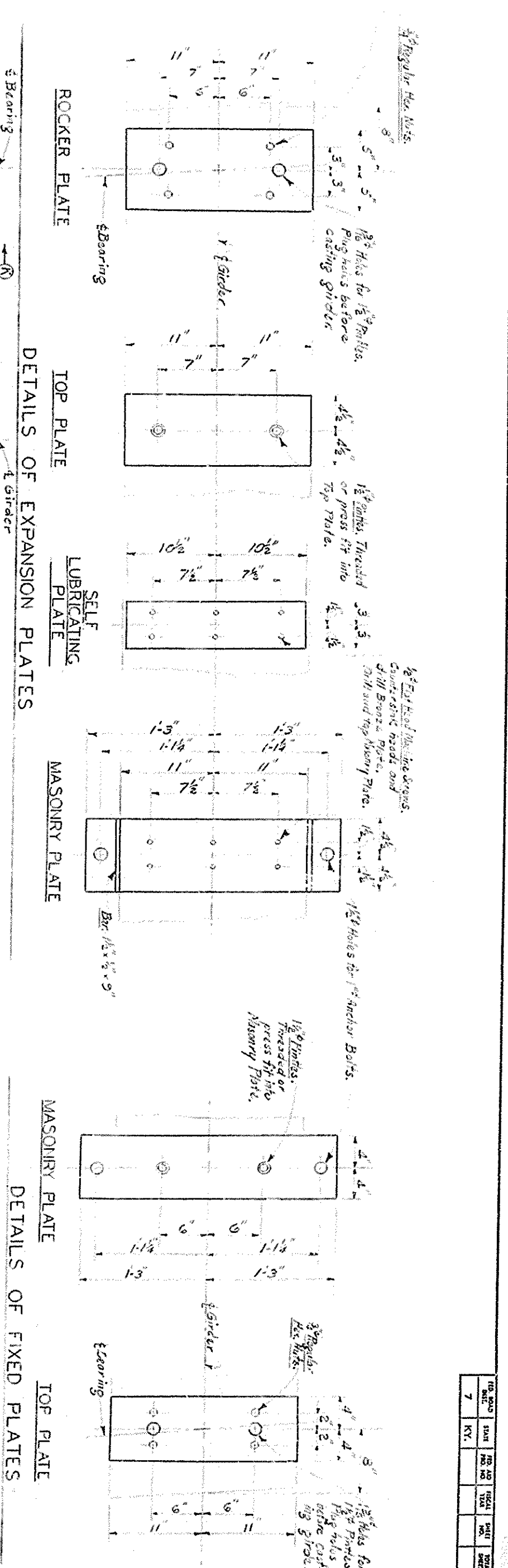
NOTE:
For standard panels or post spacing
see sheet 6.

BILL OF REINFORCEMENT (Span 1 & 2 - one Bridge)

MARK TYPE NO.	SIZE	FT. IN.	LOCATION	FT. IN.	6	6	6	6
1	100	5	25.7	Sub-Bent	22.6	0.10	0.4%	22.8%
2	110	5	25.4	Top				
3	51	5	25.4	Bottom				
4	51	5	17.11					
5	32	6	10.0	CornerRadius				
6	24.4	4	25.8	Longitudinal				
7	100	5	5.5	Curb into Sub	1.1	1.3		
8	100	5	5.2	Curb				
9	100	5	6.2	Pinth	0.7%	2.1		
10	100	5	2.47					
11	30	5	5.8	Endwall Slope - Horizontal				
12	6	5	6.8	Horizontal				
13	12	4	6.9	Vertical	3.0	2.4		
14	46	4	7.9	Vertical	3.6	2.10		
15	24	6	5.0	Top thin inside girders				
16	36	4	7.3	Diaphragm - Vertical				
17	116	4	24.8	Sub-Bent				
18	118	4	22.6	Top	21.5	0.8	0.4	21.8
19	57	4	24.1	Bottom				
20	57	4	18.9					
21	32	6	10.0	CornerRadius				
22	136	4	35.7	Longitudinal				
23	140	5	5.5	Curb into Sub	1.1	1.3		
24	120	5	5.2	Curb				
25	140	5	6.2	Pinth	0.7%	2.1		
26	24	6	22.10					
27	120	5	5.2	Sub-Anchor curb				
28	120	5	3.6	Endwall Slope - Horizontal	3.0	2.4		
29	16	4	6.9	Vertical	3.6	2.10		
30	40	4	7.9	Vertical				
31	48	6	4.0	Thin inside girders				
32	36	4	7.3	Diaphragm - Vertical				



ITEM	UNIT	SPAN 1	SPAN 2
Concrete, Class A-4	Cu. Yds.	74.9	101.3
Reinforcement	Lbs.	15609	15340
Prestressed Girder - Type III - 48" dia	Each	6	
Prestressed Girder - Type III - 60" dia	Each		8



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

ESTIMATE OF QUANTITIES (ONE BRIDGE)

ITEM UNIT SPAN 1 SPAN 2

Concrete, Class A-4 Cu. Yds. 74.9 101.3

Reinforcement Lbs. 15609 15340

Prestressed Girder - Type III - 48" dia Each 6

Prestressed Girder - Type III - 60" dia Each 8

SECTION F-F

SECTION G-G

SECTION H-H

SECTION J-J

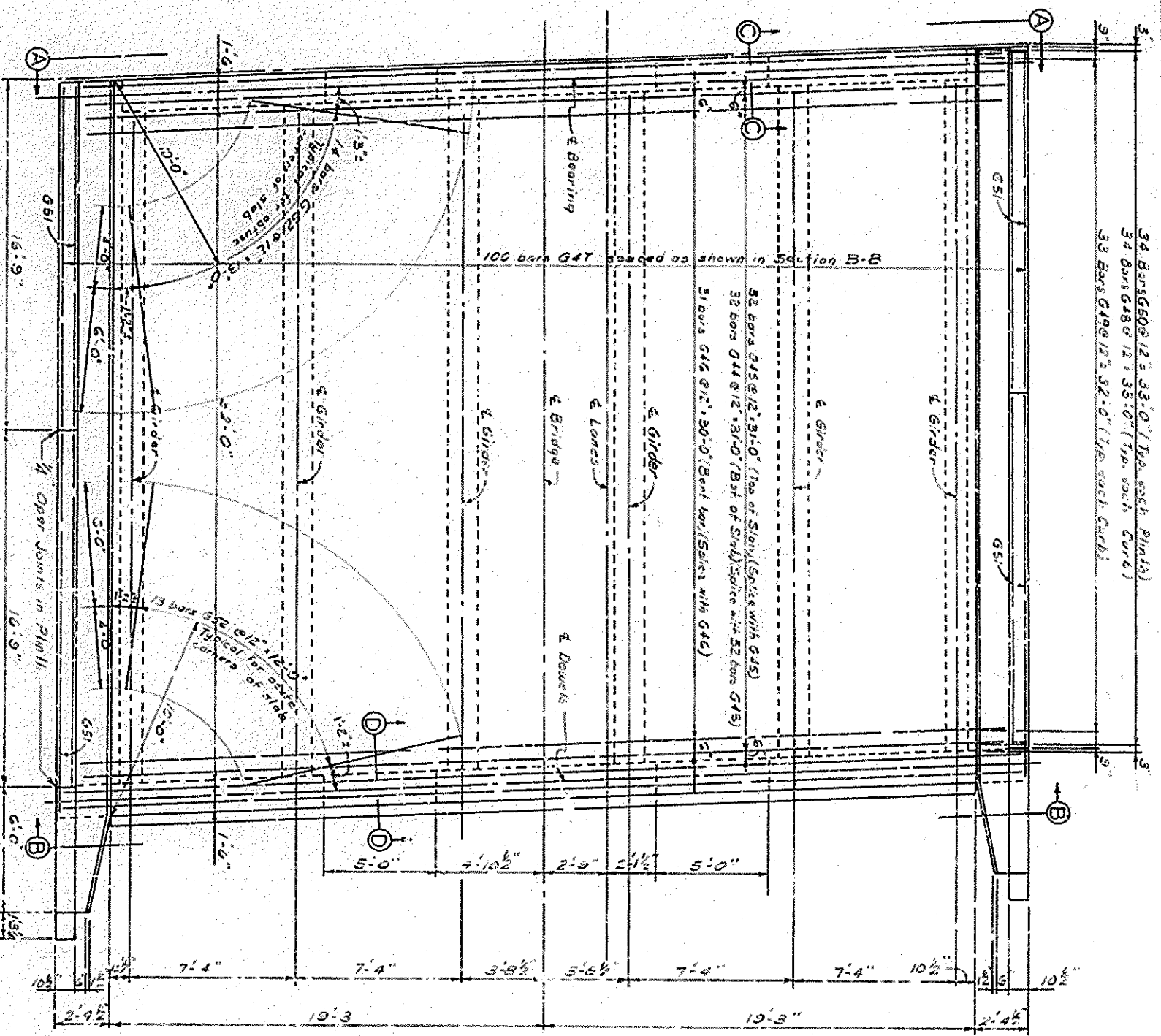
EXPANSION SHOE ASSEMBLY

SHOE DETAILS FOR PRESTRESSED GIRDERS (SPANS 1 & 2)

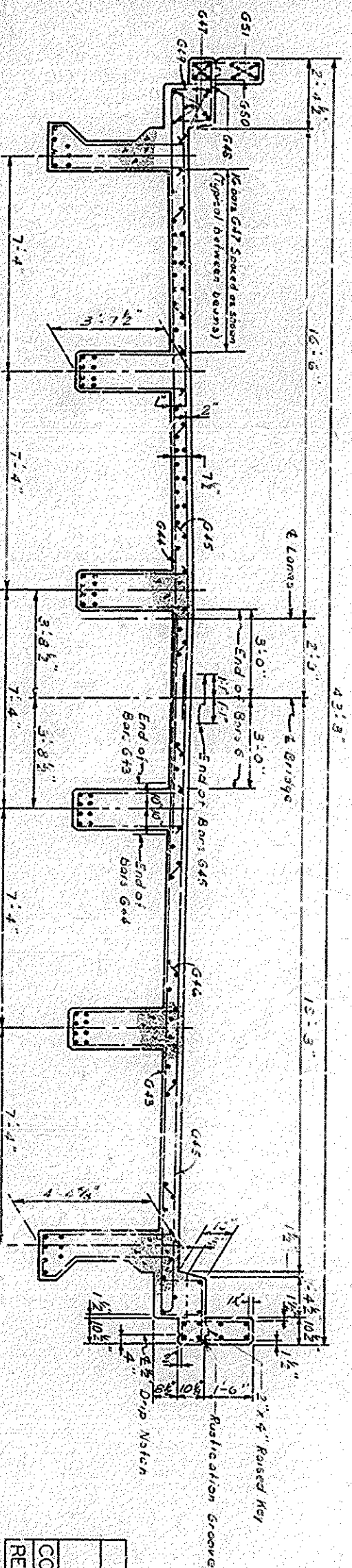
FIXED SHOE ASSEMBLY

COMMONWEALTH OF KENTUCKY
 DEPARTMENT OF HIGHWAYS
 FRANKFORT
 COUNTY OF
 ROWAN
 LOUISVILLE - LEXINGTON - CATLETTSBURG
 STATION 49+00 TO 50+00
 PROJECT NO. 16-003
 DRAWING NO. 16-003
 SHEET 14

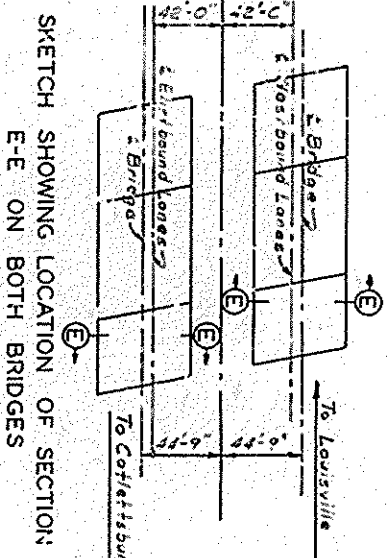
DESIGNED BY	J. R. RAY	CHECKED BY	J. T. FOGLE	DATE	2-8-67	REVISED		DATE	
WITNESSED BY		CHECKED BY		DATE		REVISED		DATE	
TRACED BY		CHECKED BY	CONG. B. B. B.	DATE	2-15-67	REVISED		DATE	



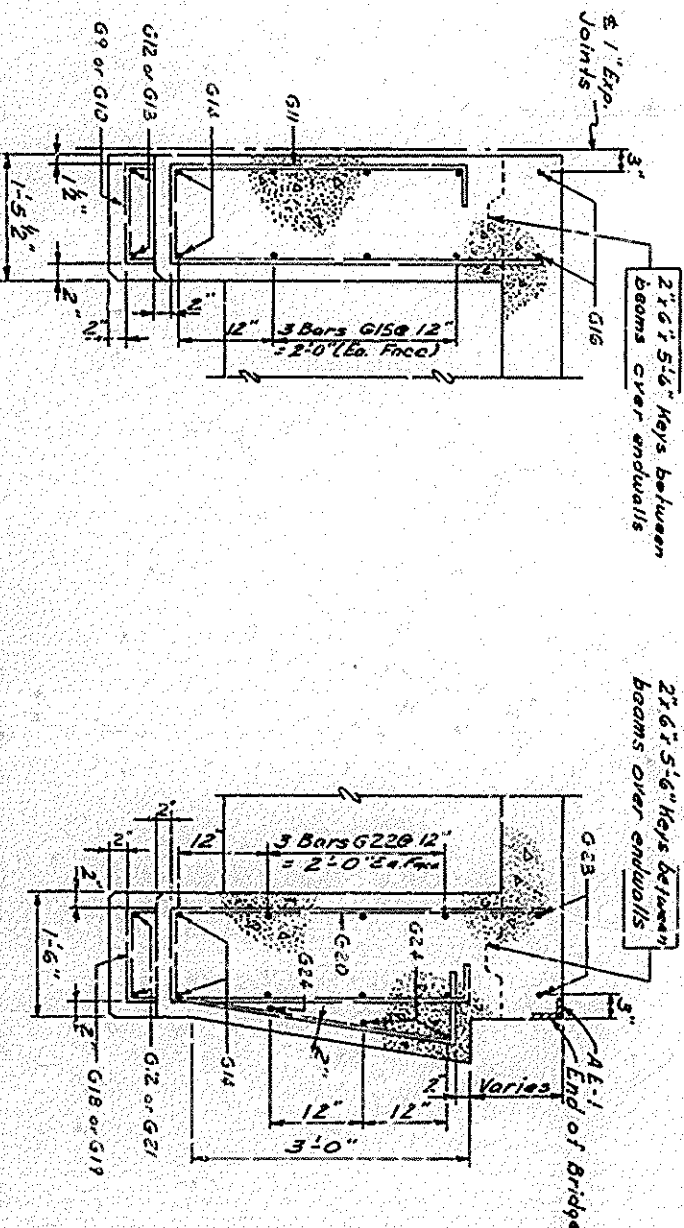
PLAN-EAST BOUND BRIDGE



SECTION E-E



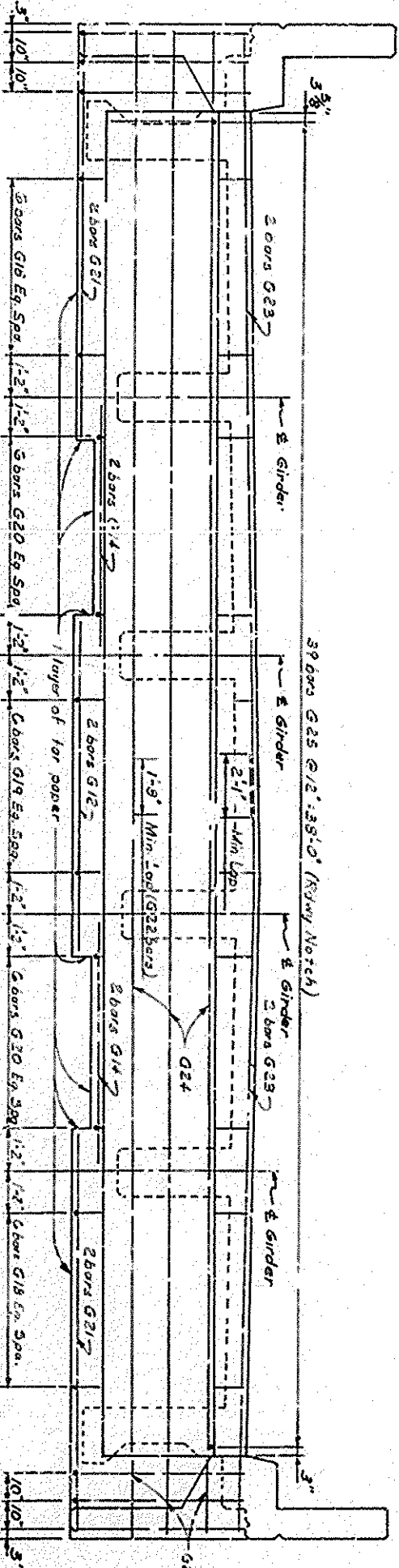
SKETCH SHOWING LOCATION OF SECTION E-E ON BOTH BRIDGES



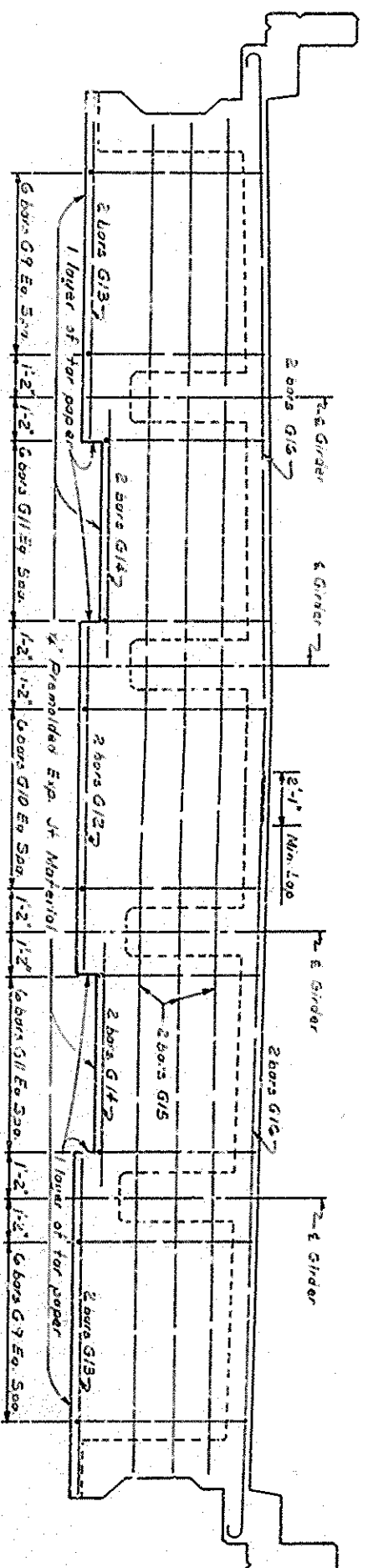
SECTION C-C

ESTIMATE OF QUANTITIES			
ITEM	WESTBOUND	EASTBOUND	
CONCRETE CLASS A-A	94.3 C.Y.	94.3 C.Y.	
REINFORCEMENT	18192 LBS.	18192 LBS.	

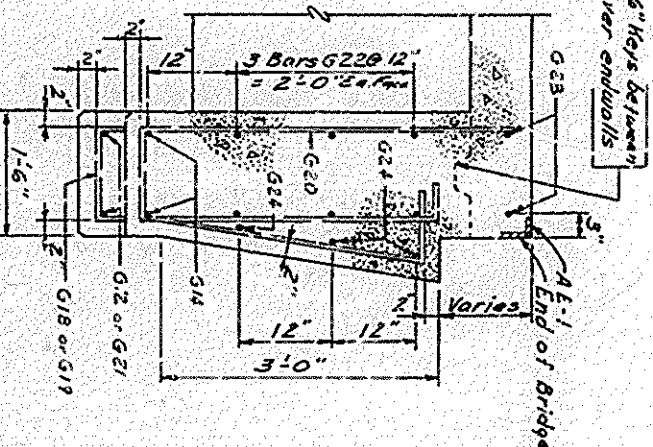
SUPERSTRUCTURE SPAN 3



END ELEVATION B-B



END ELEVATION A-A



SECTION D-D

164 OVER KY 32

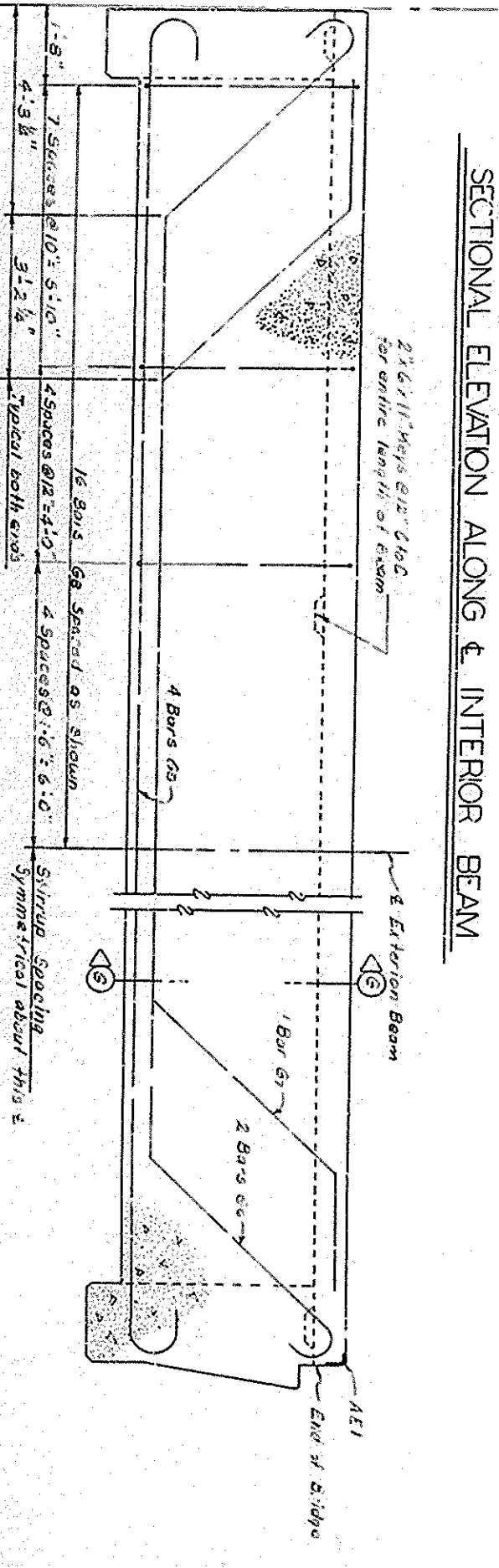
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
COUNTY OF FRANKFORT

ROWAN
LOUISVILLE-LEXINGTON-CALLETTSBURG

STATION 283+48.58 164
BRIDGE NO. 16803
PROJECT NO. 16803

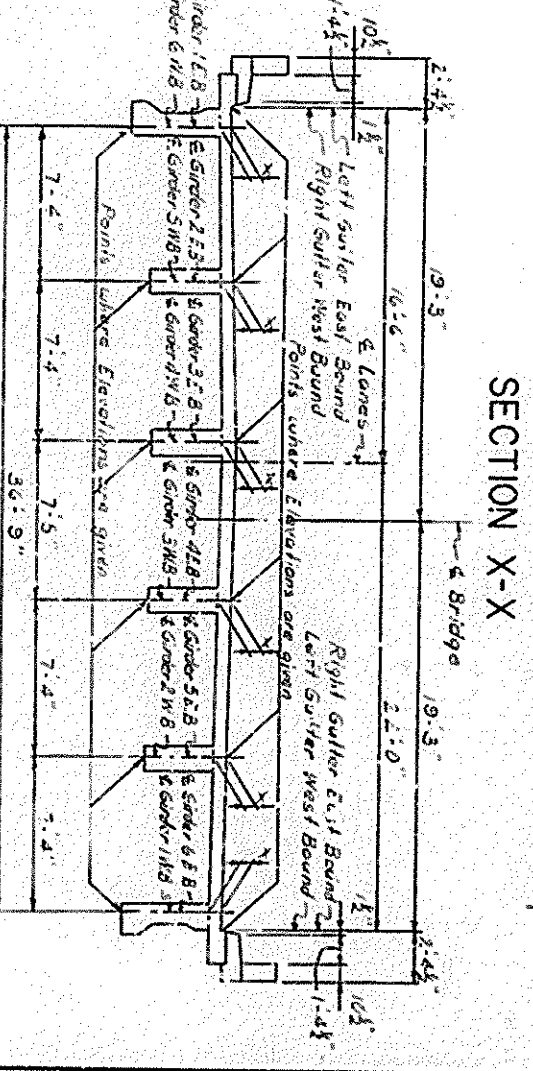
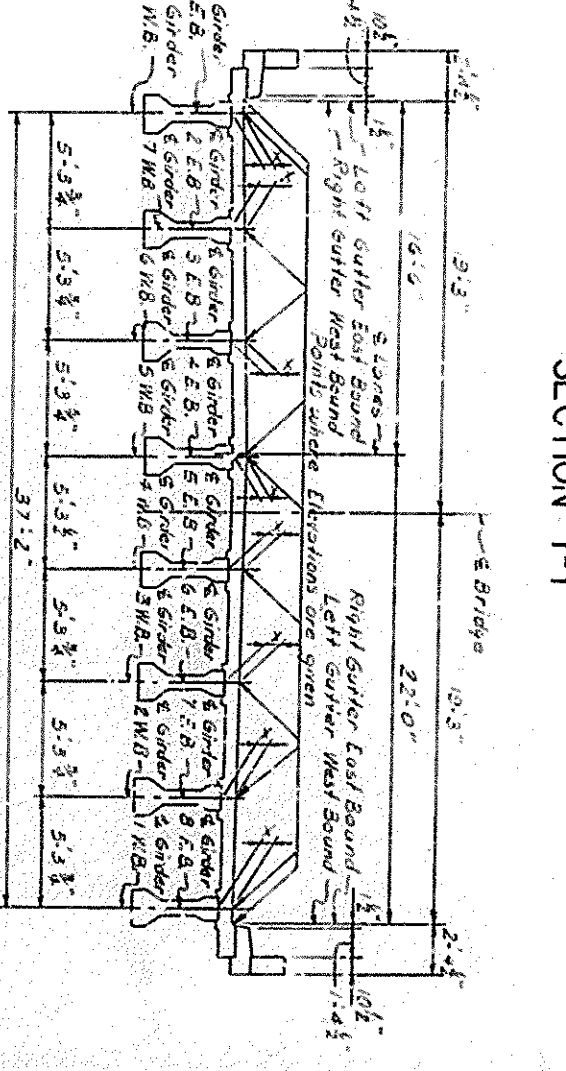
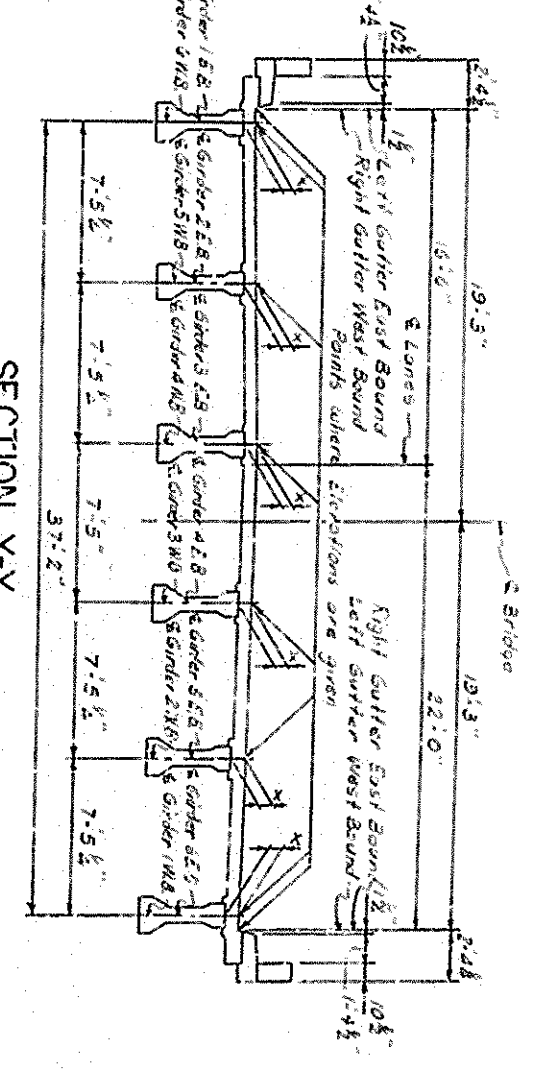
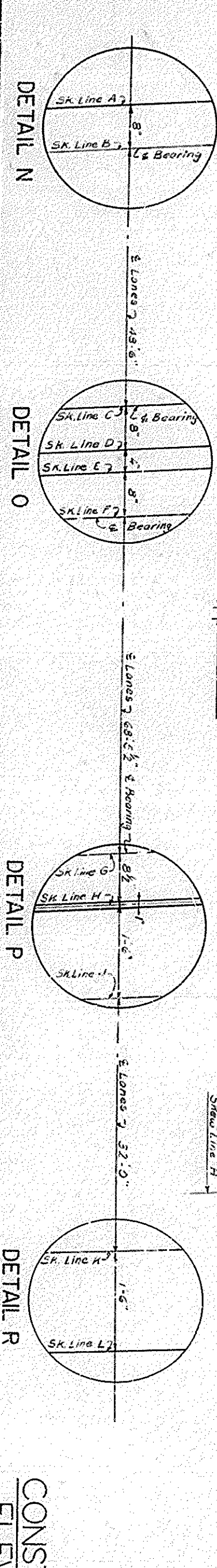
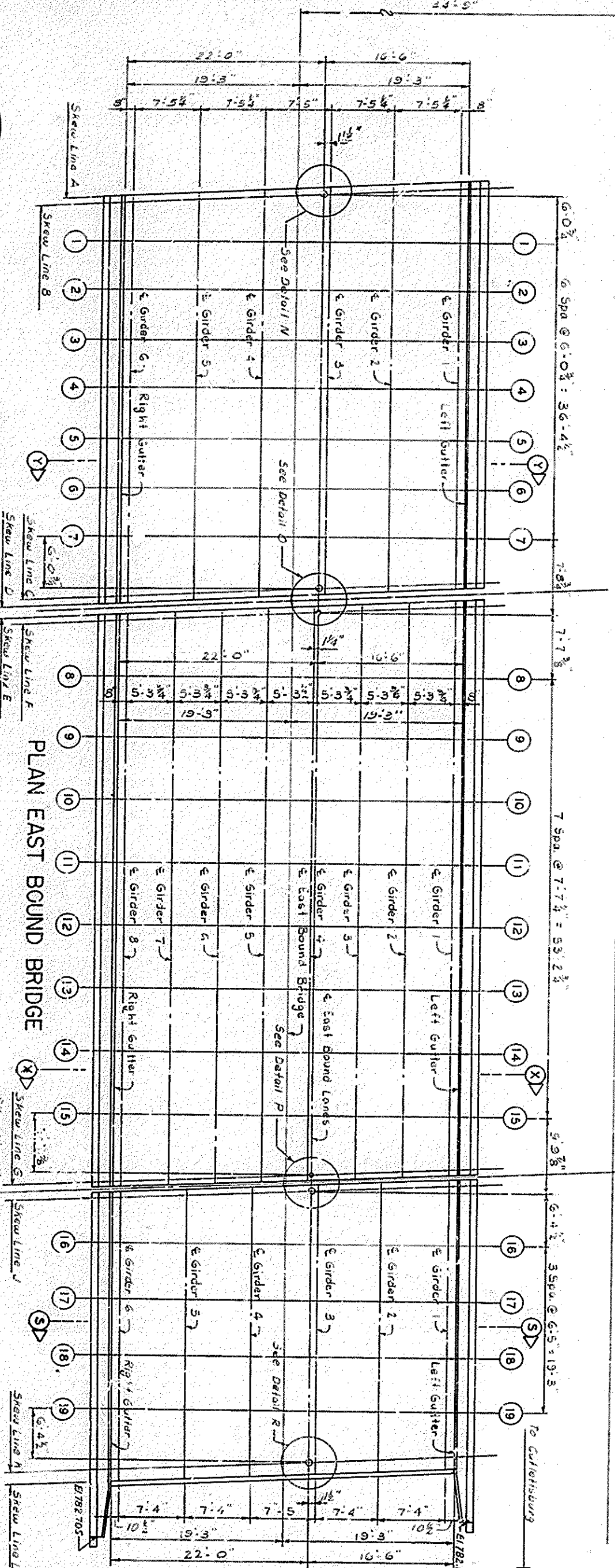
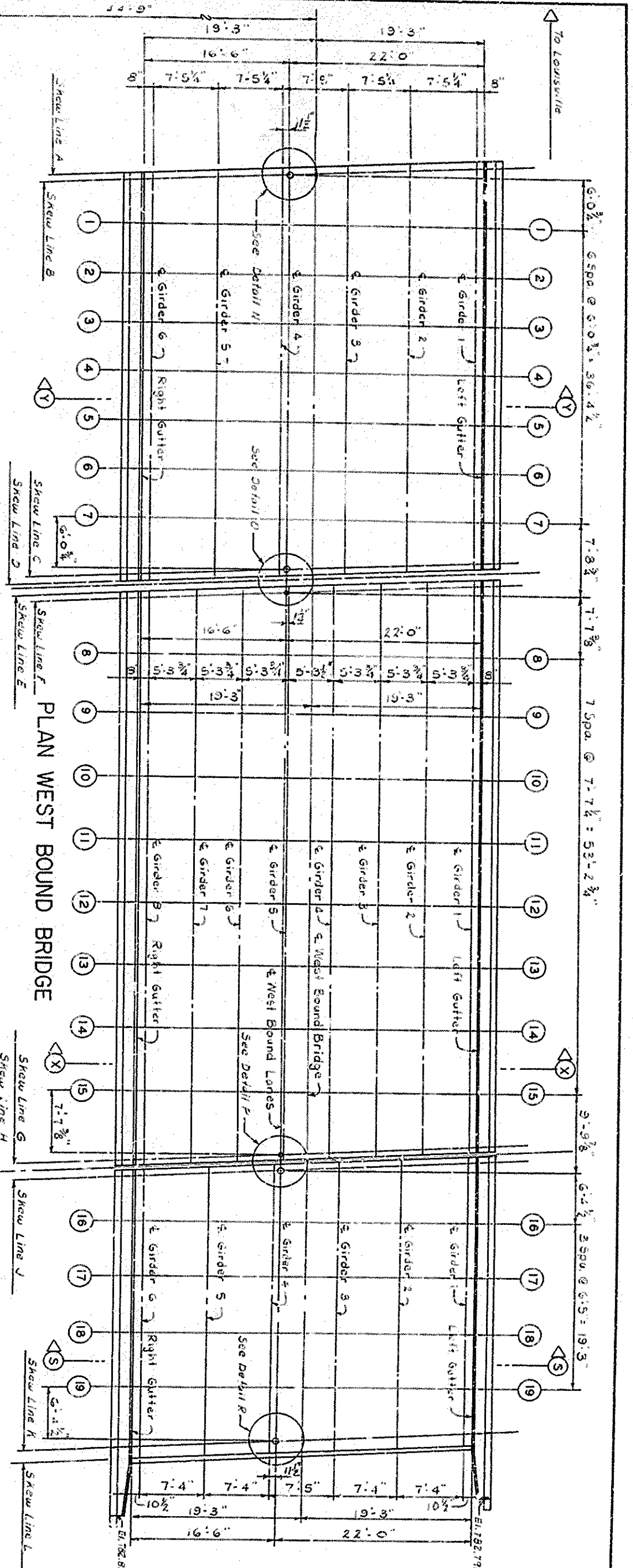
SHEET 16

DATE	10/25/67	BY	J. R. RAY	DATE	10/25/67	BY	J. R. RAY
DATE	10/25/67	BY	J. R. RAY	DATE	10/25/67	BY	J. R. RAY

[illegible]

1-64 OVER KY 32	SHEET 17
COMMONWEALTH OF KENTUCKY	
DEPARTMENT OF HIGHWAYS	
FRANKFORT:	
COUNTY OF	
ROWAN	
LOUISVILLE-LEXINGTON-CATLETTSBURG	
STATION 233+48.58 ON I-64 ROAD	PROJECT NO.
RIDGE 43+97.65 ON KY 32	PAVING NO.
NUMBER	16803
	POST

DESIGNED BY: <u>John J. Smith</u>	CHECKED BY: <u>Robert J. Smith</u>	DATE: <u>10/1/70</u>
DRAWN BY: <u>S. H. Smith</u>	CHECKED BY: <u>Robert J. Smith</u>	DATE: <u>10/1/70</u>
TRACED BY: <u>S. H. Smith</u>	CHECKED BY: <u>Robert J. Smith</u>	DATE: <u>10/1/70</u>



- CONSTRUCTION ELEVATIONS
1. Take elevations on top of guide at points indicated after diagrams and and lateral bearing are in place and before forms for concrete slab have been put in place.
 2. For pile dimension 'X' as follows: Construction Elevation minus top of guide elevation equals dimension 'X'. Construction Elevation include center due to weight of concrete slab, piling, curb, handrail and future surfacing.
 3. For setting templates: measure dimension 'X' above top of guide for top of template. Do not set template by elevations.
 4. Construct handrail, piling to curb grade. Do not add center to handrail piling.

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
ROWAN
LOUISVILLE-LEXINGTON-CATLETTSBURG
ROAD
PROJECT NO. 16803
SHEET 18

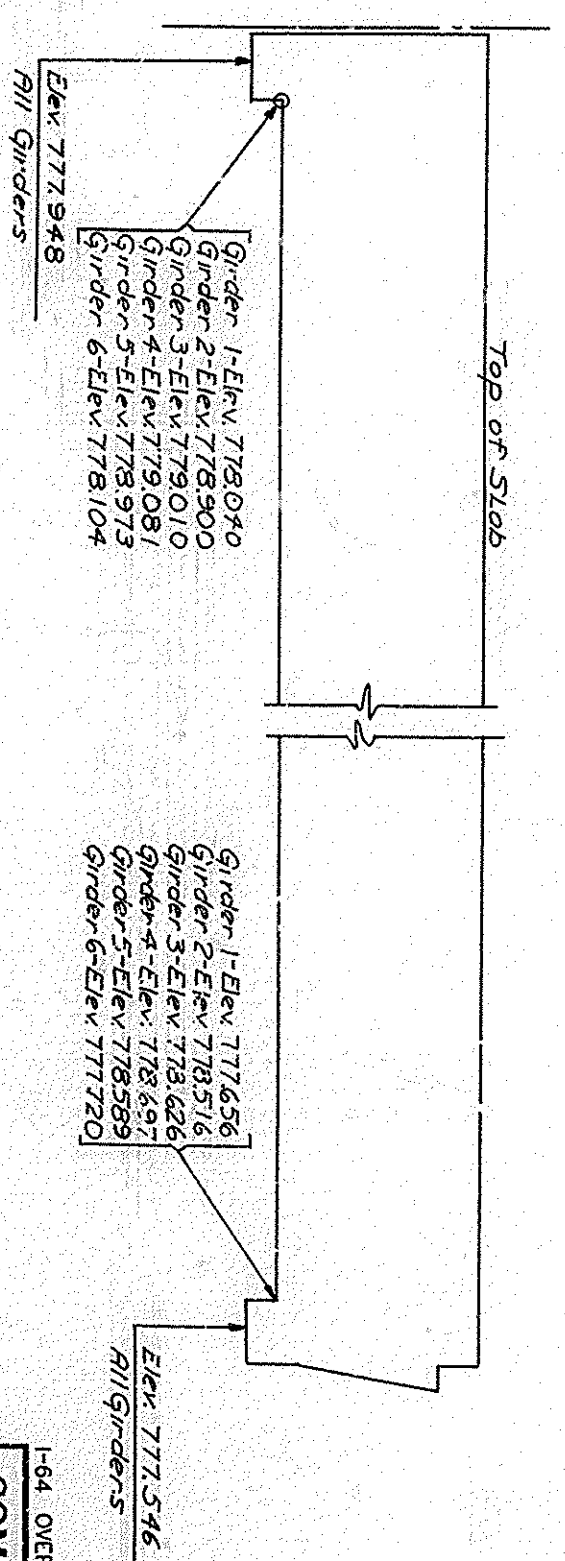
DATE	REV.	BY	CHK.	APP.
10/1/70	1	JVS		

SPAN NO. 1											
LOCATION	LEFT GUTTER	GRIDER 1		GRIDER 2		GRIDER 3		SURVEY ELEV.	GRIDER 4		RIGHT GUTTER
		CONSTR. ELEV.	TOP OF DIMEN. X	CONSTR. ELEV.	TOP OF DIMEN. X	CONSTR. ELEV.	TOP OF DIMEN. X		CONSTR. ELEV.	TOP OF DIMEN. X	
SKEN LN A TOP	783.660	783.670	0.582	783.682	783.100	0.582	783.092	783.500	0.593	783.187	783.550
SKEN LN B TOP	783.852	783.862	0.572	783.874	783.410	0.564	783.406	783.492	0.593	784.135	783.533
GRID LN 01 TOP	783.774	783.784	0.574	783.796	783.351	0.569	783.346	783.425	0.593	784.090	783.533
GRID LN 02 TOP	783.705	783.715	0.568	783.727	783.272	0.562	783.267	783.346	0.573	783.917	783.350
GRID LN 03 TOP	783.635	783.645	0.566	783.657	783.138	0.564	783.133	783.298	0.584	783.887	783.350
GRID LN 04 TOP	783.563	783.573	0.572	783.585	783.113	0.577	783.108	783.213	0.593	783.884	783.350
GRID LN 05 TOP	783.489	783.499	0.590	783.511	783.080	0.586	783.075	783.154	0.602	783.810	783.193
GRID LN 06 TOP	783.413	783.423	0.609	783.435	783.048	0.602	783.043	783.113	0.619	783.732	783.113
GRID LN 07 TOP	783.335	783.345	0.632	783.357	782.930	0.624	782.925	783.015	0.639	783.627	783.000
SKEN LN C TOP	783.270	783.280	0.654	783.292	782.711	0.647	782.706	782.822	0.681	783.517	782.880
SKEN LN D TOP	783.263	783.273	0.672	783.285	782.700	0.664	782.699	782.810	0.685	783.569	782.830

SPAN NO. 2											
LOCATION	LEFT GUTTER	GRIDER 1		GRIDER 2		GRIDER 3		SURVEY ELEV.	GRIDER 4		RIGHT GUTTER
		CONSTR. ELEV.	TOP OF DIMEN. X	CONSTR. ELEV.	TOP OF DIMEN. X	CONSTR. ELEV.	TOP OF DIMEN. X		CONSTR. ELEV.	TOP OF DIMEN. X	
SKEN LN E TOP	783.236	783.246	0.690	783.258	782.578	0.683	782.573	782.718	0.692	783.365	782.858
SKEN LN F TOP	783.230	783.240	0.647	783.250	782.610	0.640	782.605	782.750	0.631	783.357	782.851
GRID LN 08 TOP	783.166	783.176	0.593	783.188	782.523	0.586	782.521	782.670	0.654	783.346	782.725
GRID LN 09 TOP	783.098	783.108	0.592	783.120	782.490	0.584	782.485	782.630	0.619	783.325	782.710
GRID LN 10 TOP	783.005	783.015	0.572	783.027	782.458	0.564	782.453	782.600	0.619	783.325	782.710
GRID LN 11 TOP	782.918	782.928	0.564	782.930	782.428	0.556	782.423	782.570	0.597	783.325	782.710
GRID LN 12 TOP	782.836	782.846	0.559	782.848	782.398	0.551	782.393	782.540	0.597	783.325	782.710
GRID LN 13 TOP	782.750	782.760	0.577	782.762	782.368	0.569	782.363	782.510	0.600	783.325	782.710
GRID LN 14 TOP	782.668	782.678	0.579	782.680	782.338	0.571	782.333	782.480	0.609	783.325	782.710
GRID LN 15 TOP	782.582	782.592	0.573	782.594	782.308	0.565	782.303	782.450	0.609	783.325	782.710
SKEN LN G TOP	782.498	782.508	0.633	782.510	782.278	0.625	782.273	782.420	0.673	783.325	782.710
SKEN LN H TOP	782.490	782.500	0.645	782.502	782.248	0.637	782.243	782.390	0.673	783.325	782.710

SPAN NO. 3											
LOCATION	LEFT GUTTER	GRIDER 1		GRIDER 2		GRIDER 3		SURVEY ELEV.	GRIDER 4		RIGHT GUTTER
		CONSTR. ELEV.	TOP OF DIMEN. X	CONSTR. ELEV.	TOP OF DIMEN. X	CONSTR. ELEV.	TOP OF DIMEN. X		CONSTR. ELEV.	TOP OF DIMEN. X	
SKEN LN J TOP	782.402	782.412	0.635	782.424	782.106	0.627	782.101	782.246	0.635	782.402	782.412
SKEN LN K TOP	782.324	782.334	0.610	782.346	782.081	0.602	782.076	782.221	0.610	782.324	782.334
GRID LN 16 TOP	782.252	782.262	0.586	782.274	782.051	0.578	782.046	782.191	0.586	782.252	782.262
GRID LN 17 TOP	782.173	782.183	0.569	782.195	782.021	0.561	782.016	782.161	0.569	782.173	782.183
GRID LN 18 TOP	782.090	782.100	0.547	782.112	782.001	0.539	781.996	782.141	0.547	782.090	782.100
GRID LN 19 TOP	782.008	782.018	0.525	782.030	782.001	0.517	781.996	782.131	0.525	782.008	782.018
SKEN LN L TOP	782.000	782.010	0.623	782.022	782.001	0.615	781.996	782.121	0.623	782.000	782.010

NOTE: FOR SPAN NO. 3, ELEVATIONS SHOWN CONTAIN CONSTRUCTION CANCELS AND MUST BE MAINTAINED WITH DRAINAGE IN PLACE.



CONSTRUCTION ELEVATIONS WESTBOUND BRIDGE

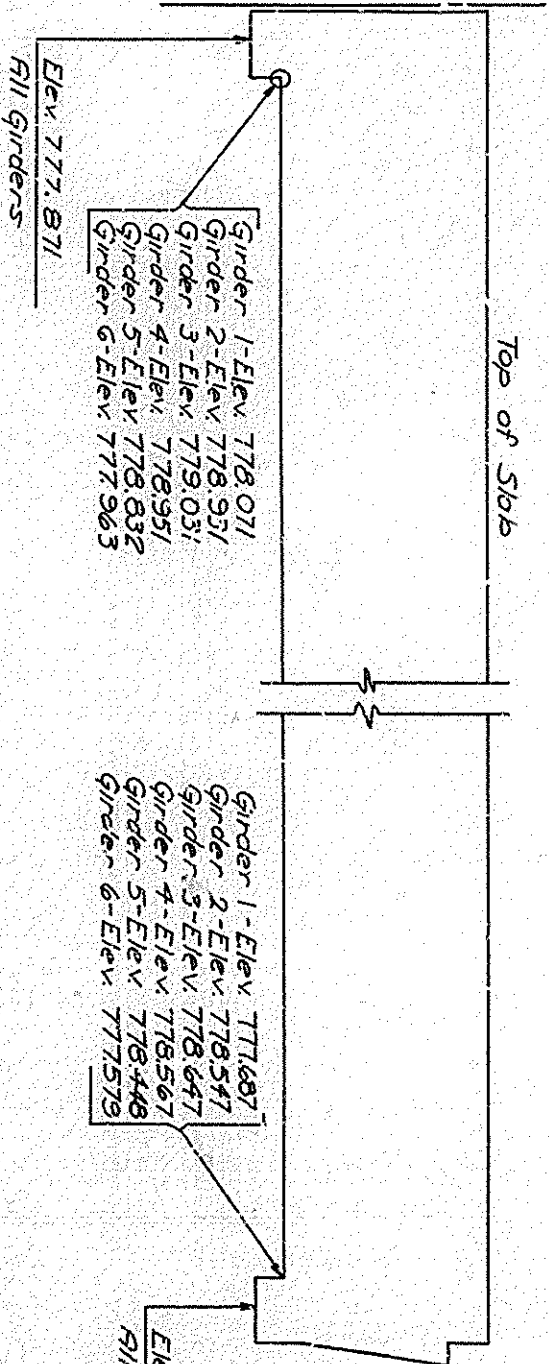
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
LOUISVILLE-LEXINGTON-CATLETTSBURG
ROWAN
ROAD
PROJECT NO.
STATION 49+87.89 TO 50+32
BRIDGE
NUMBER
16803

SPAN NO. 1												
LOCATION	LEFT CUTTER	GIRDER 1		GIRDER 2		GIRDER 3		SURVEY	GIRDER 4		GIRDER 5	
		TOP OF GIRDER ELEV.	CONSTR. DIMEN. X ELEV.	TOP OF GIRDER ELEV.	CONSTR. DIMEN. X ELEV.	TOP OF GIRDER ELEV.	CONSTR. DIMEN. X ELEV.		TOP OF GIRDER ELEV.	CONSTR. DIMEN. X ELEV.	TOP OF GIRDER ELEV.	CONSTR. DIMEN. X ELEV.
SKEN LN A 100	783.891	783.901	783.877	783.877	783.877	783.877	783.877	783.877	783.877	783.877	783.877	783.877
SKEN LN B 100	783.883	783.893	783.859	783.859	783.859	783.859	783.859	783.859	783.859	783.859	783.859	783.859
GRID LN 01 100	783.808	783.818	783.815	783.815	783.815	783.815	783.815	783.815	783.815	783.815	783.815	783.815
GRID LN 02 100	783.740	783.750	783.750	783.750	783.750	783.750	783.750	783.750	783.750	783.750	783.750	783.750
GRID LN 03 100	783.670	783.680	783.680	783.680	783.680	783.680	783.680	783.680	783.680	783.680	783.680	783.680
GRID LN 04 100	783.598	783.608	783.608	783.608	783.608	783.608	783.608	783.608	783.608	783.608	783.608	783.608
GRID LN 05 100	783.524	783.534	783.534	783.534	783.534	783.534	783.534	783.534	783.534	783.534	783.534	783.534
GRID LN 06 100	783.448	783.458	783.458	783.458	783.458	783.458	783.458	783.458	783.458	783.458	783.458	783.458
GRID LN 07 100	783.370	783.380	783.380	783.380	783.380	783.380	783.380	783.380	783.380	783.380	783.380	783.380
SKEN LN C 100	783.301	783.311	783.311	783.311	783.311	783.311	783.311	783.311	783.311	783.311	783.311	783.311
SKEN LN D 100	783.253	783.263	783.263	783.263	783.263	783.263	783.263	783.263	783.263	783.263	783.263	783.263

SPAN NO. 2												
LOCATION	LEFT CUTTER	GIRDER 1		GIRDER 2		GIRDER 3		SURVEY	GIRDER 4		GIRDER 5	
		TOP OF GIRDER ELEV.	CONSTR. DIMEN. X ELEV.	TOP OF GIRDER ELEV.	CONSTR. DIMEN. X ELEV.	TOP OF GIRDER ELEV.	CONSTR. DIMEN. X ELEV.		TOP OF GIRDER ELEV.	CONSTR. DIMEN. X ELEV.	TOP OF GIRDER ELEV.	CONSTR. DIMEN. X ELEV.
SKEN LN E 100	783.289	783.299	783.299	783.299	783.299	783.299	783.299	783.299	783.299	783.299	783.299	783.299
SKEN LN F 100	783.281	783.291	783.291	783.291	783.291	783.291	783.291	783.291	783.291	783.291	783.291	783.291
GRID LN 08 100	783.200	783.210	783.210	783.210	783.210	783.210	783.210	783.210	783.210	783.210	783.210	783.210
GRID LN 09 100	783.122	783.132	783.132	783.132	783.132	783.132	783.132	783.132	783.132	783.132	783.132	783.132
GRID LN 10 100	783.040	783.050	783.050	783.050	783.050	783.050	783.050	783.050	783.050	783.050	783.050	783.050
GRID LN 11 100	782.958	782.968	782.968	782.968	782.968	782.968	782.968	782.968	782.968	782.968	782.968	782.968
GRID LN 12 100	782.861	782.871	782.871	782.871	782.871	782.871	782.871	782.871	782.871	782.871	782.871	782.871
GRID LN 13 100	782.775	782.785	782.785	782.785	782.785	782.785	782.785	782.785	782.785	782.785	782.785	782.785
GRID LN 14 100	782.689	782.699	782.699	782.699	782.699	782.699	782.699	782.699	782.699	782.699	782.699	782.699
GRID LN 15 100	782.598	782.608	782.608	782.608	782.608	782.608	782.608	782.608	782.608	782.608	782.608	782.608
SKEN LN G 100	782.460	782.470	782.470	782.470	782.470	782.470	782.470	782.470	782.470	782.470	782.470	782.470
SKEN LN H 100	782.451	782.461	782.461	782.461	782.461	782.461	782.461	782.461	782.461	782.461	782.461	782.461

SPAN NO. 3												
LOCATION	LEFT CUTTER	GIRDER 1		GIRDER 2		GIRDER 3		SURVEY	GIRDER 4		GIRDER 5	
		TOP OF GIRDER ELEV.	CONSTR. DIMEN. X ELEV.	TOP OF GIRDER ELEV.	CONSTR. DIMEN. X ELEV.	TOP OF GIRDER ELEV.	CONSTR. DIMEN. X ELEV.		TOP OF GIRDER ELEV.	CONSTR. DIMEN. X ELEV.	TOP OF GIRDER ELEV.	CONSTR. DIMEN. X ELEV.
SKEN LN J 100	782.433	782.443	782.443	782.443	782.443	782.443	782.443	782.443	782.443	782.443	782.443	782.443
SKEN LN K 100	782.358	782.368	782.368	782.368	782.368	782.368	782.368	782.368	782.368	782.368	782.368	782.368
GRID LN 16 100	782.275	782.285	782.285	782.285	782.285	782.285	782.285	782.285	782.285	782.285	782.285	782.285
GRID LN 17 100	782.190	782.200	782.200	782.200	782.200	782.200	782.200	782.200	782.200	782.200	782.200	782.200
GRID LN 18 100	782.105	782.115	782.115	782.115	782.115	782.115	782.115	782.115	782.115	782.115	782.115	782.115
SKEN LN L 100	782.031	782.041	782.041	782.041	782.041	782.041	782.041	782.041	782.041	782.041	782.041	782.041

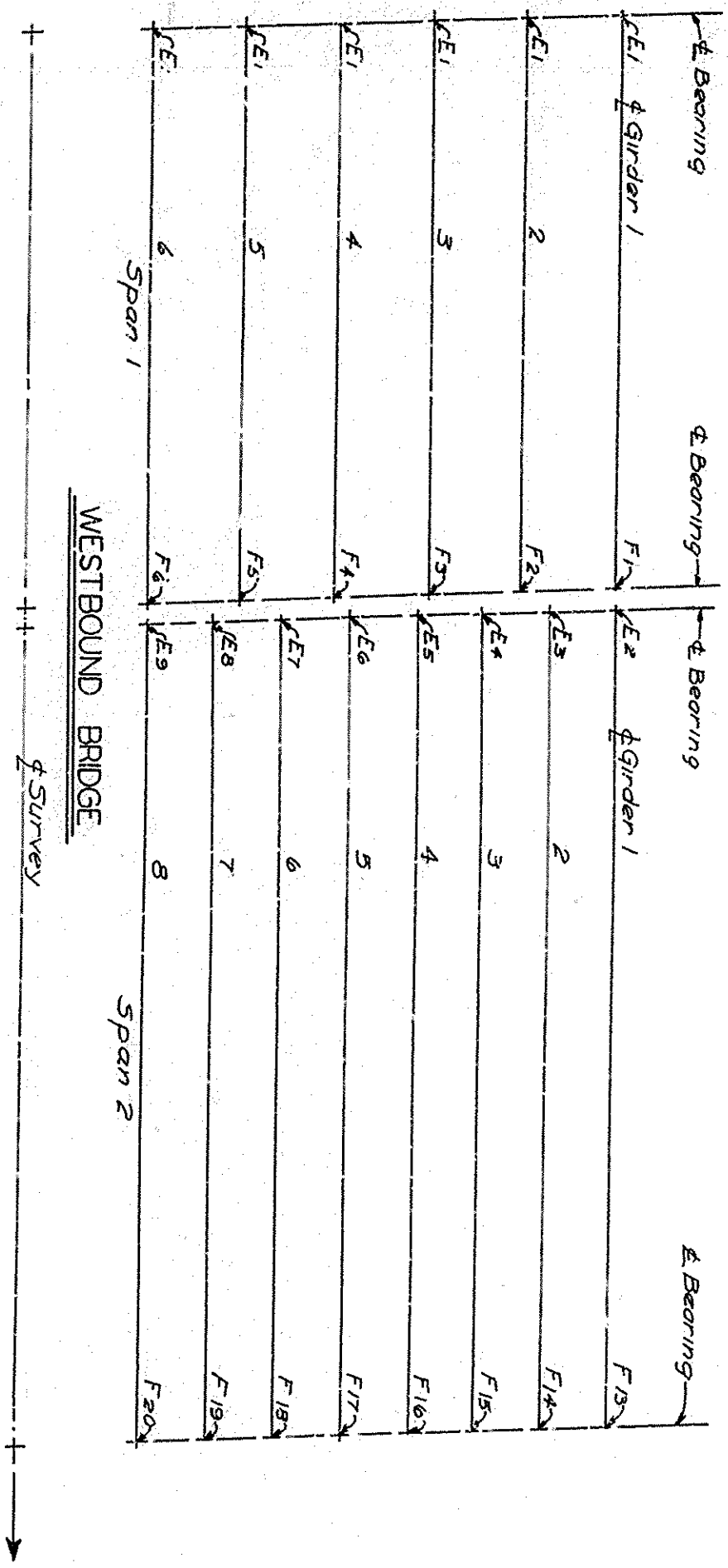
NOTE FOR SPAN NO. 3 Elevations shown on this Construction Elevation must be maintained with this sheet in place.



CONSTRUCTION ELEVATIONS EASTBOUND BRIDGE

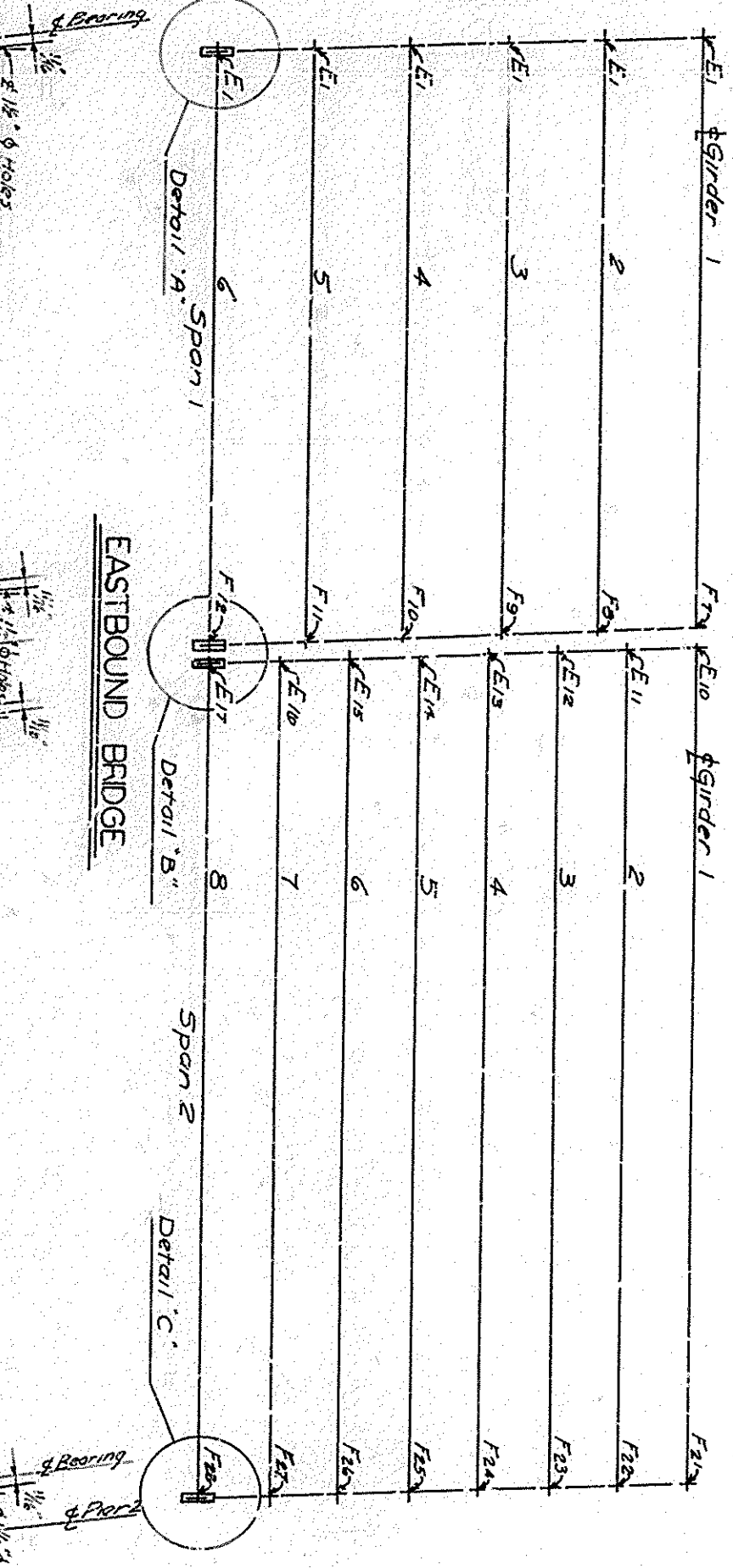
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
LOUISVILLE-LEXINGTON-CATLETTSBURG
ROAD
STATION 40+48.58 I-64
PROJECT NO.
BRIDGE
NUMBER
16303

DESIGNED BY	CHECKED BY	DATE	REVISION	DATE
DETAILS BY	CHECKED BY	DATE	REVISION	DATE
TRACED BY	CHECKED BY	DATE	REVISION	DATE



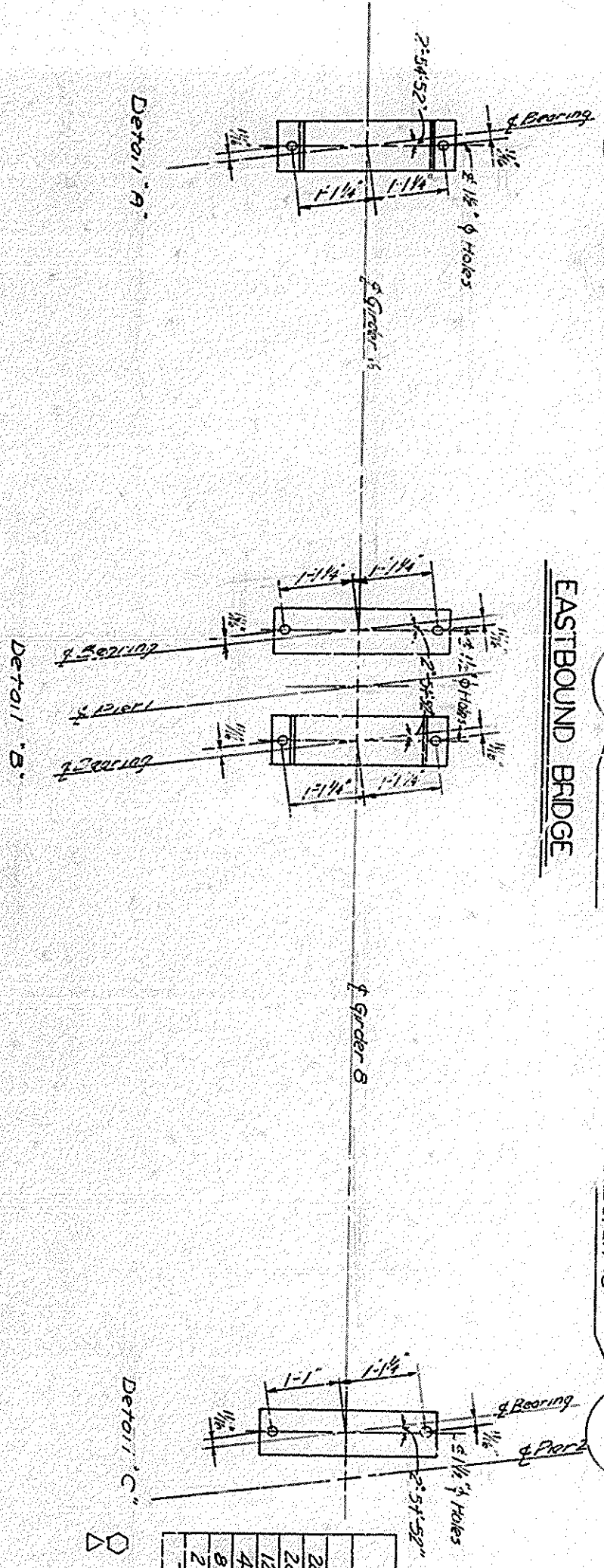
EXPANSION SHOE ASSEMBLIES			
AT END BENT 1 EAST & WESTBOUND BRIDGES			
ASSEMBLY MARK	NUMBER ASSEMBLIES REQUIRED	DIMENSION "X" FOR MASONRY PLATE	WEIGHT OF ONE ASSEMBLY COMPLETE IN PLACE
E 1	12	1"	249 lbs

FIXED SHOE ASSEMBLIES			
AT PIER 1 EAST & WESTBOUND BRIDGES			
ASSEMBLY MARK	NUMBER ASSEMBLIES REQUIRED	DIMENSION "X" FOR MASONRY PLATE	WEIGHT OF ONE ASSEMBLY COMPLETE IN PLACE
F 1	1	2 7/8"	269 lbs
F 2	1	4 7/8"	360 lbs
F 3	1	2 3/4"	259 lbs
F 4	1	3 9/16"	315 lbs
F 5	1	4 3/16"	366 lbs
F 6	1	2 7/8"	269 lbs
F 7	1	2 7/8"	269 lbs
F 8	1	4 7/8"	360 lbs
F 9	1	3 9/8"	319 lbs
F 10	1	2 3/4"	254 lbs
F 11	1	4 9/16"	366 lbs
F 12	1	2 7/8"	269 lbs



EXPANSION SHOE ASSEMBLIES			
AT PIER 1 EAST & WESTBOUND BRIDGES			
ASSEMBLY MARK	NUMBER ASSEMBLIES REQUIRED	DIMENSION "X" FOR MASONRY PLATE	WEIGHT OF ONE ASSEMBLY COMPLETE IN PLACE
E 2	1	1"	249 lbs
E 3	1	1 3/8"	323 lbs
E 4	1	2 3/4"	394 lbs
E 5	1	1 3/4"	252 lbs
E 6	1	1 3/4"	305 lbs
E 7	1	1"	249 lbs
E 8	1	2 1/2"	328 lbs
E 9	1	1"	249 lbs
E 10	1	1"	249 lbs
E 11	1	1 3/8"	323 lbs
E 12	1	1 1/8"	263 lbs
E 13	1	1 3/4"	309 lbs
E 14	1	1"	249 lbs
E 15	1	3 1/4"	407 lbs
E 16	1	2 3/4"	328 lbs
E 17	1	1"	249 lbs

FIXED SHOE ASSEMBLIES			
AT PIER 2 EAST & WESTBOUND BRIDGES			
ASSEMBLY MARK	NUMBER ASSEMBLIES REQUIRED	DIMENSION "X" FOR MASONRY PLATE	WEIGHT OF ONE ASSEMBLY COMPLETE IN PLACE
F 13	1	1 1/8"	152 lbs
F 14	1	2 3/4"	217 lbs
F 15	1	3 1/4"	280 lbs
F 16	1	1 3/4"	156 lbs
F 17	1	1 5/8"	200 lbs
F 18	1	1 1/8"	152 lbs
F 19	1	2 3/4"	221 lbs
F 20	1	1 1/8"	152 lbs
F 21	1	1 1/8"	152 lbs
F 22	1	2 1/4"	215 lbs
F 23	1	1 3/4"	158 lbs
F 24	1	1 3/4"	204 lbs
F 25	1	1 1/8"	152 lbs
F 26	1	3 3/4"	290 lbs
F 27	1	2 3/4"	221 lbs
F 28	1	1 1/4"	152 lbs



STRUCTURAL STEEL (TWO BRIDGES)			
ITEM	QTY	Δ LBS	Δ LBS
28 Expansion Shoe Assemblies Complete in Place	1714	7714	
28 Fixed	6749	6749	
12 Armored Edges	421	3320	
4 "	421	1714	
8 "	422	3744	
2 Expansion Bolts LBS	10092	10092	
TOTAL WEIGHT	29875	30073	

using Expansion Joint Assembly option "B"

ANCHOR BOLT PLAN

1-64 OVER KY 32

SHEET 21

COMMONWEALTH OF KENTUCKY

DEPARTMENT OF HIGHWAYS

COUNTY OF

ROWAN

LOUISVILLE-LEXINGTON-CATLETTSBURG

ROAD

STATION 16+25.14

PROJECT NO.

BRIDGE NUMBER

16803

FRAMING PLAN

SCALE 1/4" = 1'-0"

NOTE: ALL SPANS WITH THE SAME NUMBER
(SPAN ON THE EAST SIDE, WEST SIDE,
AND THE WEST SIDE BRIDGE)
ARE IDENTICAL AND
INTERCHANGEABLE

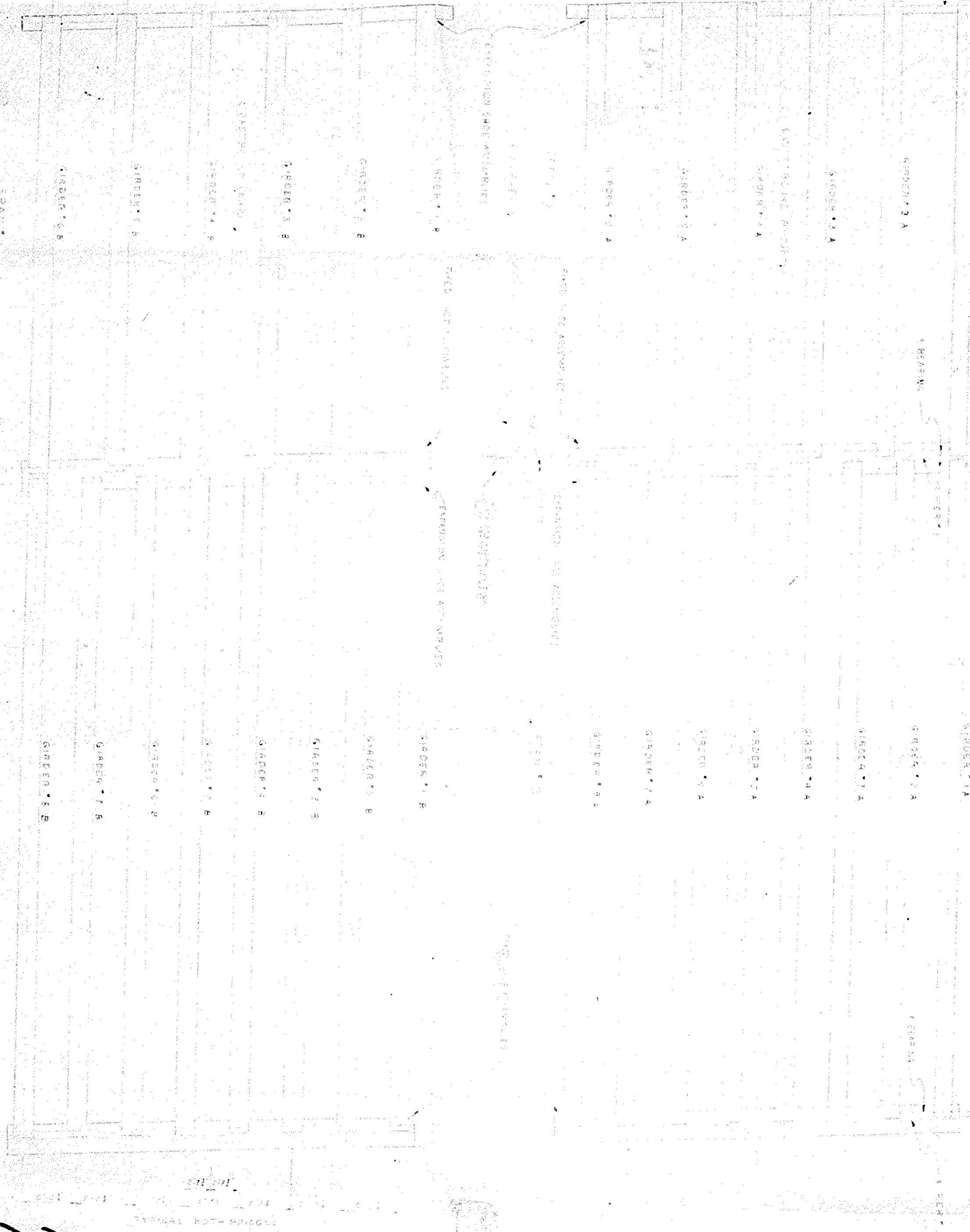
16803
1 OF 5

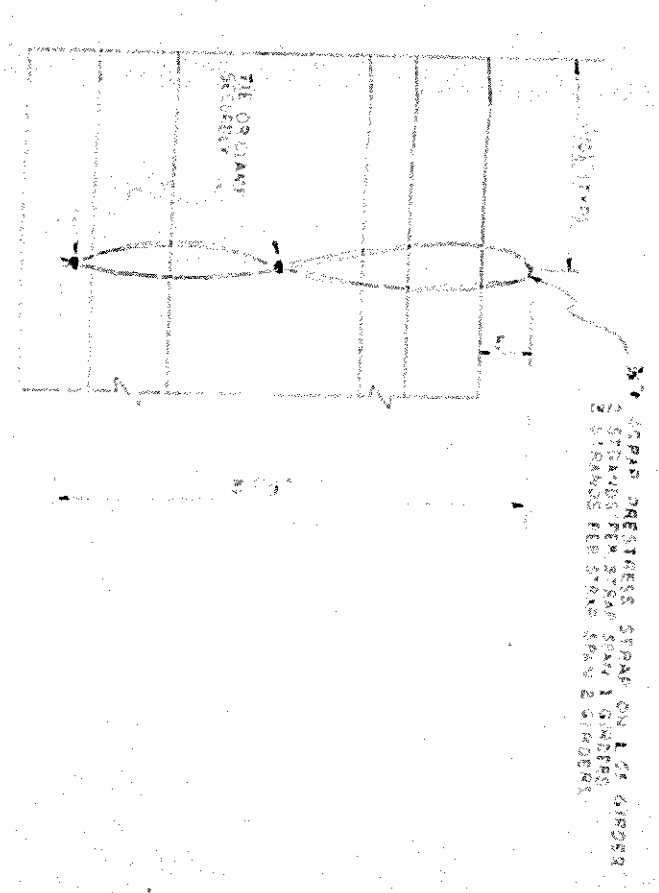
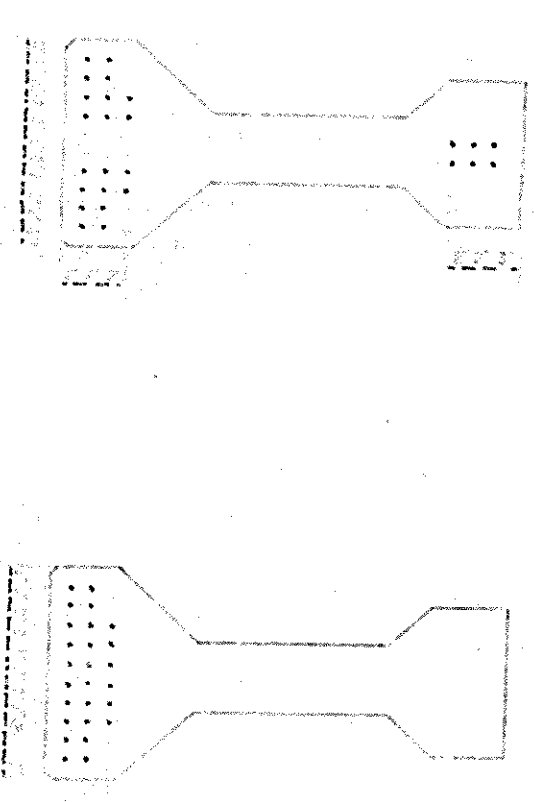
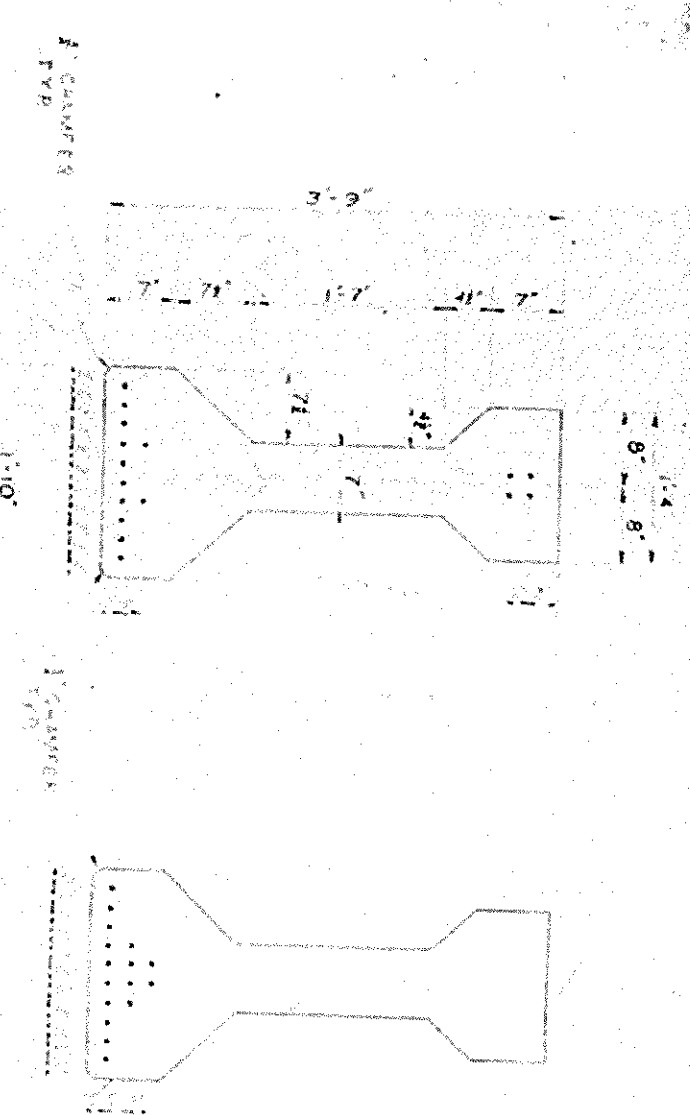
OFFICE COPY

APPROVED FOR
DESIGN ONLY
04/03/1987
Charles H. Gault
BRIDGE ENGINEER

ROWAN COUNTY		SHEET 1 OF 5	
LOUISVILLE - LYNDSTON CATHEDRAL ROAD		STATION 257+48.18 TO 257+61.31	
DRAWING NO. 16803		DATE 04/03/87	
BY 04/03/87		APPROVED BY 04/03/87	
RELIANCE UNIVERSAL INC.		DATE 04/03/87	
P.O. BOX 10		LOUISVILLE, KY 40211	
FRAMING PLAN		SHEET 1 OF 5	
67.4		67.4	

STATION - 257+48.18
DRAWING NO. 16803
LETTING DATE - MAY 12, 1987
SP 103-502-16 81



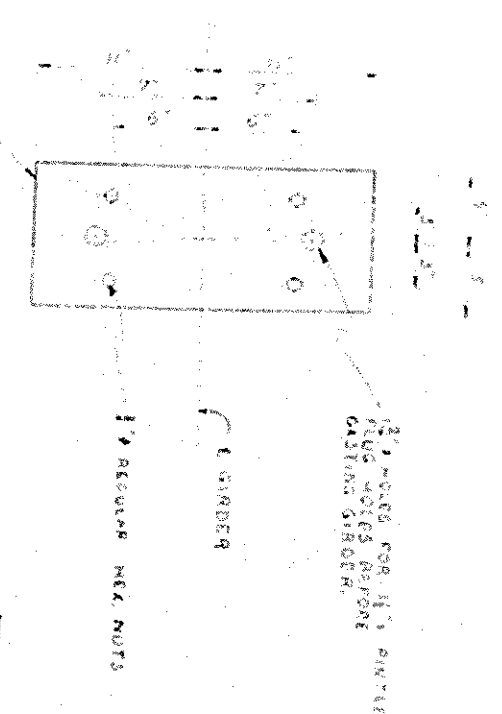
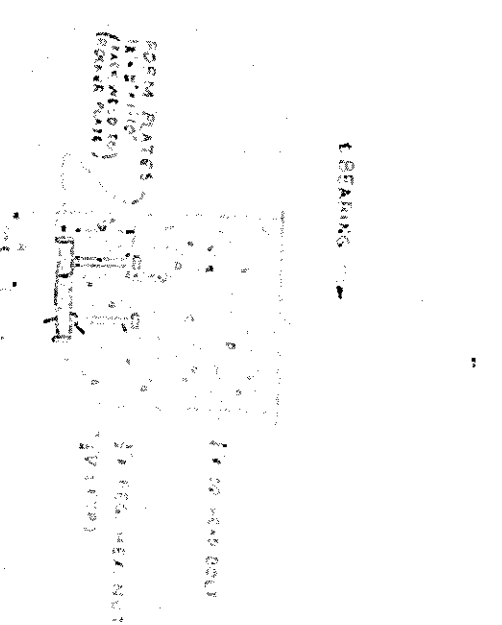
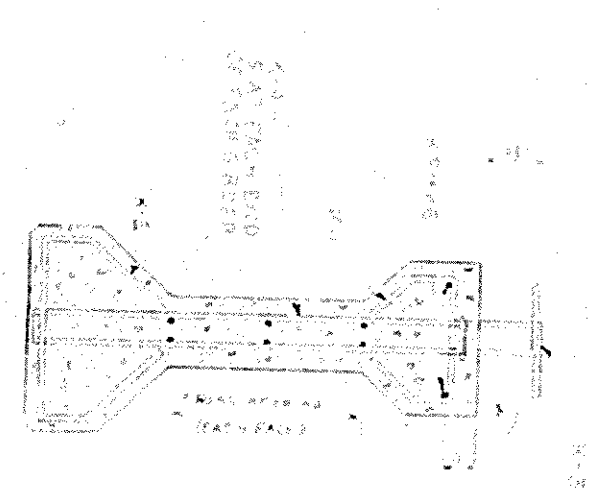
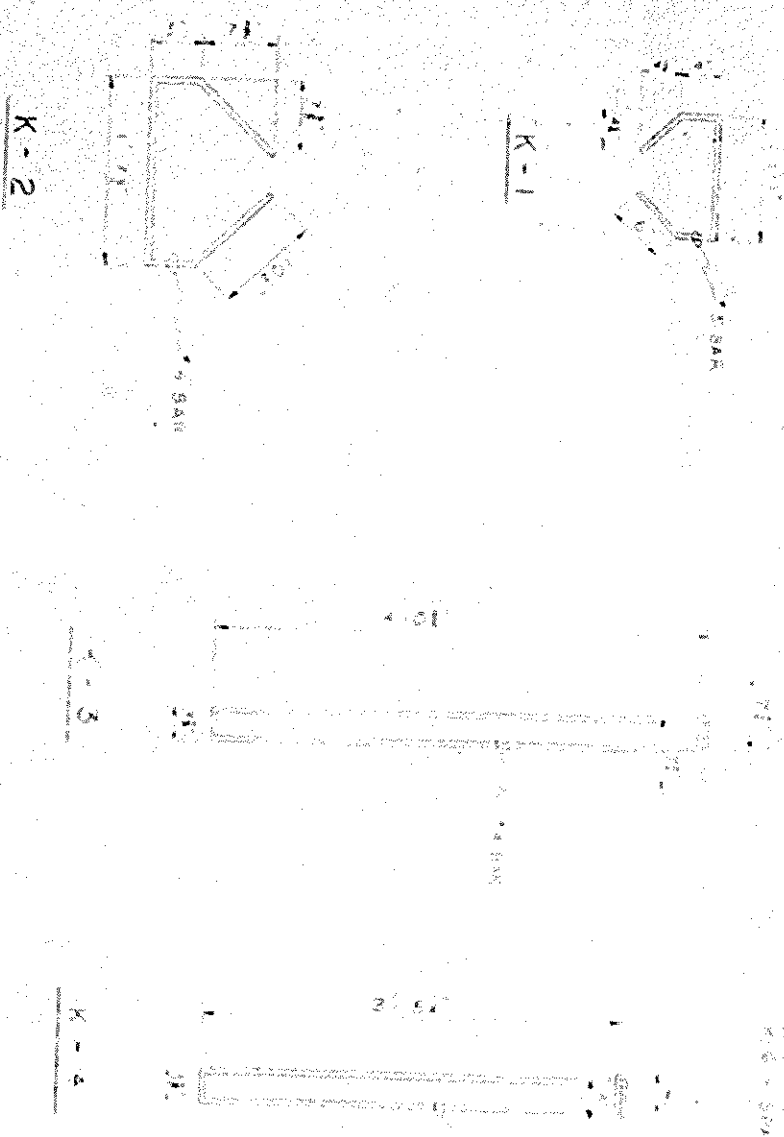


NOTE: DIMENSIONS SHOWN ON THE ABOVE
GIRDER ARE TYPICAL FOR ALL
GIRDERS ON THIS BRIDGE

AT ENDS
TYPICAL STRAND PATTERN
SPAN # 1
SCALE 1"=1'-0"

AT ENDS
TYPICAL STRAND PATTERN
SPAN # 2
SCALE 1"=1'-0"

LIFTING DETAIL
SCALE 1"=1'-0"



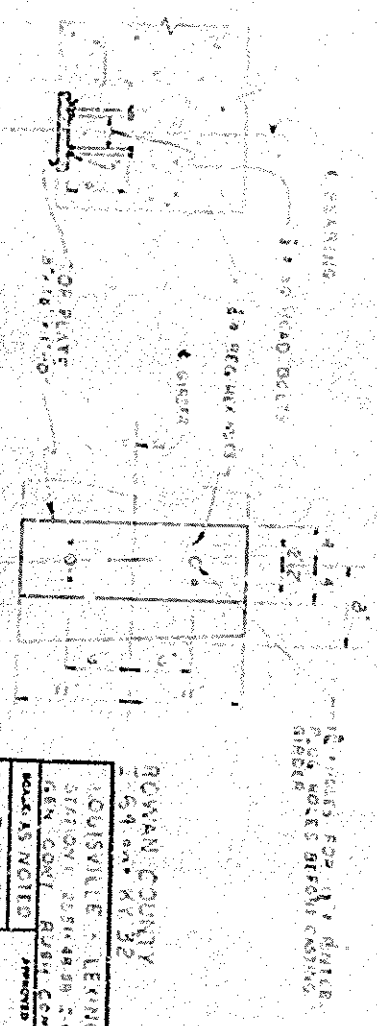
BENDING DETAIL
SCALE 1"=1'-0"

TYPICAL REINFORCING
NOT TO SCALE

ROCKER PLATE
NOT TO SCALE

THREADED ANCHOR BAR
NOT TO SCALE

THREADED INSERT
NOT TO SCALE



OFFICE COPY

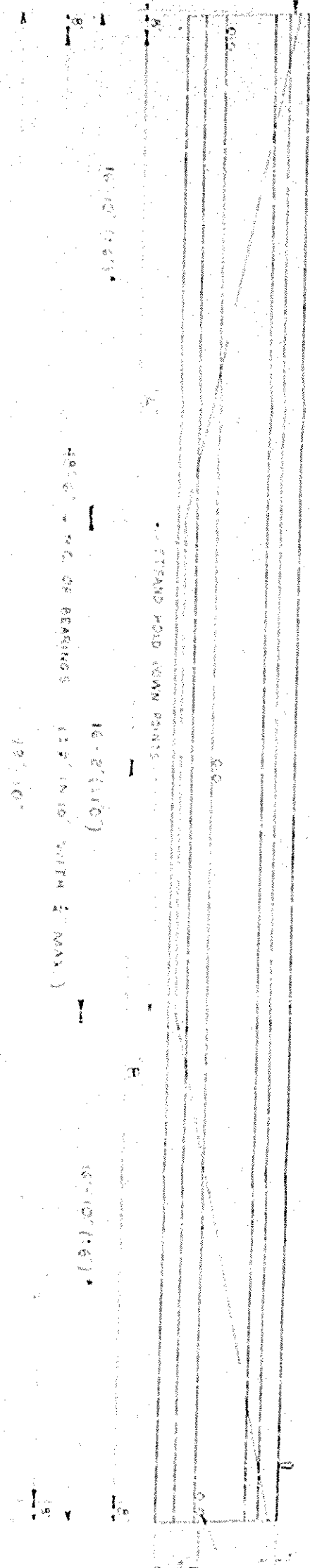
APPROVED FOR
DESIGN ONLY
APR 23 1967
Charles H. Co. &
BRIDGE ENGINEERS

ROWAN COUNTY		SHEET 2 OF 5	
LOUISVILLE - LEVINGTON - CATTLETTSBORO ROAD		BRIDGE NO. 100	
DESIGNED BY: R. L. BROWN		DRAWN BY: G. R. H.	
CHECKED BY: J. L. BROWN		DATE: 7-14-67	
APPROVED BY: J. L. BROWN		SCALE: AS SHOWN	
RELIANCE UNIVERSAL INC.		NEWPORT, KY 41071	
P.O. BOX 10		DETAILS	

MARK THE END OF GIRDER
AT LOUISVILLE

TYPICAL PLAN - ALL GIRDERS SPAN #1 SPAN #2
NOT TO SCALE

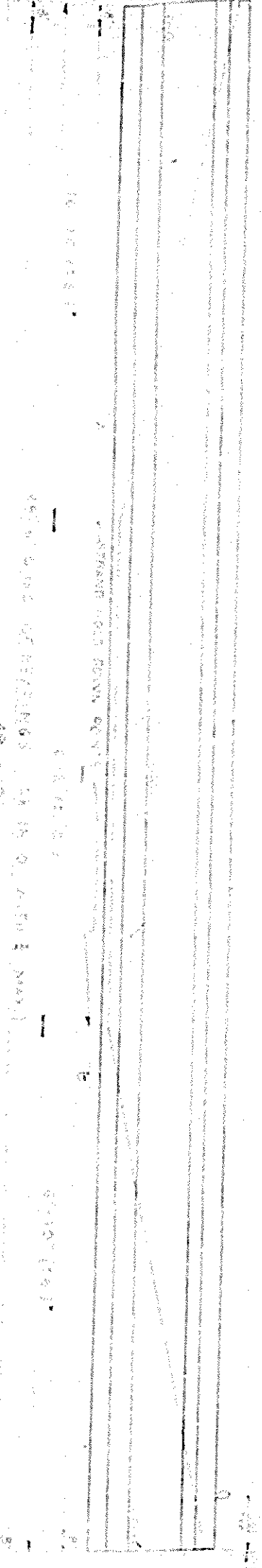
48'-10" ALL GIRDERS SPAN #1
69'-9" ALL GIRDERS SPAN #2



ELEVATION INTERIOR GIRDERS, SPAN #1

END VIEW

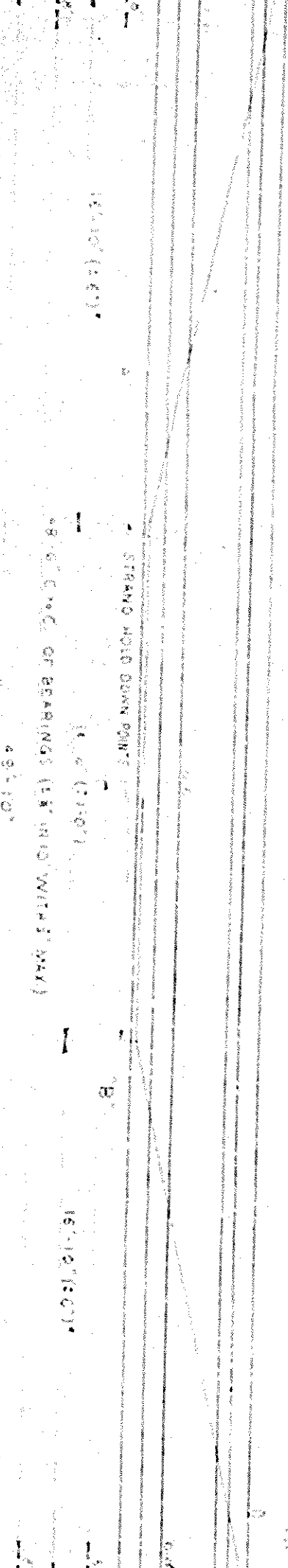
2 REQ GIRDER NO 1A11B SPAN #1



ELEVATION GIRDERS 1A11B, SPAN #1

END VIEW

2 REQ GIRDER NO 6A11B SPAN #1



ELEVATION GIRDERS 6A11B, SPAN #1

END VIEW

DIMENSIONS	
GIRDER NO.	A
1A11B	16'-2" (16'-0")
6A11B	16'-2" (16'-0")
1A11B	48'-0"
6A11B	48'-0"
1A11B	16'-10" (16'-0")
6A11B	16'-10" (16'-0")

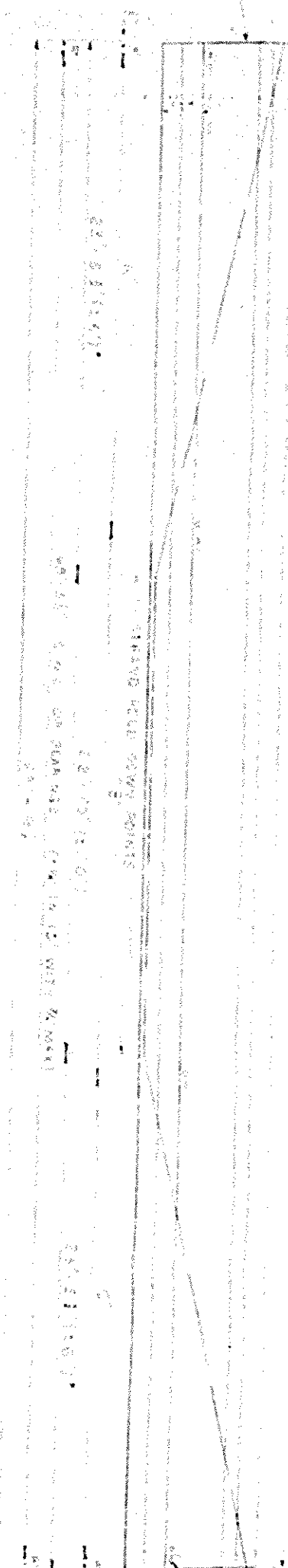
* NOTE: PERMISSIBLE TO BE 1/4" ON ONE END OF GIRDER AND 1/4" ON THE OTHER END.

APPROVED FOR DESIGN ONLY
AUG 23 1967
Charles H. Cook
CIVIL ENGINEER

OFFICE COPY

HOWARD COUNTY
LOUISVILLE - LEXINGTON - CINCINNATI - DAYTON
RELIANCE UNIVERSAL INC.
NEWPORT, KY 41071
SPAN #1
67-4

NOTE: FOR PLAN VIEW OF SPAN 2 GIRDERS
SEE SHEET # 3



ELEVATION - GIRDER 8A & 8B, SPAN # 2

WALL-FOURD WITH 1 GALV. CONDUIT

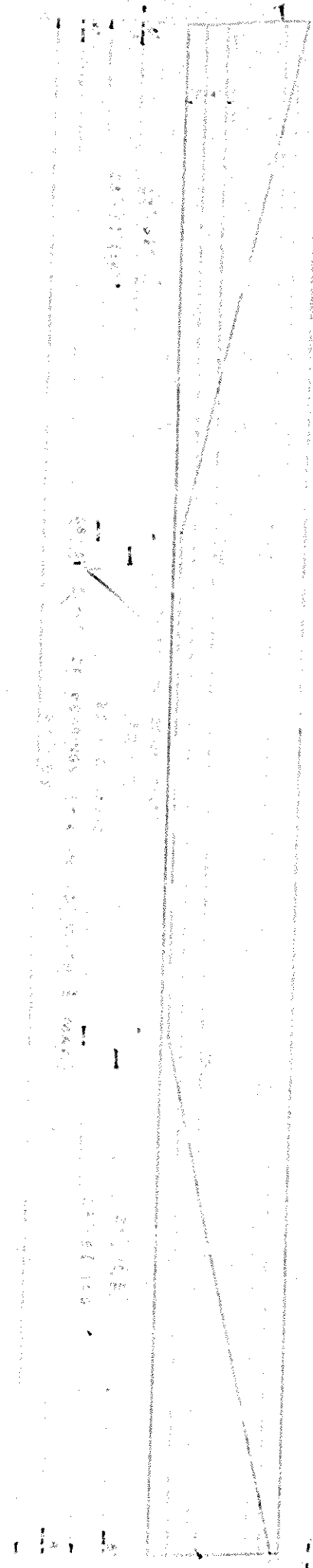


END VIEW

DIMENSIONS

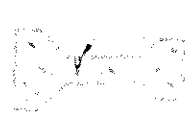
GIRDER NO.	A	B	C
8A	24' 0"	12' 0"	12' 0"
8B	24' 0"	12' 0"	12' 0"

R. 8A & 8B GIRDERS NO. 8A & 8B, SPAN # 2
24' 0" x 12' 0" x 12' 0"



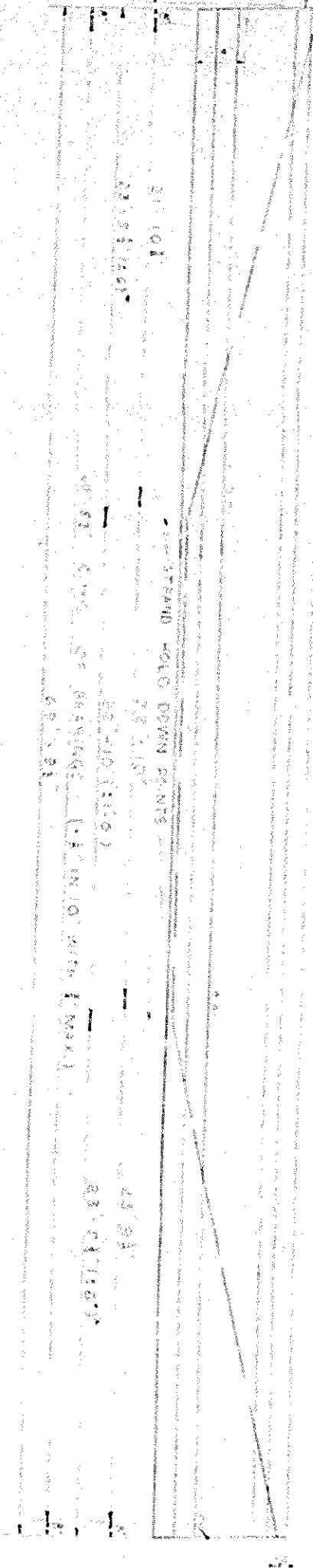
ELEVATION - GIRDER 1A & 1B, SPAN # 2

WALL-FOURD WITH 1 GALV. CONDUIT



END VIEW

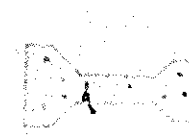
R. 1A & 1B GIRDERS NO. 1A & 1B, SPAN # 2
24' 0" x 12' 0" x 12' 0"



ELEVATION - GIRDER 8A & 8B, SPAN # 2

WALL-FOURD WITH 1 GALV. CONDUIT

END VIEW



R. 8A & 8B GIRDERS NO. 8A & 8B, SPAN # 2
24' 0" x 12' 0" x 12' 0"

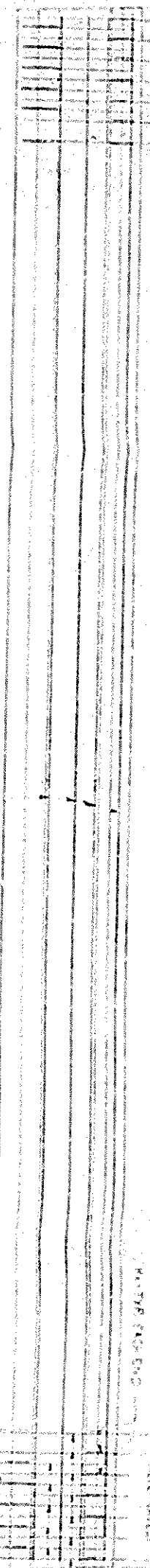
OFFICE COPY

APPROVED FOR DESIGN ONLY
4
R. 8A & 8B GIRDERS
R. 8A & 8B GIRDERS

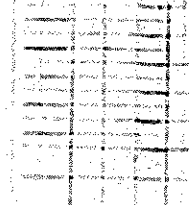
ROMAN COUNTY
264 W. AV. 32
STATION 1341.48 N. 1/4 S. 1/4 T. 14 N. R. 14 E. S. 1/4
G. 1/4 CORNER
BUSH CO. FERTILIZING CO.
DATE 2/14/67
BY J. H. G. C. K.
RELIANCE UNIVERSAL INC.
P.O. BOX 10
NEWPORT, KY 40051
SPAN # 2
G. 1/4

SECTION 1
GENERAL
ALTERNATE

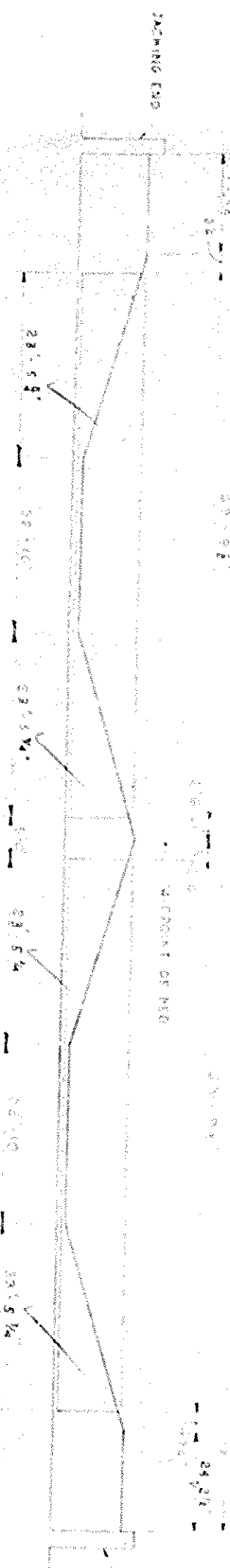
20 SPAN 1
M. 41.18



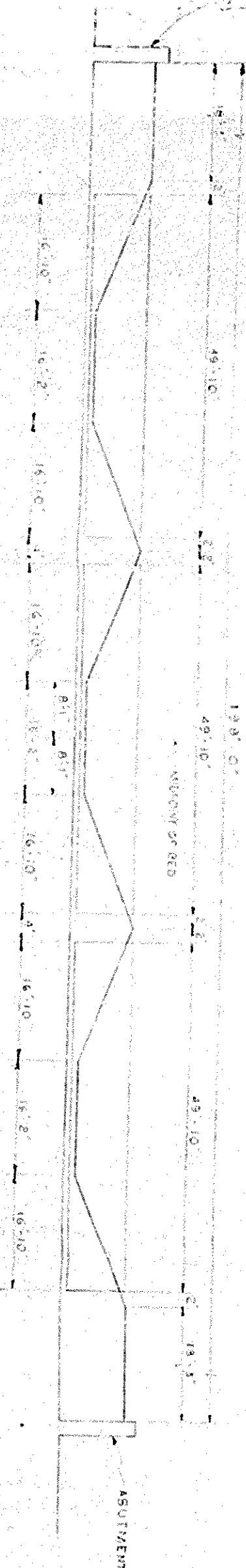
TYPICAL REINFORCING ALL GIRDERS SPAN 1



TYPICAL REINFORCING ALL GIRDERS SPAN 2

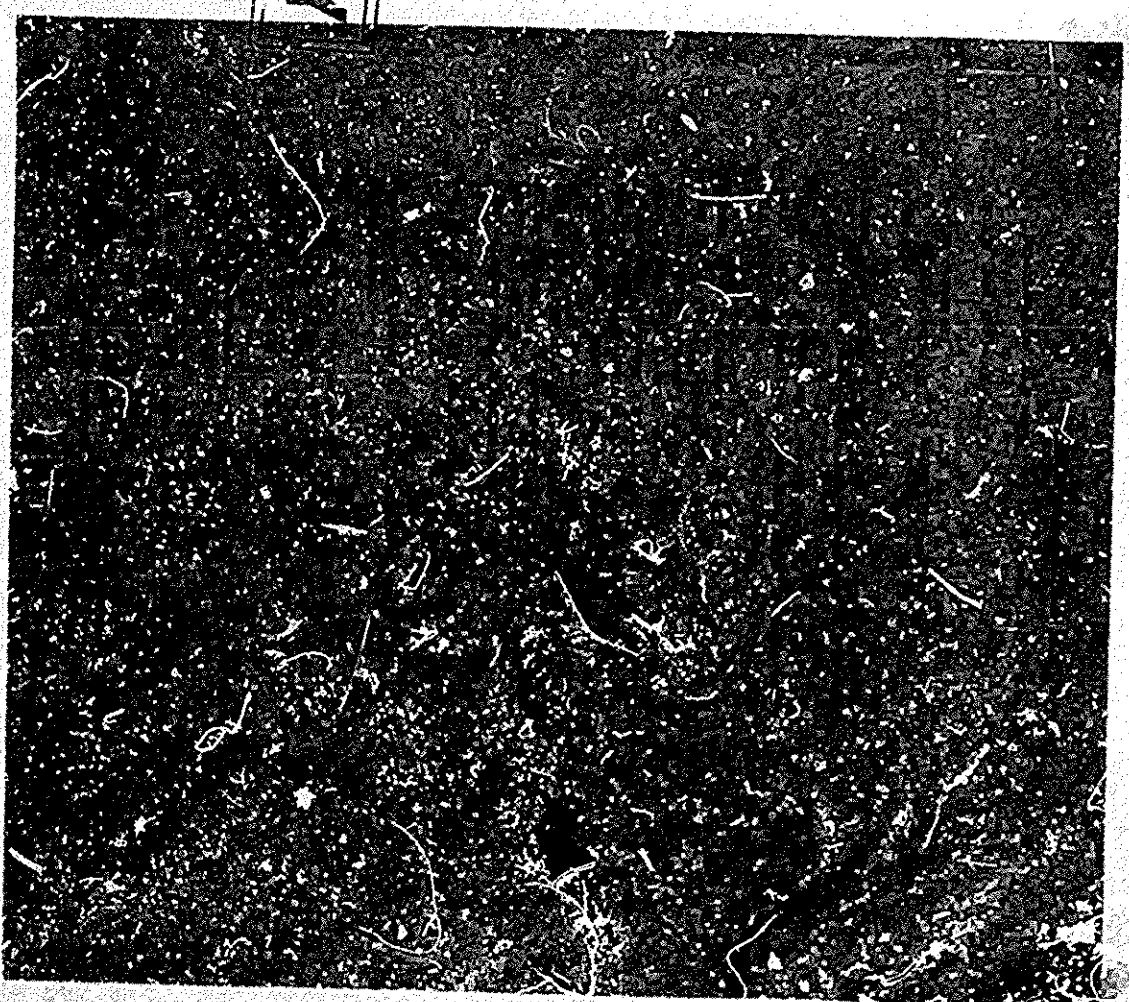


TYPICAL BED LAYOUT SPAN 3 GIRDERS



TYPICAL BED LAYOUT SPAN 1 GIRDERS

OFFICE COPY



APPROVED FOR
DESIGN ONLY
M. 2.1.167
C. H. H. H. H.
BRIDGE DESIGNER

ROWAN COUNTY		SHEET 5 OF 5	
LOUISVILLE - LEXINGTON - CAYLETSBURG ROAD			
STATION: 0+00 TO 4+00			
DESIGNED BY: R. H. H. H. H.			
CHECKED BY: R. H. H. H. H.			
DATE: 10-1-67			
RELIANCE UNIVERSAL INC.		NEWPORT, KY	
P.O. BOX 10		NEWPORT, KY 41071	
TYPICAL BED LAYOUT SPAN 1 GIRDERS		DRAWING NUMBER: 67-1	

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