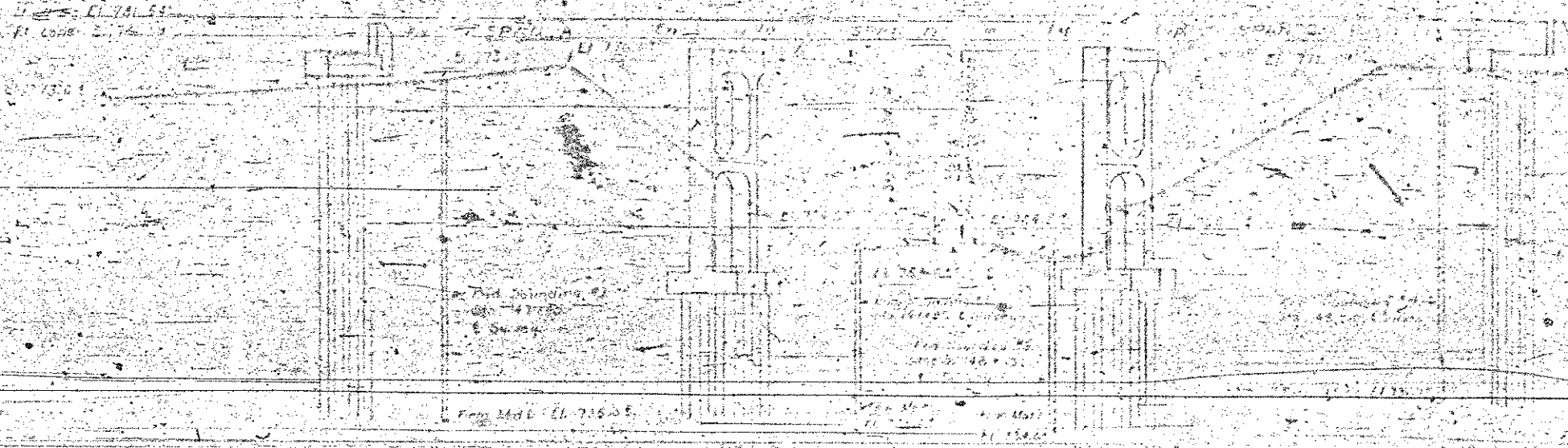




EXCAVATION FOR BRIDGE AND RAIL CONNECTIONS BETWEEN
BRIDGES WILL NOT BE PAID AS A SECONDLY RIGHT. THE ENTIRE
COST OF THIS WORK IS TO BE PAID IN FULL UPON BID
FOR CLASS A CONTRACT.



Rec# 453
Pos# 1

Left Lane

PROJECT NO. 524

San Joaquin COUNTY

STATION: 17 - 94.35-15

PART E
147+94.35

Davidson
#89

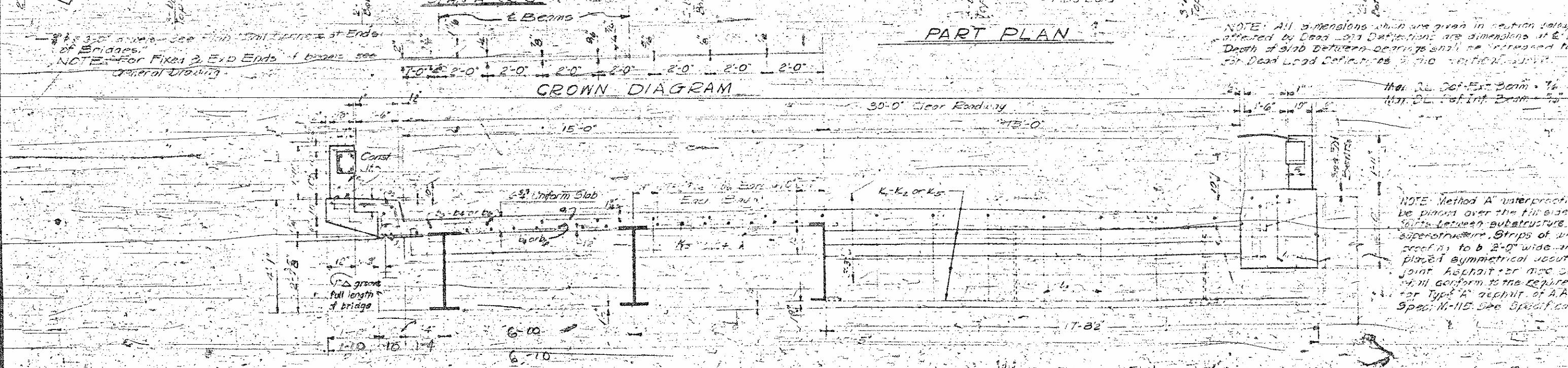
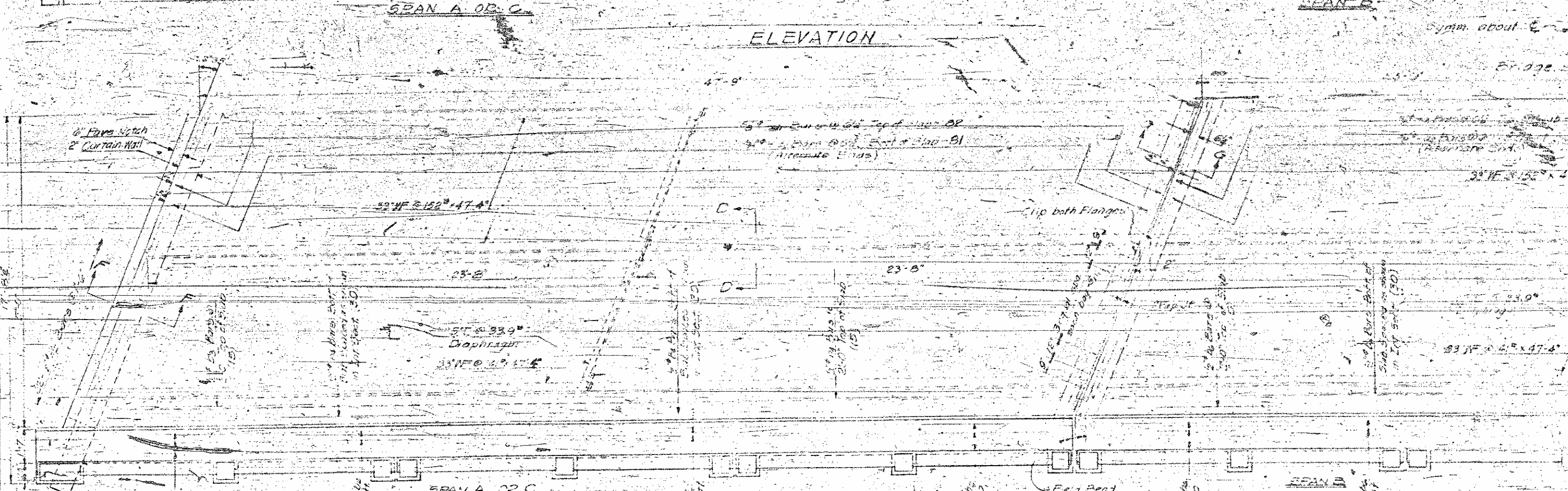
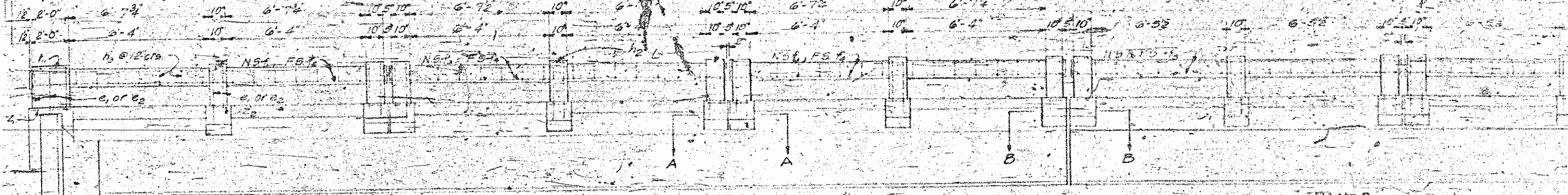
[illegible]

STATE OF NORTH CAROLINA
STATE HIGHWAY AND
PUBLIC WORKS COMMISSION
RALEIGH
N.C.

SUBMITTER BY _____ NAME _____ BRIDGE ENGINEER _____
APPROVED BY _____ STATE HIGHWAY ENGINEER _____ DATE _____

N.S. Span A
F.S. Span C
F.S. Span A

PROJECT NO. 5284
DAVIDSON COUNTY
STATION 147+94.35 L.S.
PART B



NOTE: All dimensions which are given in section along and are affected by Dead Load Deflections are dimensions at bearings. Depth of slab between bearings shall be increased to compensate for Dead Load Deflections. See Note on Section A.

NOTE: Method A waterproofing to be placed over the finished surface between substructure and superstructure. Strips of waterproofing to be 2'-0" wide and placed symmetrical about the joint. Asphalt or mastic 3/4" thick conform to the requirements for Type A deck of A.A.S.H.O. Spec. M-115. See Specifications.

PROJECT NO. 5284
DAVIDSON COUNTY
STATION 147+94.35 L.S.
PART B

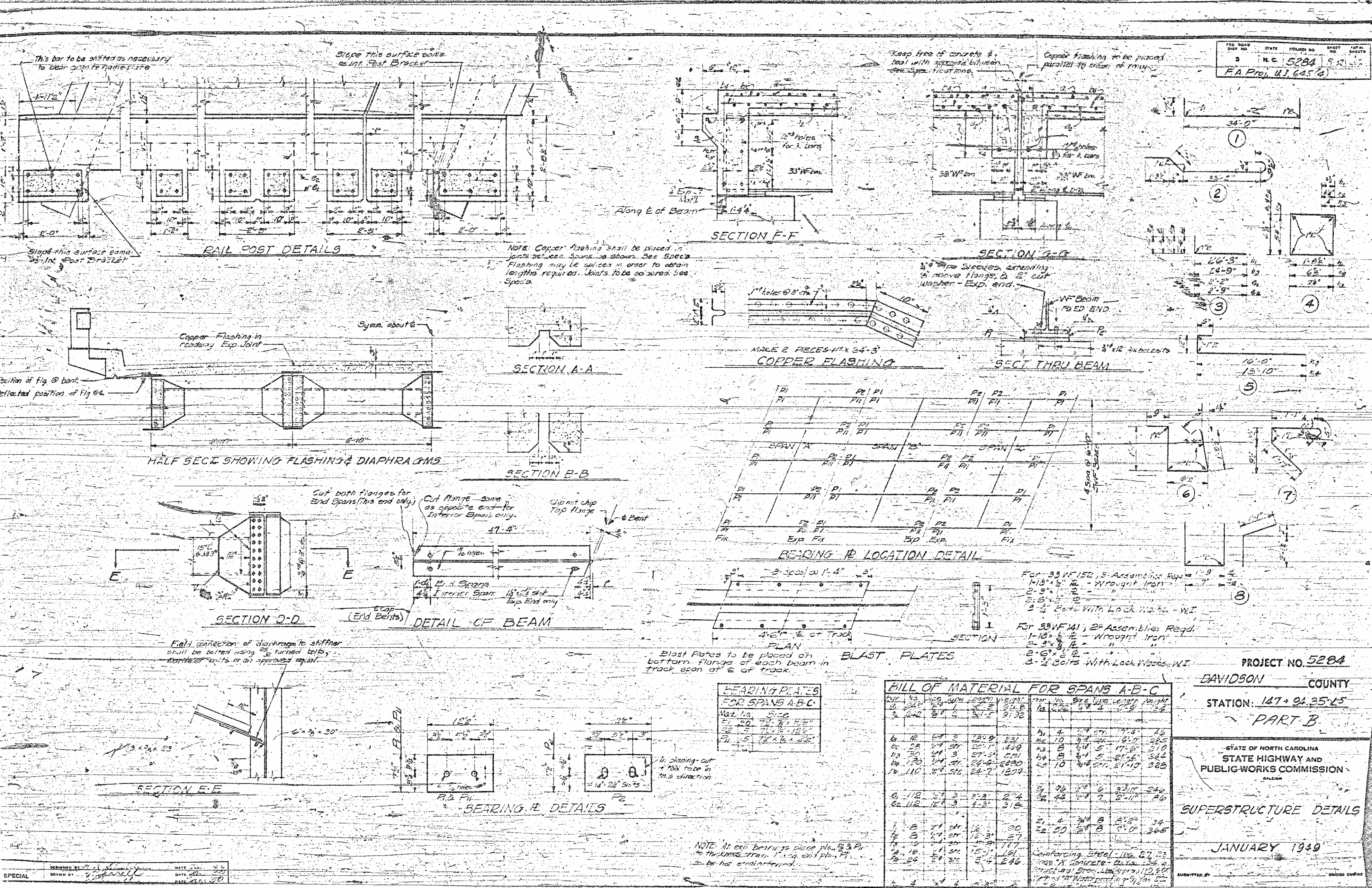
STATE OF NORTH CAROLINA
STATE HIGHWAY AND
PUBLIC WORKS COMMISSION
RALEIGH

SUPERSTRUCTURE DETAIL
JANUARY 1950

DESIGNED BY
DRAWN BY
CHECKED BY

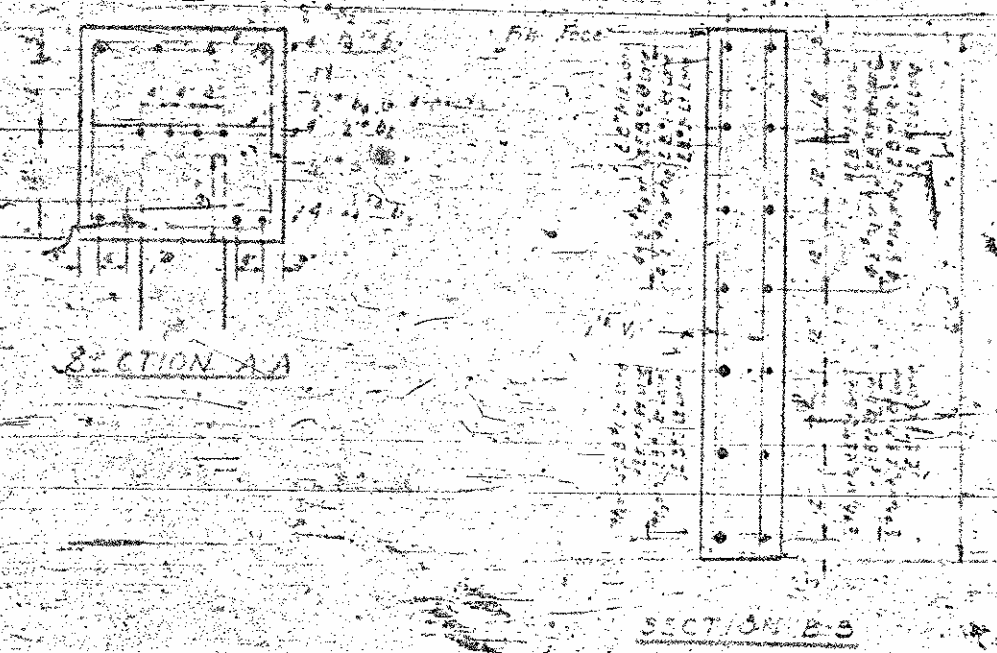
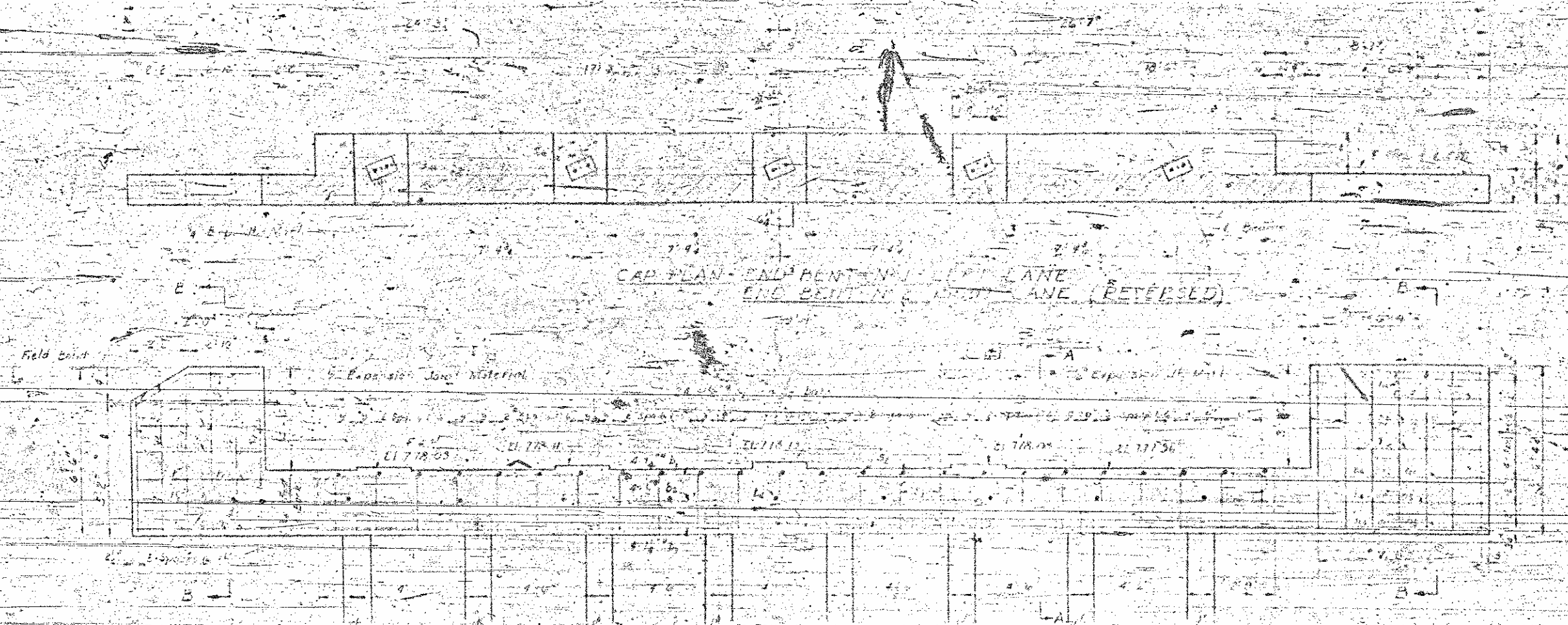
DATE 7/1/50
DATE 7/1/50
DATE 7/1/50

APPROVED BY
DATE



FED. ROAD DIST. NO. 3 STATE N.C. PROJECT NO. 5284 SHEET NO. 9 OF 12 TOTAL SHEETS
FA Proj. U.I. 645 (4)

PROJECT NO. 5284
DAVIDSON COUNTY
STATION: 147 + 94.35-45
PART B
STATE OF NORTH CAROLINA
STATE HIGHWAY AND
PUBLIC WORKS COMMISSION
SUPERSTRUCTURE DETAILS
JANUARY 1949



BILL OF MATERIALS

Bar No.	Size	Length	Weight	Bar No.	Size	Length	Weight
1	1/2"	10.0	0.4	11	1/2"	10.0	0.4
2	1/2"	10.0	0.4	12	1/2"	10.0	0.4
3	1/2"	10.0	0.4	13	1/2"	10.0	0.4
4	1/2"	10.0	0.4	14	1/2"	10.0	0.4
5	1/2"	10.0	0.4	15	1/2"	10.0	0.4
6	1/2"	10.0	0.4	16	1/2"	10.0	0.4
7	1/2"	10.0	0.4	17	1/2"	10.0	0.4
8	1/2"	10.0	0.4	18	1/2"	10.0	0.4
9	1/2"	10.0	0.4	19	1/2"	10.0	0.4
10	1/2"	10.0	0.4	20	1/2"	10.0	0.4

NOTE: End Bent piles to be driven to a minimum bearing capacity of 18 tons per pile.



PROJECT NO. 5763
 CRAWFORD COUNTY
 STATION: 147+94.30 LS
 PART B

STATE OF NORTH CAROLINA
 STATE HIGHWAY AND
 PUBLIC WORKS COMMISSION
 BALDWIN
 END BENT N. 1 LEFT LANE
 AND END BENT N. 2 RIGHT LANE
 AND END BENT N. 1 RIGHT LANE
 AND END BENT N. 2 LEFT LANE
 JAN. 1950

SUBMITTED BY: [Signature]
 APPROVED BY: [Signature]
 DATE: [Date]

PLAN OF CAY FOR BENT #1 OR #2

PART ELEVATION OF BENT #2
(SAME AS BENT #1 EXCEPT AS SHOWN)

ELEVATION - BENT #1

SECTION B-B

NOTE: Interior bent piles to be driven to a minimum bearing capacity of 15 tons per pile.

BENT GRAVITATIONAL
FOR ONE BENT

NO.	SIZE	TYPE	LENGTH	WEIGHT
1	12"	1	11.5	21
2	12"	2	11.5	21
3	12"	3	11.5	21
4	12"	4	11.5	21
5	12"	5	11.5	21
6	12"	6	11.5	21
7	12"	7	11.5	21
8	12"	8	11.5	21
9	12"	9	11.5	21
10	12"	10	11.5	21
11	12"	11	11.5	21
12	12"	12	11.5	21
13	12"	13	11.5	21
14	12"	14	11.5	21
15	12"	15	11.5	21

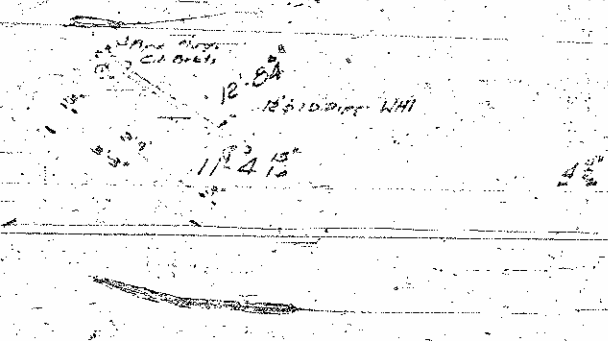
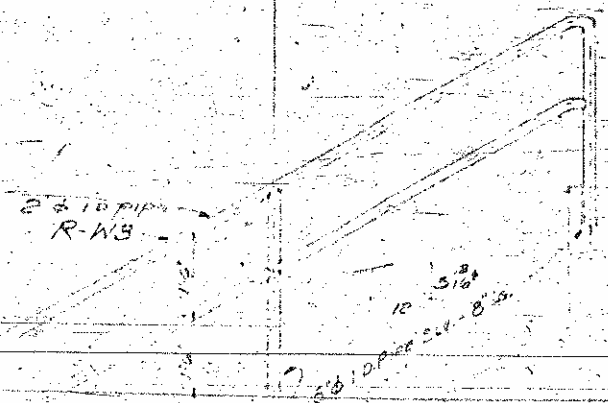
STATE OF NORTH CAROLINA
 STATE HIGHWAY AND
 PUBLIC WORKS COMMISSION

BENT #1 AND #2

JAN. 1955

PLAN OF RAILS LEFT SIDE OF UNDER

5' 8 1/2" 6' 8 1/2"



ELEVATION P

Elev. 764.87

Elev. 758.55

ELEVATION 3-5

(For data not shown see P. 48)

Revisions shown on 30.6/1/51

2" x 10" PIPE

R-W3

12" x 11"

12" x 11"

12" x 11"

12" x 11"

12" x 11"

12" x 11"

12" x 11"

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12" x 11"

12" x 11"

12" x 11"



Washer 2" x 10" x 1/2" W1

Wedge Anchor Bolt 1/2" x 10" x 1/2" W1

Hex Nut

Free End

OR BOLT SETTING

GENERAL NOTES

- Elevations Given Are To Top Of Concrete
- Anchor Bolts Furnished By Bethlehem Steel Co. And Set By Others
- Field Connections - Dardot Bolt-Bolt
- All Dimensions On This Plan Must Be Strictly Adhered To Otherwise Steel Will Not Fit In Case Of Error Notify Bethlehem Steel Co. At Once
- Pieces Are To Be Erected With The Mark In The Position Corresponding To That Shown On The Erection Plan

STATION 147.94.35

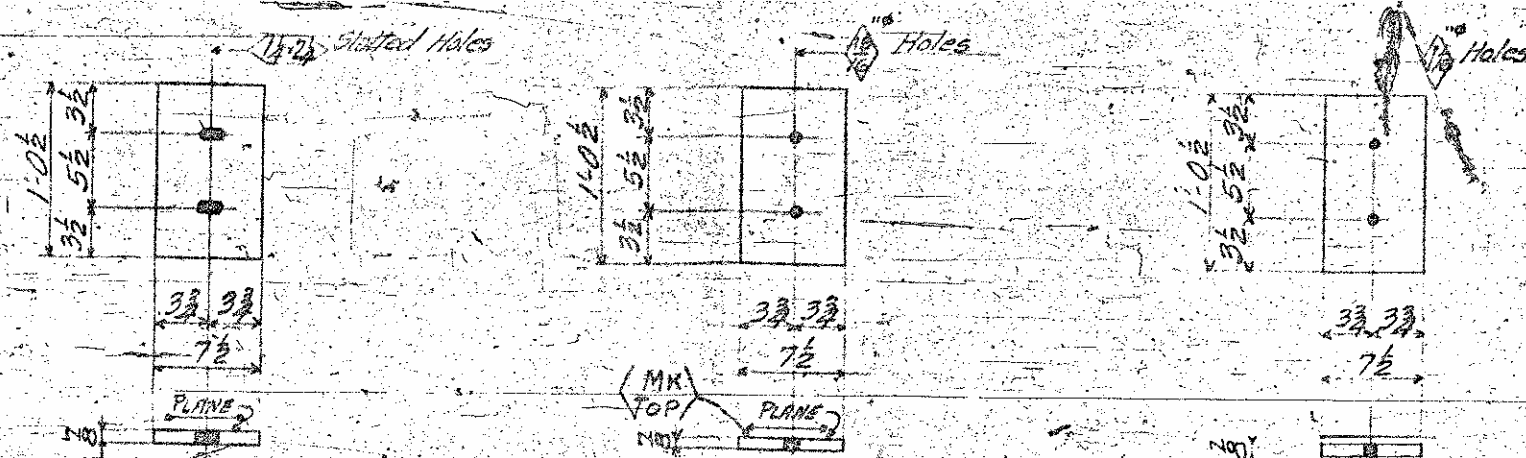
INSTALL A & B

CUST. W. E. BARKLEY - PONTIAC CO. INC.	
PROJECT No. 5284 - Dardot Co. Part B	
NORTH CAROLINA STATE HIGHWAY BRIDGE	
BETHLEHEM STEEL COMPANY	
FABRICATED STEEL CONNECTION	
POTTSTOWN DRAFTING DEPT. (POTTSTOWN, PA.)	
BY CHARGE L. C. B.	CHECKED BY J. M. B.
REVIEWED BY J. M. B.	DATE 10/1/51
CONTRACT C-7025	

SOUTHERN ENGINEERING CO.	
LITTLE PITTSBURG	CHARLOTTE, N. C.
MADE BY	CHECKED BY
DATE 5/11/51	REVIEWED
CONT 22	DRAW 11-1

NOTES
RIVETS UNLESS NOTED
HOLES "B"
PAINT "B"

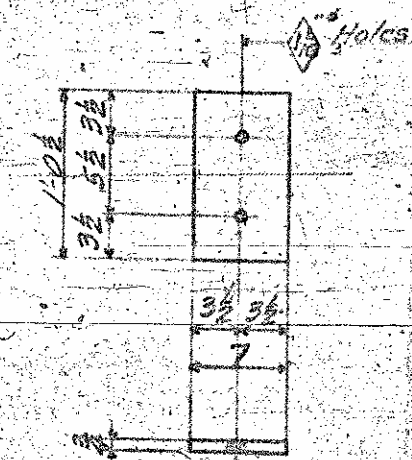
2 3 3																	
NO OF Pcs	SHAPE	LENGTH	MARKS	REMARKS	WEIGHT	NO OF Pcs	SHAPE	LENGTH	MARKS	REMARKS	WEIGHT	NO OF Pcs	SHAPE	LENGTH	MARKS	REMARKS	WEIGHT
1	2" x 10" PIPE	12' 11"				1	2" x 10" PIPE	12' 11"									
2	2" x 10" PIPE	12' 11"				2	2" x 10" PIPE	12' 11"									
3	2" x 10" PIPE	12' 11"				3	2" x 10" PIPE	12' 11"									
4	2" x 10" PIPE	12' 11"				4	2" x 10" PIPE	12' 11"									
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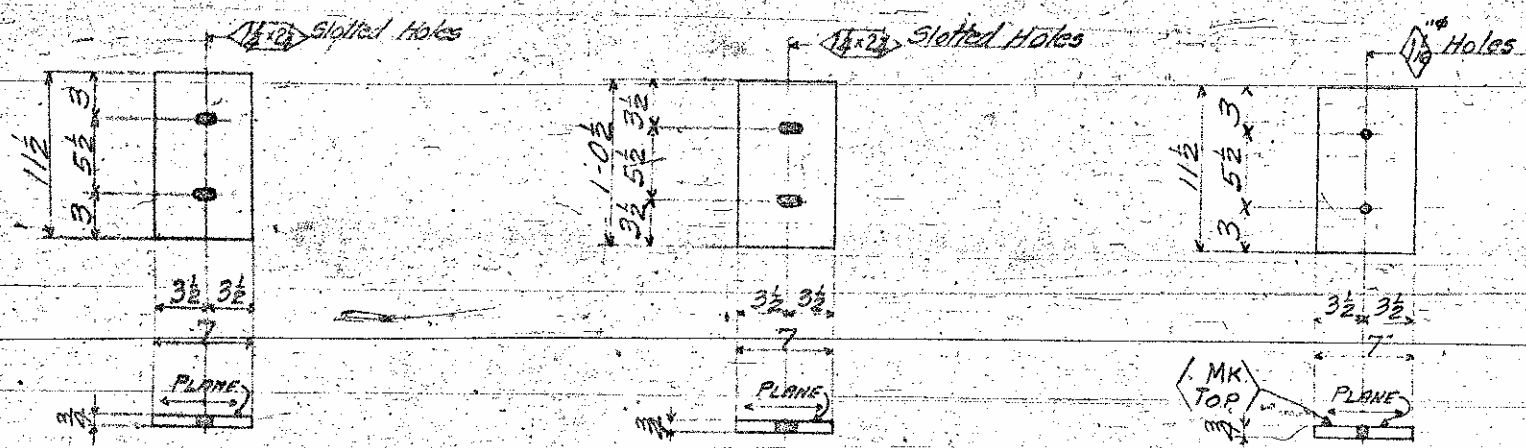
BEARING PL 12 1/2 x 3 x 0 7/8 BP1 (P15) (3)

MASONRY PL 12 1/2 x 3 x 0 7/8 MP1 (P15) (3)

MASONRY PL 7 1/2 x 3 x 1 0 1/2 MP2 (3)



MASONRY PL 7 1/2 x 3 x 1 0 1/2 MP2 (3)



BEARING PL 11 1/2 x 3 x 0 7 BP2 (P15) (3)

BEARING PL 12 1/2 x 3 x 0 7 BP3 (P15) (3)

MASONRY PL 11 1/2 x 3 x 0 7 MP3 (P15) (3)

MASONRY PL 12 1/2 x 3 x 0 7 MP4 (P15) (3)

MASONRY PL 7 x 3 x 0 7 1/2 MP5 (3)

INSTALLMENT				REQUIRED TEST			
A	B	C	D	REMARKS	TEST	TEST	TEST
15	15		30	MASONRY PLATES	MP1		
15	15		30	do	MP2		
	12	12	do	do	MP3		
	12	12	do	do	MP4		
	12	12	do	do	MP5		
	12	12	do	do	MP6		
	20	20	do	do	MP7		
15	15		30	BEARING PLATES	BP1		
	12	12	do	do	BP2		
	12	12	do	do	BP3		
	20	20	do	do	BP4		

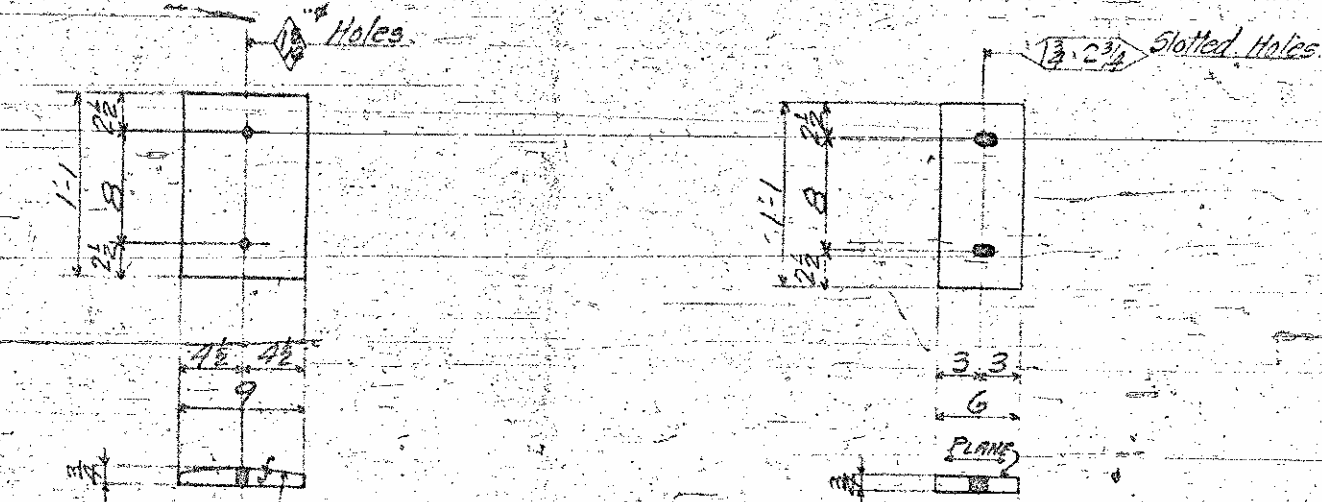
INSTALL A. RIGHT LANE STA 147+94.35

B. LEFT " " " "

C. STA 136+42.7

D. " " 2+99.1

INSTALLMENTS A-B-C-D



MASONRY PL 9 x 3 x 1 1 MP7 (P15) (3)

BEARING PL 13 x 3 x 0 6 BP4 (P15) (3)

NOTES None

OPEN HOLES As Noted

REBAR None

REINFORCING As Noted

PAINT One Coat Red Lead (Fed. Spec. T.R. 191d)

WELDING None

SHOP CONTACT (SEE) None

CUST. W.F. BRINKLEY CONST. CO. INC.

PROJECT No. 5284 Davidson Co. Part 2

NORTH CAROLINA STATE HIGH BRIDGES

DAYTON STEEL COMPANY

FABRICATED STEEL CONSTRUCTION

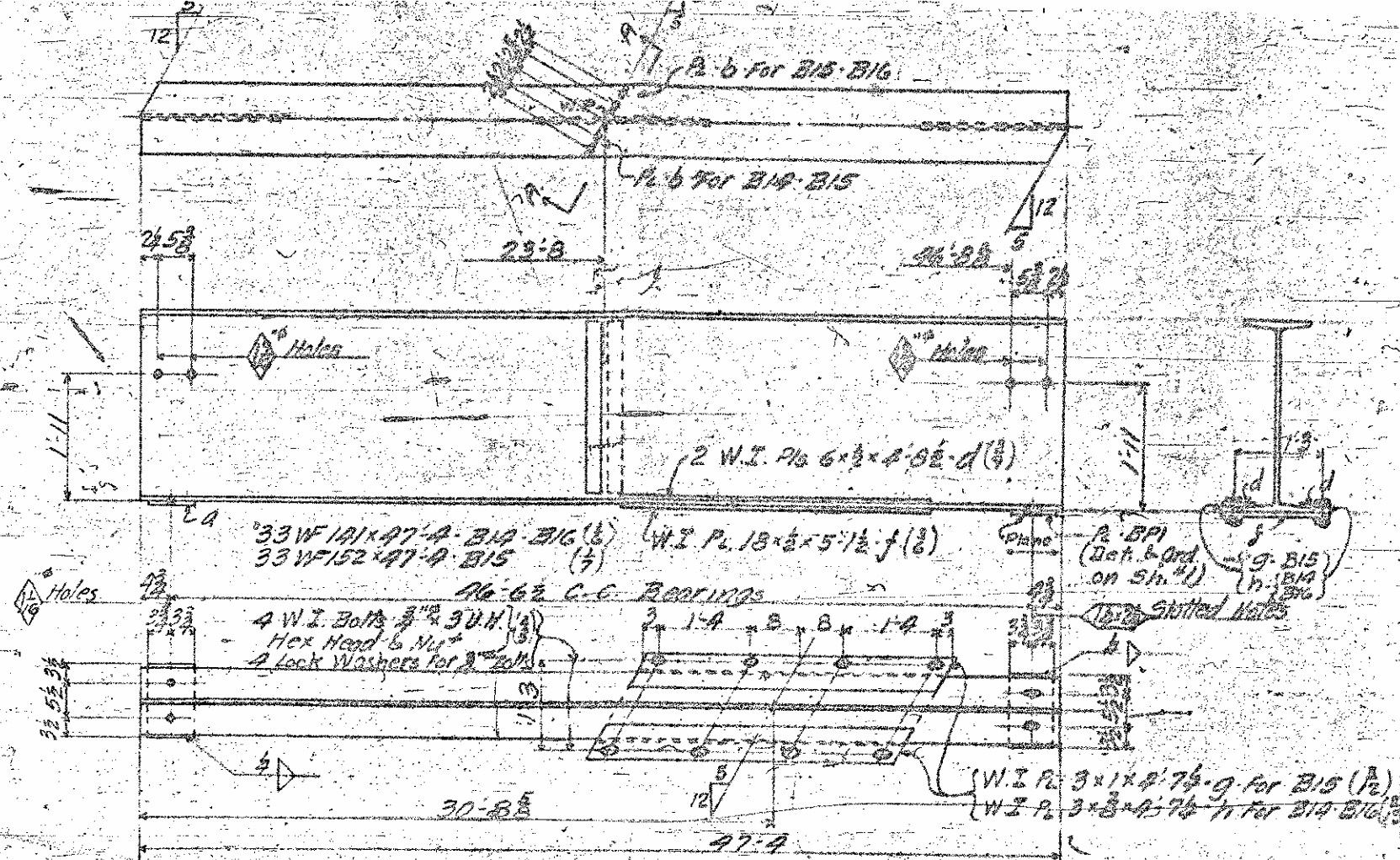
FOOTSTOWN CRAFTING ROOM FOOTSTOWN, PA.

ON CHARGE L.C.B. MADE BY A.J. B. 8/9/60

CHECKED BY J. H. B. 8/9/60

DESIGNED BY J. H. B. 8/9/60

LAST ASSEMBLY



NOTE:
Fabricate all beams with mild
camber up 

BEAMS B11-B12/B13
30 Lin. Inches of $\frac{1}{2}$ Fillet Weld
29 Lin. Inches of $\frac{1}{2}$ Weld For B11 B13
57 " " " " " B12
29 " " " " " B11-B13
57 " " " " " B12

BEAMS B14, B15 & B16
30 Lin. Inches of 6 Millet Weld
29 Lin. Inches of 6 Weld For B14, B15
57 Lin. Inches of 6 Weld B16

<u>INSTALL</u>		<u>REQUIRED LIST</u>	
<u>A</u>	<u>B</u>	<u>REQD DESCRIPTION</u>	<u>MARK REMARKS</u>
2	2	BEAMS	B/I
6	6	do	B/I 2
12	2	do	B/I 3
1	1	do	B/I 4
3	3	do	B/I 5
1	1	do	B/I 6

INSTALL 9. RIGHT LANE STA 147+94.35
" B. LEFT " " " "

INSTALLMENT A. & B.

RIVETS None
 OPEN HOLES As Noted
 FLAKES None
 BOLLING As Noted
 PAINT One Coat Red Lead
 (Red Spec 77.8 1940)
 WELDING As Noted
 SHIP CONTACT SURFACES No Paint

[illegible]

