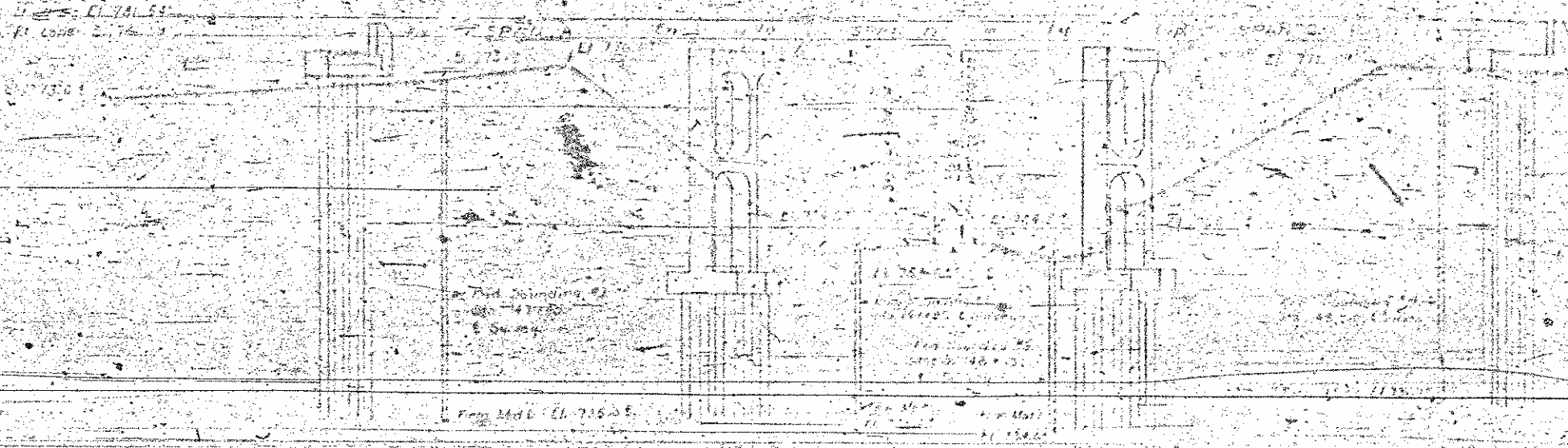




EXAVATION for R/S ~~to~~ ^{at} ~~and~~ ^{at} Rail Connections between
bridges will include ~~to~~ ^{at} ~~as~~ ^{at} a second item. The entire
cost of this work ~~to~~ ^{at} ~~will~~ ^{at} be included in the unit price bid
for Cross A Concrete.



Rec# 453
Pos# 1

Left Lane

PROJECT NO. 5244

_____ COUNTY

STATION: 17 - 94.35-L5

PART E
147+94.35

Davidson
#89

Left View

Material Quantities:

Material	Quantity
Concrete	11.5
Grout	1.5
Gravel	1.5
Sand	1.5
Water	1.5
Oil	1.5
Gas	1.5
Electricity	1.5
Other	1.5

Dimensions:

Dimension	Value
Top Width	11.5
Bottom Width	1.5
Height	1.5
Length	1.5
Area	1.5
Volume	1.5
Weight	1.5
Cost	1.5
Other	1.5

Right View

Material Quantities:

Material	Quantity
Concrete	11.5
Grout	1.5
Gravel	1.5
Sand	1.5
Water	1.5
Oil	1.5
Gas	1.5
Electricity	1.5
Other	1.5

Dimensions:

Dimension	Value
Top Width	11.5
Bottom Width	1.5
Height	1.5
Length	1.5
Area	1.5
Volume	1.5
Weight	1.5
Cost	1.5
Other	1.5

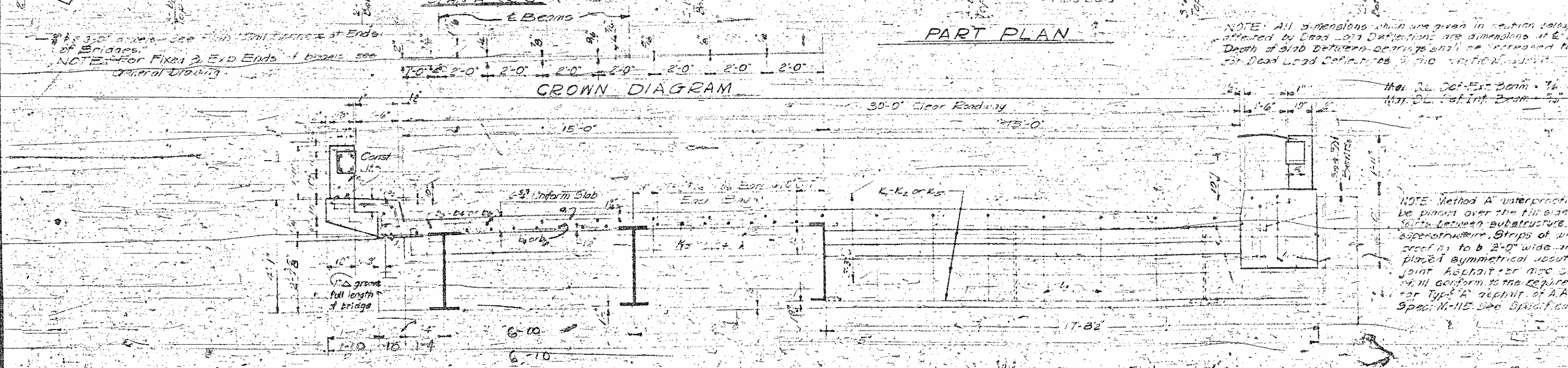
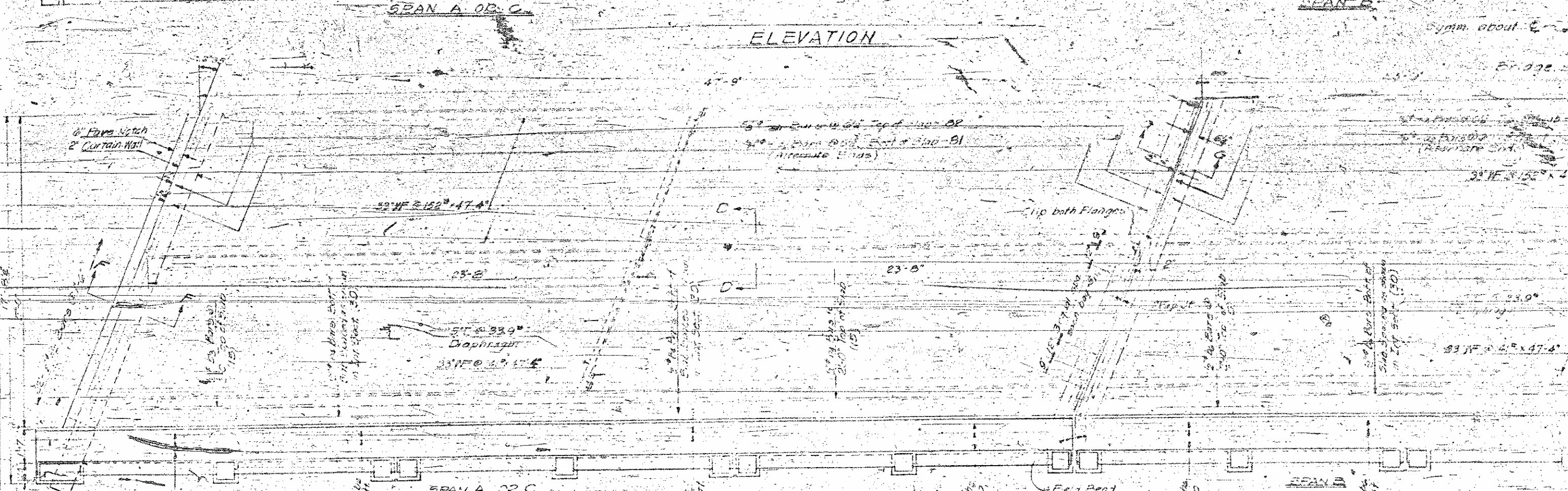
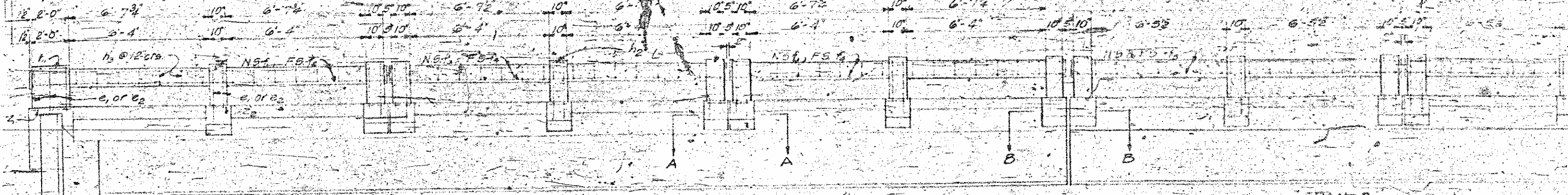
STATE OF NORTH CAROLINA
STATE HIGHWAY AND
PUBLIC WORKS COMMISSION
RALEIGH

SUBMITTER BY _____
DESIGN ENGINEER _____

APPROVED BY _____
STATE HIGHWAY ENGINEER _____

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 below 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 Section 100.0.

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 repair of A.A.S.H.O. Spec. M-115. See Specifications.

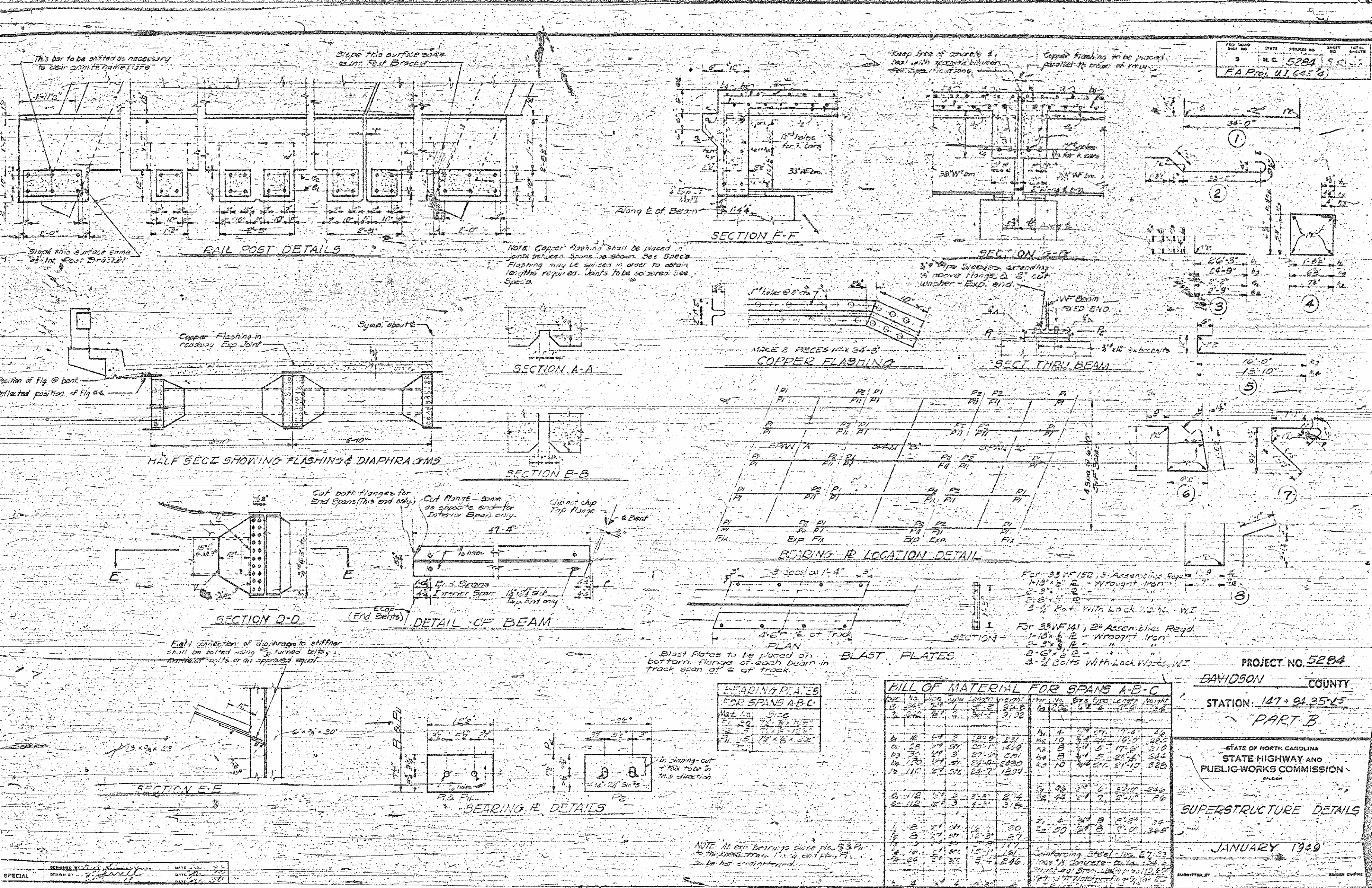
PROJECT NO. 5284
DAVIDSON COUNTY
STATION 147+94.35 L.S.
PART B

STATE OF NORTH CAROLINA
STATE HIGHWAY AND
PUBLIC WORKS COMMISSION
RALEIGH

SUPERSTRUCTURE DETAIL
JANUARY 1950

DESIGNED BY
DRAWN BY
CHECKED BY
DATE

APPROVED BY
DATE

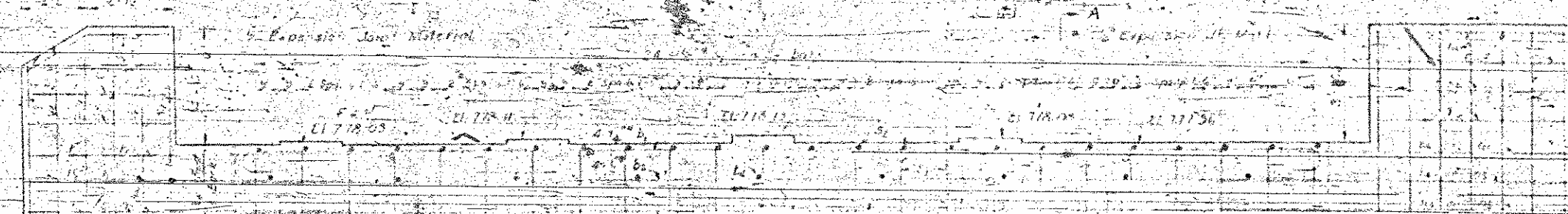


PROJECT NO. 5284
DAVIDSON COUNTY
STATION: 147 + 94.35-45
PART B

STATE OF NORTH CAROLINA
STATE HIGHWAY AND
PUBLIC WORKS COMMISSION
SUPERSTRUCTURE DETAILS
JANUARY 1949

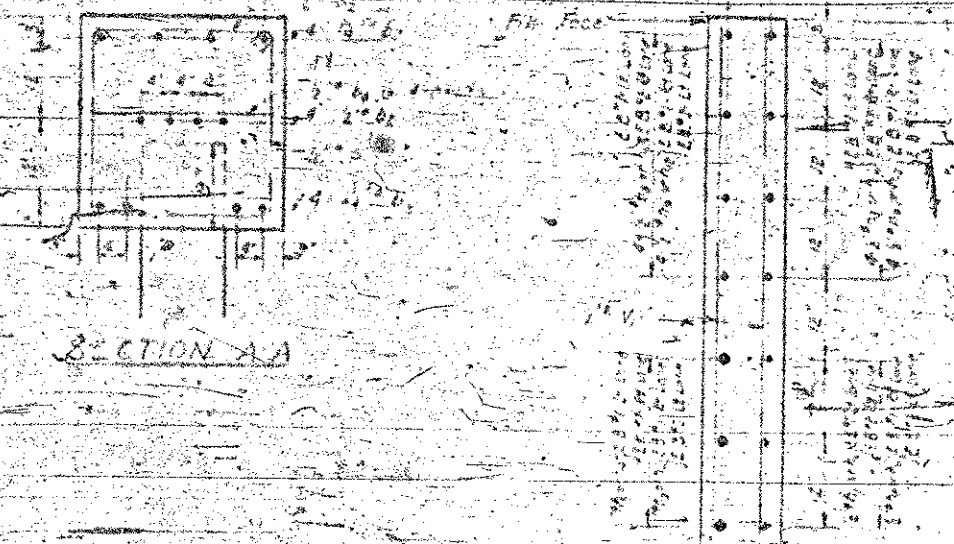


CAP PLAN - ENH BENT NW 1/4 LANE
END BENT NW 1/4 LANE (REVERSED)

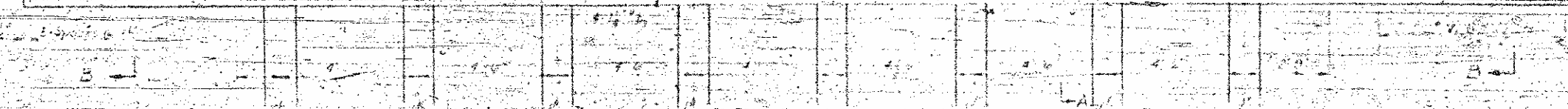


ELEVATION: 100-100 FT. - 100 FT. LONG
CROSS SECTION: 100 FT. - 100 FT. (ELEVATION)

NOTE: End Bent piles to be driven to a minimum bearing capacity of 16 tons per pile.



SECTION 4

[illegible]

BILL OF MATERIALS

WHEELS - 1772 LANE 26
LNO DENT N° 2 Right LANE

END BR - 4 - 1772 LANE 26
LNO DENT N° 2 LEFT LANE

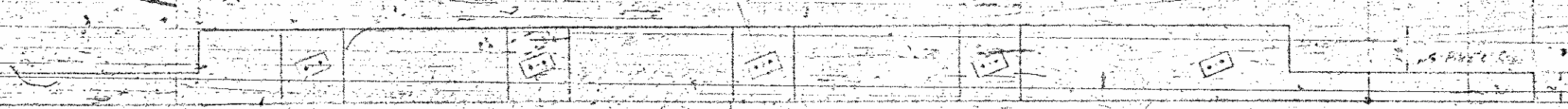
Bar	N°	Size	Length	Wt	Bar	N°	Size	Length	Wt
1	1	1/2"	24"	2.5	1	1	1/2"	24"	2.5
2	2	1/2"	35"	3.4	2	2	1/2"	35"	3.4
3	3	1/2"	24"	2.5	3	3	1/2"	24"	2.5
4	4	1/2"	35"	3.4	4	4	1/2"	35"	3.4
5	5	1/2"	24"	2.5	5	5	1/2"	24"	2.5
6	6	1/2"	35"	3.4	6	6	1/2"	35"	3.4
7	7	1/2"	24"	2.5	7	7	1/2"	24"	2.5
8	8	1/2"	35"	3.4	8	8	1/2"	35"	3.4
9	9	1/2"	24"	2.5	9	9	1/2"	24"	2.5
10	10	1/2"	35"	3.4	10	10	1/2"	35"	3.4
11	11	1/2"	24"	2.5	11	11	1/2"	24"	2.5
12	12	1/2"	35"	3.4	12	12	1/2"	35"	3.4
13	13	1/2"	24"	2.5	13	13	1/2"	24"	2.5
14	14	1/2"	35"	3.4	14	14	1/2"	35"	3.4
15	15	1/2"	24"	2.5	15	15	1/2"	24"	2.5
16	16	1/2"	35"	3.4	16	16	1/2"	35"	3.4
17	17	1/2"	24"	2.5	17	17	1/2"	24"	2.5
18	18	1/2"	35"	3.4	18	18	1/2"	35"	3.4
19	19	1/2"	24"	2.5	19	19	1/2"	24"	2.5
20	20	1/2"	35"	3.4	20	20	1/2"	35"	3.4
21	21	1/2"	24"	2.5	21	21	1/2"	24"	2.5
22	22	1/2"	35"	3.4	22	22	1/2"	35"	3.4
23	23	1/2"	24"	2.5	23	23	1/2"	24"	2.5
24	24	1/2"	35"	3.4	24	24	1/2"	35"	3.4
25	25	1/2"	24"	2.5	25	25	1/2"	24"	2.5
26	26	1/2"	35"	3.4	26	26	1/2"	35"	3.4
27	27	1/2"	24"	2.5	27	27	1/2"	24"	2.5
28	28	1/2"	35"	3.4	28	28	1/2"	35"	3.4
29	29	1/2"	24"	2.5	29	29	1/2"	24"	2.5
30	30	1/2"	35"	3.4	30	30	1/2"	35"	3.4
31	31	1/2"	24"	2.5	31	31	1/2"	24"	2.5
32	32	1/2"	35"	3.4	32	32	1/2"	35"	3.4
33	33	1/2"	24"	2.5	33	33	1/2"	24"	2.5
34	34	1/2"	35"	3.4	34	34	1/2"	35"	3.4
35	35	1/2"	24"	2.5	35	35	1/2"	24"	2.5
36	36	1/2"	35"	3.4	36	36	1/2"	35"	3.4
37	37	1/2"	24"	2.5	37	37	1/2"	24"	2.5
38	38	1/2"	35"	3.4	38	38	1/2"	35"	3.4
39	39	1/2"	24"	2.5	39	39	1/2"	24"	2.5
40	40	1/2"	35"	3.4	40	40	1/2"	35"	3.4
41	41	1/2"	24"	2.5	41	41	1/2"	24"	2.5
42	42	1/2"	35"	3.4	42	42	1/2"	35"	3.4
43	43	1/2"	24"	2.5	43	43	1/2"	24"	2.5
44	44	1/2"	35"	3.4	44	44	1/2"	35"	3.4
45	45	1/2"	24"	2.5	45	45	1/2"	24"	2.5
46	46	1/2"	35"	3.4	46	46	1/2"	35"	3.4

WHEELS - 1772 LANE 26
LNO DENT N° 2 Right LANE

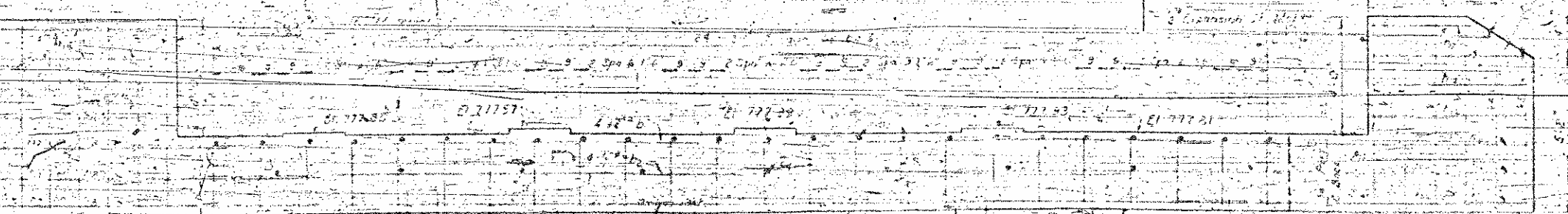
END BR - 4 - 1772 LANE 26
LNO DENT N° 2 LEFT LANE

* Material is shown by pipe has been produced.

FILE OF MATTERS



CAP-PLAN- END BENT. N°1 RIGHT LANE
CAP-PLAN- END BENT. N°1 LEFT LANE (REVERSED)



ELEVATION- END BENT NEAR CH. 100 (REVERSED)

PROJECT NO. 84

CLARKSON COUNTY

STATION: 147 + 94.35 LS

PART B

STATE OF NORTH CAROLINA
STATE HIGHWAY AND
PUBLIC WORKS COMMISSION

END BENT NOT LEFT LANE
AND END BENT NOT RIGHT LANE
END BENT NOT RIGHT LANE
AND END BENT NOT LEFT LANE

Aug 1950

SUBMITTED BY _____ DATE _____
APPROVED BY _____ 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"	1	11.5	21
3	12"	1	11.5	21
4	12"	1	11.5	21
5	12"	1	11.5	21
6	12"	1	11.5	21
7	12"	1	11.5	21
8	12"	1	11.5	21
9	12"	1	11.5	21
10	12"	1	11.5	21
11	12"	1	11.5	21
12	12"	1	11.5	21
13	12"	1	11.5	21
14	12"	1	11.5	21
15	12"	1	11.5	21

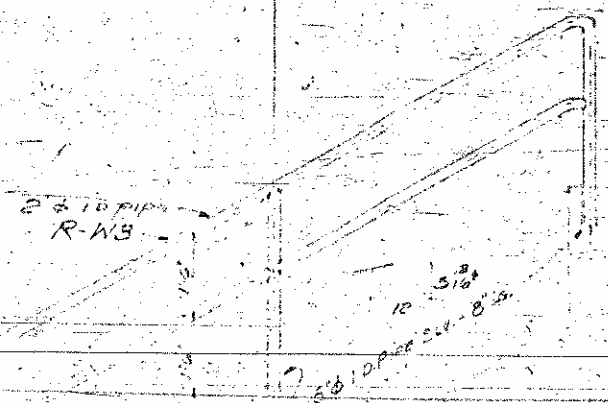
STATE OF NORTH CAROLINA
 STATE HIGHWAY AND
 PUBLIC WORKS COMMISSION

BENT #1 AND #2

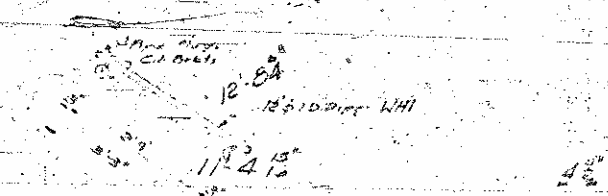
JAN. 1955

PLAN OF RAILS LEFT SIDE OF UNDER

5' 8 3/4" 6' 8 3/4"



Elev. 764.87



ELEVATION P-P

Elev. 758.55

ELEVATION 3-3

(For data not shown see P. 40)

Revisions shown on 30.6/1/51

2' x 10' PIPE

R-W3

2' x 10' PIPE

R-W3

ELEVATION C-C

18' 0" 6' 0" 6' 0"

R-W3

(For data not shown see P. 40)

Washer 2" x 10' 1/2" W1

Wedge Anchor Bolt 1/2" x 10' long AD1

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 147.9435

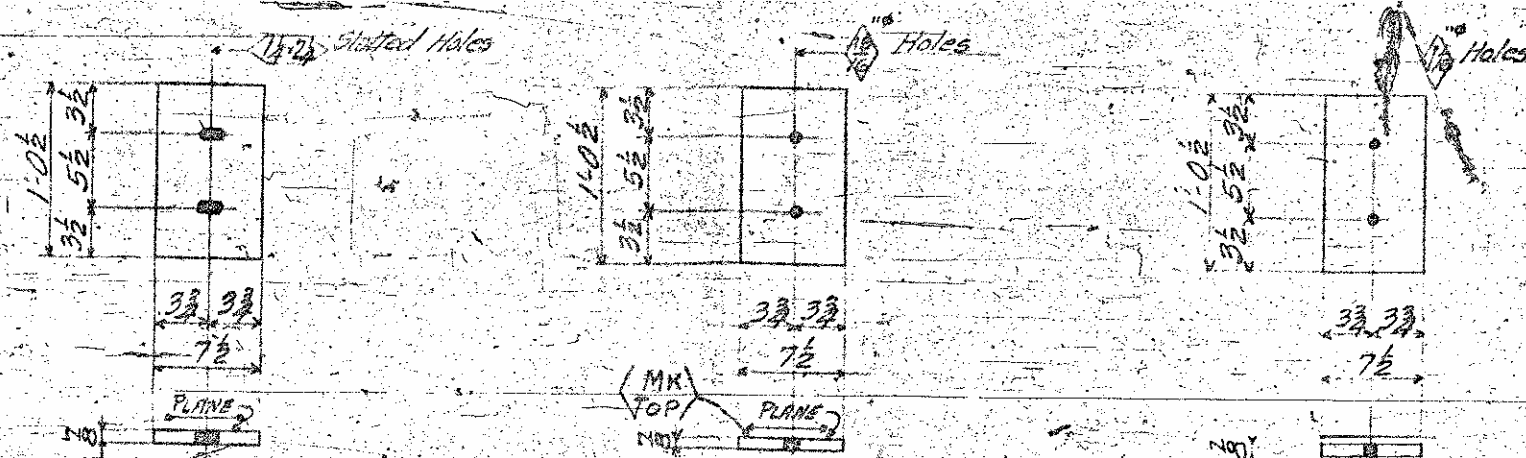
INSTALL A & B

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 ROOM POTTSTOWN, PENN.	
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 "P"
PAINT "P"

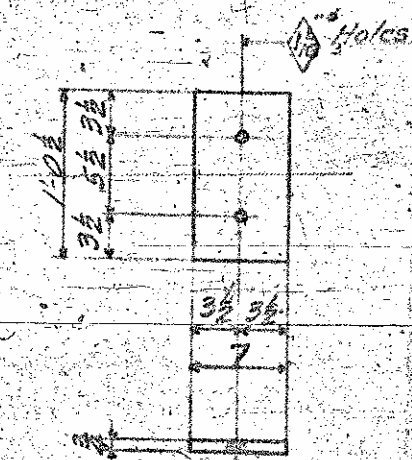
NO.	SHAPE	LENGTH	MARKS	REMARKS	WEIGHT	NO.	SHAPE	LENGTH	MARKS	REMARKS	WEIGHT
1	2" x 10"	10'				1	2" x 10"	10'			
2	2" x 10"	10'				2	2" x 10"	10'			
3	2" x 10"	10'				3	2" x 10"	10'			
4	2" x 10"	10'				4	2" x 10"	10'			
5	2" x 10"	10'				5	2" x 10"	10'			
6	2" x 10"	10'				6	2" x 10"	10'			
7	2" x 10"	10'				7	2" x 10"	10'			
8	2" x 10"	10'				8	2" x 10"	10'			
9	2" x 10"	10'				9	2" x 10"	10'			
10	2" x 10"	10'				10	2" x 10"	10'			
11	2" x 10"	10'				11	2" x 10"	10'			
12	2" x 10"	10'				12	2" x 10"	10'			
13	2" x 10"	10'				13	2" x 10"	10'			
14	2" x 10"	10'				14	2" x 10"	10'			
15	2" x 10"	10'				15	2" x 10"	10'			
16	2" x 10"	10'				16	2" x 10"	10'			
17	2" x 10"	10'				17	2" x 10"	10'			
18	2" x 10"	10'				18	2" x 10"	10'			
19	2" x 10"	10'				19	2" x 10"	10'			
20	2" x 10"	10'				20	2" x 10"	10'			
21	2" x 10"	10'				21	2" x 10"	10'			
22	2" x 10"	10'				22	2" x 10"	10'			
23	2" x 10"	10'				23	2" x 10"	10'			
24	2" x 10"	10'				24	2" x 10"	10'			
25	2" x 10"	10'				25	2" x 10"	10'			
26	2" x 10"	10'				26	2" x 10"	10'			
27	2" x 10"	10'				27	2" x 10"	10'			
28	2" x 10"	10'				28	2" x 10"	10'			
29	2" x 10"	10'				29	2" x 10"	10'			
30	2" x 10"	10'				30	2" x 10"	10'			
31	2" x 10"	10'				31	2" x 10"	10'			
32	2" x 10"	10'				32	2" x 10"	10'			
33	2" x 10"	10'				33	2" x 10"	10'			
34	2" x 10"	10'				34	2" x 10"	10'			
35	2" x 10"	10'				35	2" x 10"	10'			
36	2" x 10"	10'				36	2" x 10"	10'			
37	2" x 10"	10'				37	2" x 10"	10'			
38	2" x 10"	10'				38	2" x 10"	10'			
39	2" x 10"	10'				39	2" x 10"	10'			
40	2" x 10"	10'				40	2" x 10"	10'			
41	2" x 10"	10'				41	2" x 10"	10'			
42	2" x 10"	10'				42	2" x 10"	10'			
43	2" x 10"	10'				43	2" x 10"	10'			
44	2" x 10"	10'				44	2" x 10"	10'			
45	2" x 10"	10'				45	2" x 10"	10'			
46	2" x 10"	10'				46	2" x 10"	10'			
47	2" x 10"	10'				47	2" x 10"	10'			
48	2" x 10"	10'				48	2" x 10"	10'			
49	2" x 10"	10'				49	2" x 10"	10'			
50	2" x 10"	10'				50	2" x 10"	10'			
51	2" x 10"	10'				51	2" x 10"	10'			
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53	2" x 10"	10'				53	2" x 10"	10'			
54	2" x 10"	10'				54	2" x 10"	10'			
55	2" x 10"	10'				55	2" x 10"	10'			
56	2" x 10"	10'				56	2" x 10"	10'			
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59	2" x 10"	10'				59	2" x 10"	10'			
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64	2" x 10"	10'				64	2" x 10"	10'			
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70	2" x 10"	10'				70	2" x 10"	10'			
71	2" x 10"	10'				71	2" x 10"	10'			
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75	2" x 10"	10'				75	2" x 10"	10'			
76	2" x 10"	10'				76	2" x 10"	10'			
77	2" x 10"	10'				77	2" x 10"	10'			
78	2" x 10"	10'				78	2" x 10"	10'			
79	2" x 10"	10'				79	2" x 10"	10'			
80	2" x 10"	10'				80	2" x 10"	10'			
81	2" x 10"	10'				81	2" x 10"	10'			
82	2" x 10"	10'				82	2" x 10"	10'			
83	2" x 10"	10'				83	2" x 10"	10'			
84	2" x 10"	10'				84	2" x 10"	10'			
85	2" x 10"	10'				85	2" x 10"	10'			
86	2" x 10"	10'				86	2" x 10"	10'			
87	2" x 10"	10'				87	2" x 10"	10'			
88	2" x 10"	10'				88	2" x 10"	10'			
89	2" x 10"	10'				89	2" x 10"	10'			
90	2" x 10"	10'				90	2" x 10"	10'			
91	2" x 10"	10'				91	2" x 10"	10'			
92	2" x 10"	10'				92	2" x 10"	10'			
93	2" x 10"	10'				93	2" x 10"	10'			
94	2" x 10"	10'				94	2" x 10"	10'			
95	2" x 10"	10'				95	2" x 10"	10'			
96	2" x 10"	10'				96	2" x 10"	10'			
97	2" x 10"	10'				97	2" x 10"	10'			
98	2" x 10"	10'				98	2" x 10"	10'			
99	2" x 10"	10'				99	2" x 10"	10'			
100	2" x 10"	10'				100	2" x 10"	10'			



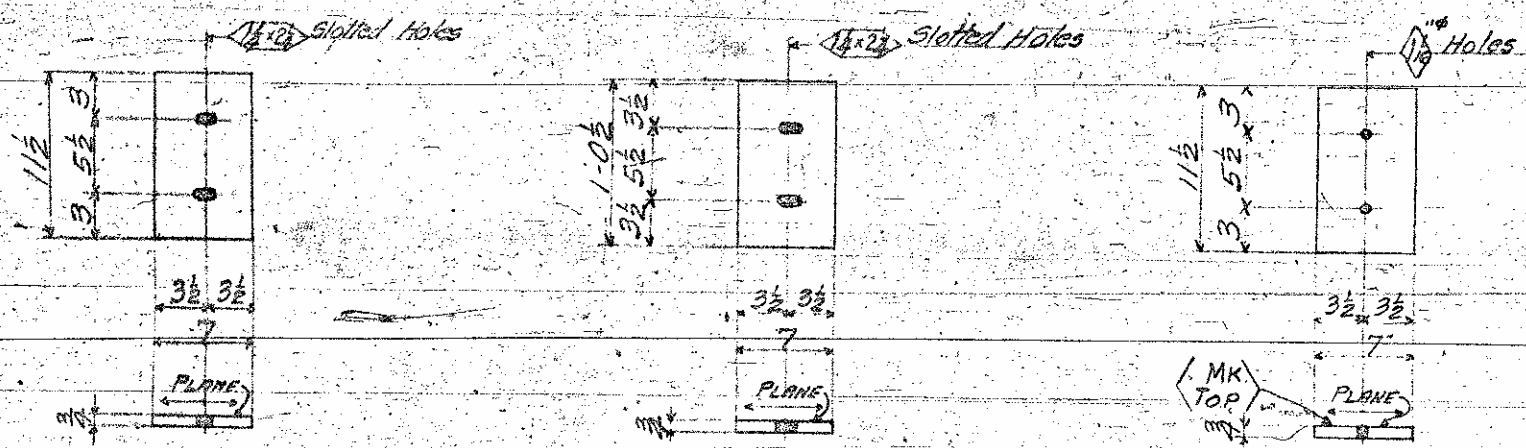
BEARING PL 12 1/2 x 3 x 0 7/8 BP1 (P15) (3)

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 MP3 (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 LIST			
A	B	C	D	REQD	DESCRIPTION	MATERIAL	REMARKS
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	

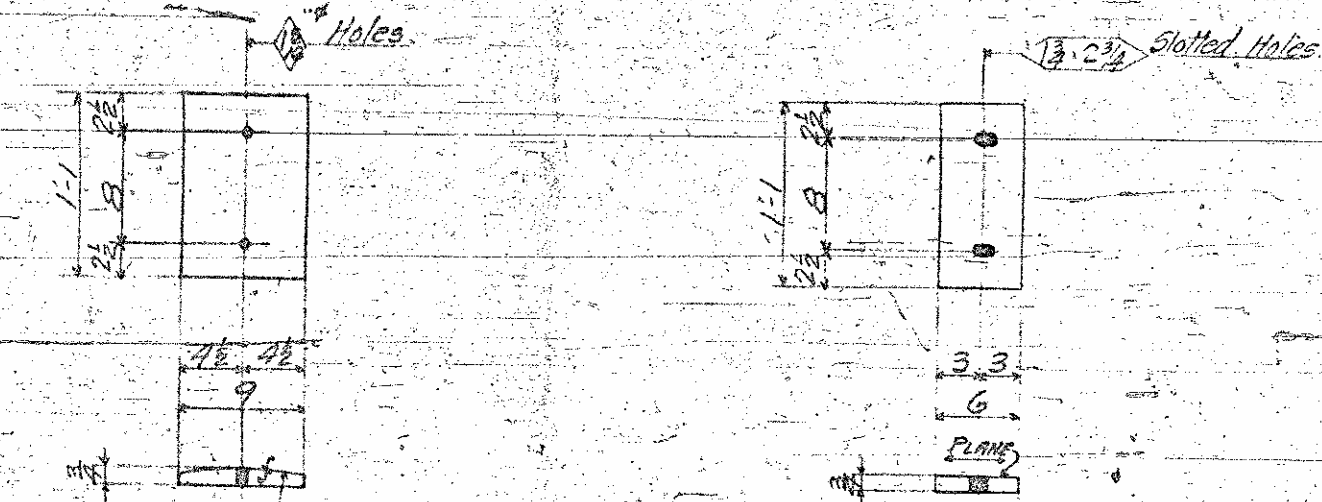
INSTALL A. RIGHT LANE STA 147+94.35

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

GRADE None

REMARKS As Noted

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

WELDING None

SHOP CONTACT (SHED) None

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

PROJECT No. 528A Davidson Co. Part 2

NORTH CAROLINA STATE HIGH BRIDGES

DAYTON STEEL COMPANY

FABRICATED STEEL CONSTRUCTION

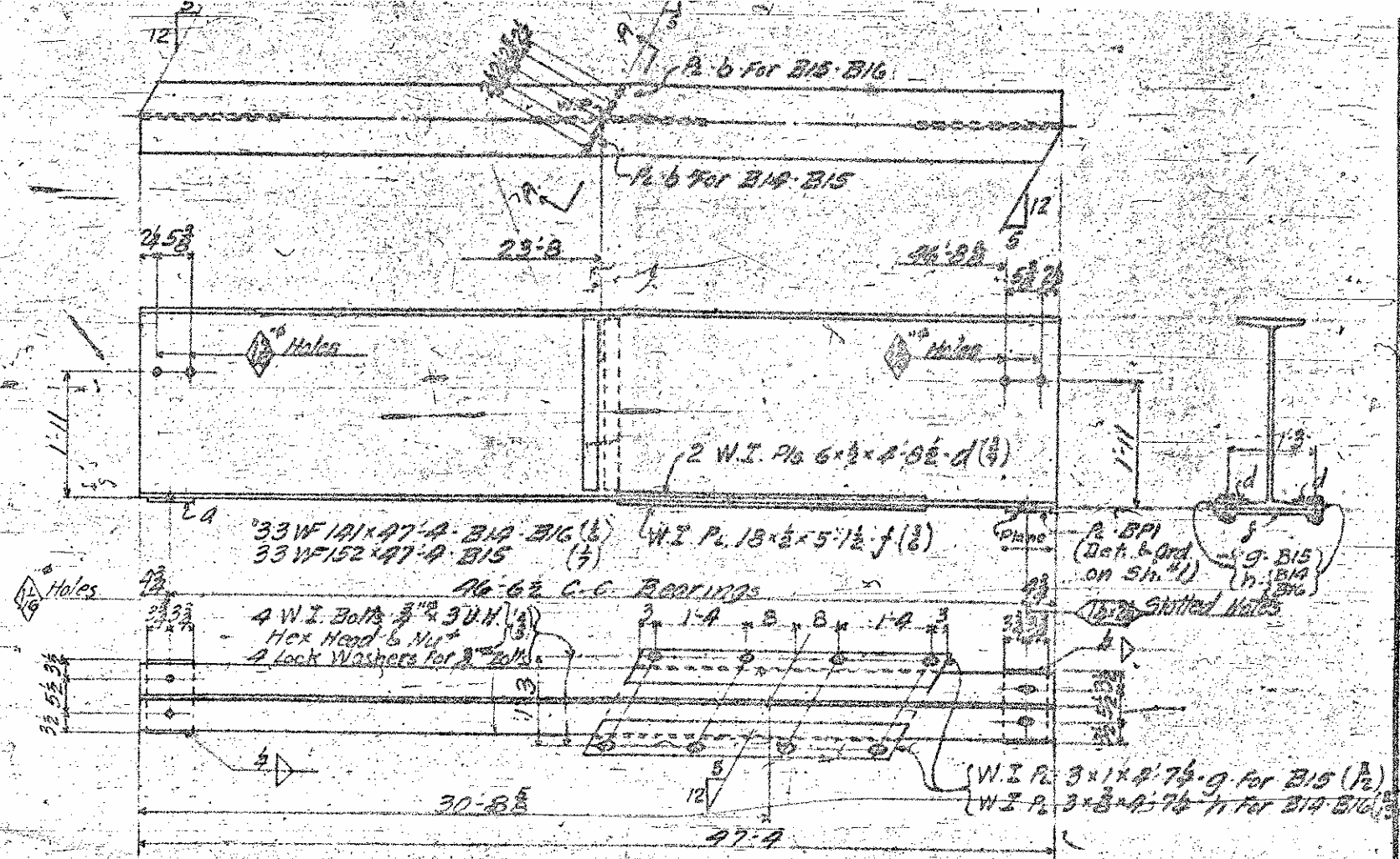
FOOTSTOWN CRAFTING ROOM FOOTSTOWN, PA.

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

BEAMS #14 #15 & #16
30 Lin. Inches of $\frac{1}{2}$ " Fillet Weld
29 Lin. Inches of $\frac{1}{2}$ " Weld For #14, #15
57 Lin. Inches of $\frac{1}{2}$ " Weld #16

[illegible]

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

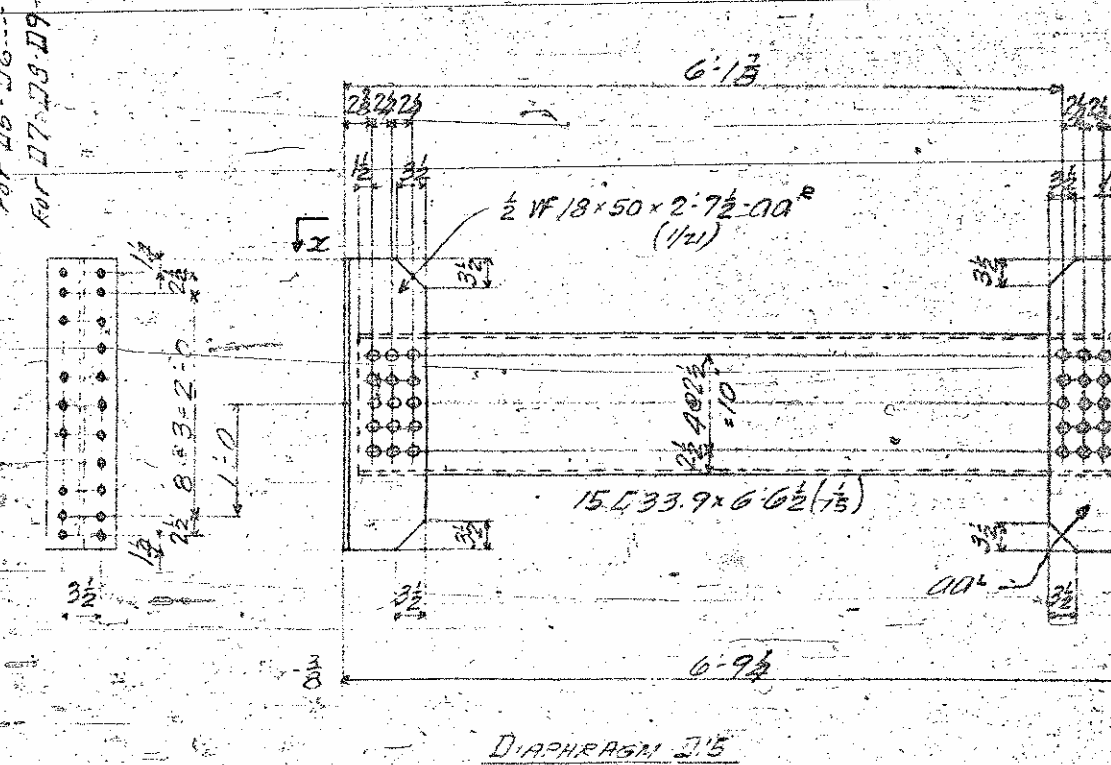
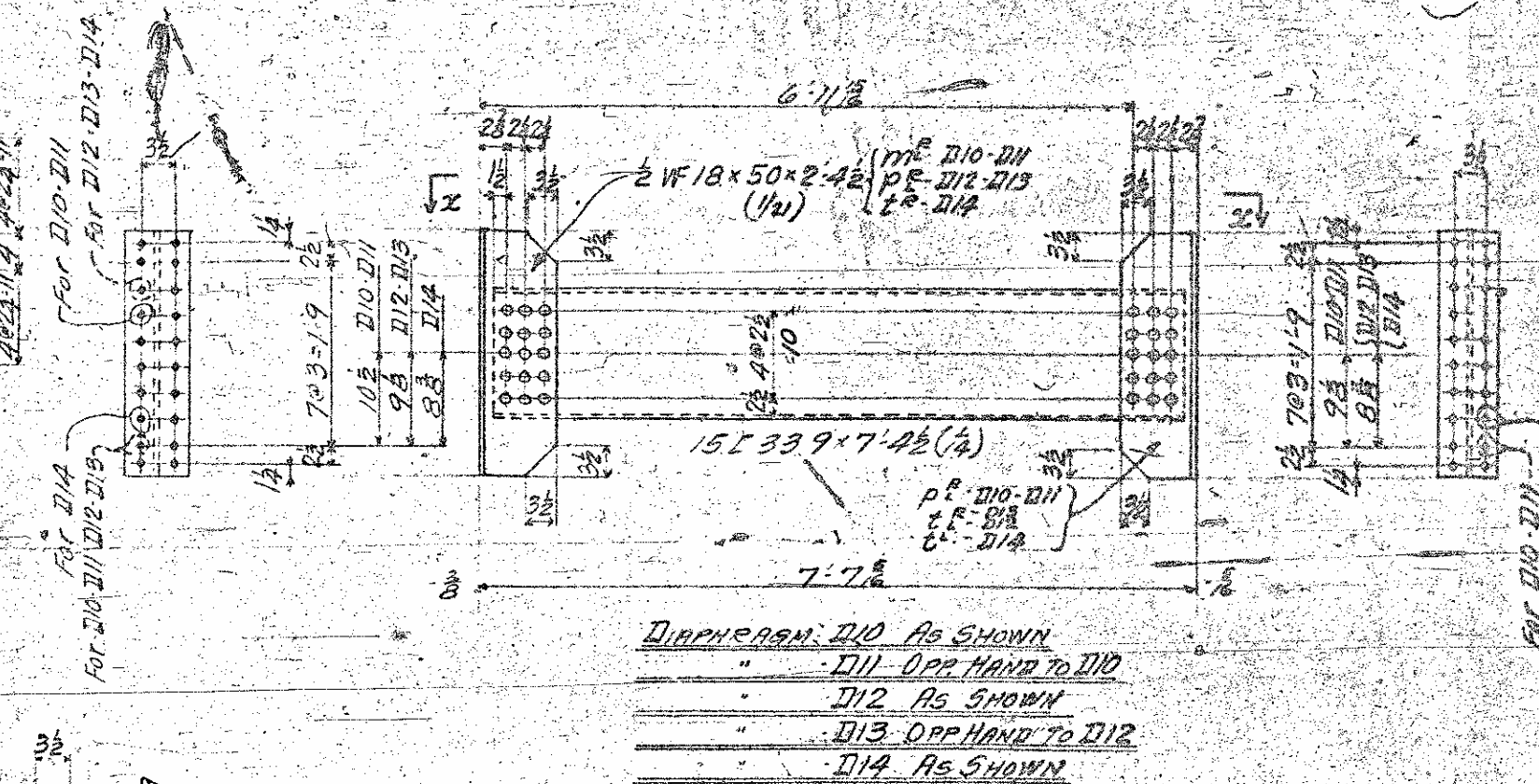
INSTALLMENT A. & B.

SWITCHES None
OPER. MODES As Noted
FIBERS None
DRAWING As Noted
PRINT One Coat Red Lead
(Red Sp. 17-E-1914)
WEATHER As Noted
ONOP CONTACT SURFACES No Paint

TEMP.	CLUST. W.F. BRINKLEY CONST. CO. INC.
SUPT.	
LAYOUT	
FITTER	PROJECT NO. 5294 DAVIDSON CO. BRIDGE
SHOP SUPER	NORTH CAROLINA STATE HWY. BRIDGE
PL. USE	
D. SIZES	ENTWISLER STEEL COMPANY
WELD.	FABRICATED STEEL CONSTRUCTION
ELECT.	POTTSTOWN DRAFTING ROOM POTTSVILLE WORKS
D. DESIG.	

IN CHARGE C. C. B. MADE BY P. J. B. 8/8/50
 CHECKED BY Stahl 449 TOLDED BY _____
 REVISED _____ LAST ORDER REC. _____

SHOP NO. 2 CONTRACT CJ 2029 SHEET (3)



INSTALLMENT				REQUIRED LIST			
A	B	C	D	READ	DESCRIPTION	DATE	REMARKS
3	3			6	DIAPHRAGMS	7/1	As shown
3	3			6	do	7/2	As shown
3	3			6	do	7/3	As shown
3	3			6	do	7/4	As shown
	2			2	do	7/5	As shown
	2			2	do	7/6	As shown
	2			2	do	7/7	As shown
	2			2	do	7/8	As shown
	2			2	do	7/9	As shown
	2			2	do	7/10	As shown
	2			2	do	7/11	As shown
	2			2	do	7/12	As shown
	2			2	do	7/13	As shown
	2			2	do	7/14	As shown
	2			2	do	7/15	As shown
	32			32	do	7/16	As shown

8 INSTALL RIGHT LANE STR 14719A3
" VB LEFT " " "
" C-STR 136427 "
" D - " - 2+93.1

INSTALLMENTS A.B.C. & I

INVERTS 3rd
OPEN HOLES 1/8
SEAM None
SHILLING None
PAINT One Coat. Red Lead
Vred. Spec. T.R. 194
WELDING None
SHOP CONTACT SURFACE No Pain

STENO	CUST: W.F. BRINKLEY CONCRETE CO. INC.
SUPT	PROJECT NO. 5200A DUNDAS RD. PROJ.
LABOUR	MARTIN CROWLING & SONS TRUCK REPAIR
PAVING	CEMENTATION WORK COMPANY
CONCRETE	INDUSTRIAL TRAIL CONCRETE
FINISH	POTTSTOWN DRAINAGE & CONSTRUCTION WORK
INS. CO.	IN CHARGE L.C.B. DATE 11/12/73 9/9/74
INS. AGENT	CHECKED BY J.M.B. DATED BY
INS. CO. NO.	REVISED LAST ORDER NO.
INS. AGENT NO.	
INS. CO. NAME	
INS. AGENT NAME	
INS. CO. ADDRESS	
INS. AGENT ADDRESS	
INS. CO. PHONE	
INS. AGENT PHONE	
INS. CO. CITY	
INS. AGENT CITY	
INS. CO. STATE	
INS. AGENT STATE	
INS. CO. ZIP	
INS. AGENT ZIP	
INS. CO. FAX	
INS. AGENT FAX	
INS. CO. E-MAIL	
INS. AGENT E-MAIL	
INS. CO. WEBSITE	
INS. AGENT WEBSITE	
INS. CO. OTHER	
INS. AGENT OTHER	
INS. CO. COMMENTS	
INS. AGENT COMMENTS	
INS. CO. SIGNATURE	
INS. AGENT SIGNATURE	
INS. CO. DATE	
INS. AGENT DATE	
INS. CO. TIME	
INS. AGENT TIME	
INS. CO. LOCATION	
INS. AGENT LOCATION	
INS. CO. PROJECT	
INS. AGENT PROJECT	
INS. CO. DRAWING	
INS. AGENT DRAWING	
INS. CO. SPECIFICATION	
INS. AGENT SPECIFICATION	
INS. CO. MATERIAL	
INS. AGENT MATERIAL	
INS. CO. EQUIPMENT	
INS. AGENT EQUIPMENT	
INS. CO. PERSONNEL	
INS. AGENT PERSONNEL	
INS. CO. VEHICLE	
INS. AGENT VEHICLE	
INS. CO. TOOLS	
INS. AGENT TOOLS	
INS. CO. SAFETY	
INS. AGENT SAFETY	
INS. CO. ENVIRONMENT	
INS. AGENT ENVIRONMENT	
INS. CO. WEATHER	
INS. AGENT WEATHER	
INS. CO. SOIL	
INS. AGENT SOIL	
INS. CO. ROCK	
INS. AGENT ROCK	
INS. CO. VEGETATION	
INS. AGENT VEGETATION	
INS. CO. ADJACENT PROPERTIES	
INS. AGENT ADJACENT PROPERTIES	
INS. CO. UTILITIES	
INS. AGENT UTILITIES	
INS. CO. OBSTRUCTIONS	
INS. AGENT OBSTRUCTIONS	
INS. CO. ACCESS	
INS. AGENT ACCESS	
INS. CO. PAVEMENT	
INS. AGENT PAVEMENT	
INS. CO. DRAINAGE	
INS. AGENT DRAINAGE	
INS. CO. EROSION	
INS. AGENT EROSION	
INS. CO. SEDIMENT	
INS. AGENT SEDIMENT	
INS. CO. POLLUTION	
INS. AGENT POLLUTION	
INS. CO. NOISE	
INS. AGENT NOISE	
INS. CO. VIBRATION	
INS. AGENT VIBRATION	
INS. CO. AIR QUALITY	
INS. AGENT AIR QUALITY	
INS. CO. WATER QUALITY	
INS. AGENT WATER QUALITY	
INS. CO. CLIMATE	
INS. AGENT CLIMATE	
INS. CO. SEASON	
INS. AGENT SEASON	
INS. CO. MONTH	
INS. AGENT MONTH	
INS. CO. DAY	
INS. AGENT DAY	
INS. CO. YEAR	
INS. AGENT YEAR	
INS. CO. TIME OF DAY	
INS. AGENT TIME OF DAY	
INS. CO. DURATION	
INS. AGENT DURATION	
INS. CO. FREQUENCY	
INS. AGENT FREQUENCY	
INS. CO. AMPLITUDE	
INS. AGENT AMPLITUDE	
INS. CO. PHASE	
INS. AGENT PHASE	
INS. CO. PERIOD	
INS. AGENT PERIOD	
INS. CO. WAVELENGTH	
INS. AGENT WAVELENGTH	
INS. CO. FREQUENCY	
INS. AGENT FREQUENCY	
INS. CO. AMPLITUDE	
INS. AGENT AMPLITUDE	
INS. CO. PHASE	
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INS. AGENT PHASE	
INS. CO. PERIOD	
INS. AGENT PERIOD	
INS. CO	