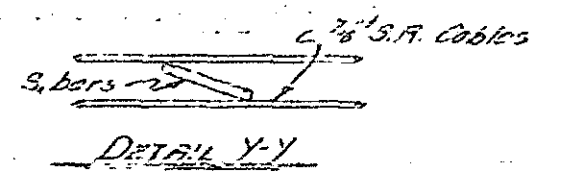
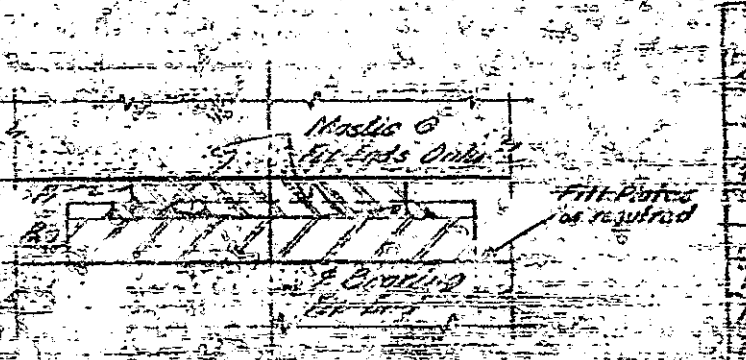
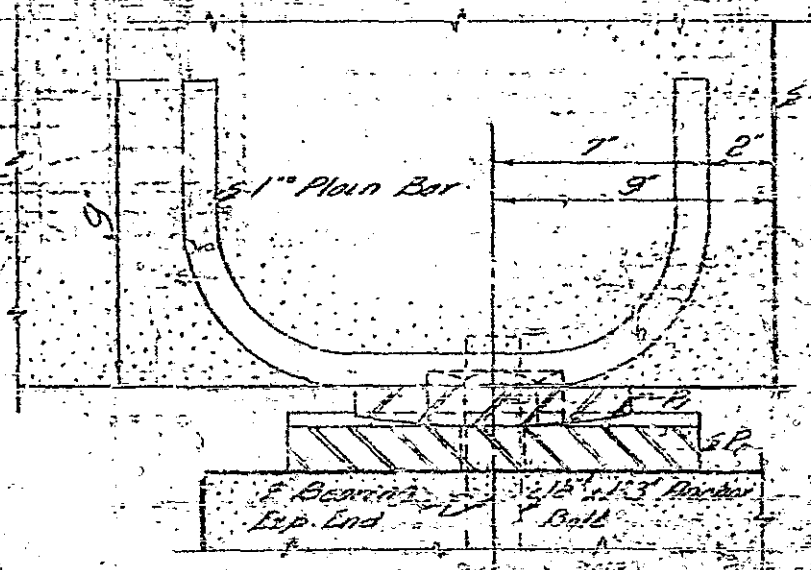
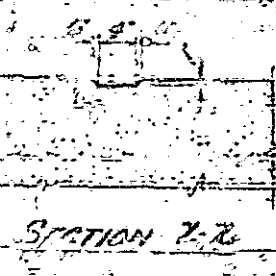
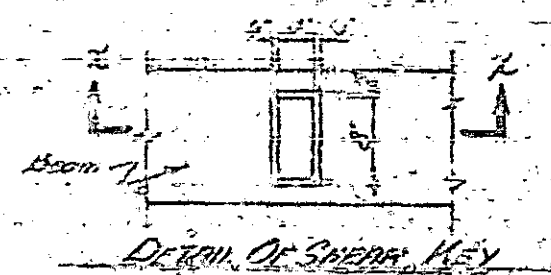
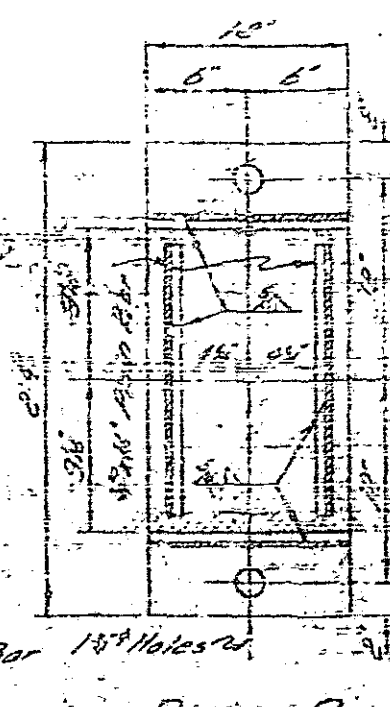
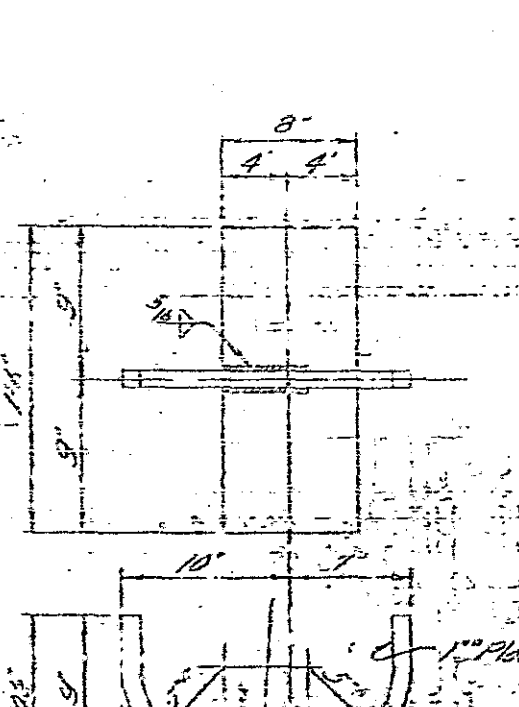
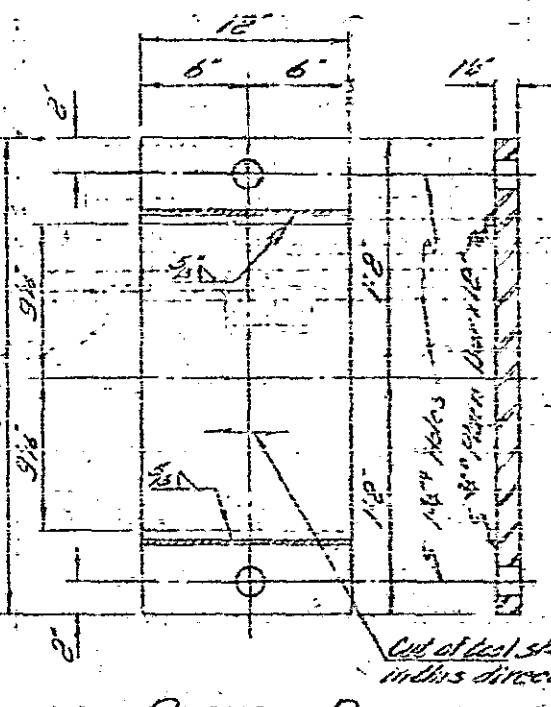
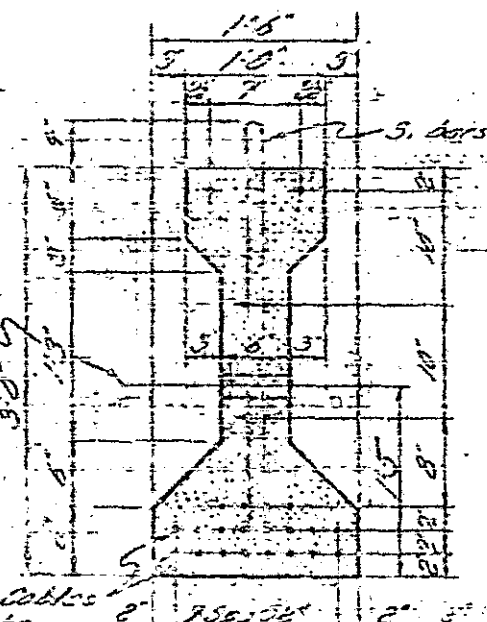
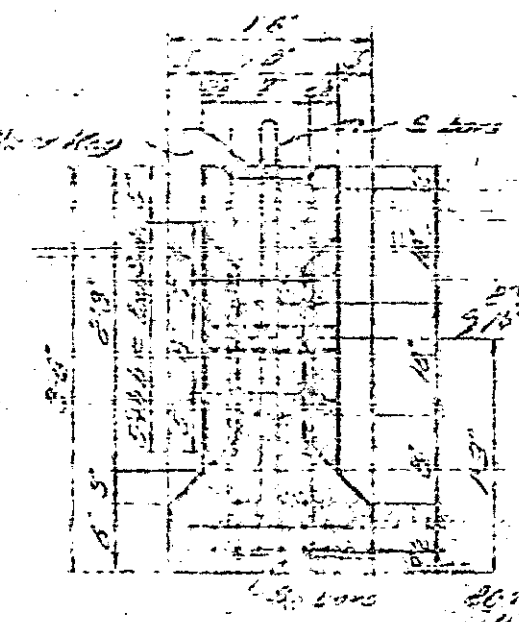


BAR TYPES
All dimensions are out to out of bars

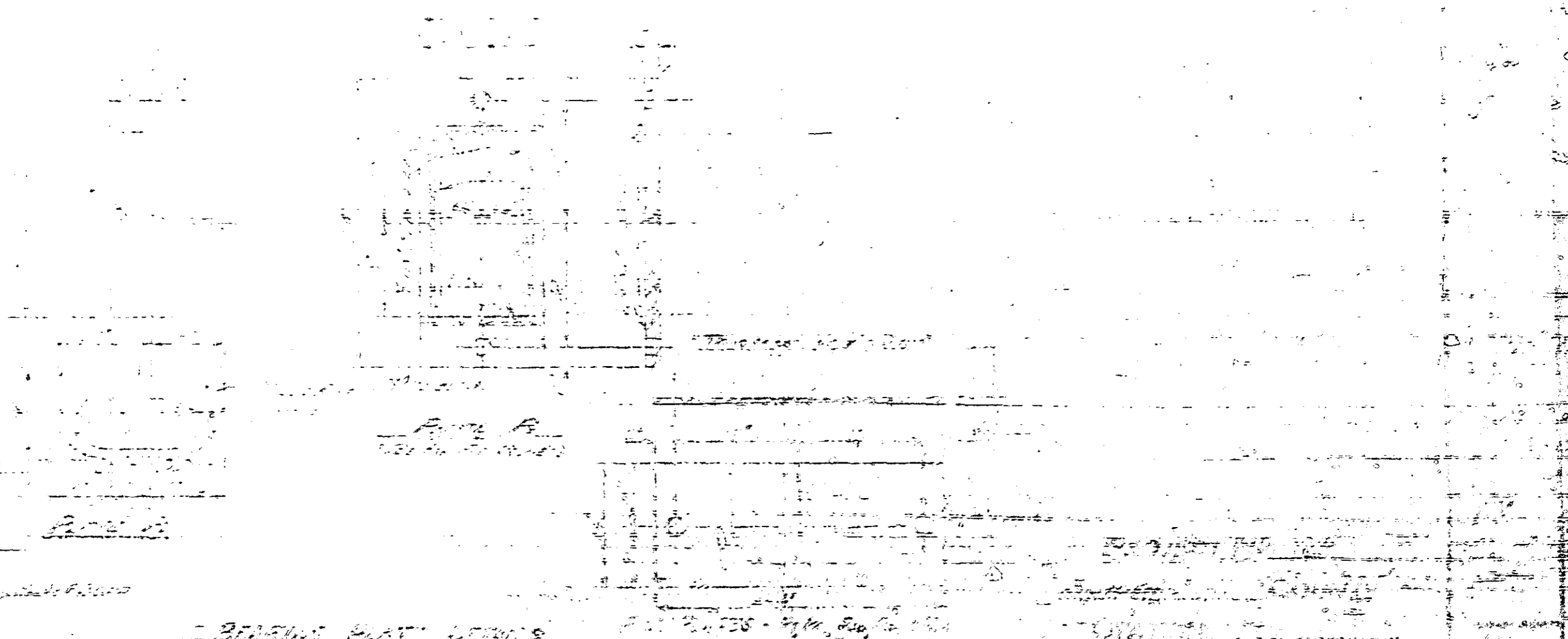


PART ELEVATION



7/8 S.F.
5/8 S.F.
3/8 S.F.
1" S.F.
1 1/2" S.F.
2" S.F.
2 1/2" S.F.
3" S.F.
3 1/2" S.F.
4" S.F.
4 1/2" S.F.
5" S.F.
5 1/2" S.F.
6" S.F.
6 1/2" S.F.
7" S.F.
7 1/2" S.F.
8" S.F.
8 1/2" S.F.
9" S.F.
9 1/2" S.F.
10" S.F.

Copied 6/10/90



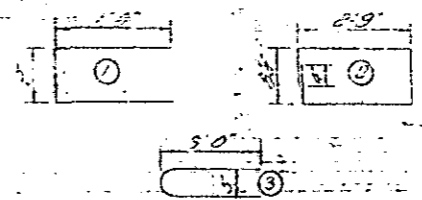
1. 100' x 100' (100' x 100')
 2. 100' x 100' (100' x 100')
 3. 100' x 100' (100' x 100')
 4. 100' x 100' (100' x 100')
 5. 100' x 100' (100' x 100')
 6. 100' x 100' (100' x 100')
 7. 100' x 100' (100' x 100')
 8. 100' x 100' (100' x 100')
 9. 100' x 100' (100' x 100')
 10. 100' x 100' (100' x 100')

NO.	DESCRIPTION	AMOUNT
1
2
3
4
5
6
7
8
9
10

STATE HIGHWAY AND
 PUBLIC WORKS COMMISSION
 ...
 ...
 ...

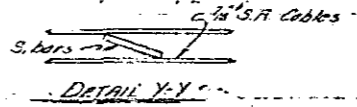
Bar No.	Size	Length	Quantity	Weight
1	1/2"	7' 0"	17	27
2	3/4"	8' 0"	14	144
3	1"	7' 0"	22	22
Reinforcing Steel				123 lbs
Class II Concrete				52 cu yds
#5 S.P. Cables				10 yds

28 BEAMS REQUIRED



BAR TYPES

Dimensions are out to out of bars

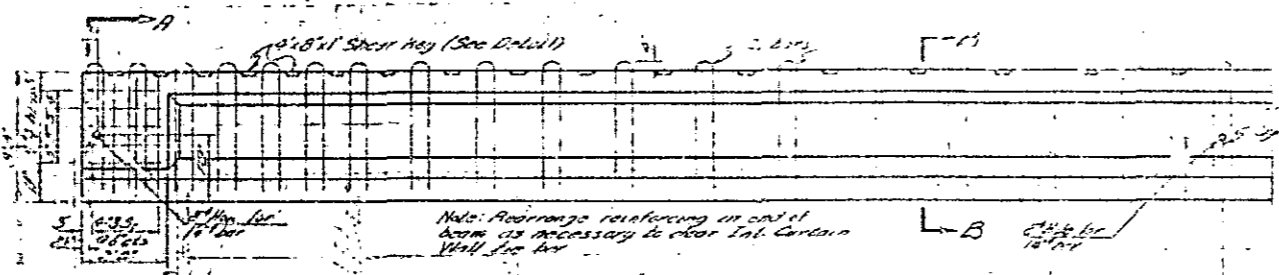
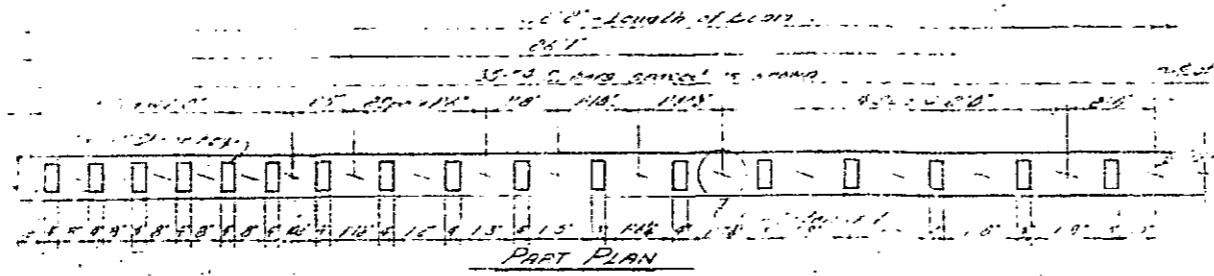


The beams shall be installed in an upright position and must be picked up from points with solid bearing blocks of the beam and designed of this member and any other member.

Bearing plates and bolts will not be used in this member. They shall be included in the design of the member.

Bearing plates and bolts will not be used in this member. They shall be included in the design of the member.

Bearing plates and bolts will not be used in this member. They shall be included in the design of the member.



Note: Tie 5/8\"/>

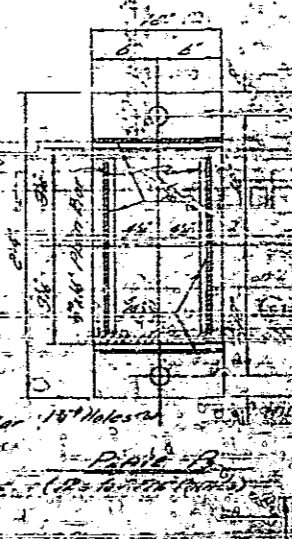
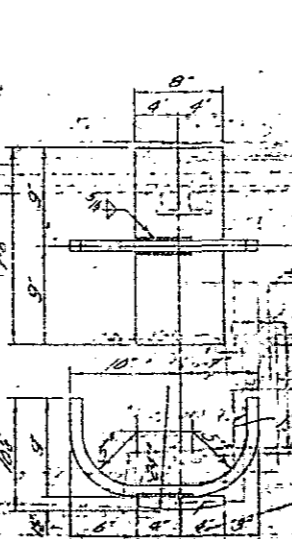
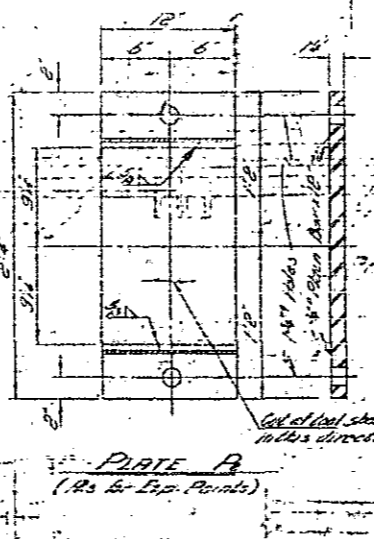
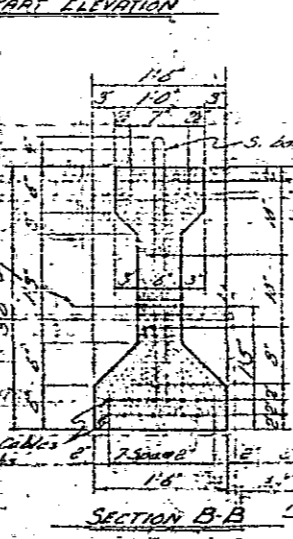
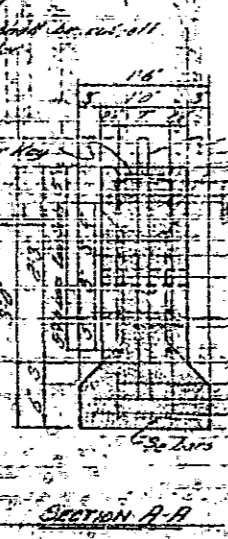


PLATE A
(As for Exp. Points)

PLATE B
(As for Exp. Points)

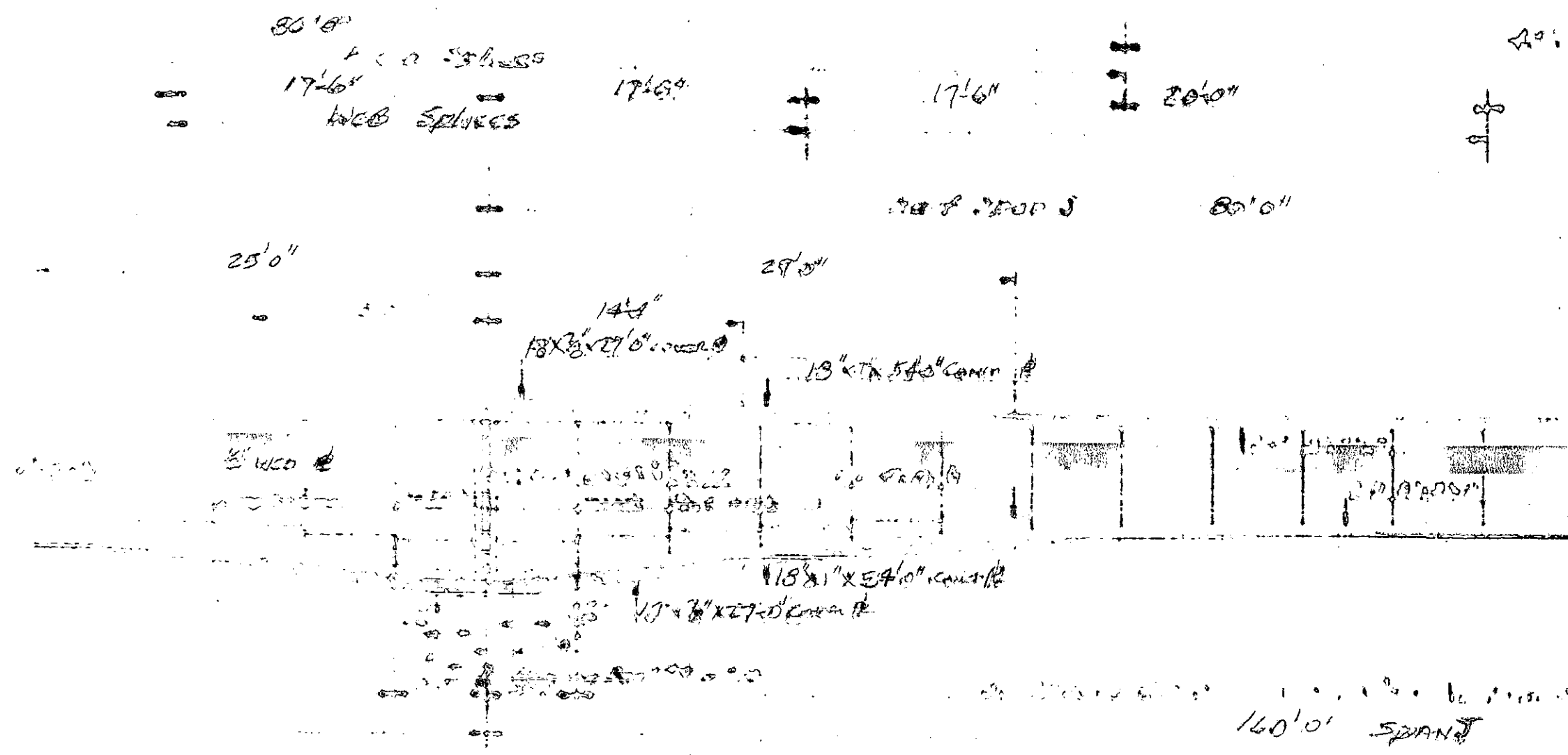
PLATE A

BEARING PLATE DETAILS

PROJECT NO. 3183
COUNTY
NORTH CAROLINA
HIGHWAY AND
PARKS COMMISSION
STRUCTURE
1966

PROJECT
STATE
PUBLIC

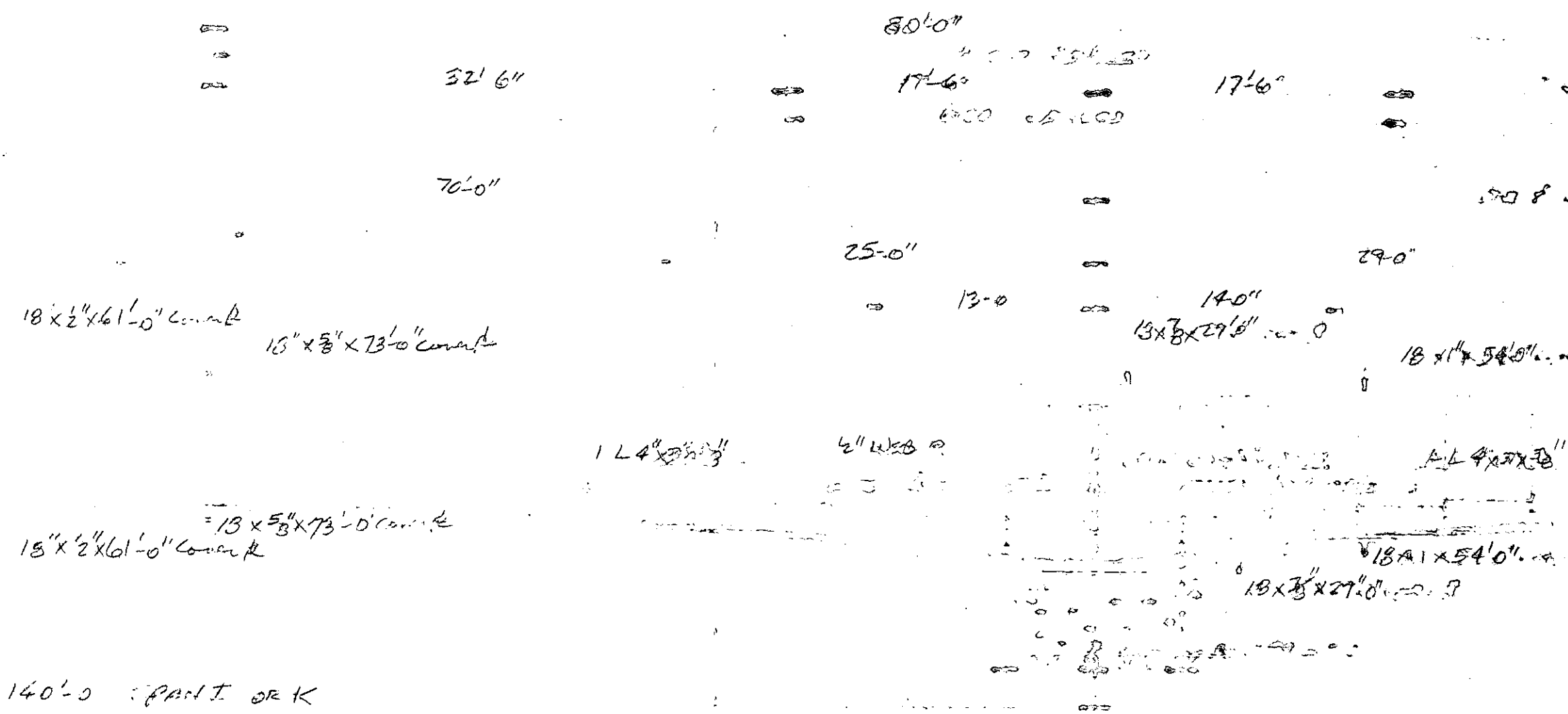
HALF PLAN



HALF PLAN

HALE PLAN

8800 20 21 8800 20 21 8800 20 21 8800 20 21



HALE PLAN

140'0" SPAN ORK

35'0"

70'0"

55'0"

56'0"

70'0"

37'0"

31'6"

25'0"

36'0"

29'6"

20'0"

18'x1/2"x45'0" COVER PL

18'x1/2"x33'0" COVER PL

2 L5.8x3x1"

2 L5.8x3x1"

18'x1/2"x45'0" COVER PL

18'x1/2"x61'0" COVER PL

140'0" SPAN ORK

1/2" WEB #

1/2" WEB #

1/2" WEB #

1/2" WEB #

1/2" WEB #

1/2" WEB #

1/2" WEB #

1/2" WEB #

1/2" WEB #

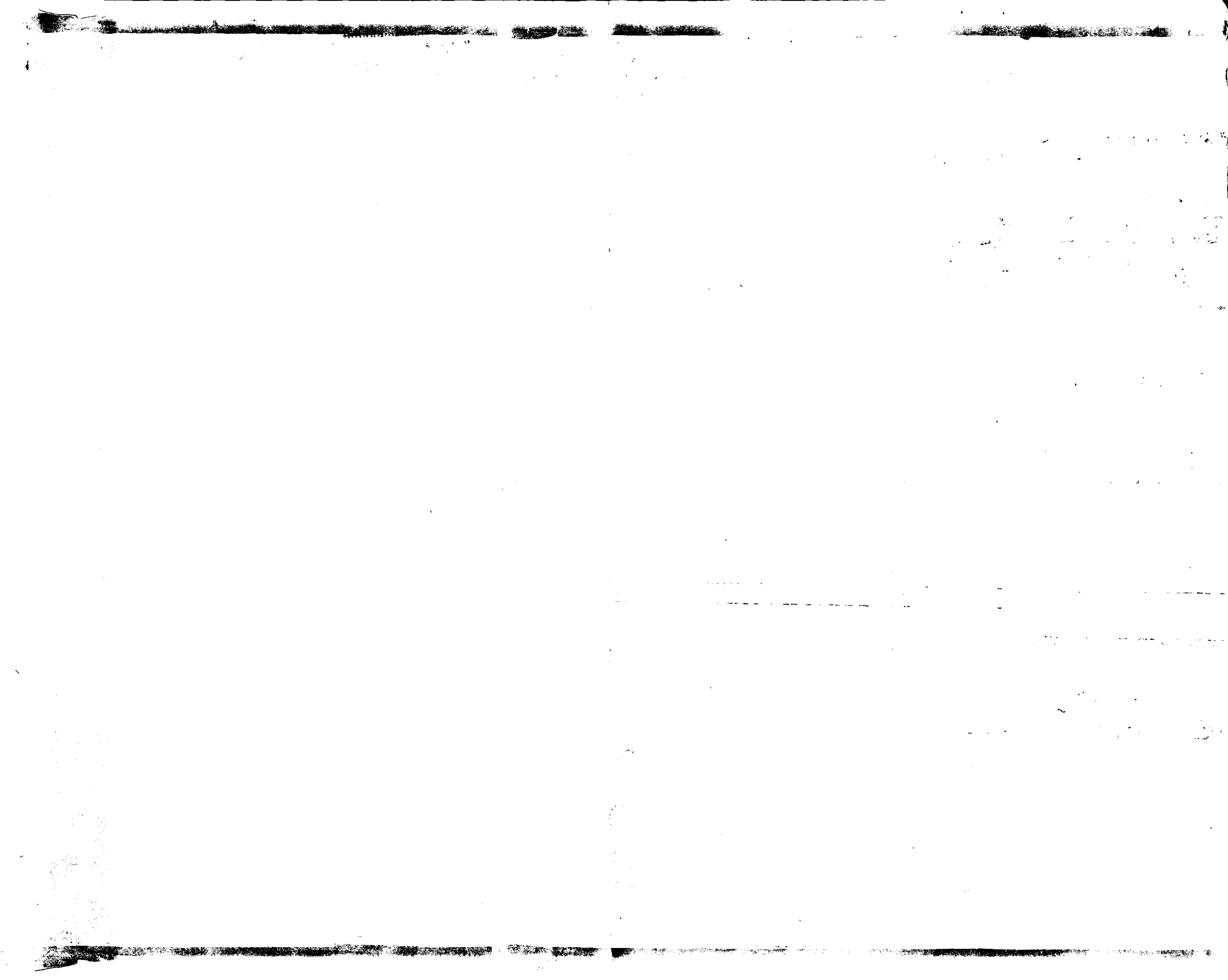
1/2" WEB #

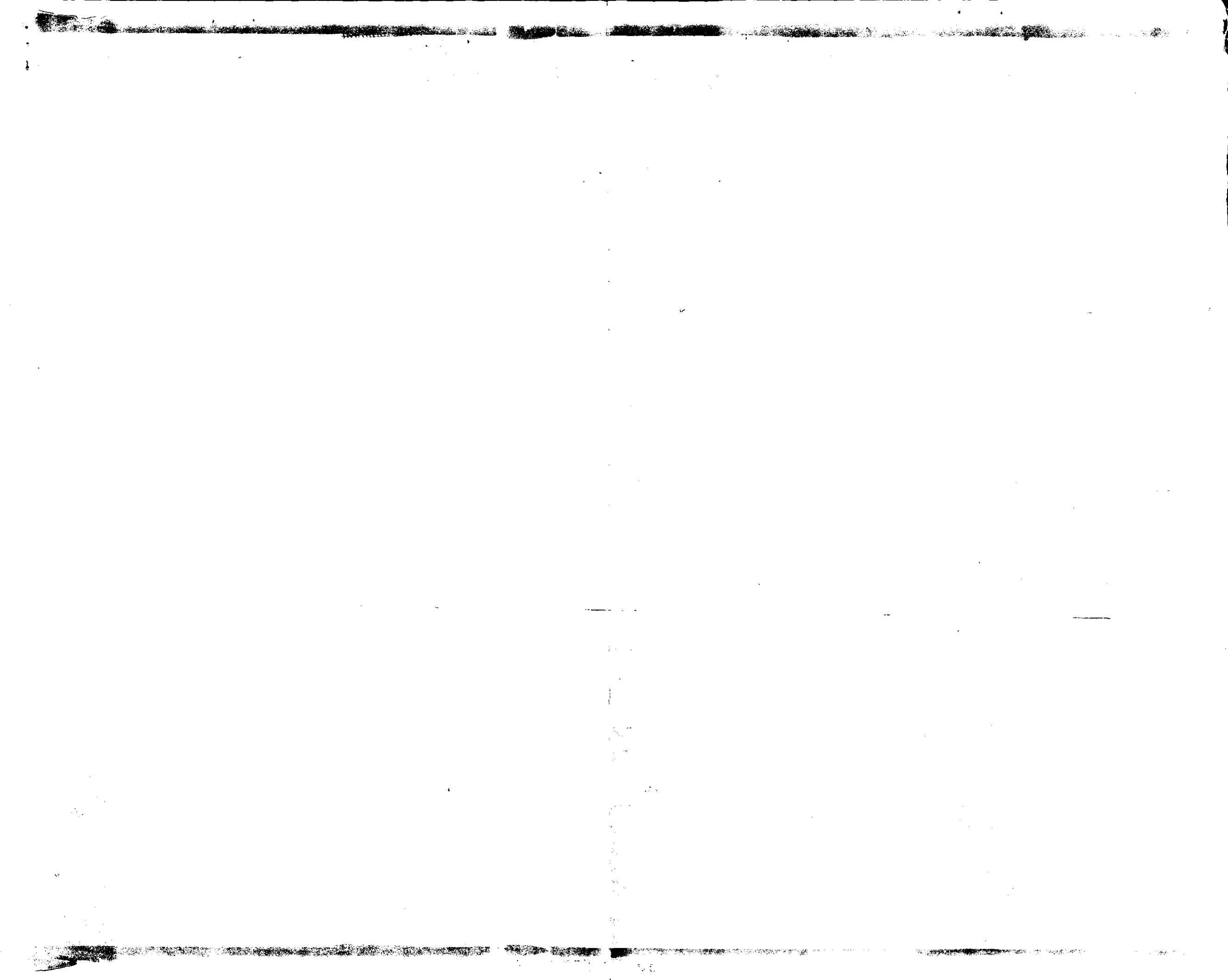
1/2" WEB #

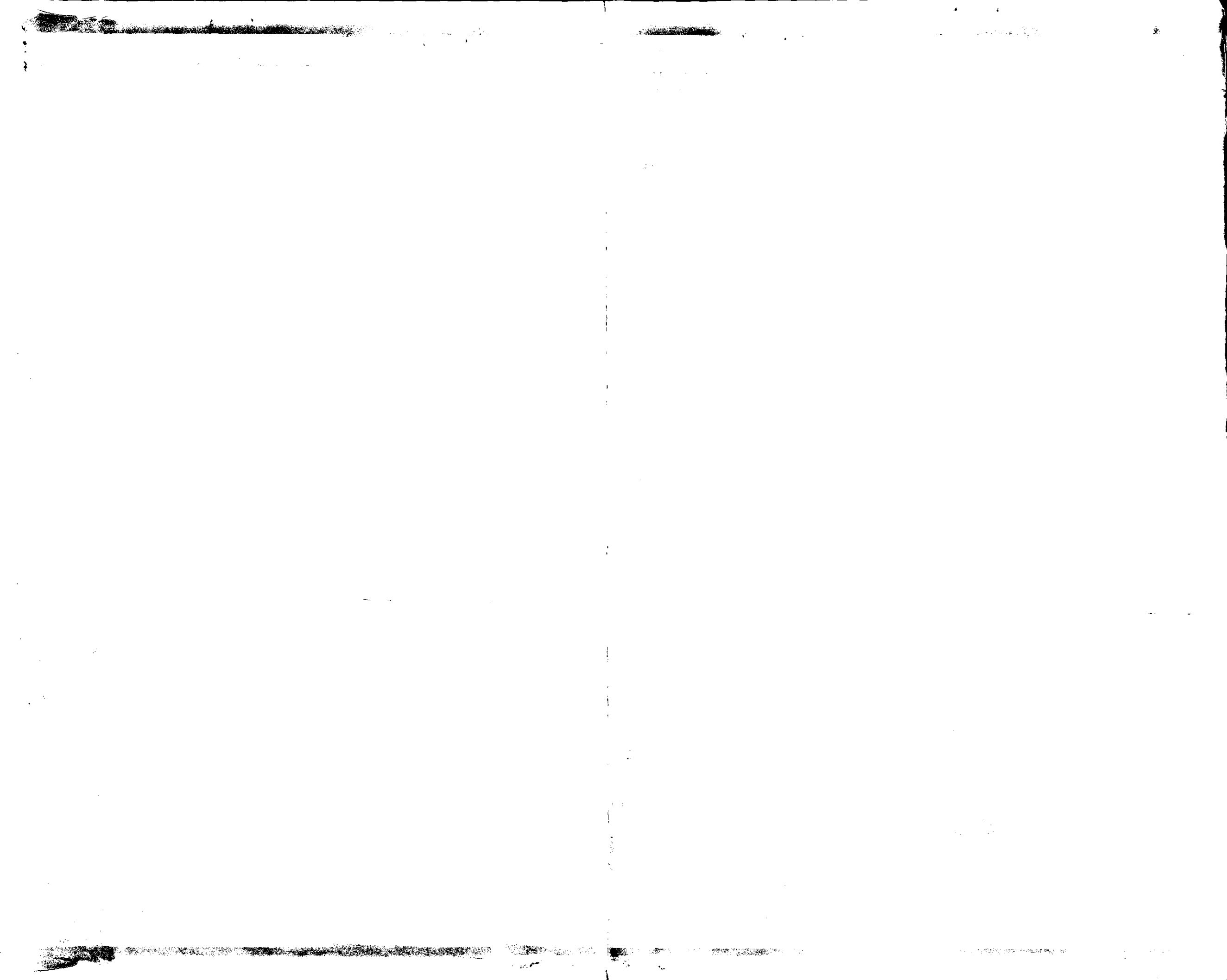
1/2" WEB #

1/2" WEB #

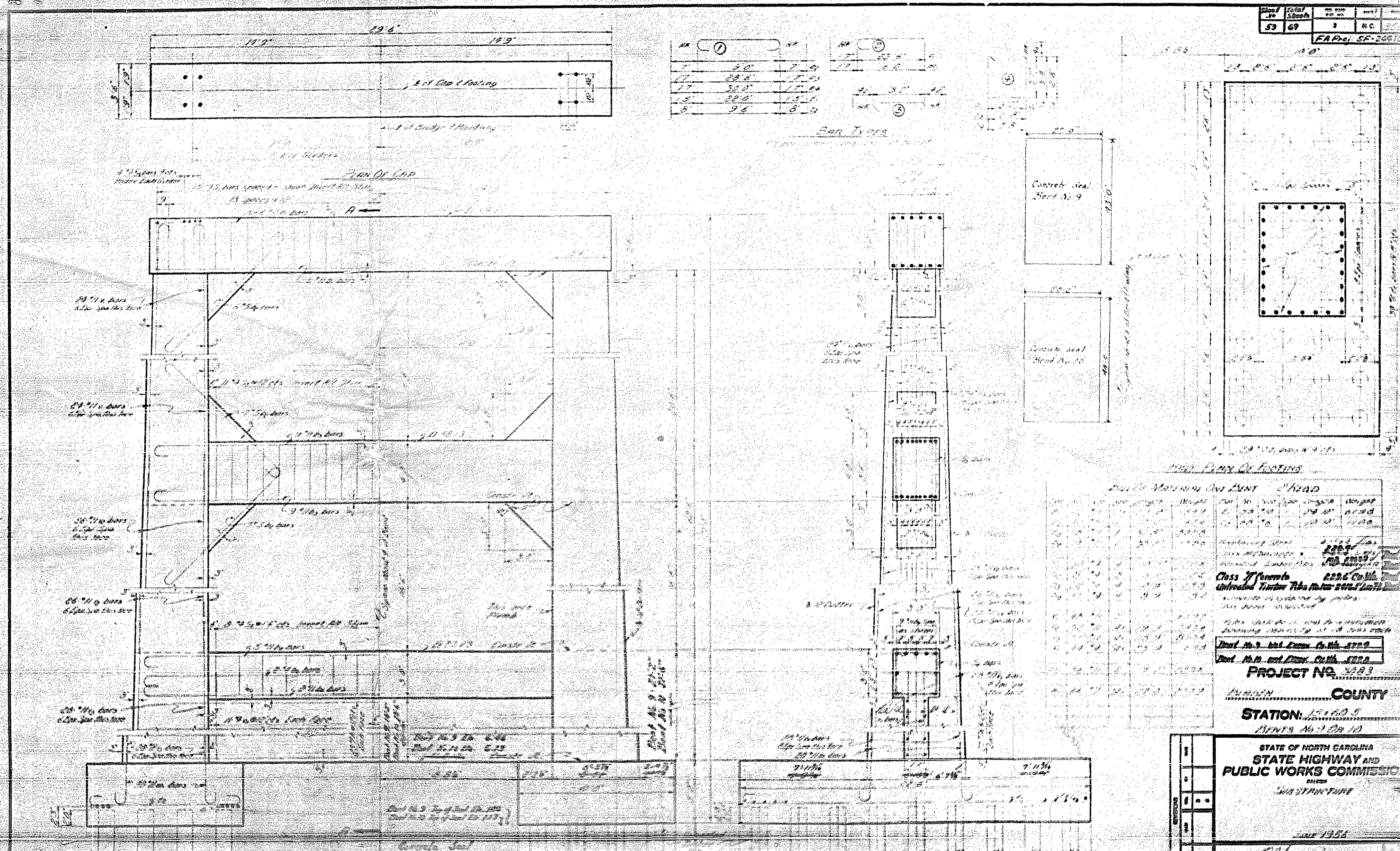
1/2" WEB #







SCALE: 1" = 10'-0" (VERTICAL) 1" = 20'-0" (HORIZONTAL)



Sheet No.	Total Sheets	Scale	Notes
53	69	3	N.C.

FA Proj. SF-20910

Material Schedule

Item	Quantity	Unit	Remarks
Concrete Deck	1000	cu yd	
Reinforcing Steel	1000	lb	
Formwork	1000	sq ft	

Class of Materials
 Unbraced Timber Pile
 Class of Materials
 Unbraced Timber Pile
 Class of Materials

Project Information
 PROJECT NO. 2083
 COUNTY
 STATION: 15+00.5
 15+00.5 to 15+00.10

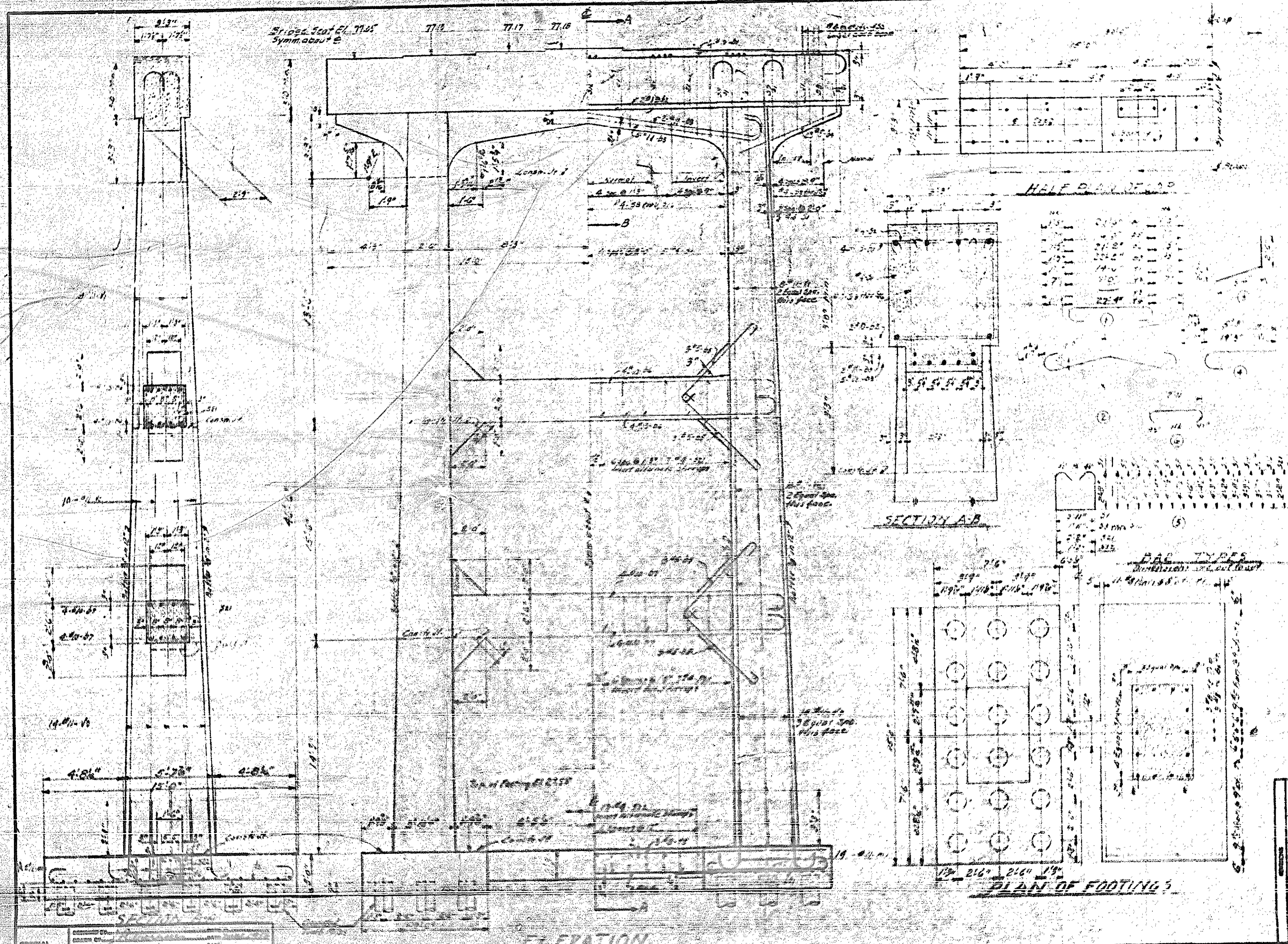
STATE OF NORTH CAROLINA
 STATE HIGHWAY AND
 PUBLIC WORKS COMMISSION
 DIVISION
 STATE ENGINEER

JULY 1954

APPROVED BY: [Signature]
 STATE ENGINEER

SPECIAL INSTRUCTIONS TO CONTRACTOR

SEAL AND SIGNATURE OF DESIGNER



Sheet No. 69
 Date 6/12/56
 Scale 1/4" = 1'-0"

BENT

BILL OF MATERIAL

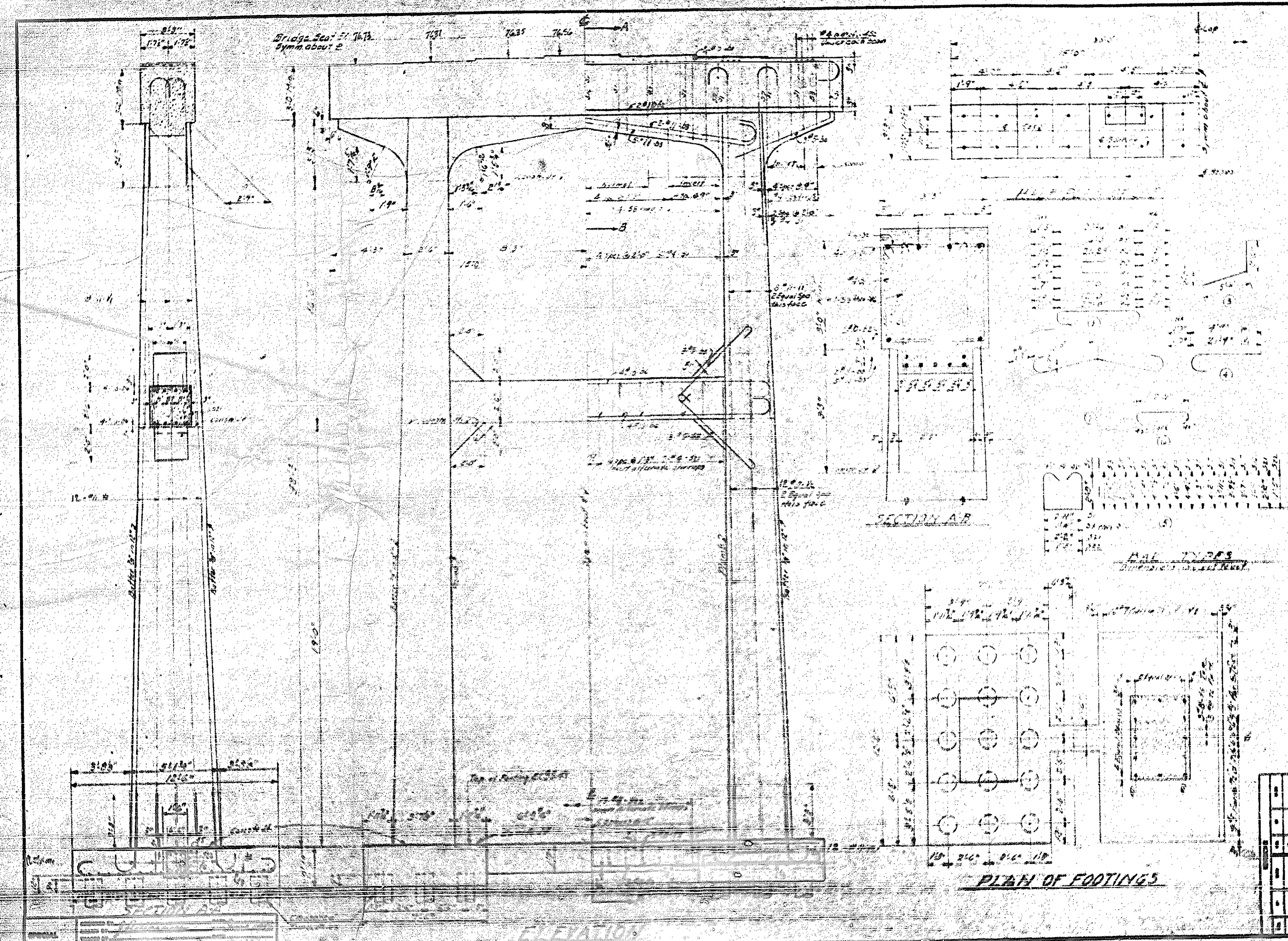
Qty	Size	Length	Weight
1	4"	30'-0"	110
2	4"	24'-0"	88
3	4"	18'-0"	66
4	4"	12'-0"	44
5	4"	6'-0"	22
6	4"	3'-0"	11
7	4"	3'-0"	11
8	4"	3'-0"	11
9	4"	3'-0"	11
10	4"	3'-0"	11
11	4"	3'-0"	11
12	4"	3'-0"	11
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35	4"	3'-0"	11
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41	4"	3'-0"	11
42	4"	3'-0"	11
43	4"	3'-0"	11
44	4"	3'-0"	11
45	4"	3'-0"	11
46	4"	3'-0"	11
47	4"	3'-0"	11
48	4"	3'-0"	11
49	4"	3'-0"	11
50	4"	3'-0"	11

Drawn by: [Signature]
 Checked by: [Signature]
 Date: 6/12/56

PROJECT NO. 3083
 ALABAMA COUNTY
 STATION: 157

STATE OF NORTH CAROLINA
 STATE HIGHWAY AND
 PUBLIC WORKS COMMISSION
 SUBD. 20 JRF
 BENT No. 12
 JUNE 1956

PLATE 1
 REINFORCING BARS
 RIGID STEEL
 BENT PLATES



Sheet No.	Total Sheets	Date	Scale
55	69		3/4" = 1'

QTY OF MATERIAL

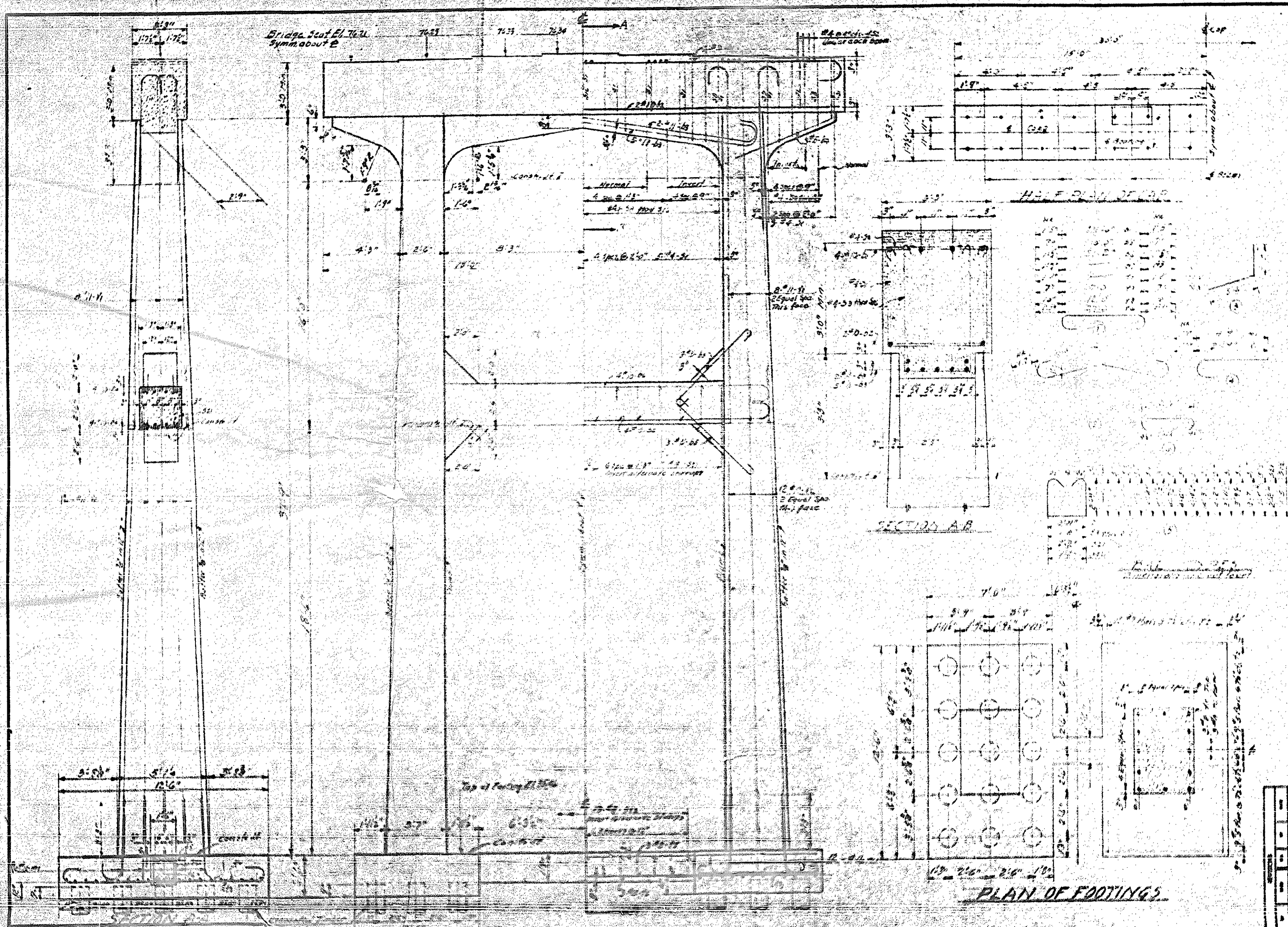
Item	Qty	Unit	Weight
1	1	cu yd	321.00
2	1	cu yd	296.00
3	1	cu yd	251.00
4	1	cu yd	210.00
5	1	cu yd	170.00
6	1	cu yd	130.00
7	1	cu yd	90.00
8	1	cu yd	50.00
9	1	cu yd	10.00
10	1	cu yd	5.00
11	1	cu yd	2.50
12	1	cu yd	1.25
13	1	cu yd	0.62
14	1	cu yd	0.31
15	1	cu yd	0.15
16	1	cu yd	0.08
17	1	cu yd	0.04
18	1	cu yd	0.02
19	1	cu yd	0.01
20	1	cu yd	0.00

Dist. Location - Sta. 7613
 Class 2 concrete
 Class 3 concrete
 Class 4 concrete

PROJECT NO. 3093
 BLADES COUNTY
 STATION: 151

STATE OF NORTH CAROLINA
 STATE HIGHWAY AND
 PUBLIC WORKS COMMISSION
 SUBDIVISION
 BENT No. 13
 JUNE 1956

30
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 70



Sheet No.	Total Sheets	Scale	Sheet
56	67	1" = 10'	30

ONE BENT

BILL OF MATERIAL

Bar	No.	Size	Length	Weight
1	1	3/4"	32'-6"	1.00
2	2	1"	29'-6"	1.00
3	3	1"	29'-6"	1.00
4	4	1"	29'-6"	1.00
5	5	1"	29'-6"	1.00
6	6	1"	29'-6"	1.00
7	7	1"	29'-6"	1.00
8	8	1"	29'-6"	1.00
9	9	1"	29'-6"	1.00
10	10	1"	29'-6"	1.00
11	11	1"	29'-6"	1.00
12	12	1"	29'-6"	1.00
13	13	1"	29'-6"	1.00
14	14	1"	29'-6"	1.00
15	15	1"	29'-6"	1.00
16	16	1"	29'-6"	1.00
17	17	1"	29'-6"	1.00
18	18	1"	29'-6"	1.00
19	19	1"	29'-6"	1.00
20	20	1"	29'-6"	1.00
21	21	1"	29'-6"	1.00
22	22	1"	29'-6"	1.00
23	23	1"	29'-6"	1.00
24	24	1"	29'-6"	1.00
25	25	1"	29'-6"	1.00
26	26	1"	29'-6"	1.00
27	27	1"	29'-6"	1.00
28	28	1"	29'-6"	1.00
29	29	1"	29'-6"	1.00
30	30	1"	29'-6"	1.00
31	31	1"	29'-6"	1.00
32	32	1"	29'-6"	1.00
33	33	1"	29'-6"	1.00
34	34	1"	29'-6"	1.00
35	35	1"	29'-6"	1.00
36	36	1"	29'-6"	1.00
37	37	1"	29'-6"	1.00
38	38	1"	29'-6"	1.00
39	39	1"	29'-6"	1.00
40	40	1"	29'-6"	1.00
41	41	1"	29'-6"	1.00
42	42	1"	29'-6"	1.00
43	43	1"	29'-6"	1.00
44	44	1"	29'-6"	1.00
45	45	1"	29'-6"	1.00
46	46	1"	29'-6"	1.00
47	47	1"	29'-6"	1.00
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49	49	1"	29'-6"	1.00
50	50	1"	29'-6"	1.00
51	51	1"	29'-6"	1.00
52	52	1"	29'-6"	1.00
53	53	1"	29'-6"	1.00
54	54	1"	29'-6"	1.00
55	55	1"	29'-6"	1.00
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61	61	1"	29'-6"	1.00
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69	69	1"	29'-6"	1.00
70	70	1"	29'-6"	1.00
71	71	1"	29'-6"	1.00
72	72	1"	29'-6"	1.00
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75	75	1"	29'-6"	1.00
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80	80	1"	29'-6"	1.00
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82	82	1"	29'-6"	1.00
83	83	1"	29'-6"	1.00
84	84	1"	29'-6"	1.00
85	85	1"	29'-6"	1.00
86	86	1"	29'-6"	1.00
87	87	1"	29'-6"	1.00
88	88	1"	29'-6"	1.00
89	89	1"	29'-6"	1.00
90	90	1"	29'-6"	1.00
91	91	1"	29'-6"	1.00
92	92	1"	29'-6"	1.00
93	93	1"	29'-6"	1.00
94	94	1"	29'-6"	1.00
95	95	1"	29'-6"	1.00
96	96	1"	29'-6"	1.00
97	97	1"	29'-6"	1.00
98	98	1"	29'-6"	1.00
99	99	1"	29'-6"	1.00
100	100	1"	29'-6"	1.00

Depreciation Costs
 A-1000
 B-1000
 C-1000
 D-1000
 E-1000
 F-1000
 G-1000
 H-1000
 I-1000
 J-1000
 K-1000
 L-1000
 M-1000
 N-1000
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 P-1000
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 Y-1000
 Z-1000

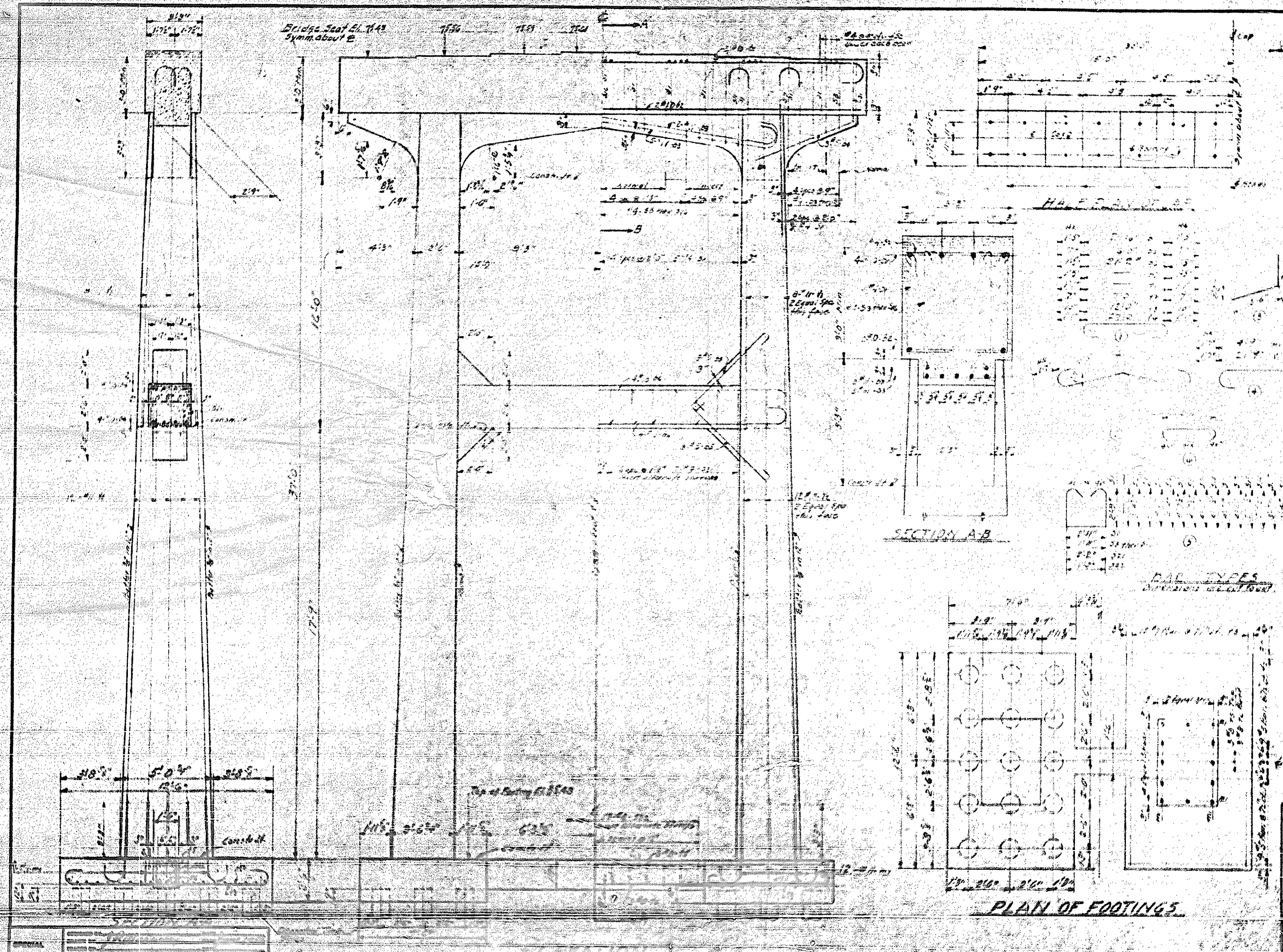
PROJECT No. 3003
 Rutherford COUNTY
 STATION: 15+60.5

STATE OF NORTH CAROLINA
 STATE HIGHWAY AND
 PUBLIC WORKS COMMISSION
 SUBPROJECT
 BENT No. 14
 JUNE 1956

SPECIAL

ELEVATION

PLAN OF FOOTINGS



Sheet No.	69	Total Sheets	7	Scale	1/4" = 1'-0"
Project No.	3083	Station	15+00	Contract	1935

ONE BENT

BILL OF MATERIAL

Item	No.	Size	Length	Quantity
1	4	3/4"	32'-0"	1
2	2	3/4"	24'-0"	2
3	2	3/4"	24'-0"	2
4	6	3/4"	8'-0"	6
5	12	3/4"	2'-0"	12
6	1	3/4"	24'-0"	1
7	1	3/4"	24'-0"	1
8	24	1/4"	6'-0"	24
9	12	1/4"	9'-0"	12
10	28	1/4"	5'-0"	28
11	1	1/4"	5'-0"	1
12	1	1/4"	5'-0"	1
13	1	1/4"	5'-0"	1
14	1	1/4"	5'-0"	1
15	1	1/4"	5'-0"	1
16	1	1/4"	5'-0"	1
17	1	1/4"	5'-0"	1
18	1	1/4"	5'-0"	1
19	1	1/4"	5'-0"	1
20	1	1/4"	5'-0"	1
21	1	1/4"	5'-0"	1
22	1	1/4"	5'-0"	1
23	1	1/4"	5'-0"	1
24	1	1/4"	5'-0"	1
25	1	1/4"	5'-0"	1
26	1	1/4"	5'-0"	1
27	1	1/4"	5'-0"	1
28	1	1/4"	5'-0"	1
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33	1	1/4"	5'-0"	1
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35	1	1/4"	5'-0"	1
36	1	1/4"	5'-0"	1
37	1	1/4"	5'-0"	1
38	1	1/4"	5'-0"	1
39	1	1/4"	5'-0"	1
40	1	1/4"	5'-0"	1
41	1	1/4"	5'-0"	1
42	1	1/4"	5'-0"	1
43	1	1/4"	5'-0"	1
44	1	1/4"	5'-0"	1
45	1	1/4"	5'-0"	1
46	1	1/4"	5'-0"	1
47	1	1/4"	5'-0"	1
48	1	1/4"	5'-0"	1
49	1	1/4"	5'-0"	1
50	1	1/4"	5'-0"	1
51	1	1/4"	5'-0"	1
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53	1	1/4"	5'-0"	1
54	1	1/4"	5'-0"	1
55	1	1/4"	5'-0"	1
56	1	1/4"	5'-0"	1
57	1	1/4"	5'-0"	1
58	1	1/4"	5'-0"	1
59	1	1/4"	5'-0"	1
60	1	1/4"	5'-0"	1
61	1	1/4"	5'-0"	1
62	1	1/4"	5'-0"	1
63	1	1/4"	5'-0"	1
64	1	1/4"	5'-0"	1
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68	1	1/4"	5'-0"	1
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95	1	1/4"	5'-0"	1
96	1	1/4"	5'-0"	1
97	1	1/4"	5'-0"	1
98	1	1/4"	5'-0"	1
99	1	1/4"	5'-0"	1
100	1	1/4"	5'-0"	1

Excavation 0.000
 Reinforcing steel 1.000
 Class A concrete 10.000
 Class B concrete 10.000
 Class C concrete 10.000
 Class D concrete 10.000
 Class E concrete 10.000
 Class F concrete 10.000
 Class G concrete 10.000
 Class H concrete 10.000
 Class I concrete 10.000
 Class J concrete 10.000
 Class K concrete 10.000
 Class L concrete 10.000
 Class M concrete 10.000
 Class N concrete 10.000
 Class O concrete 10.000
 Class P concrete 10.000
 Class Q concrete 10.000
 Class R concrete 10.000
 Class S concrete 10.000
 Class T concrete 10.000
 Class U concrete 10.000
 Class V concrete 10.000
 Class W concrete 10.000
 Class X concrete 10.000
 Class Y concrete 10.000
 Class Z concrete 10.000

PROJECT NO. 3083
BLADEMOUNT COUNTY
STATION 15+00

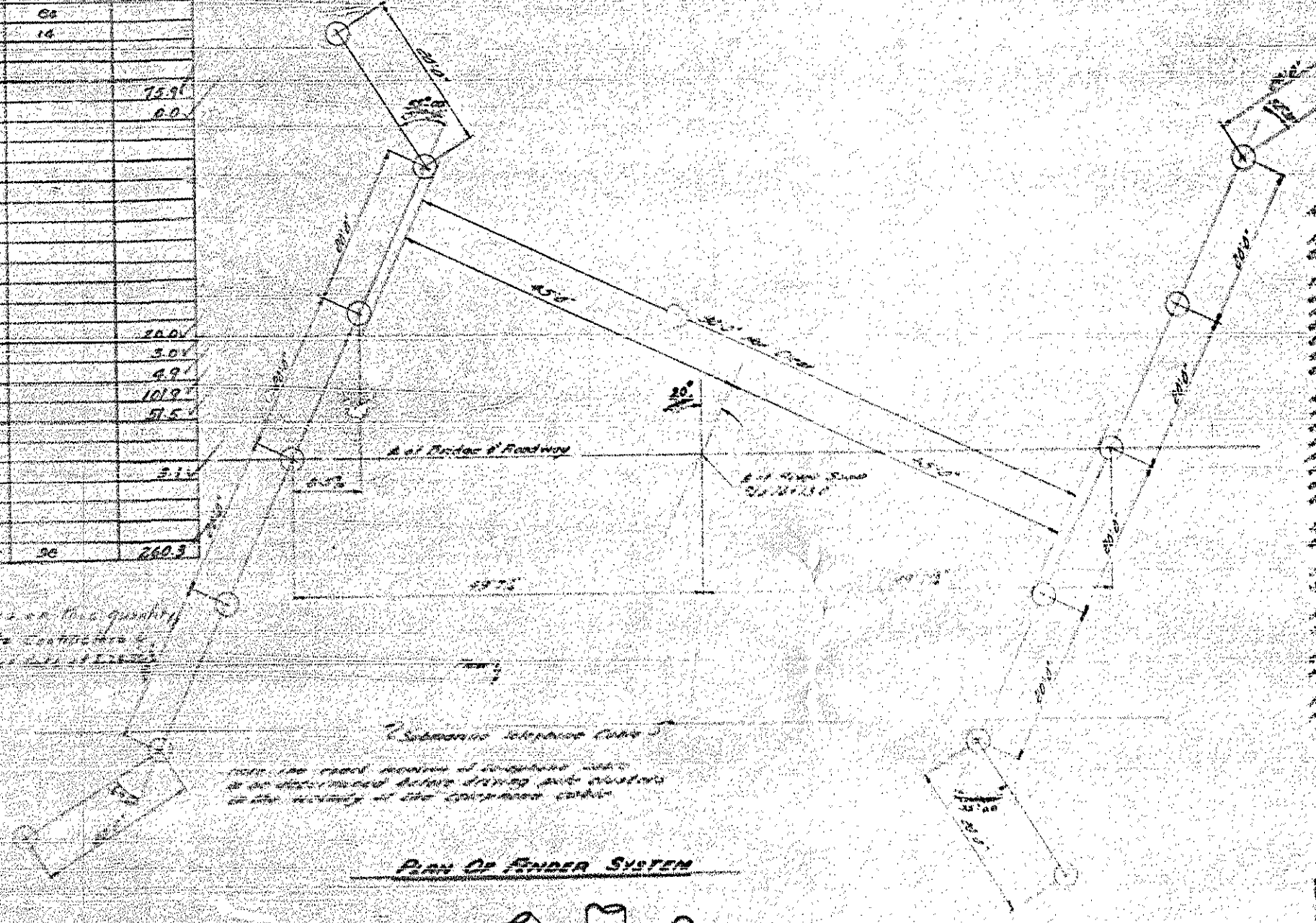
STATE OF NORTH CAROLINA
 STATE HIGHWAY AND
 PUBLIC WORKS COMMISSION
 SUBSTRUCTURE
 BENT No. 15
 JUNE 1935

DESIGNED BY
 DRAWN BY
 CHECKED BY

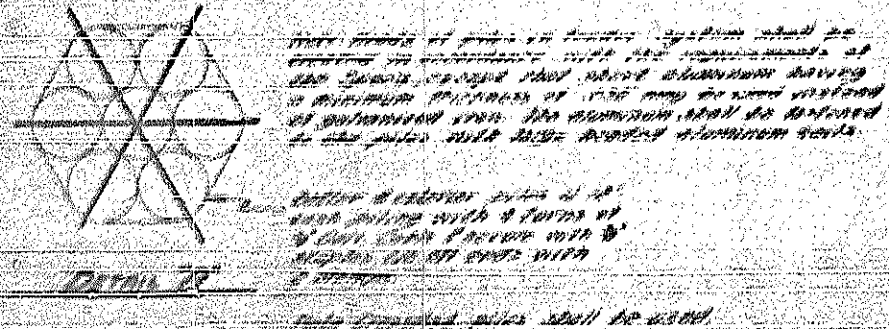
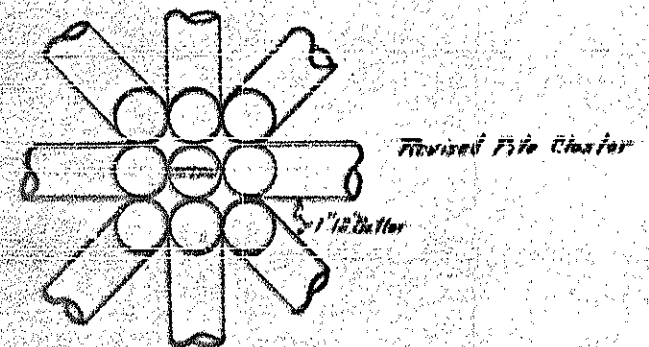
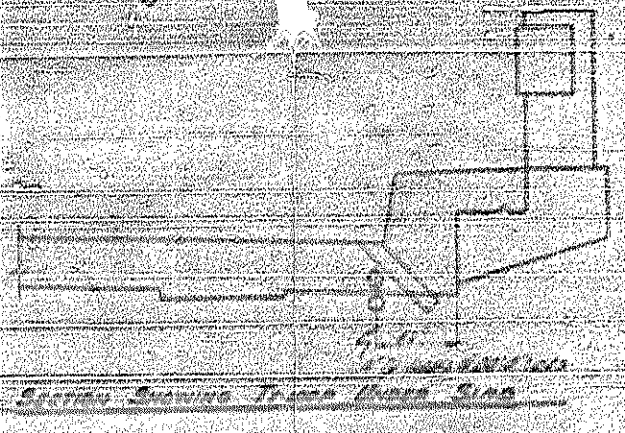
TOTAL BILL OF MATERIALS

Class of Material	Quantity	Unit	Weight	Volume	Value	Remarks
Steel	27605	lb			42959	
Cast Iron	81.8	lb				
Concrete	547.8	cu yd				
Timber		cu ft				
Flanges						
Welding Rods						
Welding Gas						
Paint						
Oil						
Other						
Total	29510				5892	

I hereby certify that this structure was built according to these plans.
 Signed: H. J. Wheeler, Resident Engineer, 5-19-35

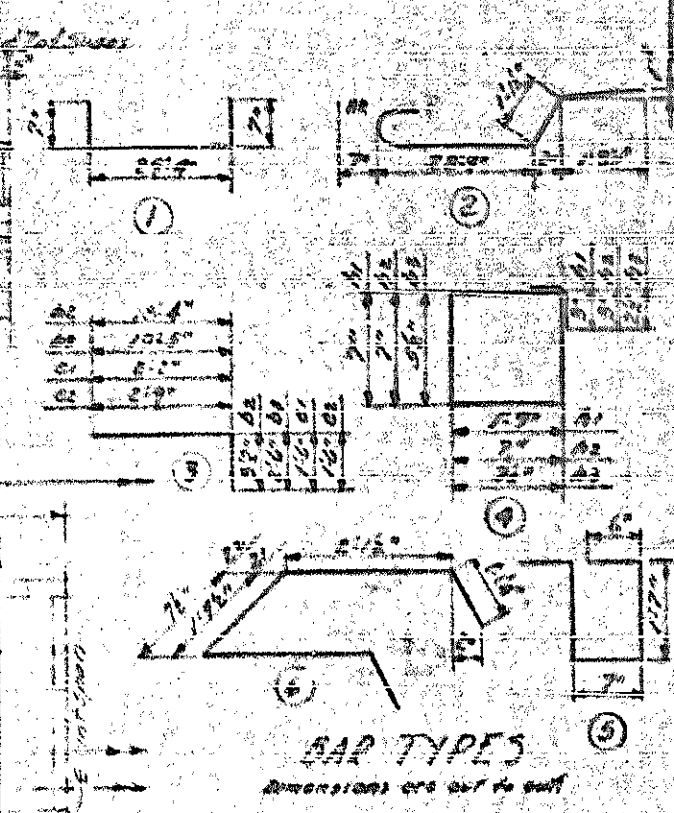
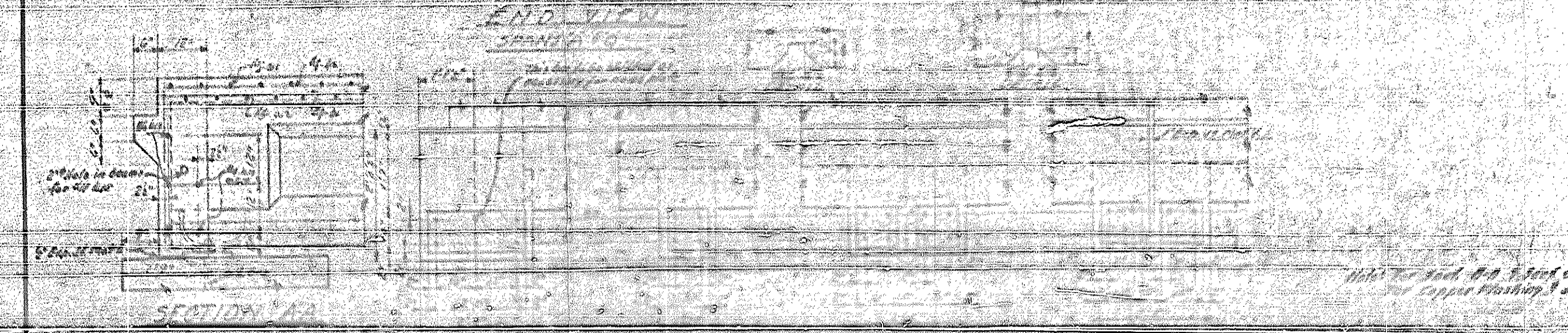
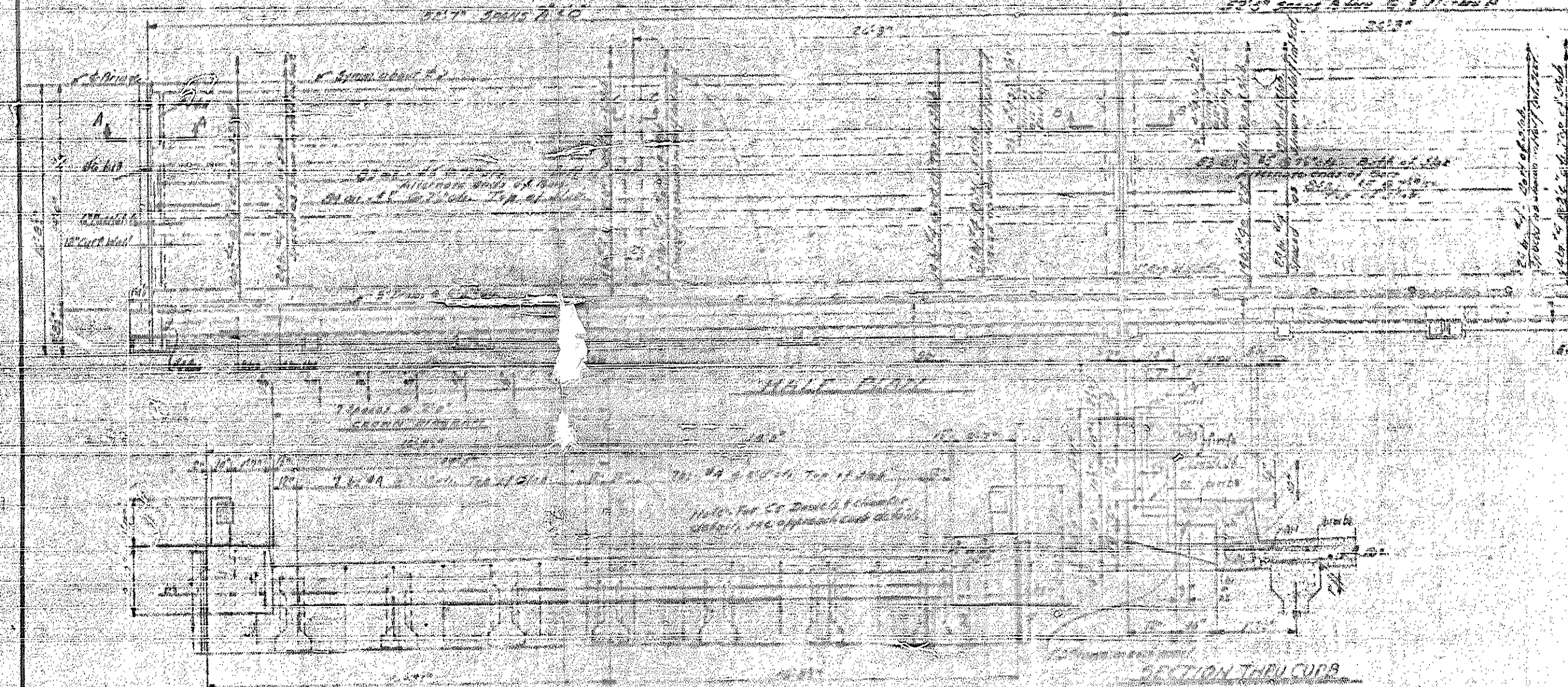
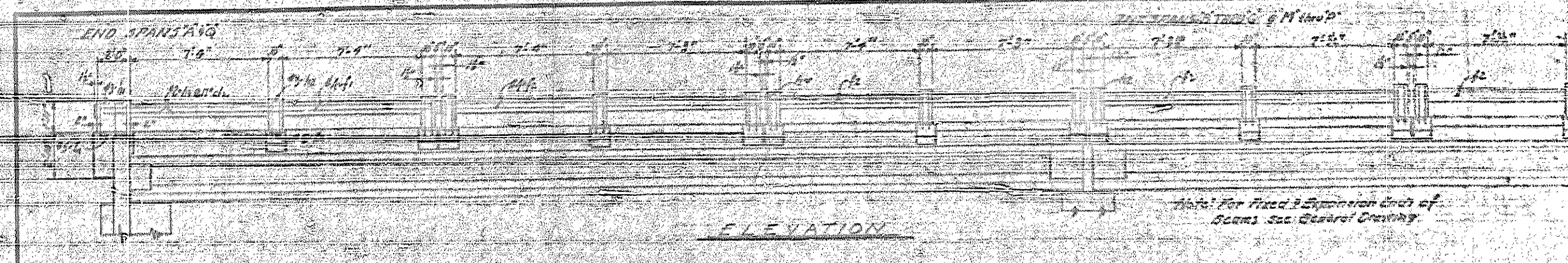


Notes
 Revised Live Load 1400-5000
 Allow for dead loads of 10000 lbs per ft. of span. The structure shall be designed for a maximum bending capacity of 10000 ft. lbs. The centerline shall be supported by three cast iron columns and one steel column. The centerline shall be supported by three cast iron columns and one steel column. The centerline shall be supported by three cast iron columns and one steel column.



PROJECT NO. 3003
 GARDEN COUNTY
 STATION: 15+60.5

STATE OF NORTH CAROLINA
 STATE HIGHWAY AND
 PUBLIC WORKS COMMISSION
 FENDER SYSTEM I
 H. J. Wheeler, Resident Engineer
 5-19-35



BILL OF MATERIAL

Bar No.	Dim	Quantity	Remarks
60	1/2"	1	1/2" x 1/2"
61	3/4"	1	3/4" x 3/4"
62	1"	1	1" x 1"
63	1 1/4"	1	1 1/4" x 1 1/4"
64	1 1/2"	1	1 1/2" x 1 1/2"
65	1 3/4"	1	1 3/4" x 1 3/4"
66	2"	1	2" x 2"
67	2 1/4"	1	2 1/4" x 2 1/4"
68	2 1/2"	1	2 1/2" x 2 1/2"
69	2 3/4"	1	2 3/4" x 2 3/4"
70	3"	1	3" x 3"

Bar No.	Dim	Quantity	Remarks
71	3 1/4"	1	3 1/4" x 3 1/4"
72	3 1/2"	1	3 1/2" x 3 1/2"
73	3 3/4"	1	3 3/4" x 3 3/4"
74	4"	1	4" x 4"
75	4 1/4"	1	4 1/4" x 4 1/4"
76	4 1/2"	1	4 1/2" x 4 1/2"
77	4 3/4"	1	4 3/4" x 4 3/4"
78	5"	1	5" x 5"
79	5 1/4"	1	5 1/4" x 5 1/4"
80	5 1/2"	1	5 1/2" x 5 1/2"
81	5 3/4"	1	5 3/4" x 5 3/4"
82	6"	1	6" x 6"
83	6 1/4"	1	6 1/4" x 6 1/4"
84	6 1/2"	1	6 1/2" x 6 1/2"
85	6 3/4"	1	6 3/4" x 6 3/4"
86	7"	1	7" x 7"
87	7 1/4"	1	7 1/4" x 7 1/4"
88	7 1/2"	1	7 1/2" x 7 1/2"
89	7 3/4"	1	7 3/4" x 7 3/4"
90	8"	1	8" x 8"
91	8 1/4"	1	8 1/4" x 8 1/4"
92	8 1/2"	1	8 1/2" x 8 1/2"
93	8 3/4"	1	8 3/4" x 8 3/4"
94	9"	1	9" x 9"
95	9 1/4"	1	9 1/4" x 9 1/4"
96	9 1/2"	1	9 1/2" x 9 1/2"
97	9 3/4"	1	9 3/4" x 9 3/4"
98	10"	1	10" x 10"
99	10 1/4"	1	10 1/4" x 10 1/4"
100	10 1/2"	1	10 1/2" x 10 1/2"
101	10 3/4"	1	10 3/4" x 10 3/4"
102	11"	1	11" x 11"
103	11 1/4"	1	11 1/4" x 11 1/4"
104	11 1/2"	1	11 1/2" x 11 1/2"
105	11 3/4"	1	11 3/4" x 11 3/4"
106	12"	1	12" x 12"

HARDWARE

Item	Qty	Remarks
Anchor	12	12" x 12"
Diaphragm	2	12" x 12"
Hardware	2	12" x 12"
Weld	1	12" x 12"
TOTAL	17	

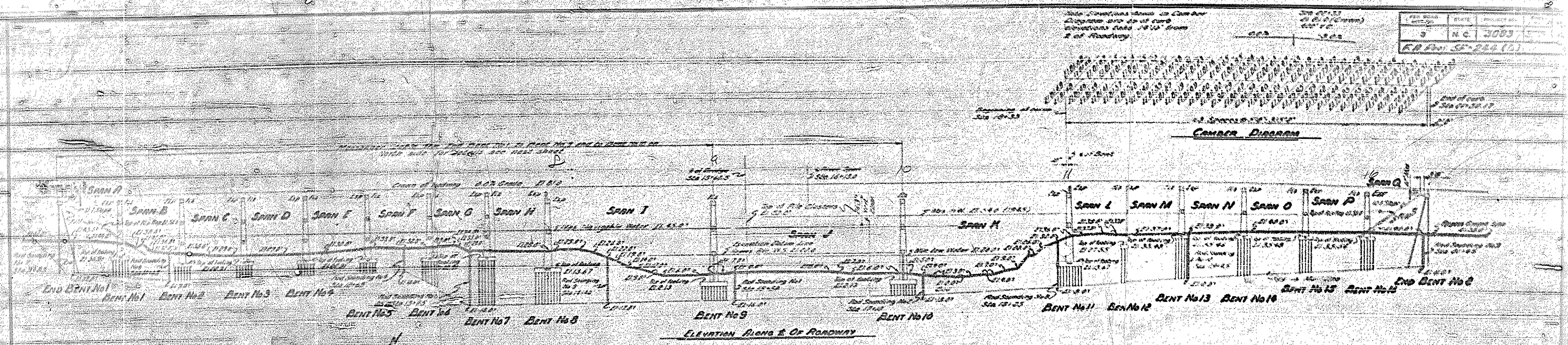
Note: Hardware will not be paid for as separate pay item. The cost to be included in the unit price for the stress Precast Concrete J-Beam.

PROJECT NO. 3057
ALABAMA COUNTY
STATION: 10+60.5

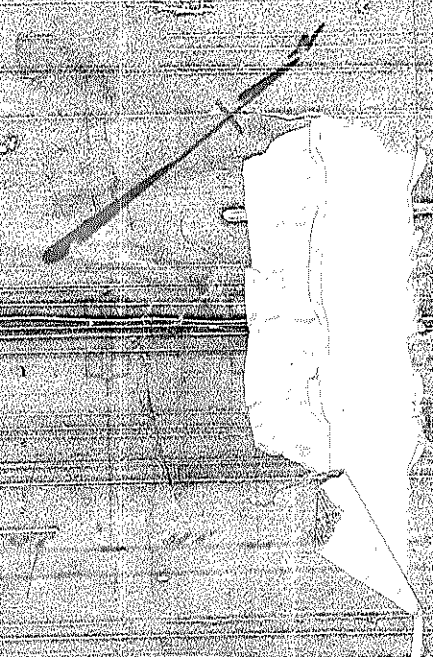
STATE OF NORTH CAROLINA
STATE HIGHWAY AND
PUBLIC WORKS COMMISSION
SUPERSTRUCTURE
JULY 1976

SPECIAL

Note: For End View Detail Refer to Detail Drawing



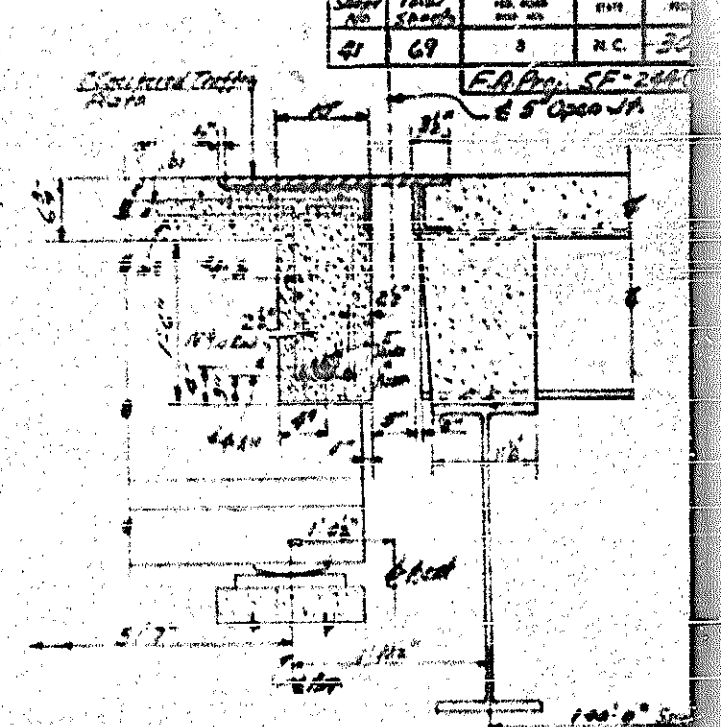
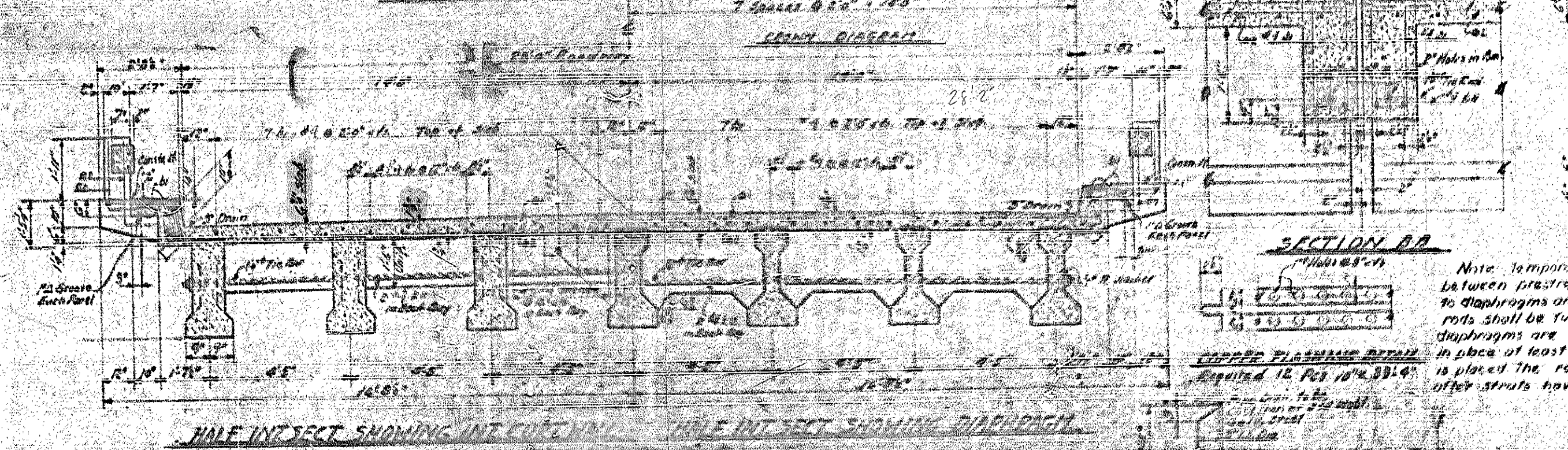
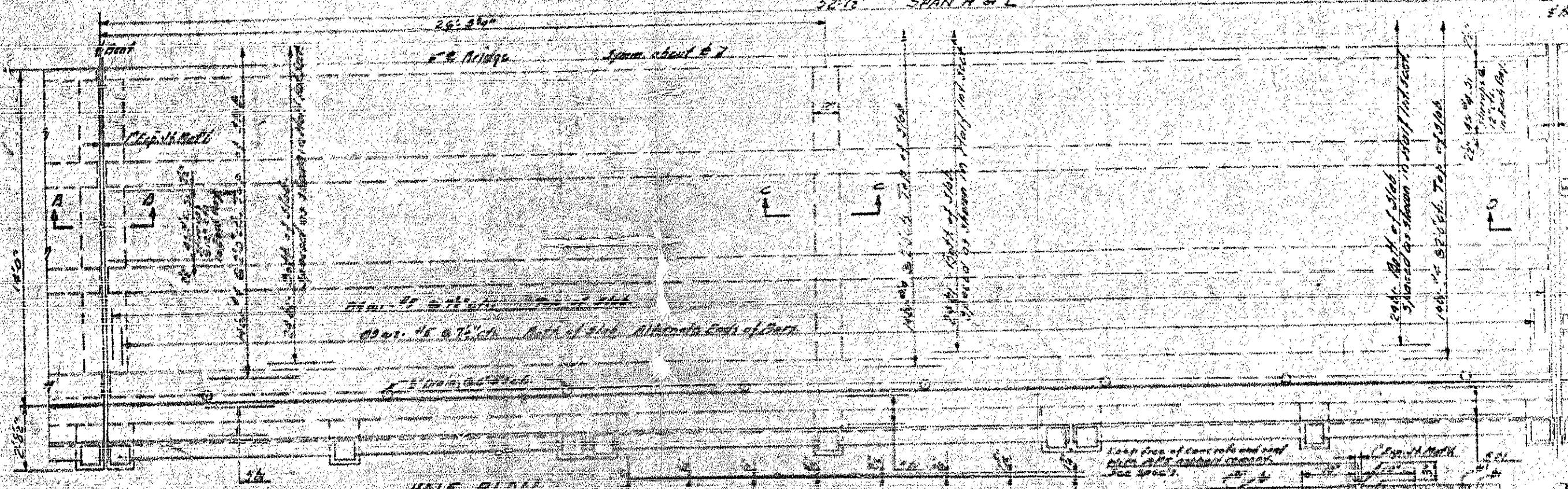
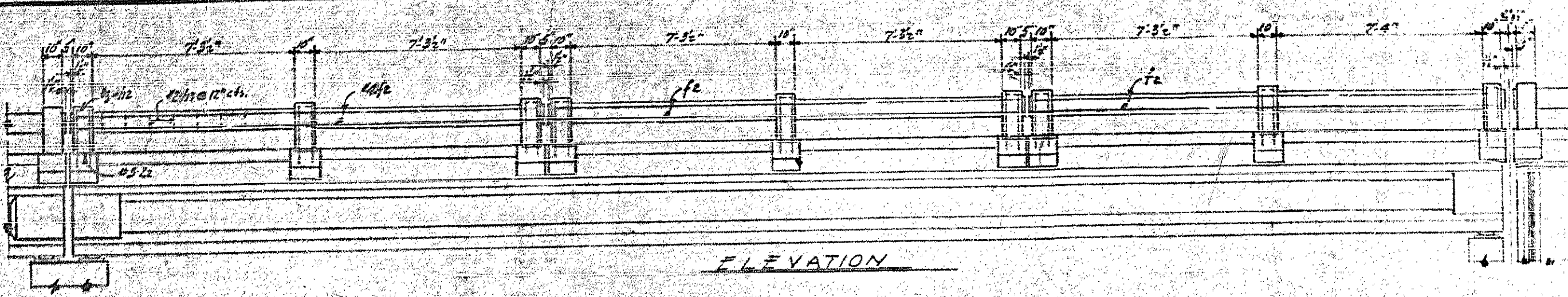
PROJECT NO.	STATE	COUNTY	STATION
3083	NC	GLADEN	17+00



PROJECT NO. 3083
GLADEN COUNTY
STATION: 17+00

STATE OF NORTH CAROLINA
 STATE HIGHWAY AND
 PUBLIC WORKS COMMISSION
 GENERAL DRAWING
 FOR BRIDGE OVER CREEK IN
 US HIGHWAY 101
 CUMBERLAND COUNTY

PLATES BARS 10 FITTED STIFF BENT PLATES 10



HARDWARE (L SPANS)

Item	Qty	Size	Type	Length
10	200	1/2"	Washer	30'-6"
11	144	1/2"	Washer	31'-9"
12	288	3/4"	Washer	15'-0"
13	288	3/4"	Washer	15'-0"
14	288	3/4"	Washer	15'-0"
15	288	3/4"	Washer	15'-0"
16	288	3/4"	Washer	15'-0"
17	288	3/4"	Washer	15'-0"
18	288	3/4"	Washer	15'-0"
19	288	3/4"	Washer	15'-0"
20	288	3/4"	Washer	15'-0"
21	288	3/4"	Washer	15'-0"
22	288	3/4"	Washer	15'-0"
23	288	3/4"	Washer	15'-0"
24	288	3/4"	Washer	15'-0"
25	288	3/4"	Washer	15'-0"
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41	288	3/4"	Washer	15'-0"
42	288	3/4"	Washer	15'-0"
43	288	3/4"	Washer	15'-0"
44	288	3/4"	Washer	15'-0"
45	288	3/4"	Washer	15'-0"
46	288	3/4"	Washer	15'-0"
47	288	3/4"	Washer	15'-0"
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49	288	3/4"	Washer	15'-0"
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71	288	3/4"	Washer	15'-0"
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96	288	3/4"	Washer	15'-0"
97	288	3/4"	Washer	15'-0"
98	288	3/4"	Washer	15'-0"
99	288	3/4"	Washer	15'-0"
100	288	3/4"	Washer	15'-0"

BILL OF MATERIAL

Item	Qty	Size	Type	Length
1	100	1/2"	Washer	30'-6"
2	144	1/2"	Washer	31'-9"
3	288	3/4"	Washer	15'-0"
4	288	3/4"	Washer	15'-0"
5	288	3/4"	Washer	15'-0"
6	288	3/4"	Washer	15'-0"
7	288	3/4"	Washer	15'-0"
8	288	3/4"	Washer	15'-0"
9	288	3/4"	Washer	15'-0"
10	288	3/4"	Washer	15'-0"
11	288	3/4"	Washer	15'-0"
12	288	3/4"	Washer	15'-0"
13	288	3/4"	Washer	15'-0"
14	288	3/4"	Washer	15'-0"
15	288	3/4"	Washer	15'-0"
16	288	3/4"	Washer	15'-0"
17	288	3/4"	Washer	15'-0"
18	288	3/4"	Washer	15'-0"
19	288	3/4"	Washer	15'-0"
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23	288	3/4"	Washer	15'-0"
24	288	3/4"	Washer	15'-0"
25	288	3/4"	Washer	15'-0"
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96	288	3/4"	Washer	15'-0"
97	288	3/4"	Washer	15'-0"
98	288	3/4"	Washer	15'-0"
99	288	3/4"	Washer	15'-0"
100	288	3/4"	Washer	15'-0"

Hardware will not be paid for as a separate pay item. The cost to be included in the unit price for the prestress Precast Concrete Beams.

SECTION B-B

Note: Temporary struts shall be placed between prestressed beams adjacent to diaphragms and the nuts on the 1/2" rods shall be fully tightened before diaphragms are cast. Struts shall remain in place at least 3 days after concrete is placed. The rods shall be retightened after struts have been removed.

PROJECT NO. 9063
 ALDEN COUNTY
 STATION: 15+00.5

STATE OF NORTH CAROLINA
 STATE HIGHWAY AND
 PUBLIC WORKS COMMISSION
 SUPERSTRUCTURE

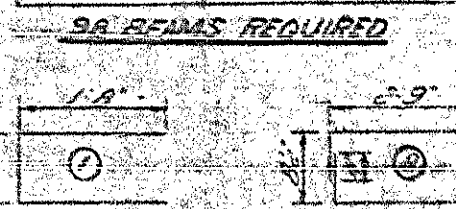
JULY 1984

QUART

Sheet No.	69	Scale	1" = 1'-0"
Project No.	3033	City	Wilson
Station	15+6.05	County	Wilson

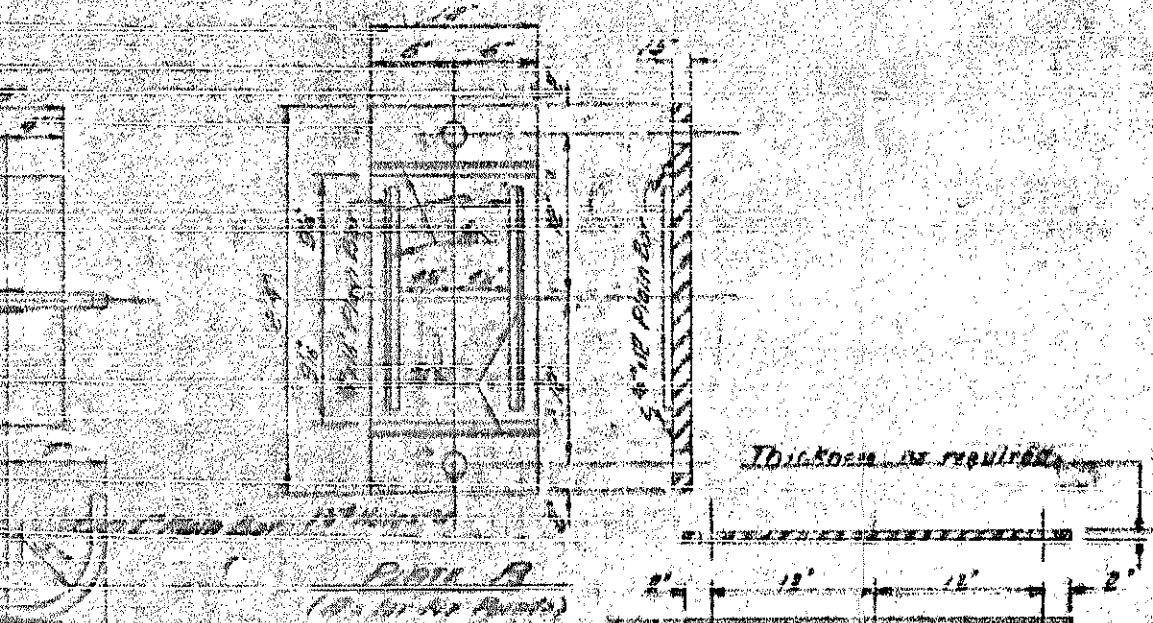
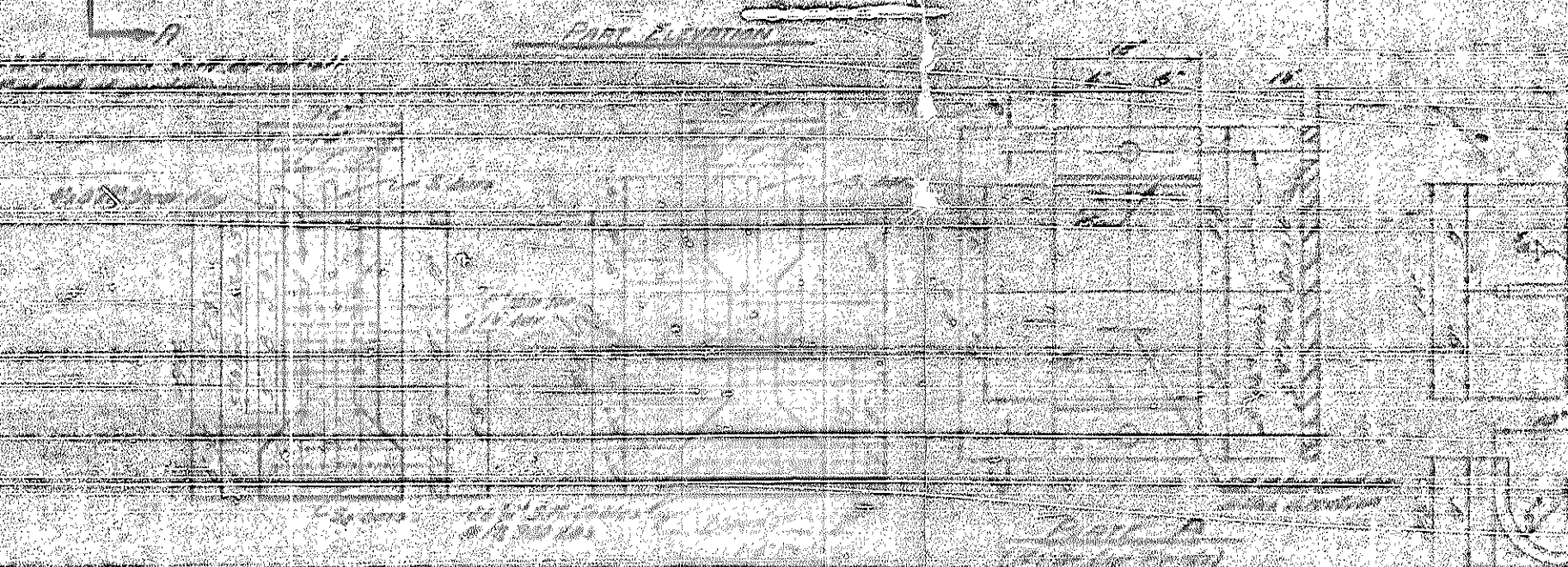
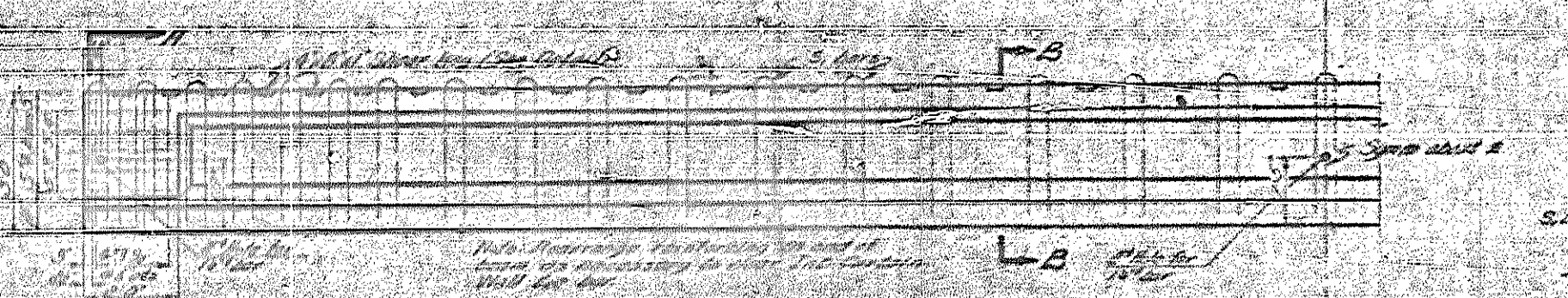
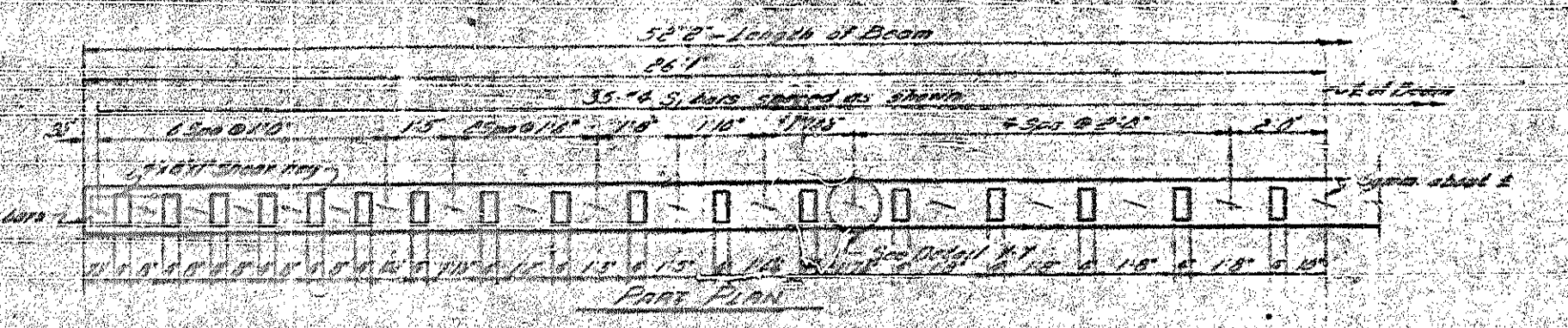
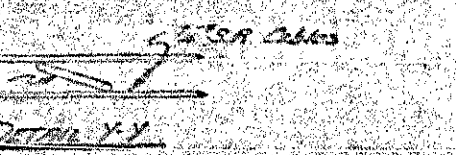
Bill of Materials for One Beam

Qty	Size	Length	Weight
8	1/2"	1'-0"	27
5	3/4"	3'-6"	188
2	3/4"	3'-3"	33
	Reinforcing Steel	193	lbs
	Class II Concrete	5.2	cu yds
	2" x 5" x 10" Blocks	16	cs



Note: Special care shall be taken to set all plates in exact position and to keep edges and bottom surfaces of the plates true of concrete. At 1/2" bearings, the ends of beams shall be 1/2" from the edge of the concrete. At 3/4" bearings, the ends of beams shall be 3/4" from the edge of the concrete. The concrete shall be placed in the form and shall be finished and cured in accordance with the specifications. The concrete shall be placed in the form and shall be finished and cured in accordance with the specifications. The concrete shall be placed in the form and shall be finished and cured in accordance with the specifications.

BAR TYPES
 All dimensions are not to scale of bars



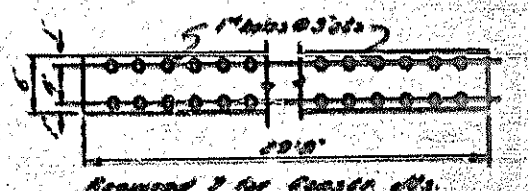
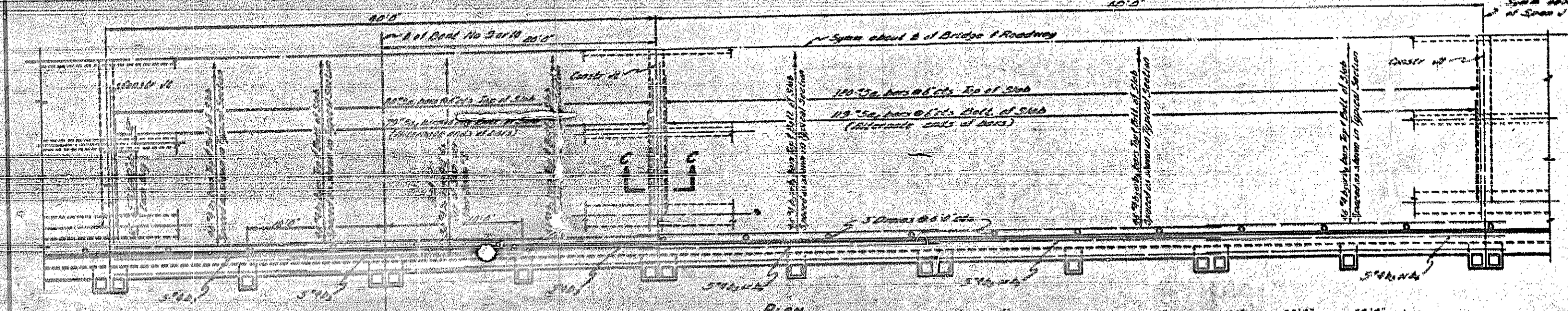
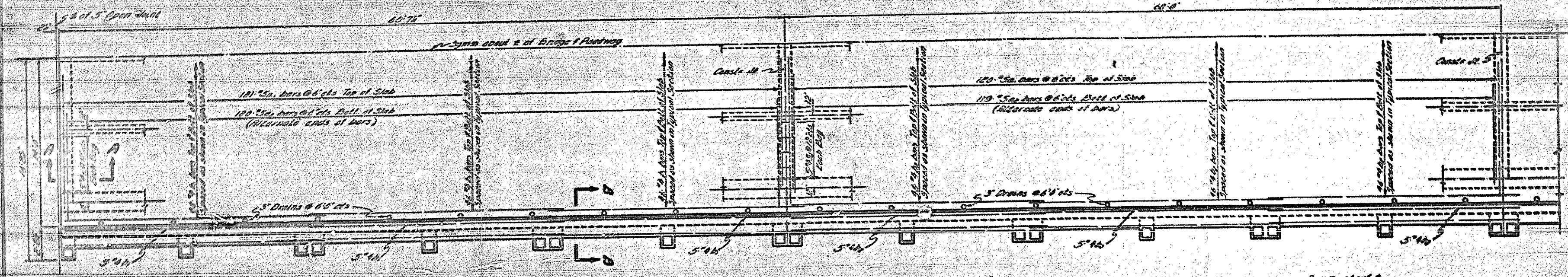
PROJECT NO. 3033
Wilson COUNTY
STATION: 15+6.05

REQUIRED LIST

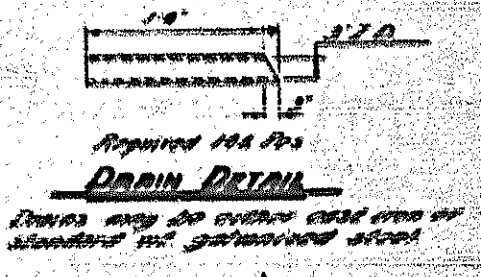
1	8 #1/2" Bars	1'-0" Long
2	5 #3/4" Bars	3'-6" Long
3	2 #3/4" Bars	3'-3" Long
4	16 2" x 5" x 10" Blocks	
5	5.2 cu yds Class II Concrete	
6	193 lbs Reinforcing Steel	

STATE OF NORTH CAROLINA
 STATE HIGHWAY AND
 PUBLIC WORKS COMMISSION
 DETAILS OF PRECAST
 CONCRETE BEAMS AND
 BEARING PLATES
 1957

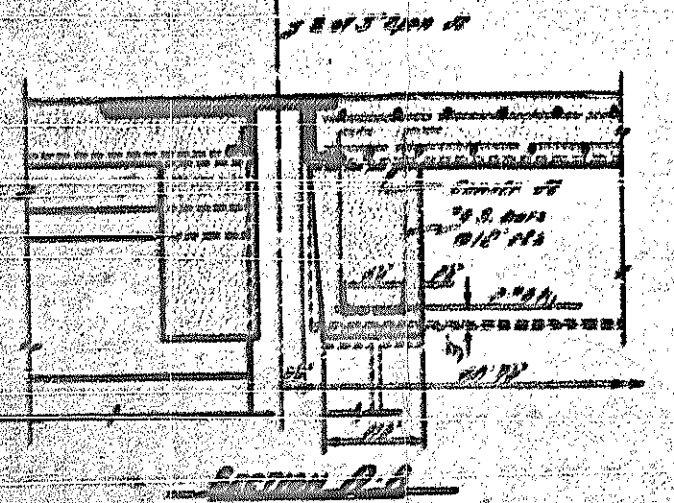
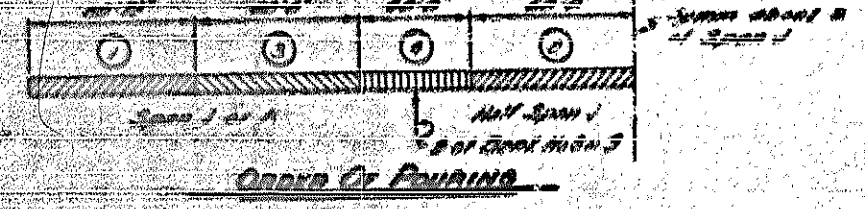
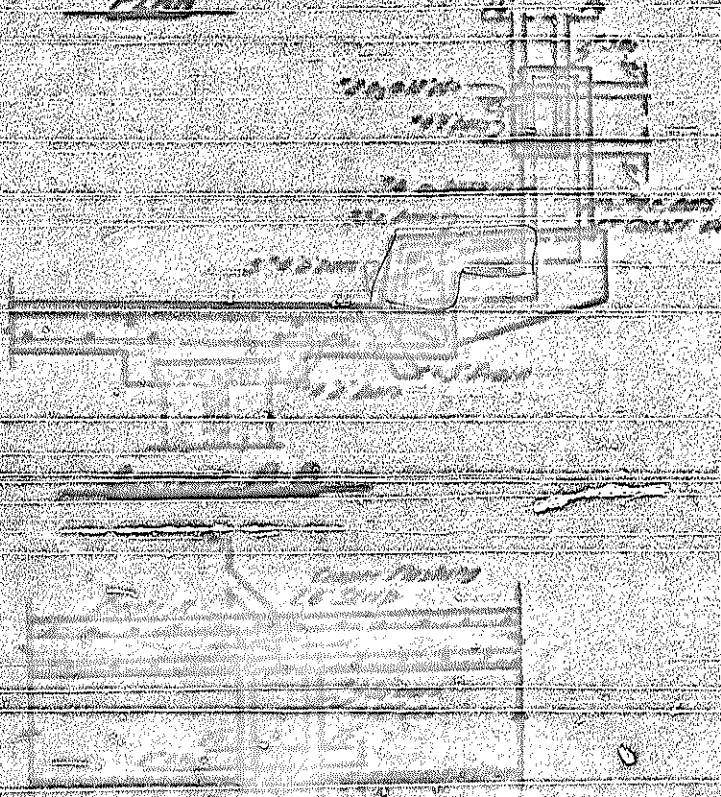
PROJ. NO.	DATE	SCALE
3003	5/25/55	1" = 10'-0"
SHEET NO. 1 OF 2		



Required for Center of Span
CORNER FINISHING
 This corner finishing is to be done with the spans. Corner finishing is to extend to drainage points on spans. Finishing and the spacing of drains at drainage points are to be as shown. See Specs.

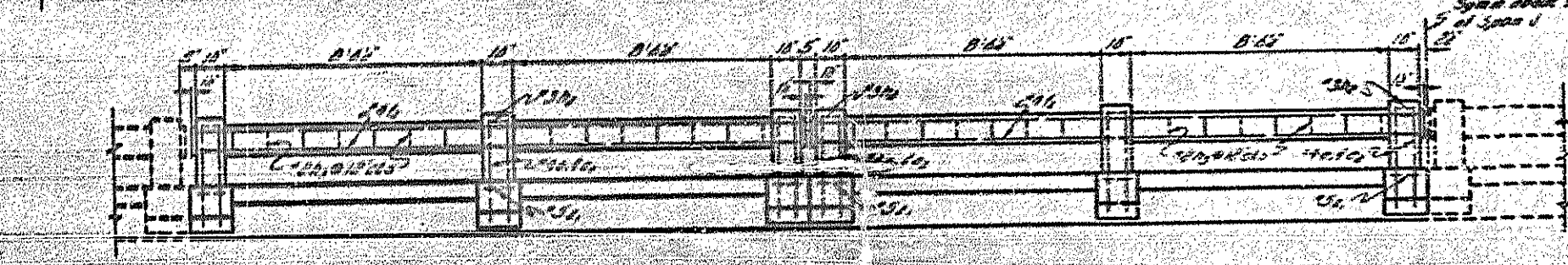
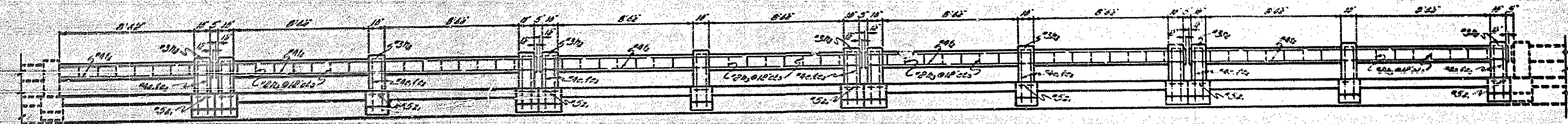
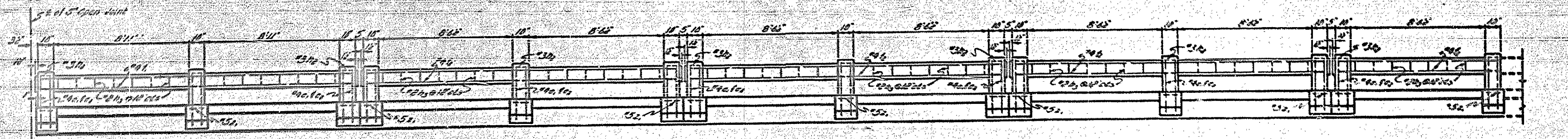


Required for Spans
DRAIN DETAIL
 Drains may be either cast iron or aluminum. See specifications.

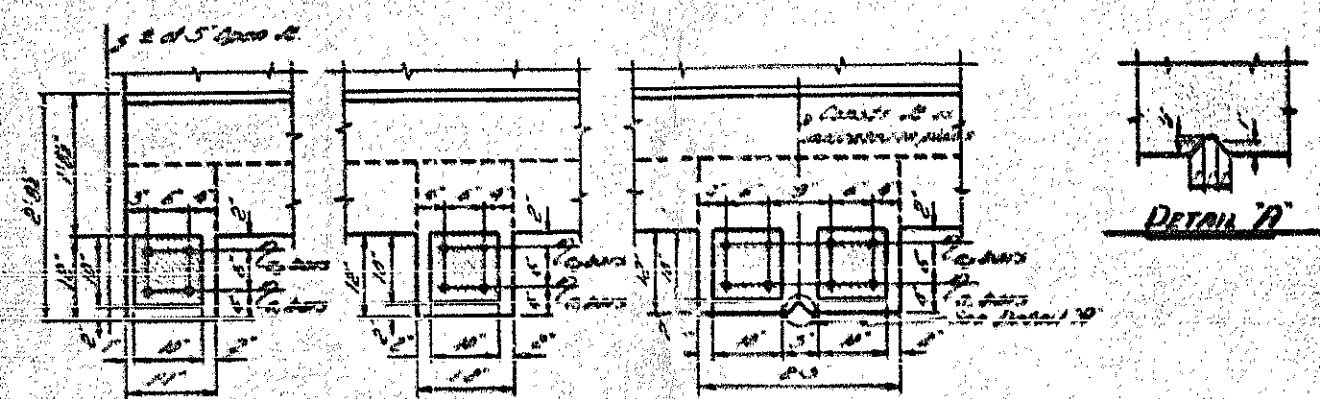


PROJECT NO. 3003
 BLADEN COUNTY
 STATION: 15+60.5
 SPANS 3-JJK
 SHEET 1 OF 2
 STATE OF NORTH CAROLINA
 STATE HIGHWAY AND
 PUBLIC WORKS COMMISSION
 SUPERSTRUCTURE
 JUN 1955

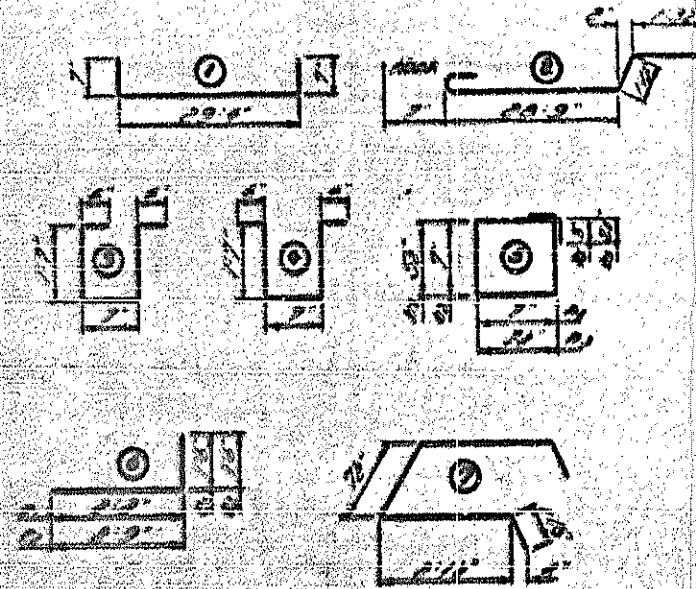
PROJECT NO.	3003
DATE	
RA Proj. SF-205 (6)	



Post & Rail Elevation



POST DETAIL



Post Type

All the dimensions are cut to fit

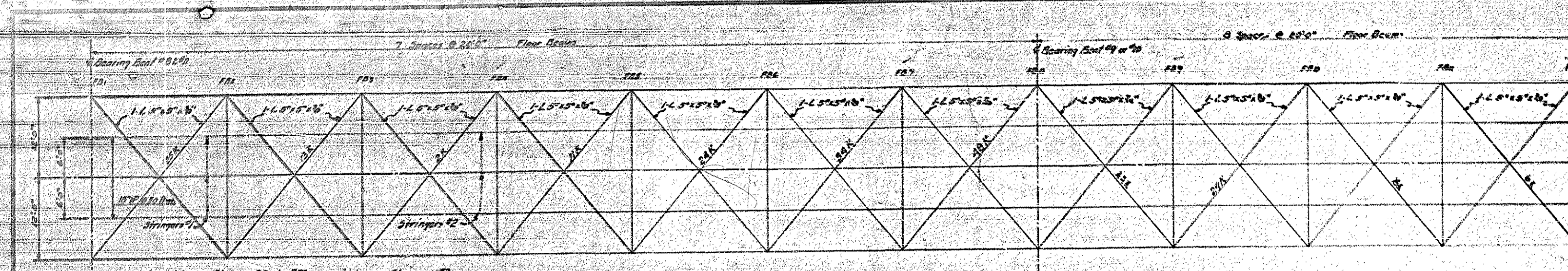
TOTAL BILL OF MATERIAL					
Qty	Size	Length	Weight	Volume	Notes
2	4.0" x 4.0" x 8.0"	8.0'	1.00	0.00	
2	4.0" x 4.0" x 10.0"	10.0'	1.25	0.00	
2	4.0" x 4.0" x 12.0"	12.0'	1.50	0.00	
2	4.0" x 4.0" x 14.0"	14.0'	1.75	0.00	
2	4.0" x 4.0" x 16.0"	16.0'	2.00	0.00	
2	4.0" x 4.0" x 18.0"	18.0'	2.25	0.00	
2	4.0" x 4.0" x 20.0"	20.0'	2.50	0.00	
2	4.0" x 4.0" x 22.0"	22.0'	2.75	0.00	
2	4.0" x 4.0" x 24.0"	24.0'	3.00	0.00	
2	4.0" x 4.0" x 26.0"	26.0'	3.25	0.00	
2	4.0" x 4.0" x 28.0"	28.0'	3.50	0.00	
2	4.0" x 4.0" x 30.0"	30.0'	3.75	0.00	
2	4.0" x 4.0" x 32.0"	32.0'	4.00	0.00	
2	4.0" x 4.0" x 34.0"	34.0'	4.25	0.00	
2	4.0" x 4.0" x 36.0"	36.0'	4.50	0.00	
2	4.0" x 4.0" x 38.0"	38.0'	4.75	0.00	
2	4.0" x 4.0" x 40.0"	40.0'	5.00	0.00	
2	4.0" x 4.0" x 42.0"	42.0'	5.25	0.00	
2	4.0" x 4.0" x 44.0"	44.0'	5.50	0.00	
2	4.0" x 4.0" x 46.0"	46.0'	5.75	0.00	
2	4.0" x 4.0" x 48.0"	48.0'	6.00	0.00	
2	4.0" x 4.0" x 50.0"	50.0'	6.25	0.00	
2	4.0" x 4.0" x 52.0"	52.0'	6.50	0.00	
2	4.0" x 4.0" x 54.0"	54.0'	6.75	0.00	
2	4.0" x 4.0" x 56.0"	56.0'	7.00	0.00	
2	4.0" x 4.0" x 58.0"	58.0'	7.25	0.00	
2	4.0" x 4.0" x 60.0"	60.0'	7.50	0.00	
2	4.0" x 4.0" x 62.0"	62.0'	7.75	0.00	
2	4.0" x 4.0" x 64.0"	64.0'	8.00	0.00	
2	4.0" x 4.0" x 66.0"	66.0'	8.25	0.00	
2	4.0" x 4.0" x 68.0"	68.0'	8.50	0.00	
2	4.0" x 4.0" x 70.0"	70.0'	8.75	0.00	
2	4.0" x 4.0" x 72.0"	72.0'	9.00	0.00	
2	4.0" x 4.0" x 74.0"	74.0'	9.25	0.00	
2	4.0" x 4.0" x 76.0"	76.0'	9.50	0.00	
2	4.0" x 4.0" x 78.0"	78.0'	9.75	0.00	
2	4.0" x 4.0" x 80.0"	80.0'	10.00	0.00	
2	4.0" x 4.0" x 82.0"	82.0'	10.25	0.00	
2	4.0" x 4.0" x 84.0"	84.0'	10.50	0.00	
2	4.0" x 4.0" x 86.0"	86.0'	10.75	0.00	
2	4.0" x 4.0" x 88.0"	88.0'	11.00	0.00	
2	4.0" x 4.0" x 90.0"	90.0'	11.25	0.00	
2	4.0" x 4.0" x 92.0"	92.0'	11.50	0.00	
2	4.0" x 4.0" x 94.0"	94.0'	11.75	0.00	
2	4.0" x 4.0" x 96.0"	96.0'	12.00	0.00	
2	4.0" x 4.0" x 98.0"	98.0'	12.25	0.00	
2	4.0" x 4.0" x 100.0"	100.0'	12.50	0.00	

PROJECT NO. 3003
 ALDEN COUNTY
 STATION 15+60.5
 SPANS 2-11K
 SHEET 80F0

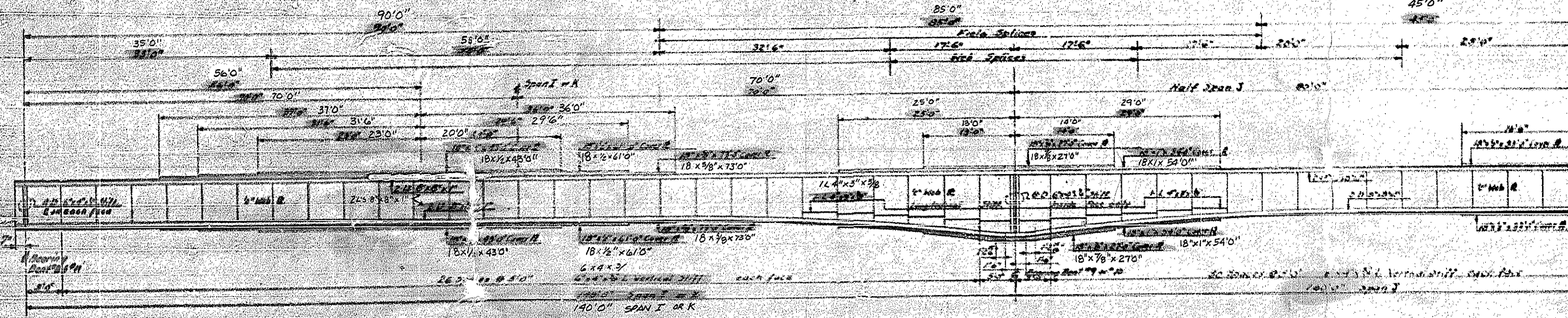
STATE OF NORTH CAROLINA
 STATE HIGHWAY AND
 PUBLIC WORKS COMMISSION
 SUPERSTRUCTURE

JUNE 1958

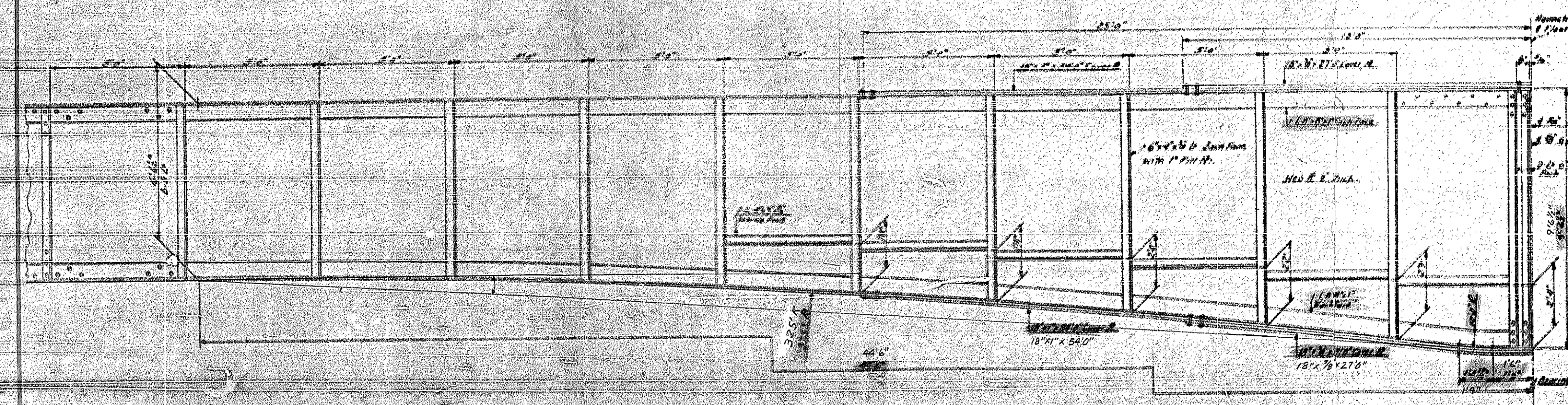
DESIGNED BY: [Name]
 CHECKED BY: [Name]
 DRAWN BY: [Name]
 DATE: [Date]



HALF PLAN
DIAGONAL BRACING AT 50% OF FLOOR SPAN



ELEVATION HALF-GIRDER

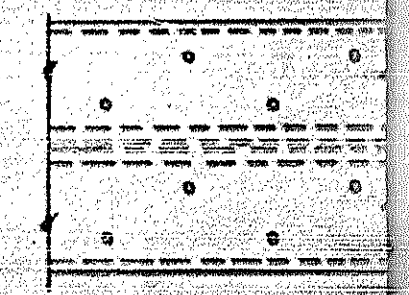


ELEVATION OF GIRDER AT HAUNCH

DATE	PROJECT NO.
5.10.35	3033
E.P.D. - SP-266 (1)	

NOTE
Use 3/8" rivets with 3/8" holes.
Maximum Rivet Spacing:
The maximum rivet spacing shall be as follows:
1 - 40 to web flange
2 - Cover flange to 4" 6"
3 - Stiffeners at haunch 4"
4 - All other stiffeners 6"

General bracing shall be done with corner plates assembled.
Field splices shall be field bolted using high strength bolts in accordance with the provisions of the girder splices shall be field bolted before transportation date. See Article 207-3.1 (a) on page 228 of the Standard Specifications.



DETAIL SHOWING GIRDERS

Note: Spacing of rivets shall be in accordance with the provisions of the girder splices shall be field bolted before transportation date. See Article 207-3.1 (a) on page 228 of the Standard Specifications.

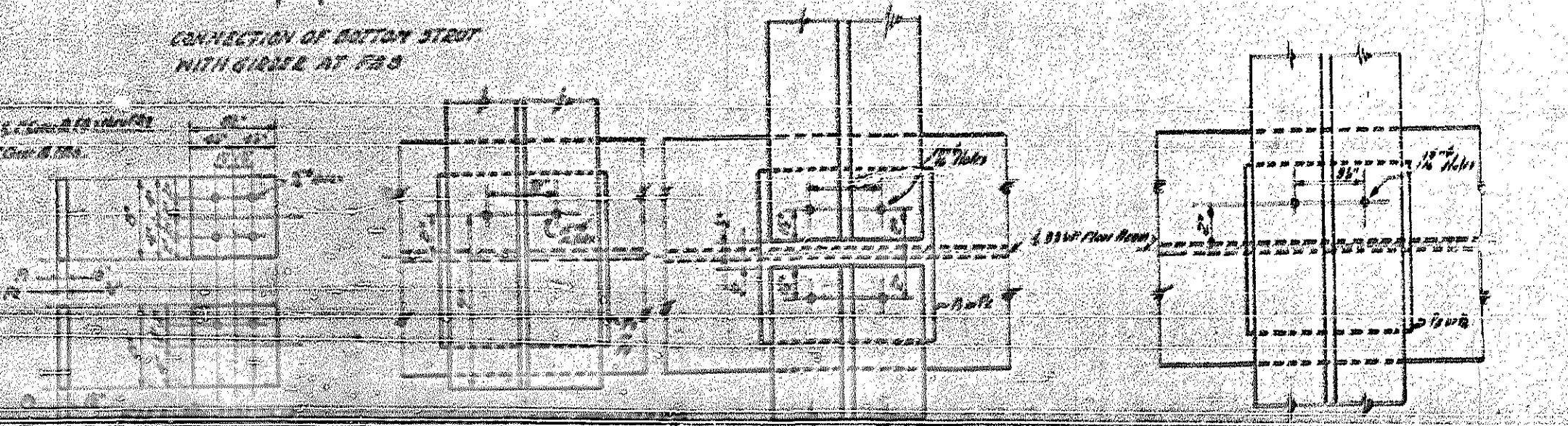
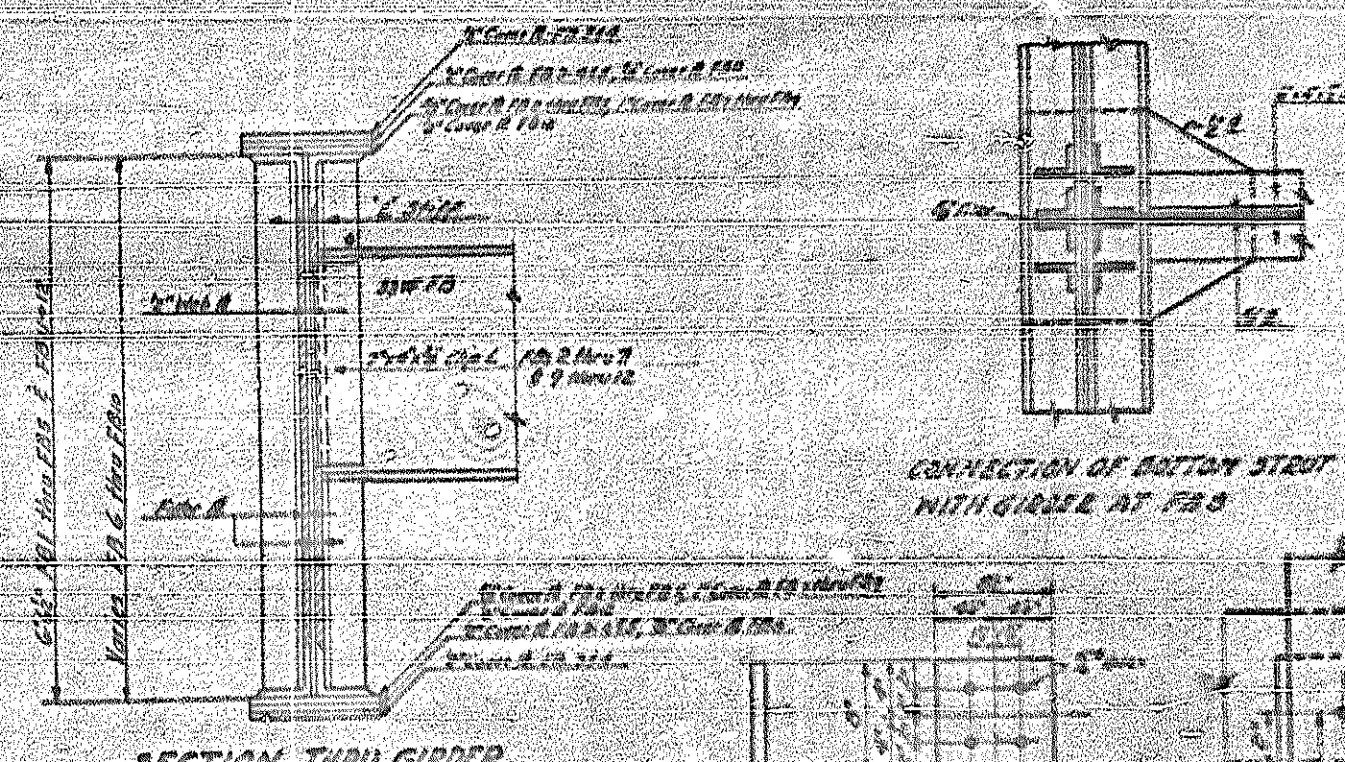
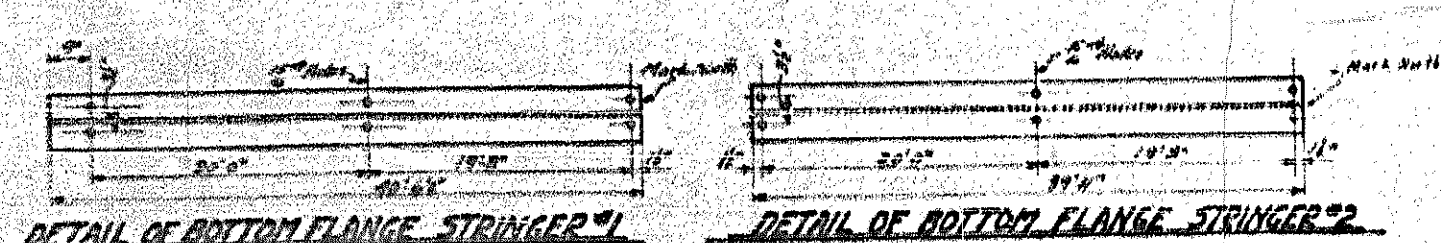
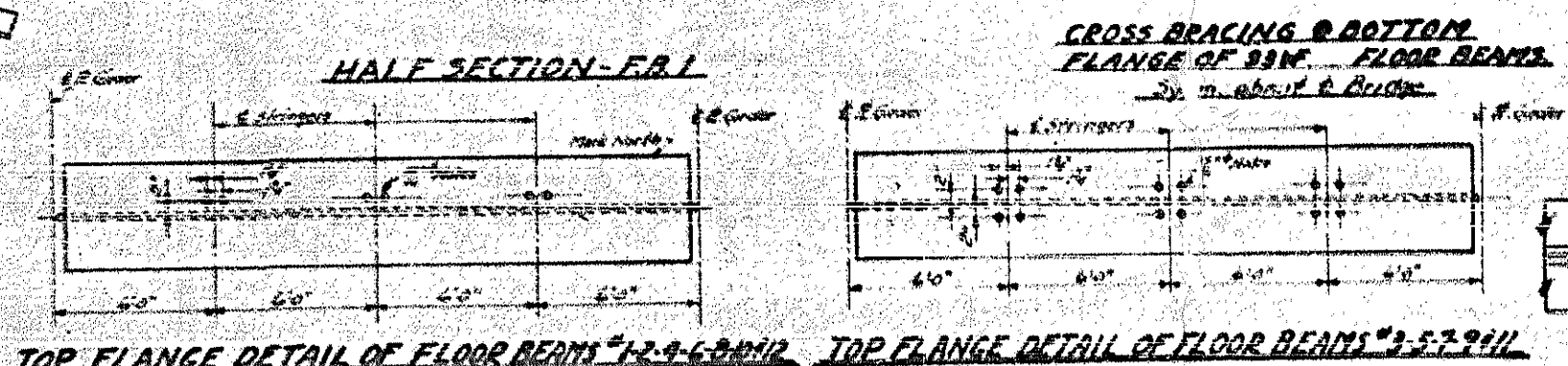
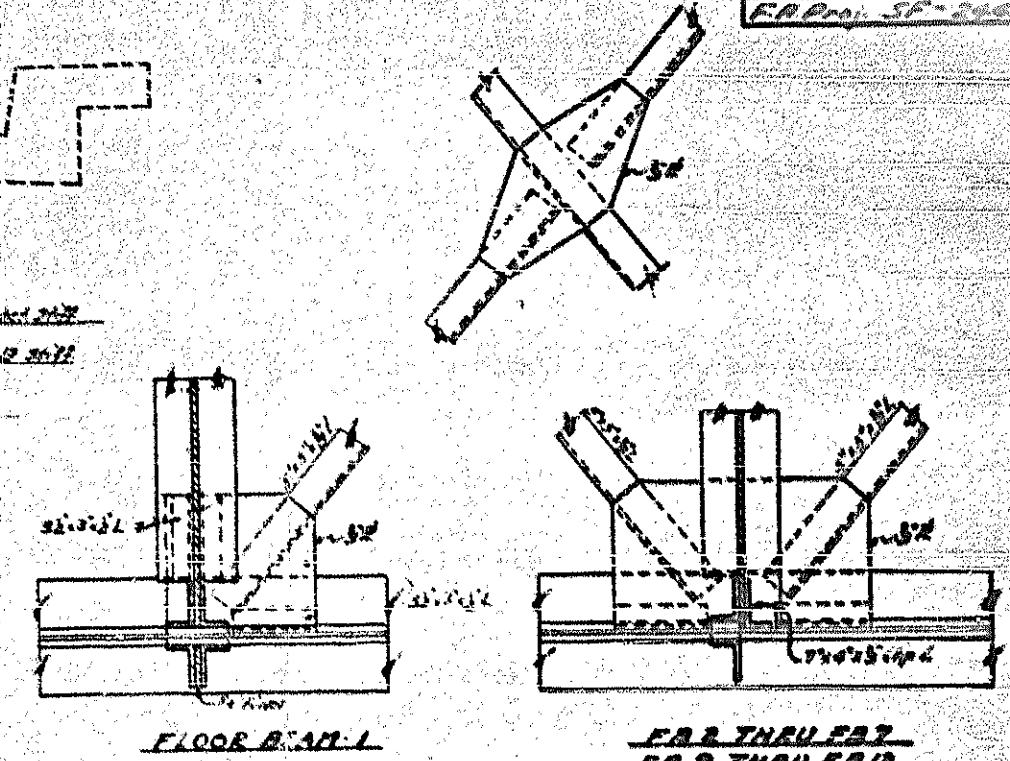
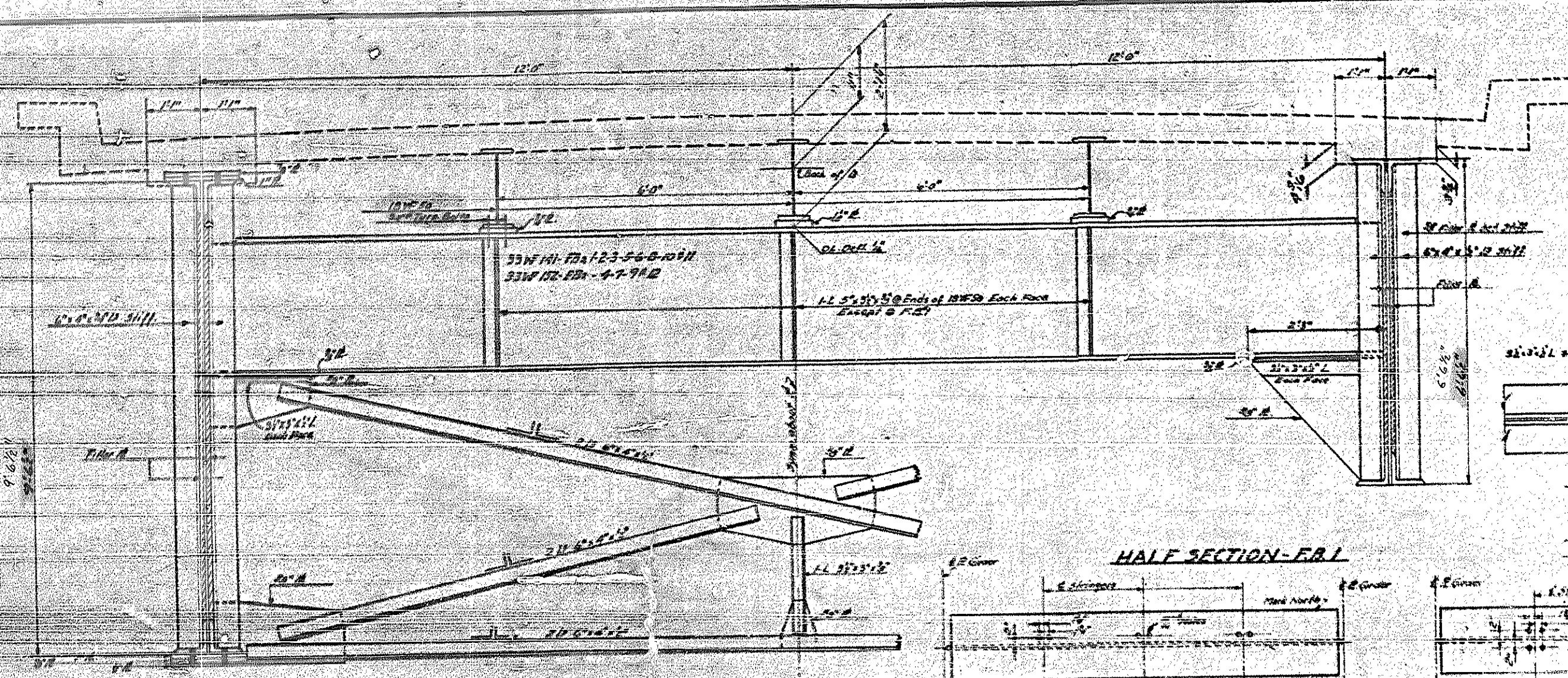
55
90
45
22.0
1.40
1.00
100' span

PROJECT NO. 3033
BLADEN COUNTY
STATION 15+60.5

STATE OF NORTH CAROLINA
STATE HIGHWAY AND
PUBLIC WORKS COMMISSION
**DETAIL OF
PLATE GIRDER**

MAY 1936
W. H. ...

FILE NO.	STATE	PROJECT NO.
3	N.C.	3083
F.P.D. No. SF-248(1)		



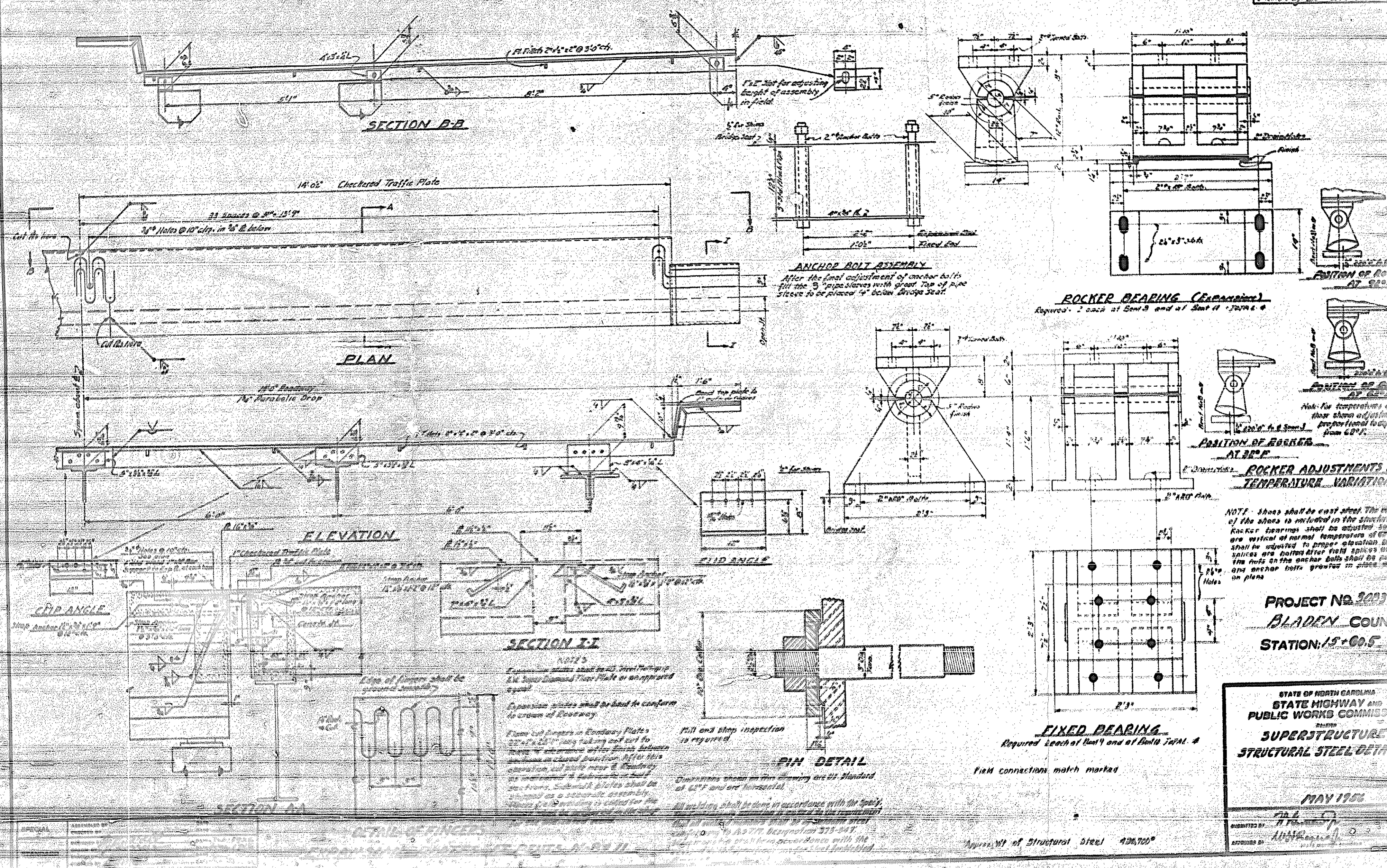
PROJECT No. 3083
BLADEN COUNTY
STATION: 15+60.5

STATE OF NORTH CAROLINA
STATE HIGHWAY AND
PUBLIC WORKS COMMISSION
DESIGNED BY
STRUCTURAL STEEL DETAIL
SECTIONS & BRACING
CONNECTIONS
MAY 1956

SPECIAL	DESIGNED BY
STANDARD	APPROVED BY

APPROVED BY
MAY 1956

PROJECT NO.	3093
DATE	MAY 1956
BY	H. H. ...
CHECKED BY	...



ANCHOR BOLT ASSEMBLY
 After the final adjustment of anchor bolts fill the 3" spaces with grout. Top of pipe flange to be placed in bottom bridge seat.

ROCKER BEARING (Expansion)
 Required: 2 each at Bent 9 and at Bent 11, Total 4

ROCKER ADJUSTMENTS (TEMPERATURE VARIATION)

NOTE: Shims shall be cast steel. The top of the shims to be included in the structural rocker bearings shall be adjusted so that they are vertical at normal temperature. Shims shall be adjusted to proper elevation after spikes are drilled after field spikes are in place and anchor bolts shall be placed and anchor bolts grouted in place as shown on plans.

PROJECT NO. 3093
BLADEN COUNTY
STATION: 15+00.5

STATE OF NORTH CAROLINA
 STATE HIGHWAY AND
 PUBLIC WORKS COMMISSION
 SUPERSTRUCTURE
 STRUCTURAL STEEL DETAIL

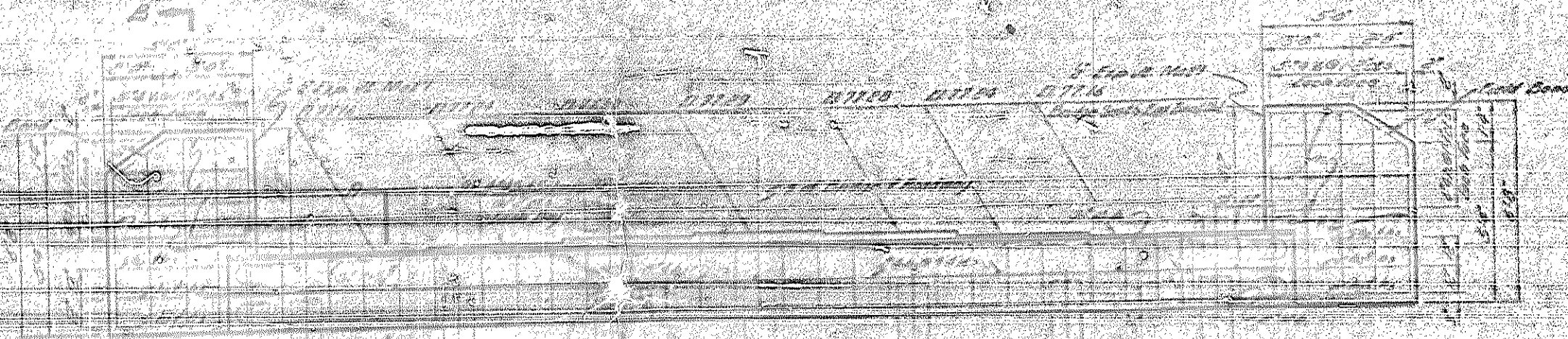
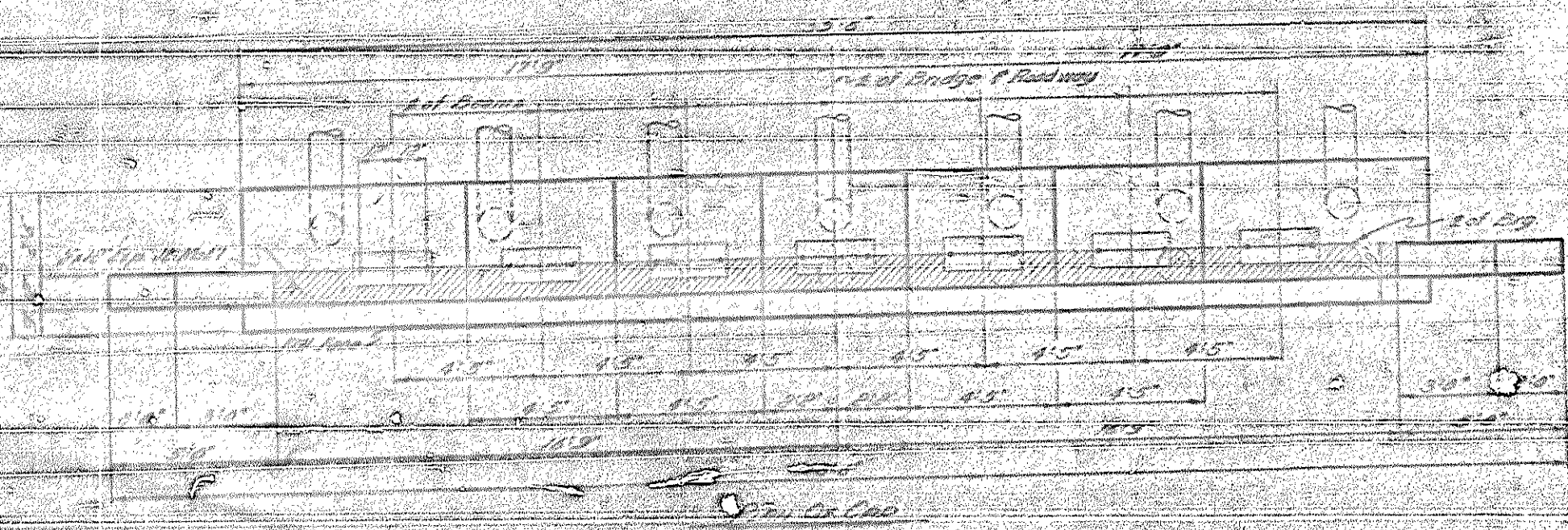
MAY 1956

FIXED BEARING
 Required: Each of Bent 9 and at Bent 11, Total 4

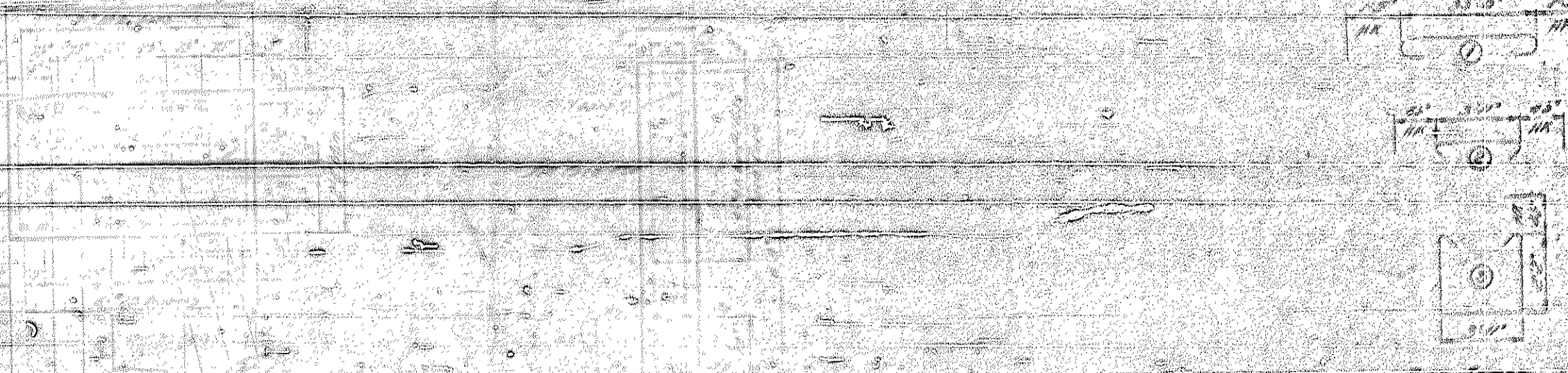
Field connections match marked

Approved: [Signature] of Structural Steel 426,700*

DESIGNED BY	H. H. ...
CHECKED BY	...
DATE	MAY 1956



Note: This shall be drawn to minimum bearing capacity of 10 tons each.



Bill Of Materials For One End Bent

Qty	No	Size	Length	Weight	Notes
1	1	12"	10'	100	
1	2	12"	10'	100	
1	3	12"	10'	100	
1	4	12"	10'	100	
1	5	12"	10'	100	
1	6	12"	10'	100	
1	7	12"	10'	100	
1	8	12"	10'	100	
1	9	12"	10'	100	
1	10	12"	10'	100	

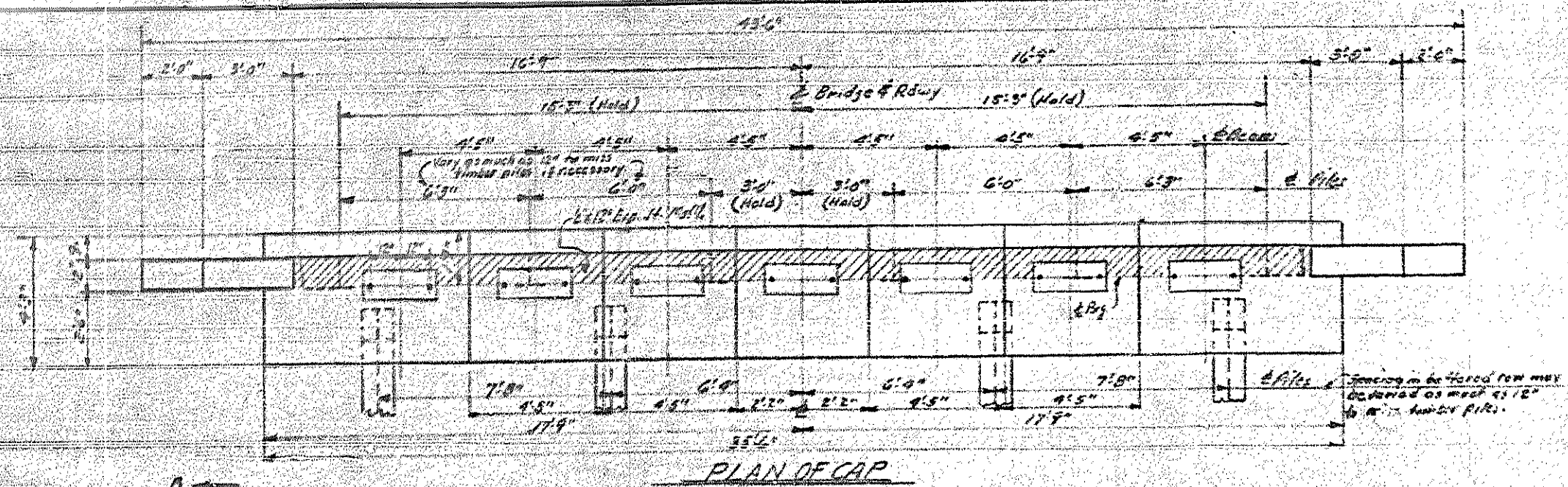
Sheet No. 6
Page No. 3

PROJECT NO. 3003
ALDEN COUNTY
STATION 15+00 S
End Bent No 1

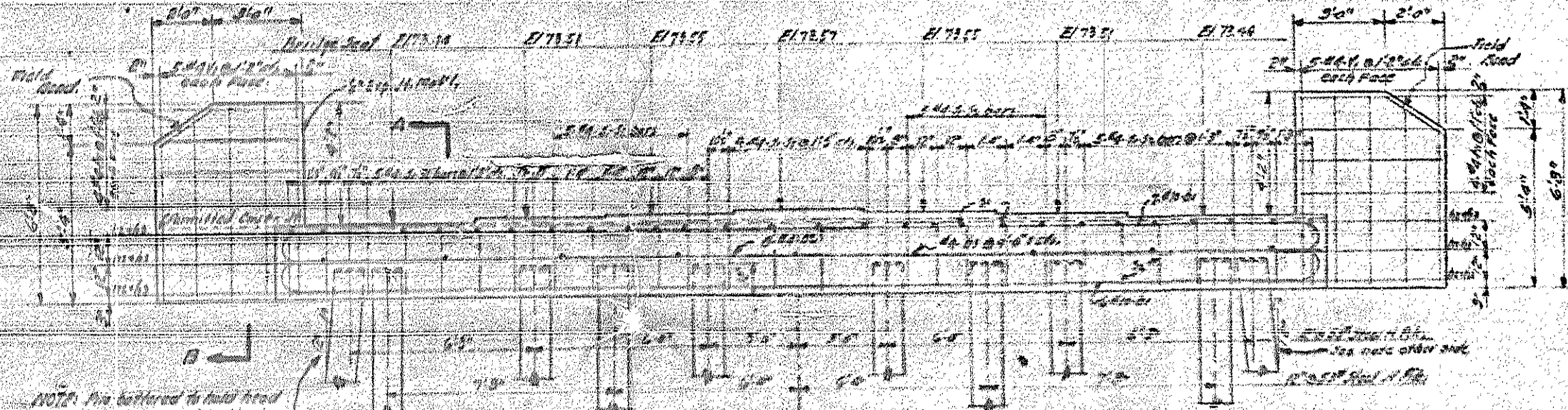
STATE OF NORTH CAROLINA
STATE HIGHWAY AND
PUBLIC WORKS COMMISSION
DESIGNED
SUBSTRUCTURE

DATE 10/15/28
DRAWN BY [Signature]

Sheet No.	69	of 70	Scale	1" = 10'-0"
Project No.	ALDEN COUNTY			
Station	1+50.00			

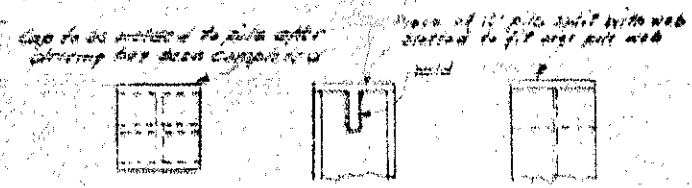


PLAN OF CAP



ELEVATION

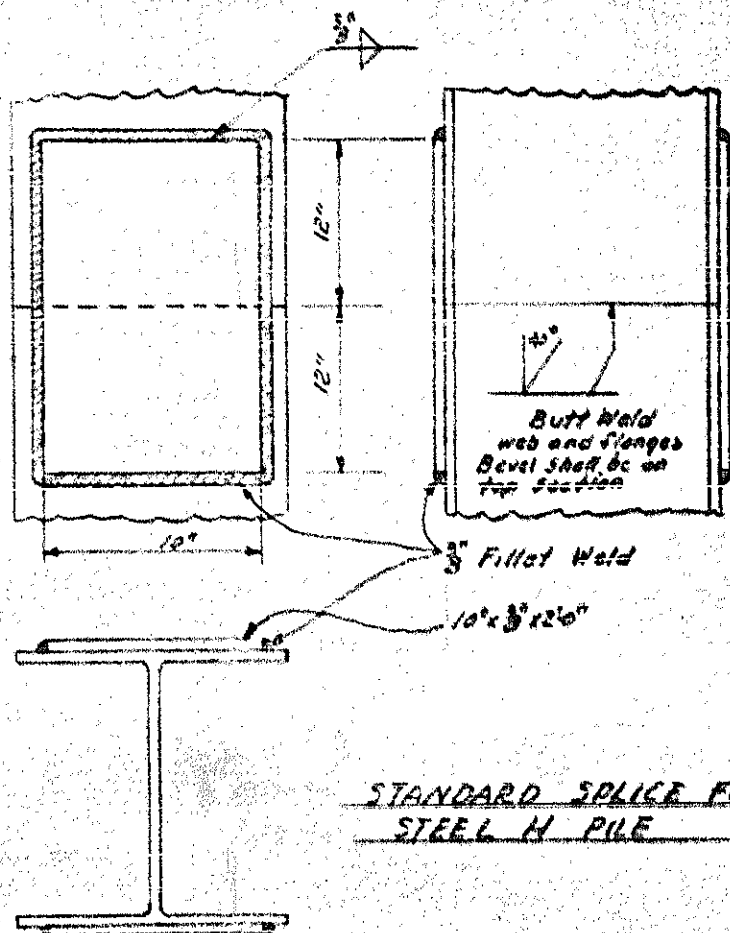
NOTE: The battered to hold head position and to miss timber piles. Rate of batter may be reduced from the 1" = 12" shown.



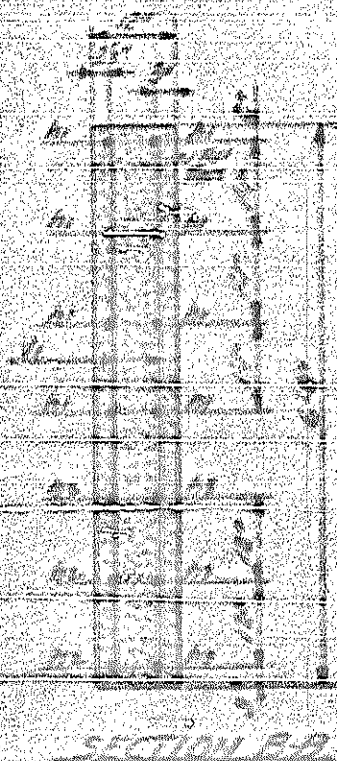
PILE CAP DETAIL

NOTE: Cost of pile caps complete in place to be included in the unit price for 12' to 54' H.P. All work away to be obtained from pile cut-off and each corner foot of pile cut-off not used for caps will be paid for as provided in the Spec. Splices for steel piles will be paid for at \$35 each.

NOTE: Piles shall be driven to a minimum bearing capacity of 45 tons each.



STANDARD SPLICE FOR STEEL H PILE



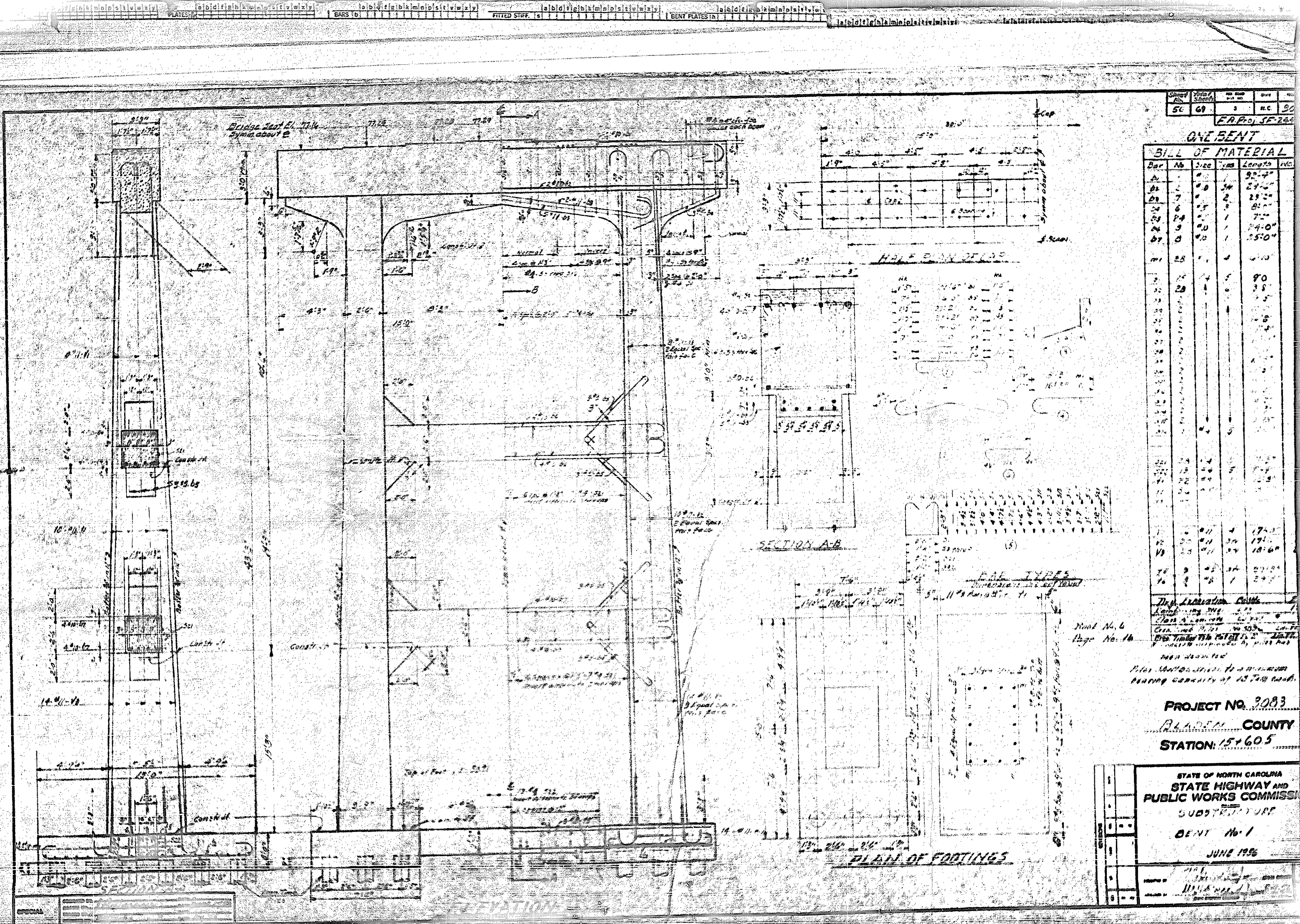
SECTION B-B

Row	No.	Type	Length	Weight
01	18	40	17'-10"	1116
02	18	40	10'-2"	100
03	9	40	8'-11"	80
04	20	40	4'-9"	87
05	20	40	4'-0"	700
06	16	20	4'-9"	50
07	6	20	5'-9"	21
08	6	20	6'-6"	100

Reinforcing Steel Lbs. 5547
 Cost of concrete 1110
 18" dia. cast in place for 10' length
 6" dia. cast in place for 10' length

See Extra Work Order No. 1

PROJECT No. 3291
 ALDEN COUNTY
 STATION: 1+50.00
 REINFORCED END ABUTMENT
 STATE OF NORTH CAROLINA
 STATE HIGHWAY AND
 PUBLIC WORKS COMMISSION
 SUBSTRUCTURE



Sheet No.	69	of 70
Project No.	S.F. 283	

ONE SENT

Bar	No.	Size	Length	Qty.
1	1	1/2"	10'-0"	1
2	2	3/4"	10'-0"	1
3	3	1"	10'-0"	1
4	4	1 1/4"	10'-0"	1
5	5	1 1/2"	10'-0"	1
6	6	1 3/4"	10'-0"	1
7	7	2"	10'-0"	1
8	8	2 1/4"	10'-0"	1
9	9	2 1/2"	10'-0"	1
10	10	2 3/4"	10'-0"	1
11	11	3"	10'-0"	1
12	12	3 1/4"	10'-0"	1
13	13	3 1/2"	10'-0"	1
14	14	3 3/4"	10'-0"	1
15	15	4"	10'-0"	1
16	16	4 1/4"	10'-0"	1
17	17	4 1/2"	10'-0"	1
18	18	4 3/4"	10'-0"	1
19	19	5"	10'-0"	1
20	20	5 1/4"	10'-0"	1
21	21	5 1/2"	10'-0"	1
22	22	5 3/4"	10'-0"	1
23	23	6"	10'-0"	1
24	24	6 1/4"	10'-0"	1
25	25	6 1/2"	10'-0"	1
26	26	6 3/4"	10'-0"	1
27	27	7"	10'-0"	1
28	28	7 1/4"	10'-0"	1
29	29	7 1/2"	10'-0"	1
30	30	7 3/4"	10'-0"	1
31	31	8"	10'-0"	1
32	32	8 1/4"	10'-0"	1
33	33	8 1/2"	10'-0"	1
34	34	8 3/4"	10'-0"	1
35	35	9"	10'-0"	1
36	36	9 1/4"	10'-0"	1
37	37	9 1/2"	10'-0"	1
38	38	9 3/4"	10'-0"	1
39	39	10"	10'-0"	1
40	40	10 1/4"	10'-0"	1
41	41	10 1/2"	10'-0"	1
42	42	10 3/4"	10'-0"	1
43	43	11"	10'-0"	1
44	44	11 1/4"	10'-0"	1
45	45	11 1/2"	10'-0"	1
46	46	11 3/4"	10'-0"	1
47	47	12"	10'-0"	1
48	48	12 1/4"	10'-0"	1
49	49	12 1/2"	10'-0"	1
50	50	12 3/4"	10'-0"	1
51	51	13"	10'-0"	1
52	52	13 1/4"	10'-0"	1
53	53	13 1/2"	10'-0"	1
54	54	13 3/4"	10'-0"	1
55	55	14"	10'-0"	1
56	56	14 1/4"	10'-0"	1
57	57	14 1/2"	10'-0"	1
58	58	14 3/4"	10'-0"	1
59	59	15"	10'-0"	1
60	60	15 1/4"	10'-0"	1
61	61	15 1/2"	10'-0"	1
62	62	15 3/4"	10'-0"	1
63	63	16"	10'-0"	1
64	64	16 1/4"	10'-0"	1
65	65	16 1/2"	10'-0"	1
66	66	16 3/4"	10'-0"	1
67	67	17"	10'-0"	1
68	68	17 1/4"	10'-0"	1
69	69	17 1/2"	10'-0"	1
70	70	17 3/4"	10'-0"	1
71	71	18"	10'-0"	1
72	72	18 1/4"	10'-0"	1
73	73	18 1/2"	10'-0"	1
74	74	18 3/4"	10'-0"	1
75	75	19"	10'-0"	1
76	76	19 1/4"	10'-0"	1
77	77	19 1/2"	10'-0"	1
78	78	19 3/4"	10'-0"	1
79	79	20"	10'-0"	1
80	80	20 1/4"	10'-0"	1
81	81	20 1/2"	10'-0"	1
82	82	20 3/4"	10'-0"	1
83	83	21"	10'-0"	1
84	84	21 1/4"	10'-0"	1
85	85	21 1/2"	10'-0"	1
86	86	21 3/4"	10'-0"	1
87	87	22"	10'-0"	1
88	88	22 1/4"	10'-0"	1
89	89	22 1/2"	10'-0"	1
90	90	22 3/4"	10'-0"	1
91	91	23"	10'-0"	1
92	92	23 1/4"	10'-0"	1
93	93	23 1/2"	10'-0"	1
94	94	23 3/4"	10'-0"	1
95	95	24"	10'-0"	1
96	96	24 1/4"	10'-0"	1
97	97	24 1/2"	10'-0"	1
98	98	24 3/4"	10'-0"	1
99	99	25"	10'-0"	1
100	100	25 1/4"	10'-0"	1

The Foundation will be constructed in accordance with the specifications for concrete and steel reinforcement.

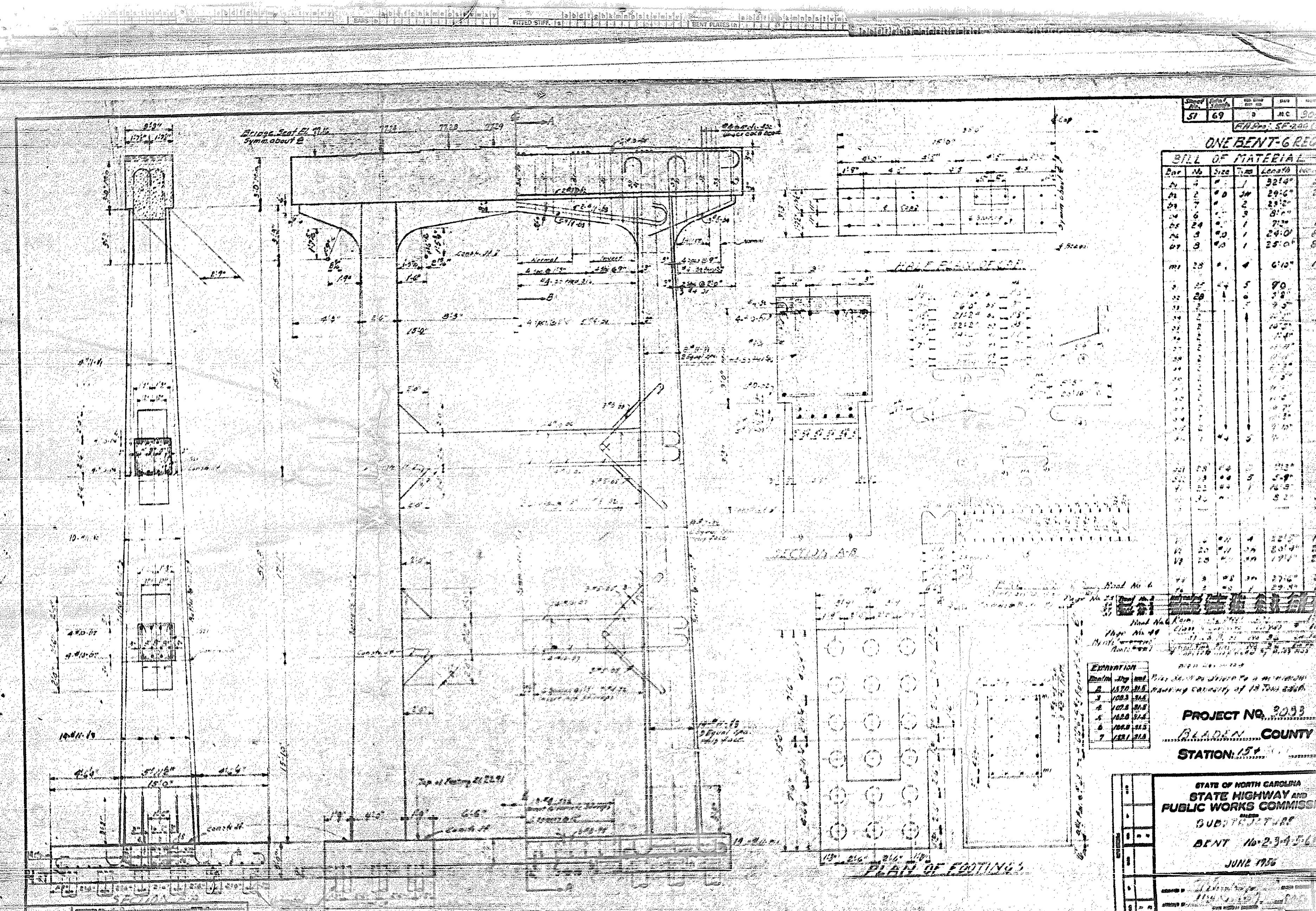
Notes: 1. All dimensions are in feet and inches.

2. The foundation is to be constructed on a bearing capacity of 15,000 lbs. per sq. ft.

PROJECT NO. 2083
BLADEN COUNTY
STATION: 15+60.5

STATE OF NORTH CAROLINA
STATE HIGHWAY AND
PUBLIC WORKS COMMISSION
SUBJECT: JRF
SENT No. 1
JUNE 1956

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



SI 69
 MC 90
 SF-200

ONE BENT-6 REQ

BILL OF MATERIAL

Bar No	Size	Length	Quantity
1	1 1/2"	32'4"	1
2	1 1/2"	29'6"	2
3	1 1/2"	28'0"	2
4	1 1/2"	24'0"	1
5	1 1/2"	24'0"	1
6	1 1/2"	25'0"	1
7	1 1/2"	6'10"	1
8	1 1/2"	9'0"	1
9	1 1/2"	9'5"	1
10	1 1/2"	10'0"	1
11	1 1/2"	10'5"	1
12	1 1/2"	11'0"	1
13	1 1/2"	11'5"	1
14	1 1/2"	12'0"	1
15	1 1/2"	12'5"	1
16	1 1/2"	13'0"	1
17	1 1/2"	13'5"	1
18	1 1/2"	14'0"	1
19	1 1/2"	14'5"	1
20	1 1/2"	15'0"	1
21	1 1/2"	15'5"	1
22	1 1/2"	16'0"	1
23	1 1/2"	16'5"	1
24	1 1/2"	17'0"	1
25	1 1/2"	17'5"	1
26	1 1/2"	18'0"	1
27	1 1/2"	18'5"	1
28	1 1/2"	19'0"	1
29	1 1/2"	19'5"	1
30	1 1/2"	20'0"	1
31	1 1/2"	20'5"	1
32	1 1/2"	21'0"	1
33	1 1/2"	21'5"	1
34	1 1/2"	22'0"	1
35	1 1/2"	22'5"	1
36	1 1/2"	23'0"	1
37	1 1/2"	23'5"	1
38	1 1/2"	24'0"	1
39	1 1/2"	24'5"	1
40	1 1/2"	25'0"	1
41	1 1/2"	25'5"	1
42	1 1/2"	26'0"	1
43	1 1/2"	26'5"	1
44	1 1/2"	27'0"	1
45	1 1/2"	27'5"	1
46	1 1/2"	28'0"	1
47	1 1/2"	28'5"	1
48	1 1/2"	29'0"	1
49	1 1/2"	29'5"	1
50	1 1/2"	30'0"	1
51	1 1/2"	30'5"	1
52	1 1/2"	31'0"	1
53	1 1/2"	31'5"	1
54	1 1/2"	32'0"	1
55	1 1/2"	32'5"	1
56	1 1/2"	33'0"	1
57	1 1/2"	33'5"	1
58	1 1/2"	34'0"	1
59	1 1/2"	34'5"	1
60	1 1/2"	35'0"	1
61	1 1/2"	35'5"	1
62	1 1/2"	36'0"	1
63	1 1/2"	36'5"	1
64	1 1/2"	37'0"	1
65	1 1/2"	37'5"	1
66	1 1/2"	38'0"	1
67	1 1/2"	38'5"	1
68	1 1/2"	39'0"	1
69	1 1/2"	39'5"	1
70	1 1/2"	40'0"	1
71	1 1/2"	40'5"	1
72	1 1/2"	41'0"	1
73	1 1/2"	41'5"	1
74	1 1/2"	42'0"	1
75	1 1/2"	42'5"	1
76	1 1/2"	43'0"	1
77	1 1/2"	43'5"	1
78	1 1/2"	44'0"	1
79	1 1/2"	44'5"	1
80	1 1/2"	45'0"	1
81	1 1/2"	45'5"	1
82	1 1/2"	46'0"	1
83	1 1/2"	46'5"	1
84	1 1/2"	47'0"	1
85	1 1/2"	47'5"	1
86	1 1/2"	48'0"	1
87	1 1/2"	48'5"	1
88	1 1/2"	49'0"	1
89	1 1/2"	49'5"	1
90	1 1/2"	50'0"	1
91	1 1/2"	50'5"	1
92	1 1/2"	51'0"	1
93	1 1/2"	51'5"	1
94	1 1/2"	52'0"	1
95	1 1/2"	52'5"	1
96	1 1/2"	53'0"	1
97	1 1/2"	53'5"	1
98	1 1/2"	54'0"	1
99	1 1/2"	54'5"	1
100	1 1/2"	55'0"	1

EXAMINATION
 Date: 1/15/25
 By: J. H. Smith
 Result: Satisfactory

PROJECT NO. 9053
 BLADEN COUNTY
 STATION: 15+

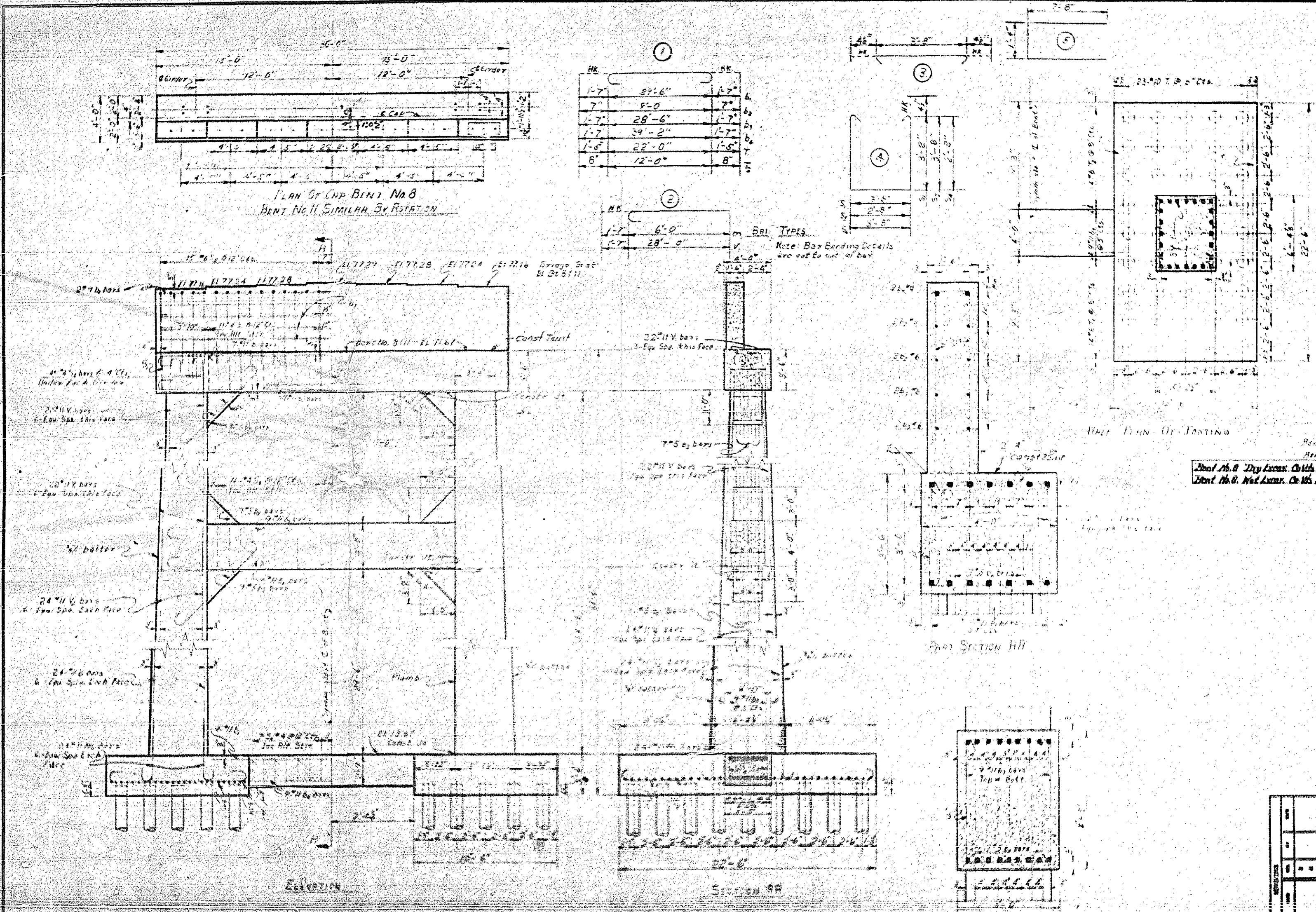
STATE OF NORTH CAROLINA
 STATE HIGHWAY AND
 PUBLIC WORKS COMMISSION
 SUB-PROJECT
 BENT No. 23456
 JUNE 1925

SPECIAL

EXPLANATION

PLAN OF FOOTINGS

30
22
REQ
NTY
INA
AND
VISSI



Sheet No.	Total Sheets	Sheet No.	Scale
52	69	8	NC 30

BILL OF MATERIAL					
Type Rein					
Qty	No.	Size	Length	Weight	
1	1	3"	10'	120	
1	2	3"	10'	120	
1	3	3"	10'	120	
1	4	3"	10'	120	
1	5	3"	10'	120	
1	6	3"	10'	120	
1	7	3"	10'	120	
1	8	3"	10'	120	
1	9	3"	10'	120	
1	10	3"	10'	120	
1	11	3"	10'	120	
1	12	3"	10'	120	
1	13	3"	10'	120	
1	14	3"	10'	120	
1	15	3"	10'	120	
1	16	3"	10'	120	
1	17	3"	10'	120	
1	18	3"	10'	120	
1	19	3"	10'	120	
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1	27	3"	10'	120	
1	28	3"	10'	120	
1	29	3"	10'	120	
1	30	3"	10'	120	
1	31	3"	10'	120	
1	32	3"	10'	120	
1	33	3"	10'	120	
1	34	3"	10'	120	
1	35	3"	10'	120	
1	36	3"	10'	120	
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1	44	3"	10'	120	
1	45	3"	10'	120	
1	46	3"	10'	120	
1	47	3"	10'	120	
1	48	3"	10'	120	
1	49	3"	10'	120	
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1	52	3"	10'	120	
1	53	3"	10'	120	
1	54	3"	10'	120	
1	55	3"	10'	120	
1	56	3"	10'	120	
1	57	3"	10'	120	
1	58	3"	10'	120	
1	59	3"	10'	120	
1	60	3"	10'	120	
1	61	3"	10'	120	
1	62	3"	10'	120	
1	63	3"	10'	120	
1	64	3"	10'	120	
1	65	3"	10'	120	
1	66	3"	10'	120	
1	67	3"	10'	120	
1	68	3"	10'	120	
1	69	3"	10'	120	

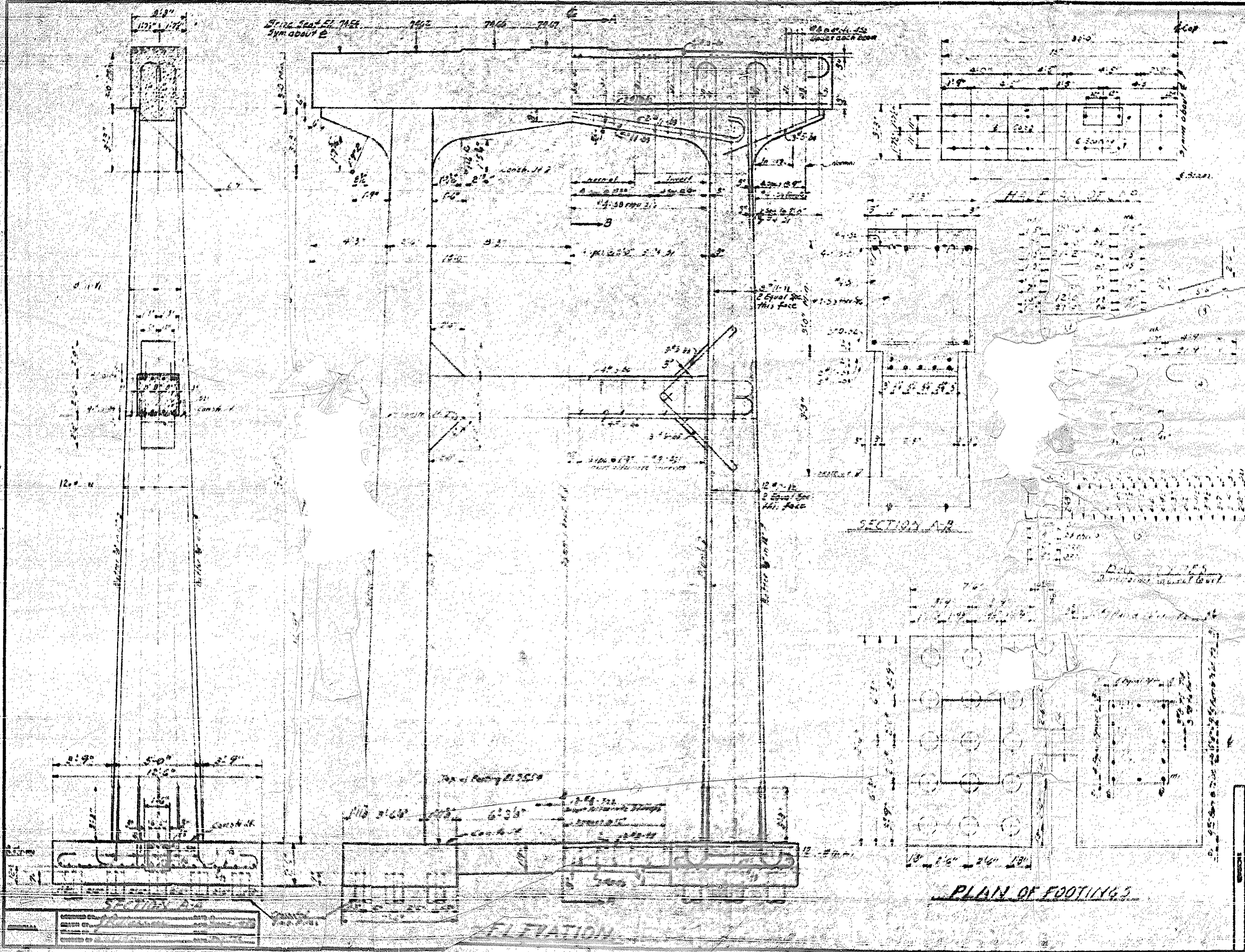
Sheet No. 8 Dry Locus, Co. 116, 2555 Sheet No. 11 Dry Locus, Co. 116, 2555
Sheet No. 8, 116, 2555 Sheet No. 11, 116, 2555

*Concrete reinforced by piles has been deducted.
Piles shall be driven to a minimum bearing capacity of 15 tons each.

PROJECT NO. 3083
BLADEN COUNTY
STATION: 15+60.5

STATE OF NORTH CAROLINA
STATE HIGHWAY AND
PUBLIC WORKS COMMISSION
SUBSTRUCTURE
BENTS 08H
JUNE, 1956

DESIGNED BY: [Signature]
CHECKED BY: [Signature]



Sheet No.	Total Sheets	Scale	Sheet No.	Total Sheets
58	69	1" = 10'	NC	50

ONE BENT

BILL OF MATERIAL

Qty	No.	Size	Length	Vol.
24	4	#4	32'0"	
24	4	#4	29'0"	
24	7	#4	28'0"	
24	6	#4	28'0"	
24	12	#4	7'0"	
24	5	#4	24'0"	
24	1	#4		
24	24	#4	6'0"	
24	25	#4	9'0"	
24	26	#4	7'0"	
24	27	#4	7'0"	
24	28	#4	7'0"	
24	29	#4	7'0"	
24	30	#4	7'0"	
24	31	#4	7'0"	
24	32	#4	7'0"	
24	33	#4	7'0"	
24	34	#4	7'0"	
24	35	#4	7'0"	
24	36	#4	7'0"	
24	37	#4	7'0"	
24	38	#4	7'0"	
24	39	#4	7'0"	
24	40	#4	7'0"	
24	41	#4	7'0"	
24	42	#4	7'0"	
24	43	#4	7'0"	
24	44	#4	7'0"	
24	45	#4	7'0"	
24	46	#4	7'0"	
24	47	#4	7'0"	
24	48	#4	7'0"	
24	49	#4	7'0"	
24	50	#4	7'0"	
24	51	#4	7'0"	
24	52	#4	7'0"	
24	53	#4	7'0"	
24	54	#4	7'0"	
24	55	#4	7'0"	
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24	57	#4	7'0"	
24	58	#4	7'0"	
24	59	#4	7'0"	
24	60	#4	7'0"	
24	61	#4	7'0"	
24	62	#4	7'0"	
24	63	#4	7'0"	
24	64	#4	7'0"	
24	65	#4	7'0"	
24	66	#4	7'0"	
24	67	#4	7'0"	
24	68	#4	7'0"	
24	69	#4	7'0"	

Day Location: ...
 Date: ...
 Scale: ...
 Drawn by: ...
 Checked by: ...

PROJECT NO. 3093
BLADEN COUNTY
STATION: 15+40

STATE OF NORTH CAROLINA
 STATE HIGHWAY AND
 PUBLIC WORKS COMMISSION
 BENT No. 14
 JUNE 1956