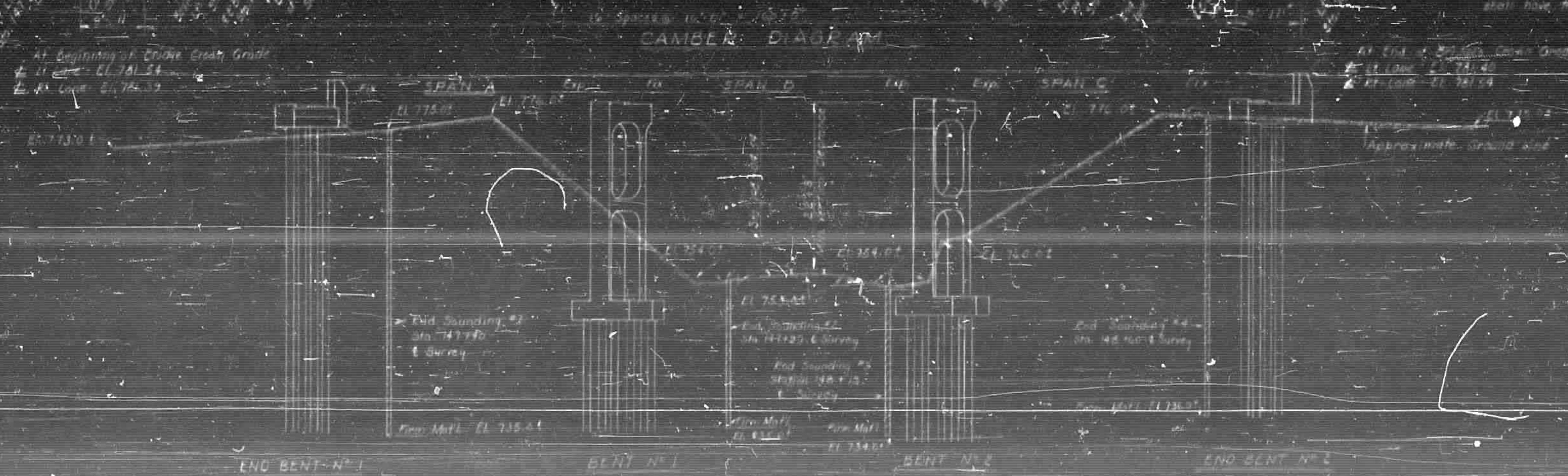
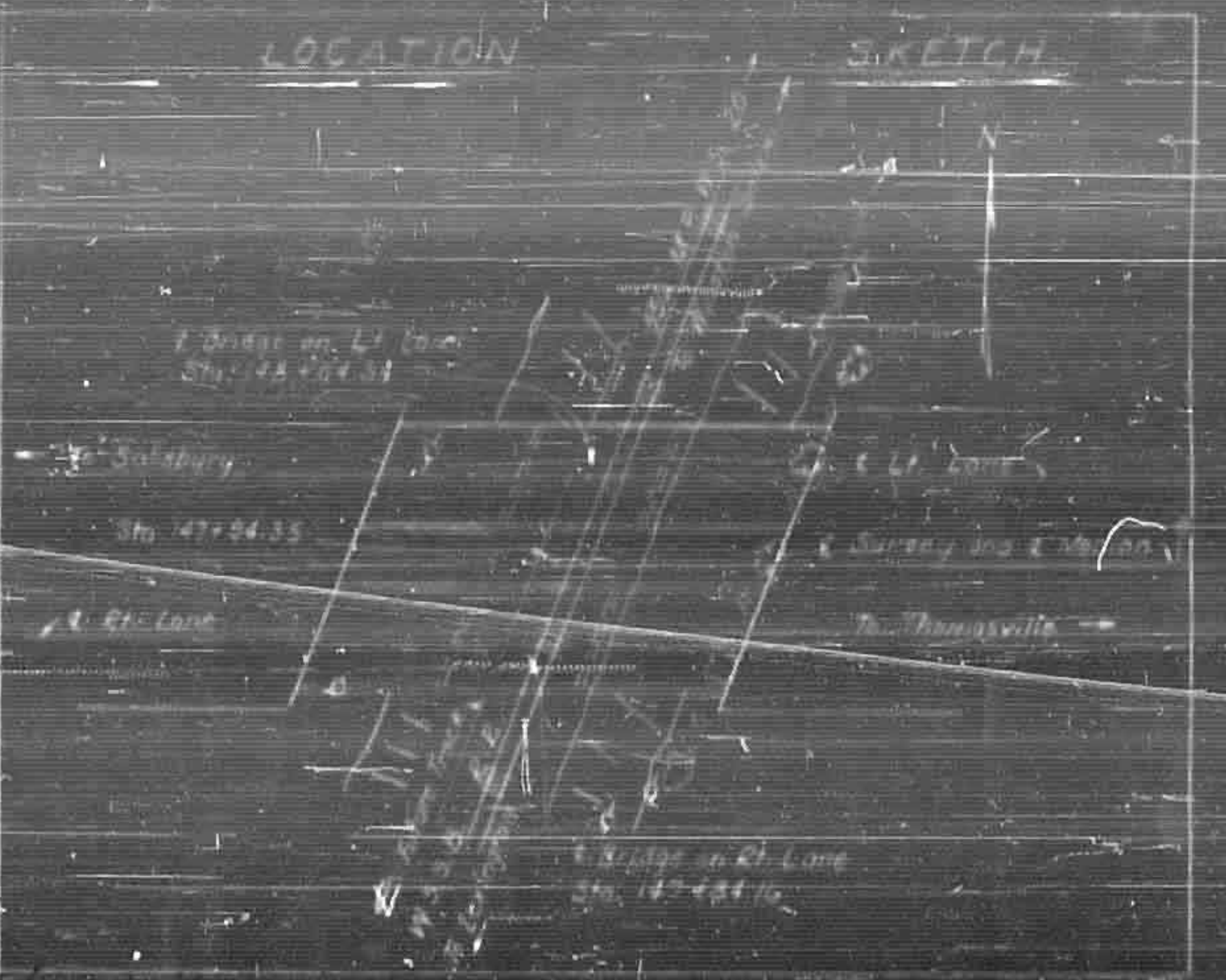




NOTE: The bridge is to be built on a firm foundation. The foundation shall be constructed of concrete and shall be designed to carry the full load of the bridge. The foundation shall be constructed of concrete and shall be designed to carry the full load of the bridge. The foundation shall be constructed of concrete and shall be designed to carry the full load of the bridge.

NOTE: The bridge is to be built on a firm foundation. The foundation shall be constructed of concrete and shall be designed to carry the full load of the bridge. The foundation shall be constructed of concrete and shall be designed to carry the full load of the bridge. The foundation shall be constructed of concrete and shall be designed to carry the full load of the bridge.



PROJECT NO. 5284
DAVIDSON COUNTY
STATION: 147+94.35-15
PART B

BILL OF MATERIAL FOR ONE BRIDGE - LEFT LANE

Item	Class	Quantity	Unit	Weight	Volume	Area	Perimeter	Surface	Volume	Area	Perimeter	Surface
Substructure	Concrete	17.6	cu yd	110,000	1700							
Superstructure	Steel	11.2	tons	367								
End Bent No. 1	Concrete	40.6	cu yd	2195								
End Bent No. 2	Concrete	20.6	cu yd	1145								
End Bent No. 3	Concrete	11.5	cu yd	6222								
End Bent No. 4	Concrete	1.9	cu yd	120								
TOTAL		147.9		110,000	1700							

BILL OF MATERIAL FOR ONE BRIDGE - RIGHT LANE

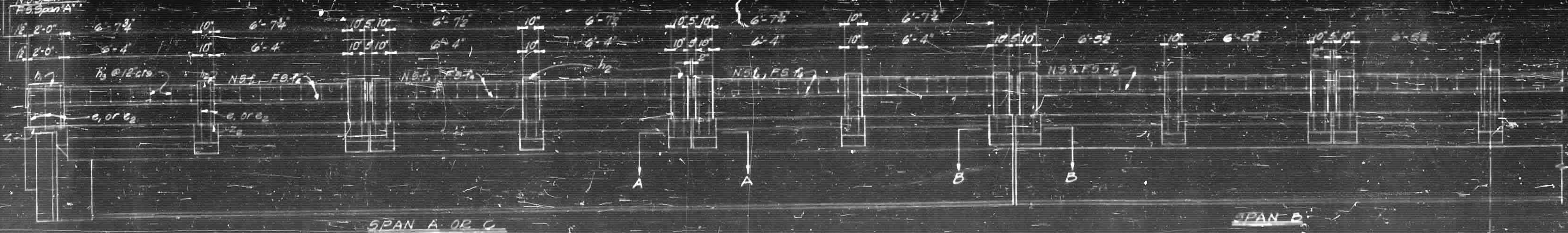
Item	Class	Quantity	Unit	Weight	Volume	Area	Perimeter	Surface	Volume	Area	Perimeter	Surface
Substructure	Concrete	17.6	cu yd	110,000	1700							
Superstructure	Steel	11.2	tons	367								
End Bent No. 1	Concrete	40.6	cu yd	2195								
End Bent No. 2	Concrete	20.6	cu yd	1145								
End Bent No. 3	Concrete	11.5	cu yd	6222								
End Bent No. 4	Concrete	1.9	cu yd	120								
TOTAL		147.9		110,000	1700							

STATE OF NORTH CAROLINA
STATE HIGHWAY AND
PUBLIC WORKS COMMISSION
DAVIDSON COUNTY
BRIDGE NO. 147+94.35-15
BETWEEN SALISBURY AND THOMASVILLE
JANUARY 1950
SUBMITTED BY
APPROVED BY

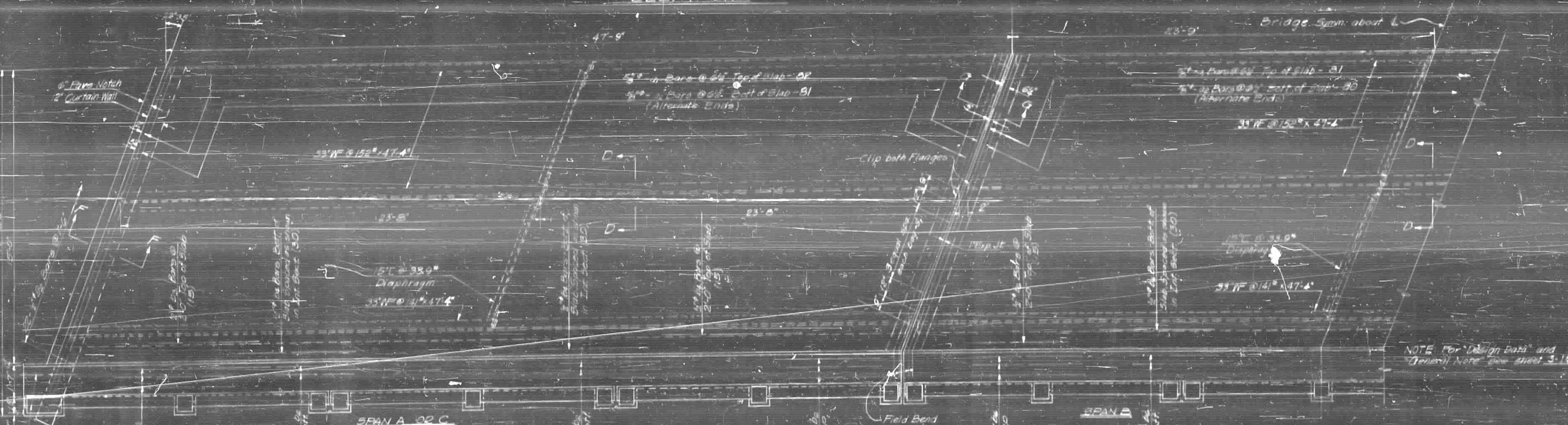
SPECIAL
DESIGNED BY
DRAWN BY
CHECKED BY
DATE

N.S. Span A
N.S. Span B
N.S. Span C
N.S. Span D

FED. ROAD DIST. NO.	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.C.	5284	531	1



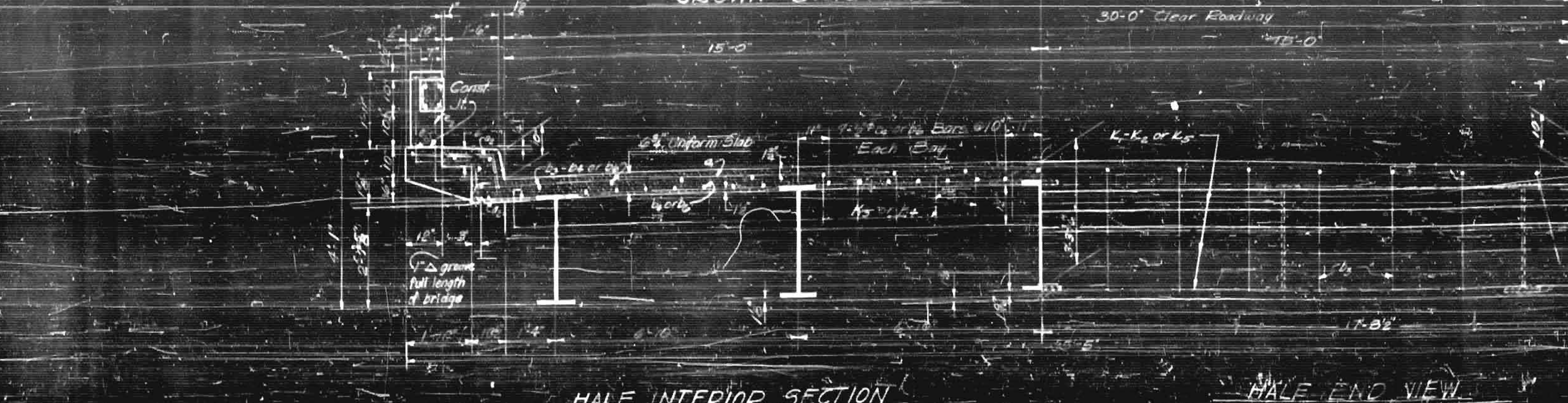
ELEVATION



PART PLAN



CROWN DIAGRAM



HALF INTERIOR SECTION

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 at the vertical curve.

Max. All. Def. Ext. Beam = 7/8"
Max. All. Def. Int. Beam = 7/8"

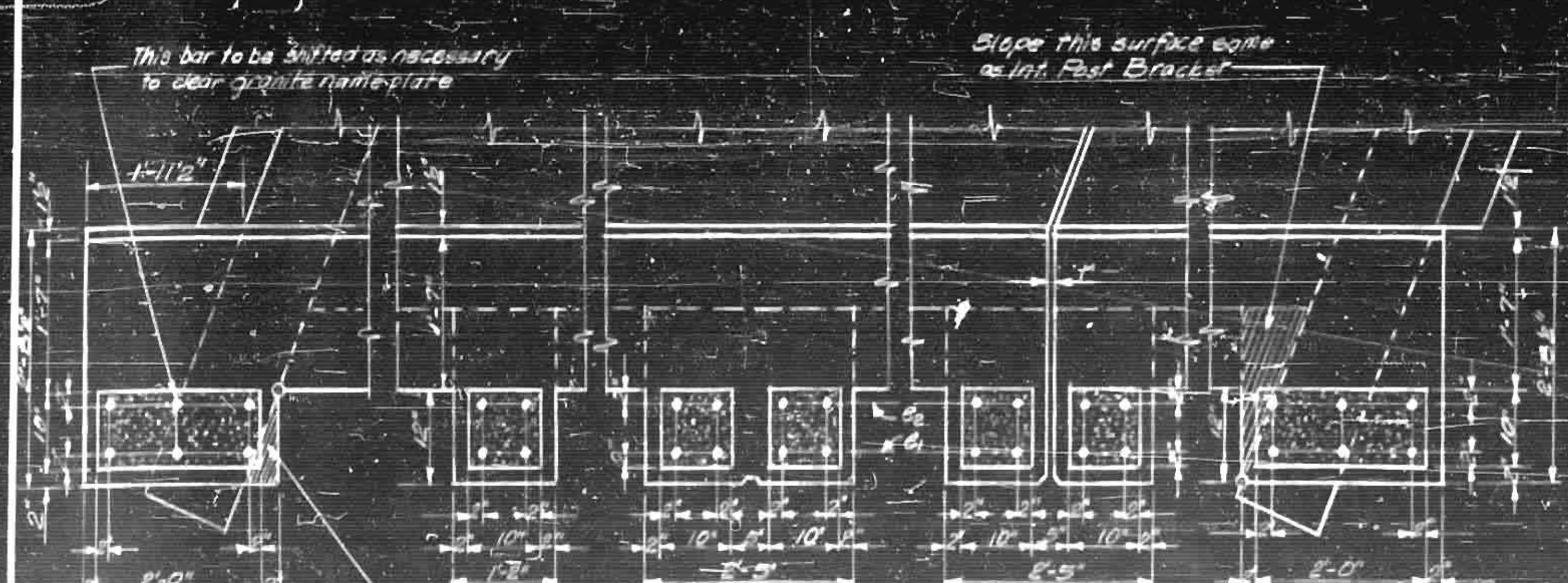
PROJECT NO. 5284
DAVIDSON COUNTY
STATION: 147 + 94.35 L5
- PART B

NOTE: Method "A" waterproofing to be placed over the fill side of joints between substructure and superstructure. Strips of waterproofing, to be 2'-0" wide and placed symmetrical about the joint. Asphalt for mape coat shall conform to the requirements for Type "A" asphalt of A.A.S.H.O. Spec. M-115 see Specifications.

STATE OF NORTH CAROLINA
STATE HIGHWAY AND
PUBLIC WORKS COMMISSION
BALDWIN
SUPERSTRUCTURE DETAILS
JANUARY 1950

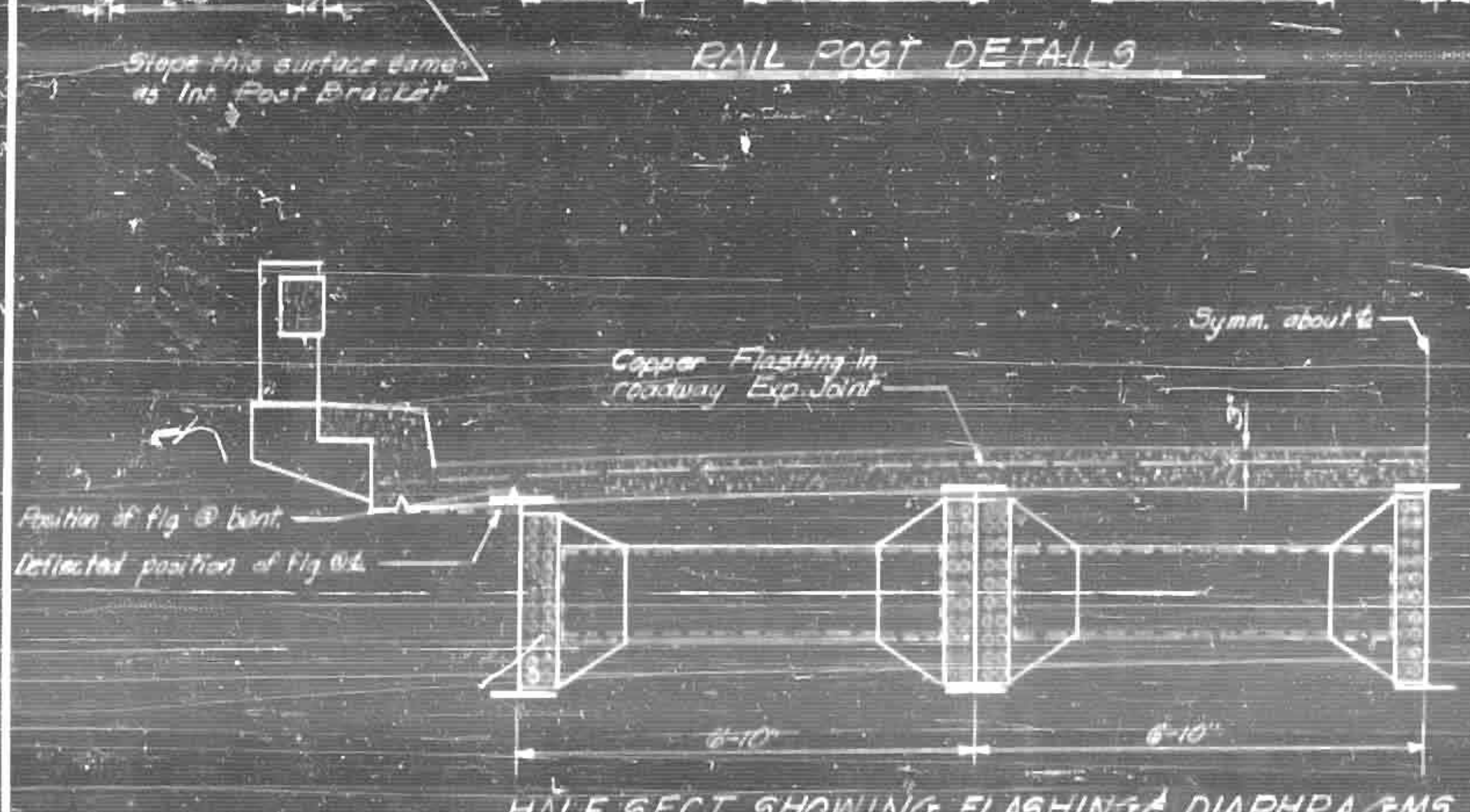
SPECIAL	DESIGNED BY	DATE
	TRACED BY	DATE
	CHECKED BY	DATE

SUBMITTED BY	BRIDGE EN.
APPROVED BY	DATE



RAIL POST DETAILS

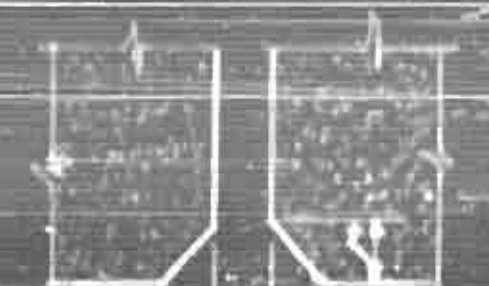
NOTE: Copper flashing shall be placed in joints between spans as shown. See Specs. Flashing may be applied in order to obtain lengths required. Joints to be soldered. See Specs.



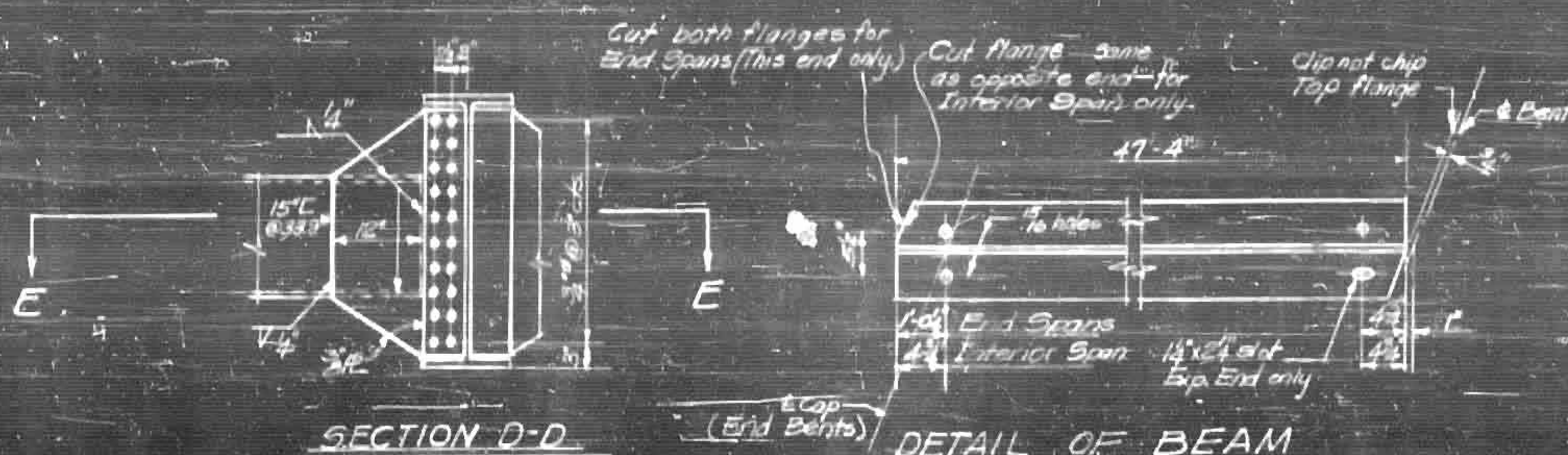
HALF SECT. SHOWING FLASHING & DIAPHRAGMS



SECTION A-A



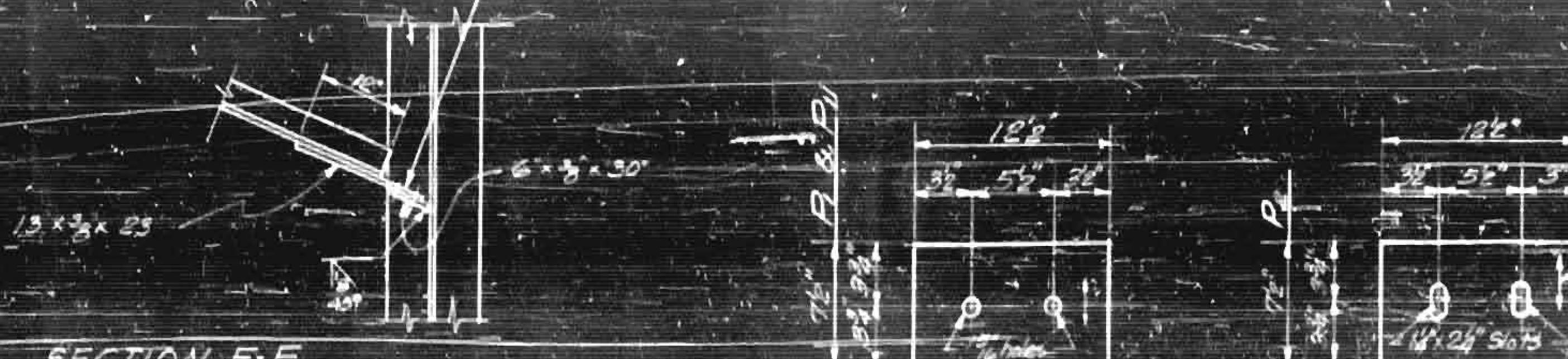
SECTION B-B



SECTION D-D

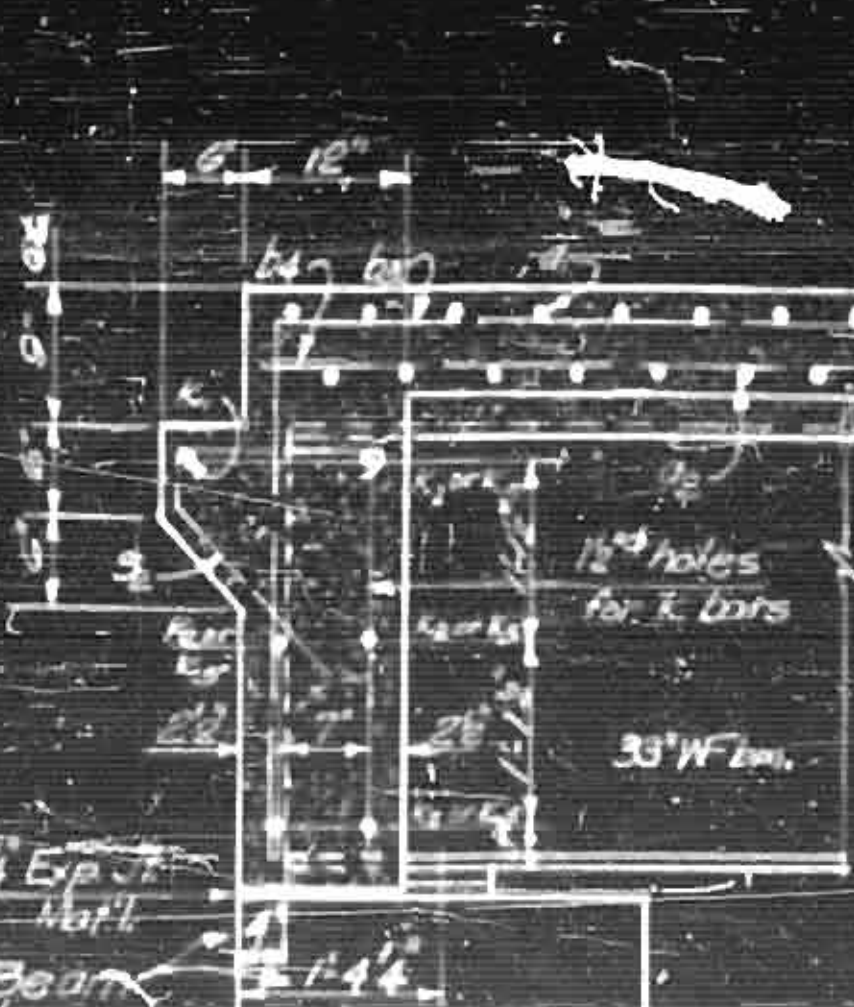
DETAIL OF BEAM

Field connection of diaphragm to stiffener shall be bolted using 3/4" turned bolts, Dardelst bolts or an approved equal.

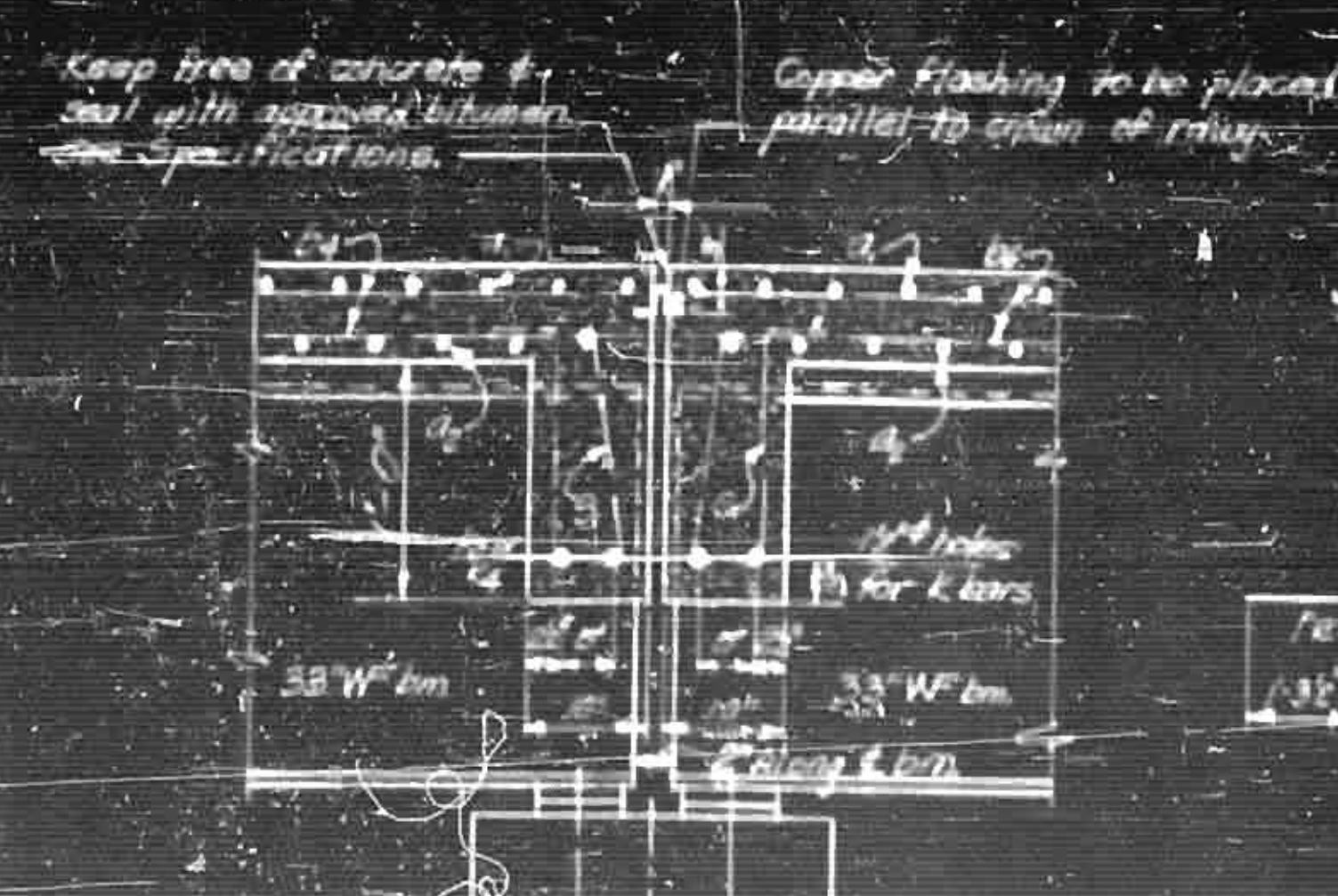


SECTION E-E

BEARING # DETAILS



SECTION F-F



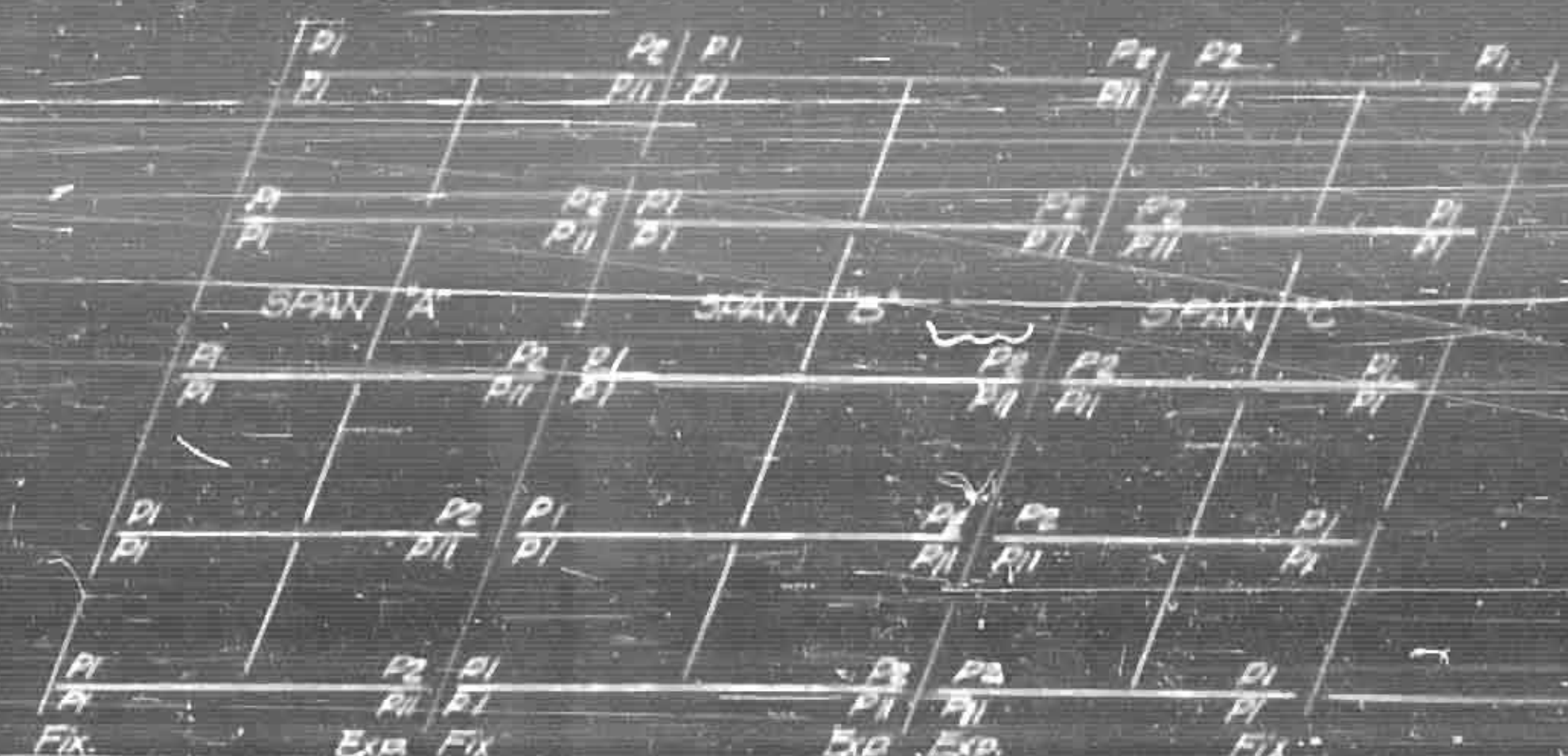
SECTION G-G



COPPER FLASHING



SECT THRU BEAM



BEARING # LOCATION DETAIL



BLAST PLATES

For 35 WF 150, 3 Assemblies Reqd.
1-13' 6\"/>

BEARING PLATES		
FOR SPANS A-B-C		
Mat. No.	Size	
PI 20	78" x 3" x 1/2"	
PI 15	78" x 3" x 1/2"	
PI 15	78" x 3" x 1/2"	

BILL OF MATERIAL FOR SPANS A-B-C									
Bar No.	Size	Type	Length	Weight	Bar No.	Size	Type	Length	Weight
1	24	str	1	35.3	24-B				
2	24	str	2	36.5	21-92				
3	24	str	3	38.7					
4	24	str	4	40.9					
5	24	str	5	43.1					
6	24	str	6	45.3					
7	24	str	7	47.5					
8	24	str	8	49.7					
9	24	str	9	51.9					
10	24	str	10	54.1					
11	24	str	11	56.3					
12	24	str	12	58.5					
13	24	str	13	60.7					
14	24	str	14	62.9					
15	24	str	15	65.1					
16	24	str	16	67.3					
17	24	str	17	69.5					
18	24	str	18	71.7					
19	24	str	19	73.9					
20	24	str	20	76.1					
21	24	str	21	78.3					
22	24	str	22	80.5					
23	24	str	23	82.7					
24	24	str	24	84.9					
25	24	str	25	87.1					
26	24	str	26	89.3					
27	24	str	27	91.5					
28	24	str	28	93.7					
29	24	str	29	95.9					
30	24	str	30	98.1					
31	24	str	31	100.3					
32	24	str	32	102.5					
33	24	str	33	104.7					
34	24	str	34	106.9					
35	24	str	35	109.1					
36	24	str	36	111.3					
37	24	str	37	113.5					
38	24	str	38	115.7					
39	24	str	39	117.9					
40	24	str	40	120.1					
41	24	str	41	122.3					
42	24	str	42	124.5					
43	24	str	43	126.7					
44	24	str	44	128.9					
45	24	str	45	131.1					
46	24	str	46	133.3					
47	24	str	47	135.5					
48	24	str	48	137.7					
49	24	str	49	139.9					
50	24	str	50	142.1					
51	24	str	51	144.3					
52	24	str	52	146.5					
53	24	str	53	148.7					
54	24	str	54	150.9					
55	24	str	55	153.1					
56	24	str	56	155.3					
57	24	str	57	157.5					
58	24	str	58	159.7					
59	24	str	59	161.9					
60	24	str	60	164.1					
61	24	str	61	166.3					
62	24	str	62	168.5					
63	24	str	63	170.7					
64	24	str	64	172.9					
65	24	str	65	175.1					
66	24	str	66	177.3					
67	24	str	67	179.5					
68	24	str	68	181.7					
69	24	str	69	183.9					
70	24	str	70	186.1					
71	24	str	71	188.3					
72	24	str	72	190.5					
73	24	str	73	192.7					
74	24	str	74	194.9					
75	24	str	75	197.1					
76	24	str	76	199.3					
77	24	str	77	201.5					
78	24	str	78	203.7					
79	24	str	79	205.9					
80	24	str	80	208.1					
81	24	str	81	210.3					
82	24	str	82	212.5					
83	24	str	83	214.7					
84	24	str	84	216.9					
85	24	str	85	219.1					
86	24	str	86	221.3					
87	24	str	87	223.5					
88	24	str	88	225.7					
89	24	str	89	227.9					
90	24	str	90	230.1					
91	24	str	91	232.3					
92	24	str	92	234.5					
93	24	str	93	236.7					
94	24	str	94	238.9					
95	24	str	95	241.1					
96	24	str	96	243.3					
97	24	str	97	245.5					
98	24	str	98	247.7					
99	24	str	99	249.9					
100	24	str	100	252.1					
101	24	str	101	254.3					
102	24	str	102	256.5					
103	24	str	103	258.7					
104	24	str	104	260.9					
105	24	str	105	263.1					
106	24	str	106	265.3					
107	24	str	107	267.5					
108	24	str	108	269.7					
109	24	str	109	271.9					
110	24	str	110	274.1					
111	24	str	111	276.3					
112	24	str	112	278.5					
113	24	str	113	280.7					
114	24	str	114	282.9					
115	24	str	115	285.1					
116	24	str	116	287.3					
117	24	str	117	289.5					
118	24	str	118	291.7					
119	24	str	119	293.9					
120	24	str	120	296.1					
121	24	str	121	298.3					
122	24	str	122	300.5					
123	24	str	123	302.7					
124	24	str	124	304.9					
125	24	str	125	307.1					
126	24	str	126	309.3					
127	24	str	127	311.5					
128	24	str	128	313.7					
129	24	str	129	315.9					
130	24	str	130	318.1					
131	24	str	131	320.3					
132	24	str	132	322.5					
133	24	str	133	324.7					
134	24	str	134	326.9					
135	24	str	135	329.1					
136	24	str	136	331.3					
137	24	str	137	333.5					
138	24	str	138	335.7					
139	24	str	139	337.9					
140	24	str	140	340.1					
141	24	str	141	342.3					
142	24	str	142	344.5					
143	24	str	143	346.7					
144	24	str	144	348.9					
145	24	str	145	351.1					
146	24	str	146	353.3					
147	24	str	147	355.5					
148	24	str	148	357.7					
149	24	str	149	359.9					
150	24	str	150	362.1					
151	24	str	151	364.3					
152	24	str	152	366.5					
153	24	str	153	368.7					
154	24	str	154	370.9					
155	24	str	155	373.1					
156	24	str	156	375.3					
157	24	str	157	377.5					
158	24	str	158	379.7					
159	24	str	159	381.9					
160	24	str	160	384.1					
161	24	str	161	386.3					
162	24	str	162	388.5					
163	24	str	163	390.7					
164	24	str	164	392.9					
165	24	str	1						

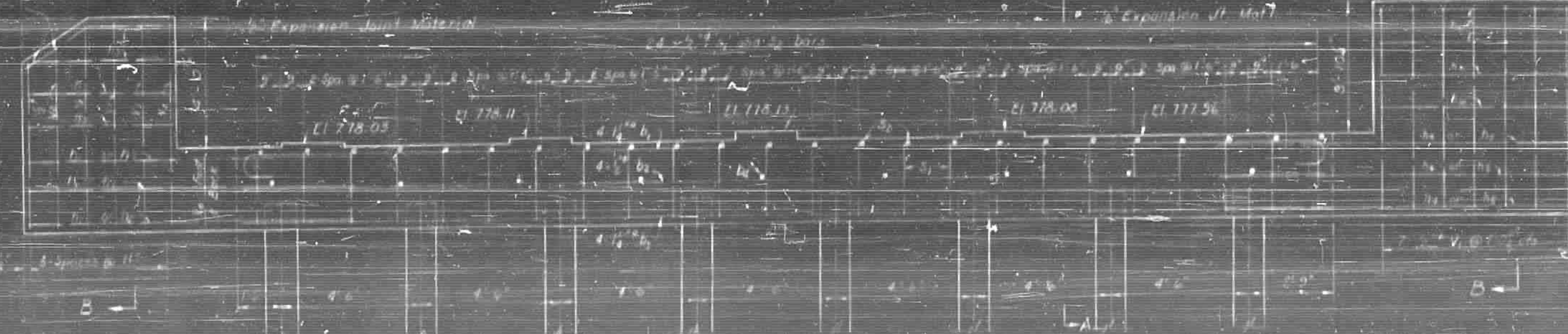
NOTE: At end bearings plate pls. 3/4\"/>



CAP PLAN - END BENT N° 1 - LEFT LANE
END BENT N° 2 - RIGHT LANE (REVERSED)



SECTION A-A



ELEVATION - END BENT N° 1 - LEFT LANE
END BENT N° 2 - RIGHT LANE (REVERSED)

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

BILL OF MATERIALS

END BENT N° 1 - LEFT LANE OR END BENT N° 2 - RIGHT LANE				END BENT N° 1 - RIGHT LANE OR END BENT N° 2 - LEFT LANE			
Bar No.	Size	Length	Weight	Bar No.	Size	Length	Weight
1	1/2"	10.0	1.5	1	1/2"	10.0	1.5
2	1/2"	10.0	1.5	2	1/2"	10.0	1.5
3	1/2"	10.0	1.5	3	1/2"	10.0	1.5
4	1/2"	10.0	1.5	4	1/2"	10.0	1.5
5	1/2"	10.0	1.5	5	1/2"	10.0	1.5
6	1/2"	10.0	1.5	6	1/2"	10.0	1.5
7	1/2"	10.0	1.5	7	1/2"	10.0	1.5
8	1/2"	10.0	1.5	8	1/2"	10.0	1.5
9	1/2"	10.0	1.5	9	1/2"	10.0	1.5
10	1/2"	10.0	1.5	10	1/2"	10.0	1.5
11	1/2"	10.0	1.5	11	1/2"	10.0	1.5
12	1/2"	10.0	1.5	12	1/2"	10.0	1.5
13	1/2"	10.0	1.5	13	1/2"	10.0	1.5
14	1/2"	10.0	1.5	14	1/2"	10.0	1.5
15	1/2"	10.0	1.5	15	1/2"	10.0	1.5
16	1/2"	10.0	1.5	16	1/2"	10.0	1.5
17	1/2"	10.0	1.5	17	1/2"	10.0	1.5
18	1/2"	10.0	1.5	18	1/2"	10.0	1.5
19	1/2"	10.0	1.5	19	1/2"	10.0	1.5
20	1/2"	10.0	1.5	20	1/2"	10.0	1.5
21	1/2"	10.0	1.5	21	1/2"	10.0	1.5
22	1/2"	10.0	1.5	22	1/2"	10.0	1.5
23	1/2"	10.0	1.5	23	1/2"	10.0	1.5
24	1/2"	10.0	1.5	24	1/2"	10.0	1.5
25	1/2"	10.0	1.5	25	1/2"	10.0	1.5
26	1/2"	10.0	1.5	26	1/2"	10.0	1.5
27	1/2"	10.0	1.5	27	1/2"	10.0	1.5
28	1/2"	10.0	1.5	28	1/2"	10.0	1.5
29	1/2"	10.0	1.5	29	1/2"	10.0	1.5
30	1/2"	10.0	1.5	30	1/2"	10.0	1.5
31	1/2"	10.0	1.5	31	1/2"	10.0	1.5
32	1/2"	10.0	1.5	32	1/2"	10.0	1.5
33	1/2"	10.0	1.5	33	1/2"	10.0	1.5
34	1/2"	10.0	1.5	34	1/2"	10.0	1.5
35	1/2"	10.0	1.5	35	1/2"	10.0	1.5
36	1/2"	10.0	1.5	36	1/2"	10.0	1.5
37	1/2"	10.0	1.5	37	1/2"	10.0	1.5
38	1/2"	10.0	1.5	38	1/2"	10.0	1.5
39	1/2"	10.0	1.5	39	1/2"	10.0	1.5
40	1/2"	10.0	1.5	40	1/2"	10.0	1.5
41	1/2"	10.0	1.5	41	1/2"	10.0	1.5
42	1/2"	10.0	1.5	42	1/2"	10.0	1.5
43	1/2"	10.0	1.5	43	1/2"	10.0	1.5
44	1/2"	10.0	1.5	44	1/2"	10.0	1.5
45	1/2"	10.0	1.5	45	1/2"	10.0	1.5
46	1/2"	10.0	1.5	46	1/2"	10.0	1.5
47	1/2"	10.0	1.5	47	1/2"	10.0	1.5
48	1/2"	10.0	1.5	48	1/2"	10.0	1.5
49	1/2"	10.0	1.5	49	1/2"	10.0	1.5
50	1/2"	10.0	1.5	50	1/2"	10.0	1.5
51	1/2"	10.0	1.5	51	1/2"	10.0	1.5
52	1/2"	10.0	1.5	52	1/2"	10.0	1.5
53	1/2"	10.0	1.5	53	1/2"	10.0	1.5
54	1/2"	10.0	1.5	54	1/2"	10.0	1.5
55	1/2"	10.0	1.5	55	1/2"	10.0	1.5
56	1/2"	10.0	1.5	56	1/2"	10.0	1.5
57	1/2"	10.0	1.5	57	1/2"	10.0	1.5
58	1/2"	10.0	1.5	58	1/2"	10.0	1.5
59	1/2"	10.0	1.5	59	1/2"	10.0	1.5
60	1/2"	10.0	1.5	60	1/2"	10.0	1.5
61	1/2"	10.0	1.5	61	1/2"	10.0	1.5
62	1/2"	10.0	1.5	62	1/2"	10.0	1.5
63	1/2"	10.0	1.5	63	1/2"	10.0	1.5
64	1/2"	10.0	1.5	64	1/2"	10.0	1.5
65	1/2"	10.0	1.5	65	1/2"	10.0	1.5
66	1/2"	10.0	1.5	66	1/2"	10.0	1.5
67	1/2"	10.0	1.5	67	1/2"	10.0	1.5
68	1/2"	10.0	1.5	68	1/2"	10.0	1.5
69	1/2"	10.0	1.5	69	1/2"	10.0	1.5
70	1/2"	10.0	1.5	70	1/2"	10.0	1.5
71	1/2"	10.0	1.5	71	1/2"	10.0	1.5
72	1/2"	10.0	1.5	72	1/2"	10.0	1.5
73	1/2"	10.0	1.5	73	1/2"	10.0	1.5
74	1/2"	10.0	1.5	74	1/2"	10.0	1.5
75	1/2"	10.0	1.5	75	1/2"	10.0	1.5
76	1/2"	10.0	1.5	76	1/2"	10.0	1.5
77	1/2"	10.0	1.5	77	1/2"	10.0	1.5
78	1/2"	10.0	1.5	78	1/2"	10.0	1.5
79	1/2"	10.0	1.5	79	1/2"	10.0	1.5
80	1/2"	10.0	1.5	80	1/2"	10.0	1.5
81	1/2"	10.0	1.5	81	1/2"	10.0	1.5
82	1/2"	10.0	1.5	82	1/2"	10.0	1.5
83	1/2"	10.0	1.5	83	1/2"	10.0	1.5
84	1/2"	10.0	1.5	84	1/2"	10.0	1.5
85	1/2"	10.0	1.5	85	1/2"	10.0	1.5
86	1/2"	10.0	1.5	86	1/2"	10.0	1.5
87	1/2"	10.0	1.5	87	1/2"	10.0	1.5
88	1/2"	10.0	1.5	88	1/2"	10.0	1.5
89	1/2"	10.0	1.5	89	1/2"	10.0	1.5
90	1/2"	10.0	1.5	90	1/2"	10.0	1.5
91	1/2"	10.0	1.5	91	1/2"	10.0	1.5
92	1/2"	10.0	1.5	92	1/2"	10.0	1.5
93	1/2"	10.0	1.5	93	1/2"	10.0	1.5
94	1/2"	10.0	1.5	94	1/2"	10.0	1.5
95	1/2"	10.0	1.5	95	1/2"	10.0	1.5
96	1/2"	10.0	1.5	96	1/2"	10.0	1.5
97	1/2"	10.0	1.5	97	1/2"	10.0	1.5
98	1/2"	10.0	1.5	98	1/2"	10.0	1.5
99	1/2"	10.0	1.5	99	1/2"	10.0	1.5
100	1/2"	10.0	1.5	100	1/2"	10.0	1.5

Reinforcing Steel Lbs. 2198
Class "A" Concrete Cu. Yds. 11.5
Crested Timber Piles No. 6

Reinforcing Steel Lbs. 2198
Class "A" Concrete Cu. Yds. 11.5
Crested Timber Piles No. 6

* Concrete displaced by piles has been deducted.

PROJECT NO. 5284

DAWSON COUNTY

STATION: 147+94.35 L5

PART B

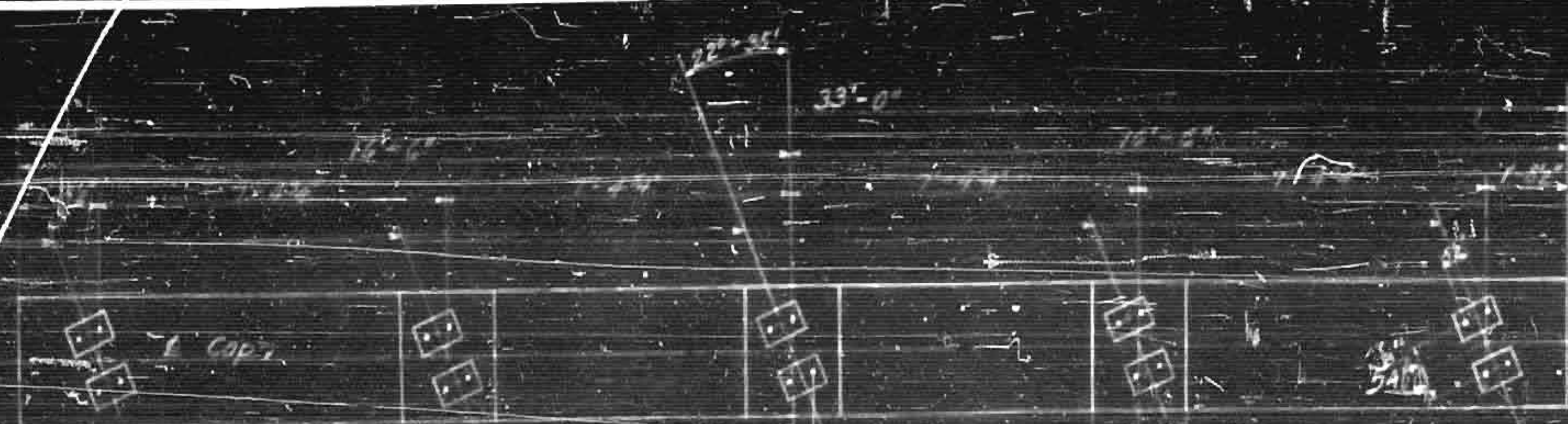
STATE OF NORTH CAROLINA
STATE HIGHWAY AND
PUBLIC WORKS COMMISSION

END BENT N° 1 - LEFT LANE
AND END BENT N° 2 - RIGHT LANE
END BENT N° 1 - RIGHT LANE
AND END BENT N° 2 - LEFT LANE

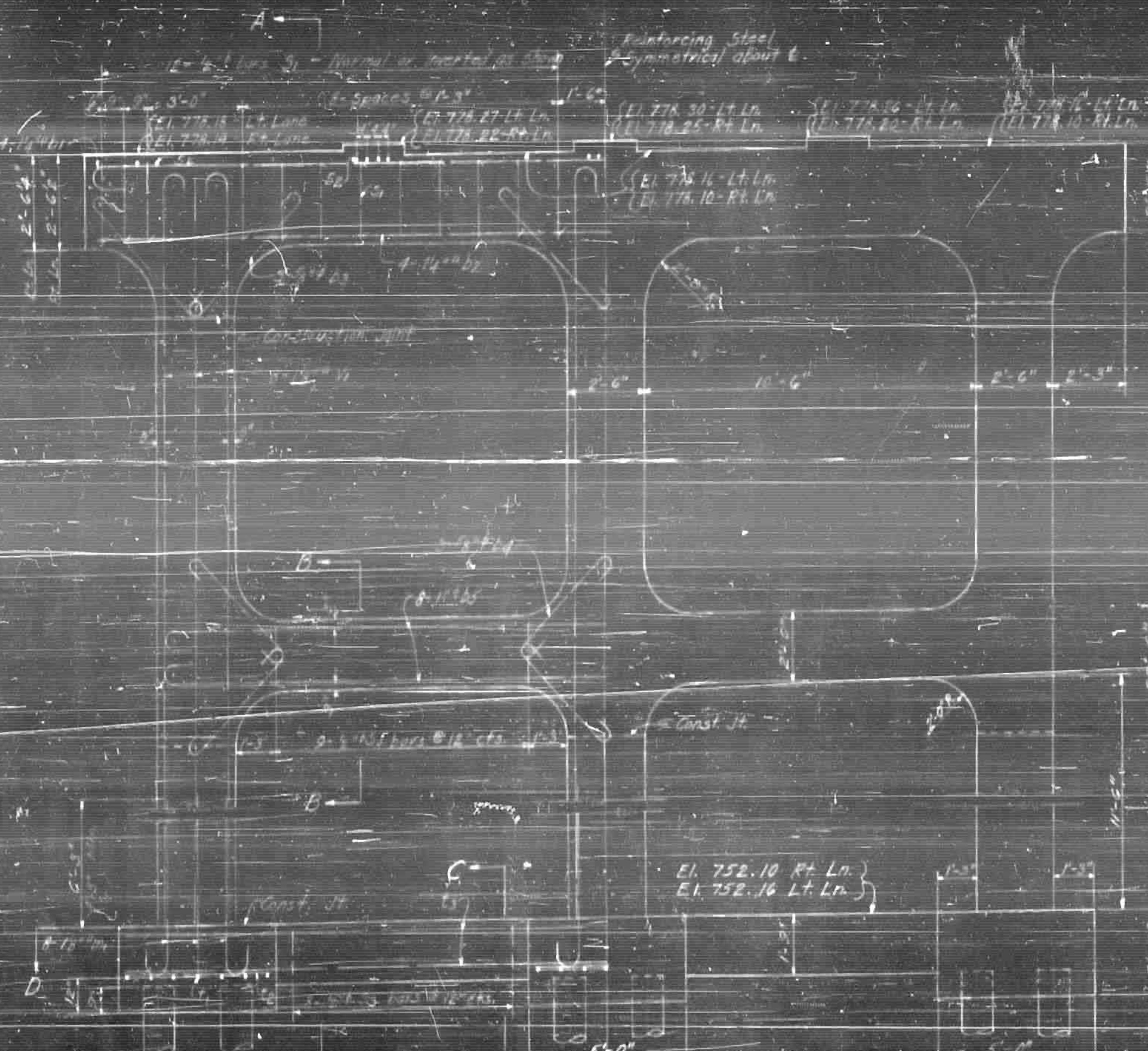
JAN. 1950

DESIGNED BY: J. H. HARRIS
CHECKED BY: J. H. HARRIS
DATE: 1/1/50

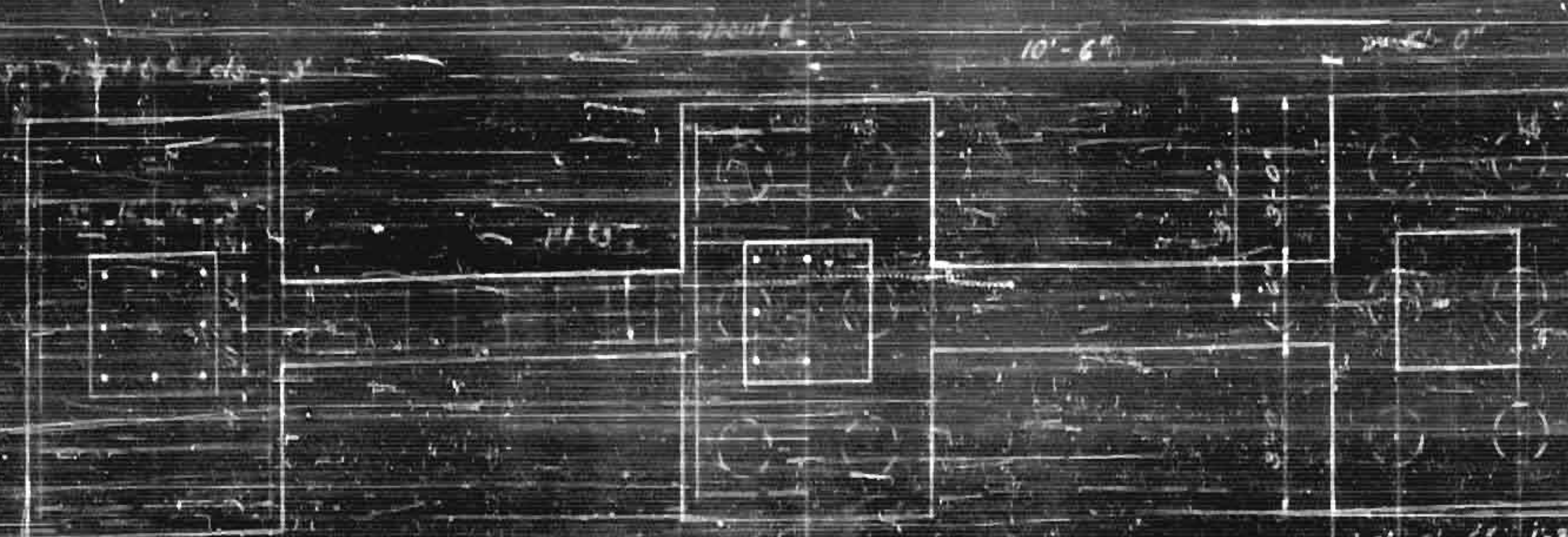
SPECIAL
DESIGNED BY: J. H. HARRIS
CHECKED BY: J. H. HARRIS
DATE: 1/1/50



PLAN OF CAP FOR BENT #1 OR #2



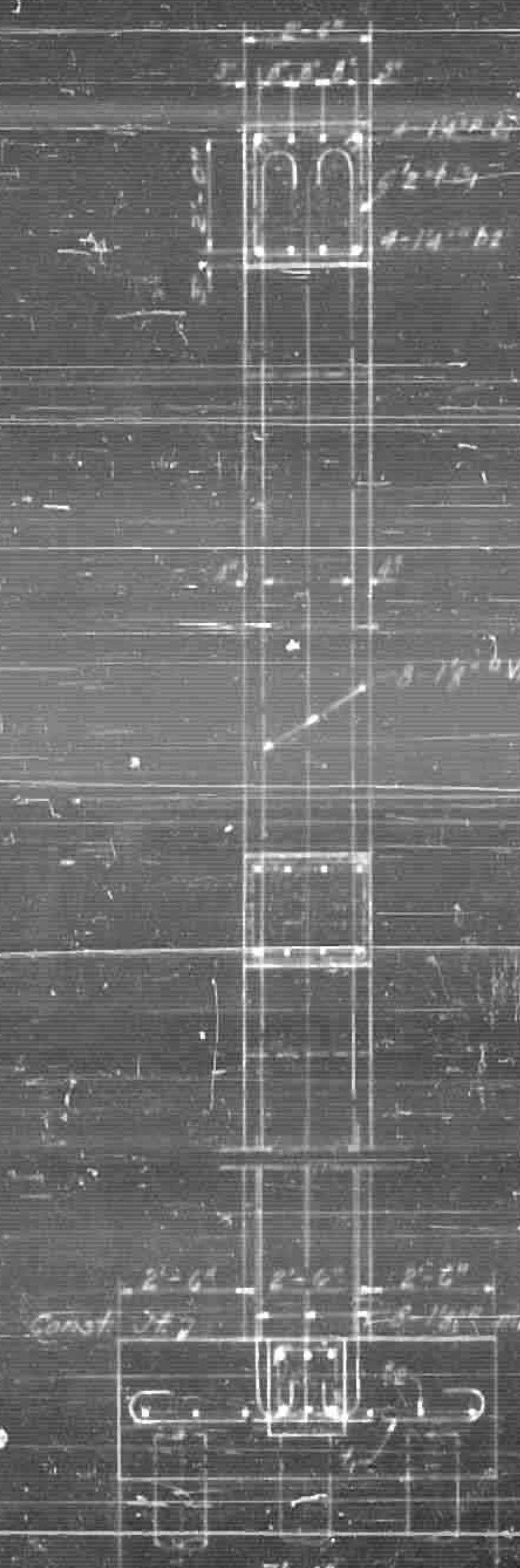
ELEVATION - BENT #1



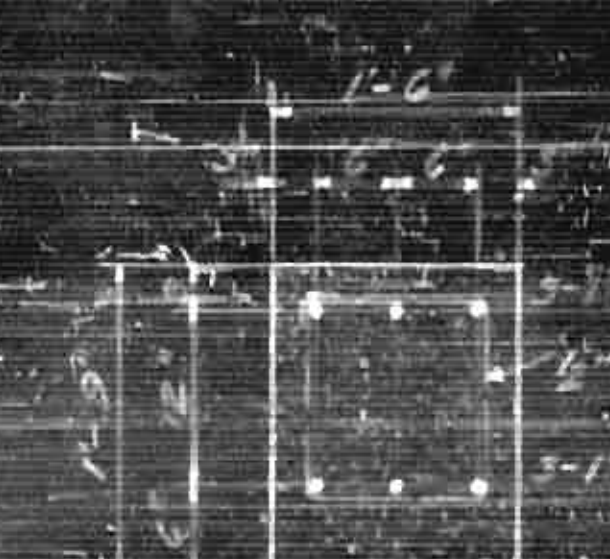
SECTION D-D



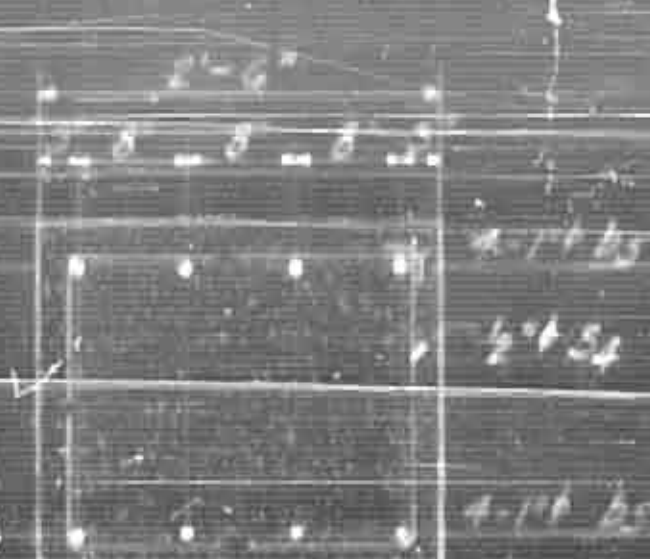
PART-ELEVATION OF BENT "2"
(SAME AS BENT "1" EXCEPT AS SHOWN)



SECTION A-4

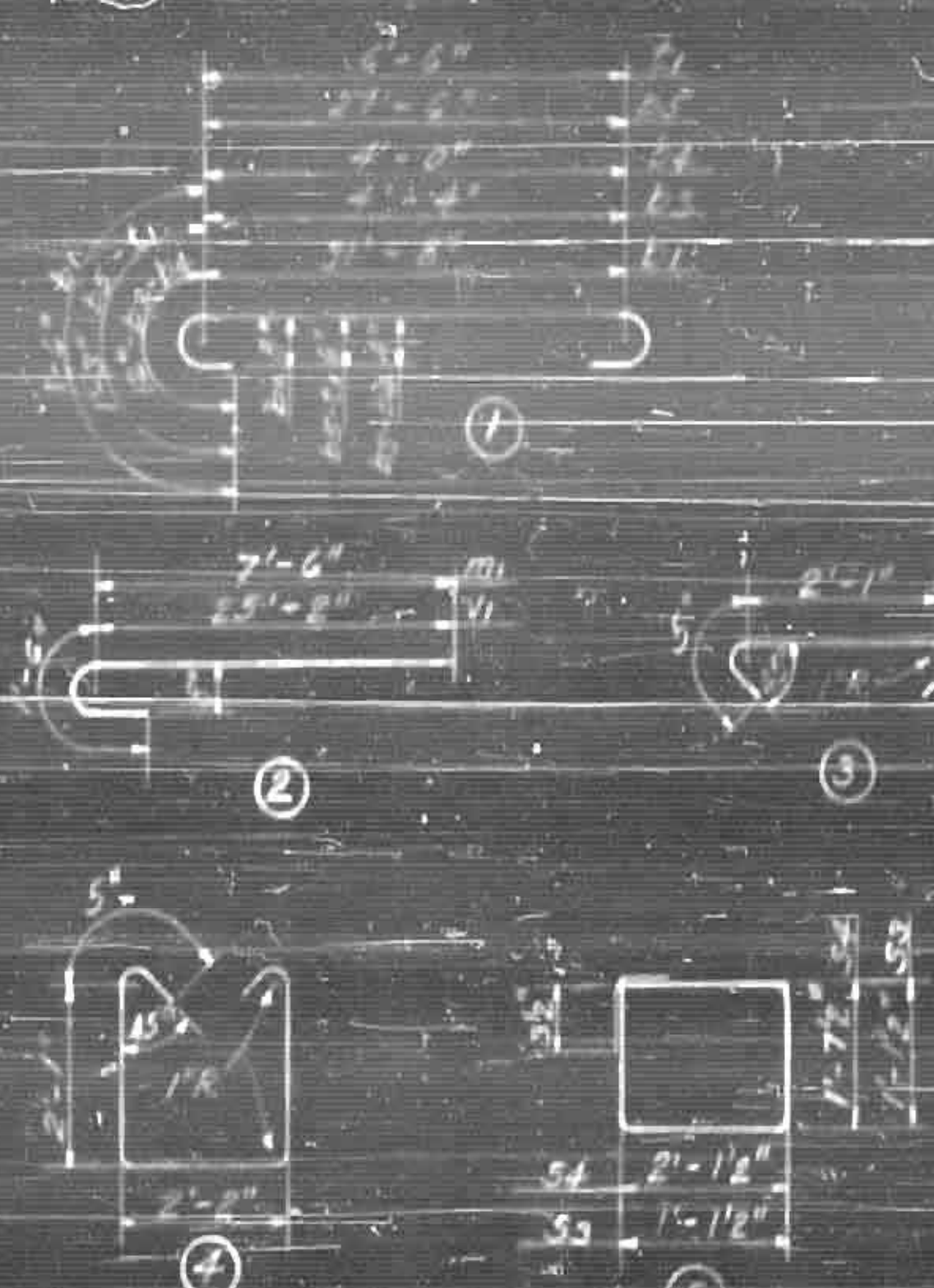


SECTION C-C



SECTION B-E

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



BILL OF MATERIALS FOR ONE BENT				
Bar	No.	Size	Type	Length Weight
b ₁	4	7/8"	1	34'-0" 70.0
b ₂	4	7/8"	3th	30'-6" 69.0
b ₃	14	3/4"	1	6'-0" 19.0
b ₄	24	3/8"	1	16'-8" 16.0
b ₅	8	N ₁	1	30'-0" 64.0
m ₁	24	7/8"	2	30'-0" 22.0
s ₁	24	1/2"	4	2'-0" 11.0
s ₂	16	3/8"	5	2'-0" 5.1
s ₃	16	3/8"	5	5'-11" 5.0
s ₄	18	3/8"	5	8'-11" 9.7
a	21	3/8"	1	30'-0" 28.4
b ₁	28	3/8"	3th	7'-0" 5.1
b ₂	28	3/8"	3th	30'-0" 68.0
b ₃	28	1/2"	4	16'-8" 16.0
CONTINUOUS STRUT, 1/2" x 1/2" x 11' 7 1/2"				71.5
200 # OPERATOR'S RIG				24.0
TOTAL				10
TOTAL WEIGHT				360

PROJECT NO. 5234
AVILSON COUNTY
TION: 147+94.35 '25
PART B

STATE OF NORTH CAROLINA
STATE HIGHWAY AND
PUBLIC WORKS COMMISSION
DALEIGH

BENTS #1 and #2

JAN. 1950

APPROVED BY _____
DATE _____

BRIDGE ENGINEER

STATE HIGHWAY ENGINEER