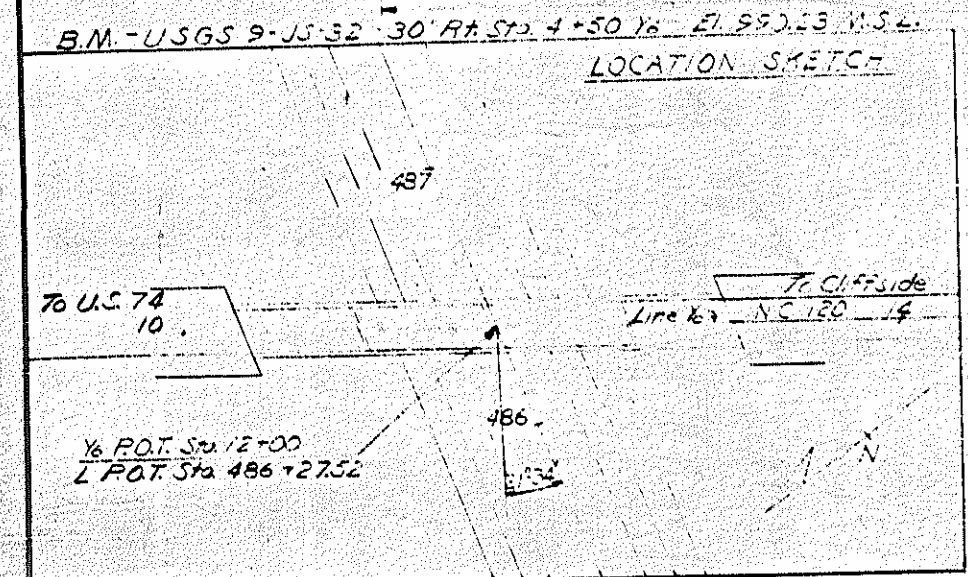




TOTAL BILL OF MATERIAL										RUTHE	
Class A'	Reinforcing	Structural	12HS3	Line 2nd First 4' Cone Strips	12" H 53	Unclassified	A' Conc. Slope				
Conc.	Steel	Steel	Steel Piles	Struc Erco.	Protection	Steel Piles	Struc. Excess				
Cu Yds.	Lbs.	Approx. Lbs.	No	Lin. Ft.	Cu Yds.	Sq Yds.	Ln. Ft.	Cu Yds.	Sq. Yds.		
Spur 4	6.5	14,800	38,600								
Spur 3	52.0	12,547	40,000								
Spur C	53.0	14,547	40,000								
Spur D	56.7	12,715	35,500							25993	
End Bent No. 1	14.2	2,839		27,154		165.50				~~24970~~	
Bent No. 1	26.5	4,672		10,154	44	154.00		37.73			
Bent No. 2	26.5	4,655		10,154	44	205.75		37.61			
Bent No. 3	25.8	4,557		10,154	44	199.50		37.78		217.78	
End Bent No. 2	14.0	2,545		21,242		291.50				~~101.50~~	
Accessories Cords	3.2	76									
TOTAL	346.2	76,201	134,100	147,870	-5	4-0	1016.25	113.12		477.71	

PROJECT No. 8.1883403

AFRORD - CLEVELAND COUNTY

STATION: 120+27.52 L
12+00 Y6

STATE OF NORTH CAROLINA

STATE HIGHWAY COMMISSION

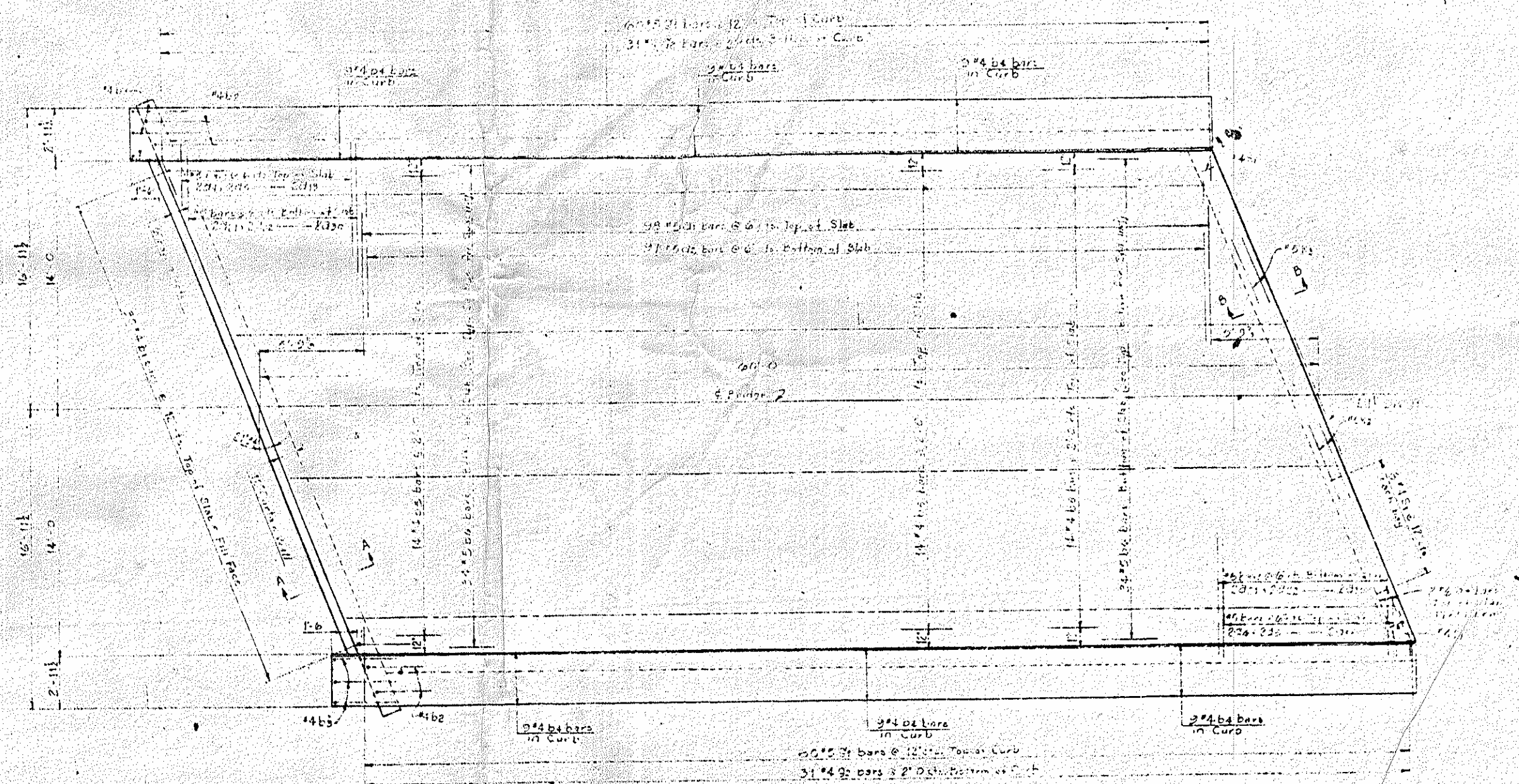
RALEIGH

GENERAL DRAWING FOR
 BRIDGE OVER PROJ. ON NC.120
 BETWEEN U.S. 74 AND
 CLIFFSIDE
 NOVEMBER 1964

REVISIONS					
NO.	BY	DATE	NO.	BY	DATE
1			3		
2			4		

SHEET NO. 16
5
TOTAL SHEETS
342

FILE NO.	DATE	BY
1	10-1-57	P. A. PROCTOR



PLAN

PROJECT NO. E-103-103
 RUTHERFORD-CLEVELAND COUNTY
 STATION 436+27.52 -L-
 12+00.0 Y6

STATE OF NORTH CAROLINA
STATE HIGHWAY COMMISSION
 RALPH
 SUPERSTRUCTURE
 SPAN A

REVISIONS					
NO.	BY	DATE	NO.	BY	DATE
1			3		
2			4		

DRAWN BY: J. K. JONES
 CHECKED BY: J. K. JONES
 DATE: 10-1-57
 DATE: 10-1-57

[illegible]

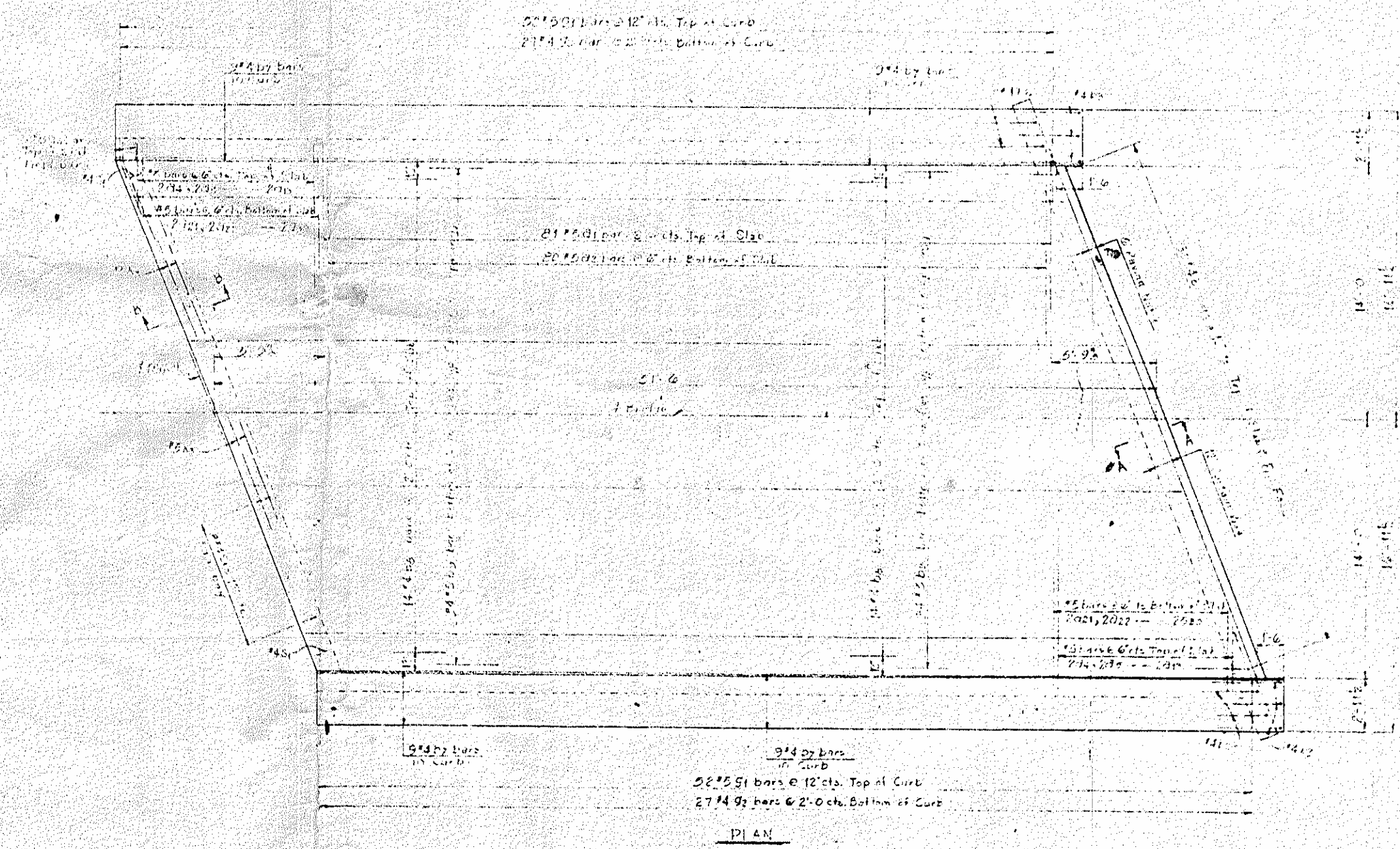
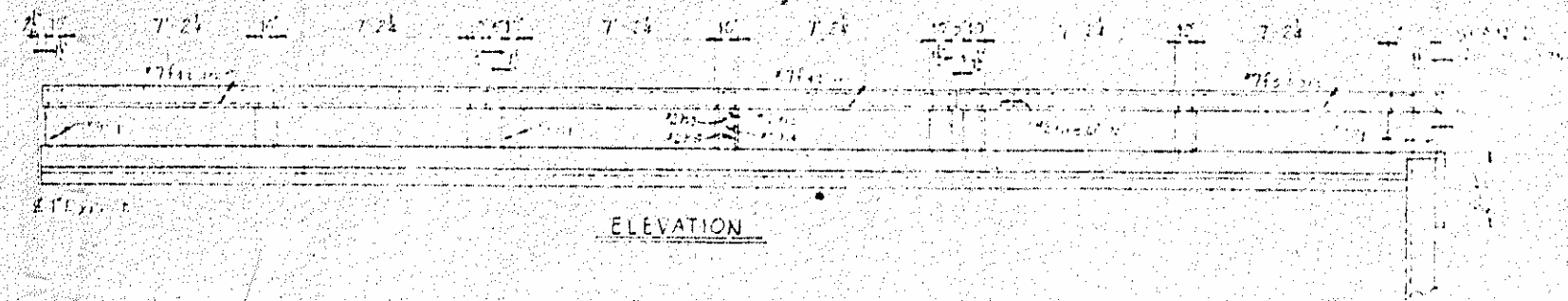
PROJECT No. 8.1889403
RUTHERFORD-CLEVELAND COUNTY
STATION 456 + 27.52 L
12 + 00.00 Y

SUPERSTRUCTURE
SPAN B or C

October 1964

DRAWN BY JACK E. HARRIS DATE 10 Oct. 1964
CHECKED BY S. B. HARRIS DATE 10 Oct. 1964

FED. ROAD DIV. NO.	STATE	PROJECT NO.
3	N.C.	210-107
F & PROJECT F-18-1(1)		

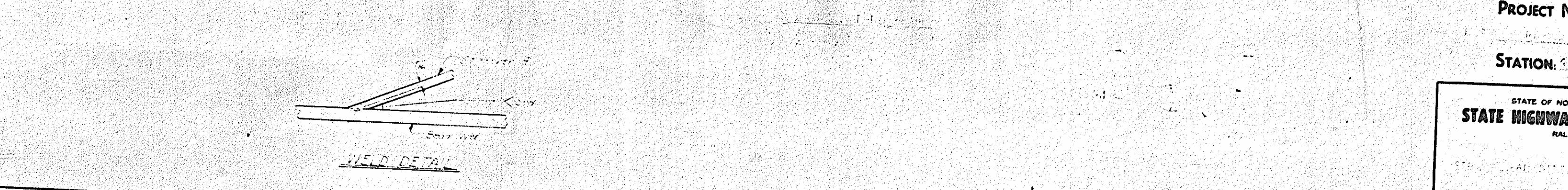
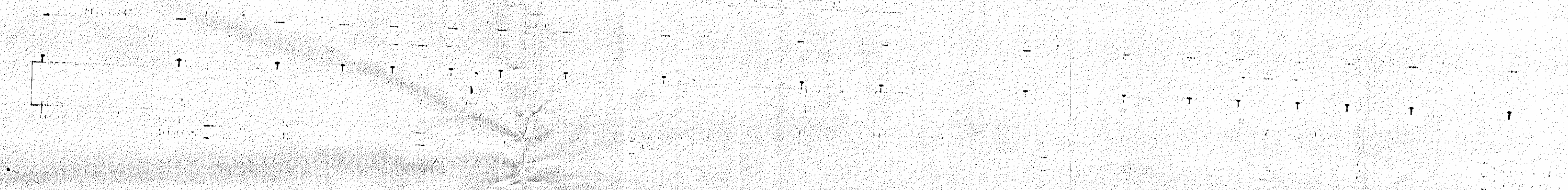
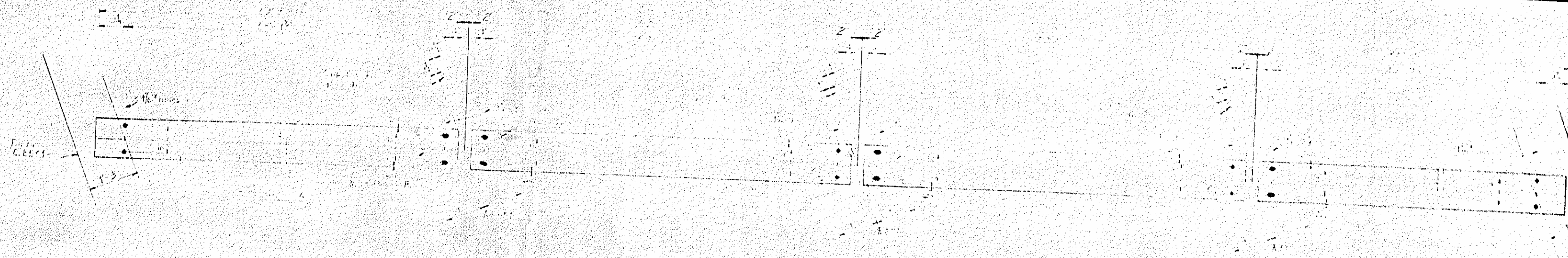


PROJECT NO. 8185-003
 RUTHERFORD, CLEVELAND COUNTY
 STATION: 326+27.52
 12+00.00

STATE OF NORTH CAROLINA STATE HIGHWAY COMMISSION RALEIGH				
SUPERSTRUCTURE SPAN 10				
1924				
REVISIONS				
NO.	BY	DATE	NO.	DATE
1			2	
2			4	

DRAWN BY Jack Davis DATE 10/11/24
 CHECKED BY J. Davis DATE 10/11/24

FED. ROAD DIV. NO.	STATE	PROJECT NO.
5	N.C.	1-103
P. & PROJECT		



Notes: 1. All dimensions are in feet and inches. 2. All materials shall be as specified in the specifications. 3. All work shall be in accordance with the specifications. 4. All connections shall be made in accordance with the specifications. 5. All welds shall be made in accordance with the specifications.

PROJECT NO. 1-103
COUNTY

STATION: 1

STATE OF NORTH CAROLINA
STATE HIGHWAY COMMISSION
RALEIGH

STRUCTURAL DETAILS

REVISIONS					
NO.	BY	DATE	NO.	BY	DATE
1			3		
2			4		

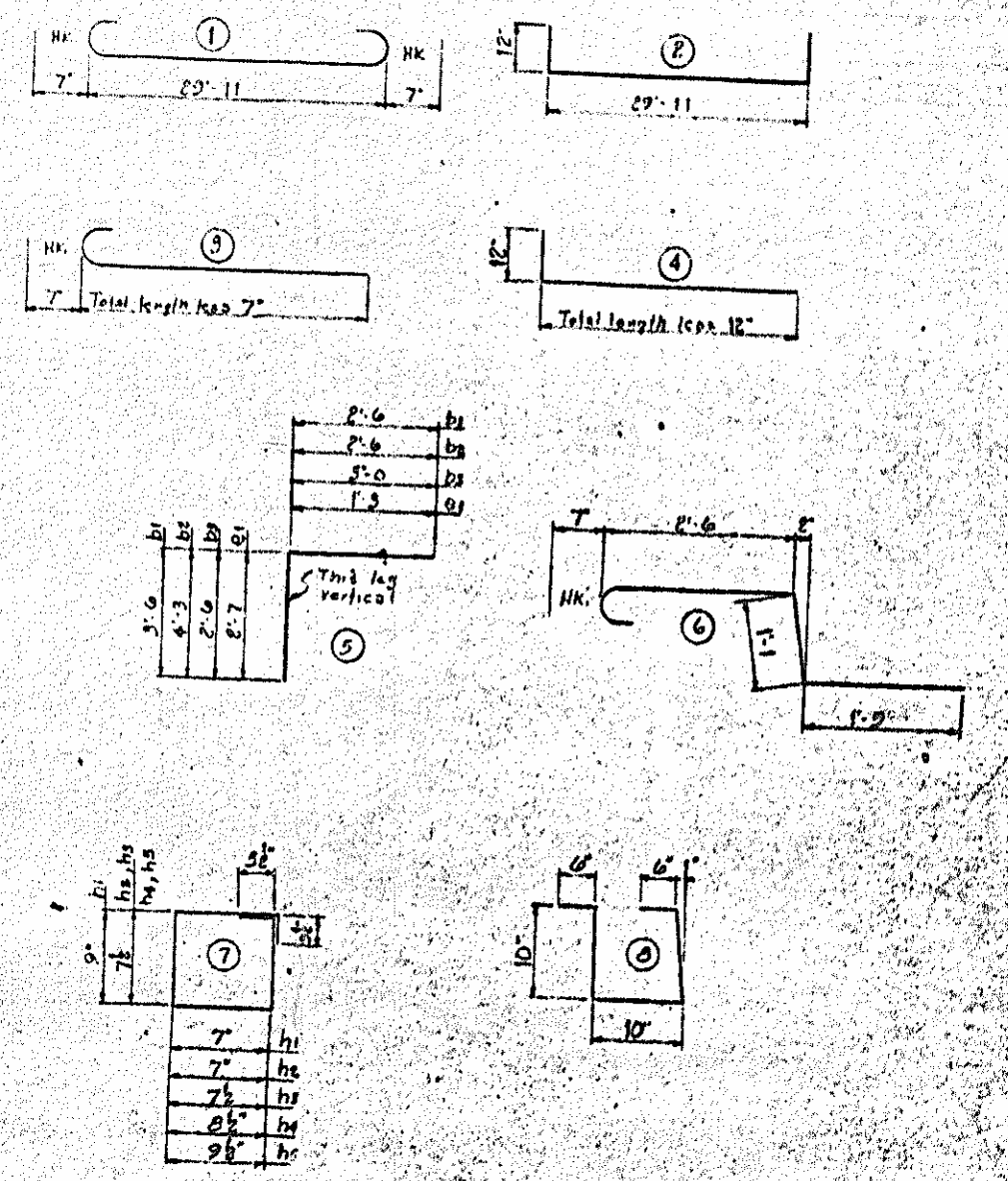
TOTAL SHEETS: 3

DRAWN BY: [Name]
CHECKED BY: [Name]
DATE: [Date]
PUBLISHED BY: BLUE PRINT CO., CHARLOTTE, N.C. 28203

SPAN A						SPAN B or C						SPAN D					
Bar	No.	Size	Type	Length	Weight	Bar	No.	Size	Type	Length	Weight	Bar	No.	Size	Type	Length	Weight
Q1	98	5	1	31'-1"	3177	Q1	98	5	1	31'-1"	3177	Q1	81	5	1	31'-1"	2626
Q2	97	5	2	31'-11"	3222	Q2	97	5	2	31'-11"	3222	Q2	82	5	2	31'-11"	2663
Q3	4	5	3	27'-0"	113	Q3	4	5	3	27'-0"	113	Q3	4	5	3	27'-0"	113
Q4	4	5	3	24'-5"	102	Q4	4	5	3	24'-5"	102	Q4	4	5	3	24'-5"	102
Q5	4	5	3	21'-11"	91	Q5	4	5	3	21'-11"	91	Q5	4	5	3	21'-11"	91
Q6	4	5	3	19'-5"	81	Q6	4	5	3	19'-5"	81	Q6	4	5	3	19'-5"	81
Q7	4	5	3	16'-10"	70	Q7	4	5	3	16'-10"	70	Q7	4	5	3	16'-10"	70
Q8	4	5	3	14'-4"	60	Q8	4	5	3	14'-4"	60	Q8	4	5	3	14'-4"	60
Q9	4	5	3	11'-10"	49	Q9	4	5	3	11'-10"	49	Q9	4	5	3	11'-10"	49
Q10	4	5	3	9'-3"	39	Q10	4	5	3	9'-3"	39	Q10	4	5	3	9'-3"	39
Q11	4	5	3	6'-9"	28	Q11	4	5	3	6'-9"	28	Q11	4	5	3	6'-9"	28
Q12	4	5	3	4'-3"	18	Q12	4	5	3	4'-3"	18	Q12	4	5	3	4'-3"	18
Q13	4	5	4	28'-0"	117	Q13	4	5	4	28'-0"	117	Q13	4	5	4	28'-0"	117
Q14	4	5	4	25'-6"	106	Q14	4	5	4	25'-6"	106	Q14	4	5	4	25'-6"	106
Q15	4	5	4	23'-0"	96	Q15	4	5	4	23'-0"	96	Q15	4	5	4	23'-0"	96
Q16	4	5	4	20'-5"	85	Q16	4	5	4	20'-5"	85	Q16	4	5	4	20'-5"	85
Q17	4	5	4	17'-11"	75	Q17	4	5	4	17'-11"	75	Q17	4	5	4	17'-11"	75
Q18	4	5	4	15'-5"	64	Q18	4	5	4	15'-5"	64	Q18	4	5	4	15'-5"	64
Q19	4	5	4	12'-10"	54	Q19	4	5	4	12'-10"	54	Q19	4	5	4	12'-10"	54
Q20	4	5	4	10'-4"	43	Q20	4	5	4	10'-4"	43	Q20	4	5	4	10'-4"	43
Q21	4	5	4	7'-9"	32	Q21	4	5	4	7'-9"	32	Q21	4	5	4	7'-9"	32
Q22	4	5	4	5'-3"	22	Q22	4	5	4	5'-3"	22	Q22	4	5	4	5'-3"	22
b1	30	4	5	6'-0"	120	b1	30	4	5	6'-0"	120	b1	30	4	5	6'-0"	120
b2	4	4	5	6'-9"	18	b2	4	4	5	6'-9"	18	b2	4	4	5	6'-9"	18
b3	6	4	5	5'-6"	22	b3	6	4	5	5'-6"	22	b3	6	4	5	5'-6"	22
b4	54	4	Str.	21'-4"	770	b4	54	4	Str.	21'-4"	770	b4	54	4	Str.	21'-4"	770
b5	42	4	Str.	20'-10"	584	b5	42	4	Str.	20'-10"	584	b5	42	4	Str.	20'-10"	584
b6	68	5	Str.	30'-11"	2193	b6	68	5	Str.	30'-11"	2193	b6	68	5	Str.	30'-11"	2193
c1	100	8	5	5'-10"	1023	c1	96	8	5	3'-10"	983	c1	76	8	5	5'-10"	778
f1	8	7	Str.	12'-10"	299	f1	32	7	Str.	14'-7"	954	f1	16	7	Str.	16'-11"	551
f2	24	7	Str.	14'-8"	719	f2	8	7	Str.	13'-0"	294	f2	8	7	Str.	13'-0"	294
g1	120	5	6	5'-11"	741	g1	120	5	6	5'-11"	741	g1	104	5	6	5'-11"	642
g2	62	4	Str.	2'-10"	117	g2	62	4	Str.	2'-10"	117	g2	54	4	Str.	2'-10"	102
g3	2	6	Str.	6'-0"	18	g3	4	6	Str.	6'-0"	36	g3	2	6	Str.	6'-0"	18
h1	242	2	7	3'-3"	191	h1	242	2	7	3'-3"	191	h1	214	2	7	3'-3"	116
h2	22	2	7	3'-0"	12	h2	24	2	7	3'-0"	12	h2	16	2	7	3'-0"	8
h3	22	2	7	3'-1"	12	h3	24	2	7	3'-1"	12	h3	16	2	7	3'-1"	8
h4	22	2	7	3'-3"	13	h4	24	2	7	3'-3"	13	h4	16	2	7	3'-3"	9
h5	22	2	7	3'-5"	14	h5	24	2	7	3'-5"	14	h5	16	2	7	3'-5"	9
k1	4	6	Str.	19'-7"	118	k1	4	6	Str.	19'-7"	118	k1	4	6	Str.	19'-7"	118
k2	8	4	Str.	19'-5"	103	k2	8	4	Str.	19'-5"	103	k2	8	4	Str.	19'-5"	103
k3	4	5	Str.	15'-10"	66	k3	4	5	Str.	15'-10"	66	k3	4	5	Str.	15'-10"	66
s1	26	4	8	3'-6"	61	s1	22	4	8	3'-6"	122	s1	26	4	8	3'-6"	61

Reinforcing Steel (lb.)	16,865	Reinforcing Steel (lb.)	13,547	Reinforcing Steel (lb.)	1,715
Class A Concrete (cu yd.)	63.5	Class A Concrete (cu yd.)	58.0	Class A Concrete (cu yd.)	56.7
Structural Steel (Approx. lbs.)	38,600	Structural Steel (Approx. lbs.)	42,000	Structural Steel (Approx. lbs.)	23,500
*Includes 4.2 cu yd. in Post & Rails		*Includes 4.0 cu yd. in Post & Rails		*Includes 3.6 cu yd. in Post & Rails	

FED. ROAD DIST. NO.	STATE	PROJECT NO.
8	N.C.	81883403
F. & PROJECT F-18-1(7)		



BAR TYPES
Dimensions are Bill to out

PROJECT No. 81883403
RUTHERFORD-CLEVELAND COUNTY
STATION: 486+2752-L
12+00.0 YD

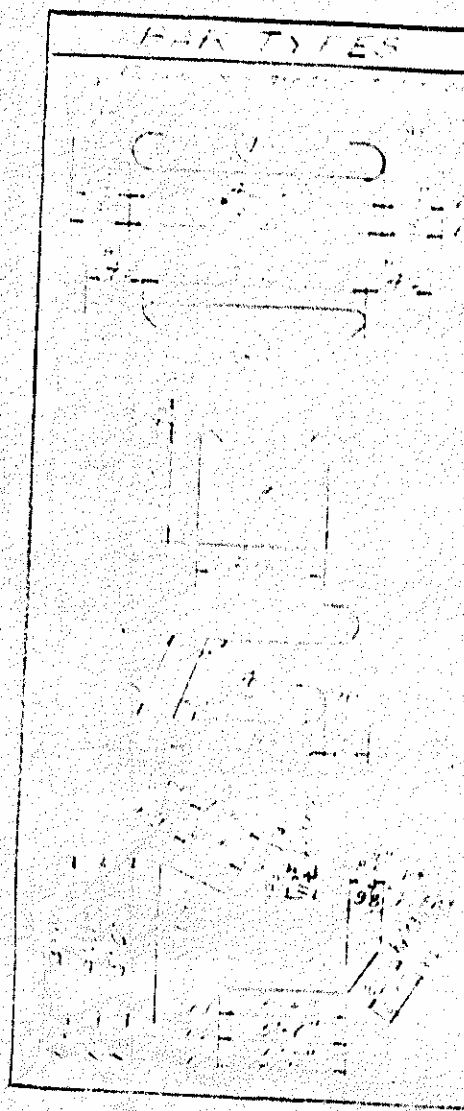
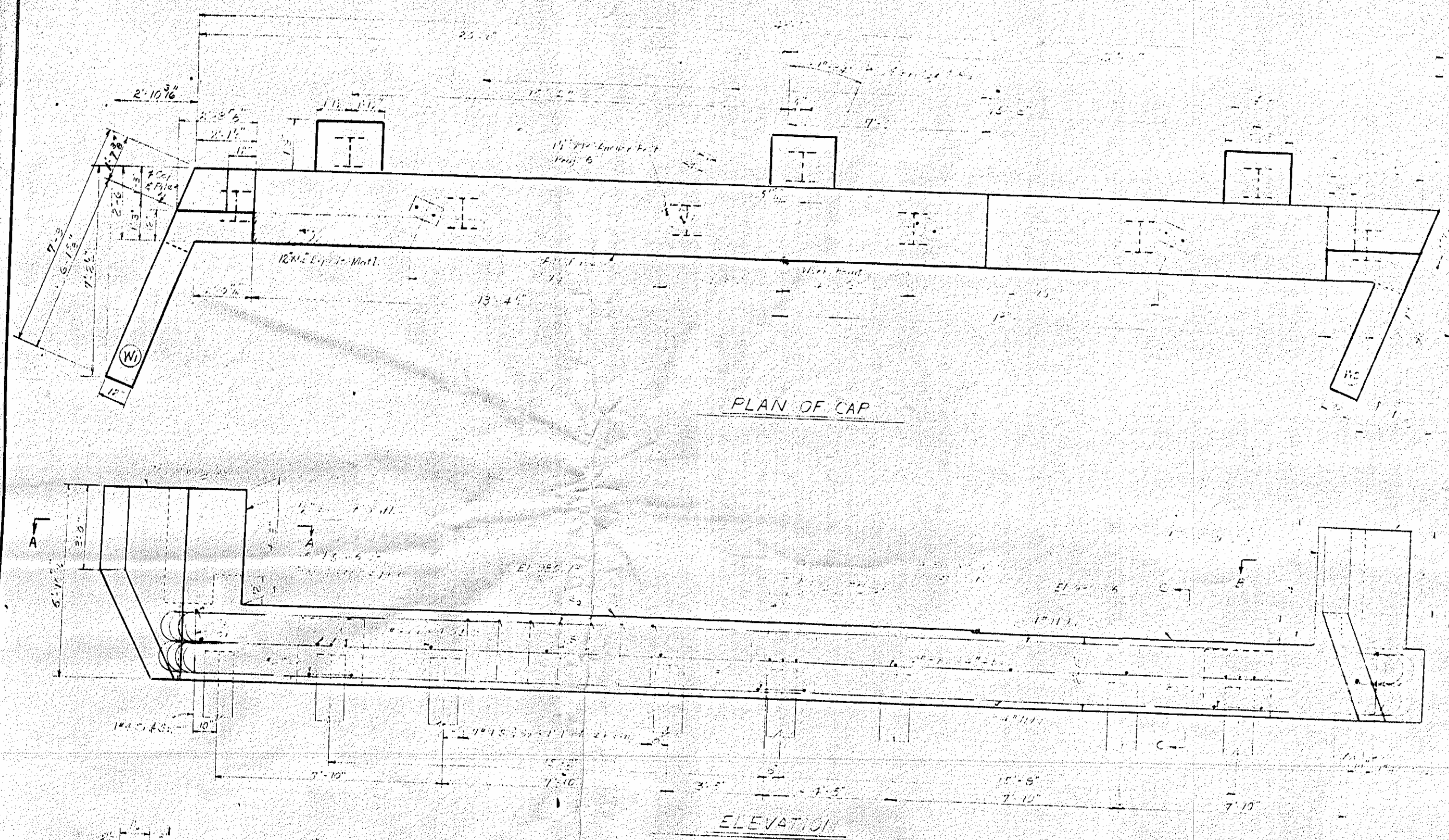
STATE OF NORTH CAROLINA
STATE HIGHWAY COMMISSION
RALEIGH

SUPERSTRUCTURE
BILL OF MATERIAL

October, 1964

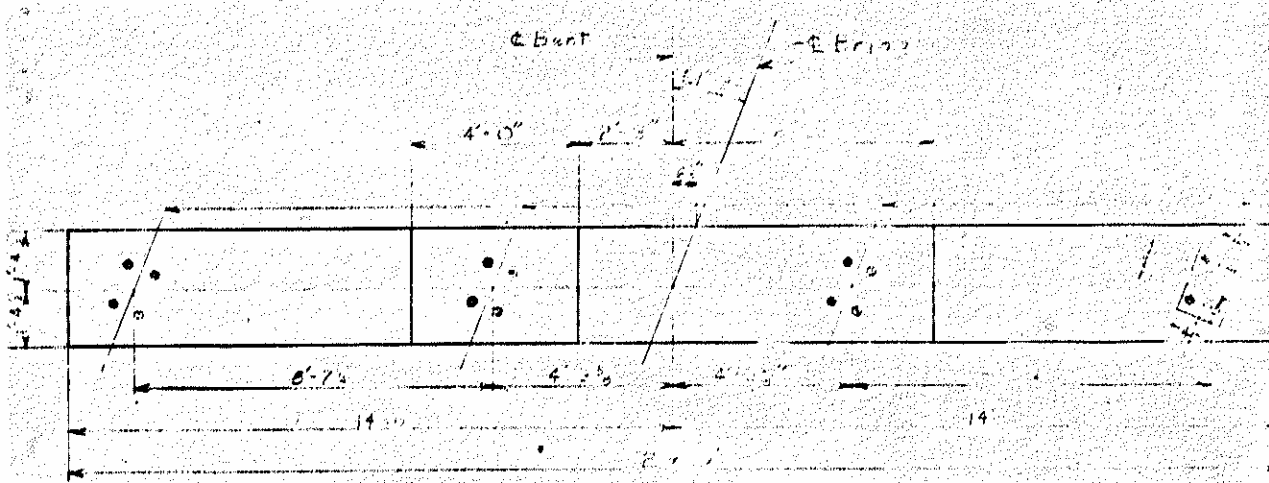
REV.	BY	DATE	DESCRIPTION
1			
2			
3			

FED. ROAD DIST. NO.	STATE	PROJECT NO.
8	N.C.	8.1883403
P. A. PROJECT F-18-117		

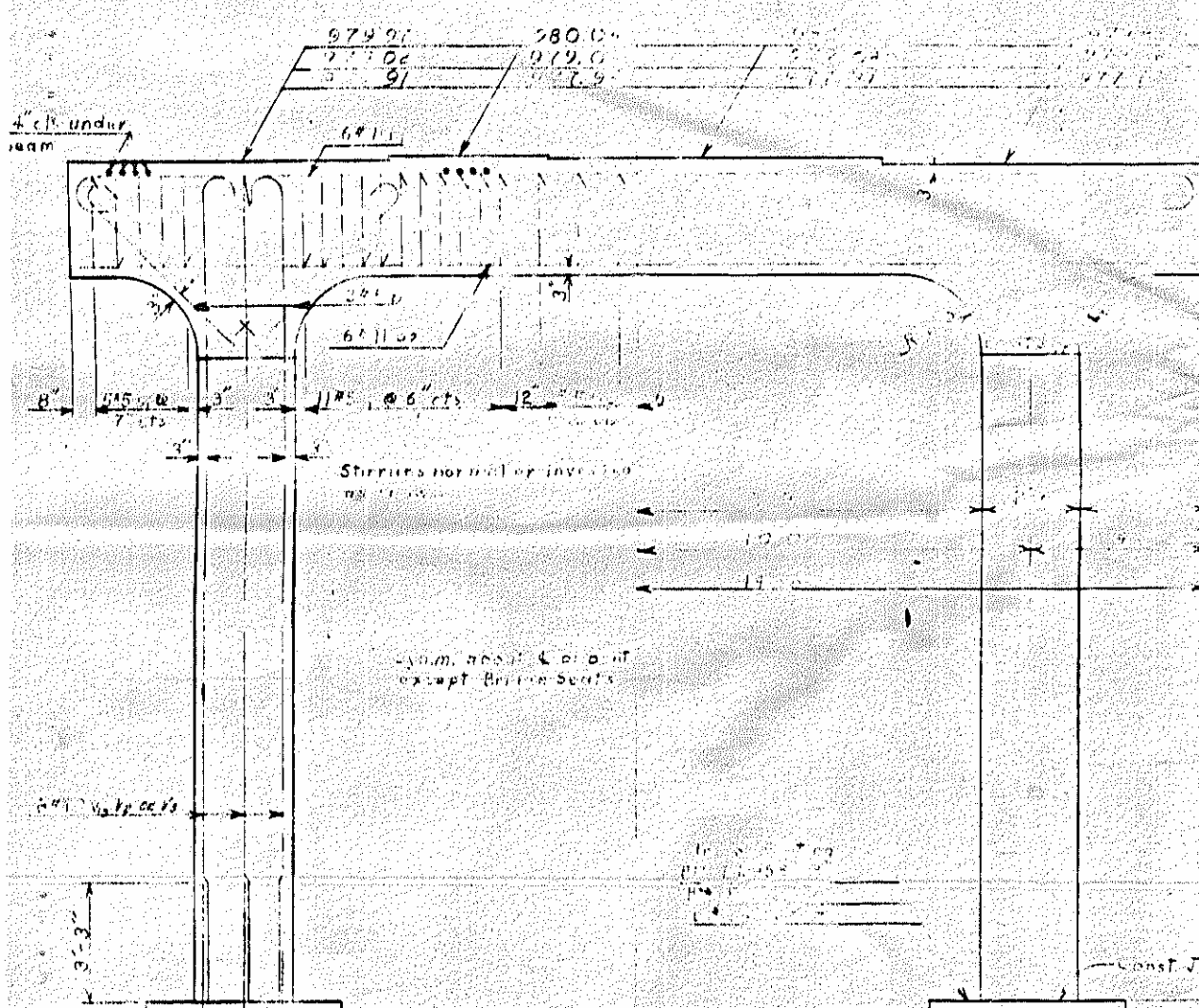


BILL OF MATERIAL				
Total Length 135.1				
ITEM NO.	ITEM DESCRIPTION	LENGTH	WEIGHT	TOTAL WEIGHT
1	1" x 12" Bar	10.0	2.74	2.74
2	1" x 12" Bar	10.0	2.74	5.48
3	1" x 12" Bar	10.0	2.74	8.22
4	1" x 12" Bar	10.0	2.74	10.96
5	1" x 12" Bar	10.0	2.74	13.70
6	1" x 12" Bar	10.0	2.74	16.44
7	1" x 12" Bar	10.0	2.74	19.18
8	1" x 12" Bar	10.0	2.74	21.92
9	1" x 12" Bar	10.0	2.74	24.66
10	1" x 12" Bar	10.0	2.74	27.40
11	1" x 12" Bar	10.0	2.74	30.14
12	1" x 12" Bar	10.0	2.74	32.88
13	1" x 12" Bar	10.0	2.74	35.62
14	1" x 12" Bar	10.0	2.74	38.36
15	1" x 12" Bar	10.0	2.74	41.10
16	1" x 12" Bar	10.0	2.74	43.84
17	1" x 12" Bar	10.0	2.74	46.58
18	1" x 12" Bar	10.0	2.74	49.32
19	1" x 12" Bar	10.0	2.74	52.06
20	1" x 12" Bar	10.0	2.74	54.80
21	1" x 12" Bar	10.0	2.74	57.54
22	1" x 12" Bar	10.0	2.74	60.28
23	1" x 12" Bar	10.0	2.74	63.02
24	1" x 12" Bar	10.0	2.74	65.76
25	1" x 12" Bar	10.0	2.74	68.50
26	1" x 12" Bar	10.0	2.74	71.24
27	1" x 12" Bar	10.0	2.74	73.98
28	1" x 12" Bar	10.0	2.74	76.72
29	1" x 12" Bar	10.0	2.74	79.46
30	1" x 12" Bar	10.0	2.74	82.20
31	1" x 12" Bar	10.0	2.74	84.94
32	1" x 12" Bar	10.0	2.74	87.68
33	1" x 12" Bar	10.0	2.74	90.42
34	1" x 12" Bar	10.0	2.74	93.16
35	1" x 12" Bar	10.0	2.74	95.90
36	1" x 12" Bar	10.0	2.74	98.64
37	1" x 12" Bar	10.0	2.74	101.38
38	1" x 12" Bar	10.0	2.74	104.12
39	1" x 12" Bar	10.0	2.74	106.86
40	1" x 12" Bar	10.0	2.74	109.60
41	1" x 12" Bar	10.0	2.74	112.34
42	1" x 12" Bar	10.0	2.74	115.08
43	1" x 12" Bar	10.0	2.74	117.82
44	1" x 12" Bar	10.0	2.74	120.56
45	1" x 12" Bar	10.0	2.74	123.30
46	1" x 12" Bar	10.0	2.74	126.04
47	1" x 12" Bar	10.0	2.74	128.78
48	1" x 12" Bar	10.0	2.74	131.52
49	1" x 12" Bar	10.0	2.74	134.26
50	1" x 12" Bar	10.0	2.74	137.00
51	1" x 12" Bar	10.0	2.74	139.74
52	1" x 12" Bar	10.0	2.74	142.48
53	1" x 12" Bar	10.0	2.74	145.22
54	1" x 12" Bar	10.0	2.74	147.96
55	1" x 12" Bar	10.0	2.74	150.70
56	1" x 12" Bar	10.0	2.74	153.44
57	1" x 12" Bar	10.0	2.74	156.18
58	1" x 12" Bar	10.0	2.74	158.92
59	1" x 12" Bar	10.0	2.74	161.66
60	1" x 12" Bar	10.0	2.74	164.40
61	1" x 12" Bar	10.0	2.74	167.14
62	1" x 12" Bar	10.0	2.74	169.88
63	1" x 12" Bar	10.0	2.74	172.62
64	1" x 12" Bar	10.0	2.74	175.36
65	1" x 12" Bar	10.0	2.74	178.10
66	1" x 12" Bar	10.0	2.74	180.84
67	1" x 12" Bar	10.0	2.74	183.58
68	1" x 12" Bar	10.0	2.74	186.32
69	1" x 12" Bar	10.0	2.74	189.06
70	1" x 12" Bar	10.0	2.74	191.80
71	1" x 12" Bar	10.0	2.74	194.54
72	1" x 12" Bar	10.0	2.74	197.28
73	1" x 12" Bar	10.0	2.74	200.02
74	1" x 12" Bar	10.0	2.74	202.76
75	1" x 12" Bar	10.0	2.74	205.50
76	1" x 12" Bar	10.0	2.74	208.24
77	1" x 12" Bar	10.0	2.74	210.98
78	1" x 12" Bar	10.0	2.74	213.72
79	1" x 12" Bar	10.0	2.74	216.46
80	1" x 12" Bar	10.0	2.74	219.20
81	1" x 12" Bar	10.0	2.74	221.94
82	1" x 12" Bar	10.0	2.74	224.68
83	1" x 12" Bar	10.0	2.74	227.42
84	1" x 12" Bar	10.0	2.74	230.16
85	1" x 12" Bar	10.0	2.74	232.90
86	1" x 12" Bar	10.0	2.74	235.64
87	1" x 12" Bar	10.0	2.74	238.38
88	1" x 12" Bar	10.0	2.74	241.12
89	1" x 12" Bar	10.0	2.74	243.86
90	1" x 12" Bar	10.0	2.74	246.60
91	1" x 12" Bar	10.0	2.74	249.34
92	1" x 12" Bar	10.0	2.74	252.08
93	1" x 12" Bar	10.0	2.74	254.82
94	1" x 12" Bar	10.0	2.74	257.56
95	1" x 12" Bar	10.0	2.74	260.30
96	1" x 12" Bar	10.0	2.74	263.04
97	1" x 12" Bar	10.0	2.74	265.78
98	1" x 12" Bar	10.0	2.74	268.52
99	1" x 12" Bar	10.0	2.74	271.26
100	1" x 12" Bar	10.0	2.74	274.00
101	1" x 12" Bar	10.0	2.74	276.74
102	1" x 12" Bar	10.0	2.74	279.48
103	1" x 12" Bar	10.0	2.74	282.22
104	1" x 12" Bar	10.0	2.74	284.96
105	1" x 12" Bar	10.0	2.74	287.70
106	1" x 12" Bar	10.0	2.74	290.44
107	1" x 12" Bar	10.0	2.74	293.18
108	1" x 12" Bar	10.0	2.74	295.92
109	1" x 12" Bar	10.0	2.74	298.66
110	1" x 12" Bar	10.0	2.74	301.40
111	1" x 12" Bar	10.0	2.74	304.14
112	1" x 12" Bar	10.0	2.74	306.88
113	1" x 12" Bar	10.0	2.74	309.62
114	1" x 12" Bar	10.0	2.74	312.36
115	1" x 12" Bar	10.0	2.74	315.10
116	1" x 12" Bar	10.0	2.74	317.84
117	1" x 12" Bar	10.0	2.74	320.58
118	1" x 12" Bar	10.0	2.74	323.32
119	1" x 12" Bar	10.0	2.74	326.06
120	1" x 12" Bar	10.0	2.74	328.80
121	1" x 12" Bar	10.0	2.74	331.54
122	1" x 12" Bar	10.0	2.74	334.28
123	1" x 12" Bar	10.0	2.74	337.02
124	1" x 12" Bar	10.0	2.74	339.76
125	1" x 12" Bar	10.0	2.74	342.50
126	1" x 12" Bar	10.0	2.74	345.24
127	1" x 12" Bar	10.0	2.74	347.98
128	1" x 12" Bar	10.0	2.74	350.72
129	1" x 12" Bar	10.0	2.74	353.46
130	1" x 12" Bar	10.0	2.74	356.20
131	1" x 12" Bar	10.0	2.74	358.94
132	1" x 12" Bar	10.0	2.74	361.68
133	1" x 12" Bar	10.0	2.74	364.42
134	1" x 12" Bar	10.0	2.74	367.16
135	1" x 12" Bar	10.0	2.74	369.90
136	1" x 12" Bar	10.0	2.74	372.64
137	1" x 12" Bar	10.0	2.74	375.38
138	1" x 12" Bar	10.0	2.74	378.12
139	1" x 12" Bar	10.0	2.74	380.86
140	1" x 12" Bar	10.0	2.74	383.60
141	1" x 12" Bar	10.0	2.74	386.34
142	1" x 12" Bar	10.0	2.74	389.08
143	1" x 12" Bar	10.0	2.74	391.82
144	1" x 12" Bar	10.0	2.74	394.56
145	1" x 12" Bar	10.0	2.74	397.30
146	1" x 12" Bar	10.0	2.74	400.04
147	1" x 12" Bar	10.0	2.74	402.78
148	1" x 12" Bar	10.0	2.74	405.52
149	1" x 12" Bar	10.0	2.74	408.26
150	1" x 12" Bar	10.0	2.74	411.00
151	1" x 12" Bar	10.0	2.74	413.74
152	1" x 12" Bar	10.0	2.74	416.48
153	1" x 12" Bar	10.0	2.74	419.22
154	1" x 12" Bar	10.0	2.74	421.96
155	1" x 12" Bar	10.0	2.74	424.70
156	1" x 12" Bar	10.0	2.74	427.44
157	1" x 12" Bar	10.0	2.74	430.18
158	1" x 12" Bar	10.0	2.74	432.92
159	1" x 12" Bar	10.0	2.74	435.66
160	1" x 12" Bar	10.0	2.74	438.40
161	1" x 12" Bar	10.0	2.74	441.14
162	1" x 12" Bar	10.0	2.74	443.88
163	1" x 12" Bar	10.0	2.74	446.62
164	1" x 12" Bar	10.0	2.74	449.36
165	1" x 12" Bar	10.0	2.74	452.10
166	1" x 12" Bar	10.0	2.74	454.84
167	1" x 12" Bar	10.0	2.74	457.58
168	1" x 12" Bar	10.0	2.74	460.32
169	1" x 12" Bar	10.0	2.74	463.06
170	1" x 12" Bar	10.0	2.74	465.80
171	1" x 12" Bar	10.0	2.74	468.54
172	1" x 12" Bar	10.0	2.74	471.28
173	1" x 12" Bar	10.0	2.74	474.02
174	1" x 12" Bar	10.0	2.74	476.76
175	1" x 12" Bar	10.0	2.74	479.50
176	1" x 12" Bar	10.0	2.74	482.24
177	1" x 12" Bar	10.0	2.74	484.98
178	1" x 12" Bar	10.0	2.74	487.72
179	1" x 12" Bar	10.0	2.74	490.46
180	1" x 12" Bar	10.0	2.74	493.20
181	1" x 12" Bar	10.0	2.74	495.94
182	1" x 12" Bar	10.0	2.74	498.68
183	1" x 12" Bar	10.0	2.74	501.42
184	1" x 12" Bar	10.0	2.74	504.16
185	1" x 12" Bar	10.0	2.74	506.90
186	1" x 12" Bar	10.0	2.74	509.64
187	1" x 12" Bar	10.0	2.74	512.38
188	1" x 12" Bar	10.0	2.74	515.12
189	1" x 12" Bar	10.0	2.74	517.86
190	1" x 12" Bar	10.0	2.74	520.60
191	1" x 12" Bar	10.0	2.74	523.34
192	1" x 12" Bar	10.0	2.74	526.08
193	1" x 12" Bar	10.0	2.74	528.82
194	1" x 12" Bar	10.0	2.74	531.56
195	1" x 12" Bar	10.0	2.74	534.30
196	1" x 12" Bar	10.0	2.74	537.04
197	1" x 12" Bar	10.0	2.74	539.78
198	1" x 12" Bar	10.0	2.74	542.52
199	1" x 12" Bar	10.0	2.74	545.26
200	1" x 12" Bar	10.0	2.74	548.00
201	1" x 12" Bar	10.0	2.74	550.74
202	1" x 12" Bar	10.0	2.74	553.48
203	1" x 12" Bar	10.0	2.74	556.22
204	1" x 12" Bar	10.0	2.74	558.96
205	1" x 12" Bar	10.0	2.74	561.70
206	1" x 12" Bar	10.0	2.74	564.44
207	1" x 12" Bar	10.0	2.74	567.18
208	1" x 12" Bar	10.0	2.74	569.92
209	1" x 12" Bar	10.0	2.74	572.66
210	1" x 12" Bar	10.0	2.74	575.40
211	1" x 12" Bar	10.0	2.74	578.14
212	1" x 12" Bar	10.0	2.74	580.88
213	1" x 12" Bar	10.0	2.74	583.62
214	1" x 12" Bar	10.0	2.74	586.36
215	1" x 12" Bar	10.0	2.74	589.10
216	1" x 12" Bar	10.0	2.74	591.84
217	1" x 12" Bar	10.0	2.74	594.58
218	1" x 12" Bar	10.0	2.74	597.32
219	1" x 12" Bar	10.0	2.74	600.06
220	1" x 12" Bar	10.0	2.74	602.80
221	1" x 12" Bar	10.0	2.74	605.54
222	1" x 12" Bar	10.0	2.74	608.28
223	1" x 12" Bar	10.0	2.74	611.02
224	1" x 12" Bar	10.0	2.74	613.76
225	1" x 12" Bar	10.0	2.74	616.50
226	1" x 12" Bar	10.0	2.74	619.24
227	1" x 12" Bar	10.0	2.74	621.98

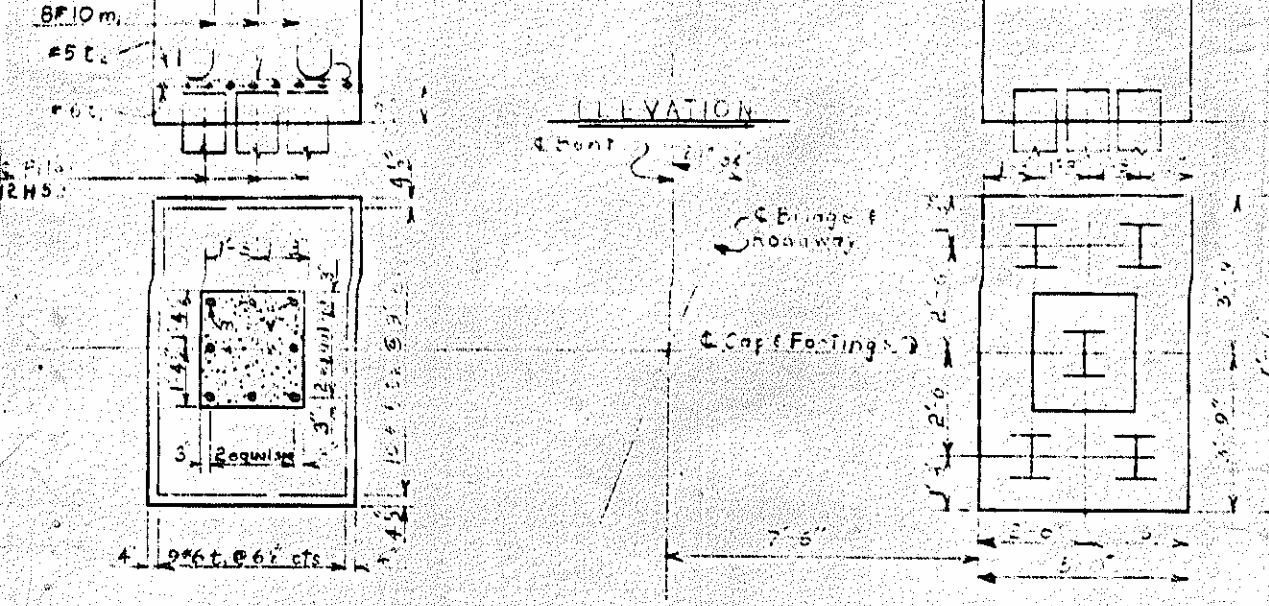
FED. ROAD DIV. NO.	STATE	PROJECT NO.
5	N.C.	8-1893403
P. A. PROJECT		F-18-117



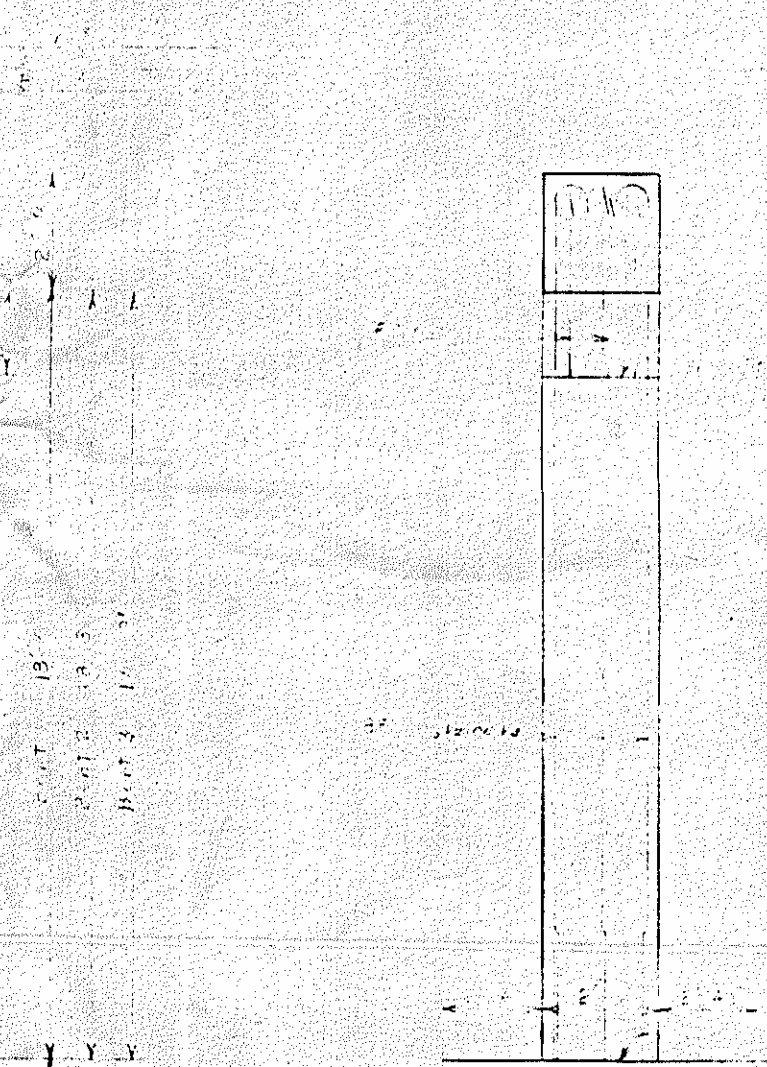
PLAN OF DECK



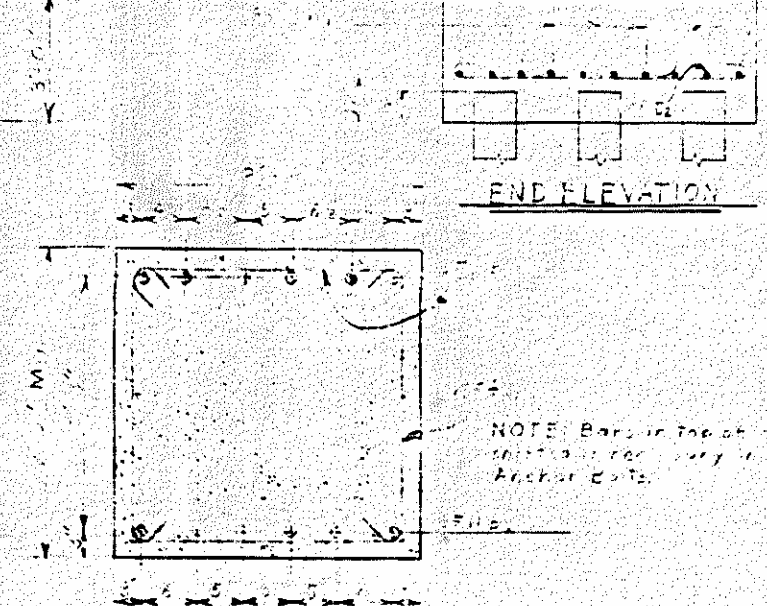
ELEVATION



PLAN OF FOOTINGS



END ELEVATION



NOTE: Bars in top of deck may be omitted and only interior to deck Anchor bolts.

PARTIALS		BILL OF MATERIALS	
TOP OF DECK		TOP OF DECK	
1	10.0	1	10.0
2	10.0	2	10.0
3	10.0	3	10.0
4	10.0	4	10.0
5	10.0	5	10.0
6	10.0	6	10.0
7	10.0	7	10.0
8	10.0	8	10.0
9	10.0	9	10.0
10	10.0	10	10.0
11	10.0	11	10.0
12	10.0	12	10.0
13	10.0	13	10.0
14	10.0	14	10.0
15	10.0	15	10.0
16	10.0	16	10.0
17	10.0	17	10.0
18	10.0	18	10.0
19	10.0	19	10.0
20	10.0	20	10.0
21	10.0	21	10.0
22	10.0	22	10.0
23	10.0	23	10.0
24	10.0	24	10.0
25	10.0	25	10.0
26	10.0	26	10.0
27	10.0	27	10.0
28	10.0	28	10.0
29	10.0	29	10.0
30	10.0	30	10.0
31	10.0	31	10.0
32	10.0	32	10.0
33	10.0	33	10.0
34	10.0	34	10.0
35	10.0	35	10.0
36	10.0	36	10.0
37	10.0	37	10.0
38	10.0	38	10.0
39	10.0	39	10.0
40	10.0	40	10.0
41	10.0	41	10.0
42	10.0	42	10.0
43	10.0	43	10.0
44	10.0	44	10.0
45	10.0	45	10.0
46	10.0	46	10.0
47	10.0	47	10.0
48	10.0	48	10.0
49	10.0	49	10.0
50	10.0	50	10.0
51	10.0	51	10.0
52	10.0	52	10.0
53	10.0	53	10.0
54	10.0	54	10.0
55	10.0	55	10.0
56	10.0	56	10.0
57	10.0	57	10.0
58	10.0	58	10.0
59	10.0	59	10.0
60	10.0	60	10.0
61	10.0	61	10.0
62	10.0	62	10.0
63	10.0	63	10.0
64	10.0	64	10.0
65	10.0	65	10.0
66	10.0	66	10.0
67	10.0	67	10.0
68	10.0	68	10.0
69	10.0	69	10.0
70	10.0	70	10.0
71	10.0	71	10.0
72	10.0	72	10.0
73	10.0	73	10.0
74	10.0	74	10.0
75	10.0	75	10.0
76	10.0	76	10.0
77	10.0	77	10.0
78	10.0	78	10.0
79	10.0	79	10.0
80	10.0	80	10.0
81	10.0	81	10.0
82	10.0	82	10.0
83	10.0	83	10.0
84	10.0	84	10.0
85	10.0	85	10.0
86	10.0	86	10.0
87	10.0	87	10.0
88	10.0	88	10.0
89	10.0	89	10.0
90	10.0	90	10.0
91	10.0	91	10.0
92	10.0	92	10.0
93	10.0	93	10.0
94	10.0	94	10.0
95	10.0	95	10.0
96	10.0	96	10.0
97	10.0	97	10.0
98	10.0	98	10.0
99	10.0	99	10.0
100	10.0	100	10.0

PROJECT NO. 8-1893403

RALEIGH COUNTY

STATION: 4+27.00

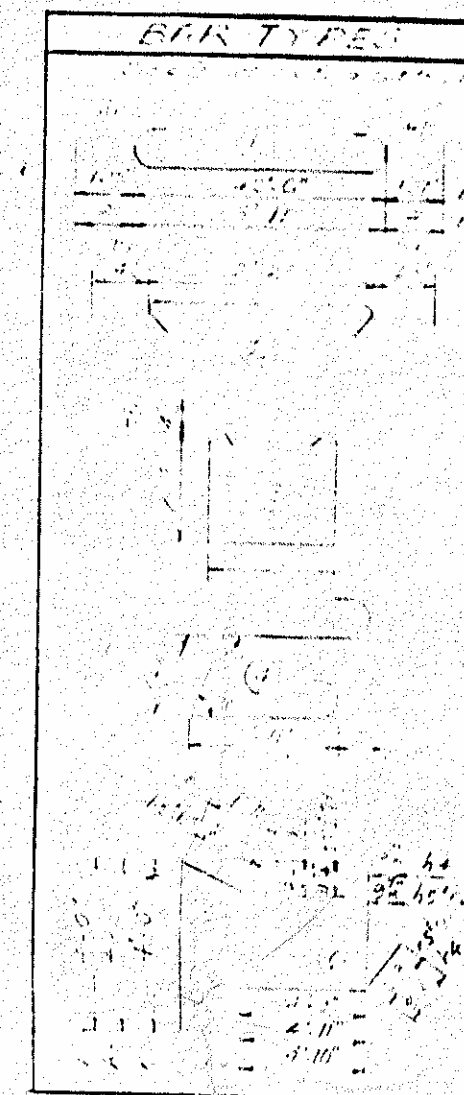
12-10-60

STATE OF NORTH CAROLINA
STATE HIGHWAY COMMISSION
 RALEIGH
 SUBSTRUCTURE
 BRIDGE

1964

REVISIONS					
NO.	BY	DATE	NO.	BY	DATE
1			2		
3			4		

5-1-64



FED. ROAD DIV. NO.	STATE	PROJECT NO.
8	N.C.	8-18534
F. A. PROJECT F-18-1(7)		

BILL OF MATERIAL

FOR END BEAT NO. 2

Bar	No	Size	Type	Length	Weight
b1	3	2 1/2"	1	11.5"	1.44
b2	2	"2"	2 1/2	12.5"	2.22
b3	2	"2"	2 1/2	12.5"	1.11
b4	10	"4"	2 1/2	12.5"	11.11
b5	3	"2"	1	12.5"	7.77
b6	3	"2"	2	5.10"	1.11
b7	4	"2"	2	7.7"	3.33
b8	2	"2"	2	7.6"	3.00
b9	4	"2"	2	6.9"	1.66
b10	2	"2"	2	7.2"	1.99
b11	2	"2"	2	7.1"	2.88
b12	2 1/2	"2"	2	7.4"	1.11
b13	2	"2"	2	7.4"	1.66
b14	2	"2"	2	7.4"	2.22
b15	2	"2"	2 1/2	7.4"	2.22
b16	2	"2"	2 1/2	7.4"	2.22
b17	2	"2"	2 1/2	7.4"	2.22
b18	2	"2"	2 1/2	7.4"	2.22
b19	2	"2"	2 1/2	7.4"	2.22
b20	2	"2"	2 1/2	7.4"	2.22
b21	2	"2"	2 1/2	7.4"	2.22
b22	2	"2"	2 1/2	7.4"	2.22
b23	2	"2"	2 1/2	7.4"	2.22
b24	2	"2"	2 1/2	7.4"	2.22
b25	2	"2"	2 1/2	7.4"	2.22
b26	2	"2"	2 1/2	7.4"	2.22
b27	2	"2"	2 1/2	7.4"	2.22
b28	2	"2"	2 1/2	7.4"	2.22
b29	2	"2"	2 1/2	7.4"	2.22
b30	2	"2"	2 1/2	7.4"	2.22
b31	2	"2"	2 1/2	7.4"	2.22
b32	2	"2"	2 1/2	7.4"	2.22
b33	2	"2"	2 1/2	7.4"	2.22
b34	2	"2"	2 1/2	7.4"	2.22
b35	2	"2"	2 1/2	7.4"	2.22
b36	2	"2"	2 1/2	7.4"	2.22
b37	2	"2"	2 1/2	7.4"	2.22
b38	2	"2"	2 1/2	7.4"	2.22
b39	2	"2"	2 1/2	7.4"	2.22
b40	2	"2"	2 1/2	7.4"	2.22
b41	2	"2"	2 1/2	7.4"	2.22
b42	2	"2"	2 1/2	7.4"	2.22
b43	2	"2"	2 1/2	7.4"	2.22
b44	2	"2"	2 1/2	7.4"	2.22
b45	2	"2"	2 1/2	7.4"	2.22
b46	2	"2"	2 1/2	7.4"	2.22
b47	2	"2"	2 1/2	7.4"	2.22
b48	2	"2"	2 1/2	7.4"	2.22
b49	2	"2"	2 1/2	7.4"	2.22
b50	2	"2"	2 1/2	7.4"	2.22
b51	2	"2"	2 1/2	7.4"	2.22
b52	2	"2"	2 1/2	7.4"	2.22
b53	2	"2"	2 1/2	7.4"	2.22
b54	2	"2"	2 1/2	7.4"	2.22
b55	2	"2"	2 1/2	7.4"	2.22
b56	2	"2"	2 1/2	7.4"	2.22
b57	2	"2"	2 1/2	7.4"	2.22
b58	2	"2"	2 1/2	7.4"	2.22
b59	2	"2"	2 1/2	7.4"	2.22
b60	2	"2"	2 1/2	7.4"	2.22
b61	2	"2"	2 1/2	7.4"	2.22
b62	2	"2"	2 1/2	7.4"	2.22
b63	2	"2"	2 1/2	7.4"	2.22
b64	2	"2"	2 1/2	7.4"	2.22
b65	2	"2"	2 1/2	7.4"	2.22
b66	2	"2"	2 1/2	7.4"	2.22
b67	2	"2"	2 1/2	7.4"	2.22
b68	2	"2"	2 1/2	7.4"	2.22
b69	2	"2"	2 1/2	7.4"	2.22



PROJECT No. 3.1223403

PUTTUMFORD-CLEVELAND COUNTY

STATION: 486127.52 "L"

12100 150

STATE OF NORTH CAROLINA
STATE HIGHWAY COMMISSION
RALEIGH

SUBSTRUCTURE
EIND BENT 10.2

Oct 1964

REVISIONS					
NO.	BY	DATE	NO.	BY	DATE
1			3		
2			4		

NOTE: For steel pile splice detail. See Sheet No. C-23