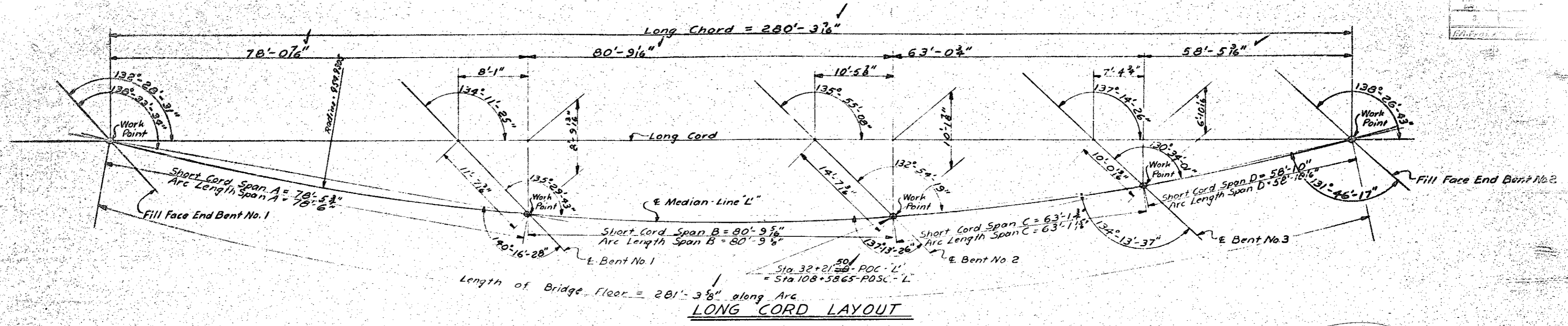


PROJECT NO. B 19430
HAYWOOD COUNTY
STATION: 32+21.50
SHEET NO. 1 OF 2

STATE OF NORTH CAROLINA
STATE HIGHWAY COMMISSION
DESIGNED BY
GENERAL DRAWING FOR
BRIDGE OVER US 19 & 20
ON CONN. TO FARGO BETW.
WAYNESVILLE & ...
OCTOBER 1930

APPROVED BY
G. W. ...

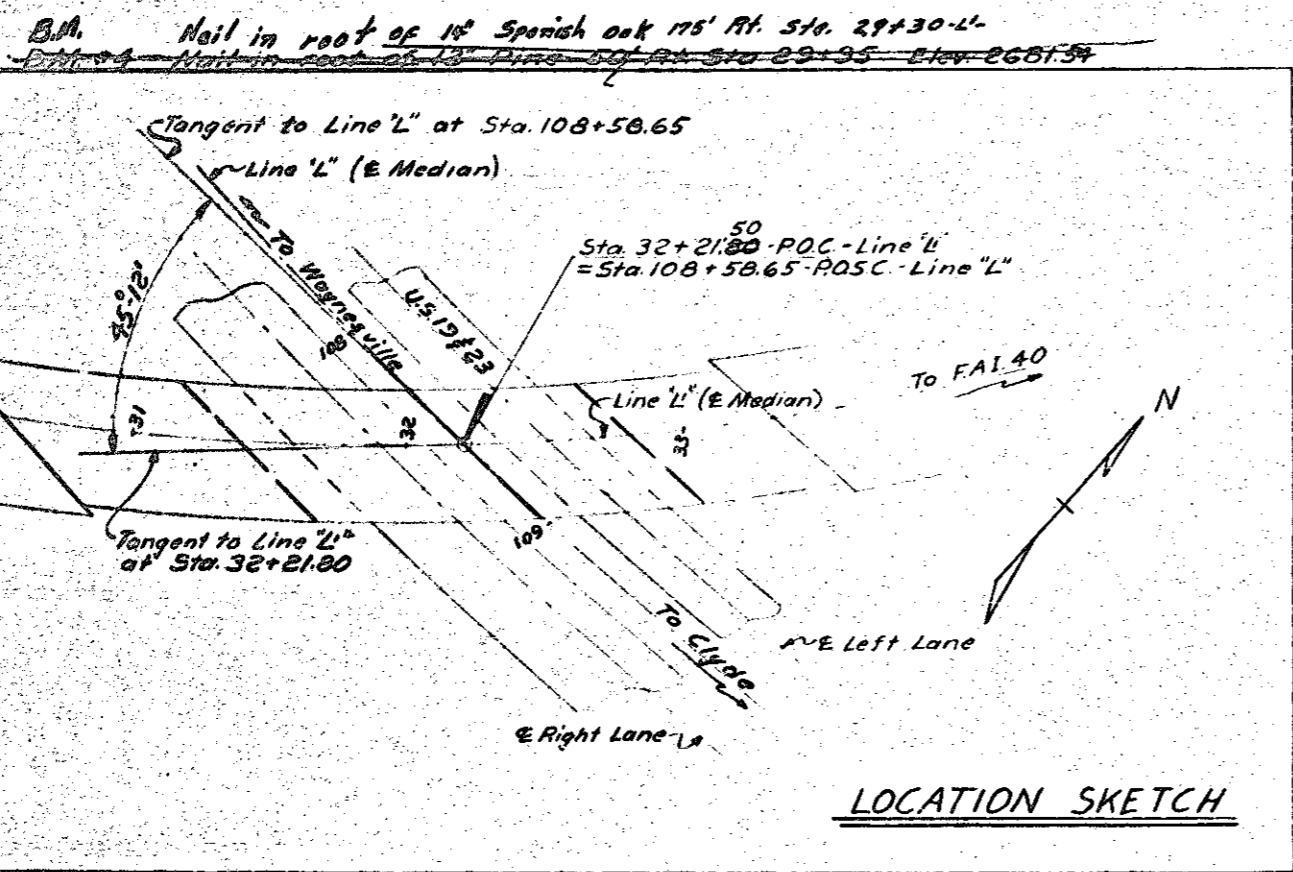
DESIGNED BY	...
CHECKED BY	...
DATE	...



Assumed Live Load = H20-516 (44) or alternate Loading
 For other design data and General Note see Sheet S-11
 Computed foundation loads for End Bents 1 & 2 and Bents 1, 2, & 3 equals 2 1/2 Tons per sq. ft.

Work is not to be started on this bridge until after roadway section has been excavated by the roadway contractor.
 Unclassified Structure Excavation for all bents to be measured from surface of proposed cut.
 Shaded areas to be excavated by the structure contractor. See Special Provisions.

Traffic to be maintained on US 19 & 23. See Spec. Provisions.

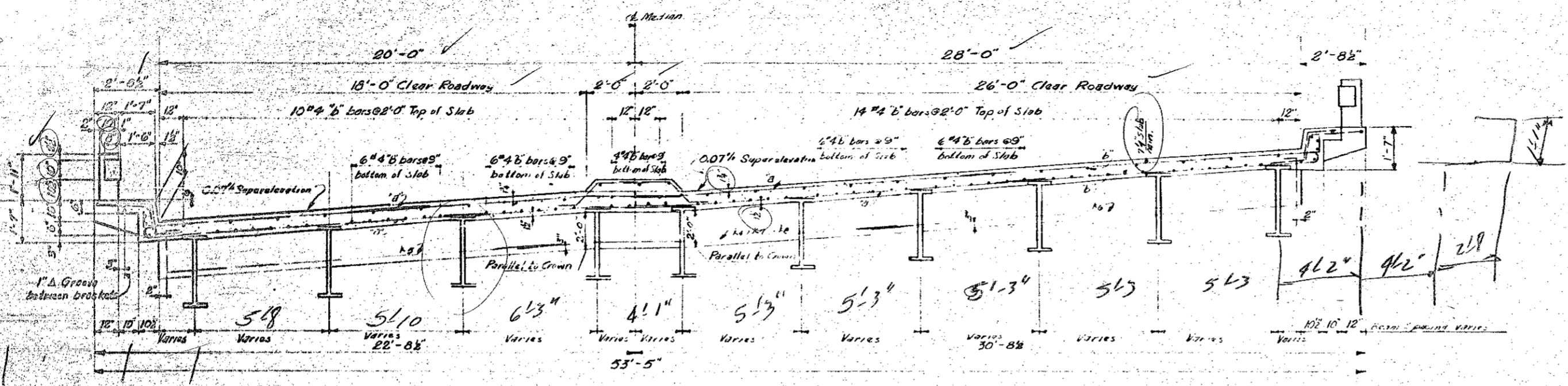


Total Str. Exc 3' to 6' under Plan	Reinforcing Steel Used	Class A Concrete	Uncl. Structure Excav.	TOTAL BILL OF MATERIAL				
				Class A Reinforcing Concrete	Structural Steel	Uncl. Structure Excav.	Slope Protection	Slope Protection
Lbs.	Cu Yds	Cu Yds	Cu Yds	Lbs	Approx Lbs	Cu Yds	Sq Yds	Sq Yds
28,579				120,512	28,879	140,000		
88,888				119,184	23,823	152,700		
28,288				94,814	23,286	103,600		
24,715				31,644	2,715	8,660		
11,600	59.50	118.87		59.5	11,600		240	500
80,72	12,600	14.60	2,570.00	86.8	13,883		100	518.02
	12,361	14.50	1,700.00	87.3	13,351		100	
	12,691	14.60	1,700.00	87.2	13,351		100	562.04
	10,291	12.80	1,200.00	79.9	10,291		100	355
	28.2	3.2	92.26	32	28.2			
80,72	158,013	100.55		TOTALS	173,234	165,525	482,900	

PROJECT NO. 619430
 HAYWOOD COUNTY
 STATION: 32+21.80-1'
 SHEET 2 OF 2
 STATE OF NORTH CAROLINA
 STATE HIGHWAY COMMISSION
 GENERAL DRAWING

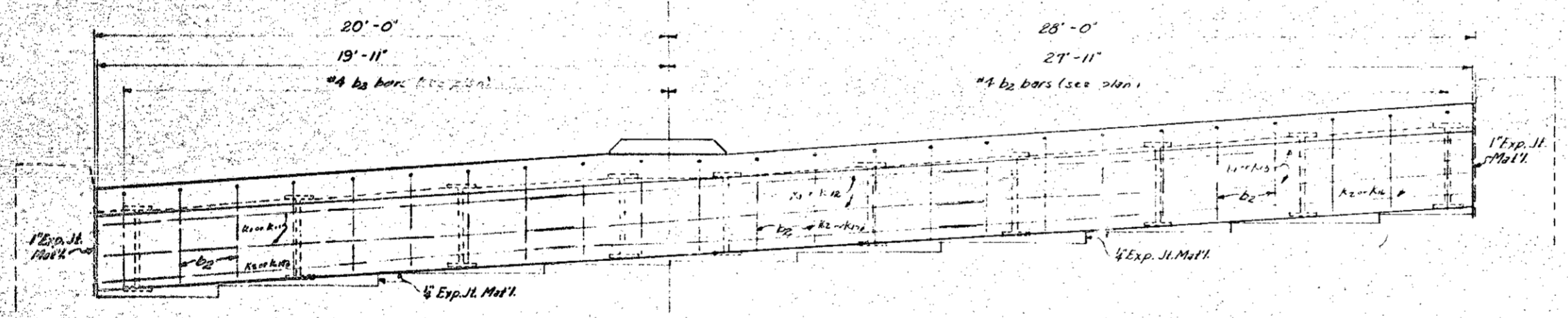
DESIGNED BY: [Signature]
 CHECKED BY: [Signature]
 DATE: 10/17

Rev#1 To change Reinf Steel Quantities in Spans B-C-D 7/8/11

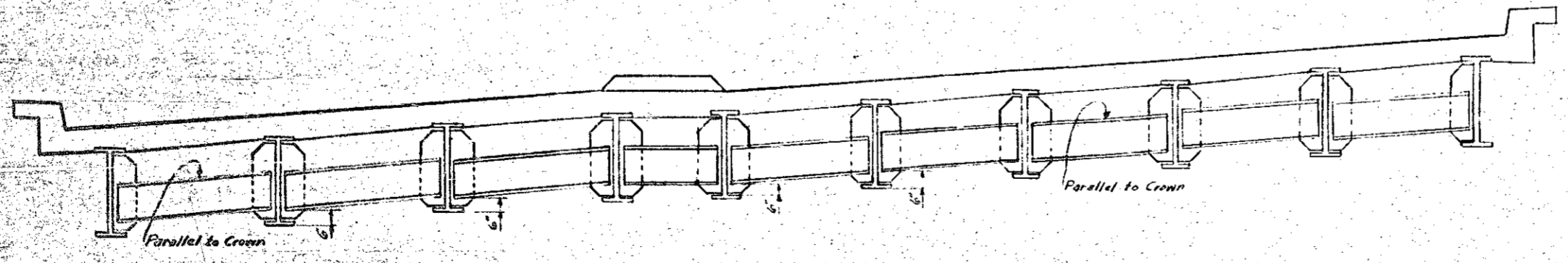


TYPICAL SECTION
SHOWING CONCRETE DIAPHRAGM AT BENTS

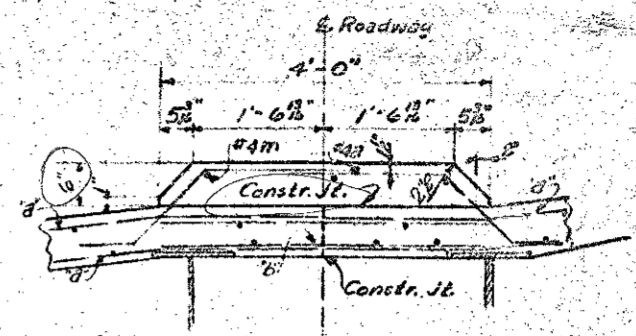
LOOKING NORTH



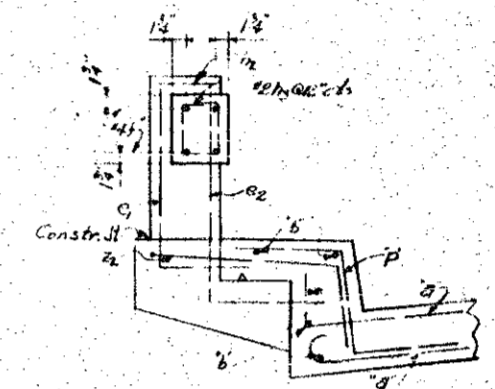
END VIEW



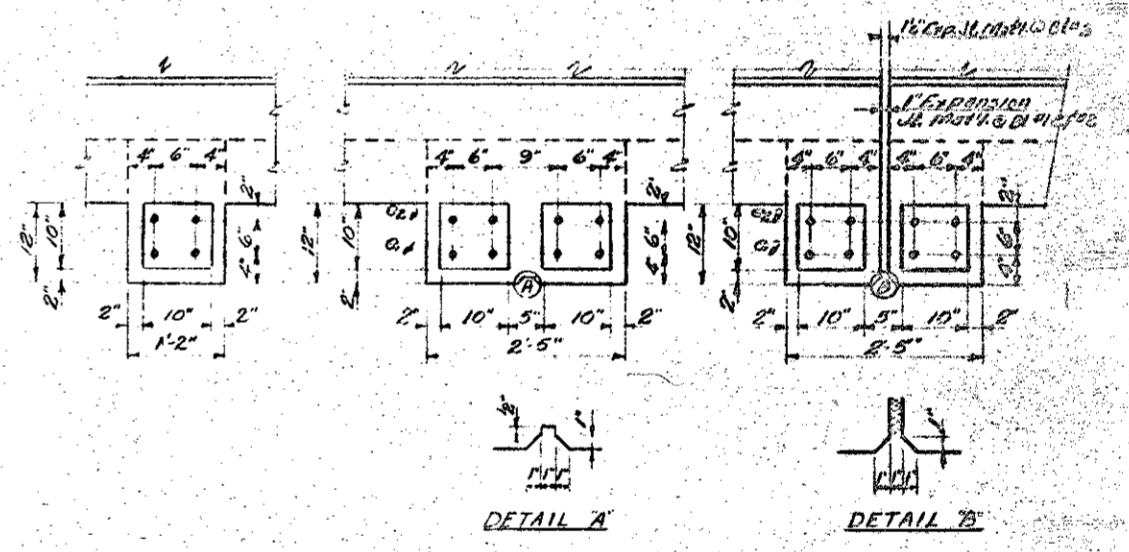
TYPICAL SECTION
SHOWING STEEL DIAPHRAGMS



MEDIAN DETAIL



POST DETAIL



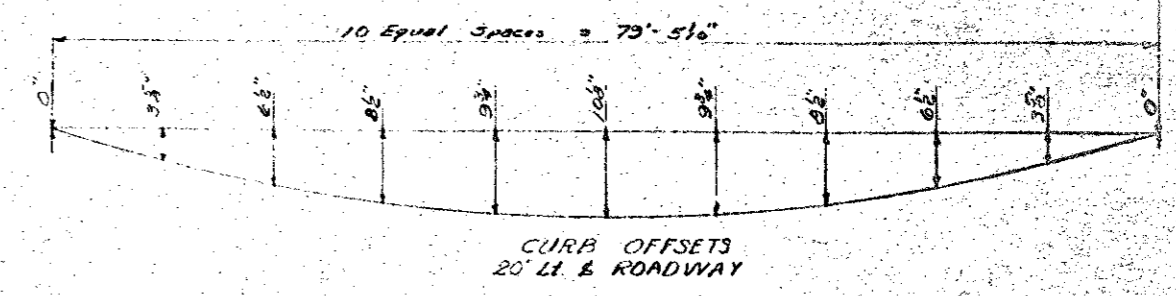
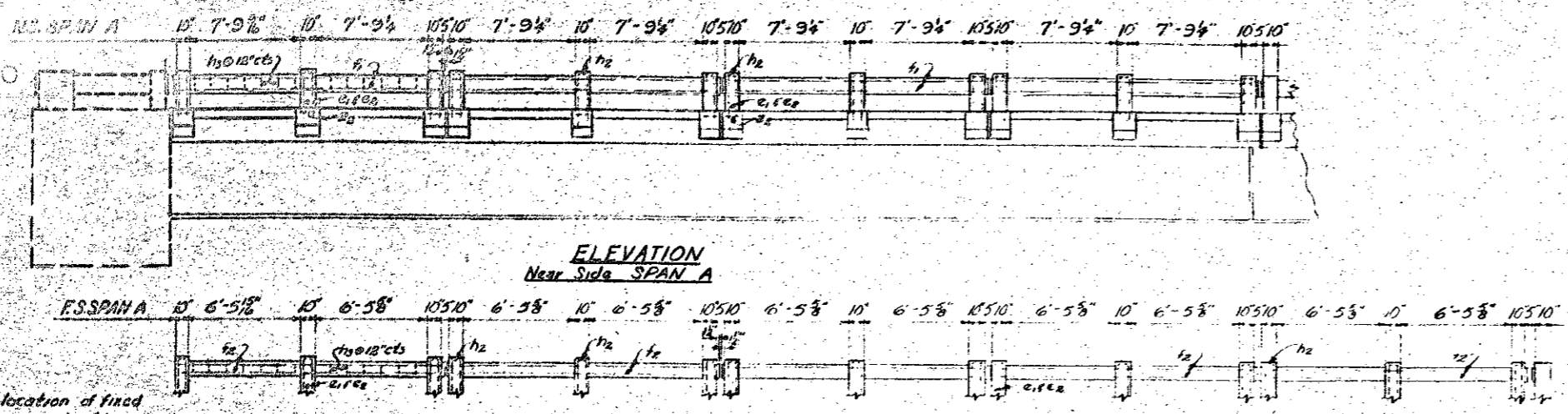
DETAIL A

DETAIL B

PROJECT NO. 8.194.30
HAYWOOD COUNTY
STATION: 32+21.80 P.O.L.
Sheet 1 of 13

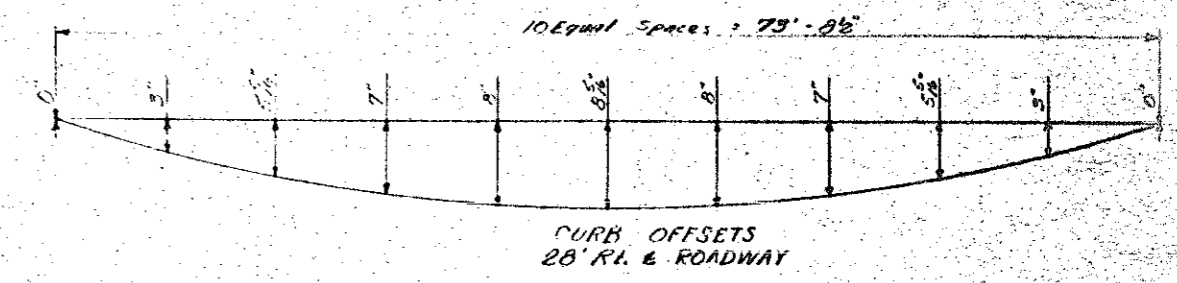
DATE	
BY	
CHECKED BY	
APPROVED BY	
DATE	
STATE OF NORTH CAROLINA STATE HIGHWAY COMMISSION SUPERSTRUCTURE DETAILS August, 1959	

DESIGNED BY	DATE
CHECKED BY	DATE
APPROVED BY	DATE
DATE	DATE

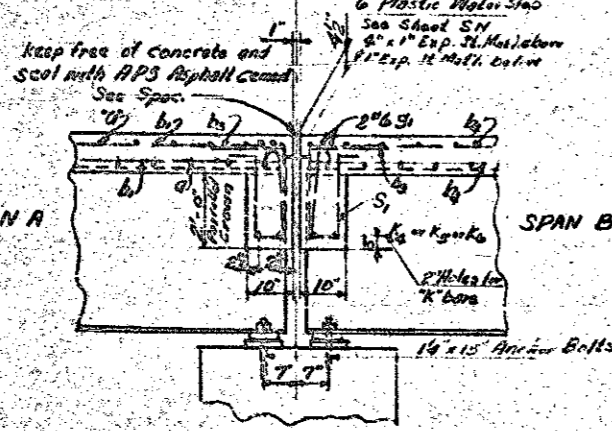
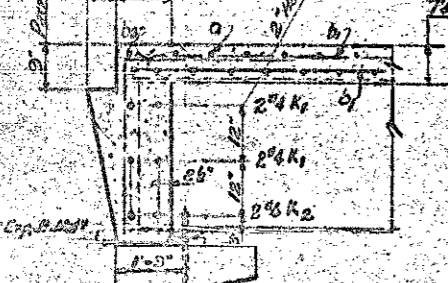
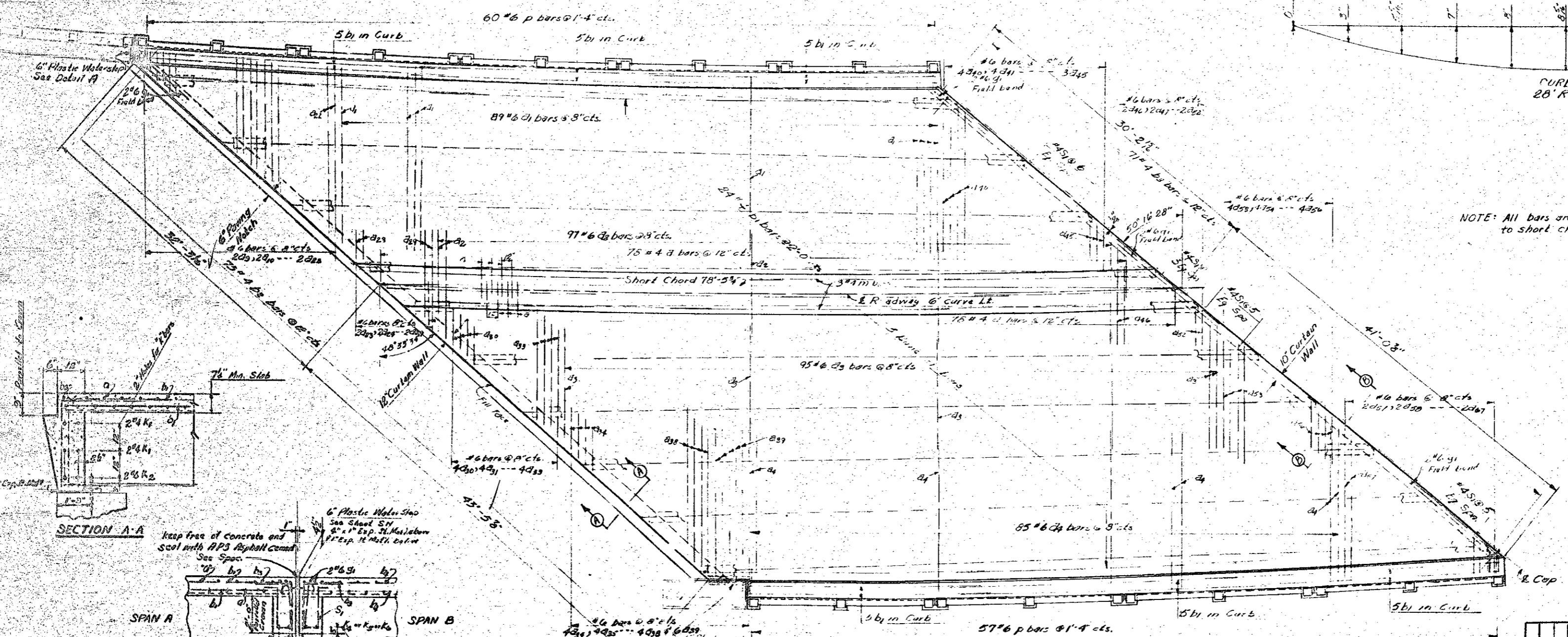


NOTE: For location of fixed and expansion ends of beams see General Drawing.

ELEVATION For Side SPAN A



NOTE: All bars are perpendicular to short chord @ Roadway.



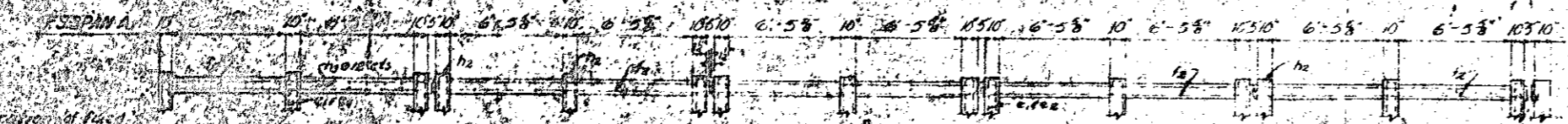
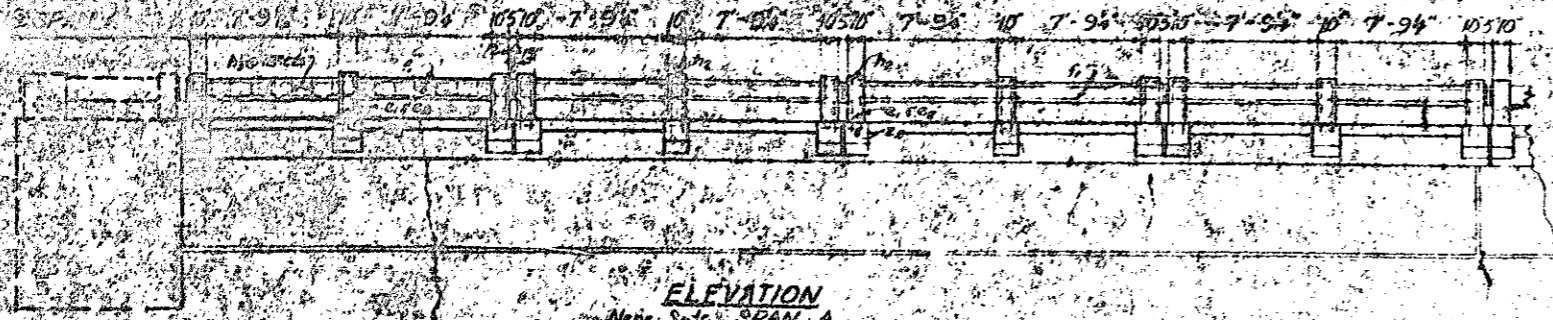
PLAN SPAN A SHOWING REINFORCING STEEL TOP OF SLAB

PROJECT NO. 819430
 HAYWOOD COUNTY
 STATION: 32+21.00 P.C.
 Sheet 2 of 13

DESIGNED BY	DATE
CHECKED BY	DATE
APPROVED BY	DATE
REVISIONS	

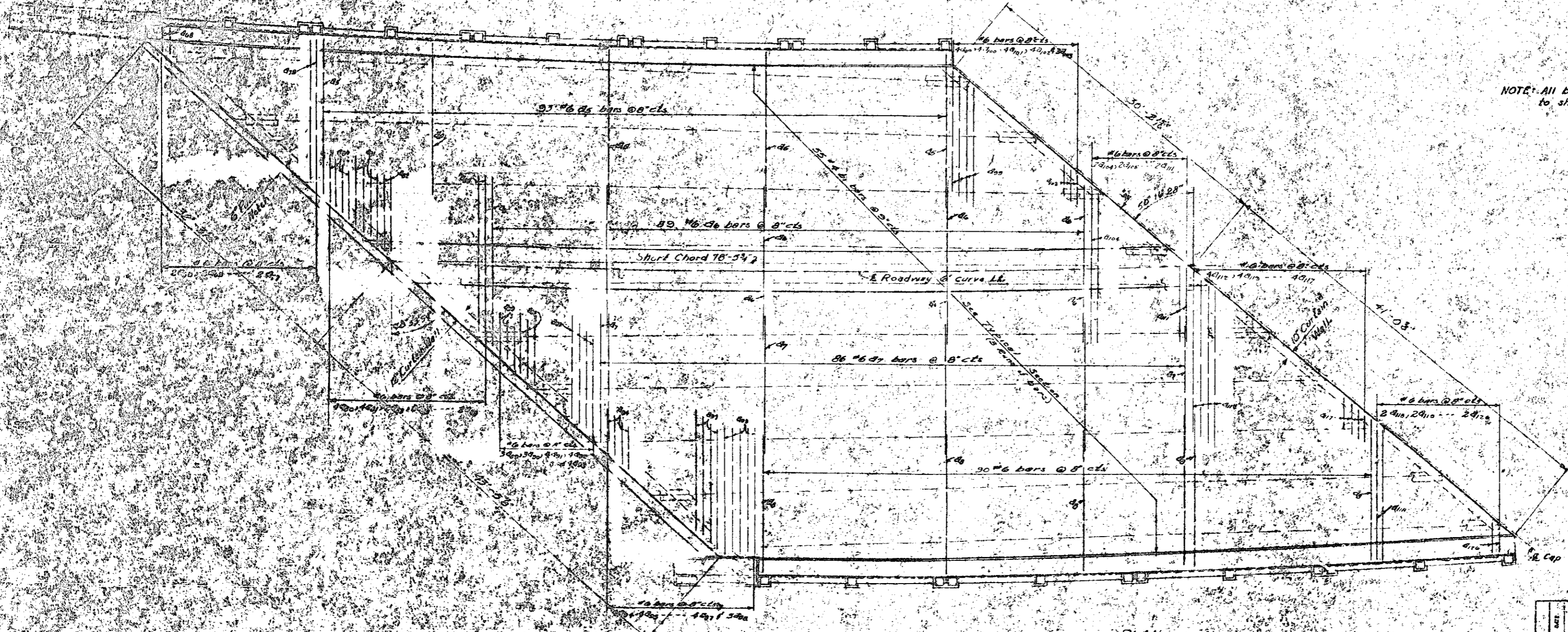
STATE OF NORTH CAROLINA
 STATE HIGHWAY COMMISSION
 SUPERSTRUCTURE
 SPAN A
 August 1959

DESIGNED BY: A.L. Patten
 CHECKED BY: D.L. Martin
 DATE: Dec 1959



NOTE: For location of bars and spacing, etc. of bed, see General Notes.

ELEVATION
Side SPAN A



NOTE: All bars are perpendicular to short chord of roadway.

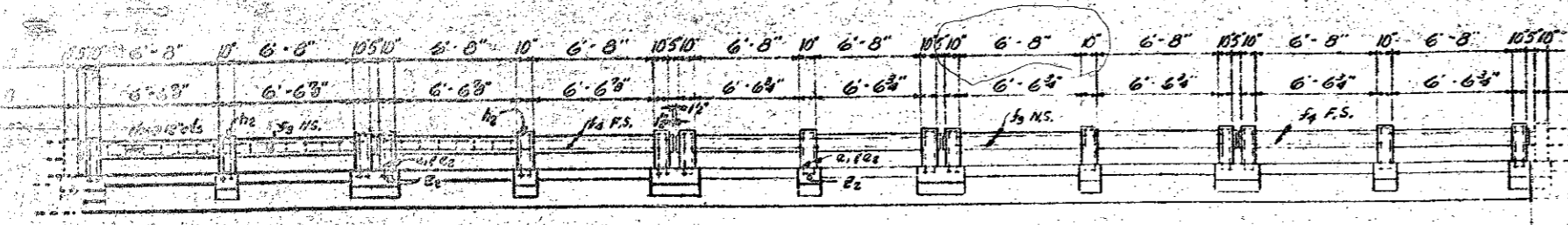
PLAN
SPAN A
SHOWING REINFORCING STEEL BOTTOM OF SLAB

PROJECT NO. 219/30
HAYWOOD COUNTY
STATION: 32+21.00 P.O.C. 2
Sheet 8 of 13

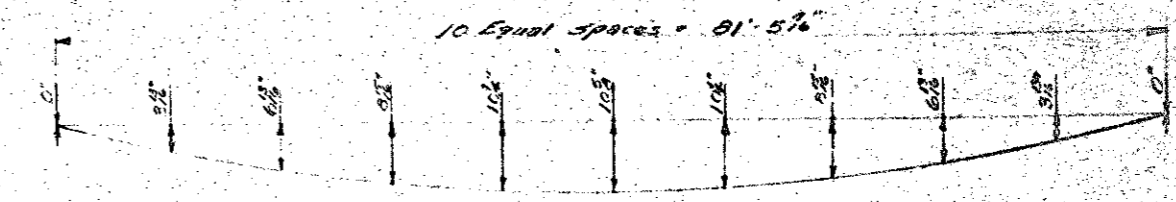
STATE OF NORTH CAROLINA
STATE HIGHWAY COMMISSION
SUPERSTRUCTURE
SPAN A
AUGUST, 1959

DESIGNED BY	DATE
DRAWN BY	DATE
CHECKED BY	DATE

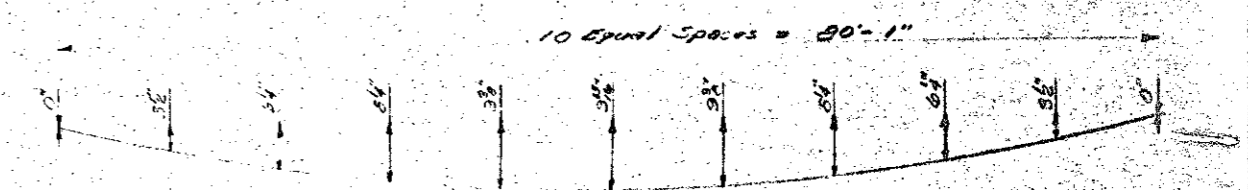
NO.	REVISION
1	
2	
3	
4	
5	



ELEVATION
SPAN B

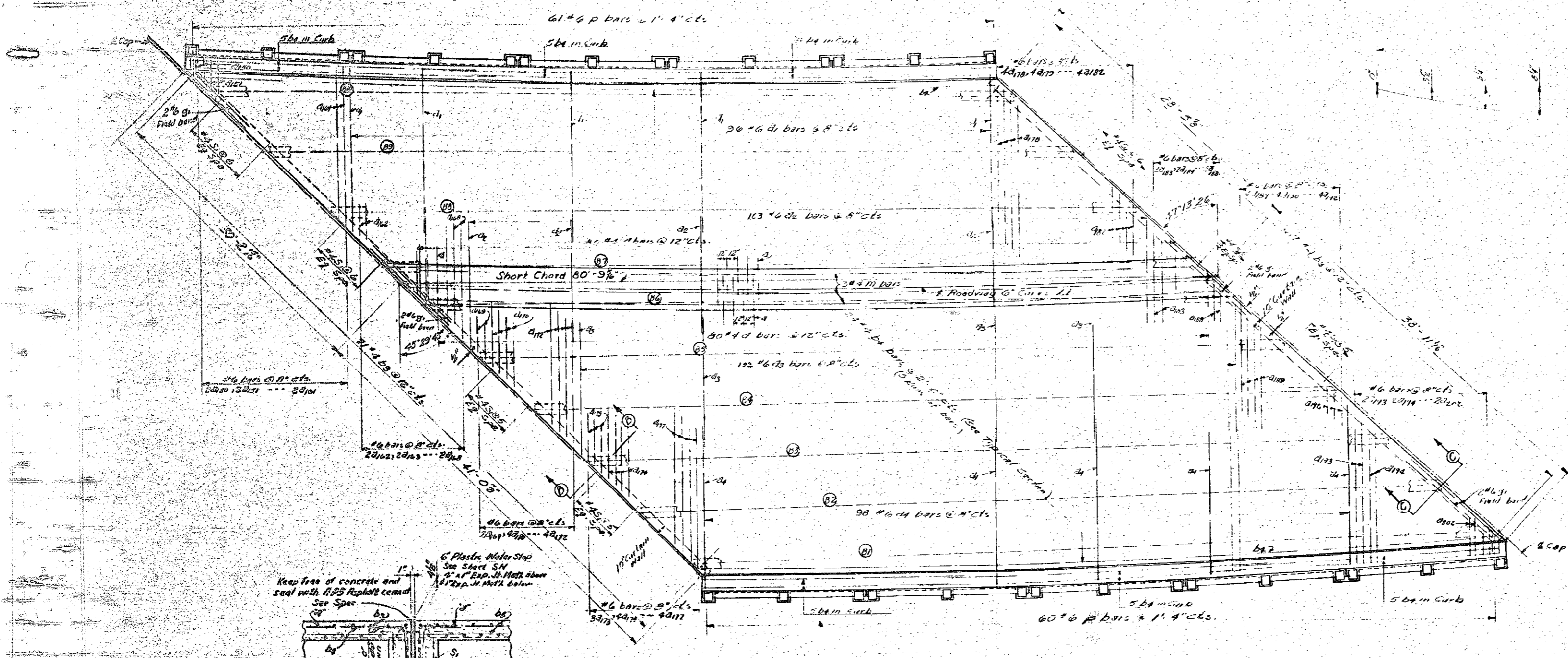


CURB OFFSETS
20' L.R. ROADWAY

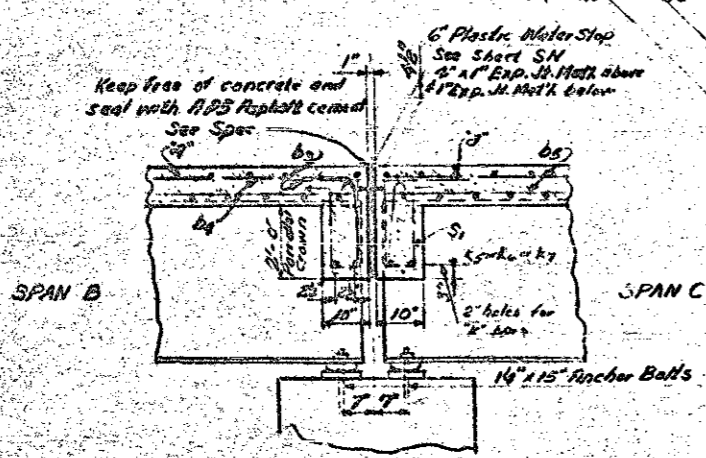


CURB OFFSETS
28' L.R. ROADWAY

NOTE: All bars are perpendicular
to short chord & roadway



PLAN
SPAN B
SHOWING REINFORCING STEEL TOP OF SLAB



SECTION C-C

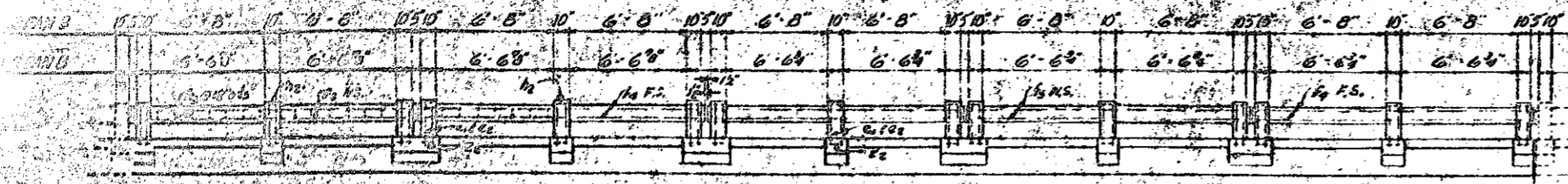
PROJECT NO. 8.13430
HAYWOOD COUNTY
STATION: 32+21.80 P.O.C.
Sheet 4 of 13

STATE OF NORTH CAROLINA
STATE HIGHWAY COMMISSION
BALDWIN
SUPERSTRUCTURE
SPAN B

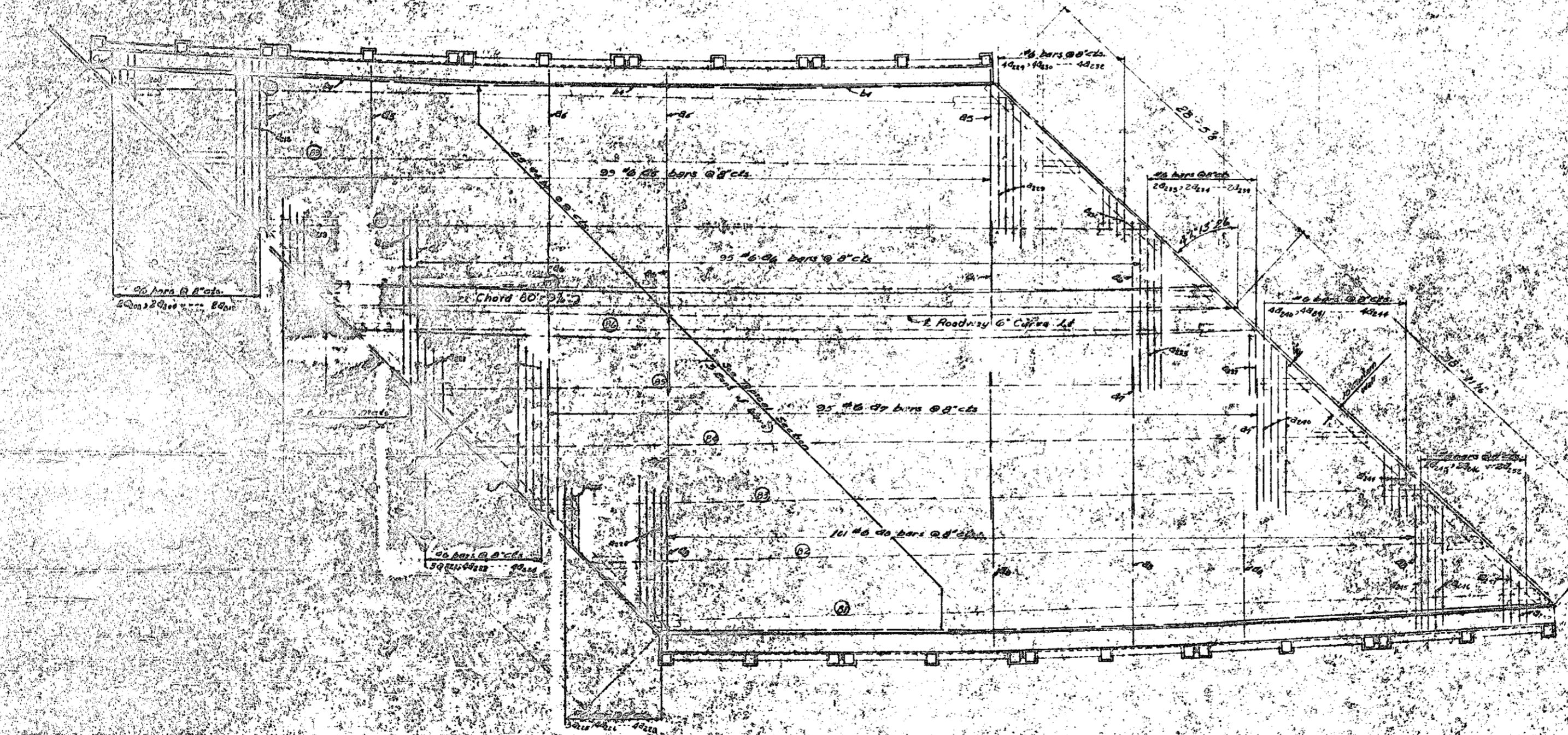
August, 1959

DESIGNED BY	J. B. Packer	DATE	2-2-59
DRAWN BY		DATE	2-2-59
CHECKED BY	R. W. Moore	DATE	7-2-59

REVISIONS	NO.	DATE	BY
	1		
	2		
	3		
	4		



ELEVATION
SPAN B



PLAN
SPAN B
SHOWING REINFORCING STEEL BOTTOM OF SLAB

NOTE: All bars are perpendicular
to short chord @ E. of Roadway

PROJECT NO. 21430

HAYWOOD COUNTY

STATION: 22+125 P.O.

Sheet 2 of 13

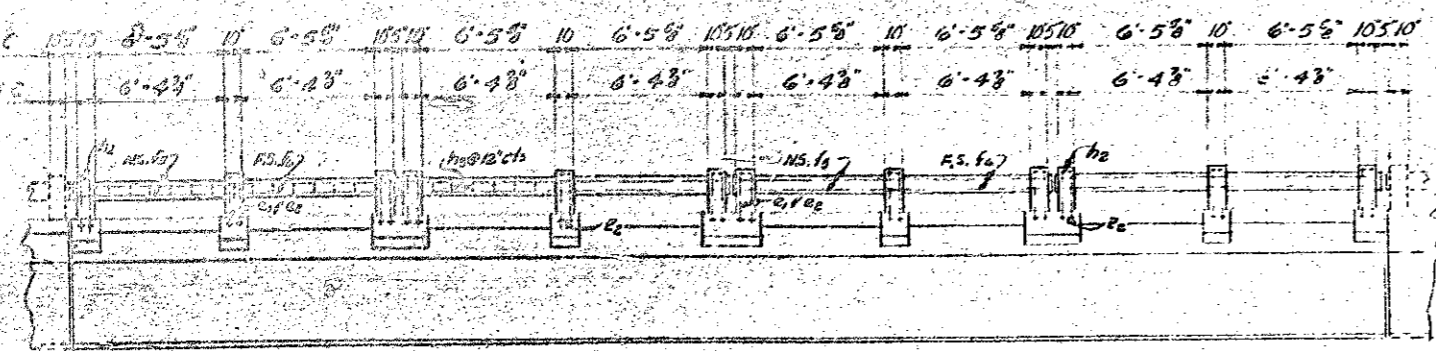
STATE OF NORTH CAROLINA
STATE HIGHWAY COMMISSION

SUPERSTRUCTURE
SPAN B

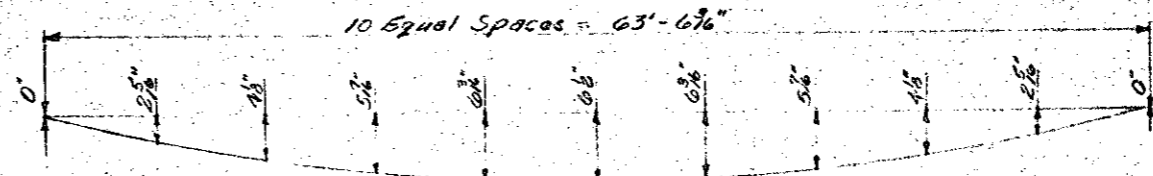
August, 1933

DESIGNED BY	A. B. [Signature]
CHECKED BY	[Signature]
DATE	Aug 1933

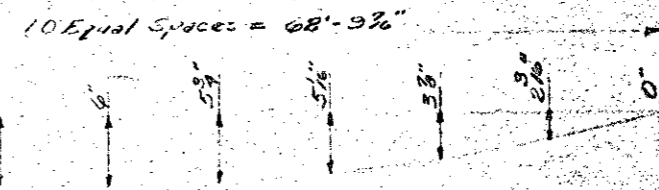
REVISED	DATE	BY



ELEVATION
SPAN C

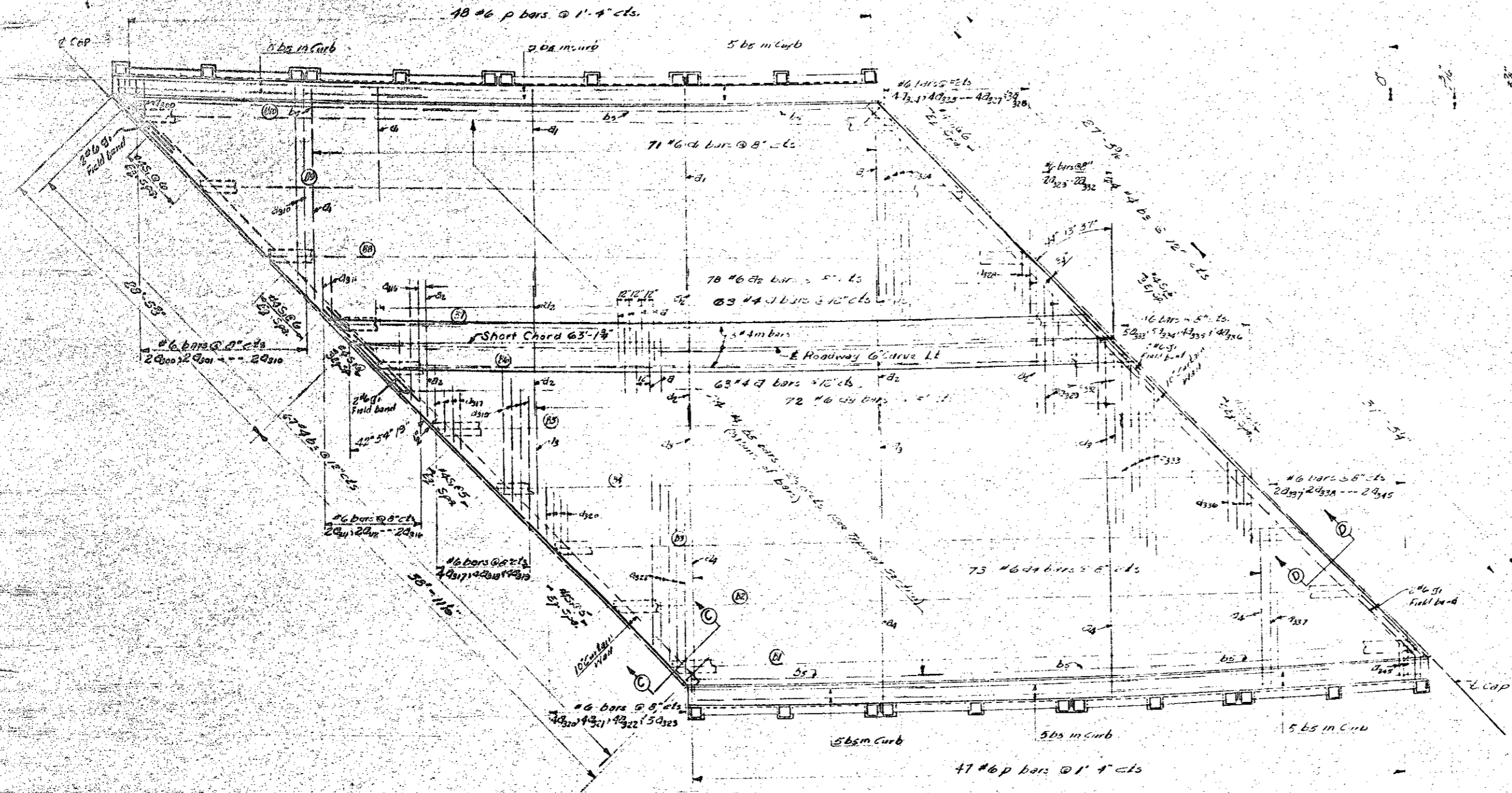


CURB OFFSETS
20' Lt. & Roadway



CURB OFFSETS
28' Lt. & Roadway

NOTE: All bars are perpendicular
to short chord & roadway.



PLAN
SPAN C
SHOWING REINFORCING STEEL TOP OF SLAB

PROJECT NO. 219430
HAYWOOD COUNTY
STATION: 32+21.80 P.C. - 1
Sheet 6 of 13

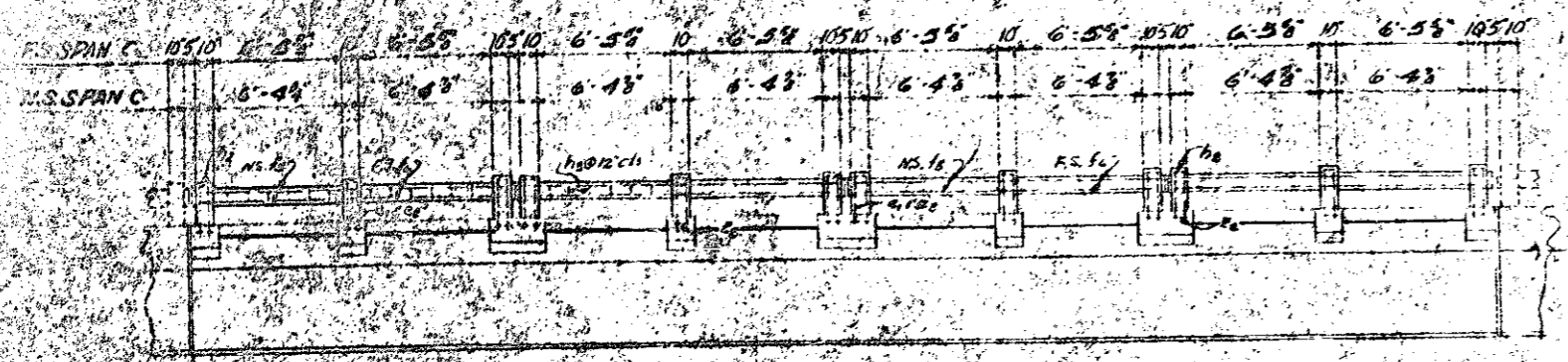
STATE OF NORTH CAROLINA
STATE HIGHWAY COMMISSION
RALEIGH

SUPERSTRUCTURE
SPAN C

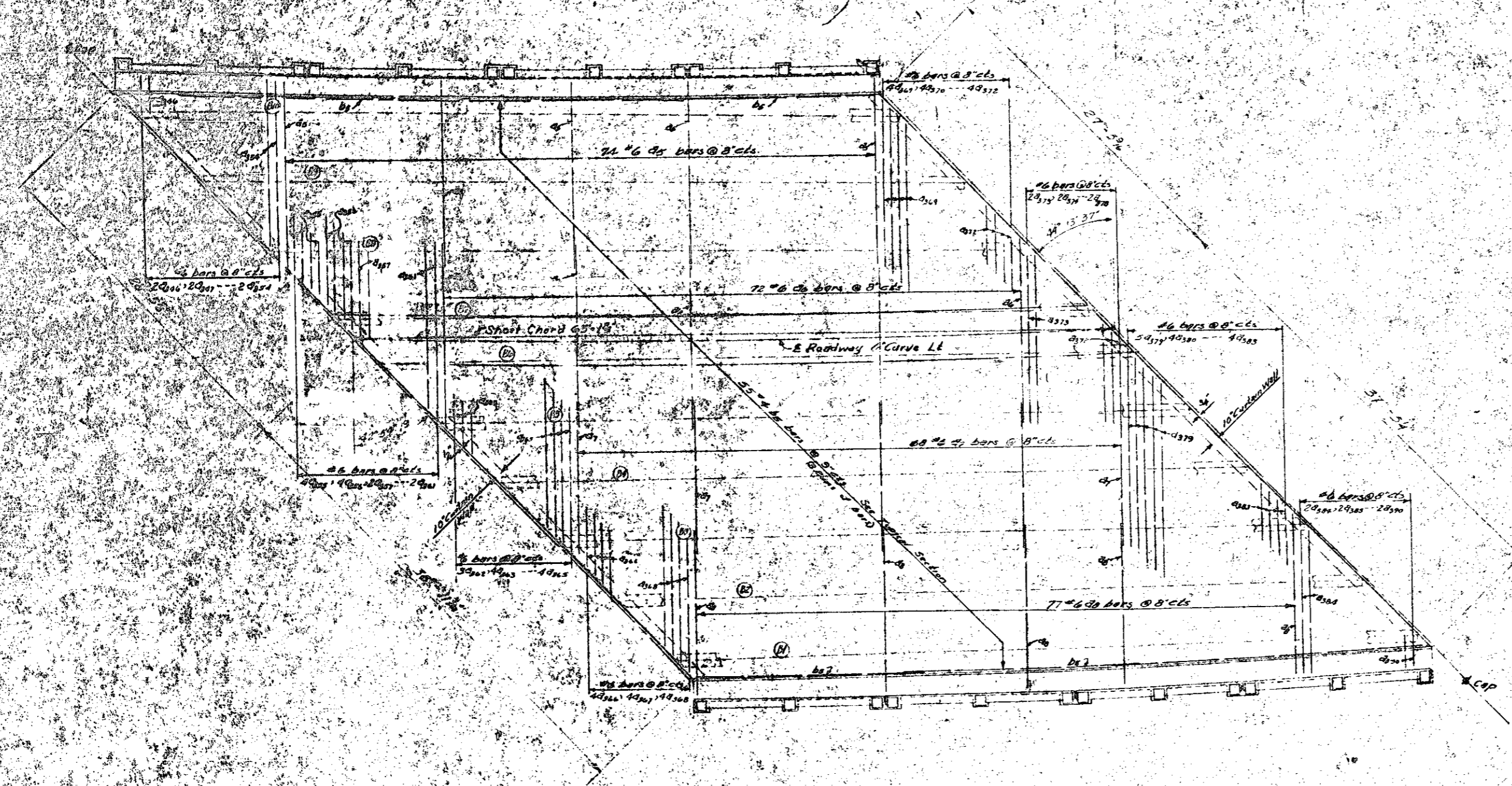
August 1953

NO.	DATE	BY	REVISIONS

DESIGNED BY	J. A. Egan	DATE	
CHECKED BY		DATE	
FORWARDED BY		DATE	
APPROVED BY	R. S. Martin	DATE	



ELEVATION
 SPAN C



PLAN
 SPAN C
 SHOWING REINFORCING STEEL BOTTOM OF SLAB

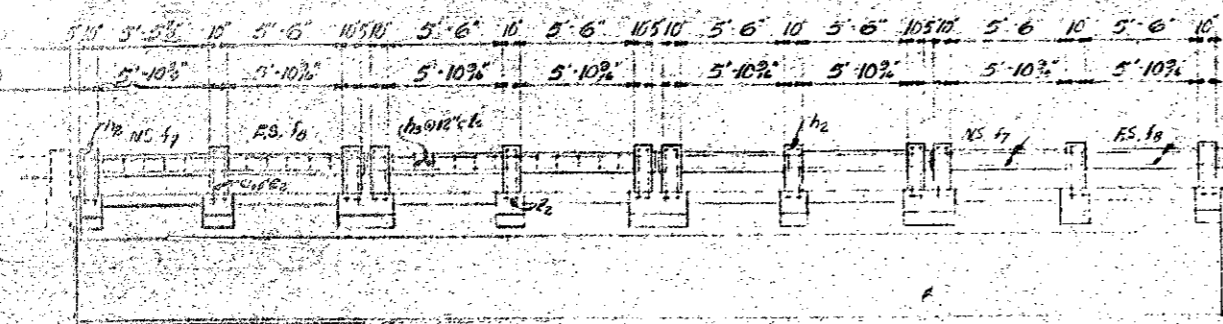
NOTE: All bars are perpendicular to short chord @ E Roadway.

PROJECT NO. 8.19430
 HAYWOOD COUNTY
 STATION: 32+81.80 P.O.C. - L
 Sheet 7 of 13

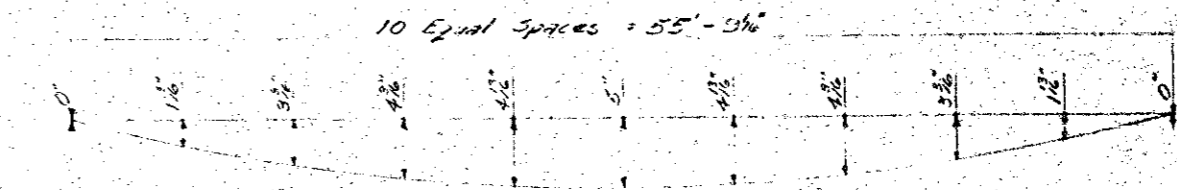
STATE OF NORTH CAROLINA
 STATE HIGHWAY COMMISSION
 BALCON
 SUPERSTRUCTURE
 SPAN C
 August 1959

DESIGNED BY: J. H. P. Co.
 DRAWN BY: J. H. P. Co.
 CHECKED BY: J. H. P. Co.
 DATE: Oct 1959

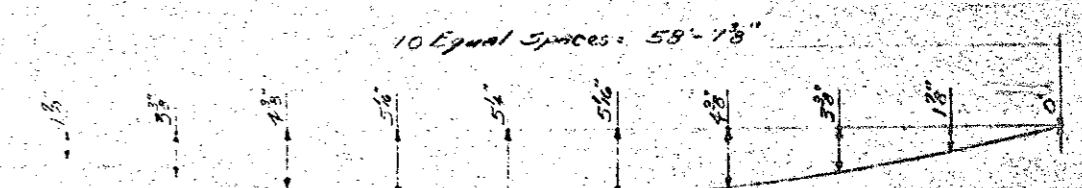
REVISIONS	NO.	DATE	BY



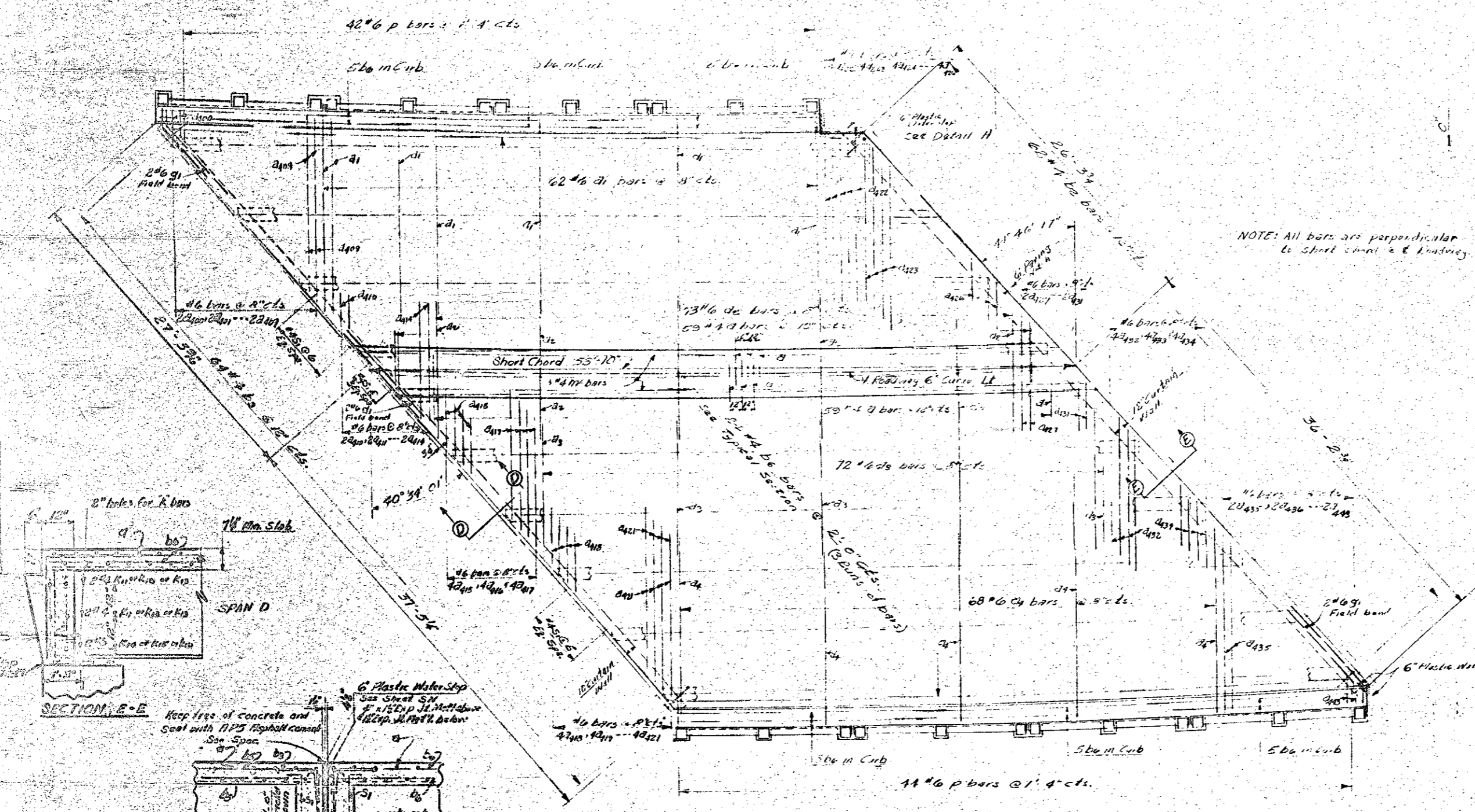
ELEVATION
SPAN D



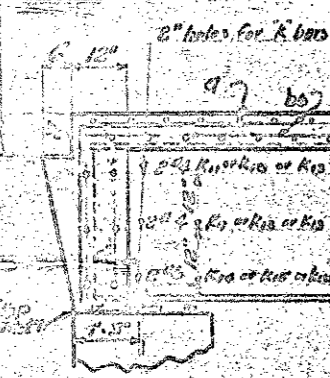
CURB OFFSETS
20' LT. & ROADWAY



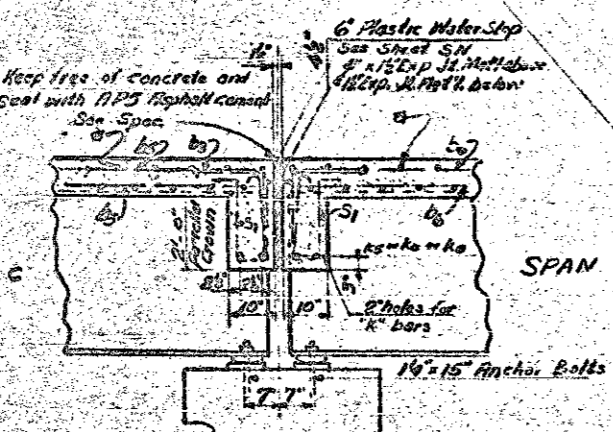
CURB OFFSETS
28' RT. & ROADWAY



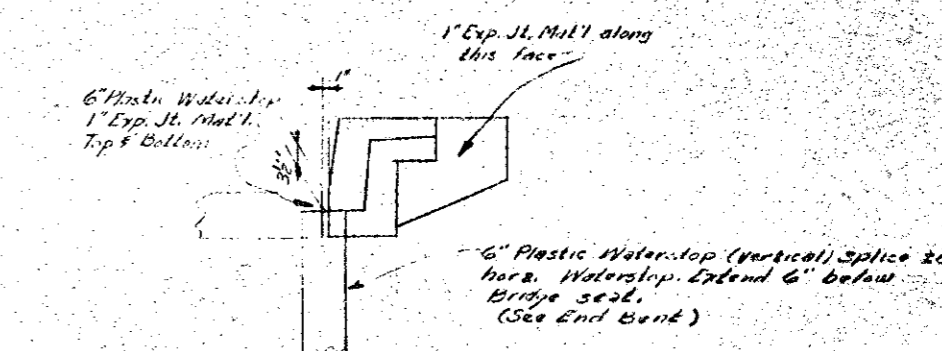
PLAN
SPAN D
SHOWING REINFORCING STEEL TOP OF SLAB



SECTION E-E



SECTION D-D



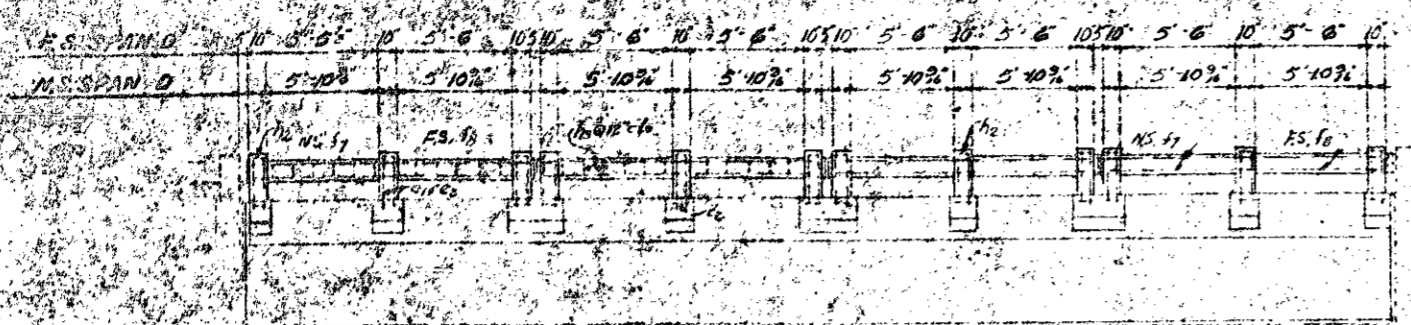
DETAIL A

PROJECT NO. 8.19430
HAYWOOD COUNTY
STATION: 32+21.80 P.C.
Sheet 0 of 13

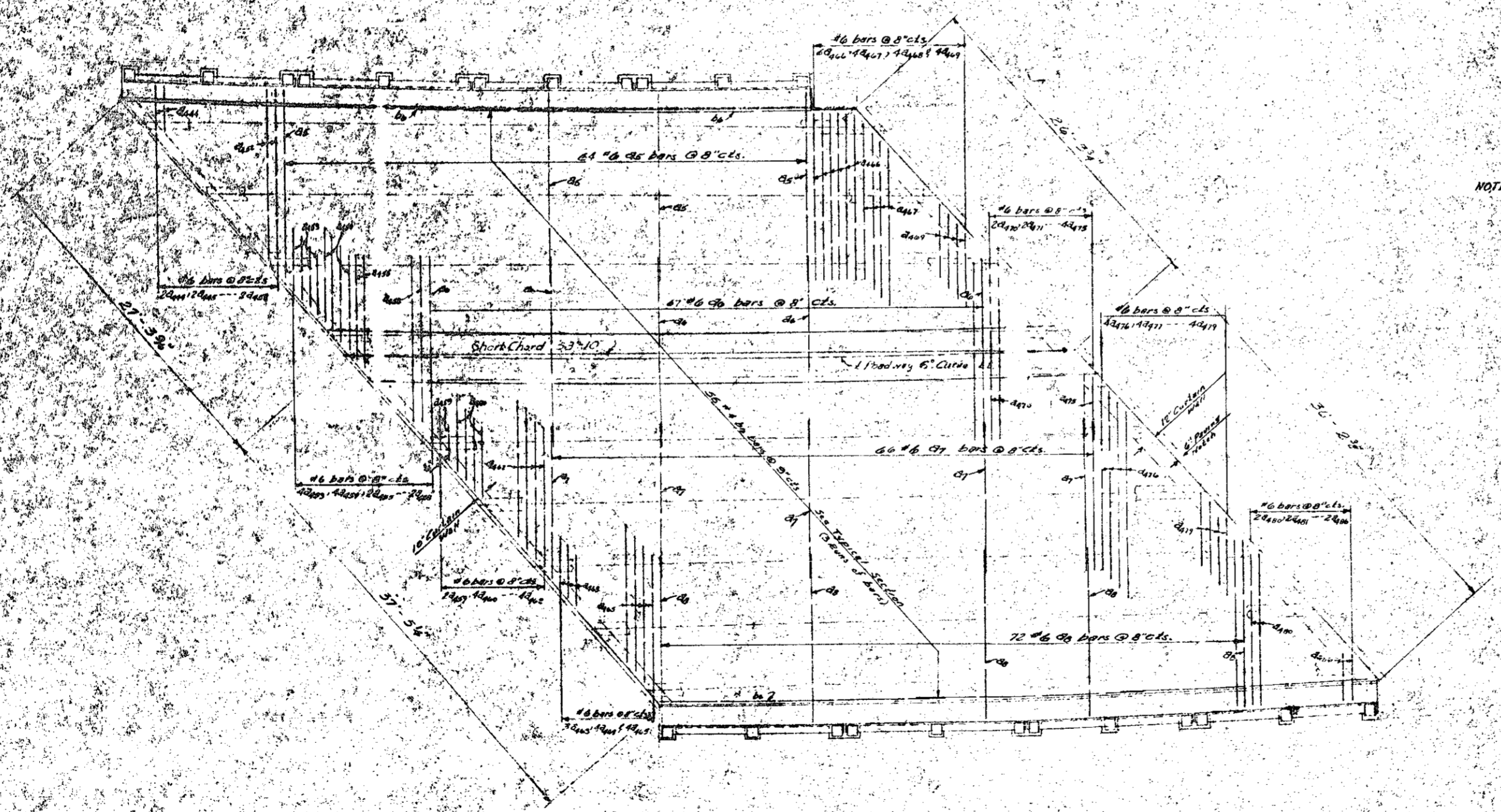
STATE OF NORTH CAROLINA
STATE HIGHWAY COMMISSION
BALCON
SUPERSTRUCTURE
SPAN D

DESIGNED BY	DATE
DRAWN BY	DATE
CHECKED BY	DATE
APPROVED BY	DATE

REVISIONS	DATE	BY	DESCRIPTION



ELEVATION
SPAN D



PLAN
SPAN D
SHOWING REINFORCING STEEL BOTTOM OF SLAB

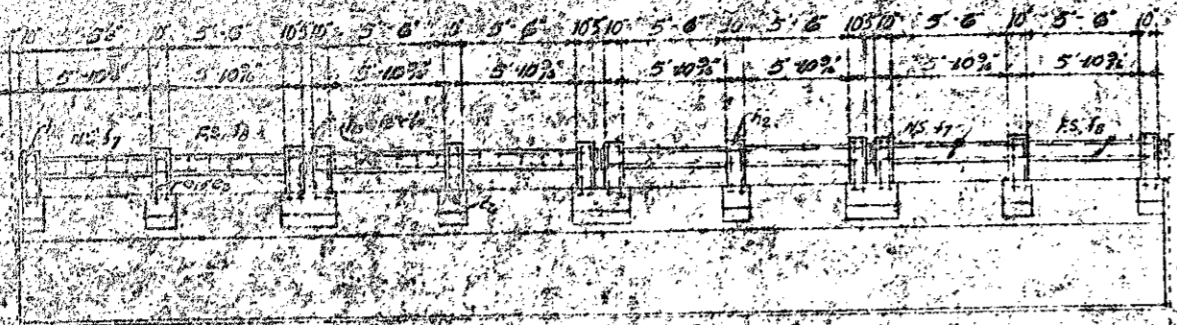
NOTE: All bars are perpendicular
to short chord of Roadway.

PROJECT NO. 619430
HAYWOOD COUNTY
STATION: 32+21.60 P.C. 2'
Sheet 9 of 13

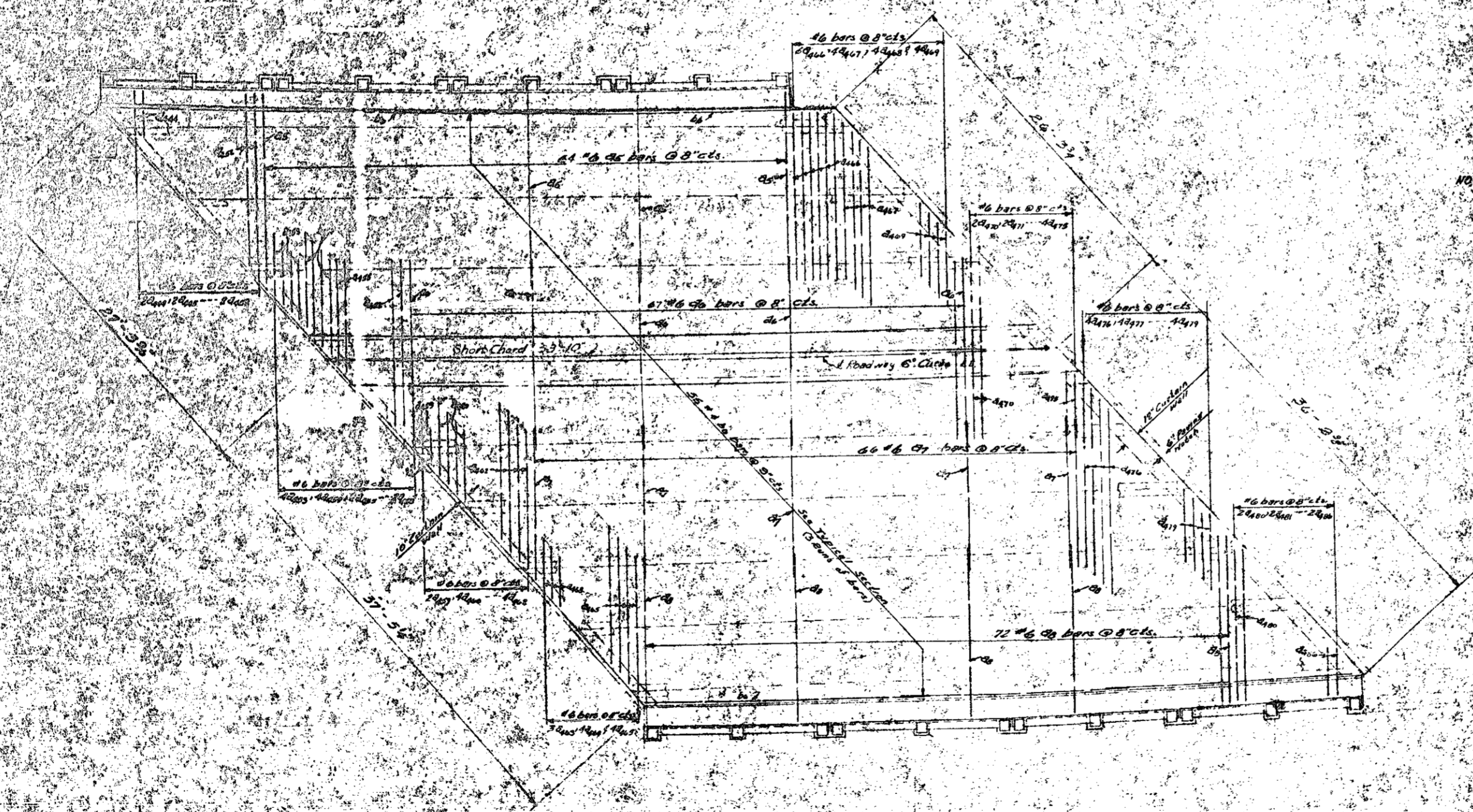
STATE OF NORTH CAROLINA
STATE HIGHWAY COMMISSION
SUPERSTRUCTURE
SPAN D

DESIGNED BY
DRAWN BY
CHECKED BY
DATE

REVISIONS	DATE



ELEVATION
SPAN D



PLAN
SPAN D
SHOWING REINFORCING STEEL BOTTOM OF SLAB

NOTE: All bars are perpendicular to abutment chord & roadway.

PROJECT NO. 819430

HAYWOOD COUNTY

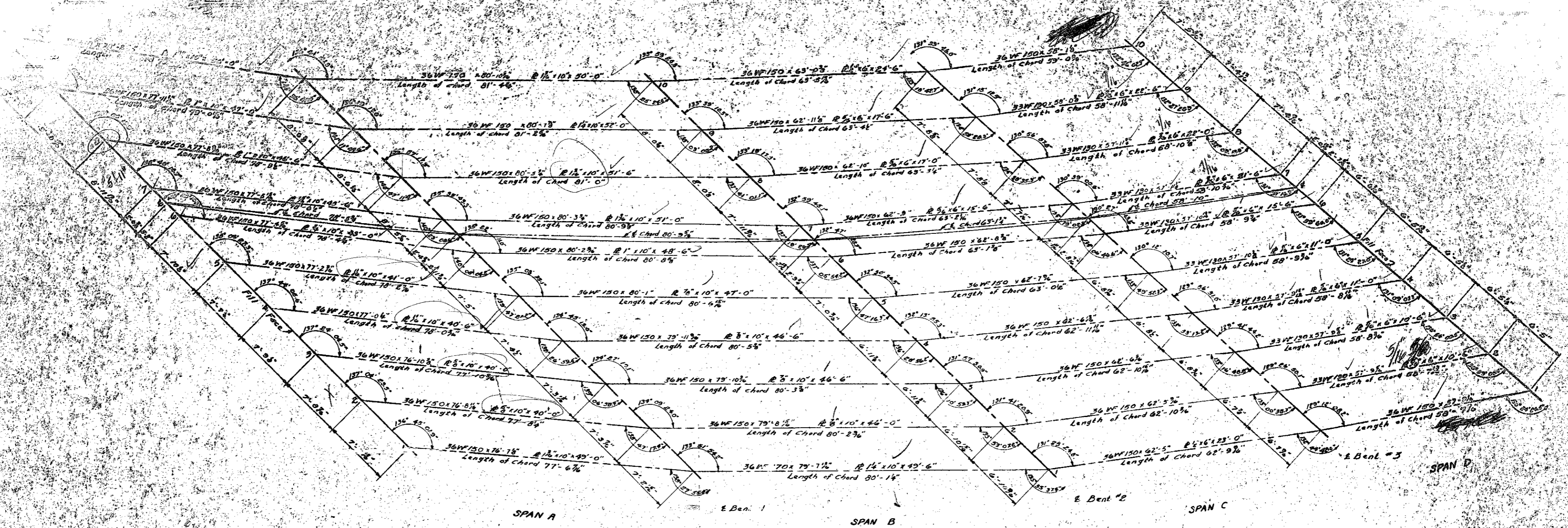
STATION: 52+21.80 PC

Sheet 9 of 13

STATE OF NORTH CAROLINA			
STATE HIGHWAY COMMISSION			
DIVISION OF HIGHWAYS			
SUPERSTRUCTURE			
SPAN D			

DATE	
BY	
CHECKED BY	
APPROVED BY	

DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
APPROVED BY	



ALIGNMENT DIAGRAM AND STEEL LAYOUT
 NOTE: Beam lengths are along top of beam, chord lengths are horizontal.

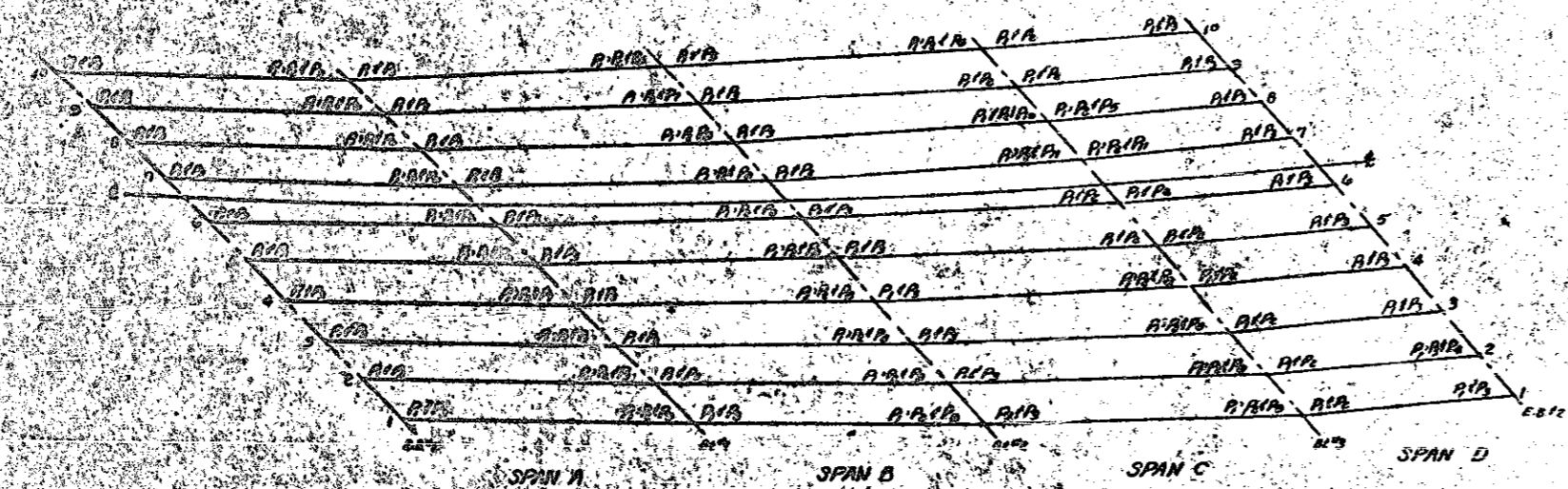
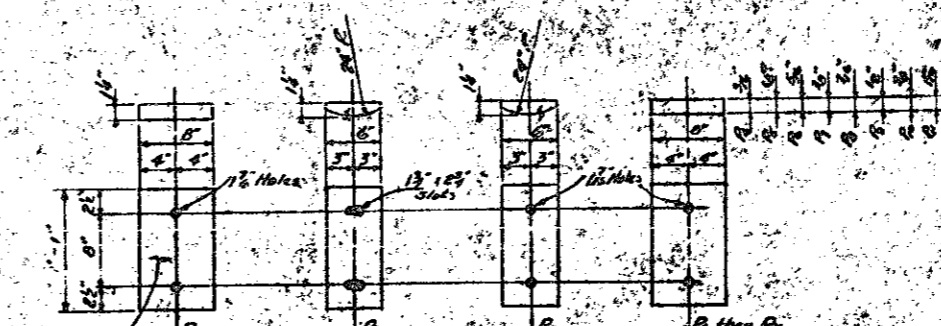
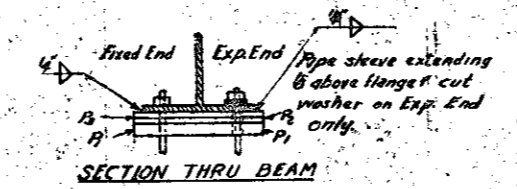


DIAGRAM SHOWING LOCATION OF PLATES



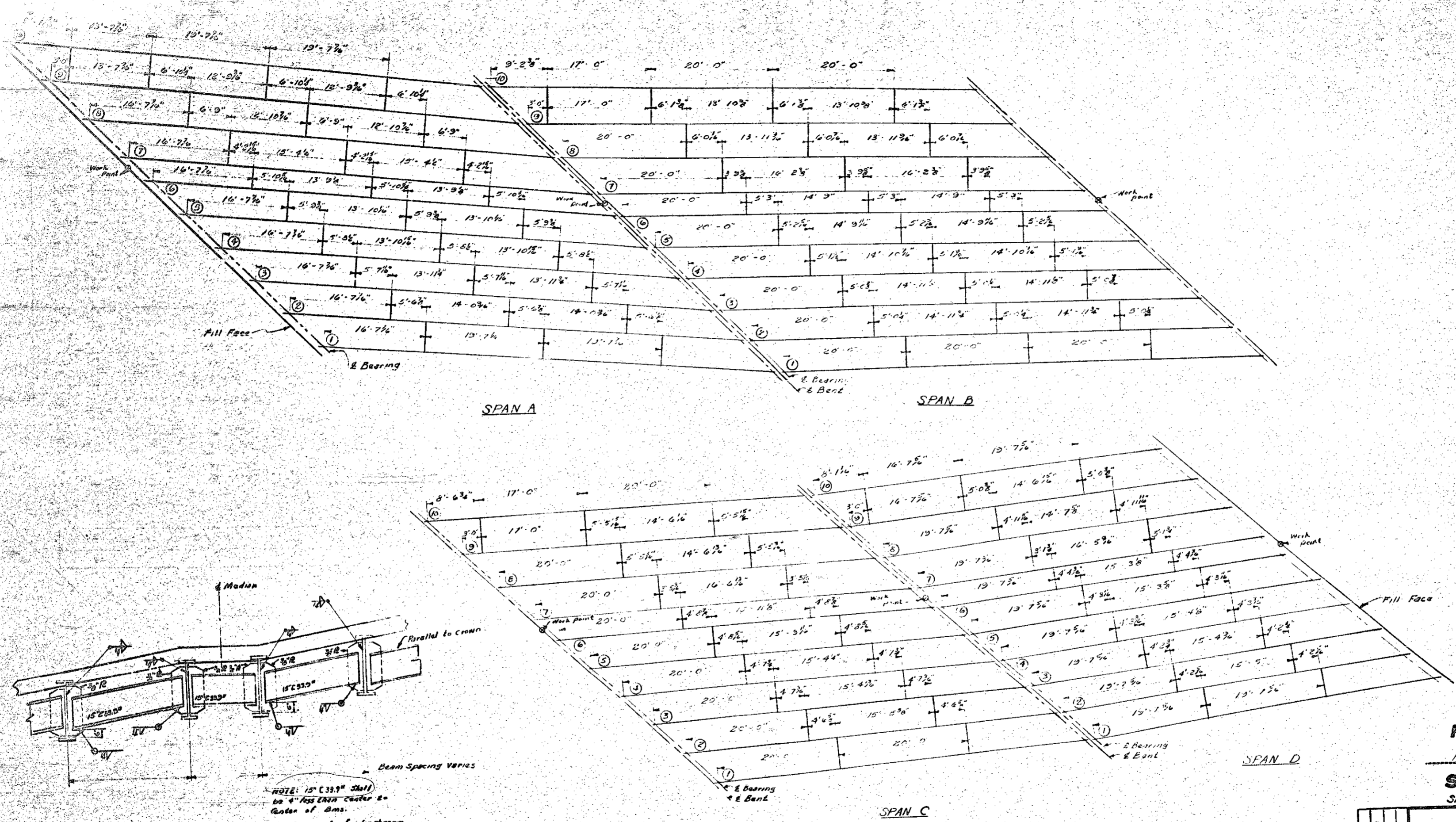
In planning, cut of tool to be in this direction. Make one side only. Flanged surfaces to be 75 degrees.

Required	A-100	B-1	C-4
	A-40	B-5	Part
	B-40	A-5	Part
	B-1	B-11	

PROJECT NO. 100150
 HAYFOOD COUNTY
 STATION: 22+00 TO 24+00
 Sheet 10 of 15

STATE OF NORTH CAROLINA
 STATE HIGHWAY COMMISSION
 PROJECT
STEEL LAYOUT
 October 1930

DATE	BY

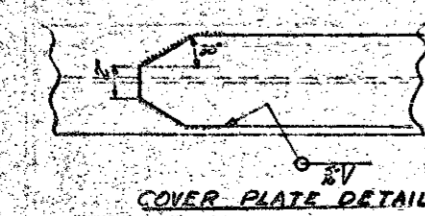
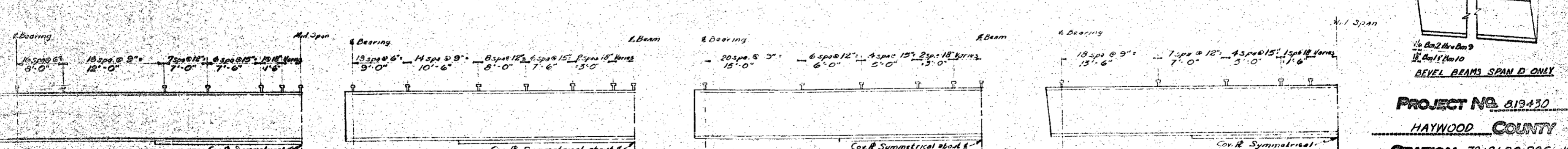
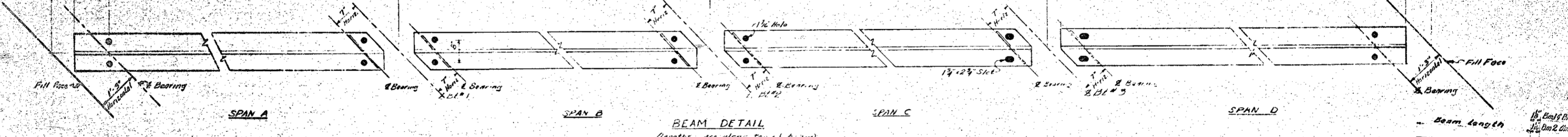
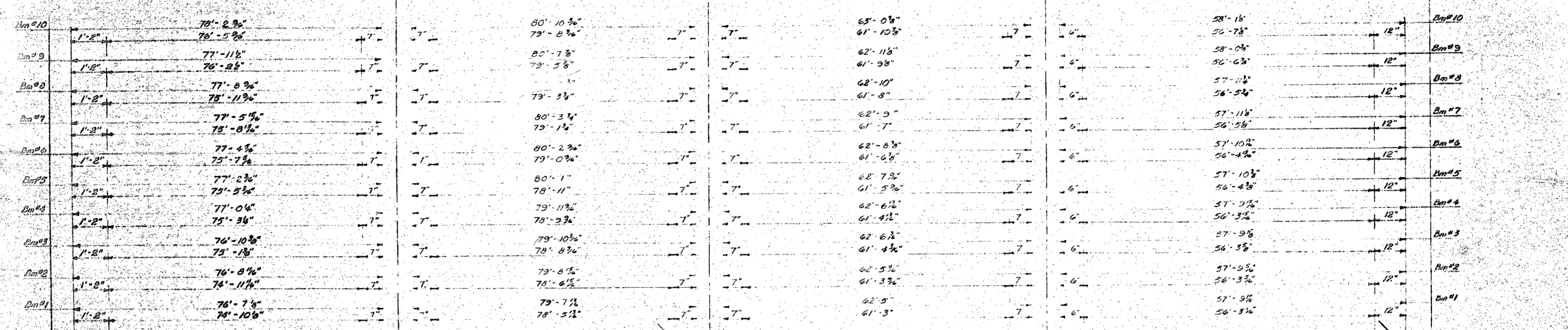


PROJECT NO. 819430
 HAYWOOD COUNTY
 STATION: 32+21.80 P.O.C. 11'
 Sheet 11 of 13

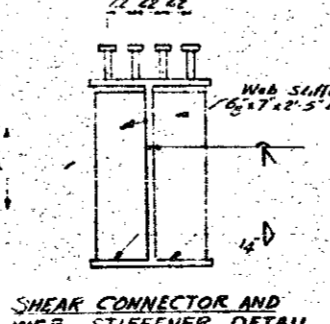
STATE OF NORTH CAROLINA
 STATE HIGHWAY COMMISSION
 STEEL LAYOUT
 AND
 DETAILS
 October 1959

DESIGNED BY: J. A. Parker
 DRAWN BY: J. A. Parker
 CHECKED BY: R. W. [unclear]
 DATE: Oct 1959

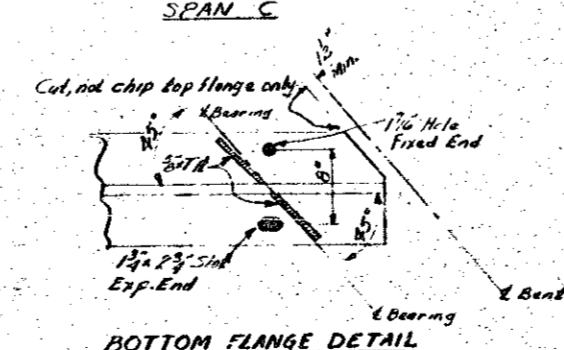
SPAN A										SPAN B										SPAN C										SPAN D									
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12"	13"	13"	13"	13"	13"	13"	13"	13"	13"	13"	13"	13"	13"	13"	13"	13"	13"	13"	13"	13"	13"	13"	13"	13"	13"	13"	13"	13"	13"	13"	13"	13"	13"	13"	13"	13"	13"	13"	13"
15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"
15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"
15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"



At the connections, optional
E & G shear connectors may
be used in lieu of 3/8" dia.
studs. See Special Provisions.



Omit web stiffener
on outside of outside
beams and at end
beams.



Cut, not chip top flange only
& bearing
1 1/2" dia
Fixed End
1 1/2" x 2 1/2" dia
Exp. End

DRAWN BY	DAT
CHECKED BY	DATE
APPROVED BY	DATE
DATE	DATE

PROJECT NO. 819430
HAYWOOD COUNTY
STATION 32+21.80 P.O.C. 1/2
Sheet 12 of 13

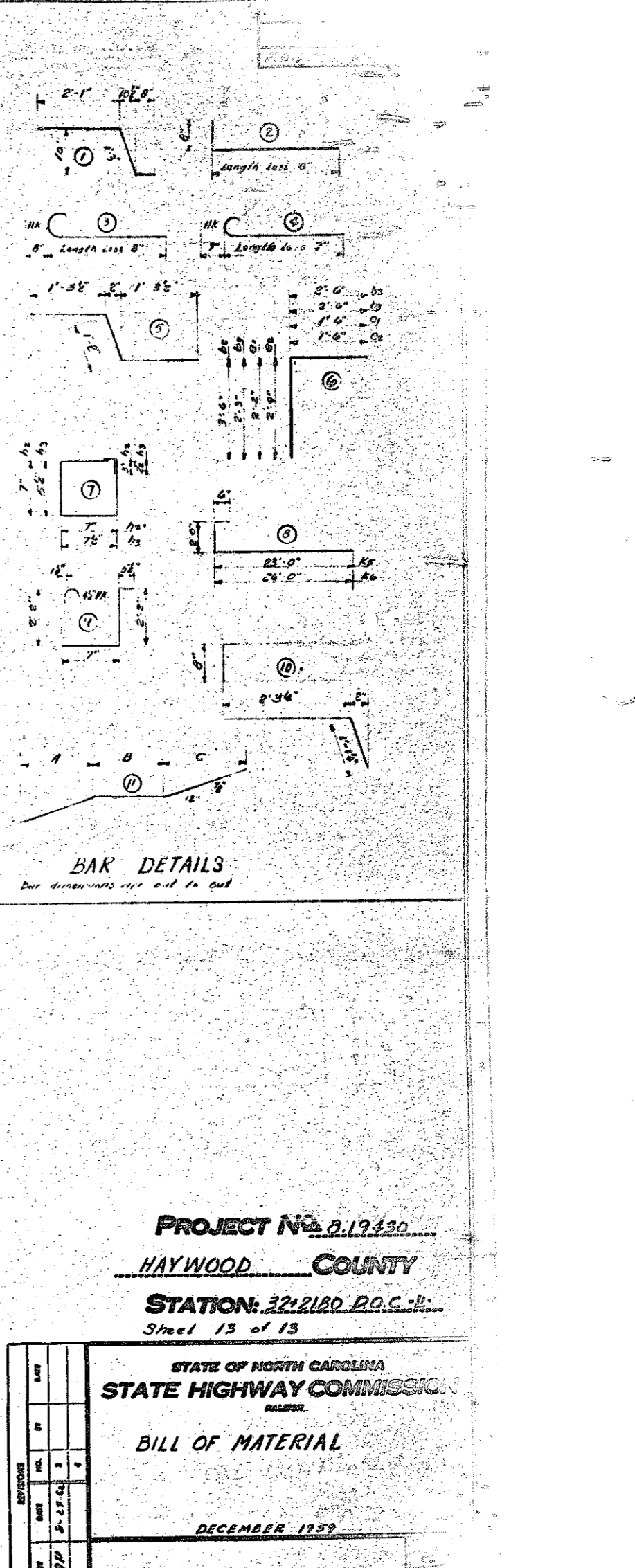
STATE OF NORTH CAROLINA
STATE HIGHWAY COMMISSION
DIVISION

STEEL LAYOUT

COVER PLATES
ON SHEET 13 OF 13

BAR NO	SIZE	TYP	A	B	C	LENGTH	WEIGHT	BAR NO	SIZE	TYP	A	B	C	LENGTH	WEIGHT
1	#6	Stk	10.0'			76	10.0	1	#6	Stk	10.0'			76	10.0
2	#6	Stk	10.0'			63	10.0	2	#6	Stk	10.0'			63	10.0
3	#6	Stk	10.0'			30	10.0	3	#6	Stk	10.0'			30	10.0
4	#6	Stk	10.0'			20	10.0	4	#6	Stk	10.0'			20	10.0
5	#6	Stk	10.0'			17	10.0	5	#6	Stk	10.0'			17	10.0
6	#6	Stk	10.0'			15	10.0	6	#6	Stk	10.0'			15	10.0
7	#6	Stk	10.0'			14	10.0	7	#6	Stk	10.0'			14	10.0
8	#6	Stk	10.0'			13	10.0	8	#6	Stk	10.0'			13	10.0
9	#6	Stk	10.0'			12	10.0	9	#6	Stk	10.0'			12	10.0
10	#6	Stk	10.0'			11	10.0	10	#6	Stk	10.0'			11	10.0
11	#6	Stk	10.0'			10	10.0	11	#6	Stk	10.0'			10	10.0
12	#6	Stk	10.0'			9	10.0	12	#6	Stk	10.0'			9	10.0
13	#6	Stk	10.0'			8	10.0	13	#6	Stk	10.0'			8	10.0
14	#6	Stk	10.0'			7	10.0	14	#6	Stk	10.0'			7	10.0
15	#6	Stk	10.0'			6	10.0	15	#6	Stk	10.0'			6	10.0
16	#6	Stk	10.0'			5	10.0	16	#6	Stk	10.0'			5	10.0
17	#6	Stk	10.0'			4	10.0	17	#6	Stk	10.0'			4	10.0
18	#6	Stk	10.0'			3	10.0	18	#6	Stk	10.0'			3	10.0
19	#6	Stk	10.0'			2	10.0	19	#6	Stk	10.0'			2	10.0
20	#6	Stk	10.0'			1	10.0	20	#6	Stk	10.0'			1	10.0

BAR NO	SIZE	TYP	A	B	C	LENGTH	WEIGHT	BAR NO	SIZE	TYP	A	B	C	LENGTH	WEIGHT
21	#6	Stk	10.0'			1	10.0	21	#6	Stk	10.0'			1	10.0
22	#6	Stk	10.0'			2	10.0	22	#6	Stk	10.0'			2	10.0
23	#6	Stk	10.0'			3	10.0	23	#6	Stk	10.0'			3	10.0
24	#6	Stk	10.0'			4	10.0	24	#6	Stk	10.0'			4	10.0
25	#6	Stk	10.0'			5	10.0	25	#6	Stk	10.0'			5	10.0
26	#6	Stk	10.0'			6	10.0	26	#6	Stk	10.0'			6	10.0
27	#6	Stk	10.0'			7	10.0	27	#6	Stk	10.0'			7	10.0
28	#6	Stk	10.0'			8	10.0	28	#6	Stk	10.0'			8	10.0
29	#6	Stk	10.0'			9	10.0	29	#6	Stk	10.0'			9	10.0
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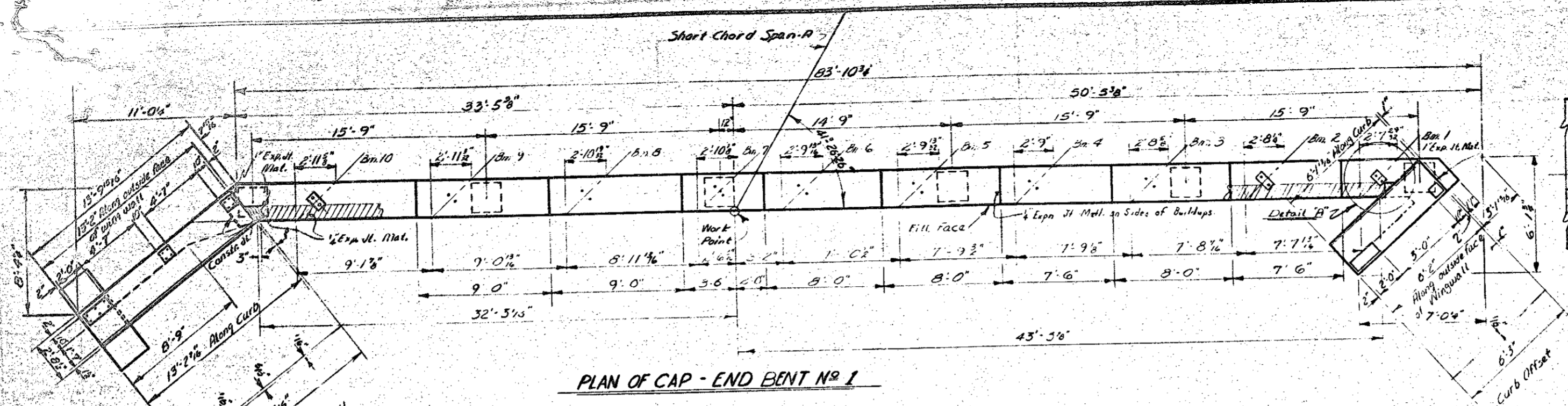


DESIGNED BY: J.P. ...
 CHECKED BY: R.W. ...
 DATE: Dec. 1969

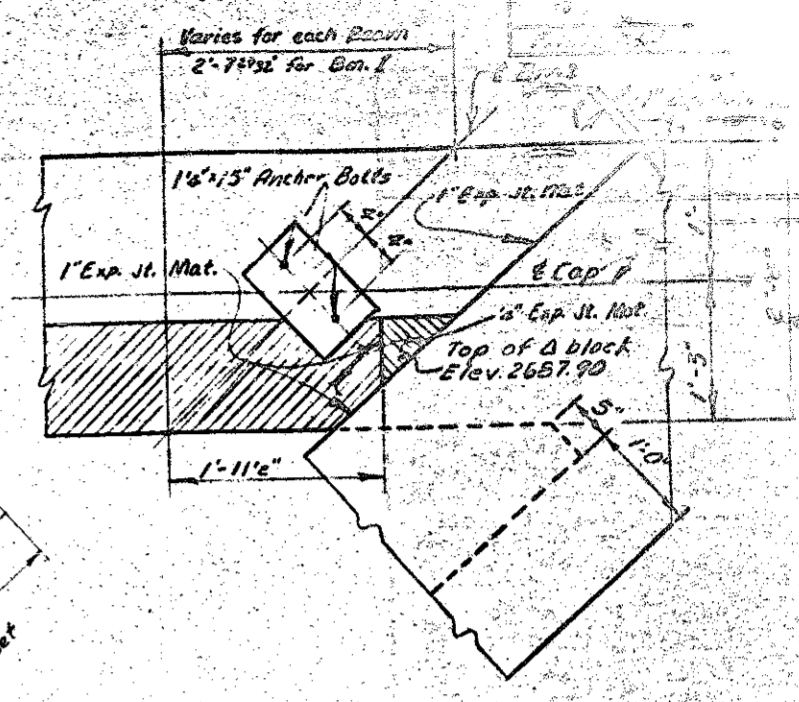
PROJECT No. 6.19.430
HAYWOOD COUNTY
STATION: 22+210 P.O.C.
 Sheet 13 of 13

STATE OF NORTH CAROLINA
 STATE HIGHWAY COMMISSION
 BILL OF MATERIAL
 DECEMBER 1969

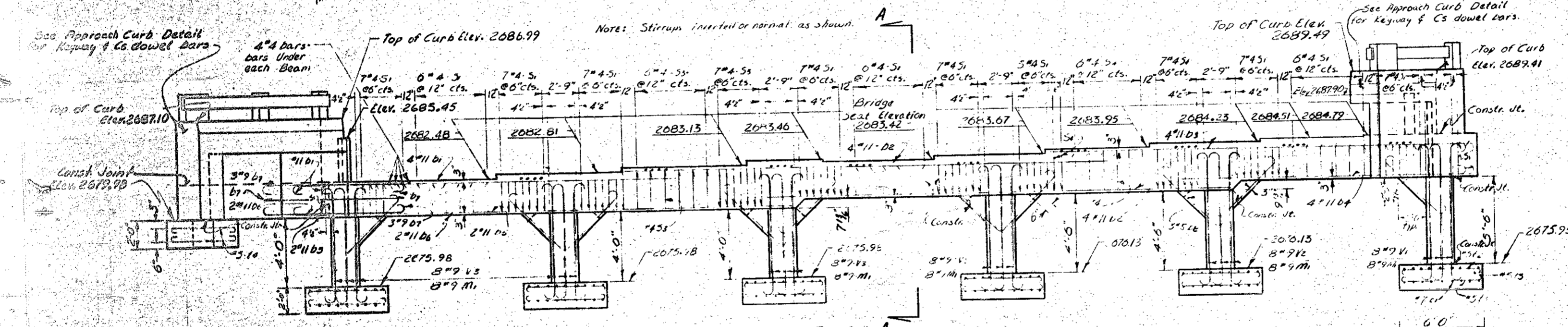
See 917 to change No. of Bars in Spans B, C, D & E



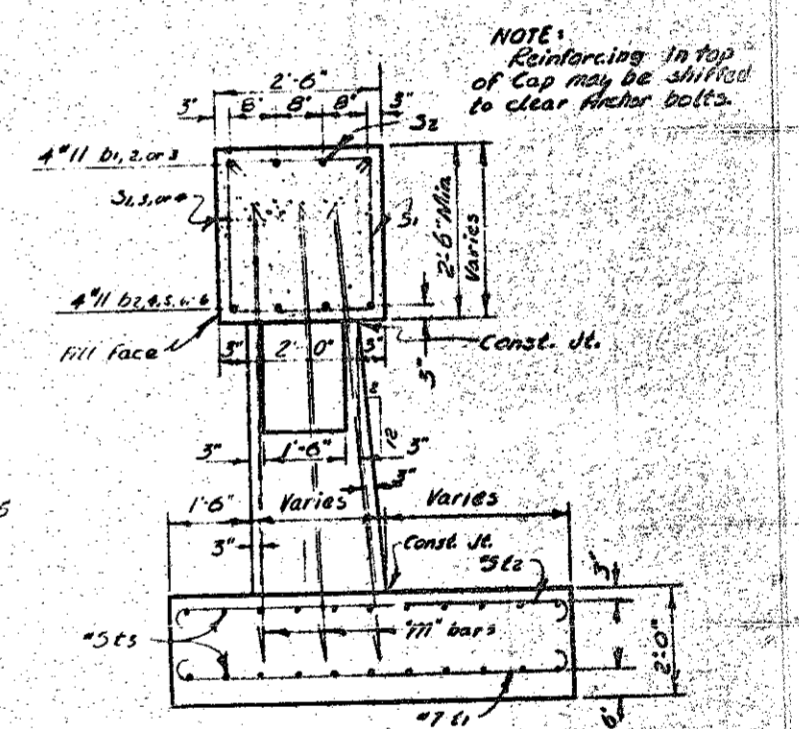
PLAN OF CAP - END BENT NO 1



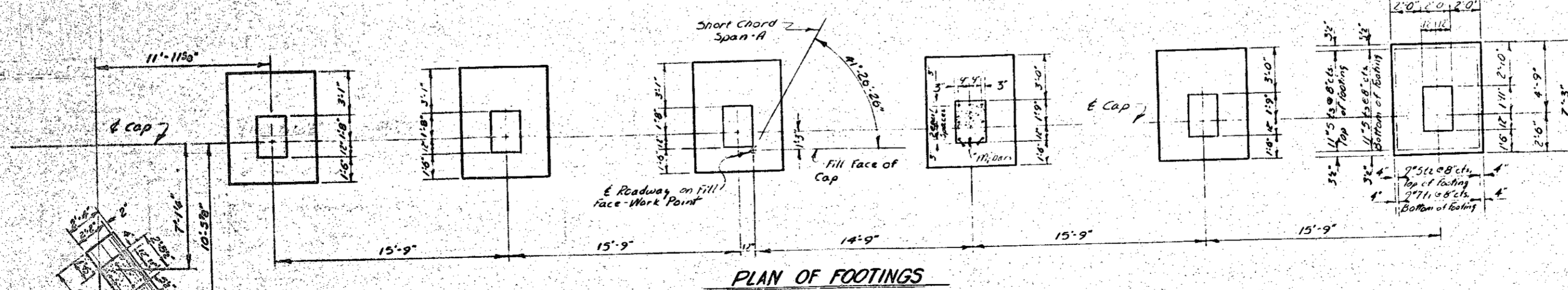
DETAIL 'A'



ELEVATION OF END BENT NO 1 A



SECTION A-A



PLAN OF FOOTINGS

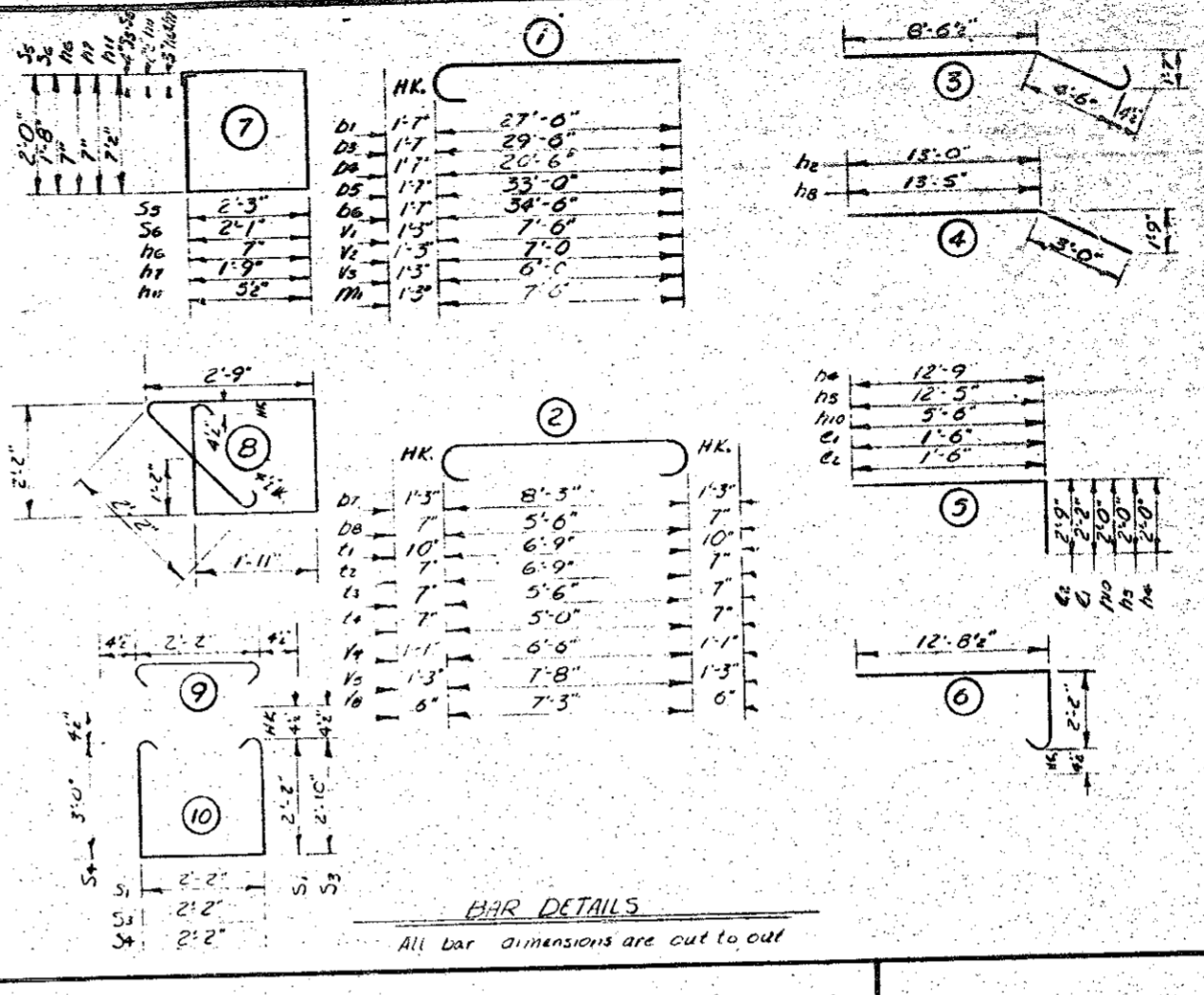
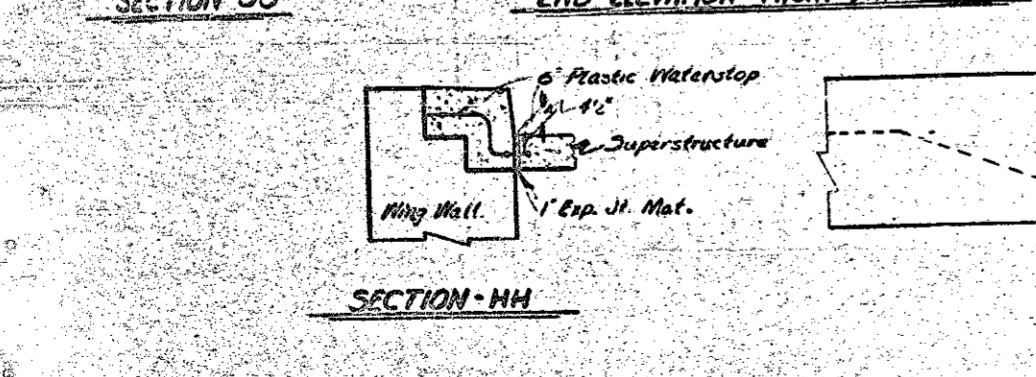
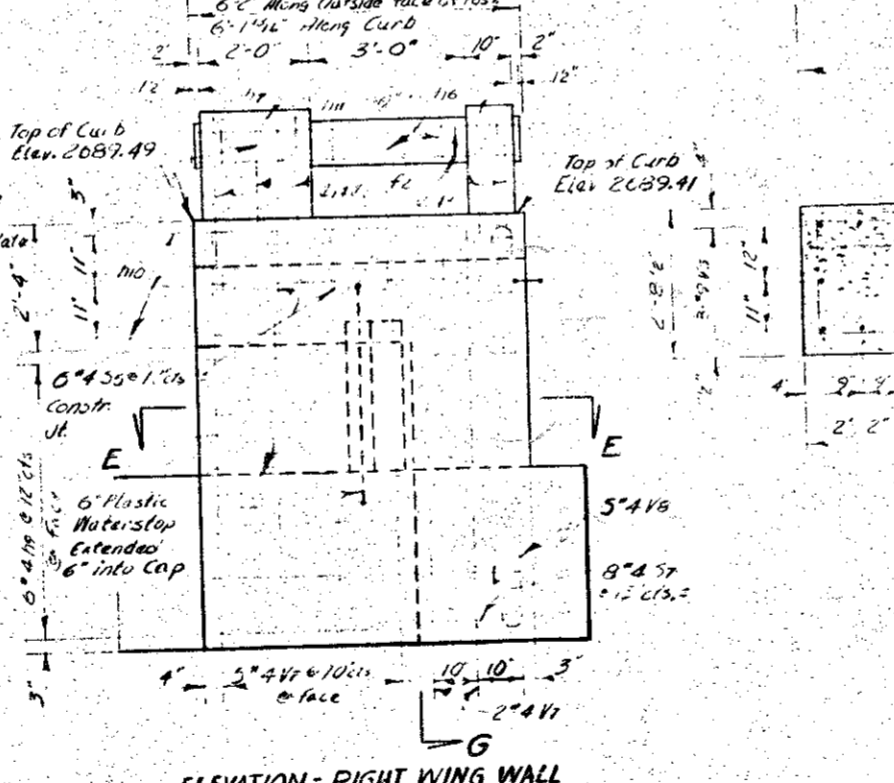
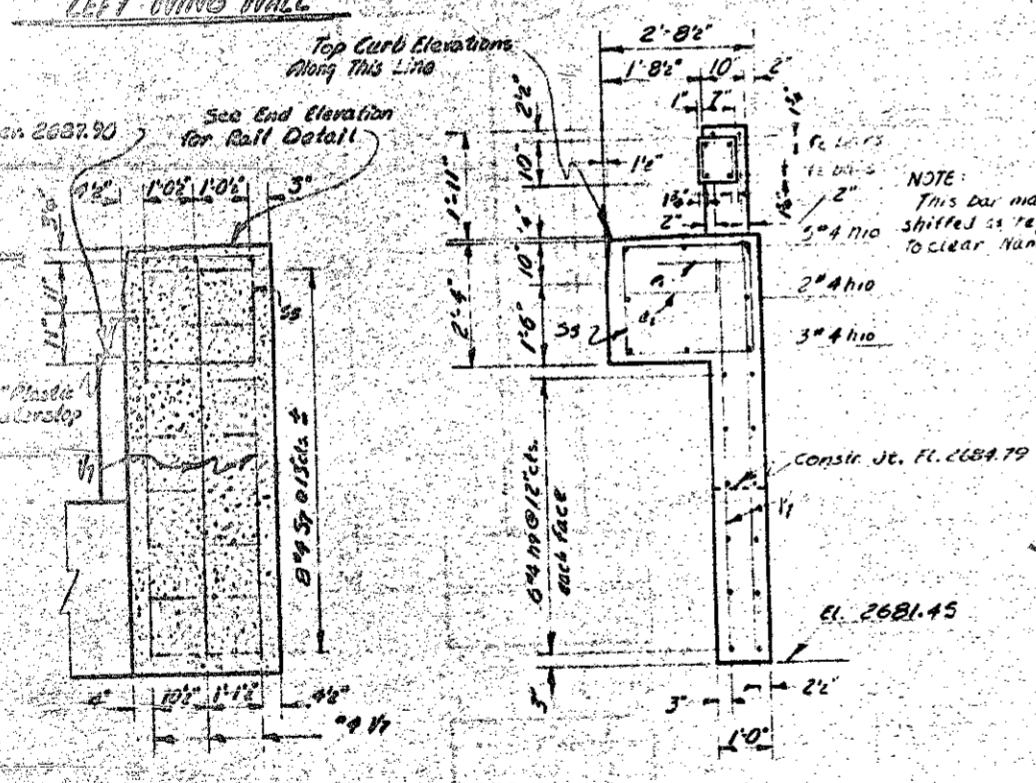
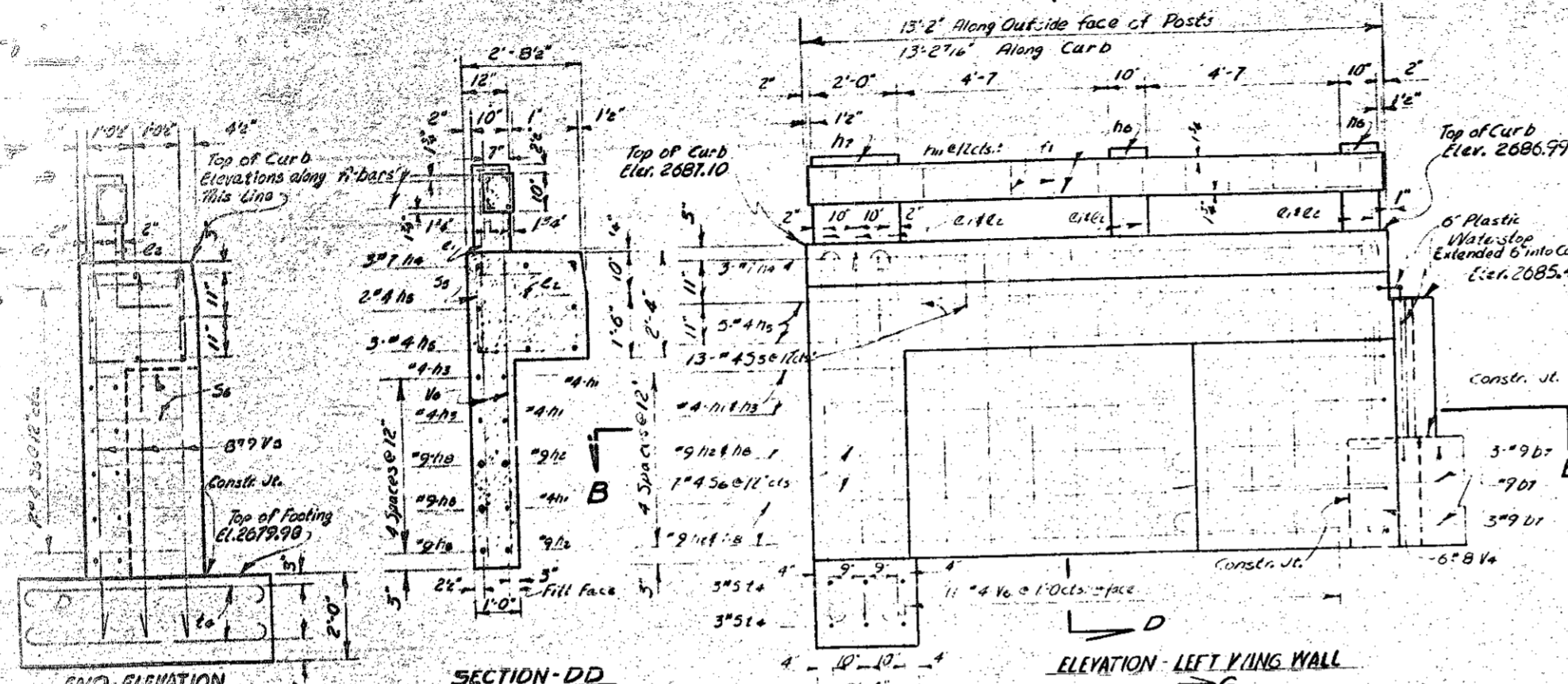
NOTE:
Computed Foundation Load equals 2 1/2 tons per sq. ft.

PROJECT NO. 819430
HAYWOOD COUNTY
STATION: 52+21.80 U
Sheet 1 of 2

STATE OF NORTH CAROLINA
STATE HIGHWAY COMMISSION
SUBSTRUCTURE
END BENT NO 2
SEPTEMBER, 1959

DESIGNED BY: S. D. LARRY
CHECKED BY: S. D. LARRY
DATE: 2-2-1959

S. D. Larry



BILL OF MATERIAL

NO.	QTY	UNIT	REMARKS
B1	4	#11	1 2' x 2'
B2	8	#11	3/4 x 3/4 x 12'
B3	4	#11	1 3/4 x 1/4 x 12'
B4	4	#11	1 2' x 2'
B5	2	#11	1 3/4 x 1/4 x 12'
B6	2	#11	1 3/4 x 1/4 x 12'
B7	7	#9	2 1/2 x 1/2 x 12'
B8	30	#5	2 0' x 0' x 12'
C1	12	#4	5 3' x 3'
C2	12	#4	5 3' x 3'
F1	4	#4	3/4 x 12' x 10'
F2	4	#4	3/4 x 12' x 10'
H1	3	#4	3 15' x 8'
H2	2	#9	4 15' x 10'
H3	2	#4	6 15' x 8'
H4	3	#7	5 10' x 9'
H5	5	#8	3 14' x 8'
H6	3	#3	7 2' x 0'
H7	2	#3	7 5' x 8'
H8	3	#9	4 16' x 8'
H9	12	#4	5 5' x 8'
H10	8	#4	5 7' x 8'
H11	19	#2	7 2' x 4'
S1	72	#4	10 7' x 3'
S2	40	#4	9 2' x 11'
S3	13	#4	10 8' x 7'
S4	15	#4	10 8' x 11'
S5	19	#4	7 9' x 11'
S6	7	#4	7 8' x 3'
S7	8	#4	8 11' x 11'
L1	54	#7	2 8' x 5'
L2	54	#5	2 7' x 11'
L3	132	#5	2 6' x 8'
L4	6	#5	2 6' x 8'
V1	8	#9	1 8' x 9'
V2	16	#9	1 8' x 5'
V3	24	#9	1 7' x 5'
V4	6	#8	2 8' x 8'
V5	8	#9	2 10' x 2'
V6	22	#4	3/4 x 6' x 6'
V7	16	#4	3/4 x 7' x 5'
V8	5	#4	2 8' x 3'
M1	48	#9	1 8' x 9'

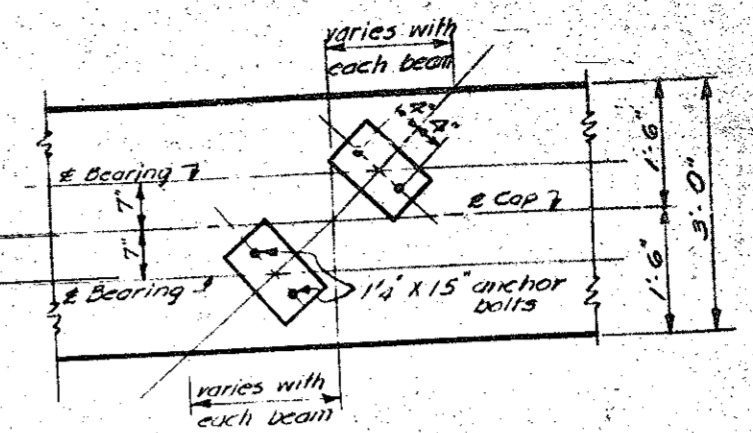
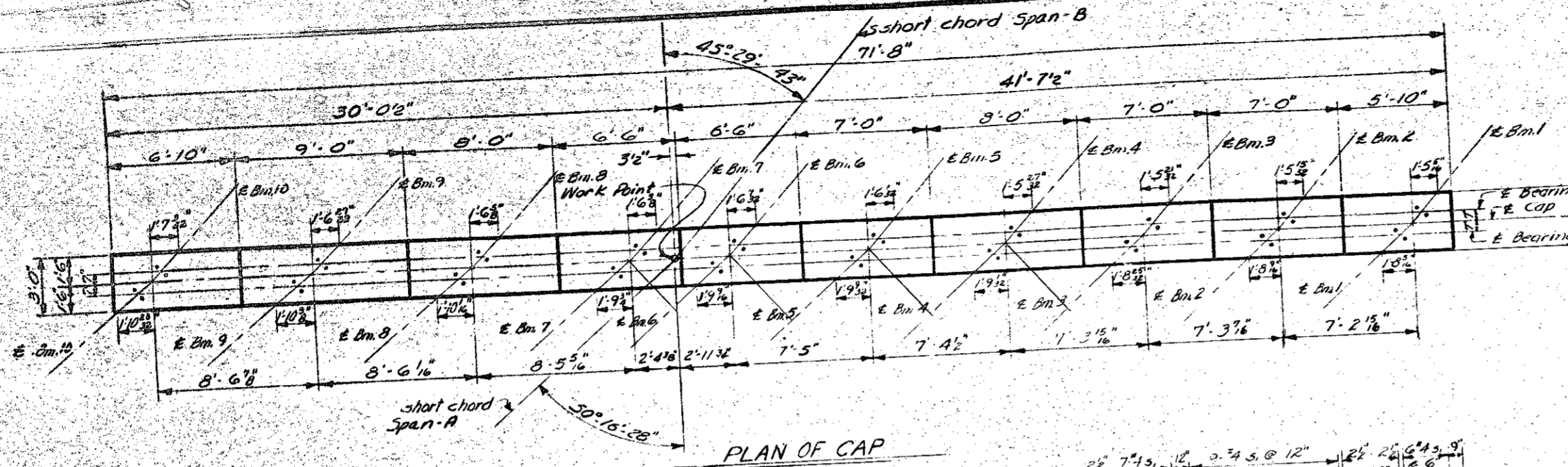
TOTAL BILL OF MATERIAL

Reinforcing Steel	Lbs = 11,600
Class "A" Concrete	Cu. Yds = 59.5
Unclass. Str. Excavation	Cu. Yds. 196.5

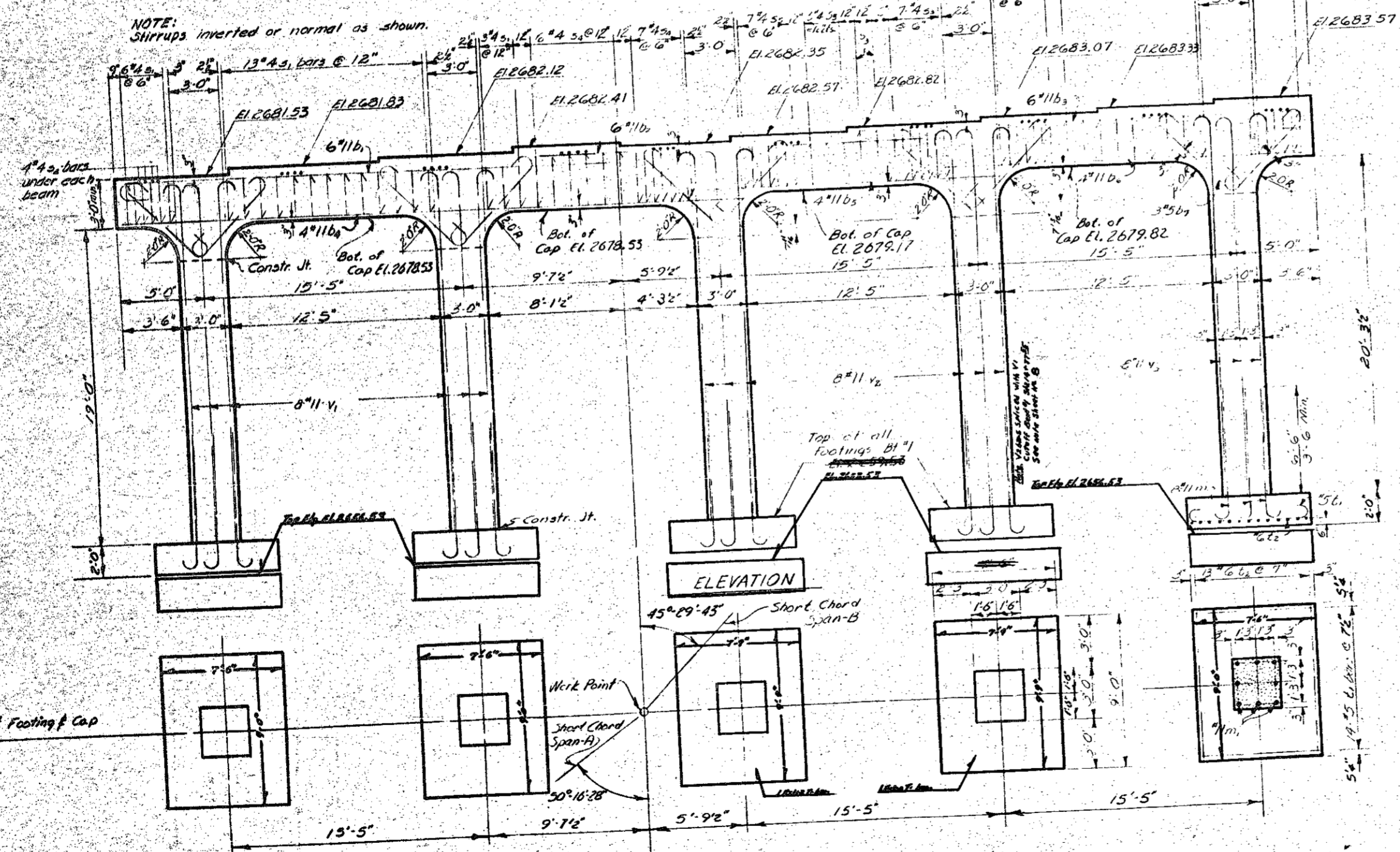
PROJECT NO. 819430
HAYWOOD COUNTY
STATION: 32+21.80 "
Sheet 2 of 2

STATE OF NORTH CAROLINA
STATE HIGHWAY COMMISSION
 SUBSTRUCTURE
END BENT NO. 1
WING DETAIL
 SEPTEMBER, 1959

DESIGNED BY P. R. Bilgwater
 DRAWN BY J. W. Smith
 CHECKED BY J. W. Smith
 DATE Sept. 59
 DATE Oct. 1959



NOTE: Shrivels inverted or normal as shown.



BAR TYPES
(All dimensions out to out)

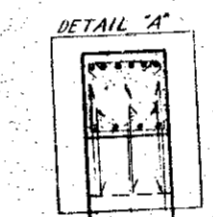
HK	Length	HK	Notes
7"	5'-0"	7"	bt
7"	7'-0"	7"	ti
8"	8'-0"	8"	te

BILL OF MATERIAL

BAR NO	SIZE	TYPE	LENGTH	WEIGHT	
b ₁	6"	#11	2	31'-5"	1000
b ₂	6"	#11	2	21'-0"	660
b ₃	6"	#11	2	28'-11"	920
b ₄	4"	#11	str.	37'-4"	1230
b ₅	4"	#11	str.	18'-11"	600
b ₆	4"	#11	str.	21'-11"	680
b ₇	30"	#5	1	6'-2"	120
m	40"	#11	2	9'-6"	2010
s ₁	44"	#4	3	8'-9"	250
s ₂	40"	#4	4	3'-5"	90
s ₃	9"	#4	3	10'-1"	60
s ₄	19"	#4	3	10'-5"	90
s ₅	10"	#4	3	9'-1"	60
t ₁	23"	#5	1	8'-2"	180
t ₂	63"	#6	1	9'-10"	860
v	16"	#11	2	23'-0"	1950
v ₁	16"	#11	2	23'-8"	2010
v ₂	8"	#11	2	14'-4"	1050

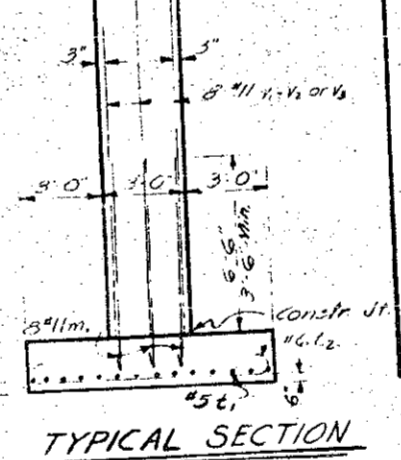
Reinforcing Steel lbs. 18,600
Class "A" Concrete cu. Yds. 65
Uncl. Str. Excavation cu. Yds. 10

Computed foundation load equals 2 1/2 ton per sq. ft.

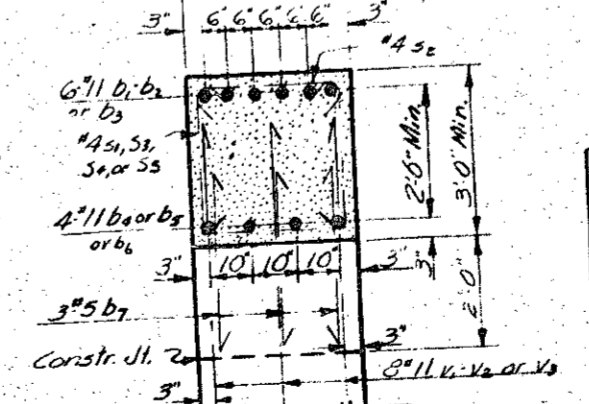


DETAIL 'A'

HK	Length	HK	Notes
7'-11"	1'-7"	m	
21'-5"	1'-7"	v	
22'-1"	1'-7"	v ₂	
22'-9"	1'-7"	v ₃	
29'-10"	1'-7"	b ₁	
27'-4"	1'-7"	b ₂	



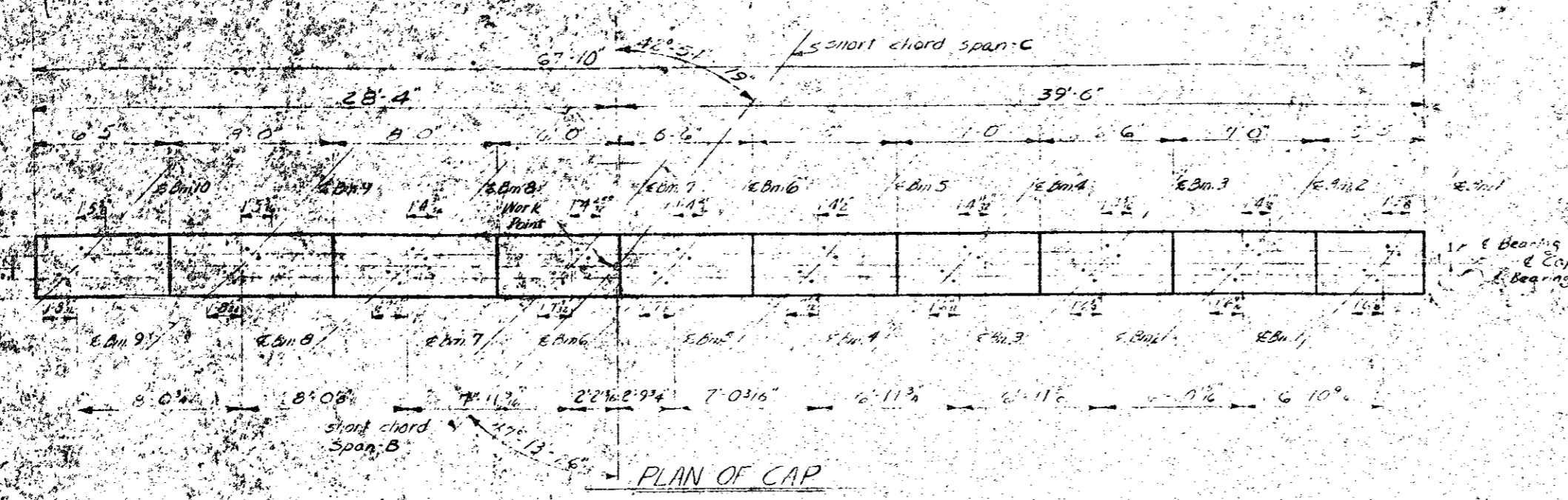
NOTE: 1/2 bars in top of cap may be shifted 1" to clear anchor bolts.



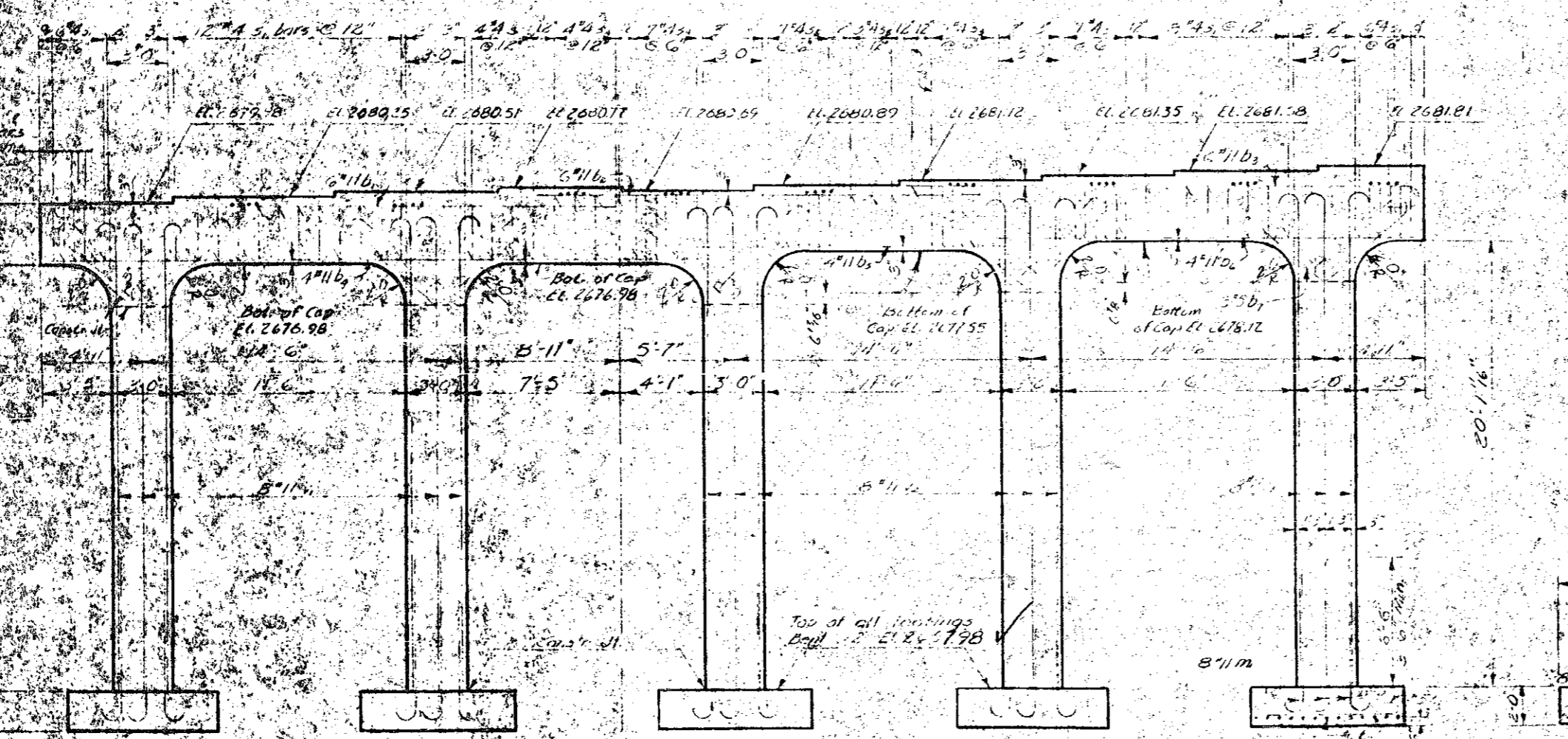
PROJECT NO. 8.19430
HAYWOOD COUNTY
STATION: 32+21.0 "L"

STATE OF NORTH CAROLINA
STATE HIGHWAY COMMISSION
SUBSTRUCTURE
BENT No 1
AUGUST, 1959

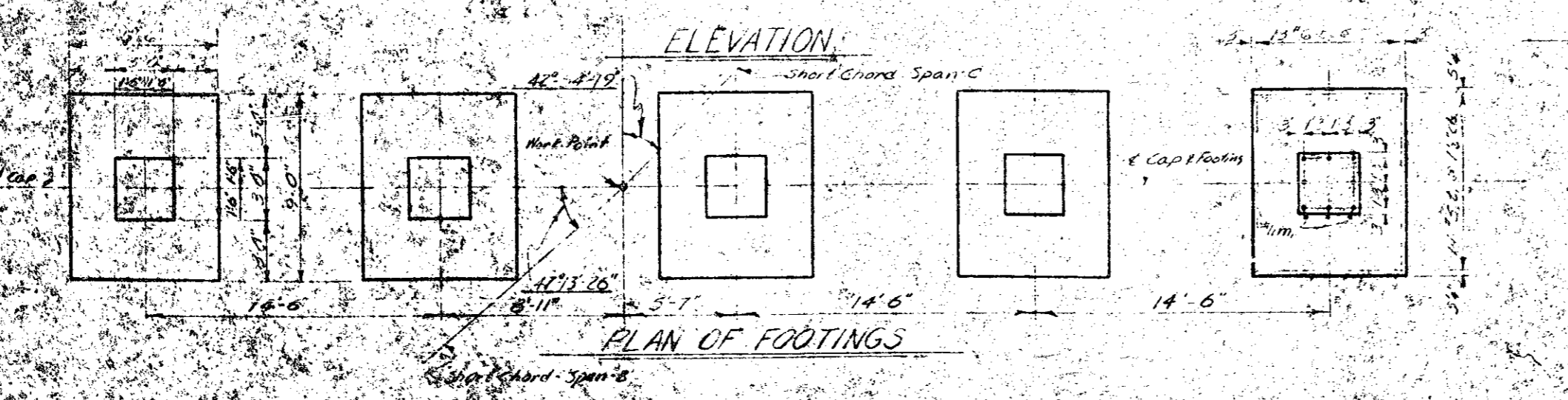
DESIGNED BY ERIC E. SMART DATE Aug. 1959
DRAWN BY TRACY DATE
CHECKED BY R. W. M. DATE Oct. 1959



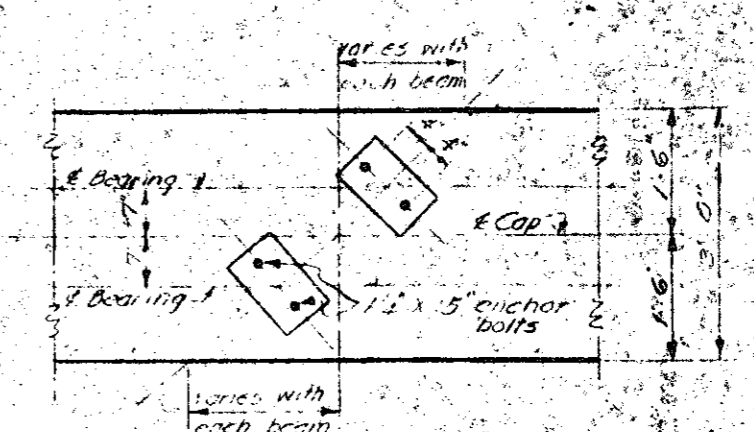
Note: Stipples, hatched or normal as shown



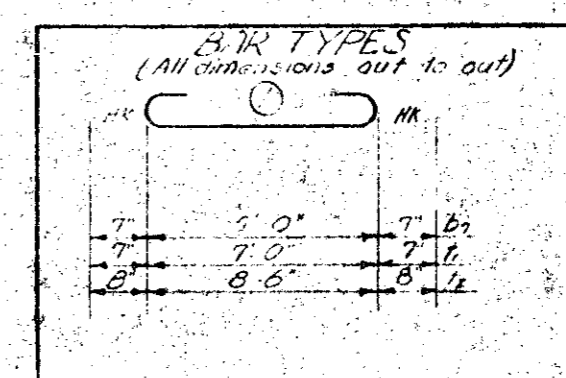
ELEVATION



PLAN OF FOOTINGS



DETAIL SHOWING ANCHORAGE

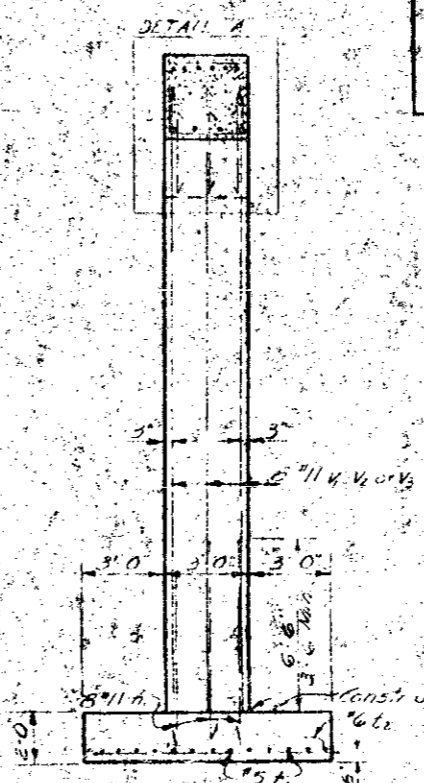


BILL OF MATERIAL

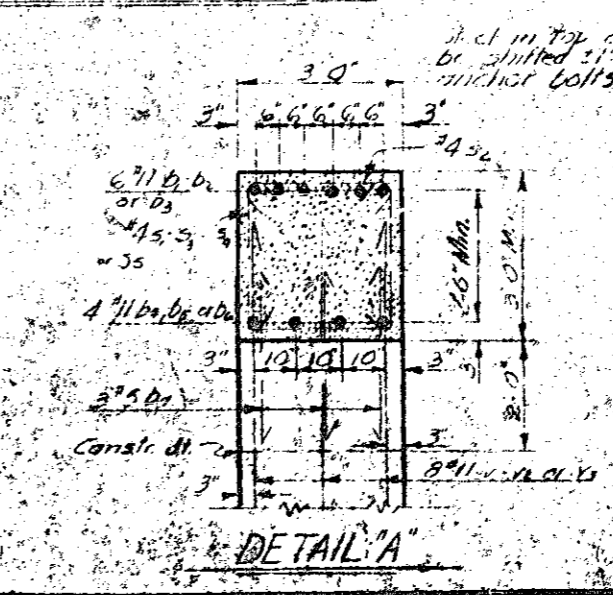
BAR	NO	SIZE	TYPE	LENGTH	WEIGHT
B1	6	#11	2	28'-9"	956
B2	6	#11	5	20'-9"	555
B3	6	#11	2	27'-0"	861
B4	4	#11	5	15'-5"	753
B5	4	#11	5	18'-0"	503
B6	4	#11	5	21'-0"	446
B7	20	#5	1	6'-2"	702
M1	40	#11	2	9'-6"	2019
S1	43	#4	3	8'-9"	251
S2	40	#4	4	13'-5"	91
S3	8	#4	5	9'-10"	53
S4	11	#4	3	10'-2"	70
S5	10	#4	5	19'-0"	160
L	70	#5	1	8'-2"	58
S6	65	#6	1	9'-10"	200
F1	16	#11	2	23'-0"	105
F2	16	#11	2	23'-0"	105
F3	2	#11	2	24'-0"	105

Reinforcing Steel 165 13,551
 Class 'A' Concrete C-105 100
 (Includes 5th Excavation 100
 C-105)

Computed foundation load equals 42,000 per sq ft.



TYPICAL SECTION

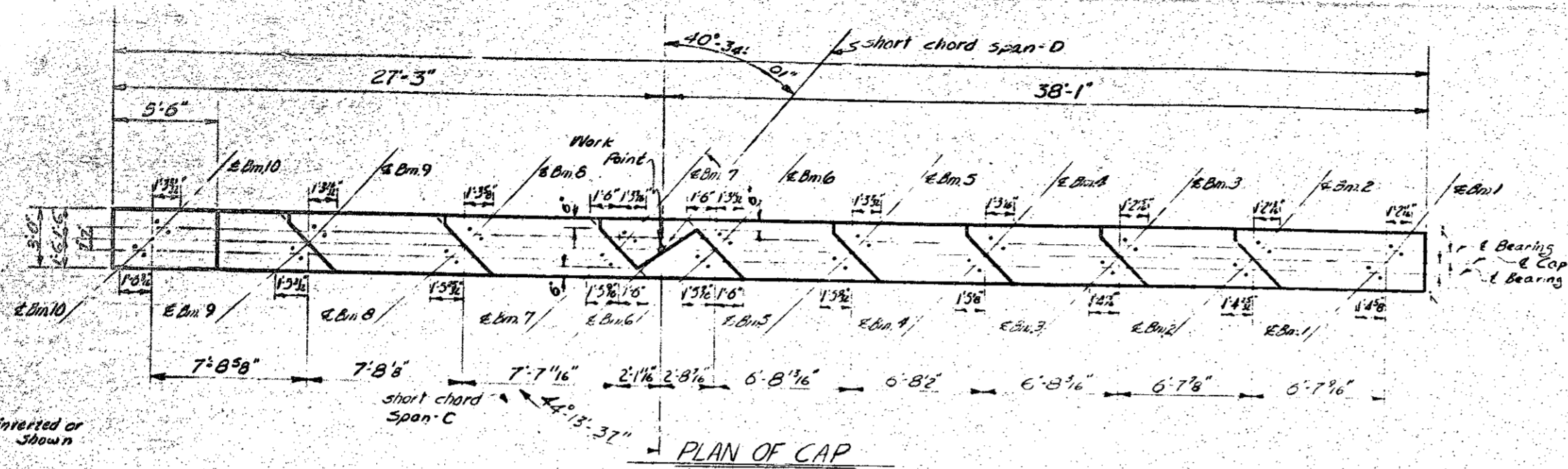


DETAIL 'A'

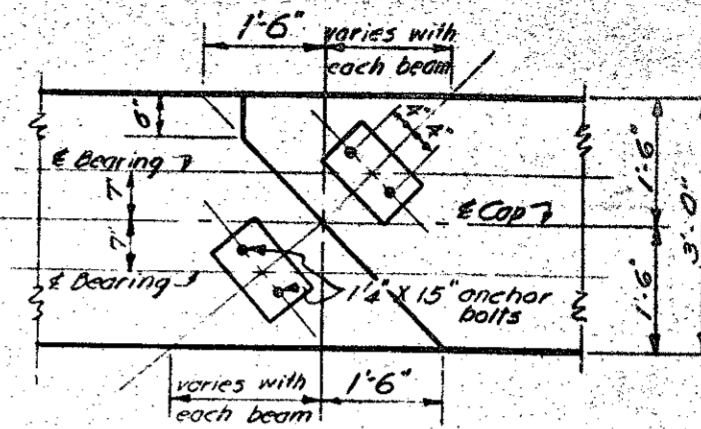
PROJECT NO. 819430
 HAYWOOD COUNTY
 STATION: 32+21.871

STATE OF NORTH CAROLINA
 STATE HIGHWAY COMMISSION
 SUBSTRUCTURE
 BENT No. 2
 SEPTEMBER, 1959

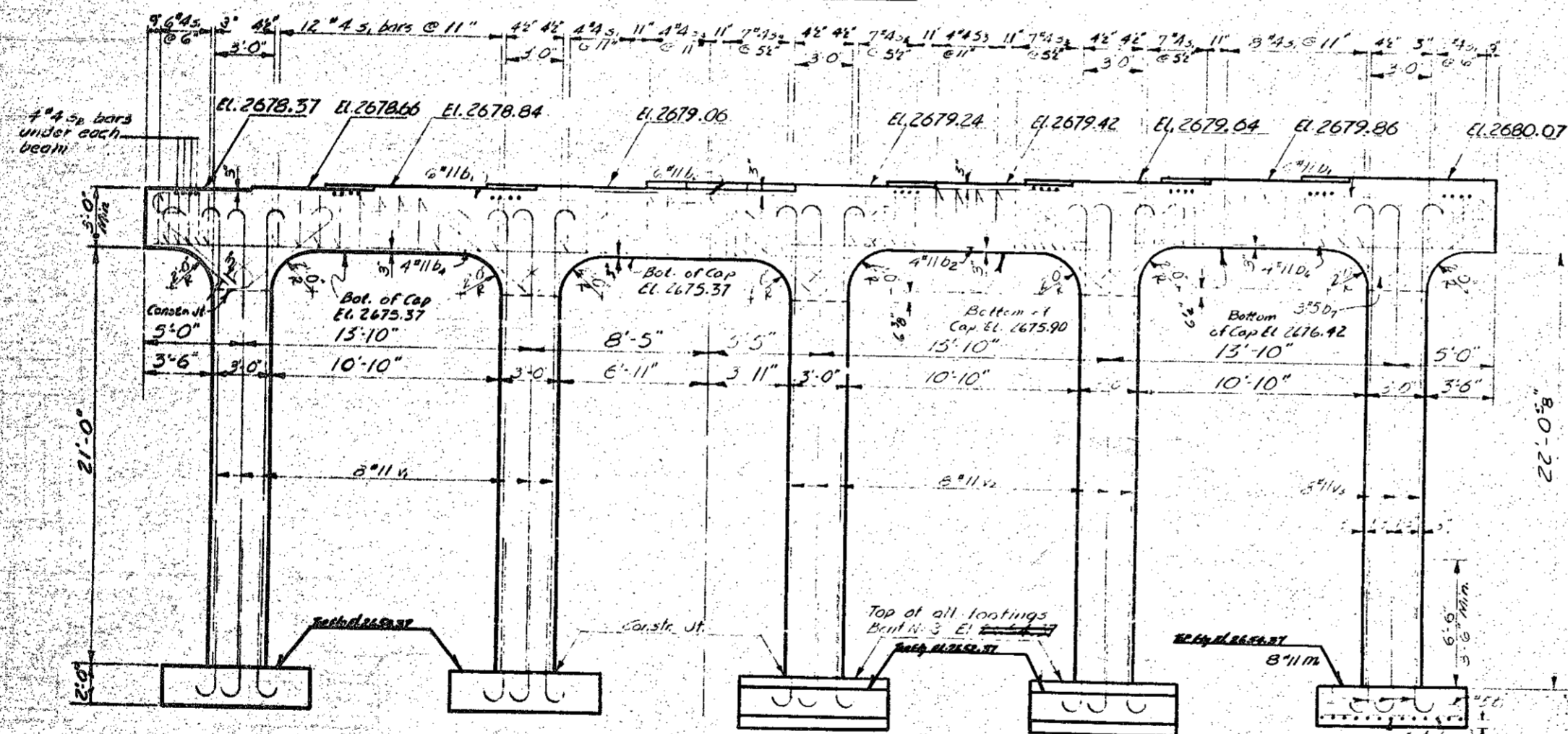
DESIGNED BY: J.C. [unclear]
 DRAWN BY: J.C. [unclear]
 CHECKED BY: J.C. [unclear]
 DATE: Sept. 1959



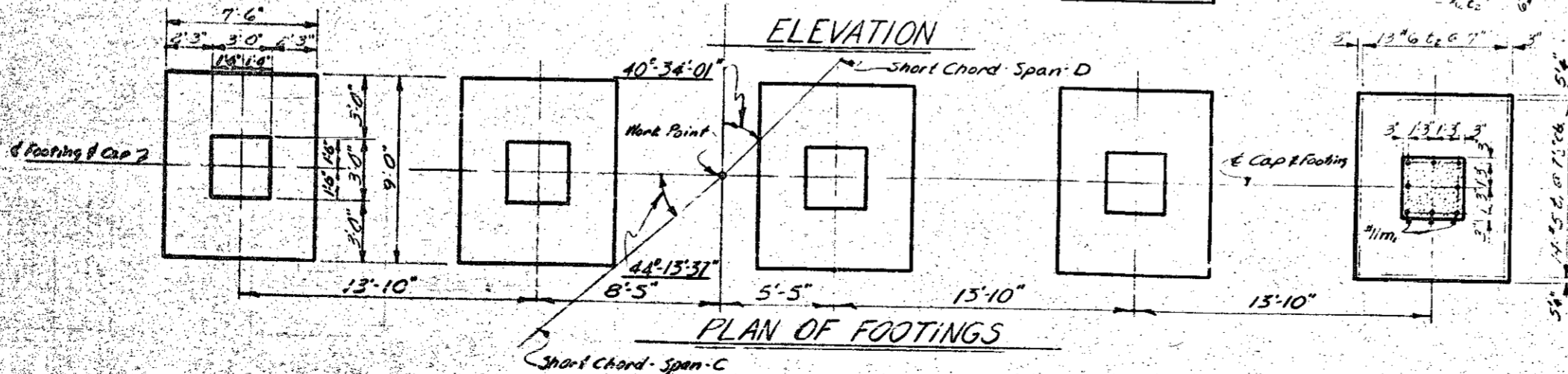
Notes: Stirrups inverted or normal as shown



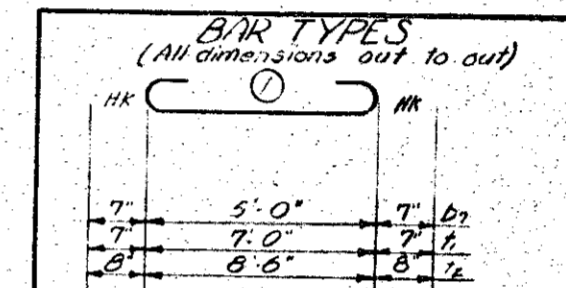
DETAIL SHOWING ANCHORAGE



ELEVATION



PLAN OF FOOTINGS

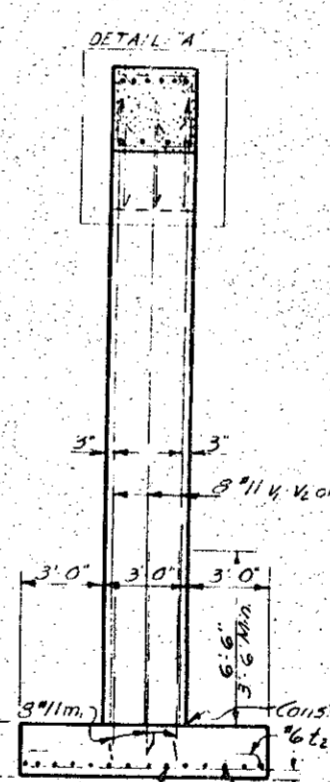


BILL OF MATERIAL

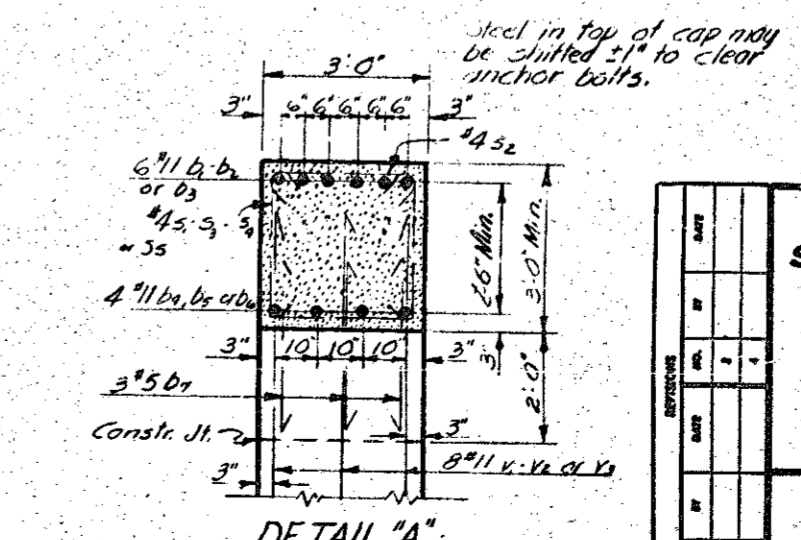
BAR	NO	SIZE	TYPE	LENGTH	WEIGHT
b1	12	#1	2	26'-10"	1830
b2	10	#1	Str.	17'-4"	921
b3	4	#1	str.	34'-0"	723
b4	4	#11	str.	20'-8"	439
b5	30	#5	1	6'-2"	193
m1	10	#11	2	9'-6"	2019
s1	83	#8	3	8'-9"	251
s2	10	#8	4	3'-5"	91
s3	11	#8	3	9'-10"	72
s4	11	#8	3	10'-1"	76
s5	7	#8	3	9'-1"	42
l1	70	#5	1	8'-2"	596
l2	65	#6	1	9'-10"	640
v1	16	#11	2	25'-1"	2132
v2	16	#11	2	25'-1"	2203
v3	8	#11	2	26'-9"	1137

Reinforcing Steel lbs 13691
Class A Concrete Cu.Yds. 122
Unclass. Str. Excavation Cu.Yds. 122

Computed foundation load equals 22 ton per sq. ft.



TYPICAL SECTION



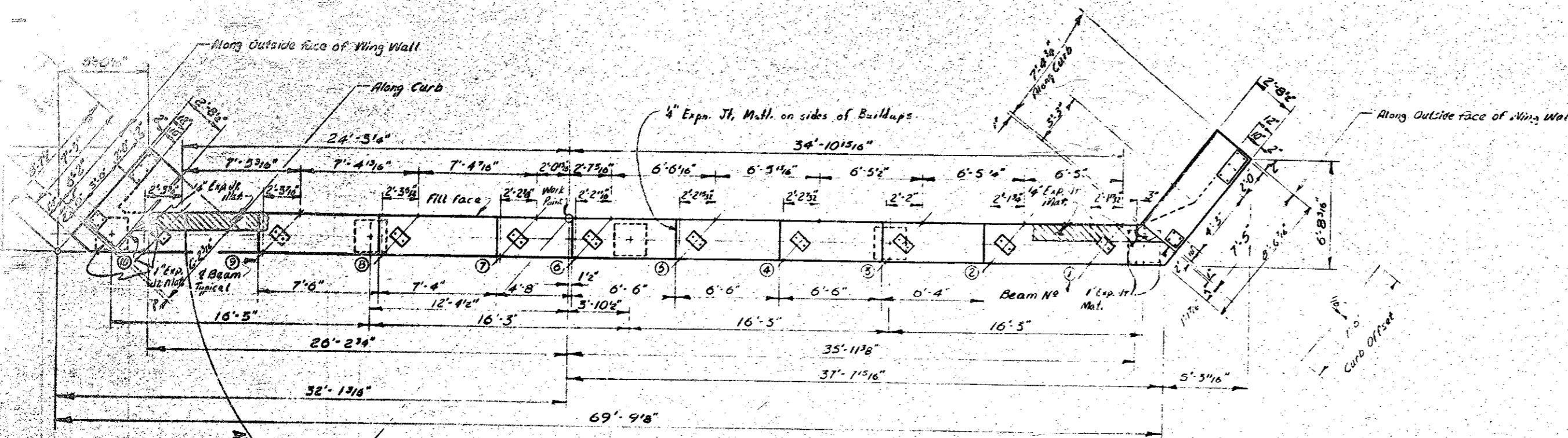
DETAIL 'A'

PROJECT NO. 8,19430
HAYWOOD COUNTY
STATION: 32+21.8"11"

STATE OF NORTH CAROLINA
STATE HIGHWAY COMMISSION
SUBSTRUCTURE
BENT NO. 3
SEPTEMBER, 1959

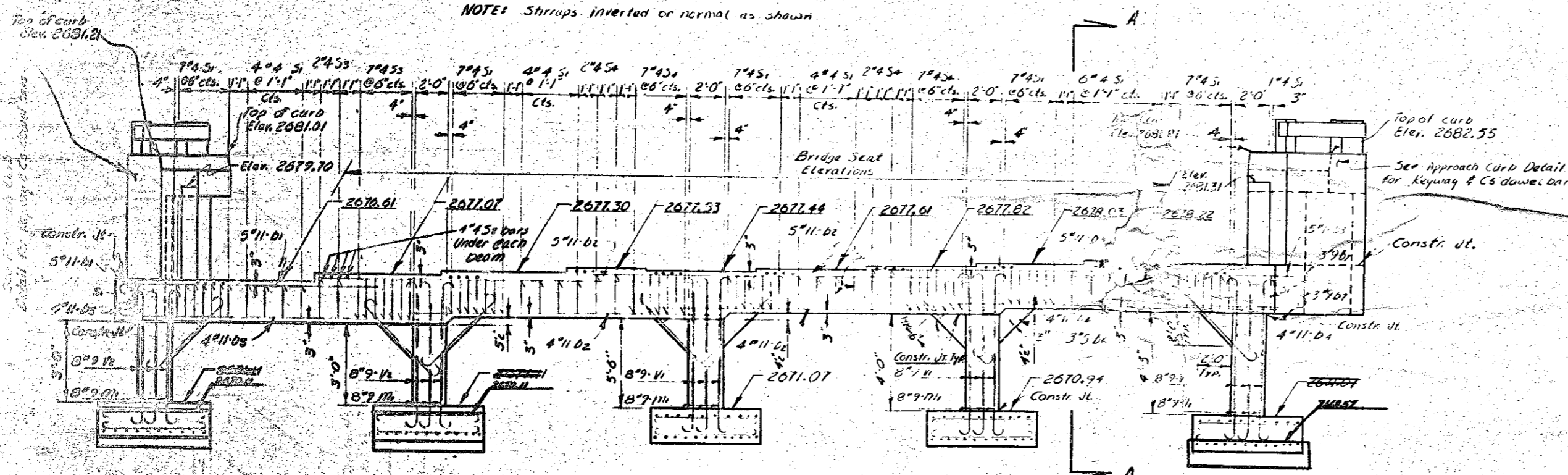
DESIGNED BY ERIC P. SHURT
CHECKED BY R. J. [unclear]
DATE Sept. 1959
DATE Oct. 1959

S. B. Urry
D. Urry

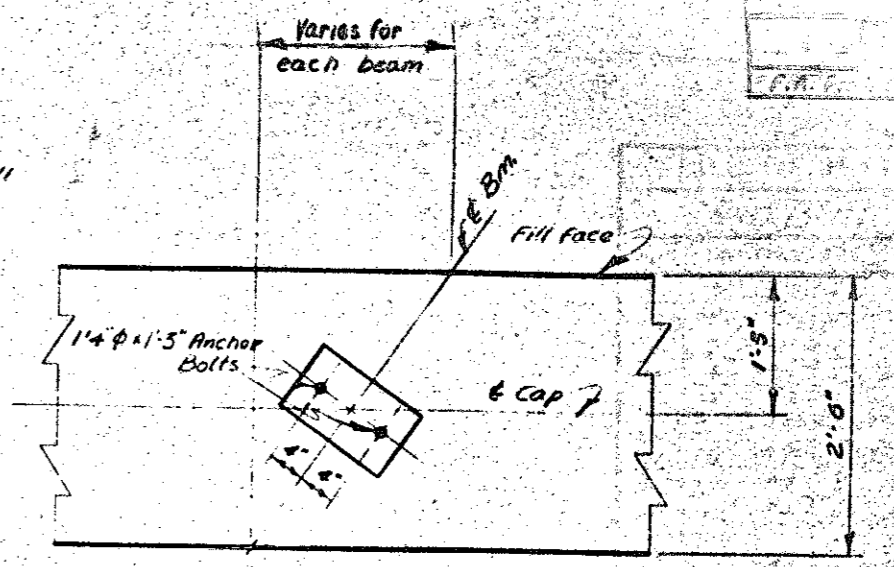


PLAN OF CAP- END BENT No 2

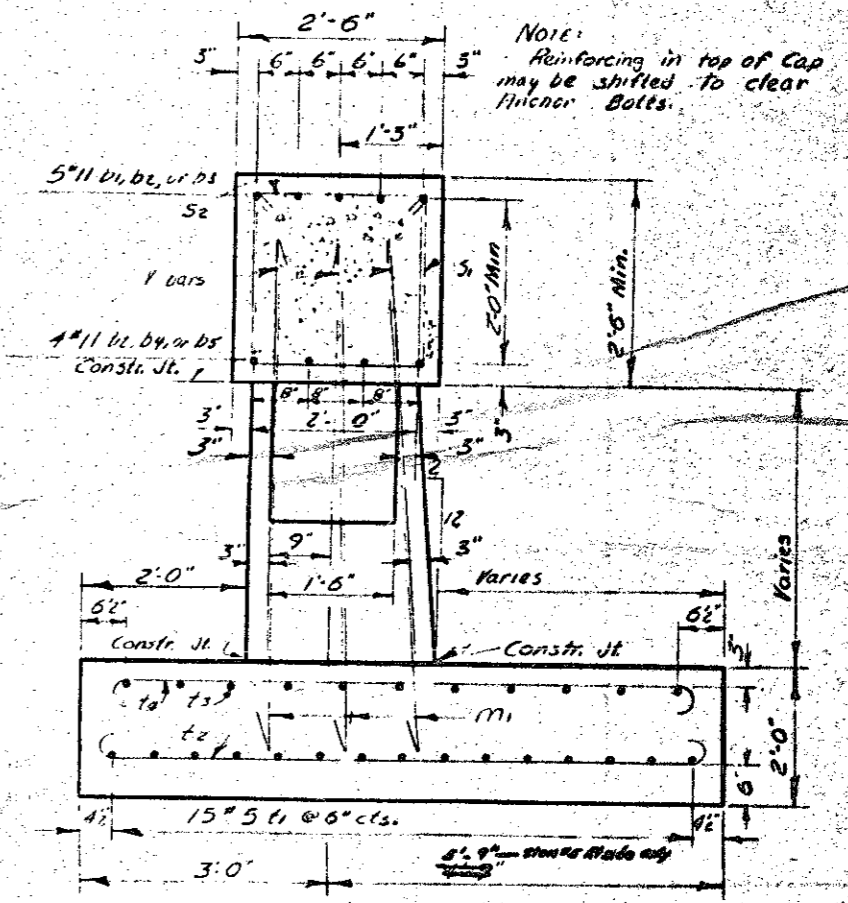
NOTE: Shrips, inverted or normal as shown



ELEVATION-END BENT No 2

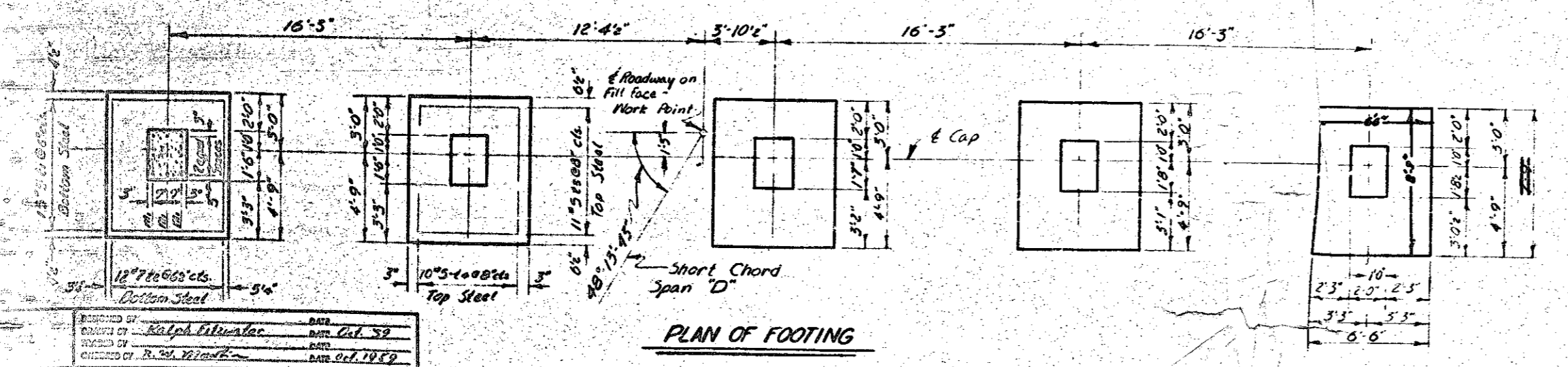


DETAIL SHOWING ANCHORAGE



SECTION AA

NOTE: Computed Foundation load equals 2 1/2 tons per sq. ft.



PLAN OF FOOTING

DESIGNED BY	DATE
DRAWN BY	DATE
CHECKED BY	DATE
APPROVED BY	DATE

PROJECT NO. 8.19430
 HAYWOOD COUNTY
 STATION 32+21.80 LL
 Sheet 1 of 2

STATE OF NORTH CAROLINA	
STATE HIGHWAY COMMISSION	
SUBSTRUCTURE	
END BENT No 2	
OCTOBER, 1959	