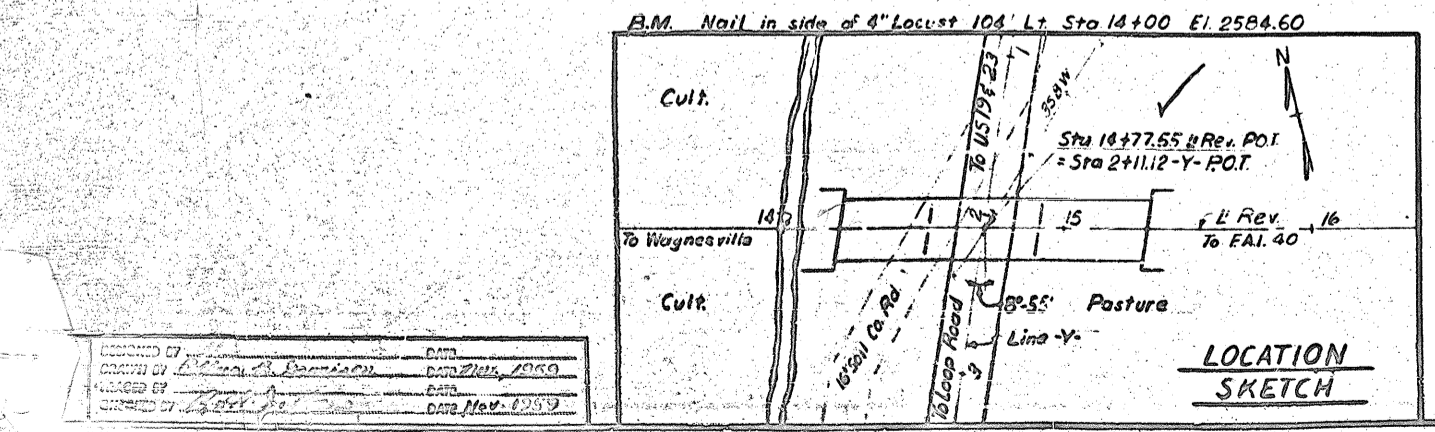
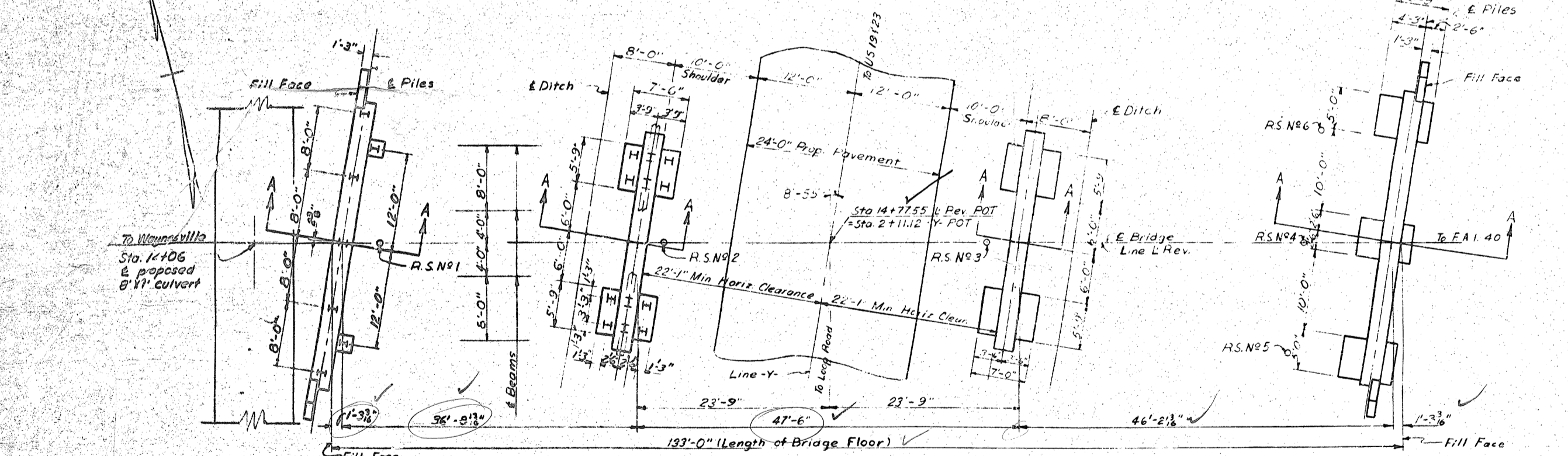
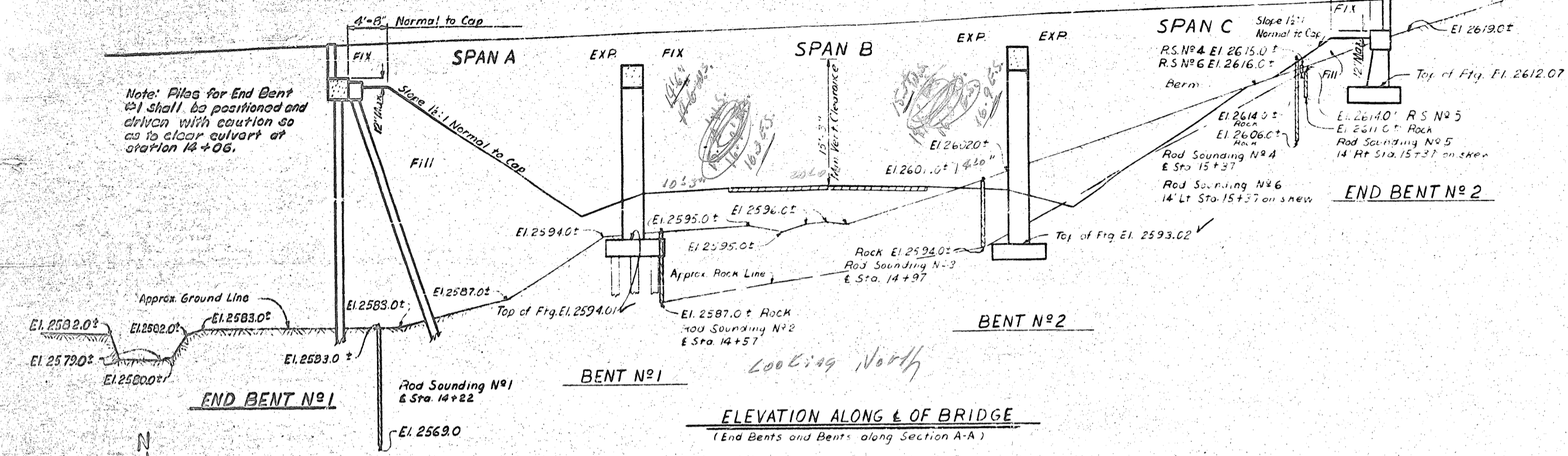


PI. Sta 12+50  
 El. 2601.66  
 850 V.C.  
 -5.96% +6.7%

Note: I hereby certify that this bridge was built according to plan except as noted hereon.

**NOTES**

- Assumed Live Load = H 20 - S16(44) or Alternate
- For other design data and general note see sheet 511
- Computed foundation load for Bent No 2 equals 3 1/2 tons per square foot.
- No test piles are required. Order lengths shall be 50 feet for End Bent No 1, and 25' long for Bent No 2
- Piles for End Bent No 1 to be driven to a minimum bearing capacity of 26 tons each.
- Piles for End Bent No 1 to be driven through the roadway fill.
- Piles for Bent No 1 to be driven to a minimum bearing capacity of 25 tons each.
- Work is not to be started on this bridge until after the roadway section has been graded by the roadway contractor.
- Unclassified structure excavation for Bents No 1 & 2 and End Bent No 2 to be measured from graded roadway surface.
- Traffic to be maintained on existing County Road see Spec. Prov.



**TOTAL BILL OF MATERIAL**

	Class A Concrete	Reinforcing Steel	Structural Steel	12 BP 53 Steel Piles	Unclass. Str. Excav.
	Cu. Yds	Lbs	Approx. Lbs	No. Lin Ft.	Cu. Yds
Superstructure	133.4	30,782	91,500		
End Bent No 1	11.8	2145		7	2336.20
Bent No 1	24.6	5575		12	413.00
Bent No 2	21.3	3475		12	20.00
End Bent No 2	21.3	3475		12	20.00
Approach Curbs	3.2	76			
<b>Totals</b>	<b>223.00</b>	<b>47,072</b>	<b>91,500</b>	<b>630</b>	<b>183.99</b>

UN03-94-10

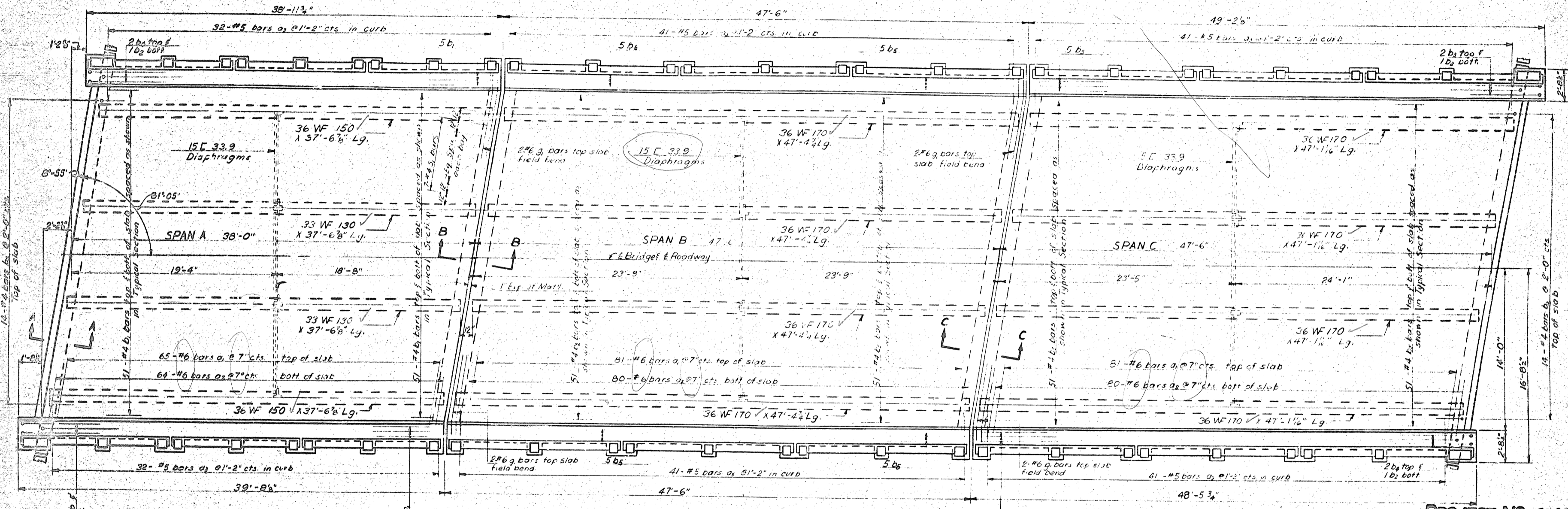
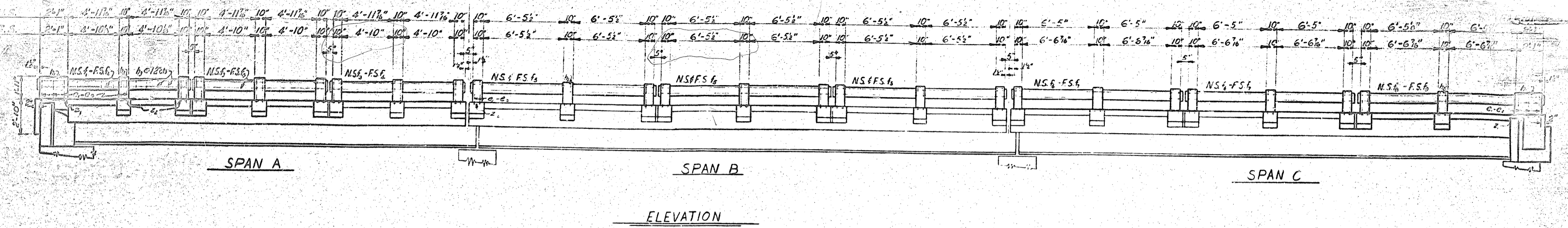
**PROJECT NO. 819430**  
**HAYWOOD COUNTY**  
 13+77.55 L REV  
**STATION: 2+11.12 -Y-**

SECOND OVER BRIDGE  
 INSPECTION 1981-1982  
 B.G.

STATE OF NORTH CAROLINA  
**STATE HIGHWAY COMMISSION**  
 GENERAL DRAWING FOR BRIDGE  
 OVER COUNTY ROAD ON CORN TO  
 FAI.40 BETWEEN WAYNESVILLE  
 AND FAI.40  
 NOVEMBER 1959

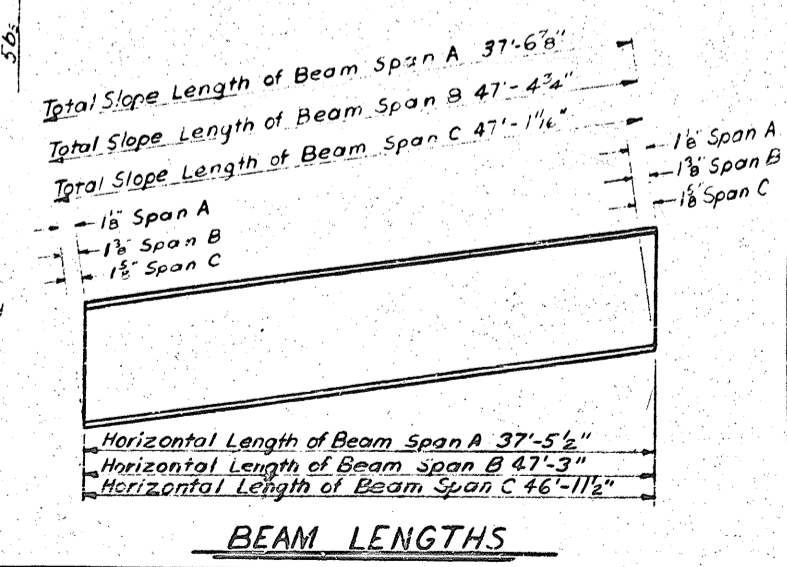
DESIGNED BY: *[Signature]*  
 CHECKED BY: *[Signature]*

Rev. #1 Revised for footing Piles in Bent No.1 1/24/59



**LOCATION OF BEARING PLATES AND FILL PLATES**

	EB 1	Bt 1			Bt 2			EB 2
EBm 1	P, P	P, P	P, P	P, P	P, P	P, P	P, P	
EBm 2	P, P, P	P, P, P	P, P, P	P, P	P, P, P	P, P	P, P	
EBm 3	P, P	P, P, P, P	P, P, P, P	P, P	P, P, P, P	P, P	P, P	
EBm 4	P, P	SPAN A		SPAN B		SPAN C		



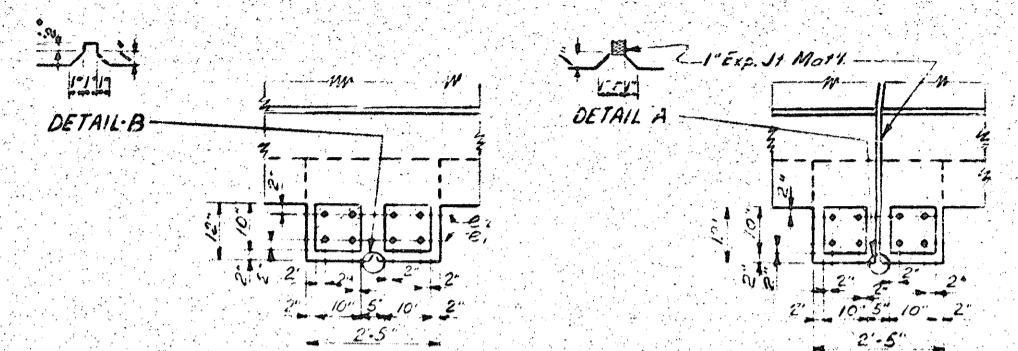
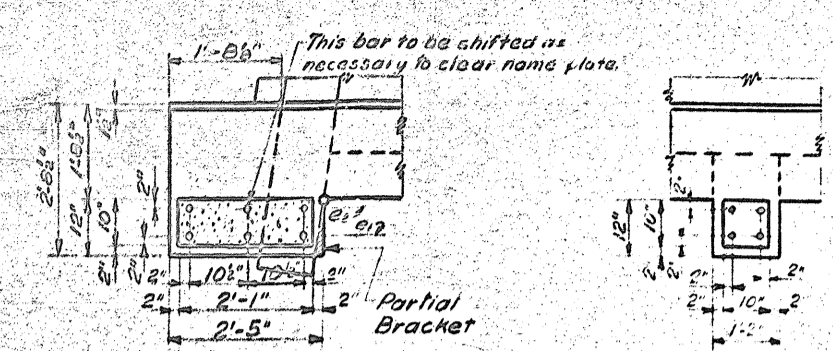
Note: For other structural steel details, see sheet No. S-5

**PROJECT NO. 819130**  
**HAYWOOD COUNTY**  
 14+77.55" L. REV  
**STATION: 2+111.2-Y**  
**SHEET 1 OF 2**

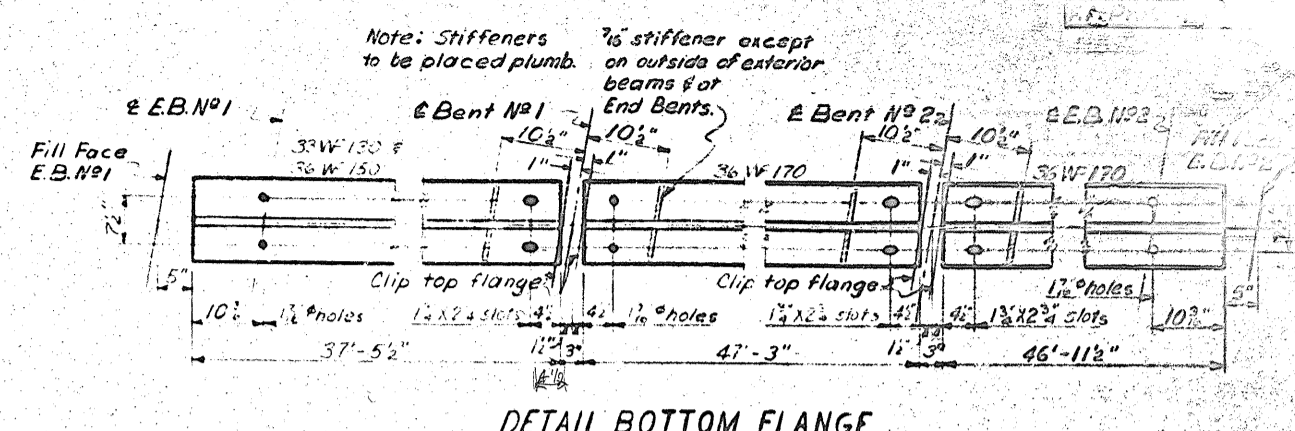
STATE OF NORTH CAROLINA  
**STATE HIGHWAY COMMISSION**  
**I-BEAM SUPERSTRUCTURE WITH R.C. FLOOR & RAIL**  
**28' ROADWAY B-55' L.M. SKEN**  
 NOVEMBER 1959

DESIGNED BY *William J. Brannon* DATE *Nov 1959*  
 CHECKED BY *Rufus J. Wells* DATE *Nov 1959*

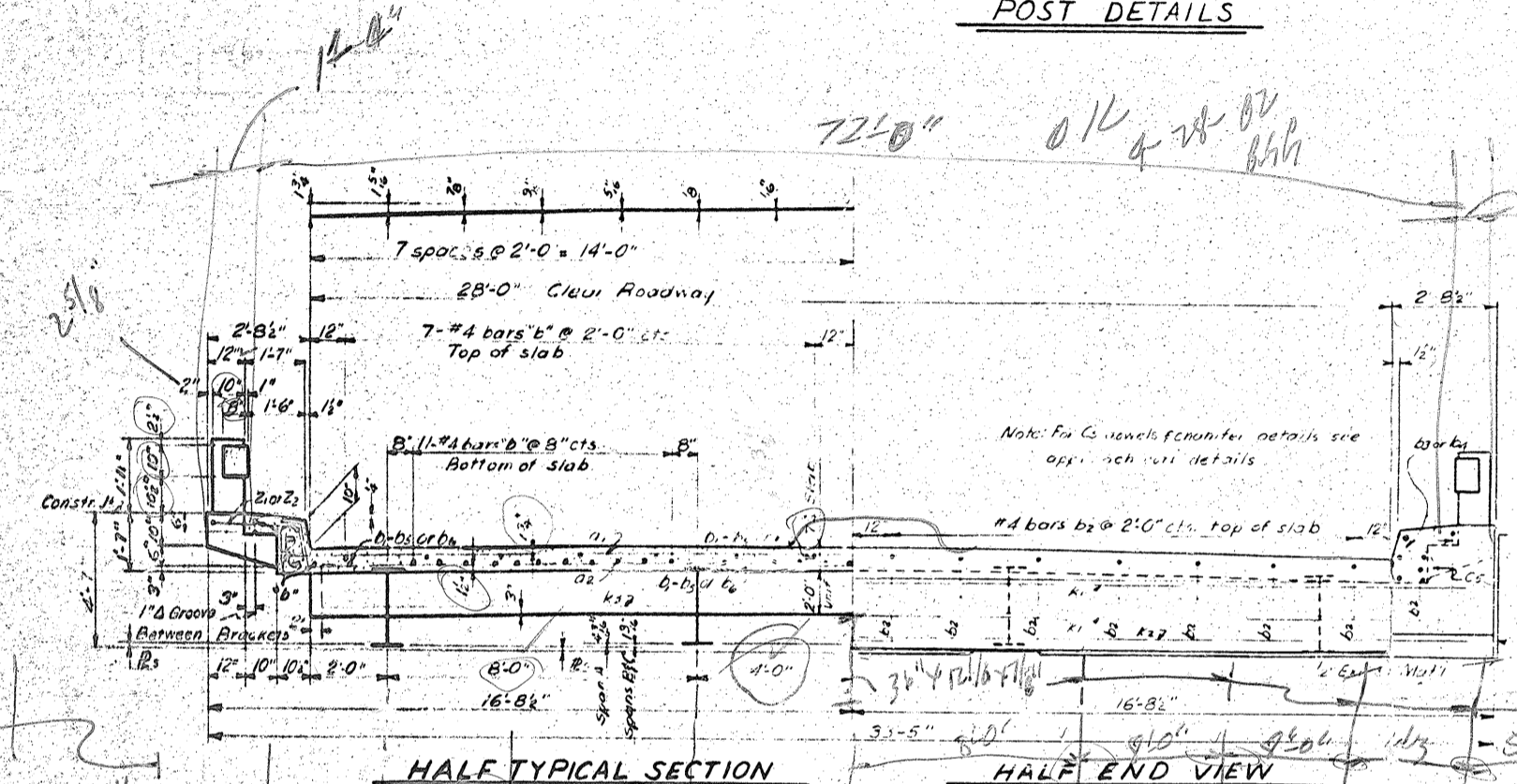
S.B. Lory  
 S.P. Lacey



POST DETAILS

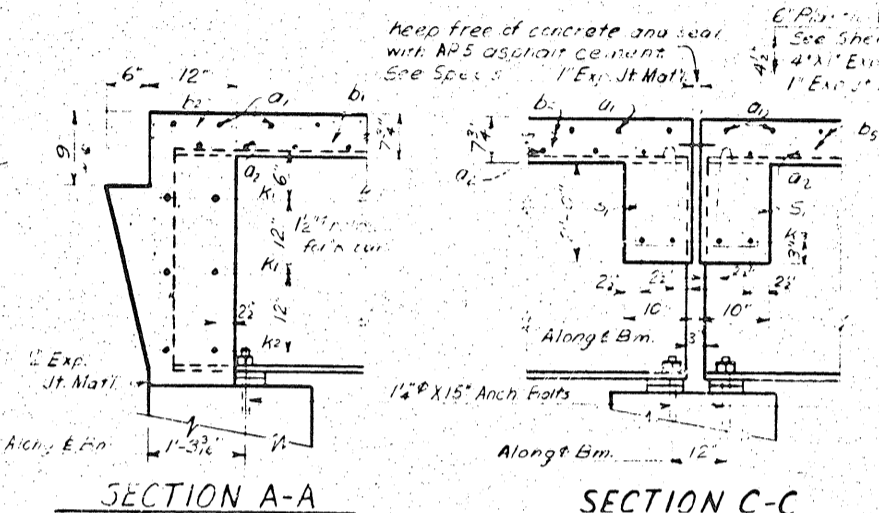


DETAIL BOTTOM FLANGE  
All dimensions are horizontal.



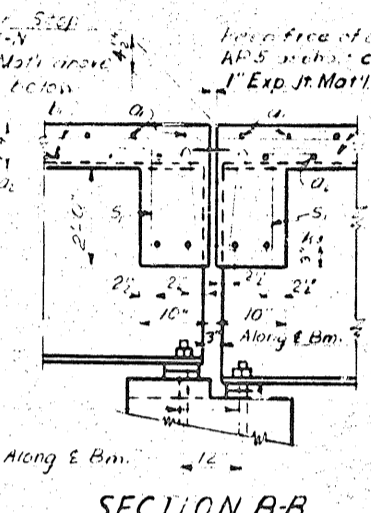
HALF TYPICAL SECTION

HALF END VIEW

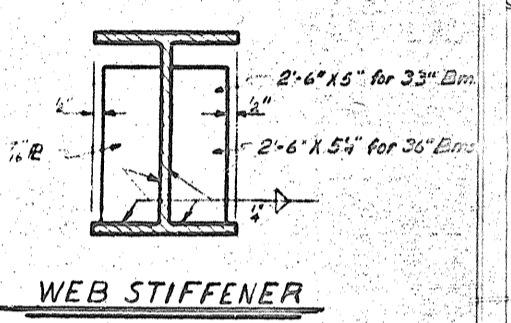


SECTION A-A

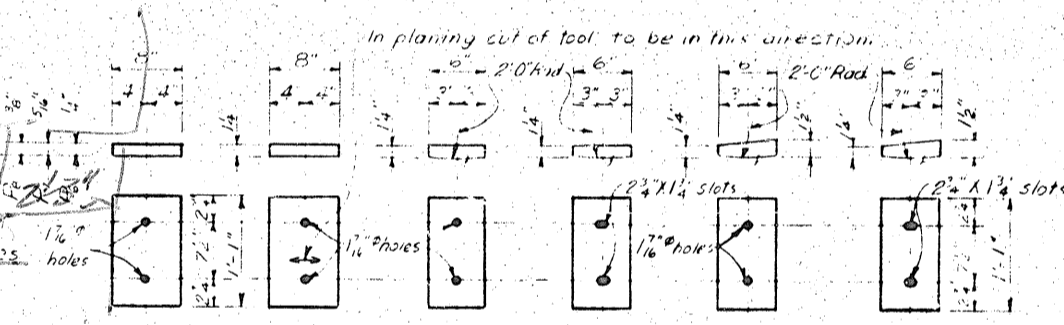
SECTION C-C



SECTION B-B



WEB STIFFENER



BEARING PLATE & FILL PLATE DETAILS

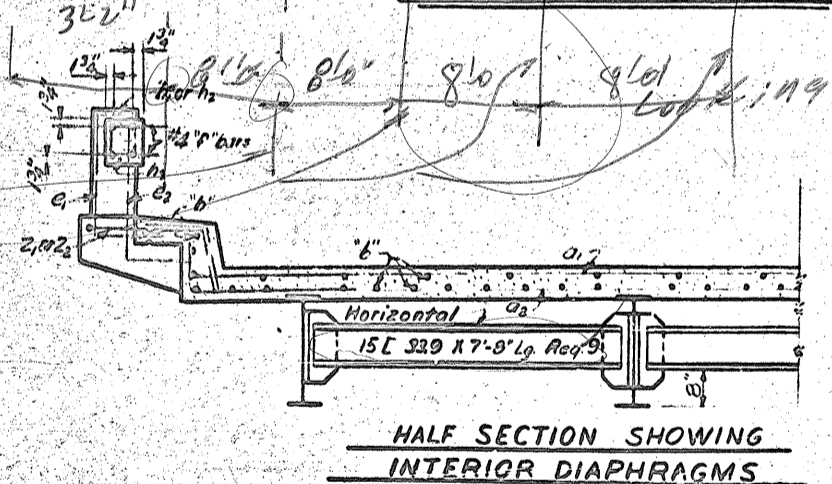
Note: See sheet 5-4 for location of plates.  
Note: At the contractor's option, fill plates may be combined with masonry plates.

NOTES:  
For "Design Data" and "General Note" - see sheet 5-N.

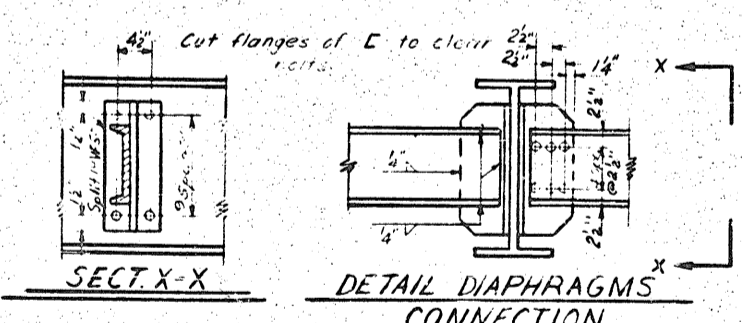
Beam Deflections:

	SPAN A	SPAN B	SPAN C
	Int.	Ext.	Int.
Defl. due to wt of Beam	0"	0"	1/16"
Defl. due to superimposed DL	1/4"	1/4"	3/16"
Total Dead Load Defl.	1/4"	1/4"	1/16"
Vertical Curve Ordinate*	-7/16"	-7/16"	-5/16"

\* Note: Minus sign shown with the V.C. ordinates indicates that the curve is below a chord through the station of the bearing.

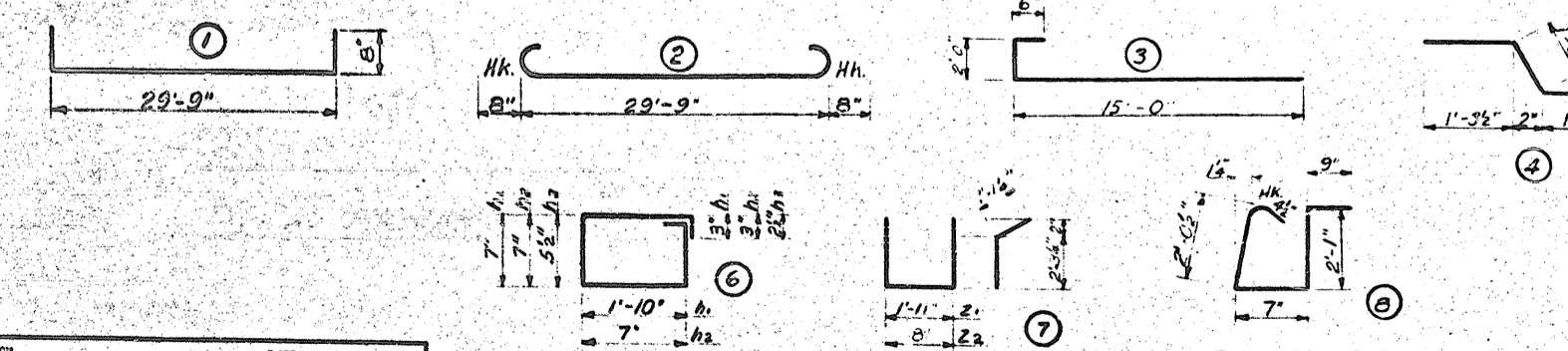


HALF SECTION SHOWING INTERIOR DIAPHRAGMS

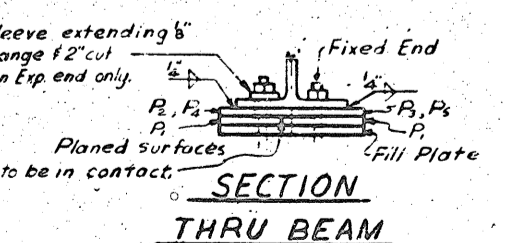


SECT. X-X

DETAIL DIAPHRAGM CONNECTION



BAR TYPES  
(Dimensions are out to out)



SECTION THRU BEAM

BILL OF MAT'L FOR 3 SPANS @ 38'-0", 47'-6", 47'-6"

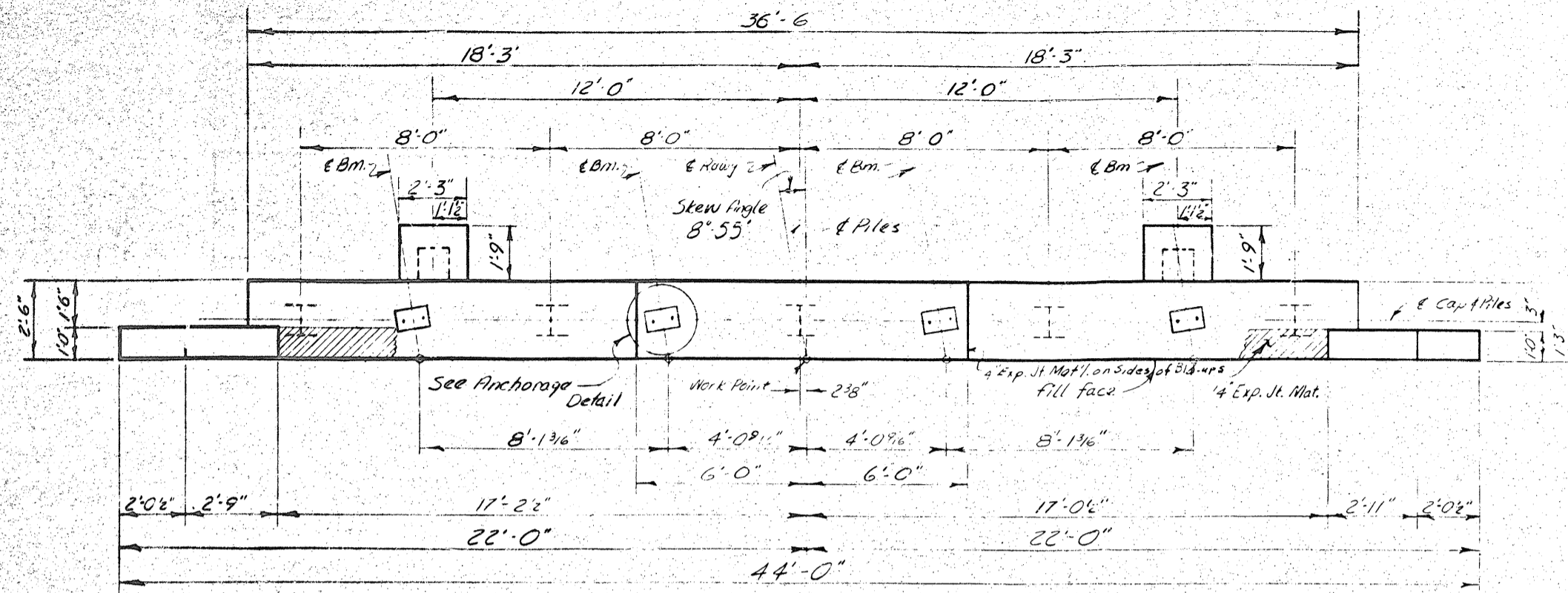
Bar No	Size	Type	Length	Weight	Bar No	Size	Type	Length	Weight
a1	#6	1	31'-1"	104.58	a1	#4	2	5'-4"	8
a2	#6	2	31'-1"	104.58	a2	#4	3	2'-10"	53
a3	#6	4	3'-9"	8.92	a3	#2	6	2'-7"	120
b1	#4	Str.	19'-8"	160.9	b1	#4	Str.	17'-8"	189
b2	#4	5	5'-0"	10.7	b2	#6	Str.	33'-6"	201
b3	#4	5	5'-6"	1.5	b3	#6	3	17'-6"	421
b4	#4	5	4'-10"	1.3	b4	#4	8	5'-10"	327
b5	#4	5	24'-5"	3.960	b5	#4	7	8'-8"	36
c1	#4	5	3'-8"	2.74	c2	#4	5	7'-5"	38.7
c2	#4	5	4'-3"	3.18					
f1	#4	Str.	13'-7"	36					
f2	#4	Str.	13'-5"	36					
f3	#4	Str.	12'-4"	66					
f4	#4	Str.	12'-2"	65					
f5	#4	Str.	15'-5"	247					
f6	#4	Str.	15'-4"	82					
f7	#4	Str.	15'-7"	83					
f8	#4	Str.	16'-7"	44					
f9	#4	Str.	16'-10"	45					
g	#6	Noted	6'-6"	78					

Reinforcing steel Lbs 30,782  
Class A Concrete Cu Yds 123.4  
Structural Steel (Approx) Lbs 91,500

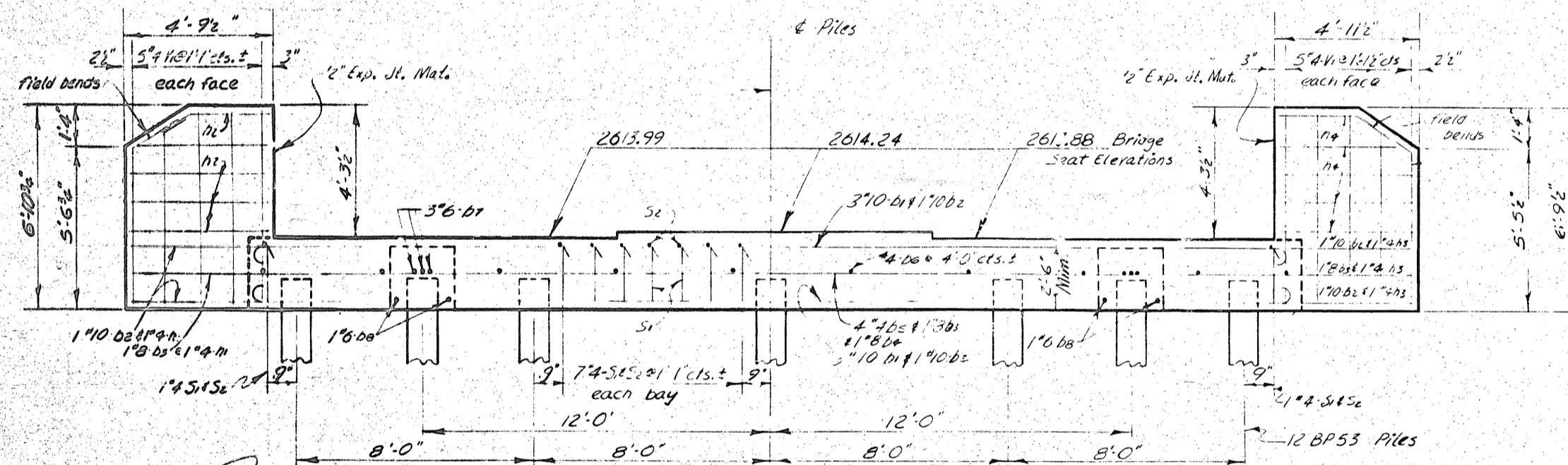
PROJECT NO. 8.19430  
HAYWOOD COUNTY  
STATION: 2+111.2  
SHEET 2 OF 2

STATE OF NORTH CAROLINA  
STATE HIGHWAY COMMISSION  
I-BEAM SUPERSTRUCTURE  
WITH R.C. FLOOR & RAIL  
28' ROADWAY @ 55' L.H. SKEW  
NOVEMBER 1959

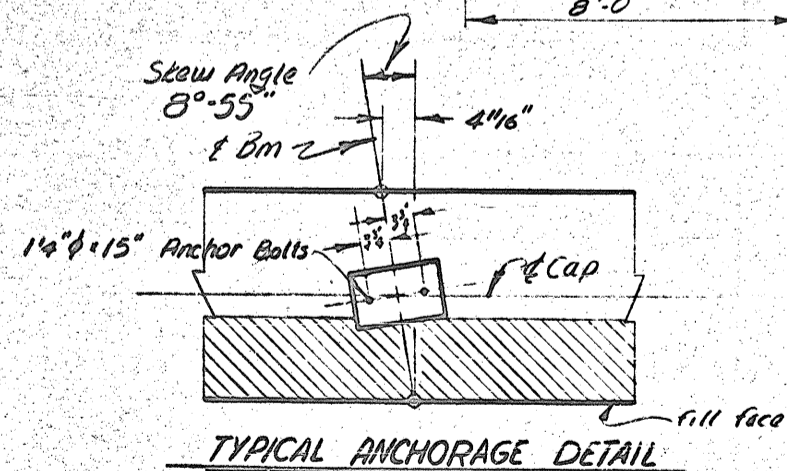
DESIGNED BY: S. B. Urry  
CHECKED BY: S. A. Hartz



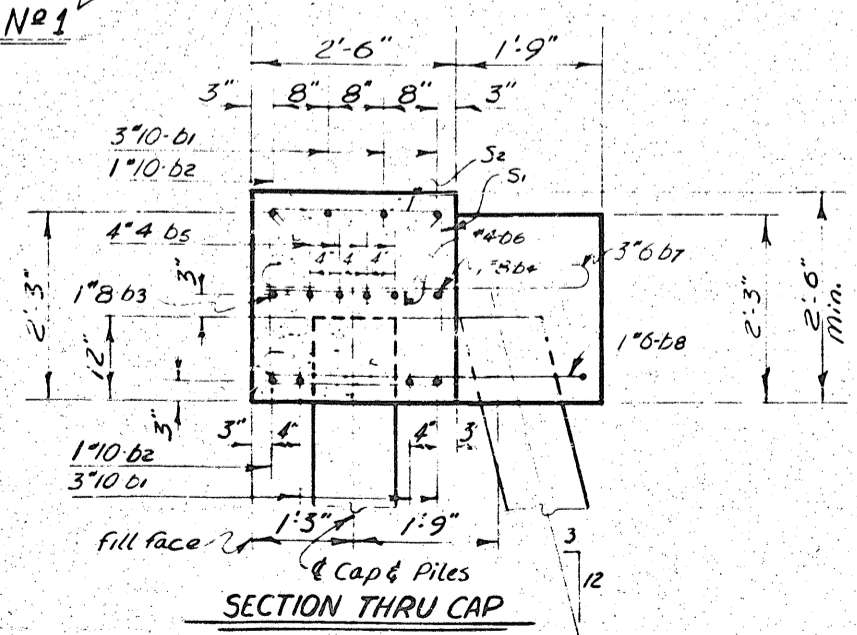
PLAN - END BENT NO 1



ELEVATION - END BENT NO 1

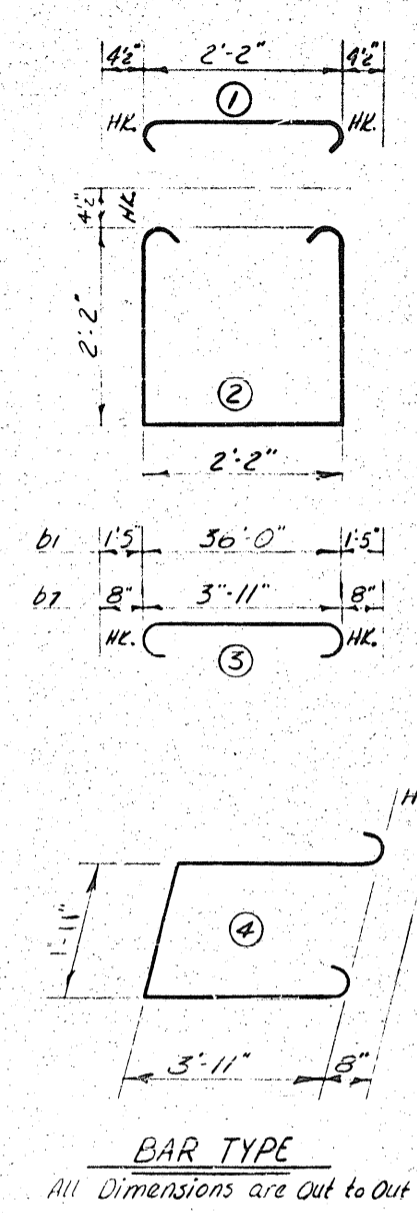


TYPICAL ANCHORAGE DETAIL



SECTION THRU CAP

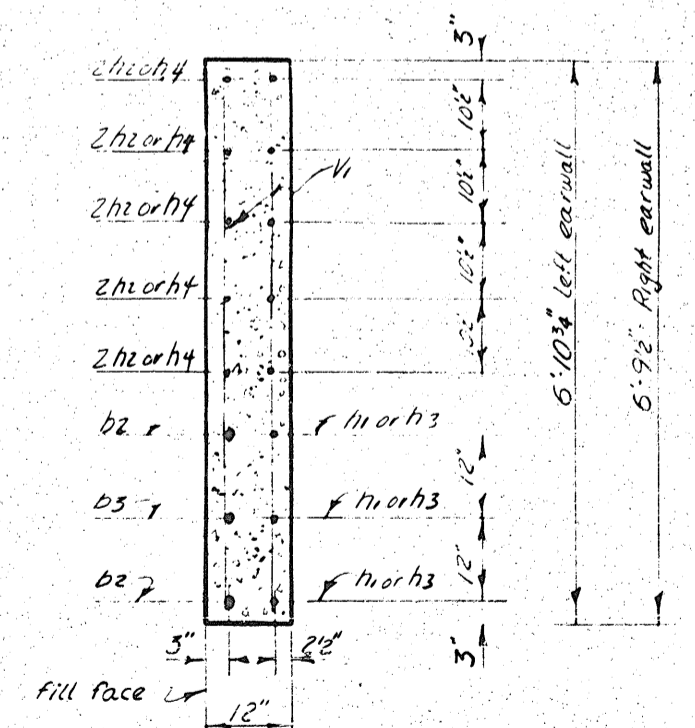
NOTE:  
Piles shall be driven to a minimum bearing capacity of 26 tons each.  
For typical steel pile splice detail see End Bent sheet for Sta. 57+75 L.



BAR TYPE  
All Dimensions are Out to Out

BILL OF MATERIALS				
END BENT NO 1				
BAR NO.	NO.	SIZE	TYPE	LENGTH
D1	6	#10	3	30'-10"
b2	2	#10	3	23'-7"
b3	1	#9	5	43'-7"
b4	1	#9	5	35'-10"
b5	8	#4	5	18'-0"
b6	10	#4	5	2'-2"
b7	6	#6	5	5'-3"
b8	2	#6	4	7'-2"
h1	3	#4	5	5'-0"
h2	10	#4	5	4'-2"
h3	3	#4	5	5'-8"
h4	10	#4	5	4'-7"
s1	30	#2	2	7'-3"
s2	30	#2	1	2'-11"
v1	20	#4	5	6'-6"

Reinforcing Steel, lbs. 2145  
Class "A" Concrete, Cu. Yds. 11.8  
Steel Piles, 12 BP53, NA T, Lin. Ft. 225'



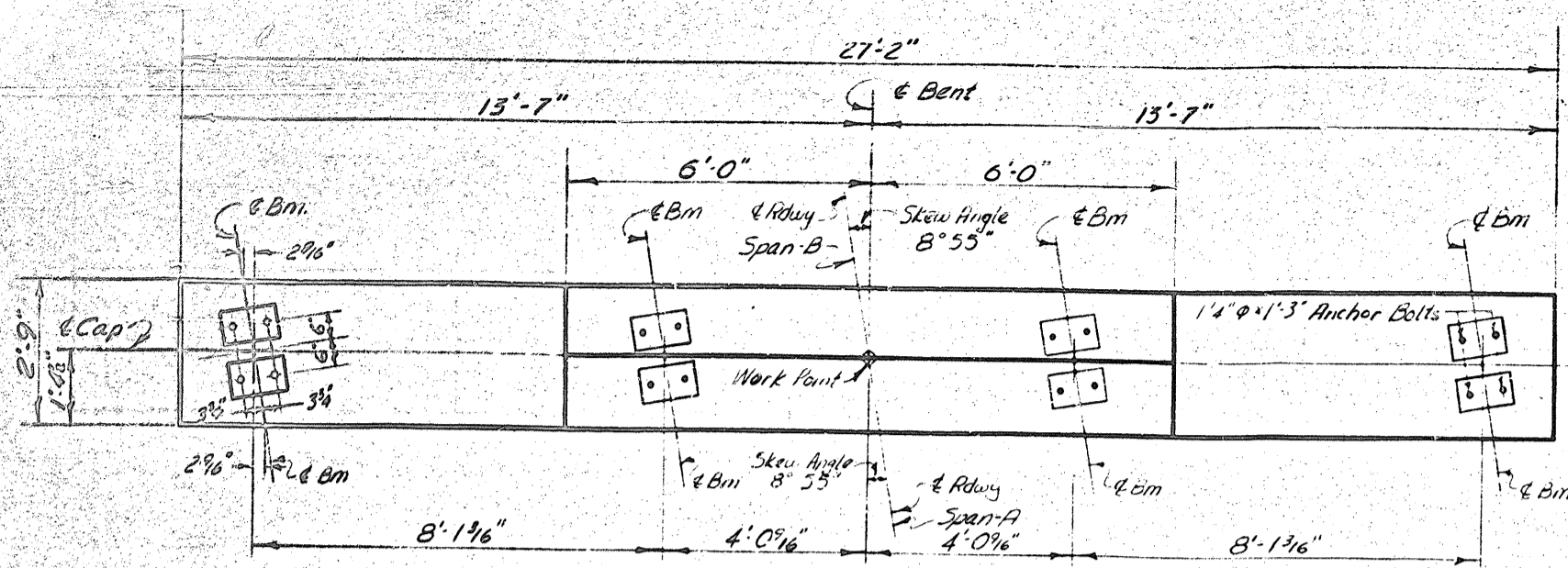
SECTION THRU EARWALL

PROJECT NO. 8.19430  
HAYWOOD COUNTY  
STATION: 14+77.55 L' RCV  
2+11.12 V

STATE OF NORTH CAROLINA  
STATE HIGHWAY COMMISSION  
SUBSTRUCTURE  
END BENT NO 1  
OCTOBER, 1959

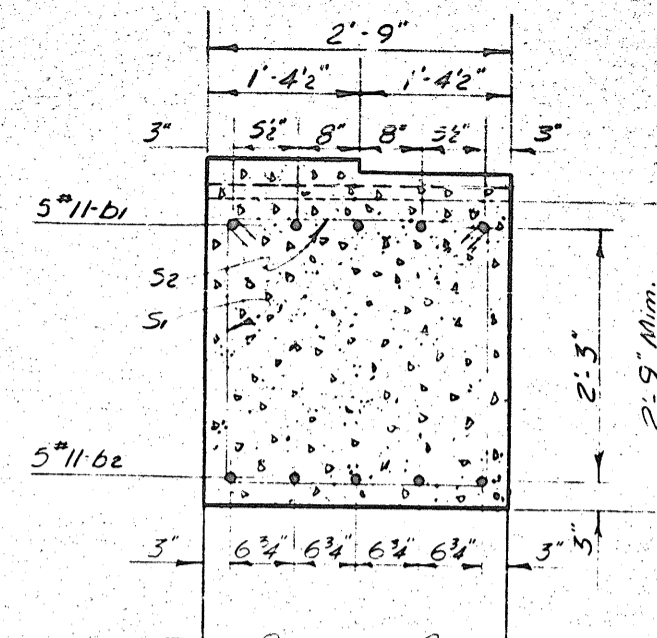
DESIGNED BY: [Signature] DATE: Oct. 1959  
DRAWN BY: [Signature] DATE: Nov. 1959  
CHECKED BY: [Signature] DATE: Nov. 1959

S. B. 1/1/59

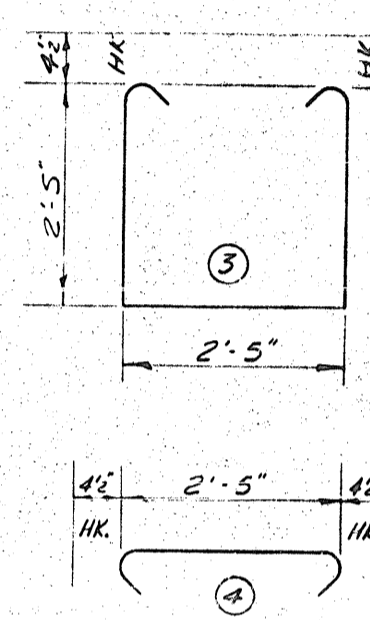
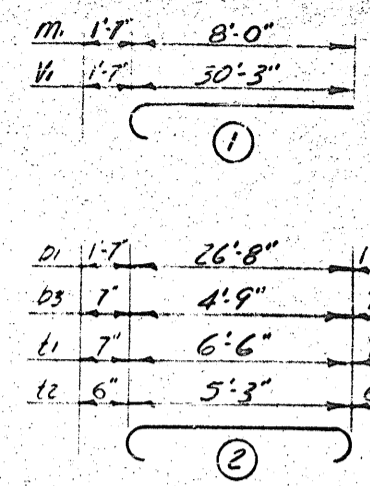


PLAN OF CAP

NOTE: Slab inverted or normal as shown.



SECTION-AA

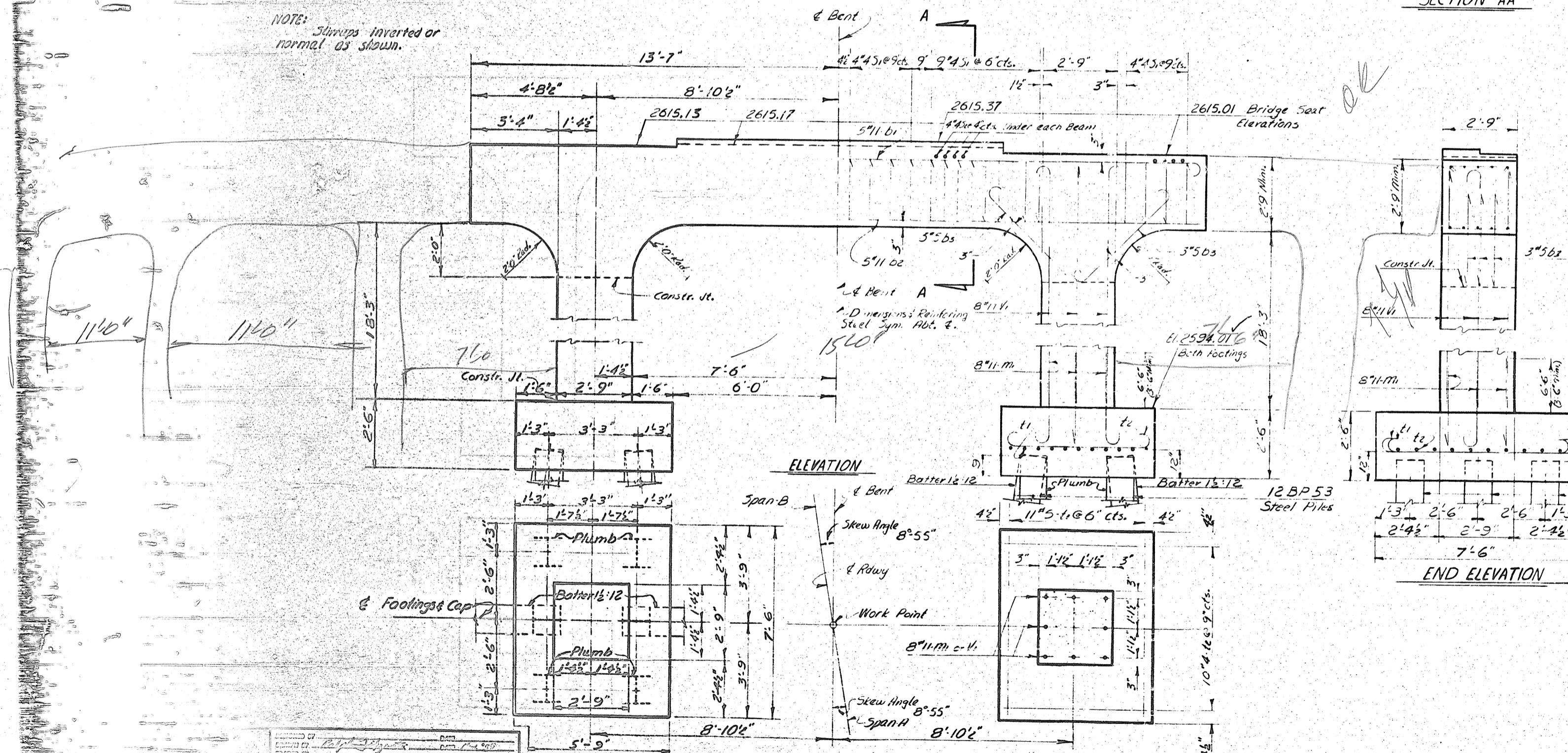


Bar Type

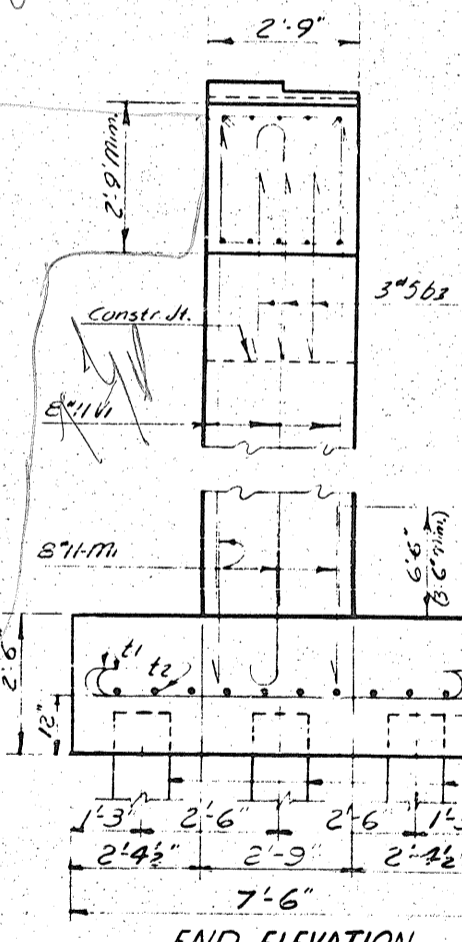
All Dimensions Out to Out

\* NOTE: V bars shall be cut off as necessary.  
NOTE: V bars cut off shall be used in place of some bent but do not use, so total weight of steel is not changed at all.

NOTE: Stagger ends of V bars



ELEVATION



END ELEVATION

BENT NO. 2				
BAR	NO.	SIZE	LENGTH	WEIGHT
D1	5	#11	2	2.00
D2	5	#11	5.0	2.50
D3	12	#5	2	9.11
M1	16	#11	1	9.70
S1	32	#2	3	8.00
S2	16	#2	4	8.00
L1	22	#5	2	7.80
L2	20	#4	2	6.30
V1	16	#11	1	31.70

PROJECT NO. 8.19430  
HAYWOOD COUNTY  
STATION: 14+77.55 to 14+81.25  
2+11.12-V

STATE OF NORTH CAROLINA STATE HIGHWAY COMMISSION				
SUBSTRUCTURE				
BENT NO. 2				
OCTOBER, 1959				
APPROVED				
DATE				
BY				
BY				
BY				

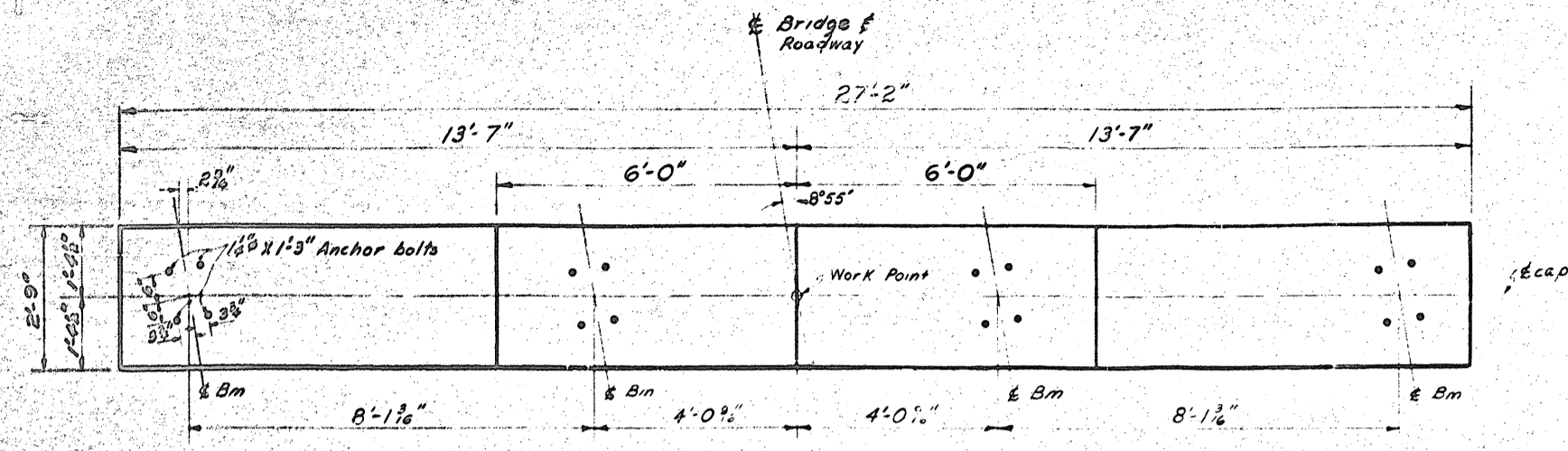
Revised for footing piles

S.B. Wynn

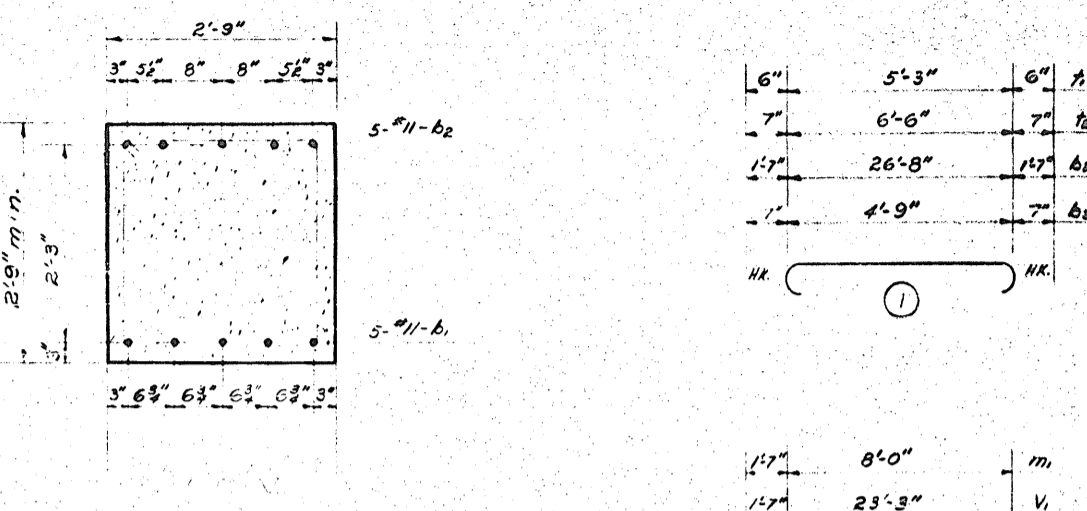
PROJECT NO. 819430  
16(13)

**ERIAL**

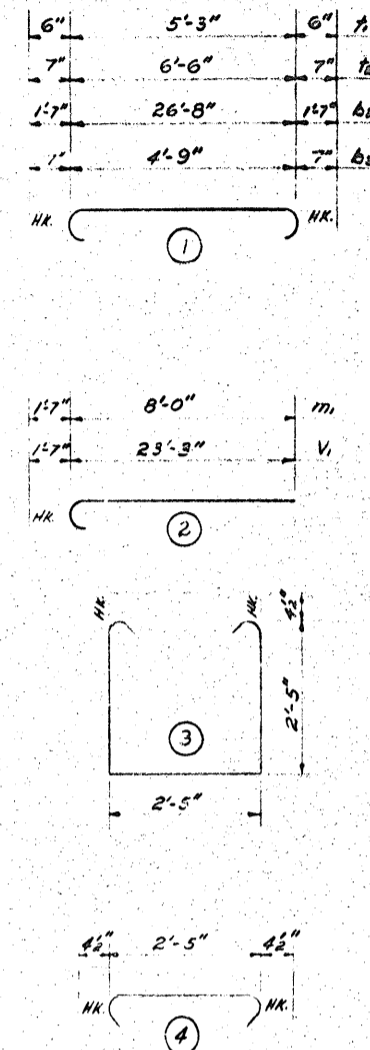
LENGTH	WEIGHT
9'-10"	792
6'-10"	713
5'-11"	74
	<b>519</b>
3'-0"	182
5'-2"	36
8'	176
5'-5"	84
1'-10"	2106



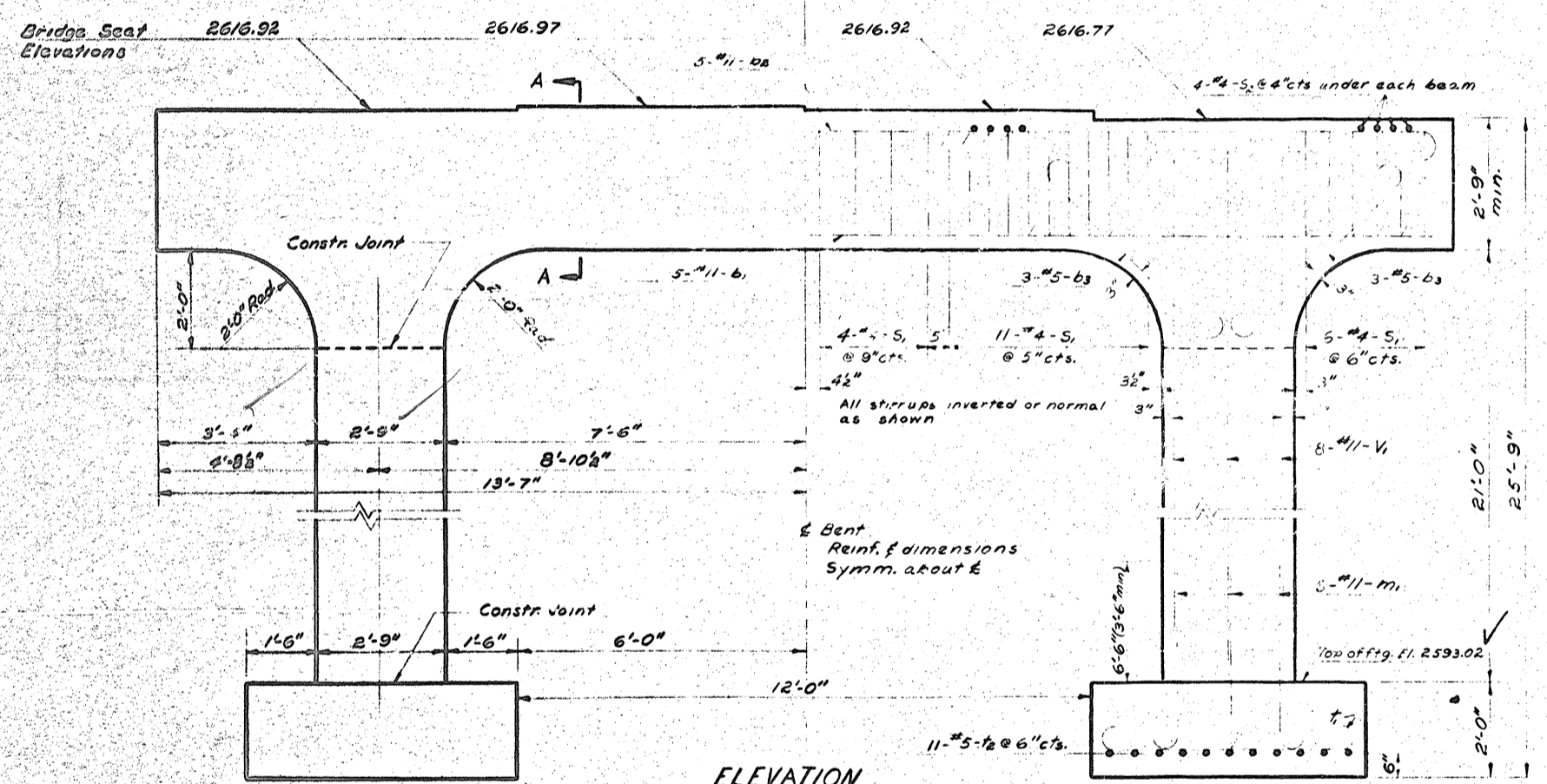
PLAN OF CAP



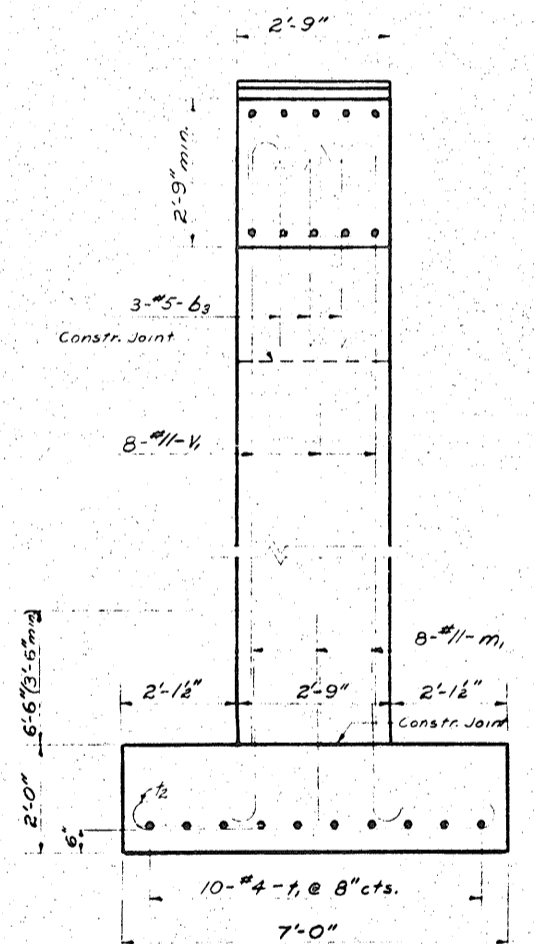
SECTION A-A



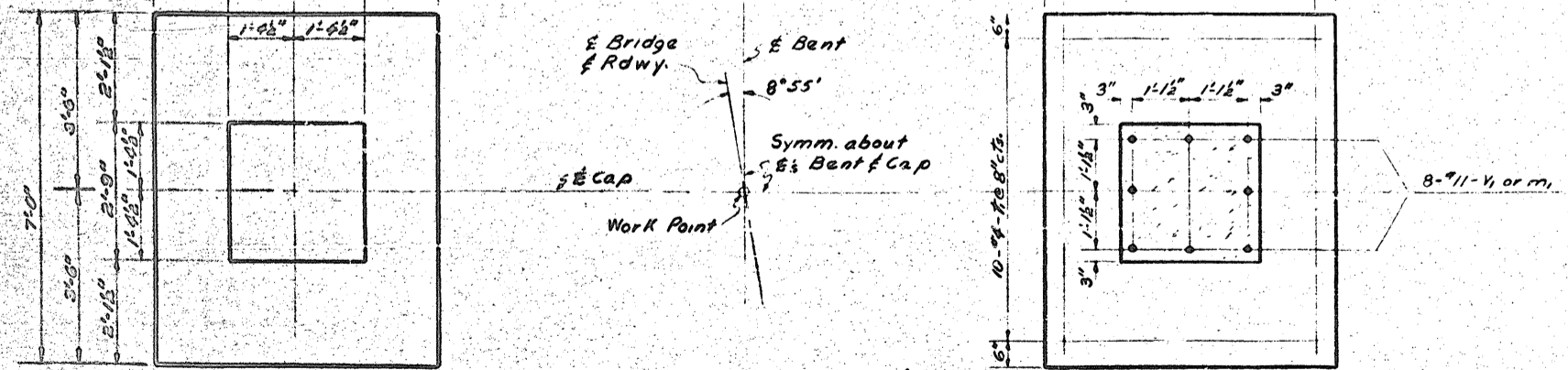
BAR TYPES  
All bar dimensions are out to out



ELEVATION



END ELEVATION



PLAN OF FOOTING

**BILL OF MATERIALS**  
**BENT NO. 2**

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
b1	5	#11	cap	3'-10 1/2"	792
b2	5	#11	cap	6'-10"	713
b3	12	#5	cap	5'-11"	74
m1	16	#11	2	9'-2 1/2"	810
s1	42	#4	3	0'-6 1/2"	324
s2	16	#4	4	5'-5 1/2"	87
f1	20	#4	1	6'-5 1/2"	04
f2	22	#5	1	7'-0"	173
v1	16	#11	2	24'-10"	2111

Reinforcing Steel - Abs. - 50100  
Class "A" Concrete - Co. Yds. - 5000  
Unclas. Str. Encav. - Co. Yds. - 5000  
21120

PROJECT NO. 819430  
HAYWOOD COUNTY  
STATION: 14+77.55 "N" Rwy.  
2+11.12 "Y"

STATE OF NORTH CAROLINA  
**STATE HIGHWAY COMMISSION**

**SUBSTRUCTURE**  
**BENT NO. 2**

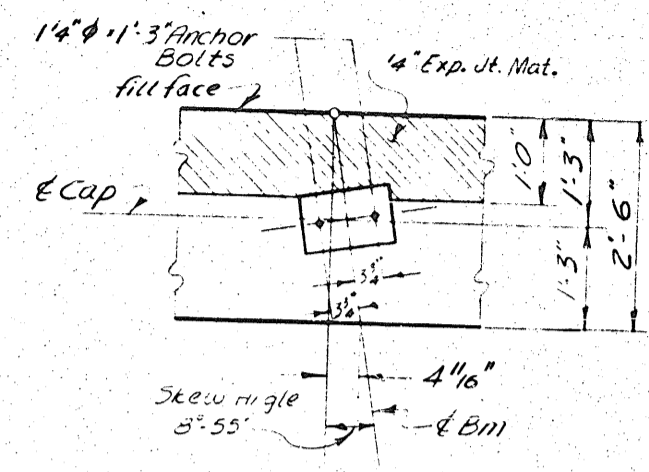
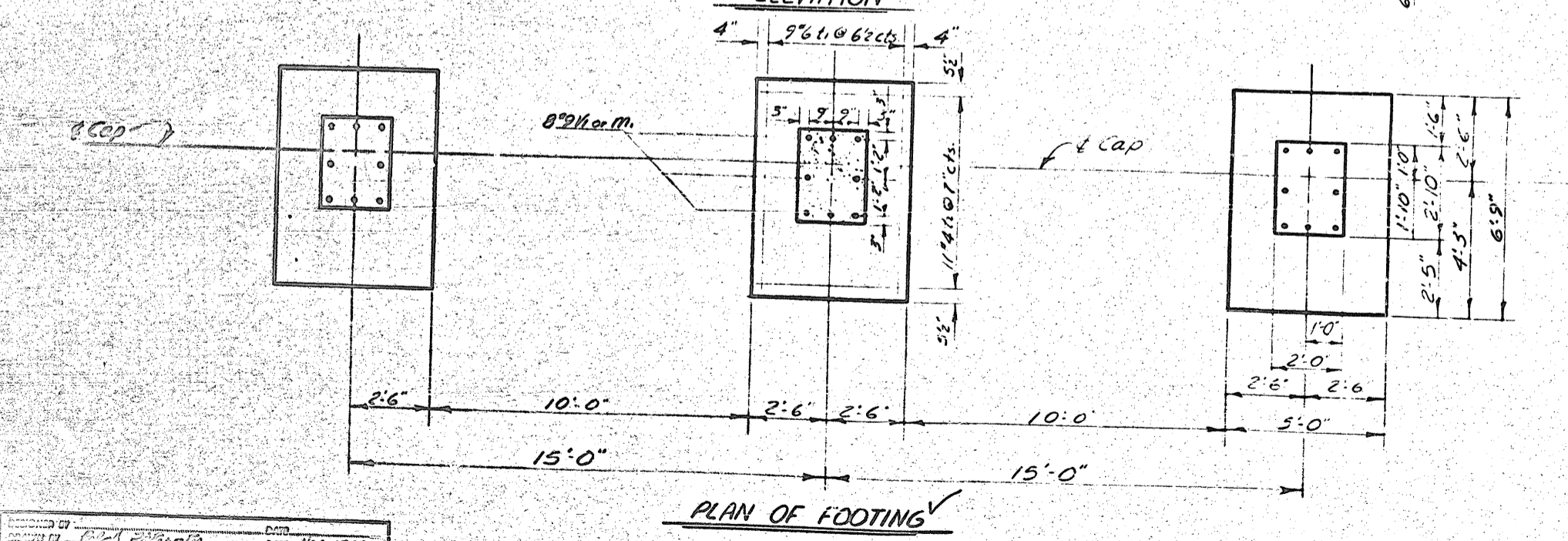
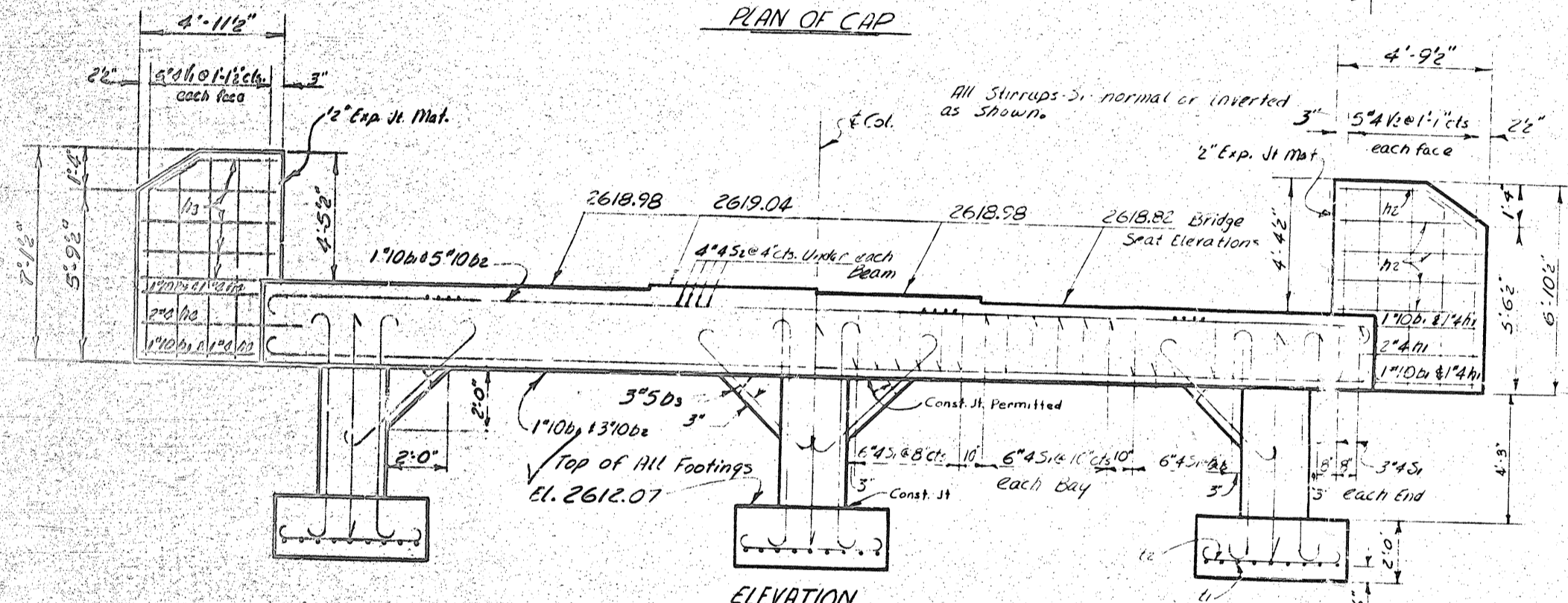
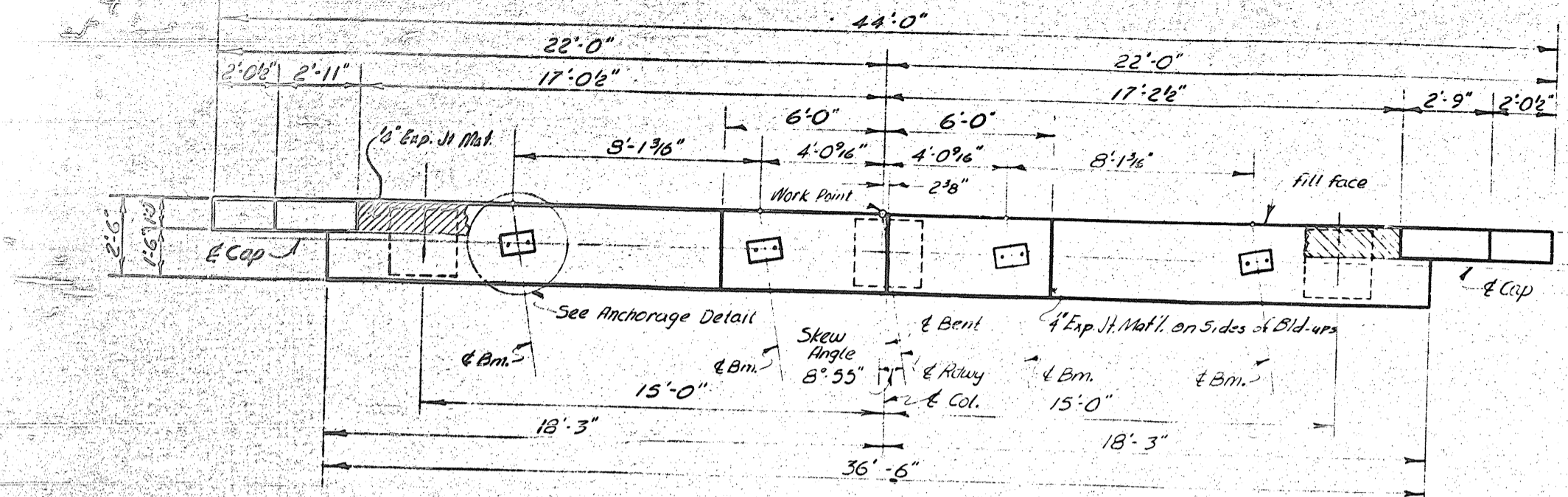
**NOVEMBER**

5575  
26.9  
10-11-50  
12 LF 500

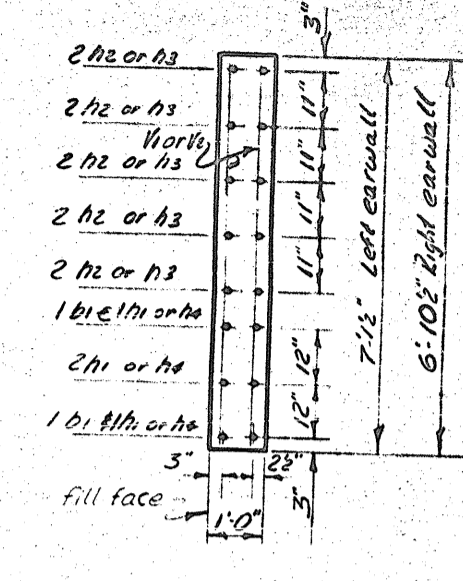
430  
TY  
L. Rev

SSON

S. D. Vary  
 10/15/50  
 10/15/50  
 10/15/50  
 10/15/50



TYPICAL ANCHORAGE DETAIL



SECTION THRU EARWALL

BAR TYPE  
All Dimensions Out to Out

Bar	Length	Quantity	Weight
b2	1'-5"	36'-0"	1'-5"
b3	7"	5'-10"	7"
t1	8"	6'-3"	8"
t2	6"	4'-6"	6"
v3	1'-3"	7'-9"	1'-3"

DIM. OF

END BENT

BAR	NO.	SIZE	LENGTH	WEIGHT
b1	2	4/0	1'-2"	1.2
b2	8	4/0	1'-2"	9.6
b3	12	5/8	1'-2"	14.4
b4	4	5/8	5'-0"	17.6
b5	10	5/8	6'-9"	42.0
b6	10	5/8	6'-9"	42.0
b7	4	5/8	5'-0"	17.6

S1	42	4/0	4	7.2	205
S2	16	2/0	3	2.4	51
b1	27	2/0	1	2.7	50
b2	33	2/0	1	3.3	186
v1	10	2/0	5/8	6.9	65
v2	10	2/0	5/8	6.9	65
v3	29	2/0	1	10.3	256

Reinforcing Steel - lbs. 3.475  
 Class "A" Concrete - Cu. Yds. 21.5  
 Unclass. Str. Excav. - Cu. Yds. 2.2

PROJECT NO. 812430  
 HAYWOOD COUNTY  
 STATION: 14+77.55  
 2-11-12-1

STATE OF NORTH CAROLINA  
 STATE HIGHWAY COMMISSION

SUBSTRUCTURE  
 END BENT NO. 2

NOVEMBER 1950

NO.	DESCRIPTION	DATE
01	As Shown	Nov. 1950
02	As Shown	Nov. 1950
03	As Shown	Nov. 1950

PROJECT NO.  
33023206

NO. 2

LENGTH	WEIGHT
4'-4"	260
3'-4"	97
3'-0"	104
3'-0"	622
1'-4"	220
3'-0"	1,594
3'-6"	558
3'-1"	257
3'-0"	278
3'-3"	259
2'-8"	49
3'-3"	118
1'-1"	83
4'-5"	8
4'-0"	10
4'-9"	24
1'-0"	10
7'-3"	44
7'-0"	220
2'-0"	168
8'-3"	187
3'-8"	38
8'-2"	41

6176  
Yds - 28.9  
No - 18  
110'

330206  
COUNTY  
28-12  
MISSION

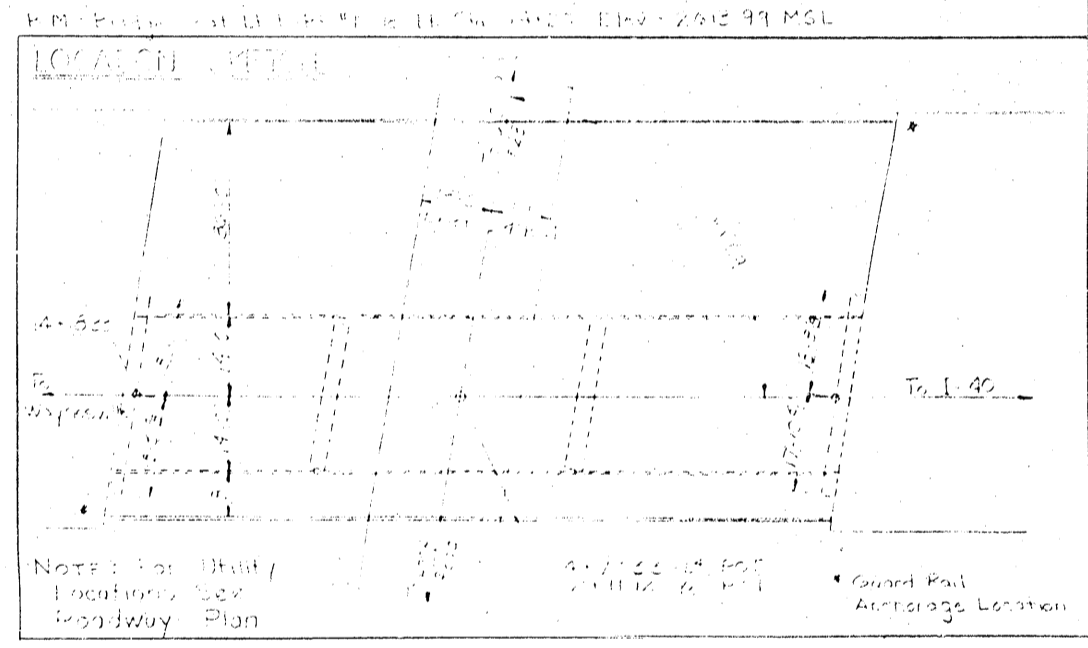
NO. 2  
179  
907

DRAWN BY: [Signature] DATE: 11/24/67  
CHECKED BY: [Signature] DATE: 2/24/68

FED. ROAD DIV. NO.	STATE	PROJECT NO.
3	N.C.	33023206
P. A. PROJECT 1111-2-2(15)		



**NOTE:**  
 All work to be done in accordance with the approved plans and specifications.  
 The contractor shall be responsible for obtaining all necessary permits and licenses.  
 The contractor shall be responsible for the safety of all workers and the public.  
 The contractor shall be responsible for the removal of all materials and debris.  
 The contractor shall be responsible for the maintenance of all existing structures.  
 The contractor shall be responsible for the protection of all utilities.  
 The contractor shall be responsible for the completion of all work within the specified time.  
 The contractor shall be responsible for the payment of all bills and invoices.  
 The contractor shall be responsible for the insurance of all workers and materials.  
 The contractor shall be responsible for the cleanup of all work areas.



TOTAL PILE OF MATERIAL							
Class of Material	Quantity	Unit	Weight	Volume	Value	Remarks	Other
Concrete	100	cu. yds.	14000	100	100000		
Reinforcing Steel	100	lbs.	100		10000		
Other							
Total							

I HEREBY CERTIFY THAT THIS STRUCTURE WAS BUILT ACCORDING TO THIS PLAN EXCEPT AS NOTED HEREIN  
S.T. Henry  
R.S. King

Reason for Increase in Unitless 3/4/68  
SIA EXCAV. DUE TO ROADWAY CONTR.  
PORTION ELIMINATED. TIP SECT NO 23 - Page 8 of 268

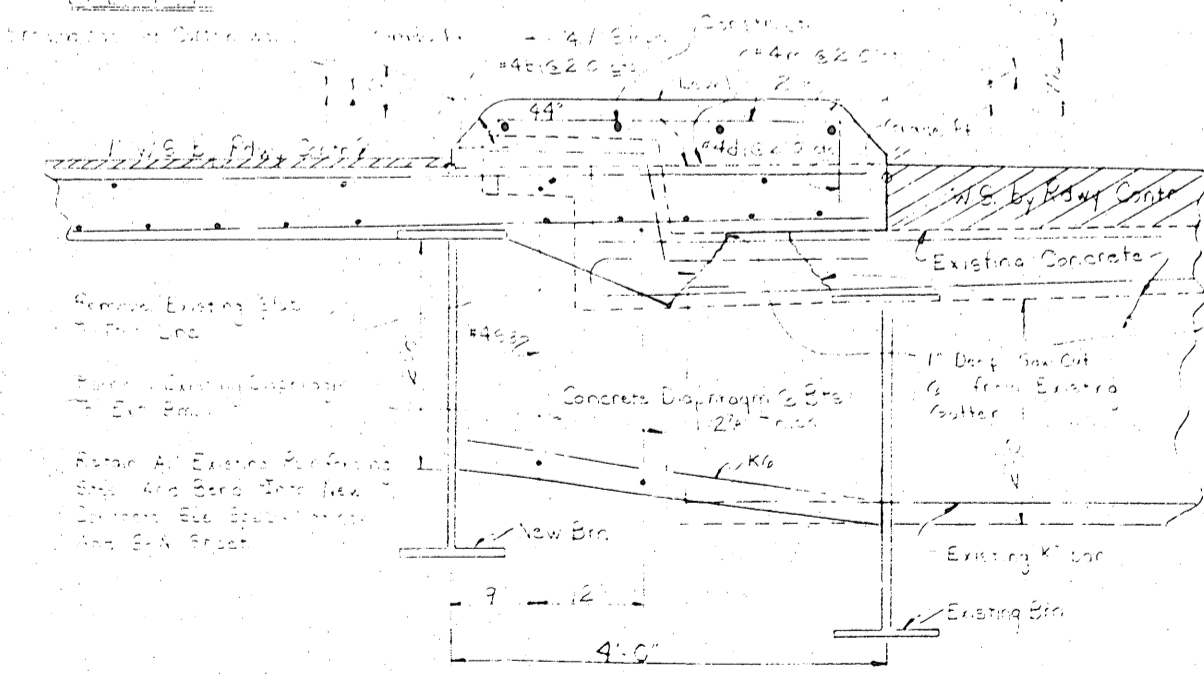
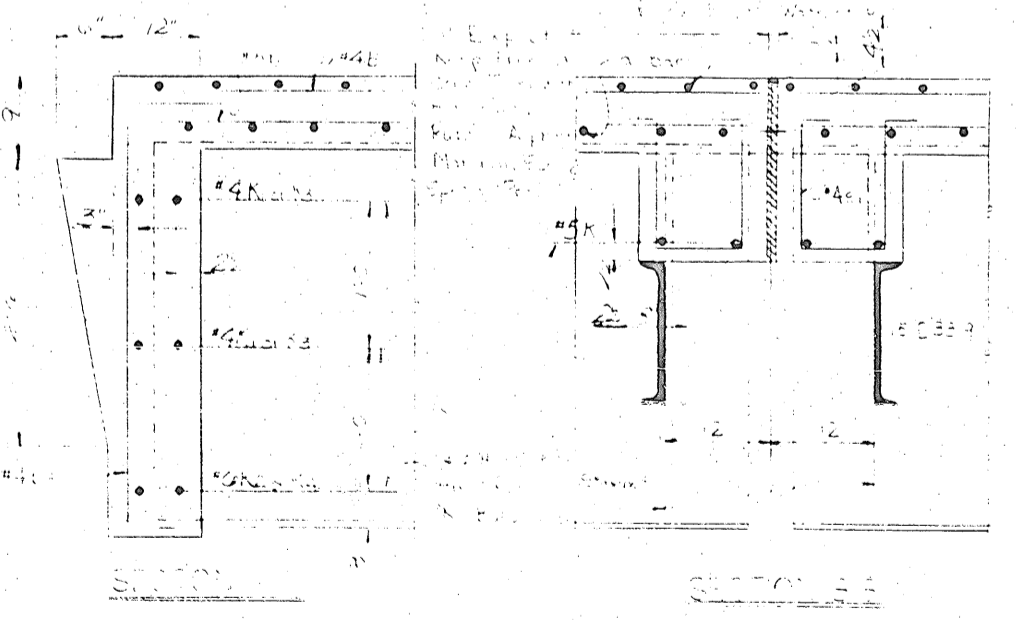
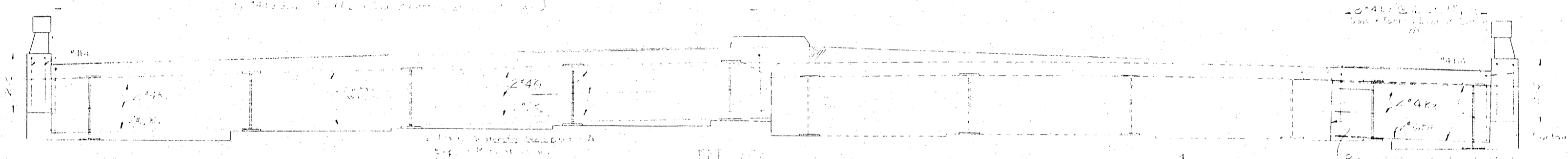
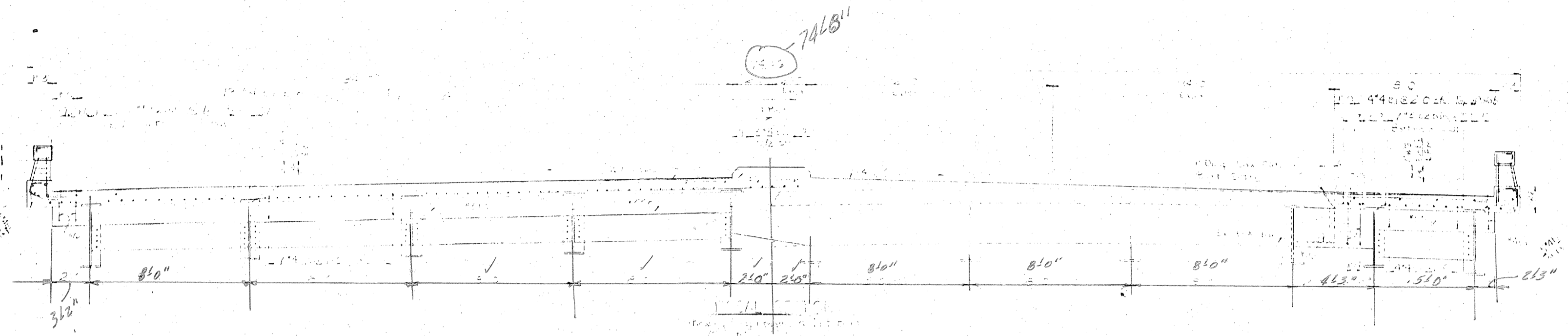
PROJECT NO. 33023206  
COUNTY  
STATION: 131725.10

STATE OF NORTH CAROLINA  
STATE HIGHWAY COMMISSION  
RALEIGH  
CENTRAL DIVISION FOR BRIDGE  
CONSTRUCTION  
140 BETWEEN WAYNESVILLE  
AND 149

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

SHEET NO. 539  
TOTAL SHEETS 80 268





Remove Existing 3'0" x 12'0" Concrete Slab  
 Form and Cast New Concrete Slab  
 Reinforce All Existing Reinforcement  
 with 4#6 Bars (See Detail 2-2)  
 Remove Existing Concrete Slab  
 and 8'0" Span

Note: #4 and #6 Bars Must Be  
 Reinforced with Concrete  
 Above Top of Deck Slab  
 at Both Ends of Span  
 5' Above Grade Pt.

PROJECT No. 83023206  
 HAYWOOD COUNTY  
 STATION: 14+77.514

STATE OF NORTH CAROLINA					
STATE HIGHWAY COMMISSION					
RALEIGH					
REPAIR SUPERSTRUCTURE					
AT STATION 14+77.514					
72 ROADWAY 8'55" L.H. SKEW					
FEBRUARY 1961					
REVISIONS			SHEET NO. 536		
NO.	BY	DATE	NO.	BY	DATE
1			3		
2			4		
TOTAL SHEETS 210					

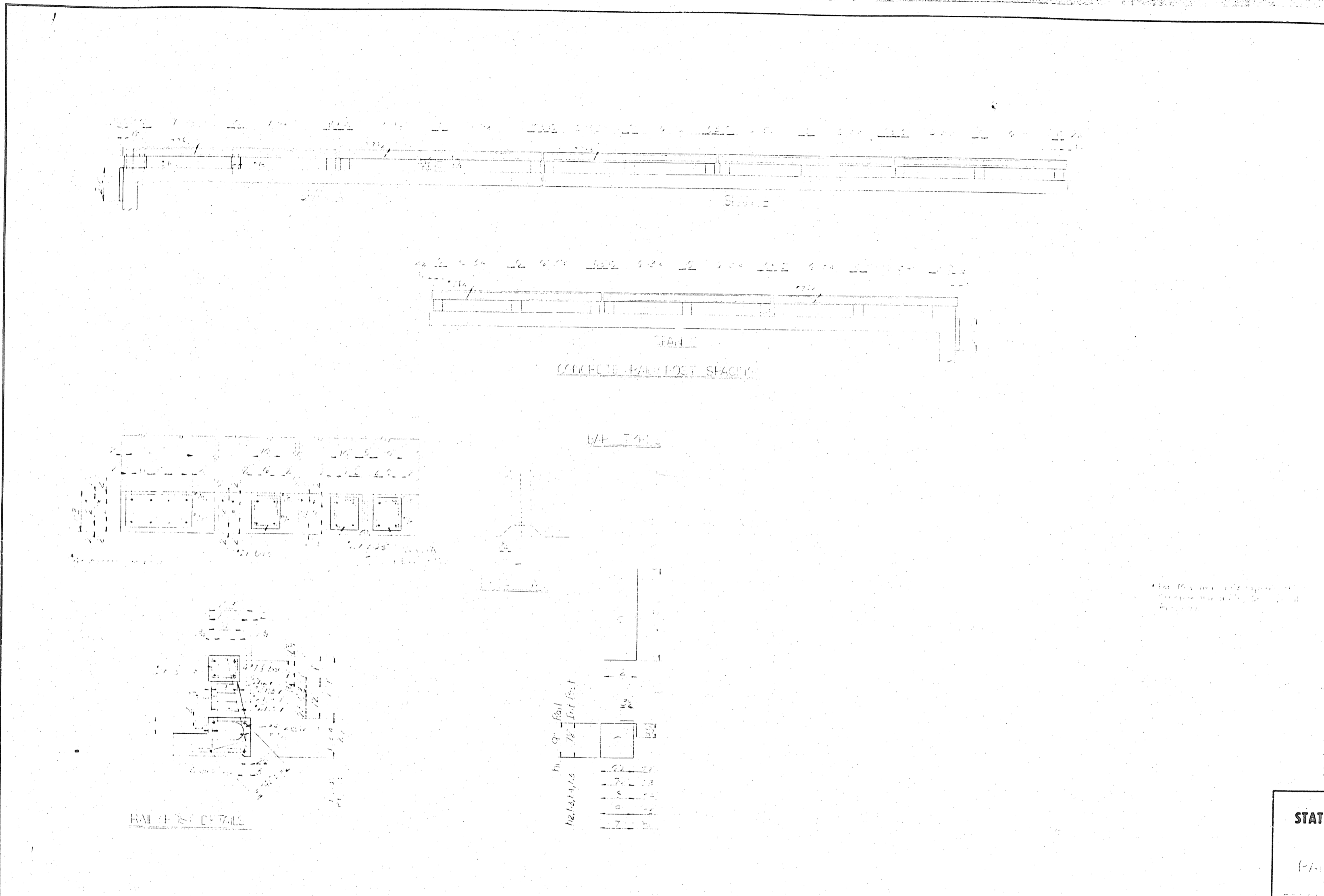
DRAWN BY: [Signature] DATE: 1/24/61  
 CHECKED BY: [Signature] DATE: May 61

COUNTY  
 SECTION

180  
 SHEET NO. 536  
 TOTAL SHEETS 210

DT NO.  
1220  
BY

FED. ROAD DIV. NO.	STATE	PROJECT NO.
9	N. C.	23023206
P. A. PROJECT APD-12-2(15)		



**BILL OF MATERIAL**  
FOR RAIL POST

BAR NO.	SIZE	TYPE	LENGTH	WEIGHT
11	#4	1	3.5	1.65
12	#4	1	20.2	22.2
13	#4	1	3.0	2.94
14	#4	1	5.4	7.52
15	#4	1	2.0	4.91
16	#4	1	17.2	2.21
17	#4	1	3.3	2.97
18	#4	1	2.11	2.1
19	#4	1	3.1	2.3
20	#4	1	3.2	2.3
21	#4	1	3.4	2.4

Reinforcing Steel Lbs 29.97  
 Class A Concrete Cu Yds 8.4  
 Total Concrete Material  
 Linear Ft 269.83

PROJECT NO. 23023206  
 HAYWOOD COUNTY  
 STATION: 14+77.55-14

STATE OF NORTH CAROLINA  
**STATE HIGHWAY COMMISSION**  
 RALEIGH  
 CONCRETE  
 RAIL POST SPACING

REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	5-41
1			2			TOTAL SHEETS
2			4			30-243

DRAWN BY: [Signature] DATE: 1/1/2012  
 CHECKED BY: [Signature] DATE: 1/1/2012

SOOTHELIUS BLUE PRINT CO. CHARLOTTE, N. C. 28203

NTY  
 181

TOTAL  
 249

PROJECT NO. 83023206  
 AFD-12-2(15)

**MATERIAL**

LENGTH	WEIGHT
3.5	453
3.2	332
3.0	294
3.4	752
15.0	491
17.2	221
3.3	297
2.11	71
3.1	23
4.2	23
3.4	24

3929  
 26483

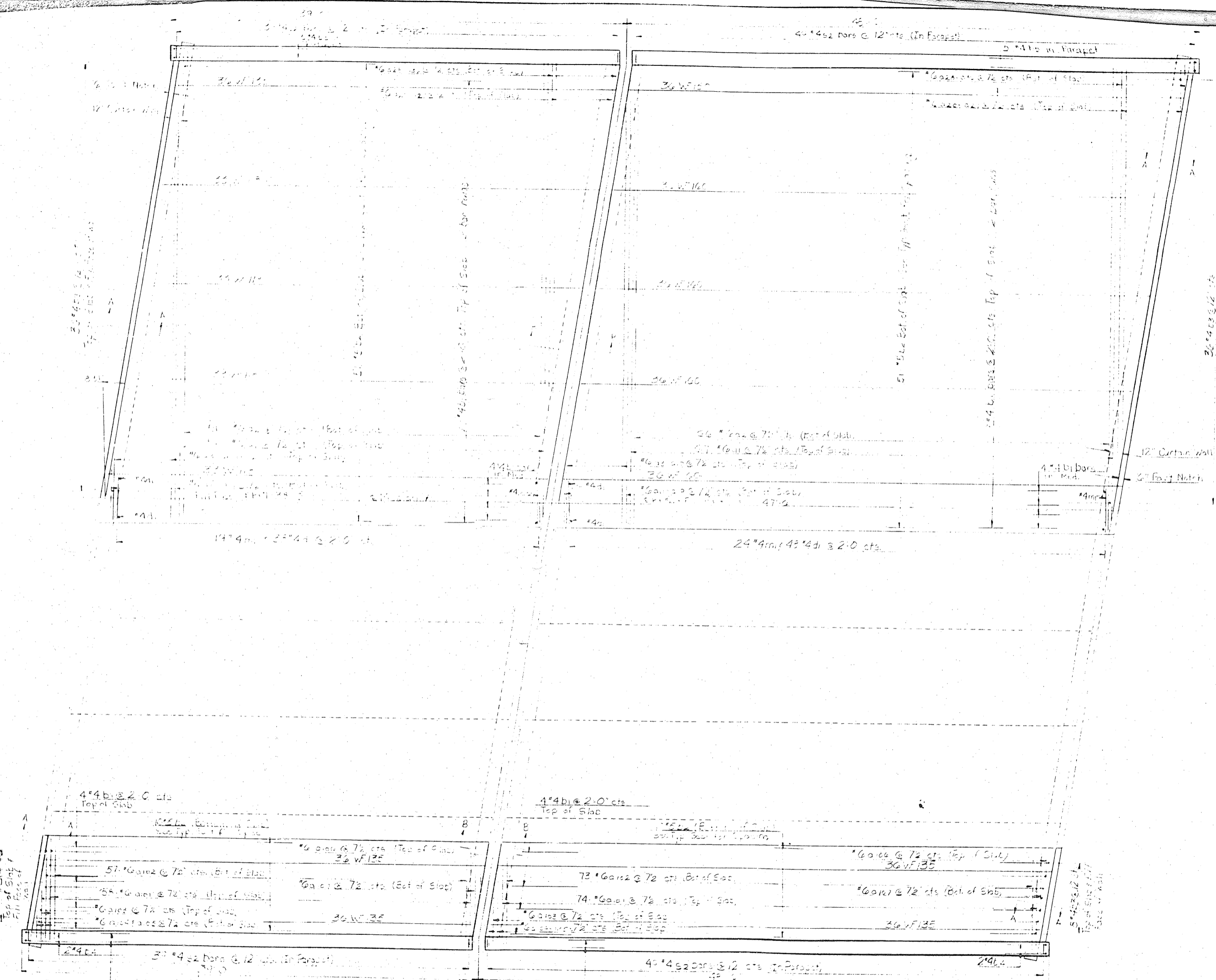
83023206

COUNTY

MISSION

182  
 SHEET NO.  
 TOTAL SHEETS  
 26 248

DRAWN BY: [Signature] DATE: 2/1/67  
 CHECKED BY: [Signature] DATE: 12/1/67  
 SOUTHWALD BLUE PRINT CO. CHARLOTTE, N. C. 28203



P. A. PROJECT AFD-12-2(15)

PROJECT NO. 83023206  
 HAYWOOD COUNTY  
 STATION: 16+77.55 14

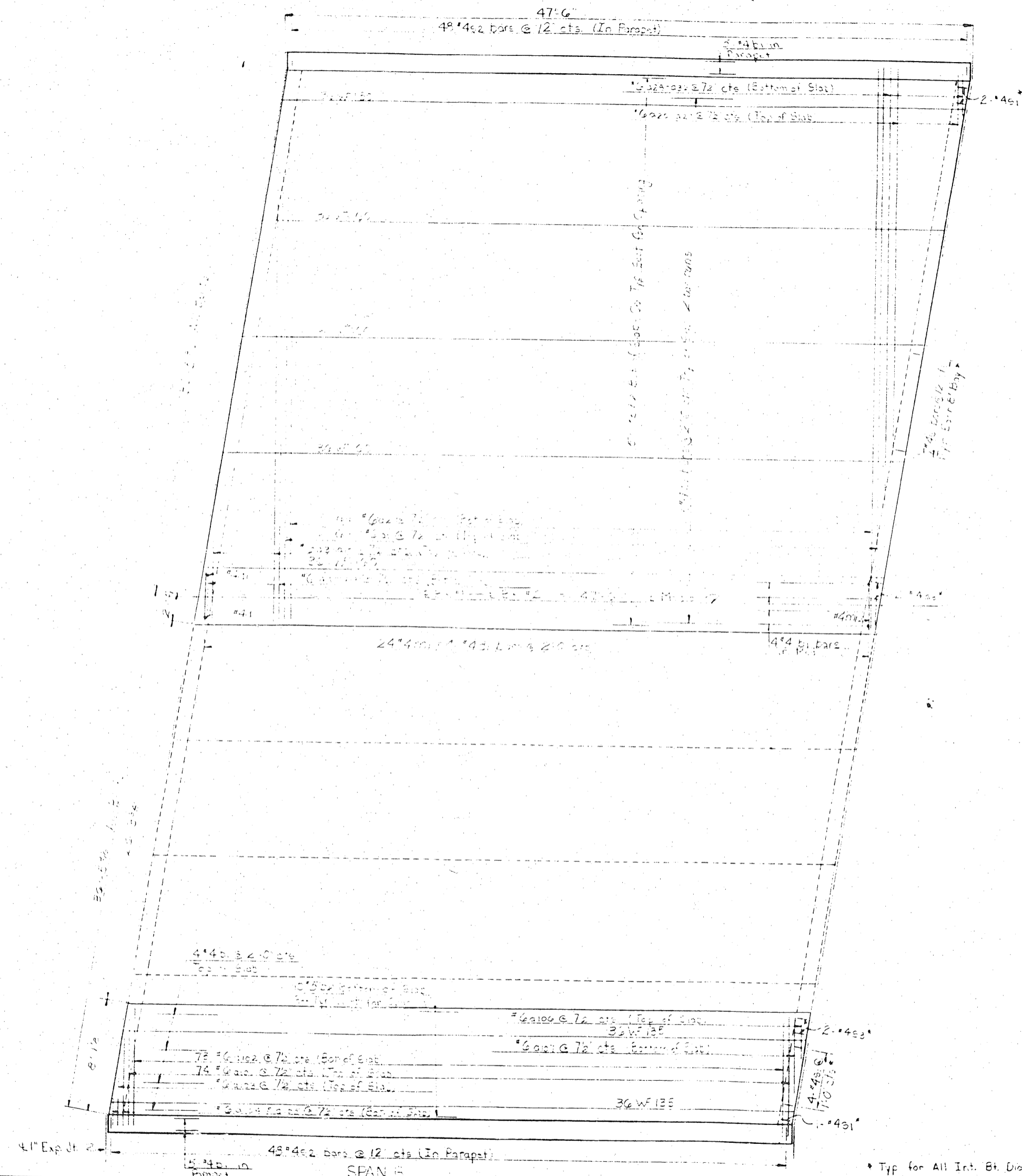
STATE OF NORTH CAROLINA  
**STATE HIGHWAY COMMISSION**  
 RALEIGH

SUPERSTRUCTURE  
 CHAIRS & RC

REVISIONS

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

SHEET NO. 542  
 TOTAL SHEETS 80 248



COUNTY

MISSION

PROJECT No. 83023206

HAYWOOD COUNTY

STATION: 14+77.55

STATE OF NORTH CAROLINA  
**STATE HIGHWAY COMMISSION**  
 RALEIGH

SUPERSTRUCTURE  
 SPAN B

FEBRUARY 1967

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

SHEET NO. 543

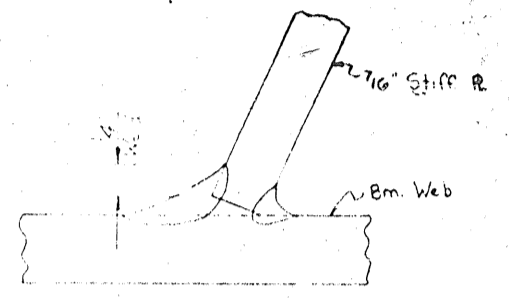
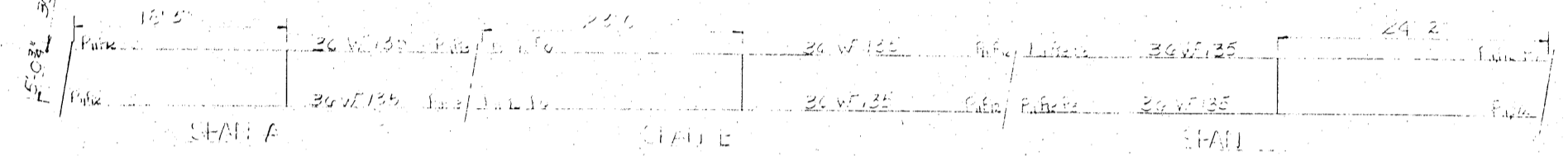
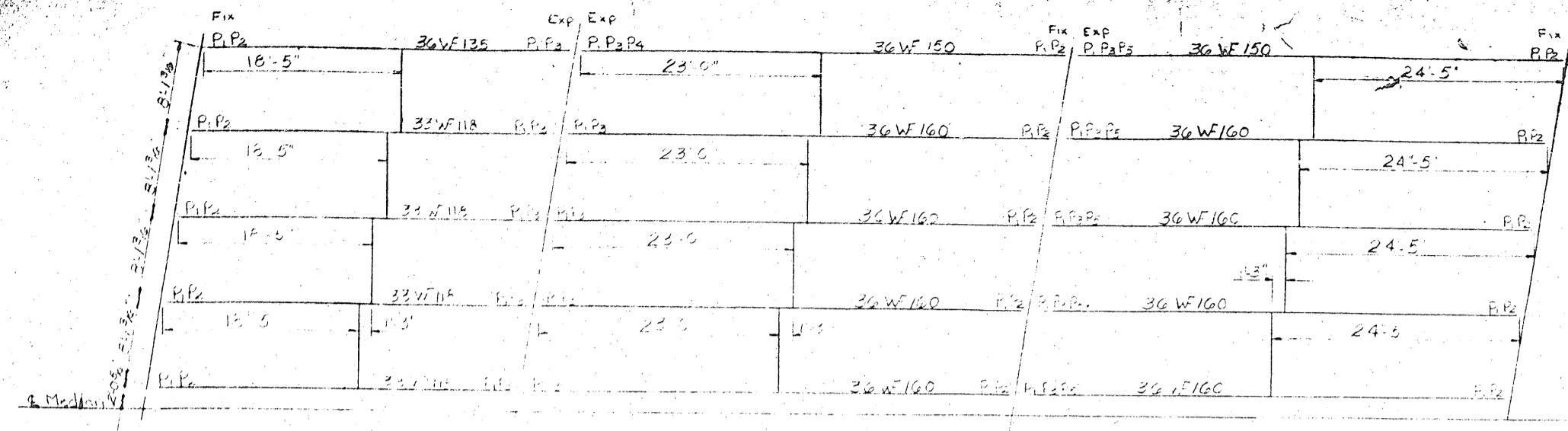
TOTAL SHEETS 80208

DRAWN BY: *[Signature]* DATE: 2/1/67

CHECKED BY: *[Signature]* DATE: 2/1/67

SOUTHERLAND BROS. PONT CO. CHARLOTTE, N. C. 28214

\* Typ for All Int. Bt. Diaphragms

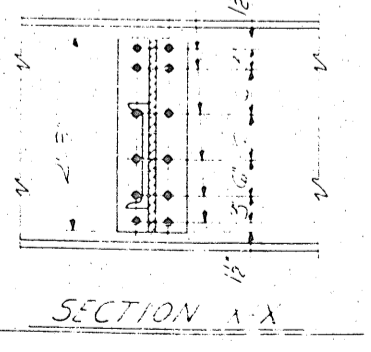
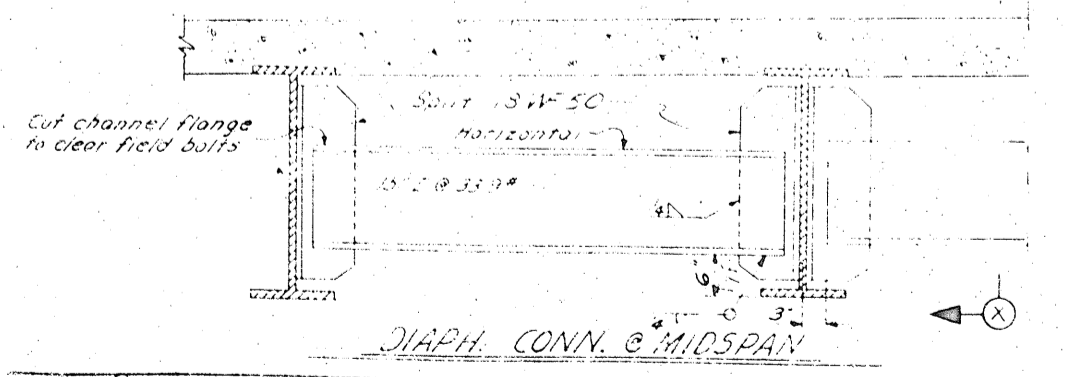
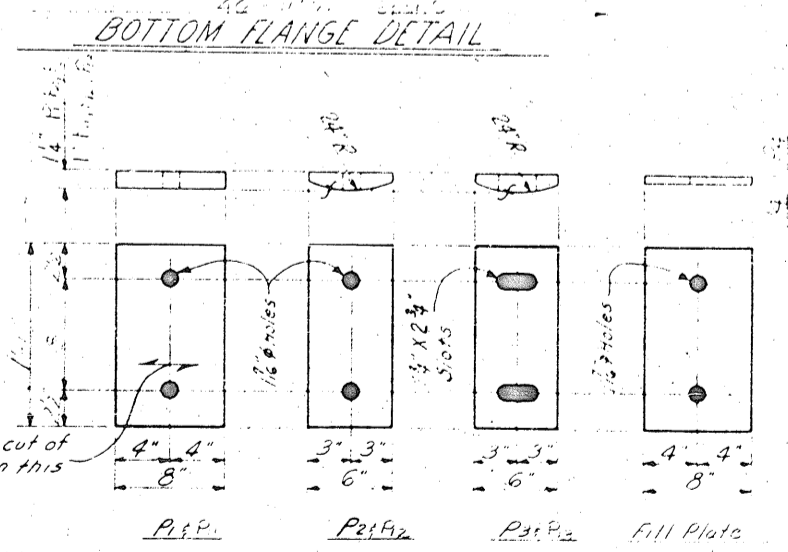
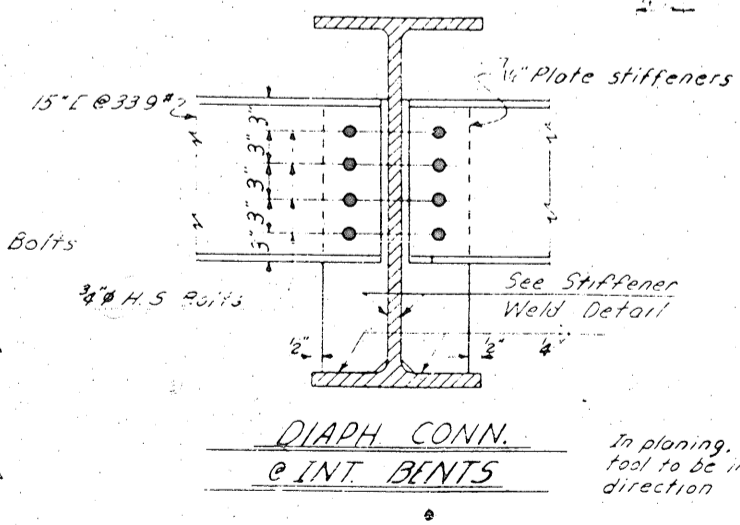
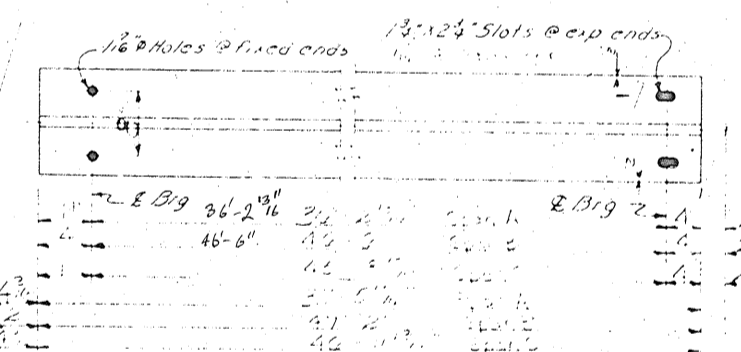
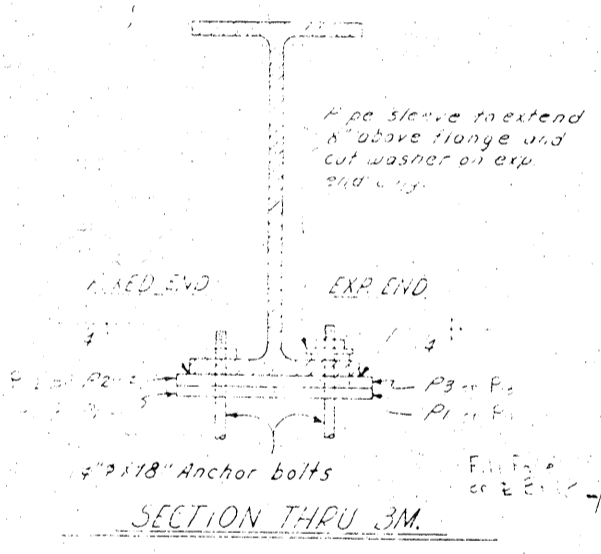


STIFFENERS ATTACHED TO BEAM WEBS

DEFLECTION TABLE

	Span A		Span B		Span C	
	Lt. Side	Rt. Side	Lt. Side	Rt. Side	Lt. Side	Rt. Side
Deflection due to beam weight	0	0	1/16	1/16	1/16	1/16
Deflection due to superimposed D.L.	1/8	1/8	1/8	1/8	1/8	1/8
<b>TOTAL DEFLECTION</b>	1/8	1/8	1/8	1/8	1/8	1/8
VC. CURVATURE	0	0	0	0	0	0
CAMBER BEAMS	0	0	0	0	0	0

Handwritten notes: 1/2" dia. Clevis Pin, 1/2" dia. Clevis Bolt, 1/2" dia. Clevis Nut, 1/2" dia. Clevis Washer, 1/2" dia. Clevis Pin, 1/2" dia. Clevis Bolt, 1/2" dia. Clevis Nut, 1/2" dia. Clevis Washer.



NOTES:  
All beams and cover plates shall be of ASTM A-36 grade structural steel, see S-11 Sheet.  
All connections of diaphragms to beams shall be bolted, using 1/2" high strength bolts in accordance with the Specifications.  
No web stiffeners are required on outside of exterior beams at end bents. Stiffeners are to be parallel to ends of beams. Web stiffeners are required on beams adjacent to interior bents, see Section S-11.

PROJECT NO. 83023206  
HAYWOOD COUNTY  
STATION: 14+77.55 - L4

STATE OF NORTH CAROLINA  
STATE HIGHWAY COMMISSION  
RALEIGH  
STRUCTURAL STEEL  
DETAILS

SEPT., 1966

DRAWN BY: Joyce Correll DATE: 2/1/67  
CHECKED BY: B. M. W. A. DATE: 7/1/67

Rev. #1: Correct Slope Lengths

BEARING PLATE DETAILS  
Required: P1-36, P2-15, P3-11, P4-1  
P5-7, P6-2, P7-1, P8-12, P9-9, P10-6

COUNTY  
MISSION

184  
SHEET NO. 2-2(15)  
TOTAL SHEETS 80/240

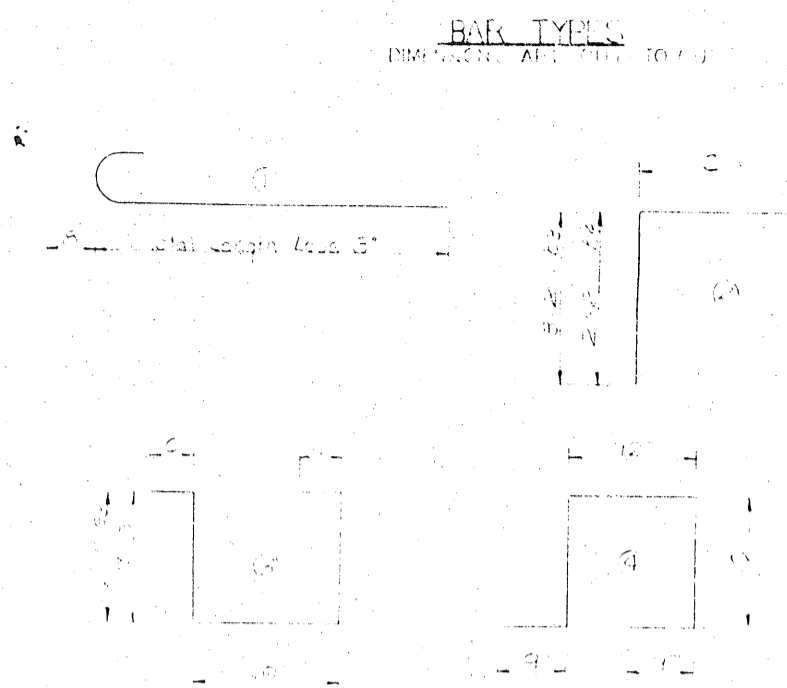
80/240

BILL OF MATERIAL

BAR DETAILS

FED. ROAD DIST. NO.	STATE	PROJECT NO.
3	N. C.	8.3023206
AFD-12-2(15)		

SPAN A					SPAN B					SPAN C									
BAR NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR NO.	SIZE	TYPE	LENGTH	WEIGHT
Q1	5/8	I	24	1.2	Q6	1/2	I	24	1.2	Q11	3/4	I	24	1.2	Q16	1/2	I	24	1.2
Q2	5/8	I	24	1.2	Q7	1/2	I	24	1.2	Q12	3/4	I	24	1.2	Q17	1/2	I	24	1.2
Q3	5/8	I	24	1.2	Q8	1/2	I	24	1.2	Q13	3/4	I	24	1.2	Q18	1/2	I	24	1.2
Q4	5/8	I	24	1.2	Q9	1/2	I	24	1.2	Q14	3/4	I	24	1.2	Q19	1/2	I	24	1.2
Q5	5/8	I	24	1.2	Q10	1/2	I	24	1.2	Q15	3/4	I	24	1.2	Q20	1/2	I	24	1.2
Q25	5/8	I	24	1.2	Q30	1/2	I	24	1.2	Q35	3/4	I	24	1.2	Q40	1/2	I	24	1.2



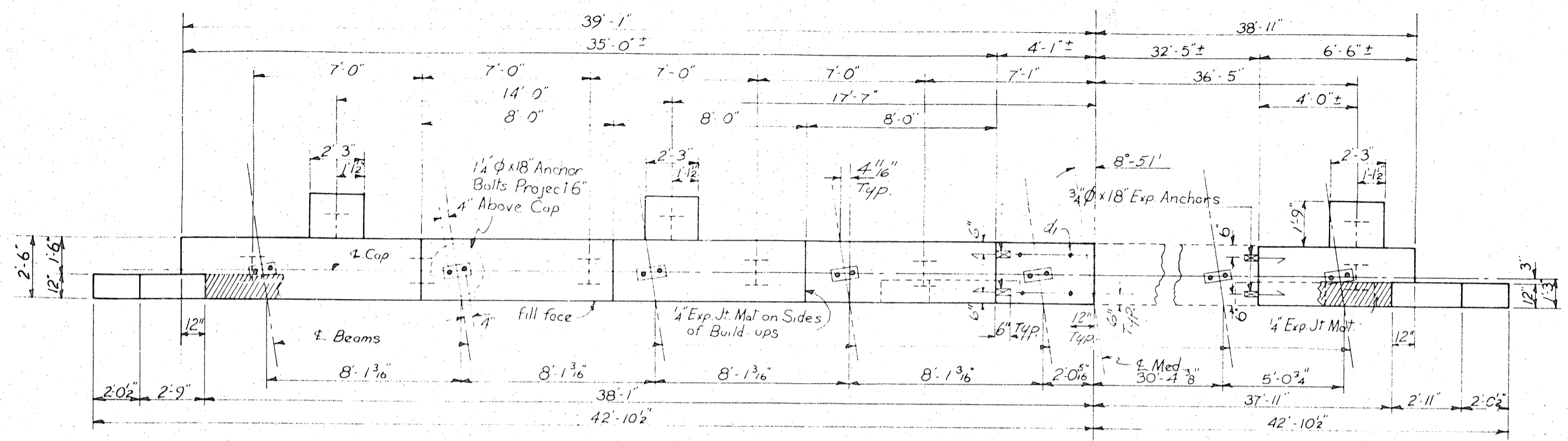
Span A	11.2	24.1
Span B	11.2	24.1
Span C	11.2	24.1
Span D	11.2	24.1
Span E	11.2	24.1
Span F	11.2	24.1
Span G	11.2	24.1
Span H	11.2	24.1
Span I	11.2	24.1
Span J	11.2	24.1
Span K	11.2	24.1
Span L	11.2	24.1
Span M	11.2	24.1
Span N	11.2	24.1
Span O	11.2	24.1
Span P	11.2	24.1
Span Q	11.2	24.1
Span R	11.2	24.1
Span S	11.2	24.1
Span T	11.2	24.1
Span U	11.2	24.1
Span V	11.2	24.1
Span W	11.2	24.1
Span X	11.2	24.1
Span Y	11.2	24.1
Span Z	11.2	24.1
Total	11.2	24.1

PROJECT NO. 8.3023206  
 HAYWOOD COUNTY  
 STATION: 14+77.55

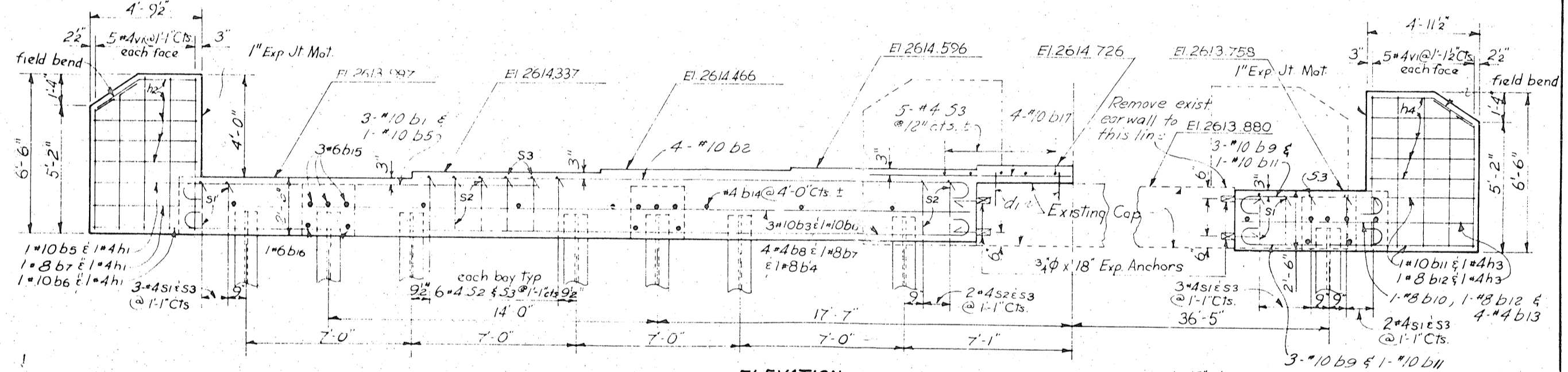
STATE OF NORTH CAROLINA  
 STATE HIGHWAY COMMISSION  
 RALEIGH  
 BILL OF MATERIAL

DESIGNED BY: *Charles D. King Jr.* DATE: April 1961  
 DRAWN BY: *S. W. W. Lee* DATE: May 1961  
 CHECKED BY: *S. W. W. Lee* DATE: May 1961

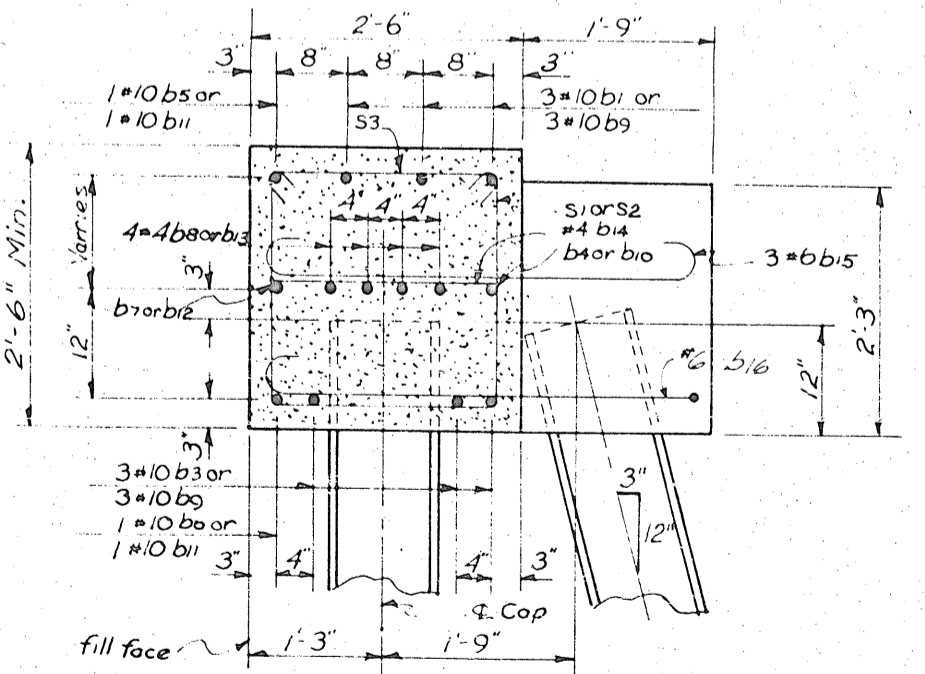
DATE	1961	SHEET NO.	186
APPROVED BY:	ASST. CHIEF ENGINEER BRIDGES	TOTAL SHEETS	545
APPROVED BY:	CHIEF ENGINEER	SHEET	80
DATE		TOTAL SHEETS	250



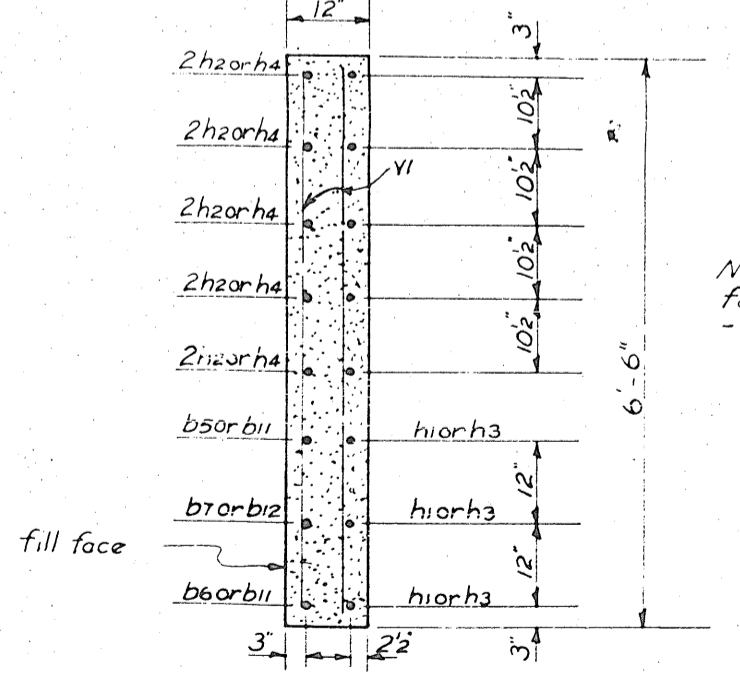
**PLAN OF CAP**



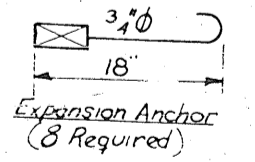
**ELEVATION**



**SECTION THRU CAP**



**SECTION THRU EARWALL**



BAR DETAILS					BILL OF MATERIAL					
All Dimensions Are Out To Out										
BAR NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR NO.	SIZE	TYPE	LENGTH	WEIGHT	
Hk (1)	34'-8"	#10	2	17'-8"	228	b1	#10	2	17'-8"	228
b3	34'-8"	#10	2	25'-1"	432	b2	#10	2	25'-1"	432
b5	3'-11"	#8	1	37'-6"	484	b3	#10	1	37'-6"	484
b9	6'-2"	#8	1	34'-8"	93	b4	#8	1	34'-8"	93
b1	16'-3"	#10	2	19'-10"	85	b5	#10	2	19'-10"	85
b2	23'-8"	#10	2	39'-10"	171	b6	#8	str	38'-5"	103
b6	38'-5"	#10	1	18'-0"	96	b8	#4	str	18'-0"	96
b11	10'-1"	#8	str	6'-2"	16	b9	#10	1	9'-0"	232
b12	10'-1"	#8	str	11'-6"	99	b10	#8	str	6'-2"	16
b13	10'-1"	#8	str	10'-1"	27	b11	#10	2	11'-6"	99
b14	10'-1"	#4	str	6'-2"	13	b12	#4	str	6'-2"	13
b15	10'-1"	#4	str	2'-2"	13	b13	#4	str	6'-2"	13
b16	10'-1"	#6	1	5'-3"	71	b14	#4	str	2'-2"	13
b17	10'-1"	#6	4	11'-11"	50	b15	#6	1	5'-3"	71
h1	5'-0"	#4	str	7'-0"	120	b16	#6	4	11'-11"	50
h2	5'-0"	#4	str	5'-0"	10	b17	#10	str	7'-0"	120
h3	5'-2"	#4	str	5'-2"	10	h1	#4	str	5'-0"	10
h4	4'-7"	#4	str	4'-7"	31	h2	#4	str	5'-0"	10
s1	7'-3"	#4	3	7'-3"	68	h3	#4	str	5'-2"	10
s2	7'-11"	#4	3	7'-11"	106	h4	#4	str	4'-7"	31
s3	2'-11"	#4	5	2'-11"	76	s1	#4	3	7'-3"	68
vi	6'-2"	#4	str	6'-2"	82	s2	#4	3	7'-11"	106
d1	1'-6"	#6	str	1'-6"	9	s3	#4	5	2'-11"	76
Reinforcing Steel Lbs. 2758					Class 'A' Conc. Cu. Yds. 14.0					
12H53 Steel Piles No. 9					Lin. Ft. 450					
440' 6"										

Note: If Field Splice is required for 12H53 Steel Piles, see "Detail" - End Bent No. 2, Sta. 66+72.28 L2.

DIVISION OF CONCRETE		
Pour No.	Cu. Yds.	
1. Left Extension	11.1	
2. Right Extension	2.9	
<b>Total</b>	<b>14.0</b>	

PROJECT No. 8.3023206  
HAYWOOD COUNTY  
STATION: 14+77.55 L4

STATE OF NORTH CAROLINA  
**STATE HIGHWAY COMMISSION**  
RALEIGH  
**SUBSTRUCTURE**  
**END BENT NO. 1**

April, 1967

REVISIONS					SHEET NO.
NO.	BY	DATE	NO.	DATE	
1			3		8-46
2			4		

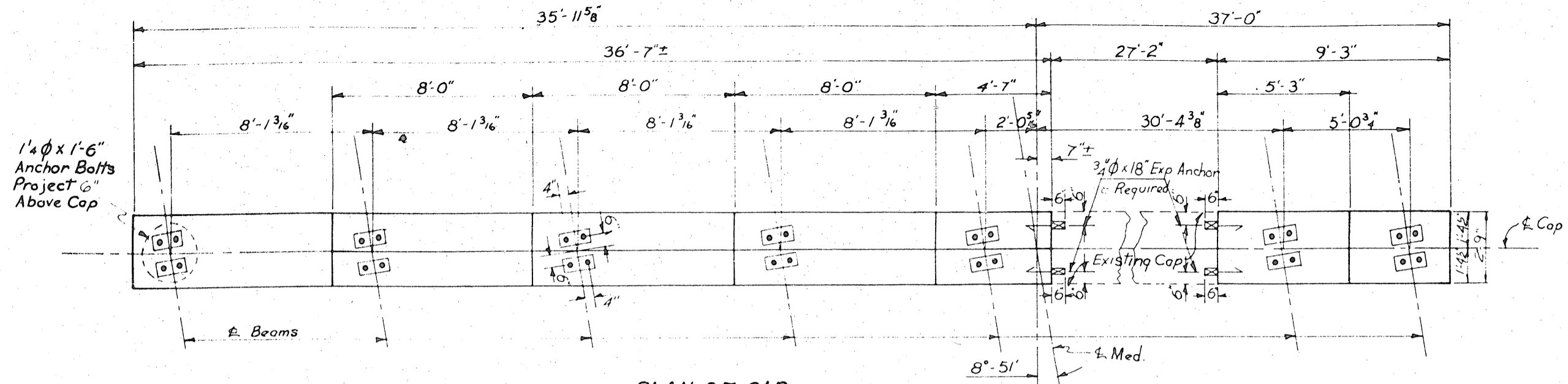
DRAWN BY: Dave H. Decker, Jr. DATE: Apr. 1967  
CHECKED BY: [Signature] DATE: May, 1967

83023206  
COUNTY  
COMMISSION  
SERIAL

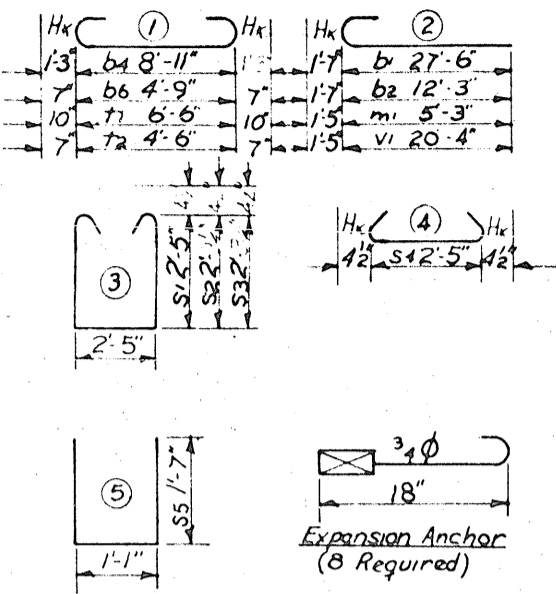
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50
122
10
30
10
31
68
100
76
82
9
2758
14.0
2
450
2

FED. ROAD DIV. NO.	STATE	PROJECT NO.
5	N.C.	3023206
F. A. PROJECT HFD 12-2 (12)		

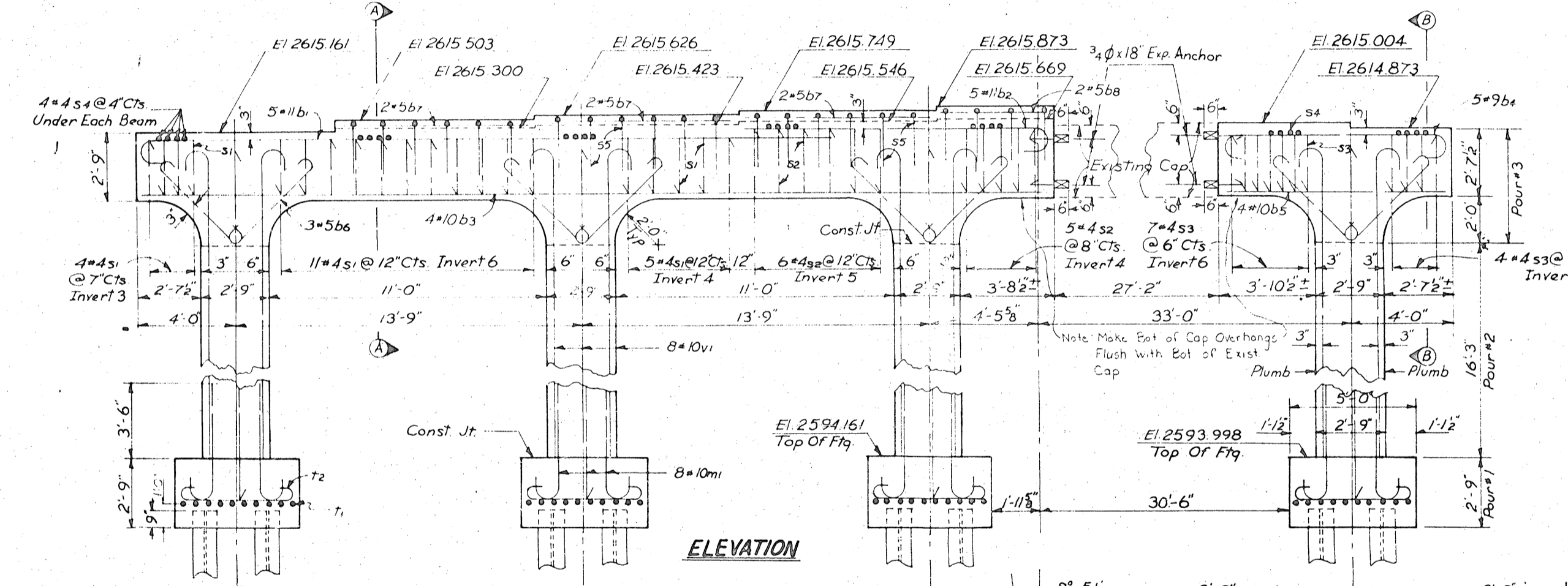


PLAN OF CAP

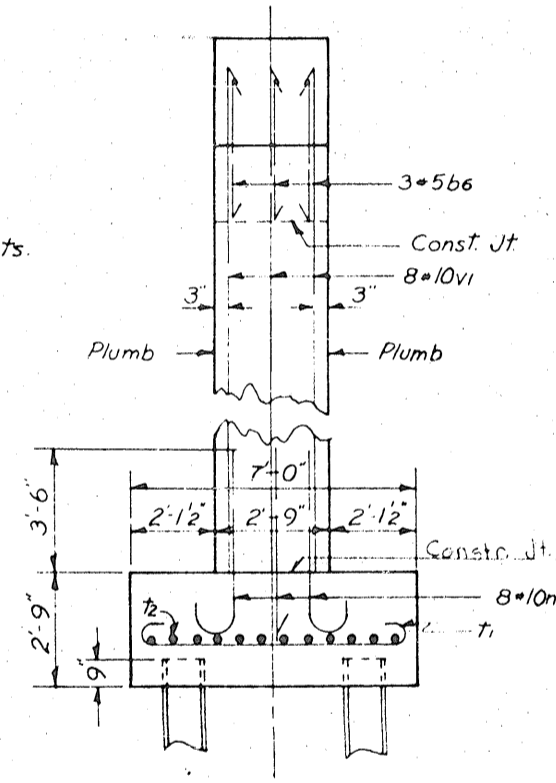


BAR DETAILS

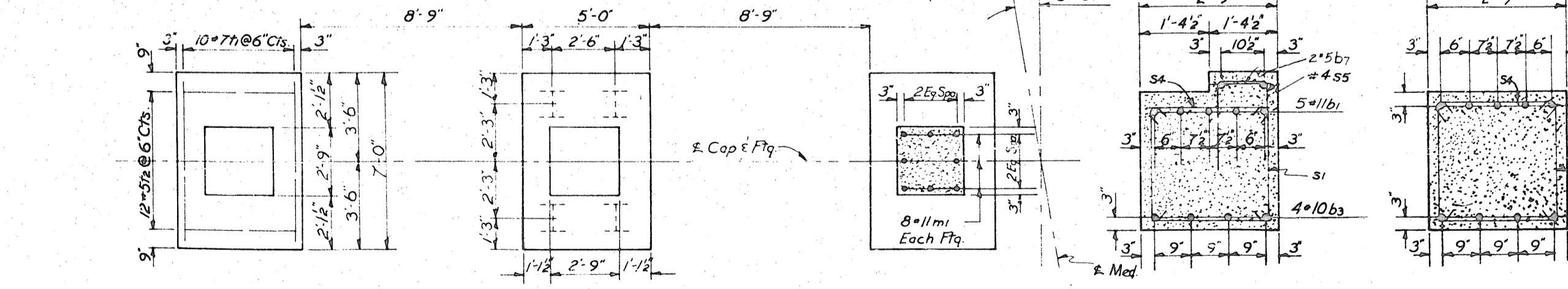
All Bar Dimensions Are Out to Out



ELEVATION



END ELEVATION



PLAN OF FOOTINGS

SECTION AA

SECTION BB

BILL OF MATERIAL FOR BENT NO. 1

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
b1	5	#11	2	29'-1"	773
b2	5	#11	2	13'-10"	367
b3	4	#10	str.	36'-3"	624
b4	5	#9	1	11'-3"	194
b5	4	#10	str.	8'-11"	153
b6	24	e.	1	5'-11"	148
b7	6	#5	str.	7'-8"	48
b8	2	#5	str.	4'-3"	9
m1	32	#10	2	6'-8"	918
s1	20	#4	3	8'-6"	107
s2	17	#4	3	8'-9"	22
s3	11	#4	3	7'-9"	57
s4	28	#4	4	3'-2"	59
s5	22	#4	5	4'-3"	62
t1	40	#7	1	8'-2"	668
t2	48	#5	1	5'-8"	284
v1	32	#10	2	21'-9"	2995

Reinforcing Steel Lbs. 7530  
Class 'A' Concrete Cu. Yds. 42.4  
12H53 Steel Piles No. 16  
Lim. Ft. 400  
2'12'-3"

DIVISION OF CONCRETE	
Pour No.	Cu. Yds.
1. Footings	17.3
2. Columns	18.2
3. Cap	16.9
Total	49.4

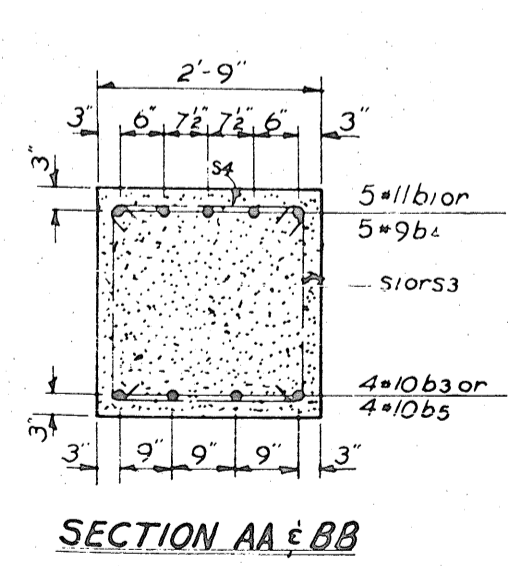
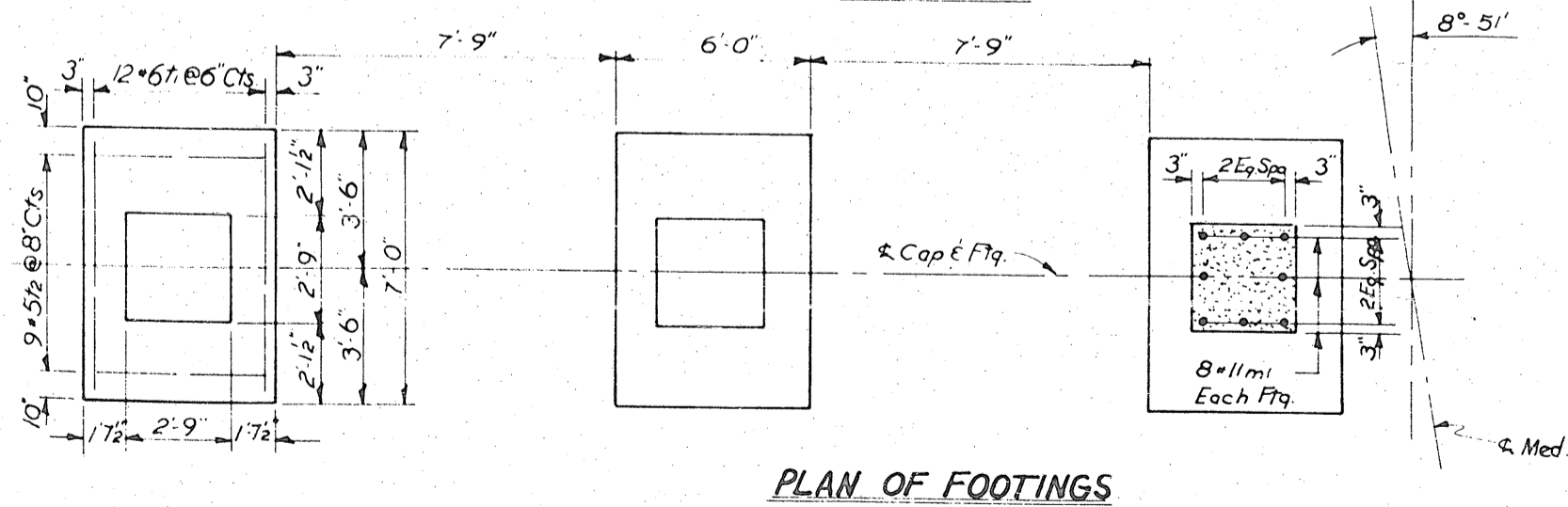
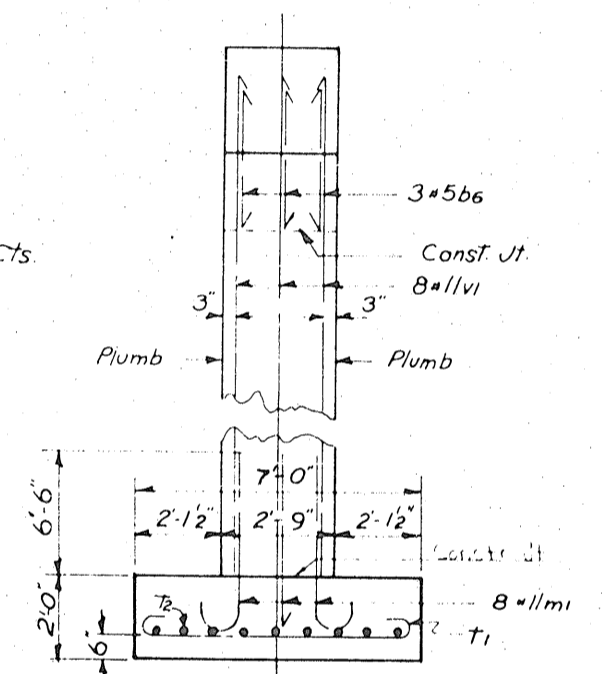
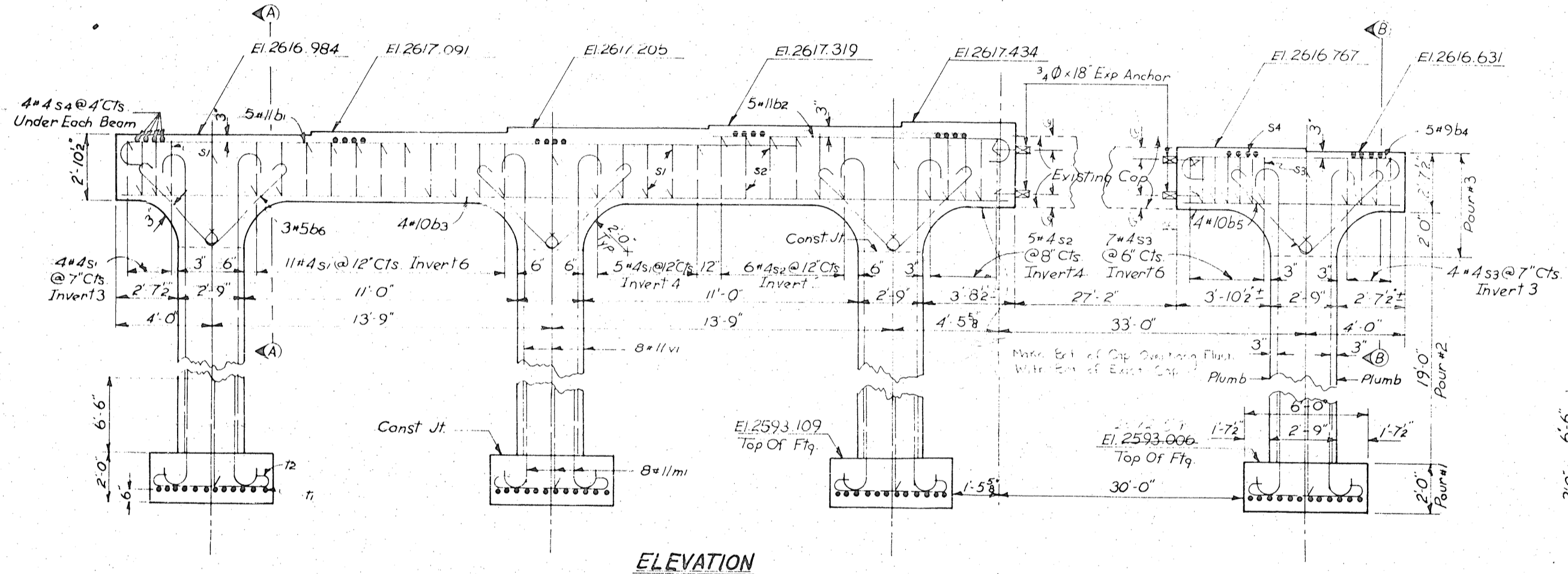
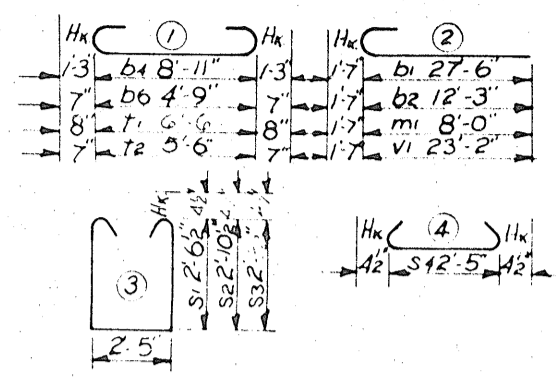
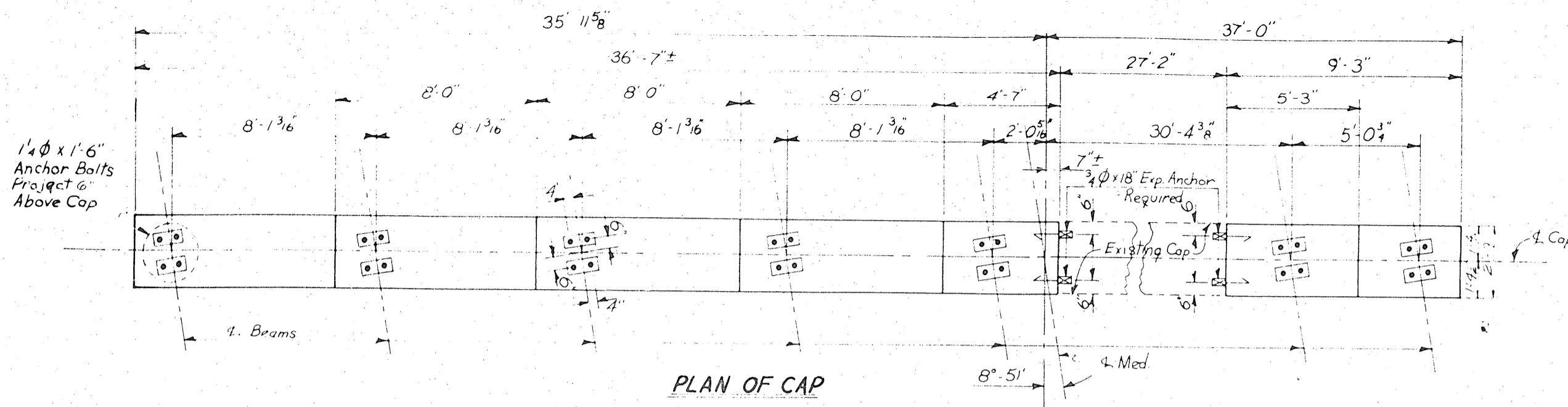
PROJECT No. 8.3023206  
HAYWOOD COUNTY  
STATION: 14+77.55-L4

STATE OF NORTH CAROLINA  
STATE HIGHWAY COMMISSION  
RALEIGH  
SUBSTRUCTURE  
INTERIOR BENT  
NO. 1  
April, 1967

REVISIONS		SHEET NO.	
NO.	BY	NO.	DATE
1		5	47
2		3	
		4	
TOTAL SHEETS			30 268

DRAWN BY: Dave H. LARKET, JR. DATE: 1967  
CHECKED BY: M. W. L. DATE: 1967





BILL OF MATERIAL FOR BENT NO. 2					
BAR	NO	SIZE	TYPE	LENGTH	WEIGHT
b1	5	#11	2	29'-1"	773
b2	5	#11	2	13'-10"	367
b3	4	#10	str	36'-3"	624
b4	5	#9	1	11'-5"	194
b5	4	#10	str	8'-11"	153
b6	24	#5	1	5'	148
m1	32	#11	2	9'-7"	1629
s1	20	#4	3	8'-3"	110
s2	11	#4	3	8'-11"	62
s3	11	#4	3	7'-9"	57
s4	28	#4	4	3'-2"	59
t1	48	#6	1	7'-10"	565
t2	36	#5	1	6'-2"	255
v1	32	#11	2	24'-9"	4208

Reinforcing Steel Lbs. 9,120  
Class "A" Concrete Cu Yds. 50.6  
524

DIVISION OF CONCRETE		
Pour No.		Cu. Yds.
1	Footings	11.2
2	Columns	21.3
3	Cap	16.9
Total		50.6

PROJECT No. 8.3023206  
HAYWOOD COUNTY  
STATION: 14+77.55-14

STATE OF NORTH CAROLINA  
STATE HIGHWAY COMMISSION  
RALEIGH  
SUBSTRUCTURE  
INTERIOR BENT  
NO. 2  
April, 1967

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

SHEET NO. 5-48  
TOTAL SHEETS 80

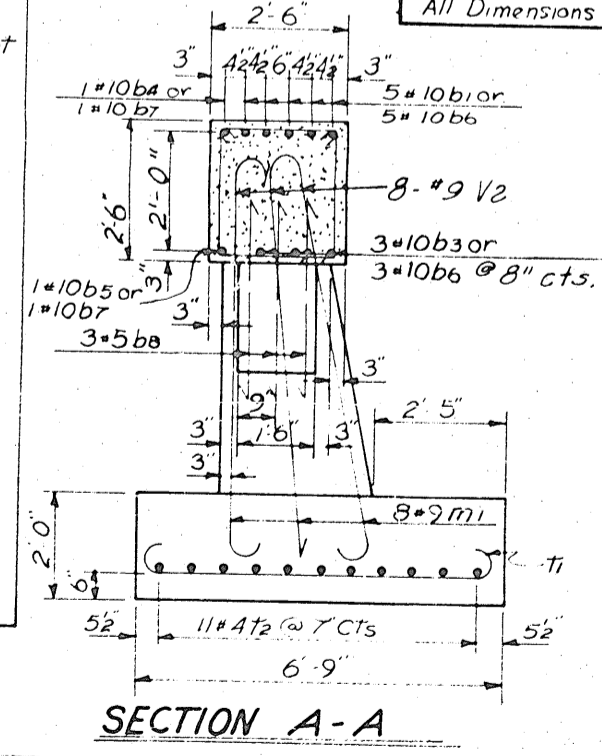
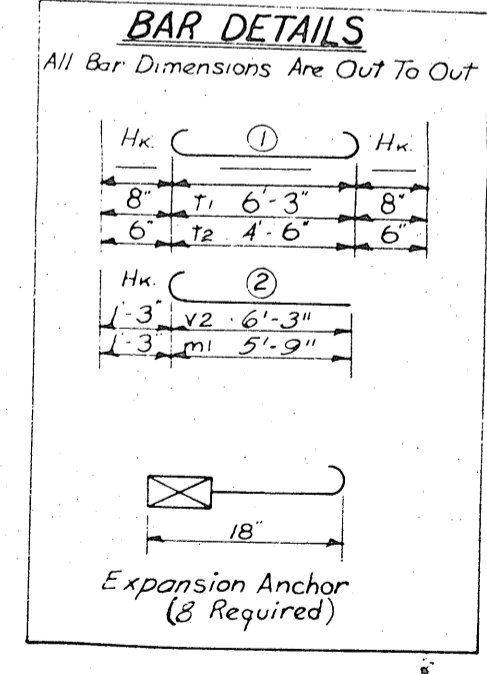
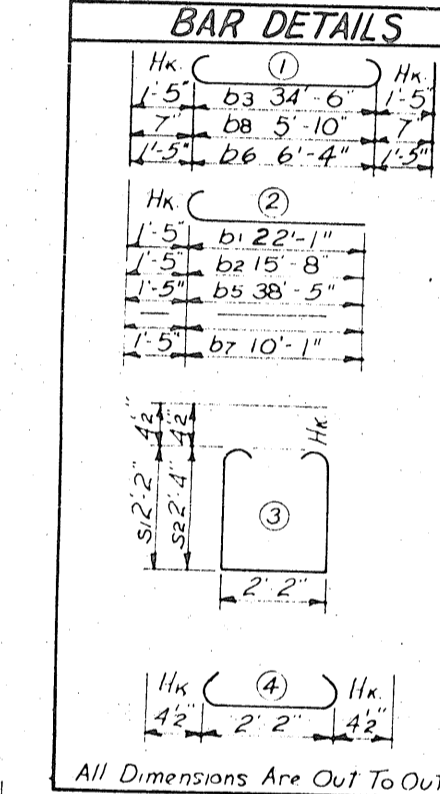
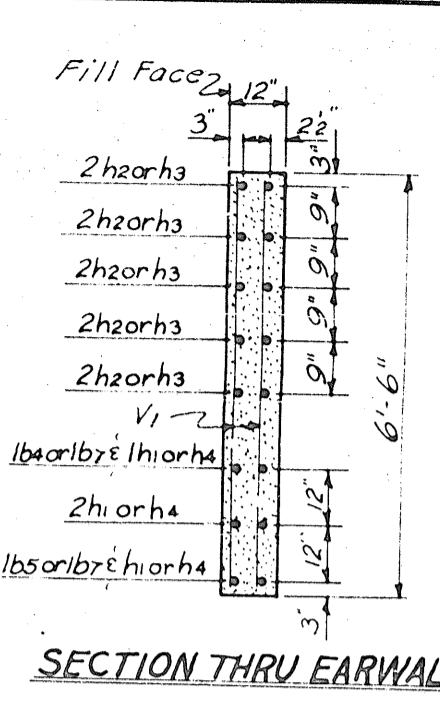
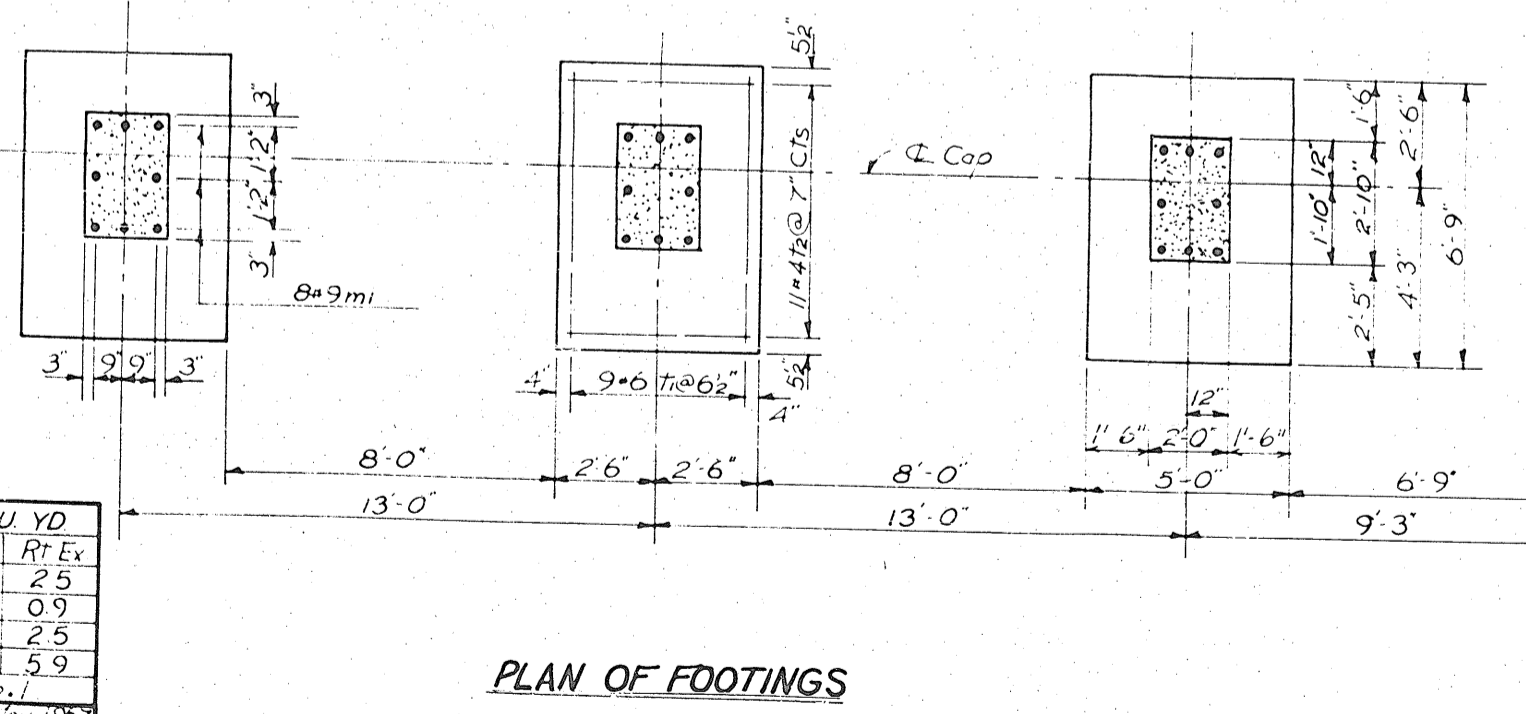
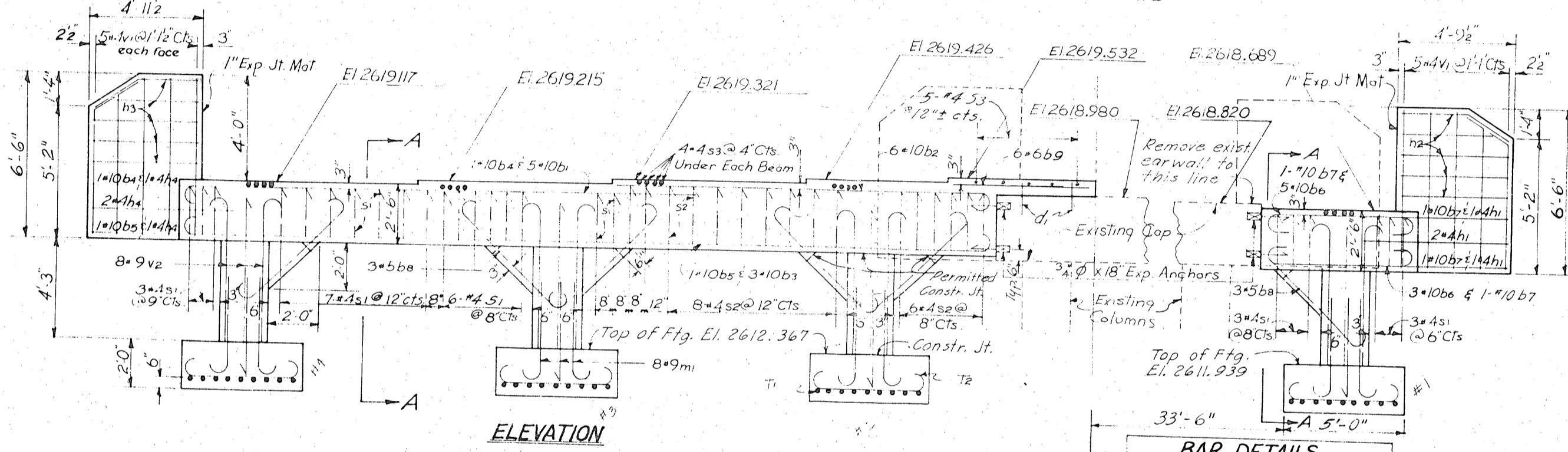
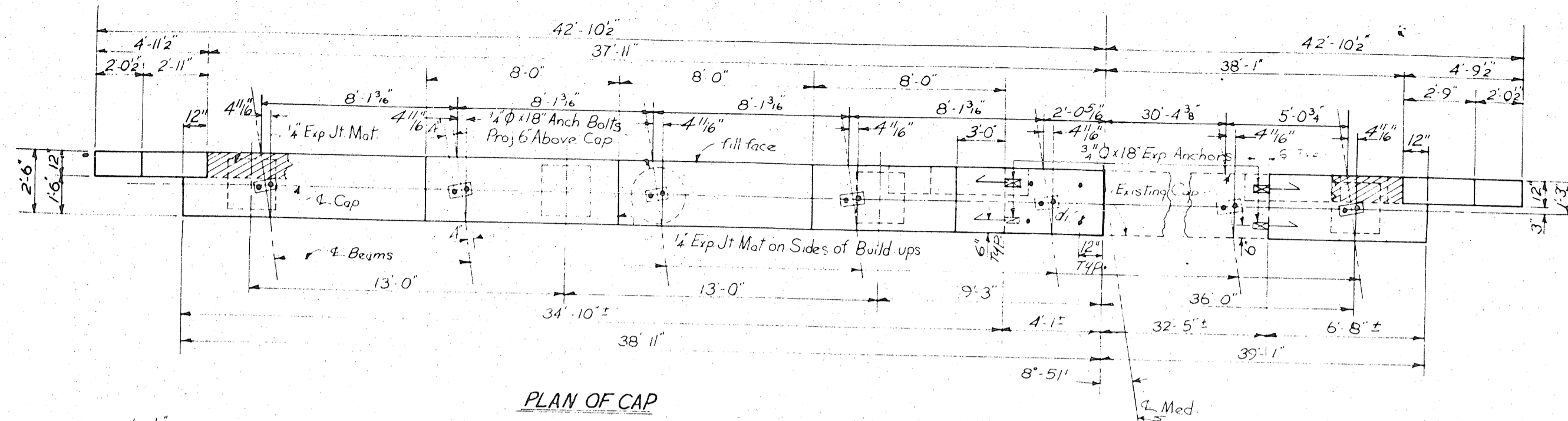
DRAWN BY: Dave H. Harnett, Jr. DATE: Apr. 1967  
CHECKED BY: [Signature] DATE: [Signature]

773
367
624
194
153
148
1629
110
56
53
59
59
26
9' 4208

3206  
COUNTY  
14  
SECTION

DIVISION OF CONCRETE CU. YD		
Pour No.	Lt Ex	Rt Ex
1. Footings	7.5	2.5
2. Columns	2.9	0.9
3. Cap	9.8	2.5
Sub Total	20.2	5.9
Total	26.1	

DRAWN BY: Dave Lockett Jr. DATE: May 1967  
CHECKED BY: E. M. White DATE: May 1967



FED. ROAD DIV. NO.	STATE	PROJECT NO.
3	NC	83023206
P. A. PROJECT APD 12-2(15)		

BILL OF MATERIAL					
END BENT NO. 2					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
b1	5	#10	2	23'-6"	506
b2	6	#10	2	17'-1"	441
b3	3	#10	1	37'-4"	482
b4	1	#10	-	26'-1"	112
b5	1	#10	-	39'-10"	171
b6	8	#10	1	9'-2"	316
b7	2	#10	2	11'-6"	99
b8	18	#5	1	7'-0"	131
b9	6	#6	str	6'-9"	61
h1	4	#4	str	5'-0"	13
h2	10	#4	str	4'-5"	30
h3	10	#4	str	4'-7"	31
h4	4	#4	str	5'-3"	14
m1	32	#9	2	7'-0"	762
s1	24	#4	3	7'-3"	116
s2	16	#4	3	7'-7"	81
s3	25	#4	4	2'-11"	49
t1	36	#6	1	7'-7"	410
t2	14	#4	1	5'-5"	162
v1	20	#4	str	6'-2"	82
v2	32	#9	2	7'-6"	816
d1	4	#6	str	1'-3"	8

Reinforcing Steel Lbs. 4893  
Class 'A' Concrete Cu. Yds. 26.1  
27.96

PROJECT No. 83023206  
HAYWOOD COUNTY  
STATION: 14+77.55L4

STATE OF NORTH CAROLINA					
STATE HIGHWAY COMMISSION					
RALEIGH					
SUBSTRUCTURE					
END BENT NO. 2					
May 1967					
REVISIONS					
NO.	BY	DATE	NO.	BY	DATE
1			3		
2			4		

SHEET NO. 190  
TOTAL SHEETS 802LB

PROJECT NO.  
83023206  
2 (15)

**MATERIAL**

LENGTH	WEIGHT
29'-1"	773
13'-10"	367
36'-3"	624
11'-5"	194
8'-11"	153
5'-11"	148
7'-8"	18
6'-8"	918
8'-1"	107
8'-9"	107
7'-1"	57
3'-2"	59
4'-3"	62
8'-2"	668
5'-8"	284
21'-9"	2995

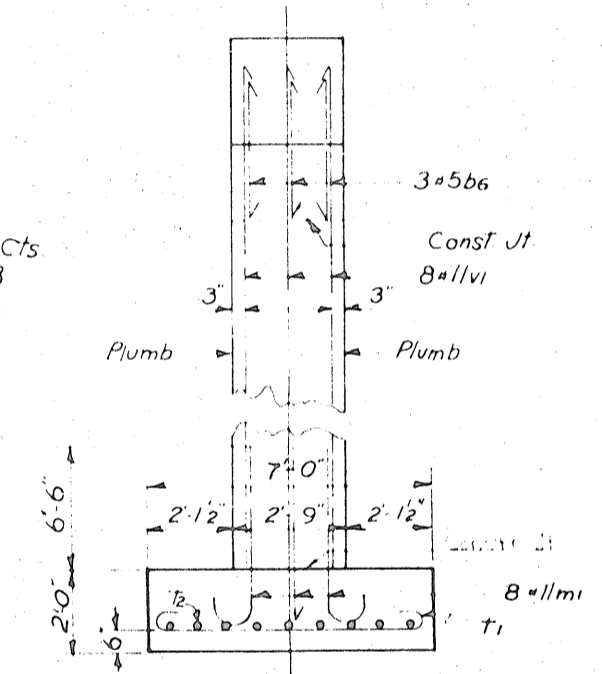
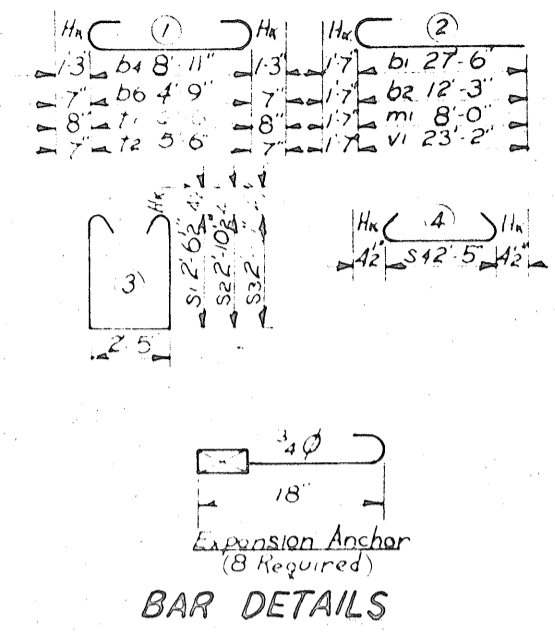
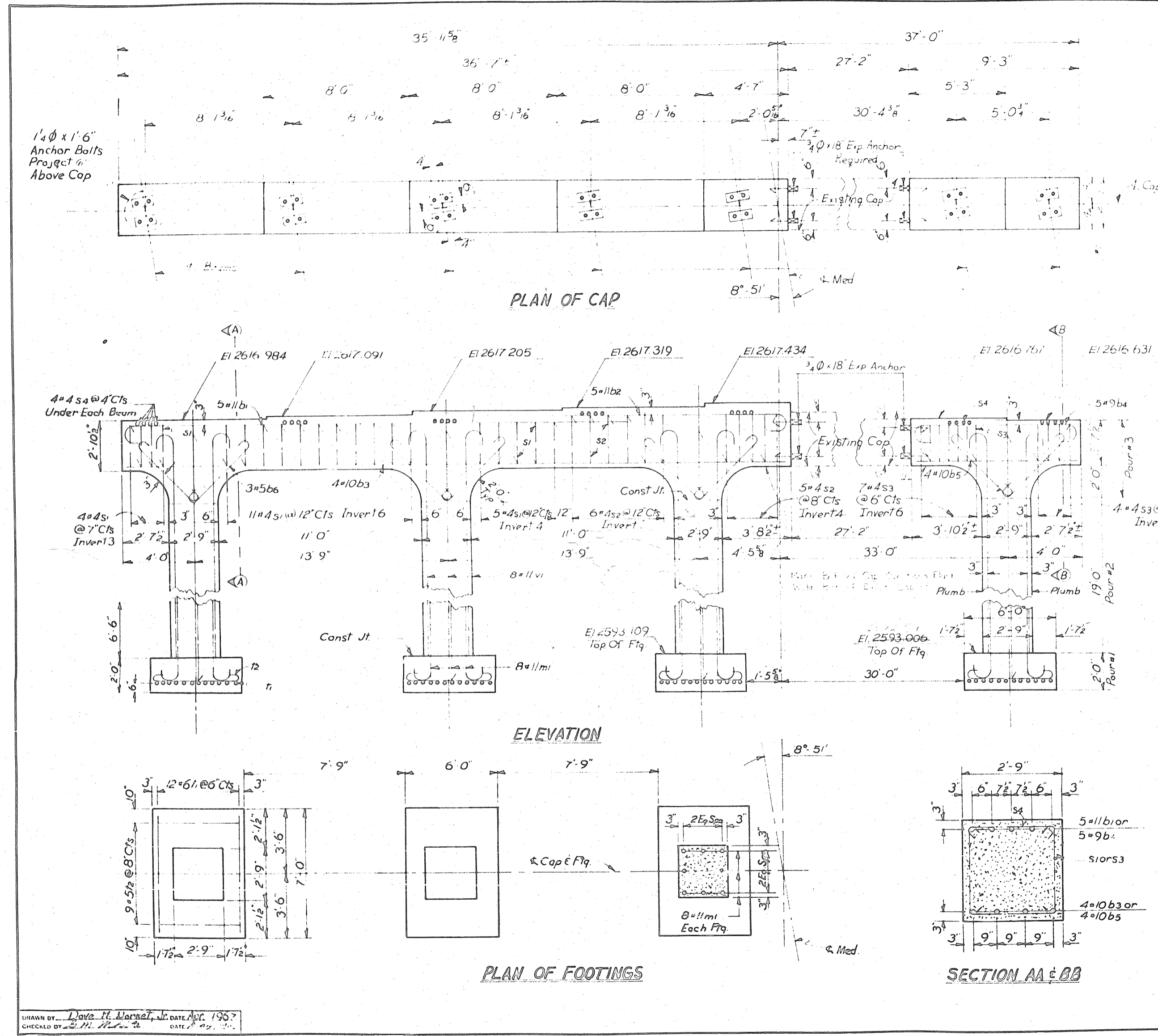
Net Lbs. 7530  
Net Cu Yds. 44.4  
Sms No. 16  
Lin Ft. 400

CONCRETE	Cu Yds
14.3	
18.2	
16.9	
51.4	

83023206  
HAYWOOD COUNTY  
17.55-L4

PERMISSION  
DATE

SHEET NO. 29  
TOTAL SHEETS 89



FED. ROAD DIV. NO.	STATE	PROJECT NO.
0	N.C.	83023206

**BILL OF MATERIAL FOR BENT NO. 2**

BAR	NO	SIZE	TYPE	LENGTH	WEIGHT
b1	5	#11	2	29'-1"	773
b2	5	#11	2	13'-10"	367
b3	4	#10	str	36'-3"	624
b4	5	#9	1	11'-5"	194
b5	4	#10	str	8'-11"	153
b6	24	#5	1	5'-11"	148
m1	32	#11	2	9'-7"	1629
s1	20	#4	3	8'-3"	107
s2	11	#4	3	8'-11"	107
s3	11	#4	3	7'-1"	57
s4	28	#4	4	3'-2"	59
t1	48	#6	1	7'-10"	668
t2	36	#5	1	6'-8"	284
vi	32	#11	2	24'-9"	4208

Reinforcing Steel Lbs. 9,524  
Class "A" Concrete Cu Yds. 52.4

DIVISION OF CONCRETE		
Pour No		Cu Yds
1	Footings	12.4
2	Columns	21.3
3	Cap	16.9
Total		50.6

PROJECT NO. 8.3023206  
HAYWOOD COUNTY  
STATION: 14+77.55-L4

STATE OF NORTH CAROLINA  
STATE HIGHWAY COMMISSION  
RALEIGH  
SUBSTRUCTURE  
INTERIOR BENT  
NO. 2

April, 1967

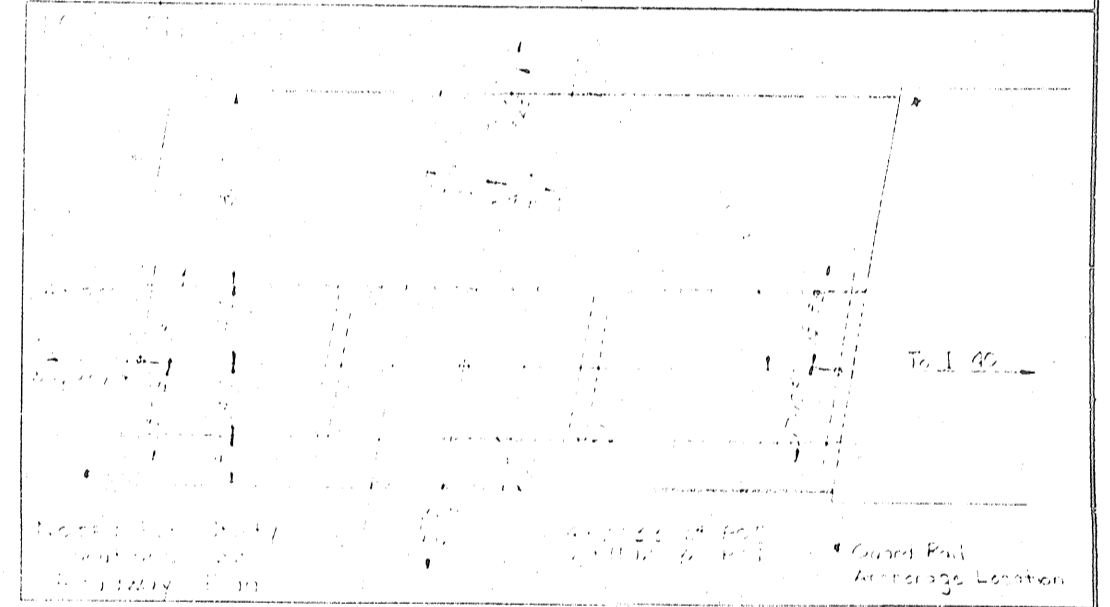
REVISIONS					
NO.	BY	DATE	NO.	BY	DATE
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2			4		

DRAWN BY: Dove H. Warrat, J.C. DATE: APR. 1967  
CHECKED BY: S.M. DATE: ...

275  
 TIAL  
 2  
 WEIGHT  
 260  
 77  
 104  
 220  
 194  
 559  
 257  
 278  
 259  
 29  
 13  
 23  
 5  
 17  
 11  
 10  
 14  
 20  
 38  
 127  
 38  
 41

1206  
 COUNTY  
 1-12  
 HIGHWAY  
 179

FED. ROAD DIV. NO.	STATE	PROJECT NO.
3	N.C.	3 2028.108
P.A. PROJECT 44-12-2(15)		



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

PROJECT No. 23023.05  
 COUNTY WASL  
 STATION: 1655.0

STATE OF NORTH CAROLINA  
 STATE HIGHWAY COMMISSION  
 RALEIGH  
 DIVISION OF HIGHWAYS  
 CONTRACT NO. 10280  
 BETWEEN WAINESVILLE AND 40

1967

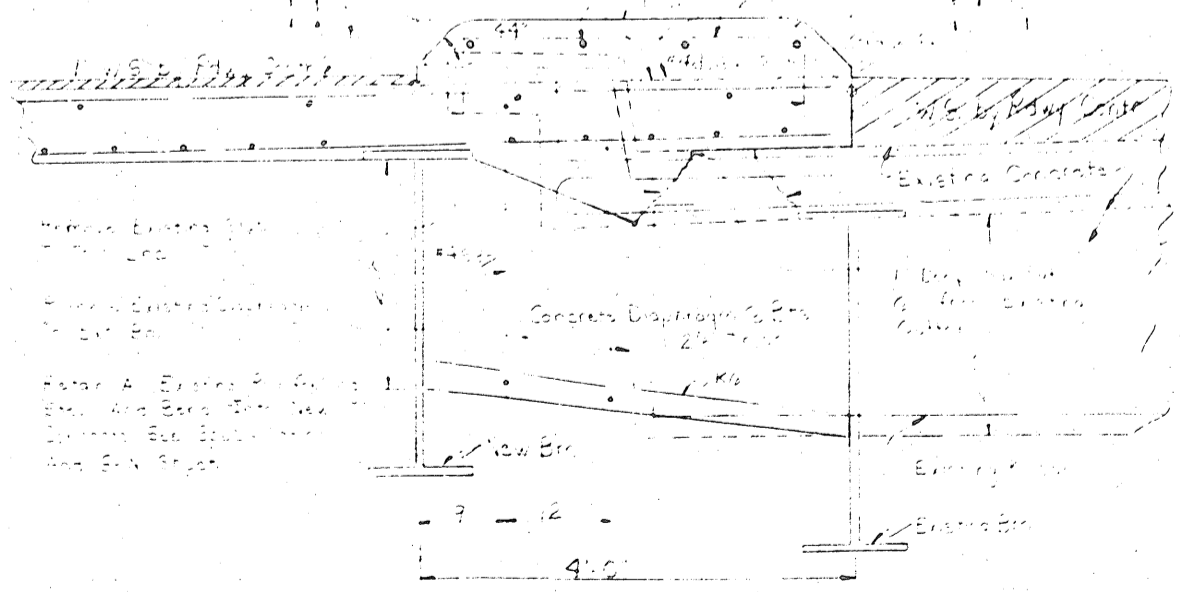
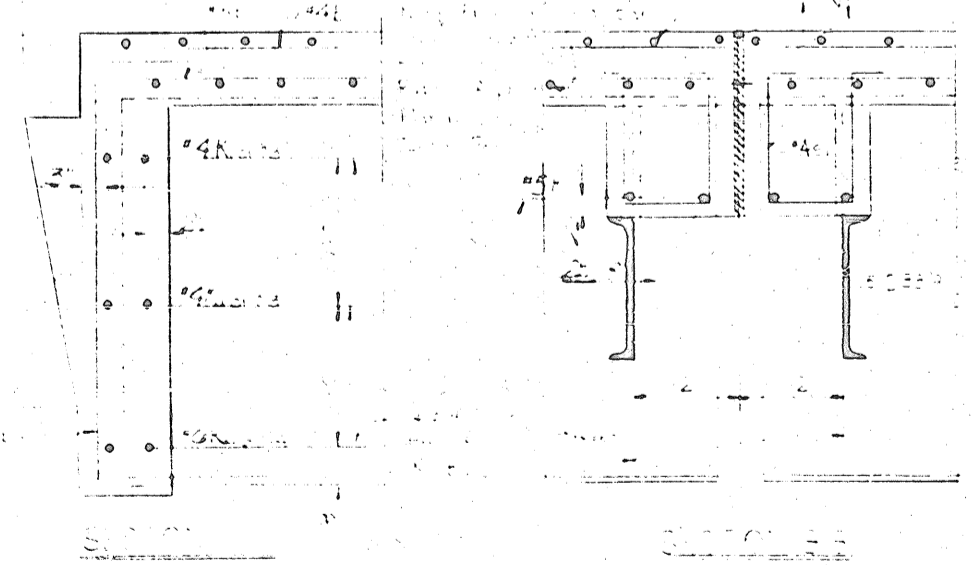
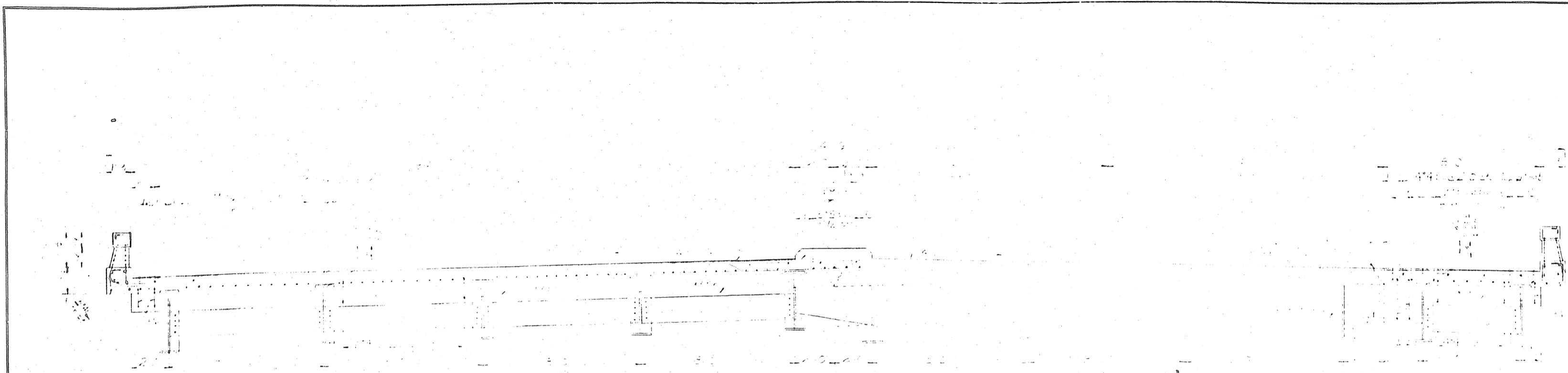
NO.	BY	DATE	NO.	BY	DATE
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2			4		

TOTAL COSTS: 539  
 86-23

DRAWN BY B. M. White DATE 1-12-70  
 CHECKED BY B. M. White DATE 1-12-70

STATE PROJECT NO.  
 N.C. 100-100

FED. ROAD DIST. NO. STATE PROJECT NO.  
 0 N.C. 83023206  
 F. & PROJECT APO-12-2(15)



MEDIAN DETAIL

COUNTY

COMMISSION

PROJECT No. 83023206

RALEIGH COUNTY

STATION: 14+77.55-14-

STATE OF NORTH CAROLINA  
**STATE HIGHWAY COMMISSION**  
 RALEIGH

1-1/2" x 8' SUPERSTRUCTURE  
 12 HOURLY 8'55" L.H. SKEW

FEBRUARY 1967

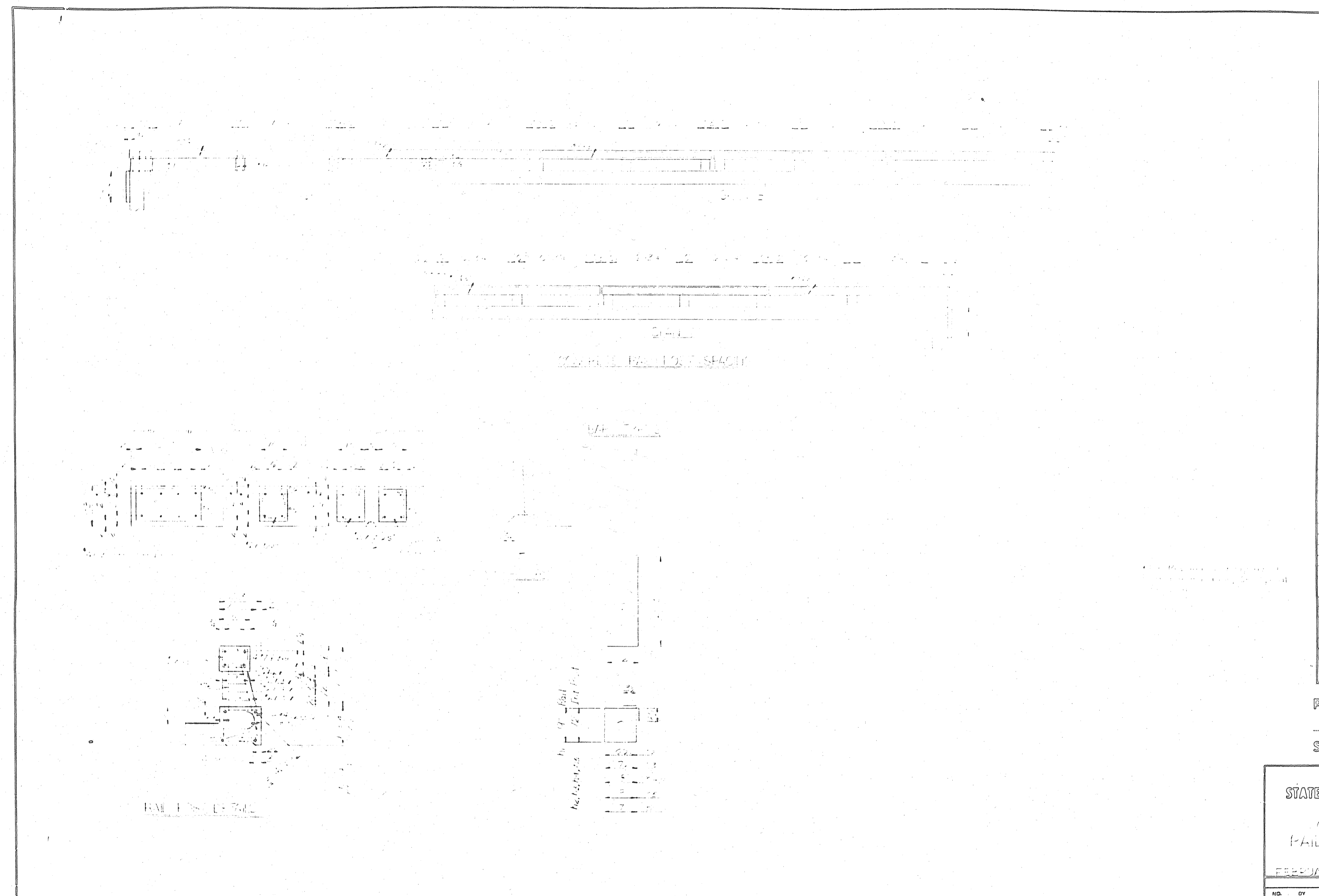
REVISIONS					CHECKED BY
NO.	BY	DATE	NO.	DATE	
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2			4		

TOTAL SHEETS 80-219

DRAWN BY: [Signature] DATE: 1/23/67  
 CHECKED BY: [Signature] DATE: 2/2/67

PROJECT NO.  
23023206

FED. ROAD DIV. NO.	STATE	PROJECT NO.
9	N.C.	23023206
P. A. PROJECT APD-12-2(15)		



BILL OF MATERIAL						
FOR RAIL POST						
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	
1	208	#7		3.5'	453	
2	8	#7	15'	2.2	322	
3	8	#7		3.0	294	
4	44	#7		3.4	752	
5	16	#7		15.0	491	
6	8	#7	15'	17.2	281	
7	548	#2		2.3	297	
8	44	#7		2.11	21	
9	44	#7		3.17	28	
10	44	#7		3.2	28	
11	44	#7		3.4	24	
					Reinforcing Steel Lbs	2987
					Class "A" Concrete Cu Yds	8.4
					Total Concrete Handout	
					Linear Ft	269.83

PROJECT No. 23023206  
 HAYWOOD COUNTY  
 STATION: 14+77.55 - L4-

STATE OF NORTH CAROLINA  
 STATE HIGHWAY COMMISSION  
 RALEIGH

CONCRETE  
 RAIL POST SPACING

FEBRUARY 1967

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

SHEET NO. 5-41  
 TOTAL SHEETS 96-206

COUNTY

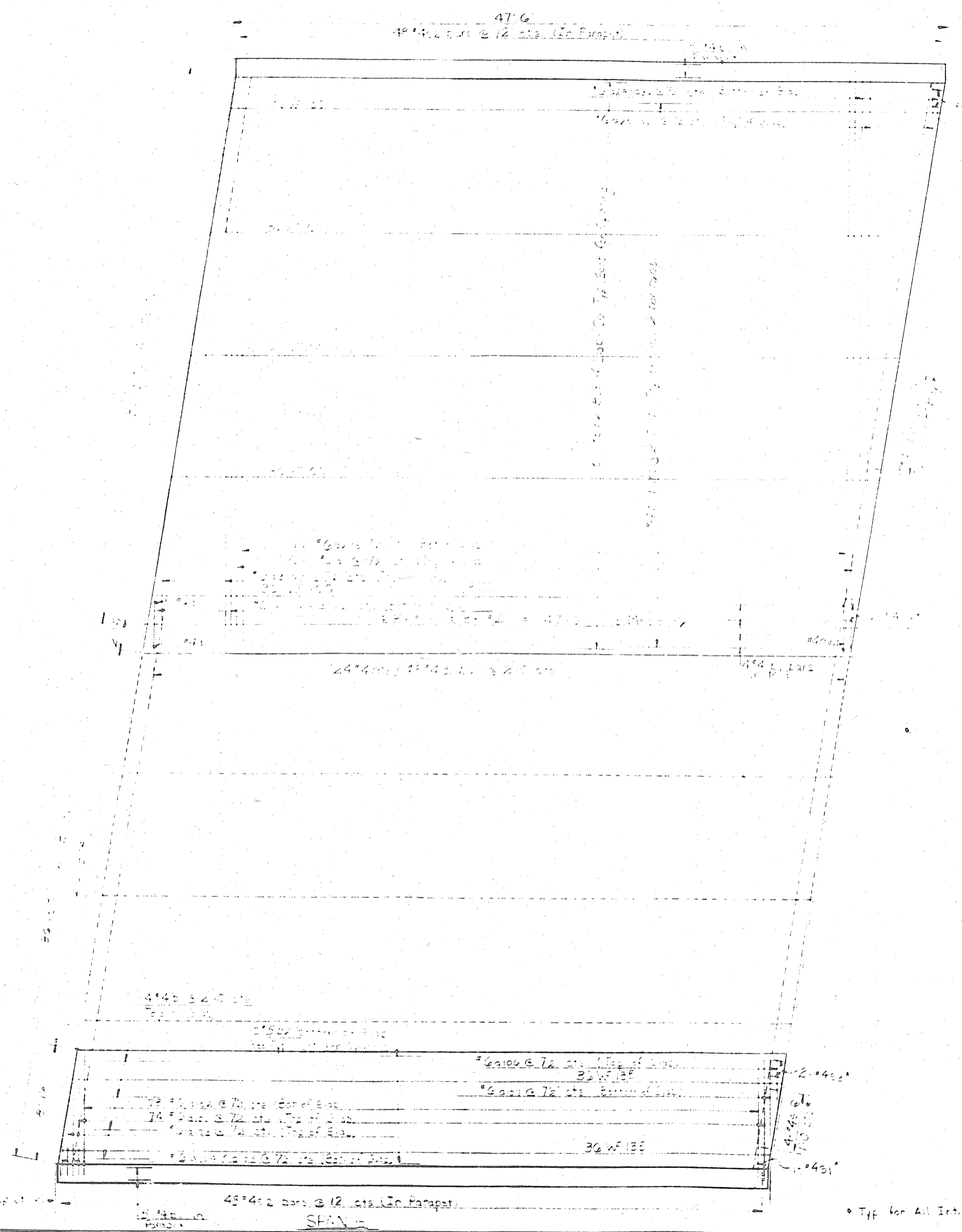
MISSION

131  
 248

DRAWN BY: [Signature] DATE: [Date]  
 CHECKED BY: [Signature] DATE: [Date]

SOUTHERLAND BLUE PRINT CO. CHARLOTTE N. C. 28203

PROJ. ROAD DIV. NO.	STATE	PROJECT NO.
0	N.C.	83023206
P. A. PROJECT APP. 12-2-15		



DRAWN BY: [Signature] DATE: 12/12/15  
 CHECKED BY: [Signature] DATE: 12/12/15  
 SOUTHERN BRIDGE CO., CHARLOTTE, N.C. 28213

PROJECT NO. 83023206  
 WOOD COUNTY  
 STATION: 4177.99

STATE OF NORTH CAROLINA  
 STATE HIGHWAY COMMISSION  
 RALEIGH

STRUCTURE  
 SPAN B

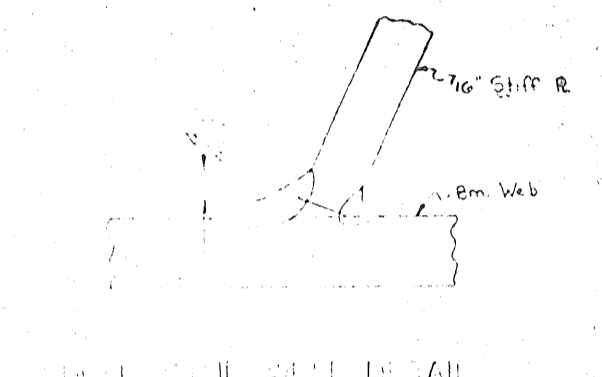
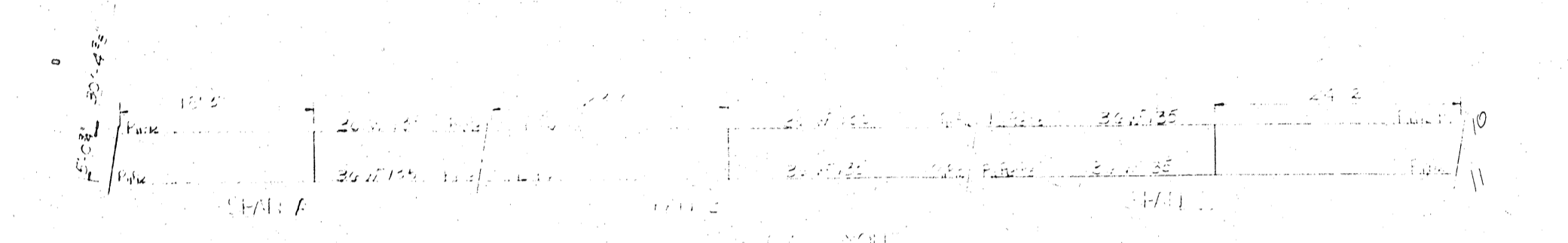
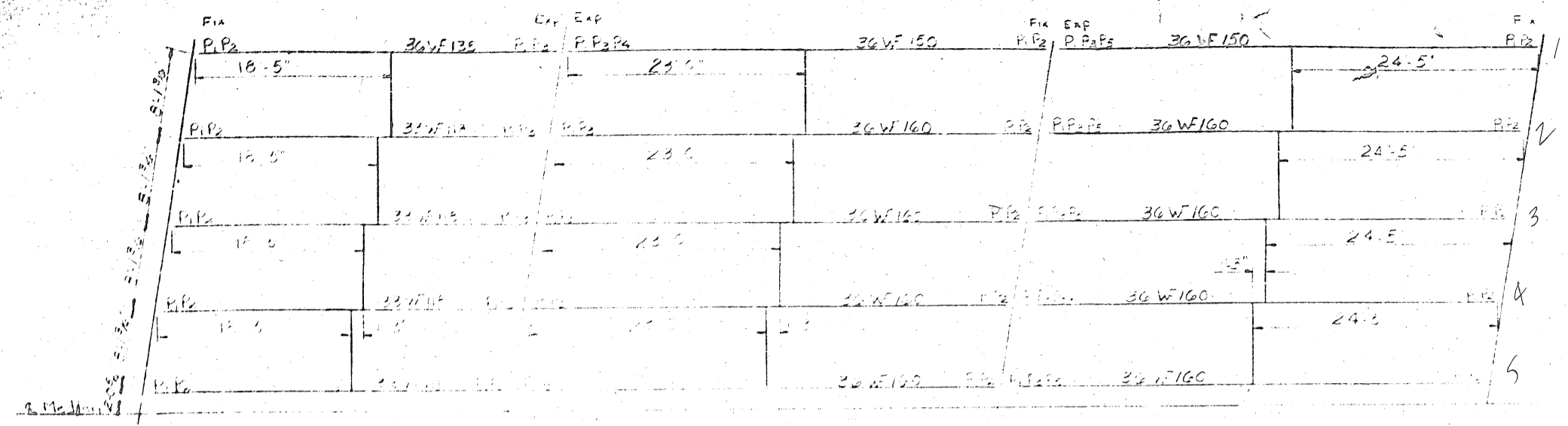
FEBRUARY 1967

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

TOTAL SHEETS: 543  
 SHEET NO.: 802

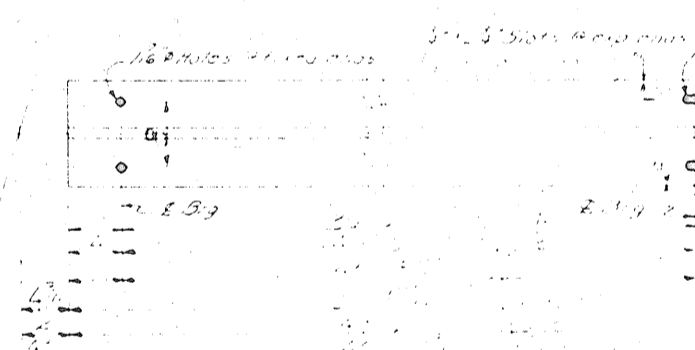
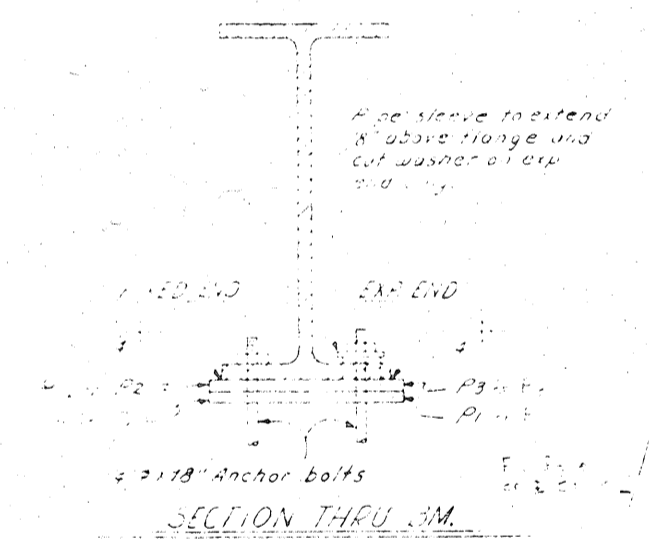
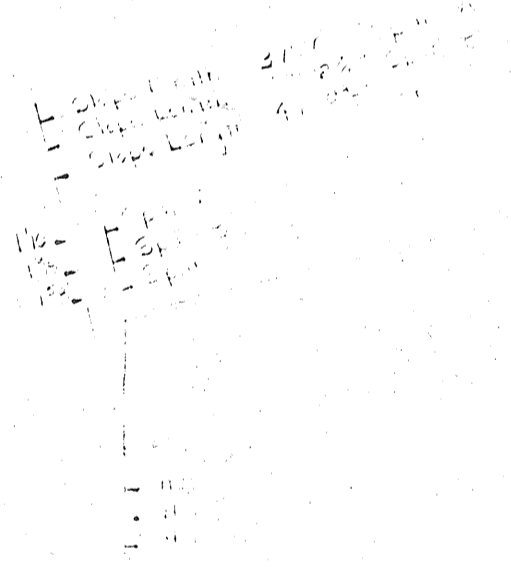
• Typ for All Int. Br. Dimensions

PROJECT NO.  
3206

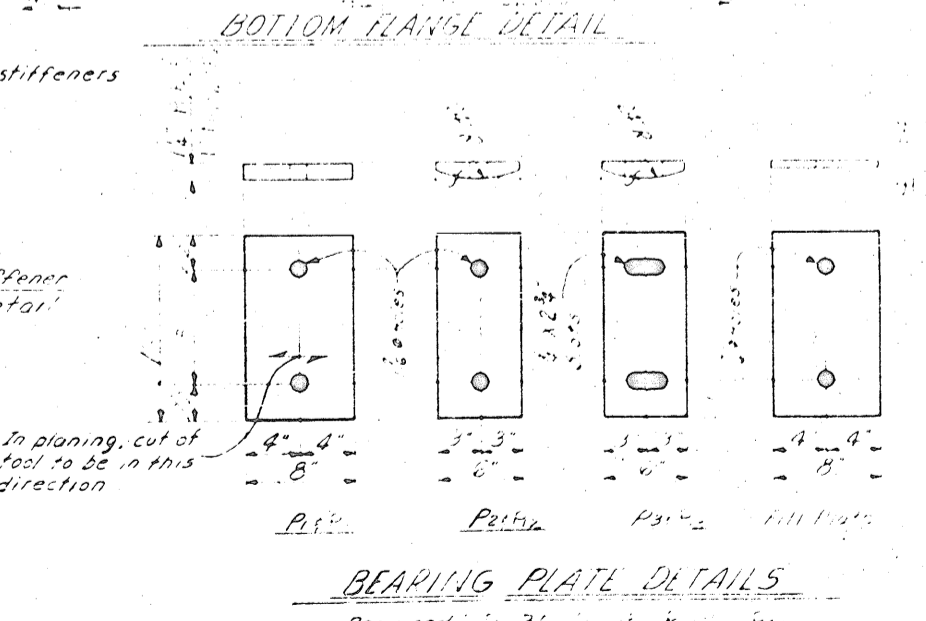
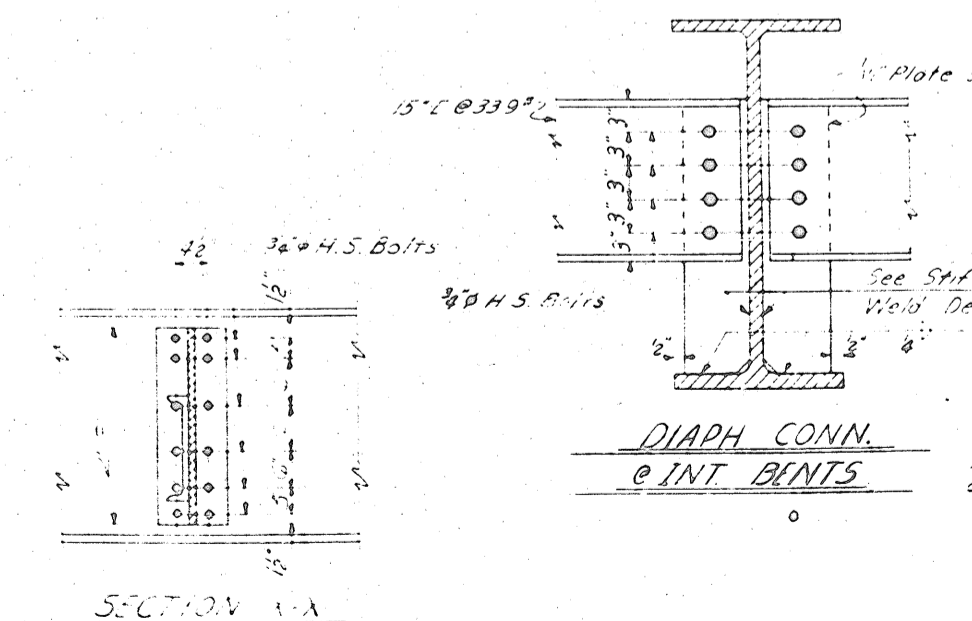
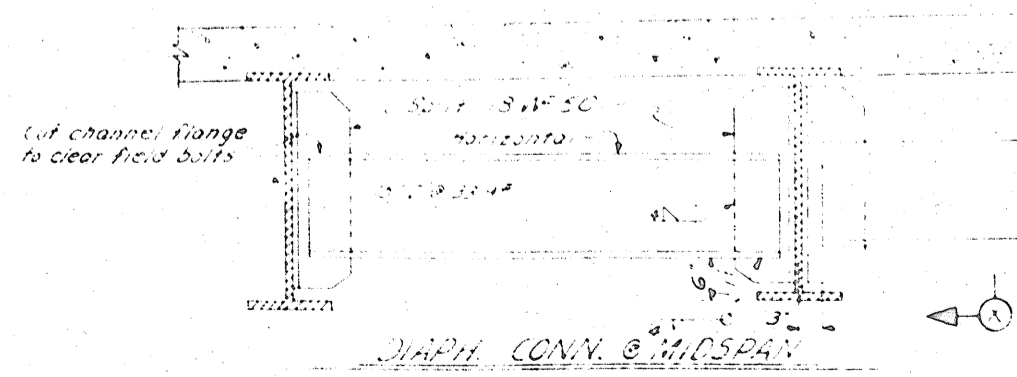


SECTION TABLE

Span	Span A		Span B		Span C	
	Int. Side	Ext. Side	Int. Side	Ext. Side	Int. Side	Ext. Side
1	0	0	1/2	1/2	1/2	1/2
2	0	0	1/2	1/2	1/2	1/2
3	0	0	1/2	1/2	1/2	1/2
4	0	0	1/2	1/2	1/2	1/2
5	0	0	1/2	1/2	1/2	1/2
6	0	0	1/2	1/2	1/2	1/2
7	0	0	1/2	1/2	1/2	1/2
8	0	0	1/2	1/2	1/2	1/2
9	0	0	1/2	1/2	1/2	1/2
10	0	0	1/2	1/2	1/2	1/2



NOTES:  
 All beams and cover plates shall be of ASTM A-36 grade.  
 All bolts shall be of ASTM A-307 grade.  
 All connections of design to beams shall be bolted.  
 All bolts of any type shall be in accordance with the  
 specifications required.  
 All stiffeners are required on outside of exterior beams  
 and all stiffeners are to be parallel to ends  
 of beams. All stiffeners are required on beams adjacent  
 to each other.



DRAWN BY: Joyce Carr II DATE: 7/1/66  
 CHECKED BY: S.M.H.A. DATE: 7/20/66

Rev. #1 Correct Slope Lengths

PROJECT NO. 83025205  
 HAYWOOD COUNTY  
 STATION: M+77<sup>05</sup>-L<sup>4</sup>

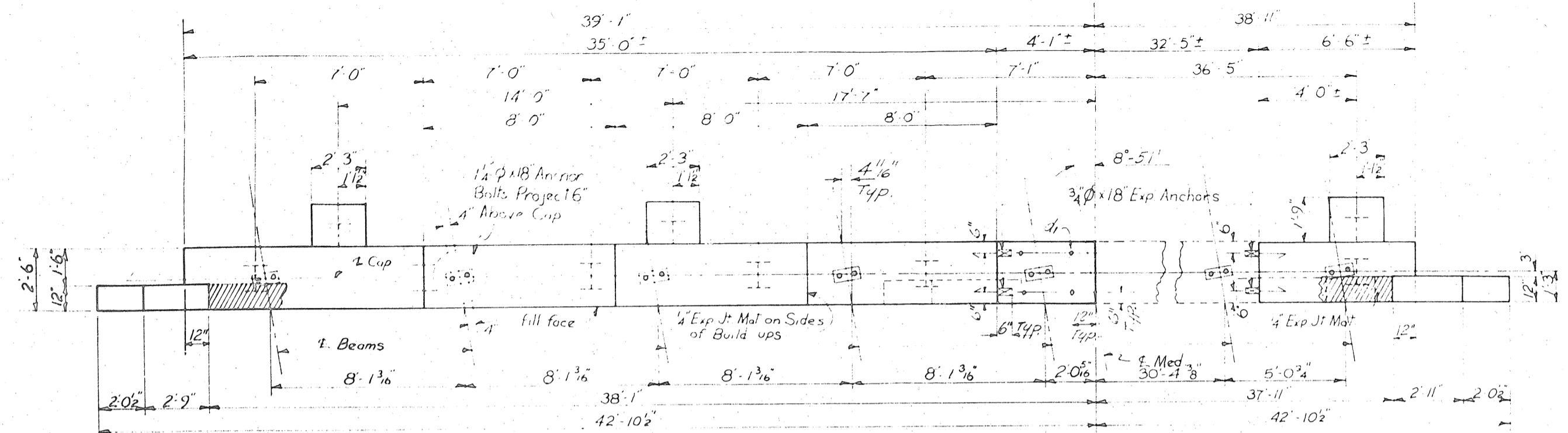
STATE OF NORTH CAROLINA  
 STATE HIGHWAY COMMISSION  
 RALEIGH  
 STRUCTURAL STEEL  
 DETAILS  
 SEPT. 1966

COUNTY  
 HAYWOOD

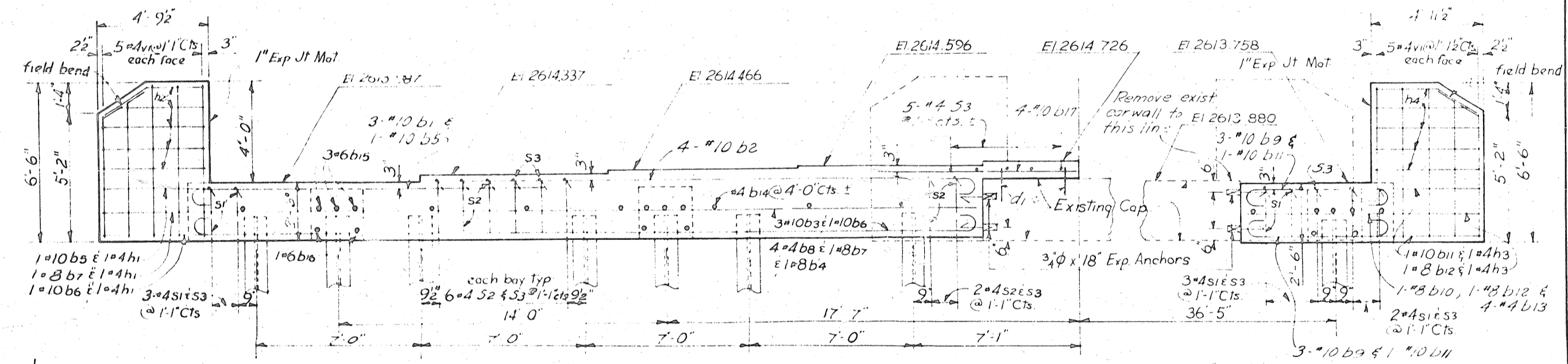
184



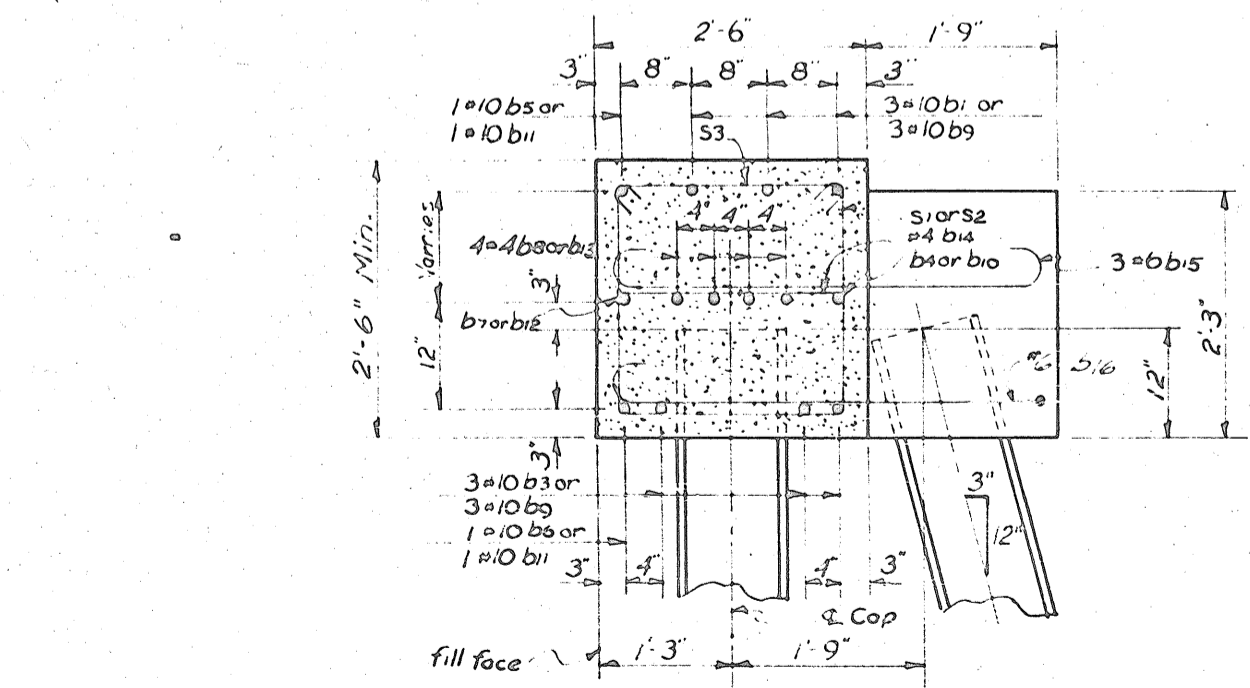




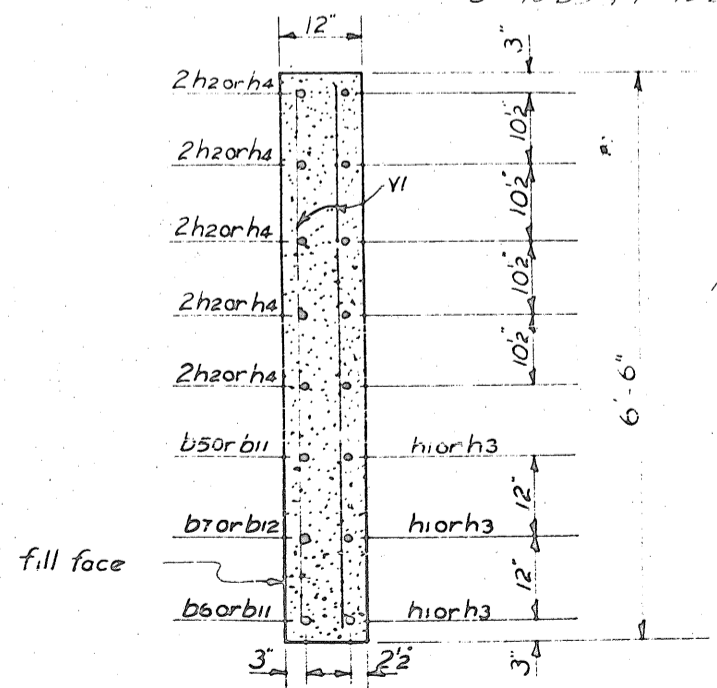
**PLAN OF CAP**



**ELEVATION**



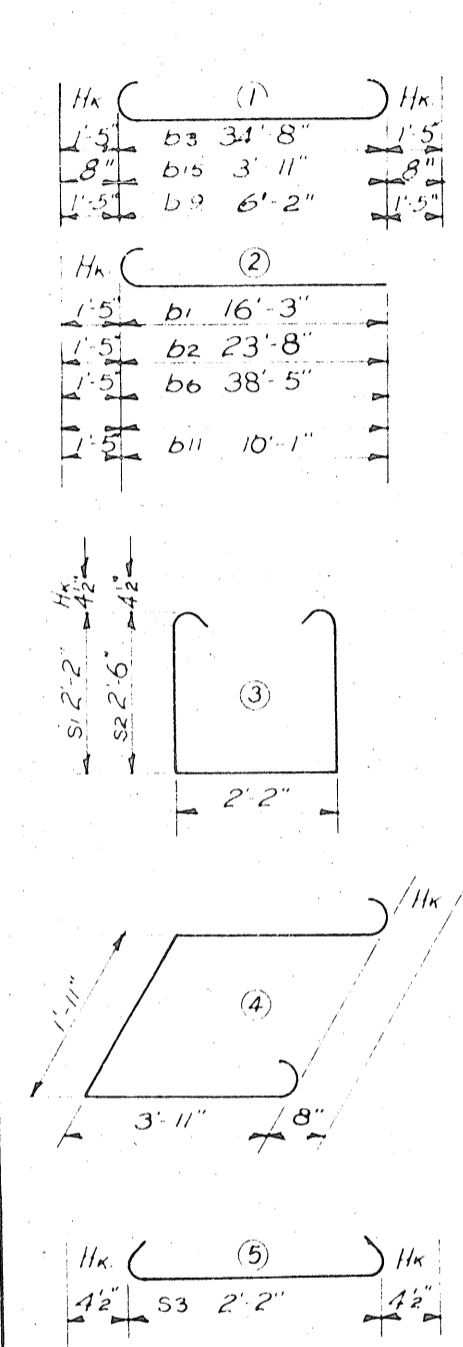
**SECTION THRU CAP**



**SECTION THRU EARWALL**

**BAR DETAILS**

All Dimensions Are Out To Out



**BILL OF MATERIAL**

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
b1	3	#10	2	17'-8"	228
b2	4	#10	2	25'-1"	432
b3	3	#10	1	37'-6"	484
b4	1	#8	str	34'-8"	93
b5	1	#10	str	19'-10"	85
b6	1	#10	2	39'-10"	171
b7	1	#8	str	38'-5"	103
b8	8	#4	str	18'-0"	96
b9	6	#10	1	9'-0"	232
b10	1	#8	str	6'-2"	16
b11	2	#10	2	1'-6"	99
b12	1	#8	str	10'-1"	27
b13	4	#4	str	6'-2"	16
b14	9	#4	str	2'-2"	13
b15	9	#6	1	5'-3"	71
b16	3	#6	4	11'-11"	50
b17	4	#10	str	7'-0"	120
h1	3	#4	str	5'-0"	10
h2	10	#4	str	4'-5"	30
h3	3	#4	str	5'-2"	10
h4	10	#4	str	4'-7"	31
s1	14	#4	3	7'-3"	68
s2	20	#4	3	7'-11"	106
s3	39	#4	5	2'-11"	76
v1	20	#4	str	6'-2"	82
d1	4	#6	str	1'-6"	9

Reinforcing Steel Lbs. 2750  
Class "A" Conc. Cu. Yds. 14.0  
12H53 Steel Piles No. 9  
Lin. Ft. 450  
44'-6"

Note: If Field Splice is required for 12 H 53 Steel Piles, see "Detail" - End Bent No. 2, Sta. 66+72.28 L.

DIVISION OF CONCRETE		
Pour No.	Cu. Yds.	
1. Left Extension	11.1	
2. Right Extension	2.9	
<b>Total</b>	<b>14.0</b>	

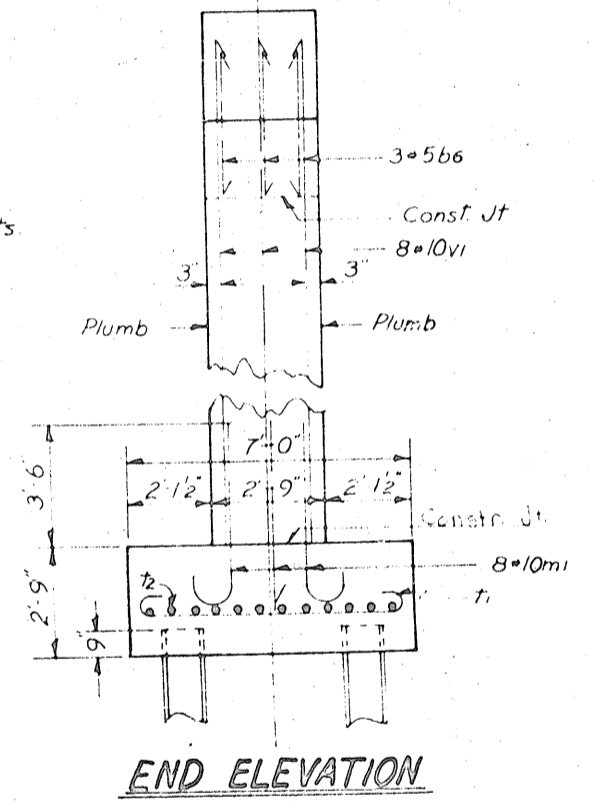
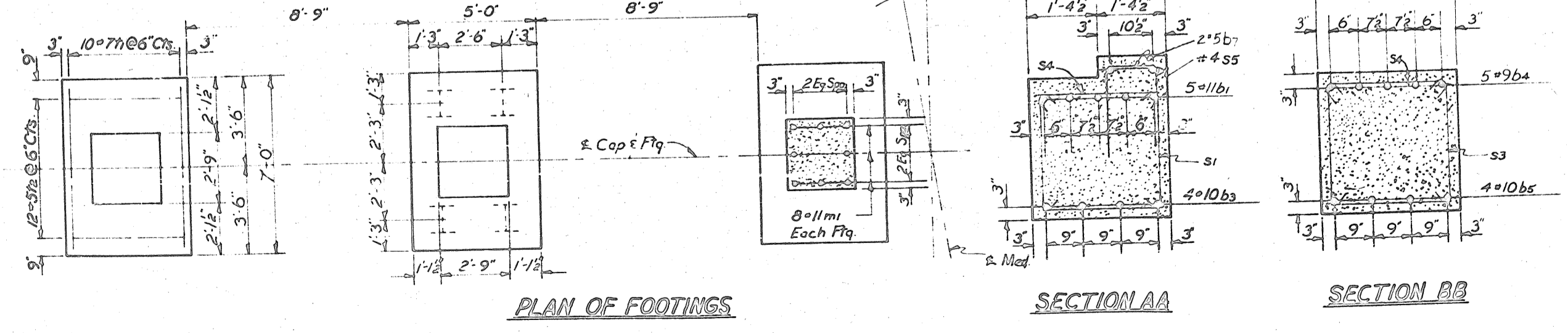
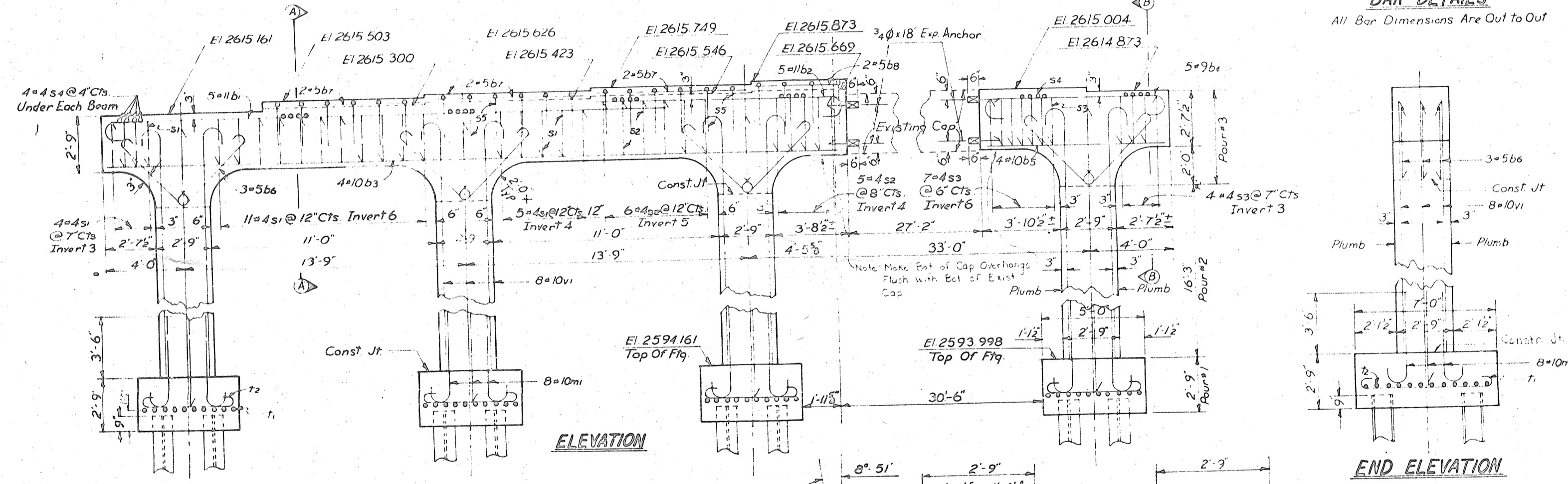
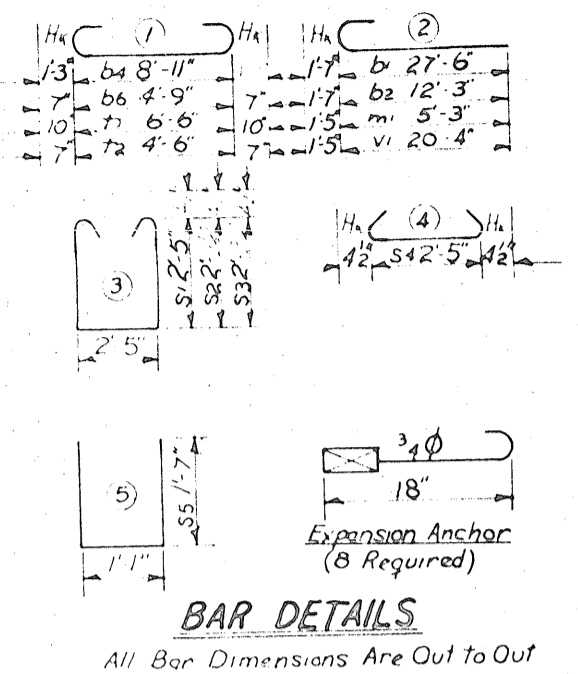
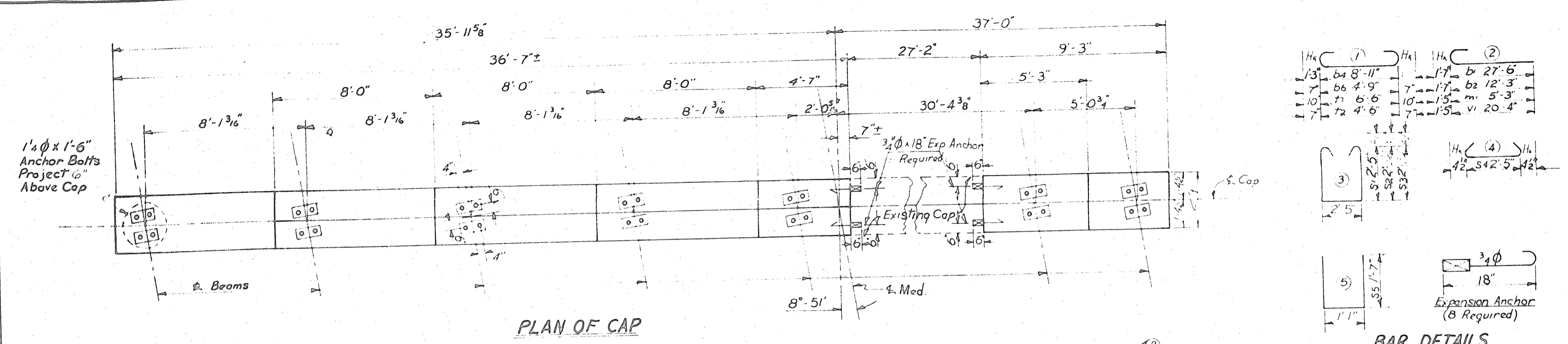
PROJECT No. 8.3023206  
HAYWOOD COUNTY  
STATION: 14+77.55 L+

STATE OF NORTH CAROLINA  
STATE HIGHWAY COMMISSION  
RALEIGH  
SUBSTRUCTURE  
END BENT NO. 1

April, 1967

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

HAYWOOD COUNTY  
DIVISION  
SCALE



BILL OF MATERIAL FOR BENT NO. 1					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
b1	5	#11	2	29'-1"	773
b2	5	#11	2	13'-10"	367
b3	4	#10	str	36'-8"	624
b4	5	#9	1	11'-5"	194
b5	4	#10	str	8'-11"	153
b6	24	#5	1	5'-11"	148
b7	6	#5	str	7'-8"	48
b8	2	#5	str	4'-3"	9
m1	32	#10	2	6'-8"	918
s1	20	#4	3	8'-0"	107
s2	11	#4	3	8'-9"	27
s3	11	#4	3	7'-7"	57
s4	28	#4	4	3'-2"	59
s5	22	#4	5	4'-3"	62
t1	40	#7	1	8'-2"	668
t2	48	#5	1	5'-8"	284
v1	32	#10	2	21'-9"	2995

Reinforcing Steel Lbs. 7530  
 Class "A" Concrete Cu. Yds. 49.4  
 12H53 Steel Piles No. 16  
 Lin. Ft. 400  
 V. 12'-3"

DIVISION OF CONCRETE	
Pour No.	Cu. Yds.
1 Footings	17.3
2 Columns	18.2
3 Cap	16.9
<b>Total</b>	<b>49.4</b>

PROJECT No. 8.3023206  
 HAYWOOD COUNTY  
 STATION: 14+77.55-14

STATE OF NORTH CAROLINA  
 STATE HIGHWAY COMMISSION  
 RALEIGH  
**SUBSTRUCTURE INTERIOR BENT NO. 1**  
 April, 1967

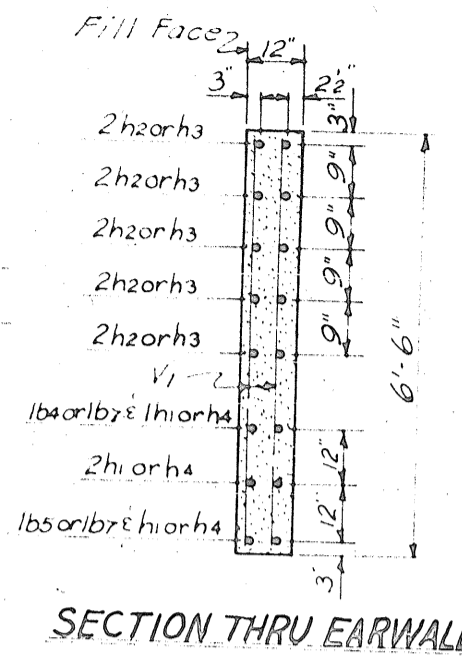
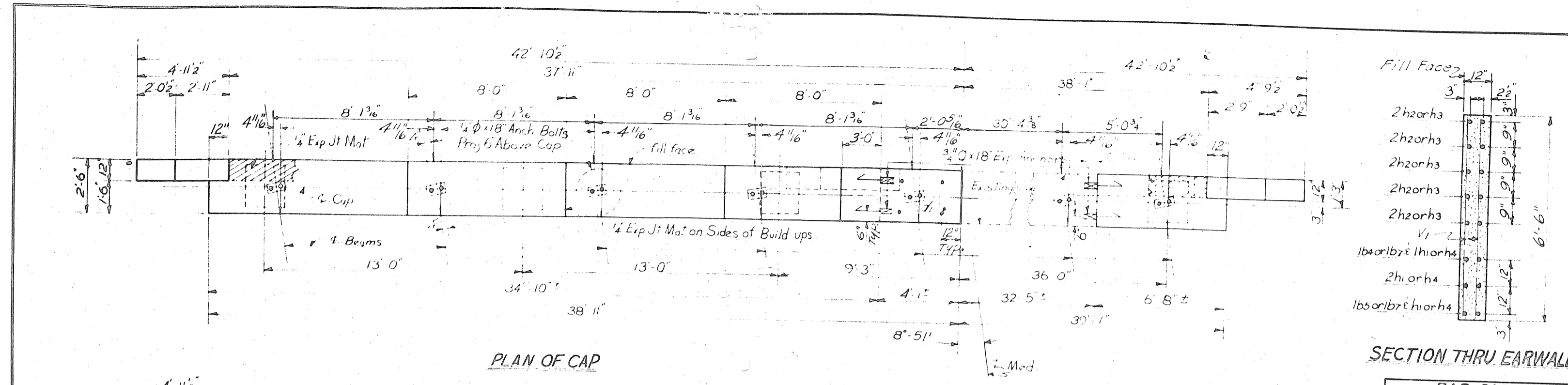
REVISIONS					
NO.	BY	DATE	NO.	BY	DATE
1			3		
2			4		

80 269

DESIGNED BY: Dave H. L. Priest, Jr. DATE: 1967  
 CHECKED BY: [Signature] DATE: 1967

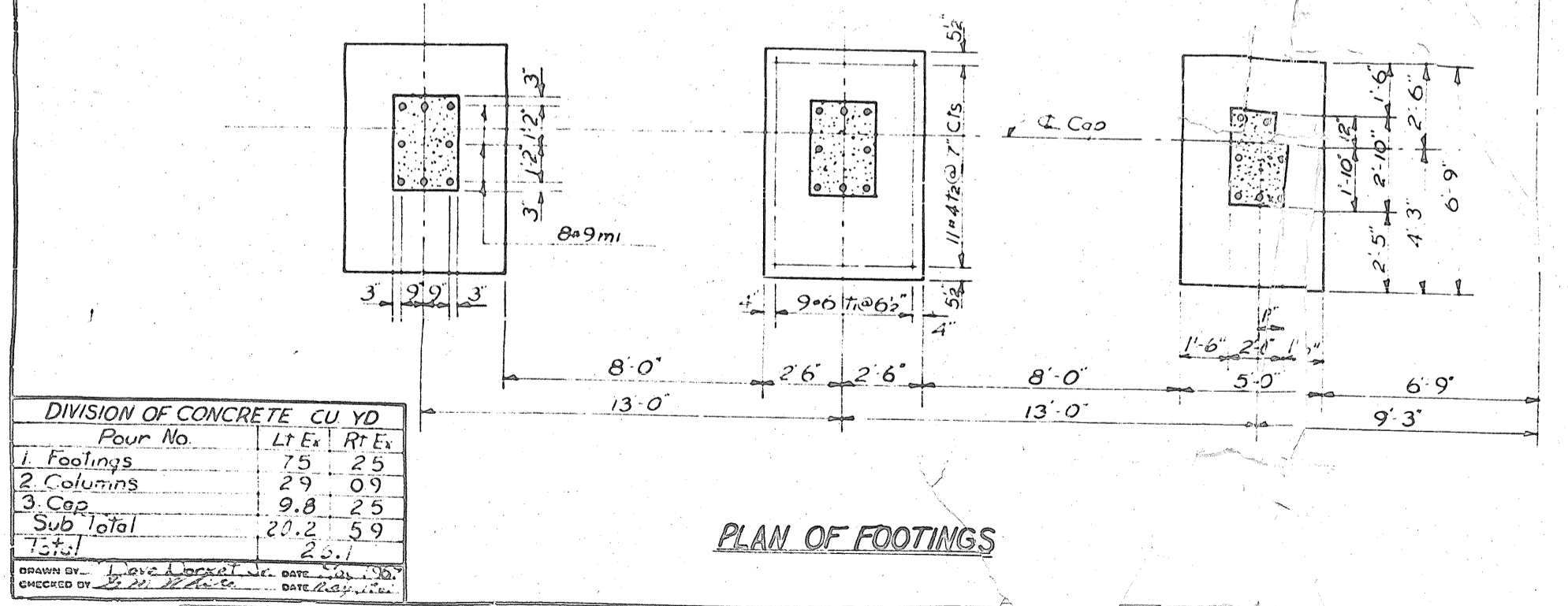
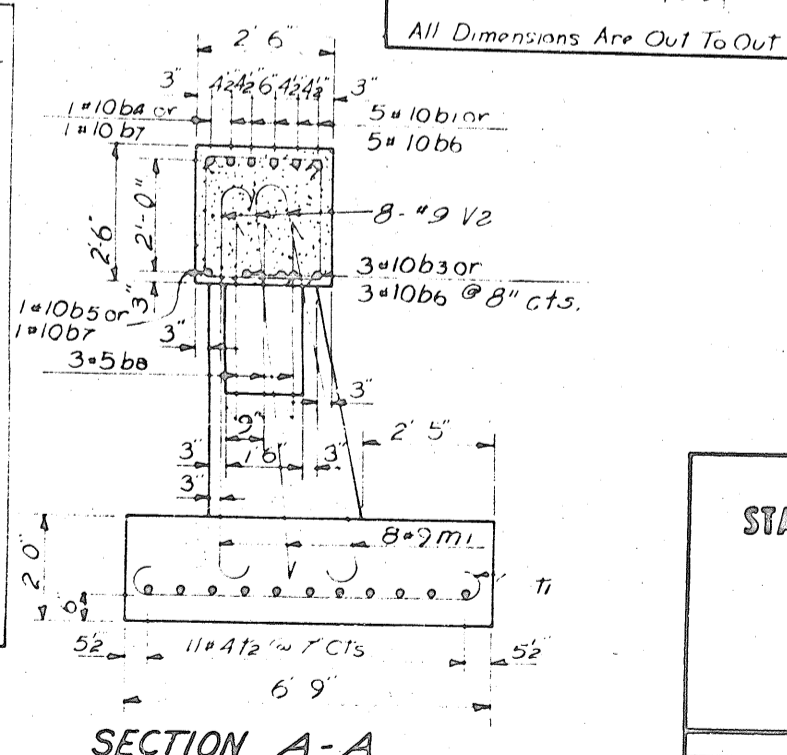
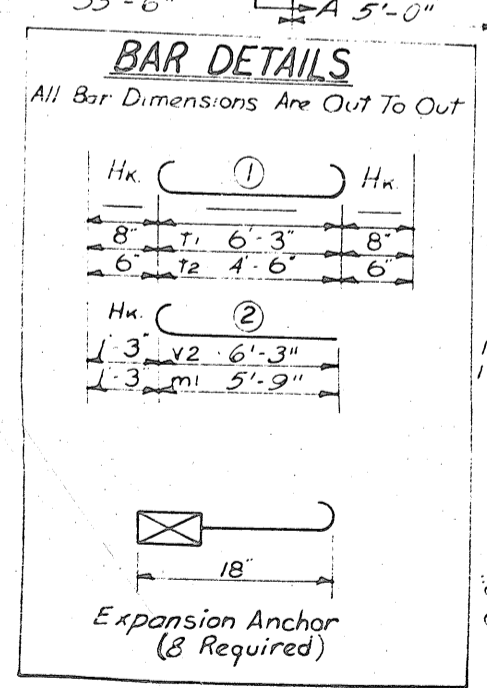
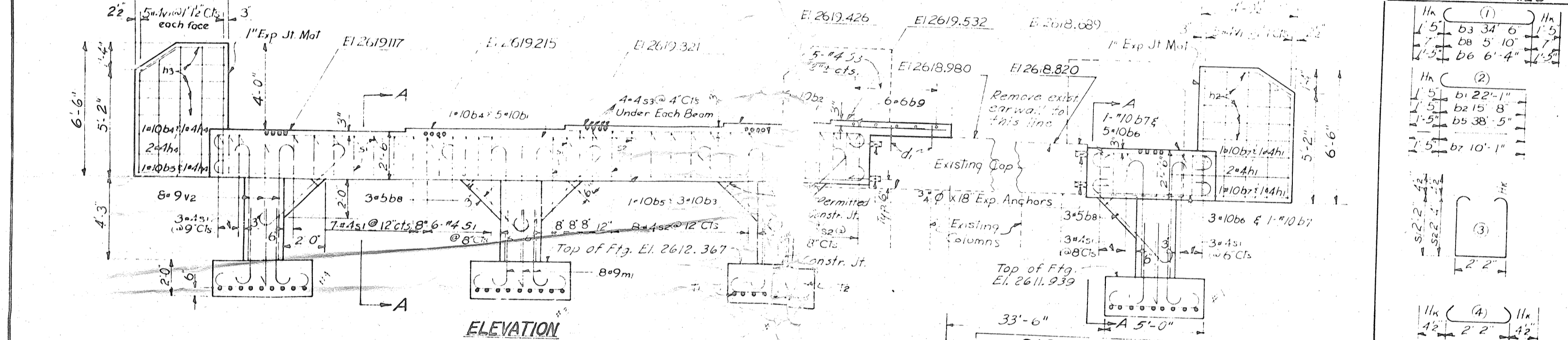
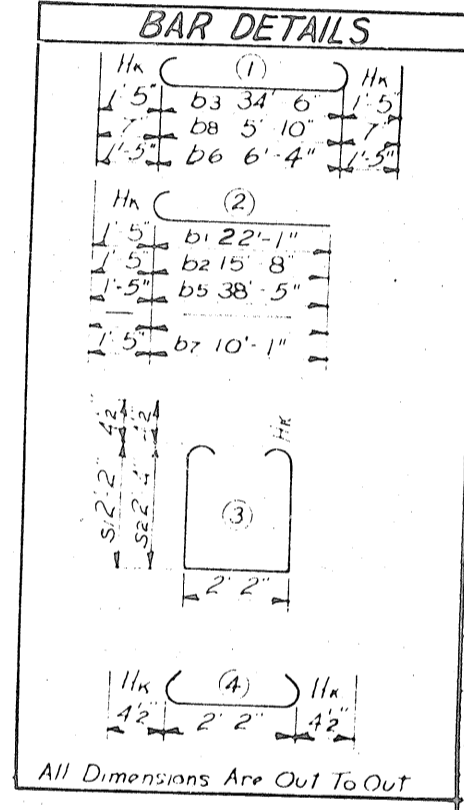
2  
 WEIGHT  
 773  
 024  
 194  
 153  
 148  
 1629  
 59  
 4208  
 3206  
 COUNTY  
 14  
 104  
 139

FED. ROAD DIST. NO.	STATE	PROJECT NO.
0	N.C.	83023206
F. A. PROJECT APD 12-2(15)		



BILL OF MATERIAL					
END BENT NO.2					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
b1	5	#10	2	23'-6"	506
b2	6	#10	2	17'-1"	441
b3	3	#10	1	37'-4"	482
b4	1	#10	str	26'-1"	112
b5	1	#10	2	39'-10"	171
b6	8	#10	1	9'-2"	316
b7	2	#10	2	11'-6"	99
b8	18	#5	1	7'-0"	131
b9	6	#6	str	6'-9"	61
h1	4	#4	str	5'-0"	13
h2	10	#4	str	4'-5"	30
h3	10	#4	str	4'-7"	31
h4	4	#4	str	5'-3"	14
m1	32	#9	2	7'-0"	762
s1	24	#4	3	7'-3"	116
s2	16	#4	3	7'-7"	81
s3	25	#4	4	2'-11"	41
t1	36	#6	1	7'-7"	410
t2	14	#4	1	5'-6"	182
v1	20	#4	str	6'-2"	82
v2	32	#9	2	7'-6"	816
d1	4	#6	str	11'-3"	8

Reinforcing Steel Lbs. 4893  
 Class 'A' Concrete Cu. Yds. 261  
 27.16



DIVISION OF CONCRETE CU YD			
Pour No.	Lt Ex	Rt Ex	
1. Footings	75	25	
2. Columns	29	09	
3. Cap	9.8	25	
Sub total	20.2	59	
Total		25.1	

DRAWN BY: J. Love, Project No. DATE: May 1967  
 CHECKED BY: J. W. [Signature], DATE: May 1967

PROJECT No. 8.3023206  
 HAYWOOD COUNTY  
 STATION: 14+77.55 L<sup>s</sup>

STATE OF NORTH CAROLINA  
 STATE HIGHWAY COMMISSION  
 RALEIGH  
 SUBSTRUCTURE  
 END BENT NO. 2

May 1967

NO.	BY	DATE	NO.	BY	DATE

SHEET NO. 5-29