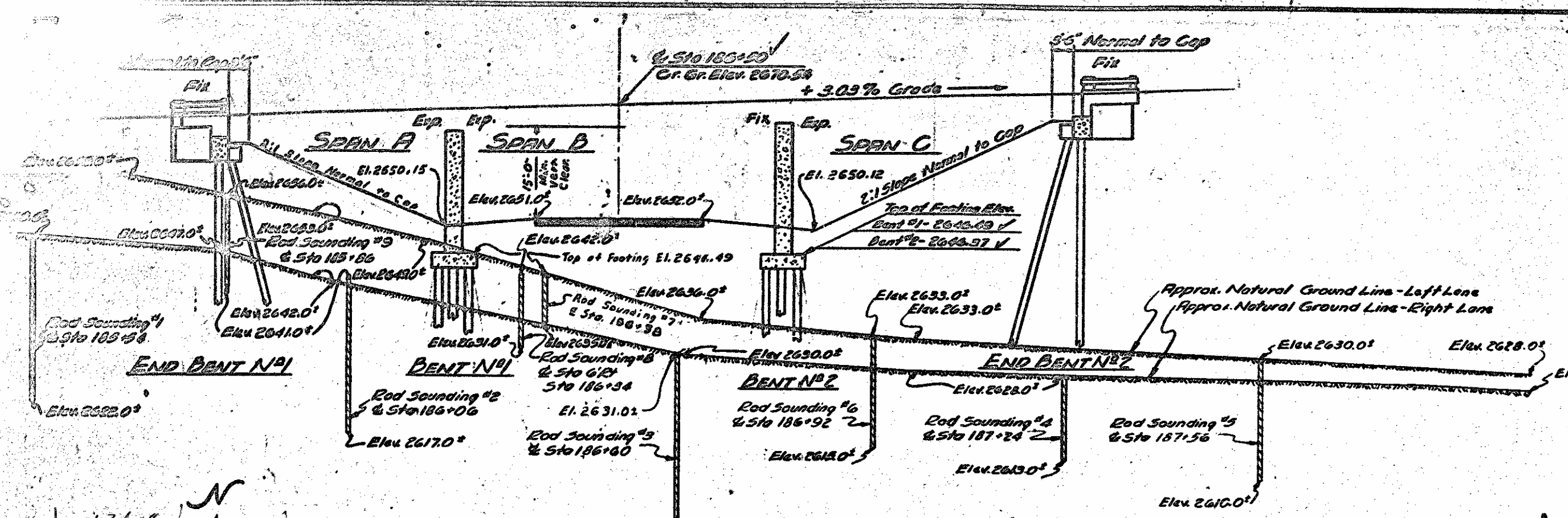
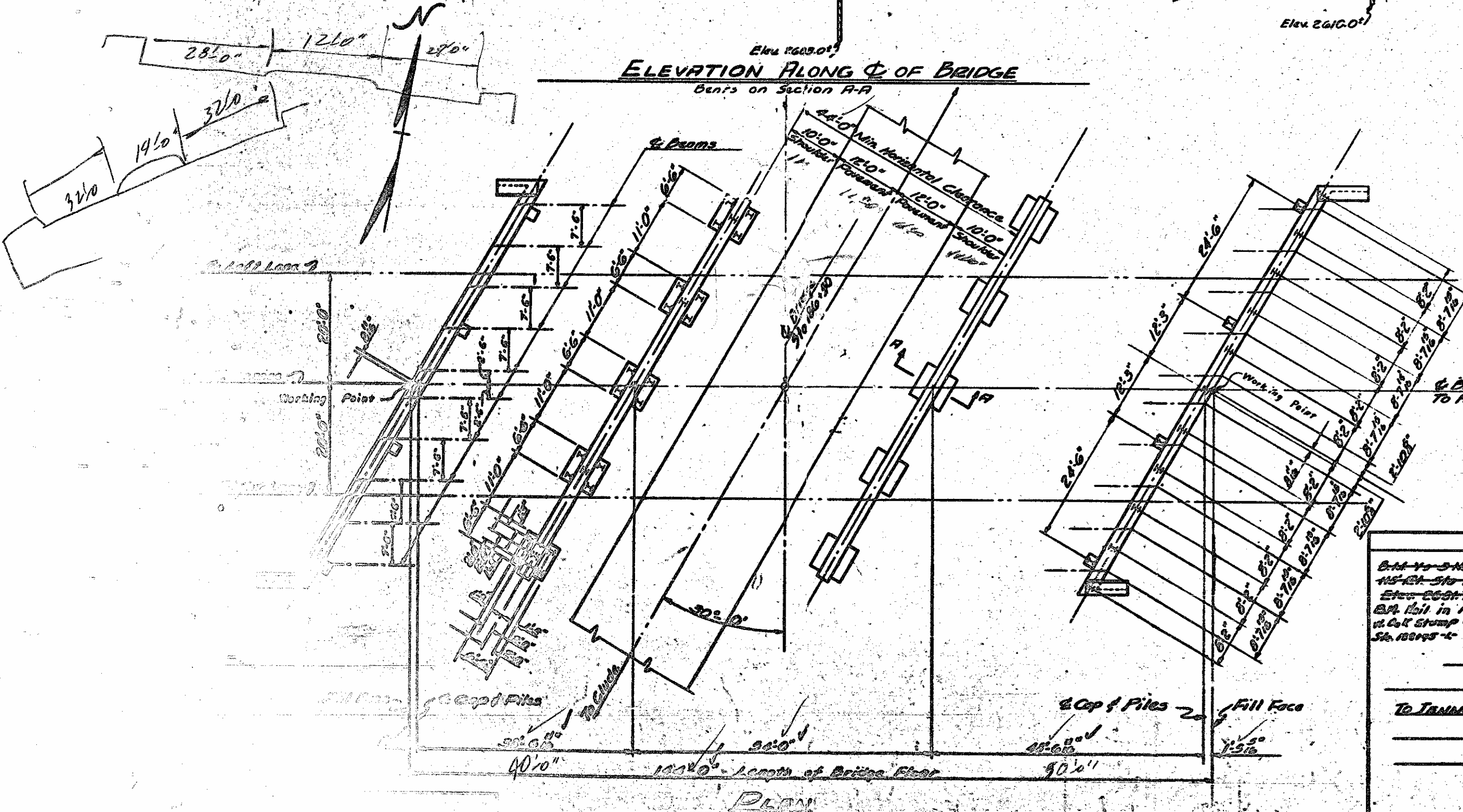




ELEVATION ALONG Φ OF BRIDGE



PLAN

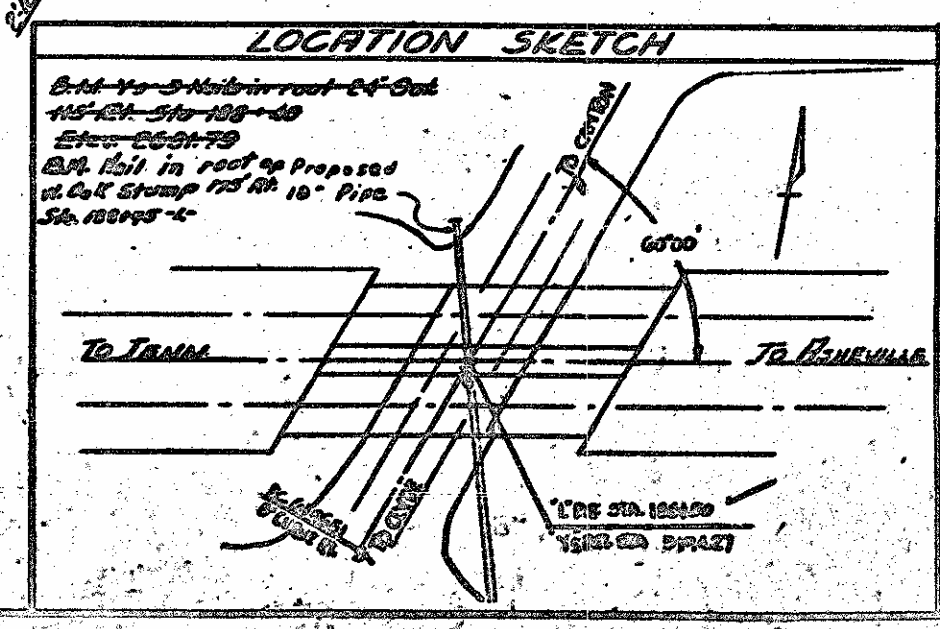
NOTES

Assumed Live Load: 100-500 (100) or Alternate Loading
For other Design Code and General Note see sheet 5-44.
Piles for End Bents #1 & 2 and for Bents #1 & 2 to be driven
through Roadway Fill.
The Contractor will be required to drive one 25'-12H53 test pile
in place for Bent #1 and one 40'-12H53 test pile in place for
Bent #2. The test pile shall be paid for as Lin. 75, 12H53
steel piles. The order lengths of all piles will be given
after the test piles have been driven.
All piles to be driven to a minimum bearing capacity
of 20 tons each.
Work is not to be started on this bridge until after fill
has been placed by the Roadway Contractor.
Unclassified structure excavation for Bents #1 & 2 to
be measured from surface of fill.

TOTAL BILL OF MATERIAL									
Class of Concrete	Reinforcing Steel	Structural Steel	12" x 33" Piles	12" x 33" Piles	12" x 33" Piles	12" x 33" Piles	12" x 33" Piles	12" x 33" Piles	12" x 33" Piles
Superstructure	332.0'	75,767'	216,400'	15,450'	15,450'	15,450'	15,450'	15,450'	15,450'
End Bent No. 1	32.8'	5,967'	15,450'	15,450'	15,450'	15,450'	15,450'	15,450'	15,450'
Bent No. 1	59.5'	11,321'	25,000'	25,000'	25,000'	25,000'	25,000'	25,000'	25,000'
Bent No. 2	56.5'	11,623'	25,000'	25,000'	25,000'	25,000'	25,000'	25,000'	25,000'
End Bent No. 2	33.7'	5,970'	15,450'	15,450'	15,450'	15,450'	15,450'	15,450'	15,450'
Approach Curbs	3.2'	76'							
TOTALS	34.7'	110,724'	216,400'	80,350'	80,350'	80,350'	80,350'	80,350'	80,350'

I hereby certify that this bridge
Note: Was built according to plan except as noted herein

S. T. Long, Eng. Sup.

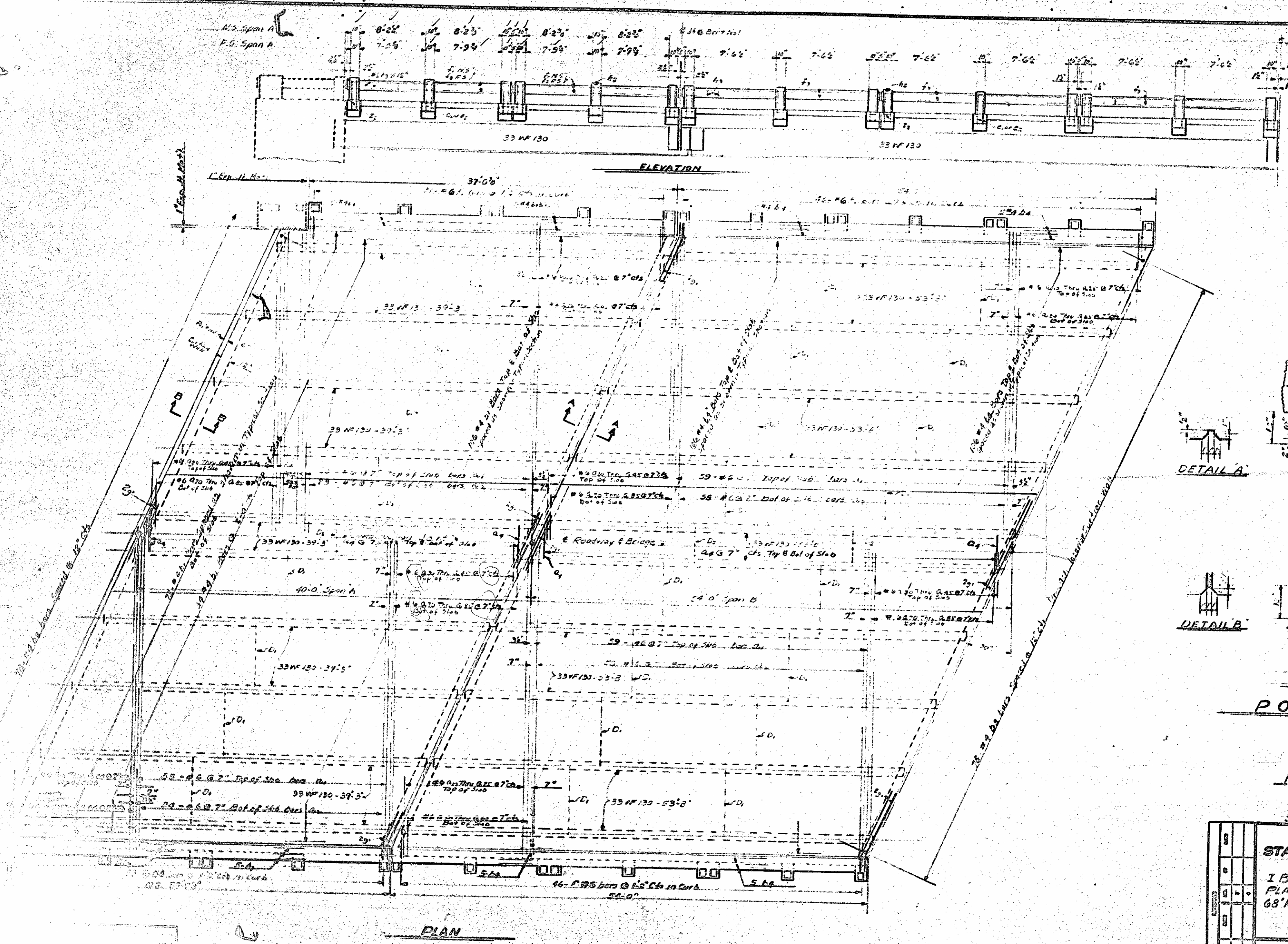


PROJECT NO. 100-500
HAYWOOD COUNTY
STATION 100-500

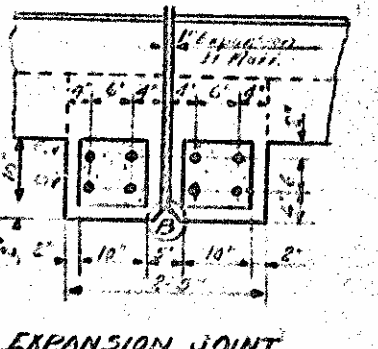
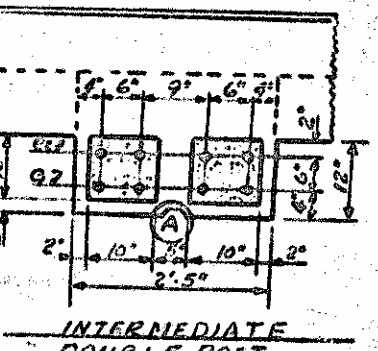
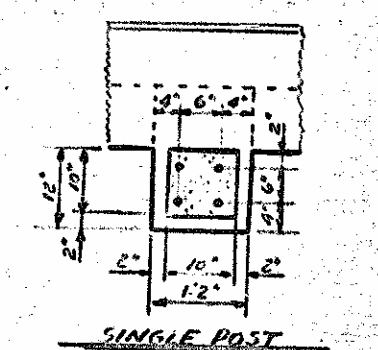
STATE OF NORTH CAROLINA
STATE HIGHWAY COMMISSION
GENERAL DESCRIPTION
BRIDGE ON ELEVATED
BRIDGE ON ELEVATED
BRIDGE ON ELEVATED

11-32-45
01 1916-1917
5044500

K O D A K S A F



DATE	BY	CHKD	APP'D
8/15/59	J.C.	J.C.	J.C.
FA PROJ 8-40-110, 50			



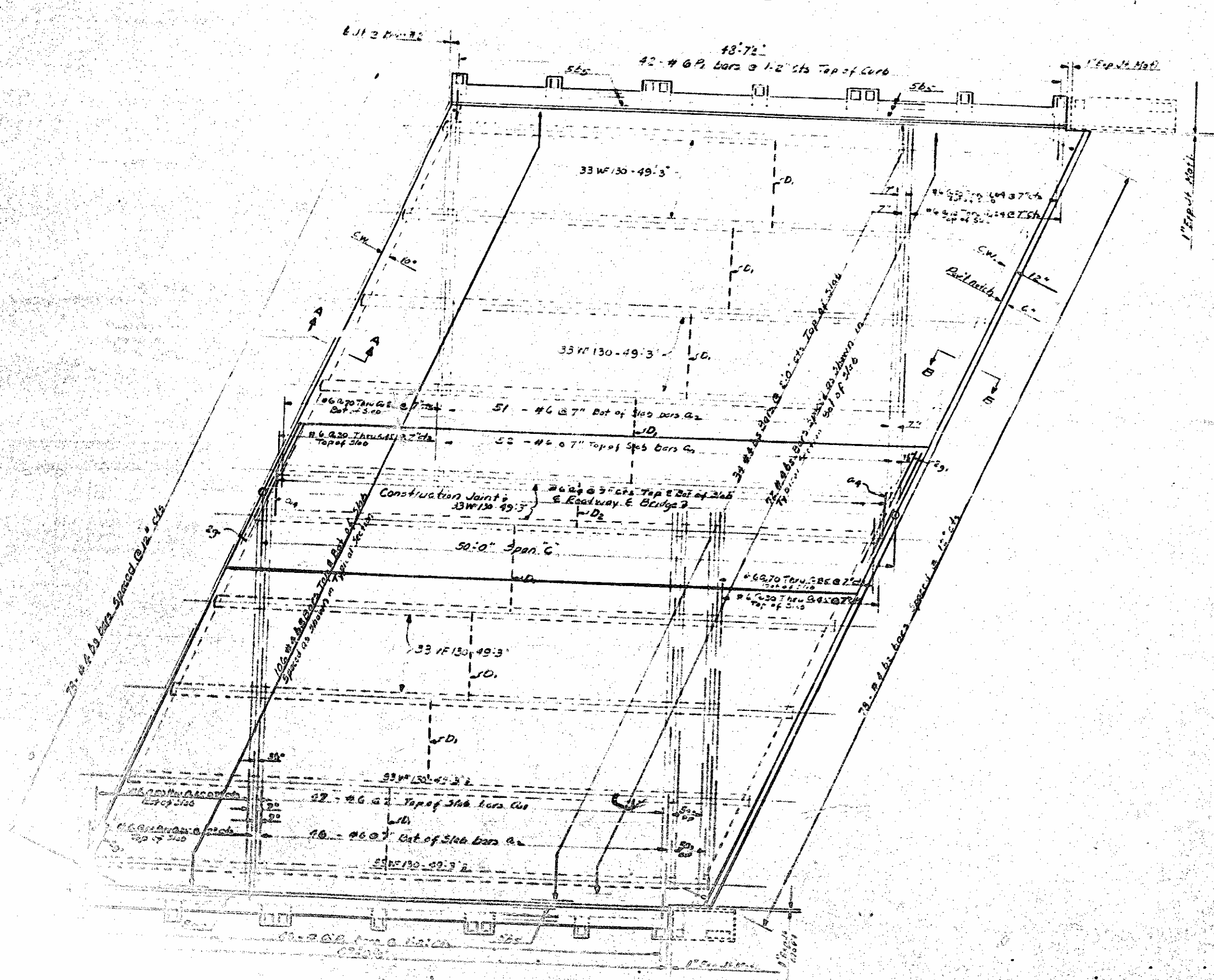
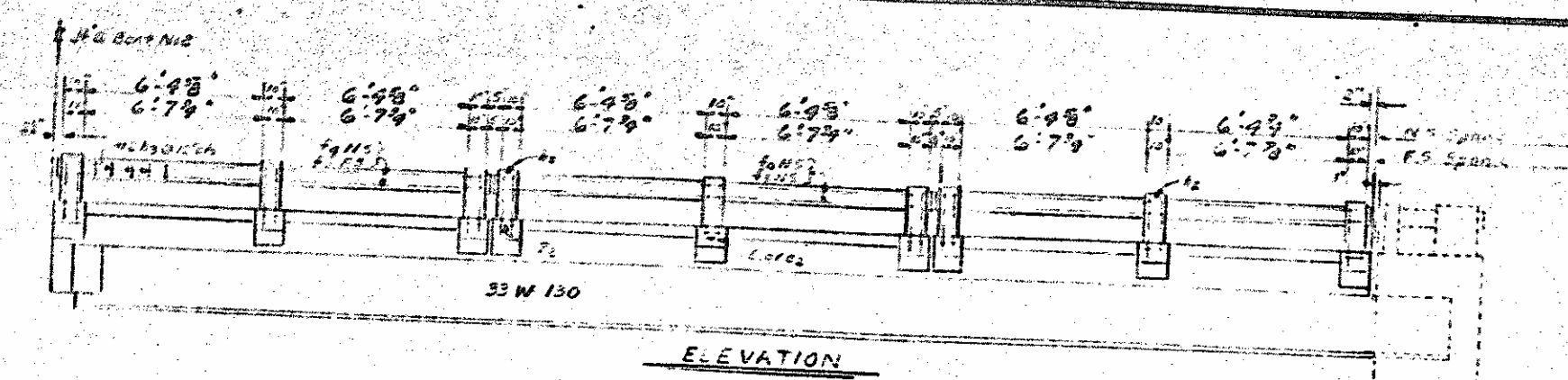
DETAIL A

DETAIL B

POST DETAILS

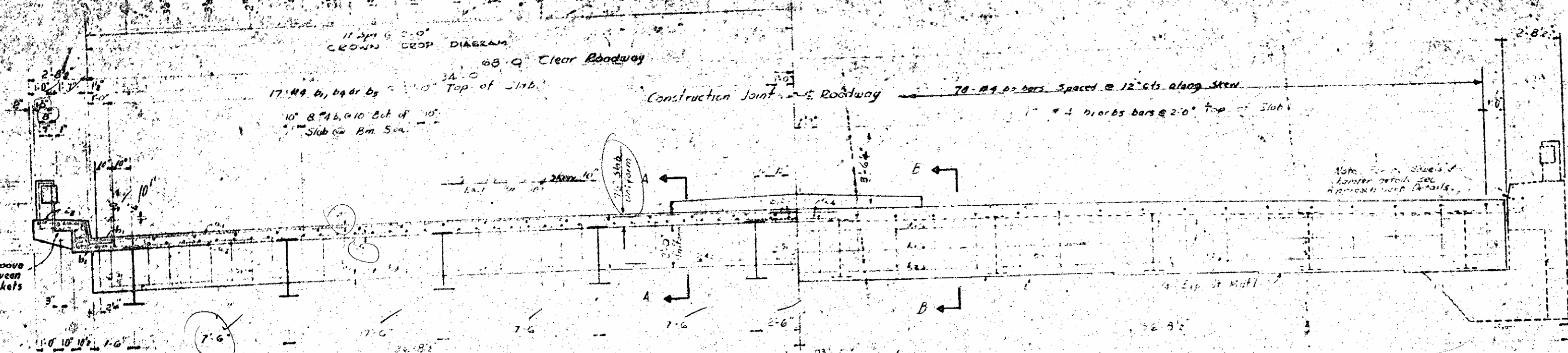
PROJECT NO. 819430
HAYWOOD COUNTY
STATION: 186+50.7'
SPANS A & B

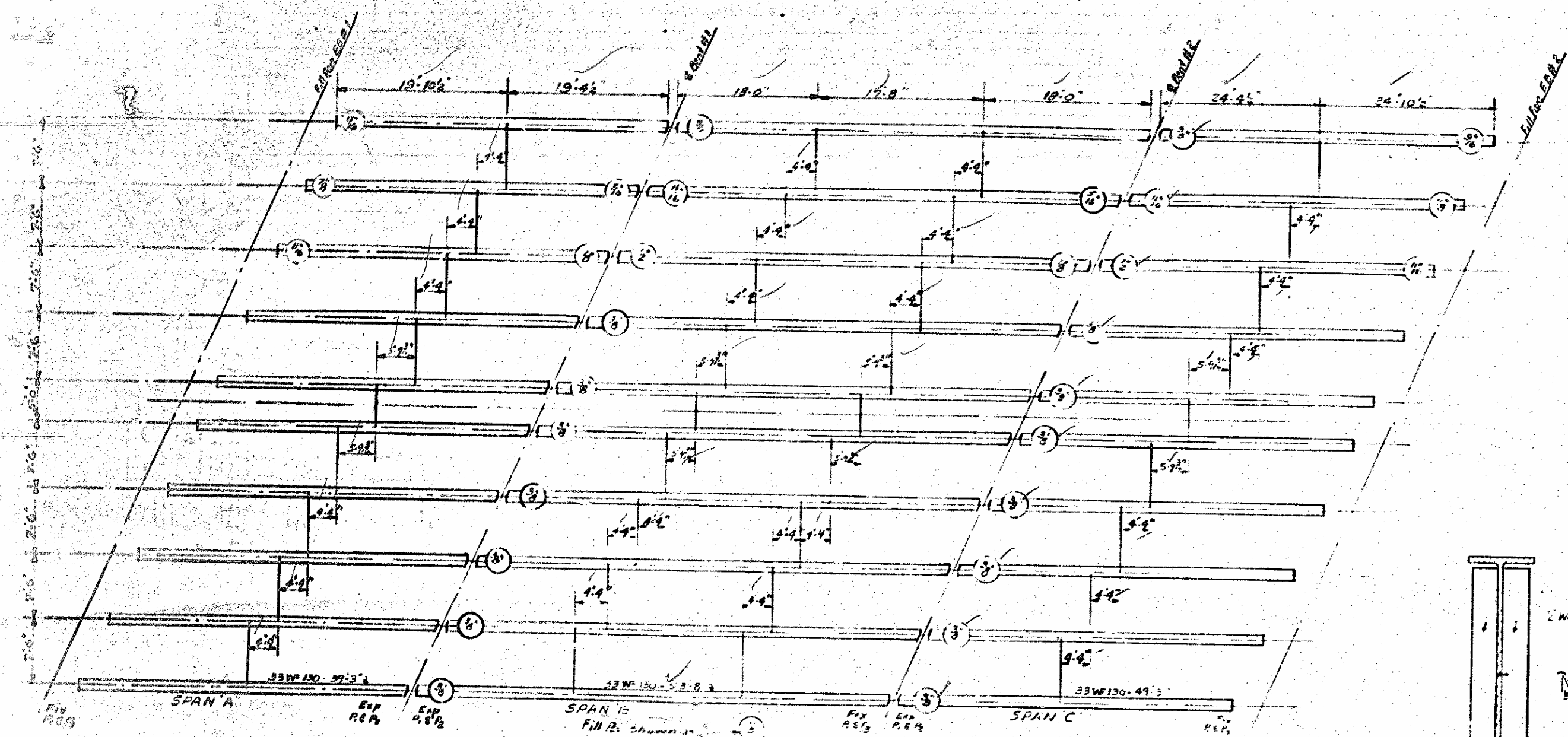
STATE OF NORTH CAROLINA	
STATE HIGHWAY COMMISSION	
I BEAM SUPERSTRUCTURE	
PLAN WITH RC FLOOR & RAIL	
68' ROADWAY 30° LH SKEW	
AUGUST 1959	



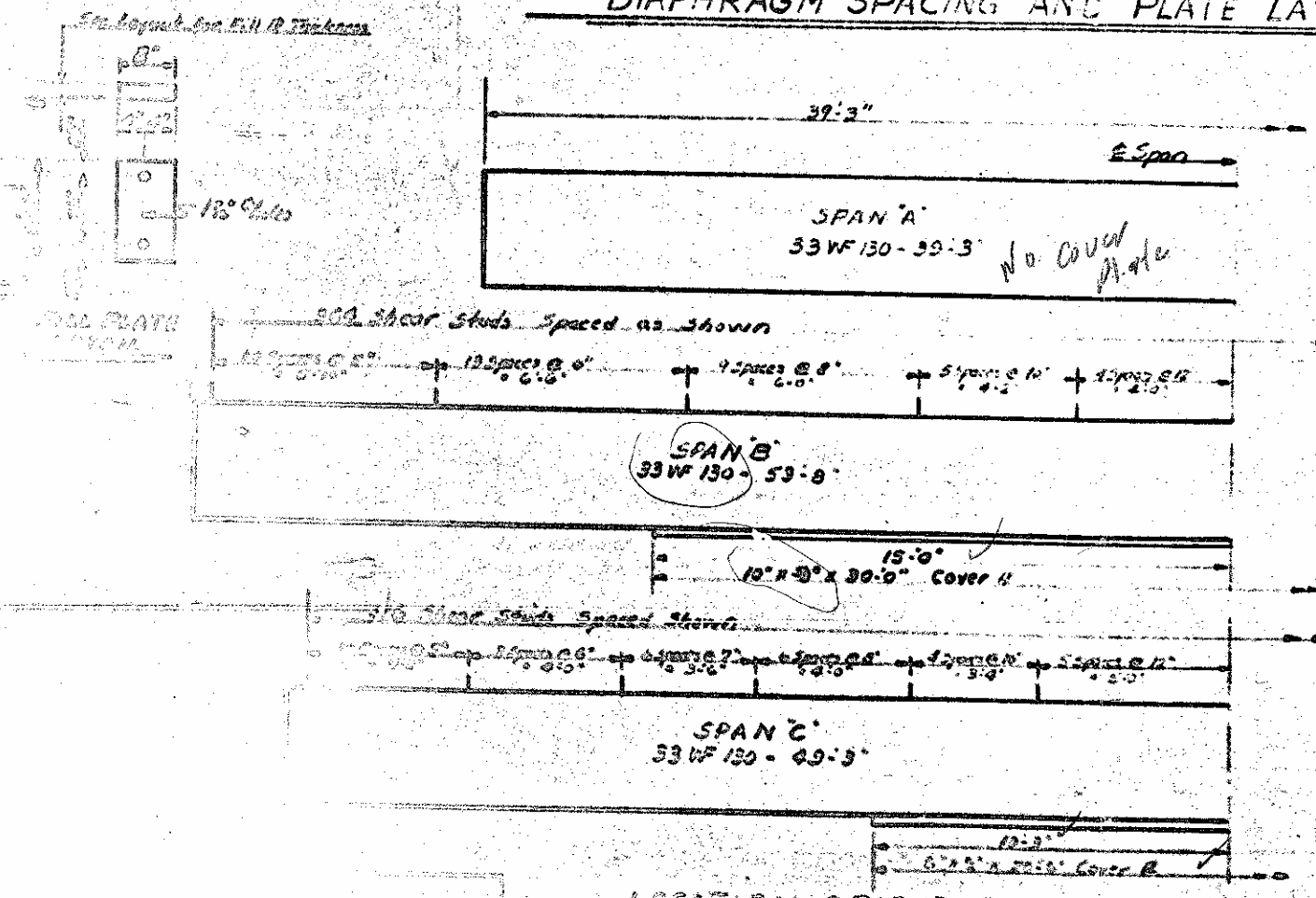
PROJECT NO. 819430
 HAYWOOD COUNTY
 STATION 186+50.2'
 SPANS "C"
 STATE OF NORTH CAROLINA
 STATE HIGHWAY COMMISSION
 Z BEAM SUPERSTRUCTURE
 PLAN WITH R.C. FLOOR SLAB
 68' ROADWAY 30' IN SLOPE
 AUGUST 1959

NO. 1000
 DATE
 BY
 PROJECT NO.
 S.C. 810830
 S.D. Proj. No. E-40-11722

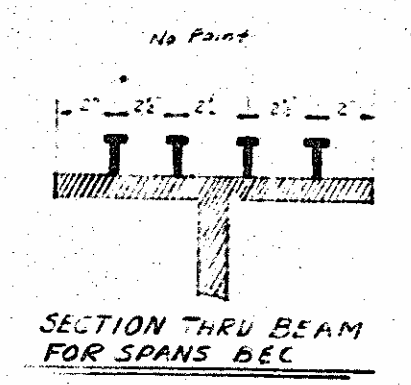




DIAPHRAGM SPACING AND PLATE LAYOUT



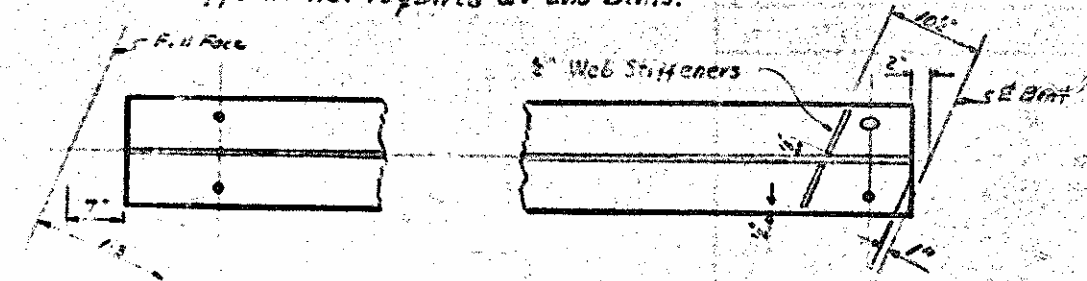
LOCATION OF SHEAR STUDS



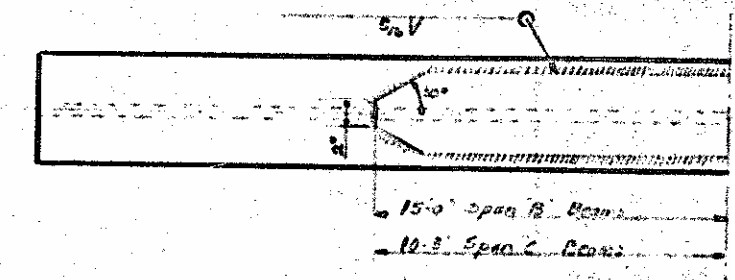
SECTION THRU BEAM FOR SPANS B & C

At the Contractor's option, 5/8" x 4" solid fluted or granular-flux-filled studs, spaced as shown, may be used.

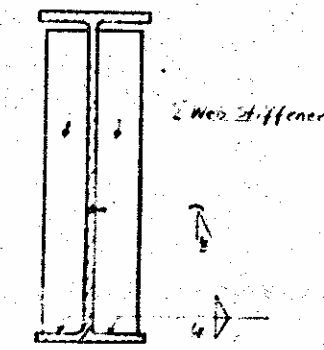
Stiffeners should be provided on each side of the web for interior beams, but on the inside only of exterior beams. Stiffeners not required at End Brts.



LOCATION OF WEB STIFFENERS



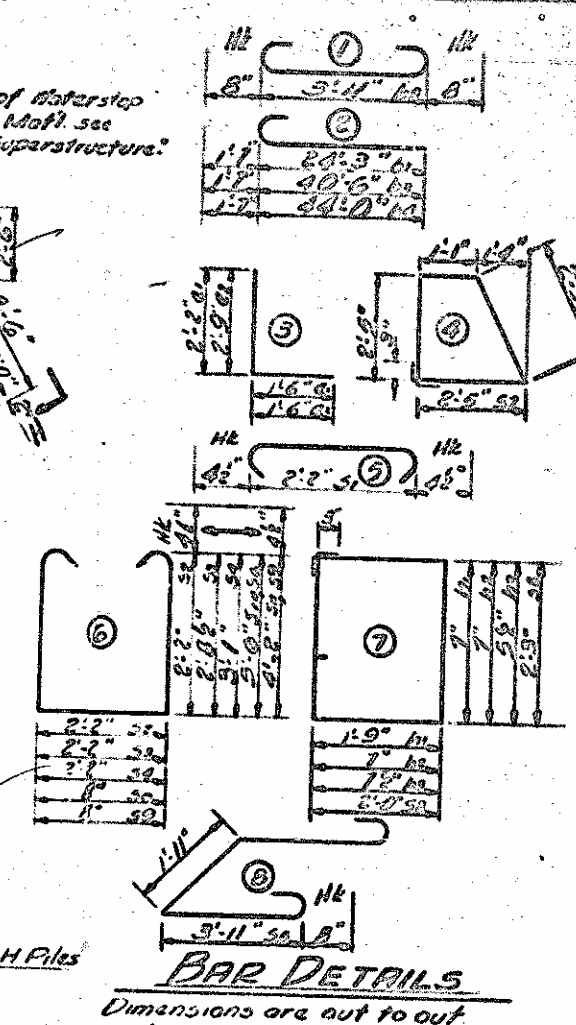
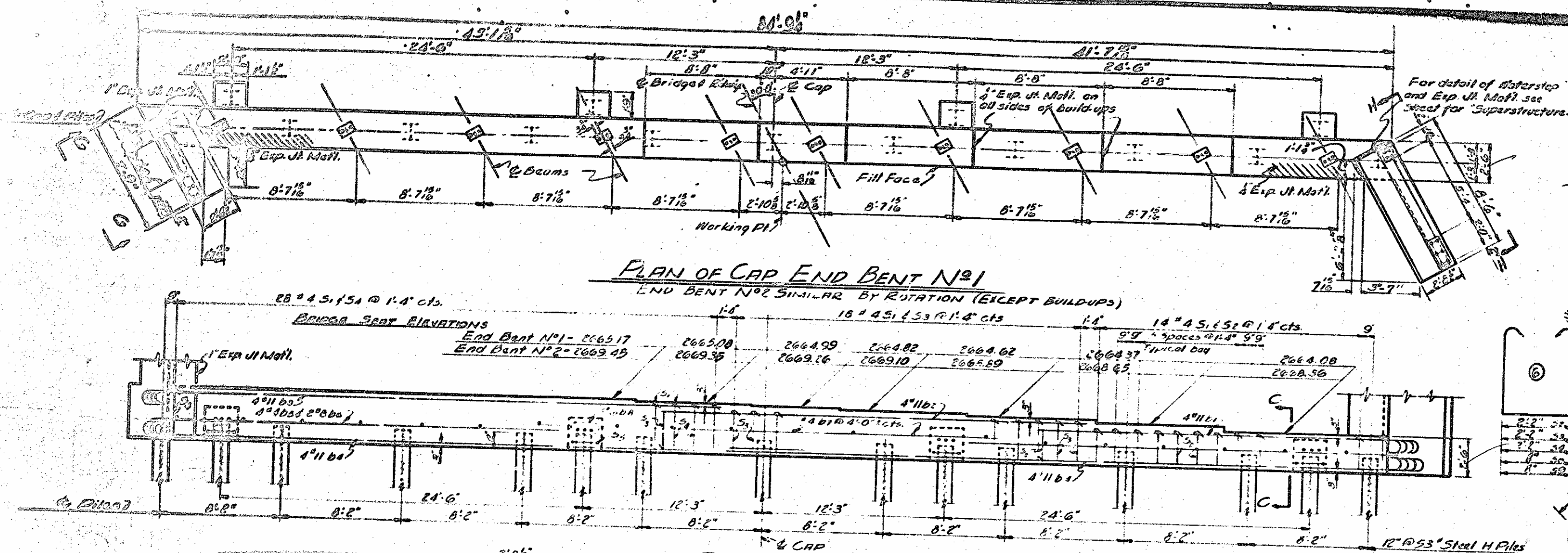
COVER PLATE DETAIL SPANS B & C



DETAIL OF WEB STIFFENERS

PROJECT NO. 819430
HAYWOOD COUNTY
STATION 186+50.2

STATE OF NORTH CAROLINA	
STATE HIGHWAY COMMISSION	
STRUCTURAL STEEL DETAILS	
AUGUST 1959	



Two Requisitions
BILL OF MATERIAL
For One Five

DAN	NO.	IN	WTS	LENGTH	WIND
01	4	211	2	65°	1
02	4	211	2	65°	1
03	4	211	2	65°	1
04	8	211	2	65°	1
05	12	211	2	65°	1
06	3	211	2	65°	1
07	20	211	2	65°	1
08	12	211	2	65°	1

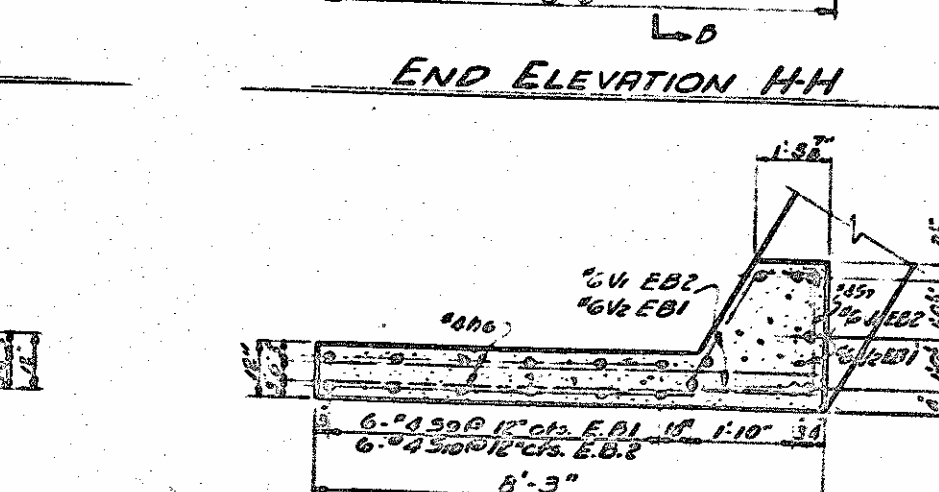
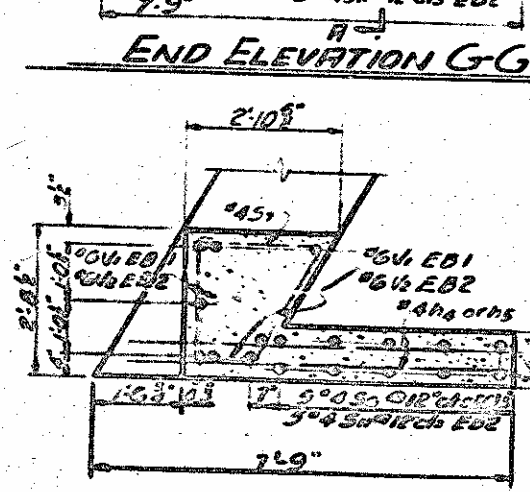
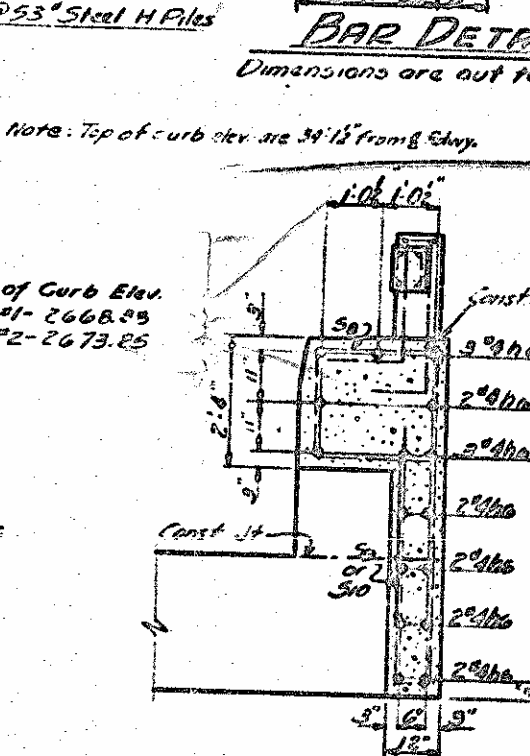
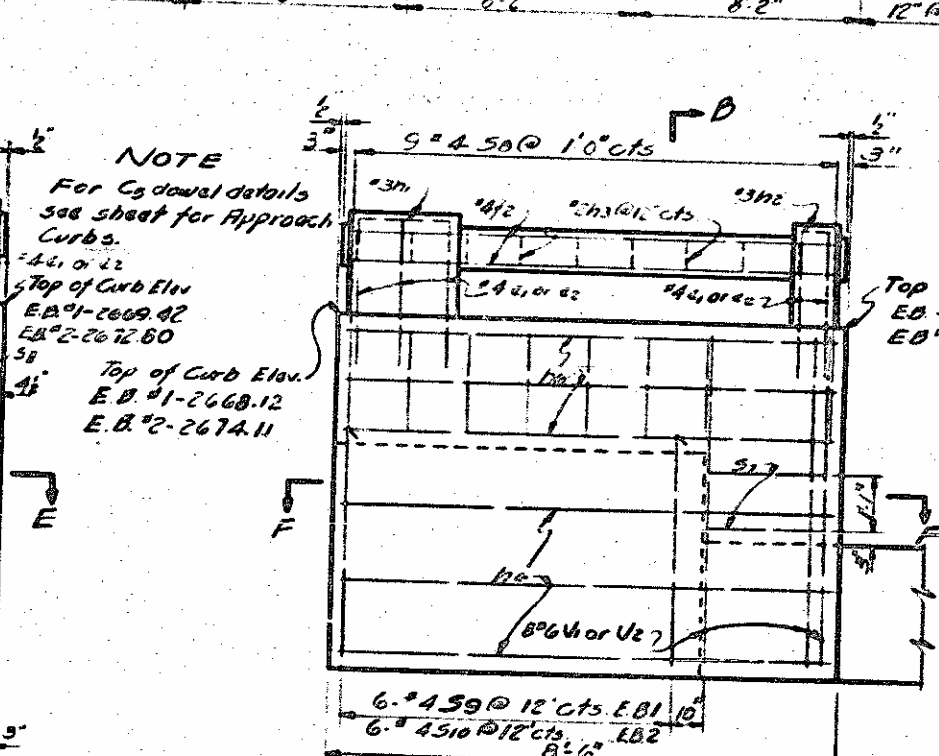
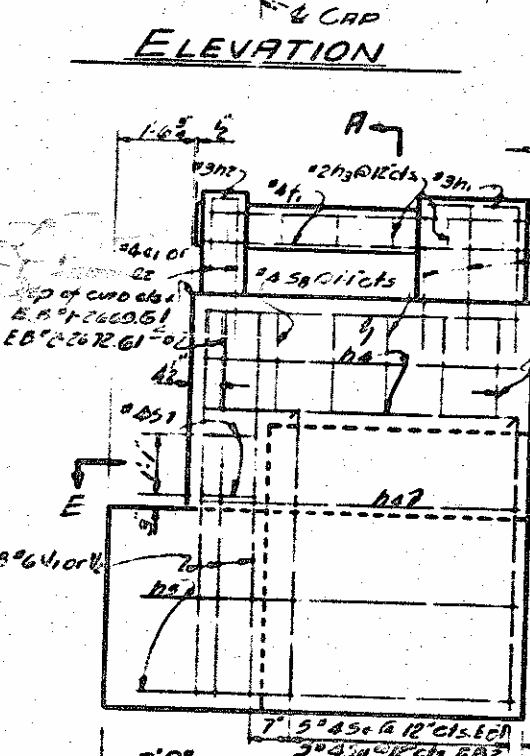
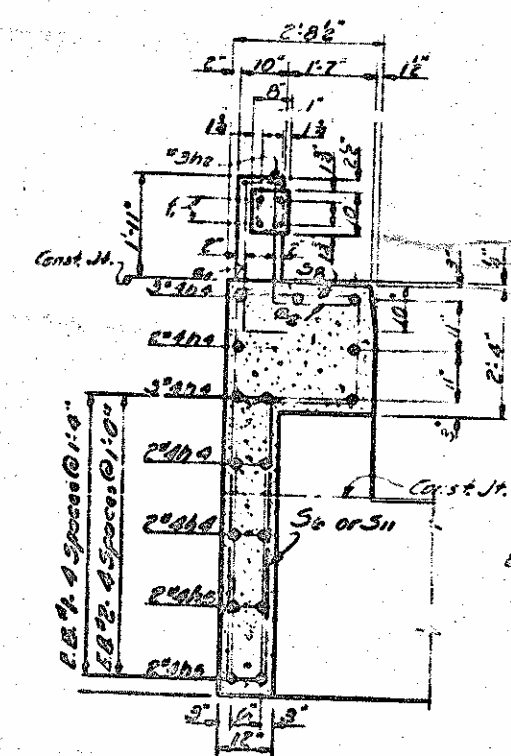
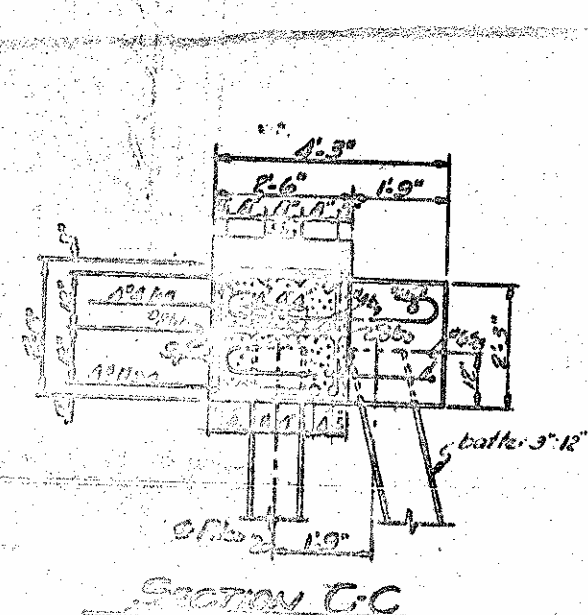
g ₁	10	24	3	3:8"	8
g ₂	10	04	3	4:2"	8
f ₁	4	24	5H	5:0"	1
f ₂	4	04	5H	5:1"	2
h ₁	8	23	7	5:8"	
h ₂	8	03	7	8:10"	
h ₃	13	02	7	8:10"	
h ₄	12	04	5H	5:10"	1
h ₅	9	04	5H	7:0"	1
h ₆	16	44	5H	0:2"	0:

S ₁	60	04	5	2'-4"	11
S ₂	15	04	6	7'-3"	7
S ₃	19	04	6	8'-1"	16
S ₄	28	04	6	9'-1"	17
S ₅	4	06	8	11'-1"	6
S ₆	5	04	6	12'-5"	2
S ₇	4	04	4	2'-2"	2
S ₈	12	04	7	5'-0"	6
S ₉	6	04	6	9'-0"	3

V ₁	0	06	str	7'-0"	62
V ₂	0	06	str	6'-3"	76
S ₁₀	6	04	6	12'-5"	50
S ₁₁	5	04	6	9'-9"	38

Reinforcing Steel lbs. 596
Class A Concrete Cu Yds. 32
12" Ø 53" Steel HP Pile No. 11
12" Ø 53" Steel HP Pile in ft. 11

Reinforcing Steel Nos. 5970
Class 'A' Concrete Cu. Yds. 207
12" @ 33" Steel H Piles No. 10
12" @ 33" Steel H Piles Lin 625



SECTION B-B
For dimensions not shown use
Section A-A.

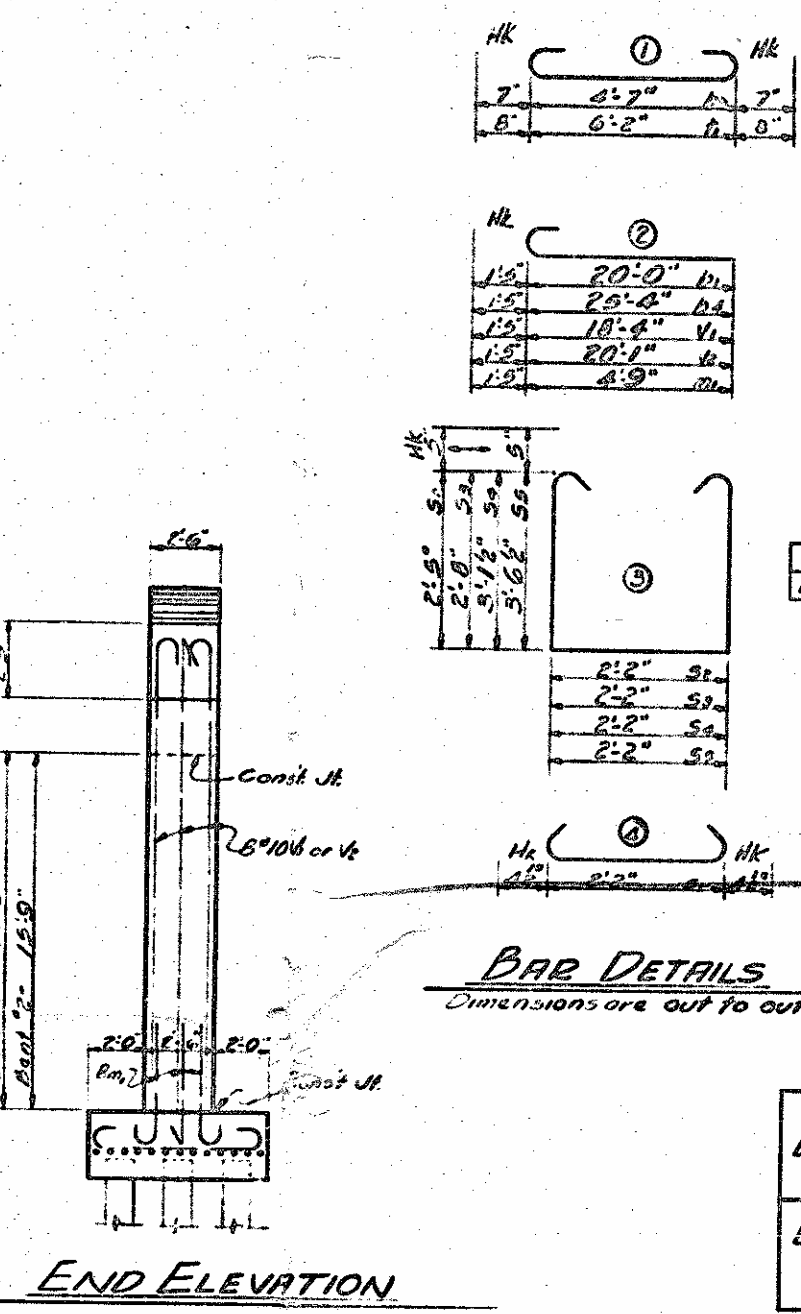
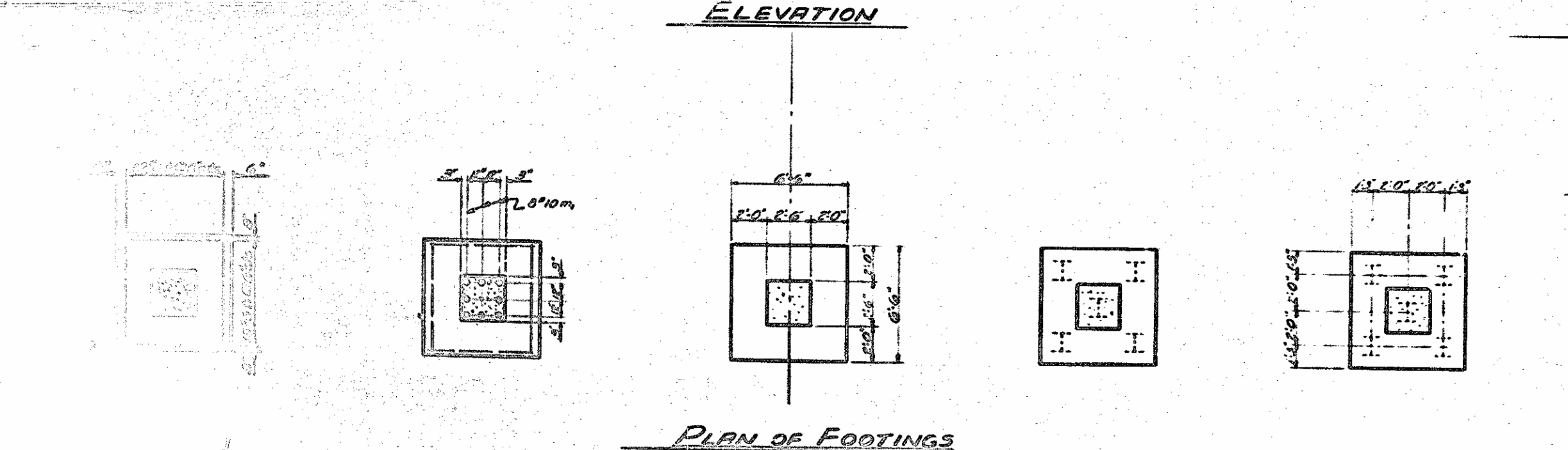
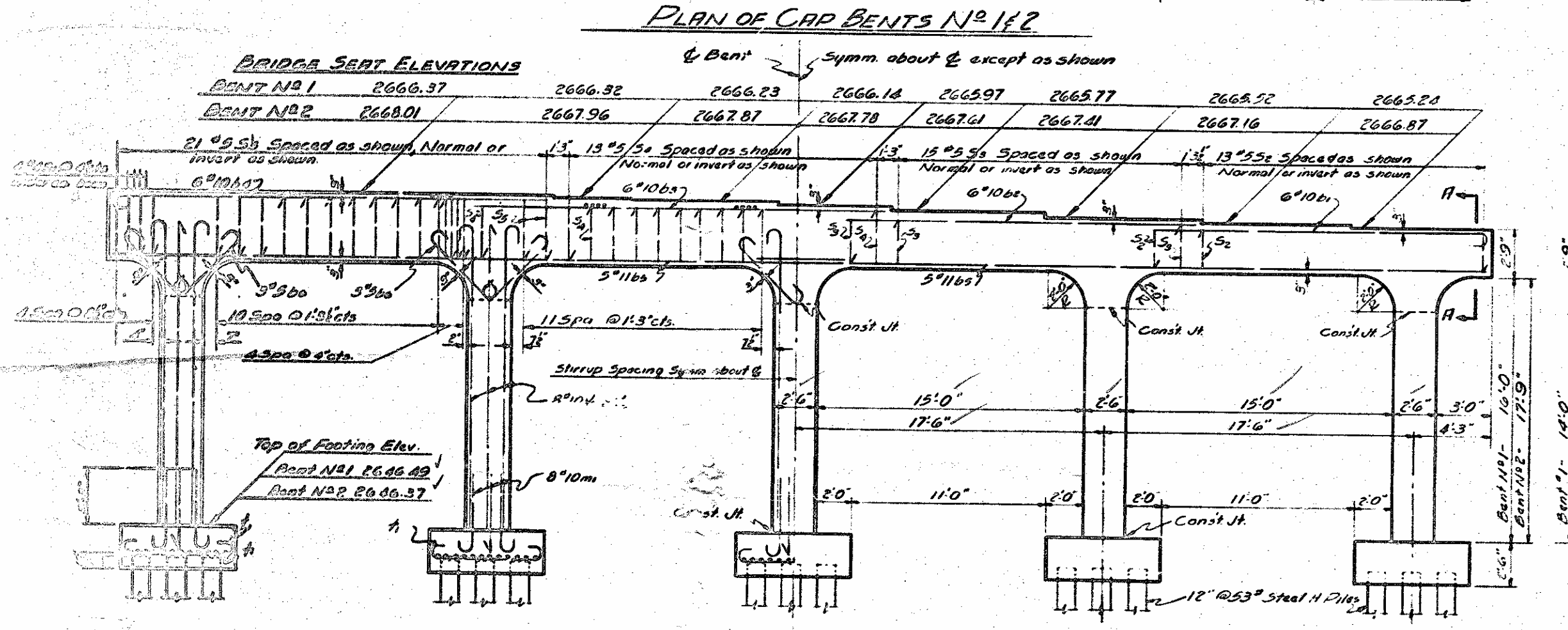
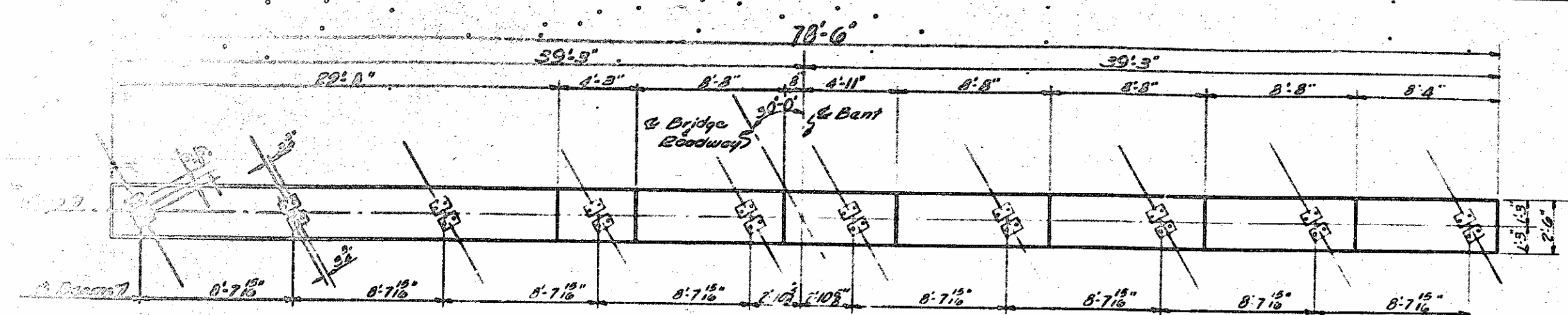
NOTE.
Drive piles to a
bearing capacity of
30 tons each.

PROJECT NO. 8.19430
HAYWOOD COUNTY
STATION: 106+50 "1"

STATE OF NORTH CAROLINA
STATE HIGHWAY COMMISSION

END BENTS №142

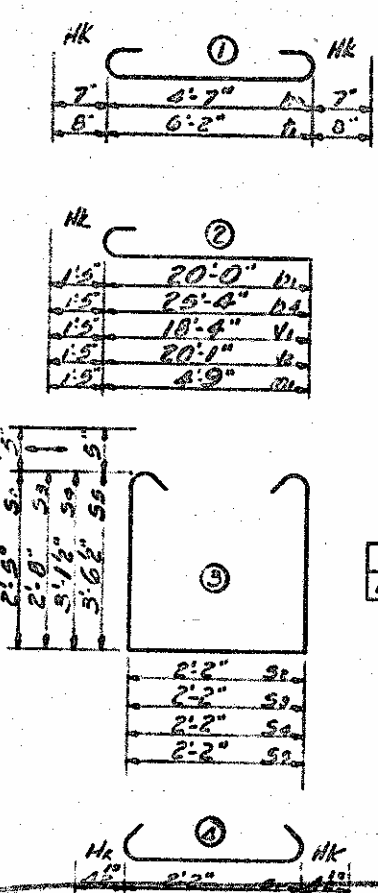
AUGUST, 1950



DATE	BY	CHKD
8-15-39	J. C.	J. C.

TWO REQUIRED
BILL OF MATERIAL
FOR INTERIOR BENT

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
b1	6	1/2"	R	21'-6"	355
b2	6	1/2"	str	20'-7"	351
b3	6	1/2"	str	20'-6"	350
b4	6	1/2"	R	26'-9"	431
b5	12	1/2"	str	21'-6"	355
b6	30	1/2"	R	5'-9"	100
m1	40	3/4"	R	6'-2"	1061
s1	40	2#	A	21'-11"	70
s2	14	2#	3	21'-11"	171
s3	10	2#	3	21'-11"	139
s4	14	2#	3	21'-11"	139
s5	21	2#	3	17'-4"	221
a	122	1/2"	R	7'-6"	1200
bent No 1	1/2"	40	2	19'-9"	2000
bent No 2	1/2"	40	2	21'-6"	2201



BAR DETAILS
Dimensions are out to out

BENT NO 1	Reinforcing Steel lbs. 11,321
BENT NO 2	Reinforcing Steel lbs. 11,321

NOTE
Reinforcing Steel in top of Cap may be shifted as necessary to clear anchor bolts.
Piles to be driven to a min. bearing capacity of 50 tons each.
For Pile Splice details see Sheet for End Bents Sta 186+50

PROJECT NO. 819430
HAYWOOD COUNTY
STATION: 185+50.2

STATE OF NORTH CAROLINA
STATE HIGHWAY COMMISSION

INTERIOR BENTS
AUGUST, 1939