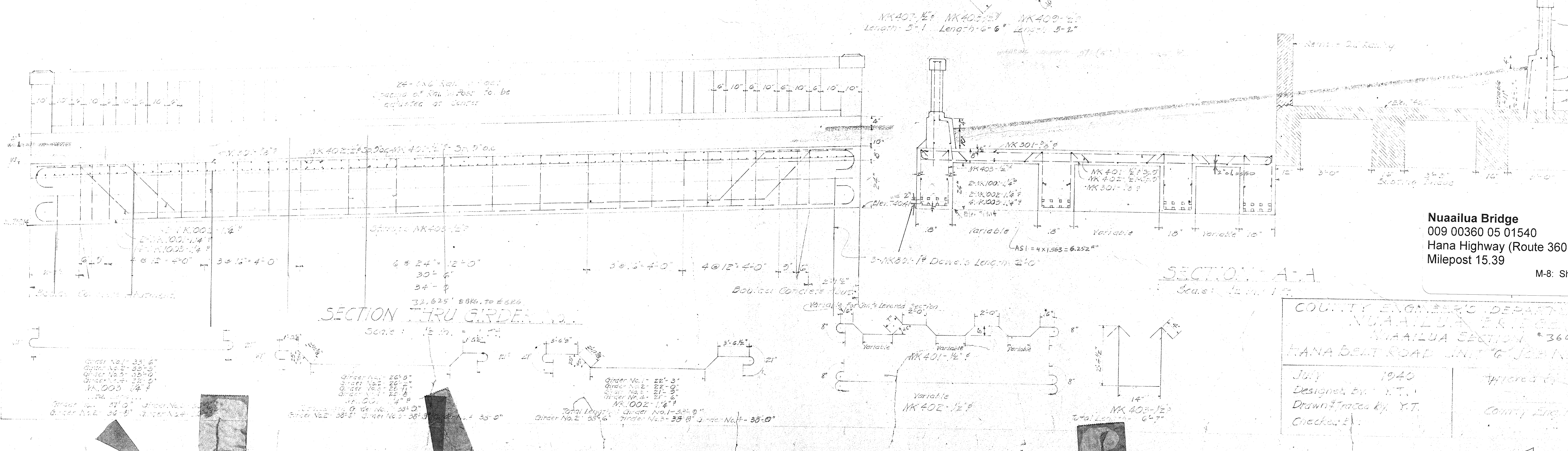
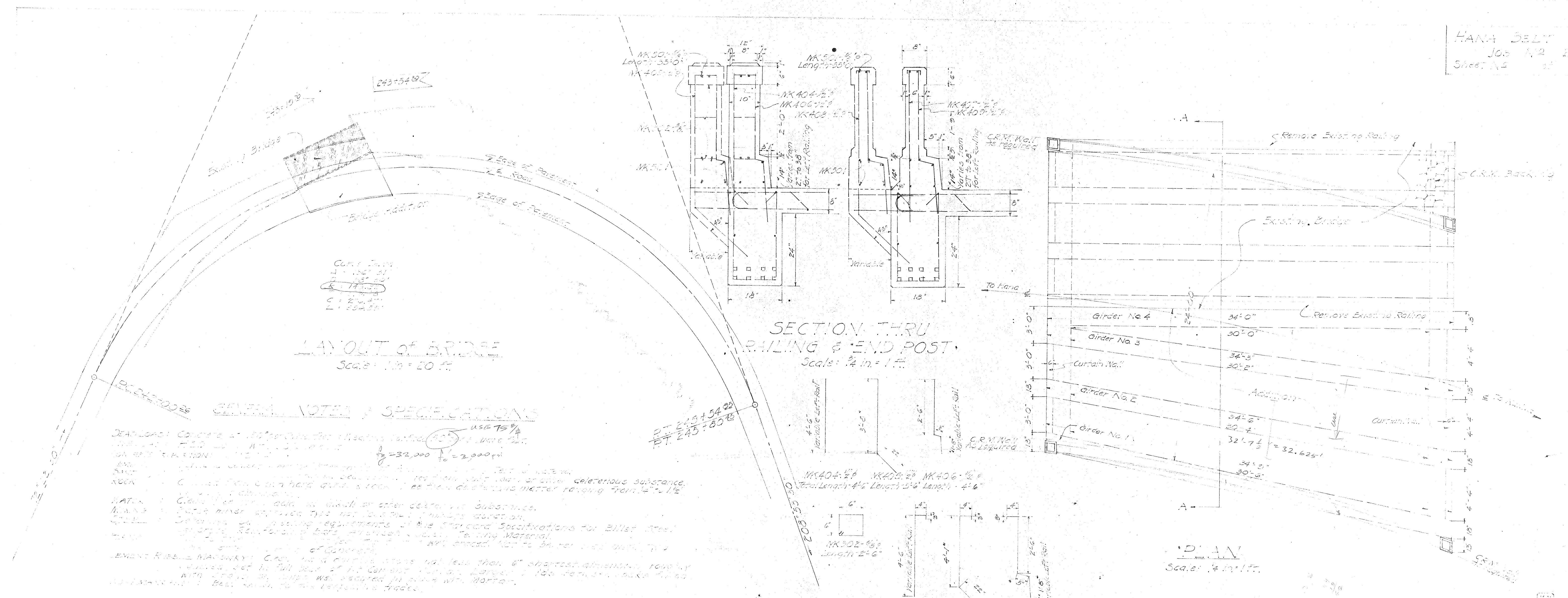




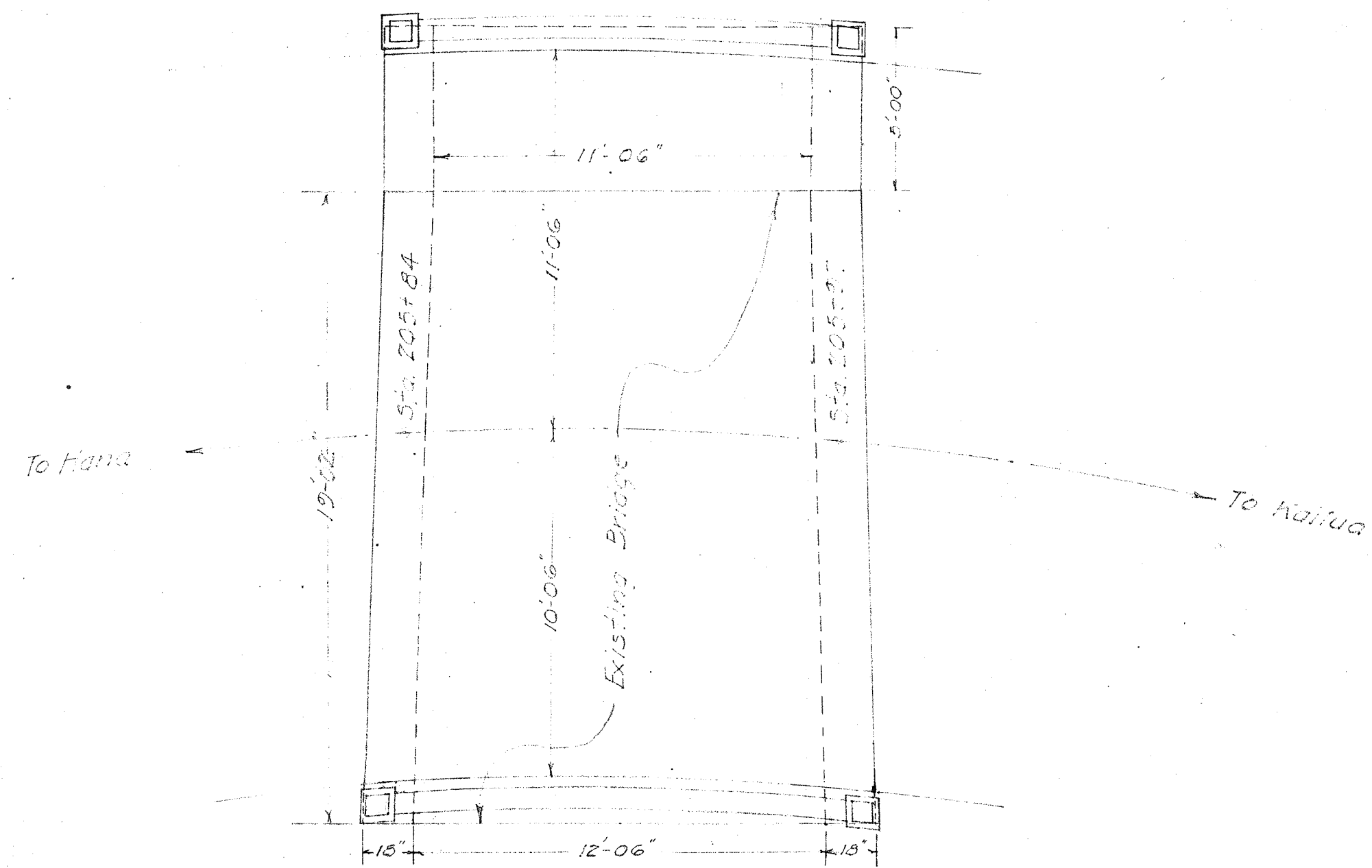
Nuaailua Bridge
009 00360 05 01540
Hana Highway (Route 360)
Milepost 15.39

M-8: Sht. 7 of 21

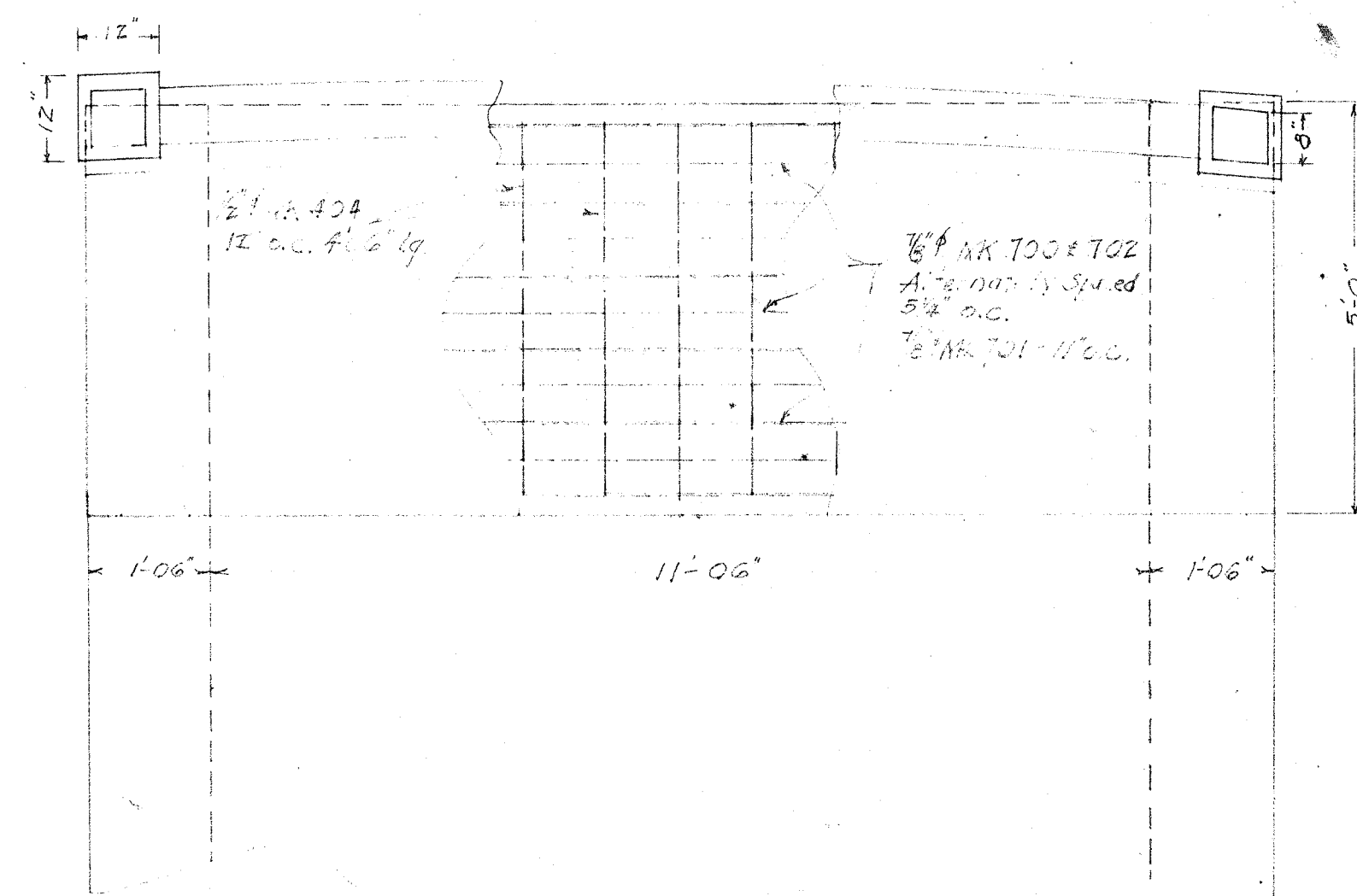
COUNTY ENGINEER'S DEPARTMENT
NUAAILUA BRIDGE
NUAAILUA SECTION #360011
HANA BELT ROAD UNIT 6 JOB NO. 21.5

July 1940
Designed by: Y.T.
Drawn & Traced by: Y.T.
Checked by: Y.T.

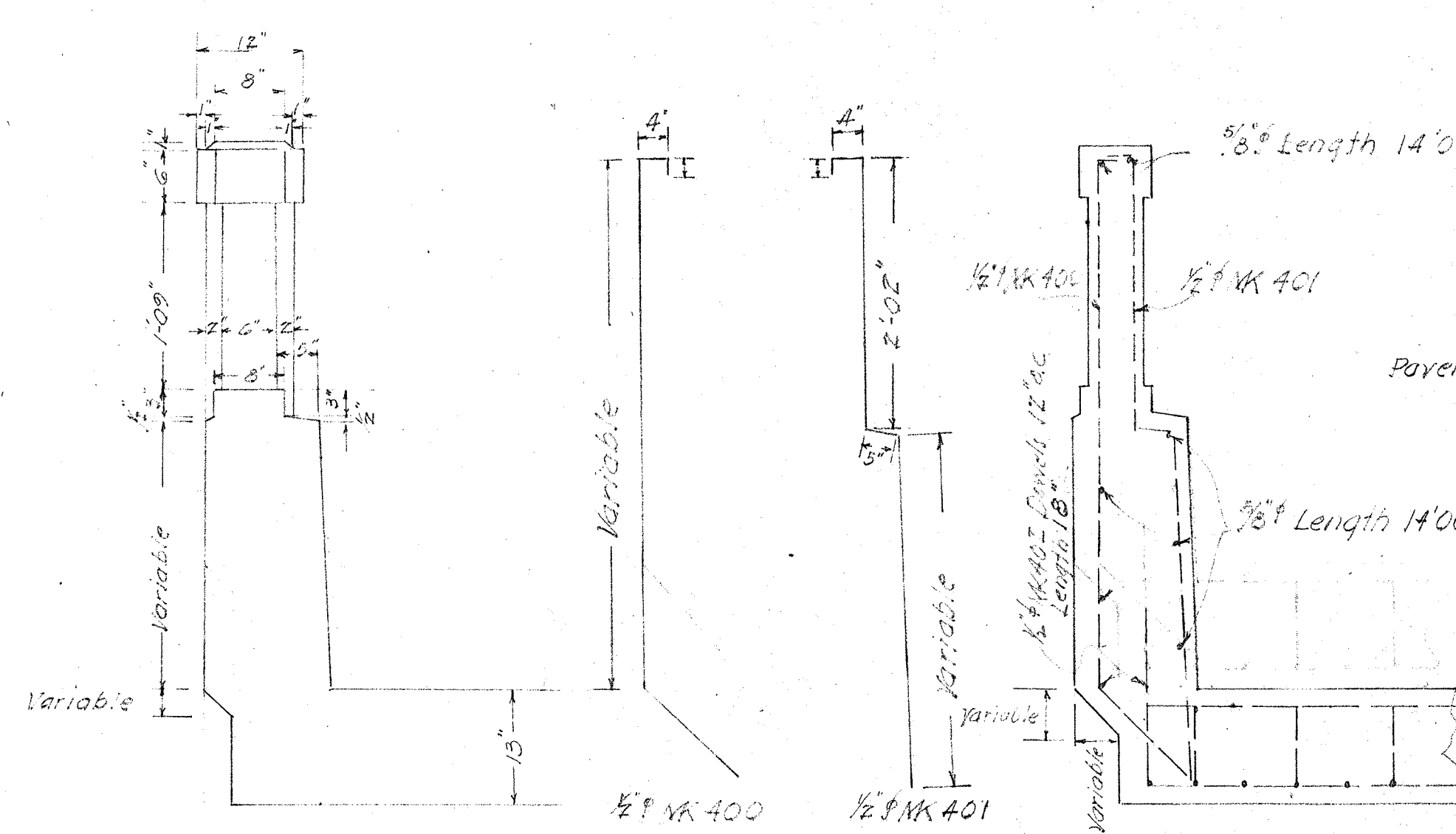
County Engineer



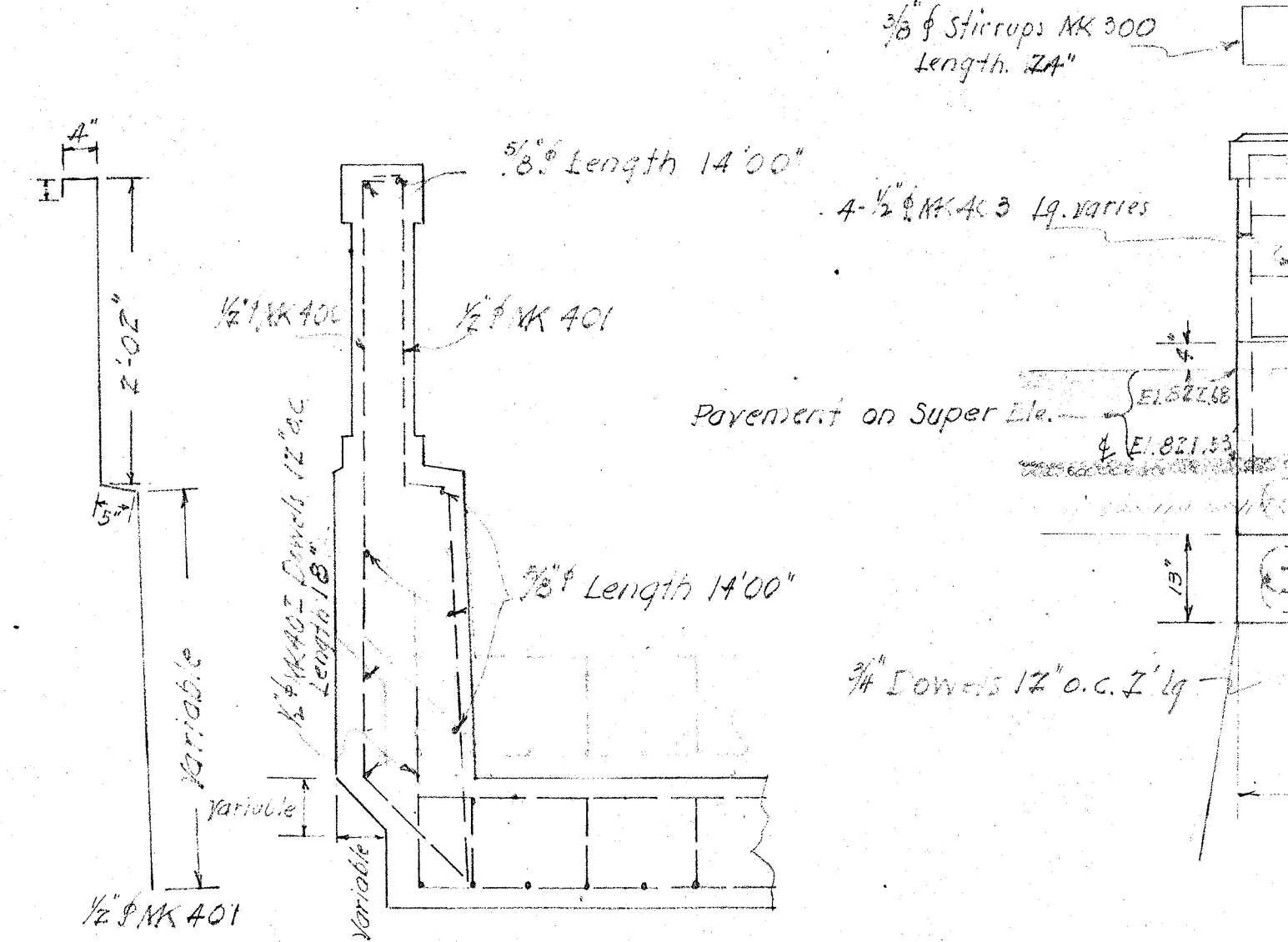
LAYOUT
Scale: 1/4" = 1'-0"



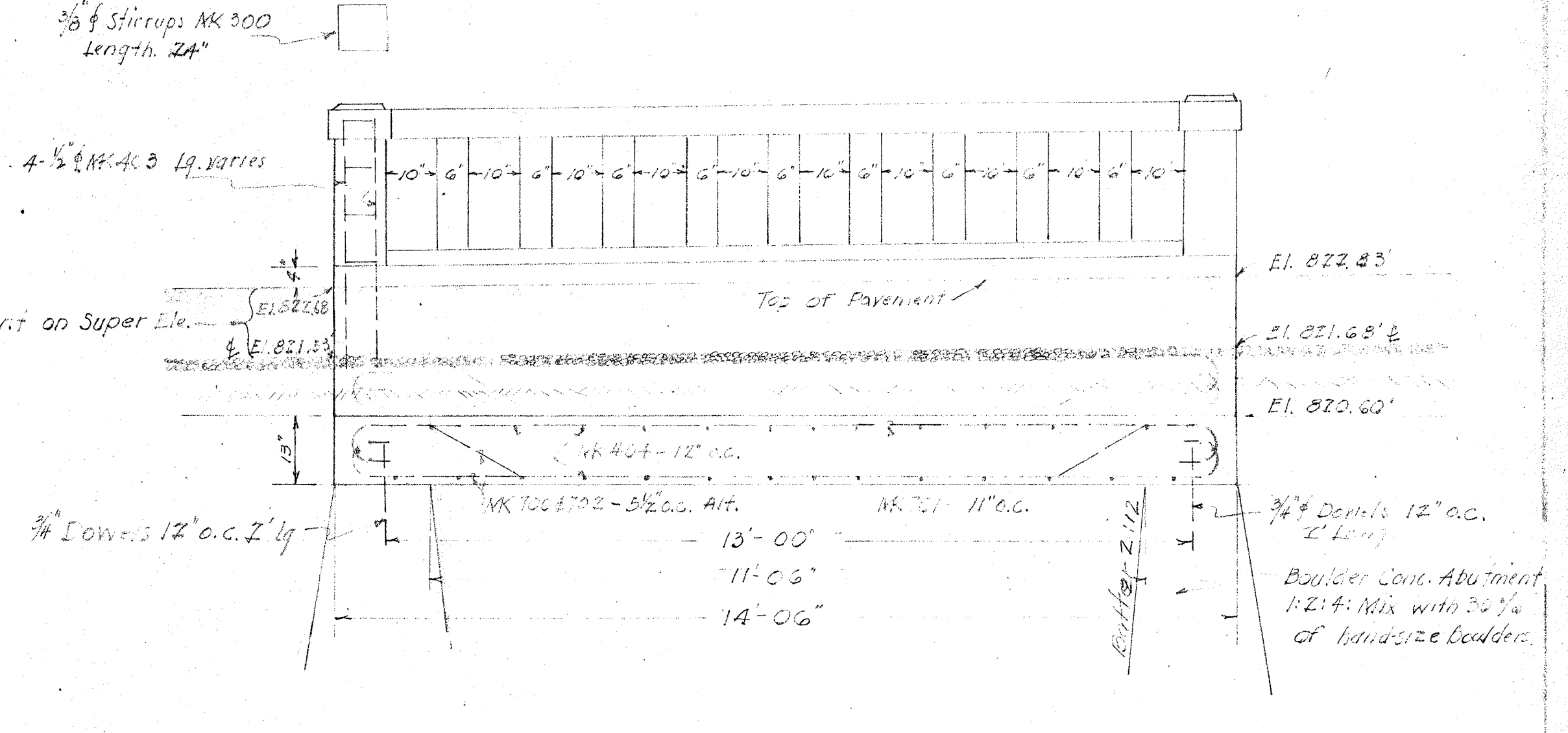
PLAN
Scale: 1/2" = 1'-0"



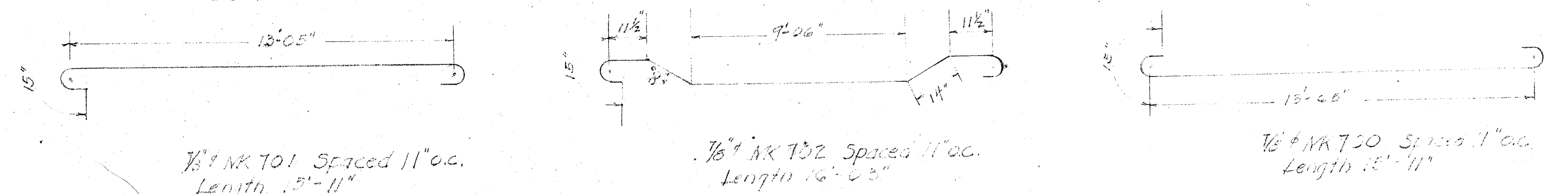
SECTION THRU RAILING
Scale: 3/4" = 1'-0"



DETAILS OF RAILING
REINFORCING
Scale: 3/4" = 1'-0"



LONGITUDINAL SECTION
Scale: 1/2" = 1'-0"

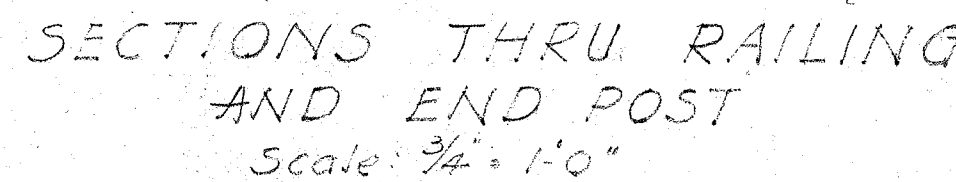


SECTION THRU STA. 205+90
Scale: 1/2" = 1'-0"

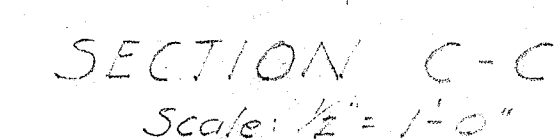
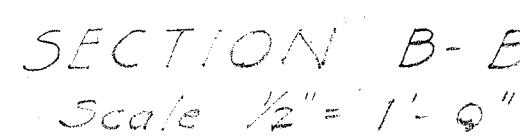
General Notes
DEAD LOAD: Concrete at 150# per cubic foot.
Wearing Surface 50# per square foot.
LIVE LOAD: H 20 with 30% impact.
CONCRETE: Class A (1:2:4 Mix) with all exposed edges chamfered 1/4" unless otherwise noted.
Allowable Compressive 6500# per sq. in.
Allowable tensile stress 16000# per sq. in.
REINFORCING STEEL: Allowable tensile stress 16000# per sq. in. All steel to be round or square deformed bars of approved design. All dimensions relating to reinforcement are to centers of bars unless otherwise noted. Main longitudinal bars are not to be spliced. Unless otherwise noted for minimum covering measured from the surface of the concrete to the face of any steel shall be not less than 2 ins. Steel to be bent rigidly and accurately in place before and during placing of concrete.
Allowable Shearing Stress 15000# per sq. in.

Nuaailua Bridge
(Bridge Name Unknown)
Hana Highway (Route 360)
Milepost (Unknown)
M-8: Sht. 8 of 21

COUNTY ENGINEER'S DEPARTMENT
SLAB BRIDGE
NUAAILUA SECTION
HANA BELT ROAD UNIT #6 JOB NO. Z13-B
APRIL 1939
DESIGNED BY: Y.T.
DRAWN & TRACED BY: Y.T.
CHECKED BY: U.M.
APPROVED
COUNTY ENGINEER



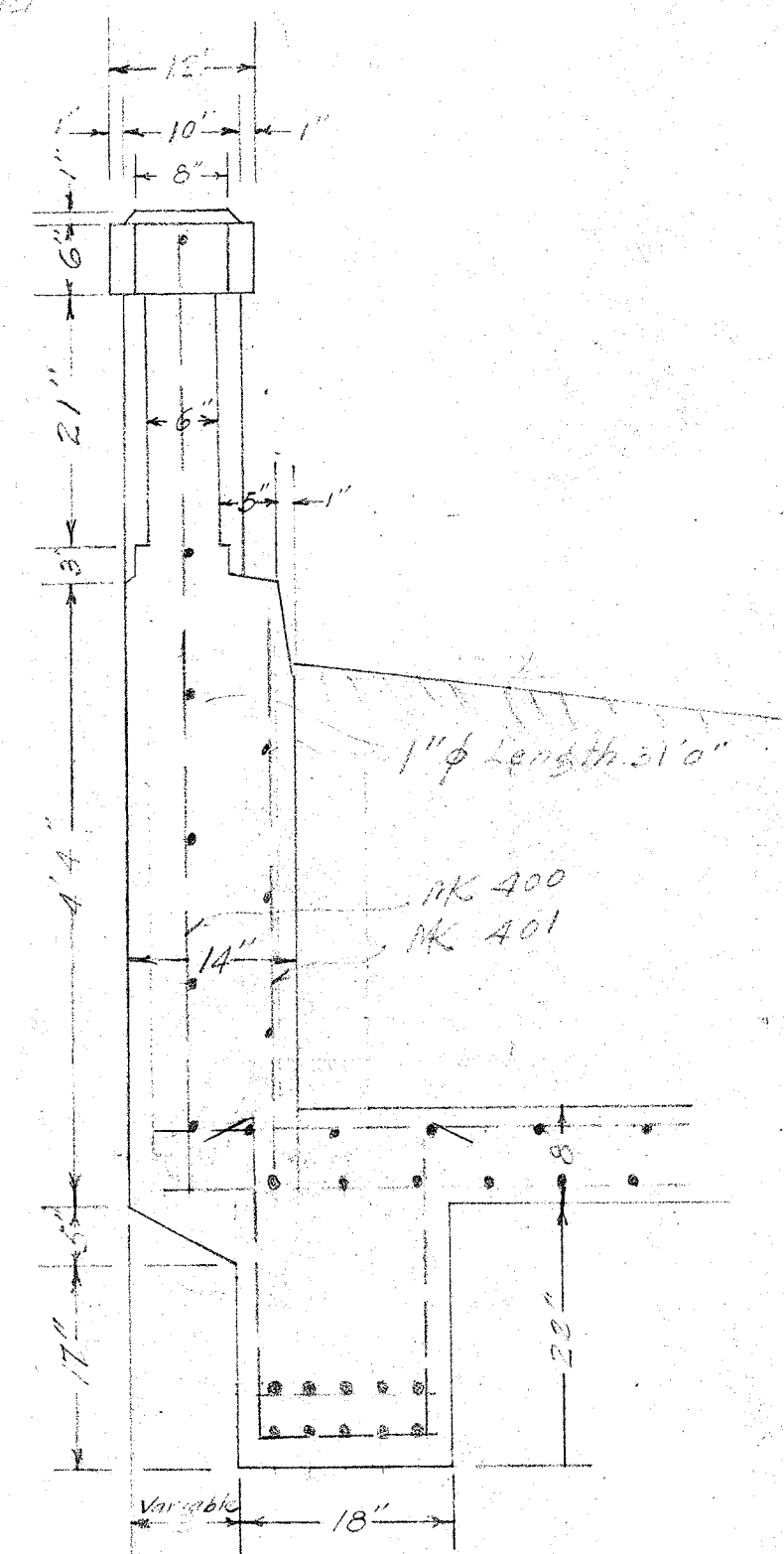
SECTION A-A
Scale: $\frac{1}{4}'' = 1'-0''$



M-8: Sht. 9 of 21

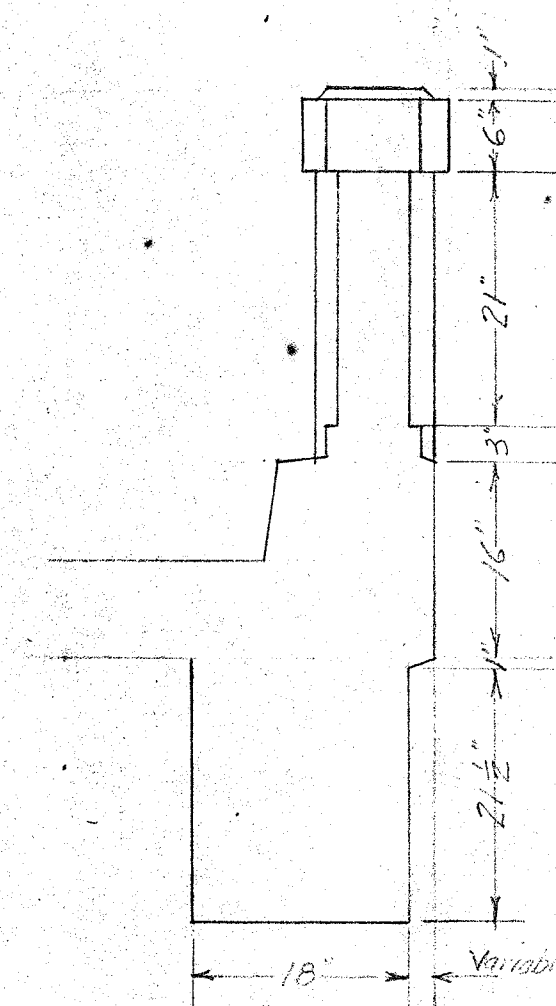
48" stirrups NK 300
Spaced as shown
Total Length 6' 0 8"
Use either type

COUNTY ENGINEER'S DEPARTMENT NOAHAILUA BRIDGE NOAHAILUA SECTION HANA BELT ROAD UNIT #6 JOB No 215-B	
APRIL - 1939 DESIGNED BY: Y.T. DRAWN & INCHES BY: Y.T. CHECKED BY: J.M. dn	APPROVED <i>[Signature]</i> COUNTY ENGINEER

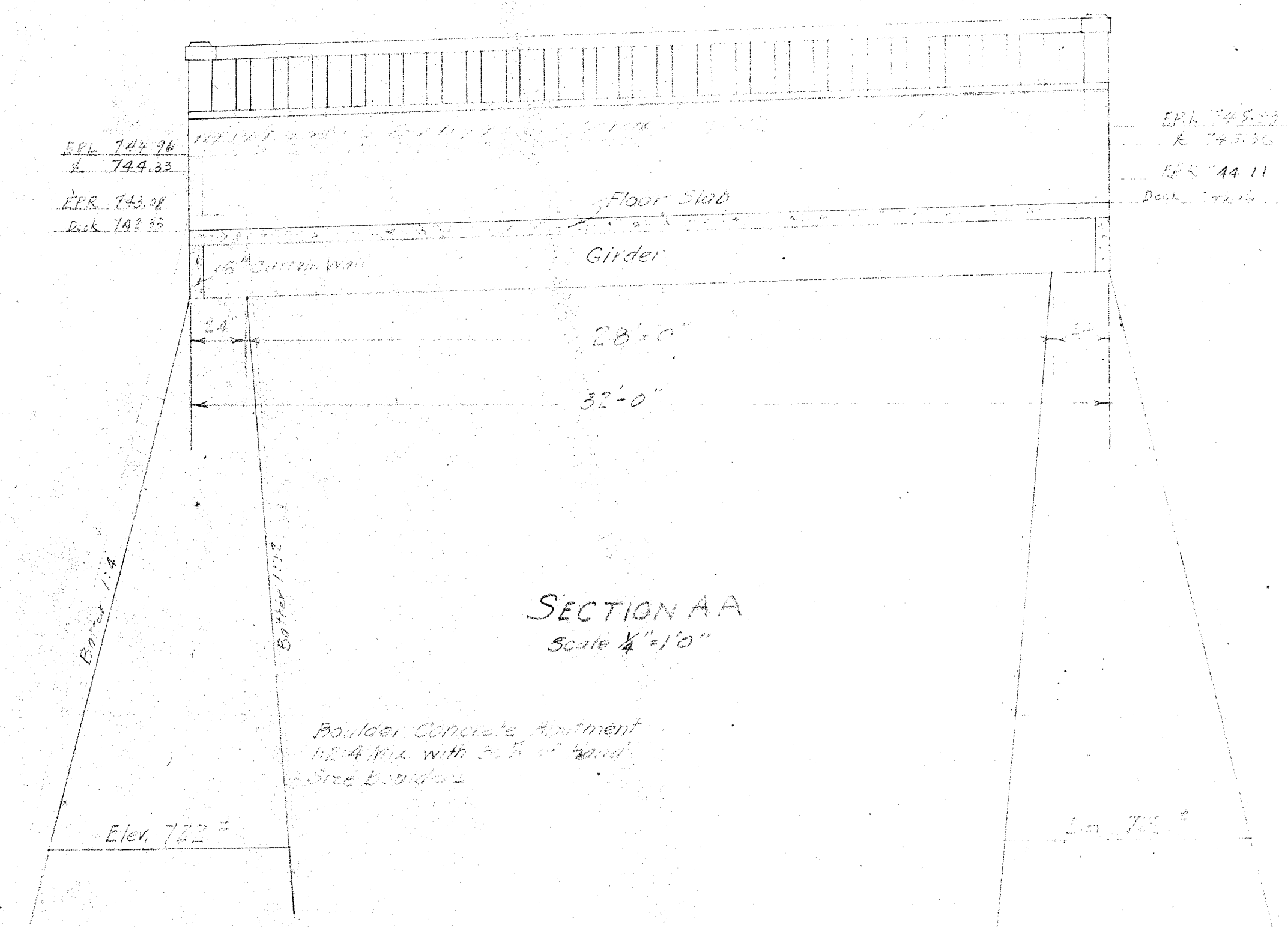


PLAN
Scale $\frac{1}{4}" = 1'-0"$

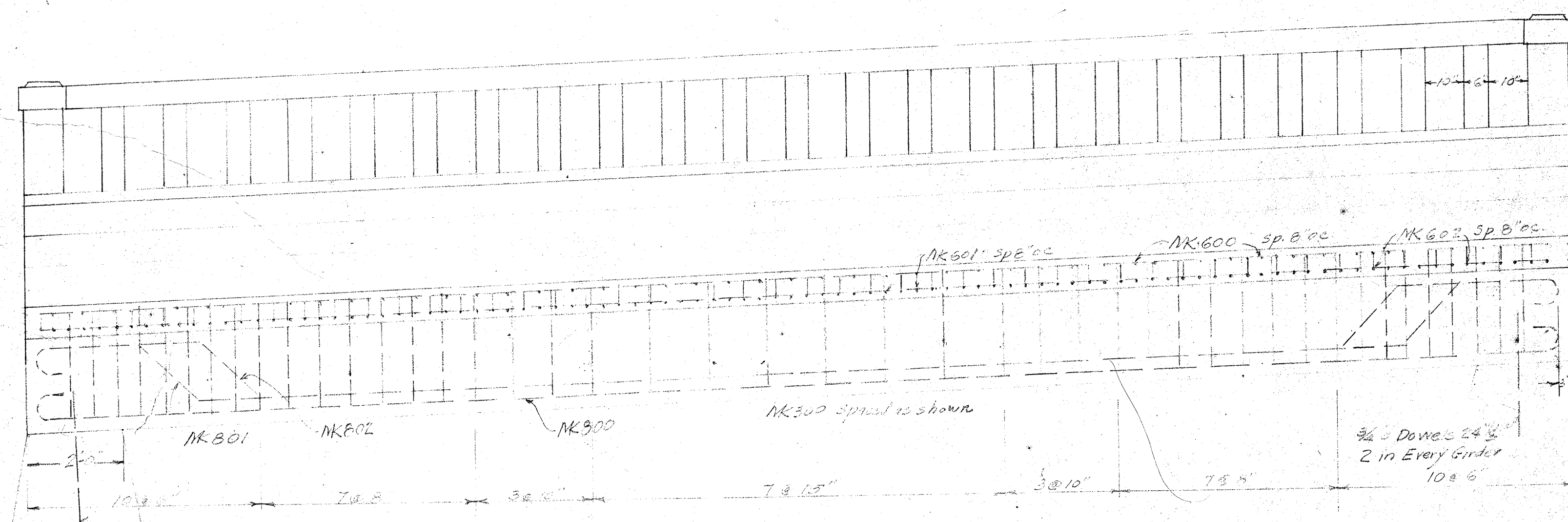
SECTION X-X
Scale $\frac{3}{4}" = 1'-0"$



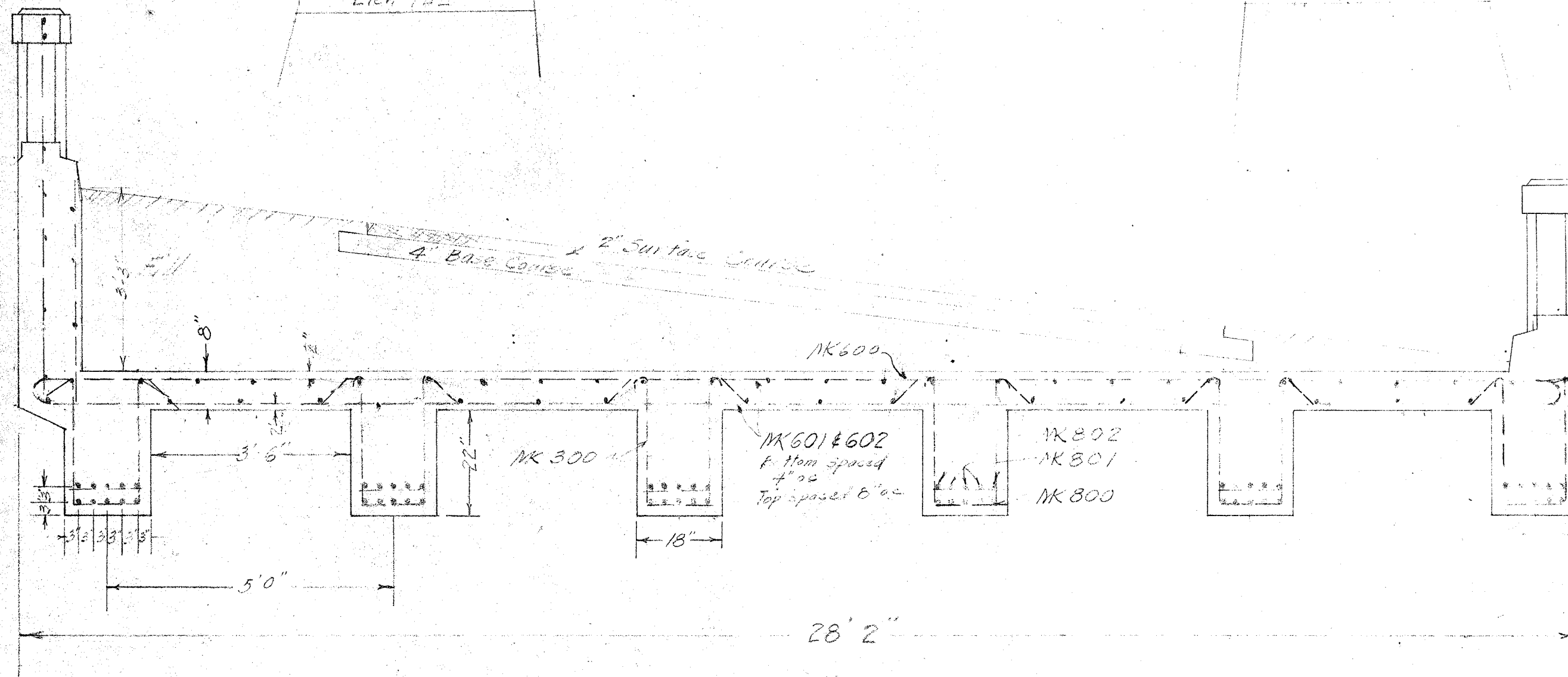
SECTION Y-Y
Scale $\frac{3}{4}" = 1'0"$



SECTION AA
Scale $\frac{1}{4}" = 1'0"$



SECTION A-A
Scale $\frac{1}{2}" = 1'0"$



SECTION B-B
Scale 1/4" = 1'-0"

M-8: Sht. 10 of 21

COUNTY ENGINEERS DEPARTMENT	
NOAA ILUA BRIDGE	
NOAA ILUA SECTION	
HANA BELT ROAD UNIT 6 JOB No. 215	
-Sept 1939 DESIGNED BY MS. DRAWN & TRACED BY MS. CHECKED BY:	APPROVED  COUNTY ENGINEER

General Notes

DEAD LOAD: Concrete at 150[#] per cubic foot
Wearing surface 50[#] per square foot
H₂O Load with 30[#] impact
LIVE LOAD: CONCRETE Slab 4' (12' x 4' Min) with all exposed edges chamfered $\frac{3}{4}$ " unless otherwise noted
Allowable Compression 2500[#] per sq. in.

REINFORCING STEEL allowable tensile stress 16000[#] per sq. in. All steel to be round or square deformed bars of approved design. All dimensions relating to reinforcement are to centers of bars unless otherwise noted. Main longitudinal bars are not to be spliced unless otherwise noted. The minimum covering measured from the surface of the concrete to the face of any steel shall be not less than 2 inches in beams, girders and slabs and 1 1/2 in slab. Steel to be held rigidly and accurately in place before and during placing of concrete
Allowable shearing stress 15000[#] per sq. in.

