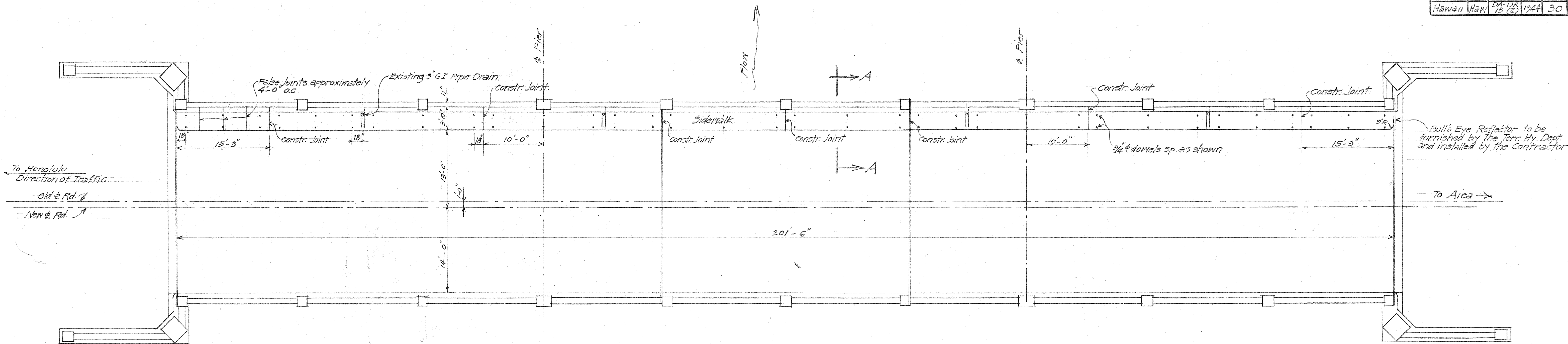
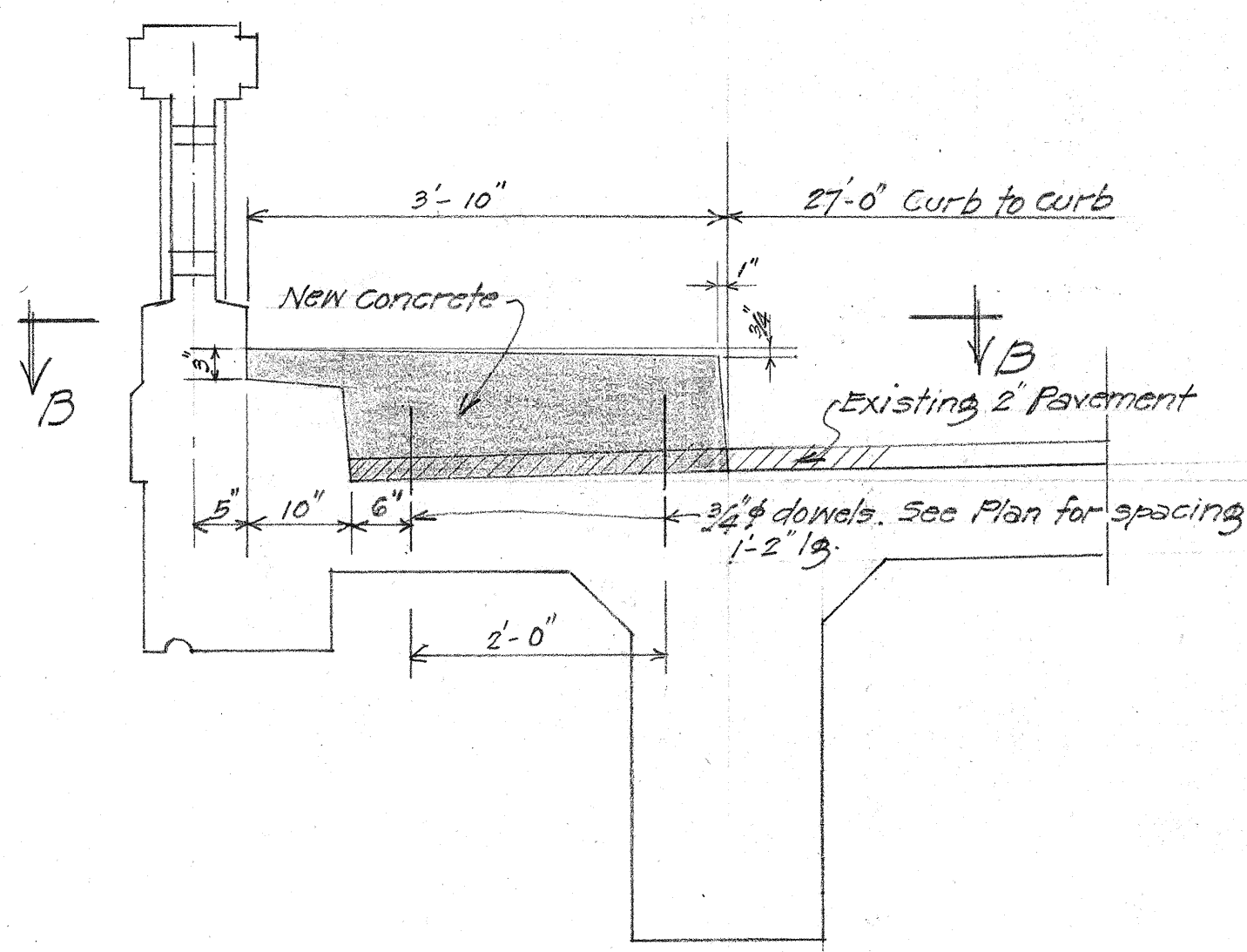


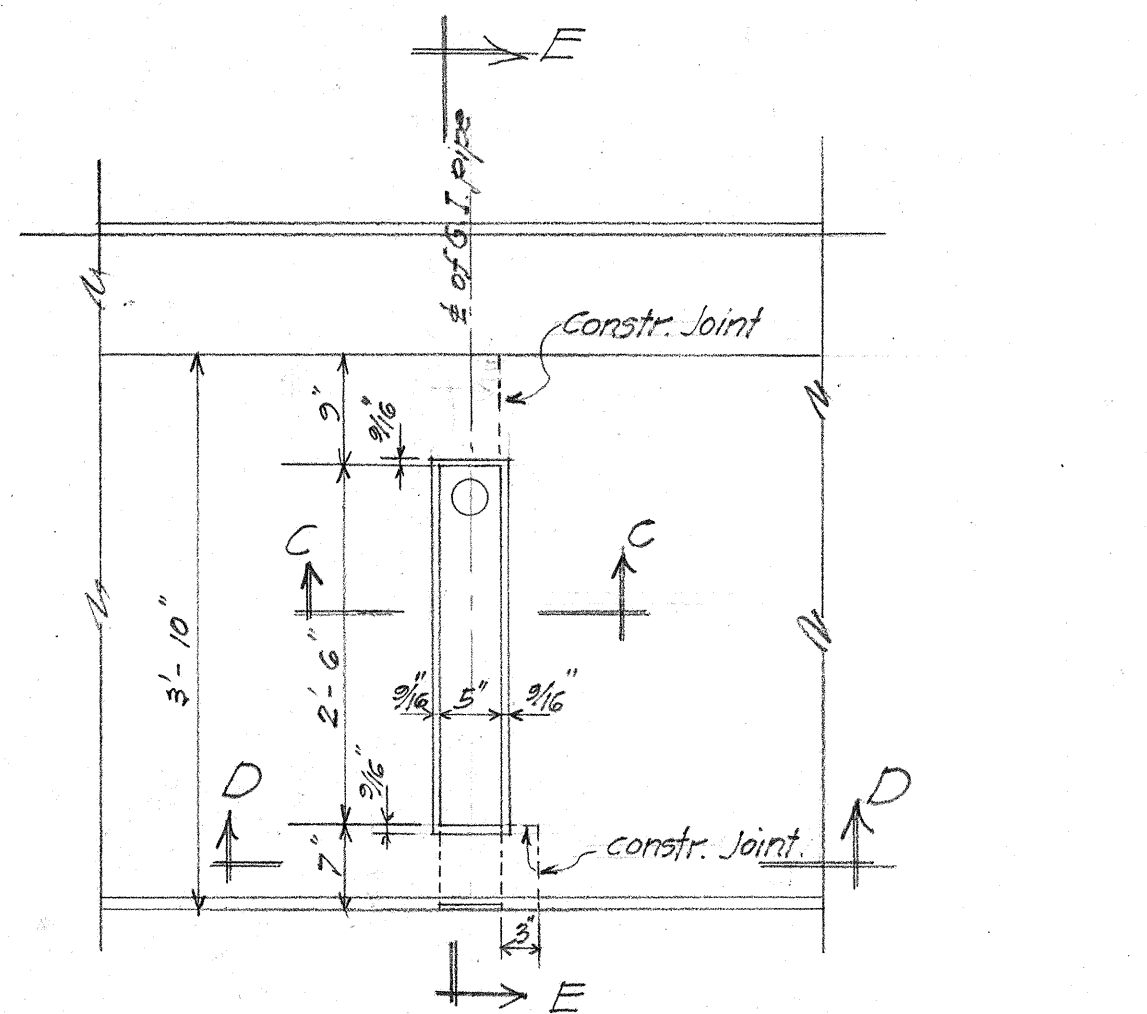
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
Hawaii	Haw	DA-NR 13(2)	1944	30	70



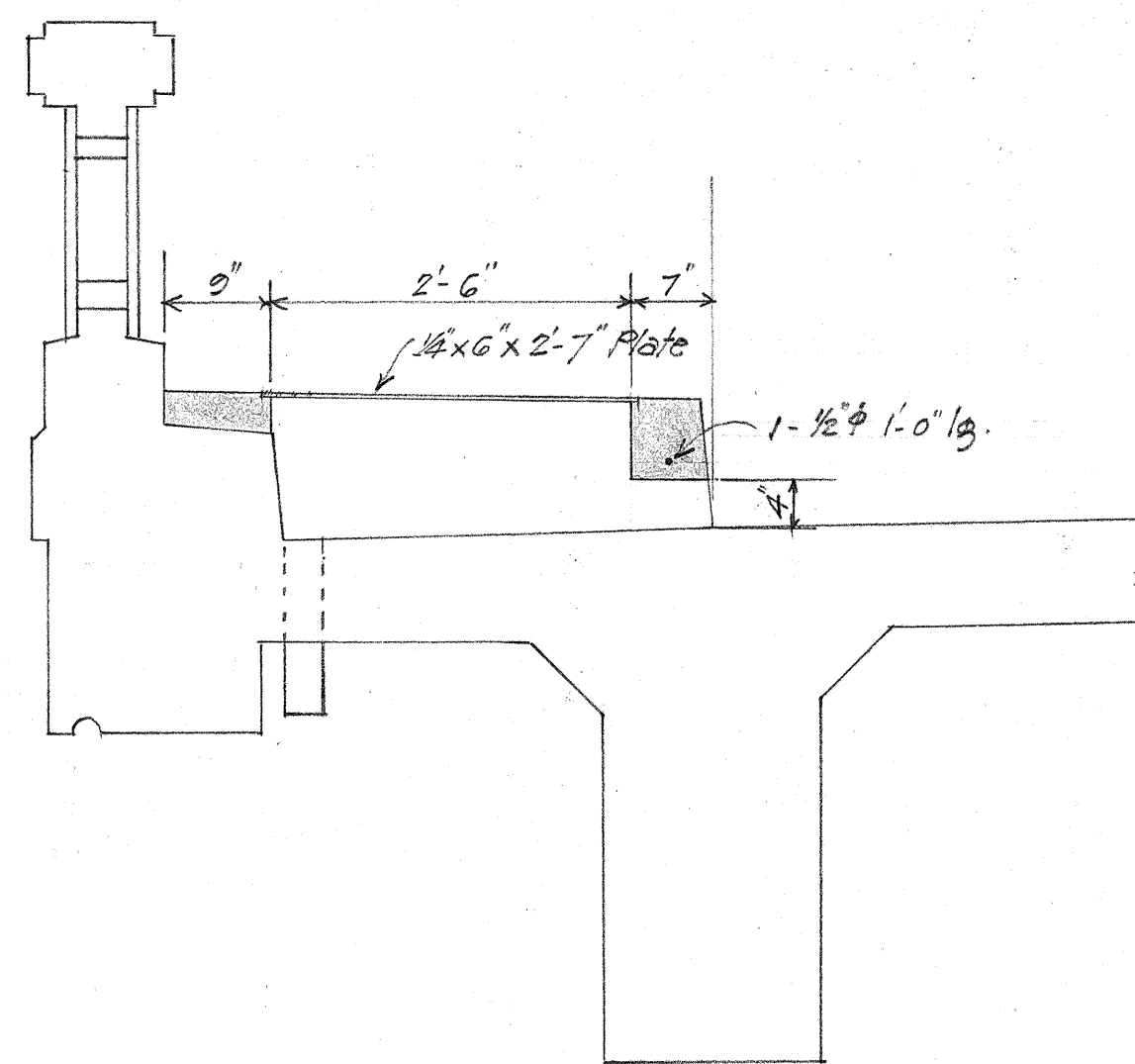
LAYOUT PLAN. EXISTING BRIDGE
1/8" = 1'-0"



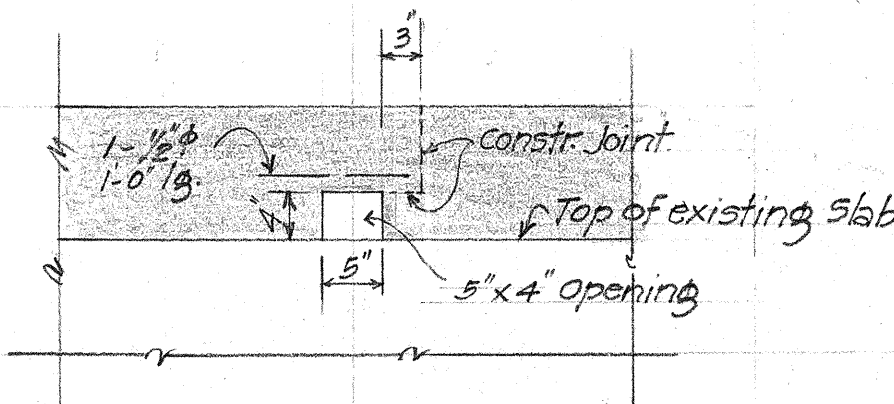
SECTION A-A
3/4" = 1'-0"



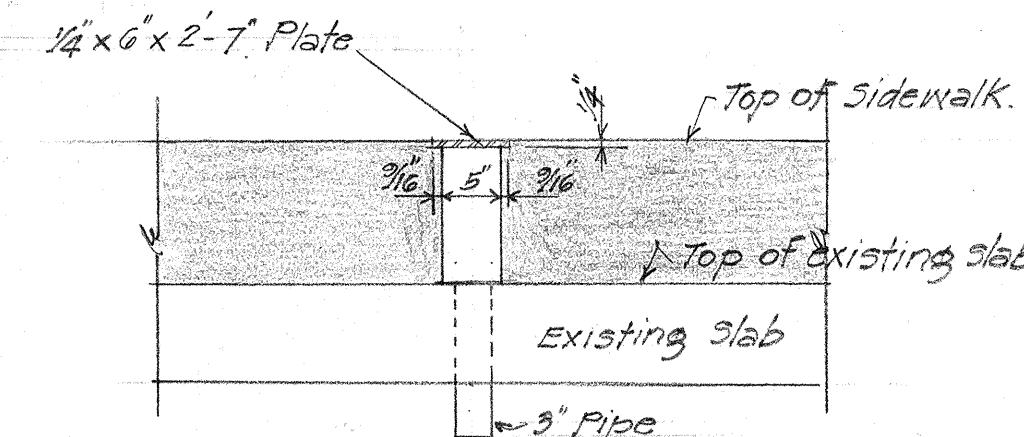
PLAN B-B AT 3" G.I. PIPE DRAIN
3/4" = 1'-0"



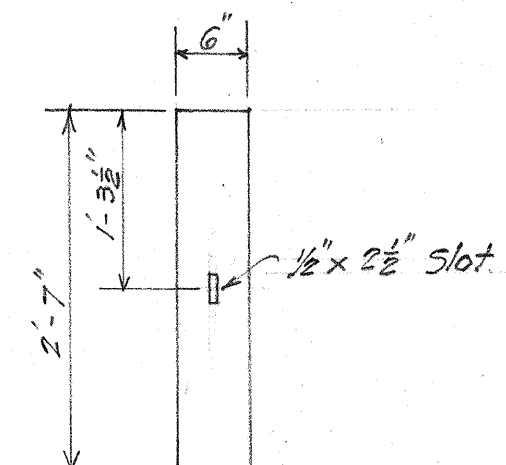
SECTION E-E
3/4" = 1'-0"



SECTION D-D
3/4" = 1'-0"



SECTION C-C
3/4" = 1'-0"



DETAIL OF 1/4" PLATE
3/4" = 1'-0"

Required: 4 - 1/4" x 6" x 2'-7" Plates.
Note: Plates to be incidental to Class C-1 concrete.

ESTIMATED QUANTITIES

Class C-1 Conc.	23.25 C.Y.
Reinf. Steel.	122.0 lbs.

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII

SIDEWALK DETAIL
HALAWA BRIDGE

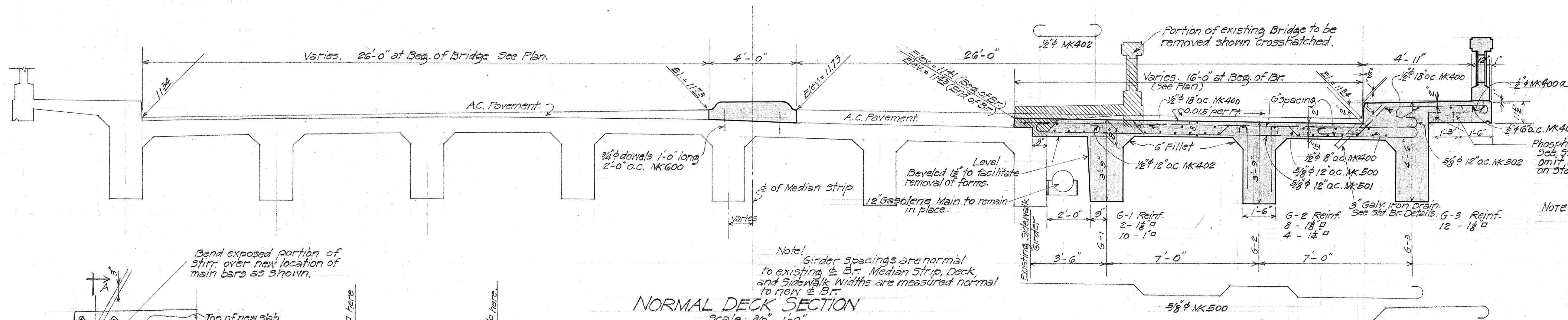
KAM. HY. DANR 13(2)

Sep. 1944
SHEET NO. 1 OF 1 SHEETS

5143.30

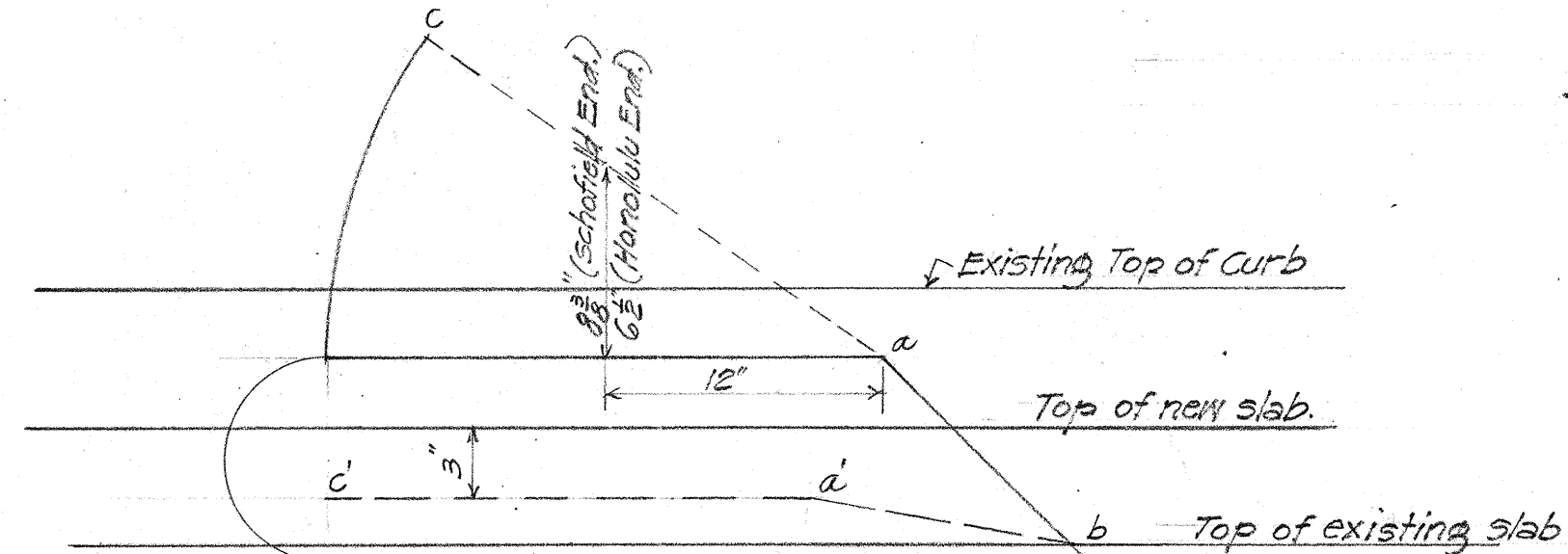
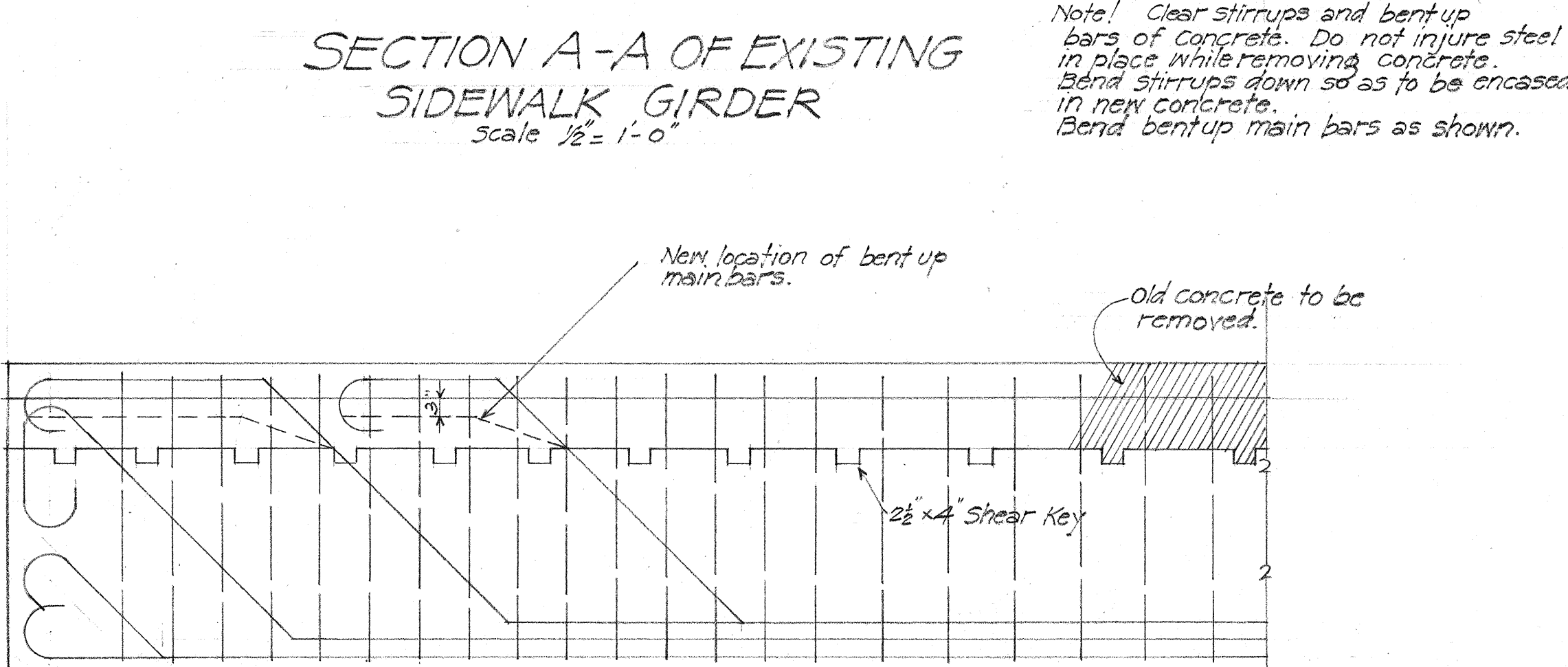
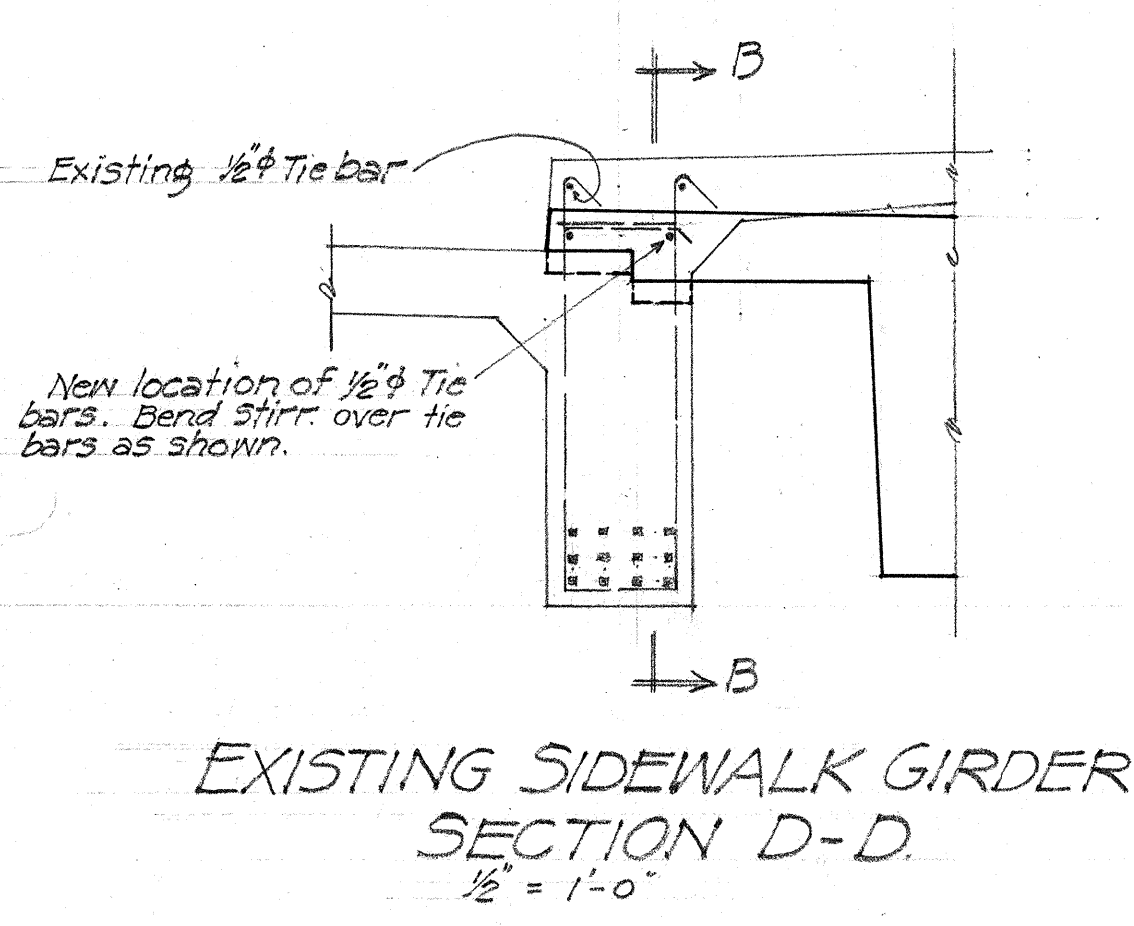
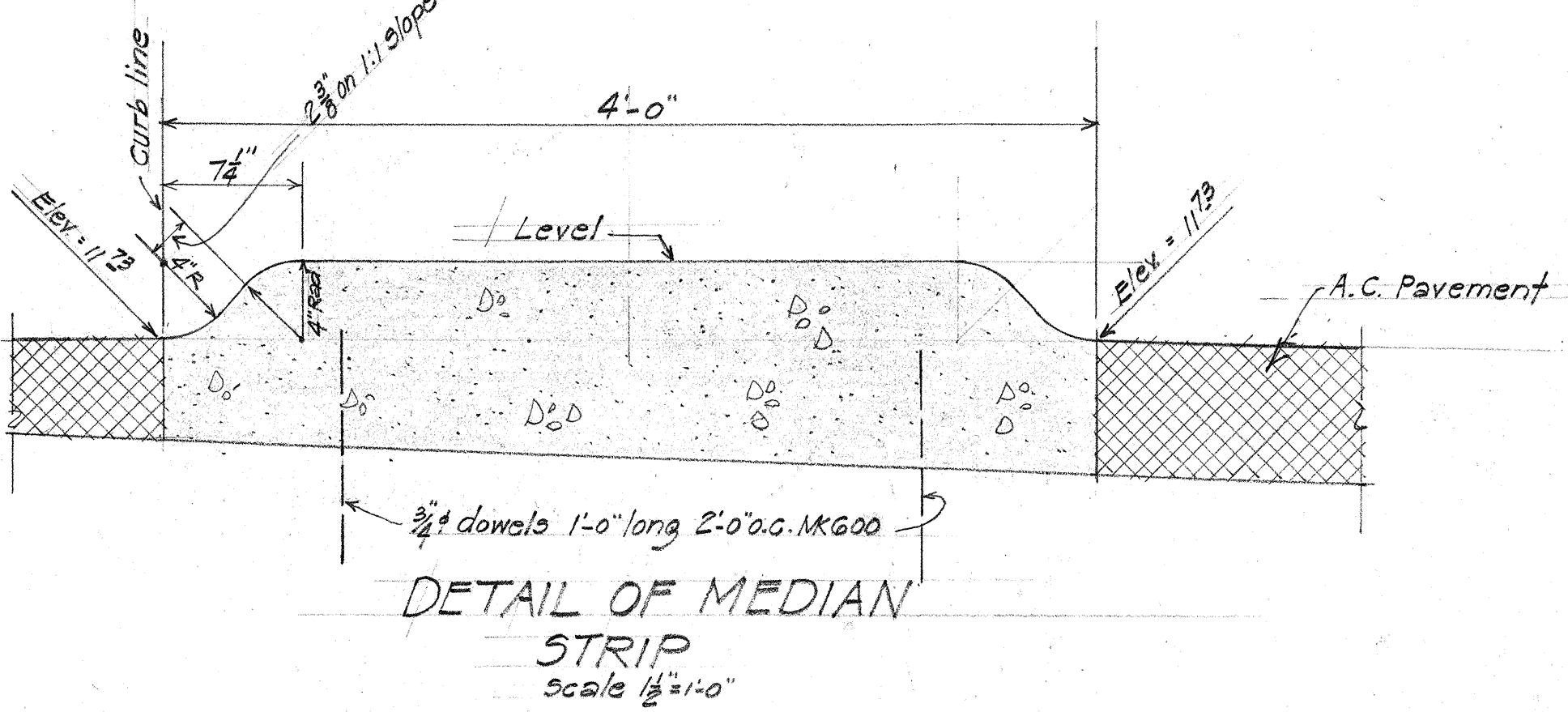
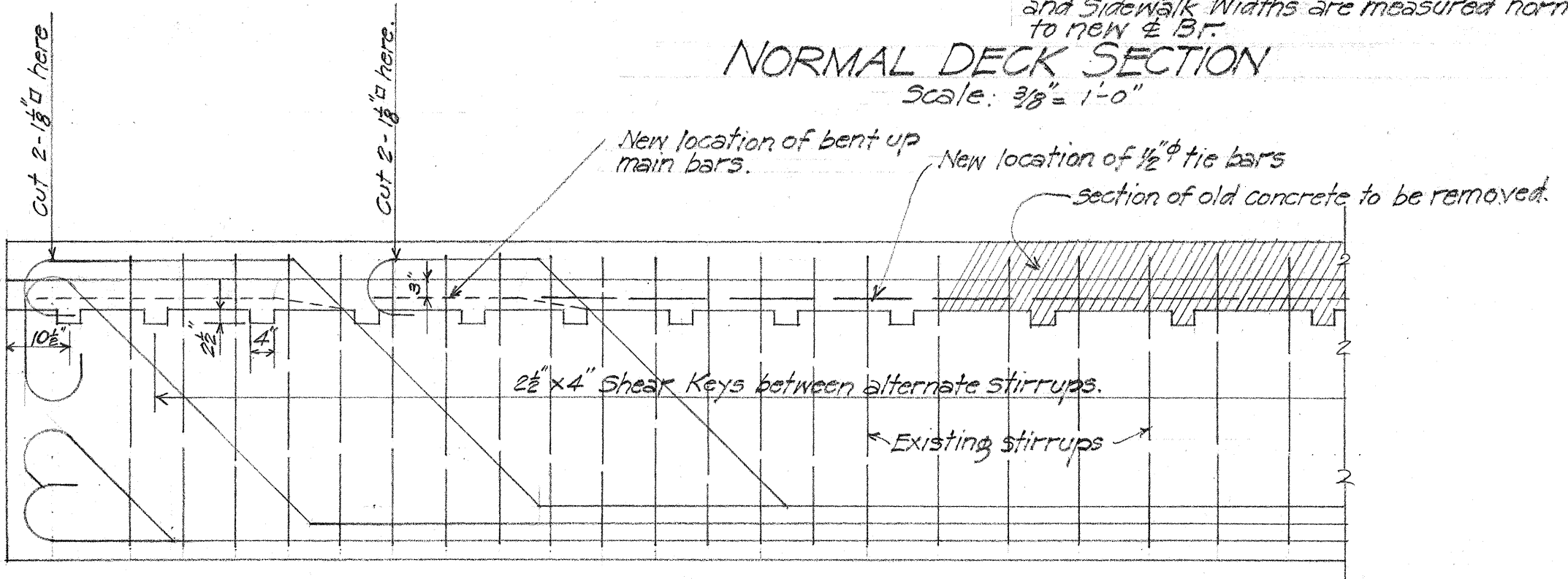
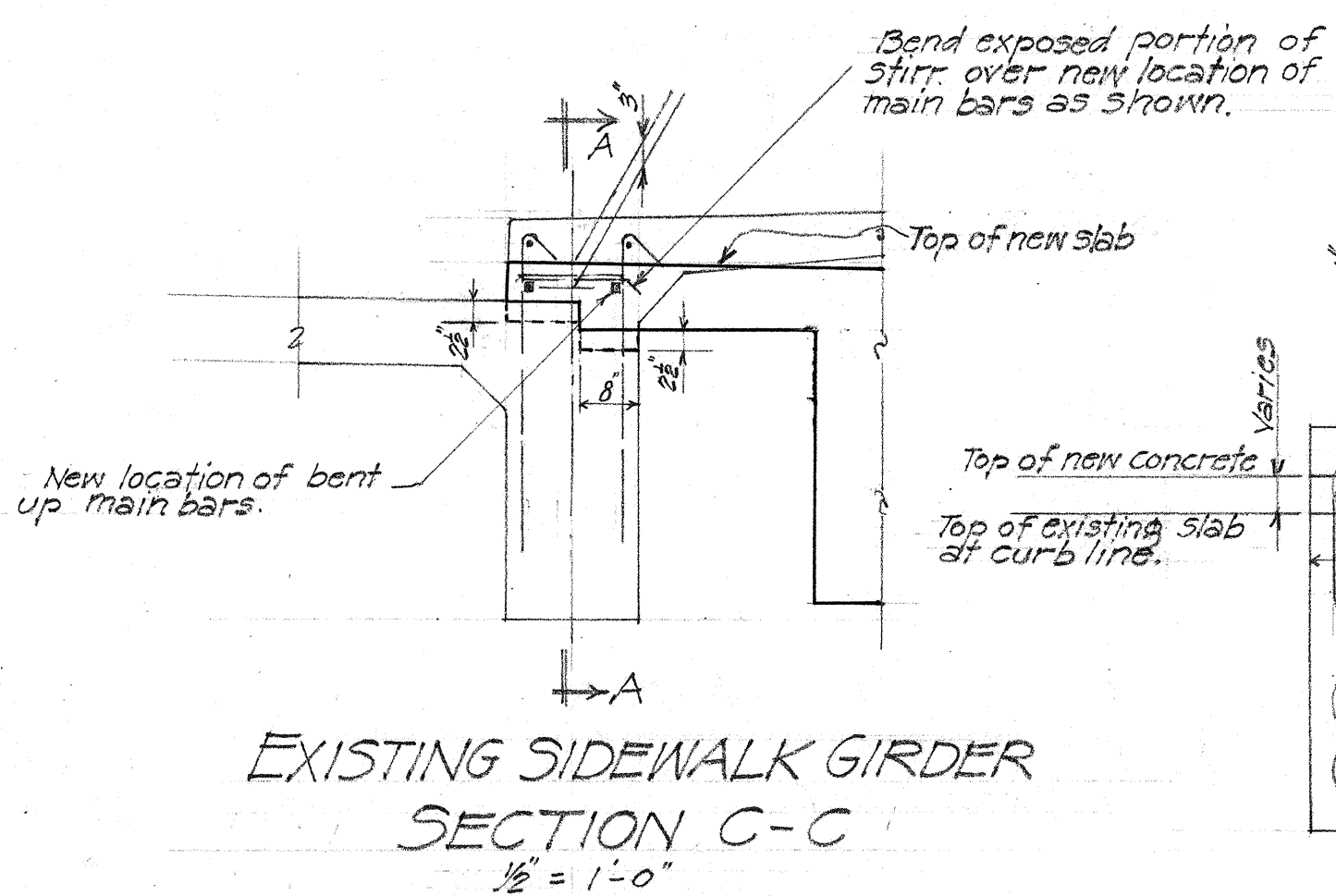
SURVEY PLOTTED BY	DATE
DESIGNED BY	
DRAWN BY	
NOTED BY	
QUANTITIES BY	
CHECKED BY	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	REVENUE NO.	TOTAL SHEETS
Hawaii	Haw.	DNR 13(2)	1944	32	79

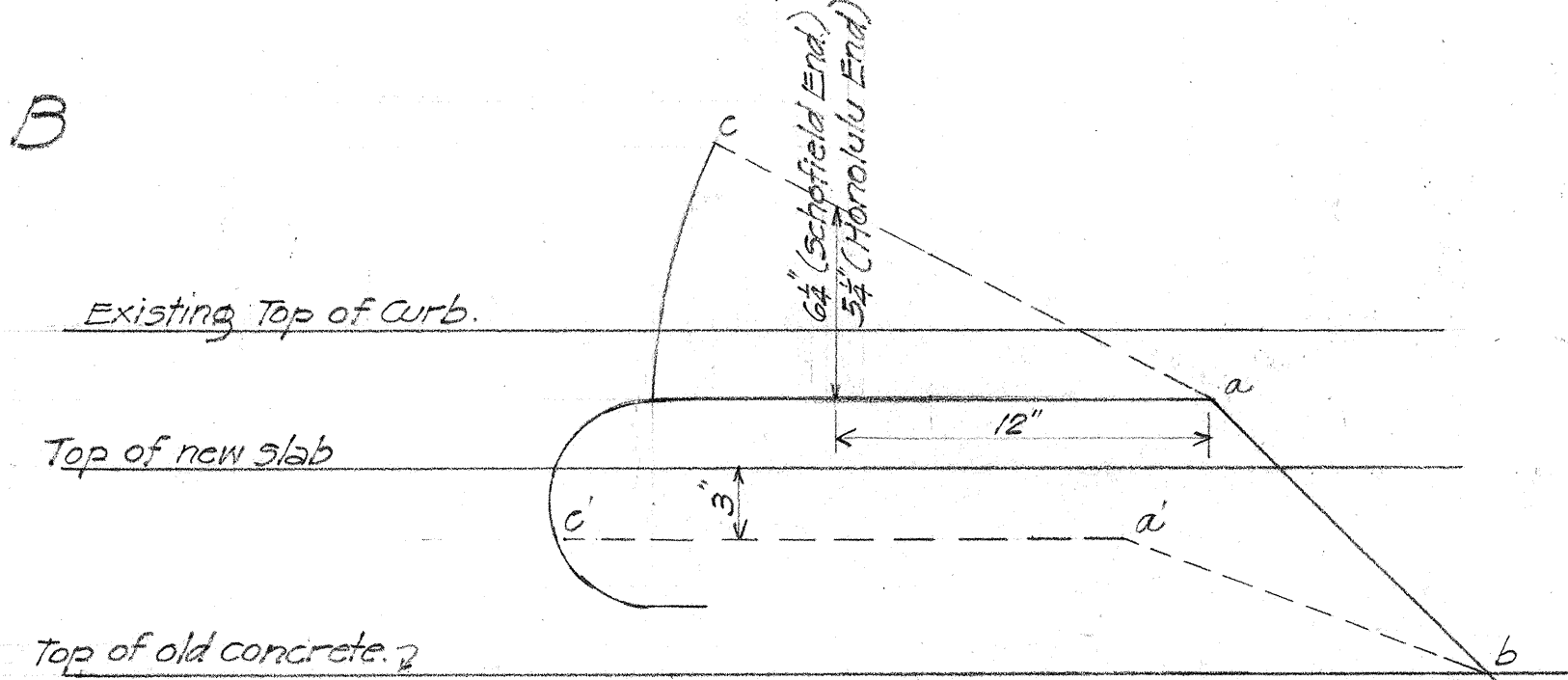


Phosphor Bronze Inserts, See Std. Br. Detail Sheet, omit Conc. Block as shown, on Std. Bridge Detail Sheet.

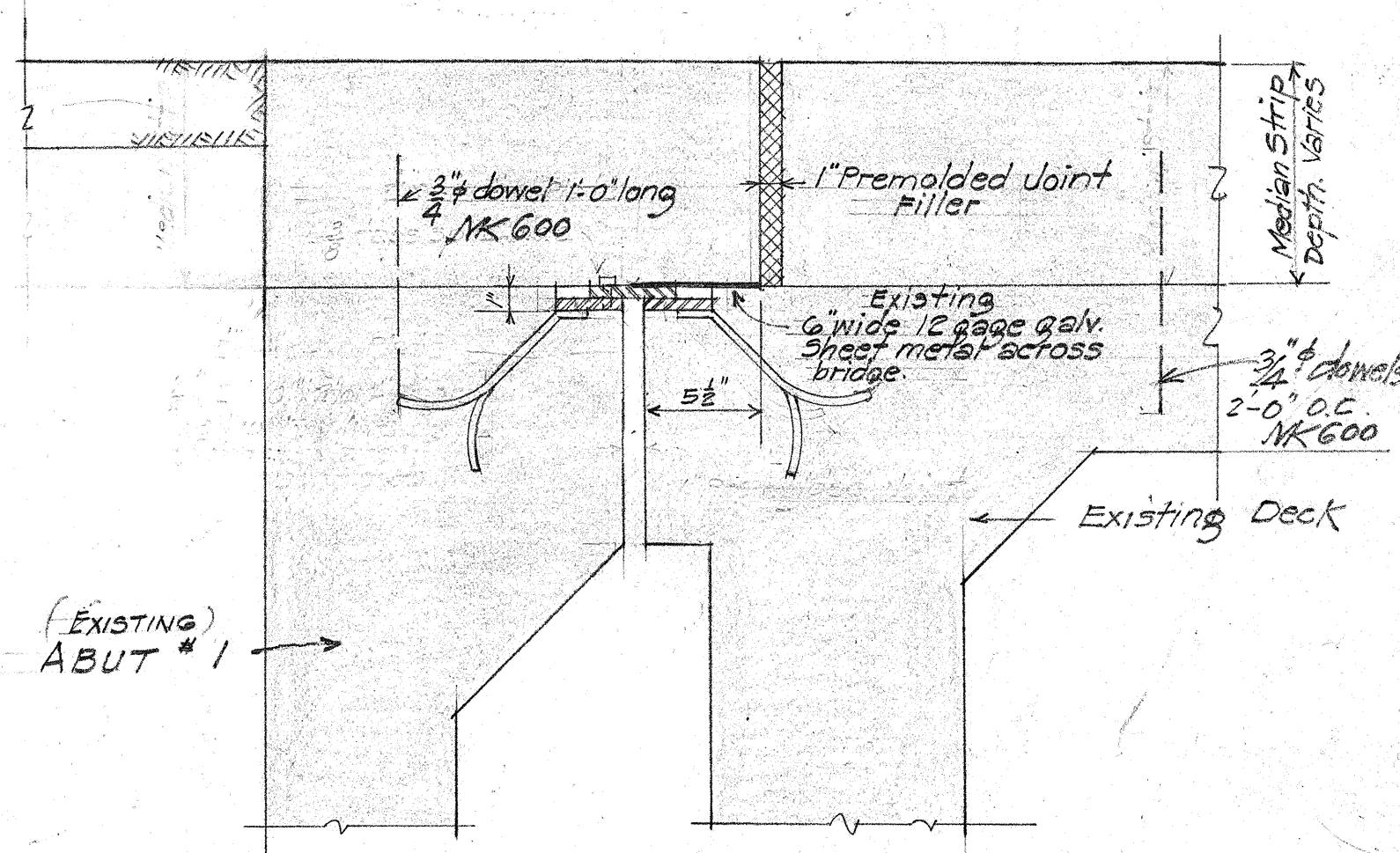
Note! Contractor to furnish and install Bronze Inserts only.



METHOD OF BENDING EXISTING SIDEWALK MAIN GIRDER BARS SHOWN IN SECTION A-A.



METHOD OF BENDING EXISTING SIDEWALK MAIN GIRDER BARS SHOWN IN SECTION B-B.



DETAIL OF MEDIAN STRIP EXPANSION JOINT AT ABUT. NO. 1.

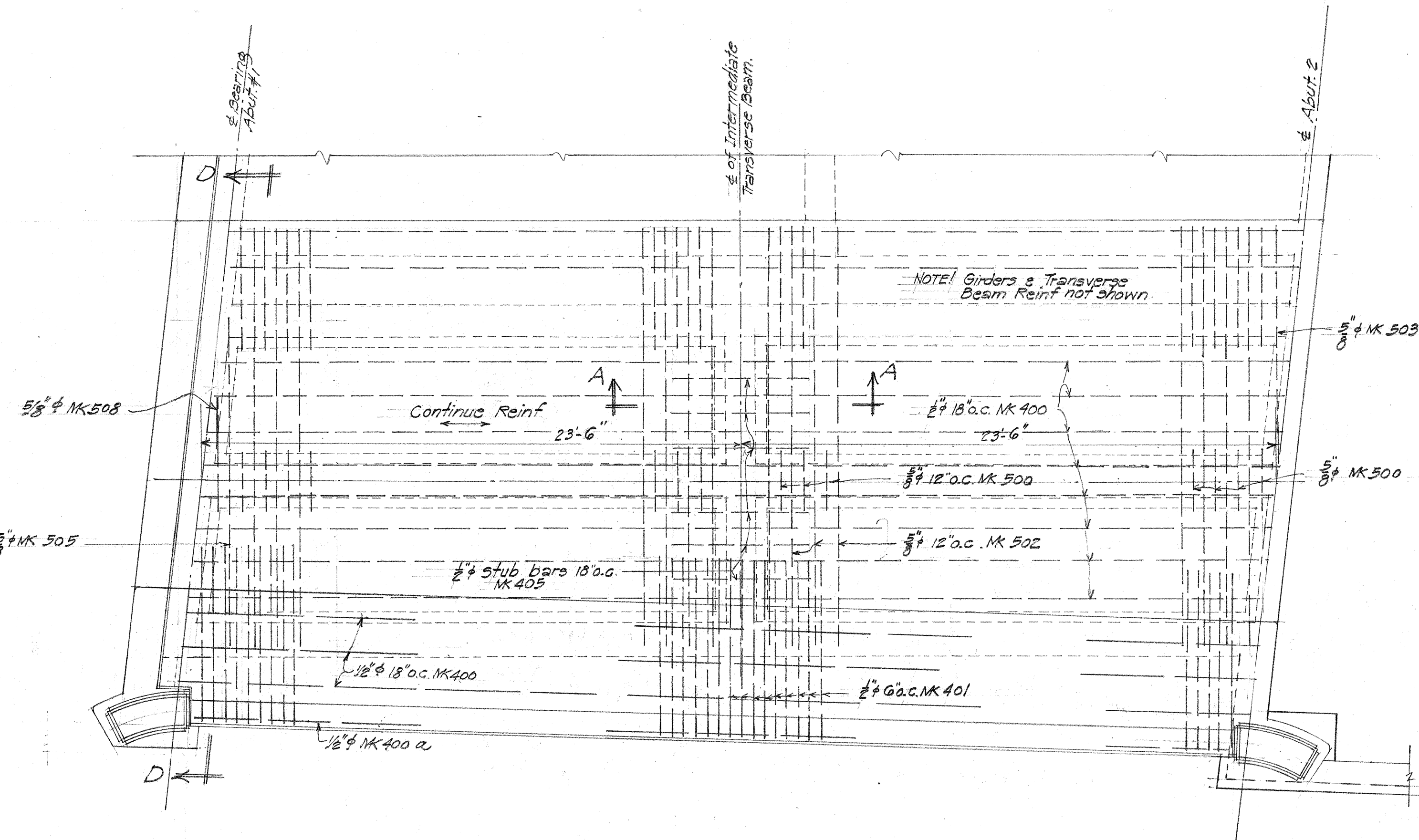
TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
AIEA BRIDGE WIDENING
Sta 306+22.25 to 306+71.27
KAM. HWY. DNR 13(2)
Aug. 1944.

SHEET NO 2 OF 75 SHEETS

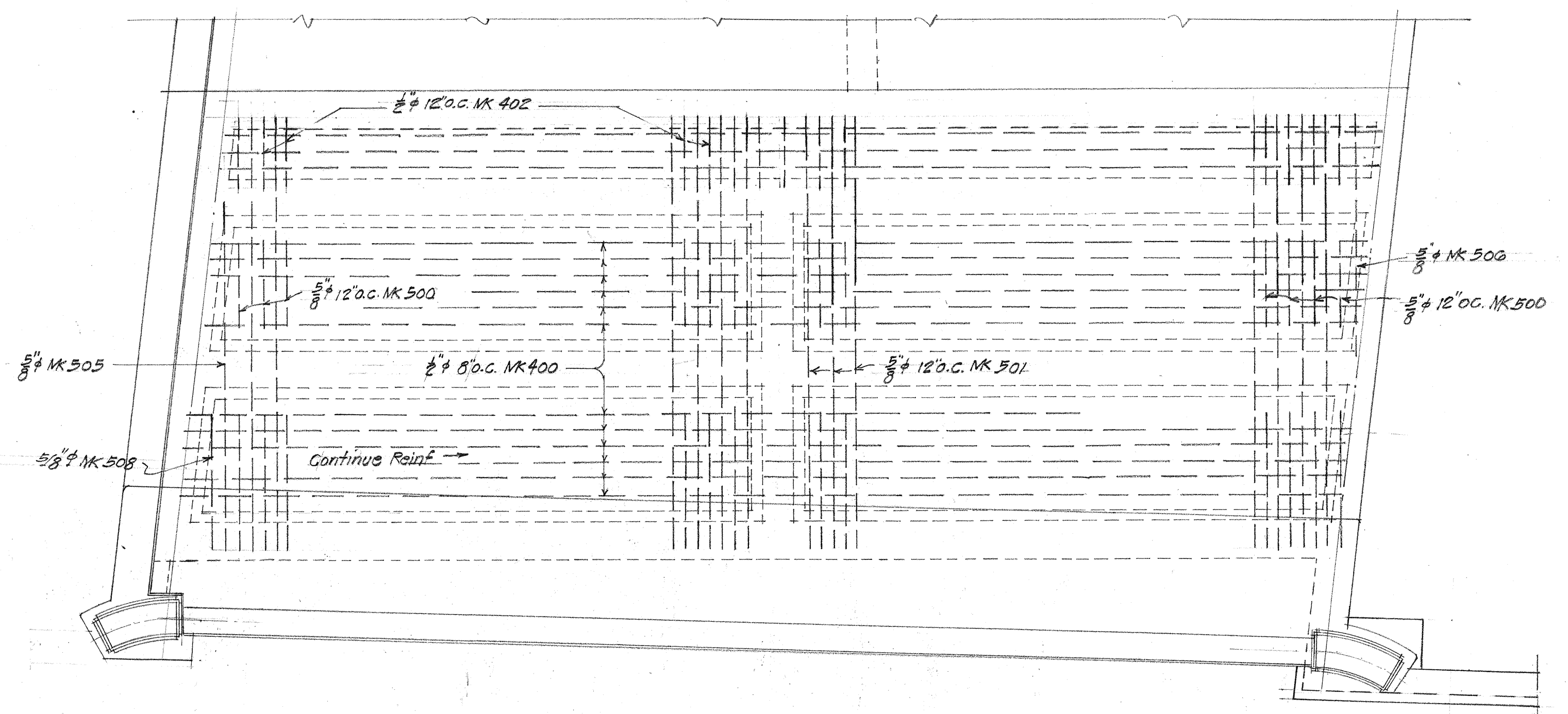
5143.32

SURVEY PLOTTED	DATE	CHK.
DESIGNED BY	DATE	CHK.
TRACED BY	DATE	CHK.
NOTE BOOK	DATE	CHK.
QUANTITIES BY	DATE	CHK.
CHECKED BY	DATE	CHK.

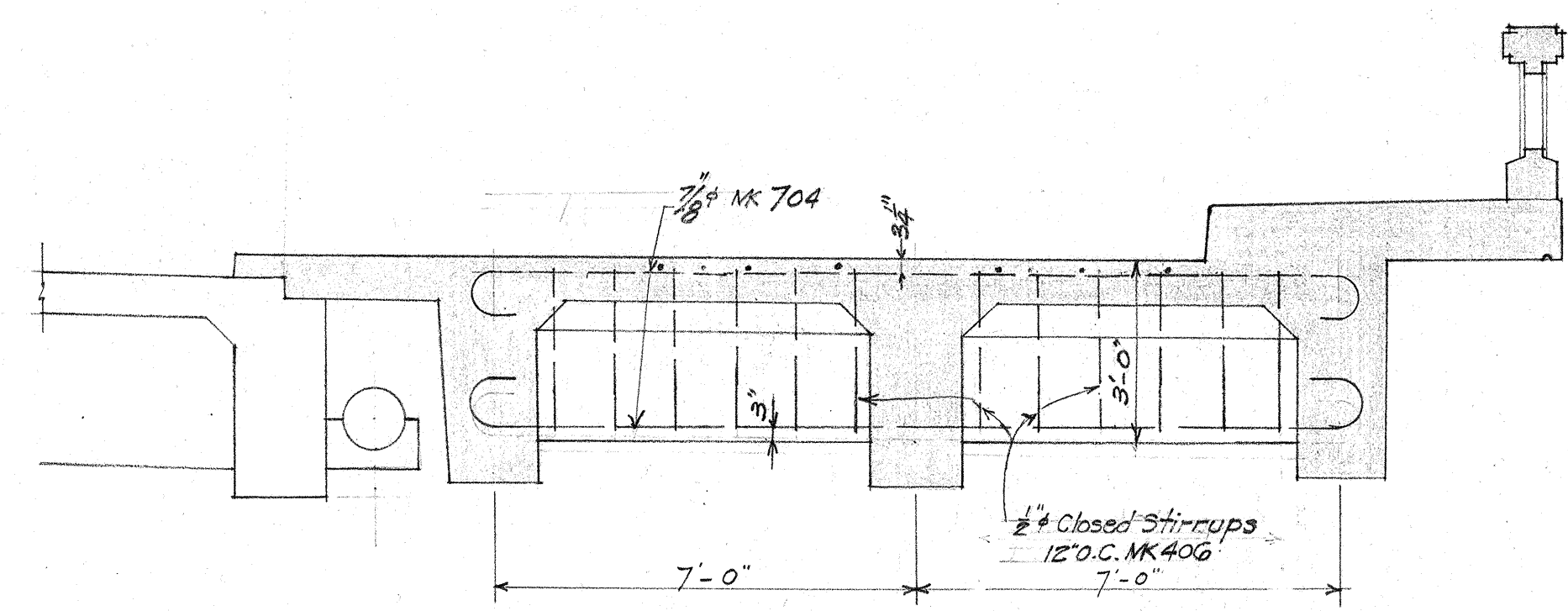
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	"DESIGN" NO.	"CONSTR." SHEETS
HAWAII	HAWAII	DANR 13(2)	1944	33	79



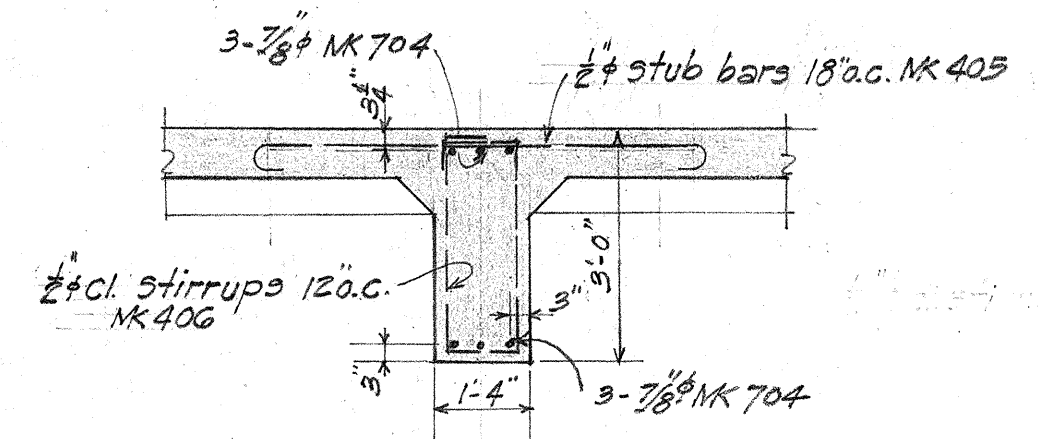
TOP DECK REINF.
Scale $\frac{3}{8}$ " = 1'-0"



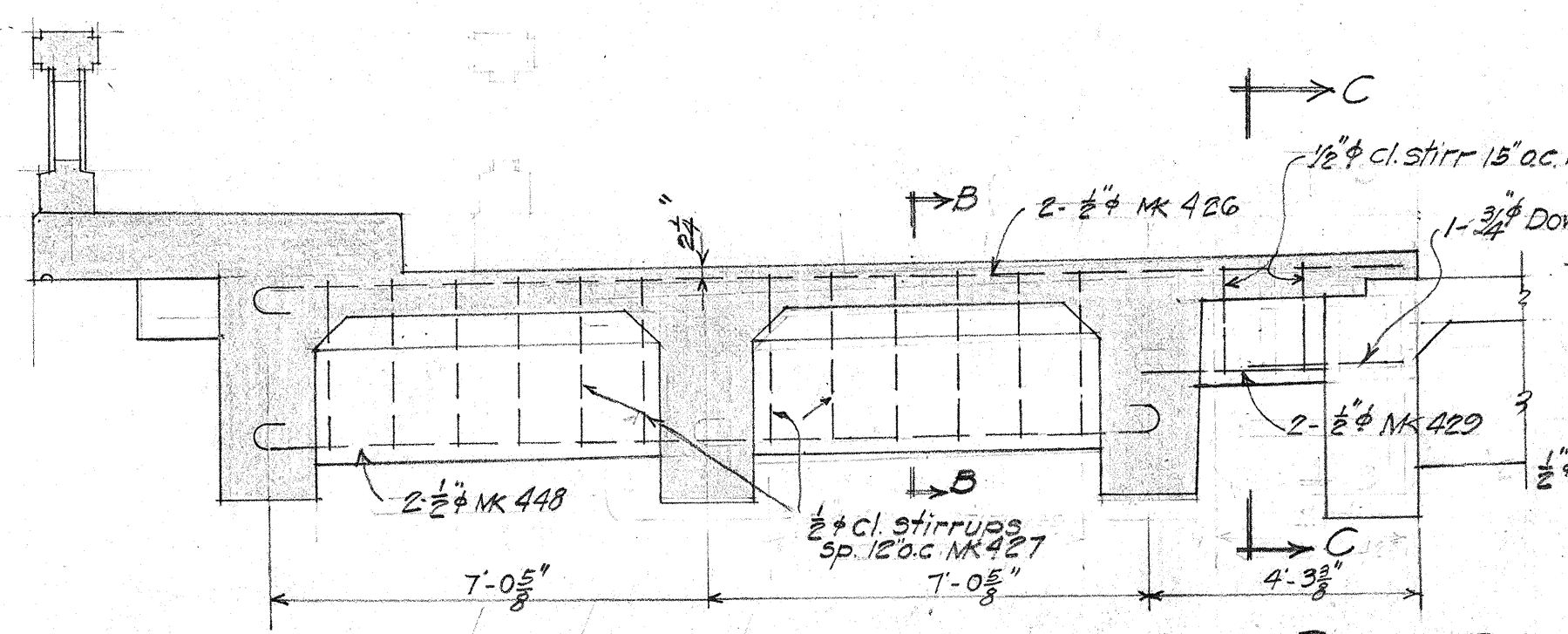
BOTTOM DECK REINF.
Scale $\frac{3}{8}$ " = 1'-0"



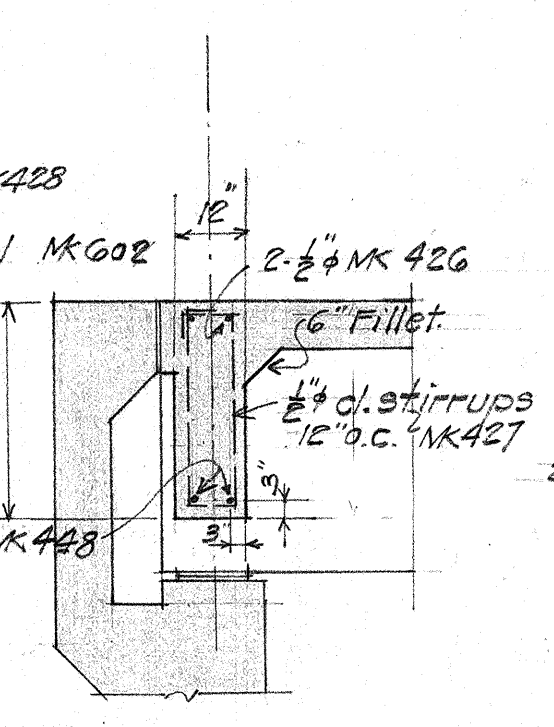
INTERMEDIATE TRANSVERSE BEAM REINF.
Scale $\frac{3}{8}$ " = 1'-0"



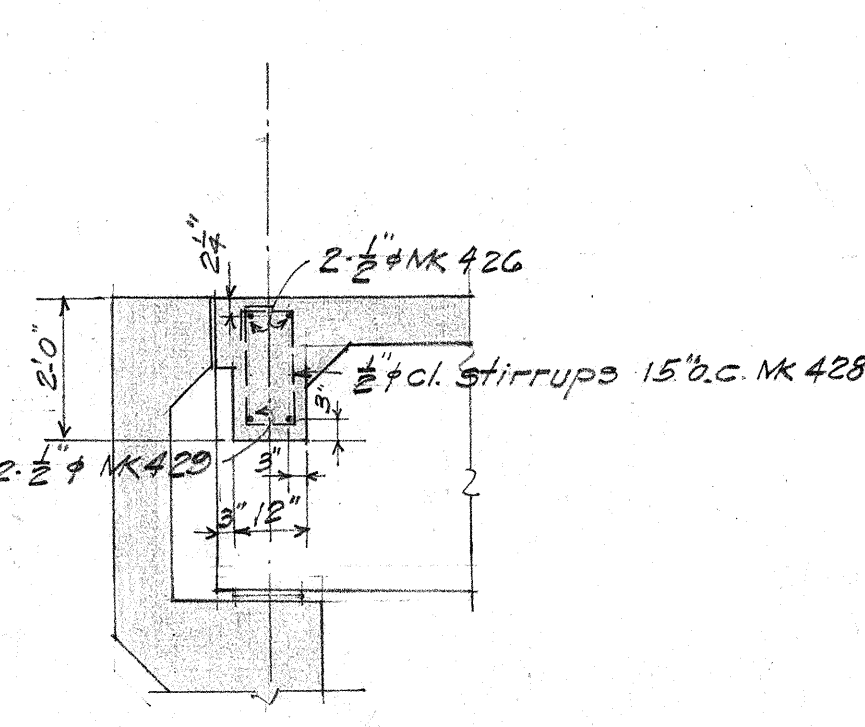
SECTION A-A
Scale $\frac{3}{8}$ " = 1'-0"



TRANSVERSE BEAM REINF. OVER ABUT. NO. 1. SEC. D-D.
Scale $\frac{3}{8}$ " = 1'-0"



SECTION B-B
Scale $\frac{3}{8}$ " = 1'-0"



SECTION C-C
Scale $\frac{3}{8}$ " = 1'-0"

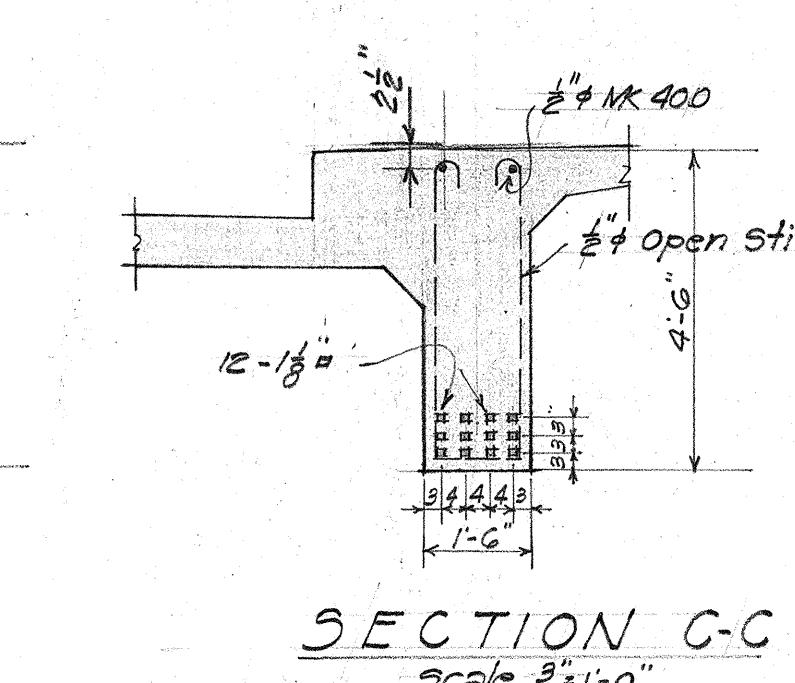
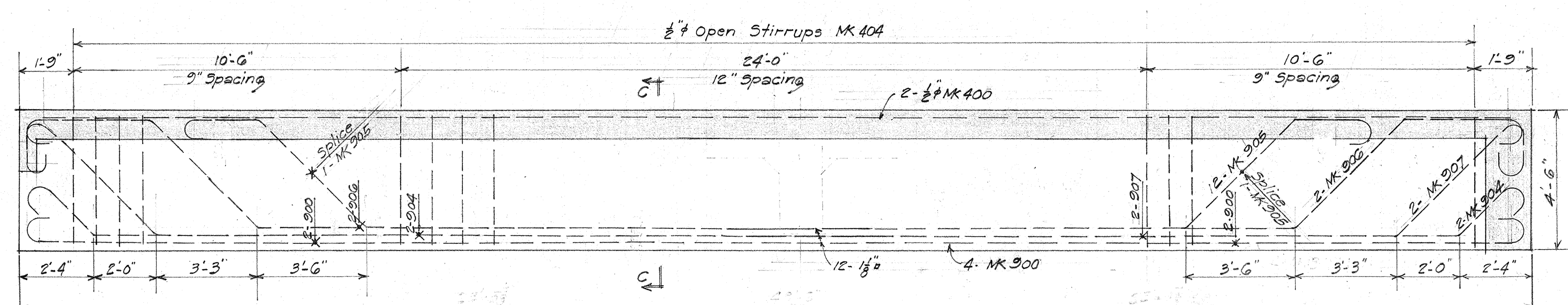
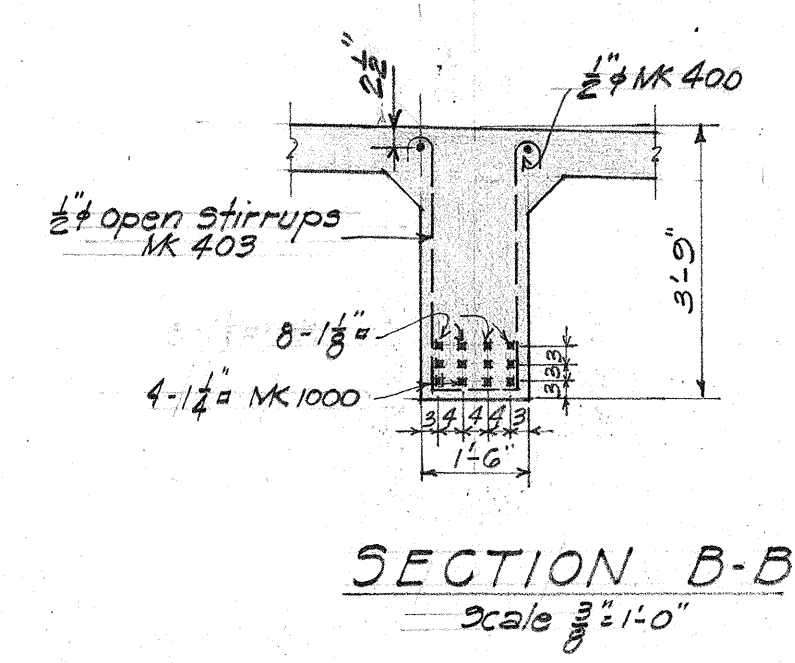
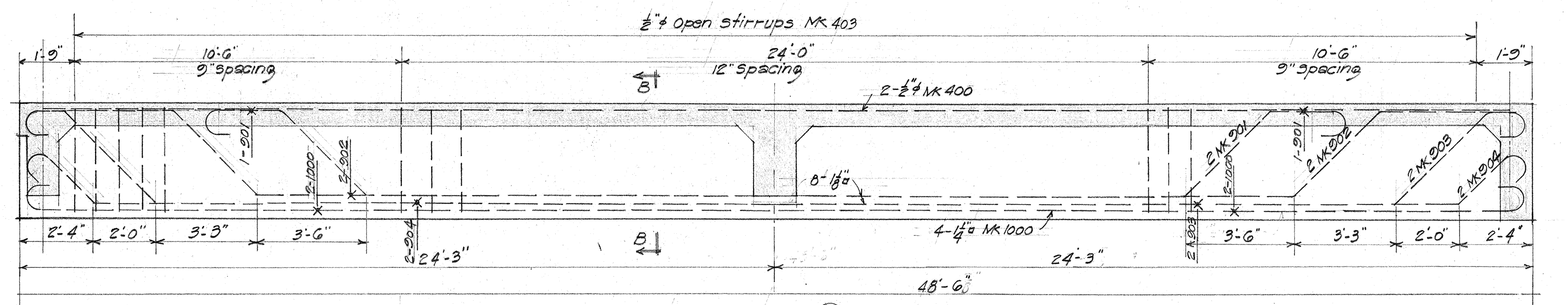
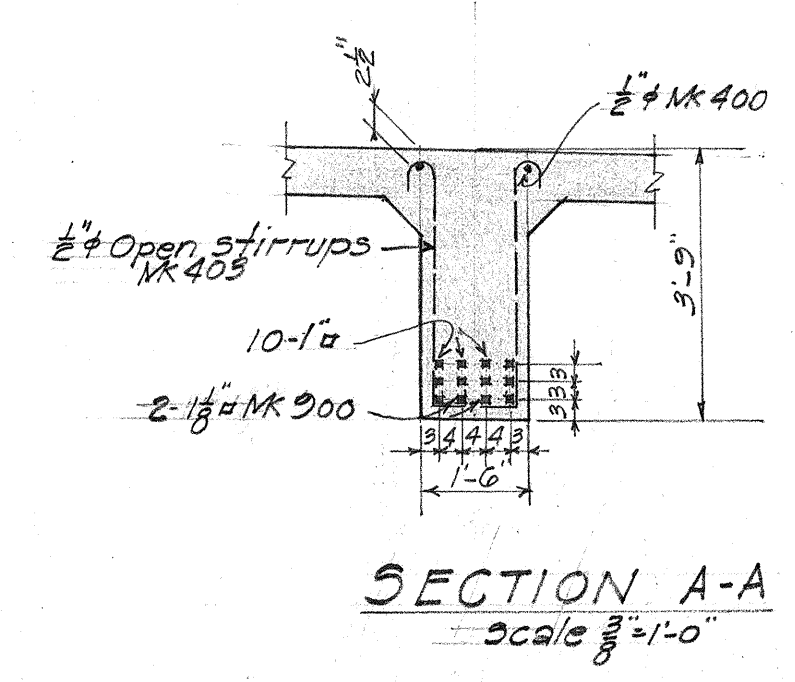
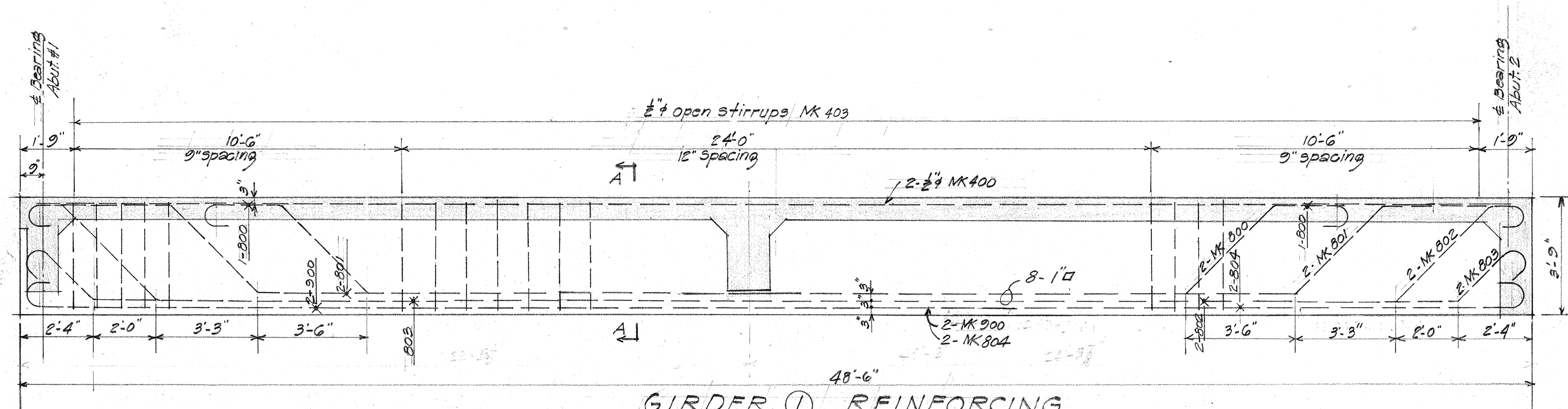
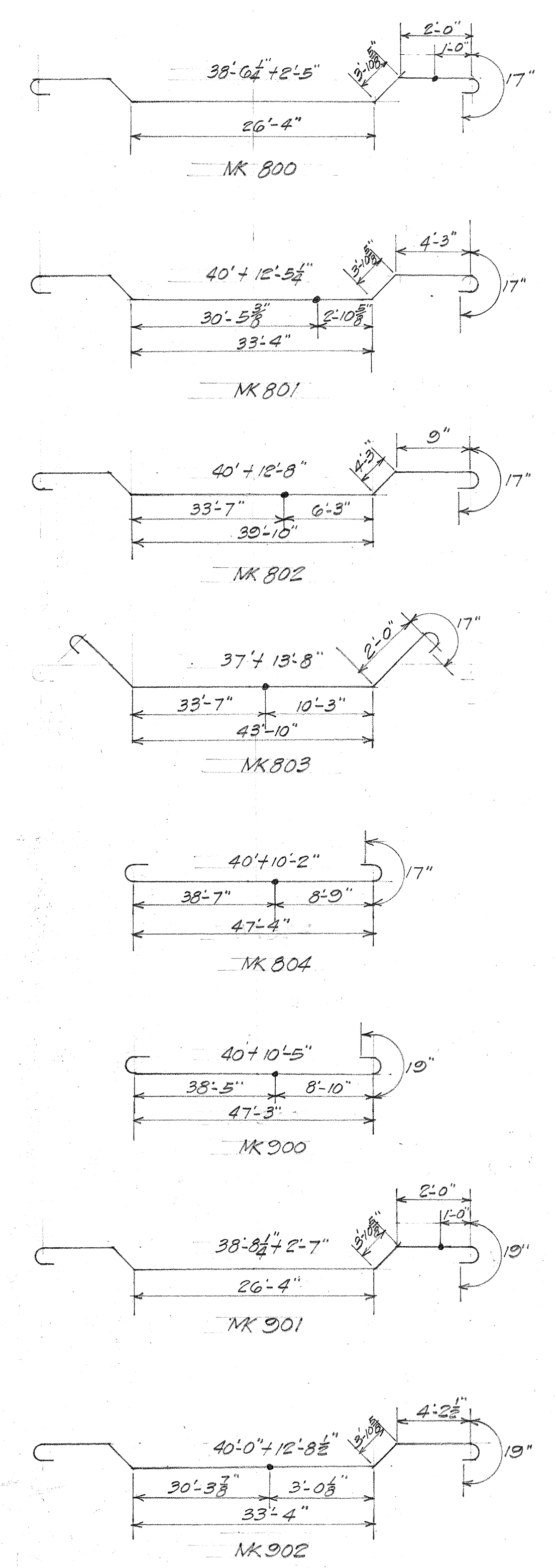
TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
AIEA BRIDGE WIDENING
Sta. 306+22.22 to 306+71.27
KAM. HWY. DANR 13(2)
Aug 1944

DATE: 10/12/44
DESIGNED BY: J. S. [illegible]
CHECKED BY: D. S. V. [illegible]
NOTED BY: [illegible]
QUANTITIES BY: [illegible]
CHECKED BY: [illegible]

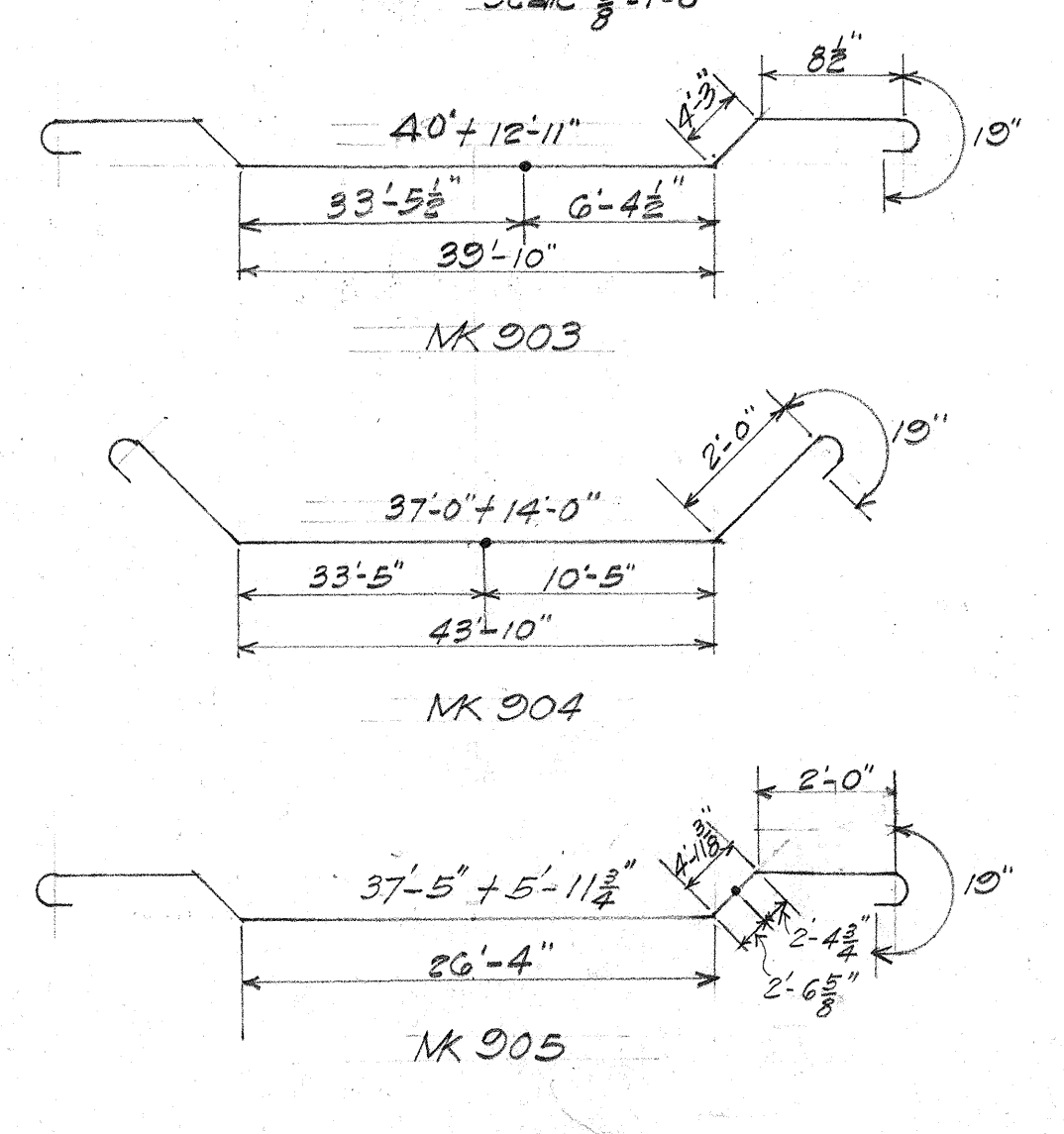
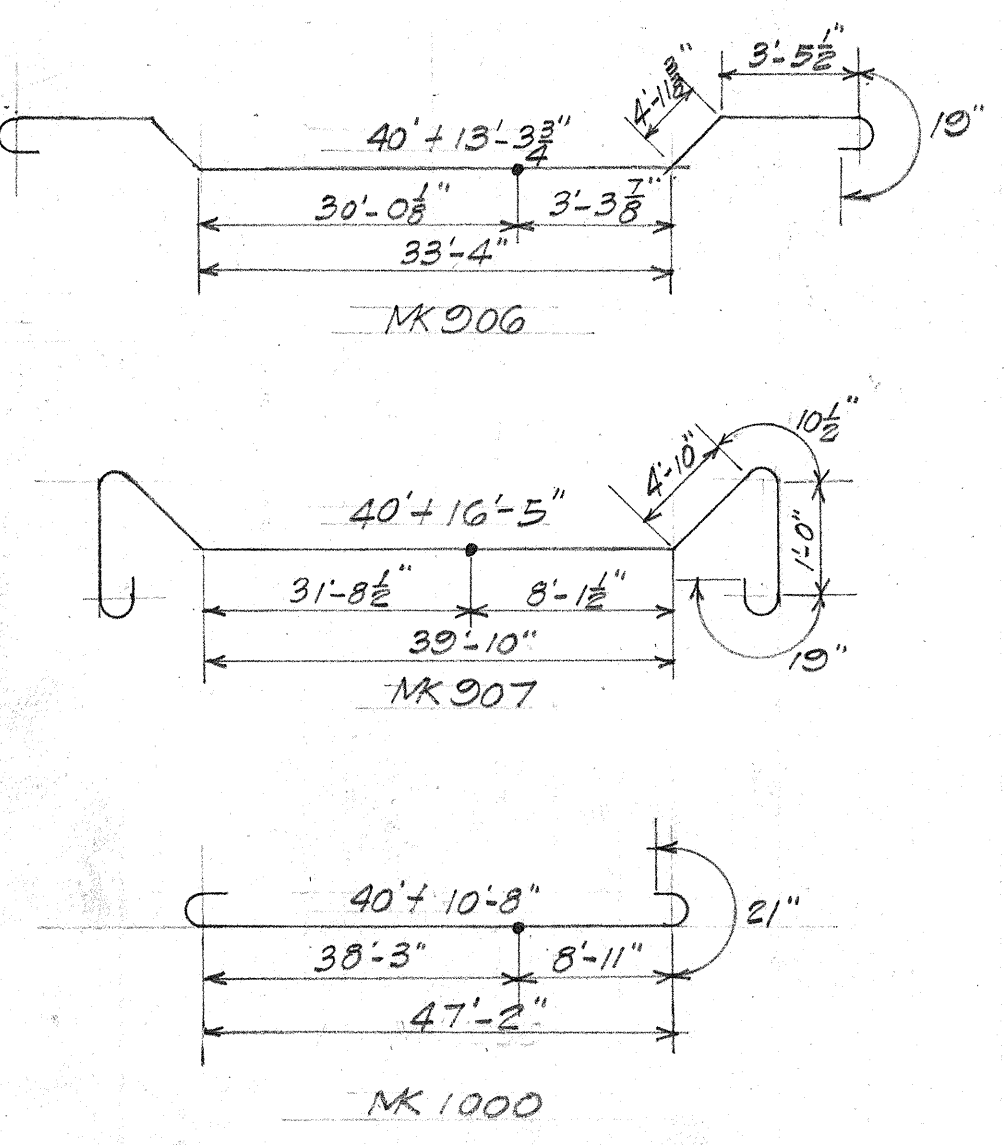
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	DANR 13(2)	1944	54	79

Revised: February 27, 1945

Splice Symbols



NOTE: X — Indicates the location of splices.



TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII

AIEA BRIDGE WIDENING
Sta. 306+22.00 to 306+71.27

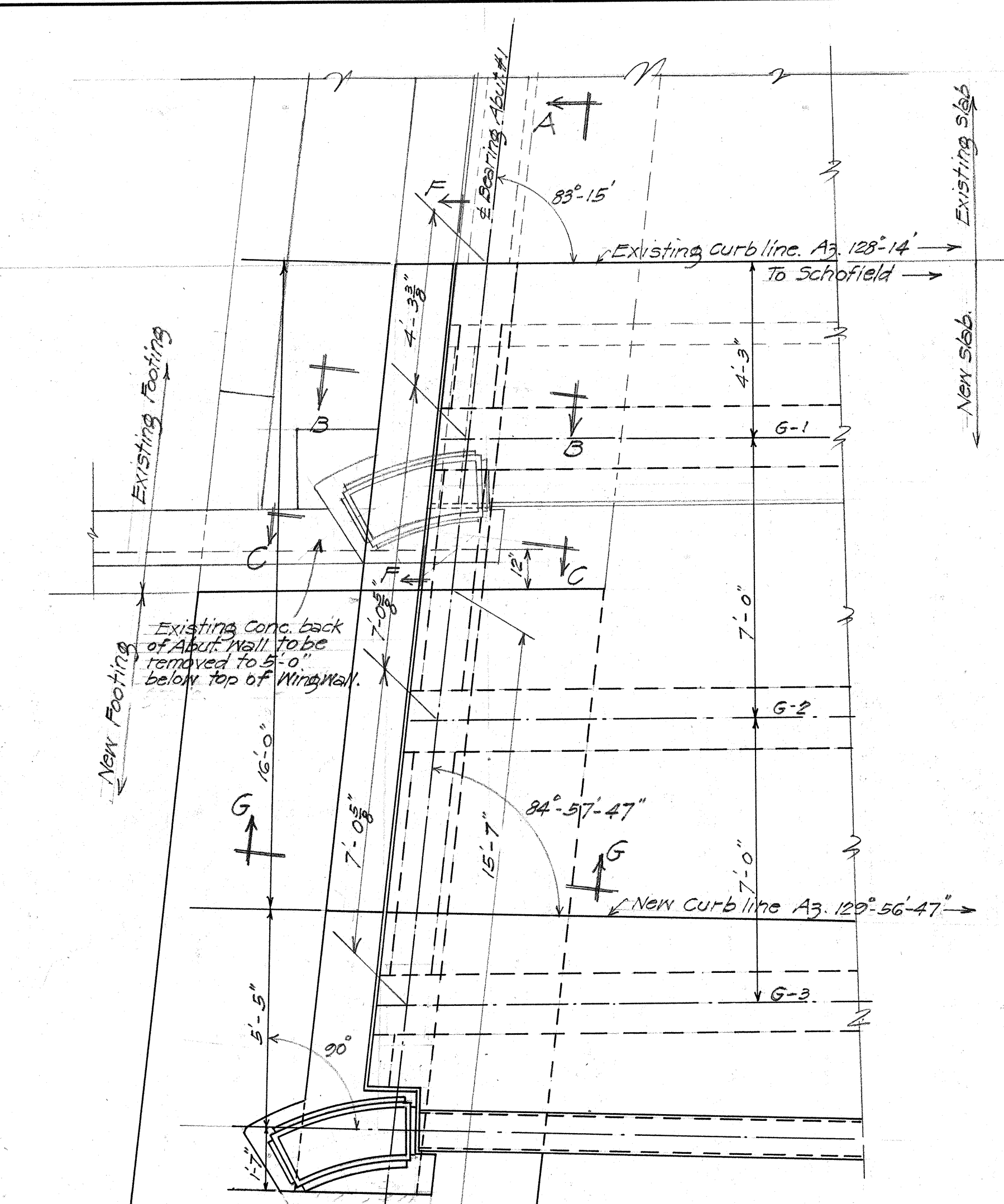
KAM. HWY. DANR 13(2)
Aug. 1944

SHEET NO 4 OF 7 SHEETS

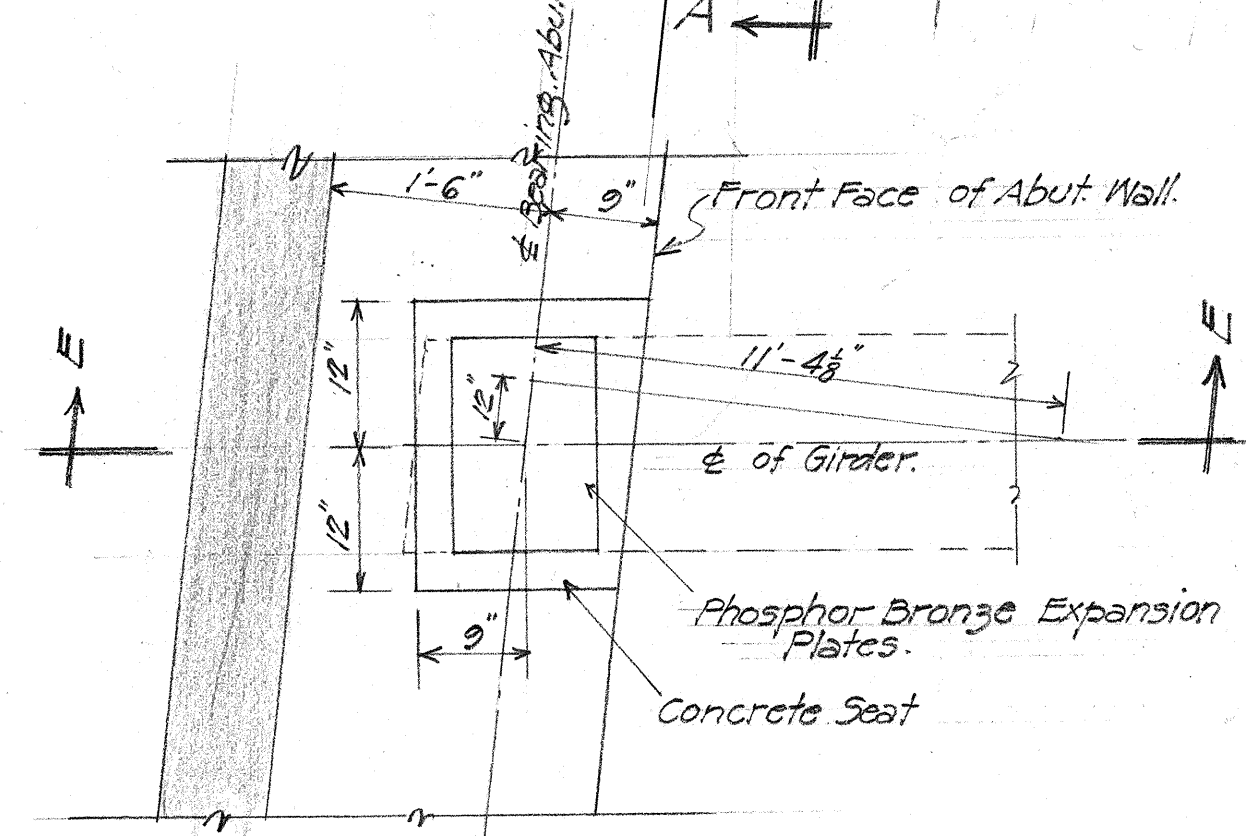
5143.34

Revision: Location of splices indicated for use of 40' stock length bars.

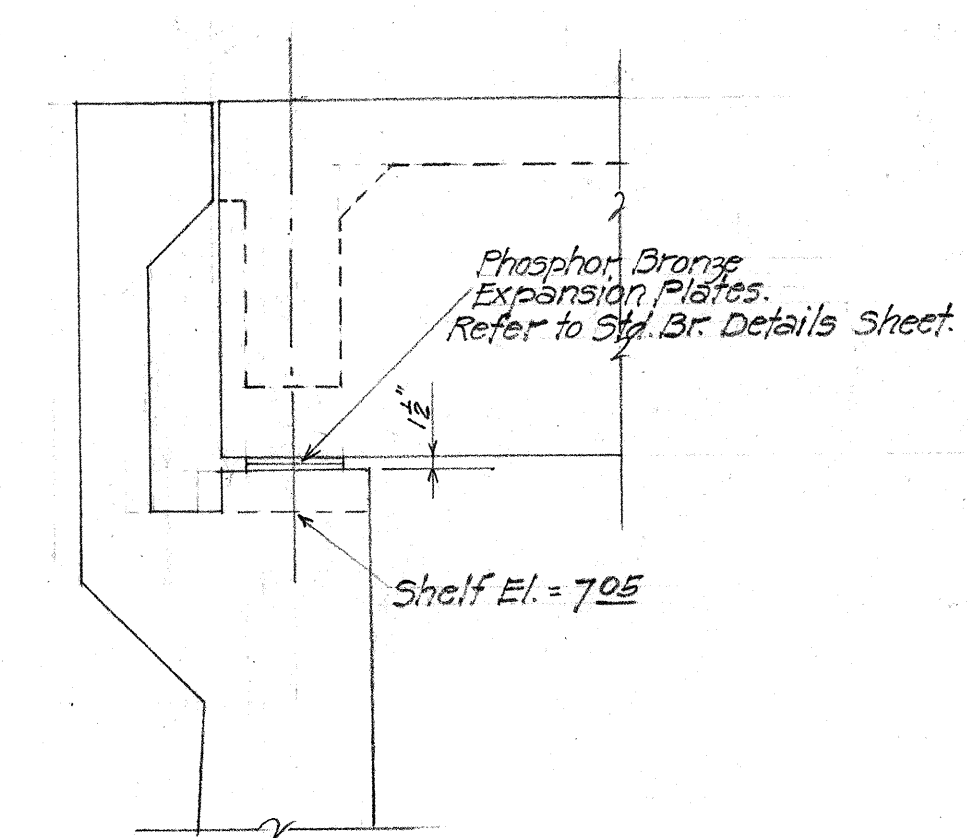
DATE	BY	REVISION
July 1944	K.S. Barlett	Original
Aug 1944	D.R. Yang	Revised
Aug 1944	M.R.B.	Checked



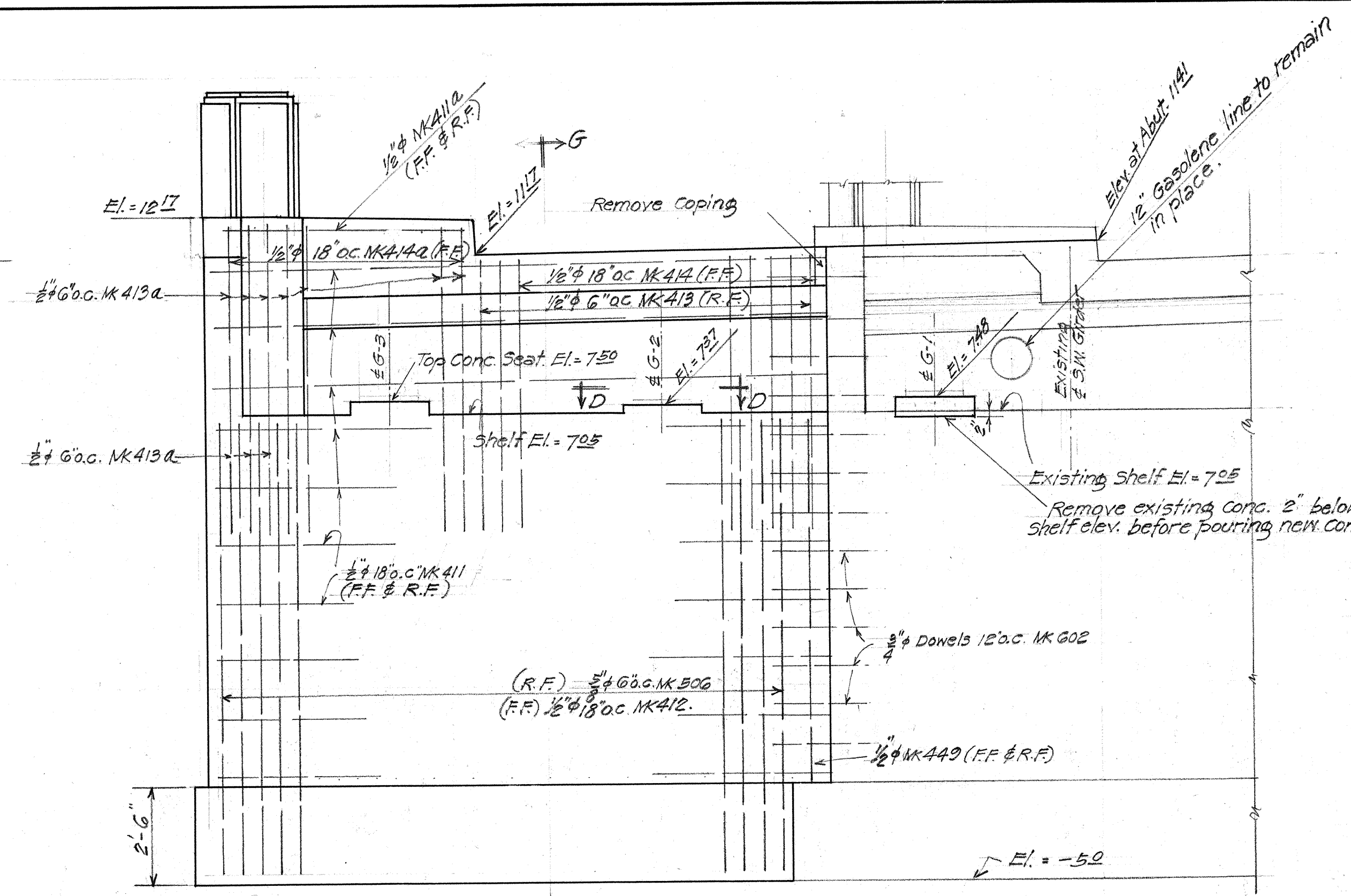
PLAN - ABUT. NO. 1
Scale: 3/8" = 1'-0"



PLAN OF EXPANSION BEARING SEAT SECTION D-D
Scale: 3/4" = 1'-0"



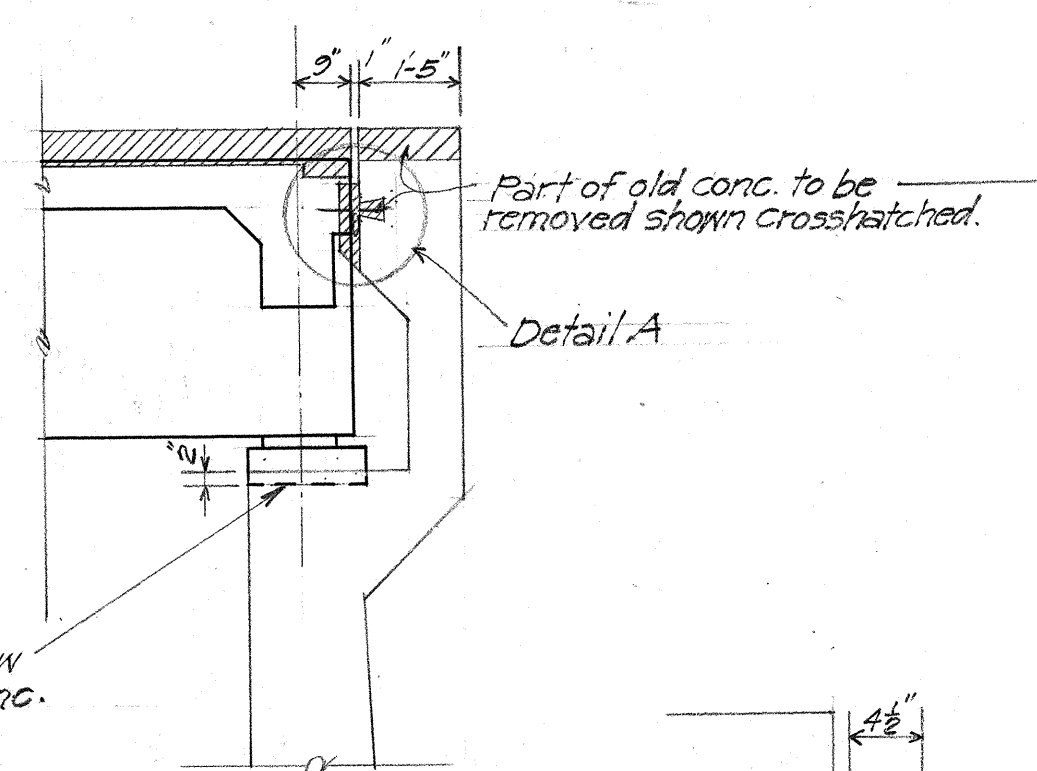
SECTION E-E
1/2" = 1'-0"



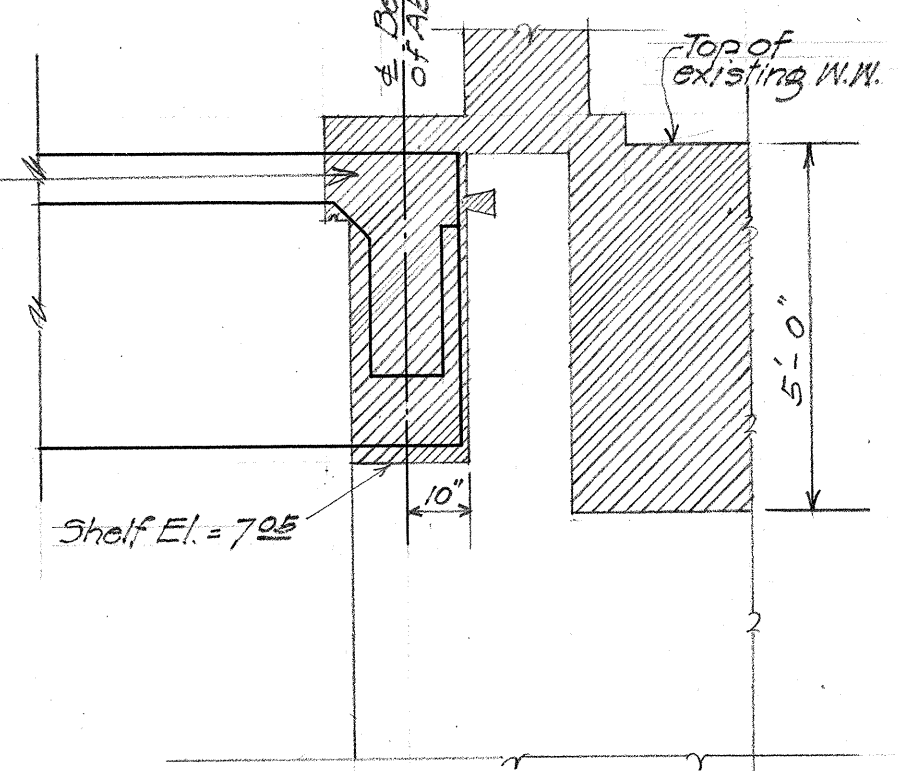
ELEVATION A-A ABUT. NO. 1
Scale: 3/8" = 1'-0"



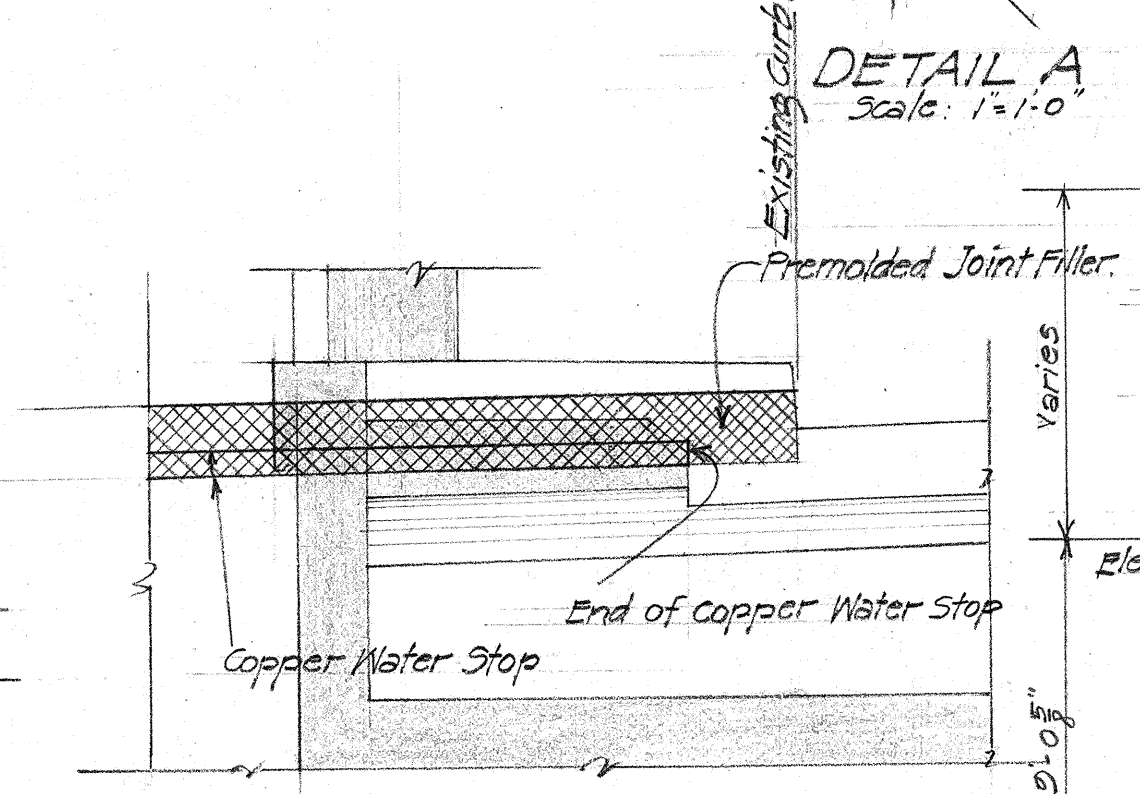
FOOTING PLAN - ABUT. NO. 1
1/4" = 1'-0"



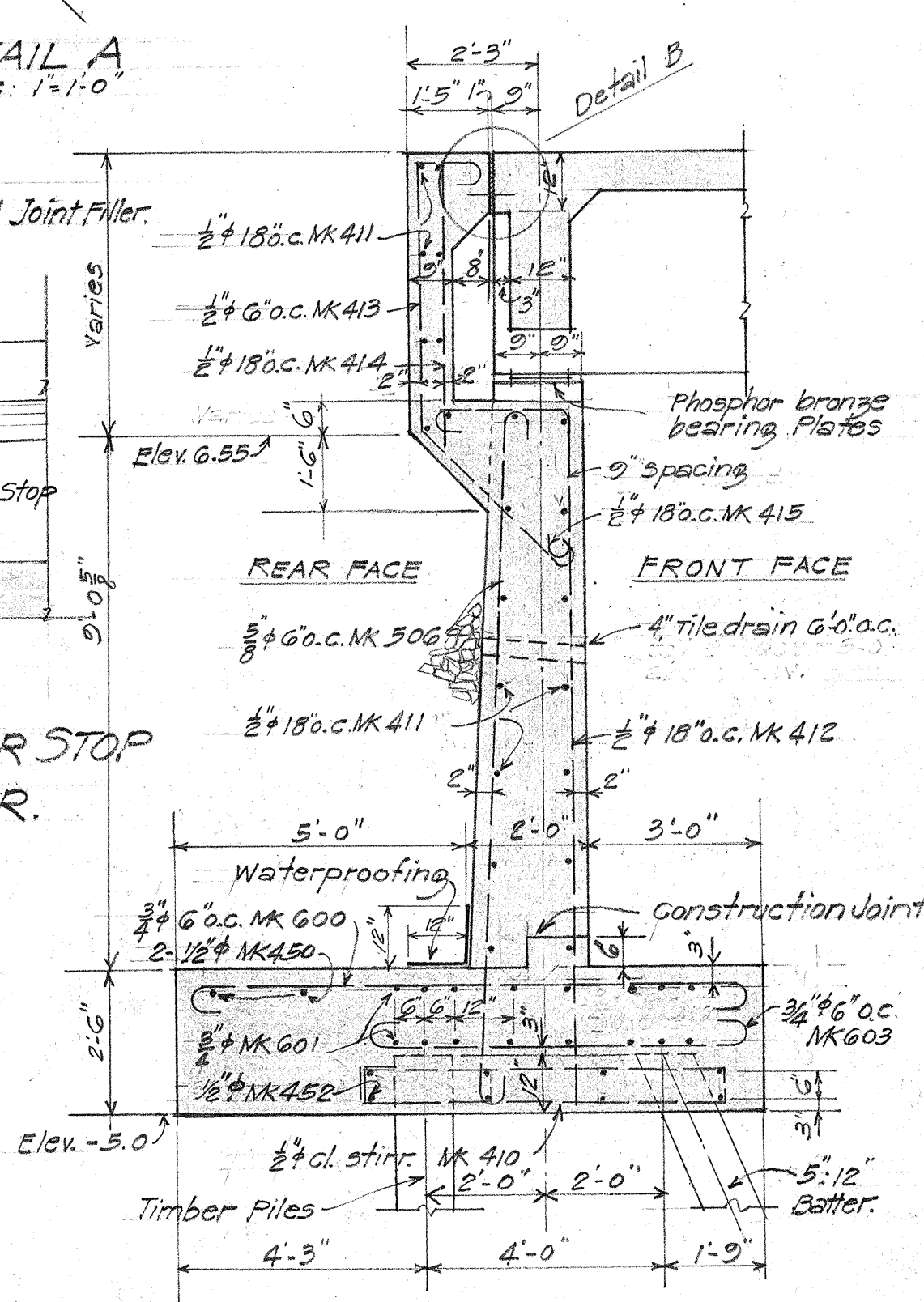
SECTION B-B
Scale: 3/8" = 1'-0"



SECTION C-C
Scale: 3/8" = 1'-0"

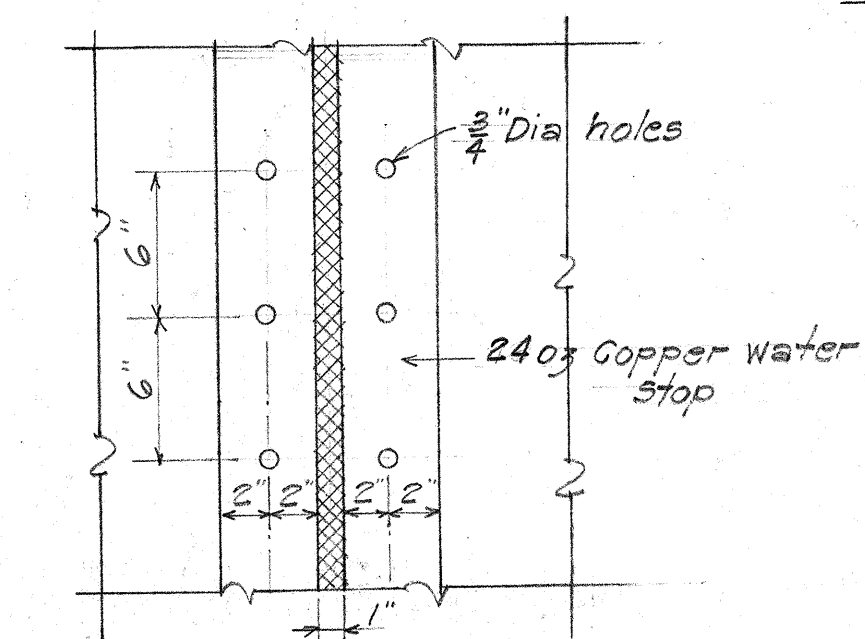


SECTION F-F SHOWING WATER STOP AND PREFORMED JOINT FILLER.
3/8" = 1'-0"



ABUT. SECTION G-G
Scale: 3/8" = 1'-0"

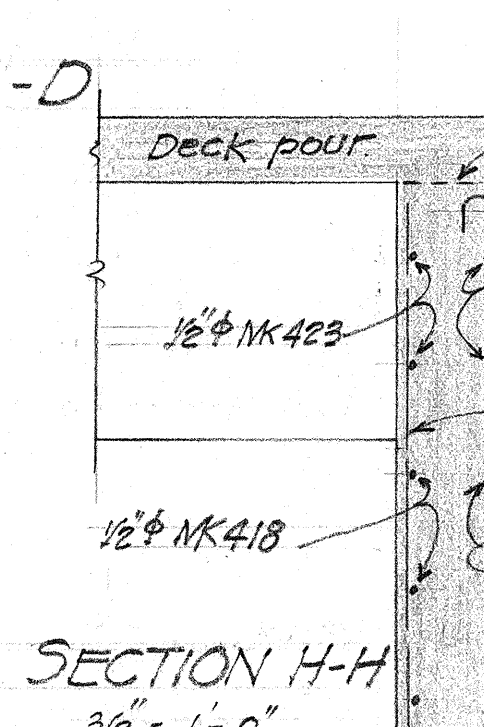
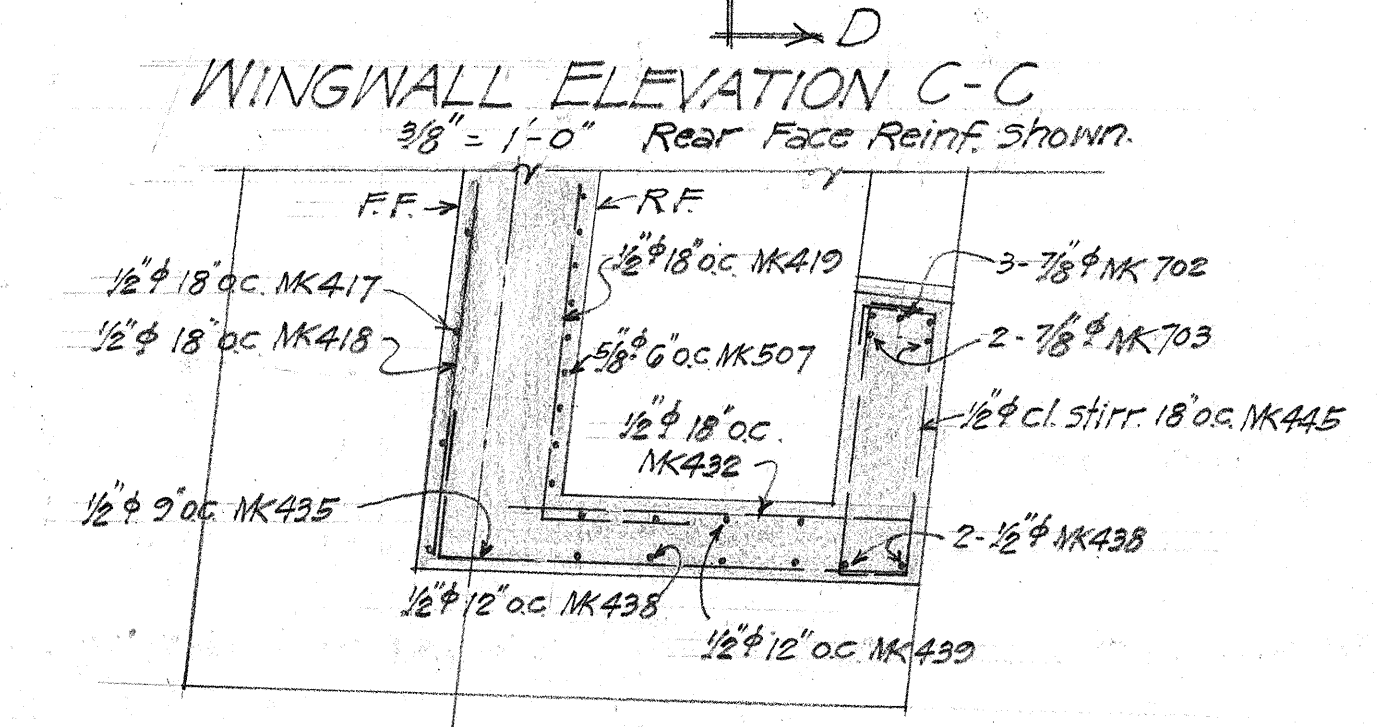
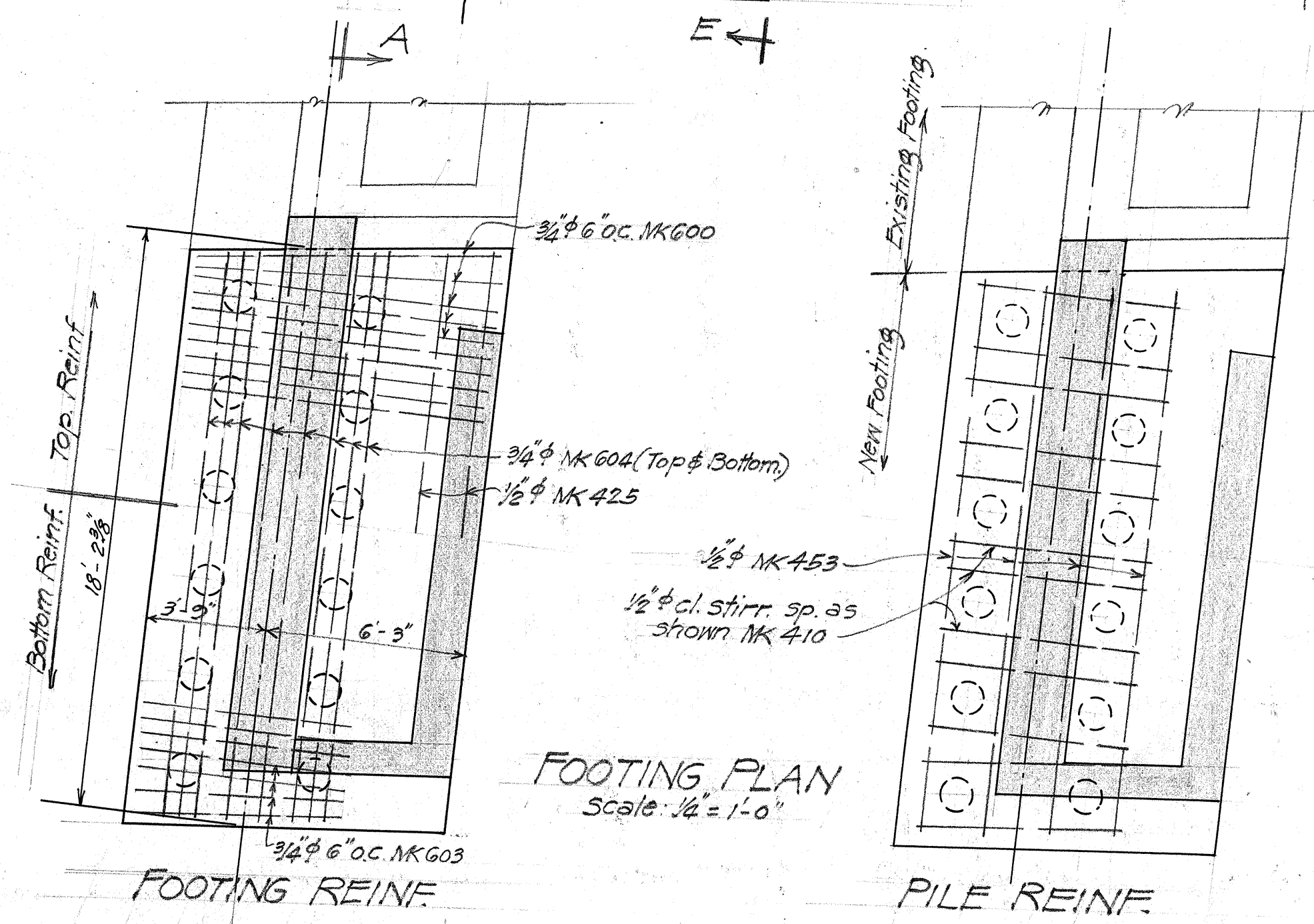
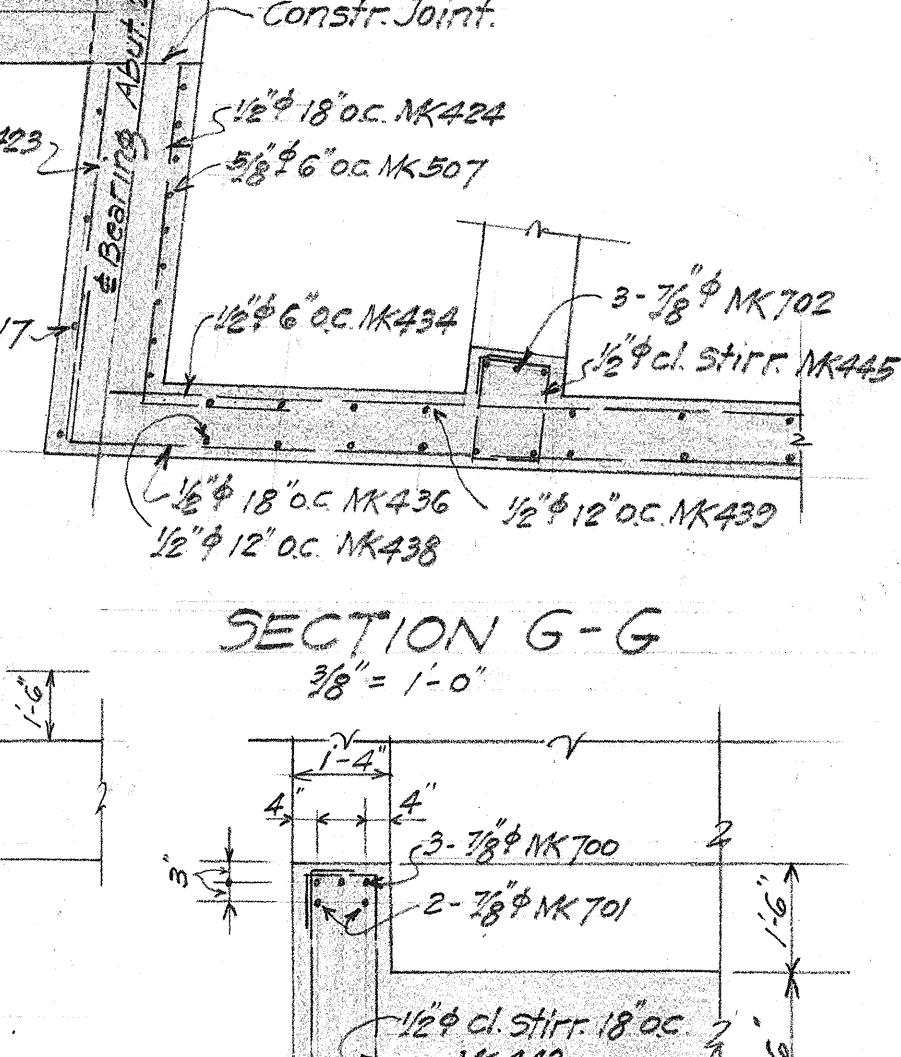
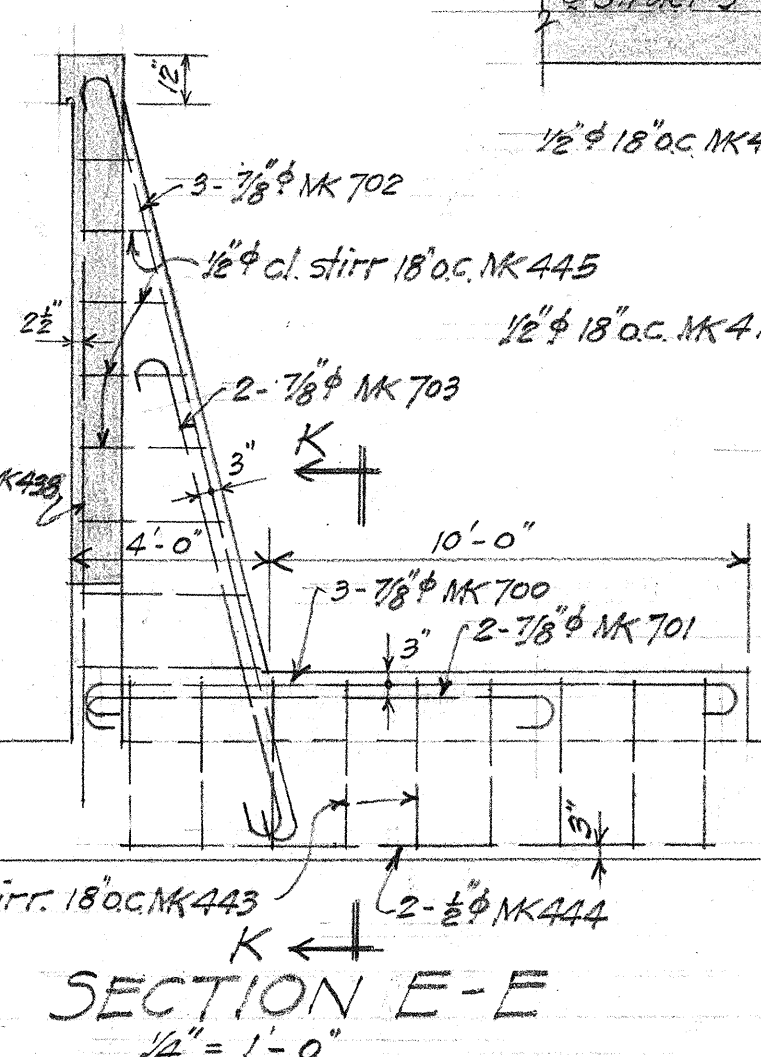
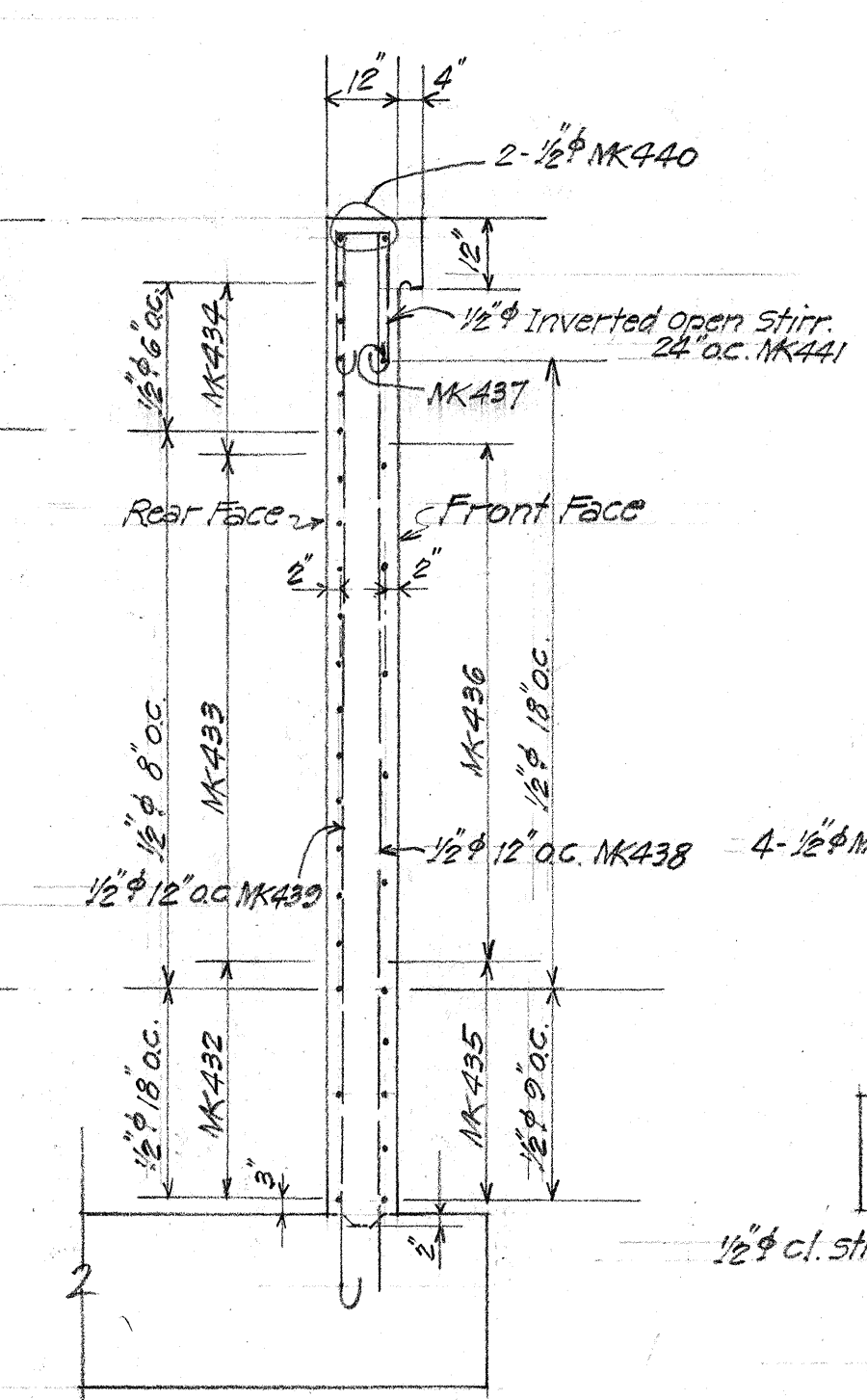
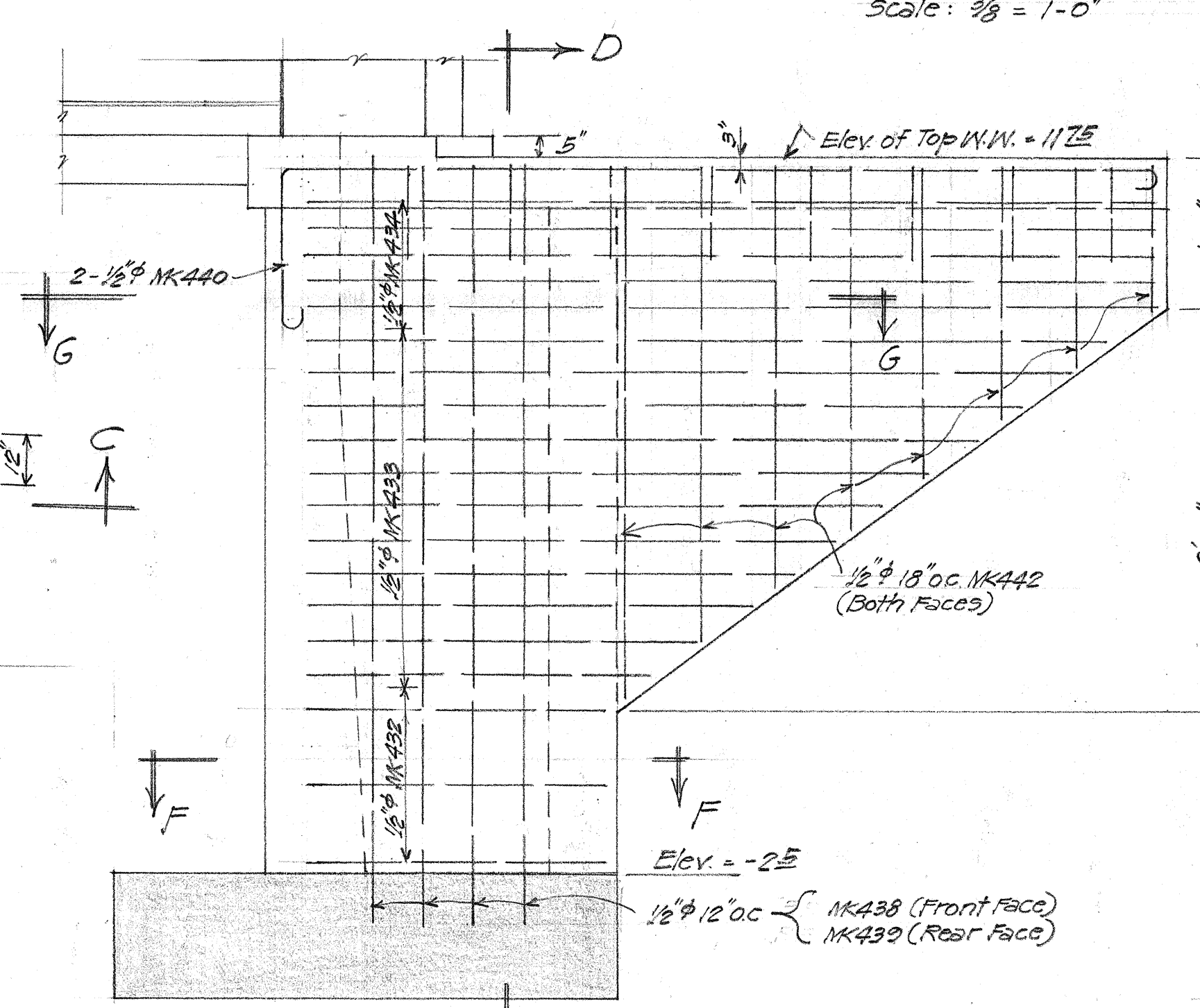
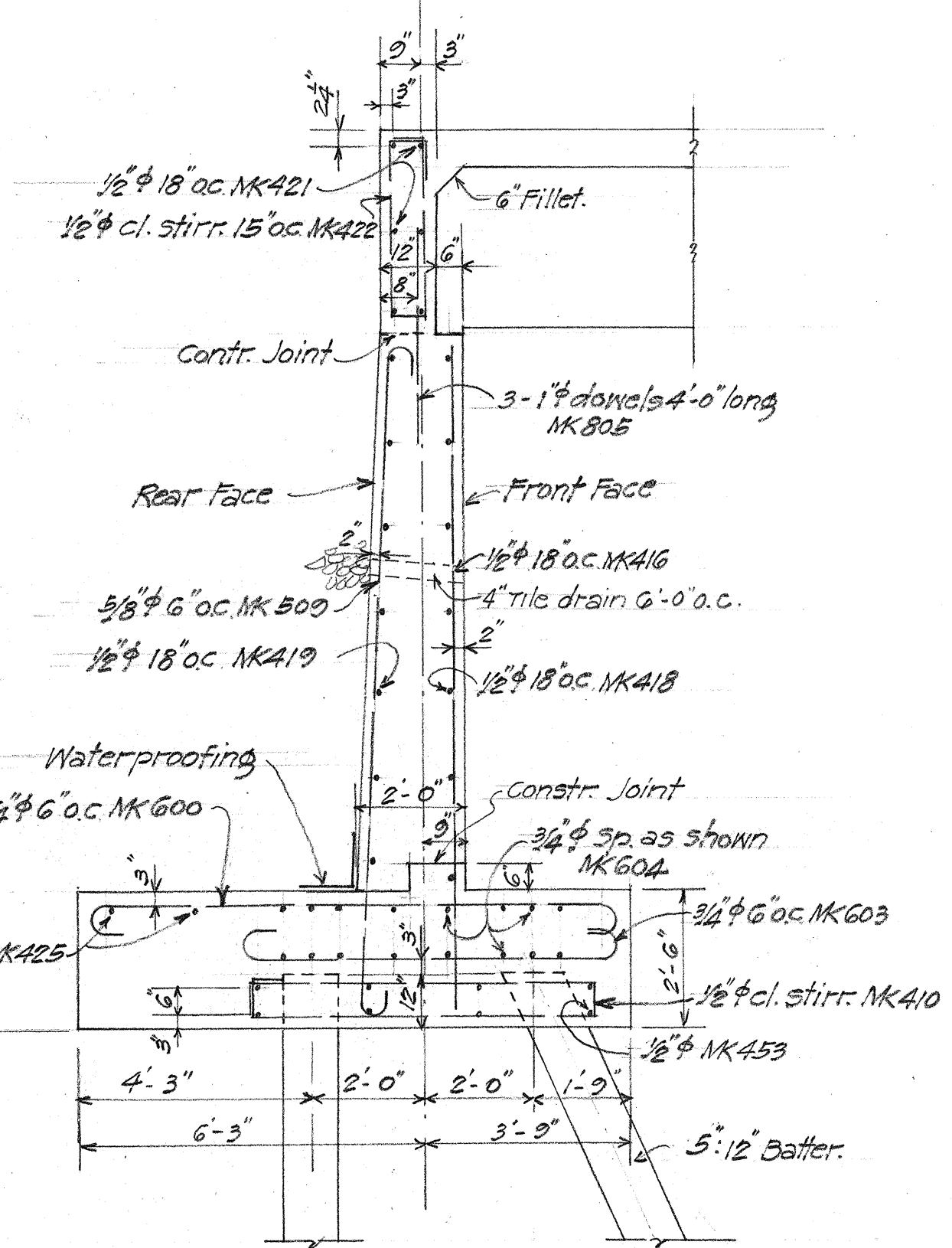
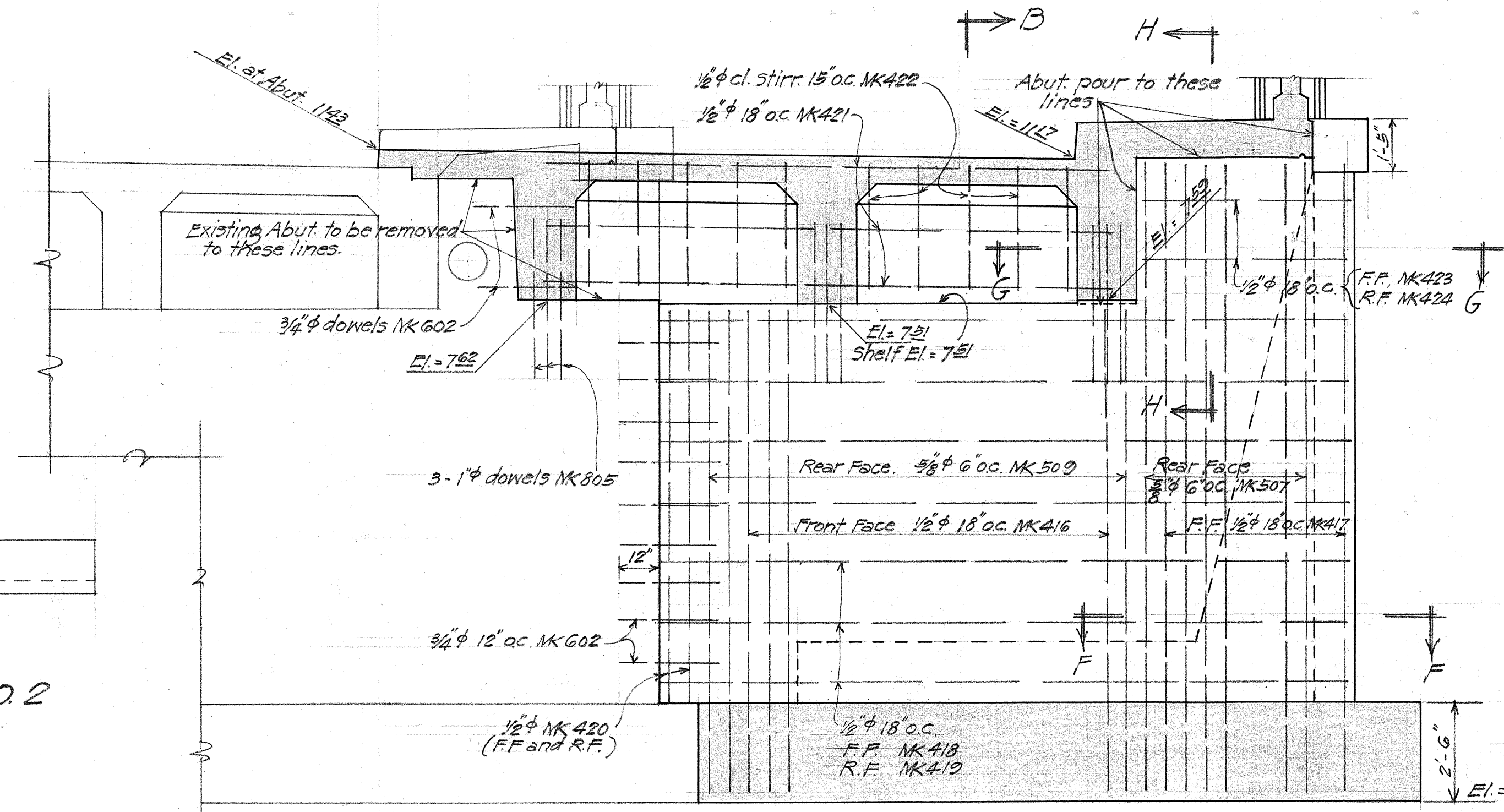
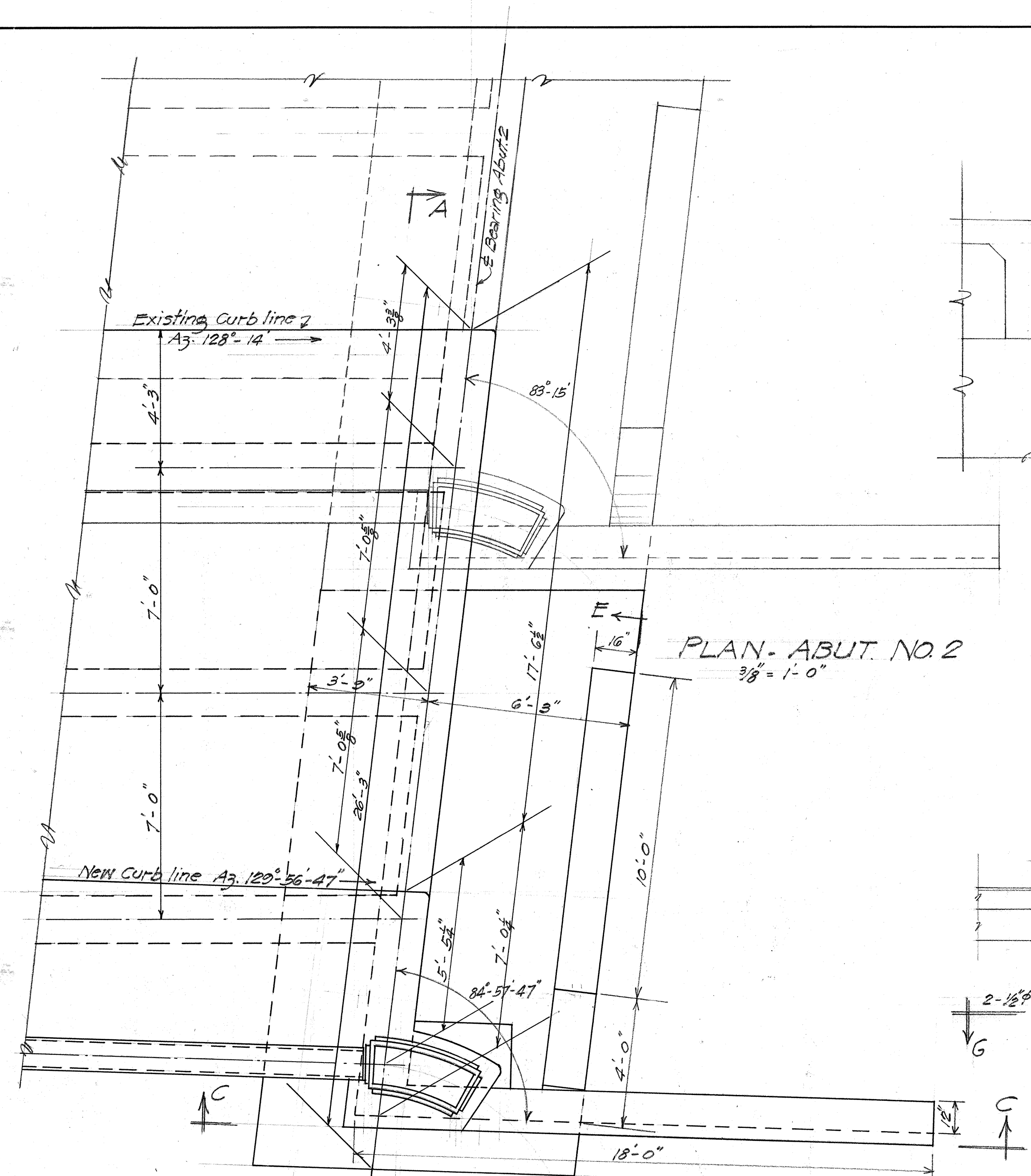
METHOD OF APPLYING CONSTRUCTION JOINT WATERPROOFING
1. Mop surface 18" either side of joint with hot asphalt 85-100 penetration applied at 200°F.
2. Apply one layer of 2 ply roofing paper 12" either side of joint to hot asphalt then mop entire surface with a thick coat of asphalt.



PLAN OF 24 OZ COPPER WATER STOP SHOWING PERFORATIONS
Scale: 1/2" = 1'-0"

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
AIEA BRIDGE WIDENING
Sta. 306+22.00 to 306+71.27
KAM HWY. Aug 1944 DANR 13(2)
SHEET NO 5 OF 7 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
Hawaii	Haw.	DANR 13	1944	36	70	



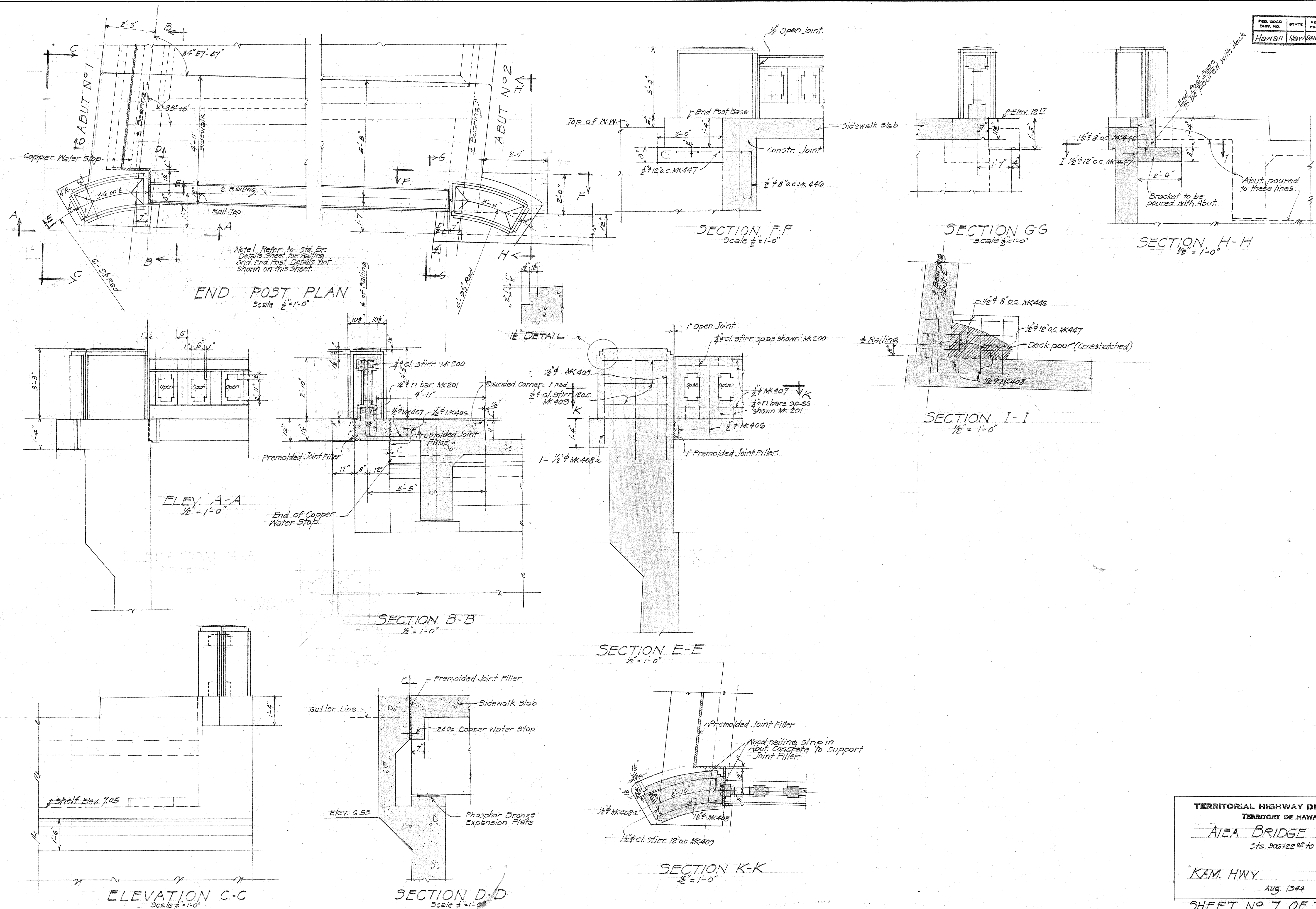
TERRITORIAL HIGHWAY DEPARTMENT
Territory of Hawaii
AIEA BRIDGE WIDENING
Sta. 300+22.00 to 300+71.27
KAM. HWY. DANR 13(2)
Aug. 1944

SHEET NO. 6 OF 7 SHEETS

5143.36

ORIGINAL PLAN
PLAN
NOTEBOOK
CHECKED BY
DATE

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	STREET NO.	TOTAL STREET
HAWAII	HAWAII	DANR13(3)	1944	37	70



TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
ALFA BRIDGE WIDENING
Sta. 306+22.82 to 306+71.87
KAM. HWY. DANR 132
Aug. 1944

SHEET NO 7 OF 7 SHEETS
5143.37

5 1 4 3 . 3 2