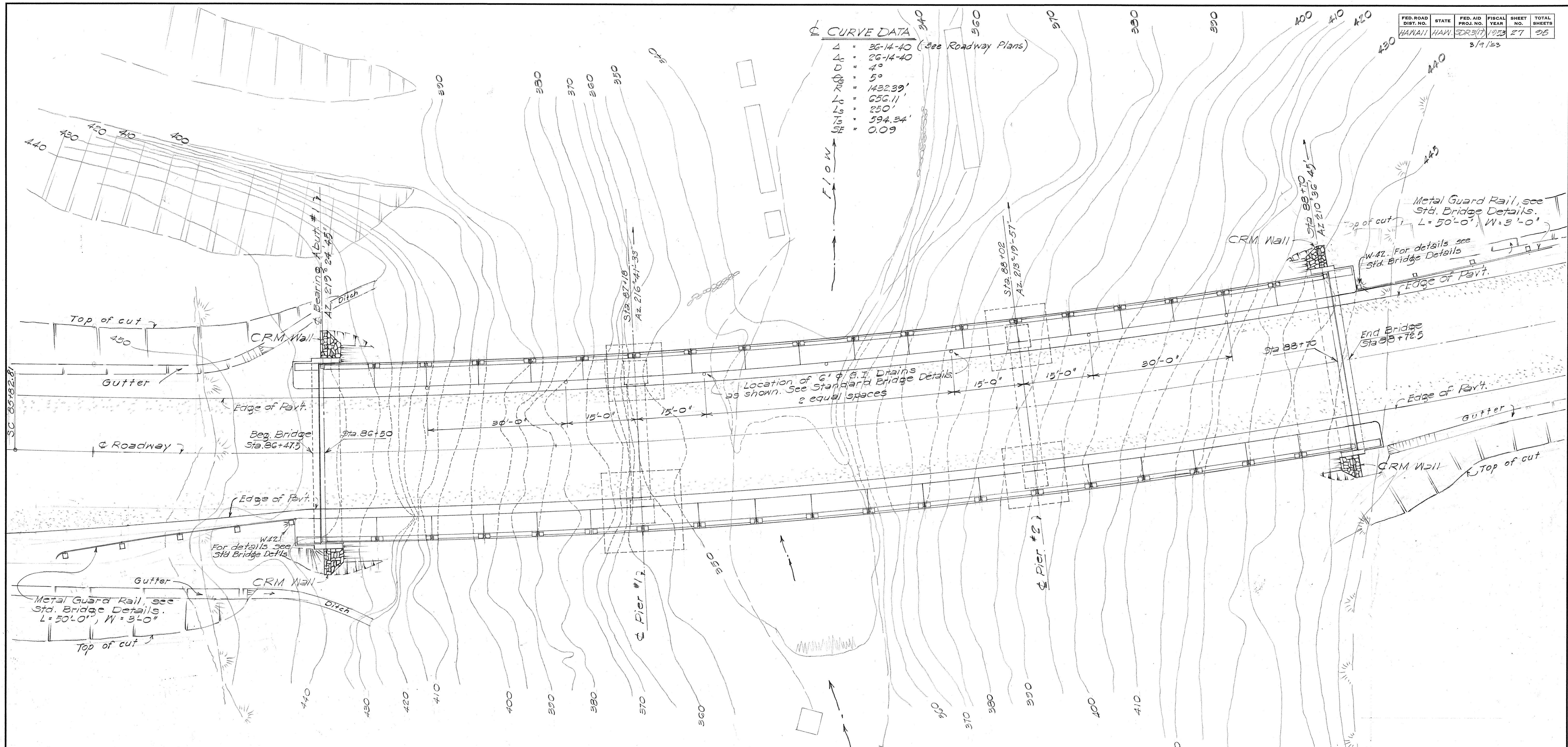




CURVE DATA

Δ	36-14-40 (See Roadway Plans)
Δ _c	26-14-40
D	4°
R _g	5°
R _c	1432.39'
L _c	656.11'
L _s	250'
T _s	594.34'
SE	0.09

PLAN

1" = 10'-0"

NOTE: For longitudinal section, see sheet #4.

NOTES:

- Design Data:**
- H20-S16-44 loading; $f_s = 20,000 \text{ psi}$; $f_c = 1200 \text{ psi}$; $n = 10$
- Construction Method:**
- If contractor chooses a non-mono-lithic pour of girder and deck slab, he shall so notify the engineer for determination of shear keys (Constructed Shear Key)
 - Sidewalk and railing shall not be poured until falsework has been released.
 - Dampproofing required in accordance with Section 66 of Standard Specification.
- Specification for Lead-Bearing Plate:**
- These plates shall be rolled from pig lead made from ore or other material by process of reduction & refining. The use of reclaimed lead shall not be permitted. The material shall contain a minimum of 99.85% of lead & shall fulfill the requirements of the "Standard Specification for Pig Lead," A.S.T.M. Designation B 29.
- Materials:** • All concrete Class A-1

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII

KILAUEA BRIDGE
Sta. 86+40 to Sta. 88+75
HAWAII BELT ROAD SDR 3(17)
August, 1952

SHEET NO. 1 OF 3 SHEETS

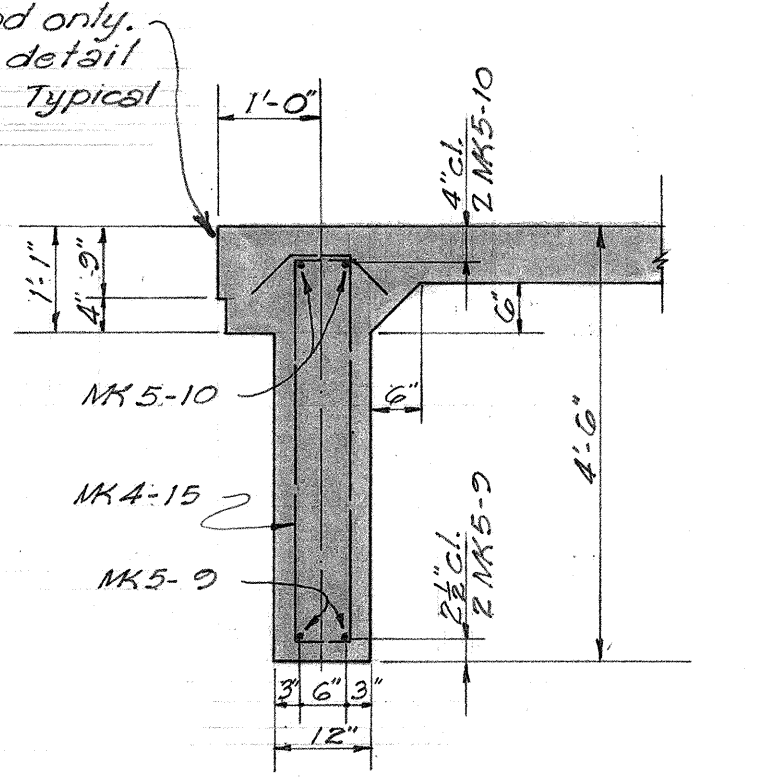
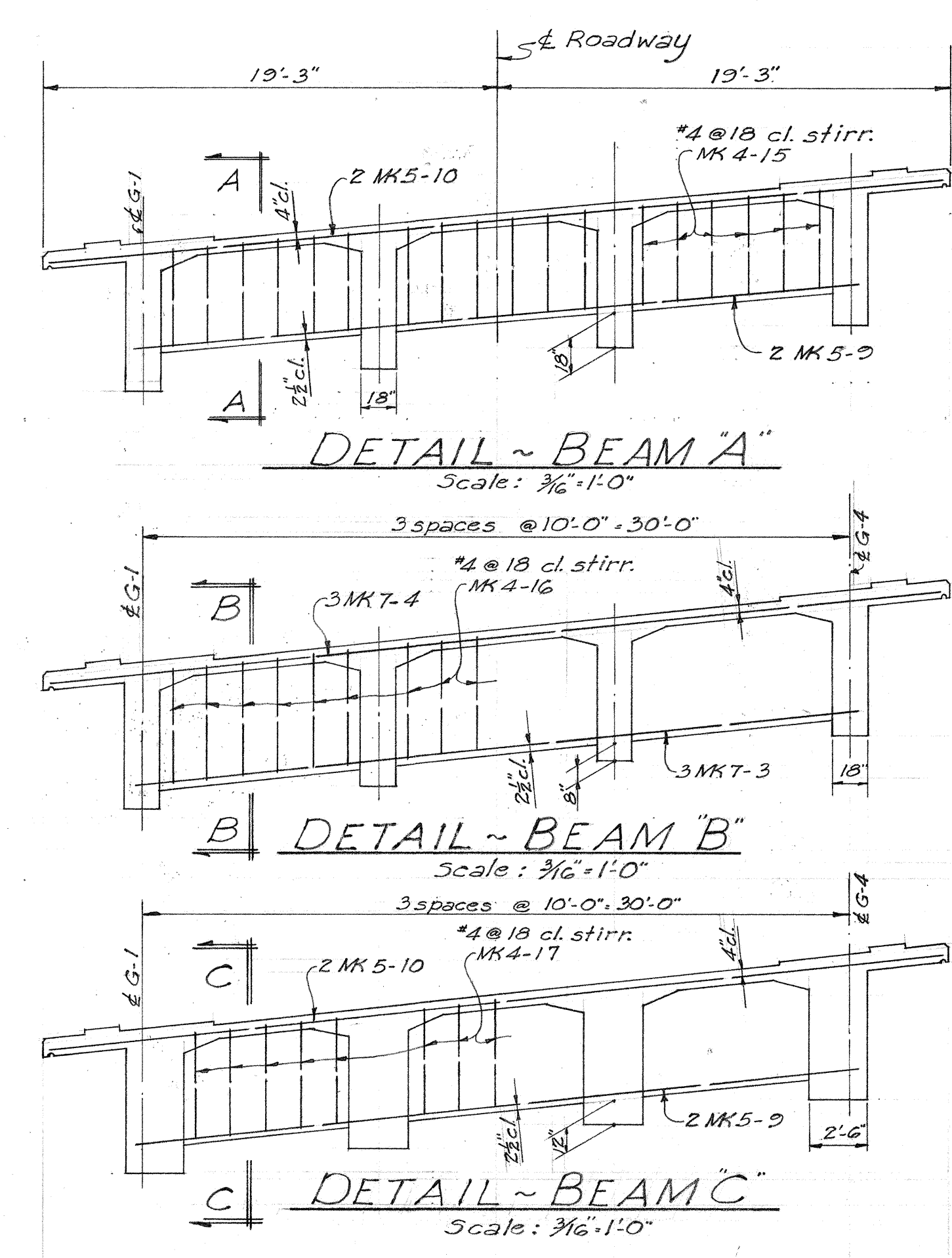
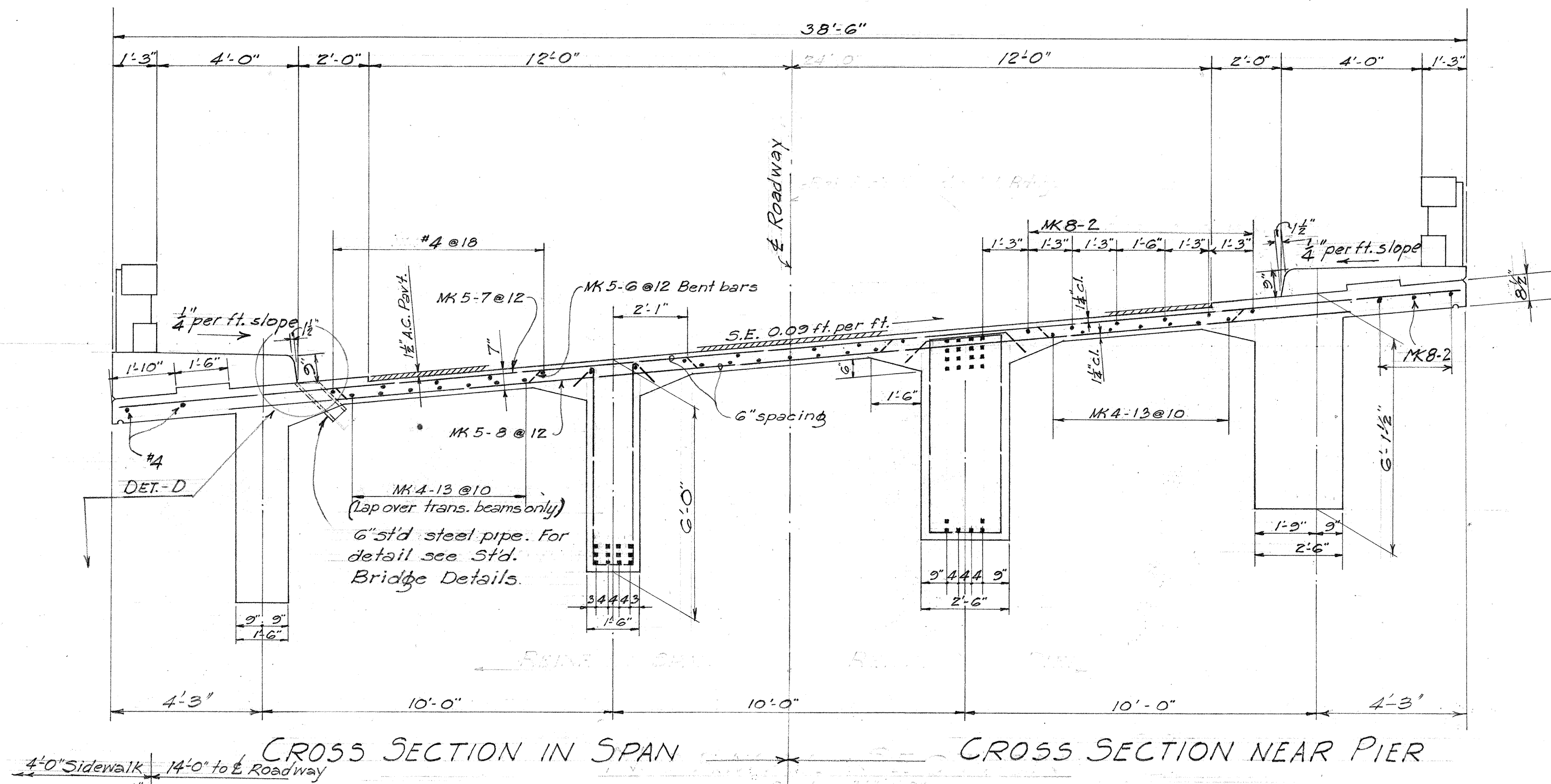
5607.27

ESTIMATED QUANTITIES

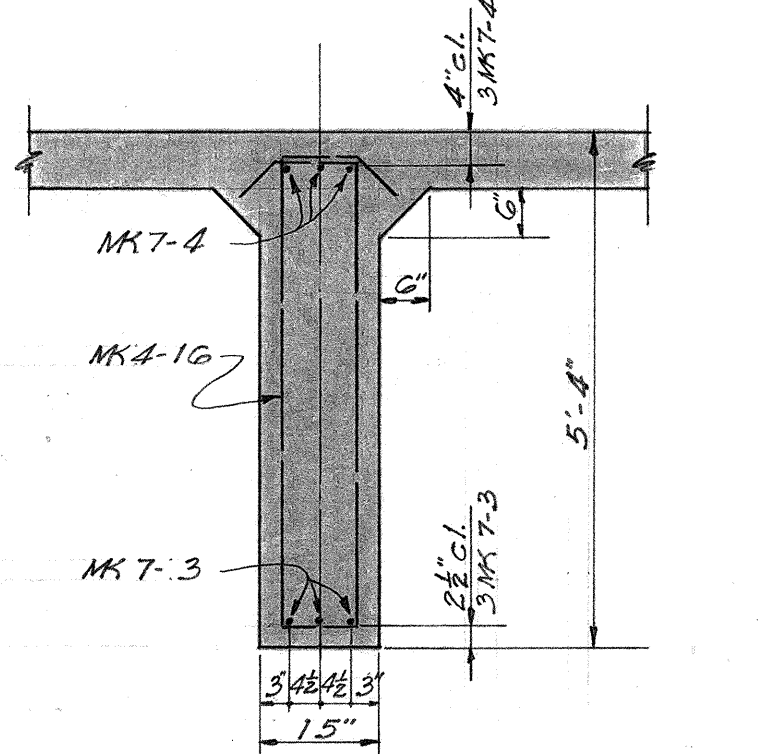
Item	Location	SUPERSTRUCTURE		ABUTMENT #1		ABUT. #2	PIER #1	PIER #2	TOTAL
		DECK	SIDEWALK	ABUT.	ROCKER				
CLASS A-1 CONC.		560	60.	56.	1.3	45.3	296	217.8	1244.8
REINF. STEEL		124,234	68	4,076	462	3,081	54,162	40,761	226,671 lbs.
STRUCT. EXC.				210		170	605	540	1,525 cu. y.
DAMP-PROOFING				91.		70	183	196	540 sq. ft.
C.R.M.				14		8			22 c.c.
RAILING		464							464 L.F.
A.C. PAVING		526							52.6 T.
EMULSIFIED ASPHALT		150							150 gal.

SURVEY DATED BY: 2/13/53
DESIGNED BY: J. B. B. B. B.
DRAWN BY: J. B. B. B. B.
CHECKED BY: J. B. B. B. B.
NOTE BOOK No. 1

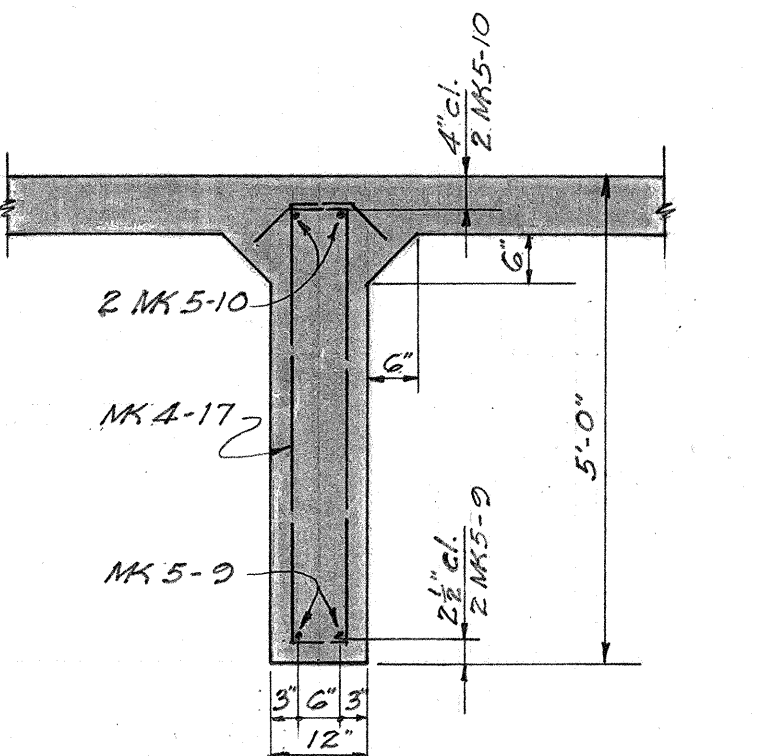
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	SDR3(17)	1953	28	25



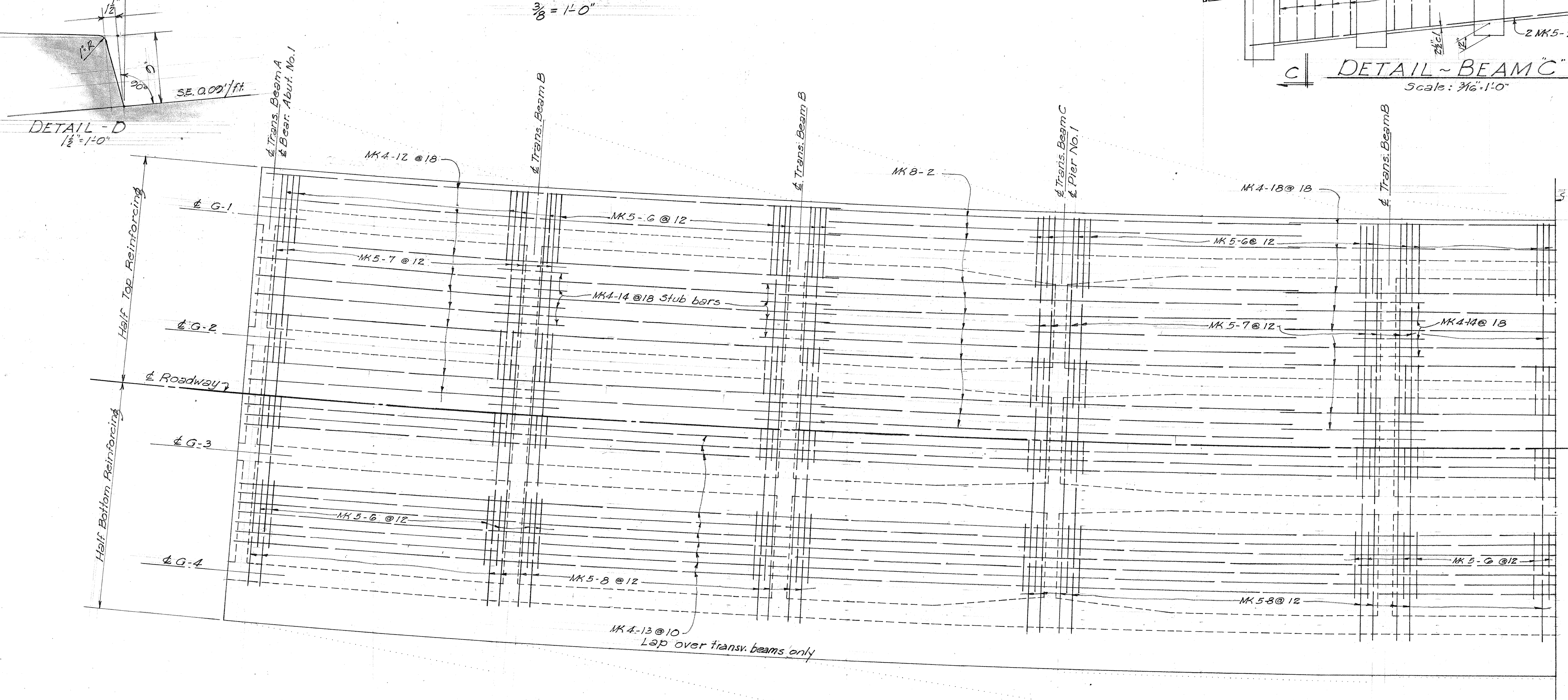
SECTION "A-A"
Scale: 1/2" = 1'-0"



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



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

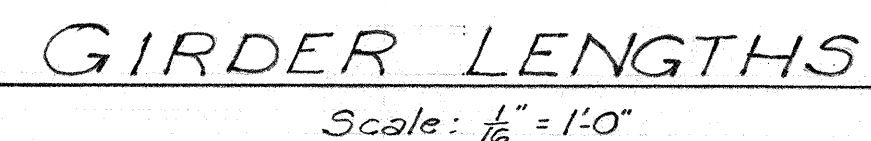
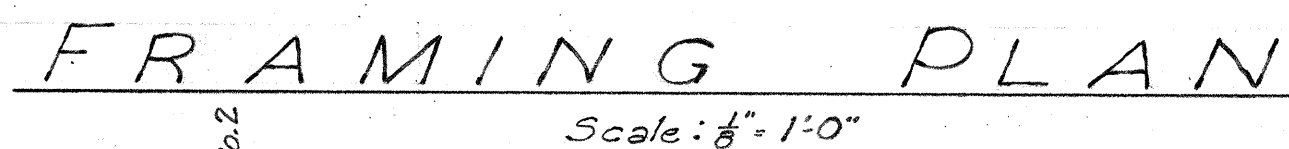
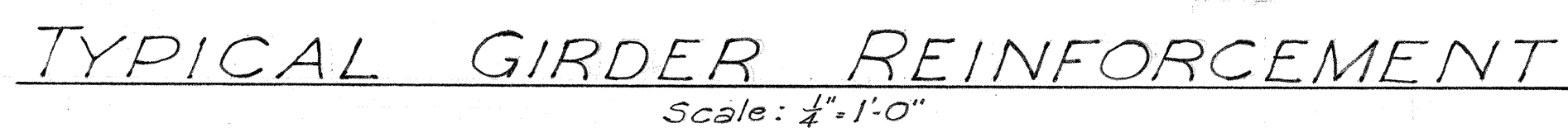


HALF DECK SLAB REINFORCEMENT
Scale: 3/16" = 1'-0"

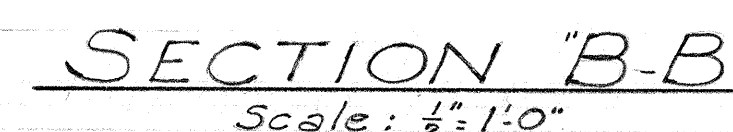
TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
KILAUE BRIDGE
Sta 86+47.50 to Sta 88+72.50
HAWAII BELT ROAD SDR 3(17)
August, 1952
SHEET NO. 2 OF 8 SHEETS

5607.28

SURVEY PLOTTED BY: DATE: 10/1/52
PLAN
DRAWN BY: M. J. JONES
NOTE BOOK
QUANTITIES CHECKED BY: S. J. OKAMOTO
NO.



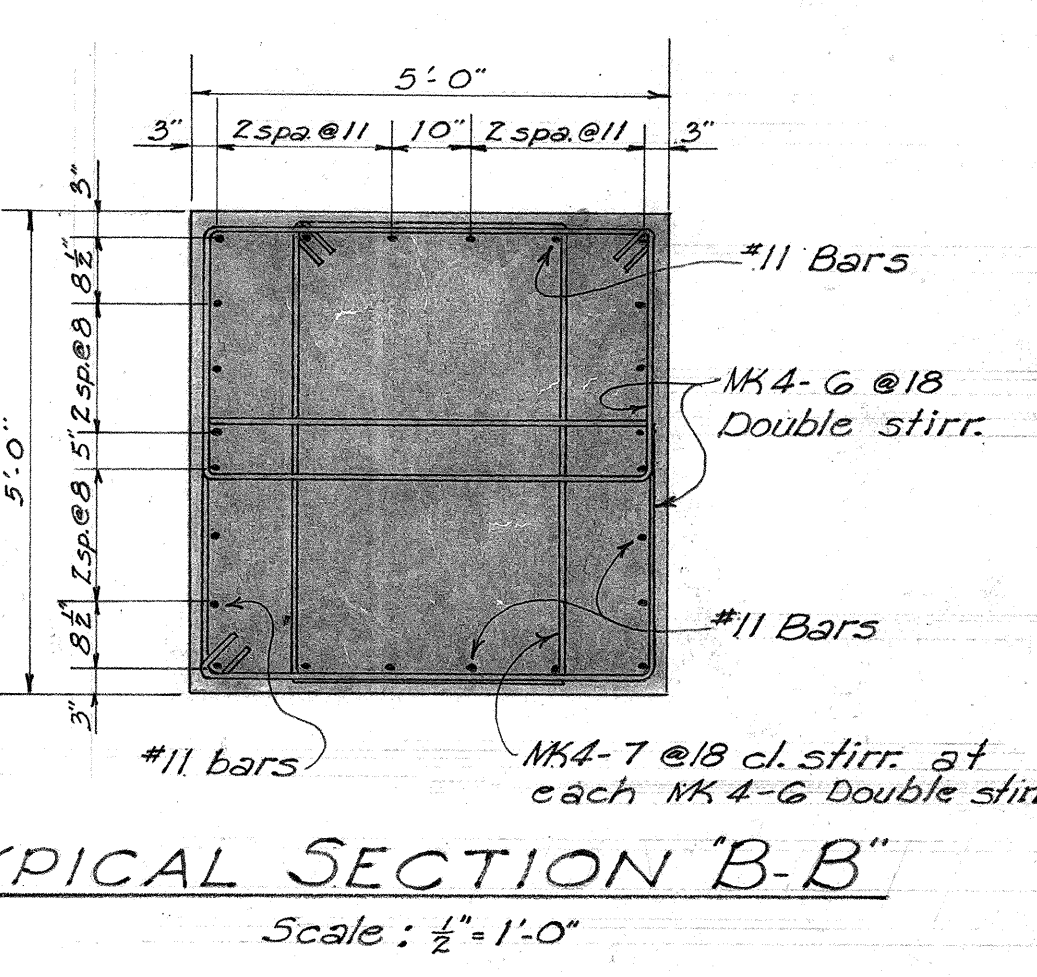
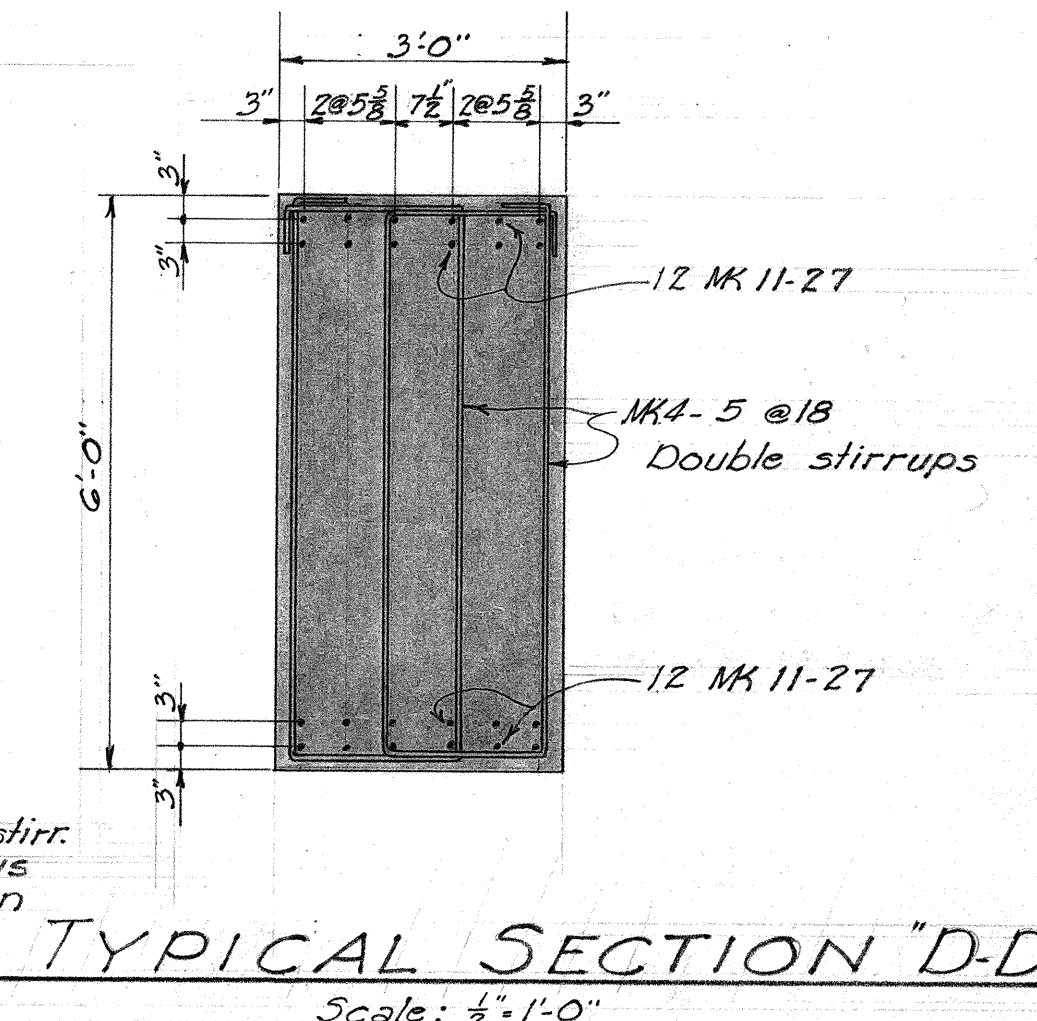
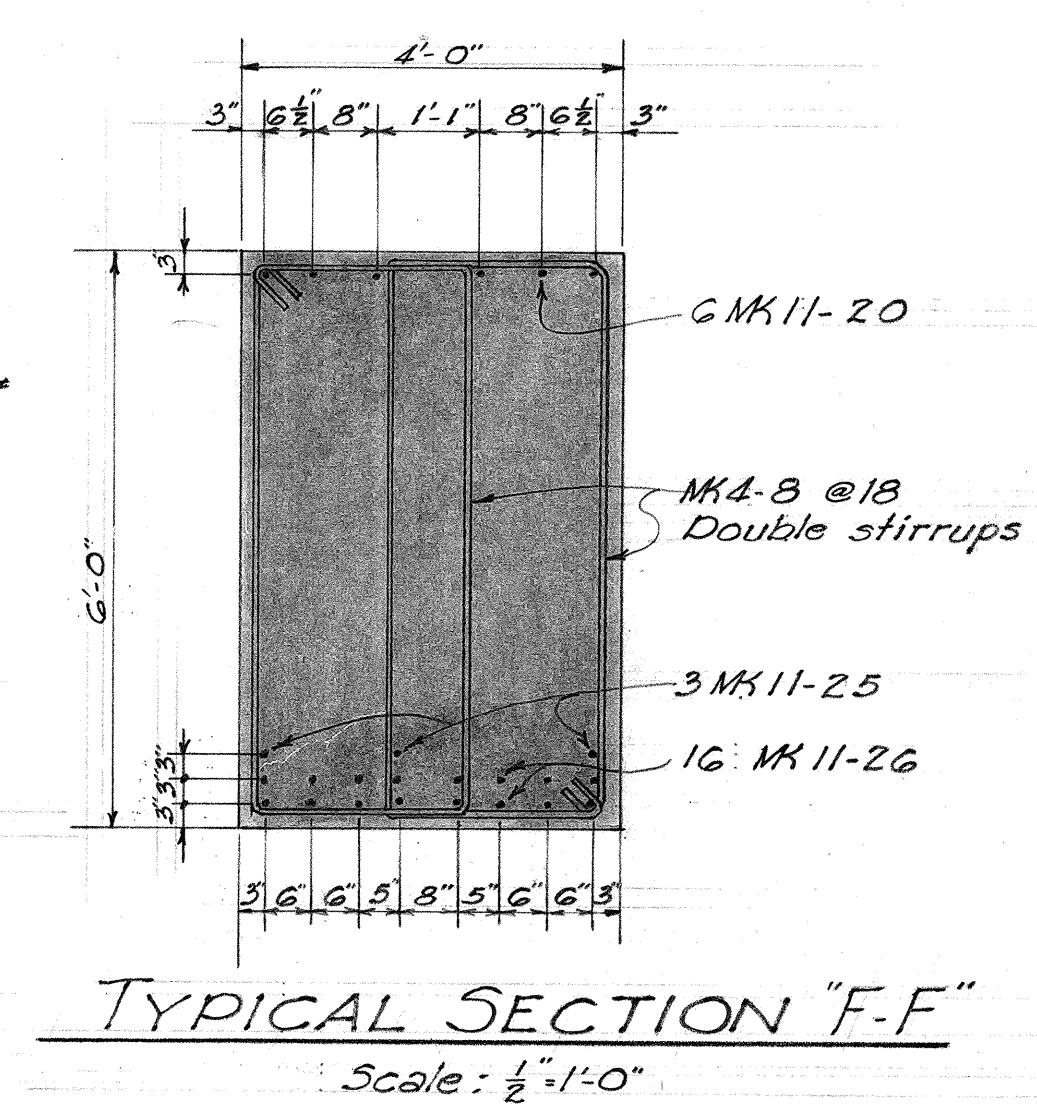
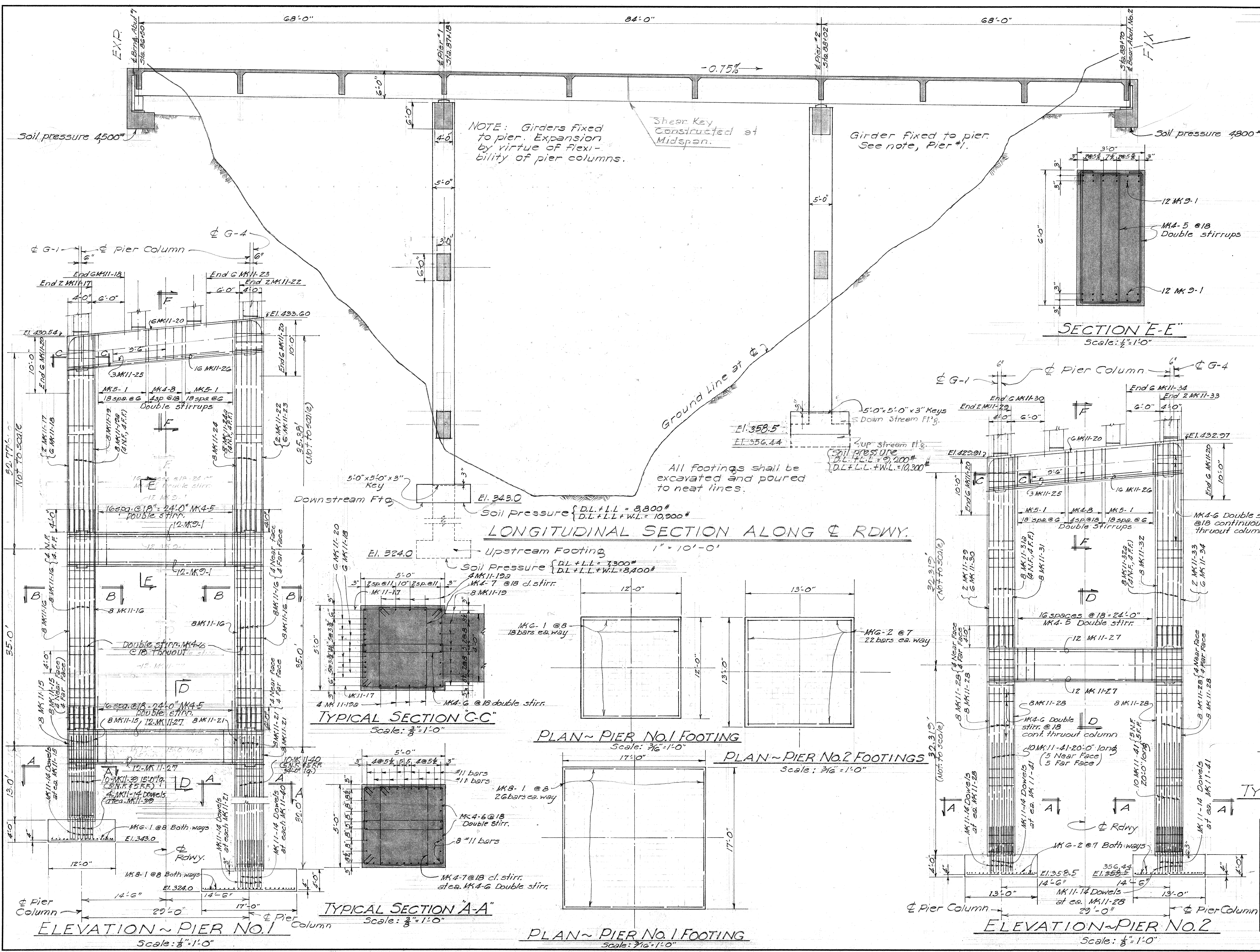
Dimensions shown are arc
lengths of girders from
£ Bearing to £ Bearing.



AUGUST, 1952

4-30-53

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	SDR3(17)	1953	30	35

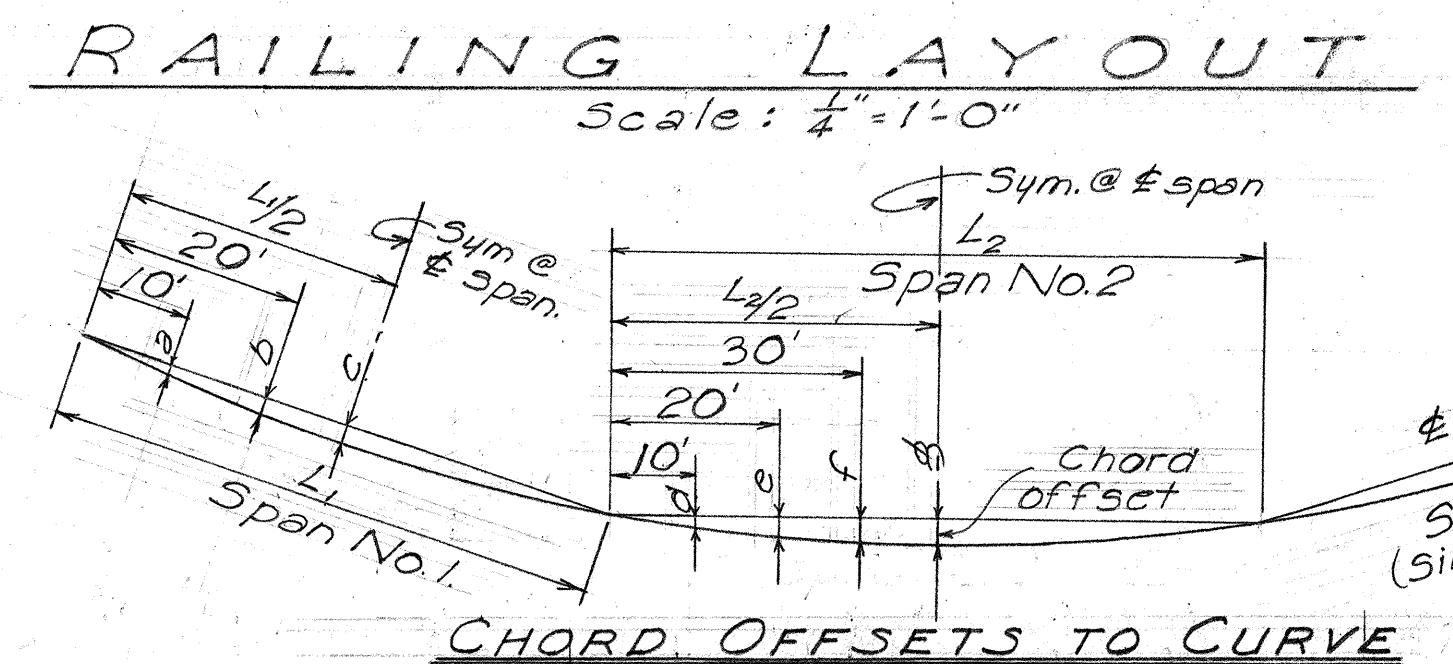
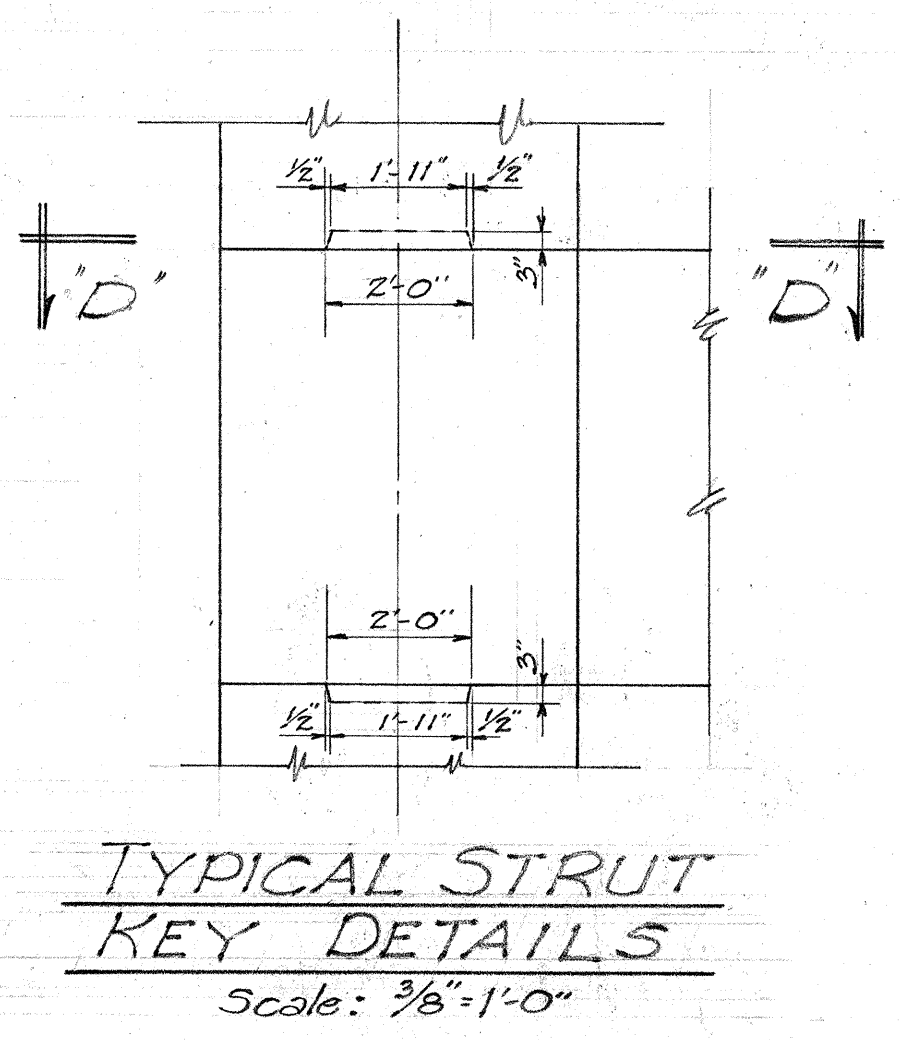
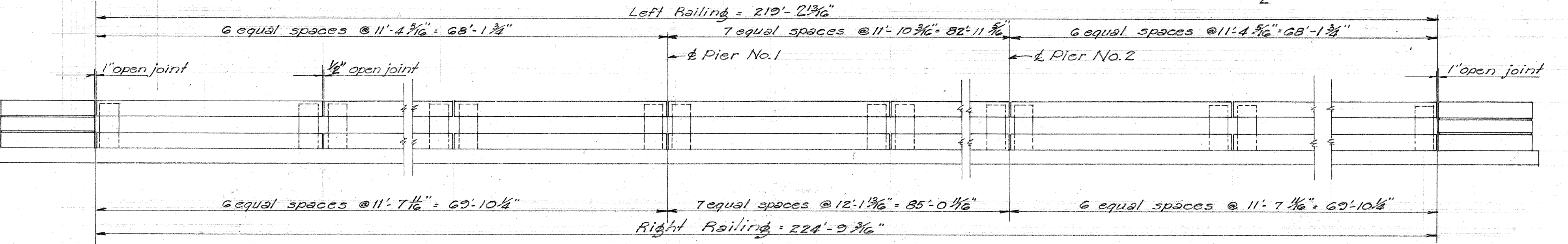
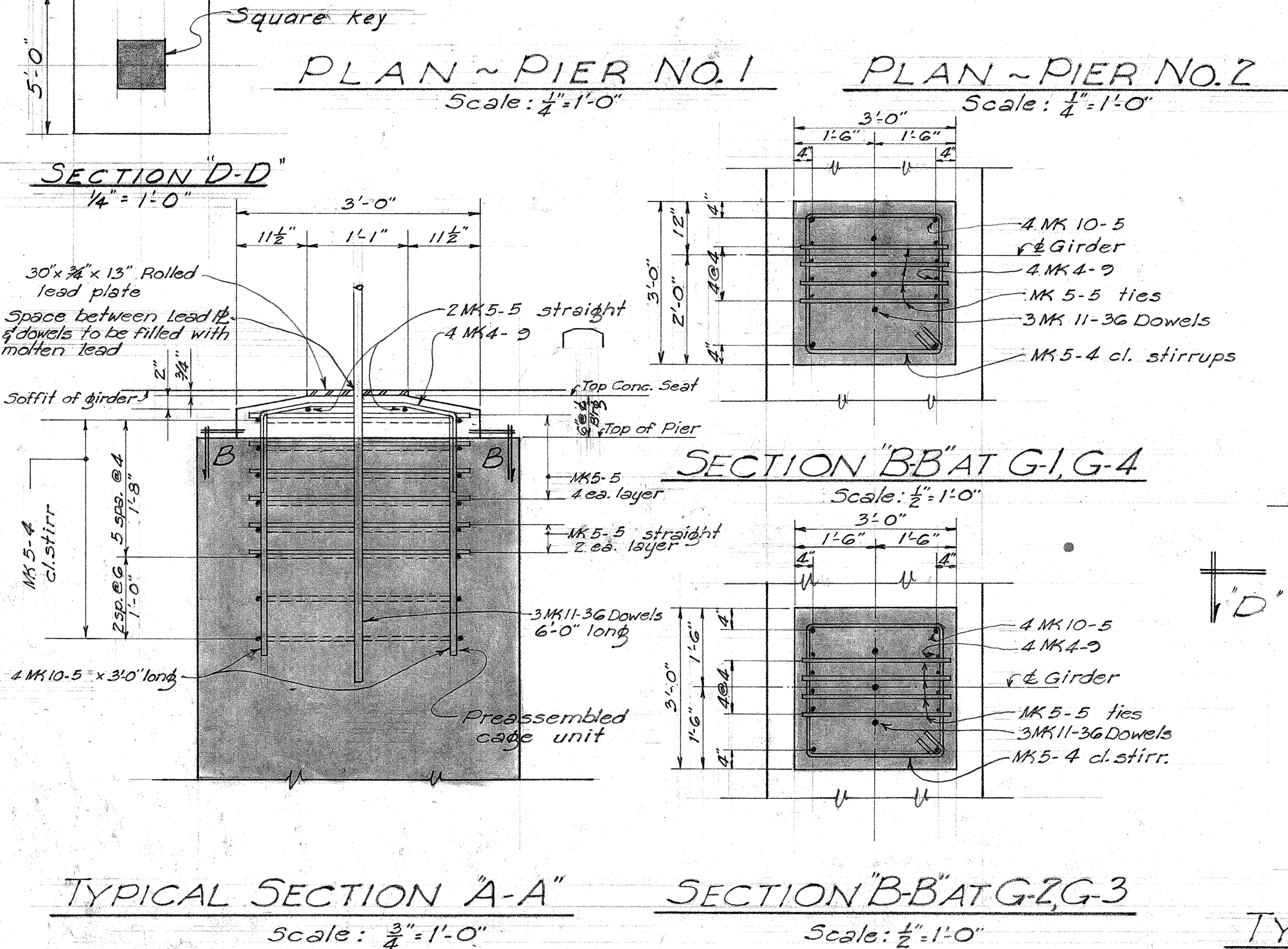
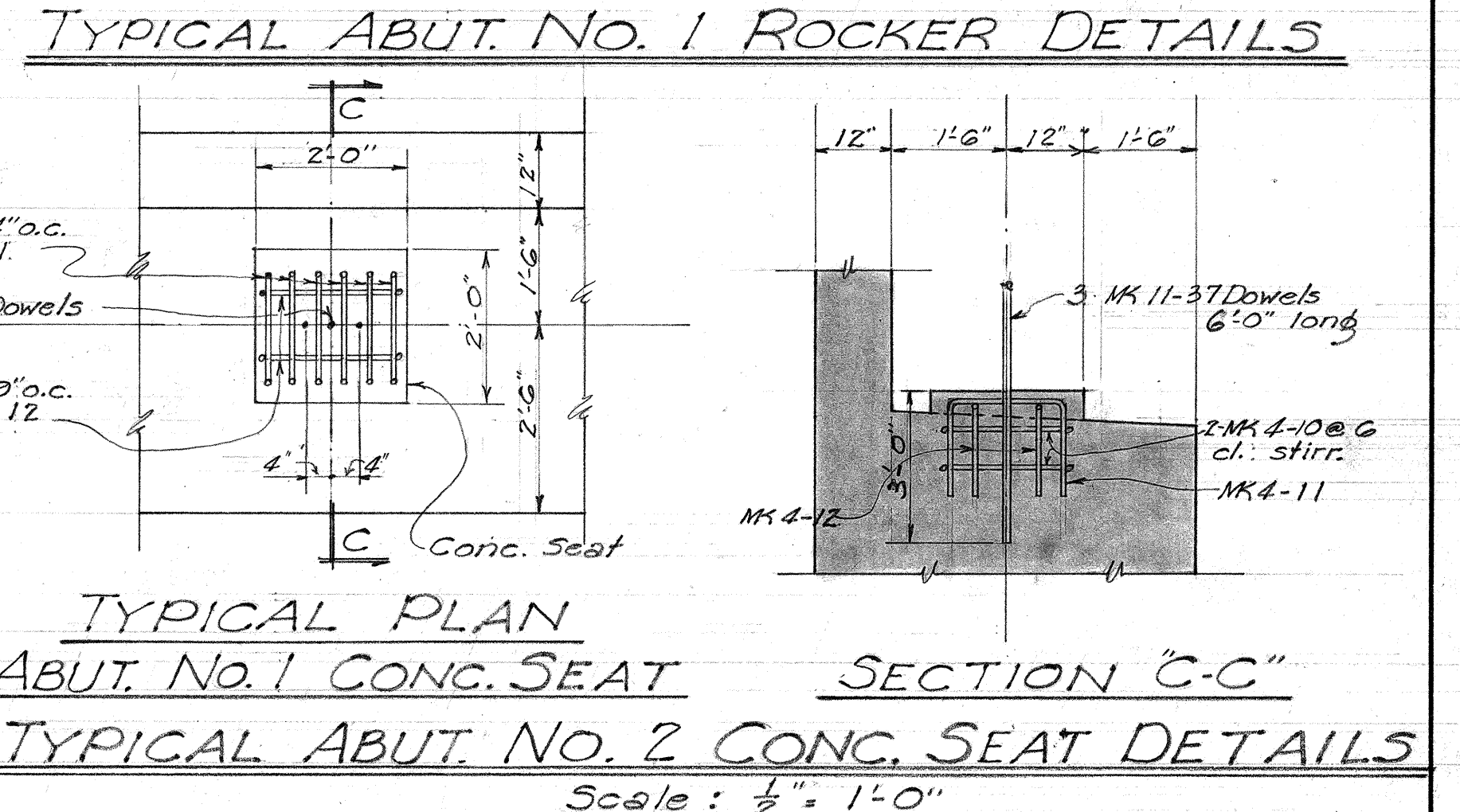
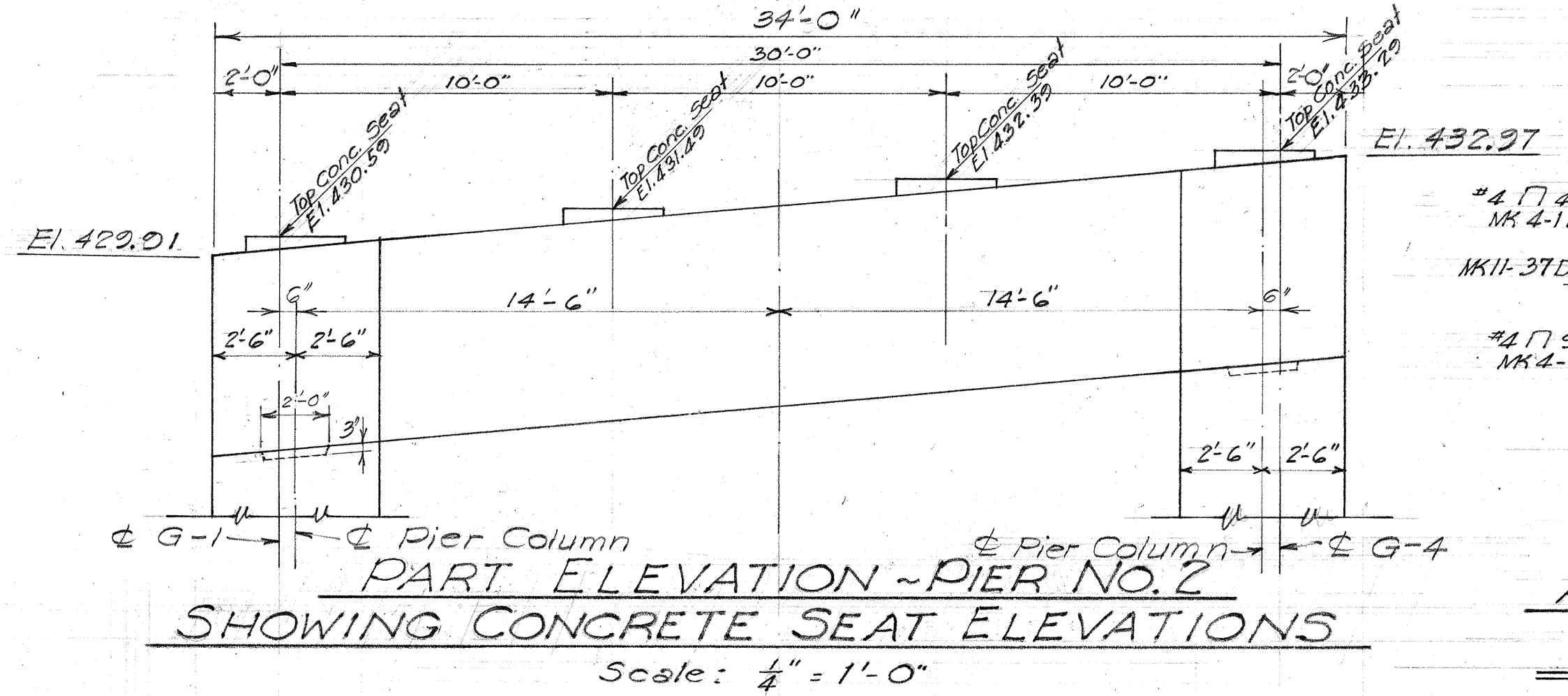
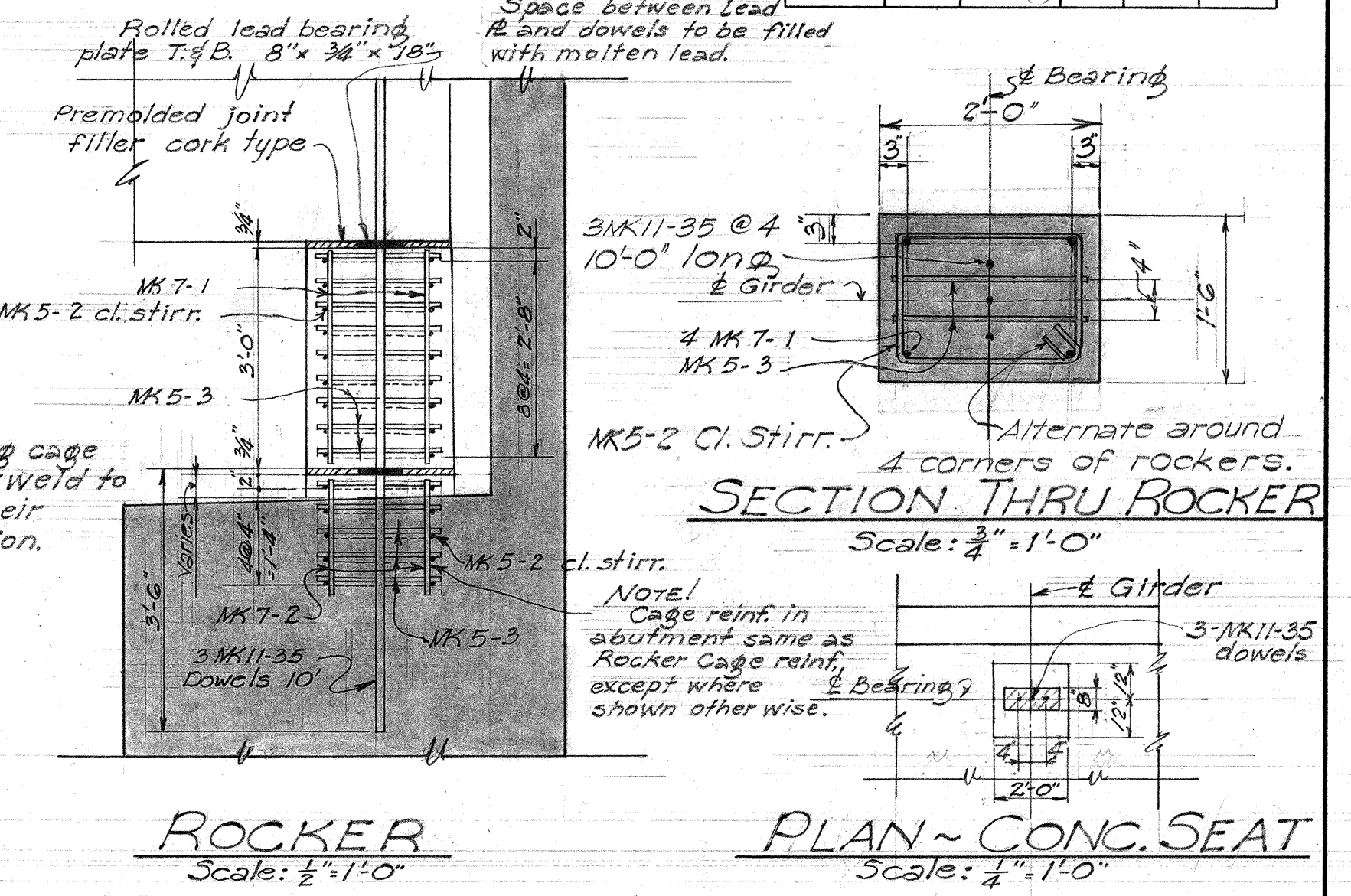
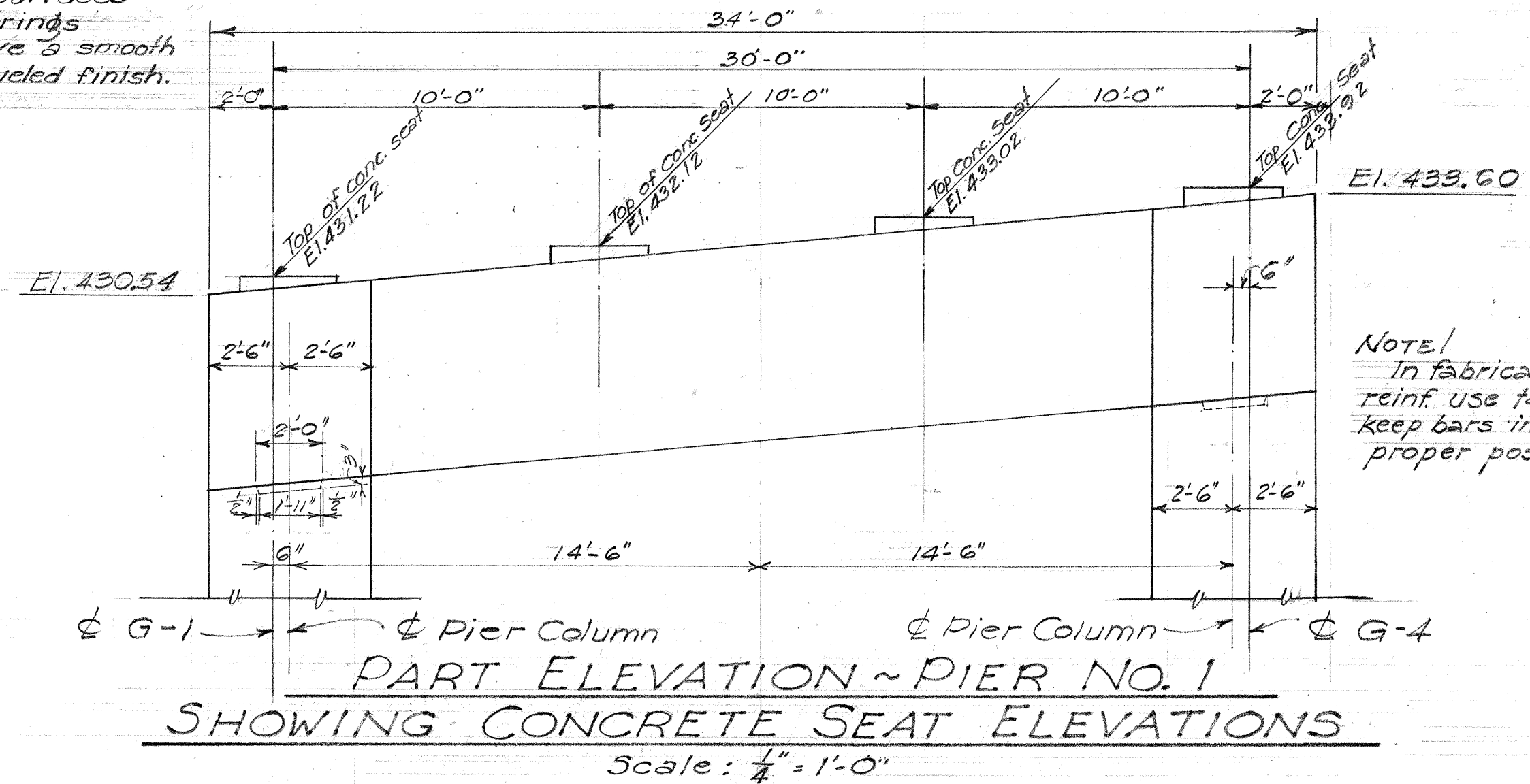
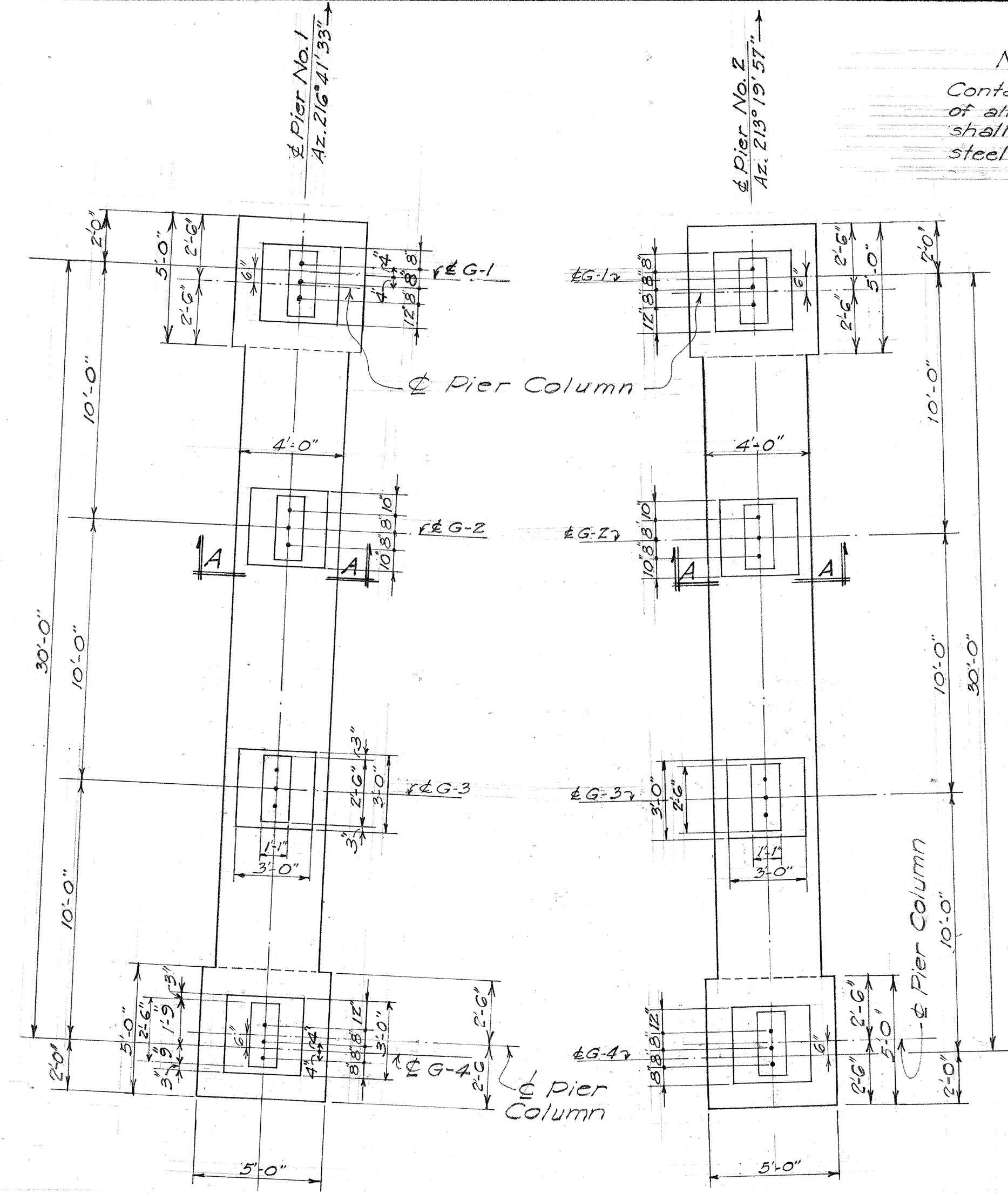


TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
KILAUEA BRIDGE
Sta. 86+47.50 to Sta. 88+72.50
HAWAII BELT ROAD SDR3(17)
August, 1952
SHEET No. 4 OF 8 SHEETS

5607.30

8/20/52
3/2/53

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	SDR 3(17)	1953	31	25



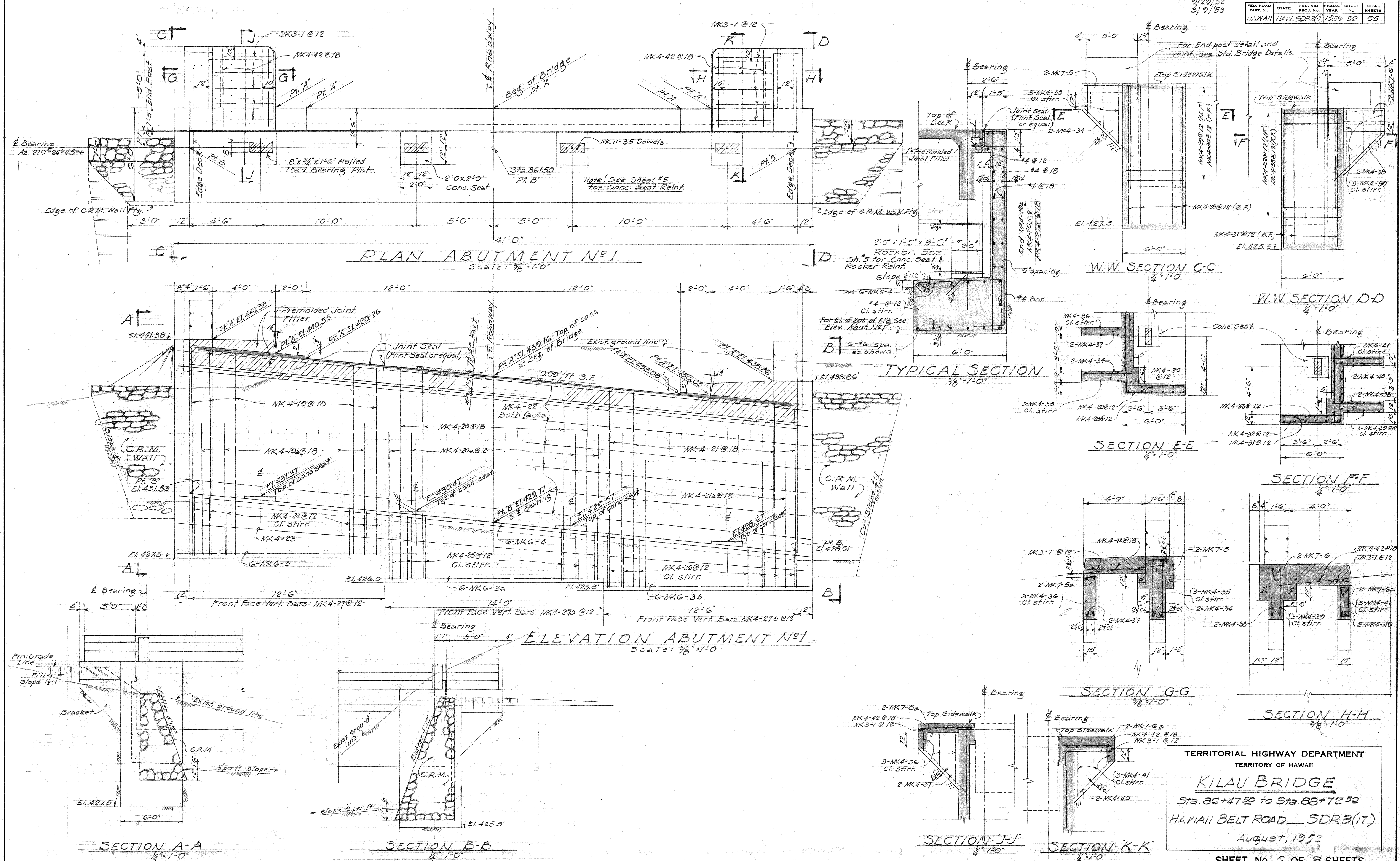
SPAN NO. 1				SPAN NO. 2				CHORD LENGTHS	
Point	a	b	c	d	e	f	g	$L\frac{1}{2} = L\frac{2}{2}$	$L\frac{3}{2}$
G-1	2 $\frac{3}{8}$ "	4"	4 $\frac{3}{4}$ "	3 $\frac{1}{8}$ "	5 $\frac{3}{8}$ "	6 $\frac{3}{4}$ "	7 $\frac{5}{16}$ "	33.64	41.55
G-2	2 $\frac{3}{8}$ "	4"	4 $\frac{3}{4}$ "	3 $\frac{1}{8}$ "	5 $\frac{3}{8}$ "	6 $\frac{3}{4}$ "	7 $\frac{5}{16}$ "	33.88	41.85
G-3	2 $\frac{1}{16}$ "	4 $\frac{1}{16}$ "	4 $\frac{1}{8}$ "	3 $\frac{1}{8}$ "	5 $\frac{1}{16}$ "	6 $\frac{7}{8}$ "	7 $\frac{3}{8}$ "	34.12	42.14
G-4	2 $\frac{1}{16}$ "	4 $\frac{1}{16}$ "	4 $\frac{1}{8}$ "	3 $\frac{1}{8}$ "	5 $\frac{1}{16}$ "	6 $\frac{7}{8}$ "	7 $\frac{3}{8}$ "	34.35	42.43

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII

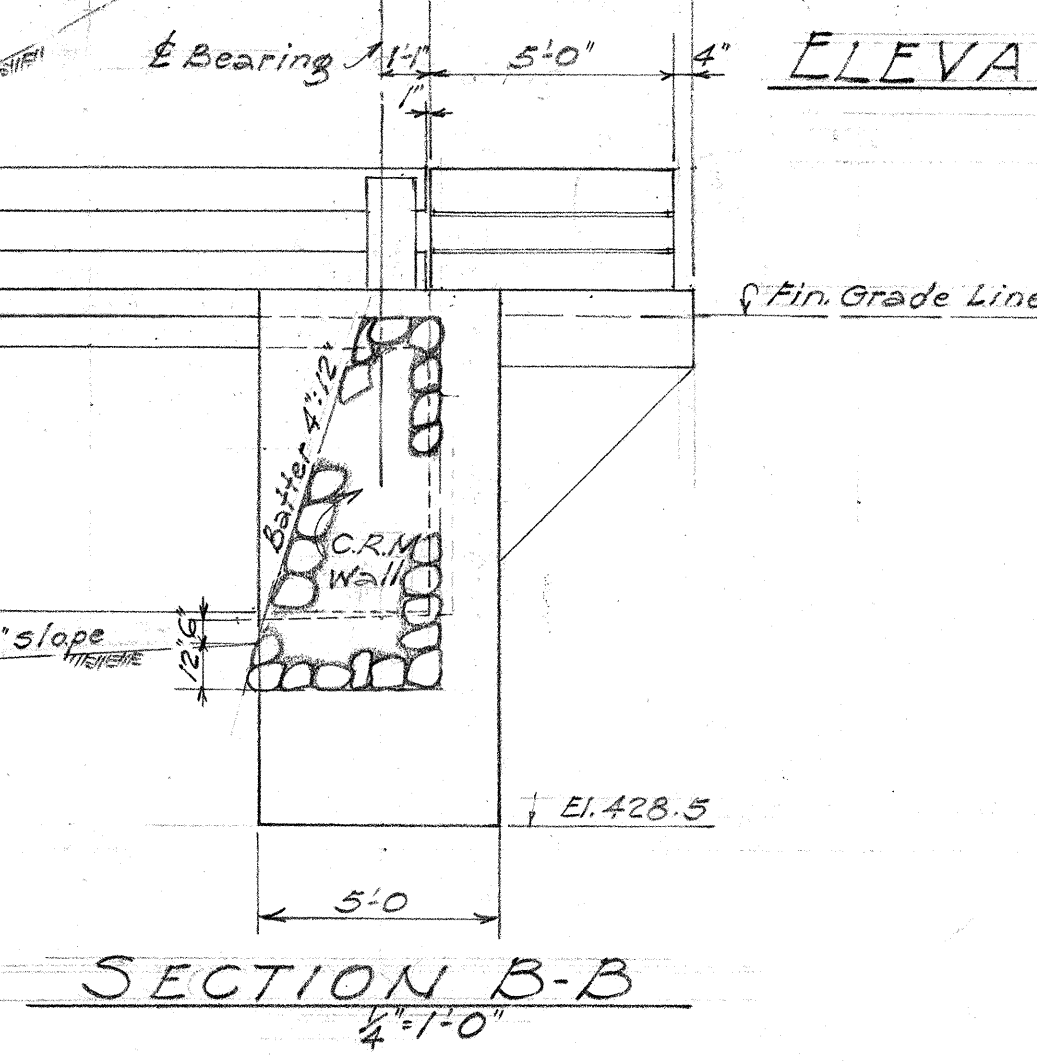
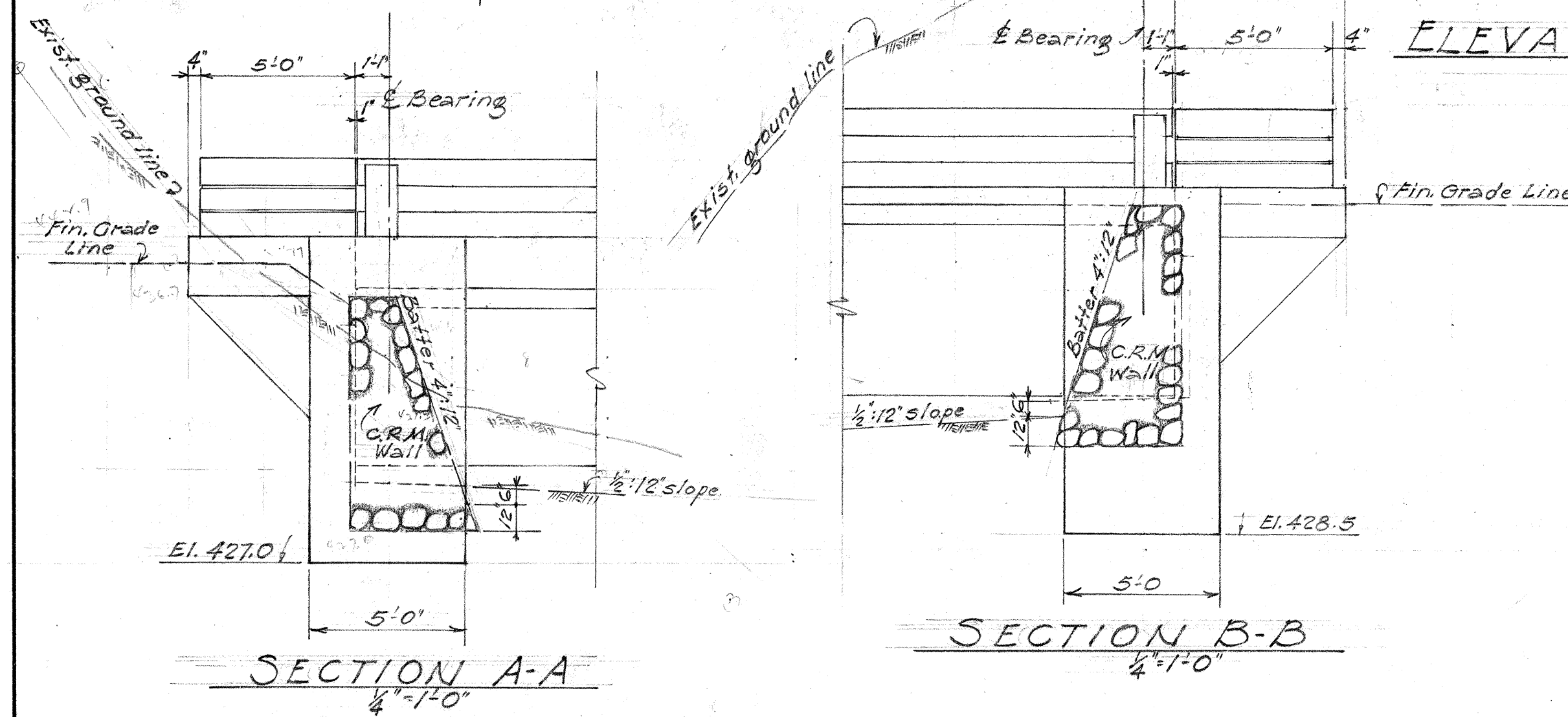
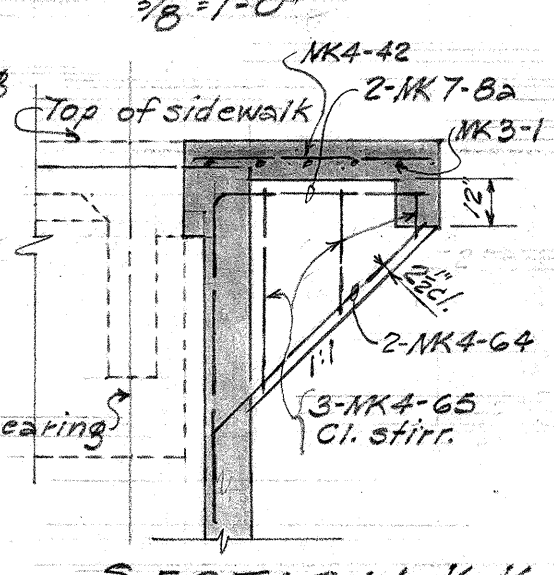
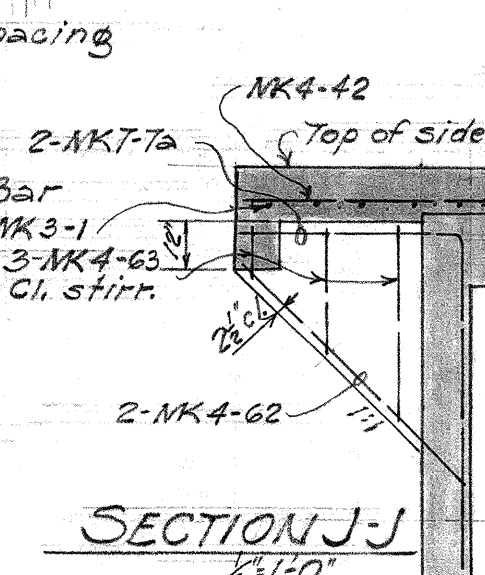
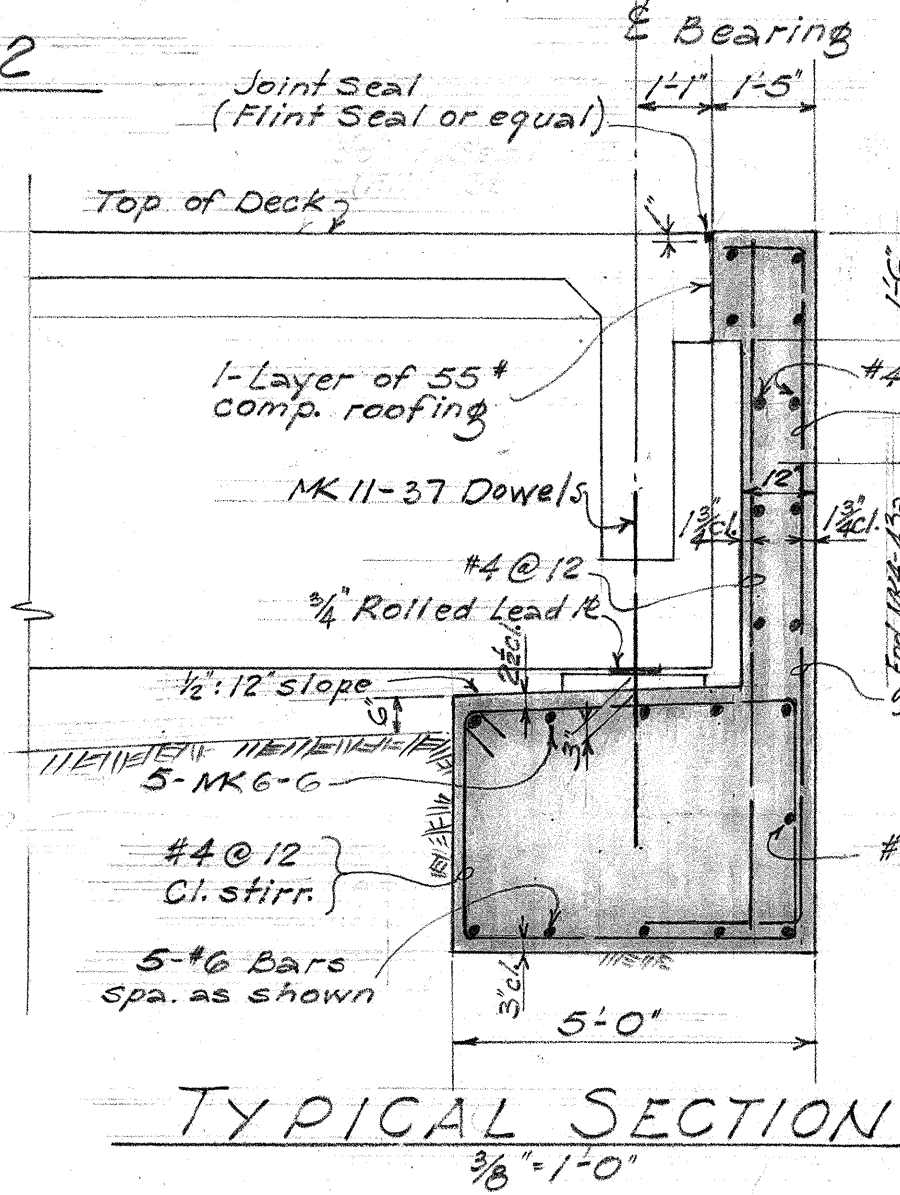
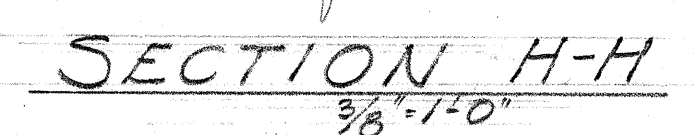
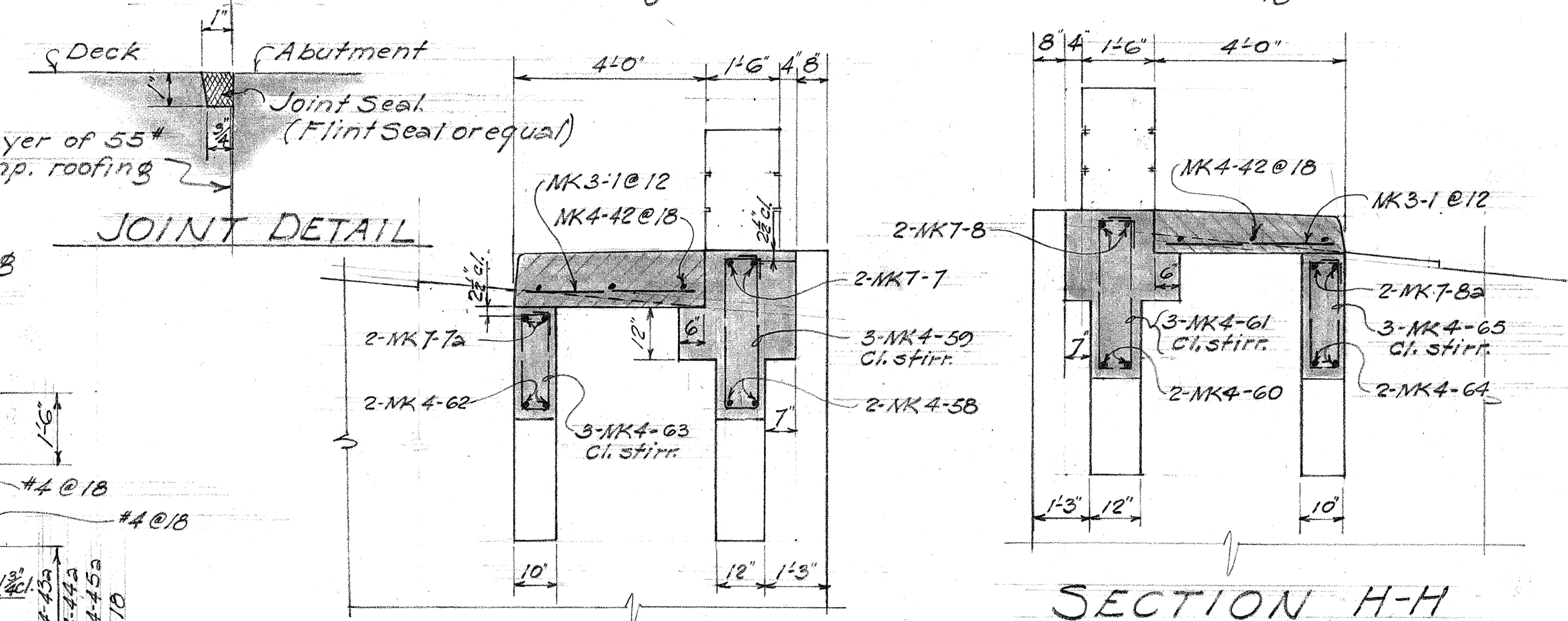
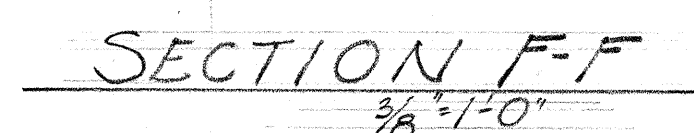
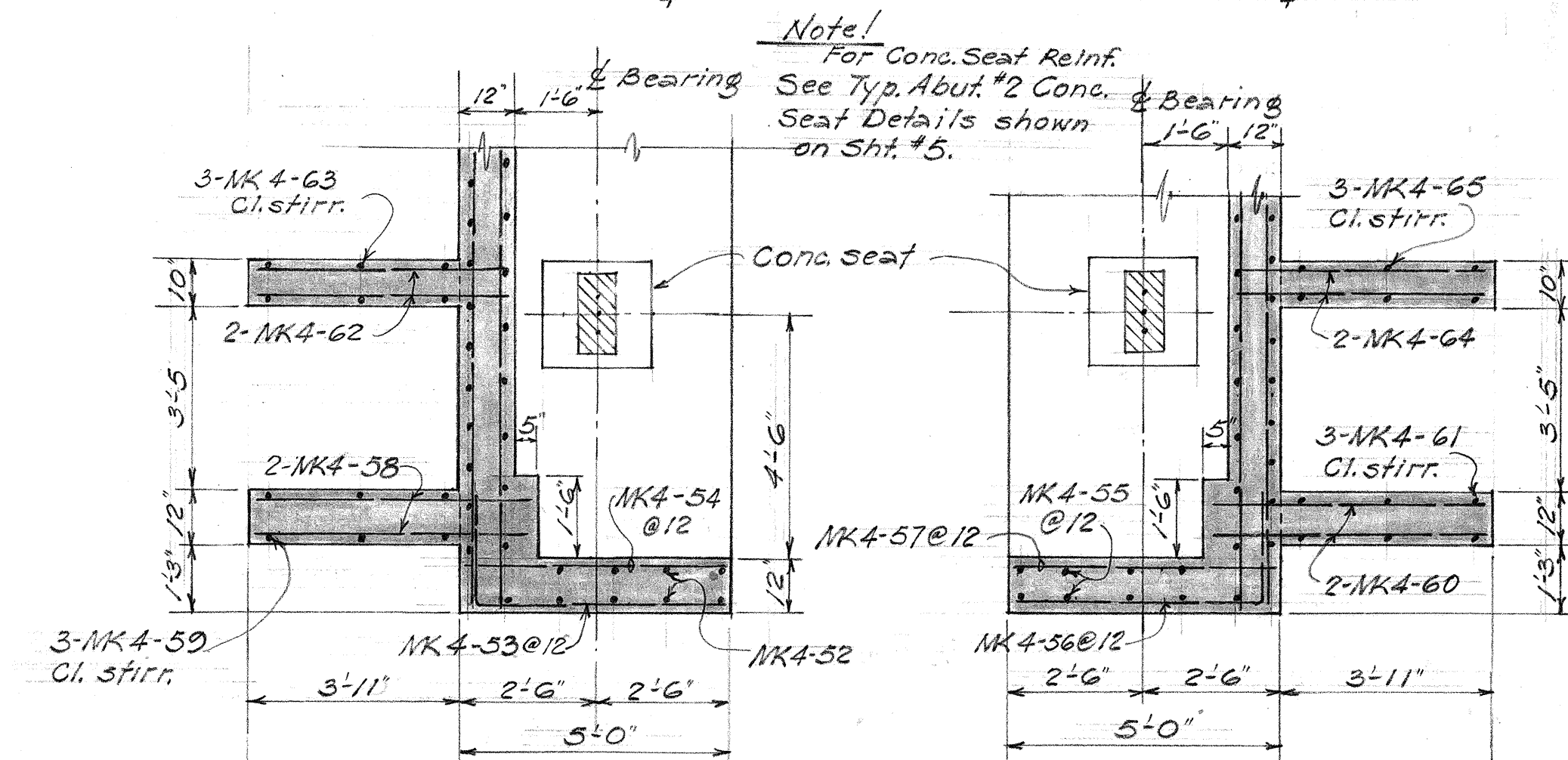
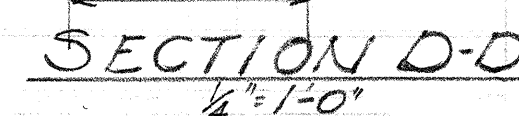
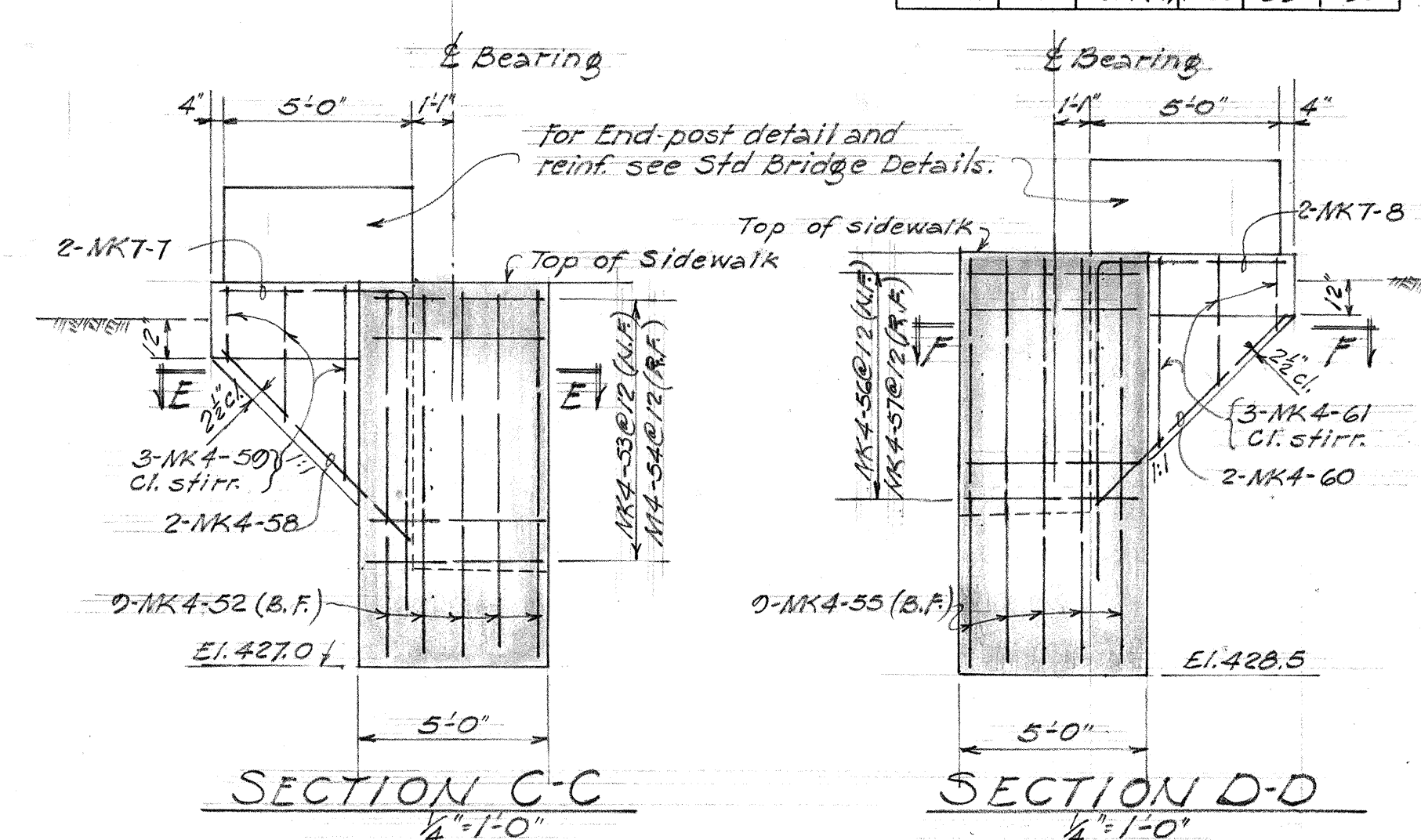
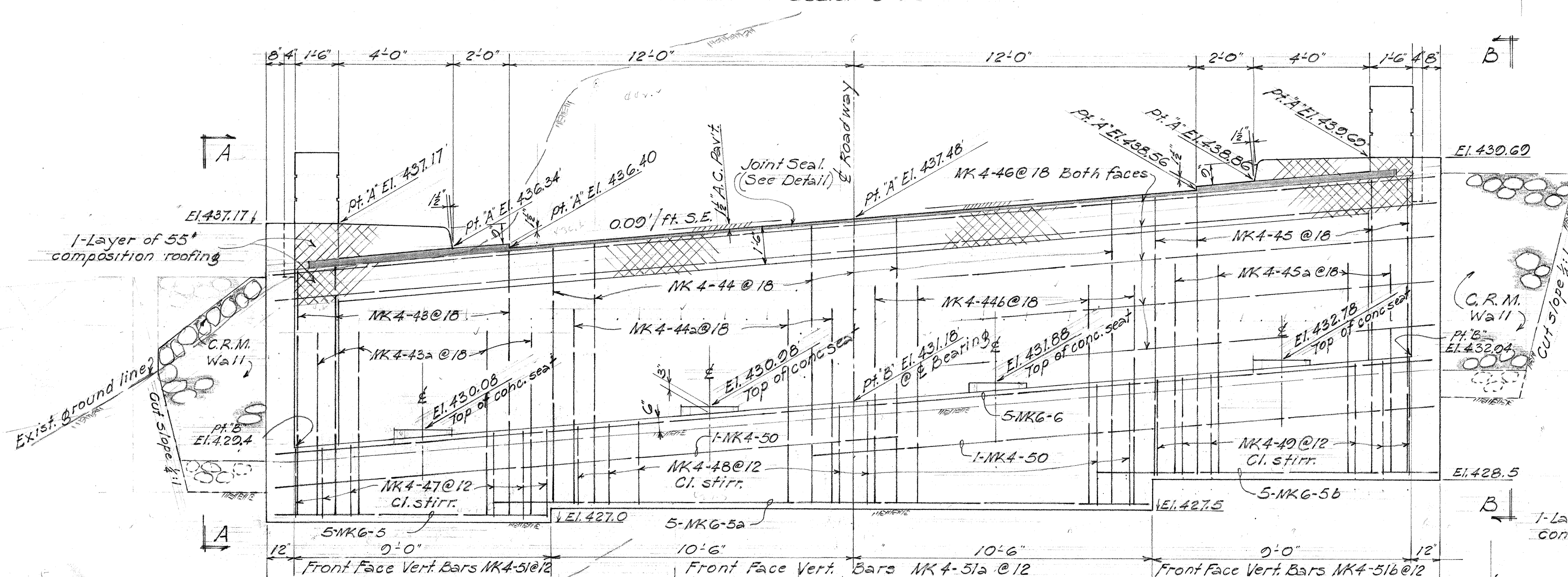
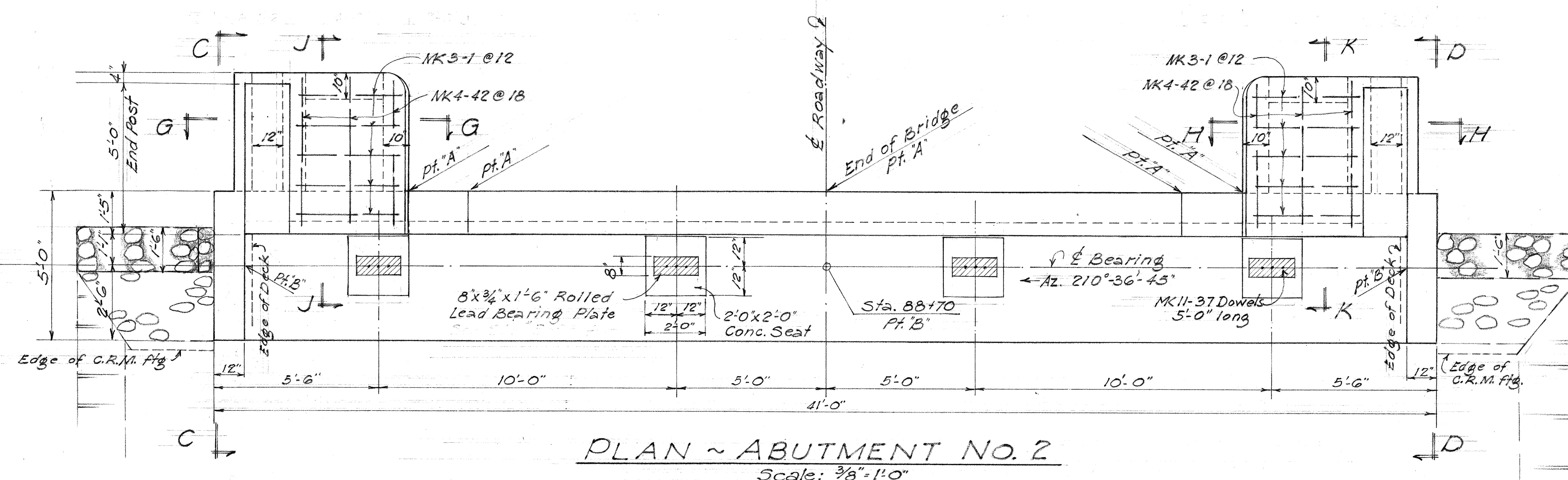
KILAU BRIDGE
Sta. 86+47.50 to Sta. 88+72.50
HAWAII BELT ROAD SDR 3(17)
August, 1952

SHEET No. 5 OF 8 SHEETS

5607.31



FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEET
HAWAII	HAW.	SDR317	1953	33	9

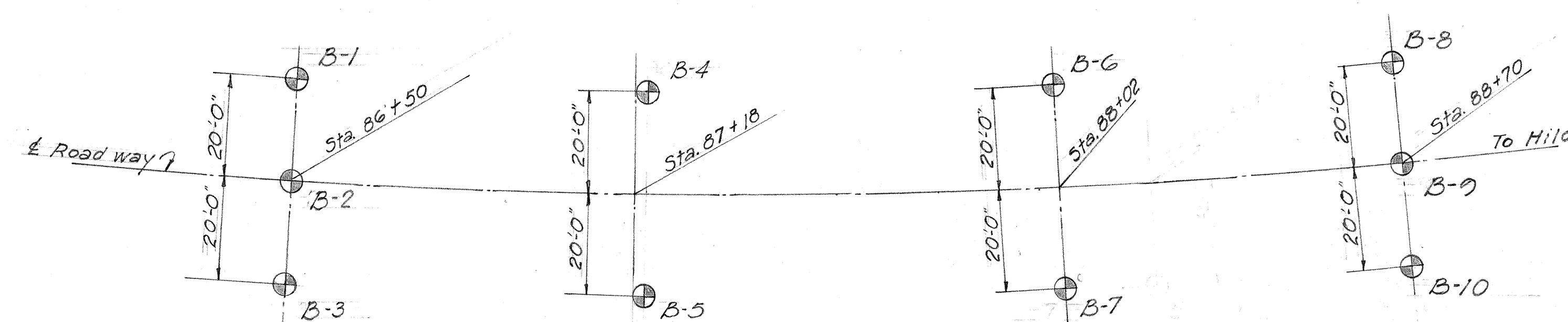


TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
KILAU BRIDGE
Sta. 86+47.50 to Sta. 88+72.00
HAWAII BELT ROAD — SDR 3(17)
August, 1952

5607.33

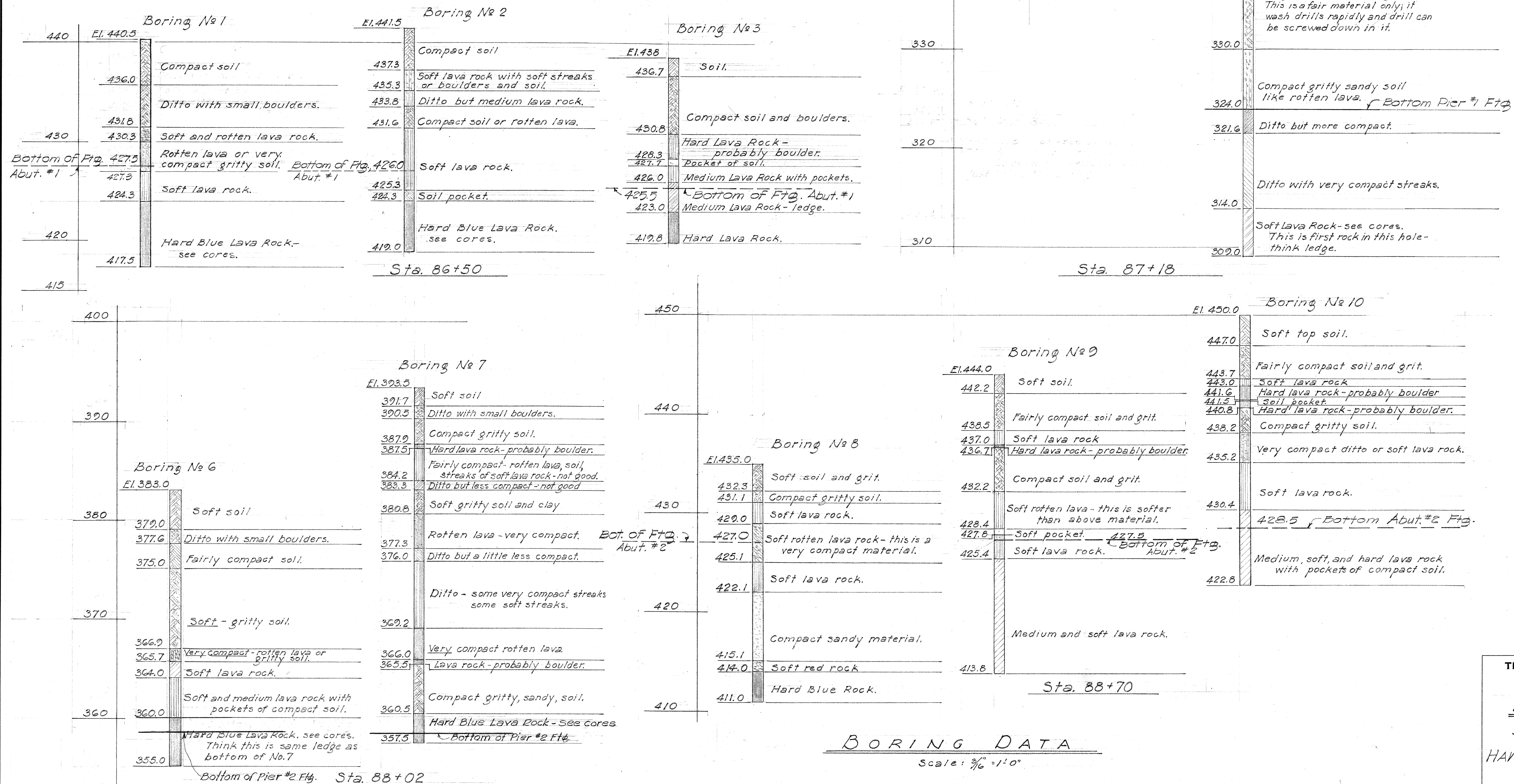
4/30/53

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	SDR3(17)	1953	34	95



BORING PLAN

Scale: 1"=20'-0"



BORING DATA

Scale: 3/16" = 1'-0"

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII

KILAU BRIDGE

Sta. 86+47.50 to Sta. 88+72.50

HAWAII BELT ROAD SDR3(17)

August, 1952

SHEET NO. 8 OF 8 SHEETS

5607.34

DATE: 12/22/52
 DESIGNED BY: R. W. WILSON
 DRAWN BY: R. W. WILSON
 CHECKED BY: R. W. WILSON
 NOTE BOOK NO.: