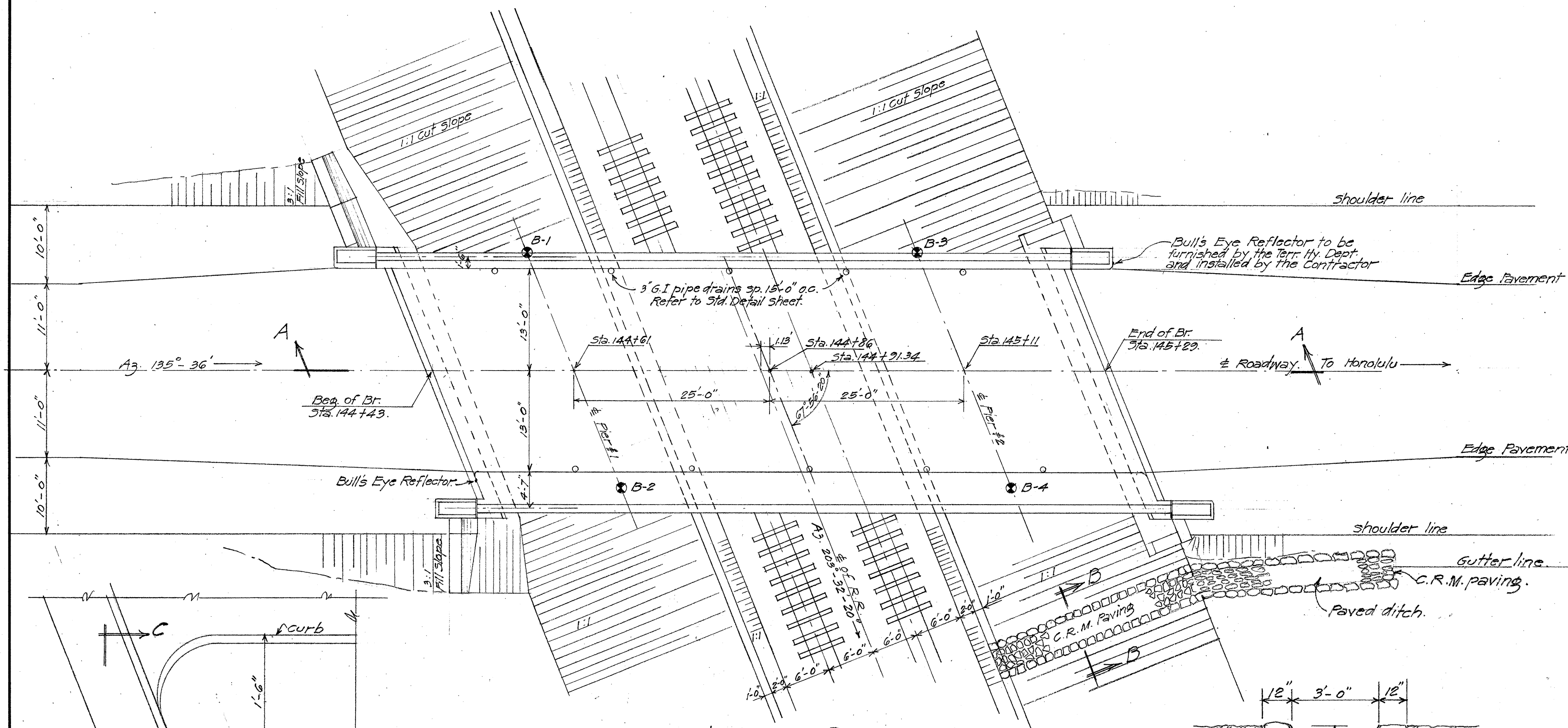
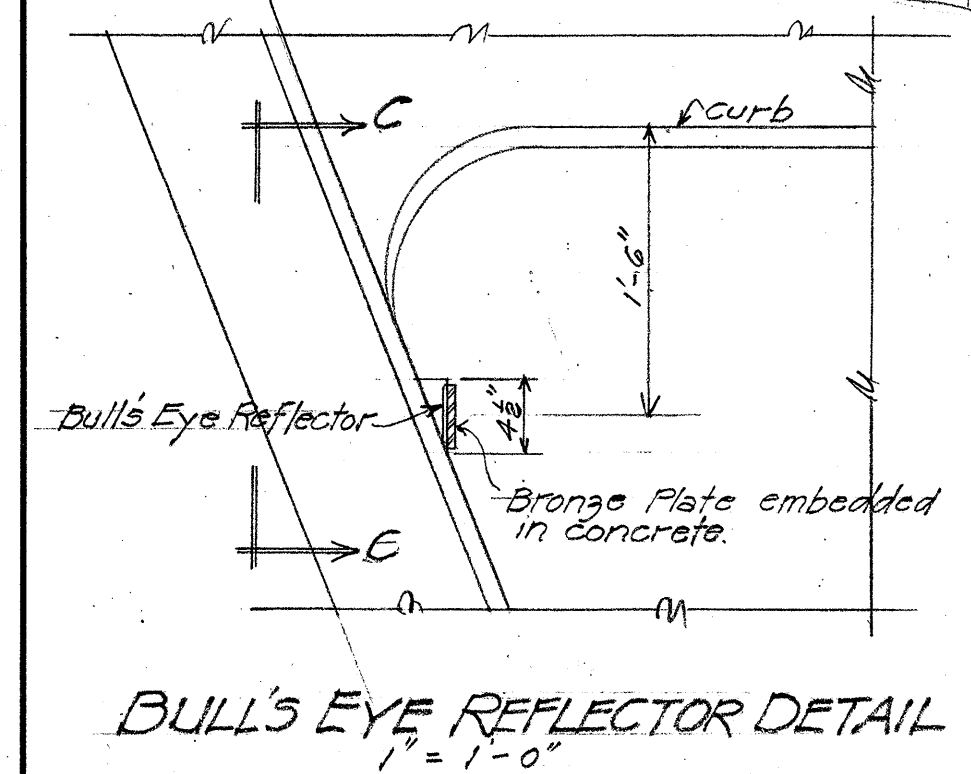
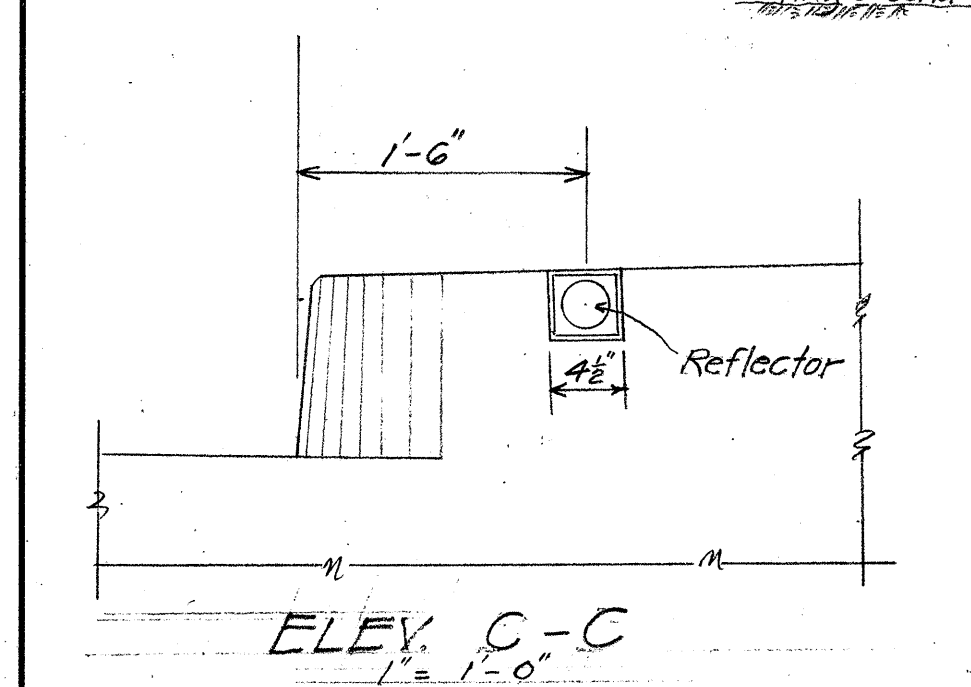




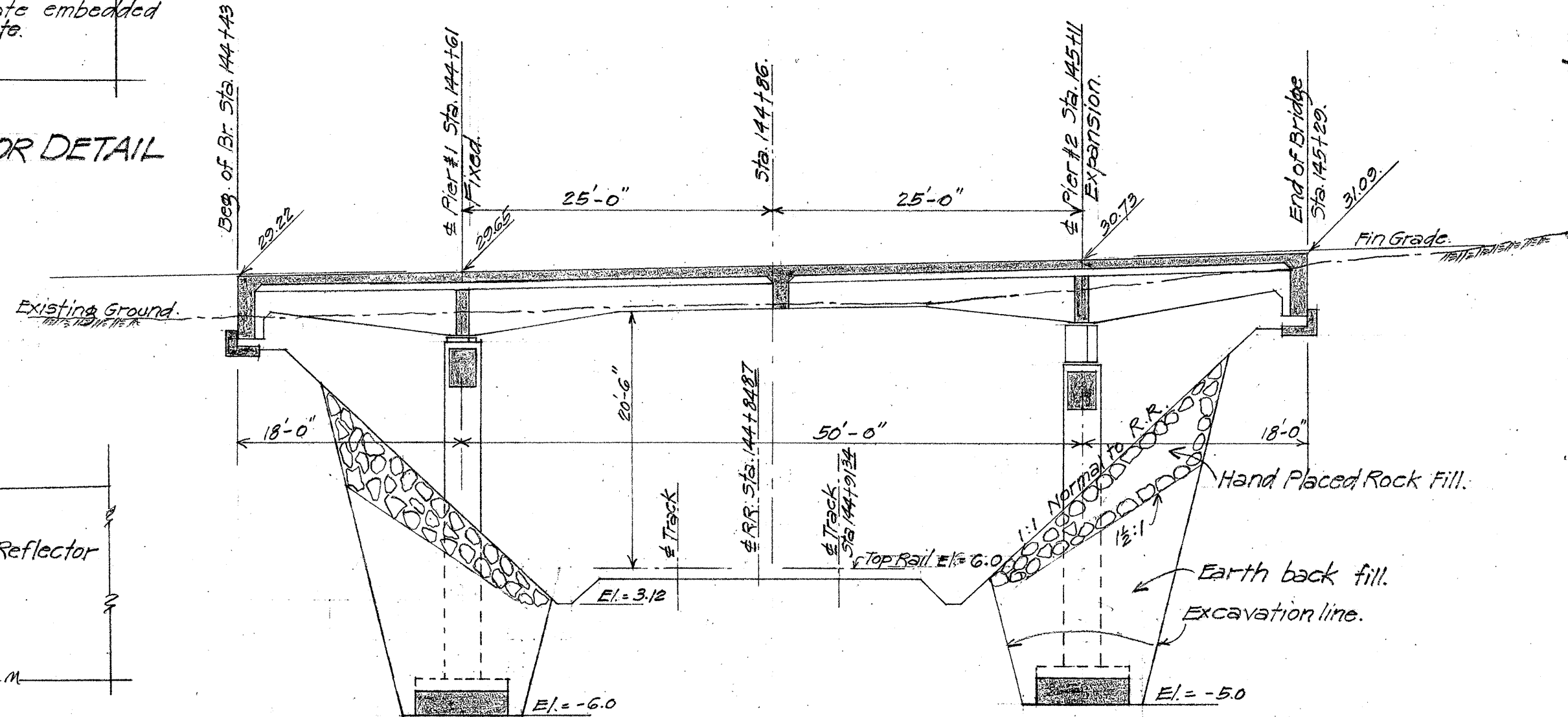
LAYOUT PLAN
1" = 10'-0"



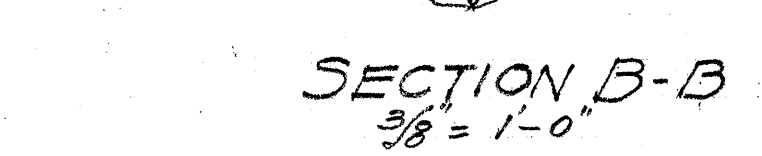
BULL'S EYE REFLECTOR DETAIL
1" = 1'-0"



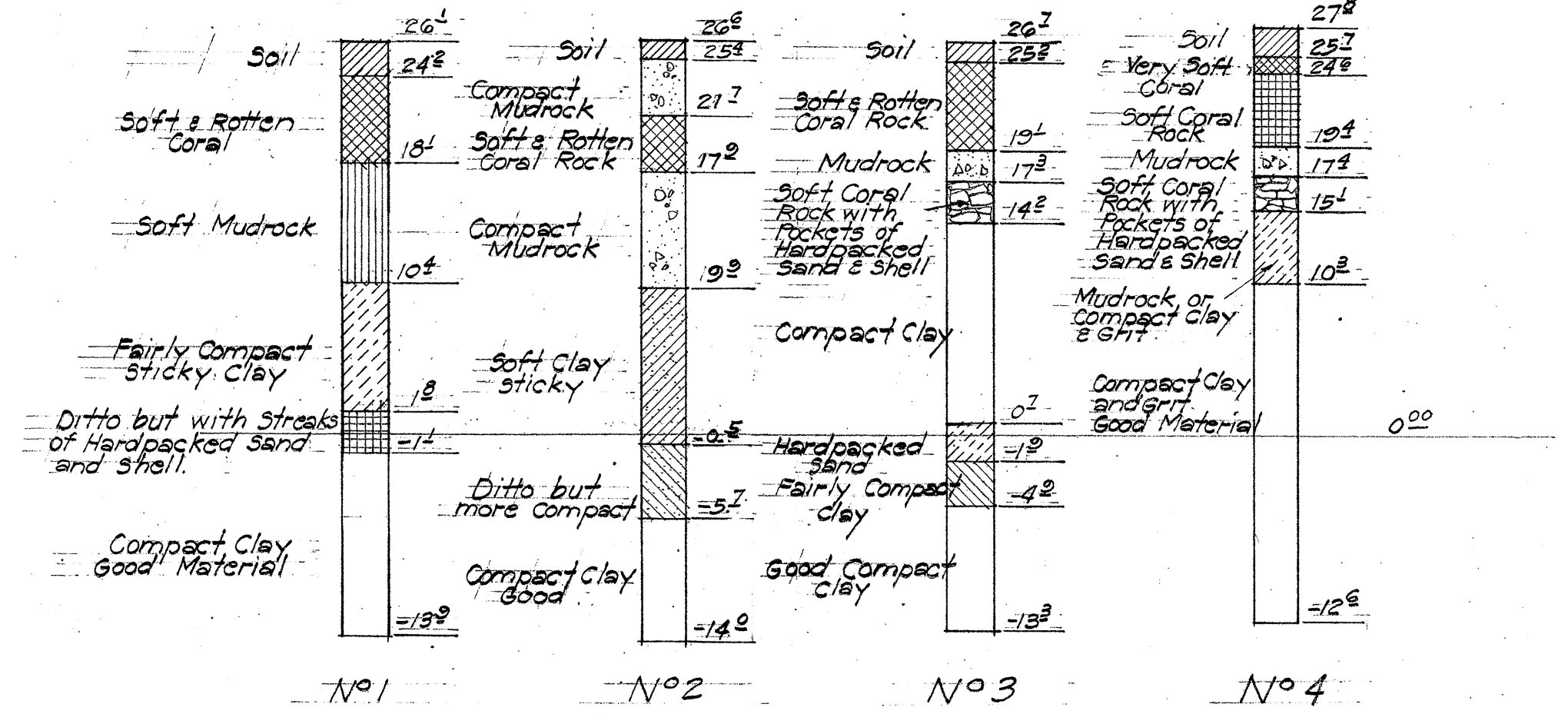
ELEV. C-C
1" = 1'-0"



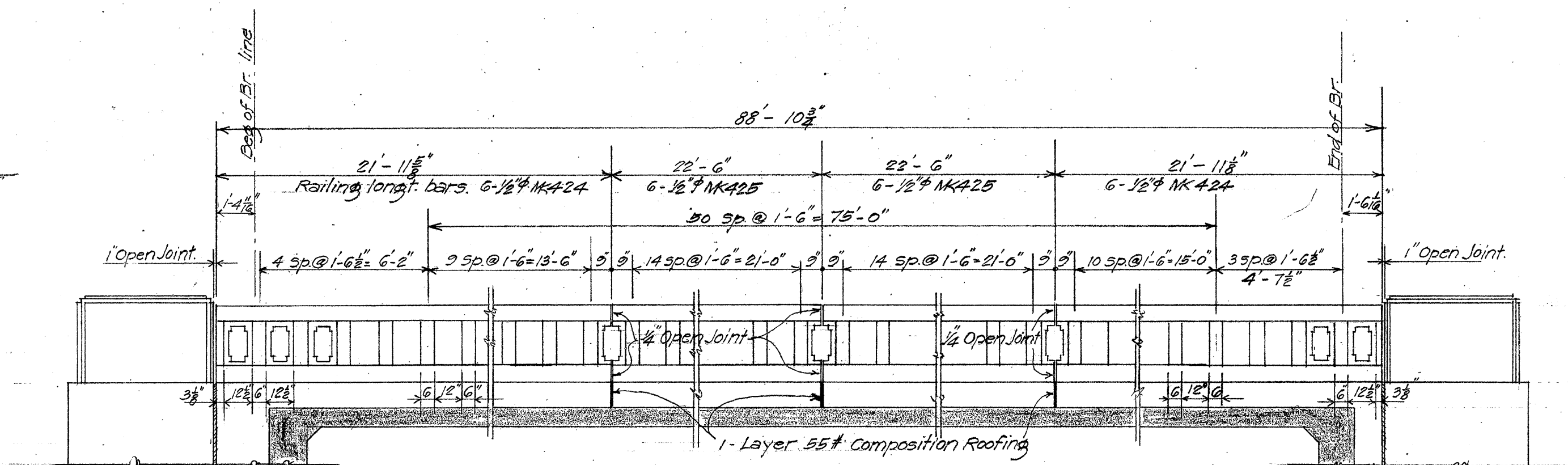
SECTION A-A ALONG & ROAD
1" = 10'-0"



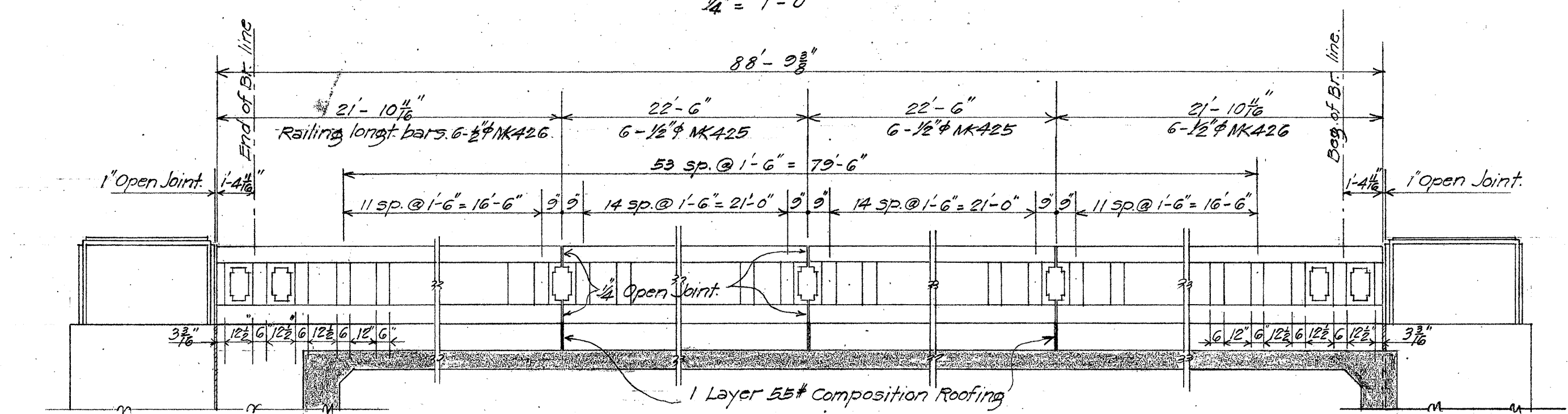
SECTION B-B
3/8" = 1'-0"



BORING DATA



LEFT RAILING SPACING
1/4" = 1'-0"



RIGHT RAILING SPACING
1/4" = 1'-0"

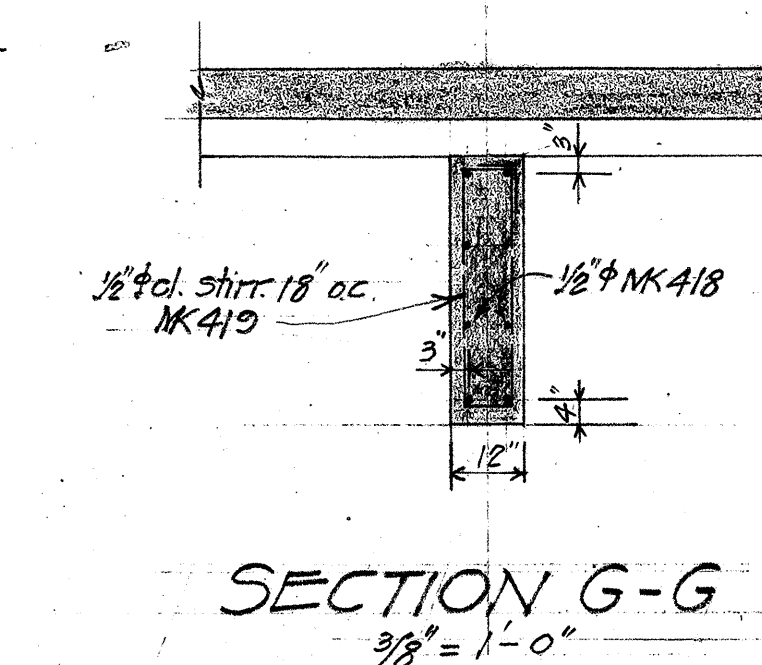
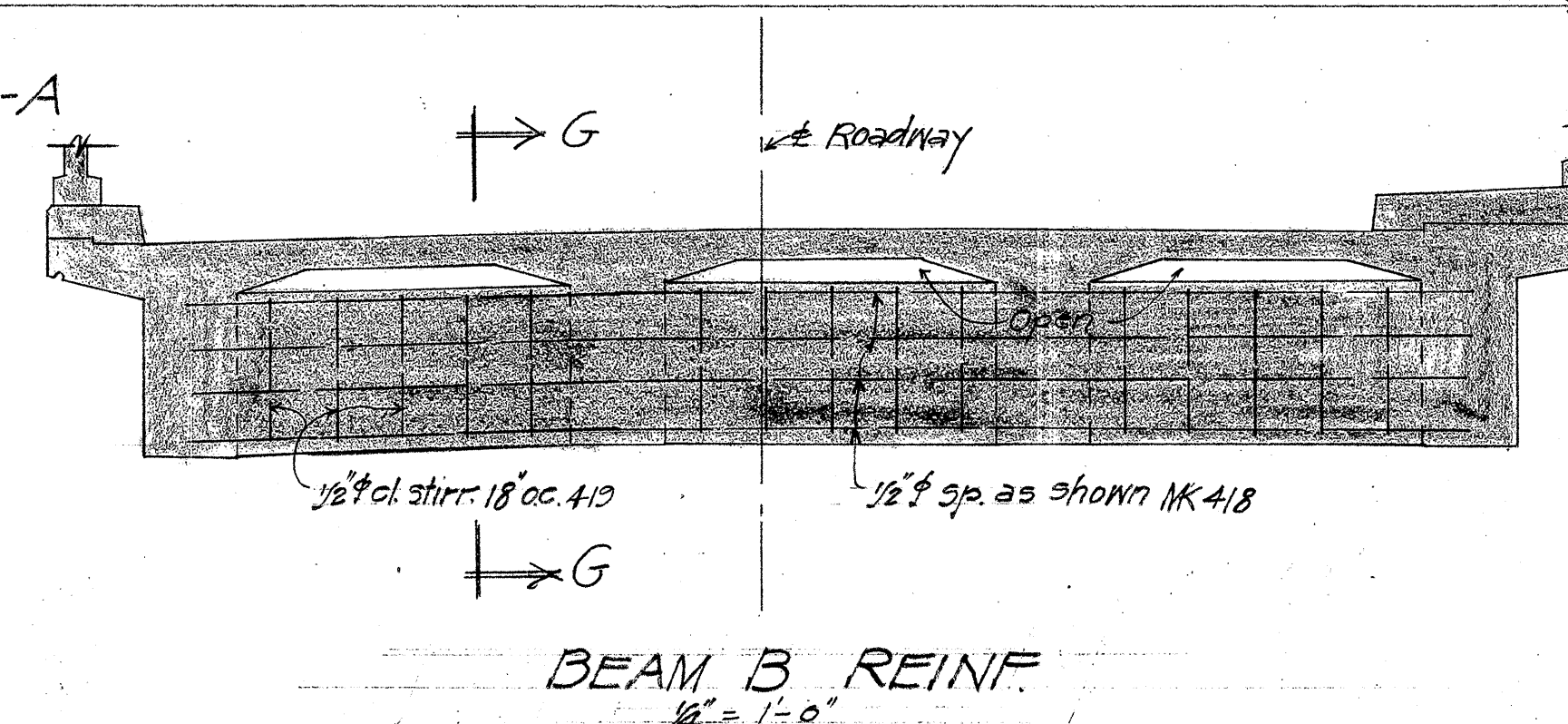
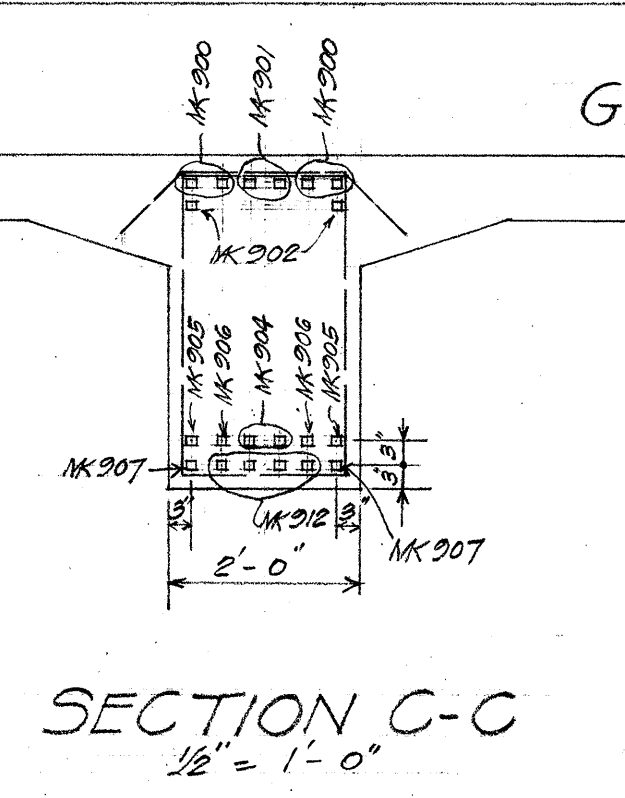
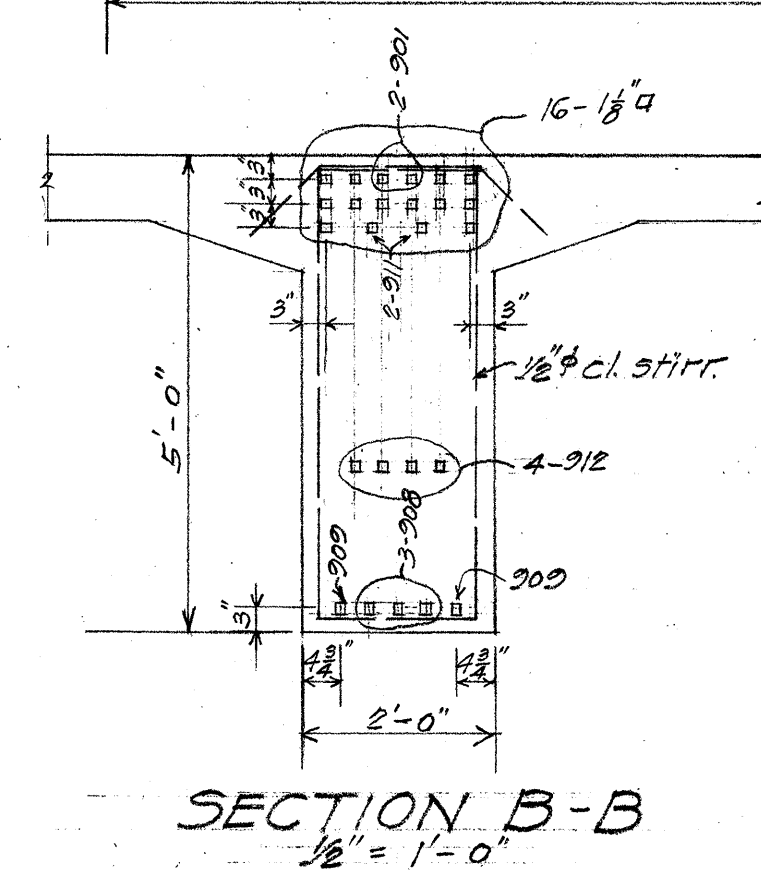
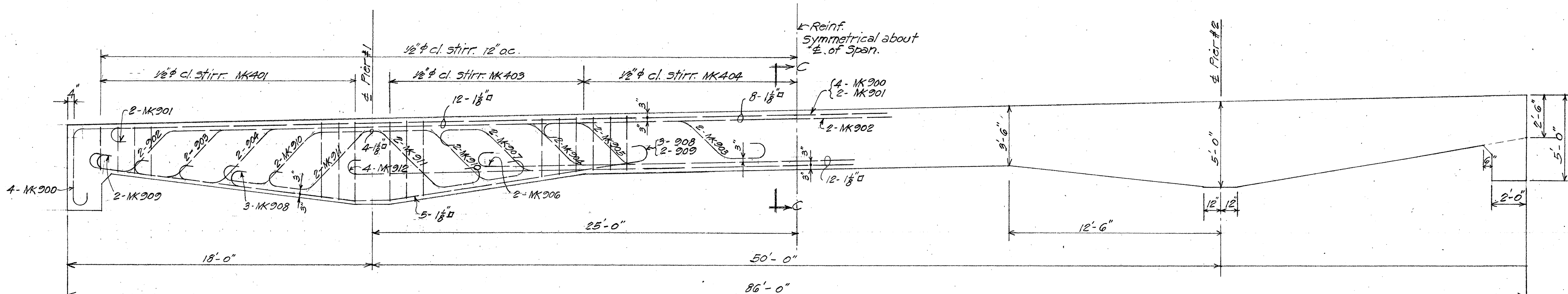
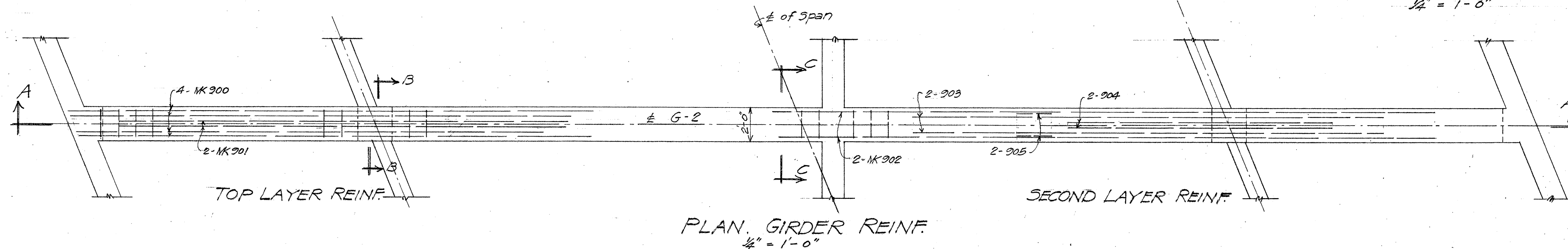
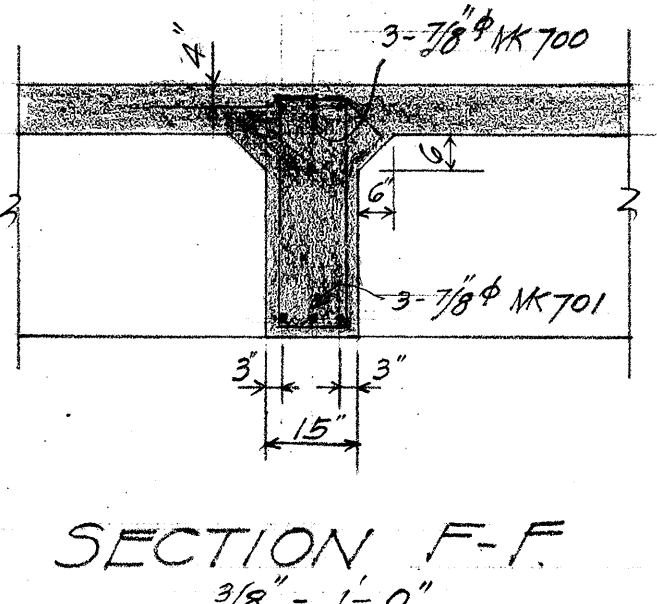
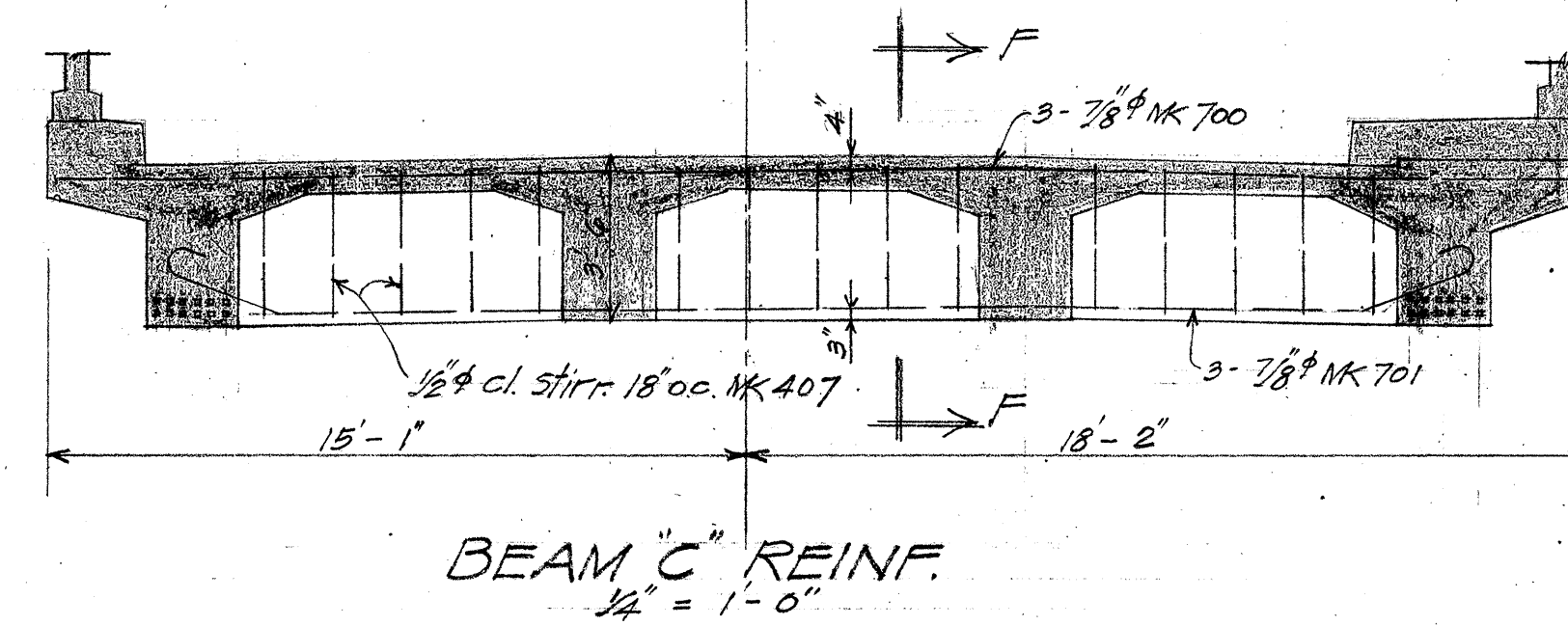
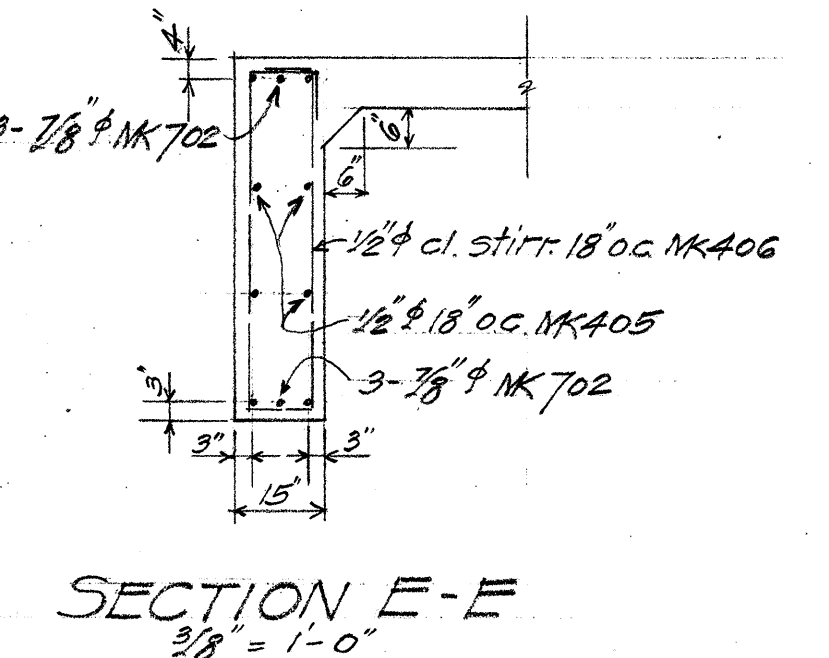
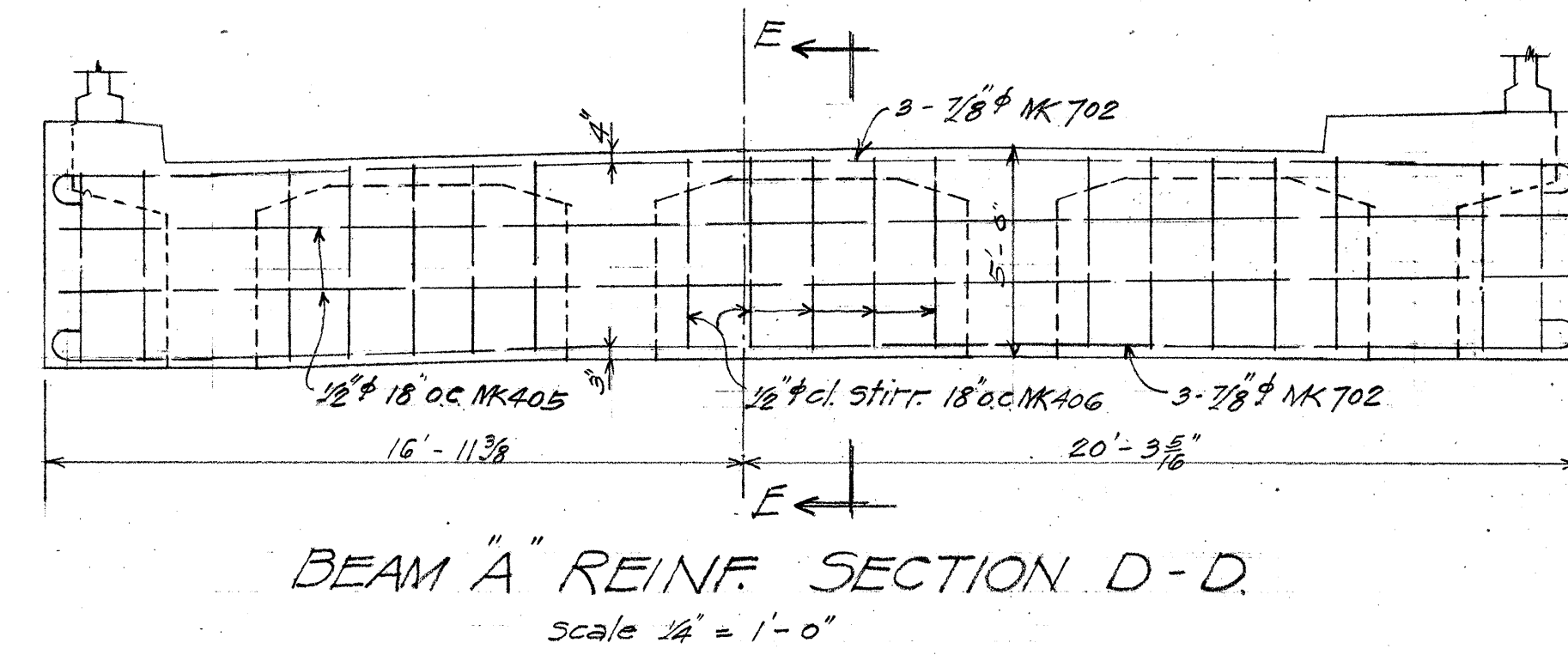
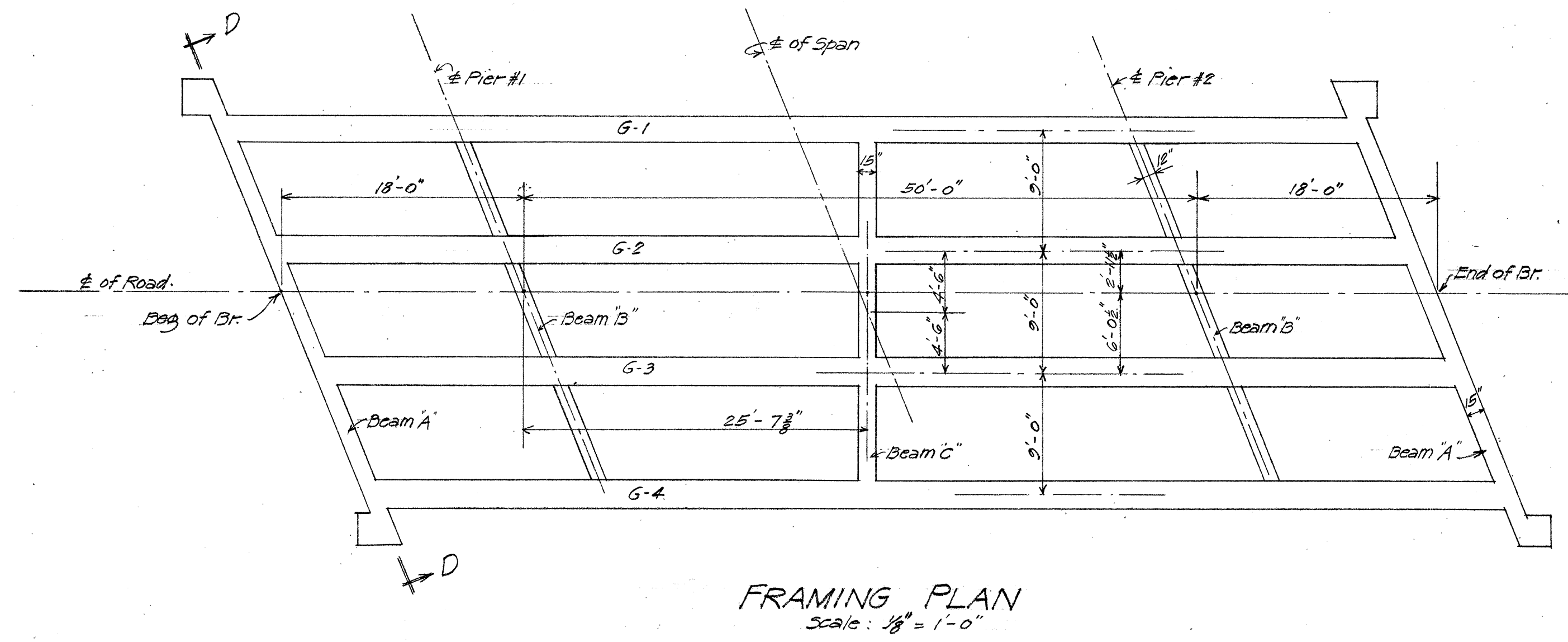
Location	Class A-1 Concrete	Class C-2 Concrete	Reinf. Steel	Str. Exc.	C.R.M. Paving	A.C. Pavement	Hand Placed Rock Fill
Superstructure	214.43 C.Y.		55,803 lbs.			28.0 Tons	
Sill	7.81 C.Y.			55.3 C.Y.			
Pier	79.65 "		11,348 "				325.0 C.Y.
Pier Footing	47.70 "		4,314 "	447.0 C.Y.			
Railing & End Post	14.77 "		2,185 "				
Wingwall & End Post Base		29.0 C.Y.		41.5 C.Y.			
Total	364.36 C.Y.	29.0 C.Y.	73,650 "	543.8 C.Y.	13.0 C.Y.	28.0 Tons	325.0 C.Y.

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
HIGHWAY OVERPASS
Sta. 144+10 - Sta. 145+20
WAIPIO POINT ACCESS RD. DA-NR 15(2)
Jan. 1945
SHEET No. 1 OF 6 SHEETS

DESIGNED BY: R. J. BENTLEY
DRAWN BY: R. J. BENTLEY
CHECKED BY: R. J. BENTLEY
DATE: 1/1/45
ORIGINAL PLAN
NOTE BOOK
No.

Note:
All concrete except in Wingwalls and End Post base to be Class A-1.
Concrete in Wingwalls and End Post base to be Class C-2.
Curb, Sidewalk and Railing to be poured after release of falsework.
Waterproofing of structure required in accordance with Specifications, Pamphlet IV, Section 34.
Column Footings to have integral waterproofing (Tricosal or equal).

Design Data
H-20 Loading
L₁₀ = 1000 lbs per sq ft
L₁₀ = 18000 " " "

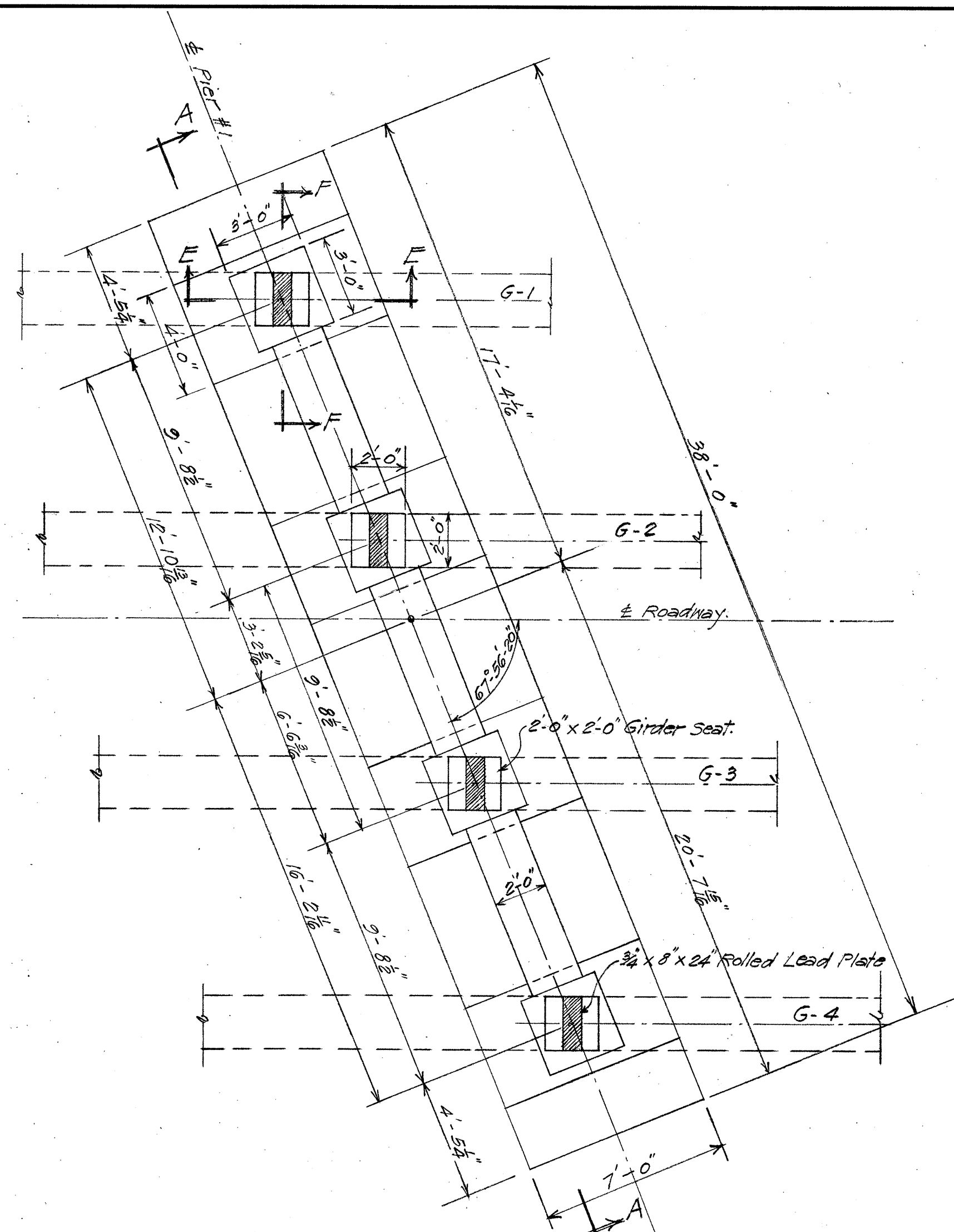


TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
HIGHWAY OVERPASS
Sta 144+43 - Sta 145+23
WAIPIO POINT ACCESS RD DA-NR 15(2)
Jan. 1945
SHEET No 3 OF 6 SHEETS

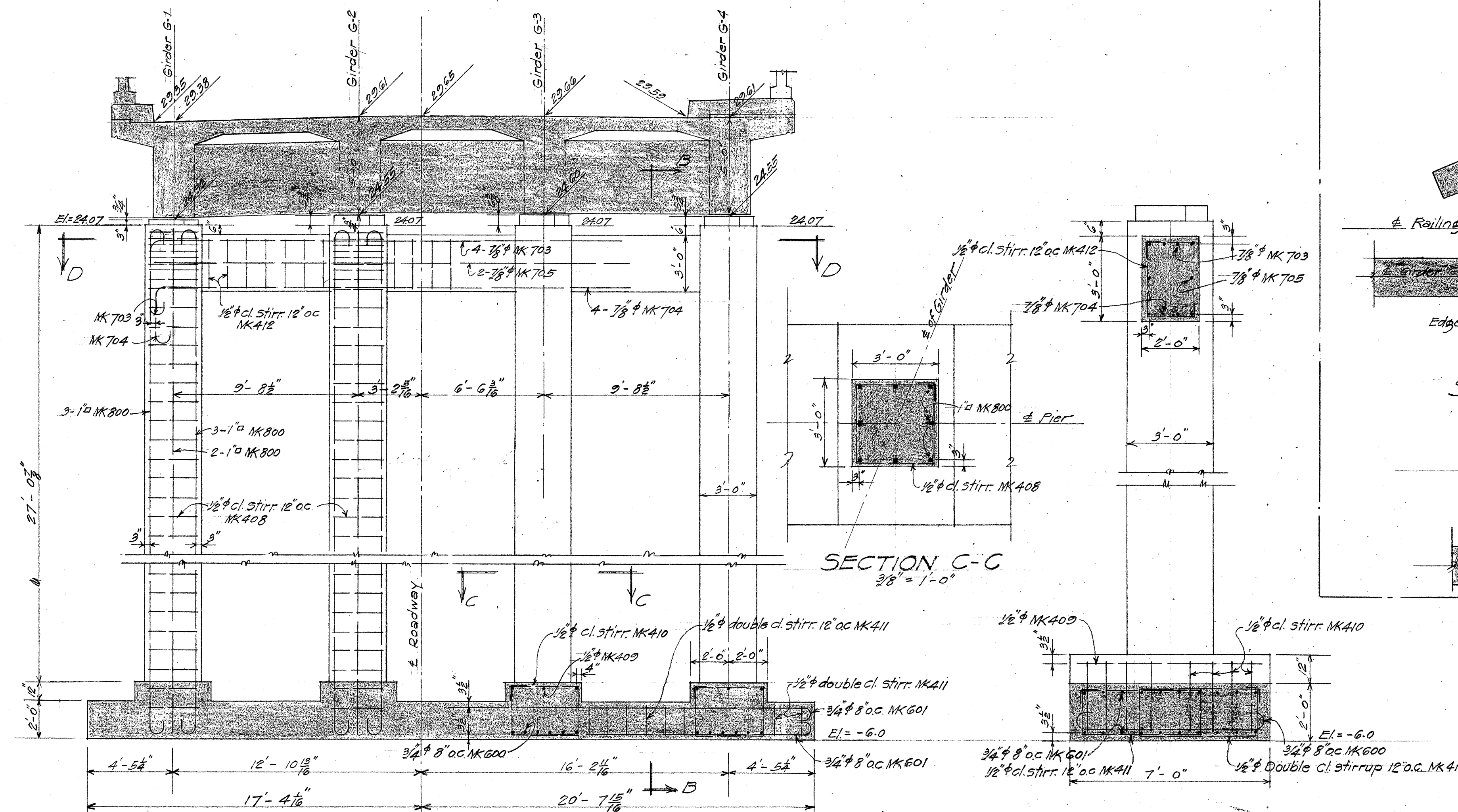
5152.14

DATE: Dec 44
DESIGNED BY: R. B. Smith
DRAWN BY: F. Yamashita
CHECKED BY: W. B. Smith
ORIGINAL PLAN
NOTE BOOK
No.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEET
HAWAII	HAW.	DANR152	1945	17	32

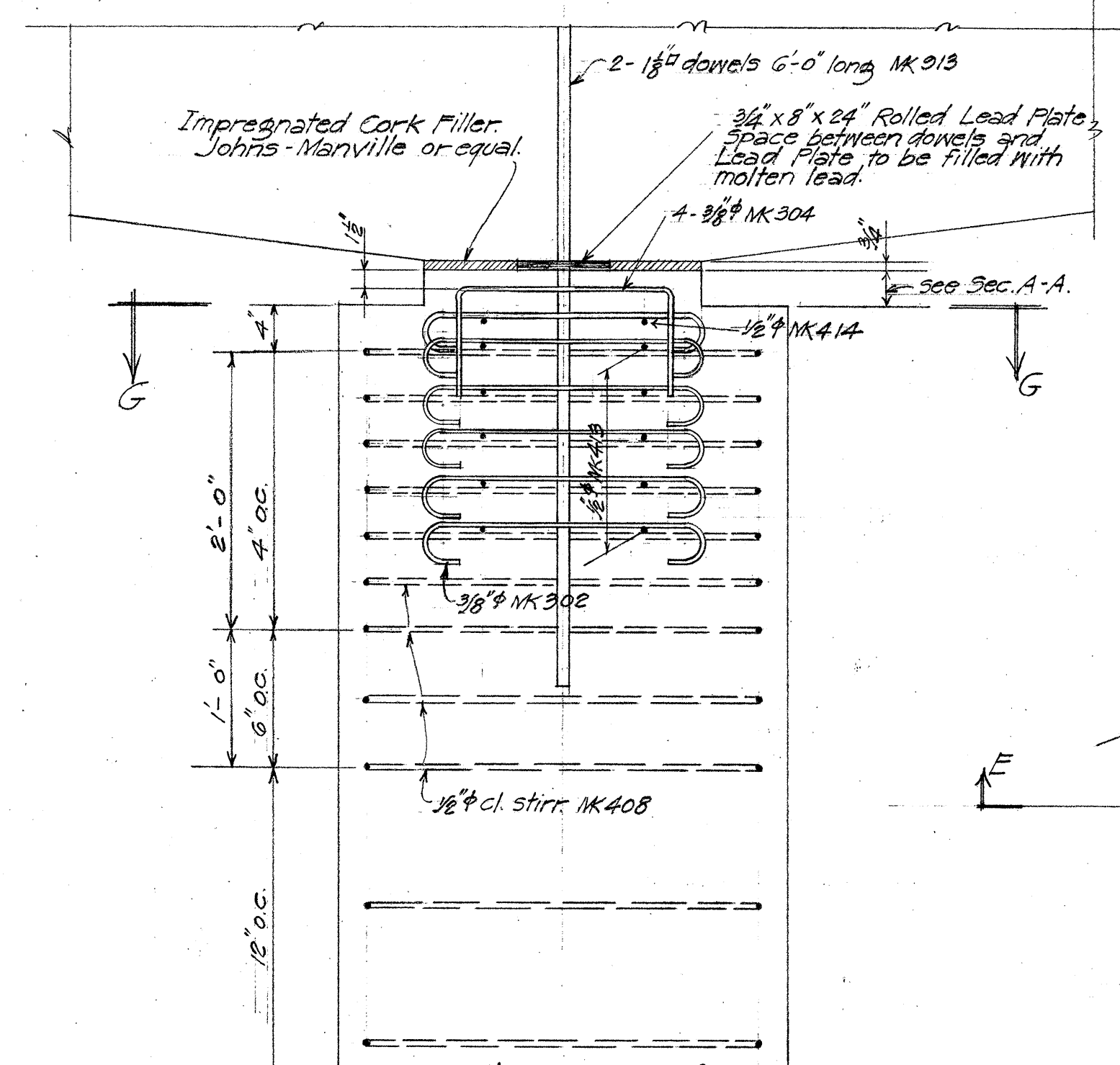


PLAN. PIER NO. 1
1/4" = 1'-0"

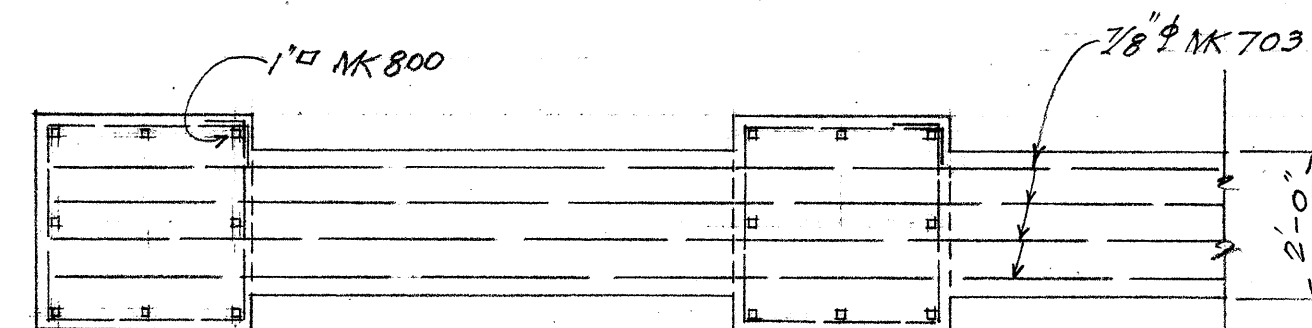


PIER NO.1 SECTION A-A

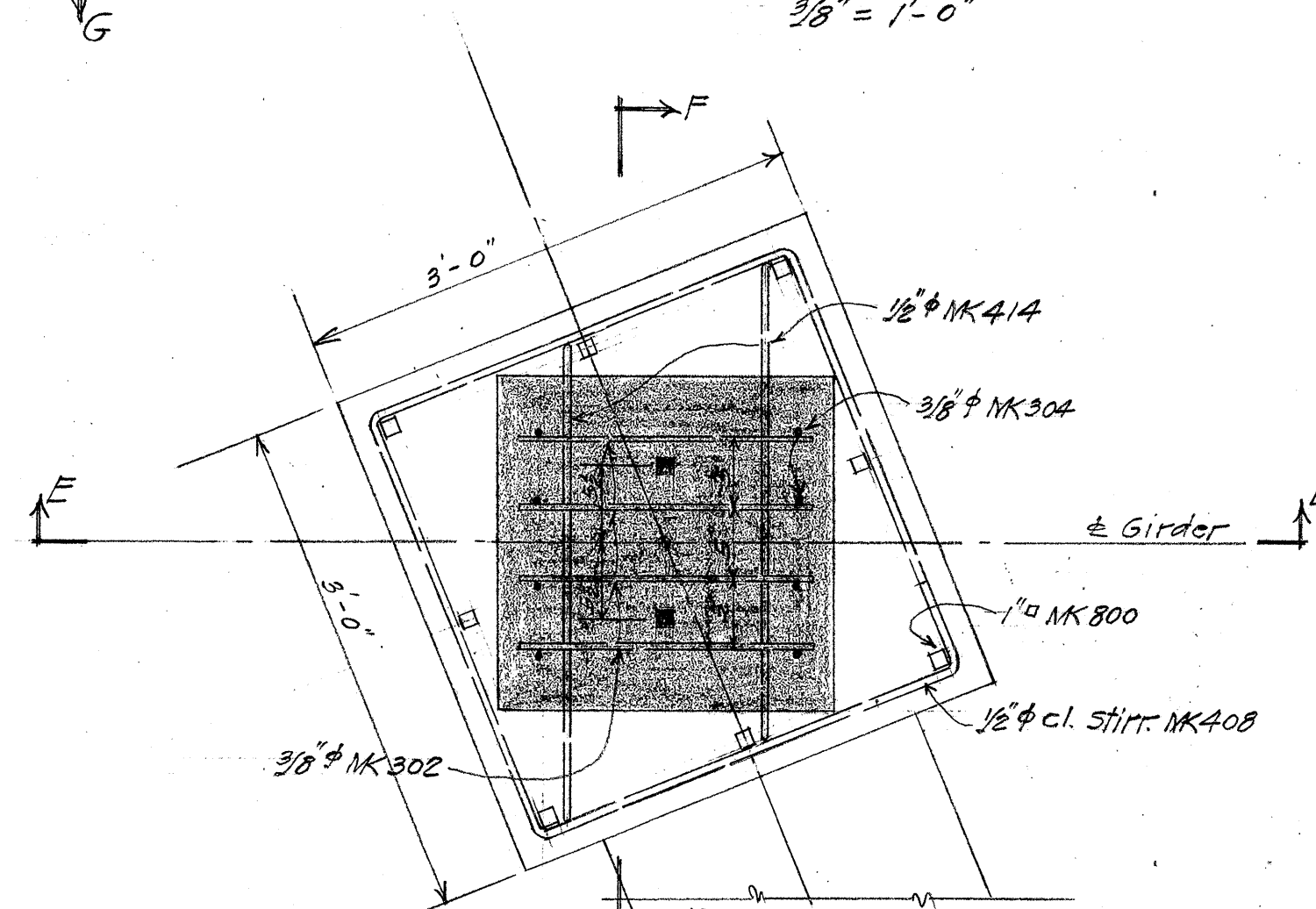
Note! Deck section shown along $\pm$ of Pier



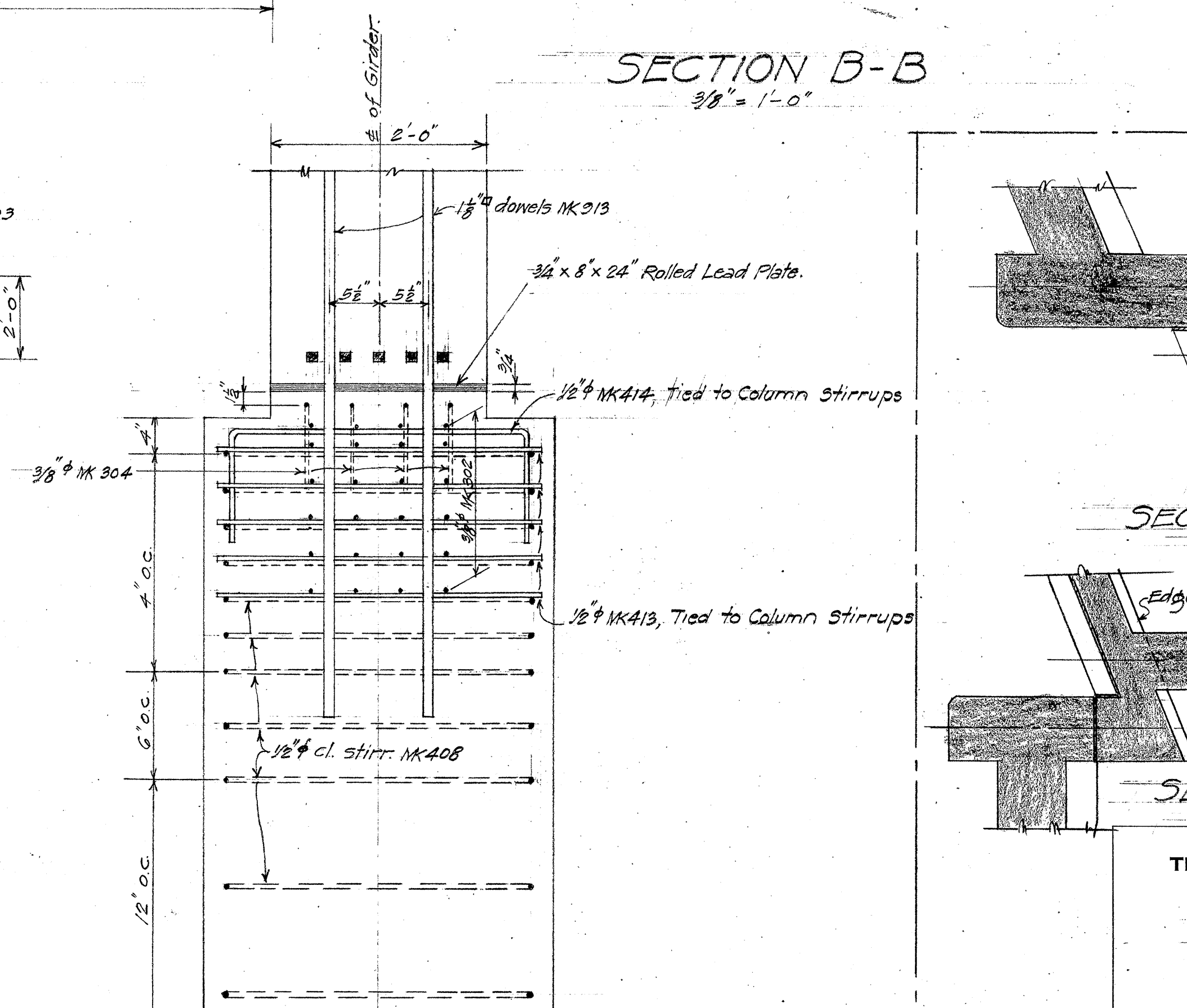
SECTION E-E



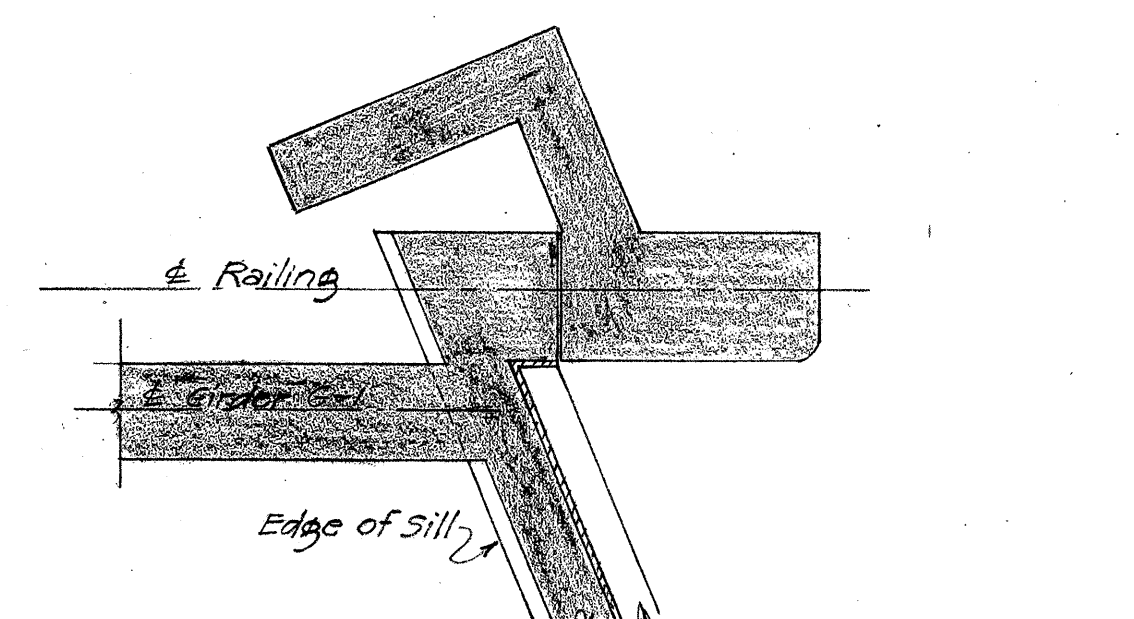
SECTION D-D



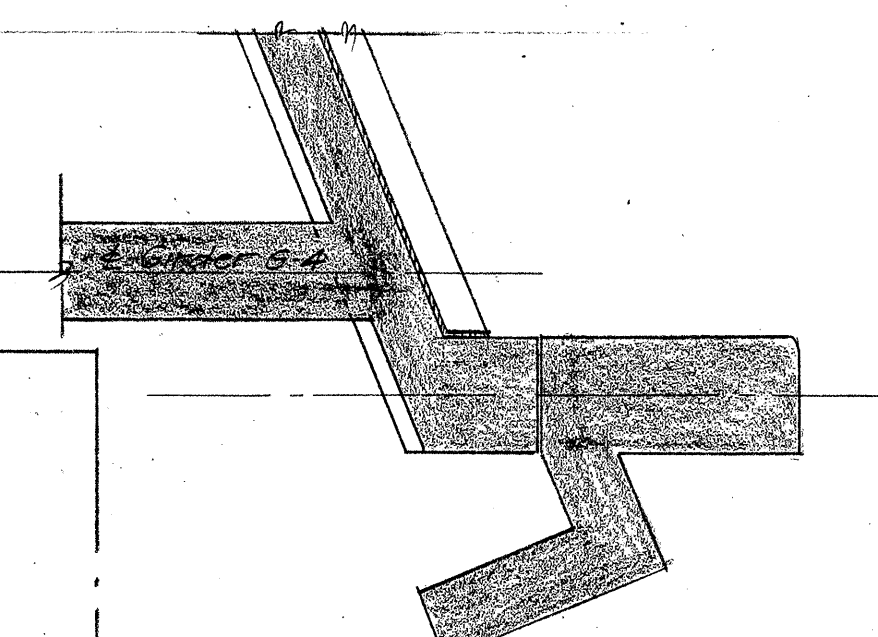
PLAN. SECTION G-G



SECTION F-F

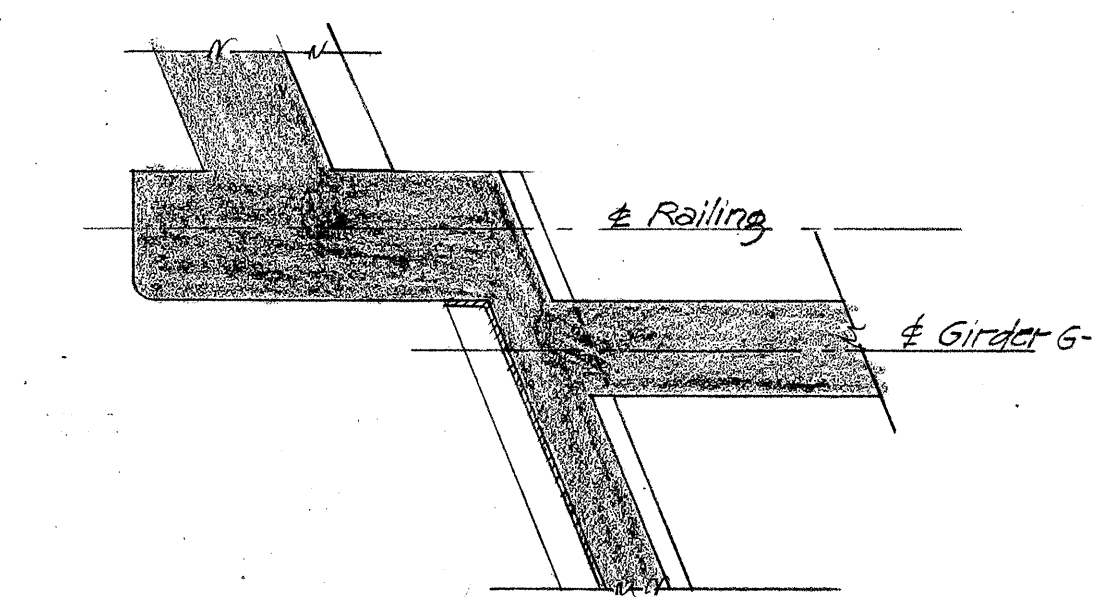


SECTION N
1/4" = 1'-0"

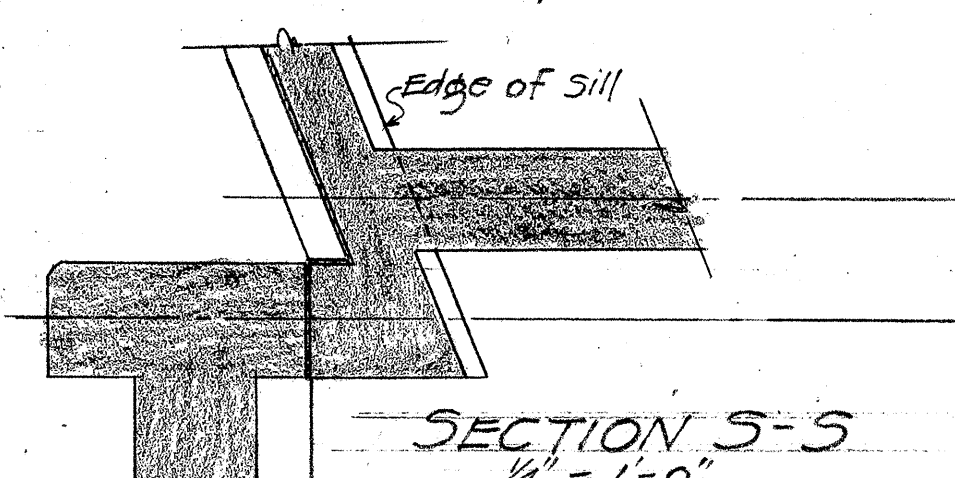


SECTION 0-0

Note! Refer to sheet #6 for location of sections.



SECTION P-F
1/4" = 1'-0"



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

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII

HIGHWAY OVERPASS
Sta 144+43 - Sta 145+29

WAIPIO POINT ACCESS RD

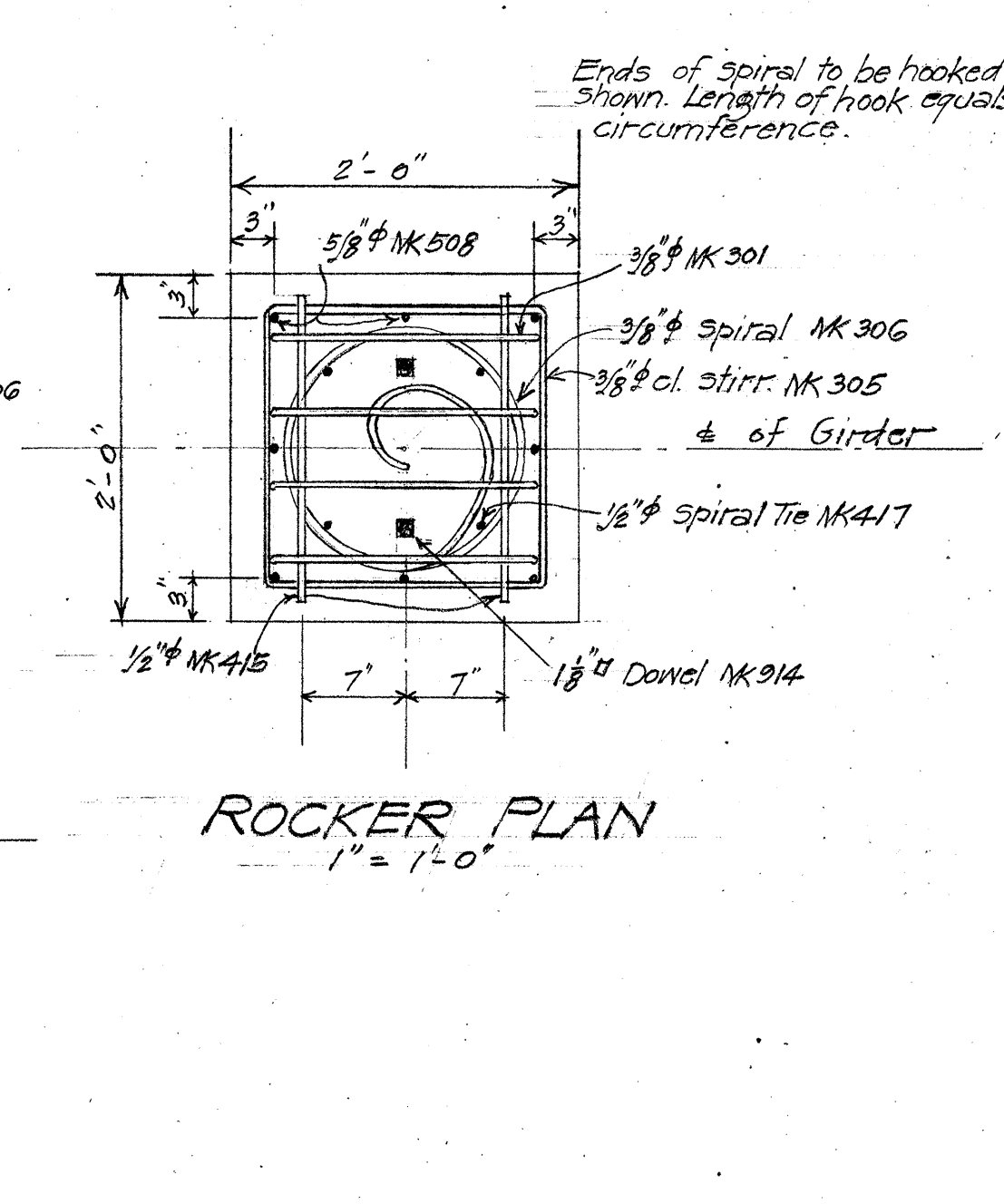
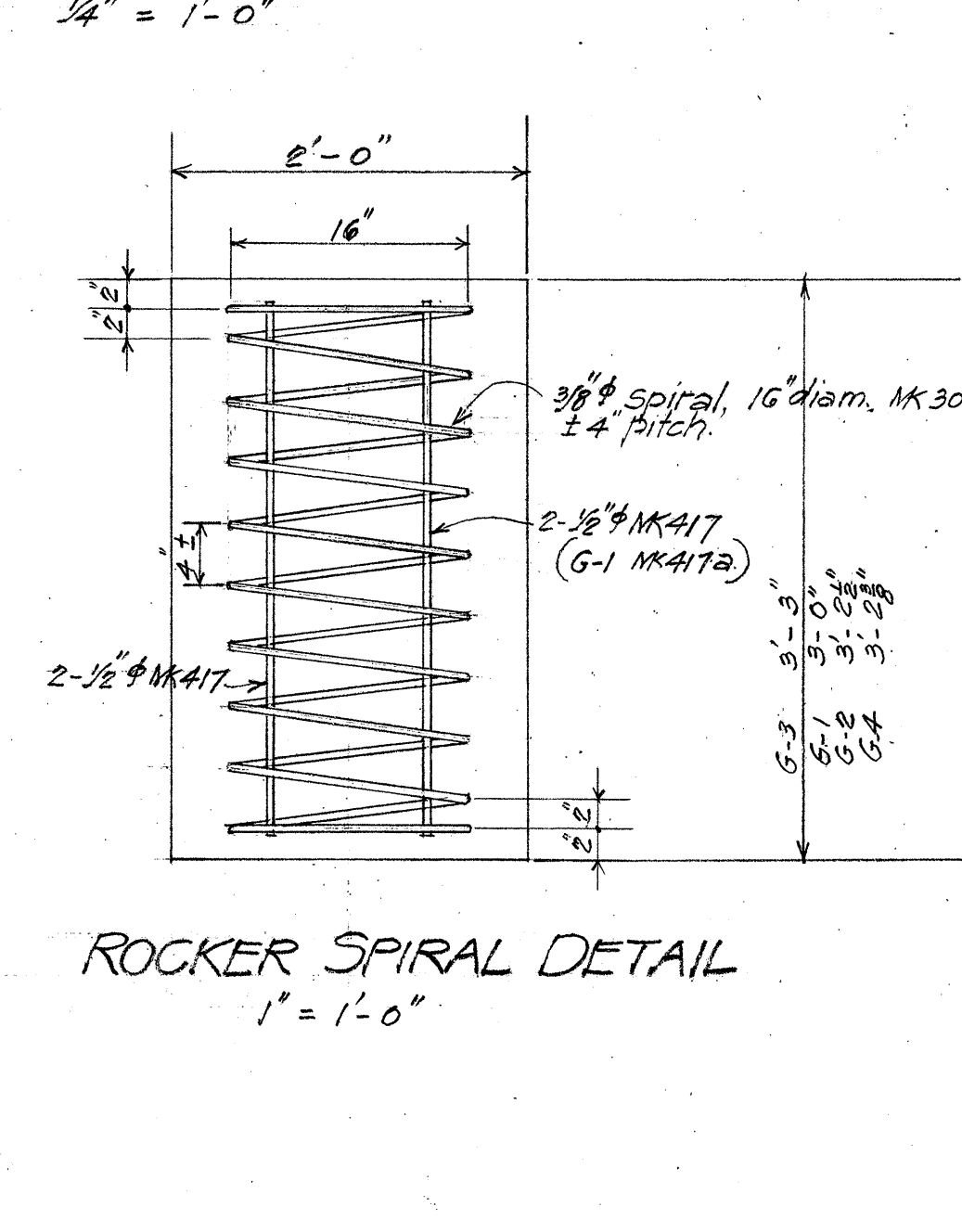
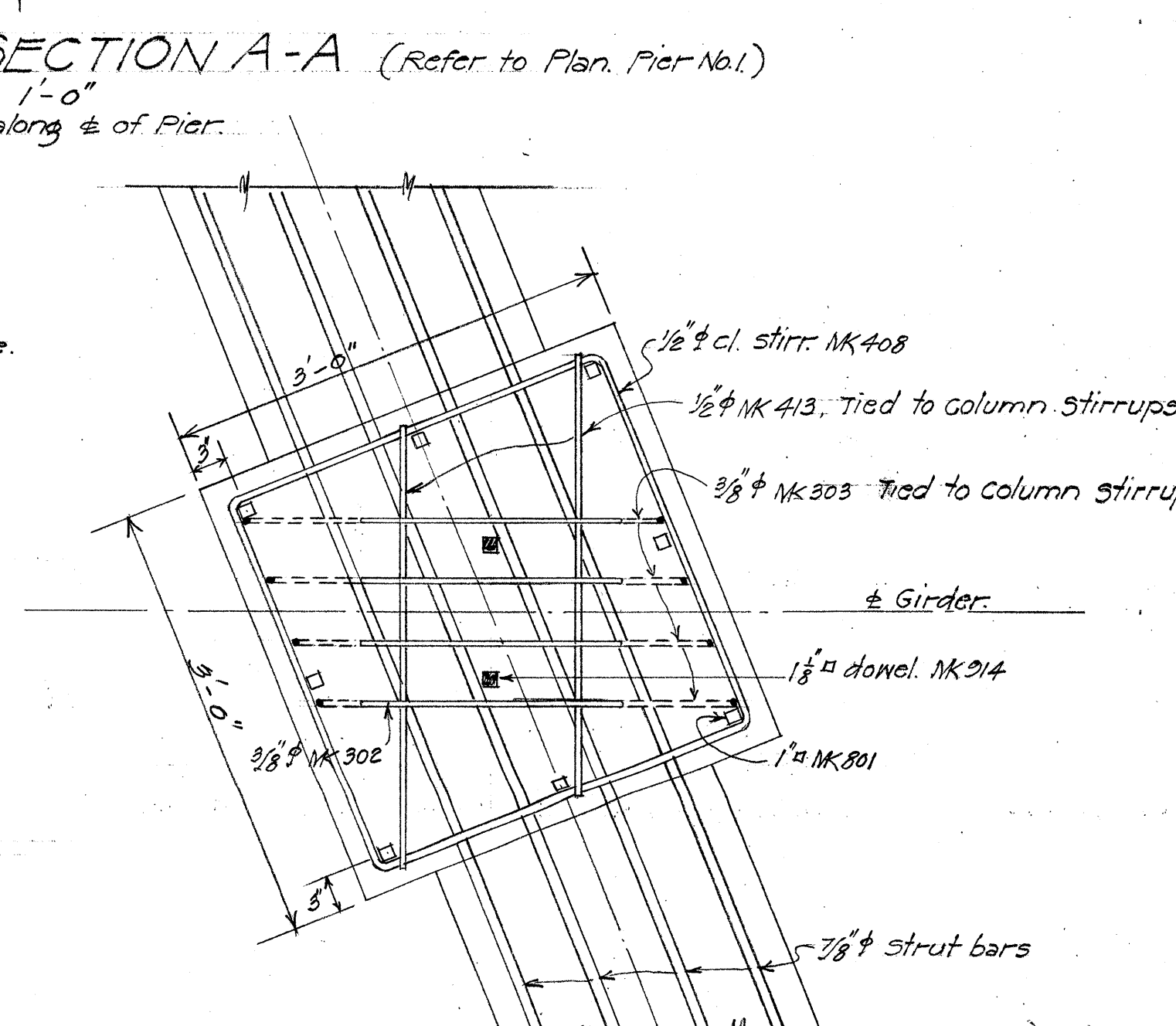
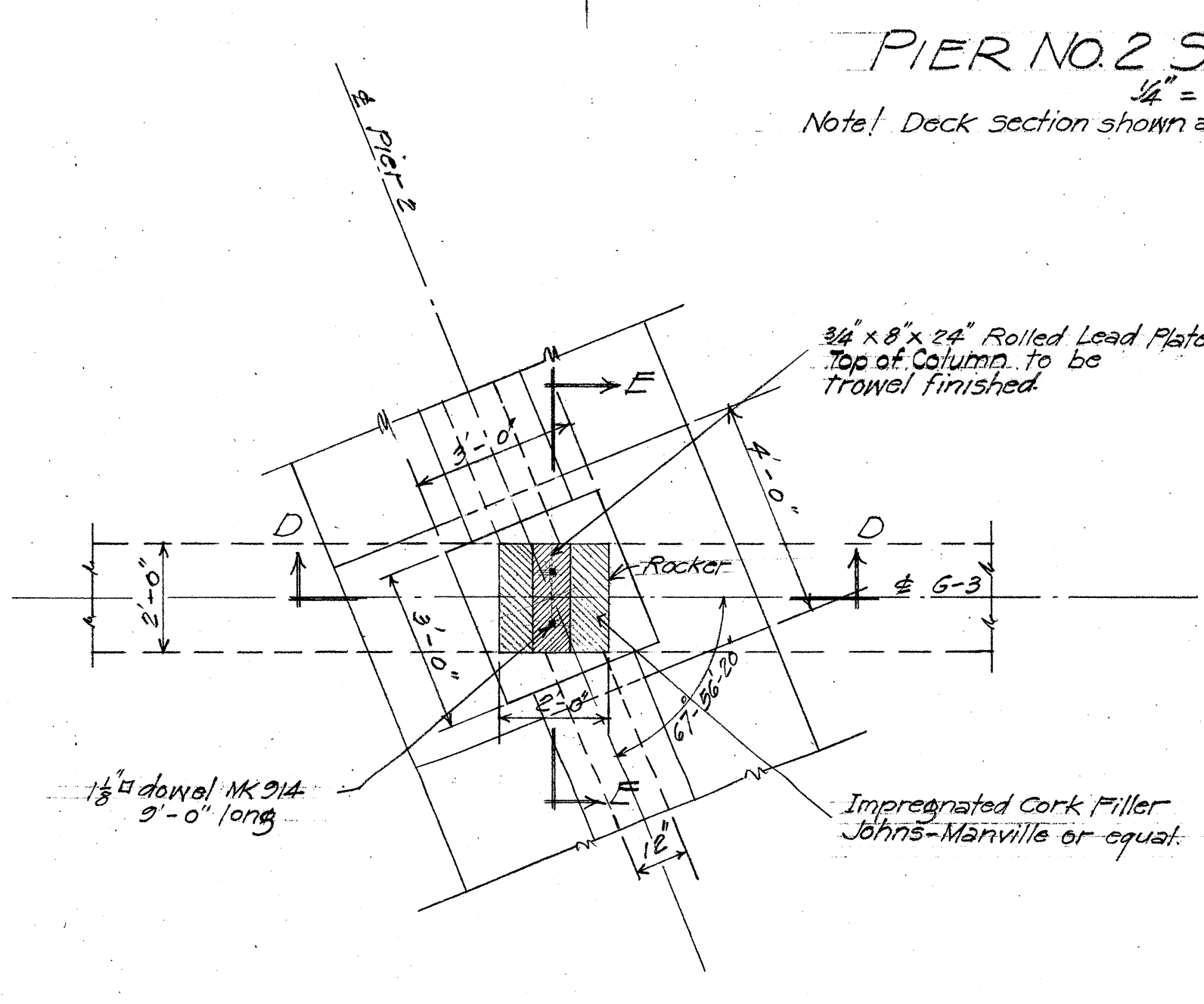
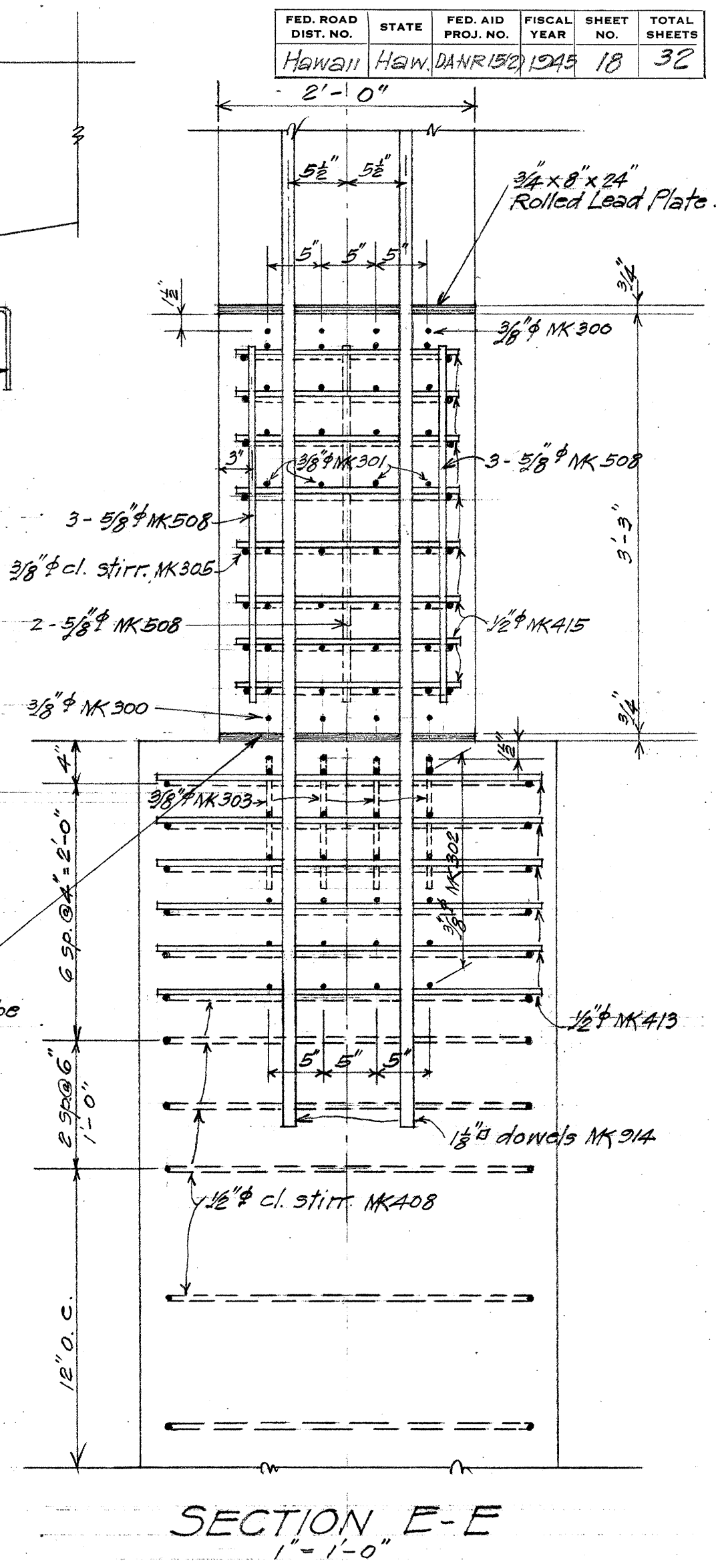
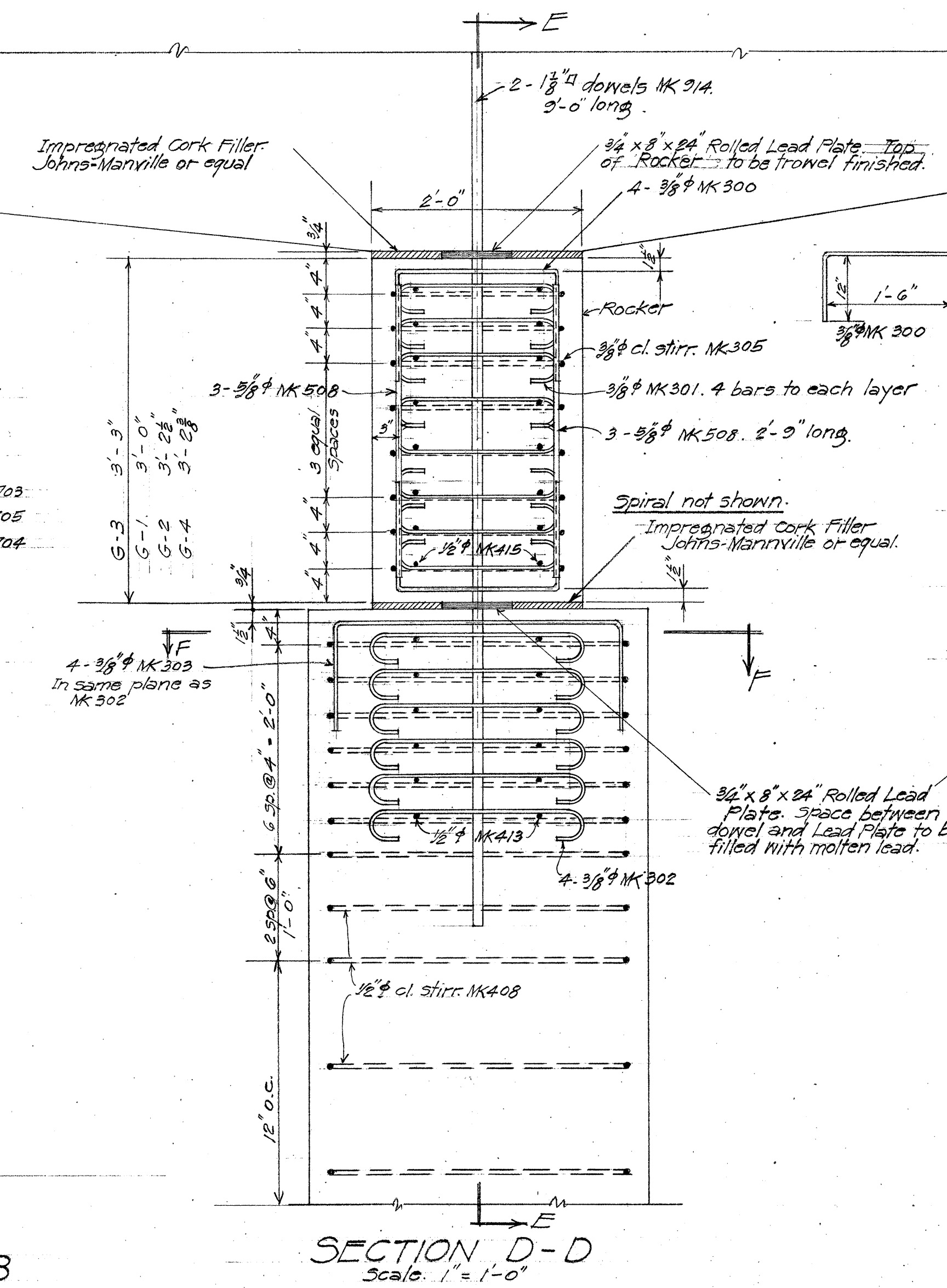
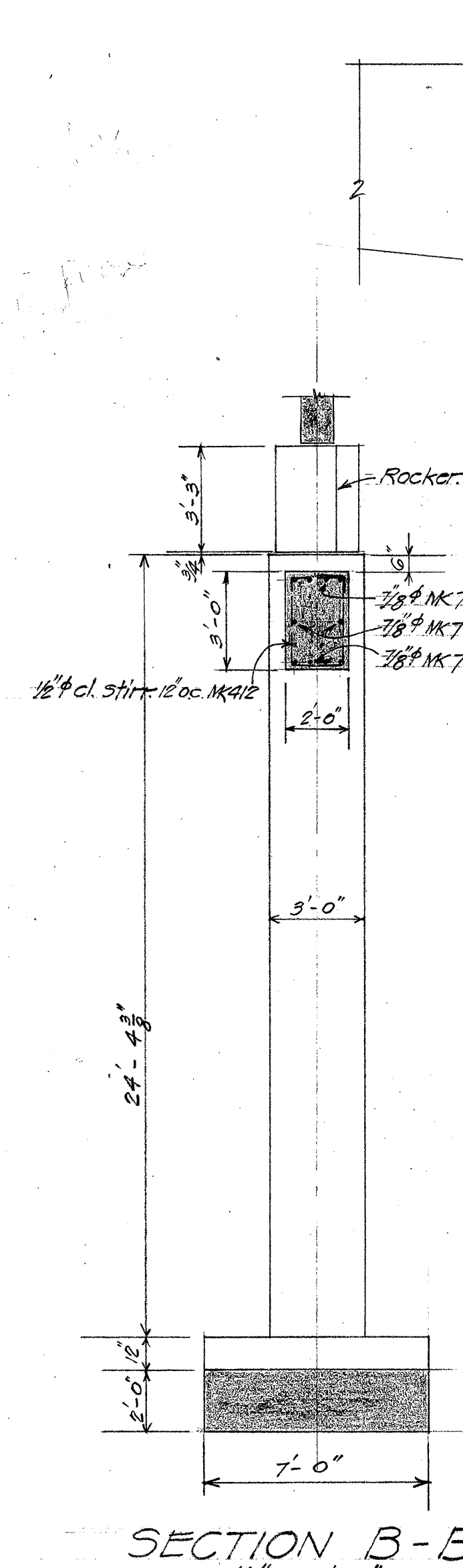
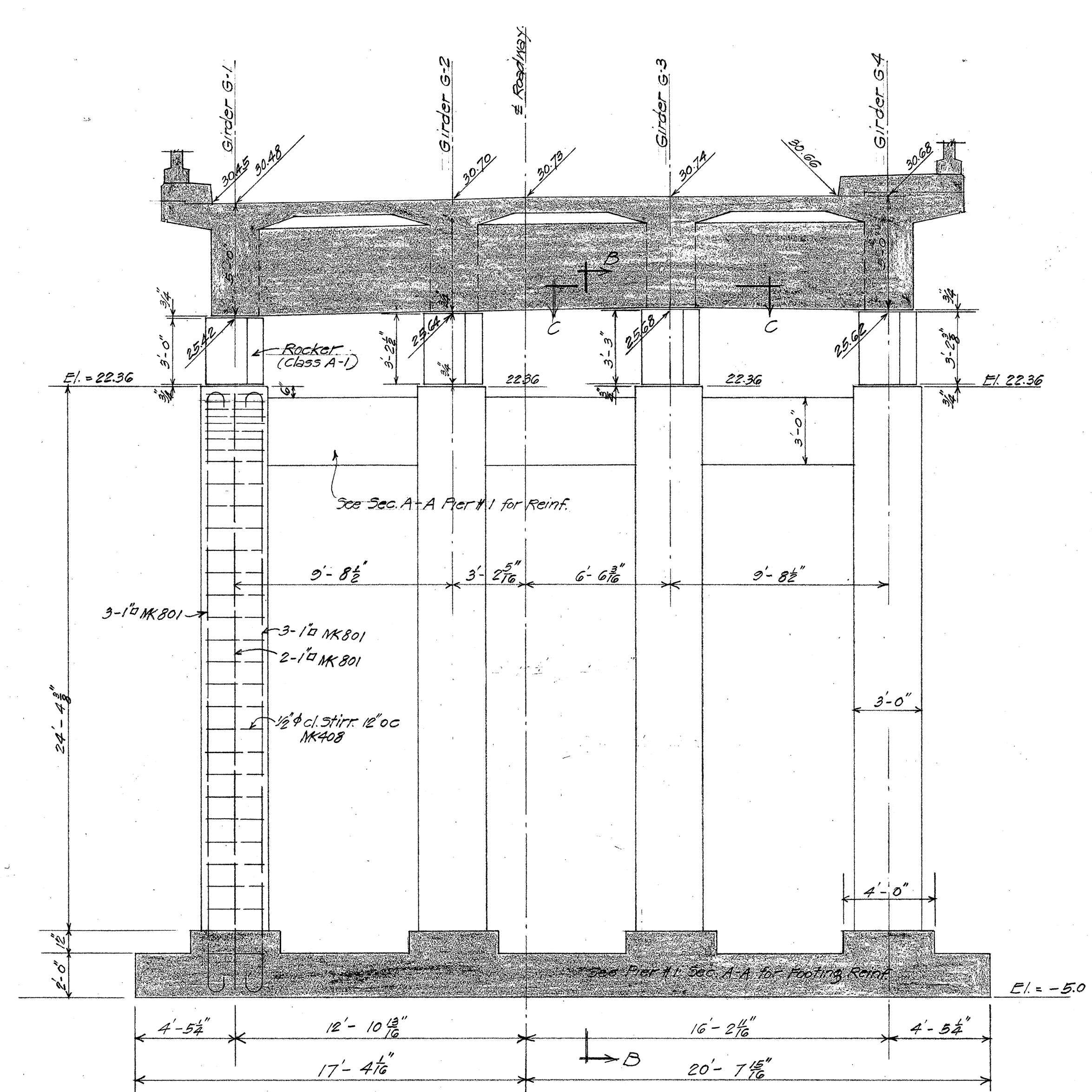
DA-NR 15(2)

Jan. 1945

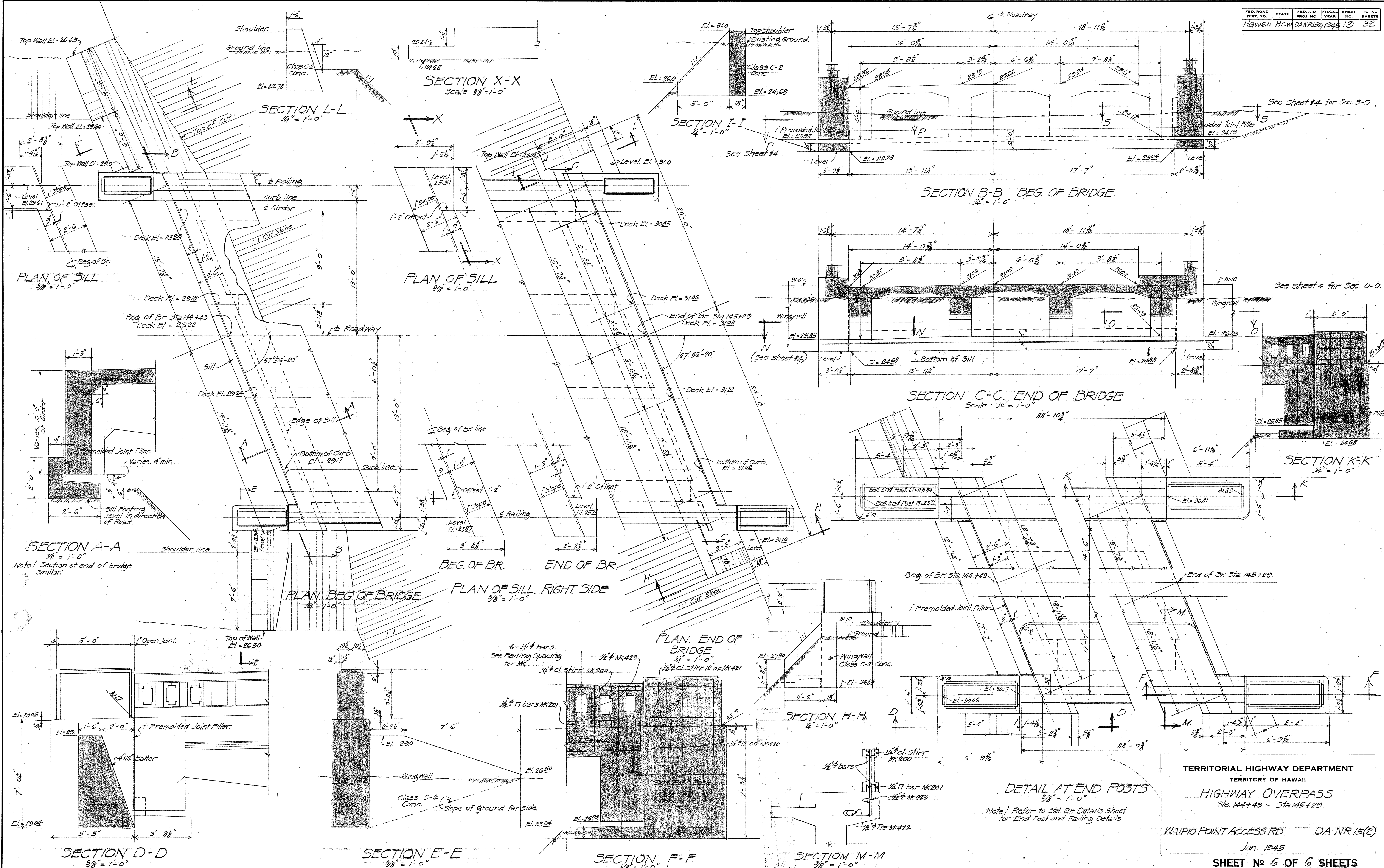
SHEET No 4 OF 6 SHEETS

8152.16

ORIGINAL PLAN	SURVEY PLOTTED BY _____ DATE _____
	DRAWN BY <u>M. R. Saito</u> " " Dec 44
	DESIGNED BY <u>P. Yamashita</u> " " "
	TRACED BY <u>R. Yamashita</u> " " Jan 45
	QUANTITIES BY <u>P. Yamashita</u> " " "
	QUANTITIES CHECKED BY <u>R. Yamashita</u> " " "
	CHECKED BY <u>M. R. B.</u> " " "



TERRITORIAL HIGHWAY DEPARTMENT
 TERRITORY OF HAWAII
 HIGHWAY OVERPASS
 Sta 144+43 - Sta 145+29.
 WAIPIO POINT ACCESS RD DA-NR-15(2)
 Jan. 1945
 SHEET No 5 OF 6 SHEETS

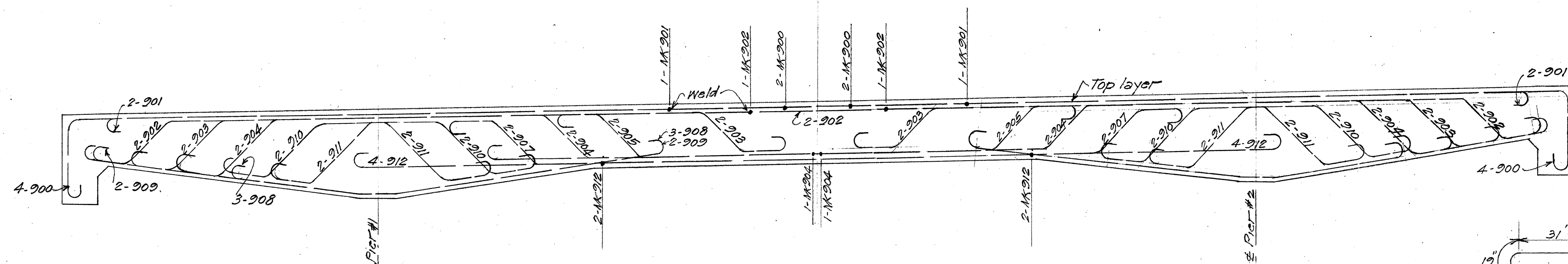


DATE: Dec 44
DESIGNED BY: H. S. B. B. B.
DRAWN BY: P. V. B. B. B.
CHECKED BY: J. B. B. B. B.
NOTE BOOK: J. B. B. B. B.
QUANTITIES CHECKED BY: J. B. B. B. B.

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
HIGHWAY OVERPASS
Sta 144+43 - Sta 145+29
WAIPIO POINT ACCESS RD. DA-NR 15(2)
Jan. 1945
SHEET No 6 OF 6 SHEETS

3152.18

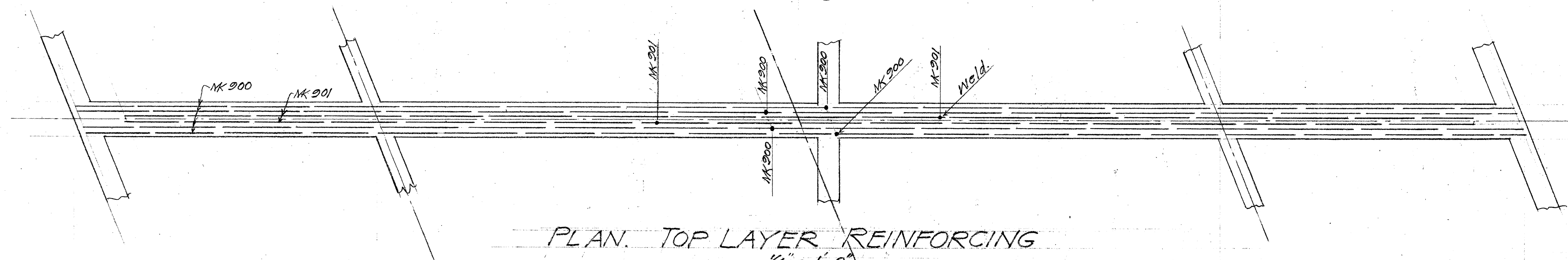
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS



SPLICE LOCATIONS FOR 1 1/8" GIRDER REINFORCING.

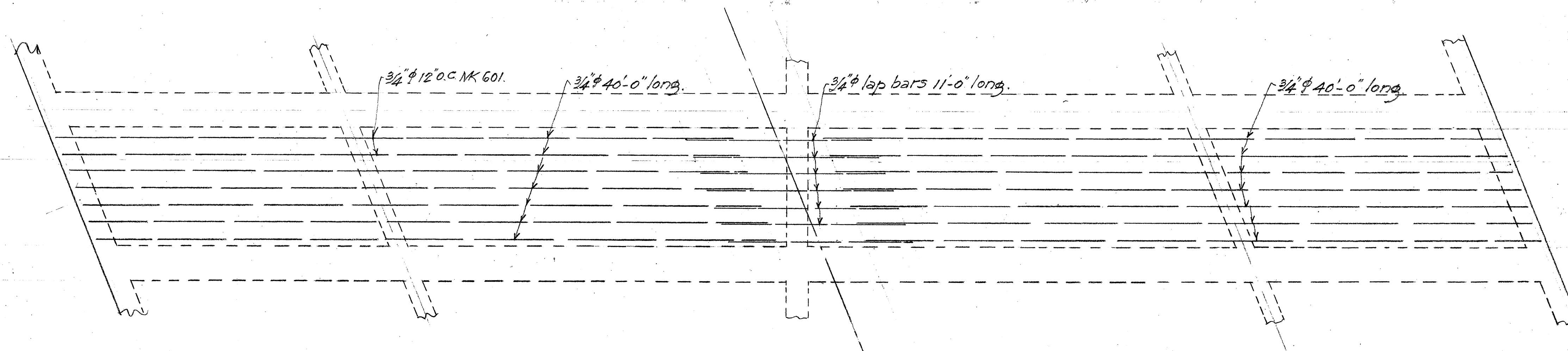
Scale: 1/4" = 1'-0"

Note! Welded bars turned end for end in placing. See Plan.



PLAN. TOP LAYER REINFORCING

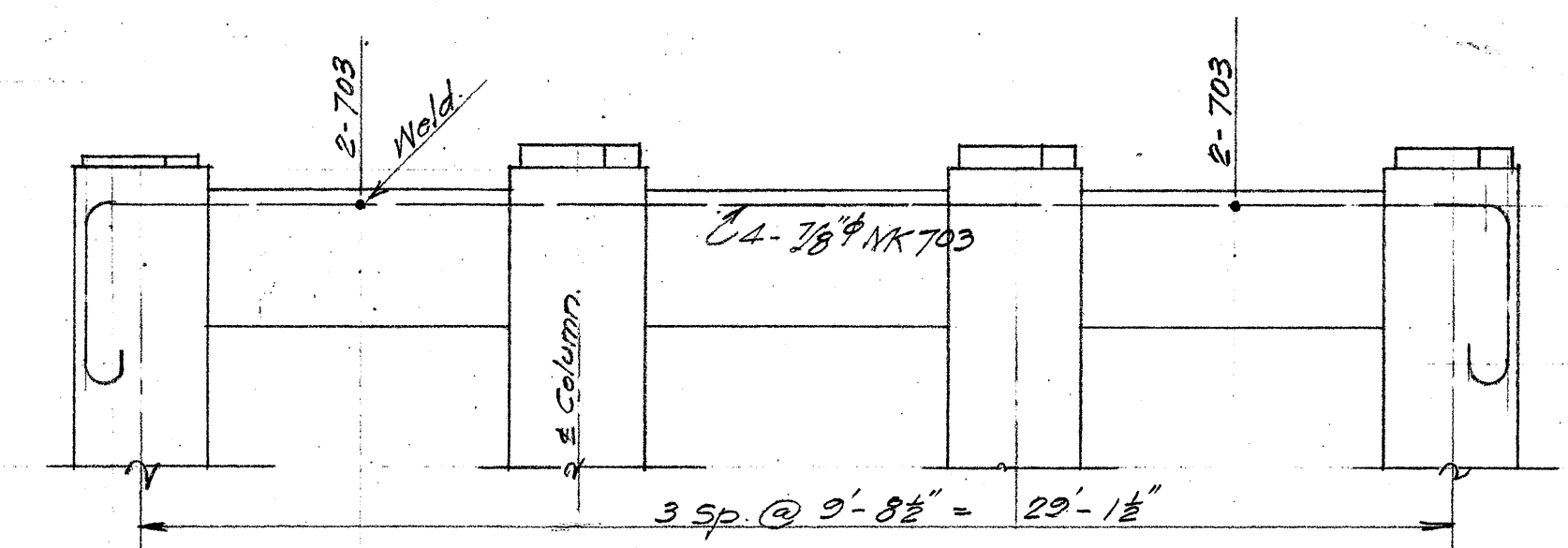
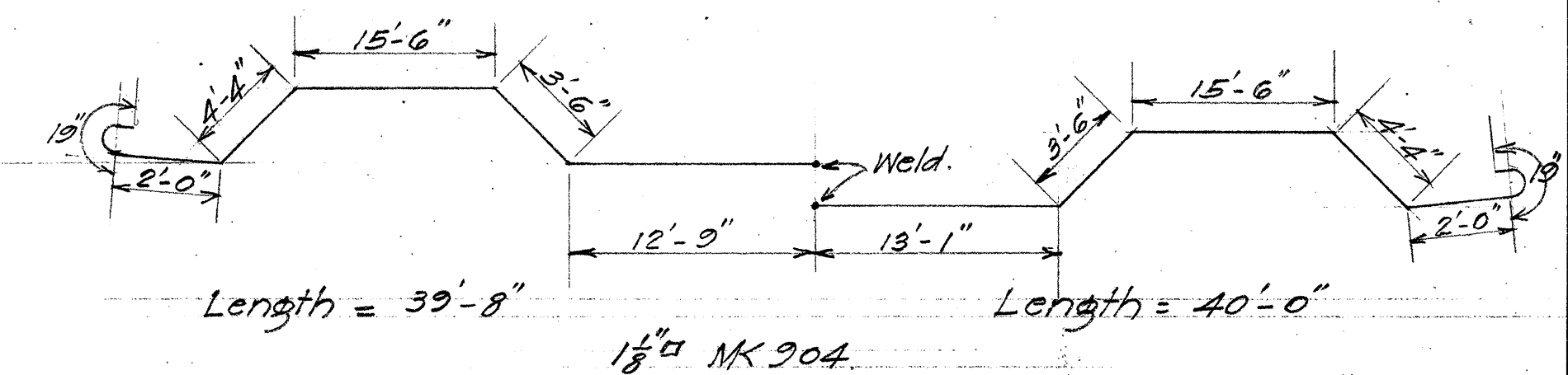
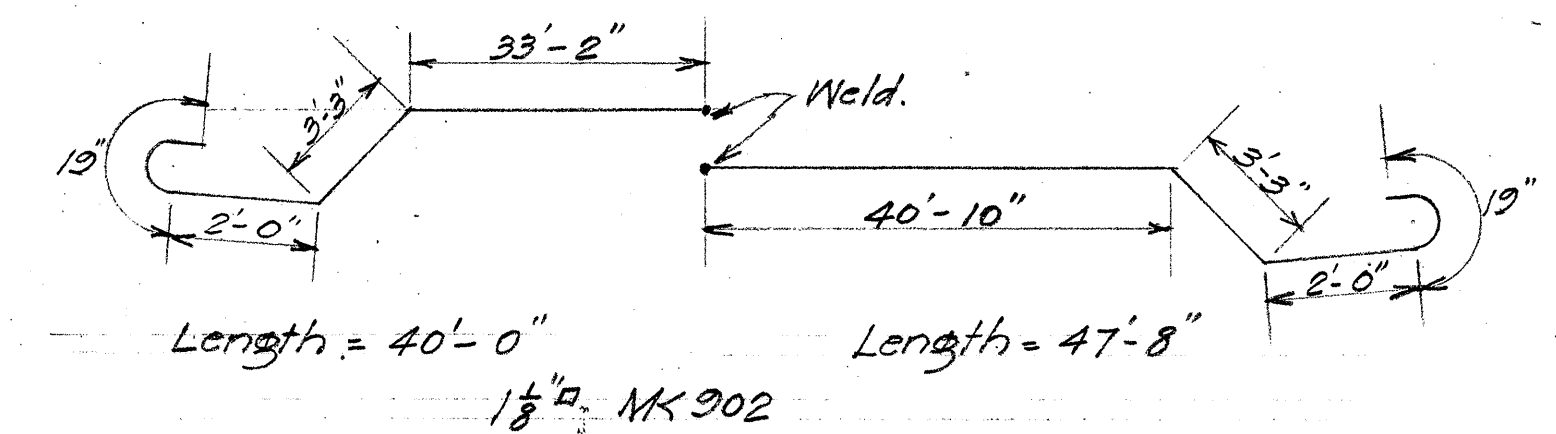
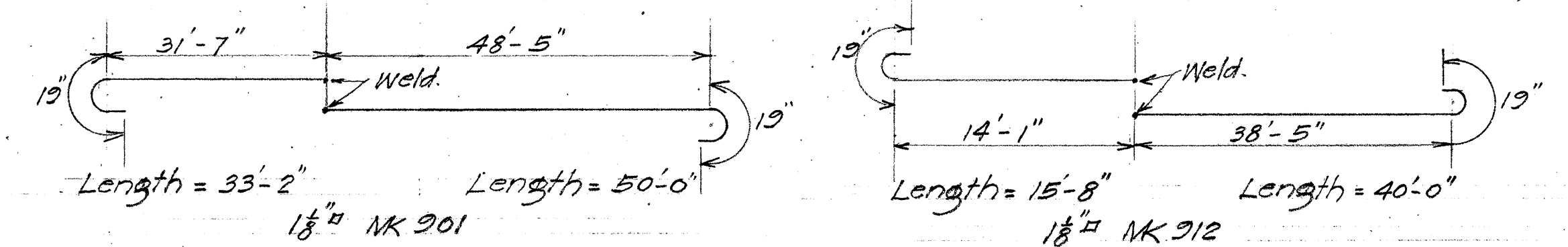
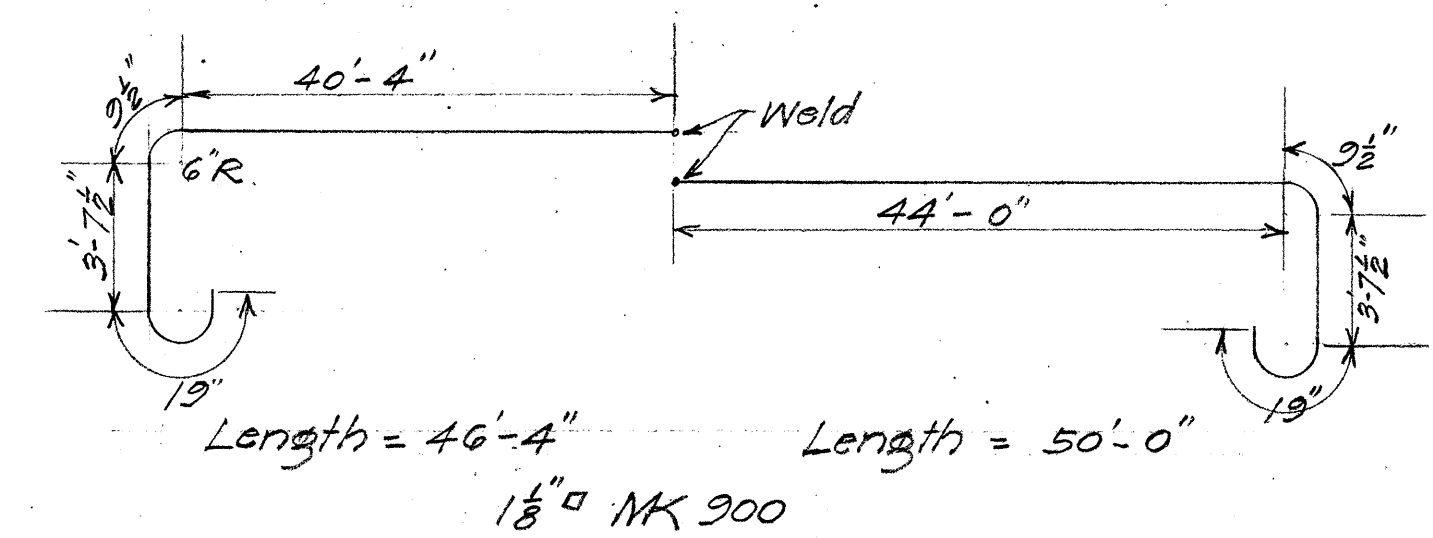
1/4" = 1'-0"



LAP DETAIL. DECK LONGITUDINAL TOP REINFORCING

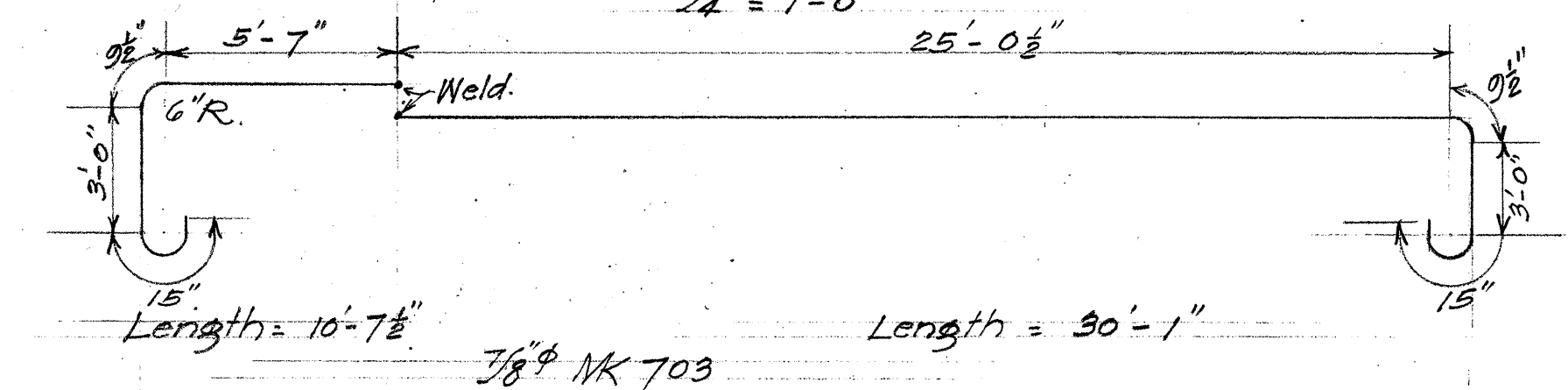
Scale: 1/4" = 1'-0"

Note! Lap Detail for deck longitudinal MK-500 bars same.



SPLICE LOCATION, PIER 7/8" MK-703 BARS.

1/4" = 1'-0"



TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII

SPLICE & LAP DETAIL
HIGHWAY OVERPASS

Waipio Point Access Rd. D.A.N.R. 15(2)
Sept. 1945

SHEET No. 1 OF 1 SHEETS

5152.17A

5152.17A

ORIGINAL PLAN	DATE
DRAWN BY	
DESIGNED BY	
CHECKED BY	
QUANTITIES CHECKED BY	
CHECKED BY	
No.	