

Depressed V Letters

NAME

Use correct name

Left hand side both ends

3/8" deep

DATE

Date of year built

Right hand side both ends

DETAILS LETTERS & FIGURES ON BRIDGE RAILINGS

Scale 3/4" = 1'-0"

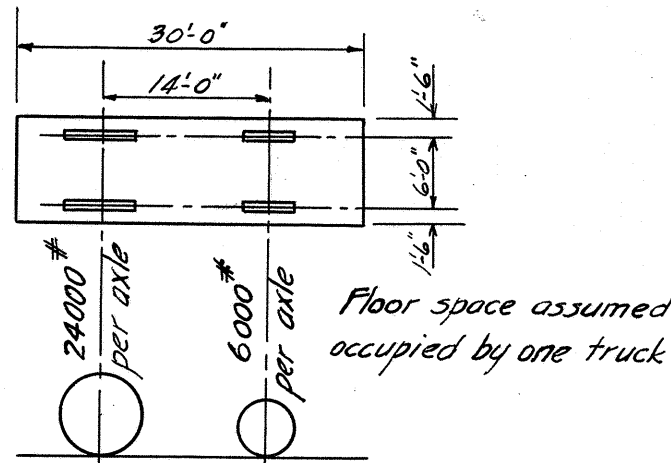
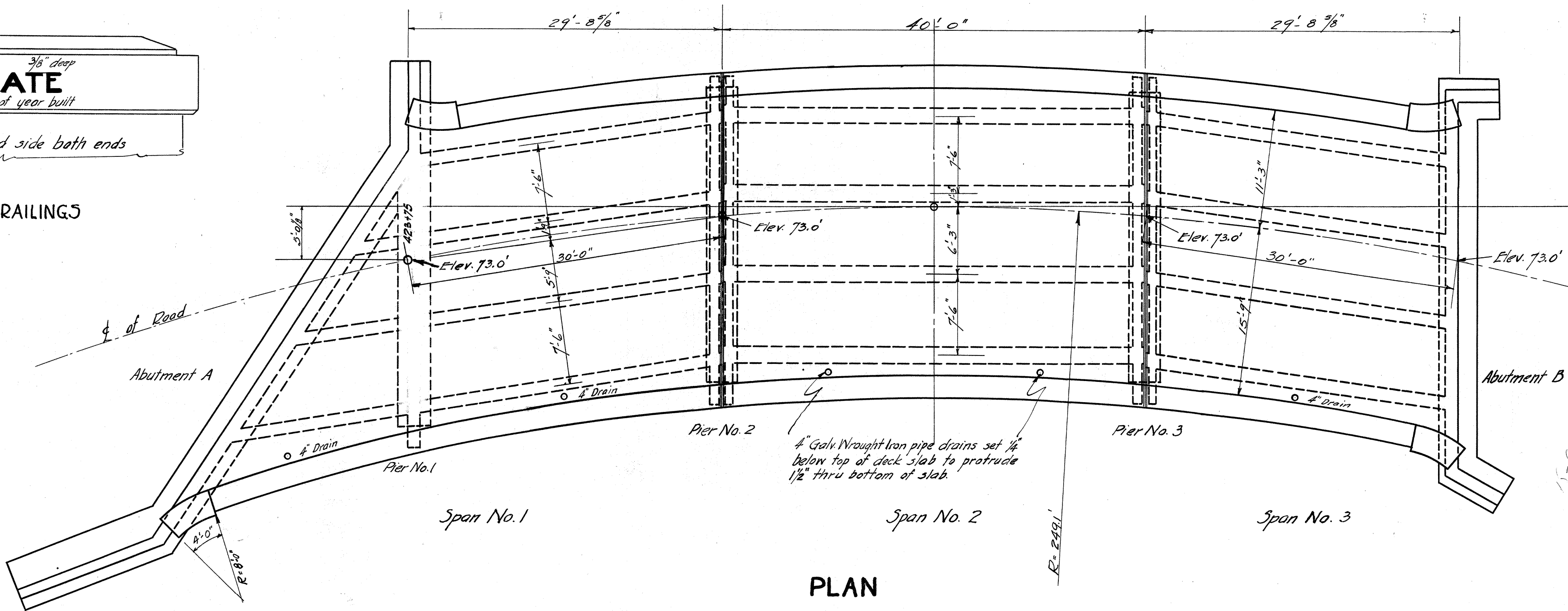
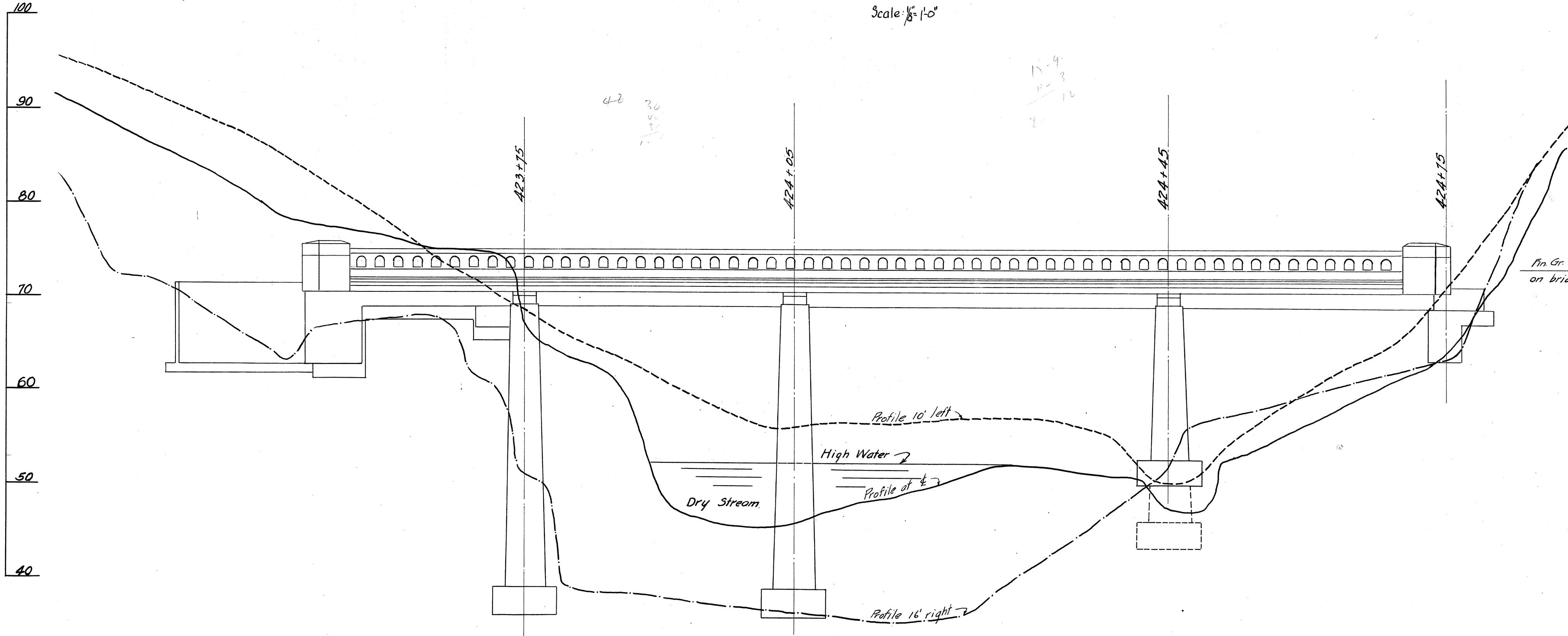


DIAGRAM OF I-15 TON TRUCK



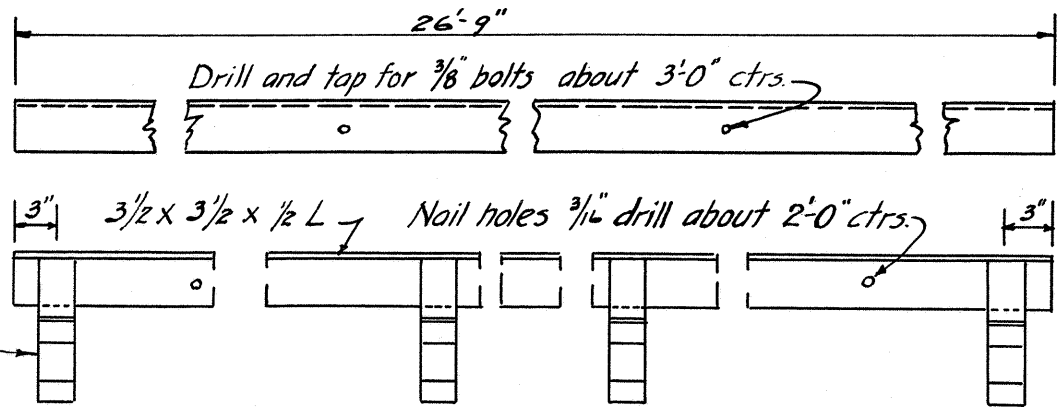
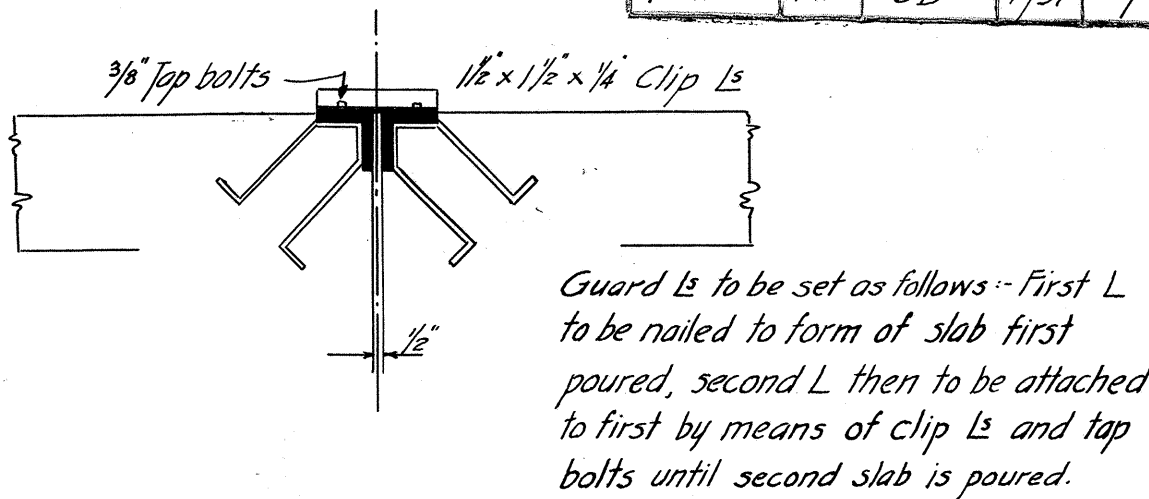
PLAN

Scale: 1/8" = 1'-0"



ELEVATION

Scale: 1/8" = 1'-0"



STEEL GUARD ANGLES

Scale 1" = 1'-0"

ESTIMATE OF QUANTITIES

ITEM	EXCAVATION	CONCRETE	REINFORCING
Abutment A	63.9 cy.	31.7 cy.	1373 #
Abutment B	56.5 cy.	27.3 cy.	1180 #
Pier No. 1	30.9 cy.	31.4 cy.	1926 #
Pier No. 2	22.5 cy.	45.0 cy.	3265 #
Pier No. 3	62.4 cy.	43.1 cy.	2987 #
Span No. 1		64.7 cy.	11650 #
Span No. 2		76.6 cy.	14359 #
Span No. 3		46.0 cy.	8975 #
Totals	236.2 cy.	345.8 cy.	45715 #

GENERAL NOTES:

DEAD LOAD - Concrete at 150# per cu. ft.

LIVE LOAD - Three 15 ton trucks with 30% impact and 100# per sq. ft. on sidewalk.

CONCRETE - All Class A (1:2:4 mix) with all exposed corners chamfered 3/8". Allowable compression 650# per sq. in.

REINFORCING STEEL - Allowable tensile stress 16000# per sq. in. All steel to be square deformed bars - square twisted bars not to be considered deformed. All dimensions relating to reinforcement are to centers of bars. Where location of bars is not given they are to be placed 2 inches from the adjacent concrete surface. Length of all bars unless given are to be such as to reach a point 2 inches from the concrete face at their ends. Splices must be approved by the Engineer and shall have a lap of 40 diameters with splices staggered. The main longitudinal bars in girders cannot be spliced. Extra weight of steel required for splices will not be included in quantities for payment.

FOUNDATIONS - All elevations shown may be changed upon order of the Engineer.

TERRITORIAL HIGHWAY DEPARTMENT

TERRITORY OF HAWAII

BRIDGE NO. 8

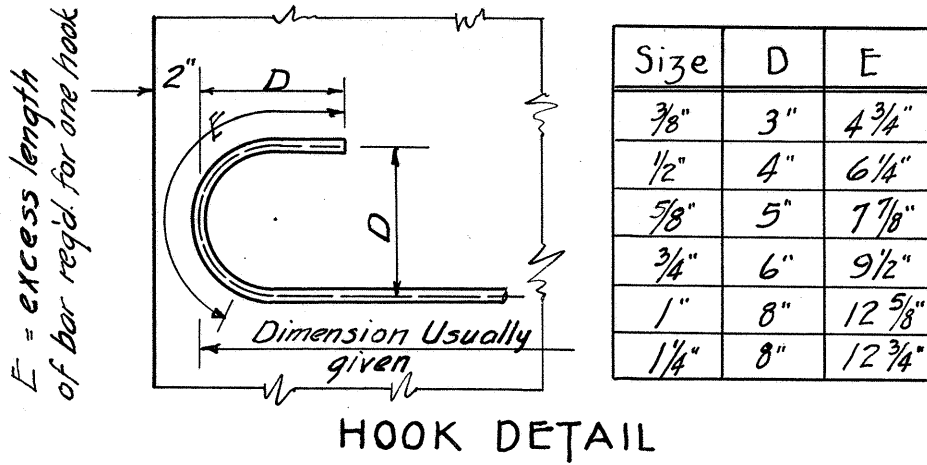
Scale: As noted on drawings

KALANIANA'OLE Highway F.A.P. No. 6D

SHEET 1 OF 4 SHEETS

JANUARY 1931

4186.9

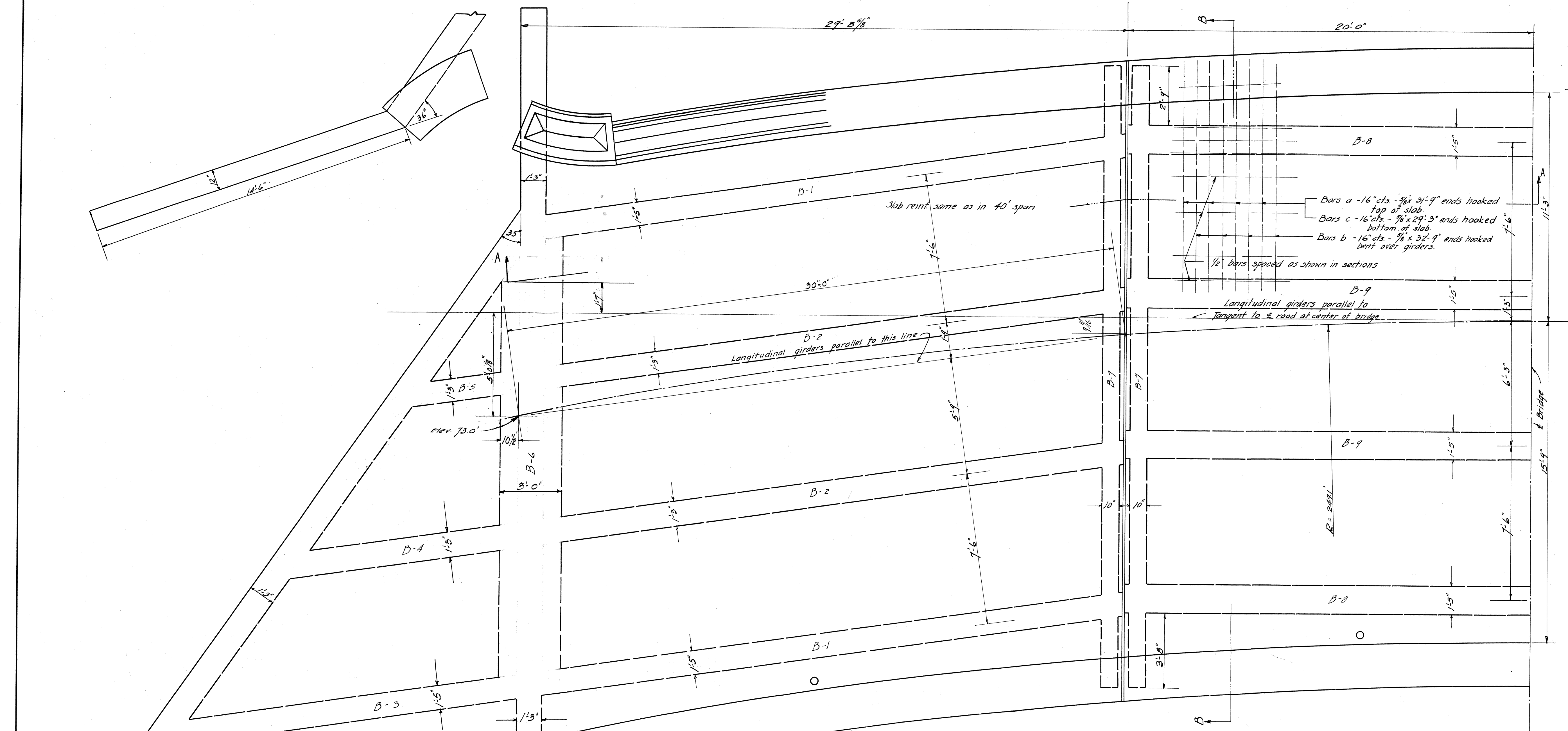


HOOK DETAIL

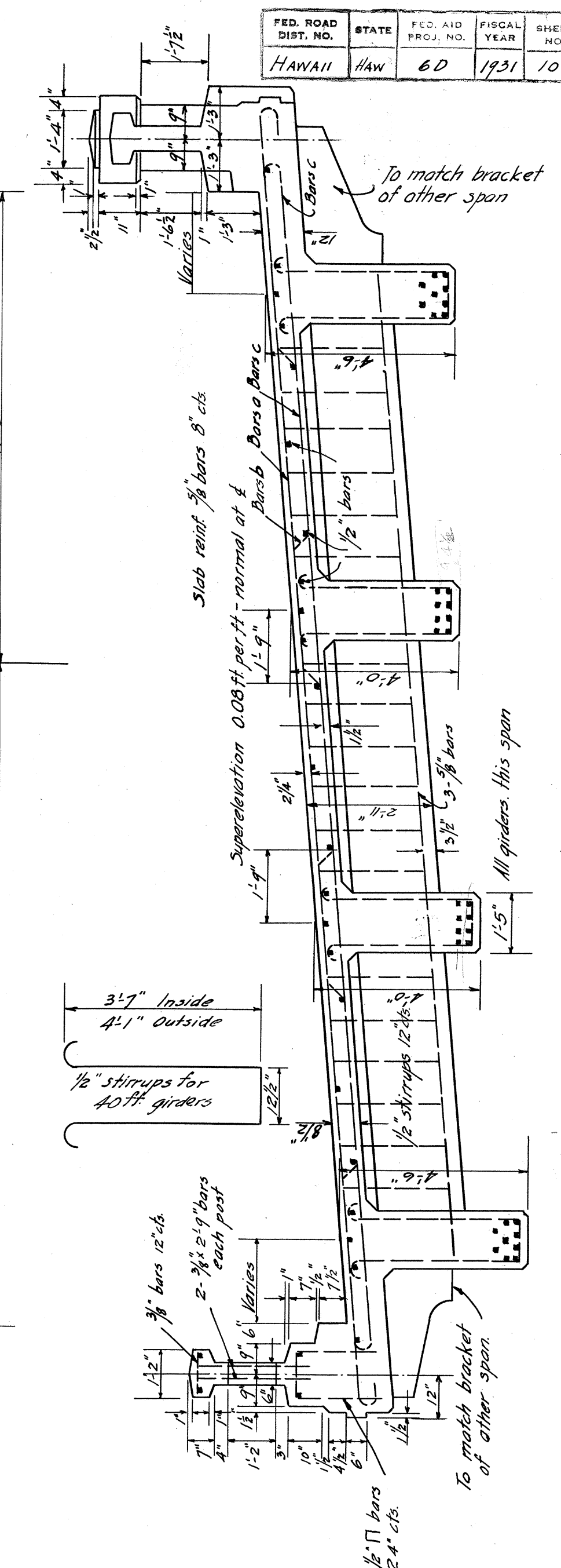
No Scale

Size	D	E
3/8"	3"	4 3/4"
1/2"	4"	6 1/4"
5/8"	5"	7 1/8"
3/4"	6"	9 1/2"
1"	8"	12 3/4"
1 1/4"	8"	12 3/4"

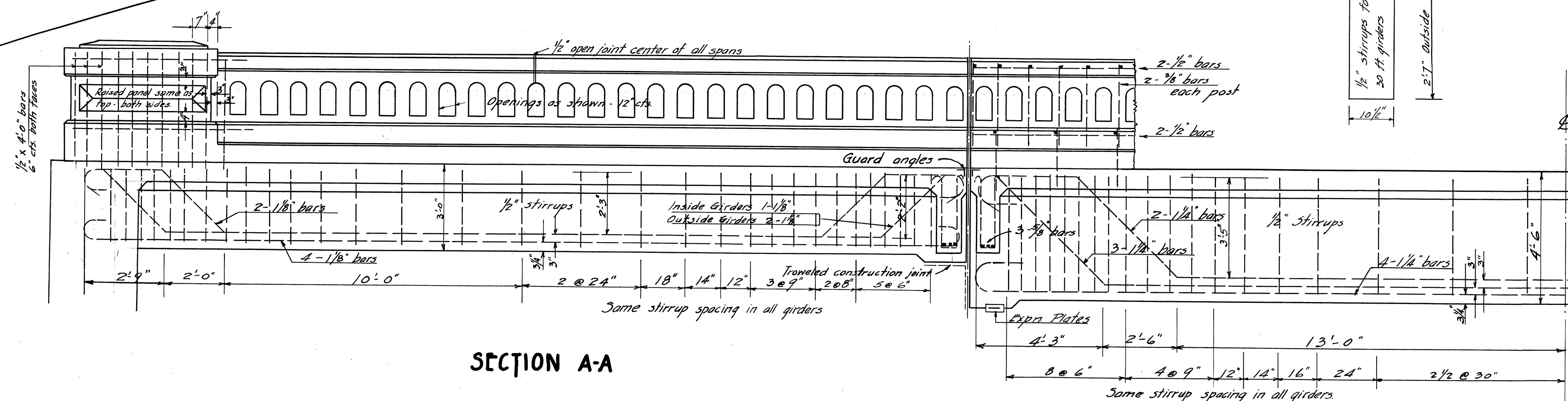
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	6D	1931	10	23



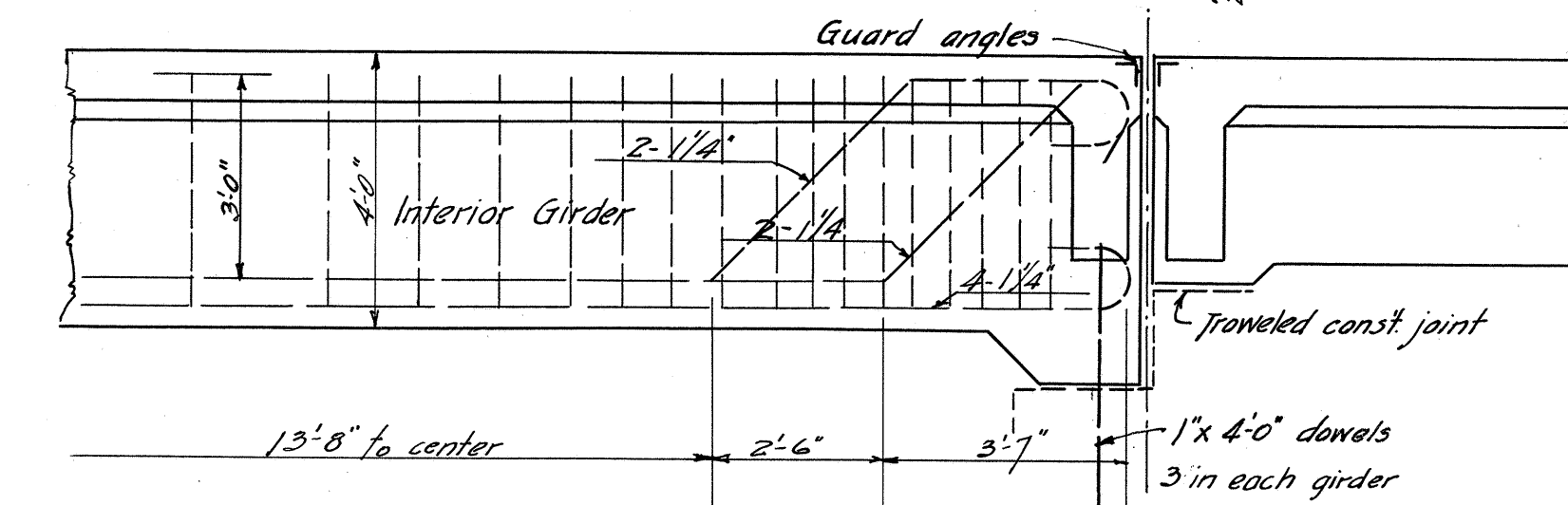
PART PLAN



SECTION B-B



SECTION A-A



SECTION OVER PIER NO. 3

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII

BRIDGE NO. 8

Scale: 7/8" = 1'-0"

KALANIANA'OLE HIGHWAY F.A.P. No. 6D

JANUARY 1931

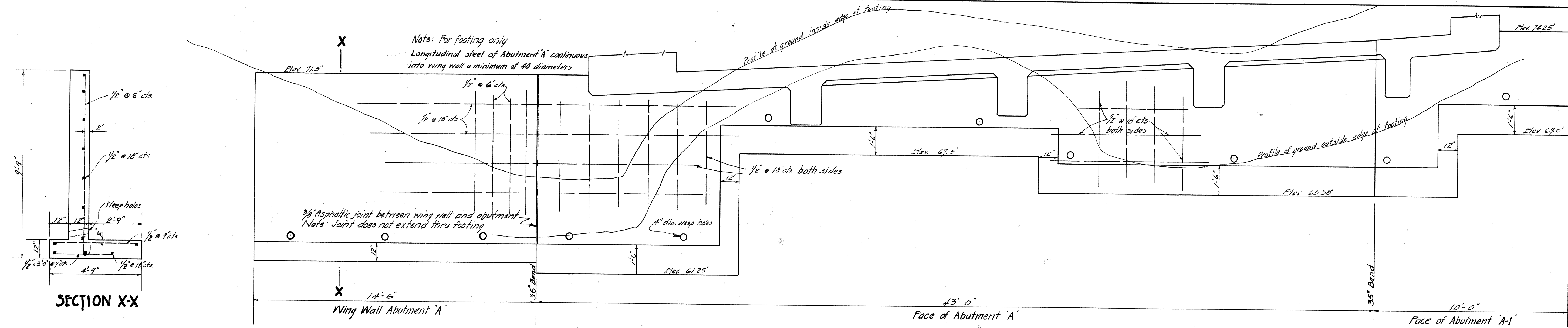
4186.10

SHEET 2 OF 4 SHEETS

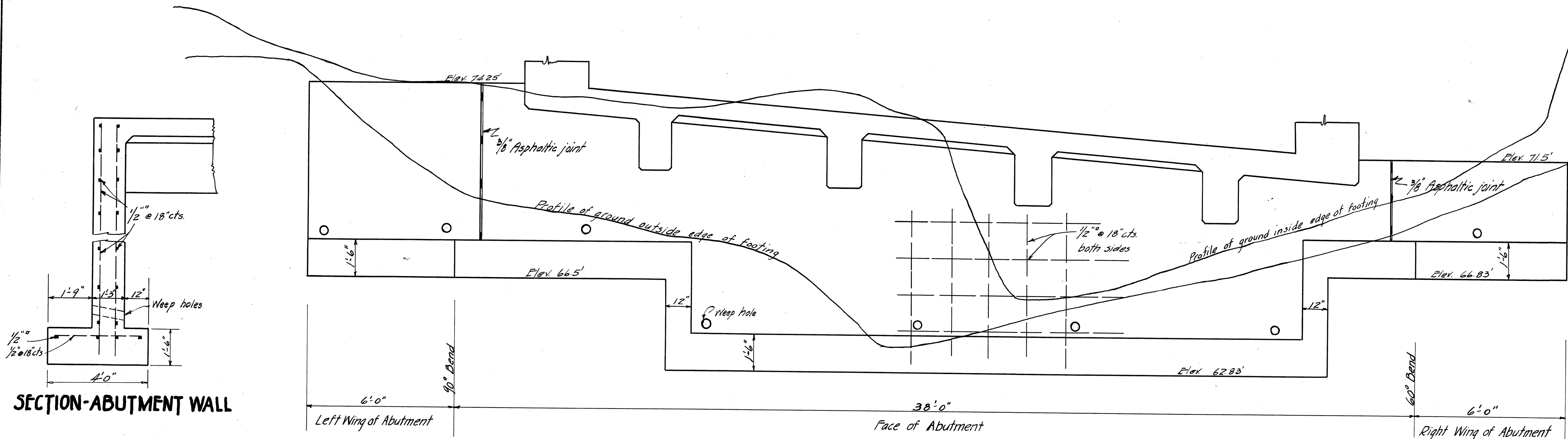
Plan No.	Post No.	Folder No.	Plan No.
6	14	2	

required by B.U.S. Radio
of Feb. 18, 1931.

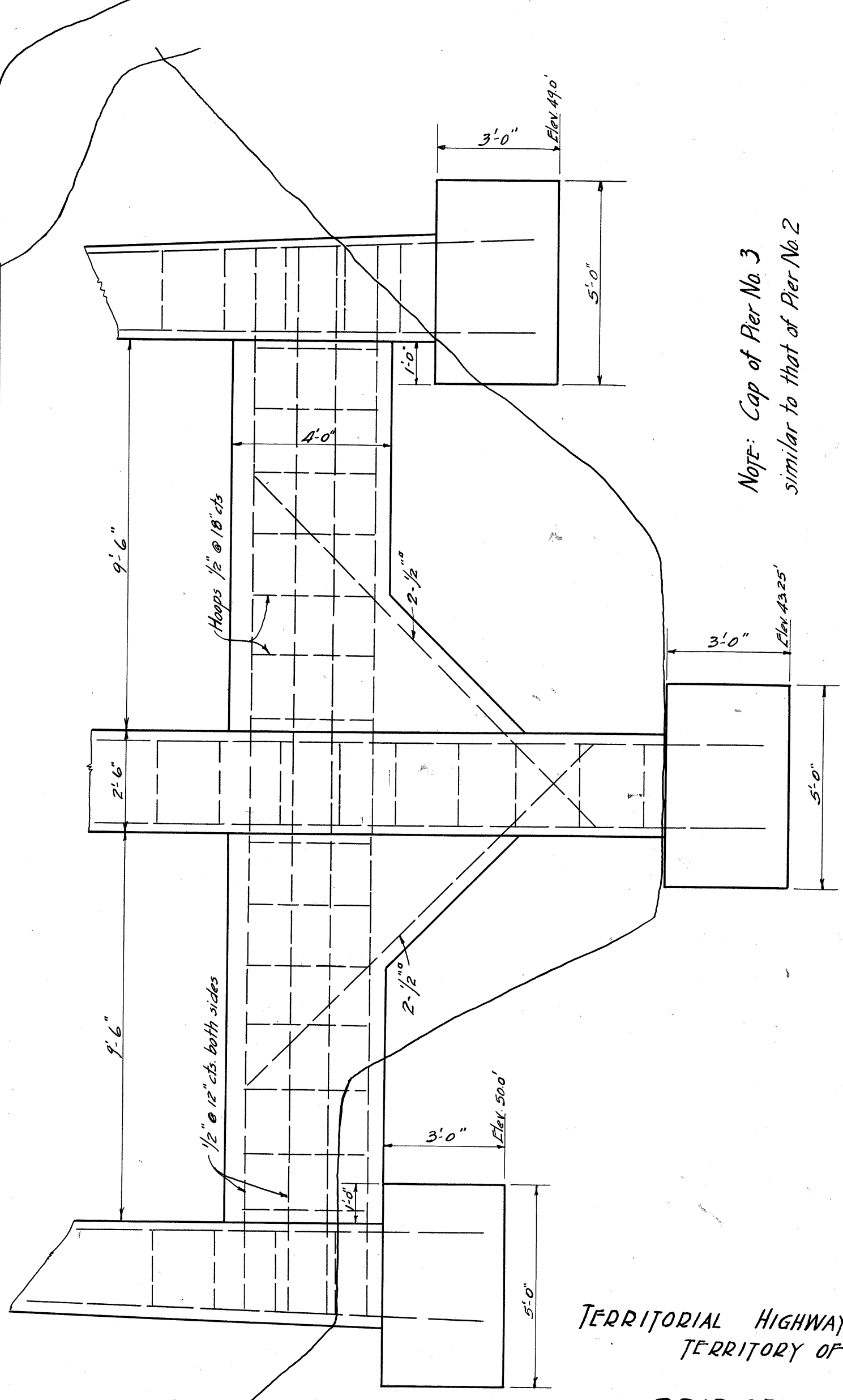
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
Hawaii	Haw	6 D	1931	12	23



ELEVATION ABUTMENT 'A' & 'A-1'



ELEVATION ABUTMENT 'B'



FOOTINGS PIER NO. 3

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII

BRIDGE NO. 8

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

KALANIANA'OLE HIGHWAY F.A.P. No. 6D

SHEET 4 OF 4 SHEETS

JANUARY 1931

4186.12

Plan No.	Section No.	Sheet No.	Total Sheets
6	14	2	23