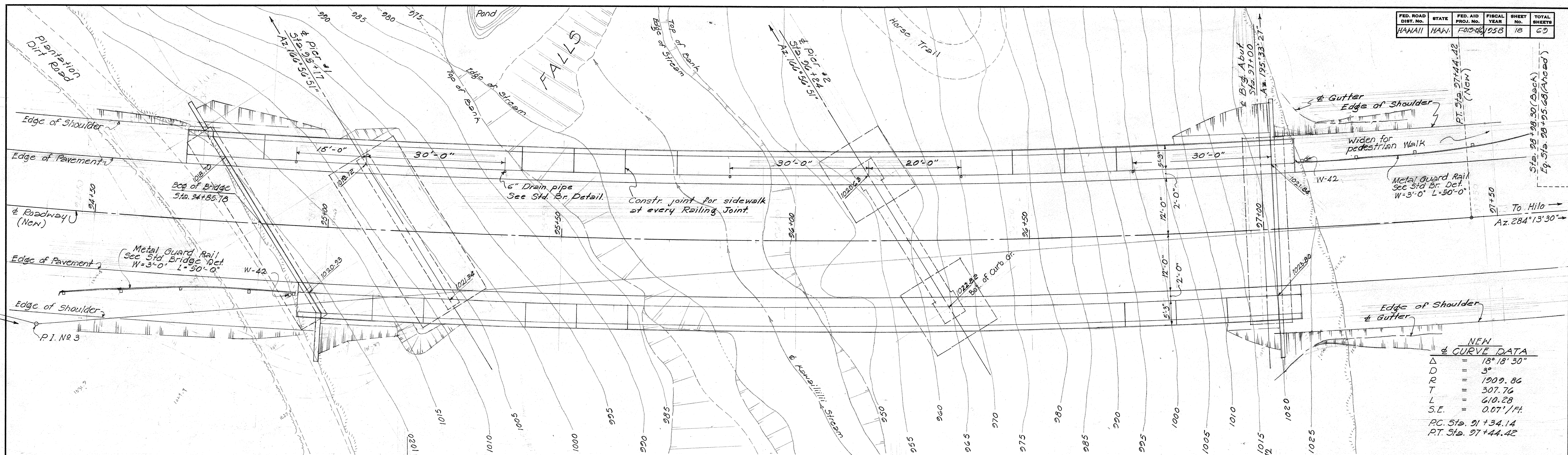


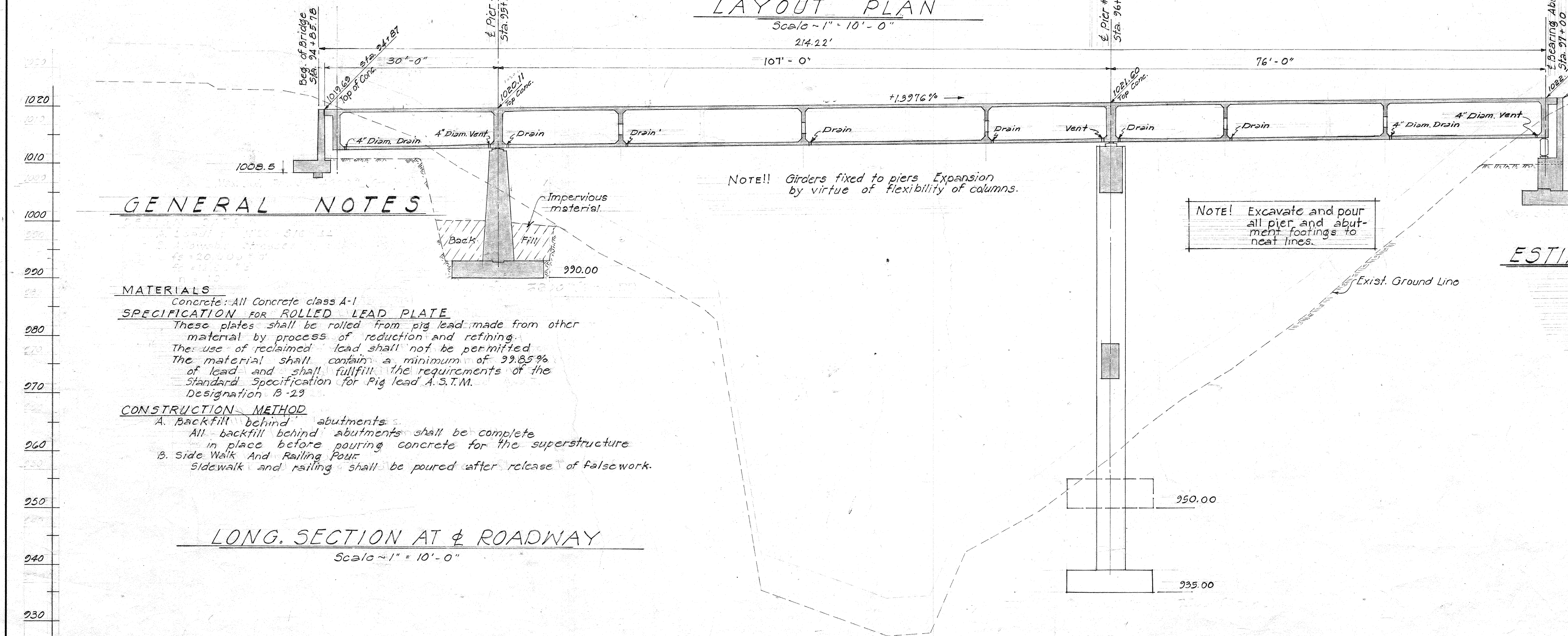


NEW CURVE DATA

Δ	= 18° 18' 30"
D	= 3"
R	= 1909.86
T	= 307.76
L	= 610.28
S.E.	= 0.07' / ft.
P.C. Sta.	91 + 34.14
P.T. Sta.	97 + 44.42

NOTE: S.E. = 0.07' per ft. used throughout the structure.

LAYOUT PLAN
Scale ~ 1" = 10' - 0"

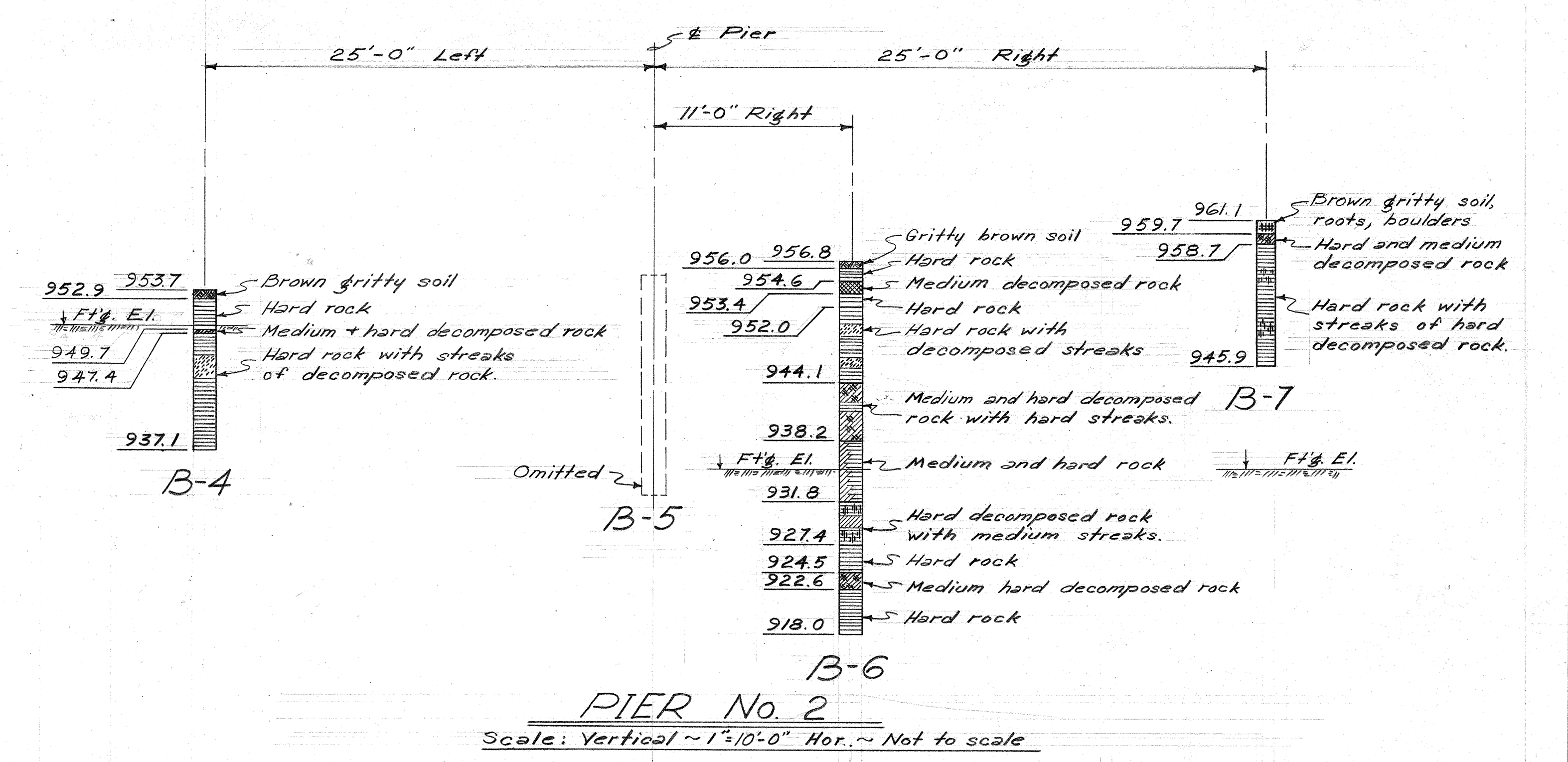
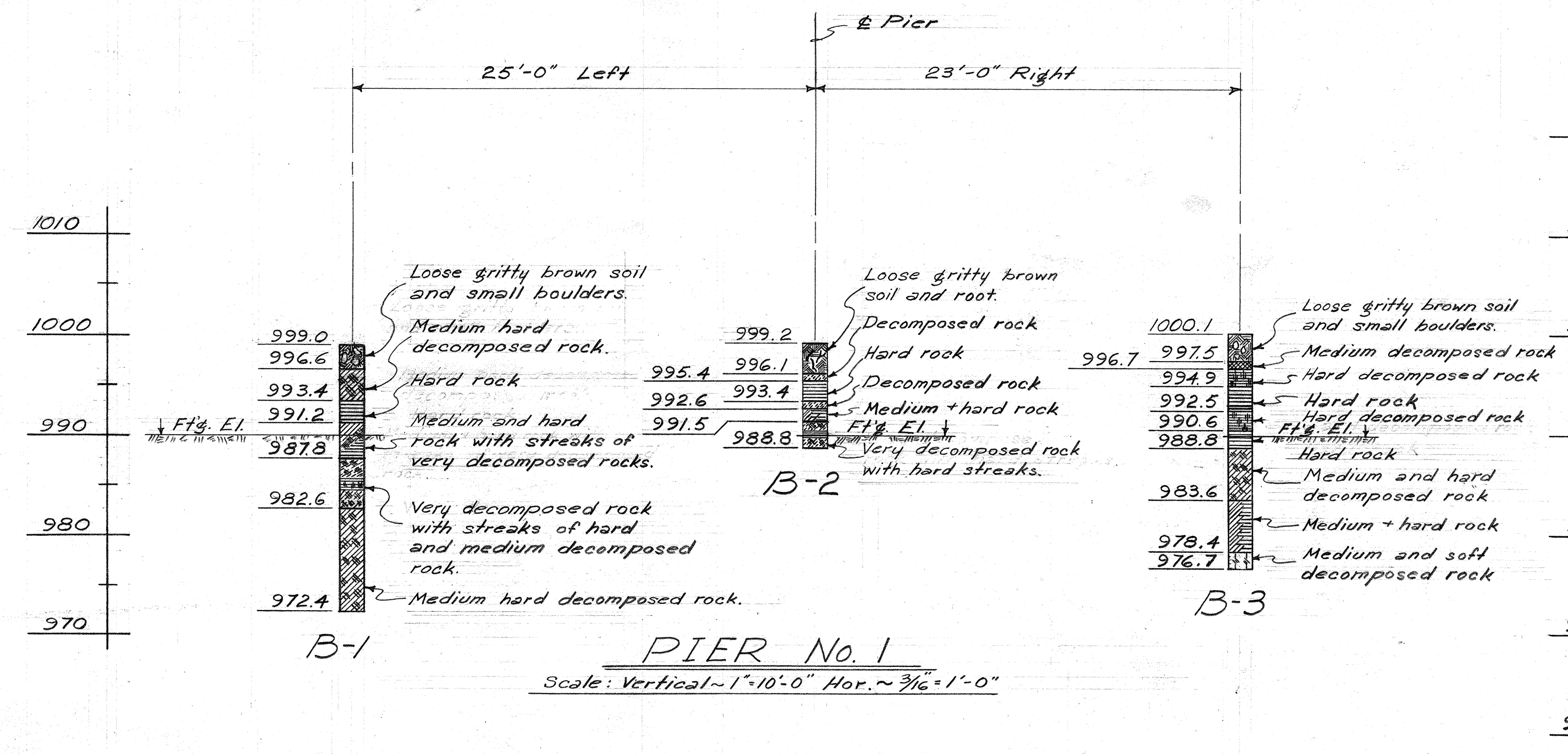


ESTIMATED QUANTITIES

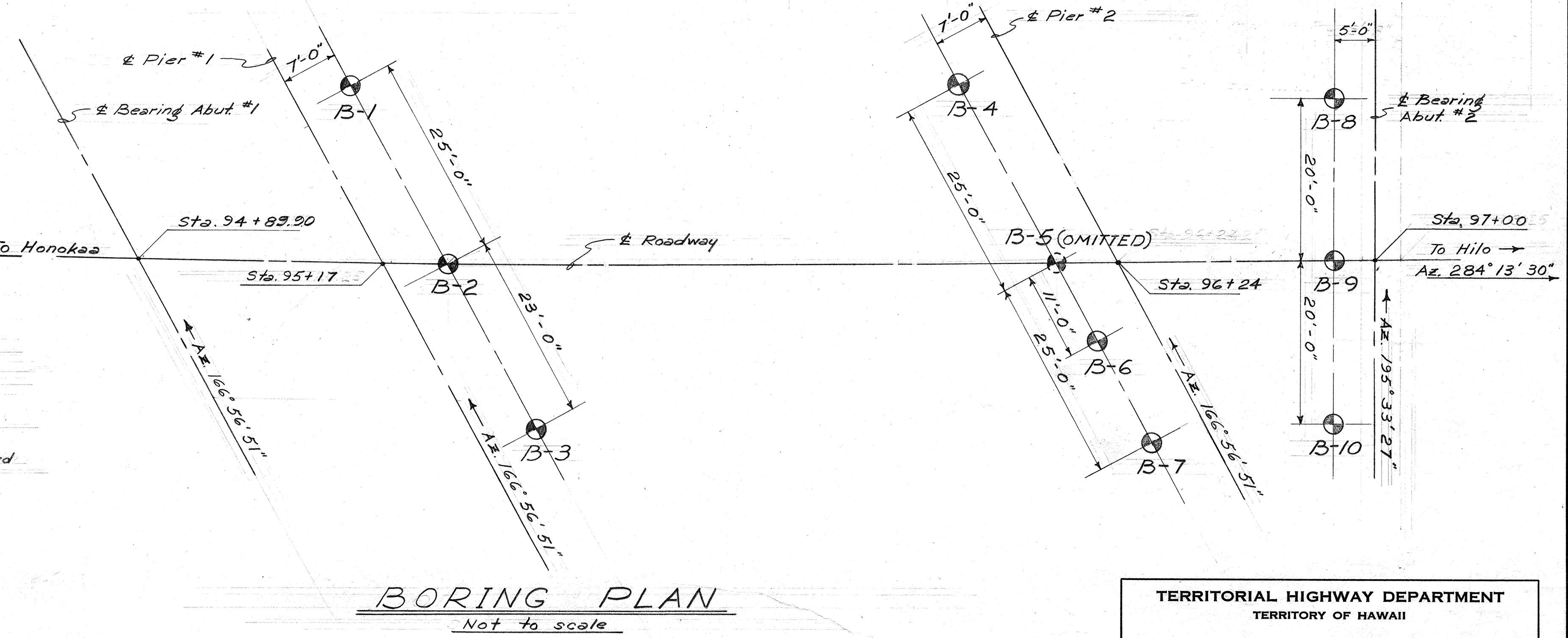
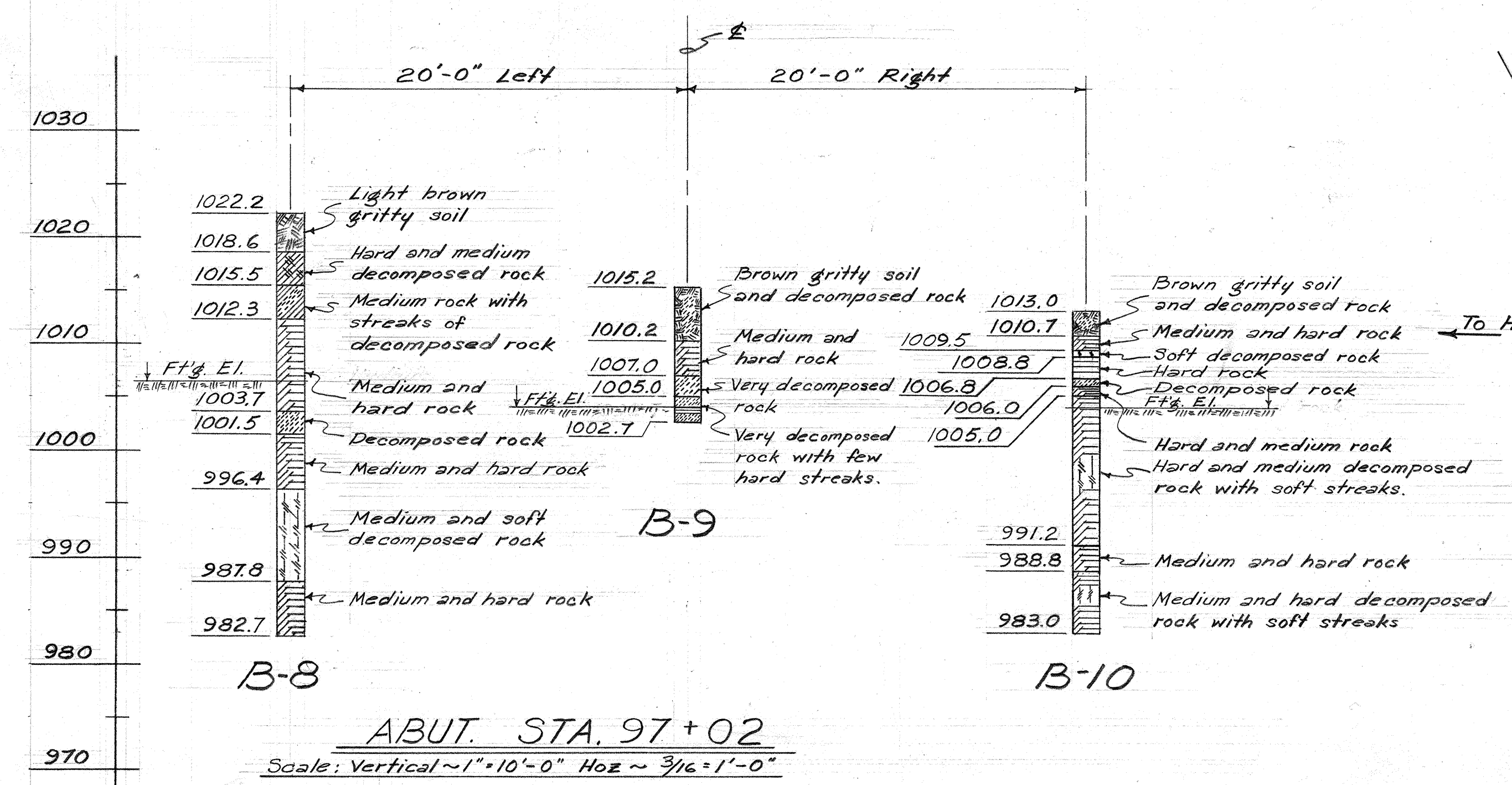
Class A-1 Concrete	Lump Sum
Reinf. Steel	Lump Sum
Struct. Exc.	1,650 c.y.
Filter Material	64 c.y.
Bit. Tack Coat	48 gal.
A.C. Pav't	51 Tons
Metal Guard Rail	100 Lin. Ft.

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
KAWAILIILII STREAM BR.
Sta. 94+85.78 to Sta. 97+03.25
HAWAII BELT RD. F-019-2 (6)
Dec. 1957

SURVEY PLOTTED BY: S. S. DATE: 5/13/57
DRAWN BY: J. F. CHECKED BY: J. F.
NOTE BOOK NO. 18



BORING DATA

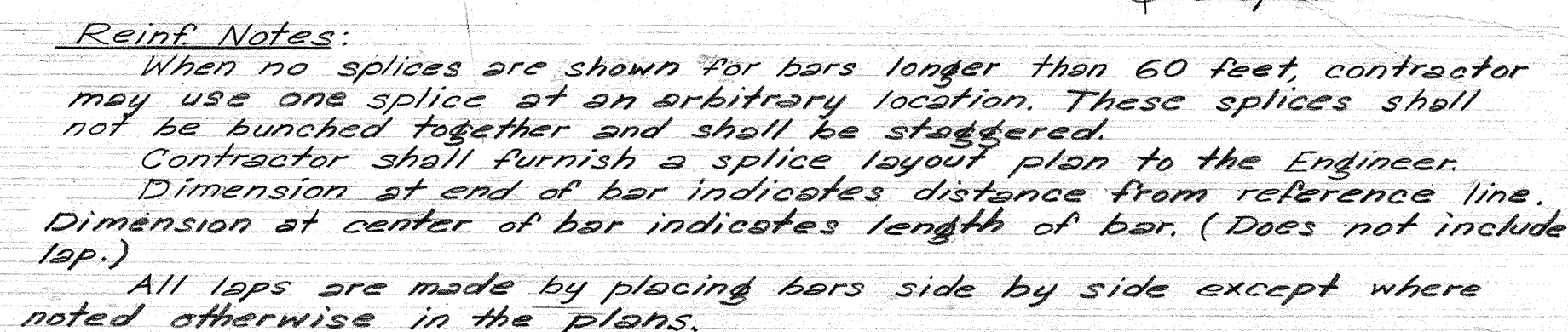


TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII

KAWAILIILI STREAM BR.
Sta. 94+85.78 to Sta. 97+03.25
HAWAII BELT RD. F-019-2(6)
JAN. 1958

DATE
DESIGNED BY
DRAWN BY
CHECKED BY
NOTED BY
NO. 1

ORIGINAL PLAN	SURVEY PLOTTED BY DESIGNED BY <i>S. Kavanur</i> DRAWN BY <i>T. Shreeva</i>	DATE " " " " "
NOTE BOOK No.	QUANTITIES BY QUANTITIES CHECKED BY CHECKED BY	" " " " "



TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII

KAWALIILII STREAM BR.
Sta. 94+05.78 to Sta. 97+03.25

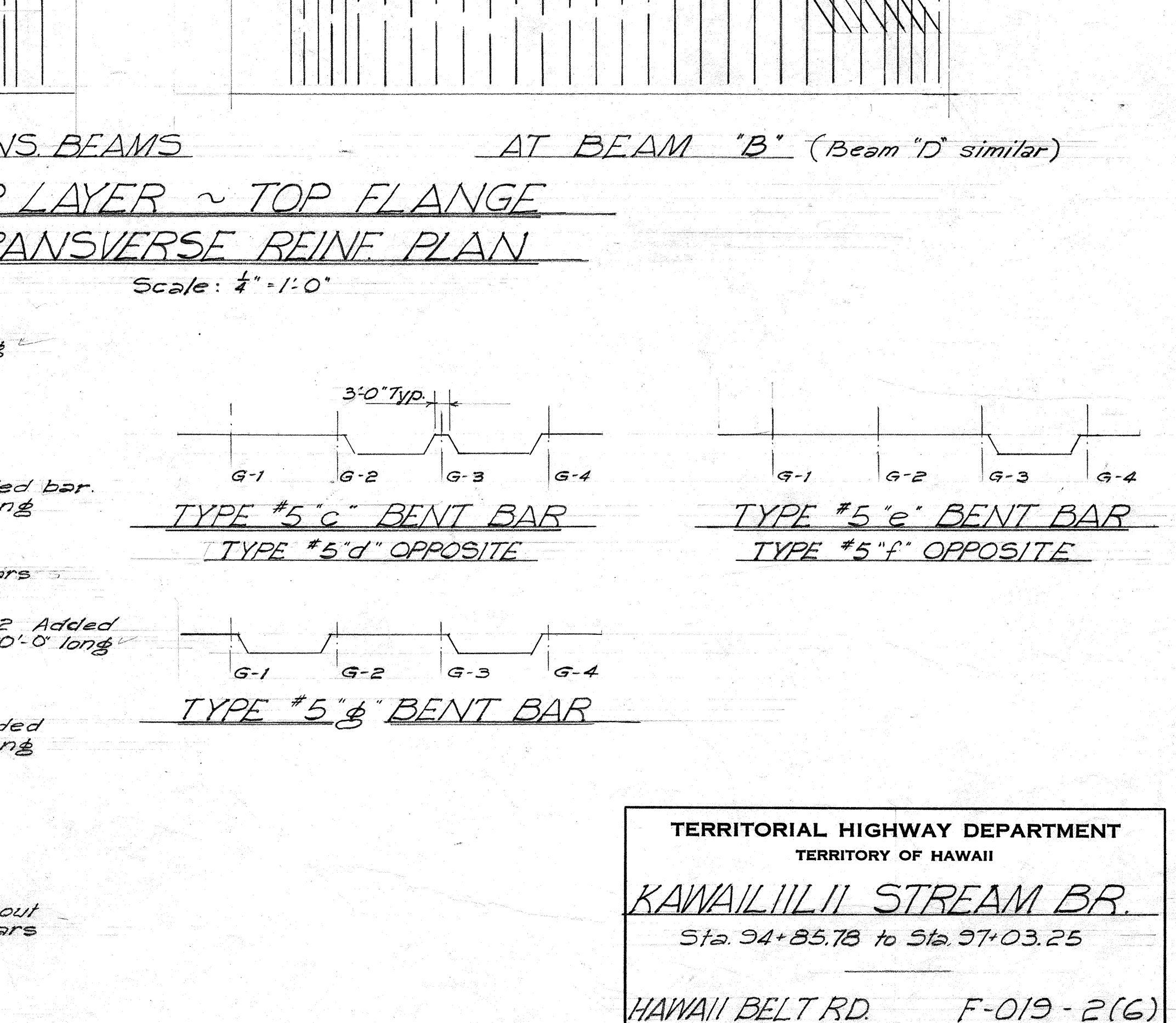
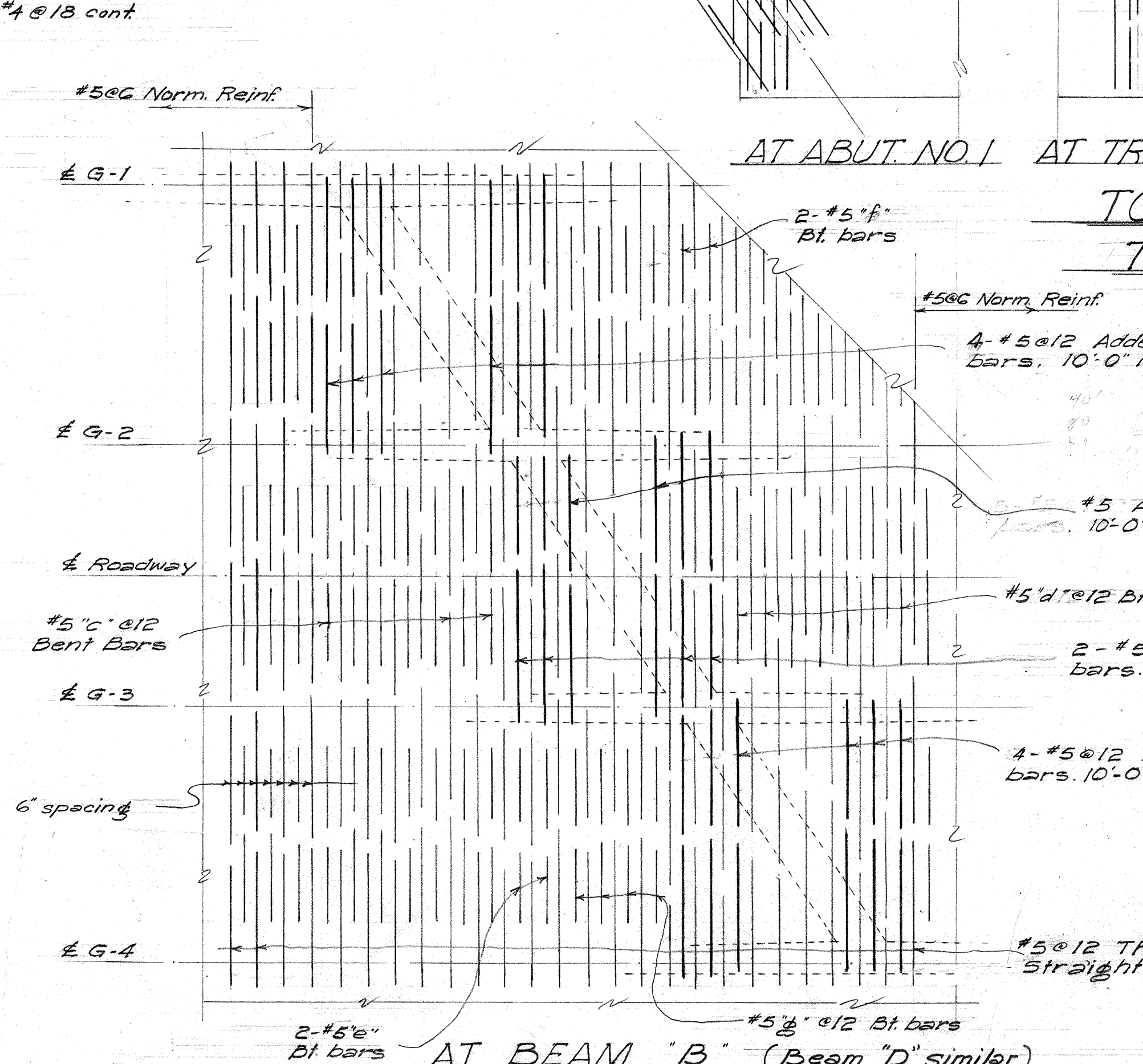
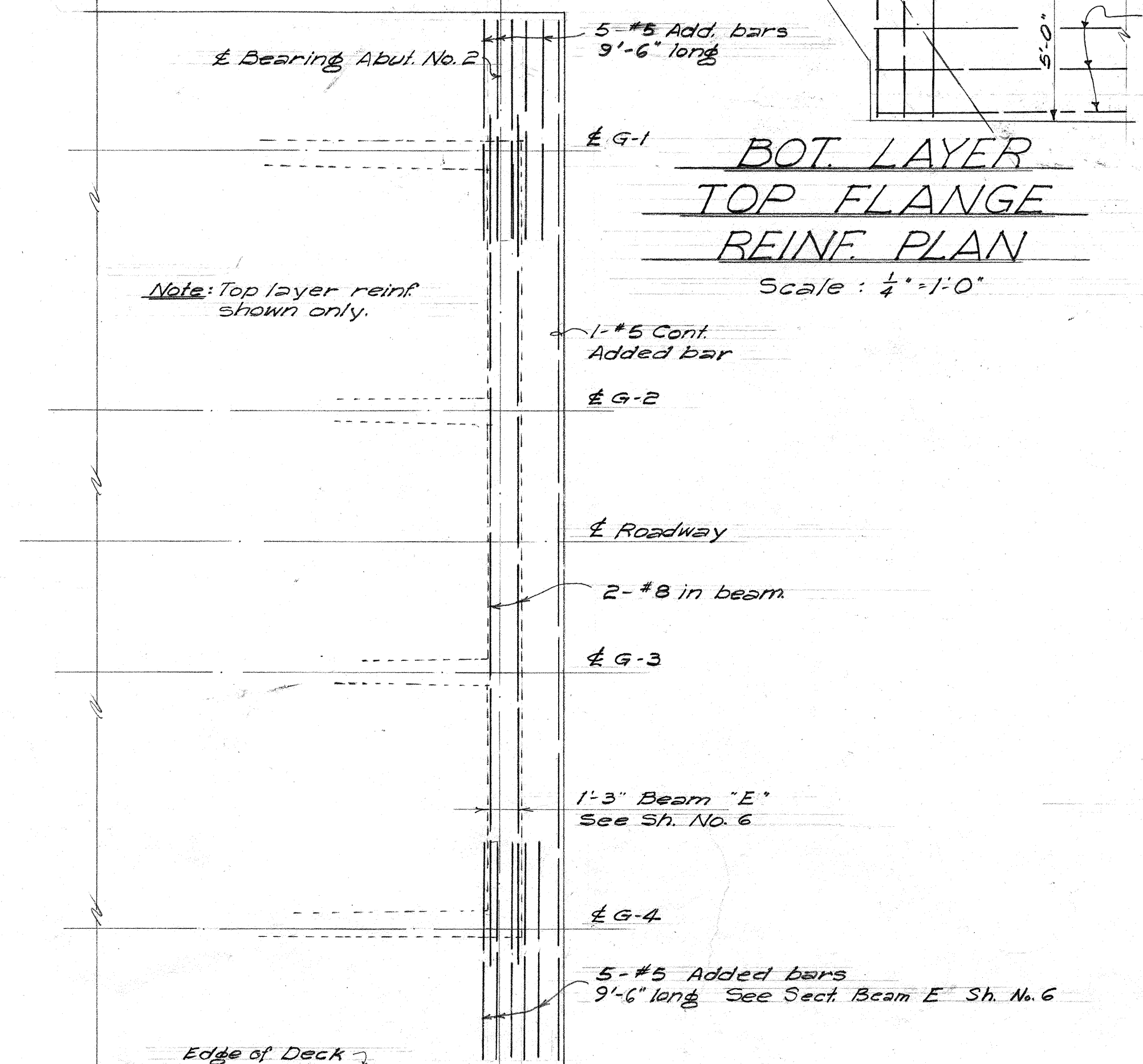
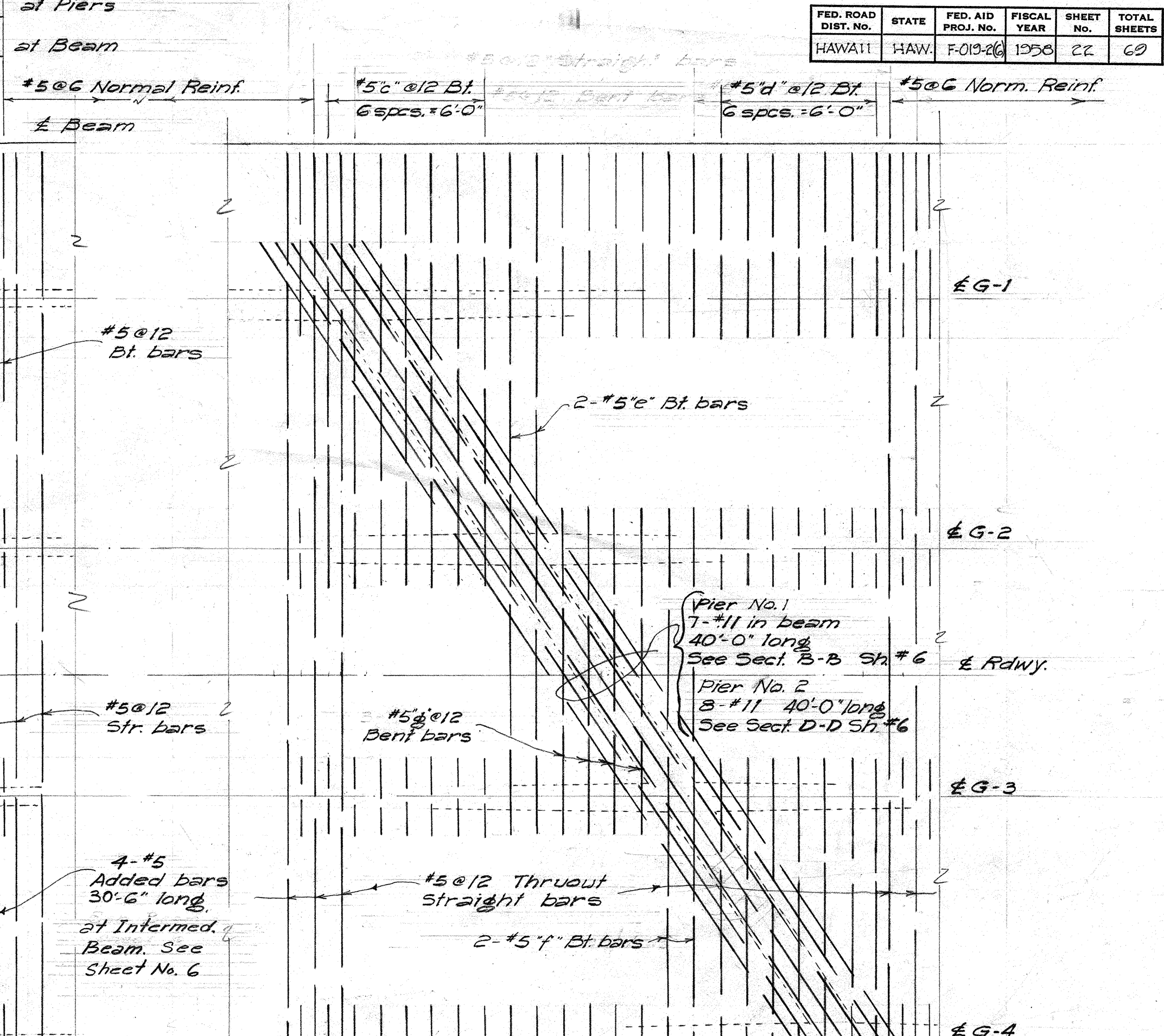
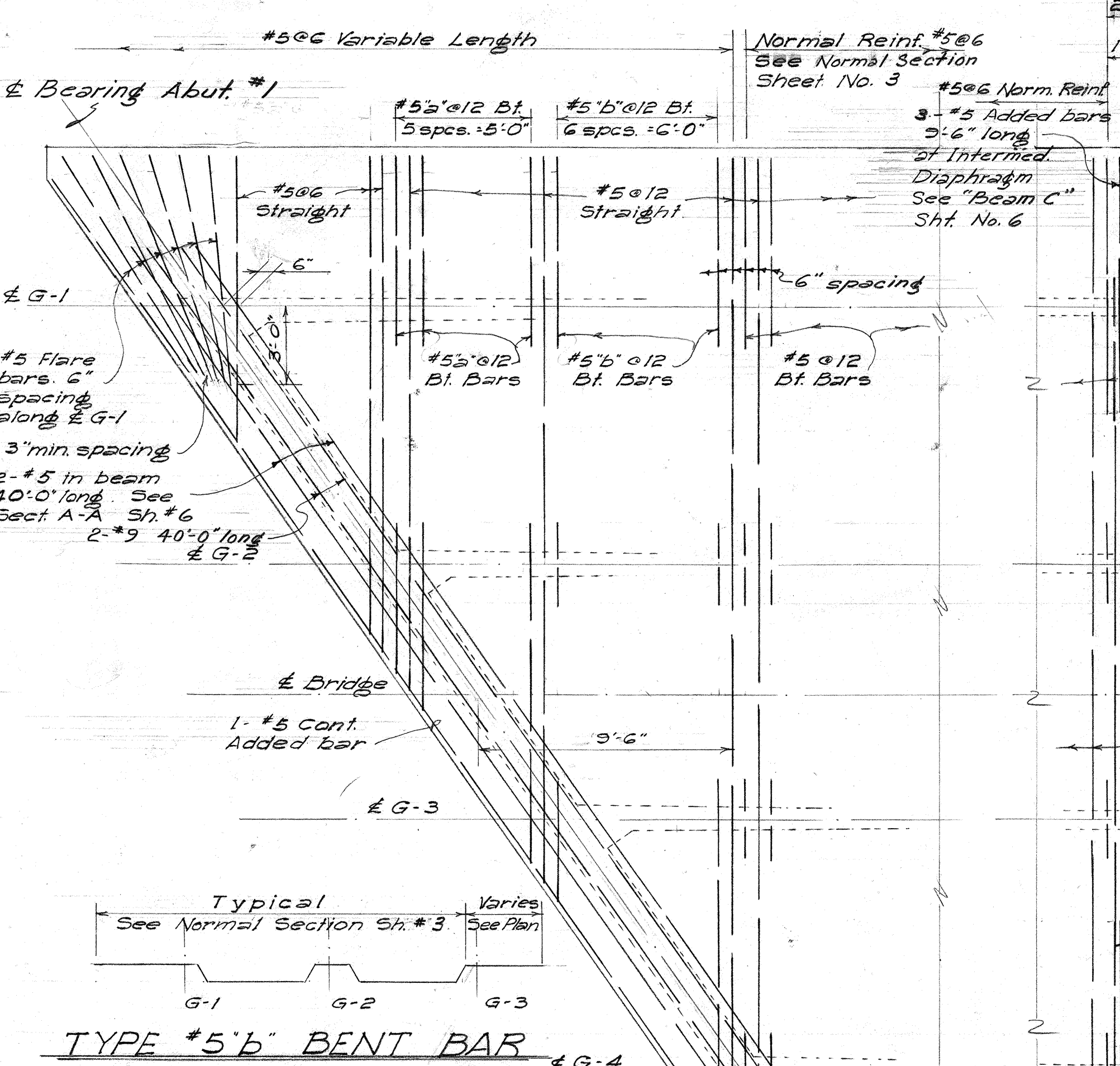
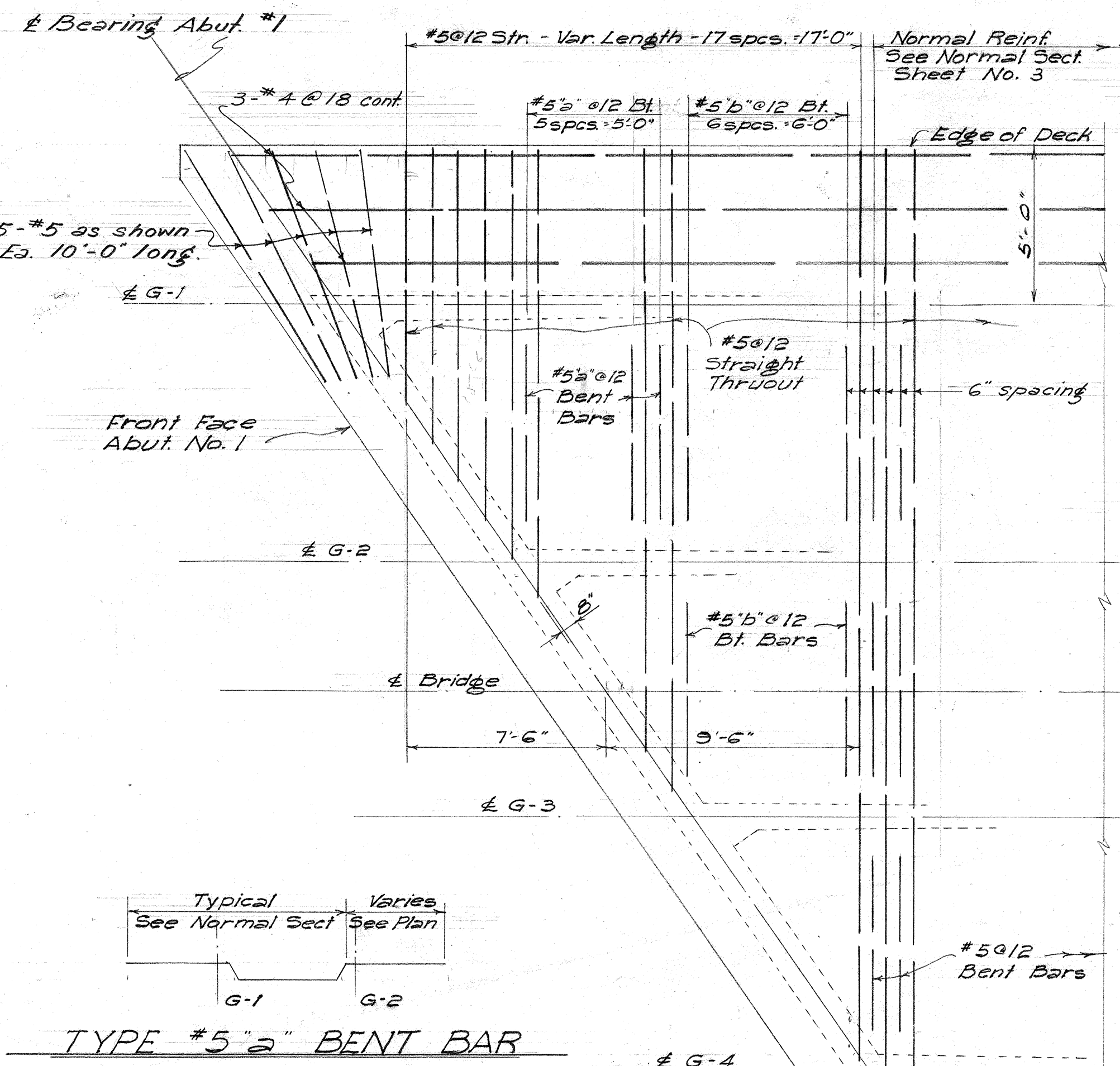
Hawaii Belt Rd. F-019-2(6)

January, 1958

SHEET No. 4 OF 12 SHEETS

5955.21

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-019-2(6)	1958	22	60



PART PLAN ~ DECK AT ABUT. NO. 2

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

BOT. LAYER ~ TOP FLANGE REINF. PLAN

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

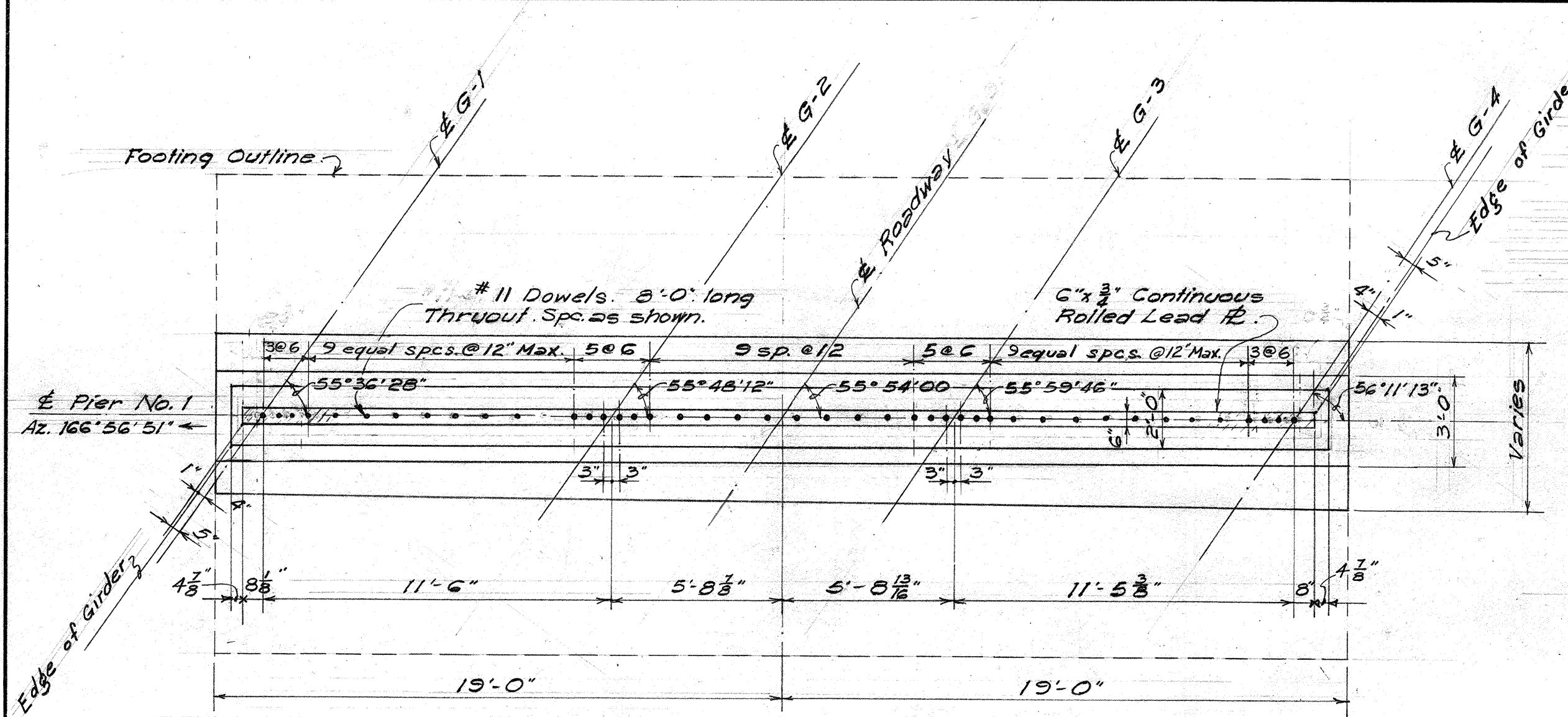
TYPE #5 "d" BENT BAR

TYPE #5 "e" BENT BAR

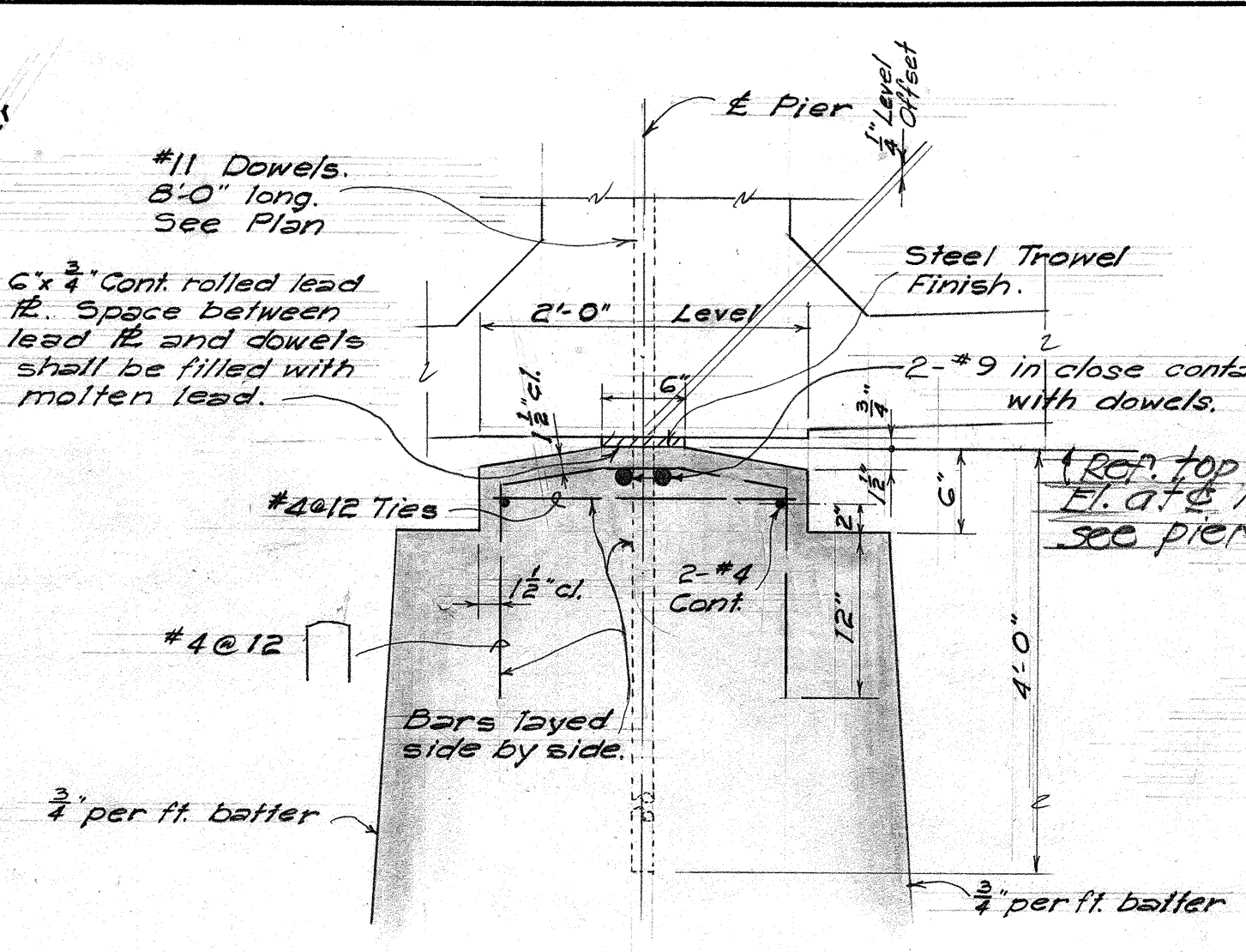
TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
KAWAILIILI STREAM BR.
Sta. 34+85.78 to Sta. 37+03.25
HAWAII BELT RD. F-019-2(6)
Dec. 1957

SURVEY PLOTTED BY: DATE: 12-57
DESIGNED BY: W. C. CHUNG
TRACED BY: W. C. CHUNG
NOTE BOOK NO. 12-57
QUANTITIES CHECKED BY: W. C. CHUNG
CHECKED BY: W. C. CHUNG

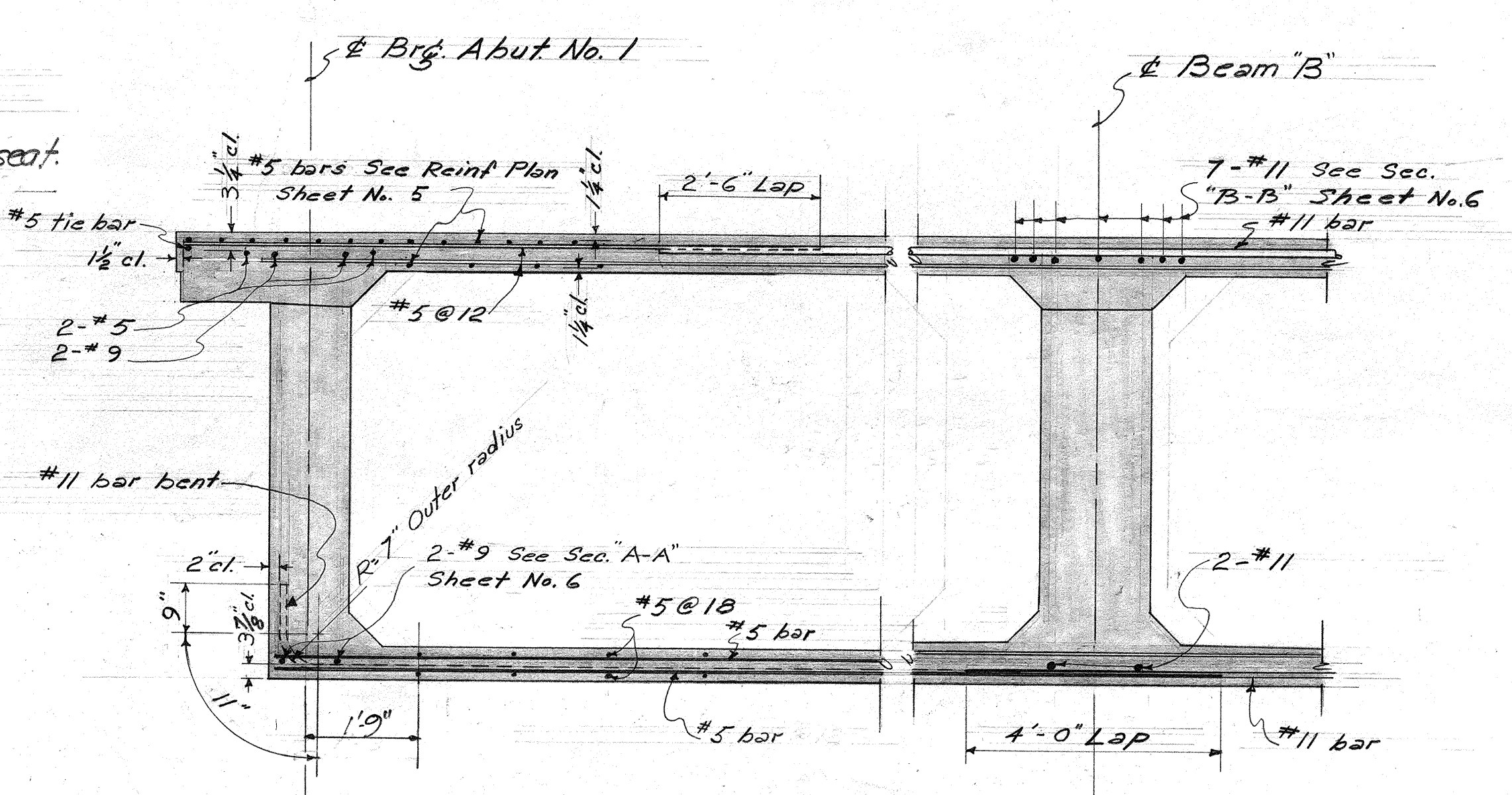
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-013-2(6)	1955	24	60



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

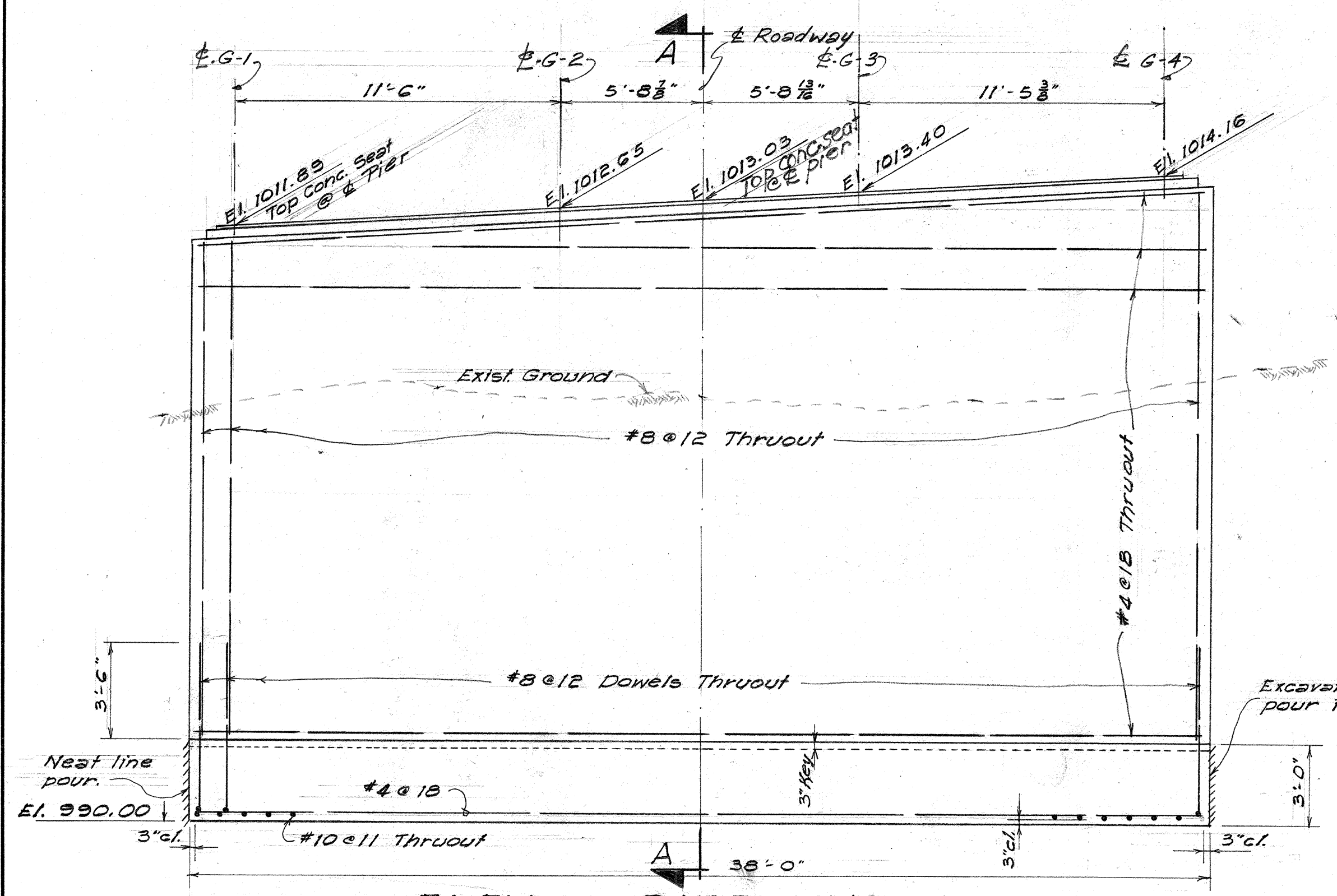


CONC. SEAT DETAIL
Scale: 1" = 1'-0"

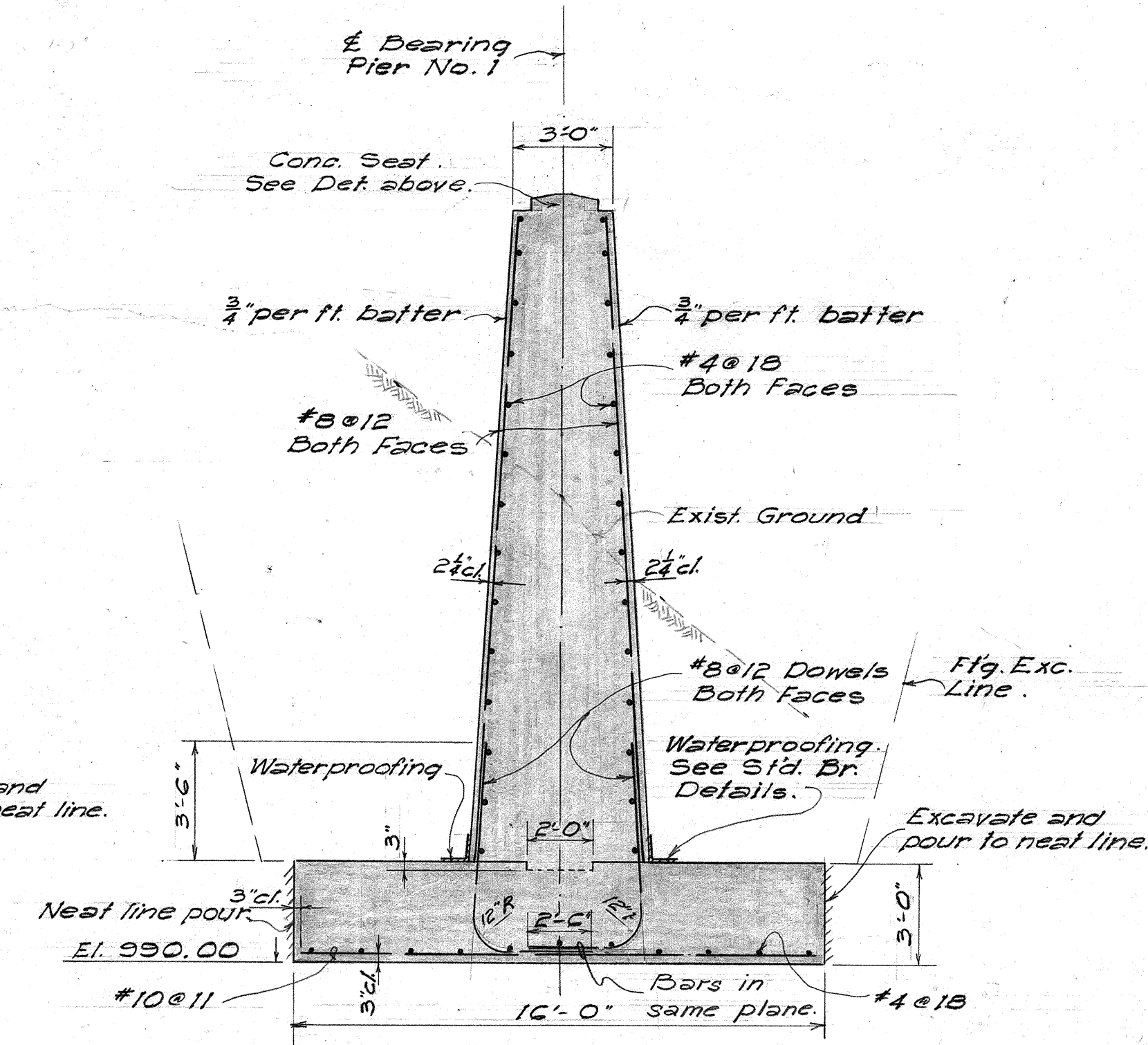


SECTION A-A (Sht. #4)
Scale: 1/2" = 1'-0"

SECTION B-B (Sht. #4)
Scale: 1/2" = 1'-0"



ELEV ~ PIER NO. 1
Scale: 1/4" = 1'-0"

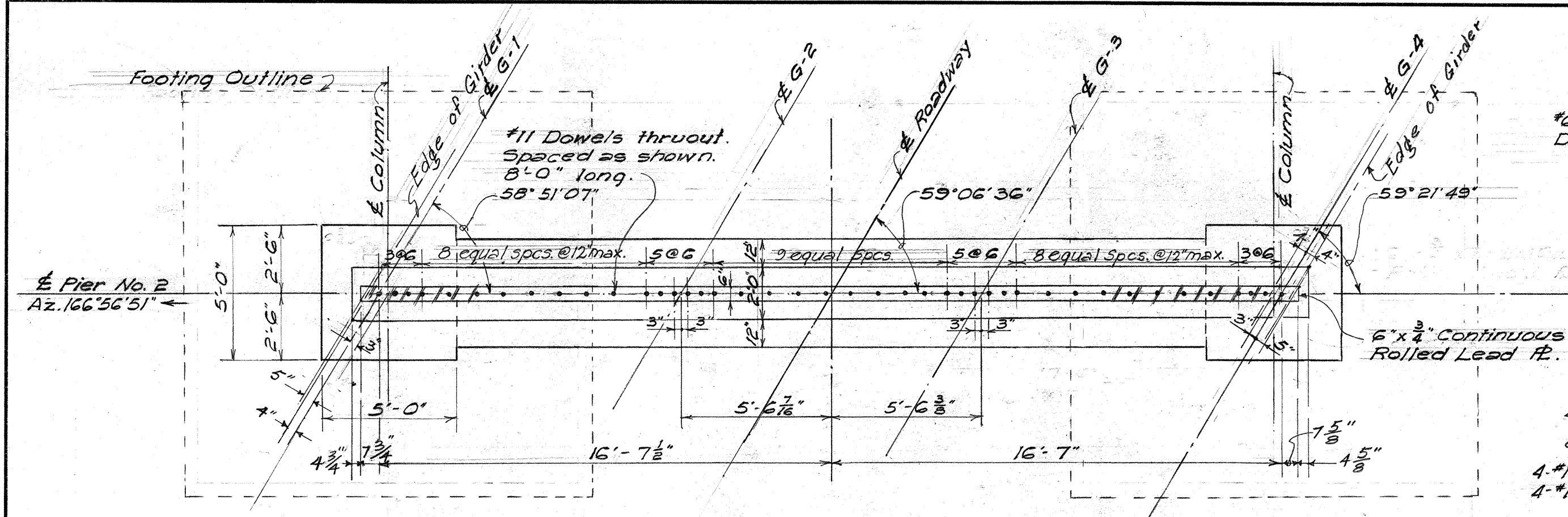


SECTION A-A
Scale: 1/4" = 1'-0"

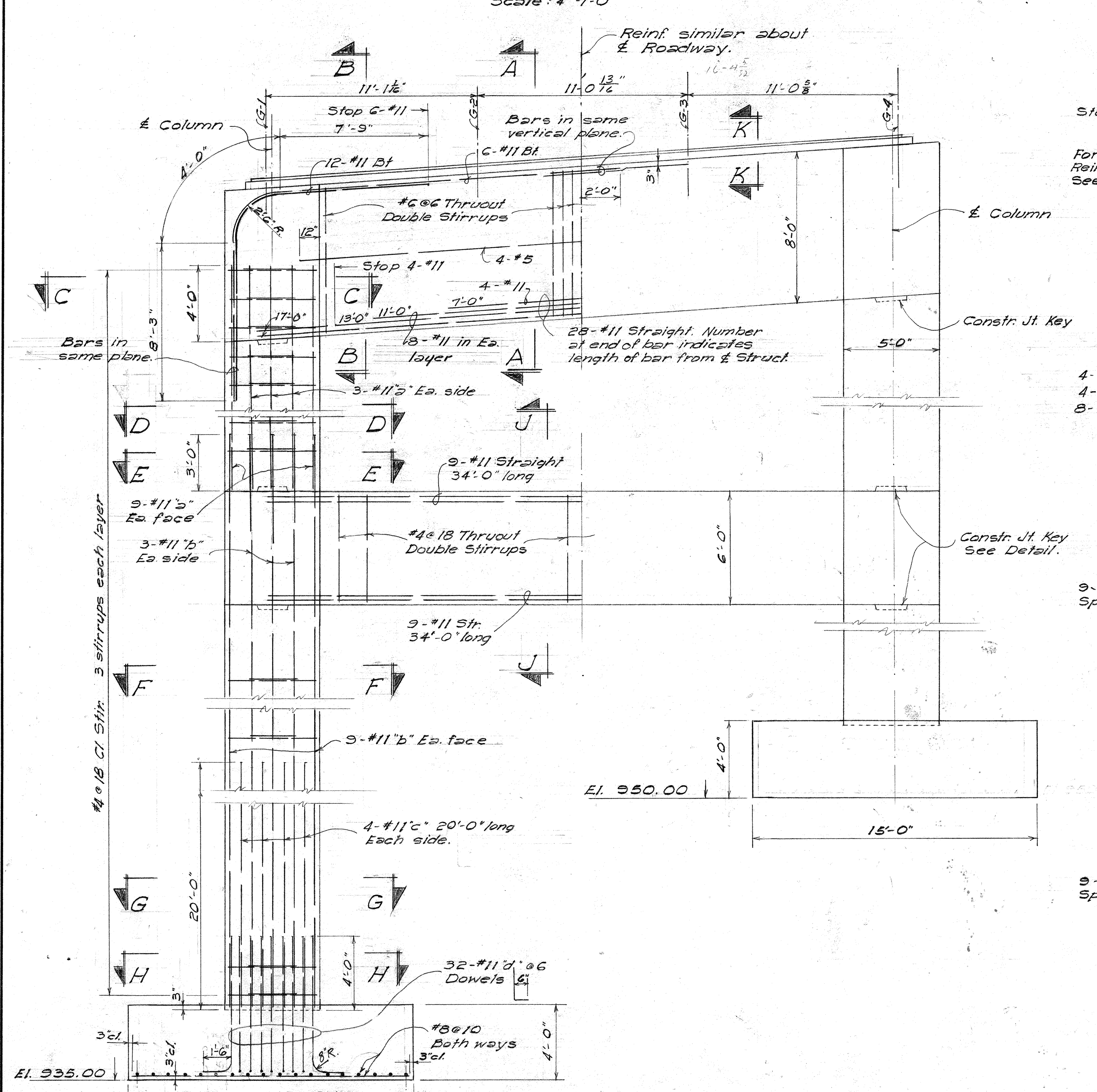
SURVEY PLOTTED BY	DATE
DESIGNED BY	12-57
DRAWN BY	12-57
CHECKED BY	
NOTE BOOK	
NO.	

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
KAWAILIILI STREAM BR.
Sta 94+85.78 to Sta 97+03.25
HAWAII BELT RD. F-013-2(6)
Dec. 1957

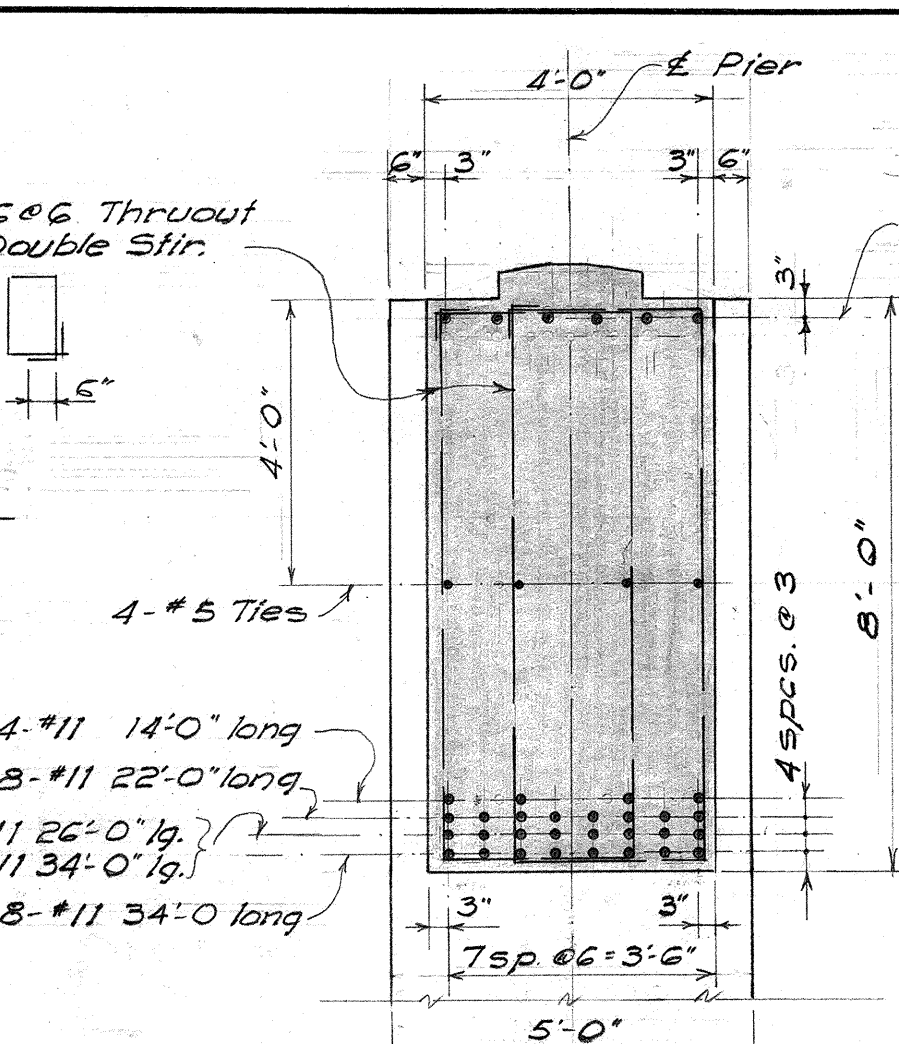
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-019-2(6)	1956	25	60



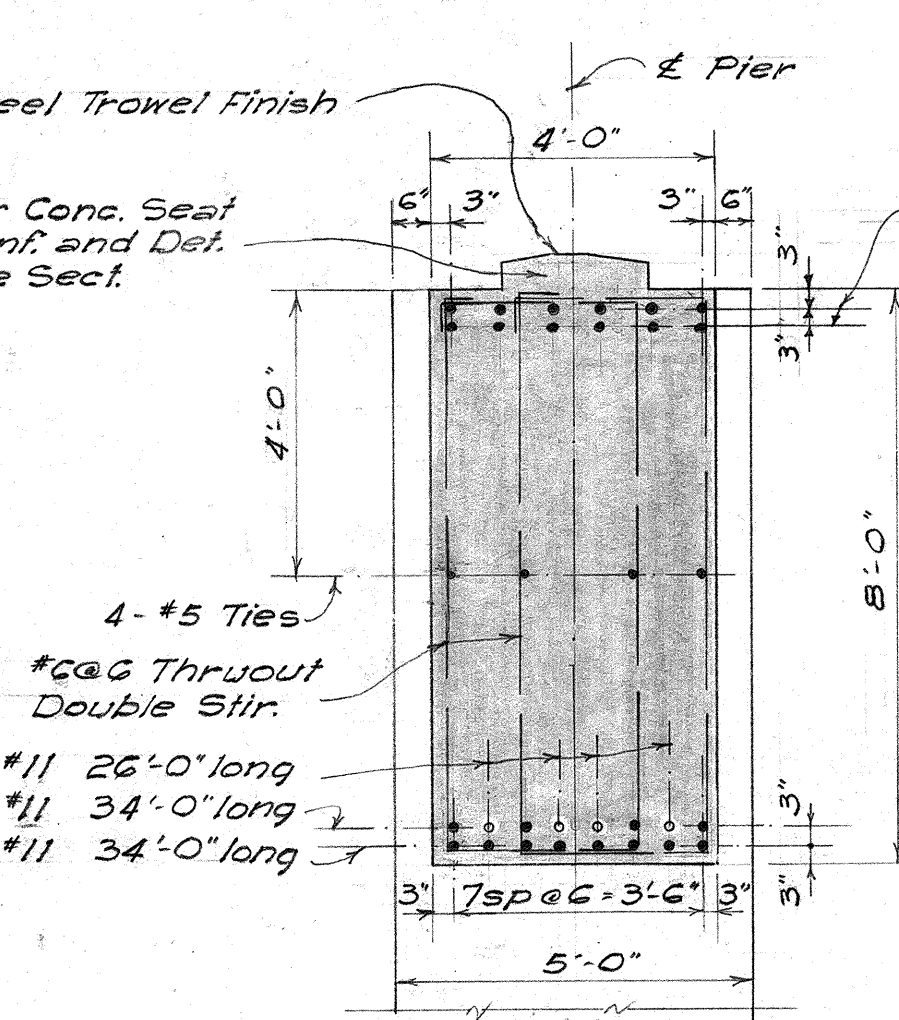
PLAN ~ PIER NO. 2
Scale: 1/4" = 1'-0"



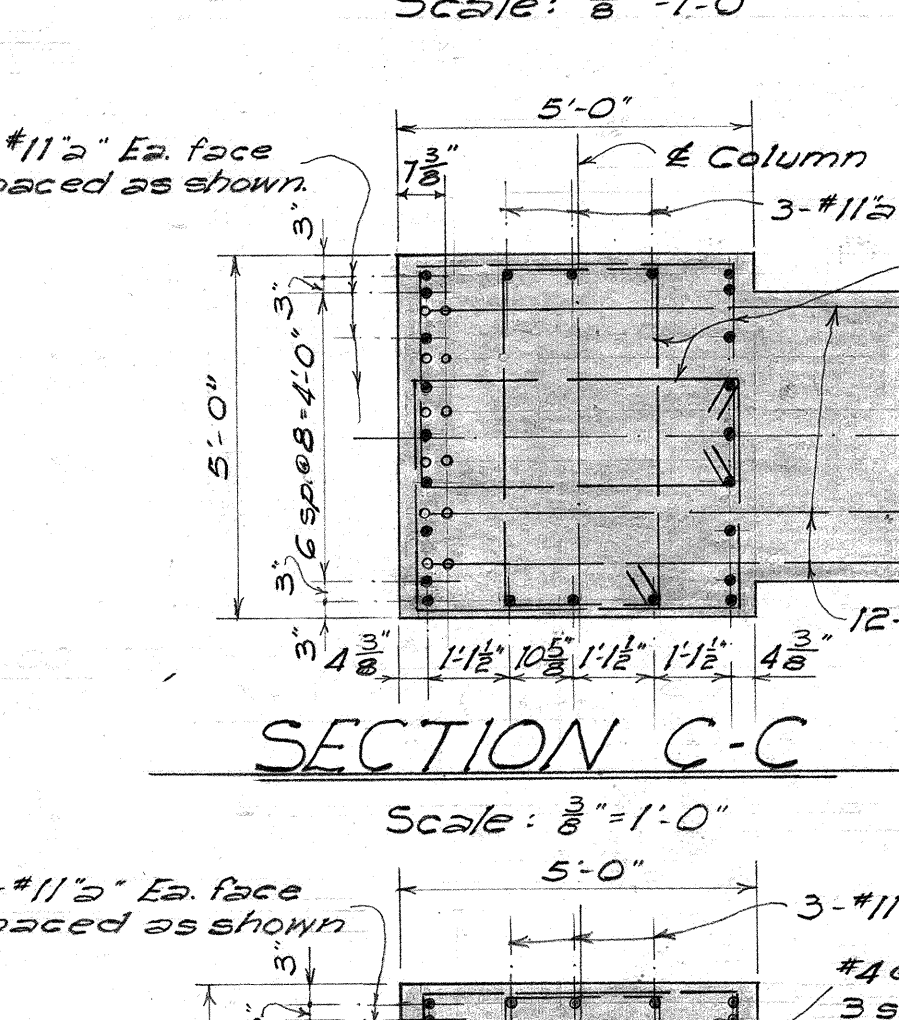
PART ELEVATION ~ PIER NO. 2
Scale: 1/4" = 1'-0"



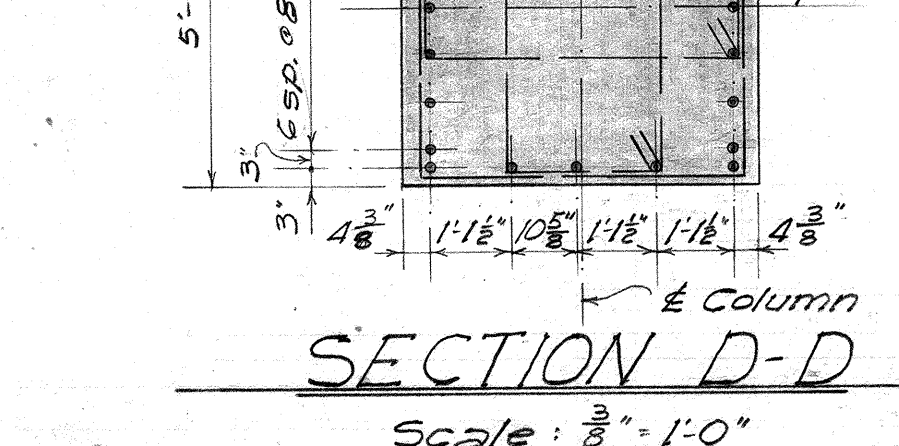
SECTION A-A
Scale: 3/8" = 1'-0"



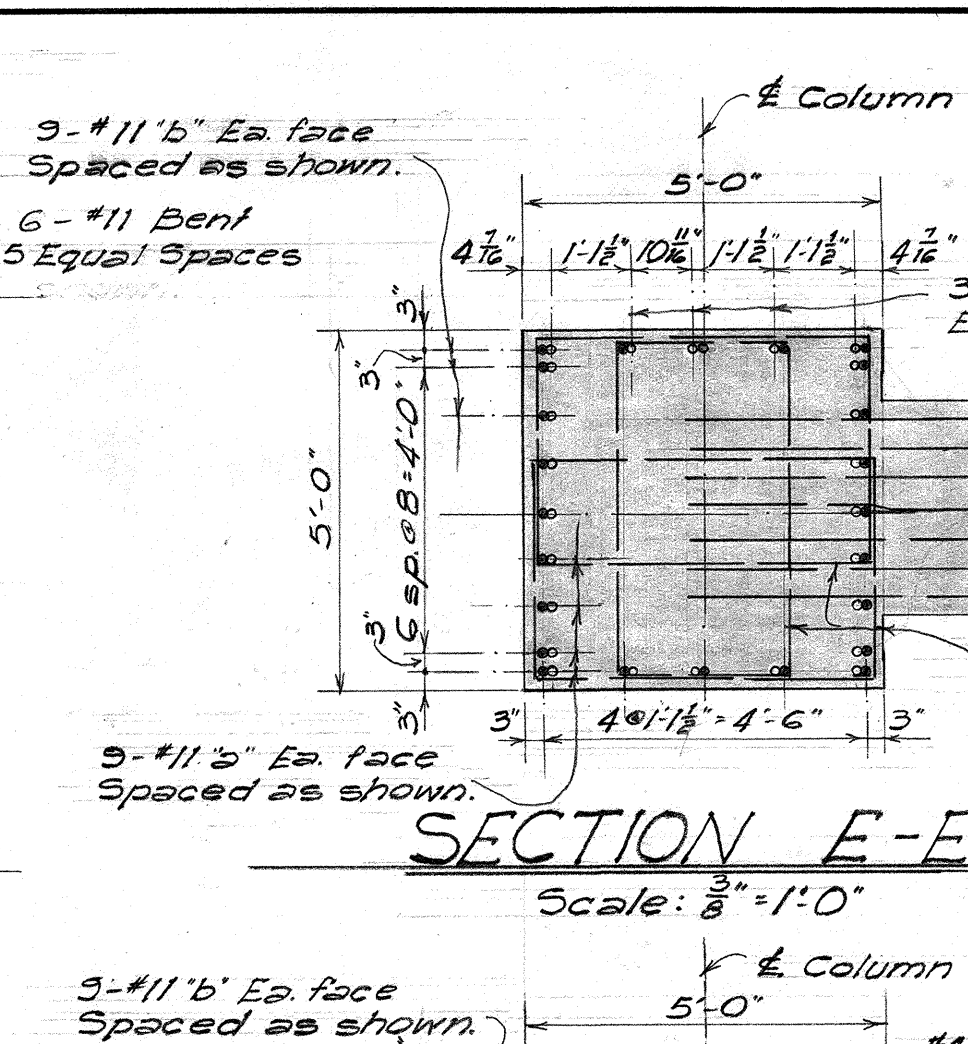
SECTION B-B
Scale: 3/8" = 1'-0"



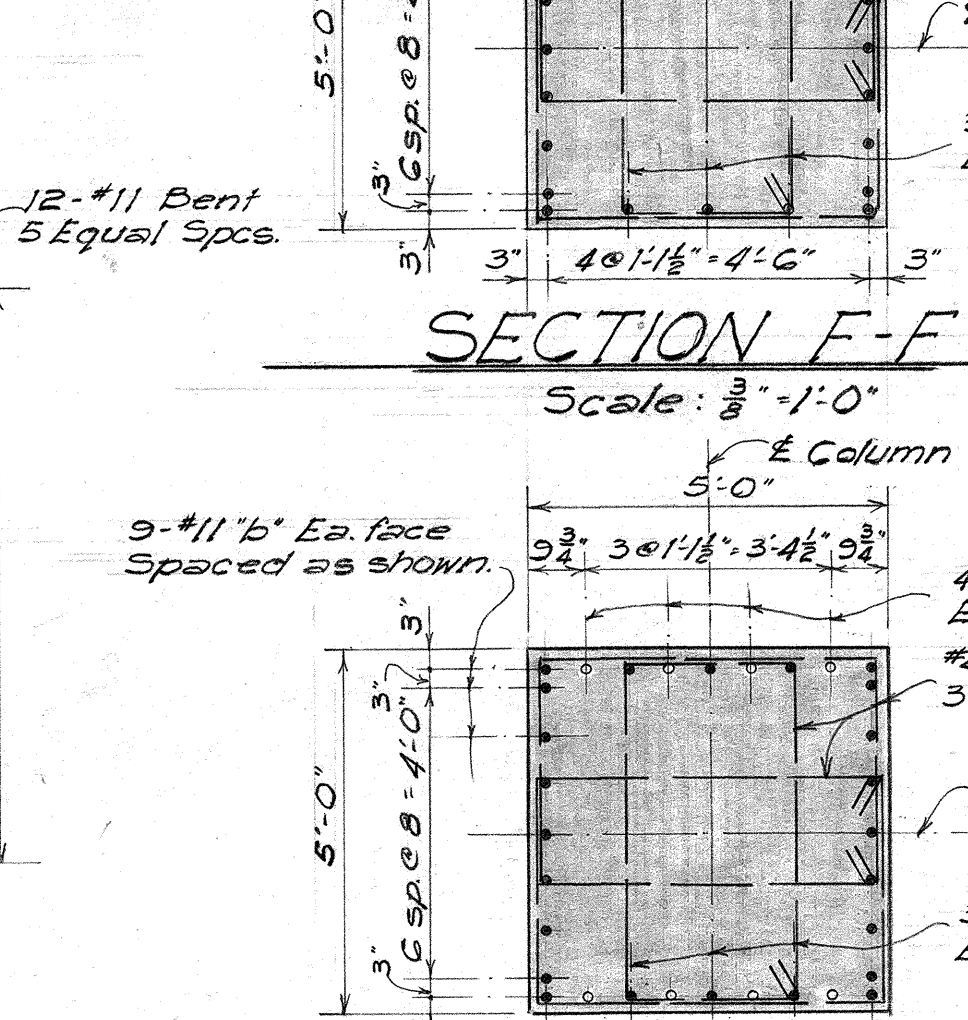
SECTION C-C
Scale: 3/8" = 1'-0"



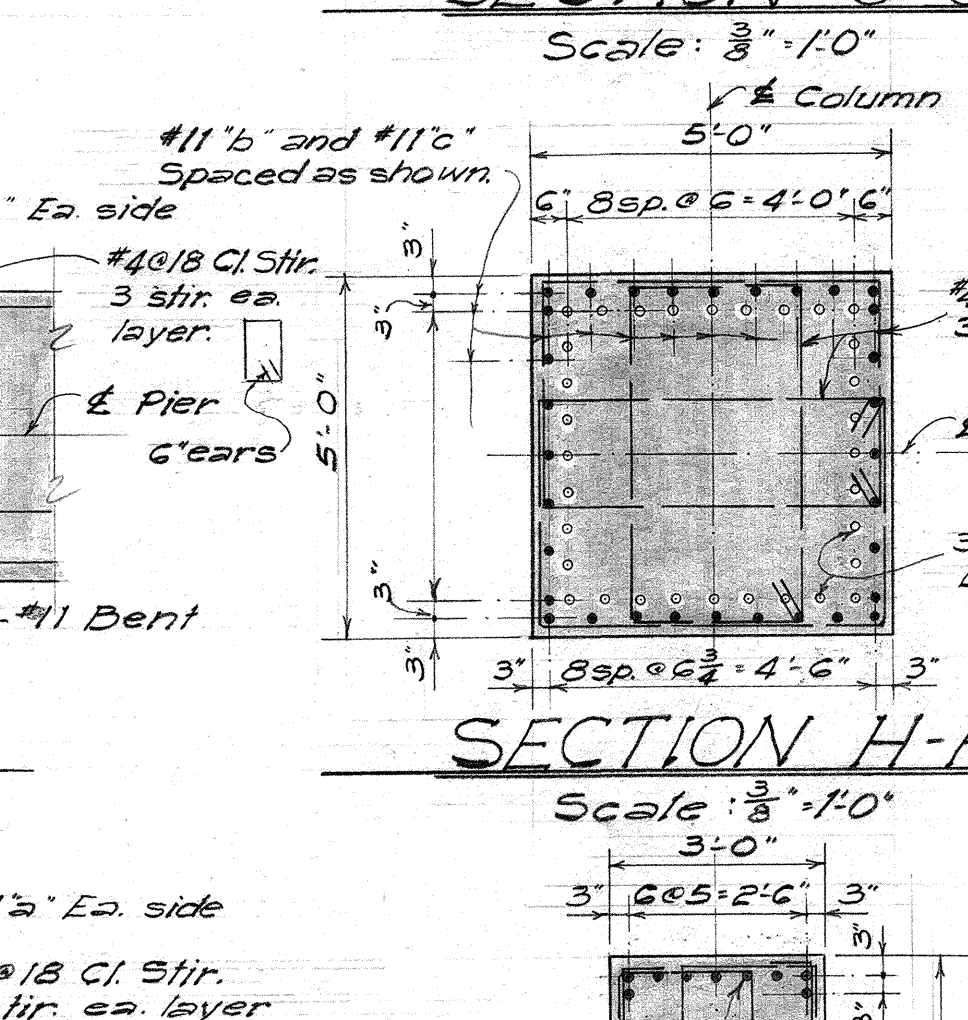
SECTION D-D
Scale: 3/8" = 1'-0"



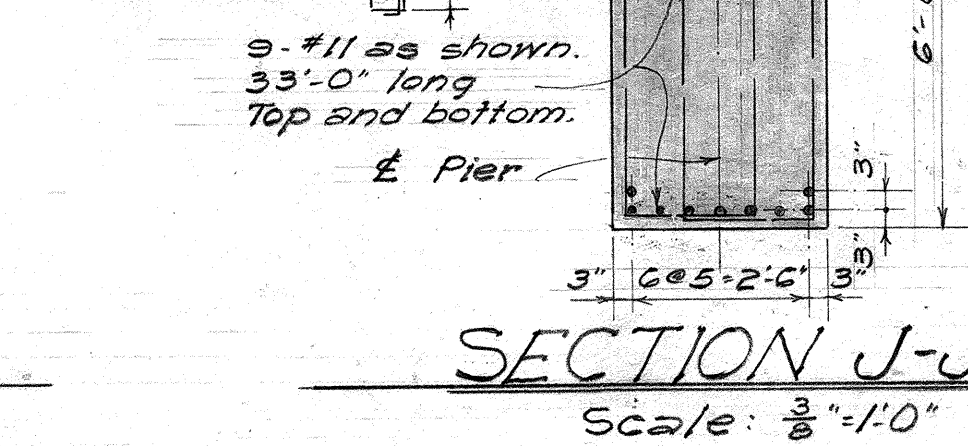
SECTION E-E
Scale: 3/8" = 1'-0"



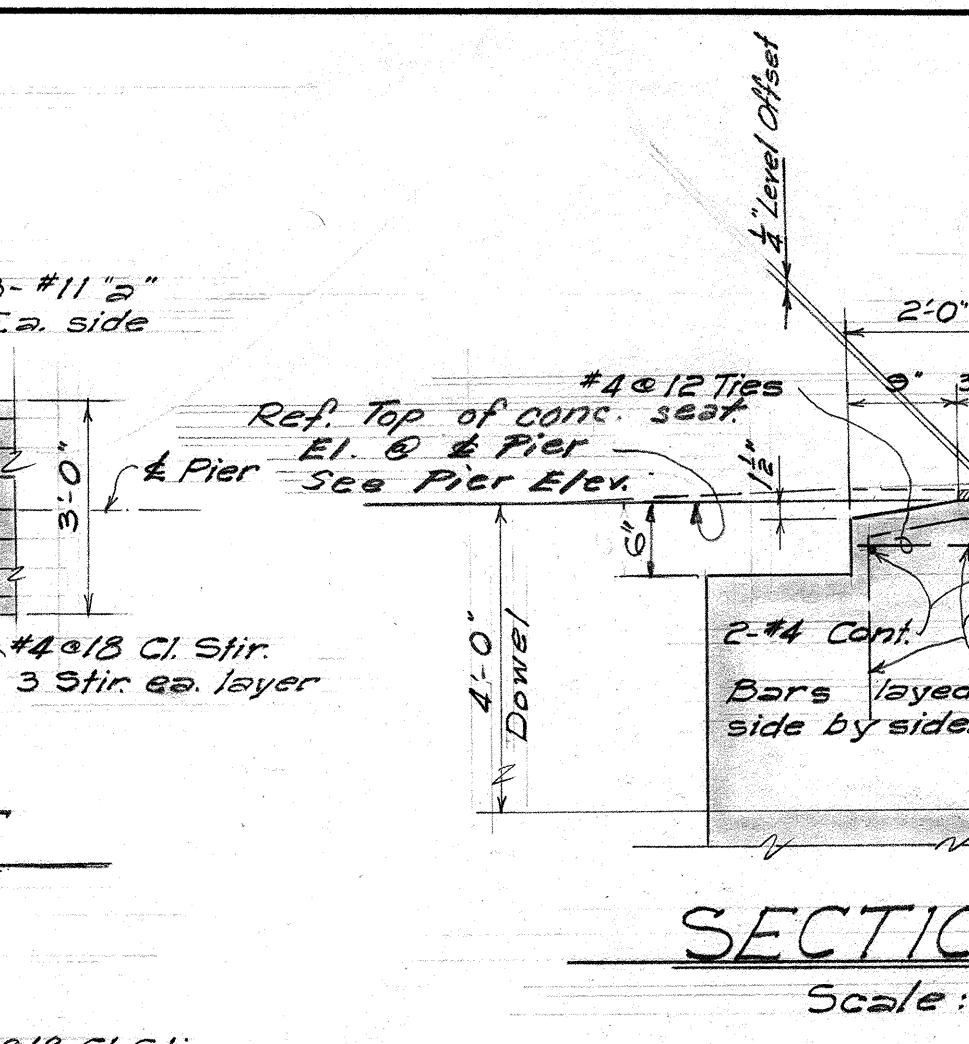
SECTION F-F
Scale: 3/8" = 1'-0"



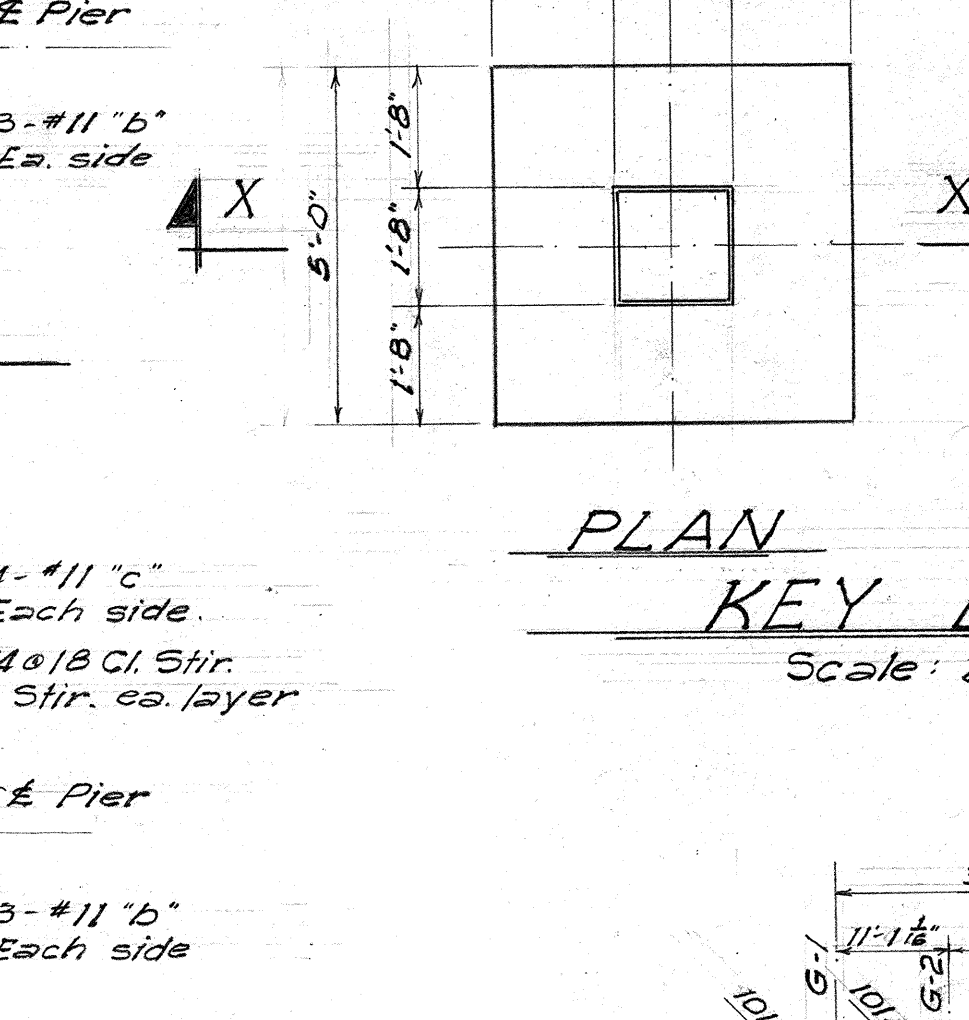
SECTION G-G
Scale: 3/8" = 1'-0"



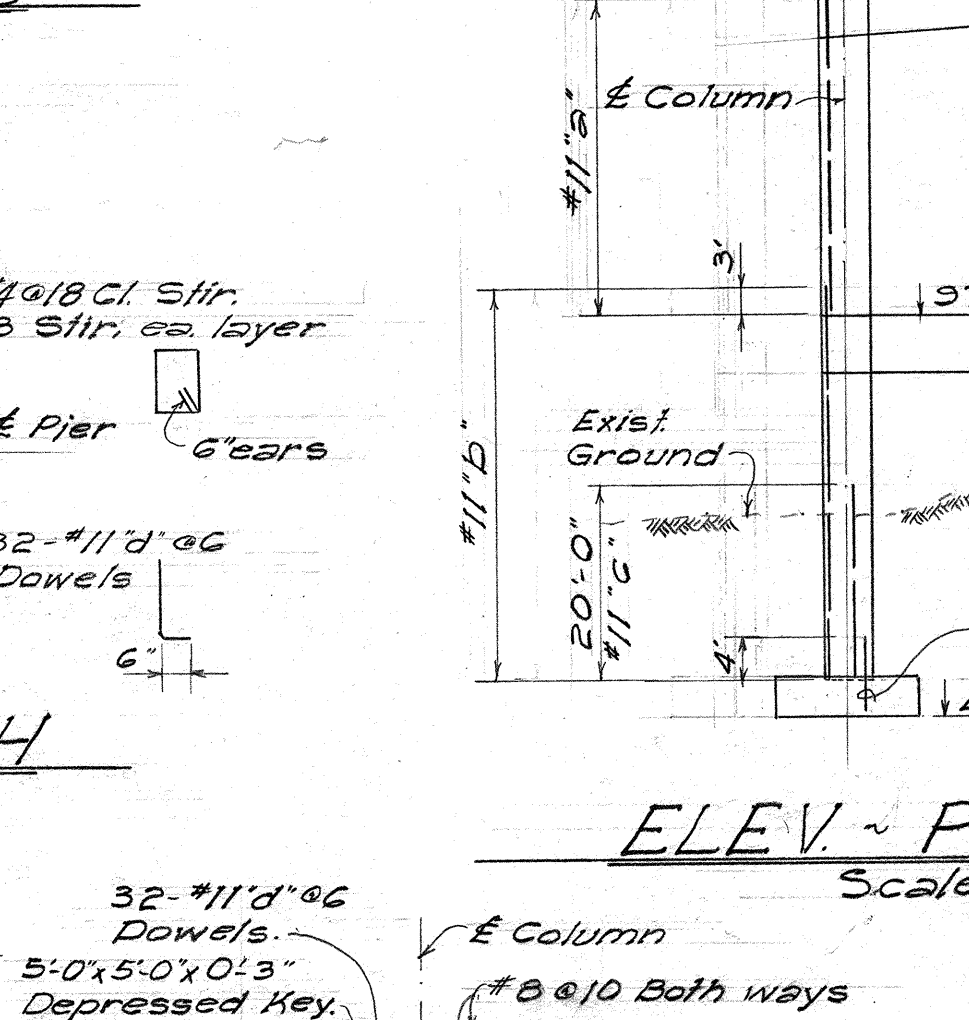
SECTION H-H
Scale: 3/8" = 1'-0"



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



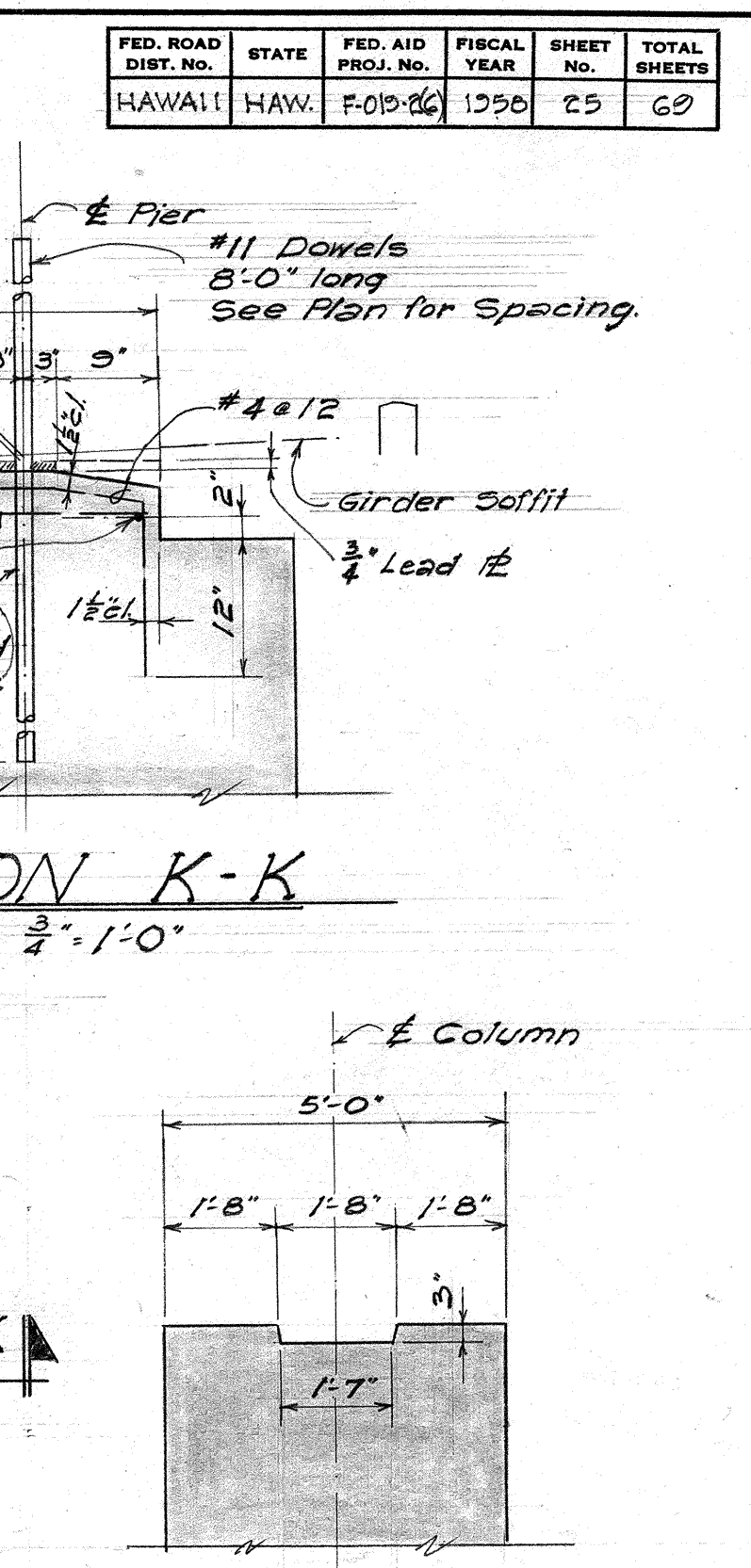
SECTION J-J
Scale: 3/8" = 1'-0"



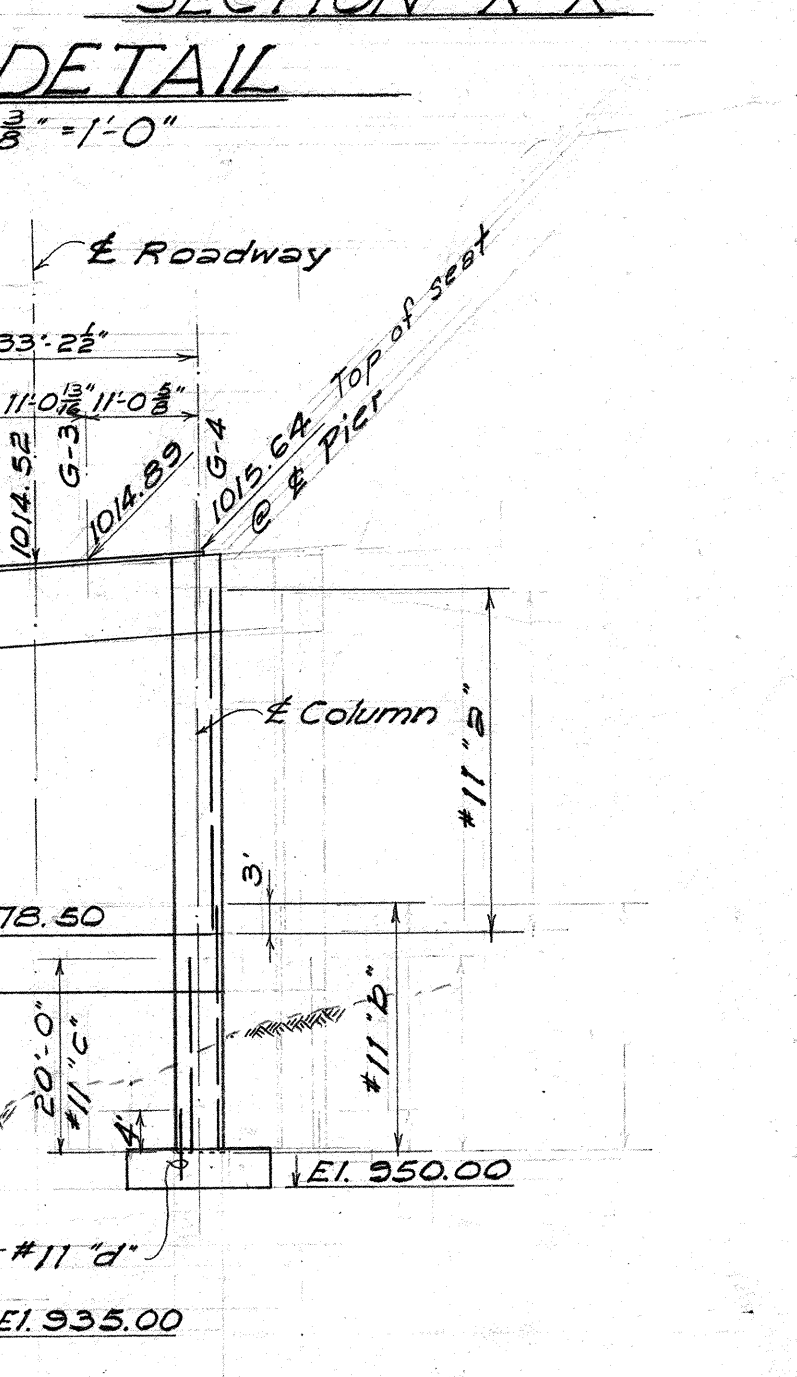
SECTION K-K
Scale: 3/8" = 1'-0"



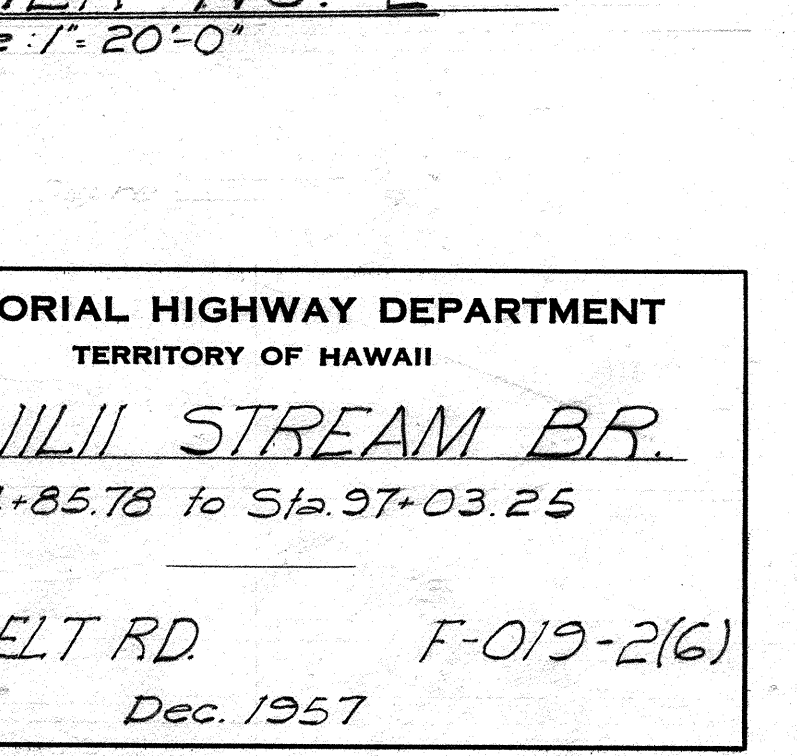
SECTION L-L
Scale: 3/8" = 1'-0"



PLAN ~ PIER NO. 2
Scale: 1/4" = 1'-0"



ELEV ~ PIER NO. 2
Scale: 1" = 20'-0"

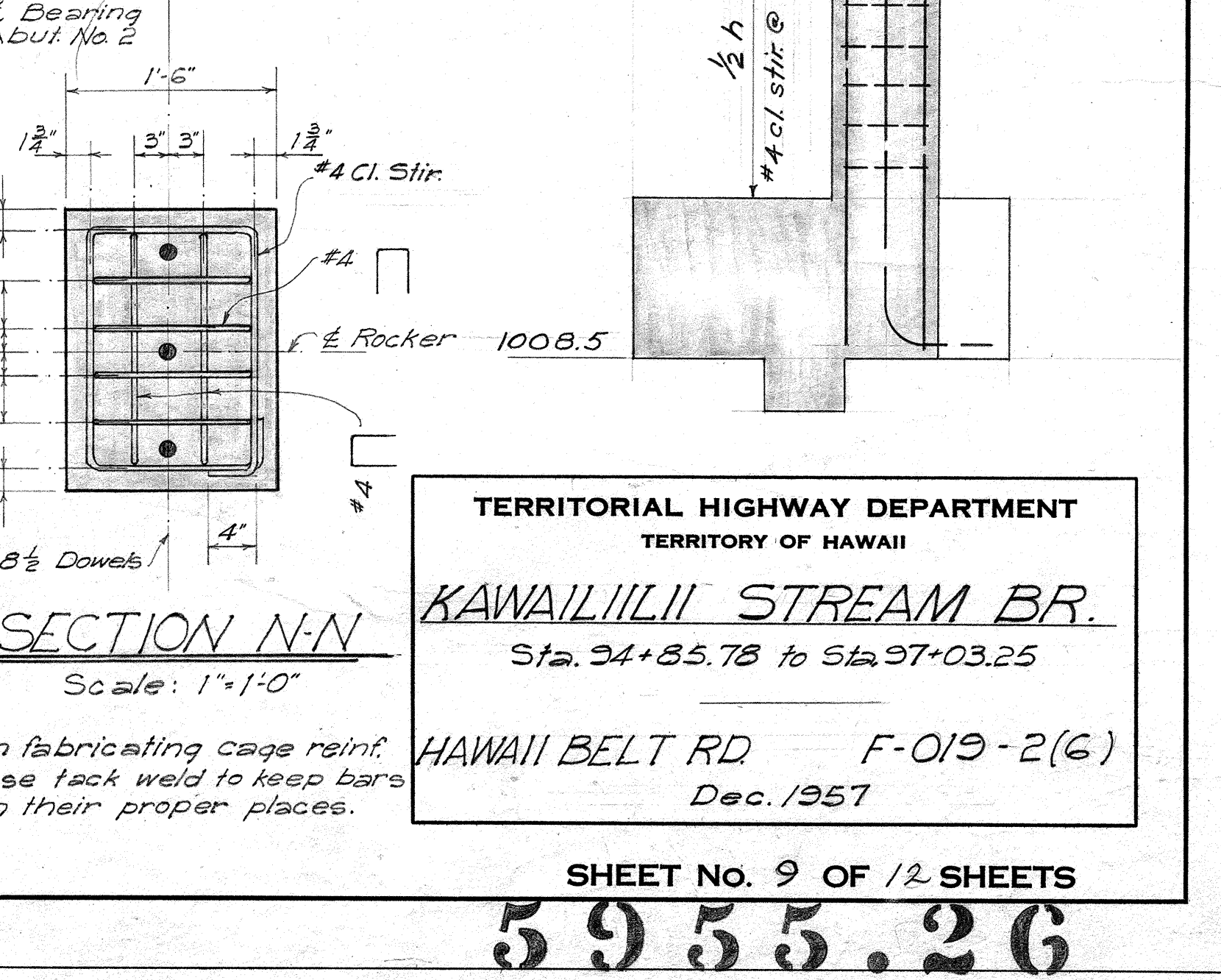
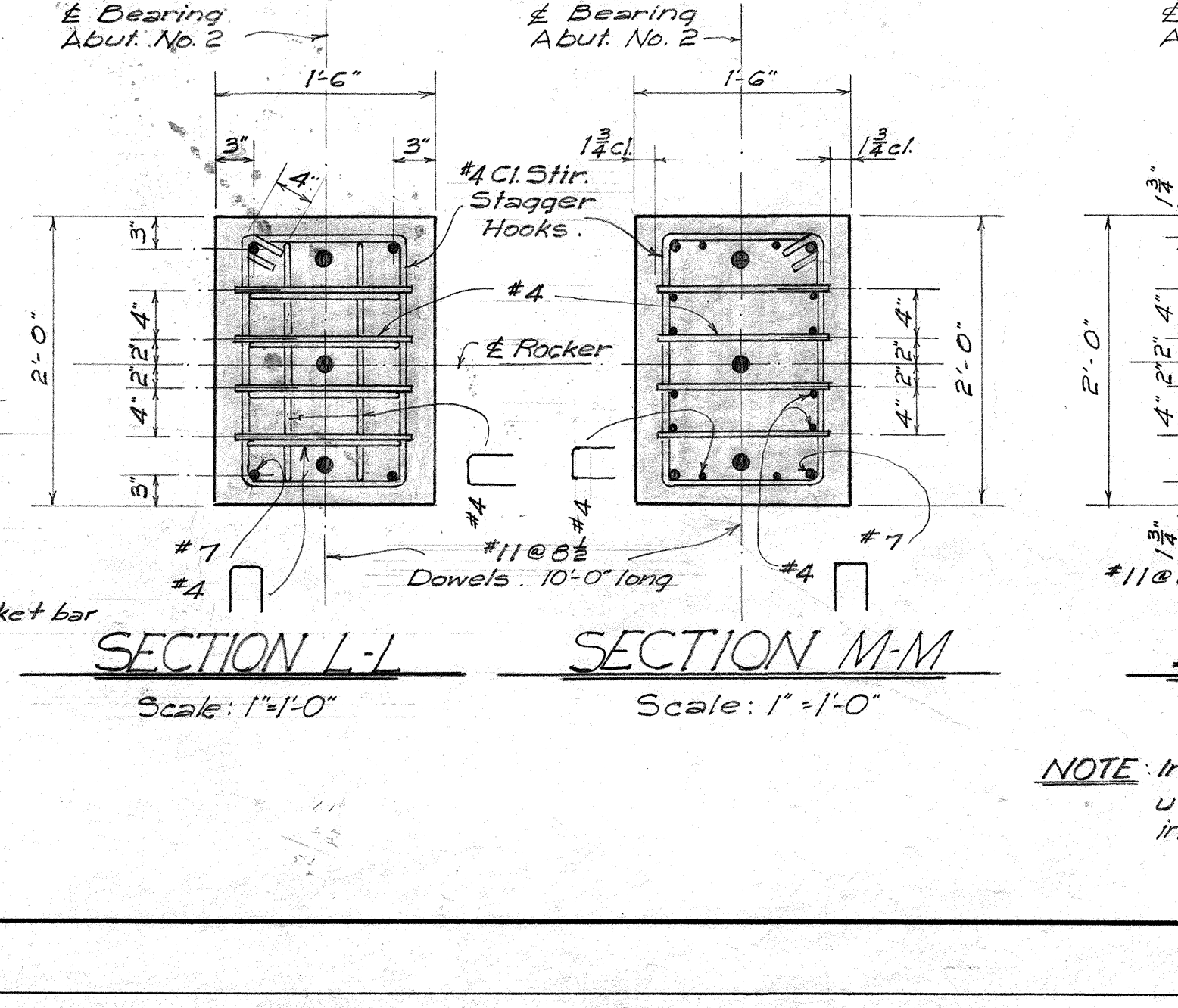
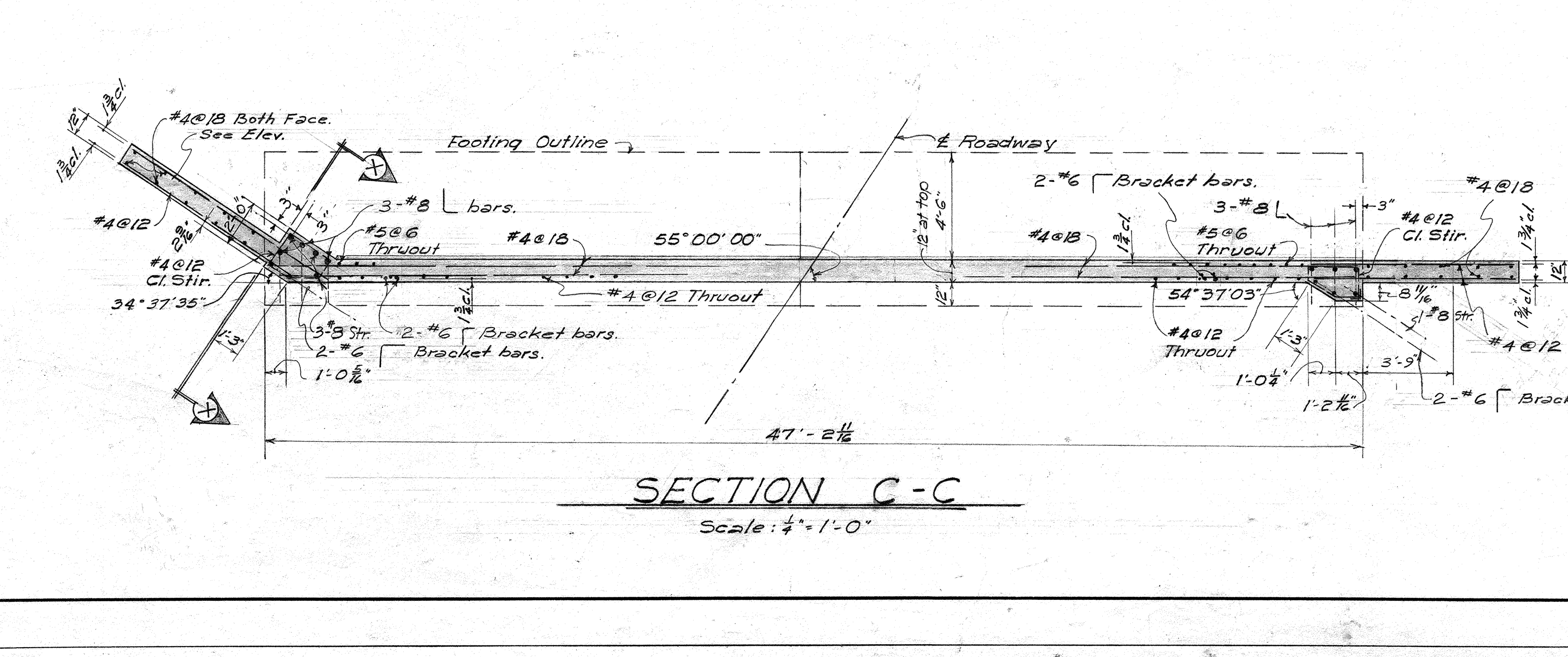
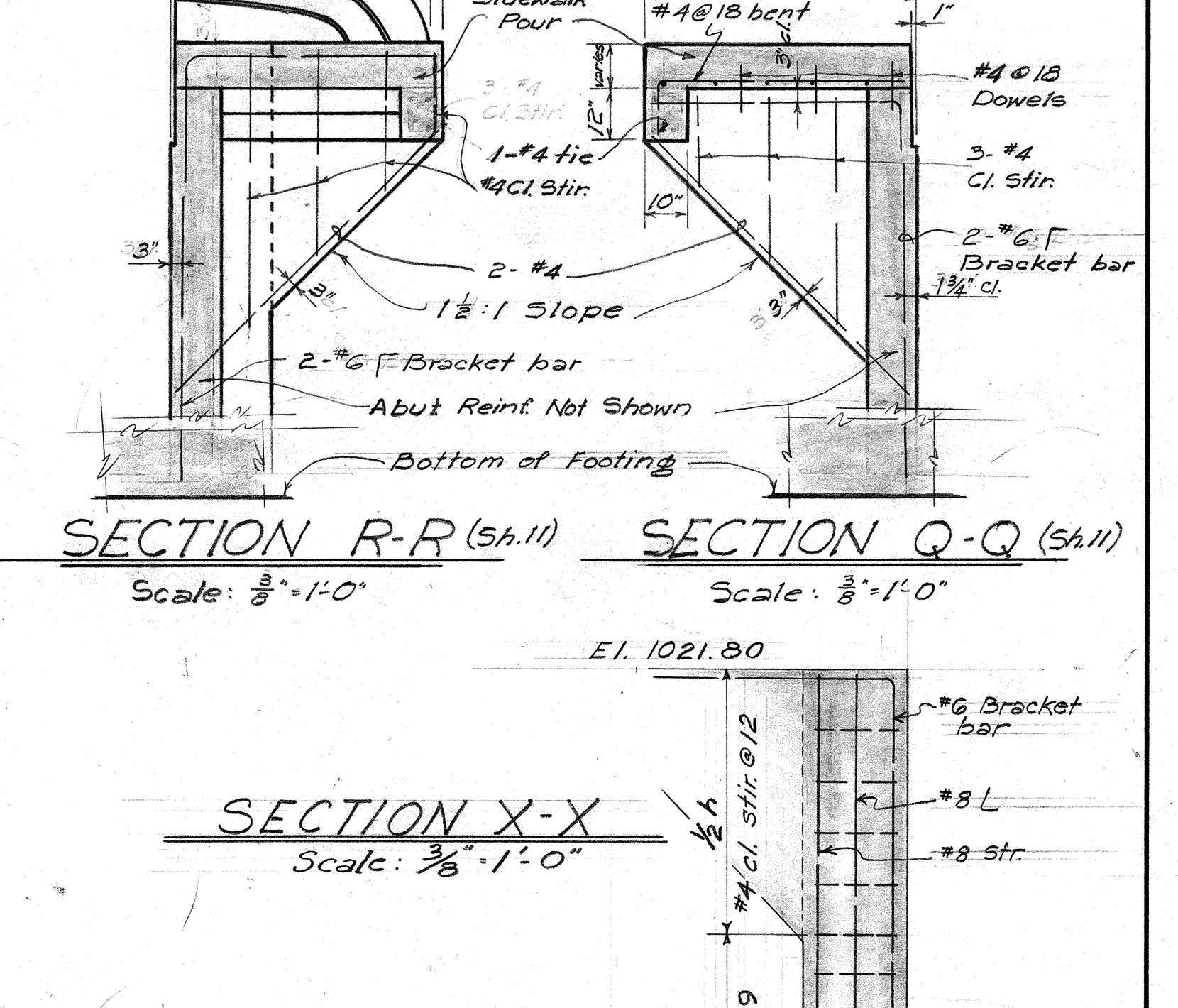
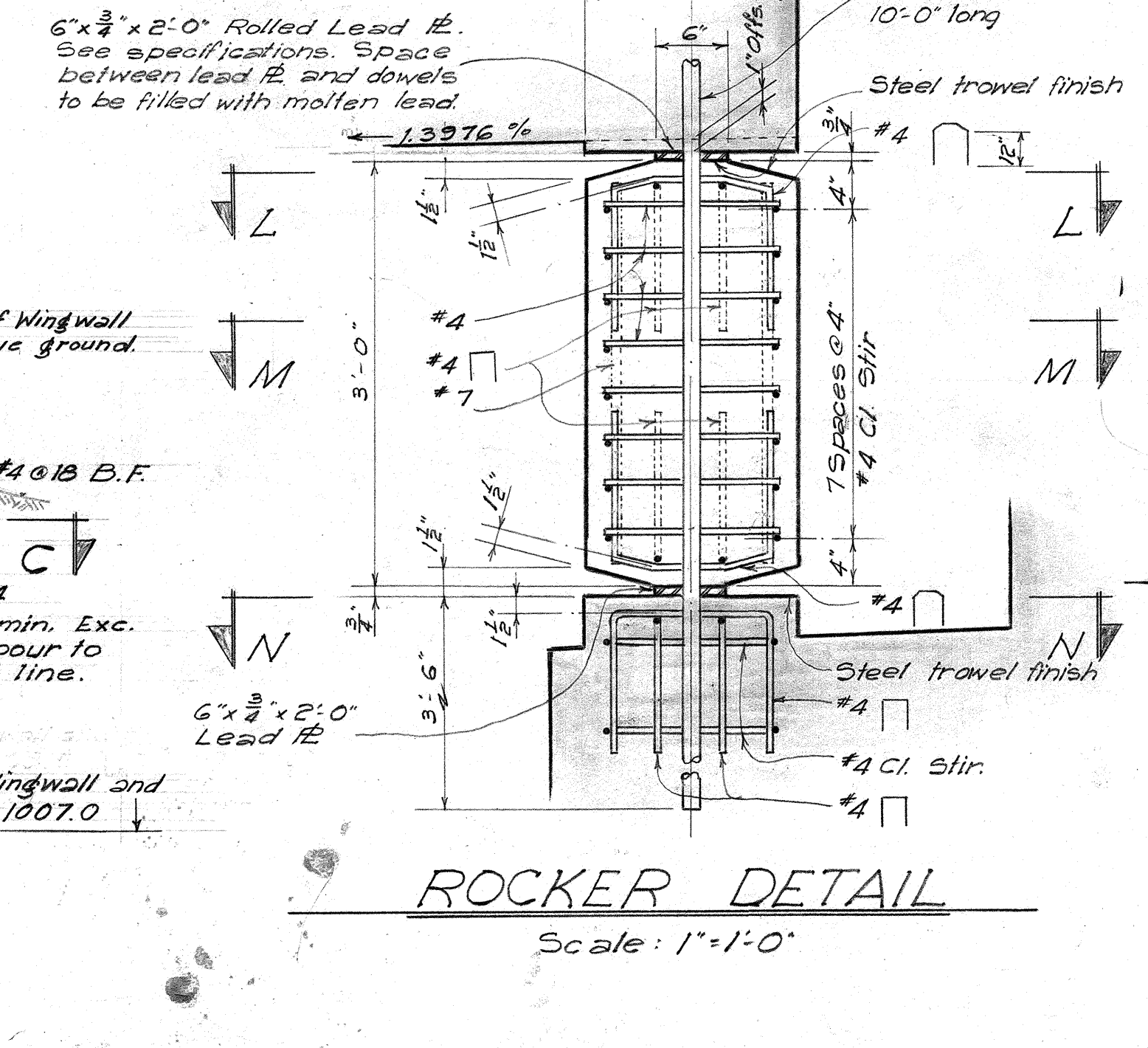
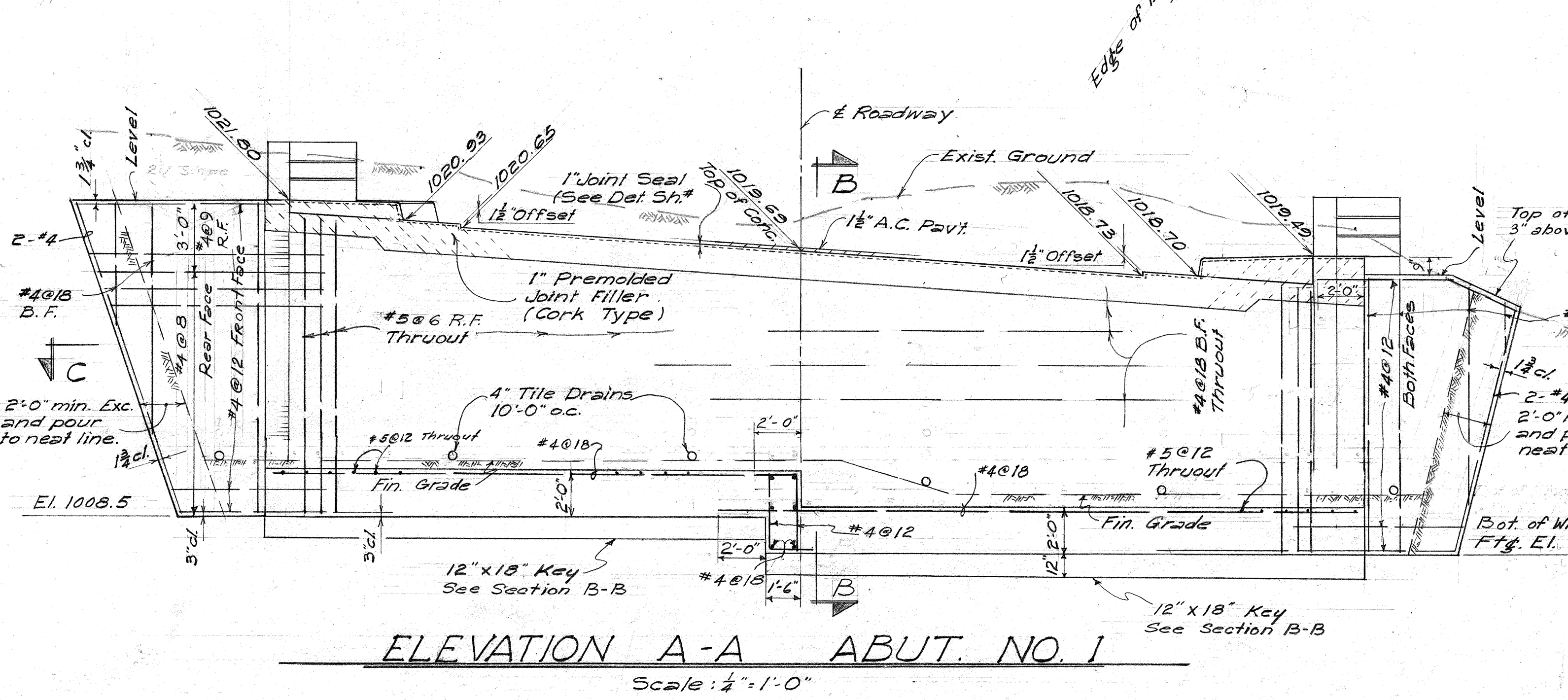
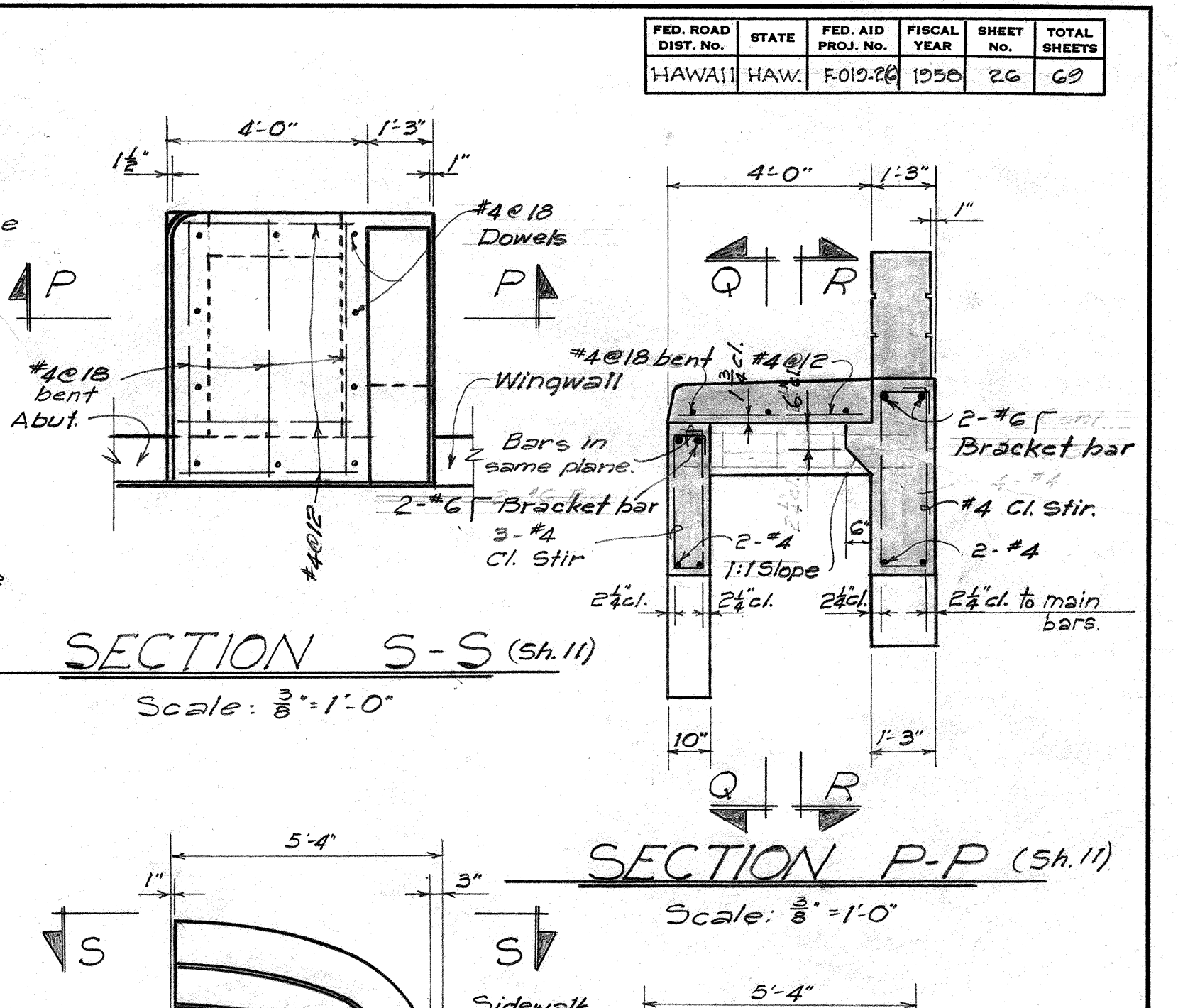
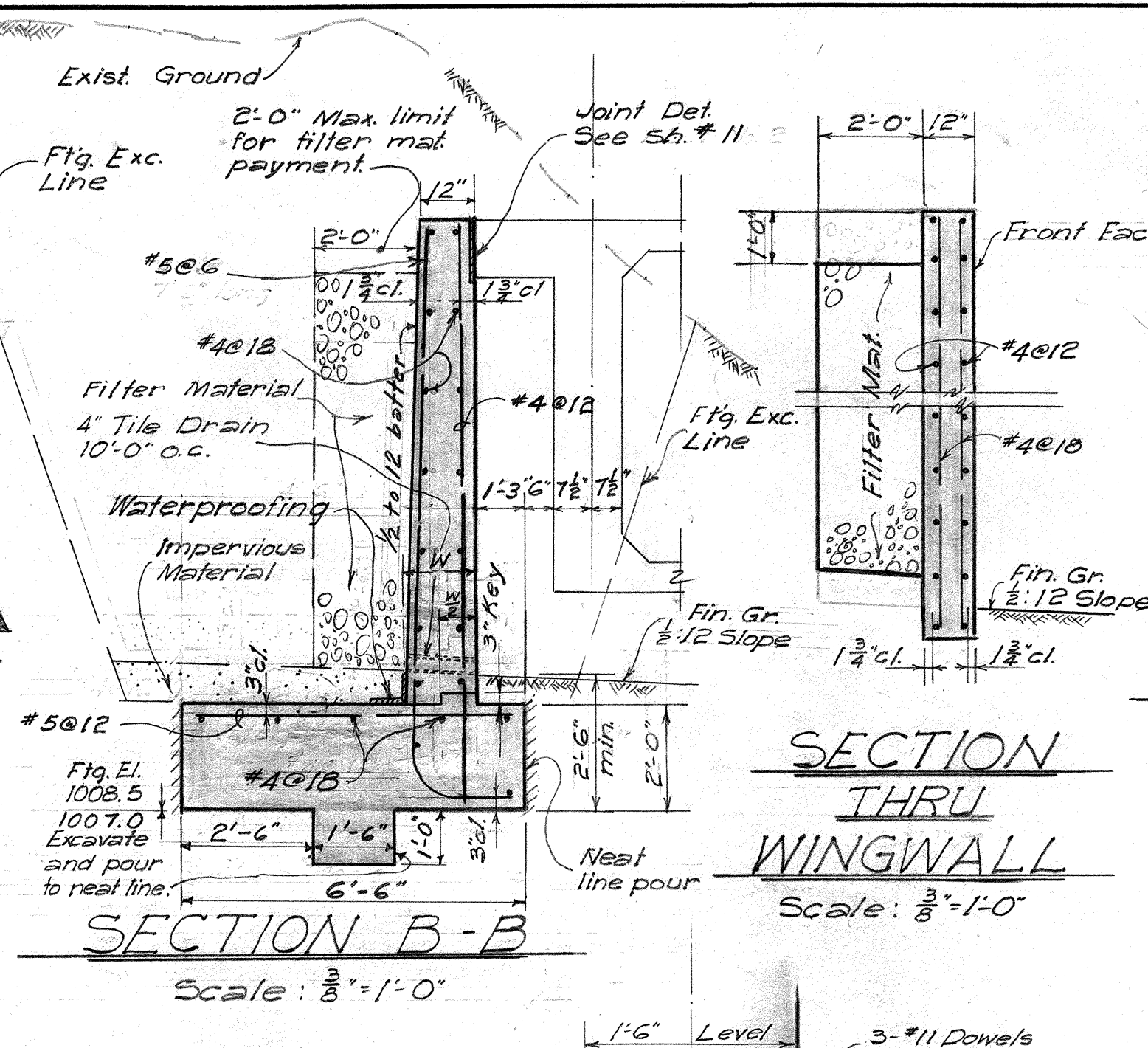
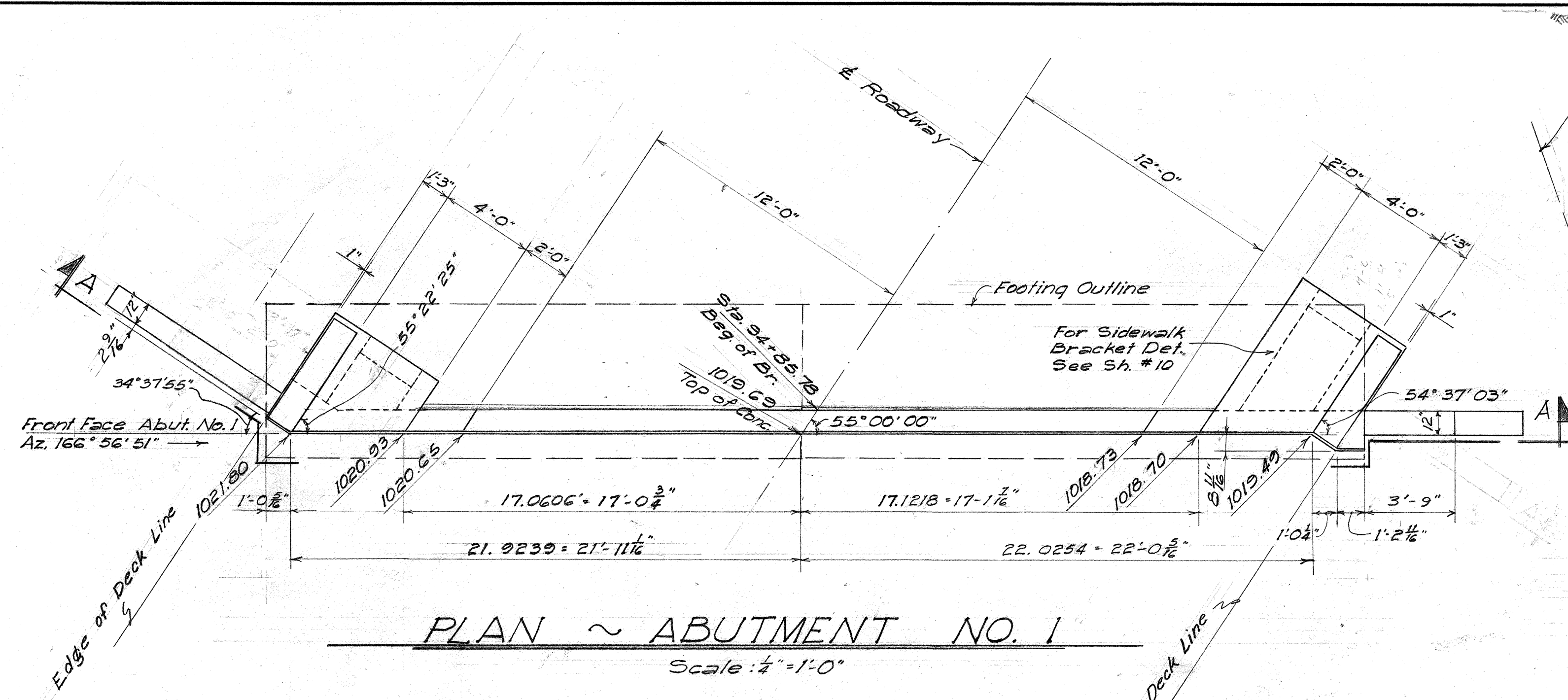


KEY DETAIL
Scale: 3/8" = 1'-0"

DATE	11-57
DESIGNED BY	W. J. L. L.
DRAWN BY	W. J. L. L.
CHECKED BY	W. J. L. L.
NO.	

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
KAWAILIILI STREAM BR.
Sta 94+85.78 to Sta 97+03.25
HAWAII BELT RD. F-019-2(6)
Dec. 1957

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-019-26	1956	26	69



TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
KAWAILIILII STREAM BR.
Sta. 34+85.78 to Sta. 37+03.25
HAWAII BELT RD F-019-2(6)
Dec. 1957

NOTE: In fabricating cage reinf., use tack weld to keep bars in their proper places.

DATE: 12-27-57
DESIGNED BY: V. C. Wong
DRAWN BY: V. C. Wong
CHECKED BY: V. C. Wong
NOTED BY: V. C. Wong
QUANTITIES CHECKED BY: V. C. Wong
NO.:

ORIGINAL PLAN	SURVEY PLOTTED BY DESIGNED BY <i>W. King</i> DRAWN BY <i>W. King</i>	DATE " 12-57 " 12-57
NOTE BOOK No.	TRACED BY _____ CHECKED BY _____ QUANTITIES CHECKED BY _____ CHECKED BY _____	" " " "

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII

KAWAILIILI II STREAM BR.

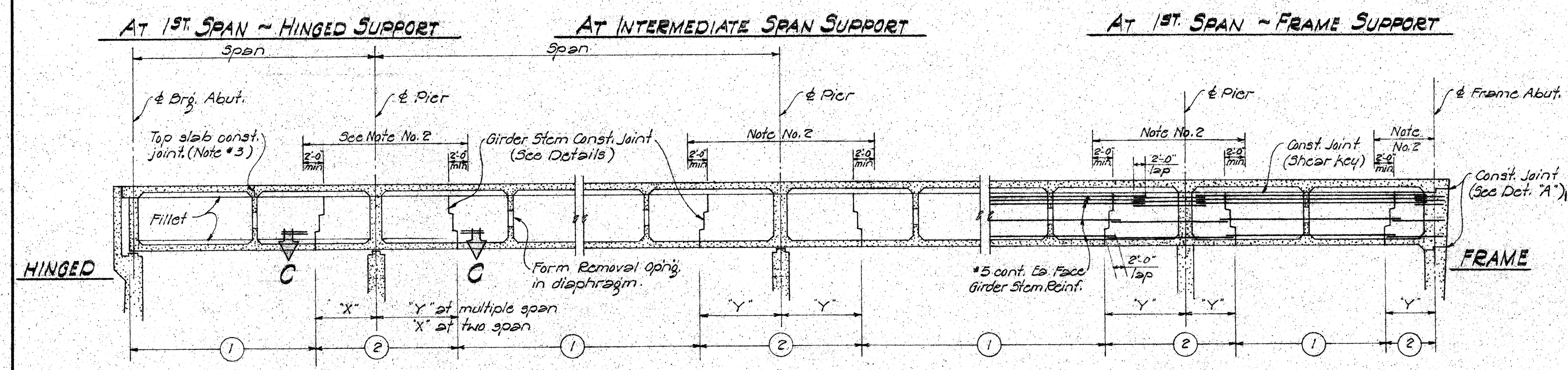
Sta. 34 +85.78 to Sta. 37 +03.25

HAWAII BELT RD. F-013-2(6)

Dec. 1957

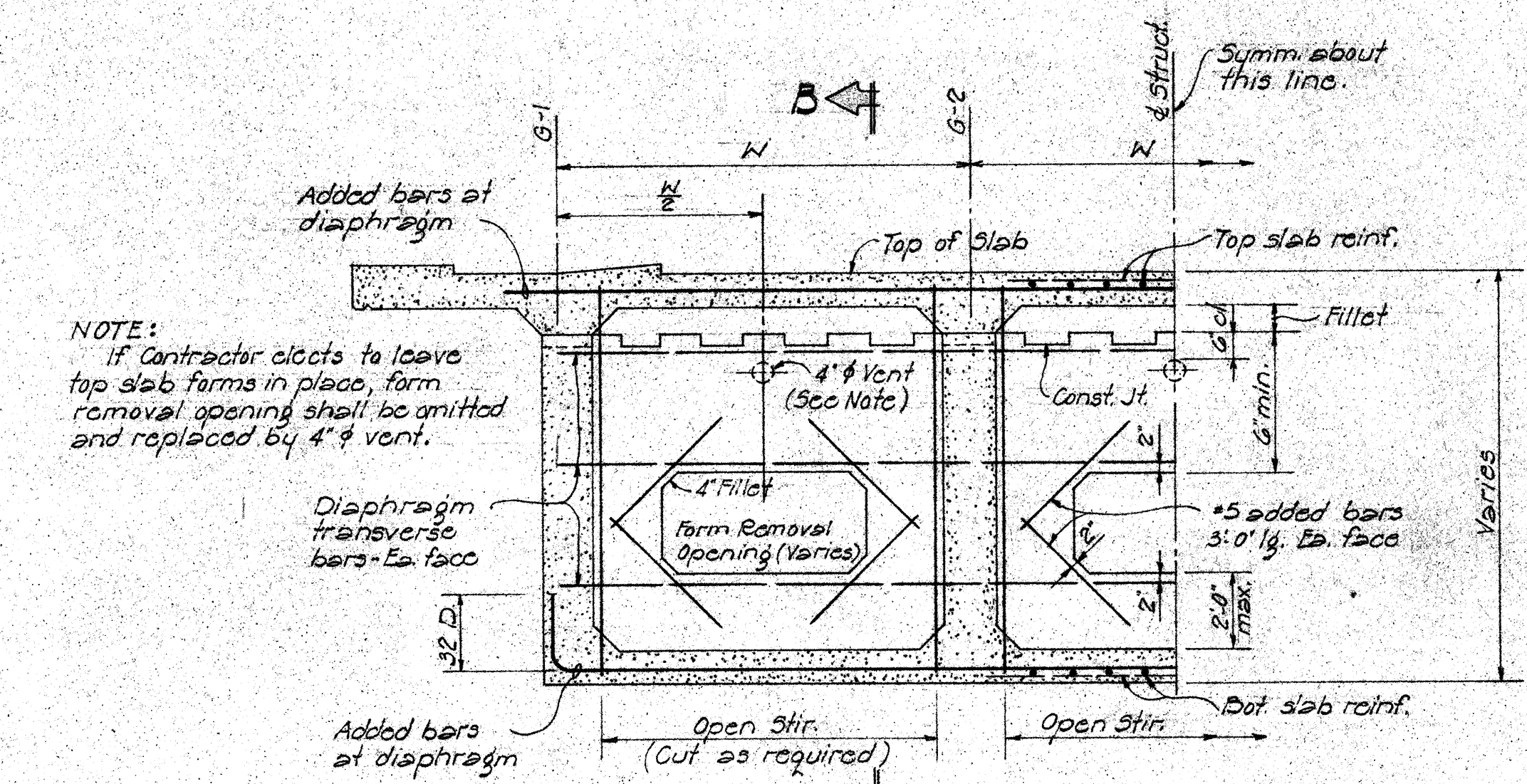
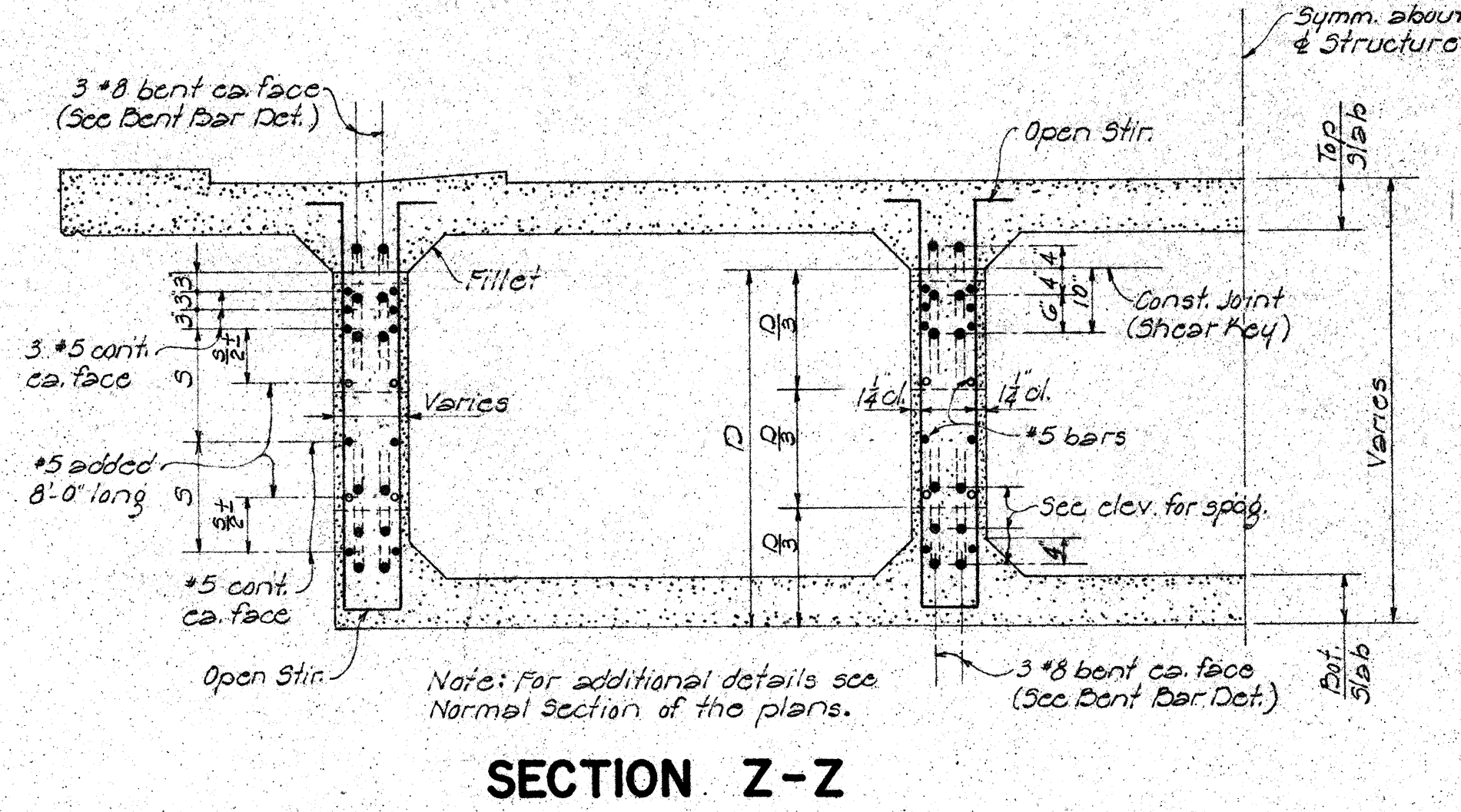
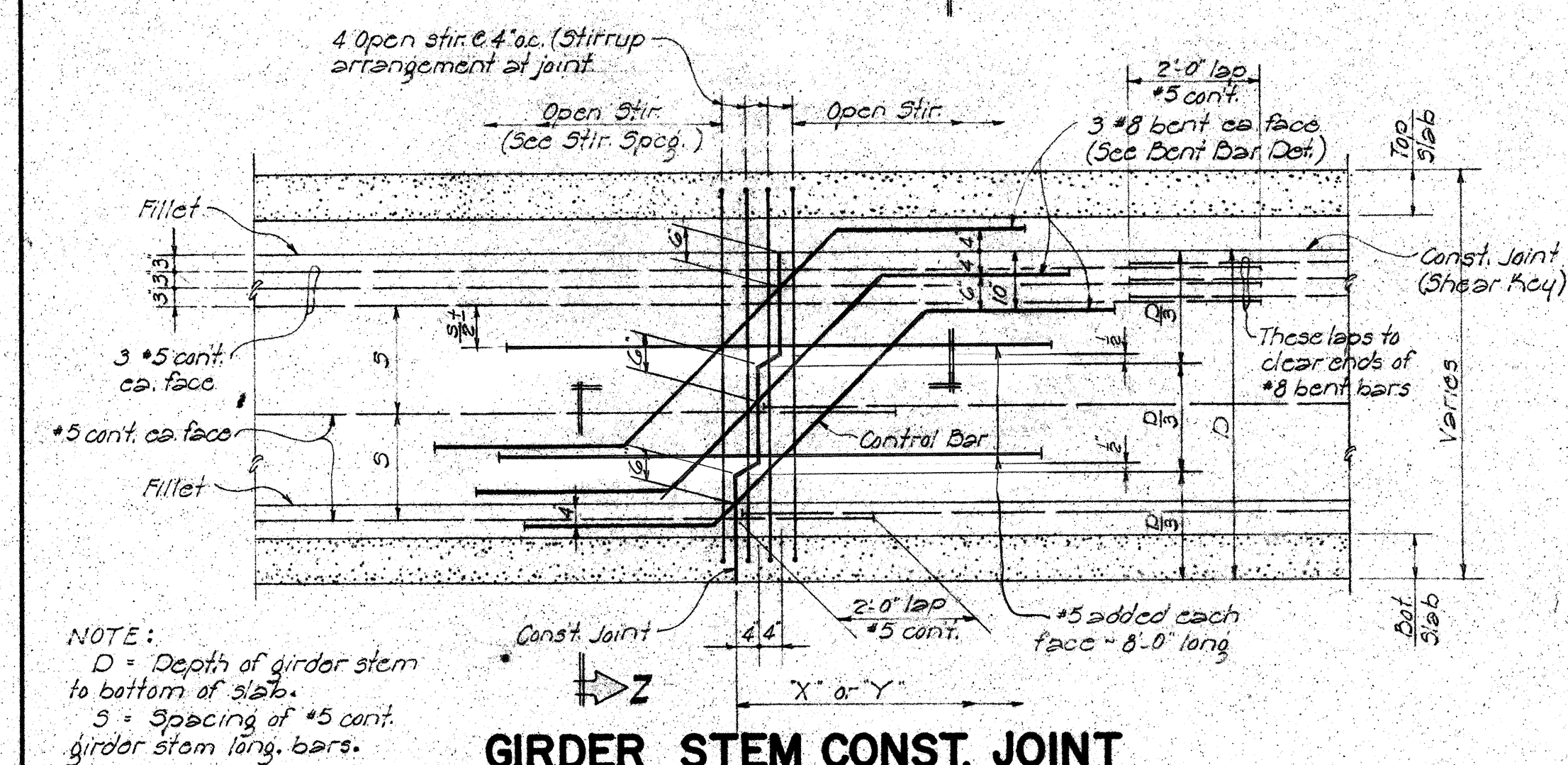
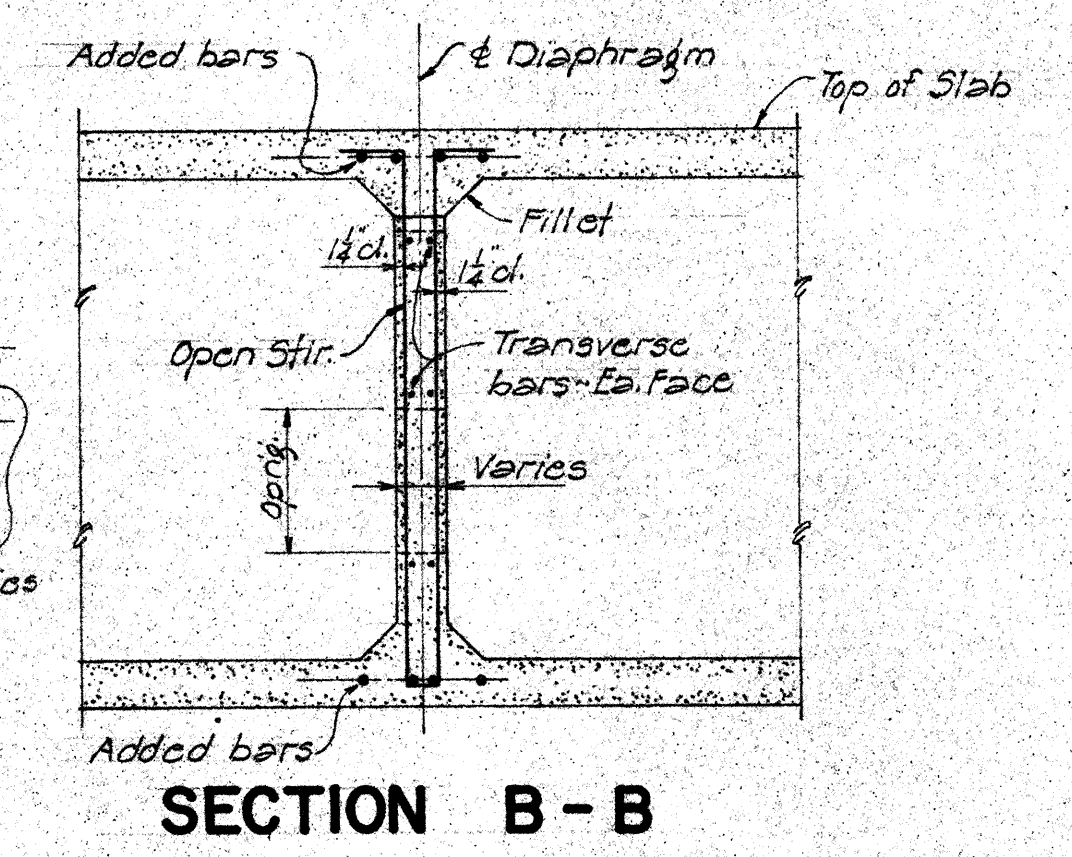
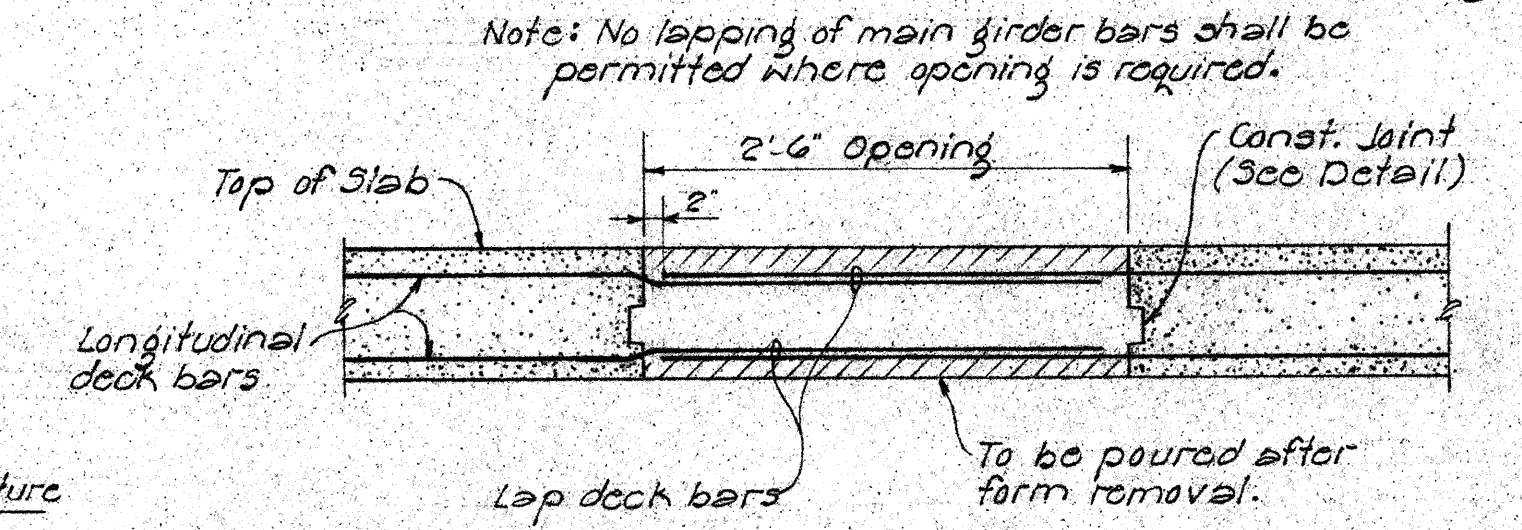
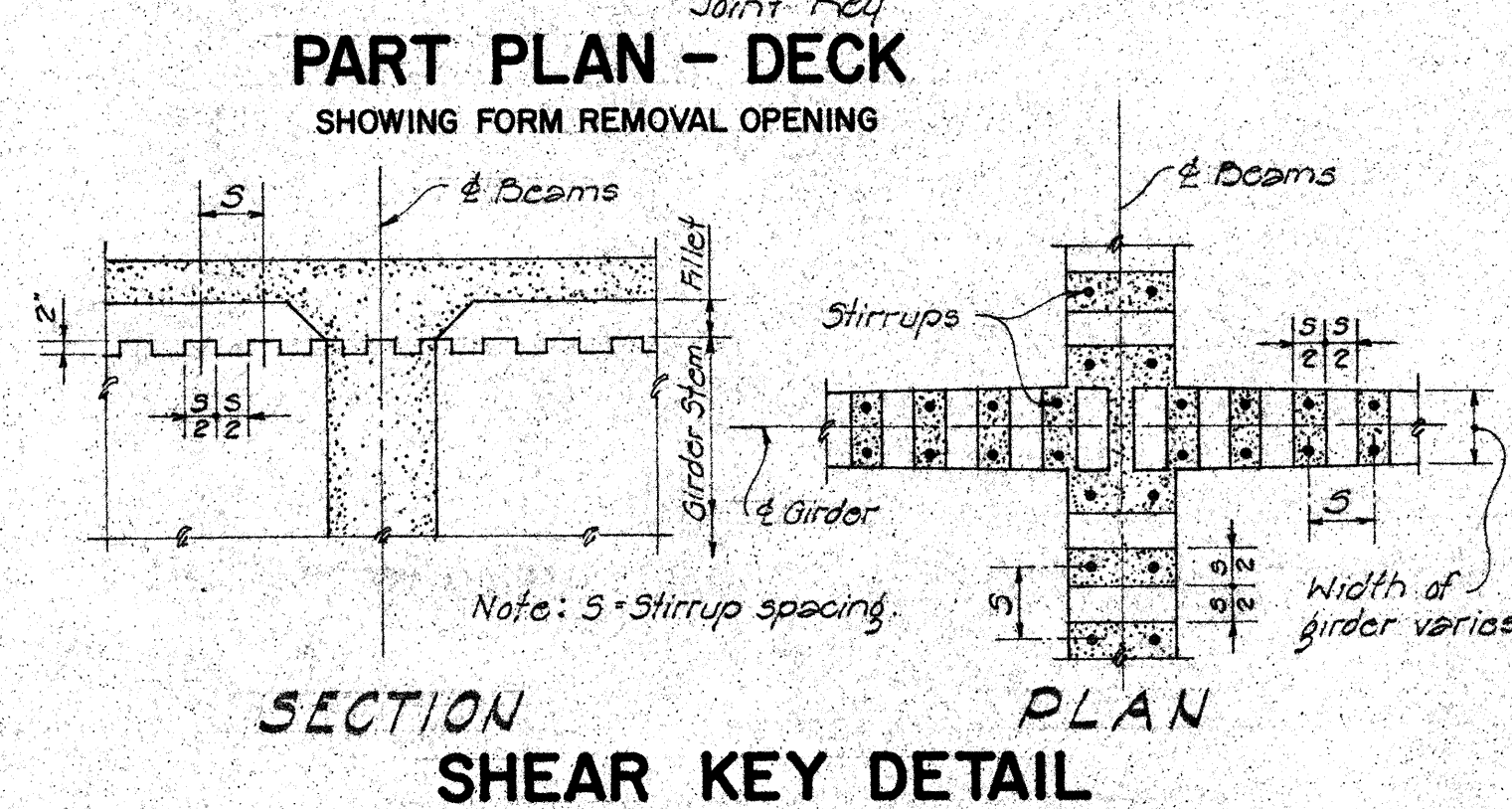
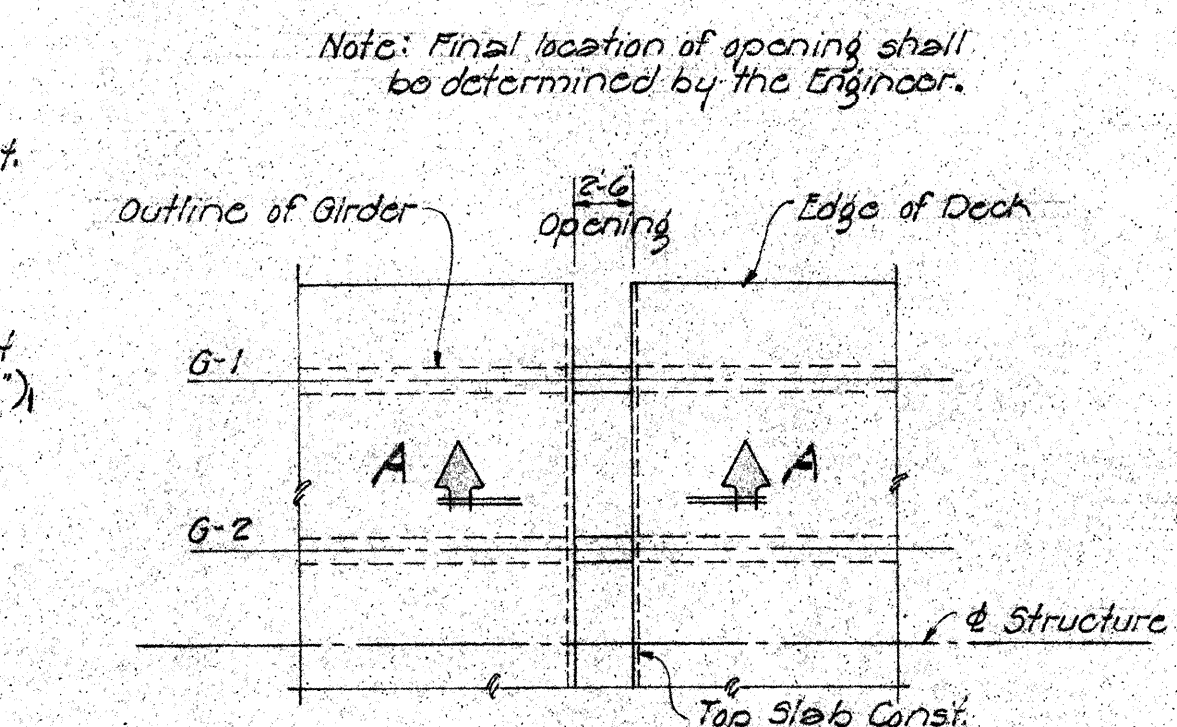
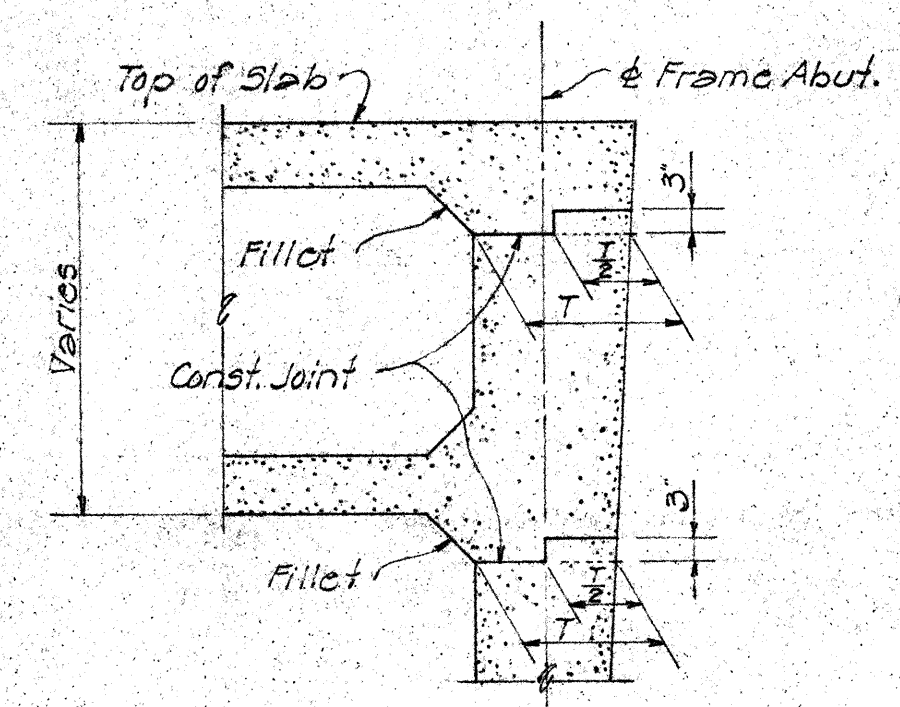
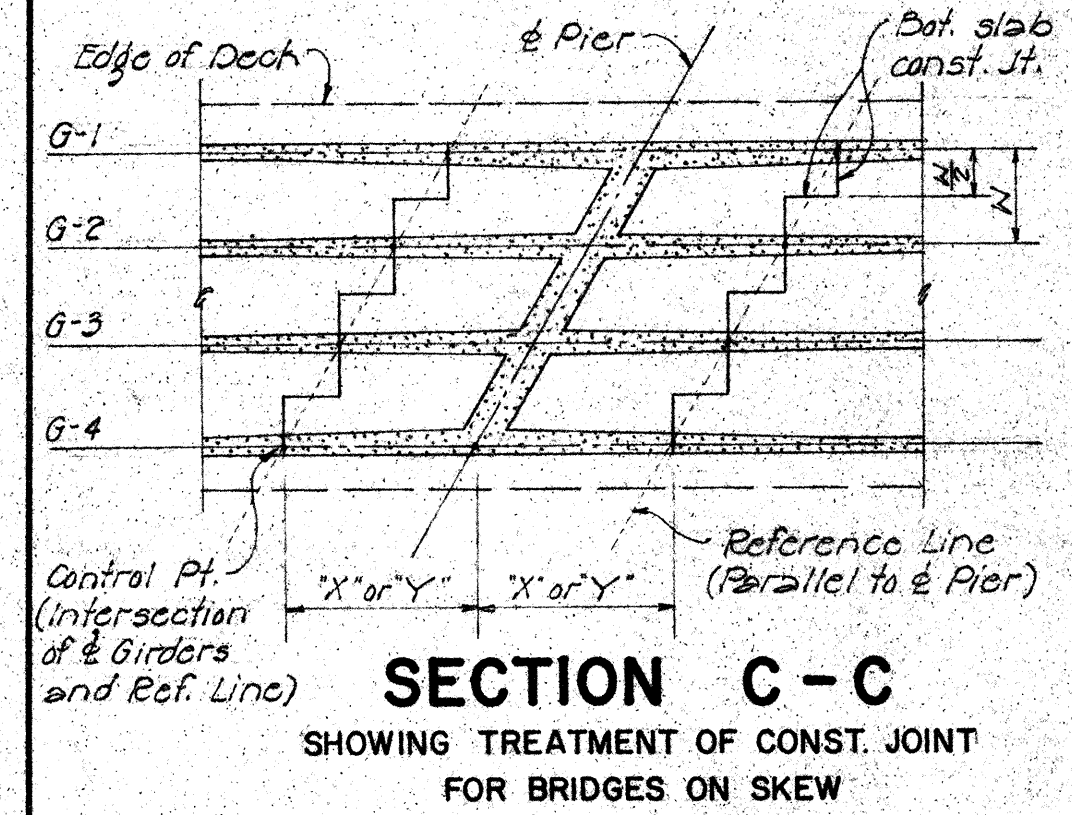
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS

REVISED APRIL 29, 1959
Revised girder reinforcing.

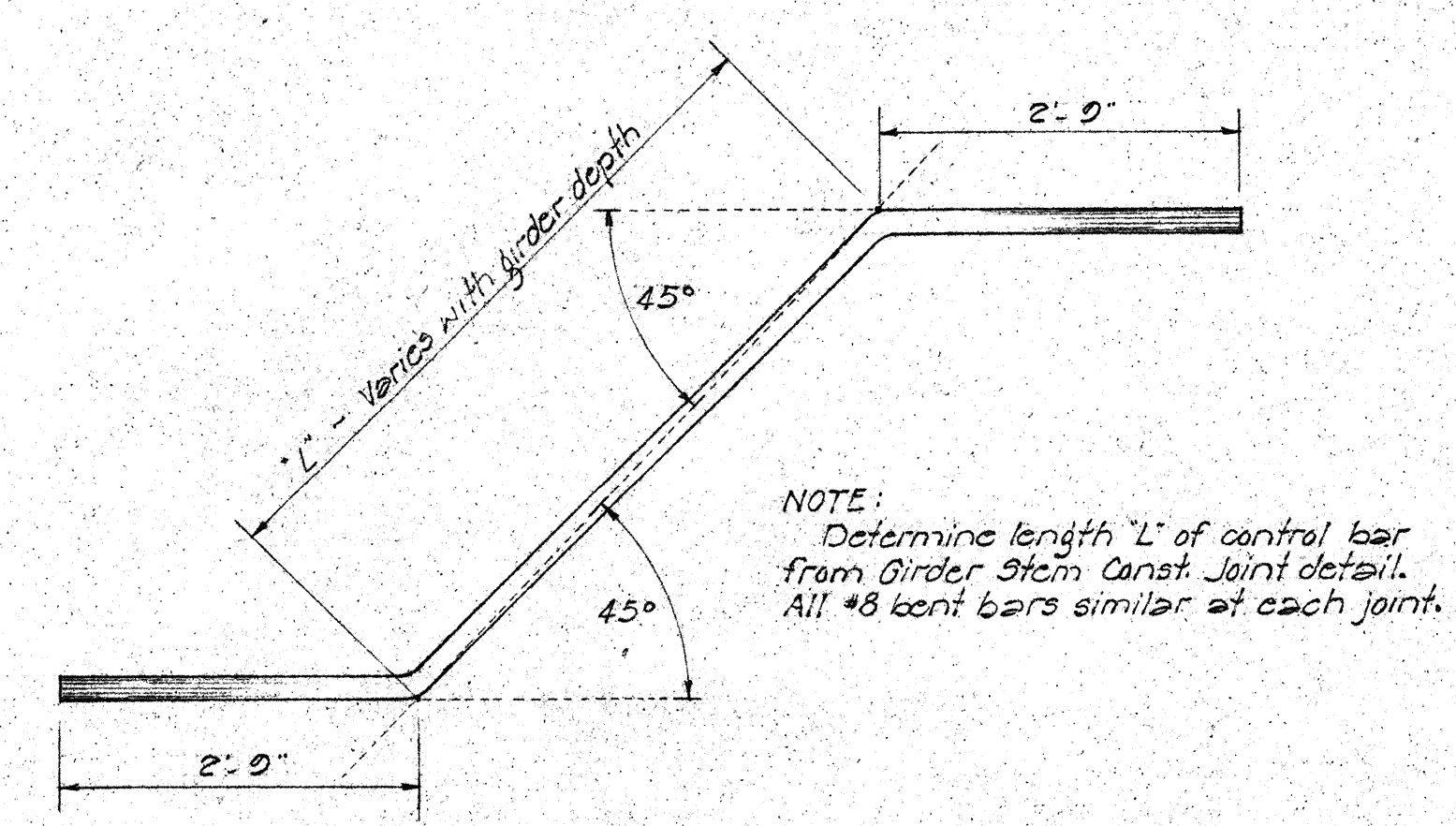
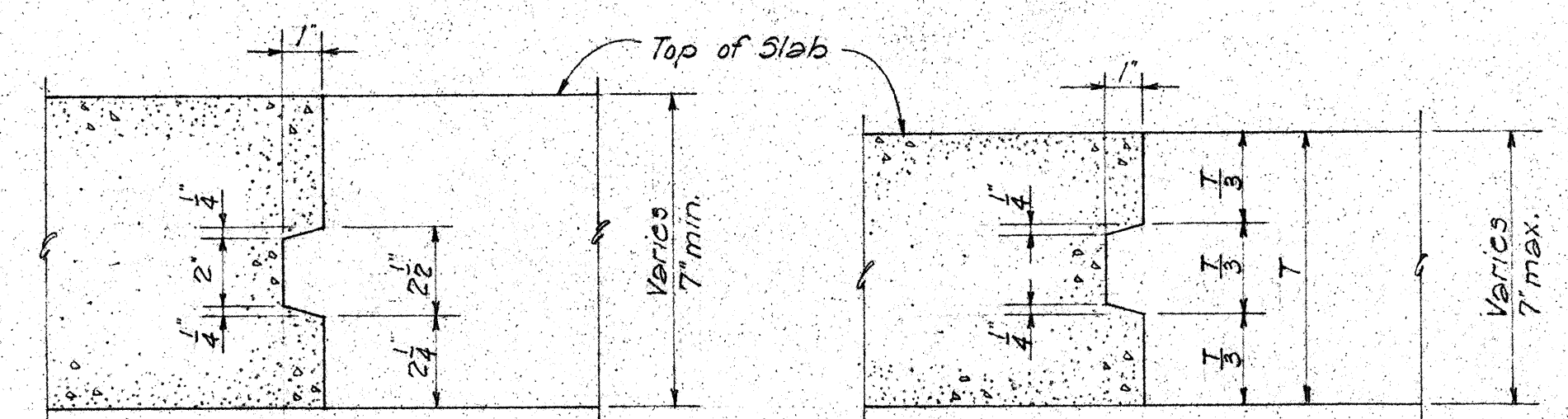


- NOTE:**
- No. 1 - Numbers ① and ② indicate sequence of placing bottom slab and girder stems.
 - No. 2 - No top slab construction joint or form removal opening shall be located in this region over the piers as noted.
 - No. 3 - When top slab forms are not removed, const. joint in top slab shall be located over an intermediate diaphragm.
 - No. 4 - Dimension "X" = 1/4 span "Y" = 1/5 span
 - No. 5 - No lapping of main girder bars shall be permitted at construction joints.

PLACING DIAGRAM FOR SUPERSTRUCTURE CONCRETE



GENERAL NOTE
Except where detailed otherwise in the plans, all details on this sheet govern.



APPROVED: _____ DATE: _____
TERRITORIAL HIGHWAY ENGINEER

REVISION NO. 1
This sheet supersedes sh. #5055.20
TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
STANDARD DETAILS
BOX GIRDER
KANAILILII STREAM BR.
SCALES AS NOTED

SURVEY PLOTTED BY: _____	DATE: _____
DESIGNED BY: _____	DATE: _____
DRAWN BY: _____	DATE: _____
CHECKED BY: _____	DATE: _____
ORIGINAL PLAN	NOTE BOOK
NO. _____	NO. _____