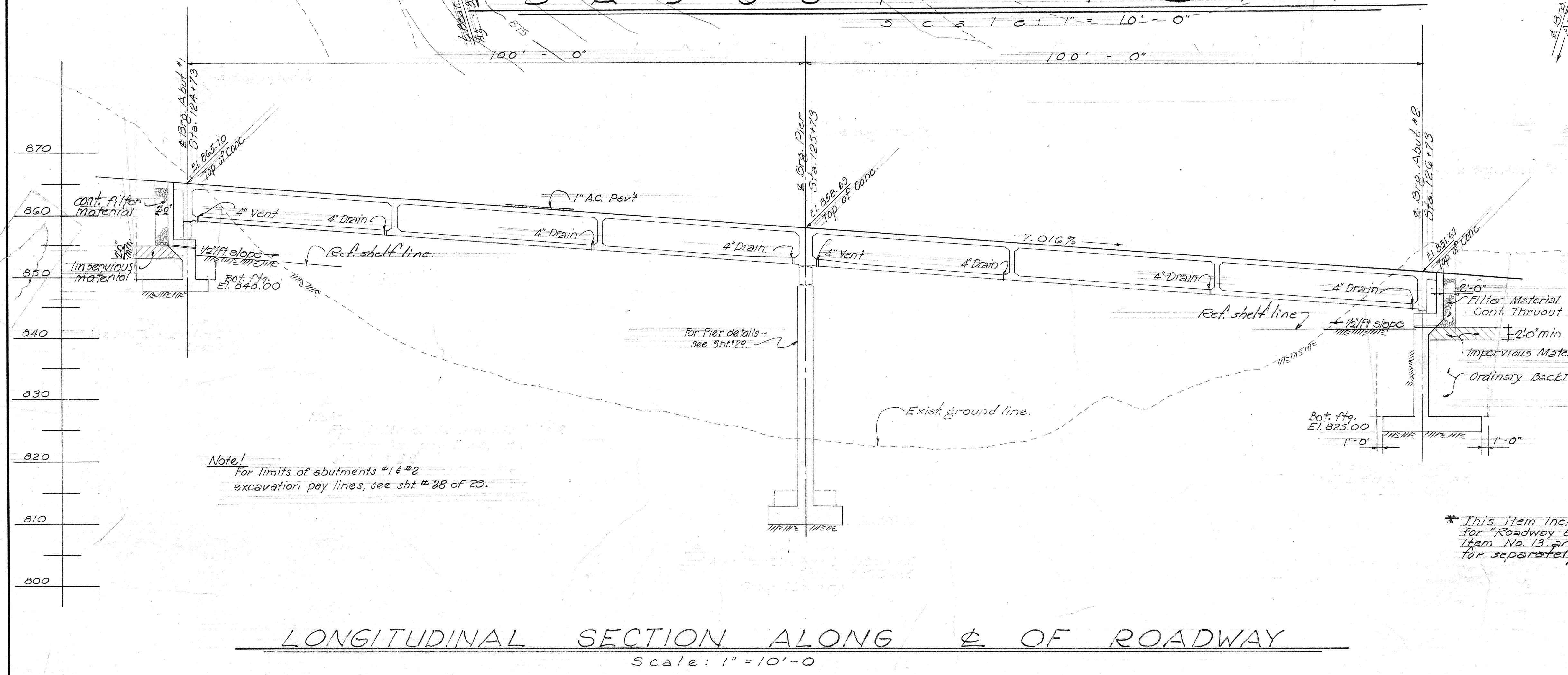
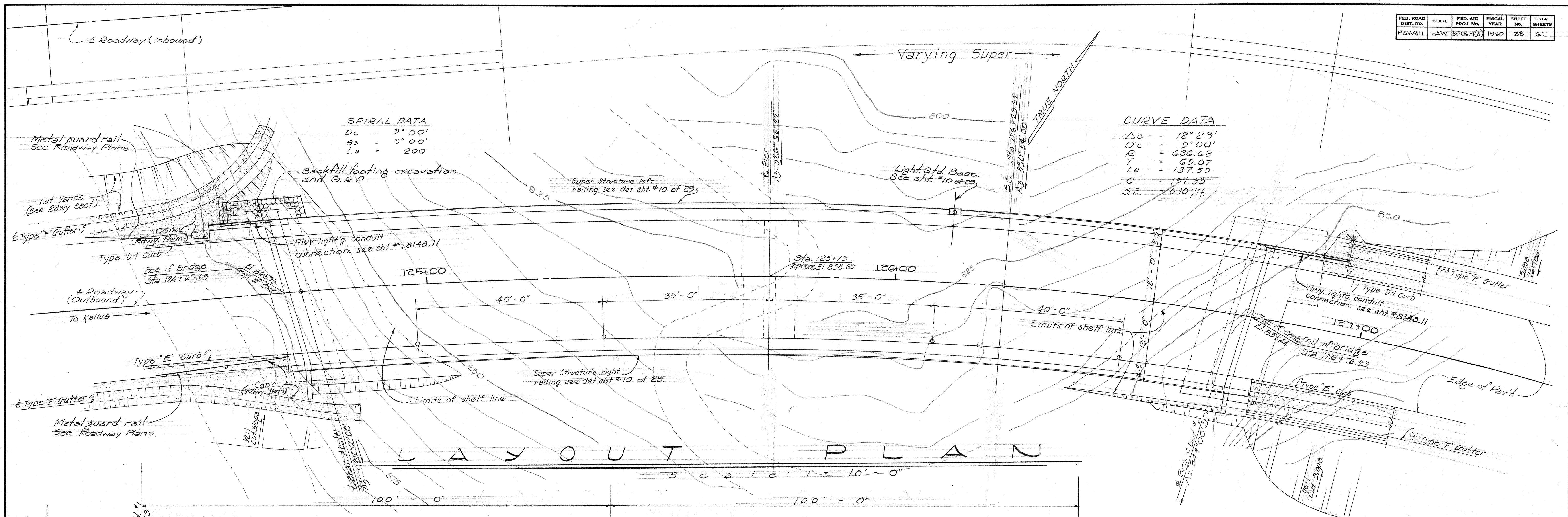




GENERAL NOTES

For other General Notes, see Sheet No. 27 of 29.

For Standard Bridge Details, see Sheet Nos. 8148.57, 8148.60, 8148.61.

Except as otherwise noted, all elevations indicated on this sheet are top of finish concrete elevations.

Top of concrete deck grades to follow roadway super elevation transitions.

ESTIMATED QUANTITIES

Item	Unit	Quantity	Notes
Class A-1 Concrete	Lump Sum	(8530 C.Y.)	✓
Reinforcing Steel	Lump Sum	(186,800#)	✓
Structure Excavation	Lump Sum	(10400 C.Y.)	✓
Asphalt Concrete Pavement	Mix No. II	34 Tons	✓
Bituminous Tack Coat		144 Gals.	✓
Filter Material		55 C.Y.	✓
Grouted Rubble Paving		50 C.Y.	✓
Roadway Exc. Under Bridge		105.0 C.Y.	✓
Metal Guard Rail/Conc. Posts		100.0 L.F.	✓

* This item included in the quantity for "Roadway Excavation", Proposal Item No. 13, and will not be paid for separately.

HAWAII STATE HIGHWAY DEPARTMENT
STATE OF HAWAII

BRIDGE #5A - OUTBOUND

Sta. 124+69.67 to Sta. 126+76.29

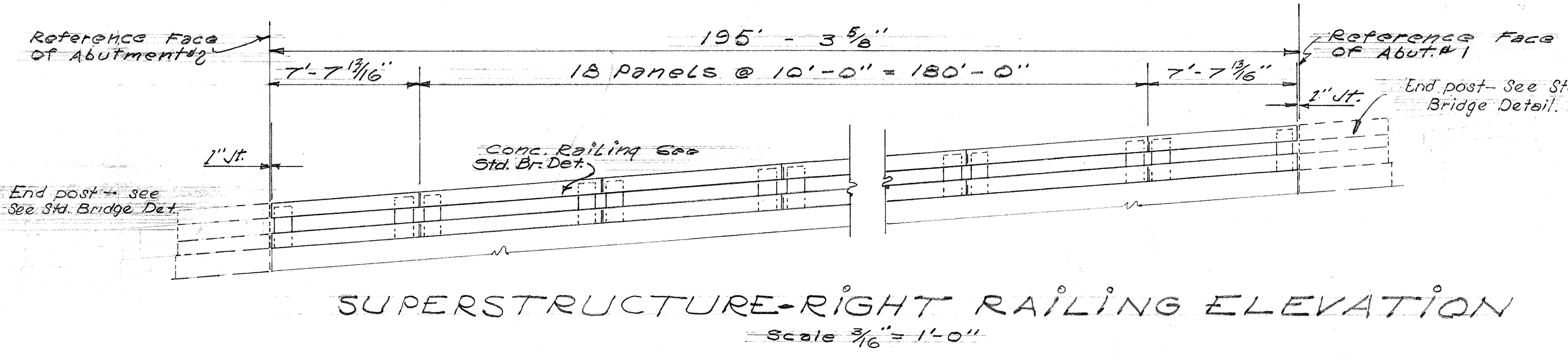
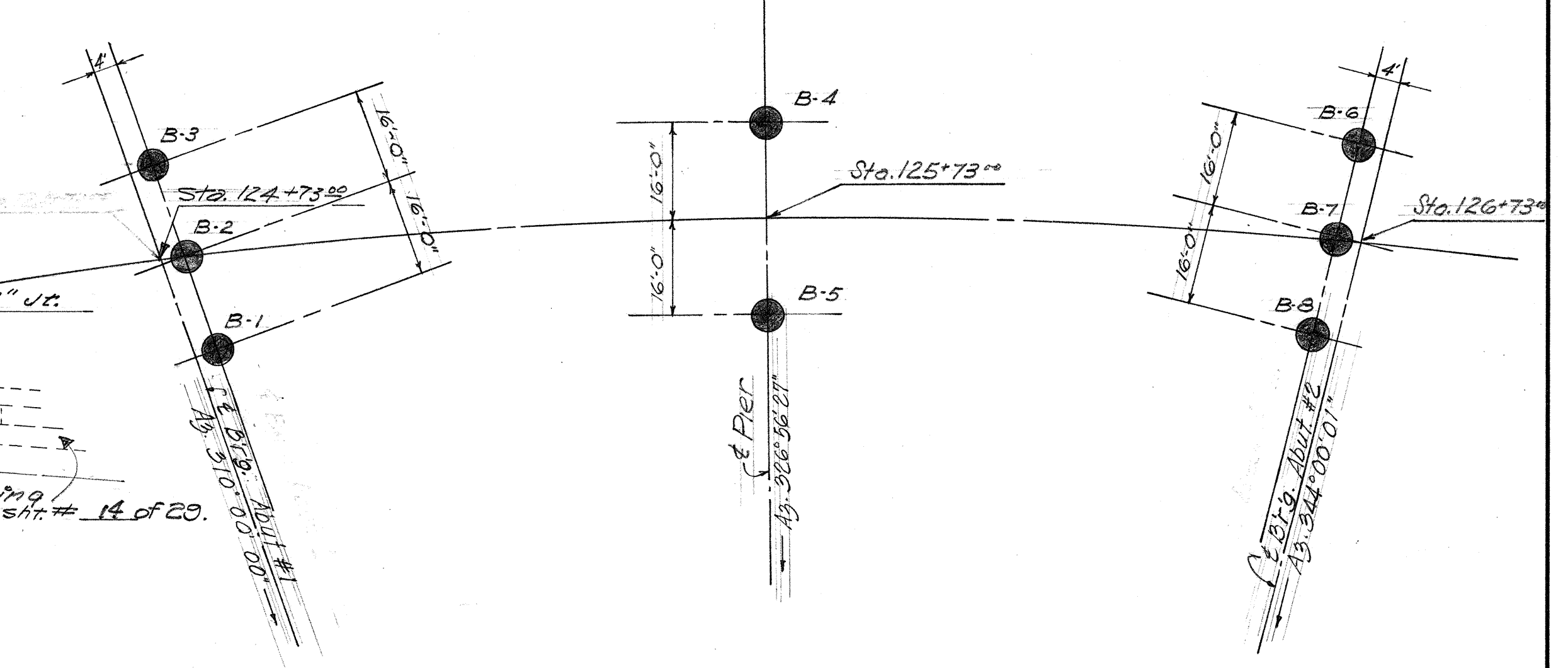
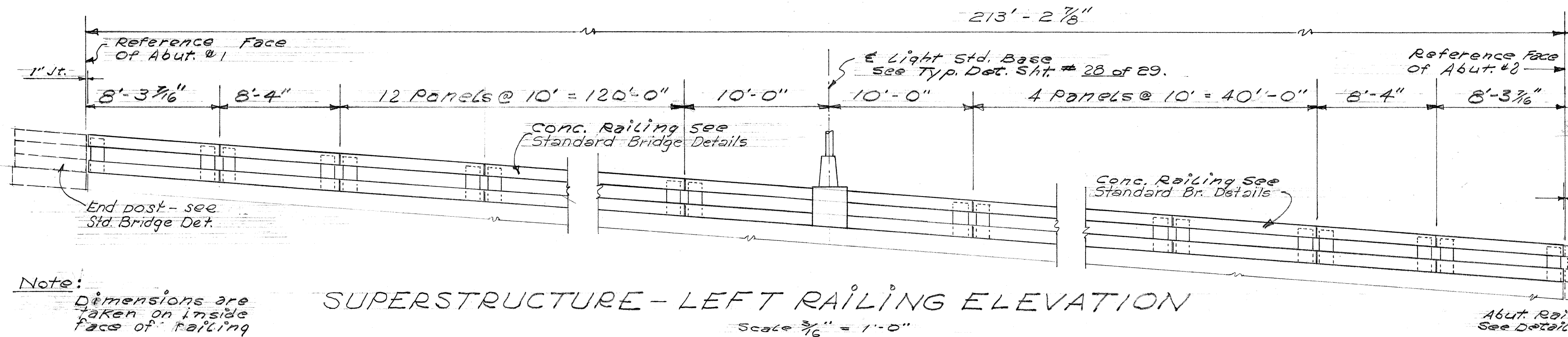
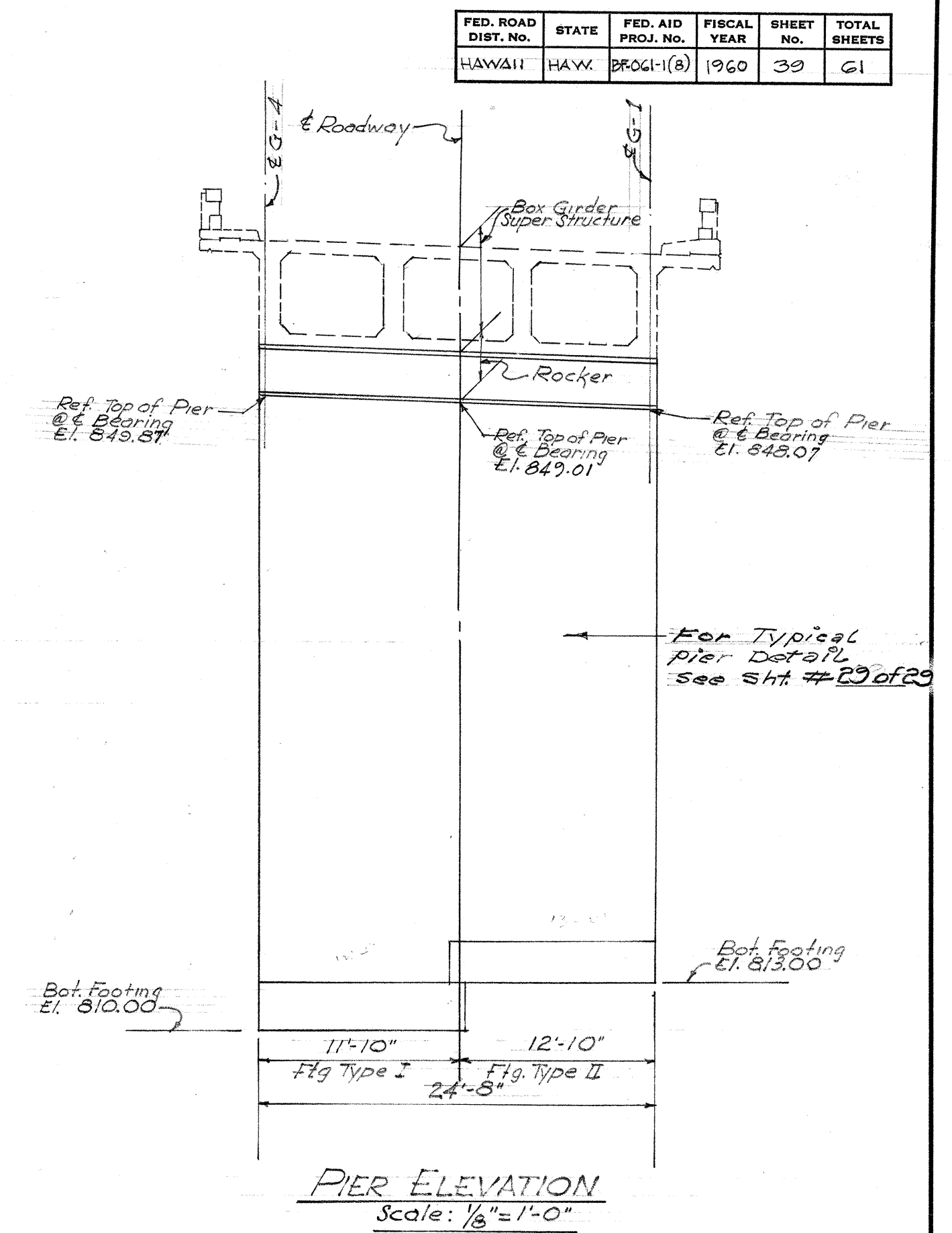
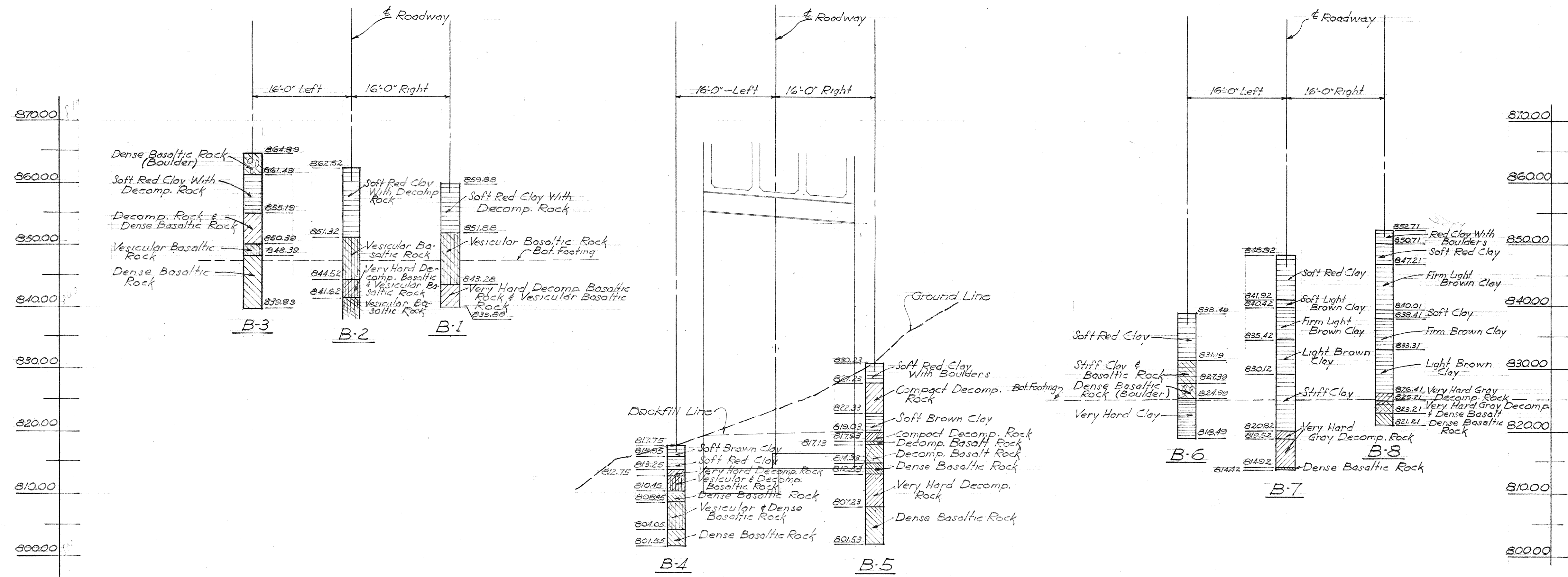
PALI HWY Proj. No. BF-061-(8)

Oct. 1959

SURVEY PLOTTED BY: G.H.B.
 DATE: 12-14-59
 DRAWN BY: G.H.
 DATE: 12-14-59
 QUANTITIES CHECKED BY: E.D. HALL
 DATE: 12-14-59
 NOTE BOOK NO. 1

Handwritten notes and signatures at the bottom left corner.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	PROJ-1(8)	1960	39	61



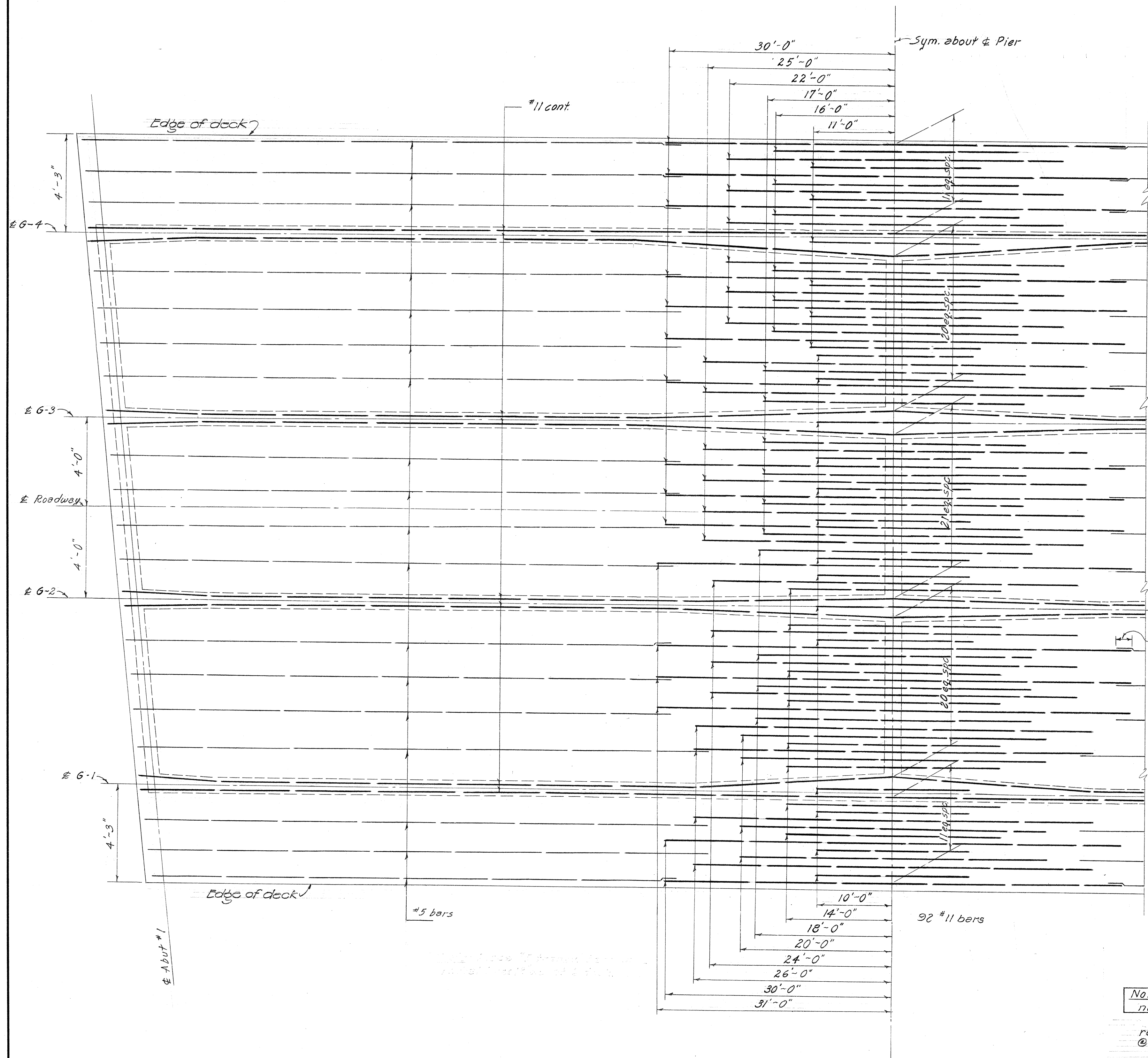
HAWAII STATE HIGHWAY DEPARTMENT
STATE OF HAWAII
BRIDGE #5A
STA. 157+60.60-156+76.80
PALI HWY - OUTBOUND
PROJ. NO. BF-061-1(8)
Oct. 1959

SHEET No. 10 OF 29 SHEETS

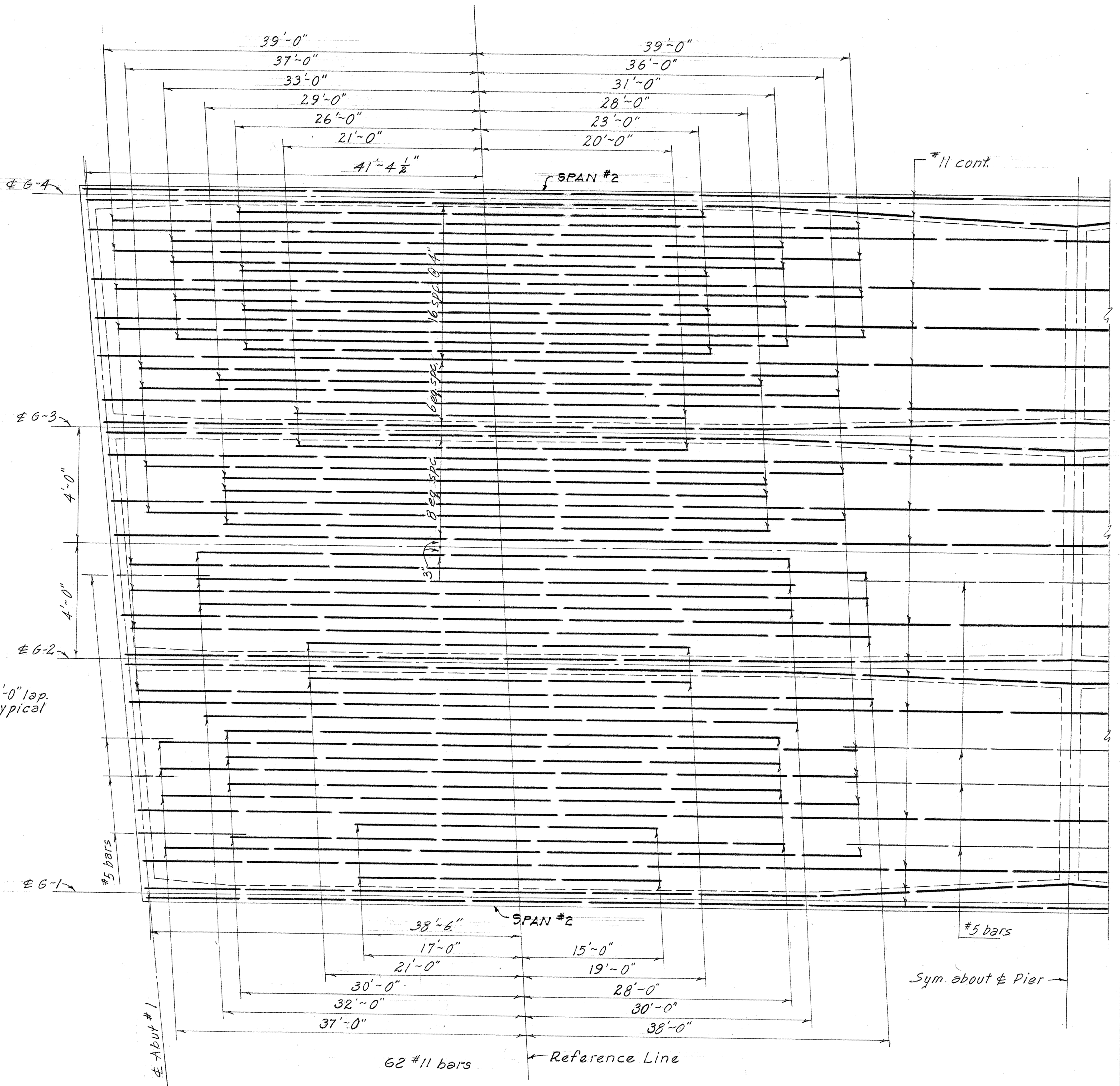
.8148.39

DATE: 10-14-59
DESIGNED BY: J. L. G. A. H.
DRAWN BY: J. L. G. A. H.
CHECKED BY: J. L. G. A. H.
NOTE BOOK NO. 10

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BF-OGI-1(B)	1960	40	61



PLAN-TOP SLAB TOP LAYER REINFORCING



PLAN-BOTTOM SLAB BOTTOM LAYER REINFORCING

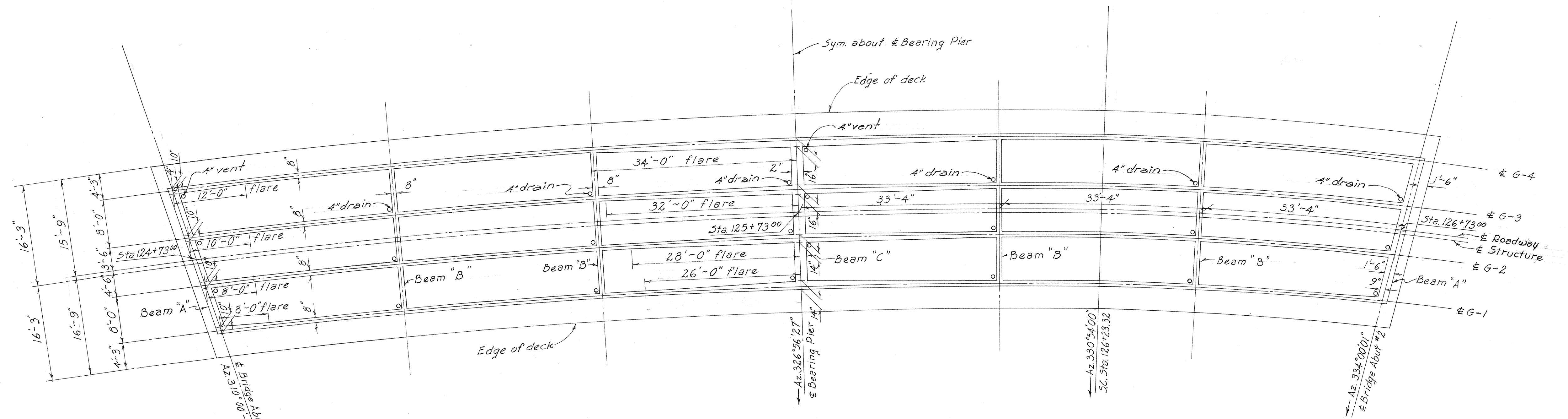
Note: Except as otherwise noted all bars #11
Curvature of girders and reinforcing is not shown. Radius @ & roadway, see layout plan.

Note: For Superstructure Details and Reinforcements, See Typical Detail Sheet # 27 of 29.

HAWAII STATE HIGHWAY DEPARTMENT
STATE OF HAWAII
BRIDGE #5A
STA. 187+62.60 - 189+76.80
PALI HWY - OUTBOUND
PROJ. NO BF-OGI-1(B)
Oct. 1959

DESIGNED BY	DATE
DRAWN BY	12-14-59
CHECKED BY	12-14-59
QUANTITIES CHECKED BY	12-14-59
CHECKED BY	12-14-59

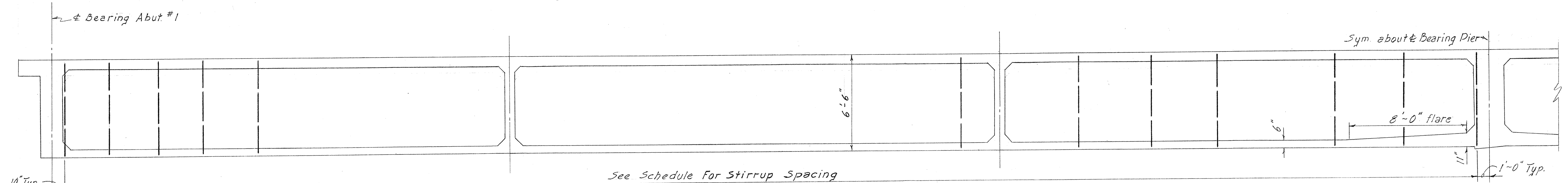
ORIGINAL PLAN	NO.
NOTE BOOK	



Note:
Transverse beams to be located plumb.

FRAMING PLAN

Scale 1"=10'-0"



Note:
Vertical grade of girders not shown

GIRDER STIRRUP SPACING

SCALE: 1"=1'-0"

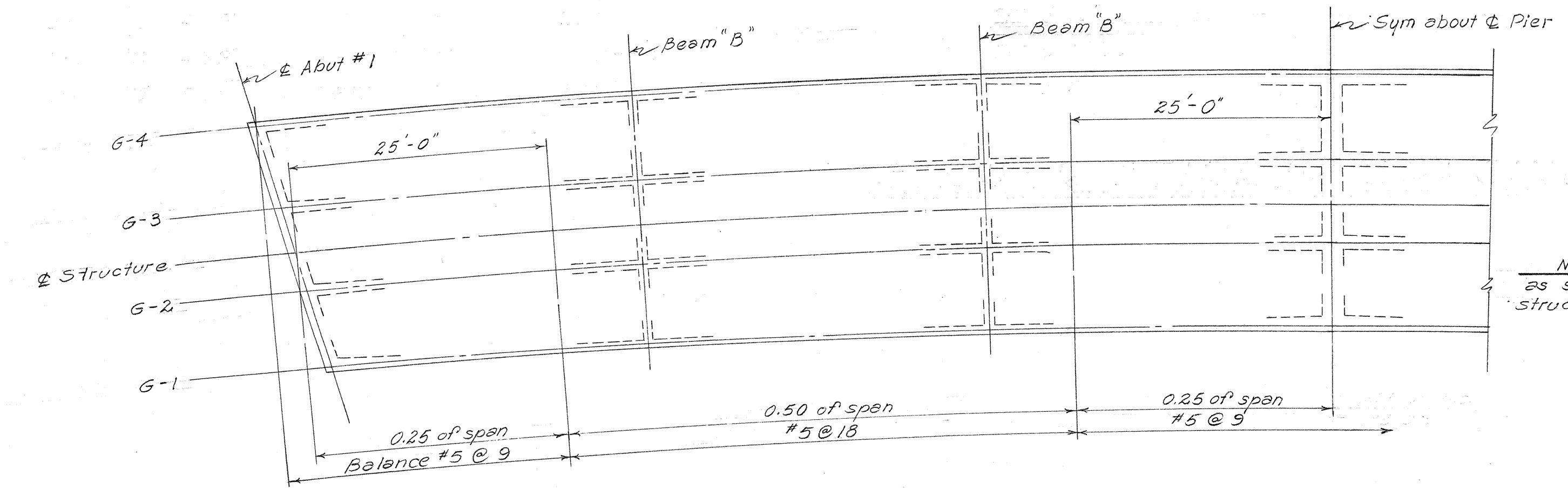
Note:
All stirrups to be #5
Stirrups to be placed plumb.

Girder No.	& Beam "A"
G-1	10" 4@9 4@10 3@12 3@15
G-2	10" 4@9 6@10 5@12 3@15
G-3	10" 4@9 6@10 5@12 3@15
G-4	10" 9@8 6@10 5@12 3@15

Fill @ 18 oc.
Fill @ 18 oc.
Fill @ 18 oc.
Fill @ 18 oc.

	8@12	6@10	6@9	12@8	8@7	10@6	1'-0"
	6@12	6@10	8@9	8@8	12@7	14@6	1'-0"
	8@12	9@10	4@9	9@8	14@7	16@6	1'-0"
9@12	6@10	4@9	9@8	8@8	16@6	19@5	1'-0"

GIRDER STIRRUP SPACING SCHEDULE



Note: Space transverse reinf. as shown (9" o.c. or 18" o.c.) at & struct. Place on radial lines.

BOTTOM FLANGE - TRANSVERSE REINF. PLAN

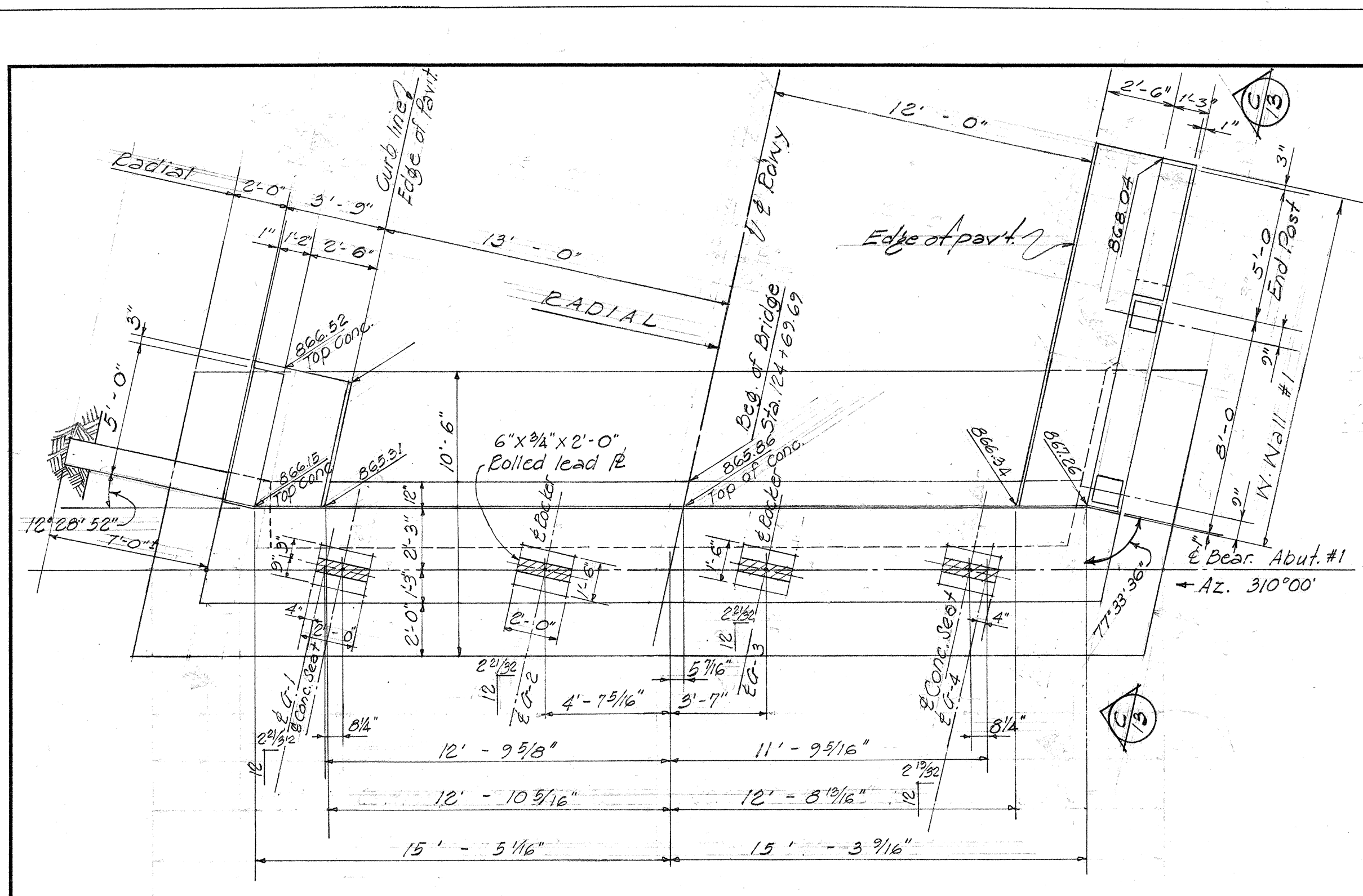
SCALE: 1"=10'-0"

Note:
For superstructure details, see Typical Details Sheet No. 27 of 29.

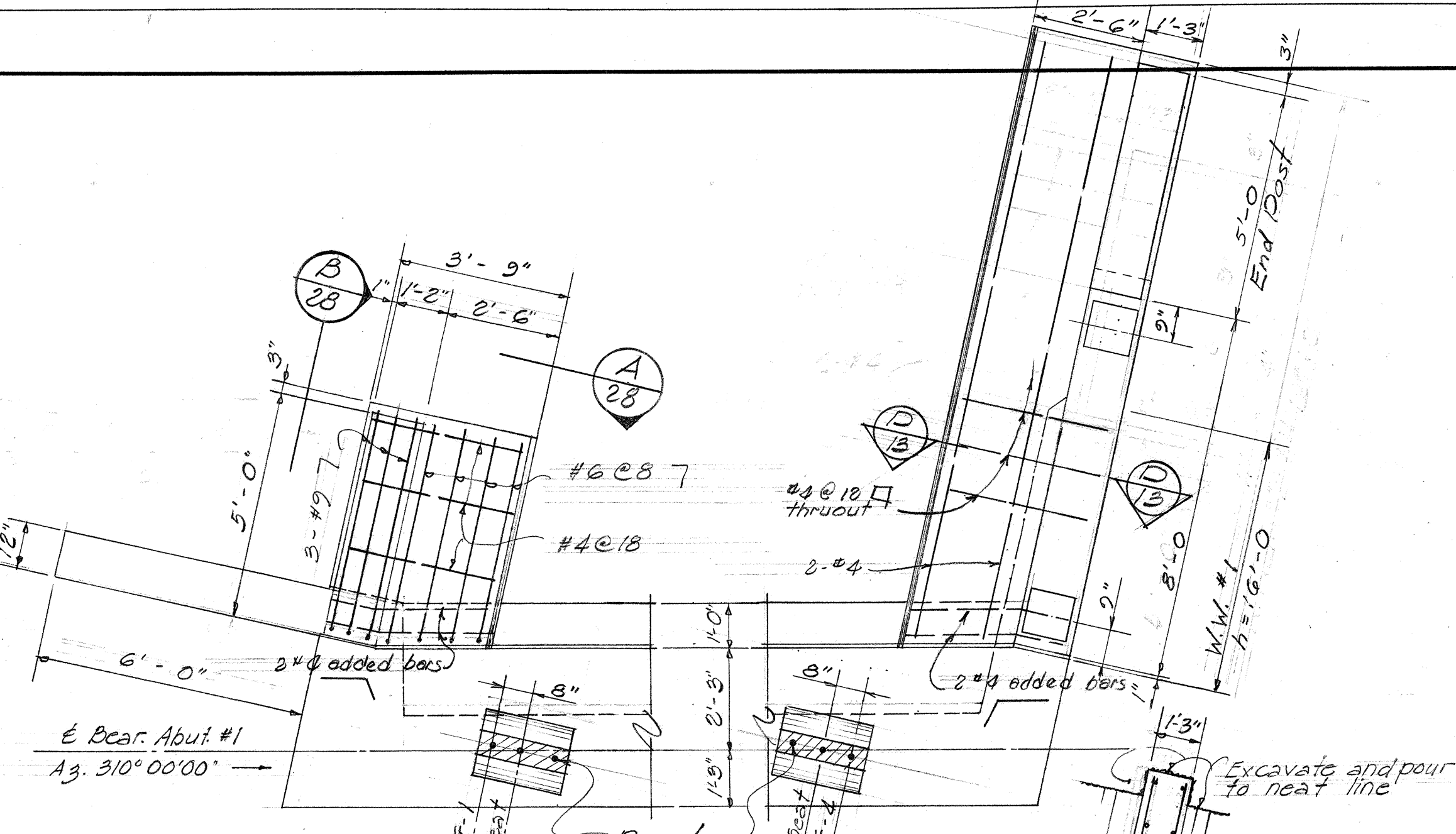
HAWAII STATE HIGHWAY DEPARTMENT
STATE OF HAWAII

BRIDGE #5A
STA. 124+62.67 - 126+76.27
PALI HWY - OUTBOUND
PROJ. NO. BF-OGI-1(8)
Oct. 1959

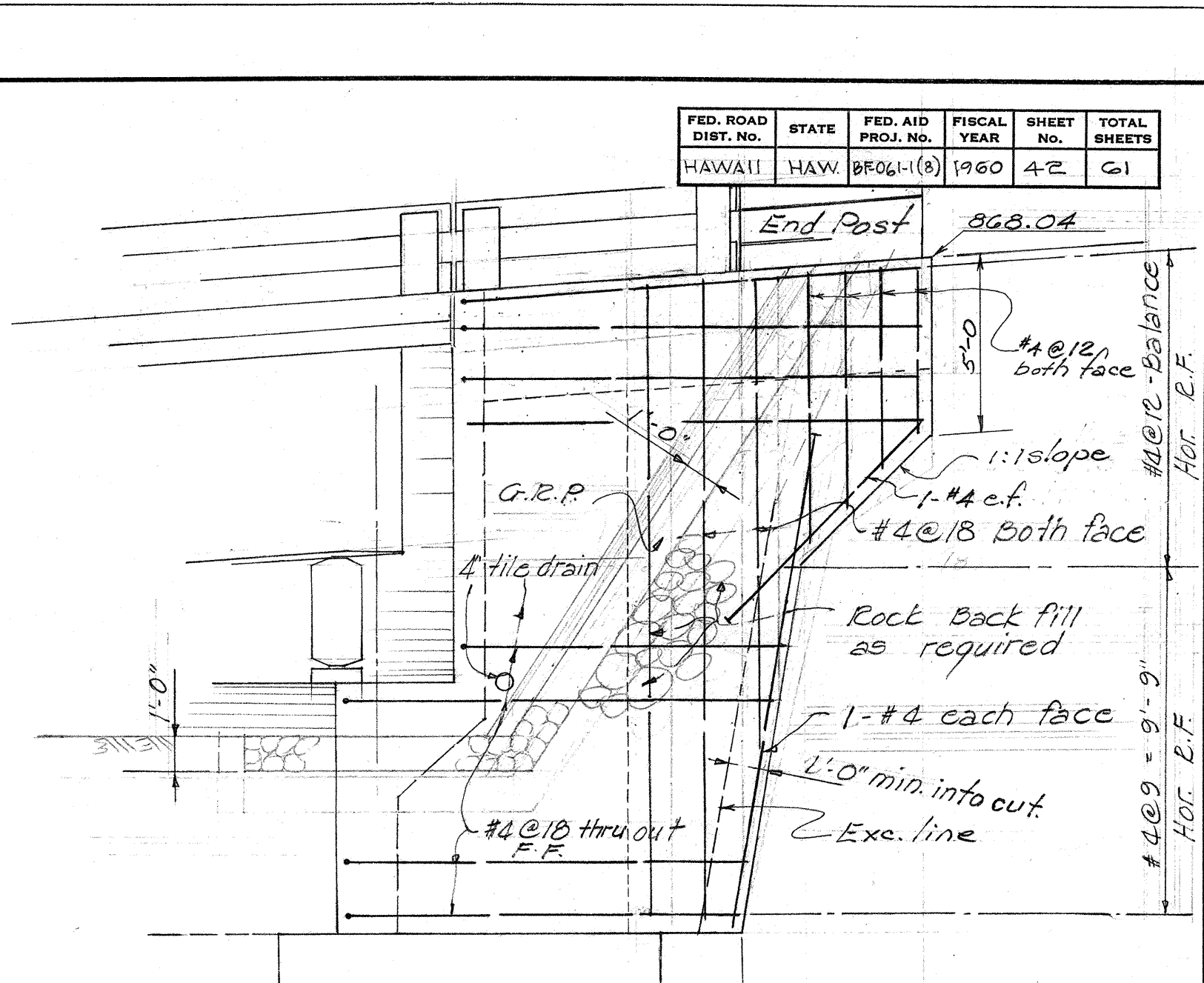
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BF-061-1(8)	1960	42	61



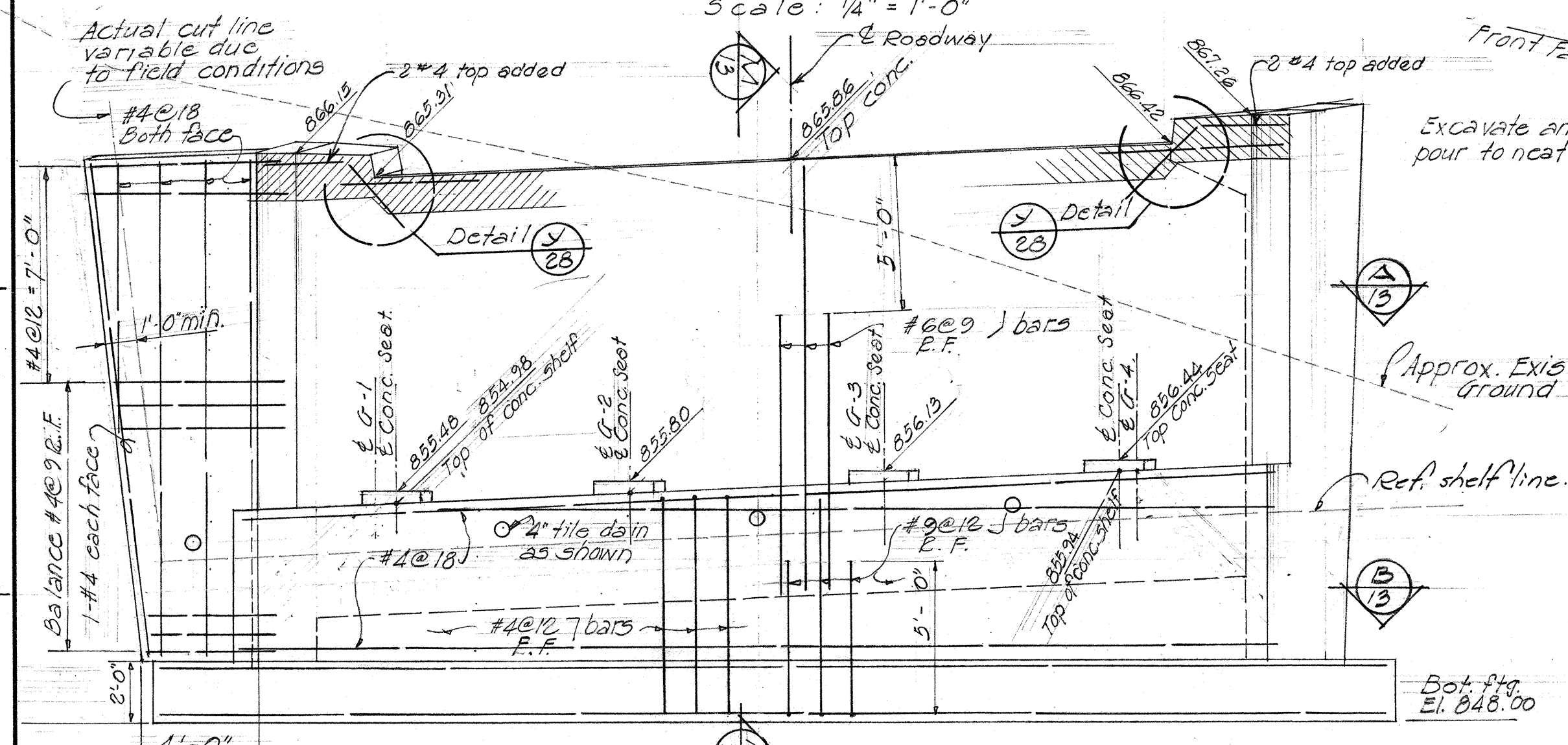
PLAN - ABUT. #1



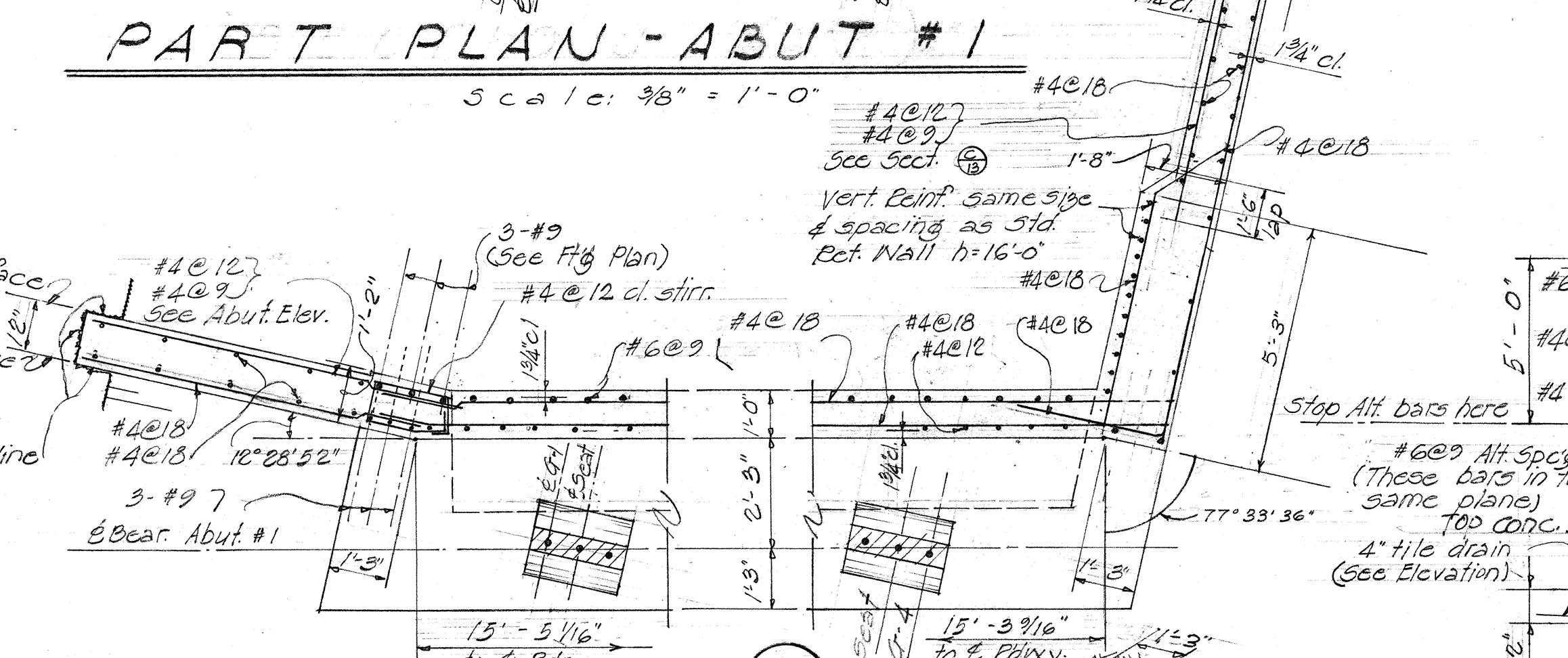
PART PLAN - ABUT. #1



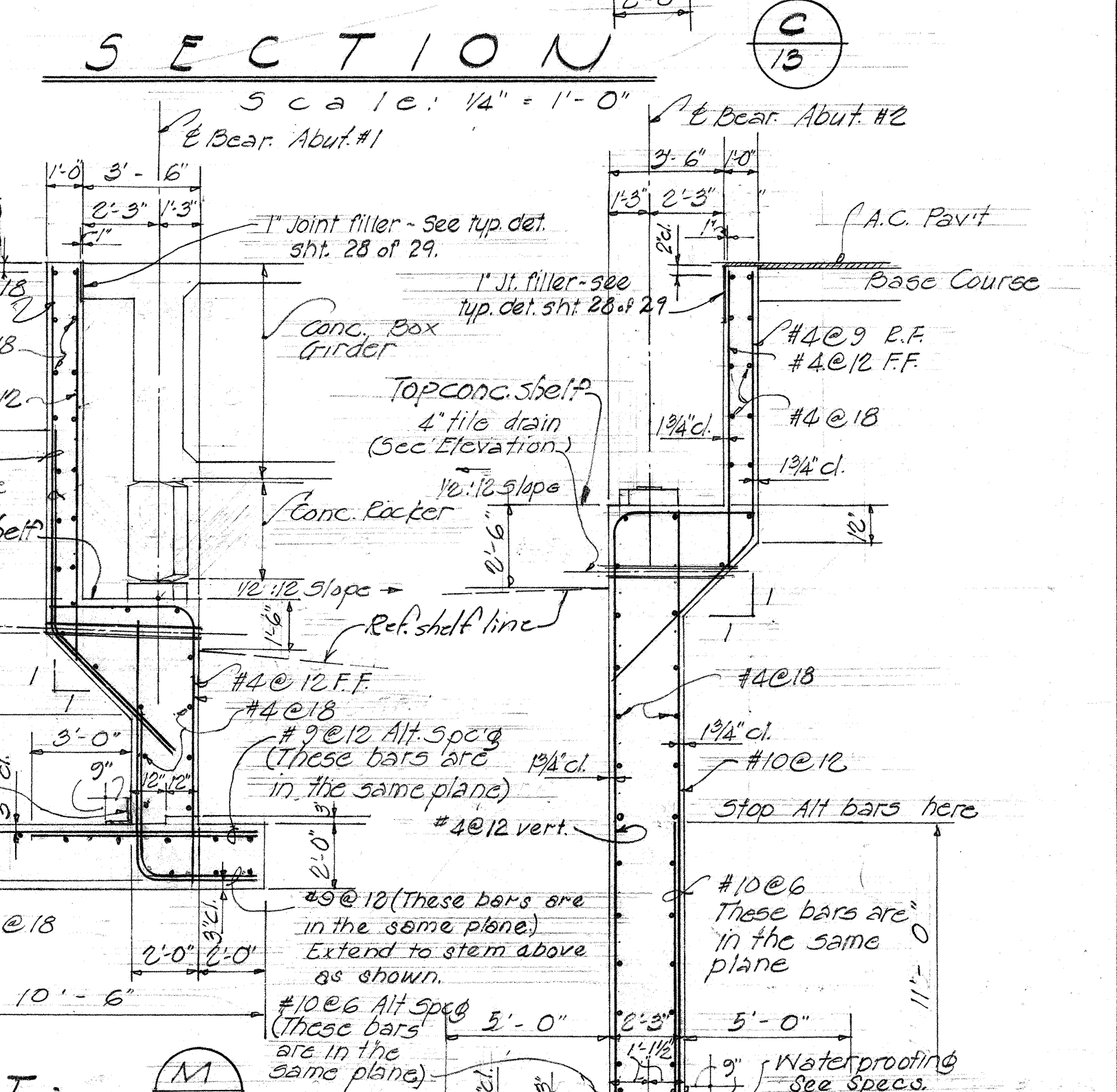
SECTION



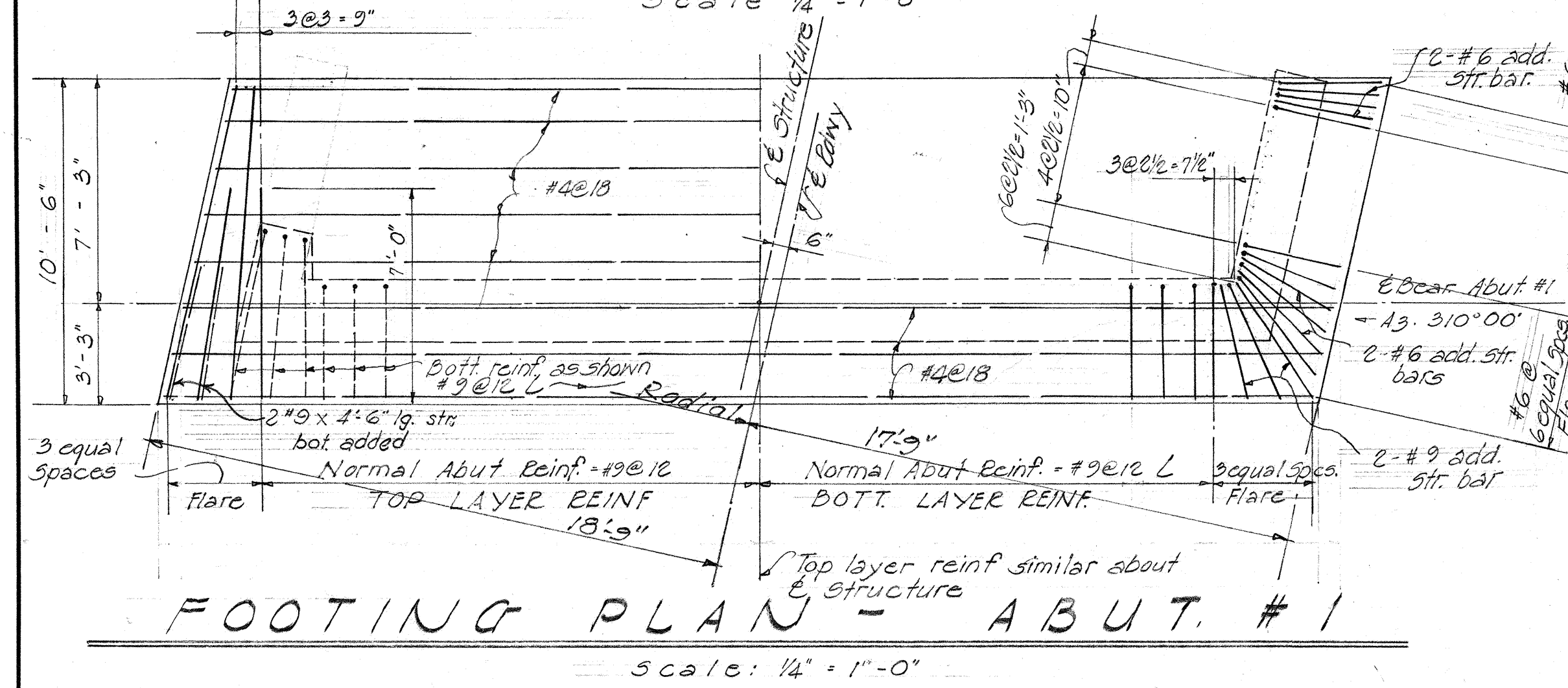
ELEVATION - ABUT. #1



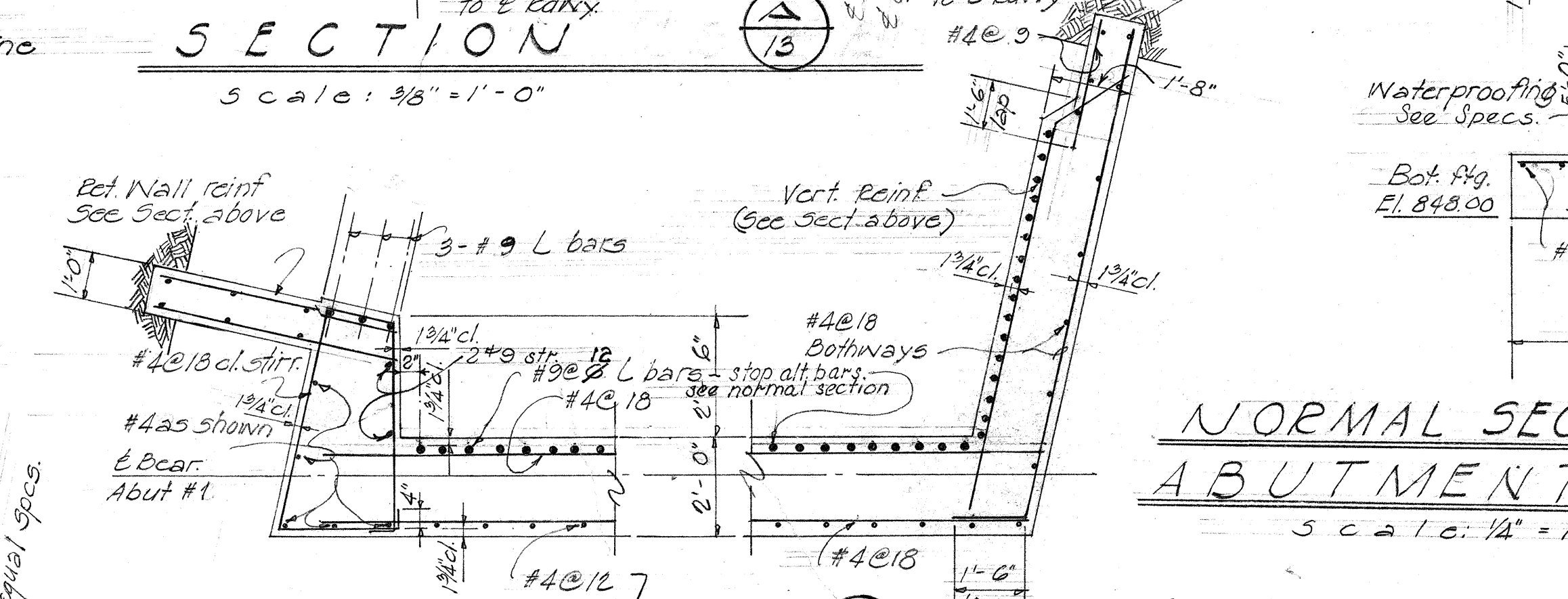
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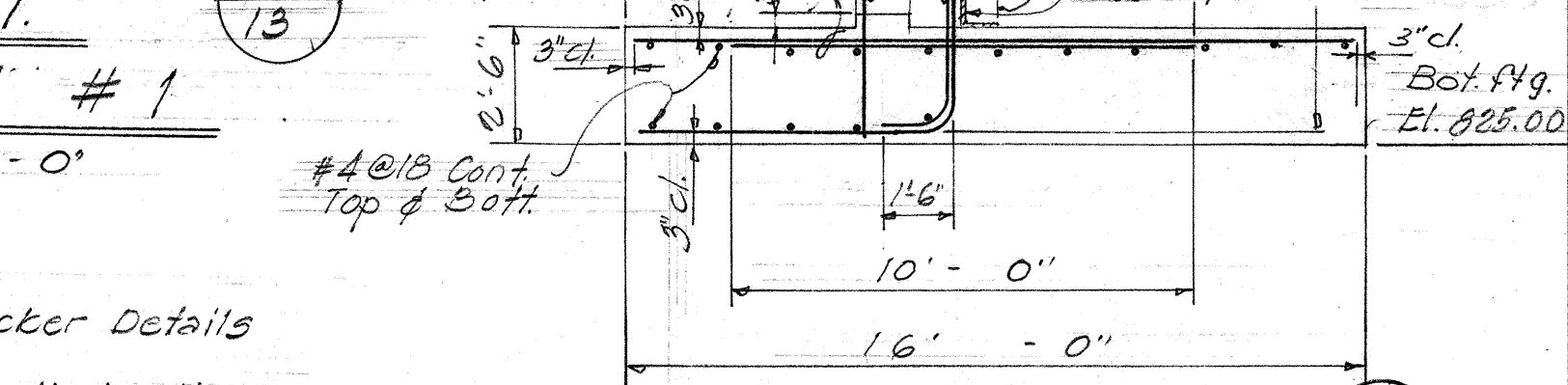
NORMAL SECT. ABUTMENT #1



FOOTING PLAN - ABUT. #1



SECTION



NORMAL SECT. ABUTMENT #2

General Notes:
For Concrete Seat & Backer Details See Sheet # 28 of 29
Except as otherwise noted, all elevations indicated on this sheet are top of finish concrete elevations.

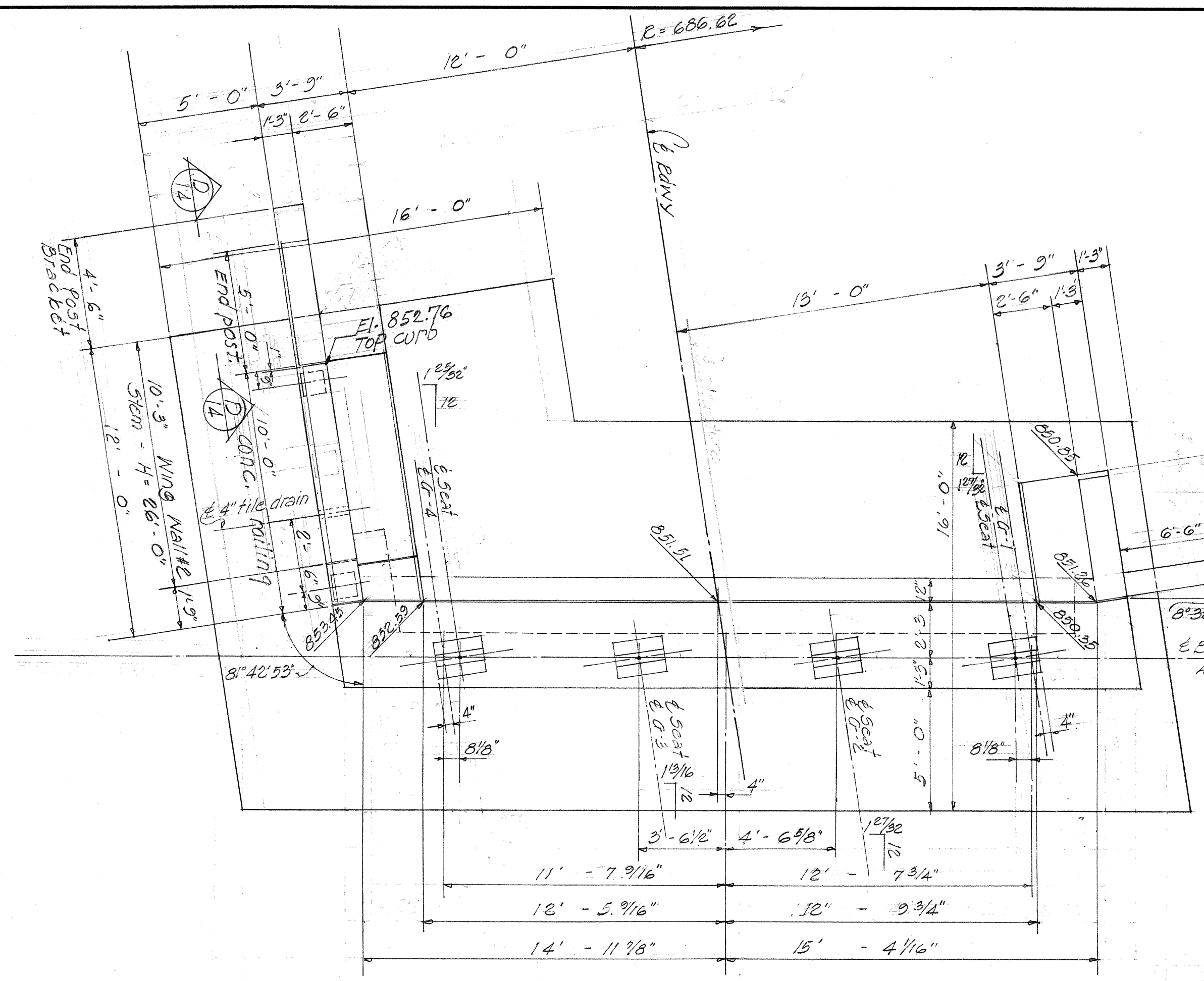
HAWAII STATE HIGHWAY DEPARTMENT
STATE OF HAWAII
BRIDGE #5A
STA 124+69.63 - 126+76.23
PALI HWY. OUTBOUND
PROJ. NO. BF-061-1(8)
OCTOBER 1959

SHEET NO. 13 OF 29 SHEETS

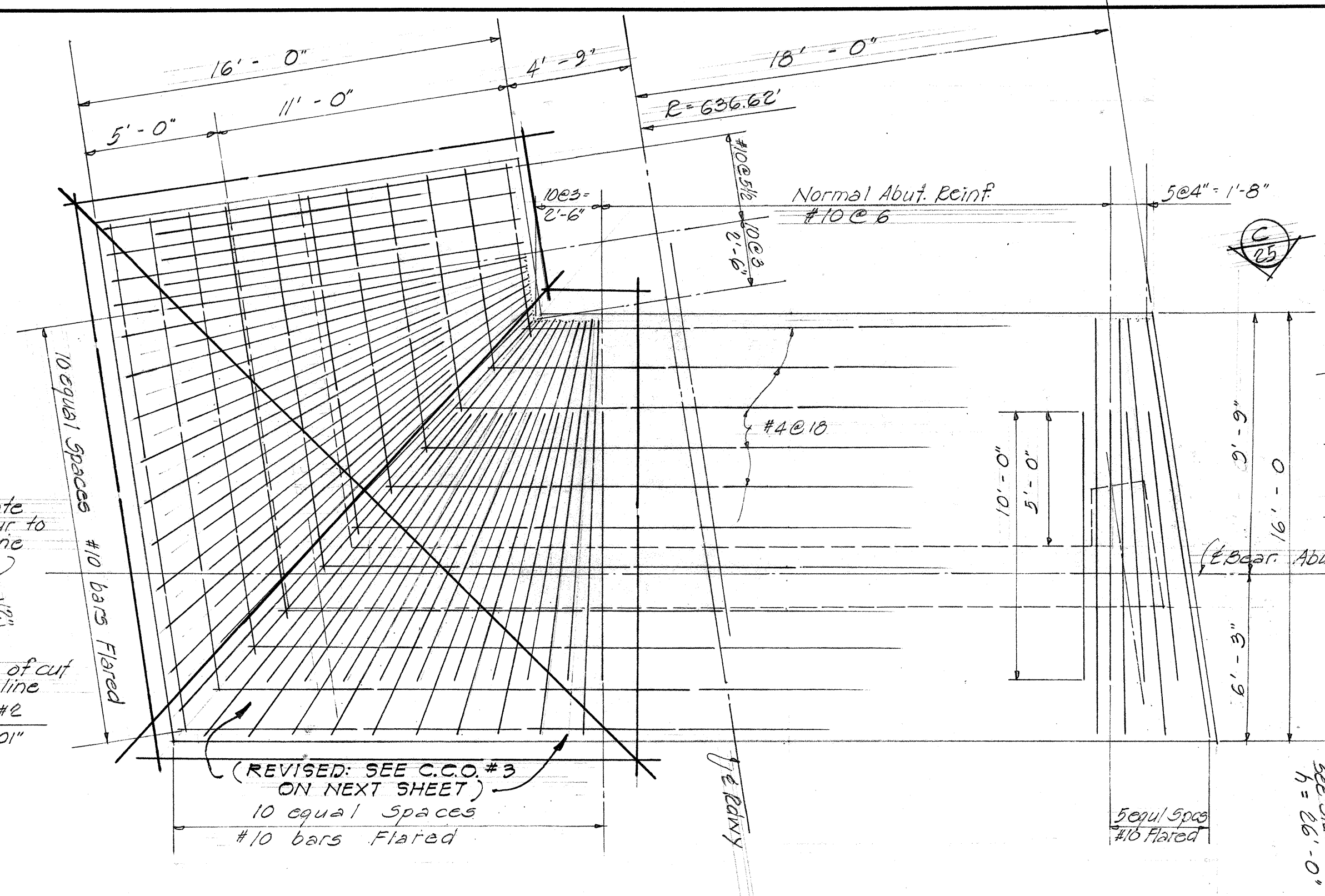
8148.42

SURVEY PLOTTED BY	DATE
ORIGINAL PLAN	10/12/59
TRACED BY	10/12/59
QUANTITIES CHECKED BY	10/12/59
NOTE BOOK NO.	10/12/59

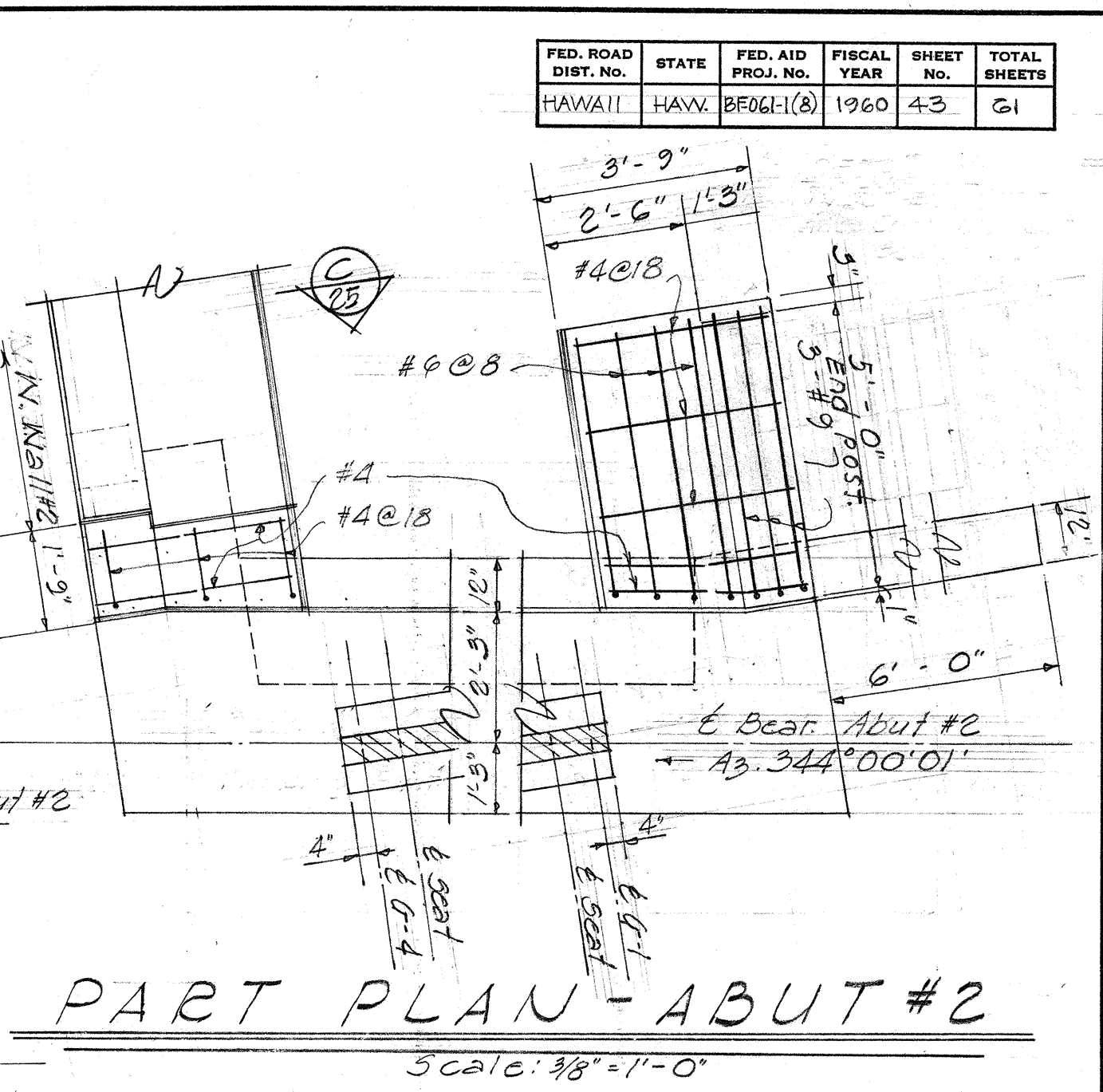
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BF-061-1(8)	1960	43	61



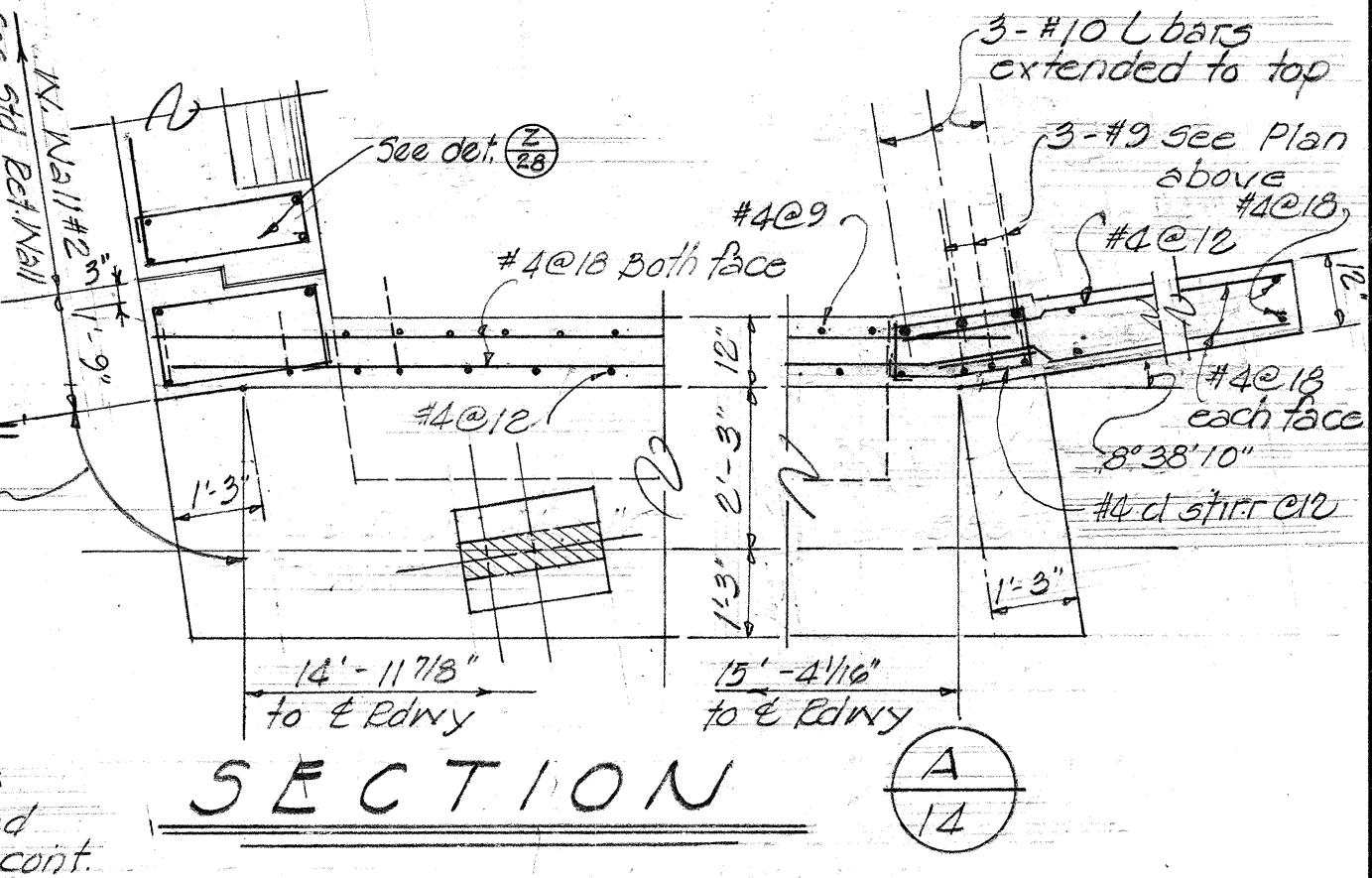
PLAN - ABUT. #2
Scale: 1/4" = 1'-0"



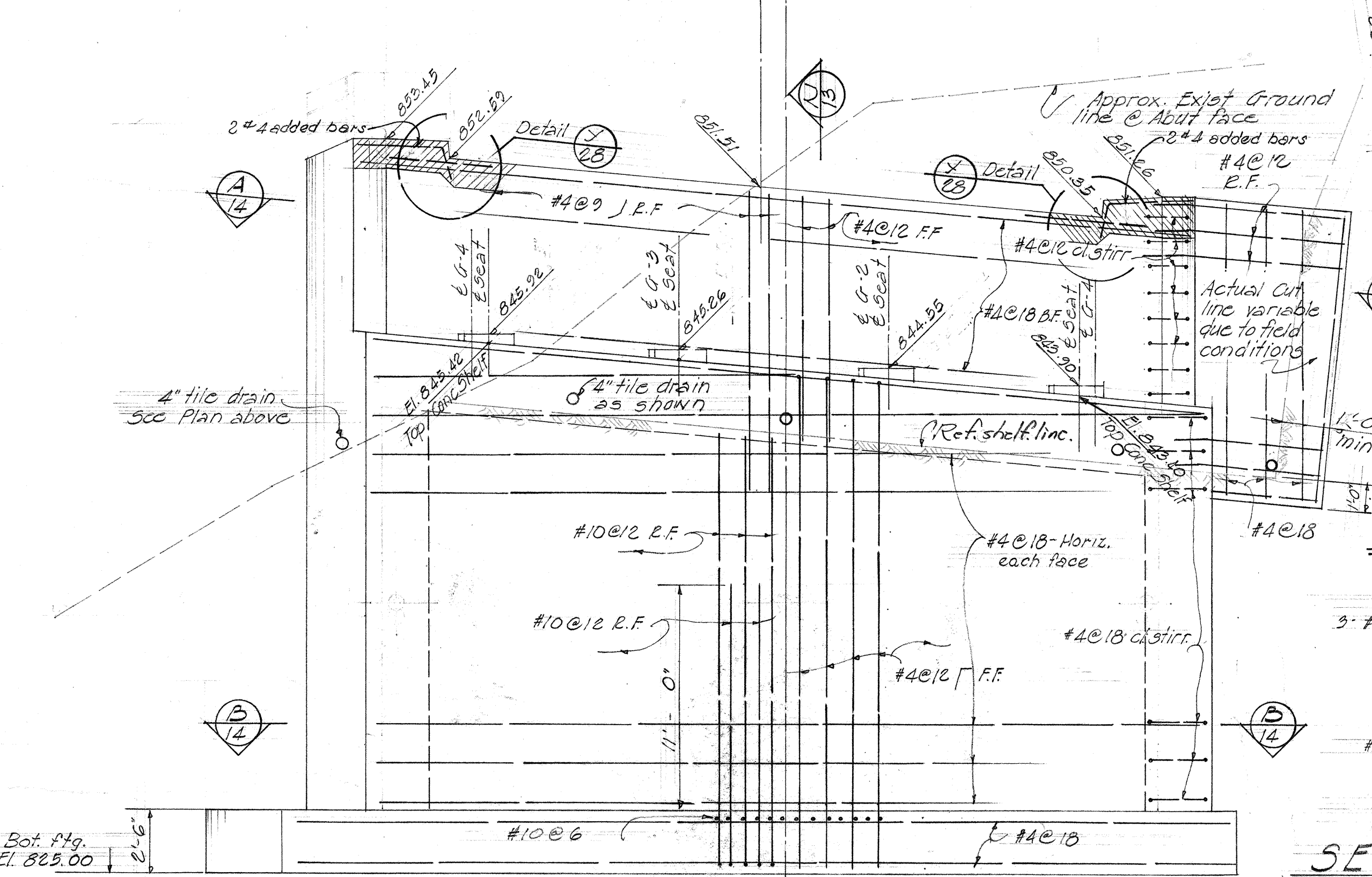
TOP LAYER FT'G REINF. - ABUT #2



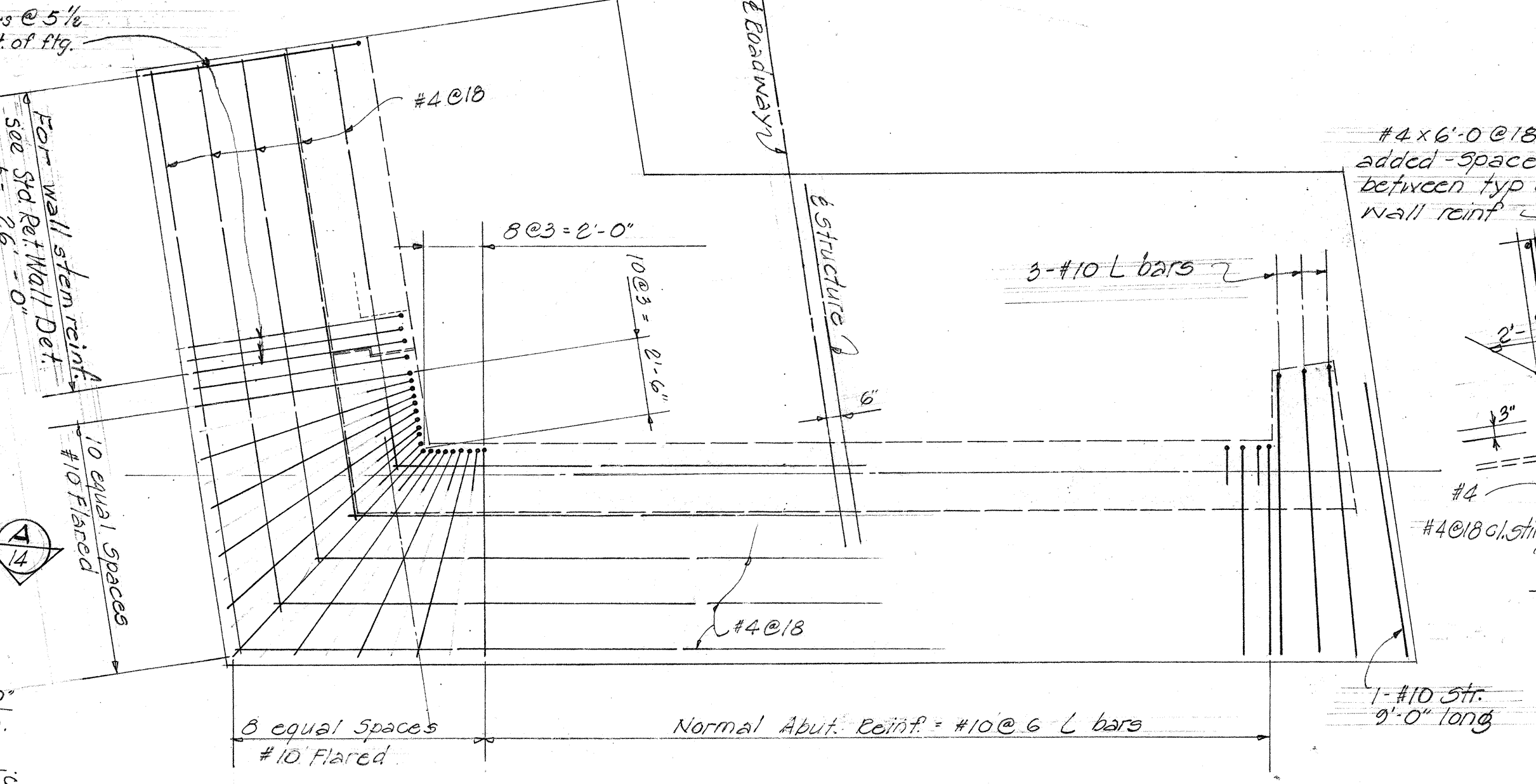
PART PLAN - ABUT #2
Scale: 3/8" = 1'-0"



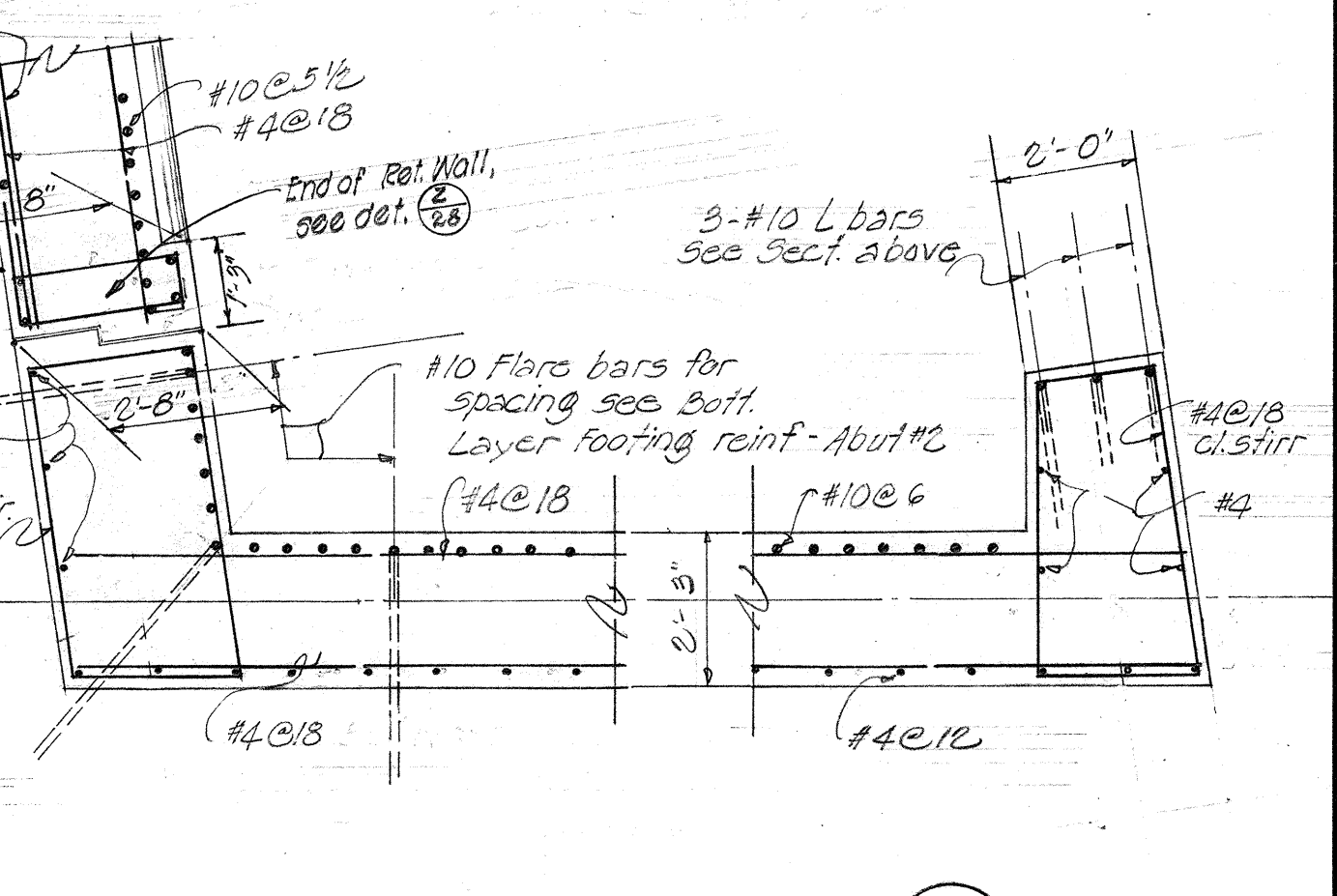
SECTION



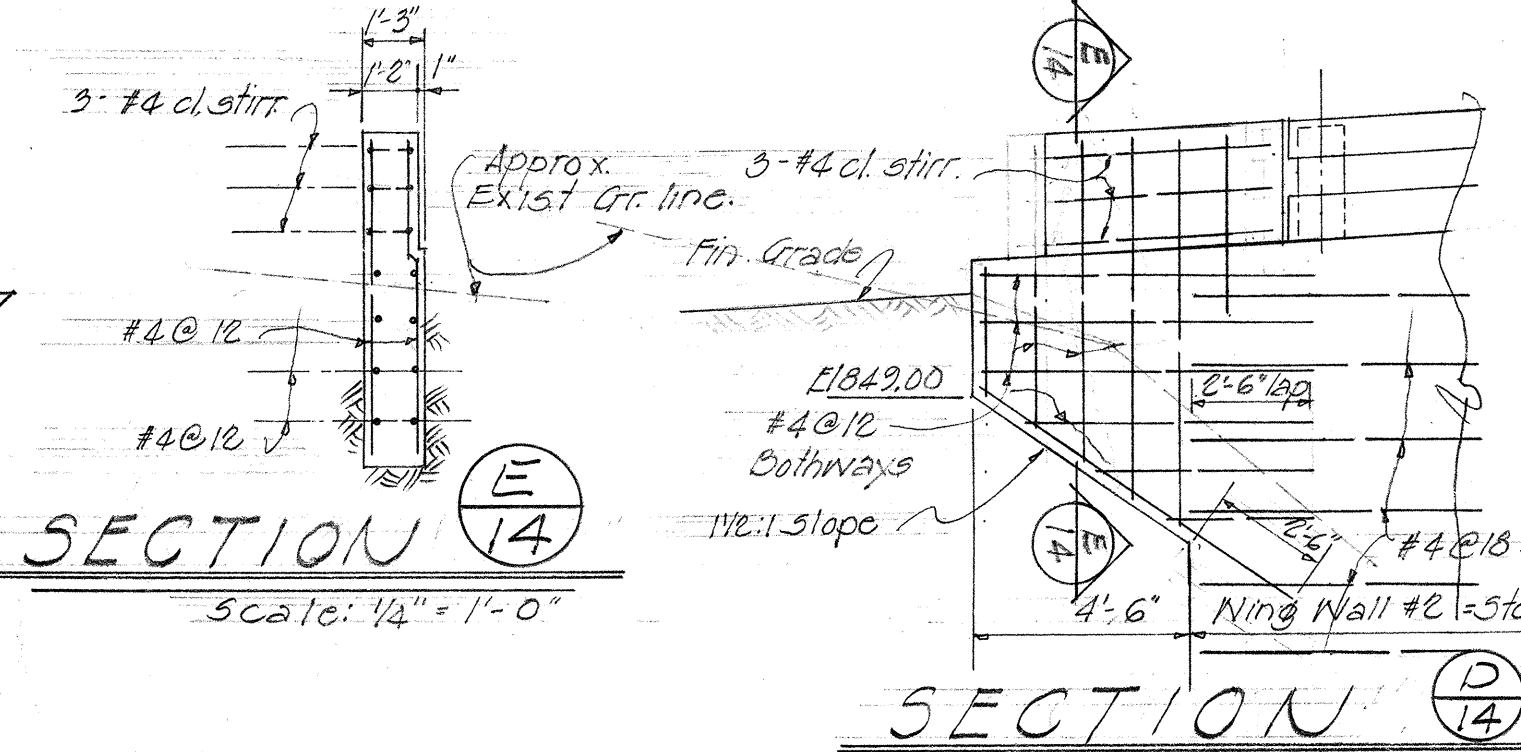
ELEVATION - ABUT #2
Scale: 1/4" = 1'-0"



BOTT. LAYER FT'G REINF. - ABUT #2



SECTION



SECTION

General Notes:
For concrete seat detail, see Sht. No 28 of 29
Except as otherwise noted, all elevations indicated on this sheet are top of finish concrete elevations.

HAWAII STATE HIGHWAY DEPARTMENT
STATE OF HAWAII
BRIDGE #5A
STA. 124+02.00 - 126+70.00
PALI HWY-OUTBOUND
PROJ. NO BF-061-1(8)
OCTOBER 1959

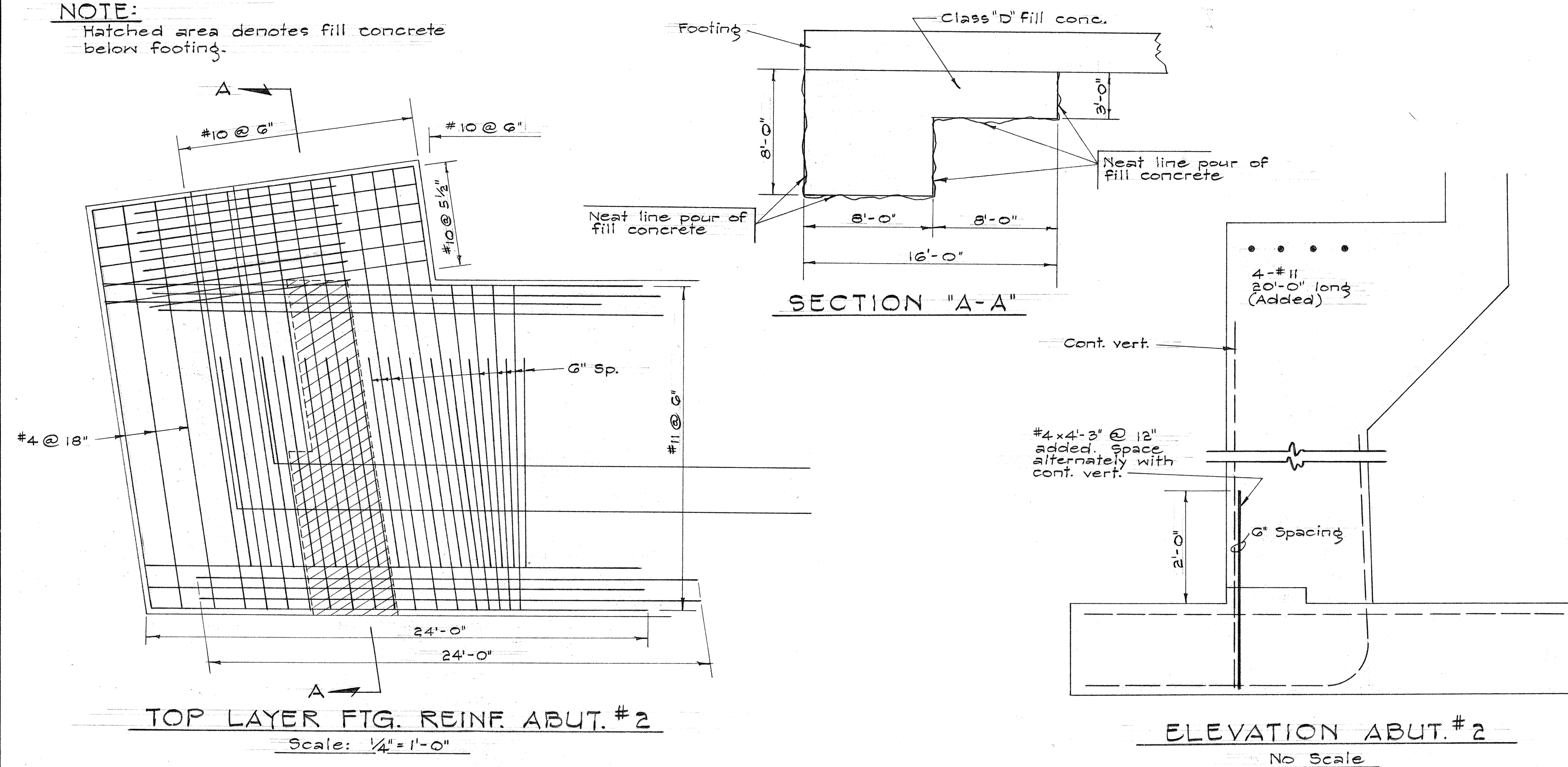
SHEET No. 14 OF 29 SHEETS

.8148.43

DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
QUANTITIES CHECKED BY	
NOTE BOOK NO.	

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

NOTE:
Hatched area denotes fill concrete below footing.



(CONTRACT CHANGE ORDER NO. 3)
BRIDGE 5A, ABUT. #2 AND WING WALL #2
JULY 12, 1960

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SHEET No. OF SHEETS