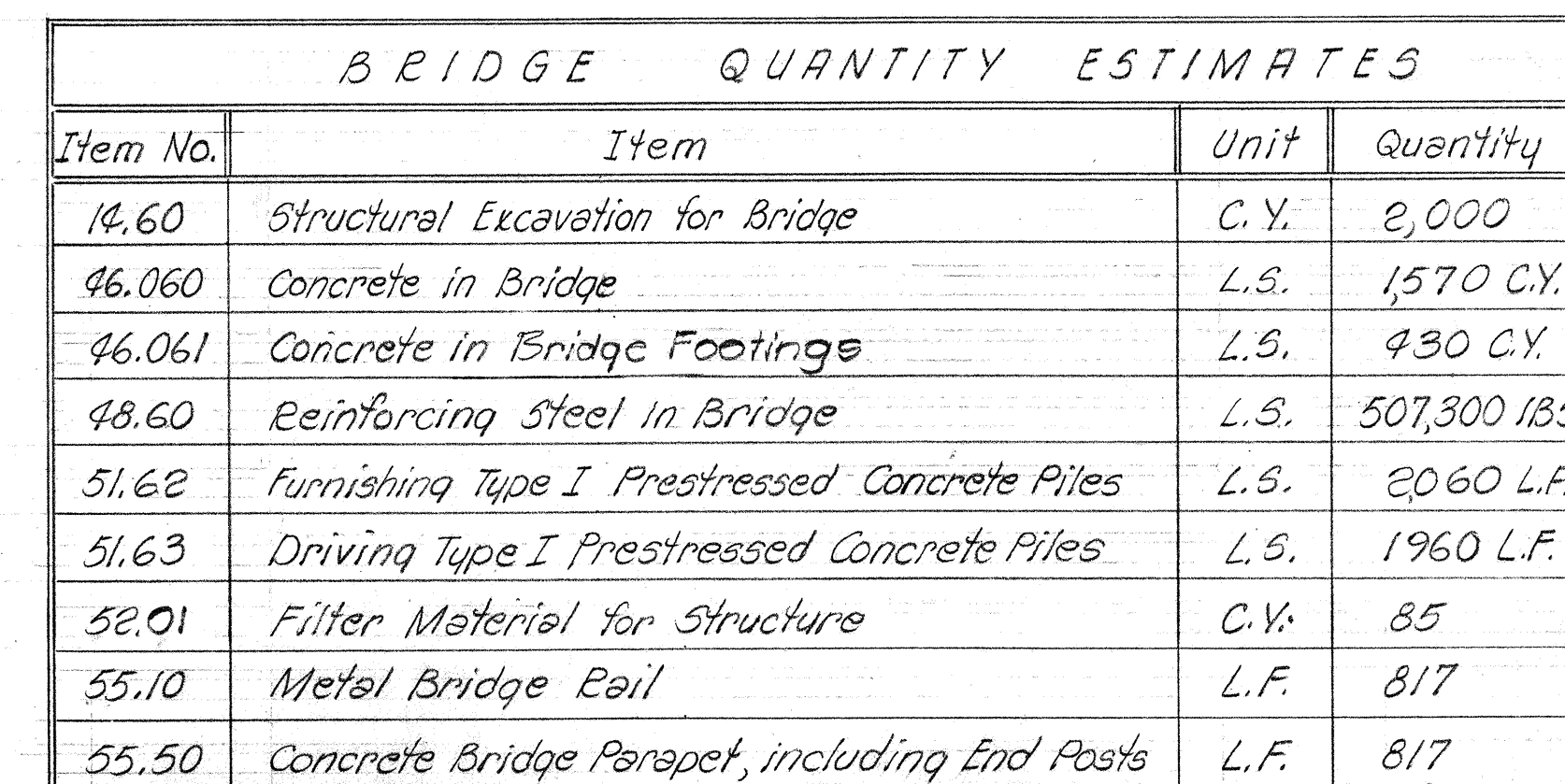




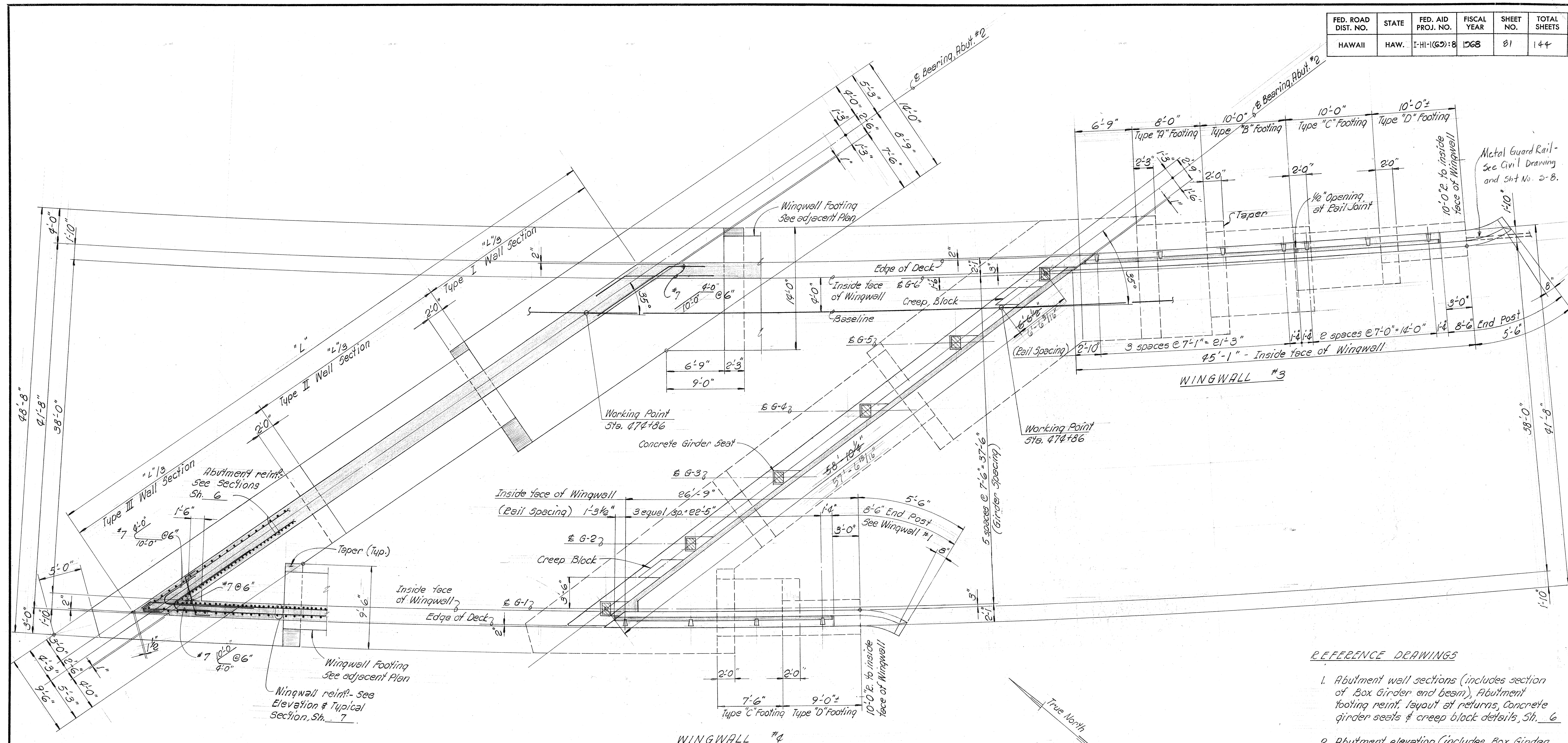
SHIMAZU SHIMABUKURO & FUKUDA, INC.
Consulting Structural Engineers
1210 Ward Ave. Honolulu, Hawaii 96814

Scale : As shown Date : OCT. 1968

SHEET No. 1 OF 3 SHEETS

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Howard G. Finkbe

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(69):8	1968	81	144



FOUNDATION PLAN

PLAN AT ABUTMENT SHELF

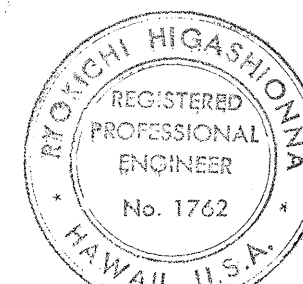
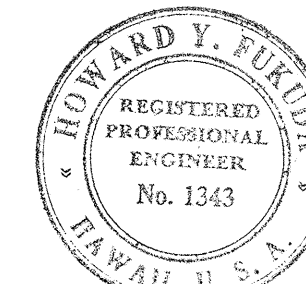
ABUTMENT #2

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

REFERENCE DRAWINGS

1. Abutment wall sections (includes section of Box Girder end beam), Abutment footing reinf. layout at returns, Concrete girder seats & creep block details, Sh. 6
2. Abutment elevation (includes Box Girder end beam), part plan showing Box Girder end beam reinf. layout, wingwalls #3 & #4 elevations, typical section & footing schedule, Sh. 7
3. Metal Rail details, Sh. 57

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DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

STRUCTURE No. 5

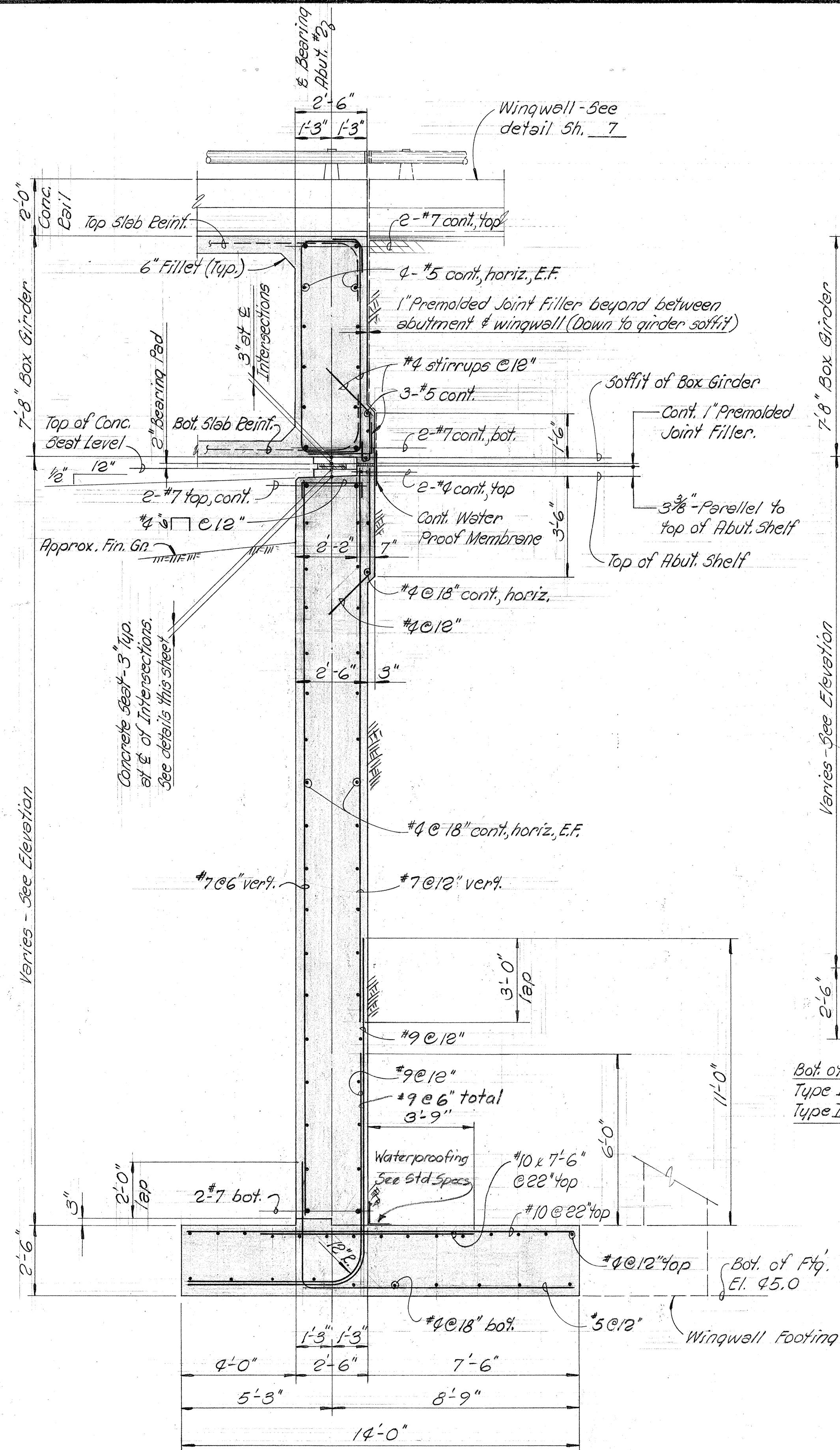
ABUTMENT #2 PLANS

WAIKAWA INTERCHANGE
F.A.I. Proj. No. I-HI-1(69):8

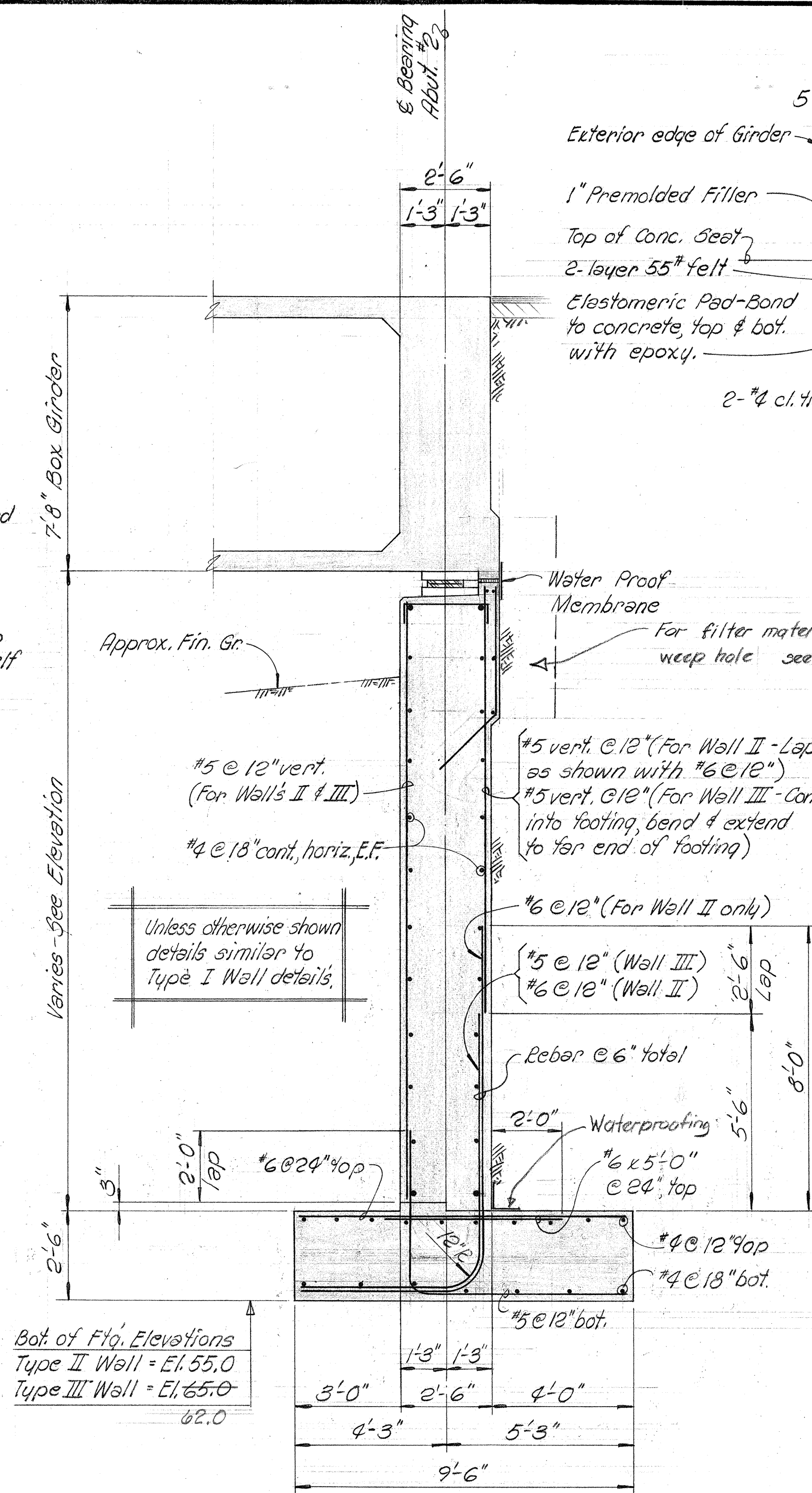
Scale: As shown Date: OCT. 1968

SHEET No. 5 OF 13 SHEETS

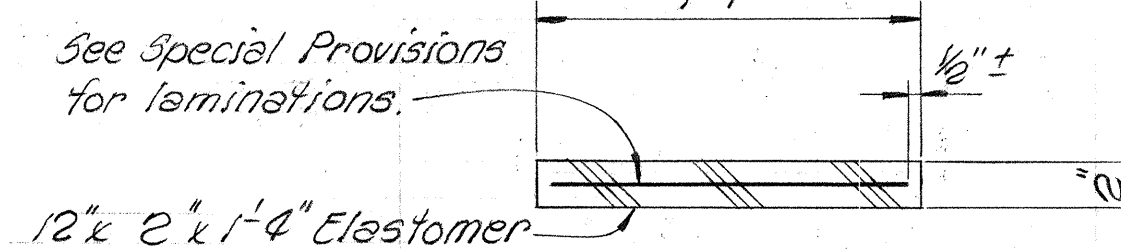
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(60):8	1968	21	144



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

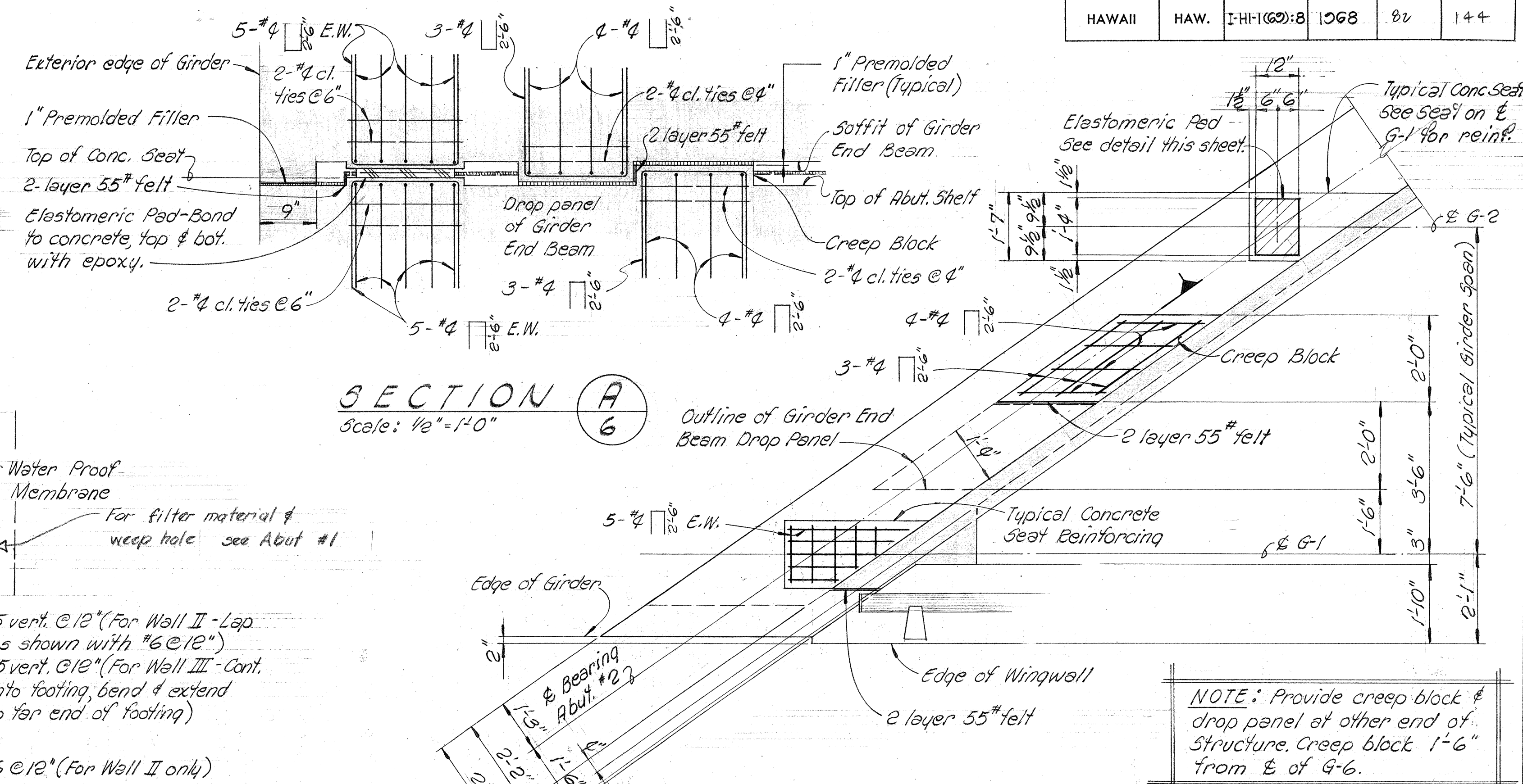


TYPE II & III WALL SECTION
Scale: 3/8" = 1'-0"



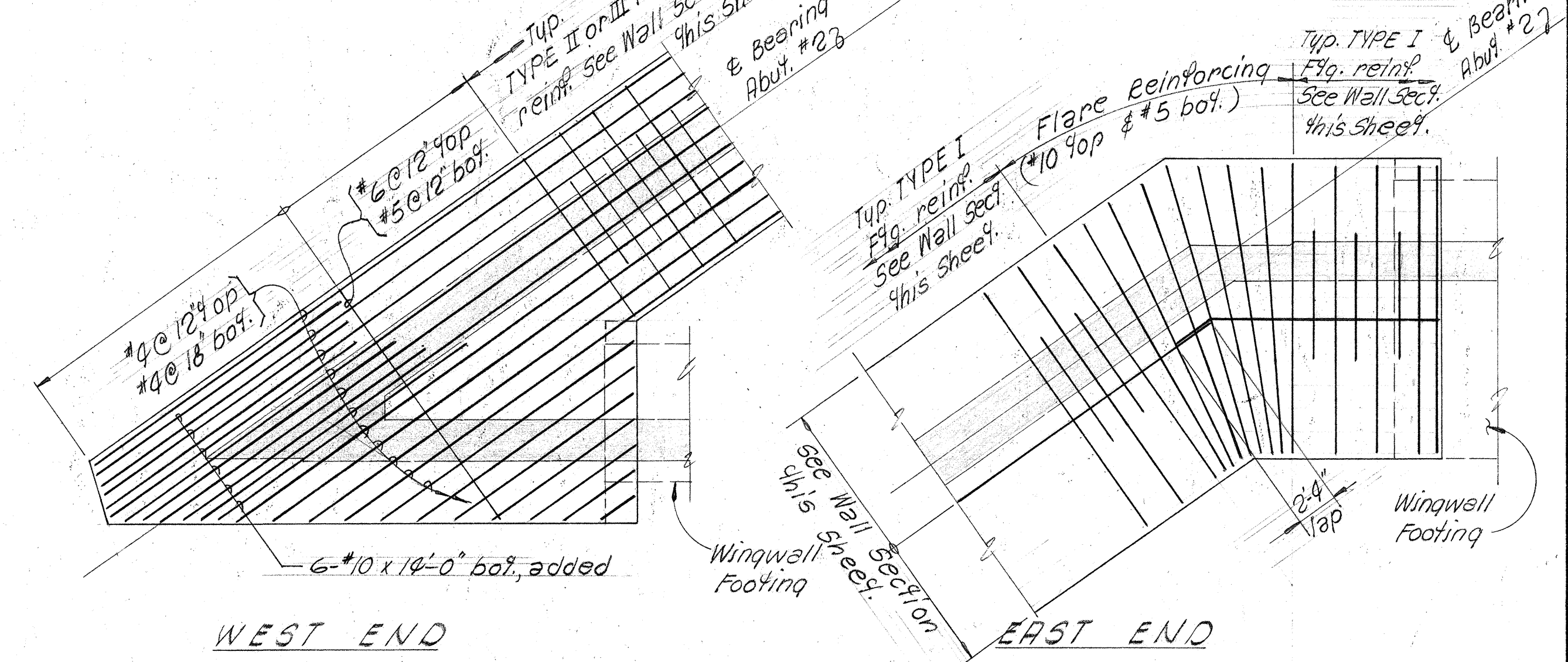
SECTION
ELASTOMERIC
BEARING PAD DETAIL

ABUTMENT #2 DETAILS



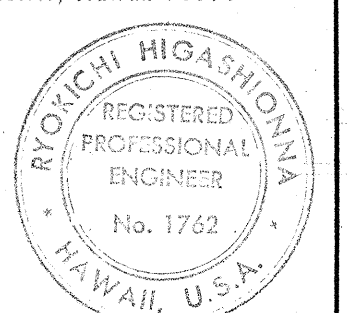
SECTION A
Scale: 1/2" = 1'-0"

PART PLAN ABUTMENT SHELF SHOWING
CONCRETE SEAT & CREEP BLOCK DETAILS
Scale: 1/2" = 1'-0"



PART PLANS-ABUTMENT FOOTING RETURNS SHOWING REINFORCING LAYOUT
Scale: 3/16" = 1'-0"

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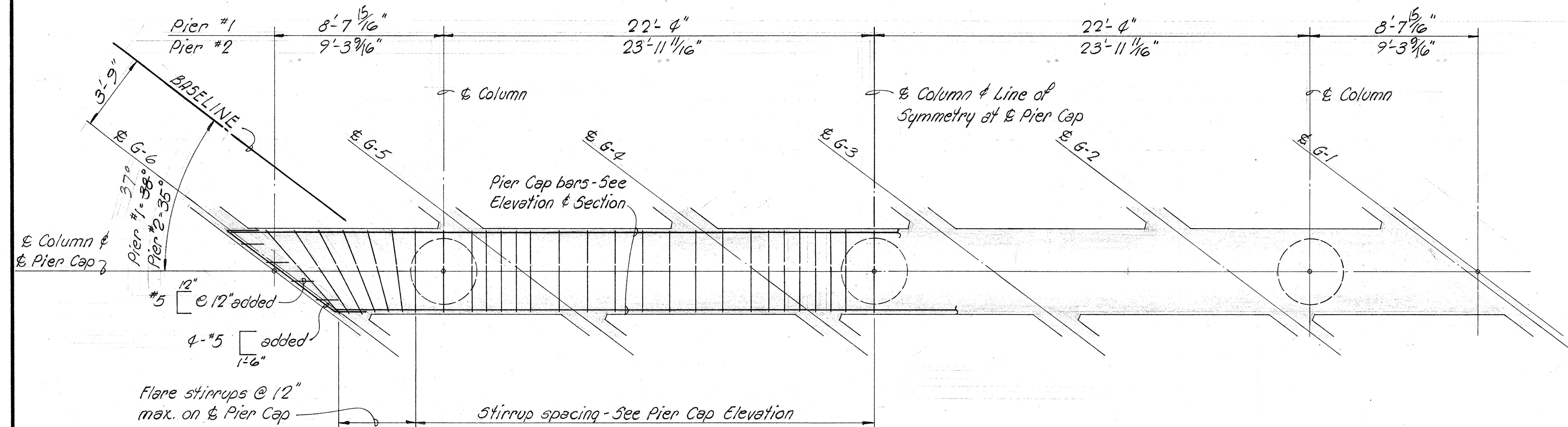
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

STRUCTURE No. 5
ABUTMENT #2
SECTIONS & DETAILS

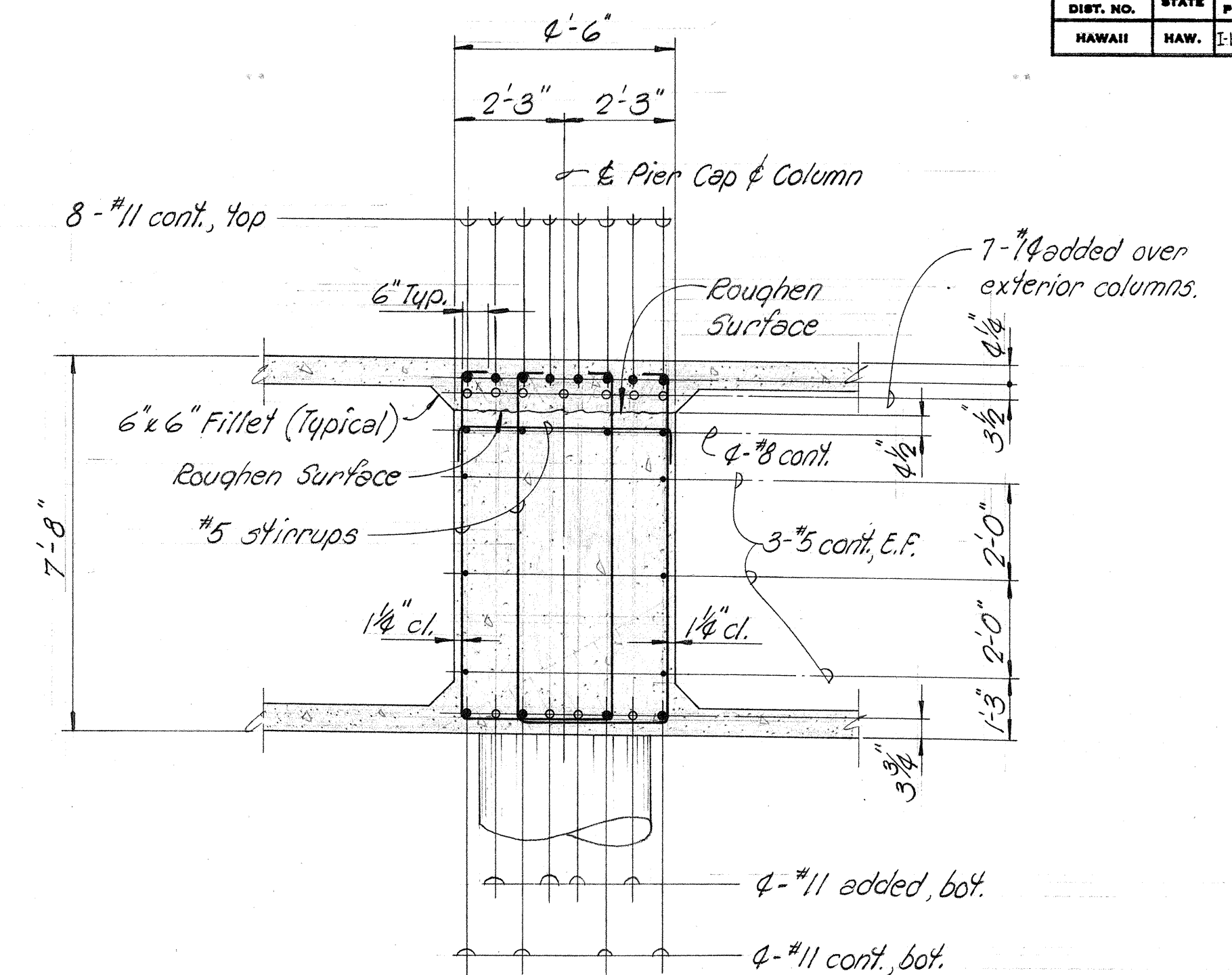
WAIKAWA INTERCHANGE
F.A.I. Proj. No. I-HI-1(60):8

Scale: As shown Date: OCT. 1968
SHEET No. 6 OF 13 SHEETS

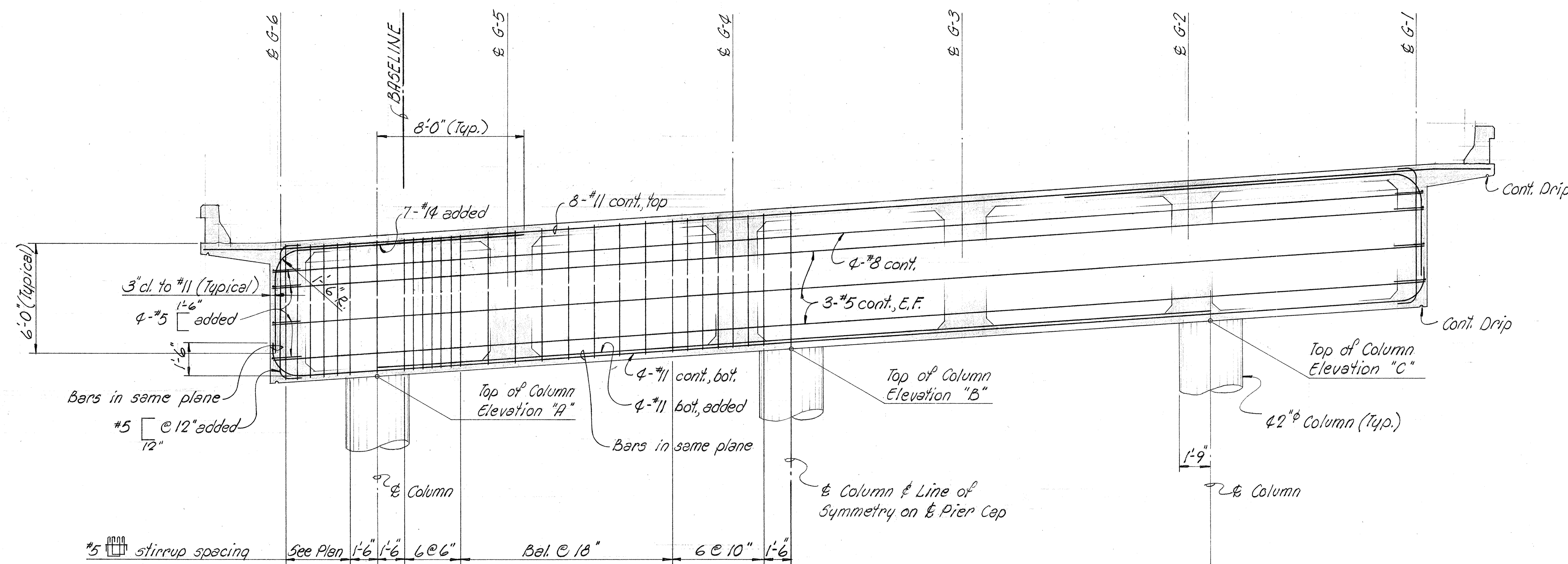
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	E-H-1(60):8	1968	86	144



PIER CAP PLAN
Scale: 1/4" = 1'-0"



TYPICAL PIER CAP SECTION
Scale: 3/8" = 1'-0"



PIER CAP ELEVATION
Scale: 1/4" = 1'-0"

DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
NOTED BY	
REVISION	

SHIMAZU SHIMABUKURO & FUKUDA, INC.
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HOWARD Y. FUKUDA
REGISTERED PROFESSIONAL ENGINEER
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HAWAII, U.S.A.

RYOICHI HIGASHIMURA
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No. 1762
HAWAII, U.S.A.

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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

STRUCTURE NO. 5
PIER CAP DETAILS

WAI'AWA INTERCHANGE
F.A.I. Proj. No. I-H-1(60):8

Scale: As shown Date: OCT. 1968
SHEET No. 9 OF 13 SHEETS

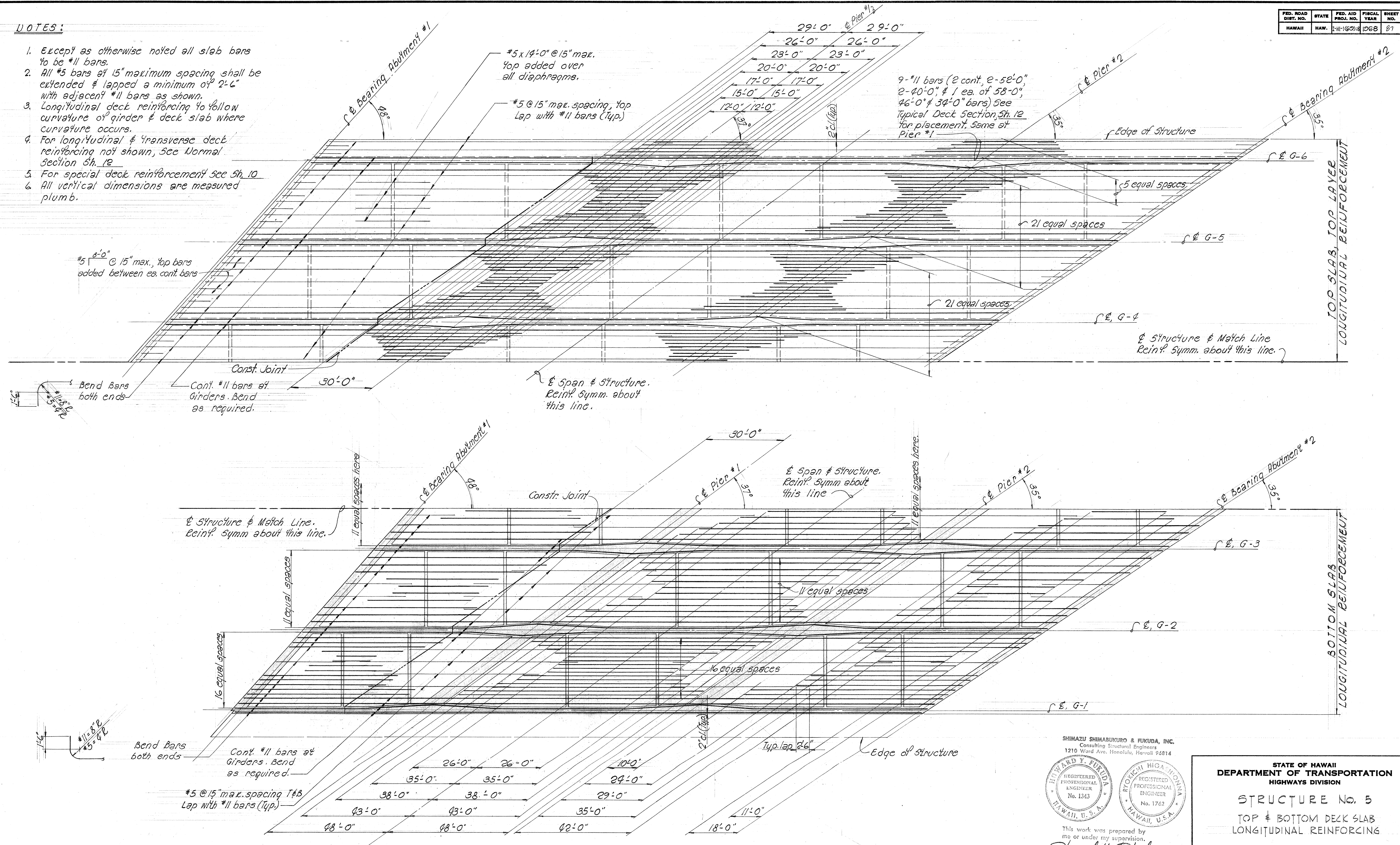
ORIGINAL	SURVEY PLOTTED BY _____	DATE _____
PLAN	DRAWN BY _____	" _____
	TRACED BY _____	" _____
NOTE BOOK	DESIGNED BY _____	" _____
	QUANTITIES BY _____	" _____
No. _____	CHECKED BY _____	" _____



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-HI-169	1968	87	144

NOTES:

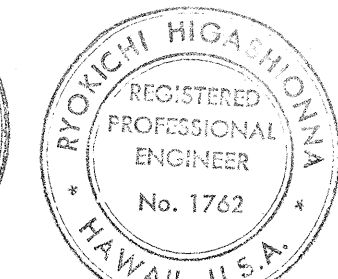
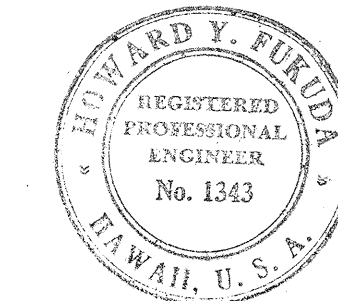
1. Except as otherwise noted all slab bars to be #11 bars.
2. All #5 bars at 15" maximum spacing shall be extended & lapped a minimum of 2'-6" with adjacent #11 bars as shown.
3. Longitudinal deck reinforcing to follow curvature of girder & deck slab where curvature occurs.
4. For longitudinal & transverse deck reinforcing not shown, See Normal Section Sh. 12
5. For special deck reinforcement see Sh. 10
6. All vertical dimensions are measured plumb.



TYPICAL ARRANGEMENT OF TOP SLAB, TOP LAYER & BOTTOM SLAB LONGITUDINAL DECK REINFORCEMENT

Scale: Horiz. $\frac{1}{16}'' = 1'-0''$ Vert. $\frac{1}{8}'' = 1'-0''$

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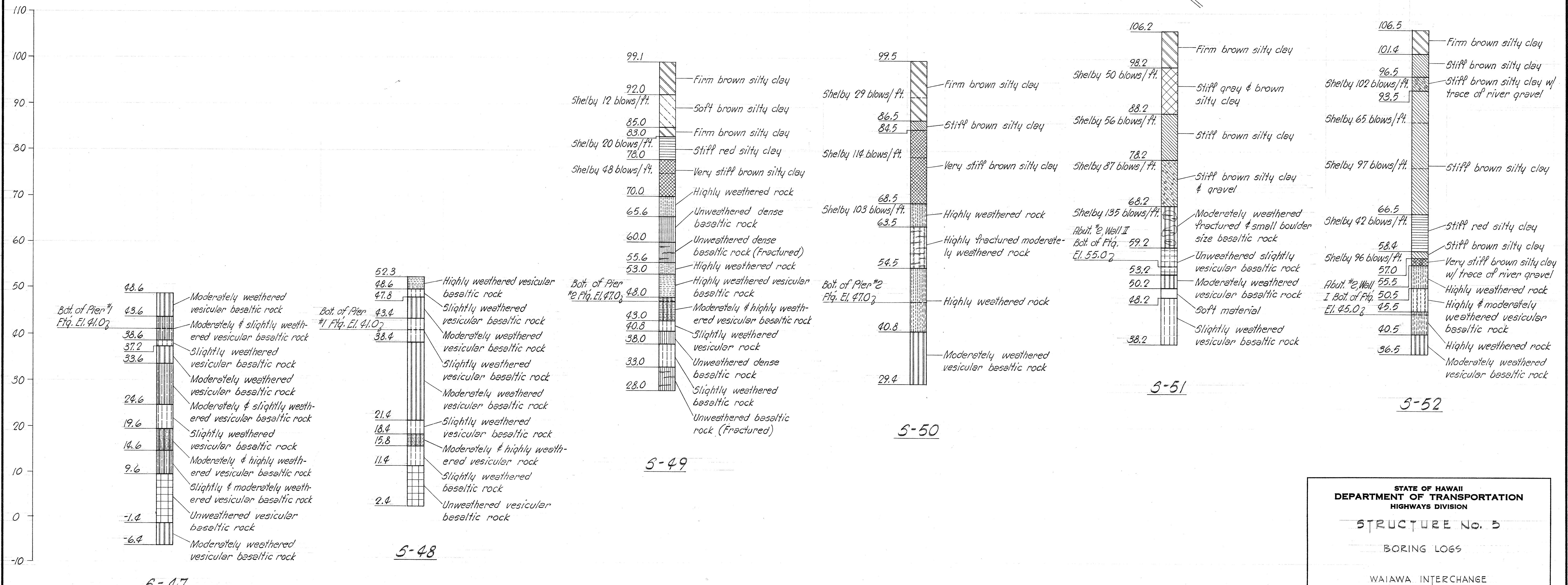
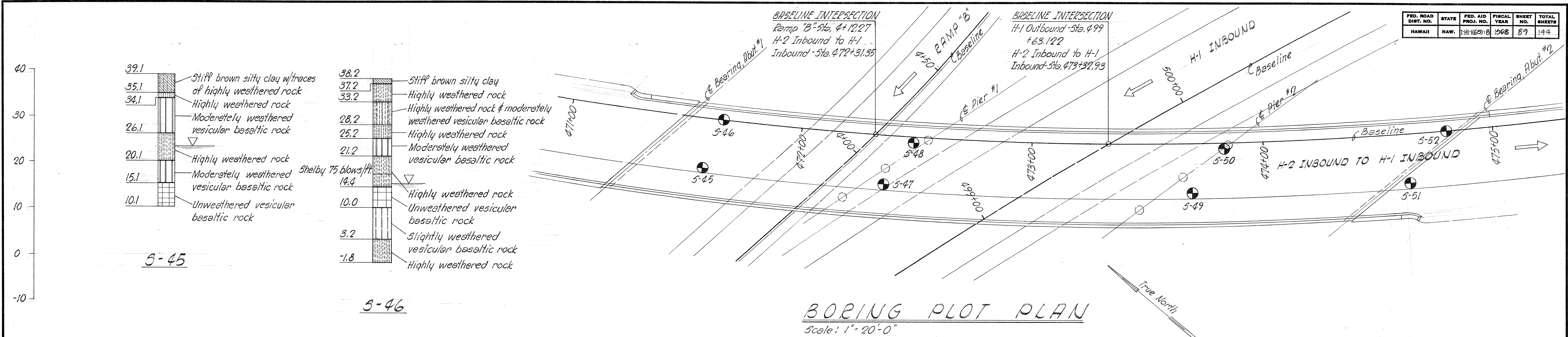
STRUCTURE No. 5
TOP & BOTTOM DECK SLAB
LONGITUDINAL REINFORCING

WAIAWA INTERCHANGE
F.A.I. Proj. No. I-HI-1 (69):8

Scale: As shown Date: OCT. 1968

SHEET No. 11 OF 13 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	111(60)18	1968	89	144



BORING LOGS FOR STRUCTURE 5

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

STRUCTURE NO. 5

BORING LOGS

WAI'AWA INTERCHANGE
F.A.I. Proj. No. I - HI - 1 (60) : 8

Scale: As shown Date: OCT. 1968

SHEET No. 13 OF 13 SHEETS