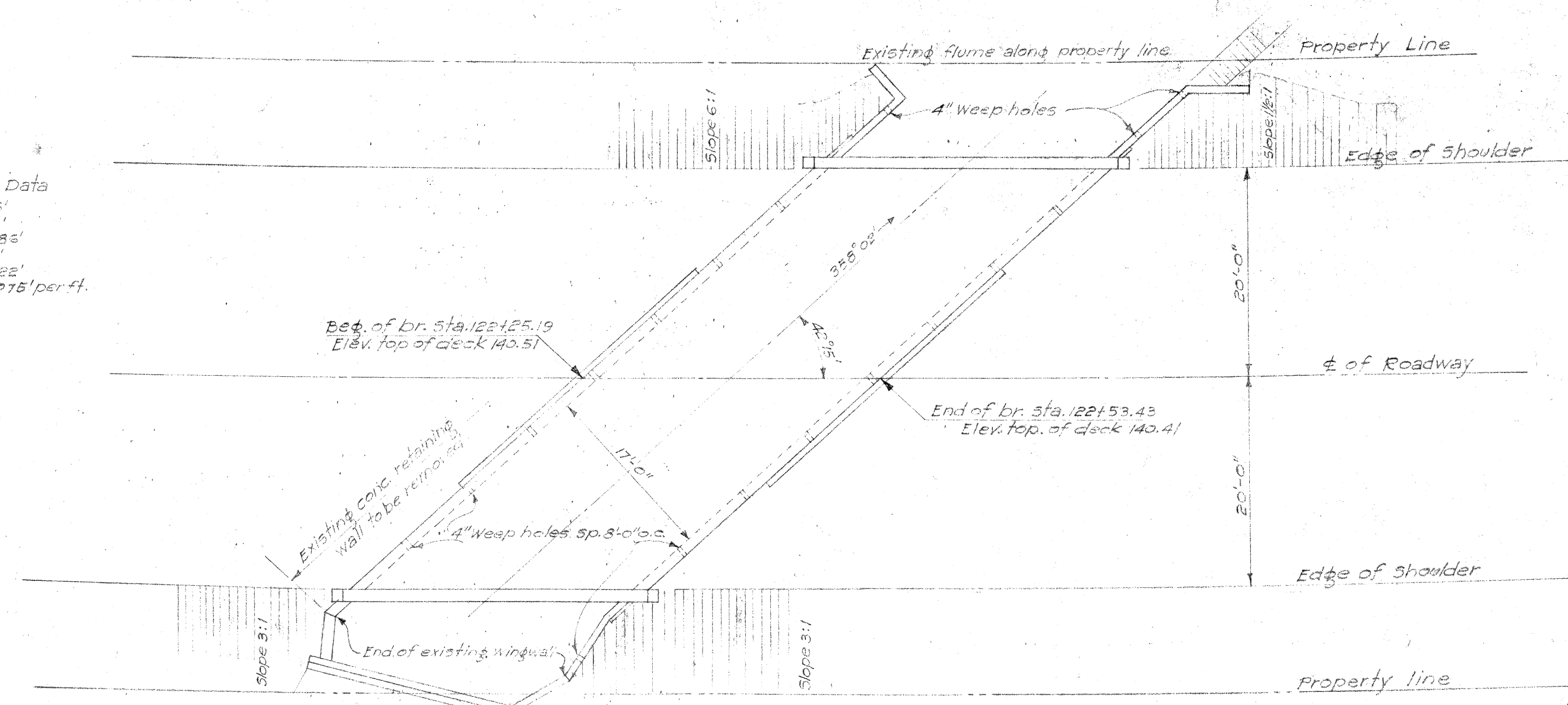
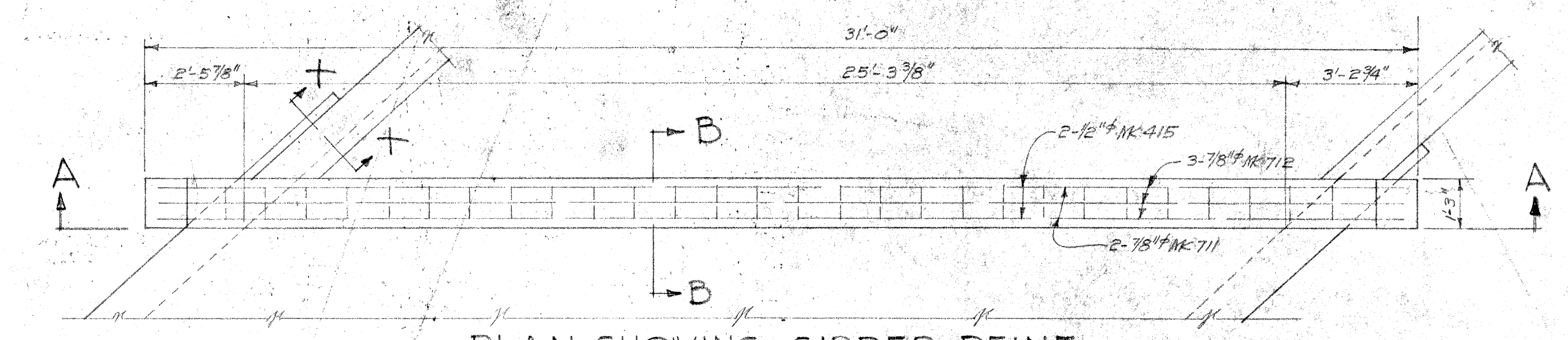


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	4-D (1)	1960	14	23

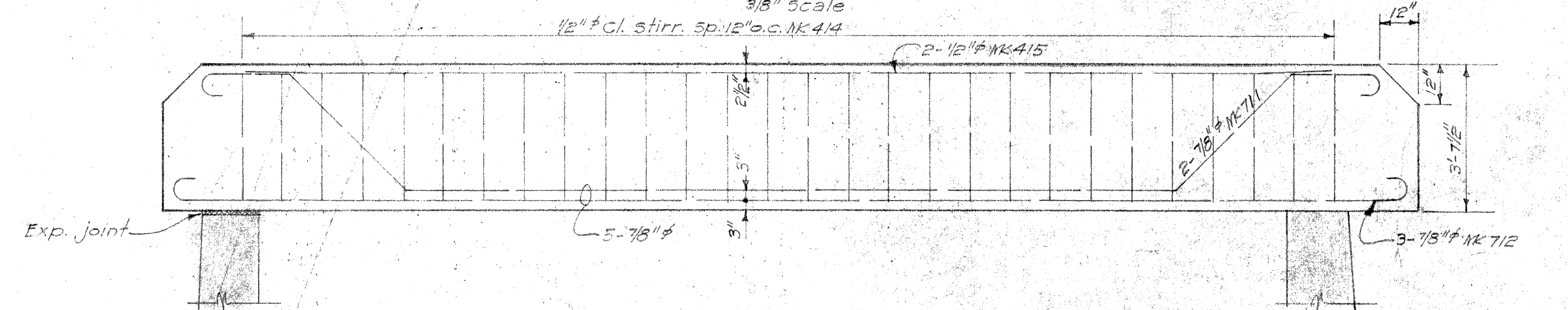
Curve Data  
 $\Delta = 32^\circ 46'$   
 $D = 3^\circ 00'$   
 $R = 1904.95'$   
 $T = 581.5'$   
 $L = 1062.22'$   
 $S.E. = 0.278'$  per ft.



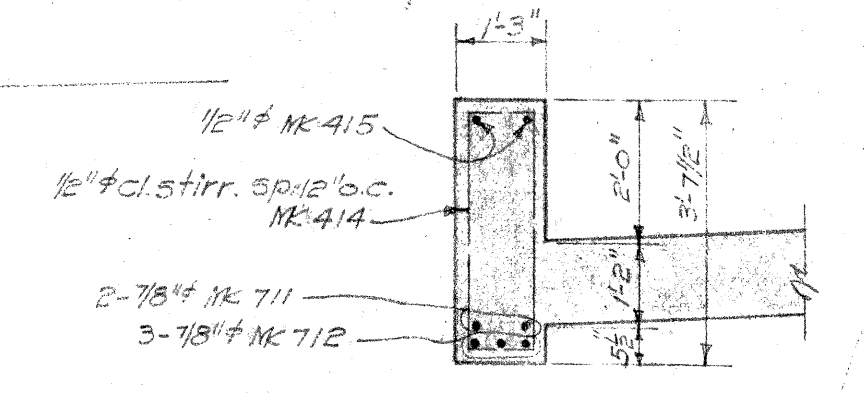
LAYOUT PLAN  
 Scale 1"=10'



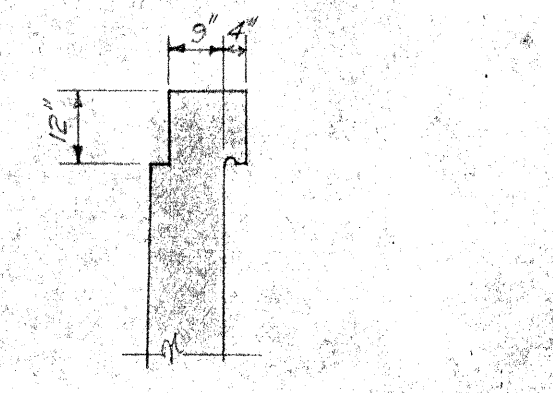
PLAN SHOWING GIRDER REINF.  
 Scale 3/8" Scale



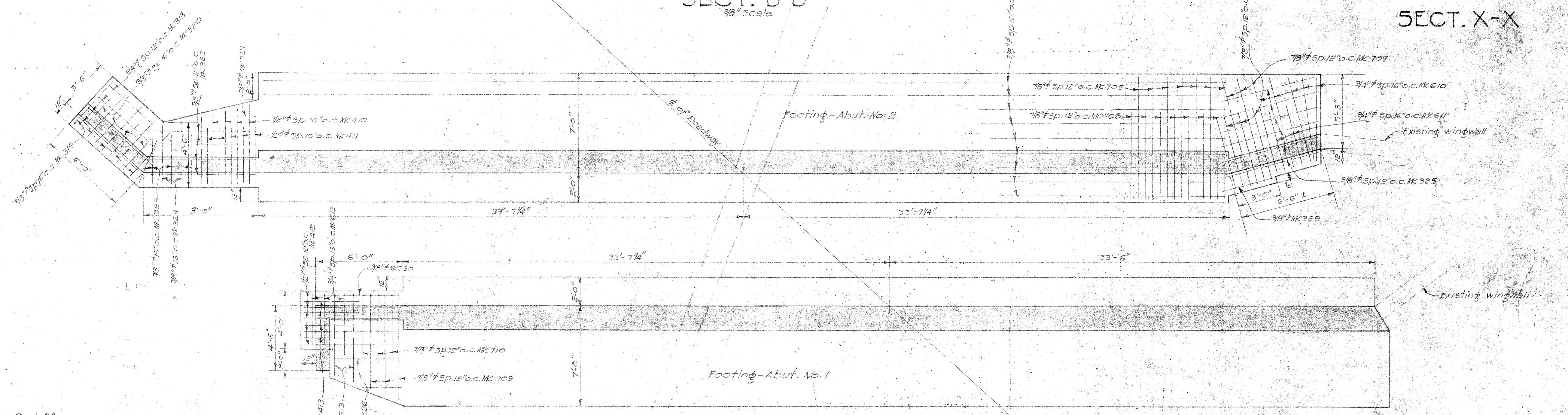
SECT. A-A  
 3/8" Scale



SECT. B-B  
 3/8" Scale



SECT. X-X



FOOTING PLAN  
 1/4" Scale

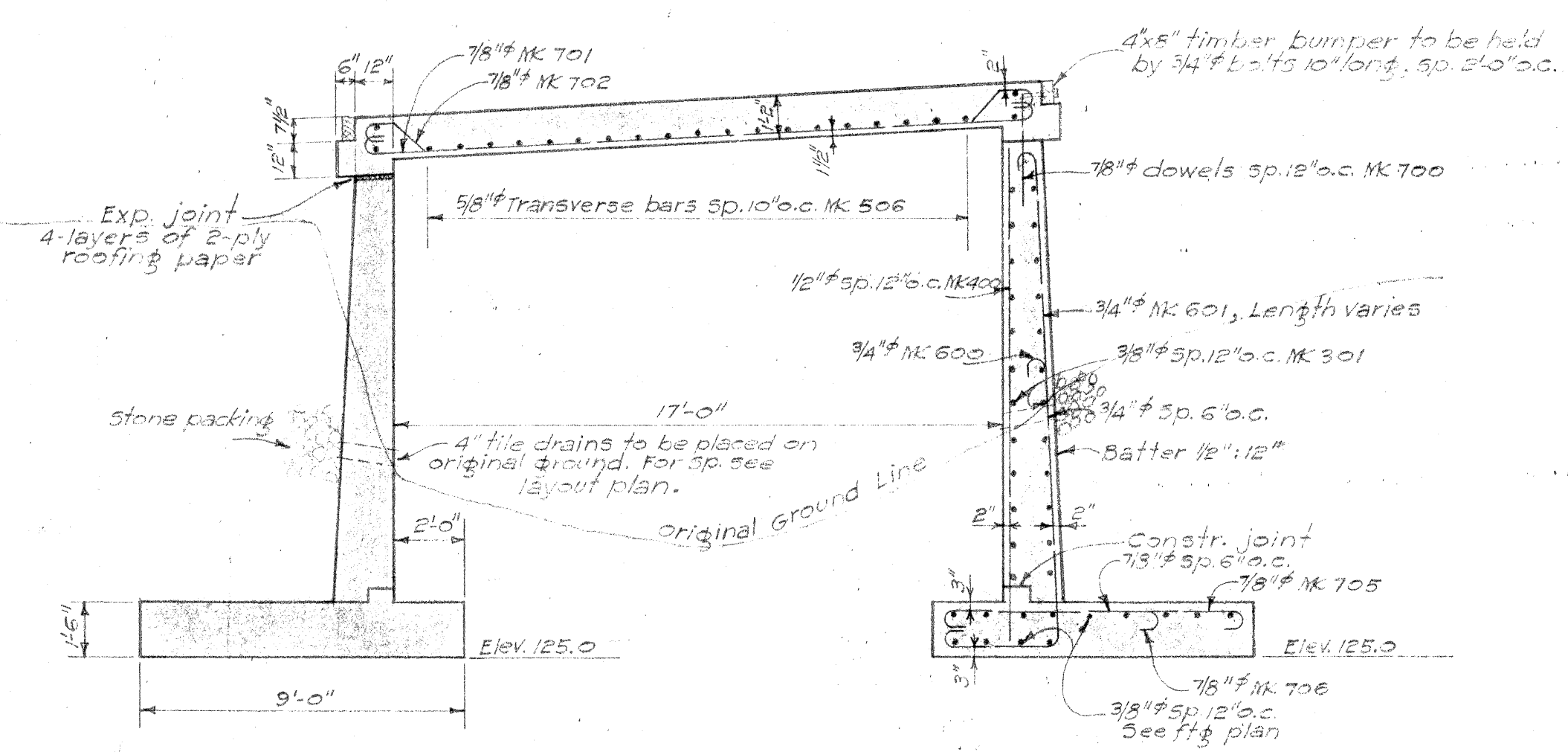
NOTE: For Brush Coat Waterproofing See Sect. 24 Pamphlet "N" of the Specifications.

LOCATION	CLASS	COV. C.Y.	REIN. STR. LBS.	STR. EXC. C.Y.
SUPERST.	62.6		7,852.0	
ABUT.	71.4		87,930	
WINGWALLS	12.2		124.0	
FOOTINGS	76.0		618.50	625.0
TOTAL	225.2		24,073.0	625.0

SURVEY PLOTTED BY: DATE: 3/26/58  
 DRAWN BY: P. W. H. 3/26/58  
 TRACED BY: P. W. H. 3/26/58  
 NOTE BOOK: 11-11-58  
 QUANTITIES CHECKED BY: P. W. H. 3/26/58  
 CHECKED BY: P. W. H. 3/26/58

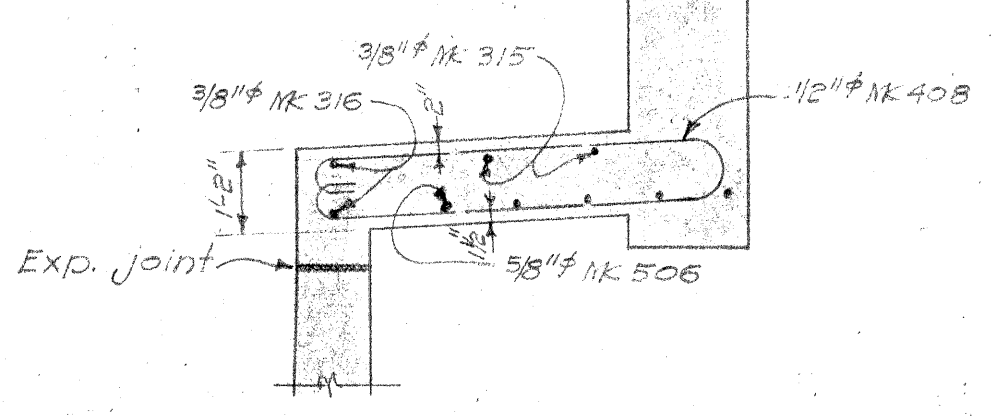
Farrington Hwy Bridge #2  
 TERRITORIAL HIGHWAY DEPARTMENT  
 TERRITORY OF HAWAII  
 BRIDGE No. 2  
 STA. 122+25.19 TO 122+53.43  
 WAIAANAE ROAD F.A.P. 4-D (1)  
 SHEET No. 14 OF 23 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HI	4-D(1)	1940	15	23

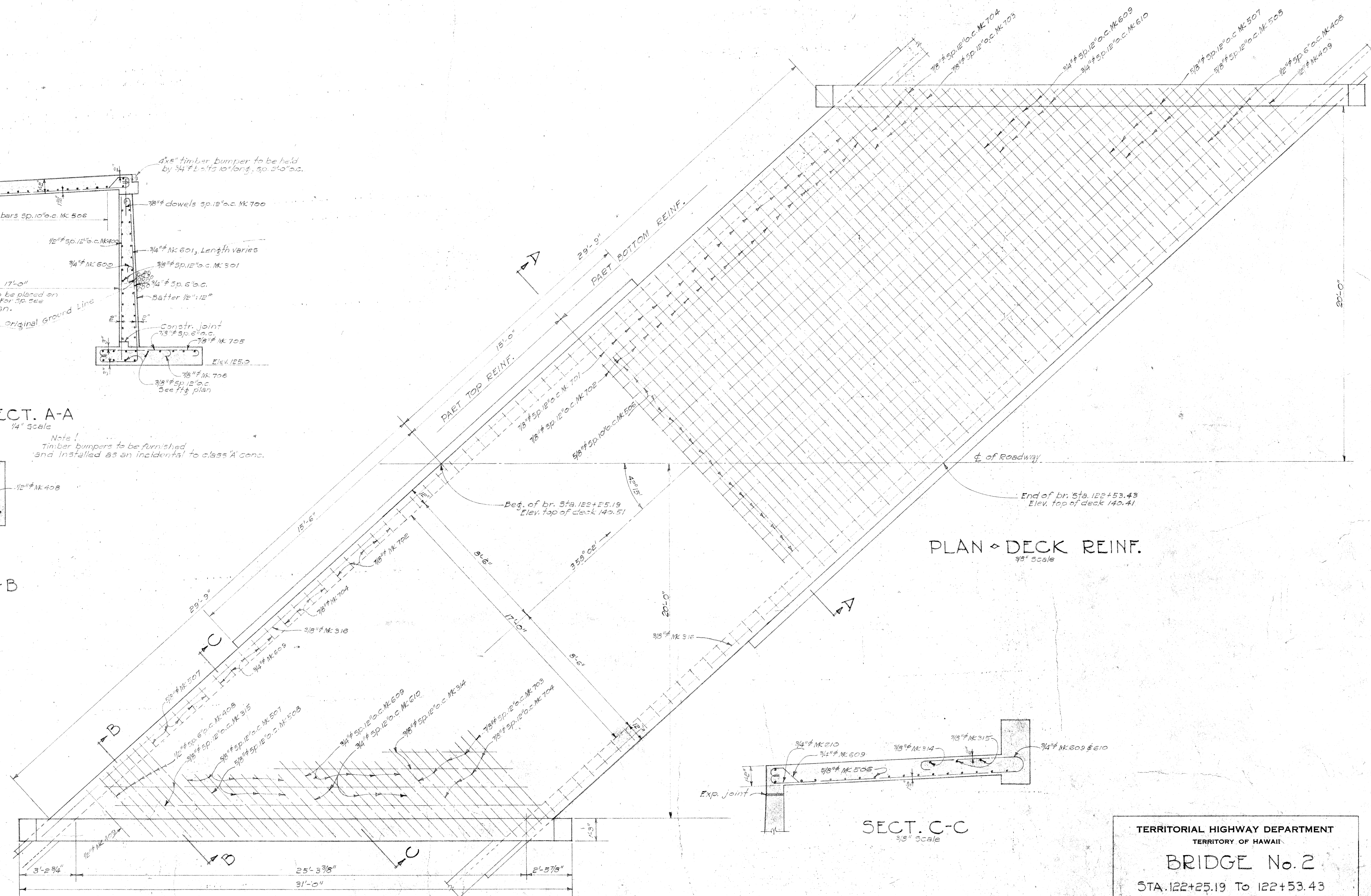


SECT. A-A  
1/4" Scale

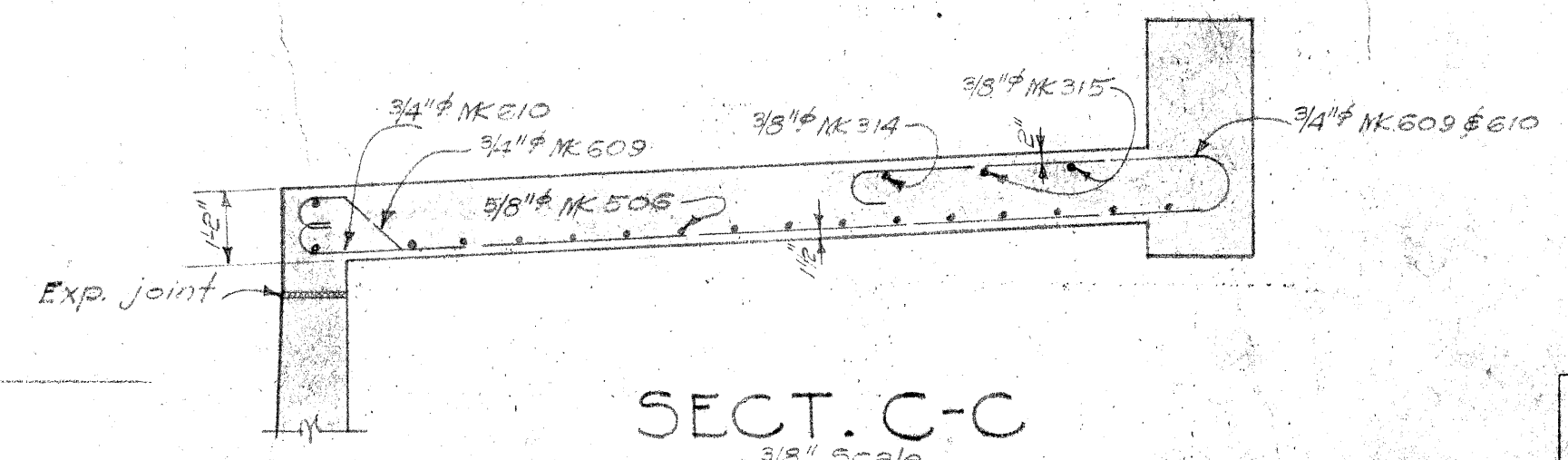
Note!  
Timber bumpers to be furnished and installed as an incidental to class 'A' conc.



SECT. B-B  
3/8" Scale



PLAN - DECK REINF.  
3/8" Scale

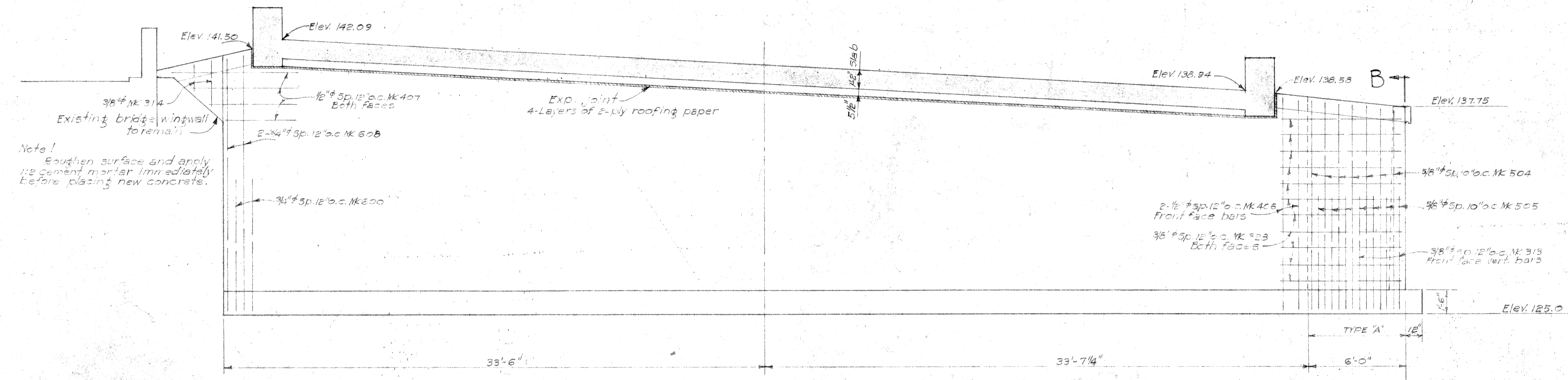


SECT. C-C  
3/8" Scale

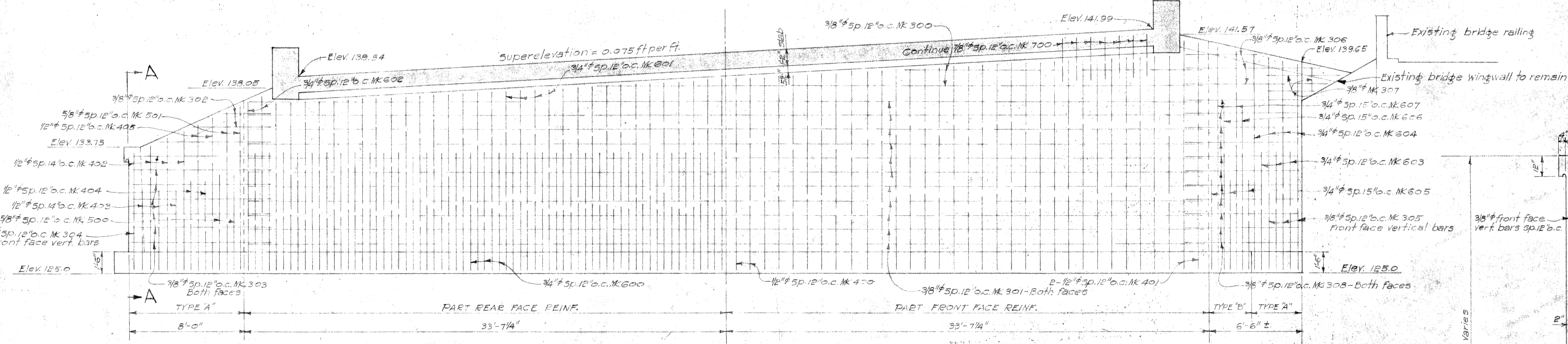
SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
QUANTITIES CHECKED BY	
CHECKED BY	

TERRITORIAL HIGHWAY DEPARTMENT  
TERRITORY OF HAWAII  
**BRIDGE No. 2**  
STA. 122+25.19 To 122+53.43  
VAIANAE ROAD F.A.P. 4-D(1)

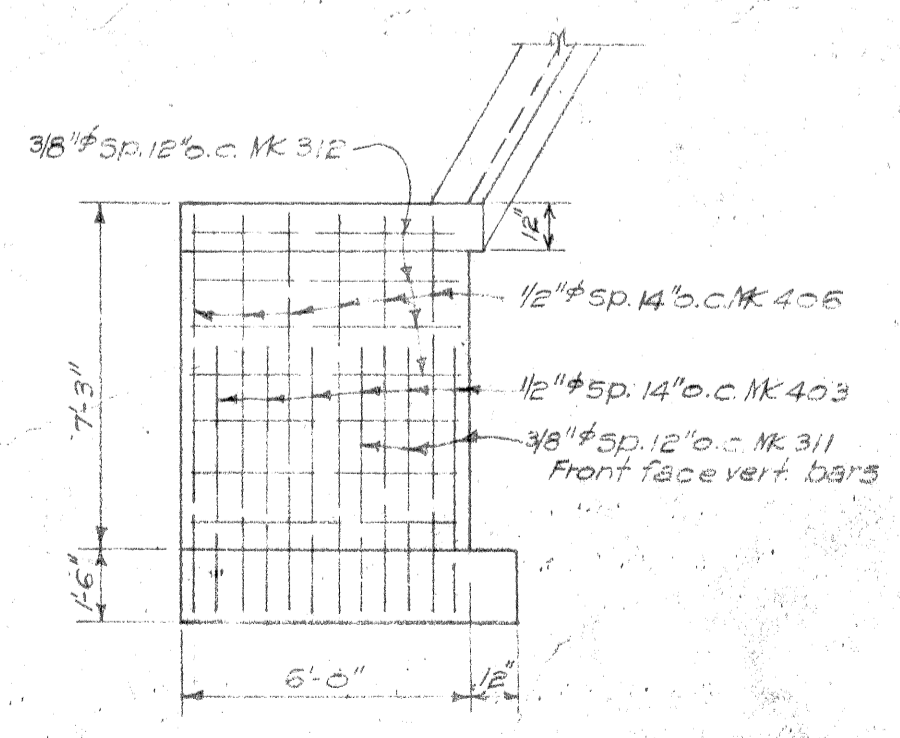
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1A1111	HA	4-D-11	1940	16	23



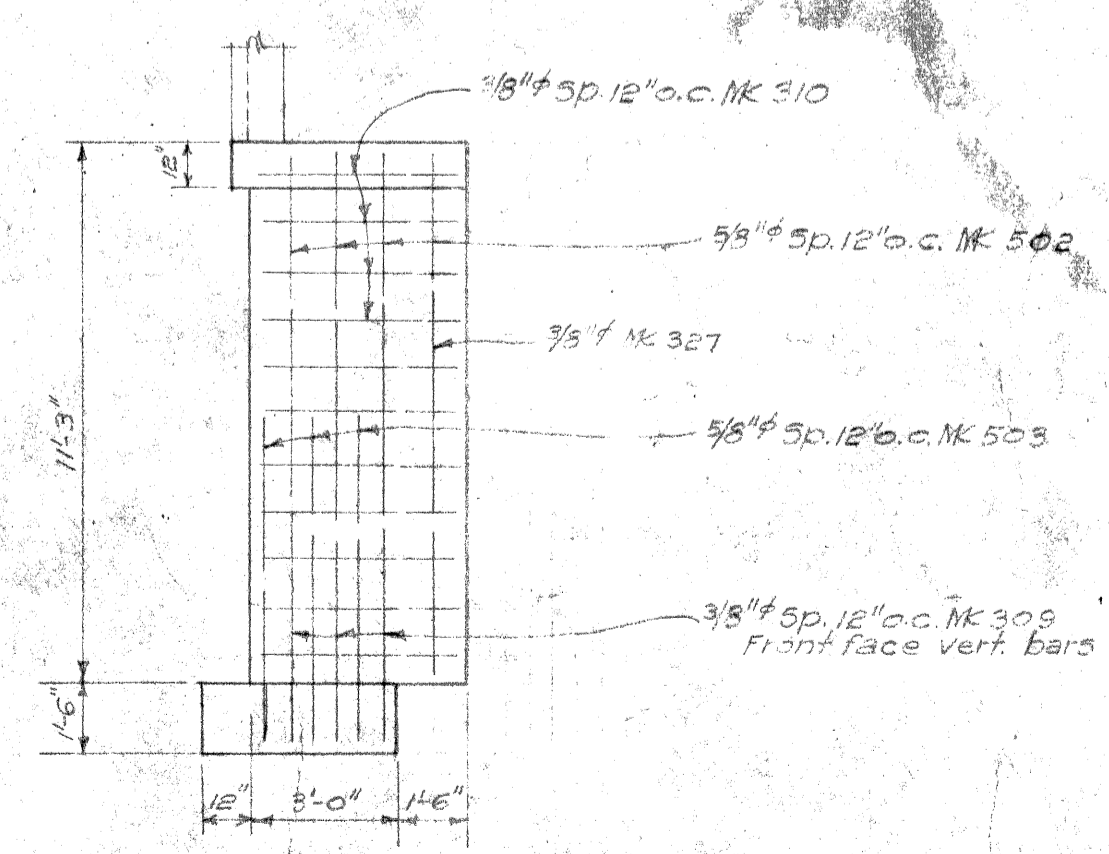
ABUTMENT No. 1  
1/4" Scale



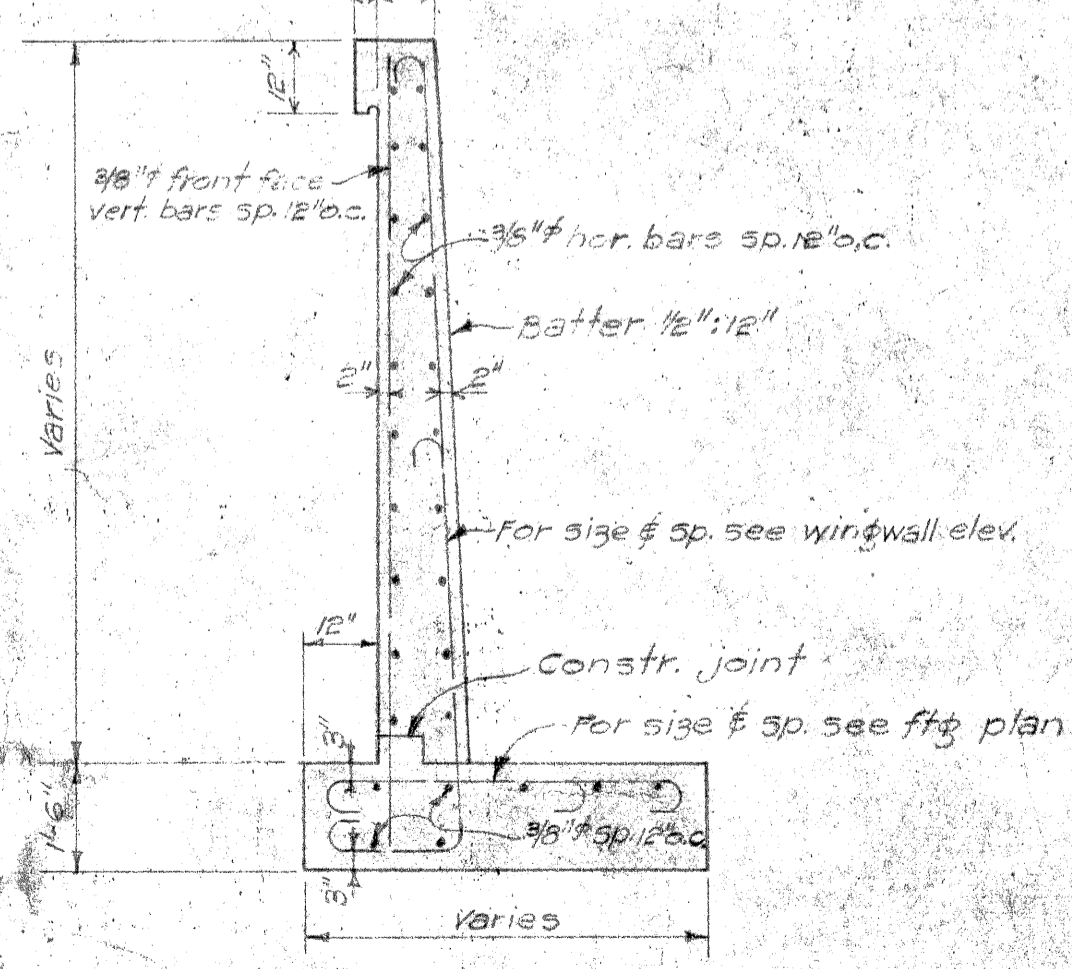
ABUTMENT No. 2  
1/4" Scale



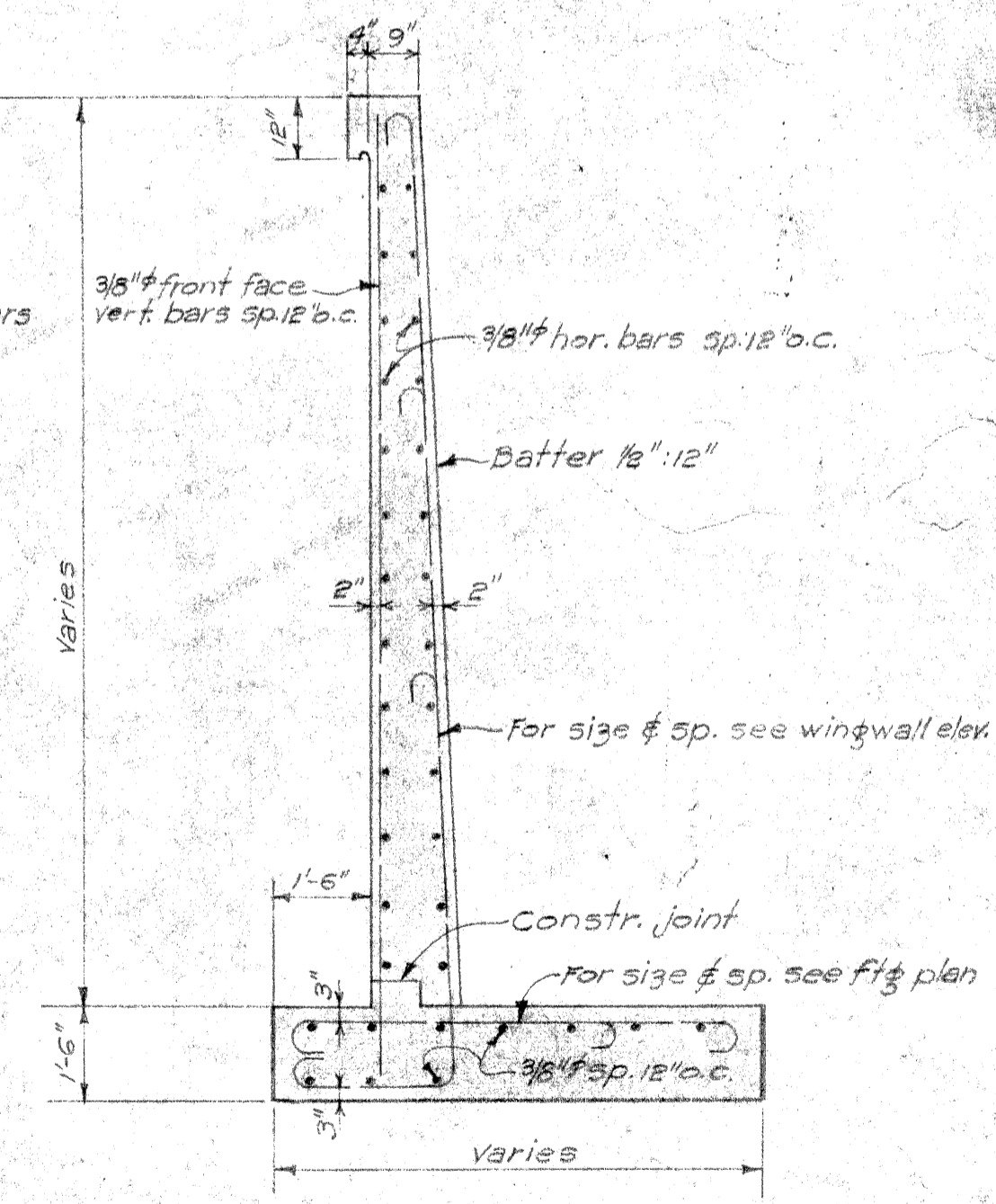
SECT. A-A  
1/4" Scale



SECT. B-B  
1/4" Scale



TYPE 'A' WINGWALL  
3/8" Scale



TYPE 'B' WINGWALL  
3/8" Scale

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

Note!  
For constr. joint detail and waterproofing  
See Bridge No. 1, Sheet No. 3.

TERRITORIAL HIGHWAY DEPARTMENT  
TERRITORY OF HAWAII  
**BRIDGE No. 2**  
STA. 122+25.19 TO 122+53.43  
VAIANAE ROAD F.A.P. 4-D-11

SHEET No. 3 OF 5 SHEETS

4468.16

# STEEL SCHEDULE

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	4D(1)	1940	17	23

MK	DESCRIPTION	Location	Size	Length	No. of Bars in Ea. Unit	No. of Units	Total No. of Bars	Total Length	Wt. Per Ft.	Total Weight	MK	DESCRIPTION	Location	Size	Length	No. of Bars in Ea. Unit	No. of Units	Total No. of Bars	Total Length	Wt. Per Ft.	Total Weight	MK	DESCRIPTION	Location	Size	Length	No. of Bars in Ea. Unit	No. of Units	Total No. of Bars	Total Length	Wt. Per Ft.	Total Weight		
320		FOOTINGS	3/8"	3'-9"	4	1	4	15.0	0.38	6	603		WING WALLS	3/4"	12'-0"	3	1	3	36.0	1.50	54	309	12'-3"	WING WALLS	3/8"	12'-3"	3	1	3	36.75	0.38	14		
319		"	"	4'-9"	5	1	5	23.75	"	9	604		"	"	Var. AV. 18'-2"	4	1	4	72.68	"	109	327	10'-9"	"	"	10'-9"	2	1	2	21.5	"	8		
318		"	"	5'-9"	6	1	6	34.5	"	13	605		"	"	10'-6"	3	1	3	31.5	"	47	314	AV. 2'-9"	Abut. No. 1-Rt.	"	Var. AV. 2'-3"	2	2	4	9.0	"	3		
323		"	"	4'-3"	4	1	4	17.0	"	6	606		"	"	15'-6"	2	1	2	31.0	"	46	407	AK 6'-0"	"	1/2"	Var. AV. 6'-0"	4	2	8	48.0	0.67	32		
322		"	"	7'-6"	6	1	6	45.0	"	17	607		"	"	Var. AV. 19'-6"	2	1	2	39.0	"	58													
324		"	"	Var. AV. 5'-0"	2	1	2	10.0	"	4	306		"	3/8"	Var. AV. 8'-2"	3	2	6	49.0	0.38	19	400	AV. 13'-3"	ABUT.	1/2"	Var. AV. 13'-3"	63	2	126	1669.5	0.67	1119		
321		"	"	3'-6"	1	1	1	3.5	"	2	305		"	"	Var. AV. 15'-0"	7	1	7	105.0	"	40	401	AV. 16'-0"	"	"	Var. AV. 16'-0"	2	2	4	64.0	"	43		
410		"	1/2"	Var. AV. 6'-2"	4	1	4	24.68	0.67	16	308		"	"	8'-0"	11	2	22	176.0	"	67	406	AV. 13'-0"	"	"	Var. AV. 13'-0"	2	2	4	52.0	"	35		
411		"	"	4'-10"	5	1	5	24.15	"	16	307		"	"	Var. AV. 4'-0"	3	2	6	24.0	"	10	600		"	3/4"	13'-2"	67	2	134	1764.8	1.50	2647		
610		W.W. Abut. No. 2-Lt.	3/4"	Var. AV. 7'-8"	5	1	5	38.35	1.50	57	403		Abut. No. 2-Lt.	1/2"	8'-2"	9	1	9	73.53	0.67	49	601		"	"	Var. AV. 16'-5"	64	2	128	2101.76	"	3153		
611		"	"	5'-11"	2	1	2	11.84	"	18	402		"	"	Var. AV. 11'-6"	4	1	4	46.0	"	31	602		"	"	Var. AV. 16'-1"	2	2	4	64.32	"	96		
707		"	7/8"	9'-5"	2	1	2	18.84	2.04	38	404		"	"	9'-0"	2	1	2	18.0	"	12	608		"	"	Var. AV. 20'-5"	2	2	4	81.68	"	122		
708		"	"	6'-11"	4	1	4	27.68	"	56	405		"	"	Var. AV. 12'-11"	2	1	2	25.84	"	17	300		"	3/8"	Var. AV. 31'-6"	2	4	8	252.0	0.38	96		
325		"	3/8"	6'-9"	8	1	8	54.0	0.38	20	500		"	5/8"	9'-10"	2	1	2	19.66	1.04	20	301		"	"	66'-8"	11	4	44	2933.5	"	1115		
329		"	"	3'-6"	2	1	2	7.0	"	3	501		"	"	Var. AV. 14'-5"	2	1	2	28.84	"	30	700	3'-0"	Abut. No. 2	7/8"	3'-0"	60	1	60	180.0	2.04	367		
412		W.W. Abut. No. 1-Lt.	1/2"	7'-6"	5	1	5	37.5	0.67	25	304		"	3/8"	Var. AV. 9'-6"	8	1	8	76.0	0.38	29													
413		"	"	4'-9"	4	1	4	19.0	"	13	302		"	"	Var. AV. 5'-3"	3	2	6	31.5	"	12													
612		"	3/4"	Var. AV. 6'-0"	3	1	3	18.0	1.50	27	303		"	"	9'-6"	7	2	14	139.0	"	50													
613		"	"	Var. AV. 7'-7"	2	1	2	15.16	"	23	406		"	1/2"	10'-10"	6	1	6	64.98	0.67	44													
710		"	7/8"	6'-8"	3	1	3	20.0	2.04	41	311		"	3/8"	8'-0"	6	1	6	48.0	0.38	18													
709		"	"	Var. AV. 8'-8"	3	1	3	26.0	"	53	312		"	"	5'-6"	7	2	14	77.0	"	29													
326		"	3/8"	Var. AV. 4'-0"	3	1	3	12.0	0.38	4	504		Abut. No. 1-Lt.	5/8"	Var. AV. 15'-9"	7	1	7	110.25	1.04	115													
705		Abut. No. 1-#2	7/8"	10'-5"	68	2	136	1417.12	2.04	2891	505		"	"	10'-5"	7	1	7	72.94	"	76													
706		"	"	7'-11"	67	2	134	1061.28	"	2165	313		"	3/8"	Var. AV. 12'-6"	6	1	6	75.0	0.38	28													
317		"	3/8"	66'-8"	13	2	26	1733.4	0.38	659	328		"	"	7'-6"	11	2	22	165.0	"	63													
330		"	"	6'-6"	1	1	1	6.5	"	3	310		"	"	4'-0"	11	2	22	88.0	"	33													
											502		"	5/8"	15'-6"	3	1	3	46.5	1.04	48													
											503		"	"	10'-2"	3	1	3	30.51	"	32													

### CONTRACTOR'S NOTE

This steel schedule is subordinate to details shown on the plans. In case of discrepancy between steel list and detail drawings the latter shall govern.

The Territorial Highway Dept. does not assume responsibility for any errors that may occur in the steel schedule. Contractor shall check steel before placing order.

All stirrup dimensions are to inside of stirrups; all other dimensions are figured to center line of bars.

TERRITORIAL HIGHWAY DEPARTMENT  
TERRITORY OF HAWAII

## BRIDGE No. 2

STA. 122+25.19 TO 122+53.43

WAIANA'E ROAD F.A.P. 4D(1)

ORIGINAL PLAN  
 DESIGNED BY W.E. Barber  
 DRAWN BY P. Long  
 QUANTITIES BY P.K.  
 CHECKED BY J.M.  
 DATE 11/1938

