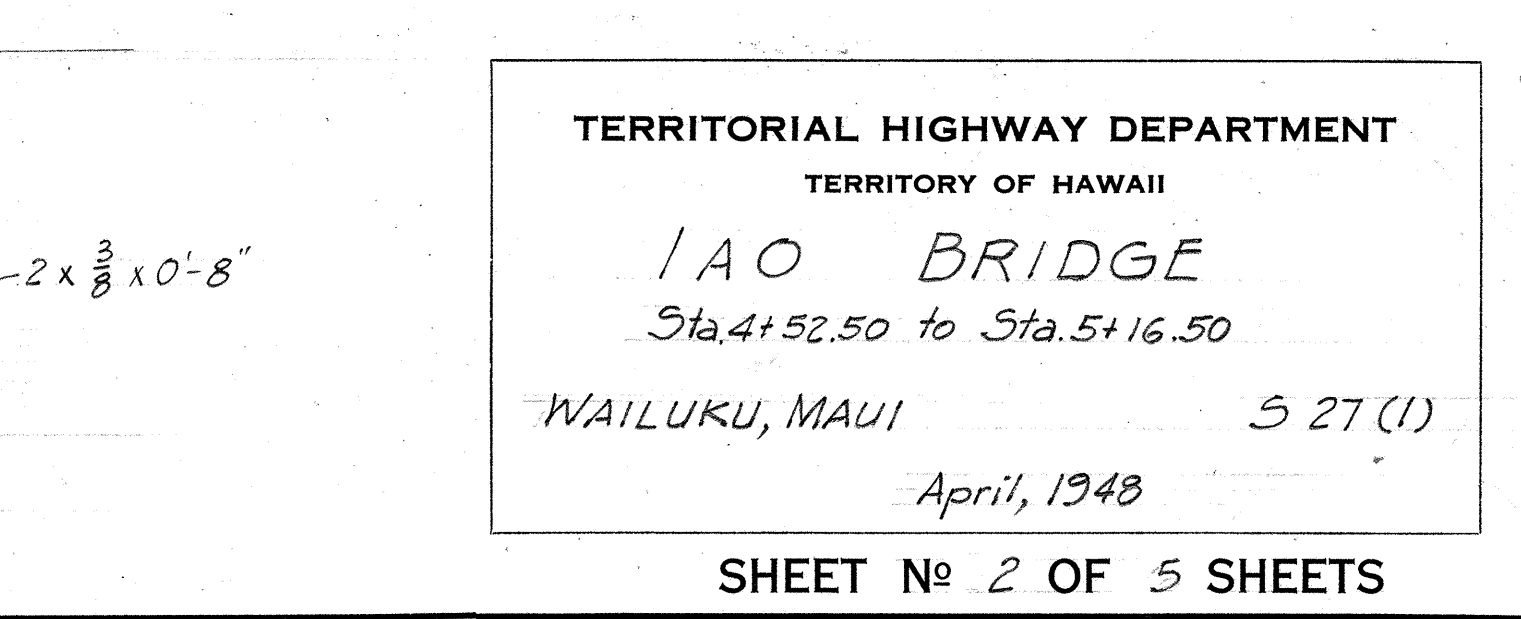
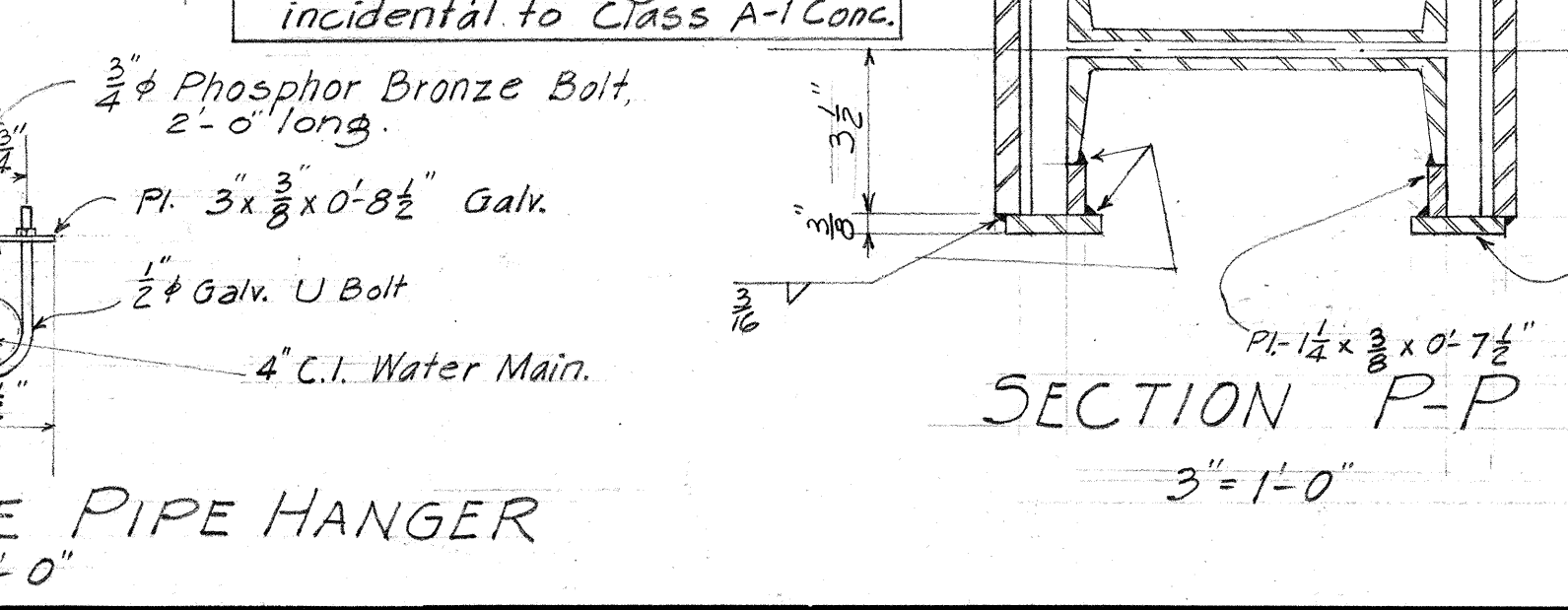
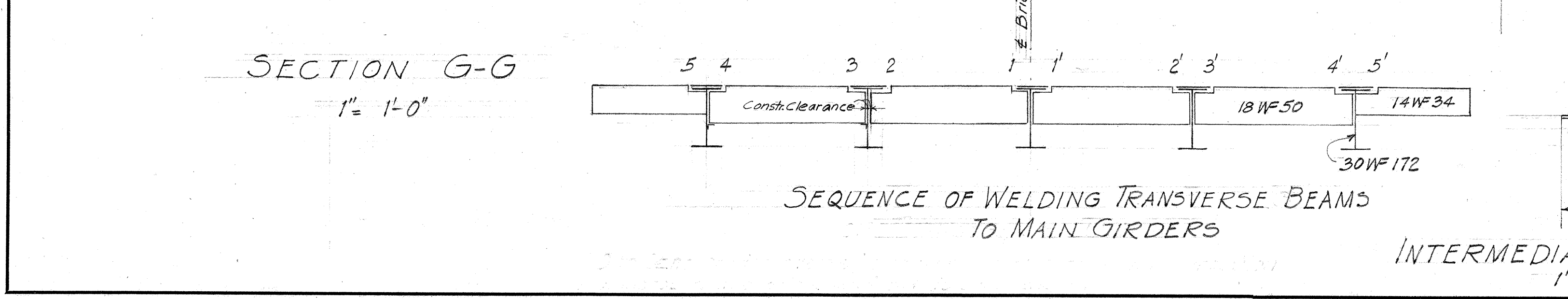
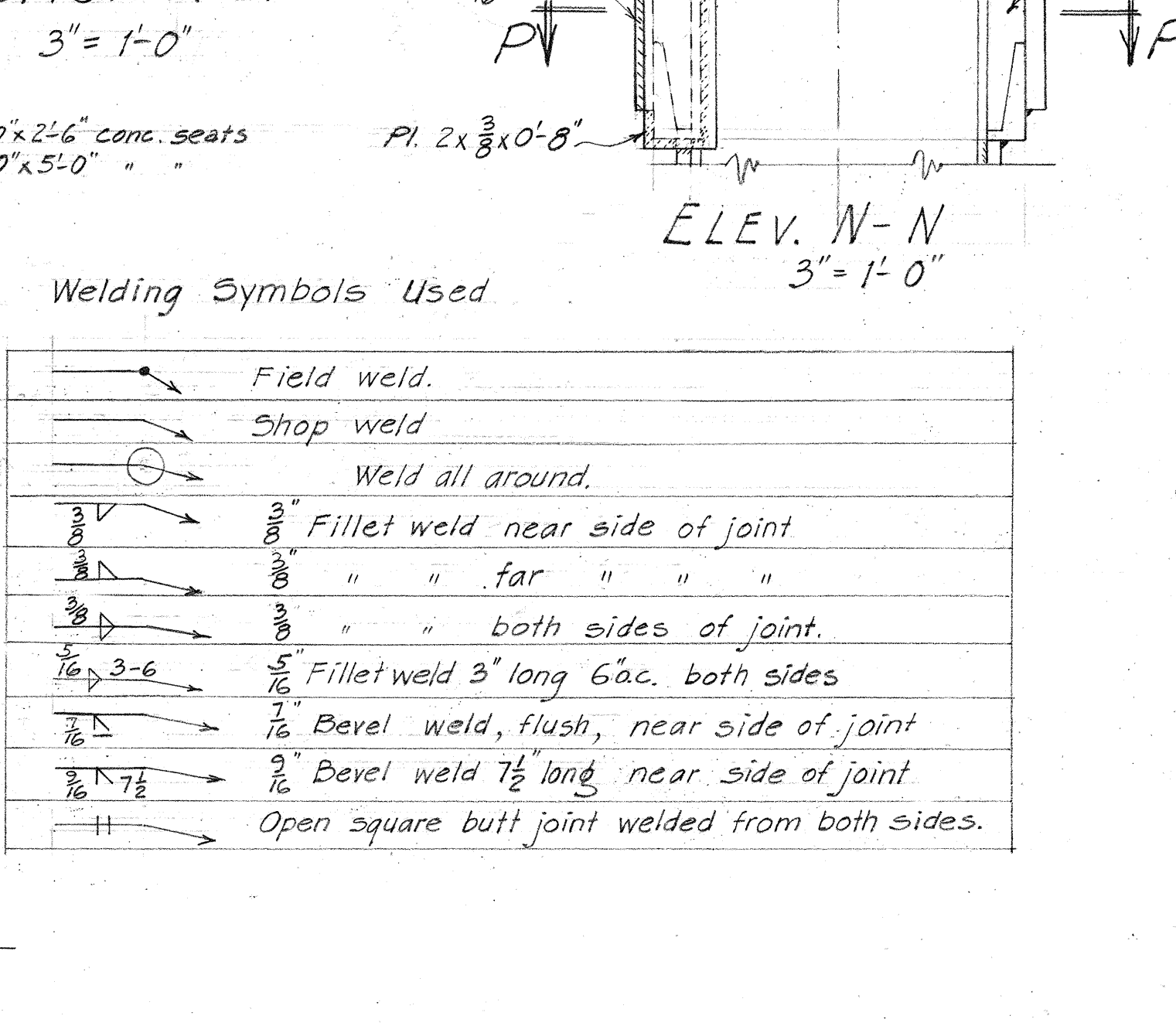
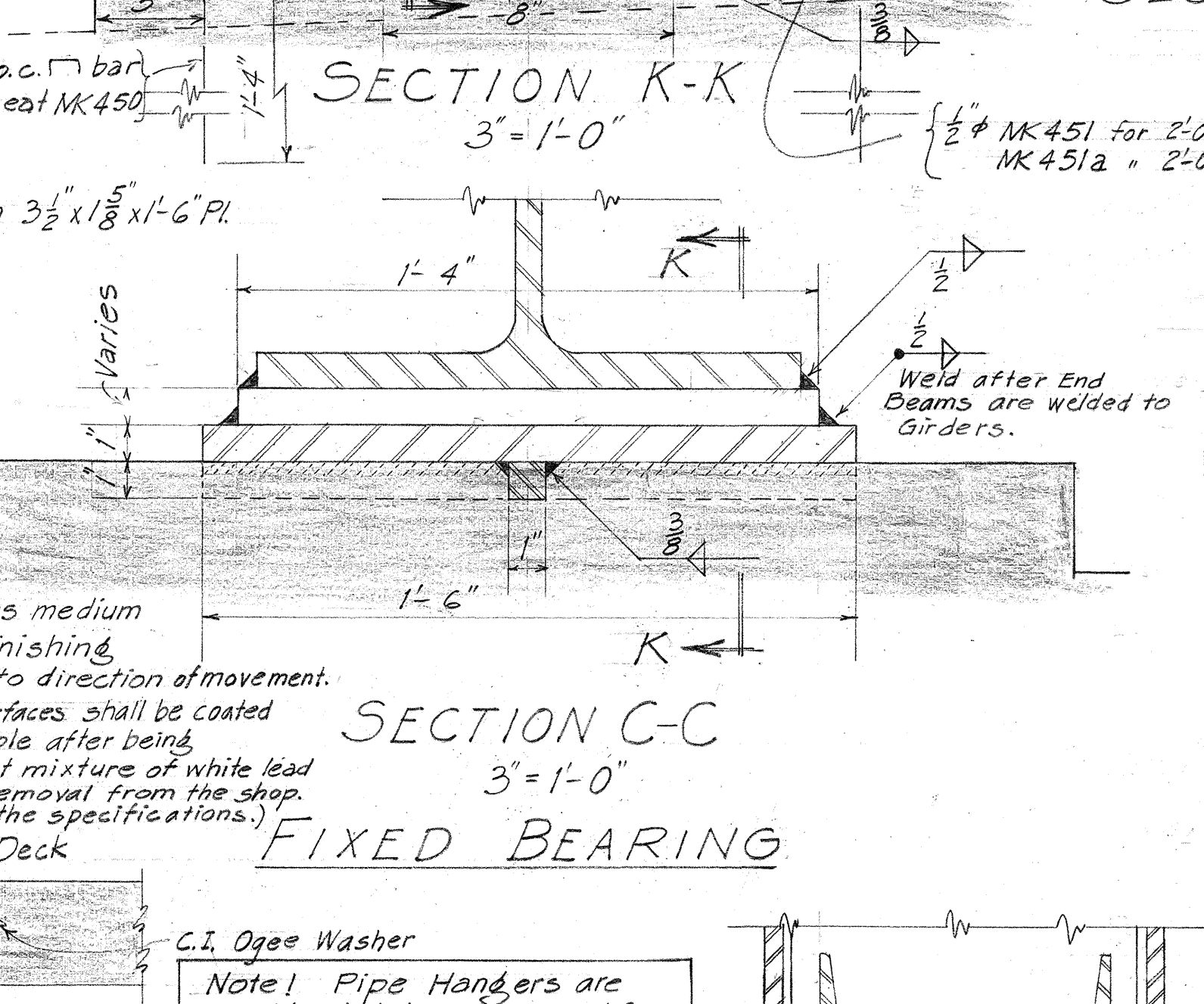
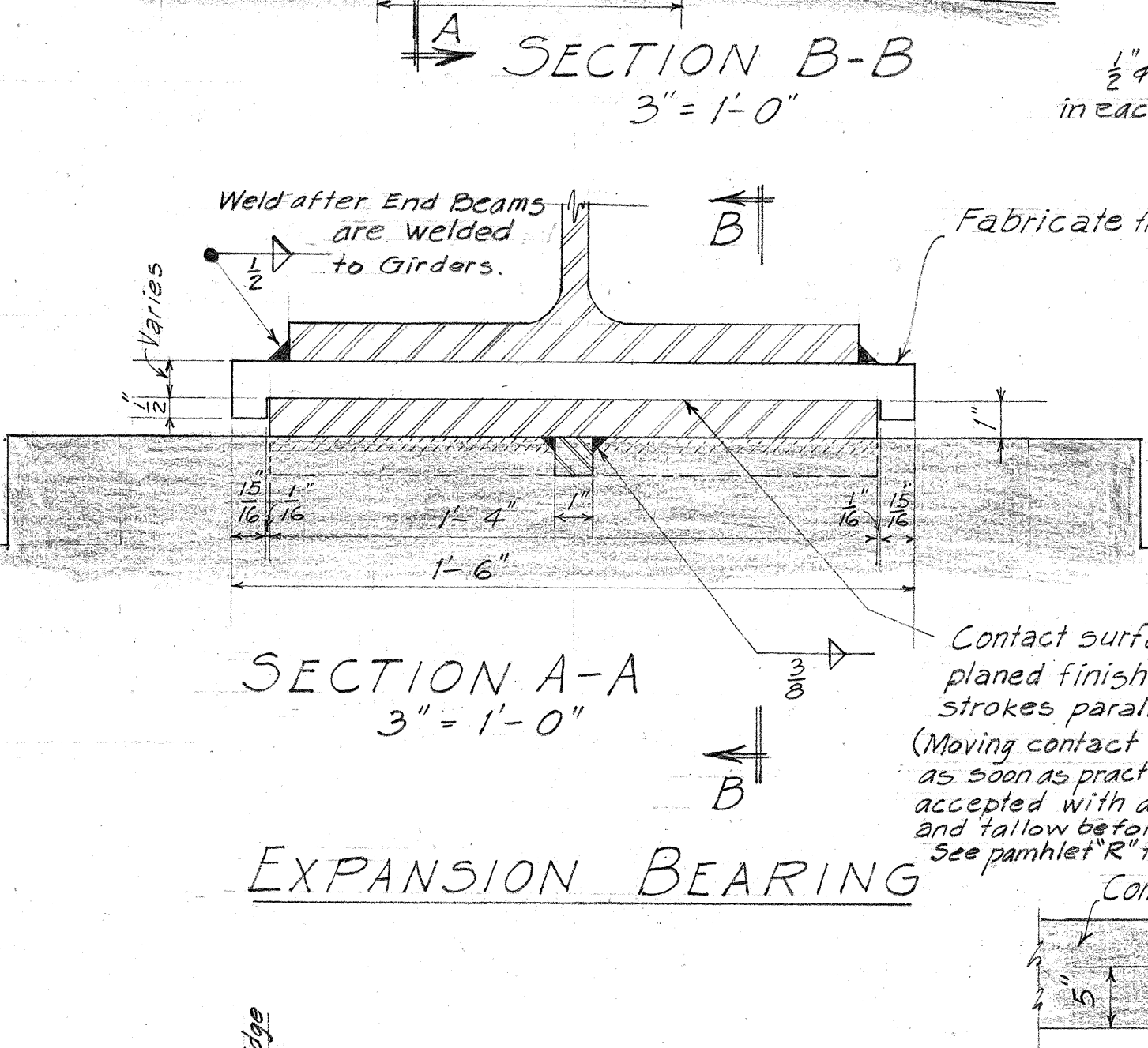
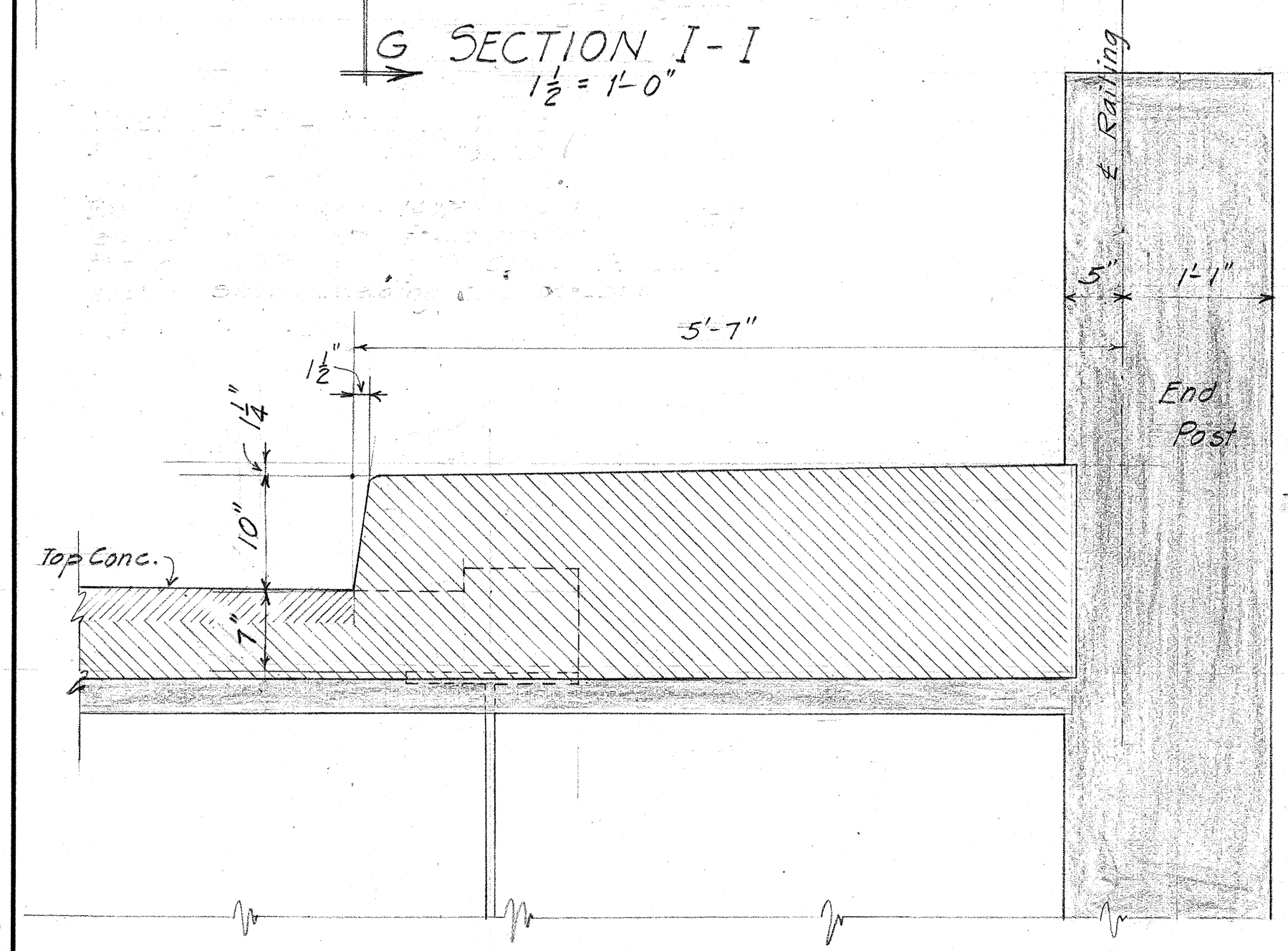
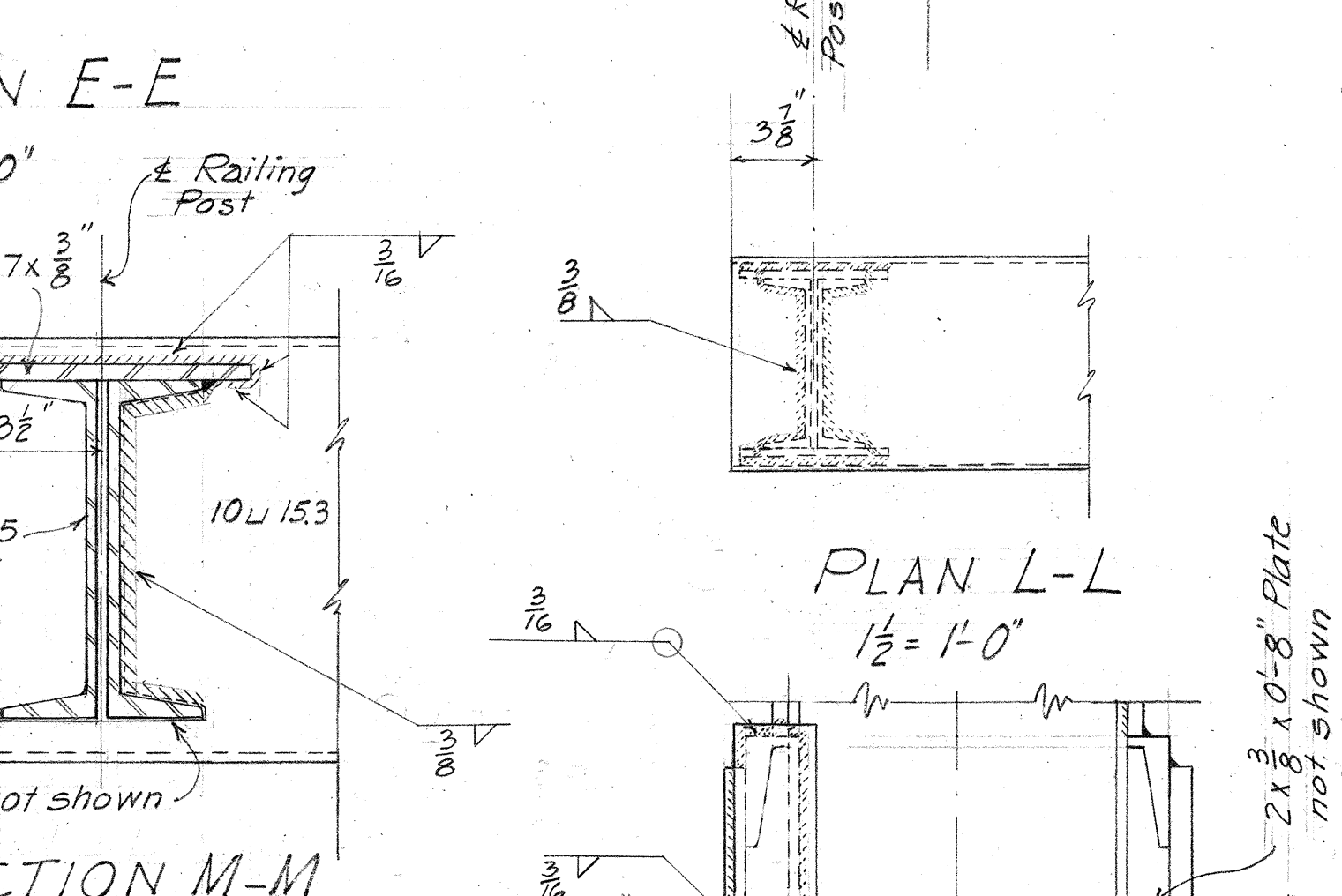
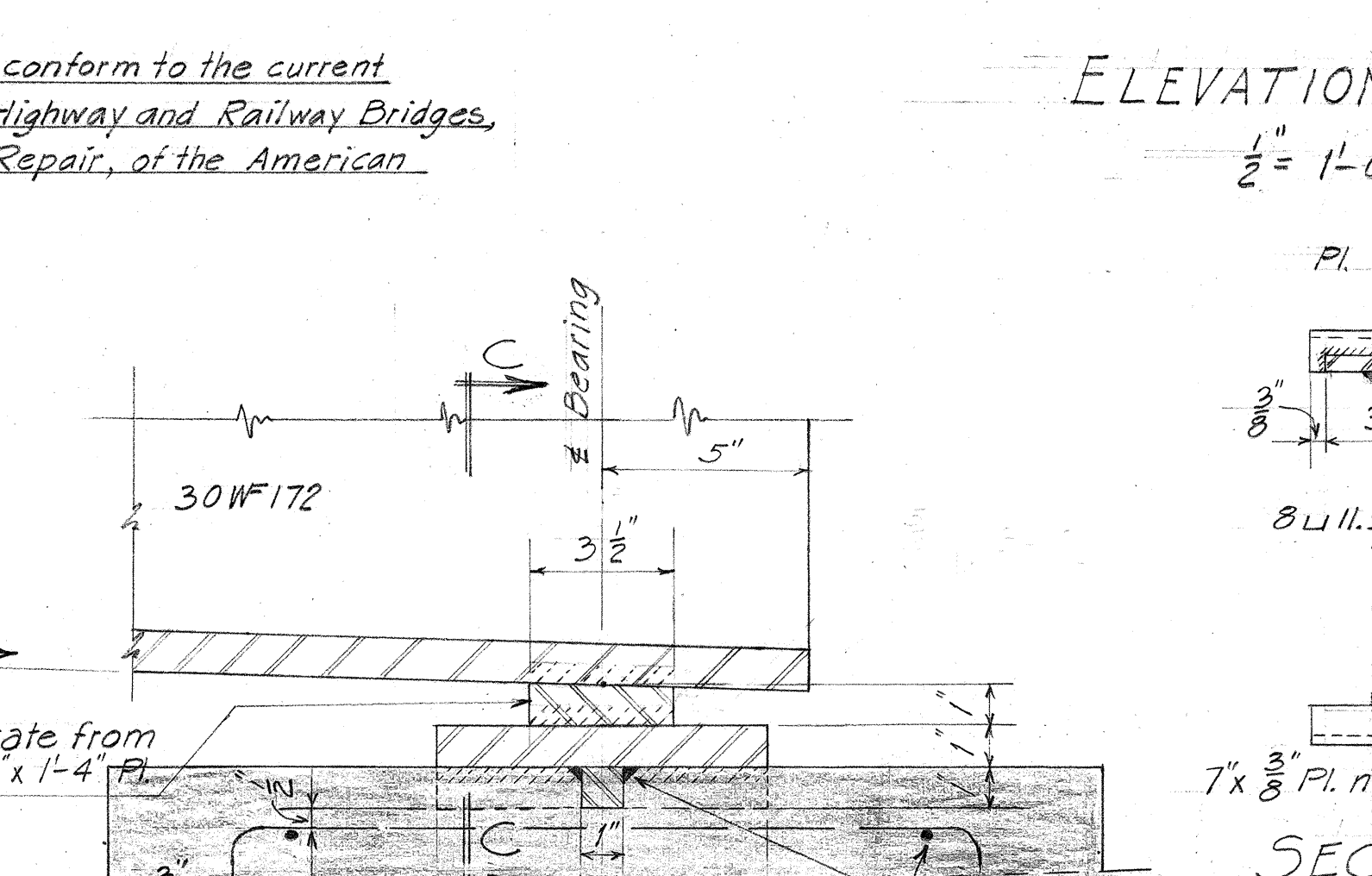
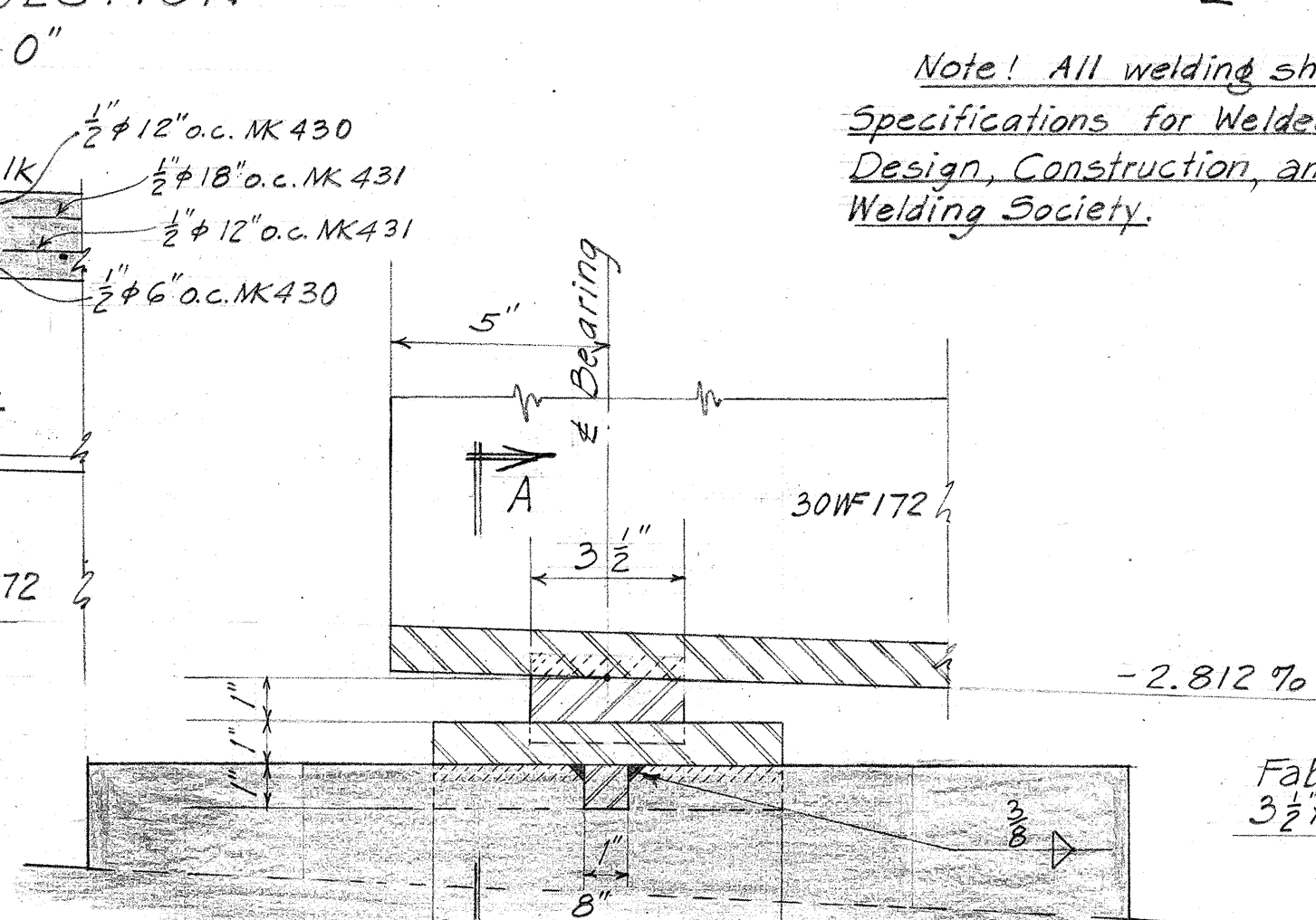
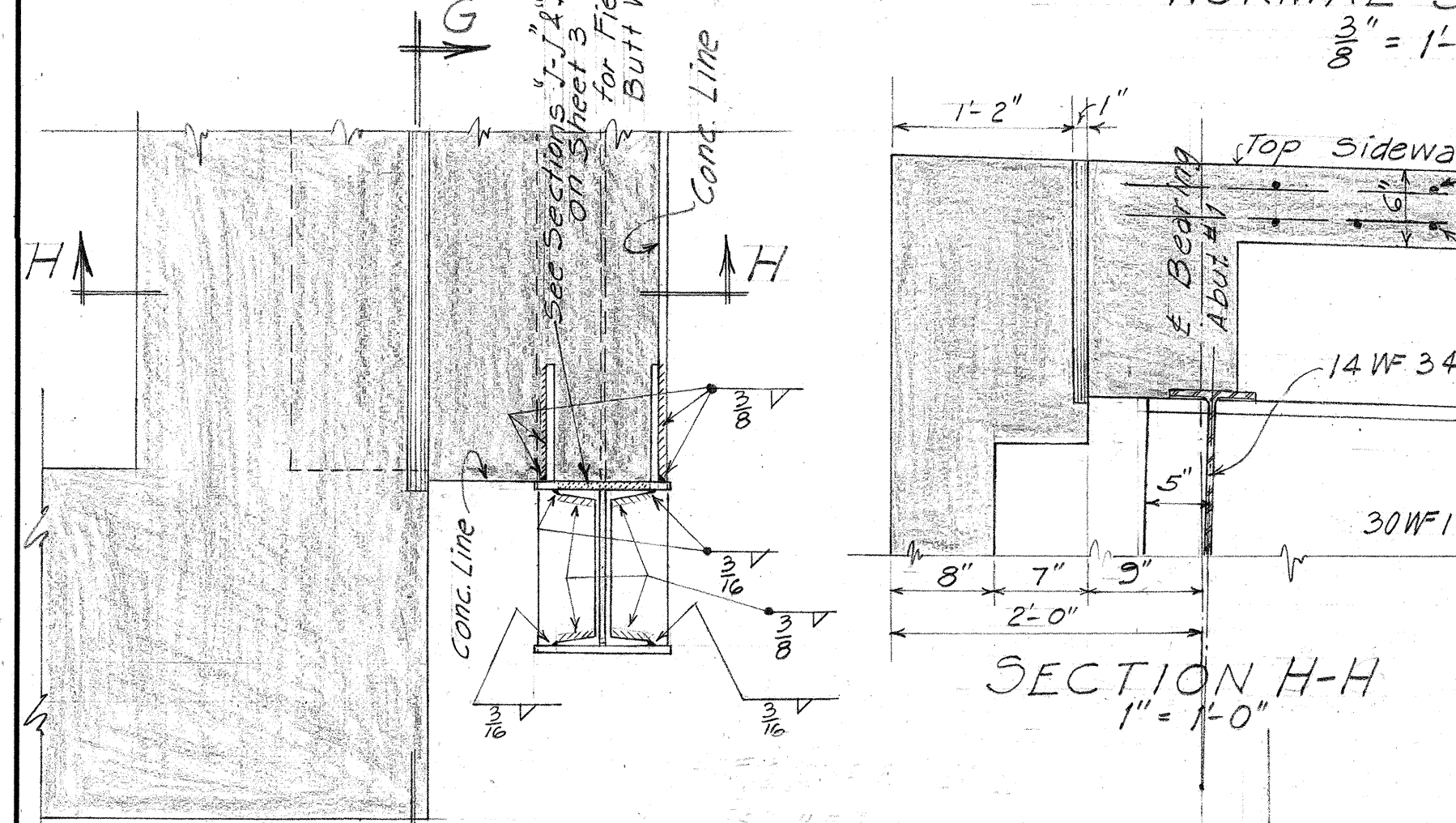
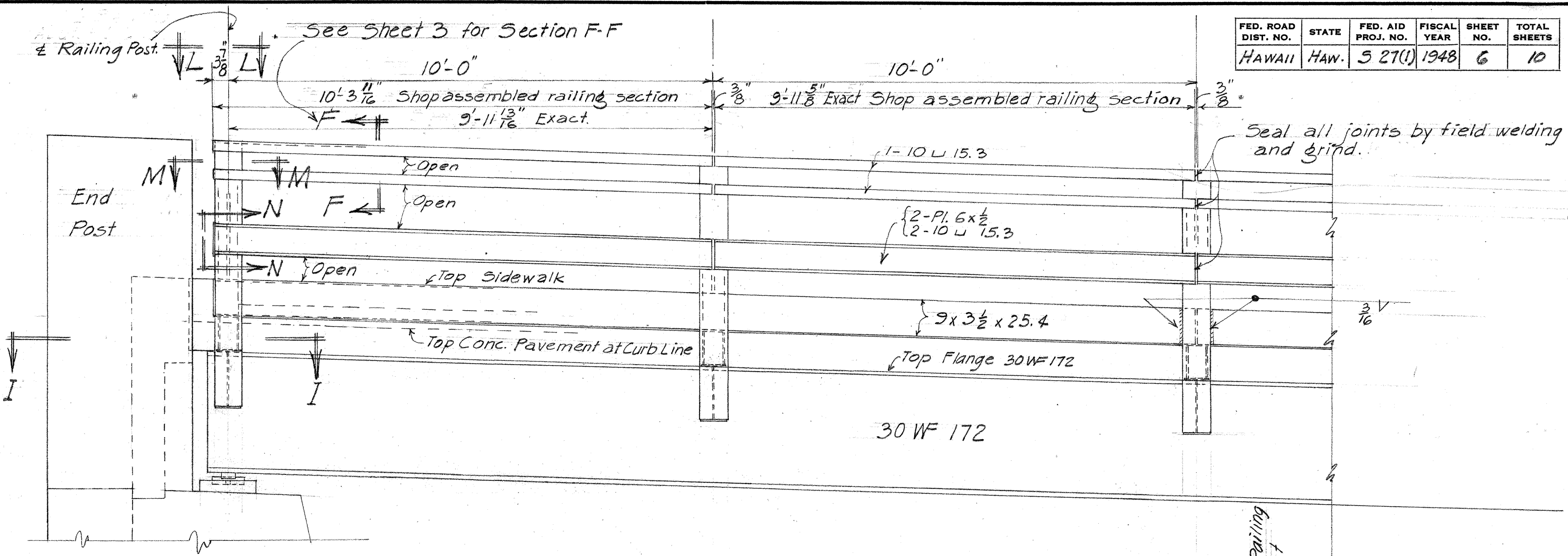
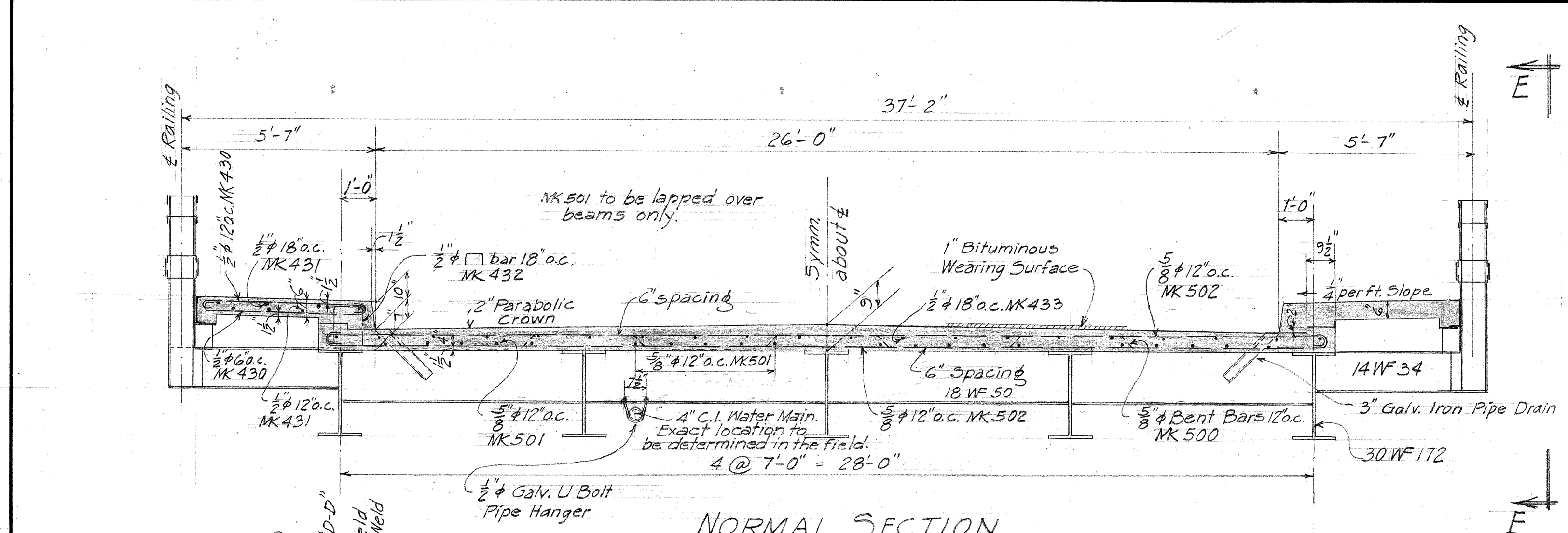




Note! All welding shall conform to the current Specifications for Welded Highway and Railway Bridges, Design, Construction, and Repair, of the American Welding Society.

Welding Symbols Used

	Field weld.
	Shop weld
	Weld all around.
	3/8" Fillet weld near side of joint
	3/8" " " far " " "
	3/8" " " both sides of joint.
	5/16" Fillet weld 3" long 6" ac. both sides
	1/2" Bevel weld, flush, near side of joint
	3/8" Bevel weld 7 1/2" long near side of joint
	Open square butt joint welded from both sides.

Contact surfaces medium planed finish. Finishing strokes parallel to direction of movement. (Moving contact surfaces shall be coated as soon as practicable after being accepted with a hot mixture of white lead and tallow before removal from the shop. See pamphlet "R" for the specifications.)

Note! Pipe Hangers are incidental to Class A-1 Conc.

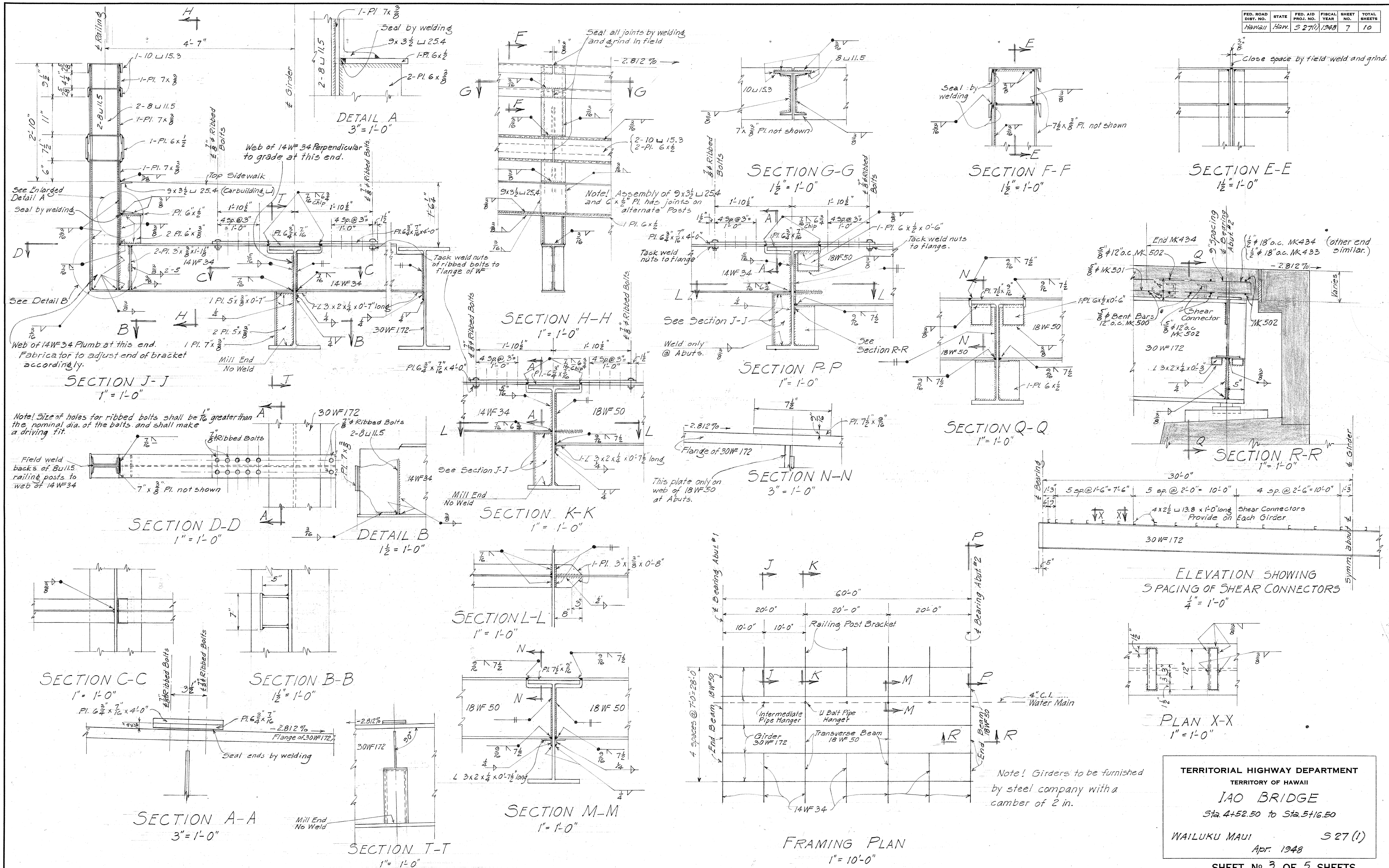
TERRITORIAL HIGHWAY DEPARTMENT
 TERRITORY OF HAWAII
1A0 BRIDGE
 Sta. 4+52.50 to Sta. 5+16.50
 WAILUKU, MAUI
 April, 1948

SHEET No 2 OF 5 SHEETS

5309.6

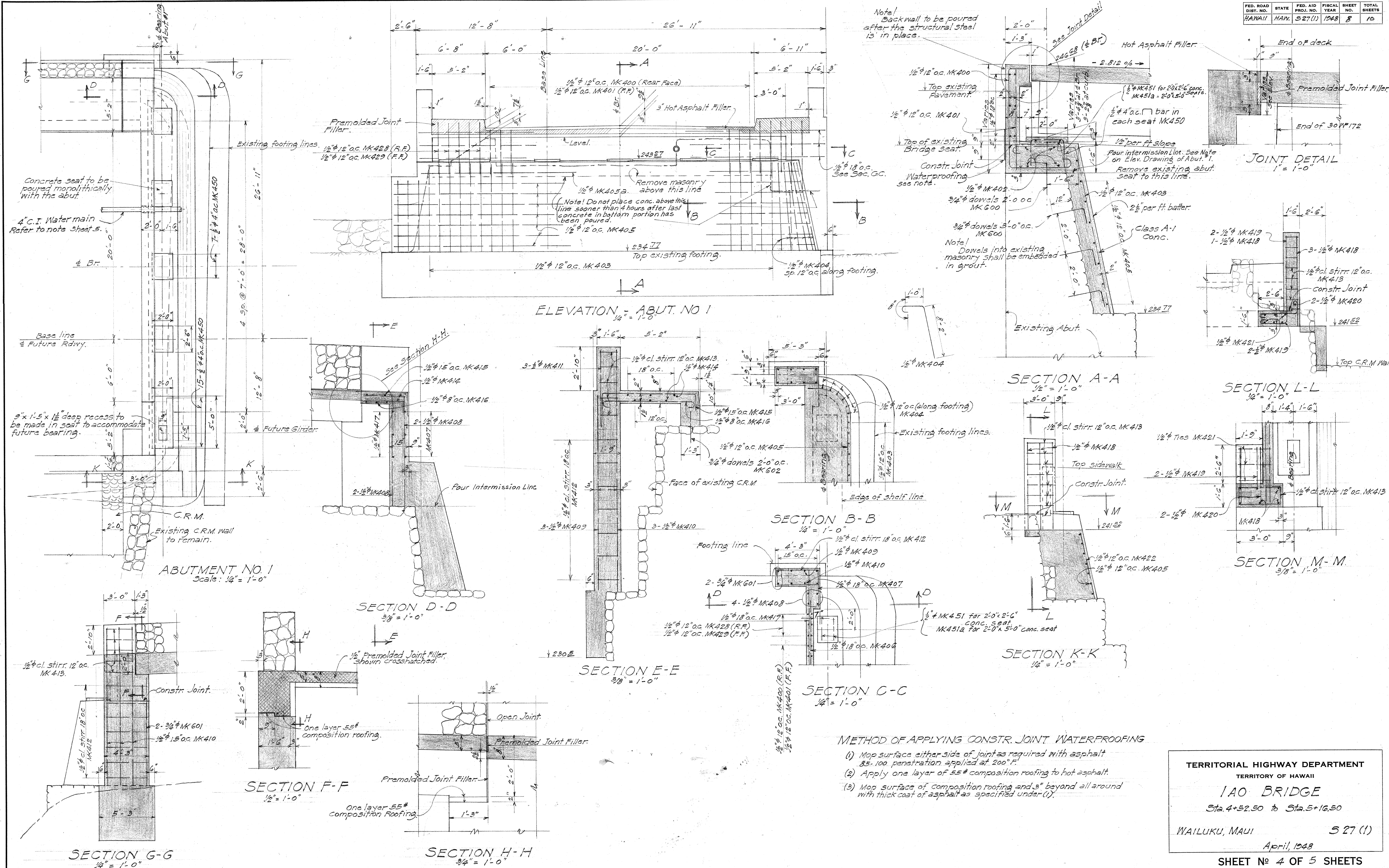
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 DATE: [Date]
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 NOTE BOOK: [Name]
 QUANTITIES CHECKED BY: [Name]
 No. [Number]

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEET
Hawaii	Haw.	527(1)	1948	7	10



ORIGINAL PLAN	SURVEY PLOTTED BY DESIGNED BY DRAWN BY TRACED BY QUANTITIES BY QUANTITIES CHECKED BY CHECKED BY	DATE " " " " " " " " " " " "
NOTE BOOK No.	W. S. Barlow J. J. Kramarz J. J. Kramarz J. J. Kramarz J. J. Kramarz J. J. Kramarz J. J. Kramarz	4-28 " " " " " " " " " " " "

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	327(1)	1948	8	10



DESIGNED BY	DATE
TRACED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	

TERRITORIAL HIGHWAY DEPARTMENT
 TERRITORY OF HAWAII

I AO BRIDGE
 Sta. 4+32.50 to Sta. 5+16.50

WAILUKU, MAUI

April, 1948

SHEET No 4 OF 5 SHEETS

5309.8

STEEL SCHEDULE

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

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
500		Super Structure	5/8"	31'-2"	59	1	59	1838.8		
501			"	63'-6"	20	1	20	1270.0		
502			"	30'-2"	124	1	124	3740.7		
431			1/2"	63'-0"	7	2	14	882.0		
430			"	5'-6"	179	2	358	1969.0		
432			"	2'-10"	41	2	82	232.3		
433			"	63'-8"	20	1	20	1273.3		
434			"	2'-9 1/2"	34	1	34	94.9		
			5/8"					6849.5	1.04	7123
			1/2"					4451.5	0.67	2983
	SUPERSTRUCTURE TOTAL									10,106#
450		Abut. #1	1/2"	4'-2"	43	1	43	179.2		
400		Abut. #1	1/2"	8'-10 1/2"	26	1	26	230.2		
401		"	"	4'-7 1/2" Ave.	26	1	26	119.7		
402		"	"	36'-7" Ave.	4	1	4	146.3		
403		"	"	11'-8"	34	1	34	396.7		
404		"	"	9'-10"	6	1	6	59.0		
405		"	"	42'-7 1/2" Ave.	7	1	7	298.4		
405a		"	"	38'-10"	1	1	1	38.8		
406		"	"	36'-3"	3	1	3	108.8		
407		"	"	3'-5"	3	1	3	10.3		
408		"	"	7'-1"	4	1	4	28.3		
409		"	"	12'-6"	3	1	3	37.5		
410		"	"	15'-6"	3	1	3	46.5		
411		"	"	5'-0"	3	1	3	15.0		
412		"	"	11'-3"	7	1	7	78.8		
413		"	"	8'-3"	5	1	12	99.0		
414		"	"	2'-5"	6	1	6	14.5		

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
415			1/2"	8'-0"	2	1	2	16.0		
416			"	7'-0"	3	1	3	21.0		
417			"	39'-1"	3	1	3	117.3		
418			"	8'-6 1/2"	4	1	4	34.2		
419			"	11'-3 1/2"	2	1	2	22.6		
420			"	5'-8"	2	1	2	11.3		
421			"	2'-0"	6	1	6	12.0		
422			"	6'-6"	3	1	3	19.5		
423			"	9'-7 1/2"	8	1	8	77.0		
429			"	5'-4 1/2"	8	1	8	43.0		
600			3/4"	2'-3"	42	1	61	197.3		
601			"	10'-6"	2	1	2	21.0		
602			"	2'-0"	2	1	2	4.0		
451			1/2"	2'-1"	8	1	8	16.7		
451a			3/4"	4'-7"	2	1	2	9.2		
			1/2"					2306.8	0.67	1546#
			3/4"					162.3	1.50	243
	TOTAL-ABUTMENT No. 1 - 1,789#									
450		Abut. #2	1/2"	4'-2"	43	1	43	179.2		
401a		Abut. #2	1/2"	4'-6" Ave.	26	1	26	117.0		
402		"	"	36'-7" Ave.	4	1	4	146.3		
406		"	"	36'-3"	3	1	3	108.8		
413		"	"	8'-3"	5	1	5	41.3		
417		"	"	39'-1"	3	1	3	117.3		
418a		"	"	5'-6"	2	1	2	11.0		
418b		"	"	8'-2"	2	1	2	16.3		
420		"	"	5'-8"	2	1	2	11.3		
423		"	"	39'-9" Ave.	6	1	6	238.5		
424		"	"	23'-2 1/2"	5	1	5	119.0		
425		"	"	5'-4"	24	1	24	128.0		

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
426			1/2"	10'-0"	35	1	35	350.0		
427			"	8'-9" Ave.	26	1	26	227.5		
428a			"	9'-6 1/2"	8	1	8	76.3		
429a			"	5'-3 1/2"	8	1	8	42.3		
435			"	5'-0"	4	1	4	23.0		
436		"	"	3'-6"	3	1	3	10.5		
437		"	"	8'-2"	5	1	5	40.8		
438		"	"	13'-8"	4	1	4	54.7		
439		"	"	13'-5"	5	1	5	67.1		
440		"	"	5'-2"	4	1	4	20.7		
441		"	"	8'-0"	4	1	4	32.0		
442		"	"	5'-1"	6	1	6	30.5		
443		"	"	4'-9"	5	1	5	23.8		
444		"	"	8'-6"	2	1	2	17.0		
445		"	"	2'-0"	6	1	6	12.0		
490		"	"	4'-7 1/2" Ave.	8	1	8	37.0		
600			3/4"	2'-3"	89	1	89	186.8		
451			1/2"	2'-1"	8	1	8	16.7		
451a			3/4"	4'-7"	2	1	2	9.2		
			1/2"					2325.1	0.67	1558#
			3/4"					186.8	1.50	280
	TOTAL-ABUTMENT #2 & END POST									1838#
	GRAND TOTAL -									13,733#

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

1AO BRIDGE
Sta. 4+52.50 to Sta. 5+16.50
Wailuku, Maui
May 1948

SHEET NO. OF SHEETS