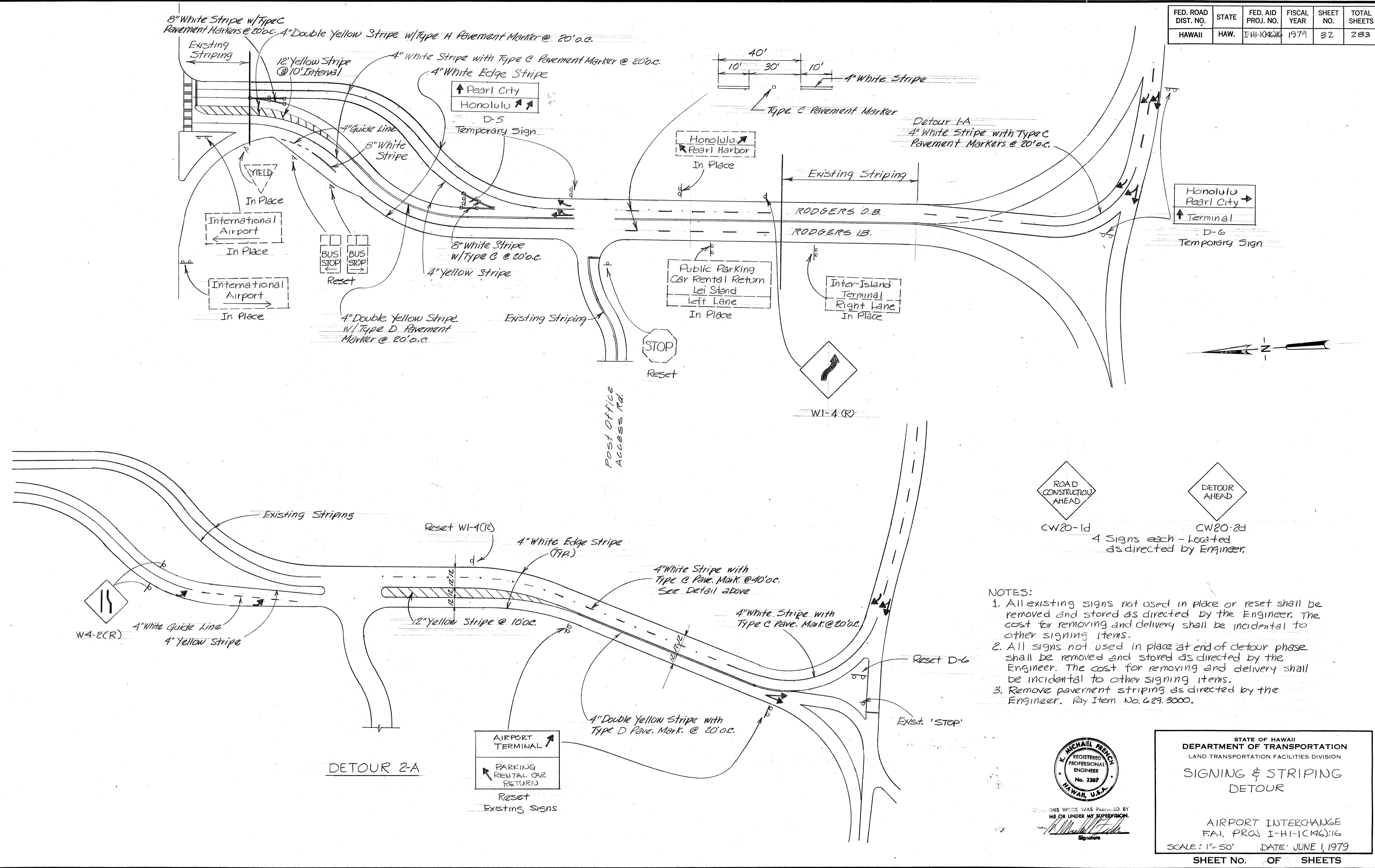
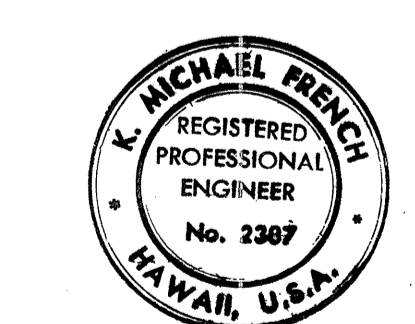
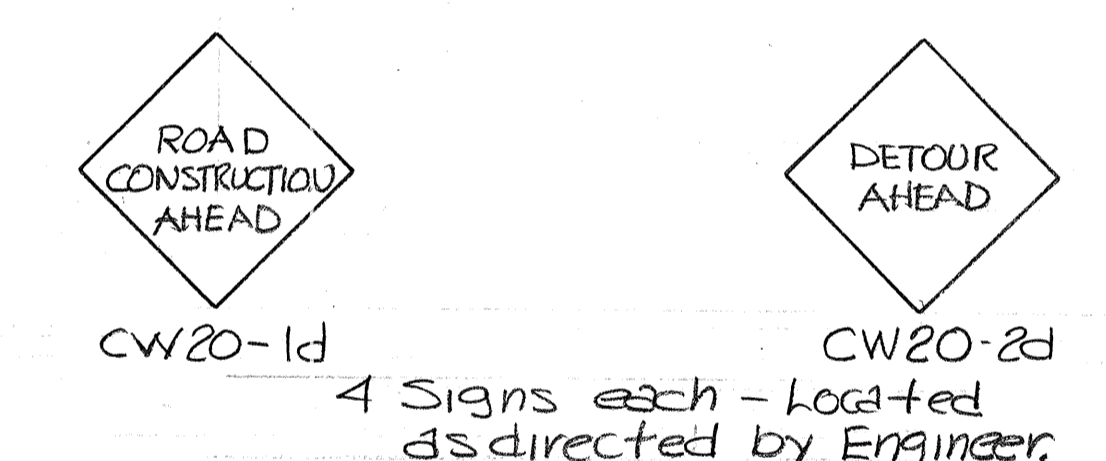


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H-1(C146)16	1979	32	283



- NOTES:
1. All existing signs not used in place or reset shall be removed and stored as directed by the Engineer. The cost for removing and delivery shall be incidental to other signing items.
  2. All signs not used in place at end of detour phase shall be removed and stored as directed by the Engineer. The cost for removing and delivery shall be incidental to other signing items.
  3. Remove pavement striping as directed by the Engineer. Pay Item No. 629.3000.



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.  
 Signature

STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 LAND TRANSPORTATION FACILITIES DIVISION

**SIGNING & STRIPING  
 DETOUR**

AIRPORT INTERCHANGE  
 FAI, PROJ I-H-1(C146)16  
 SCALE: 1"=50' DATE: JUNE 1, 1979

SHEET NO. OF SHEETS

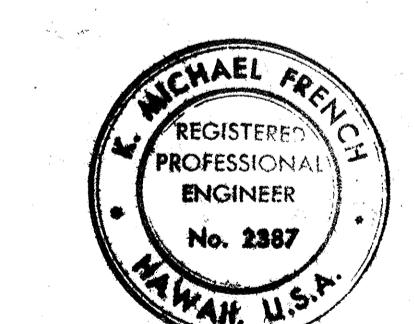
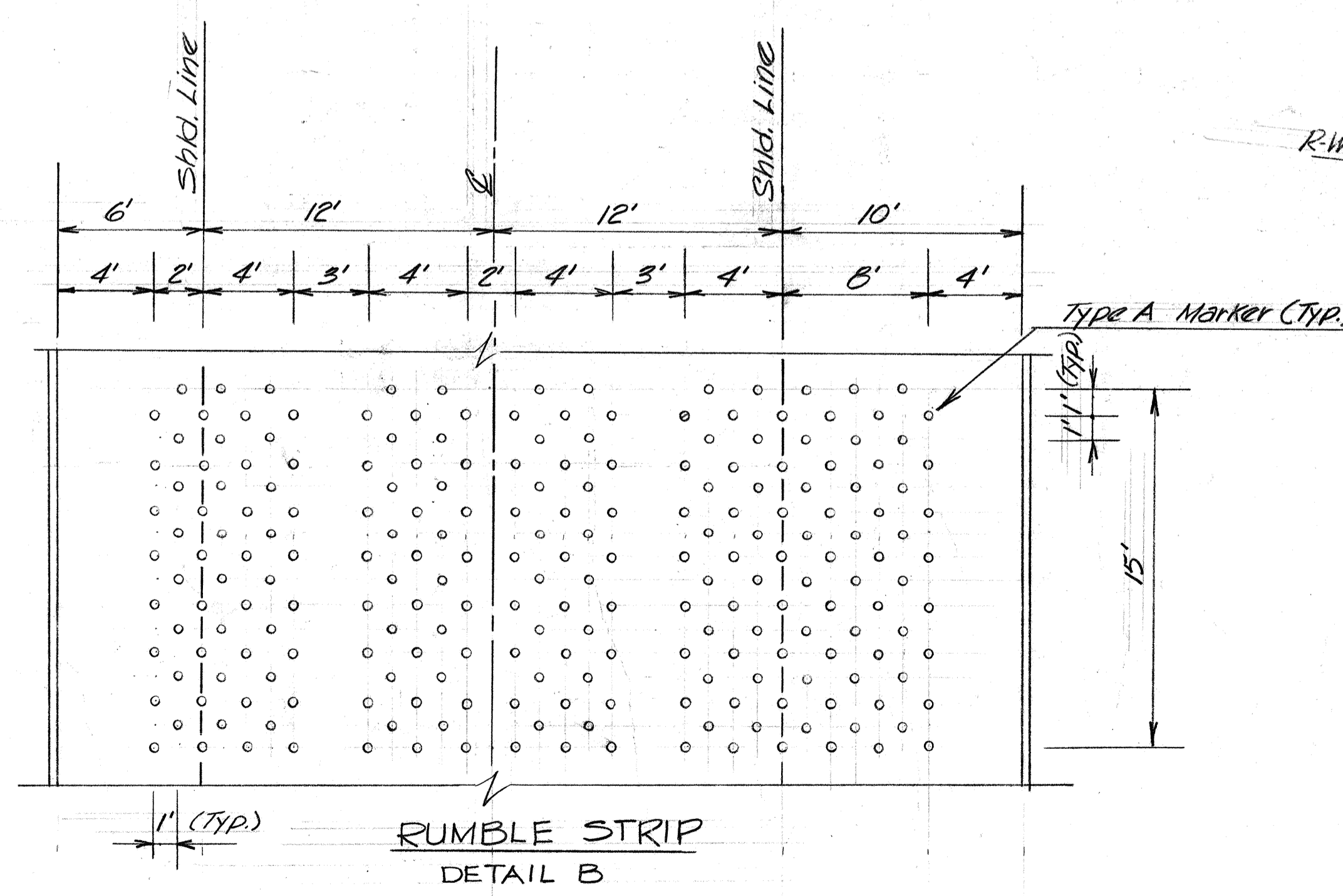
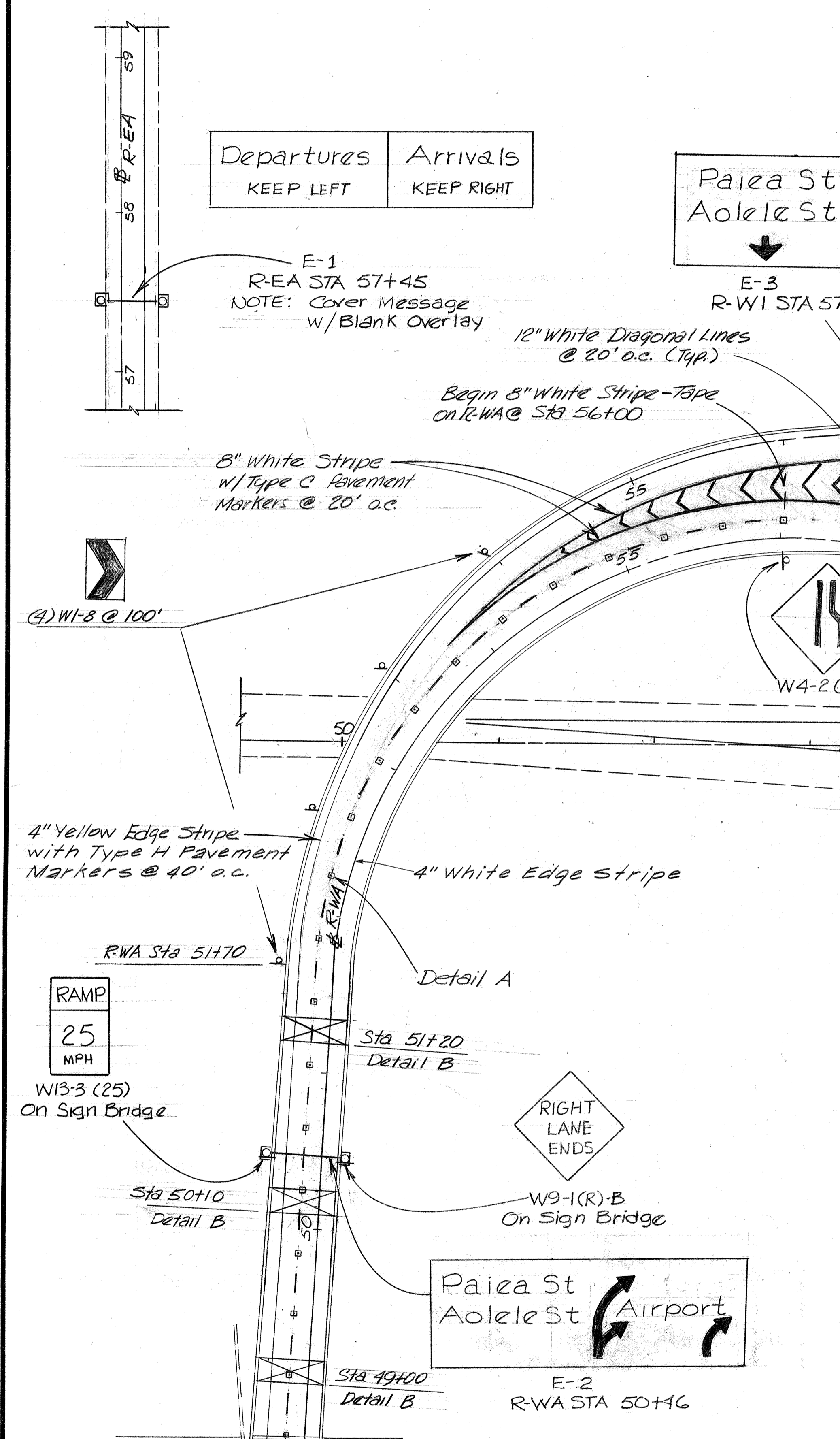
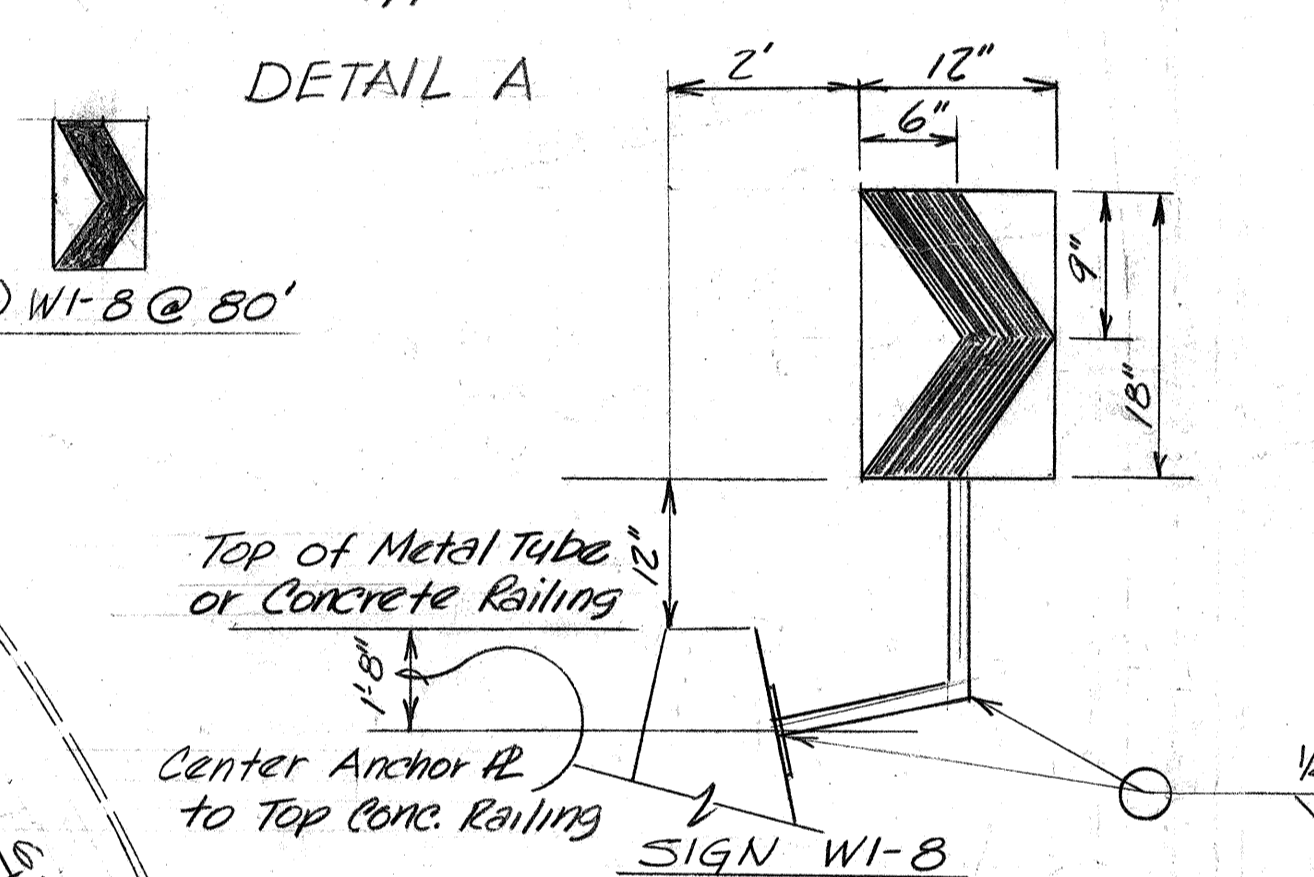
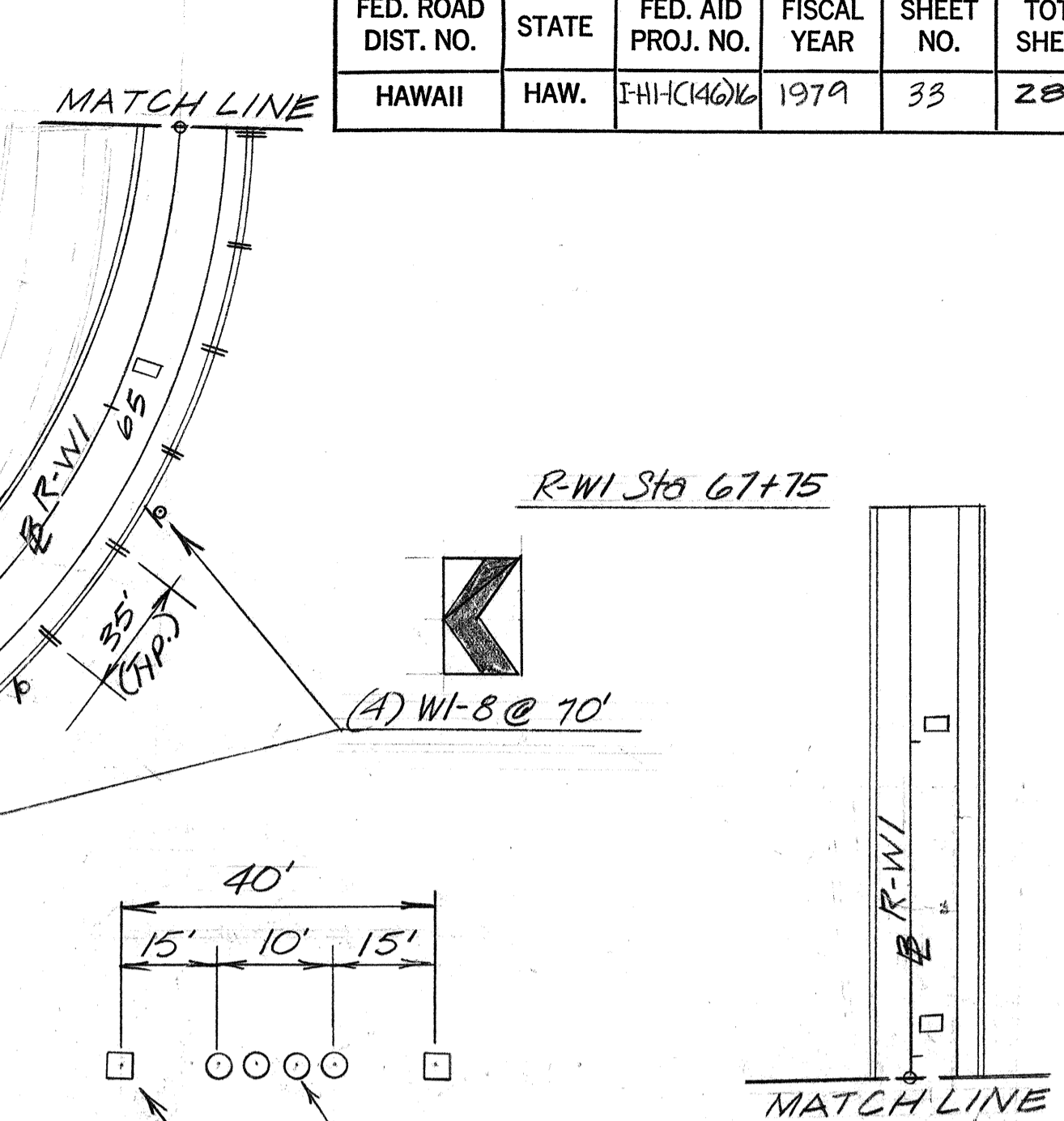
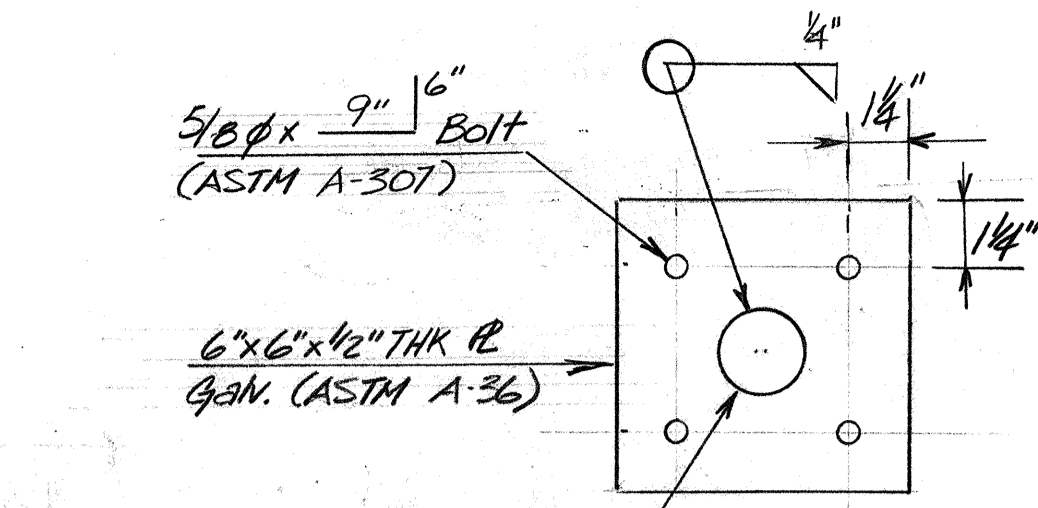
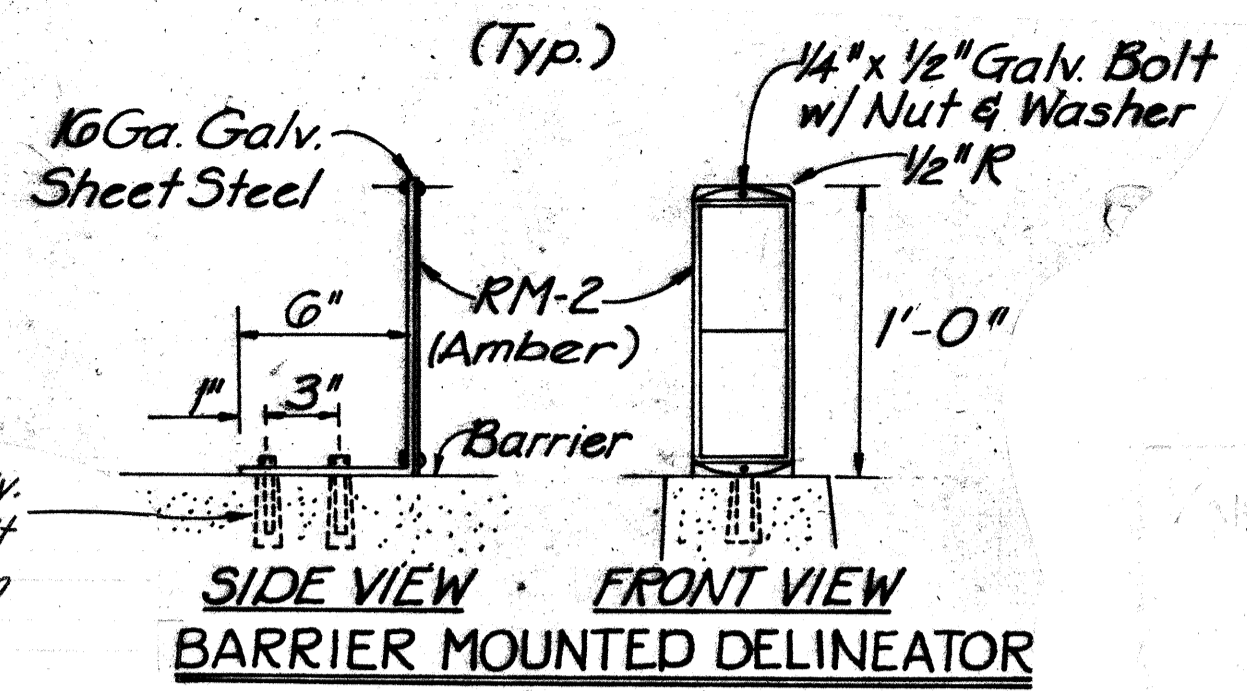
ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	
DRAWN BY	
TRACED BY	
DESIGNED BY	
CHECKED BY	
NO.	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-C146	1979	33	283

Departures KEEP LEFT	Arrivals KEEP RIGHT
-------------------------	------------------------

Paiea St  
Aolele St  
↓

E-3  
R-WI STA 57+40



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1	1-3-80	Revised Sign E-2
No	DATE	REVISION

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**SIGNING & STRIPING  
RAMPS**

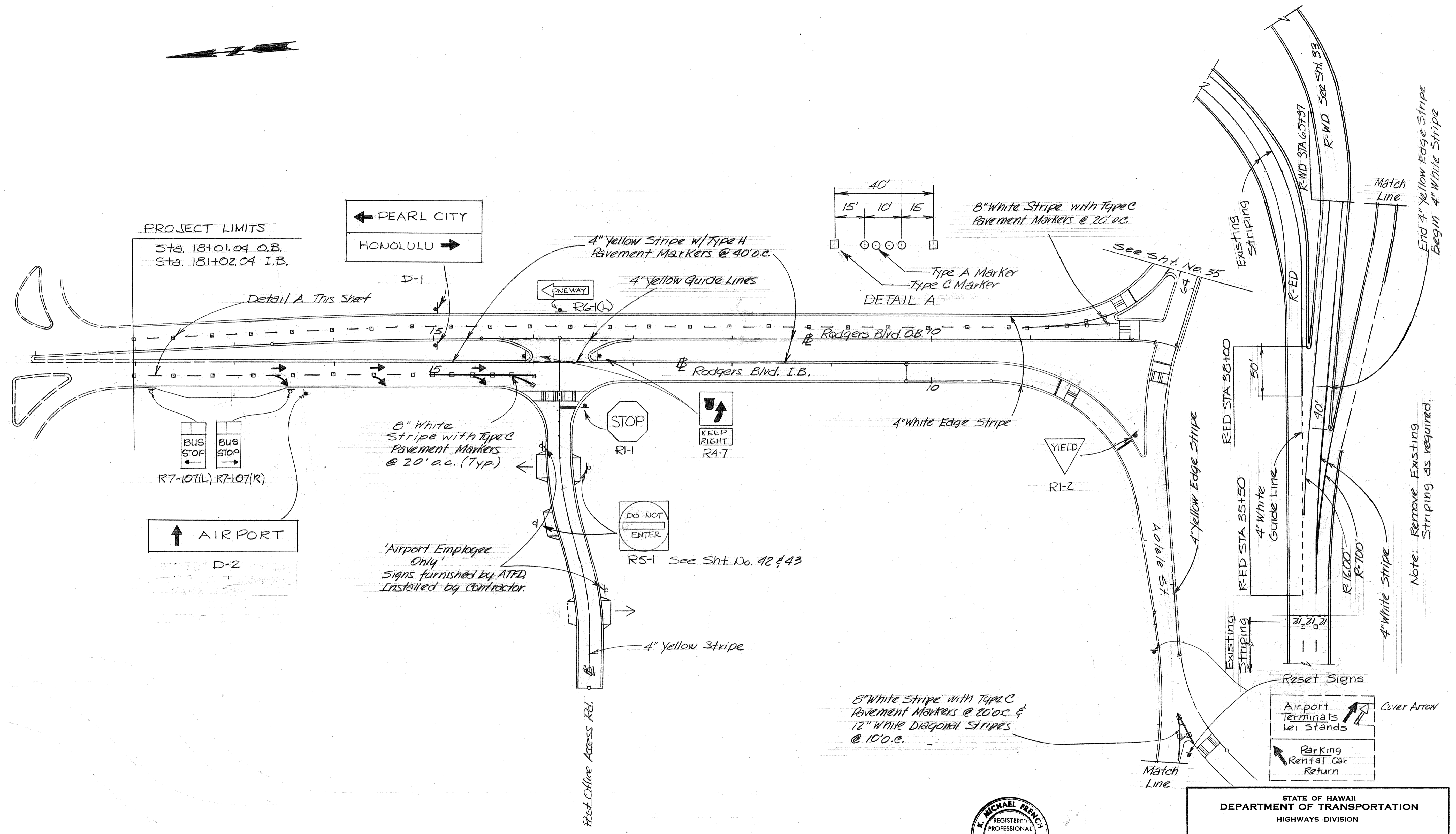
AIRPORT INTERCHANGE  
FA.I. PROJ. I-HI-C146:16

SCALE: NONE DATE: JUNE 1, 1979

SHEET NO. OF SHEETS

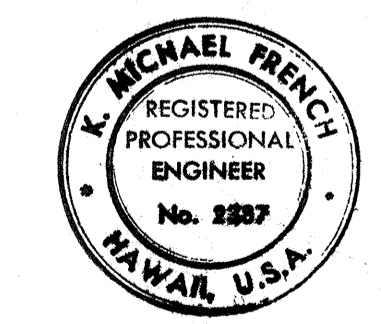
DATE	.....
SURVEY PLOTTED BY	.....
DRAWN BY	.....
DESIGNED BY	.....
NOTE BOOK	.....
QUANTITIES BY	.....
CHECKED BY	.....
No.	.....

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IHI-1(14)16	1979	34	283



SURVEY PLOTTED BY	DATE
DESIGNED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
NO.	

No.	DATE	REVISION
1	3-12-81	Added Ramp nose striping



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STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**SIGNING & STRIPING  
RODGERS BLVD**

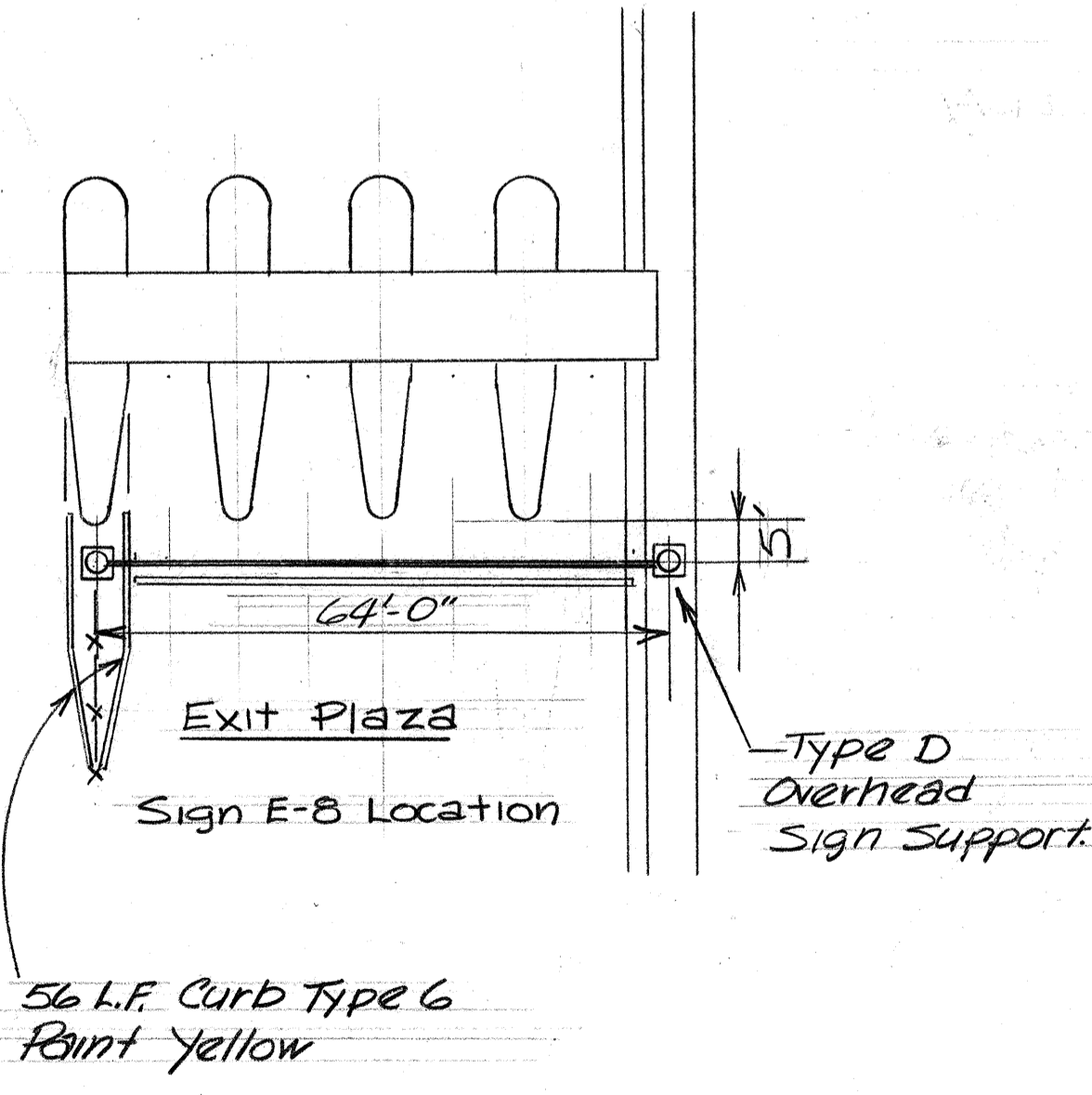
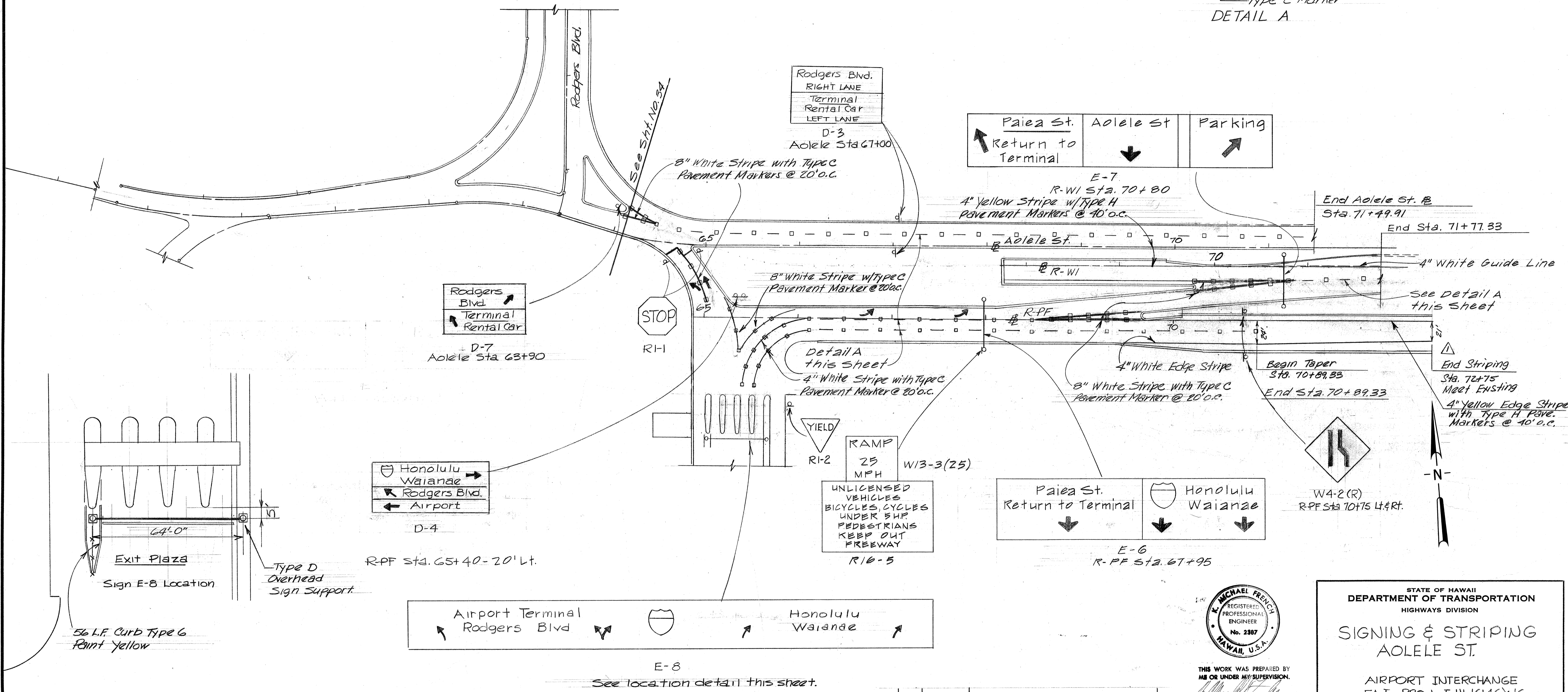
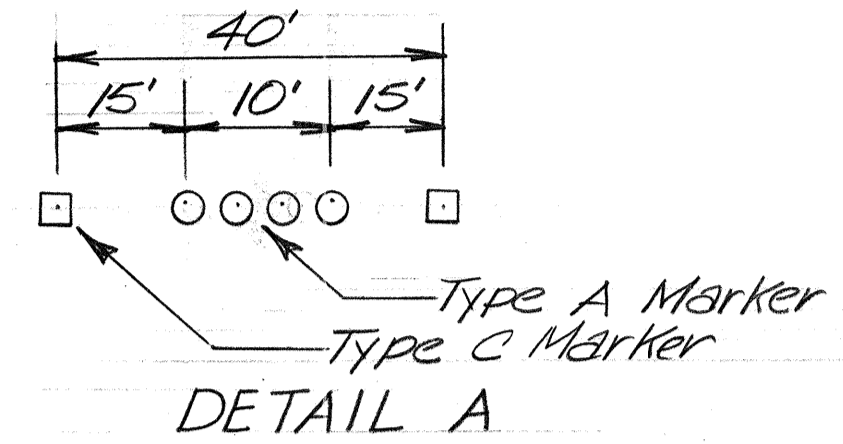
AIRPORT INTERCHANGE  
F.A.I. PROJ. IHI-1(14):16

SCALE: NONE      DATE: JUNE 1, 1979

SHEET No.      OF SHEETS

C034

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-14216	1979	35	283



STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**SIGNING & STRIPING  
AOLELE ST.**

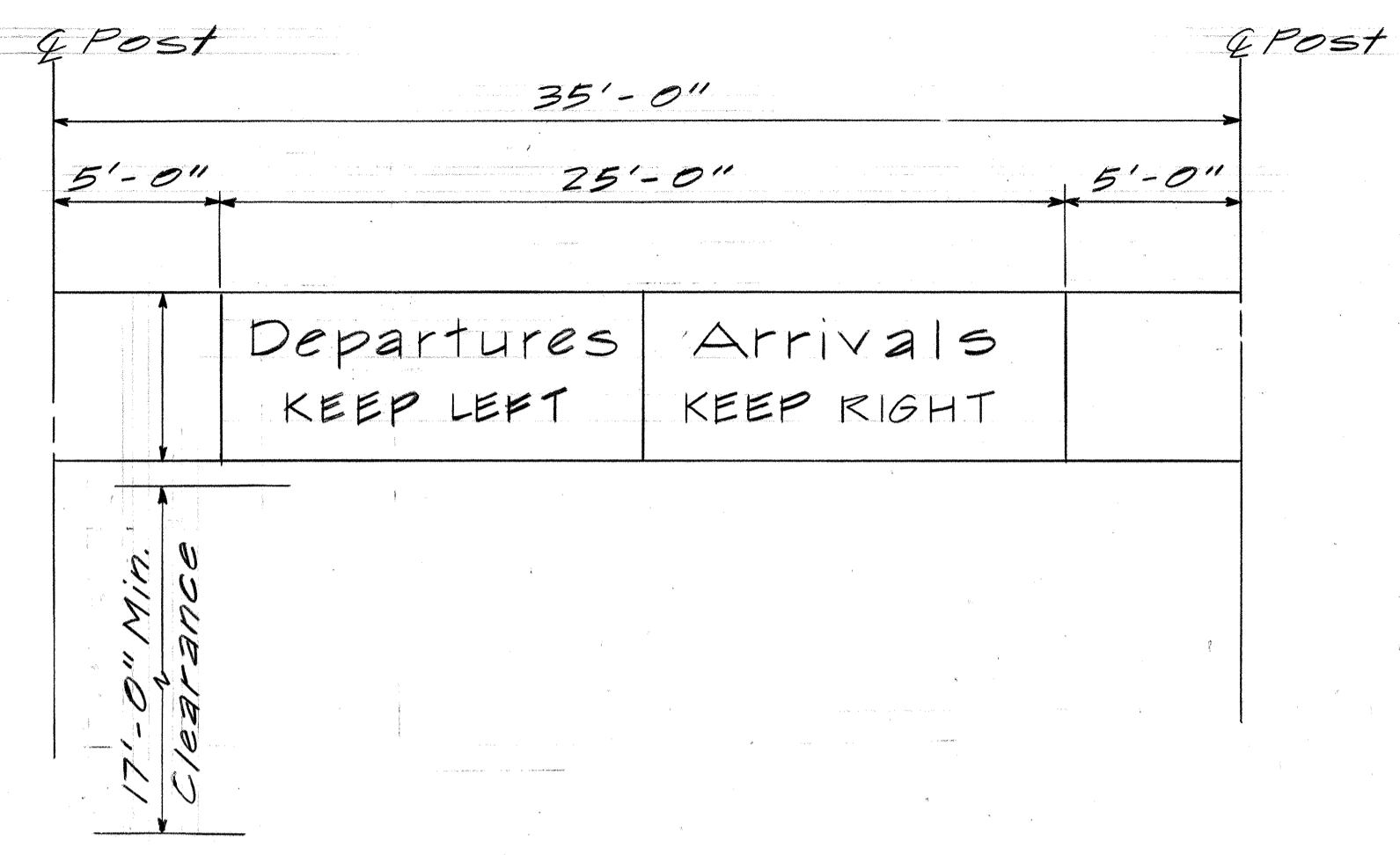
AIRPORT INTERCHANGE  
FAI PROJ. I-HI-14216:16

SCALE: NONE DATE: JUNE 1, 1979

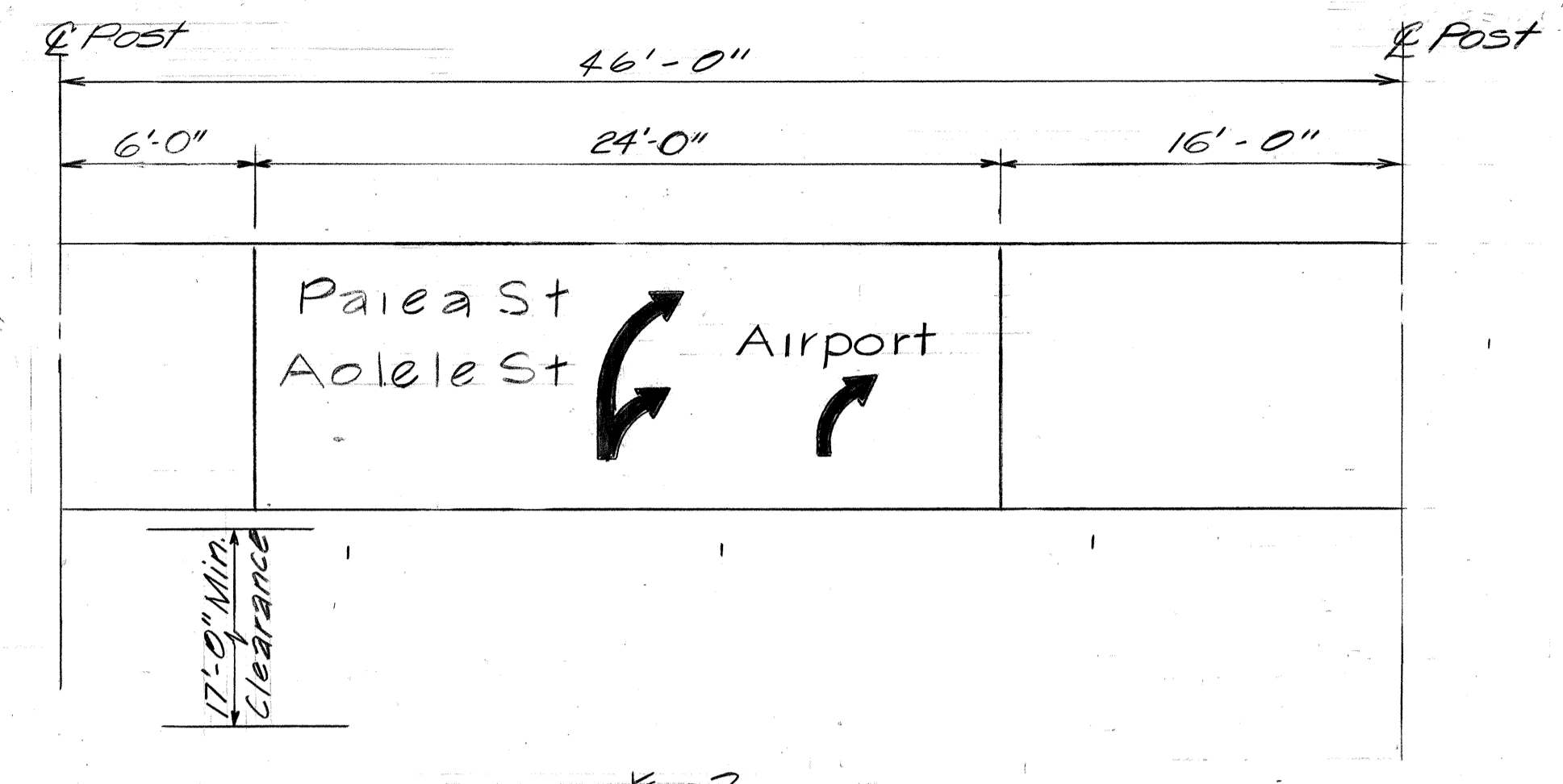
SHEET NO. OF SHEETS

No.	DATE	REVISION
1	4-8-80	Revised End Station for R-PF

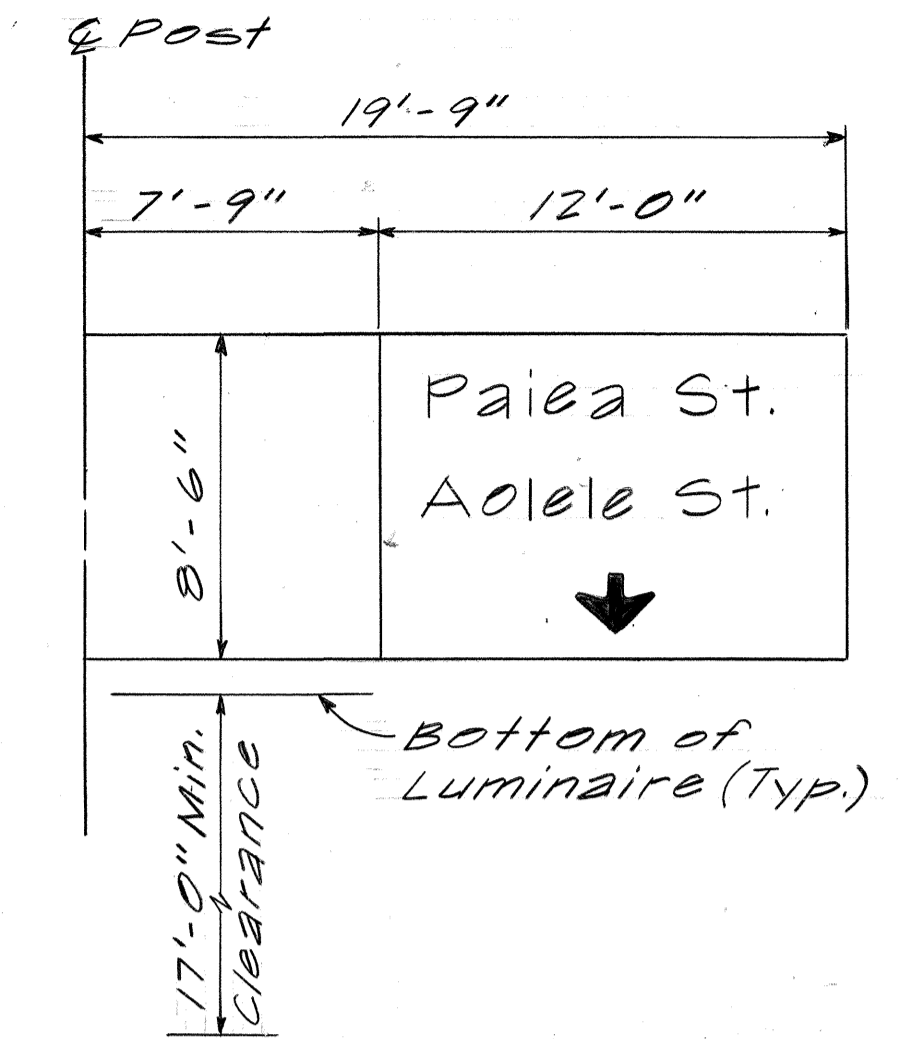
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	EHI(146)14	1979	36	283



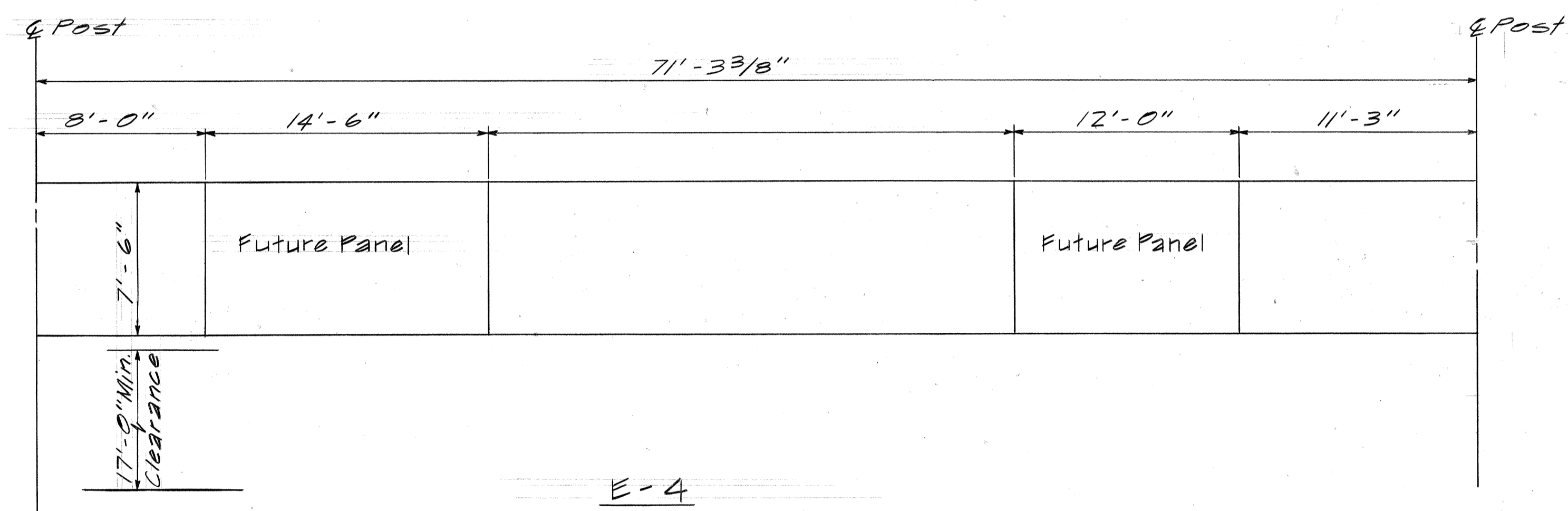
**E-1**  
R-EA STA. 57+45  
Note: Cover Panel with Blank Overlay



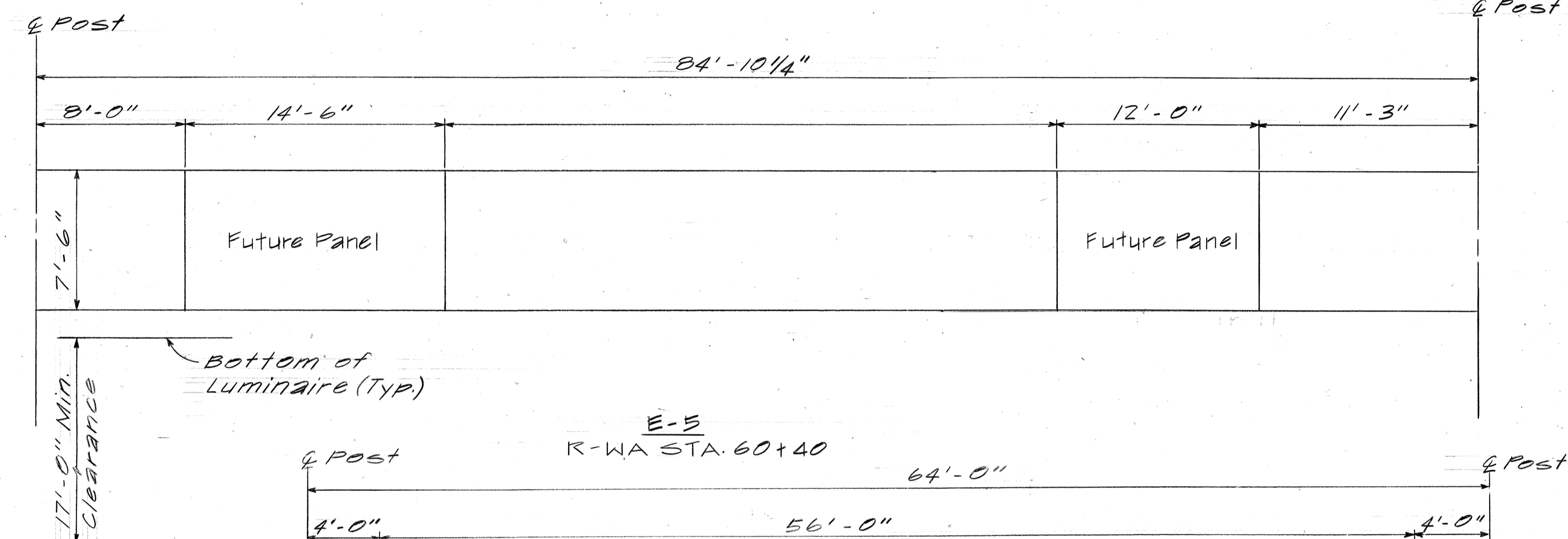
**E-2**  
R-WA STA. 50+46



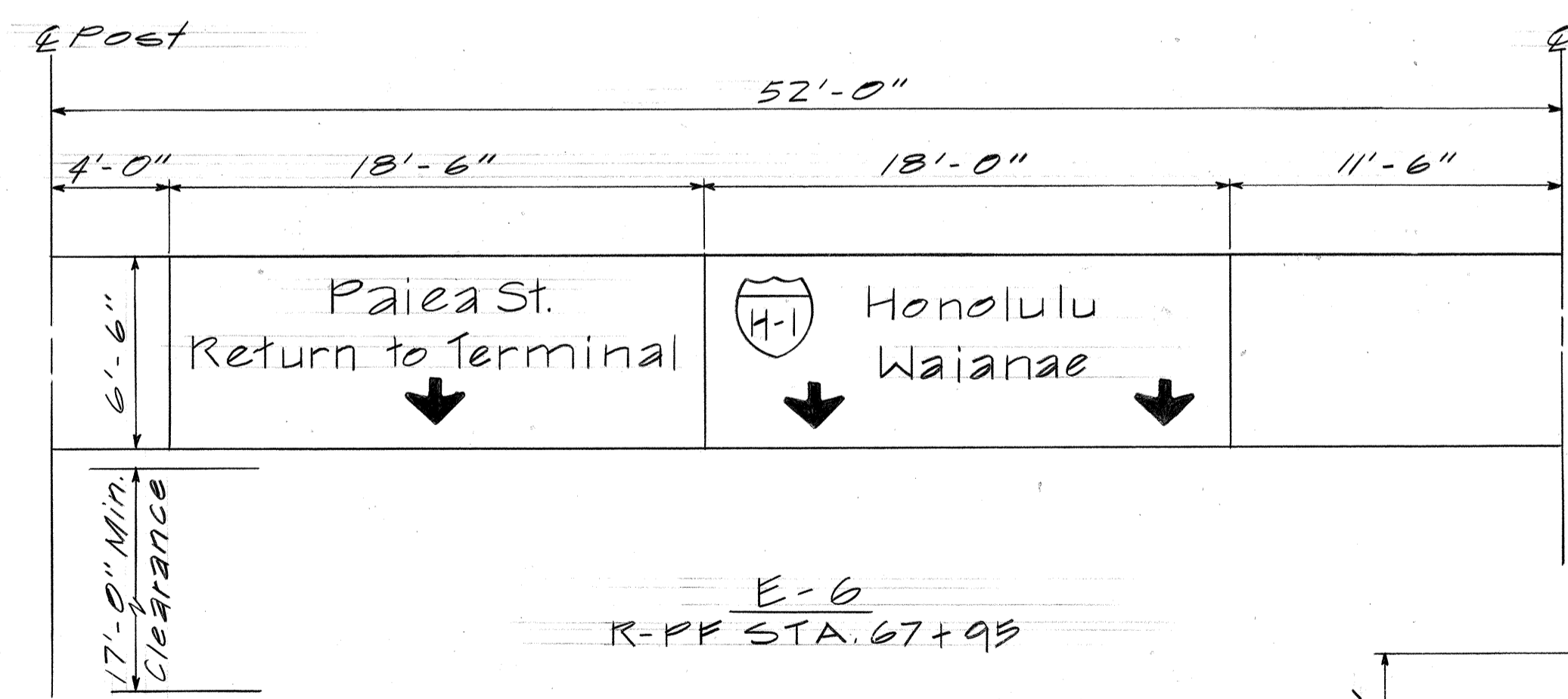
**E-3**  
R-WI STA. 57+40



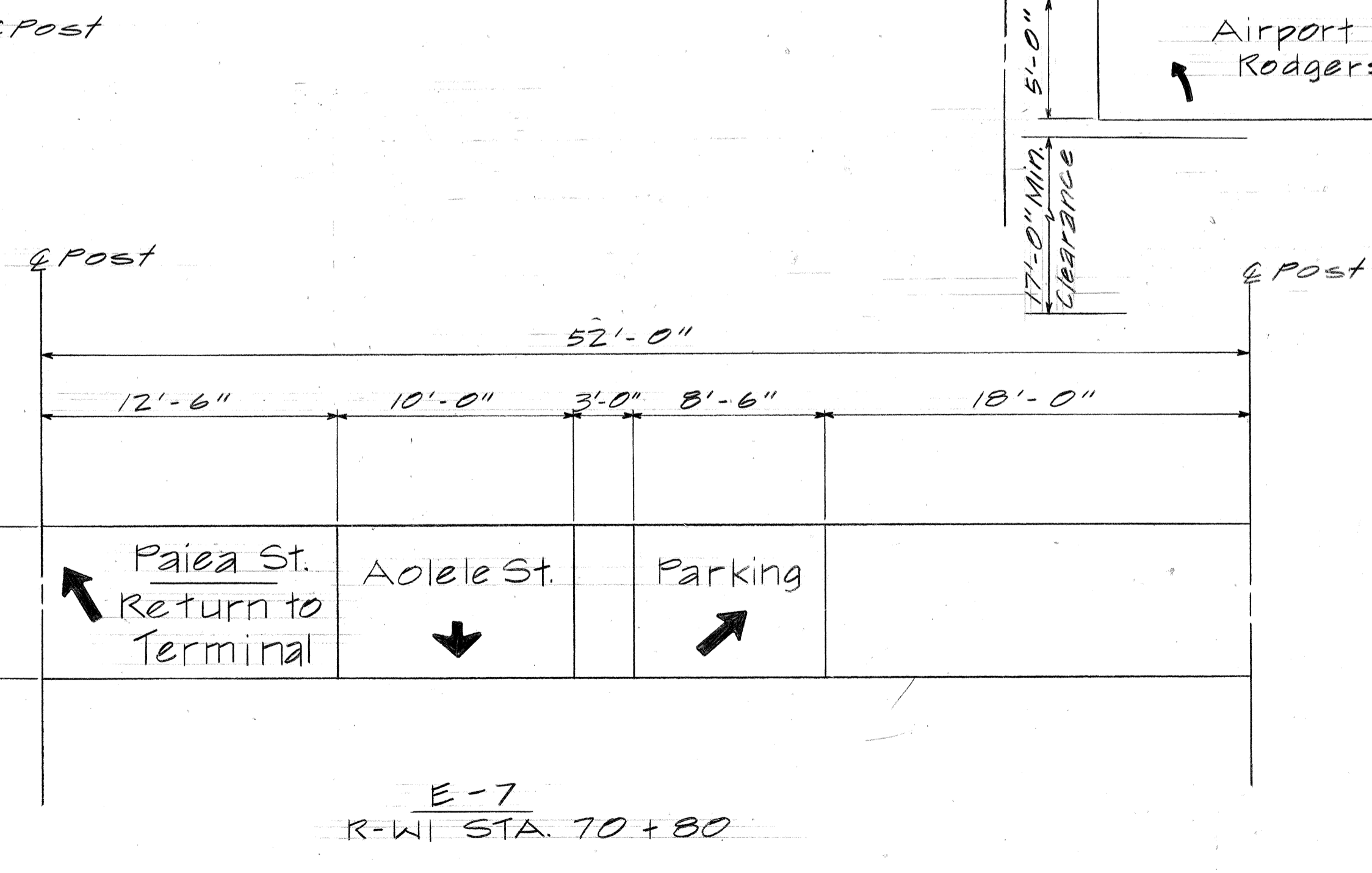
**E-4**  
R-EA STA. 43+80  
Note: Cover



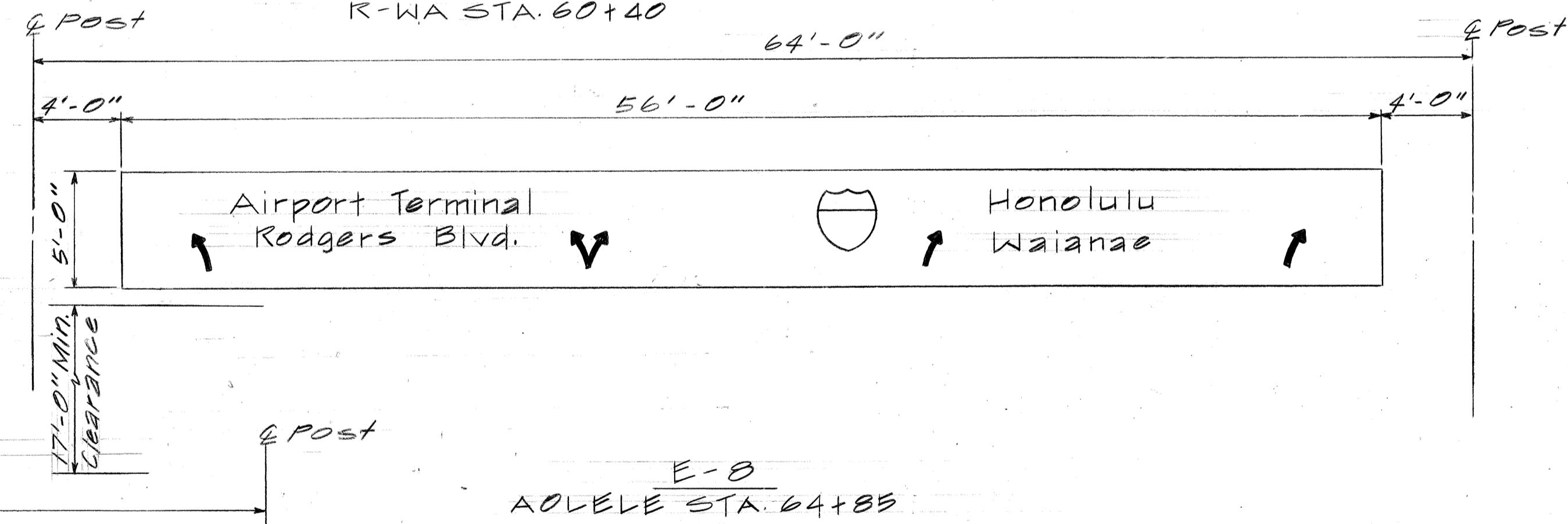
**E-5**  
R-WA STA. 60+40



**E-6**  
R-PF STA. 67+95



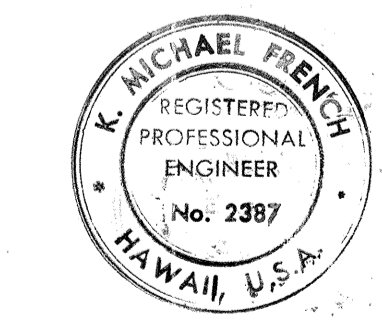
**E-7**  
R-WI STA. 70+80



**E-8**  
AOLELE STA. 64+85

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

1	1-3-80	Revised Sign E-2
No.	DATE	REVISION



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Signature

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
LAND TRANSPORTATION FACILITIES DIVISION

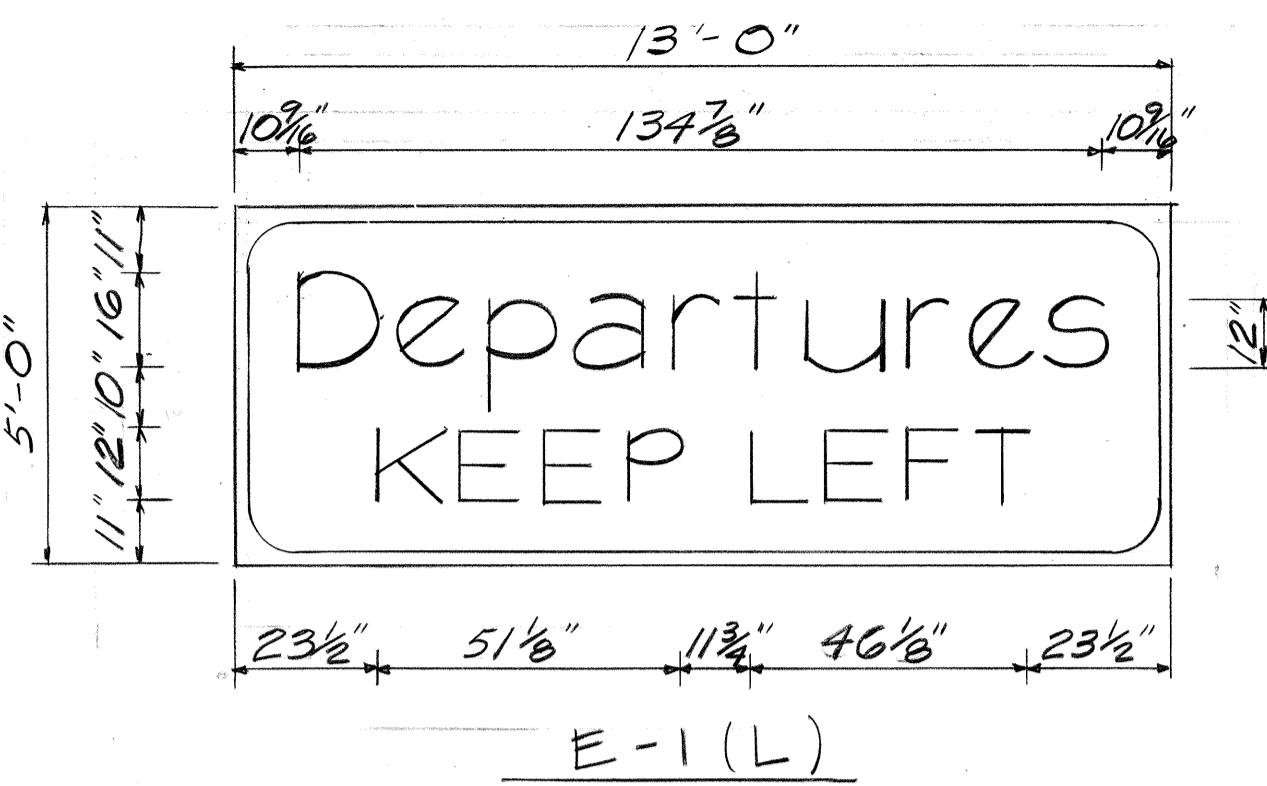
### SIGN FRAME LAYOUT

AIRPORT INTERCHANGE  
F.A.I. PROJ I-HI-1(146)16

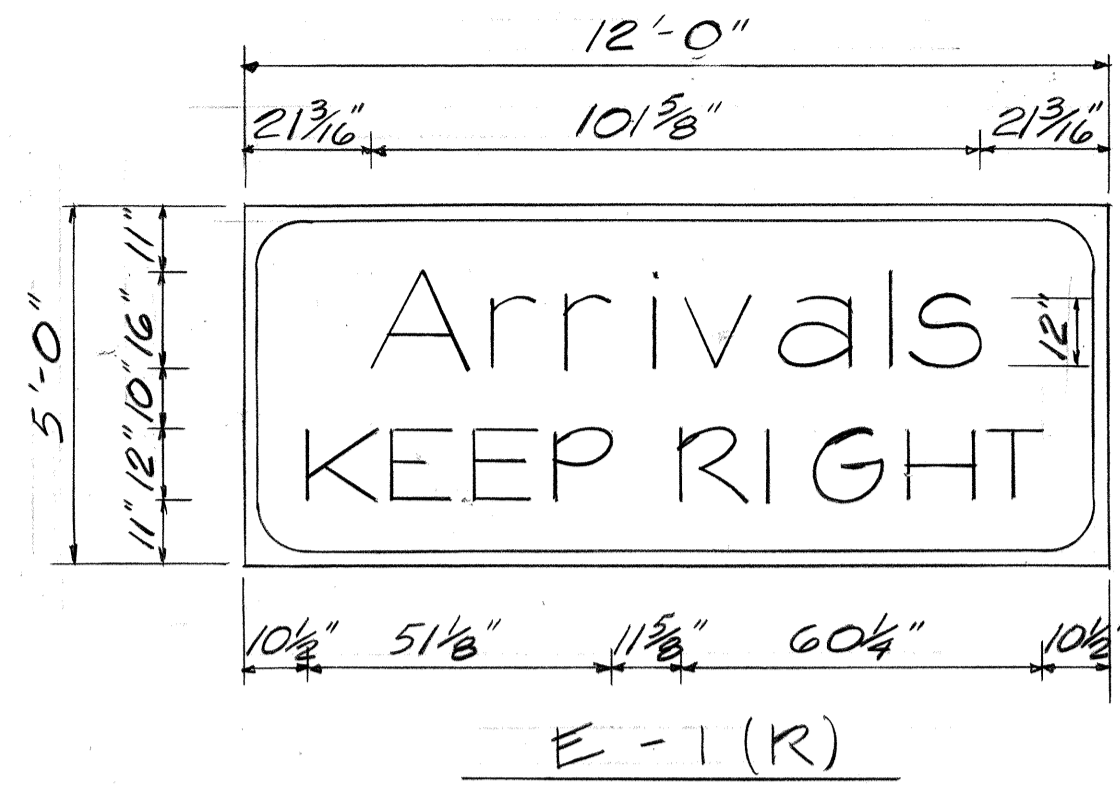
SCALE: NONE      DATE: JUNE, 1, 1979

SHEET No. OF SHEETS

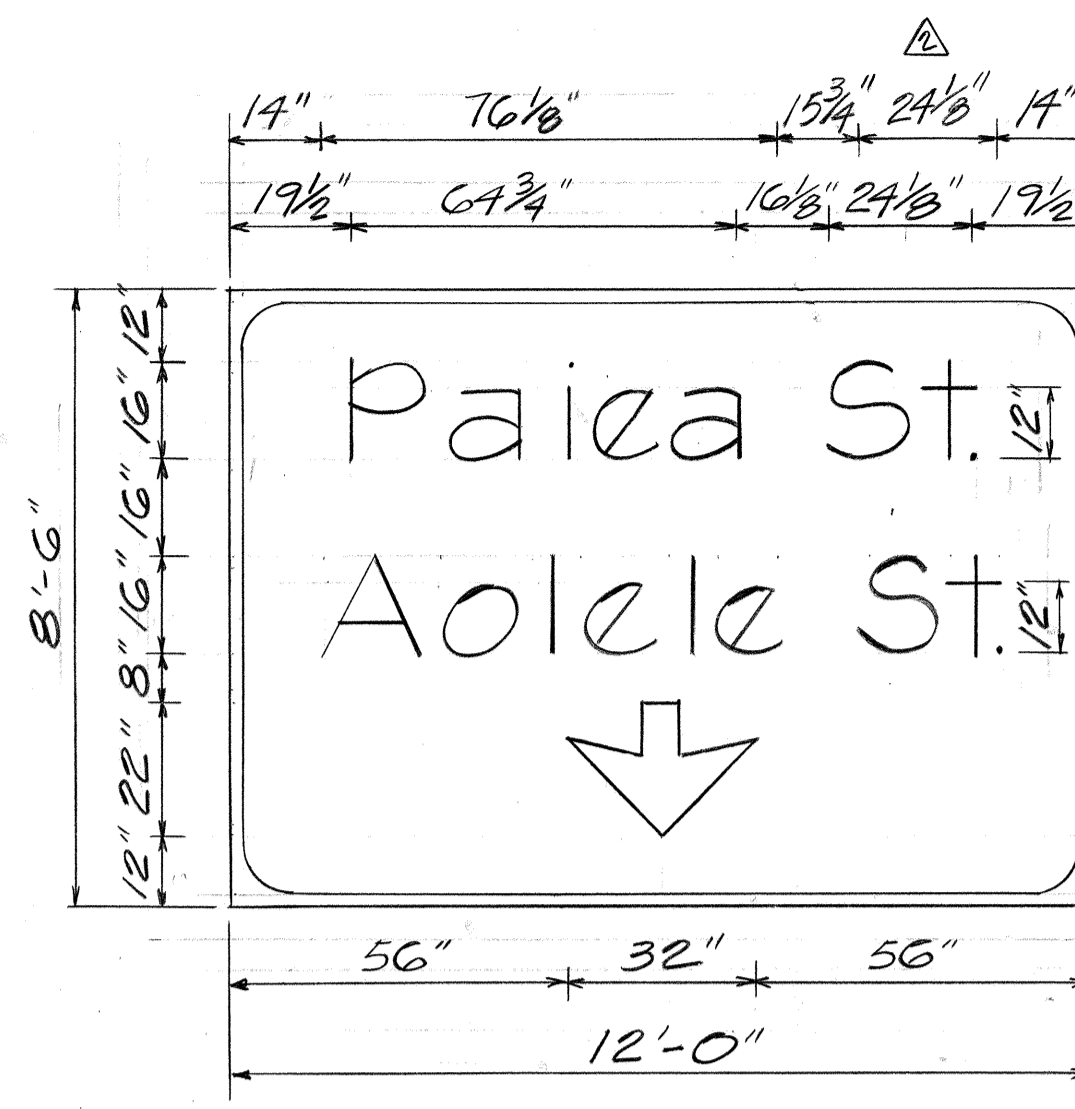
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(14)16	1979	37	283



E-1(L)



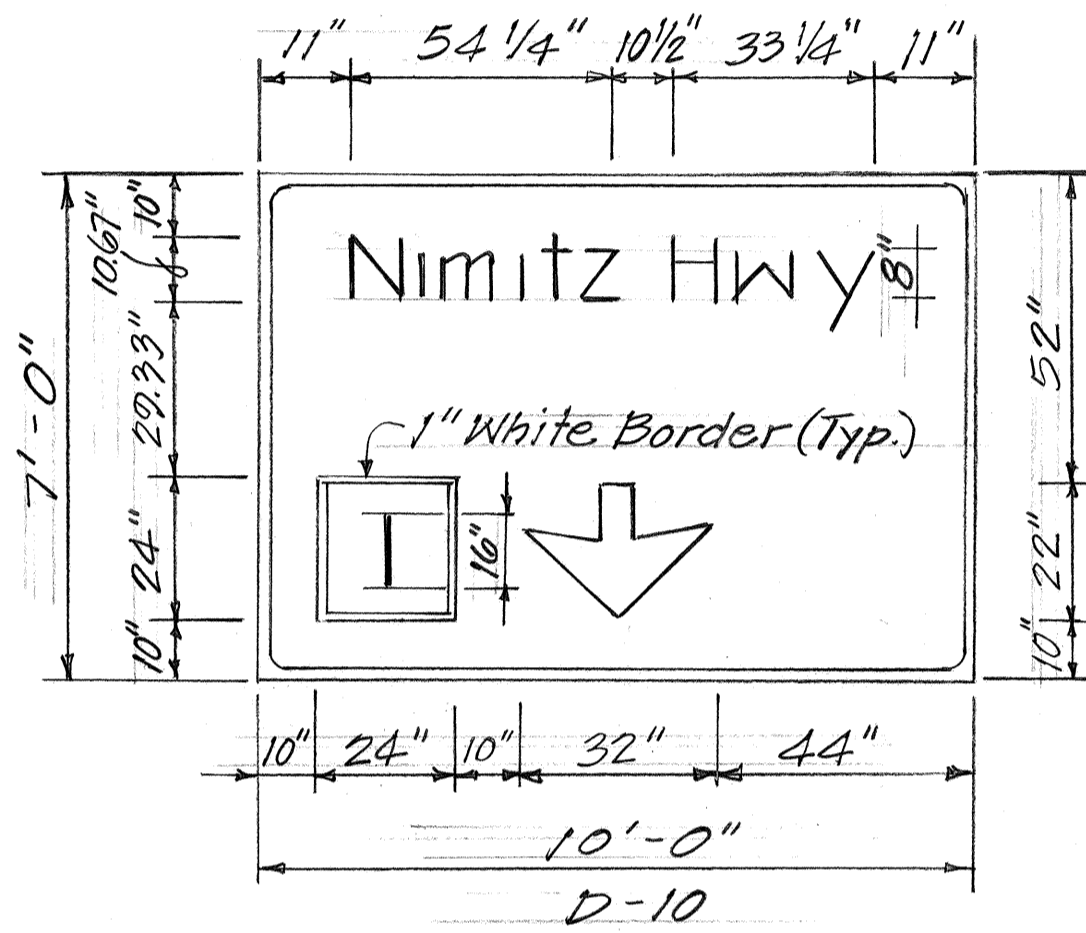
E-1(R)



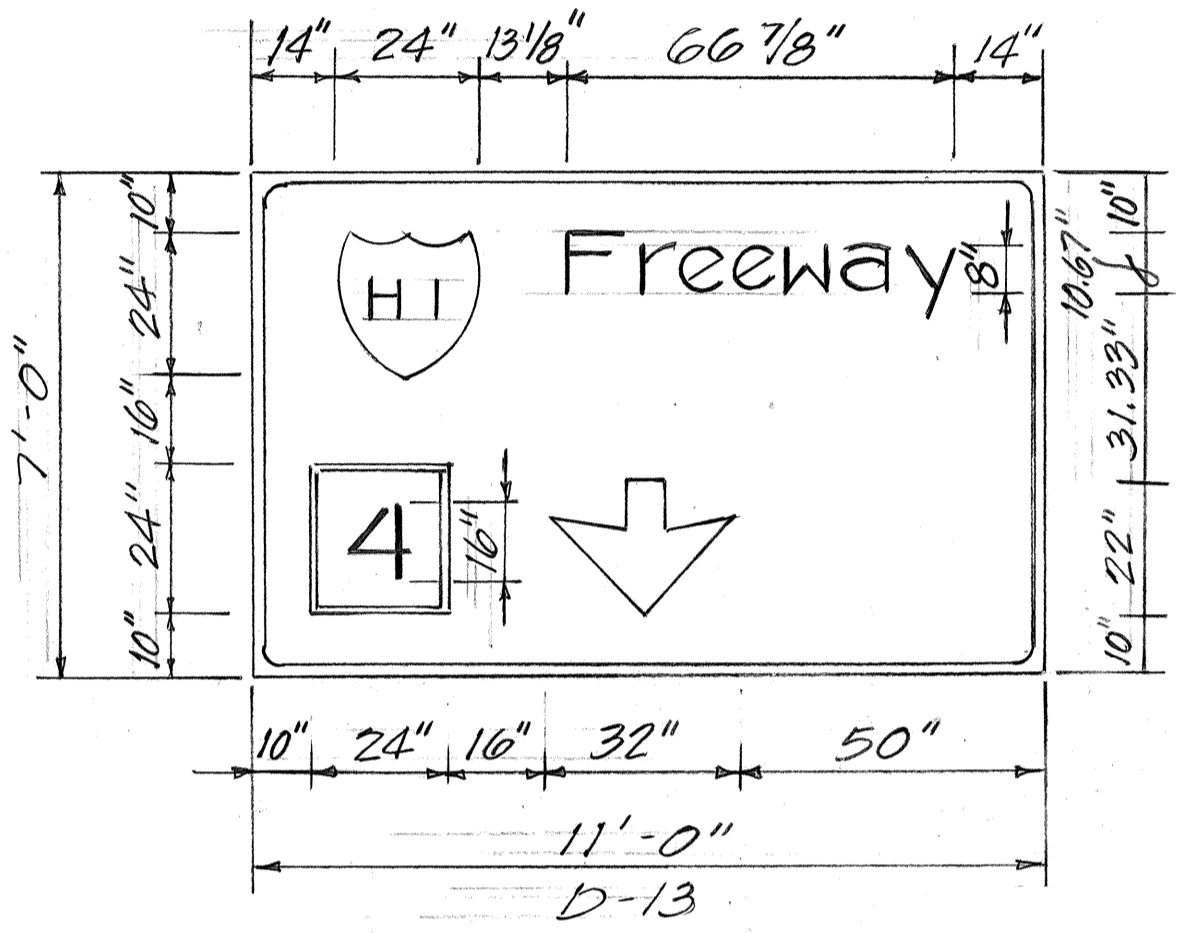
E-3



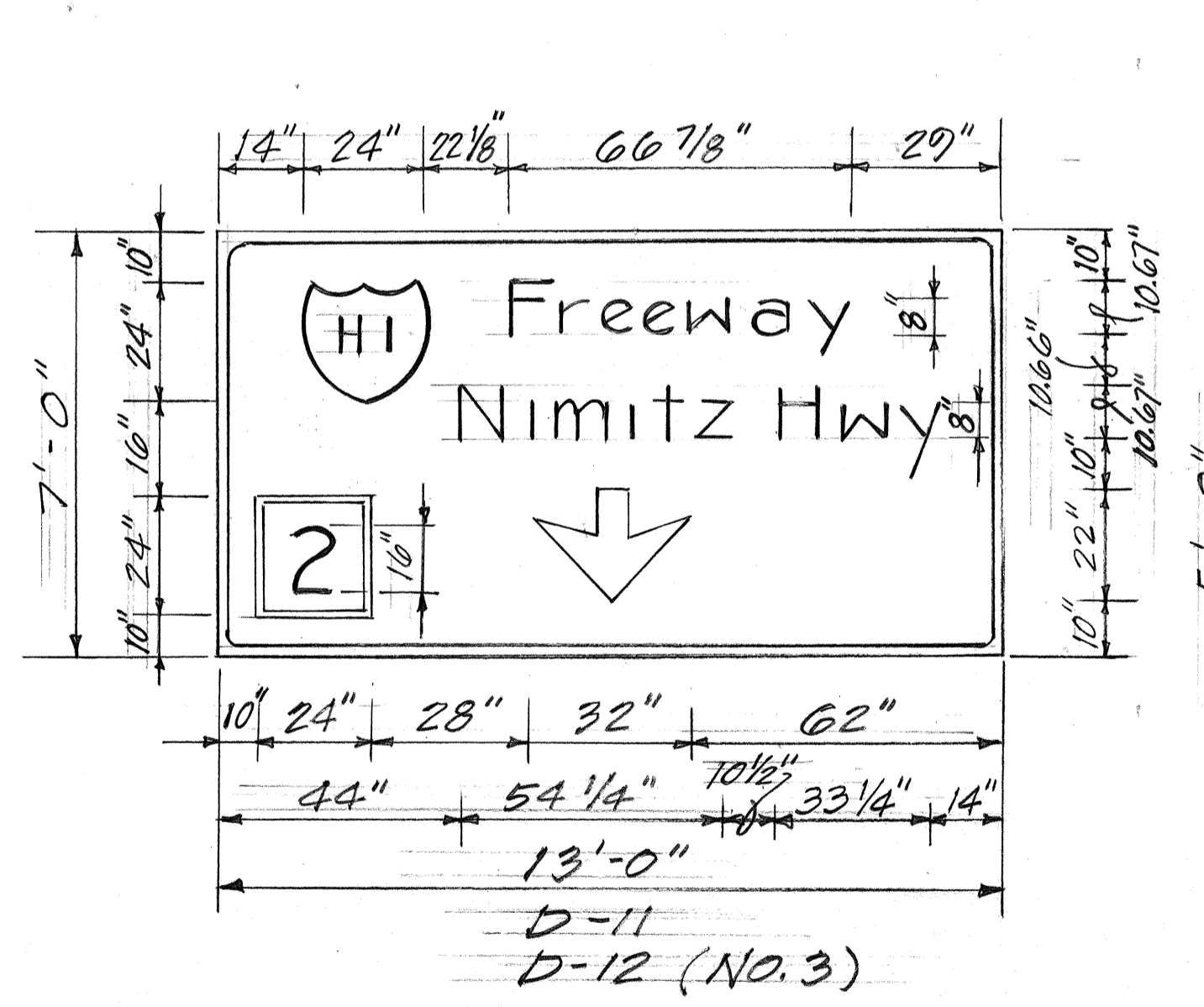
E-2



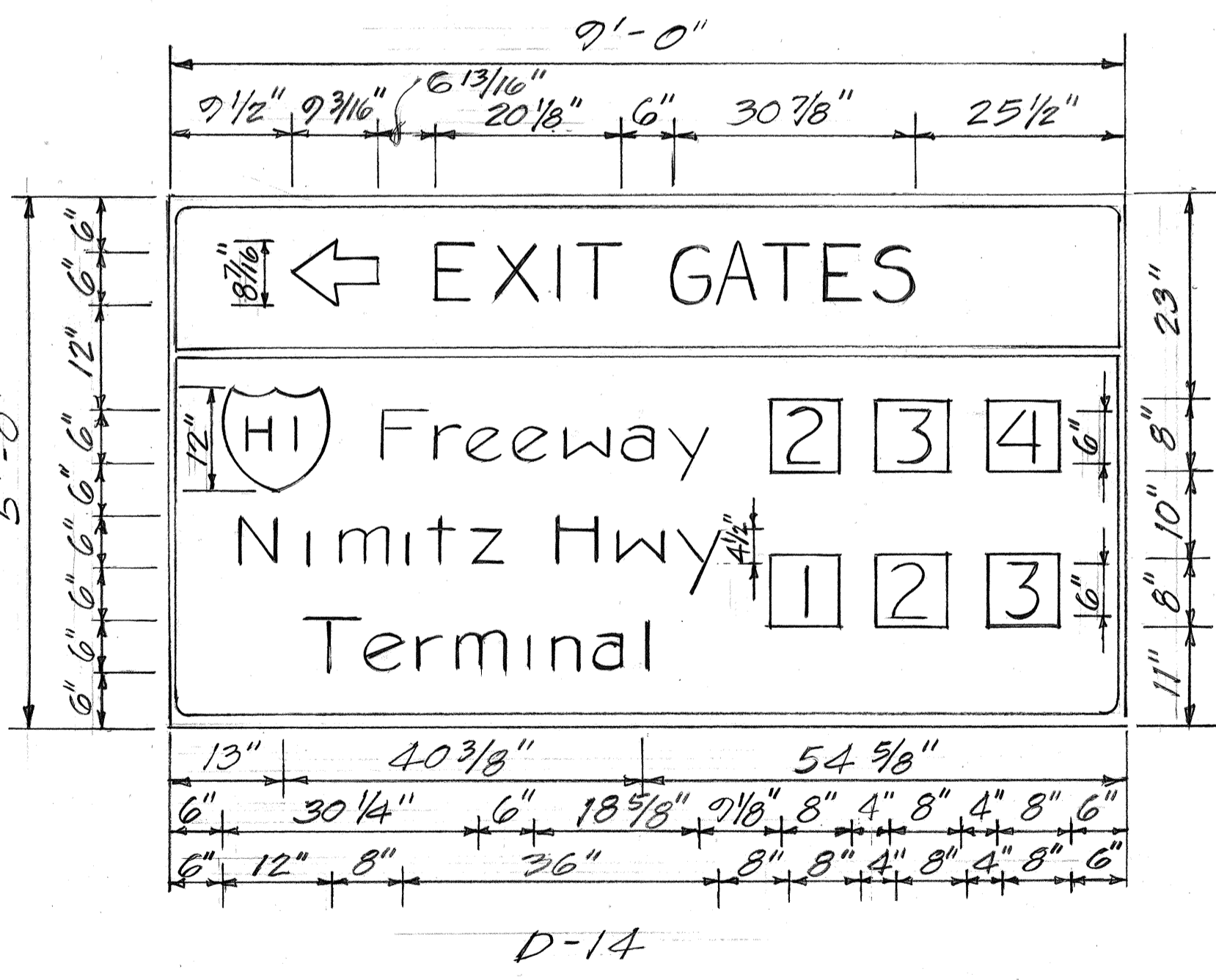
D-10



D-13

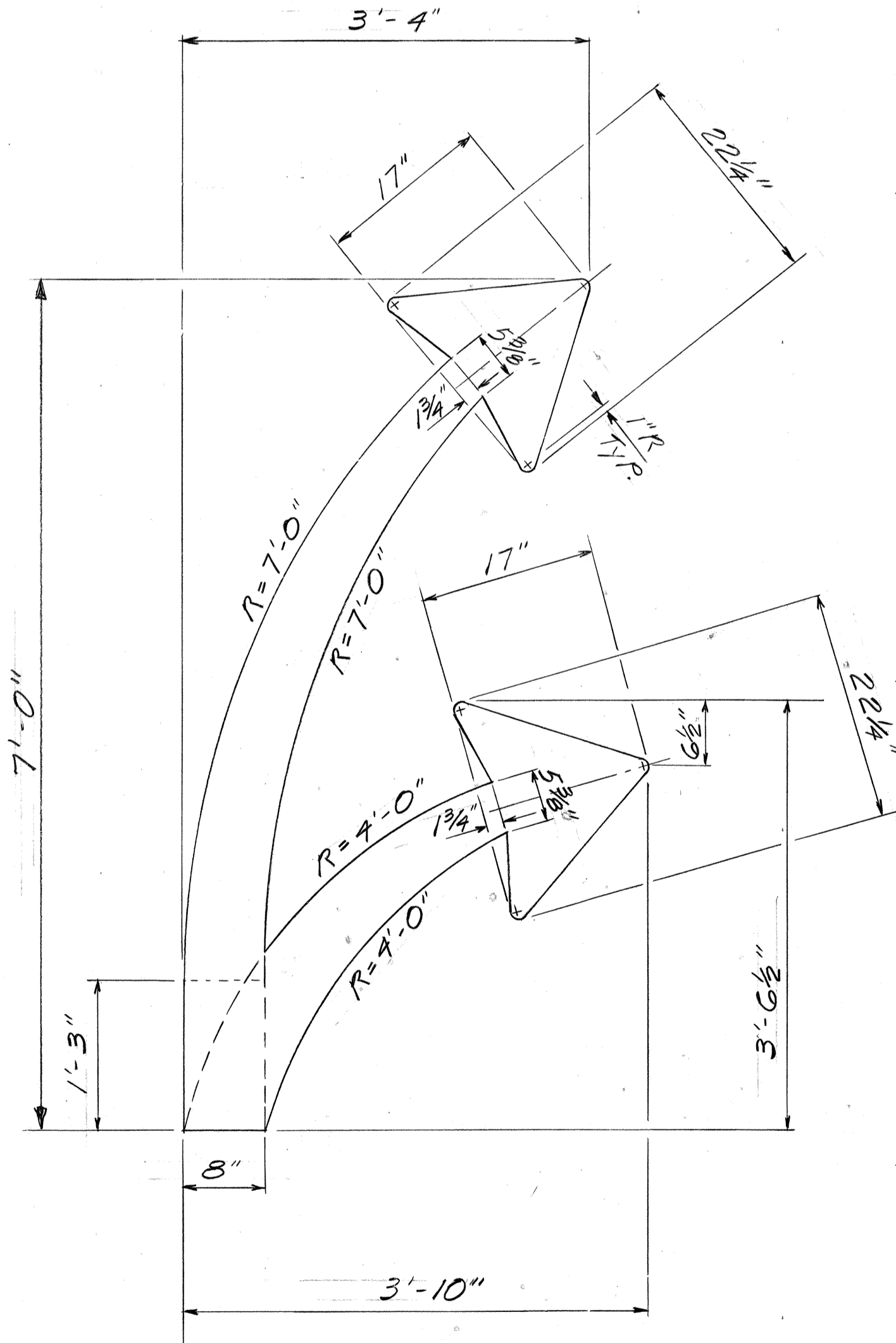


D-11  
D-12 (NO. 3)



D-14

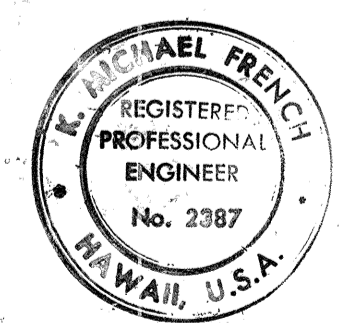
Note:  
Signs D-10 Thru D-14  
are Temporary Signs



Scale: 1" = 1'-0"

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
CHECKED BY	
NO.	

NO	DATE	REVISION
3	7-29-81	Revised Sign D-14
2	7-7-81	Added Signs D-10, D-11, D-12, D-13 & D-14
1	1-3-80	Revised Sign E-2



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.  
Signature: Michael French

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
LAND TRANSPORTATION FACILITIES DIVISION

**SIGN PANELS**

AIRPORT INTERCHANGE  
F.A.I. PROJ. NO. I-HI-1(14)16

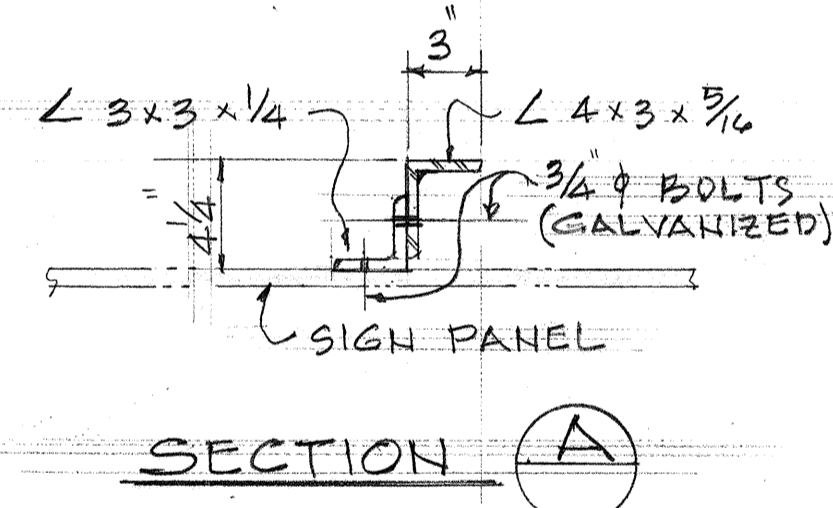
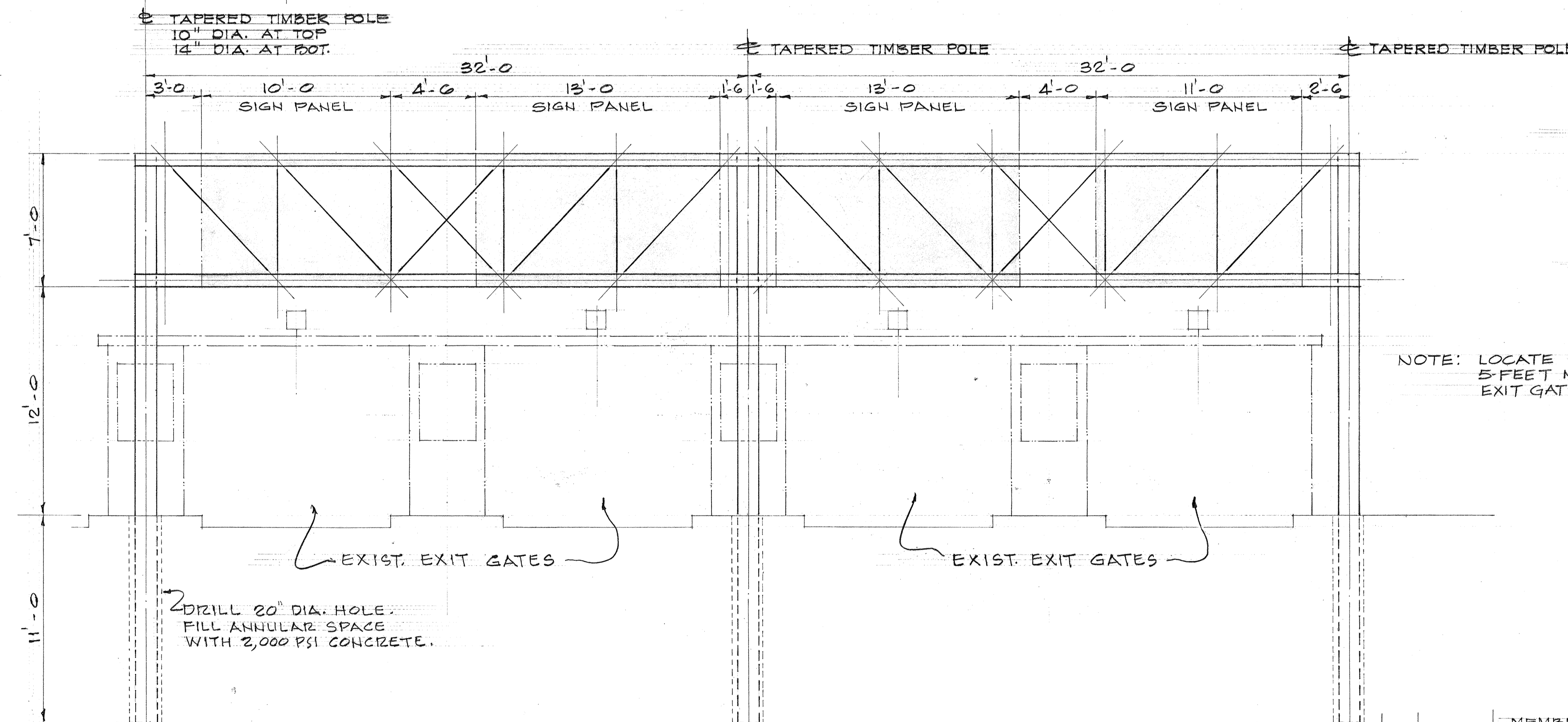
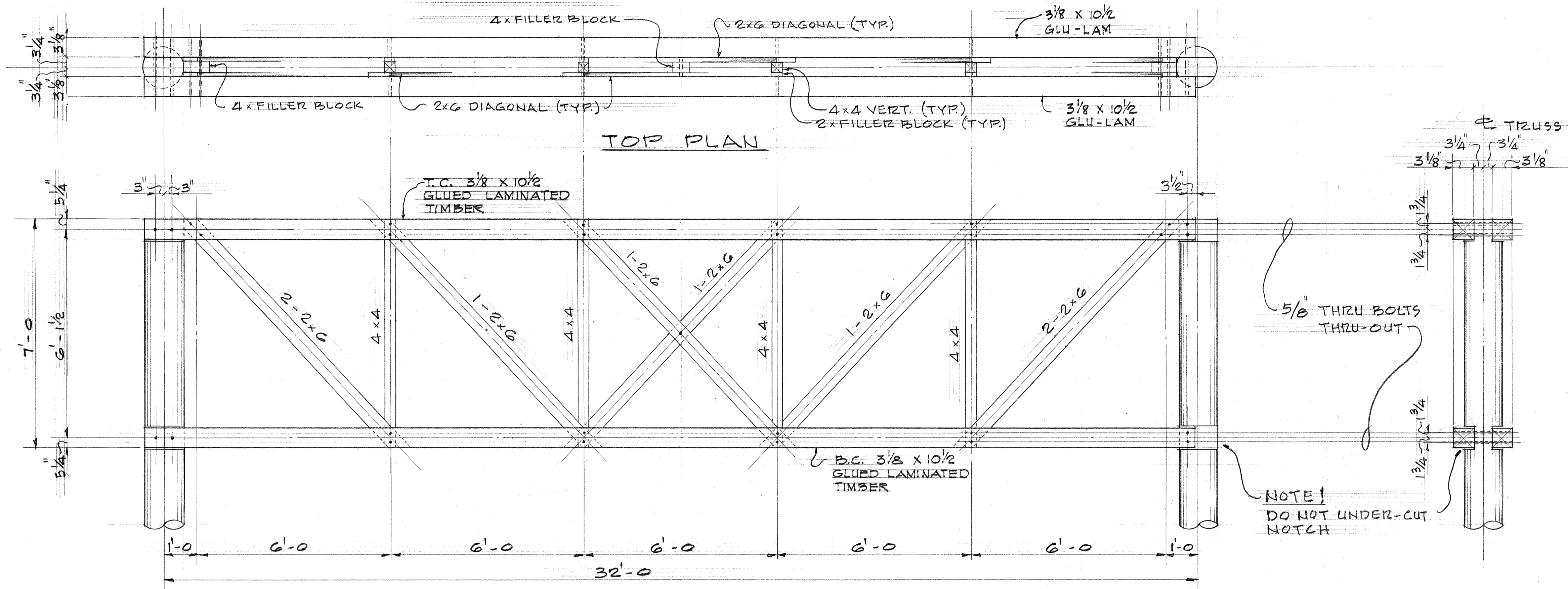
As Noted  
SCALE: 3/8" = 1'-0" DATE: JUNE 1, 1979

SHEET NO. OF SHEETS

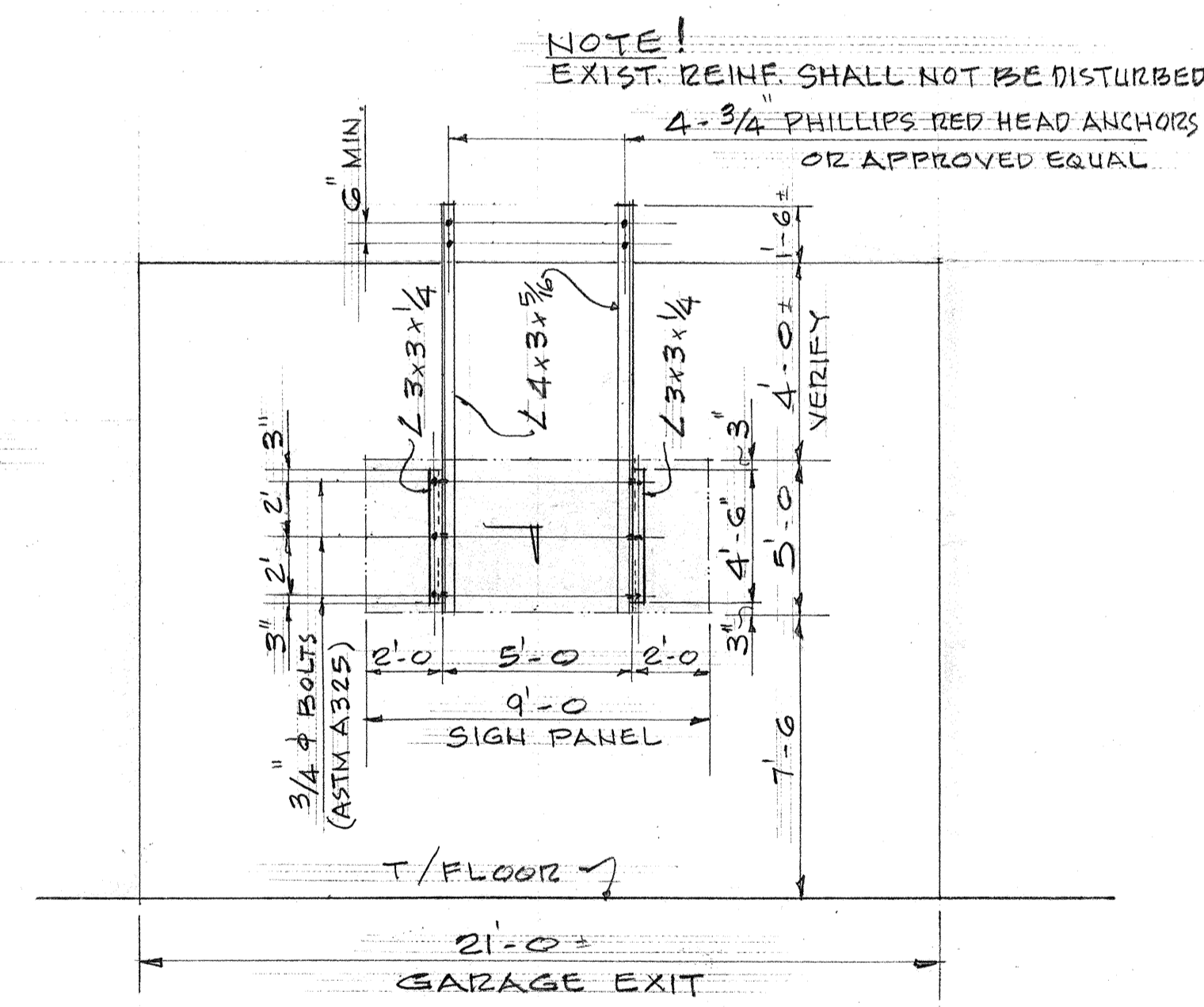
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI(146)16		37A	

**GENERAL NOTES**

- A. STRUCTURAL GLUED LAMINATED TIMBER SHALL BE DOUGLAS FIR LARCH WITH THE FOLLOWING ALLOWABLE STRESSES:
  1. TENSION PARALLEL TO GRAIN,  $F_t = 1,400$  PSI
  2. COMPRESSION PARALLEL TO GRAIN,  $F_c = 1,800$  PSI
  3. BENDING PARALLEL TO WIDE FACE,  $F_b = 1,500$  PSI
  4. BENDING PERPENDICULAR TO WIDE FACE,  $F_b = 1,800$  PSI
 ADHESIVES SHALL MEET THE REQUIREMENTS OF WET CONDITION OF SERVICE. APPEARANCE OF MEMBER SHALL BE INDUSTRIAL GRADE. ALL MEMBERS SHALL BE WOLMANIZED.
- B. TIMBER TRUSS WEB MEMBERS SHALL DOUGLAS FIR LARCH No. 2 WITH THE FOLLOWING ALLOWABLE DESIGN VALUES.
  1. 4x4 VERT. MEMBERS,  $F_b = 1,450$  PSI
  2. 2x6 G. DIAG. MEMBERS,  $F_b = 1,250$  PSI
 ALL MEMBERS SHALL BE WOLMANIZED.
- C. TIMBER POLE SHALL BE SOUTHERN PINE, DOUGLAS FIR (COAST) OR WESTERN LARCH. BENDING STRESS,  $F_b = 2,150$  PSI.
- D. TRUSS BOLTS SHALL CONFORM TO ASTM A307 AND GALVANIZED.
- E. ANGLES SHALL CONFORM TO ASTM A36 ANGLES AND ANCHOR BOLTS SHALL BE GALVANIZED.



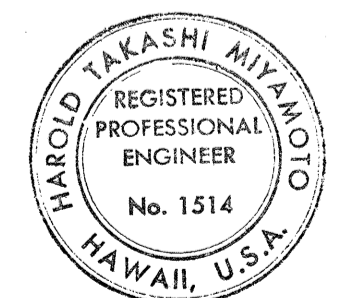
NOTE: LOCATE SIGN SUPPORT 5 FEET MAKAI FROM EXIST. EXIT GATE CANOPY.



NEW SIGN SUPPORT AT EXIST. GARAGE EXIT. 1/4" = 1'-0"

NEW SIGN SUPPORT AT EXIST. EXIT PLAZA. 1/4" = 1'-0"

No	DATE	REVISION
2	8-14-81	MEMBER SIZE CHANGED AND GENERAL NOTES.
1	7-27-81	Added Sheet

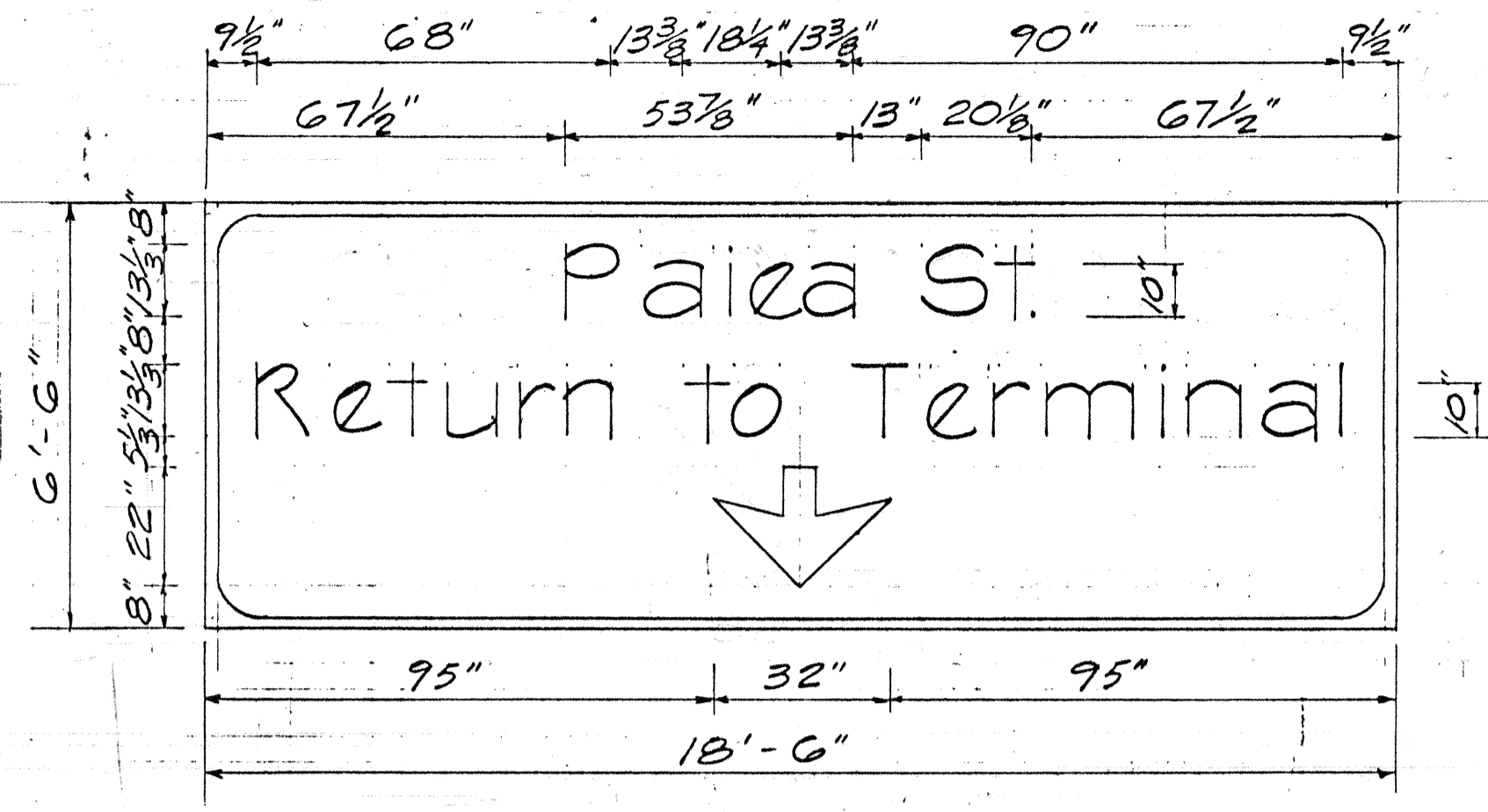


THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

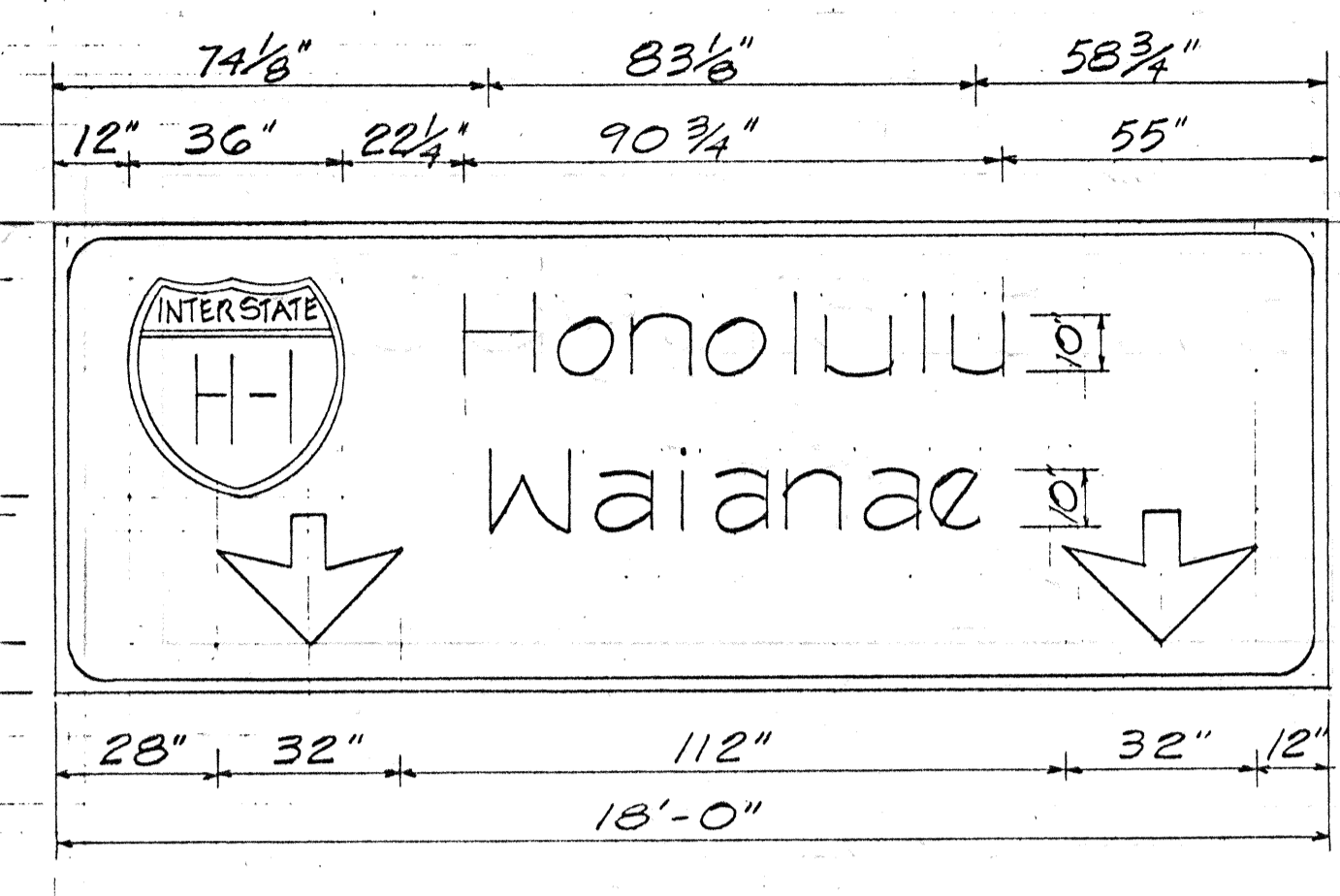
STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
NEW SIGN SUPPORTS AT EXISTING EXIT PLAZA AND EXISTING GARAGE EXIT  
AIRPORT INTERCHANGE  
F.A.I. PROJ. NO. I-HI-1(146)16  
SCALE: AS SHOWN DATE: JULY 20, 1981  
SHEET NO. OF SHEETS

ORIGINAL PLAN	DATE
DESIGNED BY	
CHECKED BY	
DATE	

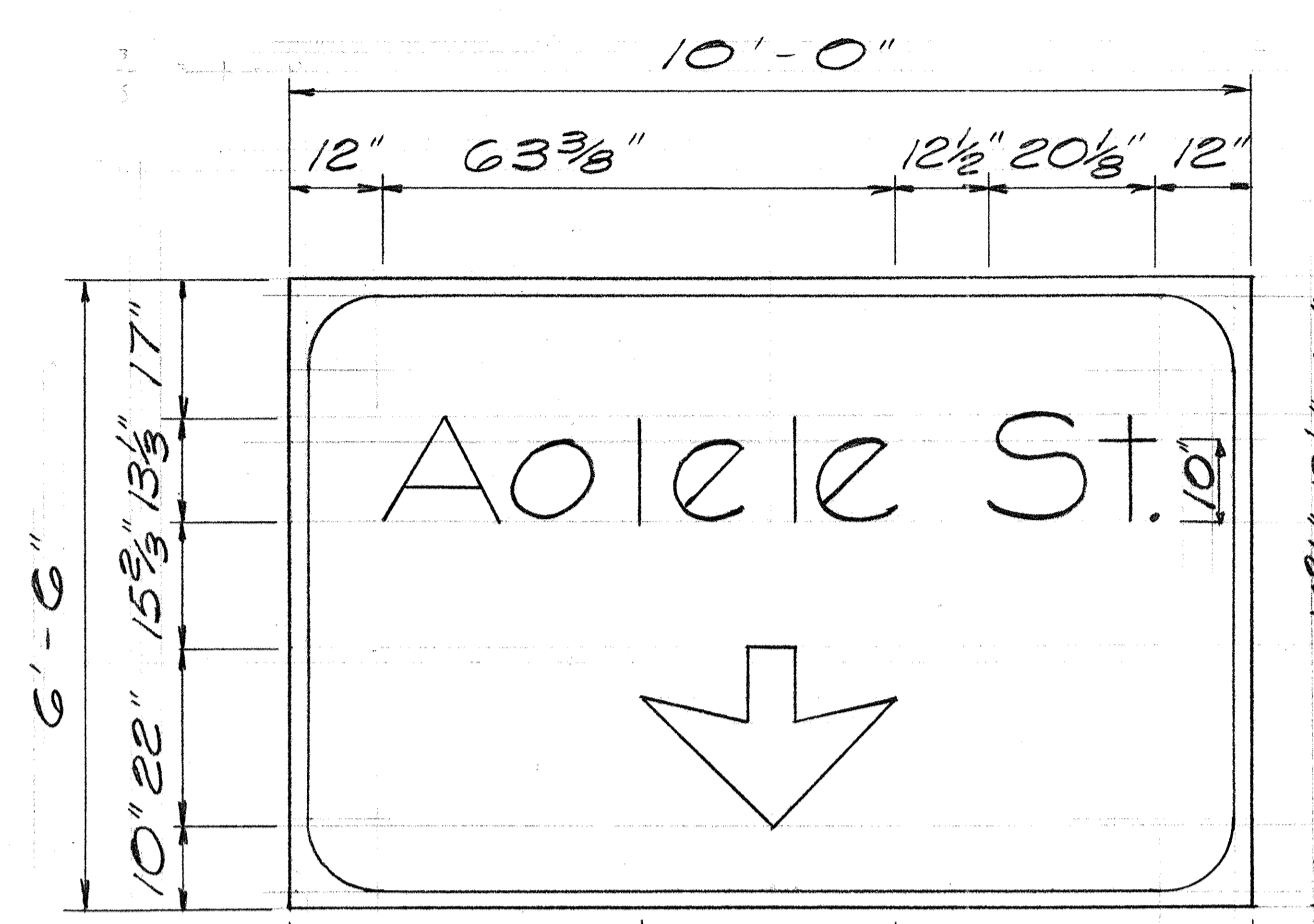
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(146):10	1979	38	283



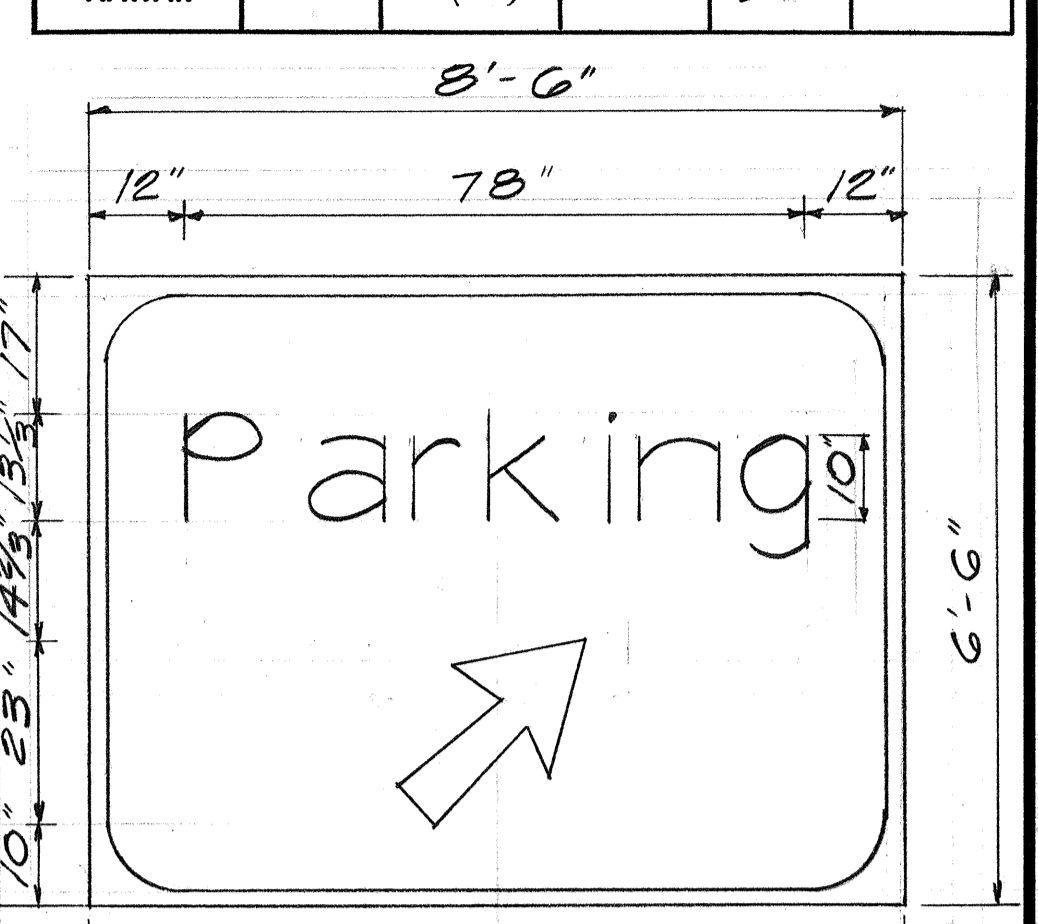
E-6 (L)  
Scale: 3/8" = 1'-0"



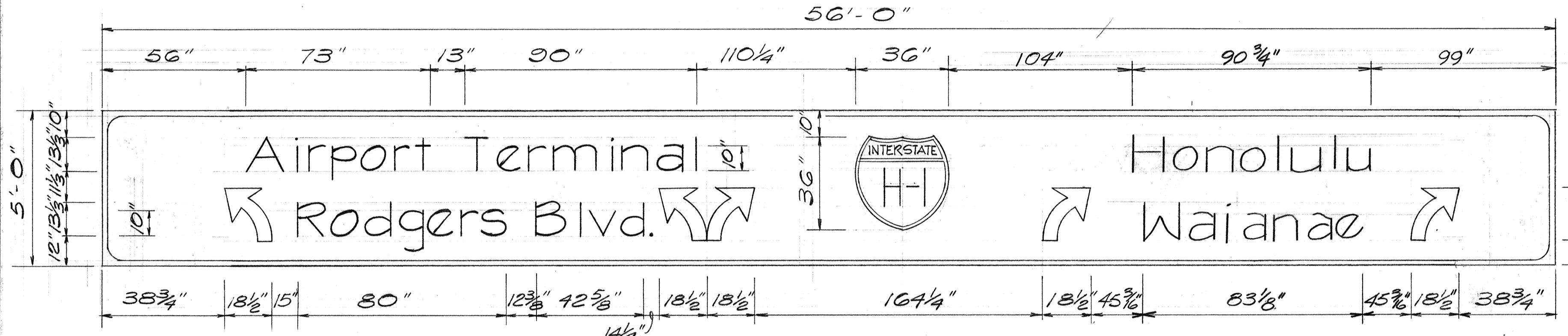
E-6 (R)  
Scale: 3/8" = 1'-0"



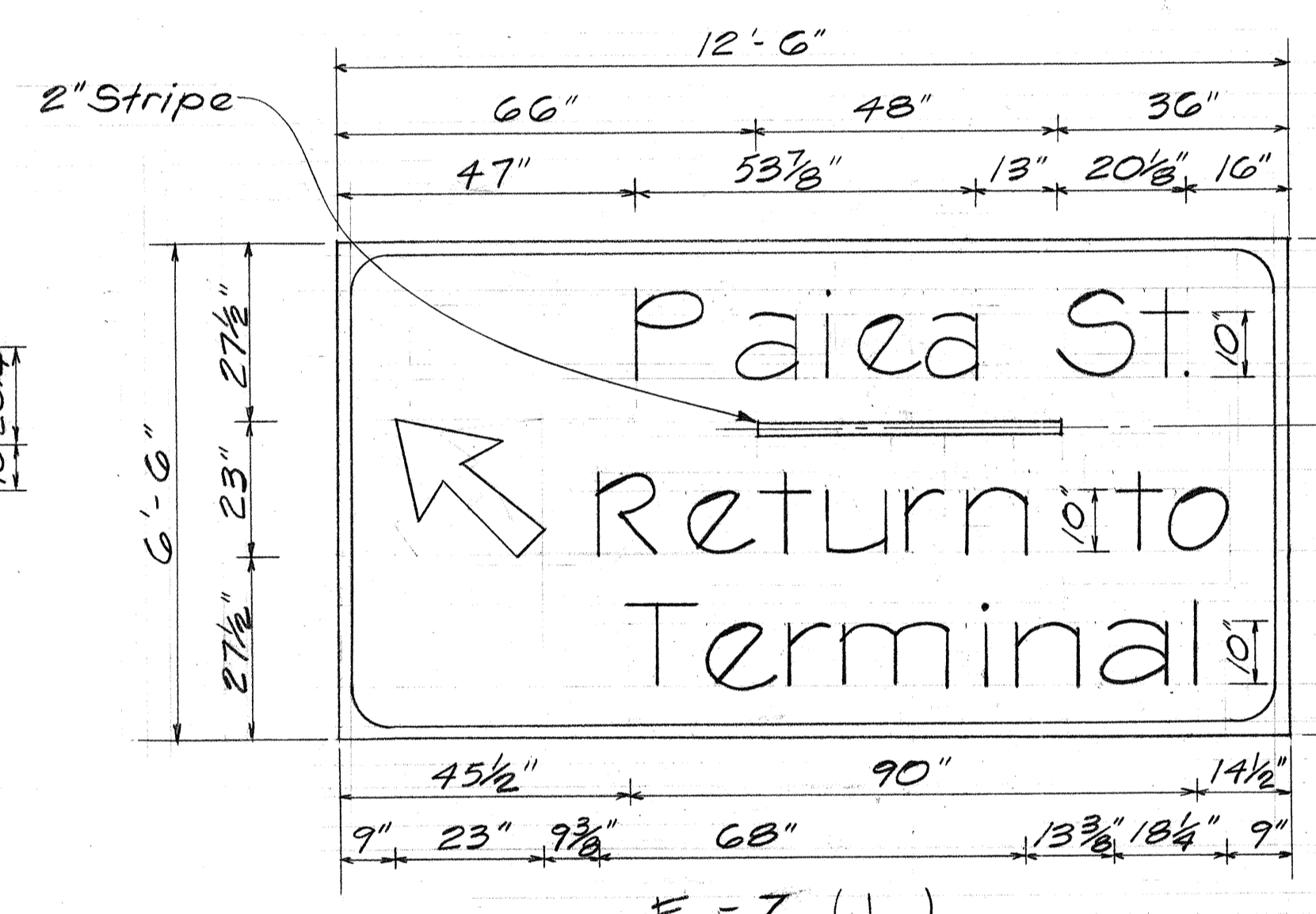
E-7 (C)  
Scale: 1/2" = 1'-0"



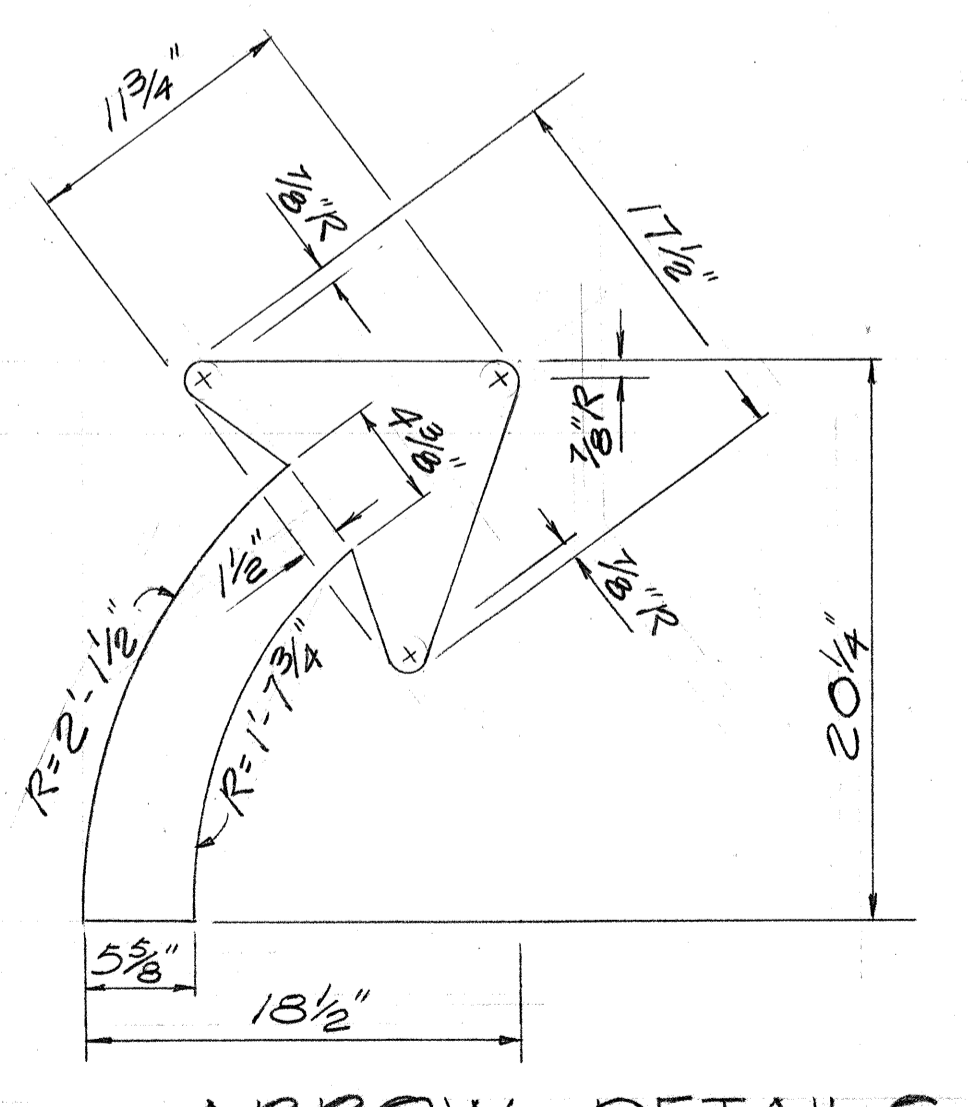
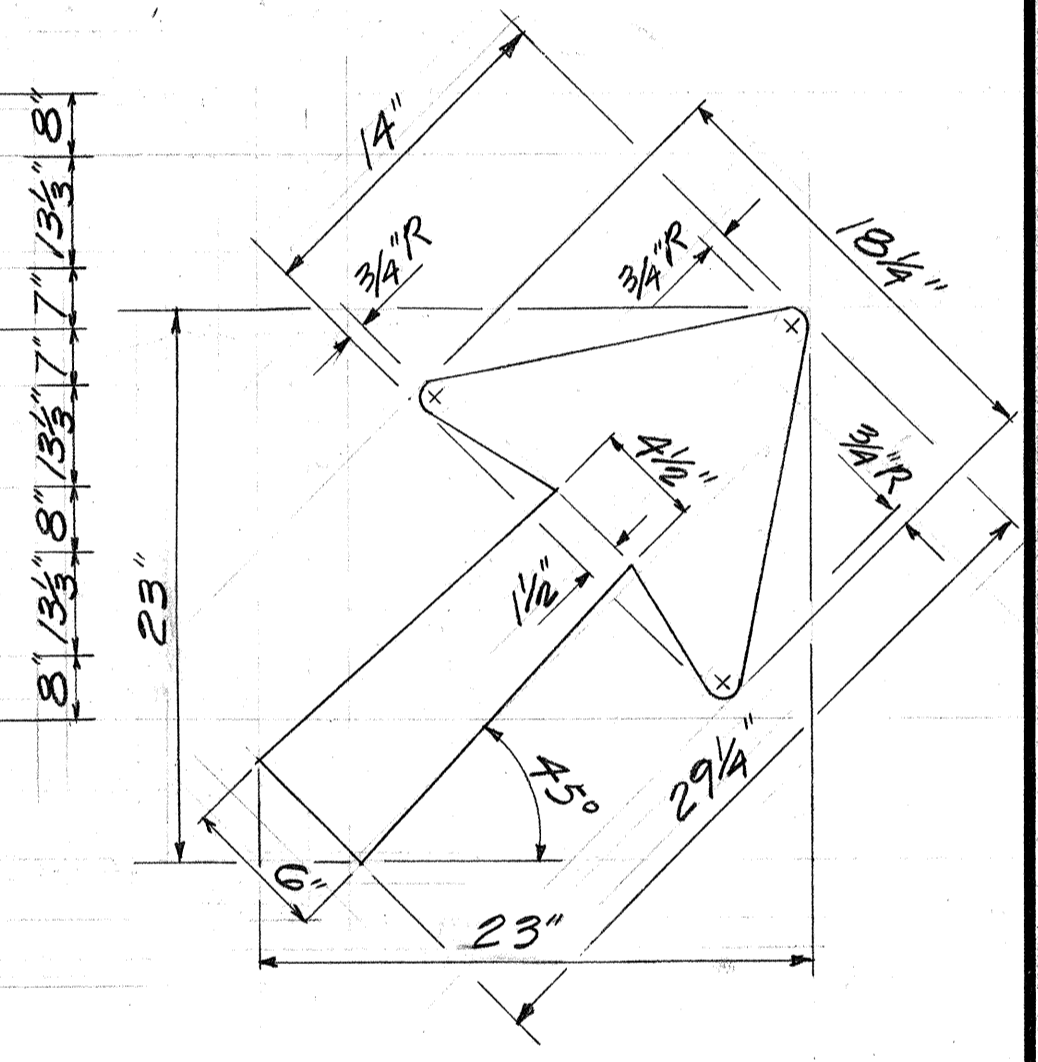
E-7 (R)  
Scale: 1/2" = 1'-0"



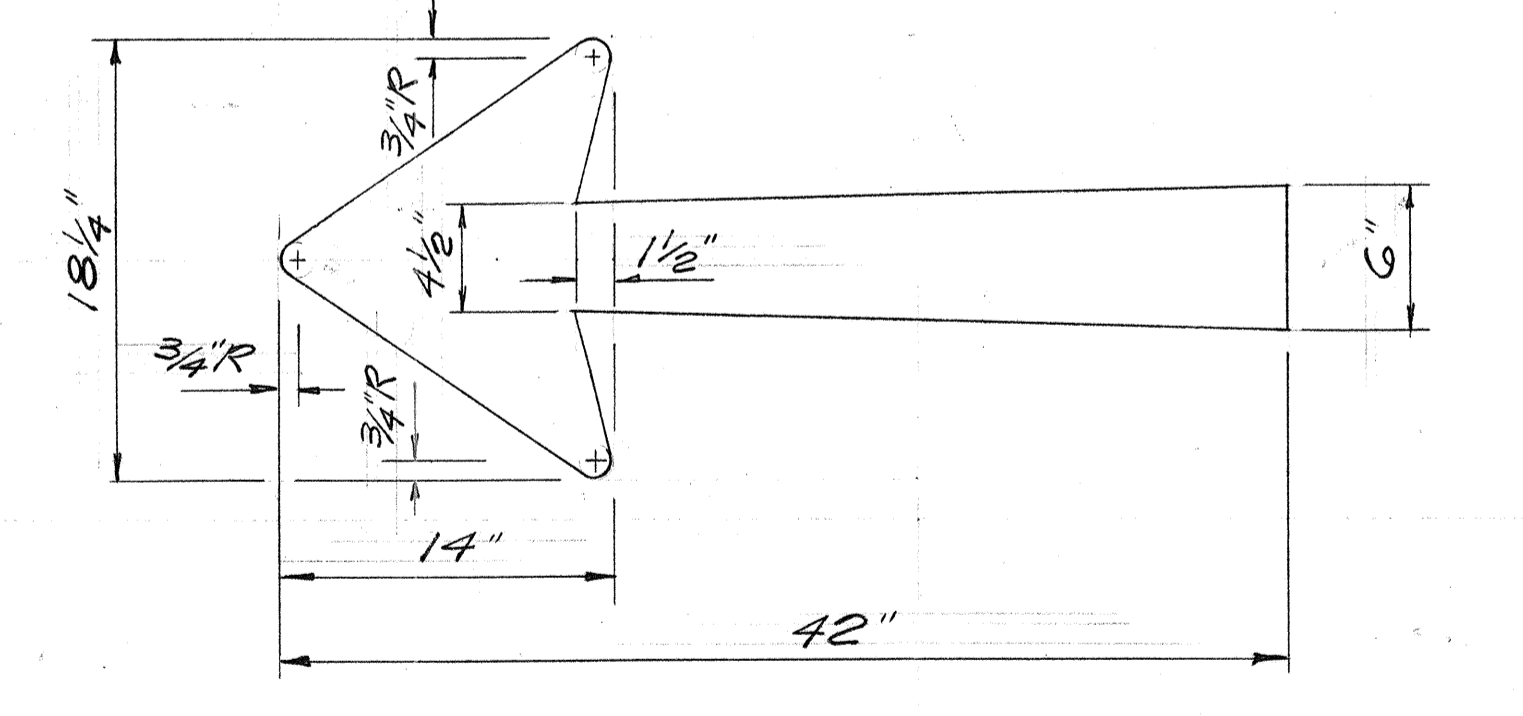
E-8  
Not to Scale



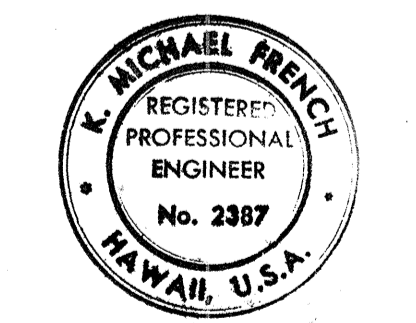
E-7 (L)  
Scale: 1/2" = 1'-0"



ARROW DETAILS  
Scale: 1/2" = 1'-0"



ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	
DRAWN BY	
TRACED BY	
DESIGNED BY	
CHECKED BY	
No.	



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION  
Signature

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

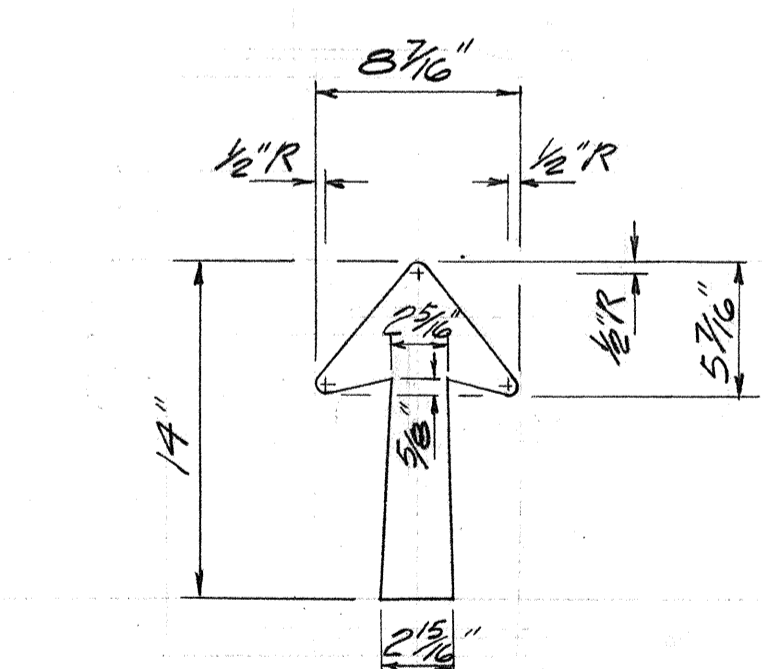
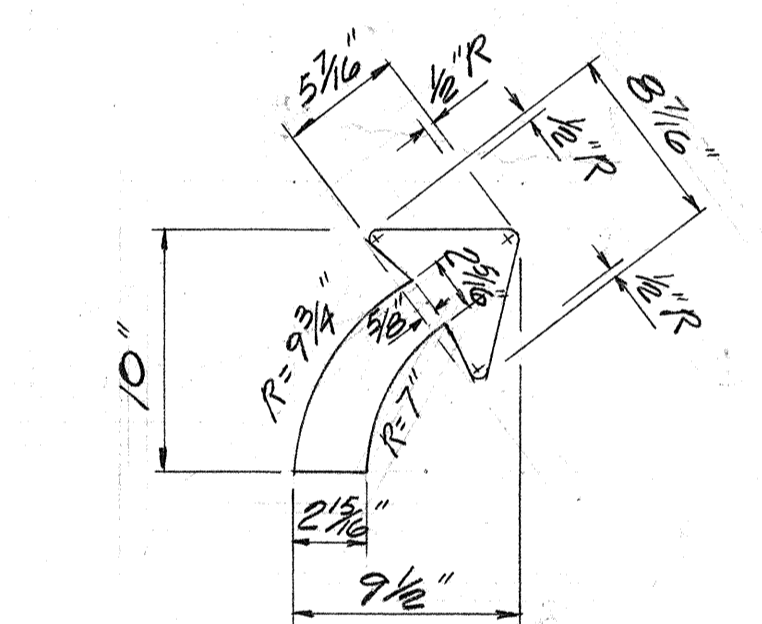
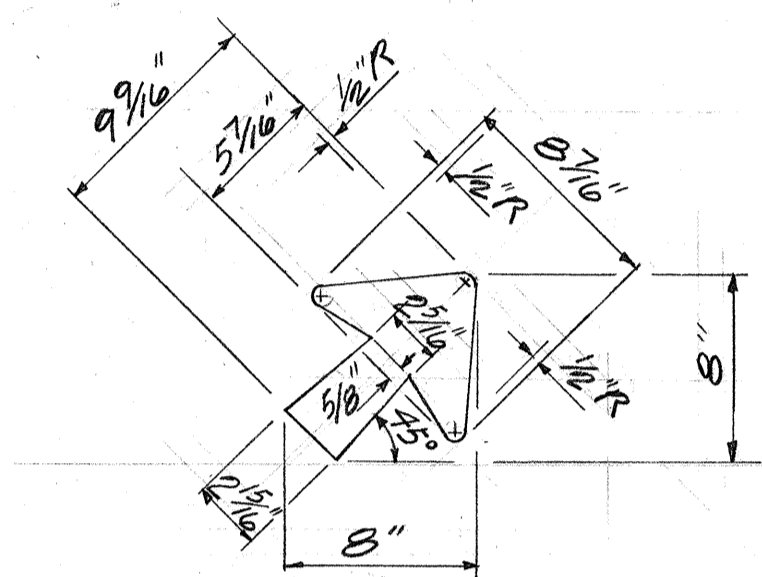
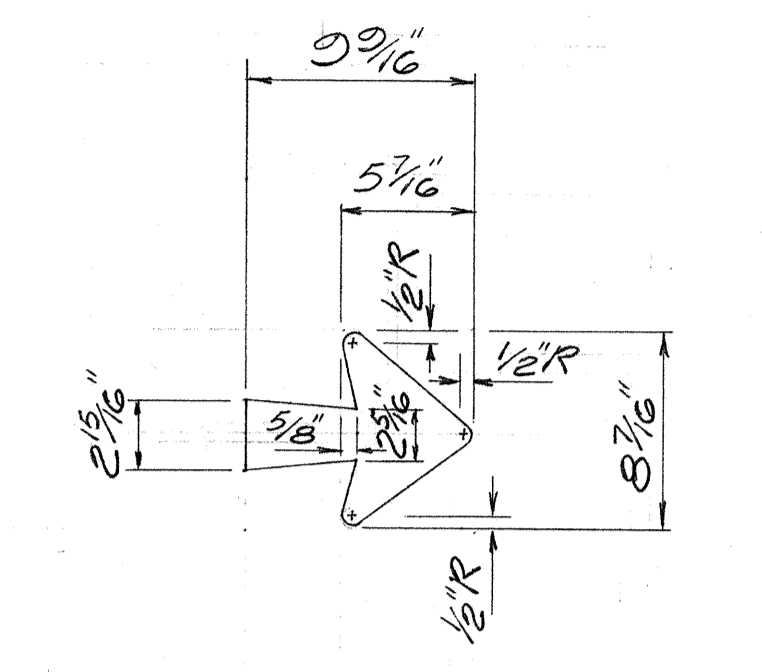
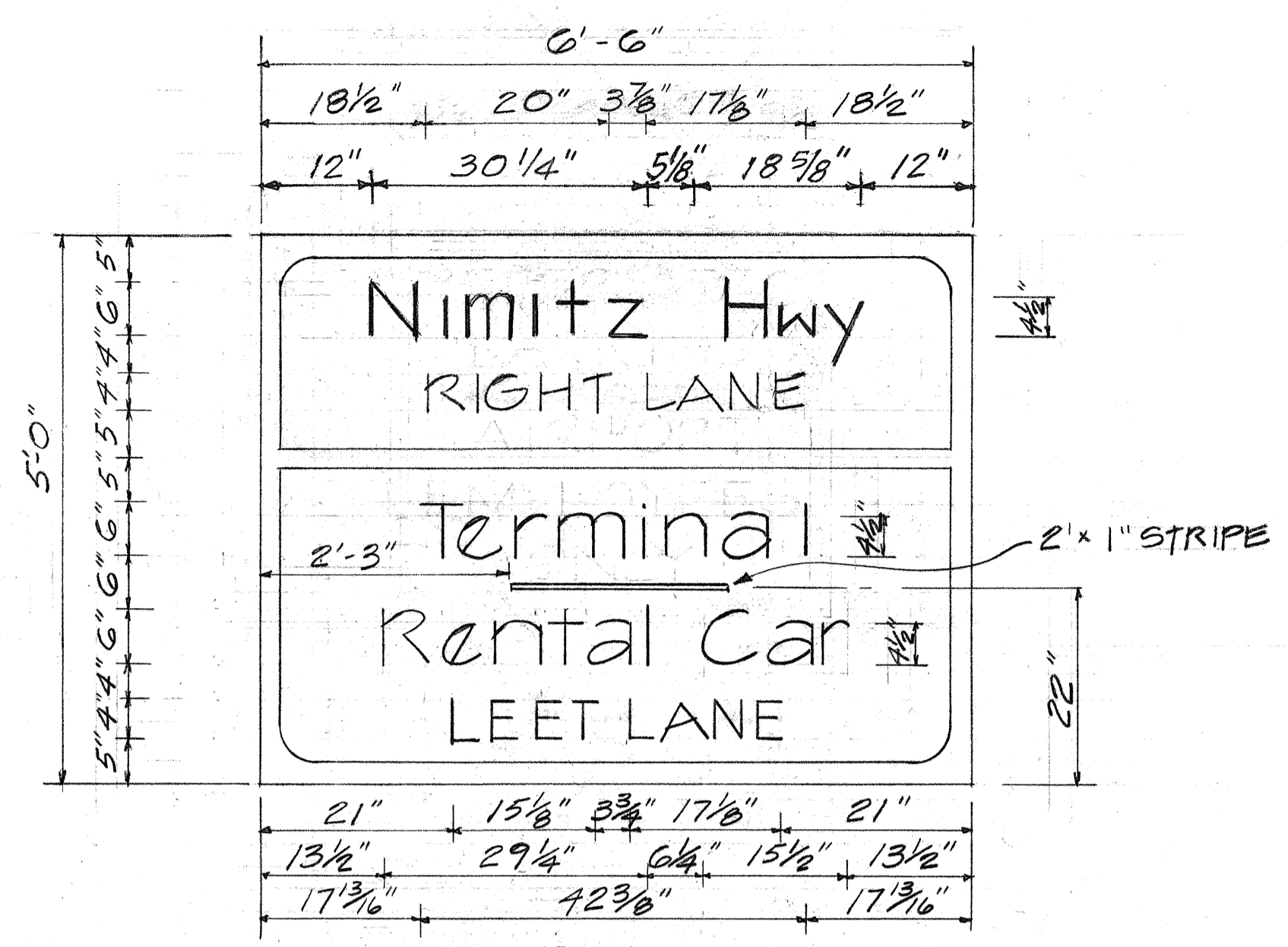
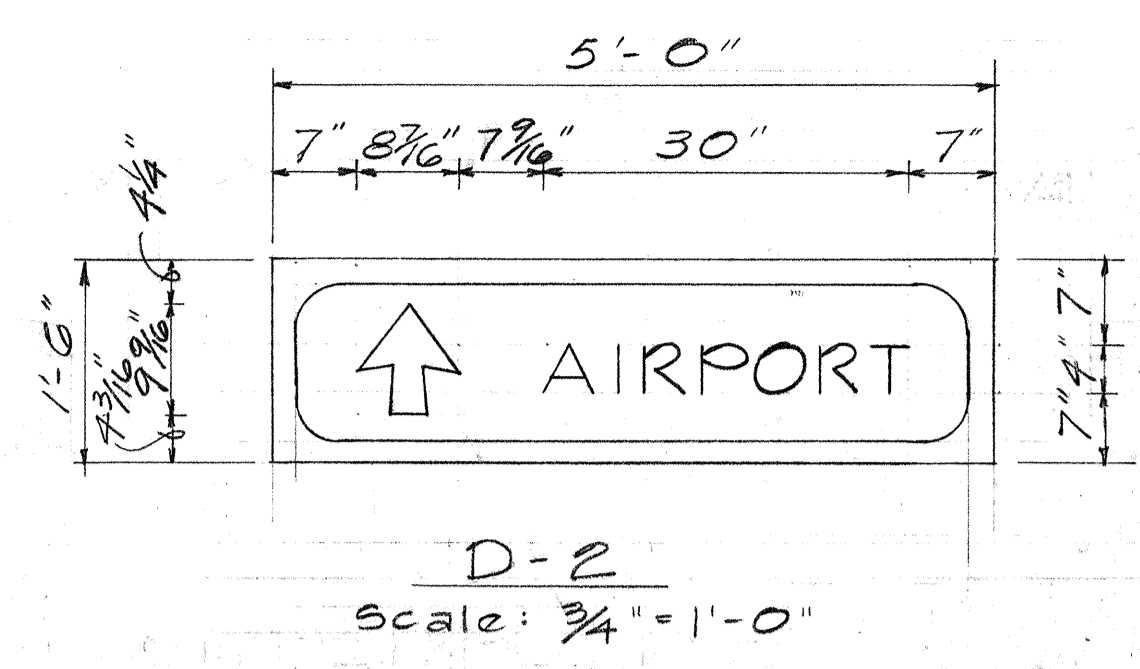
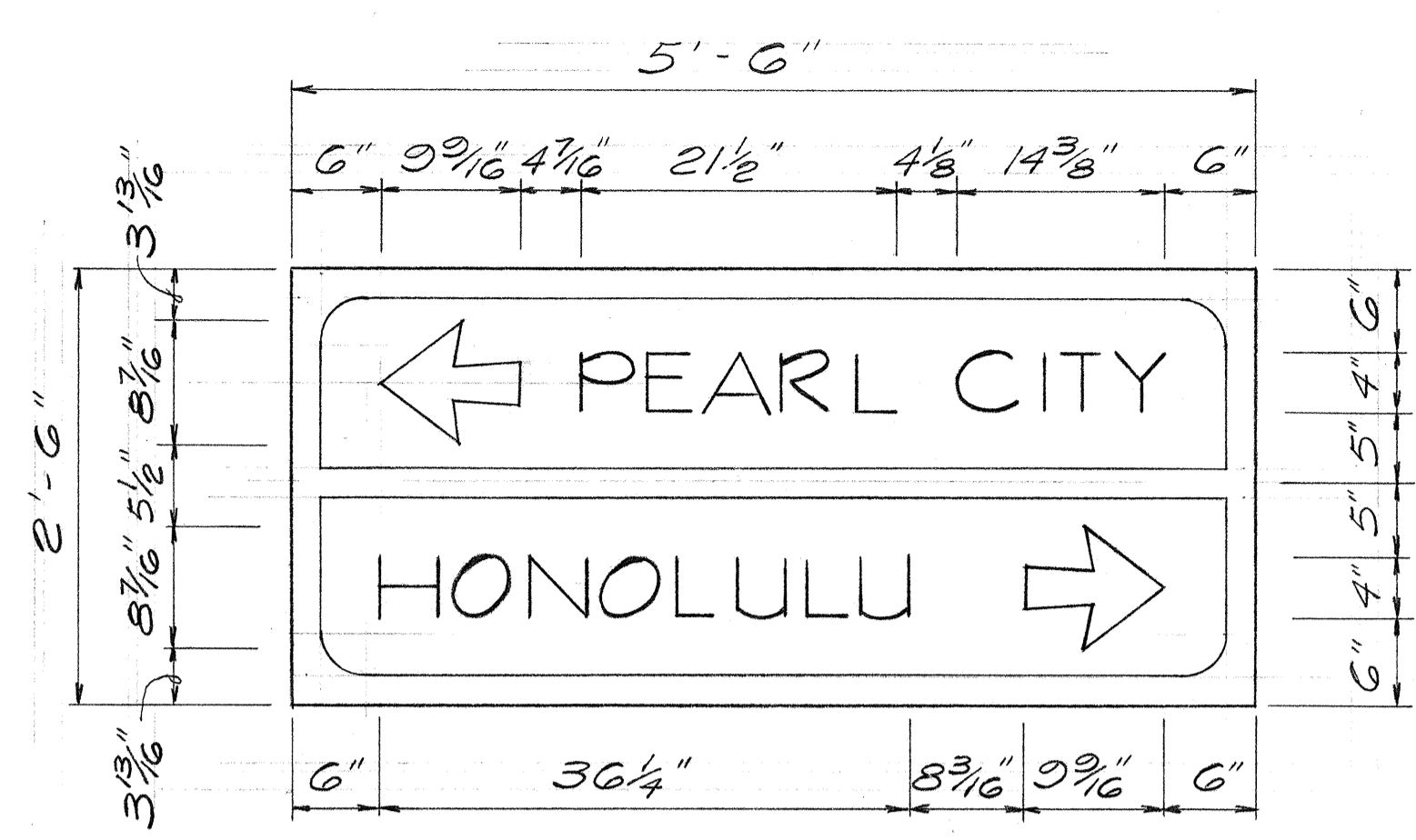
### SIGN PANELS

AIRPORT INTERCHANGE  
F.A.I. PROJ. NO. I-HI-1(146):10

SCALE: AS SHOWN DATE: JUNE 1, 1979

SHEET NO. 38 OF SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H-1(146)-16	1979	39	283



ARROW DETAILS  
Scale: 1/2" = 1'-0"

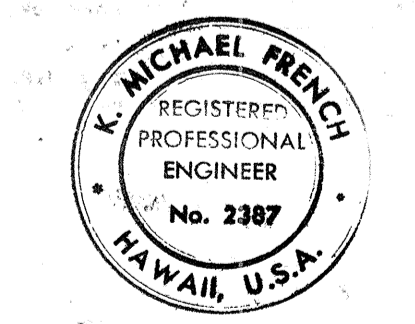
STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**SIGN PANELS**

AIRPORT INTERCHANGE  
FAI PROJ. NO. I-H-1(146)-16

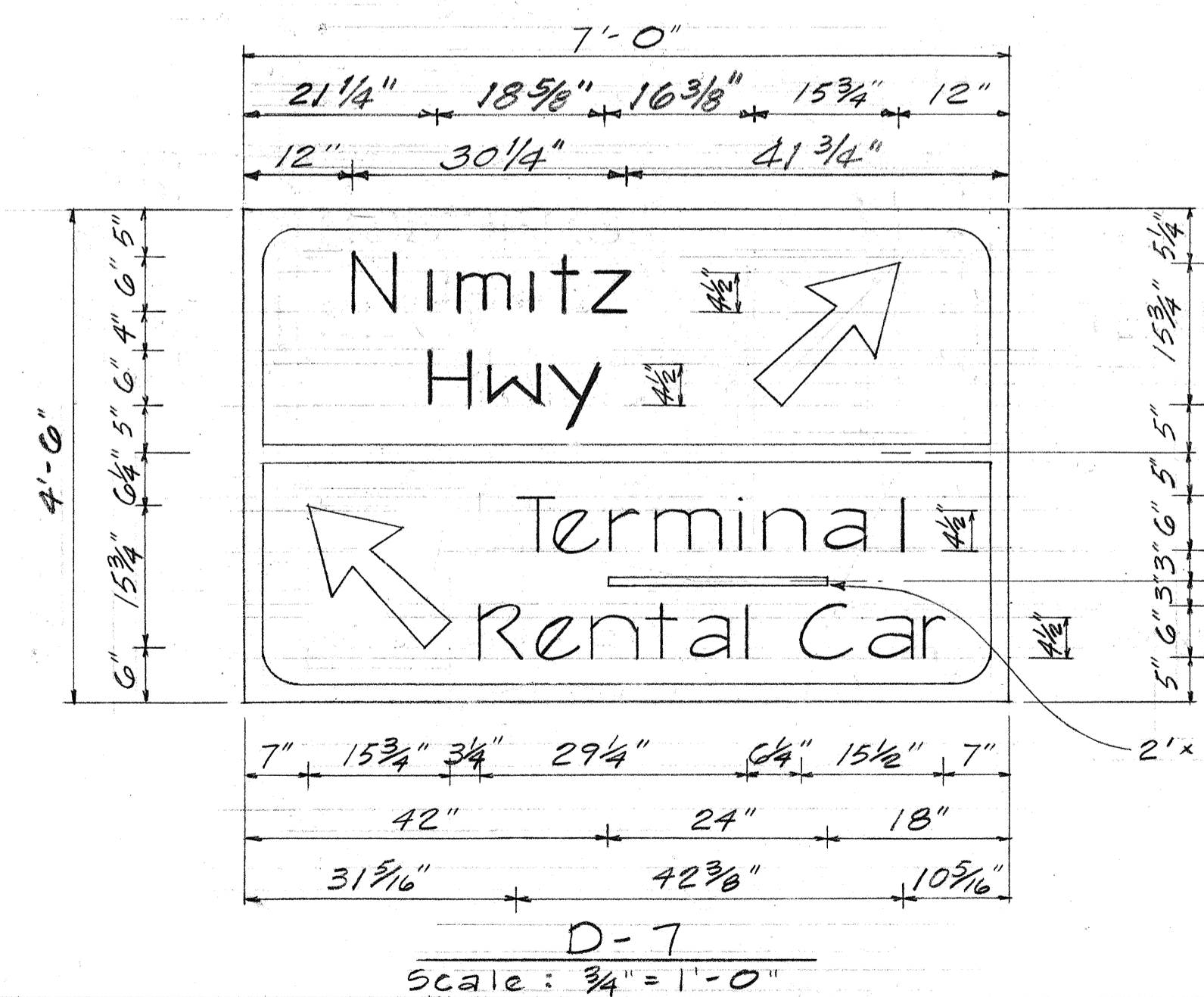
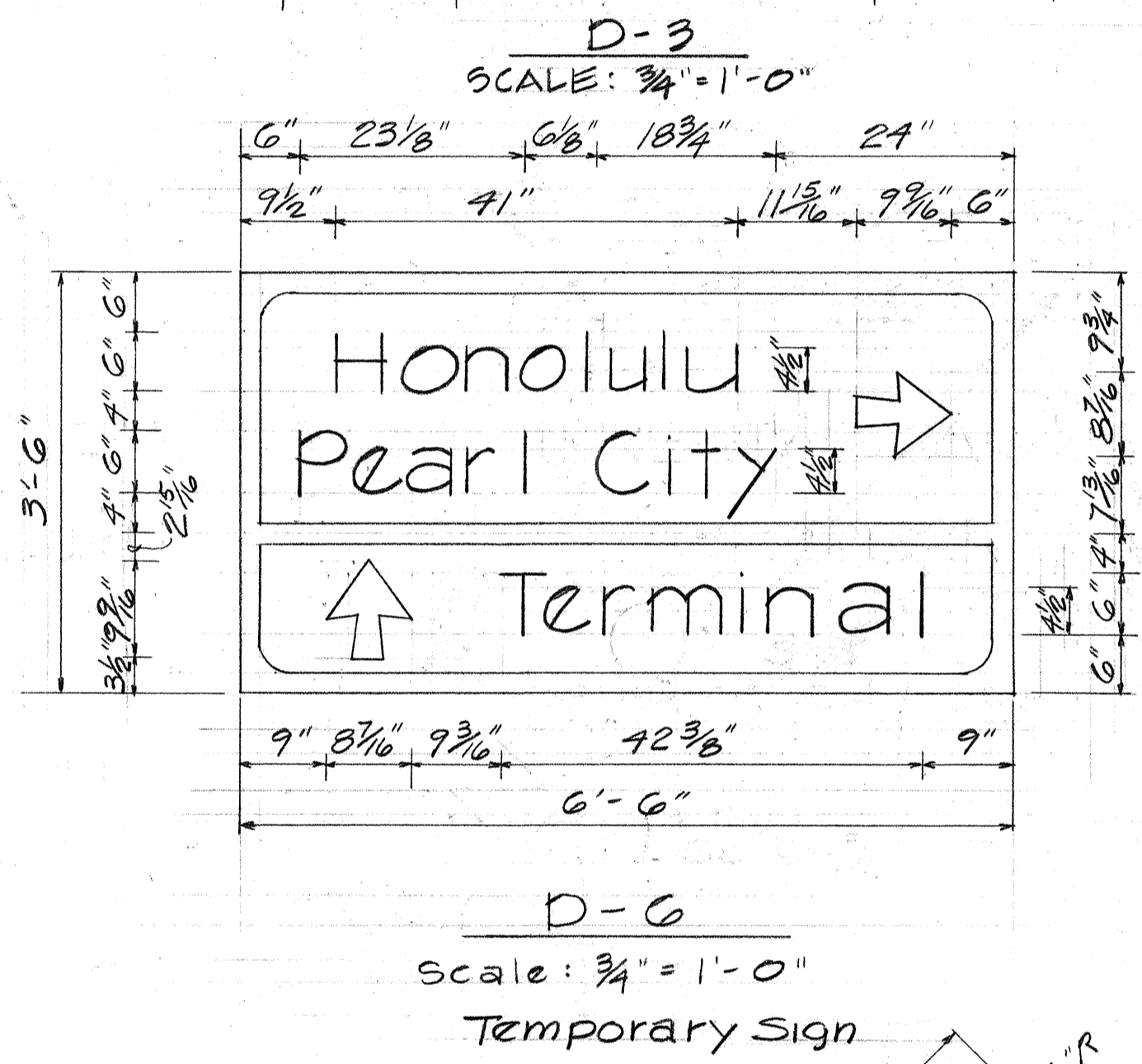
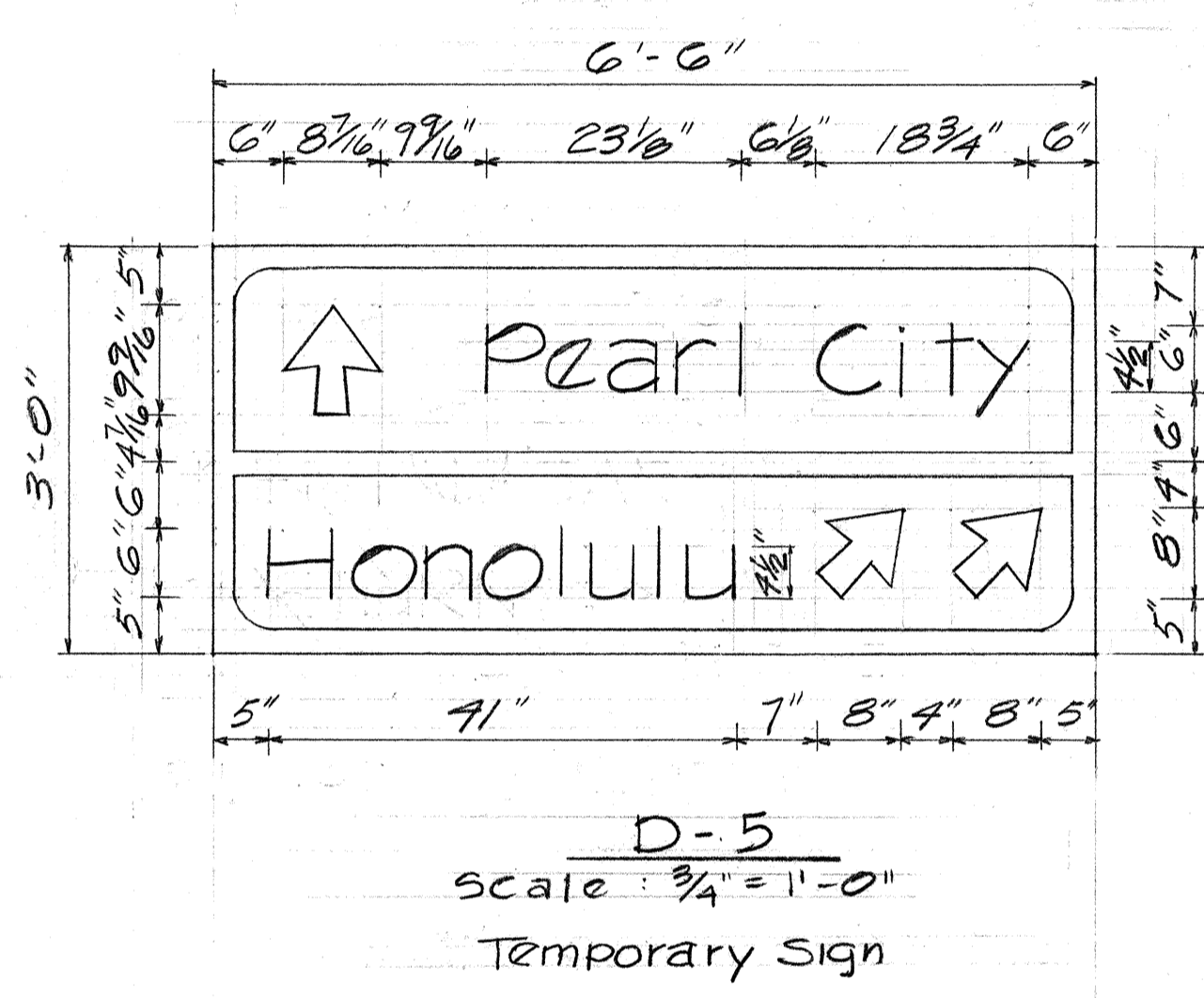
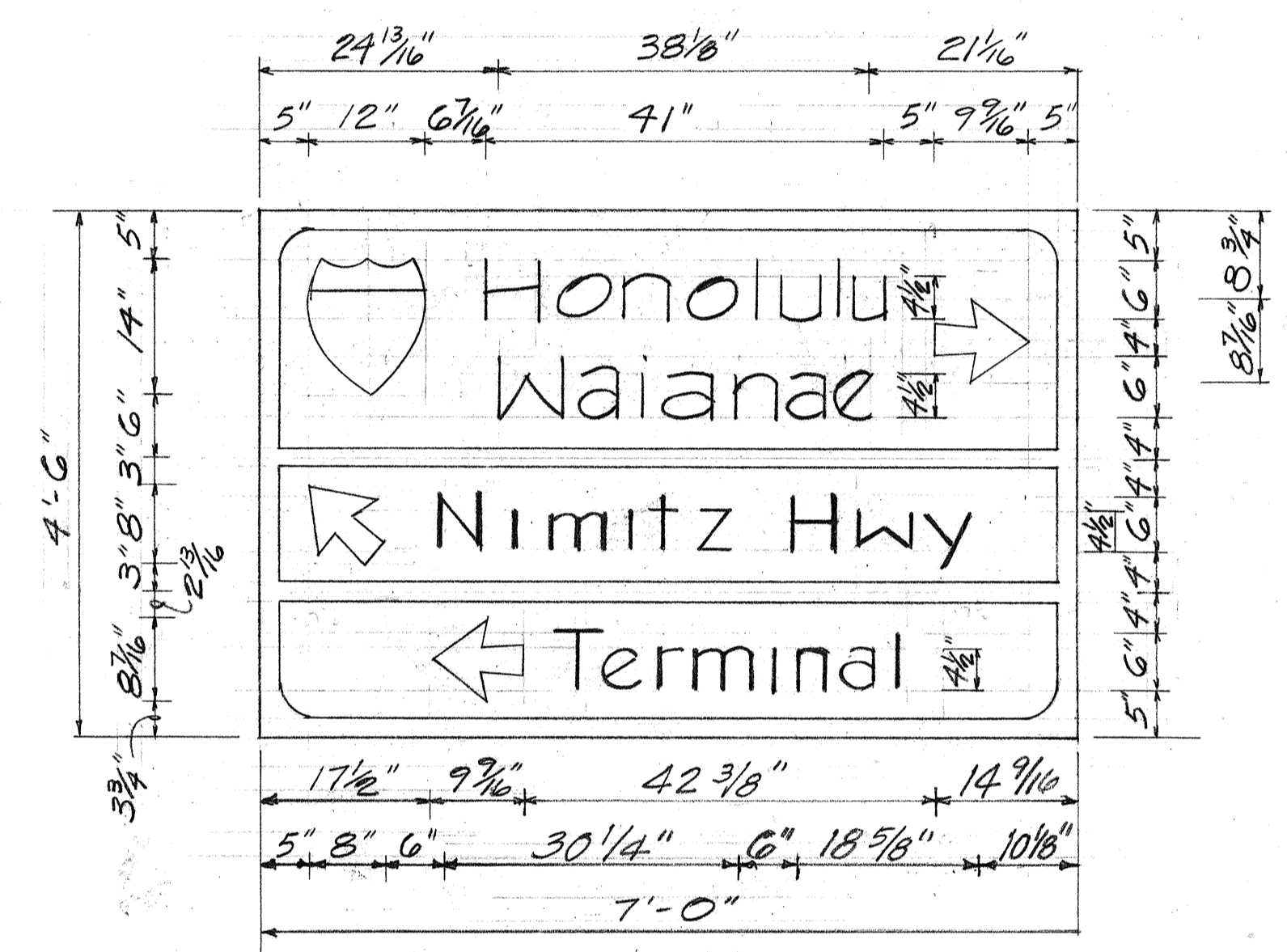
SCALE: AS SHOWN DATE: JUNE 1, 1979

SHEET NO. 39 OF 283 SHEETS



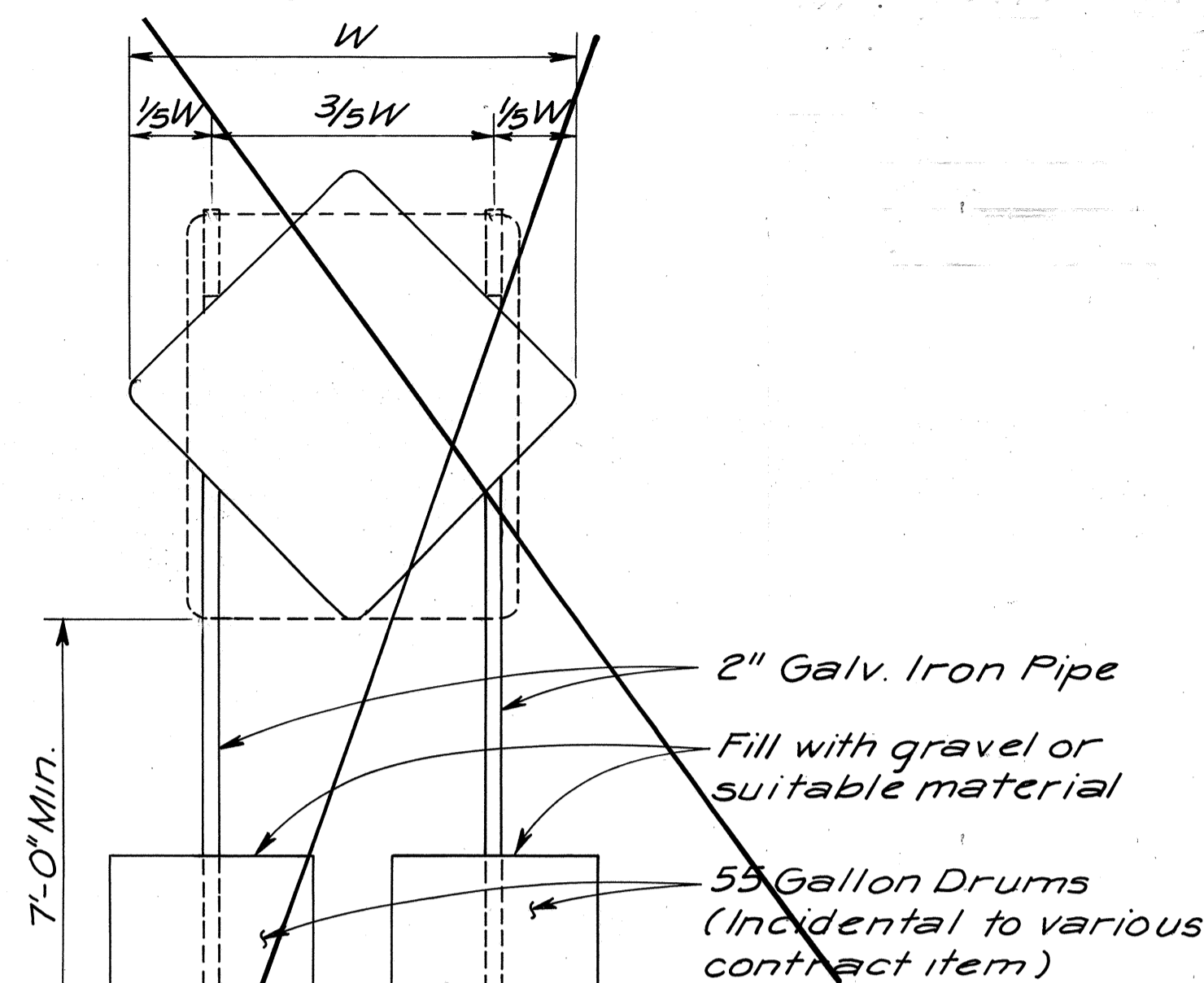
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.  
Signature

No.	DATE	REVISION
1	7-8-81	Revised Signs D-3, D-4, & D-7



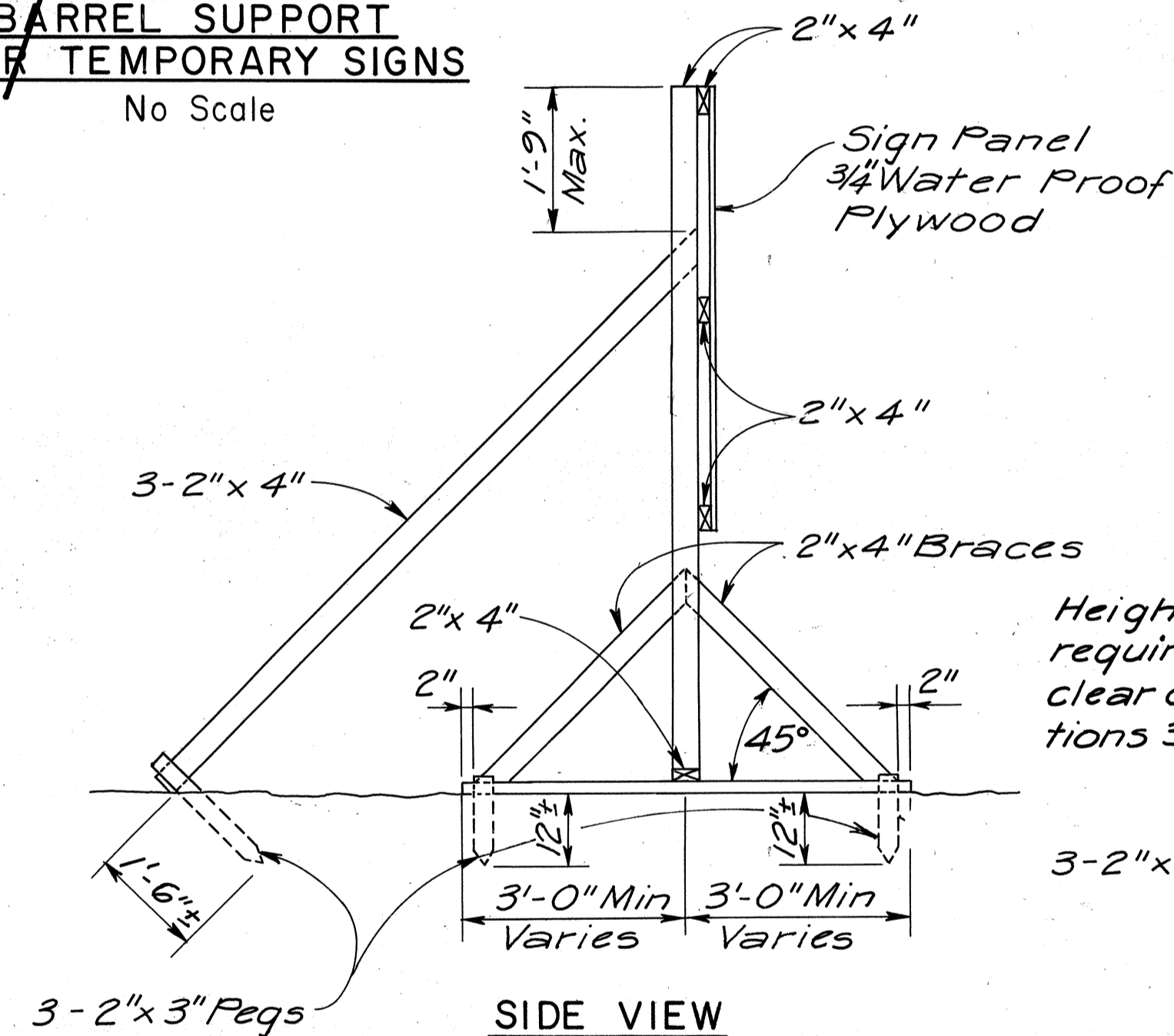
ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	
DESIGNED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	
No.	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(46):16	1979	40	283



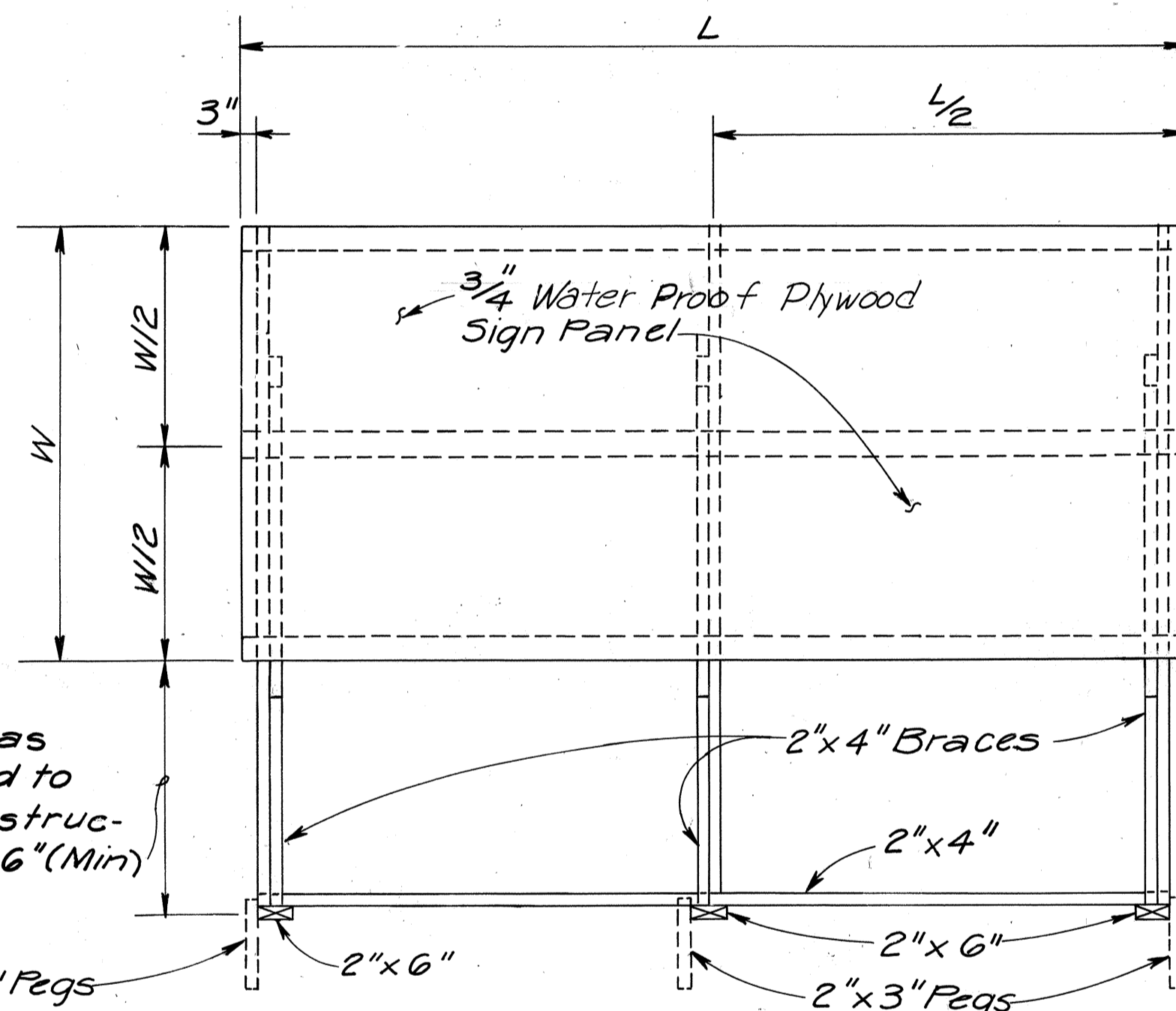
**BARREL SUPPORT FOR TEMPORARY SIGNS**  
No Scale

**NOTE:**  
Signs less than W=3 use one barrel

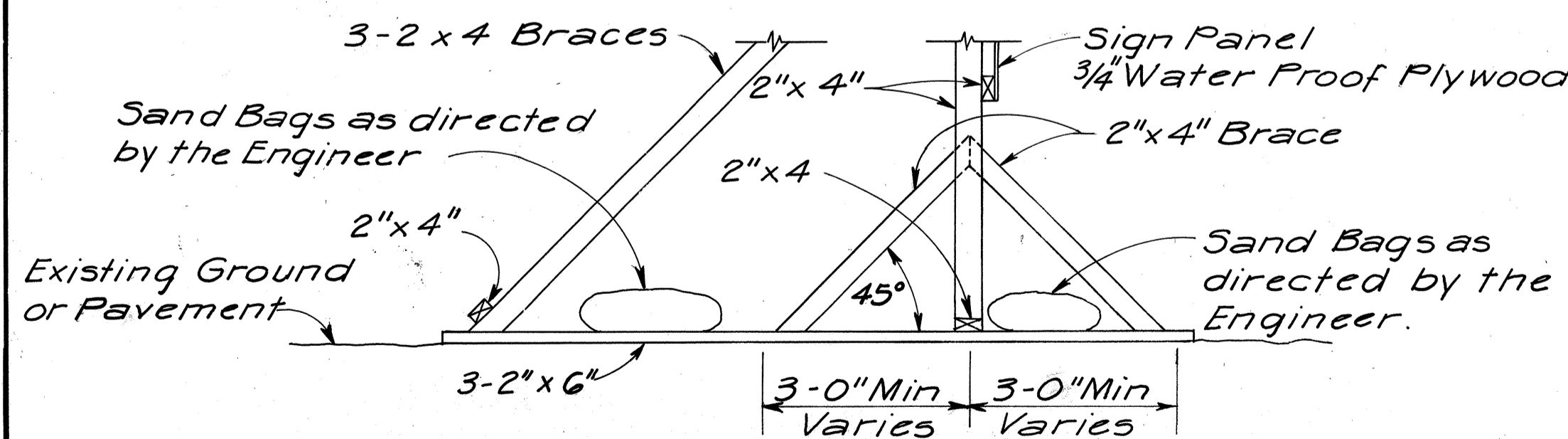


**SIDE VIEW**

**SIGN FRAME ANCHORED IN GROUND**  
Scale: 1/2" = 1'-0"



**FRONT VIEW**



**SIDE VIEW**  
**SIGN FRAME WEIGHTED DOWN**  
Scale: 1/2" = 1'-0"

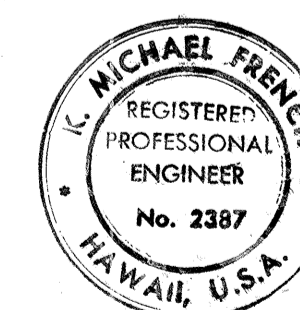
**NOTES:**

1. Temporary Detour Signs to be made of 3/4" Water Proof Plywood. Sign Legend shall be Reflectorized White on Green Background.
2. The Contractor shall construct, install and Maintain the Signs at the locations shown on plans and as ordered by the Engineer.
3. Letters shall be Series "E" of the sizes shown on the plan and shall conform with the "Standard Alphabet for Highways Signs", Bureau of Public Roads, 1966.
4. Cost for Sign Frame shall be incidental to Item No. 621.0300

Sht. No.	EXPRESSWAY AND DESTINATION SIGNS			
	Expressway 621.0100 Sq. Ft.	Destination 621.0200 Sq. Ft.	Temporary 621.0300 Sq. Ft.	Reset 632.3000 Each
32			65	
33	465			
34		22		2
35	719	128		
<b>Totals</b>	<b>1184</b>	<b>150</b>	<b>65</b>	<b>2</b>

Sheet No.	STRIPING, PAVEMENT MARKER, ARROWS AND CROSSWALK							
	Striping 629.1010 Lin. Ft.	Crosswalk 629.1020 Lane	Arrows 629.1030 Each	Pavement Markers				
				A 629.2010 Each	C 629.2030 Each	D 629.2040 Each	H 629.2070 Each	
32	4600		6		80	24	15	
33	6600			1012	51			
34	2800	7	6	116	48		47	
35	2710		4	148	88		21	
41	5011							
42	7500							
<b>Totals</b>	<b>29221</b>	<b>7</b>	<b>16</b>	<b>1276</b>	<b>267</b>	<b>24</b>	<b>89</b>	

Sheet No.	Type	Description	REGULATORY AND WARNING SIGN SUMMARY			
			Reg. & War./Post (10 Sq. Ft./Less) 621.5100 Each	Reg. & War. (Greater than 10 Sq. Ft.) 621.5200 Each	Reg. & War./Post Const. 621.5500 Each	Reset Reg. & War. 632.3200 Each
			32,34,35	R1-1	Stop	3
34,35	R1-2	Yield	2			
34	R4-7	Keep Right	2			
34	R5-1	Do not Enter	2			
34	R6-1(L)	One Way	1			
32,34	R7-107(L)	Bus Stop	1			1
32,34	R7-107(R)	Bus Stop	1			1
33,35	W13-3(25)	Speed Limit	1			
35	R16-5	Keep Out Freeway		1		
32	CW20-1d	Road Construction			4	
32	CW20-2d	Detour Ahead			4	
33	W4-2(R)A	IS		1		
33	W9-1(R)B	Right Lane Ends		1		
32	W1-4(R)				1	
35	W4-2(R)	IS	2			
33	W1-8	Chevron	12			
<b>Totals</b>			<b>27</b>	<b>4</b>	<b>9</b>	<b>3</b>



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.  
Signature

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**TRAFFIC DETOUR DETAILS AND QUANTITY SUMMARIES**

AIRPORT INTERCHANGE  
FAI. PROJ. I-HI-1 (146):16  
SCALE: AS SHOWN DATE: JUNE 1, 1979

SHEET No. OF SHEETS