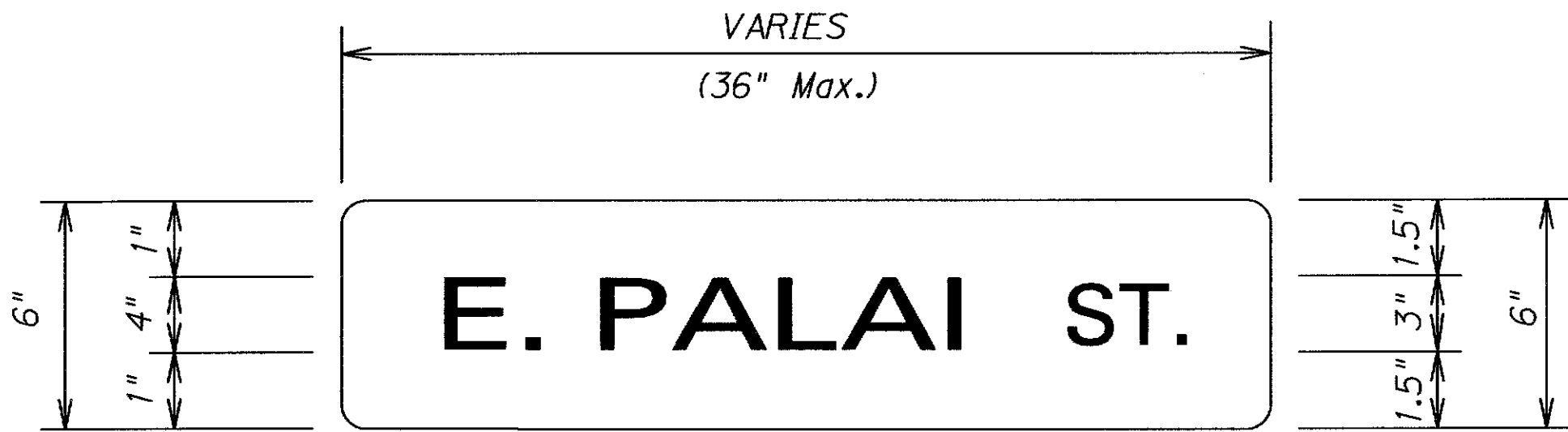


SIGN NOTES

1. Lettering
- a. Destination Signs: Capitals, 8" Modified Series "E"; Lowercase, 6" Modified Series "E" .
- b. Street Name and Supplemental Street Name Signs: Use Modified Series "E", unless otherwise specified by the Engineer.
2. All signs shall conform to Section 621 of the Special Provisions and the latest editions and amendments of the following FHWA publications:
- a. "Manual on Uniform Traffic Control Devices for Streets and Highways" (MUTCD)
- b. "Standard Highway Signs"
- c. "Standard Alphabets for Highway Signs"
3. Borders, messages, arrows, symbols and shield shall conform to details as shown on the plans and as specified in the MUTCD.
4. Sign messages shall be as indicated on the plan, or as directed by the Engineer.
5. All panels shall be reflectorized in accordance with Section 712.20 of the Standard Specifications. Minimum width of panels shall be 2 ft. abutting edges of panels shall be in only one direction if vertical abutting edges are used, no horizontal abutting edges shall be allowed and vice versa.
6. Contractor shall submit all sign splicing details to the Engineer for acceptance. All backing for signs 4 feet by 6 feet or less shall be of one sheet.
7. Backing for all new Regulatory and Warning Signs shall not be spliced.
8. Final locations of all signs shall be approved by the Engineer prior to any installation work.
9. Existing signs that are to be replaced shall not be removed until new signs are installed as replacements, or the messages are no longer necessary.
10. Existing signs not shown on these plans shall remain as posted unless otherwise directed by the Engineer. Removal and disposal of existing signs and/or posts as designated on these plans or as directed by the Engineer shall be considered incidental to the various signing items.
11. Removal of Existing Delineators and Posts shall be considered incidental to the various signing items.
12. All Destination, Street Name, Supplemental Street Name, and Non-Standard signs that are to be replaced shall be identical to the existing sign in size and text, unless otherwise specified.
13. All signs shall be installed on square tube posts, unless otherwise noted.
14. Sign posts shall be painted with yellow reflective paint, except where located behind guardrails. Such paint work shall be considered incidental to sign items.
15. Contractor shall mark the back of all signs using labels and equipment provided by the State. Payment to be incidental to various contract items.
16. The Contractor shall submit Shop Drawings to the Engineer for acceptance prior to fabricating Destination, Street Name, Supplemental Street Name, and Non-Standard signs.
17. Fabrication and installation of Supplemental Street Name signs shall be considered incidental to installation of W1-2 and W2-2 signs.
18. Street Name signs shall be paid for under Item No. 621.5000 - Regulatory and Warning Sign (10 Square Feet or Less) Without Posts.
19. Street Name Signs shall have the same message on both sides.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-011-2(33)	1996	93	102

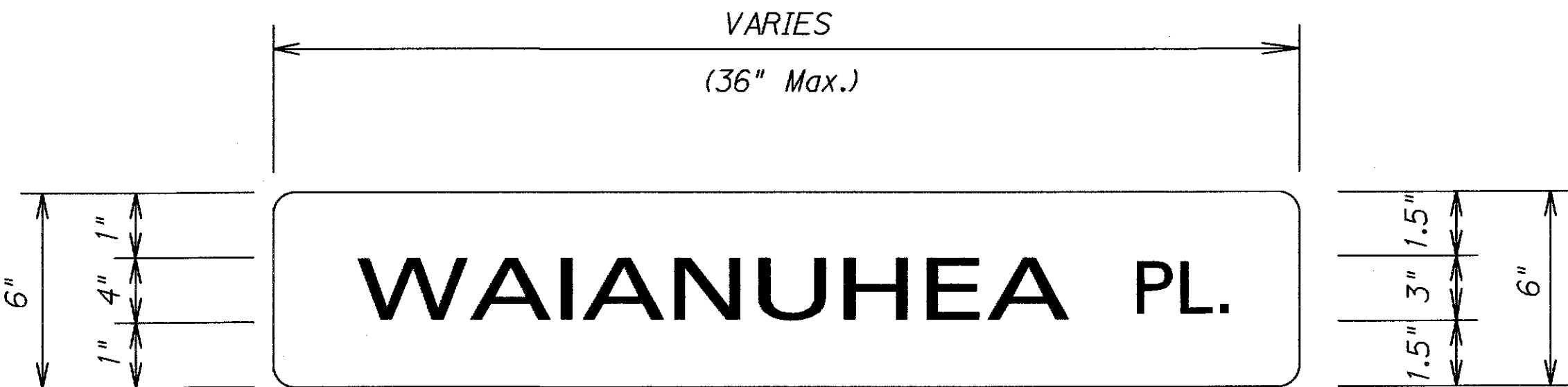


D-3 STREET NAME SIGNS (29 total)

LETTERING: WHITE (NON-REFLECTORIZED)
BACKGROUND: GREEN (REFLECTORIZED)

Dimensions Typical for:

E. KIPIMANA ST.	WAIANUHEA PL.	POHAKU ST.
KIPIMANA ST.	E. PALAI ST. (2 each)	HALEKAUULA ST.
MACADAMIA RD. (3 each)	E. KAWAILANI ST. (2 each)	LANIKAULA ST.
IKAIKA ST. (2 each)	AHONA PL.	LEILANI ST.
MAMAKI ST. (2 each)	E. KAHAOPEA ST. (2 each)	HUALANI ST.
LAMA ST. (2 each)	MAKAALA ST.	KANOELEHUA AVE (4 each)
MAKALIKA ST.		



S-1 : SUPPLEMENTAL STREET NAME SIGNS (32 total)

Black
LETTERING: ~~WHITE~~ (NON-REFLECTORIZED)
BACKGROUND: ~~GREEN~~ (REFLECTORIZED)
Yellow

Dimensions Typical for:

KIPIMANA ST. (2 each)	MAKALIKA ST. (2 each)	KAWAILANI ST. (2 each)
MACADAMIA RD. (2 each)	KILAUEA AVE. (2 each)	KAHAOPEA ST. (4 each)
IKAIKA ST. (2 each)	WAIANUHEA PL. (4 each)	MAKAALA ST. (2 each)
MAMAKI ST. (3 each)	PALAI ST. (2 each)	
LAMA ST. (3 each)	E. PALAI ST. (2 each)	

LEGEND FOR
AS-BUILT POSTINGS

~~~~~	Squiggly line for as-built deletion
==	Double line for as-built deletion
Roadway	Text for as-built posting

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

SIGN DETAILS AND NOTES

KANOELEHUA AVENUE RESURFACING  
F.A. PROJECT NO. NH-011-2(33)

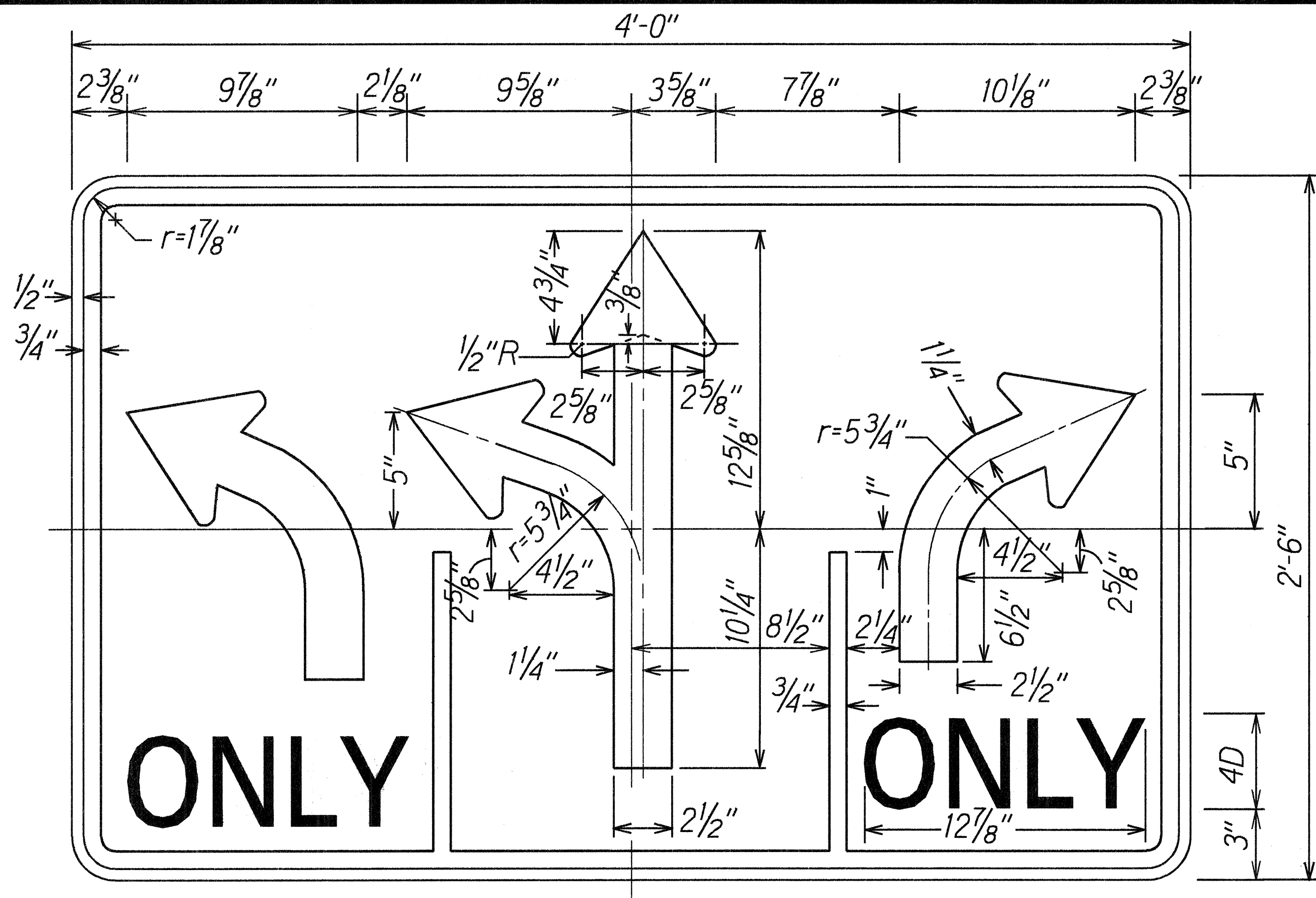
Scale: Not To Scale Date: April, 1996

SHEET No. 1 OF 1 SHEETS

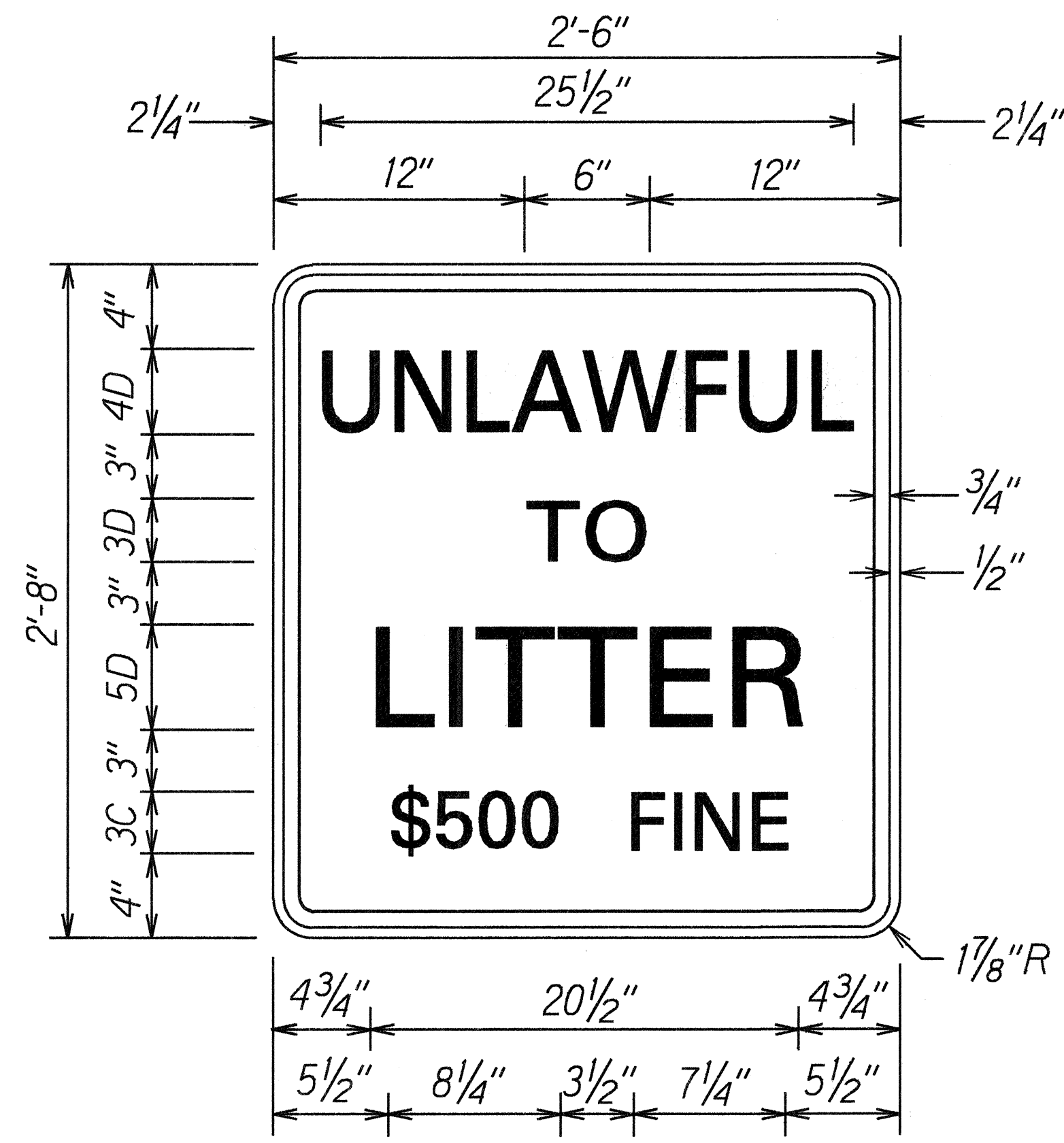
"AS-BUILT"



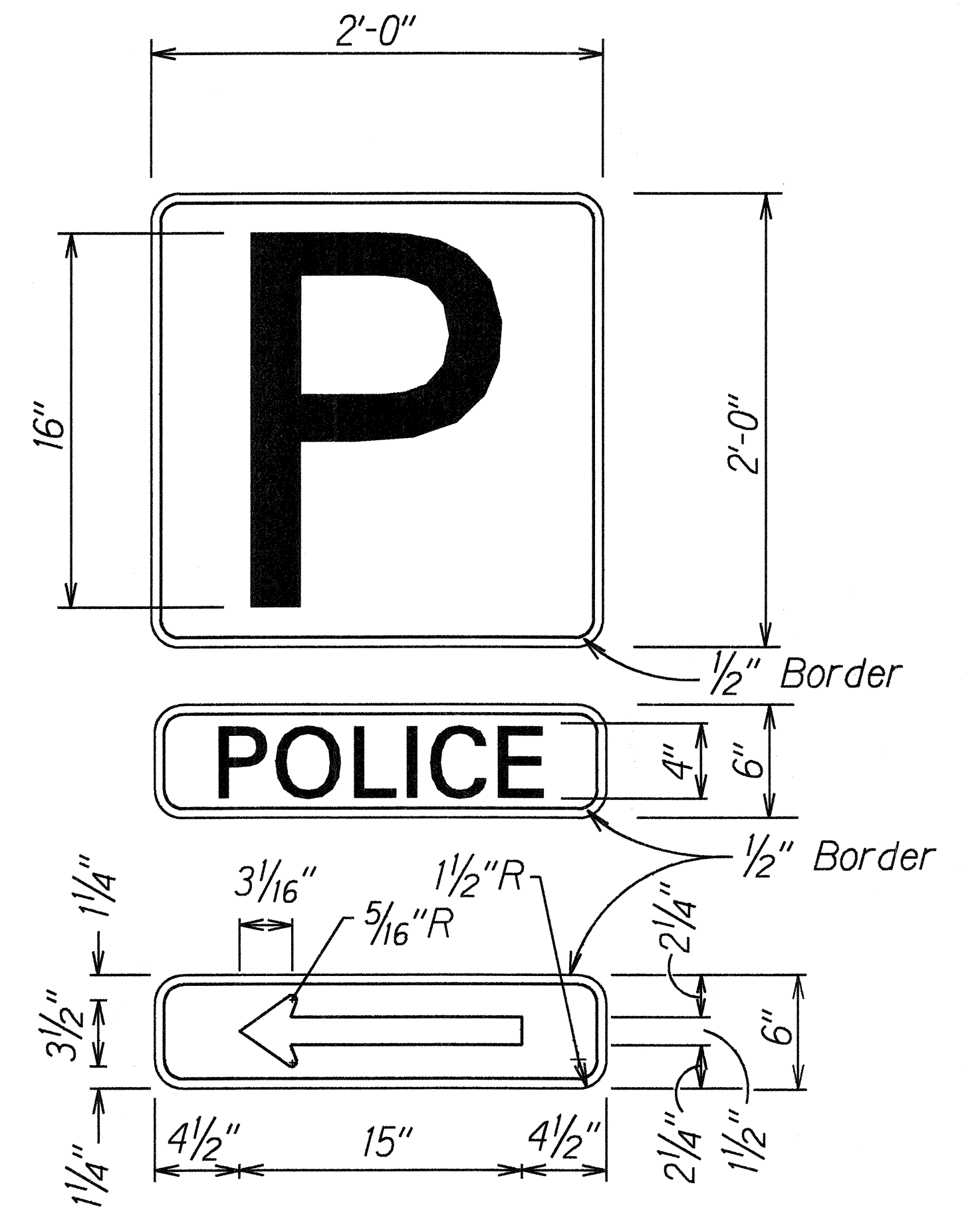
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-011-2(33)	1996	94	102



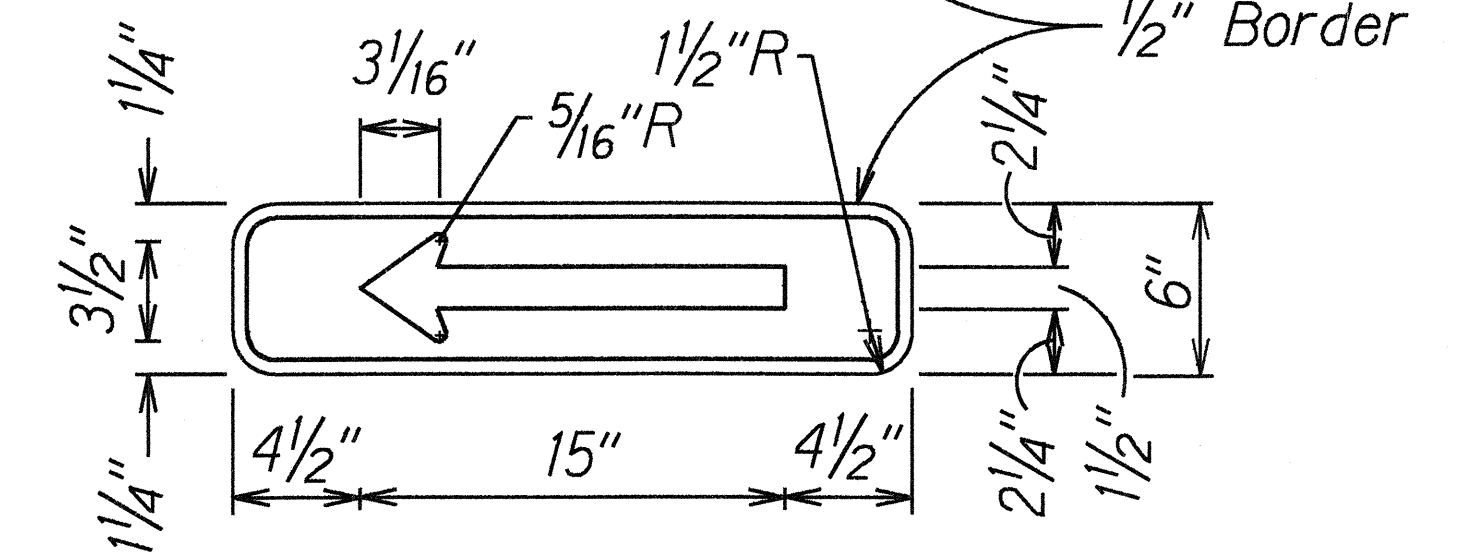
R3-45  
Scale: None



R15-1  
Scale: None

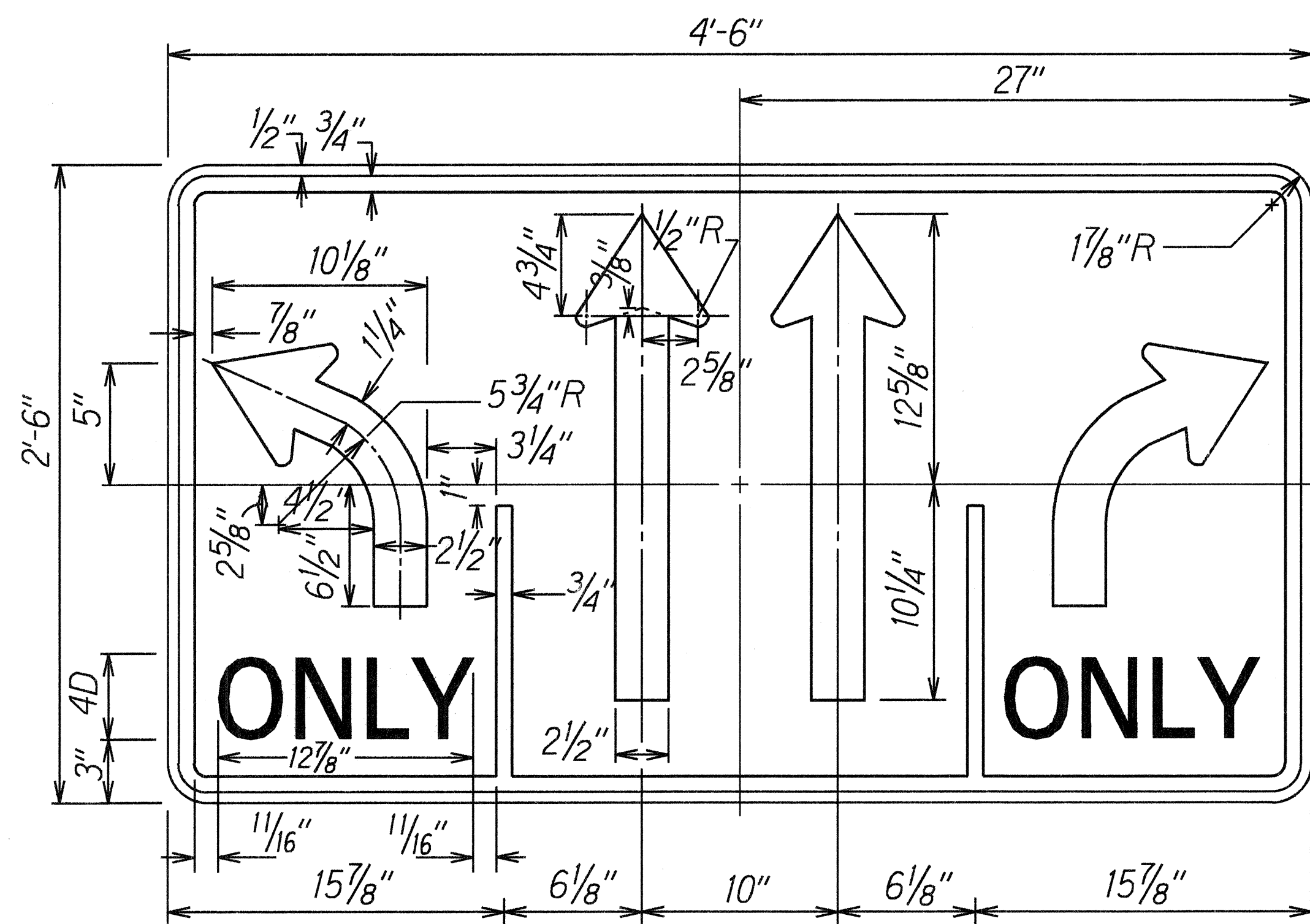


POLICE

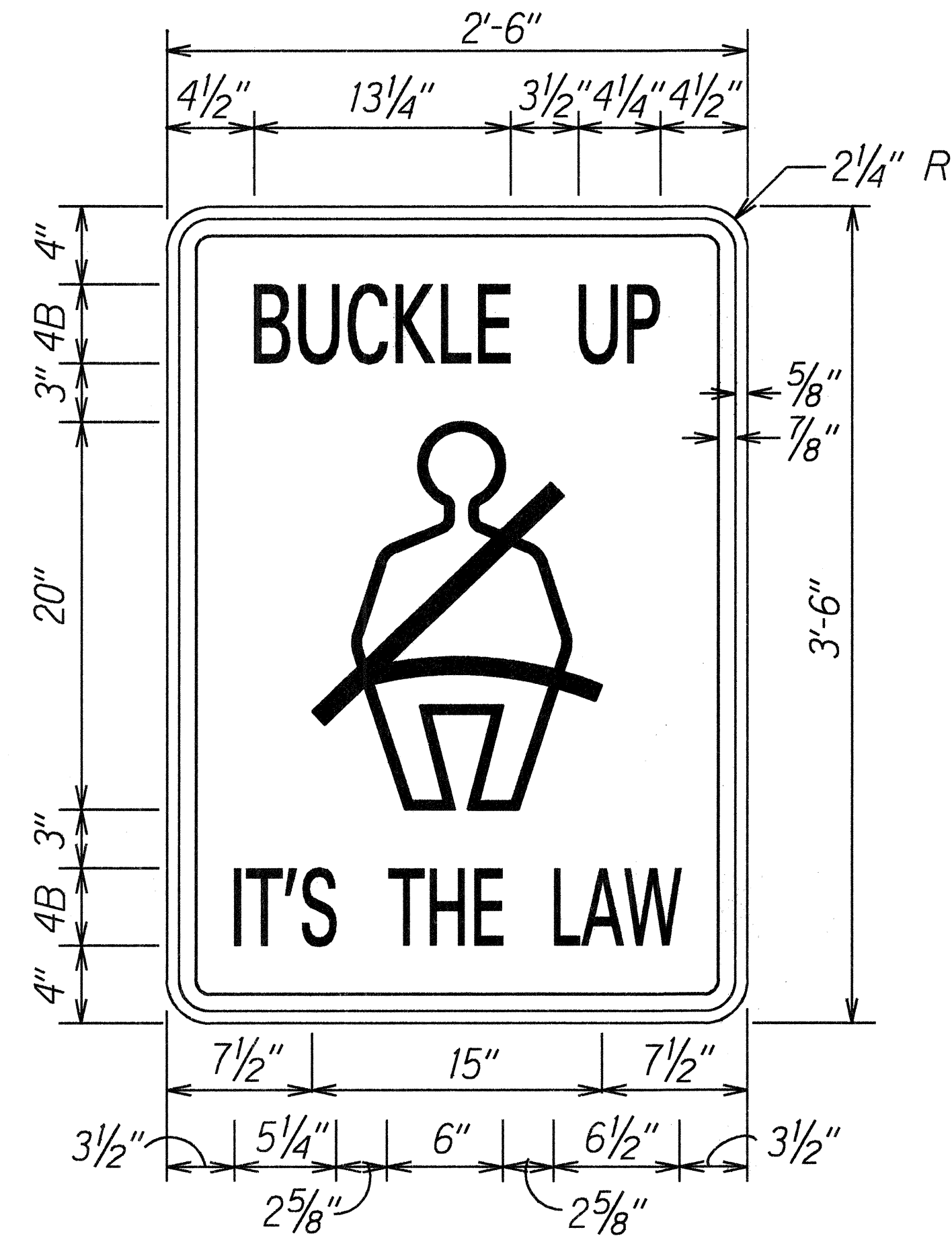


D9-14A  
Scale: None

NOTE:  
Sign D9-14A shall have a white Reflectorized Legend, Border, & Arrow on a Blue Reflectorized Background.



R3-38  
Scale: None



R16-1  
Scale: None

ORIGINAL PLAN	DATE	4/96
SURVEY BY		
DRAWN BY		
DESIGNED BY		
CHECKED BY		
IN CHARGE		
NO. 4476552		

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
<b>SIGN DETAILS CONT.</b>	
KAOELEHUA AVENUE RESURFACING F.A. PROJECT NO. NH-011-2(33)	
Scale: Not To Scale	Date: April, 1996
SHEET No. 2 OF 4 SHEETS	



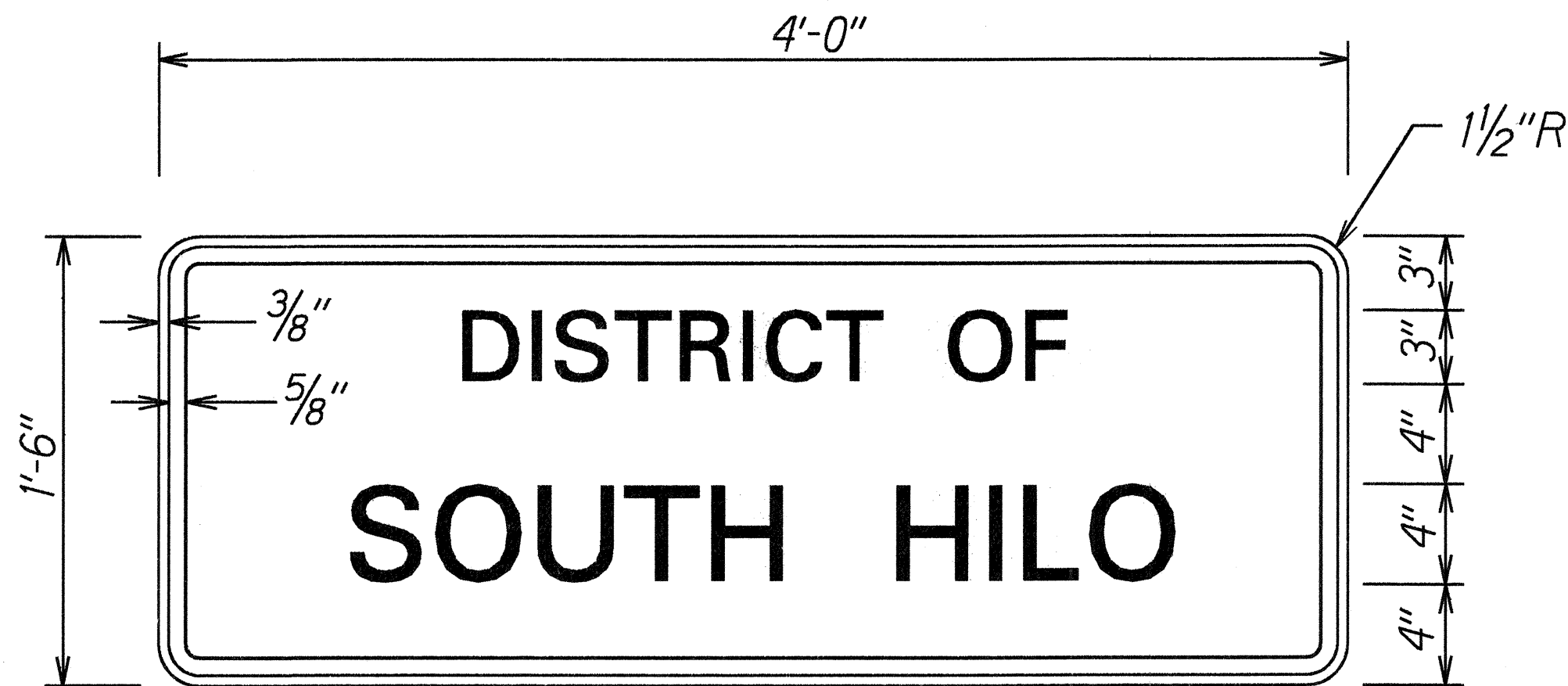
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-011-2(33)	1996	95	102



*D-4*  
Scale: None

**NOTE:**

1. Sign D-4 shall have a White Reflectorized Legend and Border on a Green Reflectorized Background.



*D-2*  
Scale: None

**NOTE:**

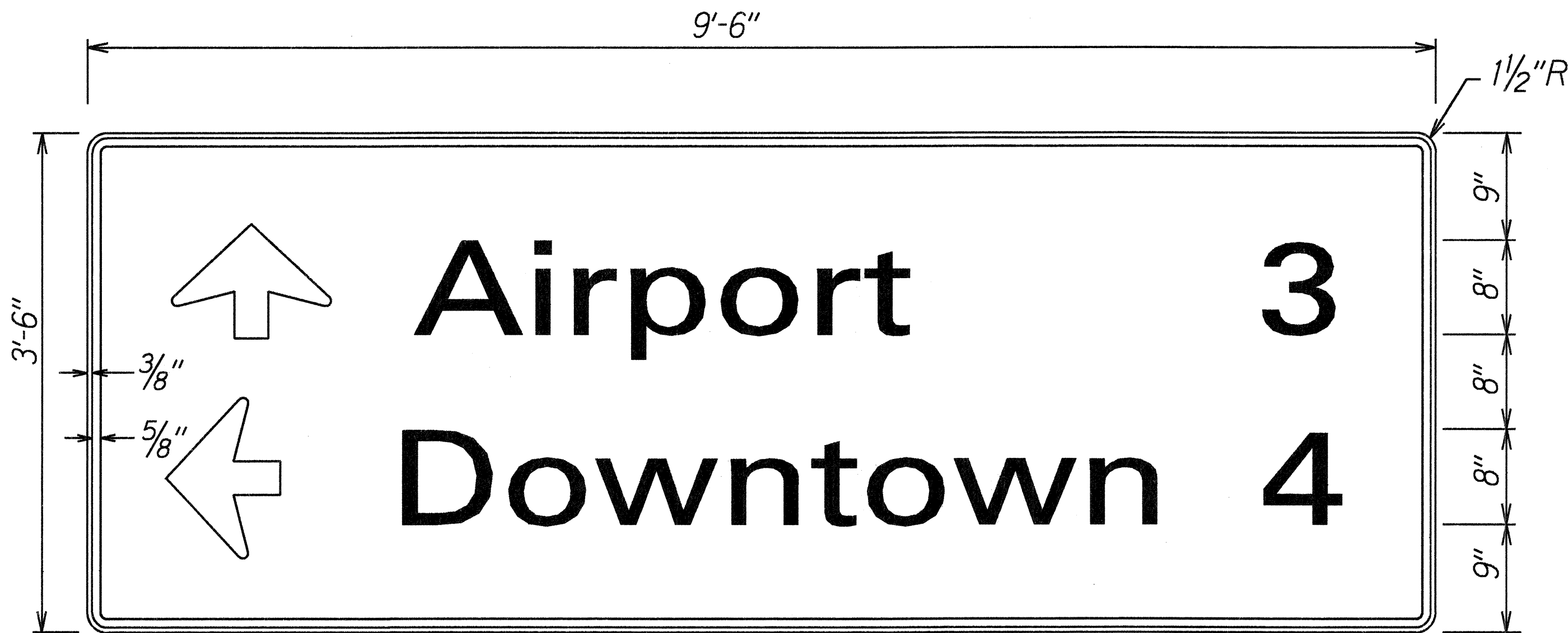
1. Sign D-2 shall have a white Reflectorized Legend and Border on a Green Reflectorized Background.
2. Sign D-2 shall use Modified Series "E" Letters. (Stroke width modified to one-fifth of the Letter Height.)



*D-1*  
Scale: None

**NOTE:**

1. Sign D-1 shall have a White Reflectorized Legend and Border on a Green Reflectorized Background.



*D-5*  
Scale: None

**NOTE:**

1. Sign D-5 shall have a White Reflectorized Legend and Border on a Green Reflectorized Background.

ORIGINAL PLAN	DATE
SURVEY LOCATED BY	4/96
DRAWN BY	
DESIGNED BY	
CHECKED BY	
IN CHARGE	
NO. 4/1996	

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**SIGN DETAILS CONT.**  
  
KANOELEHUA AVENUE RESURFACING  
F.A. PROJECT NO. NH-011-2(33)

Scale: Not To Scale
Date: April, 1996

SHEET No. 3 OF 4 SHEETS



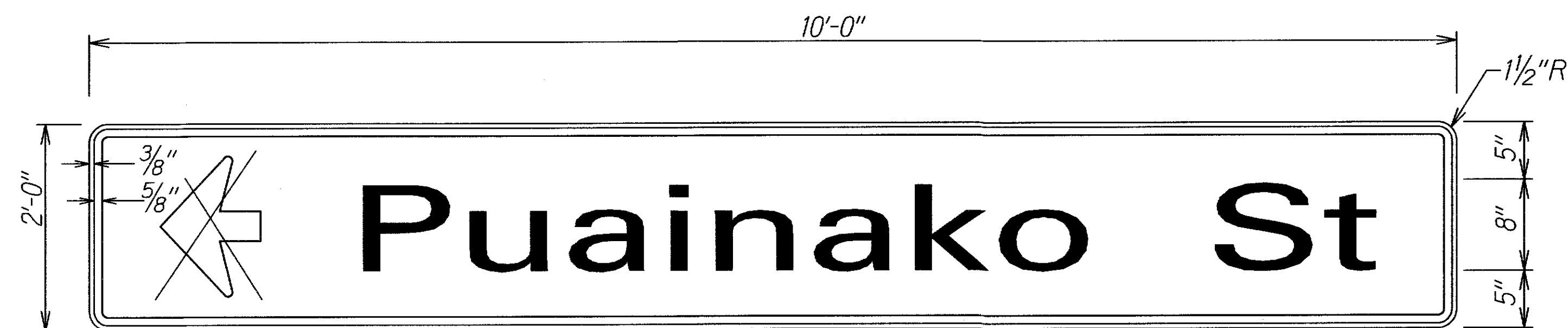
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-011-2(33)	1996	96	102



D-8  
Scale: None

**NOTE:**

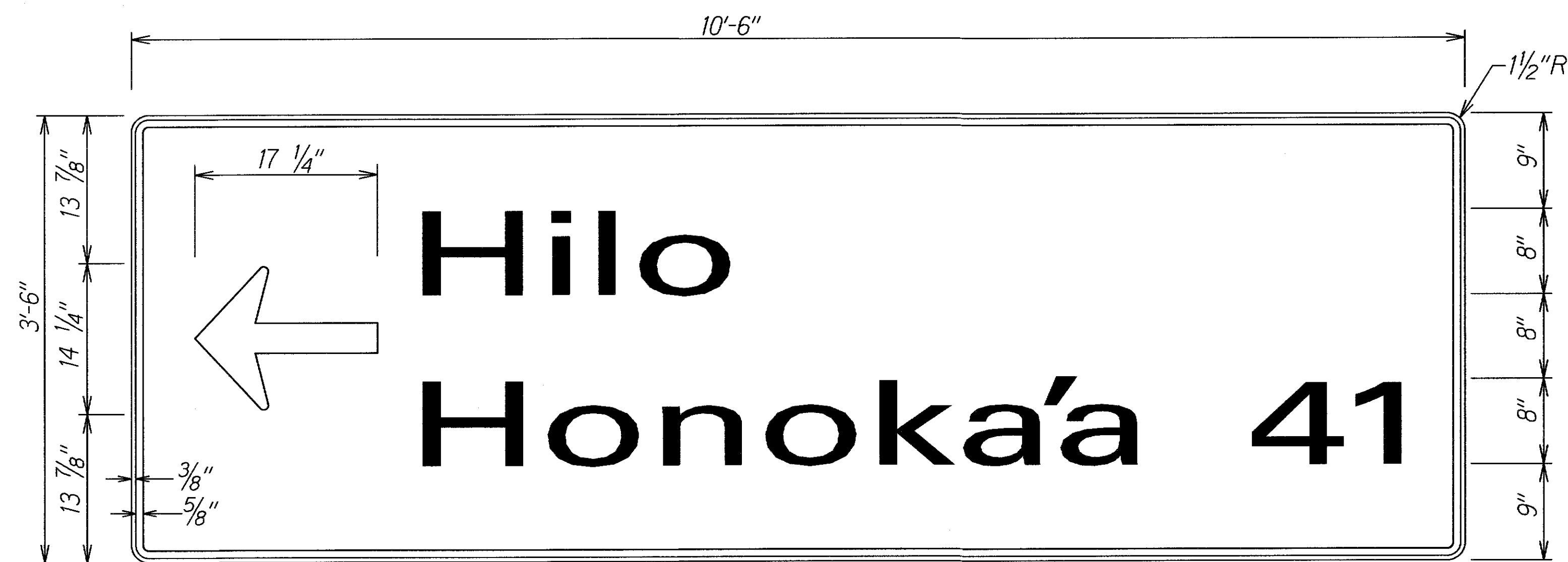
1. Sign D-8 shall have a White Reflectorized Legend and Border on a Green Reflectorized Background.



D-11  
Scale: None

**NOTE:**

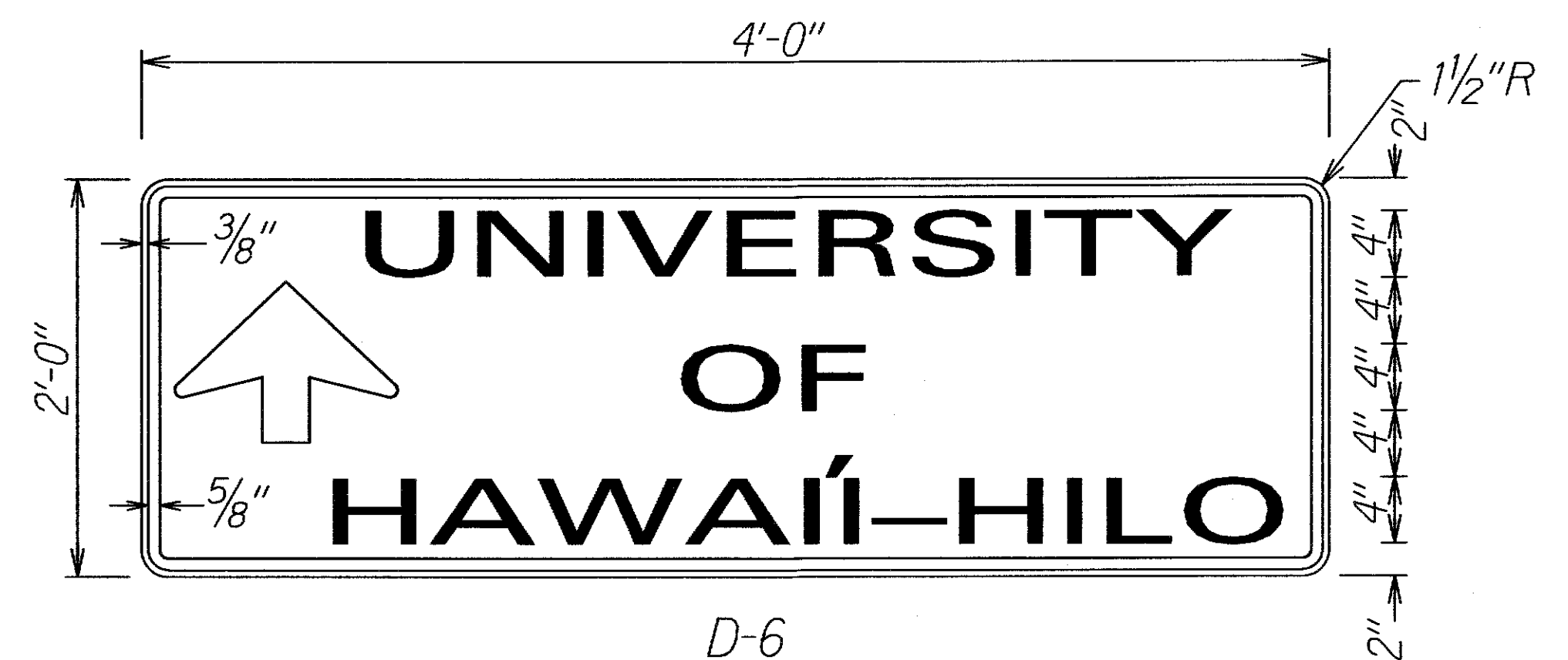
1. Sign D-11 shall have a White Reflectorized Legend and Border on a Green Reflectorized Background.



D-10  
Scale: None

**NOTE:**

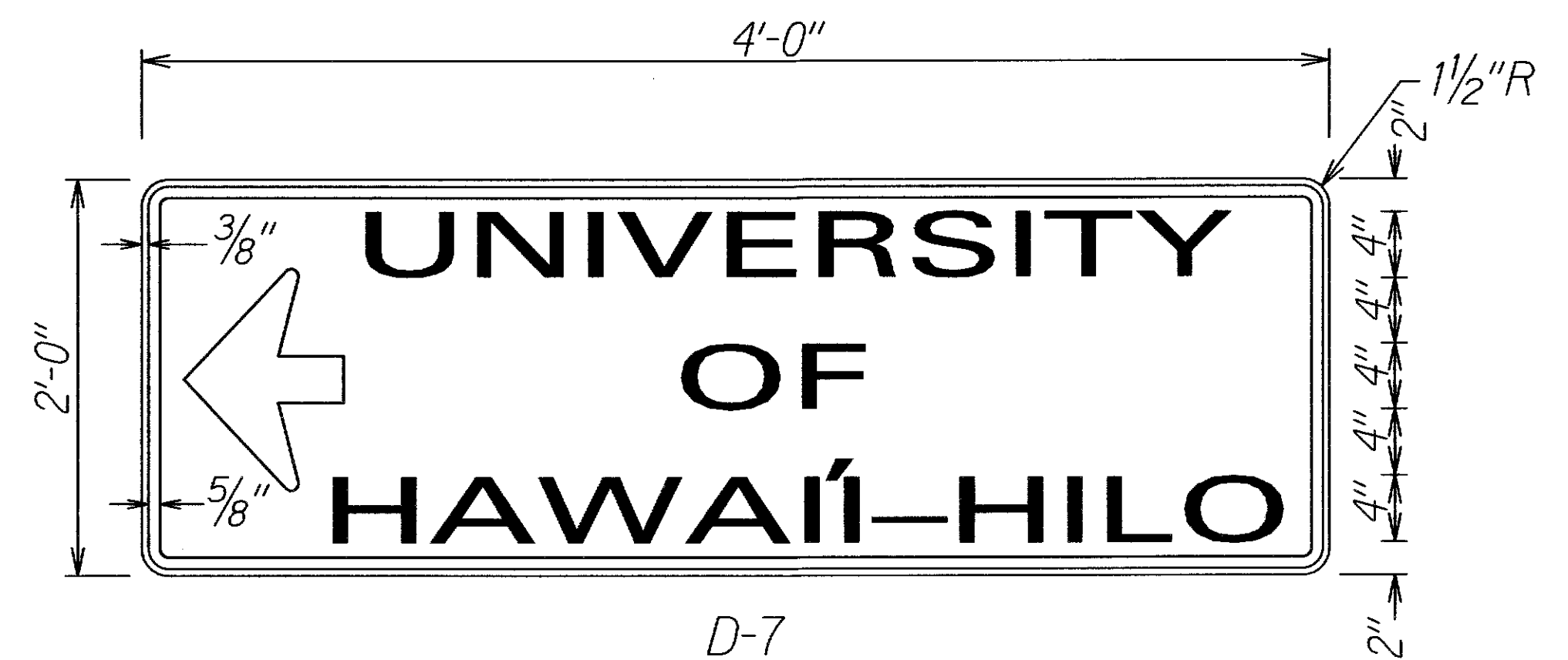
1. Sign D-10 shall have a White Reflectorized Legend and Border on a Green Reflectorized Background.



D-6  
Scale: None

**NOTE:**

1. Sign D-6 shall have a White Reflectorized Legend and Border on a Green Reflectorized Background.



D-7  
Scale: None

**NOTE:**

1. Sign D-7 shall have a White Reflectorized Legend and Border on a Green Reflectorized Background.

LEGEND FOR AS-BUILT POSTINGS	
	Squiggly line for as-built deletion
	Double line for as-built deletion
Roadway	Text for as-built posting

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**SIGN DETAILS CONT.**

KANOELEHUA AVENUE RESURFACING  
F.A. PROJECT NO. NH-011-2(33)

Scale: Not To Scale Date: April, 1996

SHEET No. 4 OF 4 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
PLAN	BY	4/96
NOTE BOOK	DESIGNED BY	
004/8807	QUANTITIES BY	
240/8804	CHECKED BY	