

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-092-1(27)	2009	66	302

SIGN GENERAL NOTES:

1. For sign details not in the DOT Standard Plans, see Plan Sheets T15 to T20.
2. All signs height and lateral locations mounted on post, highway light pole and traffic signal pole shall follow Standard Plan TE-01.
3. Final locations of all signs shall be approved by the Engineer prior to any installation work.
4. Existing signs not shown on these plans shall remain as posted unless otherwise directed by the Engineer.
5. Removal and disposal of existing signs and /or posts as designated on these plans shall be incidental to the various signing items.
6. The removal of existing sign(s) and/or post(s) shall be considered incidental to various contract items.
7. Inform the Engineer of any existing sign not shown on these plans.
8. Clean all existing signs shown in the plans. Work shall be considered incidental and inclusive of various contract items.
9. Adjust and straighten all existing signs shown in the plans to be square and plumb. Work shall be considered incidental and inclusive of various contract items.
10. Remove and dispose branches, leaves, and vegetation obstructing reasonable motorist view to the signs. Work shall be considered incidental and inclusive of various contract items.
11. All signs shall use high-intensity grade reflective sheeting in accordance with HDOT Specifications.
12. Install State Type II Object marker on all utility poles within project vicinity. See Standard Plan TE-17. Replace existing with new if existing marker on the pole exist. Work shall be considered incidental and inclusive of various contract items.
13. Fabricate and install stickers on back of all new signs indicating route number, mile post and sign installation date. Submit sample to the engineer for approval. Payment for this work shall be considered incidental to the various sign items.

KEY:

- ① Exist. Sign(s) & Post(s) to Remain
- ② Exist. Sign(s) on Exist. Hwy. Light Pole to Remain
- ③ Install New Sign(s)
- ④ Install New Sign(s) & Post(s)
- ⑤ Install New sign(s) on New Post(s)
- ⑥ Install New Sign(s) on New Hwy. Light Pole
- ⑦ Install New Sign(s) on Exist. Traffic Signal Pole
- ⑧ Install New Sign(s) & Bracket(s) on Exist. Traffic Signal Mast Arm
- ⑨ Remove Exist. Sign(s) & Post(s)
- ⑩ Remove Exist. Sign(s) & Install Exist. Sign(s) on New Post(s)
- ⑪ Remove Exist. Sign(s) & Post(s) & Install New Sign(s) & Post(s)
- ⑫ Remove Exist. Sign(s) on Exist. Hwy. Light Pole
- ⑬ Remove Exist. Sign(s) & Install New Sign(s) on Exist. Traffic Signal Pole
- ⑭ Remove Exist. Sign(s) & Install New Sign(s) on Exist. Traffic Signal Mast Arm
- ⑮ Remove Exist. Sign(s) & Bracket(s) & Install New Sign(s) & Bracket(s) on Exist. Traffic Signal Mast Arm
- ⑯ Relocate Exist. Sign(s) on Exist. Hwy. Light Pole to New Location
- ⑰ Remove Exist. sign(s) & Post(s) & Install New Sign(s) & Post(s) to New Location
- ⑱ Remove Exist. Sign(s)
- ⑲ Remove Exist. Sign(s) & Install New Sign(s) on New Post(s)
- ⑳ Exist. Sign(s) on Exist. Traffic Signal Mast Arm to Remain
- ㉑ Remove Exist. Sign(s) & Install New Sign(s) on Exist. Hwy. Light Pole
- ㉒ Install New Sign(s) on Exist. Hwy. Light Pole
- ㉓ Remove Exist. Sign(s) & Post(s) & Install New Sign(s) on New Hwy. Light Pole
- ㉔ Relocate Exist. Sign(s) & Post(s) to New Location
- ㉕ Remove Exist. Sign(s) & Install New Sign(s) on New Hwy. Light Pole

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DESIGNED BY	
Quantity	CHECKED BY	
No. 60101k		

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**SIGN GENERAL NOTES AND KEY**

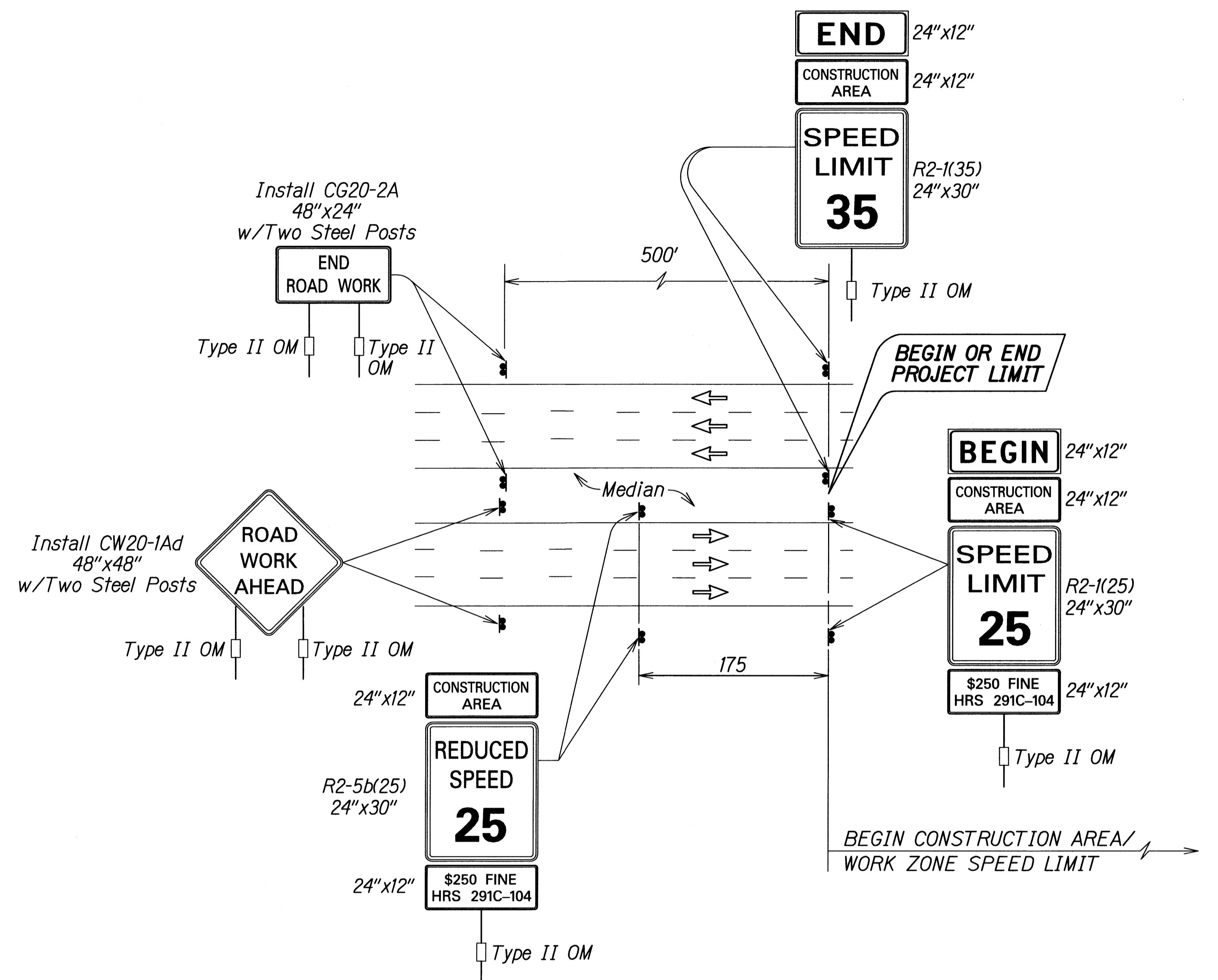
**NIMITZ HIGHWAY AND  
ALA MOANA BOULEVARD RESURFACING  
AND HIGHWAY LIGHTING REPLACEMENT**

*Federal Aid Project No. NH-092-1(27)*

Scale: As Noted      Date: Jan. 2009



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-092-1(27)	2009	68	302

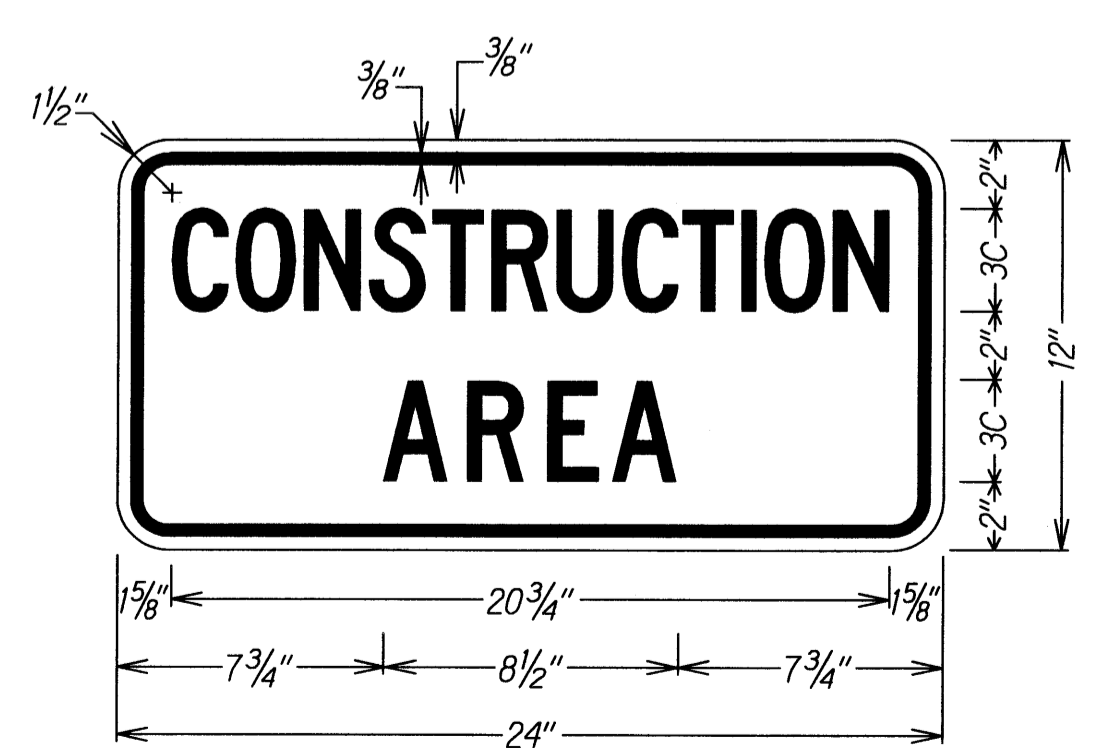


TYPICAL DETAIL FOR CONSTRUCTION SIGNS ON MULTILANE DIVIDED LOW SPEED HIGHWAY

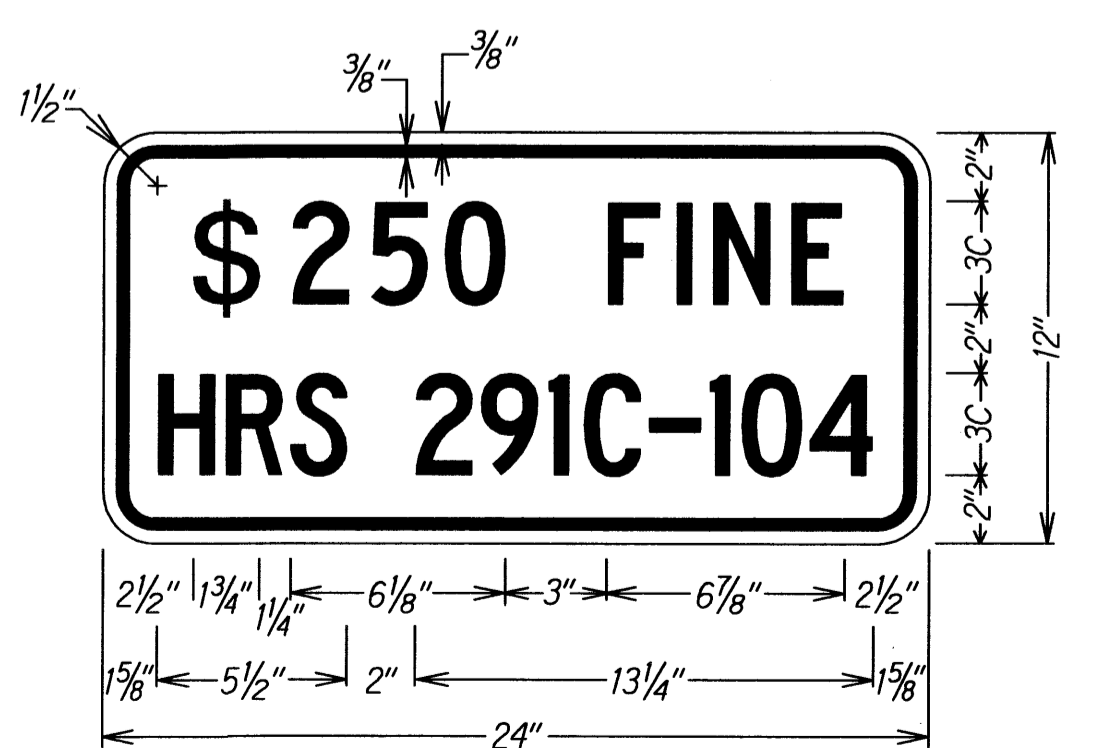
Work Zone Note:

1. This Work Zone Sign Plan is intended for use on long-term stationary work zones/construction phases (3 days or more). All work zones or construction phases less than 3 days duration will use Traffic Control Plans shown in Section 645 of the Special Provisions.
2. All existing regulatory speed limit signs with posts within the work zone/project limits shall be removed and replaced with work zone speed limit sign assemblies (R2-1(25) and R2-5b(25) with "CONSTRUCTION AREA" and "\$250 FINE HRS 291C-104" Supplemental Signs).
3. Construction sign assemblies shall be installed on both the approaching and trailing ends of each work zone as shown on this plan.
4. Each construction warning sign shall have a minimum of two (2) Type II OM. Each work zone speed limit assembly shall have a minimum of one (1) Type II OM. Installation of each Type II OM shall be considered incidental to Item No. 621.7100, Construction Sign with Posts.
5. Upon the completion of all physical work or as directed by the Engineer, all construction signs and work zone speed limit assemblies shall be removed. All speed limit signs and posts that were existing at the start of the project within the work zone/project limits shall be restored back to their original locations and configurations.
6. Placement of construction signs shall not obstruct the path of pedestrians and bicyclists.
7. The removal and restoration of existing regulatory speed limit signs with new posts along with the installation, maintenance and removal of work zone speed limit sign assemblies shall be considered incidental to Item No. 621.7100, Construction Sign with Posts.

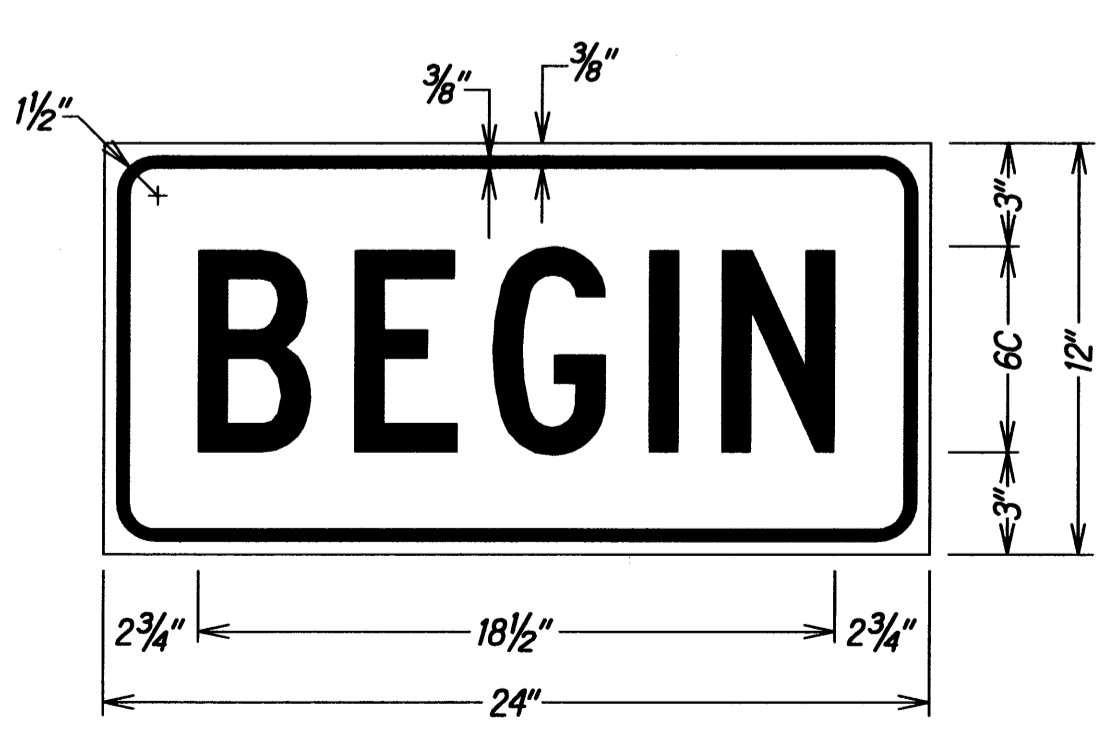
SURVEY PLOTTED BY	DATE
DESIGNED BY	
TRACED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
DATE	



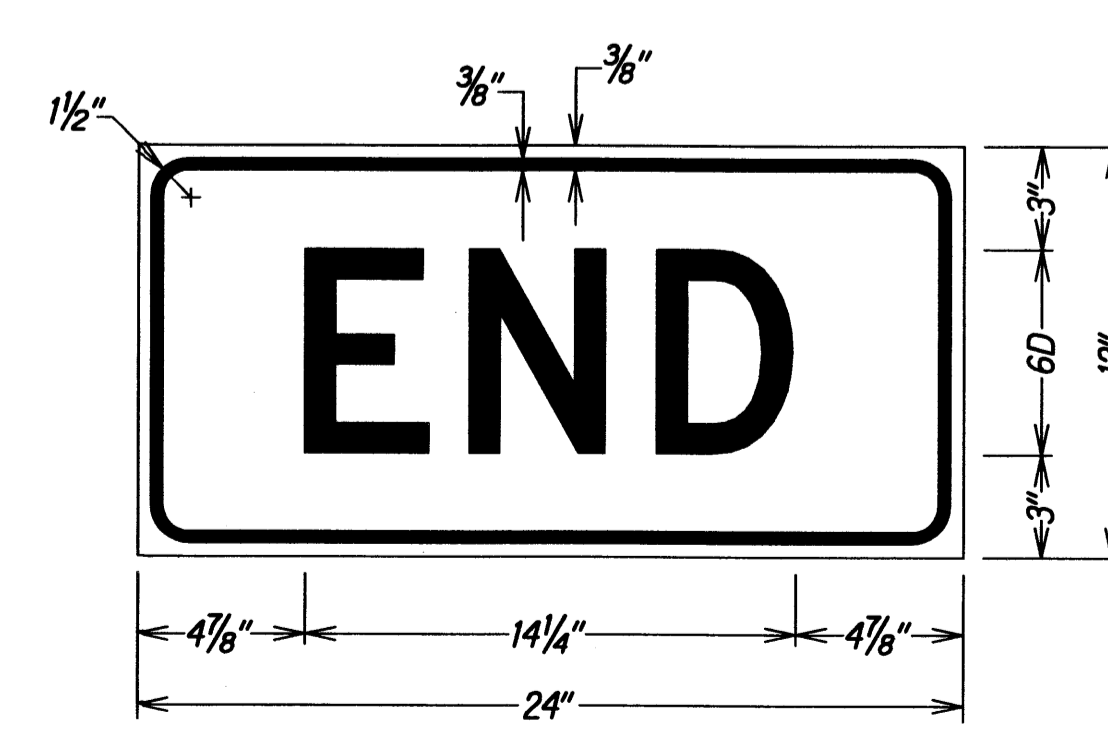
LEGEND: BLACK  
BACKGROUND: ORANGE



LEGEND: BLACK  
BACKGROUND: WHITE

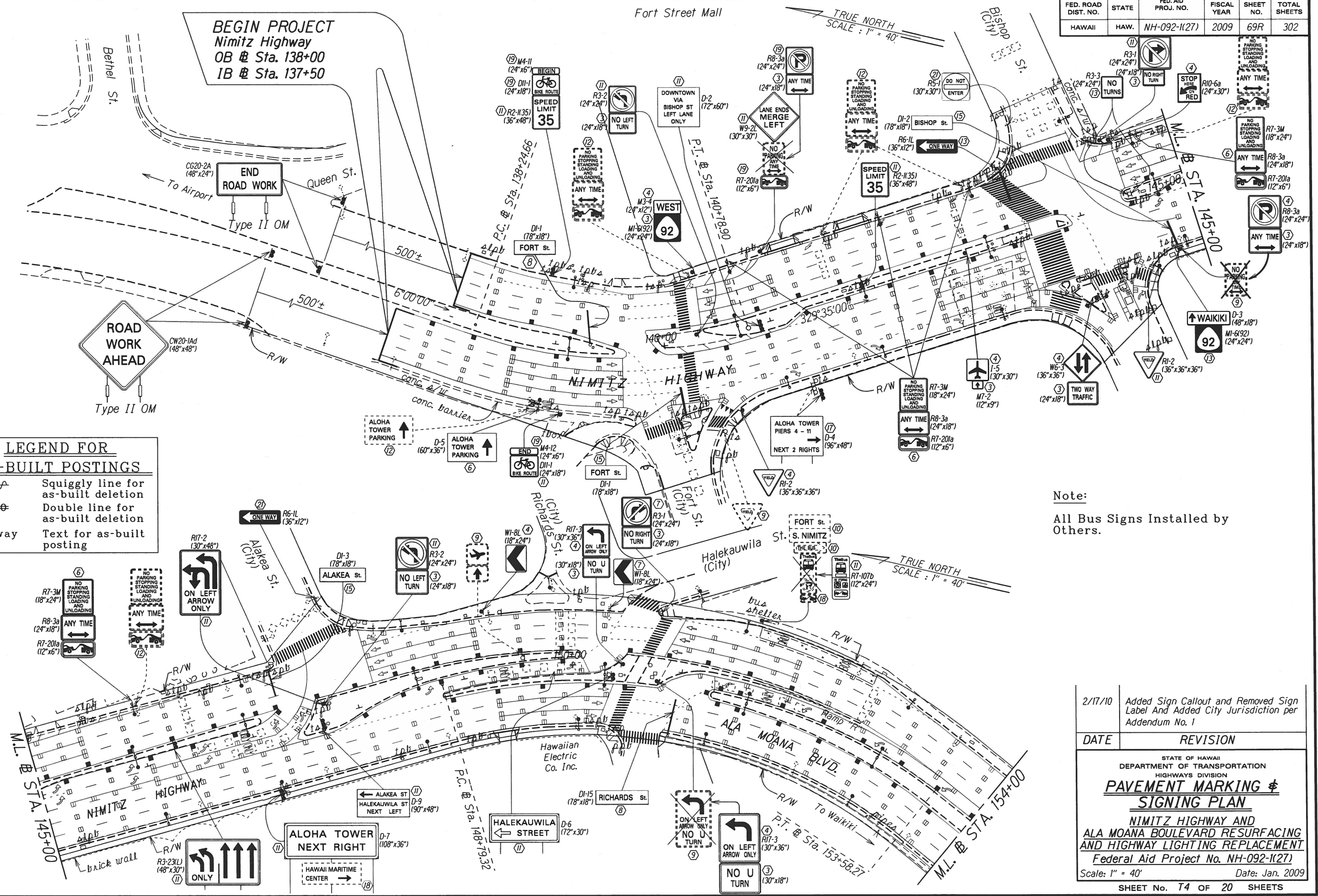


LEGEND: BLACK  
BACKGROUND: ORANGE



LEGEND: BLACK  
BACKGROUND: ORANGE

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**LOW SPEED DIVIDED HIGHWAY**  
**WORK ZONE SIGNING PLAN, NOTES & DETAILS**  
NIMITZ HIGHWAY AND  
ALA MOANA BOULEVARD RESURFACING  
AND HIGHWAY LIGHTING REPLACEMENT  
Federal Aid Project No. NH-092-1(27)  
Not To Scale Date: Jan. 2009  
SHEET No. T3 OF 20 SHEETS



**LEGEND FOR AS-BUILT POSTINGS**

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

Note:  
All Bus Signs Installed by Others.

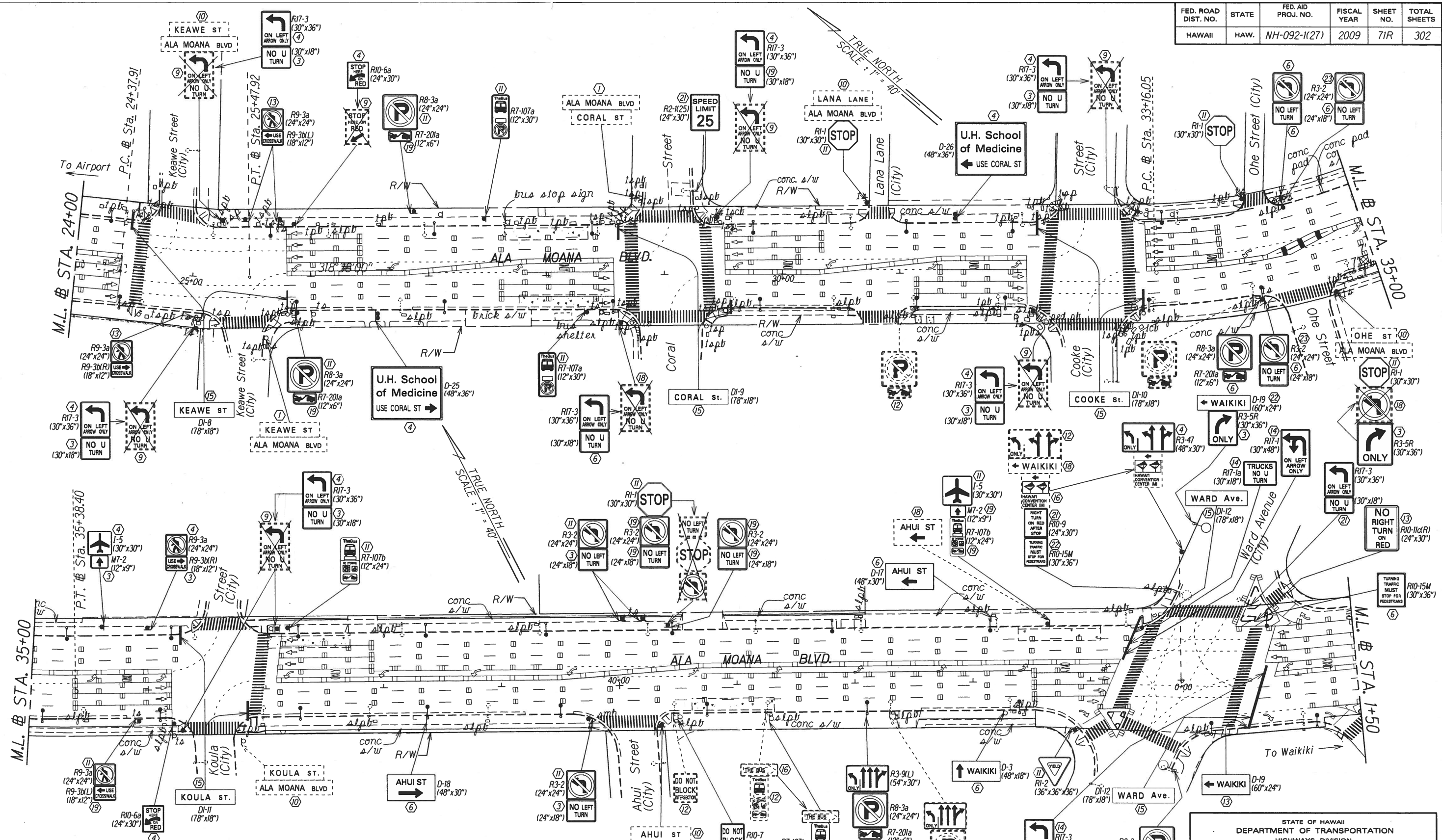
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 DRAWN BY: [blank]  
 TRACED BY: [blank]  
 DESIGNED BY: [blank]  
 CHECKED BY: [blank]

DATE	REVISION
2/17/10	Added Sign Callout and Removed Sign Label And Added City Jurisdiction per Addendum No. 1

STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION  
**PAVEMENT MARKING & SIGNING PLAN**  
 NIMITZ HIGHWAY AND ALA MOANA BOULEVARD RESURFACING AND HIGHWAY LIGHTING REPLACEMENT  
 Federal Aid Project No. NH-092-1(27)  
 Scale: 1" = 40' Date: Jan. 2009  
 SHEET No. T4 OF 20 SHEETS

"AS-BUILT"





DATE: 1/23/09  
 SURVEY PLATTED BY: L.H.  
 DRAWN BY: L.H.  
 DESIGNED BY: P. Chen  
 NOTE BOOK: 1/1/09  
 CHECKED BY: S. Sambrao, J.G.

Pfleuger  
 Honda

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

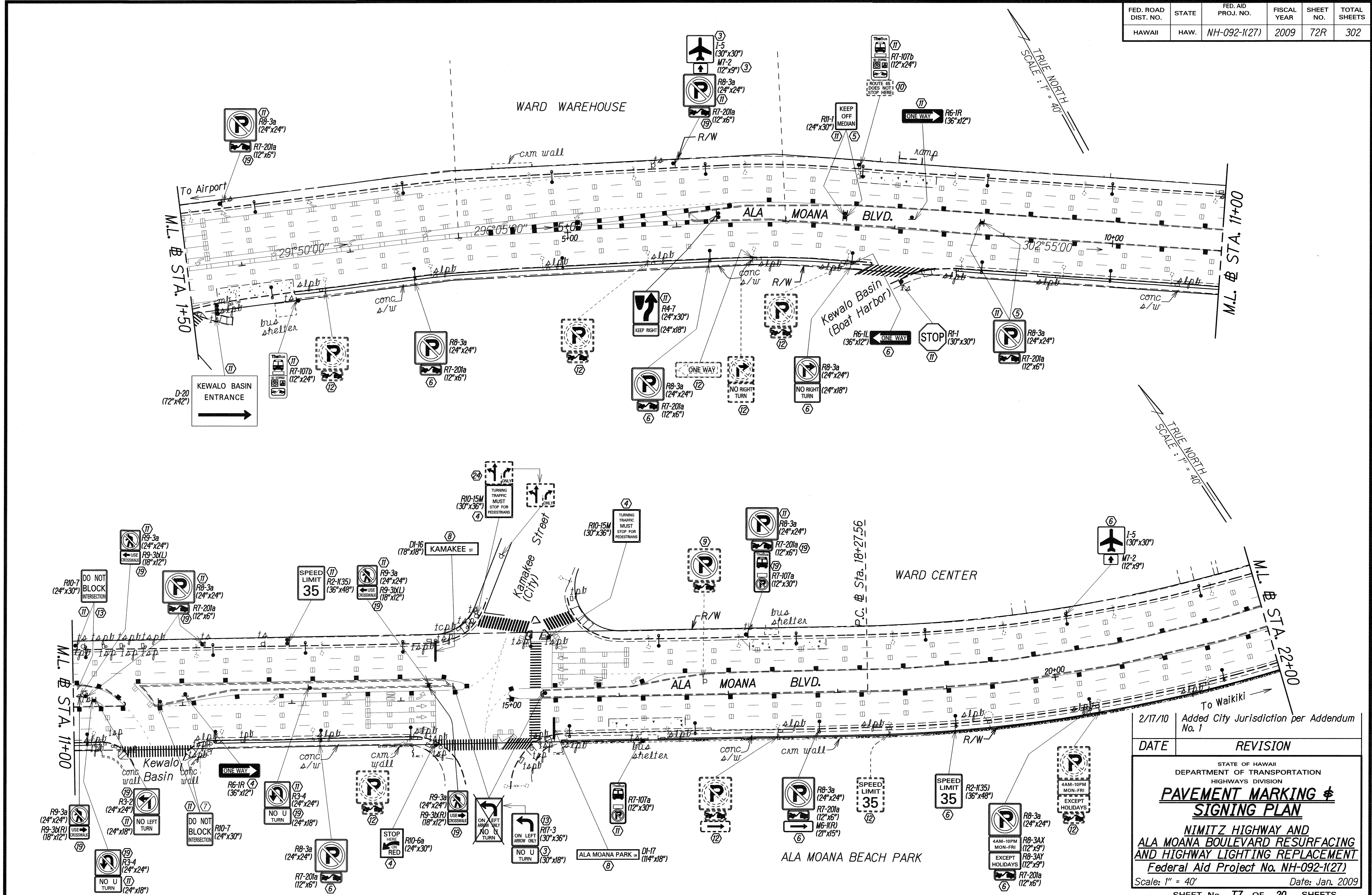
2/17/10	Added City Jurisdiction per Addendum No. 1
DATE	REVISION

No. 1  
 R16-4  
 (18"x24")  
 Std. Pln.  
 2008

STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION  
**PAVEMENT MARKING & SIGNING PLAN**  
 NIMITZ HIGHWAY AND  
 ALA MOANA BOULEVARD RESURFACING  
 AND HIGHWAY LIGHTING REPLACEMENT  
 Federal Aid Project No. NH-092-1(27)  
 Scale: 1" = 40' Date: Jan. 2009  
 SHEET No. T6 OF 20 SHEETS

"AS-BUILT"

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-092-1(27)	2009	72R	302

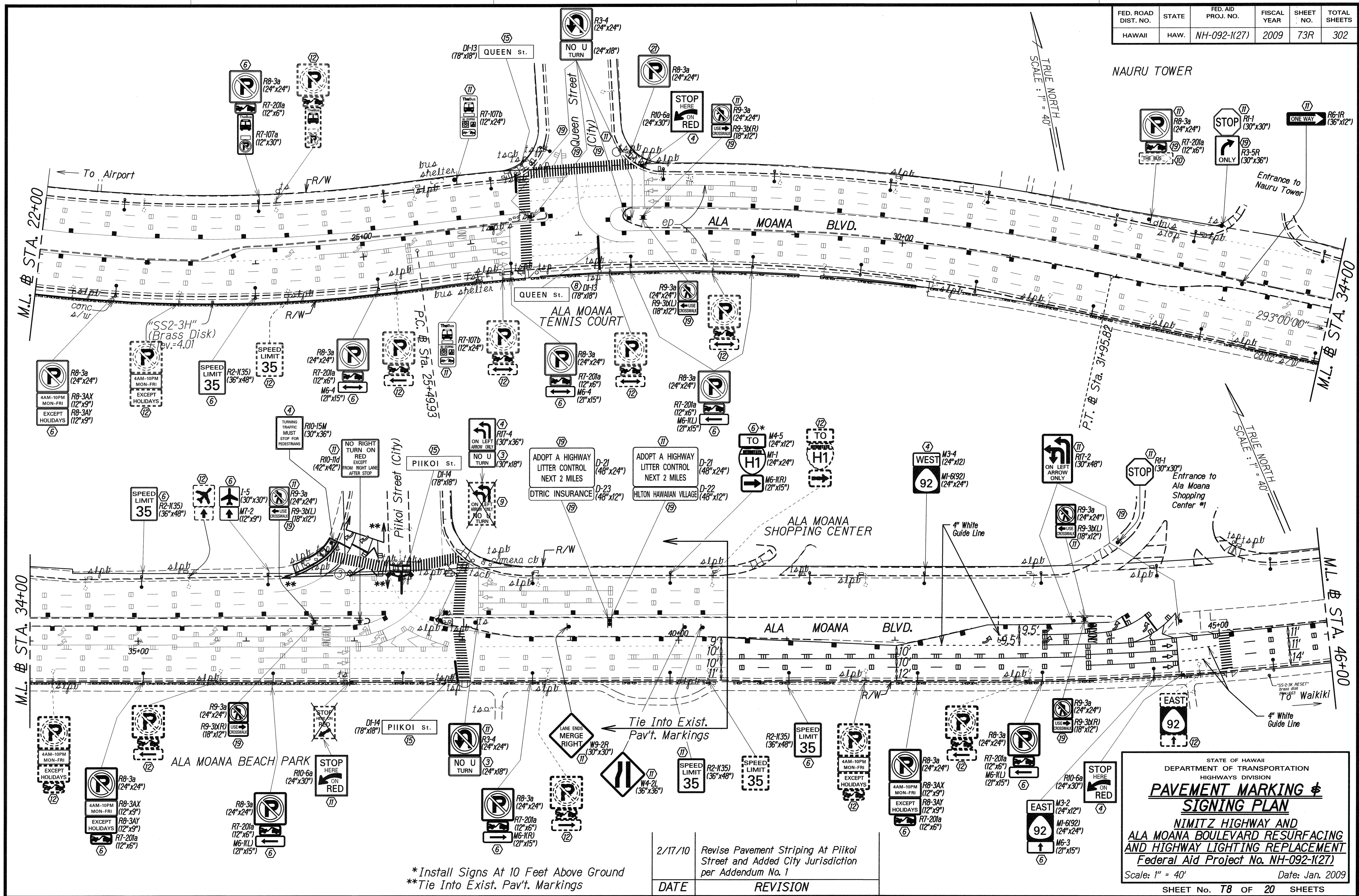


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 CHECKED BY: [blank]  
 ORIGINAL PLAN: [blank]  
 NOTE BOOK: [blank]  
 QUANTITIES BY: [blank]  
 CHECKED BY: [blank]

DATE	REVISION
2/17/10	Added City Jurisdiction per Addendum No. 1

STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION  
**PAVEMENT MARKING & SIGNING PLAN**  
 NIMITZ HIGHWAY AND ALA MOANA BOULEVARD RESURFACING AND HIGHWAY LIGHTING REPLACEMENT  
 Federal Aid Project No. NH-092-1(27)  
 Scale: 1" = 40' Date: Jan. 2009  
 SHEET No. 77 OF 20 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-092-1(27)	2009	73R	302



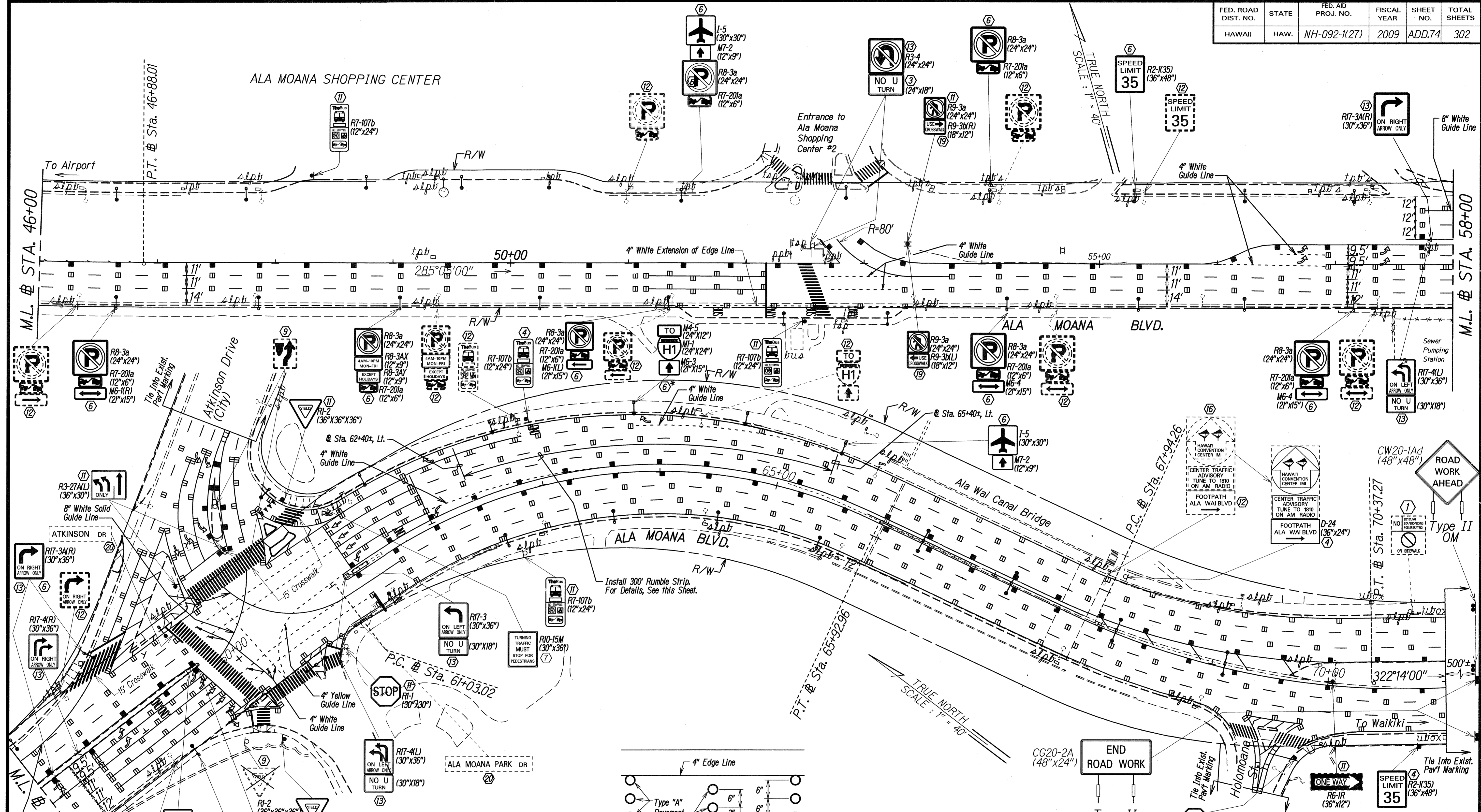
DATE: 1/23/09  
 SURVEY PLOTTED BY: JH  
 DRAWN BY: JH  
 TRACED BY: P. Chan  
 NOTE BOOK: J. Lynn  
 QUANTITIES BY: J. Lynn  
 CHECKED BY: J. Lynn

\*Install Signs At 10 Feet Above Ground  
 \*\*Tie Into Exist. Pav't. Markings

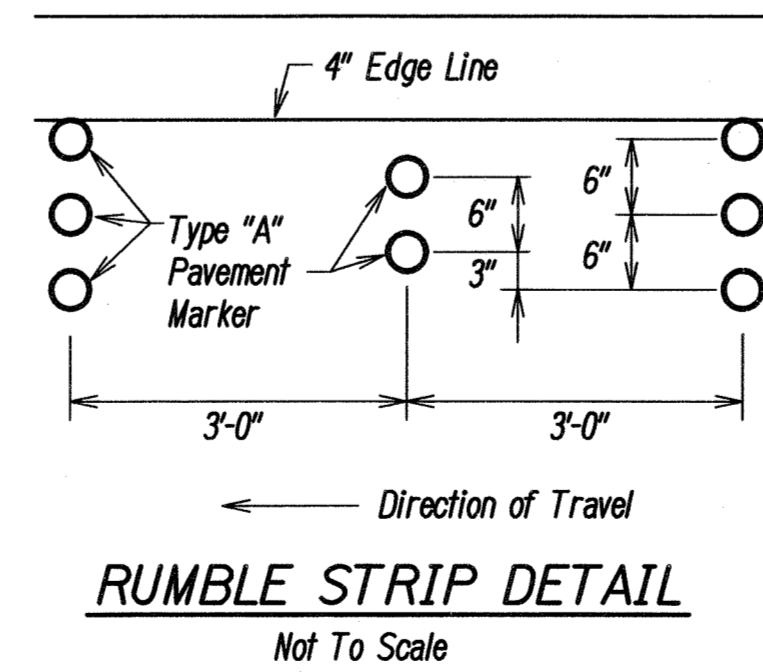
2/17/10	Revise Pavement Striping At Piikoi Street and Added City Jurisdiction per Addendum No. 1
DATE	REVISION

STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION  
**PAVEMENT MARKING & SIGNING PLAN**  
 NIMITZ HIGHWAY AND  
 ALA MOANA BOULEVARD RESURFACING  
 AND HIGHWAY LIGHTING REPLACEMENT  
 Federal Aid Project No. NH-092-1(27)  
 Scale: 1" = 40' Date: Jan. 2009  
 SHEET No. 78 OF 20 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-092-1(27)	2009	ADD.74	302



DATE: 1/23/10  
 SURVEY PLOTTED BY: [Signature]  
 ORIGINAL PLANS: [Signature]  
 NOTE BOOK: [Signature]  
 DESIGNED BY: [Signature]  
 CHECKED BY: [Signature]

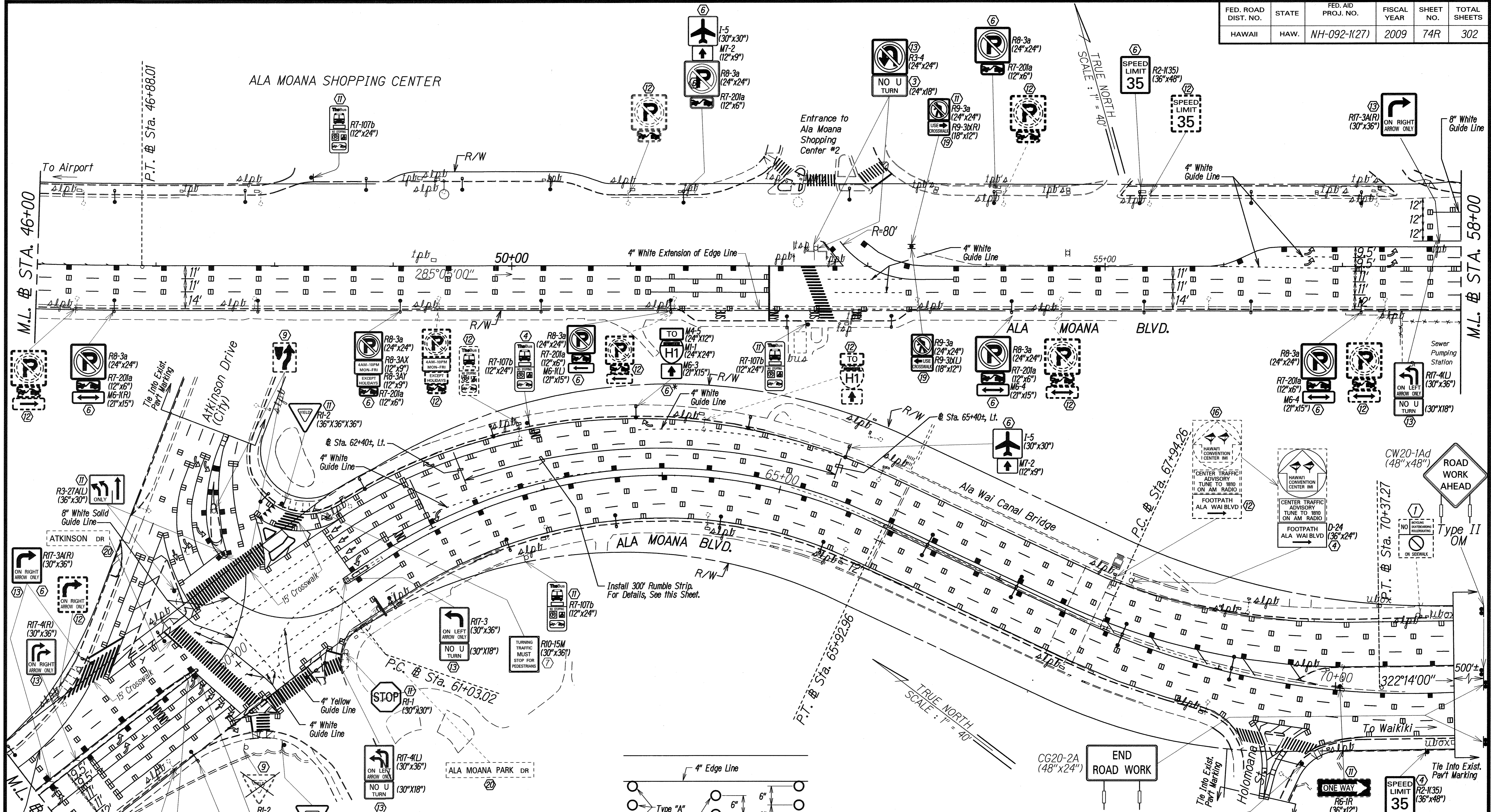


Approved: [Signature]  
 CHIEF, TRAFFIC REVIEW BRANCH, DPP Date: 2/22/10  
 (For work within City R/W only)

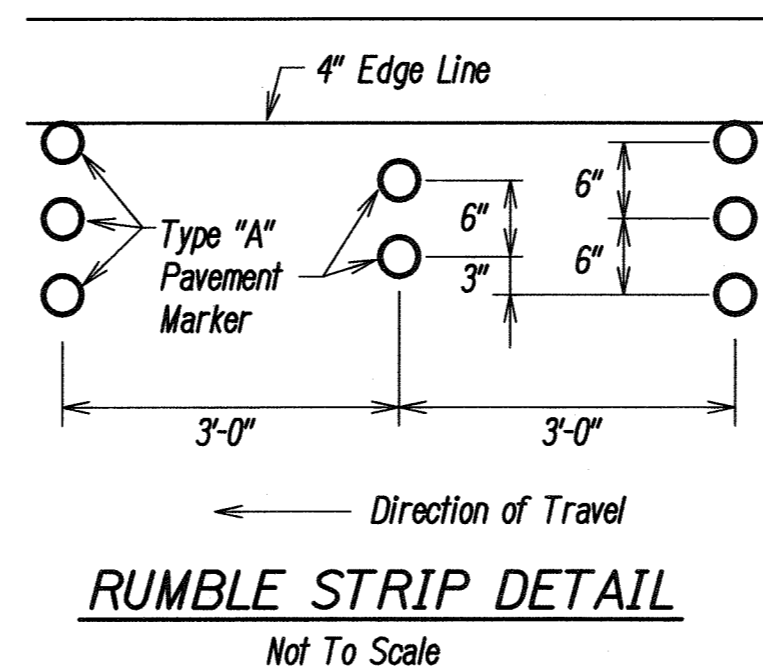
DATE	REVISION
2/4/2010	Added City Jurisdiction and Traffic Review Branch Approval Signature

STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION  
**PAVEMENT MARKING & SIGNING PLAN**  
 NIMITZ HIGHWAY AND  
 ALA MOANA BOULEVARD RESURFACING  
 AND HIGHWAY LIGHTING REPLACEMENT  
 Federal Aid Project No. NH-092-1(27)  
 Scale: 1" = 40' Date: Jan. 2009  
 SHEET No. T9 OF 20 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-092-1(27)	2009	74R	302



DATE	1/23/10
SURVEY PLOTTED BY	JLH
DRAWN BY	JLH
DESIGNED BY	P. Chan
QUANTITIES BY	Jollyne
CHECKED BY	S. Bambino
ORIGINAL PLAN	
NOTE BOOK	
DATE	



DATE	REVISION
2/4/10	Added City Jurisdiction and Traffic Review Branch Approval Signature

Approved :  
 \_\_\_\_\_  
 CHIEF, TRAFFIC REVIEW BRANCH, DPP Date  
 (For work within City R/W only)

STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION

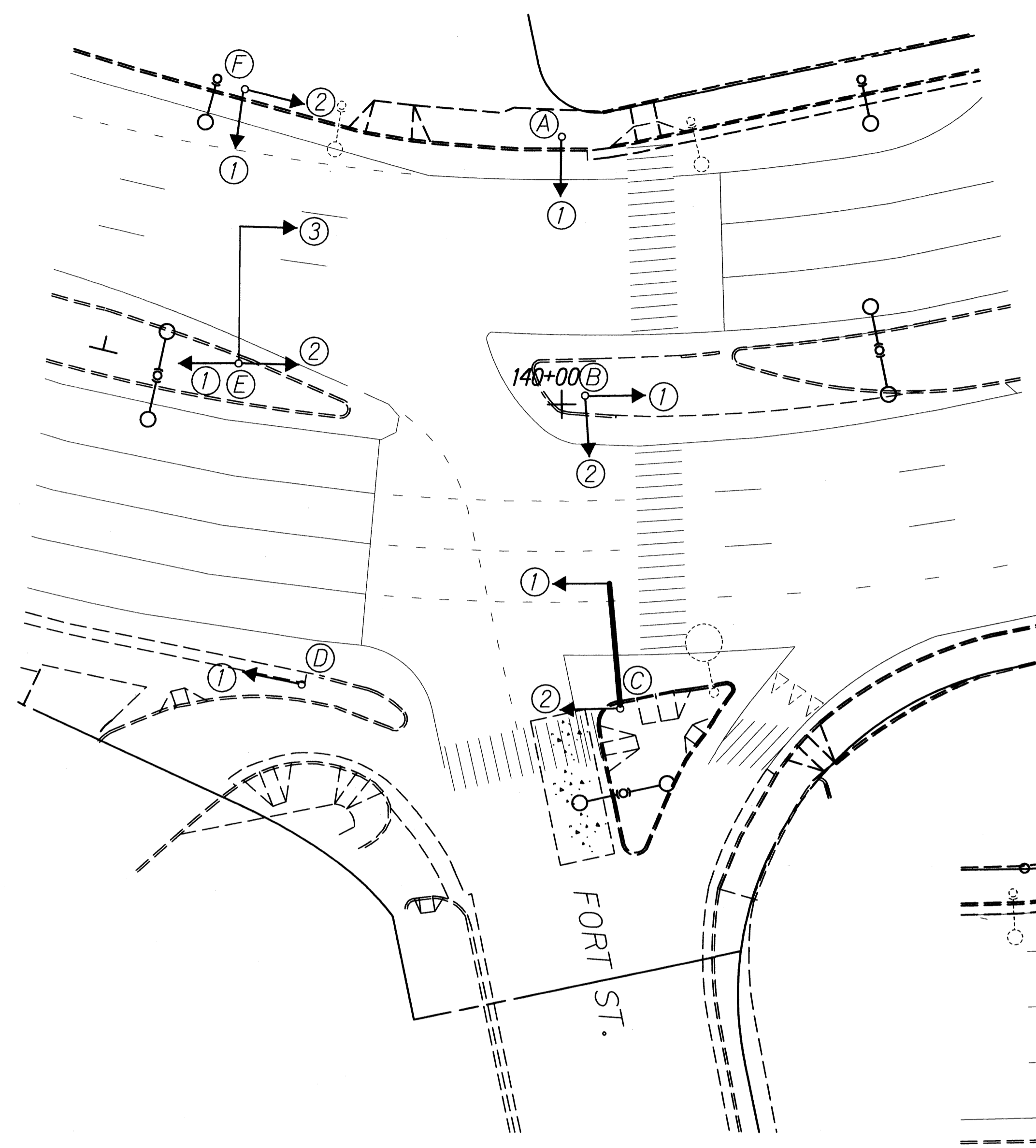
**PAVEMENT MARKING & SIGNING PLAN**

NIMITZ HIGHWAY AND  
 ALA MOANA BOULEVARD RESURFACING  
 AND HIGHWAY LIGHTING REPLACEMENT  
 Federal Aid Project No. NH-092-1(27)

Scale: 1" = 40' Date: Jan. 2009

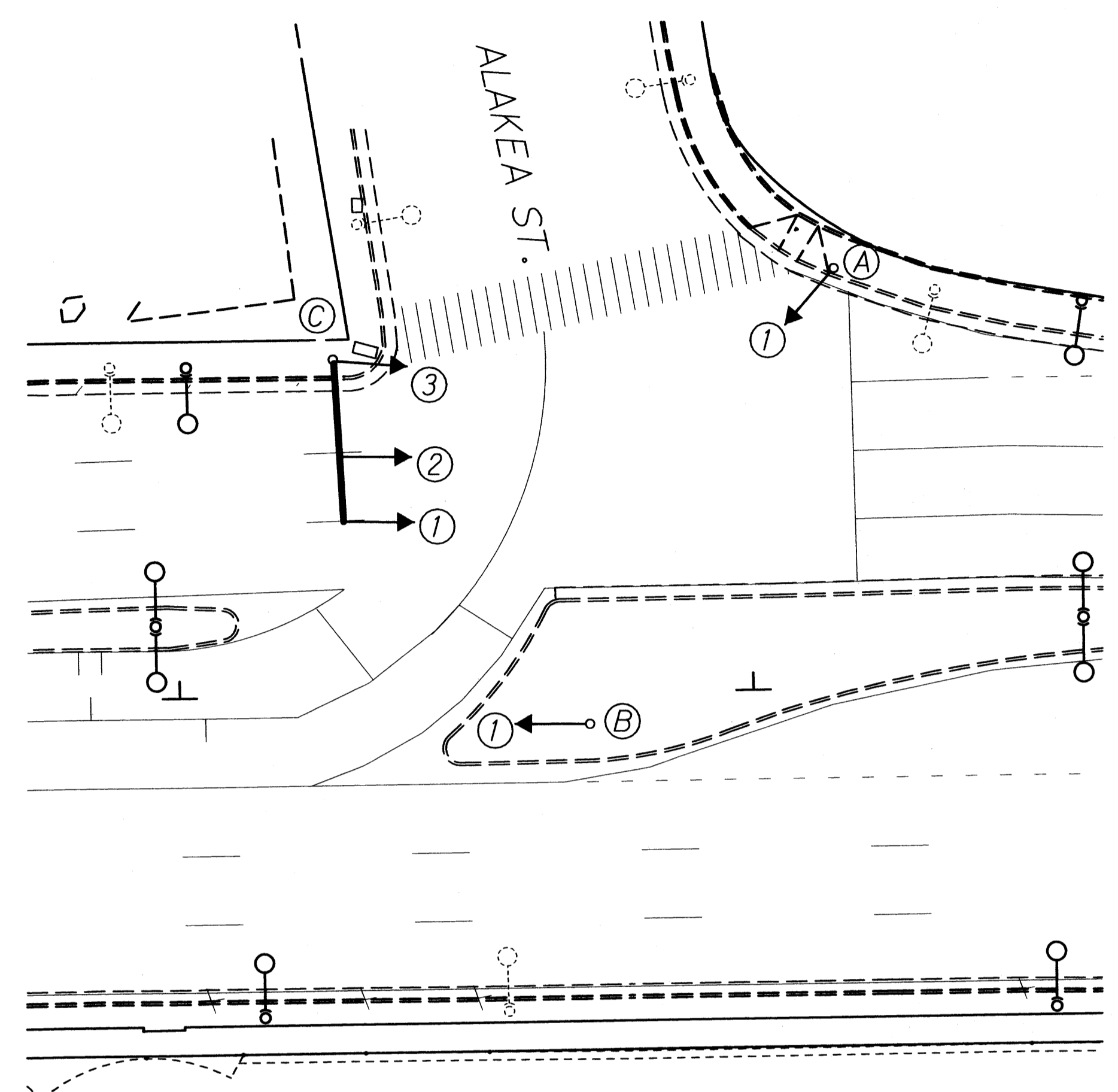
SHEET No. T9 OF 20 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-092-1(27)	2009	75	302



BISHOP STREET								
SIGNAL INDICATION		DESCRIPTION		SIGNAL HEAD DESIGNATION				
(R)	(Y)	(G)	(R)	(Y)	(G)			
12" RYGA TRAFFIC SIGNAL HEAD (NEW L.E.D. OPTICAL UNITS ONLY)								
D-1*	F-3	B-1	F-2	C-3	G-1			
E-1	G-3	C-1	H-1	D-2*	G-2			
F-1		C-2						

\*\*NO LAMP AND/OR LENS REPLACEMENT ON PROGRAMMABLE VISIBILITY (PV) SIGNAL HEADS  
\*SALVAGE EXISTING L.E.D.

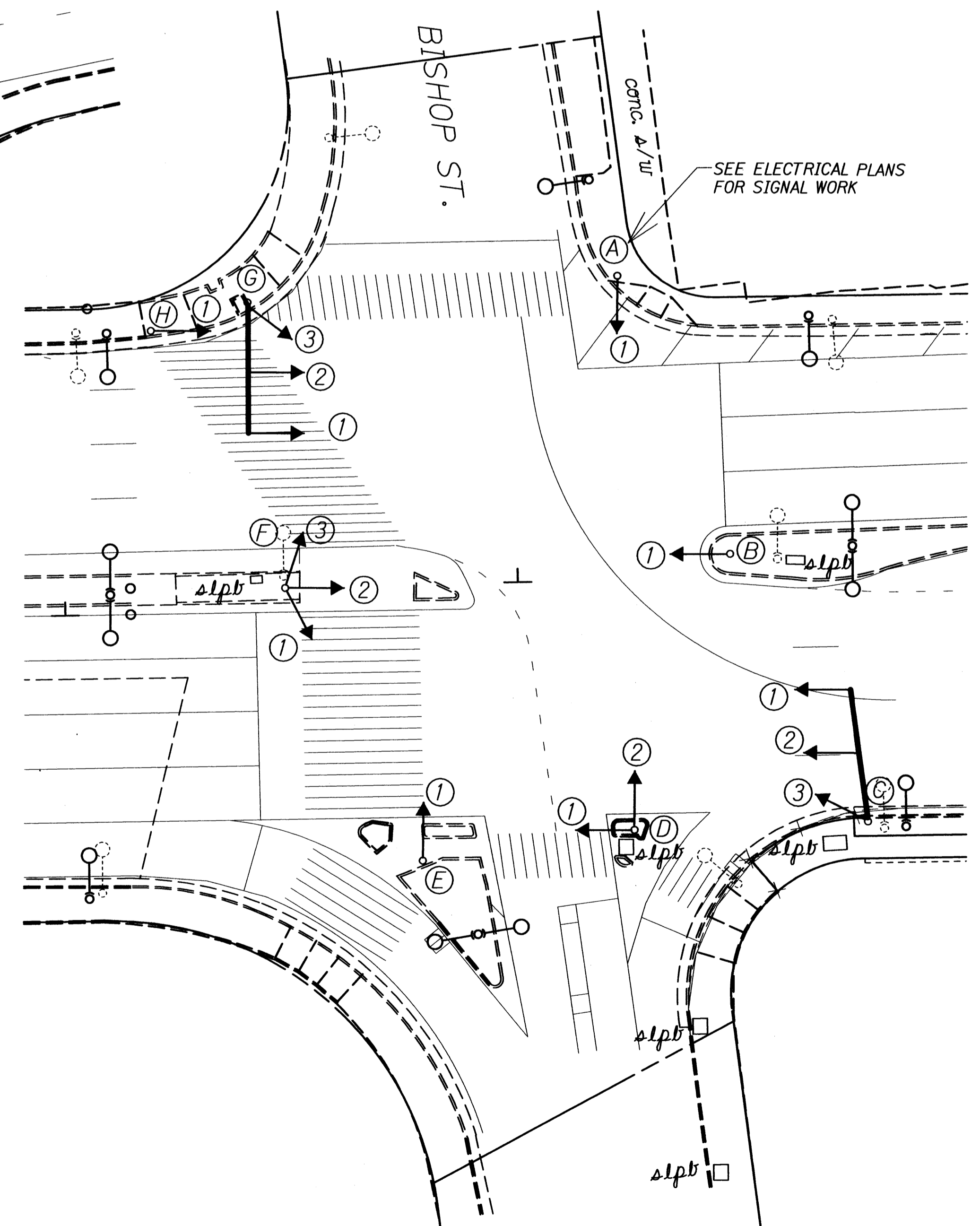


ALAKEA STREET								
SIGNAL INDICATION		DESCRIPTION		SIGNAL HEAD DESIGNATION				
(R)	(Y)	(G)	(R)	(Y)	(G)			
12" RYGA TRAFFIC SIGNAL HEAD (NEW L.E.D. OPTICAL UNITS ONLY)								
C-3	C-1	A-1	B-1					
	C-2							

\*YELLOW ARROW LENS REPLACEMENT ONLY

FORT STREET								
SIGNAL INDICATION		DESCRIPTION		SIGNAL HEAD DESIGNATION				
(R)	(Y)	(G)	(R)	(Y)	(G)			
12" RYGA TRAFFIC SIGNAL HEAD (NEW L.E.D. OPTICAL UNITS ONLY)								
B-2	C-1	A-1	B-1					
D-1	C-2	F-1	E-2					
	E-1		E-3					
	F-2							

\*\*NO LAMP AND/OR LENS REPLACEMENT ON PROGRAMMABLE VISIBILITY (PV) SIGNAL HEADS



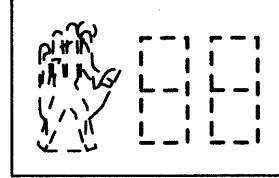
SURVEY PLOTTED BY: DATE: 3/16/07  
 DRAWN BY: JLC  
 NOTE BOOK DESIGNED BY: E. Chan  
 QUANTITIES BY: J. Williams  
 CHECKED BY: N. Sembreski

STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION  
**LED SIGNAL RETROFIT PLAN**  
**NIMITZ HIGHWAY AND**  
**ALA MOANA BOULEVARD RESURFACING**  
**AND HIGHWAY LIGHTING REPLACEMENT**  
 Federal Aid Project No. NH-092-1(27)  
 Scale: 1" = 20' Date: Jan. 2009  
 SHEET No. T10 OF 20 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-092-1(27)	2009	76	302

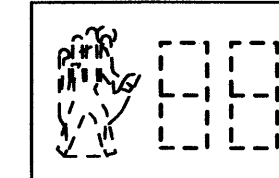
**ALA MOANA SHOPPING CENTER #1**

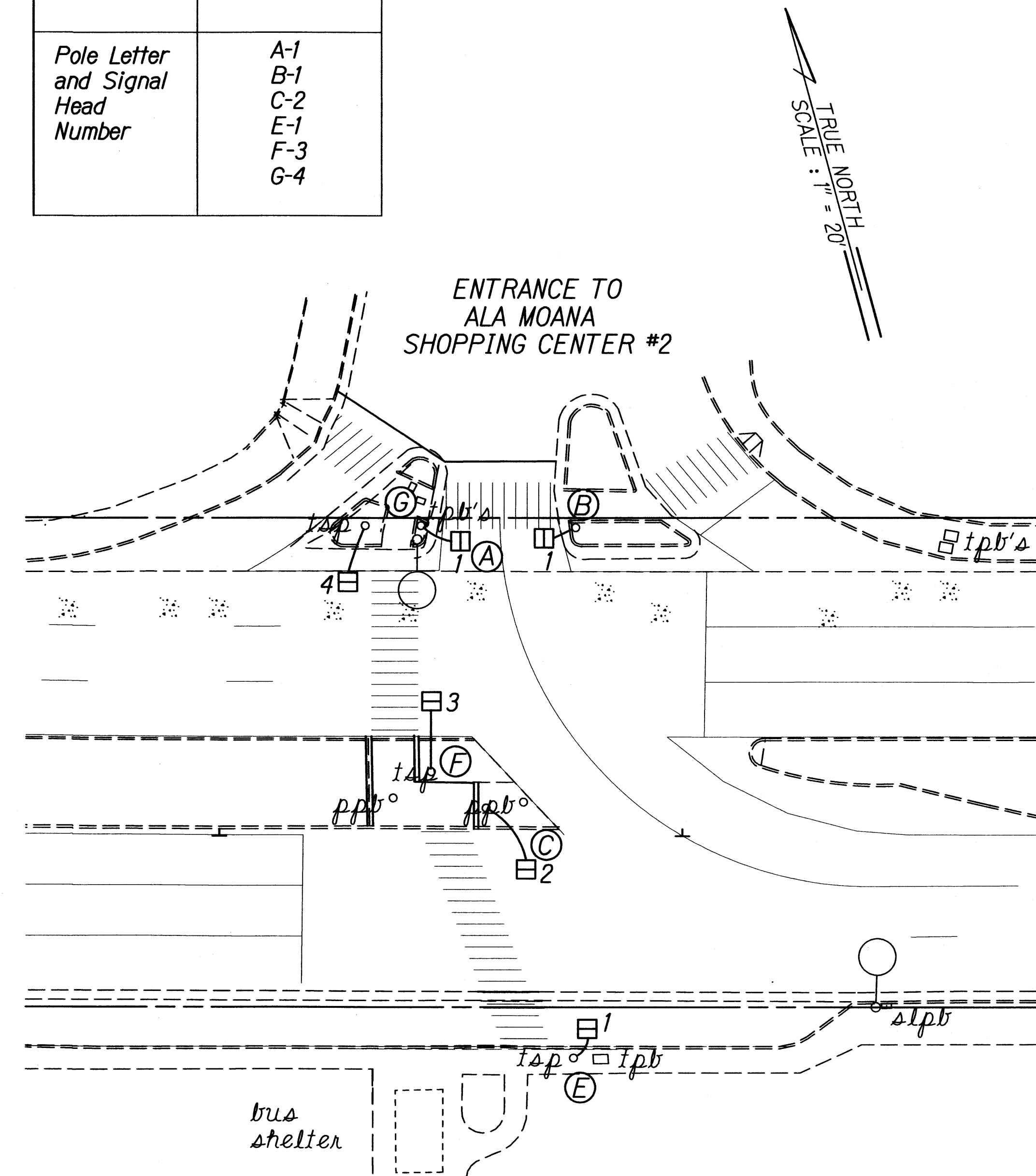
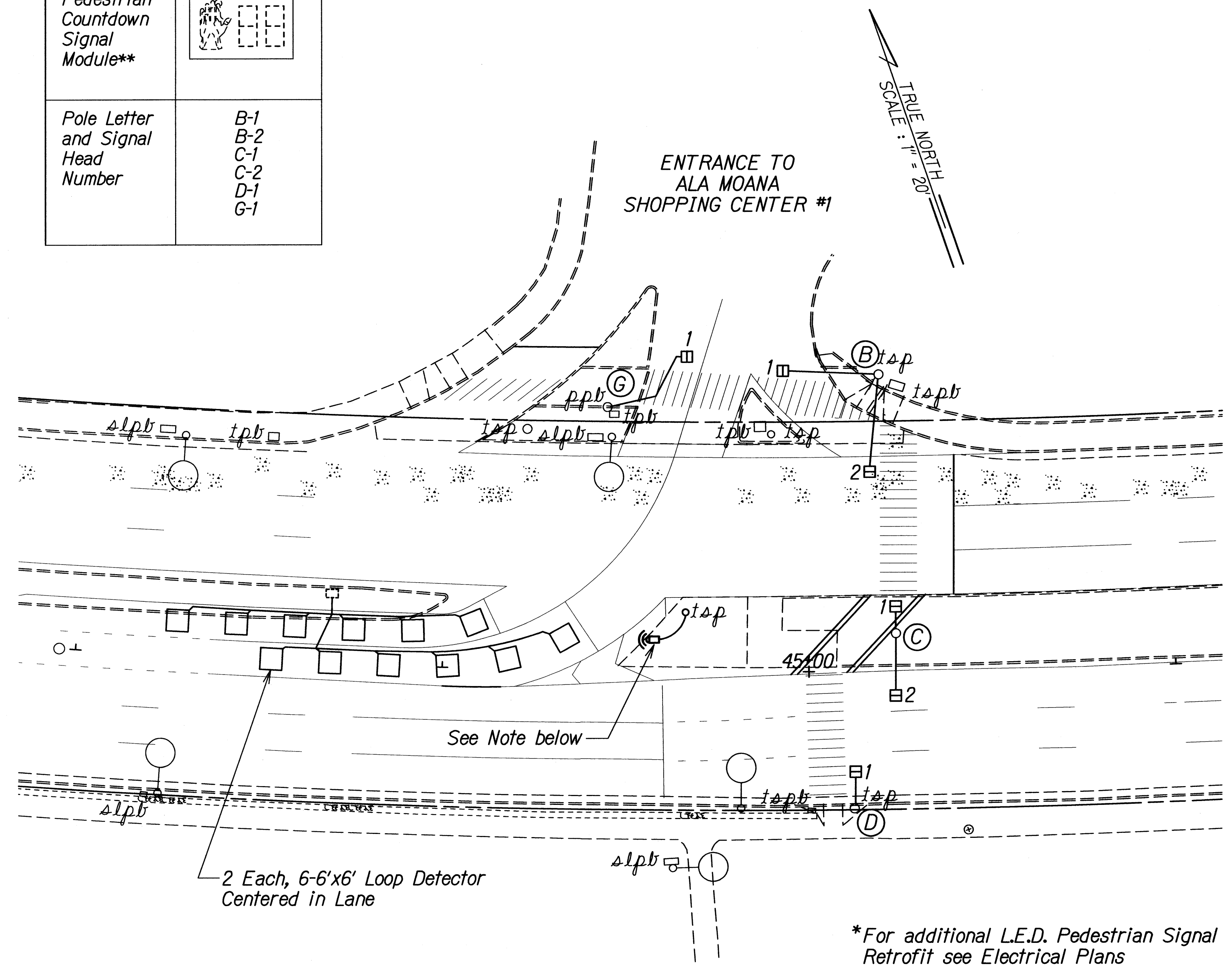
**L.E.D. PEDESTRIAN COUNTDOWN SIGNAL MODULE SCHEDULE\***

L.E.D. Pedestrian Countdown Signal Module**	
Pole Letter and Signal Head Number	B-1 B-2 C-1 C-2 D-1 G-1

**ALA MOANA SHOPPING CENTER #2**

**L.E.D. PEDESTRIAN COUNTDOWN SIGNAL MODULE SCHEDULE\***

L.E.D. Pedestrian Countdown Signal Module**	
Pole Letter and Signal Head Number	A-1 B-1 C-2 E-1 F-3 G-4


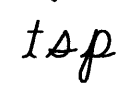




**NOTES:**

1. Install Temporary Microwave Detectors on existing traffic signal pole. Install No. 16, 4 Conductor Cable in existing conduits from detector to controller. The cost of the cable shall be incidental to the cost of the microwave detector.
2. Remove existing pedestrian signal head and replace with new L.E.D. pedestrian countdown signal module.
3. For additional loop detector replacements, see sheets U-4, U-6, U-7, U-10, U-11, U-13, U-15, U-16, U-17, U-19, U-20, U-23, and U-26.

- \*For additional L.E.D. Pedestrian Signal Retrofit see Electrical Plans
- \*\*L.E.D. Pedestrian Countdown Signal Module Replacement to Use Existing Pedestrian Signal Housing

**TRAFFIC SIGNAL LEGEND**

-  Temporary Microwave Detector
-  Existing Traffic Signal Pole
-  New L.E.D. Pedestrian Countdown Signal Module
-  New Loop Detectors. See Details on Sheet No. E-78.

SURVEY PLOTTED BY	DATE
DRAWN BY	
NOTE BOOK DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

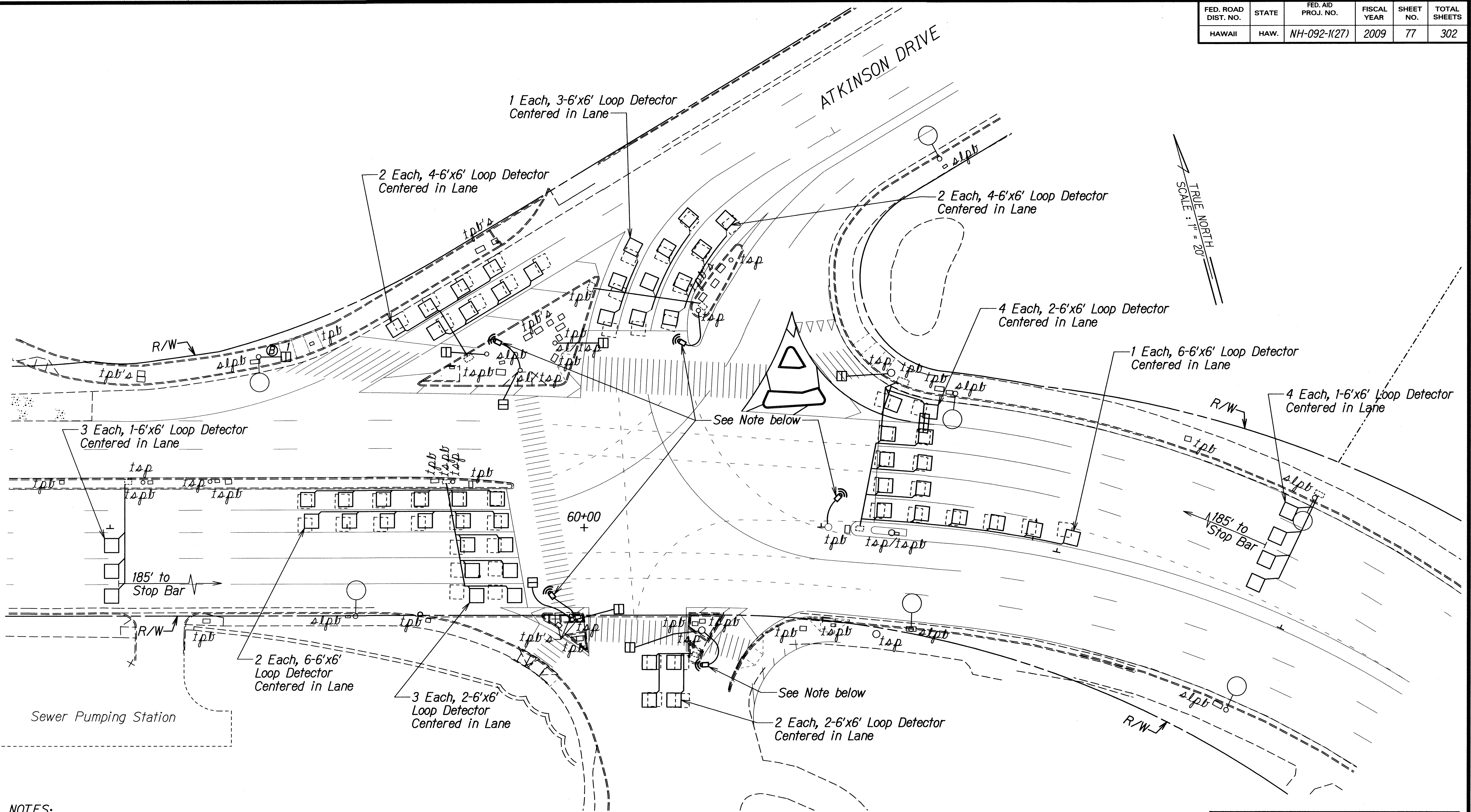
**LOOP DETECTOR PLAN**

**NIMITZ HIGHWAY AND  
ALA MOANA BOULEVARD RESURFACING  
AND HIGHWAY LIGHTING REPLACEMENT**  
Federal Aid Project No. NH-092-1(27)

Scale: 1" = 20' Date: Jan, 2009

SHEET No. 76 OF 20 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-092-1(27)	2009	77	302



**NOTES:**

1. Install Temporary Microwave Detectors on existing traffic signal pole. Install No. 16, 4 Conductor Cable in existing conduits from detector to controller. The cost of the cable shall be incidental to the cost of the microwave detector.
2. Remove existing pedestrian signal head and replace with new L.E.D. pedestrian countdown signal module.
3. For additional loop detector replacements, see sheets U-4, U-6, U-7, U-10, U-11, U-13, U-15, U-16, U-17, U-19, U-20, U-23, and U-26.

**TRAFFIC SIGNAL LEGEND**

- ⊞ Temporary Microwave Detector
- isp Existing Traffic Signal Pole
- ⊞ New L.E.D. Pedestrian Countdown Signal Module (See Elec. Drawings for Details)
- □ New Loop Detectors. See Details on Sheet No. E-78.

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
DATE	
BY	

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

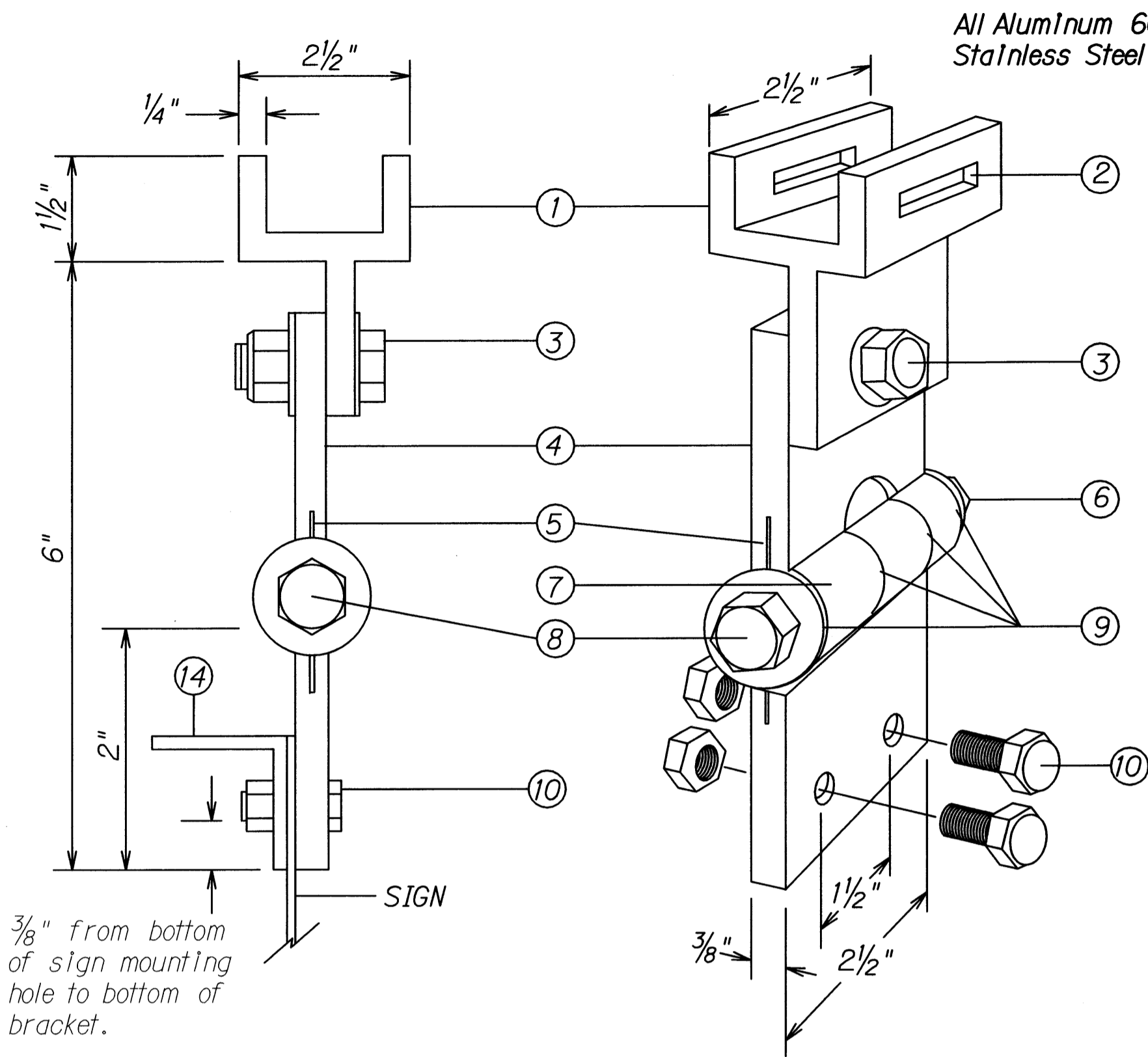
**LOOP DETECTOR PLAN**

**NIMITZ HIGHWAY AND  
ALA MOANA BOULEVARD RESURFACING  
AND HIGHWAY LIGHTING REPLACEMENT  
Federal Aid Project No. NH-092-1(27)**

Scale: 1" = 20'      Date: Jan. 2009

SHEET No. 77 OF 20 SHEETS

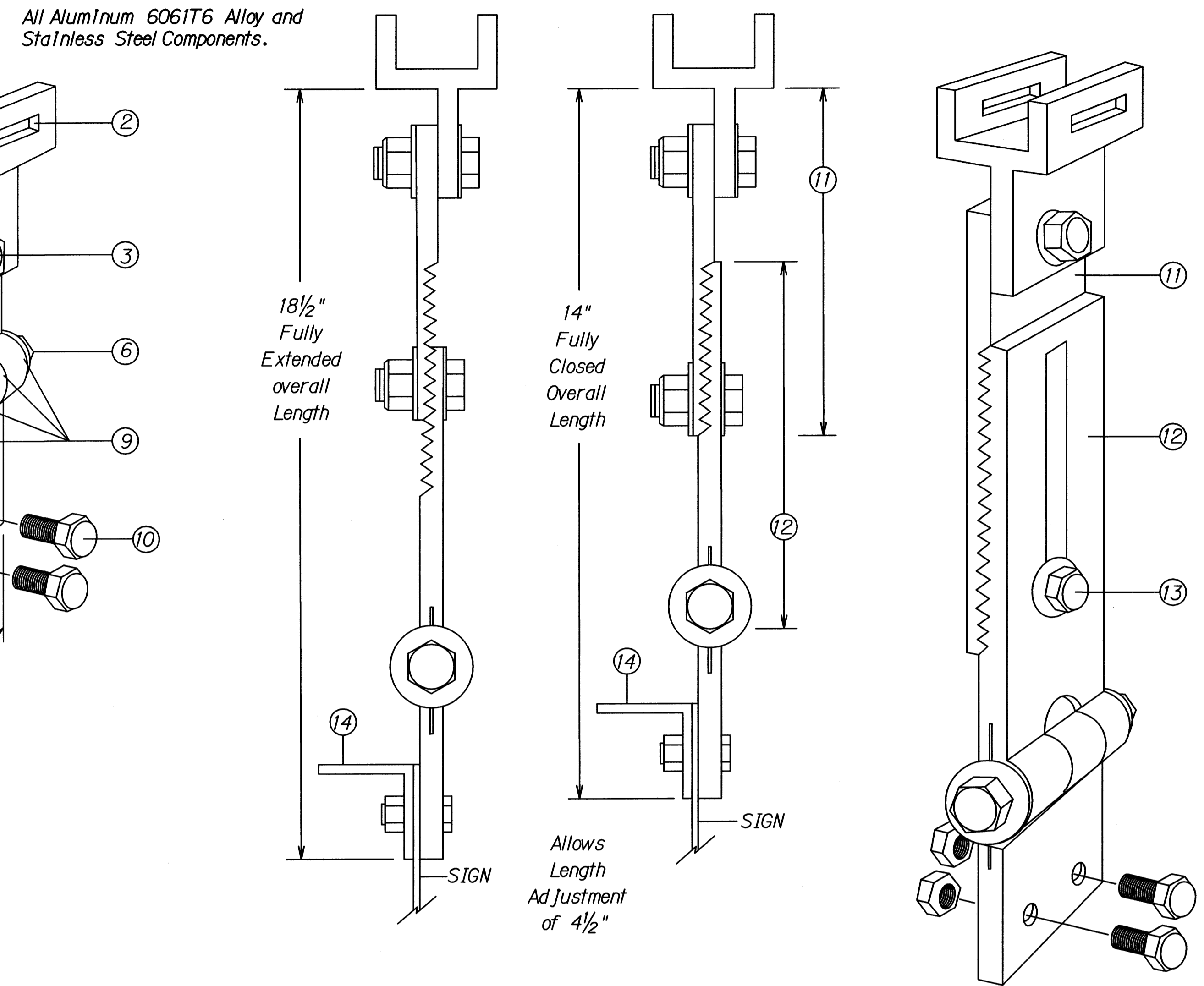
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-092-1(27)	2009	78	302



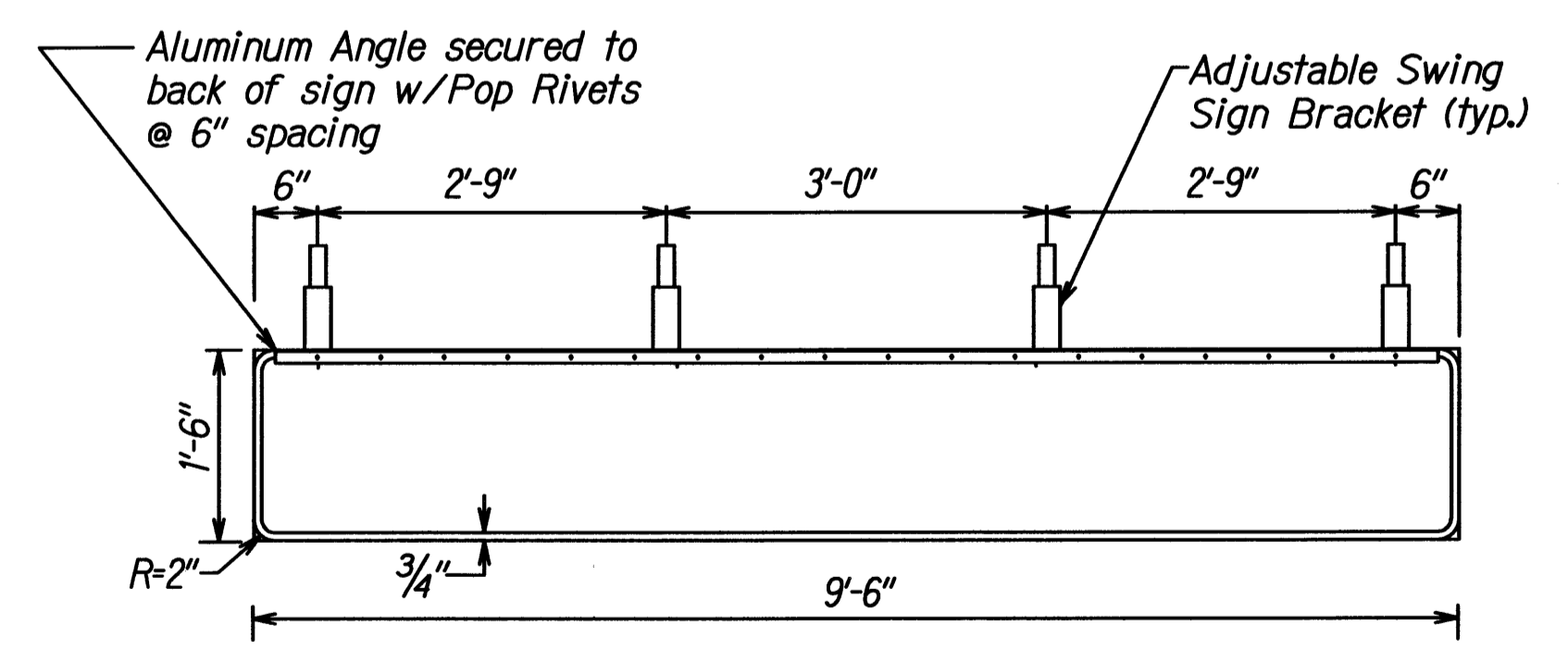
**FIXED LENGTH NON-ADJUSTABLE SWING SIGN BRACKET**

- ① Pivotal Upper Bracket
- ② 1 5/8" x 1/4" Slot for double strapping to electrolier mast arm. (M2G-34S(HD) .030" x 3/4" Heavy Duty Stainless Steel Strap with M2G-34B(HD) Buckle recommended.)
- ③ 1/2" - 13 x 1 1/2" Stainless Steel Hex Head Bolt with Stainless Steel Hex Lock Nut and 1/16" Stainless Steel Washer (both sides). Allows upper bracket to pivot and align with electrolier mast arm.
- ④ 6" Overall drop with Fixed Length Sign Bracket
- ⑤ Stainless Steel Dampener Spring (Removable)
- ⑥ Stainless Steel Hex Lock Nut with 1/16" Stainless Steel Washer
- ⑦ 1" O.D. Axle Housing
- ⑧ 1/2" - 13 x 4" Stainless Steel Hex Head Bolt with 1/16" Stainless Steel Washer
- ⑨ Ollite Bushing
- ⑩ Sign Mounting Sets, consisting of two each 5/16" - 18 x 1" Stainless Steel Hex Head Bolt with Stainless Steel Hex Lock Nut. Two holes on 1/2" centers provide positive lock sign mounting to bracket.
- ⑪ 8 1/4" overall length Upper Adjustable Sign Bracket section
- ⑫ 9" overall length Lower Adjustable Sign Bracket section, including Axle Housing (8" overall length to top of Axle Housing)
- ⑬ 1/2" - 13 x 1 1/2" Stainless Steel Hex Bolt with Stainless Steel Hex Lock Nut and 1/16" Stainless Steel Washers (both sides). Loosen lock nut, adjust bracket teeth to level sign.
- ⑭ 1/4" x 1/4" x 1/8" Aluminum Angle

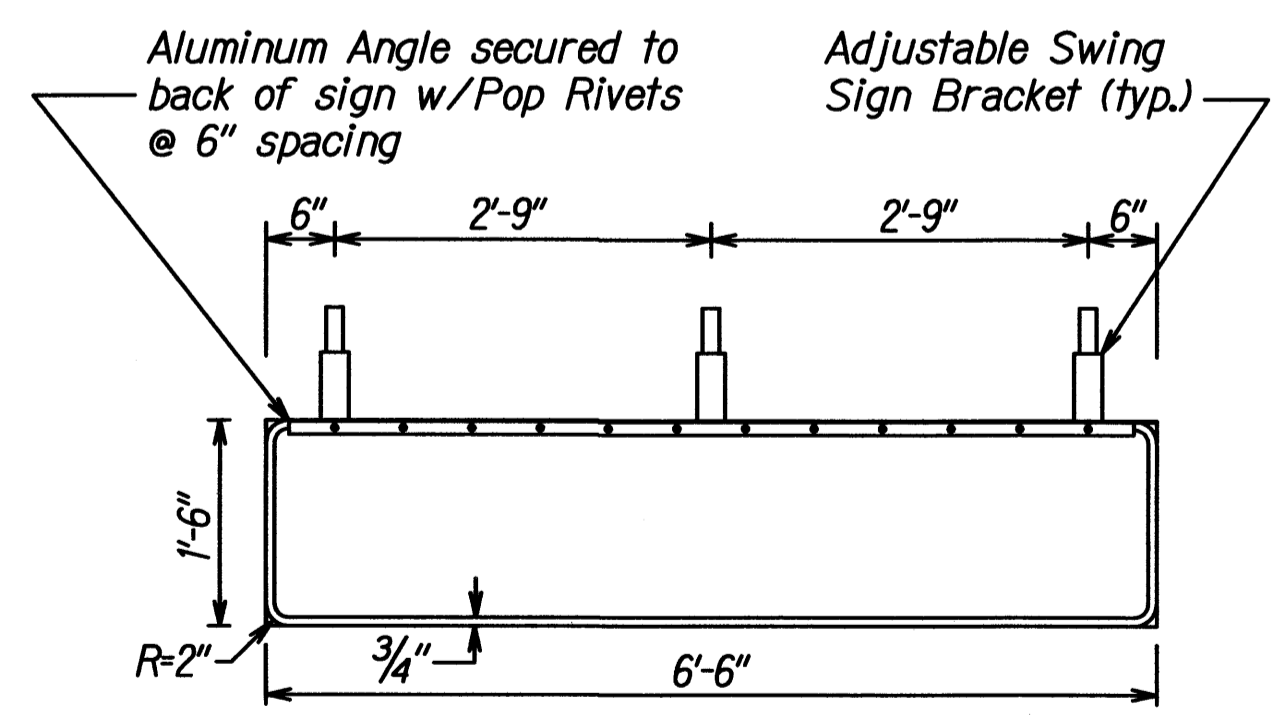
Note: Dimensions may vary slightly.



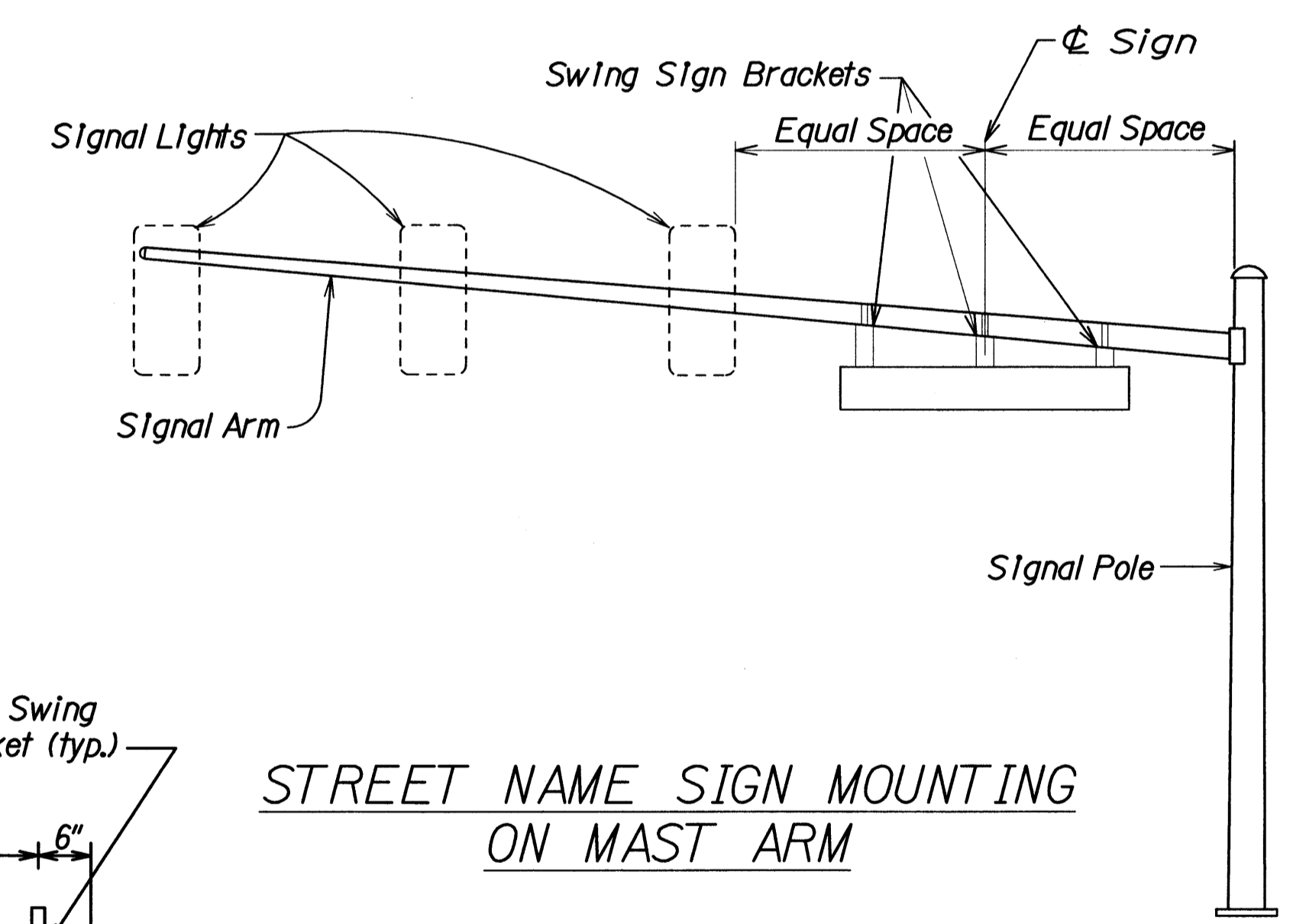
**ADJUSTABLE LENGTH SWING SIGN BRACKET**



**TYPICAL PANEL & SWING BRACKET LAYOUT FOR STREET NAME SIGNS D1-1 TO D1-17**



**STREET NAME SIGN MOUNTING ON MAST ARM**



**NOTES:**

1. Signs D1-1 to D1-17 on plan sheet T-17 shall be a new Street Name Sign. The Contractor shall provide the same message on the front and back side of the sign. Payment will not be made separately but shall be considered as one unit.
2. Colors:  
Legend - White (Reflectorized)  
Background - Green (Reflectorized)
3. All panels shall be reflectorized with Type III or IV retroreflective sheeting in accordance with Section 712.20 of the Standard Specifications.
4. All signs shall conform to section 621 of the Standard Specifications 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"
5. Borders and messages shall conform to details as shown on the plans and as specified in the MUTCD.
6. Sign mounting brackets, aluminum angle, fixtures, fasteners, and all necessary hardware, and equipment, tools, labor, materials and other incidentals for installation, will not be paid for separately but shall be considered incidental to street name sign installation.
7. All panels 7'-0" or less in length shall be installed with three (3) sign mounting brackets. Signs longer than 7'-0" shall have four (4) sign mounting brackets.
8. Diacritical Marks are not authorized.

DATE	4/27/09
SURVEY PLOTTED BY	
DRAWN BY	J. L. ...
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
10/2/09	
N. ...	

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**SWING SIGN BRACKET DETAIL**

**NIMITZ HIGHWAY AND  
ALA MOANA BOULEVARD RESURFACING  
AND HIGHWAY LIGHTING REPLACEMENT  
Federal Aid Project No. NH-092-1(27)**

Scale: As Noted      Date: Jan. 2009

SHEET No. T14 OF 20 SHEETS

TRAFFIC SIGNAL LOCATION							MISCELLANEOUS WORK				
ROUTE	M.P.	JUNCTION	LEFT APPROACH	THRU ROAD	RIGHT APPROACH	TYPE	NEW L.E.D. COUNTDOWN PEDESTRIAN SIGNAL MODULE**	NEW SIGNAL HEAD W/ BACK PLATE ***			
								W/B		E/B	
							PV	REGULAR	PV	REGULAR	
92	6.30		FORT ST	NIMITZ HWY	FORT ST/PIER 10	INTERSECTION	-	1	0	0	1
92	6.38		BISHOP ST	NIMITZ HWY	BISHOP ST	INTERSECTION	-	2	0	0	0
92	6.44		ALAKEA ST	NIMITZ HWY	-	INTERSECTION	-	0	2	0	0
92	6.50		RICHARDS ST/HALEKAUWILA ST	NIMITZ HWY	RICHARDS ST	INTERSECTION	-	0	2	0	2
92	6.78		PUNCHBOWL ST	ALA MOANA BLVD	-	INTERSECTION	-	2	0	0	2
92	6.82		-	ALA MOANA BLVD	CHANNEL ST	INTERSECTION	-	1	2	1	2
92	6.92		SOUTH ST	ALA MOANA BLVD	FORREST AVE/PIERS 1 & 2	INTERSECTION	-	0	2	1	2
92	7.02		KEAWE ST	ALA MOANA BLVD	KEAWE ST	INTERSECTION	-	1	2	1	2
92	7.10		CORAL ST	ALA MOANA BLVD	CORAL ST	INTERSECTION	-	1	2	1	2
92	7.17		COOKE ST	ALA MOANA BLVD	COOKE ST	INTERSECTION	-	1	2	1	2
92	7.24		KOULA ST	ALA MOANA BLVD	KOULA ST	INTERSECTION	-	1	2	1	2
92	7.40		WARD AVE	ALA MOANA BLVD	ILALO ST	INTERSECTION	-	1	2	1	3
92	7.61		-	ALA MOANA BLVD	KEWALO BASIN PARK DR	INTERSECTION	-	2	0	0	3
92	7.67		KAMAKEE ST	ALA MOANA BLVD	ALA MOANA PARK DR	INTERSECTION	-	0	2	0	2
92	7.91		QUEEN ST	ALA MOANA BLVD	-	INTERSECTION	-	0	2	0	2
92	8.10		PIIKOI ST	ALA MOANA BLVD	-	INTERSECTION	-	0	3	0	2
92	8.25		ALA MOANA SHOPPING CTR #1	ALA MOANA BLVD	-	INTERSECTION	6	0	2	0	2
92	8.41		ALA MOANA SHOPPING CTR #2	ALA MOANA BLVD	-	INTERSECTION	6	0	3	0	3
92	8.54		ATKINSON DR	ALA MOANA BLVD	ALA MOANA PARK DR	INTERSECTION	8	0	3	0	3

\*\* REMOVE EXISTING PEDESTRIAN SIGNAL HEAD & INSTALL NEW L.E.D. PEDESTRIAN COUNTDOWN SIGNAL MODULE, AND FOR ADDITIONAL L.E.D. PEDESTRIAN SIGNAL RETROFIT SEE ELECTRICAL PLANS

\*\*\* REMOVE EXISTING EAST & WEST-FACING MAST-ARM MOUNTED TRAFFIC SIGNAL HEADS & INSTALL NEW TRAFFIC SIGNAL HEADS W/ BACK PLATE ON EAST & WEST-FACING MAST-ARM ON NIMITZ HIGHWAY/ALA MOANA BOULEVARD (ROUTE 92) FROM M.P. 6.30 TO M.P. 8.54

ABBREVIATION  
 EB EASTBOUND  
 WB WESTBOUND  
 MP MILE POST, APPROXIMATE ONLY

TRAFFIC SIGNAL LOCATION										DESCRIPTION							RETROFIT LED OPTICAL UNIT QUANTITIES							MISCELLANEOUS WORK		
ROUTE	M.P.	JUNCTION	LEFT APPROACH	THRU ROAD	RIGHT APPROACH	TYPE	FUNCTION	NOTES	SIZE	RED BALL	RED ARROW	YELLOW BALL	* YELLOW ARROW	GREEN BALL	GREEN ARROW	GREEN YELLOW ARROW	**** PV LENS QUANTITY	SALVAGE LED QUANTITY	OTHERS							
92	6.30		FORT ST	NIMITZ	FORT/PIER 10	INTERSECTION			12"	8	0	6	2	2	6	0	0	0								
92	6.38		BISHOP ST	NIMITZ	BISHOP ST	INTERSECTION			12"	13	0	11	2	6	7	0	0	6								
92	6.44		ALAKEA ST	NIMITZ	-	INTERSECTION			12"	4	0	3	1	1	3	0	1	0								

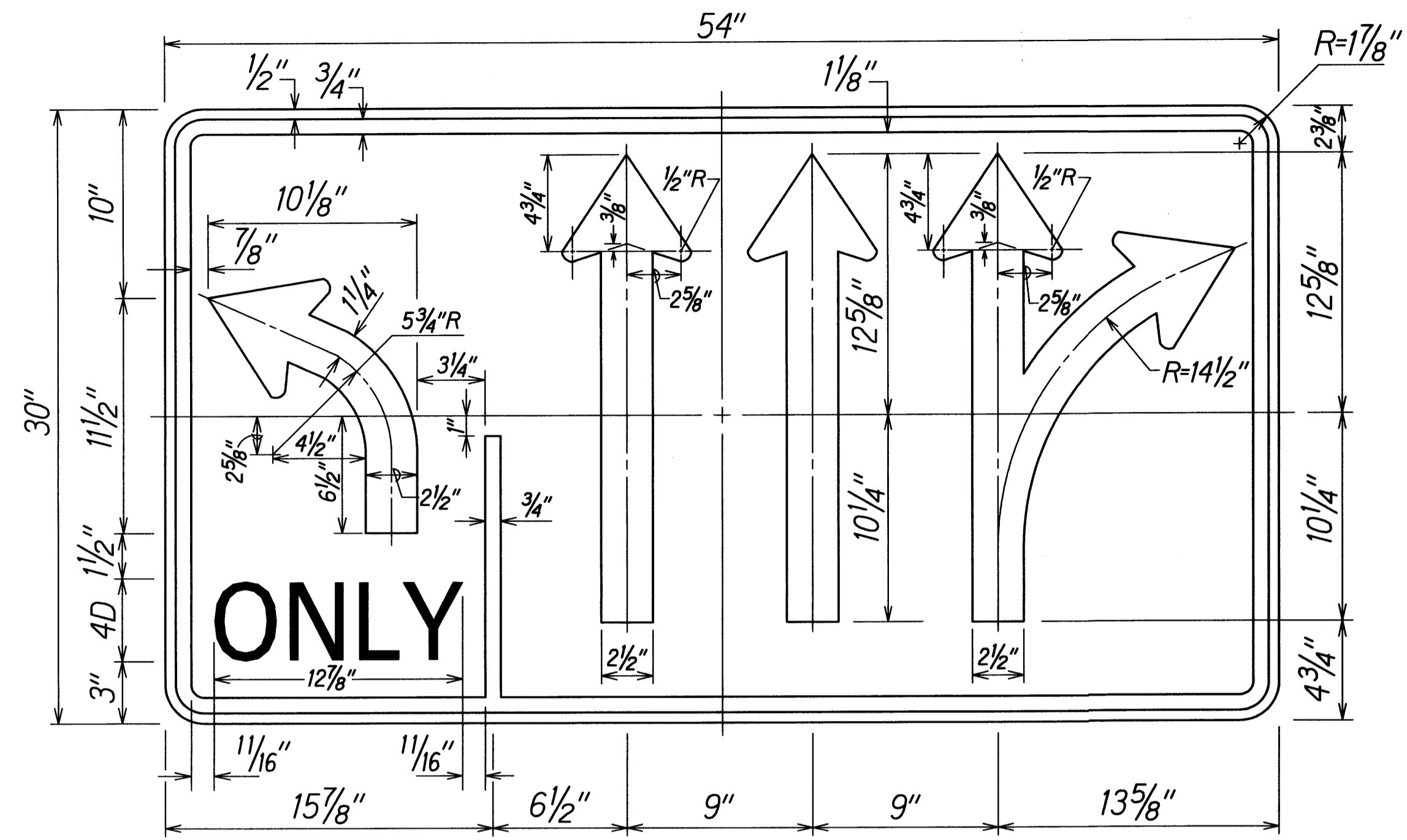
\* - YELLOW ARROW TO REPLACE EXISTING CIRCULAR YELLOW INDICATION (ORIENTED SAME AS EXISTING GREEN ARROW)  
 \*\*\*\* - INSTALL YELLOW ARROW (ORIENTED SAME AS EXISTING GREEN ARROW) UNLESS OTHERWISE NOTED

ABBREVIATION  
 EB EASTBOUND  
 I W/FLASHER INTERSECTION WITH FLASHER(S)  
 IC INTERCHANGE  
 MP MILE POST, APPROXIMATE ONLY  
 NB NORTHBOUND  
 NIC NOT IN CONTRACT  
 OFF-R OFF RAMP  
 ON-R ON RAMP  
 OP OVERPASS  
 PH2 PHASE 2, NOT IN CONTRACT  
 PV PROGRAMMABLE VISIBILITY  
 SB SOUTHBOUND  
 SCHOOL/SPD LMT SCHOOL/SPEED LIMIT  
 SPC SPECIAL  
 UP UNDERPASS  
 WB WESTBOUND

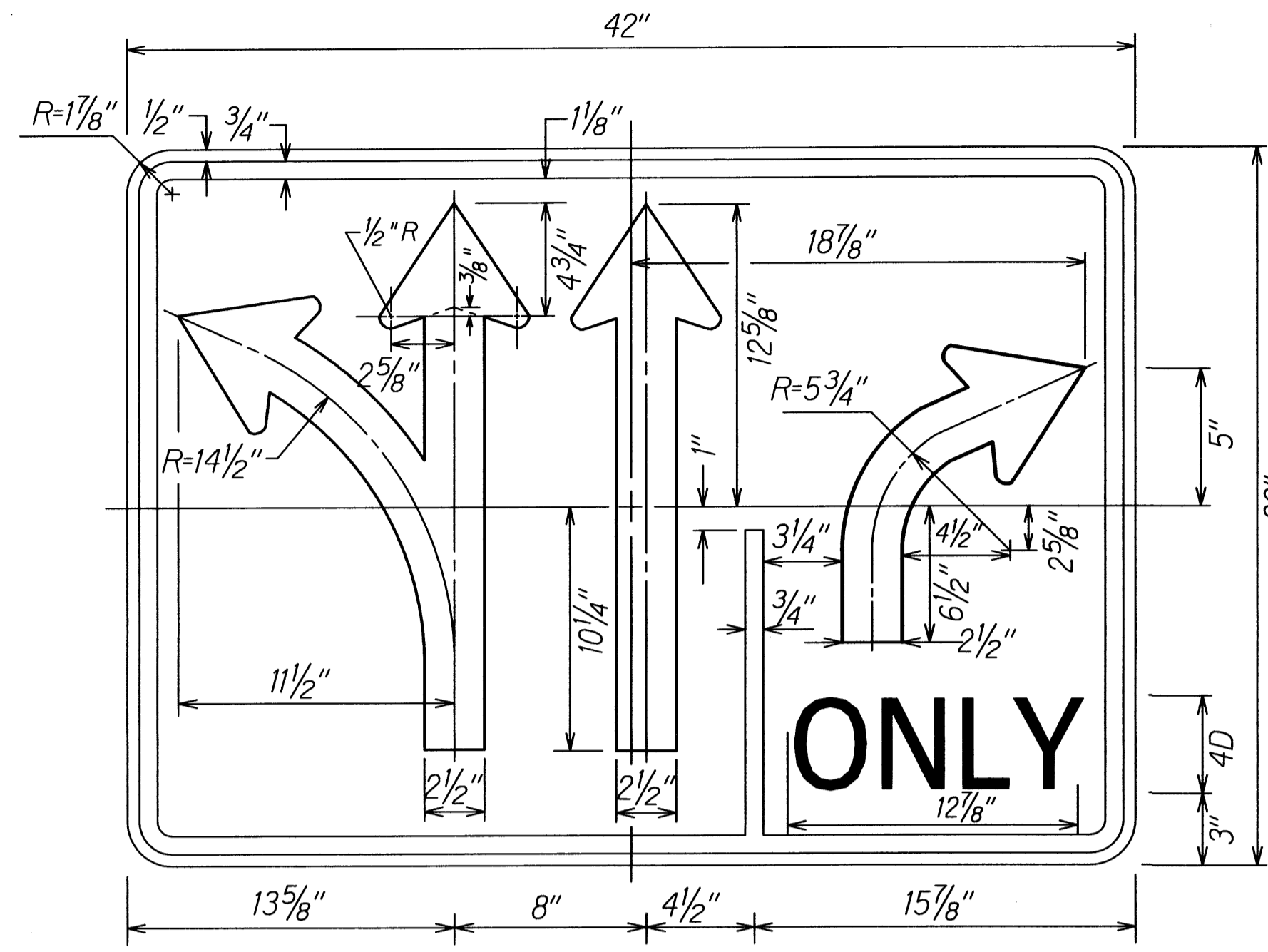
SURVEY PLOTTED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 DRAWN BY: \_\_\_\_\_  
 DESIGNED BY: \_\_\_\_\_  
 QUANTITIES BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 ORIGINAL PLAN: \_\_\_\_\_  
 NOTE BOOK: 102/mj  
 N. Salmassi

STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION  
**SCHEDULE**  
**NIMITZ HIGHWAY AND**  
**ALA MOANA BOULEVARD RESURFACING**  
**AND HIGHWAY LIGHTING REPLACEMENT.**  
 Federal Aid Project No. NH-092-1(27)  
 Scale: As Noted Date: Jan. 2009

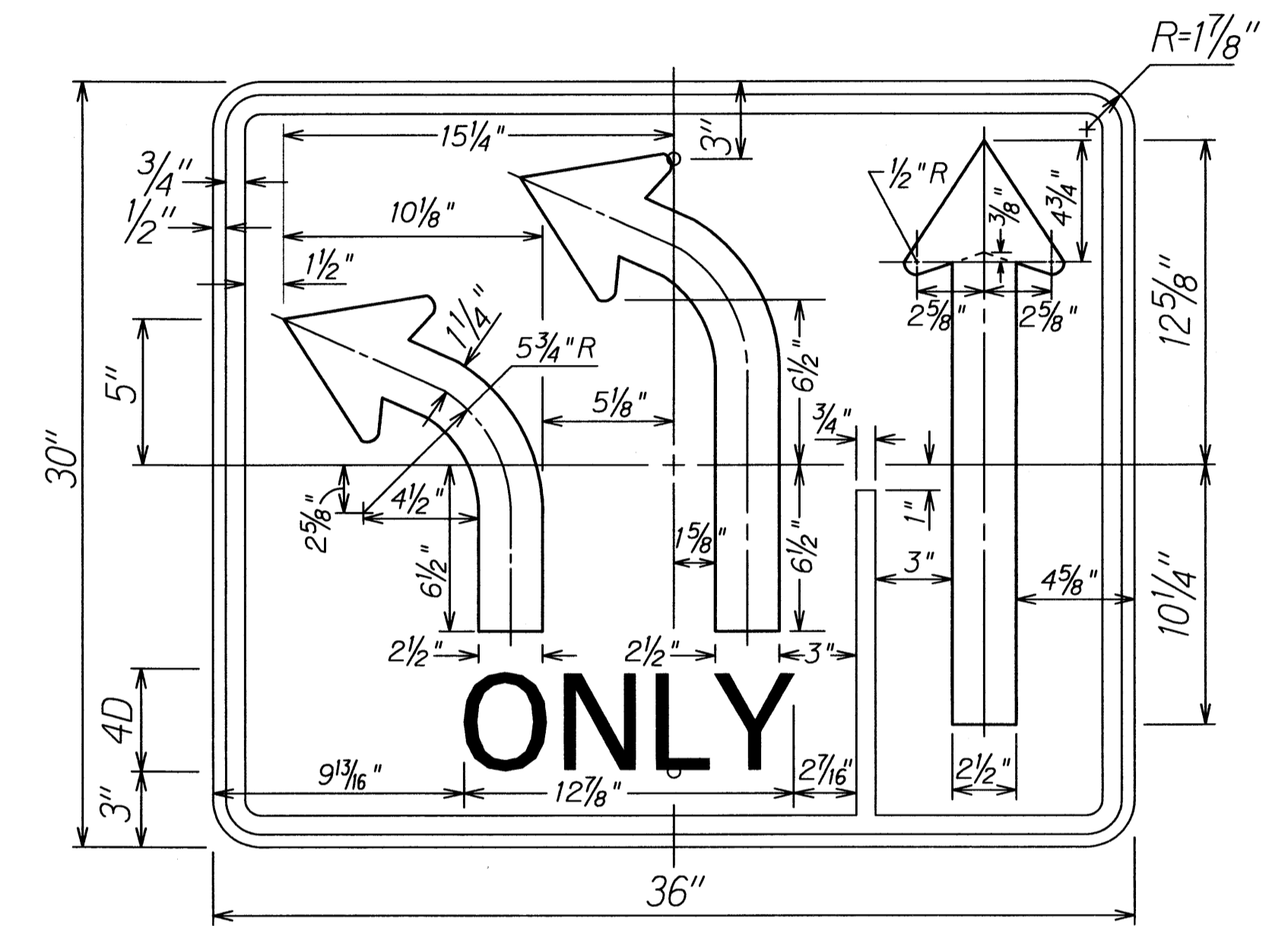
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-092-1(27)	2009	80	302



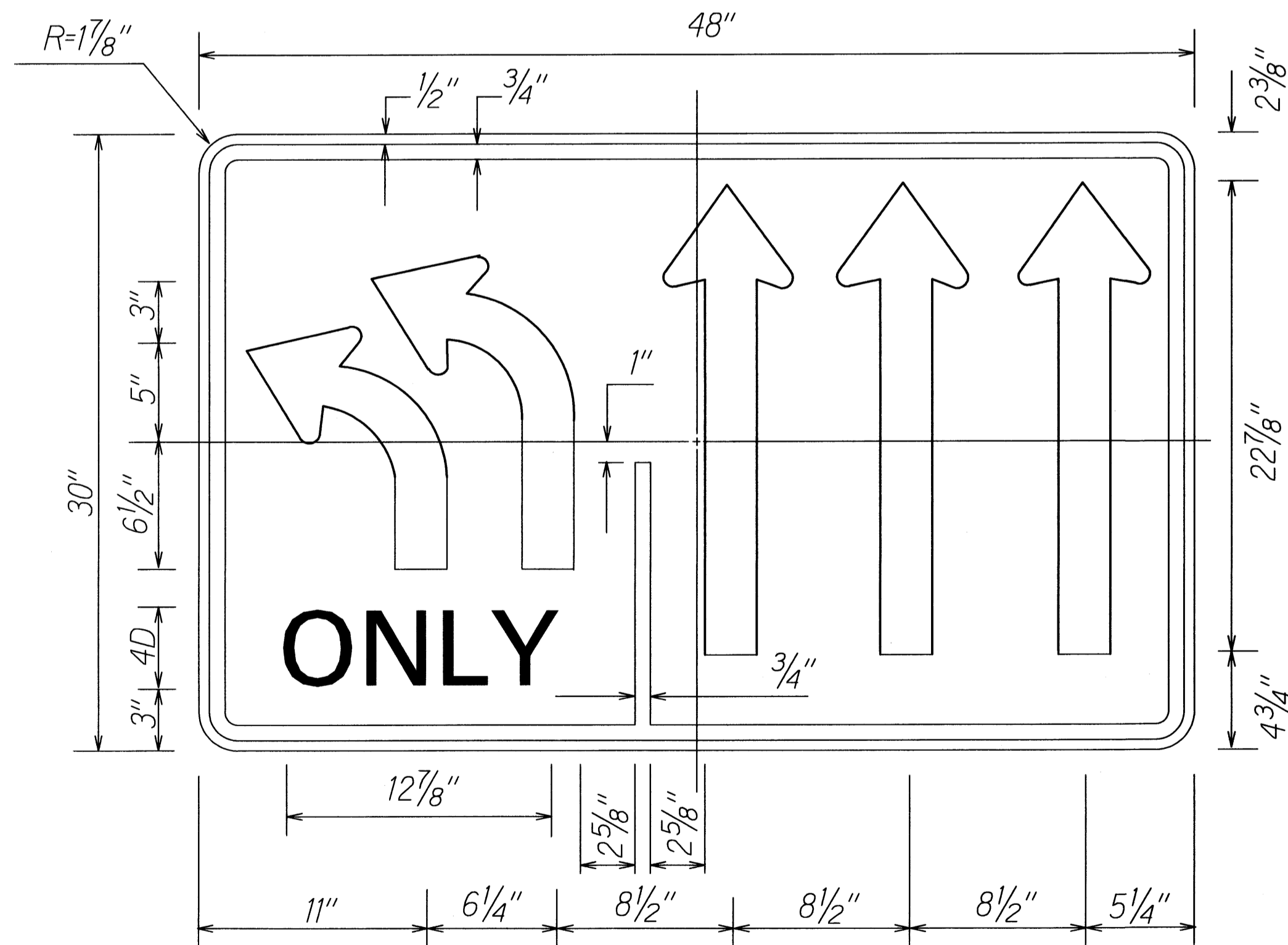
**R3-9(L)**  
Colors: Black on White



**R3-13M**  
Colors: Black on White



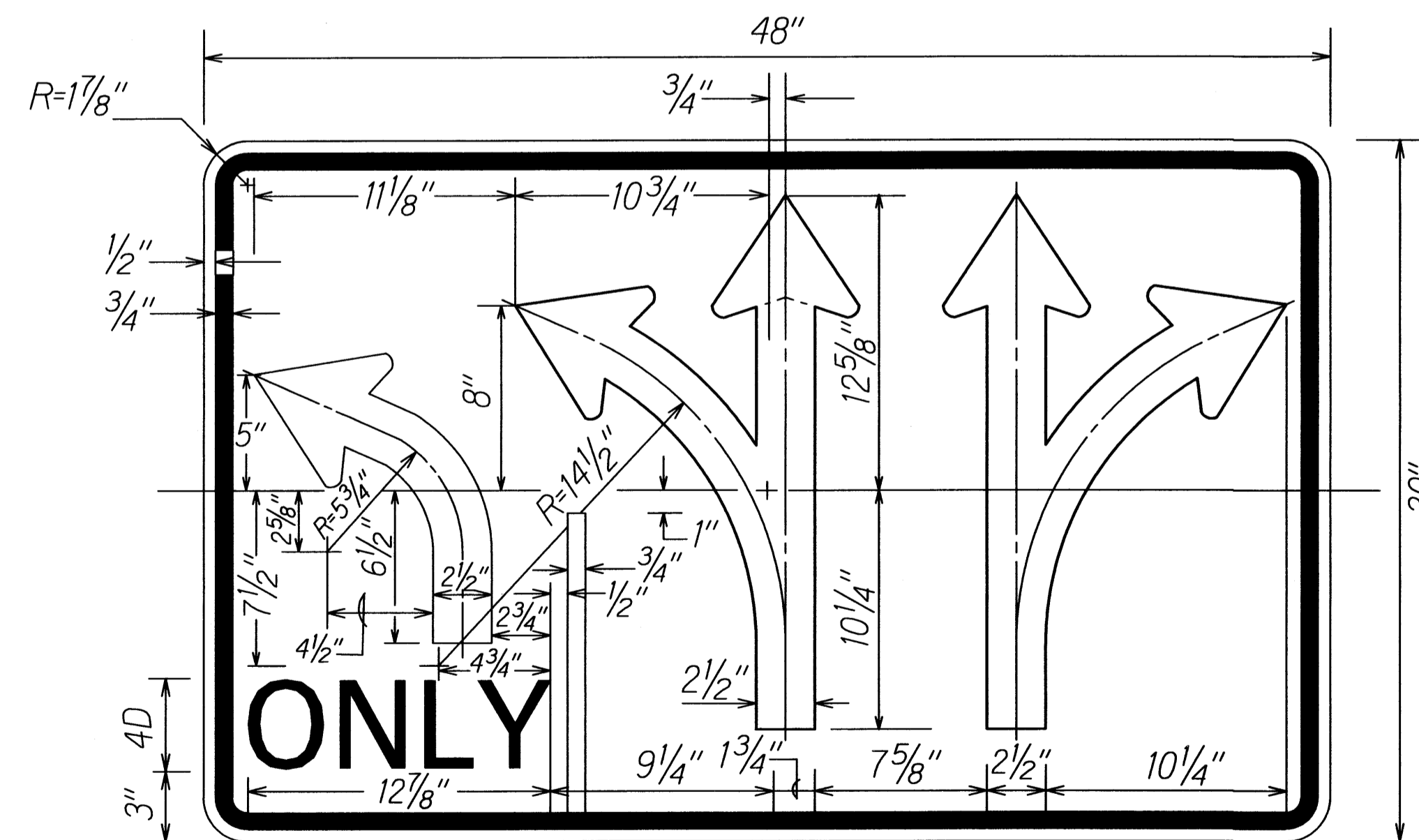
**R3-27A(L)**  
Colors: Black on White



NOTE:

- Sign R3-23(L) is a variation of Sign R3-8. Plate and arrow details shall conform to Sign R3-8.

**R3-23(L)**  
Colors: Black on White



Sign R3-47 is a variation of Sign R3-8.  
Plate and arrow details shall conform to Sign R3-8.

**R3-47**  
Colors: Black on White

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

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**MISCELLANEOUS SIGN DETAILS**

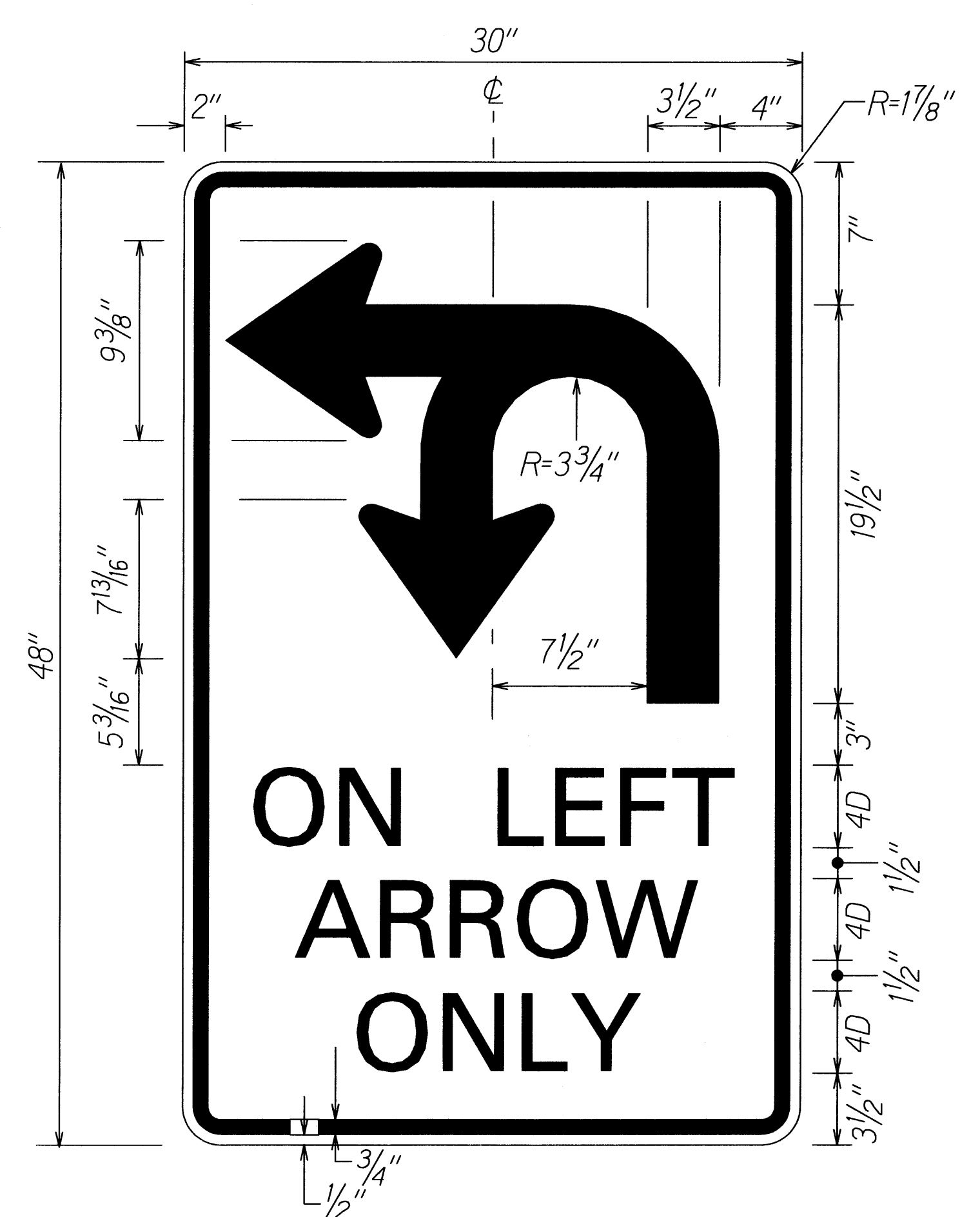
**NIMITZ HIGHWAY AND  
ALA MOANA BOULEVARD RESURFACING  
AND HIGHWAY LIGHTING REPLACEMENT**  
Federal Aid Project No. NH-092-1(27)

Not to Scale Date: Jan. 2009

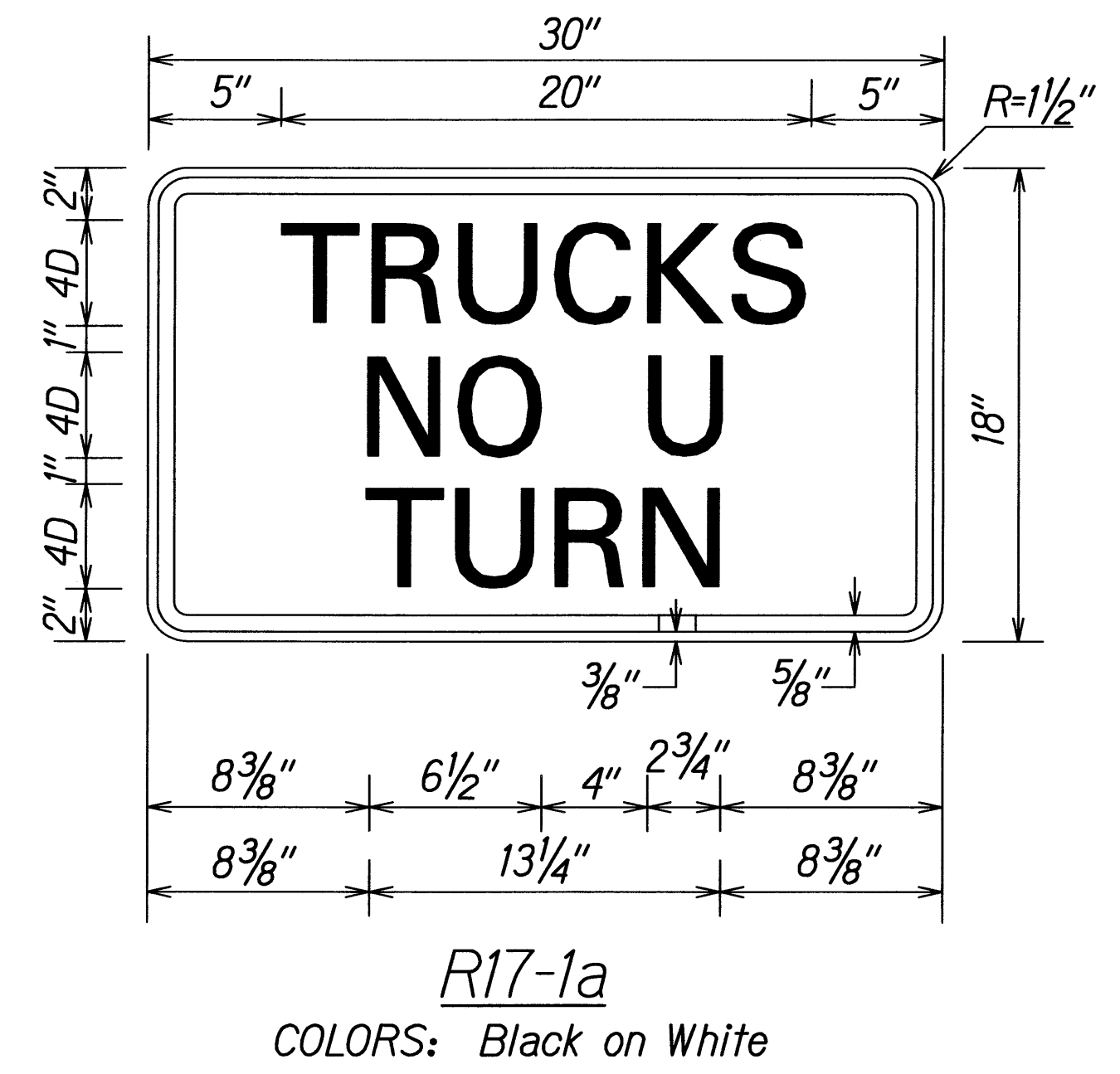
SHEET No. T15 OF 20 SHEETS



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-092-1(27)	2009	82	302



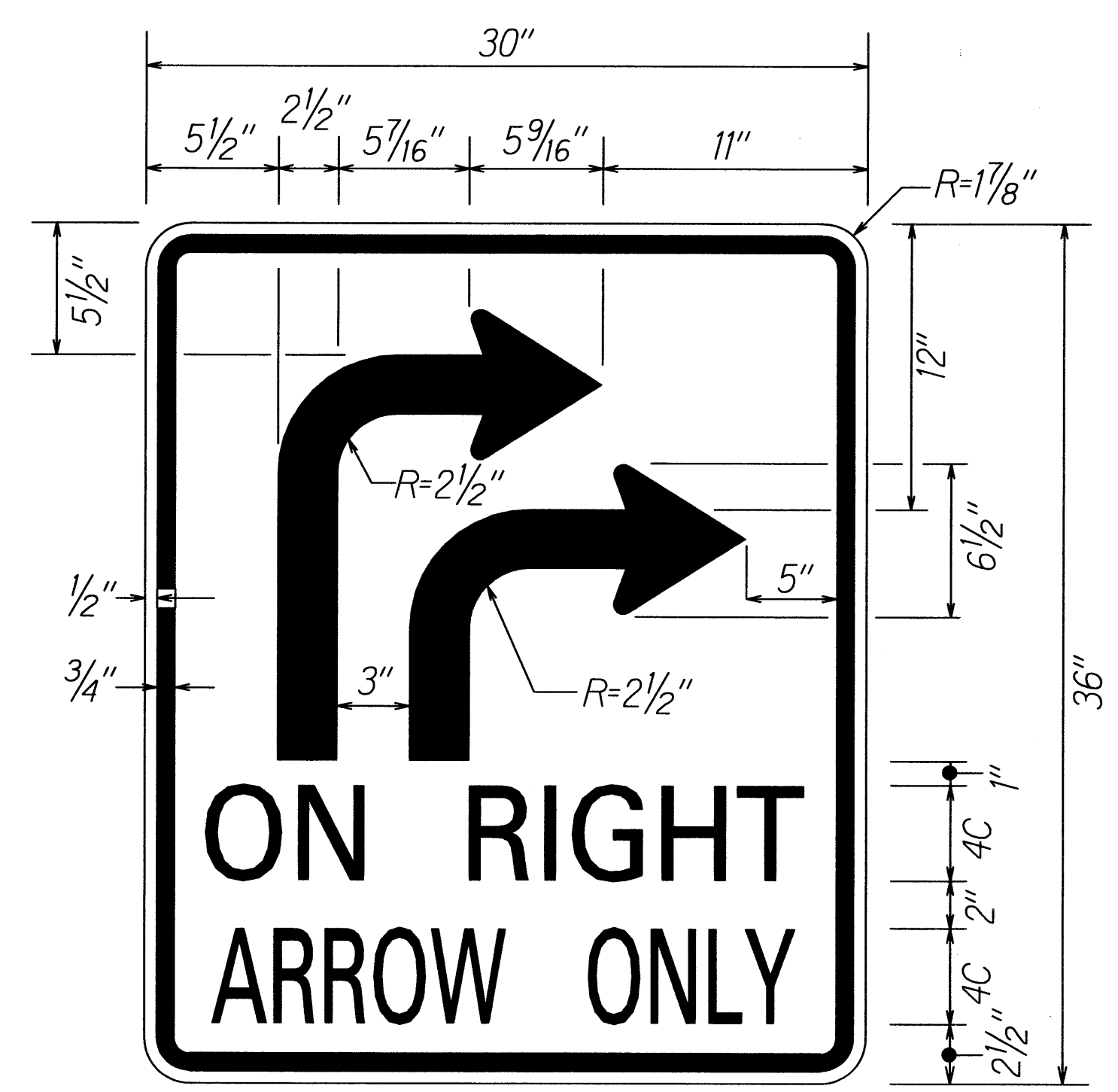
**R17-1**  
Colors: Black on White



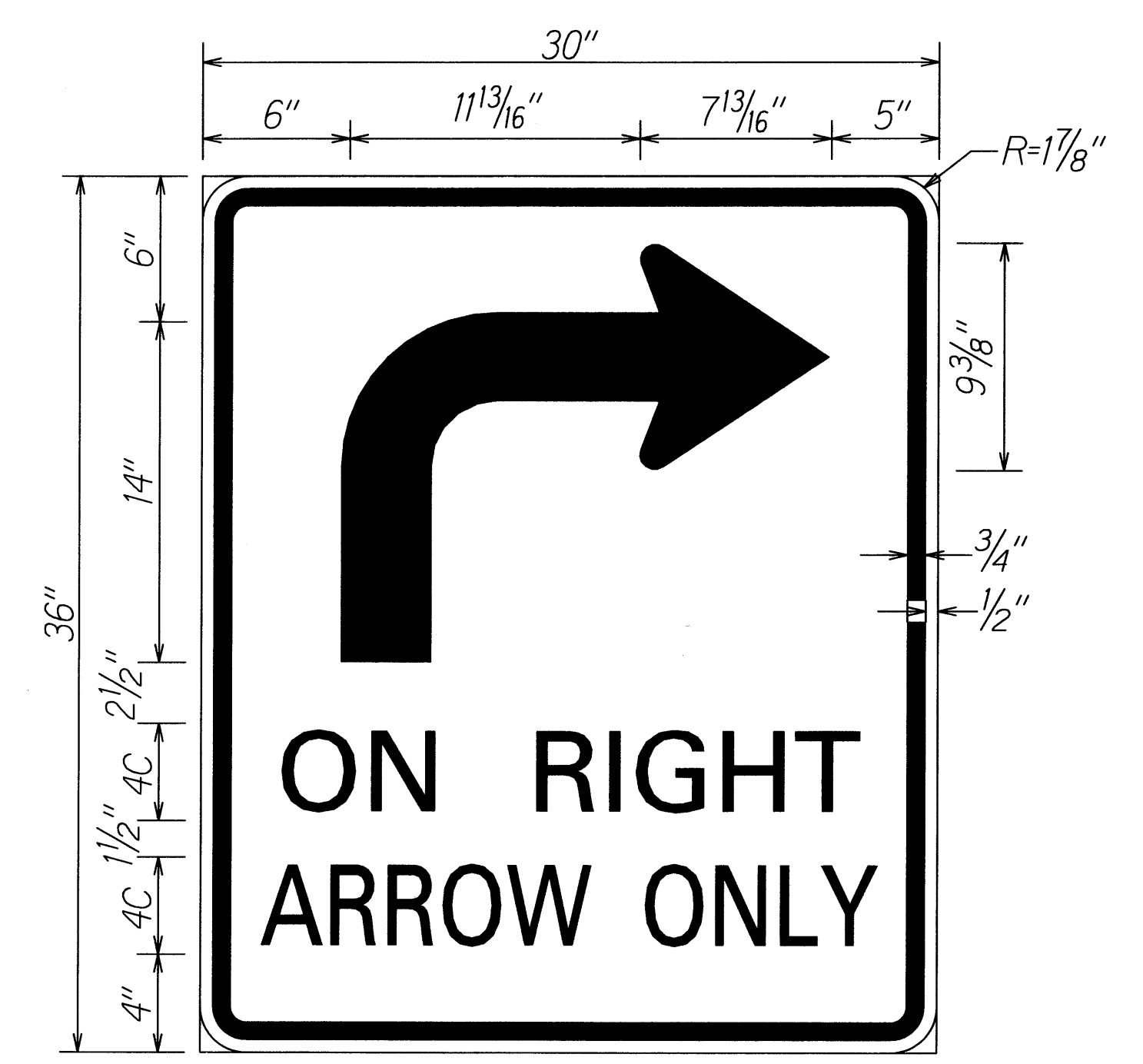
**R17-1a**  
Colors: Black on White



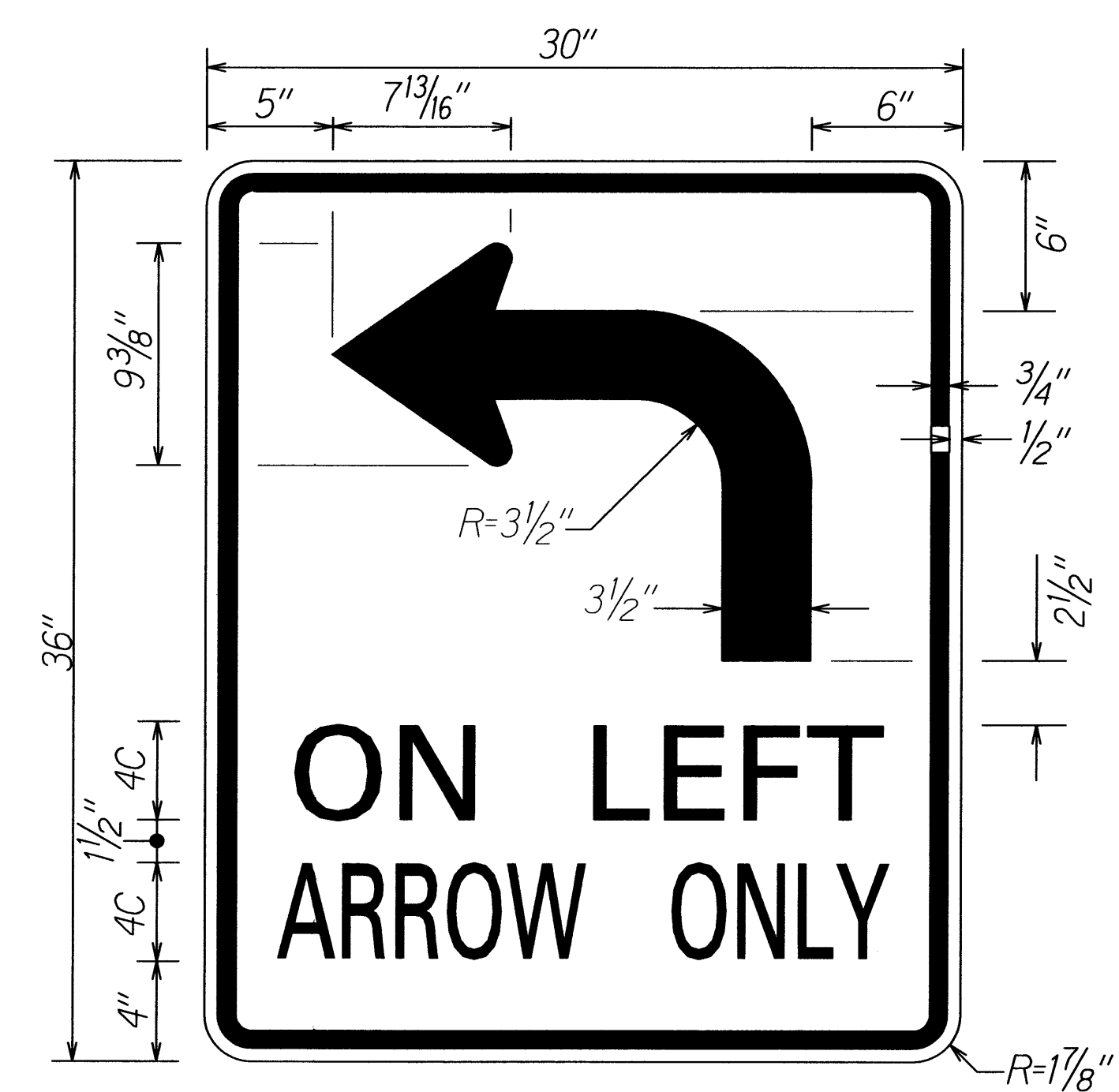
**R17-2**  
Colors: Black on White



**R17-4R**  
Colors: Black on White



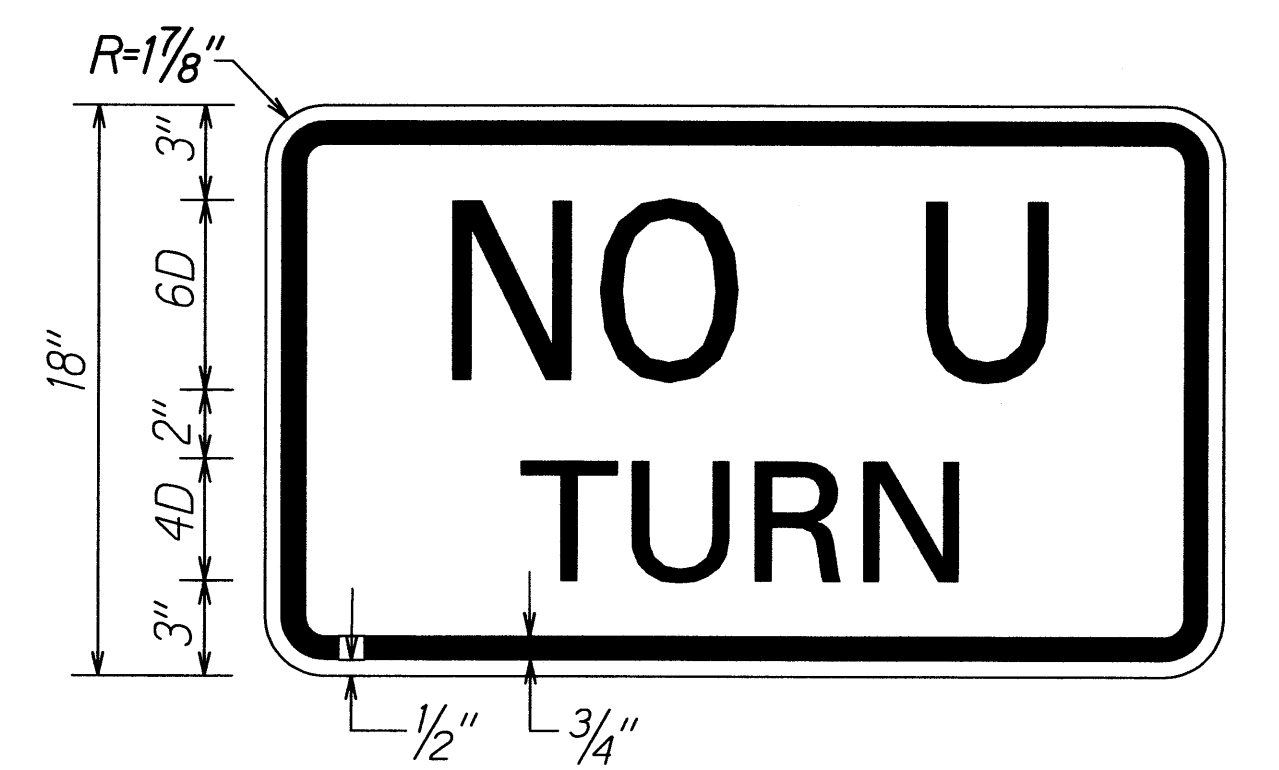
**R17-3A(R)**  
Colors: Black on White



**R17-3**  
Colors: Black on White



**R17-4L**  
Colors: Black on White



ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

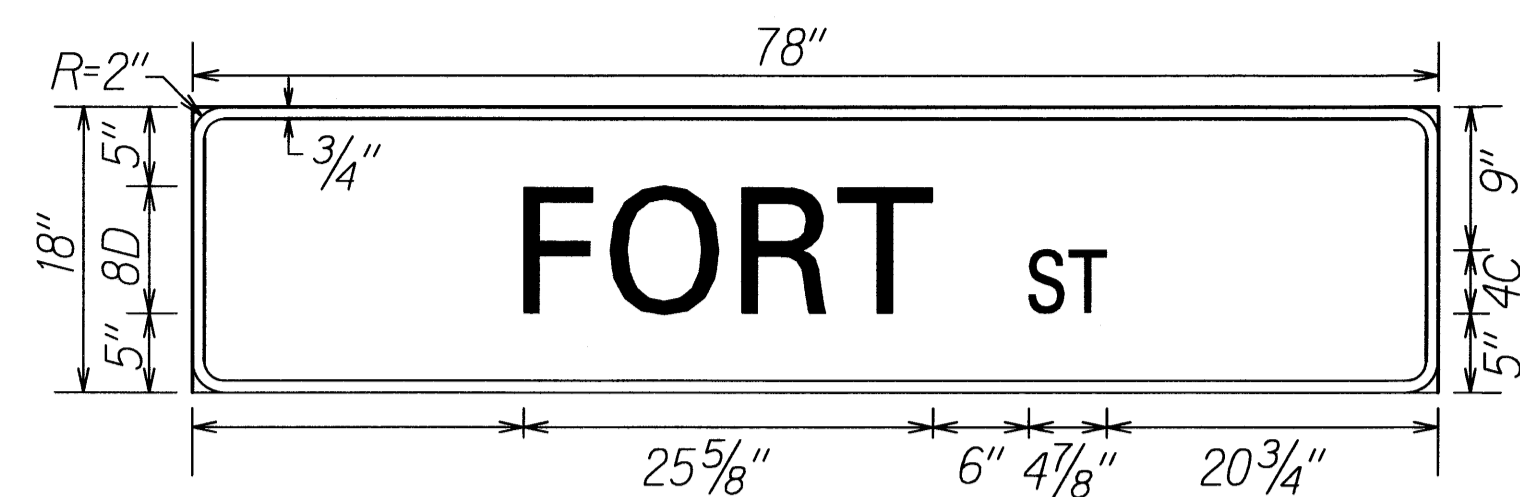
**MISCELLANEOUS SIGN DETAILS**

**NIMITZ HIGHWAY AND  
ALA MOANA BOULEVARD RESURFACING  
AND HIGHWAY LIGHTING REPLACEMENT**  
Federal Aid Project No. NH-092-1(27)

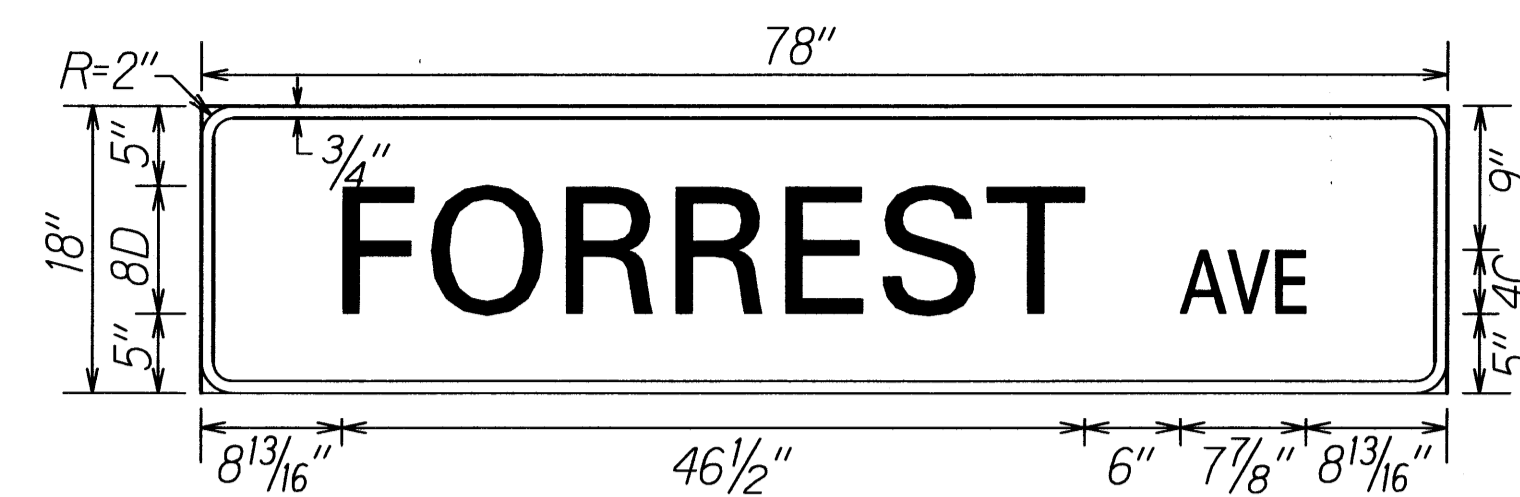
Not to Scale Date: Jan. 2009

SHEET No. 117 OF 20 SHEETS

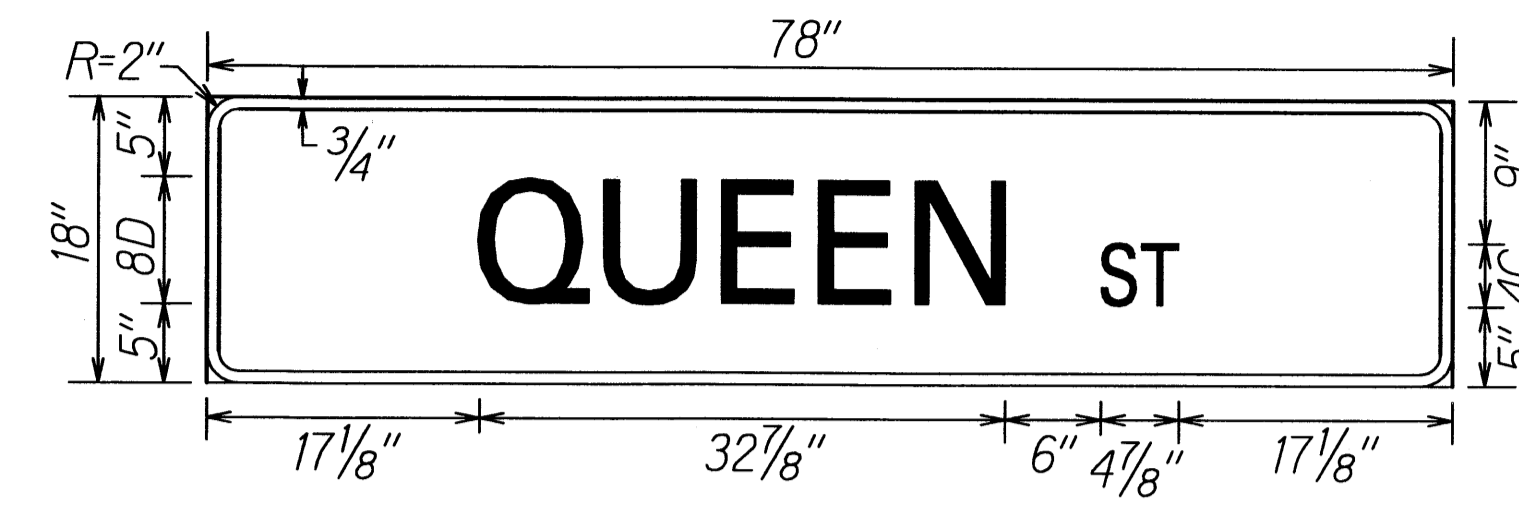
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-092-1(27)	2009	83	302



D1-1



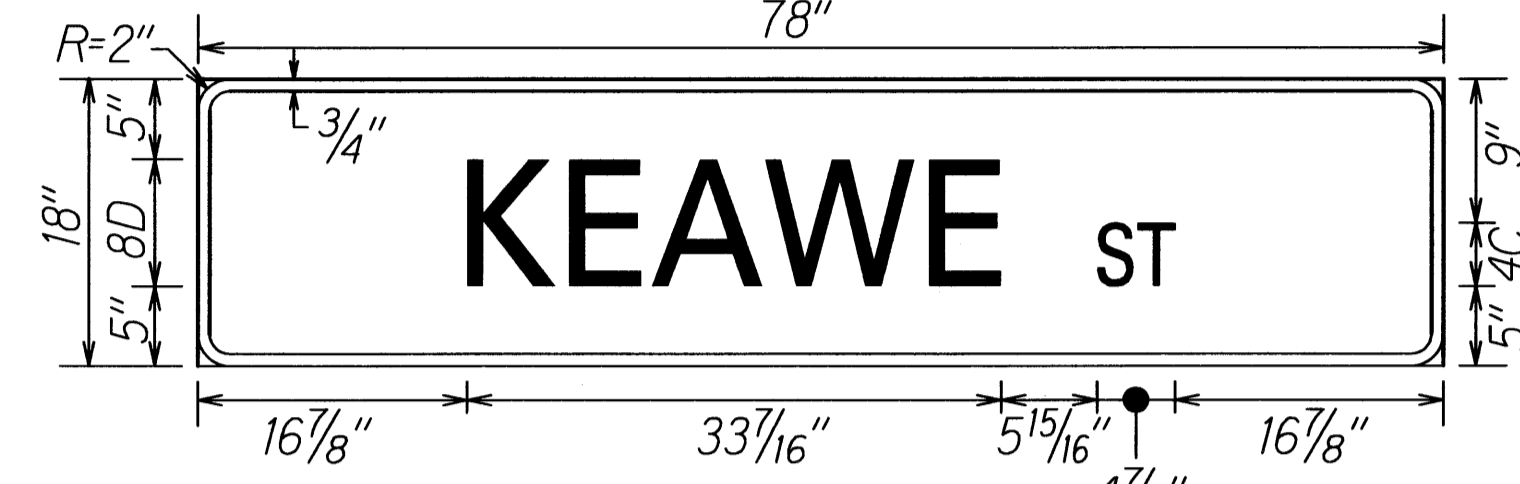
D1-7



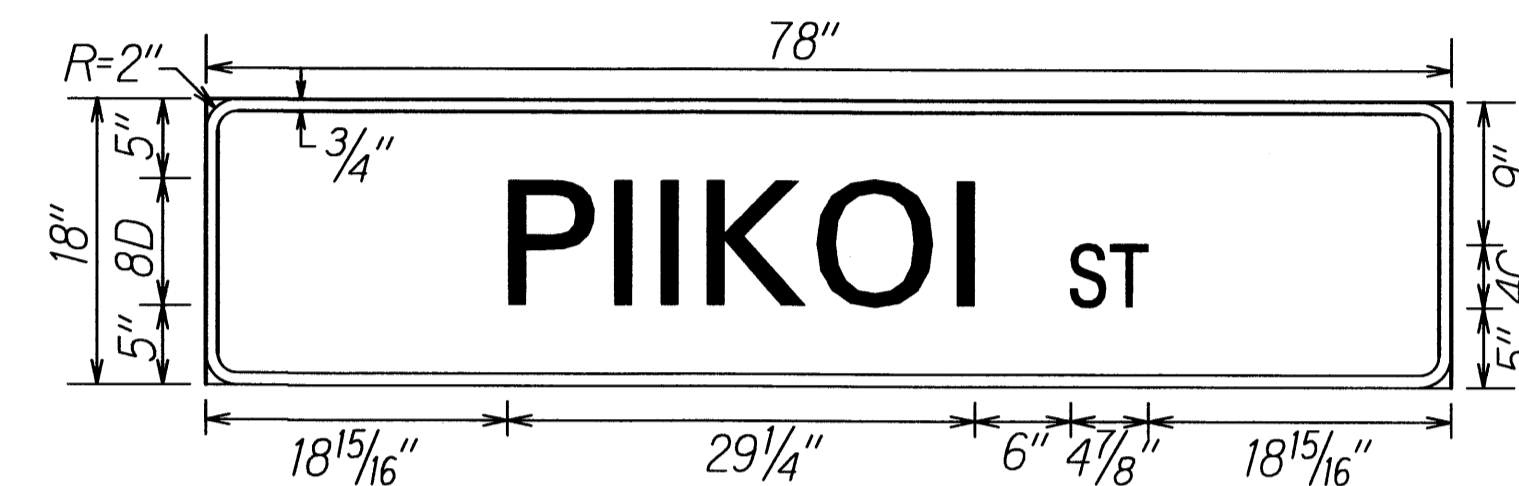
D1-13



D1-2



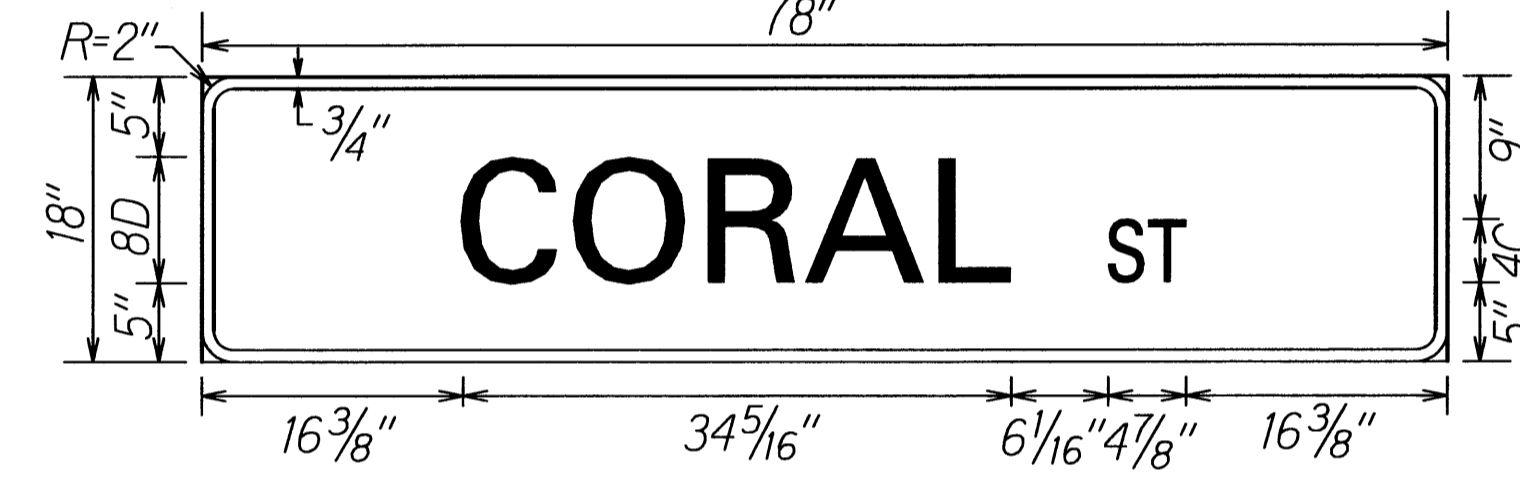
D1-8



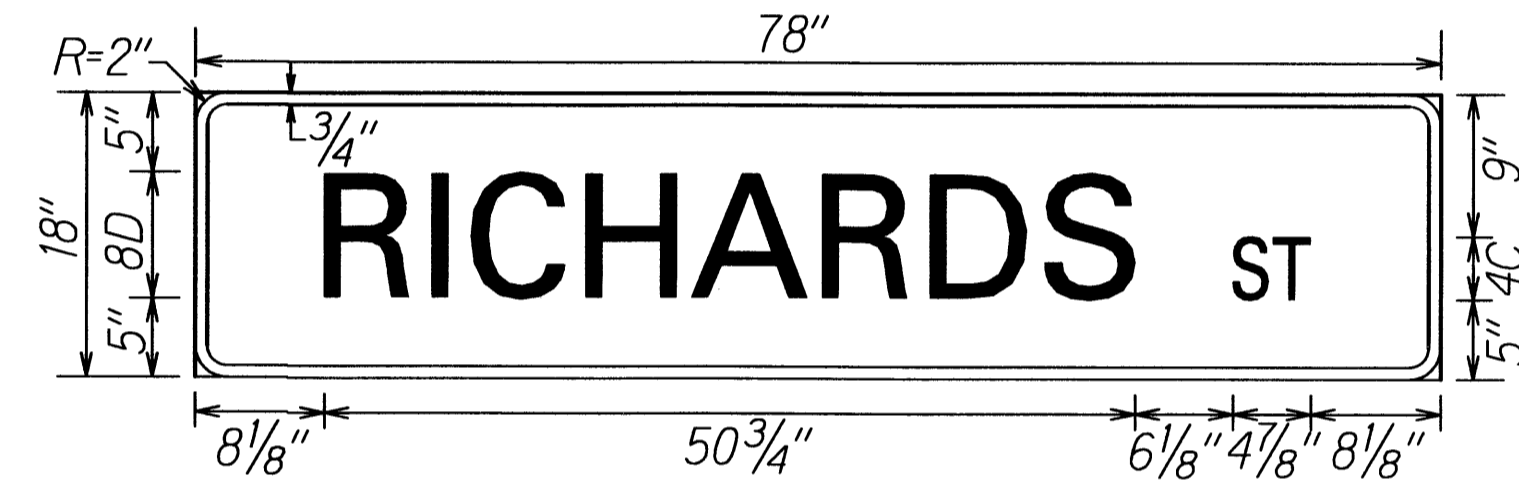
D1-14



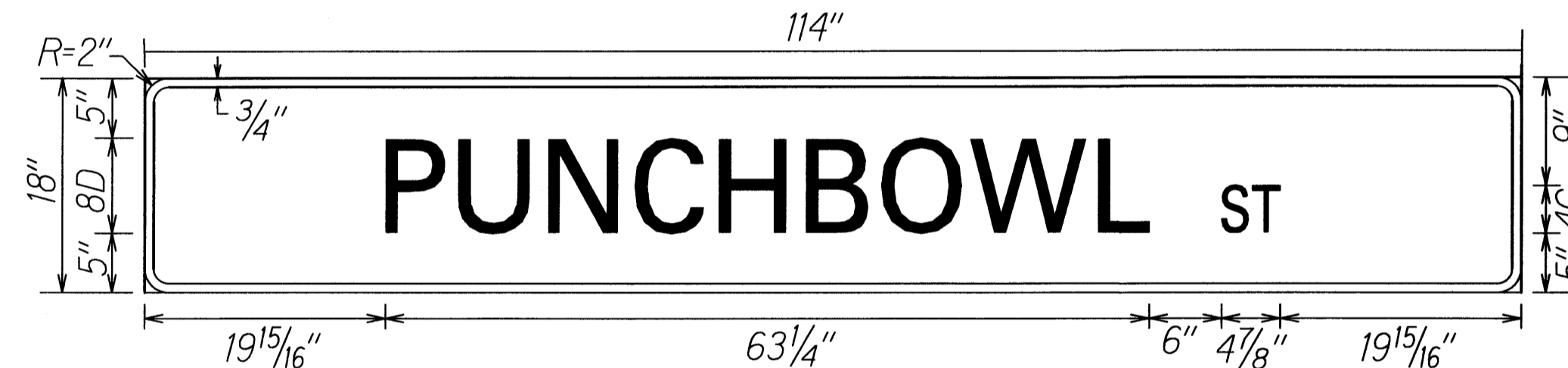
D1-3



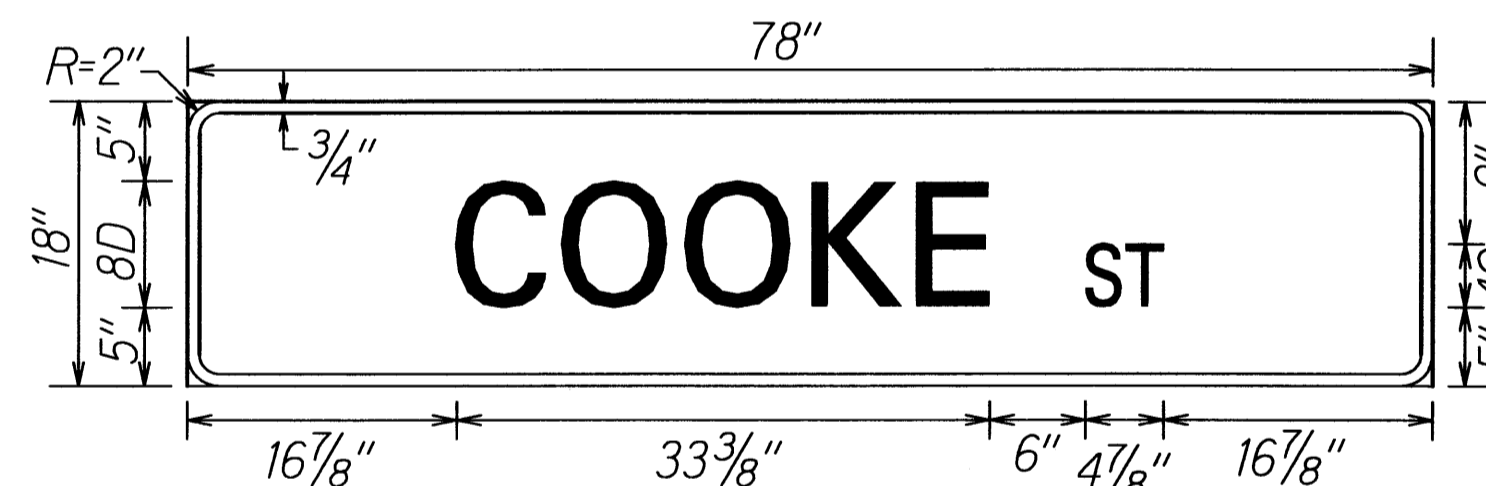
D1-9



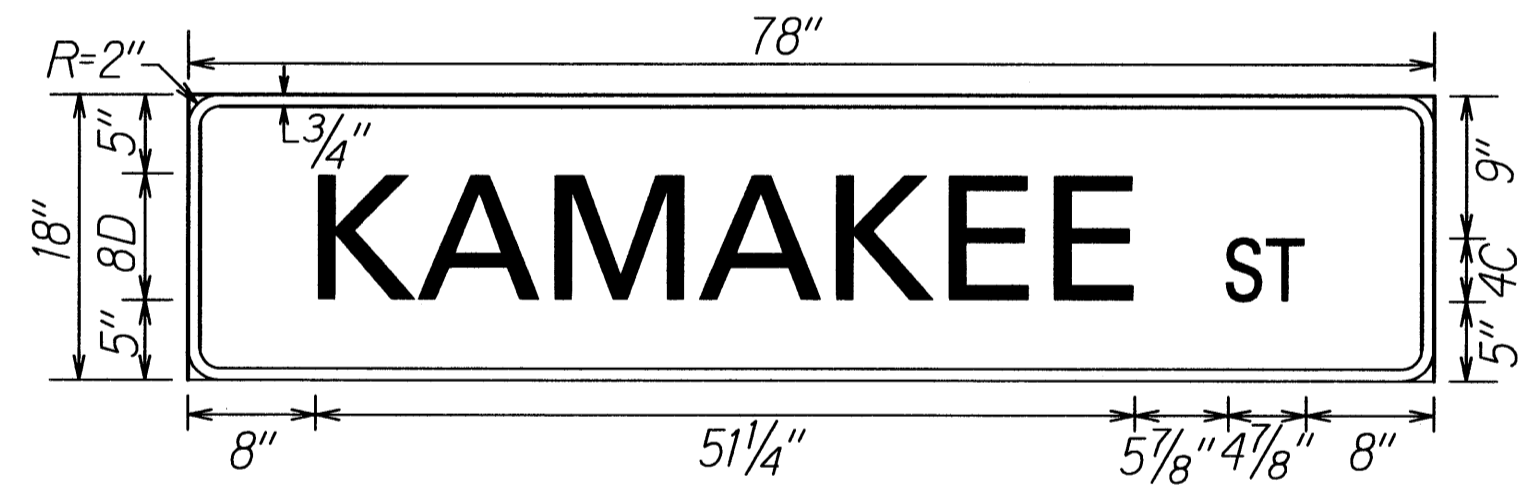
D1-15



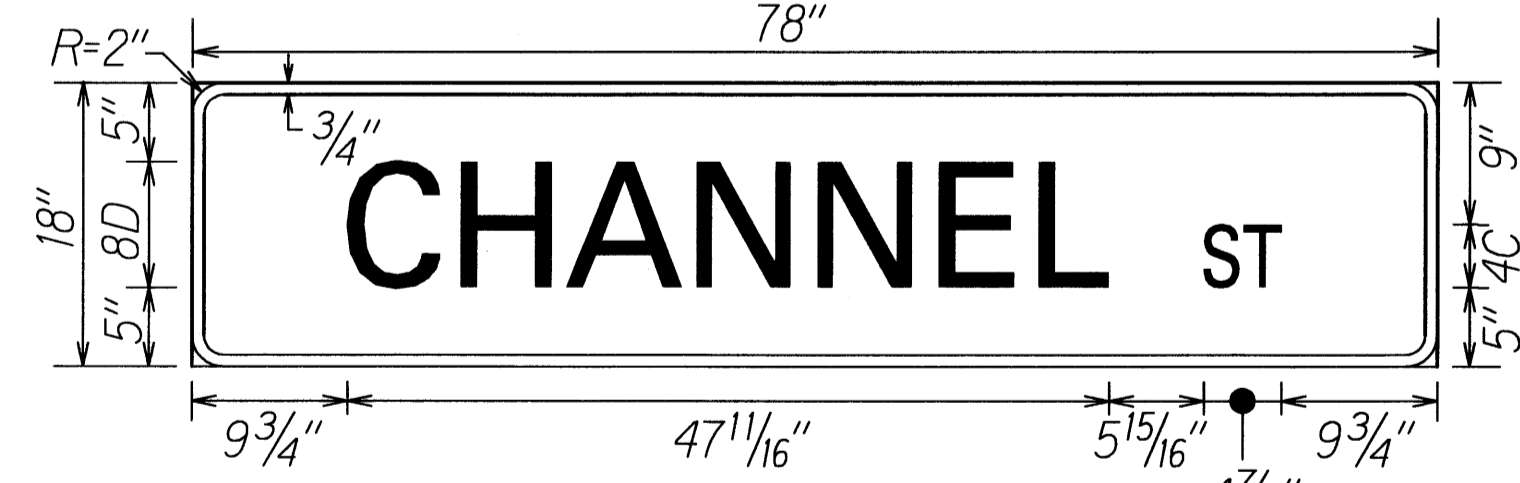
D1-4



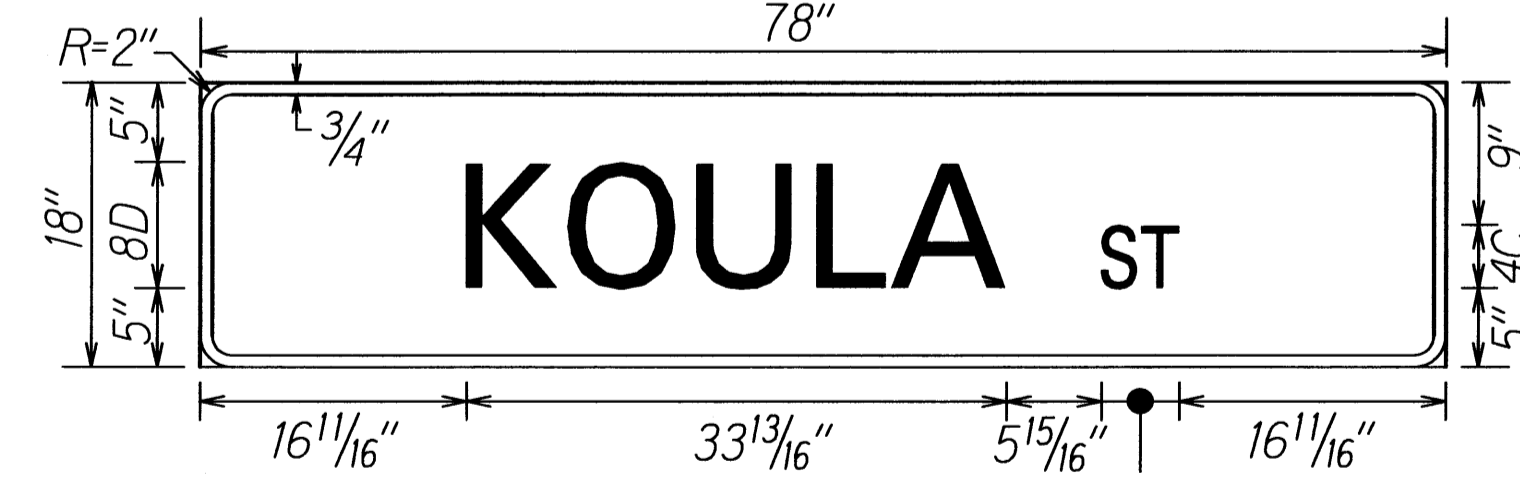
D1-10



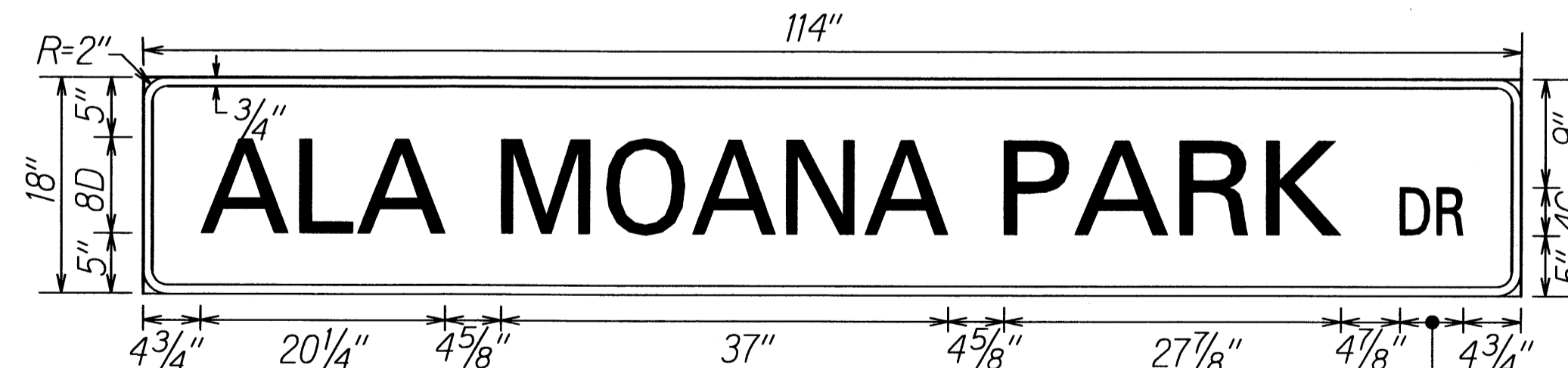
D1-16



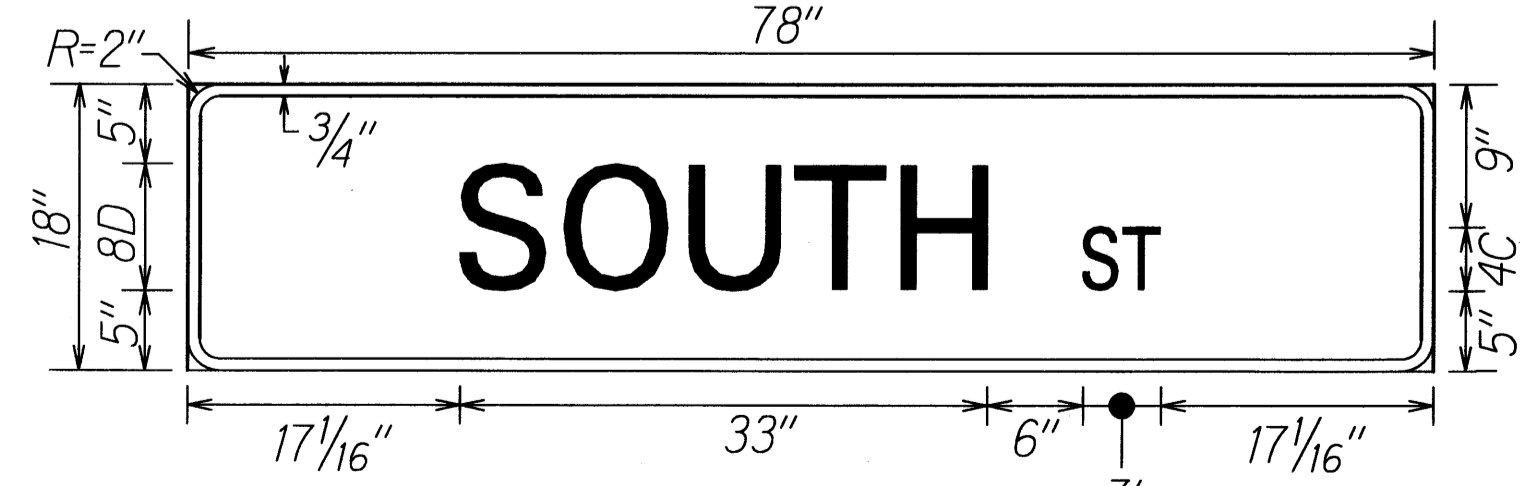
D1-5



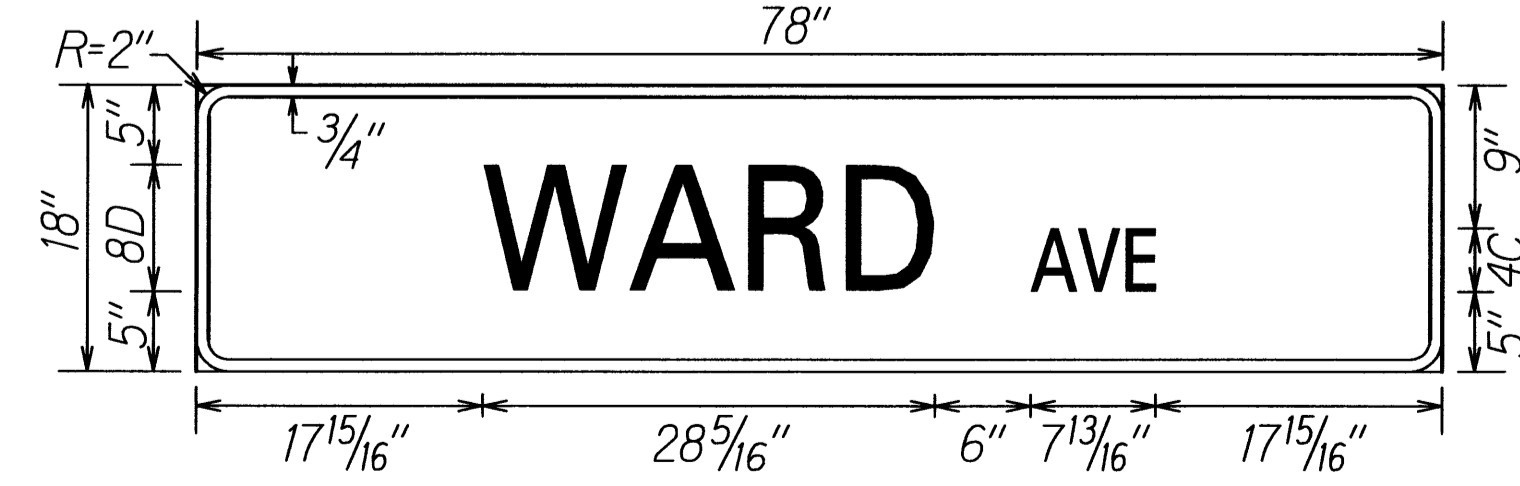
D1-11



D1-17



D1-6



D1-12

NOTE:  
All Street Name Signs  
are White on Green

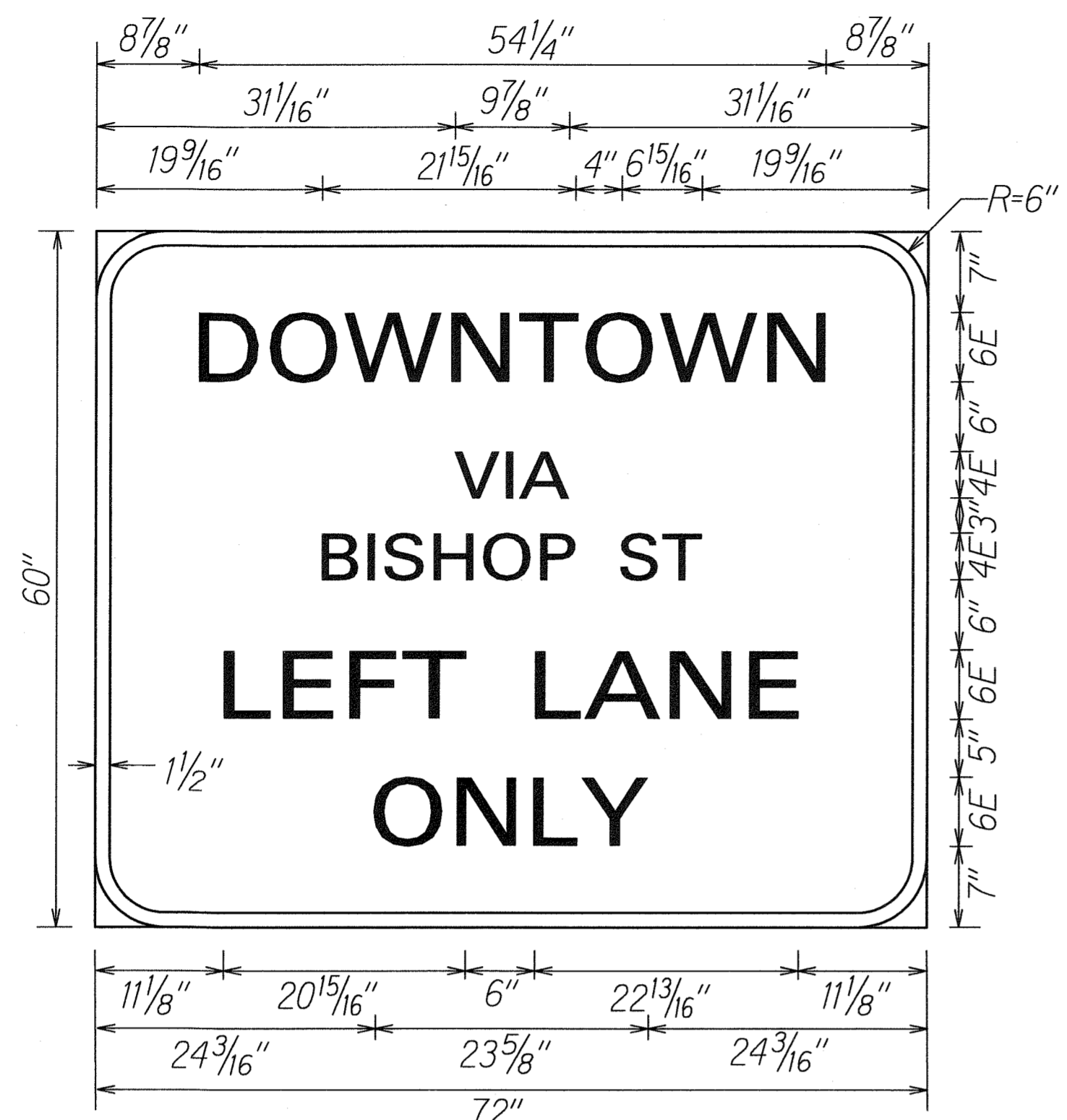
ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
QUANTITIES BY		
CHECKED BY		

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

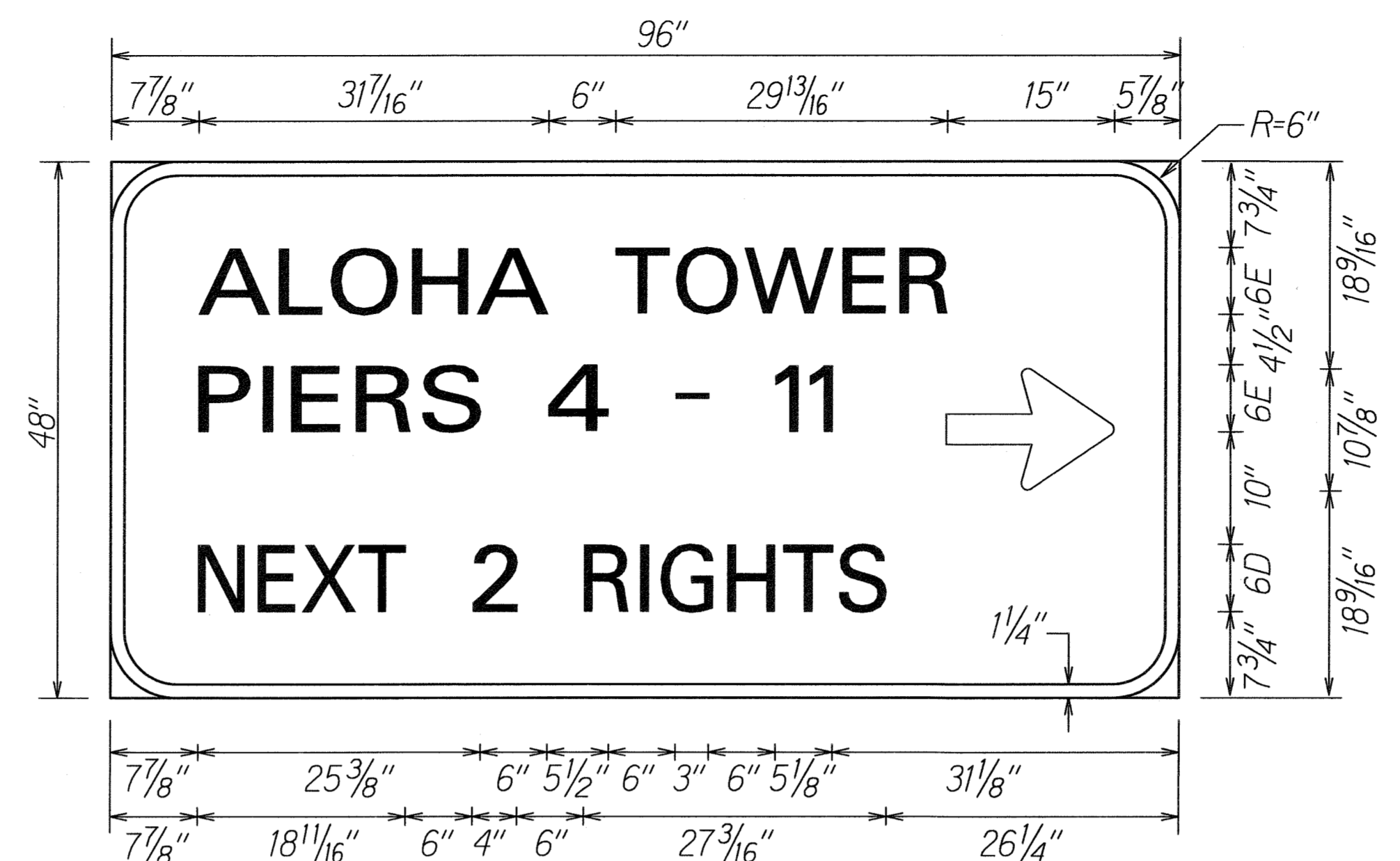
**MISCELLANEOUS SIGN DETAILS**  
NIMITZ HIGHWAY AND  
ALA MOANA BOULEVARD RESURFACING  
AND HIGHWAY LIGHTING REPLACEMENT  
Federal Aid Project No. NH-092-1(27)

Not to Scale Date: Jan. 2009

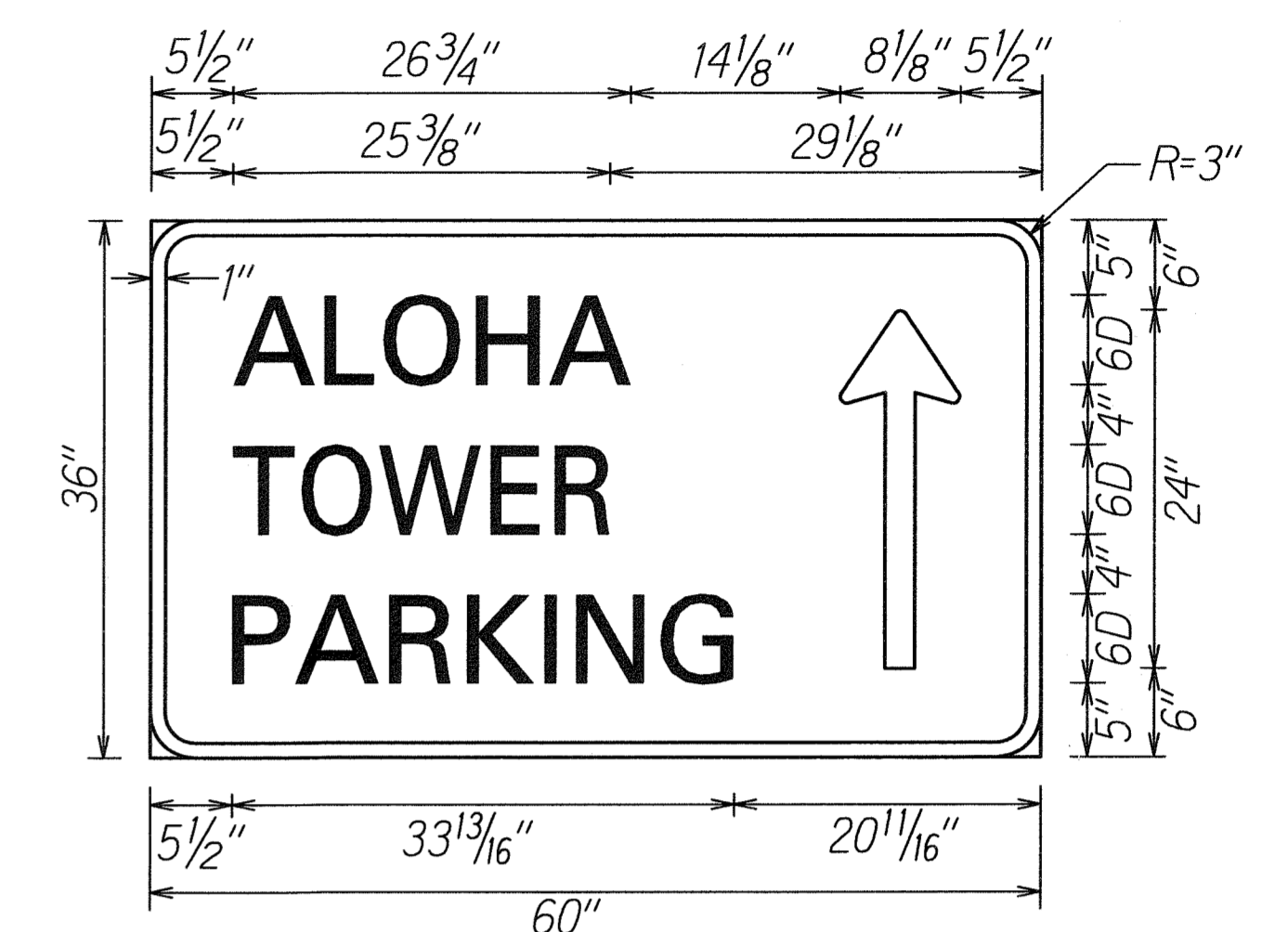
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-092-1(27)	2009	84R	302



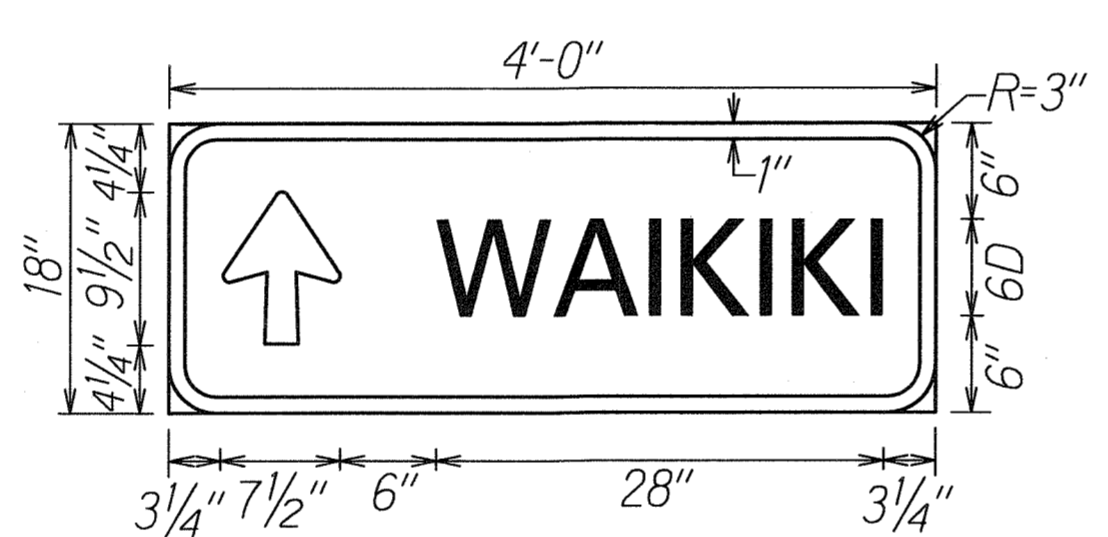
**D-2**  
Colors: White on Green



**D-4**  
Colors: White on Green



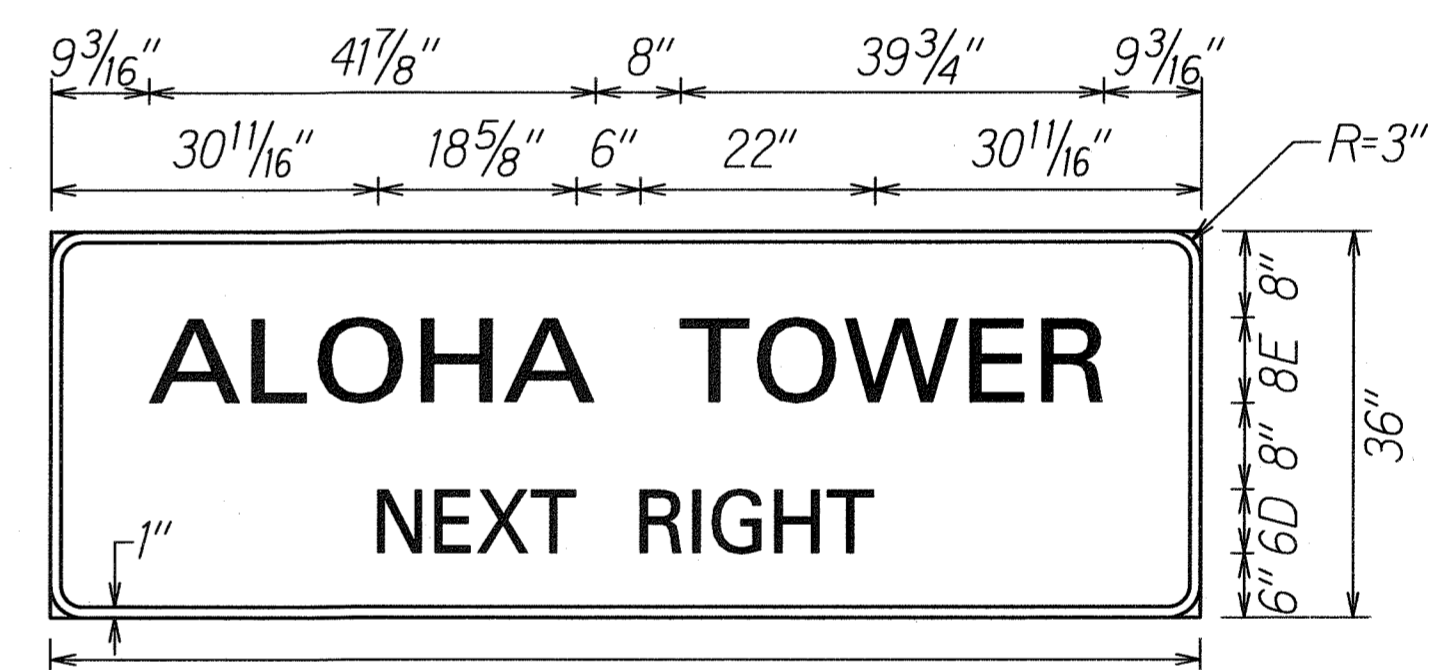
**D-5**  
Colors: White on Green



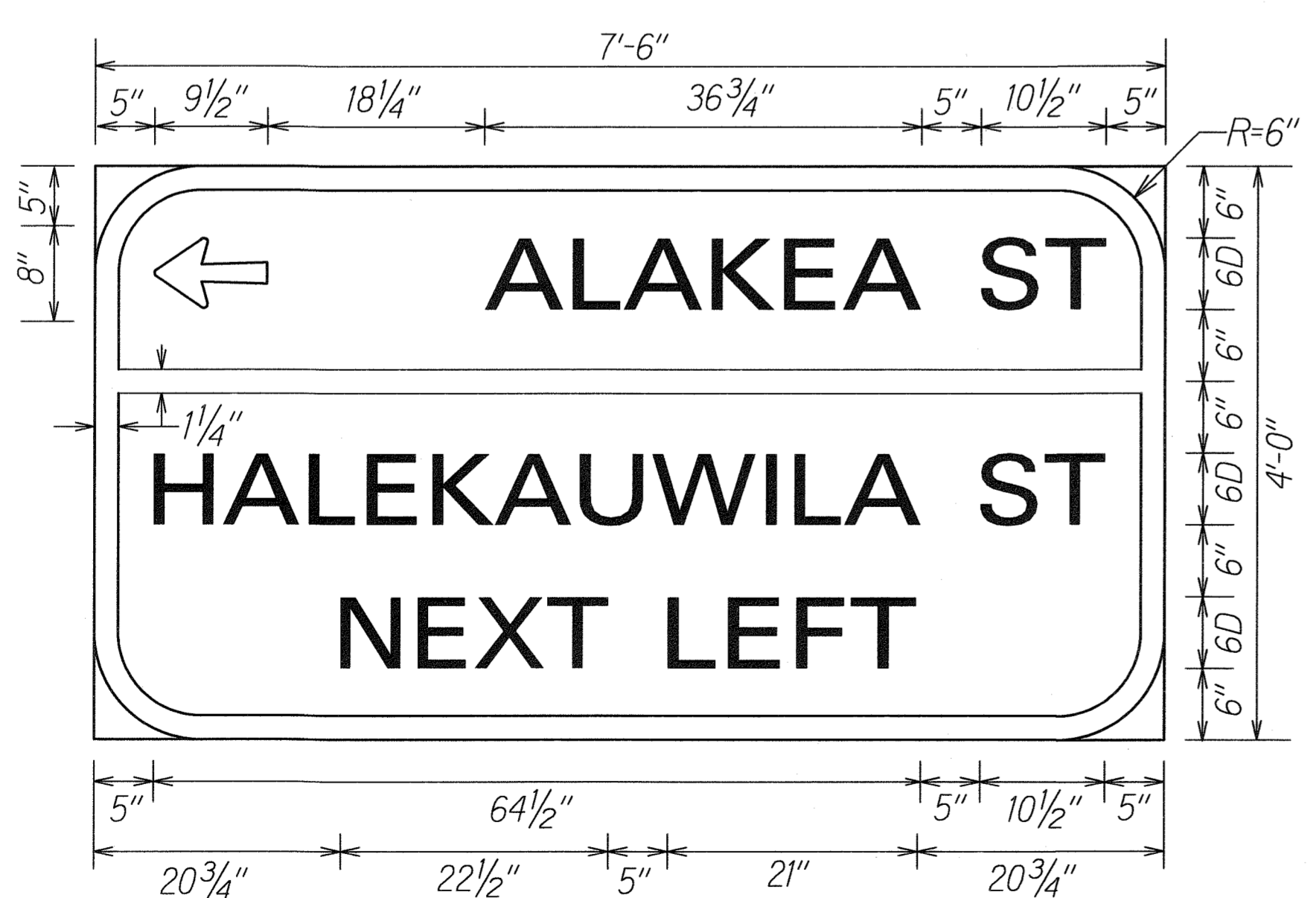
**D-3**  
Colors: White on Green



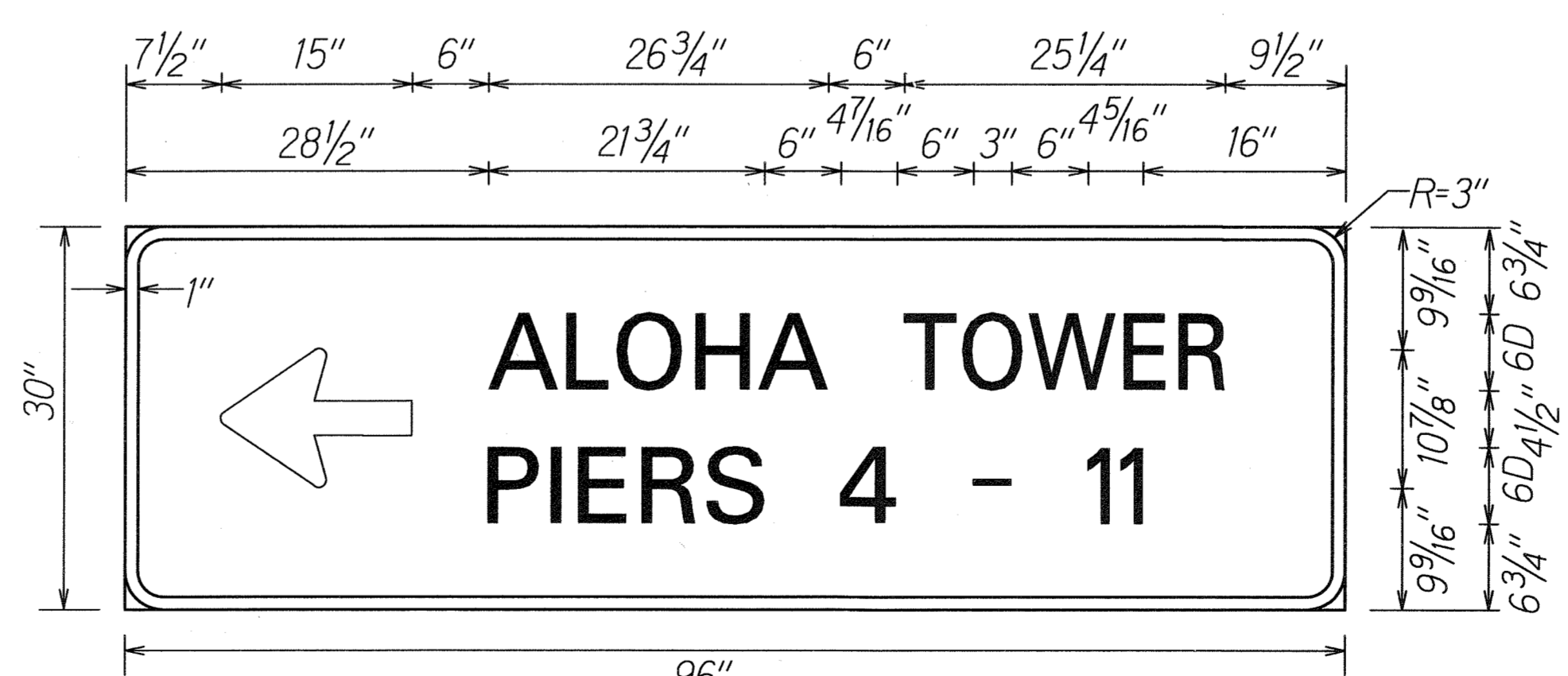
**D-6**  
Colors: White on Green



**D-7**  
Colors: White on Green



**D-9**  
Colors: White on Green

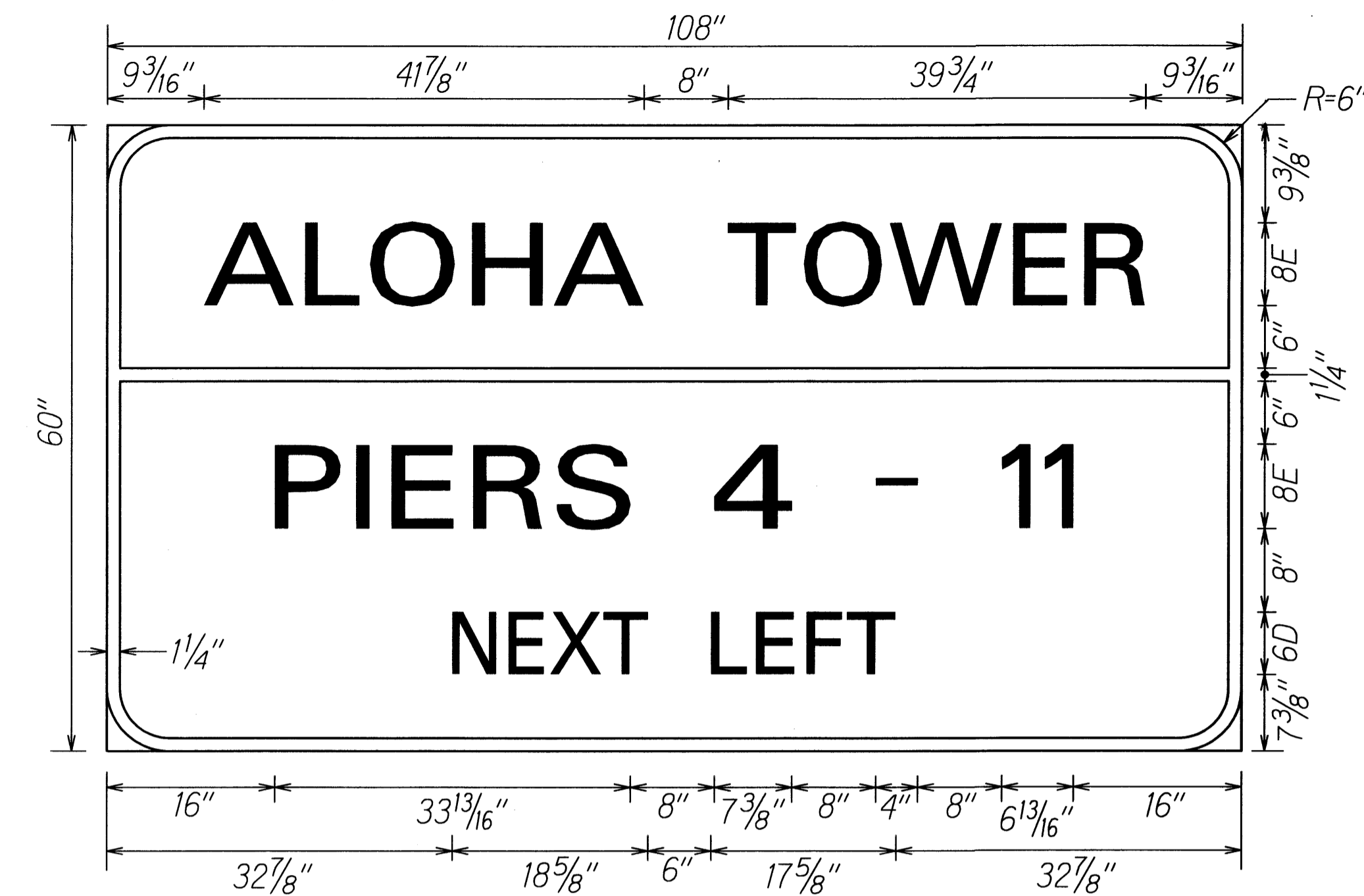


**D-10**  
Colors: White on Green

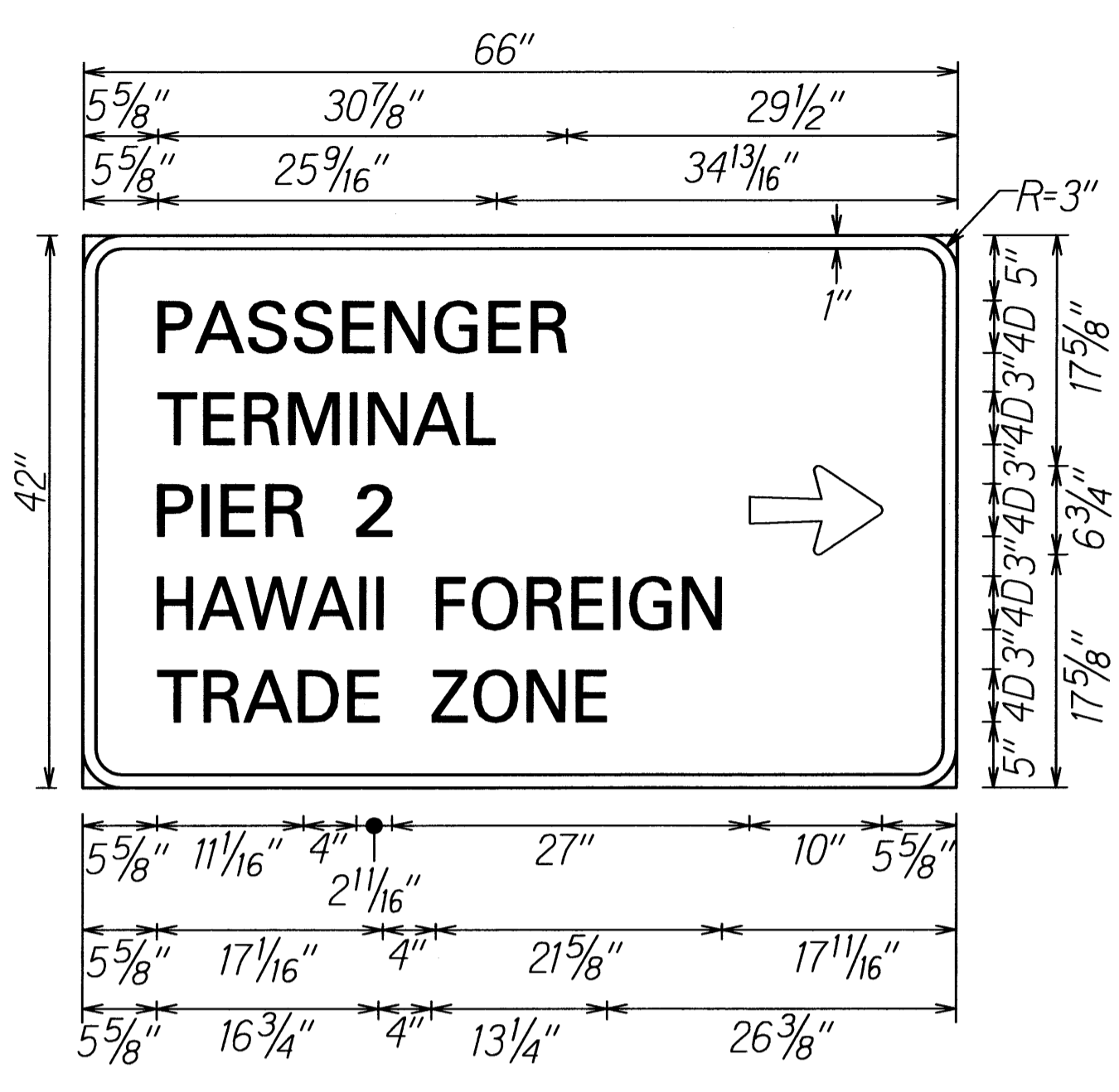
ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
QUANTITIES BY		
CHECKED BY		

2/17/10	Removed signs D-8 and D-11 per Addendum No. 1
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
<b>MISCELLANEOUS SIGN DETAILS</b>	
NIMITZ HIGHWAY AND ALA MOANA BOULEVARD RESURFACING AND HIGHWAY LIGHTING REPLACEMENT	
Federal Aid Project No. NH-092-1(27)	
Not to Scale	
Date: Jan. 2009	

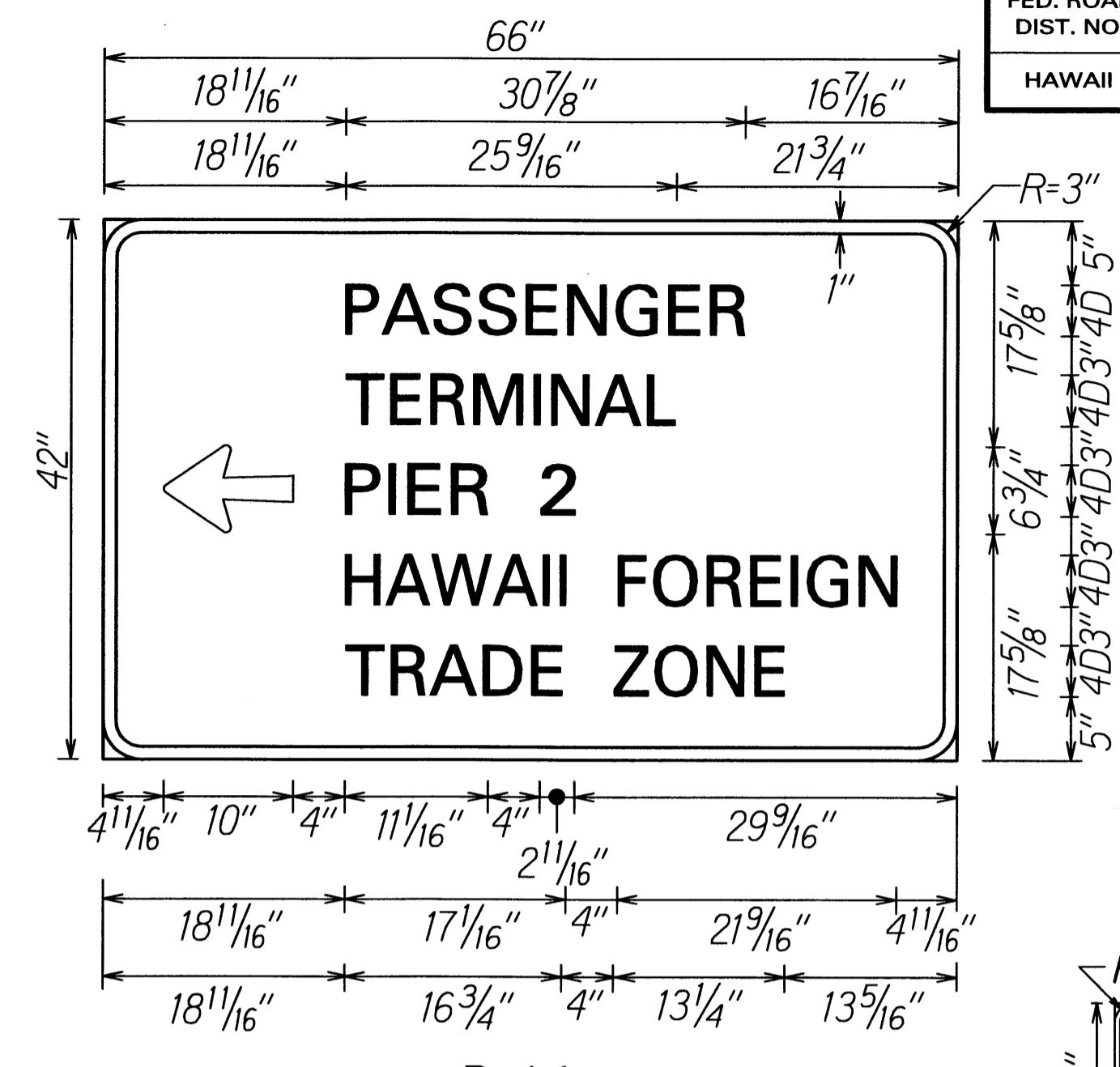
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-092-1(27)	2009	85	302



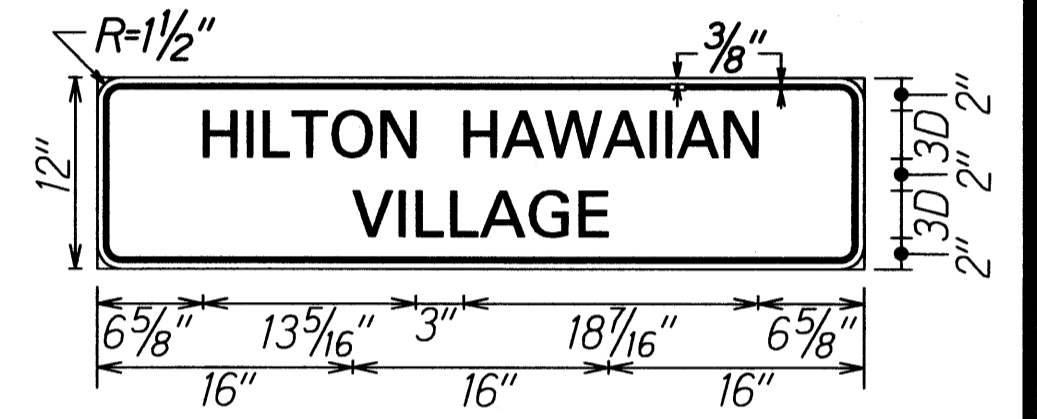
**D-12**  
Colors: White on Green



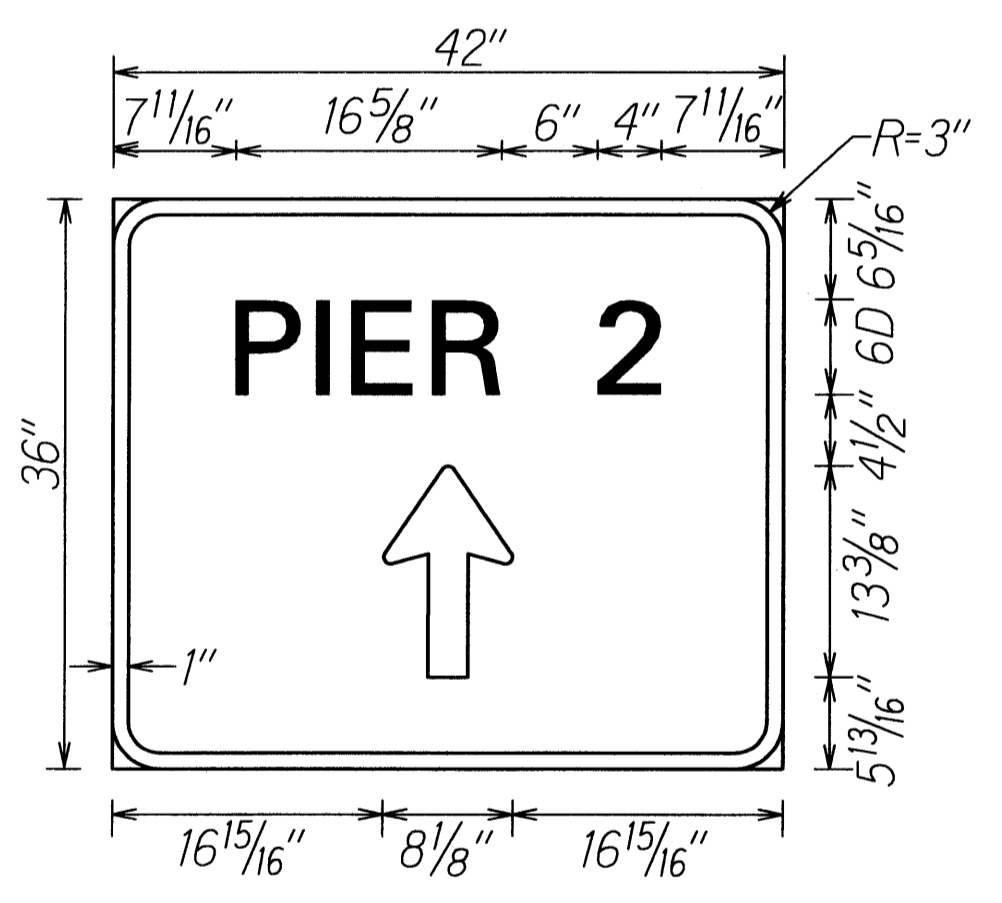
**D-13**  
Colors: White on Green



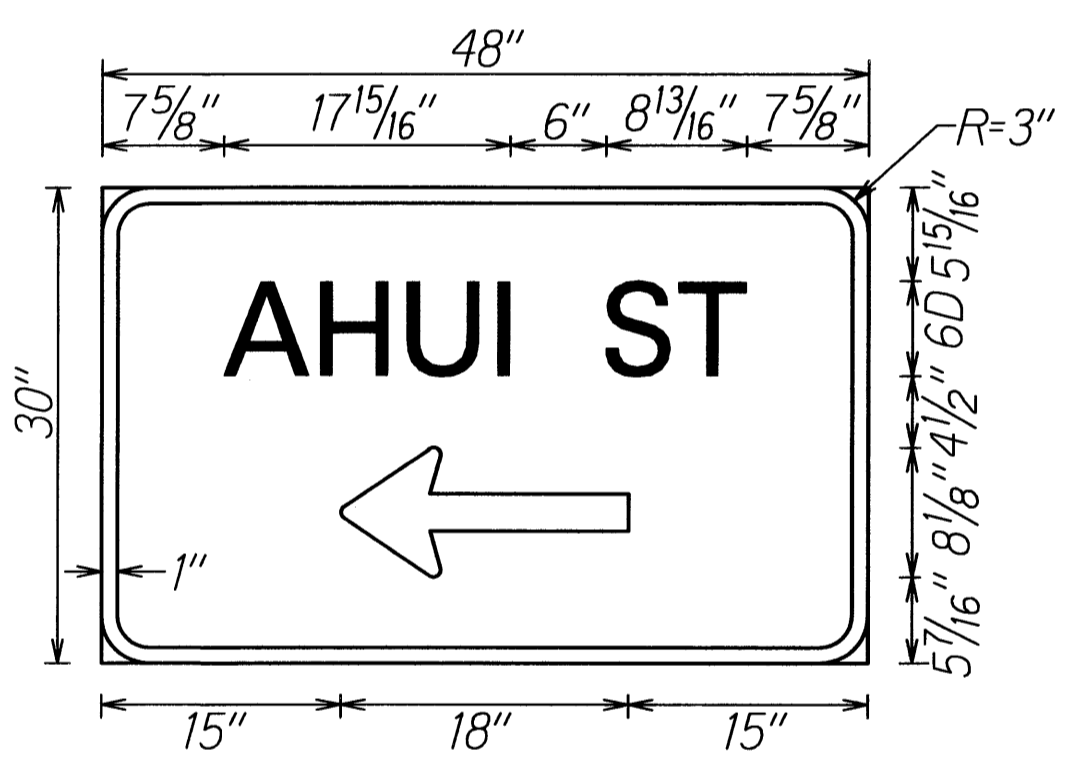
**D-14**  
Colors: White on Green



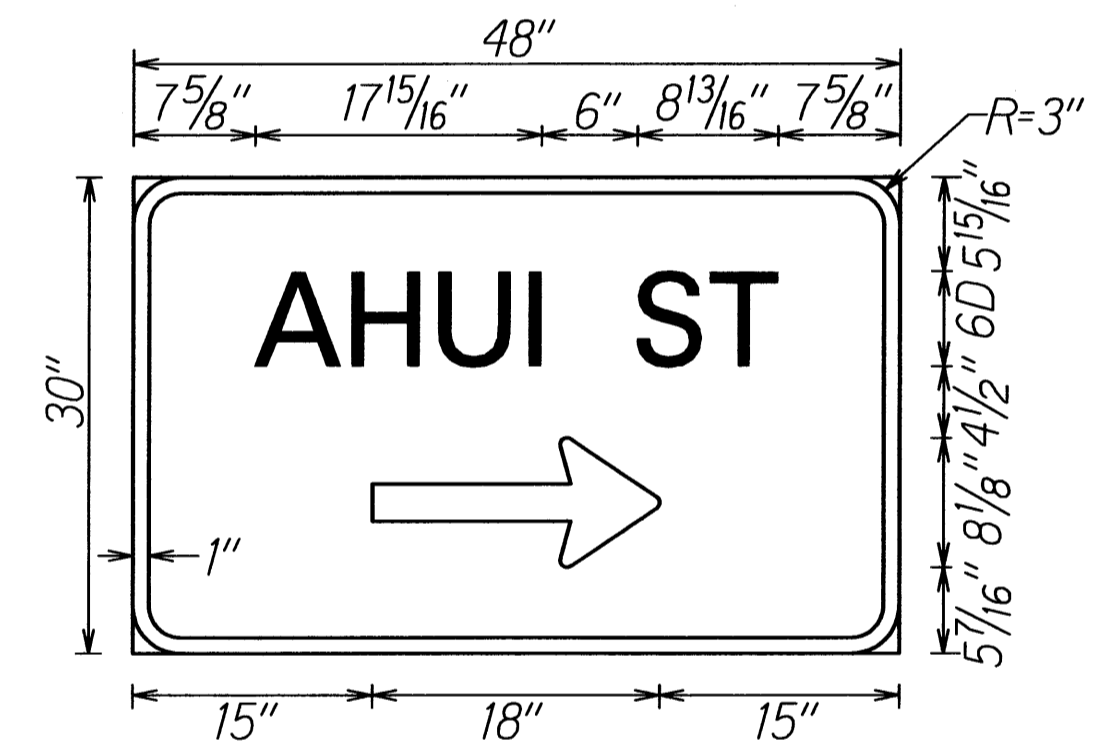
**D-22**  
Colors: Blue on White



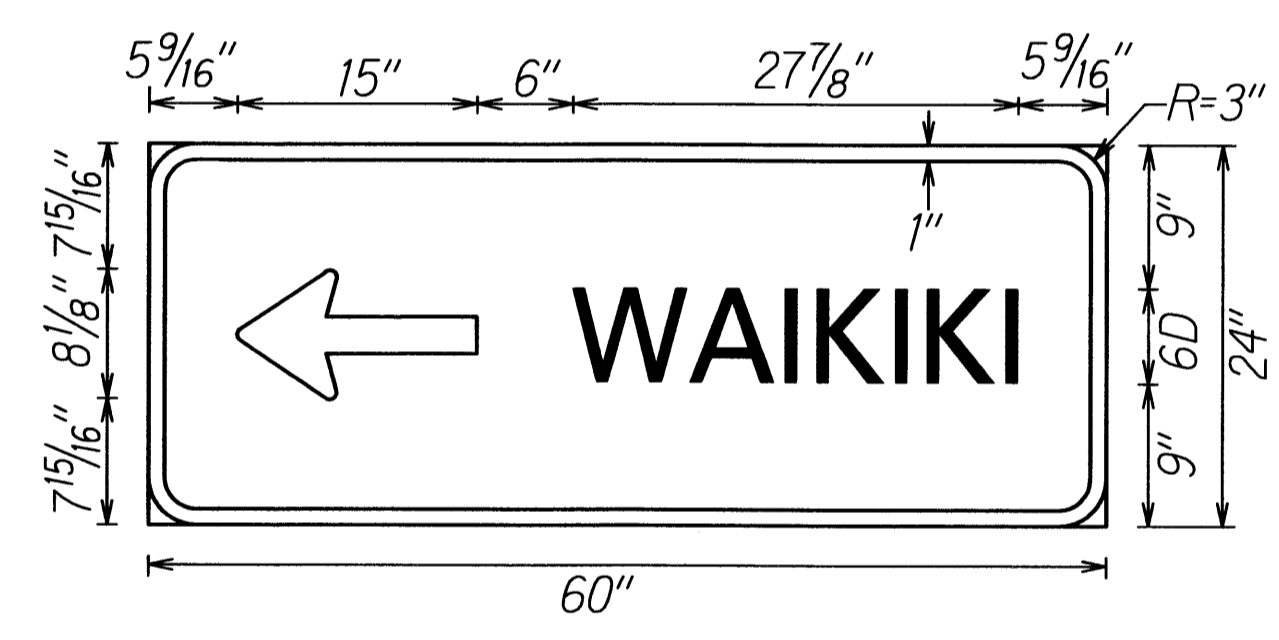
**D-16**  
Colors: White on Green



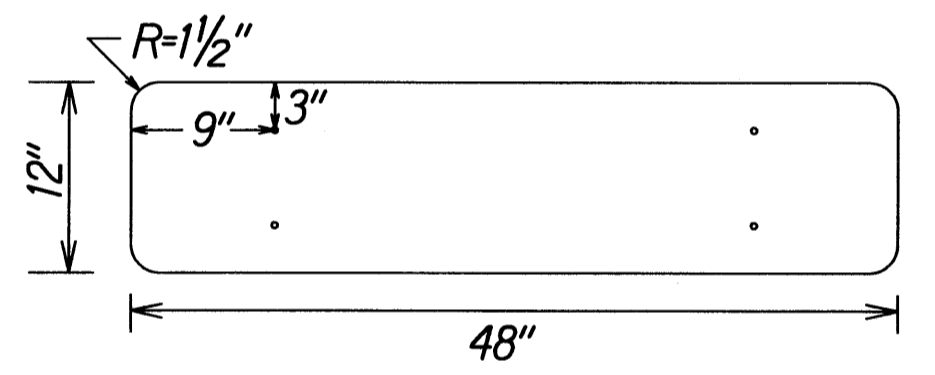
**D-17**  
Colors: White on Green



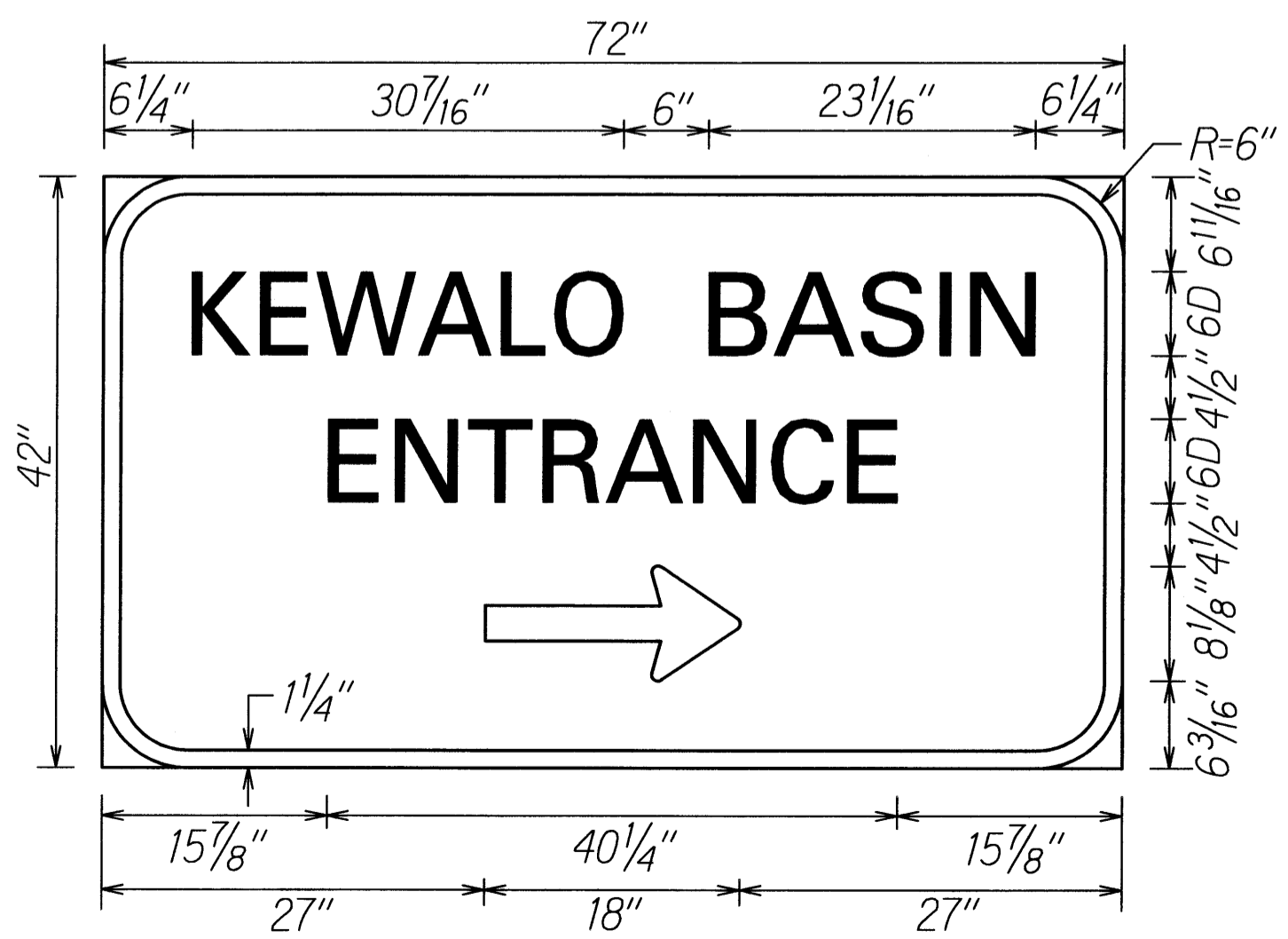
**D-18**  
Colors: White on Green



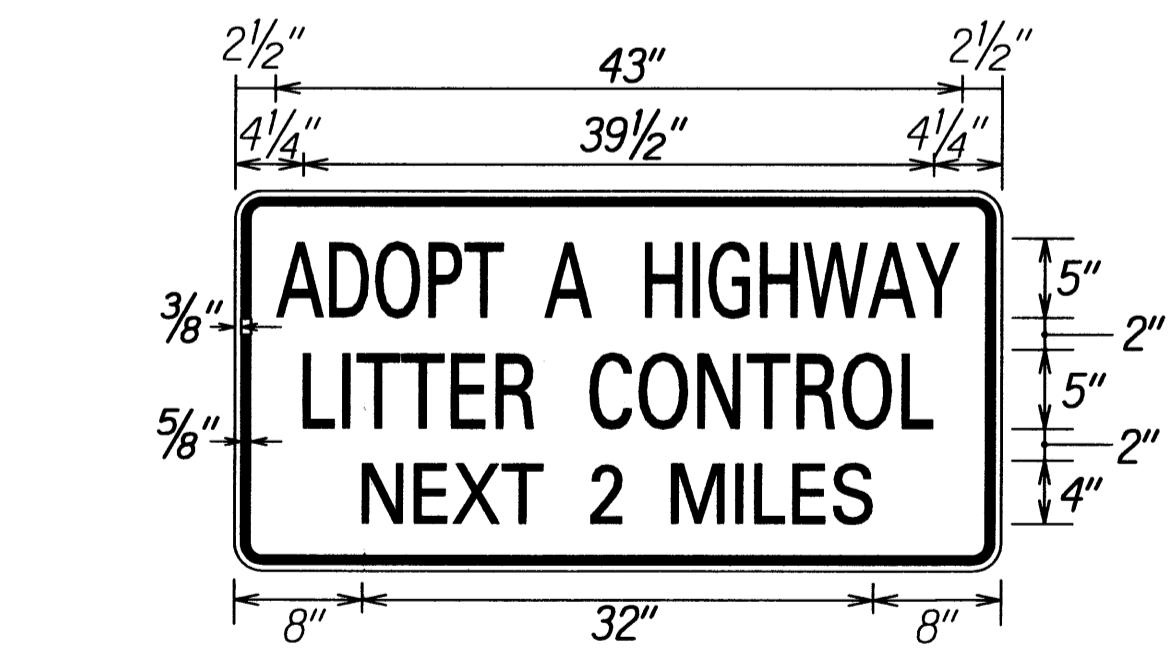
**D-19**



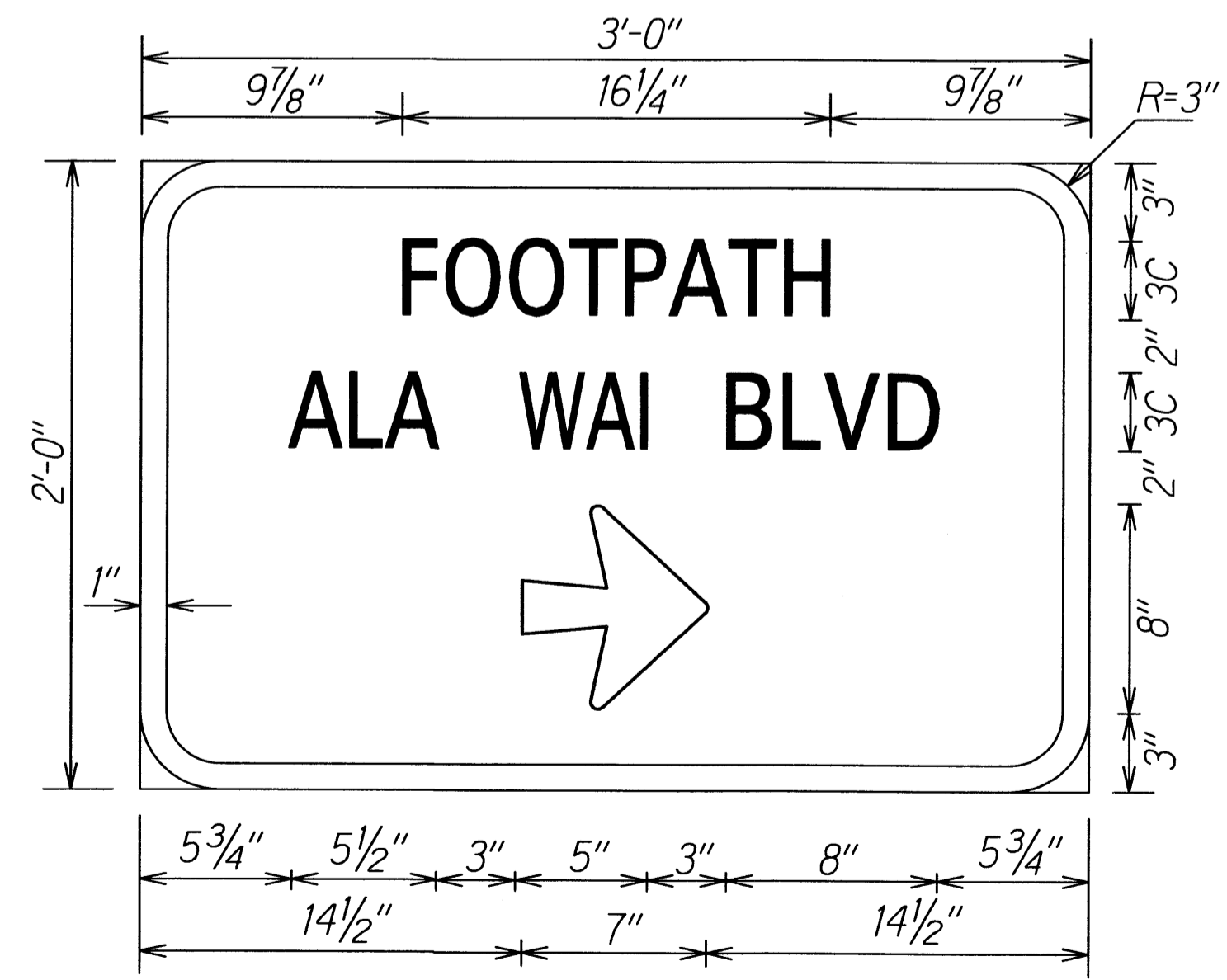
**D-23**  
Colors: Blue on White



**D-20**  
Colors: White on Green



**D-21**  
Colors: Blue on White



**D-24**  
Colors: White on Green

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
DATE	
SCALE	

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**MISCELLANEOUS SIGN DETAILS**

**NIMITZ HIGHWAY AND  
ALA MOANA BOULEVARD RESURFACING  
AND HIGHWAY LIGHTING REPLACEMENT**

Federal Aid Project No. NH-092-1(27)

Not to Scale Date: Jan. 2009

SHEET No. T20 OF 20 SHEETS