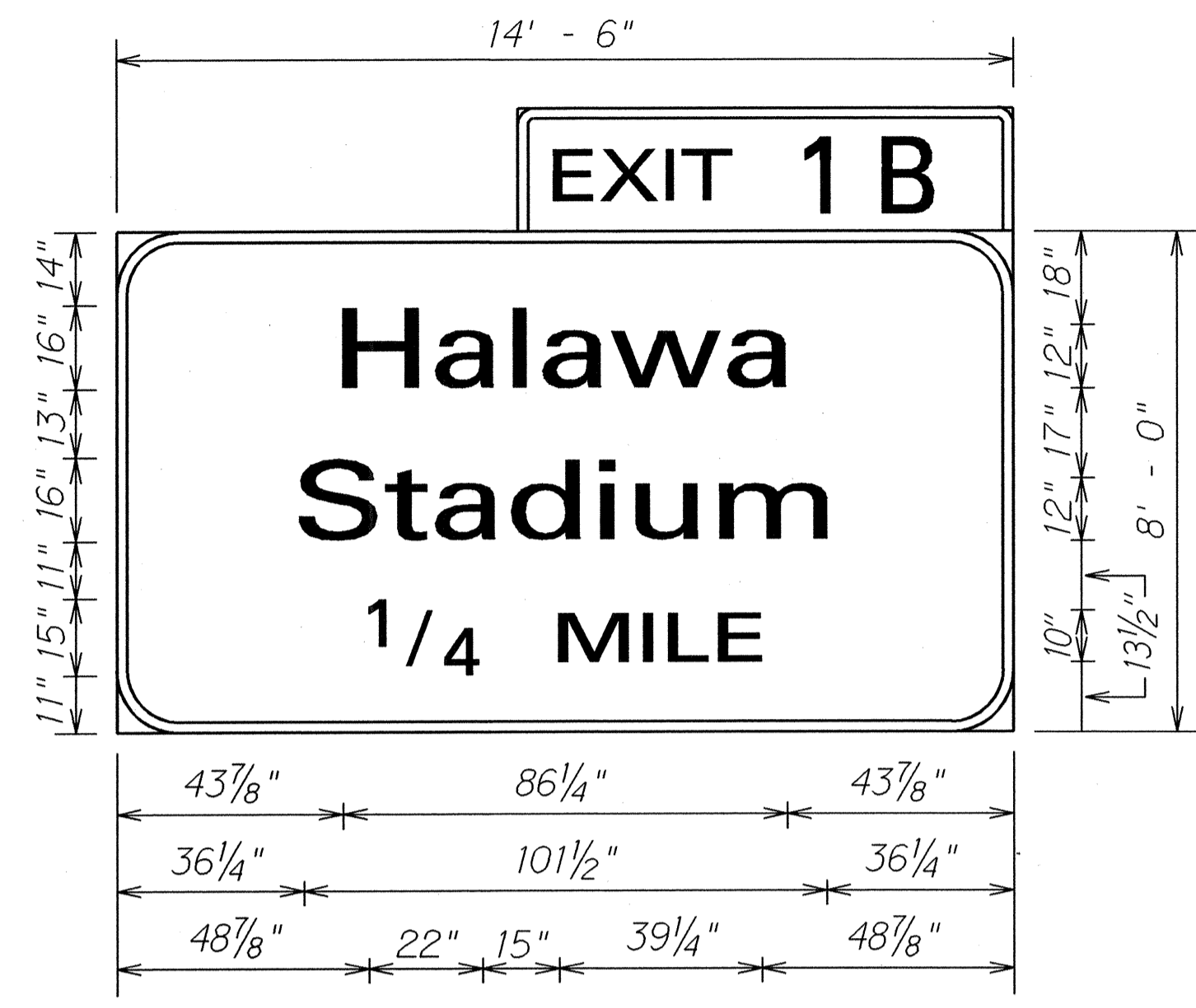
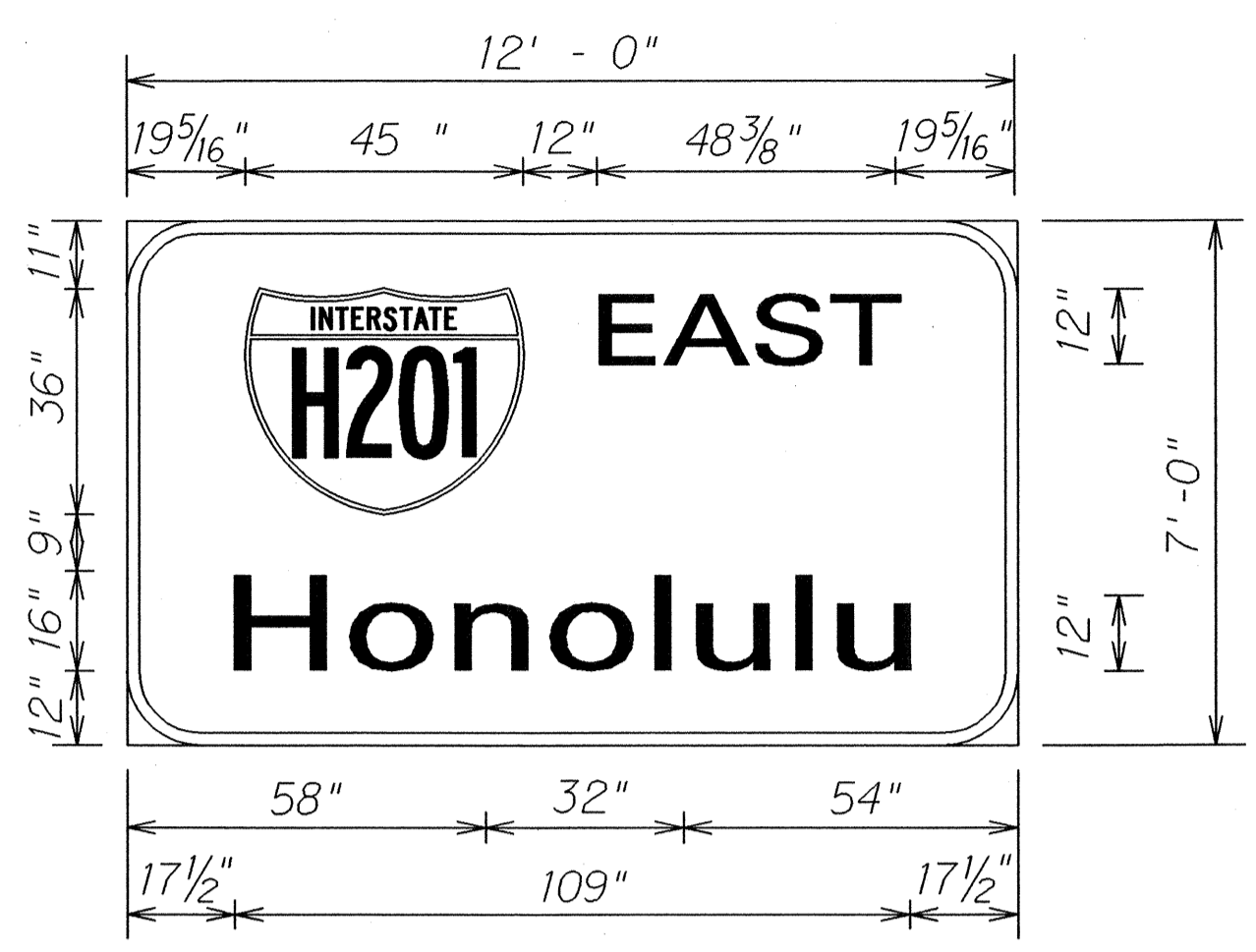


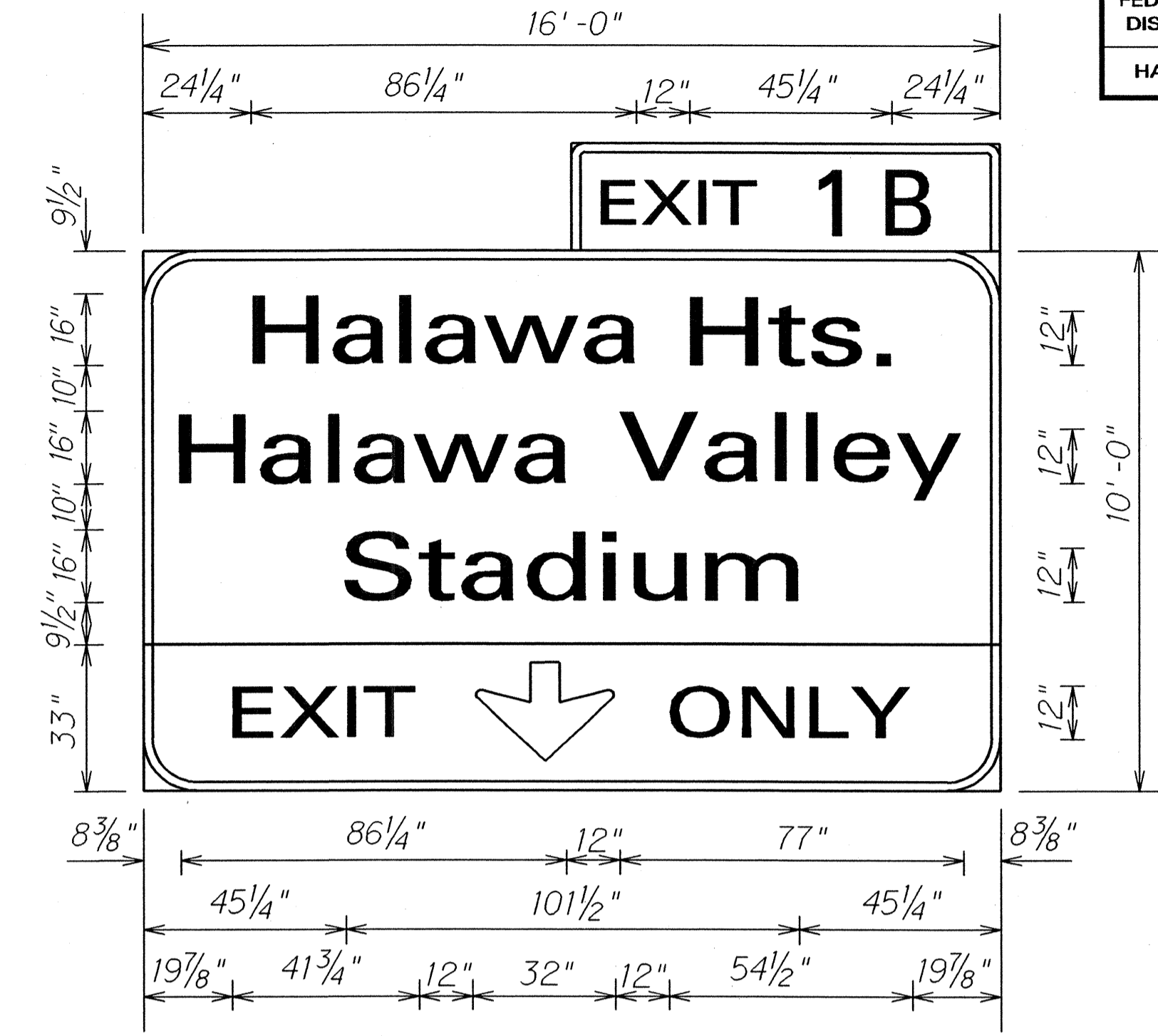
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	DPI-0203(1)	2003	42	234



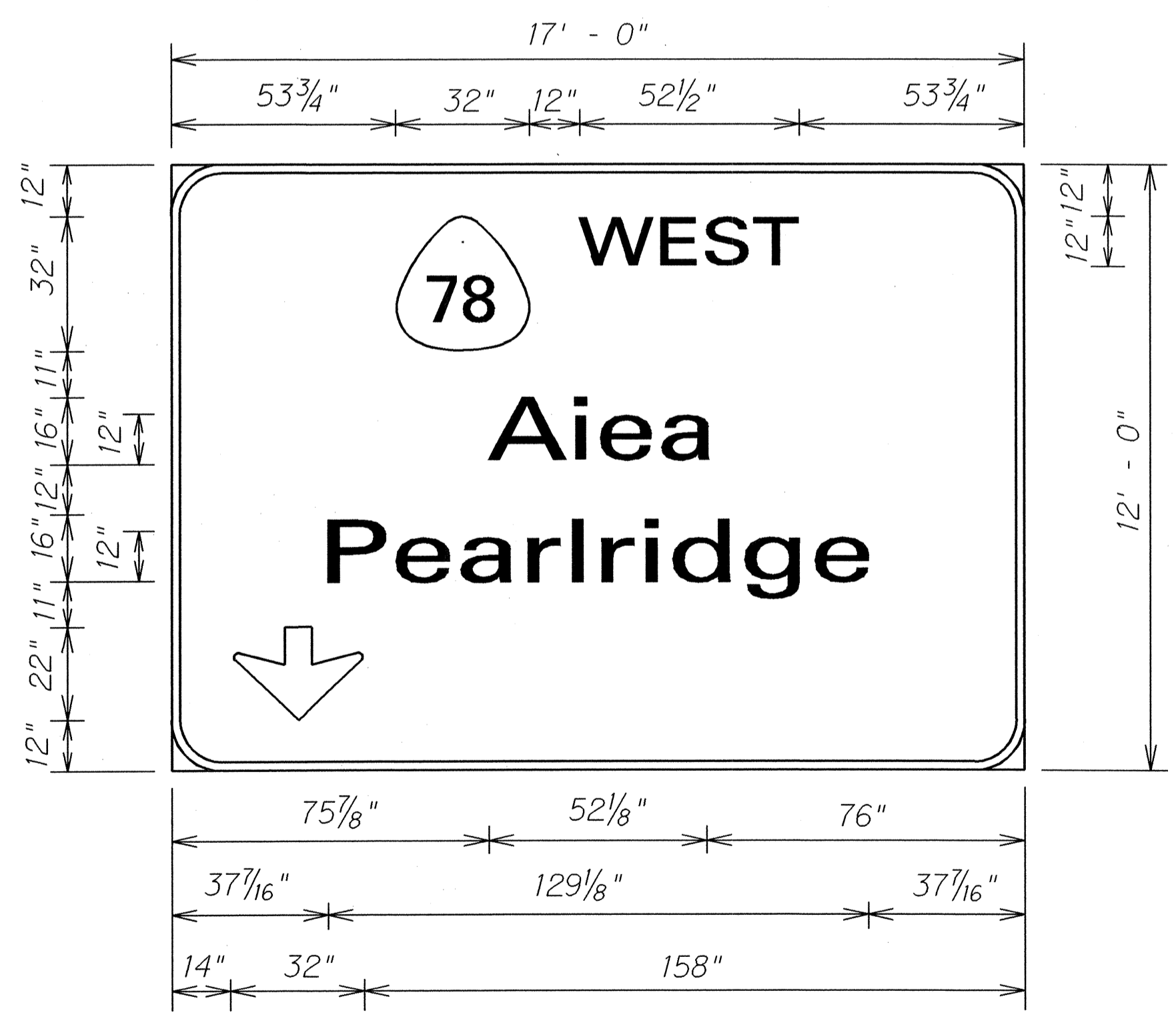
E-1
Sta. 150+85± Rt.



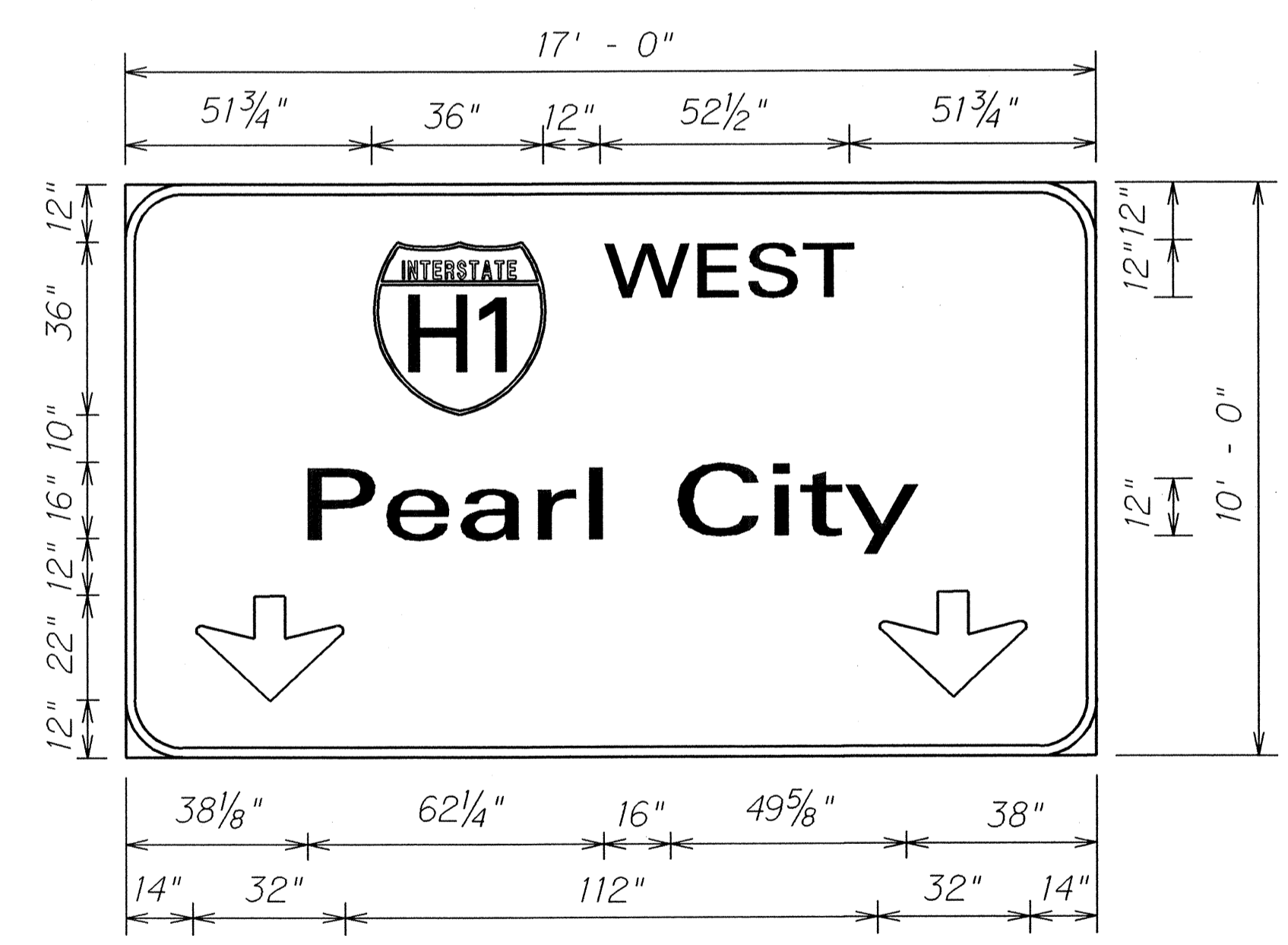
E-2
Sta. 159+90± Rt.



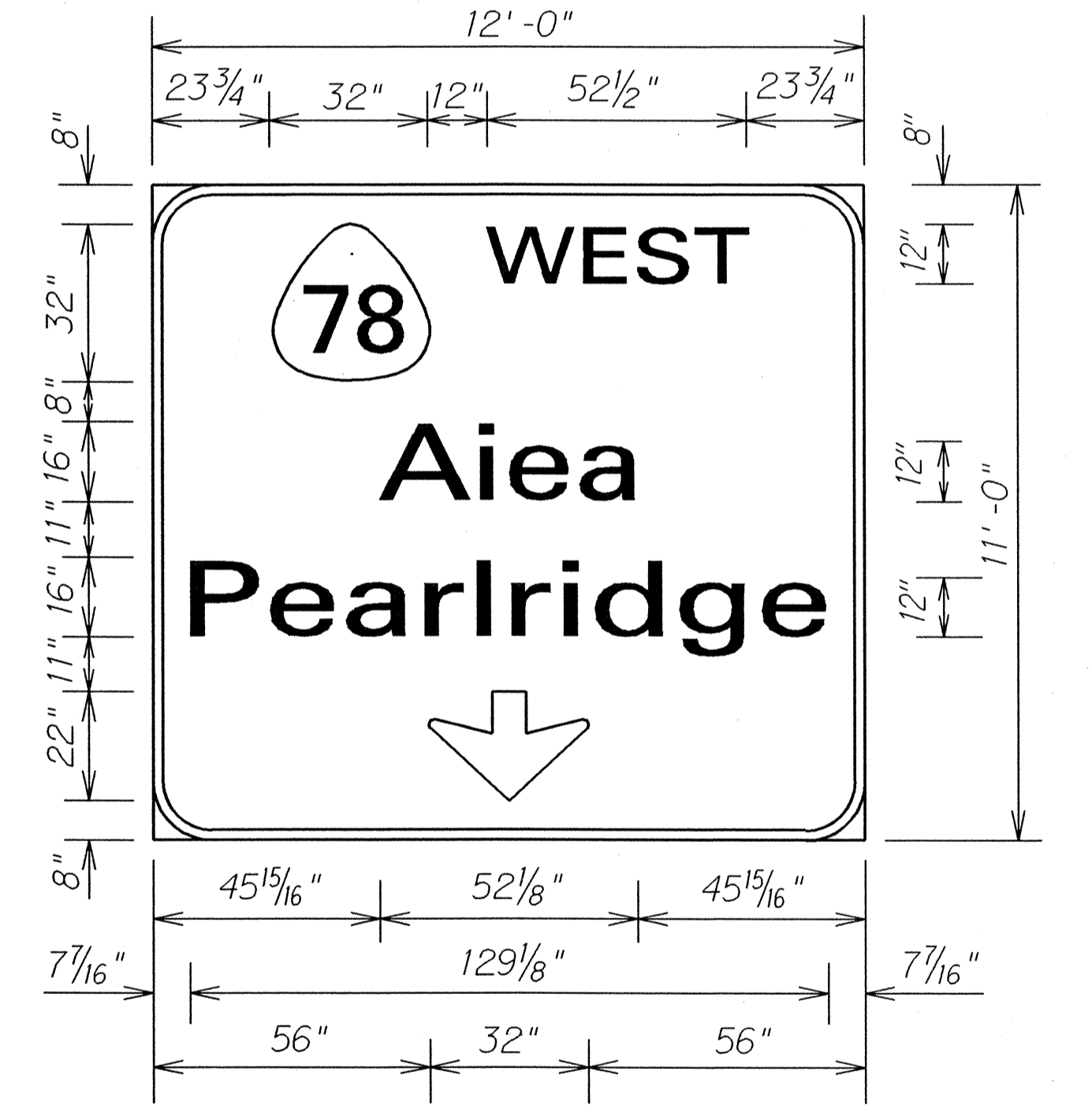
E-3
Sta. 158+90± Rt.



E-4
Sta. 166+00± Lt.



E-5
Sta. 166+00± Lt.

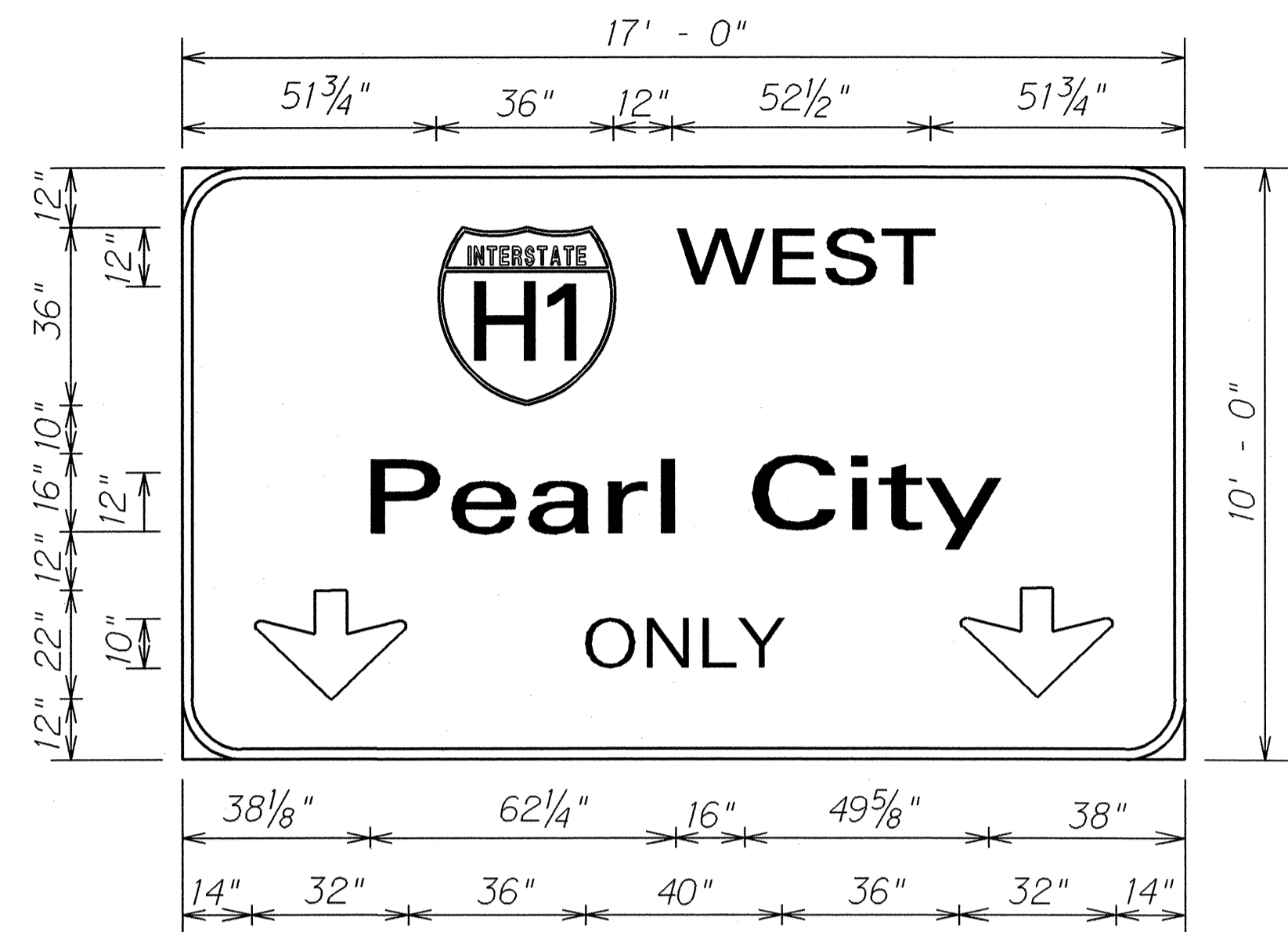


E-6
Sta. 173+30± Rt.

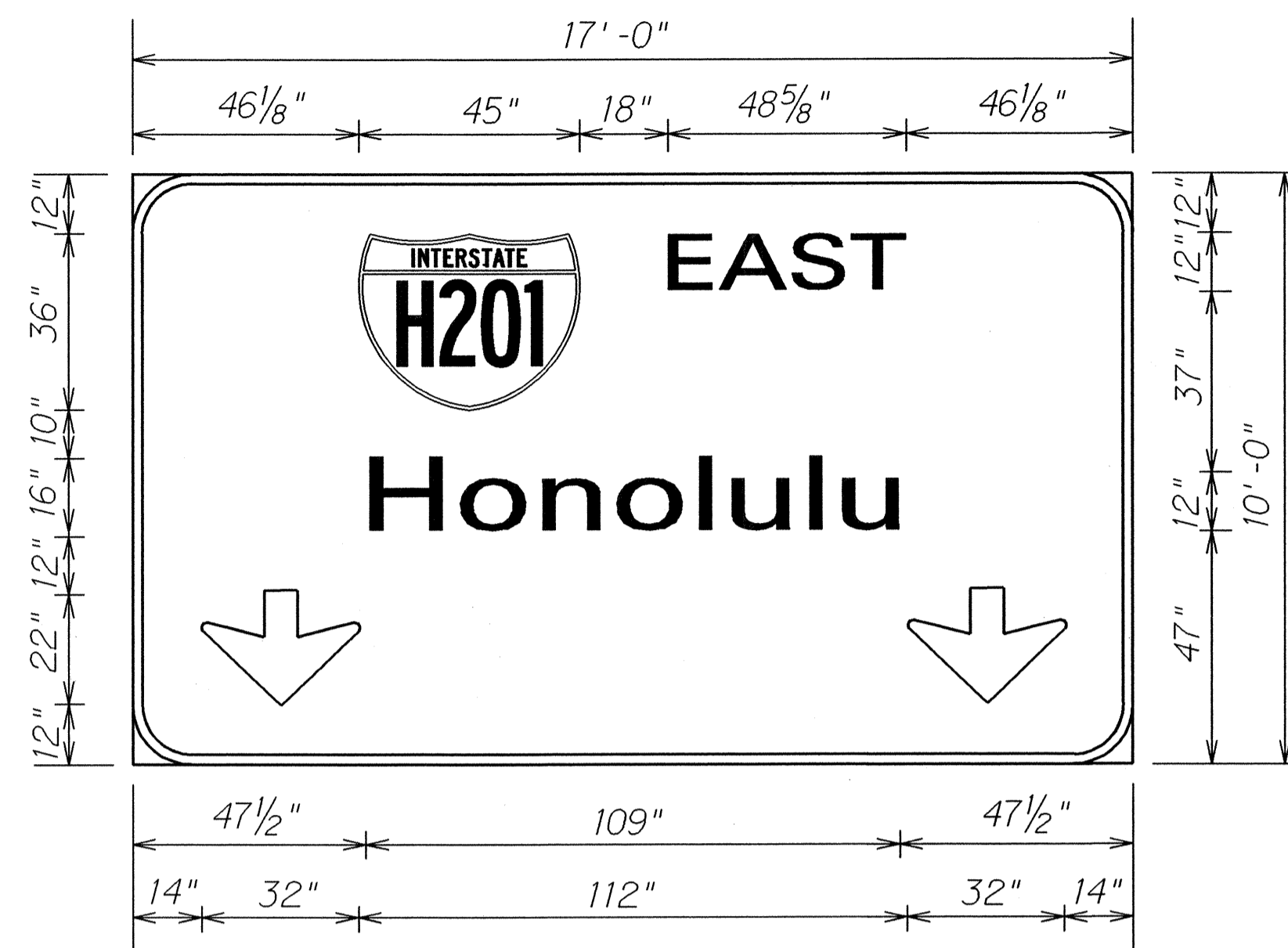
ORIGINAL PLAN	DATE
DESIGNED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**EXPRESSWAY SIGN
PANEL LAYOUTS**
MOANALUA FREEWAY RESURFACING
Halawa Interchange to Kahauiki Interchange
Federal Aid Project DPI-0203(1)
Scale: 3/8"=1'-0" Date: June 2002
SHEET No. T16 OF 25 SHEETS

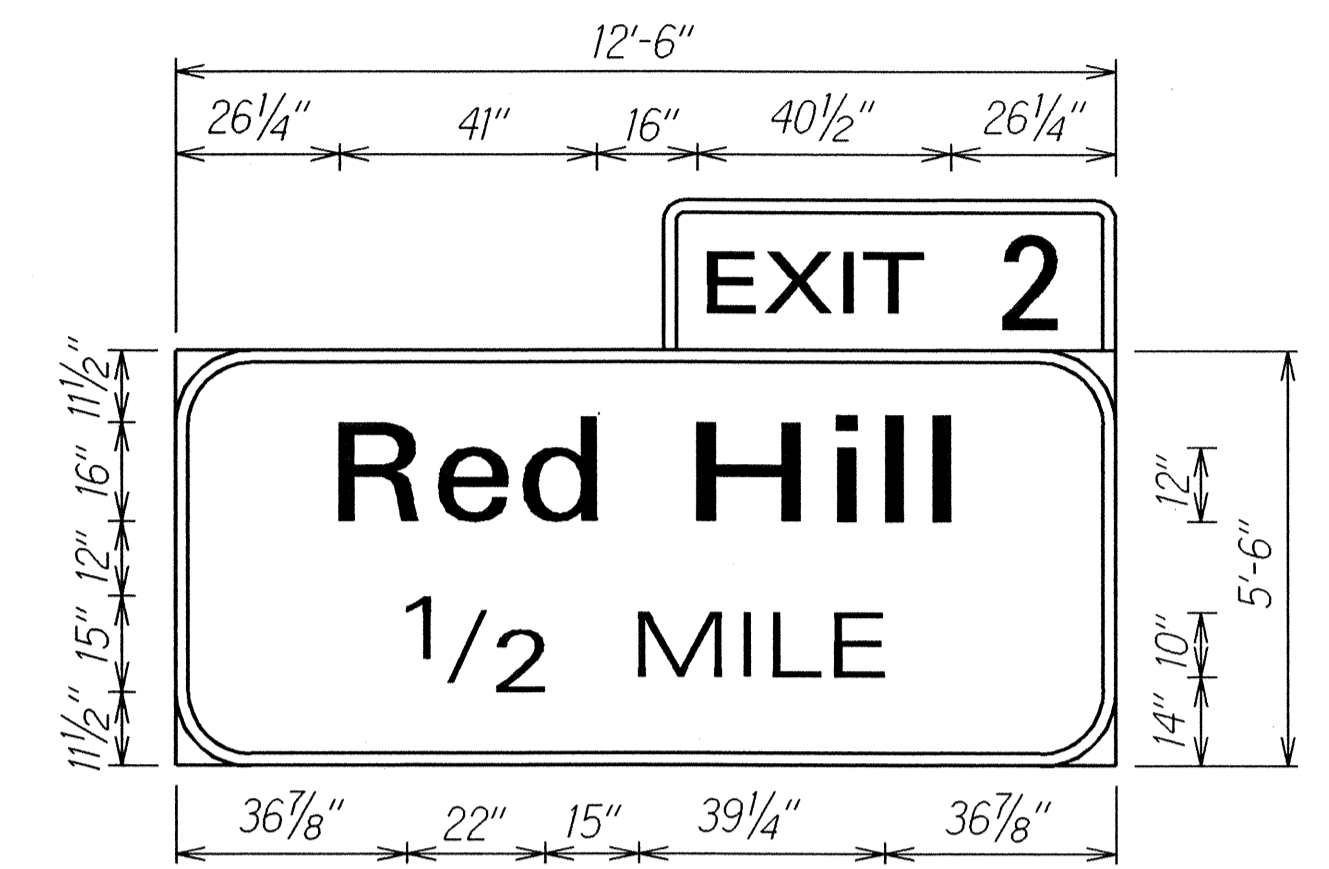
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	DPI-0203(1)	2003	43	234



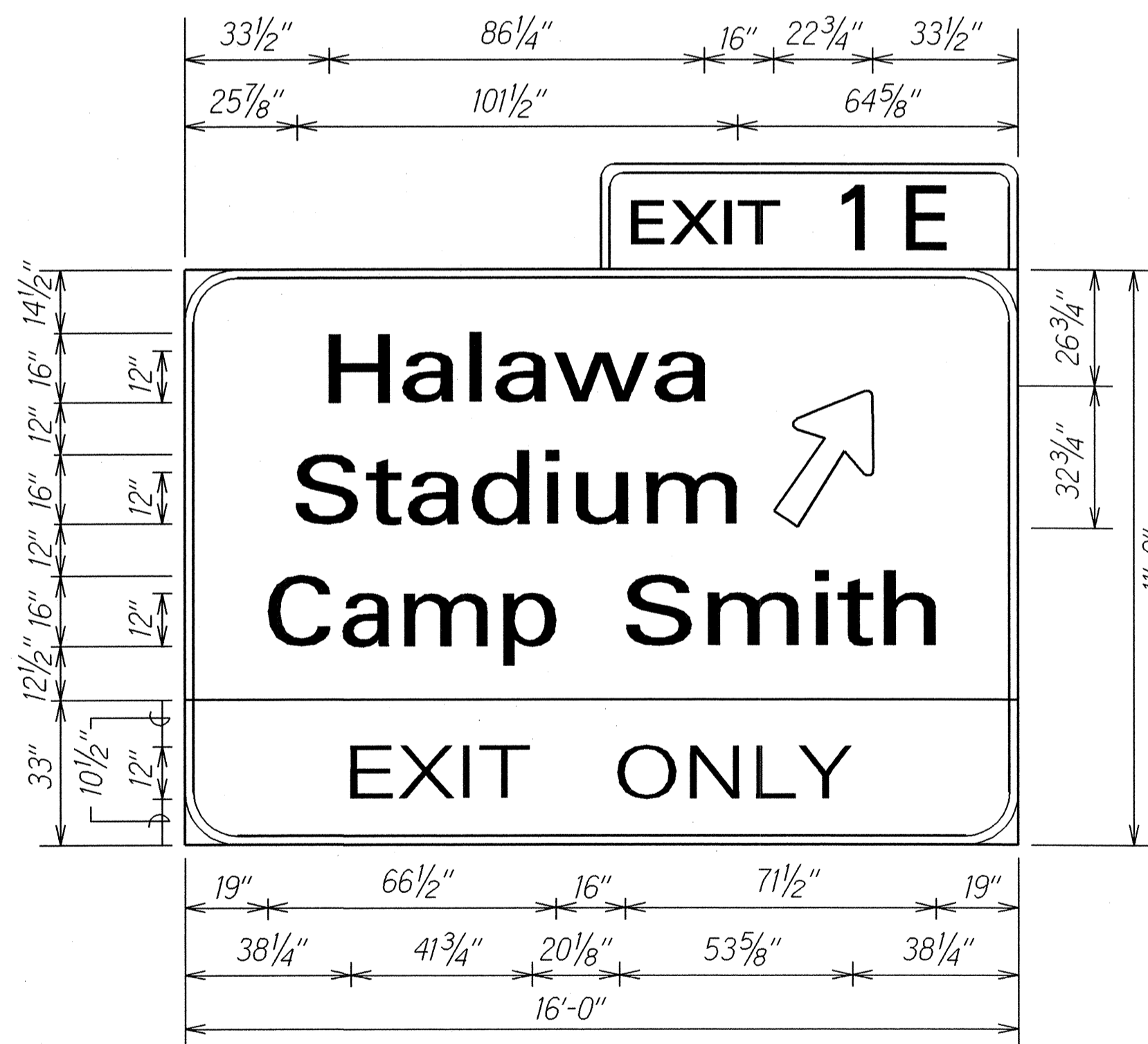
E-7
Sta. 173+30± Rt.



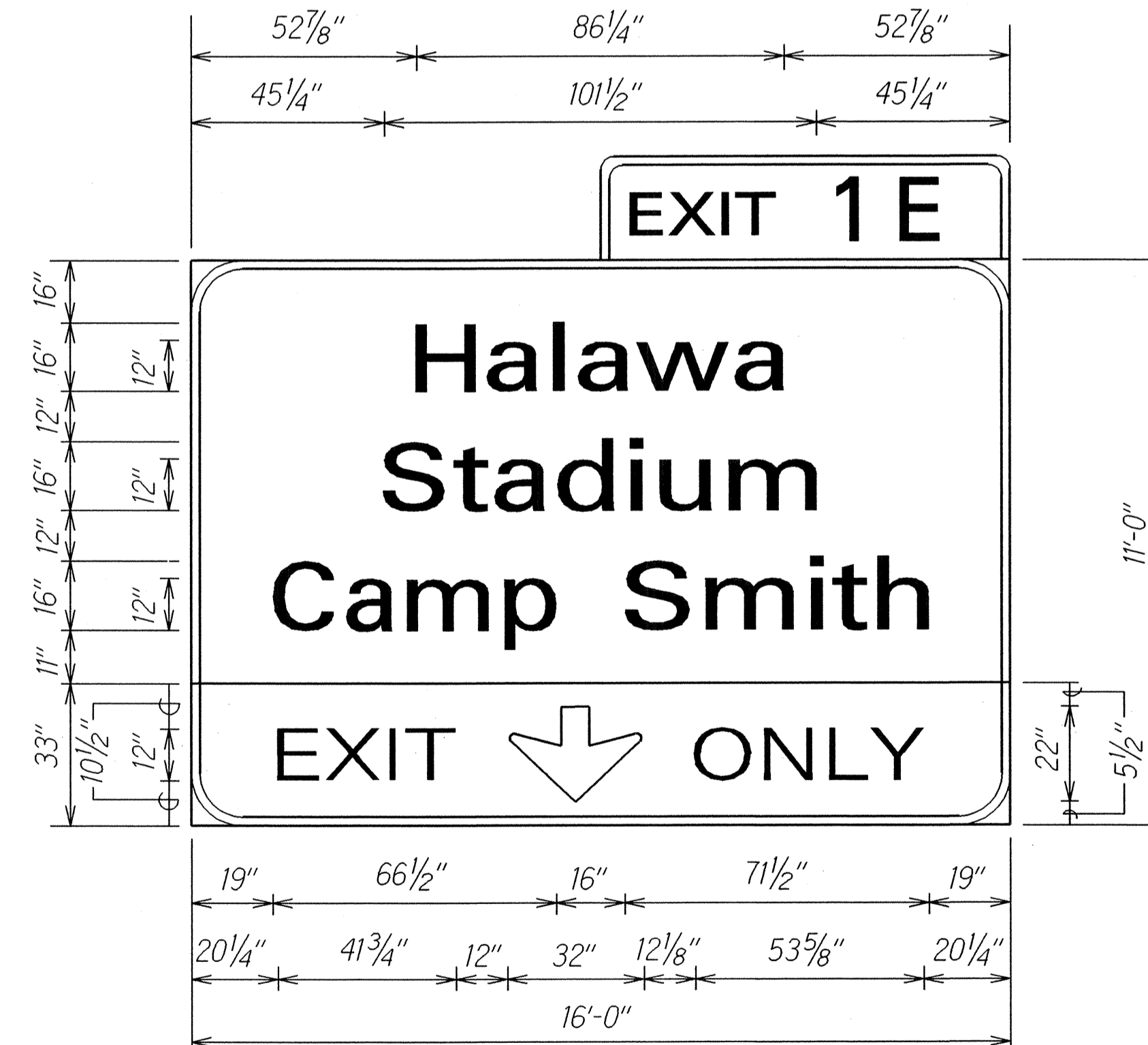
E-8
Sta. 188+15± Rt.



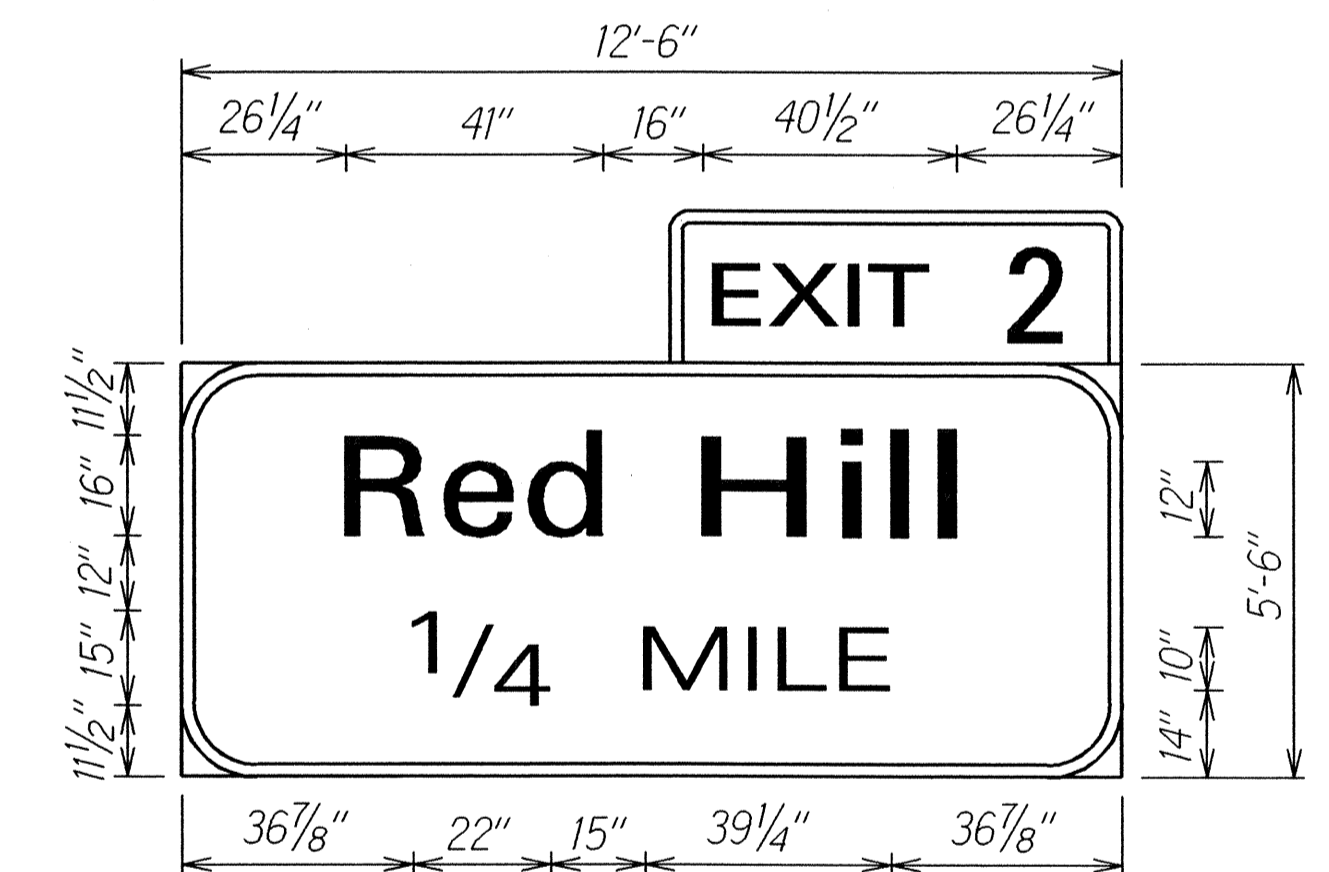
E-9
Sta. 188+15± Rt.



E-11
Sta. 207+35± Lt.



E-12
Sta. 207+35± Rt.

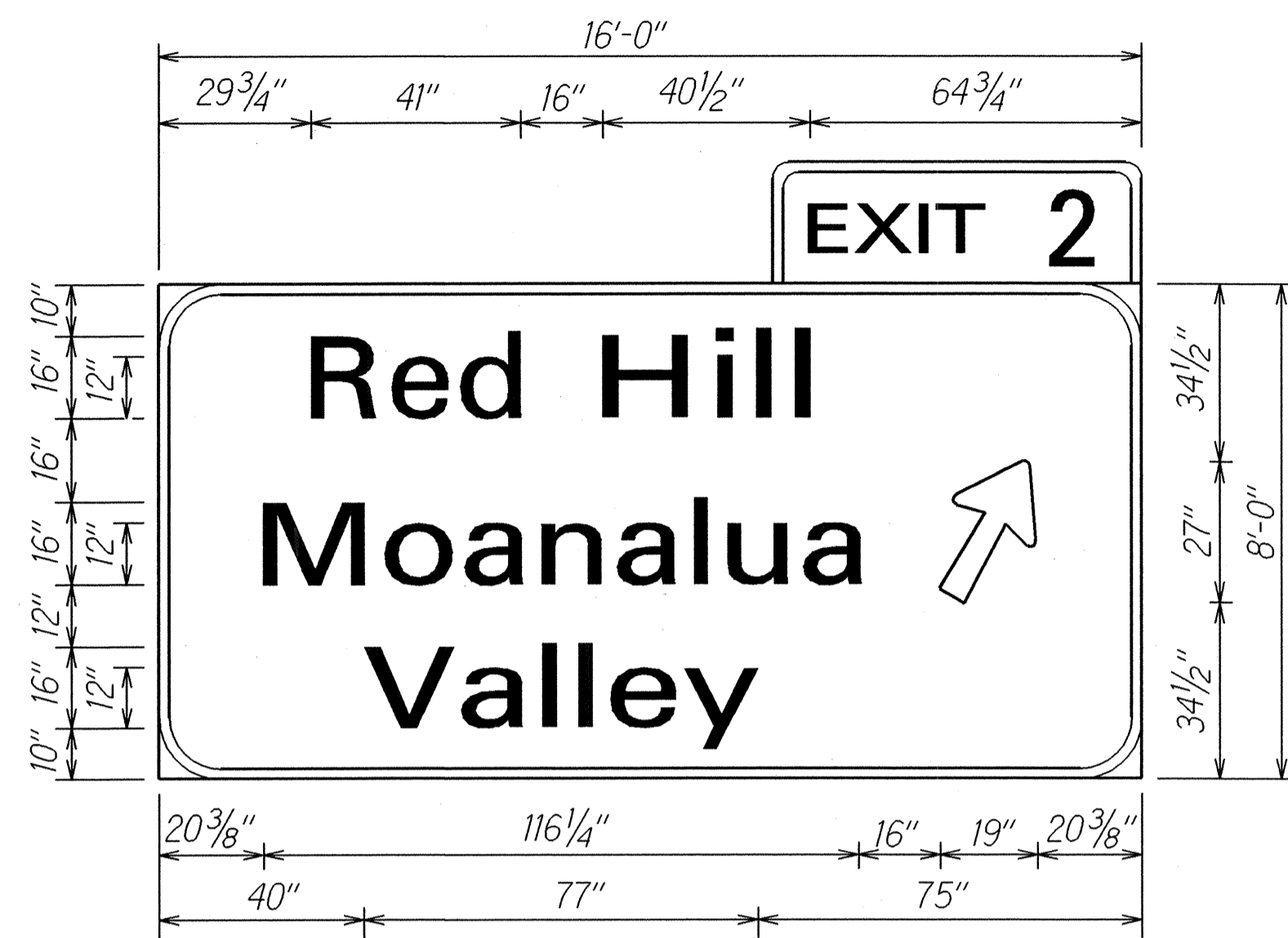


E-10
Sta. 201+70± Rt.

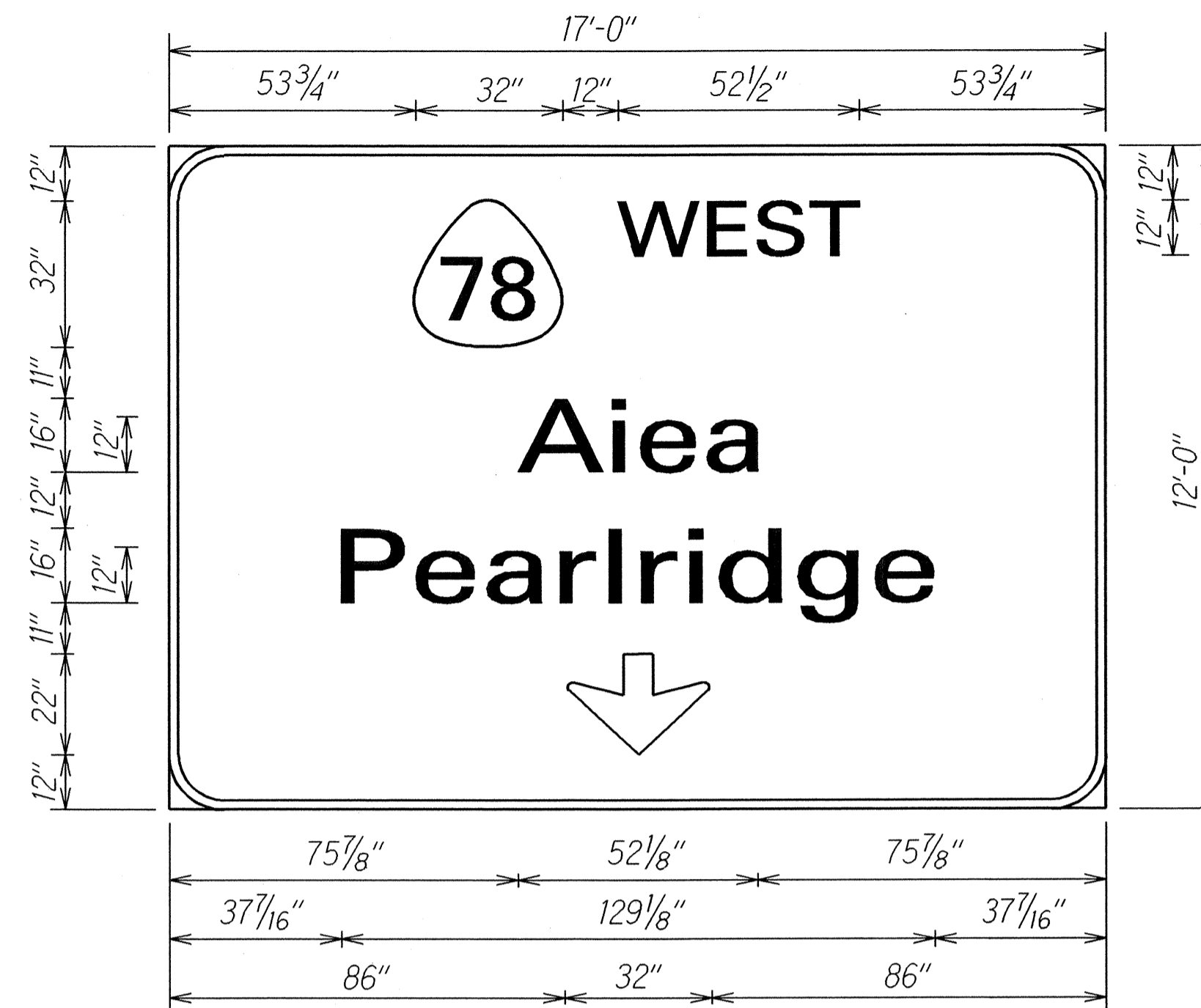
SURVEY PLOTTED BY	DATE
DESIGNED BY	
TRACED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
102/mjy	
N7/25/02/02	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
EXPRESSWAY SIGN
PANEL LAYOUTS
MOANALUA FREEWAY RESURFACING
Halawa Interchange to Kahauiki Interchange
Federal Aid Project DPI-0203(1)
Scale: 3/8"=1'-0" Date: June 2002

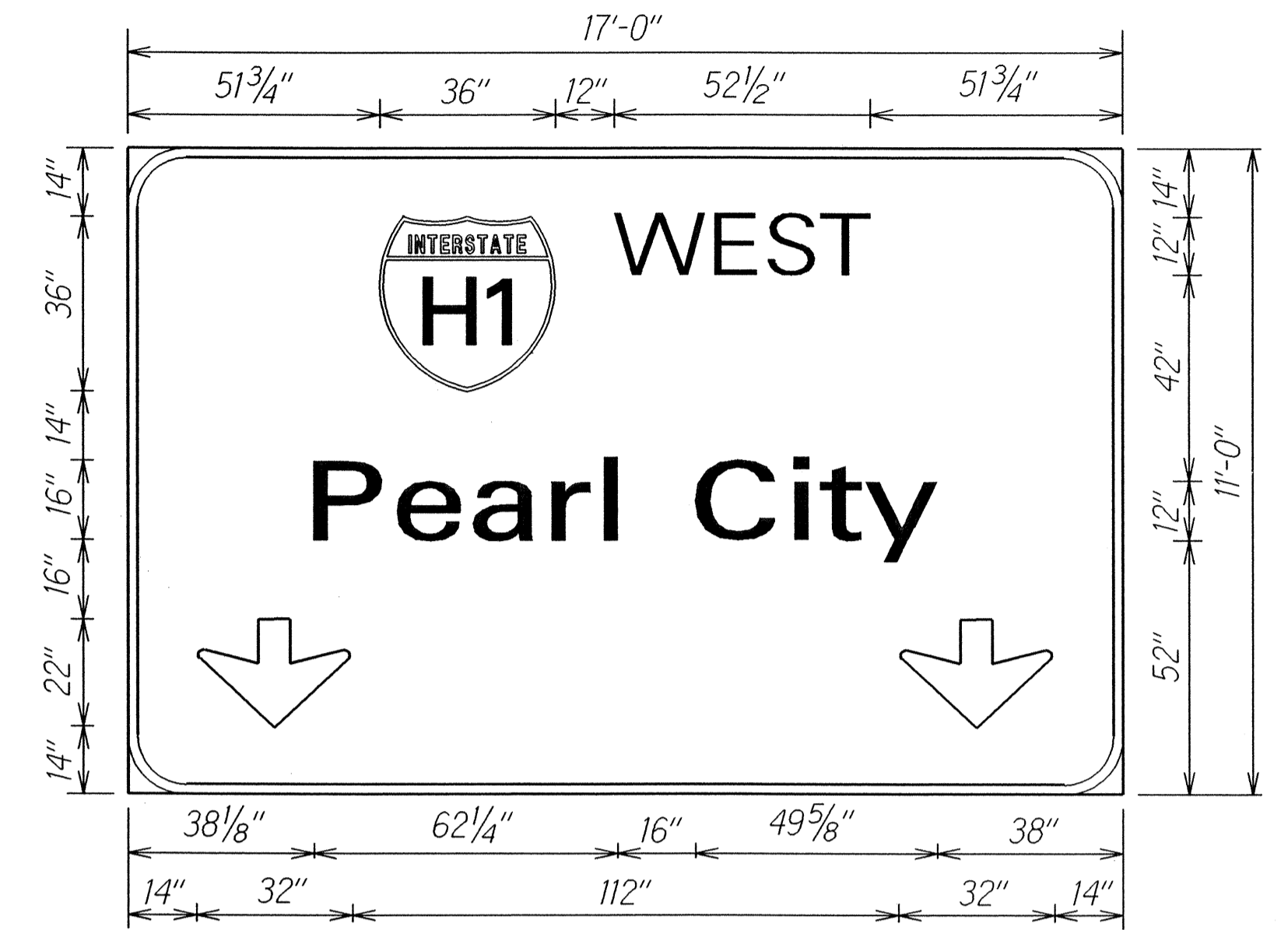
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	DPI-0203(1)	2003	44	234



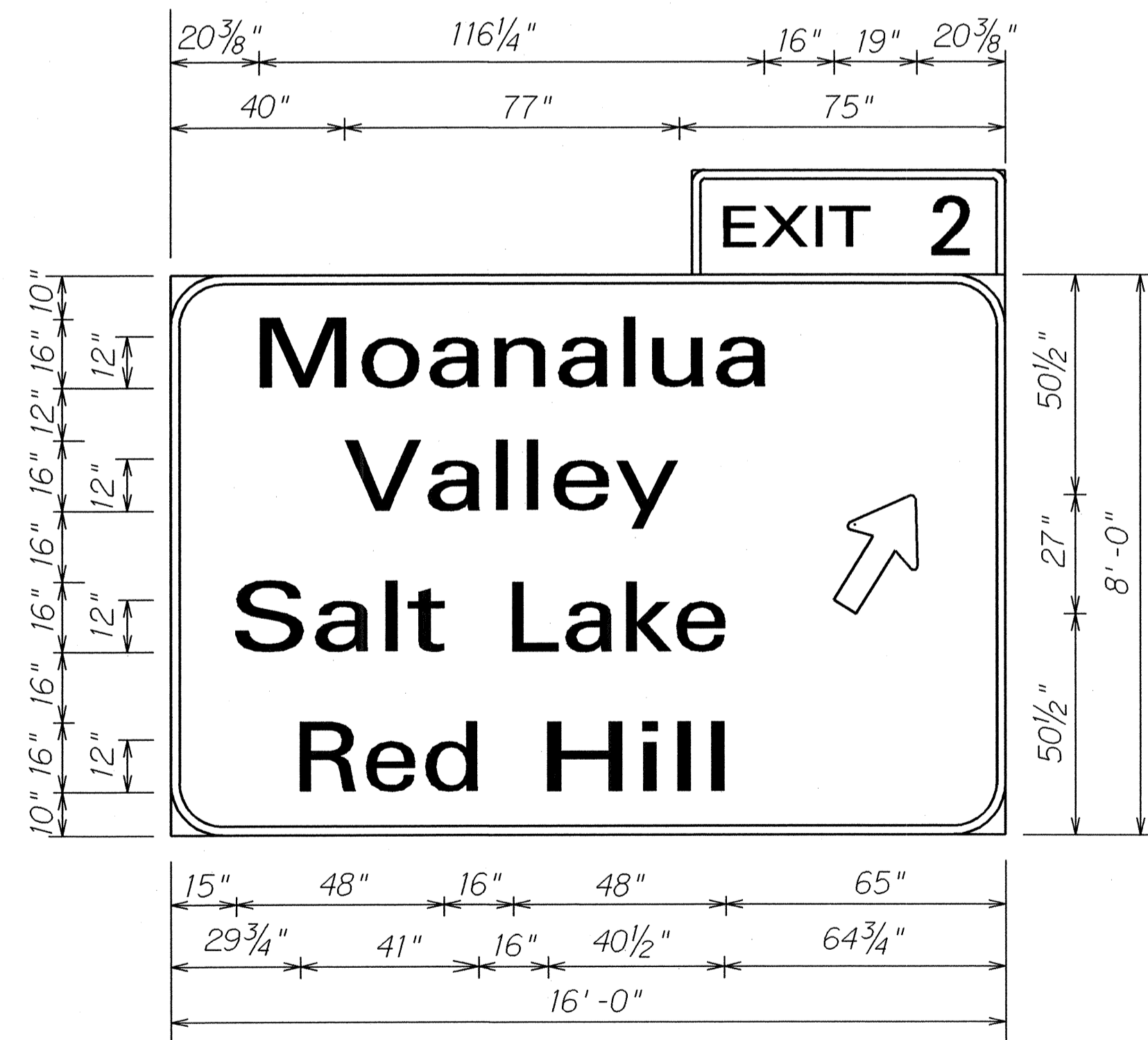
D-3
Sta. 208+00± Rt.



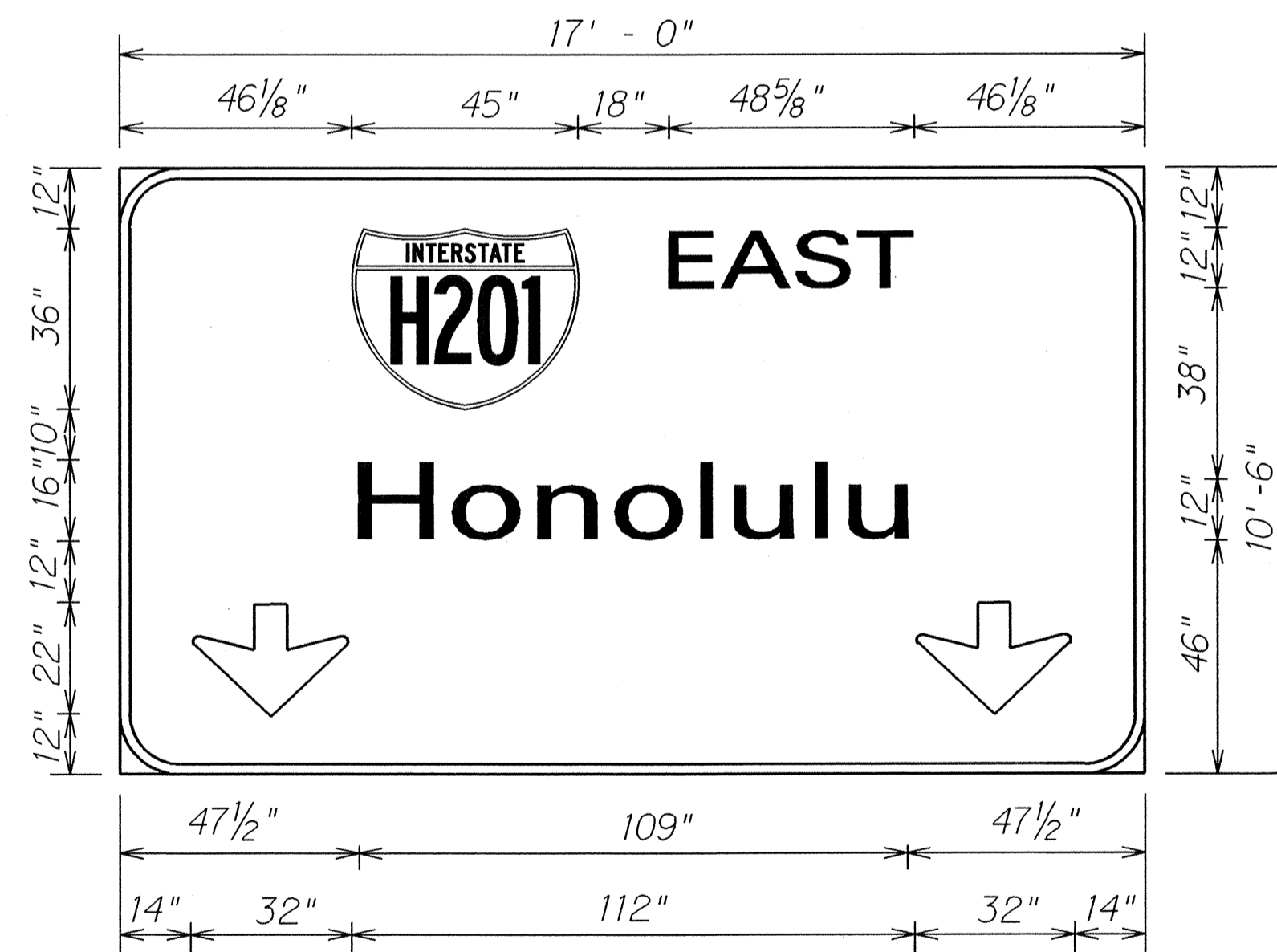
E-13
Sta. 226+00± Lt.



E-14
Sta. 226+00± Lt.



E-15
Sta. 264+00± Lt.



E-16
Sta. 277+00± Rt.

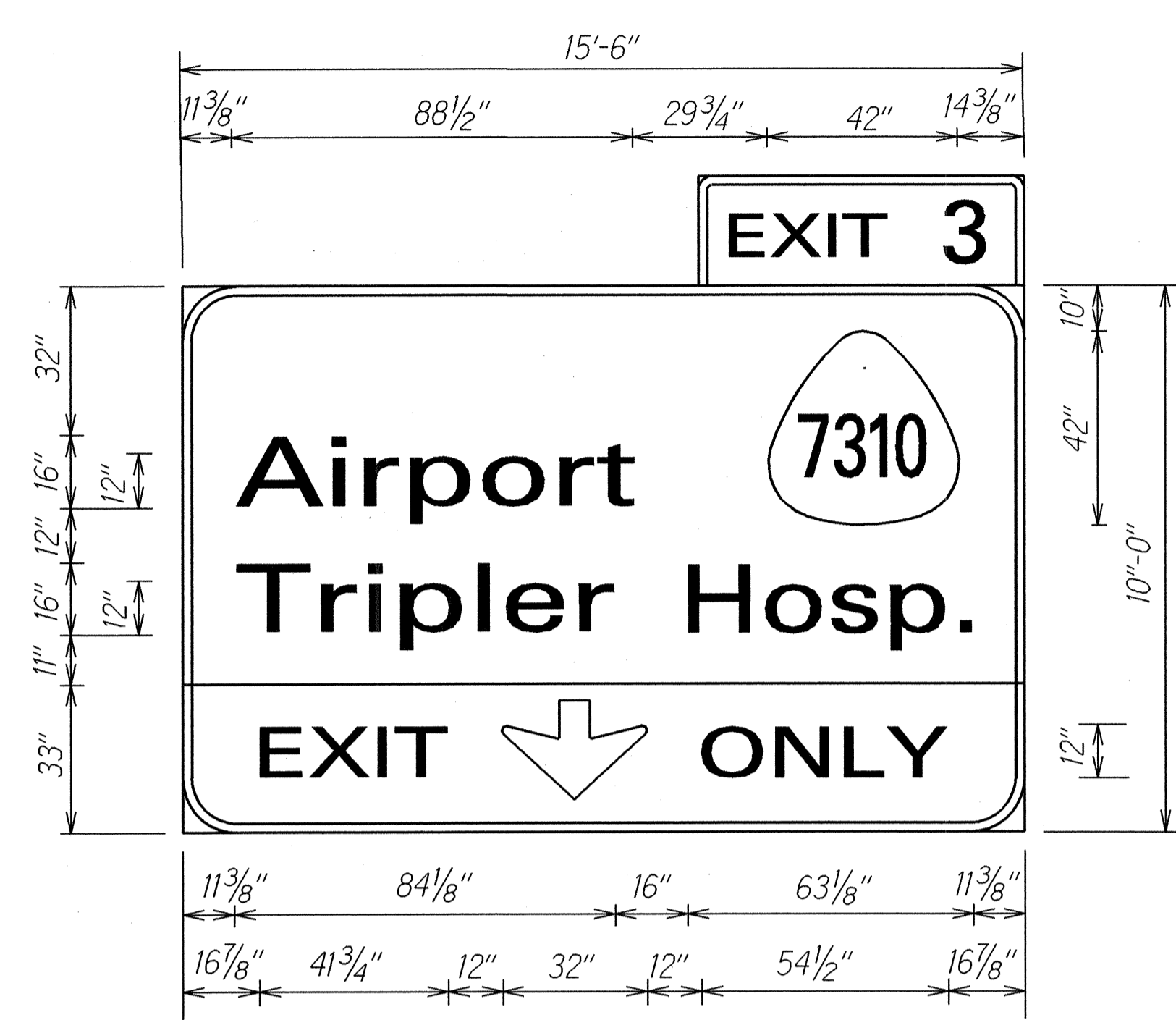


E-17 & E-21
Sta. 277+00± Rt. & Sta. 287+98± Rt.

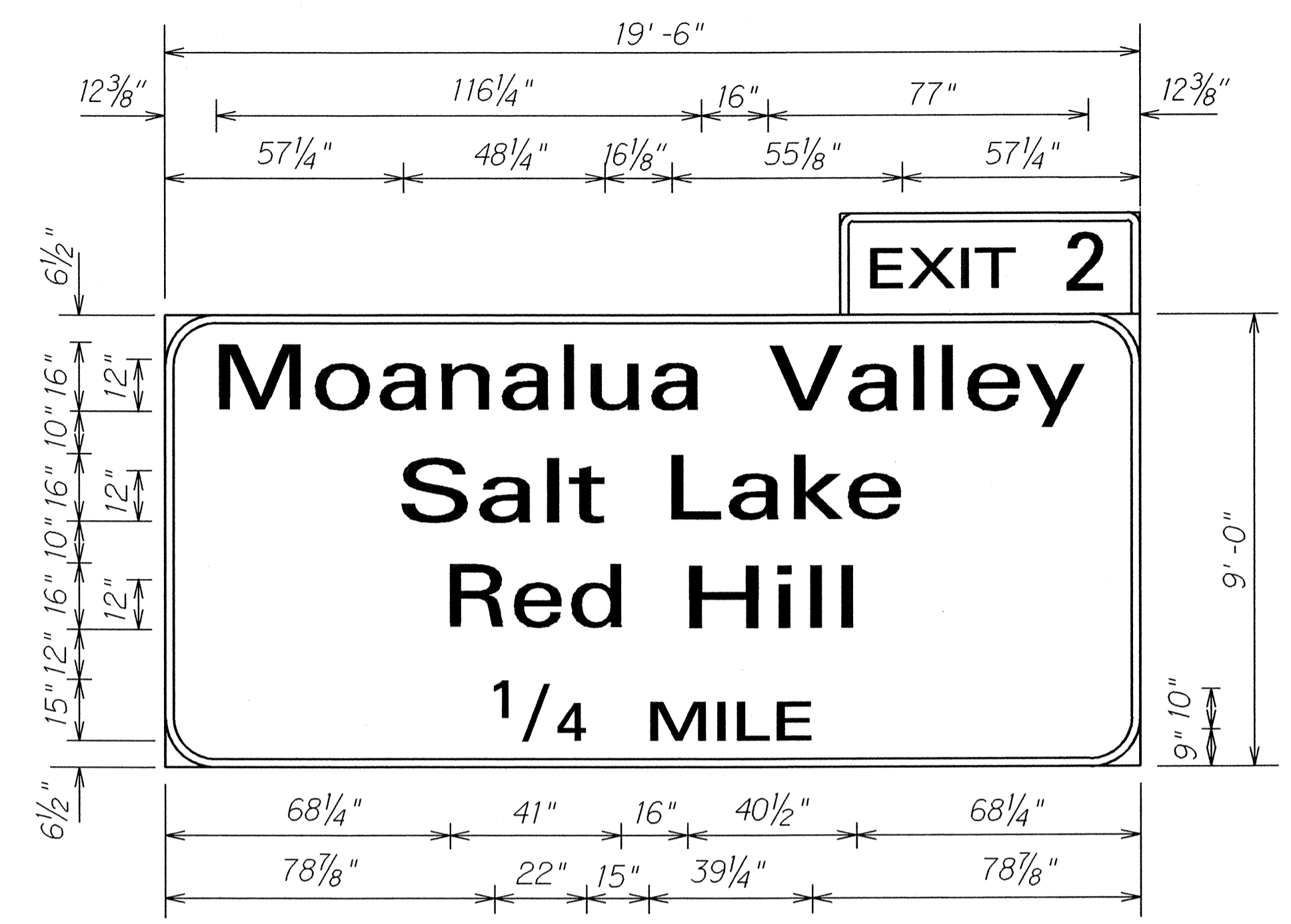
ORIGINAL PLAN	DATE	BY
DESIGNED BY		
DESIGNED BY		
QUANTITIES BY		
CHECKED BY		

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**EXPRESSWAY SIGN
PANEL LAYOUTS**
MOANALUA FREEWAY RESURFACING
Halawa Interchange to Kahauiki Interchange
Federal Aid Project DPI-0203(1)
Scale: 3/8"=1'-0" Date: June 2002
SHEET No. 118 OF 25 SHEETS

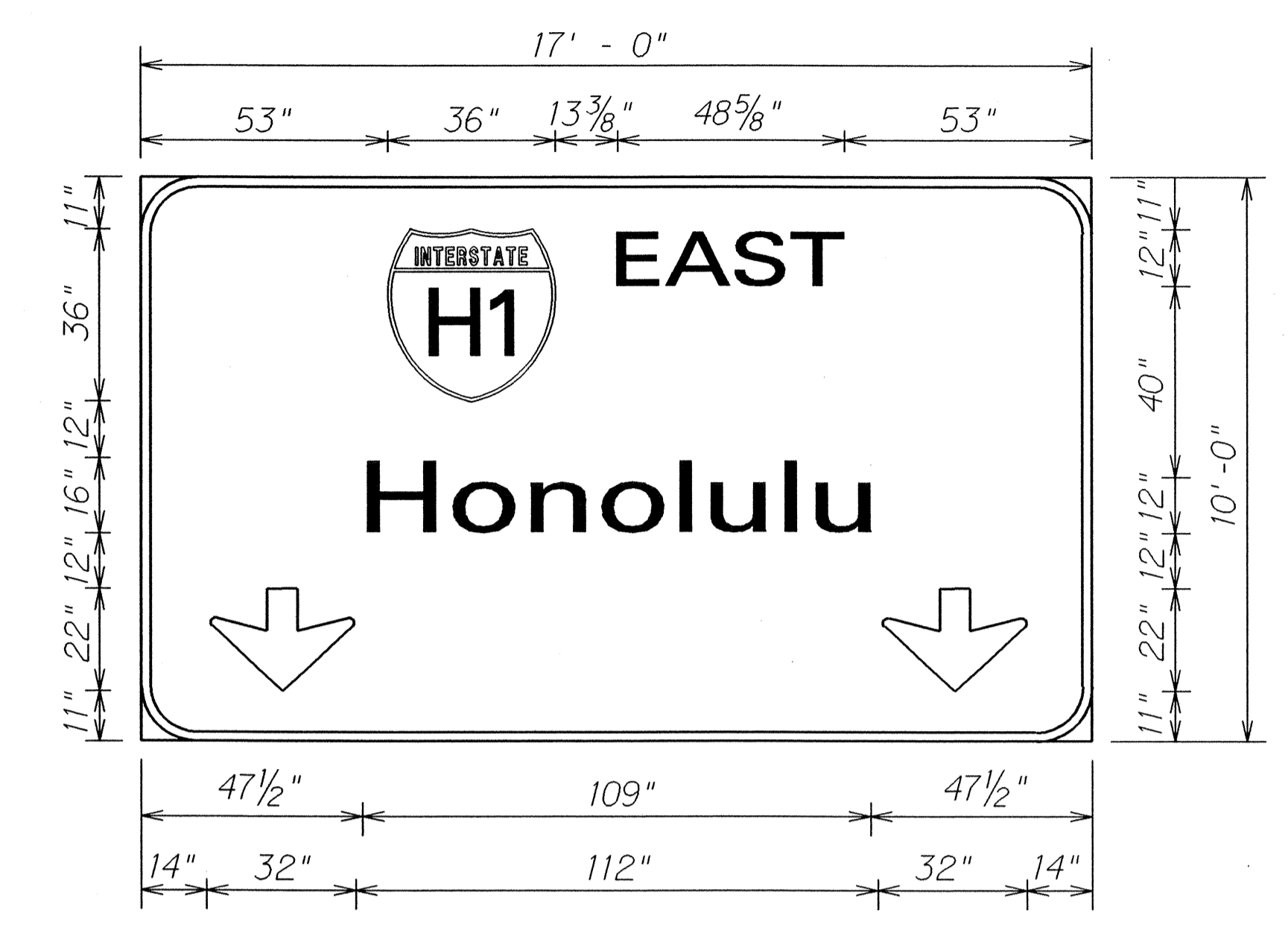
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	DPI-0203(1)	2003	45	234



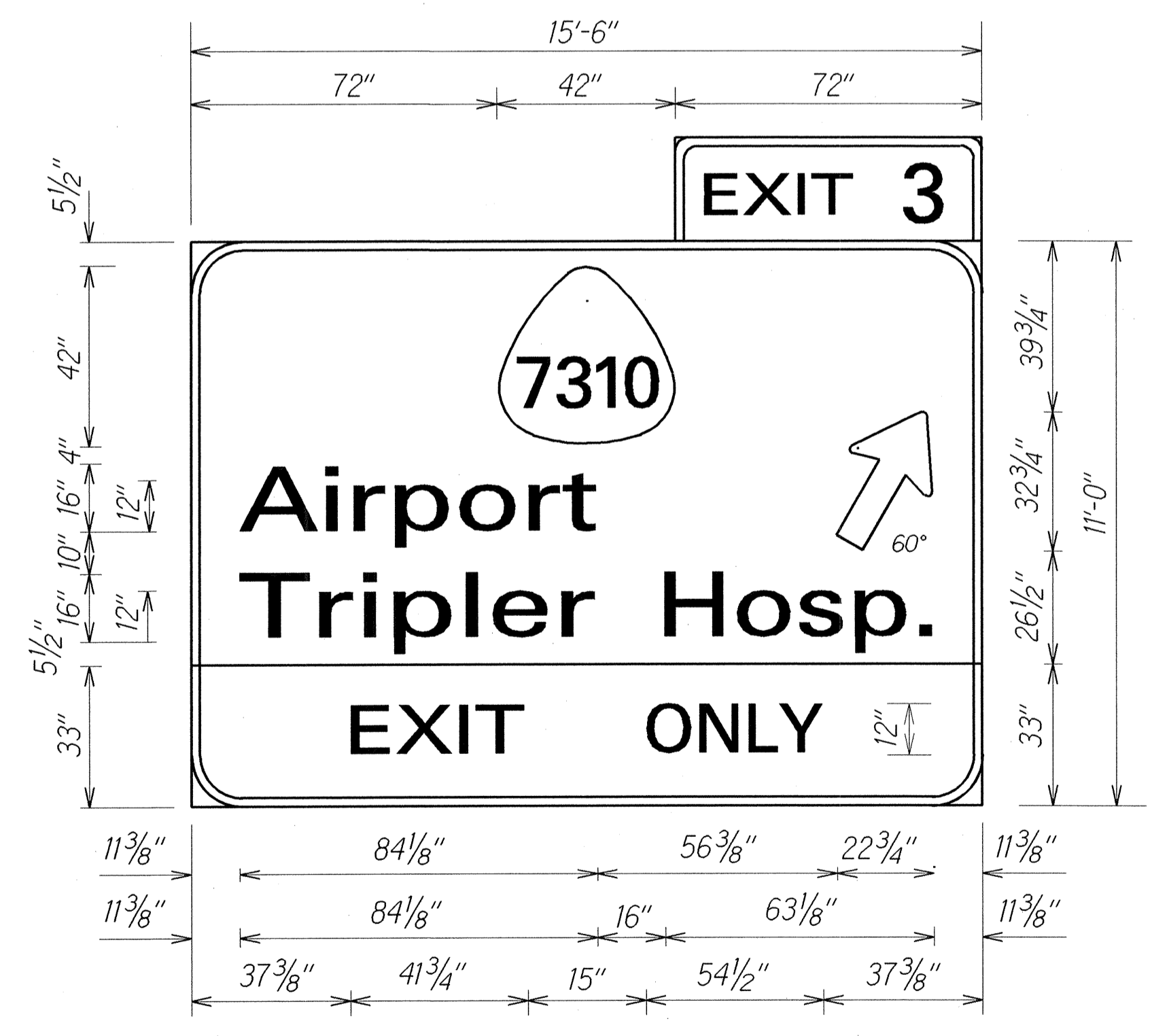
E-18
 Ⓜ Sta. 277+00± Rt.



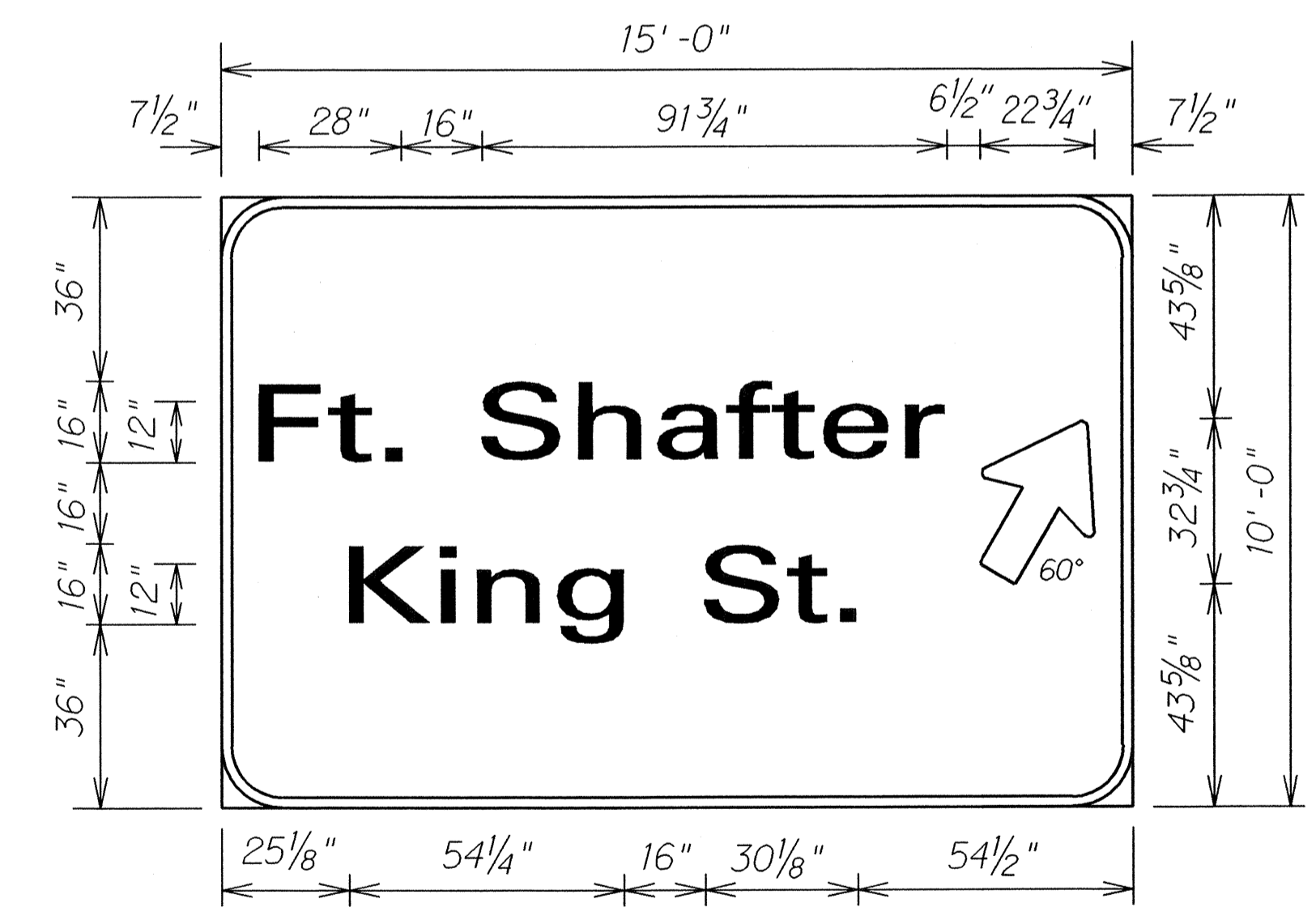
E-19
 Ⓜ Sta. 281+85± Lt.



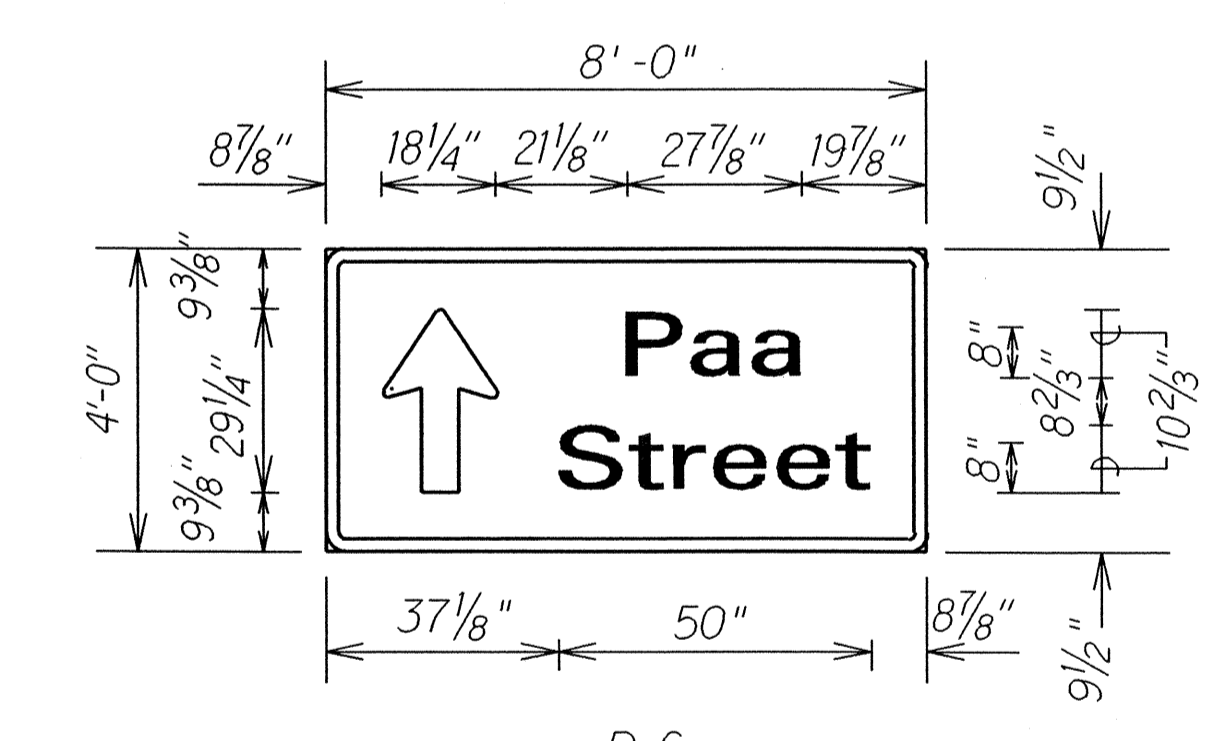
E-20 & E-23
 Ⓜ Sta. 287+98± Rt. & Ⓜ Sta. 310+00± Rt.



E-22
 Ⓜ Sta. 287+98± Rt.



E-24
 Ⓜ Sta. 310+00± Rt.

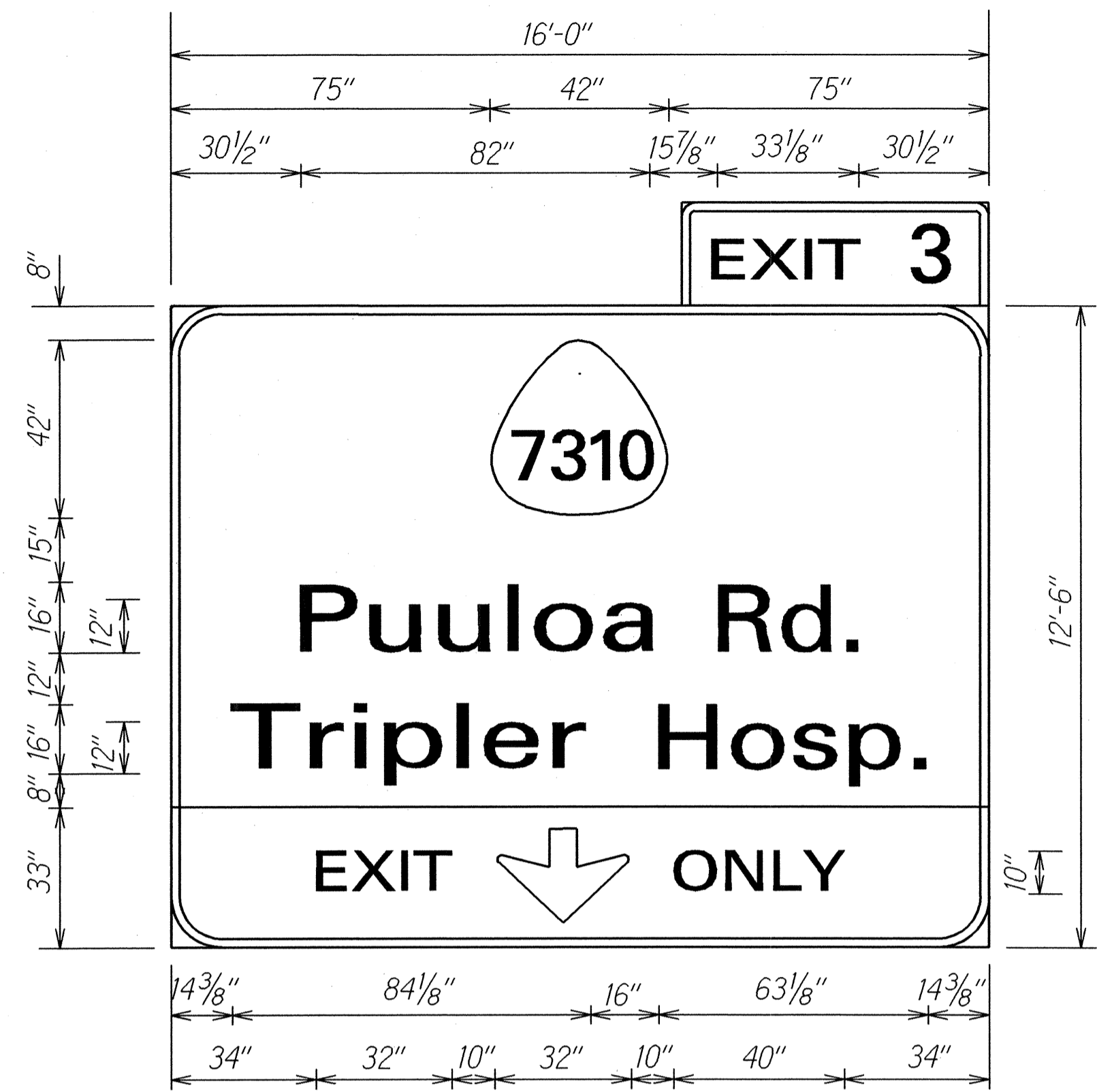


D-6
 Ⓜ Sta. 287+53± Rt.

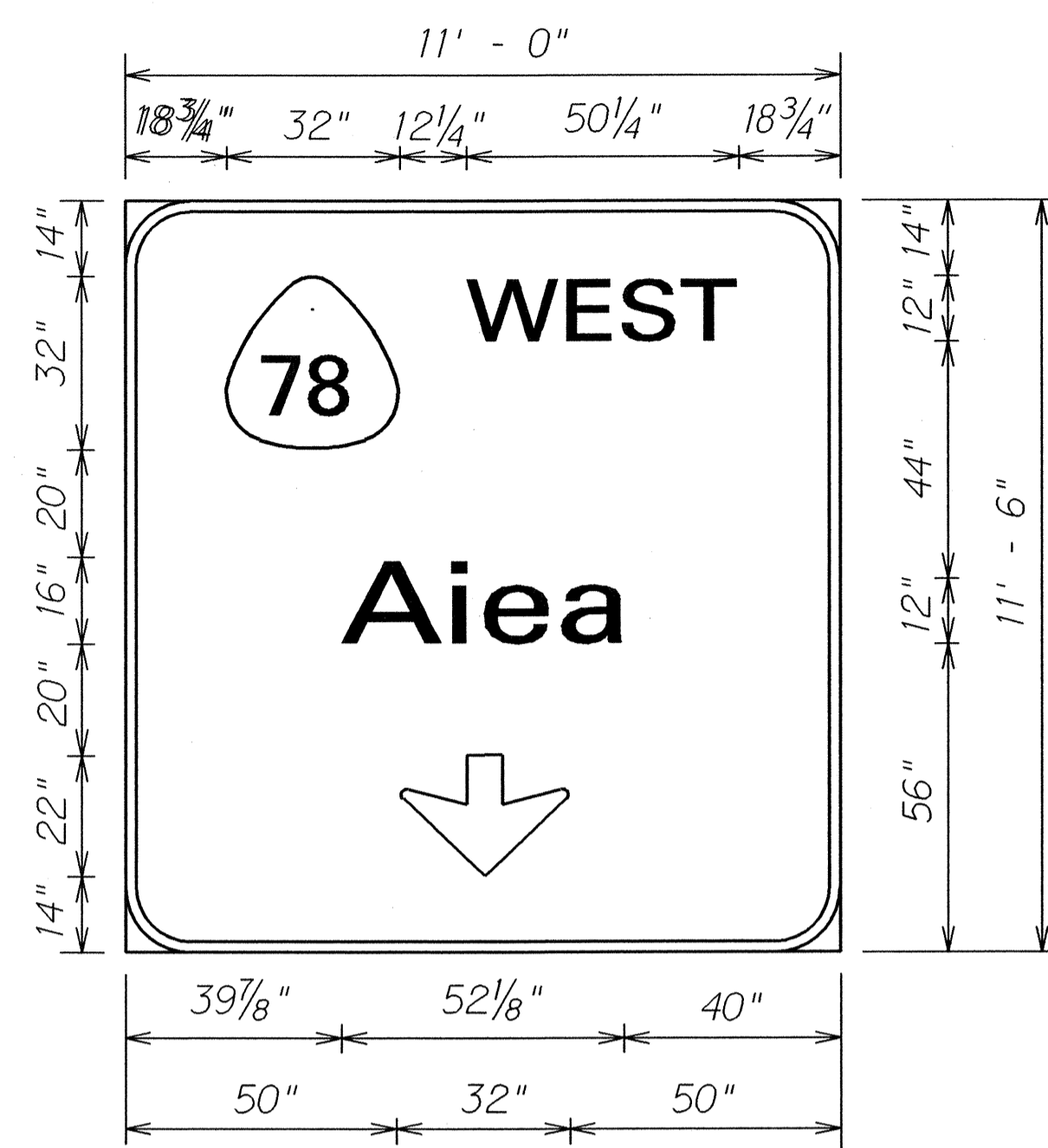
SURVEY PLOTTED BY	DATE
DESIGNED BY	
TRACED BY	
NOTE BOOK	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
EXPRESSWAY SIGN
PANEL LAYOUTS
 MOANALUA FREEWAY RESURFACING
 Halawa Interchange to Kahauiki Interchange
 Federal Aid Project DPI-0203(1)
 Scale: 3/8"=1'-0" Date: June 2002
 SHEET No. T19 OF 25 SHEETS

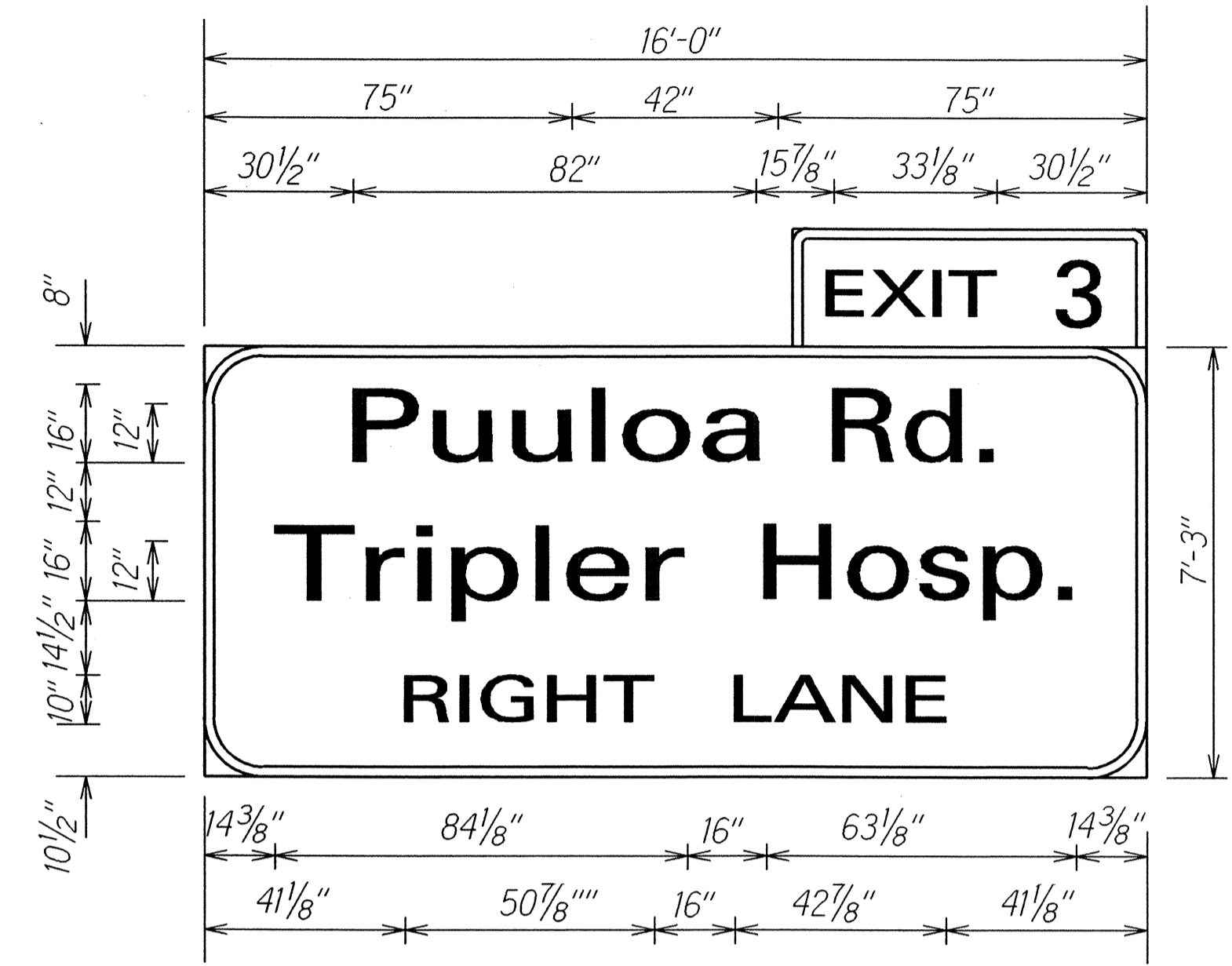
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	DPI-0203(1)	2003	46	234



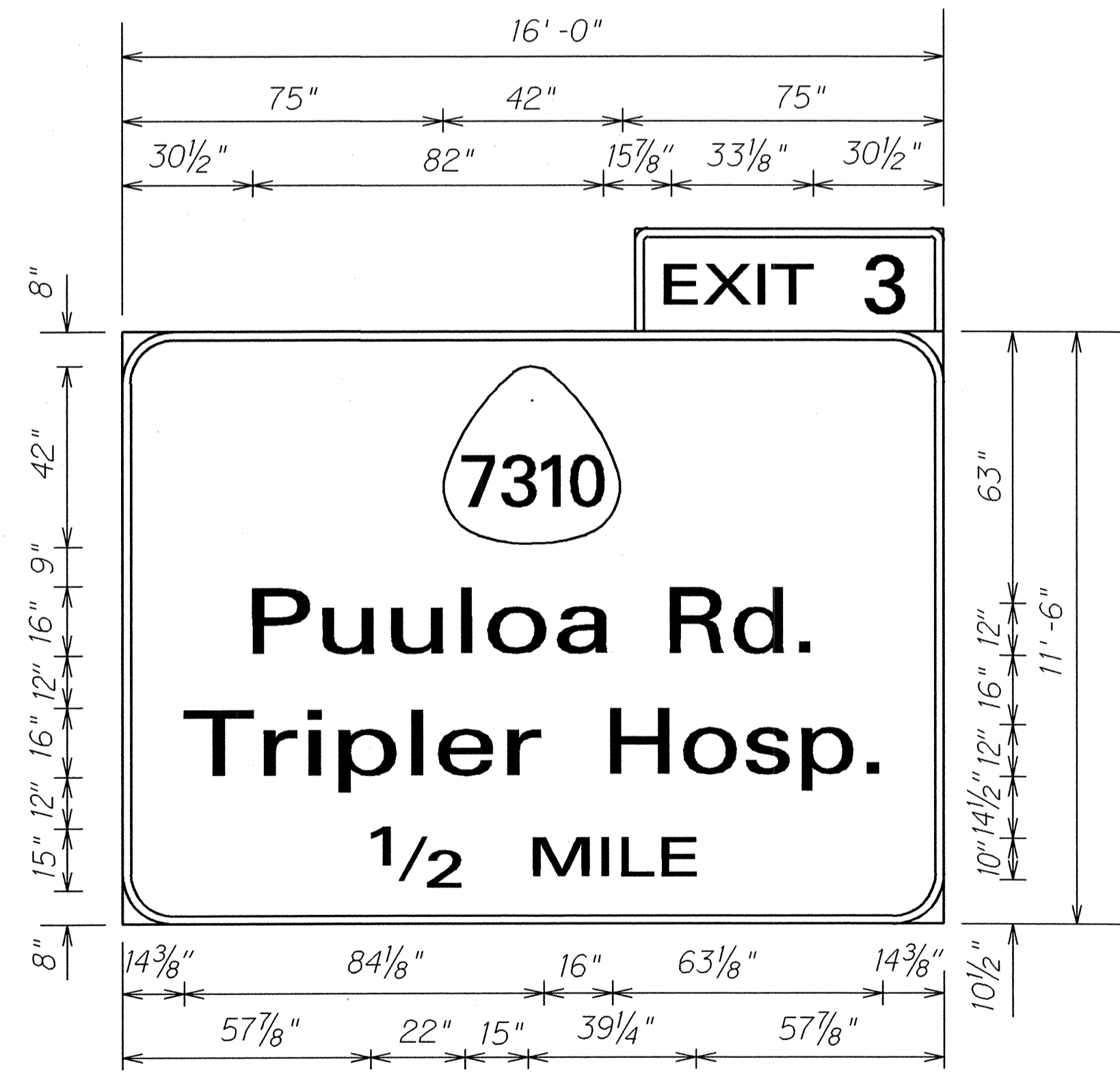
E-25
Sta. 323+45± Lt.



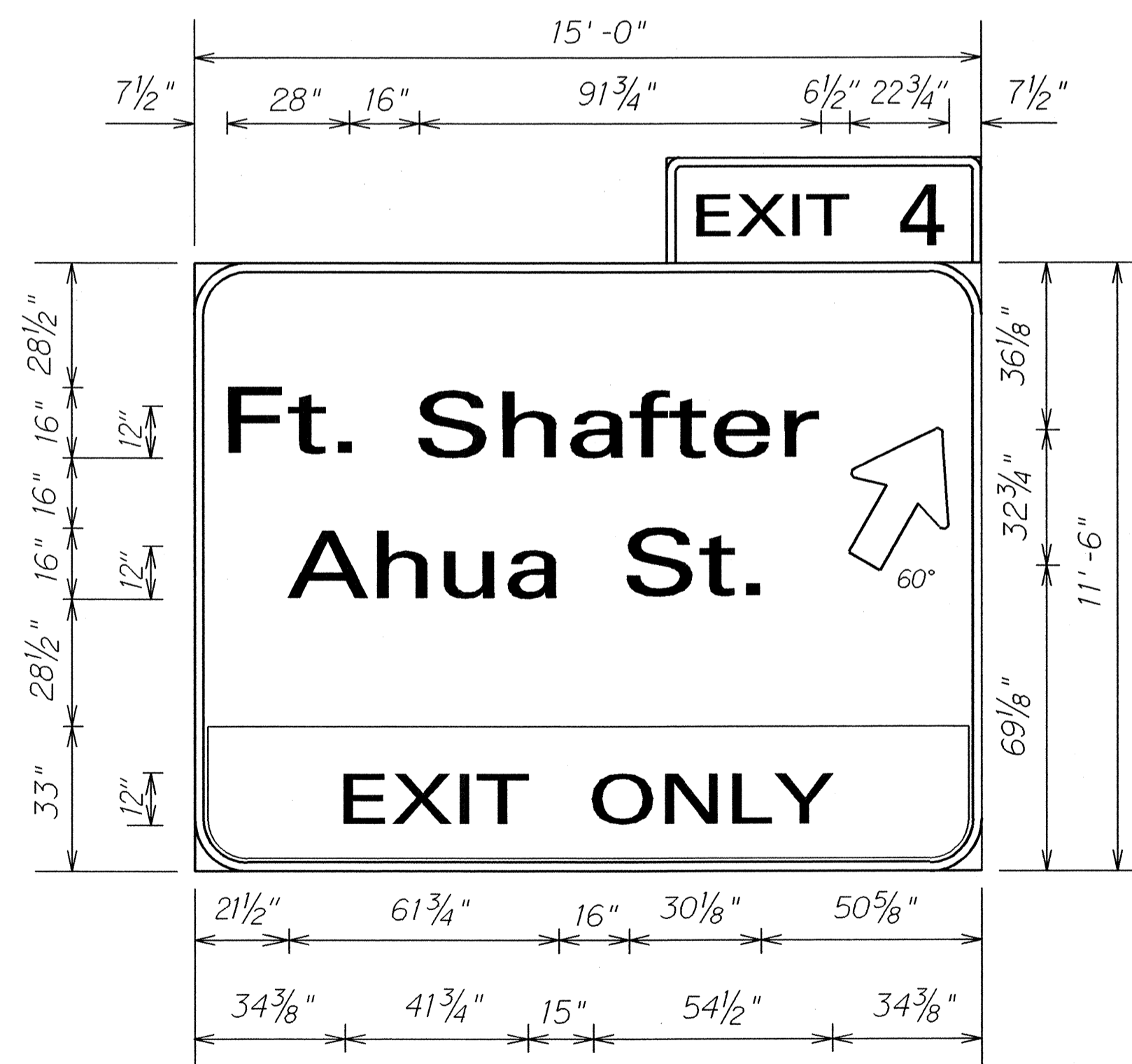
E-26
Sta. 351+25± Lt.



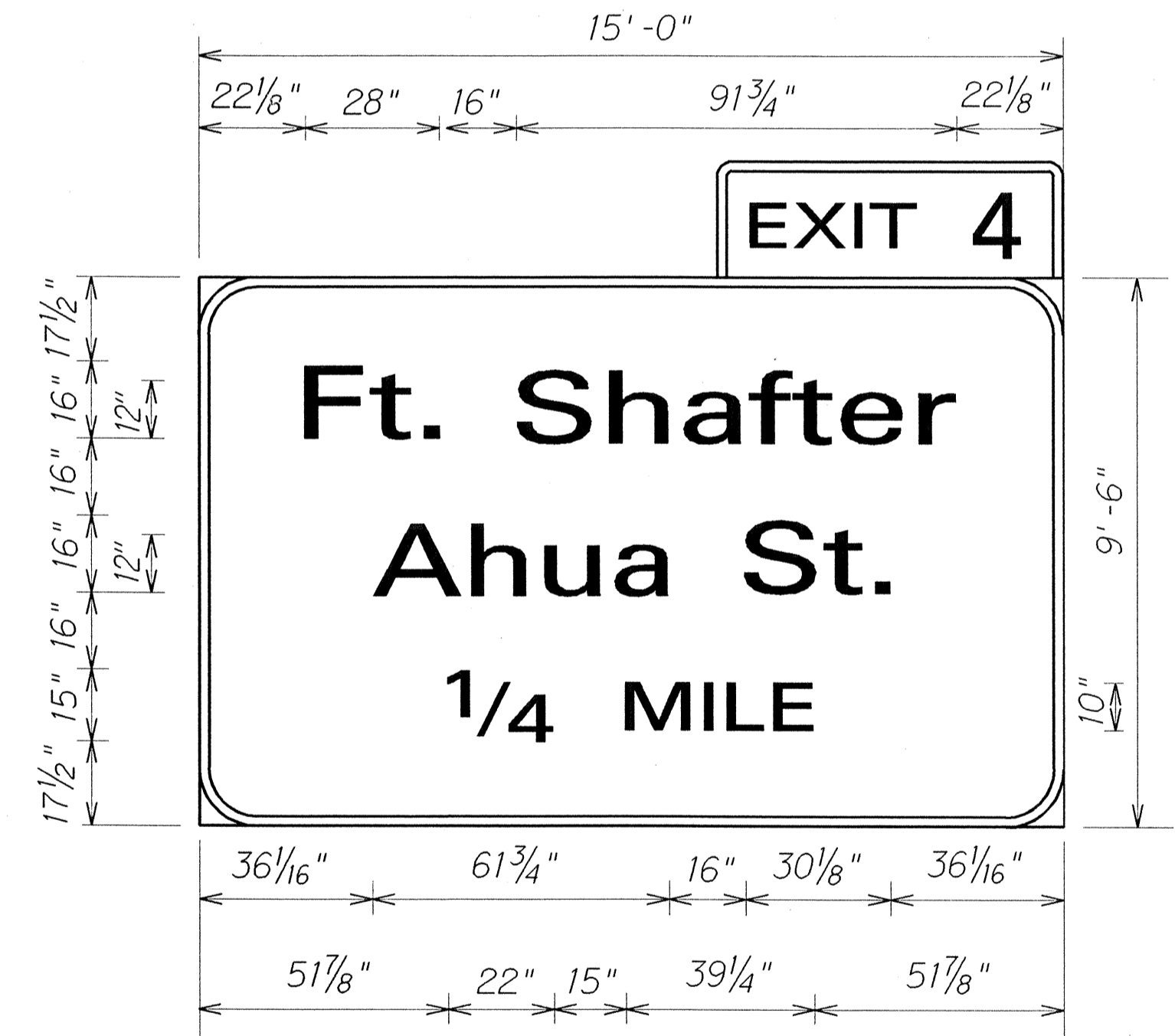
D-9
Sta. 332+80± Lt.



E-27
Sta. 351+25± Lt.



E-28
Sta. 351+25± Lt.

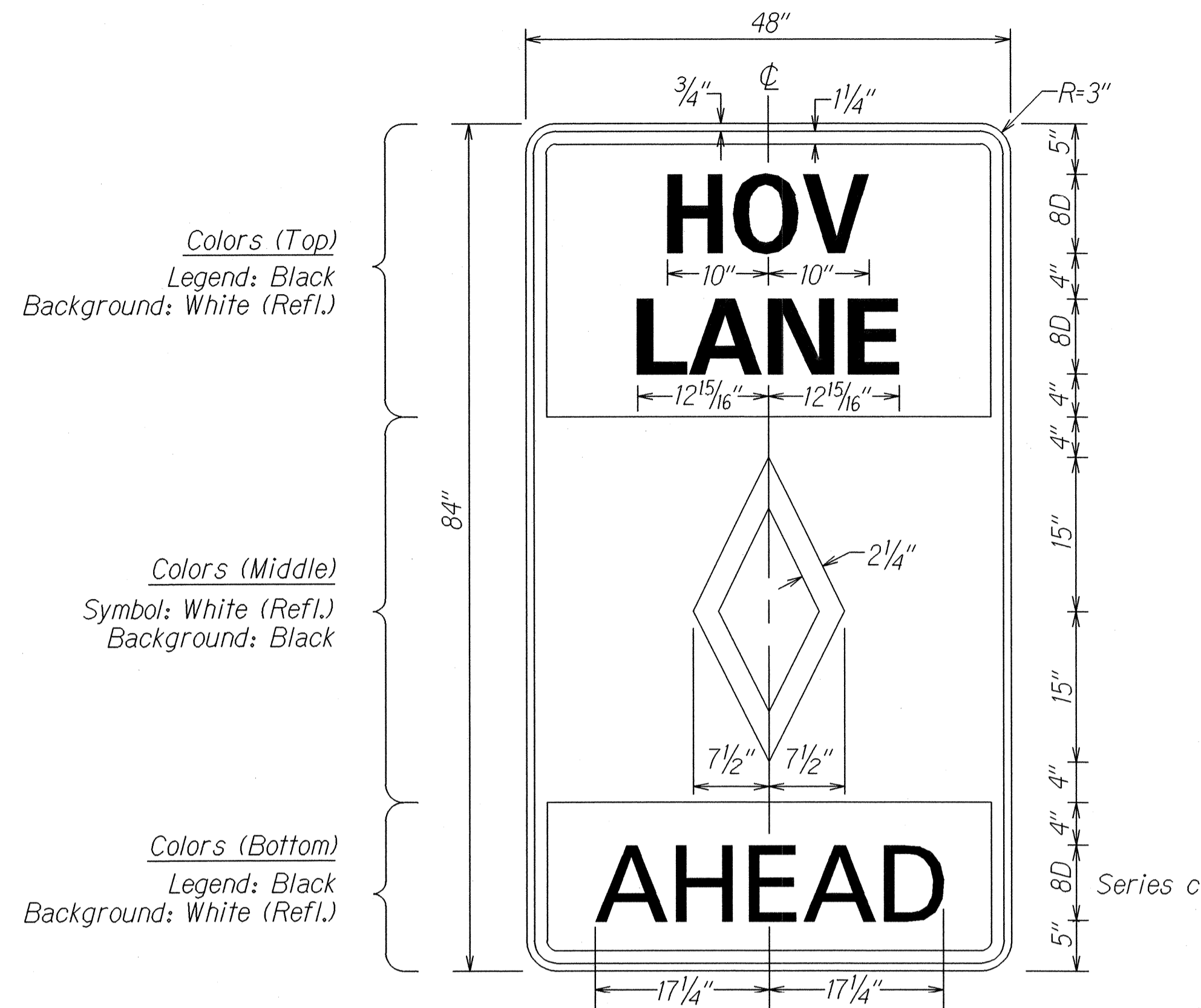


E-29
Sta. 9+60± Lt.

ORIGINAL PLAN	DATE
NOTED	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
EXPRESSWAY SIGN
PANEL LAYOUTS
MOANALUA FREEWAY RESURFACING
Halawa Interchange to Kahauiki Interchange
Federal Aid Project DPI-0203(1)
Scale: 3/8"=1'-0" Date: June 2002
SHEET No. T20 OF 25 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	DPI-0203(1)	2003	47	234



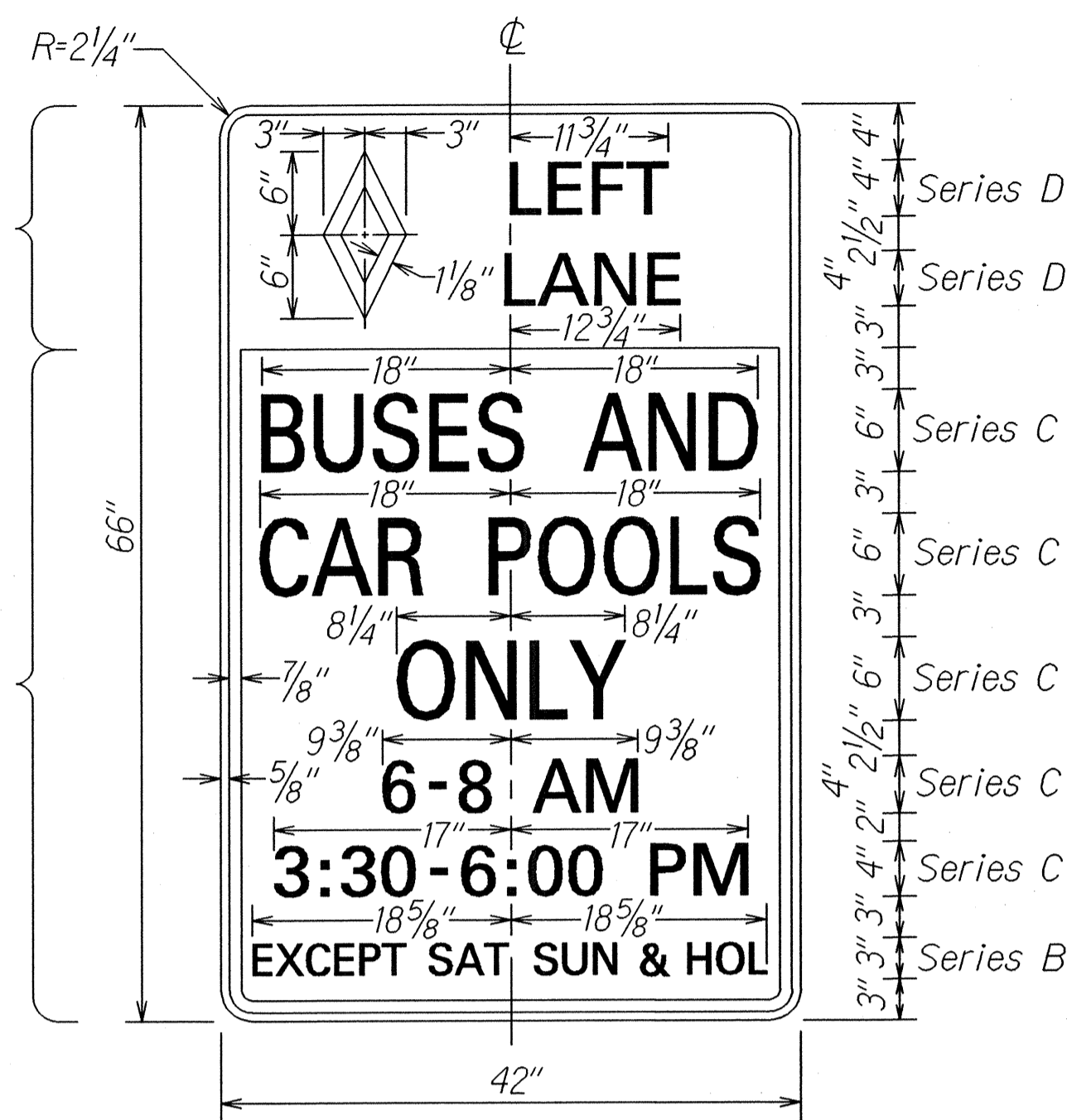
Colors (Top)
Legend: Black
Background: White (Ref.)

Colors (Middle)
Symbol: White (Ref.)
Background: Black

Colors (Bottom)
Legend: Black
Background: White (Ref.)

NOTE: For R3-10 Series Signs, Suffixes b, c, d, e, and f are as Follows:
b-1500 FT. c-1000 FT. d-500 FT.
e-AHEAD f-BEGIN.

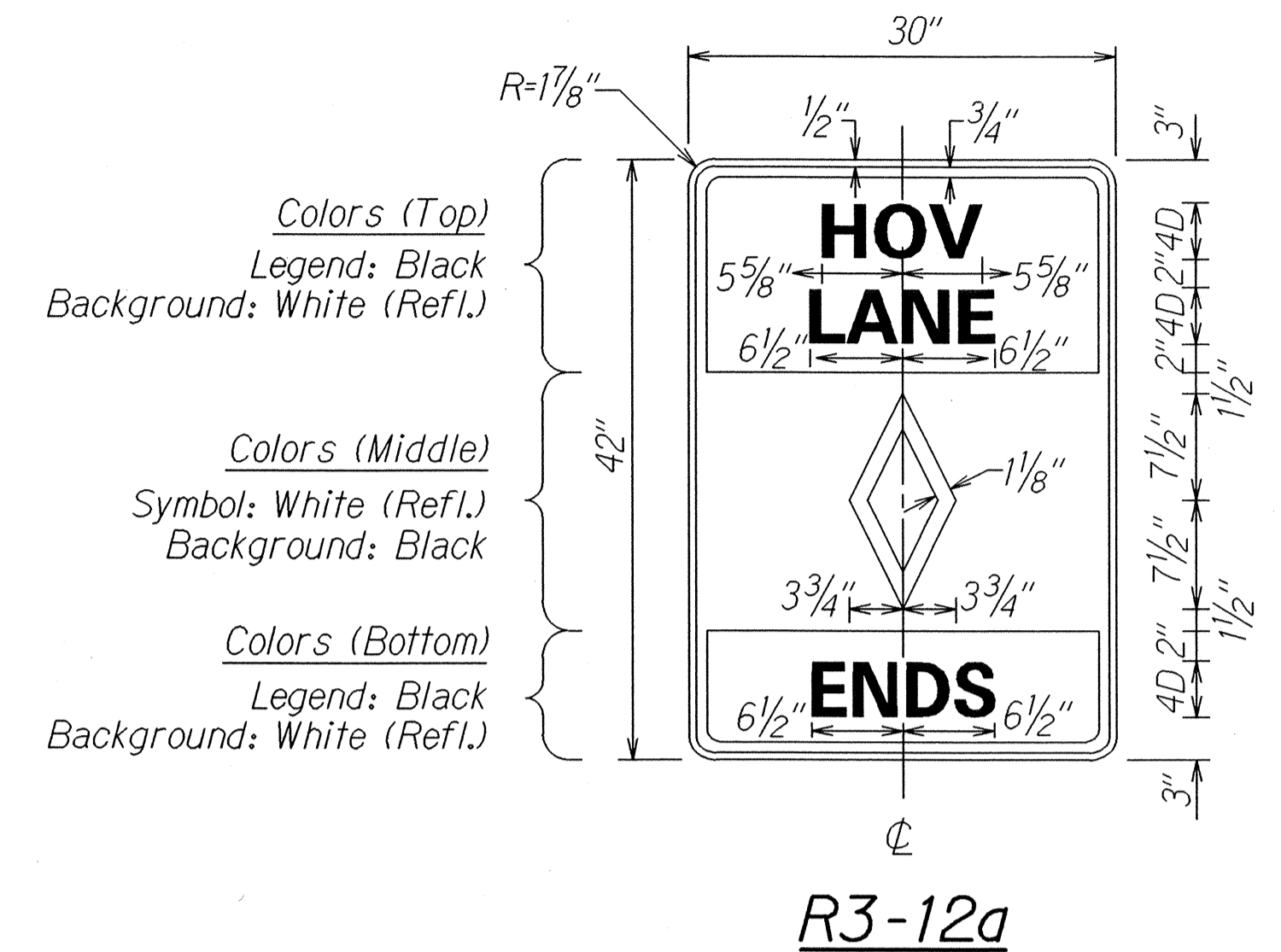
R3-12c



Colors (Top)
Legend, Symbol: White (Ref.)
Background: Black

Colors (Bottom)
Legend: Black
Background: White (Ref.)

R3-11a

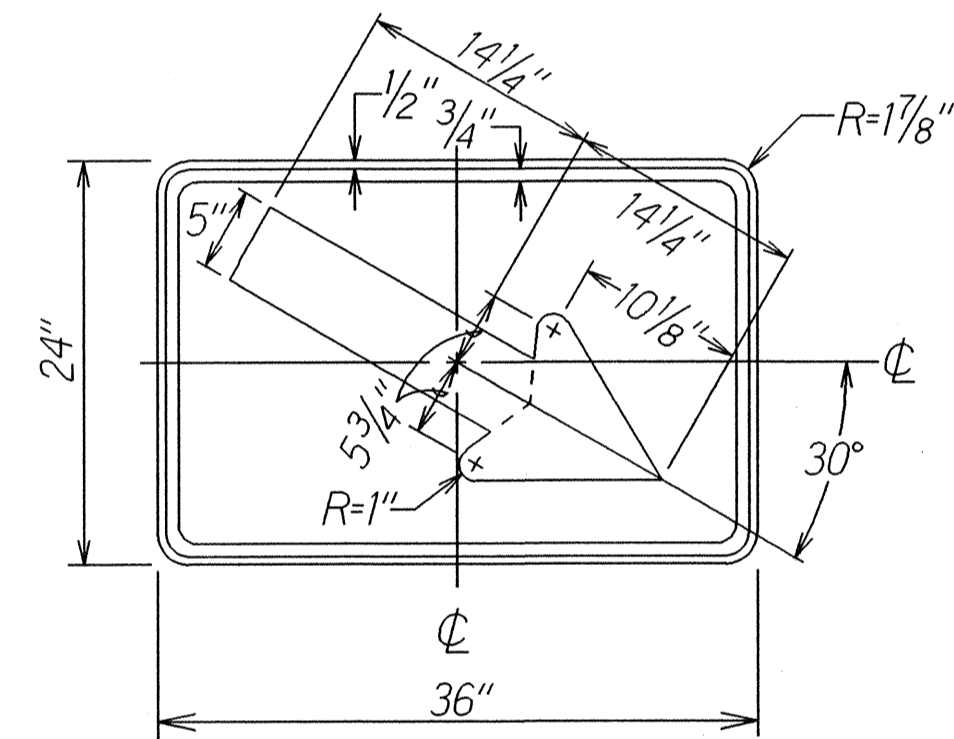


Colors (Top)
Legend: Black
Background: White (Ref.)

Colors (Middle)
Symbol: White (Ref.)
Background: Black

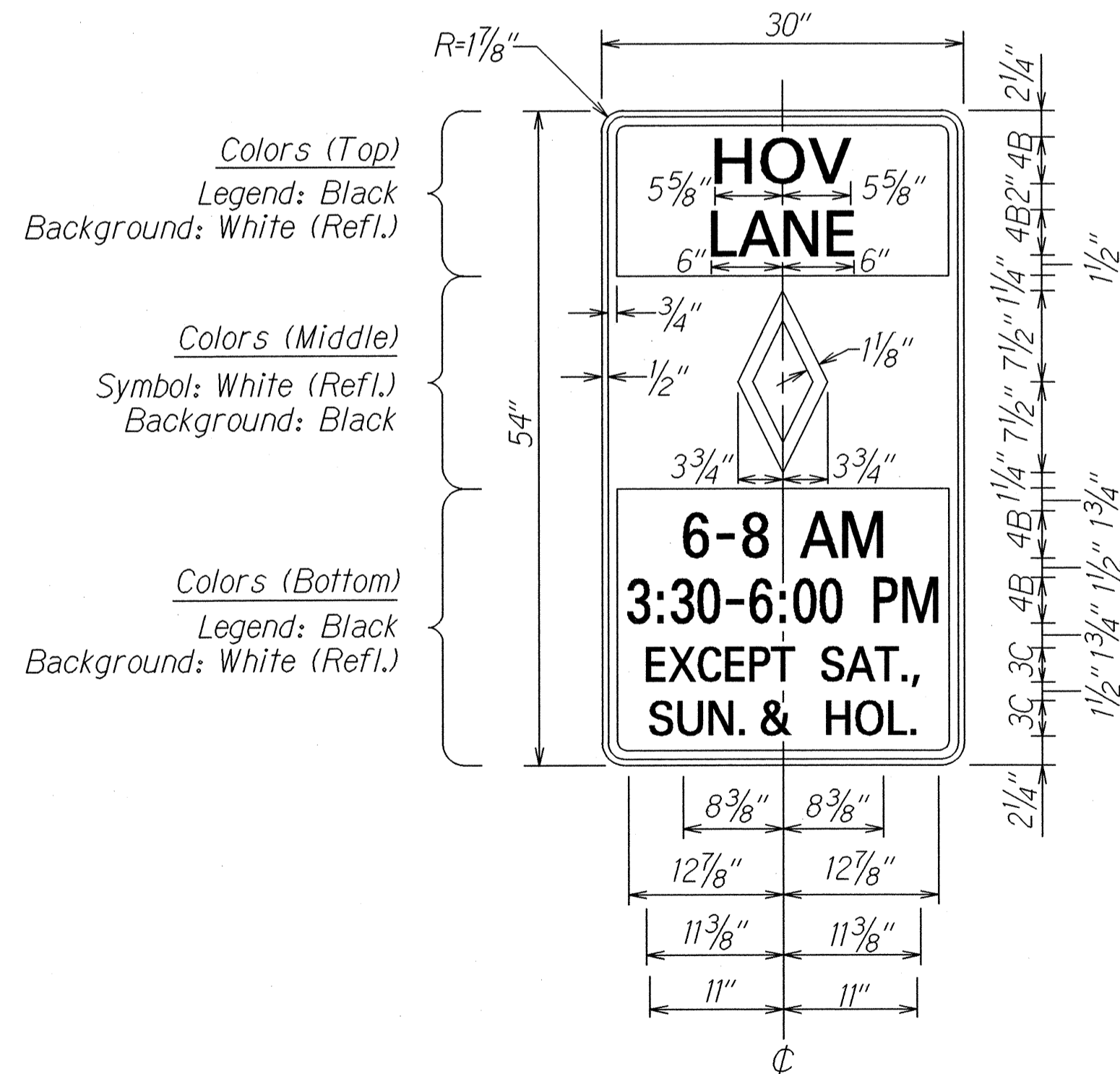
Colors (Bottom)
Legend: Black
Background: White (Ref.)

R3-12a



Colors
Legend: Black
Background: White (Ref.)

R3-12g

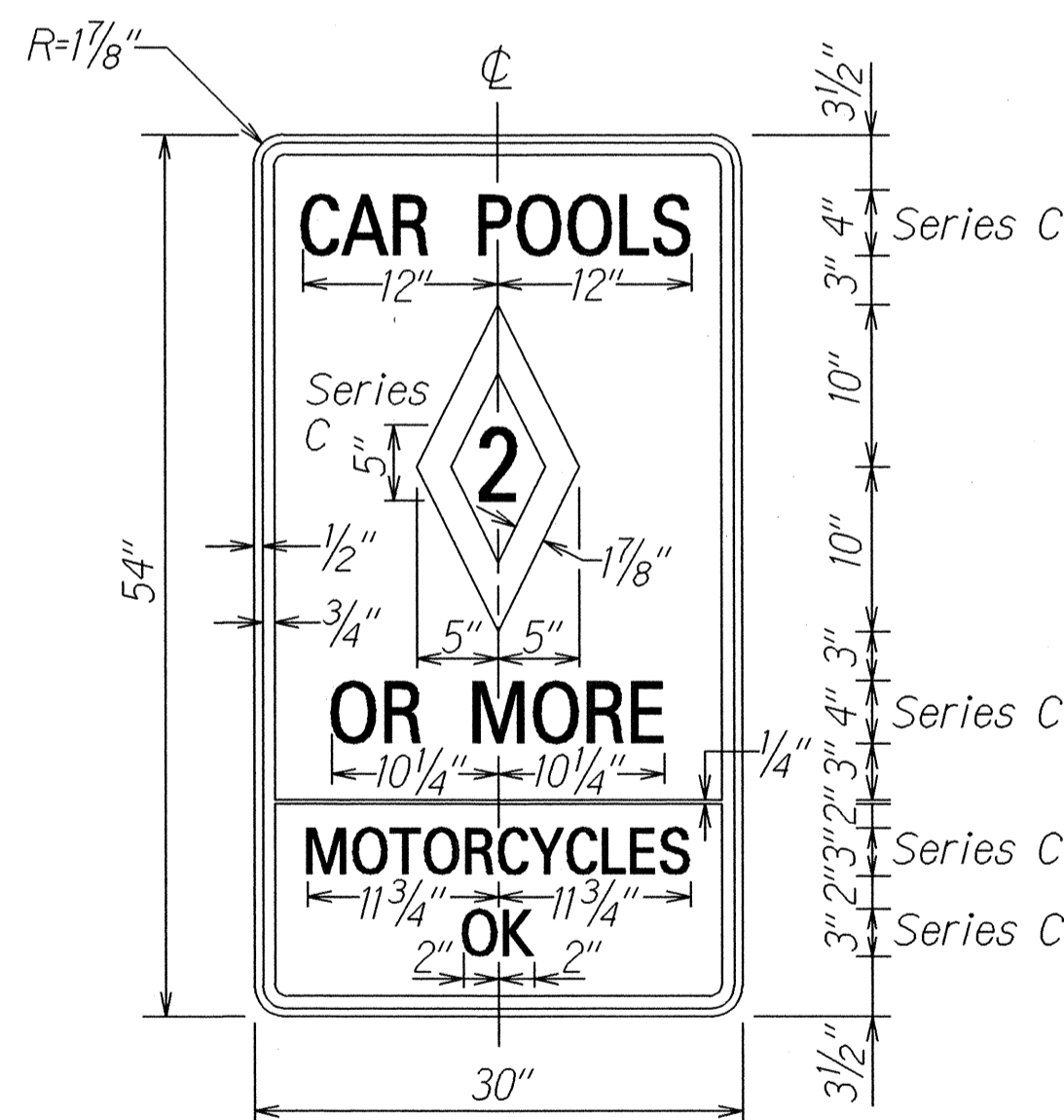


Colors (Top)
Legend: Black
Background: White (Ref.)

Colors (Middle)
Symbol: White (Ref.)
Background: Black

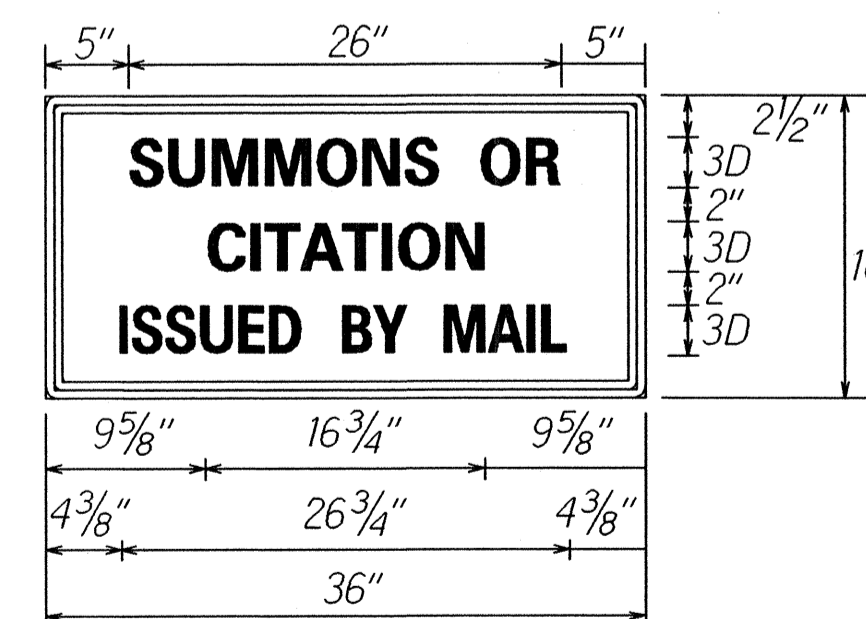
Colors (Bottom)
Legend: Black
Background: White (Ref.)

R3-19



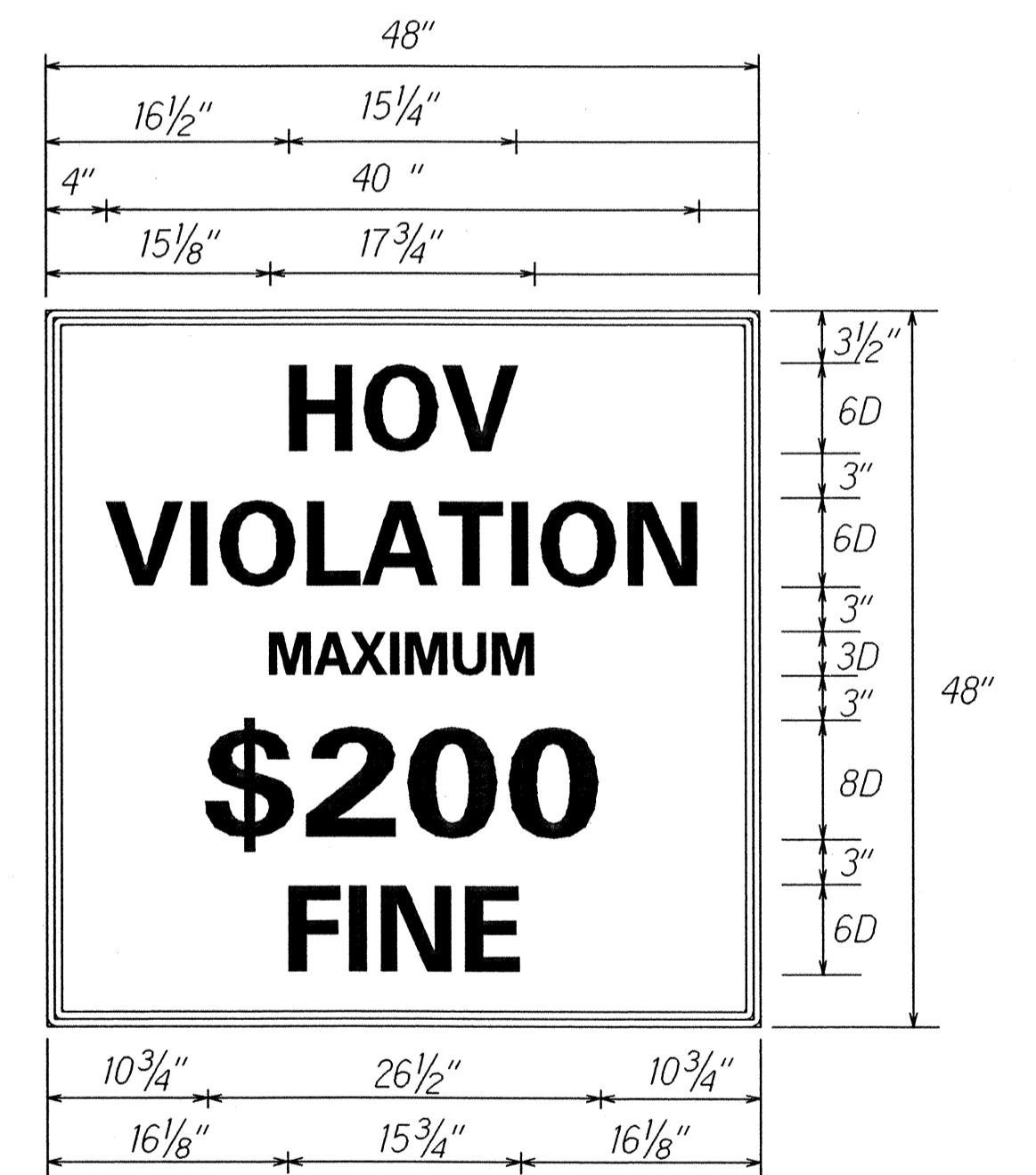
Colors
Legend, Number, Symbol: Black
Background: White (Ref.)

R3-18



Legend shall be black
Background shall be white

R3-20 Supplement

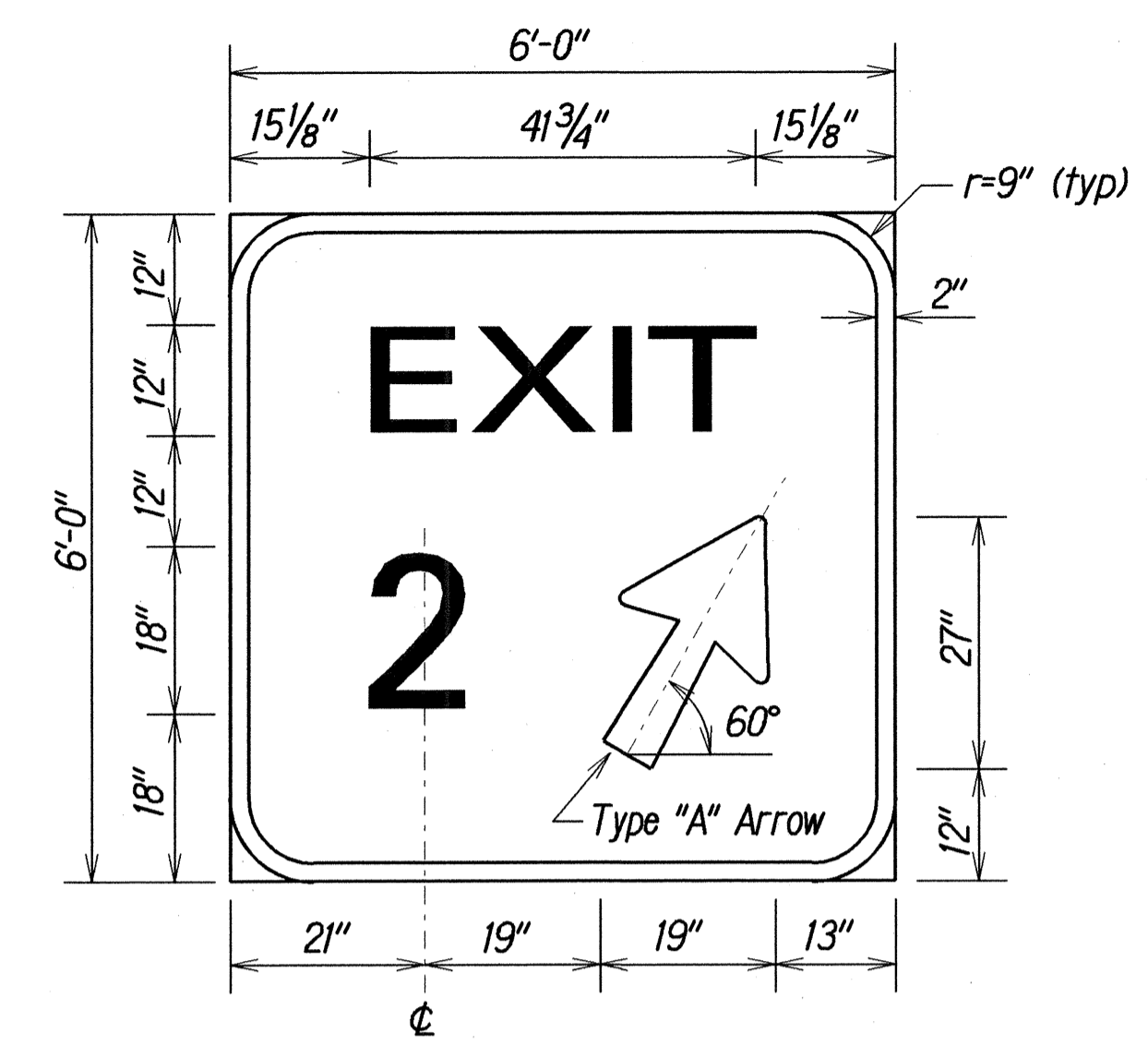


R3-20

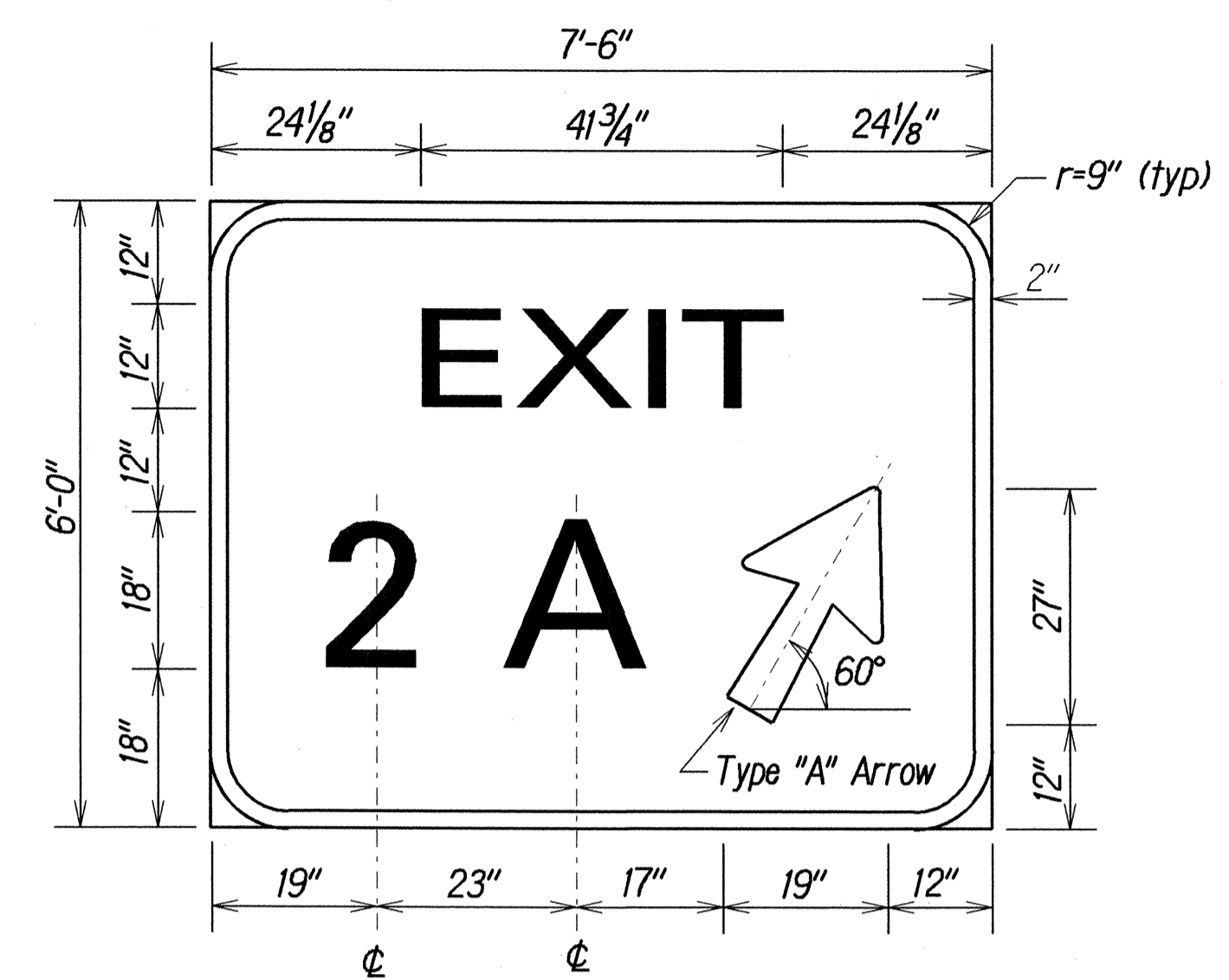
SURVEY PLOTTED BY	DATE
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
EXPRESSWAY SIGN
PANEL LAYOUTS
MOANALUA FREEWAY RESURFACING
Halawa Interchange to Kahauiki Interchange
Federal Aid Project DPI-0203(1)
Scale As Shown Date: June 2002
SHEET No. T21 OF 25 SHEETS

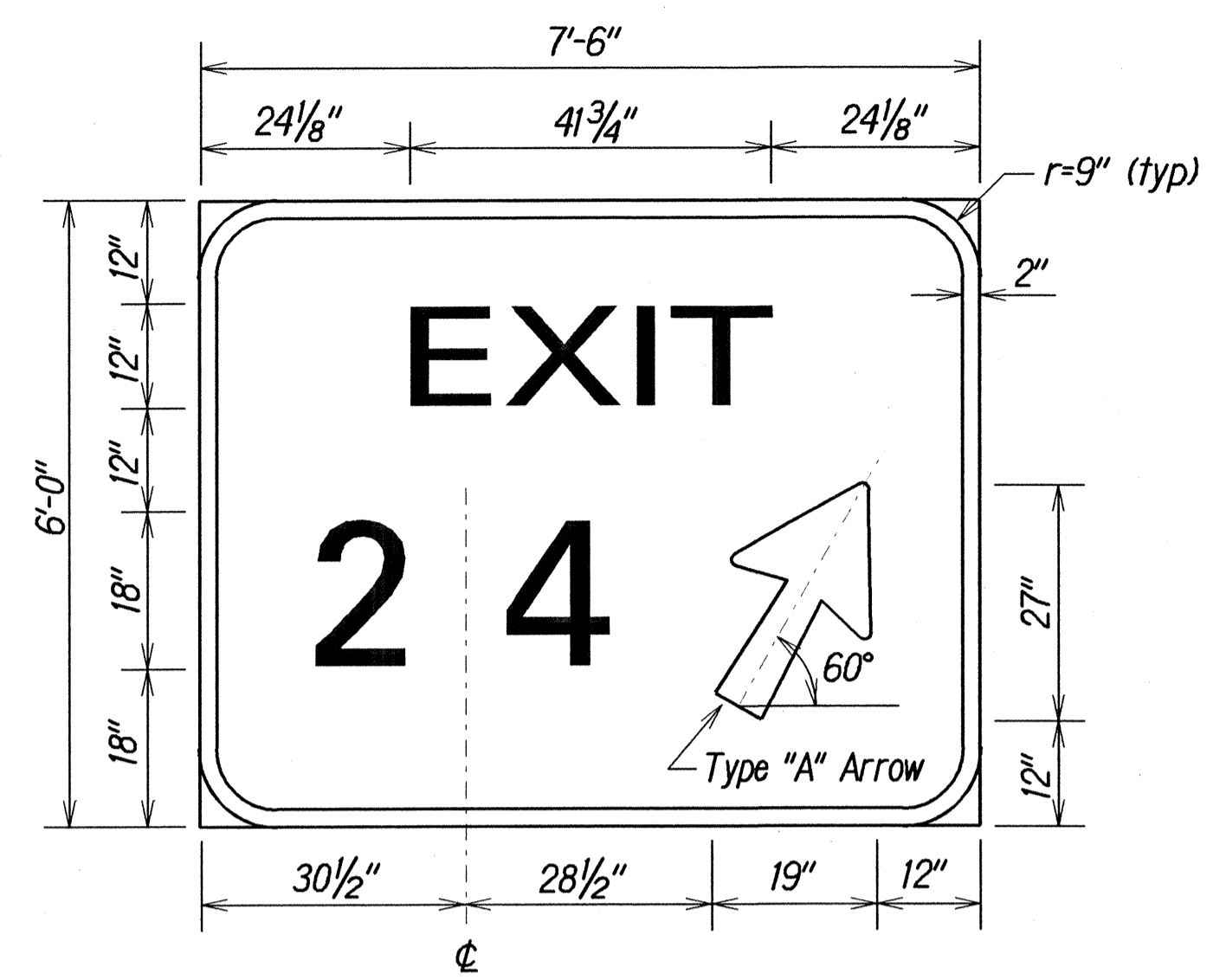
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	DPI-0203(1)	2003	48	234



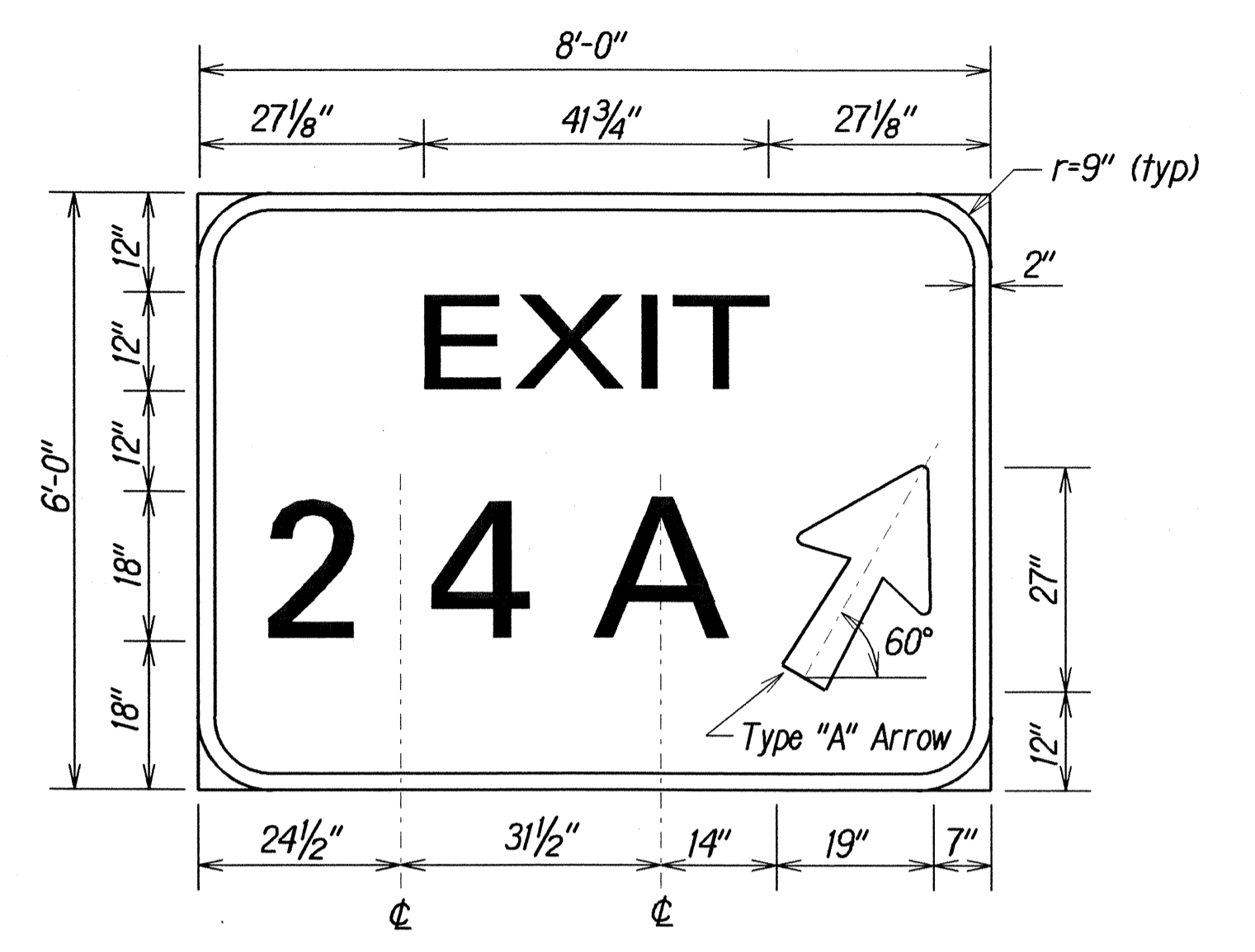
SINGLE NUMBER



SINGLE NUMBER
SINGLE LETTER



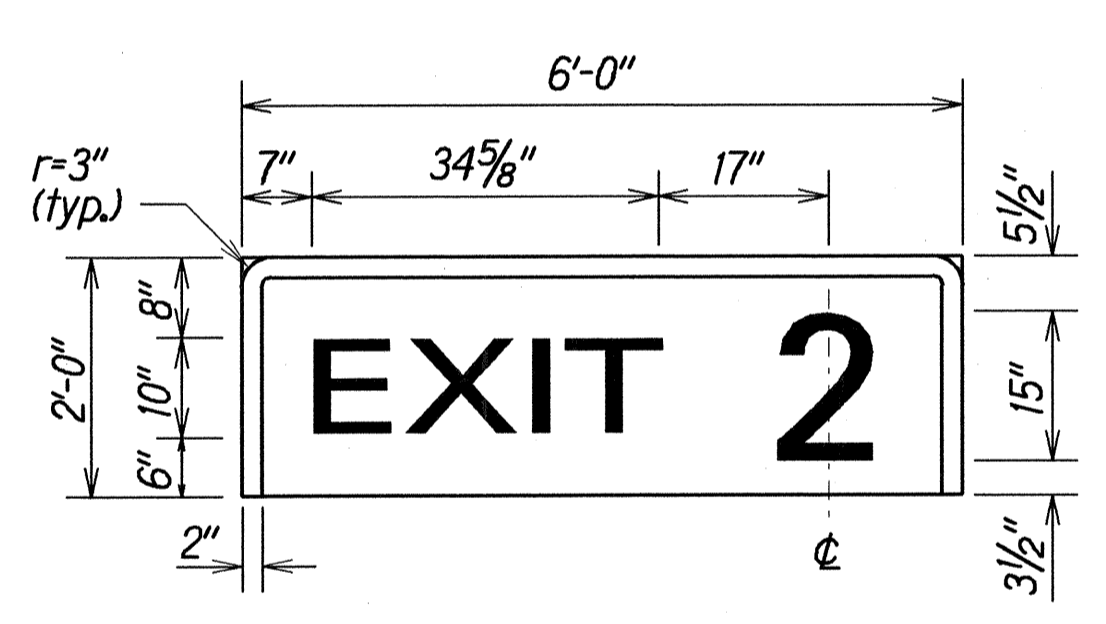
DOUBLE NUMBER



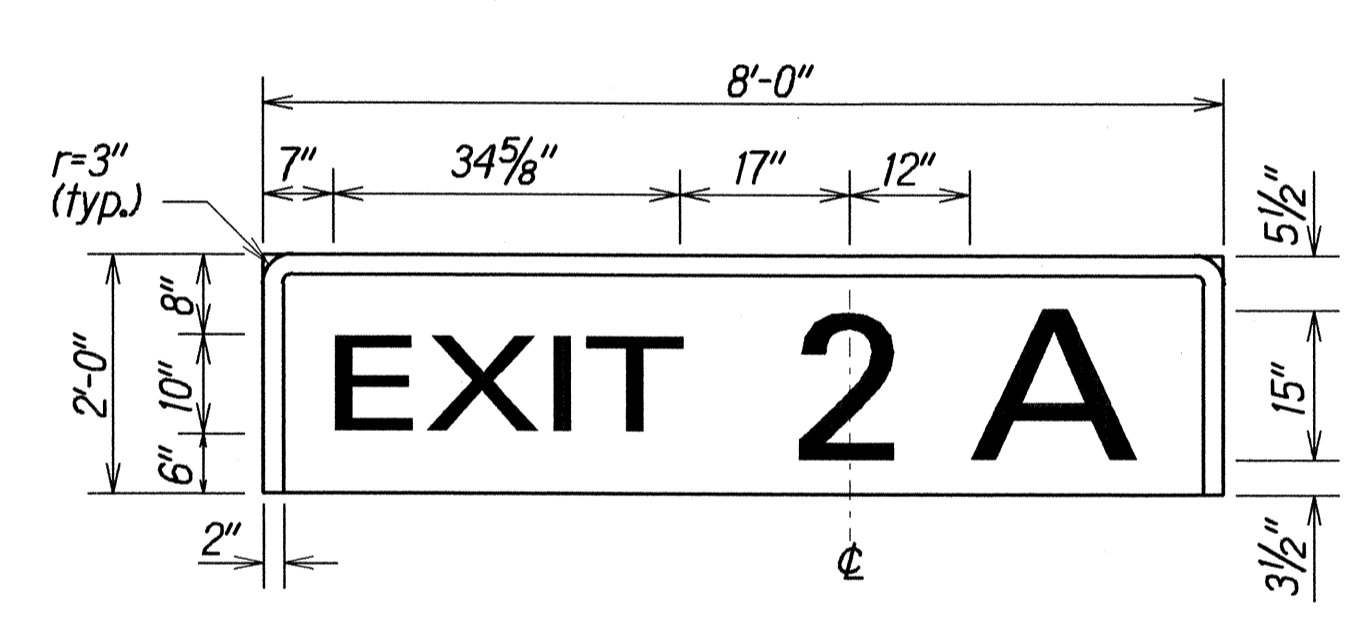
DOUBLE NUMBER
SINGLE LETTER

GORE EXIT SIGNS

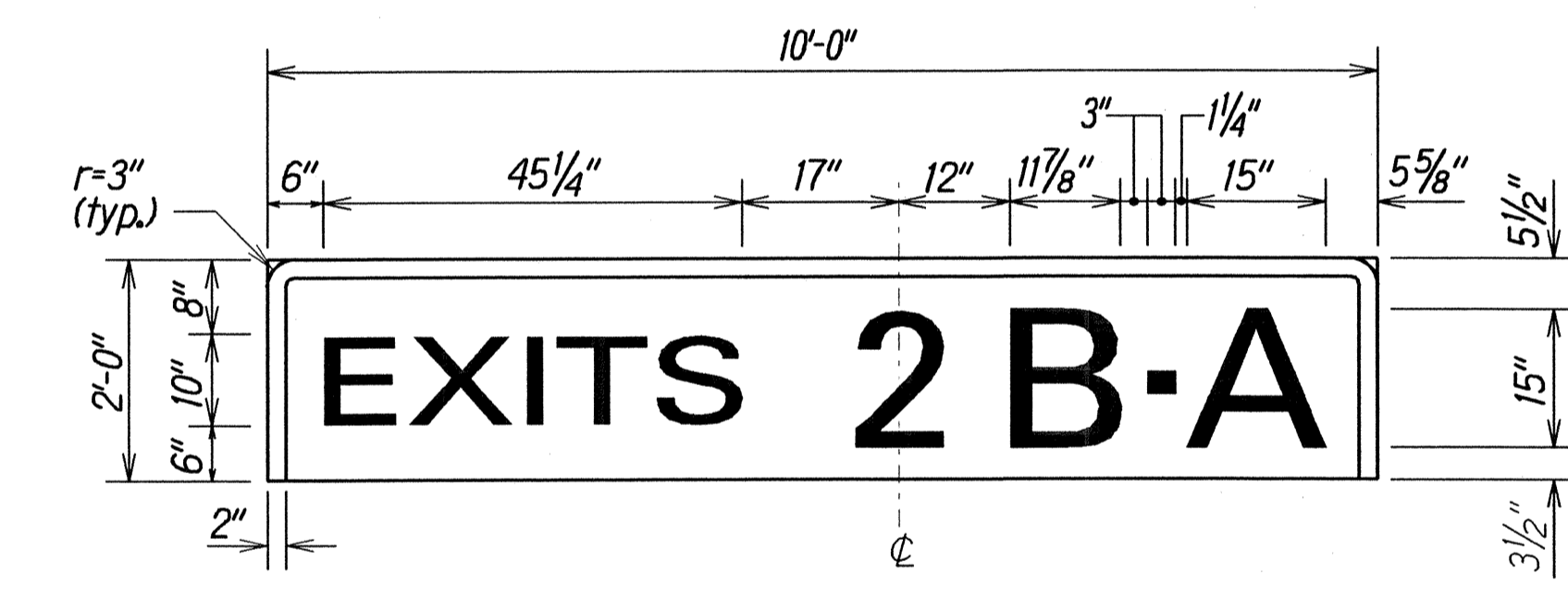
Not to Scale



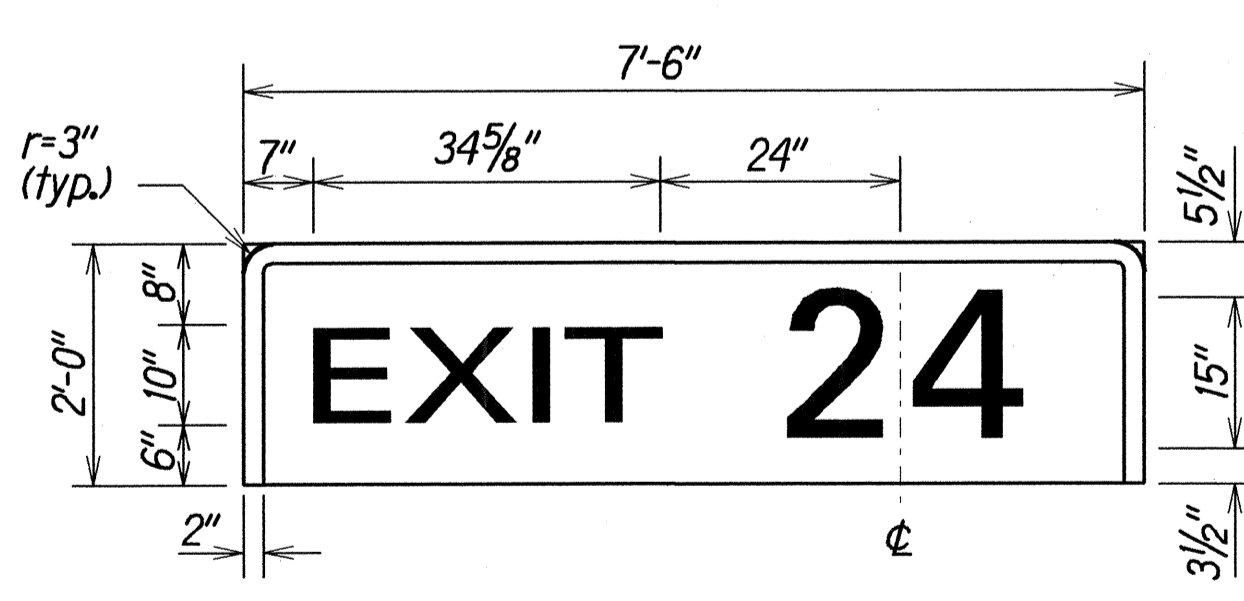
SINGLE NUMBER



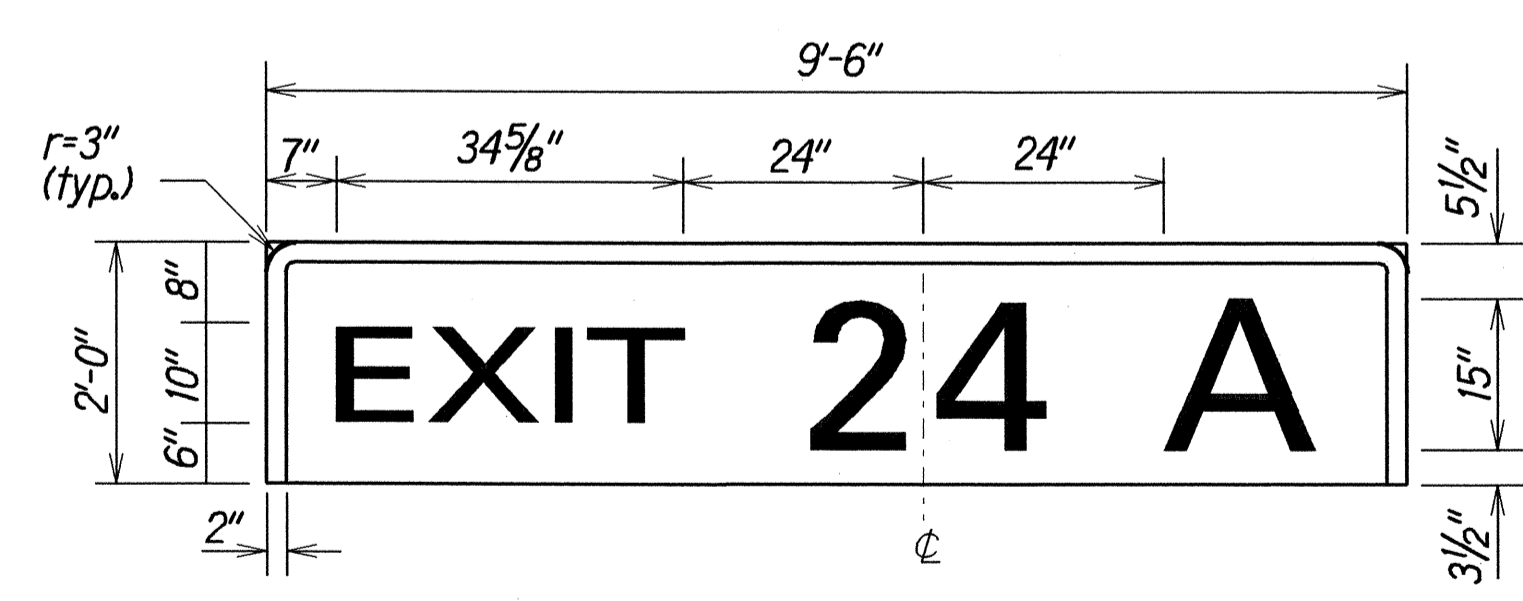
SINGLE NUMBER
W/SINGLE LETTER



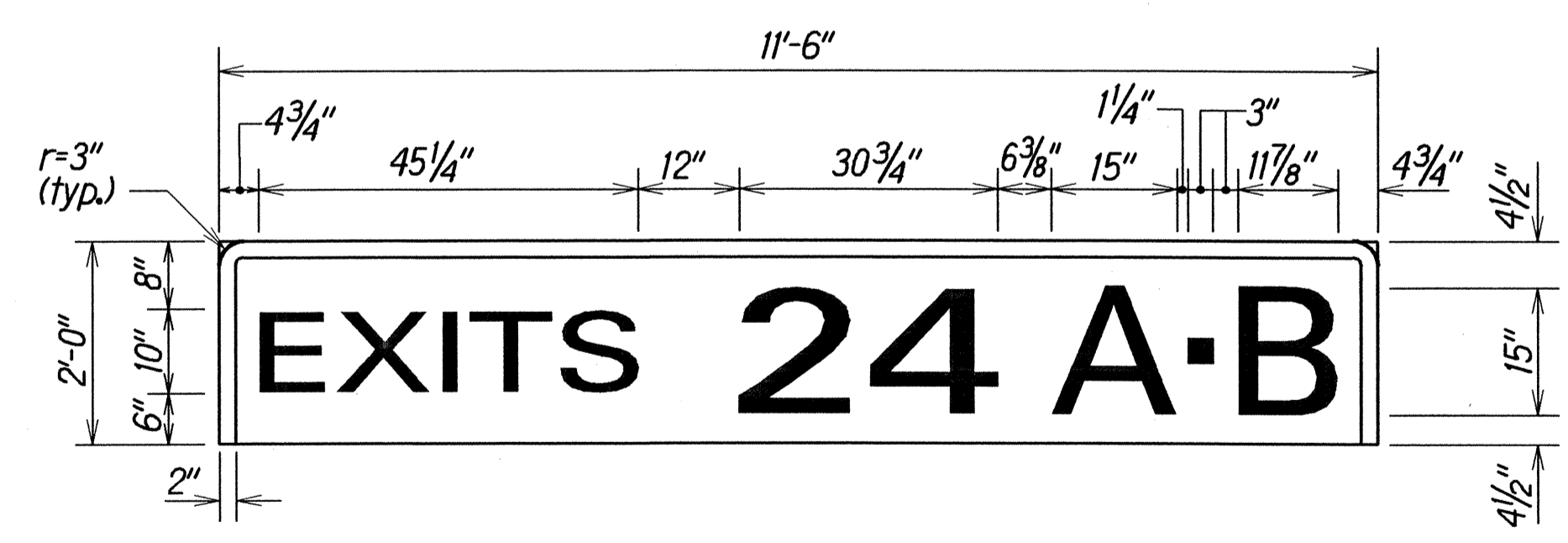
SINGLE NUMBER
W/DOUBLE LETTER



DOUBLE NUMBER



DOUBLE NUMBER
W/SINGLE LETTER



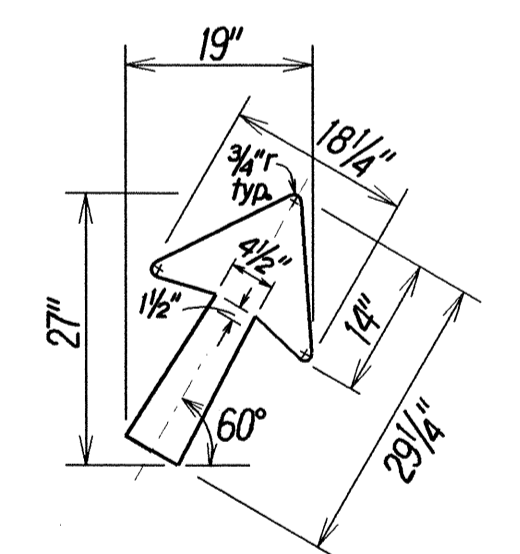
DOUBLE NUMBER
W/DOUBLE LETTER

EXIT NUMBER PANELS

Not to Scale

NOTES:

- Design of Exit Number Panels shall conform to plans and specifications for either the Expressway or Destination Sign to which the Exit Number Panel will be attached.
- Sign message shall be lettered in uppercase according to Standard Alphabets for Highway Signs, FHWA, 1966. Use Series "E" letters unless otherwise noted.
- Arrows, Borders, and Route Markers shall conform with details as shown on standard plans and/or as specified in the MUTCD.
- Contractor shall submit for approval, shop drawings for the attachment of Exit Number Panels to Sign Panels.



TYPE "A" DIAGONAL
ARROW DETAIL

Not to Scale

DATE	_____
SURVEY PLOTTED BY	_____
DRAWN BY	_____
DESIGNED BY	_____
QUANTITIES BY	_____
CHECKED BY	_____
ORIGINAL PLAN	_____
NOTE BOOK	_____
162.mg	_____
54/msh/0507	_____

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
TYPICAL EXIT NUMBER
SIGN PANEL LAYOUT
MOANALUA FREEWAY RESURFACING
Halawa Interchange to Kahauiki Interchange
Federal Aid Project DPI-0203(1)
Not to Scale Date: June 2002

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	DPI-0203(1)	2003	49	234

MILEPOST MARKER SUMMARY

LOCATION	SIGN NO. AND MESSAGE	QUANTITY	
		W/POST	W/O POST
# STA. 162+65± RT. # LT.	D10-4 1	2	
# STA. 216+00± RT. # LT.	D10-4 2	2	
# STA. 270+85± RT. # LT.	D10-4 3	2	
# STA. 322+50± RT. # LT.	D10-4 4	2	
TOTAL		8	

TRAFFIC SIGN SUMMARY

SIGN NO.	MESSAGE	QUANTITY			
		10 SQ. FT. OR LESS		GREATER THAN 10 SQ. FT.	
		W/POST	W/O POST	W/POSTS	W/O POSTS
R1-2-A				1	
R13-19	HOV LANE \diamond 6-8 AM 3:30-6:00 PM EXCEPT SAT SUN # HOL				1
R2-1(50)-A	SPEED LIMIT 50			4	14
R2-5b(35)-A	REDUCED SPEED 35			1	1
R3-10d	EXPRESS LANE \diamond AHEAD				1
R3-11a	\diamond LEFT LANE BUS AND CAR POOLS ONLY 6-8 AM 3:30-6:00 PM EXCEPT SAT SUN # HOL				3
R3-12a	HOV LANE \diamond ENDS				1
R3-12A	EXPRESS LANE \diamond BEGIN		1		
R3-12g			1		
R3-18	CAR POOLS \diamond OR MORE MOTORCYCLES OK				10
R3-19	HOV LANE \diamond 6-8 AM 3:30-6:00 PM EXCEPT SAT SUN # HOL				4
R3-20a	HOV VIOLATION MAX \$200 FINE				2
R3-20aSupplement	SUMMON OR CITATION ISSUED BY MAIL		2		
R7-20IA			1		
R8-3a-A				1	
W1-2(R)-A				1	
W1-2(L)-A				1	
W18-1	RIGHT LANE EXIT ONLY			1	
W4-1(R)-A				5	1
W4-2(R)-A					1
W4-3-A				3	1
W4-4A				1	
W9-1(R)-B	RIGHT LANE ENDS			1	
W9-2(L)-A	LANE ENDS MERGE LEFT			1	
W13-1(40)-A	40 M.P.H.		1		
TOTAL		0	6	21	40

ROUTE MARKER SUMMARY

SIGN ASSEMBLY	LOCATION	SIGN NO. AND MESSAGE	TYPE A ASSEMBLY	
			W/POST	W/O POST
IRM-1	# STA. 272+20± RT.	IM3-2-A EAST IM-1(2) H201	1	
TOTAL			1	

SURVEY PLOTTED BY: _____ DATE: _____
 DRAWN BY: M. Tardiff
 DESIGNED BY: Steven Loschke
 QUANTITIES BY: _____
 CHECKED BY: _____
 ORIGINAL PLAN: _____
 NOTE BOOK: 10/2/02
 N. 7/20/03/01

5/28/03 Add W1-2(L)-A # W13-1(40)-A Signs and Revised the Quantities on the Traffic Sign Summary

DATE REVISION

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
TRAFFIC SUMMARIES
 MOANALUA FREEWAY RESURFACING
 Halawa Interchange to Kahauiki Interchange
 Federal Aid Project No. DPI-0203(1)
 Date: June 2002

SHEET No. T23 OF 25 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	DPI-0203(1)	2003	50	234

EXPRESSWAY SIGN SUMMARY

SIGN NO.	LOCATION	MESSAGE	SIZE	OVERLAY AREA (SQ. FT.)	NEW PANEL AREA (SQ. FT.)
E-1	# STA. 150+85± RT.	Halawa Stadium ¼ MILE	14'-6" X 8'-0"	116.00	
E-2	# STA 158+90± RT.	(H201) EAST Honolulu	12'-0" X 7'-0"		84.00
E-3	# STA 158+90± RT.	Halawa Hts. Halawa Valley Stadium EXIT ↓ ONLY	16'-0" X 10'-0"	160.00	
E-4	# STA. 166+00± LT.	(78) WEST Aiea Pearlridge ↓	17'-0" X 12'-0"	204.00	
E-5	# STA. 166+00± LT.	(H1) WEST ↓ Pearl City ↓	17'-0" X 10'-0"	170.00	
E-6	# STA. 173+30± LT.	(78) WEST Aiea Pearlridge ↓	12'-0" X 11'-0"	132.00	
E-7	# STA. 173+30± LT.	(H1) WEST Pearl City ↓ ONLY ↓	17'-0" X 10'-0"	170.00	
E-8	# 188+15± RT.	(H201) EAST ↓ Honolulu ↓	17'-0" X 10'-0"	170.00	
E-9	# 188+15± RT.	Red Hill ½ MILE	12'-6" X 5'-6"	68.75	
E-10	# STA. 201+30± RT.	Red Hill ½ MILE	12'-6" X 5'-6"	68.75	
E-11	# STA. 207+05± LT.	Halawa Stadium ↗ Camp Smith EXIT ONLY	16'-0" X 11'-0"	176.00	
E-12	# STA. 213+05± LT.	Halawa Stadium Camp Smith EXIT ↓ ONLY	16'-0" X 11'-0"	176.00	
E-13	# STA. 226+00± LT.	(78) WEST Aiea Pearlridge ↓	17'-0" X 12'-0"	204.00	
E-14	# STA. 226+00± LT.	(H1) WEST ↓ Pearl City ↓	17'-0" X 11'-0"	187.00	
E-15	# STA. 264+00± LT.	Moanalua Valley Salt Lake ↗ Red Hill	16'-0" X 8'-0"	128.00	
E-16	# STA. 277+00± RT.	(H201) EAST ↓ Honolulu ↓	17'-0" X 10'-6"		178.50
E-17	# STA. 277+00± RT.	Ft. Shafter King St. ↓	13'-6" X 10'-0"	135.00	
E-18	# STA. 277+00± RT.	Airport (7310) Tripler Hosp. EXIT ↓ ONLY	15'-6" X 10'-0"	155.00	
E-19	# STA. 281+85± LT.	Moanalua Valley Salt Lake Red Hill ¼ MILE	19'-6" X 9'-0"	175.50	
E-20	# STA. 288+00± RT.	(H1) EAST ↓ Honolulu ↓	17'-0" X 10'-0"	170.00	
E-21	# STA. 288+00± RT.	Ft. Shafter King St. ↓	13'-6" X 10'-0"	135.00	
E-22	# STA. 288+00± RT.	Airport (7310) Tripler Hosp. ↗ EXIT ONLY	15'-6" X 11'-0"	170.50	
E-23	# STA. 310+00± RT.	(H1) EAST ↓ Honolulu ↓	17'-0" X 10'-0"	170.00	
E-24	# STA. 310+00± RT.	Ft. Shafter King St. ↗	15'-0" X 10'-0"	150.00	
E-25	# STA. 323+45± LT.	(7310) Puuloa Rd. Tripler Hosp. EXIT ↓ ONLY	16'-0" X 12'-6"	200.00	
E-26	# STA 351+30± LT.	(78) WEST Aiea ↓	11'-0" X 11'-6"	126.50	
E-27	# STA 351+30± LT.	(7310) Puuloa Rd. Tripler Hosp. ½ MILE	16'-0" X 11'-6"	184.00	
E-28	# STA 351+30± LT.	Ft. Shafter Ahua St. EXIT ONLY ↗	15'-0" X 11'-6"	172.50	
E-29	H-1 # STA. 9+65± LT.	Ft. Shafter Ahua St. ¼ MILE	15'-0" X 9'-6"	142.50	
TOTAL				4,217.00	262.50

PAVEMENT MARKING SUMMARY

DESCRIPTION	QUANTITY
PAVEMENT MARKERS	
TYPE A _____	L.S.
TYPE C _____	L.S.
TYPE H _____	L.S.
TAPE - TYPE I OR THERMOPLASTIC EXTRUSION	
4-INCH PAVEMENT STRIPE (WHITE) _____	L.S.
8-INCH PAVEMENT STRIPE (WHITE) _____	L.S.
DOUBLE 4-INCH PAVEMENT STRIPE (WHITE) _____	L.S.
TAPE - TYPE II OR THERMOPLASTIC EXTRUSION	
4-INCH PAVEMENT STRIPE (WHITE) _____	L.S.
4-INCH PAVEMENT STRIPE (YELLOW) _____	
8-INCH PAVEMENT STRIPE (WHITE) _____	L.S.
12-INCH PAVEMENT STRIPE (WHITE) _____	L.S.
TAPE - TYPE III OR THERMOPLASTIC EXTRUSION	
4-INCH PAVEMENT STRIPE (WHITE) _____	L.S.
PAVEMENT ARROW _____	20 EA.
PAVEMENT DIAMOND _____	12 EA.

REFLECTOR MARKER SUMMARY

TYPE	QUANTITY					
	W/FLEXIBLE POST		W/STEEL POST		MOUNT ON CONCRETE RETAINING WALL	
	YELLOW	WHITE	YELLOW	WHITE	YELLOW	WHITE
RM-2	17	69	0	48	0	22

SURVEY PLOTTED BY: _____ DATE: _____
 ORIGINAL PLAN: _____
 NOTE BOOK: _____
 DESIGNED BY: Steven Tschida
 QUANTITIES BY: _____
 CHECKED BY: _____

6/10/03 Revise Expressway Sign Summary and add Reflector Marker Summary

DATE REVISION

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
TRAFFIC SUMMARIES
MOANALUA FREEWAY RESURFACING
Halawa Interchange to Kahauiki Interchange
Federal Aid Project No. DPI-0203(1)
 Date: June 2002

SHEET No. T24 OF 25 SHEETS

ADD. 50

DESTINATION SIGN SUMMARY				
SIGN NO.	LOCATION	MESSAGE	SIZE	NEW PANEL AREA (SQ. FT.)
D-1	# STA. 162+00± RT.	EXIT 1B	7'-6" X 6'-0"	45.00
D-2	# STA. 199+75± LT.	EXIT 1E	7'-6" X 6'-0"	45.00
D-3	# STA. 208+00± RT.	Red Hill Moanalua Valley ↗	16'-0" X 8'-0"	128.00
D-4	# STA. 215+70± RT.	EXIT 2	6'-0" X 6'-0"	36.00
D-5	# STA. 261+15± LT.	EXIT 2	6'-0" X 6'-0"	36.00
D-6	# STA. 287+50± RT.	↑ Paa Street	8'-0" X 4'-0"	32.00
D-7	# STA. 291+55± RT.	EXIT 3	6'-0" X 6'-0"	36.00
D-8	# STA. 318+70± LT.	EXIT 3	6'-0" X 6'-0"	36.00
D-9	# STA. 332+80± LT.	Puuloa Rd. Tripler Hosp. RIGHT LANE	16'-0" X 7'-3"	116.00
D-10	# STA. 348+35± LT.	EXIT 4	6'-0" X 6'-0"	36.00
TOTAL				546.00

EXIT NUMBER SIGN SUMMARY			
LOCATION	MESSAGE	SIZE	NEW PANEL AREA (SQ. FT.)
# STA. 150+85± RT.	EXIT 1B	8'-0" X 2'-0"	16.00
# STA. 158+90± RT.	EXIT 1B	8'-0" X 2'-0"	16.00
# STA. 188+15± RT.	EXIT 2	6'-0" X 2'-0"	12.00
# STA. 201+30± RT.	EXIT 2	6'-0" X 2'-0"	12.00
# STA. 207+35± LT.	EXIT 1E	8'-0" X 2'-0"	16.00
# STA. 208+00± RT.	EXIT 2	6'-0" X 2'-0"	12.00
# STA. 213+05± LT.	EXIT 1E	8'-0" X 2'-0"	16.00
# STA. 264+00± LT.	EXIT 2	6'-0" X 2'-0"	12.00
# STA. 277+00± RT.	EXIT 3	6'-0" X 2'-0"	12.00
# STA. 281+85± LT.	EXIT 2	6'-0" X 2'-0"	12.00
# STA. 288+00± RT.	EXIT 3	6'-0" X 2'-0"	12.00
# STA. 323+45± LT.	EXIT 3	6'-0" X 2'-0"	12.00
# STA. 332+80± LT.	EXIT 3	6'-0" X 2'-0"	12.00
# STA. 351+30± LT.	EXIT 3	6'-0" X 2'-0"	12.00
# STA. 351+30± LT.	EXIT 4	6'-0" X 2'-0"	12.00
H-1 # STA. 9+65± LT.	EXIT 4	6'-0" X 2'-0"	12.00
TOTAL			208.00

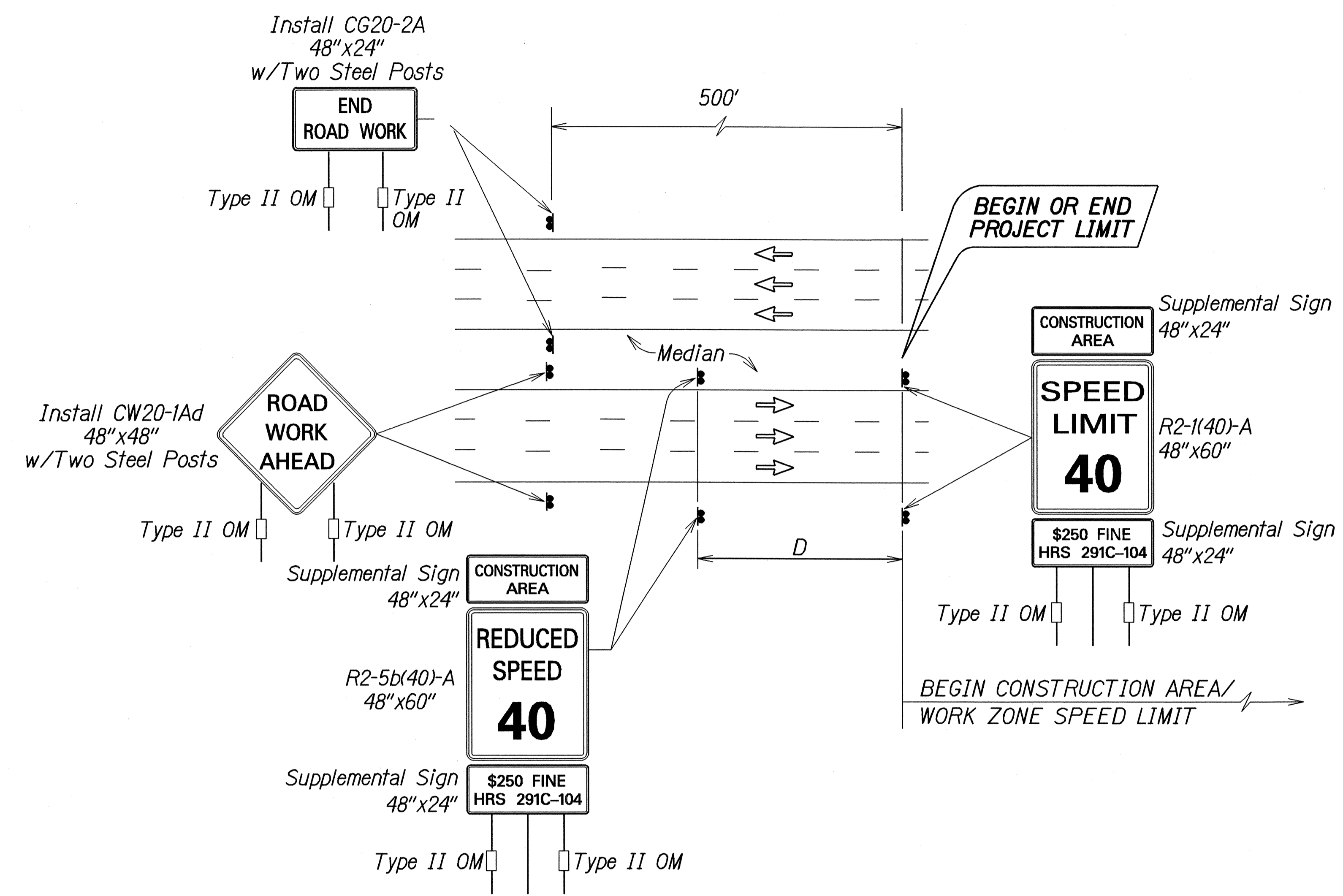
CONSTRUCTION SIGN SUMMARY				
SIGN NO.	LOCATION	MESSAGE	W/POSTS	W/O POST*
CW20-1Ad	# Sta. 142+00± Rt.	ROAD WORK AHEAD	2	
CG20-2A	# Sta. 142+00± Lt.	END ROAD WORK	2	
R2-5b(40)-A	# Sta. 144+75± Rt.	REDUCED SPEED 40 W/ CONSTRUCTION AREA SUPP. SIGNS	1	1
R2-1(40)-A	# Sta. 144+00± Rt.	SPEED LIMIT 40 W/ CONSTRUCTION AREA SUPP. SIGNS	1	1
R2-1(40)-A	# Sta. 172+20± Rt.	SPEED LIMIT 40 W/ CONSTRUCTION AREA SUPP. SIGNS	1	1
R2-1(40)-A	# Sta. 172+20± Lt.	SPEED LIMIT 40 W/ CONSTRUCTION AREA SUPP. SIGNS	1	1
R2-5b(40)-A	Inbound Ramp from H-1	REDUCED SPEED 40 W/ CONSTRUCTION AREA SUPP. SIGNS	2	
R2-1(40)-A	Inbound Ramp from H-1	REDUCED SPEED 40 W/ CONSTRUCTION AREA SUPP. SIGNS	2	
R2-1(40)-A	# Sta. 205+75±	SPEED LIMIT 40 W/ CONSTRUCTION AREA SUPP. SIGNS		2
R2-1(40)-A	# Sta. 236+00±	SPEED LIMIT 40 W/ CONSTRUCTION AREA SUPP. SIGNS		2
R2-1(40)-A	# Sta. 236+00± Rt.	SPEED LIMIT 40 W/ CONSTRUCTION AREA SUPP. SIGNS	1	
R2-1(40)-A	# Sta. 273+50± Lt.	SPEED LIMIT 40 W/ CONSTRUCTION AREA SUPP. SIGNS		1
R2-1(40)-A	# Sta. 302+00±	SPEED LIMIT 40 W/ CONSTRUCTION AREA SUPP. SIGNS		1
R2-1(40)-A	# Sta. 310+00±	SPEED LIMIT 40 W/ CONSTRUCTION AREA SUPP. SIGNS		1
R2-1(40)-A	# Sta. 336+00±	SPEED LIMIT 40 W/ CONSTRUCTION AREA SUPP. SIGNS		2
R2-1(40)-A	# Sta. 14+00±	SPEED LIMIT 40 W/ CONSTRUCTION AREA SUPP. SIGNS		2
R2-5b(40)-A	# Sta. 16+25±	REDUCED SPEED 40 W/ CONSTRUCTION AREA SUPP. SIGNS	1	1
CW20-1Ad	# Sta. 142+00± Rt.	ROAD WORK AHEAD	1	1
CG20-2A	# Sta. 142+00± Lt.	END ROAD WORK	1	1
TOTAL			16	18

* Mount sign on adjacent Exist. Highway Light Pole or Expressway Sign Post.

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

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
TRAFFIC SUMMARIES
MOANALUA FREEWAY RESURFACING
Halawa Interchange to Kahauiki Interchange
Federal Aid Project No. DPI-0203(1)
 Date: June 2002

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	DPI-0203(1)	2003	52	234



TYPICAL DETAIL FOR CONSTRUCTION SIGNS
ON MOANALUA FREEWAY

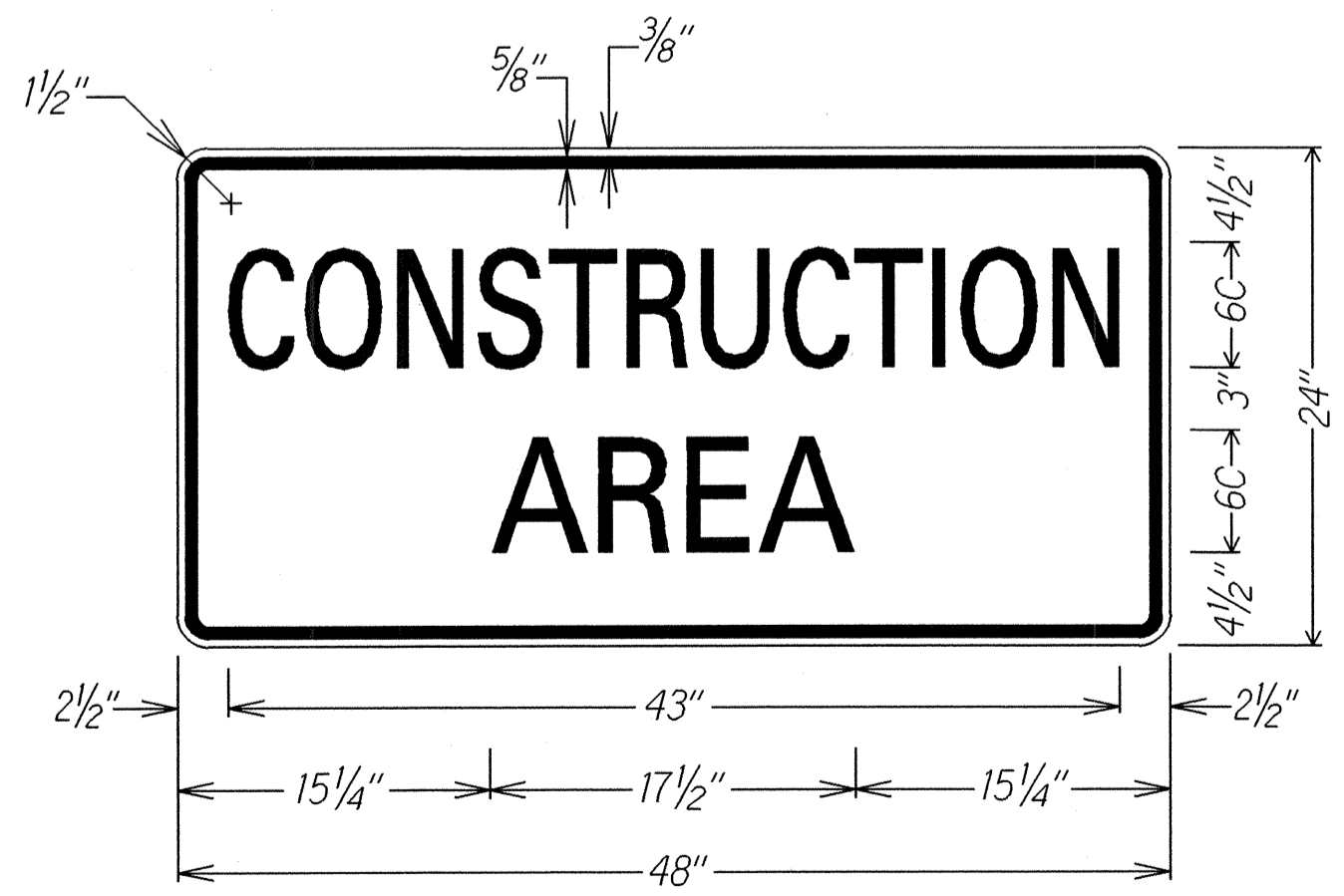
Work Zone Note:

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 within the work zone/project limits shall be covered and work zone speed limit sign assemblies (R2-1(XX)-A and R2-5b(XX)-A with "CONSTRUCTION AREA" and "\$250 FINE HRS 291C-104" Supplemental Signs) shall be displayed during lane closure hours.
3. Upon the removal of the lane closure, all work zone speed limit signs shall be covered and existing speed limit signs within the work zone/project limits shall be restored.
4. Construction signs shall be installed on both the approaching and trailing ends of each work zone.
5. Each construction sign shall have a minimum of two (2) Type II OM. Installation of each Type II OM shall be considered incidental to Item No. 621.7100, Construction Sign with Posts.
6. All work zone speed sign assembly shall be mounted on three (3) 4.00 lbs./ft. galvanized flanged channel sign posts with a sign clearance height of five (5) feet. Sign stiffeners as specified by Standard Plan Sheet TE-02 shall be installed as needed or as directed by the Engineer.
7. The daily covering and uncovering of existing regulatory speed limit signs along with the installation, maintenance, removal and daily covering and uncovering of work zone speed limit sign assemblies shall be considered incidental to Item No. 621.7100, Construction Sign with Posts.
8. All costs associated with the supplemental signs "CONSTRUCTION AREA" and "\$250 FINE HRS 291C-104" shall be considered incidental to the construction speed limit signs to which they are attached.

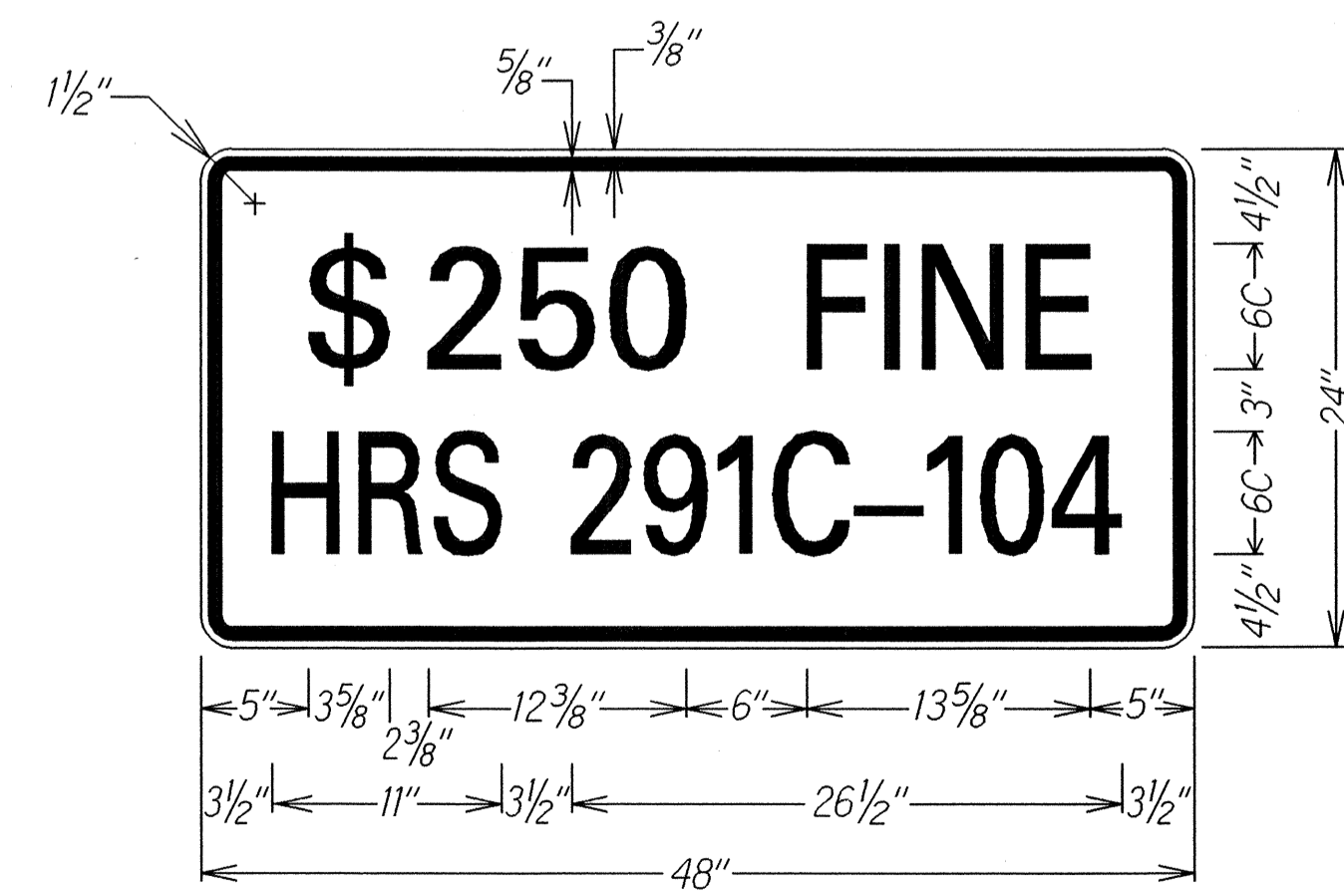
Installation Note:

Signs and layout shown on this sheet is intended for Moanalua Freeway only. Installation locations are as specified in the table titled, "CONSTRUCTION SIGN SUMMARY" on Plan Sheet T25.

ORIGINAL PLAN	DATE
NOTES BOOK	DESIGNED BY: Steven Yoshida
QUANTITIES BY: [Signature]	CHECKED BY: [Signature]



LEGEND: BLACK
BACKGROUND: ORANGE



LEGEND: BLACK
BACKGROUND: WHITE

6/19/03	Add Work Zone Note 8
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
FREEWAY WORK ZONE SIGNING	
PLAN, NOTES & DETAILS	
MOANALUA FREEWAY RESURFACING Halawa Interchange to Kahauiki Interchange	
Federal Aid Project No. DPI-0203(1)	
Not To Scale Date: June 2002	
SHEET No. 1 OF 1 SHEETS	