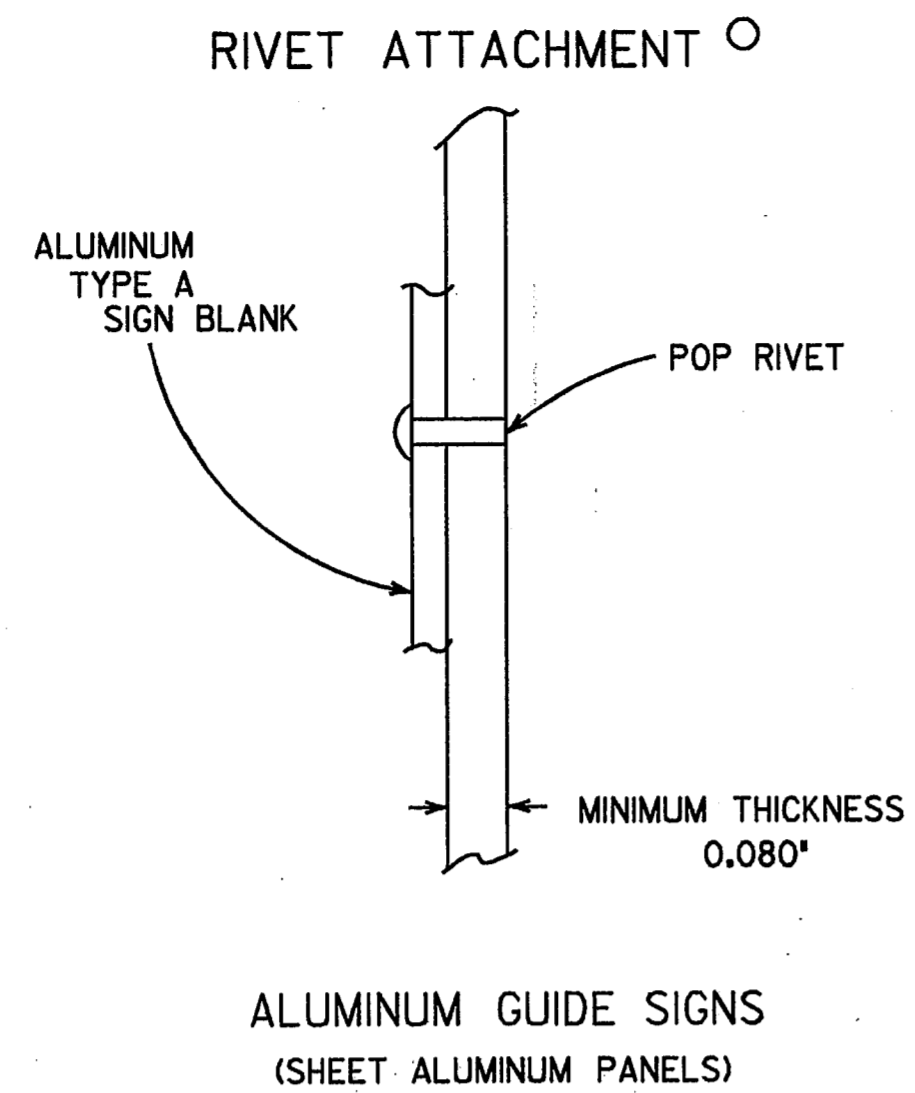
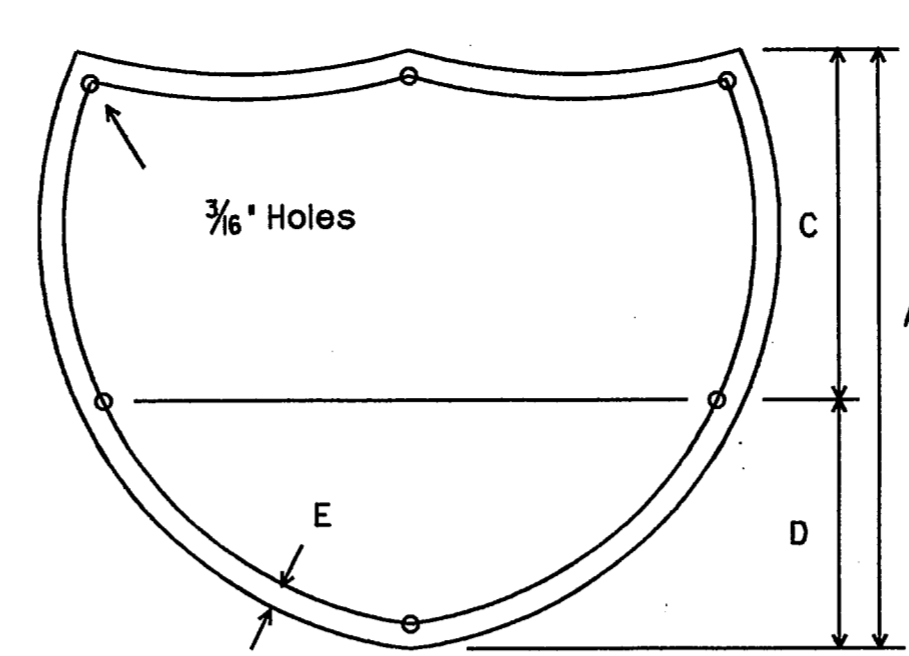


TYPICAL ATTACHMENT OF ROUTE MARKERS AND "EXIT ONLY" PANELS TO GUIDE SIGNS



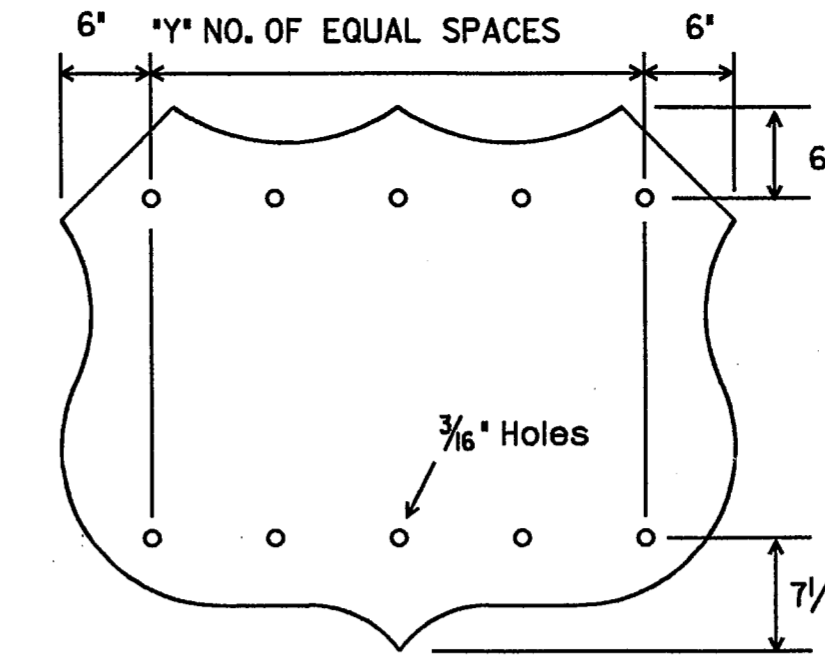
Δ

SIGN BLANK PUNCHING DETAILS FOR ROUTE MARKERS WHEN ATTACHED TO GUIDE SIGN



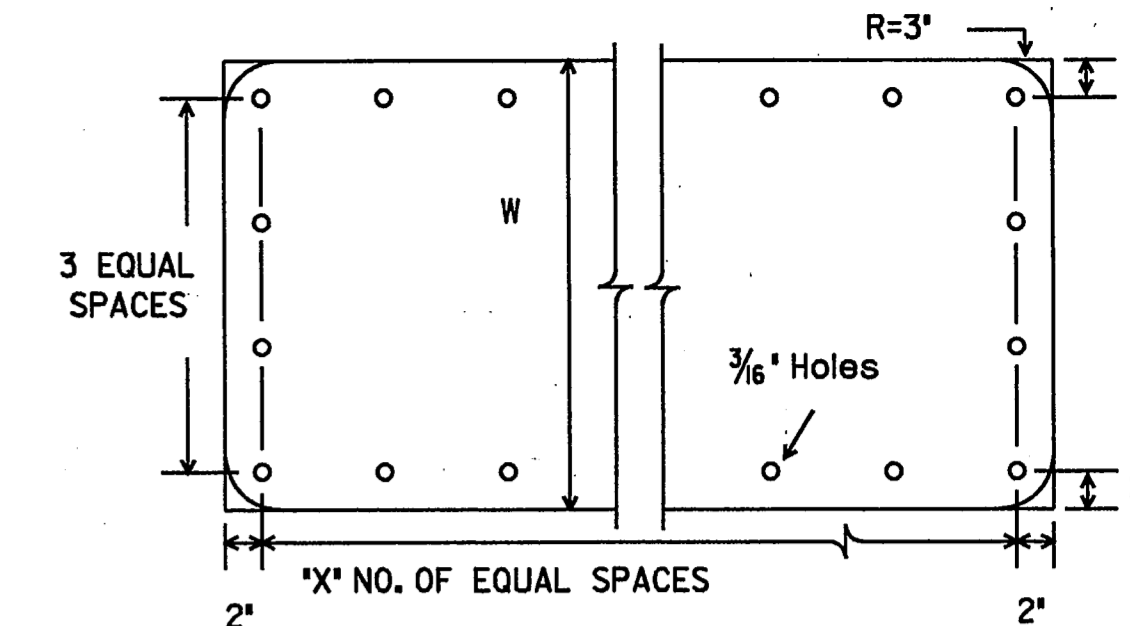
INTERSTATE ROUTE MARKERS

A	C	D	E
36	21	15	1/2
48	28	20	1 3/4



U.S. ROUTE MARKERS

Sign Type	"Y"
MI-4D2	2
MI-4D3	3
MI-4E2	3
MI-4E3	4
MI-4F2	4
MI-4F3	5



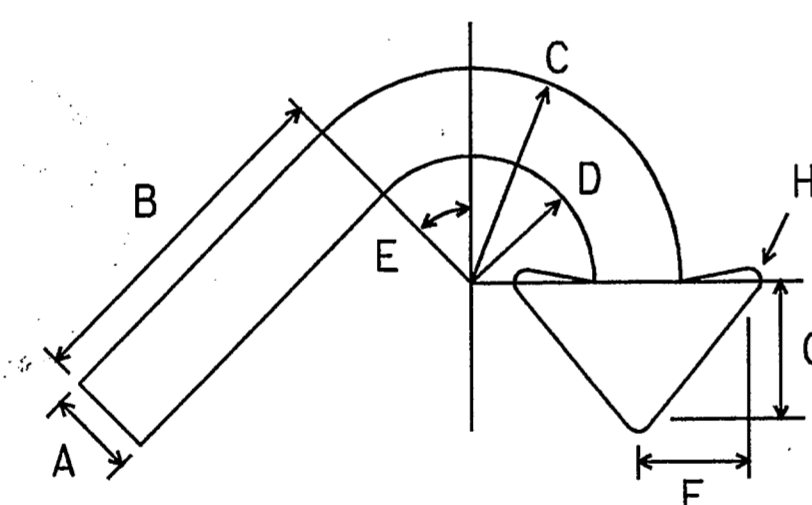
STATE ROUTE MARKERS

No. of Digits	W	X
4	24	4
4	36	5
4	48	6
3	24	3
3	36	4
3	48	5

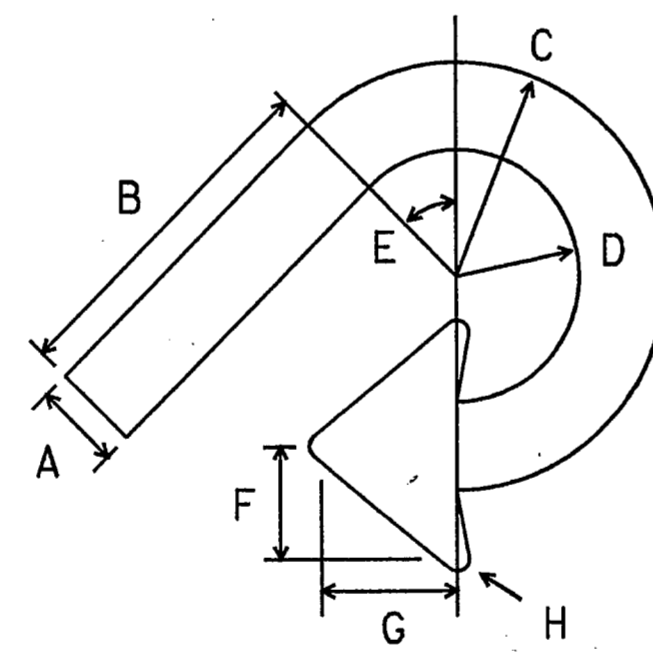
DISCLAIMER
 The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.

DNHLR
 CKCW
 DWHDN
 CKRMT
 DATE: 12 13 14 15 16
 FILE: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 ACC: d58hpic/usr/d580504
 LEVELS DISPLAYED: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

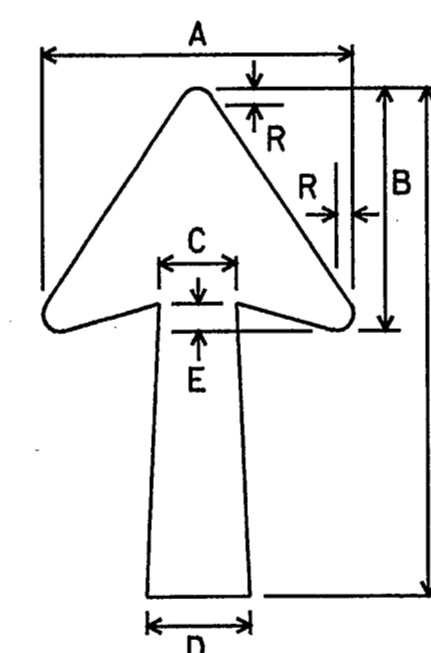
ARROW DIMENSION DETAILS



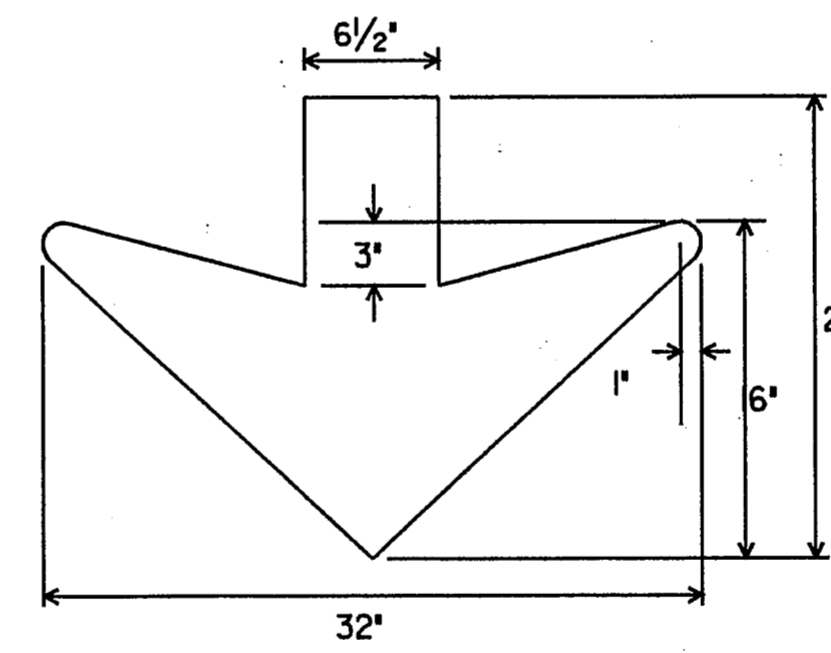
E3 and E3a



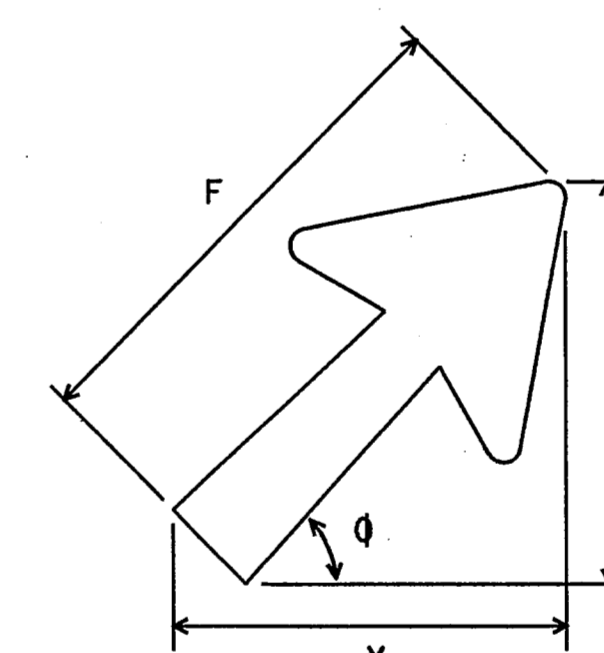
E4 and E4a



Type A or Type B



Type C

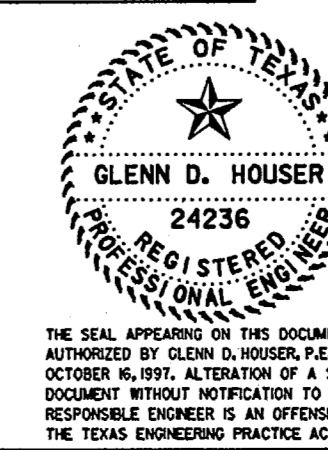


CODE	USED ON SIGN NO.	A	B	C	D	E	F	G	H
E-3 & E-4	E5-3 and E5-4	5	20	12	7	45o	6 1/2	8	3/4
E-3a & E-4a	E5-3a and E5-4a	3 1/2	14	8 1/2	5	45o	4 1/2	5 1/2	1/2

CODE	LETTER SIZE	ARROW DIMENSIONS IN INCHES												
		Φ = 30°						Φ = 45°						
		A	B	C	D*	E	F*	R	X	Y	X	Y	X	Y
A-1	8" Caps	15 1/8	11 9/16	3 3/4	5	1 5/16	24 1/4	1 3/16	15 5/8	22 1/4	19 1/8	19 1/8	22 3/8	15 5/8
A-2	13 1/3" U.C., 10-12" Caps	18 1/4	14	4 1/2	6	1 1/2	29 1/4	3/4	18 1/2	27	23	23	27	19
A-3	16" U.C.	22 1/4	17	5 3/8	7 1/8	1 3/4	35 5/8	1	22 5/8	32 3/4	28	28	32 3/4	22 3/4
B-1	8-10" Caps	14 1/4	9 3/16	3 3/8	4 1/2	1 5/16	17 1/4	3/4	12 1/2	16 1/4	14	14	16 1/8	12 1/2
B-2	13 1/3" U.C., 12" Caps	17 1/2	11 3/4	4 3/8	5 5/8	1 1/2	20 1/4	7/8	15 1/2	19 1/8	16 5/8	16 5/8	19	15 1/2
B-3	16" U.C.	21 7/8	14 1/4	5	6 3/4	1 3/4	25	1	19 1/8	23 1/2	20 3/8	20 3/8	23 1/2	19 1/4

WHERE AN ARROW IS REQUIRED ON A GUIDE SIGN WHICH HAS A HEIGHT OF 2'-0" AND WHICH IS USUALLY ERECTED ON RAMP AND CROSSROADS AT INTERCHANGES, THE ARROW SHALL BE TYPE B-1.

* RECOMMENDED DIMENSIONS: TAPER SHOULD BE HELD CONSTANT FOR LONGER OR SHORTER SHAFT LENGTHS.



SPECIFICATION REFERENCE TABLE	
MATERIALS AND TEST SPECIFICATIONS (D-9)	D-9-710
ALUMINUM SIGN BLANKS	D-9-710
SIGN HARDWARE	D-9-7120
FLAT SURFACE REFLECTIVE SHEETING, TYPE C (HIGH SPECIFIC INTENSITY)	D-9-8300

GENERAL NOTES:

Route markers attached to guide signs shall be one piece sheet aluminum alloy conforming with Department Specification "Aluminum Signs (Type A)." Sketches shown are examples only.

Screws and washers shall be used unless otherwise noted in the plans. Screws or bolts, nuts and washers shall be stainless steel or aluminum.

Arrows shall be cut-out reflective sheeting (Type C) applied directly to sign background, or reflective sheeting (Type C) applied to one piece 0.063 inch thick sheet aluminum alloy conforming with Department Specification "Aluminum Signs (Type A)." Attachment of arrows applied to sheet aluminum alloy shall be as illustrated for sign blanks.

FINAL RECORD DRAWING

Date: 12/25/99

ISSUE DATE: 04-09-97

STANDARD PLANS
 TEXAS DEPARTMENT OF TRANSPORTATION
 Traffic Operations Division

ARROW AND ROUTE MARKER ATTACHMENT DETAILS FOR GUIDE SIGNS

IM(2)-93 (MOD.)

REV	DATE	BY	CHKD	APP'D	REASON
1	04-09-97	LR	DN	CK	
2	11-96				
3	4-97				

STATE DISTRICT	FEDERAL REGION	FEDERAL AID PROJECT	SHEET
6			32
COUNTY	CONTROL SECTION	JOB	HIGHWAY