

STRUCTURAL SIGN DATA

DESIGNATION	COLOR SCHEME		SHEETING	
	LEGEND	BACKGROUND	LEGEND	BACKGROUND
STRUCTURAL (ST)	BLACK	WHITE	OPAQUE BLACK FILM	ASTM TYPE 4
	WHITE	RED	ASTM TYPE 9 OR 11	ASTM TYPE 4
	WHITE	GREEN	ASTM TYPE 9 OR 11	ASTM TYPE 4
	WHITE	BLUE	ASTM TYPE 9 OR 11	ASTM TYPE 4
	WHITE	BROWN	ASTM TYPE 9 OR 11	ASTM TYPE 4
STRUCTURAL FLUORESCENT (STF)	BLACK	FL YELLOW	OPAQUE BLACK FILM	ASTM TYPE 9 OR 11
	BLACK	FL YELLOW-GREEN	OPAQUE BLACK FILM	ASTM TYPE 9 OR 11
	BLACK	FL ORANGE	OPAQUE BLACK FILM	ASTM TYPE 9 OR 11

NOTE: WHITE LEGEND IS DIRECT APPLIED UNLESS SPECIFIED OTHERWISE.

FLAT SHEET SIGN DATA

DESIGNATION	COLOR SCHEME		SHEETING
	LEGEND	BACKGROUND	
FLAT SHEET (SH)	BLACK **	WHITE	ASTM TYPE 4 WHITE
	WHITE	BLACK **	ASTM TYPE 4 WHITE
	RED	WHITE	ASTM TYPE 4 WHITE
	WHITE	RED	ASTM TYPE 4 WHITE
	WHITE	GREEN	ASTM TYPE 4 WHITE
	GREEN	WHITE	ASTM TYPE 4 WHITE
	WHITE	BLUE	ASTM TYPE 4 WHITE
	WHITE	BROWN	ASTM TYPE 4 WHITE
FLAT SHEET FLUORESCENT (SHF)	BLACK **	FL YELLOW	ASTM TYPE 9 OR 11 FL YELLOW
	BLACK **	FL YELLOW-GREEN	ASTM TYPE 9 OR 11 FL YELLOW-GREEN
	BLACK **	FL ORANGE	ASTM TYPE 9 OR 11 FL ORANGE

** OPAQUE INK OR FILM

NOTE: LEGEND AND BACKGROUND COLORS ARE ACHIEVED THROUGH TRANSLUCENT INKS AND FILMS.

FLAT SHEET THICKNESS	
SIGN SIZE	THICKNESS
9 SF OR LESS	0.080 IN.
OVER 9 SF BUT UNDER 16 SF	0.100 IN.
16 SF OR LARGER	0.125 IN.



GENERAL NOTES:

GROUND MOUNTED SIGNS GREATER THAN 5 FEET WIDE OR GREATER THAN 30 SQUARE FEET SHALL BE STRUCTURAL.

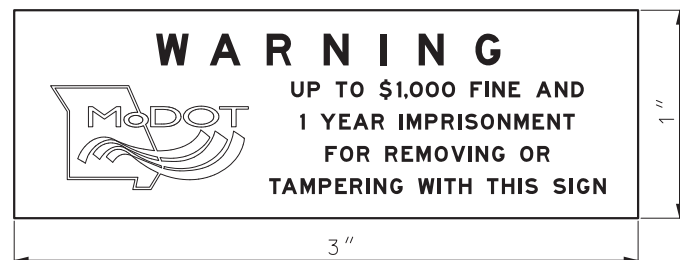
ALL NONSTANDARD SIGNS NOT FOUND IN THE MUTCD SHS MANUAL SHALL BE DETAILED BY THE HIGHWAY SAFETY AND TRAFFIC DIVISION OFFICE.

REFER TO STANDARD SPECIFICATION SEC 1042 FOR SHEETING, SUBSTRATE AND FABRICATION DETAILS.

FOR MOUNTING DETAILS, SEE STANDARD PLAN 903.03.

	MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION 105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)	
		HIGHWAY SIGNING GENERAL SIGN DATA
DATE EFFECTIVE: 7/1/2026 DATE PREPARED: 3/27/2026	903.02AR	SHEET NO. 1 OF 8

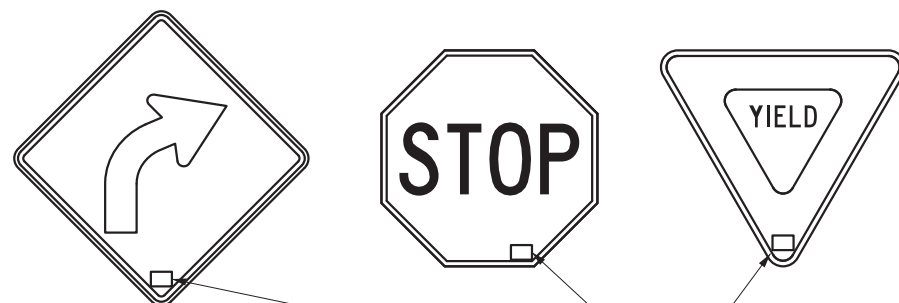
MODOT ID LABEL DETAILS
PLACED ON THE SIGN FACE



(1) USED ON SIGNS 9 SF AND LARGER



(1) USED ON SIGNS LESS THAN 9 SF



MODOT ID LABELS SHALL BE LOCATED AT THE BOTTOM RIGHT CORNER OF ANY RECTANGULAR SIGN, IN THE BOTTOM POINT OF A DIAMOND OR YIELD SIGN AND AT THE LOWER RIGHT CORNER OF A STOP SIGN IN CLOSE PROXIMITY TO THE SIGN BORDER. AVOID BOLT HOLE LOCATIONS. (4)



VENDOR ID LABEL DETAILS
PLACED ON THE BACK OF THE SIGN



OPTIONAL

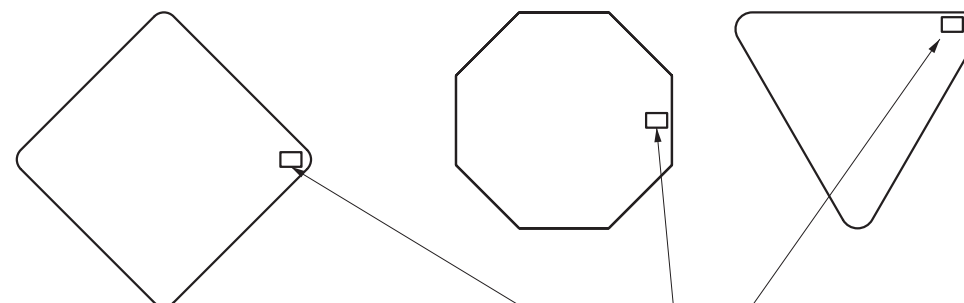


(2)

OPTIONAL



(3)



VENDOR ID LABELS SHALL BE LOCATED ON THE BACK OF THE SIGN IN THE LOWER RIGHT CORNER OF RECTANGULAR SIGNS OR RIGHT MOST EDGE OF DIAMOND, STOP OR YIELD SIGNS.

- (1) MODOT ID LABEL DETAILS AVAILABLE FROM THE HIGHWAY SAFETY AND TRAFFIC DIVISION.
- (2) TO FACILITATE MASS PRODUCTION OF LABELS, THE FABRICATION DATE MAY BE INDICATED BY DISPLAYING NUMBERS FOR MONTHS ALONG THE BOTTOM OF THE LABEL AND NUMBERS FOR YEARS ALONG THE RIGHT SIDE OF THE LABEL. THE FABRICATION DATE WOULD BE INDICATED BY HOLE PUNCHING THE APPROPRIATE NUMBERS (OR SOME EQUIVALENT PERMANENT METHOD TO BLOCK OUT OF THE NUMBERS) FOR THE MONTH AND YEAR, BEFORE THE LABEL IS APPLIED TO THE SIGN.
- (3) INDIVIDUAL DECALS MAY BE USED TO DISPLAY THE VENDOR INFORMATION AND THE FABRICATION DATE. DECALS SHALL BE INSTALLED IN CLOSE VERTICAL PROXIMITY.
- (4) THE MODOT ID LABEL MAY BE PLACED ON THE BACK OF THE SIGN ABOVE THE VENDOR ID LABEL IF THERE IS INSUFFICIENT SPACE AVAILABLE TO DISPLAY THE ID LABEL ON THE SIGN FACE WITHOUT INTERFERING WITH THE SIGN LEGEND OR BORDER.

GENERAL NOTES:

ALL DECALS SHALL BE SILK SCREEN PRINTED WITH MATCHED COMPONENT INK AND SHEETING MATERIALS TO PROVIDE A LABEL THAT HAS AN EQUAL LIFE EXPECTANCY AS THE SIGN FACE.

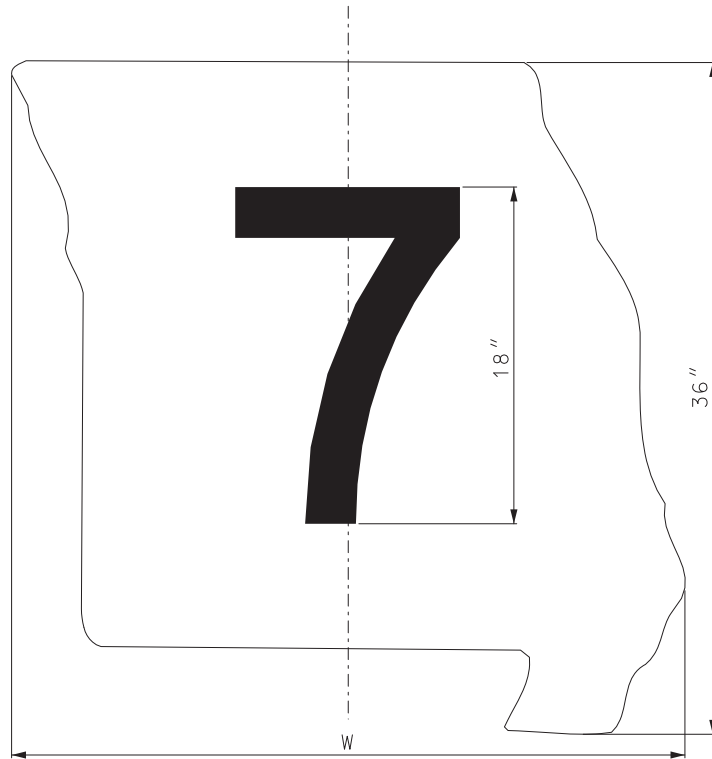
MODOT ID LABELS SHALL BE PRINTED ON CLEAR ELECTROCURT FILM BACKGROUND WITH BLACK INK OR IT MAY BE INCORPORATED INTO THE SILK SCREEN DETAIL AND PRINTED ALONG WITH THE SIGN FACE. IF THE LABEL IS APPLIED IN THIS MANNER THE LEGEND OF THE LABEL SHALL MATCH THE COLOR OF THE SIGN LEGEND IT IS BEING APPLIED TO. THE LABEL SHALL NOT HAVE ANY BACKGROUND COLOR OR BORDER.

VENDOR ID LABEL SHALL CONTAIN THE COMPANY CONTACT INFORMATION (INCLUDING FULL NAME, CITY, STATE, PHONE NUMBER) AND THE SIGN FABRICATION DATE.

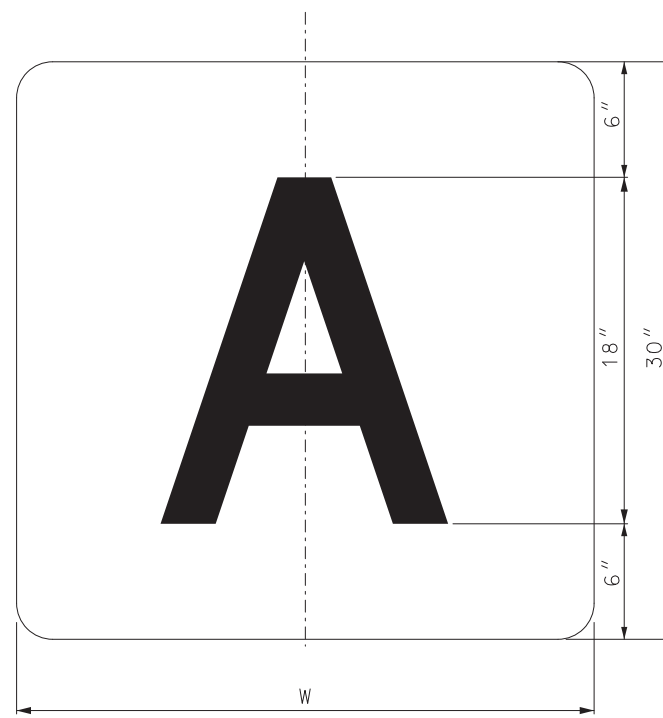
VENDOR ID LABEL SHALL BE PRINTED ON A WHITE BACKGROUND WITH BLACK INK AND THE LEGEND SHALL BE A MINIMUM OF 1/4".

	MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION 105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)	
		HIGHWAY SIGNING GENERAL SIGN DATA
DATE EFFECTIVE: 7/1/2026 DATE PREPARED: 3/27/2026	903.02AR	SHEET NO. 2 OF 8

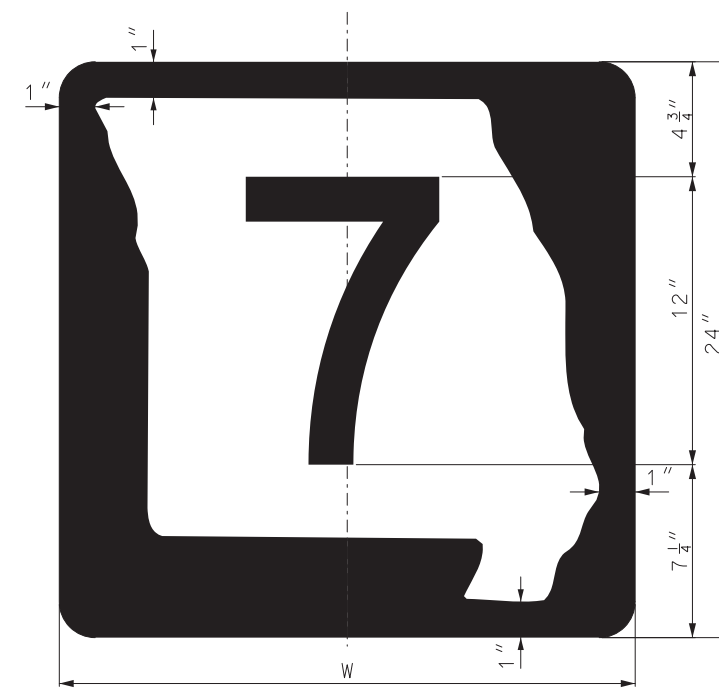
STATE NUMBER ROUTE SHIELD
GUIDE SIGN USE



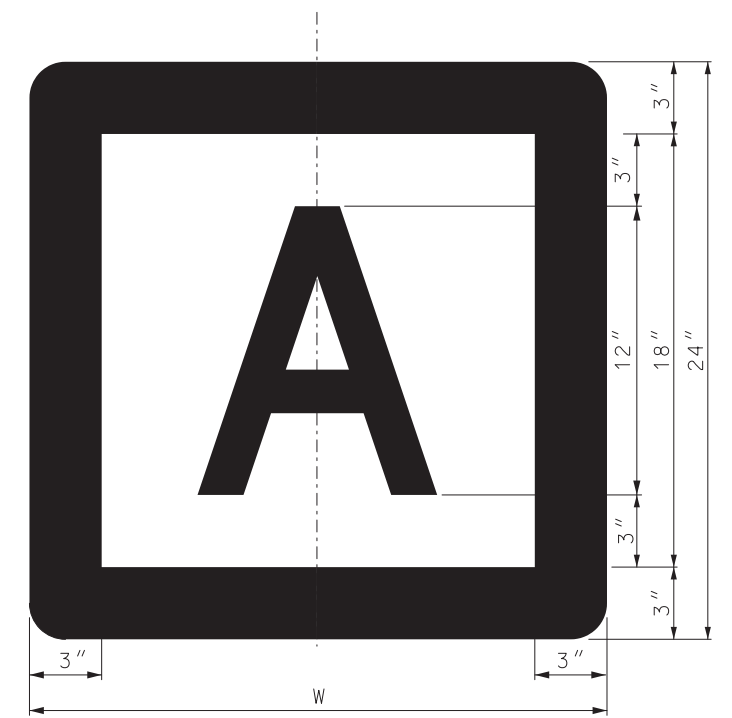
STATE LETTER ROUTE SHIELD
GUIDE SIGN USE



STATE NUMBER ROUTE SHIELD
INDEPENDENT USE



STATE LETTER ROUTE SHIELD
INDEPENDENT USE



LOCATION	ROUTE NUMBER	WIDTH (INCHES)	LEGEND FONTS
INDEPENDENT USE	1 & 2 DIGITS	24	D,C
INDEPENDENT USE	3 DIGITS	30	D,C,B
GUIDE SIGN USE	1 & 2 DIGITS	36	D,C
GUIDE SIGN USE	3 DIGITS	45	D,C,B

STATE NUMBER ROUTE SHIELD



LOCATION	NO. OF LETTERS	WIDTH (INCHES)	LEGEND FONTS
INDEPENDENT USE	1	24	D
INDEPENDENT USE	2	30	D
GUIDE SIGN USE	1	30	D
GUIDE SIGN USE	2	36	D

STATE LETTER ROUTE SHIELD



GENERAL NOTES:

REFER TO STANDARD SPECIFICATION SEC 1042 FOR SHEETING AND SUBSTRATE DETAILS.

FOR HOLE PUNCHING AND MOUNTING DETAILS, SEE OTHER DRAWINGS.

FOR GENERAL SIGN DATA DETAILS, SEE OTHER DRAWINGS.

THE MISSOURI SHAPE DETAIL MAY BE OBTAINED FROM THE HIGHWAY SAFETY AND TRAFFIC DIVISION OFFICE.

GUIDE SIGN USE SHALL BE DIRECT APPLIED. POST MOUNTED USE SHALL BE APPLIED TO ALUMINUM SUBSTRATE.

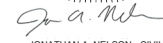
FOR NUMBERED ROUTES WITH MORE THAN 1 DIGIT THE LEGEND FONT MAY NEED TO BE REDUCED TO C OR B FONT.

SEE MUTCD SHS FOR DETAILS FOR US AND INTERSTATE ROUTE SHIELDS.

NONSTANDARD SHIELD SIZES MAY BE OBTAINED FROM THE HIGHWAY SAFETY AND TRAFFIC DIVISION OFFICE.

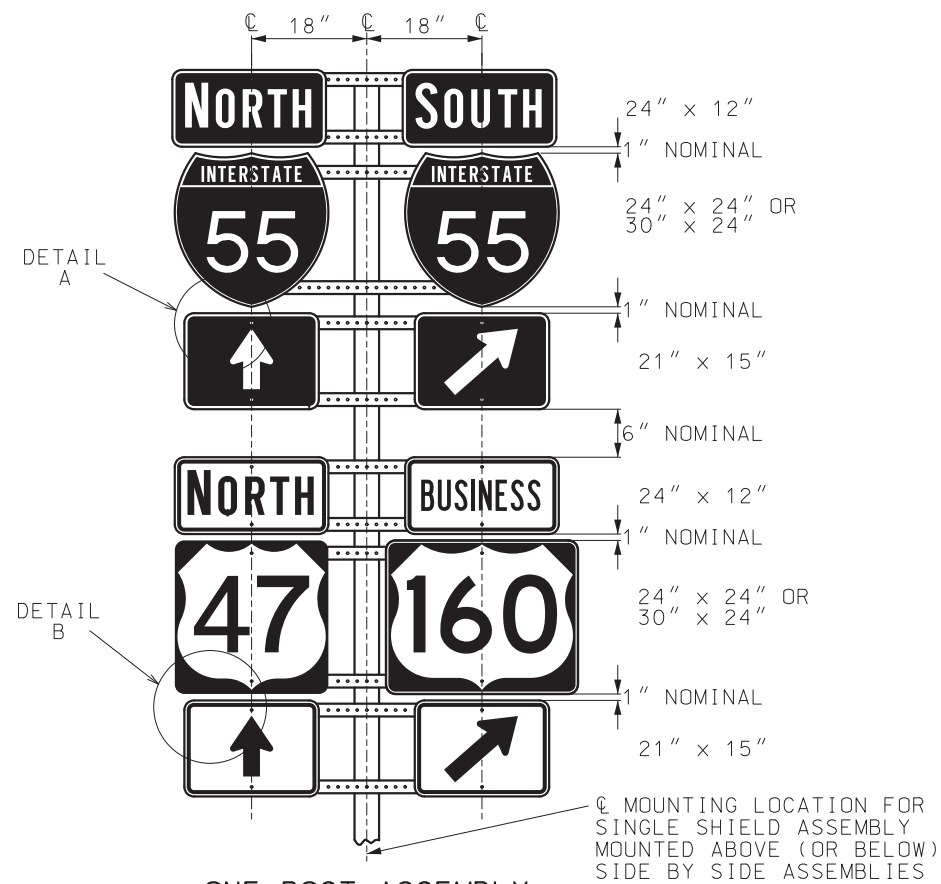
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

 105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

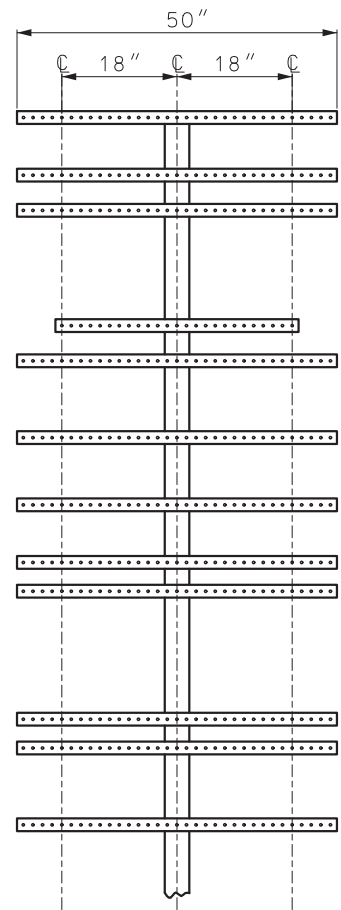
STATE OF MISSOURI
 JONATHAN A. NELSON
 NUMBER
 PE-2008019578
 PROFESSIONAL ENGINEER

 JONATHAN A. NELSON - CIVIL
 MO-PE-2008019578

**HIGHWAY SIGNING
STANDARD SHIELDS FOR
INDEPENDENT AND GUIDE
SIGN USE**

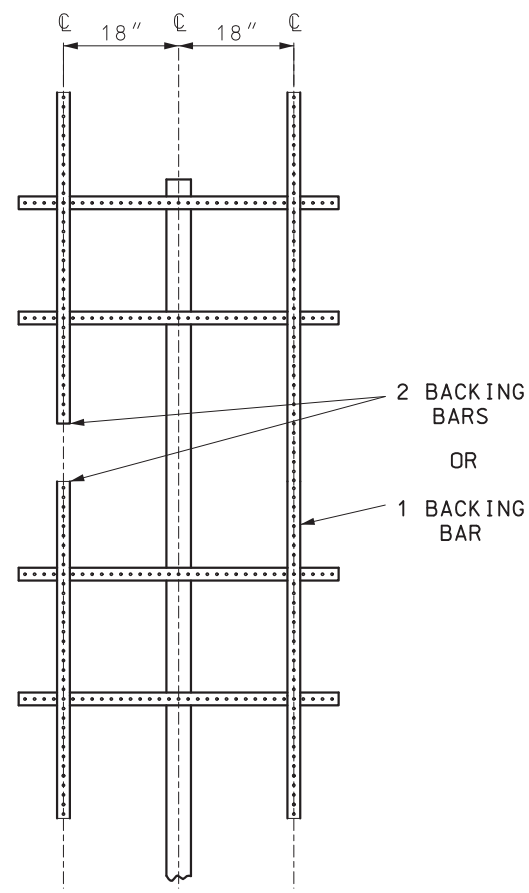
DATE EFFECTIVE: 7/1/2026	903.02AR	SHEET NO. 3 OF 8
DATE PREPARED: 3/27/2026		



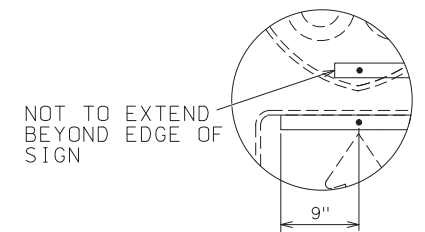
ONE POST ASSEMBLY
USE TO SUPPORT UP TO 4 ROUTE MARKERS



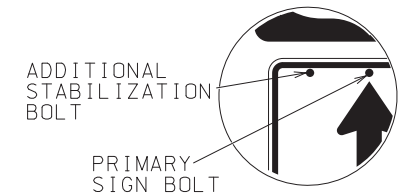
STANDARD BACKING BAR LAYOUT



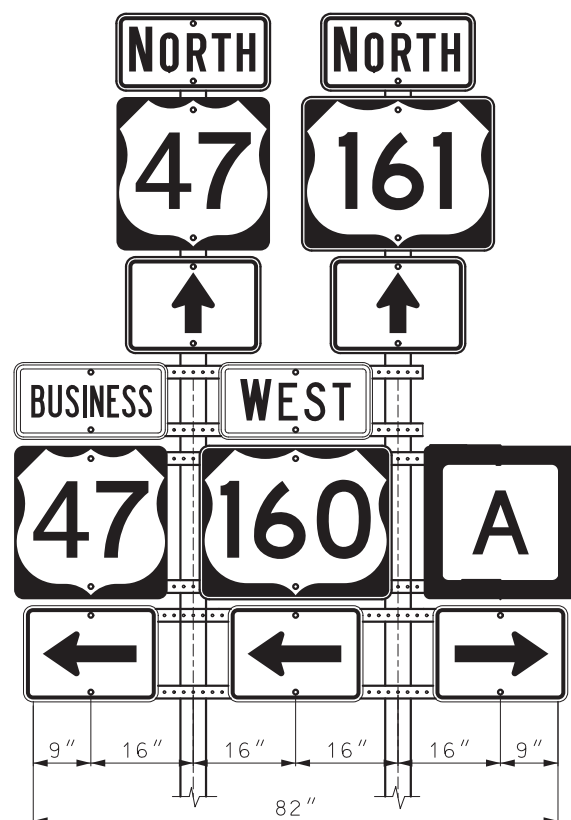
OPTIONAL BACKING BAR LAYOUT



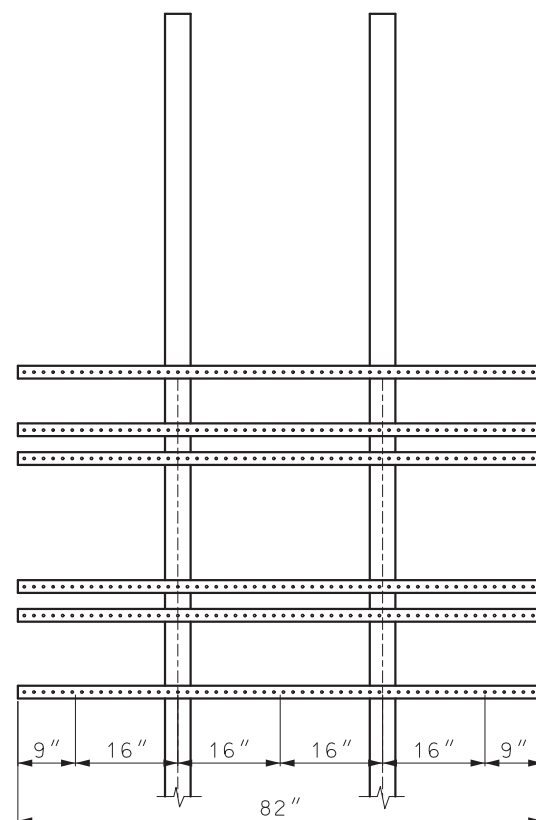
DETAIL A
SEE GENERAL NOTES



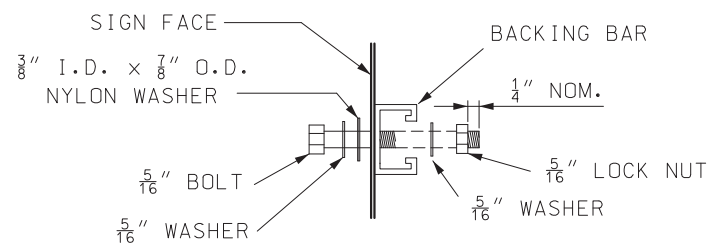
DETAIL B
SEE GENERAL NOTES



TWO POST ASSEMBLY
USE TO SUPPORT 3 TO 6 ROUTE MARKERS



STANDARD BACKING BAR LAYOUT



SIGN ATTACHMENT DETAIL

TWO POST ASSEMBLY NOTE:

OPTIONAL BACKING BAR LAYOUT MAY BE USED WITH TWO POST ASSEMBLY.

FOR 6 ROUTE SHIELD ASSEMBLY, ADDITIONAL BACKING BARS ARE REQUIRED.

POST SELECTION:

4" PIPE POST IS THE TYPICAL POST FOR THIS APPLICATION.

EPG 903 PSST & PIPE POST QUICK REFERENCE TABLES HAVE PSST POST SELECTIONS.

I-BEAM POST SHALL NOT BE USED.

GENERAL NOTES:

DETAIL A - THE END OF THE HORIZONTAL BACKING BARS SHALL EXTEND MAXIMUM OF 9 INCHES PAST THE SIGN BOLT, BUT SHALL NOT EXTEND PAST THE EDGE OF THE SIGN.

DETAIL B - FOR SIGNS INSTALLED ON TWO PARALLEL HORIZONTAL BACKING BARS, ONE ADDITIONAL BOLT SHALL BE ADDED TO THE LEFT SIGN TO KEEP ASSEMBLY SQUARE.

FOR ALUMINUM BACKING BAR DETAILS, SEE SHEET 7.

WHEN USING OPTIONAL BACKING BAR LAYOUT, SIGNS ARE MOUNTED ON VERTICAL BARS IN FRONT OF HORIZONTAL BARS.

ALL SIGNS TO BE INSTALLED ALONG VERTICAL CENTERLINES.

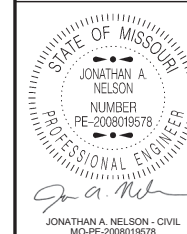
FOR POST AND FOOTING DATA AND DETAILS OF SHIELDS AND PLAQUES, SEE OTHER DRAWINGS.

NOMINAL VERTICAL SPACING INDICATED BETWEEN SIGNS TO BE ACHIEVED BY USING THE CLOSEST AVAILABLE HOLES IN ALUMINUM BACKING BARS AND IN PSST WHEN USED.



MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

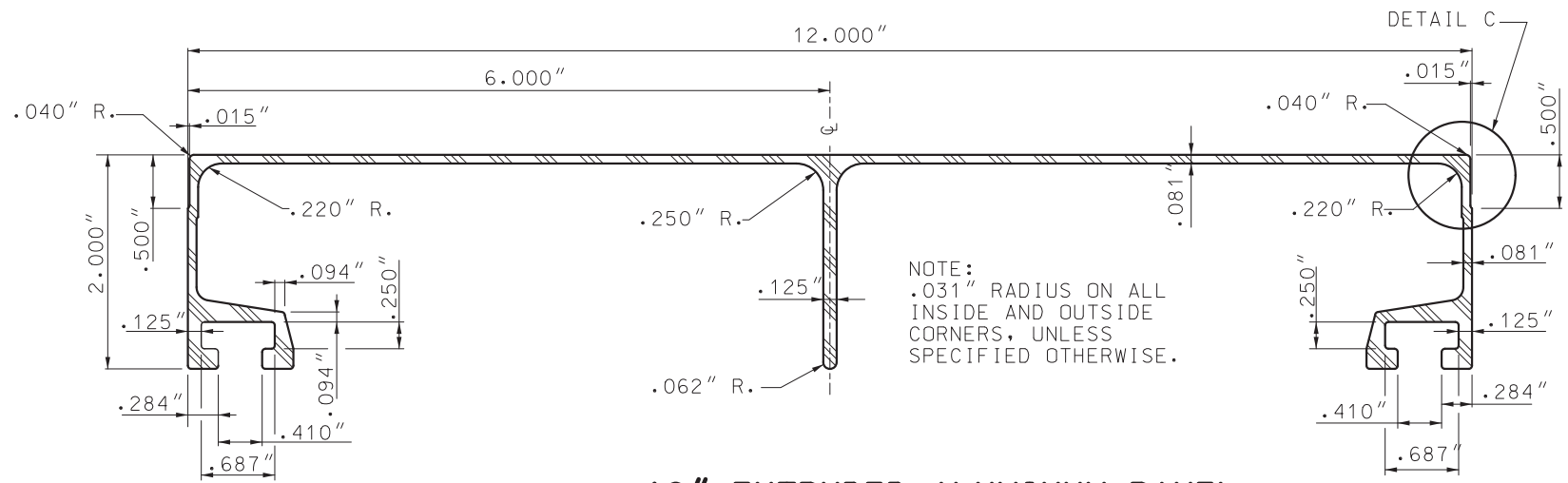


HIGHWAY SIGNING
BACKING BARS
SHEET SIGN MOUNTING
ROUTE SHIELD AND
MARKER ASSEMBLIES

DATE EFFECTIVE: 7/1/2026
DATE PREPARED: 3/27/2026

903.02AR

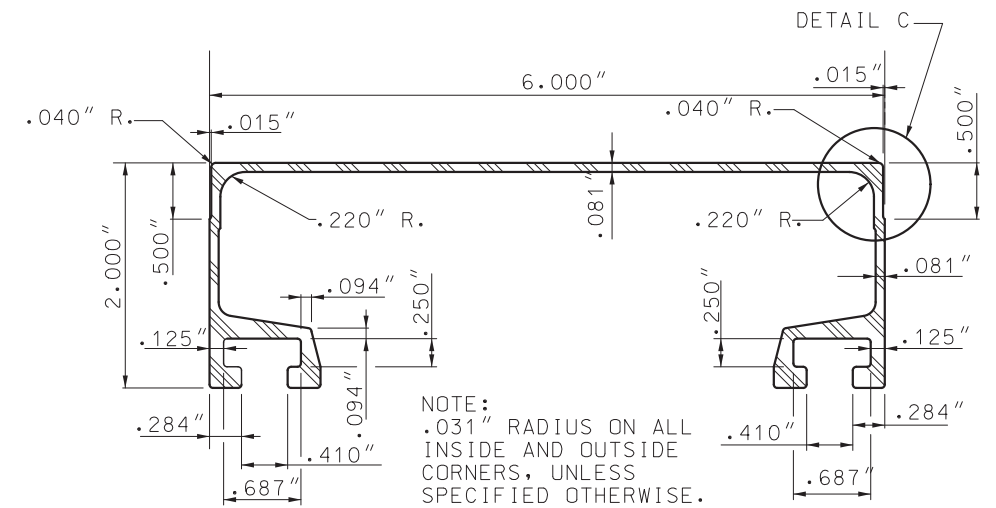
SHEET NO.
4 OF 8



12" EXTRUDED ALUMINUM PANEL
MINIMUM WT. = 2.40 LBS./FT.

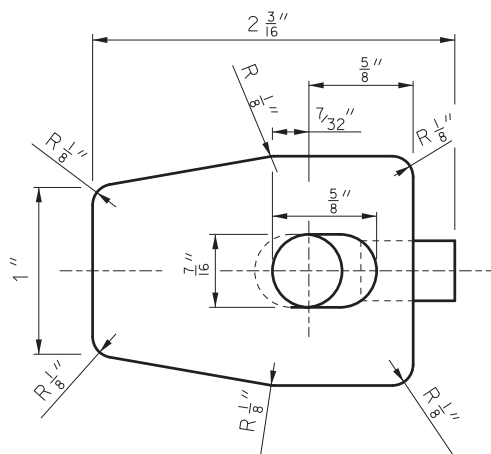
NOTE:
MINIMUM WEIGHT AND THICKNESS DIMENSIONS SHOWN.
HEAVIER PANELS MAY BE USED.

NOTE:
.031" RADIUS ON ALL
INSIDE AND OUTSIDE
CORNERS, UNLESS
SPECIFIED OTHERWISE.

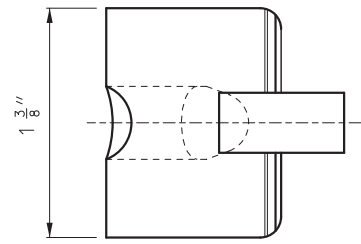


6" EXTRUDED ALUMINUM PANEL
MINIMUM WT. = 2.40 LBS./FT.

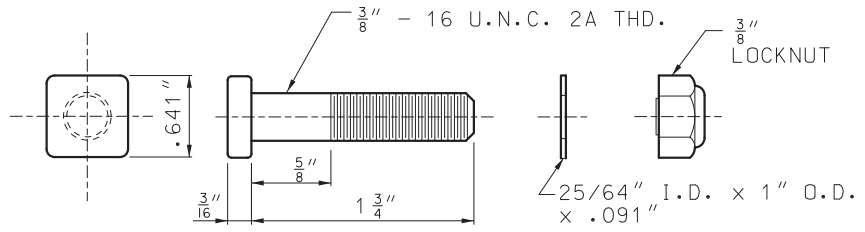
NOTE:
.031" RADIUS ON ALL
INSIDE AND OUTSIDE
CORNERS, UNLESS
SPECIFIED OTHERWISE.



PLAN VIEW



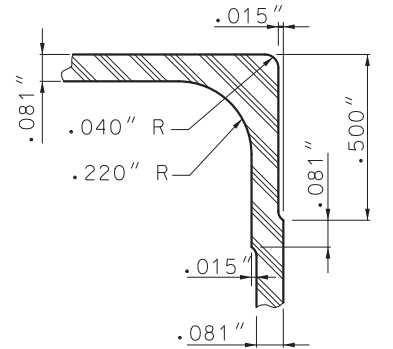
END VIEW



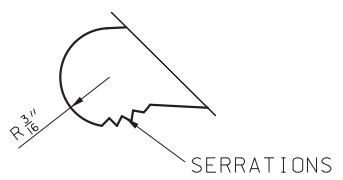
**POST CLIP BOLT
WITH FLAT WASHER AND LOCKNUT**

NOTE:
SQUARE BOLT HEAD SHOWN.
RECTANGULAR BOLT HEAD WITH
LEAST DIMENSION OF .641" MAY
BE USED.

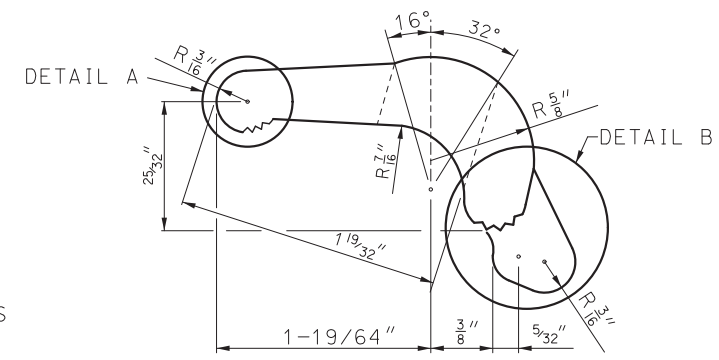
BOLT - 1 3/4 x 1/8 ALUMINUM
HEX LOCKNUT - 1/8 ALUMINUM
WASHER - ALUMINUM



DETAIL C



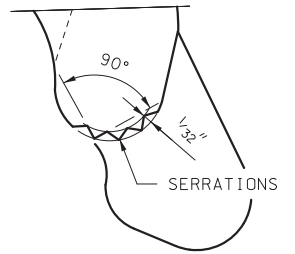
DETAIL A
ENLARGED VIEW OF
SERRATIONS



ELEVATION VIEW

POST CLIP

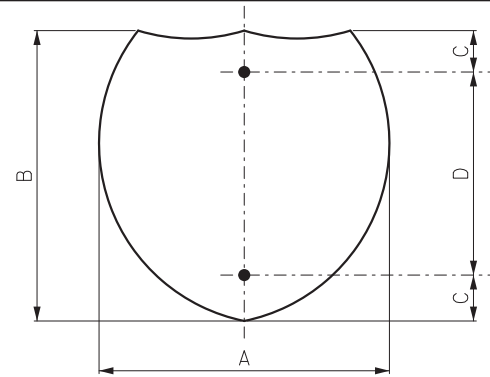
POST CLIPS SHALL BE ASTM B 108, 356-T6 ALUMINUM ALLOY.



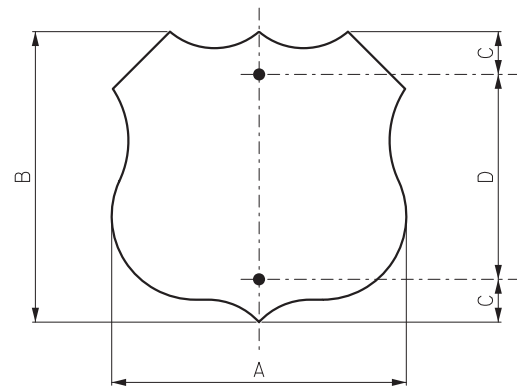
DETAIL B
ENLARGED DETAIL OF SERRATIONS

SAW GATING AS SHOWN
(APPROXIMATELY FLAT PERMISSIBLE)

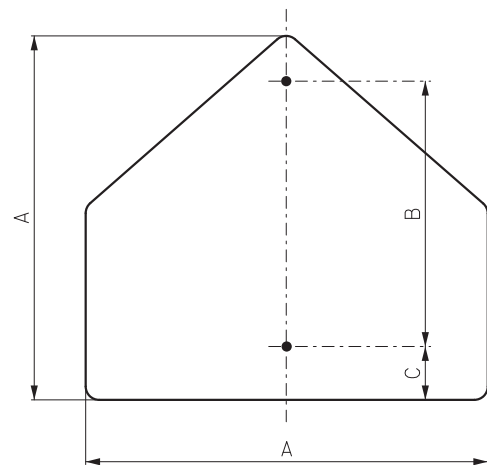
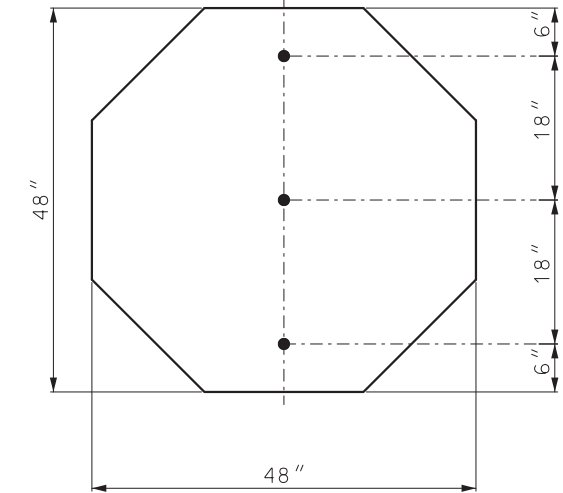
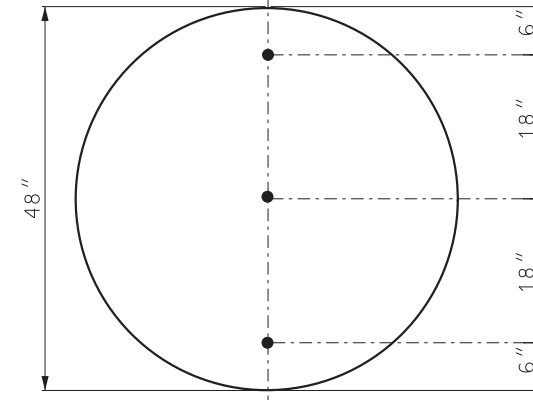
		MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION 105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)	
		<p align="center">HIGHWAY SIGNING EXTRUDED ALUMINUM PANEL DETAILS</p>	
JONATHAN A. NELSON - CIVIL MO-PE-2008019578			
DATE EFFECTIVE:	7/1/2026	903.02AR	SHEET NO.
DATE PREPARED:	3/27/2026		5 OF 8



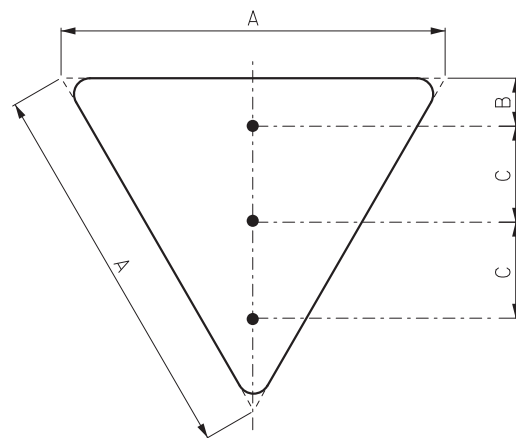
DIMENSIONS (IN.)			
A	B	C	D
24	24	3	18
30	24	3	18
36	36	6	24
45	36	6	24



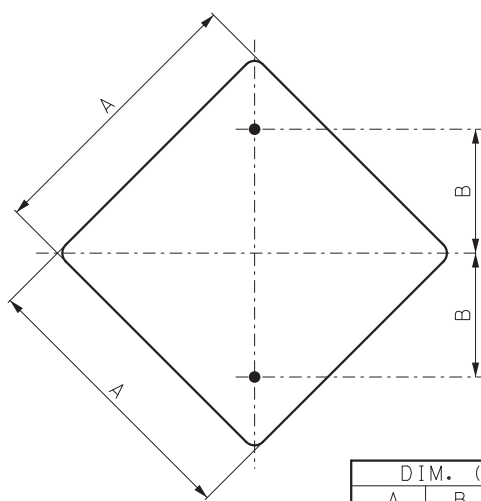
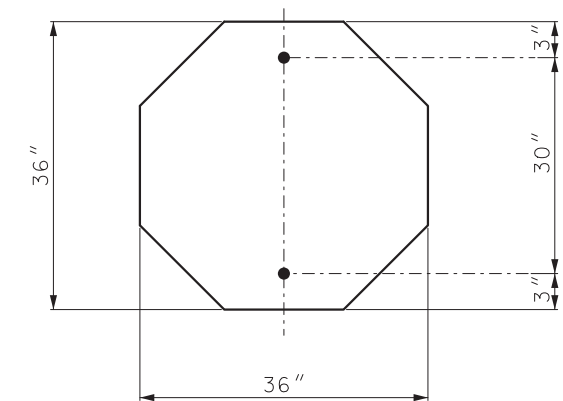
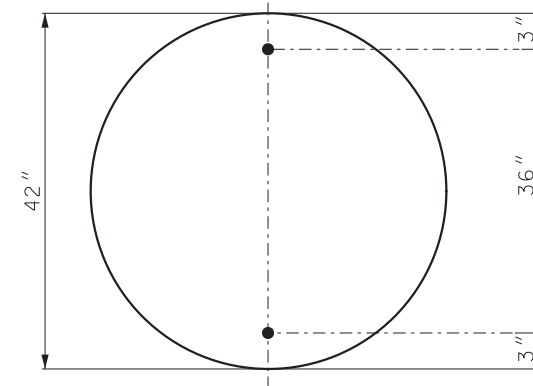
DIMENSIONS (IN.)			
A	B	C	D
24	24	3	18
30	24	3	18
36	36	6	24
45	36	6	24



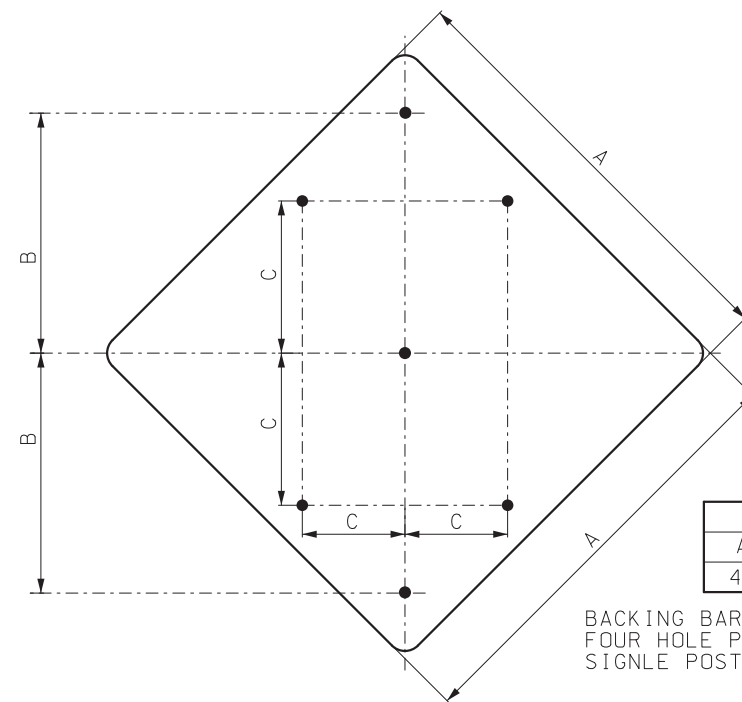
DIMENSIONS (IN.)			
A	B	C	RADIUS
36	24	3	2.25



DIMENSIONS (IN.)			
A	B	C	RADIUS
48	6	12	3
60	8	15	4



DIM. (IN.)		
A	B	RADIUS
18	9	1.5
24	12	1.5
30	15	1.875
36	18	2.25



DIMENSIONS (IN.)			
A	B	C	RADIUS
48	24	15	3

BACKING BARS ONLY REQUIRED FOR FOUR HOLE PUNCH INSTALLATION ON SINGLE POST.

GENERAL NOTES:

SIGNS WITH FOUR OR MORE HOLES REQUIRE BACKING BARS OR MULTIPLE POSTS.

HOLES IN SIGNS SHALL BE $\frac{3}{8}$ " AND PUNCHED AS SHOWN ON THIS DRAWING.

FLAT SHEET FOR SIGNS SHALL BE THE FOLLOWING THICKNESS:

9 SQUARE FEET OF LESS = 0.080 IN.

OVER 9 BUT UNDER 16 SQUARE FEET = 0.100 IN.

16 SQUARE FEET OR LARGER = 0.125 IN.

FOR MOUNTING DETAILS, SEE STANDARD PLAN 903.03.

MoDOT MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
 105 WEST CAPITOL JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

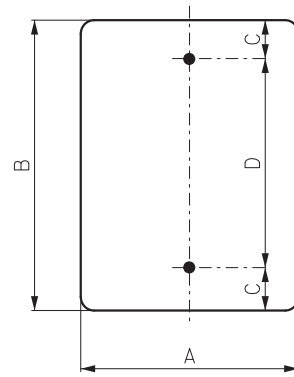
STATE OF MISSOURI
 JONATHAN A. NELSON
 NUMBER PE-2008019578
 PROFESSIONAL ENGINEER
 Jonathan A. Nelson
 JONATHAN A. NELSON - CIVIL
 MO-PE-2008019578

HIGHWAY SIGNING
HOLE PUNCHING

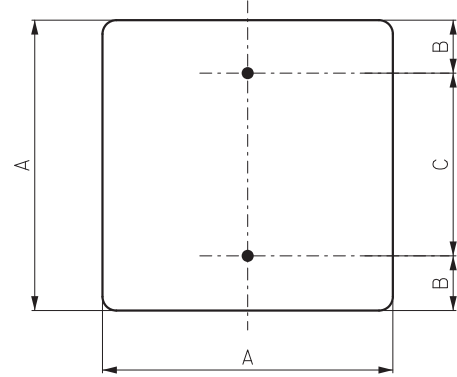
DATE EFFECTIVE: 7/1/2026
 DATE PREPARED: 3/27/2026

903.02AR

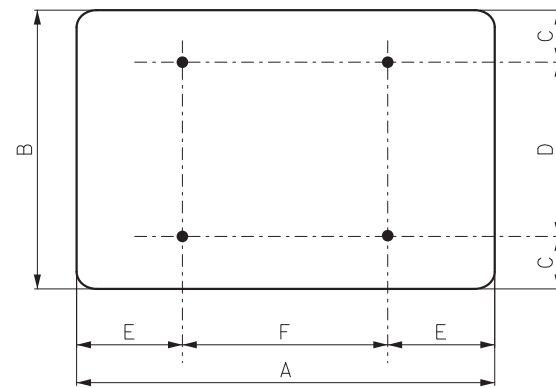
SHEET NO.
 6 OF 8



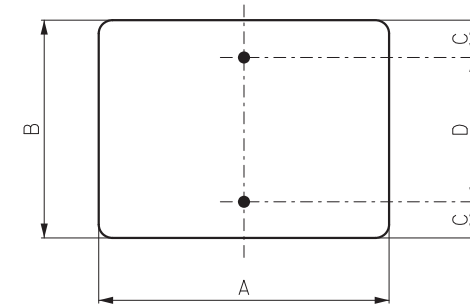
DIMENSIONS (IN.)				
A	B	C	D	RADIUS
4	16	0.75	14.5	SQ
6	12	1.5	9	1
9	12	3.5	5	1.5
9	15	3.75	7.5	1.5
12	18	3	12	1.5
12	24	3	18	1.5
12	36	3	30	1.5
12	48	3	42	1.5
15	21	3	15	1.5
18	24	3	18	1.5
24	30	3	24	1.5
24	36	3	30	1.5
30	36	3	30	1.875
30	42	3	36	1.875
36	42	3	36	1.875



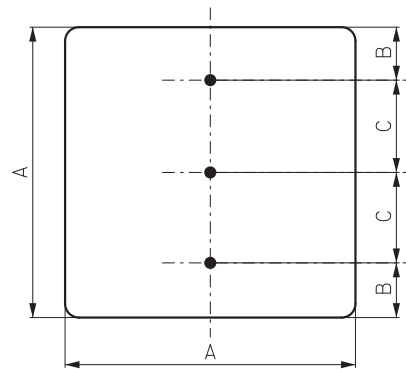
DIMENSIONS (IN.)			
A	B	C	RADIUS
12	1.5	9	1.5
18	3	12	1.5
24	3	18	1.5
30	3	24	1.875
36	6	24	2.25



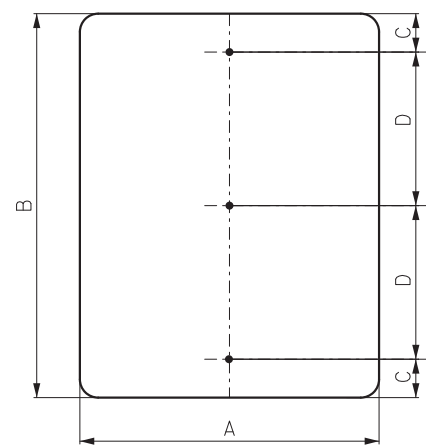
DIMENSIONS (IN.)						
A	B	C	D	E	F	RADIUS
48	12	1.5	9	9	30	1.5
48	15	1.5	12	9	30	1.5
48	18	1.5	15	9	30	1.5
48	24	3	18	9	30	1.5
48	30	3	24	9	30	1.875
48	36	6	24	9	30	2.25
54	18	1.5	15	9	36	1.5
60	12	1.5	9	12	36	1.5
60	18	1.5	15	12	36	1.5
60	24	3	18	12	36	1.5
60	30	3	24	12	36	1.875
60	36	6	24	12	36	2.25
60	48	6	36	12	36	3
72	36	6	24	12	48	2.25
72	48	6	36	12	48	3



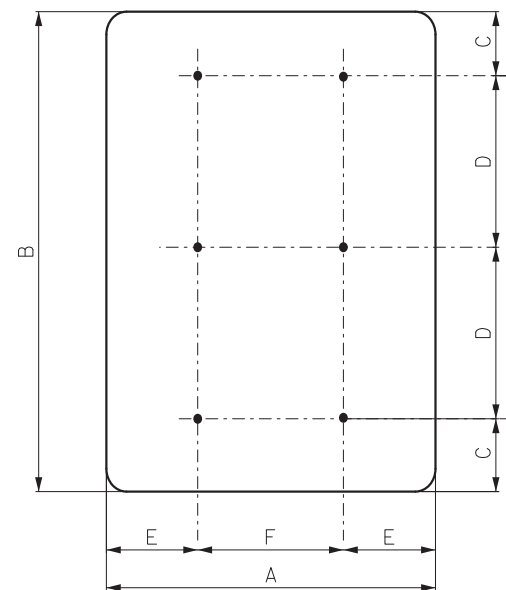
DIMENSIONS (IN.)				
A	B	C	D	RADIUS
4	5	1.5	2	1.5
12	9	1.5	6	1.5
18	9	1.5	6	1.5
18	12	1.5	9	1.5
21	15	1.5	12	1.5
24	8	1.5	5	1.5
24	12	1.5	9	1.5
24	18	3	12	1.5
30	8	1.5	5	1.5
30	12	1.5	9	1.5
30	18	3	12	1.5
30	21	3	15	1.5
30	24	3	18	1.5
36	8	1.5	5	1.5
36	12	1.5	9	1.5
36	18	3	12	1.5
36	24	3	18	1.5
36	30	3	24	1.875
42	8	1.5	5	1.5
42	18	3	12	1.5
42	24	3	18	1.5
42	30	3	24	1.875
42	36	3	30	2.25
48	8	1.5	5	1.5



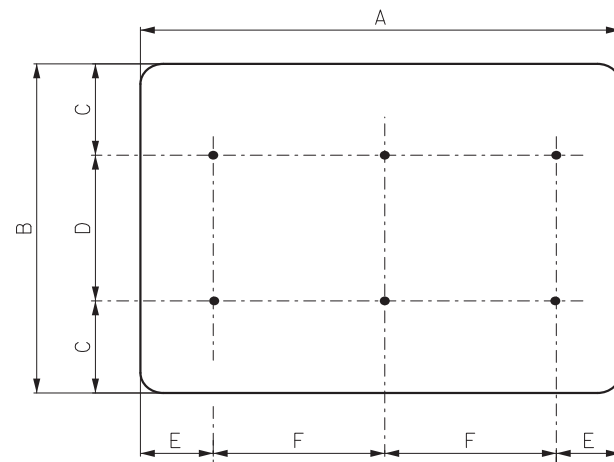
DIMENSIONS (IN.)			
A	B	C	RADIUS
48	6	18	3



DIMENSIONS (IN.)				
A	B	C	D	RADIUS
12	72	6	30	1.5
18	60	6	24	1.5
24	48	6	18	1.5
30	48	6	36	1.875
36	48	6	18	2.25
36	60	6	24	2.25
36	72	6	30	2.25

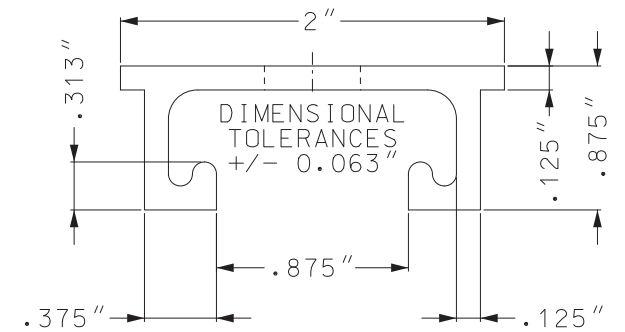
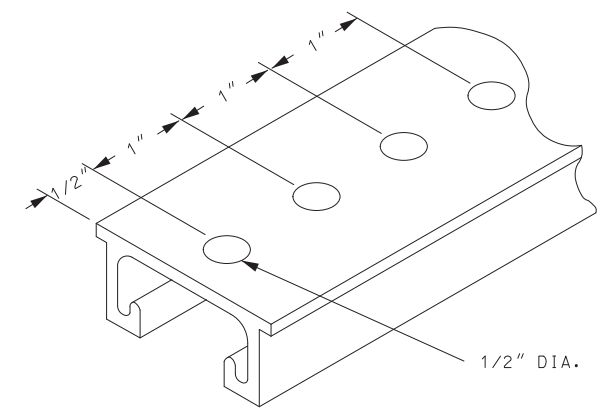
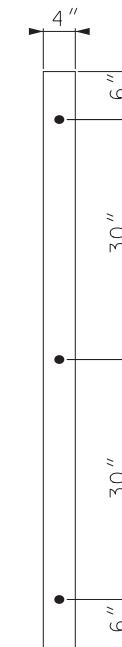


DIMENSIONS (IN.)						
A	B	C	D	E	F	RADIUS
48	60	6	24	9	30	3
48	72	6	30	9	30	3
48	84	6	36	9	30	3
48	96	6	42	9	30	3

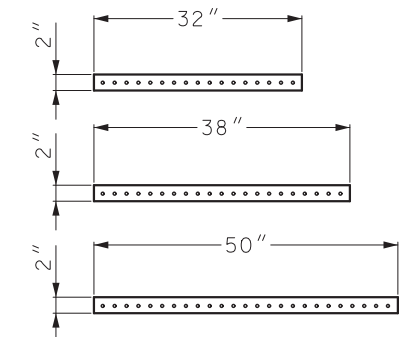


DIMENSIONS (IN.)						
A	B	C	D	E	F	RADIUS
84	24	3	18	12	30	3
96	48	6	36	16	32	3

DIMENSIONS (IN.) FOR SIGNS REQUIRING NO HOLE PUNCHING		
A	B	RADIUS
66	18	1.5
72	18	1.5
78	18	1.5
84	18	1.5
90	18	1.5
96	18	1.5
36	78	2.25



6061-T6 ALUMINUM BACKING BAR DETAIL



BACKING BARS FOR SINGLE POST SIGNS

GENERAL NOTES:

REFER TO GENERAL NOTES ON SHEET 6.

MoDOT MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
 105 WEST CAPITOL JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

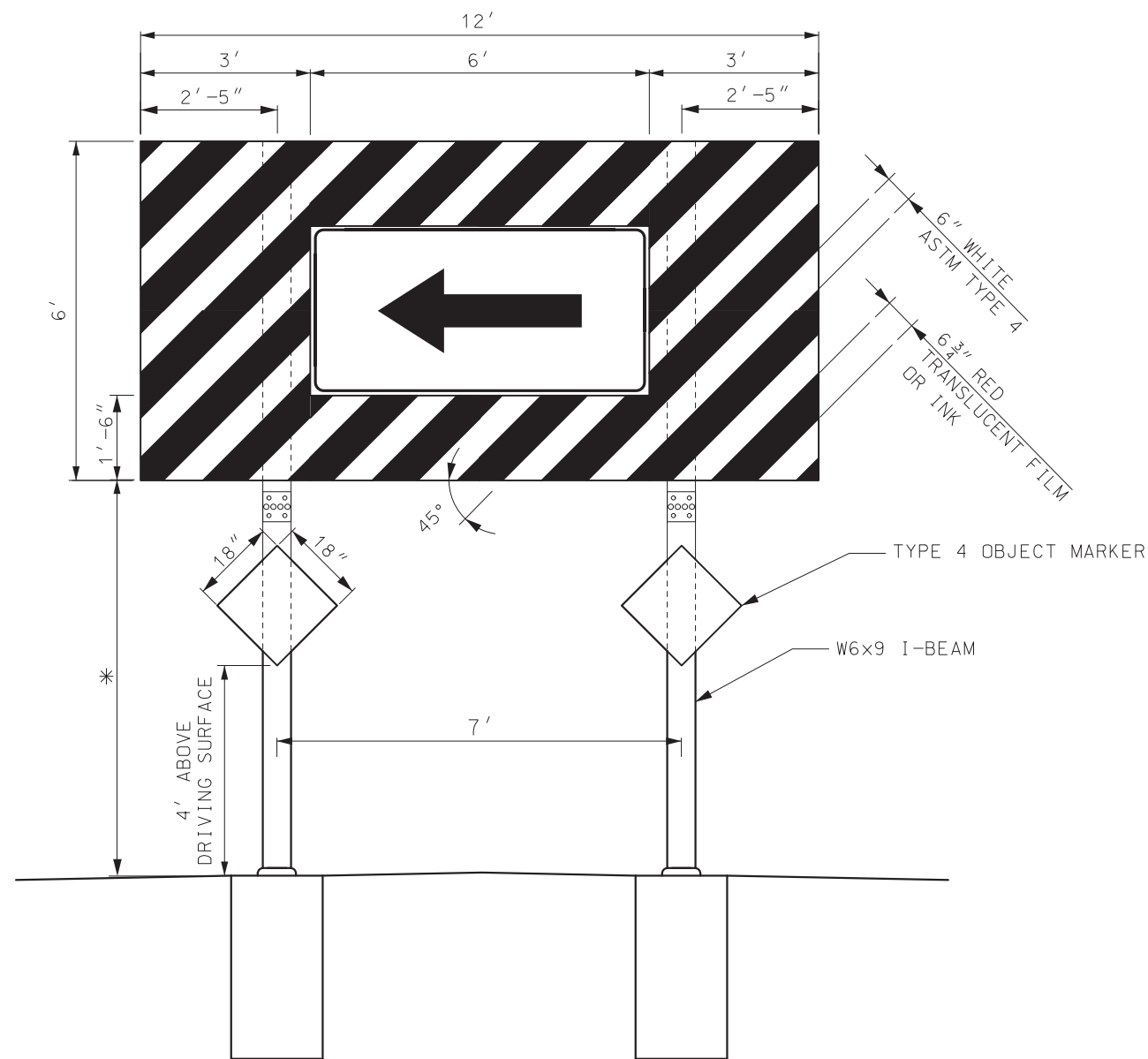
STATE OF MISSOURI
 JONATHAN A. NELSON
 NUMBER PE-2008019578
 PROFESSIONAL ENGINEER
 Jonathan A. Nelson
 JONATHAN A. NELSON - CIVIL
 MO-PE-2008019578

HIGHWAY SIGNING
 HOLE PUNCHING

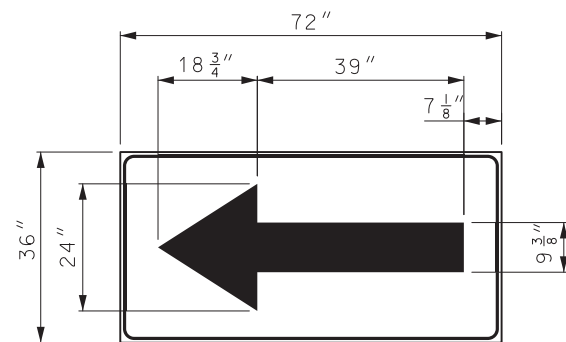
DATE EFFECTIVE: 7/1/2026
 DATE PREPARED: 3/27/2026

903.02AR

SHEET NO.
 7 OF 8

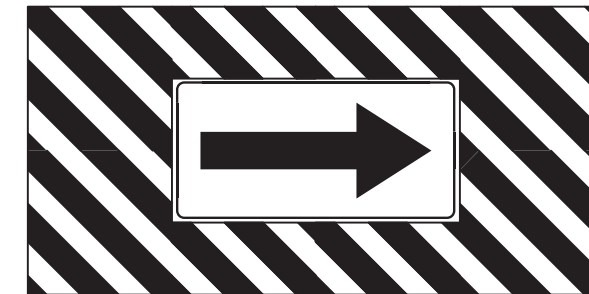


* SEE STANDARD PLAN 903.03 FOR INSTALLATION ON I-BEAM POSTS



SIGN BORDER DETAILS:
 WIDTH 0.875"
 INDENT 0.625"
 RADIUS 2.250"

W1-6 SIGN DETAIL



DEAD END

GENERAL NOTES:

SEE STANDARD PLAN 903.03 FOR I-BEAM INSTALLATION.

SIGN BARRICADE SHALL BE CONSTRUCTED AS A STRUCTURAL (ST) SIGN.

DIRECTIONAL ARROW SHALL BE FLAT SHEET FLUORESCENT (SHF) AND CONSIDERED INCIDENTAL TO THE SIGN.

ALL REFLECTORIZED SURFACES SHALL BE RETROREFLECTIVE SHEETING IN ACCORDANCE WITH SEC 1042.

	MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION 105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)	
		<p align="center">HIGHWAY SIGNING</p> <p align="center">SIGN BARRICADE</p>
DATE EFFECTIVE: 7/1/2026 DATE PREPARED: 3/27/2026	<p align="center">903.02AR</p>	SHEET NO. 8 OF 8