



*See page A10 for symbol design

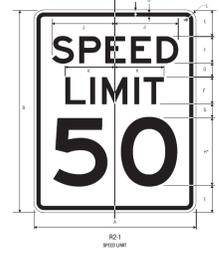
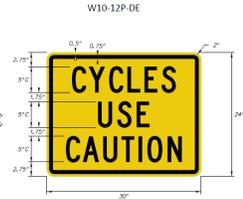
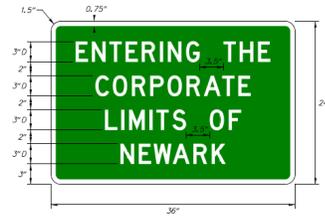


Table with 12 columns (A-L) and 4 rows of dimensions for speed limit signs.

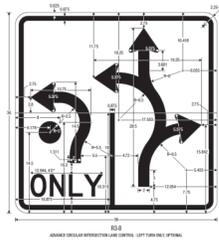
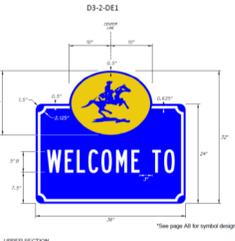


Table with 12 columns (A-L) and 3 rows of dimensions for no parking signs.



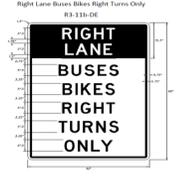
Table with 12 columns (A-L) and 3 rows of dimensions for state law signs.



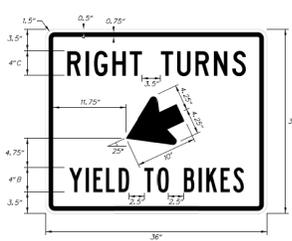
UPPER SECTION COLORS: LEGEND - BLUE (RETROREFLECTIVE) BACKGROUND - YELLOW (RETROREFLECTIVE) LOWER SECTION COLORS: LEGEND BORDER - WHITE (RETROREFLECTIVE) LEGEND BACKGROUND - BLUE (RETROREFLECTIVE)



COLORS: LEGEND BORDER - WHITE (RETROREFLECTIVE) BACKGROUND - GREEN (RETROREFLECTIVE)



UPPER SECTION COLORS: LEGEND - WHITE (RETROREFLECTIVE) BACKGROUND - BLACK LOWER SECTION COLORS: LEGEND BORDER - BLACK BACKGROUND - WHITE (RETROREFLECTIVE)



LEGEND BORDER - WHITE (RETROREFLECTIVE) LEGEND BACKGROUND - WHITE (RETROREFLECTIVE) STOP SIGN COLORS: LEGEND BORDER - WHITE (RETROREFLECTIVE) BACKGROUND - RED (RETROREFLECTIVE)



2018 EDITION

Delaware Standard Highway Signs

For use with the 2018 DE MUTCD



Table with 12 columns (A-L) and 3 rows of dimensions for no through traffic signs.

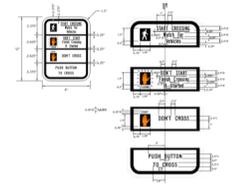


Table with 12 columns (A-L) and 3 rows of dimensions for no turns signs.

COLORS: LEGEND BORDER - BLACK BACKGROUND - WHITE (RETROREFLECTIVE)



Table with 12 columns (A-L) and 3 rows of dimensions for no stopping signs.



COLORS: LEGEND BORDER - BLACK BACKGROUND - WHITE (RETROREFLECTIVE) LEGENDED HAND SYMBOLS - ORANGE (RETROREFLECTIVE) ON BLACK BACKGROUND - WHITE (RETROREFLECTIVE) ON BLACK



Table with 12 columns (A-L) and 3 rows of dimensions for red signal ahead signs.

Preface

This book presents detailed drawings of 98 Delaware specific signs outlined in the Delaware Manual on Uniform Traffic Control Devices for Streets and Highways (DE MUTCD) 2018 Edition. Furthermore, this book outlines minimum retro-reflective material requirements for each sign (Type I -Engineering Grade, Type IV- High-Intensity and Type IX - Diamond Grade). Note that, Type I material has the lowest retro-reflective grade, while Type IX has the highest retro-reflective grade of all three materials. The substitution of lower grade retro-reflective material with higher grade retro-reflective material is permitted for every sign presented in this book. However, substituting higher grade retro-reflective material with lower grade retro-reflective material is not permitted for any sign presented in this book. For example, a minimum retro-reflective material requirement for R3-20-DE (Turn Lane) sign is Type IV. In this case substituting Type IV with Type IX is permitted, however, substituting Type IV with Type I is not permitted.

All dimensions presented in the book are expressed in inches. For all word messages, Standard Highway Gothic font was used. The exception to this rule were signs D2-2- DE, D14-4-DE, D4-3-DE, SI-1-DE and SI-2-DE, where custom made fonts were used. The symbol's overall height, width and location on a sign are dimensioned. However, symbol details (graphics) are not dimensioned, but shown on a grid in the

Appendix of this book. The grid is provided as a reference to ensure proportional relationship, not exact measurement.

Furthermore, the Appendix contains detailed design procedures on how to size and properly layout Destination Guide (D1-1), Street Blade (D3-1), Advance Street Blade (W16-8) signs and decals. The Delaware Standard Highway Signs Book is accompanied with “shop” drawings presented in three digital formats:

a) Full-size, vector-based, dimensioned sign layout in .dwg format. This format can be imported in any CADD software for further manipulations.

b) Full-size, vector-based, colored, un-dimensioned sign layouts in Adobe Illustrator (.ai) format. Layouts are to scale for each standard sign size indicated and can be transmitted directly to an electronic vinyl cutter for fabrication purposes and mounting onto a sign substrate. Please note that sign layouts do not necessarily scale directly from one size to the next, so be certain to use the correct file for the specified sign size.

c) Full-size, vector-based, colored, un-dimensioned sign layouts in FlexiSIGN (.fs) format. Layouts are to actual scale for each standard sign size indicated and can be transmitted directly to an electronic vinyl cutter for fabrication purposes and mounting onto a sign substrate.

The new and updated sign designs in this book supersede any previous designs for the same signs contained in the previous editions of the Delaware Standard Highway Sign Book. These designs are to be used by all traffic authorities, agencies, jurisdictions and persons involved with fabrication, installation and maintenance of traffic signs on streets and highways in the State of Delaware.

<u>Regulatory Signs</u>	<u>Sign Code</u>	<u>Page</u>
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Turn Lane	R3-20-DE	4
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No Trucks Left Lane Except Left Turns	R4-3-DE1	6
No Stopping Standing or Parking	R7-4-DE	7
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Entering Corporate Limits	I-2-DE1	67
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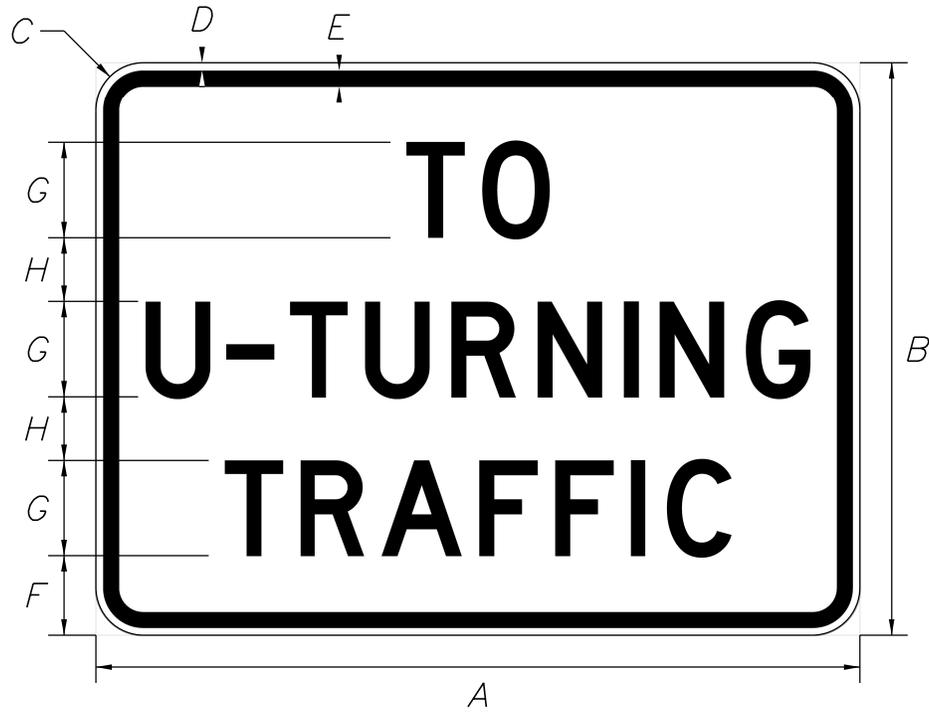
<u>Schools Signs</u>	<u>Sign Code</u>	<u>Page</u>
School Children Walk Along This Road	S3-1-DE	77
School Speed Limit XX When Children Are Present	S5-1-DE	78
School Speed Limit XX When Flashing (Overhead Use Only)	S5-3-DE	79
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Decals	-	150



To U-Turning Traffic (plaque)

R1-2aP-DE



R1-2aP-DE							
A	B	C	D	E	F	G	H
24"	18"	1.5"	0.25"	0.5"	2.5"	3"D	2"
36"	30"	2.5"	0.5"	0.75"	4"	5"D	3.5"

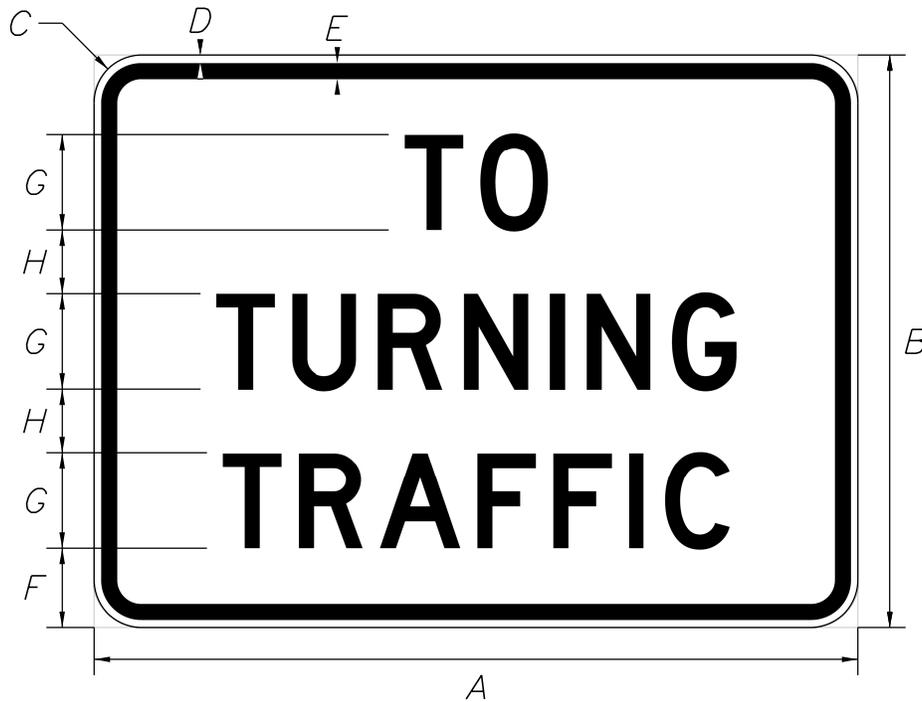
COLORS: LEGEND, BORDER -BLACK
 BACKGROUND - WHITE

MATERIAL: TYPE IV HIGH-INTENSITY



To Turning Traffic (plaque)

R1-2aP-DE1



R1-2aP-DE1							
A	B	C	D	E	F	G	H
24"	18"	1.5"	0.25"	0.5"	2.5"	3"D	2"
36"	30"	2.5"	0.5"	0.75"	4"	5"D	3.5"

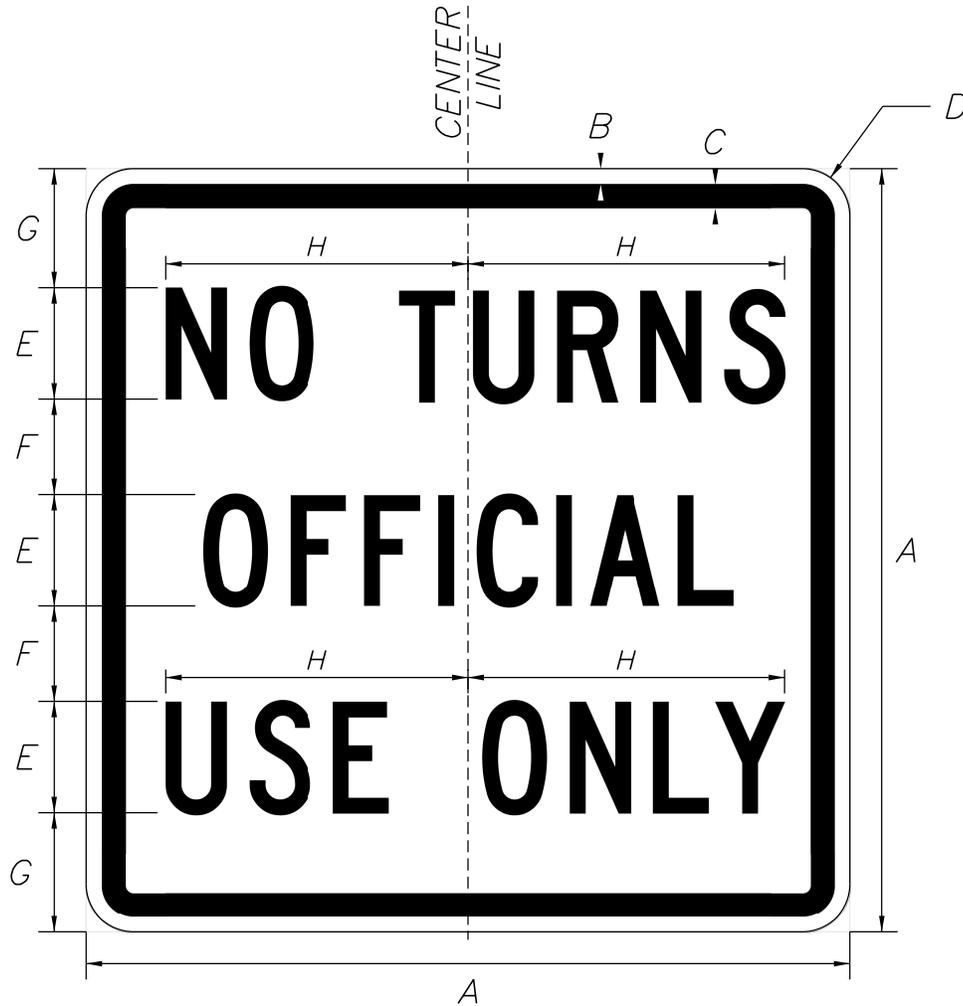
COLORS: LEGEND, BORDER -BLACK
 BACKGROUND - WHITE

MATERIAL: TYPE IV HIGH-INTENSITY



No Turns Official Use Only

R3-3-DE



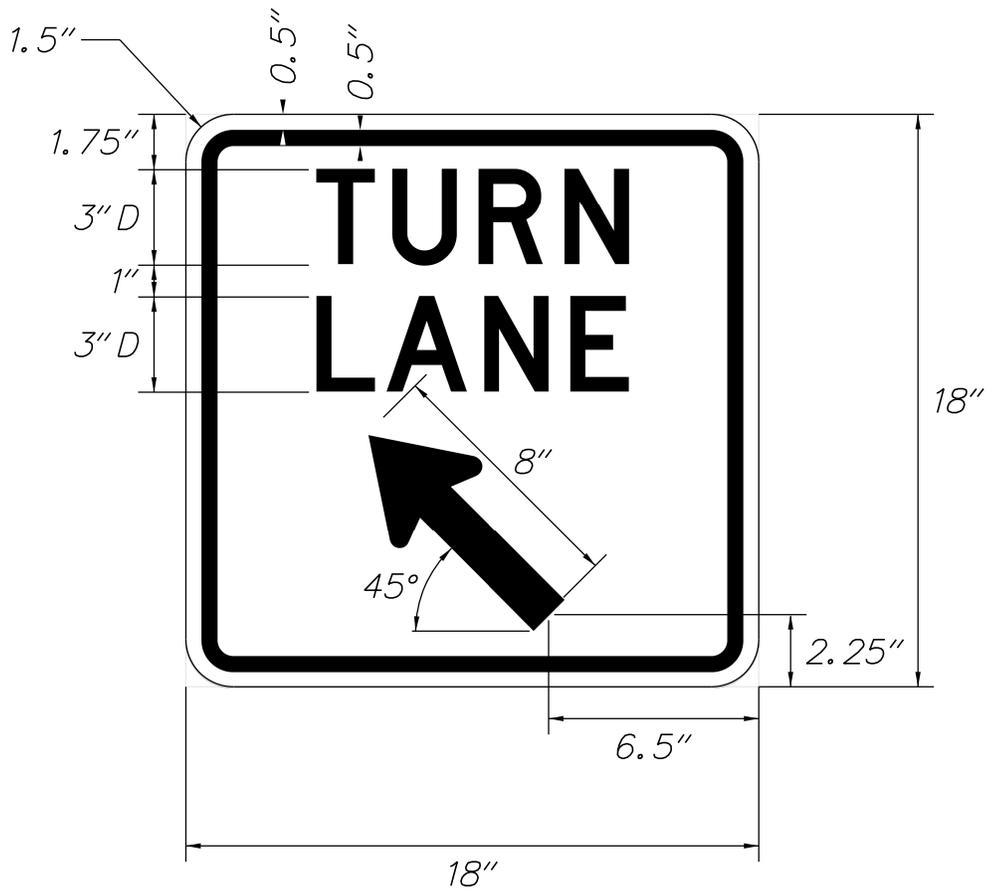
R3-3-DE							
A	B	C	D	E	F	G	H
24"	0.5"	0.75"	1.5"	3.5" ^C	3"	3.75"	9.5"
36"	0.75"	1"	2.25"	5" ^C	4.5"	6"	14.25"

COLORS: LEGEND, BORDER -BLACK
 BACKGROUND - WHITE

MATERIAL: TYPE IV HIGH-INTENSITY

Turn Lane

R3-20-DE



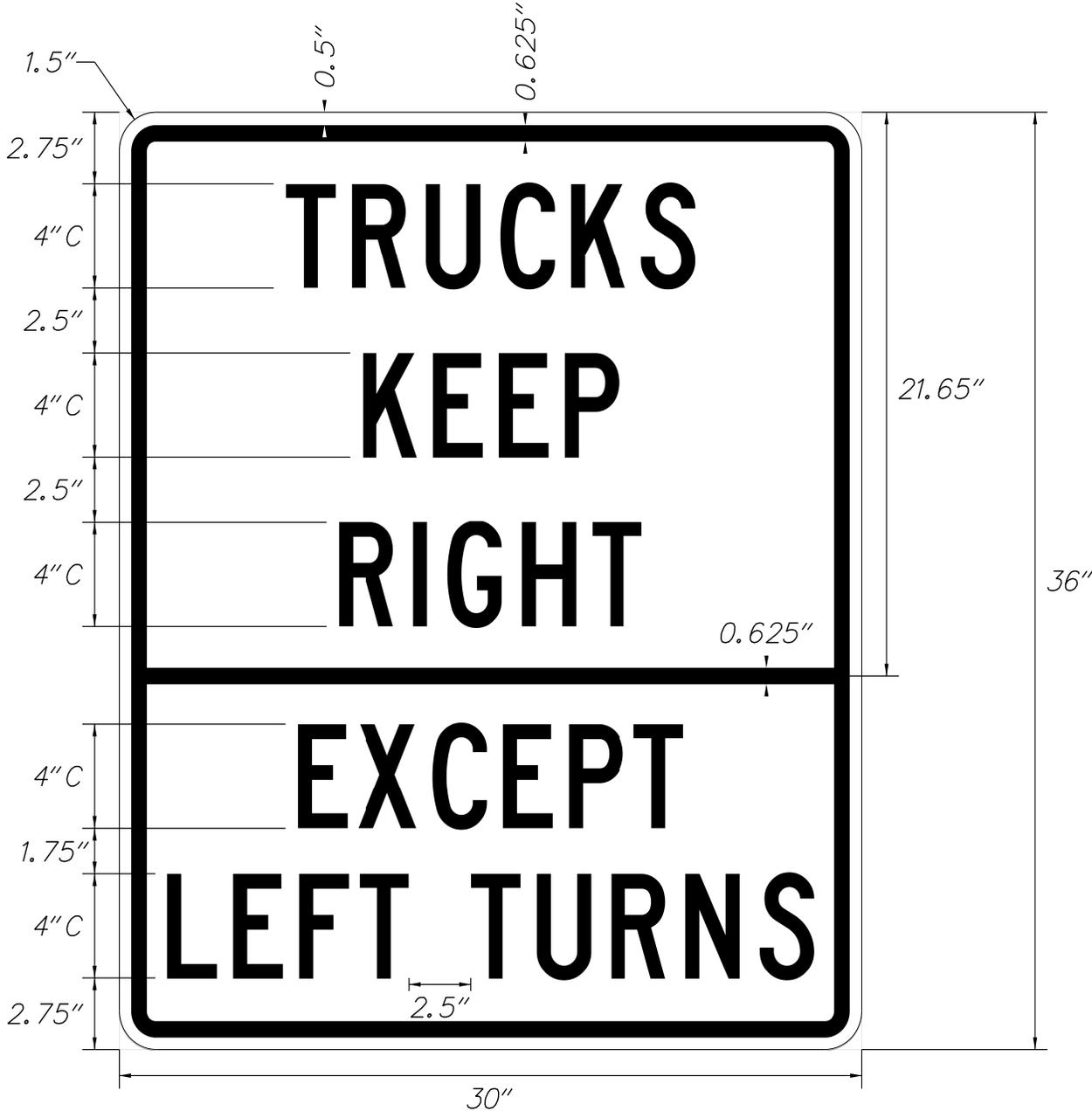
COLORS: LEGEND, BORDER -BLACK
BACKGROUND - WHITE

MATERIAL: TYPE IV HIGH-INTENSITY

Trucks Keep Right Except Left Turns



R4-3-DE



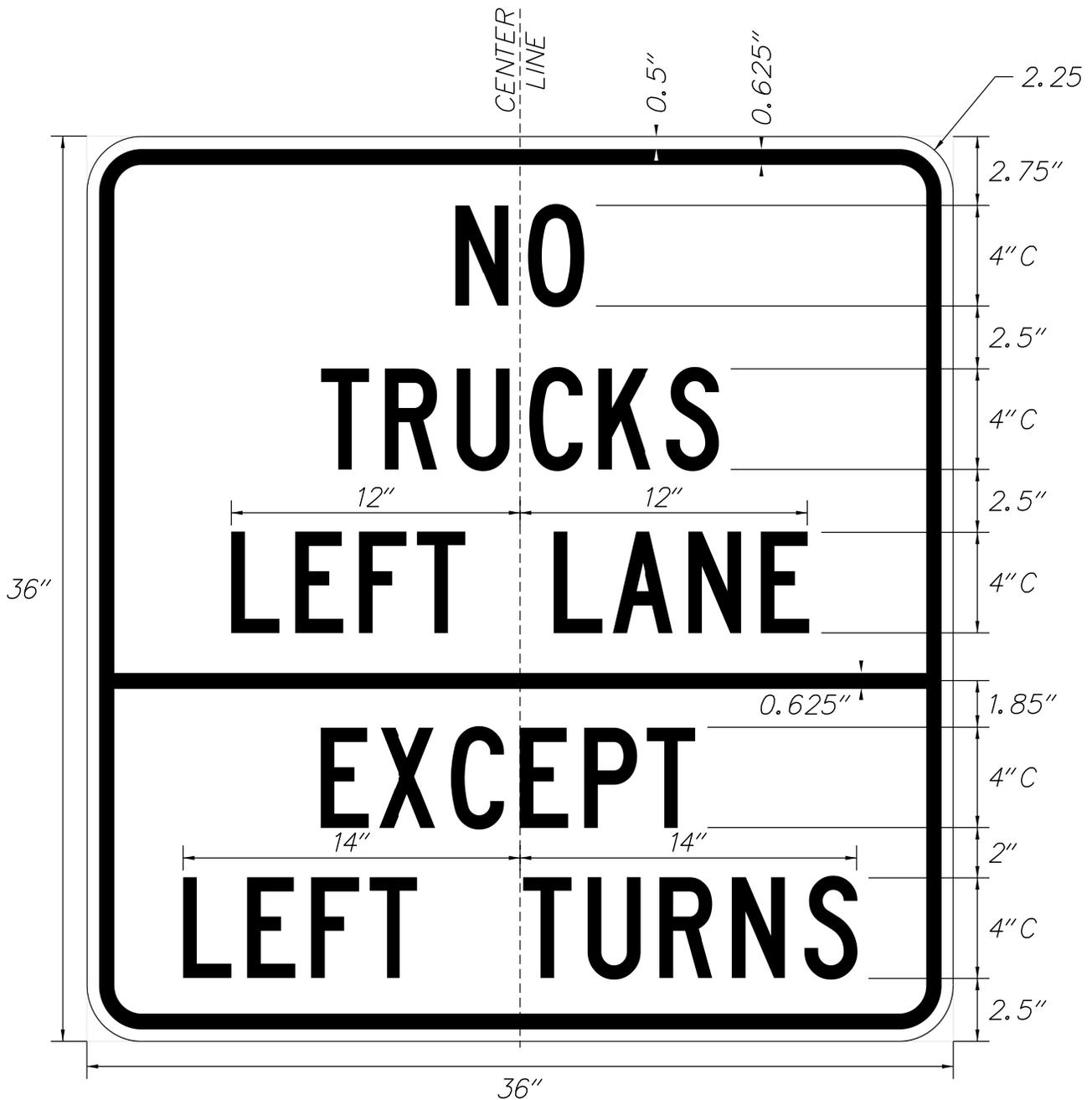
COLORS: LEGEND, BORDER -BLACK
BACKGROUND - WHITE

MATERIAL: TYPE IV HIGH-INTENSITY

No Trucks Left Lane Except Left Turns



R4-3-DE1



COLORS: LEGEND, BORDER -BLACK
BACKGROUND - WHITE

MATERIAL: TYPE IV HIGH-INTENSITY



No Stopping Standing or Parking

R7-4-DE



R7-4-DE									
A	B	C	D	E	F	G	H	J	K
12"	18"	0.25"	0.5"	1.5"	1.5"	1.5"	0.75"	3"C	2"B
18"	24"	0.5"	0.75"	1.5"	2"	1"	1"	4"D	3"B

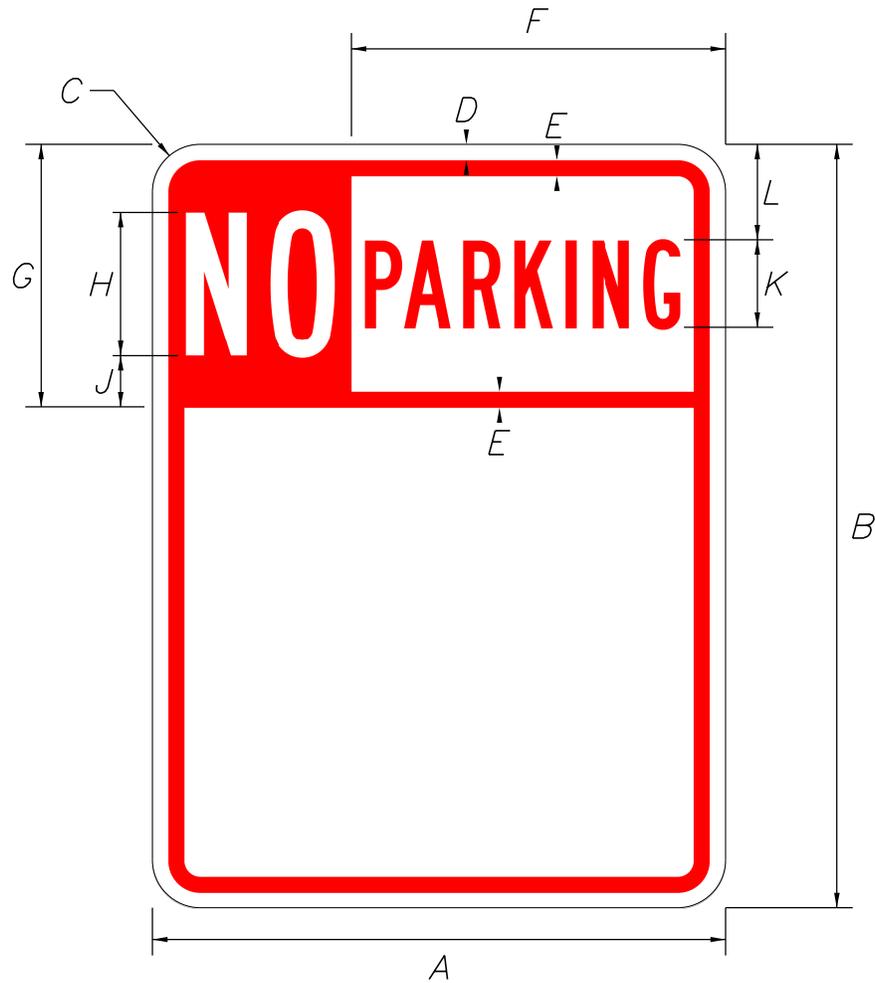
COLORS: LEGEND, BORDER - RED
 BACKGROUND - WHITE

MATERIAL: TYPE I (ENGINEERING GRADE)



No Parking

R7-107-DE



R7-107-DE										
A	B	C	D	E	F	G	H	J	K	L
12"	18"	1.5"	0.25"	0.5"	7.75"	5.5"	3"B	1"	1.75"B	2"
18"	24"	1.5"	0.5"	0.5"	11.75"	8.25"	4.5"B	1.5"	2.75"B	3"

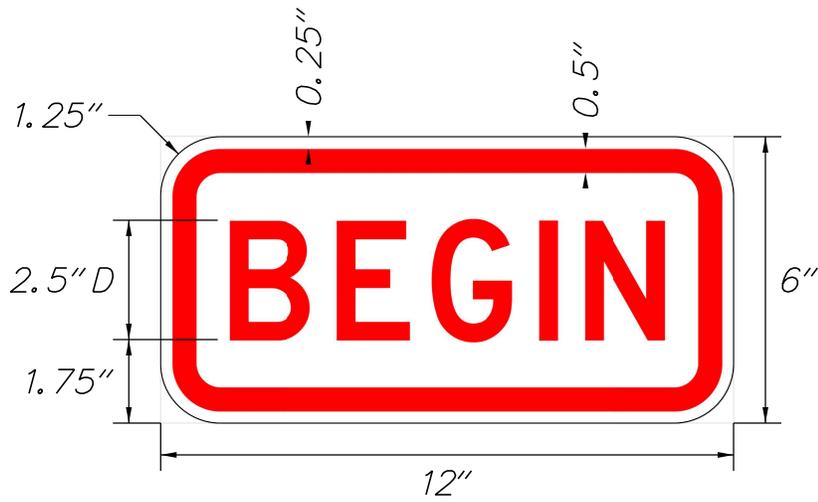
COLORS: LEGEND, BORDER - RED
BACKGROUND - WHITE

MATERIAL: TYPE I (ENGINEERING GRADE)



Begin

R7-202aP-DE

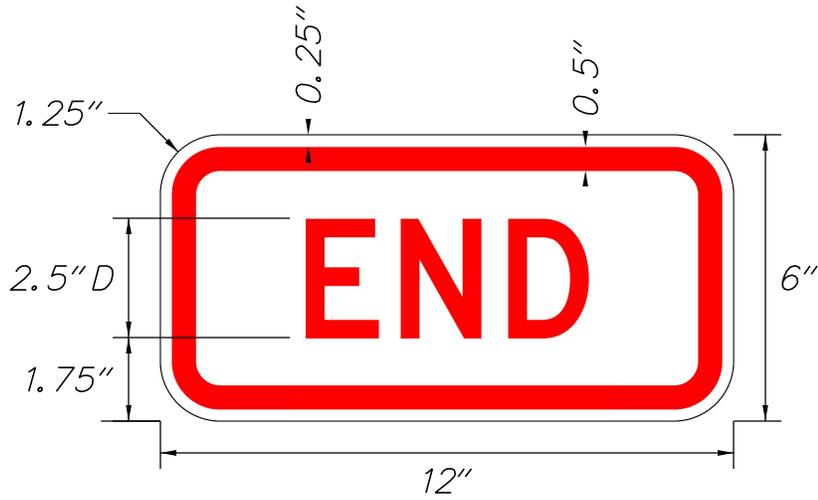


COLORS: LEGEND, BORDER - RED
BACKGROUND - WHITE

MATERIAL: TYPE I (ENGINEERING GRADE)



End
R7-202aP-DE1



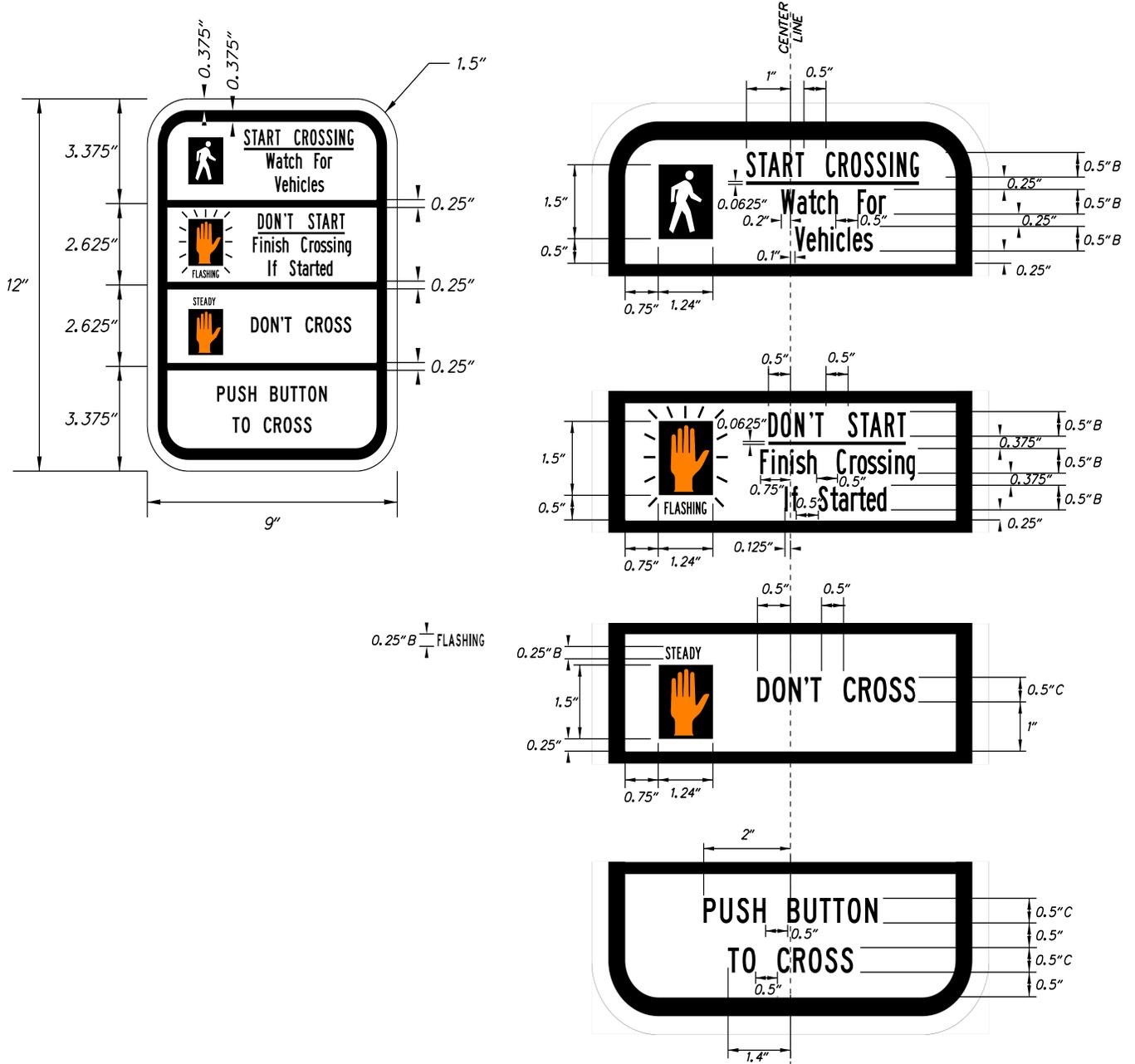
COLORS: LEGEND, BORDER - RED
BACKGROUND - WHITE

MATERIAL: TYPE I (ENGINEERING GRADE)



Pedestrian Signs and Plaques

R10-3b-DE



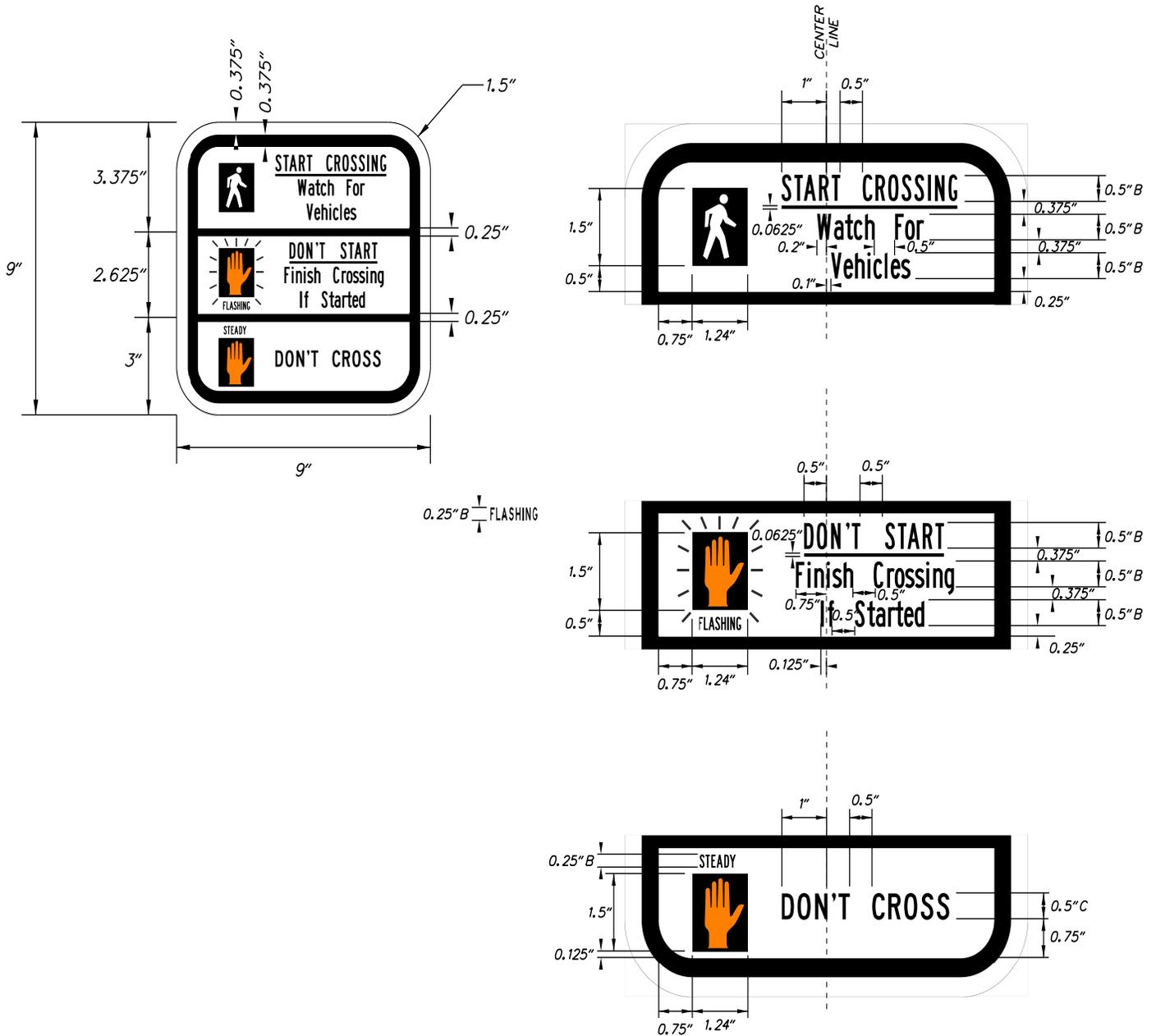
- COLORS:**
- LEGEND, BORDER - BLACK
 - BACKGROUND - WHITE
 - UPRAISED HAND SYMBOL - ORANGE ON BLACK
 - PEDESTRIAN SYMBOL - WHITE ON BLACK

MATERIAL: TYPE I (ENGINEERING GRADE)



Pedestrian Signs

R10-3b-DE1



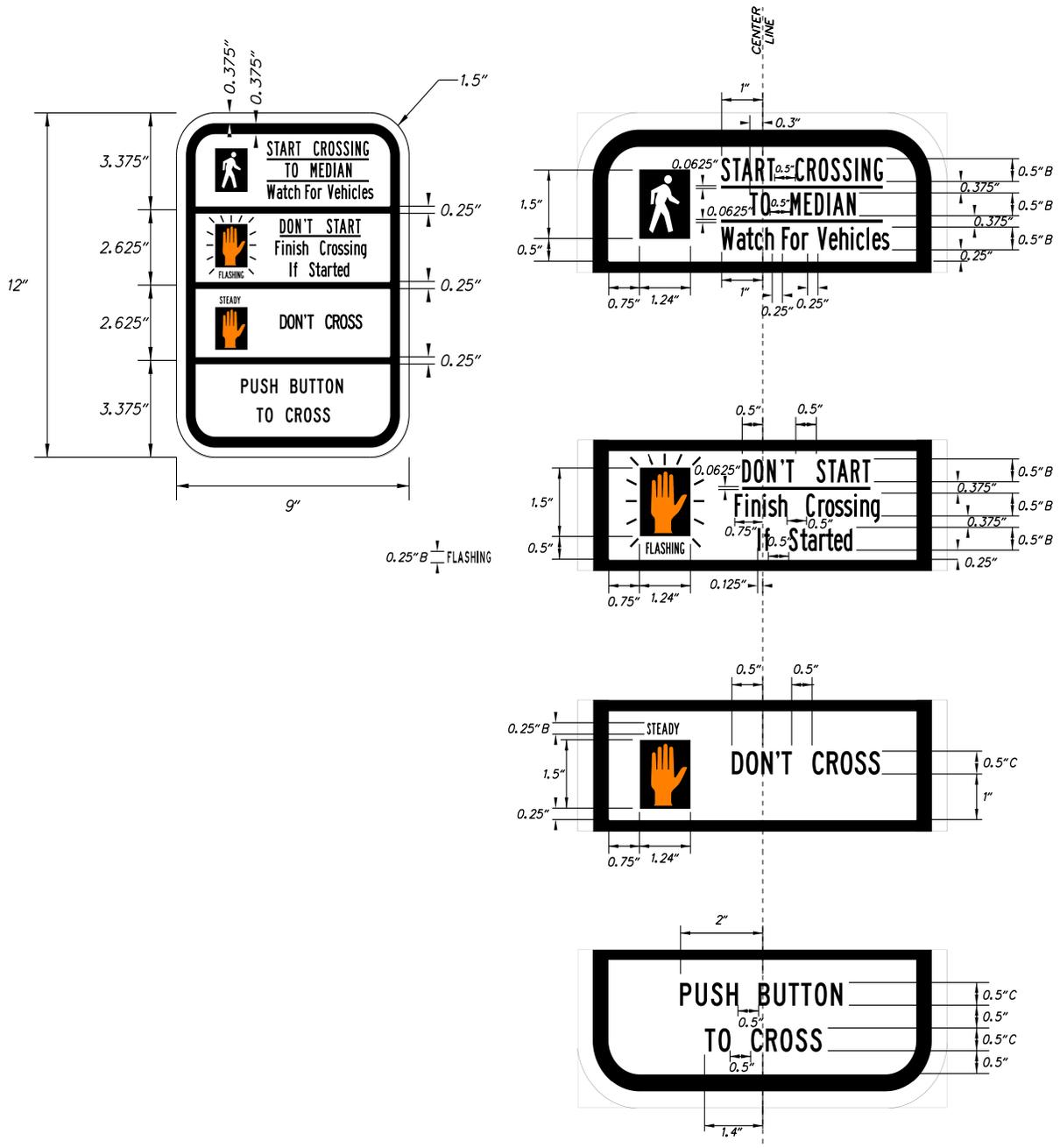
- COLORS:**
- | | |
|----------------------|-------------------|
| LEGEND, BORDER | - BLACK |
| BACKGROUND | - WHITE |
| UPRAISED HAND SYMBOL | - ORANGE ON BLACK |
| PEDESTRIAN SYMBOL | - WHITE ON BLACK |

MATERIAL: TYPE I (ENGINEERING GRADE)



Pedestrian Signs and Plaques

R10-3d-DE



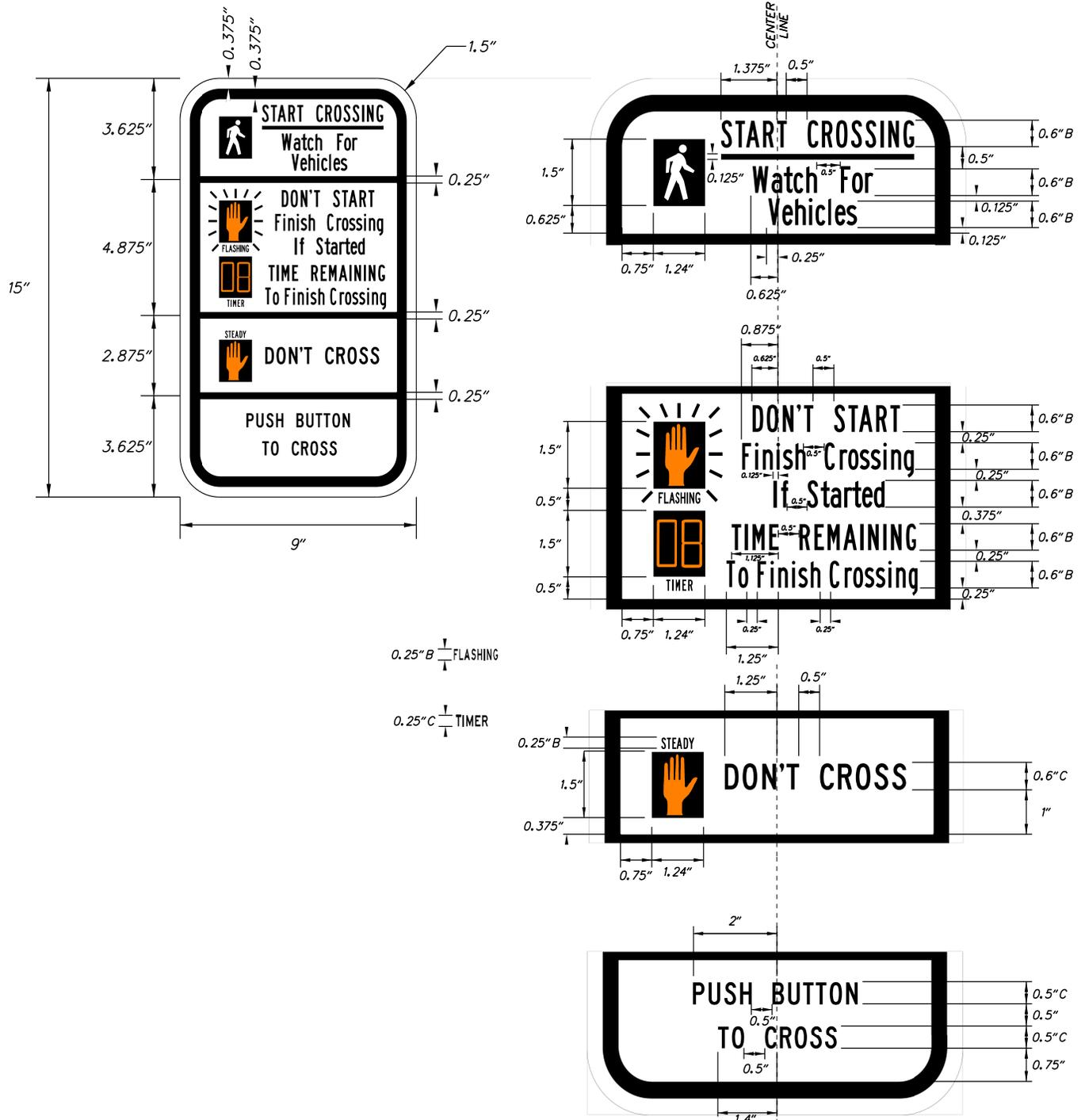
- COLORS:**
- | | |
|----------------------|-------------------|
| LEGEND, BORDER | - BLACK |
| BACKGROUND | - WHITE |
| UPRAISED HAND SYMBOL | - ORANGE ON BLACK |
| PEDESTRIAN SYMBOL | - WHITE ON BLACK |

MATERIAL: TYPE I (ENGINEERING GRADE)



Pedestrian Signs

R10-3e-DE



COLORS: LEGEND, BORDER
 BACKGROUND
 UPRAISED HAND SYMBOL
 PEDESTRIAN SYMBOL

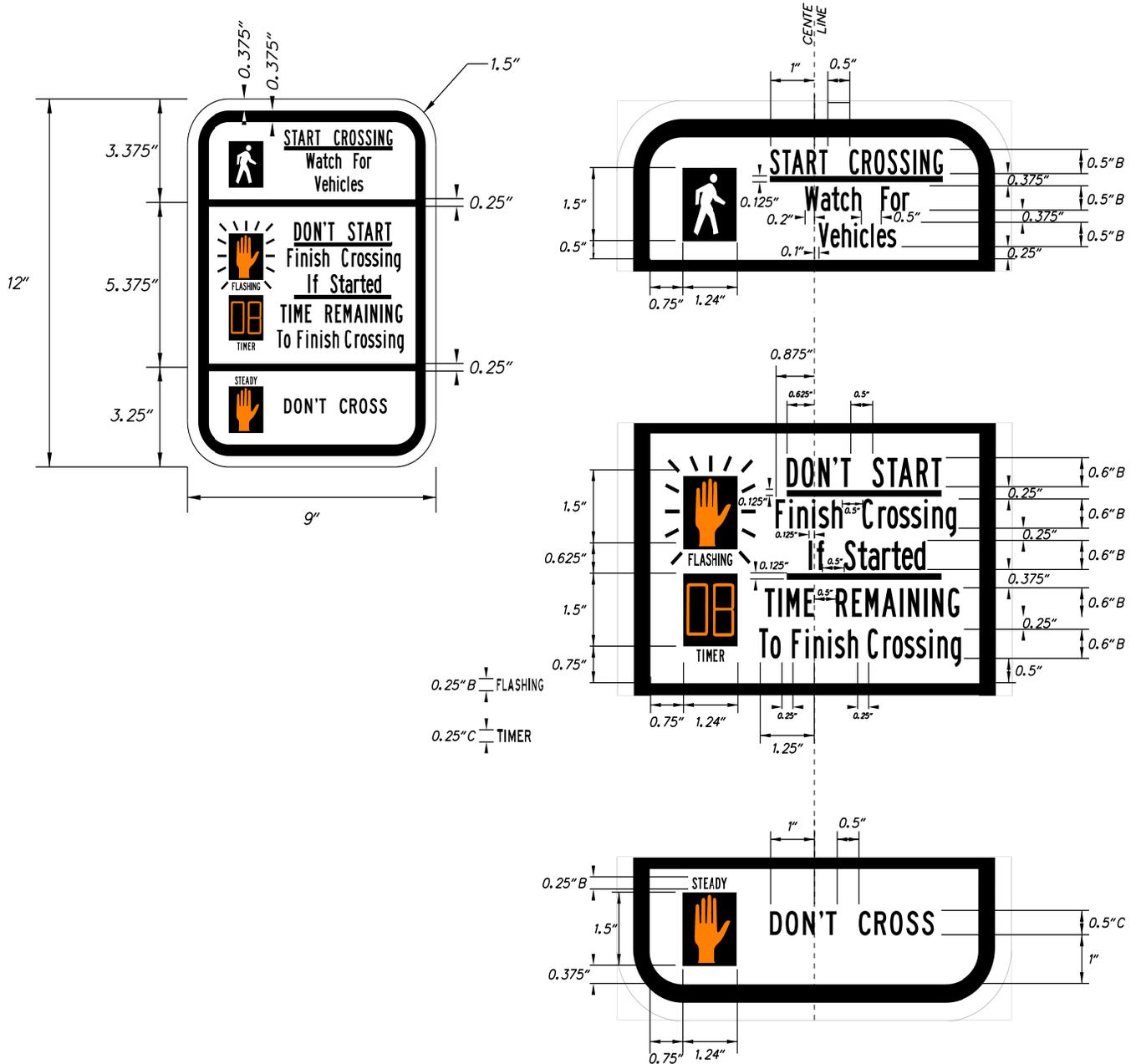
- BLACK
 - WHITE
 - ORANGE ON BLACK
 - WHITE ON BLACK

MATERIAL: TYPE I (ENGINEERING GRADE)



Pedestrian Signs and Plaques

R10-3e-DE1



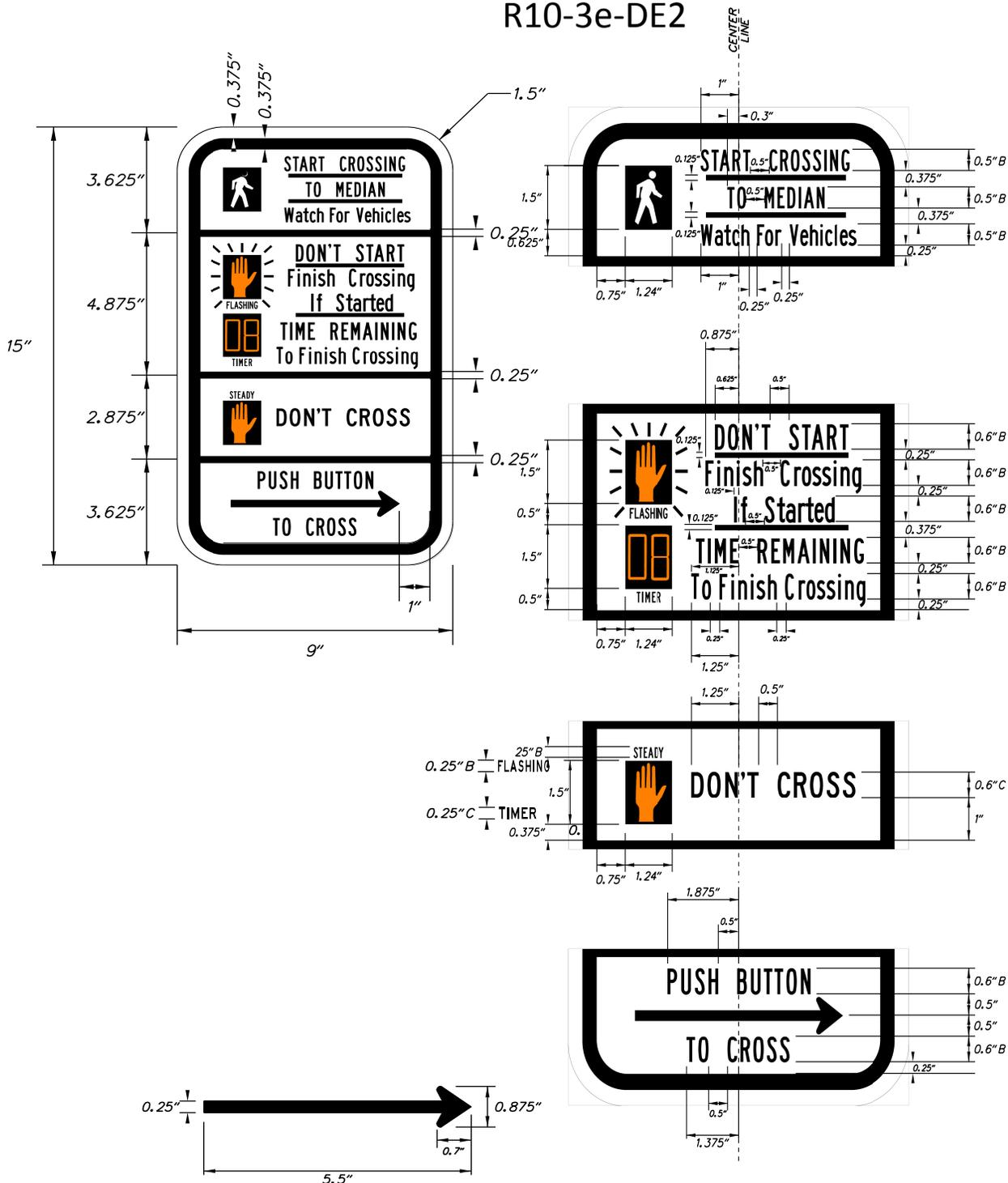
COLORS: LEGEND, BORDER - BLACK
 BACKGROUND - WHITE
 UPRAISED HAND SYMBOL - ORANGE ON BLACK
 PEDESTRIAN SYMBOL - WHITE ON BLACK

MATERIAL: TYPE I (ENGINEERING GRADE)



Pedestrian Signs and Plaques

R10-3e-DE2



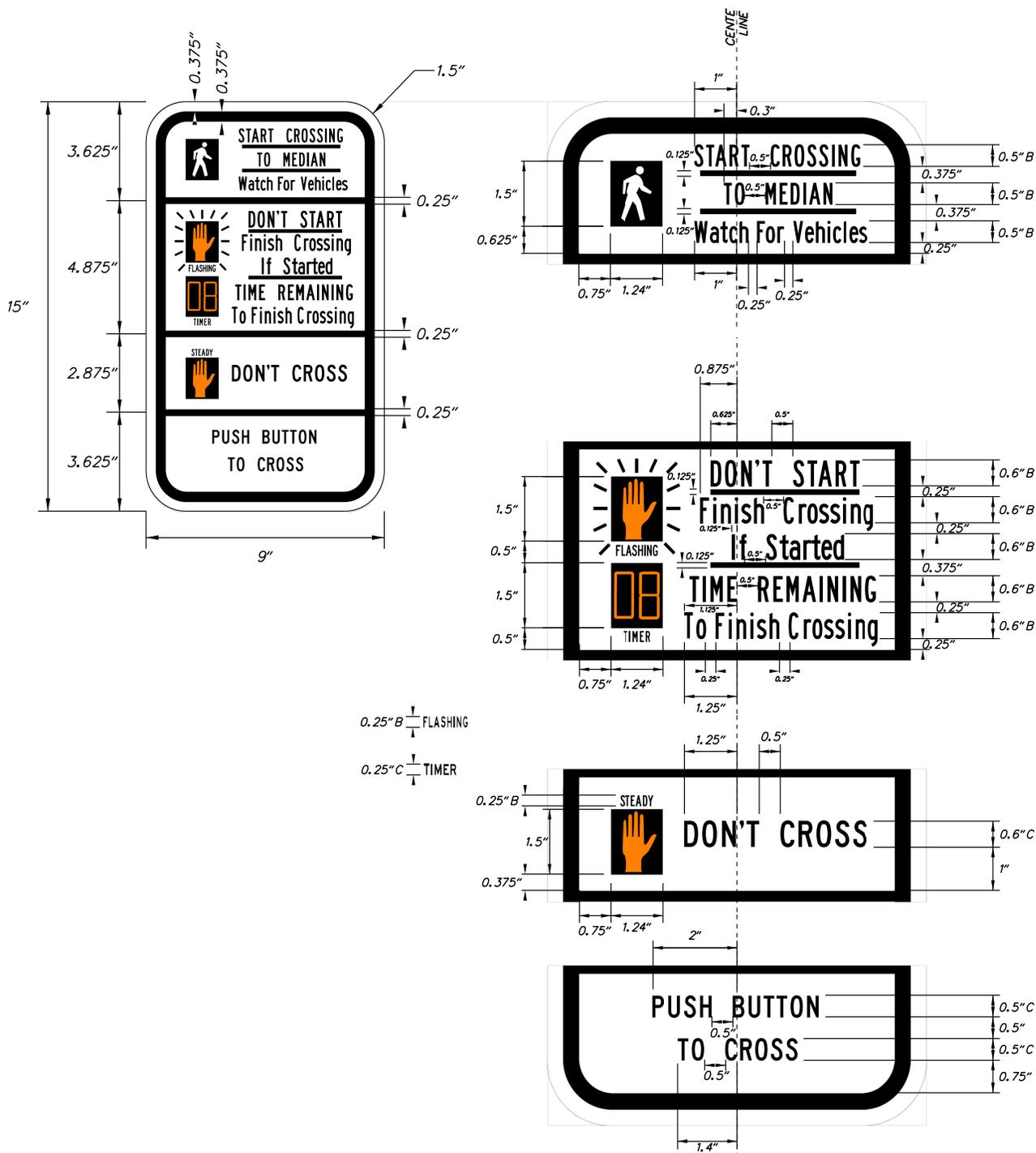
COLORS: LEGEND, BORDER - BLACK
 BACKGROUND - WHITE
 UPRAISED HAND SYMBOL - ORANGE ON BLACK
 PEDESTRIAN SYMBOL - WHITE ON BLACK

MATERIAL: TYPE I (ENGINEERING GRADE)



Pedestrian Signs

R10-3e-DE3



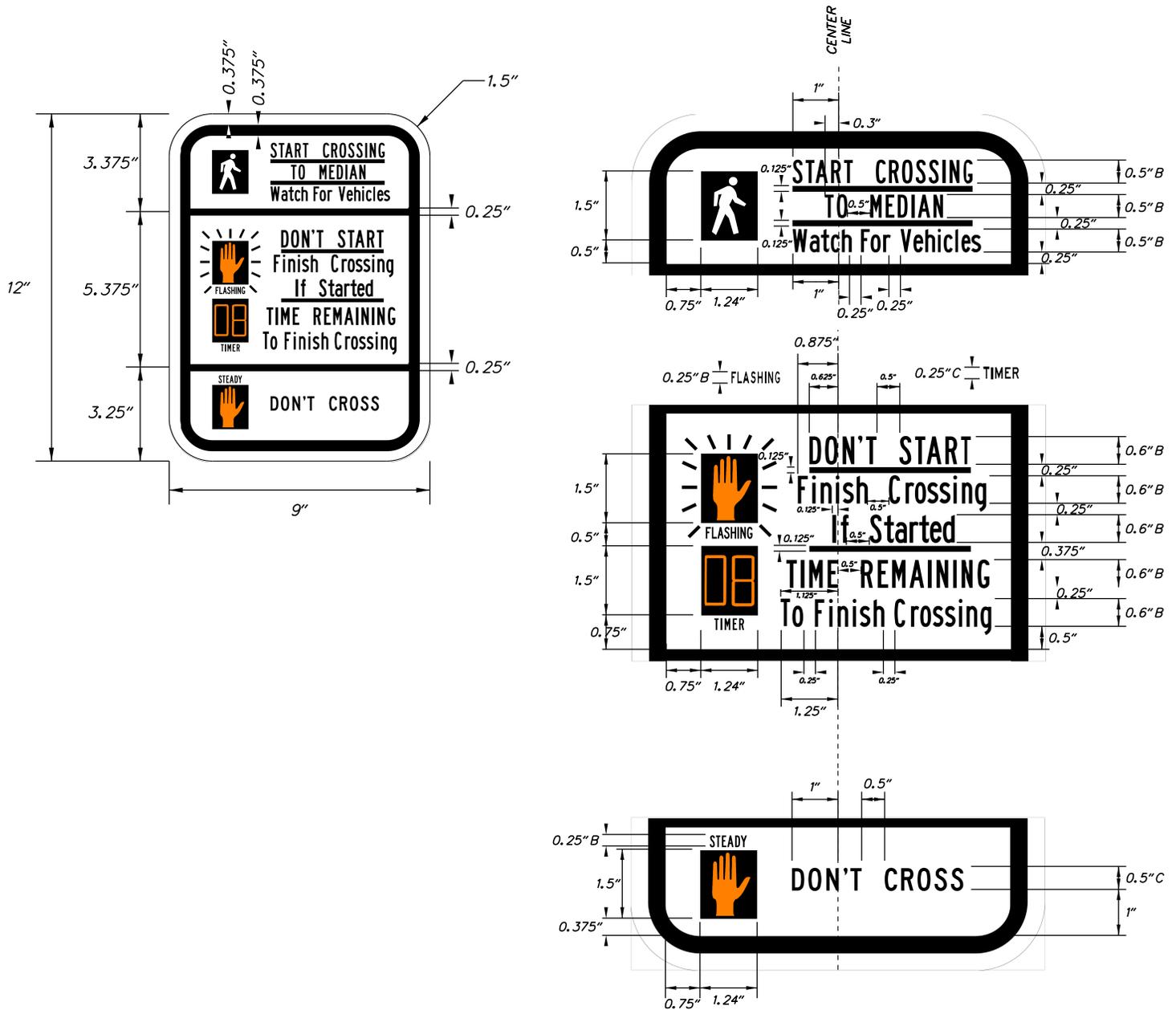
- COLORS:**
- LEGEND, BORDER - BLACK
 - BACKGROUND - WHITE
 - UPRAISED HAND SYMBOL - ORANGE ON BLACK
 - PEDESTRIAN SYMBOL - WHITE ON BLACK

MATERIAL: TYPE I (ENGINEERING GRADE)



Pedestrian Signs and Plaques

R10-3e-DE4



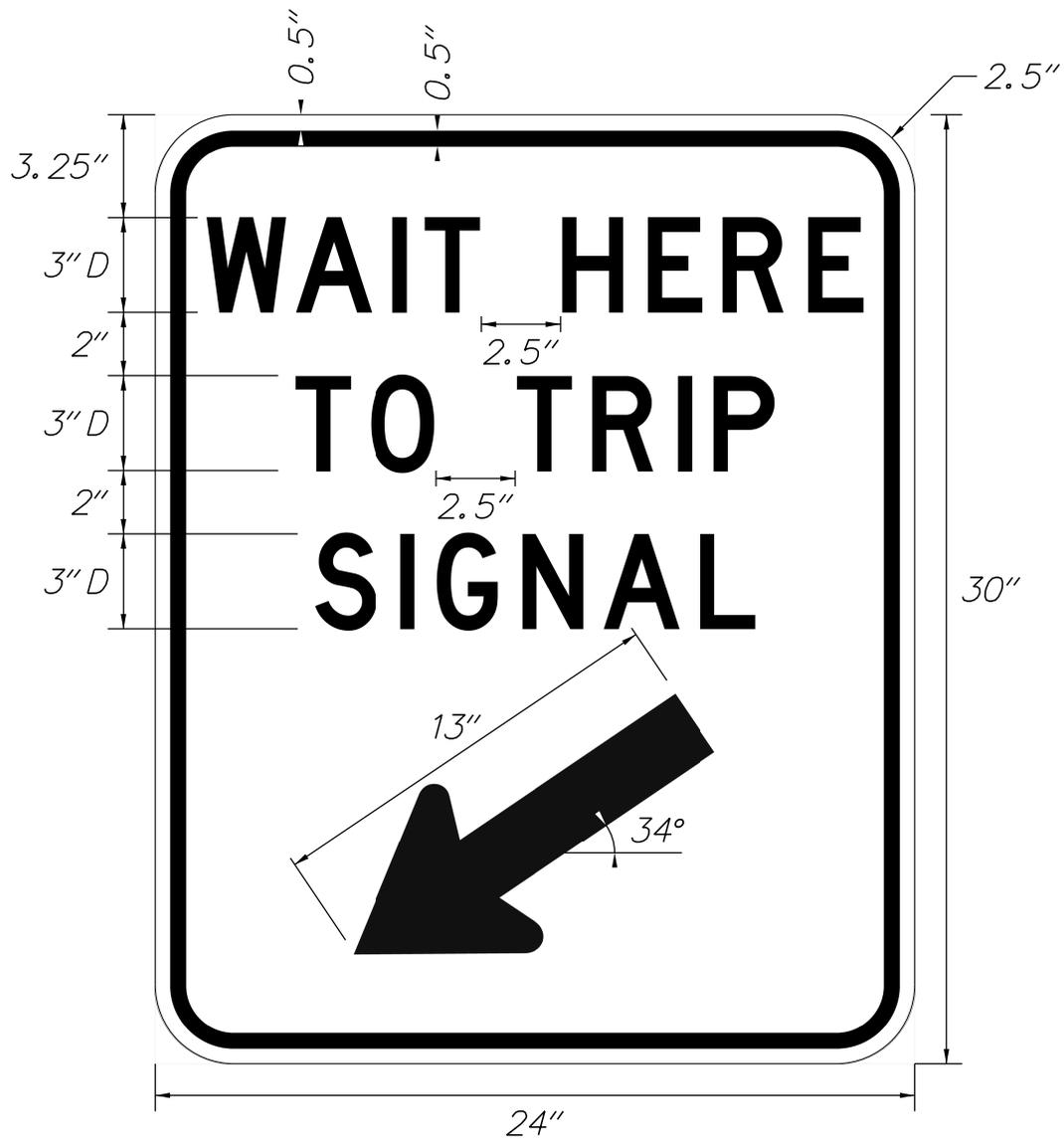
- COLORS:**
- LEGEND, BORDER - BLACK
 - BACKGROUND - WHITE
 - UPRAISED HAND SYMBOL - ORANGE ON BLACK
 - PEDESTRIAN SYMBOL - WHITE ON BLACK

MATERIAL: TYPE I (ENGINEERING GRADE)



Wait Here to Trip Signal

R10-6-DE



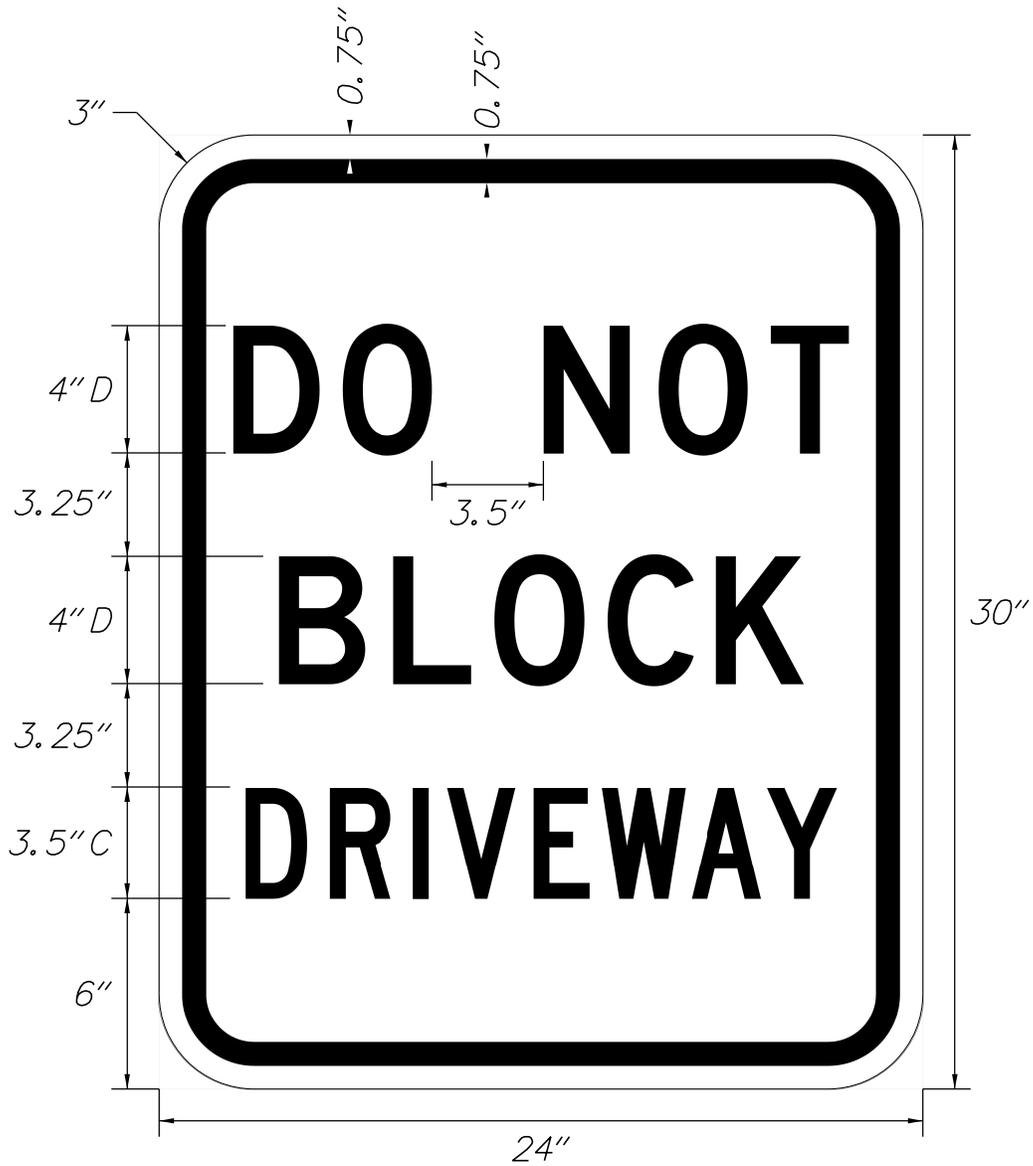
COLORS: LEGEND, BORDER - BLACK
BACKGROUND - WHITE

MATERIAL: TYPE IV HIGH-INTENSITY



Do Not Block Driveway

R10-7-DE



COLORS: LEGEND, BORDER - BLACK
BACKGROUND - WHITE

MATERIAL: TYPE IV HIGH-INTENSITY



No Turn On Red Arrow

R10-11-DE



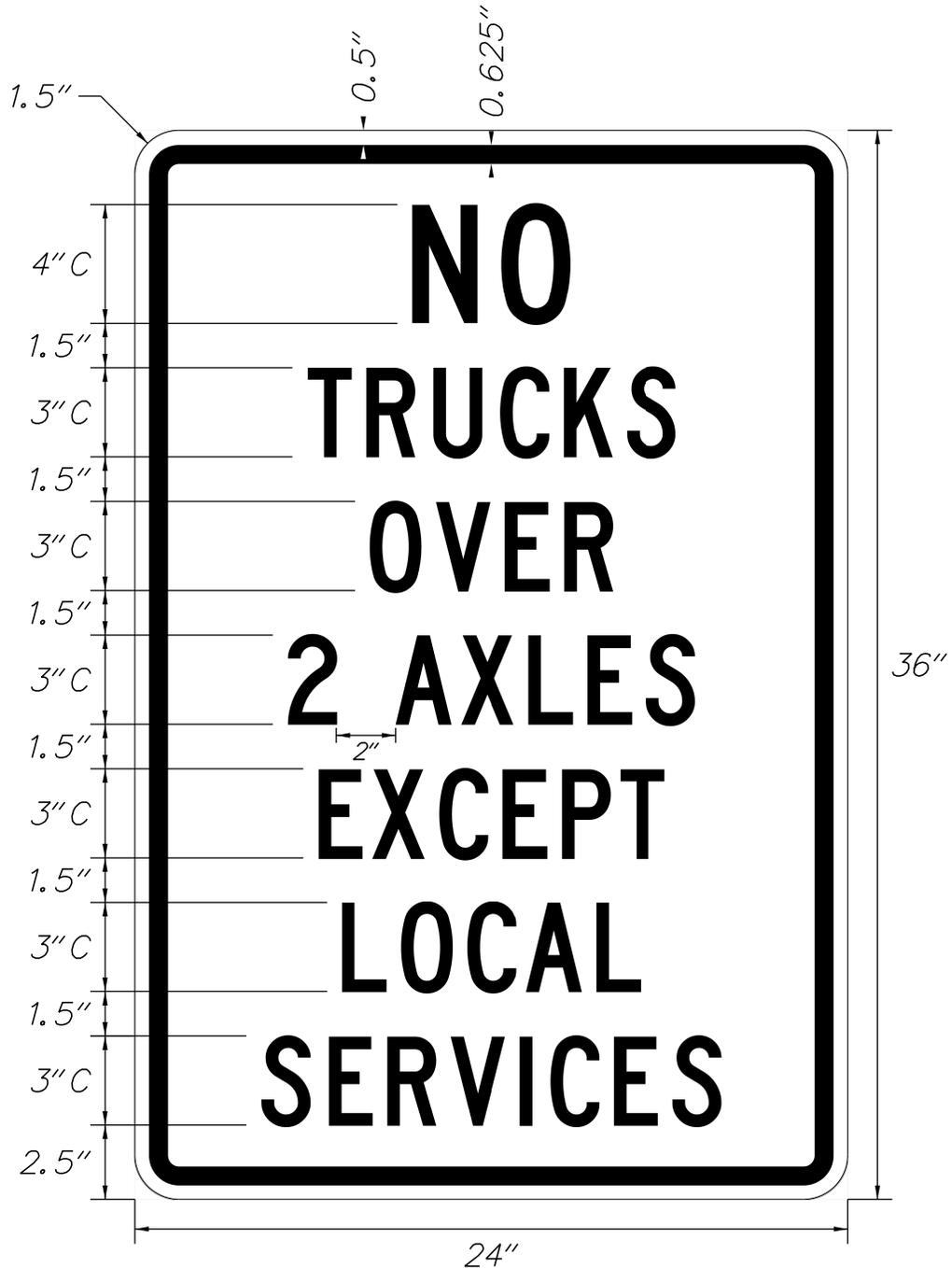
R10-11-DE									
A	B	C	D	E	F	G	H	J	K
24"	30"	1.5"	0.375"	0.625"	5"D	2"	4"D	4.25"	4"
30"	36"	1.5"	0.5"	0.75"	6"D	2.625"	4.5"D	5.25"	4.375"
36"	48"	3"	0.75"	1.25"	8"D	3.5"	6"D	6.75"	5.75"

COLORS: LEGEND, BORDER - BLACK
 BACKGROUND - WHITE

MATERIAL: TYPE IV HIGH-INTENSITY

Weight Limit

R12-3-DE



COLORS: LEGEND, BORDER - BLACK
BACKGROUND - WHITE

MATERIAL: TYPE IV HIGH-INTENSITY

Weight Limit (Truck Symbol)



R12-3-DE1



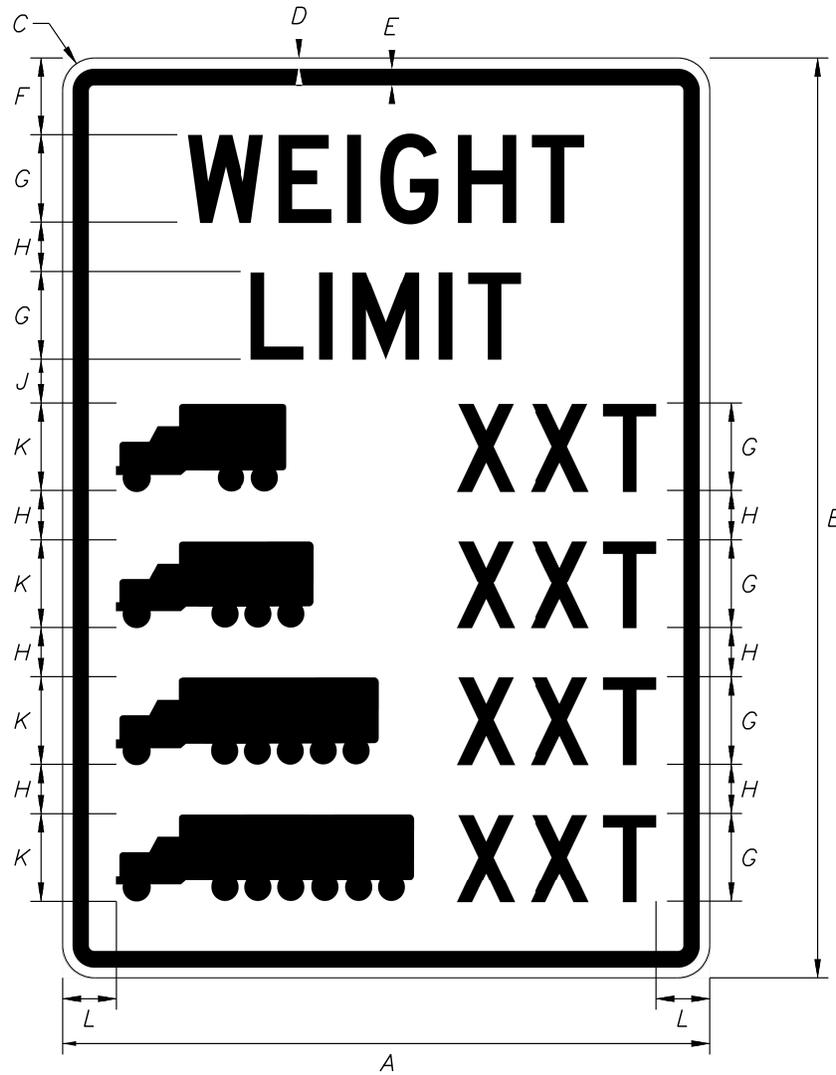
COLORS: LEGEND, BORDER - BLACK, RED
BACKGROUND - WHITE

MATERIAL: TYPE IV HIGH-INTENSITY

Weight Limit (Truck Symbols)



R12-5-DE



R12-5-DE										
A	B	C	D	E	F	G	H	J	K	L
30"	VAR.	1.5"	0.5"	0.75"	3.5"	4"D	2.25"	2"	4"	2.5"
36"	VAR.	1.75"	0.75"	0.75"	4"	5"D	2.75"	2.5"	5"	3"
48"	VAR.	2.5"	0.75"	1.25"	5.5"	6.5"D	3.5"	3.25"	6.5"	4"

COLORS: LEGEND, BORDER - BLACK
BACKGROUND - WHITE

MATERIAL: TYPE IV HIGH-INTENSITY

No Dumping

SR1-11-DE



COLORS: LEGEND, BORDER - BLACK
BACKGROUND - WHITE

MATERIAL: TYPE IV HIGH-INTENSITY

No Littering

SR1-12-DE



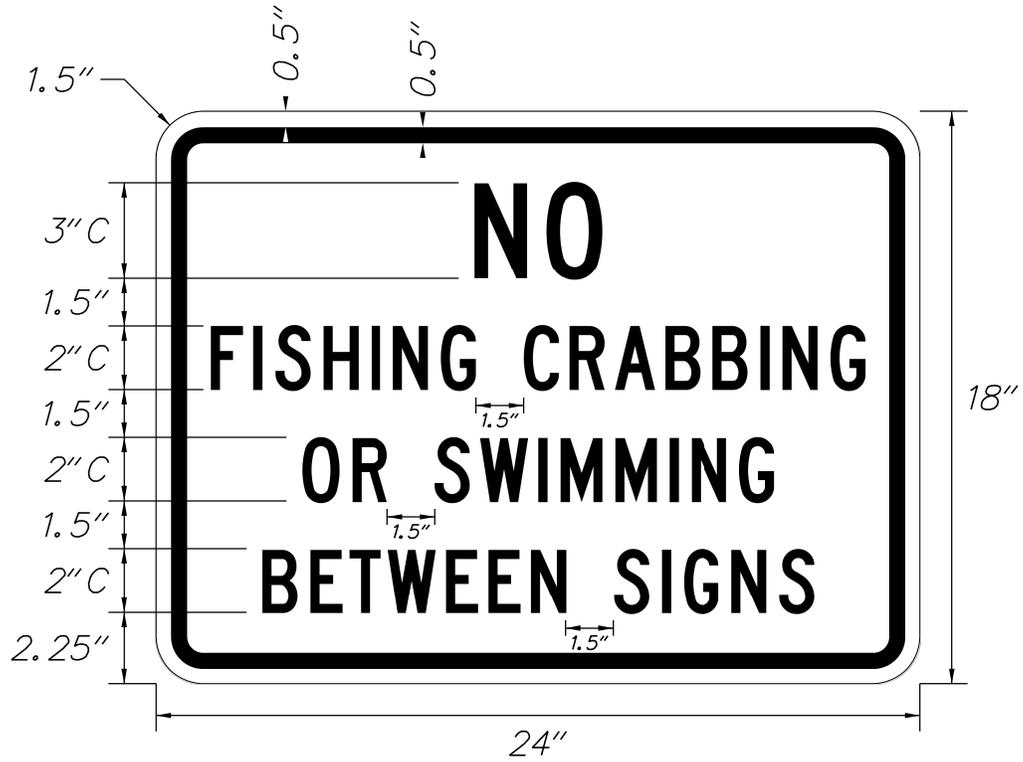
COLORS: LEGEND, BORDER - BLACK
BACKGROUND - WHITE

MATERIAL: TYPE IV HIGH-INTENSITY



No Fishing Crabbing or Swimming

SR1-14-DE

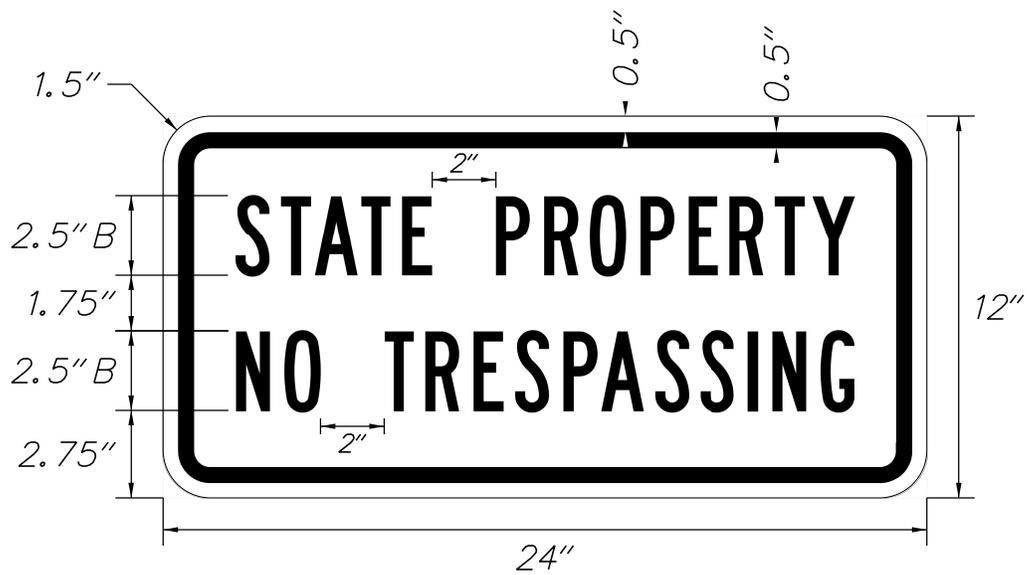


COLORS: LEGEND, BORDER - BLACK
BACKGROUND - WHITE

MATERIAL: TYPE IV HIGH-INTENSITY

State Property

SR1-15-DE



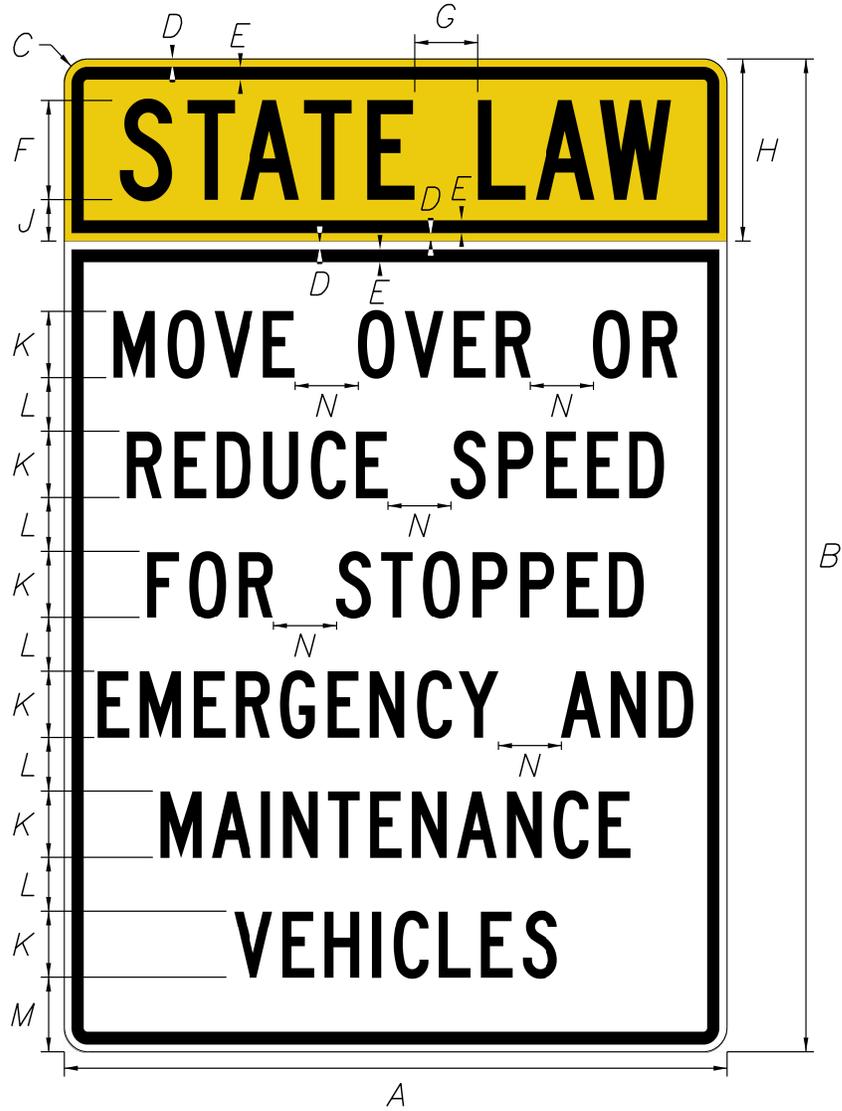
COLORS: LEGEND, BORDER - BLACK
BACKGROUND - WHITE

MATERIAL: TYPE IV HIGH-INTENSITY



Move Over or Reduce Speed

SR1-18-DE



SR1-18-DE												
A	B	C	D	E	F	G	H	J	K	L	M	N
42"	60"	1.5"	0.5"	0.75"	6"C	4"	11"	2.5"	4"C	3.25"	4.5"	4"
60"	84"	2"	0.75"	1"	8"C	8"	15.75"	3.75"	6"B	4"	6.25"	6"

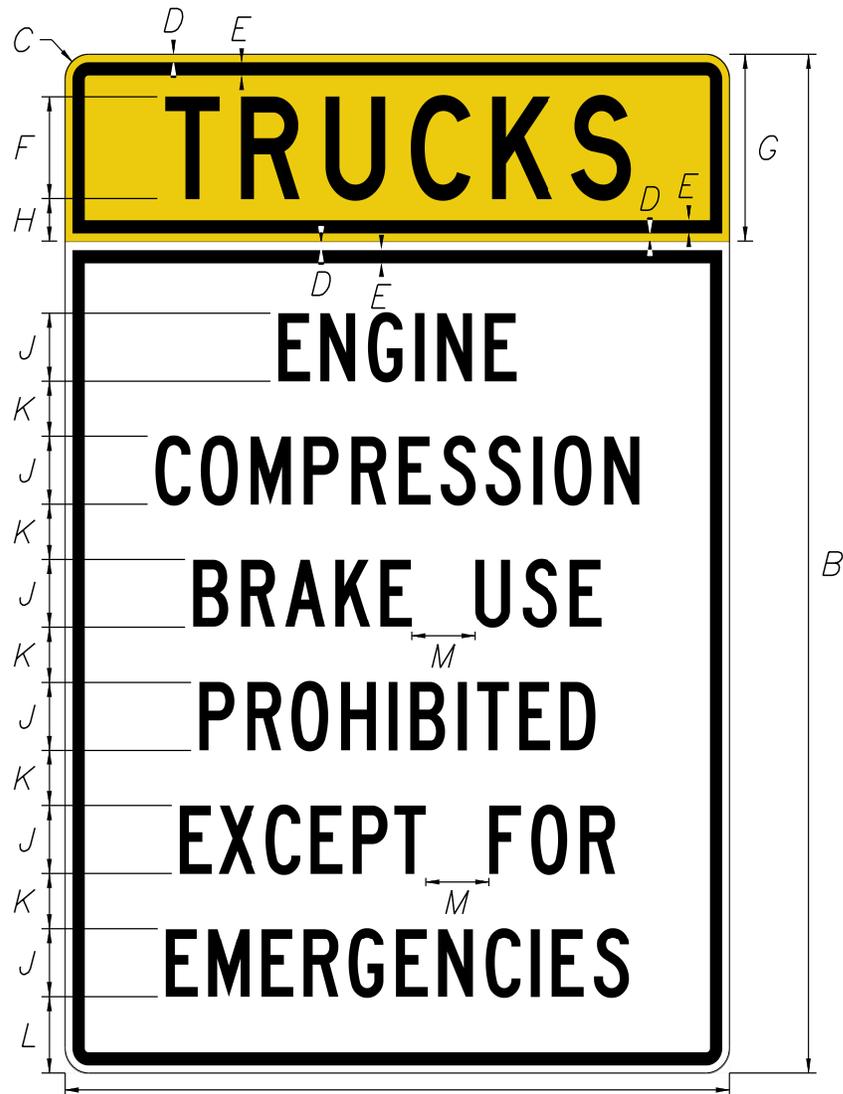
COLORS: LEGEND, BORDER - BLACK
 BACKGROUND UPPER SECTION - YELLOW
 BACKGROUND LOWER SECTION - WHITE

MATERIAL: TYPE IV HIGH-INTENSITY



Engine Compression Brake Prohibition

SR1-19-DE



SR1-19-DE											
A	B	C	D	E	F	G	H	J	K	L	M
42"	60"	1.5"	0.5"	0.75"	6"D	11"	2.5"	4"C	3.25"	4.5"	4"
60"	84"	2"	0.75"	1"	8"D	15.75"	3.75"	6"C	4"	6.25"	6"

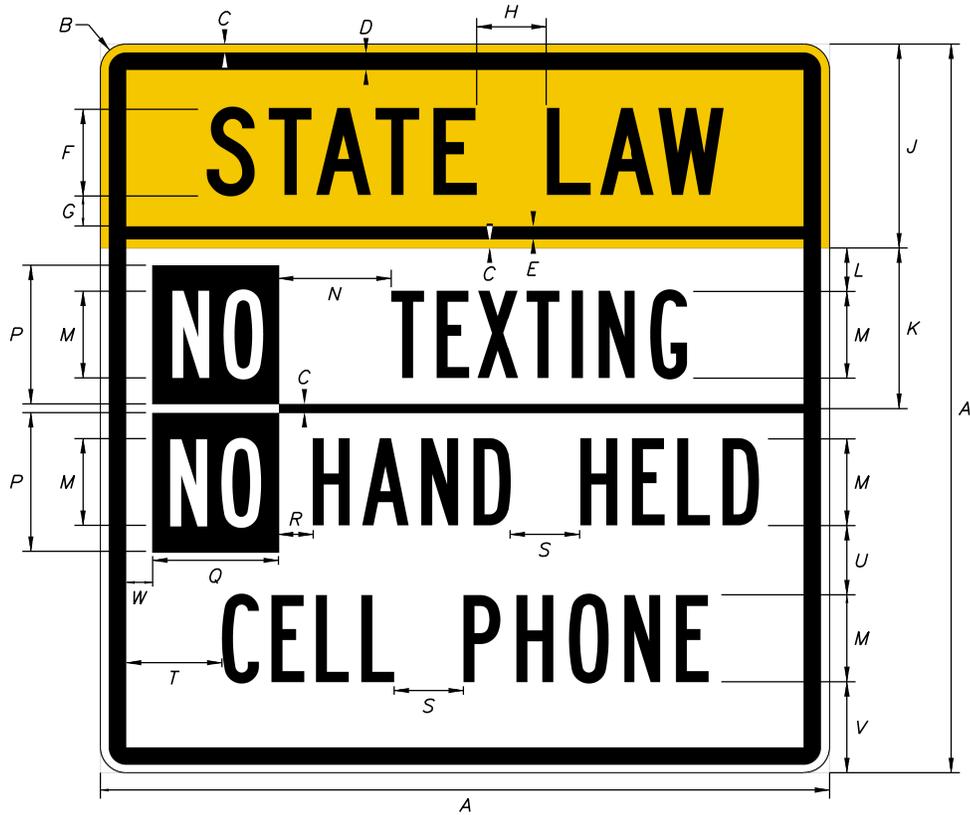
COLORS: LEGEND, BORDER - BLACK
 BACKGROUND UPPER SECTION - YELLOW
 BACKGROUND LOWER SECTION - WHITE

MATERIAL: TYPE IV HIGH-INTENSITY



No Texting and Hand Held Cell Phone

SR1-20-DE



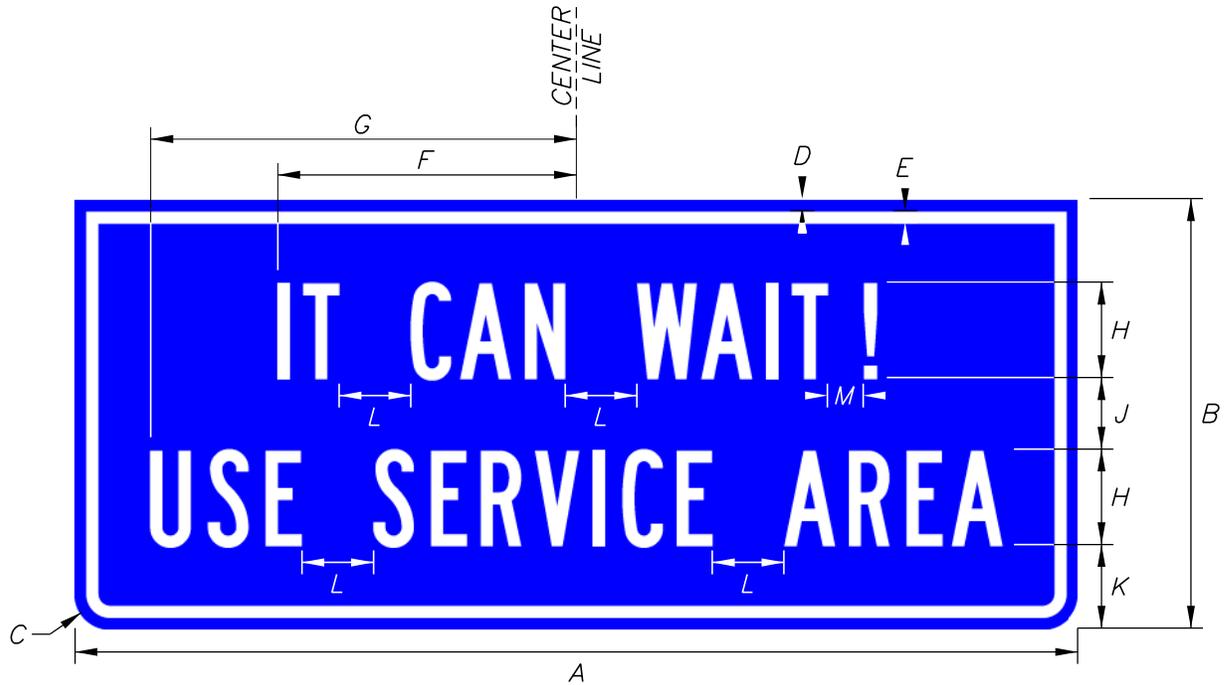
SR1-20-DE										
A	B	C	D	E	F	G	H	J	K	L
42"	1.5"	0.5"	1"	0.75"	5"C	1.75"	4"	11.75"	9.25"	2.5"
60"	2.125"	0.75"	1.5"	1.25"	7"C	2.5"	7"	17"	12.5"	2.75"
M	N	P	Q	R	S	T	U	V	W	
5"B	6.5"	8"	7.25"	2"	4"	5.5"	4"	5.25"	1.5"	
7"B	8.5"	11.25"	10.5"	2.25"	7"	7.75"	6"	7.5"	2.125"	

COLORS: LEGEND, BORDER - BLACK
 BACKGROUND UPPER SECTION - YELLOW
 BACKGROUND LOWER SECTION - WHITE

MATERIAL: TYPE IV HIGH-INTENSITY



It Can Wait! Use Service
Area (Plaque)
SR1-20P-DE



SR1-20P-DE											
A	B	C	D	E	F	G	H	J	K	L	M
42"	60"	1.5"	0.5"	0.5"	12.5"	17.825"	4" B	3"	3.5"	3"	1.5"
60"	24"	2"	0.75"	0.75"	18.125"	26.25"	6"B	4"	4"	4"	2"

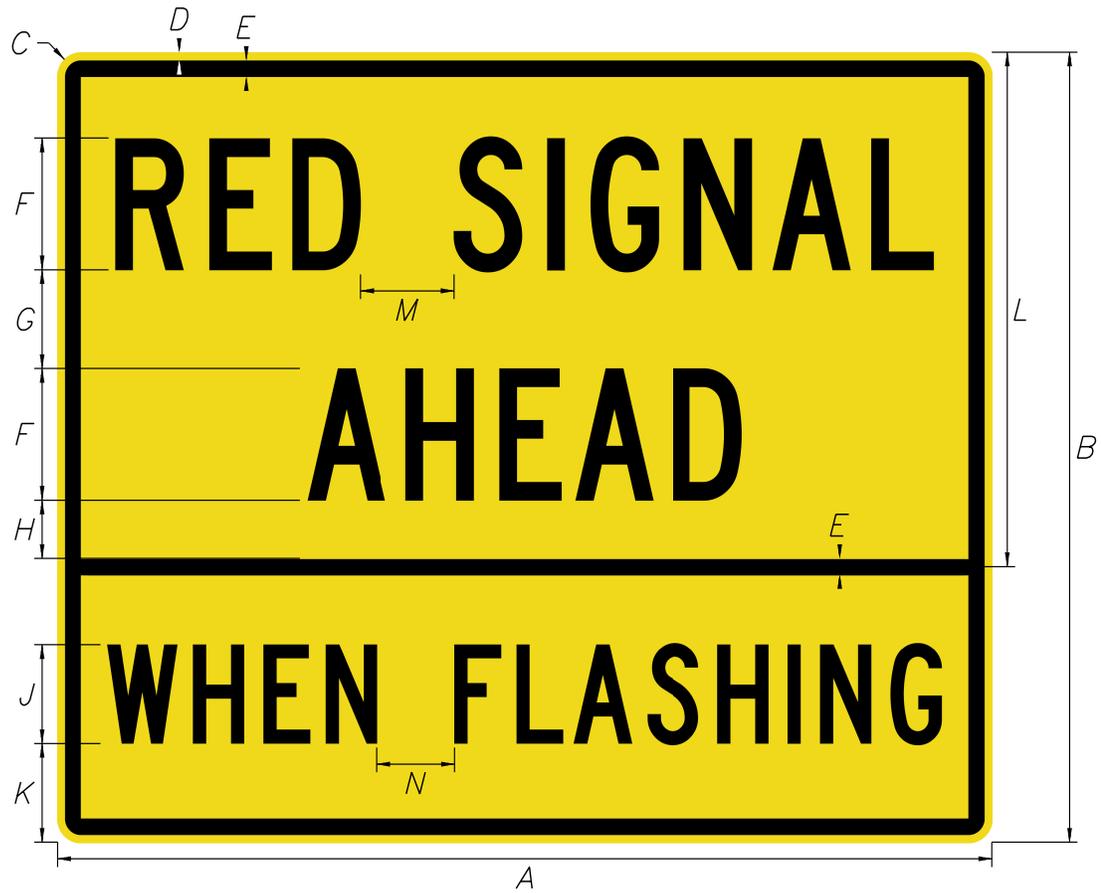
COLORS: LEGEND, BORDER - WHITE
BACKGROUND - BLUE

MATERIAL: TYPE IV HIGH-INTENSITY



Red Signal Ahead When Flashing

W3-3-DE



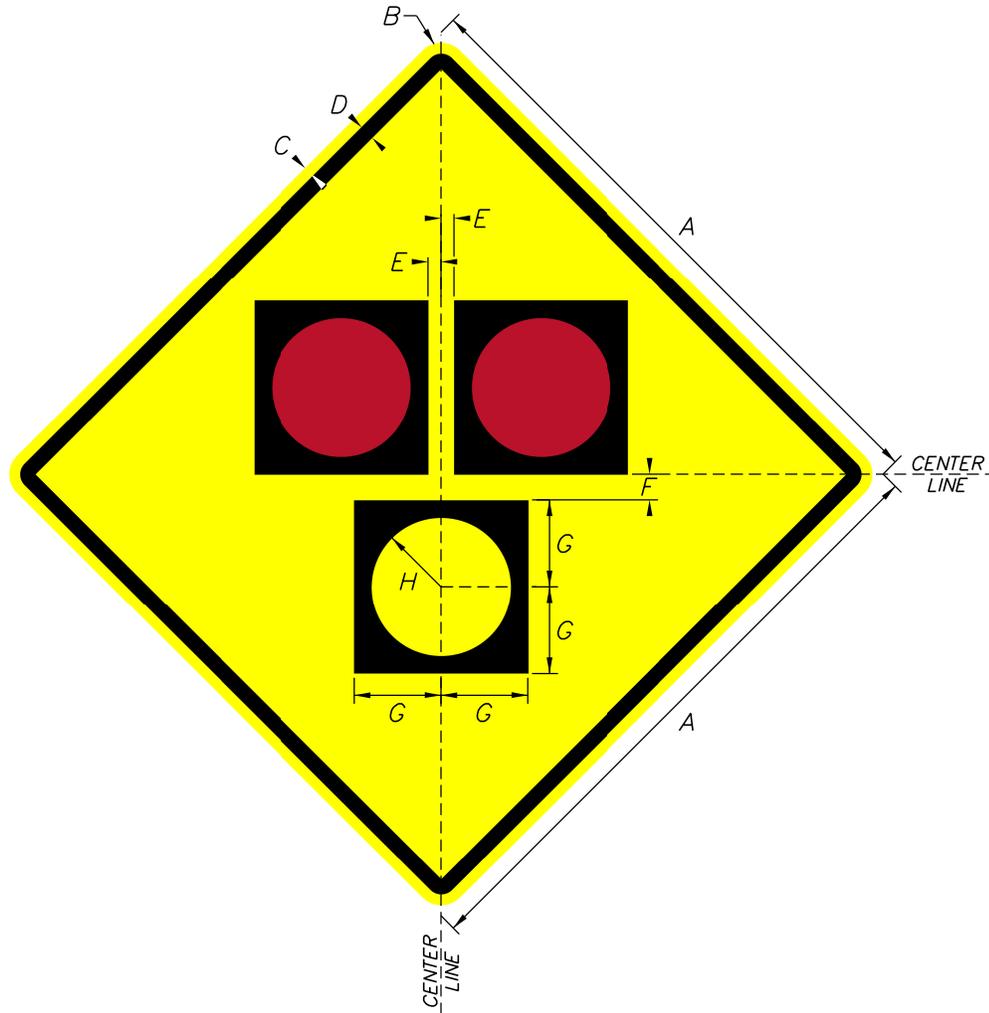
W3-3-DE												
A	B	C	D	E	F	G	H	J	K	L	M	N
60"	48"	1.5"	0.5"	1"	8"C	6"	3.5"	6"C	6"	31.25"	6"	5"
72"	48"	1.5"	0.5"	1"	8"D	6"	3.5"	6"D	6"	31.25"	7.5"	6"

COLORS: LEGEND, BORDER - BLACK
BACKGROUND - YELLOW

MATERIAL: TYPE IV HIGH-INTENSITY

Pedestrian Hybrid Beacon Ahead

W3-3-DE1



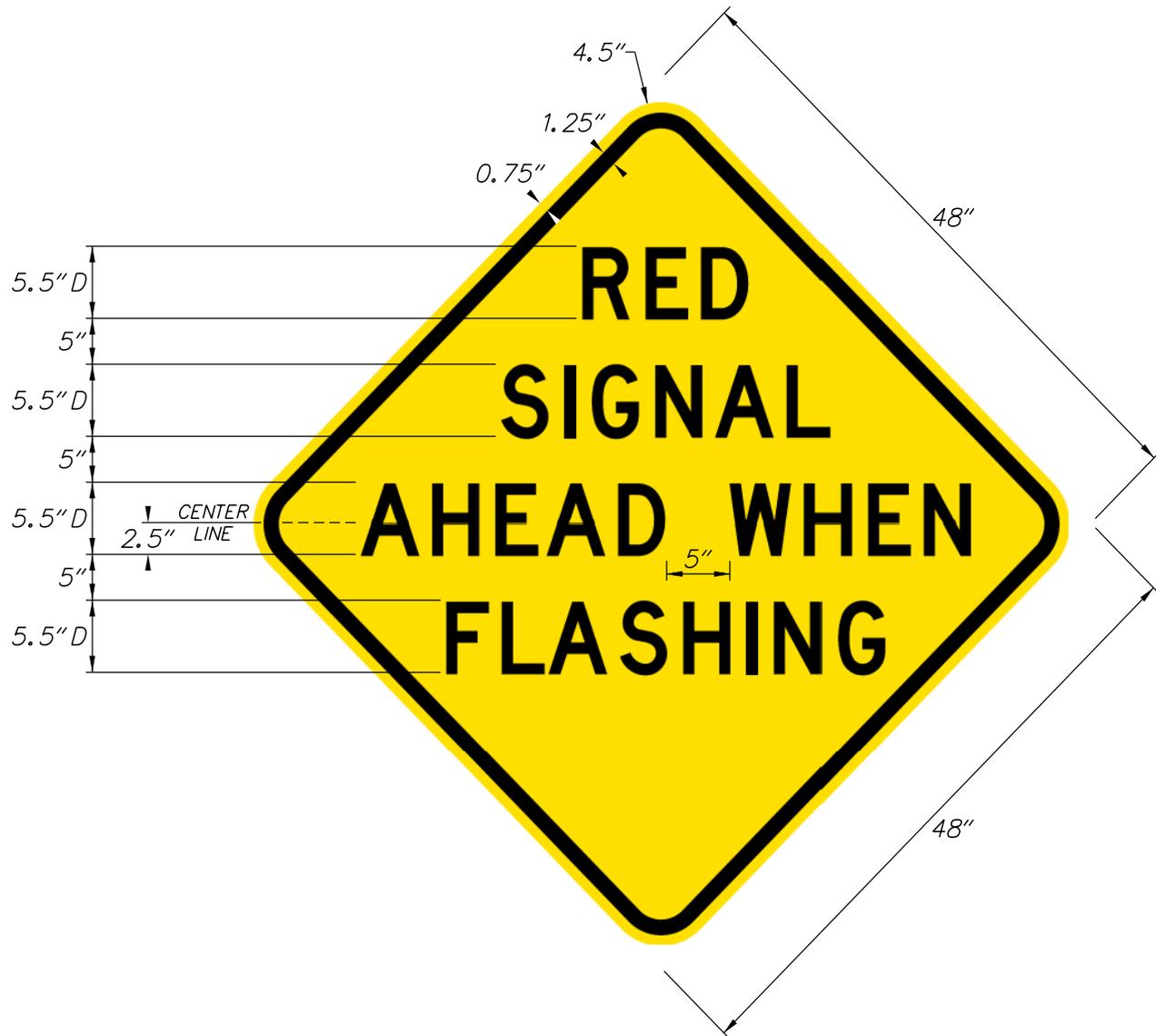
W3-3-DE1							
A	B	C	D	E	F	G	H
36"	1.5"	0.625"	0.875"	0.75"	1.5"	5"	4"
48"	2"	0.833"	1.167"	1"	2"	6.5"	5.25"

COLORS: LEGEND, BORDER - BLACK
 BACKGROUND - YELLOW
 CIRCLE - RED

MATERIAL: TYPE IV HIGH-INTENSITY



Red Signal Ahead When Flashing W3-3-DE2



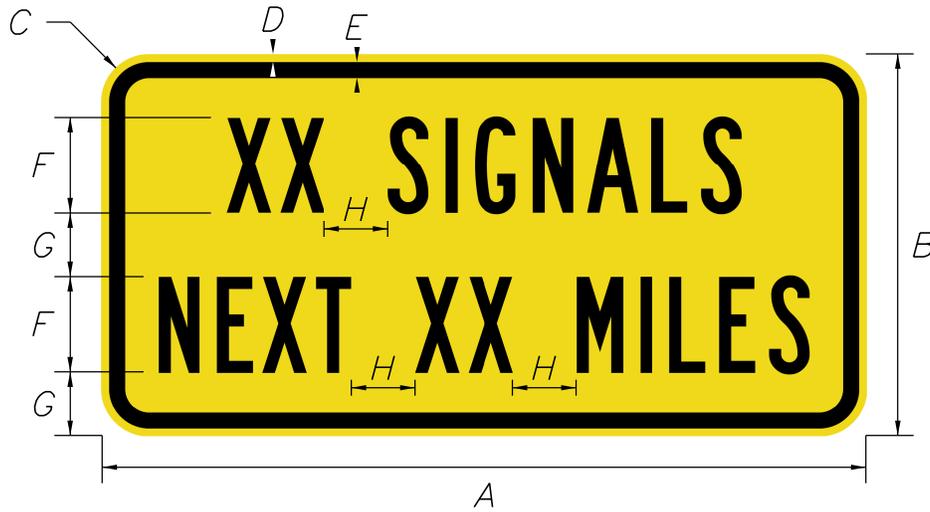
COLORS: LEGEND, BORDER - BLACK
BACKGROUND - YELLOW

MATERIAL: TYPE IV HIGH-INTENSITY



XX Signals Next XX Miles

W3-3P-DE



W3-3P-DE							
A	B	C	D	E	F	G	H
24"	12"	1.5"	0.25"	0.5"	3"B	2"	2"
36"	18"	2.25"	0.5"	0.75"	4.5"B	3"	3"

COLORS: LEGEND, BORDER - BLACK
 BACKGROUND - YELLOW

MATERIAL: TYPE IV HIGH-INTENSITY

Changeable Speed Limit Zone Ahead



W3-5-DE



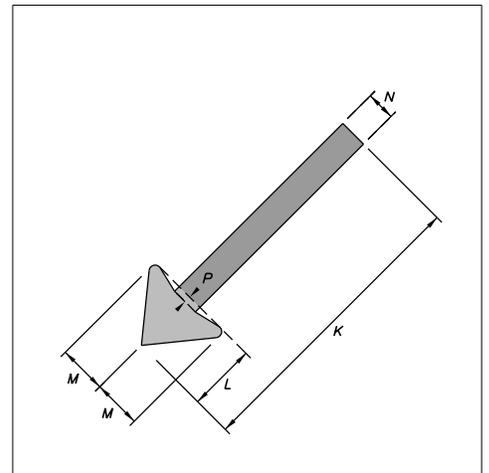
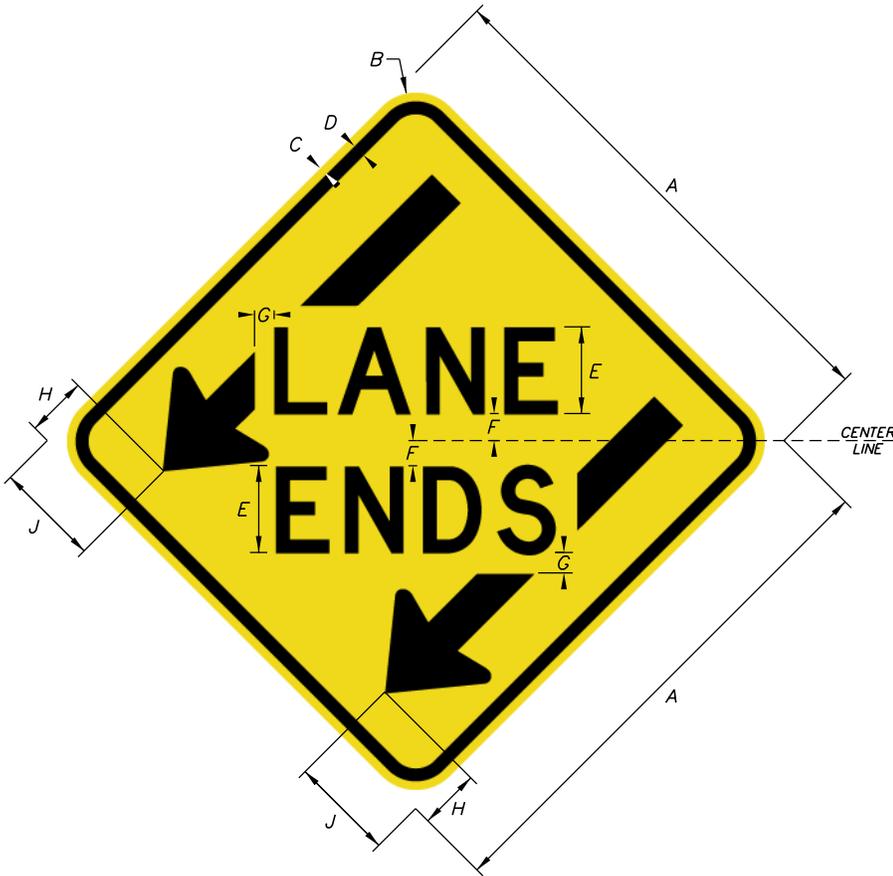
COLORS: LEGEND, BORDER - BLACK
BACKGROUND - YELLOW

MATERIAL: TYPE IV HIGH-INTENSITY



Lane Ends

W9-2-DE



W9-2-DE													
A	B	C	D	E	F	G	H	J	K	L	M	N N	P
30"	2.75"	0.5"	0.75"	5"D	1.5"	1.25"	3.5"	6"	23"	5.25"	3.75"	2.25"	0.5"
36"	3.25"	0.5"	1"	6"D	1.75"	1.5"	4.25"	7.25"	27.5"	6.25"	4.5"	2.75"	0.5"
48"	4.5"	0.75"	1.25"	8"D	2.5"	2"	5.5"	9.75"	37"	8.5"	6"	3.5"	0.75"

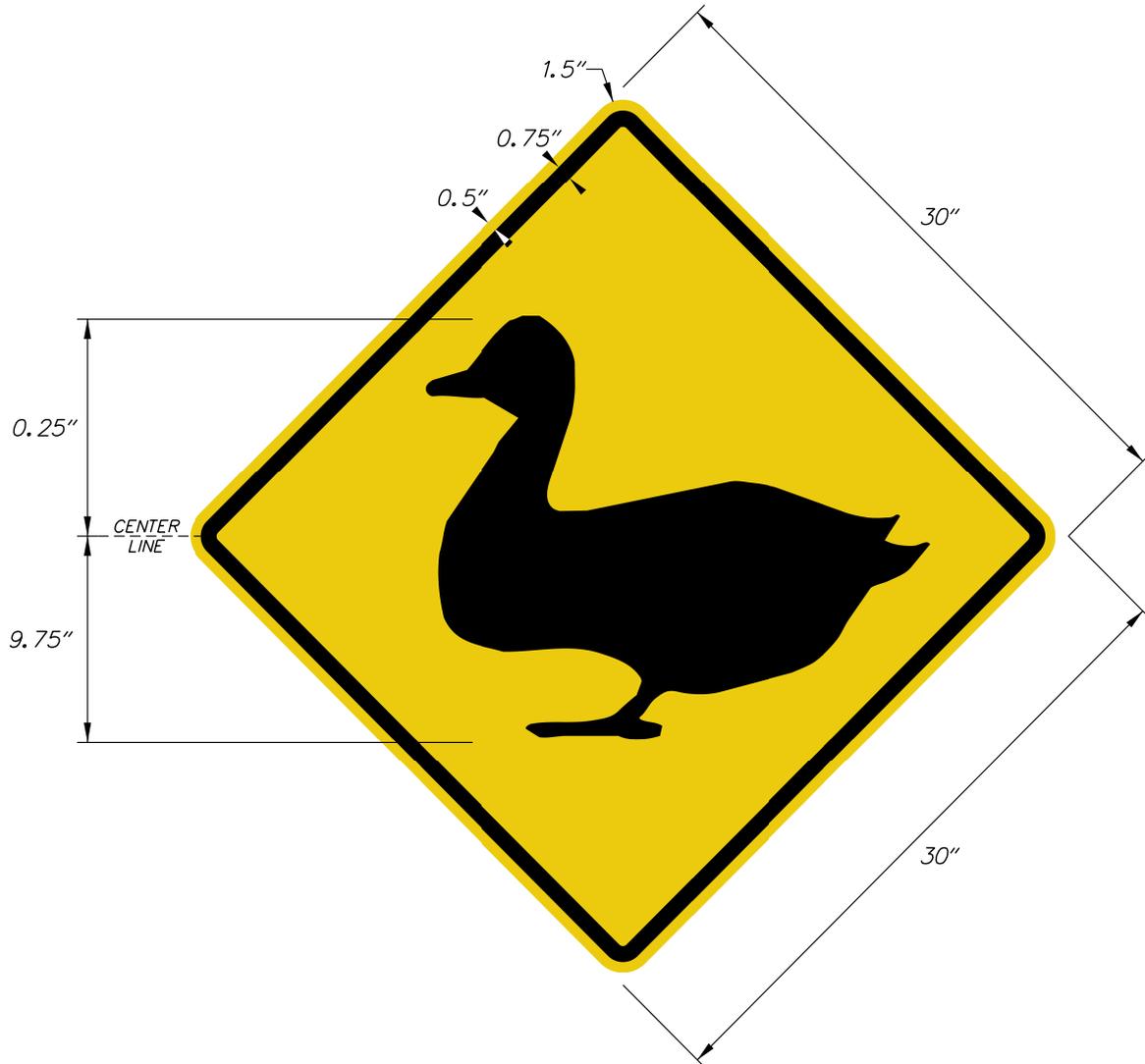
COLORS: LEGEND, BORDER - BLACK
 BACKGROUND - YELLOW

MATERIAL: TYPE IV HIGH-INTENSITY

Duck



W11-3-DE



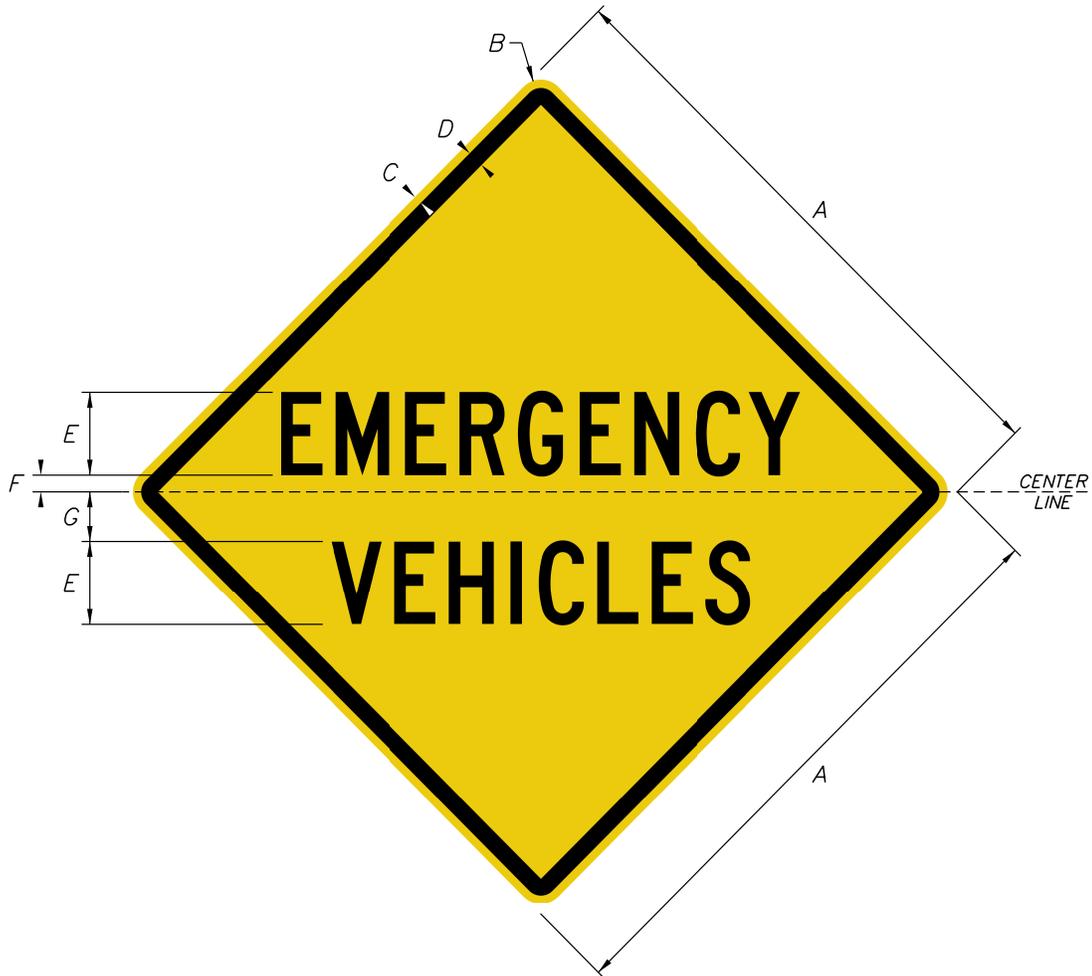
COLORS: LEGEND, BORDER - BLACK
BACKGROUND - YELLOW

MATERIAL: TYPE IV HIGH-INTENSITY



Emergency Vehicles

W11-8-DE



W11-8-DE						
A	B	C	D	E	F	G
24"	1"	0.25"	0.5"	3"C	0.75"	2"
30"	1.25"	0.5"	0.75"	4"C	1"	2.5"
36"	1.5"	0.5"	1"	5"C	1"	3"
48"	2"	0.75"	1.25"	6.5"C	1.25"	4"

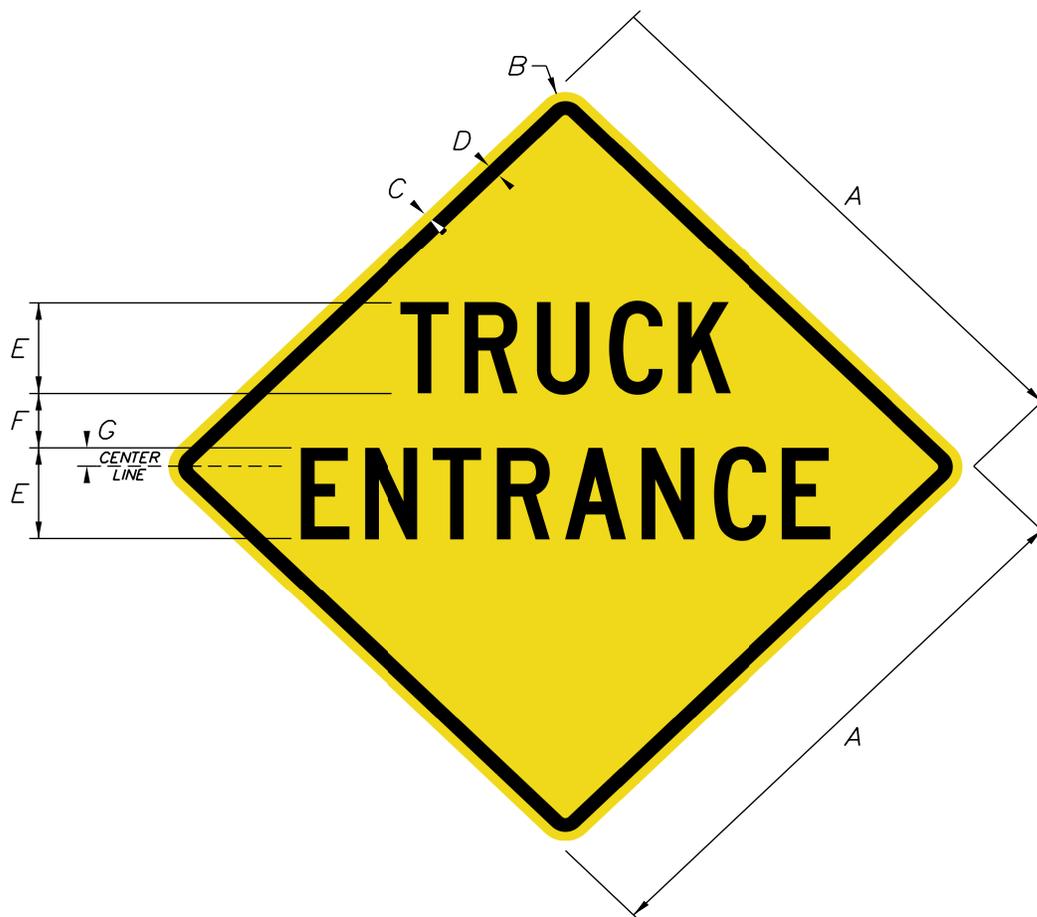
COLORS: LEGEND, BORDER - BLACK
BACKGROUND - YELLOW

MATERIAL: TYPE IV HIGH-INTENSITY



Truck Entrance

W11-10-DE



W11-10-DE						
A	B	C	D	E	F	G
30"	1.5"	0.5"	0.75"	5"C	3"	1"
36"	1.75"	0.5"	1"	6"C	3.5"	1.25"
48"	2.5"	0.75"	1.25"	8"C	4.75"	1.5"

COLORS: LEGEND, BORDER - BLACK
BACKGROUND - YELLOW

MATERIAL: TYPE IV HIGH-INTENSITY



Fire Signal Stop on Flashing Red

W11-12-DE



W11-12-DE												
A	B	C	D	E	F	G	H	J	K	L	M	N
60"	48"	1.5"	0.75"	1.125"	5.5"	8"C	5"	7"C	4"	5.75"	5"	1.125"
72"	48"	1.5"	0.75"	1.125"	5.5"	8"B	8"	7"B	4"	5.75"	7"	1.125"

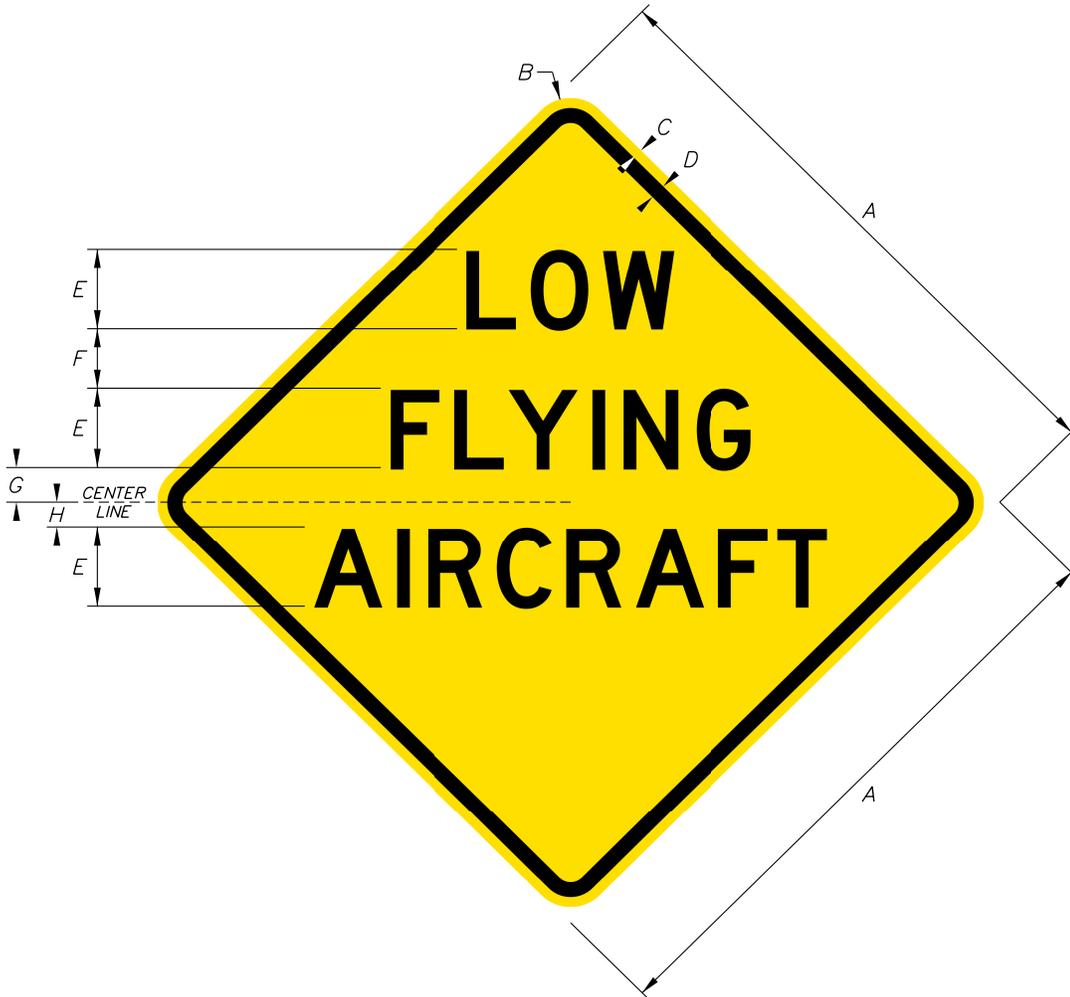
COLORS: LEGEND, BORDER - BLACK
BACKGROUND - YELLOW

MATERIAL: TYPE IV HIGH-INTENSITY

Low Flying Aircraft



W11-23-DE



W11-23-DE							
A	B	C	D	E	F	G	H
30"	2"	0.5"	0.75"	4"D	3"	1.75"	1.25"
36"	2.5"	0.5"	1"	5"D	3.5"	2"	1.5"

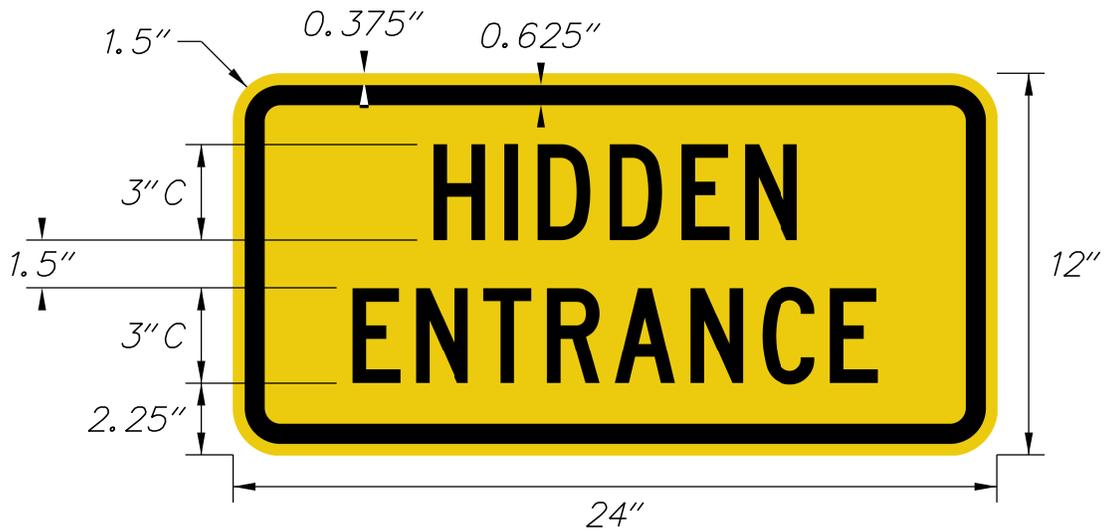
COLORS: LEGEND, BORDER - BLACK
BACKGROUND - YELLOW

MATERIAL: TYPE IV HIGH-INTENSITY



Hidden Entrance (plaque)

W11-24aP-DE



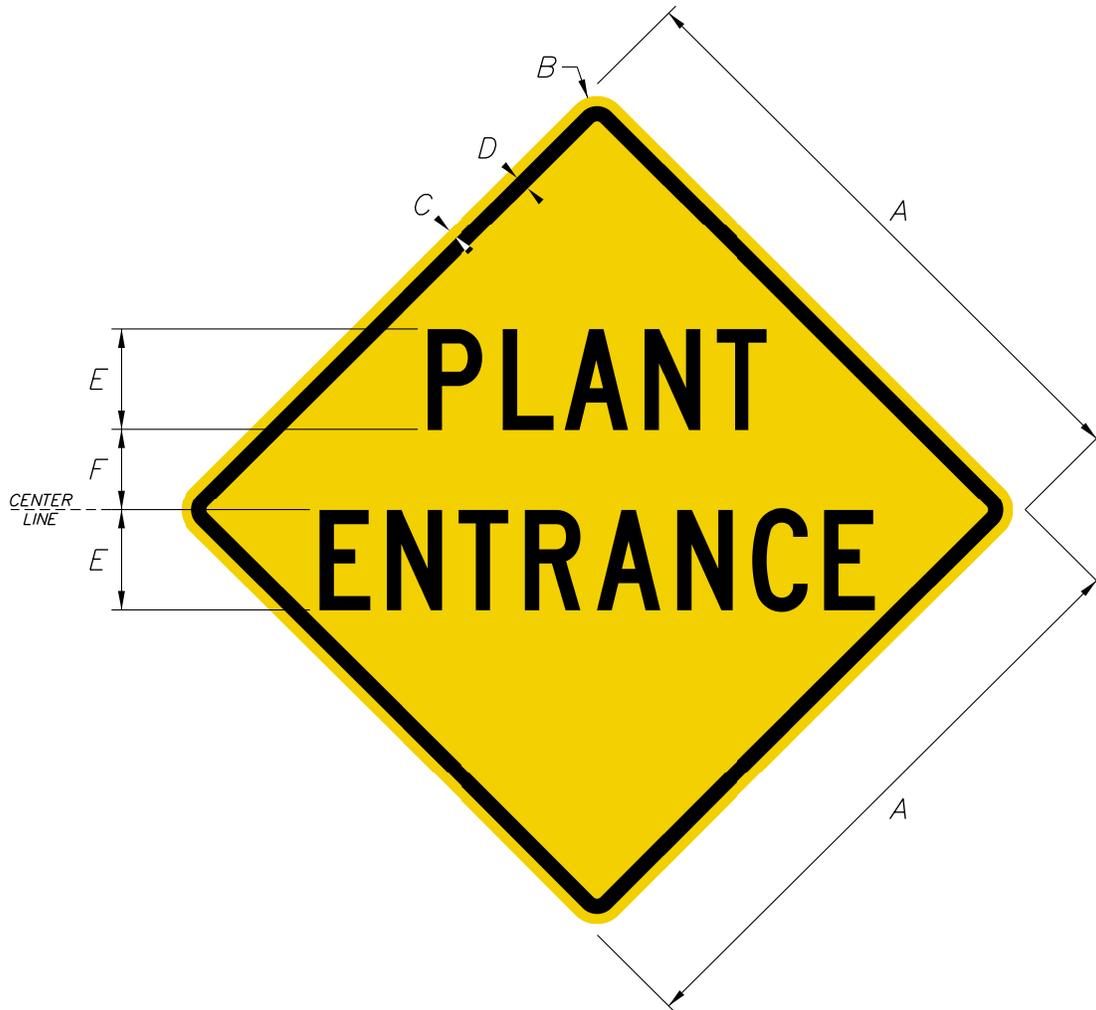
COLORS: LEGEND, BORDER - BLACK
BACKGROUND - YELLOW

MATERIAL: TYPE IV HIGH-INTENSITY



Plant Entrance

W11-25-DE



W11-25-DE					
A	B	C	D	E	F
30"	1.5"	0.5"	0.75"	5" ^C	4"
36"	2"	0.5"	1"	6" ^C	5"

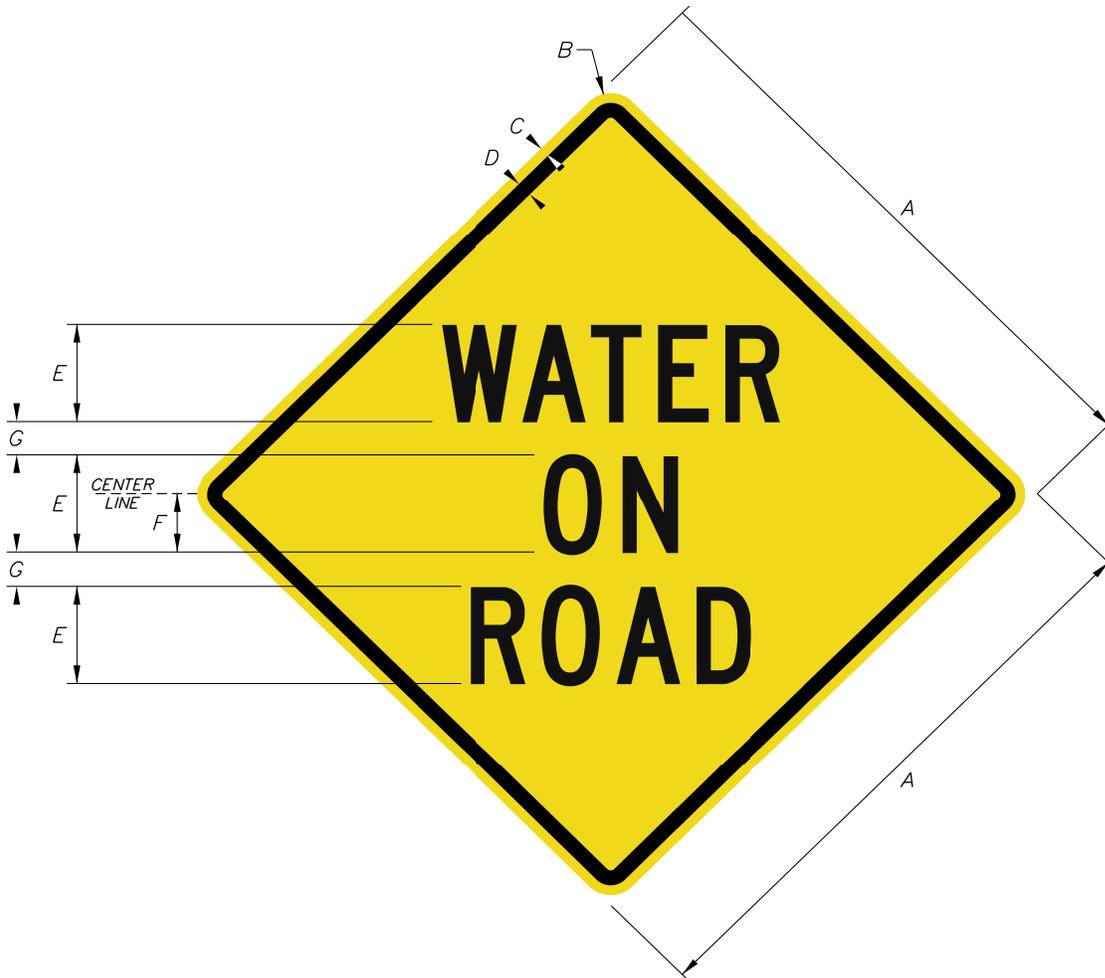
COLORS: LEGEND, BORDER - BLACK
BACKGROUND - YELLOW

MATERIAL: TYPE IV HIGH-INTENSITY



Water on Road

W21-7-DE



W21-7-DE						
A	B	C	D	E	F	G
30"	1.5"	0.5"	0.75"	5"C	3"	1.75"
36"	2"	0.5"	1"	6"C	3.5"	2"
48"	2.5"	0.75"	1.25"	8"C	4.75"	2.75"

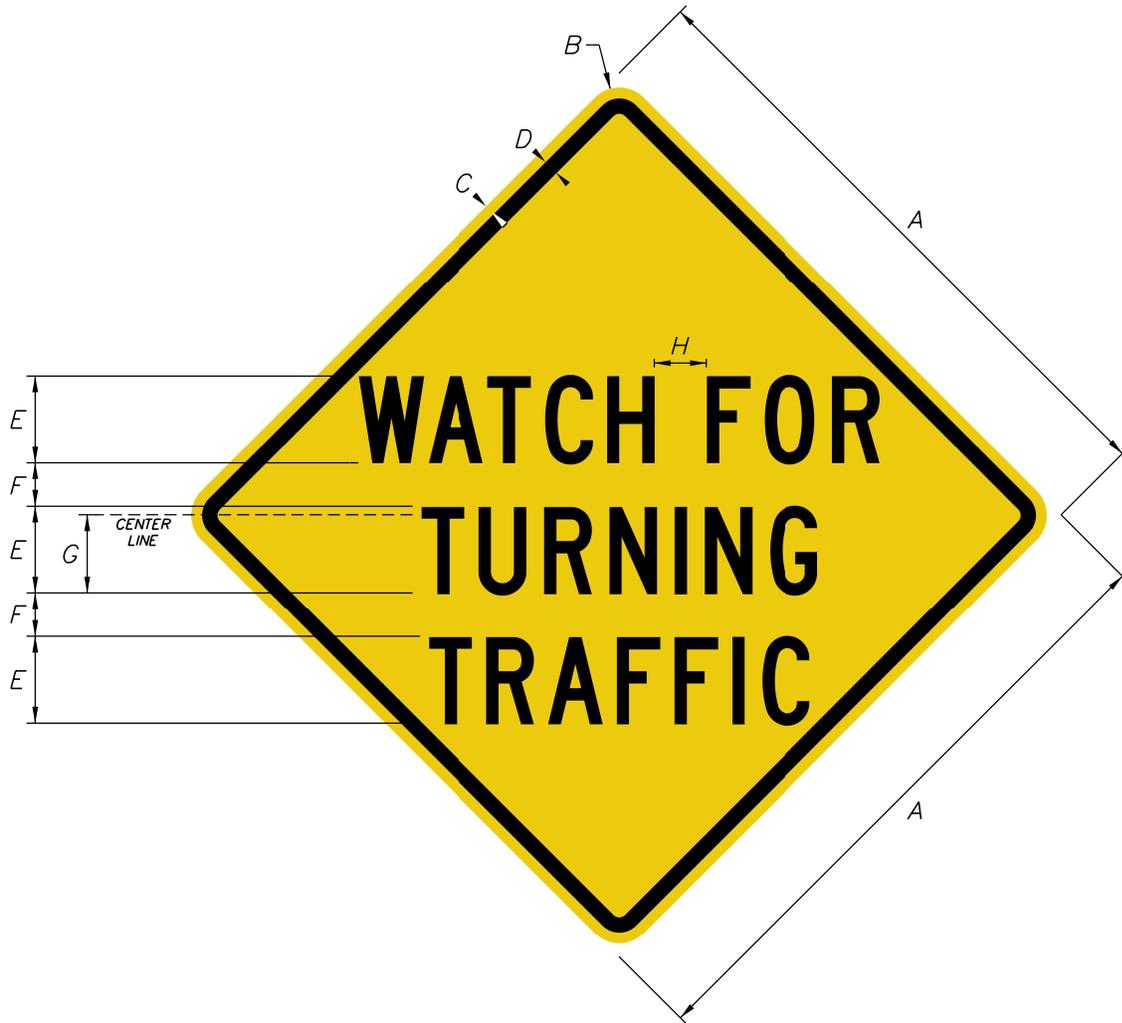
COLORS: LEGEND, BORDER - BLACK
BACKGROUND - YELLOW

MATERIAL: TYPE IV HIGH-INTENSITY



Watch For Turning Traffic

W21-9-DE



W21-9-DE							
A	B	C	D	E	F	G	H
36"	2"	0.625"	0.875"	5"C	2.5"	4.5"	3"
48"	2.5"	0.833"	1.167"	6.5"C	3.5"	6"	4"

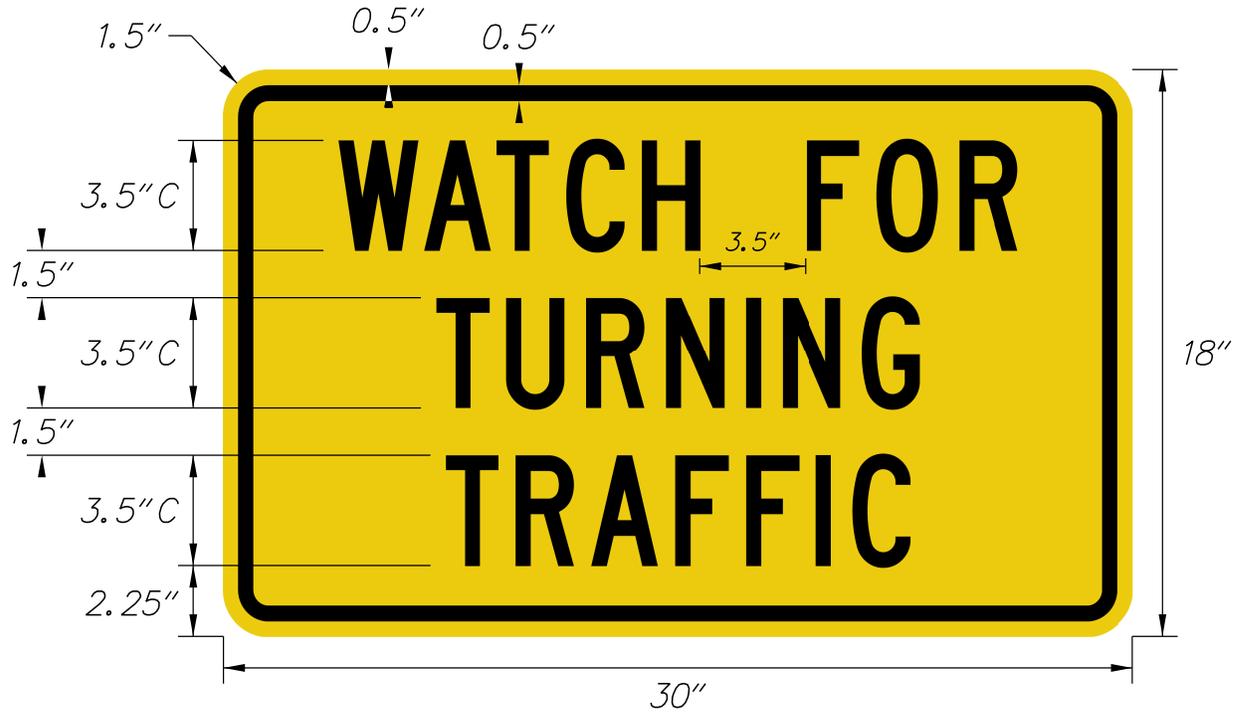
COLORS: LEGEND, BORDER - BLACK
 BACKGROUND - YELLOW

MATERIAL: TYPE IV HIGH-INTENSITY

Watch For Turning Traffic (plaque)



W21-9P-DE



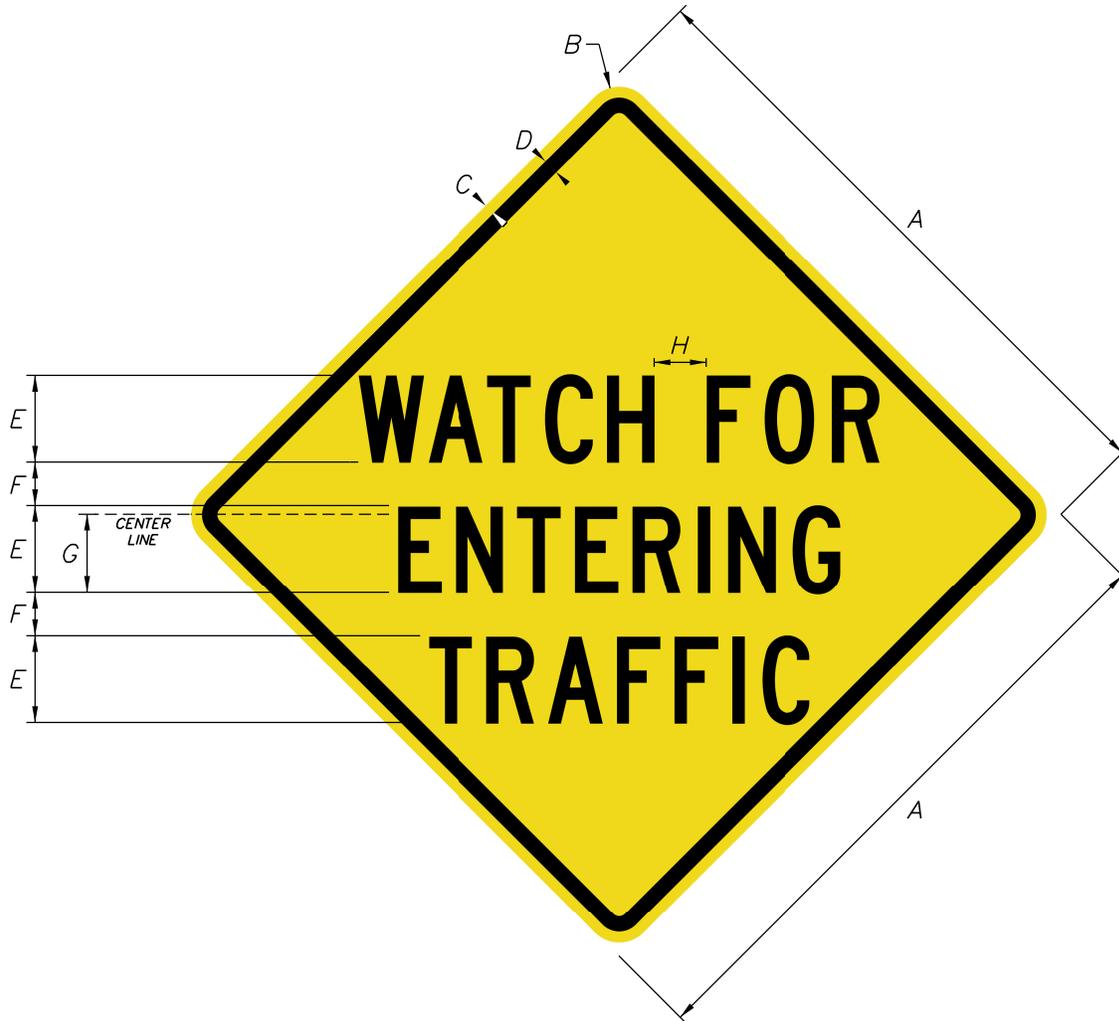
COLORS: LEGEND, BORDER - BLACK
BACKGROUND - YELLOW

MATERIAL: TYPE IV HIGH-INTENSITY



Watch for Entering Traffic

W21-10-DE



W21-10-DE							
A	B	C	D	E	F	G	H
36"	2"	0.625"	0.875"	5"C	2.5"	4.5"	3"
48"	2.5"	0.833"	1.167"	6.5"C	3.5"	6"	4"

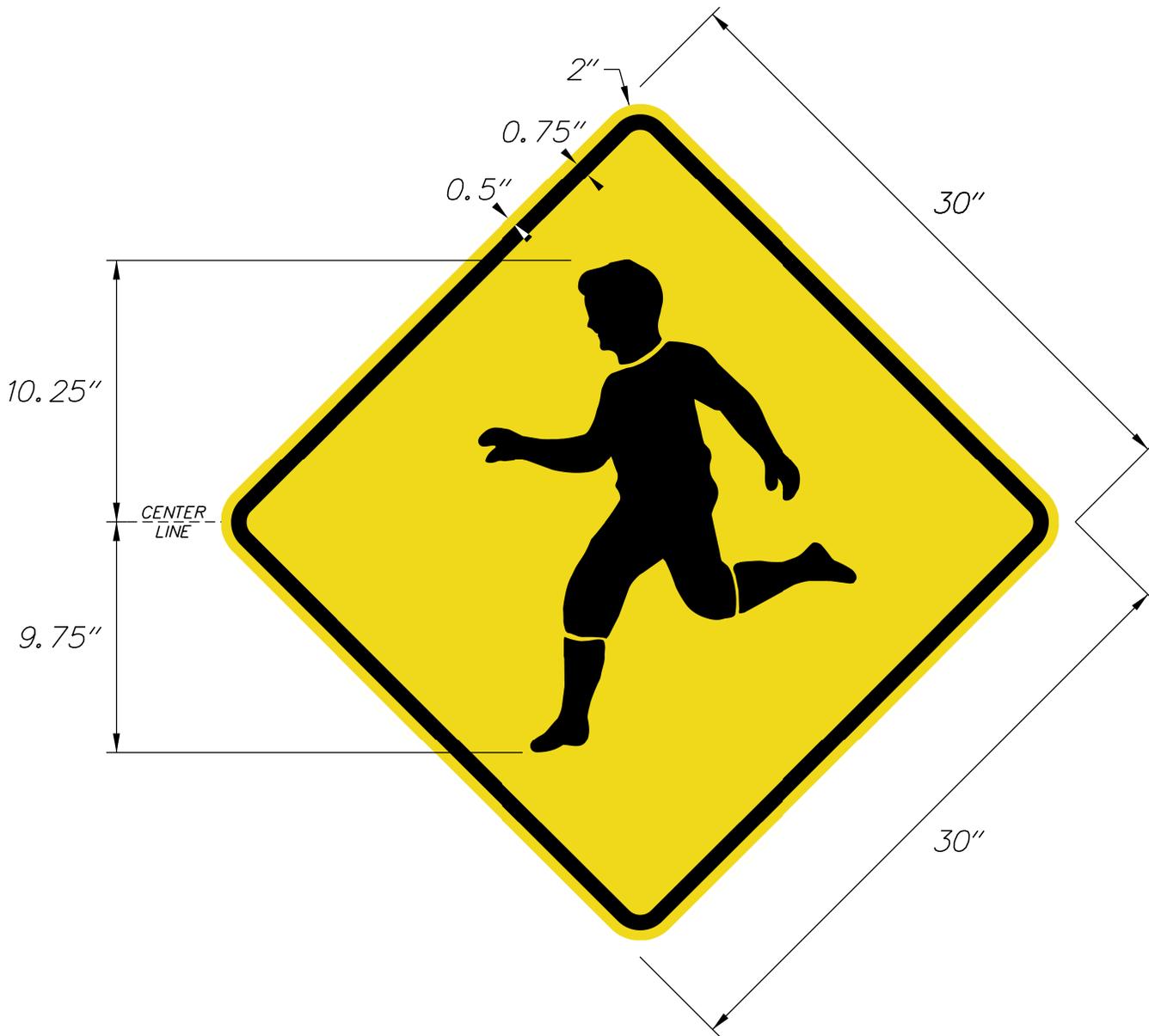
COLORS: LEGEND, BORDER - BLACK
BACKGROUND - YELLOW

MATERIAL: TYPE IV HIGH-INTENSITY



Watch Children

W21-11-DE



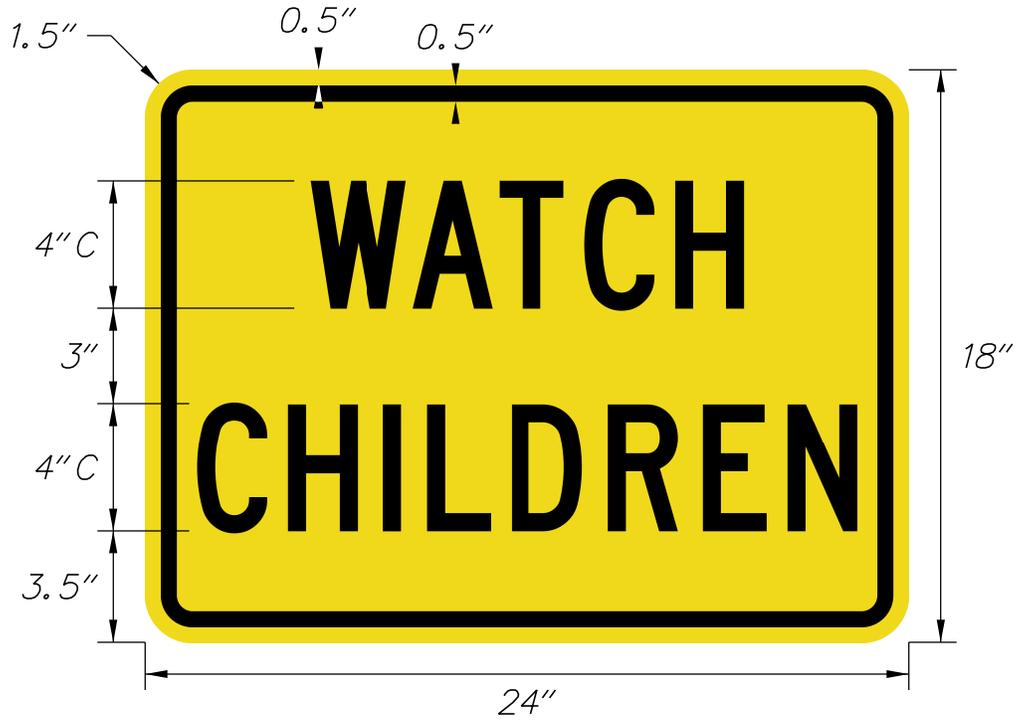
COLORS: LEGEND, BORDER - BLACK
BACKGROUND - YELLOW

MATERIAL: TYPE IV HIGH-INTENSITY

Watch Children (plaque)



W21-11P-DE



COLORS: LEGEND, BORDER - BLACK
BACKGROUND - YELLOW

MATERIAL: TYPE IV HIGH-INTENSITY

Strictly Enforced (plaque)



W21-12P-DE



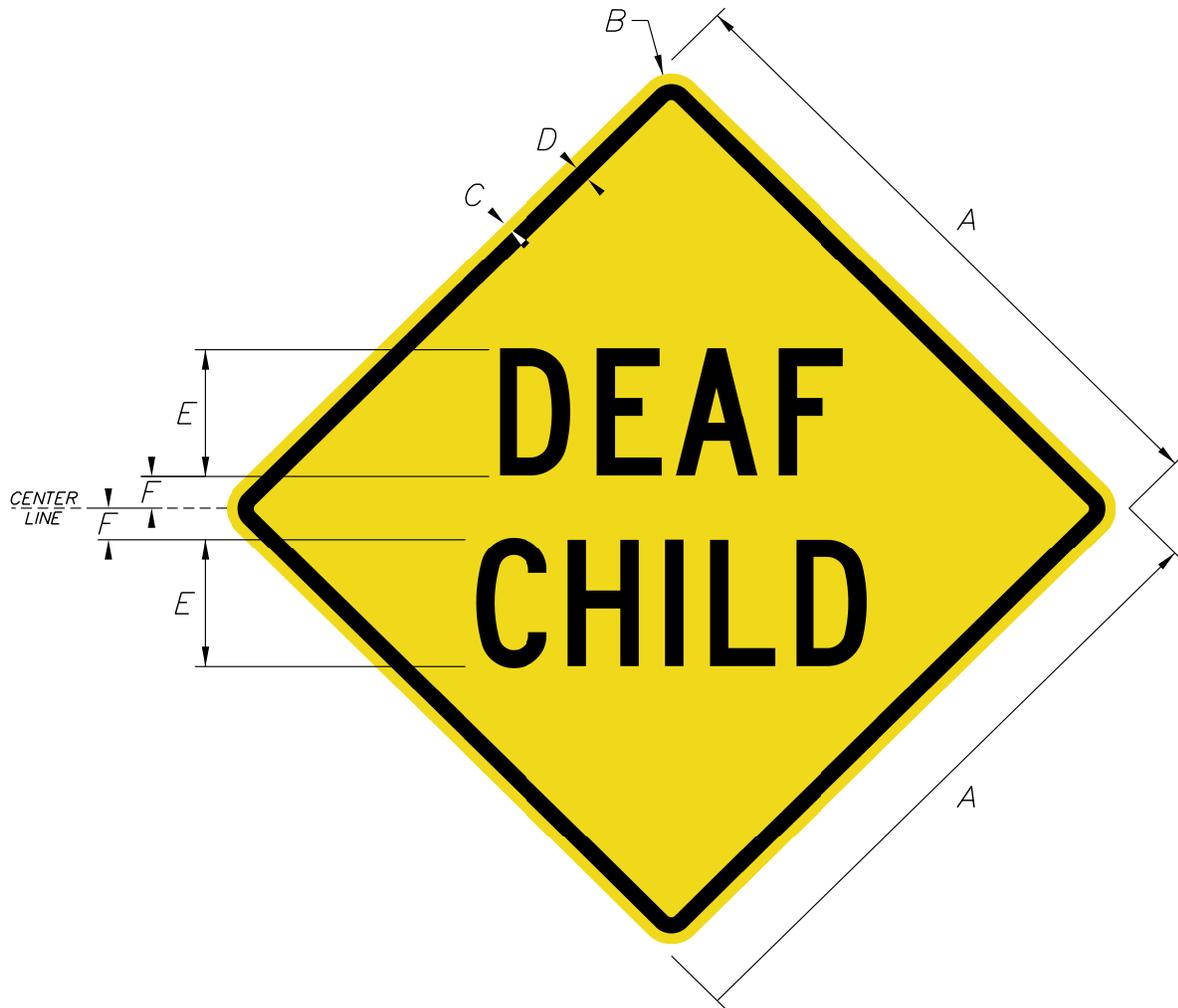
COLORS: LEGEND, BORDER - BLACK
BACKGROUND - YELLOW

MATERIAL: TYPE IV HIGH-INTENSITY



Deaf Child

W21-14-DE



W21-14-DE					
A	B	C	D	E	F
30"	1.5"	0.5"	0.75"	6"C	1.5"
36"	2"	0.5"	1"	7"C	2"

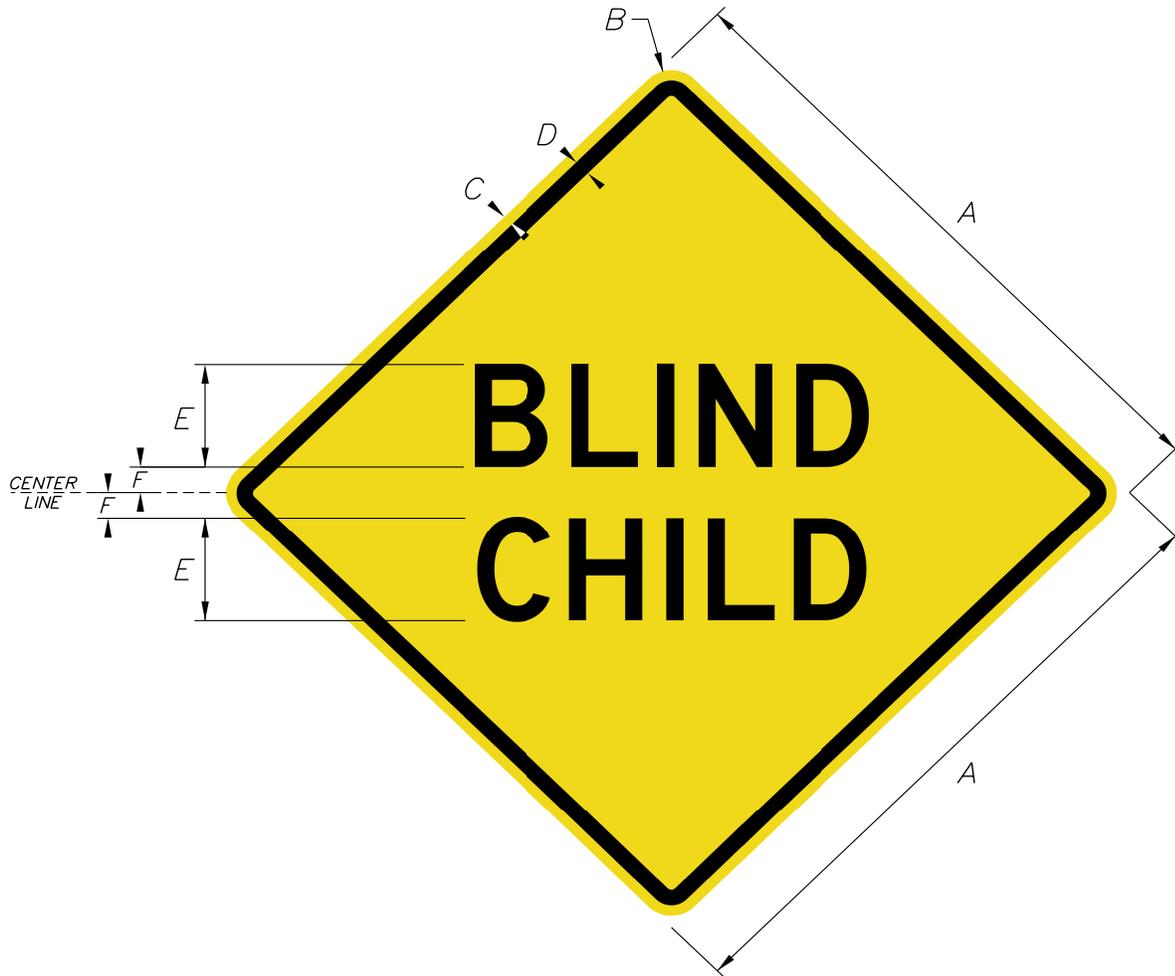
COLORS: LEGEND, BORDER - BLACK
 BACKGROUND - YELLOW

MATERIAL: TYPE IV HIGH-INTENSITY



Blind Child

W21-15-DE



W21-15-DE					
A	B	C	D	E	F
30"	1.5"	0.5"	0.75"	5"D	1.25"
36"	2"	0.5"	1"	6"D	1.5"

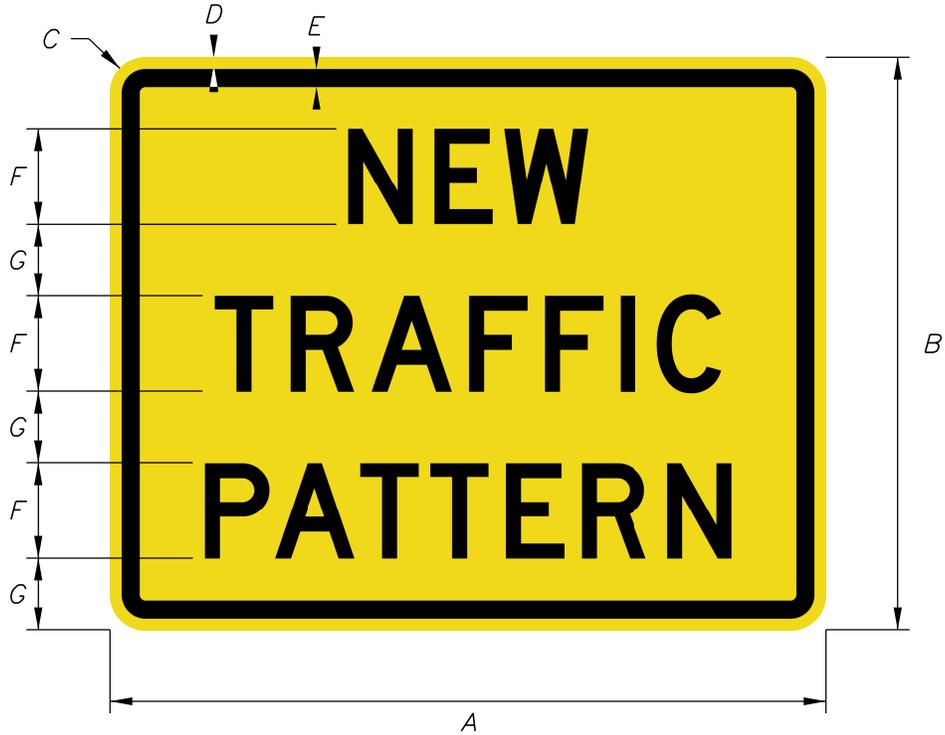
COLORS: LEGEND, BORDER - BLACK
BACKGROUND - YELLOW

MATERIAL: TYPE IV HIGH-INTENSITY



New Traffic Pattern (plaque)

W23-2P-DE



W23-2P-DE						
A	B	C	D	E	F	G
30"	24"	1.5"	0.5"	0.75"	4"D	3"
36"	30"	2"	0.5"	1"	5" D	3.75"

COLORS: LEGEND, BORDER - BLACK
 BACKGROUND - YELLOW

MATERIAL: TYPE IV HIGH-INTENSITY

Park & Ride



D2-2-DE



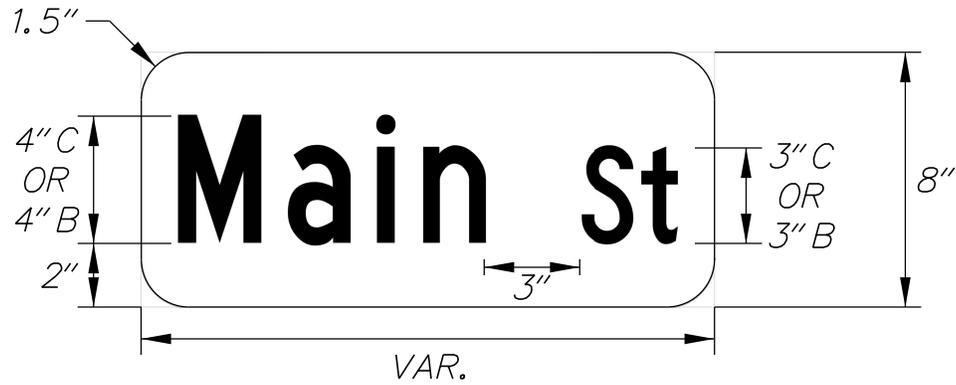
COLORS: BACKGROUND - WHITE
TOP SECTION BORDER AND LABEL - MAGENTA BLUE AND GREEN
BOTTOM SECTION LABEL - BLACK

MATERIAL: TYPE I (ENGINEERING GRADE)



Private Street Name

D3-1-DE1

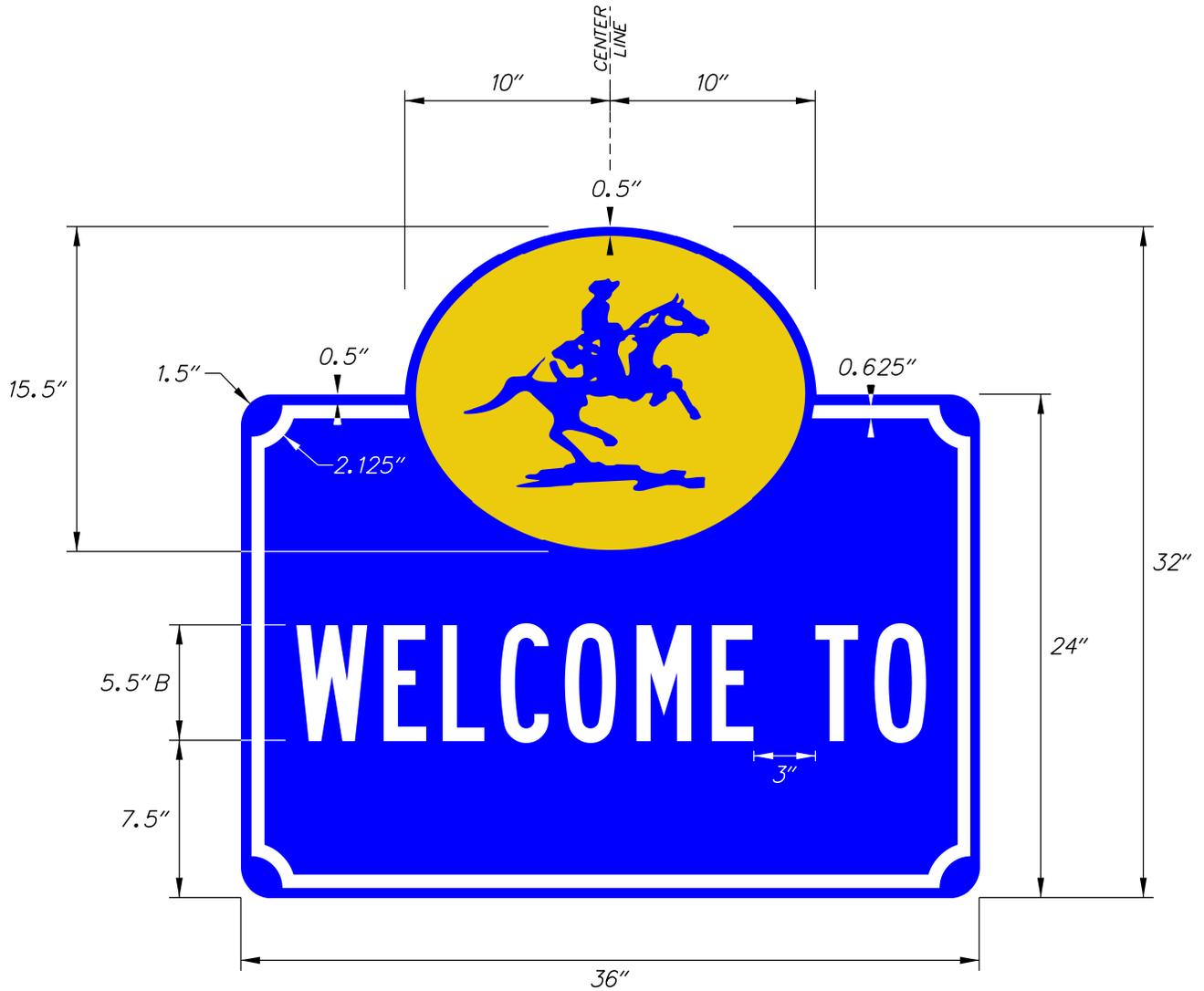


COLORS: LEGEND - BLACK
BACKGROUND - WHITE (RETROREFLECTIVE)

MATERIAL: TYPE I (ENGINEERING GRADE)



Welcome To D3-2-DE1



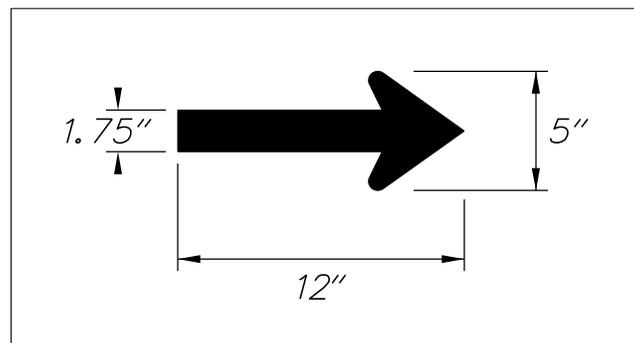
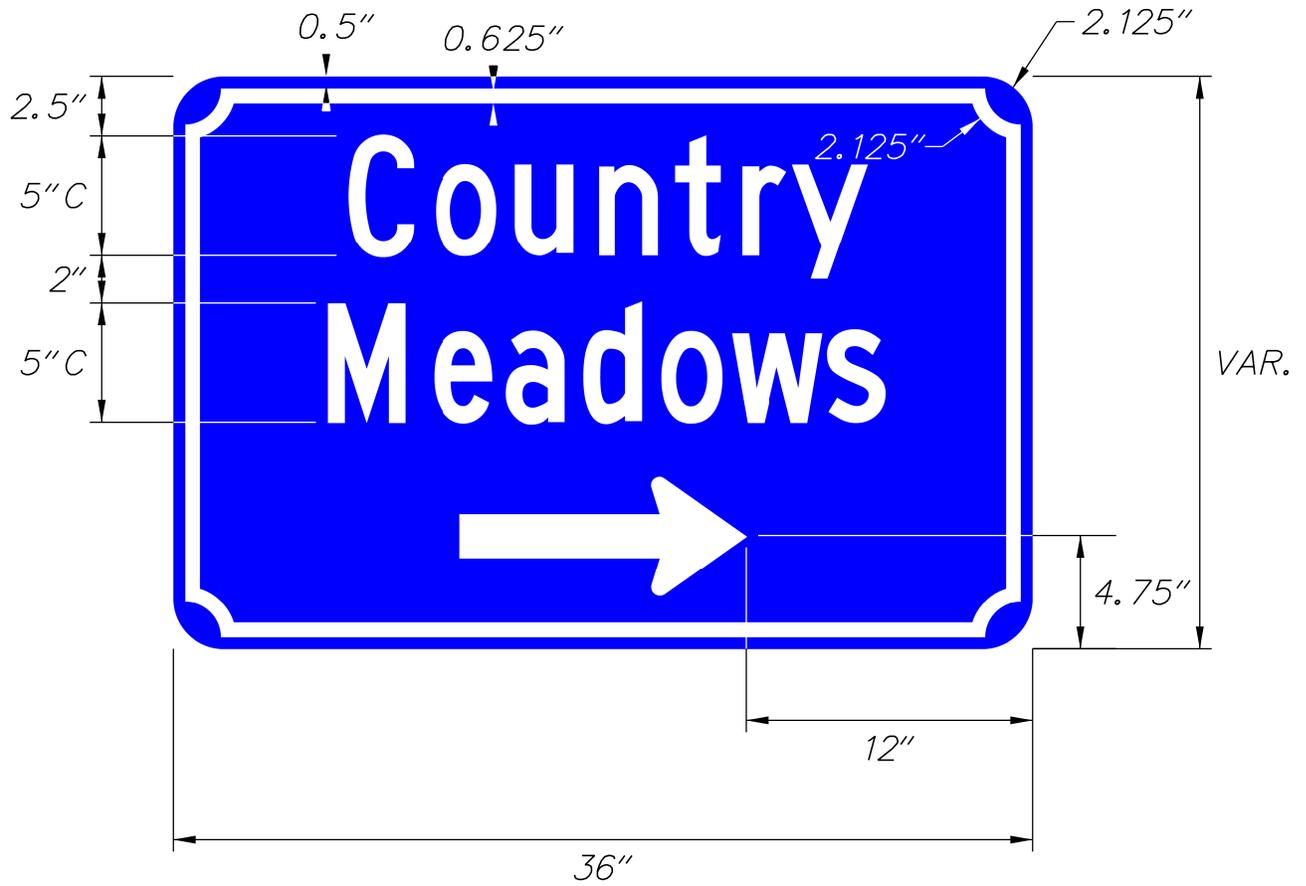
COLORS: LEGEND - WHITE
BACKGROUND - BLUE
SYMBOL - YELLOW

MATERIAL: TYPE IV HIGH-INTENSITY



Development Name

D3-2-DE2



COLORS: LEGEND - BLUE
BACKGROUND - WHITE

MATERIAL: TYPE IV HIGH-INTENSITY



Development Name

D3-2-DE3

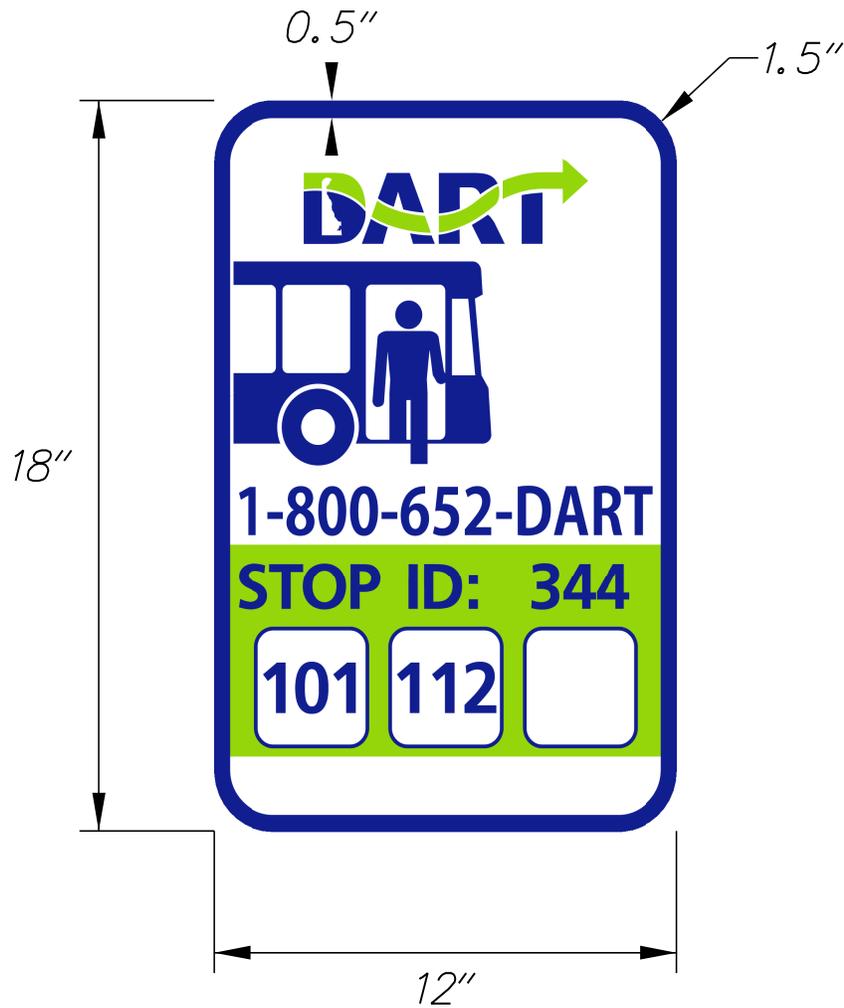


COLORS: LEGEND - GREEN
BACKGROUND - WHITE

MATERIAL: TYPE IV HIGH-INTENSITY

Bus Stop

D4-3-DE



- | | | |
|----------------|--------------------------|---------------|
| COLORS: | UPPER SECTION LEGEND | - GREEN/BLUE |
| | UPPER SECTION BACKGROUND | - WHITE |
| | LOWER SECTION LEGEND | - BLUE |
| | LOWER SECTION BACKGROUND | - GREEN/WHITE |

MATERIAL: TYPE I (ENGINEERING GRADE)



Sponsor A Highway

D14-1-DE



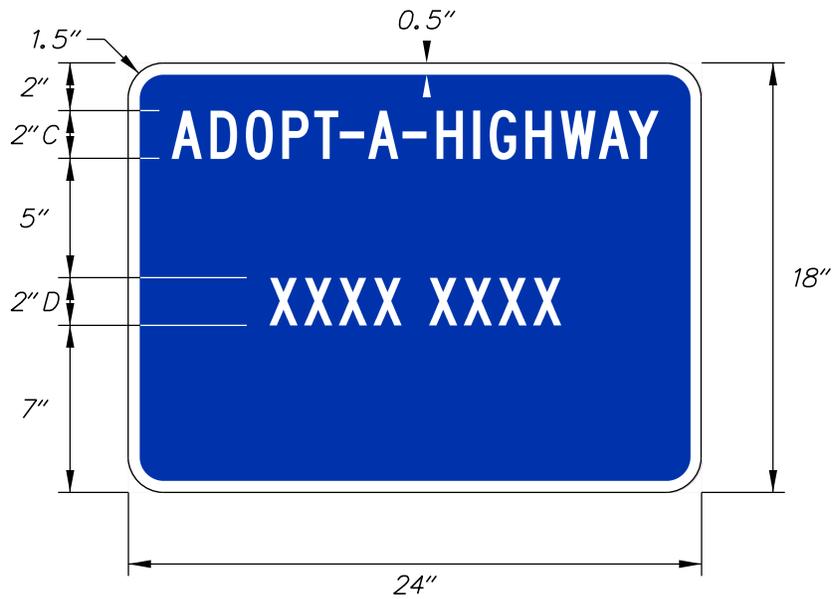
COLORS: LEGEND - WHITE
BACKGROUND - BLUE

MATERIAL: TYPE IV HIGH INTENSITY



Adopt A Highway

D14-3-DE

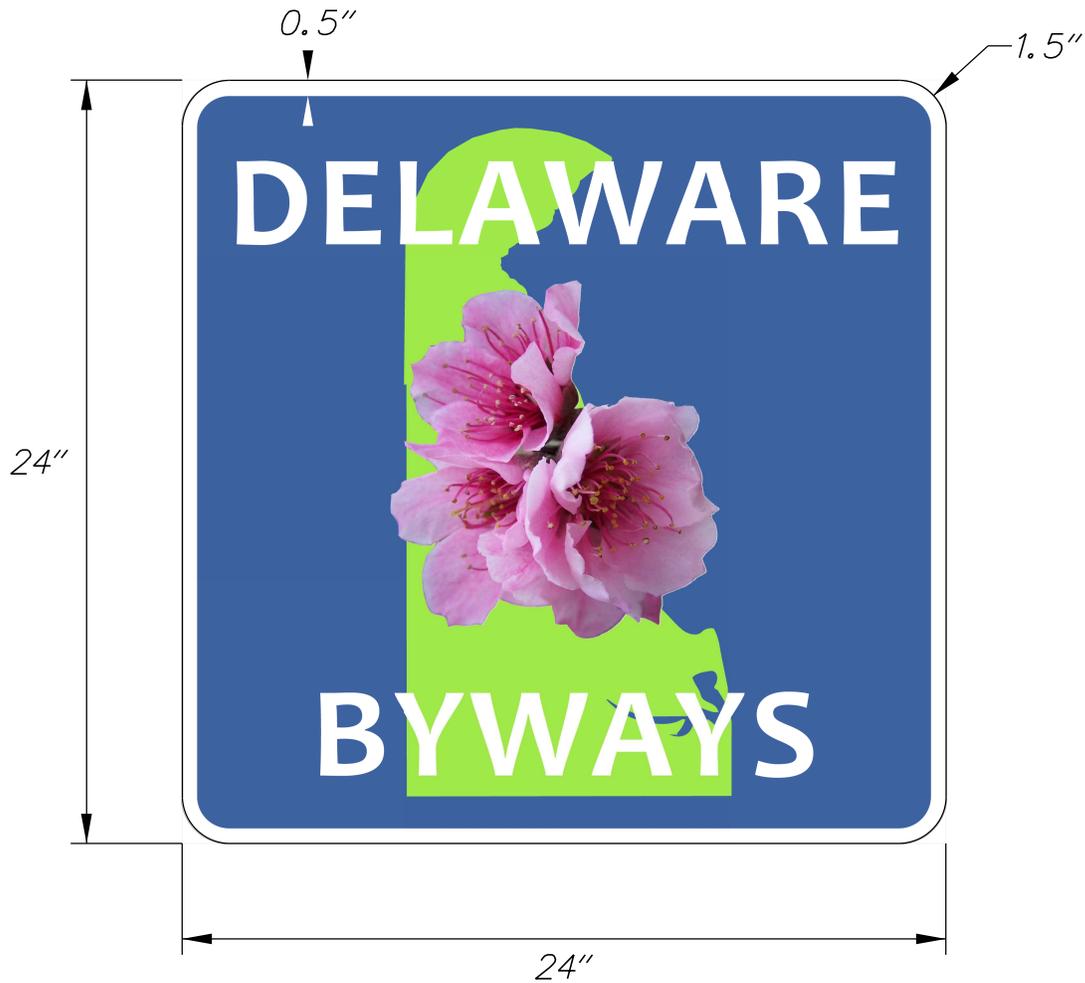


COLORS: LEGEND - WHITE
BACKGROUND - BLUE

MATERIAL: TYPE IV HIGH-INTENSITY

Delaware Byways

D14-4-DE



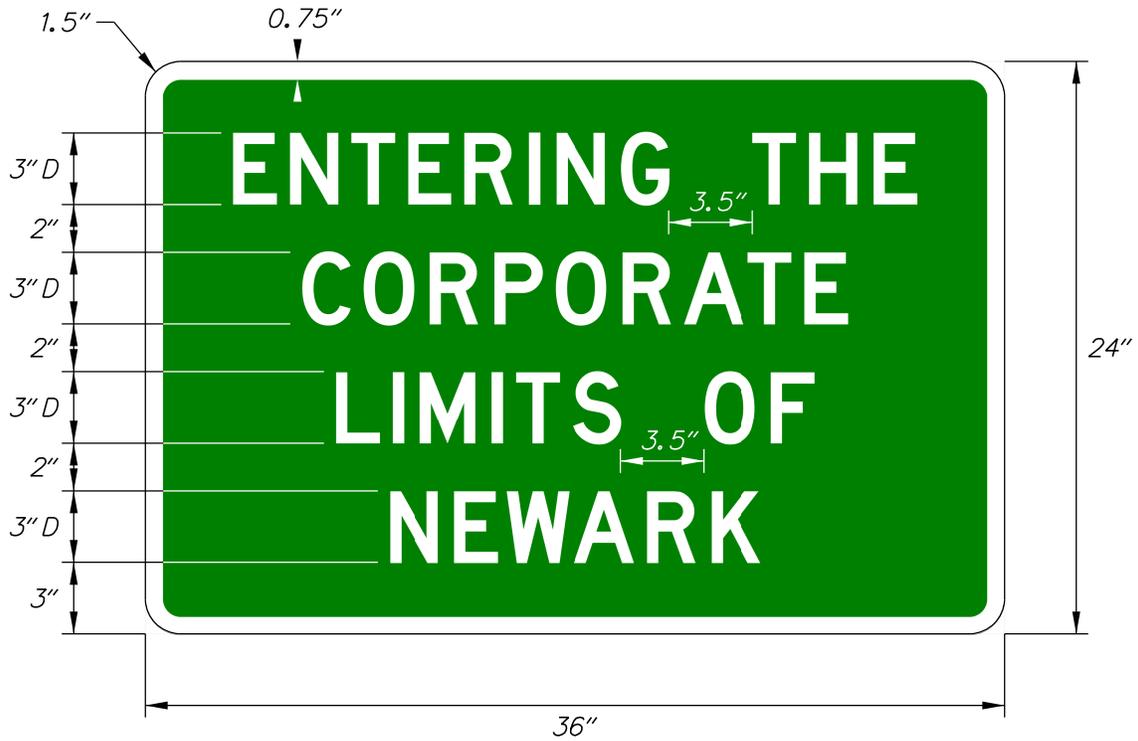
COLORS: LEGEND - WHITE
BACKGROUND - BLUE
SYMBOL - GREEN/PINK

MATERIAL: TYPE I (ENGINEERING GRADE)

Entering Corporate Limits



I-2-DE1



COLORS: LEGEND - WHITE
BACKGROUND - GREEN

MATERIAL: TYPE IV HIGH-INTENSITY

Now Leaving Corporate Limits



I-2-DE2



COLORS: LEGEND - WHITE
BACKGROUND - GREEN

MATERIAL: TYPE IV HIGH-INTENSITY

Welcome to Delaware



SI-1-DE



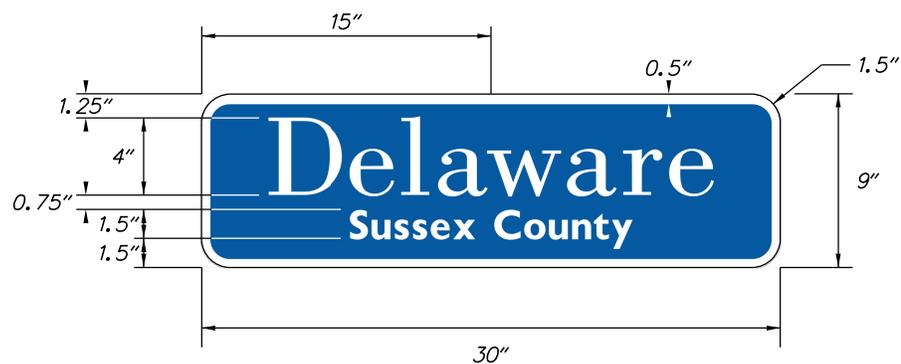
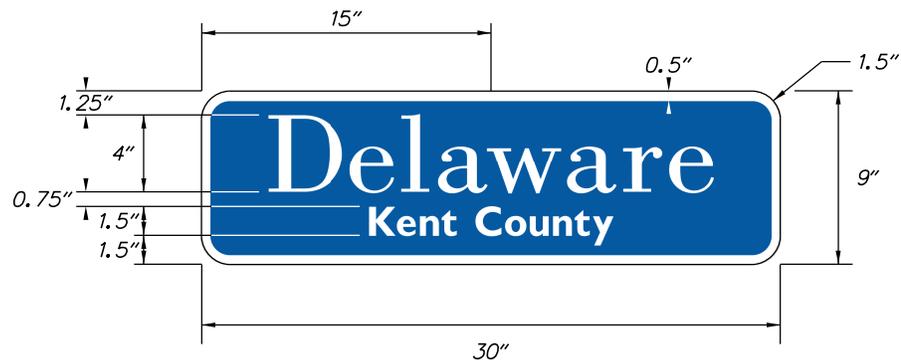
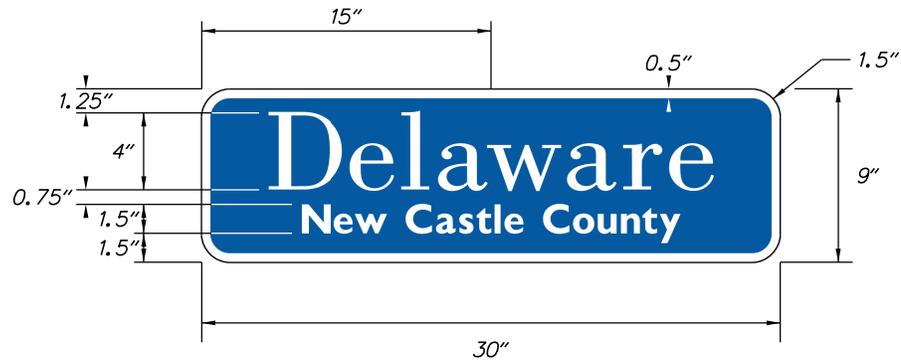
COLORS: LEGEND - BLUE, WHITE
BACKGROUND - WHITE, BLUE

MATERIAL: TYPE IX (DIAMOND GRADE)



Delaware County

SI-2-DE



COLORS: LEGEND - WHITE
BACKGROUND - BLUE

MATERIAL: TYPE IV HIGH-INTENSITY

Radio-Traffic Information



D12-1-DE



COLORS: LEGEND - WHITE
BACKGROUND - BLUE

MATERIAL: TYPE IV HIGH-INTENSITY

Report Traffic Problems



Call #77

D12-4-DE

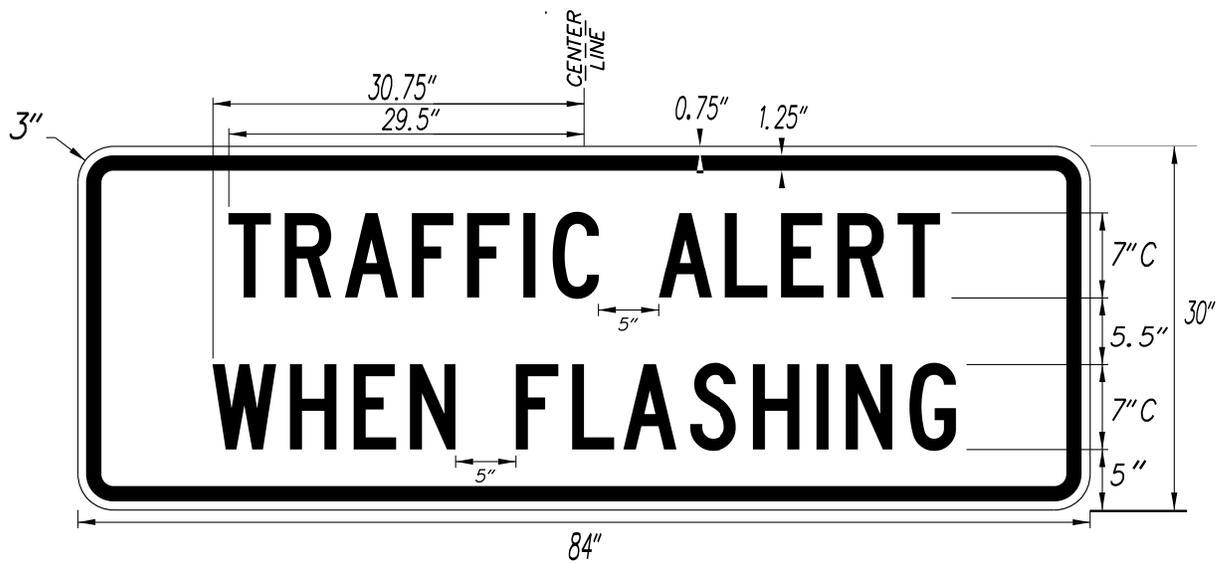


COLORS: LEGEND - WHITE
BACKGROUND - BLUE

MATERIAL: TYPE IV HIGH-INTENSITY



Traffic Alert When
Flashing
D12-1P-DE



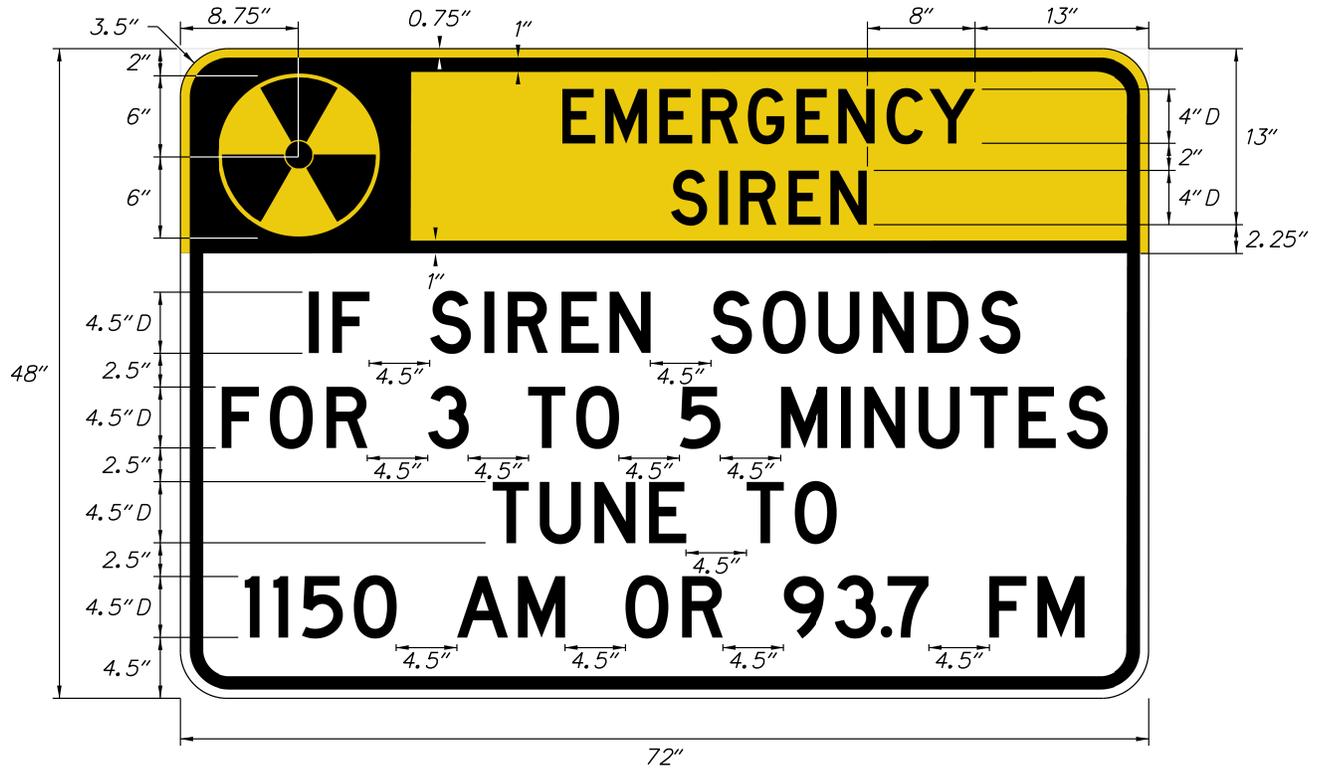
COLORS: LEGEND - BLACK
BACKGROUND - WHITE

MATERIAL: TYPE IV HIGH-INTENSITY

Emergency Siren



EM-7-DE

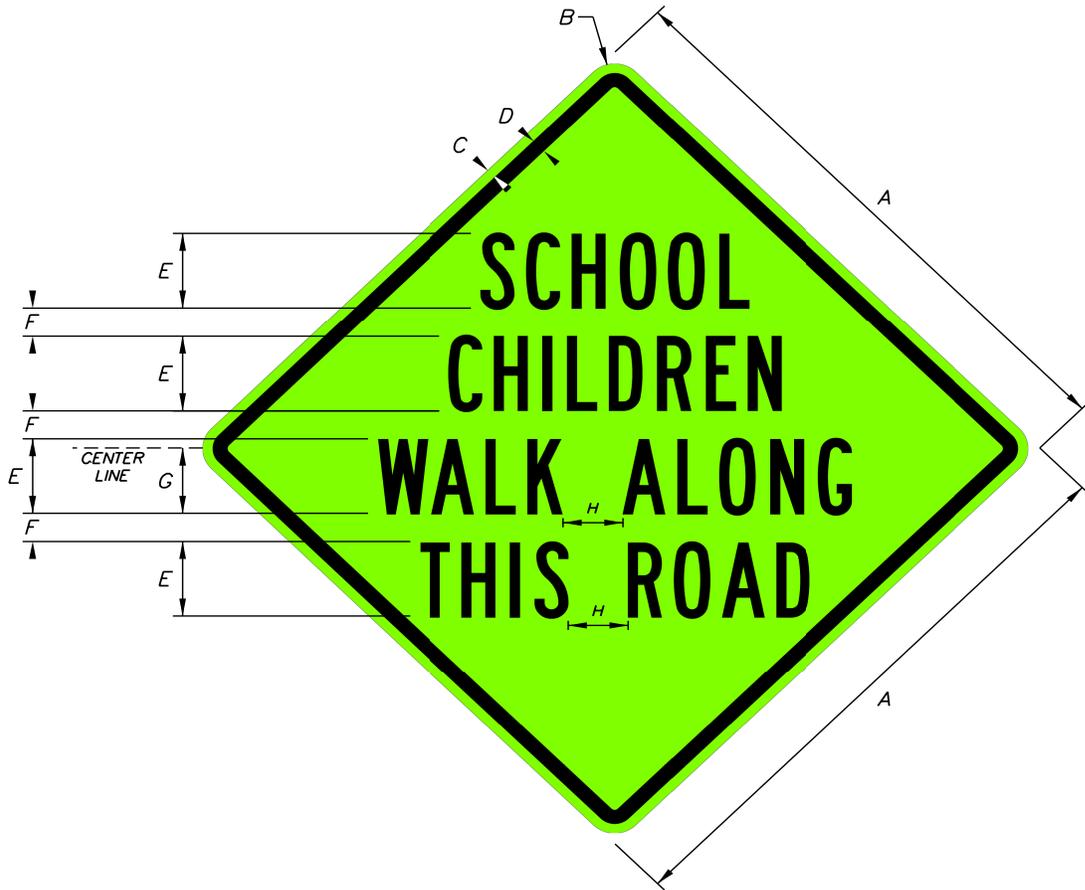


- COLORS:**
- UPPER SECTION LEGEND - BLACK
 - UPPER SECTION BACKGROUND - YELLOW
 - UPPER SECTION CD EMBLEM - BLACK TRIANGLES INSCRIBED IN YELLOW SQUARE PLACED ON BLACK SQUARE
 - LOWER SECTION LEGEND - BLACK
 - LOWER SECTION BACKGROUND - WHITE

MATERIAL: TYPE IV HIGH-INTENSITY

School Children Walk Along This Road

S3-1-DE



S3-1-DE							
A	B	C	D	E	F	G	H
30"	1.5"	0.5"	0.75"	4"B	1.5"	3.5"	3"
36"	2"	0.5"	1"	5"B	1.75"	4.25"	3.5"
48"	2.5"	0.75"	1.25"	6.5"B	2.25"	5.5"	4.5"

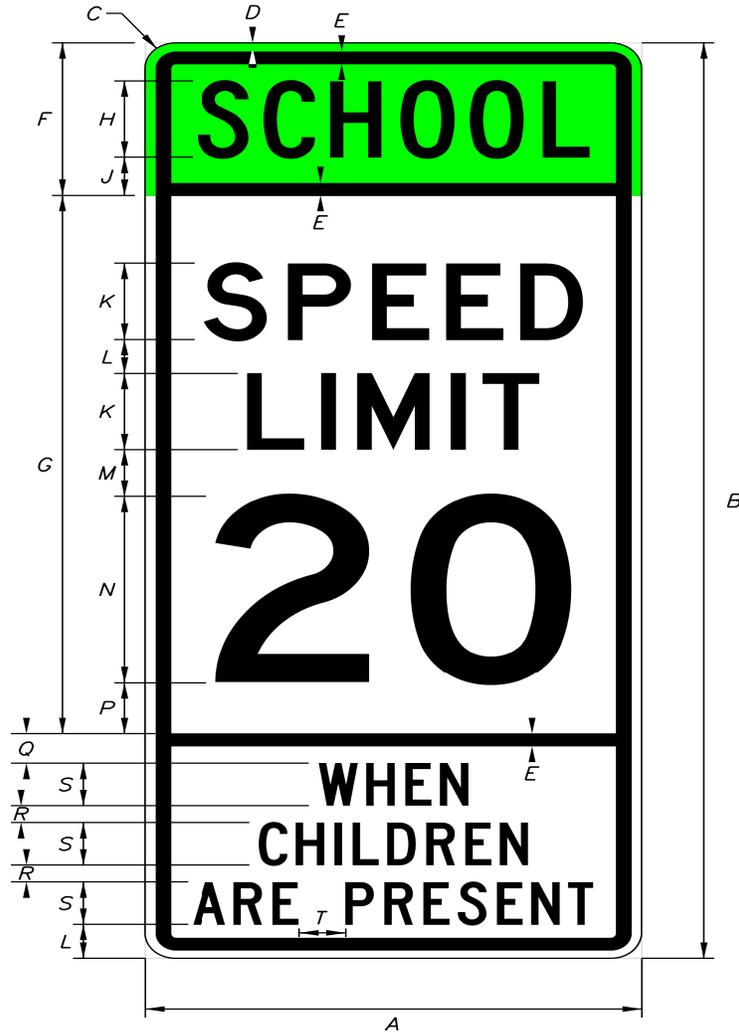
COLORS: LEGEND - BLACK
 BACKGROUND - FLUORESCENT YELLOW GREEN

MATERIAL: TYPE IX (DIAMOND GRADE)



School Speed Limit XX When Children Are Present

S5-1-DE



S5-1-DE								
A	B	C	D	E	F	G	H	J
24"	54"	1.5"	0.5"	0.75"	9"	31.75"	4.5"C	2.25"
36"	84"	2.25"	0.75"	1.125"	14"	49.5"	7"C	3.5"
K	L	M	N	P	Q	R	S	T
4.5"D	2"	2.75"	11"D	3"	1.75"	1"	2.5"C	2.25"
7"D	3.25"	4"	17"D	5"	2.75"	1.5"	4"C	3.25"

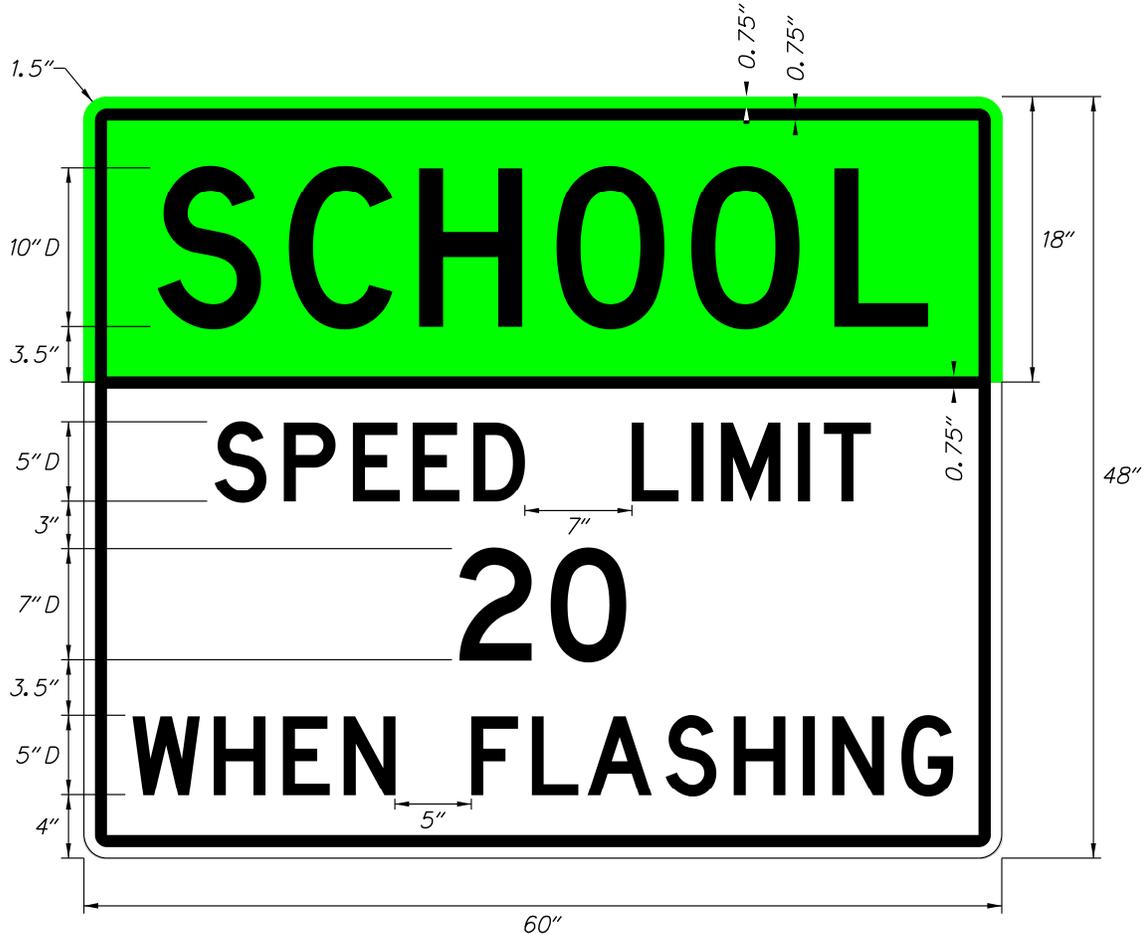
COLORS: LEGEND - BLACK
 BACKGROUND - FLUORESCENT YELLOW GREEN (TOP SECTION)
 & WHITE (BOTTOM SECTION)

MATERIAL: TYPE IX (DIAMOND GRADE)



School Speed Limit XX When Flashing
(Overhead Use Only)

S5-3-DE



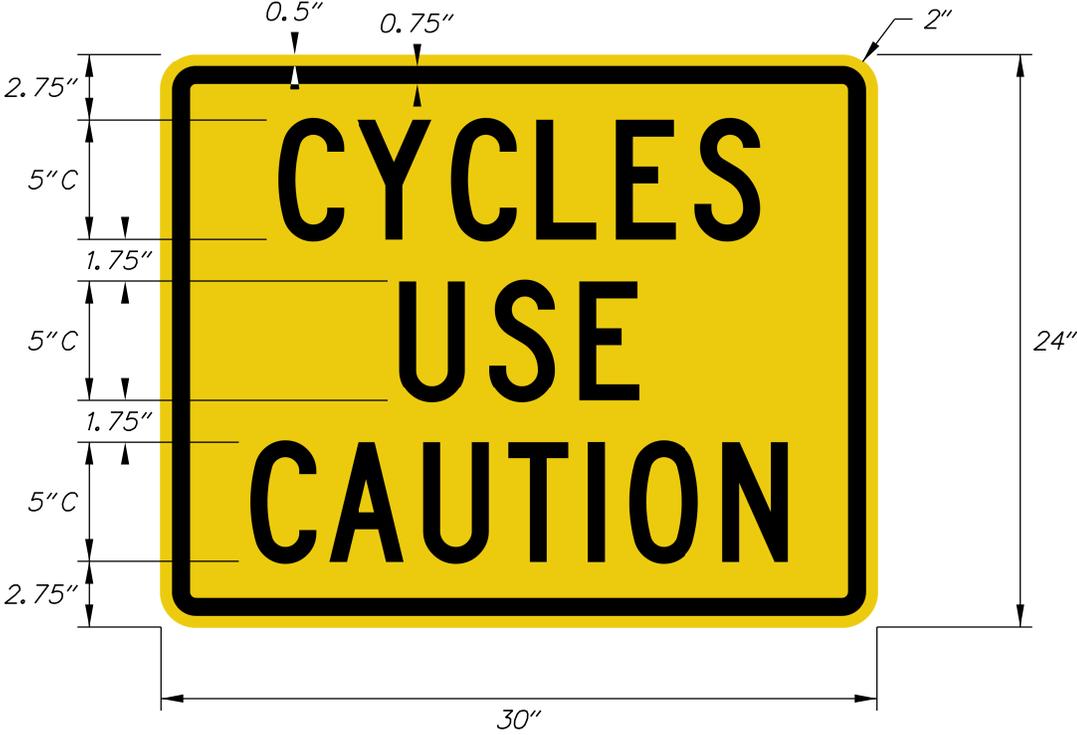
COLORS: LEGEND - BLACK
BACKGROUND - FLUORESCENT YELLOW GREEN (TOP SECTION)
& WHITE (BOTTOM SECTION)

MATERIAL: TYPE IX (DIAMOND GRADE)

Cycles Use Caution



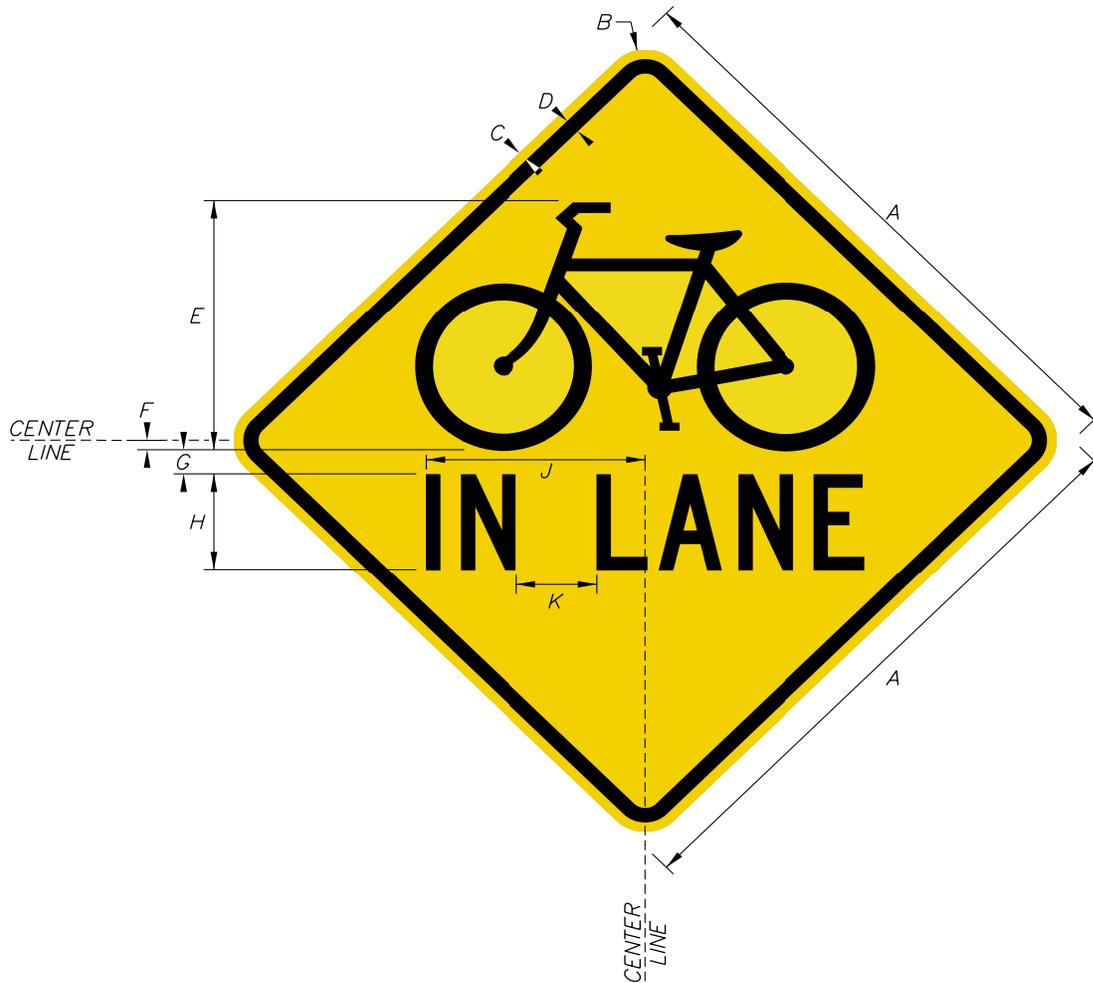
W10-12P-DE



COLORS: LEGEND, BORDER - BLACK
BACKGROUND - YELLOW

MATERIAL: TYPE IV HIGH-INTENSITY

Bicycle in Lane W11-1-DE



W11-1-DE									
A	B	C	D	E	F	G	H	J	K
18"	1.25"	0.25"	0.5"	7.75"	0.3"	0.75"	3"C	6.5"	2.5"
24"	1.5"	0.375"	0.625"	10.5"	0.4"	1"	4"C	8.675"	3.25"
30"	2"	0.5"	0.75"	13"	0.5"	1.25"	5"C	10.85"	4"
36"	2.5"	0.625"	1"	15.5"	0.6"	1.5"	6"C	13"	4.75"
48"	3.25"	0.75"	1.25"	20.75"	0.8"	2"	8"C	17.375"	6.5"

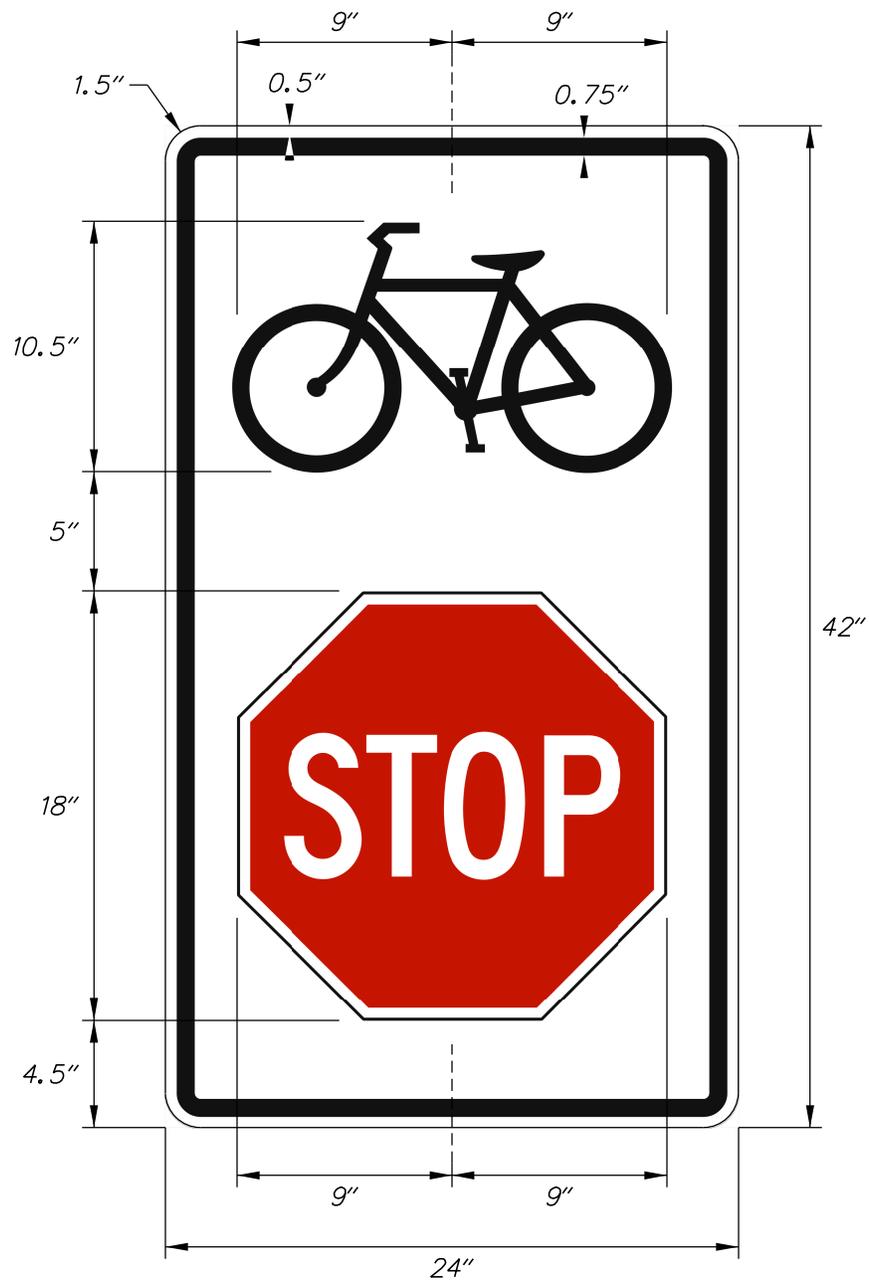
COLORS: LEGEND, BORDER - BLACK
BACKGROUND - YELLOW

MATERIAL: TYPE IV HIGH-INTENSITY



Stop (Shared-Use Path Only)

SR1-16-DE



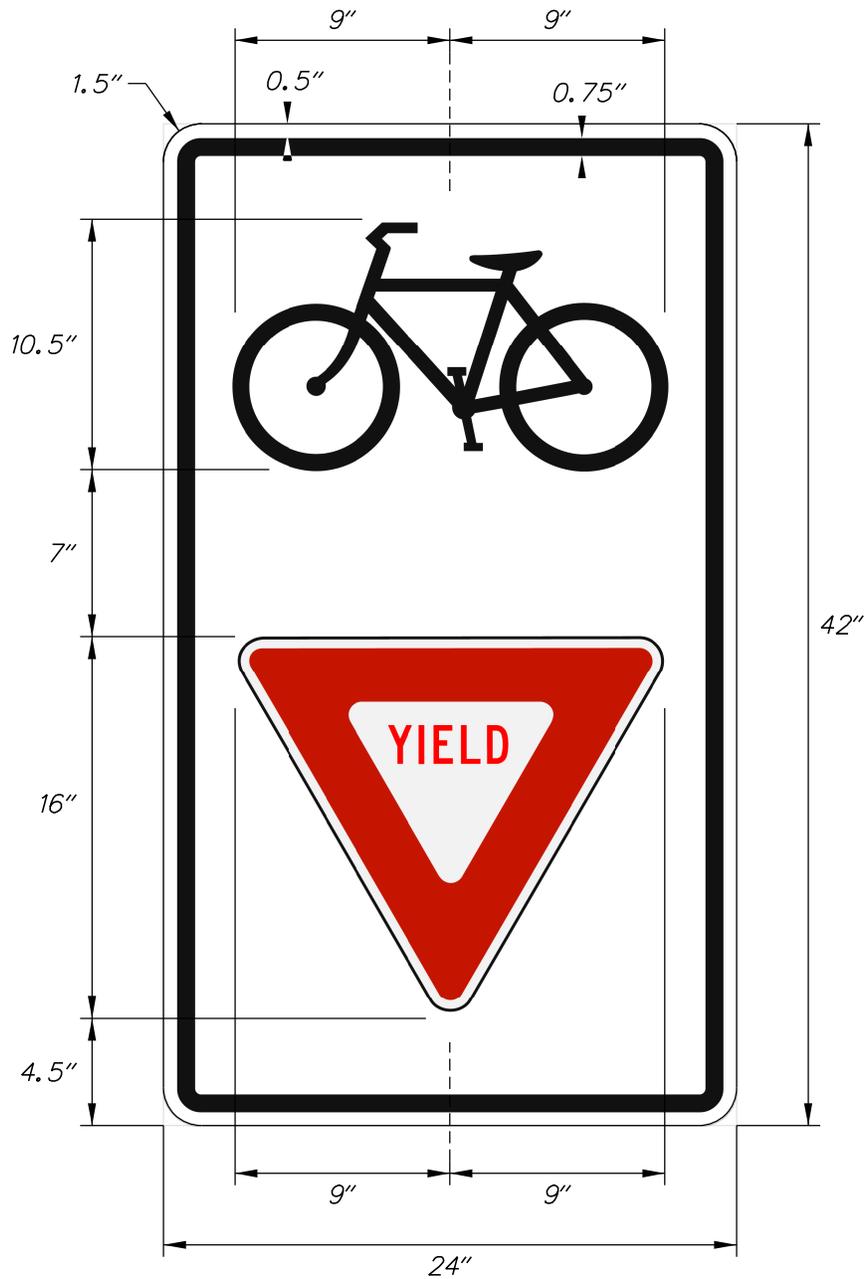
- COLORS:**
- | | |
|--------------------------|---------------------------|
| LEGEND, BORDER | - BLACK |
| BACKGROUND | - WHITE (RETROREFLECTIVE) |
| STOP SIGN LEGEND, BORDER | - RED (RETROREFLECTIVE) |
| STOP SIGN BACKGROUND | - WHITE (RETROREFLECTIVE) |

MATERIAL: TYPE IV HIGH-INTENSITY



Yield (Shared-Use Path Only)

SR1-17-DE



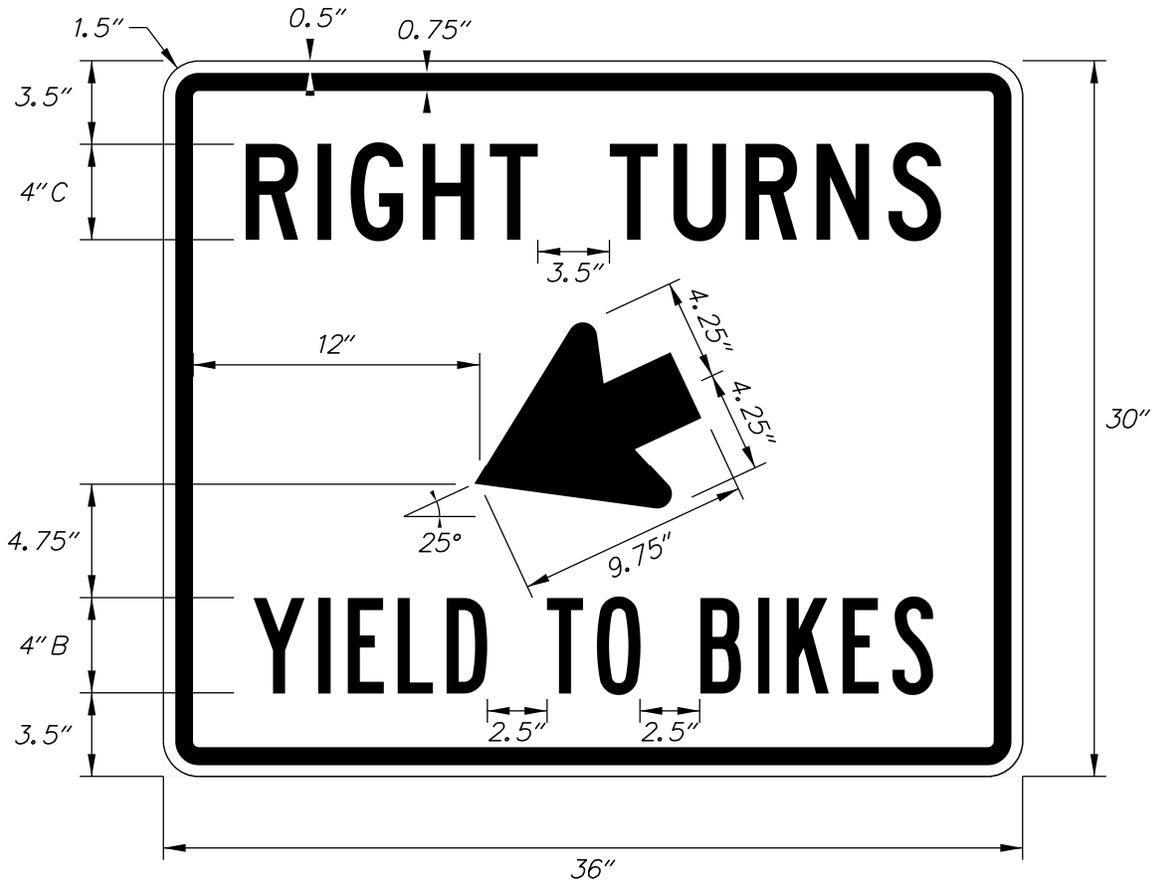
- COLORS:**
- | | |
|--------------------------|---------------------------|
| LEGEND, BORDER | - BLACK |
| BACKGROUND | - WHITE (RETROREFLECTIVE) |
| STOP SIGN LEGEND, BORDER | - RED (RETROREFLECTIVE) |
| STOP SIGN BACKGROUND | - WHITE (RETROREFLECTIVE) |

MATERIAL: TYPE IV HIGH-INTENSITY



Right Turns Yield To Bikes

R4-4-DE



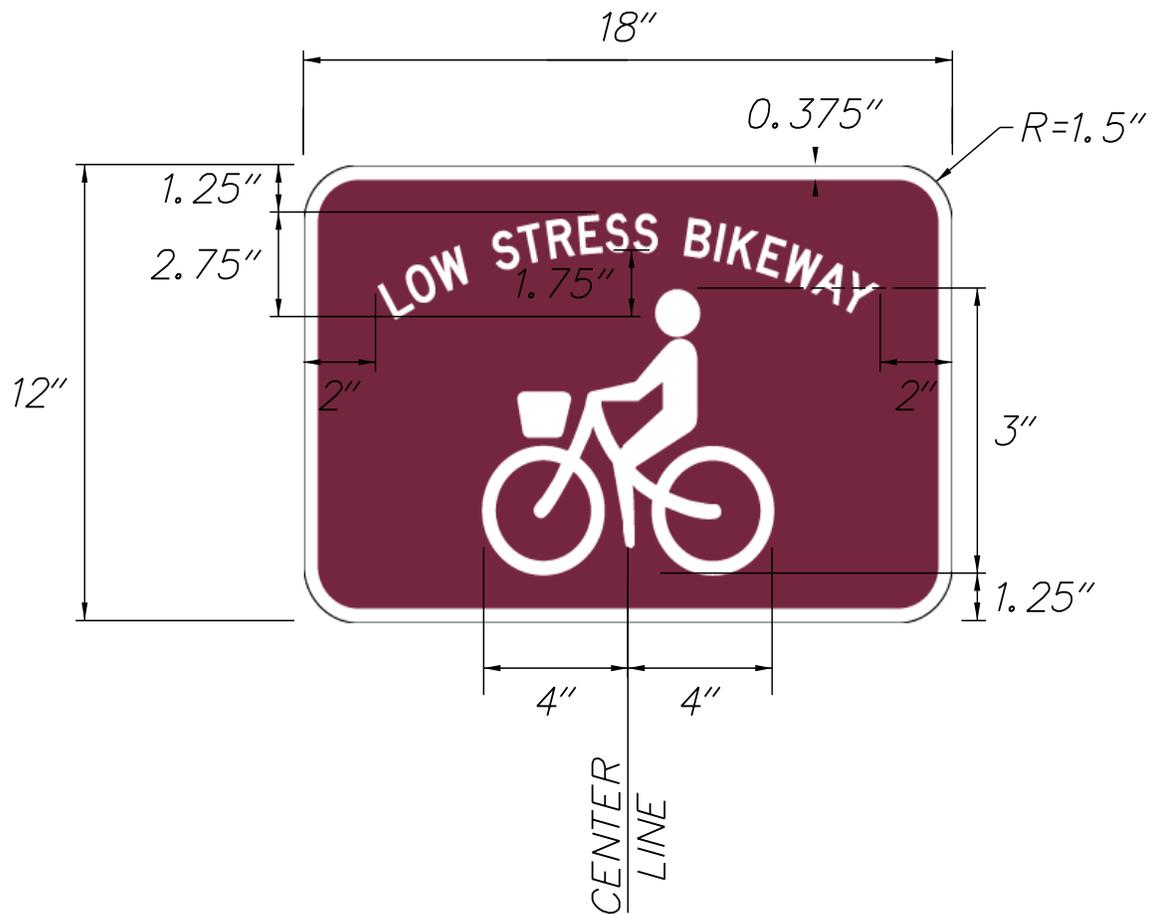
COLORS: LEGEND, BORDER - BLACK
BACKGROUND - WHITE

MATERIAL: TYPE IV HIGH-INTENSITY



Low Stress Bikeways

D11-1-DE

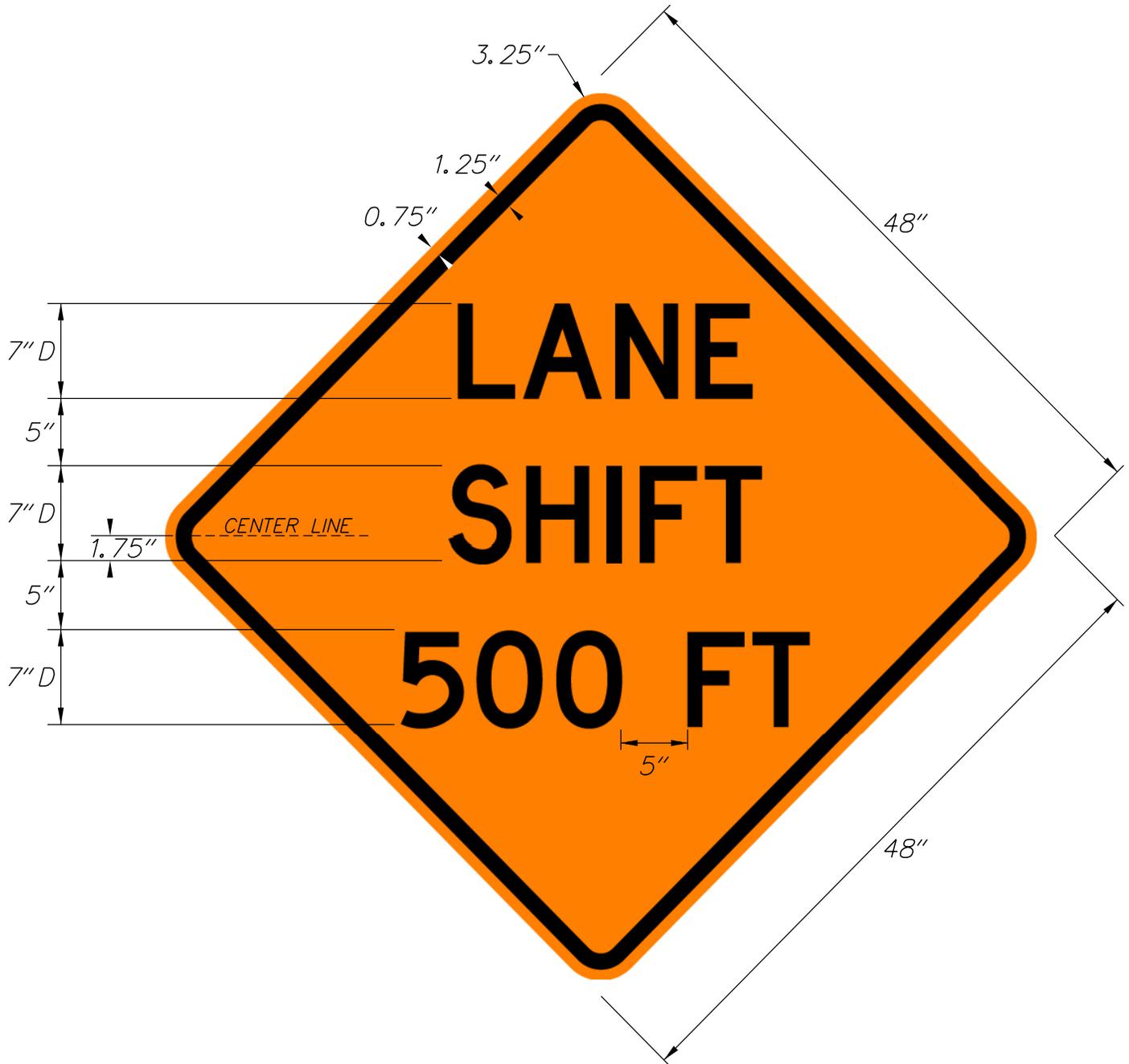


"LOW STRESS BIKEWAY" = 1" D-SERIES

COLORS: LEGEND, BORDER - WHITE
BACKGROUND - MAROON (PANTONE 209C)

MATERIAL: TYPE I (ENGINEERING GRADE)

Lane Shift
W1-4-DE

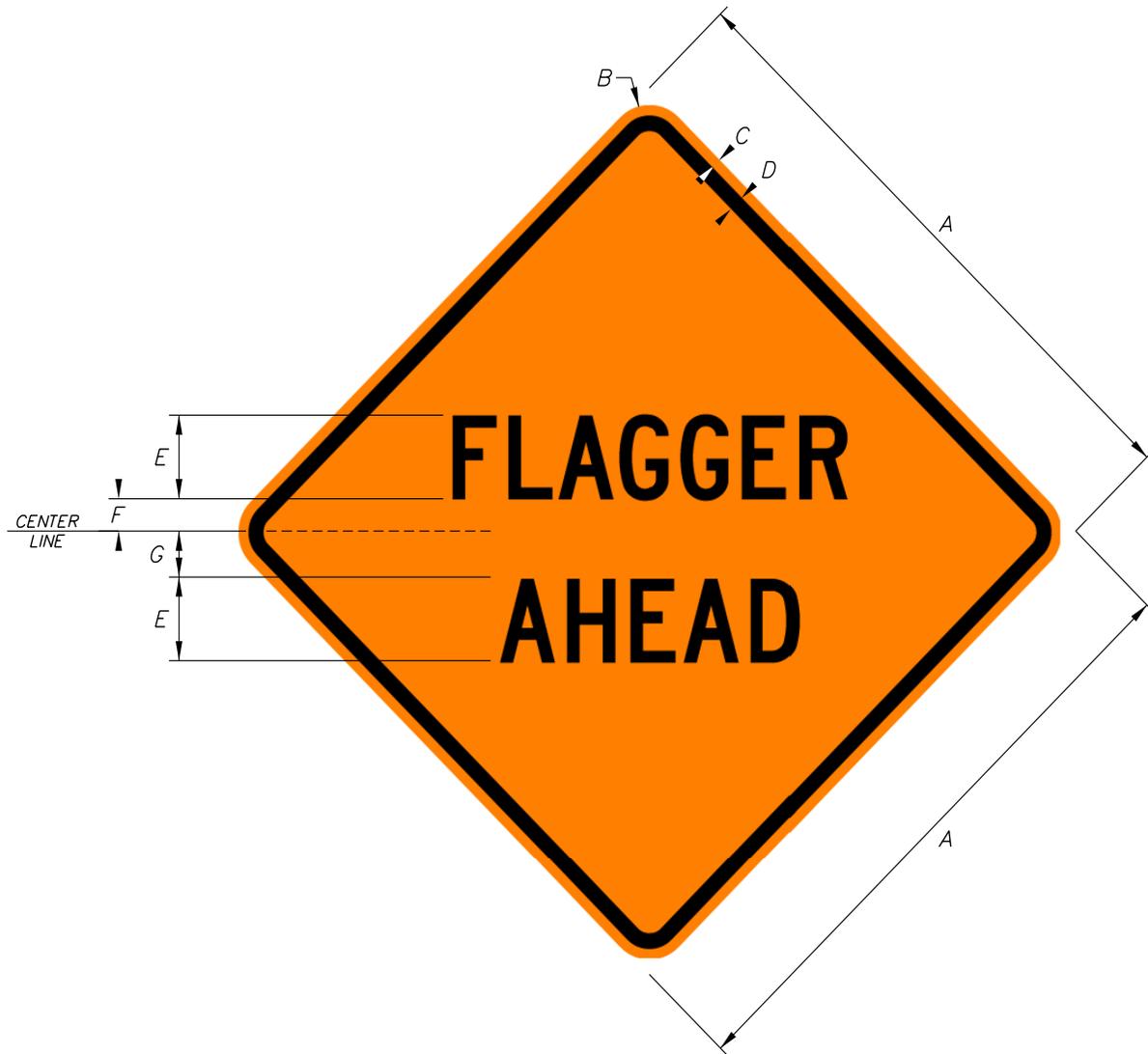


COLORS: LEGEND, BORDER - BLACK
BACKGROUND - ORANGE

MATERIAL: TYPE IX (DIAMOND GRADE)

Flagger Ahead

W20-7-DE



W20-7-DE						
A	B	C	D	E	F	G
30"	2"	0.5"	0.75"	4"D	1.5"	2.25"
48"	3.25"	0.75"	1.25"	7"D	2.5"	3.75"

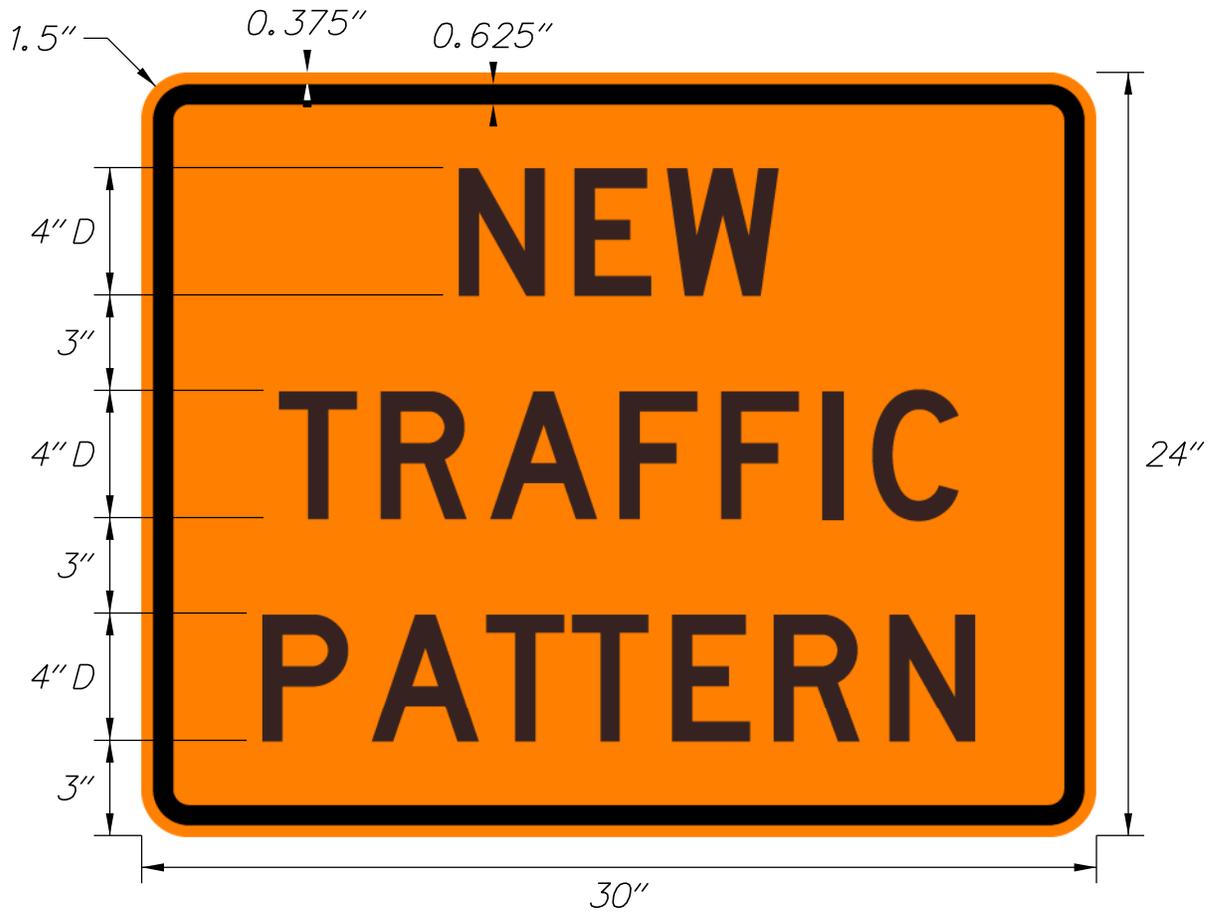
COLORS: LEGEND, BORDER - BLACK
BACKGROUND - ORANGE

MATERIAL: TYPE IX (DIAMOND GRADE)



New Traffic Pattern

W23-2P-DE



COLORS: LEGEND, BORDER - BLACK
BACKGROUND - ORANGE

MATERIAL: TYPE IX (DIAMOND GRADE)

Wet Road
W25-1-DE



COLORS: LEGEND, BORDER - BLACK
BACKGROUND - ORANGE

MATERIAL: TYPE IX (DIAMOND GRADE)

Wet Road Paint (plaque)

W25-1-DE1

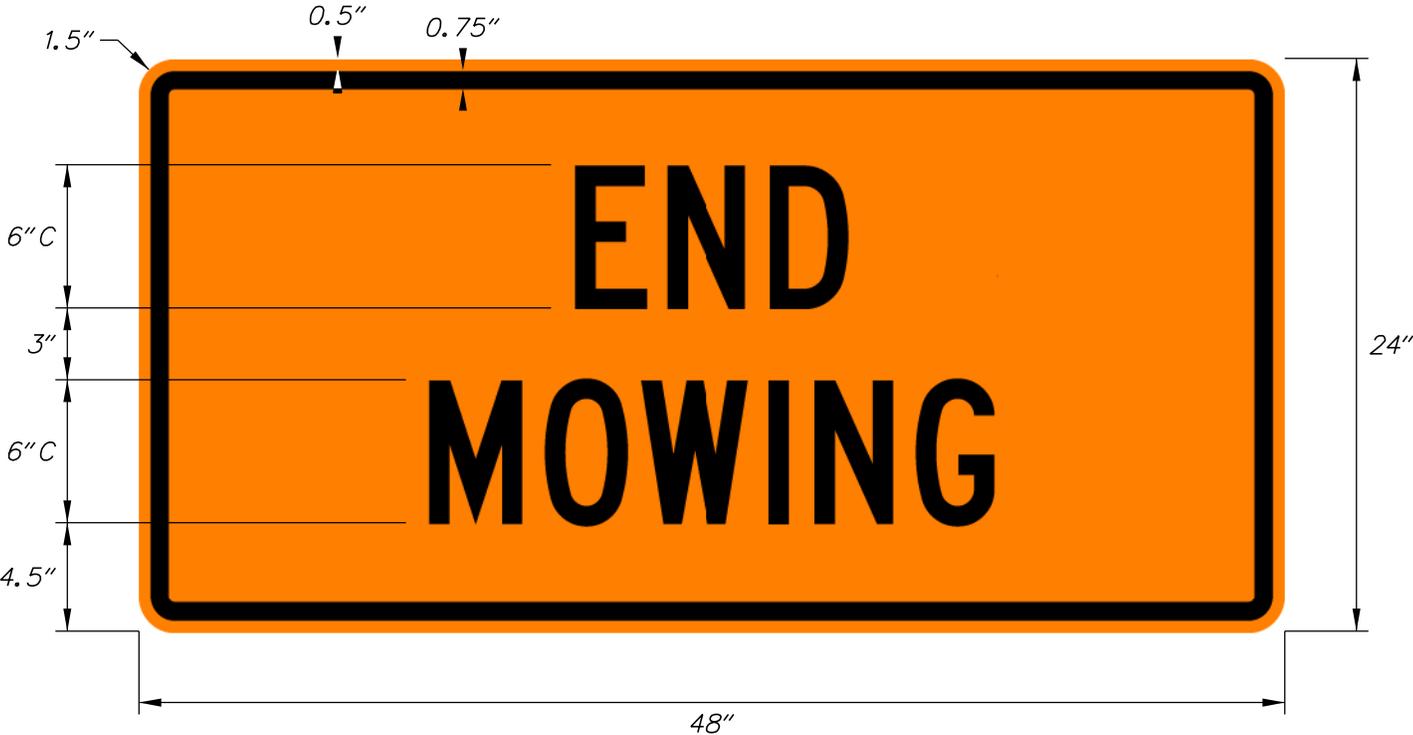


COLORS: LEGEND, BORDER - BLACK
BACKGROUND - ORANGE

MATERIAL: TYPE IX (DIAMOND GRADE)

End Mowing

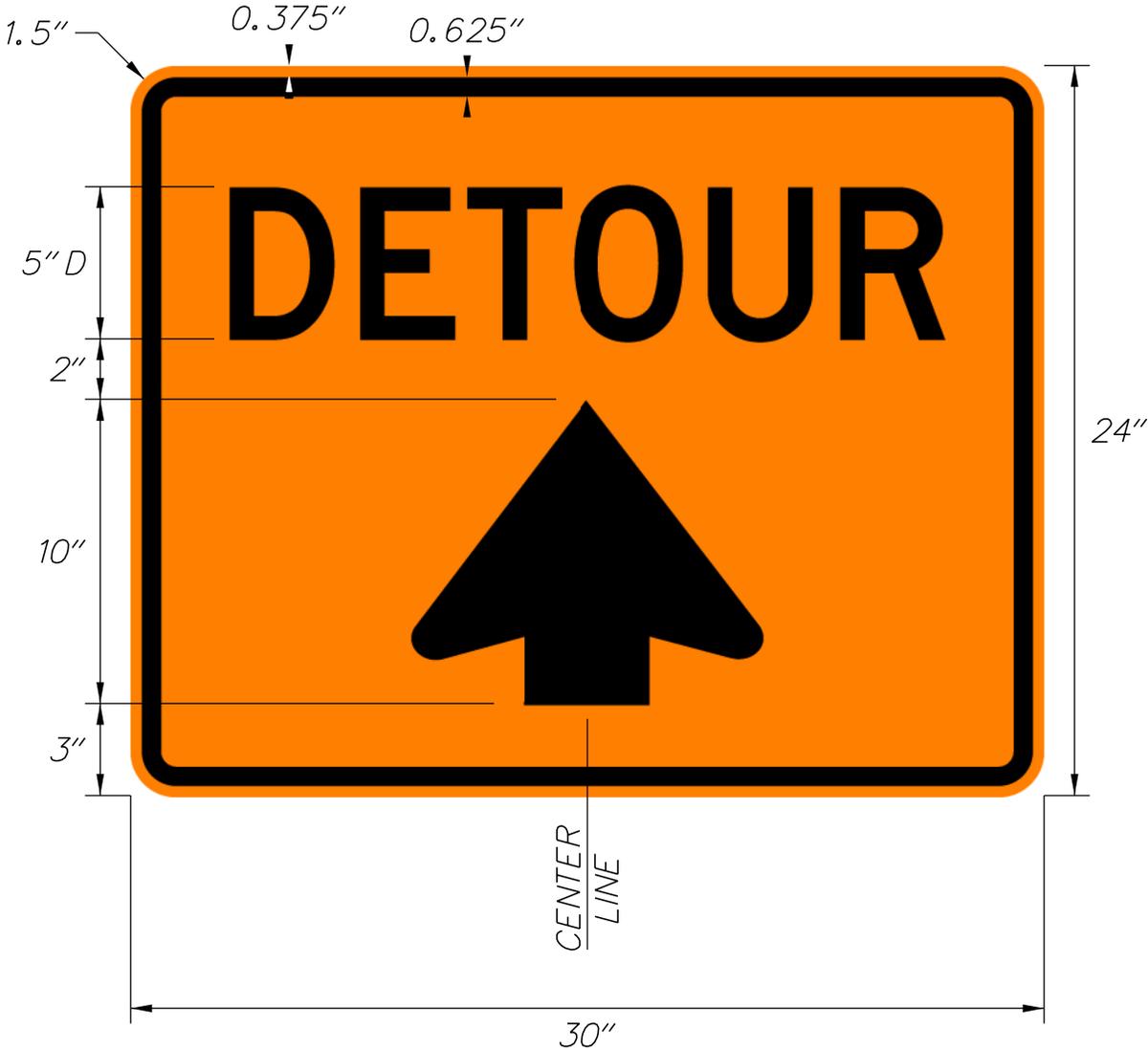
G20-2-DE



COLORS: LEGEND, BORDER - BLACK
BACKGROUND - ORANGE

MATERIAL: TYPE IX (DIAMOND GRADE)

Detour
M4-9-DE

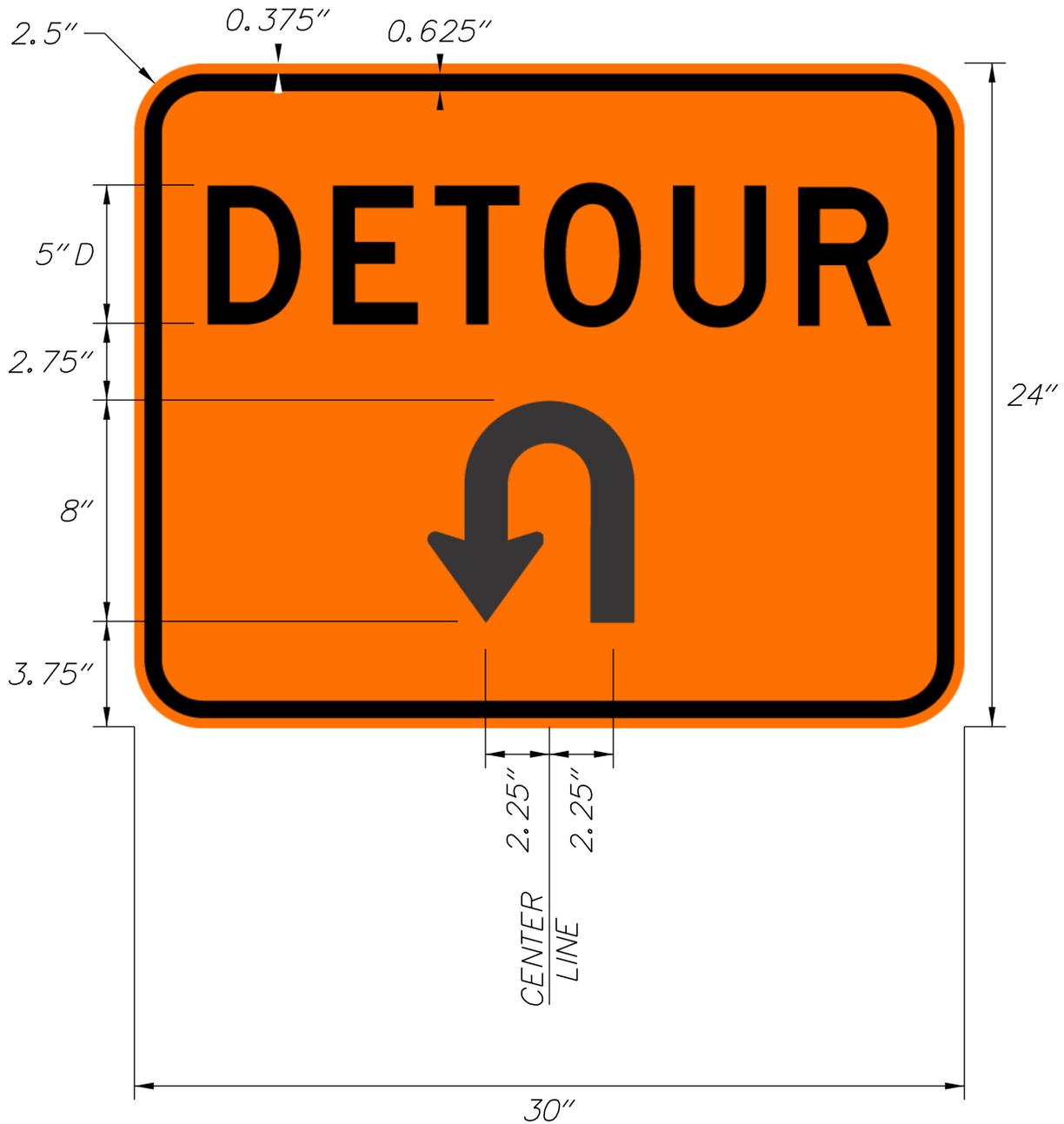


COLORS: LEGEND, BORDER - BLACK
BACKGROUND - ORANGE

MATERIAL: TYPE IX (DIAMOND GRADE)

Detour (U-turn arrow)

M4-9-DE1



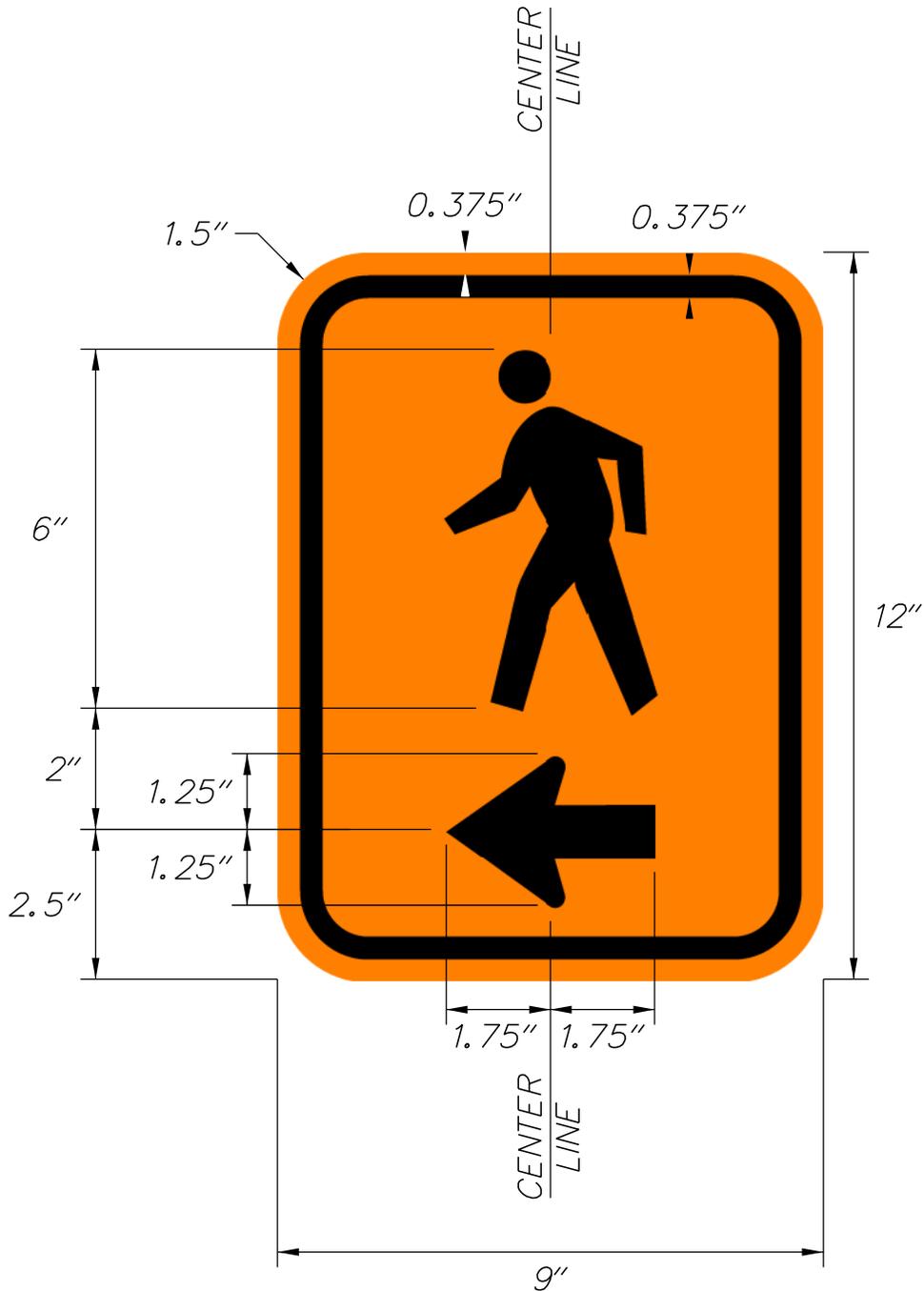
COLORS: LEGEND, BORDER - BLACK
BACKGROUND - ORANGE

MATERIAL: TYPE IX (DIAMOND GRADE)



Detour (Pedestrian)

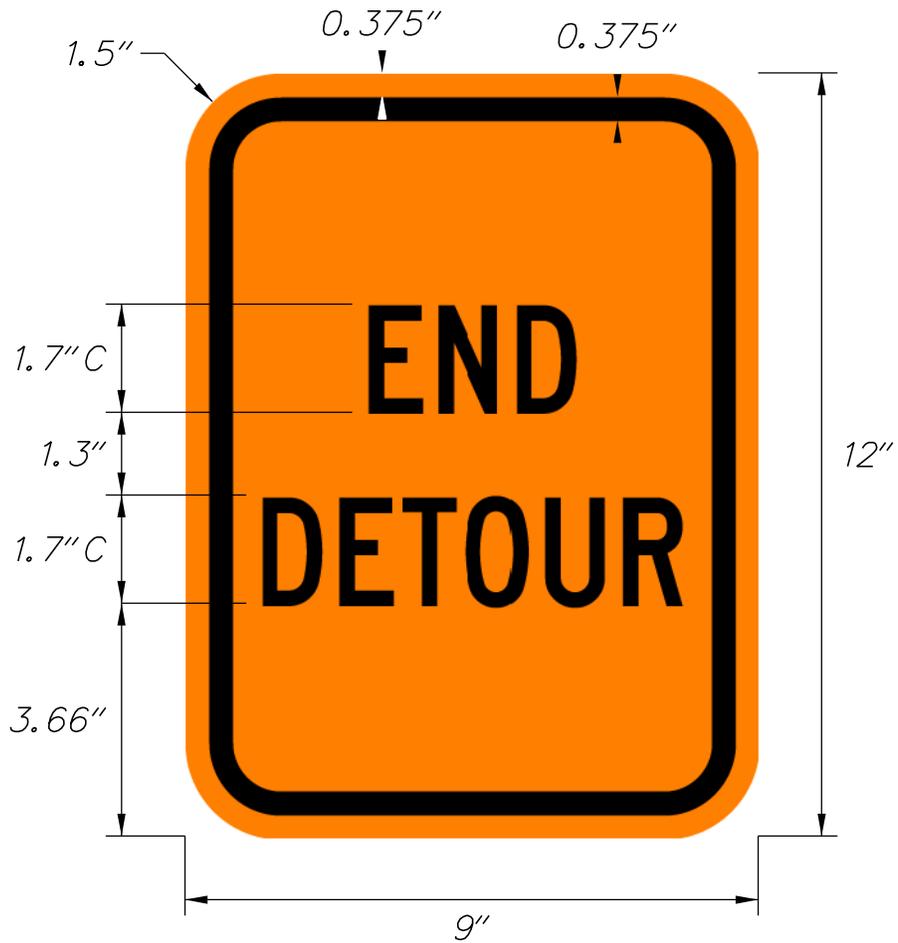
M4-9b-DE



COLORS: LEGEND, BORDER - BLACK
BACKGROUND - ORANGE

MATERIAL: TYPE IX (DIAMOND GRADE)

Detour End
M4-9b-DE1



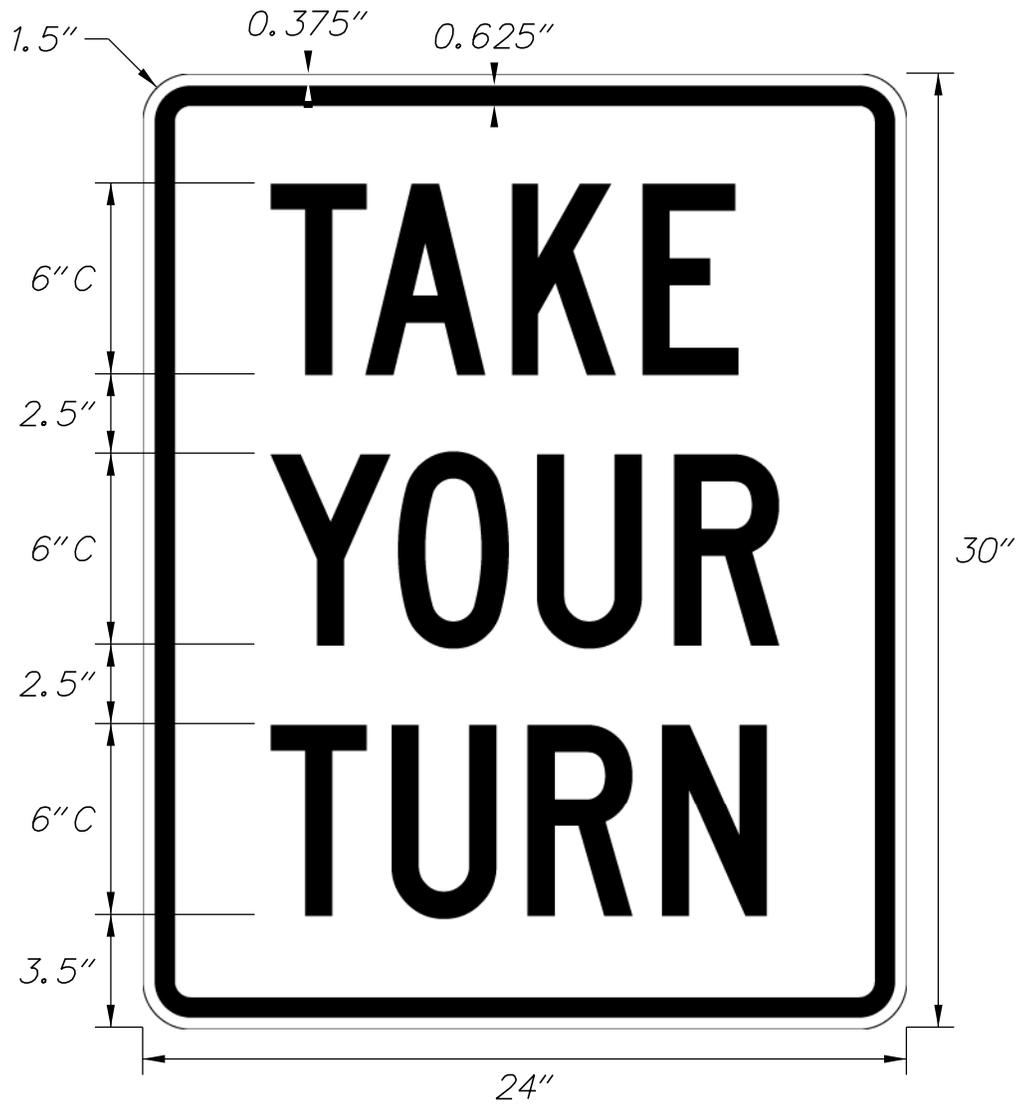
COLORS: LEGEND, BORDER - BLACK
BACKGROUND - ORANGE

MATERIAL: TYPE IX (DIAMOND GRADE)



Take Your Turn

R1-10P-DE



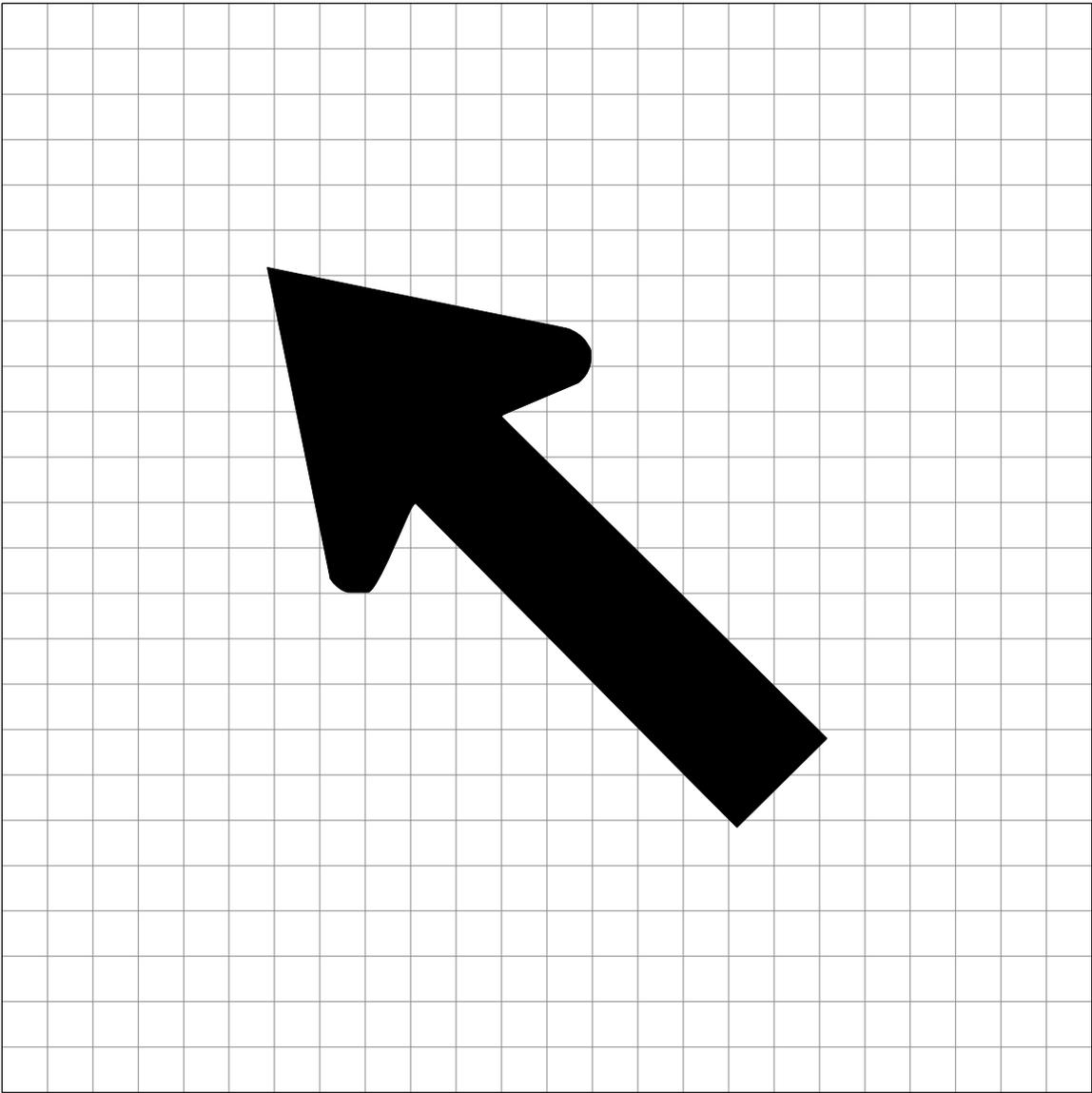
COLORS: LEGEND, BORDER - BLACK
BACKGROUND - WHITE

MATERIAL: TYPE IV HIGH-INTENSITY

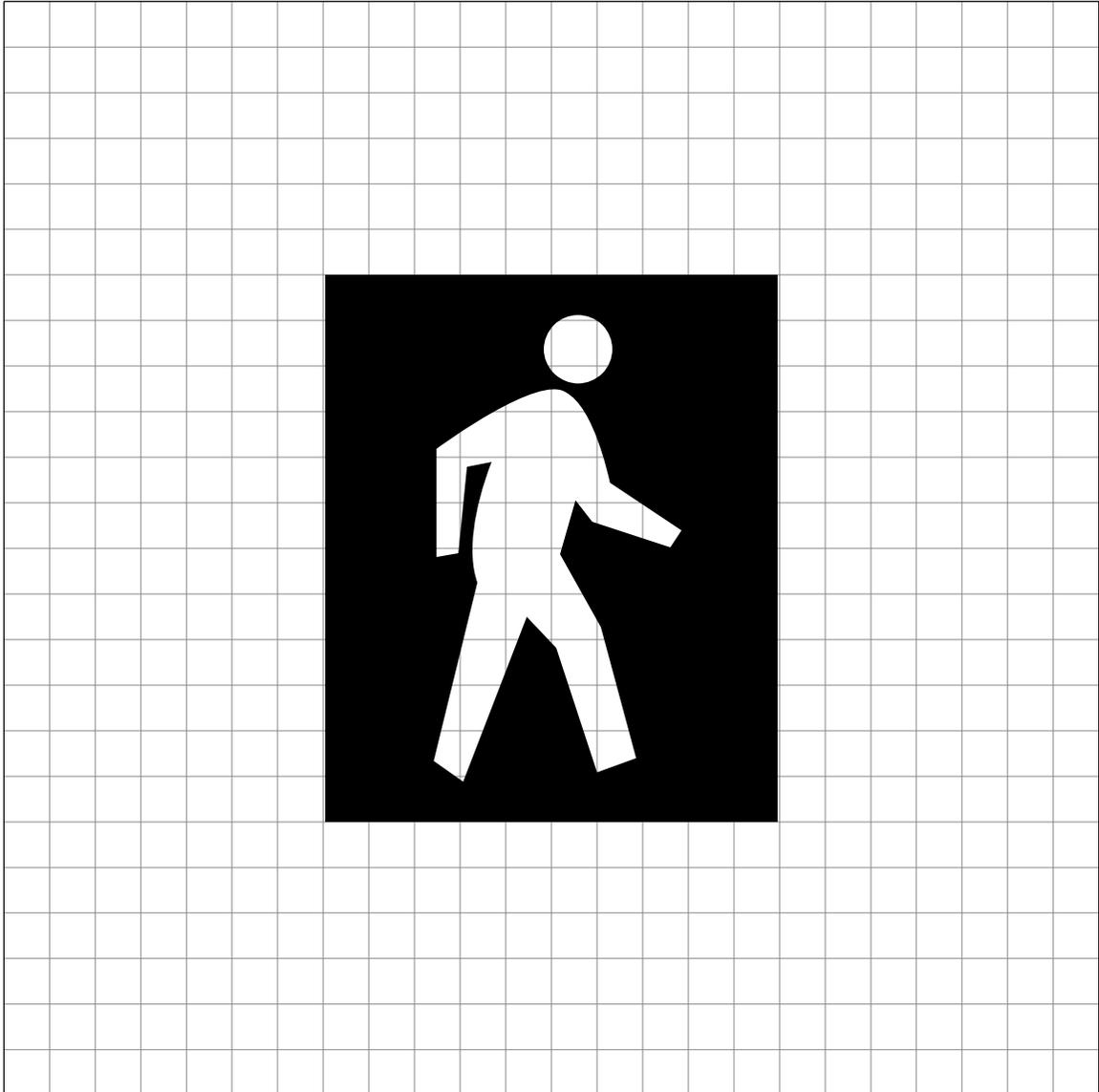
APPENDIX

The Appendix contains symbols and graphics laid out on a square grid. A grid is provided as a reference to ensure proportional relationship, not exact measurement. Additionally, Appendix contains detailed design procedure on how to size and properly layout Street Blade (D3-1), Destination Guide (D1-1), Advance Street Blade (W16-8) signs and decals.

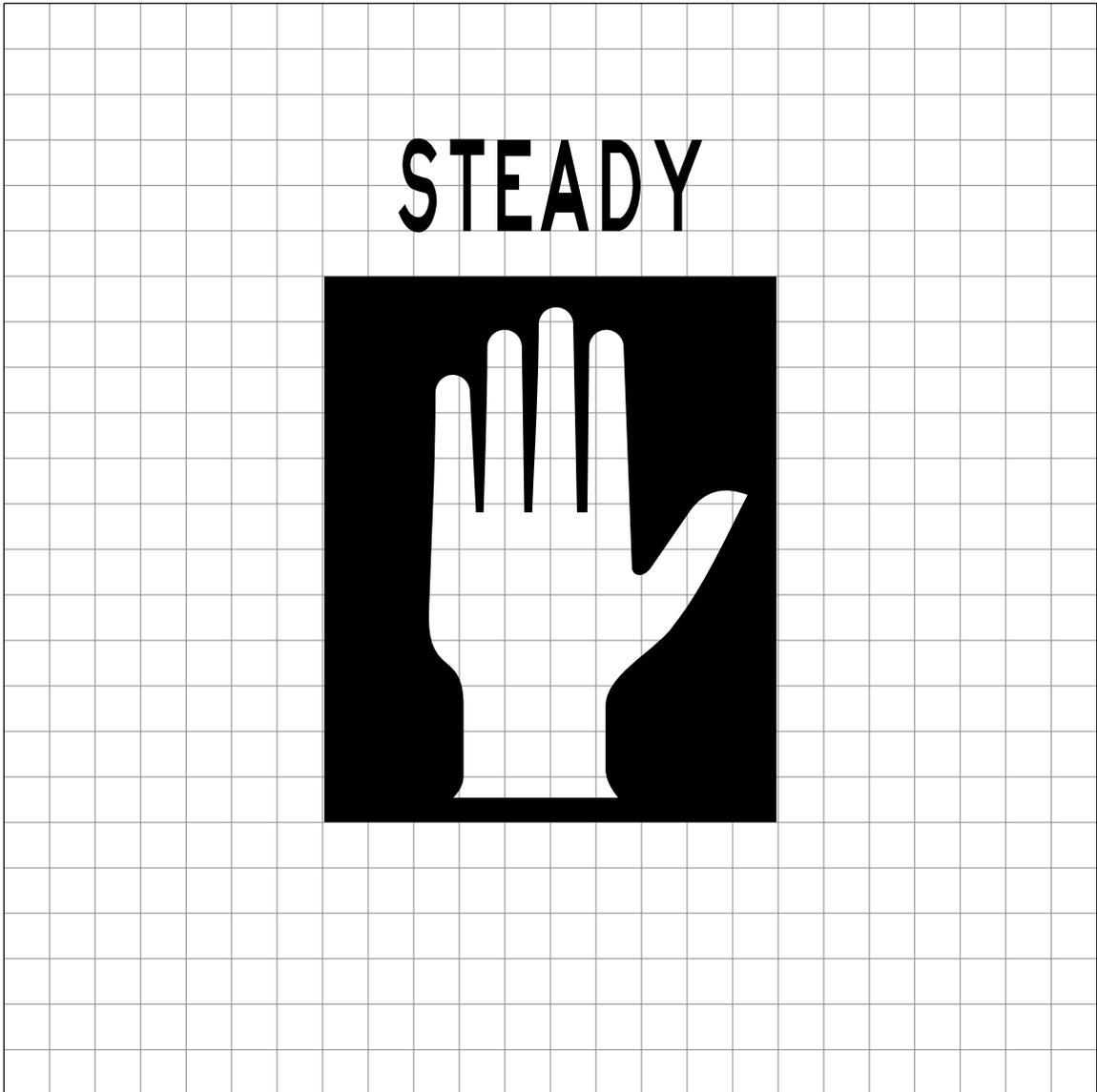
R3-20-DE
ARROW (45 DEGREES)



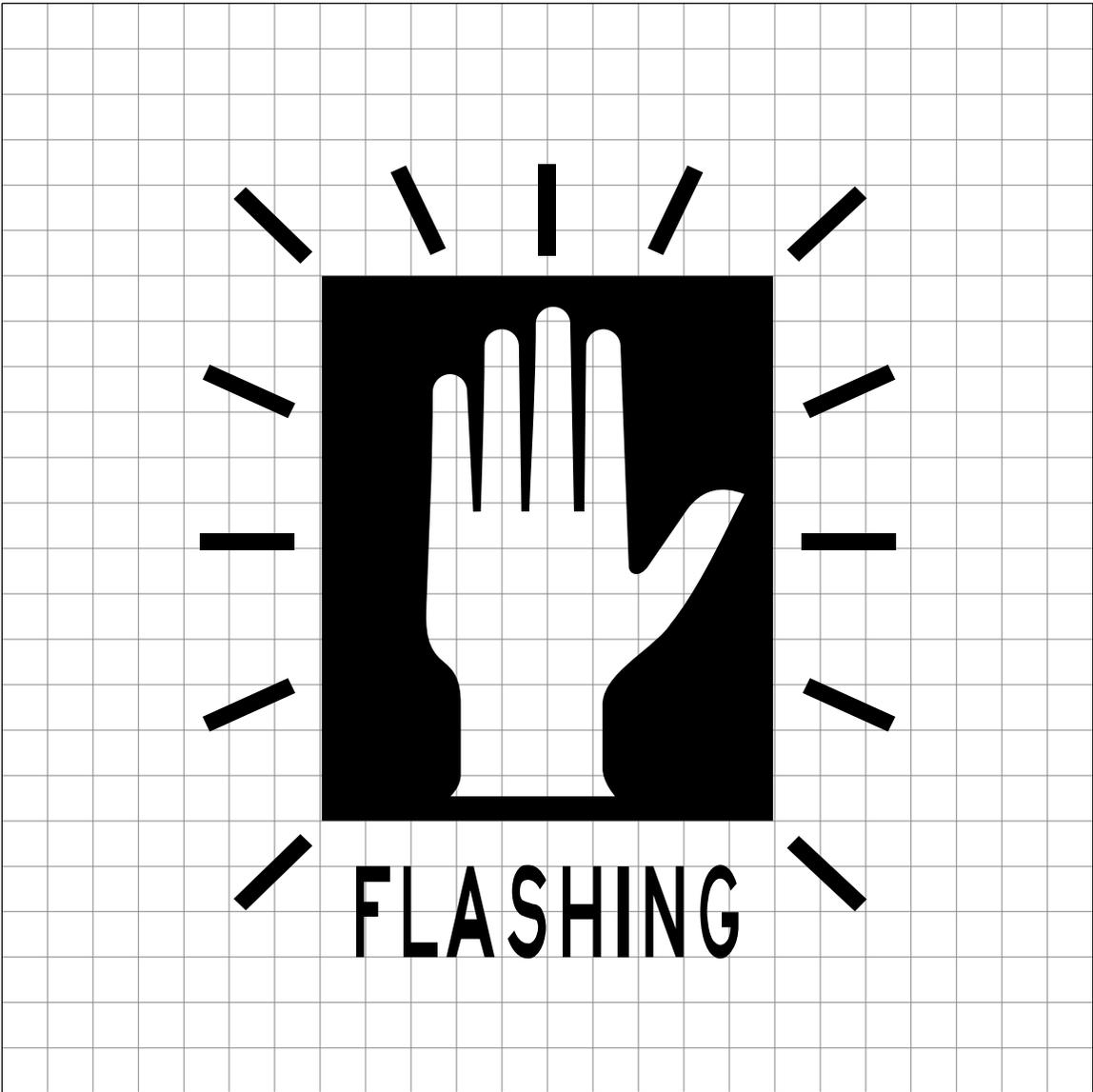
R10-3x-DEx
PEDESTRIAN SYMBOL



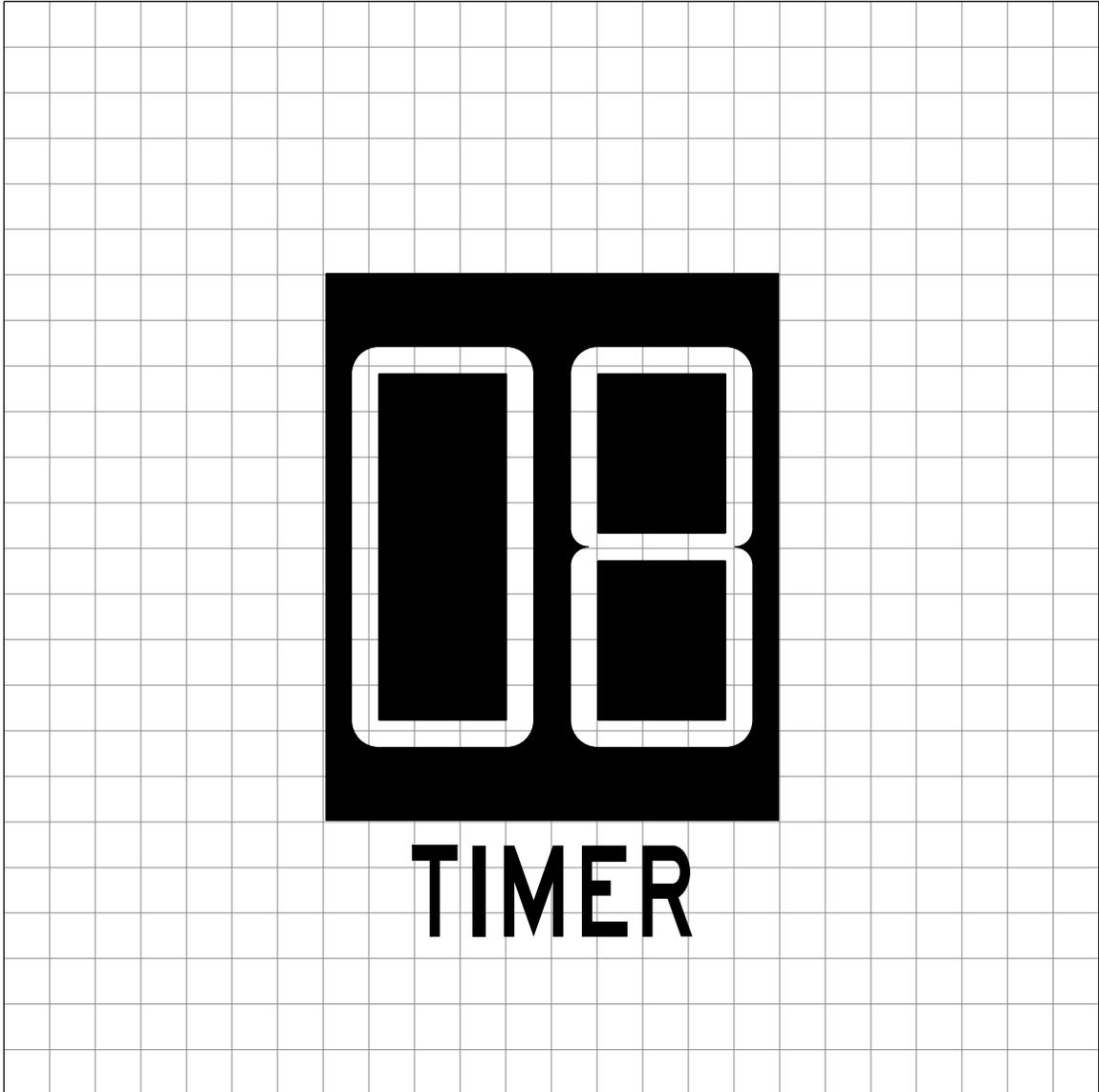
R10-3x-DEx
HAND SYMBOL (STEADY)



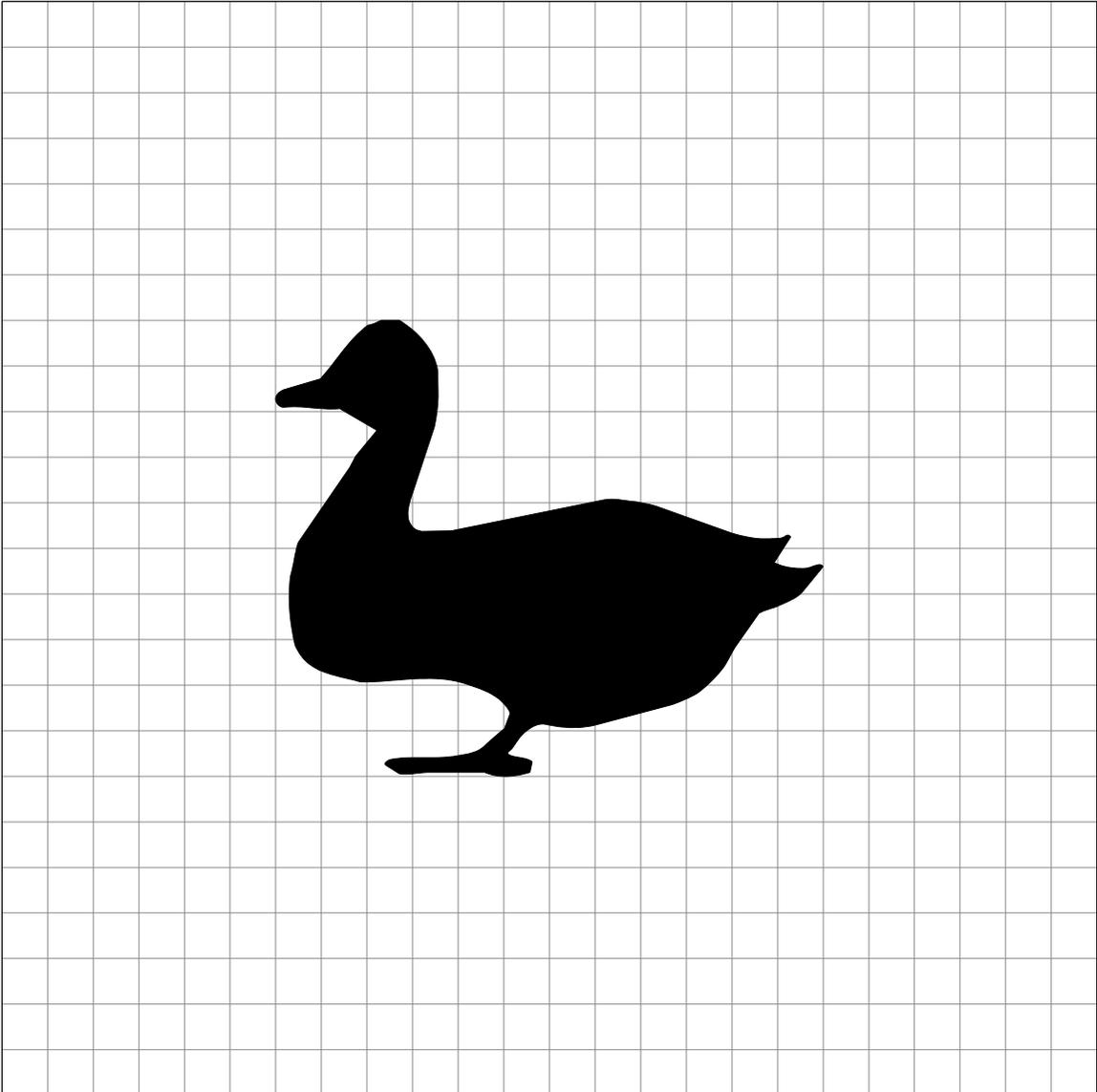
R10-3x-DEx
HAND SYMBOL (FLASHING)



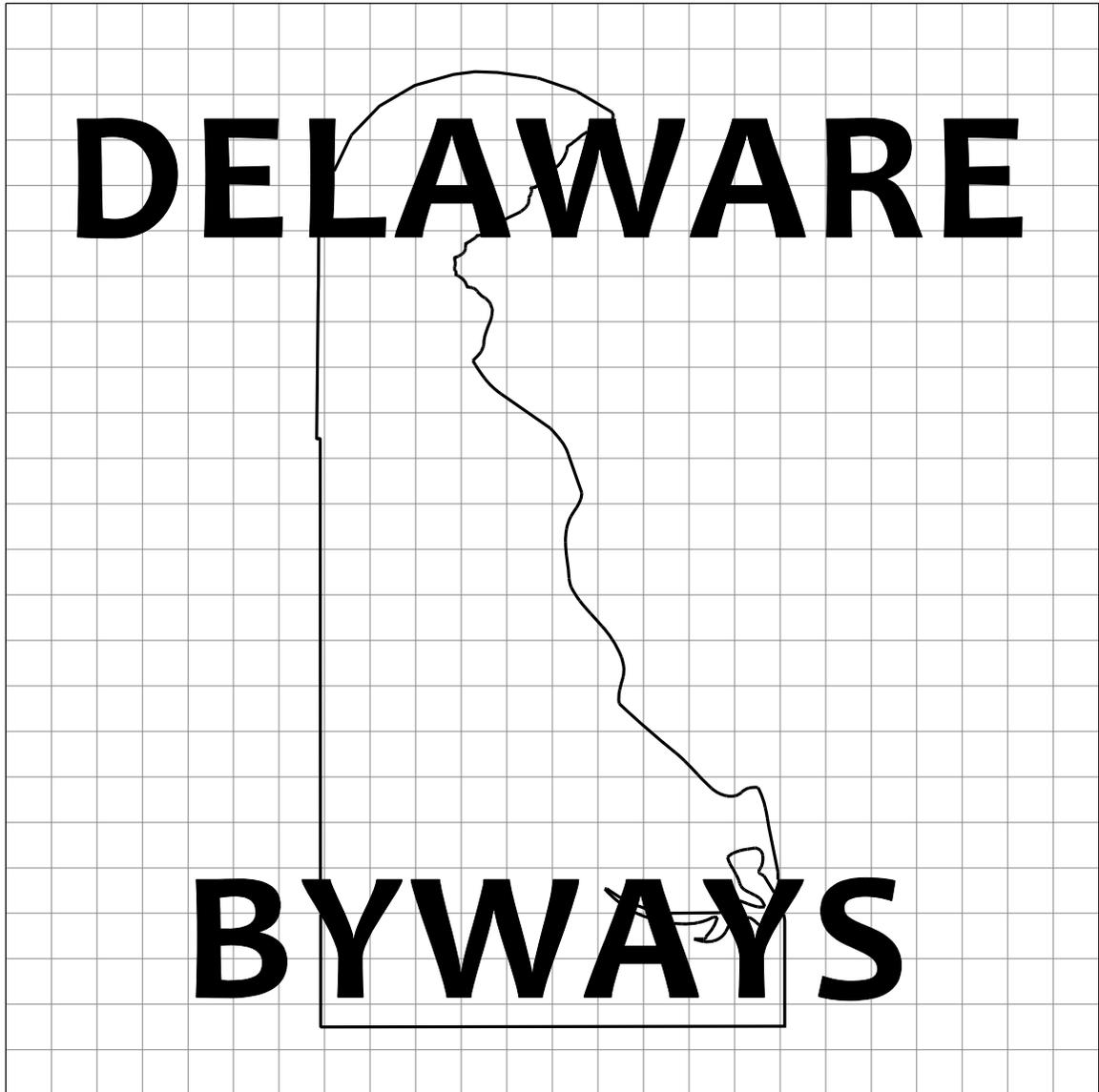
R10-3e-DEx
COUNTDOWN SYMBOL



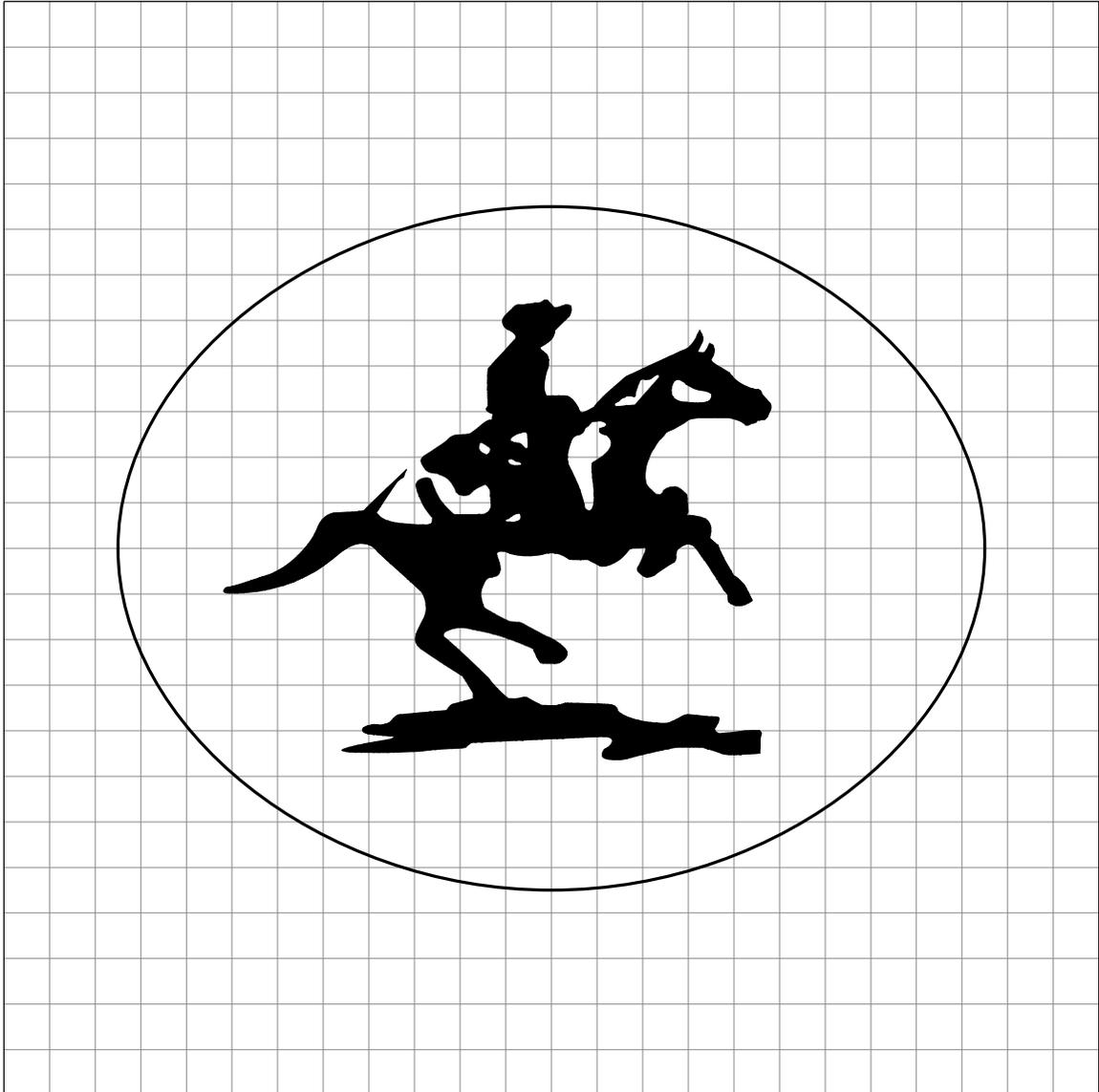
W11-3-DE
DUCK SYMBOL



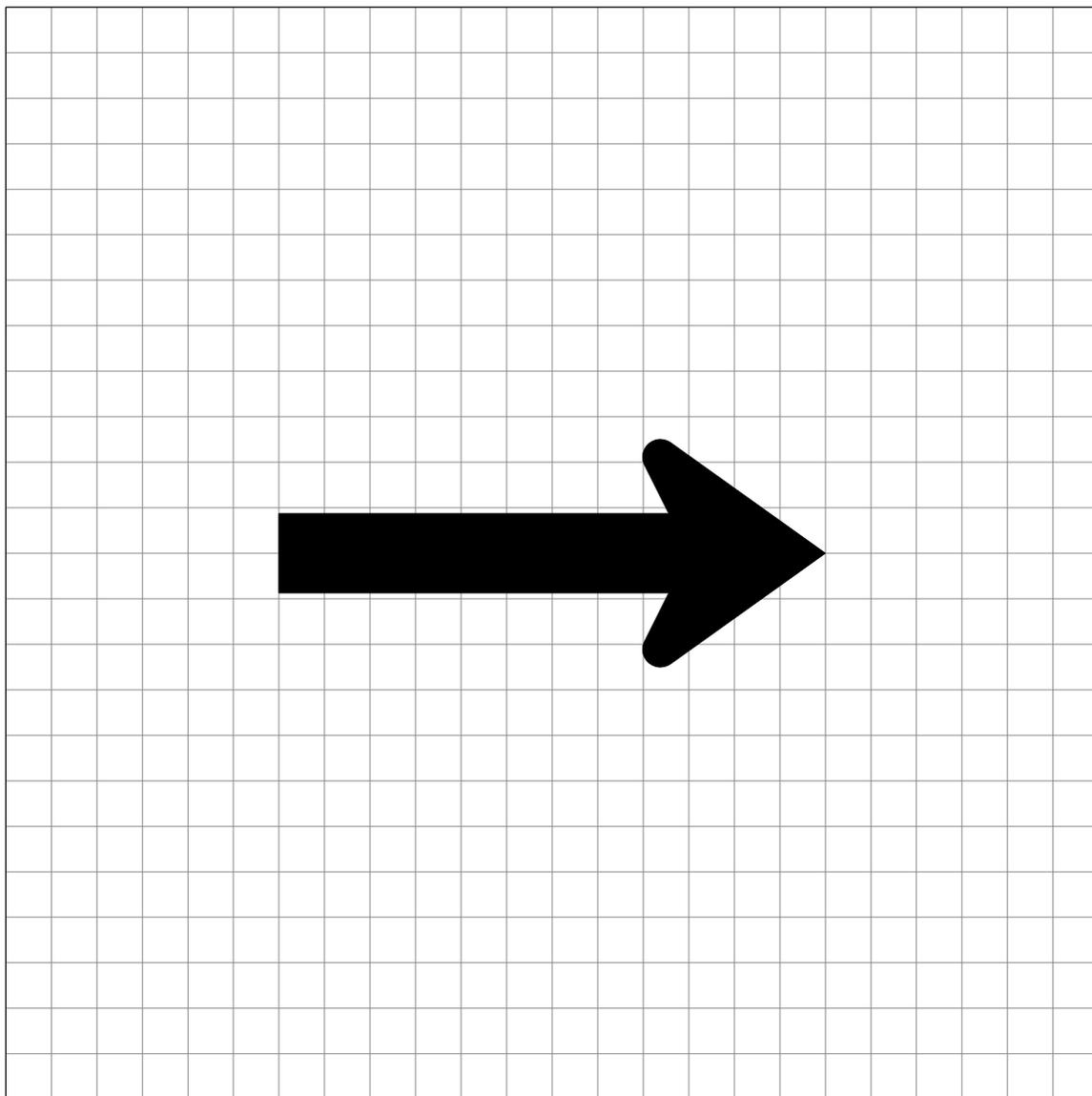
D14-4-DE
DE BYWAYS LOGO



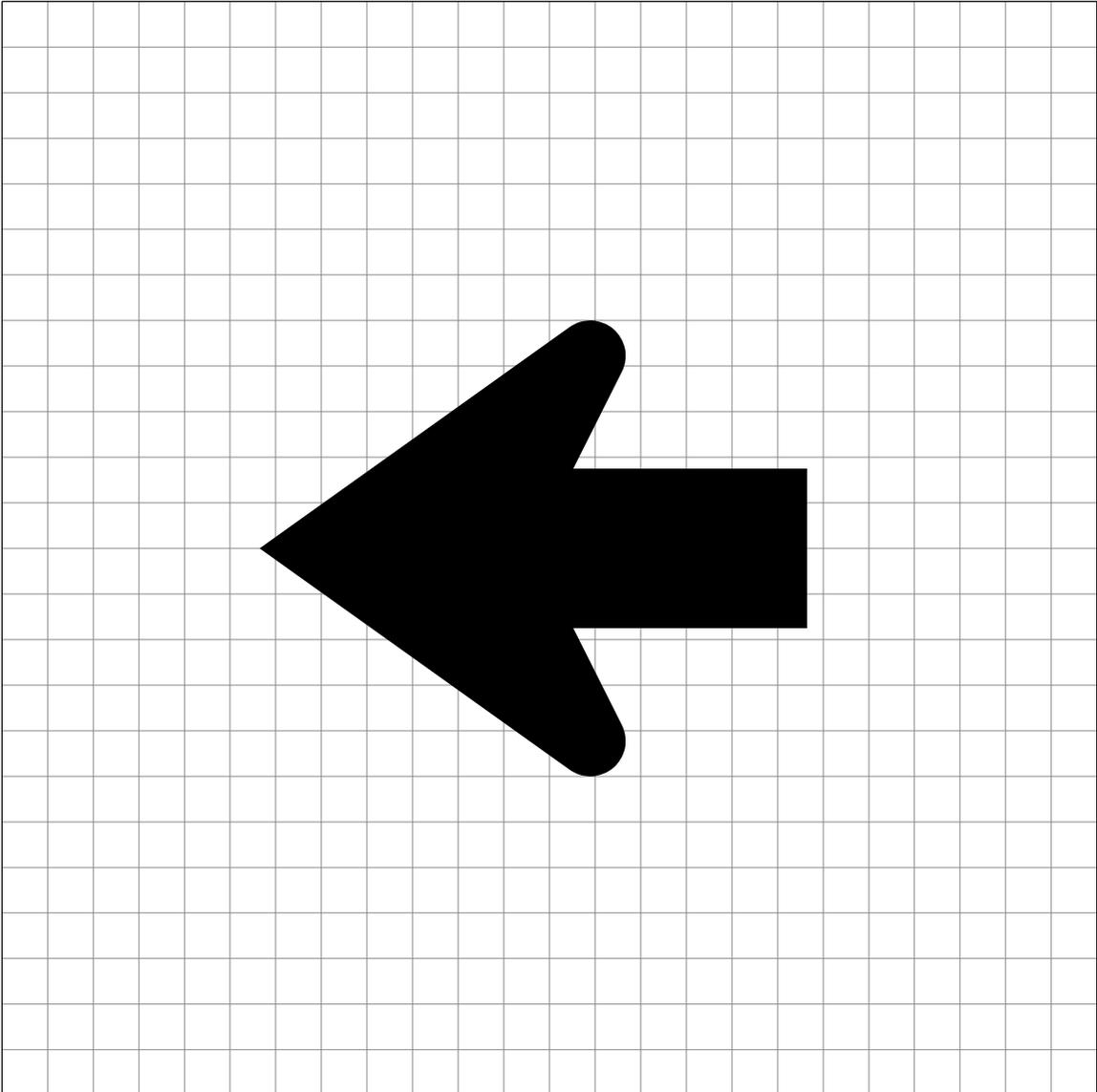
D3-2-DE1
DE DEVELOPMENT LOGO



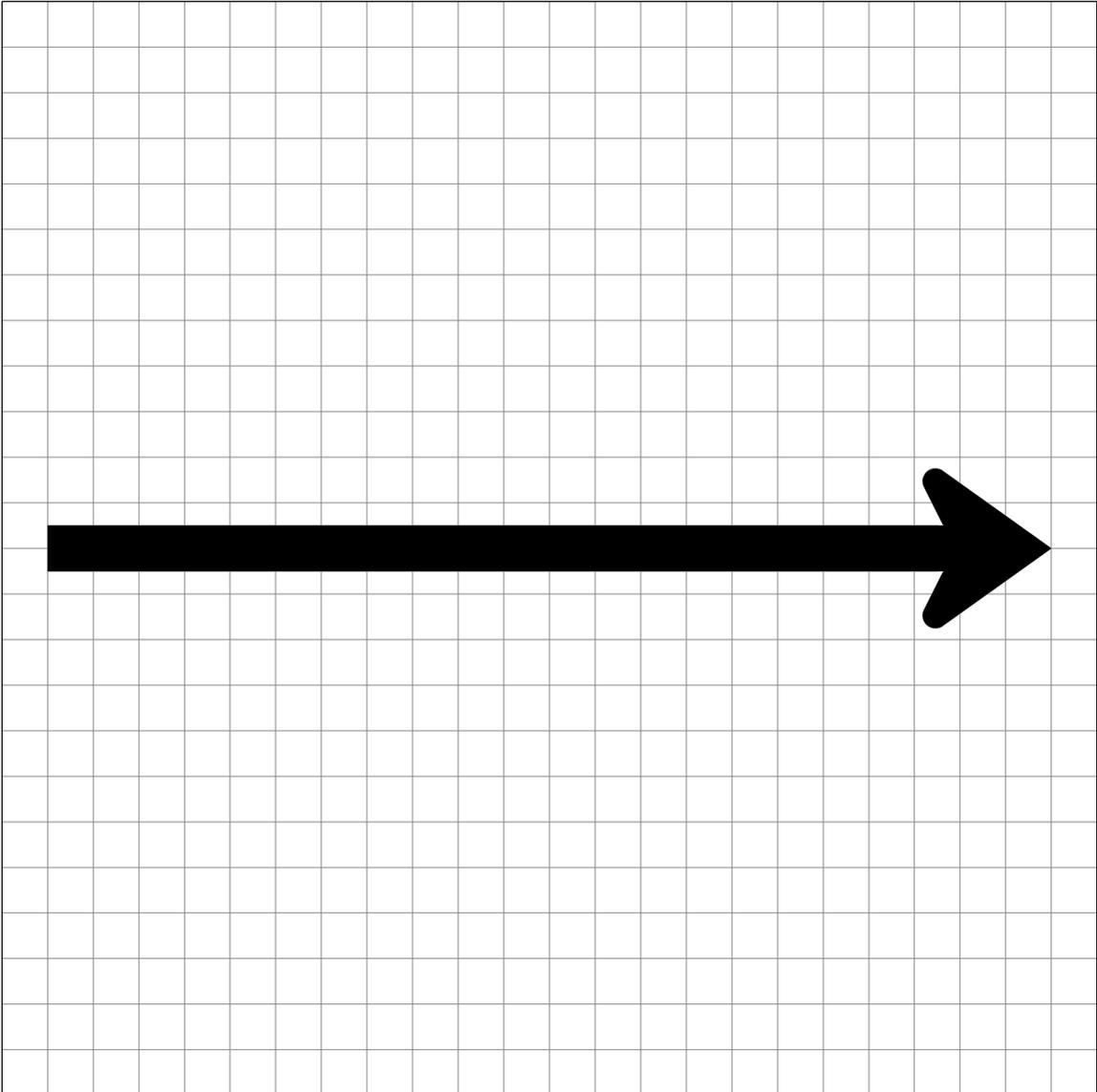
D3-2-DE2
ARROW (RIGHT)



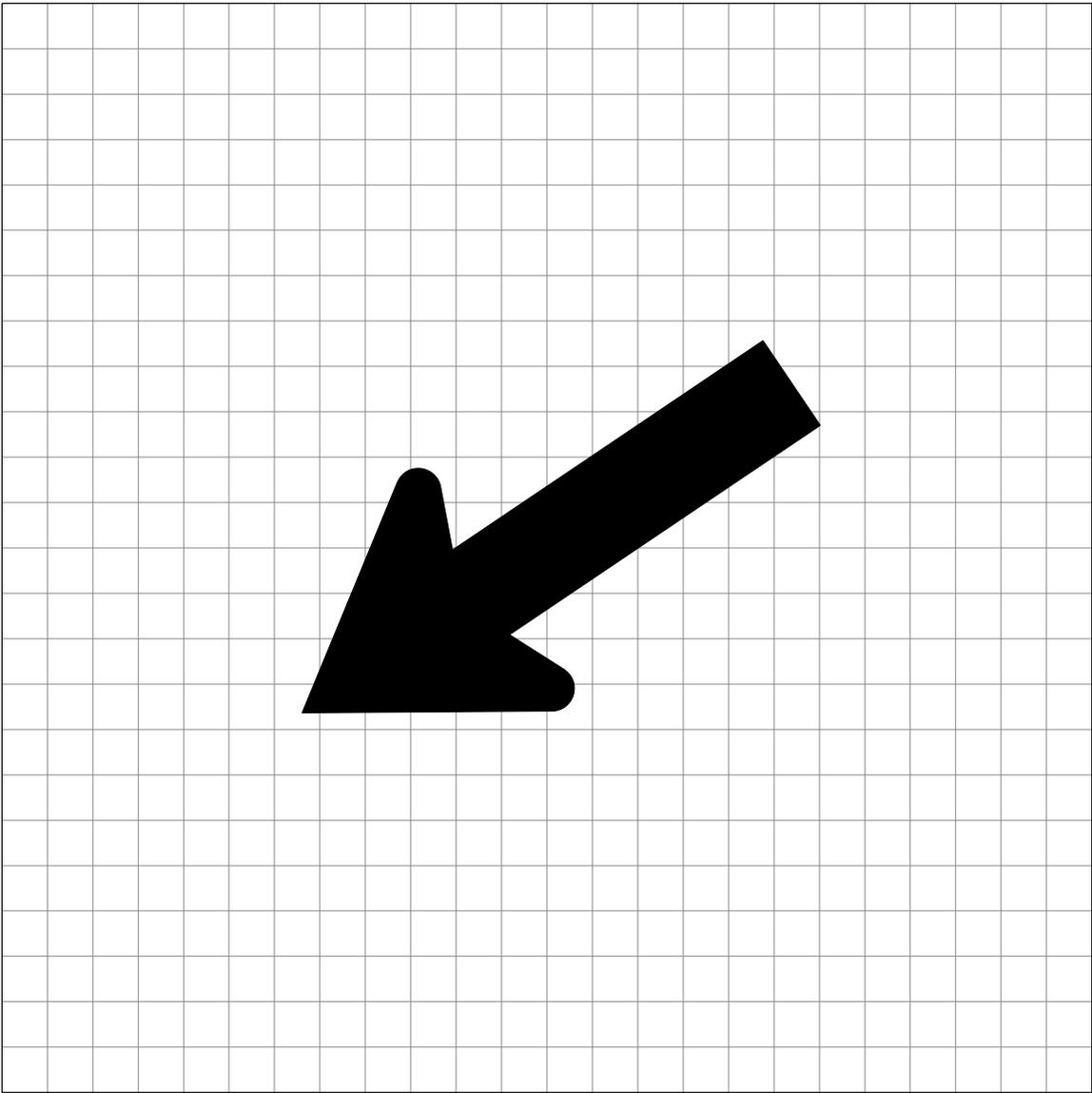
D3-2-DE3
SHORT ARROW (LEFT)



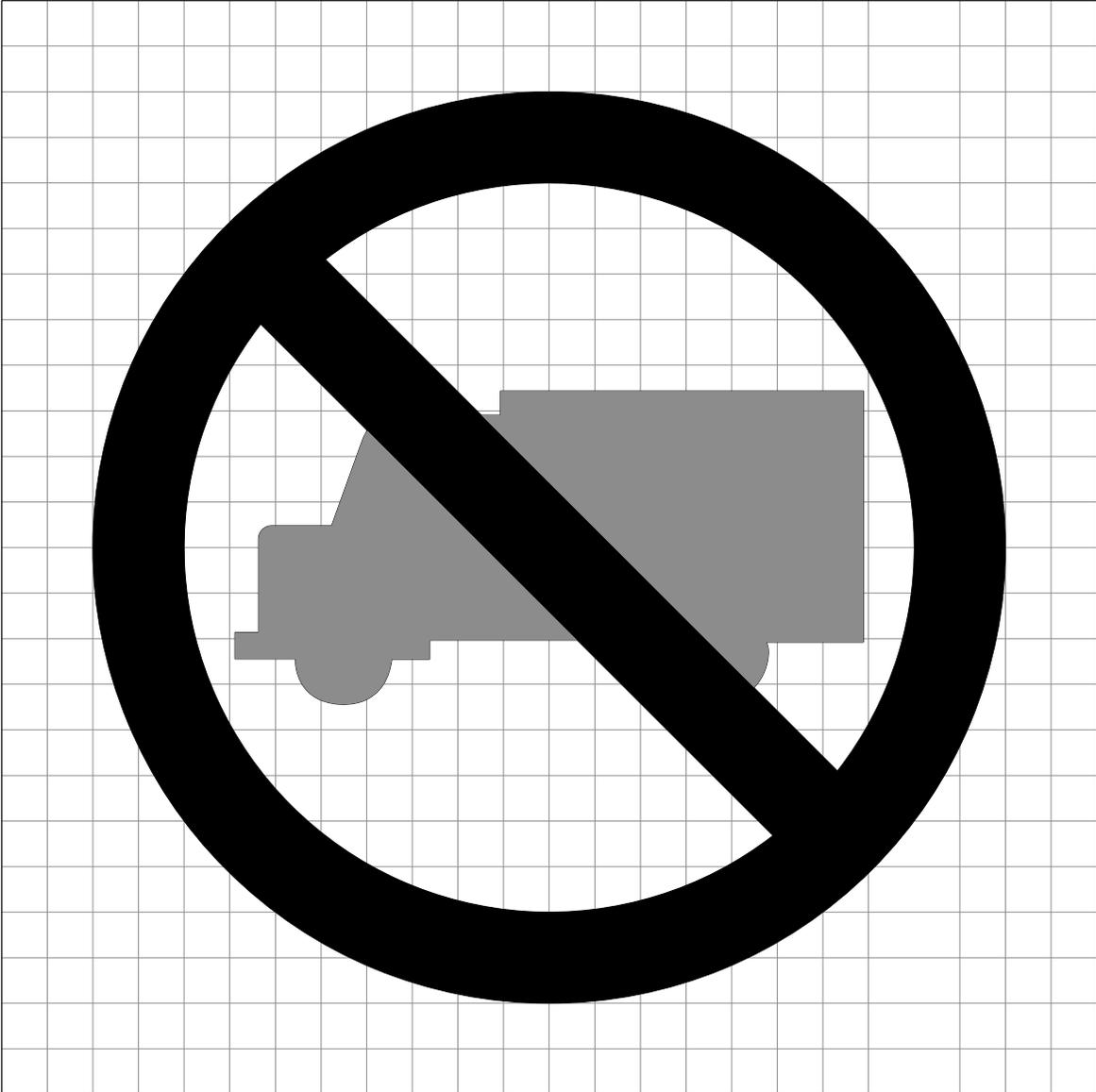
R10-3e-DE2
LONG ARROW (RIGHT)



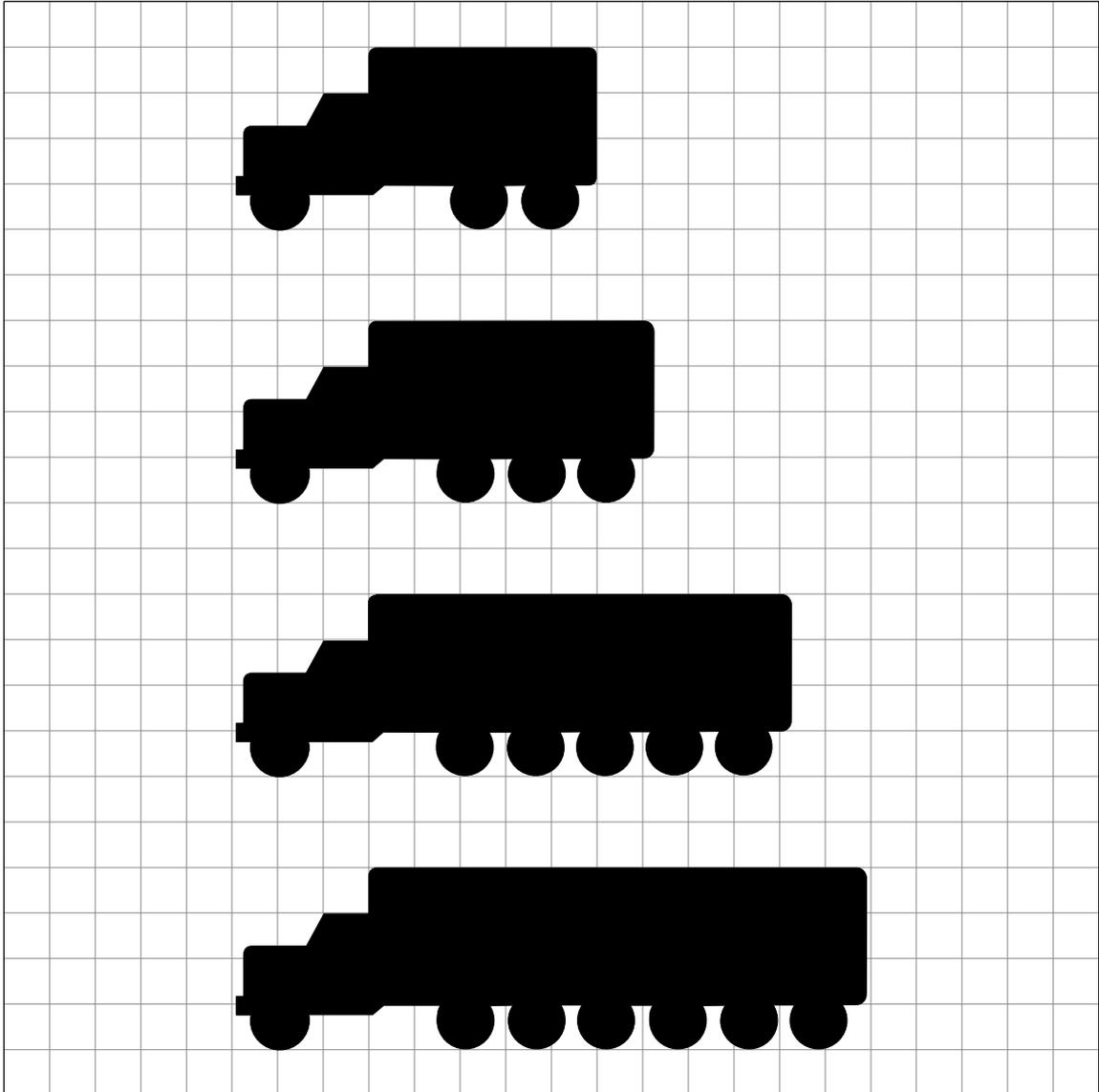
R10-6-DE
ARROW (34 DEGREES)



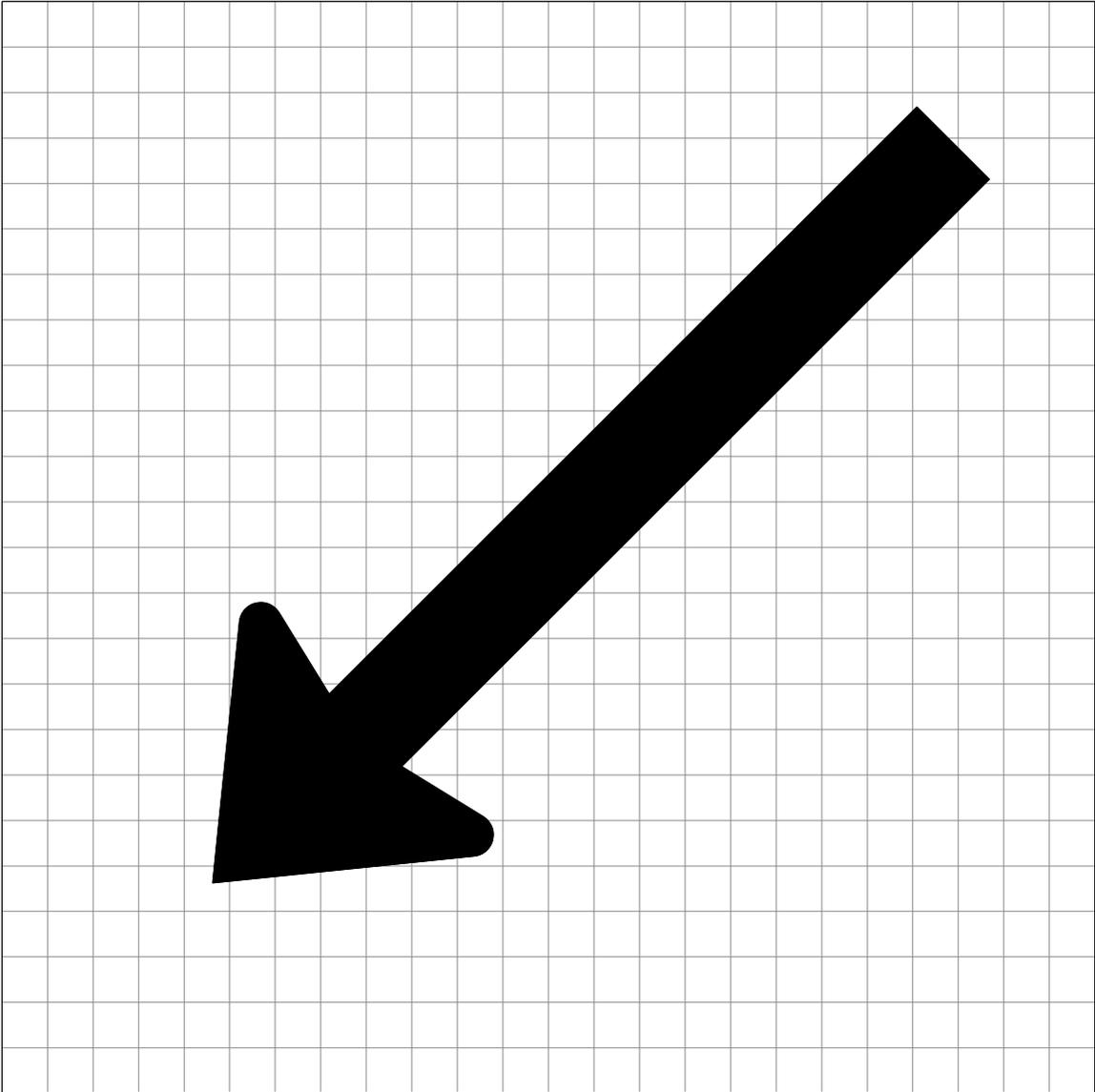
R12-3-DE1
TRUCK SYMBOL



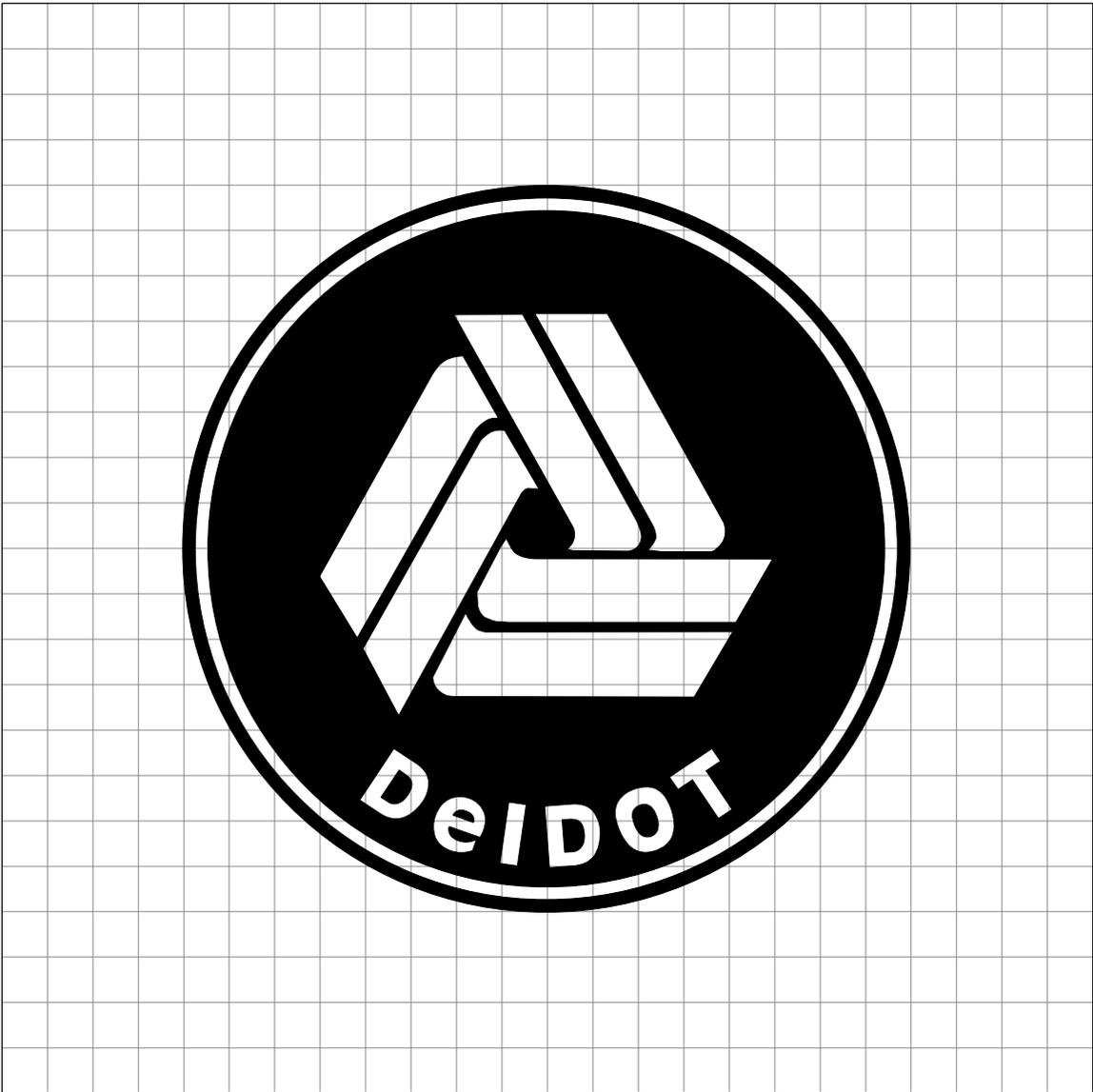
R12-5-DE
TRUCK SYMBOLS



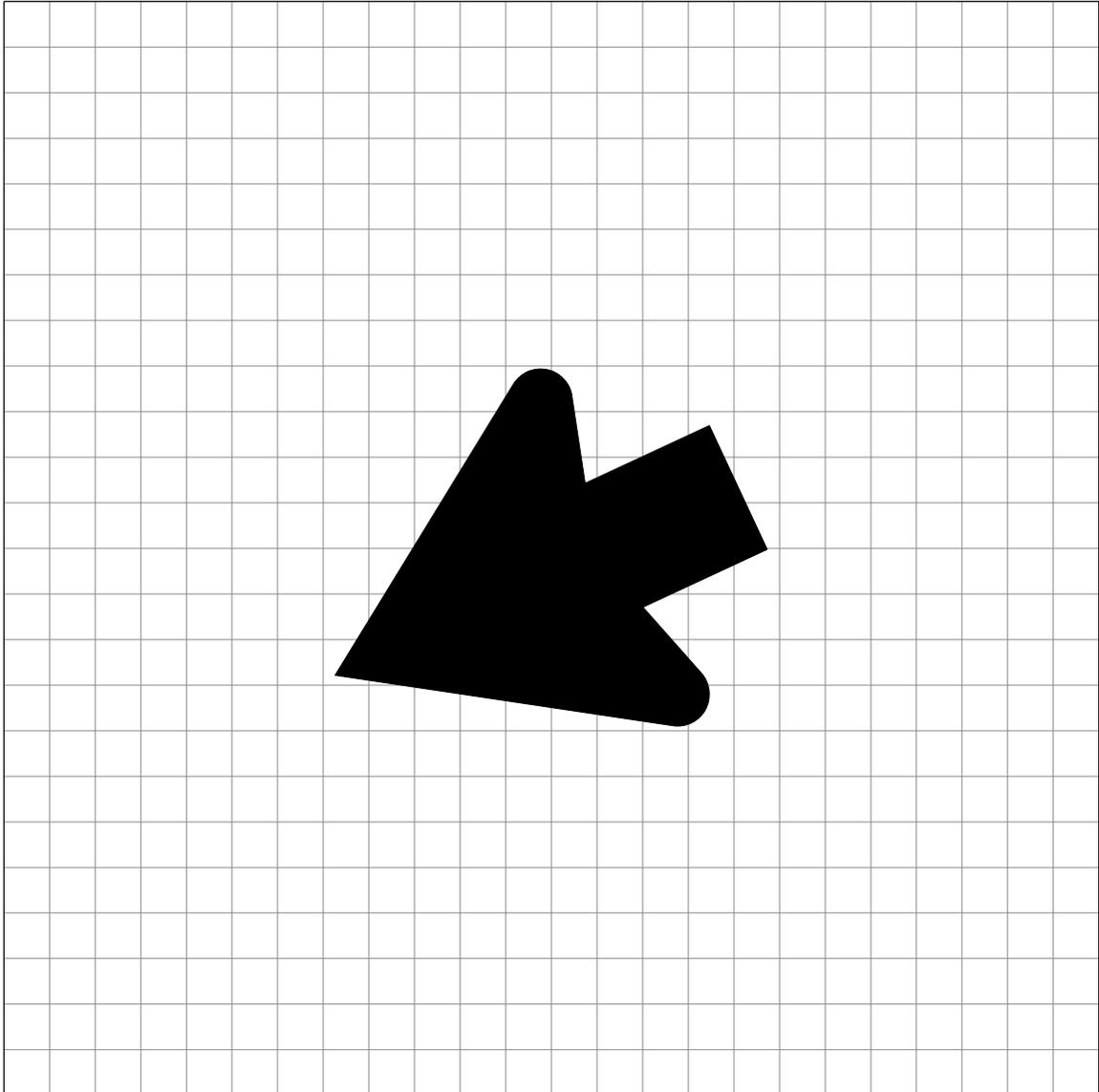
W9-2-DE
LONG ARROW (45 DEGREES)



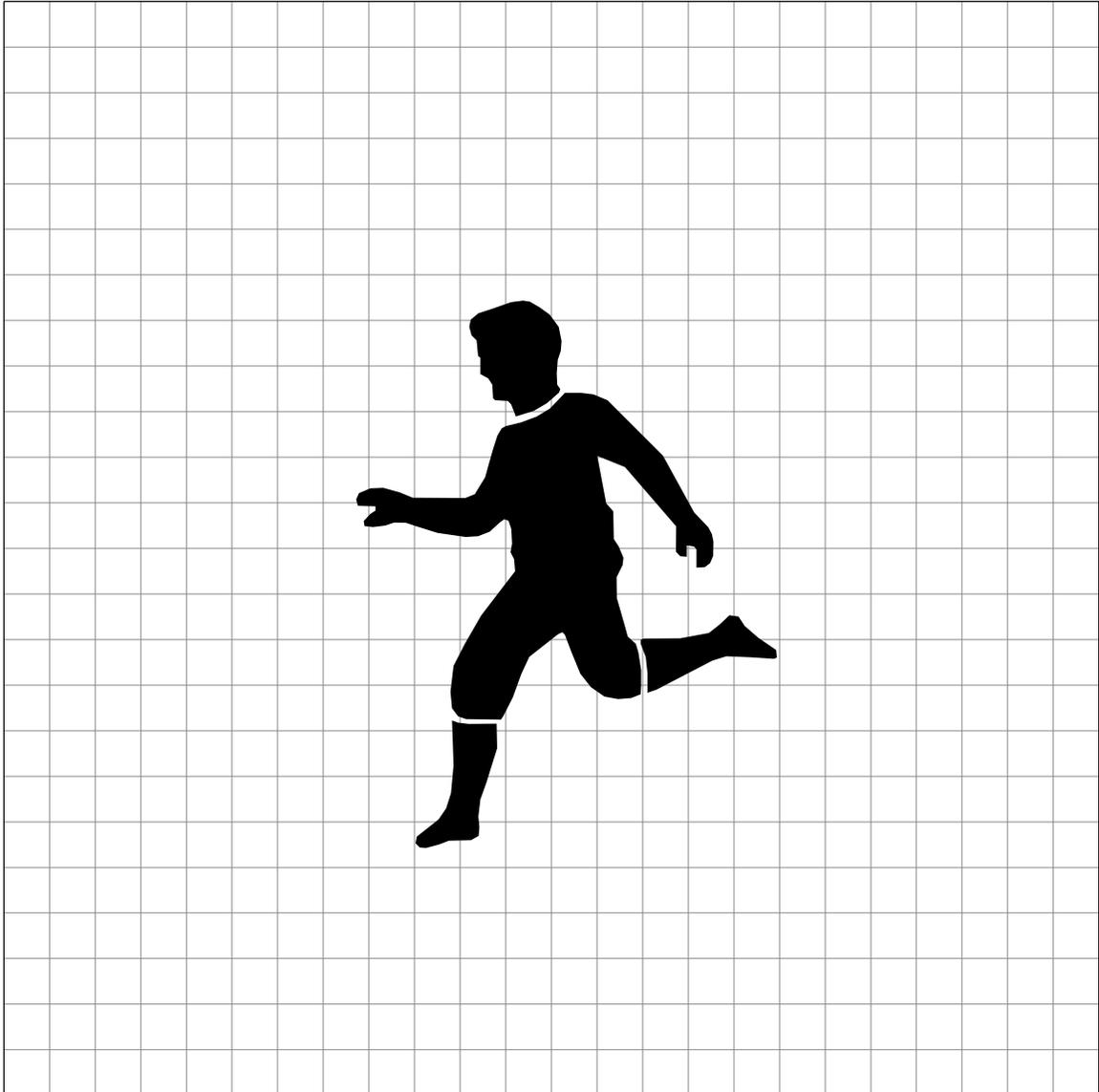
D12-6-DE
DELDOT LOGO



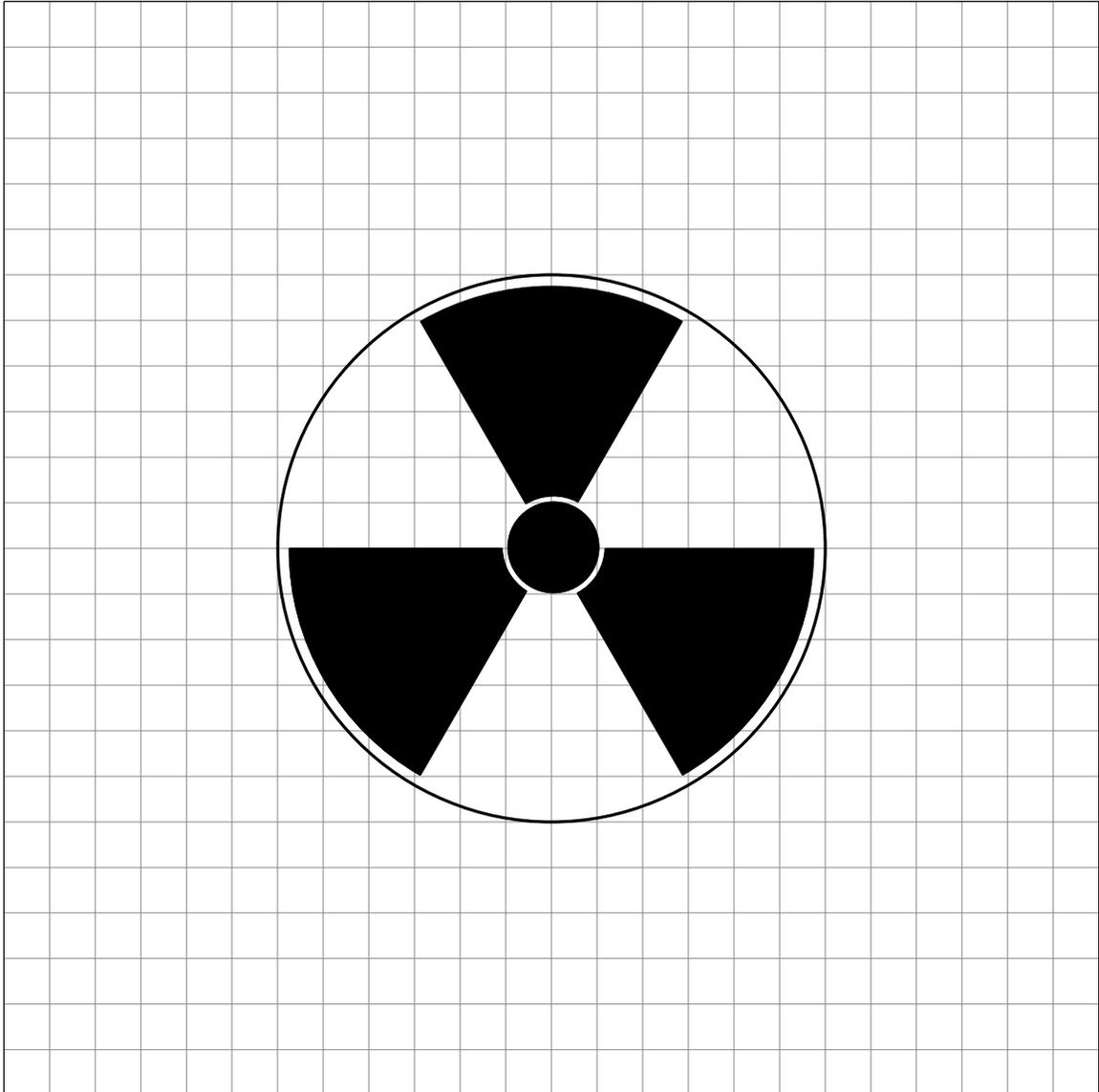
R4-4-DE
SHORT ARROW (25 DEGREES)



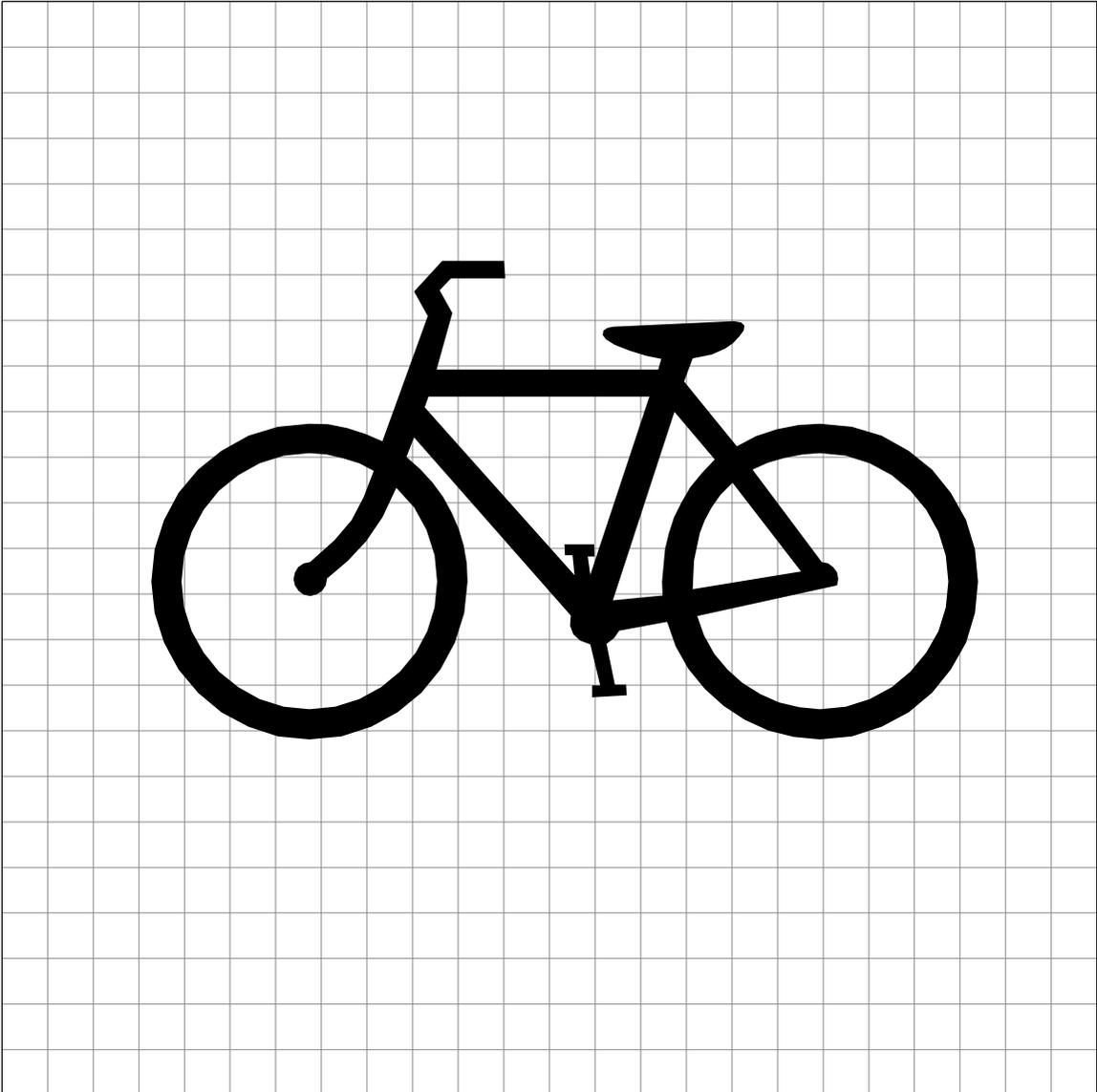
W21-11-DE
WATCH CHILDREN SYMBOL



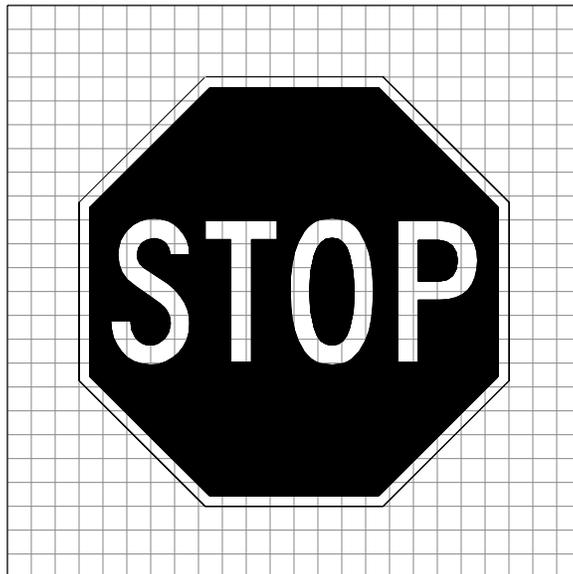
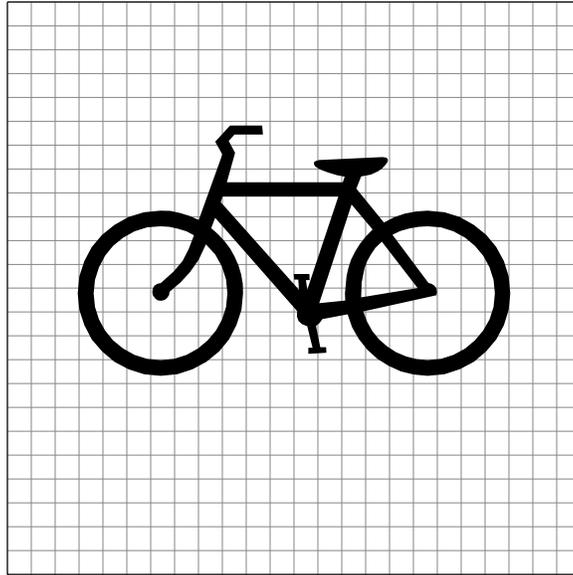
EM-7-DE
RADIATION SYMBOL



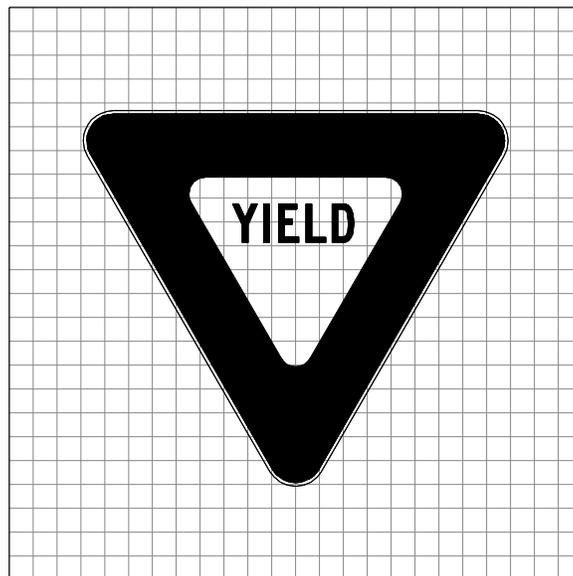
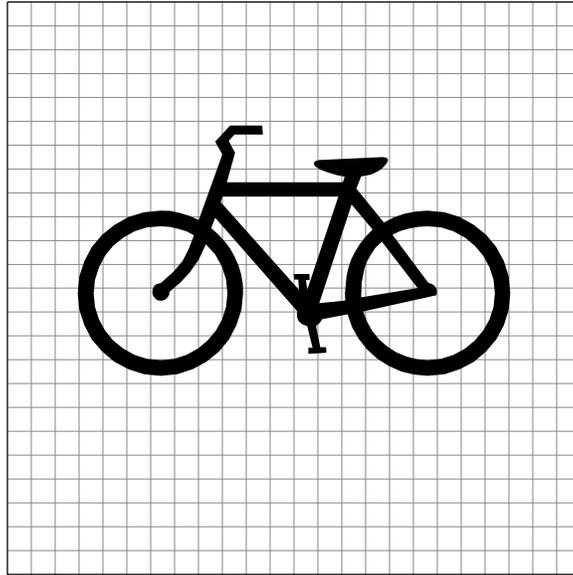
W11-1-DE
BIKE SYMBOL



SR1-16-DE
BIKE SYMBOL / STOP SIGN



SR1-17-DE
BIKE SYMBOL / YIELD SIGN

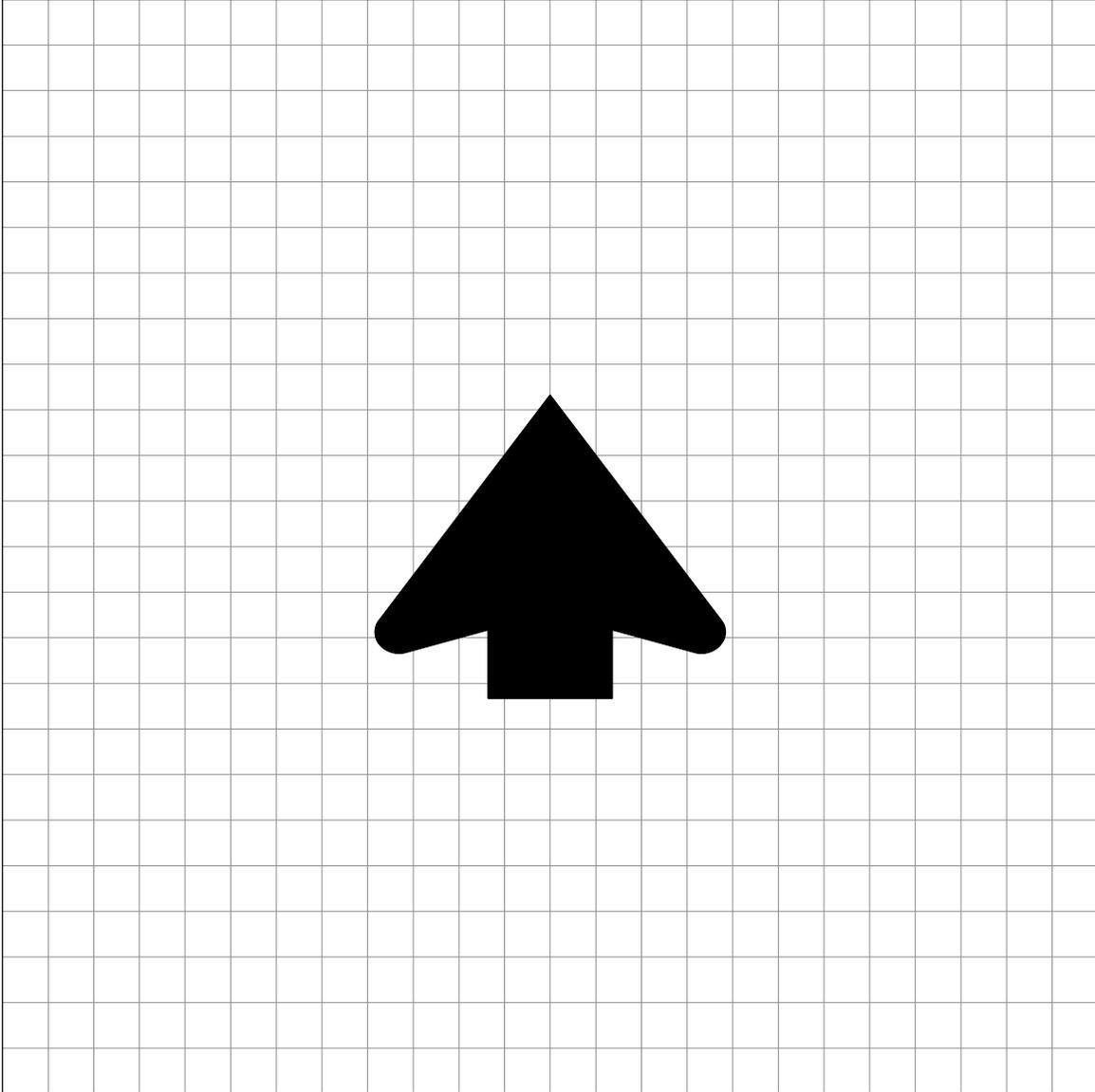


D11-1-DE

LOW STRESS BIKEWAYS

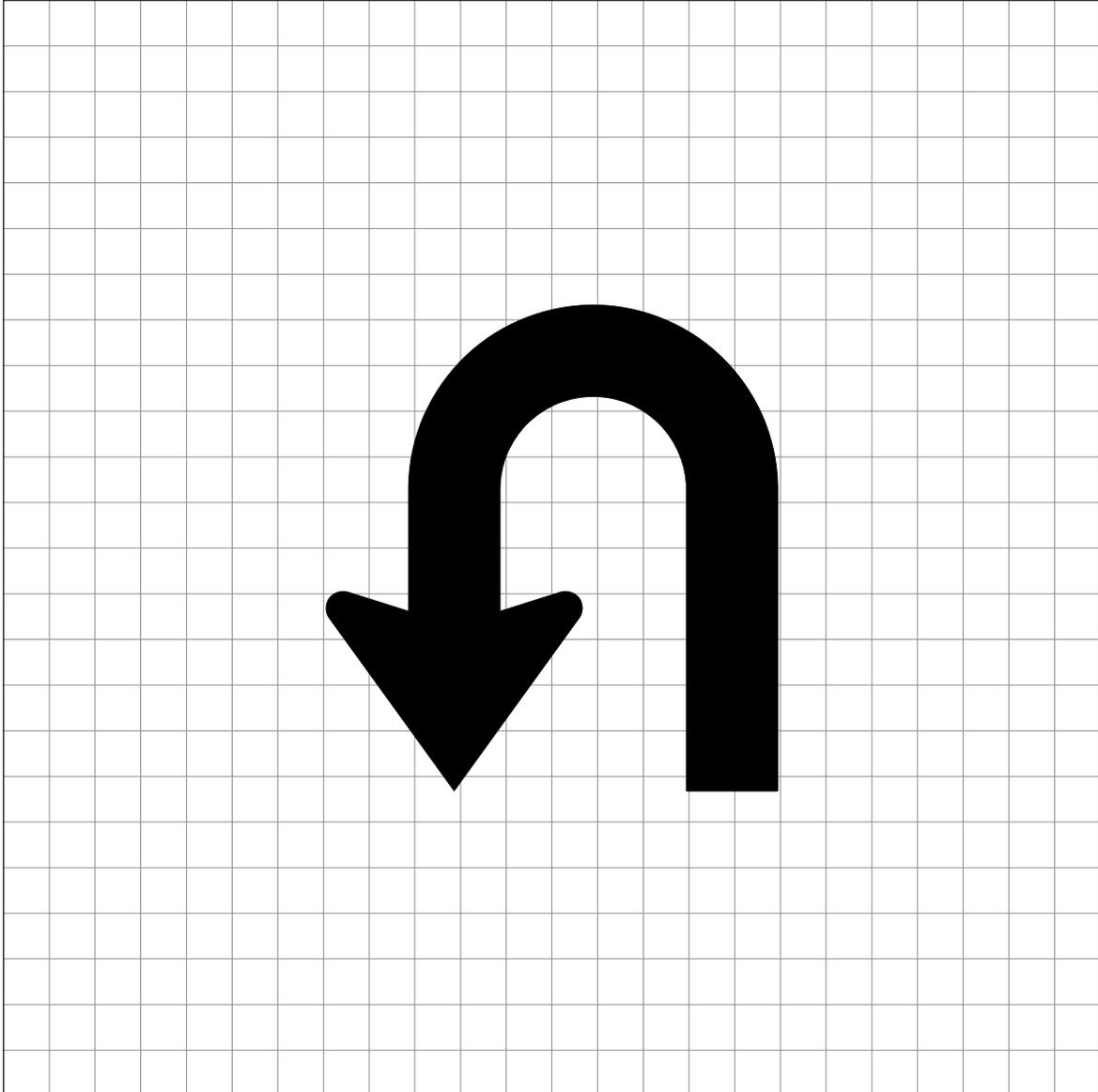


M4-9-DE
TEMP. SIGNS DETOUR



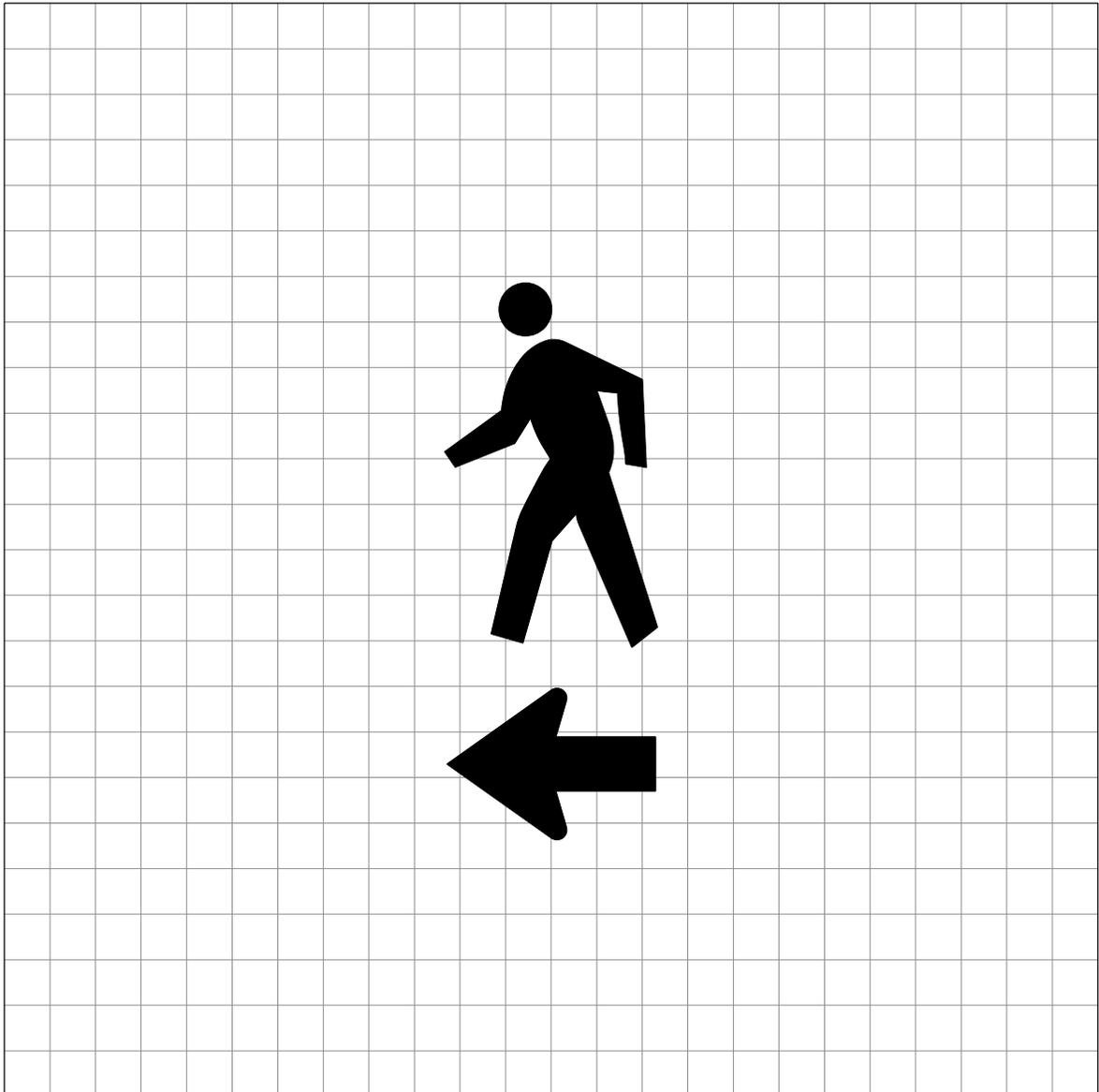
M4-9-DE1

TEMP. SIGNS DETOUR (U -TURN ARROW)



M4-9b-DE

TEMP. SIGNS DETOUR (PEDESTRIAN)



The intent of this section is to provide layout and sizing guidelines for designing and fabricating Street Name (D3-1) signs , Guide signs (D1-1) and Advance Street Name (W16-8) signs. Please use sound engineering judgment when adopting these guidelines.

Street Name Signs (D3-1)
(Two subdivision street intersections)

For the intersection of two subdivision streets following guidelines shall be used:

- a) Dimensions: Following metal panels sizes shall be used for street name signs - 12" x 8" , 18" x 8" , 24" x 8" , 30" x 8" , 36" x 8" , 42" x 8" and 48" x 8" .
- b) Letters: Use 4" Highway Gothic C for the street name and 3" Highway Gothic C for the type of roadway (Rd/St/Dr/Ave/Blvd) with the initial letter being upper-case and the rest of the legend being lower-case letters.
- c) Legend: If the legend does not fit within 48" x 8" panel, use the 4" Highway C and 3" Highway C with narrow letter kerning. If the legend still does not fit within 48" x 8" panel, then downsize letters by ½" increments until it fits. Use narrow letter kerning to fit the legend on the panel before downsizing letter heights. The legend shall be limited to only one line of text.
- d) Punctuation: Do not use punctuation.

Figure 1. shows typical Street Name sign (D3-1) at the intersection of two subdivision streets. The legend is center justified with 1.5" minimum edge spacing and 3" spacing between legend's names. Highway Gothic C for the street name and 3" Highway Gothic C for the type of roadway (Rd/St/Dr/Ave/Blvd) was used in layout. Considering that total legend length is less than 45" long, no further adjustment is needed.

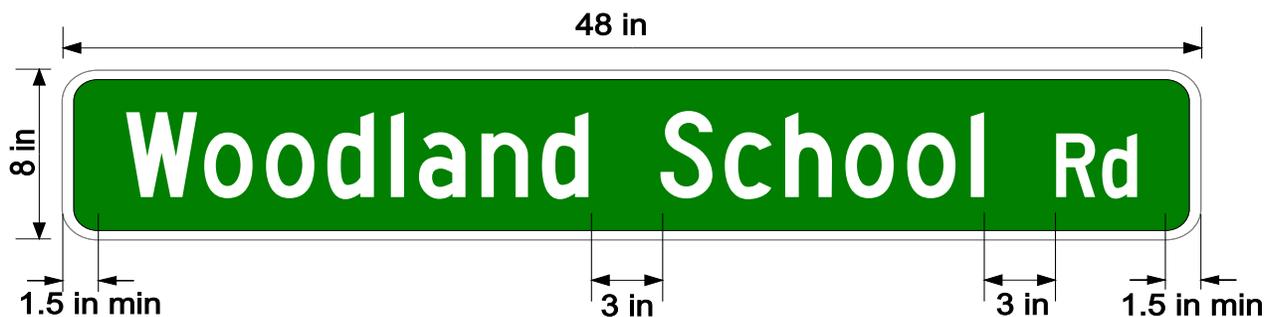


Figure 1. Panel size - 48" x 8"; Legend- Highway C (4") for street names and Highway C (3") for type of roadway. Legend is center justified with normal letter kerning.

In cases where legend name is larger than 45", narrow letter kerning should be used. For example, the total length of legend shown in Figure 2., is 46" while total minimum edge clearance is 3". The sum of legend length (46") and minimum edge clearance is larger than suggested maximum street blade panel length (48"). Therefore, the legend in current form can not be laid out on 48" panel. Considering that oversized (>48") panels sizes and two-line legends are not recommended per DE MUTCD 2018 , the only way to lay out the legend is to use narrow letter kerning.

Narrow letter kerning refers to 10% reduction in overall length of the legend. Bare in mind that reduction is achieved by proportionally reducing the spacing between letters and spacing in between between legend names, not by shrinking letter size.

Figure 3. shows the same street name as shown in Figure 2. but with legend laid out with narrow letters kerning. The total legend length is now less than 45", and thus can be laid out on 48" panel. Please notice that once narrow letter kerning legend is used, the spacing between street names and roadway types is less than 3".

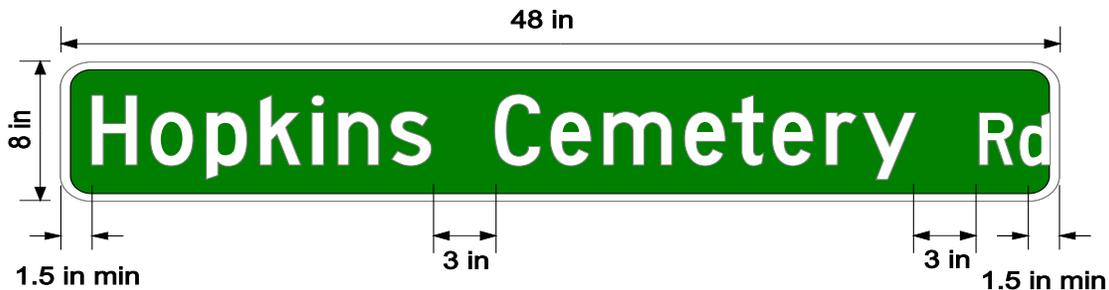


Figure 2. Panel size - 48" x 8"; Legend- Highway C (4") for street names and Highway C (3") for type of roadway. Legend is center justified with normal letter kerning. Length of the legend is >45" and could not be laid out on 48" long panel.

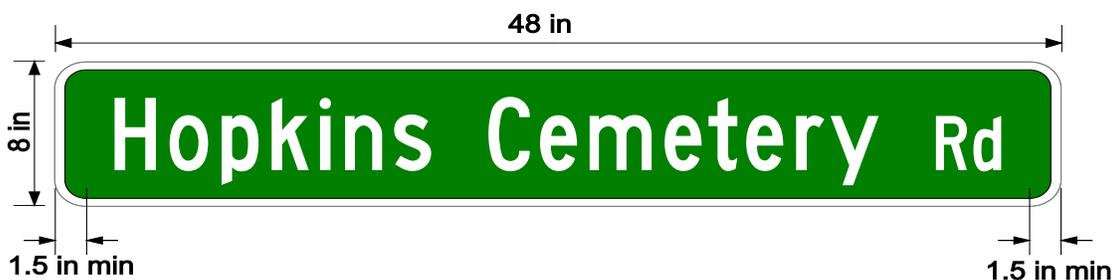


Figure 3. Panel size -48" x 8"; Legend- Highway C (4") for street names and Highway C (3") for type of roadway. Legend is center justified with narrow letter kerning.

In some cases street blade legend is too long even if narrow letter kerning is used (as shown in Figure 4.). In these cases legend's letter sizes should be reduced in 1/2" increments. For example, Figure 5. shows a street blade legend that has 3.5" Highway C normal kerning letters for street names, and 2.5" Highway C normal kerning letters for roadway type. However, in some cases even after reducing the letter sizes, street blade legend still might be longer than 45". In that case, narrow letter kerning should be used in order to fit the legend to the panel (Figure 6.).

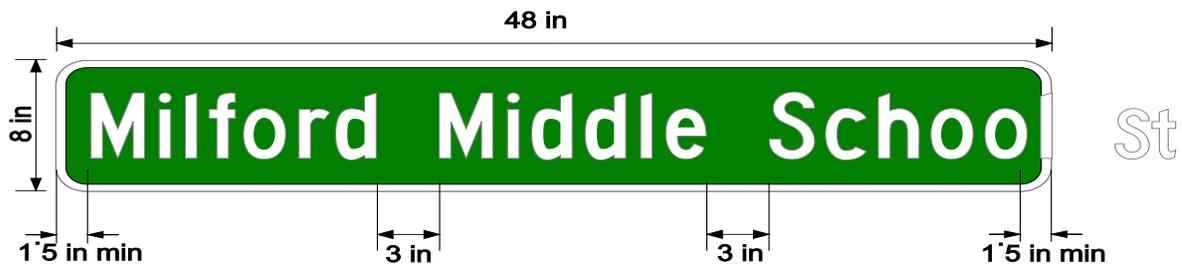


Figure 4. Panel size - 48"x8"; Legend- Highway C (4") for street names and Highway C (3") for type of roadway. Legend is center justified with normal letter kerning.



Figure 5. Panel size - 48"x8"; Legend- Highway C (4") for street names and Highway C (3") for type of roadway. Legend is center justified with narrow letter kerning.



Figure 6. Panel size - 48"x8"; Legend- Highway C (3.5") for street names and Highway C (2.5") for type of roadway. Legend is center justified with narrow letter kerning.

Street Name Signs (D3-1)
(Roads with posted speed limit < 40MPH)

On the roads with posted speed limit < 40 MPH, following guidelines shall be used:

- a) Dimensions: Following panel sizes should be used 18"x12", 24"x12", 30"x12", 36"x12", 42"x12" and 48"x12".
- b) Letters: Use 6" Highway C for street name and 4" Highway C for type of roadway (Rd/St/Dr/Ave/Blvd) with initial the letter being upper-case and the rest of the legend being lower-case letters.
- c) Legend: If the legend does not fit within 48"x12" panel, use the 6" Highway C for the street names and 4" Highway C for the type of street with narrow kerning. If that still does not fit, then use 6" Highway B for the street names and 4" Highway B letters for the type of street. If the legend still does not fit within 48"x12" panel, then downsize the letters by ½" increments using Highway B letters until it fits. Use narrow letter kerning to fit the legend on the panel before downsizing letter heights. The legend shall be limited to only one line of text.
- d) Punctuation: Do not use punctuation.

Figure 7. shows the layout of the typical Street Name (D3-1) sign, where the legend is center justified with 3" minimum edge spacing on both ends, and 3" spacing between name of the street and street type. The legend is laid out with 6" Highway Gothic C letters for the street name and 4" Highway Gothic C letters for the type of roadway (Rd/St/Dr/Ave/Blvd). Considering that total legend length is less than 42" long, no further adjustment on this layout is needed.



Figure 7. Panel size - 48"x12"; Legend- Highway C (6") for street names and Highway C (4") for type of roadway. Legend is center justified with normal letter kerning.

Figure 8. shows the Street Name sign where legend length is longer than 42". In this case narrow letter kerning should be used. Figure 9. shows the Street Name sign with narrow letter kerning. Once a narrow letter kerning is used the legend length was reduced to less than 42" and no further adjustments were needed. In some cases narrowing letter kerning would not reduce legend length below required 42". In those cases Highway B letters should be used. In cases where legend with Highway B and narrow letter kerning is still longer than 42", the legend letters should be reduced in 1/2" increments. For example, Figures 10. shows a Street Name legend that was laid out using Highway B narrow letter kerning with and reduced letter sizes (letter sizes of 5.5" were used for street name and 3.5" for type of roadway (Rd/St/Dr/Ave/Blvd)).

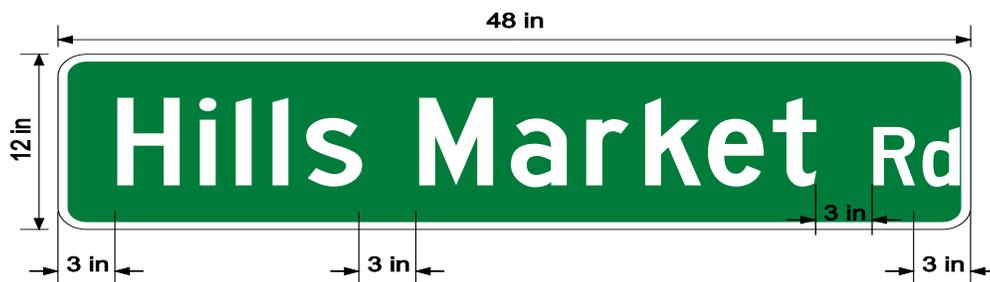


Figure 8. Panel size - 48"x12"; Legend- Highway C (6") for street names and Highway C (4") for type of roadway. Legend is center justified with normal letter kerning.



Figure 9. Panel size - 48"x12"; Legend- Highway C (6") for street names and Highway C (4") for type of roadway. Legend is center justified with narrow letter kerning.



Figure 10. Panel size - 48"x12"; Legend- Highway B (5.5") for street names and Highway C (3.5") for type of roadway. Legend is center justified with narrow letter kerning.

Street Name Signs (D3-1)
(Roads with posted speed limit > 40MPH)

On the roads with posted speed limit > 40 MPH, following guidelines shall be used:

- a) Dimensions: 24"x18", 30"x18", 36"x18", 42"x18", 48"x18".
- b) Letters: Use 8" Highway C for street name and 6" Highway C for the type of roadway (Rd/St/Dr/Ave/Blvd) with the initial letter of each word in upper-case and the remaining letters as lower-case.
- c) Legend: If legend does not fit within 48"x18", use 8" Highway C for street names and 6" Highway C for the type of street with narrow kerning. If that still does not fit, then use 8" Highway B for street names and 6" Highway B letters for the type of street. If legend still does not fit within 48"x18" panel, then downsize the letters by ½" increments using Highway B letters until it fits. Use narrow letter kerning to fit the legend on the panel before downsizing letter heights. The legend shall be limited to only one line of text.
- d) Punctuation: Do not use punctuation.

Figure 11. shows the layout of the typical Street Name (D3-1) sign, where the legend is center justified with 3" minimum edge spacing on both ends, and 3" spacing between name of the street and roadway type. The legend is laid out with 8" Highway Gothic C letters for the street name and 6" Highway Gothic C letters for the type of roadway (Rd/St/Dr/ Ave/Blvd). Considering that total legend length is less than 42" long, no further adjustment on this layout is needed.

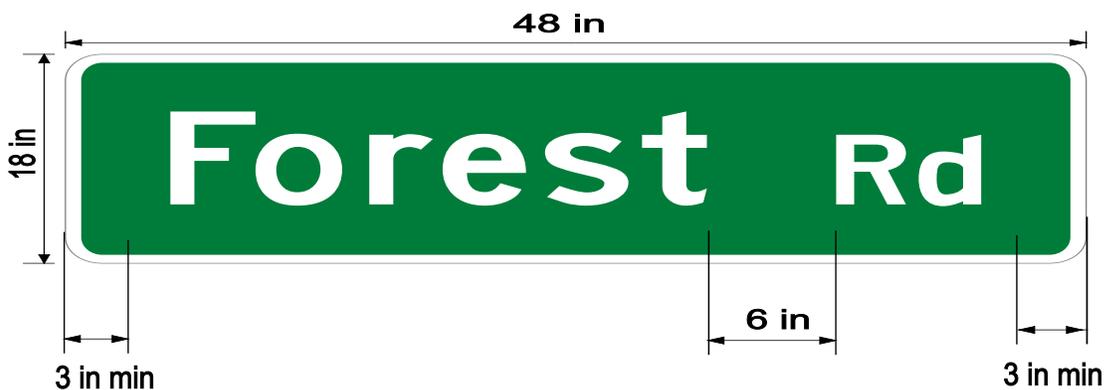


Figure 11. Panel size - 48"x18"; Legend- Highway C (8") for street names and Highway C (6") for type of roadway. Legend is center justified with normal letter kerning.

Figure 12. shows the Street Name sign where legend length is longer than 42". In this case narrow letter kerning should be used. If using a narrow letter kerning did not reduce the legend length below 42" , further adjustments are needed. For example, Figure 13. shows that in order to fit the legend on 48" panel, Highway B narrow letter kerning with reduced letter sizes (letter sizes of 7.5" for street name and 5.5" for type of roadway (Rd/St/Dr/Ave/Blvd)) should be used. In cases where legend still could not fit on 48" panel, keep reducing letter sizes until it fits.



Figure 12. Panel size -48" x 18"; Legend- Highway C (8") for street names and Highway C (6") for type of roadway. Legend is center justified with normal letter kerning. Legend length is larger than 42".



Figure 13. Panel size -48" x 18"; Legend- Highway B (7.5") for street names and Highway B (5.5") for type of roadway. Legend is center justified with narrow letter kerning.

Destination Guide Signs

(D1-3)

Destination signs are essential to direct road users and to give information in the most simple, direct manner possible. Table 2D-1 of the DE MUTCD provides generic information regarding sizing of three-line Destination signs (D1-3). Current maintenance and replacement practices have shown that post-mounted, three-line Destination signs (D1-3) with lengths larger than 72 inches, consequently result in a higher rate of wind-induced damage due to the excessively large surface area.

To reduce the maintenance costs of the frequent replacement of oversized post-mounted guide signs, the maximum length of post-mounted, three-line Destination signs (D1-3) should be 72 inches. In cases where, due to legend size, a length larger than 72 inches is warranted, three-line Destination signs (D1-3) should be installed on breakaway I-beam posts. Design and fabrication of three-line Destination signs (D1-3) installed on two posts, shall be based on the following sizing and layout criteria:

Letters: Use 6" Highway D for the destination name, with the initial letter being upper-case and the rest of the legend being lower-case letters.

Offset: Use a 6" offset from the edge of the panel (left, right, top and bottom sides). Use a 6" clearance between destination names and arrows or mileage (Figure 14.).

Arrows: Use 9" (length) x 6" (height) arrows. Arrows pointing right are placed on the right edge of the sign, arrows pointing left and straight up are placed on the left edge of the sign.

d) Mileage: Mileage is placed on the right edge of the sign.

e) Legend: If legend does not fit within 72" x 42" (Figure 15.), use a 3" edge offset and a 3" clearance between destination names and arrows or mileage. Do not use partition line to separate rows. Destinations with arrows pointing up are listed at the top. Destinations with the arrows pointing left should always be placed above destinations with arrows pointing right and below destinations with arrows pointing up.

f) Punctuation: Do not use punctuation.

Figure 15. shows the Guide (D1-3) sign with reduced edge offset (3") and reduced clearance (3") between legend name and destination arrows or mileage. If sign legend could not fit on 72"x42 " panel even with reduced margins layout, a Guide sign should be installed on oversized extruded panel supported by I-beam posts.

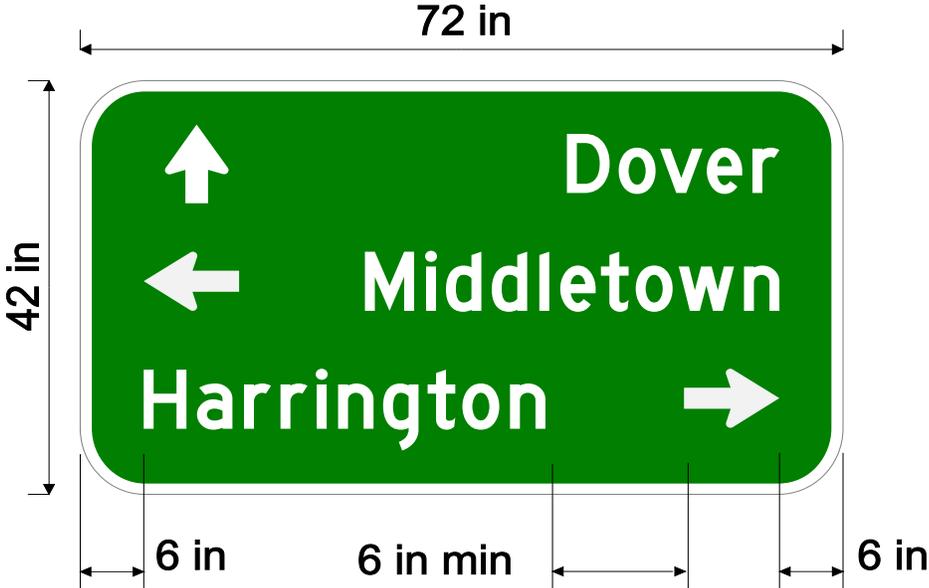


Figure 14. Panel size - 72" x 42"; Legend- Highway D (6"). Legend is left/right justified. Arrows have 9" (length) x 6" (height) . Use 6" offset from the edge of the panel (left, right, top and bottom sides). Use a 6" clearance between destination names and arrows or mileage.

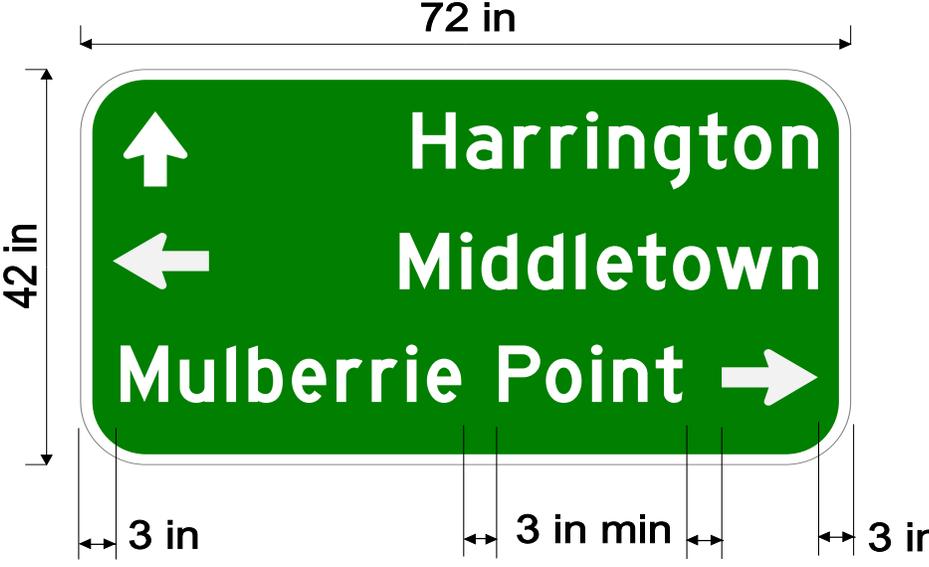


Figure 15. Panel size - 72" x 42"; Legend- Highway D (6"). Legend is left/right justified. Arrows have 9" (length) x 6" (height) arrows. Use 3" offset from the edge of the panel (left, right, top and bottom sides). Use a 3" clearance between destination names and arrows or mileage.

Advance Street Name Plaques (W16-8P)
(Installed on single post)

While current DeIDOT Standard Specifications allow signs with dimensions up to 48" to be installed on a single post, current maintenance and replacement practices have shown that Advance Street Name Plaques (W16-8) with longitudinal lengths of 48" are prone to excessive bending under wind loads. As such, DeIDOT establishes the following Guidance regarding the design layout and sizing of Advance Street Name Plaques (W16-8P and W16-8aP) that are designated to be installed on one post:

- a) Dimensions: One Line (W16-8P) - 8" x 9", 24" x 9", 30" x 9", 36" x 9" & 42" x 9".
Two Lines (W16-8aP) - 24" x 18", 30" x 18", 36" x 18" & 42" x 18".
Three Lines (W16-8aP) - 42" x 18".
Four Lines (W16-8aP) - 30" x 24".

- b) Letters: Use 4" Highway C for the street name and for the type of roadway (Rd/ St/Dr/Ave/Blvd) with the initial letter being upper-case and the rest of the legend being lower-case letters.

- c) Legend: If the legend does not fit within a 42" x 9" panel, use narrow letter kerning. If legend does not fit a 42" x 9" panel with narrow letter kerning, use the panel sizing for two lines with normal kerning. If the legend does not fit within a 42" x 18" panel, use narrow letter kerning. If the legend does not fit within a 42" x 18" panel with narrow letter kerning, use a 30" x 24" panel with normal letter kerning. If legend does not fit within 30" x 24" panel, use narrow letter kerning. If the legend does not fit within a 30" x 24" panel with narrow letter kerning, use special-case W16-8P layout templates provided in addendum of Delaware Standard Sign Book (2018). Do not use partition line to separate rows.

- d) Punctuation: Do not use punctuation.

- e) Arrows: Use 6" (length) x 4" (height) directional arrows or 6.25" x 5" advance turn arrows.

- f) Alignment: If no arrows are used, use center justify. If arrows are used, use left/right justify. For a two-line legend use center justify regardless of the arrows. List leg-end of the left-side street, on the top.

g) Margins: Use a minimum of 2" left and right edge margins and 2.5" for top and bottom edge margins. If the legend does not fit inside panel's maximum length limit, use a minimum of 1.5" left and right edge margins.

Figures 16-19. show typical layouts of Advance Street Name Plaque signs installed on single post.

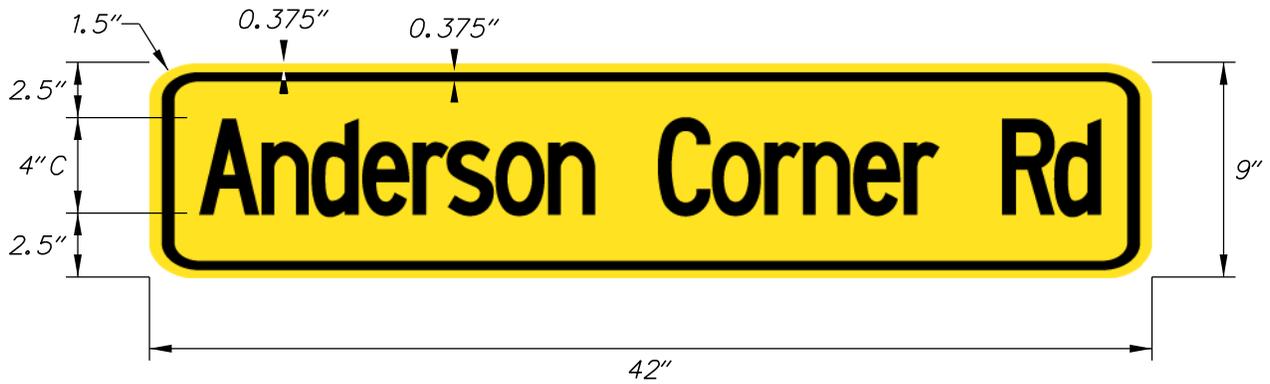


Figure 16. Single post; Panel size -42" x 9"; Legend- Highway C (4") with narrow letter kerning. Legend is center justified. Left and right margin are minimum 1.5".

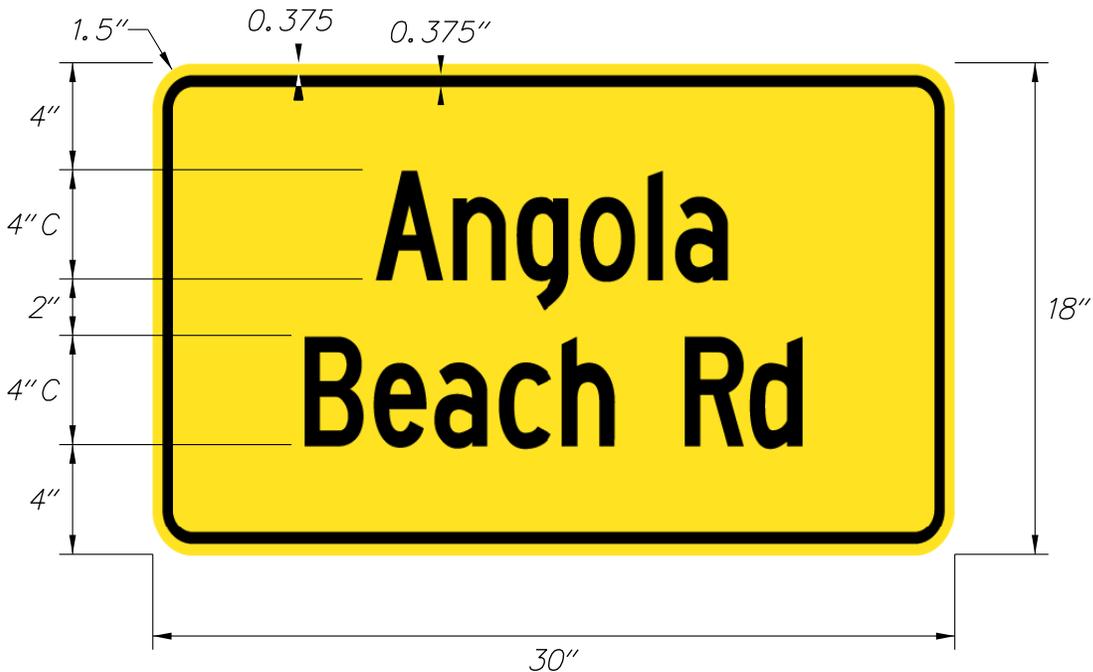


Figure 17. Single post; Panel size - 30" x 18"; Legend - Highway C (4") with normal letter kerning. Legend is center justified. Left and right margin are minimum 1.5".

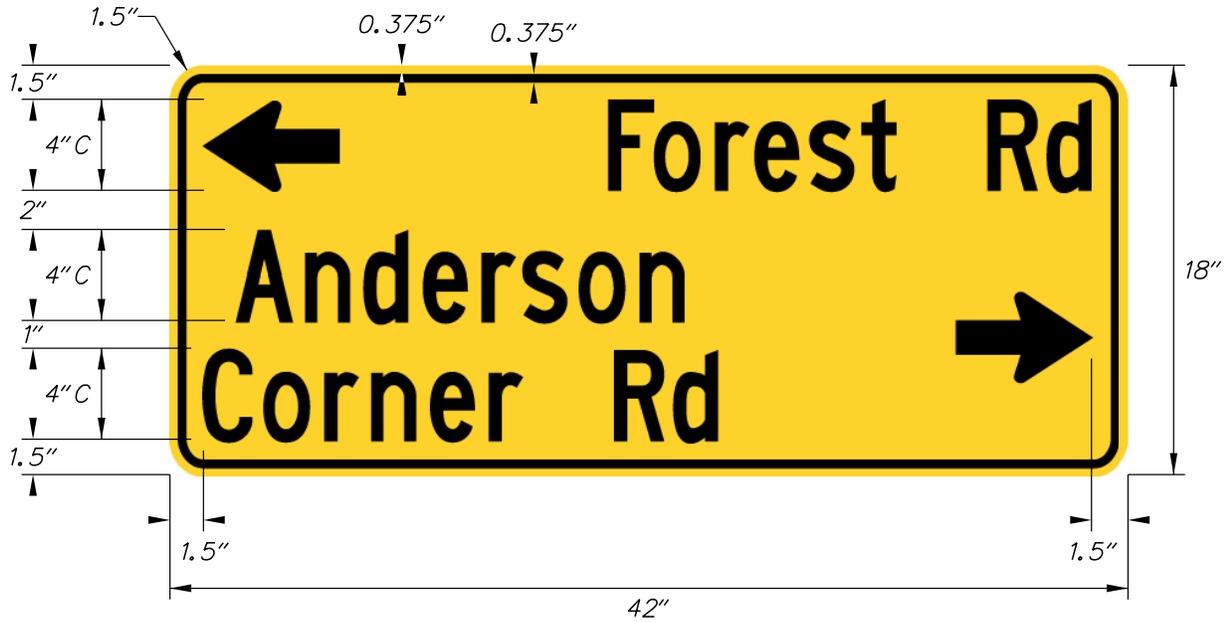


Figure 18. Single post; Panel size - 42" x 18" , Legend- Highway C (4") with narrow letter kerning. One-line legend is right justified. Two-line legend is center justified. Left-side street legend is listed on the top. Left and right margin are minimum 1.5".

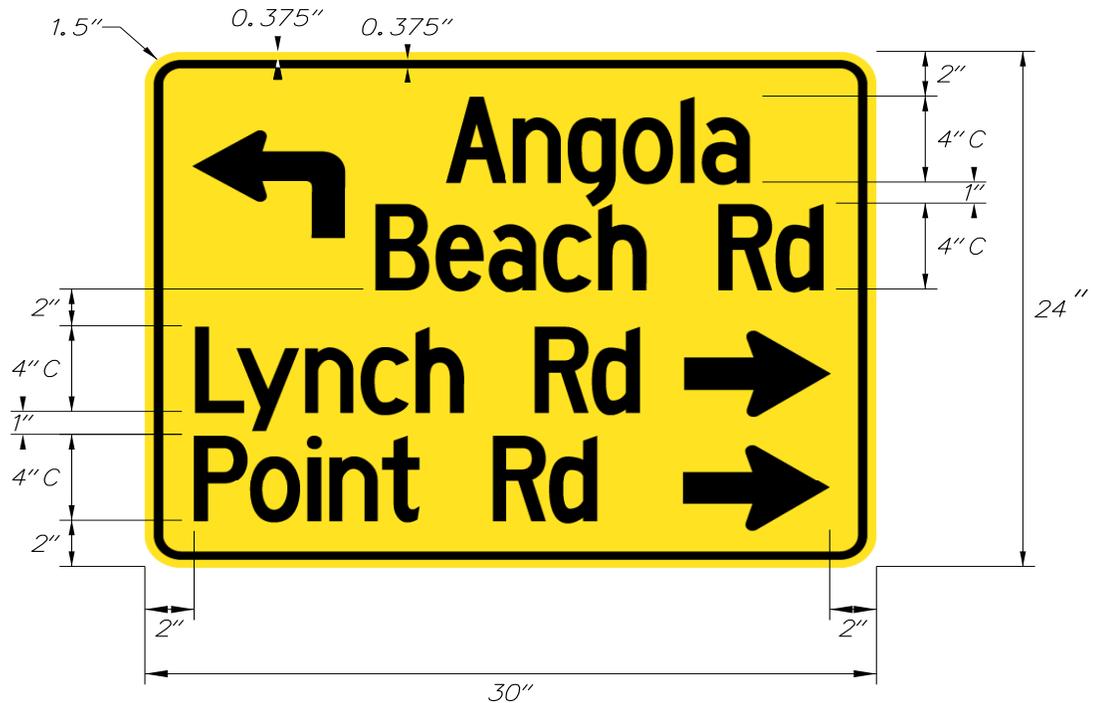


Figure 19. Single post; Panel size - 30" x 24" , Legend- Highway C (4") with narrow letter kerning. Two-line legend is shown with advanced turn arrow (6.25" x 5"), one-line legends are shown with directional arrows (6" x 4"). Two-line legend is center justified. One-line legends are left justified. Left-side street legend is listed on the top. Left and right margin are minimum 2".

Advance Street Name Plaques (W16-8aP)
(Installed on two posts)

In instances where Advance Street Name Plaques (W16-8P and W16-8aP) are supplementing oversized Advance Traffic Control and Intersection Warning signs (48" x 48"), Advance Street Name Plaques (W16-8P and W16-8aP) should be designed to accommodate installation on two posts. DeIDOT established the following Guidance regarding the design layout and sizing of Advance Street Name Plaques (W16-8P and W16-8aP) that are supplementing oversized Advance Traffic Control and Intersection Warning signs (48" x 48").

- a) Dimensions:
 - One Line (W16-8P) - 48" x 9".
 - Two Lines (W16-8aP) - 48" x 18".
 - Three Lines (W16-8aP) - 48" x 18".
 - Four Lines (W16-8aP) - 48" x 24".

- b) Letters: Use 4" Highway C for the street name and for the type of roadway (Rd/ St/Dr/Ave/Blvd) with initial letter being upper-case and the rest of the legend being lower-case letters.

- c) Legend: If the legend does not fit within 48" x 9" panel, use a 48" x 18" panel. If the legend does not fit within a 48" x 18" panel, use narrow letter kerning. If the legend does not fit within a 48" x 18" panel with narrow letter kerning, use 48" x 24" panel with normal letter kerning. If the legend does not fit within a 48" x 24" panel, use narrow letter kerning. If the legend does not fit within a 48" x 24" panel with narrow letter kerning, use the special case W16-8P layout templates provided in addendum of Delaware Standard Sign Book (2018). Do not use a partition line to separate rows.

- d) Punctuation: Do not use punctuation.

- e) Arrows: Use 6" (length) x 4" (height) direction arrows or 6.25" x 5" advance turn arrows.

- f) Alignment: If no arrows are used, use center justify. If arrows are used, use left/ right justify. For a two-line legend use center justify, regardless of the arrows. List legend of the left-side street, on the top.

g): Margins: Use minimum 2" left and right edge margins and minimum 2.5" for top and bottom edge margins. If legend does not fit to inside maximum length limit, use minimum of 1.5" left and right edge margins.

Figures 20-23. show typical layouts of Advance Street Name Plaque signs installed on two posts.



Figure 20. Double post; Panel size -48" x 9"; Legend- Highway C (4") with normal letter kerning. Legend is center justified. Left and right margin are minimum 1.5".

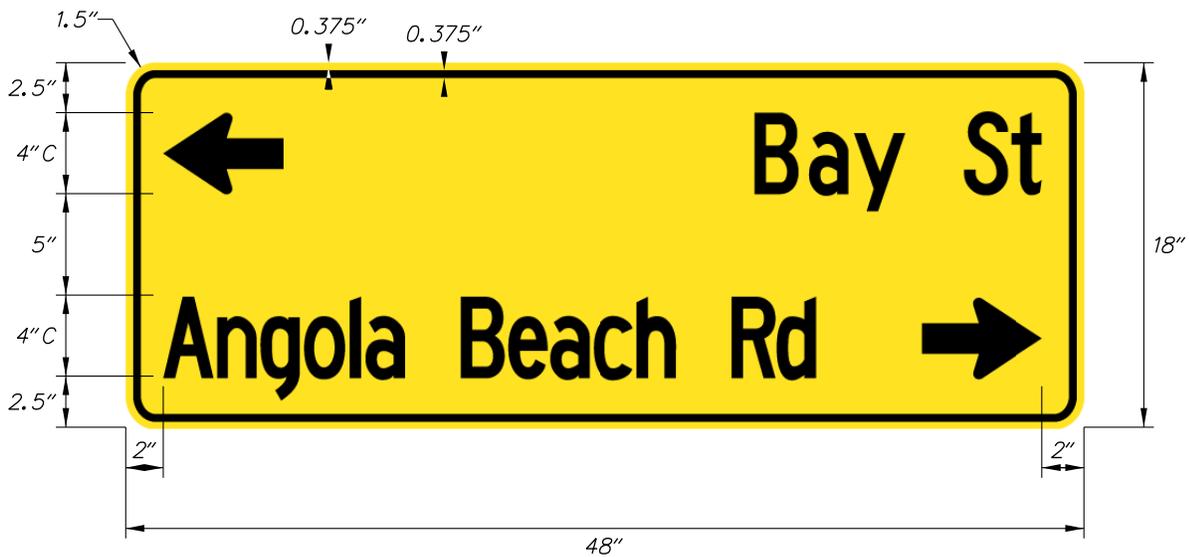


Figure 21. Double post; Panel size - 48" x 18" , Legend-Highway C (4") with narrow letter kerning. One-line legends are right/left justified with directional arrows (6" x 4"). Left-side street legend is listed on the top. Left and right margin are minimum 2".

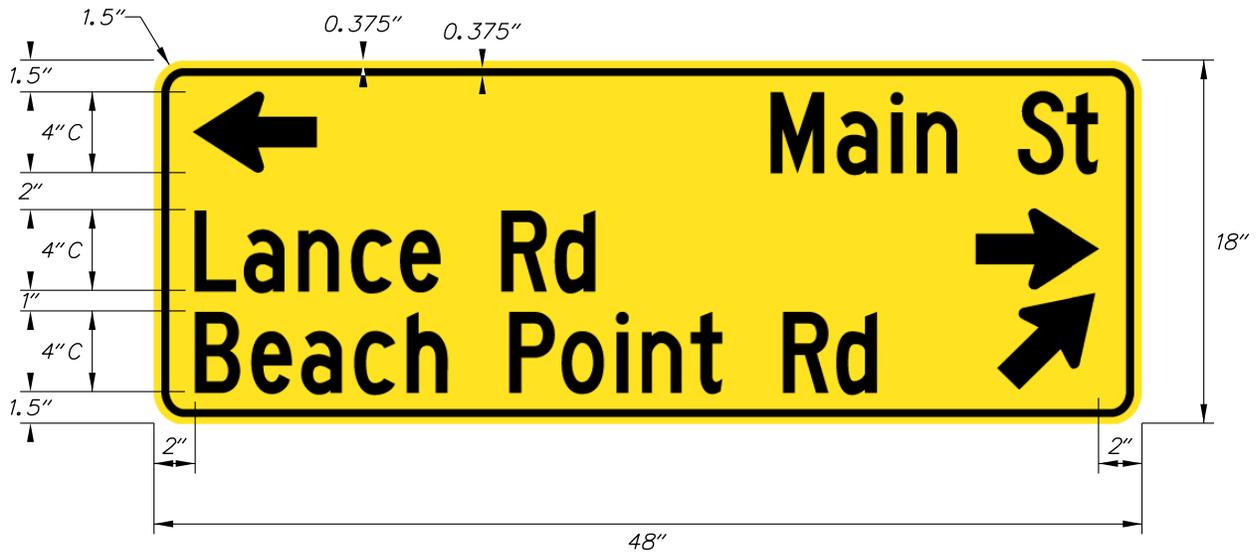


Figure 22. Double post; Panel size - 48" x 18" , Legend-Highway C (4") with normal letter kerning. One-line legends are right/left justified with directional arrows (6" x 4"). Left-side street legend is listed on the top. Left and right margin are minimum 2".

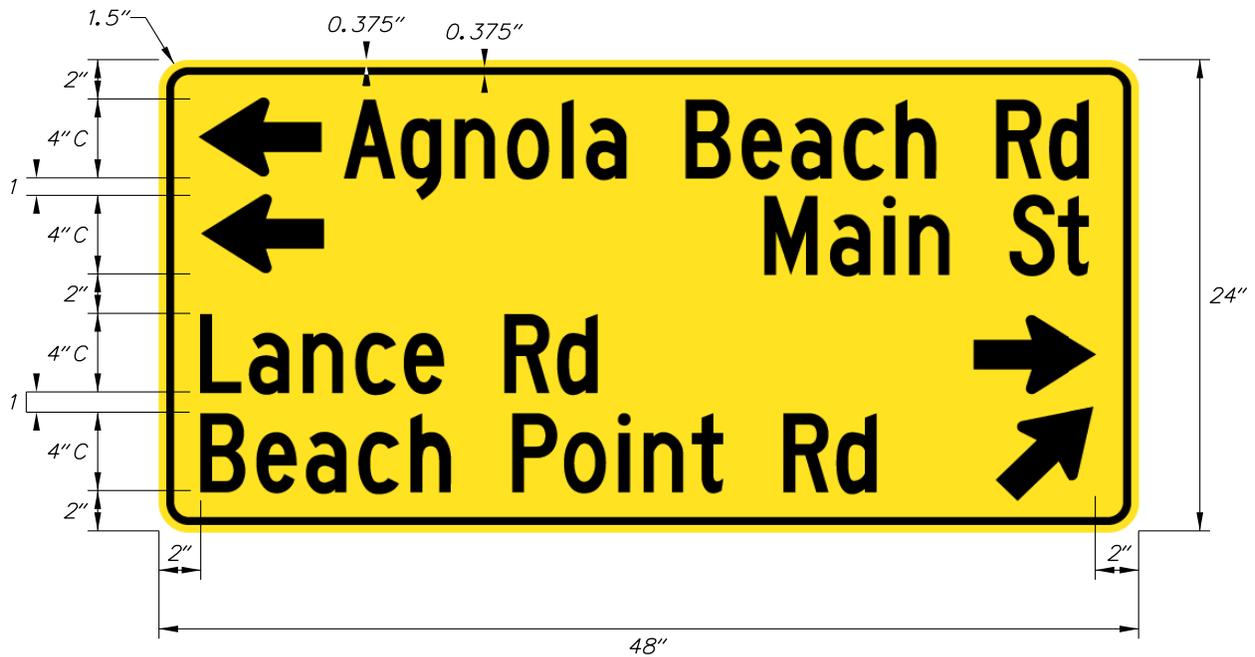


Figure 23. Double post; Panel size - 48" x 24" , Legend- Highway C (4") with narrow letter kerning. Two-line legend is shown with advanced turn arrow (6.25" x 5"), one-line legends are shown with directional arrows (6" x 4"). Two-line legend is center justified. One-line legends are left justified. Left-side street legend is listed on the top. Left and right margin are minimum 2".



Decals

