

CORRESPONDENCE/MEMORANDUM _____ *State of Wisconsin*

DATE: 5/14/2020
TO: All WisDOT Standard Sign Plate Holders
FROM: Ryan A. Mayer, P.E.
State Signing Engineer
SUBJECT: Revised WisDOT Standard Sign Plates

Listed below and placed in the Traffic Operations Manuals website are changes and additions to the WisDOT Standard Sign Plates. Please make your coworkers aware of the following changes and that they can be found at: <http://wisconsindot.gov/Pages/doing-bus/local-gov/traffic-ops/manuals-and-standards/manuals.aspx>

Many changes have taken place in this listing. The revisions are as follows:

Sign Plate Additions/Revisions

A3-1	A3-1M	A3-2	A3-3	A4-1	A4-3
A4-3S	A4-6	A4-7A	A4-7B	A4-8	A4-10
A5-2	D7-77A	G20-40	G20-57C	MR1-99	R9-10
R9-11A	R10-30A	R10-72	R10-85	R12-59	W1-13
W8-3	W8-7	W8-9A	W8-11	W8-12	W8-15
W8-17	W11-2	W16-7	W16-9P	W20-1	W20-40
W21-1	W21-1A	W21-2	W21-3	W21-5	W21-6
W21-7	W21-52	W21-60	W21-63	WO8-3	WO8-6A
WO8-6B	WO8-6C	WO8-7	WO8-15	WO8-74	WO8-76
WO8-77	WO11-2				

Retired Sign Plates

A4-7	W8-6A	W8-52	W8-74	W8-76	W08-52
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If you want to be removed from our distribution list or if your address has changed, please contact Ryan Mayer at the email address or phone number below.

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Bureau of Traffic Operations
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Madison, WI 53704
(608) 246-3810
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STANDARD SIGN PLATE LISTING

A1-1	A5-8	A11-17	D5-5B
A1-2	A5-9	A11-18	D5-61
A2-1	A5-10	D1-51	D5-62
A2-1S	A11-1	D1-55	D5-63
<u>A3-1</u>	A11-2	D1-56	D5-64
<u>A3-1M</u>	A11-3	D1-57	D5-65
<u>A3-2</u>	A11-4	D1-60	D5-66
<u>A3-3</u>	A11-5	D1-60A	D5-67
<u>A4-1</u>	A11-6	D1-61	D5-68
A4-2	A11-7	D1-63	D6-4
<u>A4-3</u>	A11-8A	D1-64	D6-4N
A4-3B	A11-8B	D1-65	D6-4S
<u>A4-3S</u>	A11-8C	D1-66	D6-51
A4-4	A11-9	D1-70	D6-53
A4-5	A11-10	D1-71	D7-51
<u>A4-6</u>	A11-11A	D1-72	D7-53
<u>A4-7A</u>	A11-11B	D4-1	D7-54
<u>A4-7B</u>	A11-11D	D4-2	D7-56
<u>A4-8</u>	A11-11F	D4-2A	D7-57
A4-9	A11-11G	D4-3	D7-59
<u>A4-10</u>	A11-11H	D4-4	D7-60
A4-11	A11-11I	D4-5A	D7-61
A4-12	A11-11J	D4-5	D7-63
A4-14	A11-11K	D4-51	D7-64
A4-15	A11-11L	D4-52	D7-66
A4-16	A11-12	D4-54	D7-67
A4-17	A11-13	D4-55	D7-68
A4-18	A11-14	D4-55A	D7-69
<u>A5-2</u>	A11-15	D4-56	D7-71
A5-3	A11-16	D5-5A	D7-72
A5-7			

STANDARD SIGN PLATE LISTING

D7-74	D11-10P	E5-54A	E10-61
D7-75	D12-2	E5-56A	E10-62
D7-77	D12-2A	E5-56L	E10-63
<u>D7-77A</u>	D12-2B	E5-57	E10-64
D7-81	D12-3	E5-57D	E10-82
D7-81A	D12-3A	E5-57E	E10-82A
D7-82	D12-5	E5-58	E10-83
D7-82A	D12-50	E5-60	E11-1
D7-82B	D13-3	E5-61	E13-1P
D7-91	D15-1	E5-62	G20-1
D7-92	D15-2	E5-63	G20-2A
D7-93	D16-1	E5-64	<u>G20-40</u>
D7-95	D17-2	E5-65	G20-51
D9-2	D17-7	E6-51	G20-52
D9-6	D52-53	E6-52	G20-52A
D9-13C	D52-54	E6-53	G20-53
D9-51	D52-58	E6-54A	G20-53A
D9-52	DB5-69	E6-54L	G20-55
D9-52A	DR1-53	E6-54R	G20-56
D9-54	E1-5	E7-1	G20-57
D9-54A	E2-1	E7-2	G20-57B
D10-3	E5-1	E7-3	<u>G20-57C</u>
D11-1	E5-1A	E7-4	G20-58
D11-1A	E5-1B	E9-1	G20-59
D11-6	E5-51	E10-51	G20-60
D11-7	E5-51A	E10-53	G20-61
D11-8	E5-52	E10-54	G20-62
D11-9	E5-52A	E10-55	G20-63
D11-10	E5-53	E10-56	G20-64
D11-10A	E5-54	E10-60	G20-65
			G20-66

STANDARD SIGN PLATE LISTING

G20-67	M1-9	M4-4	MR5-53
G20-68	M1-51	M4-5	MR5-54
I2-1	M1-54	M4-6	R1-1
I2-2	M1-55	M4-8	R1-1B
I2-2R	M1-56	M4-8A	R1-1F
I2-3	M1-56B	M4-9A	R1-2
I2-3A	M1-85	M4-9BA	R1-3P
I3-1	M1-85B	M4-9B	R1-5L
I5-1	M1-86	M4-9C	R1-5R
I52-52	M1-87	M4-9R	R1-6
I55-56	M1-88	M4-10	R1-9
I55-56B	M1-88A	M4-20C	R1-10P
I55-57	M1-90	M4-20L	R1-53
I55-57A	M1-91	M4-20R	R1-54
I56-50	M1-92	M4-21	R1-55
I57-10	M1-93	M4-22	R1-61
I57-10W	M1-94	M4-59A	R2-1
I60-50	M1-94H	M4-59L	R2-4
I60-51	M1-94S	M5-1	R2-6P
I60-52	M1-95	M5-51	R3-1
I60-53	M1-95A	M5-52	R3-2
I60-56	M1-96	M6-1	R3-3
JV-F	M1-97	M6-4	R3-4
M1-1	M1-98	M6-5	R3-4A
M1-4	M2-1	M6-50	R3-4B
M1-5A	M3-1	M7-1	R3-5
M1-6	M4-1	M50	R3-5A
M1-6B	M4-1A	<u>MR1-99</u>	R3-5U
M1-7	M4-2	MR4-53	R3-5X
M1-8	M4-3	MR4-56	R3-6
M1-8A			

STANDARD SIGN PLATE LISTING

R3-6T	R3-52C	R5-3	R7-53
R3-6U	R3-52P	R5-6	R7-63
R3-6V	R3-53	R5-50	R7-64
R3-6W	R3-54	R5-51	R7-65
R3-6X	R3-55A	R5-54	R7-66
R3-7	R3-57	R5-57	R8-4
R3-7B	R3-58	R5-57A	R8-7
R3-7C	R3-59	R5-57B	R8-8
R3-7S	R3-60	R5-60	R8-9
R3-8	R3-60X	R5-60RU	R8-10
R3-9B	R4-1	R5-96	R8-51
R3-9C	R4-2	R5-97	R8-52
R3-11D	R4-3	R5-98	R8-53
R3-12G	R4-4	R5-99	R8-54
R3-17	R4-5	R6-1	R8-55
R3-18	R4-7	R6-2	R8-56
R3-20L	R4-9	R6-3	R8-74
R3-20LL	R4-11	R6-4B	R9-1
R3-20R	R4-13	R6-6	R9-2
R3-20RR	R4-14	R6-7	R9-3
R3-25U	R4-18	R7-1	R9-3A
R3-27	R4-50	R7-2	R9-3B
R3-33	R4-52	R7-4	R9-3BL
R3-50	R4-53	R7-5	R9-4
R3-50A	R4-55	R7-6	R9-4A
R3-50U	R4-55S	R7-7	R9-8
R3-51	R5-1	R7-8	R9-9
R3-51L	R5-1A	R7-8A	<u>R9-10</u>
R3-51R	R5-1AB	R7-8V	R9-11
R3-52B	R5-2	R7-51	<u>R9-11A</u>
	R5-2A	R7-52	R9-53

STANDARD SIGN PLATE LISTING

R9-55	R10-15L	R11-54F	R55-51
R9-56	R10-15R	R12-1	R55-53
R9-98	R10-16	R12-2	R55-54
R9-99	R10-17A	R12-52	R55-58
R10-1	R10-23	R12-53	R55-58A
R10-2	R10-25	R12-54	R55-59
R10-3	R10-26	R12-55	R55-61
R10-3B	<u>R10-30A</u>	R12-56	R55-61M
R10-3E	R10-50	R12-57	R55-62
R10-3H	R10-61	R12-58	R55-63
R10-3I	R10-62	R12-58F	R55-64
R10-3J	R10-63	<u>R12-59</u>	R55-65
R10-3N	R10-64	<u>R12-70</u>	R55-66
R10-4	R10-64B	R12-70B	R55-67
R10-4B	R10-64F	R13-1	RR2-60
R10-4D	R10-65	R13-49	S1-1
R10-4X	R10-70	R13-50	S1-51
R10-5	R10-71	R14-1	S3-1
R10-6	<u>R10-72</u>	R14-52	S3-51
R10-6B	<u>R10-85</u>	R15-3	S4-2
R10-7	R11-2	R15-50	S4-5
R10-10	R11-2B	R52-55	S4-51
R10-10A	R11-3	R52-57A	S4-52
R10-11	R11-3B	R52-59	S5-2
R10-11B	R11-3C	R53-51	S13-1
R10-11C	R11-4	R53-52	S16-5P
R10-11F	R11-5	R53-53	S16-7
R10-11S	R11-51	R53-55	S16-8
R10-11T	R11-52	R53-56	S16-9P
R10-12	R11-53	R53-57	S54-61
			S57-51

STANDARD SIGN PLATE LISTING

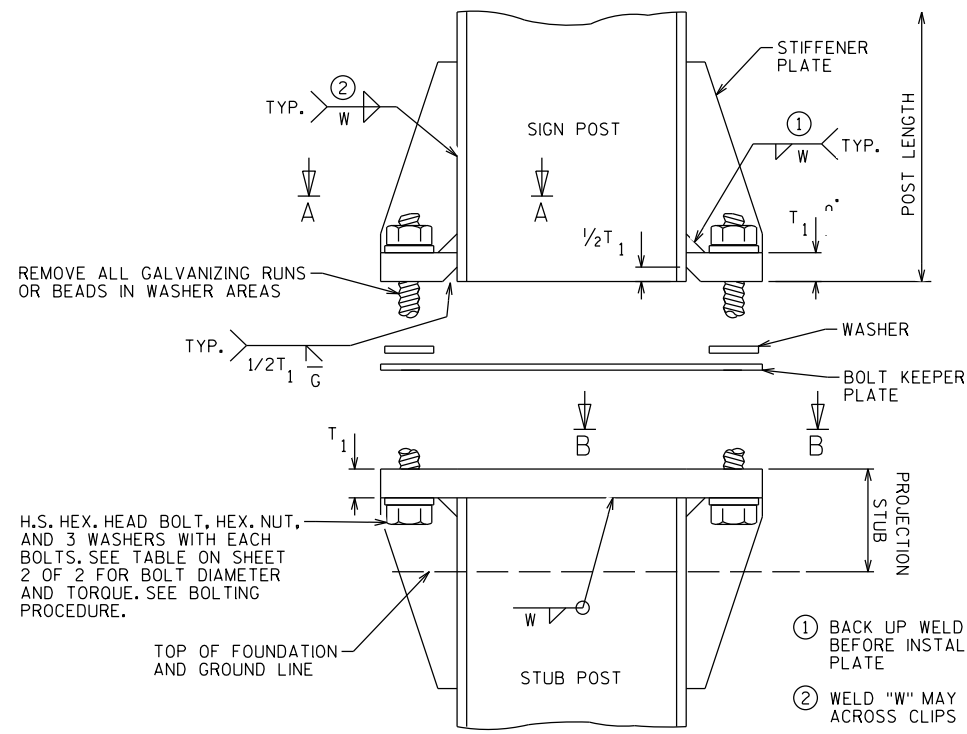
W1-2	W3-6	W6-1	<u>W8-17</u>
W1-3	W3-8	W6-3	W8-57
W1-4	W4-1	W6-53	W8-58
W1-4B	W4-2	W6-54	W8-60
W1-4C	W4-3	W6-54A	W8-61
W1-5	W4-4A	W6-54B	W8-62
W1-6	W4-4B	W6-54C	W8-63
W1-7	W4-4C	W6-54D	W8-64
W1-8	W4-4P	W6-60	W8-65
W1-8B	W4-6	W7-1	W8-66
W1-10	W4-7	W7-2B	W8-67
W1-10F	W5-1	W7-3	W8-68
W1-11	W5-2	W7-6	W8-69
<u>W1-13L</u>	W5-3	W7-61	W8-70
<u>W1-13R</u>	W5-52	W8-1	W8-71
W1-51	W5-53	W8-1A	W8-72
W1-60	W5-53S	W8-2	W8-72P
W2-1	W5-54	<u>W8-3</u>	W8-73
W2-2	W5-56	W8-4	W8-75
W2-3	W5-57	W8-5	W9-1
W2-6	W5-58D	W8-6	W9-2
W2-7L	W5-58L	<u>W8-7</u>	W9-3A
W2-7R	W5-58R	W8-8	W9-62
W2-50	W5-59L	W8-9	W9-63
W3-1	W5-59R	<u>W8-9A</u>	W10-1
W3-1B	W5-60L	<u>W8-11</u>	W10-1A
W3-2	W5-60R	<u>W8-12</u>	W10-2
W3-3	W5-61	W8-14	W10-3
W3-4	W5-64	<u>W8-15</u>	W10-4
W3-5	W5-65	W8-16	W10-5

STANDARD SIGN PLATE LISTING

W10-11A	W13-2B	W20-53	W24-1Br
W10-11B	W13-2C	W20-58	W24-1P
W10-12	W13-2D	<u>W21-1</u>	W25-2
W10-52	W13-3	<u>W21-1A</u>	W54-51
W11-1	W13-3A	<u>W21-2</u>	W54-52
<u>W11-2</u>	W13-3B	<u>W21-3</u>	W54-53
W11-4	W13-3C	<u>W21-5</u>	W54-54
W11-5	W13-3D	W21-5A	W54-55
W11-6	W14-1	W21-5B	W54-56
W11-7	W14-2	<u>W21-6</u>	W54-57
W11-8	W14-3	<u>W21-7</u>	W54-58
W11-9	W16-1P	W21-51	W54-59
W11-11	W16-2A	<u>W21-52</u>	W54-60
W11-14	W16-5P	<u>W21-60</u>	W54-62
W11-15	<u>W16-7</u>	W21-61	W54-63
W11-15A	W16-7D	W21-62	W56-51
W11-50	<u>W16-9P</u>	W21-62P	W57-51
W11-55	W16-15P	W21-62Q	W57-52
W11-57	W19-1	W21-62R	WO1-1
W11-59P	W19-2	<u>W21-63</u>	WO1-2
W12-1	<u>W20-1</u>	W21-64	WO1-3
W12-1D	W20-2	W21-66	WO1-4B
W12-2	W20-3	W22-1	WO1-4
W12-2A	W20-4	W22-2	WO1-4C
W12-50	W20-5	W22-3	WO1-6
W12-52	W20-7	W23-2	WO1-7
W12-52P	W20-7A	W24-1L	WO3-1
W13-1	<u>W20-40</u>	W24-1R	WO3-2
W13-2	W20-50	W24-1aL	WO3-3
W13-2A	W20-50M	W24-1aR	WO3-4
		W24-1bL	

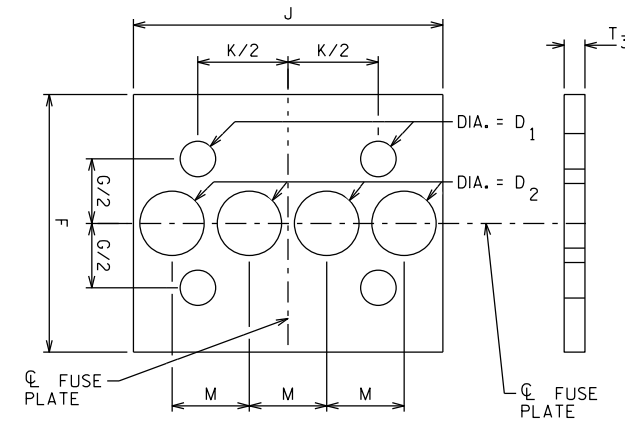
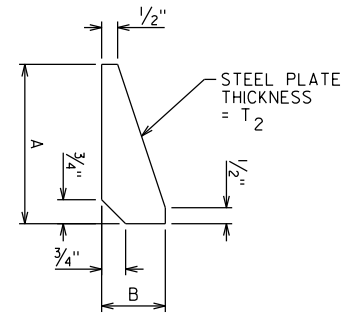
STANDARD SIGN PLATE LISTING

W03-5	W08-9
W04-1	<u>W08-15</u>
W04-2	<u>W08-74</u>
W04-3	<u>W08-76</u>
W04-5	<u>W08-77</u>
W04-5P	W09-1
W05-1	W09-2
W05-2	<u>W011-2</u>
W05-52	W012-1
W05-53	W012-
W05-58	1D
W05-58D	W013-1
W05-59	W013-2
W05-60	W016-7
W06-1	W016-9P
W06-2	W024-1
W06-3	W057-51
W07-61	W057-52
W08-1	
W08-1A	
W08-2	
<u>W08-3</u>	
W08-4	
W08-5	
W08-6	
<u>W08-6A</u>	
<u>W08-6B</u>	
<u>W08-6C</u>	
<u>W08-7</u>	
W08-8	



SIGN POST & STUB POST ELEVATION

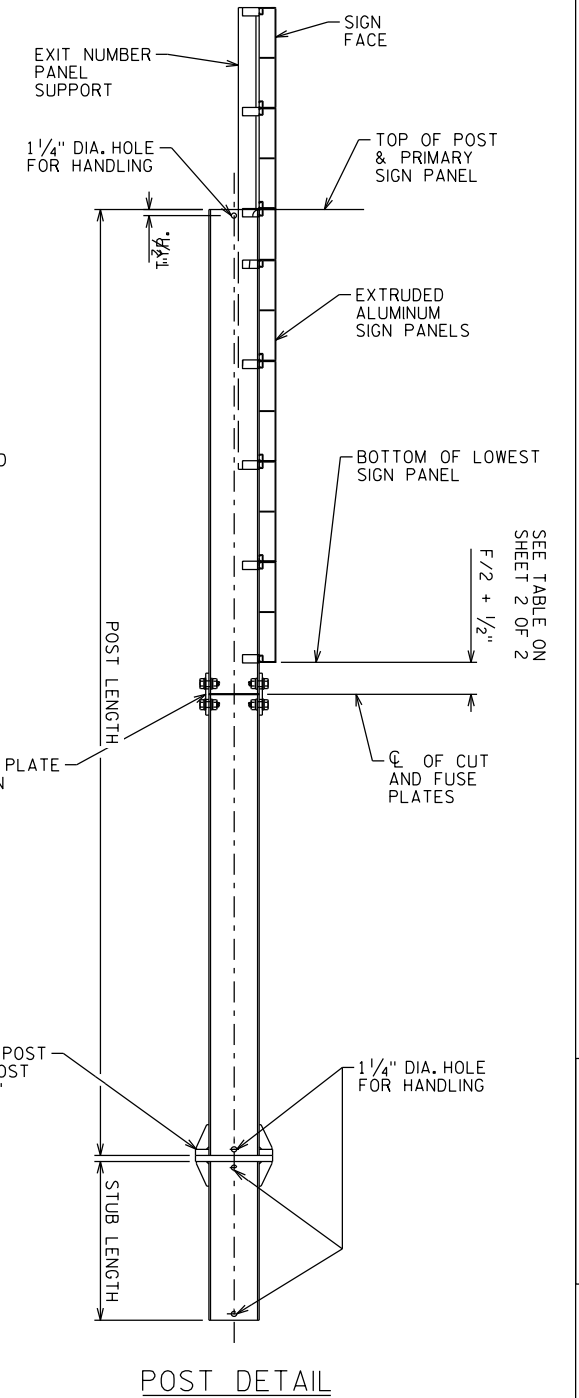
STIFFENER PLATE DETAIL
(REFER TO TABLE ON SHEET 2 OF 2 FOR DIMENSIONS)



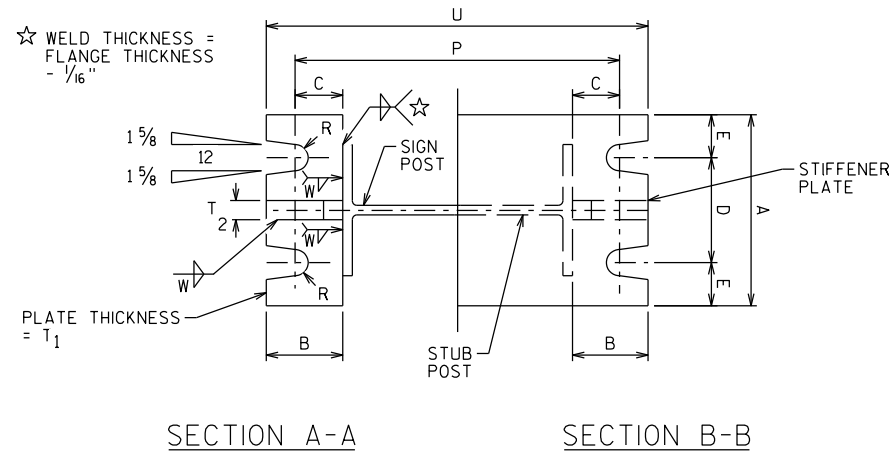
PERFORATED FUSE PLATE DETAIL

USE H.S. HEX HEAD BOLTS, HEX HEAD NUT AND FLAT WASHER UNDER NUT. INSTALL BOLTS PER THE WISCONSIN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATION SECTION 506.3.12.3.

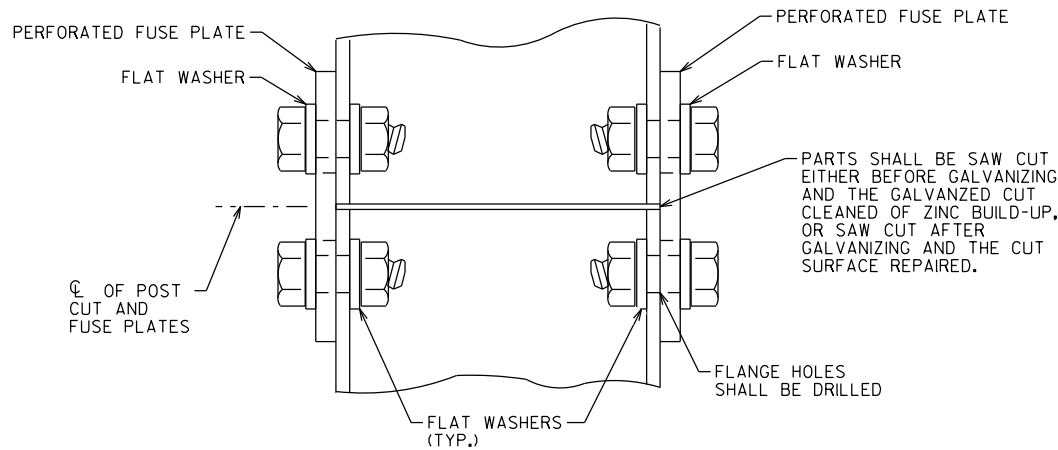
ALL HOLES SHALL BE DRILLED, SUB-PUNCHED AND REAMED. ALL PLATE CUTS SHALL PREFERABLY BE SAW CUTS. HOWEVER, FLAME CUTTING WILL BE PERMITTED PROVIDED ALL EDGES ARE GROUND. METAL PROJECTING BEYOND THE PLANE OF THE PLATE FACE WILL NOT BE PERMITTED. STEEL FUSE PLATES SHALL CONFORM TO THE REQUIREMENTS OF ASTM A36, ASTM A572 GRADE 50 OR ASTM A588 MAY BE SUBSTITUTED FOR A36 AT THE OPTION OF THE FABRICATOR. MILL TEST REPORTS SHALL BE SUBMITTED FOR FUSE PLATES. STEEL USED SHALL HAVE AN ULTIMATE TENSILE STRENGTH NOT TO EXCEED 80 KSI.



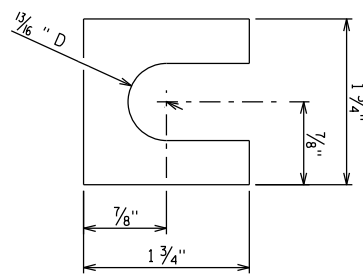
POST DETAIL



BOLT KEEPER PLATE DETAIL
30 GA GALVANIZED SHEET STEEL



FUSE PLATE CONNECTION DETAIL



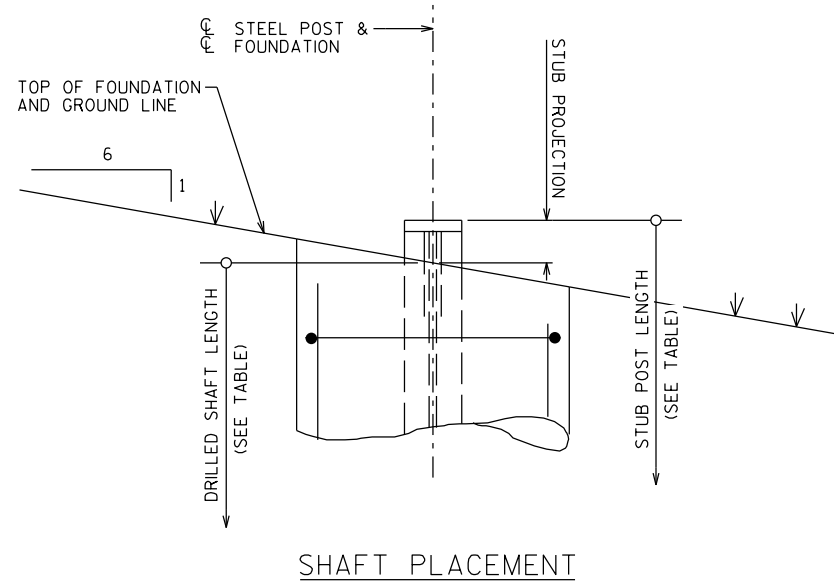
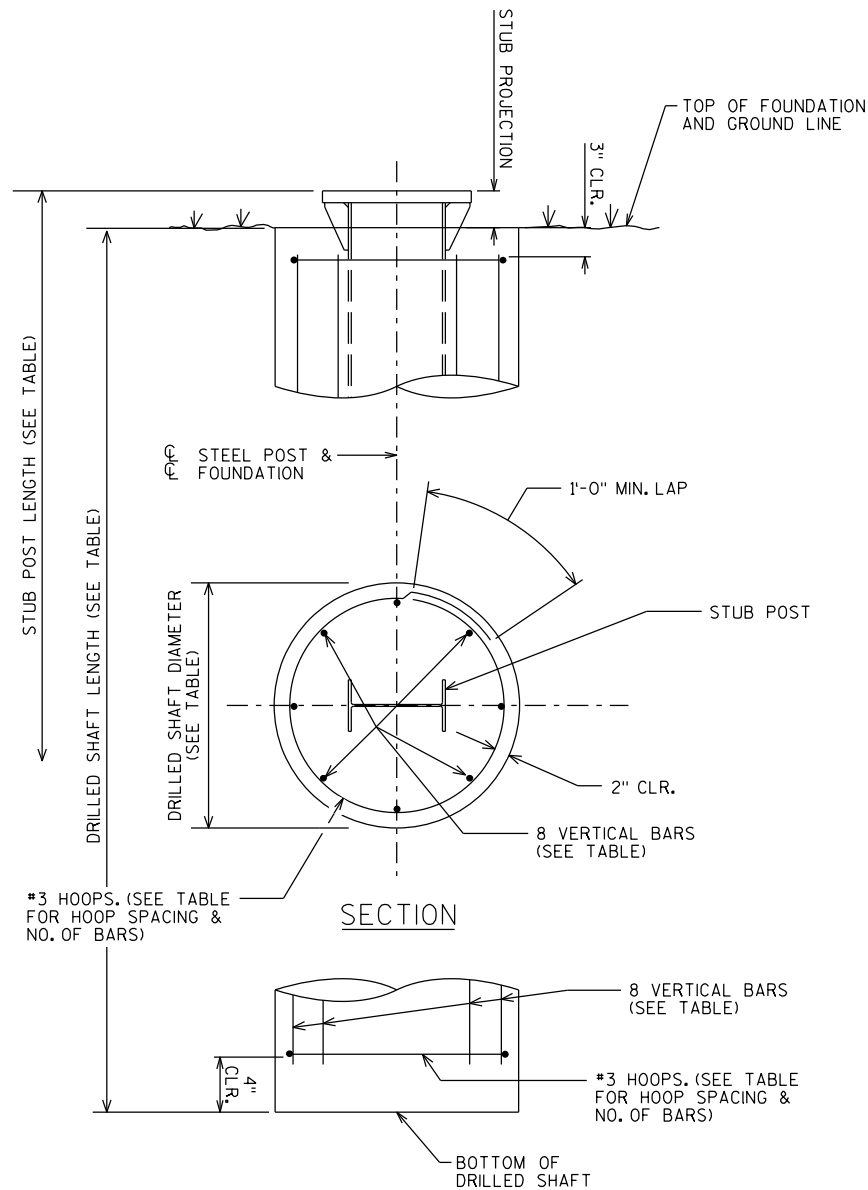
SHIM DETAIL

FURNISH TWO .012"± THICK AND TWO .032"± THICK SHIMS PER POST. SHIMS SHALL BE FABRICATED FROM BRASS SHIM STOCK OR STRIP CONFORMING TO ASTM B36.

BOLTING PROCEDURE FOR BASE CONNECTION

- ASSEMBLE SIGN POST, BOLT KEEPER PLATE, AND STUB POST WITH BOLTS AND THREE FLAT WASHERS PER BOLT AS SHOWN.
- SHIM AS REQUIRED TO PLUMB POST.
- PRIOR TO BOLT TIGHTENING, LUBRICATE BASE CONNECTION BOLTS WITH BEESWAX OR OTHER HIGH-WAX LUBRICANT.
- TIGHTEN ALL BOLTS THE MAXIMUM POSSIBLE WITH A 12" OR 15" WRENCH TO BED WASHERS & SHIMS AND TO CLEAN BOLT THREADS.
- LOOSEN EACH BOLT IN TURN AND RETIGHTEN IN A SYSTEMATIC ORDER TO THE PERSCRIBED TORQUE. (SEE TABLE FOR PERSCRIBED TORQUE). DO NOT OVER-TIGHTEN.
- BURR THREADS AT JUNCTION WITH NUT USING A CENTER PUNCH TO PREVENT NUT LOOSENING.

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
STRUCTURE BTO TYPE I SIGNS			
DRAWN BY		PLANS CK'D.	
CONNECTION & FOUNDATION DETAILS 1 OF 2			SHEET A3-1.20



FOUNDATION DATA TABLE

POST SHAPE	STUB LENGTH	STUB PROJECTION	DRILLED SHAFT DIAMETER	DRILLED SHAFT LENGTH	VERTICAL BARS		HOOPS		CONCRETE VOLUME	TOTAL REINF. WEIGHT
					SIZE	LENGTH	MAX SPA.	NO.		
W6X15	2'-6"	3"	24"	6'-6"	#5	5'-11"	10"	9	0.8 CY	71 LB
W8X18	2'-6"	3"	24"	7'-6"	#6	6'-11"	12"	8	0.9 CY	102 LB
W8X21	3'-0"	2 1/2"	24"	8'-0"	#6	7'-5"	12"	9	1.0 CY	110 LB
W10X22	3'-0"	2 1/2"	24"	8'-6"	#7	7'-11"	12"	9	1.0 CY	151 LB
W12X26	3'-0"	2 1/2"	24"	10'-0"	#7	9'-5"	12"	11	1.2 CY	180 LB

◆ QUANTITIES SHOWN ARE FOR ONE DRILLED SHAFT

BASE CONNECTION & FUSE PLATE DATA TABLE

POST SHAPE	WEIGHT PER FOOT	BOLT SIZE & TORQUE	BASE CONNECTION DATA										BOLT KEEPER PLATE DATA		PERFORATED FUSE PLATE DATA										BOLT LENGTH	V
			A	B	C	D	E	T1	T2	W	R	P	U	F	G	J	K	M	D1	D2	T3	BOLT DIA.	WGT. EA. LBS			
W6X15	15 LB	5/8" DIA. X 4"	5"	2"	1 1/4"	2 3/4"	1 1/8"	1 1/4"	1/2"	1/4"	1 1/32"	8 1/2"	10"	5"	2 1/2"	6"	3 1/2"	1 1/2"	1 1/16"	1 1/4"	3 3/8"	5 3/8"	2.4	2	73.0 LB	
W8X18	18 LB	3/4" DIA. X 4"	5"	2"	1 1/4"	2 3/4"	1 1/8"	1 1/4"	1/2"	1/4"	1 1/32"	10 5/8"	12 1/8"	5"	2 1/2"	5 1/4"	2 3/4"	1 1/4"	1 1/16"	1 1/16"	3 3/8"	5 3/8"	2.0	2	83.0 LB	
W8X21	21 LB	3/4" DIA. X 4 3/4"	6"	2 1/4"	1 3/8"	3 1/2"	1 1/4"	1 1/2"	3/4"	5/16"	1 1/32"	11"	12 3/4"	5 1/2"	2 1/2"	5 1/4"	2 3/4"	1 1/4"	1 1/16"	1"	1 1/2"	3 3/4"	3.1	2 1/4"	124.0 LB	
W10X22	22 LB	3/4" DIA. X 4 3/4"	6"	2 1/4"	1 3/8"	3 1/2"	1 1/4"	1 1/2"	3/4"	5/16"	1 1/32"	12 7/8"	14 5/8"	6"	3"	5 3/4"	2 3/4"	1 3/8"	1 1/16"	1 1/8"	1 1/2"	3 3/4"	3.9	2 1/4"	134.0 LB	
W12X26	26 LB	3/4" DIA. X 4 3/4"	6"	2 1/4"	1 3/8"	3 1/2"	1 1/4"	1 1/2"	3/4"	5/16"	1 1/32"	15"	16 3/4"	6"	3"	6 1/2"	3 1/2"	1 5/8"	1 1/16"	1 1/2"	3 3/4"	4.5	2 1/4"	152.0 LB		

◆ TOTAL STRUCTURAL CARBON STEEL WEIGHT FOR ONE POST = V + (POST LENGTH X POST WEIGHT PER FOOT)

"V" INCLUDES STUB POST, BASE PLATES, STIFFENER PLATES, PERFORATED FUSE PLATES, BOLTS, NUTS, AND WASHERS.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED

MATERIALS SHALL CONFORM TO THE WISCONSIN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS SECTION 506, UNLESS NOTED OTHERWISE.

FABRICATION SHALL CONFORM TO THE WISCONSIN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS SECTION 506.

ALL POST, POST STUBS & ATTACHMENTS SHALL BE ASTM A709 GRADE 50, GALVANIZED IN ACCORDANCE WITH ASTM A123.

THE POST, BASE PLATES, UPPER SIX INCHES OF STUB POST, FLANGE SPLICE PLATE AND FUSE PLATE SHALL BE GALVANIZED AFTER FABRICATION.

H.S. BOLTS, WASHERS, & NUTS SHALL BE A325 GALVANIZED.

FOUNDATION MATERIAL PROPERTIES

CONCRETE MASONRY F'C = 3,500 P.S.I.

BAR STEEL REINFORCEMENT (UNCOATED), GRADE 60 F_y = 60,000 P.S.I.

DESIGN DATA

DESIGN CONFORMS TO AASHTO LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS 1ST EDITION 2015 (WITH 2017 & 2018 INTERIM REVISIONS).

- DEAD LOADS (DL):
- STEEL POST SELF WEIGHT
 - SIGN PANEL WEIGHT = 3 PSF
- WIND LOADS (WL):
- WIND LOADS WERE APPLIED TO THE PROJECTED AREAS OF THE SIGN PANELS AND THE STEEL SIGN POSTS.
- BASIC WIND SPEED = 76 MPH
 - MEAN RECURRENCE INTERVAL (MRI) = 10 YEARS
 - HEIGHT & EXPOSURE FACTOR = 1.00
 - DIRECTIONALITY FACTOR = 0.85
 - GUST EFFECT FACTOR = 1.14
- WIND LOAD CASES:
- WL CASE 1: 1.0 X NORMAL WIND
 - WL CASE 2: 1.0 X TRANSVERSE WIND
 - WL CASE 3: 0.75 X NORMAL WIND + 0.75 X TRANSVERSE WIND

LOAD COMBINATIONS:

LOAD COMBINATION	TYPE	DL FACTOR	WL FACTOR
STRENGTH I	GRAVITY	1.25	-
EXTREME I	WIND	1.10	1.0
		0.9	1.0
SERVICE I	DEFLECTION	1.0	1.0

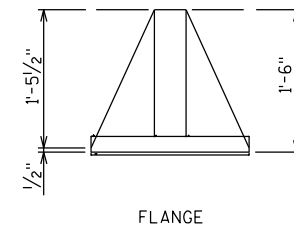
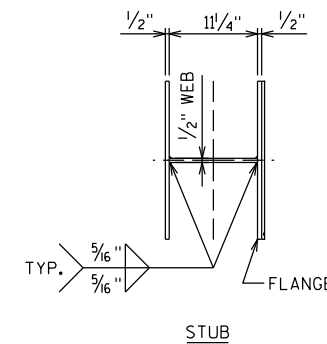
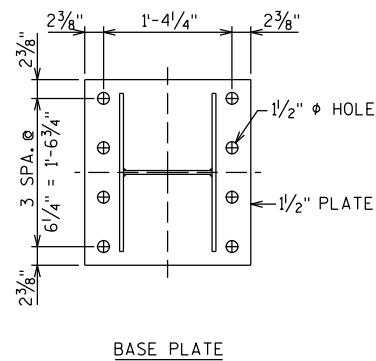
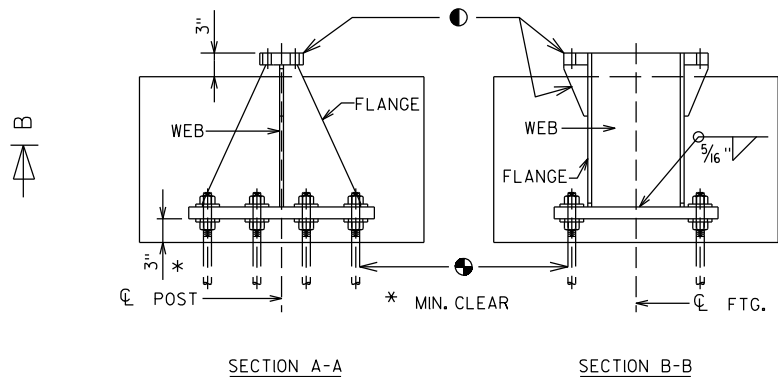
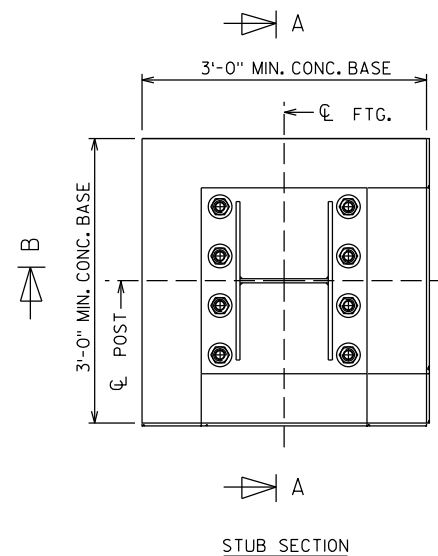
FOUNDATION DESIGN DATA

THE FOUNDATION DESIGN ASSUMED COHESIONLESS SOILS (LOOSE SAND) ABOVE THE WATER TABLE WITH THE FOLLOWING PROPERTIES:

- SOIL UNIT WEIGHT = 115 PCF
- ANGLE OF INTERNAL FRICTION = 24 DEGREES
- SOIL MODULUS PARAMETER = 25 LB/IN³

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
STRUCTURE BTO TYPE I SIGNS			
DRAWN BY		PLANS CK'D.	
CONNECTION & FOUNDATION DETAILS 2 OF 2		SHEET A3-1.20	

STUB AND ADHESIVE ANCHOR DETAILS



- SEE BASE CONNECTION DETAILS ON "CONNECTIONS & FOUNDATION DETAILS" SHEETS.
- ADHESIVE ANCHORS 1/4"-INCHES. ALLOWABLE PULL OUT CAPACITY = 15 KIPS. EMBED 1'-3" INTO ROCK.

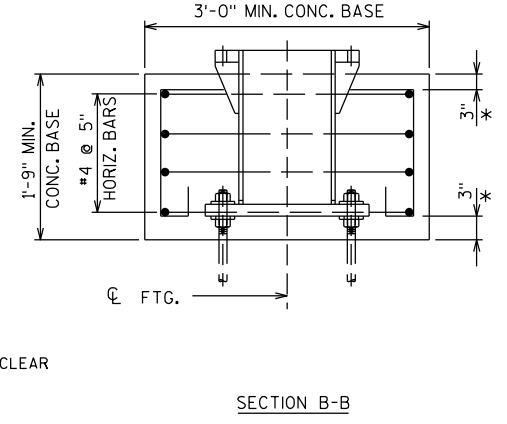
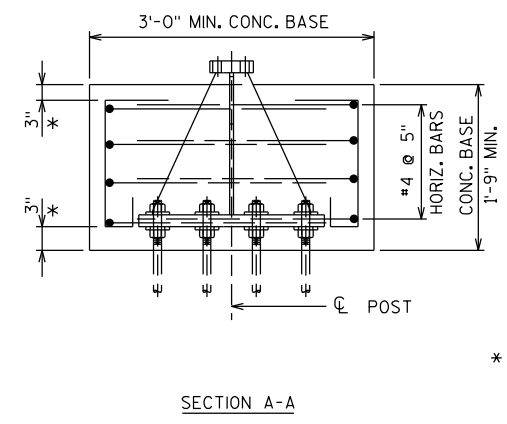
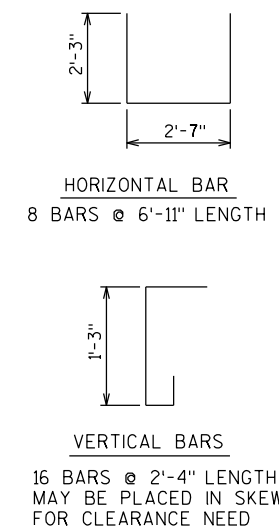
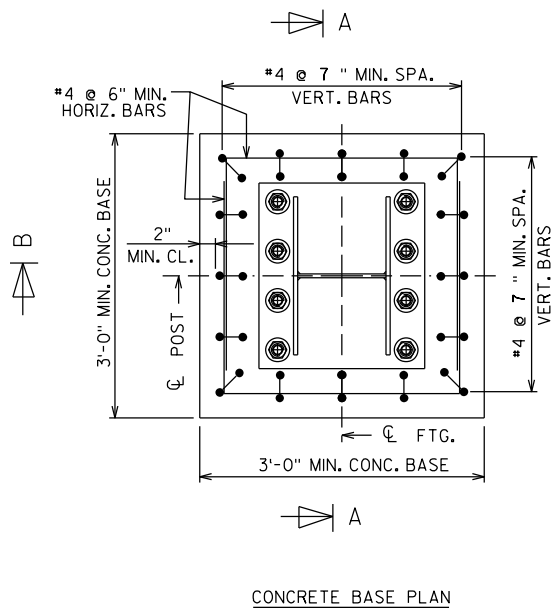
GENERAL NOTES:

QUANTITIES PER BASE:
 REINFORCING STEEL = 62 LB
 CONCRETE = 0.6 CY
 STRUCTURAL STEEL = 335 LB

ALL MATERIALS, EXCEPT FOR ANCHOR ROD, NUTS, AND WASHERS, SHALL BE ASTM A709 GRADE 50. ALL MATERIALS TO BE GALVANIZED AFTER FABRICATION.

IF ROCK IS ENCOUNTERED PRIOR TO REACHING THE MINIMUM DRILLED SHAFT EMBEDMENT DEPTH DEFINED ON THE FOUNDATION DATA TABLE OF THE "CONNECTIONS & FOUNDATION DETAILS 2 OF 2" SHEET, THE CONTRACTOR SHALL INSTALL A TEST ADHESIVE ANCHOR AND DETERMINE THE PULL-OUT CAPACITY. IF THE FIELD TEST RESULTS IN A PULL-OUT CAPACITY GREATER THAN OR EQUAL TO 15 KIPS, THE CONTRACTOR MAY INSTALL THE ALTERNATE CONCRETE BASE AND BREAK-WAY STUB PER THE DETAILS ON THIS SHEET.

CONCRETE BASE DETAILS



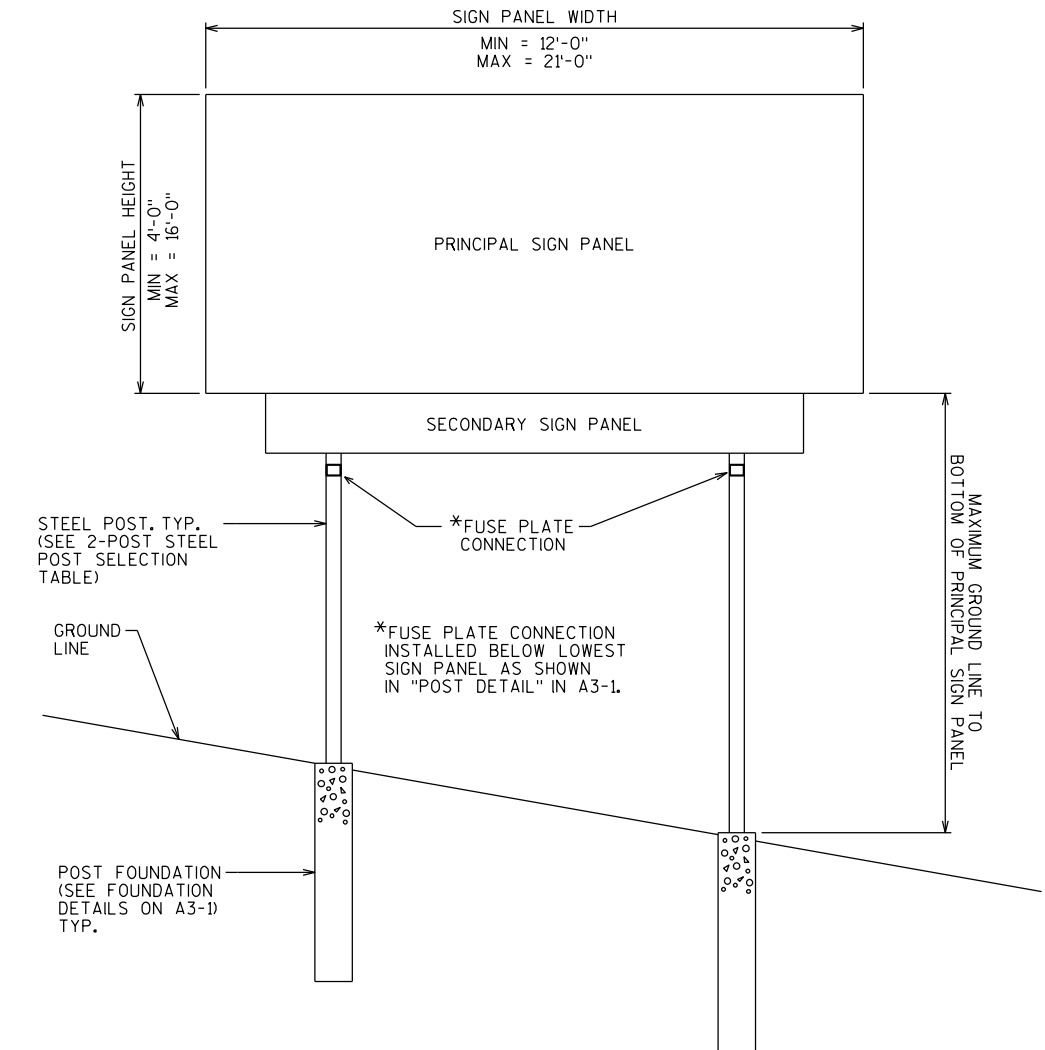
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NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
STRUCTURE BTO TYPE I SIGNS			
DRAWN BY		PLANS CK'D.	
ALTERNATE BREAK-AWAY BASE ON ROCK			SHEET A3-1M.2

2-POST STEEL POST SELECTION TABLE

SIGN PANEL HEIGHT	MAXIMUM GROUND LINE TO BOTTOM OF PRINCIPAL SIGN PANEL													SIGN PANEL WIDTH																					
	16'	15'	14'	13'	12'	11'	10'	9'	8'	7'	6'	5'	4'	3'	10'-0"	11'-0"	12'-0"	13'-0"	14'-0"	15'-0"	16'-0"	17'-0"	18'-0"	19'-0"	20'-0"	21'-0"									
14'	15'	16'	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
13'	14'	15'	16'	-	-	-	-	-	-	-	-	-	-	-	W12X26	-	-	-	-	-	-	-	-	-	-	-	-								
12'	13'	14'	15'	16'	-	-	-	-	-	-	-	-	-	-	W12X26	W12X26	W12X26	-	-	-	-	-	-	-	-	-	-								
11'	12'	13'	14'	15'	16'	-	-	-	-	-	-	-	-	-	W12X26	W12X26	W12X26	W12X26	-	-	-	-	-	-	-	-	-								
10'	11'	12'	13'	14'	15'	16'	-	-	-	-	-	-	-	-	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	-	-	-	-	-	-	-								
9'	10'	11'	12'	13'	14'	15'	16'	-	-	-	-	-	-	-	W10X22	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	-	-	-	-	-								
8'	9'	10'	11'	12'	13'	14'	15'	16'	16'	16'	16'	16'	16'	16'	W8X21	W10X22	W10X22	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	-	-	-								
7'	8'	9'	10'	11'	12'	13'	14'	15'	15'	15'	15'	15'	15'	15'	W8X21	W8X21	W8X21	W10X22	W10X22	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	-	-	-							
6'	7'	8'	9'	10'	11'	12'	13'	14'	14'	14'	14'	14'	14'	14'	W8X21	W8X21	W8X21	W8X21	W10X22	W10X22	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26						
5'	6'	7'	8'	9'	10'	11'	12'	13'	13'	13'	13'	13'	13'	13'	W8X18	W8X18	W8X21	W8X21	W10X22	W10X22	W10X22	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26					
4'	5'	6'	7'	8'	9'	10'	11'	12'	12'	12'	12'	12'	12'	12'	W6X15	W8X18	W8X18	W8X18	W8X21	W10X22	W10X22	W10X22	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26				
-	4'	5'	6'	7'	8'	9'	10'	11'	11'	11'	11'	11'	11'	11'	W6X15	W6X15	W8X18	W8X18	W8X21	W8X21	W10X22	W10X22	W10X22	W12X27	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26				
-	-	4'	5'	6'	7'	8'	9'	10'	10'	10'	10'	10'	10'	10'	W6X15	W6X15	W8X18	W8X18	W8X18	W8X21	W8X21	W8X21	W10X22	W10X22	W10X22	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26				
-	-	-	4'	5'	6'	7'	8'	9'	9'	9'	9'	9'	9'	9'	W6X15	W6X15	W6X15	W8X18	W8X18	W8X18	W8X21	W8X21	W10X22	W10X22	W10X22	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26			
-	-	-	-	4'	5'	6'	7'	8'	8'	8'	8'	8'	8'	8'	W6X15	W6X15	W6X15	W6X15	W6X15	W8X18	W8X18	W8X18	W8X21	W8X21	W10X22	W10X22	W10X22	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26		
-	-	-	-	-	4'	5'	6'	6'	6'	6'	6'	6'	6'	6'	W6X15	W6X15	W6X15	W6X15	W6X15	W6X15	W8X18	W8X18	W8X18	W8X21	W8X21	W10X22	W10X22	W10X22	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	
-	-	-	-	-	-	4'	5'	5'	5'	5'	5'	5'	5'	5'	W6X15	W6X15	W6X15	W6X15	W6X15	W6X15	W6X15	W6X15	W8X18	W8X18	W8X18	W8X21	W8X21	W8X21	W8X21	W8X21	W8X21	W8X21	W8X21	W8X21	
-	-	-	-	-	-	-	4'	4'	4'	4'	4'	4'	4'	4'	W6X15	W6X15	W6X15	W6X15	W6X15	W6X15	W6X15	W6X15	W6X15	W6X15	W8X18	W8X18	W8X18	W8X18	W8X18	W8X18	W8X18	W8X18	W8X18	W8X18	W8X18



STEEL POST SELECTION NOTES:

USE PROPOSED SIGN PANEL DIMENSIONS AND THE MAXIMUM HEIGHT FROM THE GROUND LINE TO THE BOTTOM OF THE PRINCIPAL SIGN PANEL TO DETERMINE THE MINIMUM REQUIRED STEEL POST SIZE.

"-" INDICATES THAT THERE IS NO STANDARD STEEL POST DESIGN FOR THE PROPOSED SIGN CONFIGURATION. CONTACT THE WISDOT BUREAU OF STRUCTURES TO REQUEST AN ANALYSIS AND DESIGN FOR THE PROPOSED SIGN CONFIGURATION.

IF THE MAXIMUM PROPOSED HEIGHT FROM THE GROUND LINE TO BOTTOM OF SIGN PANEL IS NOT IN A 1-FOOT INCREMENT, SELECT THE MINIMUM REQUIRED STEEL POST SIZE BASED ON THE NEXT LARGEST 1-FOOT INCREMENT. (FOR EXAMPLE, IF THE PROPOSED GROUND LINE TO BOTTOM OF SIGN PANEL HEIGHT IS 14'-2", SELECT THE POST SIZE BASED ON A GROUND LINE TO BOTTOM OF SIGN PANEL HEIGHT OF 15'-0").

IF A PROPOSED SIGN PANEL HEIGHT DIMENSION IS IN A 6" INCREMENT, SELECT THE MINIMUM REQUIRED STEEL POST SIZE THAT FALLS WITHIN THE NEXT LARGEST 1-FOOT INCREMENT. (FOR EXAMPLE, IF THE REQUIRED SIGN PANEL HEIGHT IS 12'-6", SELECT THE POST SIZE BASED ON A SIGN PANEL HEIGHT OF 13'-0")

FOR PROPOSED SIGN CONFIGURATIONS WHERE THE POST HEIGHTS VARY, SELECT THE STEEL POST SIZE BASED ON THE MAXIMUM DIMENSION FROM THE GROUND LINE TO THE BOTTOM OF PRINCIPAL SIGN PANEL. (FOR EXAMPLE, IF THE DIMENSION FROM THE GROUND LINE TO THE BOTTOM OF THE PRINCIPAL SIGN PANEL IS 8- FEET FOR ONE POST AND 10- FEET FOR THE SECOND POST, SELECT THE POST SIZE BASED ON THE 10-FOOT DIMENSION.)

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2-POST SIGN CONFIGURATION

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
STRUCTURE BTO TYPE I SIGNS			
		DRAWN BY	PLANS CK'D.
2-POST SIGN CONFIGURATION			SHEET A3-2.6

3-POST STEEL POST SELECTION TABLE

SIGN PANEL HEIGHT	MAXIMUM GROUND LINE TO BOTTOM OF PRINCIPAL SIGN PANEL										SIGN PANEL WIDTH																										
	14'	13'	12'	11'	10'	9'	8'	7'	6'	5'	12'-0"	13'-0"	14'-0"	15'-0"	16'-0"	17'-0"	18'-0"	19'-0"	20'-0"	21'-0"	22'-0"	23'-0"	24'-0"	25'-0"	26'-0"	27'-0"	28'-0"	29'-0"	30'-0"	31'-0"	32'-0"	33'-0"	34'-0"	35'-0"	36'-0"		
16'	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
15'	16'	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
14'	15'	16'	-	-	-	-	-	-	-	-	W12X26	W12X26	W12X26	W12X26	W12X26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
13'	14'	15'	16'	-	-	-	-	-	-	-	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
12'	13'	14'	15'	16'	-	-	-	-	-	-	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
11'	12'	13'	14'	15'	16'	-	-	-	-	-	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10'	11'	12'	13'	14'	15'	16'	-	-	-	-	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26		
9'	10'	11'	12'	13'	14'	15'	16'	-	-	-	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	
8'	9'	10'	11'	12'	13'	14'	15'	16'	-	-	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	
7'	8'	9'	10'	11'	12'	13'	14'	15'	16'	-	W10X22	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26
6'	7'	8'	9'	10'	11'	12'	13'	14'	15'	-	W10X22	W10X22	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26
5'	6'	7'	8'	9'	10'	11'	12'	13'	14'	-	W8X21	W10X22	W10X22	W10X22	W10X22	W10X22	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26
4'	5'	6'	7'	8'	9'	10'	11'	12'	13'	-	W8X21	W8X21	W10X22	W10X22	W10X22	W10X22	W10X22	W10X22	W10X22	W10X22	W10X22	W10X22	W10X22	W10X22	W10X22	W10X22	W10X22	W10X22	W10X22	W10X22	W10X22	W10X22	W10X22	W10X22	W10X22	W10X22	W10X22
-	4'	5'	6'	7'	8'	9'	10'	11'	12'	-	W8X18	W8X21	W8X21	W10X22	W10X22	W10X22	W10X22	W10X22	W10X22	W10X22	W10X22	W10X22	W10X22	W10X22	W10X22	W10X22	W10X22	W10X22	W10X22	W10X22	W10X22	W10X22	W10X22	W10X22	W10X22	W10X22	W10X22
-	-	4'	5'	6'	7'	8'	9'	10'	11'	-	W8X18	W8X18	W8X21	W8X21	W8X21	W8X21	W10X22	W10X22	W10X22	W10X22	W10X22	W10X22	W10X22	W10X22	W10X22	W10X22	W10X22	W10X22	W10X22	W10X22	W10X22	W10X22	W10X22	W10X22	W10X22	W10X22	W10X22
-	-	-	4'	5'	6'	7'	8'	9'	10'	-	W8X18	W8X18	W8X18	W8X18	W8X18	W8X21	W8X21	W8X21	W10X22	W10X22	W10X22	W10X22	W10X22	W10X22	W10X22	W10X22	W10X22	W10X22	W10X22	W10X22	W10X22	W10X22	W10X22	W10X22	W10X22	W10X22	W10X22
-	-	-	-	4'	5'	6'	7'	8'	9'	-	W6X15	W8X18	W8X18	W8X18	W8X18	W8X18	W8X18	W8X21	W8X21	W8X21	W8X21	W8X21	W8X21	W8X21	W8X21	W8X21	W8X21	W8X21	W8X21	W8X21	W8X21	W8X21	W8X21	W8X21	W8X21	W8X21	W8X21
-	-	-	-	-	4'	5'	6'	7'	8'	-	W6X15	W6X15	W8X18	W8X18	W8X18	W8X18	W8X18	W8X18	W8X18	W8X18	W8X18	W8X18	W8X18	W8X18	W8X18	W8X18	W8X18	W8X18	W8X18	W8X18	W8X18	W8X18	W8X18	W8X18	W8X18	W8X18	W8X18

SEE "2-POST SIGN CONFIGURATION" SHEET

STEEL POST SELECTION NOTES:

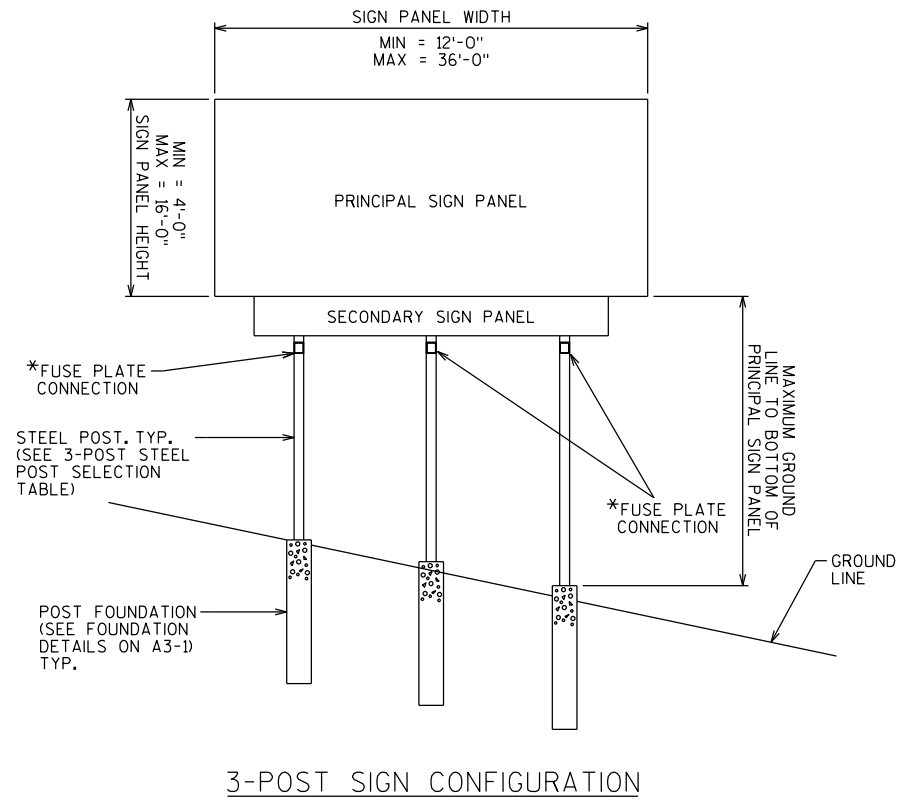
USE PROPOSED SIGN PANEL DIMENSIONS AND THE MAXIMUM HEIGHT FROM THE GROUND LINE TO THE BOTTOM OF THE PRINCIPAL SIGN PANEL TO DETERMINE THE MINIMUM REQUIRED STEEL POST SIZE.

"-" INDICATES THAT THERE IS NO STANDARD STEEL POST DESIGN FOR THE PROPOSED SIGN CONFIGURATION. CONTACT THE WISDOT BUREAU OF STRUCTURES TO REQUEST AN ANALYSIS AND DESIGN FOR THE PROPOSED SIGN CONFIGURATION.

IF A PROPOSED SIGN PANEL HEIGHT DIMENSION IS IN A 6" INCREMENT, SELECT THE MINIMUM REQUIRED STEEL POST SIZE THAT FALLS WITHIN THE NEXT LARGEST 1-FOOT INCREMENT. (FOR EXAMPLE, IF THE REQUIRED SIGN PANEL HEIGHT IS 12'-6", SELECT THE POST SIZE BASED ON A SIGN PANEL HEIGHT OF 13'-0")

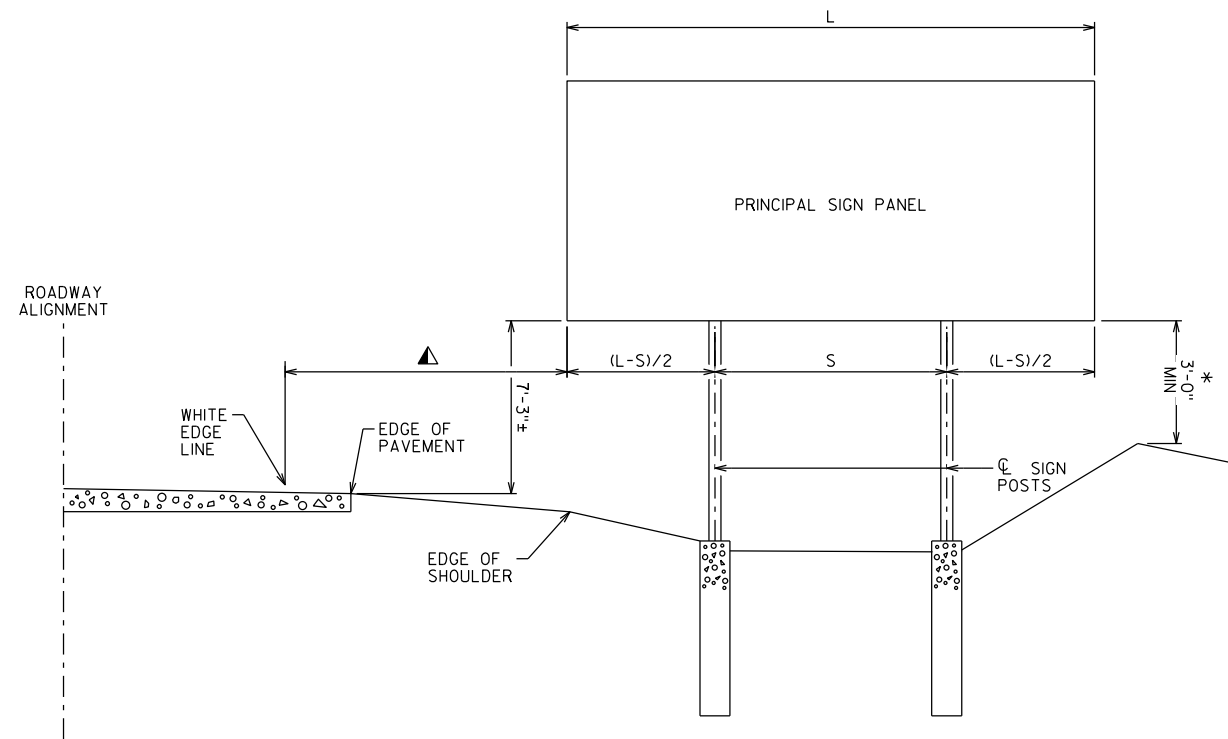
FOR PROPOSED SIGN CONFIGURATIONS WHERE THE POST HEIGHTS VARY, SELECT THE STEEL POST SIZE BASED ON THE MAXIMUM DIMENSION FROM THE GROUND LINE TO THE BOTTOM OF PRINCIPAL SIGN PANEL. (FOR EXAMPLE, IF THE DIMENSION FROM THE GROUND LINE TO THE BOTTOM OF THE PRINCIPAL SIGN PANEL IS 8- FEET FOR ONE POST AND 10- FEET FOR THE SECOND POST, SELECT THE POST SIZE BASED ON THE 10- FOOT DIMENSION.)

*FUSE PLATE INSTALLED BELOW LOWEST SIGN PANEL AS SHOWN IN "POST DETAIL" IN A3-1.

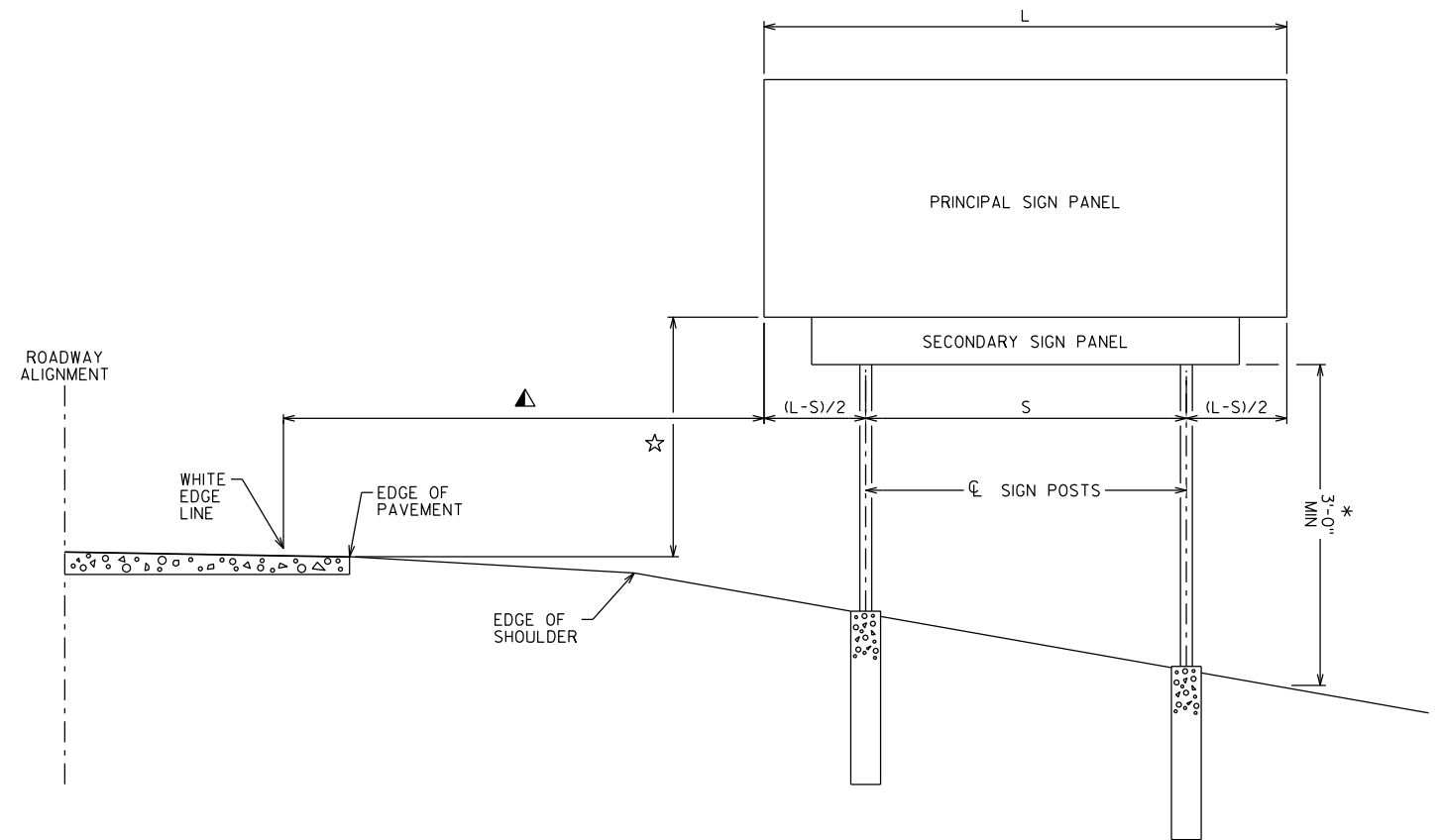


3-POST SIGN CONFIGURATION

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
STRUCTURE BTO TYPE I SIGNS			
DRAWN BY		PLANS CK'D.	
3-POST SIGN CONFIGURATION			SHEET A3-3.3



INSTALLATION WITHOUT SECONDARY SIGN



INSTALLATION WITH SECONDARY SIGN

TYPE 1 SIGN INSTALLATION NOTES:

FOR A 2-POST INSTALLATION, "S" EQUALS $3L/5$, BUT SHALL NOT BE LESS THAN 6'-0".

FOR A 3-POST INSTALLATION, "S" EQUALS $5L/7$, BUT SHALL NOT BE LESS THAN 12'-0". THE SPACING BETWEEN ANY TWO POSTS SHALL NOT BE LESS THAN 6'-0".

▲ UNLESS NOTED IN THE PLANS, THE SIGN OFFSET DISTANCE SHALL BE A MINIMUM OF 17'-6" FROM THE WHITE EDGE LINE, DESIRABLE 30'-0".

THE ± TOLERANCE SHOWN ON THIS SHEETS IS 3".

THE VERTICAL SIGN HEIGHT CLEARANCES SHOWN ON THIS SHEET ARE MEASURED FROM THE BOTTOM OF THE SIGN PANEL TO THE NEAR EDGE OF PAVEMENT.

☆ THE VERTICAL CLEARANCE SHALL BE 8'-3"± WHEN THE SECONDARY SIGN HEIGHT IS 3'-0" OR LESS, FOR SECONDARY SIGN HEIGHTS LARGER THAN 3'-0", THE VERTICAL CLEARANCE TO THE BOTTOM OF THE SECONDARY SIGN PANEL SHALL BE 5'-3"±.

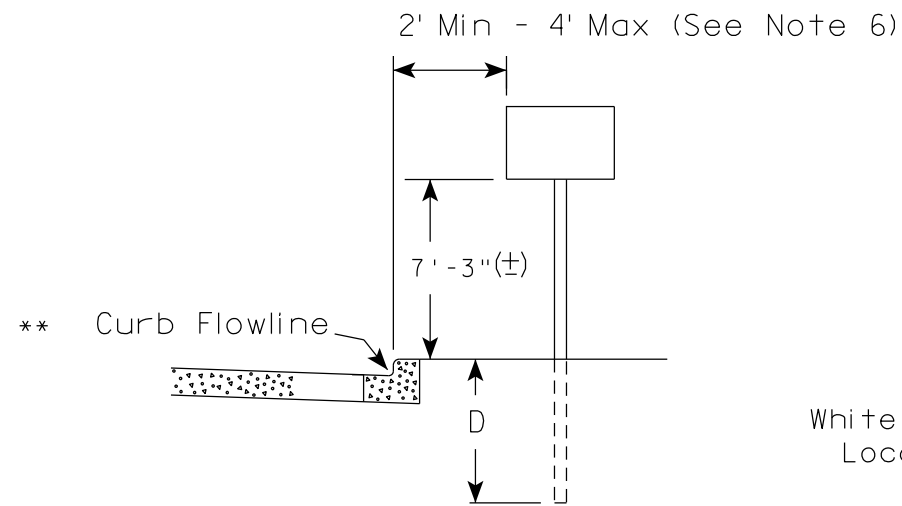
* THE VERTICAL SIGN GROUND CLEARANCE ON RIGHT END OF SIGN SHALL BE A MINIMUM OF 3'-0"±.

POST LENGTHS SHOWN IN THE MISCELLANEOUS QUANTITIES ARE ESTIMATED LENGTHS. THE CONTRACTOR SHALL VERIFY POST LENGTHS AT THE TIME OF FINAL GRADING.

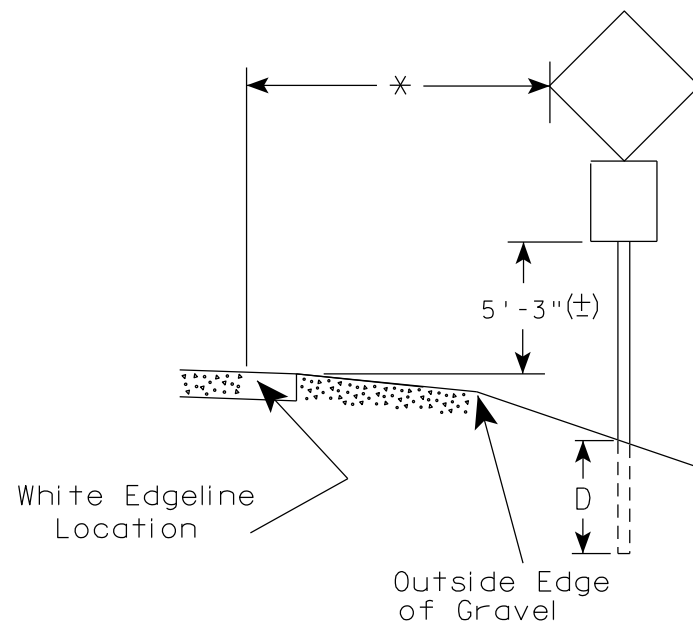
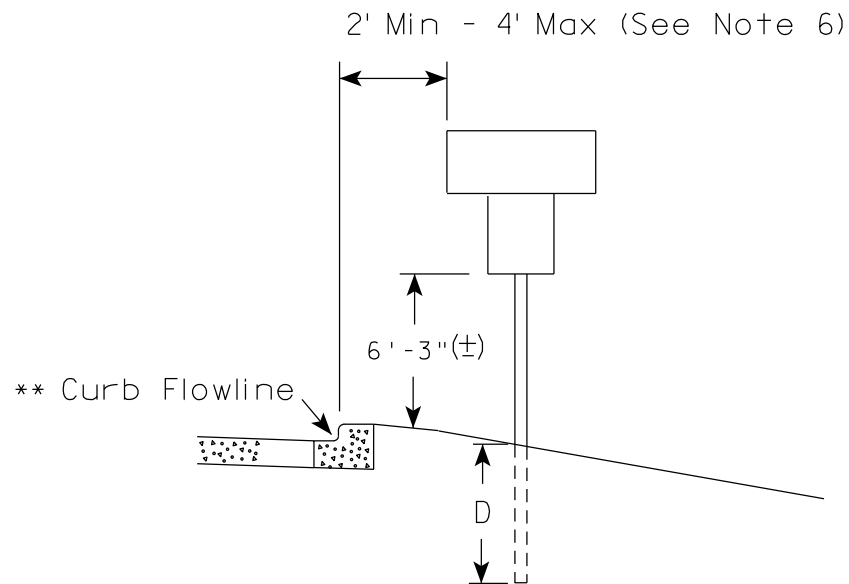
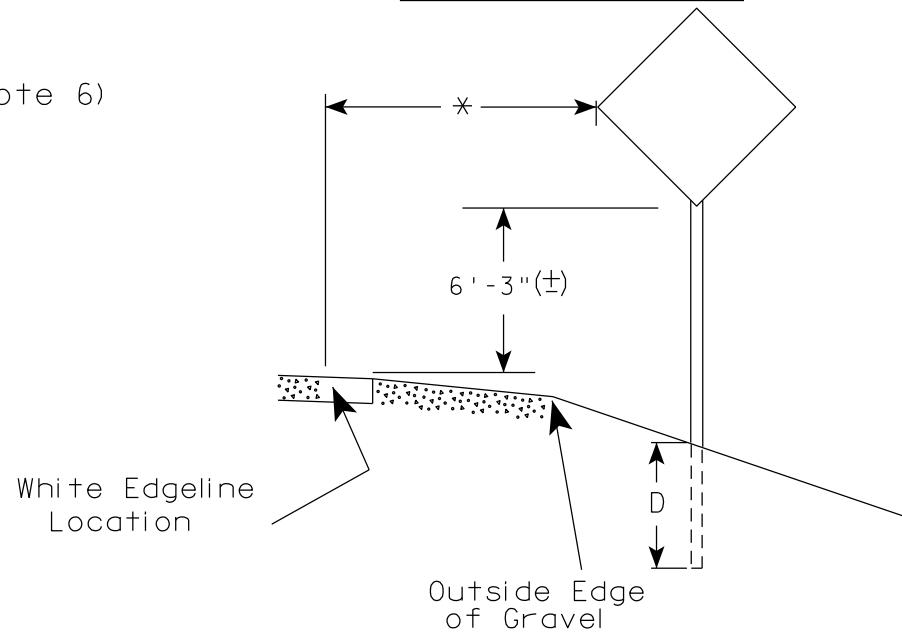
REFER TO THE TRAFFIC ENGINEERING OPERATIONS AND SAFETY MANUAL FOR FURTHER GUIDANCE ON MINIMUM VERTICAL CLEARANCE REQUIREMENTS.

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
STRUCTURE BTO TYPE I SIGNS			
DRAWN BY		PLANS CK'D.	
TYPICAL TYPE I SIGN INSTALLATION			SHEET A4-1.10

URBAN AREA



RURAL AREA (See Note 2)



GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on or behind barrier wall, see A4-10 sign plate.
The Double Arrow sign (W12-1D) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3" (±).
3. For expressways and freeways, mounting height is 7'- 3" (±) or 6'-3" (±) depending upon existence of a sub-sign.
4. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±).
5. Offset distance shall be consistent with existing signs or consistent throughout length of project.
6. The (±) tolerance for mounting height is 3 inches.
7. Folding signs shall be mounted at a height of 5'-3" (±) or as directed by the Engineer.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

* * The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

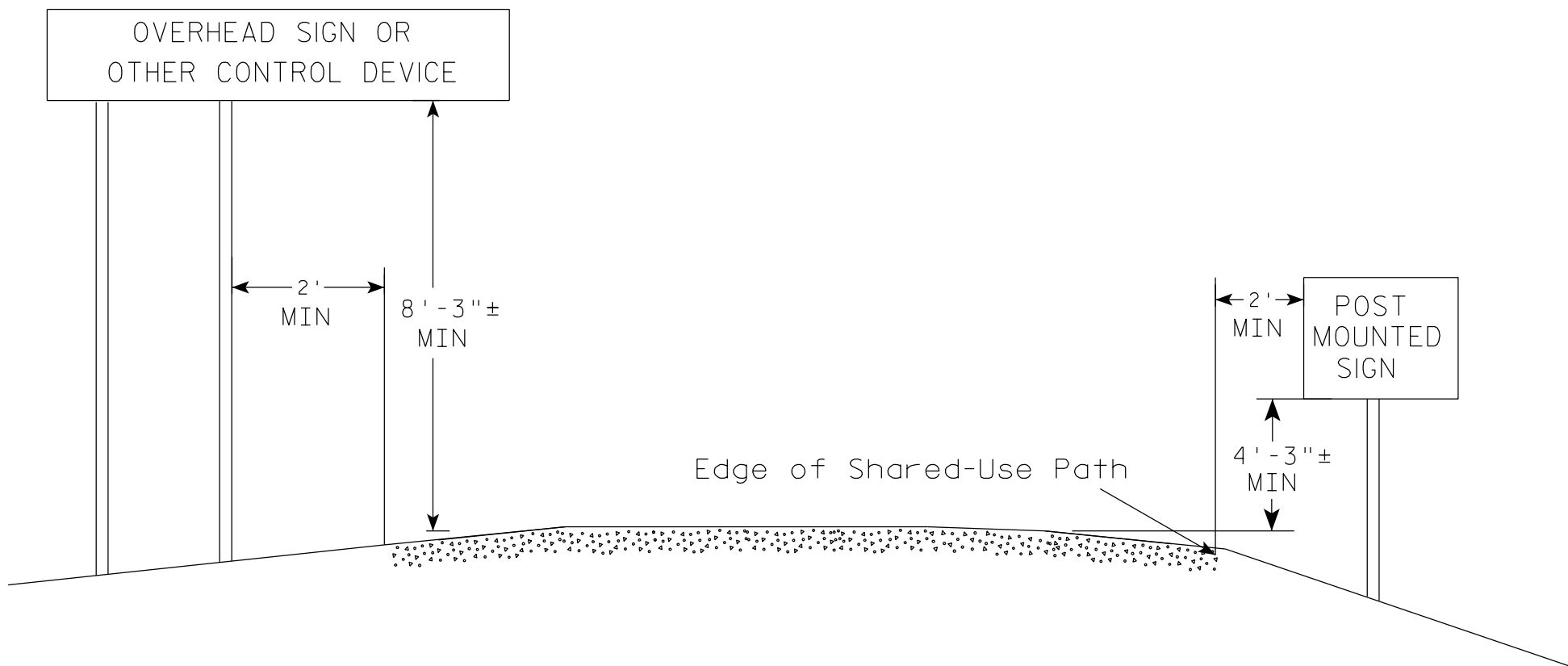
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 5/13/2020 PLATE NO. A4-3.22

GENERAL NOTES

1. Signs wider than 4 feet or larger than 20 sq. ft. shall be mounted on multiple posts. Refer to plate A4-4.
2. Offset distance shall be consistent with existing signs or consistent throughout length of project.
3. The height from ground level to the sign is 8'-3"± min. for the Overhead sign or other control device.
4. The height from ground level to the sign is 4'-3"± min. for the Post mounted sign.



POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

TYPICAL INSTALLATION
OF PERMANENT TYPE II
SIGNS ON MULTI USE PATHS

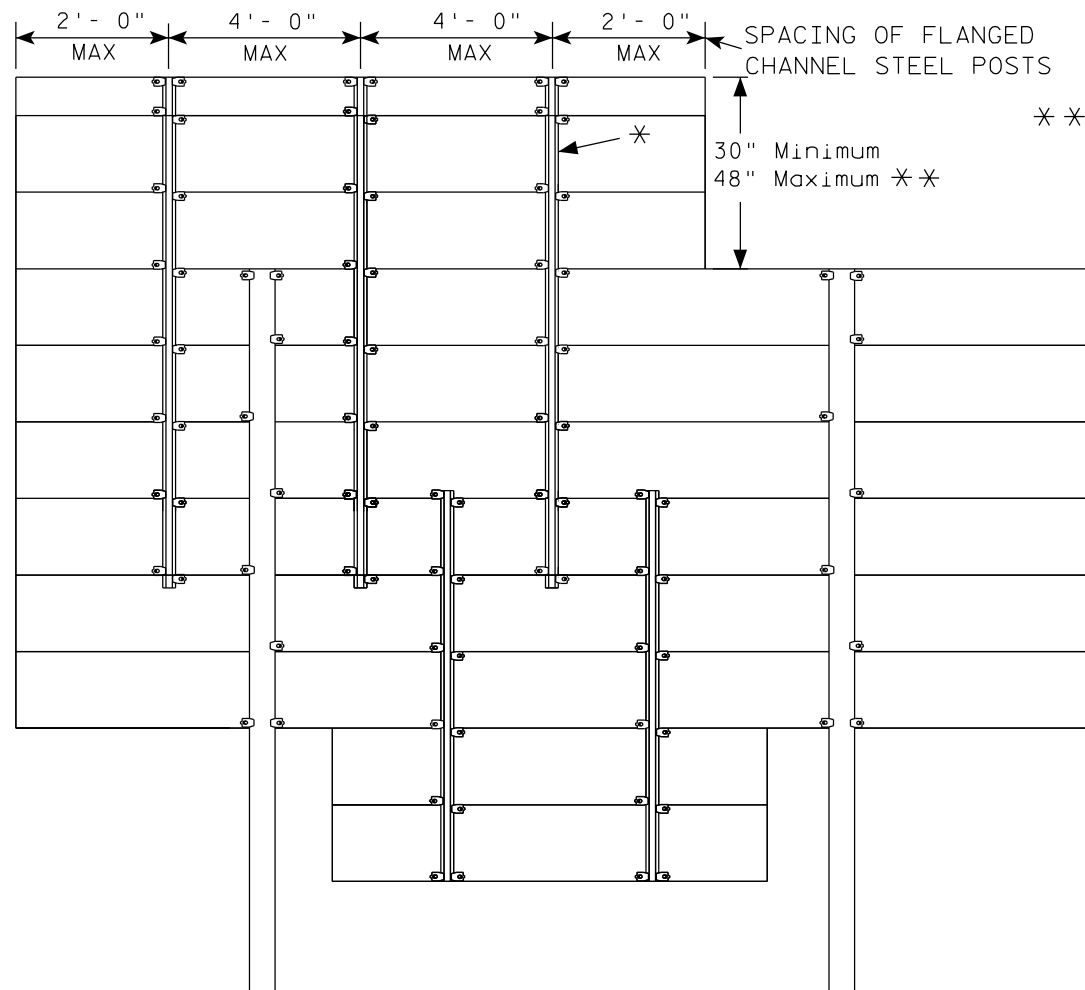
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 3/26/2020 PLATE NO. A4-3S.2

PROJECT NO: _____ HWY: _____ COUNTY: _____ SHEET NO: _____ **E**

GROUND MOUNTED SIGN



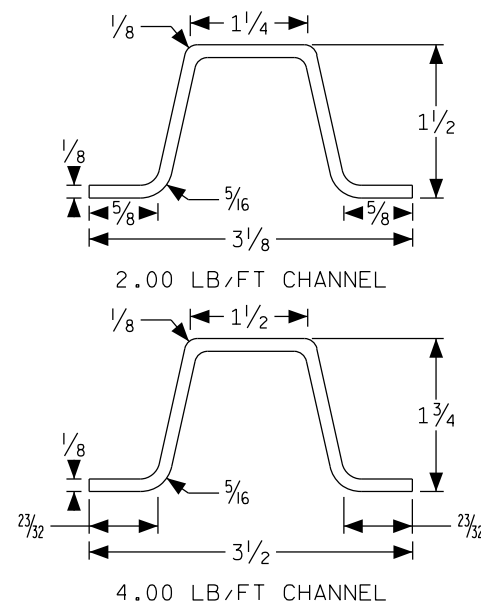
* = 2.00 lb/ft AND 4.00 lb/ft FLANGED CHANNEL, MIN. YIELD STRENGTH = 60,000 PSI (GRADE 60) GALVANIZED

* * = FOR 48" HEIGHT PANELS ON OVERHEAD STRUCTURES, ENTIRE SIGN SHALL BE CENTERED VERTICALLY ABOUT THE DEPTH OF THE TRUSS.

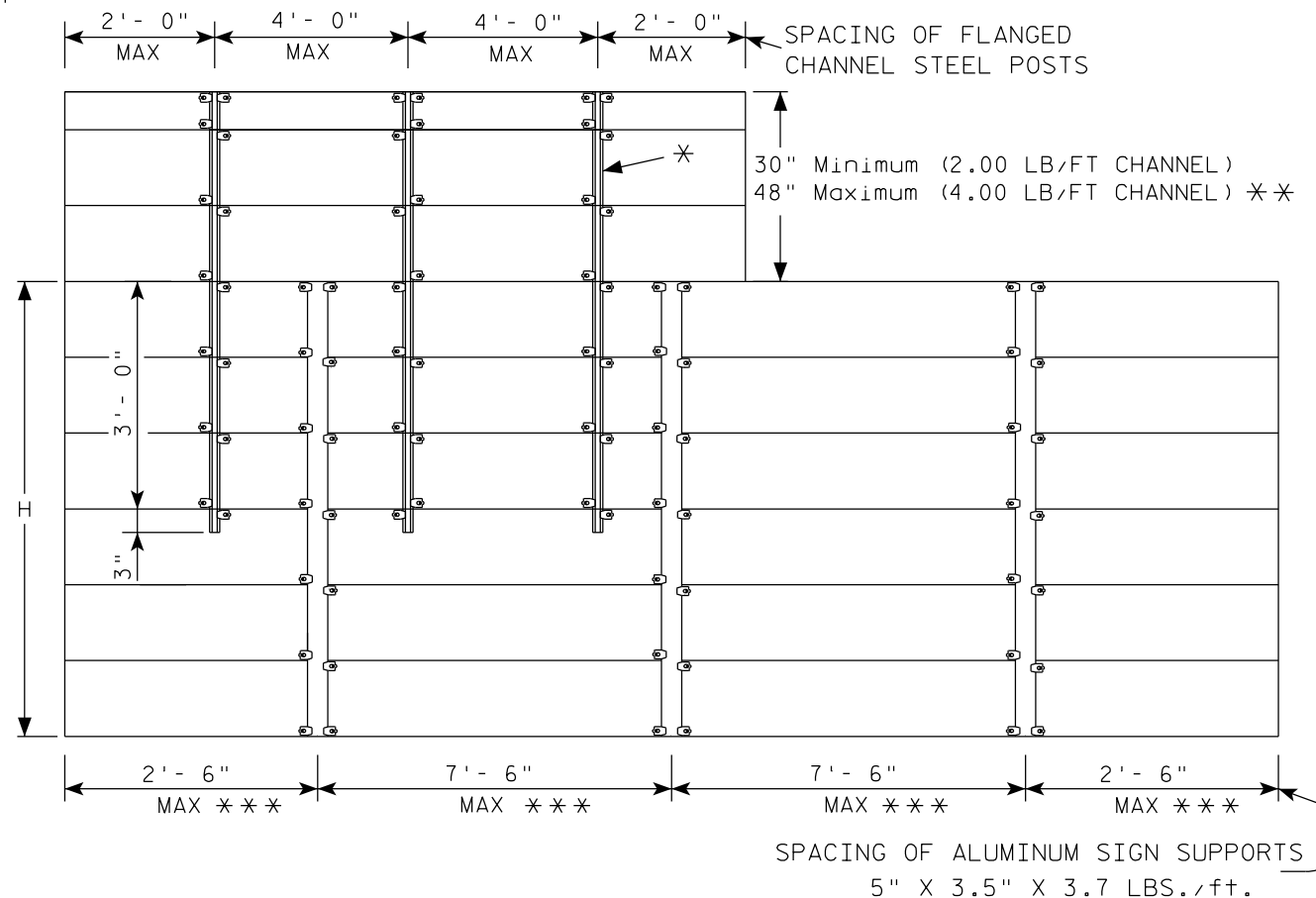
* * * THESE SPACING DISTANCES SHALL ONLY BE USED WHEN THE MAIN SIGN HAS A MAXIMUM HEIGHT (DIMENSION H) OF 15 FT OR LESS. FOR SIGNS WITH A HEIGHT OF GREATER THAN 15 FT, STRUCTURAL CALCULATIONS SHALL BE PERFORMED.

FLANGE CHANNEL DETAILS

NOT TO SCALE



SIGN BRIDGE MOUNTED SIGN



GENERAL NOTES

1. Flanged channel steel posts shall conform to size and material above, and shall be considered as incidental to other items in the contract.
2. Number of Flanged channel steel supports varies with length of panel and shall be spaced as shown:
 PANEL LENGTH 8'-0" OR LESS = 2 CHANNELS
 PANEL LENGTH 9'-0" - 12'-0" = 3 CHANNELS
 PANEL LENGTH 13'-0" OR MORE = 4 CHANNELS
 If the flanged channel steel posts can not be horizontally spaced as shown, they can be moved so as to securely hold the sign.

3. The EXIT NUMBER PANEL shall normally be positioned above the guide sign aligned with the right edge of the guide sign. If the guide sign indicates a left exit, the EXIT NUMBER PANEL shall be aligned with the left edge of the guide sign.
4. If the bolt holes in the top panel (EXIT NUMBER), or sub panel (NEXT EXIT) line up with holes in main sign panel, stitch bolts shall be used in addition to the channels.
5. Provide post clips for each sign as shown. (Please note the differences between a ground mounted versus Sign bridge mounted sign as far as number of clips required on the main supports or beams)
6. Structural steel sign supports shall extend to the top of the main signs, as shown on the above details.

ATTACHMENT OF GUIDE SIGNS TO SUPPORTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R. Rauch
 For State Traffic Engineer

DATE 1/07/20

PLATE NO. A4-6.12

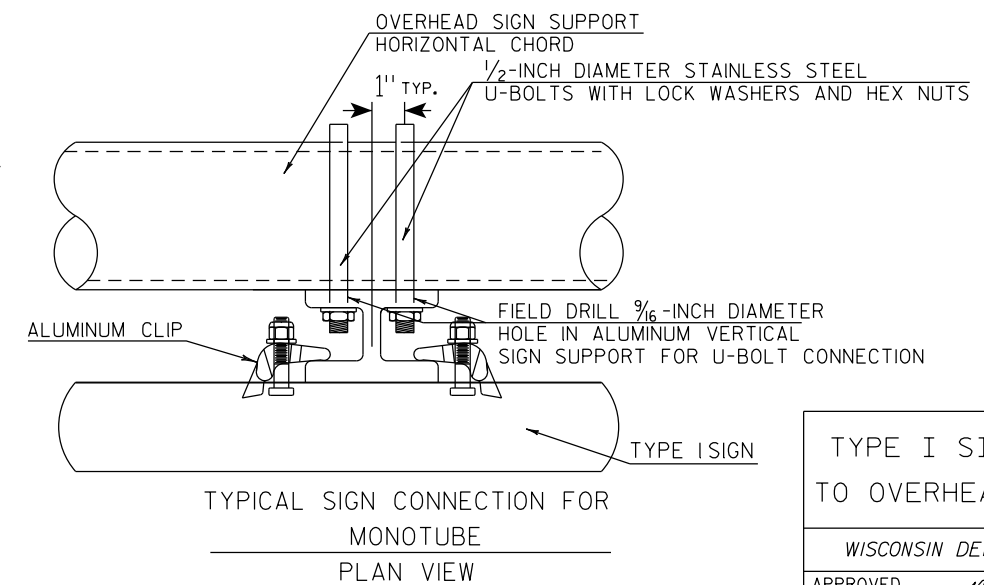
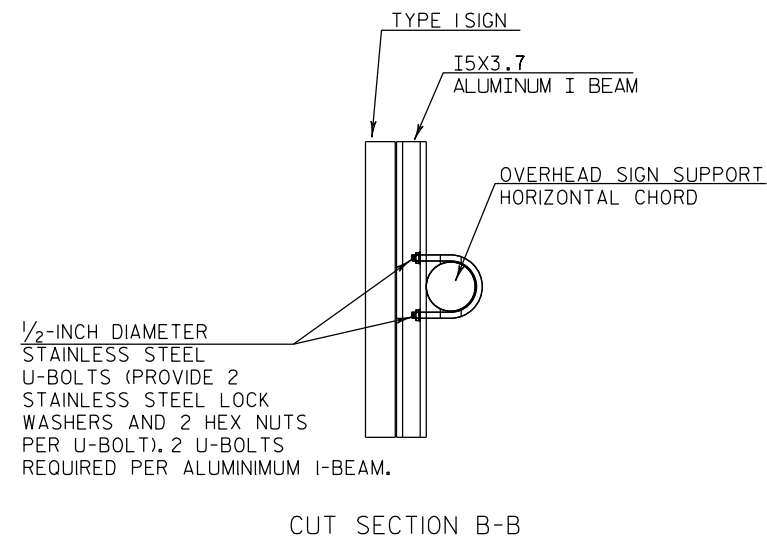
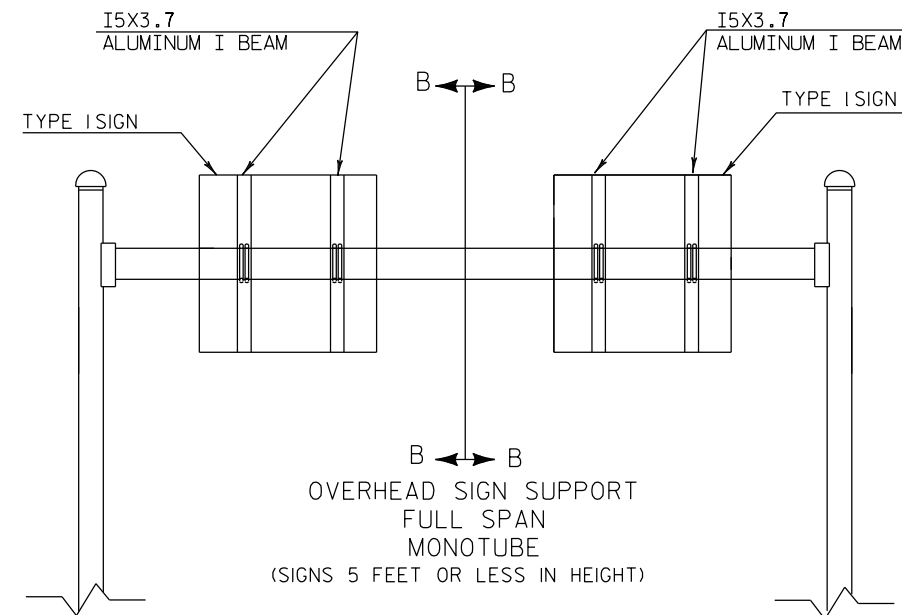
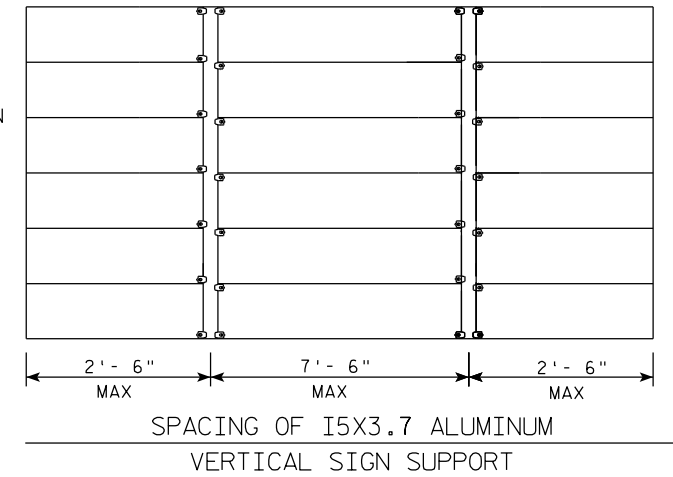
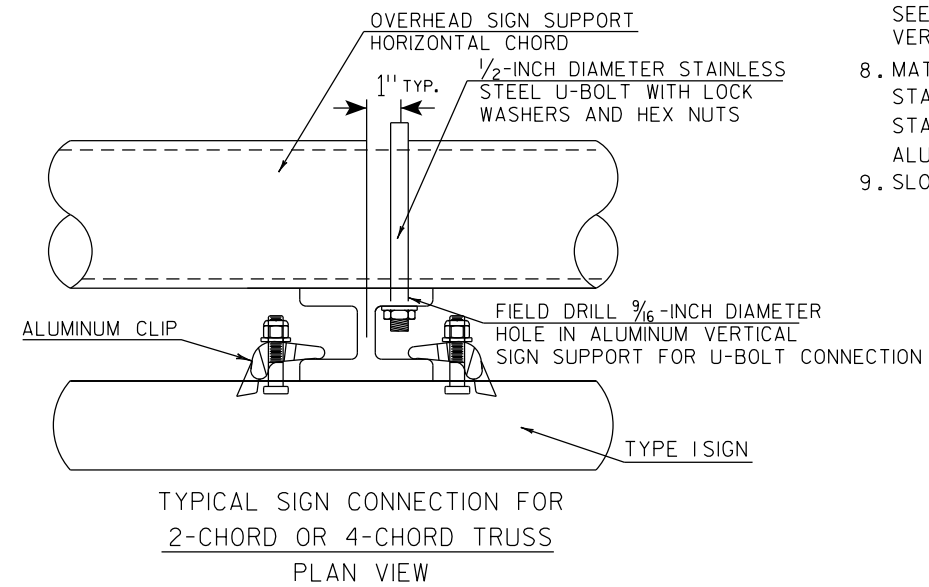
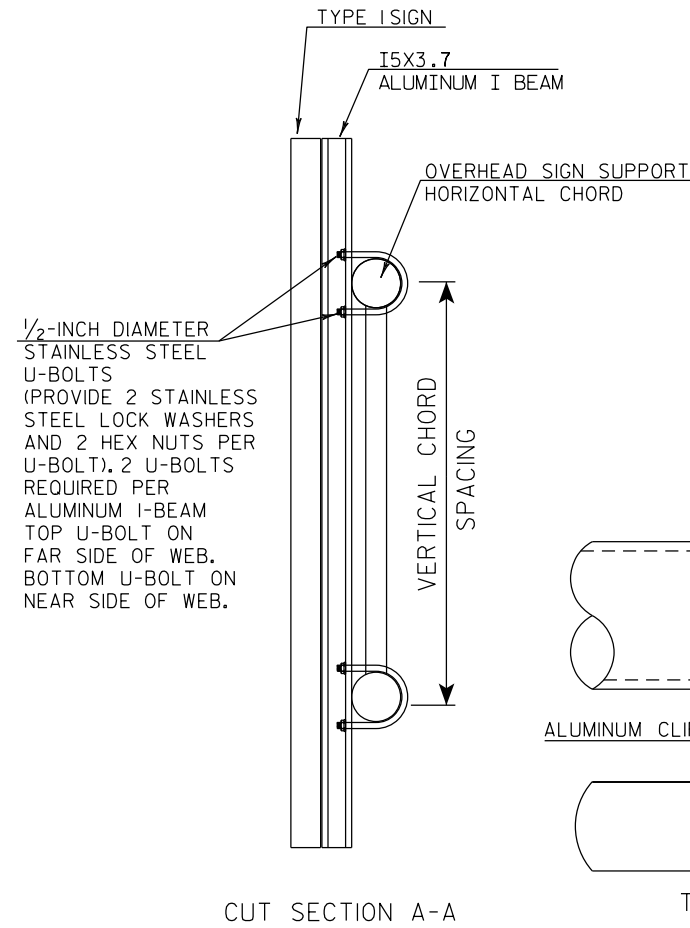
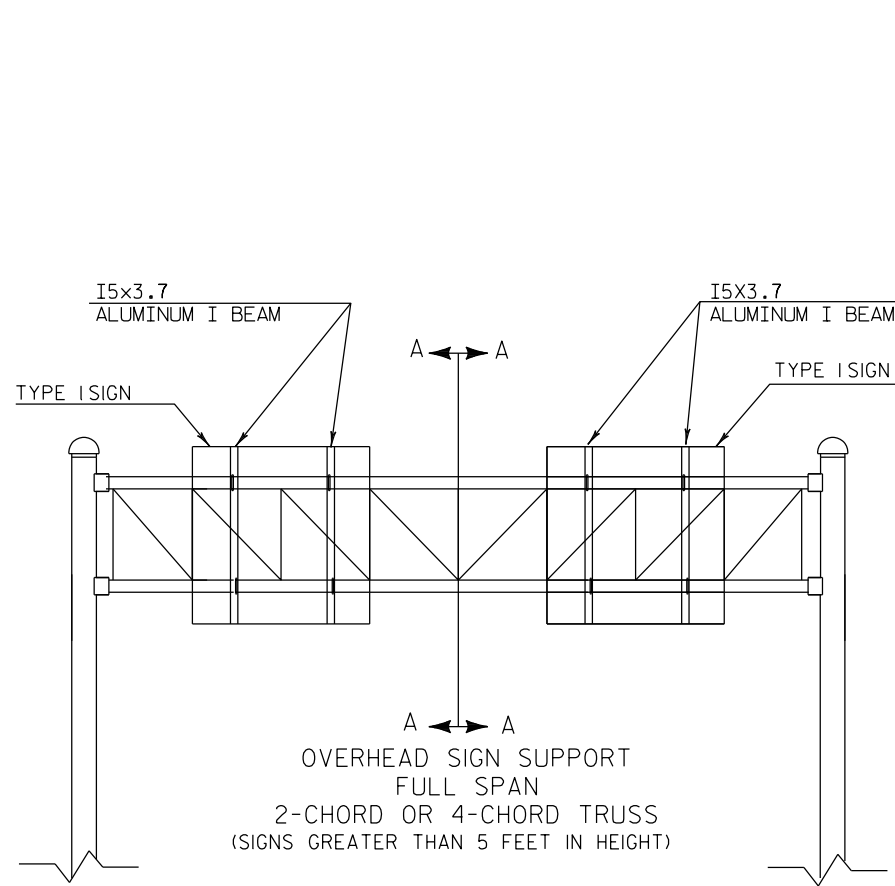
PROJECT NO:

SHEET NO:

E

GENERAL NOTES

1. USE STAINLESS STEEL U-BOLTS, WASHERS, AND NUTS.
2. USE CLIPS ON EVERY EXTRUDED PANEL JOINT PER SIGN PLATE A4-6.
3. USE ALUMINUM VERTICAL SIGN SUPPORT BEAMS HAVING A 5 INCH BEAM DEPTH AND WEIGHT OF 3.7 LBS PER FOOT.
4. U-BOLTS SHALL BE STAINLESS STEEL AND MANUFACTURED TO THE PROPER SIZE TO FIT THE CHORDS OF THE OVERHEAD SIGN STRUCTURE.
5. DIAMETER OF U-BOLTS SHALL BE AS SHOWN.
6. THE LENGTH OF THE ALUMINUM VERTICAL SIGN SUPPORT BEAMS SHALL BE THE SAME AS THE HEIGHT OF THE SIGN THEY ARE SUPPORTING. BEAM LENGTHS MAY BE LONGER FOR PROPER ATTACHMENT TO CHORDS.
7. MINIMUM NUMBER OF BRACKETS PER SIGN IS TWO. SEE DETAIL BELOW FOR SPACING OF ALUMINUM VERTICAL SIGN SUPPORTS
8. MATERIAL NOTES:
STAINLESS STEEL U-BOLTS AND LOCKWASHERS ASTM 304.
STAINLESS STEEL HEX NUTS ASTM A276.
ALUMINUM I-BEAMS ARE 6061-T6.
9. SLOTTED HOLES IN I-BEAMS ARE NOT ALLOWED



TYPE I SIGN CONNECTION TO OVERHEAD SIGN SUPPORT

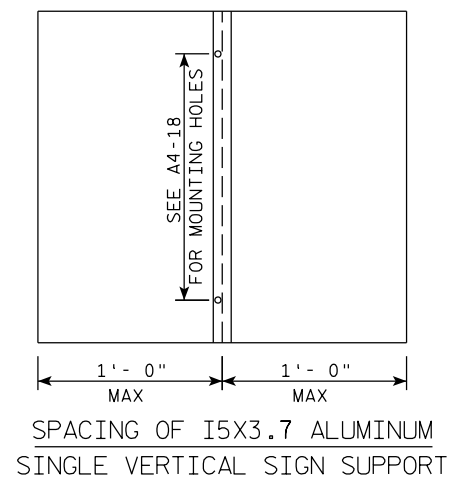
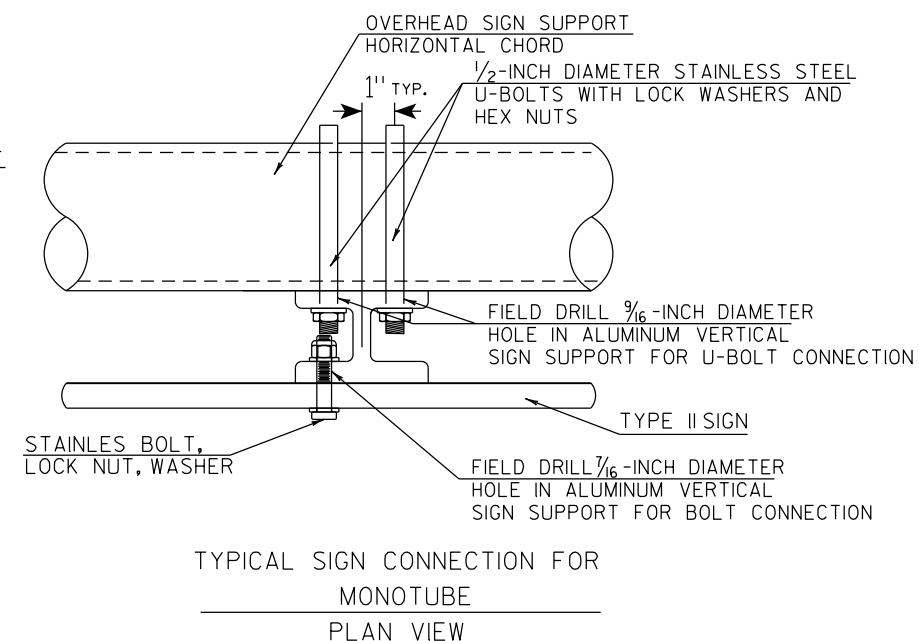
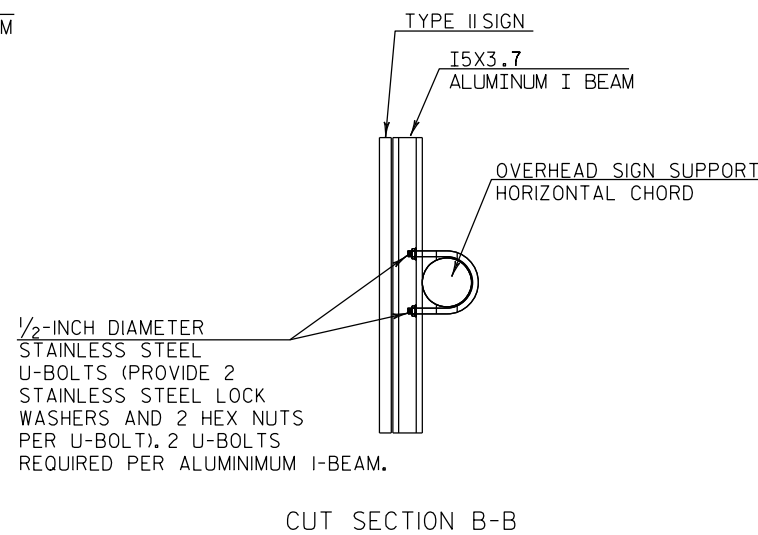
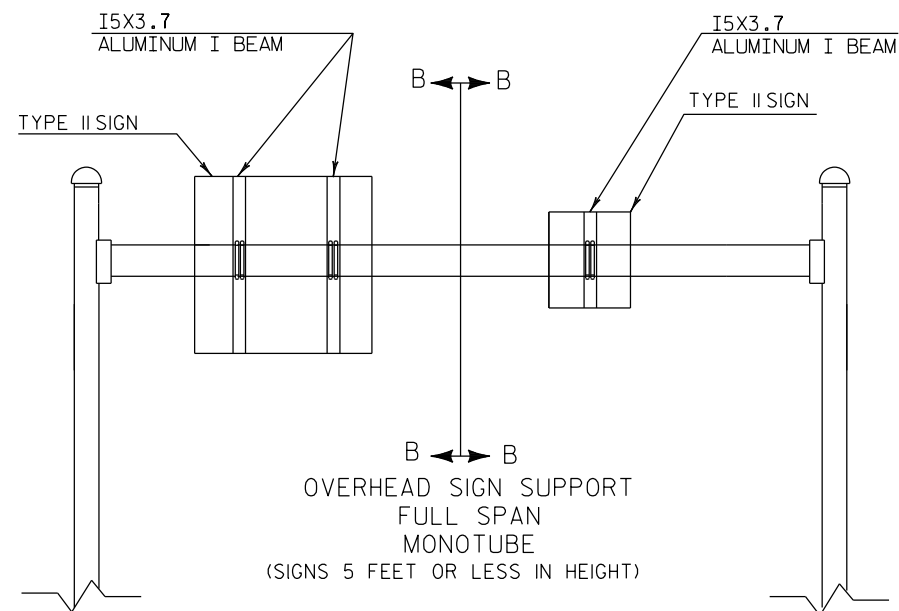
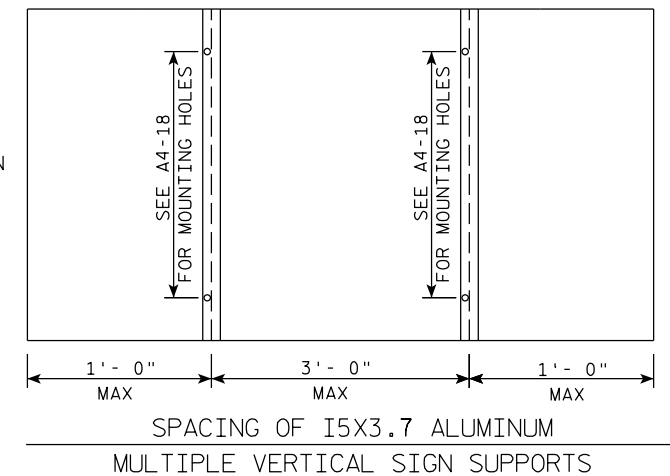
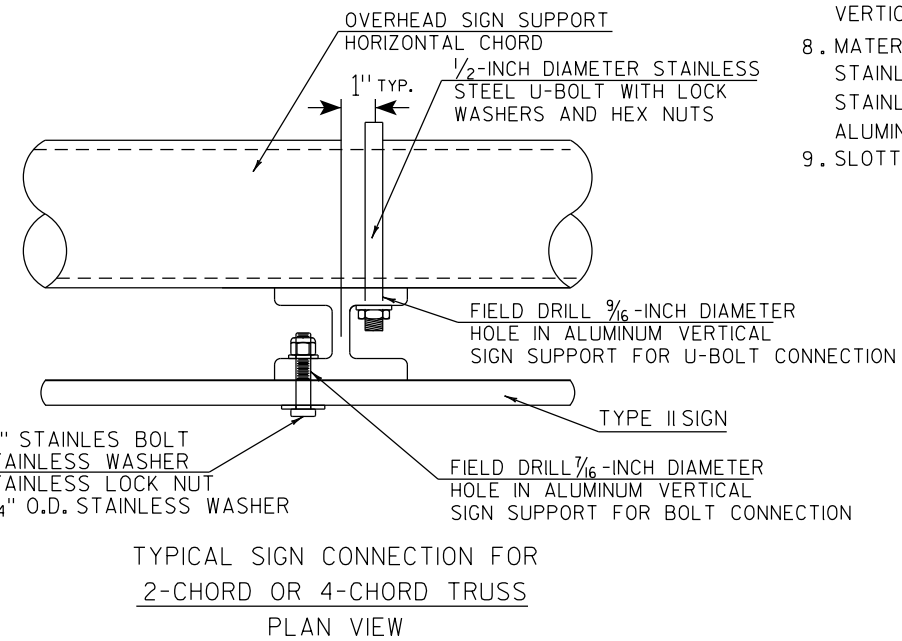
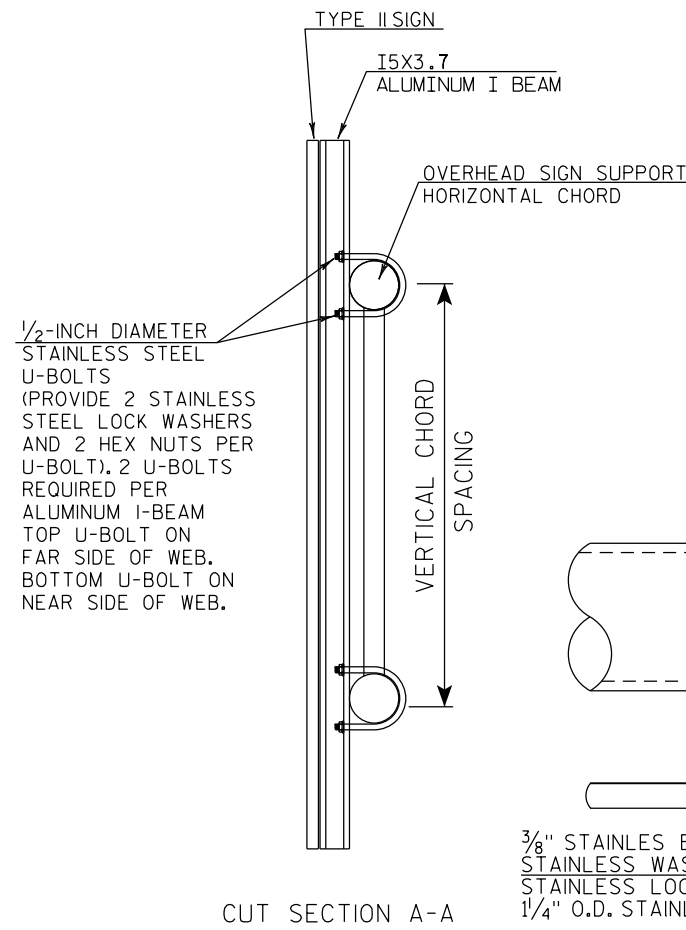
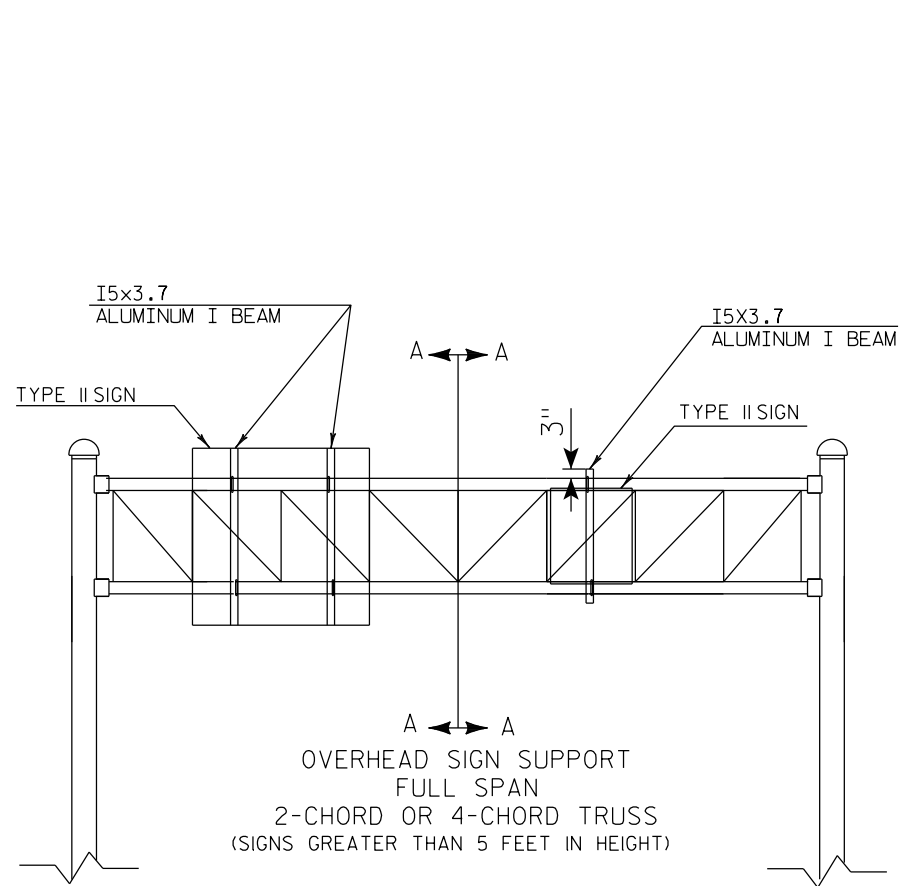
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
State Traffic Engineer

DATE 1/07/20 PLATE NO. A4-7A.1

GENERAL NOTES

1. USE STAINLESS STEEL U-BOLTS, WASHERS, AND NUTS.
2. USE STAINLESS BOLTS AT BOLT HOLES IN SIGN PANEL PER SIGN PLATE A4-18.
3. USE ALUMINUM VERTICAL SIGN SUPPORT BEAMS HAVING A 5 INCH BEAM DEPTH AND WEIGHT OF 3.7 LBS PER FOOT.
4. U-BOLTS SHALL BE STAINLESS STEEL AND MANUFACTURED TO THE PROPER SIZE TO FIT THE CHORDS OF THE OVERHEAD SIGN STRUCTURE.
5. DIAMETER OF U-BOLTS SHALL BE AS SHOWN.
6. THE LENGTH OF THE ALUMINUM VERTICAL SIGN SUPPORT BEAMS SHALL BE THE SAME AS THE HEIGHT OF THE SIGN THEY ARE SUPPORTING. BEAM LENGTHS MAY BE LONGER FOR PROPER ATTACHMENT TO CHORDS.
7. SEE DETAIL BELOW FOR SPACING OF ALUMINUM VERTICAL SIGN SUPPORTS
8. MATERIAL NOTES:
STAINLESS STEEL U-BOLTS, BOLTS, AND LOCKWASHERS ASTM 304.
STAINLESS STEEL HEX NUTS ASTM A276.
ALUMINUM I-BEAMS ARE 6061-T6.
9. SLOTTED HOLES IN I-BEAMS ARE NOT ALLOWED

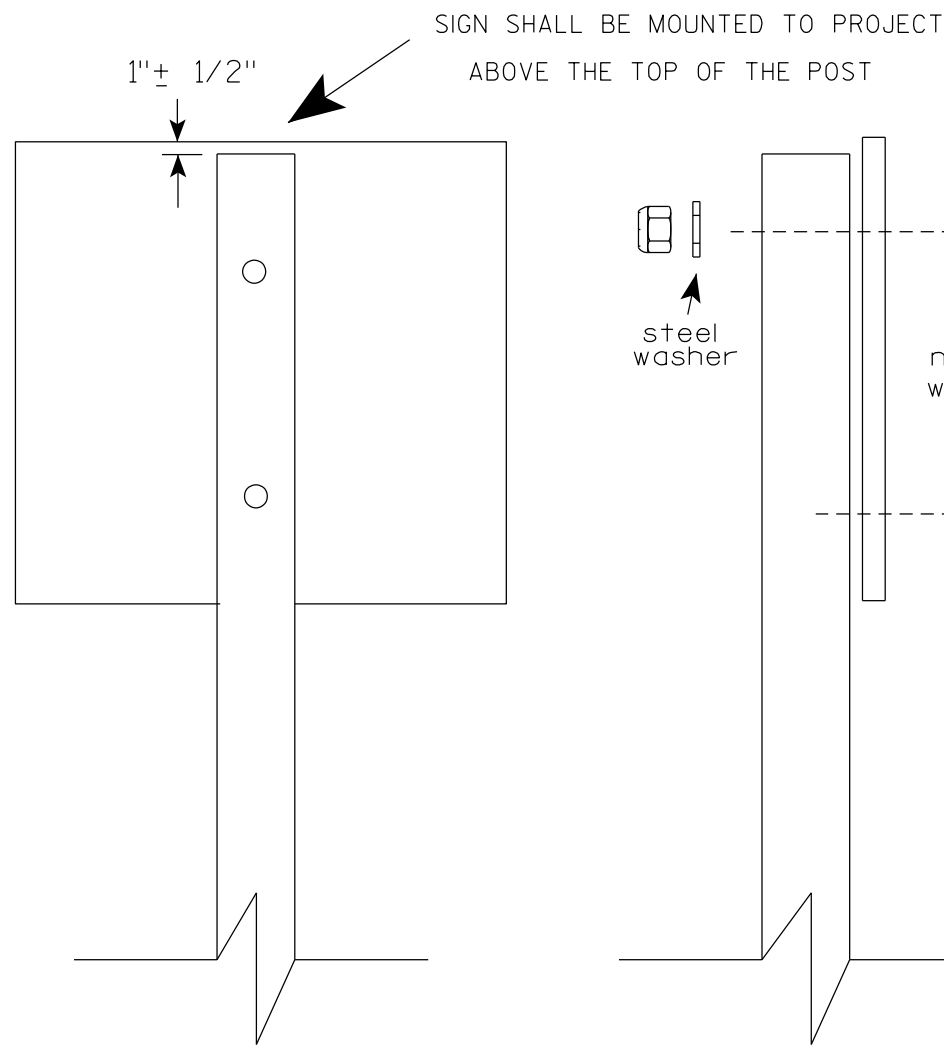


TYPE II SIGN CONNECTION TO OVERHEAD SIGN SUPPORT

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
For State Traffic Engineer

DATE 1/07/20 PLATE NO. A4-7B.1



Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either :

- Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3
- Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

- STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)
- MACHINE BOLTS - 5/16" X 1-3/4" Length w/ lock nuts
- WOOD POSTS (4" x 6")
- LAG SCREWS - 3/8" X 3" (NO STRINGERS ON BACK OF SIGN)
3/8" X 4" (STRINGERS ON BACK OF SIGN)
- SQUARE STEEL POSTS (2" x 2")
- MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN)
3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)
- RIVETS - 9/32" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL
O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH
- WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON

* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS	
WISCONSIN DEPT OF TRANSPORTATION	
APPROVED	<i>Matthew R Rauch</i> For State Traffic Engineer
DATE 4/1/2020	PLATE NO. A4-8.9

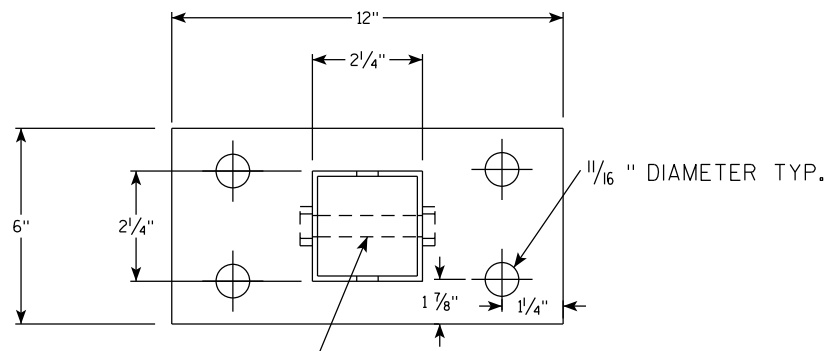
TYPICAL BARRIER WALL SIGN PLACEMENT DETAILS

NOTES

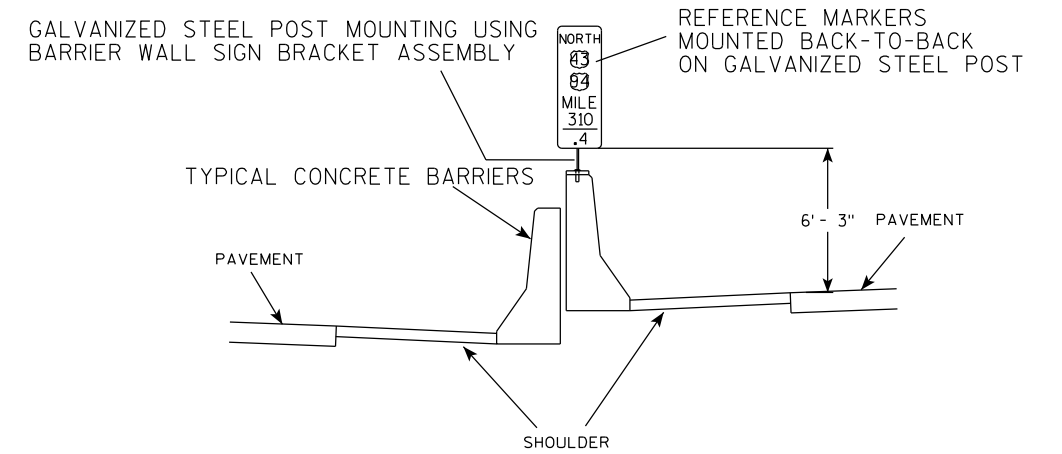
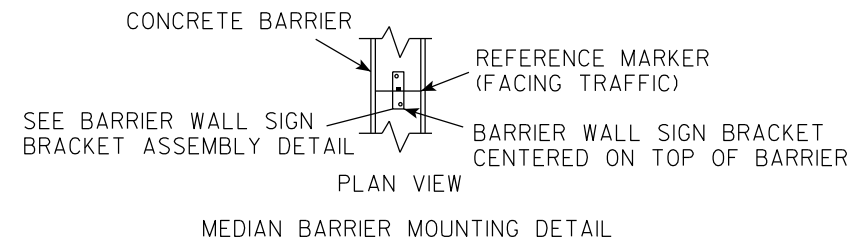
- 1) ALL MATERIAL TO BE APPROVED BY ENGINEER BEFORE INSTALLATION
- 2) SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS.

TYPICAL REFERENCE MARKER MOUNTING DETAILS

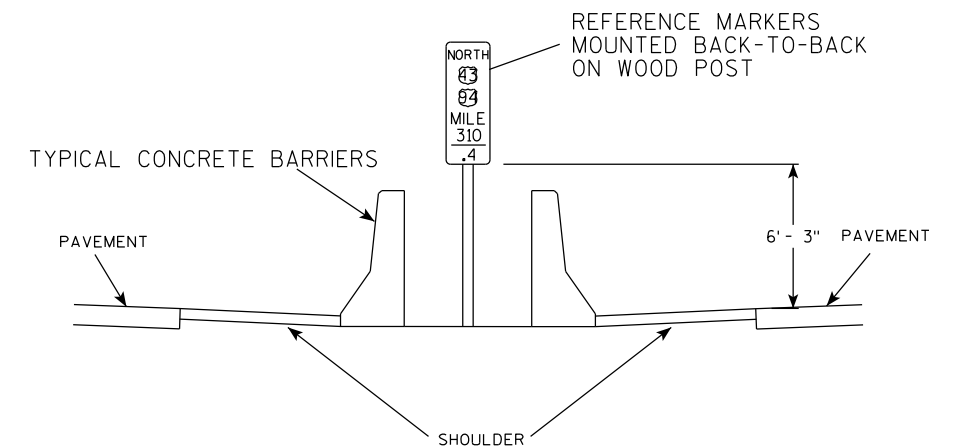
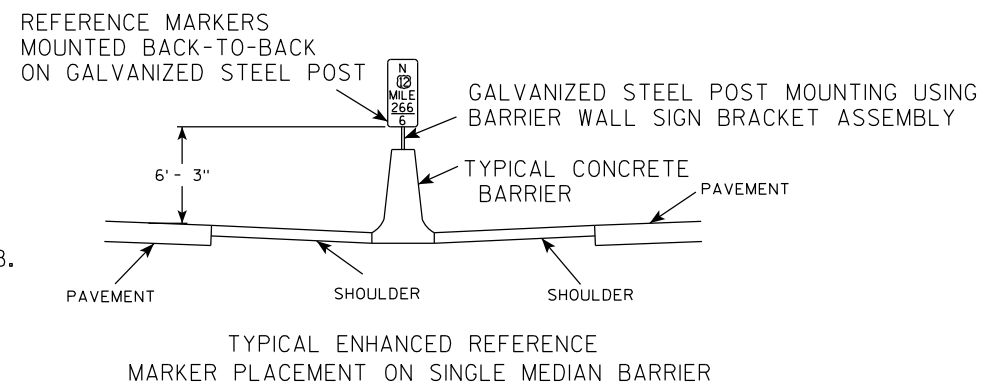
BARRIER WALL SIGN BRACKET ASSEMBLY NOT TO SCALE



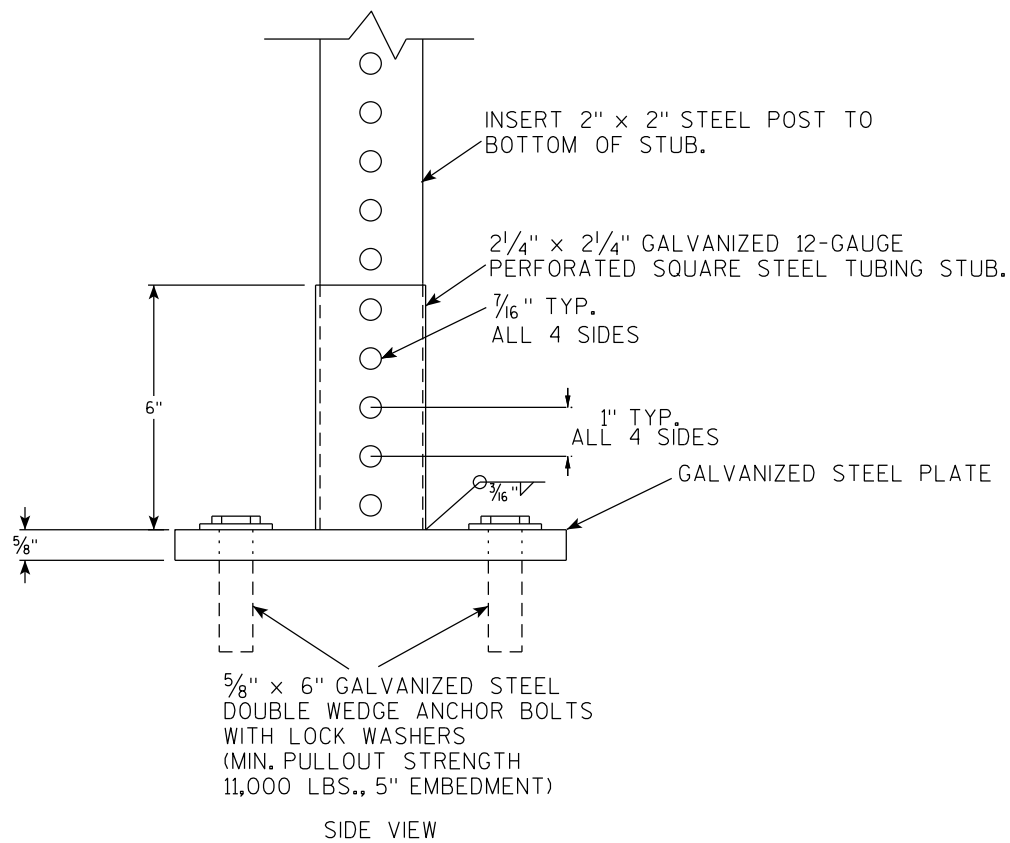
3 1/2" x 3/8" GALVANIZED STEEL BOLT & HARDWARE
PLAN VIEW



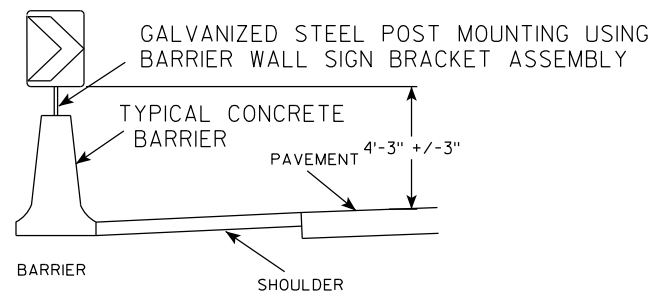
TYPICAL ENHANCED REFERENCE
MARKER PLACEMENT ON DOUBLE MEDIAN BARRIER



TYPICAL ENHANCED REFERENCE
MARKER PLACEMENT BETWEEN MEDIAN BARRIERS



SIDE VIEW



TYPICAL CHEVRON MARKER PLACEMENT

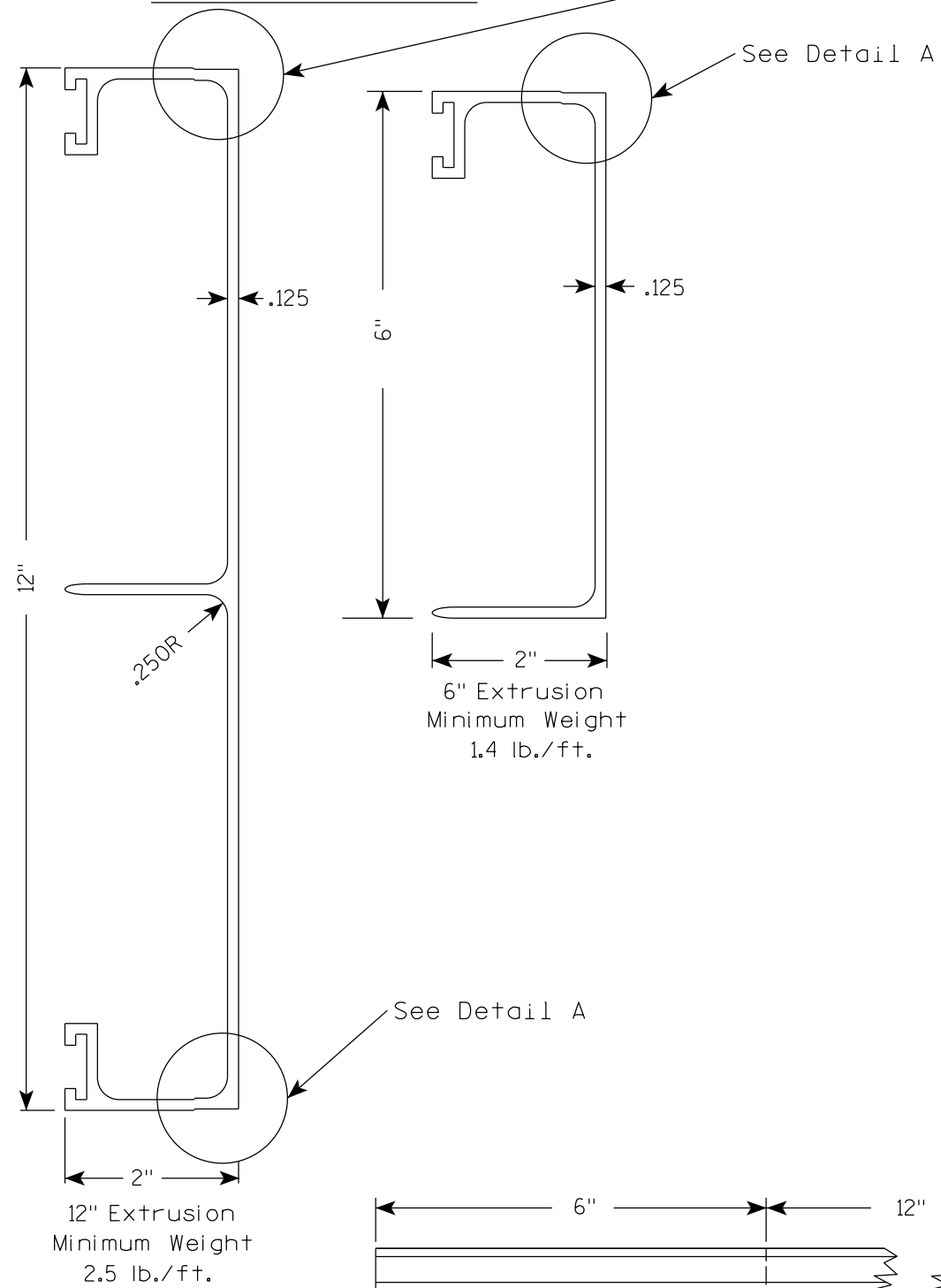
7

7

SIGN MOUNTING ON BARRIER WALL	
WISCONSIN DEPT OF TRANSPORTATION	
APPROVED	<i>Matthew R Rauch</i> for State Traffic Engineer
DATE 5/13/2020	PLATE NO. A4-10.5

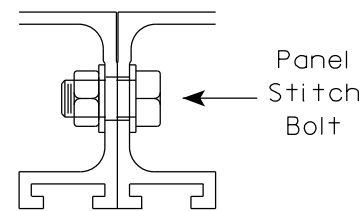
Extruded Shape

Hardware



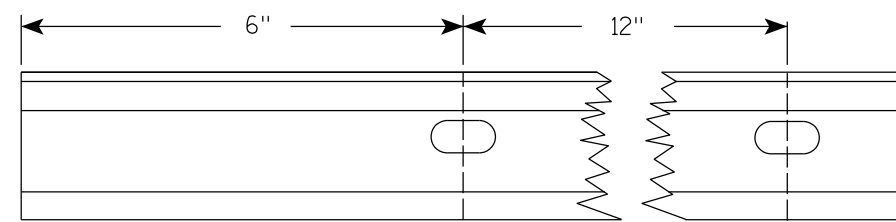
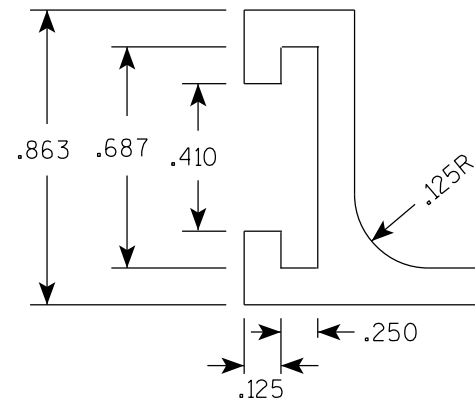
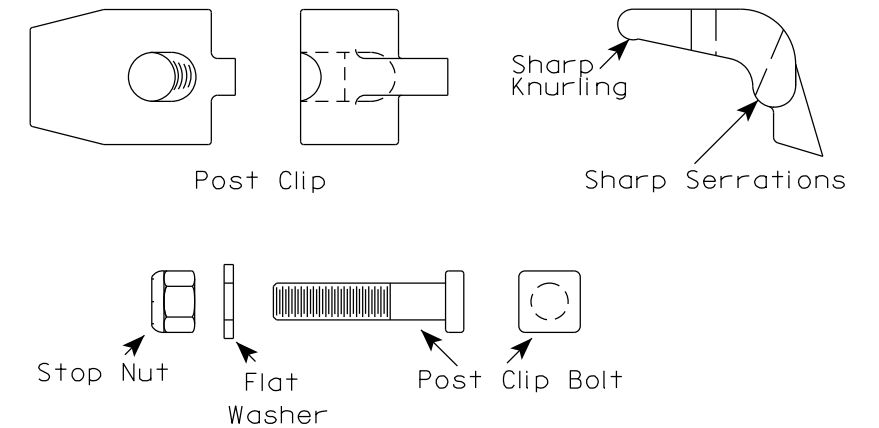
STITCH BOLT, WASHER & NUT

The hardware includes:
 3/8" - 16 X 3/4" Economy Bolt 2024-T4 alloy
 3/8" - Stainless steel stop nut
 3/8" X .064 Flat Washers, Alclad 2024-T4 alloy

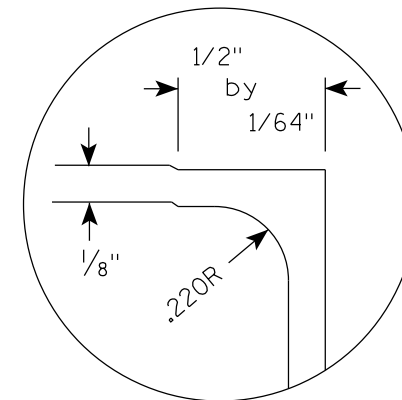


POST CLIP, POST CLIP BOLT, WASHER & NUT

Post Clip shall be Alum. Alloy 356-T6
 Post Clip Bolt shall be Stainless Steel.
 Flat washer shall be 3/8" X .091, Stainless Steel.
 Stop nut shall be stainless steel.



Punch 7/16" x 7/8" ovalholes beginning 6" in from end of extrusion 12" CC on both edges of 6" and 12" panels.



DETAIL A (EDGE WRAP JOINT)

NOTES

1. The contractor may select any brand of extrusion that conforms to the illustrations or meets with the approval of the engineer, but all extrusions used on this contract shall be of the same brand.
2. Panel Stitch Bolts shall be used to assemble adjacent panels. Maximum stitch bolt spacing shall be 24" C-C, and a minimum of 4 bolts shall be used to connect any two extrusions.
3. Post Clips shall be used to attach the sign panel to the sign support.
4. Edge wrapping of sign sheeting required on all extrusions joints shown in Detail A.

ALUMINUM EXTRUSIONS FOR
TYPE I SIGNS

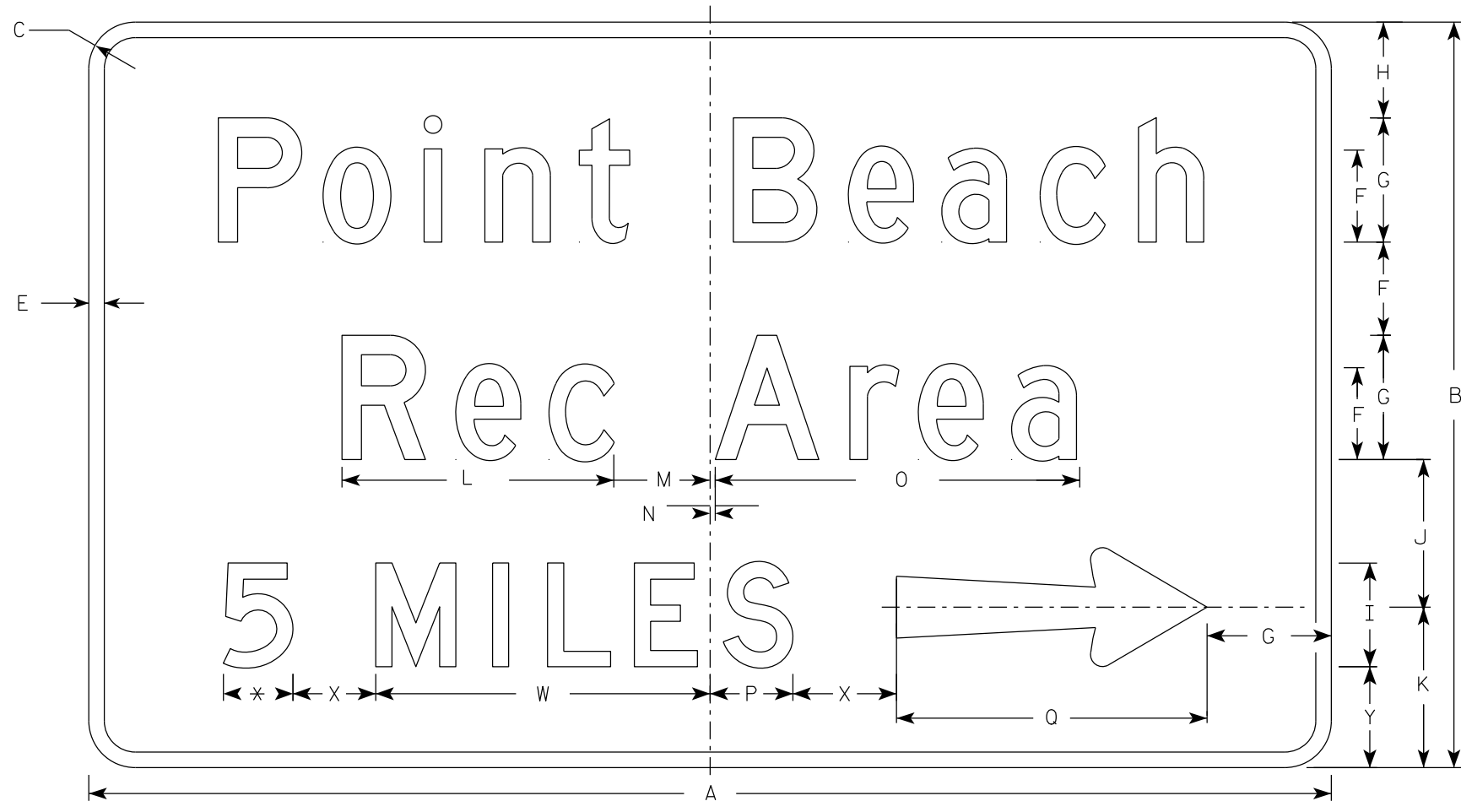
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
 For State Traffic Engineer
 DATE 1/07/20 PLATE NO. A5-2.10

D7-77 is to be used with no mileage shown, unless the mileage is 5 or more miles

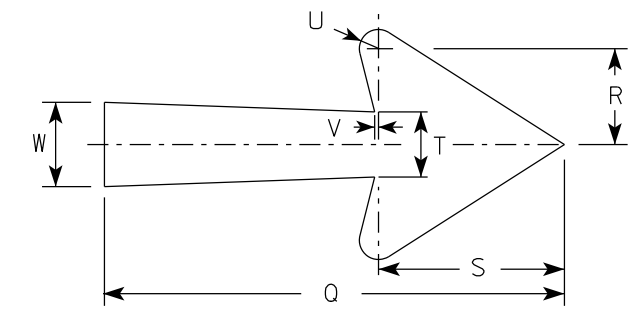
NOTES

1. Sign is Type II - Type H Reflective
2. Color:
Background - Brown
Message - White
3. Message Series - D
4. D7-77LA is same as D7-77RA except the arrow and miles are reversed.
5. Substitute appropriate name and numerals and adjust spacing as required to achieve proper balance. When necessary to accommodate name, lengthen board by 6" increments.



D7-77AR

* = VARIES



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
2	Varies	36	2 1/4		3/4	4 1/2	6	4 5/8	5	7 1/8	7 3/4	13 1/8	4 5/8	3/8	17 1/2	4	15	3 1/8	6 1/8	2 1/8	5/8	1/8	16 1/8	5	5 1/4		Varies
3	Varies	48	3		1	6	8	6	7	10	10	18	6 3/8	5/8	23 3/4	7	21	4	7 7/8	2 3/4	3/4	1/4	21 1/4	6	6 1/2		Varies
4																											
5																											

STANDARD SIGN
D7-77A

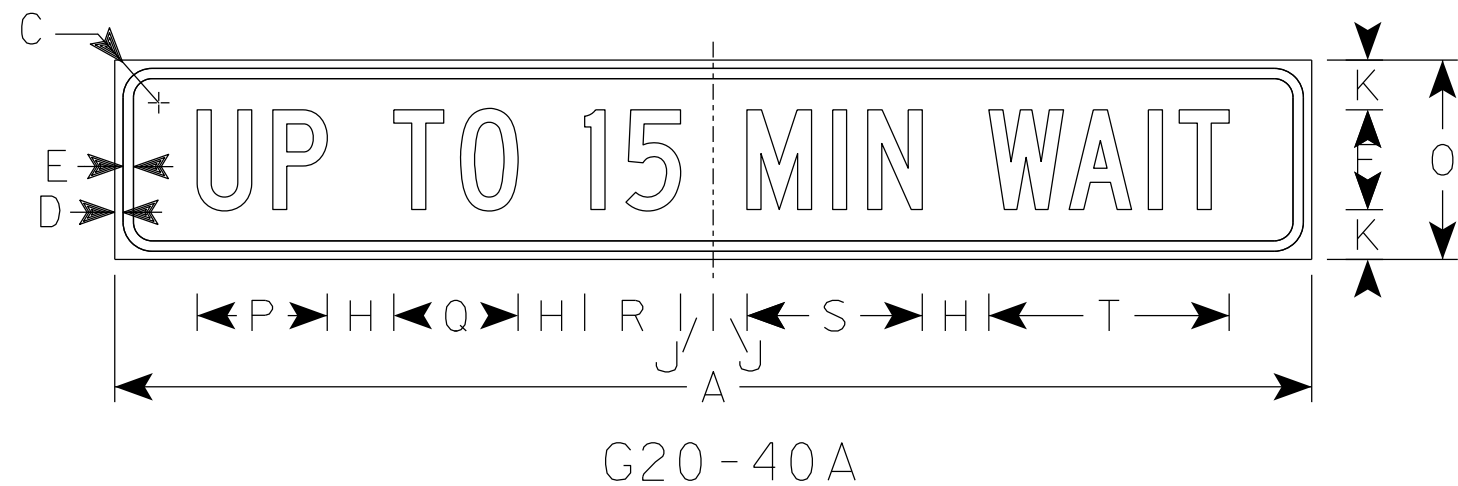
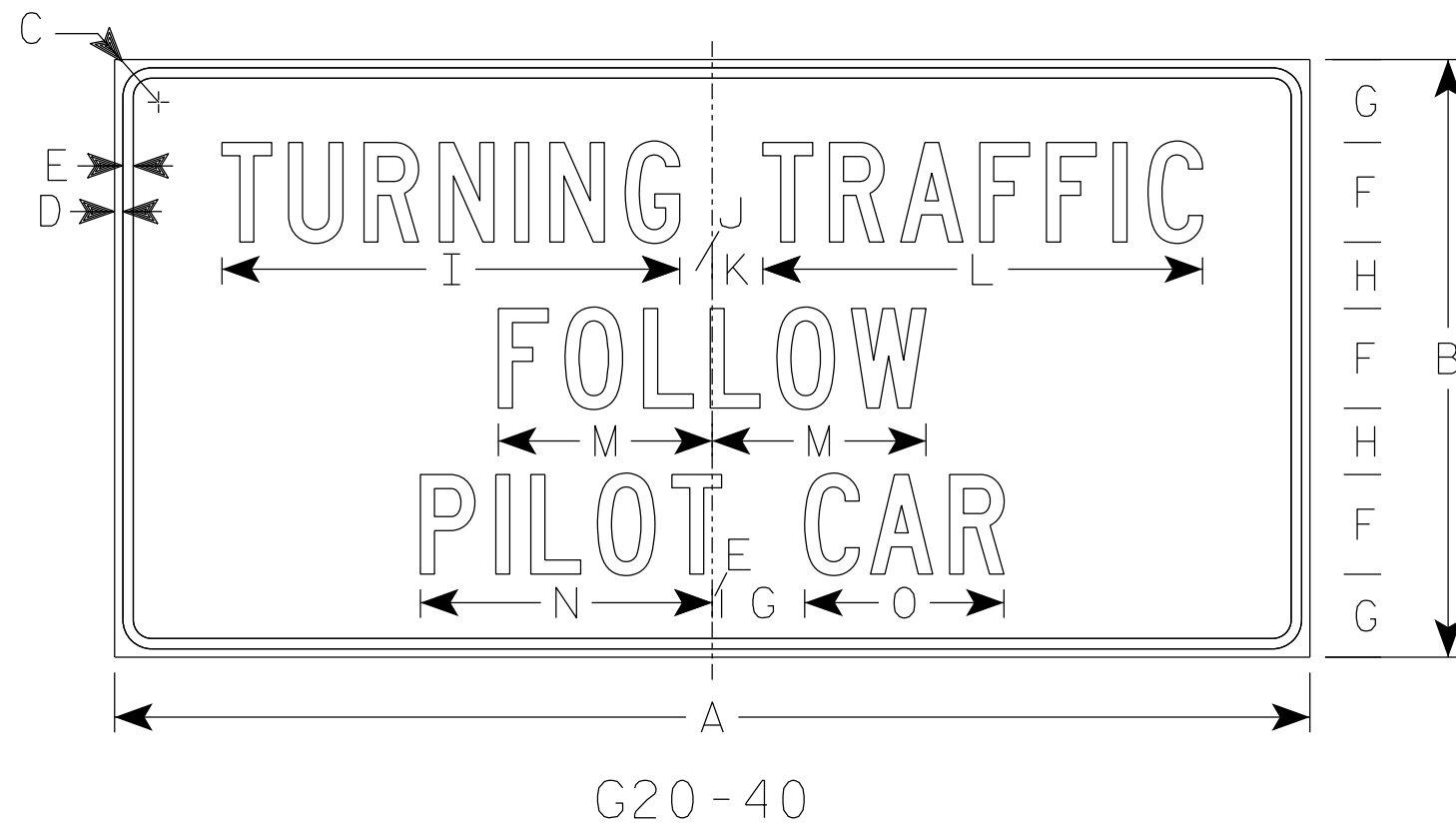
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 10/2/19 PLATE NO. D7-77A.3

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
Background - Orange
Message - Black
3. Message Series - C
4. Corners may be square if base material is plywood but corners shall be rounded if base material is metal



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2																											
3																											
4	72	36	2 1/4	1/2	5/8	6	5	4	27 5/8	2	3	26 1/2	12 7/8	17 5/8	12	7 7/8	7 1/2	5 3/4	10 1/2	14 1/2							18.0
5																											

STANDARD SIGN
G20-40

WISCONSIN DEPT OF TRANSPORTATION

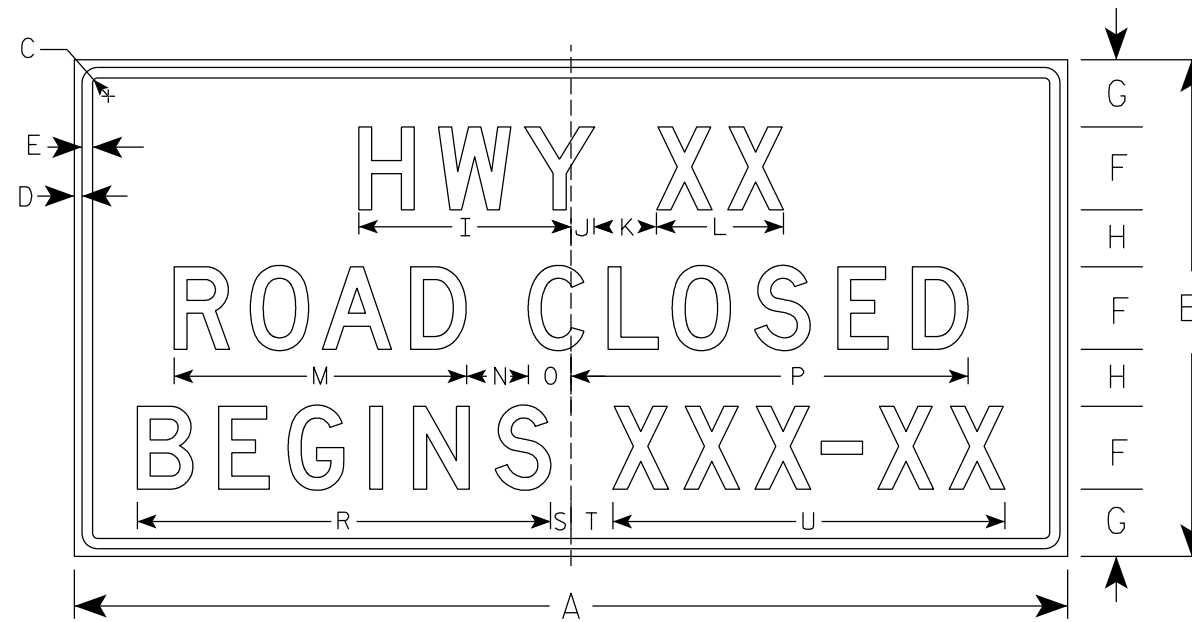
APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 4/1/2020 PLATE NO. G20-40.1

PROJECT NO: _____ HWY: _____ COUNTY: _____ SHEET NO: **E**

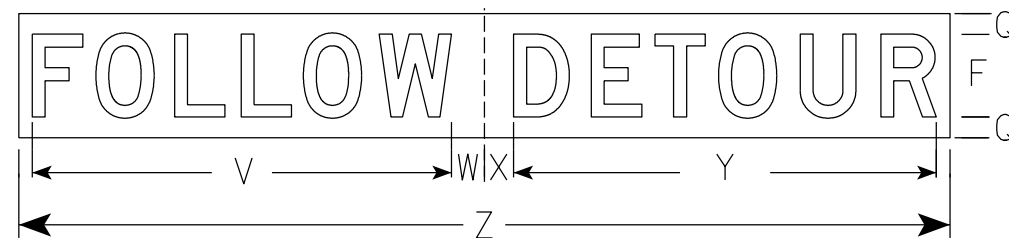
NOTES

1. Sign is Type II - Type F Reflective
2. Color:
Background - Orange
Message - Black
3. Message Series - D
4. Substitute appropriate numeral and adjust spacing to achieve proper balance.



G20-57C

PLAQUE ON .040" ALUMINUM



USE ONLY ONCE WHEN ROAD IS CLOSED

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2																											
3	72	36	1 1/8	1/2	5/8	6	5	4	15 5/8	1 5/8	5	9 1/4	21 1/8	5	2 7/8	29	2	30	1 3/4	3 1/4	28 3/8	40 1/2	2	2	29 3/4	66	18.0
4	96	48	2 1/4	3/4	1	8	6 1/2	5 1/2	20 5/8	2 1/4	6	12 1/4	28 1/4	6	4 1/8	38 3/8	2	39 7/8	2	4	37 7/8	29 3/4	3 1/8	2 7/8	40 7/8	90	32.0
5																											

STANDARD SIGN

G20-57C

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R. Rauch
For State Traffic Engineer

DATE 9/25/19

PLATE NO. G20-57C.1

PROJECT NO: _____ HWY: _____ COUNTY: _____ SHEET NO: **E**

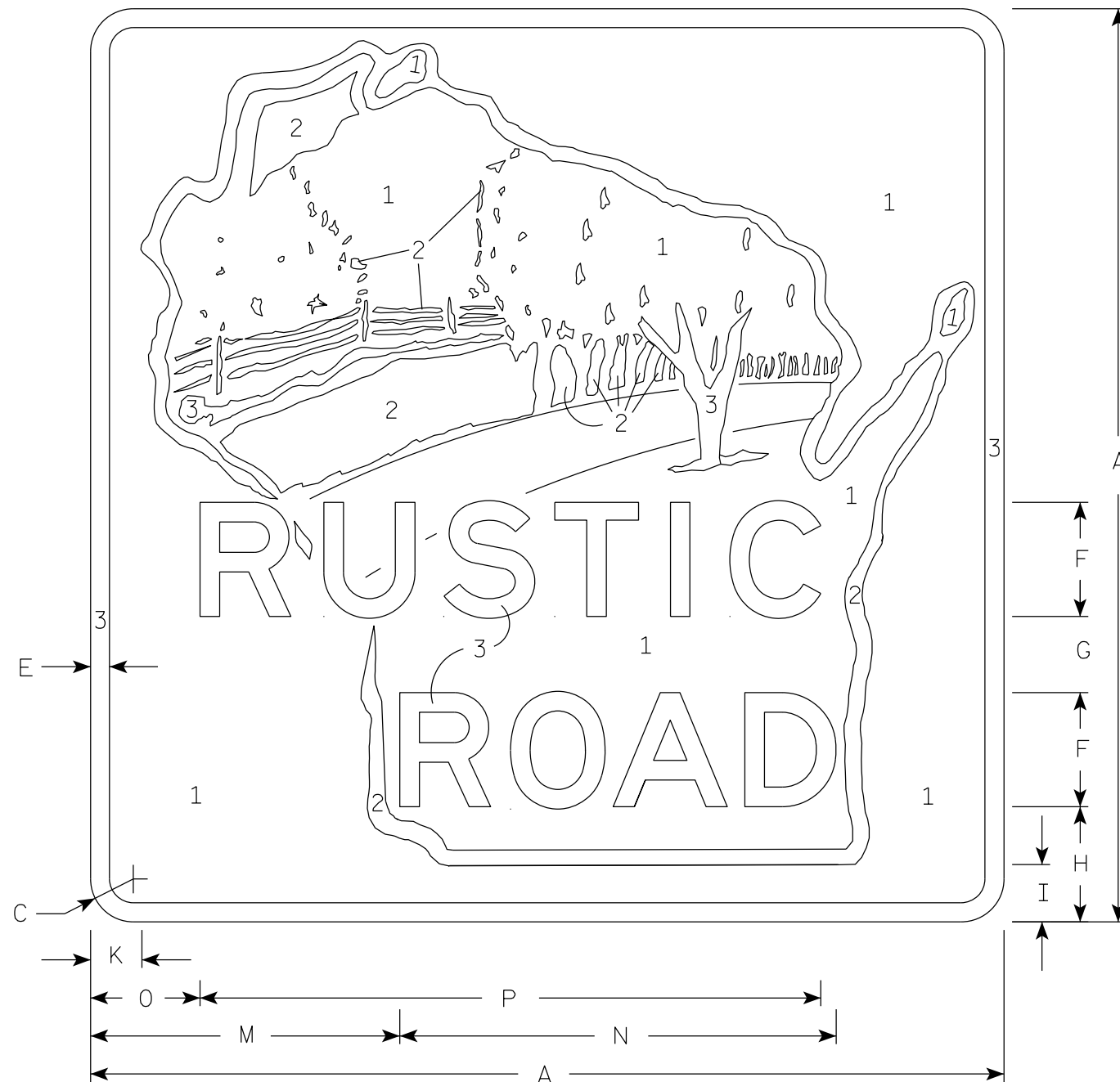
7

7

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
 - Background - See note 4
 - Message - See note 4
3. Message Series - Modified E
4. The sign will be color coded by numerical designation Numeral *1 Brown
2 White
3 Yellow

Exact color descriptions will be furnished upon request.



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/8		1/2	3	2	3	1 1/2		1 3/8		8 1/8	11 1/4	2 7/8	16 1/4											4.0
3	36		1 5/8		3/4	4 1/2	3	4 1/2	2 1/4		2		12 1/8	17 1/4	4 3/8	24 1/2											9.0
4	36		1 5/8		3/4	4 1/2	3	4 1/2	2 1/4		2		12 1/8	17 1/4	4 3/8	24 1/2											9.0
5																											

STANDARD SIGN
MR1-99

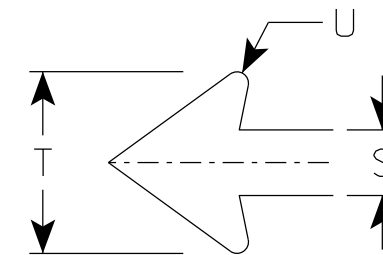
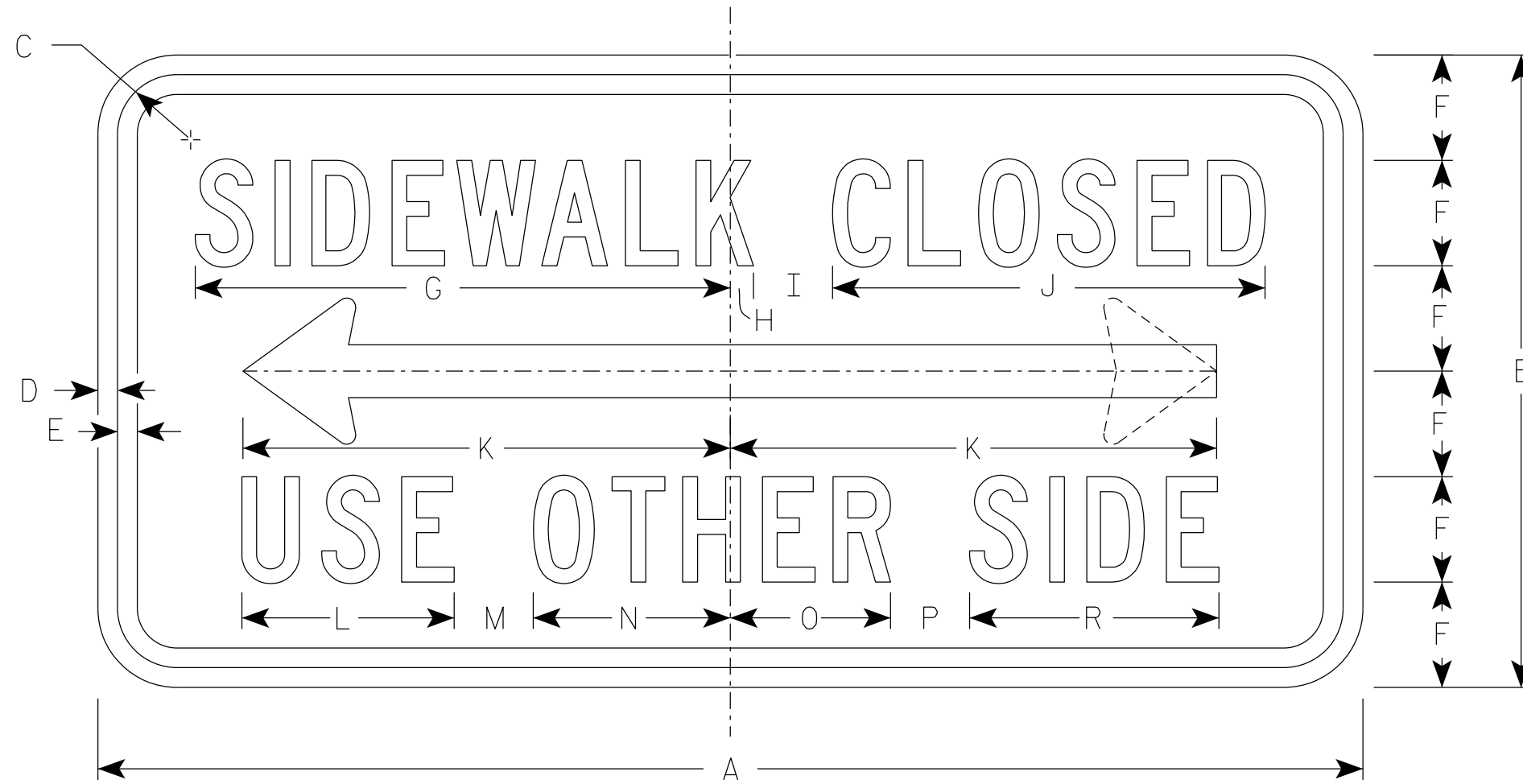
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R Rauch*
For State Traffic Engineer

DATE 4/8/2020 PLATE NO. MR1-99.6

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
Background - White
Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Use Size 2 for sidewalks. Use Size 3 for paths and trails.



R9-10

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/8	3/8	3/8	2	10 1/8	1/2	1 1/2	8 1/4	9 1/4	4	1 1/2	3 3/4	3	1 1/2		4 3/4	1	2 3/4	1/8						2.0
2M	24	12	1 1/8	3/8	3/8	2	10 1/8	1/2	1 1/2	8 1/4	9 1/4	4	1 1/2	3 3/4	3	1 1/2		4 3/4	1	2 3/4	1/8						2.0
3	30	15	1 1/8	3/8	1/2	2 1/2	12 3/4	1/2	2	10 1/4	12 3/8	5	2	4 5/8	3 3/4	2		5 7/8	1 1/4	3 5/8	1/4					3.125	
4																											
5																											

STANDARD SIGN
R9-10

WISCONSIN DEPT OF TRANSPORTATION

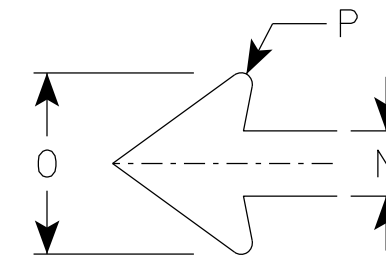
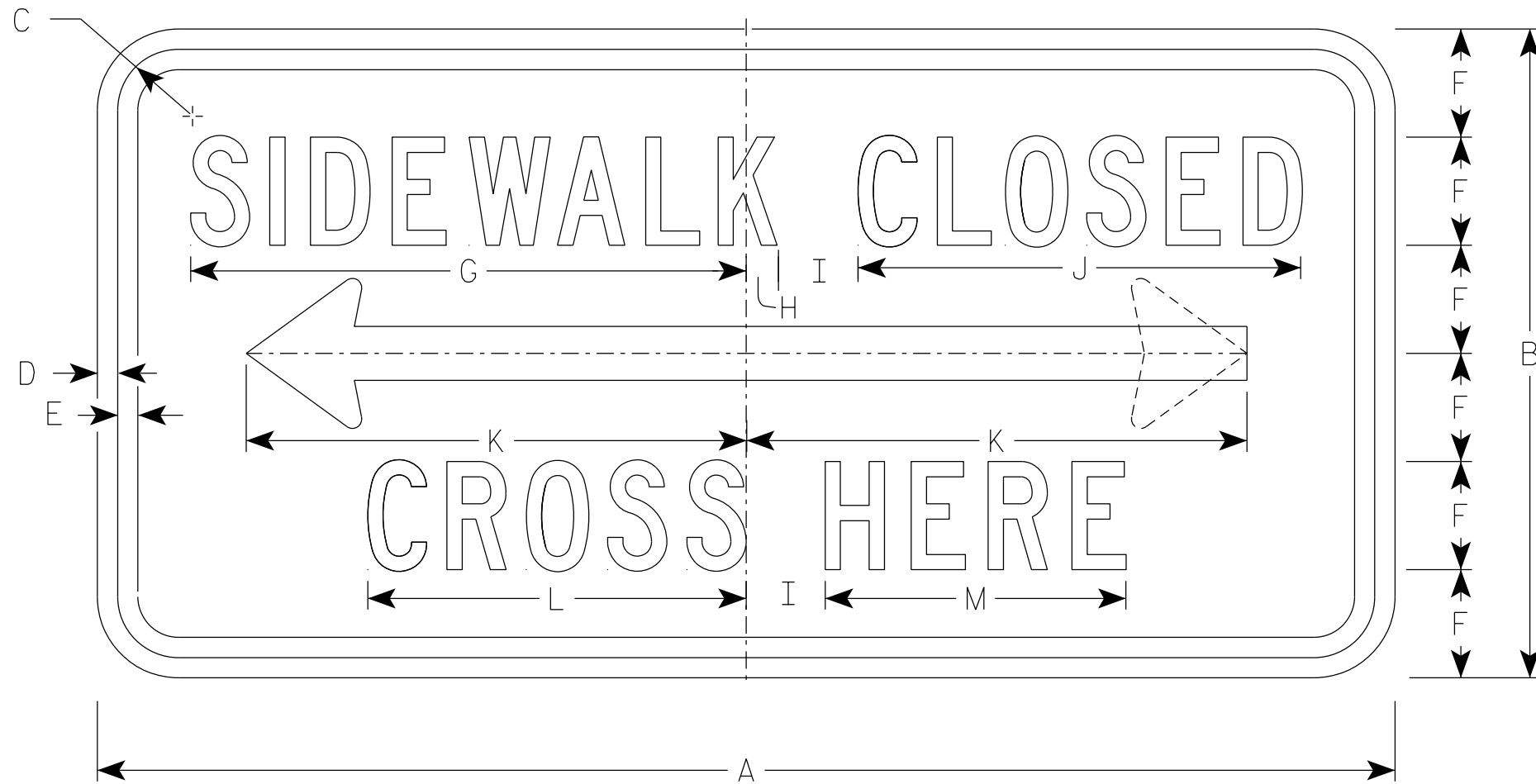
APPROVED *Matthew R. Rauch*
State Traffic Engineer

DATE 4/7/2020 PLATE NO. R9-10.7

PROJECT NO: _____ HWY: _____ COUNTY: _____ SHEET NO: **E**

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
Background - White
Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Use Size 2 for Sidewalks. Use Size 3 for paths and Trails.



ARROW DETAIL

R9-11A

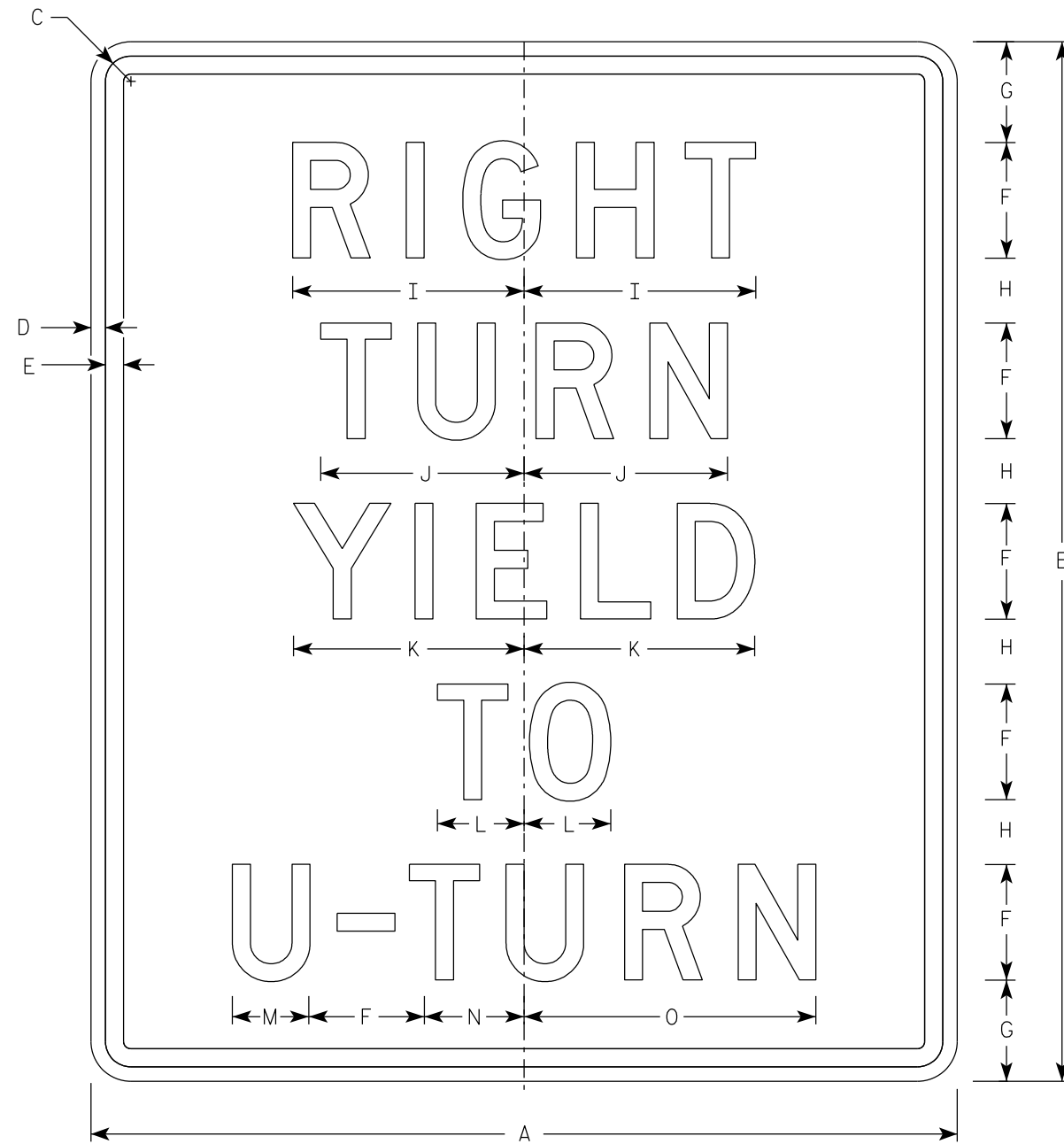
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/8	3/8	3/8	2	10 1/4	5/8	1 1/2	8 1/4	9 1/4	7	5 5/8	1	2 3/4	1/8											2.0
2M	24	12	1 1/8	3/8	3/8	2	10 1/4	5/8	1 1/2	8 1/4	9 1/4	7	5 5/8	1	2 3/4	1/8											2.0
3	30	15	1 1/8	3/8	1/2	2 1/2	12 3/4	1/2	2	10 1/4	12 3/8	8 5/8	6 3/4	1 1/4	3 5/8	1/4											3.125
4																											
5																											

STANDARD SIGN
R9-11A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
For State Traffic Engineer

DATE 4/7/2020 PLATE NO. R9-11A.4



R10-30A

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
Background - White
Message - Black
3. Message Series - D

7

7

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	36	1 3/8	1/2	5/8	4	3 1/2	2 1/4	8	7	8	3	2 5/8	3 1/2	10 1/8												7.5
2M	30	36	1 3/8	1/2	5/8	4	3 1/2	2 1/4	8	7	8	3	2 5/8	3 1/2	10 1/8												7.5
3																											
4																											
5																											

STANDARD SIGN
R10-30A

WISCONSIN DEPT OF TRANSPORTATION

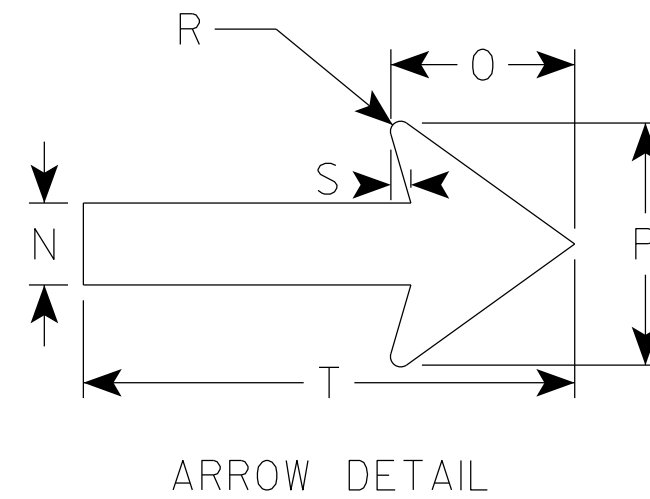
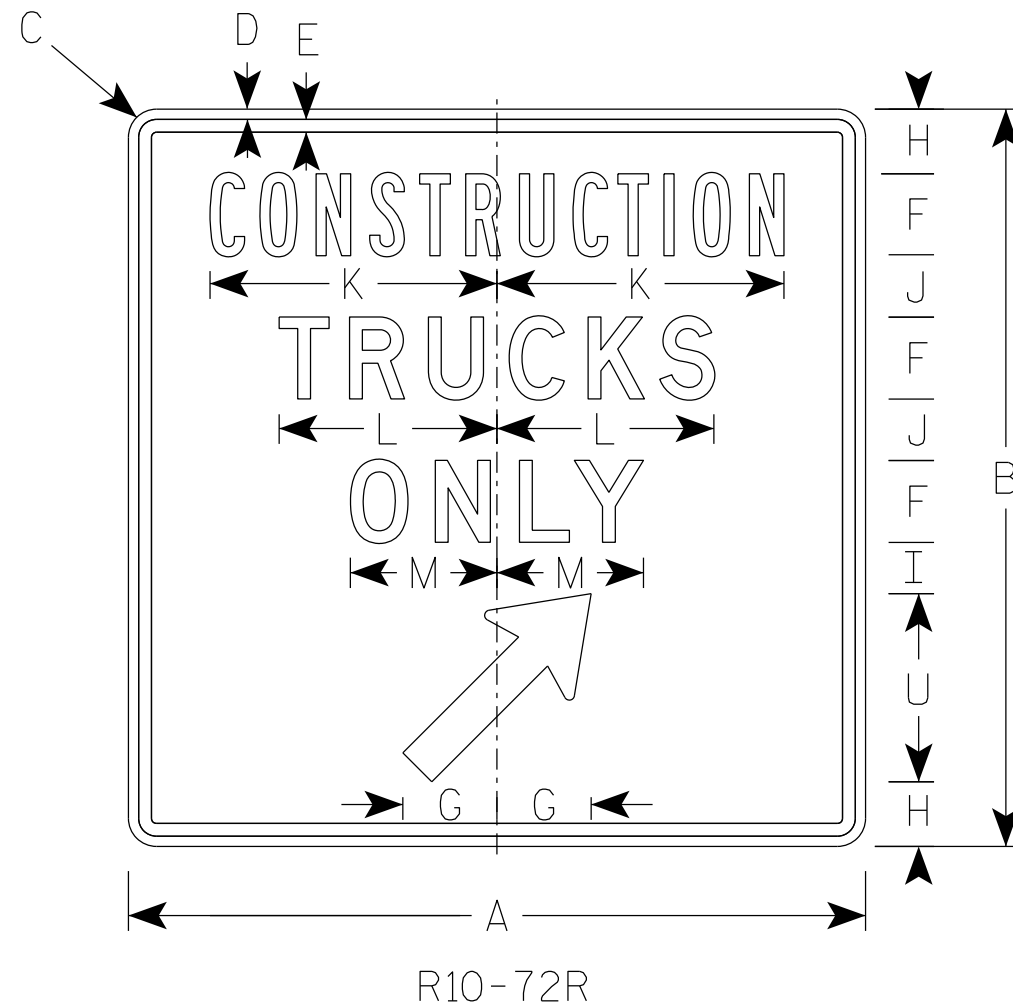
APPROVED *Matthew R. Rauch*
For State Traffic Engineer

DATE 3/26/2020 PLATE NO. R10-30A.1

PROJECT NO: _____ HWY: _____ COUNTY: _____ SHEET NO: _____ **E**

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
Background - White
Message - Black
3. Message Series - Line 1 Series B Line 2-3 Series D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. R10-72L is same as R10-72R except arrow is reversed



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	36	36	1 3/8	1/2	5/8	4	4 5/8	3 1/8	2 1/2	3	14	10 5/8	7 1/8	2	4 1/2	6		1/2	1/2	12	9 1/4						9.0
2M																											
3																											
4																											
5																											

STANDARD SIGN
R10-72

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

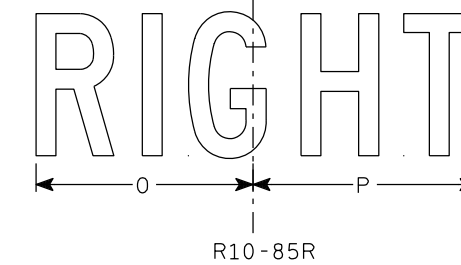
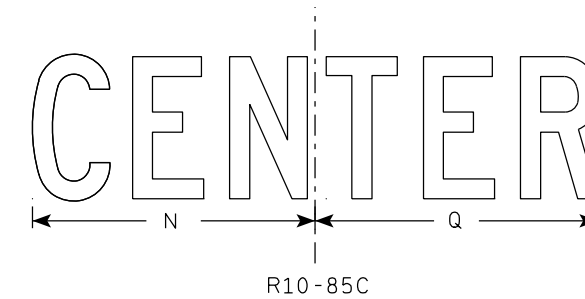
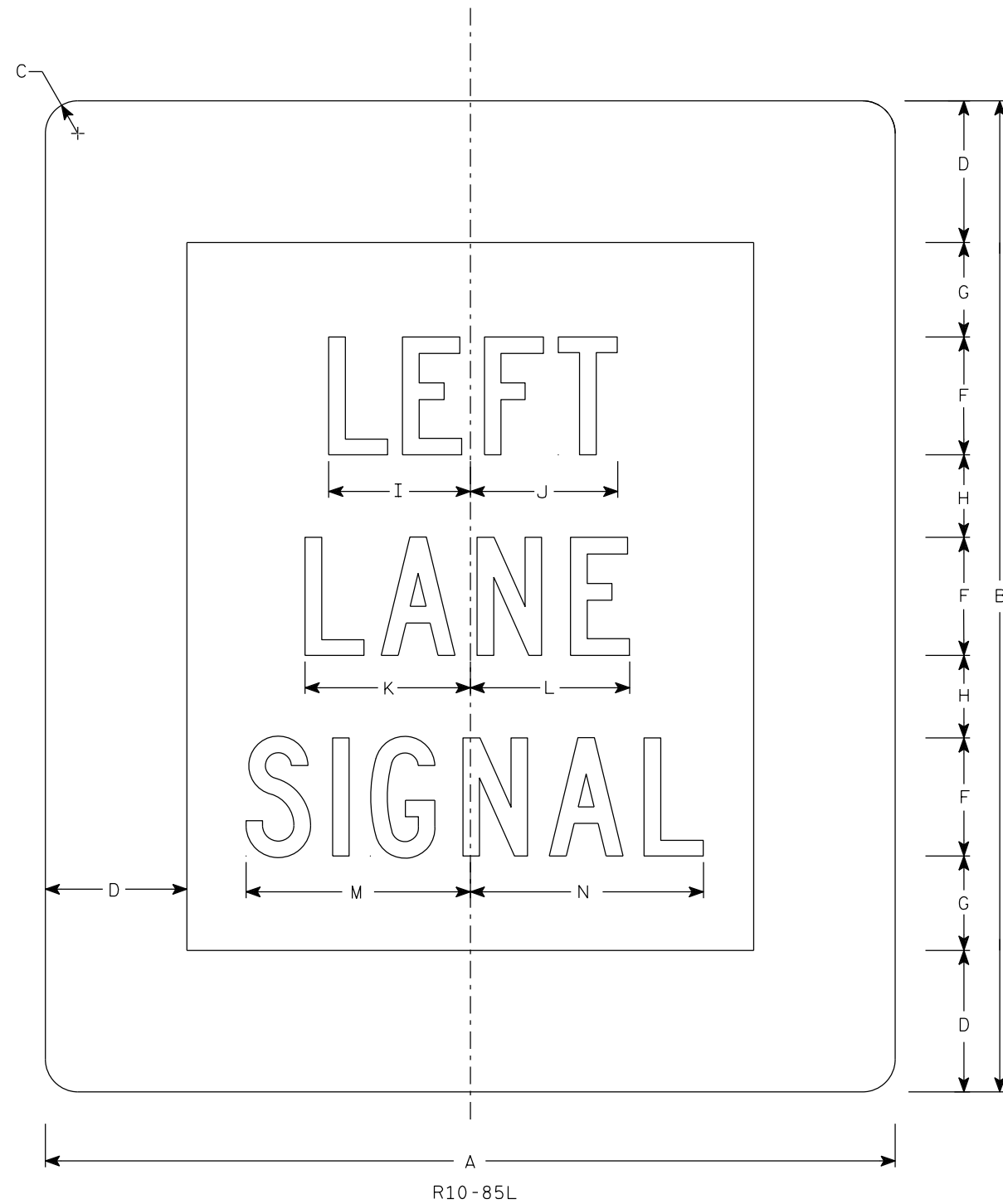
DATE 5/4/2020 PLATE NO. R10-72.1

7

7

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
Background - White
Message - Black
3. Message Series - C
4. The 6" border is non-reflective black.



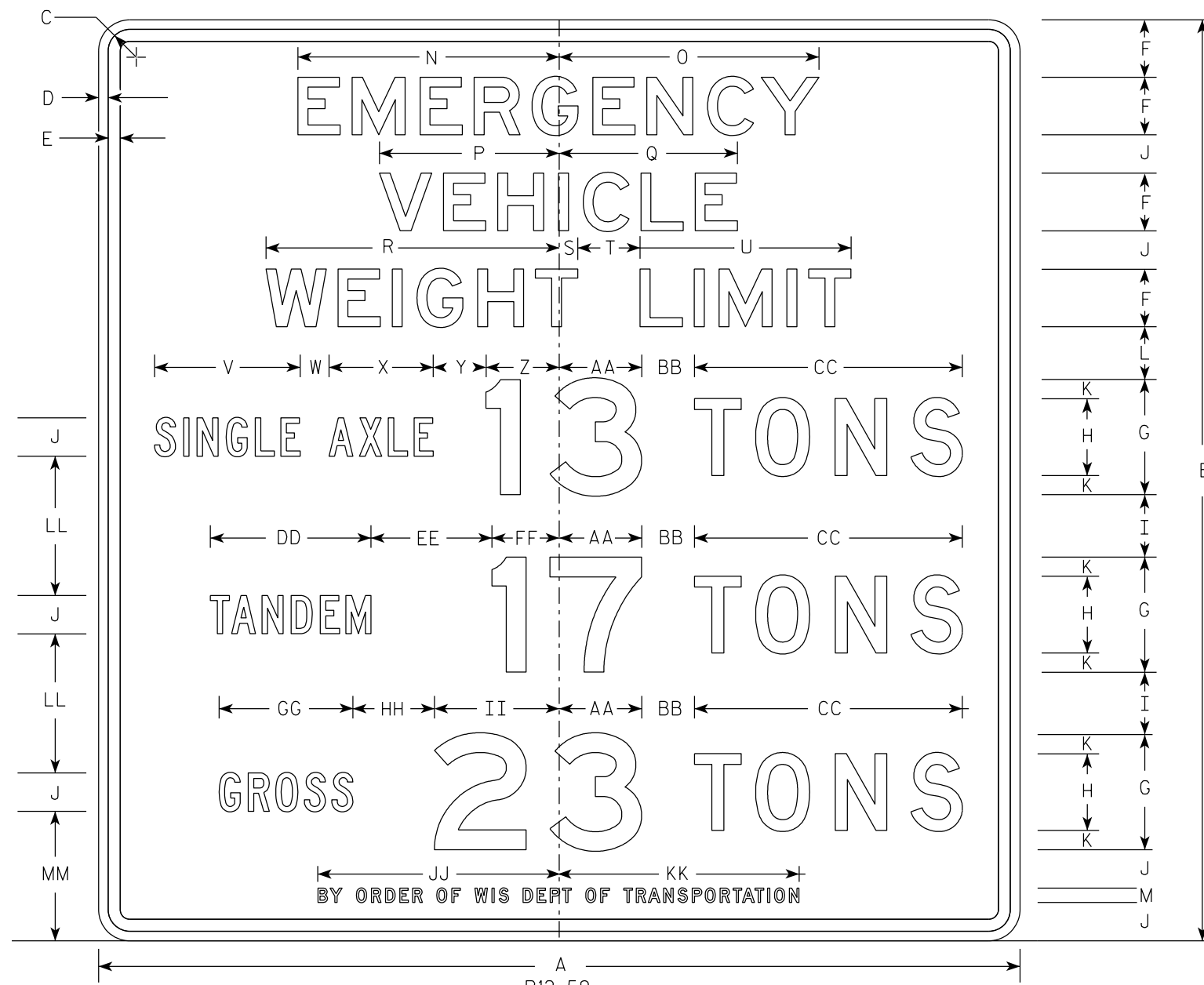
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	36	42	1 3/8	6		5	4	3 1/2	6	6 1/4	7	6 3/4	9 1/2	9 7/8	7 5/8	7 7/8	10									10.5	
2M	36	42	1 3/8	6		5	4	3 1/2	6	6 1/4	7	6 3/4	9 1/2	9 7/8	7 5/8	7 7/8	10									10.5	
3																											
4																											
5																											

STANDARD SIGN
R10-85

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
For State Traffic Engineer

DATE 3/31/2020 PLATE NO. R10-85.1



NOTES

1. Sign is Type II - Type H Reflective
2. Color:
Background - White
Message - Black
3. Message Series - See table below.
4. Substitute appropriate numerals.

7

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	48	1 5/8	1/2	5/8	3 E	6 E	4 D	3 1/4	2 C	1	2 3/4	3/4 D	13 5/8	13 1/2	9 3/8	9 1/4	15 1/4	1	3 1/4	11	7 5/8	1 1/2	5 3/8	2 3/4	3 7/8	16
2M	48	48	1 5/8	1/2	5/8	3 E	6 E	4 D	3 1/4	2 C	1	2 3/4	3/4 D	13 5/8	13 1/2	9 3/8	9 1/4	15 1/4	1	3 1/4	11	7 5/8	1 1/2	5 3/8	2 3/4	3 7/8	16
3																											
4																											
5																											

SIZE	AA	BB	CC	DD	EE	FF	GG	HH	II	JJ	KK	LL	MM
1													
2S	4 1/4	2 3/4	14	8 3/8	6 1/4	3 1/2	7	4 1/4	6 1/2	12 5/8	12 1/2	7 1/4	6 3/4
2M	4 1/4	2 3/4	14	8 3/8	6 1/4	3 1/2	7	4 1/4	6 1/2	12 5/8	12 1/2	7 1/4	6 3/4
3													
4													
5													

STANDARD SIGN
R12-59

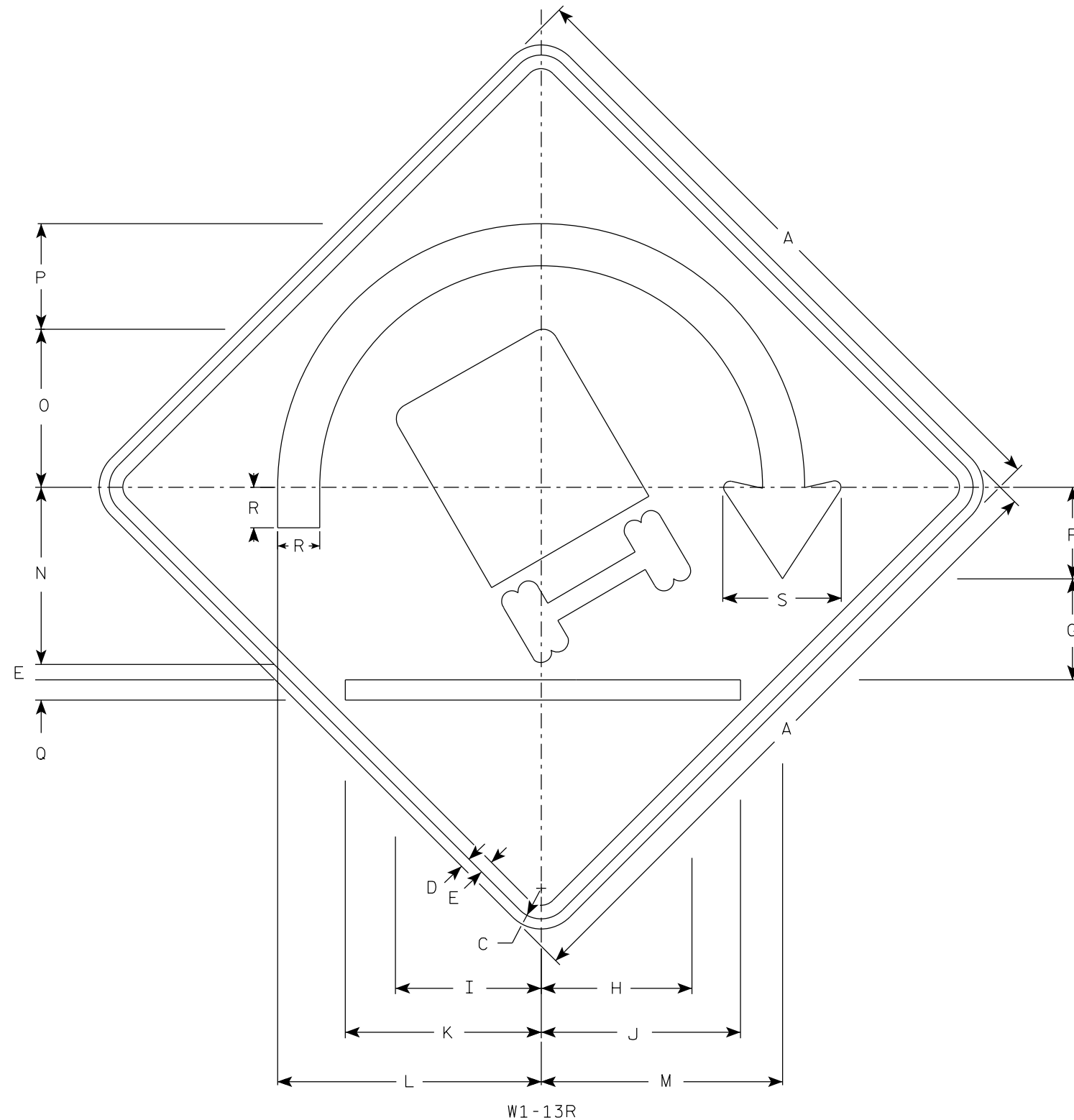
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
For State Traffic Engineer

DATE 4/8/2020 PLATE NO. R12-59.1

PROJECT NO: _____ HWY: _____ COUNTY: _____ SHEET NO: _____ **E**

7



NOTES

1. Sign is Type II - Type F Reflective
2. Color:
Background - Yellow
Message - Black
3. W1-13L is the same as W1-13R except the arrow points to the left and the truck tips to the right.

W1-13R

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	36		1 5/8	5/8	3/4	5 1/8	5 5/8	8 3/8	8 1/8	11 1/8	10 7/8	14 5/8	13 3/8	9 7/8	8 3/4	5 7/8	1 1/8	2 3/8	6 5/8								9.00
2M	36		1 5/8	5/8	3/4	5 1/8	5 5/8	8 3/8	8 1/8	11 1/8	10 7/8	14 5/8	13 3/8	9 7/8	8 3/4	5 7/8	1 1/8	2 3/8	6 5/8								9.00
3	36		1 5/8	5/8	3/4	5 1/8	5 5/8	8 3/8	8 1/8	11 1/8	10 7/8	14 5/8	13 3/8	9 7/8	8 3/4	5 7/8	1 1/8	2 3/8	6 5/8								9.00
4	48		2 1/4	3/4	1	6 3/4	7 1/2	11 1/8	10 3/4	14 3/4	14 1/2	19 1/2	22 1/4	13 1/8	11 3/4	7 3/4	1 1/2	3	8 3/4								16.00
5	48		2 1/4	3/4	1	6 3/4	7 1/2	11 1/8	10 3/4	14 3/4	14 1/2	19 1/2	22 1/4	13 1/8	11 3/4	7 3/4	1 1/2	3	8 3/4								16.00

STANDARD SIGN
W1-13

WISCONSIN DEPT OF TRANSPORTATION

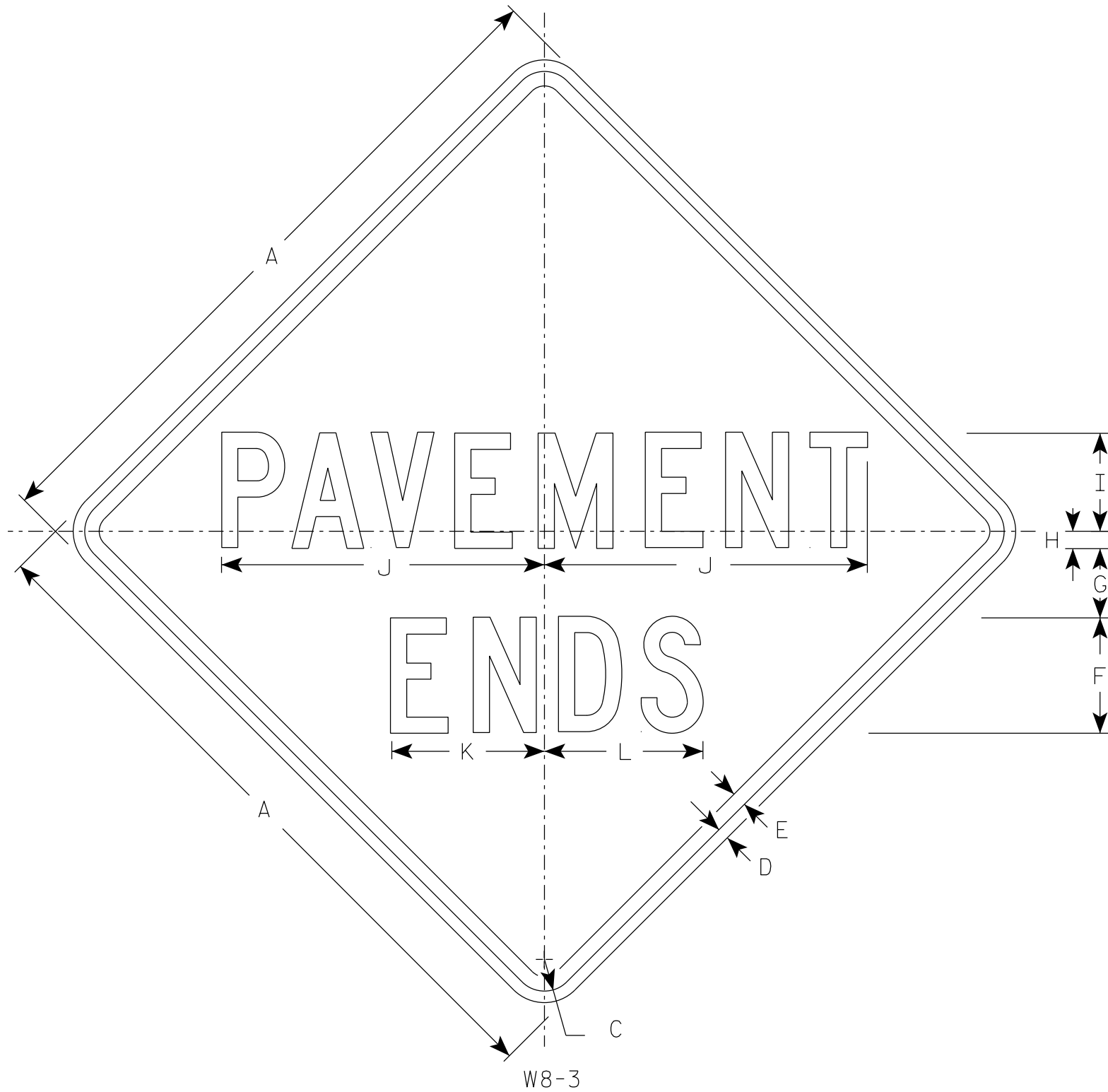
APPROVED *Matthew R. Rauch*
For State Traffic Engineer

DATE 5/14/2020 PLATE NO. W1-13RL.4

PROJECT NO: _____ HWY: _____ COUNTY: _____ SHEET NO: **E**

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
Background - Yellow
Message - Black
3. Message Series - C



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	5	3	3/4	4 1/4	14	6 5/8	6 7/8															6.25
2S	36		1 5/8	5/8	3/4	6	3 1/2	1	5	16 3/4	8	8 1/4															9.0
2M	36		1 5/8	5/8	3/4	6	3 1/2	1	5	16 3/4	8	8 1/4															9.0
3	36		1 5/8	5/8	3/4	6	3 1/2	1	5	16 3/4	8	8 1/4															9.0
4	36		1 5/8	5/8	3/4	6	3 1/2	1	5	16 3/4	8	8 1/4															9.0
5																											

STANDARD SIGN
W8-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 4/16/2020 PLATE NO. W8-3.10

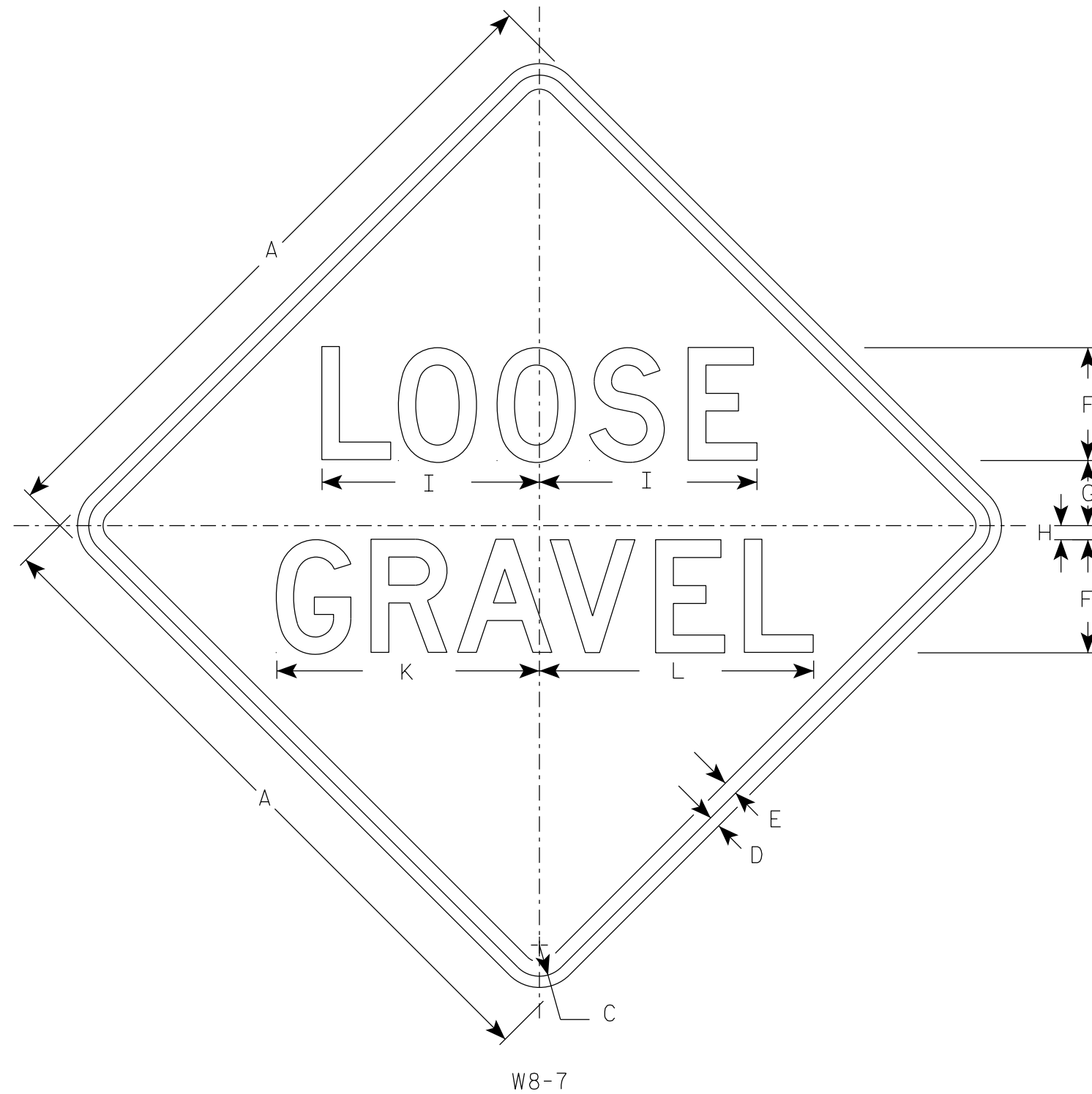
PROJECT NO: _____ HWY: _____ COUNTY: _____ SHEET NO: **E**

7

7

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
Background - Yellow
Message - Black
3. Message Series - D



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Areq sq. ft.
1	24		1 1/8	3/8	1/2	4	2 3/4	1/2	7 3/4		9 1/4	9 3/4															4.0
2S	36		1 5/8	5/8	3/4	6	4 1/8	3/4	11 5/8		14	14 1/2															9.0
2M	36		1 5/8	5/8	3/4	6	4 1/8	3/4	11 5/8		14	14 1/2															9.0
3	36		1 5/8	5/8	3/4	6	4 1/8	3/4	11 5/8		14	14 1/2															9.0
4	36		1 5/8	5/8	3/4	6	4 1/8	3/4	11 5/8		14	14 1/2															9.0
5	48		2 1/4	3/4	1	8	5 1/2	1	15 1/2		18 5/8	19 3/8															16.0

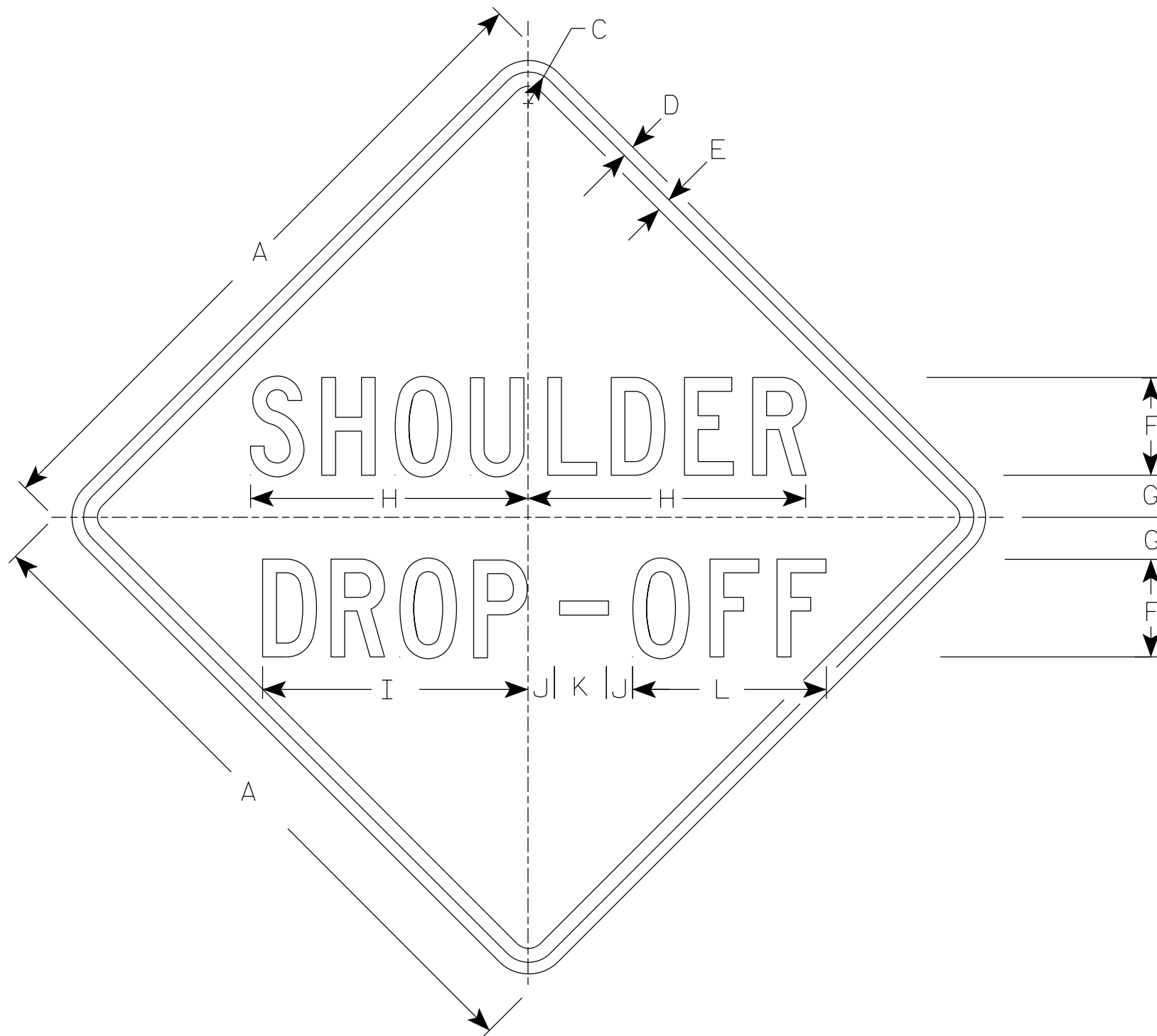
STANDARD SIGN
W8-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
For State Traffic Engineer

DATE 4/16/2020 PLATE NO. W8-7.8

PROJECT NO: _____ HWY: _____ COUNTY: _____ SHEET NO: **E**



W8-9A

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
Background - Orange
Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

7

7

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5	2	14 7/8	14	7/8	2 1/2	9 3/4															9.0
2S	48		2 1/4	3/4	1	7	3	19 7/8	19	1 7/8	3 3/4	13 7/8															16.0
2M	48		2 1/4	3/4	1	7	3	19 7/8	19	1 7/8	3 3/4	13 7/8															16.0
3	48		2 1/4	3/4	1	7	3	19 7/8	19	1 7/8	3 3/4	13 7/8															16.0
4	48		2 1/4	3/4	1	7	3	19 7/8	19	1 7/8	3 3/4	13 7/8															16.0
5	48		2 1/4	3/4	1	7	3	19 7/8	19	1 7/8	3 3/4	13 7/8															16.0

STANDARD SIGN
W8-9A

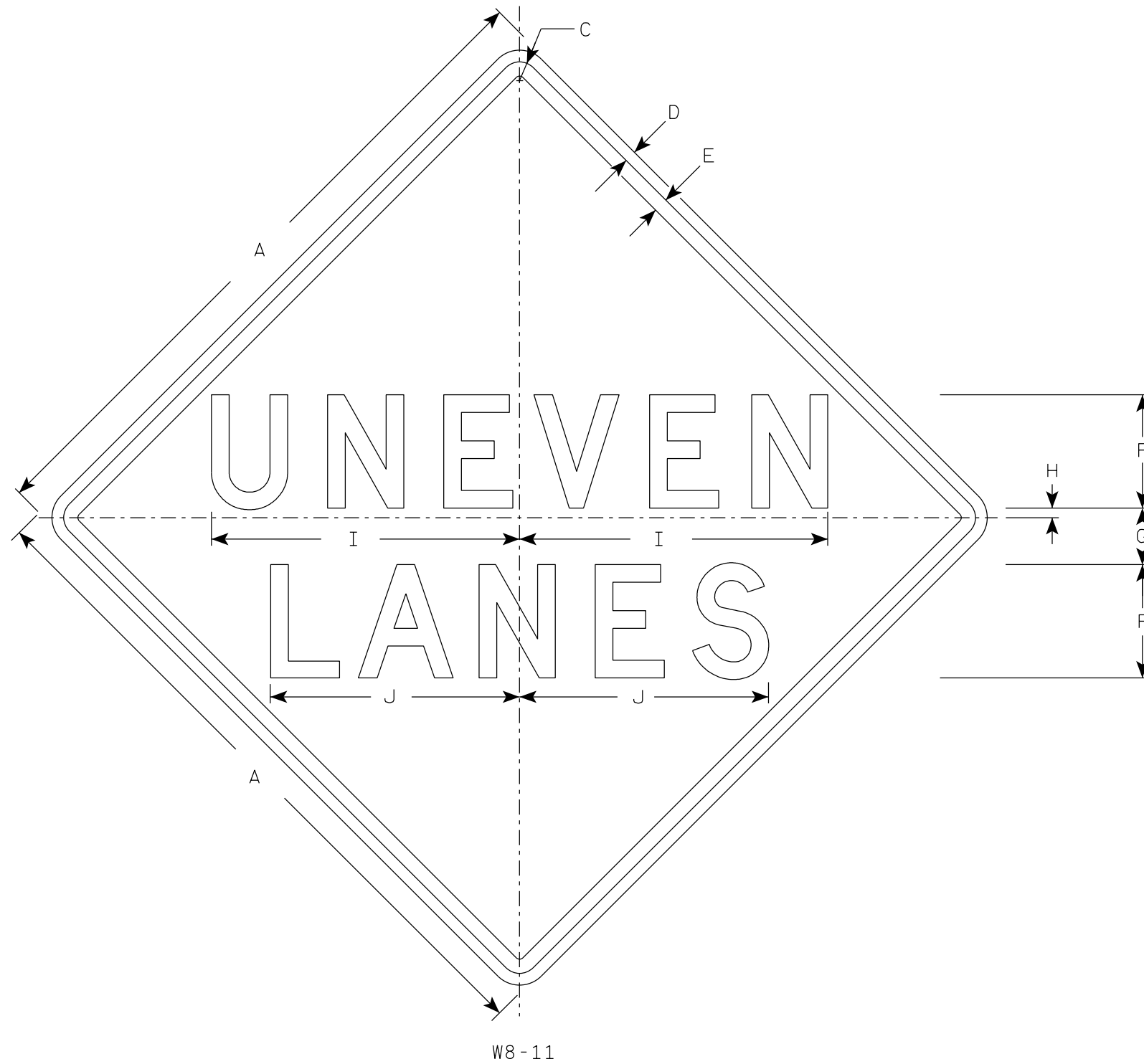
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
For State Traffic Engineer

DATE 4/16/2020 PLATE NO. W8-9A.4

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
Background - Orange
Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



7

7

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	6	3	1/2	16 3/8	13 1/4																	9.0
2S	48		2 1/4	3/4	1	8	4	1	21 3/4	17 5/8																	16.0
2M	48		2 1/4	3/4	1	8	4	1	21 3/4	17 5/8																	16.0
3	48		2 1/4	3/4	1	8	4	1	21 3/4	17 5/8																	16.0
4	48		2 1/4	3/4	1	8	4	1	21 3/4	17 5/8																	16.0
5	48		2 1/4	3/4	1	8	4	1	21 3/4	17 5/8																	16.0

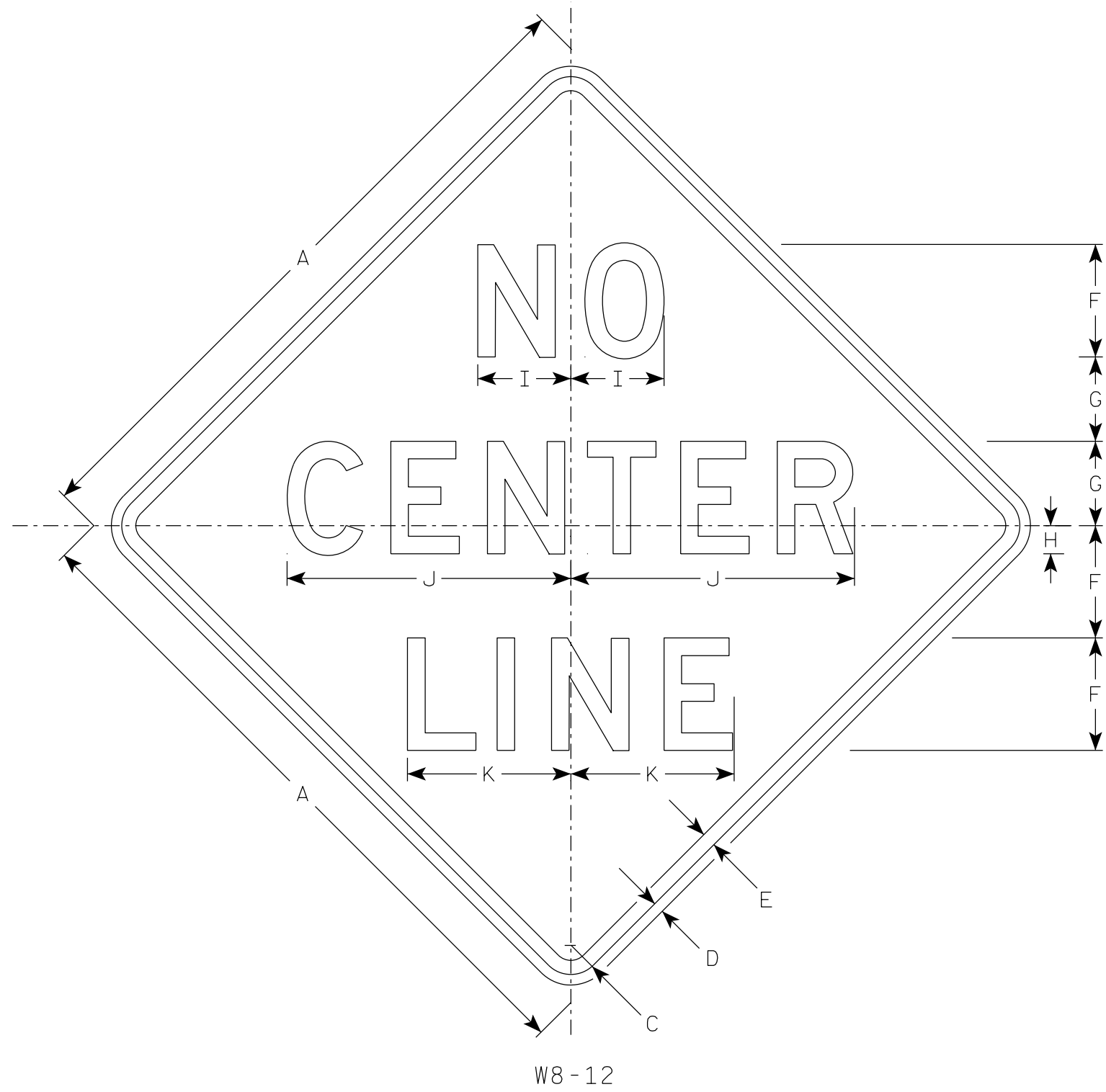
STANDARD SIGN
W8-11

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
For State Traffic Engineer

DATE 4/20/2020 PLATE NO. W8-11.5

PROJECT NO: _____ HWY: _____ COUNTY: _____ SHEET NO: **E**



NOTES

1. Sign is Type II - Type F Reflective
2. Color:
Background - Orange
Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

W8-12

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	6	4 1/2	1 1/2	5 1/8	16	9																9.0
2S	48		2 1/4	3/4	1	8	6	2	6 5/8	20 1/4	11 5/8																16.0
2M	48		2 1/4	3/4	1	8	6	2	6 5/8	20 1/4	11 5/8																16.0
3	48		2 1/4	3/4	1	8	6	2	6 5/8	20 1/4	11 5/8																16.0
4	48		2 1/4	3/4	1	8	6	2	6 5/8	20 1/4	11 5/8																16.0
5	48		2 1/4	3/4	1	8	6	2	6 5/8	20 1/4	11 5/8																16.0

STANDARD SIGN
W8-12

WISCONSIN DEPT OF TRANSPORTATION

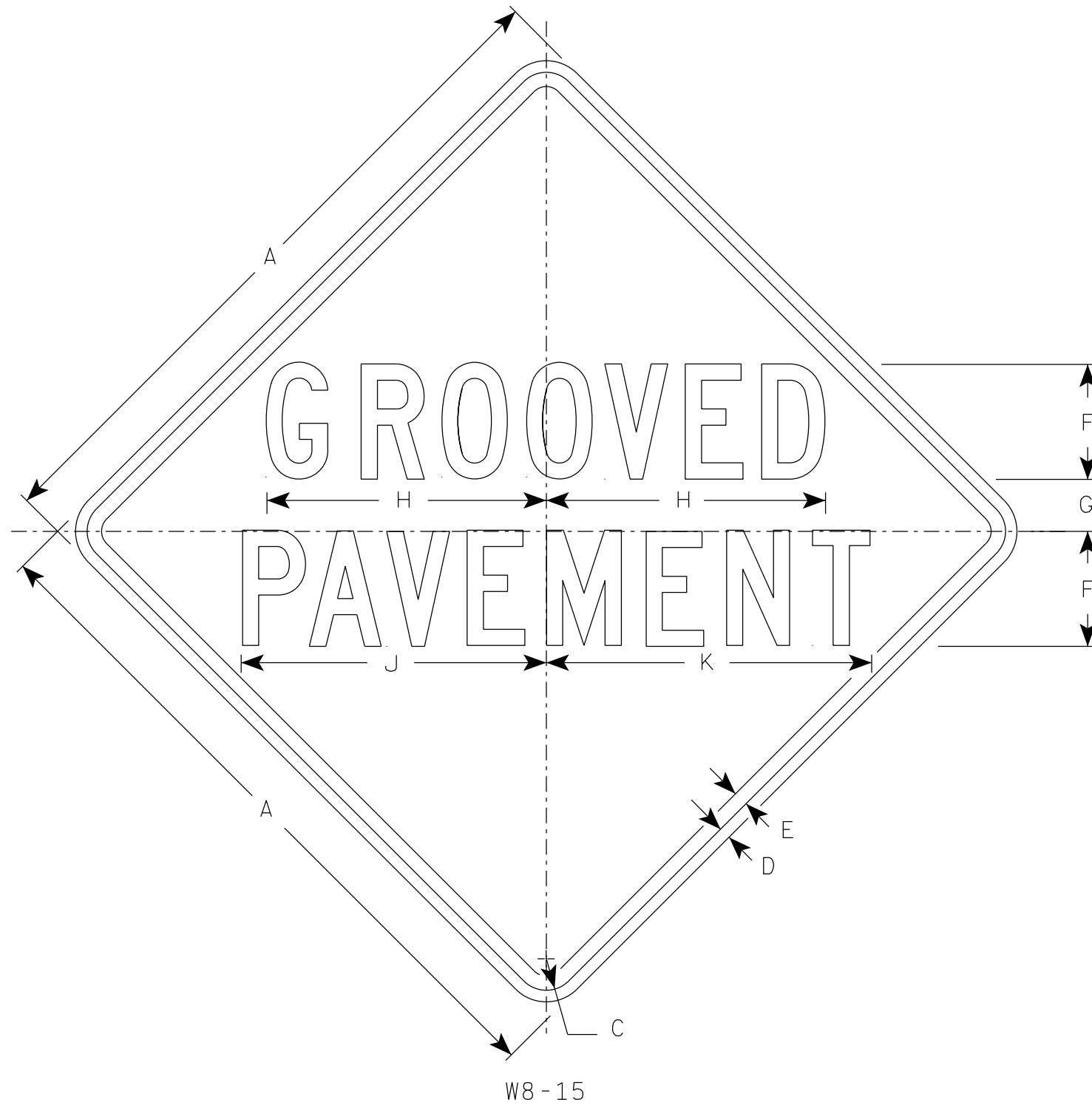
APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 4/30/2020 PLATE NO. W8-12.4

PROJECT NO: _____ HWY: _____ COUNTY: _____ SHEET NO: **E**

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
Background - Yellow
Message - Black
3. Message Series - C



W8-15

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30		1 ³ / ₈	1/2	5/8	5	2 1/4	12 1/8		13 1/4	14 1/8																6.25
2M	36		1 5/8	5/8	3/4	6	2 5/8	14 1/2		15 7/8	17																9.0
3	36		1 5/8	5/8	3/4	6	2 5/8	14 1/2		15 7/8	17																9.0
4	36		1 5/8	5/8	3/4	6	2 5/8	14 1/2		15 7/8	17																9.0
5	48		2 1/4	3/4	1	8	3 1/2	19 3/8		21 1/4	22 5/8																16.0

STANDARD SIGN
W8-15

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R Rauch*
For State Traffic Engineer

DATE 4/16/2020 PLATE NO. W8-15.1

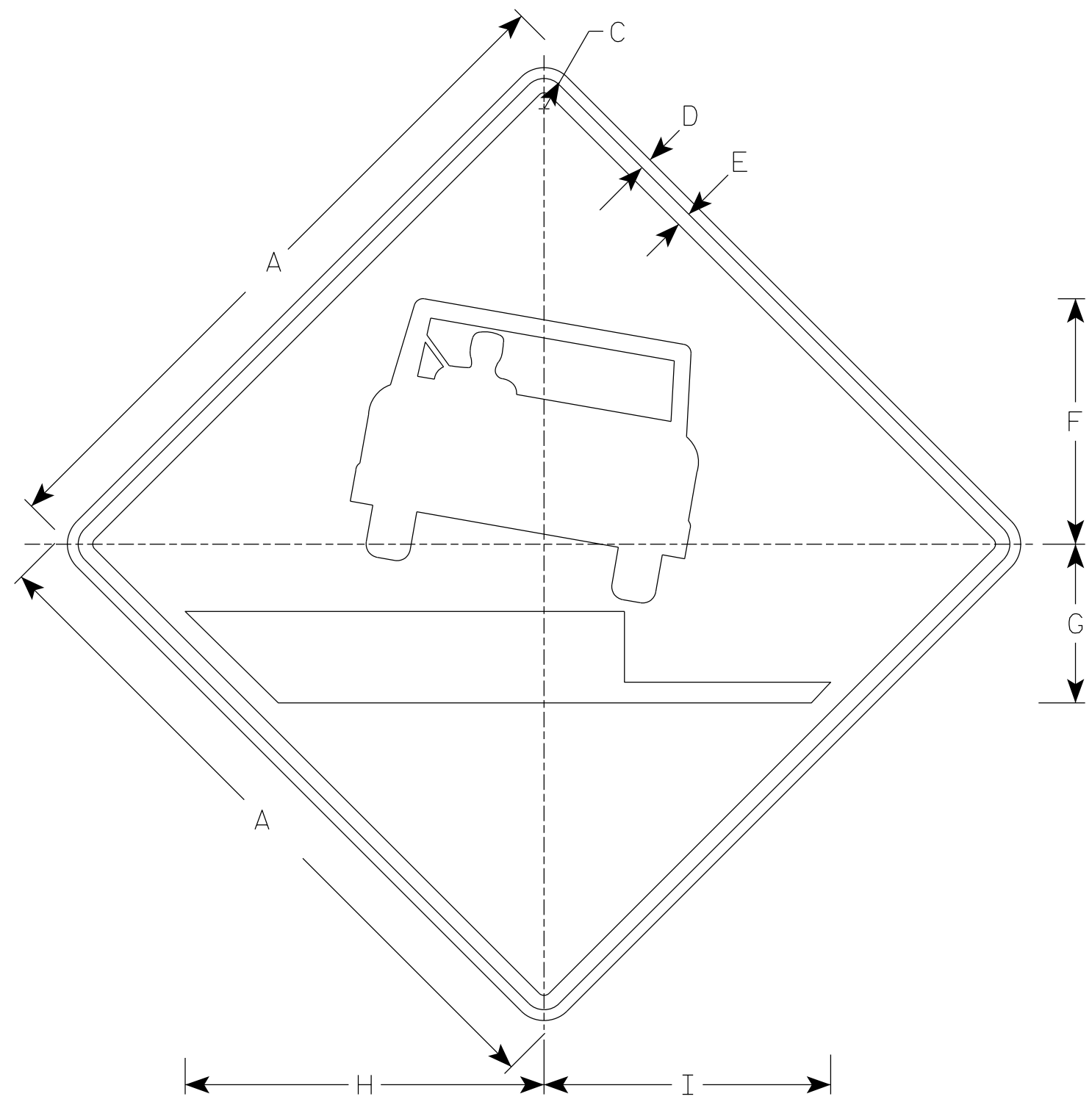
PROJECT NO: _____ HWY: _____ COUNTY: _____ SHEET NO: **E**

7

7

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
 - Background - Orange
 - Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



W8-17

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	12 3/4	8 1/4	18 5/8	14 7/8																		9.0
2S	48		2 1/4	3/4	1	17	11	24 7/8	19 7/8																		16.0
2M	48		2 1/4	3/4	1	17	11	24 7/8	19 7/8																		16.0
3	48		2 1/4	3/4	1	17	11	24 7/8	19 7/8																		16.0
4	48		2 1/4	3/4	1	17	11	24 7/8	19 7/8																		16.0
5	48		2 1/4	3/4	1	17	11	24 7/8	19 7/8																		16.0

STANDARD SIGN
W8-17

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
For State Traffic Engineer

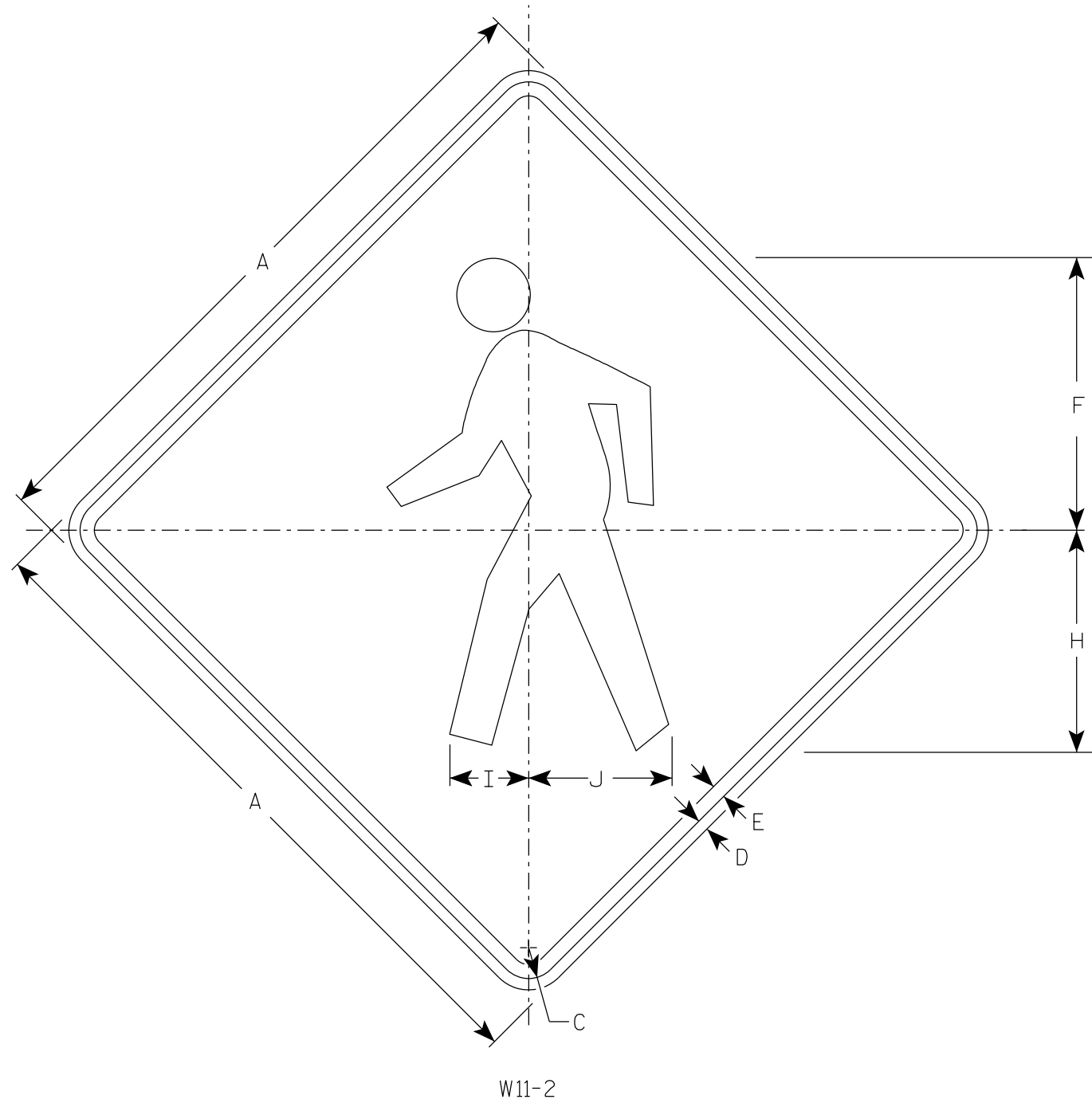
DATE 4/16/2020 PLATE NO. W8-17.2

7

7

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
 Background - Yellow
 Message - Black



W11-2

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	9 3/4		7 7/8	2 7/8	5 1/8																	4.0
2S	30		1 3/8	1/2	5/8	12 1/8		9 7/8	3 1/2	6 3/8																	6.25
2M	36		1 5/8	5/8	3/4	14 1/2		11 7/8	4 1/4	7 5/8																	9.0
3	36		1 5/8	5/8	3/4	14 1/2		11 7/8	4 1/4	7 5/8																	9.0
4	48		2 1/4	3/4	1	19 3/8		15 3/4	5 5/8	10 1/4																	16.0
5																											

STANDARD SIGN
W11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R Rauch*
for State Traffic Engineer

DATE 4/8/2020 PLATE NO. W11-2.8

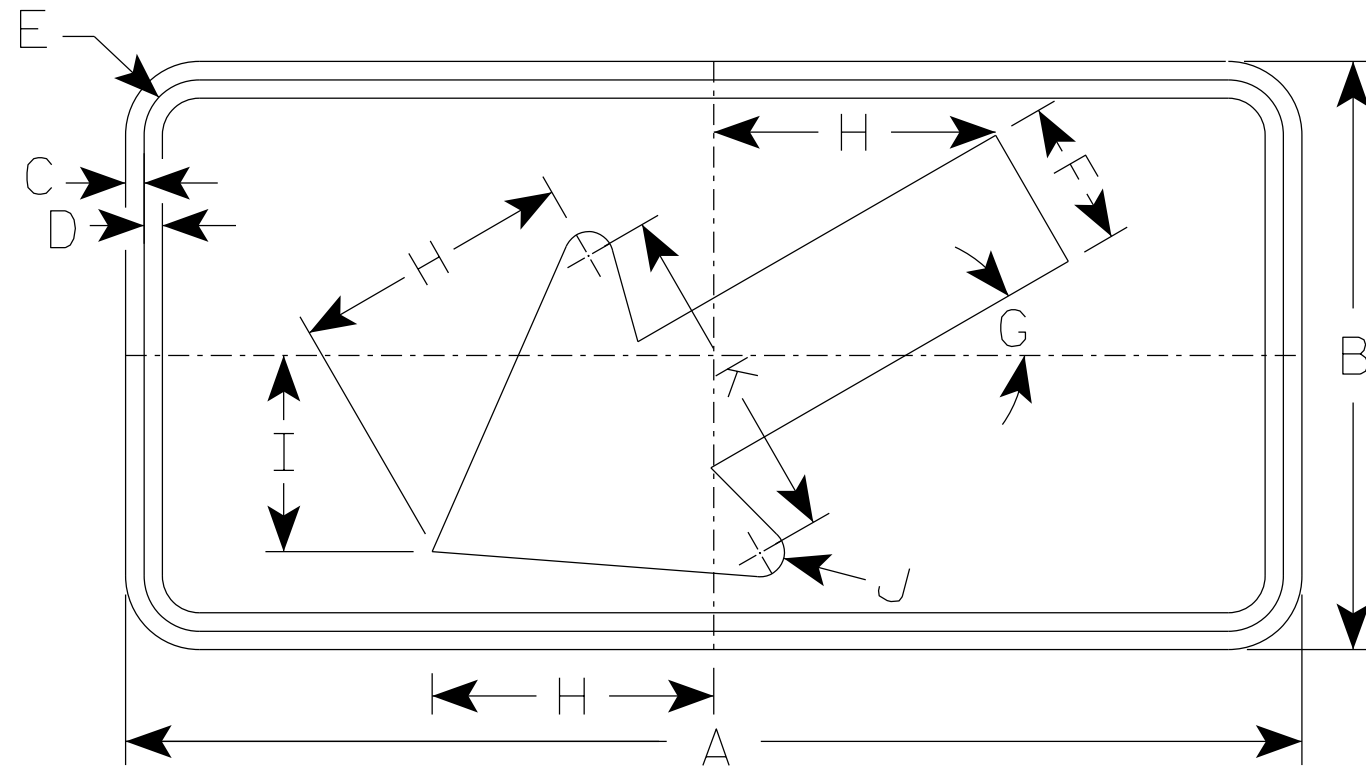
PROJECT NO: _____ HWY: _____ COUNTY: _____ SHEET NO: _____ **E**

7

7

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
Background - Yellow
Message - Black
3. W16-7R is the same as W16-7L
except the arrow is reversed along
the vertical centerline.



W16-7L

- * For 36" x 36" Warning Signs, use 30" x 18" W16-7L signs.
- * For 48" x 48" Warning Signs, use 48" x 24" W16-7L signs.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	3/8	3/8	1 1/8	3	30°	5 3/4	4	1/2	7																2.0
* 2M	30	18	3/8	1/2	1 1/8	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
* 3	30	18	3/8	1/2	1 1/8	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
* 4	48	24	1/2	5/8	1 3/8	6	30°	11 1/2	8	1	14																8.0
5																											

STANDARD SIGN
W16-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 2/25/2020 PLATE NO. W16-7.7

7

7

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
Background - Yellow
Message - Black
3. Message Series - C



W16-9P

- * For 36" x 36" Warning Signs, use 30" x 18" W16-9P signs.
- * For 48" x 48" Warning Signs, use 48" x 24" W16-9P signs.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/8	3/8	3/8	5	3 1/2	3 1/8	17 3/4																		2.0
* 2M	30	18	1 1/8	3/8	1/2	7	5 1/2	2 3/4	24 1/2																		3.75
* 3	30	18	1 1/8	3/8	1/2	7	3 1/2	2 3/4	24 1/2																		3.75
* 4	48	24	1 3/8	1/2	5/8	10	7	6 1/8	35 3/4																		8.0
5																											

STANDARD SIGN
W16-9P

WISCONSIN DEPT OF TRANSPORTATION

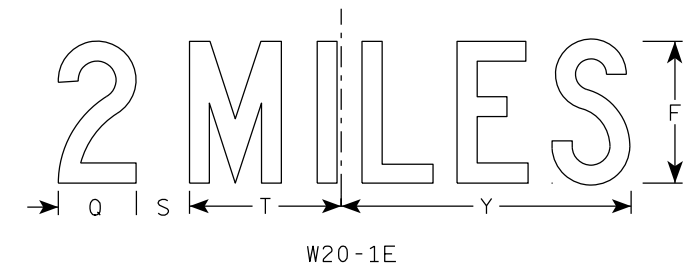
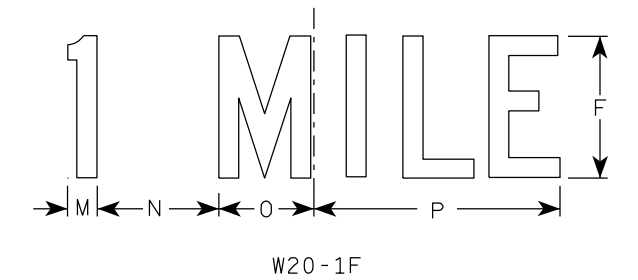
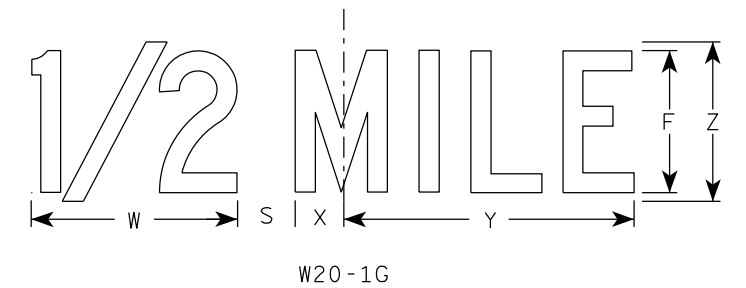
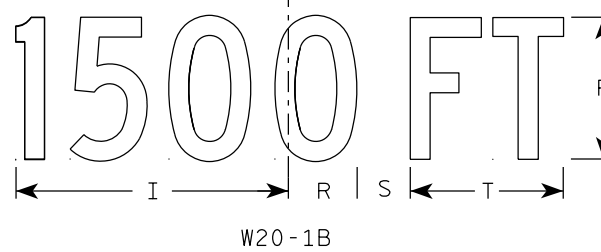
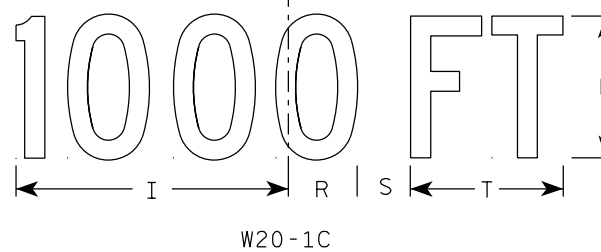
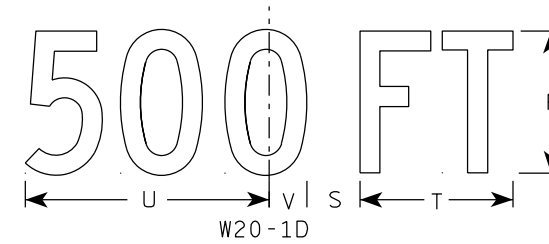
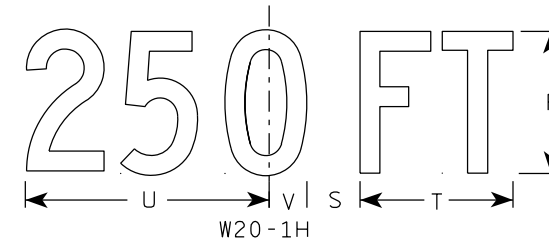
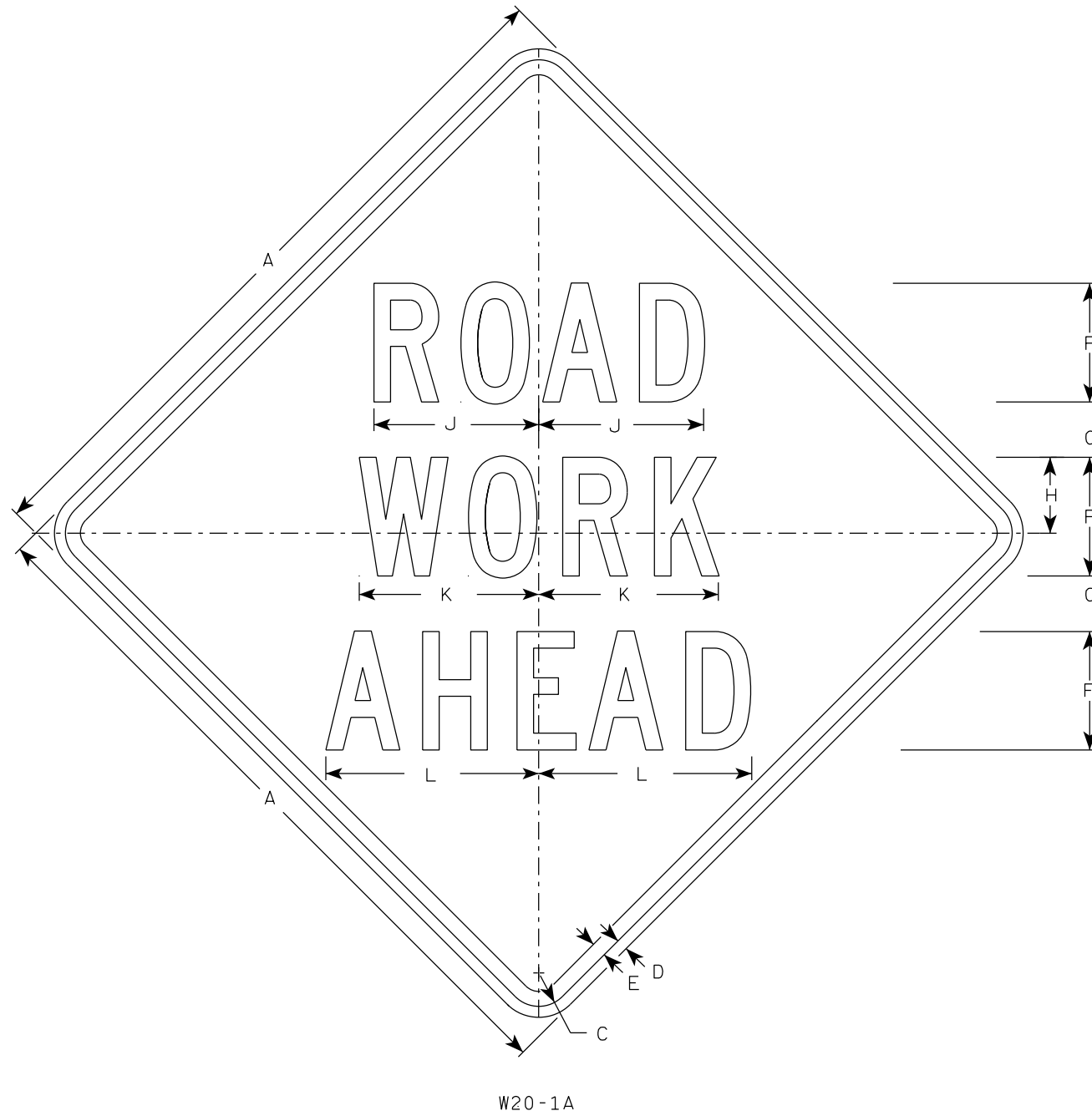
APPROVED *Matthew R. Rauch*
State Traffic Engineer

DATE 2/25/2020 PLATE NO. W16-9P.8

PROJECT NO: _____ HWY: _____ COUNTY: _____ SHEET NO: _____ **E**

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
Background - Orange
Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5	2 5/8	3 1/4	10 1/8	7	7 5/8	8 7/8	1 1/8	4 1/2	3 1/2	9	3 1/4	2 1/2	2 1/4	5 5/8	9	1 3/8	8	1 3/4	10 3/4	6	9.0
2S	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
2M	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
3	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
4	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
5	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0

STANDARD SIGN
W20-1A, B, C, D, E, F, G & H

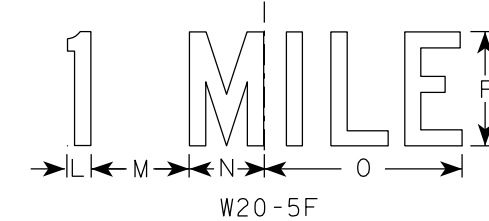
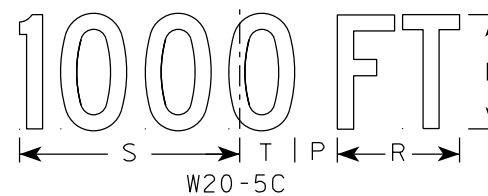
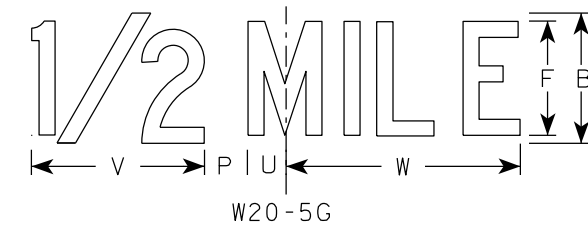
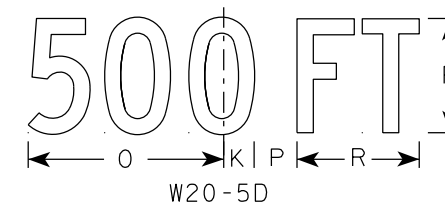
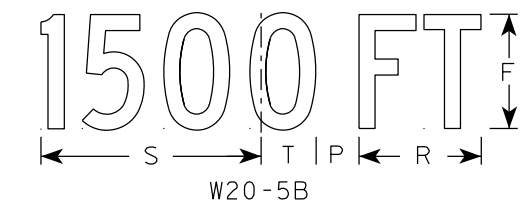
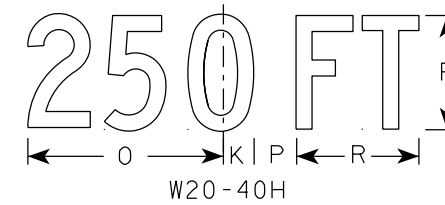
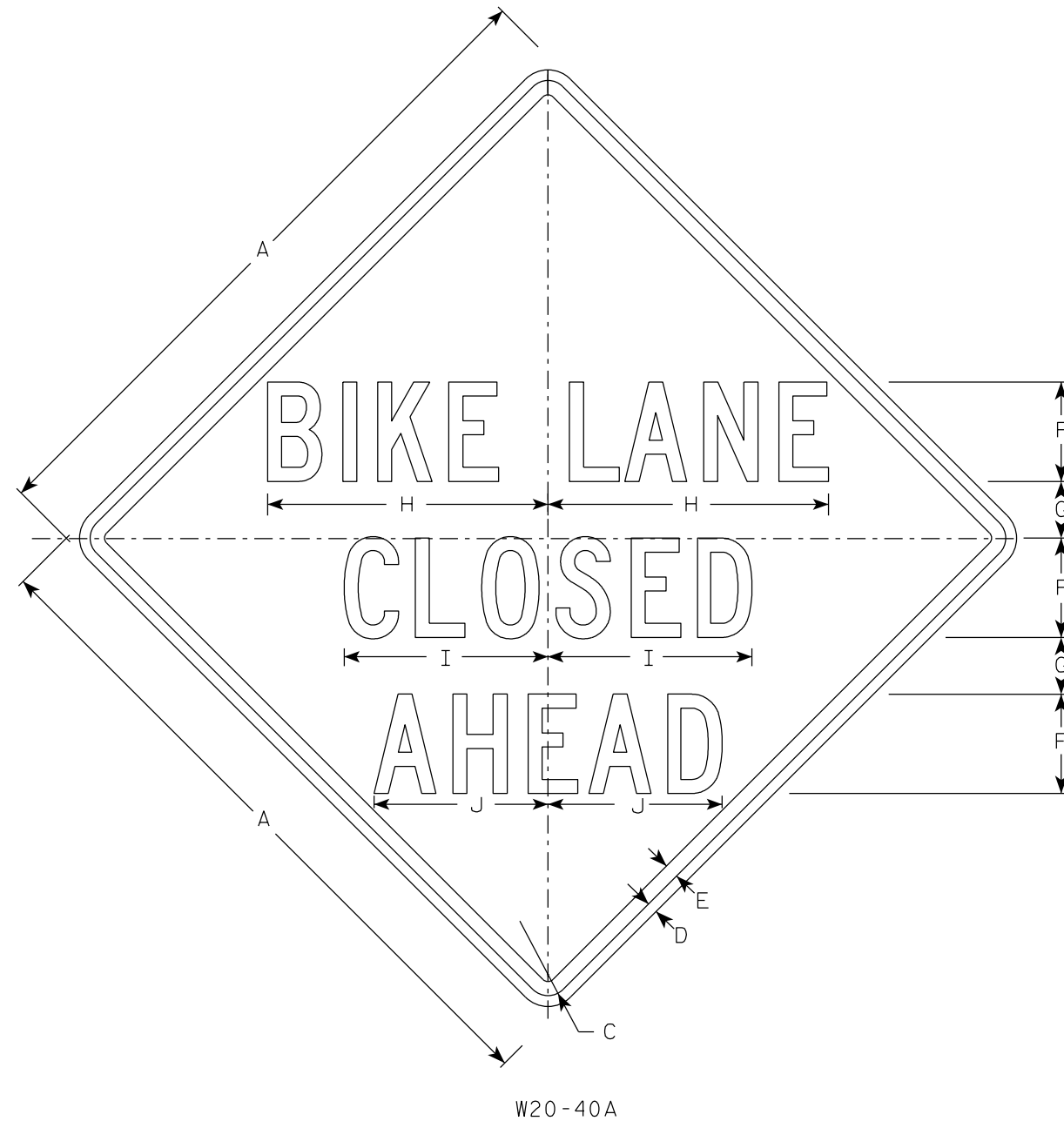
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
For State Traffic Engineer

DATE 3/25/2020 PLATE NO. W20-1.11

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
Background - Orange
Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	6	1 5/8	5/8	3/4	5	3	14 3/8	10 1/4	8 3/4	1 3/8	1 1/8	4 1/2	3 1/2	9	1 7/8		5 5/8	10 1/8	2 1/2	1 3/4	8	10 1/4			9.0	
2S	48	8	2 1/4	3/4	1	7	4	19 3/4	14 3/8	12 1/2	1 7/8	1 1/2	6	4 5/8	12	2 5/8		7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	14 3/8			16.0	
2M	48	8	2 1/4	3/4	1	7	4	19 3/4	14 3/8	12 1/2	1 7/8	1 1/2	6	4 5/8	12	2 5/8		7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	14 3/8			16.0	
3	48	8	2 1/4	3/4	1	7	4	19 3/4	14 3/8	12 1/2	1 7/8	1 1/2	6	4 5/8	12	2 5/8		7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	14 3/8			16.0	
4	48	8	2 1/4	3/4	1	7	4	19 3/4	14 3/8	12 1/2	1 7/8	1 1/2	6	4 5/8	12	2 5/8		7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	14 3/8			16.0	
5	48	8	2 1/4	3/4	1	7	4	19 3/4	14 3/8	12 1/2	1 7/8	1 1/2	6	4 5/8	12	2 5/8		7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	14 3/8			16.0	

STANDARD SIGN
W20-40A, B, C, D, F, G & H

WISCONSIN DEPT OF TRANSPORTATION

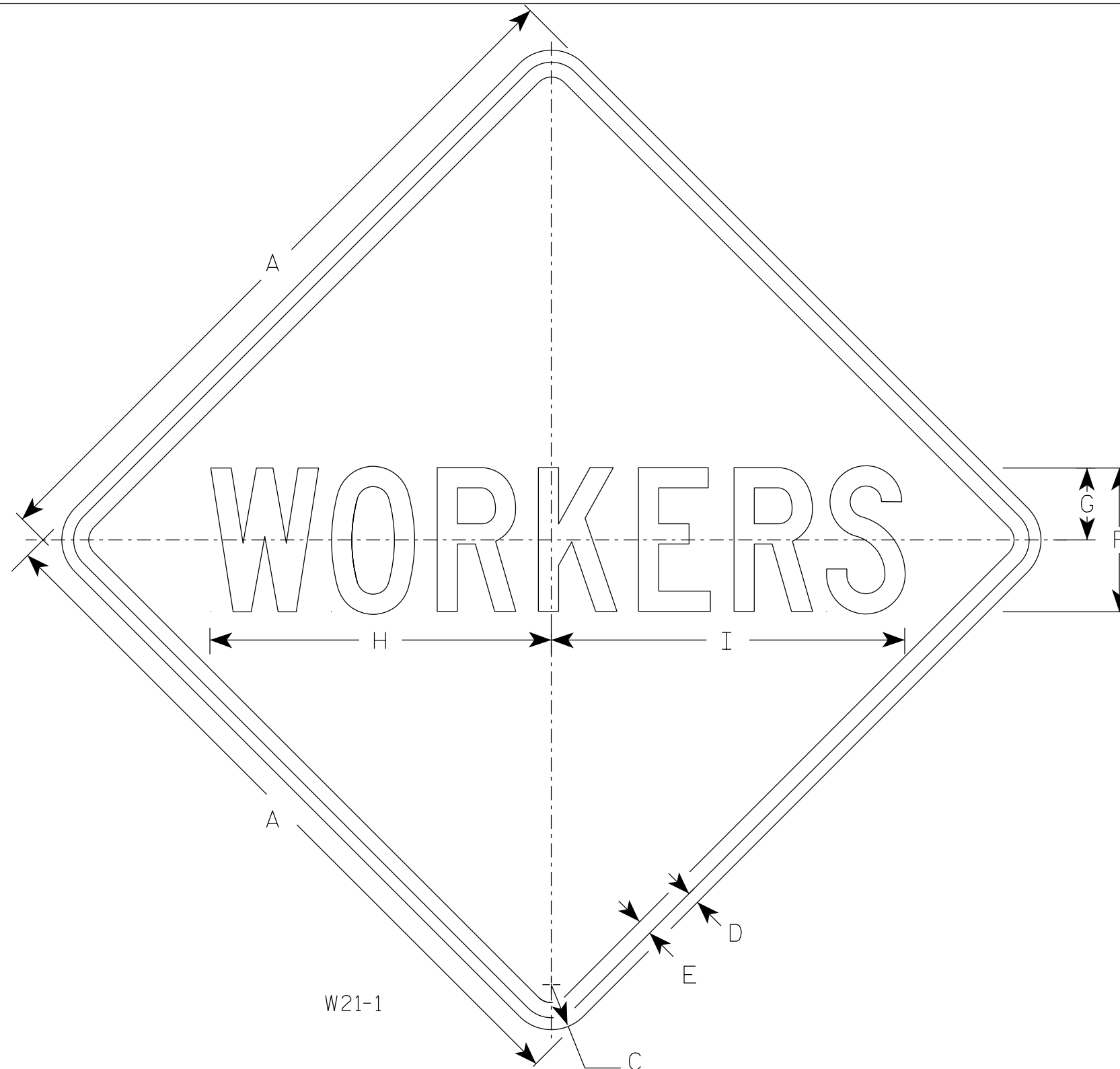
APPROVED *Matthew R Rauch*
For State Traffic Engineer

DATE 3/25/2020 PLATE NO. W20-40.1

PROJECT NO: _____ HWY: _____ COUNTY: _____ SHEET NO: **E**

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
Background - Orange
Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



W21-1

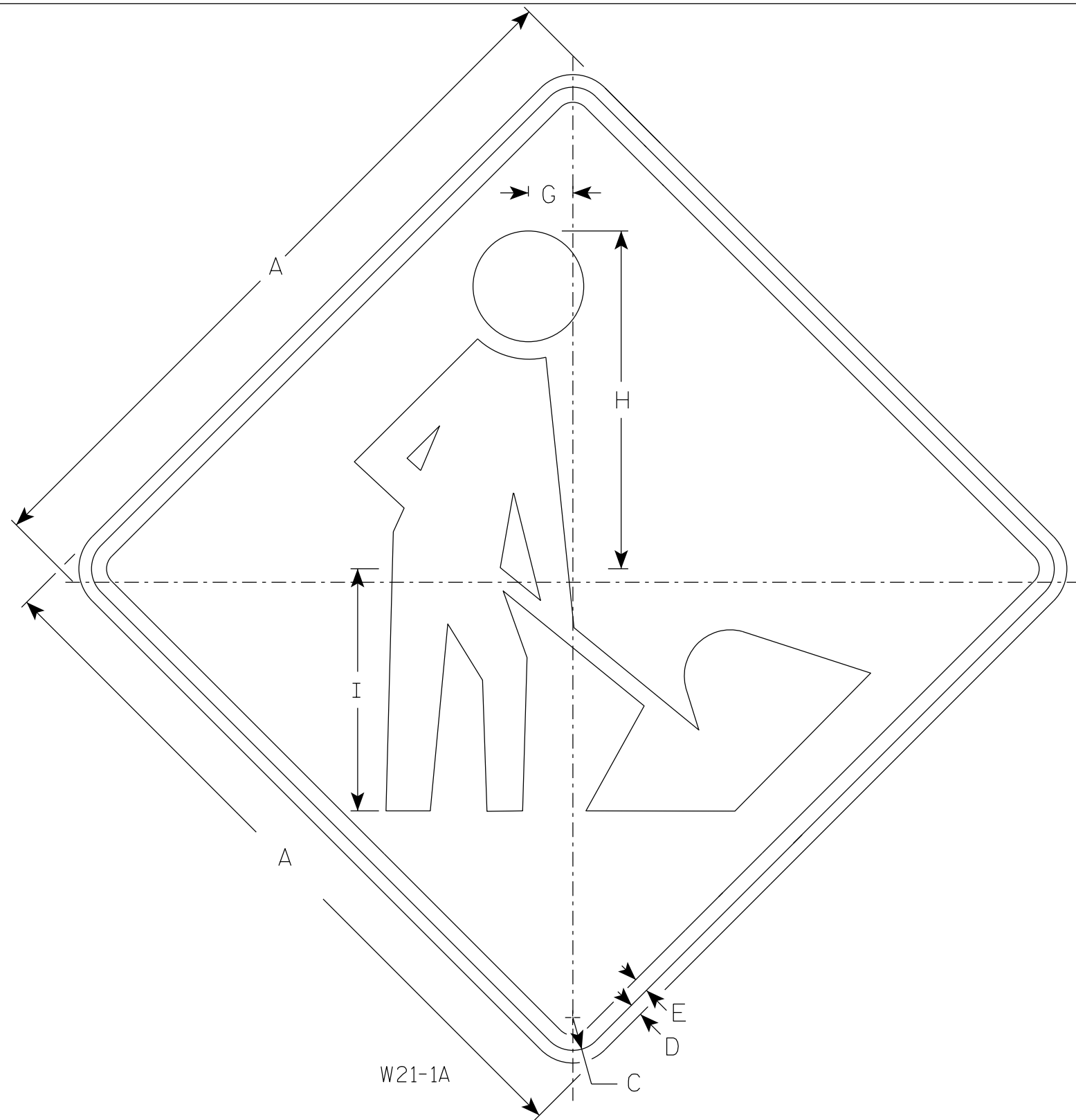
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	7	3 1/2	16 3/4	17 1/4																		9.0
2S	48		2 1/4	3/4	1	10	5	23	25																		16.0
2M	48		2 1/4	3/4	1	10	5	23	25																		16.0
3	48		2 1/4	3/4	1	10	5	23	25																		16.0
4	48		2 1/4	3/4	1	10	5	23	25																		16.0
5	48		2 1/4	3/4	1	10	5	23	25																		16.0

STANDARD SIGN
W21-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
For State Traffic Engineer

DATE 4/30/2020 PLATE NO. W21-1.8



NOTES

1. Sign is Type II - Type F Reflective
2. Color:
Background - Orange
Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

7

7

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4		2 1/4	16 7/8	12																		9.00
2S	48		2 1/4	3/4	1		3	22 3/8	16																		16.00
2M	48		2 1/4	3/4	1		3	22 3/8	16																		16.00
3	48		2 1/4	3/4	1		3	22 3/8	16																		16.00
4	48		2 1/4	3/4	1		3	22 3/8	16																		16.00
5	48		2 1/4	3/4	1		3	22 3/8	16																		16.00

STANDARD SIGN
W21-1A

WISCONSIN DEPT OF TRANSPORTATION

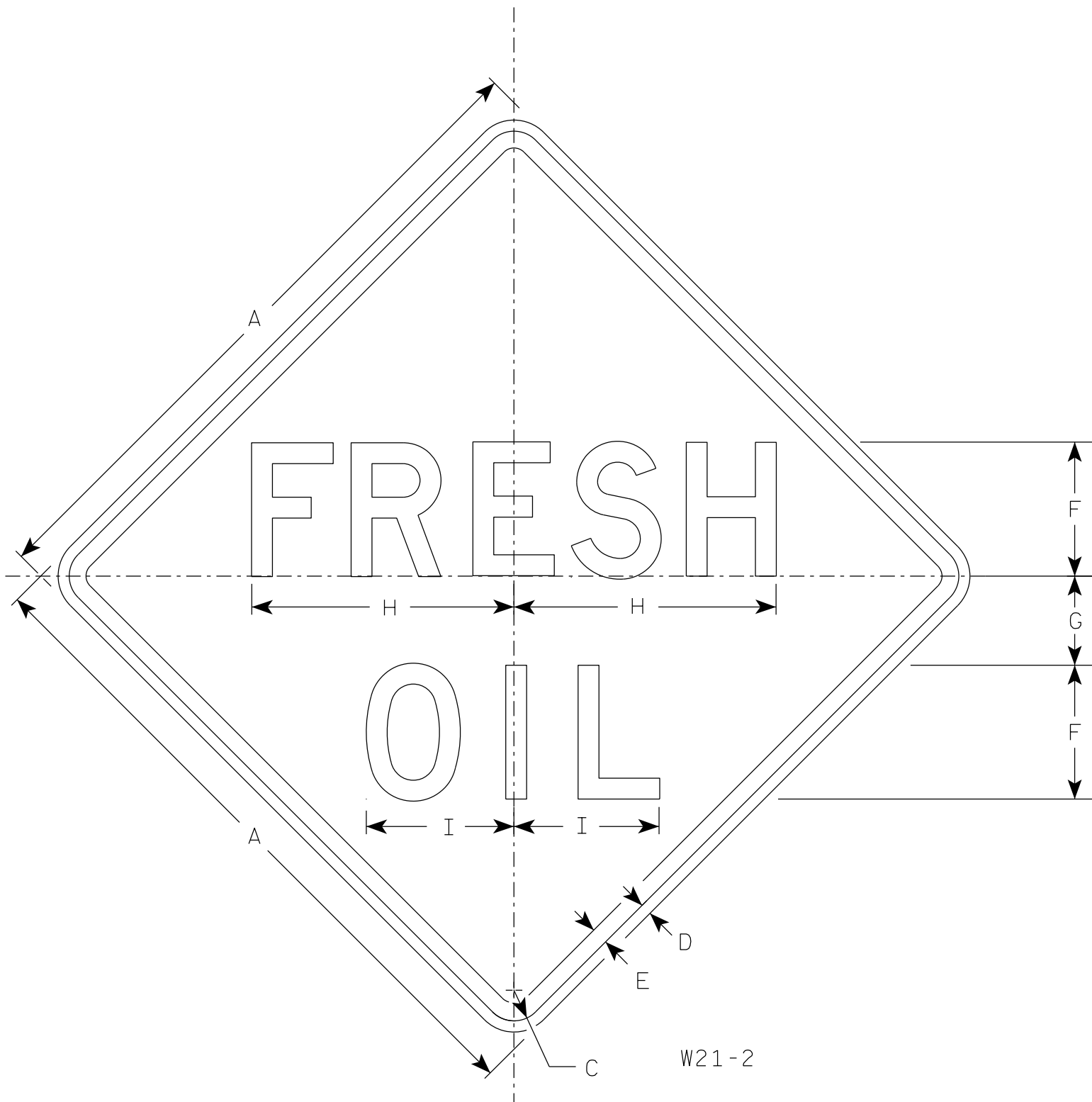
APPROVED *Matthew R Rauch*
For State Traffic Engineer

DATE 4/30/2020 PLATE NO. W21-1A.5

PROJECT NO: _____ HWY: _____ COUNTY: _____ SHEET NO: **E**

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
Background - Orange
Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	7	5	14	7 5/8																		9.0
2	48		2 1/4	3/4	1	10	6	19 3/4	11																		16.0
2	48		2 1/4	3/4	1	10	6	19 3/4	11																		16.0
3	48		2 1/4	3/4	1	10	6	19 3/4	11																		16.0
4	48		2 1/4	3/4	1	10	6	19 3/4	11																		16.0
5	48		2 1/4	3/4	1	10	6	19 3/4	11																		16.0

STANDARD SIGN
W21-2

WISCONSIN DEPT OF TRANSPORTATION

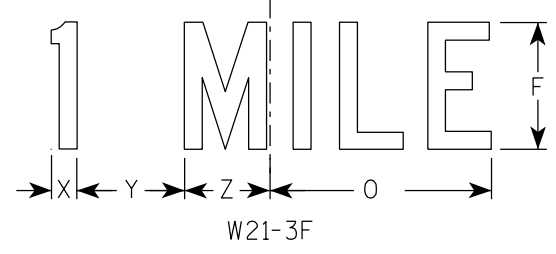
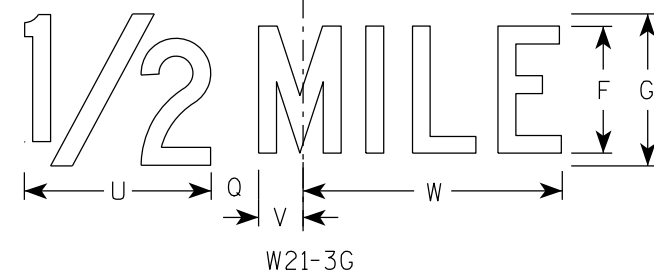
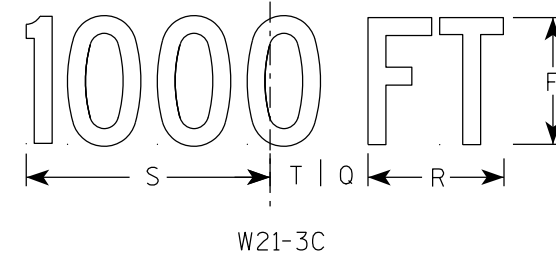
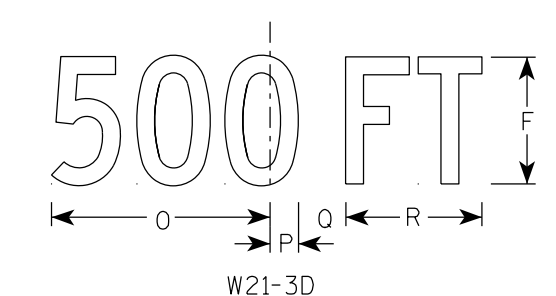
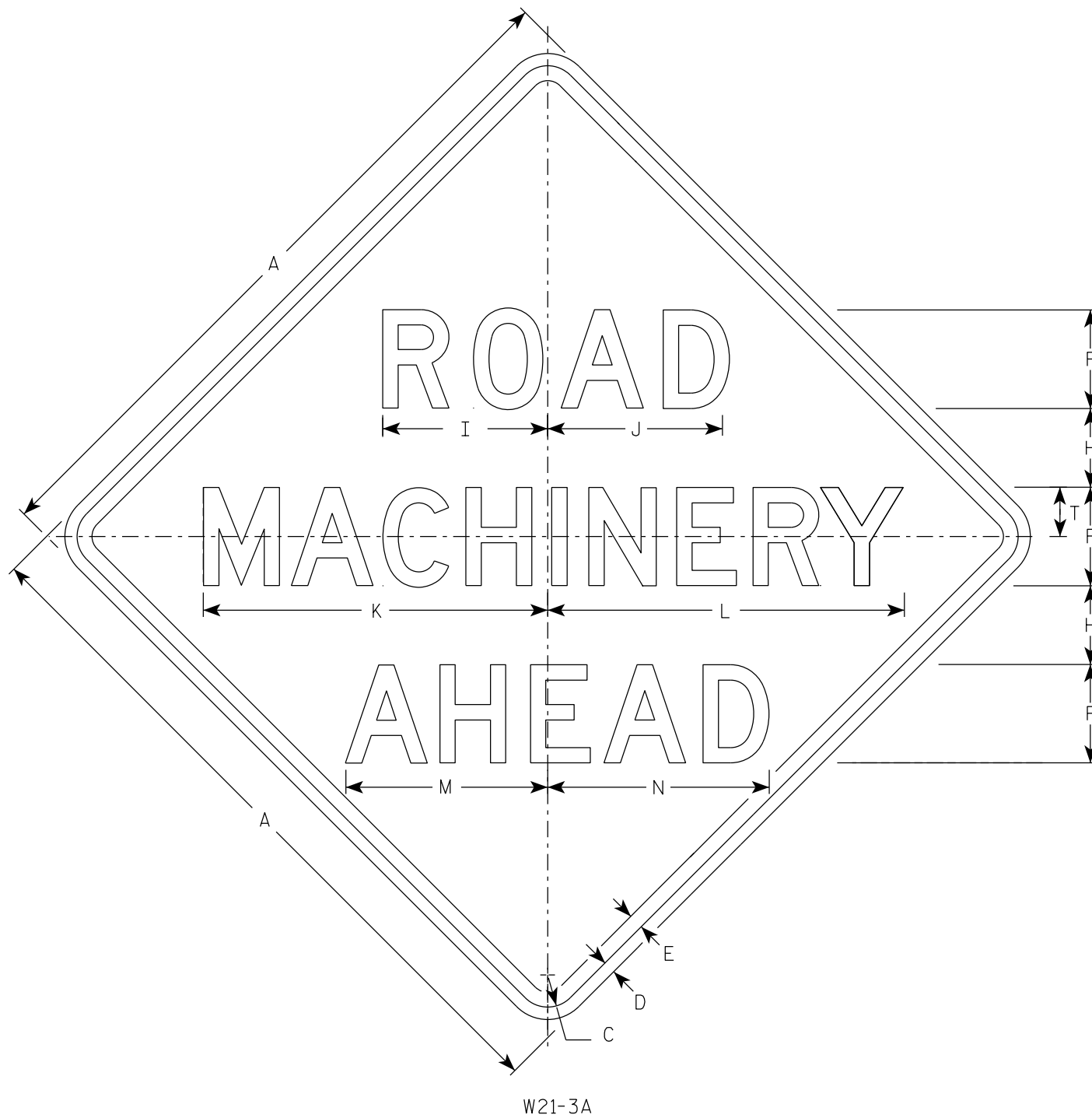
APPROVED *Matthew R. Rauch*
For State Traffic Engineer

DATE 4/30/2020 PLATE NO. W21-2.8

PROJECT NO: _____ HWY: _____ COUNTY: _____ SHEET NO: **E**

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
Background - Orange
Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Lines 1 and 2 are Series D
Line 3 is Series D for AHEAD and Series C for all other distances.



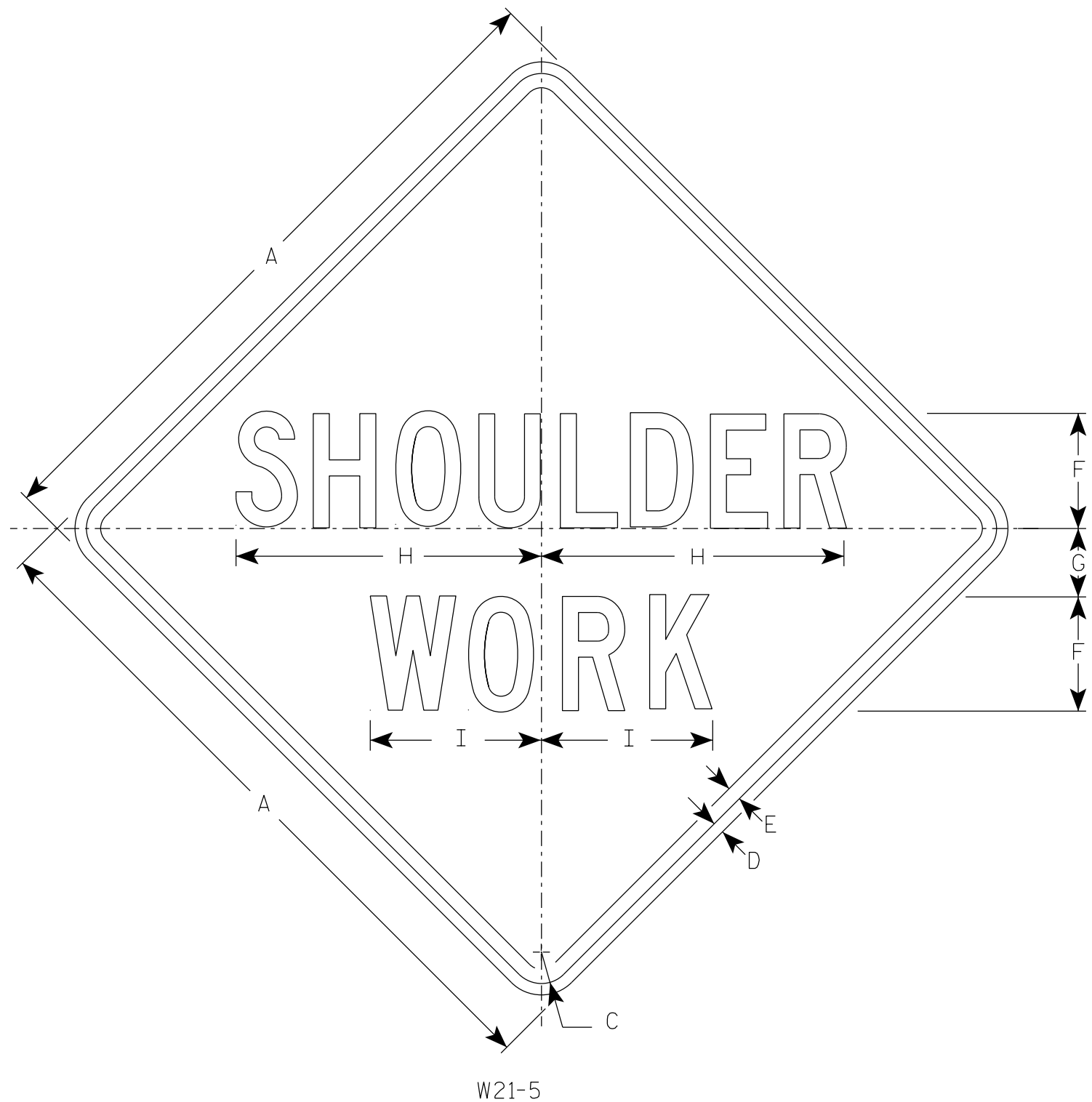
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5	6	4	8 3/8	8 7/8	17 1/2	18 1/8	10 1/4	11 1/4	9	1 3/8	1 7/8	5 5/8	10 1/8	2 1/2	8	1 3/4	10 3/4	1 1/8	4 1/2	3 1/2	9.00
2S	48		2 1/4	3/4	1	7	8	5 3/8	11 3/4	12 1/2	24 5/8	24 5/8	13 5/8	14 7/8	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	10 5/8	2 3/8	14 3/8	1 1/2	6	4 5/8	16.00
2M	48		2 1/4	3/4	1	7	8	5 3/8	11 3/4	12 1/2	24 5/8	24 5/8	13 5/8	14 7/8	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	10 5/8	2 3/8	14 3/8	1 1/2	6	4 5/8	16.00
3	48		2 1/4	3/4	1	7	8	5 3/8	11 3/4	12 1/2	24 5/8	24 5/8	13 5/8	14 7/8	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	10 5/8	2 3/8	14 3/8	1 1/2	6	4 5/8	16.00
4	48		2 1/4	3/4	1	7	8	5 3/8	11 3/4	12 1/2	24 5/8	24 5/8	13 5/8	14 7/8	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	10 5/8	2 3/8	14 3/8	1 1/2	6	4 5/8	16.00
5	48		2 1/4	3/4	1	7	8	5 3/8	11 3/4	12 1/2	24 5/8	24 5/8	13 5/8	14 7/8	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	10 5/8	2 3/8	14 3/8	1 1/2	6	4 5/8	16.00

STANDARD SIGN
W21-3A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R Rauch*
For State Traffic Engineer

DATE 4/30/2020 PLATE NO. W21-3.7



NOTES

1. Sign is Type II - Type F Reflective
2. Color:
Background - Orange
Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

7

7

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	6	3 1/2	16	9																		9.0
2S	48		2 1/4	3/4	1	8	5	21 3/8	11 1/4																		16.0
2M	48		2 1/4	3/4	1	8	5	21 3/8	11 1/4																		16.0
3	48		2 1/4	3/4	1	8	5	21 3/8	11 1/4																		16.0
4	48		2 1/4	3/4	1	8	5	21 3/8	11 1/4																		16.0
5	48		2 1/4	3/4	1	8	5	21 3/8	11 1/4																		16.0

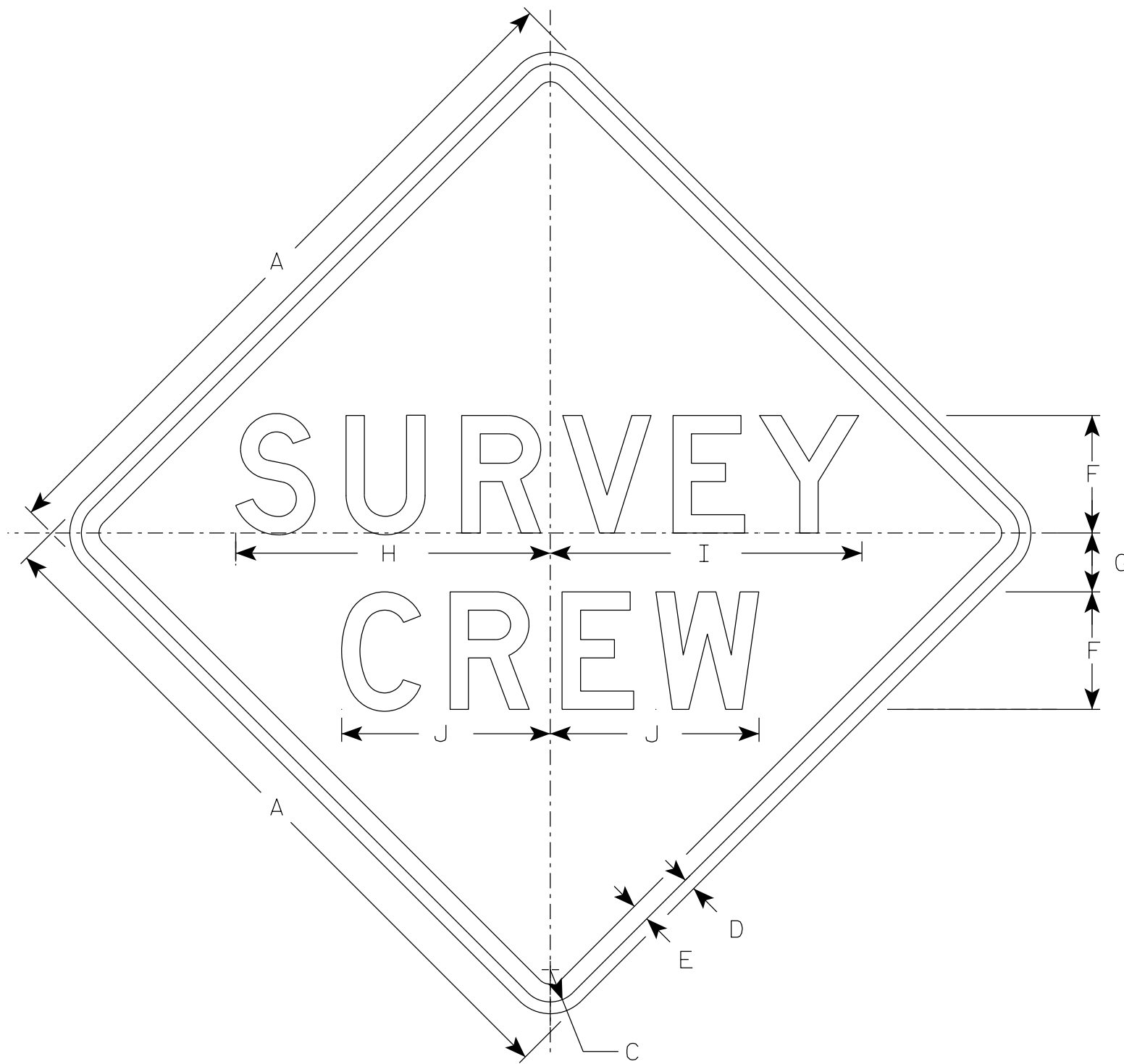
STANDARD SIGN
W21-5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R Rauch*
for State Traffic Engineer

DATE 4/30/2020 PLATE NO. W21-5.6

PROJECT NO: _____ HWY: _____ COUNTY: _____ SHEET NO: **E**



W21-6

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
Background - Orange
Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

7

7

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	6	3	16 3/4	16 5/8	11 1/8																	9.0
2S	48		2 1/4	3/4	1	8	4	21 1/4	21 1/4	14 1/4																	16.0
2M	48		2 1/4	3/4	1	8	4	21 1/4	21 1/4	14 1/4																	16.0
3	48		2 1/4	3/4	1	8	4	21 1/4	21 1/4	14 1/4																	16.0
4	48		2 1/4	3/4	1	8	4	21 1/4	21 1/4	14 1/4																	16.0
5	48		2 1/4	3/4	1	8	4	21 1/4	21 1/4	14 1/4																	16.0

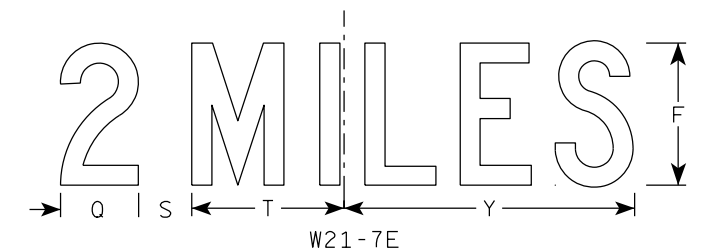
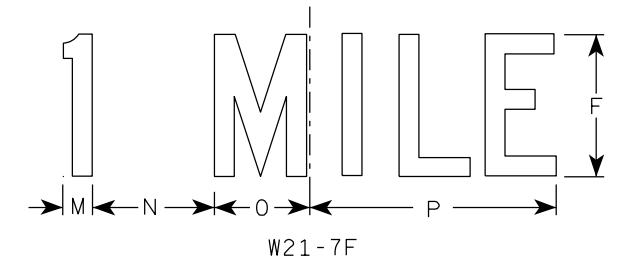
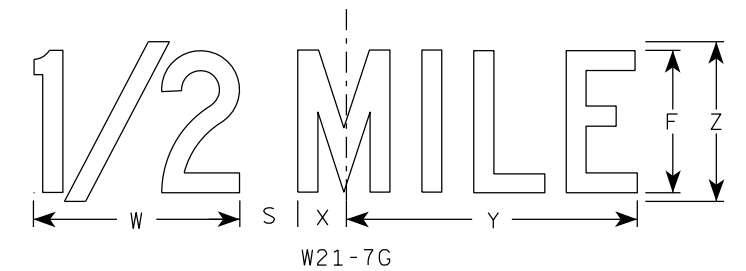
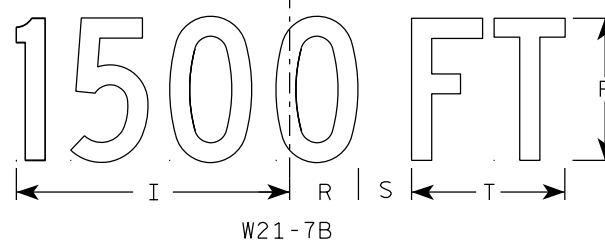
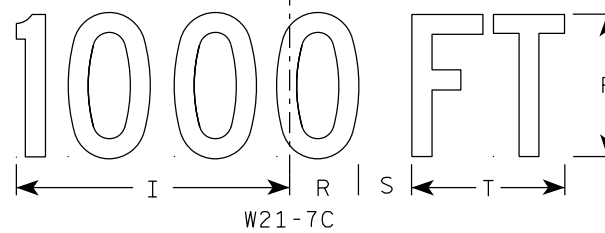
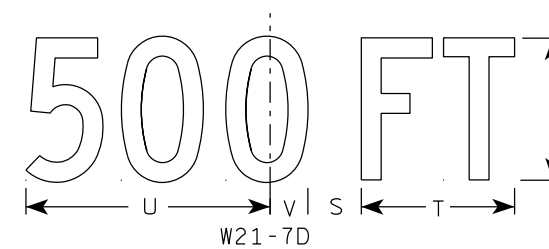
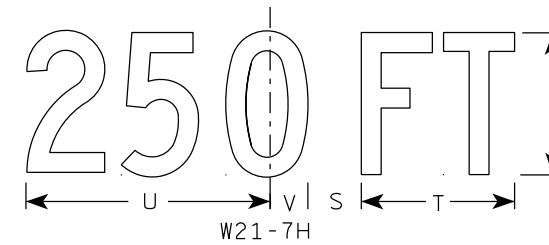
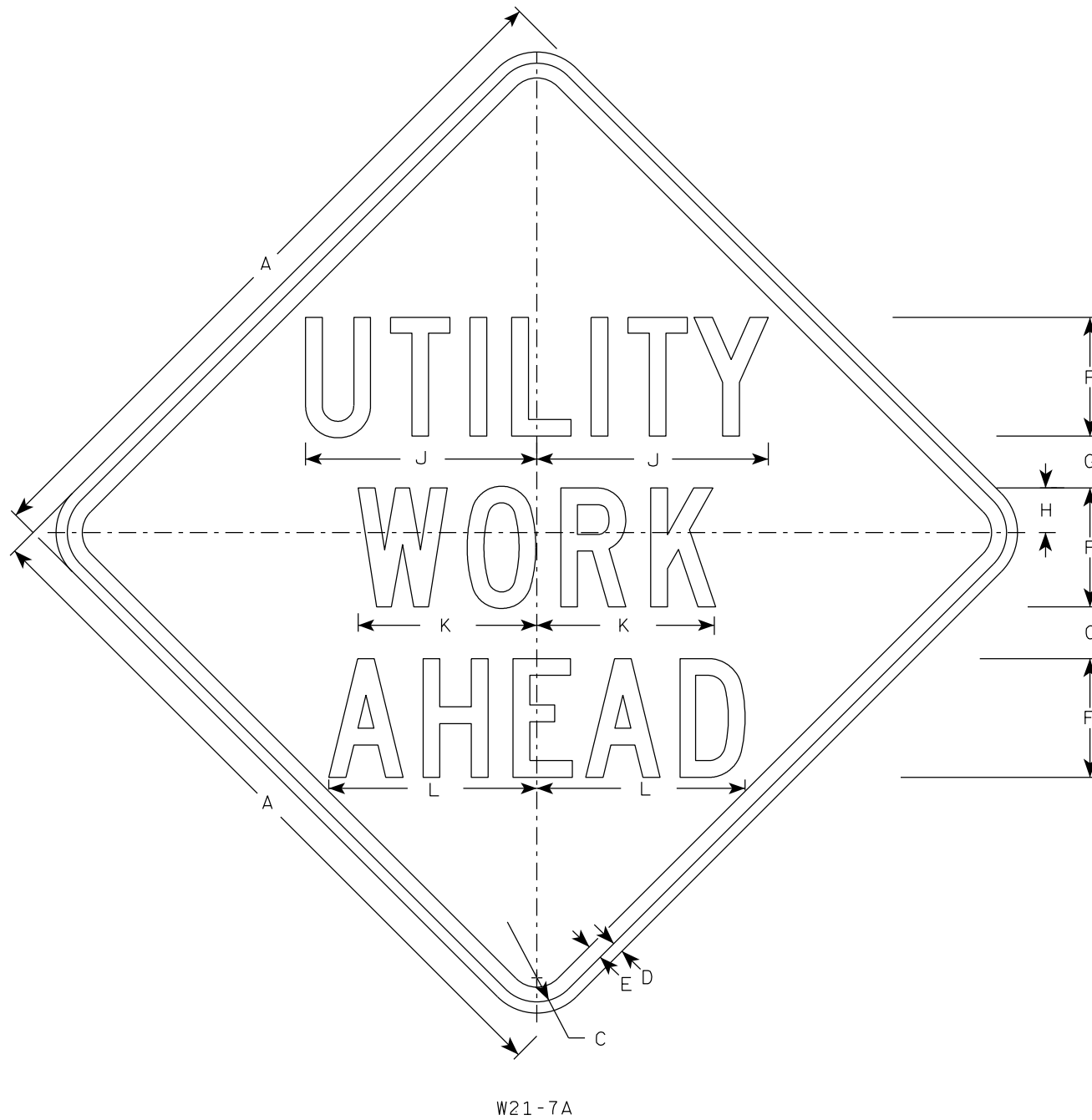
STANDARD SIGN
W21-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R Rauch*
For State Traffic Engineer
DATE 4/30/2020 PLATE NO. W21-6.8

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
Background - Orange
Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5	2 5/8	2 1/4	10 1/8	11 3/4	9	10 1/2	1 1/8	4 1/2	3 1/2	9	3 1/4	2 1/2	2 1/4	5 5/8	9	1 3/8	8	1 3/4	10 3/4	6	9.0
2S	48		2 1/4	3/4	1	8	3 1/2	3	15 3/8	15 5/8	12	14	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
2M	48		2 1/4	3/4	1	8	3 1/2	3	15 3/8	15 5/8	12	14	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
3	48		2 1/4	3/4	1	8	3 1/2	3	15 3/8	15 5/8	12	14	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
4	48		2 1/4	3/4	1	8	3 1/2	3	15 3/8	15 5/8	12	14	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
5	48		2 1/4	3/4	1	8	3 1/2	3	15 3/8	15 5/8	12	14	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0

STANDARD SIGN
W21-7A, B, C, D, E, F, G & H

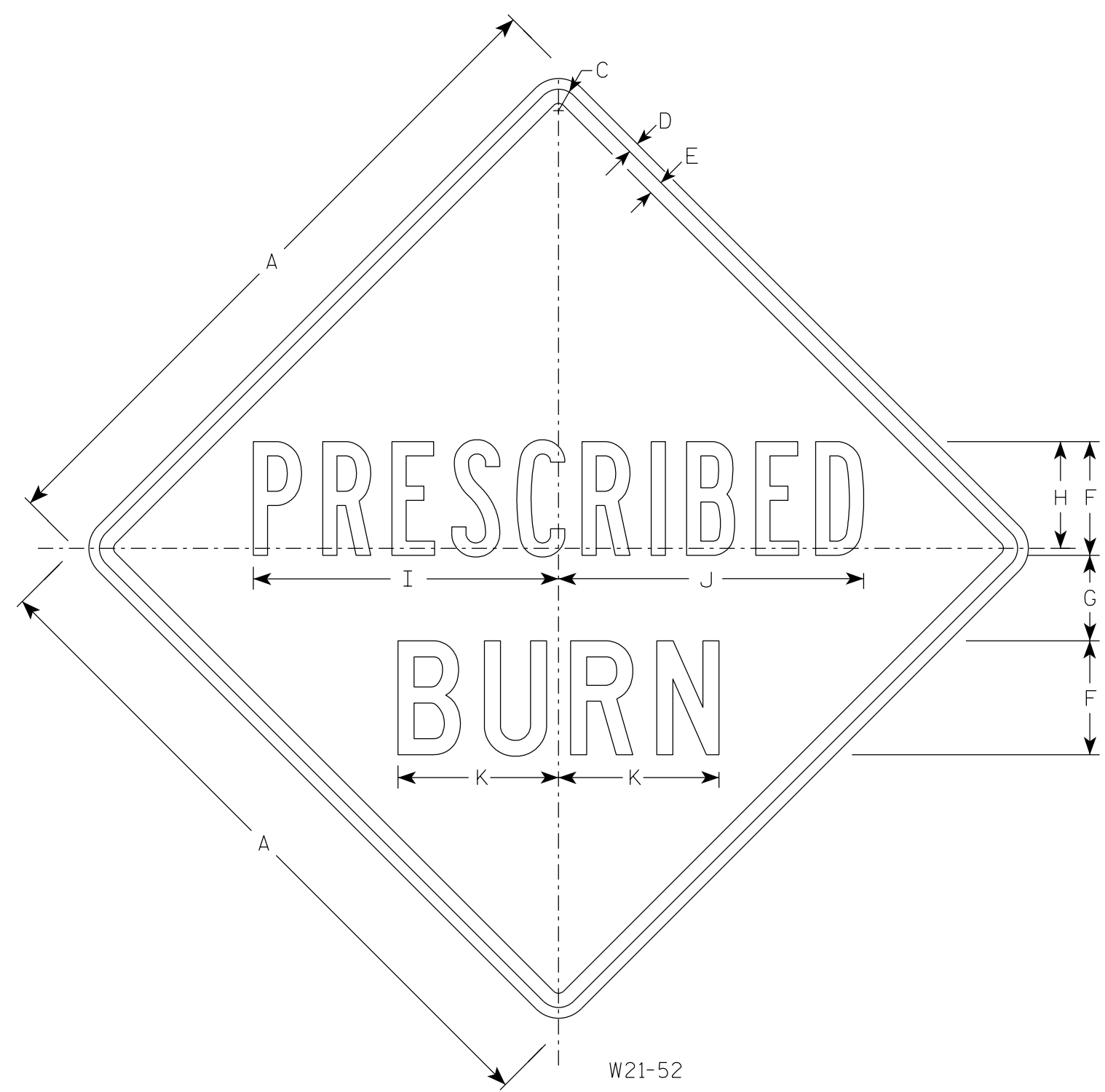
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 3/25/2020 PLATE NO. W21-7.1

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
Background - Orange
Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Line 1 - Series B
Line 2 - Series C



7

7

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	6	4	5 5/8	16 1/8	16 1/8	8 1/2																9.0
2S	48		2 1/4	3/4	1	8	6	7 1/2	21 3/8	21 1/2	11 1/4																16.0
2M	48		2 1/4	3/4	1	8	6	7 1/2	21 3/8	21 1/2	11 1/4																16.0
3	48		2 1/4	3/4	1	8	6	7 1/2	21 3/8	21 1/2	11 1/4																16.0
4	48		2 1/4	3/4	1	8	6	7 1/2	21 3/8	21 1/2	11 1/4																16.0
5	48		2 1/4	3/4	1	8	6	7 1/2	21 3/8	21 1/2	11 1/4																16.0

STANDARD SIGN
W21-52

WISCONSIN DEPT OF TRANSPORTATION

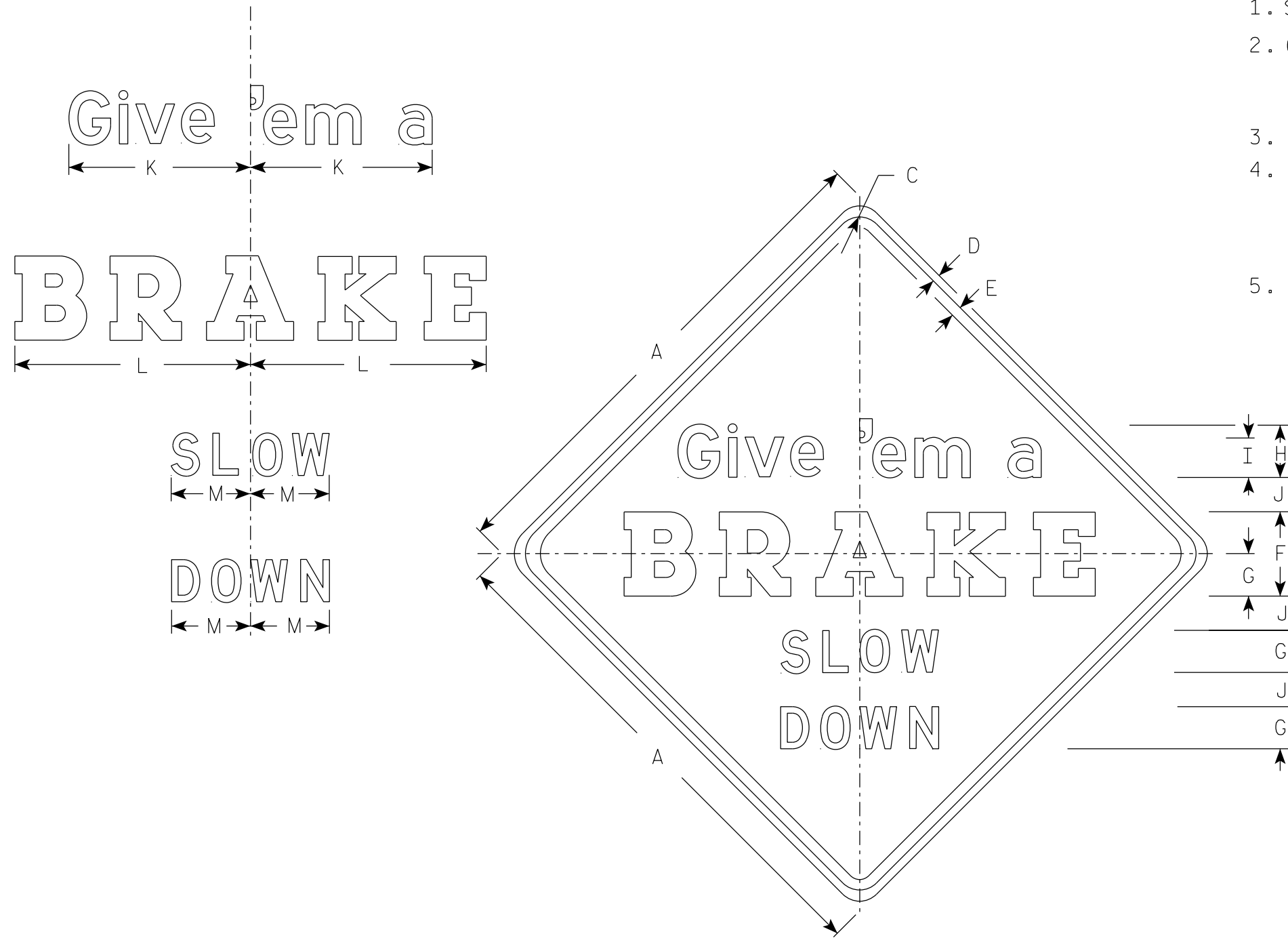
APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 3/24/2020 PLATE NO. W21-52.1

PROJECT NO: _____ HWY: _____ COUNTY: _____ SHEET NO: **E**

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
Background - Orange
Message - Black
3. Message Series - See Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Line one is Series E. Line two is a Special Graphic Series and Lines three and four are Series D.



W21-60

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	6	3	3 3/4	2 3/4	2 1/2	13	16 3/4	5 1/2														9.0
2S	48		2 1/4	3/4	1	8	4	5	3 3/4	3 1/4	17 1/4	22 3/8	7 1/2														16.0
2M	48		2 1/4	3/4	1	8	4	5	3 3/4	3 1/4	17 1/4	22 3/8	7 1/2														16.0
3	48		2 1/4	3/4	1	8	4	5	3 3/4	3 1/4	17 1/4	22 3/8	7 1/2														16.0
4	48		2 1/4	3/4	1	8	4	5	3 3/4	3 1/4	17 1/4	22 3/8	7 1/2														16.0
5	48		2 1/4	3/4	1	8	4	5	3 3/4	3 1/4	17 1/4	22 3/8	7 1/2														16.0

STANDARD SIGN
W21-60

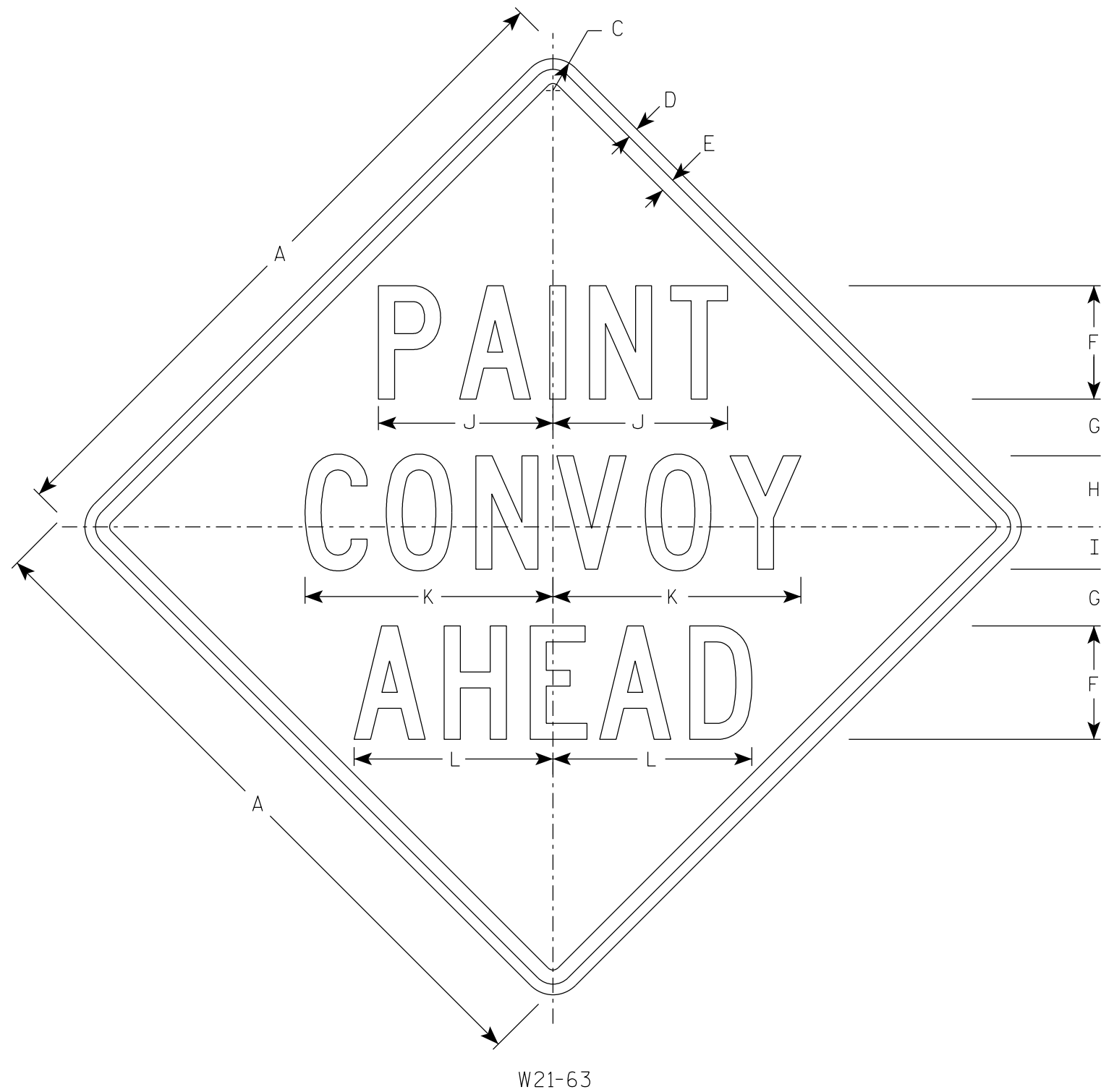
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
For State Traffic Engineer

DATE 4/30/2020 PLATE NO. W21-60.5

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
Background - Orange
Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	6	3	4	2	9 1/4	13 1/8	10 1/2															9.0
2S	48		2 1/4	3/4	1	8	4	5	3	12 1/4	17 1/2	14															16.0
2M	48		2 1/4	3/4	1	8	4	5	3	12 1/4	17 1/2	14															16.0
3	48		2 1/4	3/4	1	8	4	5	3	12 1/4	17 1/2	14															16.0
4	48		2 1/4	3/4	1	8	4	5	3	12 1/4	17 1/2	14															16.0
5	48		2 1/4	3/4	1	8	4	5	3	12 1/4	17 1/2	14															16.0

STANDARD SIGN
W21-63

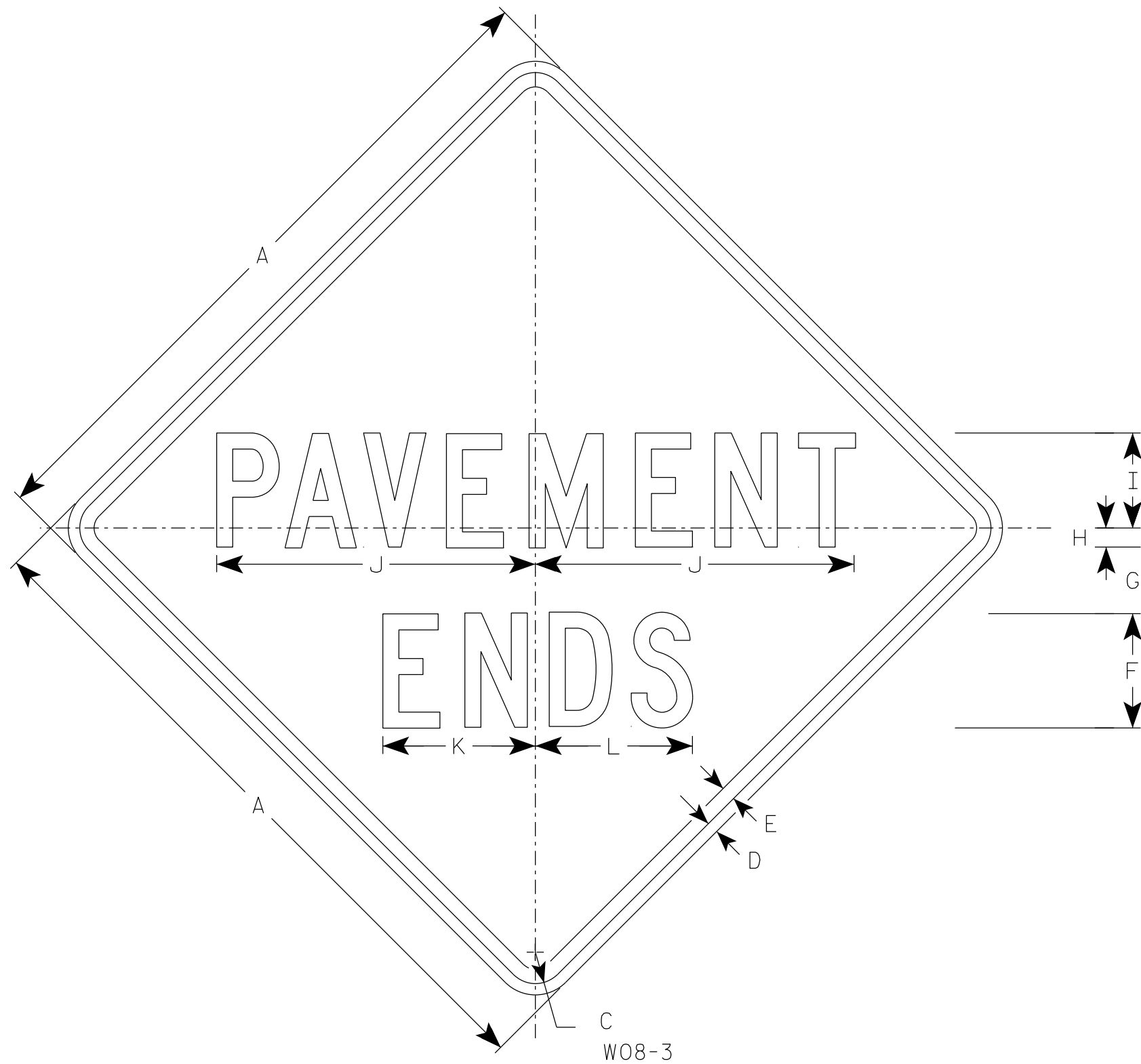
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 4/30/2020 PLATE NO. W21-63.4

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
Background - Orange
Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



7

7

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	6	3 1/2	1	5	16 3/4	8	8 1/4															9.0
2S	48		2 1/4	3/4	1	8	4 7/8	1 1/8	6 7/8	22 1/2	11	11 1/8															16.0
2M	48		2 1/4	3/4	1	8	4 7/8	1 1/8	6 7/8	22 1/2	11	11 1/8															16.0
3	48		2 1/4	3/4	1	8	4 7/8	1 1/8	6 7/8	22 1/2	11	11 1/8															16.0
4	48		2 1/4	3/4	1	8	4 7/8	1 1/8	6 7/8	22 1/2	11	11 1/8															16.0
5	48		2 1/4	3/4	1	8	4 7/8	1 1/8	6 7/8	22 1/2	11	11 1/8															16.0

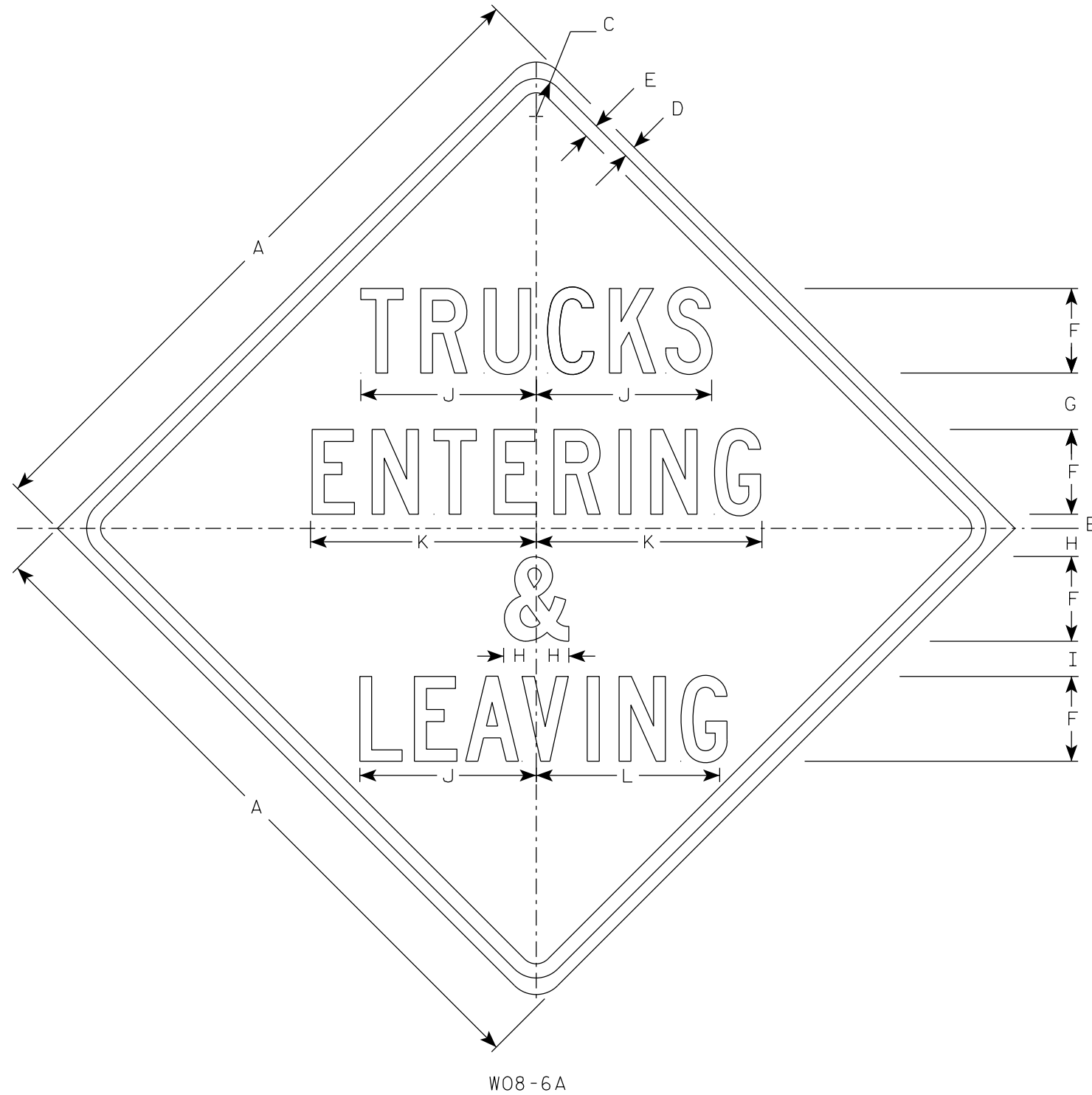
STANDARD SIGN
W08-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 4/16/2020 PLATE NO. W08-3.2

PROJECT NO: _____ HWY: _____ COUNTY: _____ SHEET NO: **E**



NOTES

1. Sign is Type II - Type F Reflective
2. Color:
Background - Orange
Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

7

7

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 3/8	1/2	5/8	4 1/2	3	1 1/2	1 7/8	9 3/8	12	9 3/4															9
2S	48		2 1/4	3/4	1	6	4	2	2 1/2	12 1/2	16	13															16
2M	48		2 1/4	3/4	1	6	4	2	2 1/2	12 1/2	16	13															16
3	48		2 1/4	3/4	1	6	4	2	2 1/2	12 1/2	16	13															16
4	48		2 1/4	3/4	1	6	4	2	2 1/2	12 1/2	16	13															16
5	48		2 1/4	3/4	1	6	4	2	2 1/2	12 1/2	16	13															16

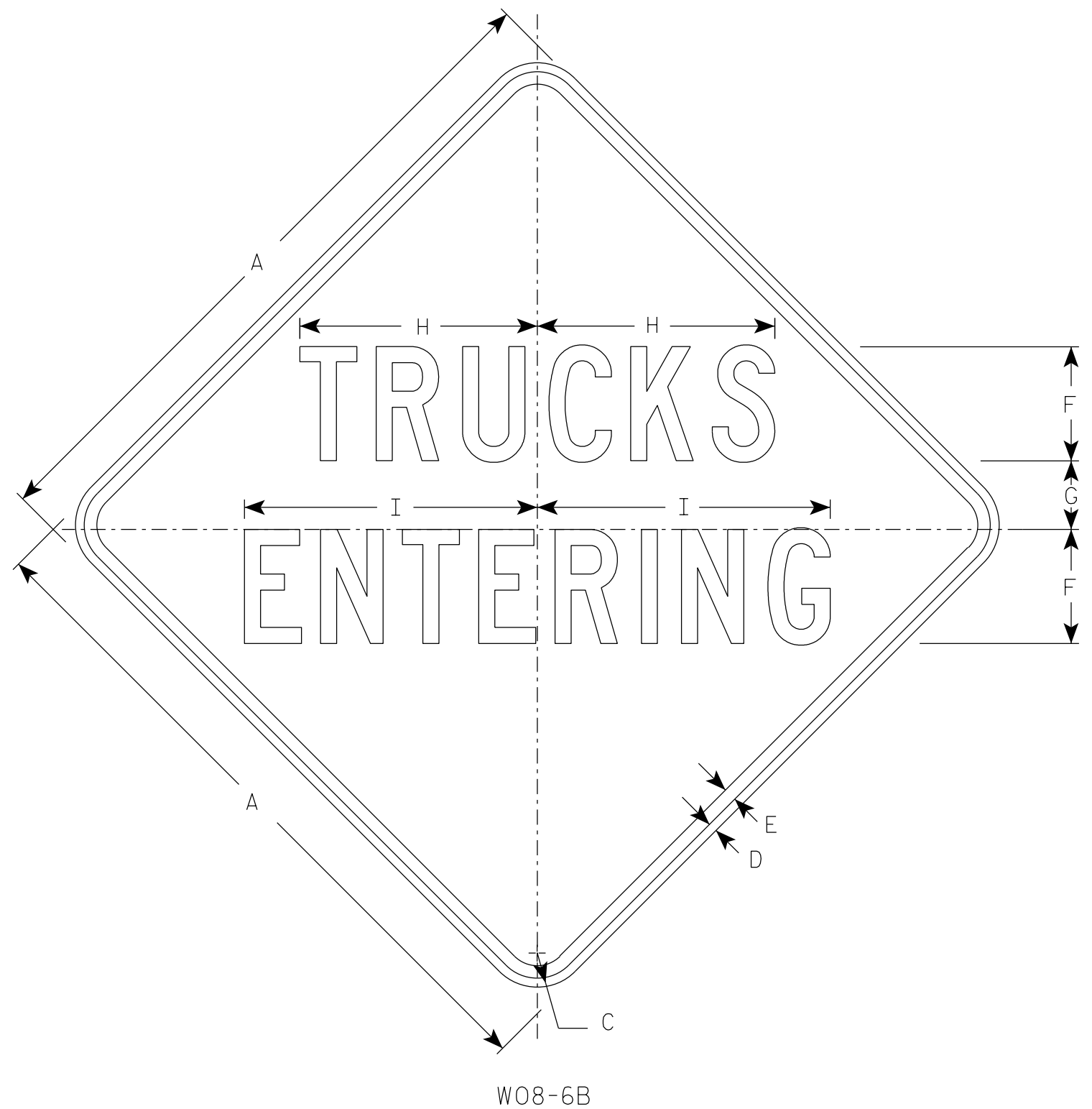
STANDARD SIGN
W08-6A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 4/15/2020 PLATE NO. W08-6A.1

PROJECT NO: _____ HWY: _____ COUNTY: _____ SHEET NO: **E**



NOTES

1. Sign is Type II - Type F Reflective
2. Color:
Background - Orange
Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

7

7

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	6	3 5/8	12 1/2	15 3/8																		9.0
2S	48		2 1/4	3/4	1	8	5	16 5/8	20 1/2																		16.0
2M	48		2 1/4	3/4	1	8	5	16 5/8	20 1/2																		16.0
3	48		2 1/4	3/4	1	8	5	16 5/8	20 1/2																		16.0
4	48		2 1/4	3/4	1	8	5	16 5/8	20 1/2																		16.0
5	48		2 1/4	3/4	1	8	5	16 5/8	20 1/2																		16.0

STANDARD SIGN
W08-6B

WISCONSIN DEPT OF TRANSPORTATION

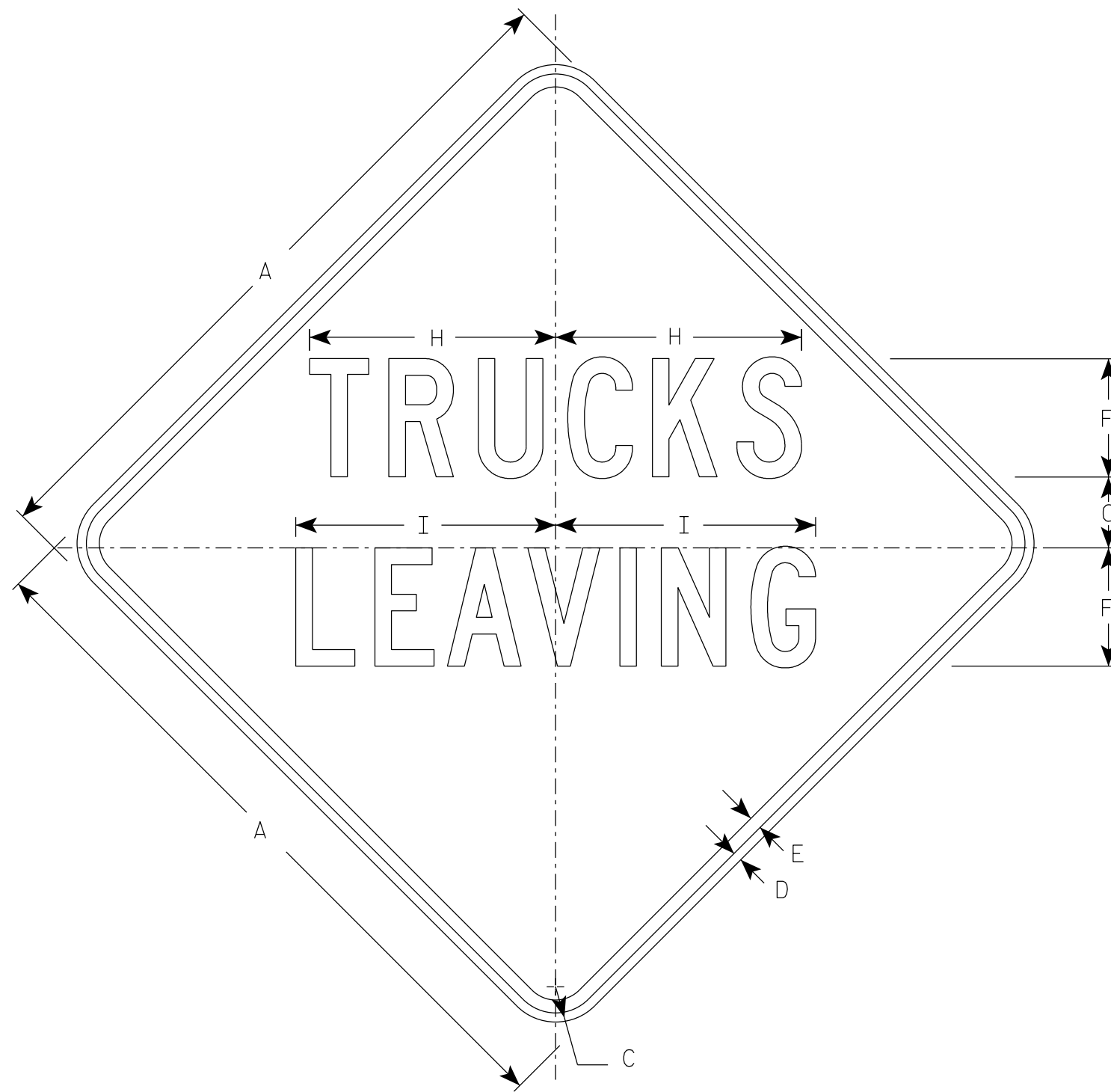
APPROVED
Matthew R. Rauch
for State Traffic Engineer

DATE 4/15/2020 PLATE NO. W08-6B.1

PROJECT NO: _____ HWY: _____ COUNTY: _____ SHEET NO: **E**

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
Background - Orange
Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



W08-6C

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	6	3 5/8	12 1/2	13 1/4																		9.0
2S	48		2 1/4	3/4	1	8	5	16 5/8	17 5/8																		16.0
2M	48		2 1/4	3/4	1	8	5	16 5/8	17 5/8																		16.0
3	48		2 1/4	3/4	1	8	5	16 5/8	17 5/8																		16.0
4	48		2 1/4	3/4	1	8	5	16 5/8	17 5/8																		16.0
5	48		2 1/4	3/4	1	8	5	16 5/8	17 5/8																		16.0

STANDARD SIGN
W08-6C

WISCONSIN DEPT OF TRANSPORTATION

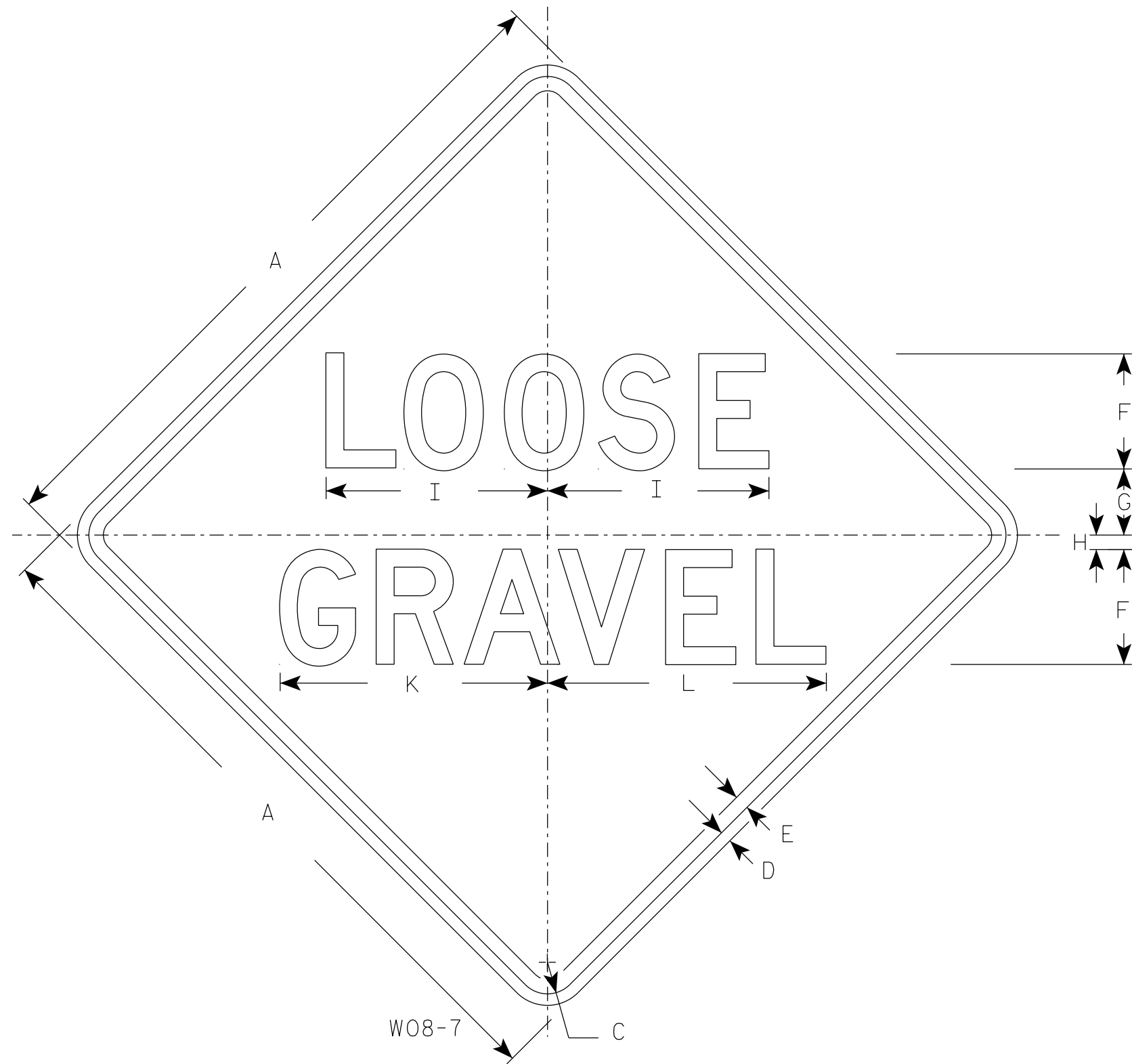
APPROVED
Matthew R. Rauch
for State Traffic Engineer

DATE 4/15/2020 PLATE NO. W08-6C.1

PROJECT NO: _____ HWY: _____ COUNTY: _____ SHEET NO: **E**

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
Background - Orange
Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	6	4 1/8	3/4	11 5/8		14	14 1/2															9.0
2S	48		2 1/4	3/4	1	8	5 1/2	1	15 1/2		18 5/8	19 3/8															16.0
2M	48		2 1/4	3/4	1	8	5 1/2	1	15 1/2		18 5/8	19 3/8															16.0
3	48		2 1/4	3/4	1	8	5 1/2	1	15 1/2		18 5/8	19 3/8															16.0
4	48		2 1/4	3/4	1	8	5 1/2	1	15 1/2		18 5/8	19 3/8															16.0
5	48		2 1/4	3/4	1	8	5 1/2	1	15 1/2		18 5/8	19 3/8															16.0

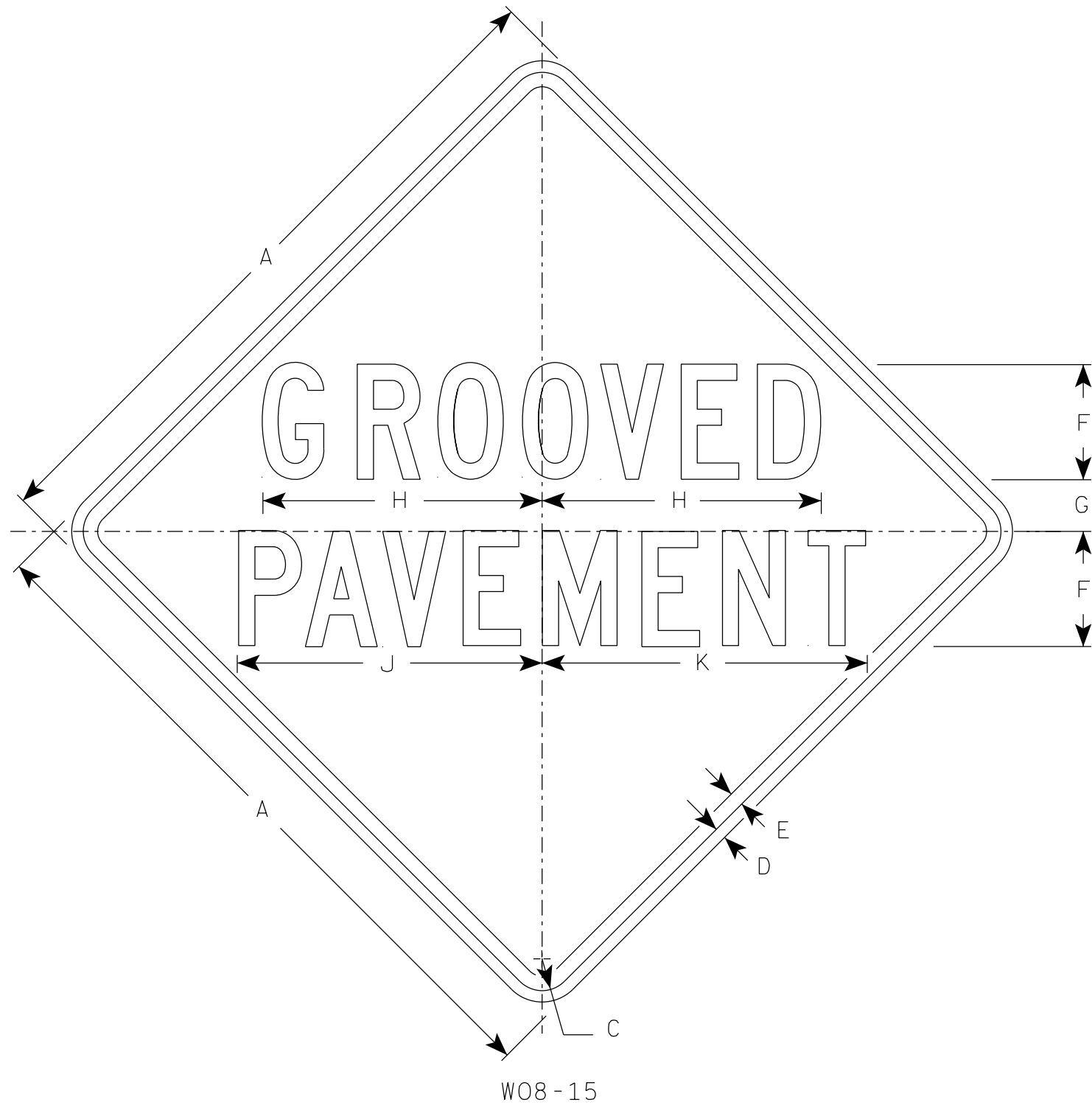
STANDARD SIGN
W08-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 4/16/2020 PLATE NO. W08-7.8

PROJECT NO: _____ HWY: _____ COUNTY: _____ SHEET NO: **E**



W08-15

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
Background - Orange
Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

7

7

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	6	2 5/8	14 1/2		15 7/8	17																9.0
2S	48		2 1/4	3/4	1	8	3 1/2	19 3/8		21 1/4	22 5/8																16.0
2M	48		2 1/4	3/4	1	8	3 1/2	19 3/8		21 1/4	22 5/8																16.0
3	48		2 1/4	3/4	1	8	3 1/2	19 3/8		21 1/4	22 5/8																16.0
4	48		2 1/4	3/4	1	8	3 1/2	19 3/8		21 1/4	22 5/8																16.0
5	48		2 1/4	3/4	1	8	3 1/2	19 3/8		21 1/4	22 5/8																16.0

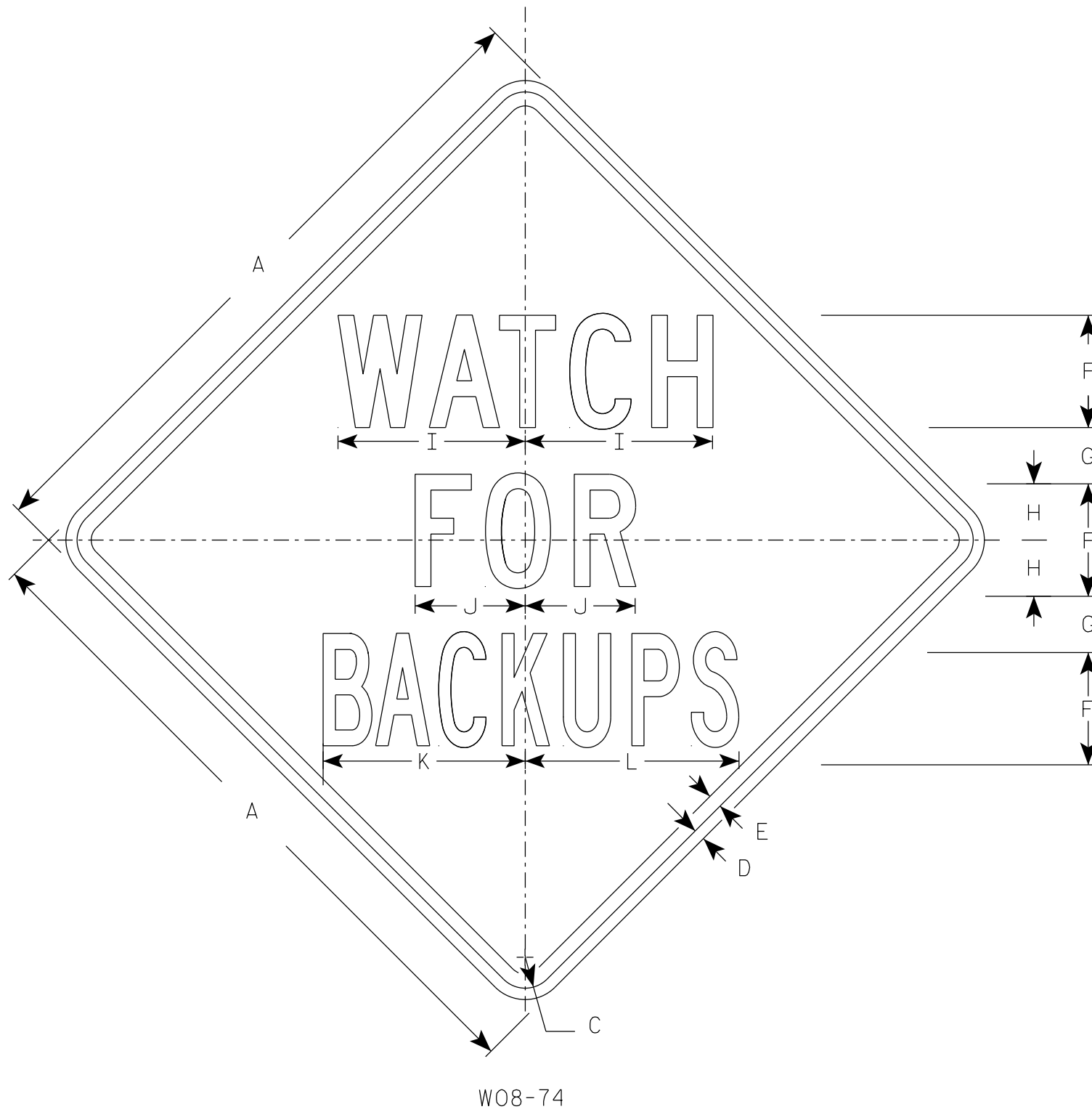
STANDARD SIGN
W08-15

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 4/16/2020 PLATE NO. W08-15.1

PROJECT NO: _____ HWY: _____ COUNTY: _____ SHEET NO: **E**



W08-74

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
Background - ORANGE
Message - BLACK
3. Message Series - C except Line 3 is Series B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

7

7

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	6	2 1/2	3	10	5 7/8	10 3/4	11 3/8															9.0
2S	48		2 1/4	3/4	1	8	4	4	13 5/8	7 7/8	14 3/8	15 1/4															16.0
2M	48		2 1/4	3/4	1	8	4	4	13 5/8	7 7/8	14 3/8	15 1/4															16.0
3	48		2 1/4	3/4	1	8	4	4	13 5/8	7 7/8	14 3/8	15 1/4															16.0
4	48		2 1/4	3/4	1	8	4	4	13 5/8	7 7/8	14 3/8	15 1/4															16.0
5	48		2 1/4	3/4	1	8	4	4	13 5/8	7 7/8	14 3/8	15 1/4															16.0

STANDARD SIGN
W08-74

WISCONSIN DEPT OF TRANSPORTATION

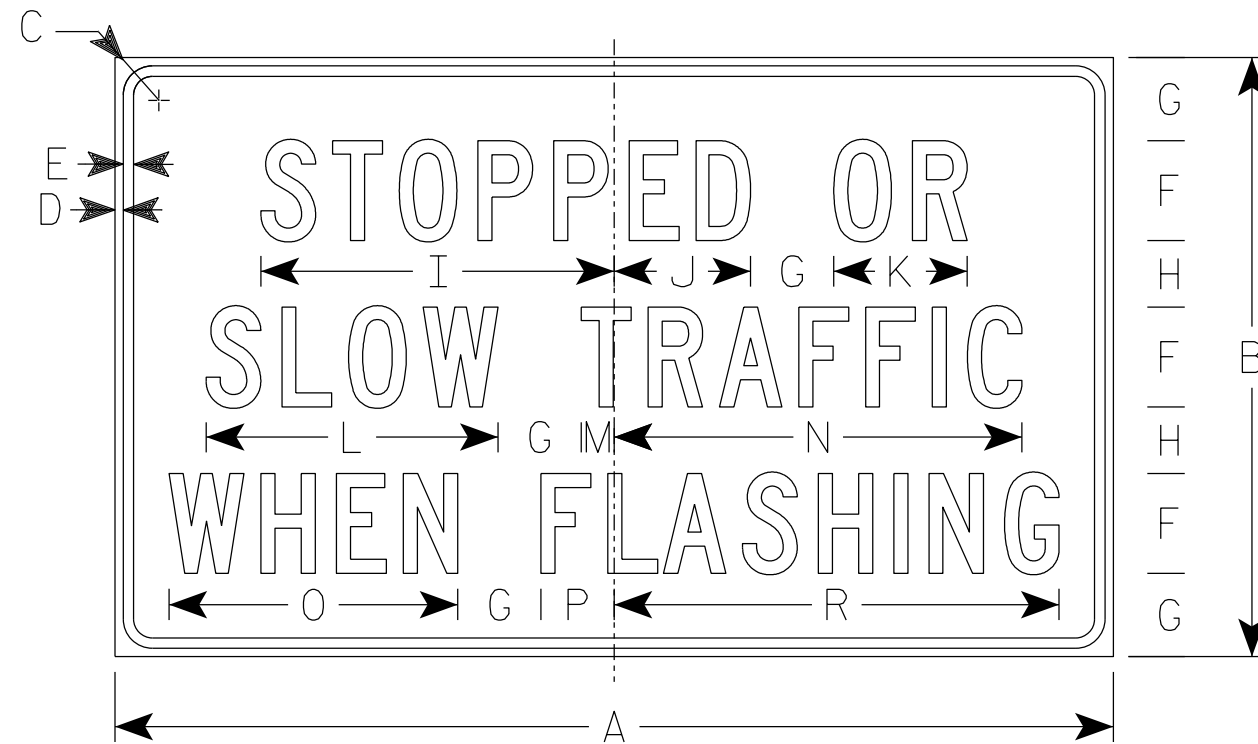
APPROVED *Matthew R. Rauch*
For State Traffic Engineer

DATE 4/16/2020 PLATE NO. W08-74.1

PROJECT NO: _____ HWY: _____ COUNTY: _____ SHEET NO: **E**

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
Background - Orange
Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



W08-76

7

7

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2																											
3																											
4	60	36	2 1/4	1/2	5/8	6	5	4	21 1/4	8 1/4	8	17 1/2	2	24 1/2	17 3/8	4 3/8		26 3/4									15.0
5																											

STANDARD SIGN
W08-76

WISCONSIN DEPT OF TRANSPORTATION

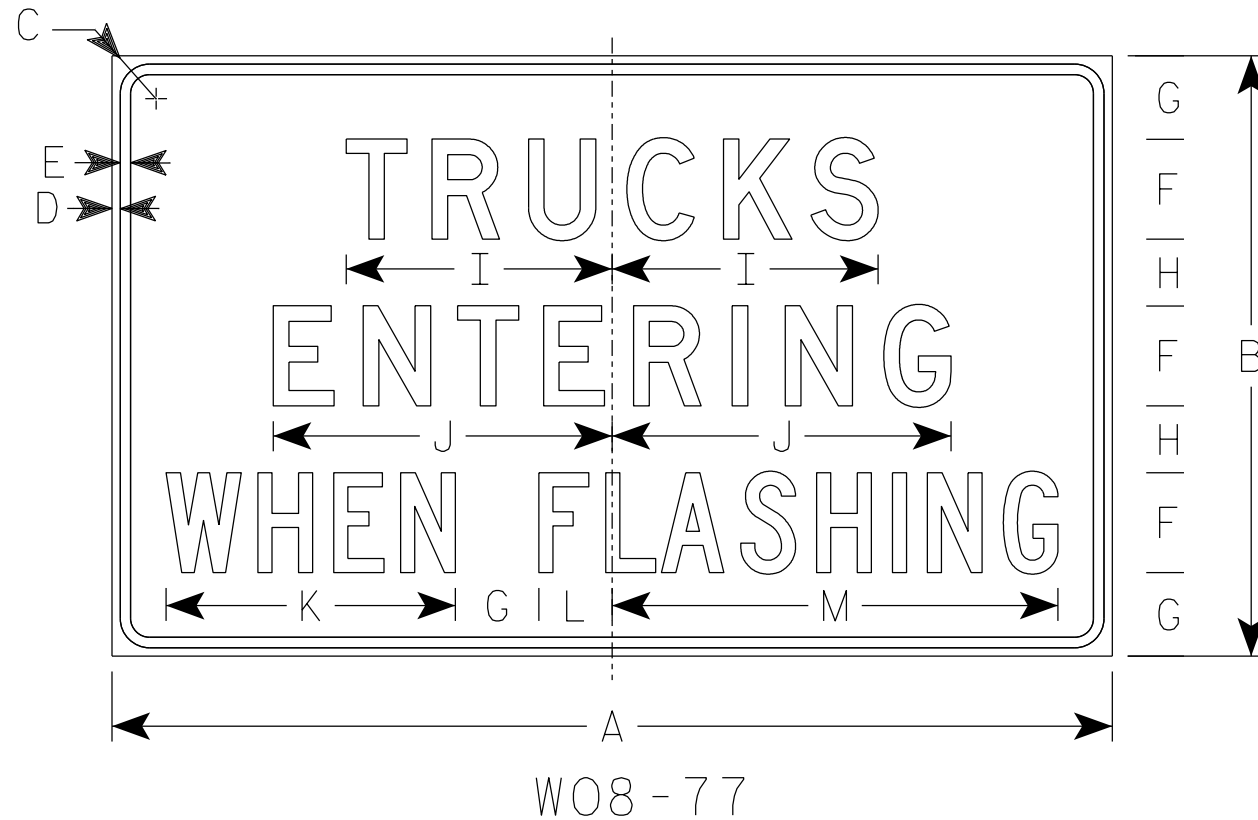
APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 5/14/2020 PLATE NO. W08-76.1

PROJECT NO: HWY: COUNTY: SHEET NO: **E**

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
Background - Orange
Message - Black
3. Message Series - D except Line 3 Series C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



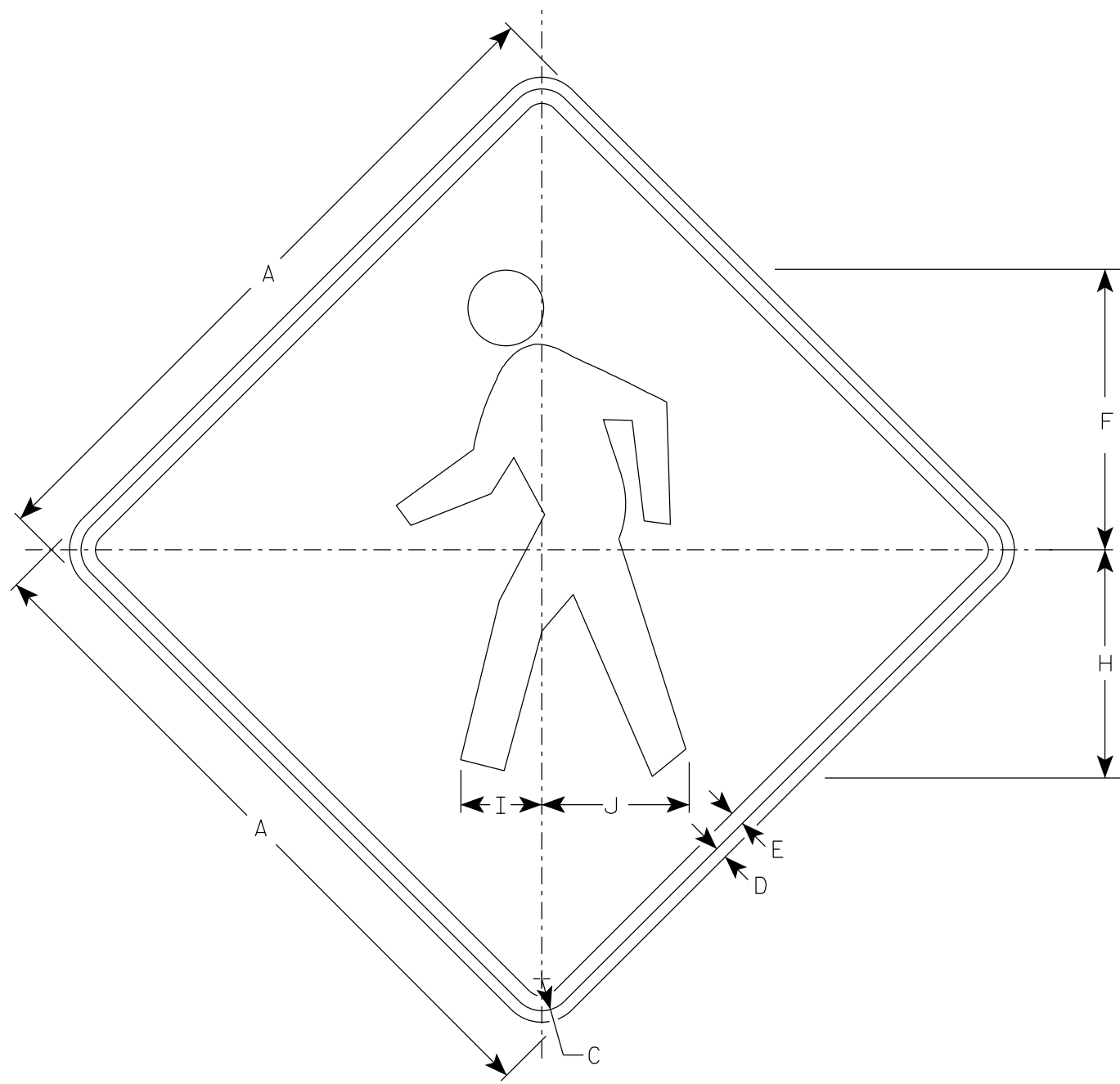
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2																											
3																											
4	60	36	2 1/4	1/2	5/8	6	5	4	16	20 3/8	17 3/8	4 3/8	26 3/4														15.0
5																											

STANDARD SIGN
W08-77

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 5/14/2020 PLATE NO. W08-77.1



W011-2

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
Background - Orange
Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

7

7

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	14 1/2		11 7/8	4 1/4	7 5/8																	9.0
2S	48		2 1/4	3/4	1	19 3/8		15 3/4	5 5/8	10 1/4																	16.0
2M	48		2 1/4	3/4	1	19 3/8		15 3/4	5 5/8	10 1/4																	16.0
3	48		2 1/4	3/4	1	19 3/8		15 3/4	5 5/8	10 1/4																	16.0
4	48		2 1/4	3/4	1	19 3/8		15 3/4	5 5/8	10 1/4																	16.0
5																											

STANDARD SIGN
W011-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 4/8/2020 PLATE NO. W011-2.1