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STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
FORSYTH COUNTY

LOCATION: WINSTON-SALEM NORTHERN BELTWAY EASTERN SECTION
(FUTURE I-74) FROM US 311 TO I-40

CONTRACT: T.I.P.: U-2579AA

CONTRACT: T.I.P.: U-2579AA



INDEX

SHEET NO.	DESCRIPTION
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SIGN-5-5PP	SIGN DESIGNS
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PROJECT REFERENCE NO. U-2579AA	SHEET NO. SIGN-1
SEAL	
7/12/2022	
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HDR Engineering, Inc. of the Carolinas 555 Fayetteville St, Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116	

PLAN PREPARED BY:

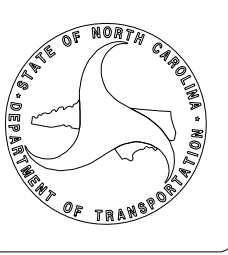
RON KING, PE PROJECT ENGINEER

RICHARD DRAYTON PROJECT DESIGN ENGINEER

PLAN SUBMITTED TO:

KELVIN JORDAN REGIONAL ENGINEER

ASHLEY MATTHEWS, PE DESIGN ENGINEER III



PROJECT REFERENCE NO.	SHEET NO.
U-2579AA	SIGN-1A
	
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ROADWAY STANDARD DRAWING

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" - PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2018 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
901.10	TYPE 'A' SIGNS (SHEET 2 OF 2)
901.50	ARROWS AND SHIELDS
901.60	RIVET SPACING FOR OVERLAYED SIGNS
901.70	SIGN STRINGERS AND SUPPORT SPACING
901.80	SIGN MOUNTING DETAILS - FOR TYPE A AND TYPE B SIGNS
903.10	GROUND MOUNTED SIGN SUPPORTS (SHEETS 1 & 3 OF 3)
903.20	WOOD SIGN SUPPORTS
903.40	MEDIAN BARRIER SIGN SUPPORT AND ANCHORAGE
904.10	ORIENTATION OF GROUND MOUNTED SIGNS
904.20	SECONDARY SIGN MOUNTING
904.30	SUPPLEMENTAL SIGN MOUNTING
904.40	MILEPOST AND PLACEMENT
904.50	MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS (SHEET 2 OF 2)

SUMMARY OF QUANTITIES

ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4048000000	902	REINFORCED CONCRETE SIGN FOUNDATION	24	C.Y.
4054000000	902	PLAIN CONCRETE SIGN FOUNDATION	7	C.Y.
4057000000	SP	OVERHEAD FOOTING	247	C.Y.
4060000000	903	SUPPORTS, BREAKAWAY STEEL BEAM	19264	LB.
4066000000	903	SUPPORTS, SIMPLE STEEL BEAM	11317	LB.
4072000000	903	SUPPORTS, 3 LB STEEL U-CHANNEL	3565	L.F.
4078000000	903	SUPPORTS, 2 LB STEEL U-CHANNEL	142	EA.
4082000000	903	SUPPORTS, WOOD	247	L.F.
4082100000	906	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA -118+00-40E-	1	LS
4082100000	906	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA -71+22-40E-	1	LS
4082100000	906	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA -40+00-40E-	1	LS
4082100000	906	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA 31+97-Y2SBL-	1	LS
4082100000	906	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA 58+00-Y2SBL-	1	LS
4082100000	906	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA 43+96-Y2NBL-	1	LS
4082100000	906	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA 82+11-Y2SBL-	1	LS
4082100000	906	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA 70+74-Y2NBL-	1	LS
4082100000	906	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA 69+20-Y2SBL-	1	LS
4082100000	906	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA 55+69 -L-	1	LS
4082100000	906	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA -351+06-52S-	1	LS
4082100000	906	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA 82+00-L-	1	LS
4082100000	906	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA 86+60-L-	1	LS
4082100000	906	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA 128+35-L-	1	LS
4082100000	906	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA 16+09-L-	1	LS
4082100000	906	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA 25+15-Y1-	1	LS
4096000000	904	SIGN ERECTION, TYPE D	16	EA.
4102000000	904	SIGN ERECTION, TYPE E	63	EA.
4108000000	904	SIGN ERECTION, TYPE F	53	EA.
4109000000	904	SIGN ERECTION, TYPE A (OVERHEAD)	71	EA.
4109000000	904	SIGN ERECTION, TYPE B (OVERHEAD)	24	EA.
4110000000	904	SIGN ERECTION, TYPE A (GROUND MOUNTED)	58	EA.
4110000000	904	SIGN ERECTION, TYPE B (GROUND MOUNTED)	26	EA.
4114000000	904	SIGN ERECTION, MILEMARKERS	140	EA.
4115000000	904	SIGN ERECTION, OVERLAY (OVERHEAD)	8	EA.
4116000000	904	SIGN ERECTION, OVERLAY (GROUND MOUNTED)	43	EA.
4149000000	907	DISPOSAL OF SIGN SYSTEM, OVERHEAD	3	EA.
4152000000	907	DISPOSAL OF SIGN SYSTEM, STEEL BEAM	31	EA.
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	153	EA.
4234000000	907	DISPOSAL OF SIGN, A OR B (OVERHEAD)	41	EA.
4236000000	907	DISPOSAL OF SIGN, A OR B (GROUND MOUNTED)	21	EA.

GENERAL NOTES

- . SIGNS FURNISHED BY STATE
- . CONFIRM IN WRITING AT LEAST 4 MONTHS IN ADVANCE, THE ACTUAL DATE THE DEPARTMENT FURNISHED SIGNS WILL BE REQUIRED.
- . ALL TYPE 'D' SIGNS SHALL BE MOUNTED ON TWO U-CHANNEL POSTS UNLESS OTHERWISE INDICATED ON THE PLANS.
- . IF REMOVAL OR RELOCATION OF SIGNS ON PRIVATE STREET (NON-STATE MAINTAINED) IS REQUIRED DUE TO CONSTRUCTION, THE CONTRACTOR SHALL INFORM THE ENGINEER. THE WORK WILL BE COMPLETED BY OTHERS.
- . WHEN NOT STATIONED OR DIMENSIONED ON PLANS, ALL 'E' AND 'F' SIGNS SHALL BE FIELD LOCATED BY THE ENGINEER
- . WHEN EXISTING SIGNS ARE REMOVED AND INSTALLED ON NEW SUPPORTS, THE RE-ERECTION SHALL IMMEDIATELY FOLLOW THE REMOVAL.
- . THE BACKGROUND FOR TYPE E & F SIGNS SHALL BE TYPE C REFLECTIVE SHEETING.
- . DO NOT BEGIN FABRICATION FOR TYPES A & B SIGNS MOUNTED ON OVERHEAD STRUCTURES OR STEEL SUPPORTS UNTIL "S" DIMENSIONS HAVE BEEN FIELD VERIFIED.
- . SEE ROADWAY PLANS FOR GUARD/GUIDE RAIL DETAILS.

PROJECT NOTES

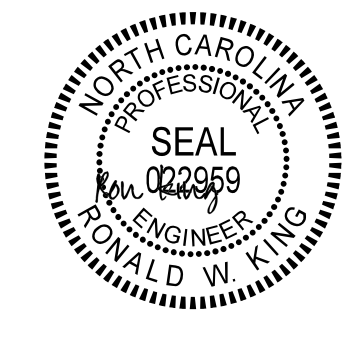
NOTES:

1. DISPOSAL OF SIGN SYSTEM, U-CHANNEL
2. DISPOSAL OF SIGN SYSTEM, STEEL BEAM
3. DISPOSAL OF SIGN SYSTEM, OVERHEAD
4. DISPOSAL OF SIGN, A OR B (OVERHEAD)
5. DISPOSAL OF SIGN, A OR B (GROUND MOUNTED)
6. SIGN ERECTION, TYPE B (OVERHEAD)
7. SIGN ERECTION, TYPE A (GROUND MOUNTED)
8. SIGN ERECTION, TYPE B (GROUND MOUNTED)
9. SIGN ERECTION, OVERLAY (GROUND MOUNTED)
10. SIGN ERECTION, TYPE A (OVERHEAD)

NOTES

Version: 3.1 Posted: 6/2/2017

NUMBER	TYPE	SIGN			ROADWAY STATION	NUMBER OF SUPPORTS	BEAM SECTION	SUPPORT TYPE BA or S	OMNI COUPLER	ATTACHMENT METHOD	MOUNTING METHOD	HORIZONTAL CLEARANCE* (ft.)	SUPPORT SPACING	LENGTH (ft)			LEFT SUPPORT (ft)			CENTER SUPPORT (ft)			RIGHT SUPPORT (ft)			SUPPORT WEIGHTS		FOOTINGS				FIELD VERIFIED SEE NOTE 2 (mm/dd/yy)
		w	x	h										SNS HT "H"	MTG HT "C"	EMBED-MENT	S	L	LENGTH	S	L	LENGTH	S	L	LENGTH	B/A (lbs.)	SIMPLE (lbs.)	DIAMETER (ft.)	DEPTH (ft.)	REINFORCED (c.y.)	PLAIN (c.y.)	
101	A	150	x	48	SEE SIGN-10	2	W6x9	S	N/A	N/A	N/A	20.00	7.33	4.00	7.00	3.0	3.19	14.19	17.19	0.00	0.00	0.00	5.62	16.62	19.62	0.00	331.29	1.5	3.5	0.46	0.00	
102A	B	114	x	30	SEE SIGN-11	2	W6x12	S	N/A	N/A	N/A	20.00	9.96	6.00	7.00	4.0	0.98	13.98	17.98	0.00	0.00	0.00	0.48	13.48	17.48	0.00	425.52	1.5	4.5	0.59	0.00	
103A	B	132	x	30	SEE SIGN-12	3	W6x16	S	N/A	N/A	N/A	20.00	7.10	10.00	7.00	4.5	1.31	18.31	22.81	2.39	19.39	23.89	3.48	20.48	24.98	0.00	1146.88	1.5	5	0.98	0.00	
103B	A	240	x	120	SEE SIGN-12	3	W6x16	S	N/A	N/A	N/A	20.00	7.10	10.00	7.00	4.5	1.31	18.31	22.81	2.39	19.39	23.89	3.48	20.48	24.98	0.00	1146.88	1.5	5	0.98	0.00	
104A	B	132	x	30	SEE SIGN-12	2	W10x22	S	N/A	1-R	N/A	20.00	8.20	12.50	7.00	4.5	1.94	21.44	25.94	0.00	0.00	0.00	4.37	23.87	28.37	0.00	1194.82	2.5	5	1.82	0.00	
104B	A	168	x	150	SEE SIGN-12	2	W10x22	S	N/A	1-R	N/A	20.00	8.20	12.50	7.00	4.5	1.94	21.44	25.94	0.00	0.00	0.00	4.37	23.87	28.37	0.00	1194.82	2.5	5	1.82	0.00	
105A	B	114	x	30	31+00 -Y2FLYAB-	2	W6x16	S	N/A	1-R	N/A	20.00	9.96	6.00	7.00	4.0	2.90	15.90	19.90	0.00	0.00	0.00	4.16	17.16	21.16	0.00	656.96	1.5	4.5	0.59	0.00	
105B	A	204	x	72	31+00 -Y2FLYAB-	2	W6x16	S	N/A	1-R	N/A	20.00	9.96	6.00	7.00	4.0	2.90	15.90	19.90	0.00	0.00	0.00	4.16	17.16	21.16	0.00	656.96	1.5	4.5	0.59	0.00	
106	A	150	x	120	27+50 -Y1- DEF	2	W6x16	BA	N/A	N/A	N/A	12.00	7.33	10.00	7.00	4.0	3.95	20.95	24.95	0.00	0.00	0.00	3.72	20.72	24.72	888.72	0	1.5	4.5	0.59	0.00	
107	A	114	x	90	30+25 -Y1- DEF	2	W6x12	BA	N/A	N/A	N/A	12.00	5.57	7.50	7.00	3.5	4.33	18.83	22.33	0.00	0.00	0.00	7.11	21.61	25.11	647.28	0	1.5	4	0.52	0.00	
108	A	114	x	96	23+19 -Y1-	2	W6x12	BA	N/A	N/A	N/A	20.00	5.57	8.00	7.00	3.0	3.25	18.25	21.25	0.00	0.00	0.00	0.98	15.98	18.98	560.76	0	1.5	3.5	0.46	0.00	
109	A	114	x	90	40+00 -Y1- DEF	2	W6x9	BA	N/A	N/A	N/A	12.00	5.57	7.50	11.60	3.0	-3.20	15.90	18.90	0.00	0.00	0.00	-4.60	14.50	17.50	391.60	0	1.5	3.5	0.46	0.00	
110	A	150	x	120	41+00 -Y1- DEF	2	W6x16	BA	N/A	N/A	N/A	12.00	7.33	10.00	7.00	4.0	3.90	20.90	24.90	0.00	0.00	0.00	6.00	23.00	27.00	924.40	0	1.5	4.5	0.59	0.00	
111	A	114	x	96	49+00 -Y1- DEF	2	W6x12	BA	N/A	N/A	N/A	12.00	5.57	8.00	7.00	3.5	3.81	18.81	22.31	0.00	0.00	0.00	3.93	18.93	22.43	614.88	0	1.5	4	0.52	0.00	
112	A	114	x	96	49+00 -Y1- DEF	2	W6x12	BA	N/A	N/A	N/A	12.00	5.57	8.00	7.00	3.5	3.81	18.81	22.31	0.00	0.00	0.00	3.93	18.93	22.43	614.88	0	1.5	4	0.52	0.00	
113	A	120	x	114	19+25 -Y3-	2	W6x12	BA	N/A	N/A	N/A	12.00	5.86	9.50	7.36	3.5	0.44	17.30	20.80	0.00	0.00	0.00	-0.36	16.50	20.00	567.61	0	1.5	4	0.52	0.00	
114	A	156	x	114	32+25 -Y3-	2	W8x18	BA	N/A	N/A	N/A	12.00	7.62	9.50	7.00	4.0	7.11	23.61	27.61	0.00	0.00	0.00	9.01	25.51	29.51	1168.16	0	2.0	4.5	1.05	0.00	
115	A	120	x	114	40+00 -Y3-	2	W6x12	BA	N/A	N/A	N/A	12.00	5.86	9.50	11.54	3.5	-1.61	19.43	22.93	0.00	0.00	0.00	-4.54	16.50	20.00	593.16	0	1.5	4	0.52	0.00	
116	A	114	x	114	27+00 -Y3-	2	W6x9	BA	N/A	N/A	N/A	12.00	5.57	9.50	7.00	3.5	1.25	17.75	21.25	0.00	0.00	0.00	0.32	16.82	20.32	438.13	0	1.5	4	0.52	0.00	
117A	B	132	x	30	SEE SIGN-11	2	W8x18	S	N/A	N/A	N/A	20.00	6.45	15.00	7.00	4.5	0.43	22.43	26.93	0.00	0.00	0.00	0.59	22.59	27.09	0.00	972.36	2.0	5	1.16	0.00	
117B	A	168	x	150	SEE SIGN-11	2	W8x18	S	N/A	N/A	N/A	20.00	6.45	15.00	7.00	4.5	0.43	22.43	26.93	0.00	0.00	0.00	0.59	22.59	27.09	0.00	972.36	2.0	5	1.16	0.00	
118A	A	186	x	30	SEE SIGN-26	2	W14x30	S	N/A	N/A	N/A	20.00	9.08	15.00	7.00	4.5	6.00	28.00	32.50	0.00	0.00	0.00	8.40	30.40	34.90	0.00	2022	3.0	5	2.62	0.00	
118B	A	186	x	150	SEE SIGN-26	2	W14x30	S	N/A	N/A	N/A	20.00	9.08	15.00	7.00	4.5	6.00	28.00	32.50	0.00	0.00	0.00	8.40	30.40	34.90	0.00	2022	3.0	5	2.62	0.00	
119	A	150	x	120	44+50 -Y-	2	W6x16	S	N/A	N/A	N/A	18.00	7.33	10.00	7.00	4.0	2.95	19.95	23.95	0.00	0.00	0.00	4.17	21.17	25.17	0.00	785.92	1.5	4.5	0.59	0.00	
120	A	114	x	90	28+53 -Y1-	2	W6x12	BA	N/A	N/A	N/A	30.00	5.57	7.50	7.00	3.5	5.71	20.21	23.71	0.00	0.00	0.00	6.82	21.32	24.82	660.36	0	1.5	4	0.52	0.00	
201	A	78	x	60	SEE SIGN-11	2	S3x5.7	BA	N/A	N/A	N/A	Δ	3.81	5.00	7.00	2.5	0.50	12.50	15.00	0.00	0.00	0.00	0.50	12.50	15.00	207.00	0	1.0	3	0.00	0.17	
202	A	78	x	60	36+00 -Y2SBL-	2	S4x7.7	BA	N/A	N/A	N/A	Δ	3.81	5.00	7.00	2.5	3.00	15.00	17.50	0.00	0.00	0.00	4.00	16.00	18.50	317.20	0	1.0	3	0.00	0.17	
203A	A	78	x	60	39+72 -Y2NBL-	2	S4x7.7	BA	N/A	N/A	N/A	Δ	3.81	5.00	7.00	2.5	3.00	15.00	17.50	0.00	0.00	0.00	4.00	16.00	18.50	317.20	0	1.0	3	0.00	0.17	
203B	B	78	x	24	39+72 -Y2NBL-	2	S4x7.7	BA	N/A	N/A	N/A	Δ	3.81	7.00	7.00	3.0	1.12	15.12	18.12	0.00	0.00	0.00	1.06	15.06	18.06	318.59	0	1.0	3.5	0.00	0.20	
204	A	78	x	60	14+42 -Y2FLYCA-	2	S3x5.7	BA	N/A	N/A	N/A	Δ	3.81	5.00	7.00	2.5	1.36	13.36	15.86	0.00	0.00	0.00	1.43	13.43	15.93	217.20	0	1.0	3	0.00	0.17	
205	A	78	x	60	53+00 -L-	2	S3x5.7	BA	N/A	N/A	N/A	Δ	3.81	5.00	7.00	2.5	0.35	12.35	14.85	0.00	0.00	0.00	0.17	12.17	14.67	204.26	0	1.0	3	0.00	0.17	
206	A	78	x	60	18+40 -L-	2	S3x5.7	BA	N/A	N/A	N/A	Δ	3.81	5.00	7.00	2.5	0.01	12.01	14.51	0.00	0.00	0.00	0.01	12.01	14.51	201.41	0	1.0	3	0.00	0.17	
207	A	126	x	60	35+42 -Y4RPC-	2	S4x7.7	BA	N/A	N/A	N/A	Δ	6.15	5.00	7.00	3.0	0.25	12.25	15.25	0.00	0.00	0.00	1.00	13.00	16.00	280.63	0	1.0	3.5	0.00	0.20	
208A	A	126	x	60	SEE SIGN-23	2	S4x7.7	BA	N/A	N/A	N/A	Δ	6.15	7.00	7.00	3.5	0.25	14.25	17.75	0.00	0.00	0.00	0.20	14.20	17.70	312.97	0	1.0	4	0.00	0.23	
208B	B	126	x	24	SEE SIGN-23	2	S4x7.7	BA	N/A	N/A	N/A	Δ	6.15	7.00	7.00	3.5	0.25	14.25	17.75	0.00	0.00	0.00	0.20	14.20	17.70	312.97	0	1.0	4	0.00	0.23	
209A	A	126	x	60	SEE SIGN-24	2	W6x9	BA	N/A	N/A	N/A	Δ	6.15	7.00	7.00	3.0	0.70	14.70	17.70	0.00	0.00	0.00	1.34	15.34	18.34	388.36	0	1.5	3.5	0.46	0.00	
209B	B	126	x	24	SEE SIGN-24	2	W6x9	BA	N/A	N/A	N/A	Δ	6.15	7.00	7.00	3.0	0.70	14.70	17.70	0.00	0.00	0.00	1.34	15.34	18.34	388.36	0	1.5	3.5	0.46	0.00	
210	A	126	x	60	SEE SIGN-24	2	S4x7.7	BA	N/A	N/A	N/A	Δ	6.15	5.00	7.00	3.0	0.67	12.67	15.67	0.00	0.00	0.00	2.50	14.50	17.50	295.41	0	1.0				

TIP NO. U-2579AA	SHEET NO. SIGN-2A
APPROVED: _____	
DATE: _____	
SEAL	
	
7/12/2022	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

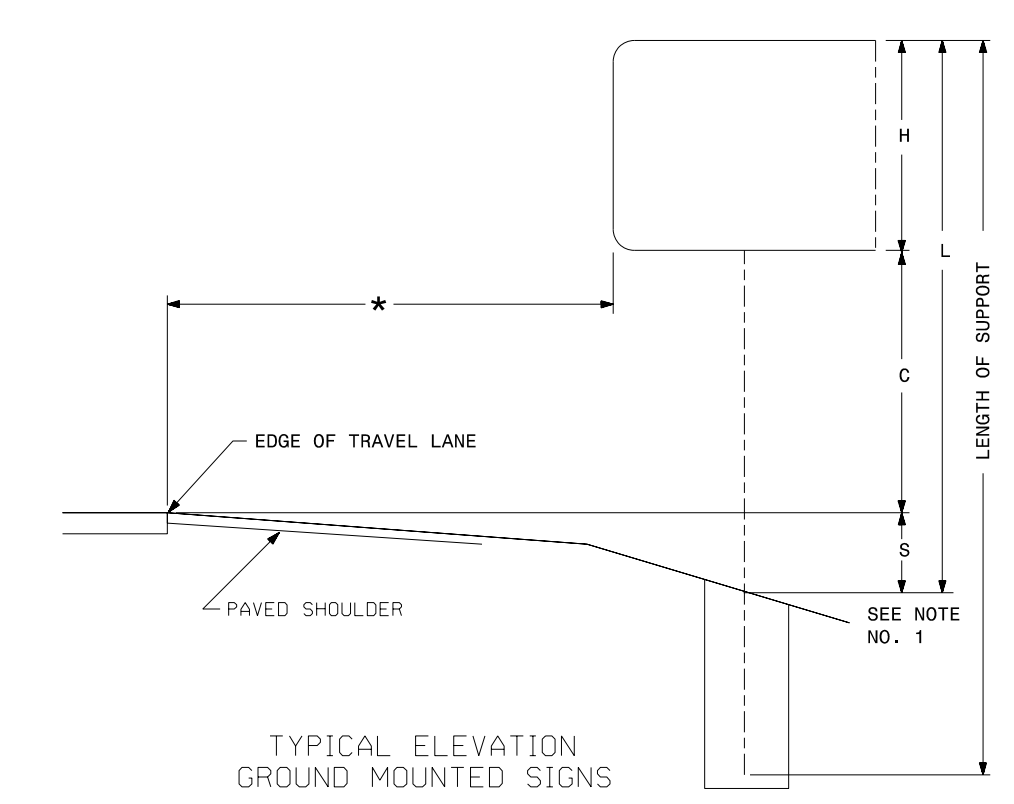
Version: 3.1 Posted: 6/2/2017

NUMBER	SIGN			ROADWAY STATION	NUMBER OF SUPPORTS	BEAM SECTION	SUPPORT TYPE BA or S	ATTACHMENT METHOD	MOUNTING METHOD	HORIZONTAL CLEARANCE* (ft.)	SUPPORT SPACING	LENGTH (ft)			LEFT SUPPORT (ft)			CENTER SUPPORT (ft)			RIGHT SUPPORT (ft)			WOOD SUPPORT (LF)	FIELD VERIFIED SEE NOTE 2 (mm/dd/yy)	
	TYPE	SIZE (in.)										SNS HT	MTG HT	EMBED-MENT	S	L	LENGTH	S	L	LENGTH	S	L	LENGTH			
		w	x																							h
144	A	84	x	72	SEE SIGN-69	2	4in x 6in	BA	N/A	N/A	30.00	4.10	6.00	7.00	4.50	1.00	14.00	18.50	0.00	0.00	0.00	2.00	15.00	19.50	38.00	_____
145	A	84	x	72	SEE SIGN-74	2	4in x 6in	BA	N/A	N/A	12.00	4.10	6.00	7.00	4.50	1.00	14.00	18.50	0.00	0.00	0.00	2.00	15.00	19.50	38.00	_____
146	A	84	x	72	SEE SIGN-79	2	4in x 6in	BA	N/A	N/A	30.00	4.10	6.00	7.00	4.50	0.50	13.50	18.00	0.00	0.00	0.00	1.00	14.00	18.50	36.50	_____
147	A	84	x	72	SEE SIGN-80	2	6in x 6in	BA	N/A	N/A	18.00	4.10	6.00	7.00	5.25	6.00	19.00	24.25	0.00	0.00	0.00	4.00	17.00	22.25	46.50	_____
148	A	84	x	72	SEE SIGN-91	2	6in x 6in	BA	N/A	N/A	18.00	4.10	6.00	7.00	5.25	4.00	17.00	22.25	0.00	0.00	0.00	6.00	19.00	24.25	46.50	_____
149	A	84	x	72	SEE SIGN-92	2	4in x 6in	BA	N/A	N/A	30.00	4.10	6.00	7.00	4.50	2.00	15.00	19.50	0.00	0.00	0.00	4.00	17.00	21.50	41.00	_____



TOTAL
246.50
USE: 247.00

NOTES

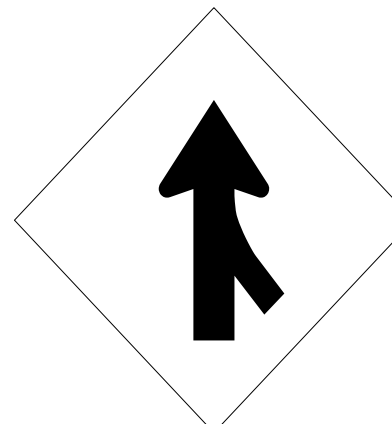
- DIMENSION "S" REPRESENTS AN INCREASE (+), OR A DECREASE (-) IN POLE LENGTH, RELATIVE TO THE ELEVATION OF THE EDGE OF TRAVEL LANE.
- FIELD VERIFICATIONS SHALL BE REQUIRED FOR ALL SUPPORTS, SEE (*) ARTICLE 903-3. FABRICATORS SHALL BE AISC CERTIFIED IN CATEGORY 1, SEE (*) ARTICLE 1072-1. (*) = N.C.D.O.T. STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES
- PLAN LOCATIONS FOR EXISTING UTILITIES ARE BASED ON THE BEST AVAILABLE INFORMATION AND, THEREFORE MAY NOT BE PRECISELY ACCURATE. THEREFORE, IT IS INCUMBENT UPON THE CONTRACTOR TO DETERMINE THE EXACT LOCATION OF UTILITIES BEFORE BEGINNING WORK IN A LOCATION.



**TYPE "A" AND TYPE "B"
GROUND MOUNTED SIGNS**

PROJECT REFERENCE NO. U-2579AA	SHEET NO. SIGN-3
	
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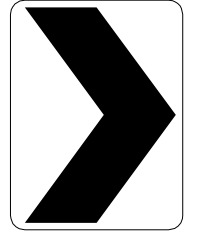
401 QUANTITY REQ'D 1



48 X 48
W4-1 (R)

TWO "U" POSTS


406 QUANTITY REQ'D 22



36 X 48
W1-8(R)

ONE "U" POST PER SIGN

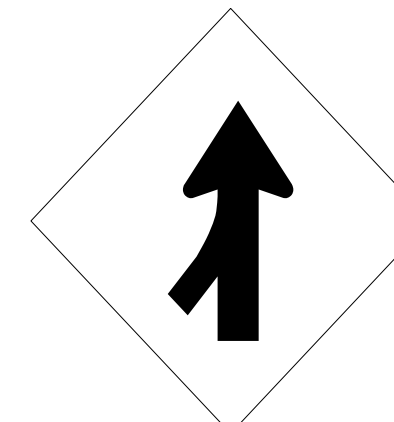
411 QUANTITY REQ'D 2



54 X 18
R6-1 (R)

TWO "U" POSTS PER SIGN


416 QUANTITY REQ'D 1



48 X 48
W4-1 (L)

TWO "U" POST

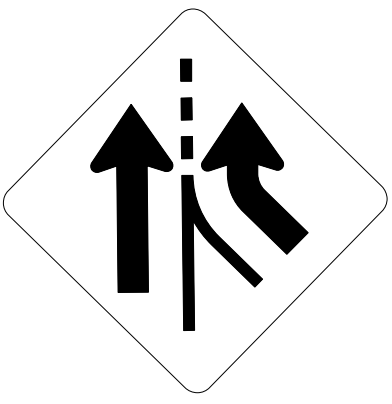
402 QUANTITY REQ'D 2



36 X 60
W13-6

TWO "U" POSTS PER SIGN

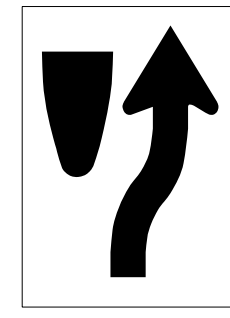
407 QUANTITY REQ'D 4



48 X 48
W4-3R

TWO "U" POSTS PER SIGN

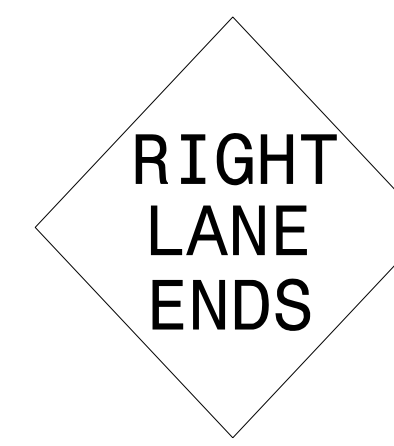
412 QUANTITY REQ'D 2



24 X 30
R4-7

ONE "U" POST PER SIGN


417 QUANTITY REQ'D 2



48 X 48
W9-2(R)

TWO "U" POSTS PER SIGN

403 QUANTITY REQ'D 4

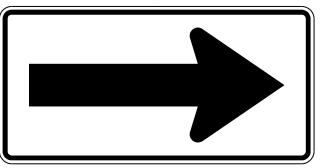


30 X 30
W13-1

MOUNT BELOW SIGN 406
IN 4 INSTALLATION

TWO "U" POSTS PER SIGN

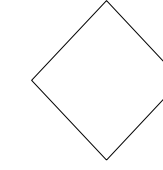
408 QUANTITY REQ'D 1



60 X 30
W1-6R

TWO "U" POSTS

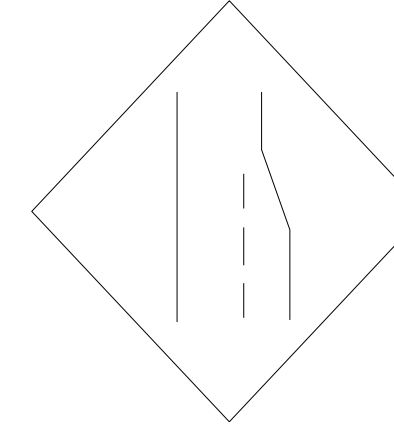
413 QUANTITY REQ'D 2



18 X 18
OM1-3

MOUNT BELOW SIGN 422
IN 2 INSTALLATIONS

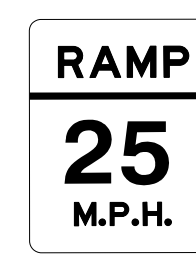
418 QUANTITY REQ'D 2



48 X 48
W4-2(R)

TWO "U" POSTS PER SIGN

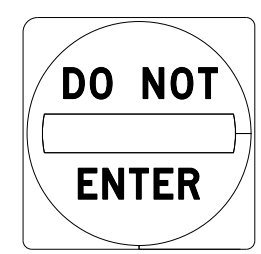
404 QUANTITY REQ'D 2



36 X 60
W13-7

TWO "U" POSTS PER SIGN

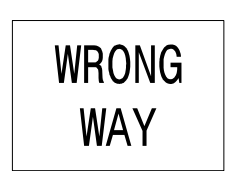
409 QUANTITY REQ'D 2



36 X 36
R5-1

ONE "U" POST PER SIGN

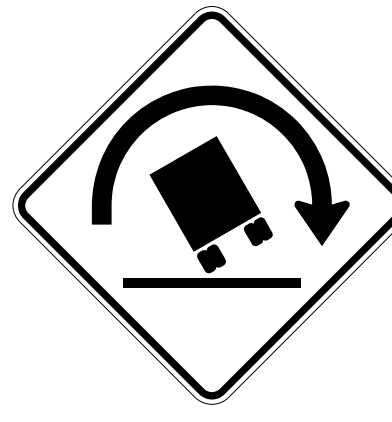
414 QUANTITY REQ'D 4



42 X 30
R5-1a

ONE "U" POST PER SIGN

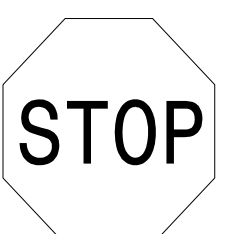
405 QUANTITY REQ'D 4



48 X 48
W1-13(R)

TWO "U" POSTS PER SIGN


410 QUANTITY REQ'D 4



36 X 36
R1-1

ONE "U" POST PER SIGN

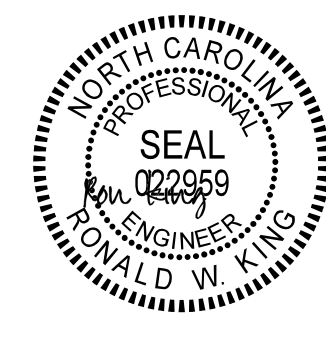
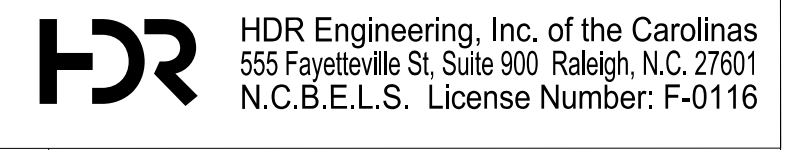
415 QUANTITY REQ'D 6



36 X 48
R2-1

TWO "U" POSTS PER SIGN

TYPE "E" SIGNS

PROJECT REFERENCE NO. U-2579AA	SHEET NO. SIGN-3A
 <p>7/12/2022</p>	
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501 503

EAST 1-36" X 18"
192 1-36" X 36"

ONE "U" POST PER SIGN

507 510

JCT 1-21" X 15"
192 1-24" X 24"

ONE "U" POST PER SIGN

515 517 520 529 534
536 539 544 545 546

JCT 1-21" X 15"
INTERSTATE 74 1-24" X 24"

ONE "U" POST PER SIGN

532

EAST 1-24" X 12"
INTERSTATE 74 1-24" X 24"
← 1-21" X 15"

ONE "U" POST

547

EAST 1-24" X 12"
192 1-24" X 24"
→ 1-21" X 15"

ONE "U" POST

554

END 1-36" X 18"
INTERSTATE 74 1-36" X 36"

ONE "U" POST

502 511

WEST 1-36" X 18"
192 1-36" X 36"

ONE "U" POST PER SIGN

508

EAST WEST 2-24" X 12"
192 192 2-24" X 24"
↑ → 2-21" X 15"

TWO "U" POSTS

518 528

WEST 1-24" X 12"
INTERSTATE 74 1-24" X 24"
↗ 1-21" X 15"

ONE "U" POST PER SIGN

533

WEST EAST 2-24" X 12"
INTERSTATE 74 INTERSTATE 74 2-24" X 24"
↑ → 2-21" X 15"

TWO "U" POSTS

548 553

JCT JCT 2-21" X 15"
INTERSTATE 74 INTERSTATE 52 2-24" X 24"

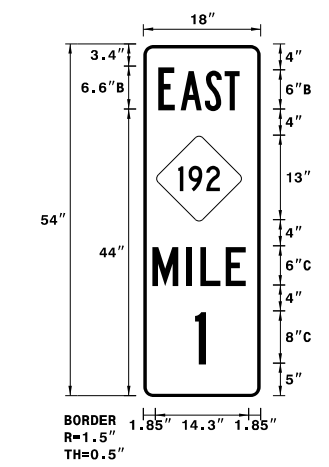
TWO "U" POSTS PER SIGN

555

BEGIN 1-24" X 12"
NORTH 1-24" X 12"
311 1-30" X 24"

ONE "U" POST

QUANTITY REQ'D 1



ONE "U" POST

504

EAST WEST 2-24" X 12"
192 192 2-24" X 24"
← ↑ 2-21" X 15"

TWO "U" POSTS

509

EAST 1-24" X 12"
192 1-24" X 24"
↙ 1-21" X 15"

ONE "U" POST

519 525

EAST 1-24" X 12"
INTERSTATE 74 1-24" X 24"
↶ 1-21" X 15"

ONE "U" POST PER SIGN

535

WEST 1-24" X 12"
INTERSTATE 74 1-24" X 24"
← 1-21" X 15"

ONE "U" POST

549

EAST 1-24" X 12"
INTERSTATE 74 1-24" X 24"
→ 1-21" X 15"
SOUTH NORTH 2-24" X 12"
52 52 2-24" X 24"
← ↑ 2-21" X 15"

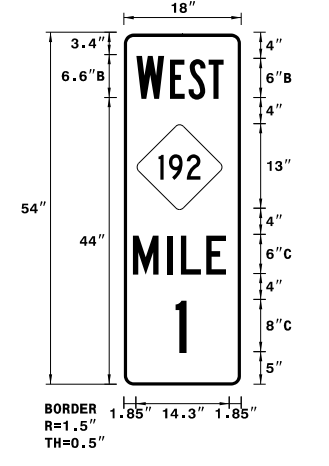
TWO "U" POSTS

556

END 1-24" X 12"
SOUTH 1-24" X 12"
311 1-30" X 24"

ONE "U" POST

QUANTITY REQ'D 1



ONE "U" POST

505

WEST 1-24" X 12"
192 1-24" X 24"
↶ 1-21" X 15"

ONE "U" POST

512 514 524 531 538
543

WEST 1-36" X 18"
INTERSTATE 74 1-36" X 36"

ONE "U" POST PER SIGN

521 526

EAST 1-24" X 12"
INTERSTATE 74 1-24" X 24"
↗ 1-21" X 15"

ONE "U" POST PER SIGN

537

EAST WEST 2-24" X 12"
INTERSTATE 74 INTERSTATE 74 2-24" X 24"
↑ → 2-21" X 15"

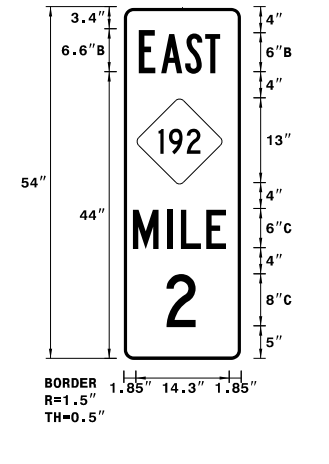
TWO "U" POSTS

550

EAST SOUTH 2-24" X 12"
INTERSTATE 74 INTERSTATE 52 2-24" X 24"
← → 2-21" X 15"

TWO "U" POSTS

QUANTITY REQ'D 1



ONE "U" POST

506

WEST 1-24" X 12"
192 1-24" X 24"
← 1-21" X 15"

ONE "U" POST

513 523 530 542

EAST 1-36" X 18"
INTERSTATE 74 1-36" X 36"

ONE "U" POST PER SIGN

522 527

WEST 1-24" X 12"
INTERSTATE 74 1-24" X 24"
↶ 1-21" X 15"

ONE "U" POST PER SIGN

541

WEST 1-24" X 12"
INTERSTATE 74 1-24" X 24"
↗ 1-21" X 15"

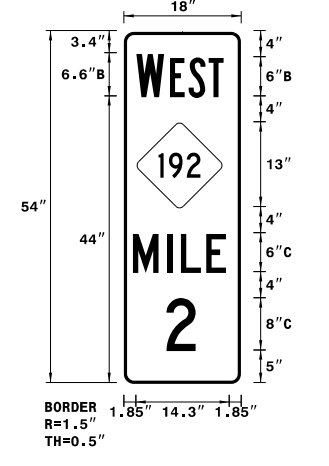
ONE "U" POST

552

EAST 1-24" X 12"
INTERSTATE 74 1-24" X 24"
→ 1-21" X 15"
SOUTH NORTH 2-24" X 12"
52 52 2-24" X 24"
↑ → 2-21" X 15"



TWO "U" POSTS

QUANTITY REQ'D 1




ONE "U" POST

**"F" SIGNS
& MILEMARKERS**


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QUANTITY REQ'D 1



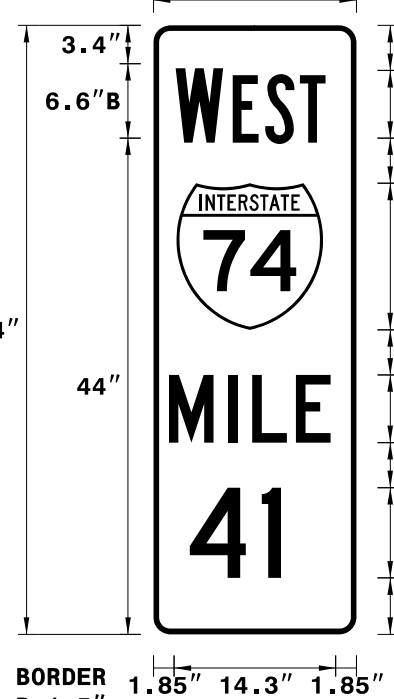
ONE "U" POST

QUANTITY REQ'D 1



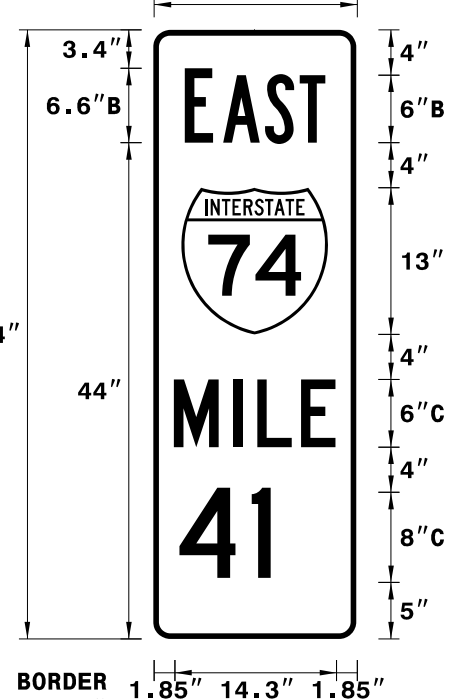
ONE "U" POST

QUANTITY REQ'D 1



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QUANTITY REQ'D 1



ONE "U" POST

Milemarkers

PROJECT REFERENCE NO. U-2579AA	SHEET NO. SIGN-3C
	
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QUANTITY REQ'D 1



ONE "U" POST

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QUANTITY REQ'D 1



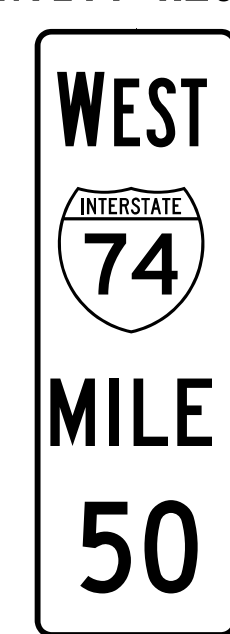
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QUANTITY REQ'D 1



ONE "U" POST

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ONE "U" POST

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ONE "U" POST

QUANTITY REQ'D 1



ONE "U" POST PER SIGN

QUANTITY REQ'D 1



ONE "U" POST PER SIGN

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QUANTITY REQ'D 2 ONE "U" POST	QUANTITY REQ'D 2 ONE "U" POST	QUANTITY REQ'D 2 ONE "U" POST	QUANTITY REQ'D 2 ONE "U" POST	QUANTITY REQ'D 2 ONE "U" POST	QUANTITY REQ'D 2 ONE "U" POST	QUANTITY REQ'D 2 ONE "U" POST	QUANTITY REQ'D 2 ONE "U" POST	QUANTITY REQ'D 2 ONE "U" POST	QUANTITY REQ'D 2 ONE "U" POST	QUANTITY REQ'D 2 ONE "U" POST
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QUANTITY REQ'D 2 ONE "U" POST											
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Milemarkers

06/17/22 P:\Projects\2022\06\01\Documents\3322\102001376\10132220\6_0_CAD_BIM\6.2_MIP\Signing\CADD\1-74_Modification\U-2579AA_SIGN-3.dgn User:RDR\ATLDR

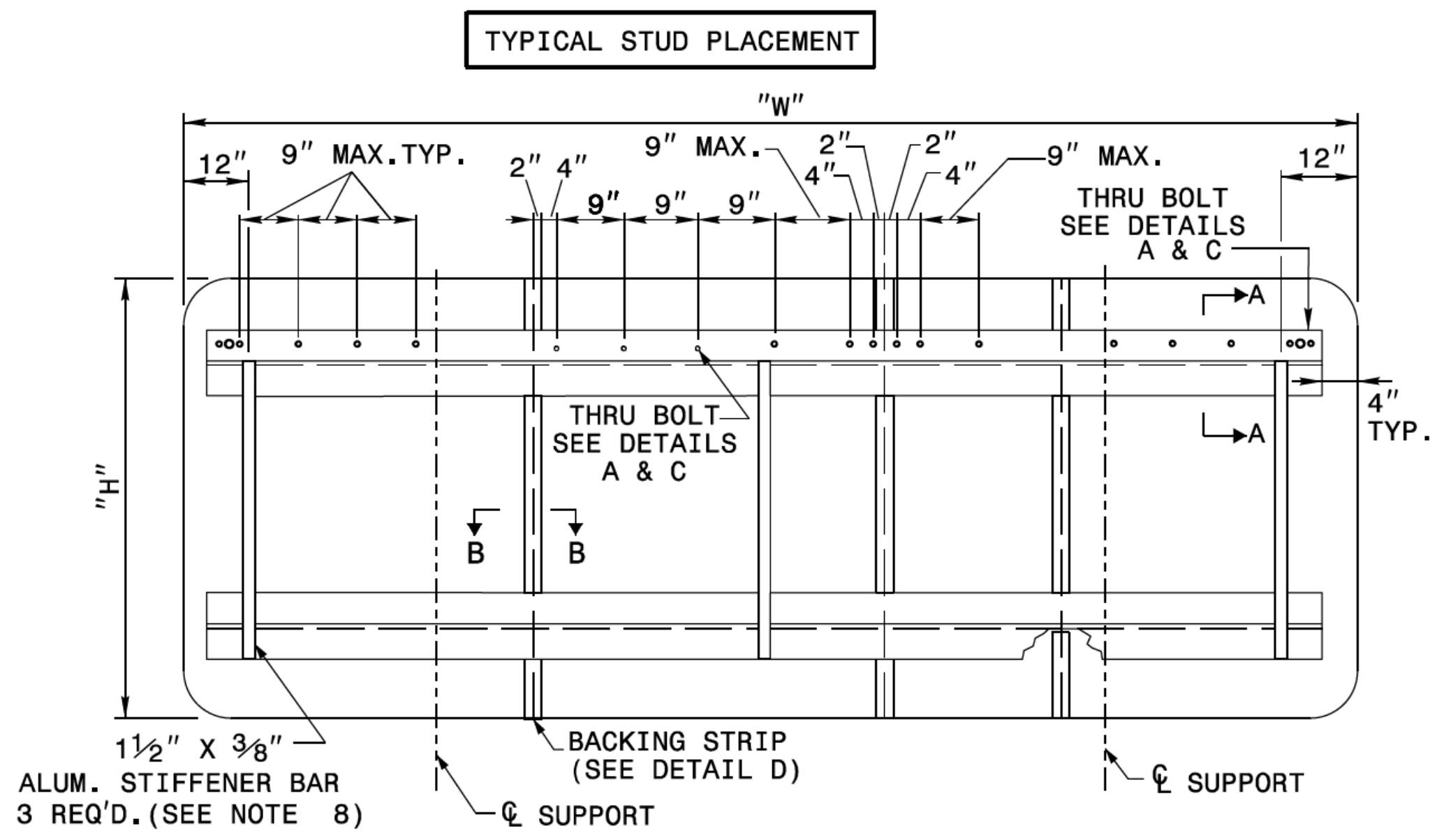
TIP NO.	SHEET NO.
U-2579AA	DocuSigned by: SIGN-4
APPROVED:	<i>Matthew V. Springer</i>
DATE:	3/21/2019
SEAL	BC60F6E8B584403...



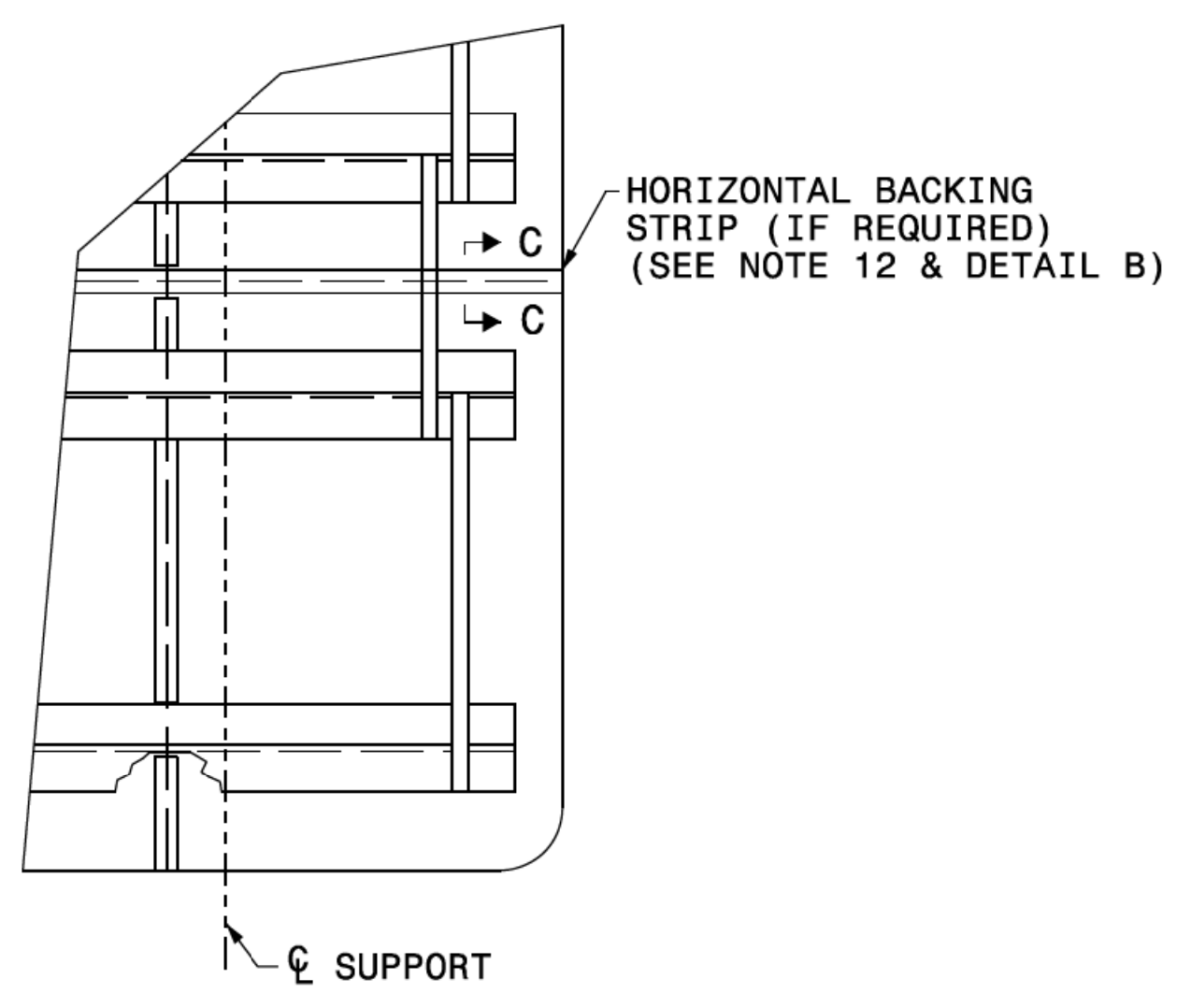
STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

2-19

ENGLISH DETAIL DRAWING FOR
TYPE 'A' SIGNS
WELDED STUD CONSTRUCTION



HORIZONTAL BACKING STRIP




NOTES:

1. USE THE NUMBER AND SIZE OF SUPPORTS SHOWN ON THE SUPPORT CHART IN PROJECT PLANS.
2. FABRICATE SIGN PANEL SECTIONS WITH SHEETS 4'-0" WIDE. WHEN FABRICATING SIGNS WHICH ARE NOT MULTIPLES OF 4'-0" IN WIDTH, DO NOT CUT MORE THAN TWO SHEETS TO LESS THAN 4'-0" IN WIDTH. THESE PANELS SHALL NOT BE LESS THAN 1'-0" IN WIDTH.
3. SEE NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES, FOR TYPE OF MATERIAL TO BE USED FOR SIGN PANELS, HANGER ASSEMBLIES, AND SUPPORTS.
4. USE GALVANIZED STEEL FOR BACKING PLATES AND MOUNTING BOLTS.
5. SEE ROADWAY STANDARD 904.20 WHEN TYPE "B" SECONDARY SIGN MOUNTING IS REQUIRED.
6. DETAILS FOR TYPE "A" SECONDARY SIGNS SHALL BE THE SAME AS FOR TYPE "A" SIGNS.
7. THE VERTICAL DIMENSION BETWEEN PRIMARY AND SECONDARY SIGNS IS TWO (2) INCHES.
8. ADJUST STIFFENERS TO AVOID CONFLICT WITH SUPPORTS.
9. SEE ROADWAY STANDARD 901.70 FOR SUPPORT AND "Z" BAR SPACING.
10. FABRICATE SIGNS TALLER THAN 12'-0" AS TWO SEPARATE SIGNS WITH A HORIZONTAL SPLICE. LOCATE STRINGERS ON EACH SECTION OF THE SIGN BY THE SIGN STRINGER CHART. (SEE ROADWAY STANDARD 901.70)
11. FABRICATE SIGNS TALLER THAN 12'-0" BUT SHORTER THAN 14'-6" WITH A HORIZONTAL SPLICE LOCATED 7'-0" FROM BOTTOM OF SIGN.
12. FABRICATE SIGNS 14'-6" TALL AND TALLER WITH A HORIZONTAL SPLICE. LOCATE THE SPLICE AT LEAST HALF OF THE SIGN HEIGHT FROM THE BOTTOM AND AT LEAST 7'-0" FROM THE TOP.
13. THERE SHALL ONLY BE A 1/8" GAP BETWEEN THE VERTICAL BACKING STRIP AND THE "Z" BAR.
14. SEE ROADWAY STANDARD 901.80 FOR DETAILS SHOWING SIGN MOUNTING TO SUPPORTS.
15. PLACE NYLON WASHER UNDER HEAD OF 3/8" THRU BOLTS.
16. FABRICATE EACH SIGN WITH 3/8" DIA. THRU BOLT, 4" FROM EACH END OF EACH "Z" BAR THRU SIGN PANEL AND "Z" BAR. SEE DETAILS A & C.
17. FABRICATE EACH SIGN WITH 3/8" DIA. THRU BOLT CENTERED IN EACH PANEL THRU THE TOP AND BOTTOM "Z" BAR. CENTERED THRU BOLT REQUIRED IN END PANELS GREATER THAN 2'-0" WIDE. SEE DETAILS A & C.
18. THRU BOLTS WILL HAVE A MINIMUM 1/16" TO MAXIMUM 1/8" GAP

STATE OF NORTH CAROLINA
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2-19

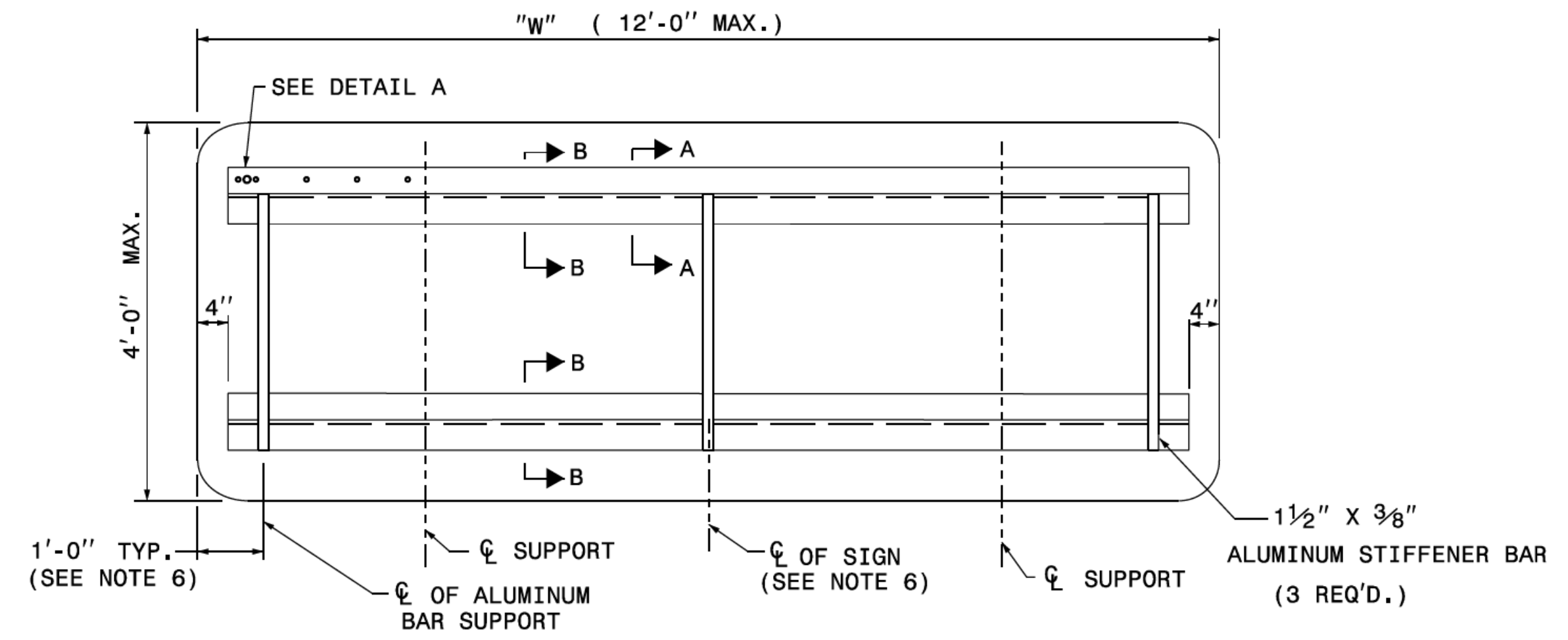
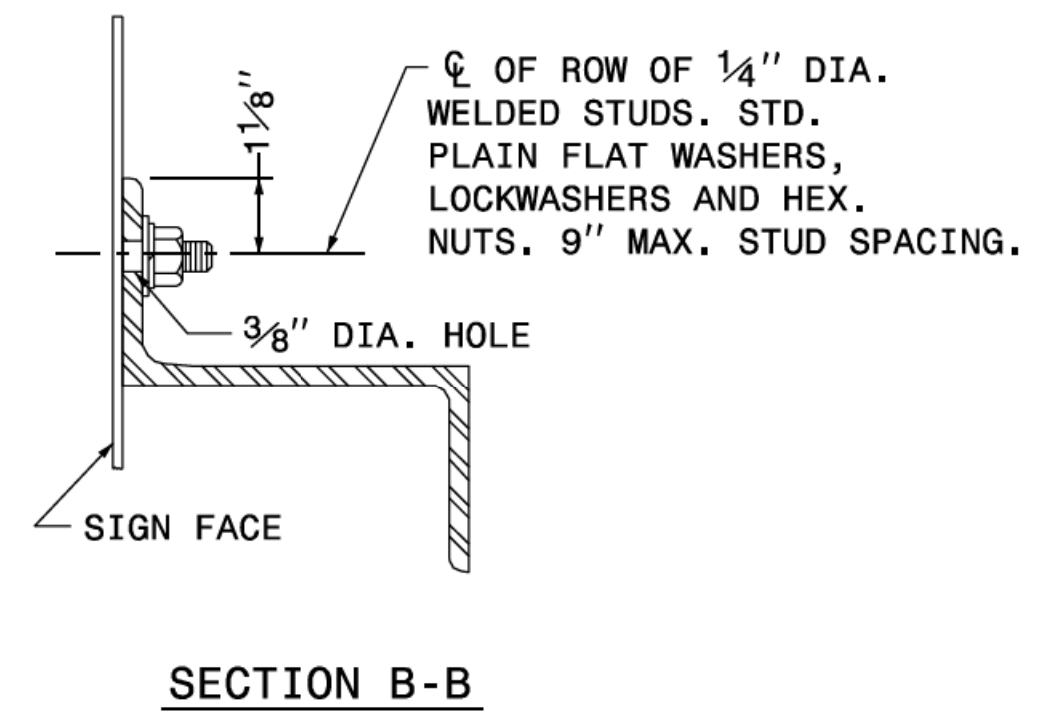
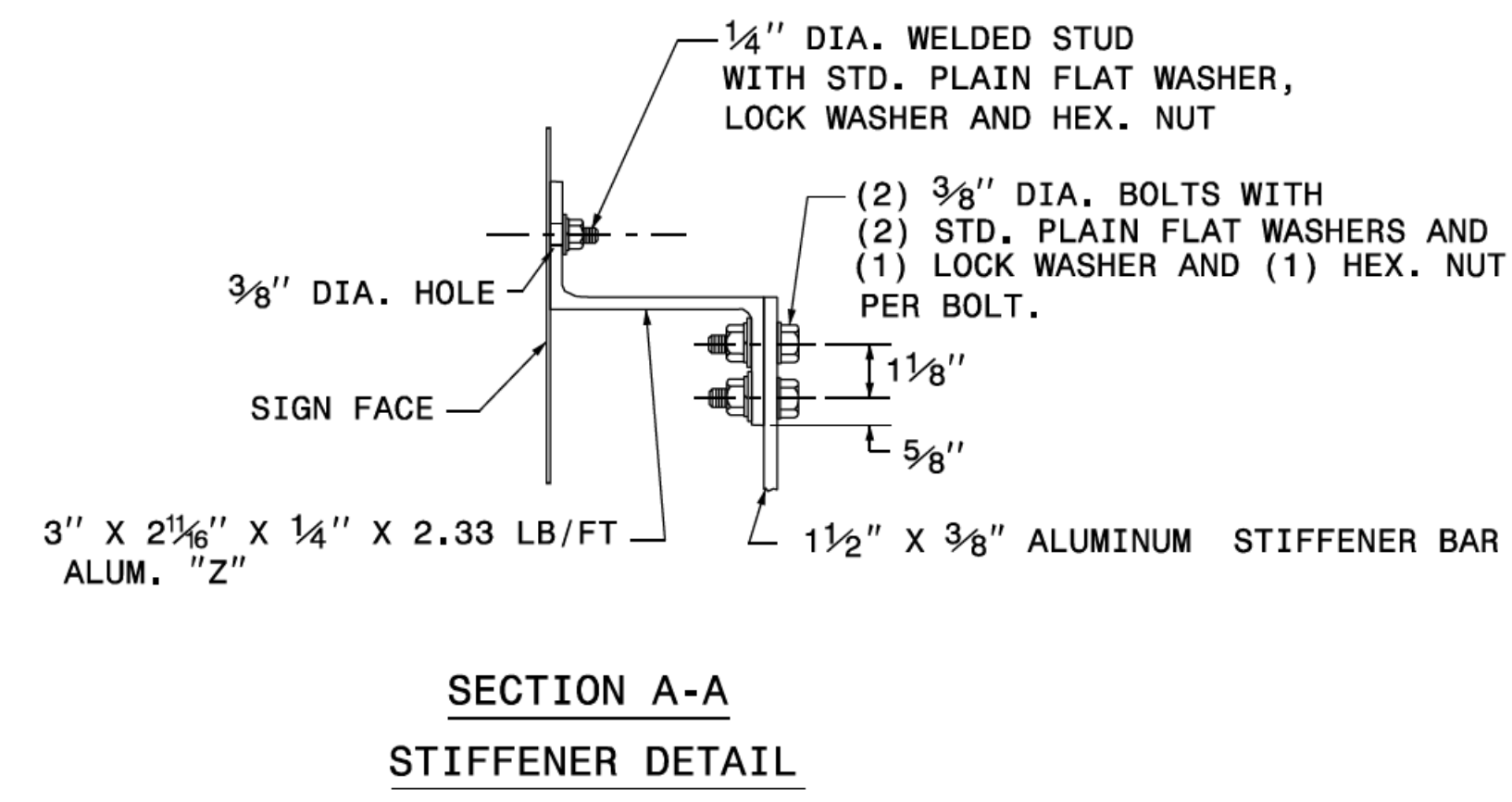
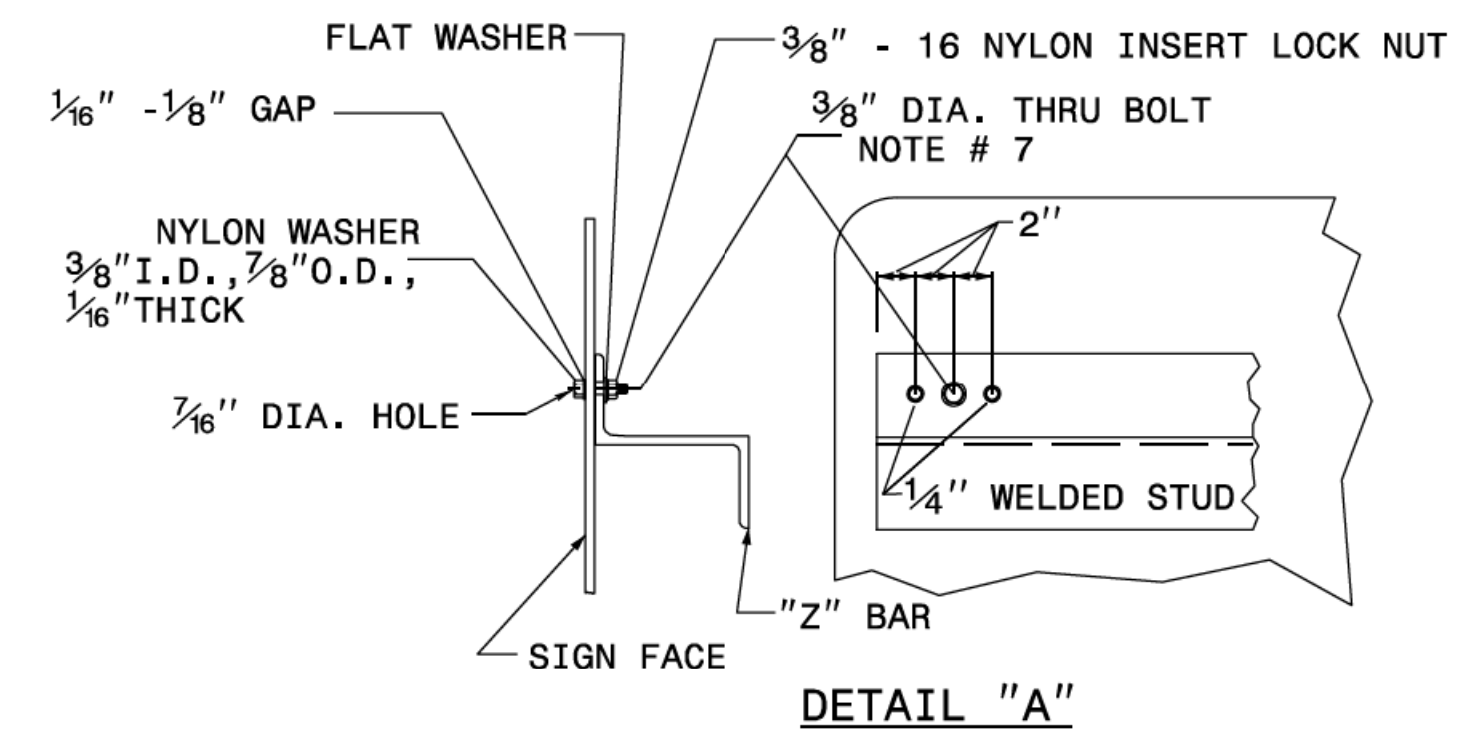
ENGLISH DETAIL DRAWING FOR
TYPE 'A' SIGNS
WELDED STUD CONSTRUCTION

TIP NO. U-2579AA	SHEET NO. SIGN-4A
DocuSigned by: <i>Matthew V. Springer</i>	
APPROVED: 3/21/2019	
DATE: BC60F6E8B584403...	
SEAL	
	

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DEPT. OF TRANSPORTATION
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RALEIGH, N.C.

2-19

ENGLISH DETAIL DRAWING FOR
TYPE 'B' SIGNS
WELDED STUD CONSTRUCTION




- NOTES:
1. USE NUMBER AND SIZE OF SUPPORTS SHOWN ON SUPPORT CHART IN PROJECT PLAN SHEETS.
 2. SEE NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES FOR THE TYPE OF MATERIAL TO BE USED FOR SIGN PANELS, HANGER ASSEMBLIES AND SUPPORTS.
 3. FURNISH ALL MOUNTING HARDWARE.
 4. USE GALVANIZED STEEL FOR BACKING PLATES AND MOUNTING BOLTS.
 5. THE VERTICAL DIMENSION BETWEEN PRIMARY AND SECONDARY SIGNS IS TWO (2) INCHES.
 6. ADJUST STIFFENERS TO AVOID CONFLICT WITH SUPPORTS.
 7. FABRICATE EACH SIGN WITH A 3/8" DIA. BOLT 4" FROM EACH END OF EACH "Z" BAR THRU SIGN PANEL AND "Z" BAR.
 8. SEE ROADWAY STANDARD 901.70 FOR SUPPORT AND "Z" BAR SPACING.
 9. SEE ROADWAY STANDARD 901.80 FOR DETAILS SHOWING SIGN MOUNTING TO SUPPORTS.
 10. PLACE NYLON WASHER UNDER HEAD OF 3/8" THRU BOLT.
 11. THRU BOLTS WILL HAVE A MINIMUM 1/16" TO MAXIMUM 1/8" GAP.

STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

2-19

ENGLISH DETAIL DRAWING FOR
TYPE 'B' SIGNS
WELDED STUD CONSTRUCTION

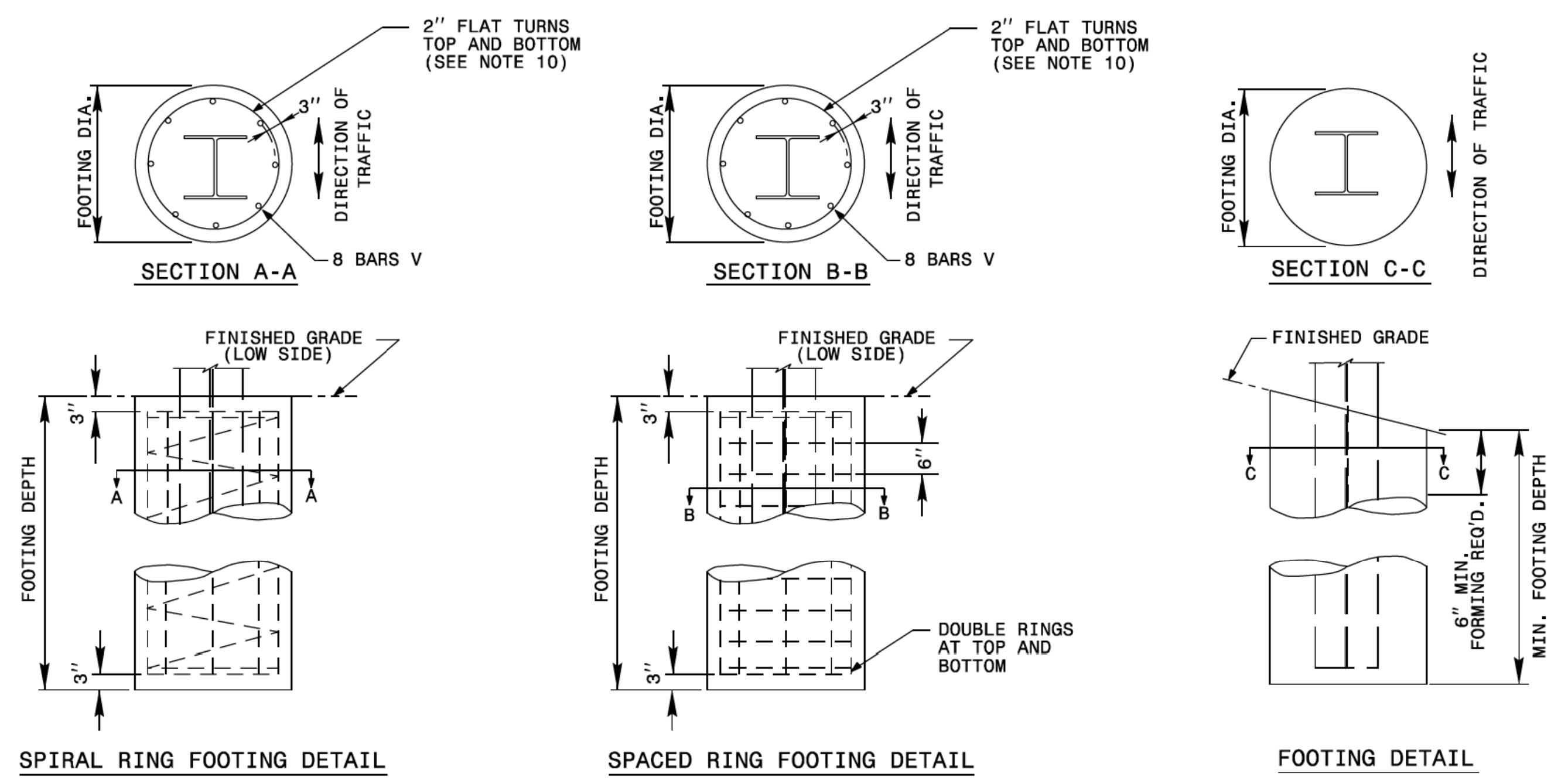
TIP NO. U-2579AA	SHEET NO. SIGN-4B
DocuSigned by: <i>Matthew V. Springer</i>	
APPROVED: 5/26/2020	
DATE: BC60F6E8B584403...	
SEAL	
	

STATE OF NORTH CAROLINA
 DEPT. OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 RALEIGH, N.C.

5-20

ENGLISH DETAIL DRAWING FOR
GROUND MOUNTED SIGN SUPPORTS

BEAM SHAPE	SLIP BASE PLATE DATA							KEEPER PLATE DATA							HINGE CONNECTION DATA							BREAK AWAY SUPPORT WEIGHT CONSTANT LBS.				
	BOLT SIZE	A ₁	B ₁	C ₁	D ₁	E ₁	T ₁	R ₁	A ₂	B ₂	C ₂	D ₂	E ₂	R ₂	T ₂	BOLT SIZE	F	G	H	I	J		K	L	R ₃	T ₃
S3X5.7	1/2"DIA.X 3/4"	7"	4"	1"	3/4"	2 1/2"	1"	9/32"	7"	4"	1"	3/4"	2 1/2"	9/32"	28 GAUGE	1/2"DIA.X 1 3/4"	2 1/4"	3 1/2"	4"	1 1/2"	1"	1 1/2"	2"	9/32"	3/8"	18
S4X7.7	1/2"DIA.X 3/4"	8"	4"	1"	3/4"	2 1/2"	1"	9/32"	8"	4"	1"	3/4"	2 1/2"	9/32"	28 GAUGE	1/2"DIA.X 1 3/4"	2 5/8"	3 1/2"	4"	1 1/2"	1"	1 1/2"	2"	9/32"	3/8"	20
W6X9	1/2"DIA.X 3/4"	10"	5"	1"	3/4"	3 1/2"	1"	9/32"	10"	5"	1"	3/4"	3 1/2"	9/32"	28 GAUGE	1/2"DIA.X 1 3/4"	4"	3 1/2"	4"	3/4"	1"	1 1/2"	2"	9/32"	3/8"	32
W6X12	5/8"DIA.X 4"	11"	5"	1 1/4"	7/8"	3 1/4"	1 1/4"	1 1/32"	11"	5"	1 1/4"	7/8"	3 1/4"	1 1/32"	28 GAUGE	5/8"DIA.X 2"	4"	4"	4 1/2"	3/4"	1 1/8"	5/8"	2 1/4"	1 1/32"	3/8"	39
W6X16	5/8"DIA.X 4 1/2"	12"	6"	1 1/4"	7/8"	4 1/4"	1 1/2"	1 1/32"	12"	6"	1 1/4"	7/8"	4 1/4"	1 1/32"	28 GAUGE	5/8"DIA.X 2 1/4"	4"	4"	4 1/2"	3/4"	1 1/8"	5/8"	2 1/4"	1 1/32"	1/2"	47
W8X18	5/8"DIA.X 4 1/2"	13 1/2"	6 1/2"	1 1/4"	7/8"	4 3/4"	1 1/2"	1 1/32"	13 1/2"	6 1/2"	1 1/4"	7/8"	4 3/4"	1 1/32"	28 GAUGE	5/8"DIA.X 2 1/4"	5 1/4"	4"	4 1/2"	1"	1 1/8"	5/8"	2 1/4"	1 1/32"	1/2"	70
W8X21	3/4"DIA.X 4 1/2"	14"	7"	1 1/2"	1"	5"	1 1/2"	1 3/32"	14"	7"	1 1/2"	1"	5"	1 3/32"	28 GAUGE	3/4"DIA.X 2 1/2"	5 1/4"	6"	7"	1"	1 3/4"	3/4"	3 1/2"	1 3/32"	1/2"	73
W10X22	3/4"DIA.X 4 1/2"	16"	8"	1 1/2"	1"	6"	1 1/2"	1 3/32"	16"	8"	1 1/2"	1"	6"	1 3/32"	28 GAUGE	3/4"DIA.X 2 1/2"	5 3/4"	6"	7"	1"	1 3/4"	3/4"	3 1/2"	1 3/32"	1/2"	119
W10X26	3/4"DIA.X 5 1/2"	16 1/2"	8"	1 1/2"	1"	6"	1 3/4"	1 3/32"	16 1/2"	8"	1 1/2"	1"	6"	1 3/32"	28 GAUGE	3/4"DIA.X 2 3/4"	5 3/4"	6"	7"	1"	1 3/4"	3/4"	3 1/2"	1 3/32"	5/8"	140
W12X26	3/4"DIA.X 5 1/2"	18 1/2"	9"	1 1/2"	1"	7"	1 3/4"	1 3/32"	18 1/2"	9"	1 1/2"	1"	7"	1 3/32"	28 GAUGE	3/4"DIA.X 2 3/4"	6 1/2"	6"	7"	1"	1 3/4"	3/4"	3 1/2"	1 3/32"	5/8"	176
W14X30	1"DIA.X 6"	22"	9"	2"	1 1/2"	6"	2"	1 7/32"	22"	9"	2"	1 1/2"	6"	1 7/32"	28 GAUGE	1"DIA.X 3"	6 3/4"	7"	8"	1 1/4"	2"	1"	4"	1 7/32"	5/8"	205
W16X31	1"DIA.X 6"	24"	9"	2"	1 1/2"	6"	2"	1 7/32"	24"	9"	2"	1 1/2"	6"	1 7/32"	28 GAUGE	1"DIA.X 3"	5 1/2"	7"	8"	1 1/4"	2"	1"	4"	1 7/32"	3/4"	223
W18X35	1"DIA.X 6"	25"	9"	2"	1 1/2"	6"	2"	1 7/32"	25"	9"	2"	1 1/2"	6"	1 7/32"	28 GAUGE	1"DIA.X 3"	6"	7"	8"	1 1/4"	2"	1"	4"	1 7/32"	3/4"	243
W18X40	1"DIA.X 6 1/2"	26"	9"	2"	1 1/2"	6"	2 1/4"	1 7/32"	26"	9"	2"	1 1/2"	6"	1 7/32"	28 GAUGE	1"DIA.X 3 1/2"	6"	7"	8"	1 1/4"	2"	1"	4"	1 7/32"	7/8"	278
W21X44	1"DIA.X 7"	29"	9"	2"	1 1/2"	6"	2 1/2"	1 7/32"	29"	9"	2"	1 1/2"	6"	1 7/32"	28 GAUGE	1"DIA.X 3 1/2"	6 1/2"	7"	8"	1 1/4"	2"	1"	4"	1 7/32"	7/8"	310



FOOTING DIAMETER	REINFORCEMENT	SPIRAL BAR	SPACED BAR
1'-6"	8 # 6 BARS	#3 BAR, 6" PITCH	#3 BAR, 6" SPACE
2'	8 # 7 BARS	#3 BAR, 6" PITCH	#3 BAR, 6" SPACE
2'-6"	8 # 9 BARS	#3 BAR, 6" PITCH	#3 BAR, 6" SPACE
3'	8 # 11 BARS	#3 BAR, 6" PITCH	#3 BAR, 6" SPACE
3'-6"	8 # 12 BARS	#3 BAR, 6" PITCH	#3 BAR, 6" SPACE
4'	8 # 14 BARS	#3 BAR, 6" PITCH	#3 BAR, 6" SPACE

* FOUNDATION DIMENSIONS ARE SHOWN IN PLANS

SHEET 2 OF 3
903D10

STATE OF NORTH CAROLINA
 DEPT. OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 RALEIGH, N.C.

5-20

ENGLISH DETAIL DRAWING FOR
GROUND MOUNTED SIGN SUPPORTS

SHEET 2 OF 3
903D10


**REVISED SIGNING
ROADWAY STANDARD DRAWING**

TIP NO. U-2579AA DocuSigned by: **Matthew V. Springer** SHEET NO. SIGN-4C

APPROVED: 6/23/2021 10:44:03

DATE: 6/23/2021

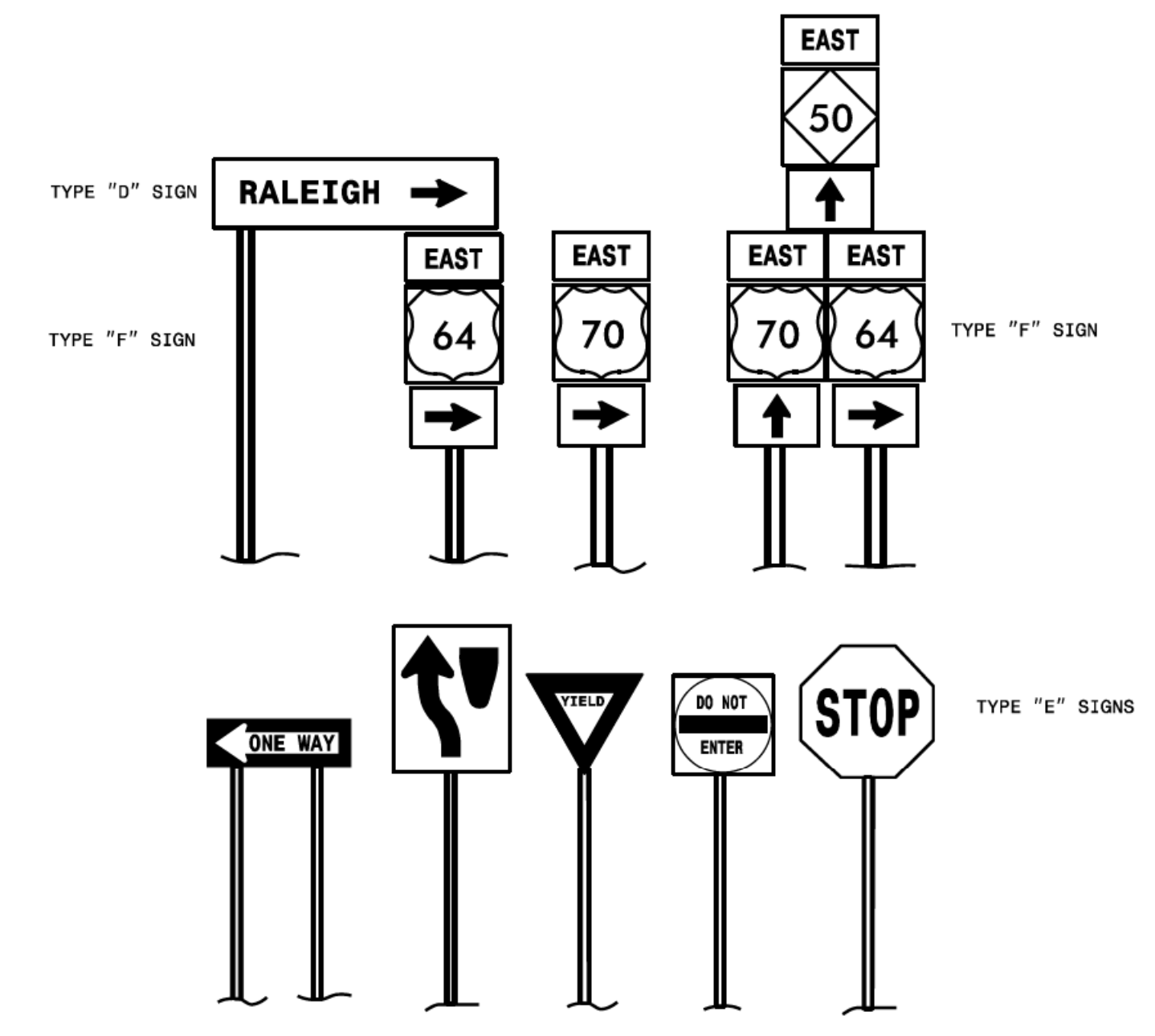
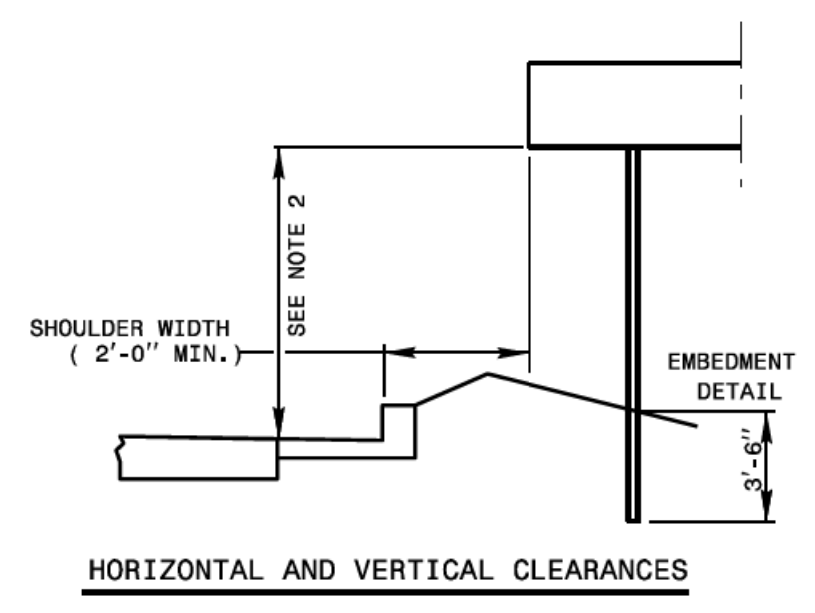
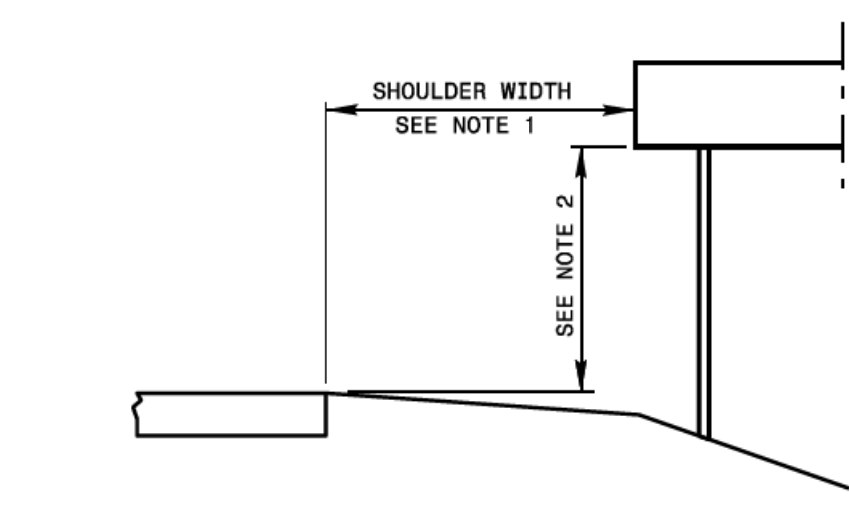
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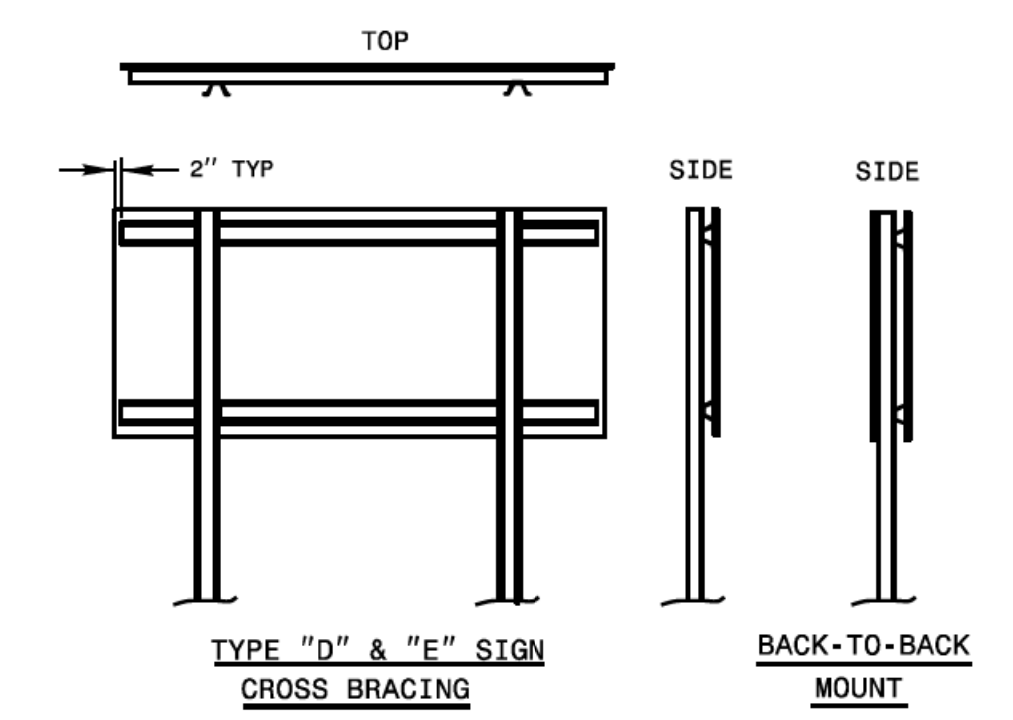
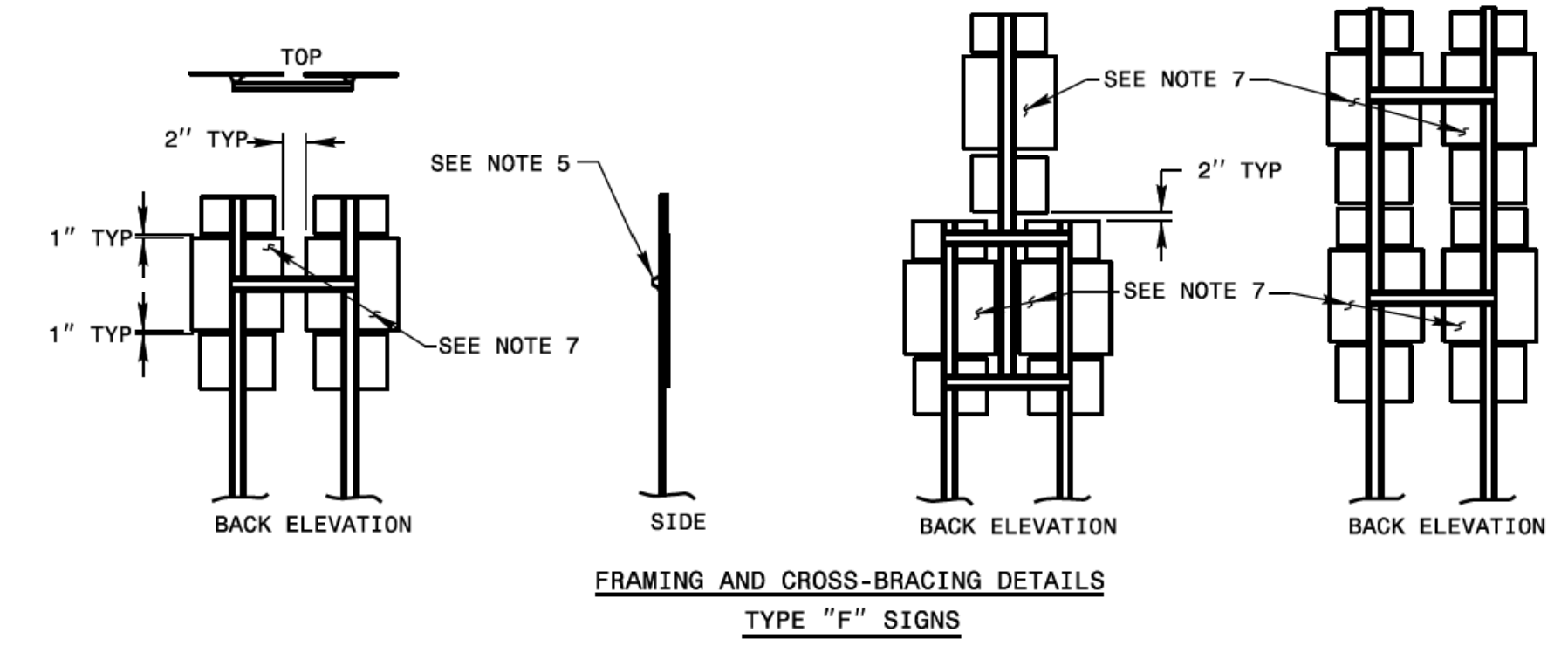
STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

6-21

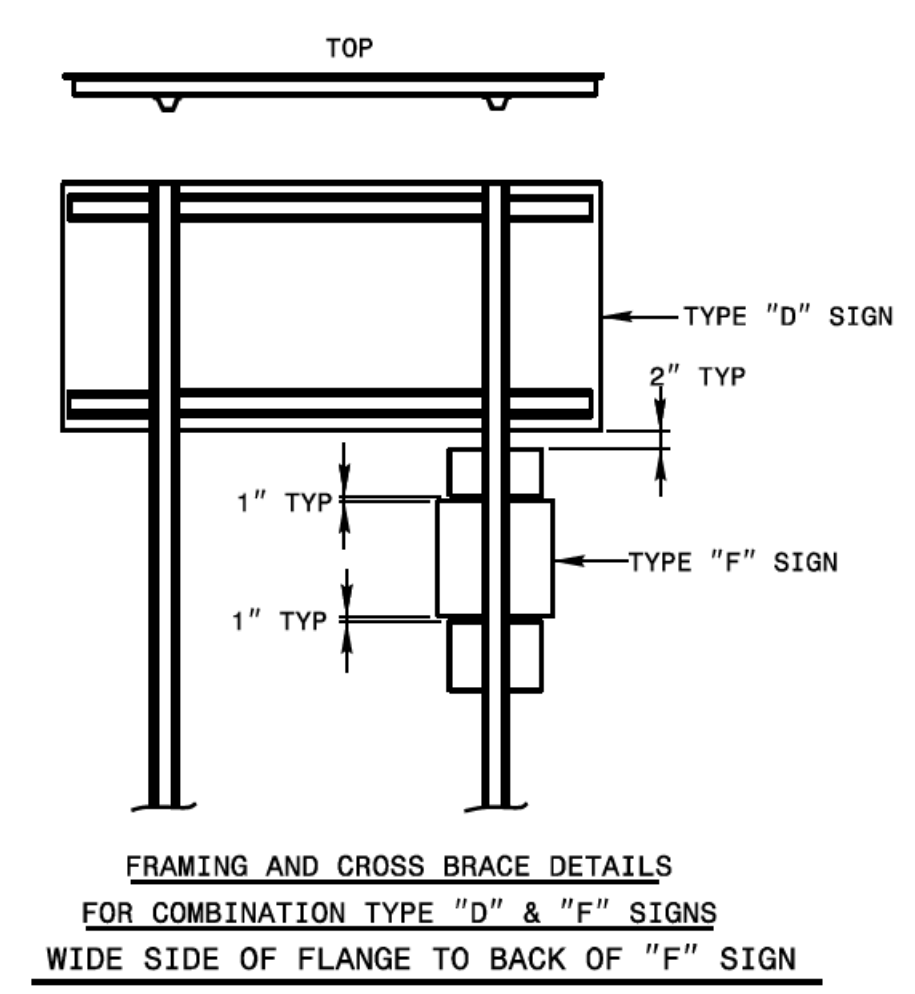
ENGLISH DETAIL DRAWING FOR
MOUNTING OF
TYPE 'D', 'E' AND 'F' SIGNS
ON 'U' CHANNEL POSTS



TYPICAL SIGN SHAPES AND COMBINATIONS



FRAMING AND CROSS BRACE DETAILS
FOR COMBINATION TYPE "D" & "E" SIGNS
WIDE SIDE OF CROSS BRACE GOES TO BACK OF SIGN



FRAMING AND CROSS BRACE DETAILS
FOR COMBINATION TYPE "D" & "F" SIGNS
WIDE SIDE OF FLANGE TO BACK OF "F" SIGN

NOTES:

1. ERECT TYPE "D", "E", AND "F" SIGNS ON FREEWAYS WITH THE NEAR EDGE OF THE SIGN 20 FT. FROM THE TRAVEL LANE. ERECT ALL OTHER "D", "E", AND "F" SIGNS WITH THE NEAR EDGE OF THE SIGN AT THE EDGE OF THE SHOULDER BREAK (6 FT. MINIMUM CLEARANCE, 12 FT. DESIRABLE, FROM THE EDGE OF TRAVEL LANE), OR AS DIMENSIONED ON PLAN SHEETS.
2. ERECT TYPE "D", "E", AND "F" SIGNS WITH THE BOTTOM OF SIGN ASSEMBLY AT LEAST 7 FT. ABOVE THE EDGE OF THE TRAVEL LANE ON ROADS WITH 2 OR MORE LANES IN THE SAME DIRECTION AND AT LEAST 5 FT. ON OTHER ROUTES. THE VERTICAL CLEARANCE IS 7 FT. WHERE REQUIRED FOR PEDESTRIAN TRAFFIC AND/OR PARKED VEHICLES.
3. THE VERTICAL DIMENSION BETWEEN MOUNTING HOLE CENTERS ON ALL TYPES "D", "E", AND "F" SIGNS IS 30" MAXIMUM. THE VERTICAL AND HORIZONTAL DIMENSIONS BETWEEN MOUNTING HOLES IS TO THE WHOLE INCH. EACH SIGN PANEL HAS A MINIMUM OF 2 BOLTS PER SUPPORT.
4. ATTACH SIGN W/ 5/16" HEX HEAD BOLT, NYLON WASHER, SHIM, FLAT WASHER, LOCK WASHER, HEX NUT. NO BUCKLING OF THE SIGN WILL BE PERMITTED. SEE ASSEMBLY DETAIL SHEET# 2 OF 904.50.
5. FURNISH AND INSTALL CROSS-BRACING AS SHOWN IN DETAIL. PAINT ENDS OF CROSS BRACES W/ APPROVED. ZINC PAINT
6. INSTALL POST AND CROSS-BRACING WITH THE WIDE SIDE OF THE FLANGE TOWARD THE BACK OF SIGN(S) FOR COMBINATION TYPE "D" AND "F" SIGNS.
7. THE SHIELD HEIGHTS IN THESE ASSEMBLIES CAN NOT BE LARGER THAN 24".
8. IF SIGN ASSEMBLIES REQUIRE MORE THAN TWO U-CHANNEL SUPPORTS, THE SUPPORTS SHALL BE PLACED A MINIMUM OF 4 FT. BETWEEN POSTS. NO MORE THAN TWO POSTS SHALL FALL WITHIN 7 FT. PATH, OR THE SIGN ASSEMBLY MUST BE PLACED BEHIND BARRIER PROTECTION.

STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

6-21

ENGLISH DETAIL DRAWING FOR
MOUNTING OF
TYPE 'D', 'E' AND 'F' SIGNS
ON 'U' CHANNEL POSTS

SHEET 1 OF 2

904D50

REVISED SIGNING
ROADWAY STANDARD DRAWING

APPROVED: _____

DATE: _____



7/12/2022
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

HDR HDR Engineering, Inc. of the Carolinas
555 Fayetteville St, Suite 900 Raleigh, N.C. 27601
N.C.B.E.L.S. License Number: F-0116

SIGN NUMBER: 1A, 2A, 4A & 5A BACKG COLOR: Green COPY COLOR: White
 TYPE: B
 QUANTITY: 4
 SIGN WIDTH: 11'-0"
 HEIGHT: 2'-6"
 TOTAL AREA: 27.5 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 3"
 NO. Z BARS: 2
 LENGTH: 124.0
 MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON CHECKED BY: R KING Oct 20, 2021 DIV: 9
 PROJECT ID: U-2579AA

BORDER R=3" TH=2"

USE NOTES: 1,2
 1. Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
 2. Background shall be Grade C reflective sheeting.

INCREASE "EXIT" SPACING BY 1.20
 Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

	E	X	I	T		Series/Size
						Text Length
	27.3	9.2	11.1	3.8	7.5	73.1
		1	9	6		E 2000
	70.4	7.5	14.7	12.1	27.3	34.3

FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 8A, 11A & 15A BACKG COLOR: Green COPY COLOR: White
 TYPE: B
 QUANTITY: 3
 SIGN WIDTH: 9'-6"
 HEIGHT: 2'-6"
 TOTAL AREA: 23.8 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 3"
 NO. Z BARS: 2
 LENGTH: 106.0
 MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON CHECKED BY: R KING Feb 10, 2022 DIV: 9
 PROJECT ID: U-2579AA

BORDER R=3" TH=2"

USE NOTES: 1,2
 1. Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
 2. Background shall be Grade C reflective sheeting.

INCREASE "EXIT" SPACING BY 1.20
 Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

	E	X	I	T		Series/Size
						Text Length
	31.4	9.2	11.1	3.8	7.5	50.9
		1	9	6		E 2000
	78.1	4.5	31.4			4.5

FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 7A BACKG COLOR: Yellow COPY COLOR: Black
 TYPE: A
 QUANTITY: 1
 SIGN WIDTH: 19'-0"
 HEIGHT: 2'-0"
 TOTAL AREA: 38.0 Sq.Ft.
 BORDER TYPE: RECESSED
 RECESS: 0.63"
 WIDTH: 0.88"
 RADII: 3"
 NO. Z BARS: 2
 LENGTH: 220.0
 MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON CHECKED BY: R KING Dec 01, 2021 DIV: 9
 PROJECT ID: U-2579AA

BORDER R=3" TH=0.63" IN=0.63"

USE NOTES: 1,2
 1. Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
 2. Background shall be Grade C reflective sheeting.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

	R	A	M	P	4	5	M	P	H		Series/Size		
											Text Length		
	44.9	11	14.3	14.4	9.7	12	16.7	12.2	12	14.4	11.8	9.7	44.9
													E 2000
													138.1

FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 12A, 14A & 18A BACKG COLOR: Green COPY COLOR: White
 TYPE: B
 QUANTITY: 3
 SIGN WIDTH: 9'-6"
 HEIGHT: 2'-6"
 TOTAL AREA: 23.8 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 3"
 NO. Z BARS: 2
 LENGTH: 106.0
 MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON CHECKED BY: R KING Feb 10, 2022 DIV: 9
 PROJECT ID: U-2579AA

BORDER R=3" TH=2"

USE NOTES: 1,2
 1. Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
 2. Background shall be Grade C reflective sheeting.

INCREASE "EXIT" SPACING BY 1.20
 Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

	E	X	I	T		Series/Size
						Text Length
	27.6	9.2	11.1	3.8	7.5	54.8
		3				E 2000
	74.2	12.2	27.6			12.2

FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

2:57:47 PM
 2/10/2022
 c:\pwworking\eesat01\cad\79653\U-2579AA-SIGN-5.dgn

SIGN DESIGNS

APPROVED: _____
DATE: _____



**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

HDR HDR Engineering, Inc. of the Carolinas
555 Fayetteville St. Suite 900 Raleigh, N.C. 27601
N.C.B.E.L.S. License Number: F-0116

SIGN NUMBER: 13A, 16A & 19A BACKG COLOR: Green
TYPE: B COPY COLOR: White
QUANTITY: 3

SYMBOL	X	Y	WID	HT

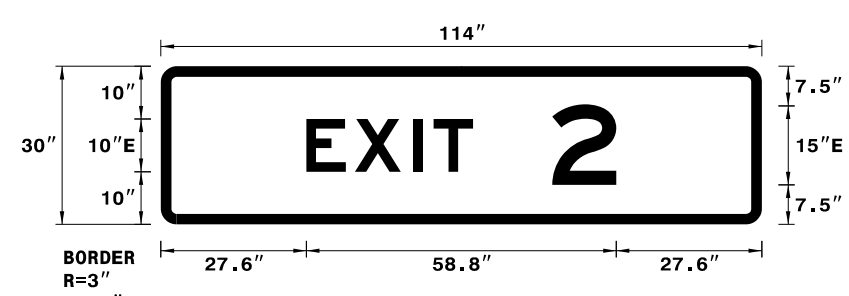
SIGN WIDTH: 9'-6"
HEIGHT: 2'-6"
TOTAL AREA: 23.8 Sq.Ft.

BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADIUS: 3"

NO. Z BARS: 2
LENGTH: 106.0

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON CHECKED BY: R KING Feb 10, 2022
PROJECT ID: U-2579AA DIV: 9



USE NOTES: 1,2

- Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
- Background shall be Grade C reflective sheeting.

INCREASE "EXIT" SPACING BY 1.20
Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter										Series/Size
										Text Length
	E	X	I	T						E 2000
27.6	9.2	11.1	3.8	7.5	54.8					31.6
	2									E 2000
74.2	12.2	27.6								12.2

FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 22A, 28A, 30A & 32A BACKG COLOR: Green
TYPE: B COPY COLOR: White
QUANTITY: 4

SYMBOL	X	Y	WID	HT

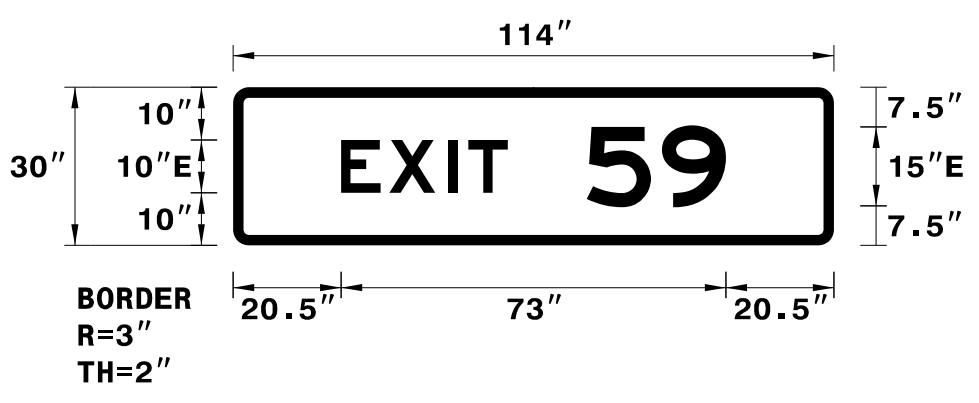
SIGN WIDTH: 9'-6"
HEIGHT: 2'-6"
TOTAL AREA: 23.8 Sq.Ft.

BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADIUS: 3"

NO. Z BARS: 2
LENGTH: 106.0

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON CHECKED BY: R KING Oct 20, 2021
PROJECT ID: U-2579AA DIV: 9



USE NOTES: 1,2

- Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
- Background shall be Grade C reflective sheeting.

INCREASE "EXIT" SPACING BY 1.20
Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter										Series/Size
										Text Length
	E	X	I	T						E 2000
20.5	9.2	11.1	3.8	7.5	61.9					31.6
	5	9								E 2000
67.1	14.2	12.2	20.5							26.4

FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 23A BACKG COLOR: Green
TYPE: A COPY COLOR: White
QUANTITY: 1

SYMBOL	X	Y	WID	HT

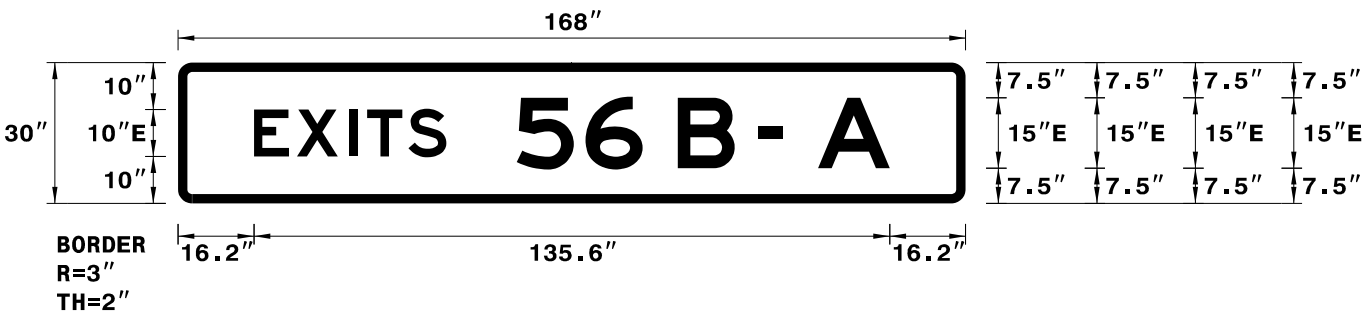
SIGN WIDTH: 14'-0"
HEIGHT: 2'-6"
TOTAL AREA: 35.0 Sq.Ft.

BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADIUS: 3"

NO. Z BARS: 2
LENGTH: 160.0

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON CHECKED BY: R KING Oct 25, 2021
PROJECT ID: U-2579AA DIV: 9



USE NOTES: 1,2

- Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
- Background shall be Grade C reflective sheeting.

INCREASE "EXITS" SPACING BY 1.20
Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter												Series/Size
												Text Length
	E	X	I	T	S							E 2000
16.2	9.2	11.1	3.8	8.8	8.1	110.8						41.1
	5	6		B	-	A						E 2000
72.3	14.7	12.2	7.5	12.2	5	5.3	7.5	15.3	16.2			79.6

FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 24A, 26A, 29A & 33A BACKG COLOR: Green
TYPE: B COPY COLOR: White
QUANTITY: 4

SYMBOL	X	Y	WID	HT

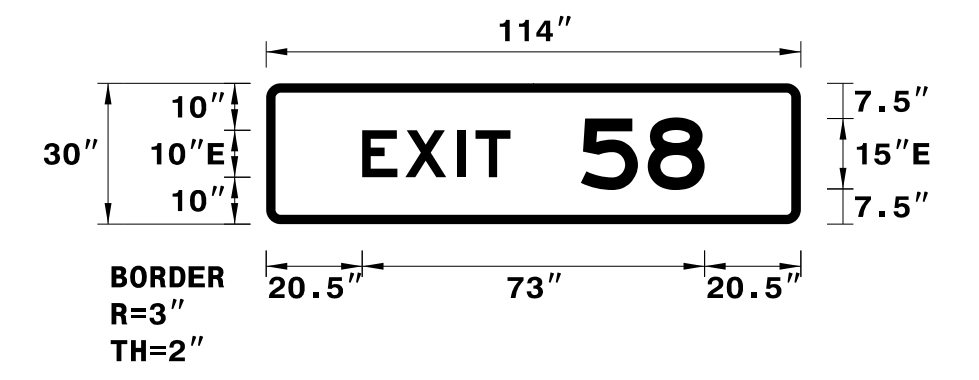
SIGN WIDTH: 9'-6"
HEIGHT: 2'-6"
TOTAL AREA: 23.8 Sq.Ft.

BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADIUS: 3"

NO. Z BARS: 2
LENGTH: 106.0

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON CHECKED BY: R KING Oct 20, 2021
PROJECT ID: U-2579AA DIV: 9



USE NOTES: 1,2

- Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
- Background shall be Grade C reflective sheeting.

INCREASE "EXIT" SPACING BY 1.20
Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter										Series/Size
										Text Length
	E	X	I	T						E 2000
20.5	9.2	11.1	3.8	7.5	61.9					31.6
	5	8								E 2000
67.1	14.3	12.2	20.5							26.4

FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

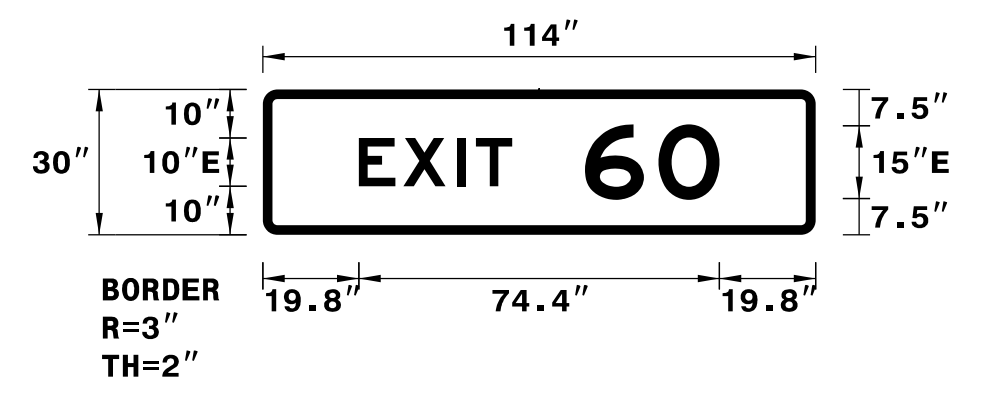
I:\48\45_AW 3/2/2022 c:\pwworking\east01\job779653\U-2579AA_SIGN-5A.dgn

SIGN NUMBER: 27A
 TYPE: B
 QUANTITY: 1
 SIGN WIDTH: 9'-6"
 HEIGHT: 2'-6"
 TOTAL AREA: 23.8 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 3"
 NO. Z BARS: 2
 LENGTH: 106.0

SYMBOL	X	Y	WID	HT

USE NOTES: 1,2
 1. Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
 2. Background shall be Grade C reflective sheeting.

DESIGN BY: R DRAYTON
 CHECKED BY: R KING
 Oct 20, 2021
 DIV: 9
 PROJECT ID: U-2579AA



INCREASE "EXIT" SPACING BY 1.20
 Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

	E	X	I	T		Series/Size	
						Text Length	
	19.8	9.2	11.1	3.8	7.5	62.6	E 2000
	6	0					31.6
	66.4	15.2	12.6	19.8			E 2000
							27.7

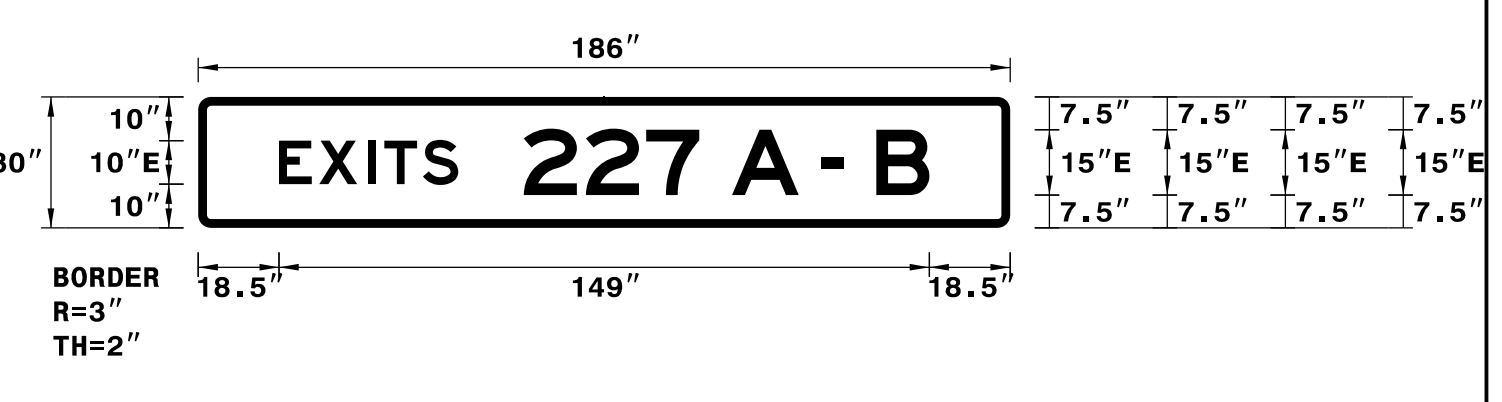
FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 35A & 36A
 TYPE: A
 QUANTITY: 2
 SIGN WIDTH: 15'-6"
 HEIGHT: 2'-6"
 TOTAL AREA: 38.8 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 3"
 NO. Z BARS: 2
 LENGTH: 178.0

SYMBOL	X	Y	WID	HT

USE NOTES: 1,2
 1. Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
 2. Background shall be Grade C reflective sheeting.

DESIGN BY: R DRAYTON
 CHECKED BY: R KING
 Nov 12, 2021
 DIV: 9
 PROJECT ID: U-2579AA



INCREASE "EXITS" SPACING BY 1.20
 Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

	E	X	I	T	S		Series/Size		
							Text Length		
	18.5	9.2	11.1	3.8	8.8	8.1	126.4	E 2000	
	2	2	7		A			41.1	
	74.6	14.3	13.8	12.2	7.5	15.3	5	E 2000	
						5.3	7.5	12.2	18.5
									92.9

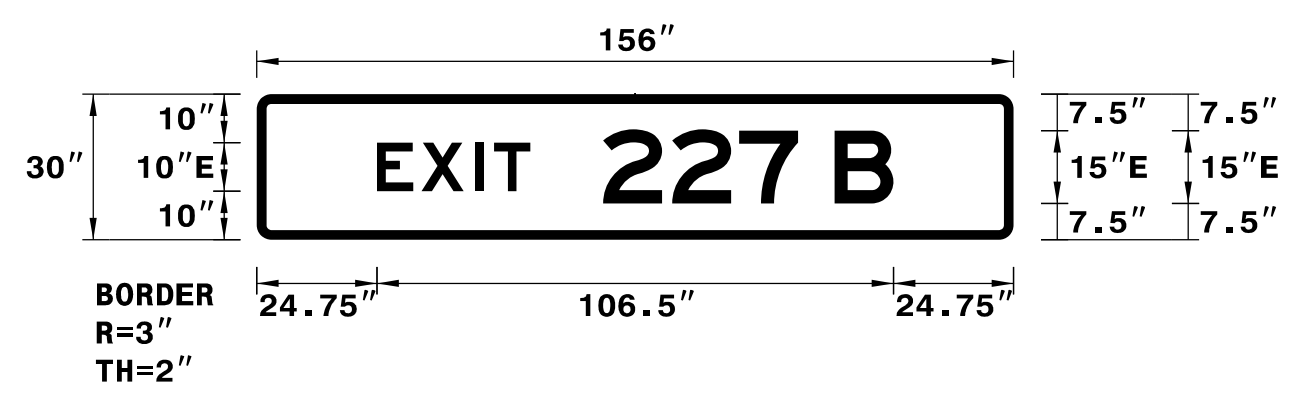
FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 37A, 39A & 44A
 TYPE: A
 QUANTITY: 3
 SIGN WIDTH: 13'-0"
 HEIGHT: 2'-6"
 TOTAL AREA: 32.5 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 3"
 NO. Z BARS: 2
 LENGTH: 148.0

SYMBOL	X	Y	WID	HT

USE NOTES: 1,2
 1. Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
 2. Background shall be Grade C reflective sheeting.

DESIGN BY: R DRAYTON
 CHECKED BY: R KING
 Oct 20, 2021
 DIV: 9
 PROJECT ID: U-2579AA



INCREASE "EXIT" SPACING BY 1.20
 Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

	E	X	I	T		Series/Size	
						Text Length	
	24.8	9.2	11.1	3.8	7.5	99.6	E 2000
	2	2	7		B		31.6
	71.4	14.2	13.8	12.2	7.5	12.2	E 2000
							59.9

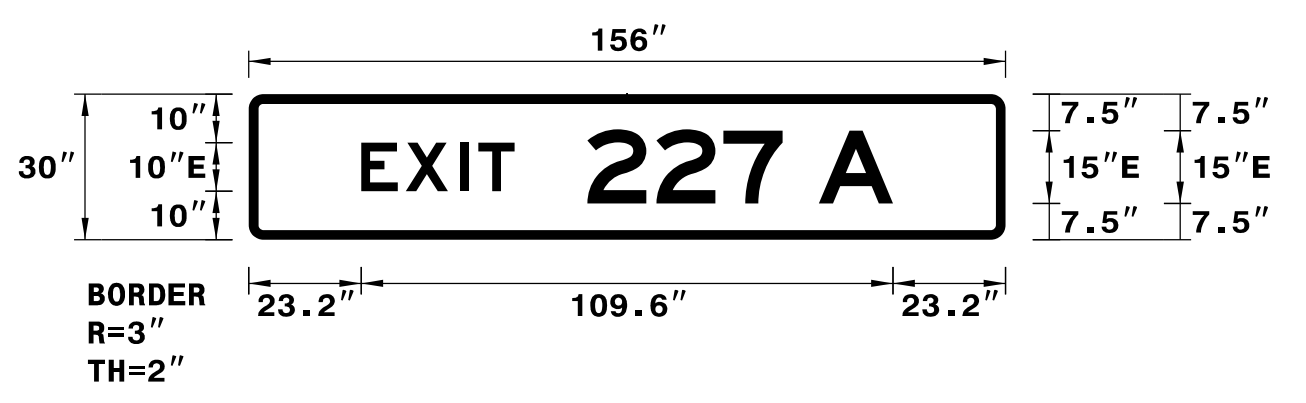
FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 38A, 42A & 43A
 TYPE: A
 QUANTITY: 3
 SIGN WIDTH: 13'-0"
 HEIGHT: 2'-6"
 TOTAL AREA: 32.5 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 3"
 NO. Z BARS: 2
 LENGTH: 148.0

SYMBOL	X	Y	WID	HT

USE NOTES: 1,2
 1. Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
 2. Background shall be Grade C reflective sheeting.

DESIGN BY: R DRAYTON
 CHECKED BY: R KING
 Oct 20, 2021
 DIV: 9
 PROJECT ID: U-2579AA



INCREASE "EXIT" SPACING BY 1.20
 Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

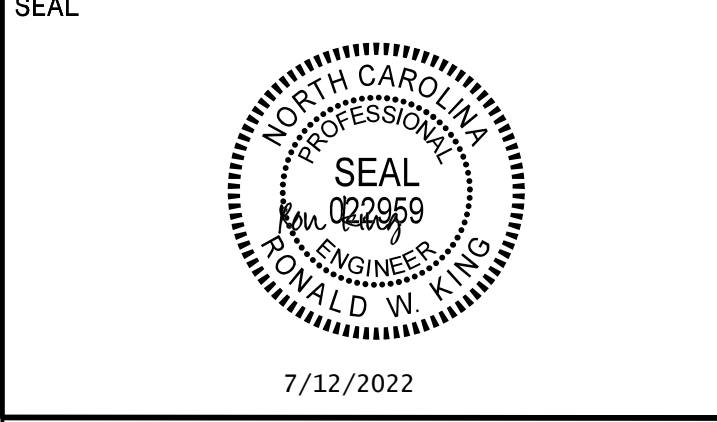
Letter spacings are to start of next letter

	E	X	I	T		Series/Size	
						Text Length	
	23.2	9.2	11.1	3.8	7.5	101.2	E 2000
	2	2	7		A		31.6
	69.8	14.2	13.8	12.2	7.5	15.3	E 2000
							63

FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

APPROVED: _____

DATE: _____



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

HDR Engineering, Inc. of the Carolinas
 555 Fayetteville St, Suite 900 Raleigh, N.C. 27601
 N.C.B.E.L.S. License Number: F-0116

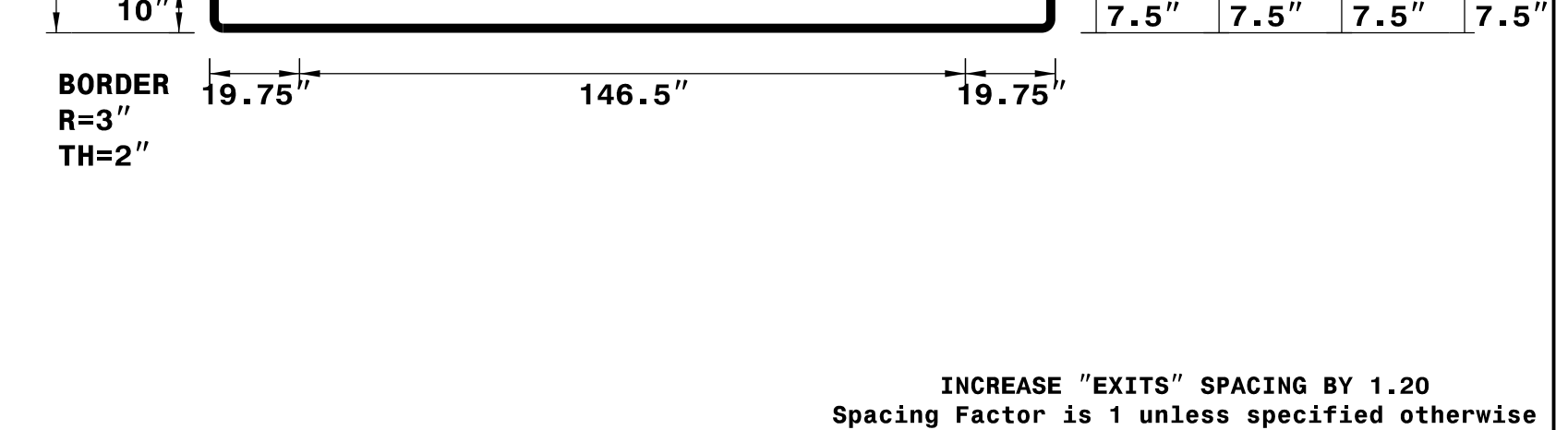
12:48:46 PM 2/17/2022 c:\pwworking\ees\east01\q0779653\U-2579AA-SIGN-5B.dgn

SIGN DESIGNS

SIGN NUMBER: 46A
 TYPE: A
 QUANTITY: 1
 SIGN WIDTH: 15'-6"
 HEIGHT: 2'-6"
 TOTAL AREA: 38.8 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 3"
 NO. Z BARS: 2
 LENGTH: 178.0

DESIGN BY: R DRAYTON
 CHECKED BY: R KING
 PROJECT ID: U-2579AA
 Nov 12, 2021
 DIV: 9

USE NOTES: 1,2
 1. Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
 2. Background shall be Grade C reflective sheeting.



INCREASE "EXITS" SPACING BY 1.20
 Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

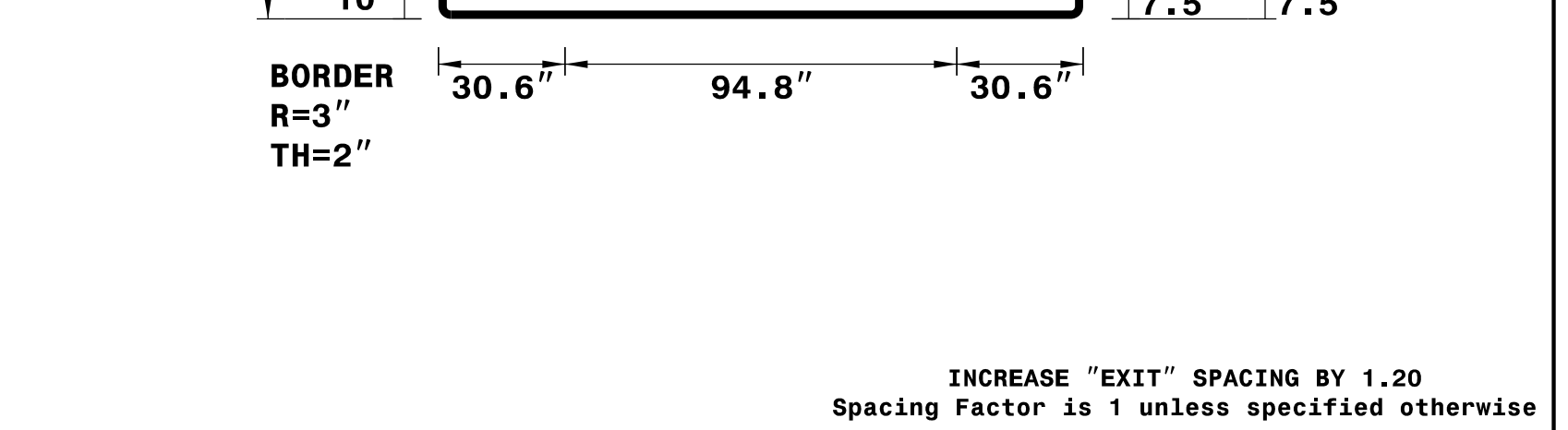
Letter spacings are to start of next letter													Series/Size Text Length
E	X	I	T	S									E 2000 41.1
19.8	9.2	11.1	3.8	8.8	8.1	125.2							
	2	2	7		B	-	A						E 2000 92.9
73.3	14.3	13.8	12.2	7.5	12.2	7.5	5.3	5	15.3	19.8			

FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 3A, 75A, 76A, 77A & 78A
 TYPE: A
 QUANTITY: 5
 SIGN WIDTH: 13'-0"
 HEIGHT: 2'-6"
 TOTAL AREA: 32.5 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 3"
 NO. Z BARS: 2
 LENGTH: 148.0

DESIGN BY: R DRAYTON
 CHECKED BY: R KING
 PROJECT ID: U-2579AA
 Nov 05, 2021
 DIV: 9

USE NOTES: 1,2
 1. Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
 2. Background shall be Grade C reflective sheeting.



INCREASE "EXIT" SPACING BY 1.20
 Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

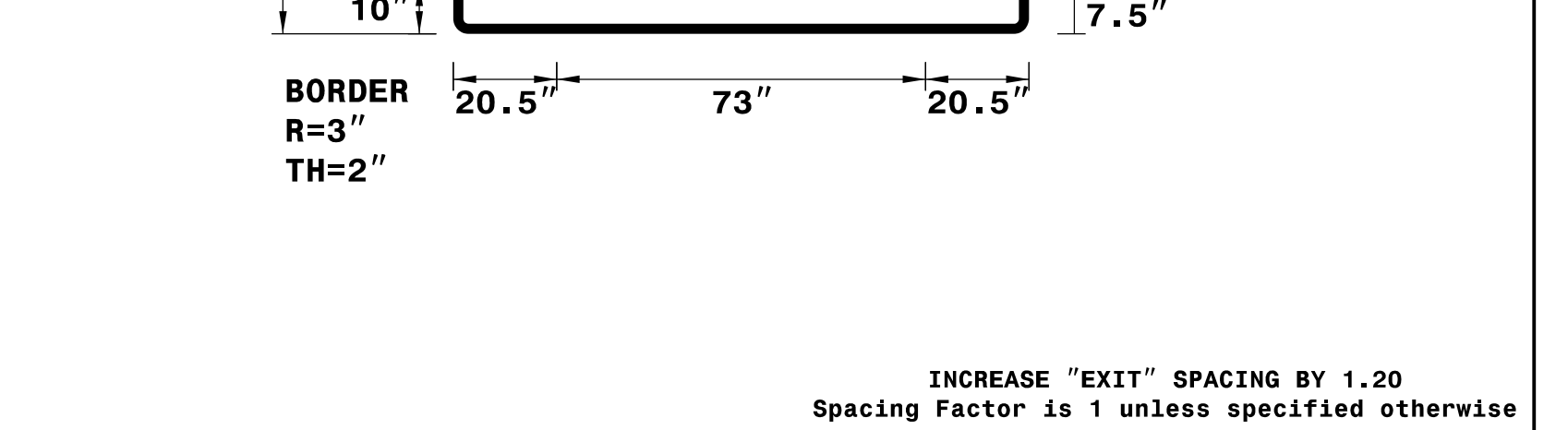
Letter spacings are to start of next letter													Series/Size Text Length
E	X	I	T	B									E 2000 31.6
30.6	9.2	11.1	3.8	7.5	93.8								
	1	1	0		B								E 2000 48.2
77.2	7.9	7.9	12.6	7.5	12.2	30.6							

FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 54A & 55A
 TYPE: B
 QUANTITY: 2
 SIGN WIDTH: 9'-6"
 HEIGHT: 2'-6"
 TOTAL AREA: 23.8 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 3"
 NO. Z BARS: 2
 LENGTH: 106.0

DESIGN BY: R DRAYTON
 CHECKED BY: R KING
 PROJECT ID: U-2579AA
 Oct 20, 2021
 DIV: 9

USE NOTES: 1,2
 1. Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
 2. Background shall be Grade C reflective sheeting.



INCREASE "EXIT" SPACING BY 1.20
 Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Letter spacings are to start of next letter													Series/Size Text Length
E	X	I	T										E 2000 31.6
20.5	9.2	11.1	3.8	7.5	61.9								
	5	3											E 2000 26.4
67.1	14.3	12.2	20.5										

FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN DESIGNS

2:31:27 PM
 2/26/2022
 c:\pwworking\veast01\cad0779653\U-2579AA-SIGN-5C.dgn



APPROVED: _____

DATE: _____

SEAL



7/12/2022

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

HDR HDR Engineering, Inc. of the Carolinas
555 Fayetteville St, Suite 900 Raleigh, N.C. 27601
N.C.B.E.L.S. License Number: F-0116

SIGN NUMBER: 1B BACKG COLOR: Green
TYPE: A COPY COLOR: White
QUANTITY: 1

SYMBOL	X	Y	WID	HT
M1-5-3-24-7C	71	103.7	36	36
ARDOWN	104	8	32	22

SIGN WIDTH: 20'-0"
HEIGHT: 13'-0"
TOTAL AREA: 260.0 Sq.Ft.

BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADIUS: 12"

NO. Z BARS: 4 MAT'L: 0.125" (3.2 mm) ALUMINUM
LENGTH: 232.0

DESIGN BY: R DRAYTON CHECKED BY: R KING
PROJECT ID: U-2579AA
Feb 10, 2022
DIV: 9



USE NOTES: 1, 2, 3 & 4

- Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
- Background shall be Grade C reflective sheeting.
- Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.
- Bottom panel shall be yellow Grade C sheeting on background with black recessed border. THICKNESS: 1.5" RECESS: 0.5"

SIGN NUMBER: 2B BACKG COLOR: Green
TYPE: A COPY COLOR: White
QUANTITY: 1

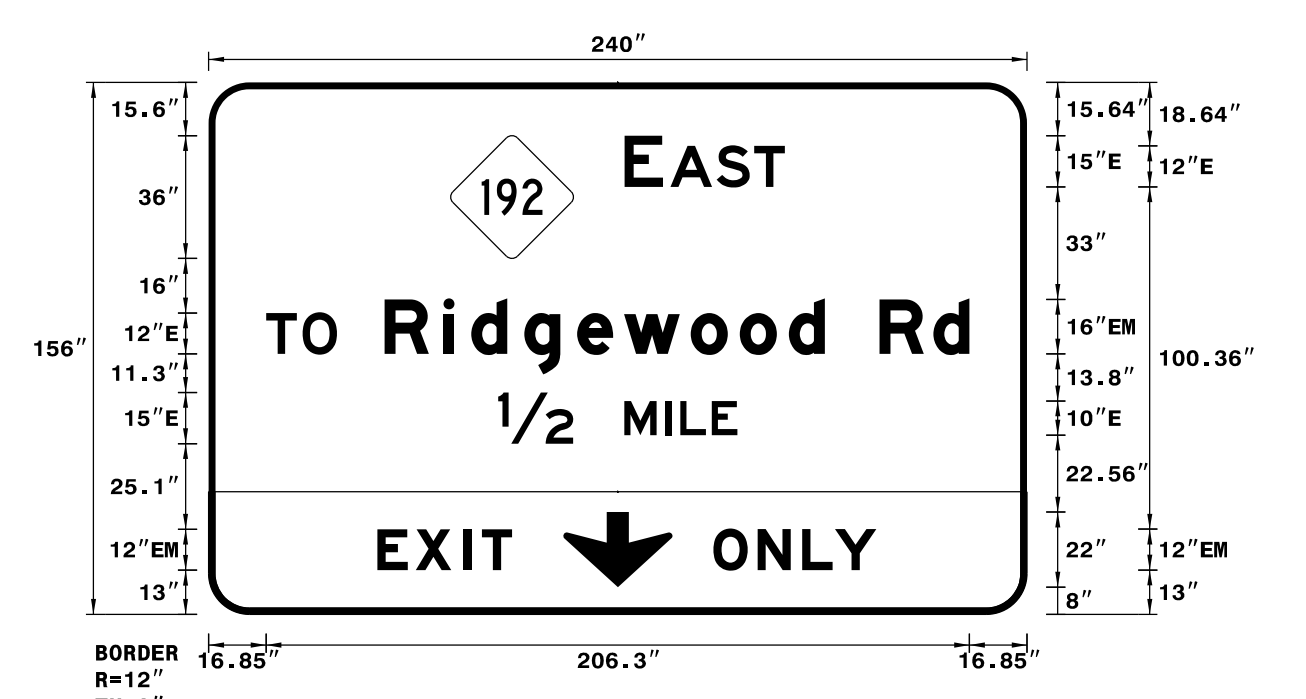
SYMBOL	X	Y	WID	HT
M1-5-3-24-7C	71	104.4	36	36
ARDOWN	104	8	32	22

SIGN WIDTH: 20'-0"
HEIGHT: 13'-0"
TOTAL AREA: 260.0 Sq.Ft.

BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADIUS: 12"

NO. Z BARS: 4 MAT'L: 0.125" (3.2 mm) ALUMINUM
LENGTH: 232.0

DESIGN BY: R DRAYTON CHECKED BY: R KING
PROJECT ID: U-2579AA
Feb 10, 2022
DIV: 9



USE NOTES: 1, 2, 3 & 4

- Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
- Background shall be Grade C reflective sheeting.
- Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.
- Bottom panel shall be yellow Grade C sheeting on background with black recessed border. THICKNESS: 1.5" RECESS: 0.5"

INCREASE "EXIT" SPACING BY 1.40
Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length	E	A	S	T
E 2000	47.1	122	11.3	2.2	13.6
E 2000	20.8	16.9	10.7	10.1	202.4
EM 2000	171.5	51.6	17.3	8.2	15.5
E 2000	91.6	74.2	4.5	7.5	22
EM 2000	39.5	49.5	11.2	14	5.4
EM 2000	47.8	148	13	13.1	9.6

FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length	E	A	S	T
E 2000	47.1	122	11.3	2.2	13.6
E 2000	20.8	16.9	10.7	10.1	202.4
EM 2000	171.5	51.6	17.3	8.2	15.5
E 2000	70.1	85	22	15	12
EM 2000	39.5	49.5	11.2	14	5.4
EM 2000	47.8	148	13	13.1	9.6

FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 3B BACKG COLOR: Green
TYPE: A COPY COLOR: White
QUANTITY: 1

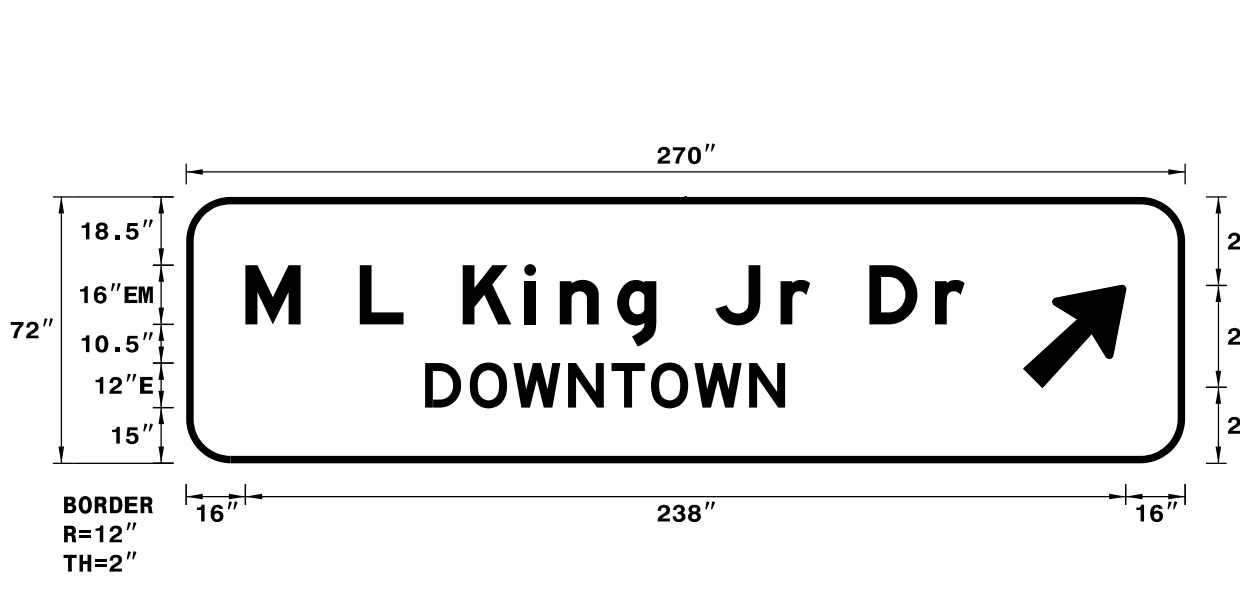
SYMBOL	X	Y	WID	HT
AR_Type A	226.4	20.5	22.2	35

SIGN WIDTH: 22'-6"
HEIGHT: 6'-0"
TOTAL AREA: 135.0 Sq.Ft.

BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADIUS: 12"

NO. Z BARS: 2 MAT'L: 0.125" (3.2 mm) ALUMINUM
LENGTH: 262.0

DESIGN BY: R DRAYTON CHECKED BY: R KING
PROJECT ID: U-2579AA
Feb 01, 2022
DIV: 9



USE NOTES: 1, 2 & 3

- Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
- Background shall be Grade C reflective sheeting.
- Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

SIGN NUMBER: 4B BACKG COLOR: Green
TYPE: A COPY COLOR: White
QUANTITY: 1

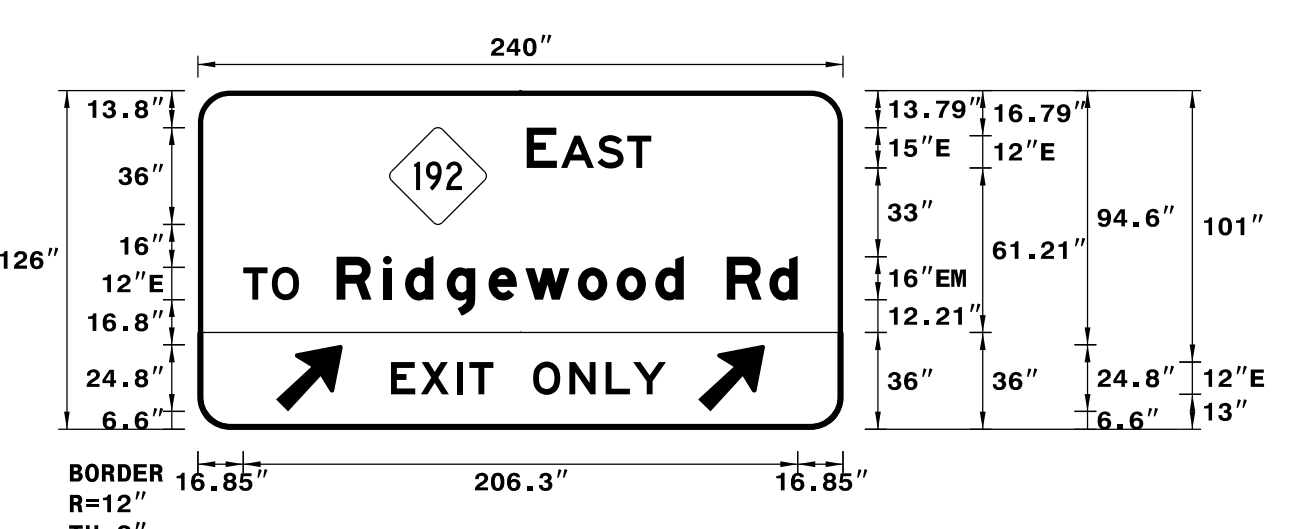
SYMBOL	X	Y	WID	HT
M1-5-3-24-7C	71.3	76.2	36	36
AR_Type A	29	6.6	20	31.5
AR_Type A	186.2	6.6	20	31.5

SIGN WIDTH: 20'-0"
HEIGHT: 10'-6"
TOTAL AREA: 210.0 Sq.Ft.

BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADIUS: 12"

NO. Z BARS: 3 MAT'L: 0.125" (3.2 mm) ALUMINUM
LENGTH: 232.0

DESIGN BY: R DRAYTON CHECKED BY: R KING
PROJECT ID: U-2579AA
Oct 20, 2021
DIV: 9



USE NOTES: 1, 2, 3 & 4

- Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
- Background shall be Grade C reflective sheeting.
- Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.
- Bottom panel shall be yellow Grade C sheeting on background with black recessed border. THICKNESS: 1.5" RECESS: 0.5"

INCREASE "EXIT" SPACING BY 1.40
Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length	M	L	K	I	n	g	J	r	D	r
EM 2000	194.4	16	14.9	16	11.8	16	16.6	9.6	15.5	10.6	16
E 2000	97.3	64.6	12.1	11.8	14.8	11.8	10.7	11.8	14.8	9.7	108.1

FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length	E	A	S	T
E 2000	46.4	122.3	11.3	1.5	13.6
E 2000	20.8	16.9	10.7	10.1	202.4
EM 2000	171.5	51.6	17.3	8.2	15.5
E 2000	102.3	71.8	11.1	13.4	4.7

FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

11:04:54 AM
2/16/2022
c:\pwworking\veast\0779653\U-2579AA-SIGN-5.dgn

TIP NO. U-2579AA	SHEET NO. SIGN-5E
APPROVED: _____	
DATE: _____	
7/12/2022	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
HDR Engineering, Inc. of the Carolinas 555 Fayetteville St, Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116	

SIGN NUMBER: 5B **BACKG COLOR:** Green
TYPE: A **COPY COLOR:** White
QUANTITY: 1

SYMBOL	X	Y	WID	HT
M1-5-3-24-7C	70.5	44.2	36	36
AR_Type A	238.4	34.4	22.2	35

SIGN WIDTH: 23'-6"
HEIGHT: 8'-0"
TOTAL AREA: 188.0 Sq.Ft.

BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 12"

NO. Z BARS: 3
LENGTH: 274.0

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON **CHECKED BY:** R KING **Oct 20, 2021**
PROJECT ID: U-2579AA **DIV:** 9

BORDER
 R=12"
 TH=2"

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
E 2000	46.4
T 2000	20.8
EM 2000	171.5

FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 7B & 10 **BACKG COLOR:** Green
TYPE: A **COPY COLOR:** White
QUANTITY: 2

SYMBOL	X	Y	WID	HT
M1_1	64.1	106.5	36	36
ARDOWN	26	16.5	32	22
ARDOWN	170	16.5	32	22

SIGN WIDTH: 19'-0"
HEIGHT: 13'-0"
TOTAL AREA: 247.0 Sq.Ft.

BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 12"

NO. Z BARS: 4
LENGTH: 220.0

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON **CHECKED BY:** R KING **Nov 12, 2021**
PROJECT ID: U-2579AA **DIV:** 9

BORDER
 R=12"
 TH=2"

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
E 2000	48.8
EM 2000	194.2
EM 2000	138.1

FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 8B **BACKG COLOR:** Green
TYPE: A **COPY COLOR:** White
QUANTITY: 1

SYMBOL	X	Y	WID	HT
M1_1	38.3	80.1	36	36
AR_Type A	68.9	5	22.6	35.6

SIGN WIDTH: 14'-6"
HEIGHT: 11'-0"
TOTAL AREA: 159.5 Sq.Ft.

BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 12"

NO. Z BARS: 3
LENGTH: 166.0

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON **CHECKED BY:** R KING **Feb 10, 2022**
PROJECT ID: U-2579AA **DIV:** 9

BORDER
 R=12"
 TH=2"

INCREASE "EXIT" SPACING BY 1.40
 Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
E 2000	46.4
EM 2000	139.7
EM 2000	39.5
EM 2000	47.8

FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN DESIGNS

H:\06\13 AM 2/16/2022
 c:\pwworking\veast\01\40779653\U-2579AA-SIGN-5E.dgn

APPROVED: _____
DATE: _____



7/12/2022
**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

HDR HDR Engineering, Inc. of the Carolinas
555 Fayetteville St. Suite 900 Raleigh, N.C. 27601
N.C.B.E.L.S. License Number: F-0116

SIGN NUMBER: 12B TYPE: A QUANTITY: 1 SIGN WIDTH: 14'-0" HEIGHT: 10'-0" TOTAL AREA: 140.0 Sq.Ft.	BACKG COLOR: Green COPY COLOR: White SYMBOL X Y WID HT M1_1 34.1 68.9 36 36	DESIGN BY: R DRAYTON PROJECT ID: U-2579AA	CHECKED BY: R KING Oct 20, 2021 DIV: 9
--	--	--	--

USE NOTES: 1, 2 & 3

- Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
- Background shall be Grade C reflective sheeting.
- Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
E 2000	48.8
EM 2000	133.3
E 2000	52.6

FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 11B TYPE: A QUANTITY: 1 SIGN WIDTH: 15'-6" HEIGHT: 13'-0" TOTAL AREA: 201.5 Sq.Ft.	BACKG COLOR: Green COPY COLOR: White SYMBOL X Y WID HT M1_1 44.3 104.1 36 36 ARDOWN 77 8 32 22	DESIGN BY: R DRAYTON PROJECT ID: U-2579AA	CHECKED BY: R KING Feb 10, 2022 DIV: 9
--	--	--	--

USE NOTES: 1, 2, 3 & 4

- Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
- Background shall be Grade C reflective sheeting.
- Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.
- Bottom panel shall be yellow Grade C sheeting on background with black recessed border. THICKNESS: 1.5" RECESS: 0.5"

INCREASE "EXIT" SPACING BY 1.40
Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
E 2000	46.4
EM 2000	139.7
E 2000	70.1
EM 2000	39.5
EM 2000	47.8

FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 13B TYPE: A QUANTITY: 1 SIGN WIDTH: 21'-0" HEIGHT: 5'-0" TOTAL AREA: 105.0 Sq.Ft.	BACKG COLOR: Green COPY COLOR: White SYMBOL X Y WID HT AR_Type A 206 16.2 22.2 35	DESIGN BY: R DRAYTON PROJECT ID: U-2579AA	CHECKED BY: R KING Oct 20, 2021 DIV: 9
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USE NOTES: 1, 2 & 3

- Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
- Background shall be Grade C reflective sheeting.
- Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
EM 2000	171.5

FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

1:54:55 AM 3/2/2022 c:\pwworking\east01\d0779653\U-2579AA-SIGN-5L.dgn

APPROVED: _____

DATE: _____

SEAL



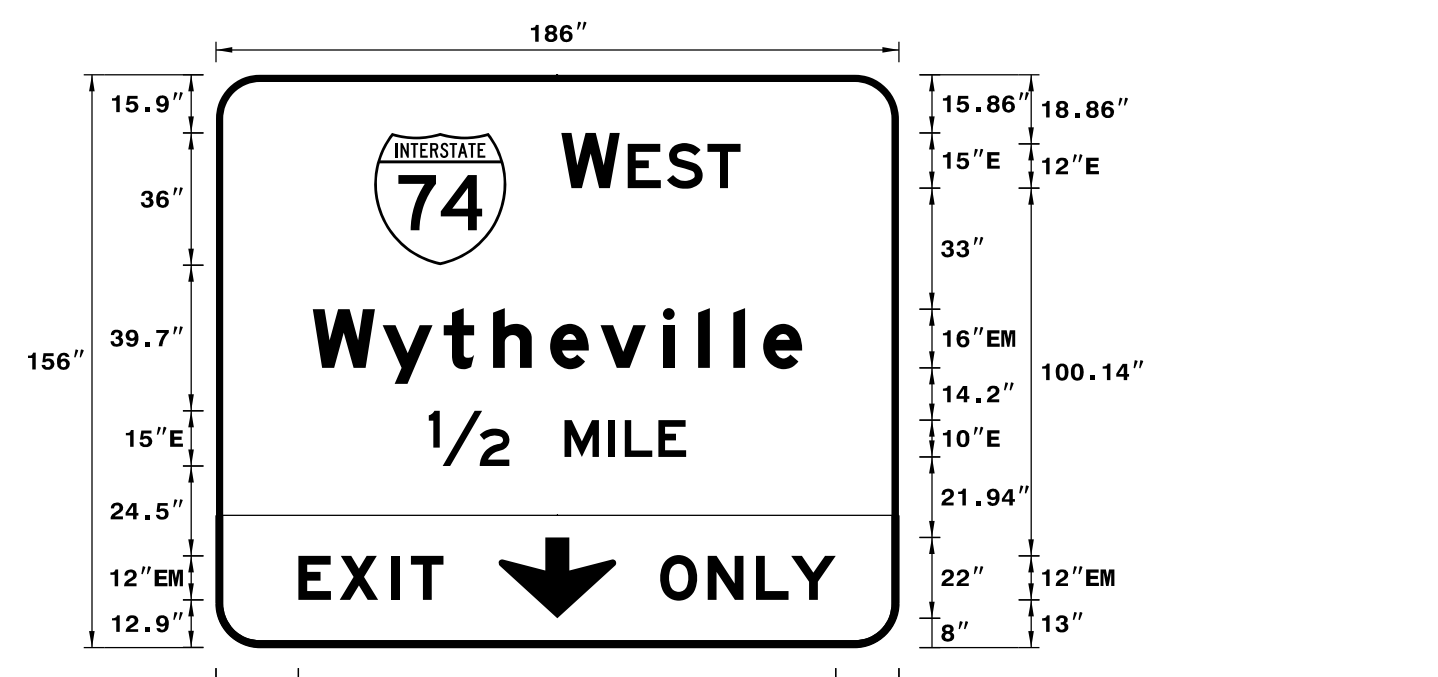
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

HDR HDR Engineering, Inc. of the Carolinas
 555 Fayetteville St, Suite 900 Raleigh, N.C. 27601
 N.C.B.E.L.S. License Number: F-0116

SIGN NUMBER: 14B
 TYPE: A
 QUANTITY: 1
 SIGN WIDTH: 15'-6"
 HEIGHT: 13'-0"
 TOTAL AREA: 201.5 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 12"
 NO. Z BARS: 4
 LENGTH: 178.0

SYMBOL	X	Y	WID	HT
M1_1	43.1	104.1	36	36
ARDOWN	77	8	32	22

DESIGN BY: R DRAYTON
 PROJECT ID: U-2579AA
 CHECKED BY: R KING
 Feb 10, 2022
 DIV: 9



USE NOTES: 1, 2, 3 & 4
 1. Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
 2. Background shall be Grade C reflective sheeting.
 3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.
 4. Bottom panel shall be yellow Grade C sheeting on background with black recessed border.
 THICKNESS: 1.5" RECESS: 0.5"

LETTER POSITIONS

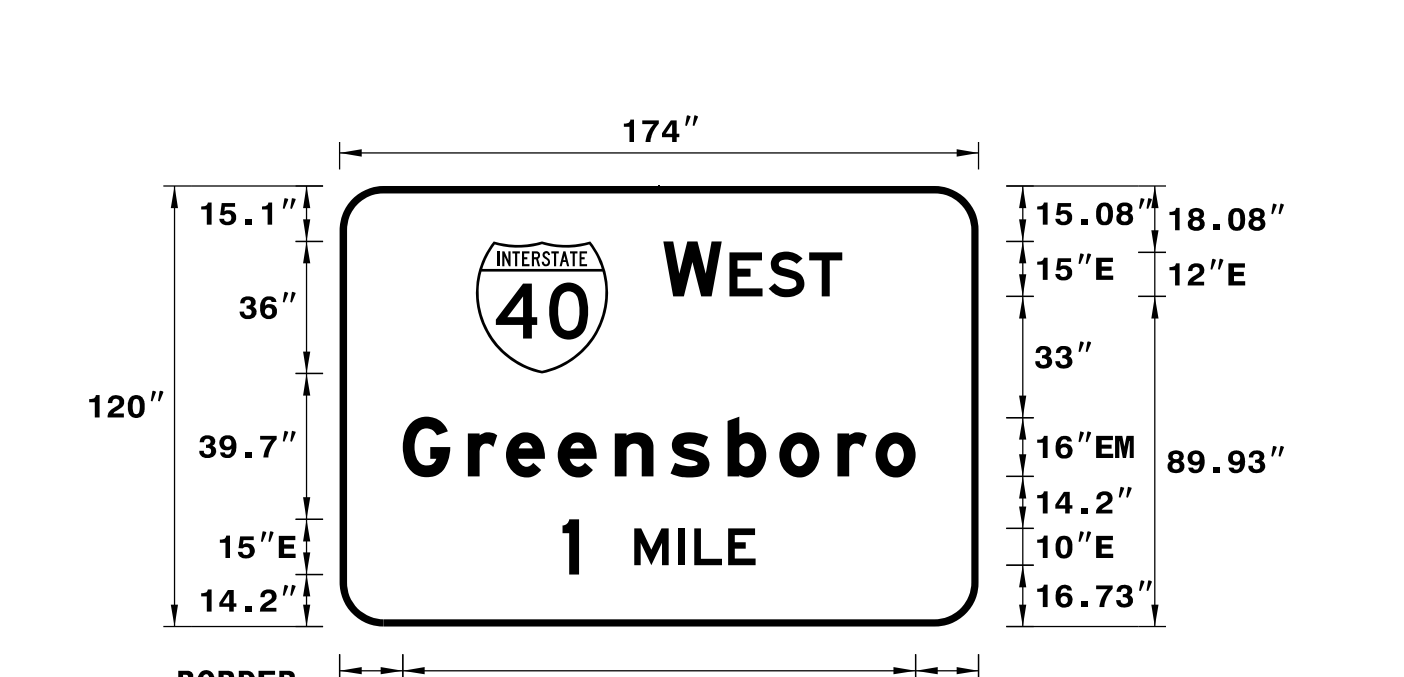
Letter spacings are to start of next letter											Series/Size	
											Text Length	
94.1	15.9	2.2	10.7	11	9	43.1					E 2000	
W y t h e v i l l e											48.8	
26.4	19	16.6	13.4	15.5	13.8	17	9.6	9.6	8.2	10.6	26.4	EM 2000
1/2 M I L E											133.3	
58	22	15	12	4.4	9.2	7.5	58					E 2000
E X I T											70.1	
22.5	11.2	14	5.4	8.9	124							EM 2000
O N L Y											39.5	
121	13	13.1	9.6	12.1	17.2							EM 2000
											47.8	

FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 15B
 TYPE: A
 QUANTITY: 1
 SIGN WIDTH: 14'-6"
 HEIGHT: 10'-0"
 TOTAL AREA: 145.0 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 12"
 NO. Z BARS: 3
 LENGTH: 166.0

SYMBOL	X	Y	WID	HT
M1_1	37.1	68.9	36	36

DESIGN BY: R DRAYTON
 PROJECT ID: U-2579AA
 CHECKED BY: R KING
 Oct 20, 2021
 DIV: 9



USE NOTES: 1, 2 & 3
 1. Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
 2. Background shall be Grade C reflective sheeting.
 3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

LETTER POSITIONS

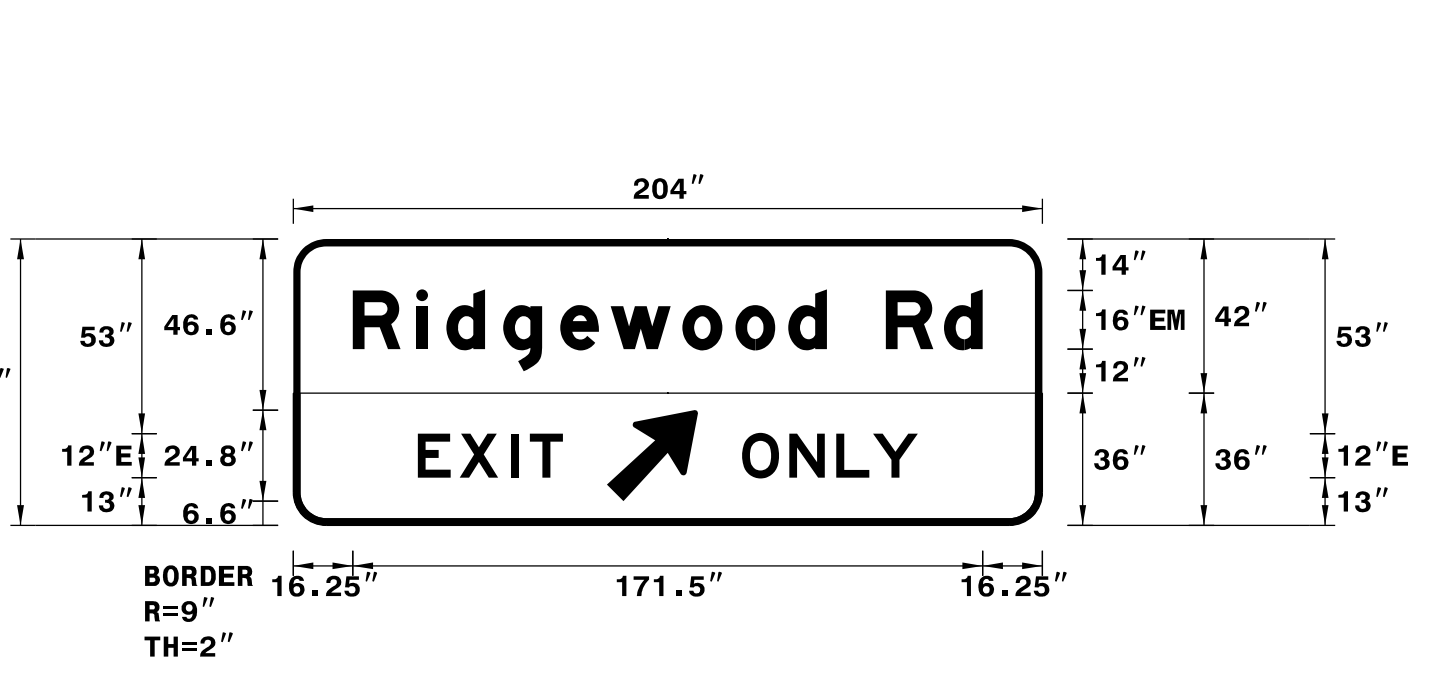
Letter spacings are to start of next letter											Series/Size	
											Text Length	
88.1	15.9	2.2	10.7	11	9	37.1					E 2000	
W y t h e v i l l e											48.8	
17.2	17.8	10.4	14.1	15.5	15.2	15.5	14.1	15.8	10.4	10.9	17.2	EM 2000
G r e e n s b o r o											139.7	
60.7	4.5	15	12	4.4	9.2	7.5	60.7					E 2000
1 M I L E											52.6	

FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 16B
 TYPE: A
 QUANTITY: 1
 SIGN WIDTH: 17'-0"
 HEIGHT: 6'-6"
 TOTAL AREA: 110.5 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 9"
 NO. Z BARS: 2
 LENGTH: 196.0

SYMBOL	X	Y	WID	HT
AR_Type A	85.4	6.6	20	31.5

DESIGN BY: R DRAYTON
 PROJECT ID: U-2579AA
 CHECKED BY: R KING
 Oct 20, 2021
 DIV: 9



USE NOTES: 1, 2, 3 & 4
 1. Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
 2. Background shall be Grade C reflective sheeting.
 3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.
 4. Bottom panel shall be yellow Grade C sheeting on background with black recessed border.
 THICKNESS: 1.5" RECESS: 0.5"

LETTER POSITIONS

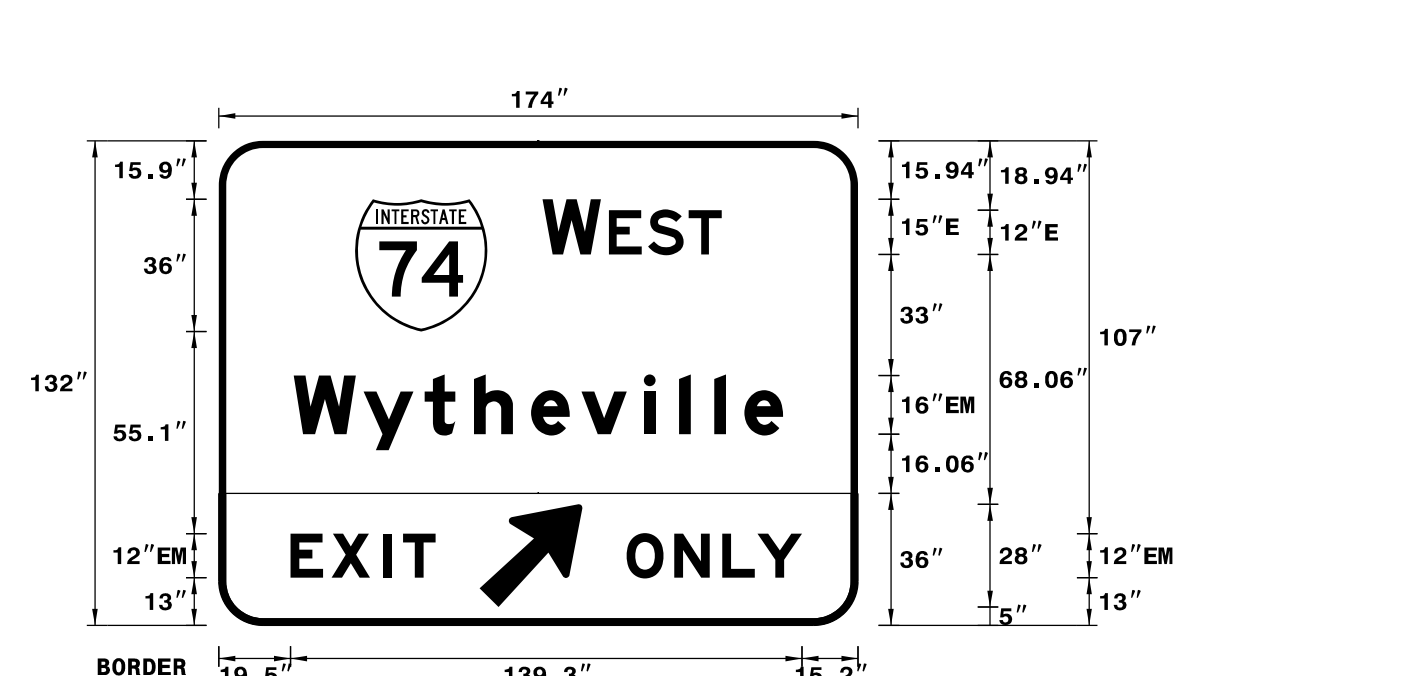
Letter spacings are to start of next letter											Series/Size			
											Text Length			
16.2	17.3	8.2	15.5	15.5	13.8	19.5	14.4	14.4	10.6	16	15.8	10.6	16.2	EM 2000
R i d g e w o o d R d											171.5			
33.9	11.4	13.9	5.1	9	130.6									E 2000
E X I T											39.5			
122.2	12.8	12.8	10	12.2	33.9									E 2000
O N L Y											47.9			

FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 18B
 TYPE: A
 QUANTITY: 1
 SIGN WIDTH: 14'-6"
 HEIGHT: 11'-0"
 TOTAL AREA: 159.5 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 12"
 NO. Z BARS: 3
 LENGTH: 166.0

SYMBOL	X	Y	WID	HT
M1_1	37.1	80.1	36	36
AR_Type A	71	5	22.6	35.6

DESIGN BY: R DRAYTON
 PROJECT ID: U-2579AA
 CHECKED BY: R KING
 Jan 25, 2022
 DIV: 9



USE NOTES: 1, 2, 3 & 4
 1. Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
 2. Background shall be Grade C reflective sheeting.
 3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.
 4. Bottom panel shall be yellow Grade C sheeting on background with black recessed border.
 THICKNESS: 1.5" RECESS: 0.5"

LETTER POSITIONS

Letter spacings are to start of next letter											Series/Size		
											Text Length		
88.1	15.9	2.2	10.7	11	9	37.1					E 2000		
W y t h e v i l l e											48.8		
20.4	19	16.6	13.4	15.5	13.8	17	9.6	9.6	8.2	10.6	20.4	EM 2000	
G r e e n s b o r o											133.3		
19.5	11.2	14	5.4	8.9	115								EM 2000
E X I T											39.5		
111	13	13.1	9.6	12.1	15.2								EM 2000
O N L Y											47.8		

FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

1/10/2022 10:38 AM
 2/16/2022
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APPROVED: _____

DATE: _____

SEAL



7/12/2022

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

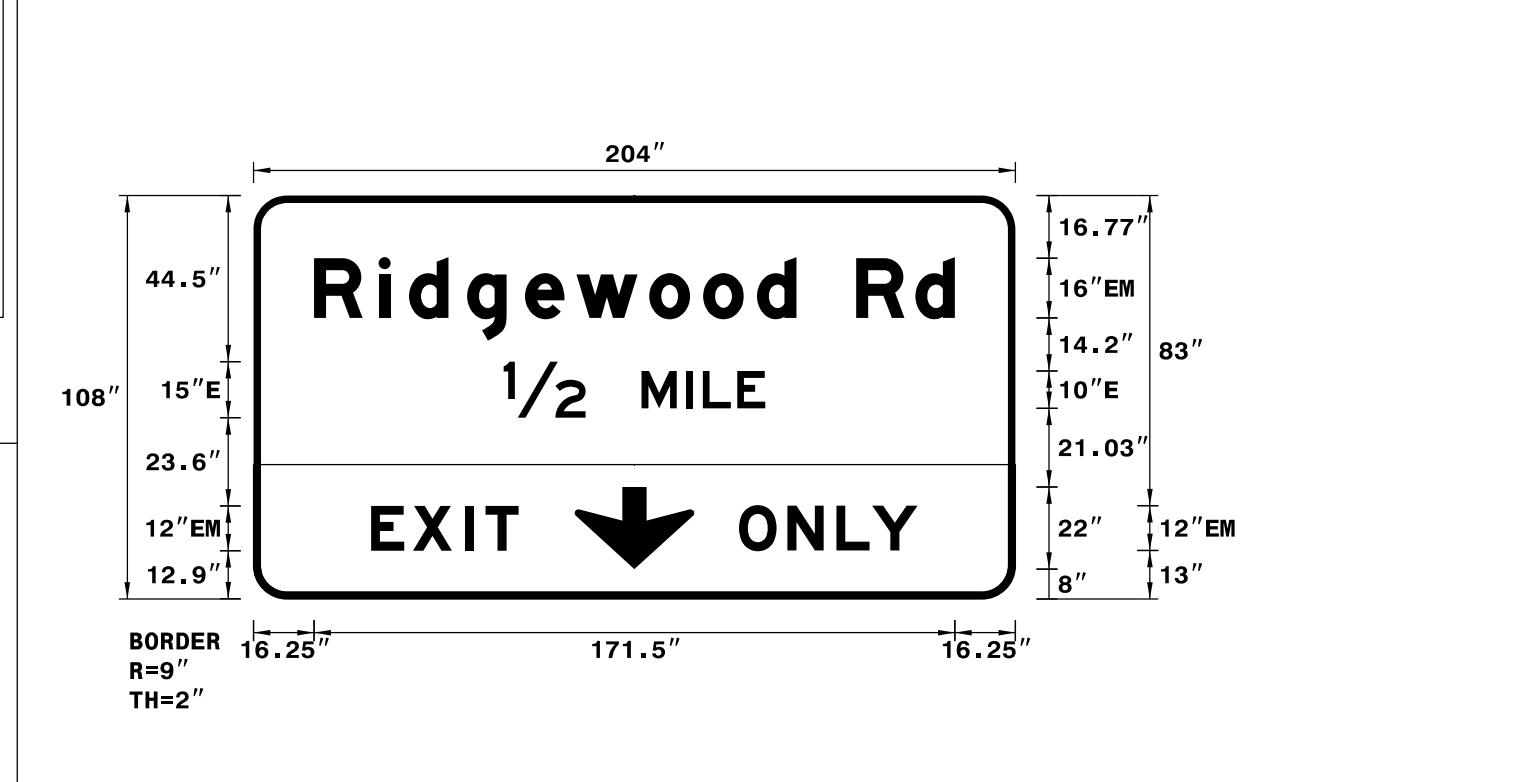
HDR HDR Engineering, Inc. of the Carolinas
555 Fayetteville St, Suite 900 Raleigh, N.C. 27601
N.C.B.E.L.S. License Number: F-0116

SIGN NUMBER: 19B
TYPE: A
QUANTITY: 1
SIGN WIDTH: 17'-0"
HEIGHT: 9'-0"
TOTAL AREA: 153.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 9"
NO. Z BARS: 3
LENGTH: 196.0

SYMBOL	X	Y	WID	HT
ARROWN	86	8	32	22

BACKG COLOR: Green
COPY COLOR: White
MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON
PROJECT ID: U-2579AA
CHECKED BY: R KING
Feb 10, 2022
DIV: 9



USE NOTES: 1, 2, 3 & 4

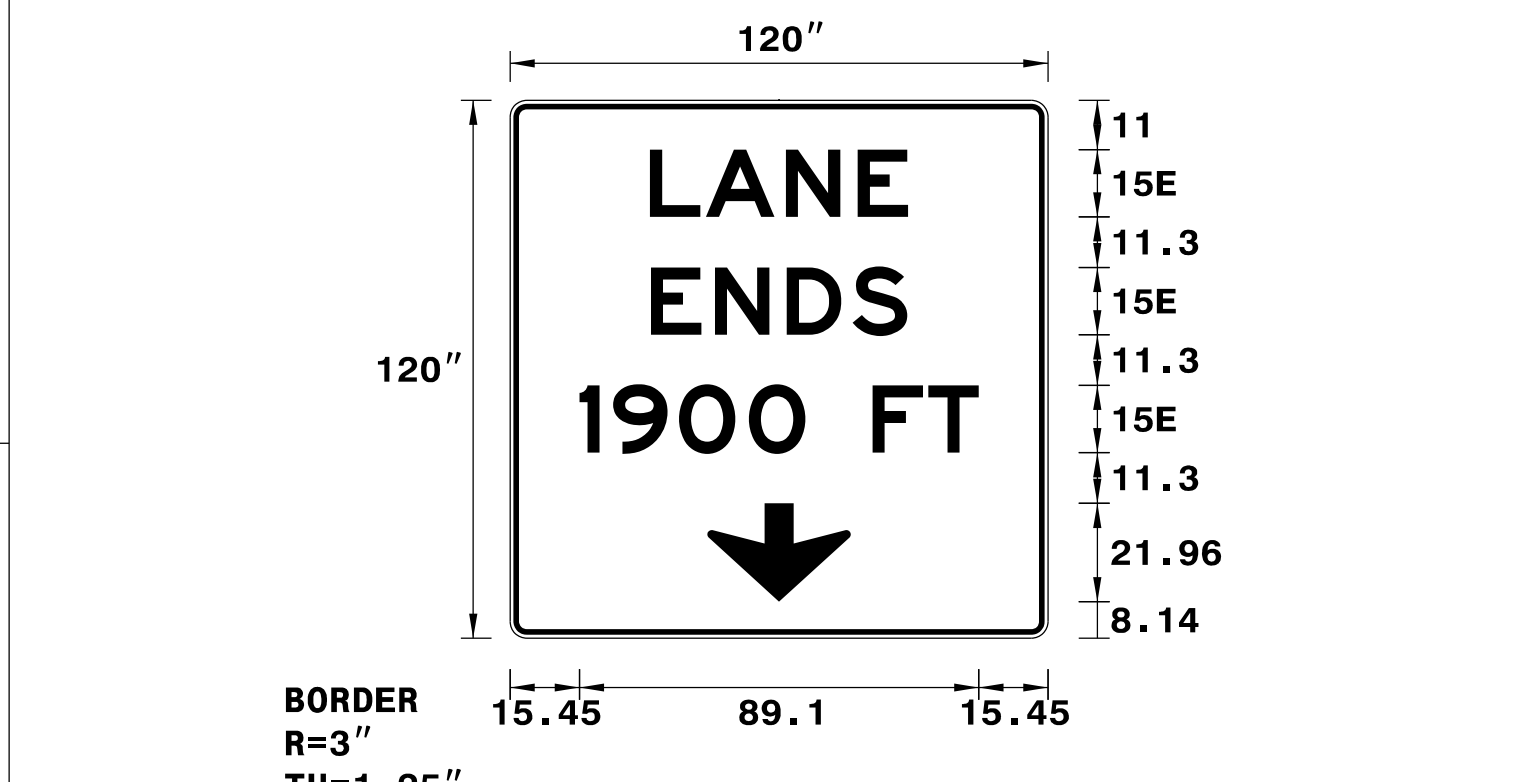
- Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
- Background shall be Grade C reflective sheeting.
- Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.
- Bottom panel shall be yellow Grade C sheeting on background with black recessed border. THICKNESS: 1.5" RECESS: 0.5"

SIGN NUMBER: 20
TYPE: A
QUANTITY: 1
SIGN WIDTH: 120"
HEIGHT: 120"
TOTAL AREA: 100.0 Sq. Ft.
BORDER TYPE: FLUSH
RECESS: 0.75"
WIDTH: 1.25"
RADII: 3"
NO. Z BARS: 3
LENGTH: 112.0

SYMBOL	X	Y	WID	HT
ARROWN	44	8.14	32	21.96

BACKG COLOR: Yellow
COPY COLOR: Black
MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON
PROJECT ID: U-2579AA
CHECKED BY: R KING
Feb 28, 2022
DIV: 9



USE NOTES: 1, 2 & 3

- Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
- Background shall be Grade C reflective sheeting.
- Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length	Letter Spacing Data													
EM 2000	171.5	16.2	17.3	8.2	15.5	15.5	13.8	19.5	14.4	14.4	10.6	16	15.8	10.6	16.2
E 2000	70.1	67	22	15	12	4.4	9.2	7.5	67						
EM 2000	39.5	31.5	11.2	14	5.4	8.9	133								
EM 2000	47.8	130	13	13.1	9.6	12.1	26.2								

FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length	Letter Spacing Data												
E 2000	57.6	31.2	12.45	17.85	16.05	11.25	31.2							
E 2000	57.15	31.43	14.25	16.05	14.7	12.15	31.42							
E 2000	89.1	15.45	7.5	14.7	15.6	12.6	15	12.45	11.25	15.45				

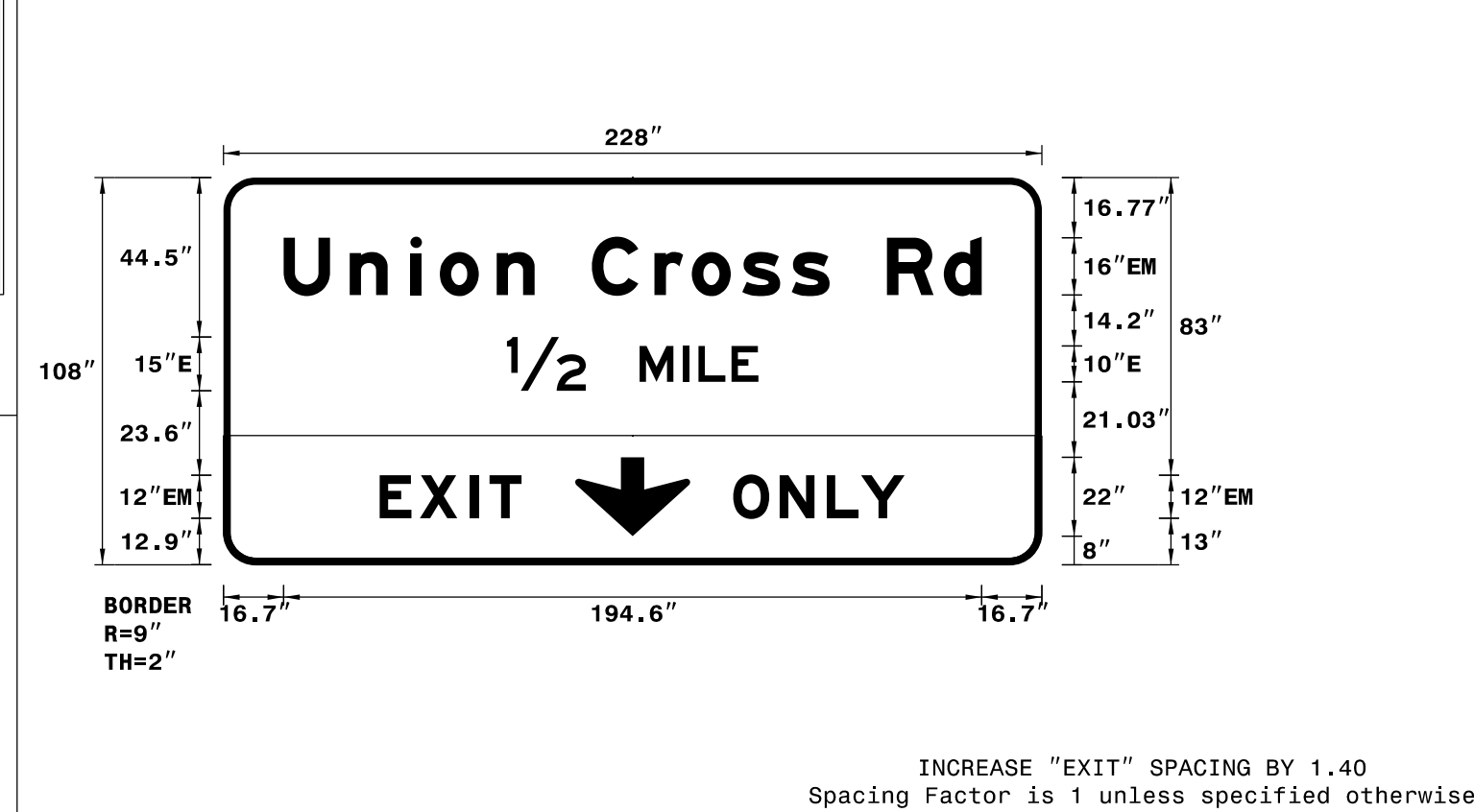
FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 22B
TYPE: A
QUANTITY: 1
SIGN WIDTH: 19'-0"
HEIGHT: 9'-0"
TOTAL AREA: 171.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 9"
NO. Z BARS: 3
LENGTH: 220.0

SYMBOL	X	Y	WID	HT
ARROWN	98	8	32	22

BACKG COLOR: Green
COPY COLOR: White
MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON
PROJECT ID: U-2579AA
CHECKED BY: R KING
Feb 10, 2022
DIV: 9



USE NOTES: 1, 2, 3 & 4

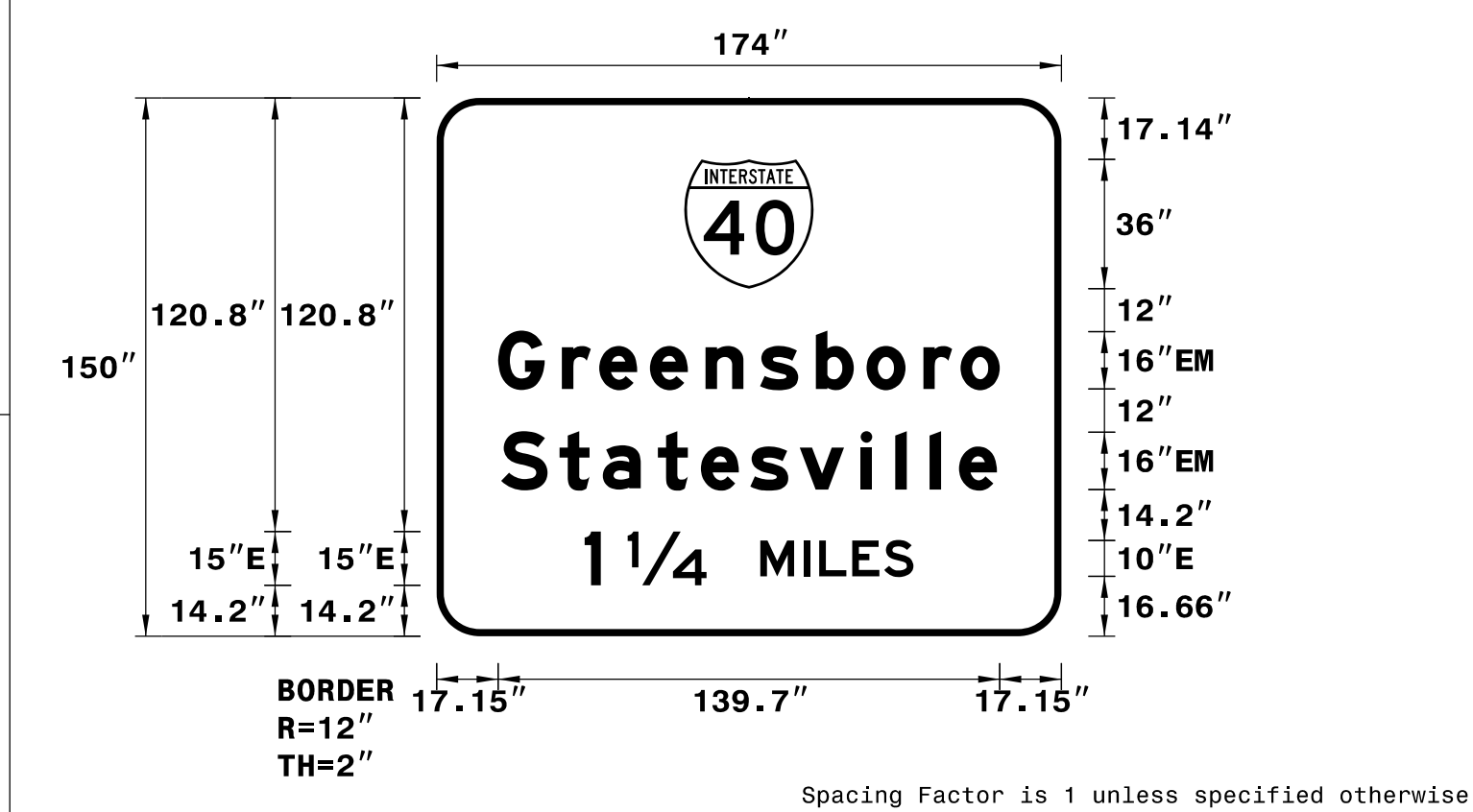
- Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
- Background shall be Grade C reflective sheeting.
- Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.
- Bottom panel shall be yellow Grade C sheeting on background with black recessed border. THICKNESS: 1.5" RECESS: 0.5"

SIGN NUMBER: 23B
TYPE: A
QUANTITY: 1
SIGN WIDTH: 14'-6"
HEIGHT: 12'-6"
TOTAL AREA: 181.3 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 12"
NO. Z BARS: 4
LENGTH: 166.0

SYMBOL	X	Y	WID	HT
MI_1	69	96.9	36	36

BACKG COLOR: Green
COPY COLOR: White
MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON
PROJECT ID: U-2579AA
CHECKED BY: R KING
Oct 20, 2021
DIV: 9



USE NOTES: 1, 2 & 3

- Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
- Background shall be Grade C reflective sheeting.
- Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length	Letter Spacing Data															
EM 2000	194.6	16.7	18.4	17	8.2	15.8	10.6	16	17.4	10.4	14.1	13.8	10.6	16	15.8	10.6	16.7
E 2000	70.1	79	22	15	12	4.4	9.2	7.5	79								
EM 2000	39.5	43.5	11.2	14	5.4	8.9	145										
EM 2000	47.8	142	13	13.1	9.6	12.1	38.2										

FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length	Letter Spacing Data												
EM 2000	139.7	17.2	17.8	10.4	14.1	15.5	15.2	15.5	14.1	15.8	10.4	10.9	17.2	
EM 2000	138.1	18	16.3	12	15.4	12	13.8	13.8	17	9.6	9.6	8.2	10.6	18
E 2000	91.6	41.2	4.5	7.5	22	15	12	4.4	9.2	8.9	8.1	41.2		

FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

5:36:09 PM
 2/28/2022
 c:\pwworking\eesat01\q0779653\U-2579AA-SIGN-50.dgn

APPROVED: _____
DATE: _____

SEAL

7/12/2022

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HDR Engineering, Inc. of the Carolinas
555 Fayetteville St, Suite 900 Raleigh, N.C. 27601
N.C.B.E.L.S. License Number: F-0116

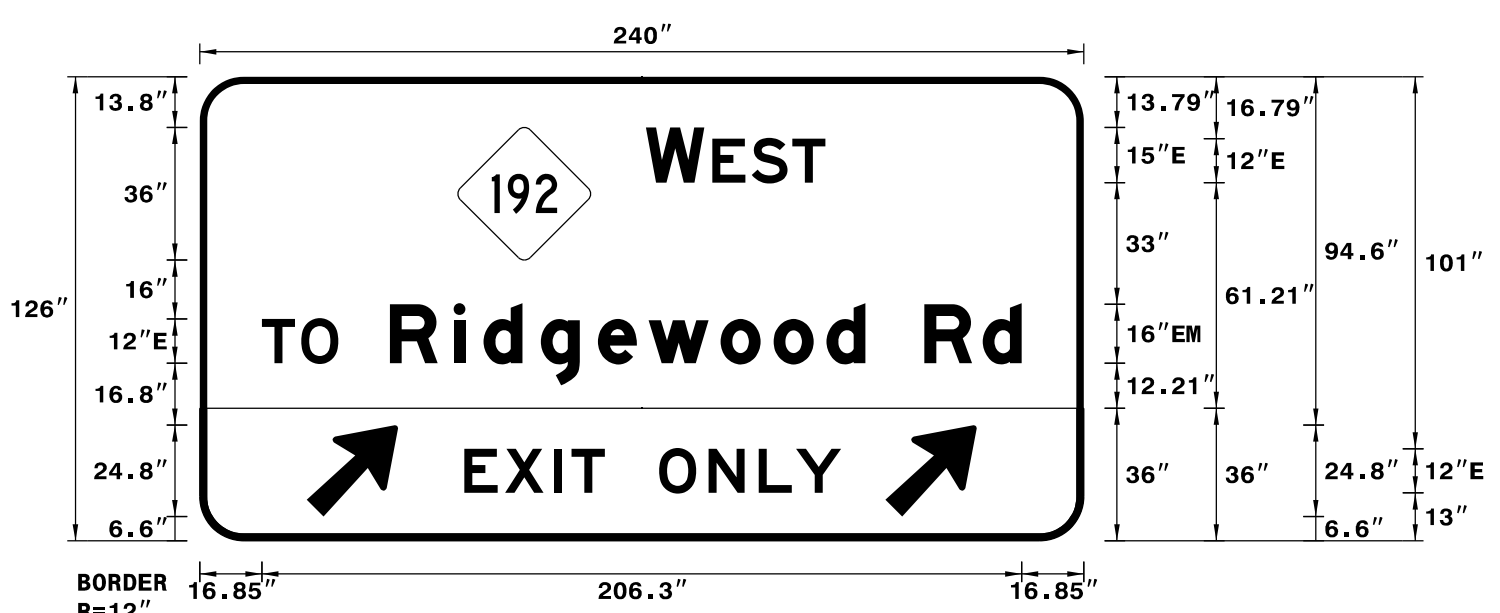
SIGN NUMBER: 24B
TYPE: A
QUANTITY: 1
SIGN WIDTH: 20'-0"
HEIGHT: 10'-6"
TOTAL AREA: 210.0 Sq.Ft.

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
M1-5-3-24-7C	70.1	76.2	36	36
AR_Type A	29	6.6	20	31.5
AR_Type A	186.2	6.6	20	31.5

DESIGN BY: R DRAYTON
PROJECT ID: U-2579AA

CHECKED BY: R KING
Oct 20, 2021
DIV: 9



BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 12"

NO. Z BARS: 3
LENGTH: 232.0

MAT'L: 0.125" (3.2 mm) ALUMINUM

USE NOTES: 1, 2, 3 & 4

- Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
- Background shall be Grade C reflective sheeting.
- Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.
- Bottom panel shall be yellow Grade C sheeting on background with black recessed border. THICKNESS: 1.5" RECESS: 0.5"

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
E 2000	48.8
E 2000	20.8
EM 2000	171.5
E 2000	102.3

FILENAME: U2579AA_SignDesigns

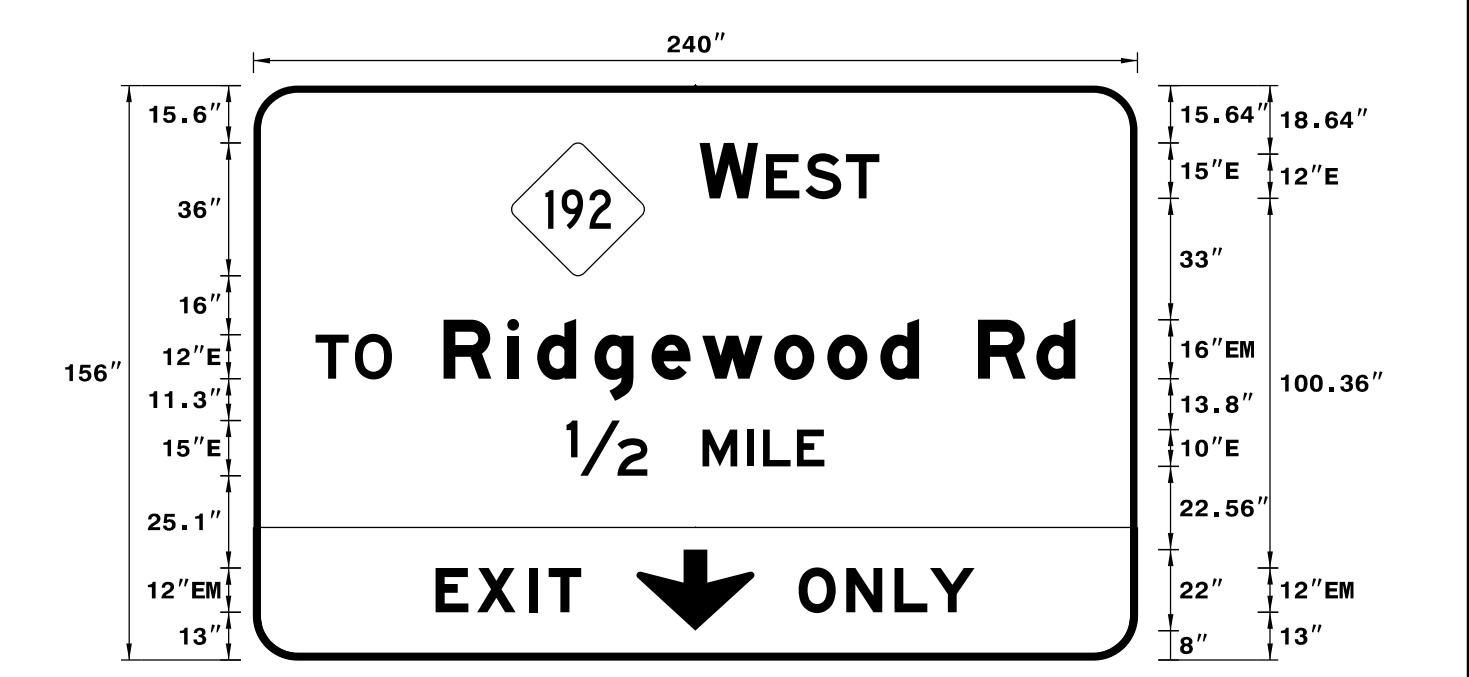
SIGN NUMBER: 26B
TYPE: A
QUANTITY: 1
SIGN WIDTH: 20'-0"
HEIGHT: 13'-0"
TOTAL AREA: 260.0 Sq.Ft.

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
M1-5-3-24-7C	70.1	104.4	36	36
ARDOWN	104	8	32	22

DESIGN BY: R DRAYTON
PROJECT ID: U-2579AA

CHECKED BY: R KING
Feb 10, 2022
DIV: 9



BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 12"

NO. Z BARS: 4
LENGTH: 232.0

MAT'L: 0.125" (3.2 mm) ALUMINUM

USE NOTES: 1, 2, 3 & 4

- Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
- Background shall be Grade C reflective sheeting.
- Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.
- Bottom panel shall be yellow Grade C sheeting on background with black recessed border. THICKNESS: 1.5" RECESS: 0.5"

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
E 2000	48.8
E 2000	20.8
EM 2000	171.5
E 2000	70.1
EM 2000	39.5
EM 2000	47.8

FILENAME: U2579AA_SignDesigns

SIGN NUMBER: 27B
TYPE: A
QUANTITY: 1
SIGN WIDTH: 17'-6"
HEIGHT: 6'-0"
TOTAL AREA: 105.0 Sq.Ft.

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
AR_Type A	97.4	6.6	20	31.5

DESIGN BY: R DRAYTON
PROJECT ID: U-2579AA

CHECKED BY: R KING
Oct 20, 2021
DIV: 9



BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 9"

NO. Z BARS: 2
LENGTH: 202.0

MAT'L: 0.125" (3.2 mm) ALUMINUM

USE NOTES: 1, 2 & 3

- Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
- Background shall be Grade C reflective sheeting.
- Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
EM 2000	177
E 2000	91.6

FILENAME: U2579AA_SignDesigns

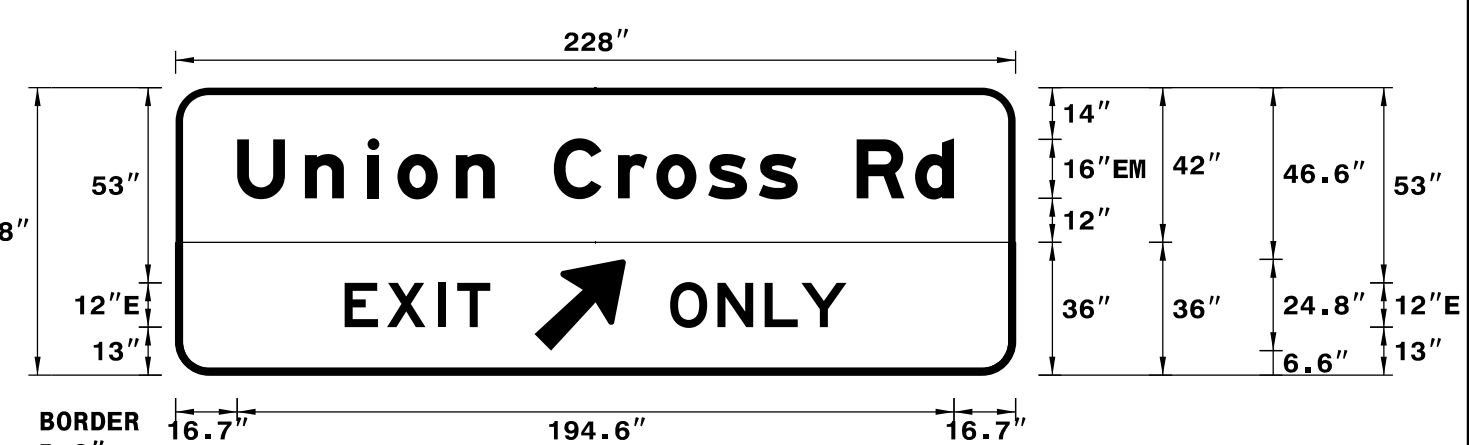
SIGN NUMBER: 28B
TYPE: A
QUANTITY: 1
SIGN WIDTH: 19'-0"
HEIGHT: 6'-6"
TOTAL AREA: 123.5 Sq.Ft.

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
AR_Type A	97.4	6.6	20	31.5

DESIGN BY: R DRAYTON
PROJECT ID: U-2579AA

CHECKED BY: R KING
Oct 20, 2021
DIV: 9



BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 9"

NO. Z BARS: 2
LENGTH: 220.0

MAT'L: 0.125" (3.2 mm) ALUMINUM

USE NOTES: 1, 2, 3 & 4

- Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
- Background shall be Grade C reflective sheeting.
- Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.
- Bottom panel shall be yellow Grade C sheeting on background with black recessed border. THICKNESS: 1.5" RECESS: 0.5"

LETTER POSITIONS

Letter spacings are to start of next letter

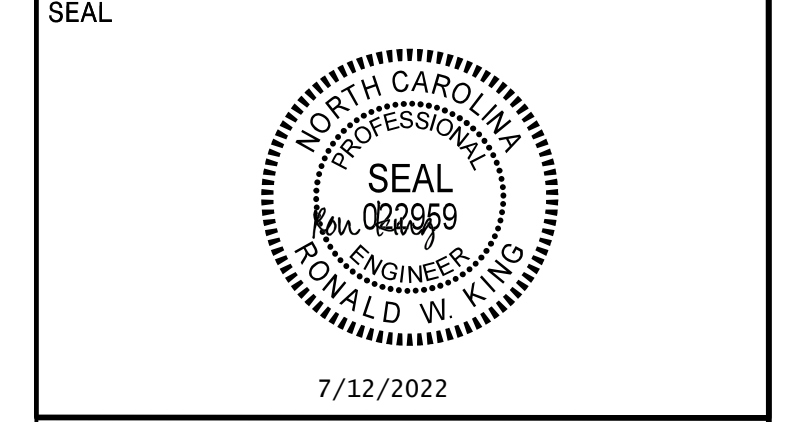
Series/Size	Text Length
EM 2000	194.6
E 2000	39.5
E 2000	47.9

FILENAME: U2579AA_SignDesigns

11:10 AM 2/16/2022 c:\pwworking\veast01\c0779653\U-2579AA-SIGN-51R.dgn

APPROVED: _____

DATE: _____



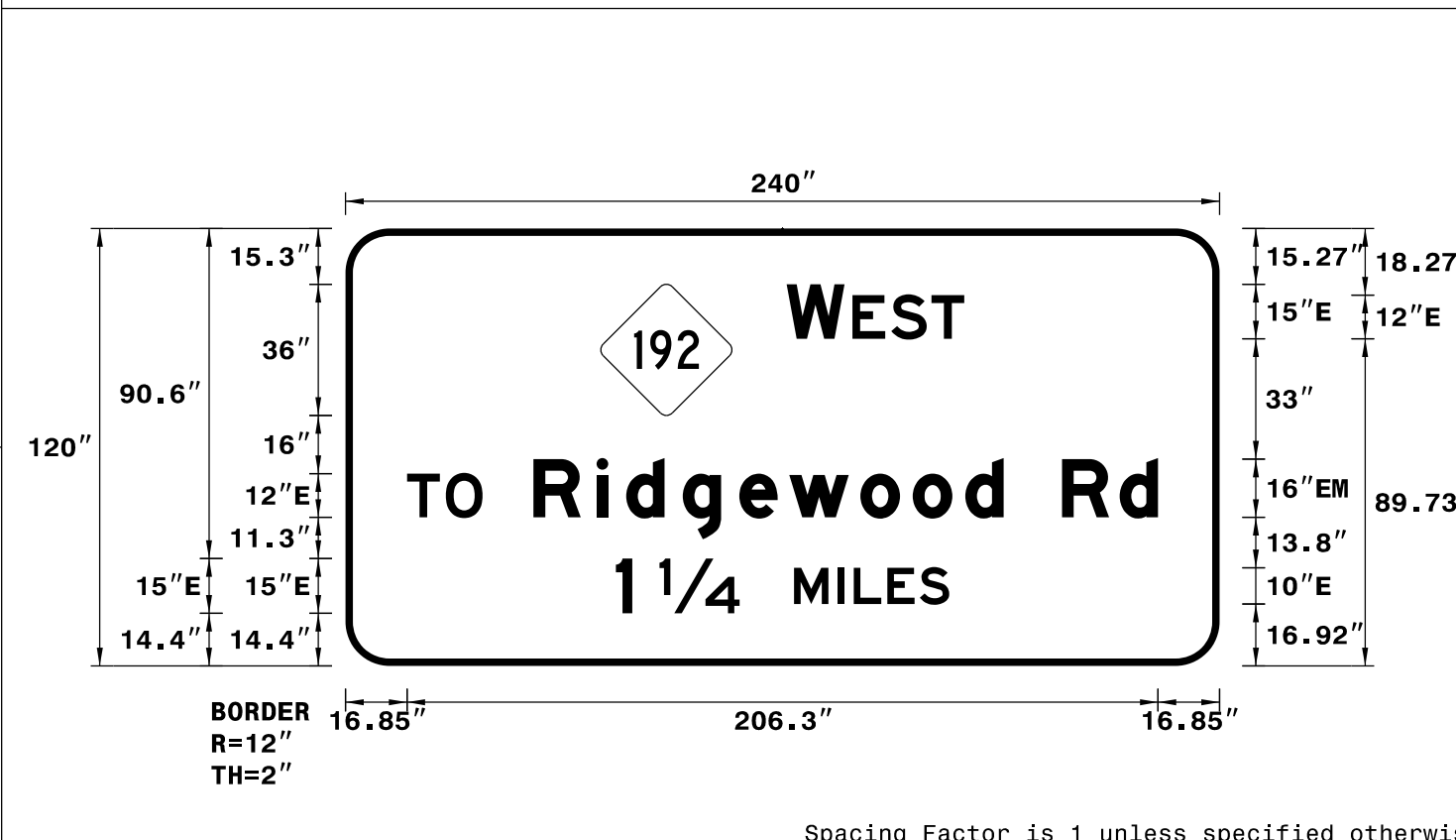
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

HDR HDR Engineering, Inc. of the Carolinas
555 Fayetteville St., Suite 900 Raleigh, N.C. 27601
N.C.B.E.L.S. License Number: F-0116

SIGN NUMBER: 29B
TYPE: A
QUANTITY: 1
SIGN WIDTH: 20'-0"
HEIGHT: 10'-0"
TOTAL AREA: 200.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 12"
NO. Z BARS: 3
LENGTH: 232.0

SYMBOL	X	Y	WID	HT
M1-5-3-24-7C	70.1	68.7	36	36

DESIGN BY: R DRAYTON
PROJECT ID: U-2579AA
CHECKED BY: R KING
Oct 20, 2021
DIV: 9



USE NOTES: 1, 2 & 3
1. Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
2. Background shall be Grade C reflective sheeting.
3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

LETTER POSITIONS

Letter spacings are to start of next letter

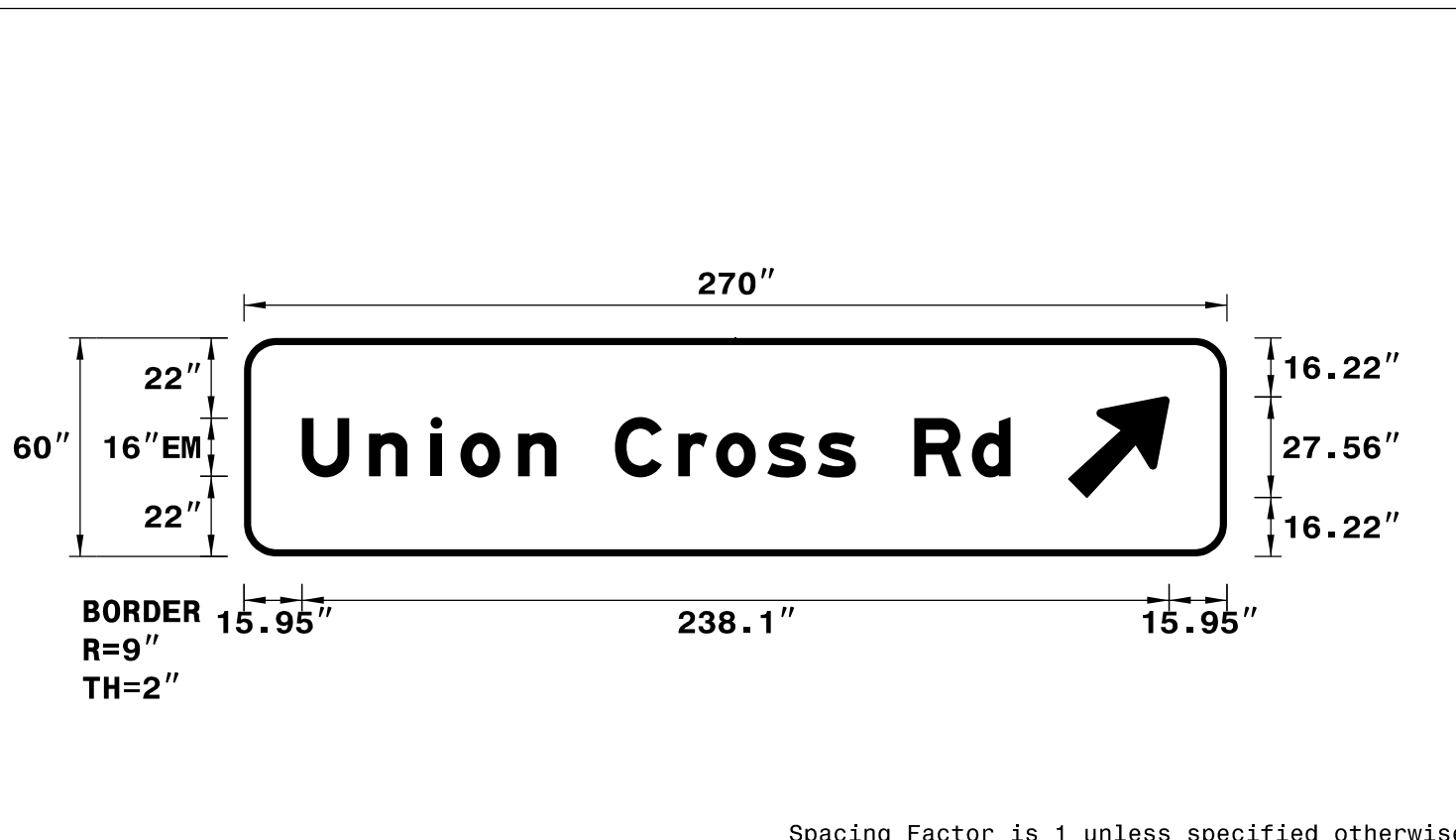
Series/Size	Text Length
E 2000	48.8
E 2000	20.8
EM 2000	171.5
E 2000	91.6

FILENAME: U2579AA_SignDesigns
NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 30B
TYPE: A
QUANTITY: 1
SIGN WIDTH: 22'-6"
HEIGHT: 5'-0"
TOTAL AREA: 112.5 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 9"
NO. Z BARS: 2
LENGTH: 262.0

SYMBOL	X	Y	WID	HT
AR_Type A	226.5	16.2	22.2	35

DESIGN BY: R DRAYTON
PROJECT ID: U-2579AA
CHECKED BY: R KING
Oct 20, 2021
DIV: 9



USE NOTES: 1, 2 & 3
1. Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
2. Background shall be Grade C reflective sheeting.
3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

LETTER POSITIONS

Letter spacings are to start of next letter

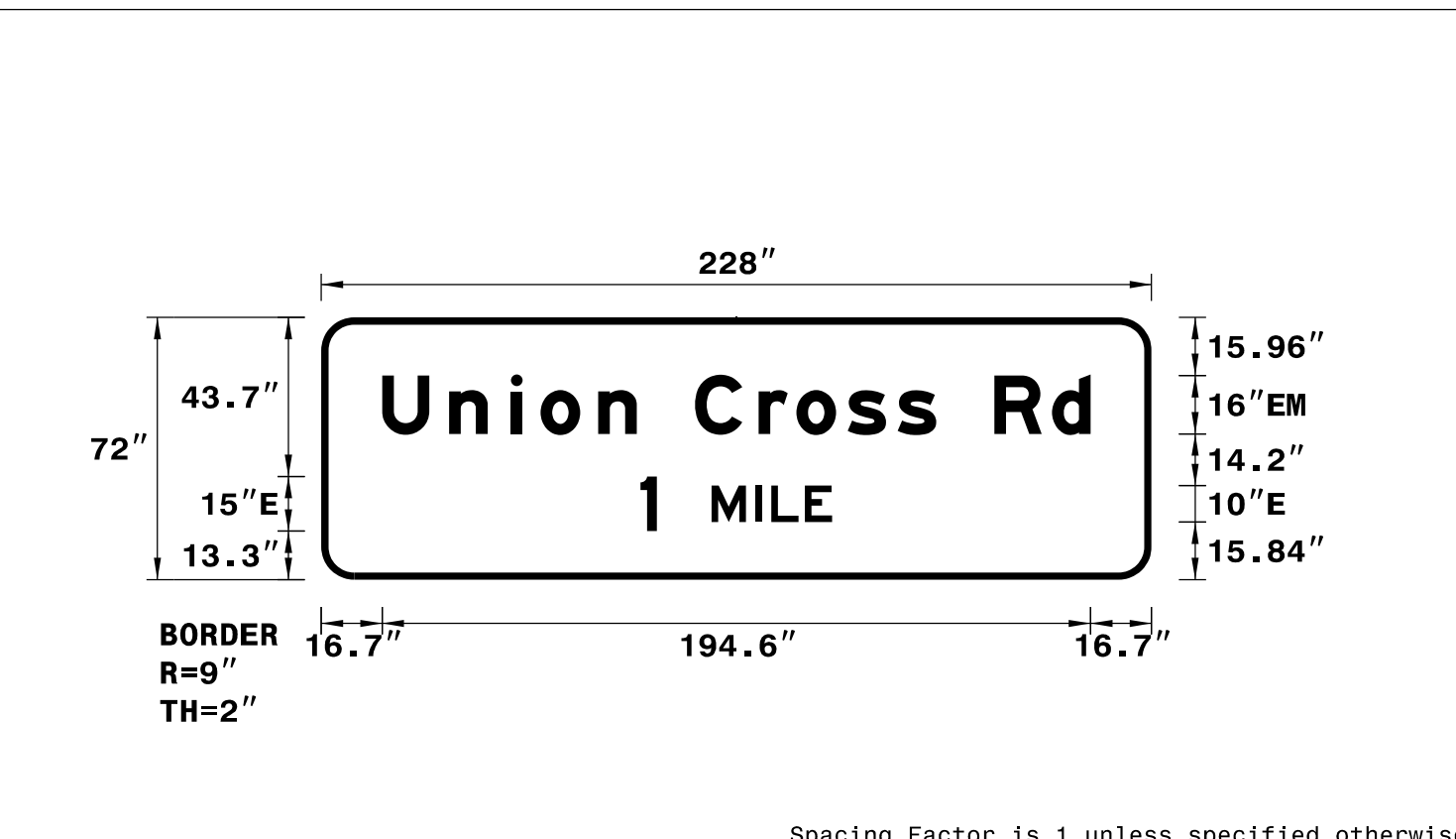
Series/Size	Text Length
EM 2000	194.6

FILENAME: U2579AA_SignDesigns
NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 32B
TYPE: A
QUANTITY: 1
SIGN WIDTH: 19'-0"
HEIGHT: 6'-0"
TOTAL AREA: 114.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 9"
NO. Z BARS: 2
LENGTH: 220.0

SYMBOL	X	Y	WID	HT
--------	---	---	-----	----

DESIGN BY: R DRAYTON
PROJECT ID: U-2579AA
CHECKED BY: R KING
Oct 20, 2021
DIV: 9



USE NOTES: 1, 2 & 3
1. Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
2. Background shall be Grade C reflective sheeting.
3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

LETTER POSITIONS

Letter spacings are to start of next letter

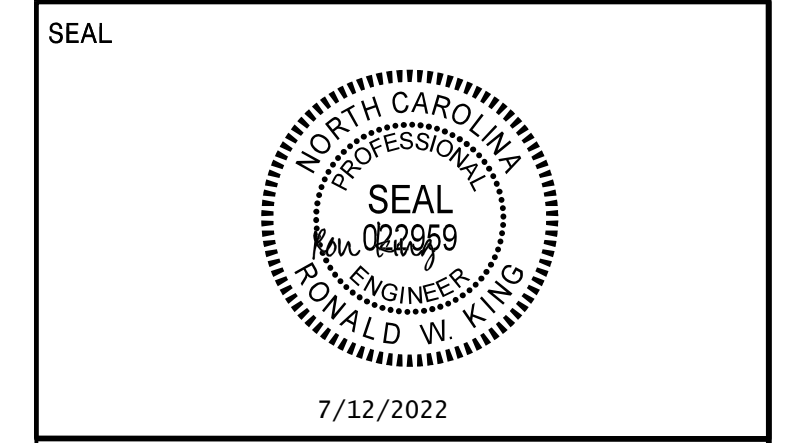
Series/Size	Text Length
EM 2000	194.6
E 2000	52.6

FILENAME: U2579AA_SignDesigns
NORTH CAROLINA D.O.T. SIGN DETAIL

8:47:07 AM
2/11/2022
c:\pwworking\eesat01\cad779653\U-2579AA-SIGN-5S.dgn

SIGN DESIGNS

APPROVED: _____
DATE: _____



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

HDR HDR Engineering, Inc. of the Carolinas
555 Fayetteville St, Suite 900 Raleigh, N.C. 27601
N.C.B.E.L.S. License Number: F-0116

SIGN NUMBER: 33B TYPE: A QUANTITY: 1 SIGN WIDTH: 20'-0" HEIGHT: 10'-6" TOTAL AREA: 210.0 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 2" RADII: 12" NO. Z BARS: 3 LENGTH: 232.0	BACKG COLOR: Green COPY COLOR: White <table border="1"> <tr> <th>SYMBOL</th> <th>X</th> <th>Y</th> <th>WID</th> <th>HT</th> </tr> <tr> <td>M1-5-3-24-7C</td> <td>70.1</td> <td>76</td> <td>36</td> <td>36</td> </tr> <tr> <td>AR_Type A</td> <td>104</td> <td>5</td> <td>22.6</td> <td>35.6</td> </tr> </table> MAT'L: 0.125" (3.2 mm) ALUMINUM	SYMBOL	X	Y	WID	HT	M1-5-3-24-7C	70.1	76	36	36	AR_Type A	104	5	22.6	35.6	DESIGN BY: R DRAYTON CHECKED BY: R KING Jan 25, 2022 DIV: 9 PROJECT ID: U-2579AA
SYMBOL	X	Y	WID	HT													
M1-5-3-24-7C	70.1	76	36	36													
AR_Type A	104	5	22.6	35.6													

INCREASE "EXIT" SPACING BY 1.40
Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
E 2000	48.8
E 2000	20.8
E 2000	171.5
E 2000	39.5
E 2000	47.8

FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 35B TYPE: A QUANTITY: 1 SIGN WIDTH: 15'-6" HEIGHT: 12'-6" TOTAL AREA: 193.8 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 2" RADII: 12" NO. Z BARS: 4 LENGTH: 178.0	BACKG COLOR: Green COPY COLOR: White <table border="1"> <tr> <th>SYMBOL</th> <th>X</th> <th>Y</th> <th>WID</th> <th>HT</th> </tr> <tr> <td>M1_1</td> <td>75</td> <td>96.9</td> <td>36</td> <td>36</td> </tr> </table> MAT'L: 0.125" (3.2 mm) ALUMINUM	SYMBOL	X	Y	WID	HT	M1_1	75	96.9	36	36	DESIGN BY: R DRAYTON CHECKED BY: R KING Nov 11, 2021 DIV: 9 PROJECT ID: U-2579AA
SYMBOL	X	Y	WID	HT								
M1_1	75	96.9	36	36								

USE NOTES: 1, 2 & 3

1. Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
 2. Background shall be Grade C reflective sheeting.
 3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
EM 2000	134.6
EM 2000	133.3
E 2000	69.8

FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 36B TYPE: A QUANTITY: 1 SIGN WIDTH: 15'-6" HEIGHT: 12'-6" TOTAL AREA: 193.8 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 2" RADII: 12" NO. Z BARS: 4 LENGTH: 178.0	BACKG COLOR: Green COPY COLOR: White <table border="1"> <tr> <th>SYMBOL</th> <th>X</th> <th>Y</th> <th>WID</th> <th>HT</th> </tr> <tr> <td>M1_1</td> <td>75</td> <td>96.9</td> <td>36</td> <td>36</td> </tr> </table> MAT'L: 0.125" (3.2 mm) ALUMINUM	SYMBOL	X	Y	WID	HT	M1_1	75	96.9	36	36	DESIGN BY: R DRAYTON CHECKED BY: R KING Nov 11, 2021 DIV: 9 PROJECT ID: U-2579AA
SYMBOL	X	Y	WID	HT								
M1_1	75	96.9	36	36								

USE NOTES: 1, 2 & 3

1. Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
 2. Background shall be Grade C reflective sheeting.
 3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
EM 2000	134.6
EM 2000	133.3
E 2000	52.6

FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 37B TYPE: A QUANTITY: 1 SIGN WIDTH: 14'-0" HEIGHT: 10'-0" TOTAL AREA: 140.0 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 2" RADII: 12" NO. Z BARS: 3 LENGTH: 160.0	BACKG COLOR: Green COPY COLOR: White <table border="1"> <tr> <th>SYMBOL</th> <th>X</th> <th>Y</th> <th>WID</th> <th>HT</th> </tr> <tr> <td>M1_1</td> <td>34.1</td> <td>69.1</td> <td>36</td> <td>36</td> </tr> </table> MAT'L: 0.125" (3.2 mm) ALUMINUM	SYMBOL	X	Y	WID	HT	M1_1	34.1	69.1	36	36	DESIGN BY: R DRAYTON CHECKED BY: R KING Feb 24, 2022 DIV: 9 PROJECT ID: U-2579AA
SYMBOL	X	Y	WID	HT								
M1_1	34.1	69.1	36	36								

USE NOTES: 1, 2 & 3

1. Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
 2. Background shall be Grade C reflective sheeting.
 3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
E 2000	48.8
EM 2000	133.3
E 2000	70.1

FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

2:39:32 PM
 2/26/2022
 c:\pwworking\east01\q0779653\U-2579AA-SIGN-5K.dgn

APPROVED: _____

DATE: _____

SEAL



7/12/2022

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

HDR HDR Engineering, Inc. of the Carolinas
555 Fayetteville St, Suite 900 Raleigh, N.C. 27601
N.C.B.E.L.S. License Number: F-0116

SIGN NUMBER: 38B & 42B
TYPE: A
QUANTITY: 2

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
M1_1	27.3	45.1	36	36
AR_Type A	166.5	35.3	22.2	35

SIGN WIDTH: 17'-6"
HEIGHT: 8'-0"
TOTAL AREA: 140.0 Sq.Ft.

BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADIUS: 12"

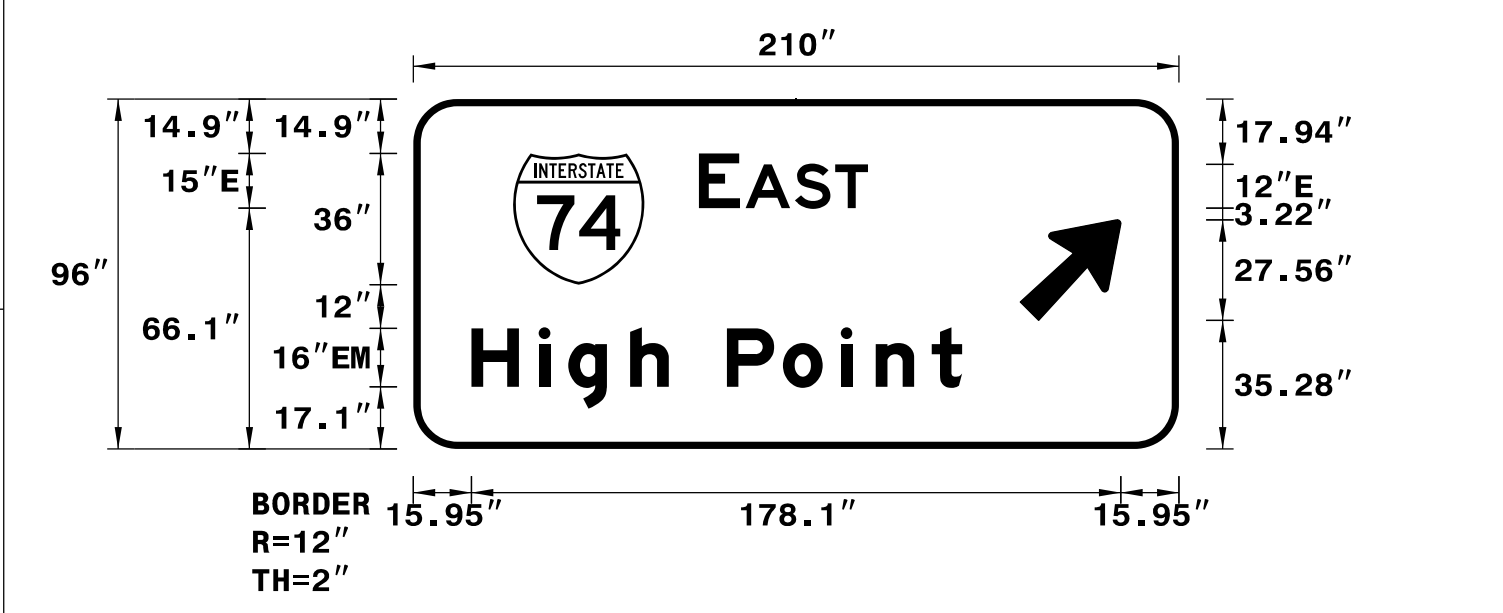
NO. Z BARS: 3
LENGTH: 202.0

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON
PROJECT ID: U-2579AA

CHECKED BY: R KING
DIV: 9

Oct 20, 2021



USE NOTES: 1, 2 & 3

- Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
- Background shall be Grade C reflective sheeting.
- Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
E	2000
78.3 11.3 1.5 13.6 11 9 85.3	46.4
H i g h P o i n t	EM 2000
15.9 18.4 8.2 17 10.6 16 15.4 15.8 9.6 15.4 8.3 59.5	134.6

FILENAME: U2579AA_SignDesigns
NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 39B
TYPE: A
QUANTITY: 1

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
M1_1	30.3	45.1	36	36
AR_Type A	162.9	35.3	22.2	35

SIGN WIDTH: 17'-0"
HEIGHT: 8'-0"
TOTAL AREA: 136.0 Sq.Ft.

BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADIUS: 12"

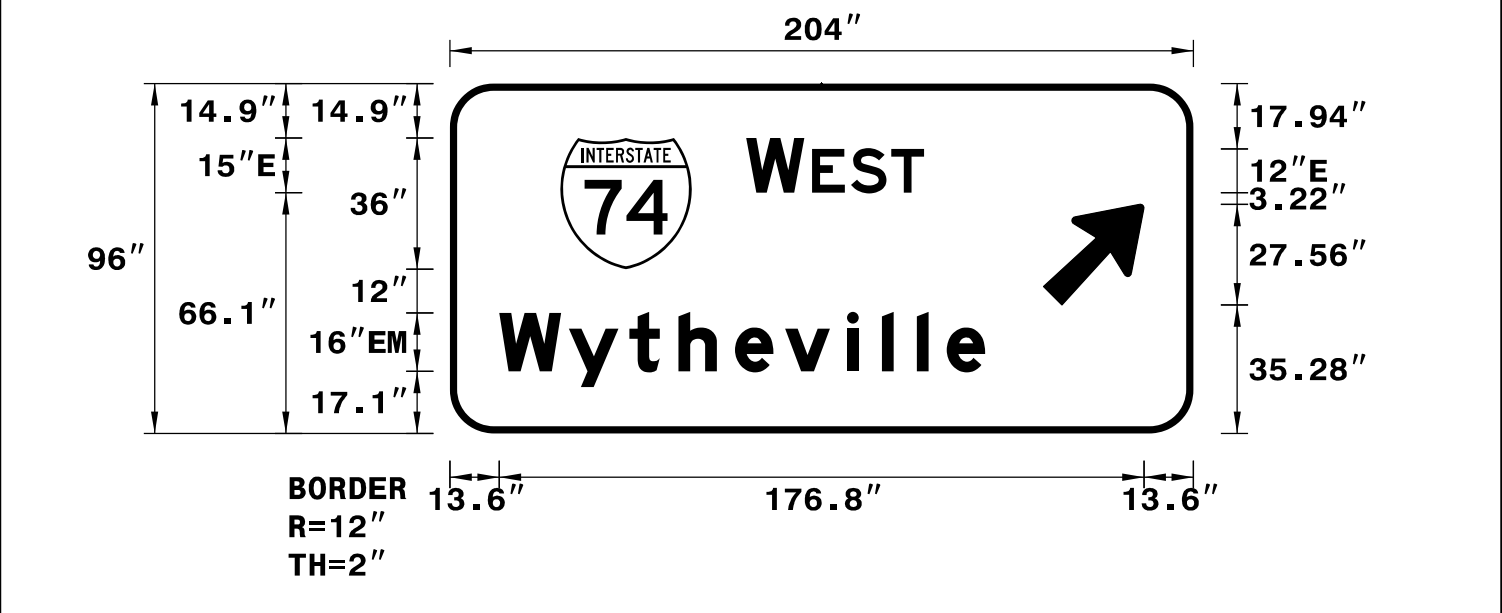
NO. Z BARS: 3
LENGTH: 196.0

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON
PROJECT ID: U-2579AA

CHECKED BY: R KING
DIV: 9

Oct 20, 2021



USE NOTES: 1, 2 & 3

- Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
- Background shall be Grade C reflective sheeting.
- Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
W	2000
81.3 15.9 2.2 10.7 11 9 73.9	48.8
W y t h e v i l l e	EM 2000
13.6 19 16.6 13.4 15.5 13.8 17 9.6 9.6 8.2 10.6 57.1	133.3

FILENAME: U2579AA_SignDesigns
NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 40
TYPE: A
QUANTITY: 1

BACKG COLOR: Yellow
COPY COLOR: Black

SYMBOL	X	Y	WID	HT
ARDOWN	44	8.1	32	22

SIGN WIDTH: 10'-0"
HEIGHT: 10'-0"
TOTAL AREA: 100.0 Sq.Ft.

BORDER TYPE: RECESSED
RECESS: 0.75"
WIDTH: 1.25"
RADIUS: 3"

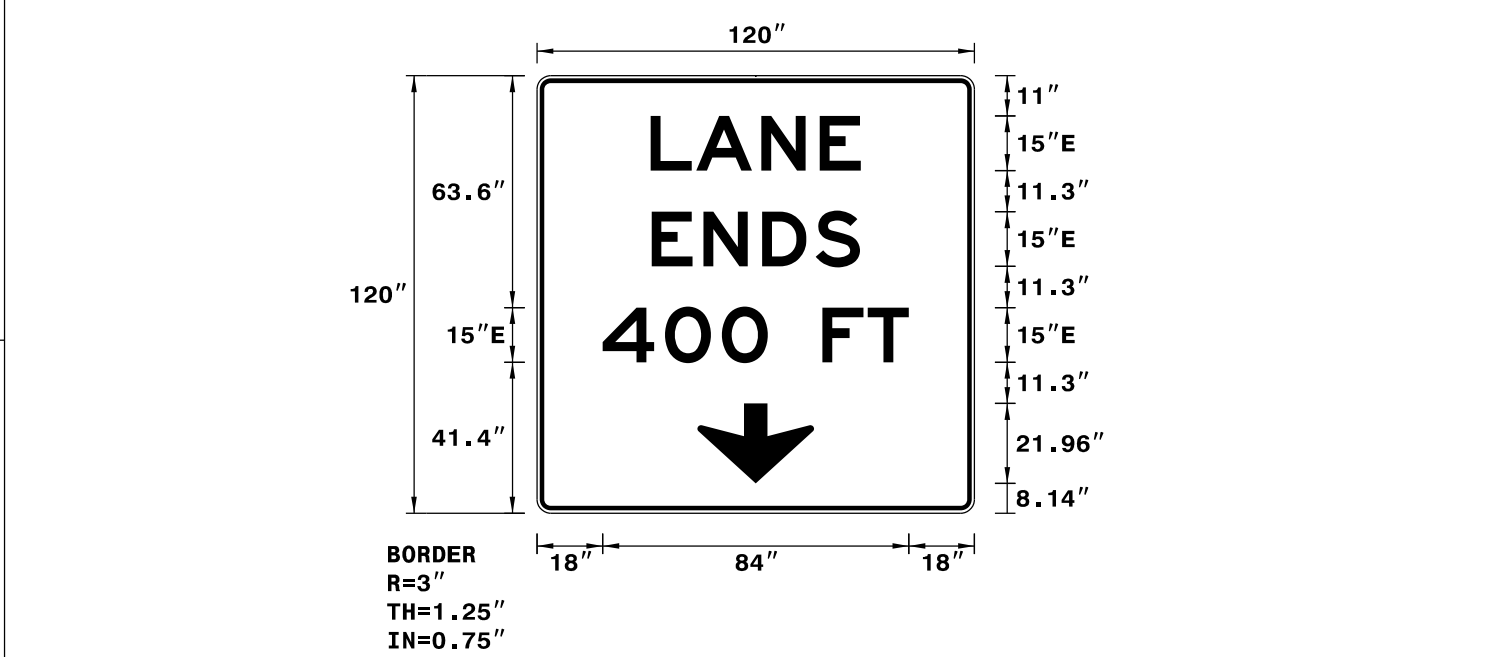
NO. Z BARS: 3
LENGTH: 112.0

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON
PROJECT ID: U-2579AA

CHECKED BY: R KING
DIV: 9

Nov 12, 2021



USE NOTES: 1, 2 & 3

- Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
- Background shall be Grade C reflective sheeting.
- Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
L	2000
31.2 12.5 17.8 16.1 11.3 31.2	57.6
E N D S	E 2000
31.4 14.3 16 14.7 12.2 31.4	57.2
4 0 0 F T	E 2000
18 17.1 15.6 12.6 15 12.5 11.3 18	84

FILENAME: U2579AA_SignDesigns
NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 41
TYPE: A
QUANTITY: 1

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
M1_1	34.1	45.1	36	36

SIGN WIDTH: 14'-0"
HEIGHT: 8'-0"
TOTAL AREA: 112.0 Sq.Ft.

BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADIUS: 12"

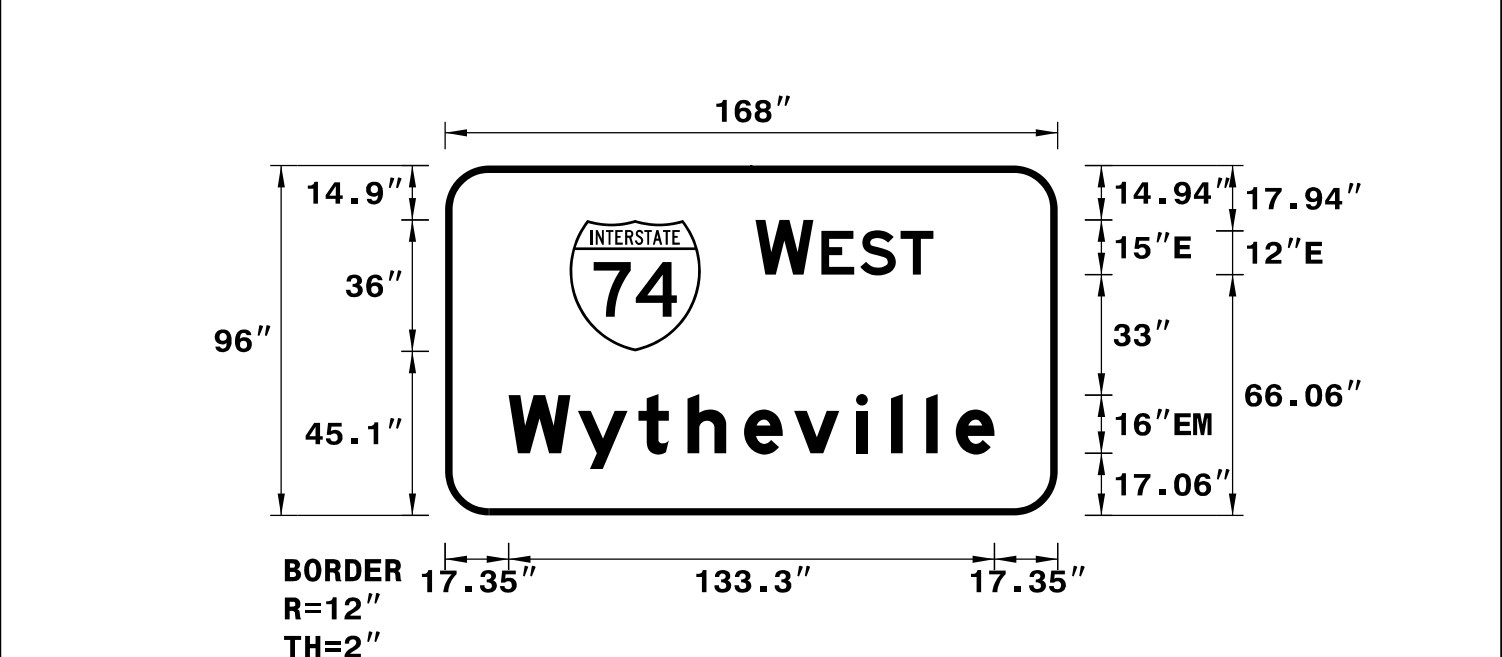
NO. Z BARS: 3
LENGTH: 160.0

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON
PROJECT ID: U-2579AA

CHECKED BY: R KING
DIV: 9

Oct 20, 2021



USE NOTES: 1, 2 & 3

- Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
- Background shall be Grade C reflective sheeting.
- Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
W	2000
85.1 15.9 2.2 10.7 11 9 34.1	48.8
W y t h e v i l l e	EM 2000
17.4 19 16.6 13.4 15.5 13.8 17 9.6 9.6 8.2 10.6 17.4	133.3

FILENAME: U2579AA_SignDesigns
NORTH CAROLINA D.O.T. SIGN DETAIL

8:54:4 AM 2/11/2022 c:\pwworking\ees\01\c0779653\U-2579AA-SIGN-5L.dgn

SIGN DESIGNS

APPROVED: _____

DATE: _____



**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

HDR HDR Engineering, Inc. of the Carolinas
555 Fayetteville St., Suite 900 Raleigh, N.C. 27601
N.C.B.E.L.S. License Number: F-0116

SIGN NUMBER: 44B TYPE: A QUANTITY: 1 SIGN WIDTH: 17'-0" HEIGHT: 11'-6" TOTAL AREA: 195.5 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 2" RADII: 12" NO. Z BARS: 3 LENGTH: 196.0	BACKG COLOR: Green COPY COLOR: White SYMBOL X Y WID HT M1_1 52.1 85.8 36 36 AR_Type A 16.2 18.3 22.2 35 AR_Type A 160.2 18.3 22.2 35 MAT'L: 0.125" (3.2 mm) ALUMINUM	DESIGN BY: R DRAYTON PROJECT ID: U-2579AA CHECKED BY: R KING Oct 20, 2021 DIV: 9
---	--	--

USE NOTES: 1, 2 & 3

- Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
- Background shall be Grade C reflective sheeting.
- Shields: A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter											Series/Size Text Length
W	E	S	T								E 2000 48.8
103.1	15.9	2.2	10.7	11	9	52.1					
W	y	t	h	e	v	i	l	l	e		EM 2000 133.3
35.4	19	16.6	13.4	15.5	13.8	17	9.6	9.6	8.2	10.6	35.4

FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 43B TYPE: A QUANTITY: 1 SIGN WIDTH: 14'-0" HEIGHT: 10'-0" TOTAL AREA: 140.0 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 2" RADII: 12" NO. Z BARS: 3 LENGTH: 160.0	BACKG COLOR: Green COPY COLOR: White SYMBOL X Y WID HT M1_1 35.3 69.1 36 36 MAT'L: 0.125" (3.2 mm) ALUMINUM	DESIGN BY: R DRAYTON PROJECT ID: U-2579AA CHECKED BY: R KING Oct 20, 2021 DIV: 9
---	---	--

USE NOTES: 1, 2 & 3

- Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
- Background shall be Grade C reflective sheeting.
- Shields: A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter											Series/Size Text Length
E	A	S	T								E 2000 46.4
86.3	11.3	1.5	13.6	11	9	35.3					
H	i	g	h	P	o	i	n	t			EM 2000 134.6
16.7	18.4	8.2	17	10.6	16	15.4	15.8	9.6	15.4	8.3	16.7
1/4	M	I	L	E							E 2000 70.1
49	22	15	12	4.4	9.2	7.5	49				

FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

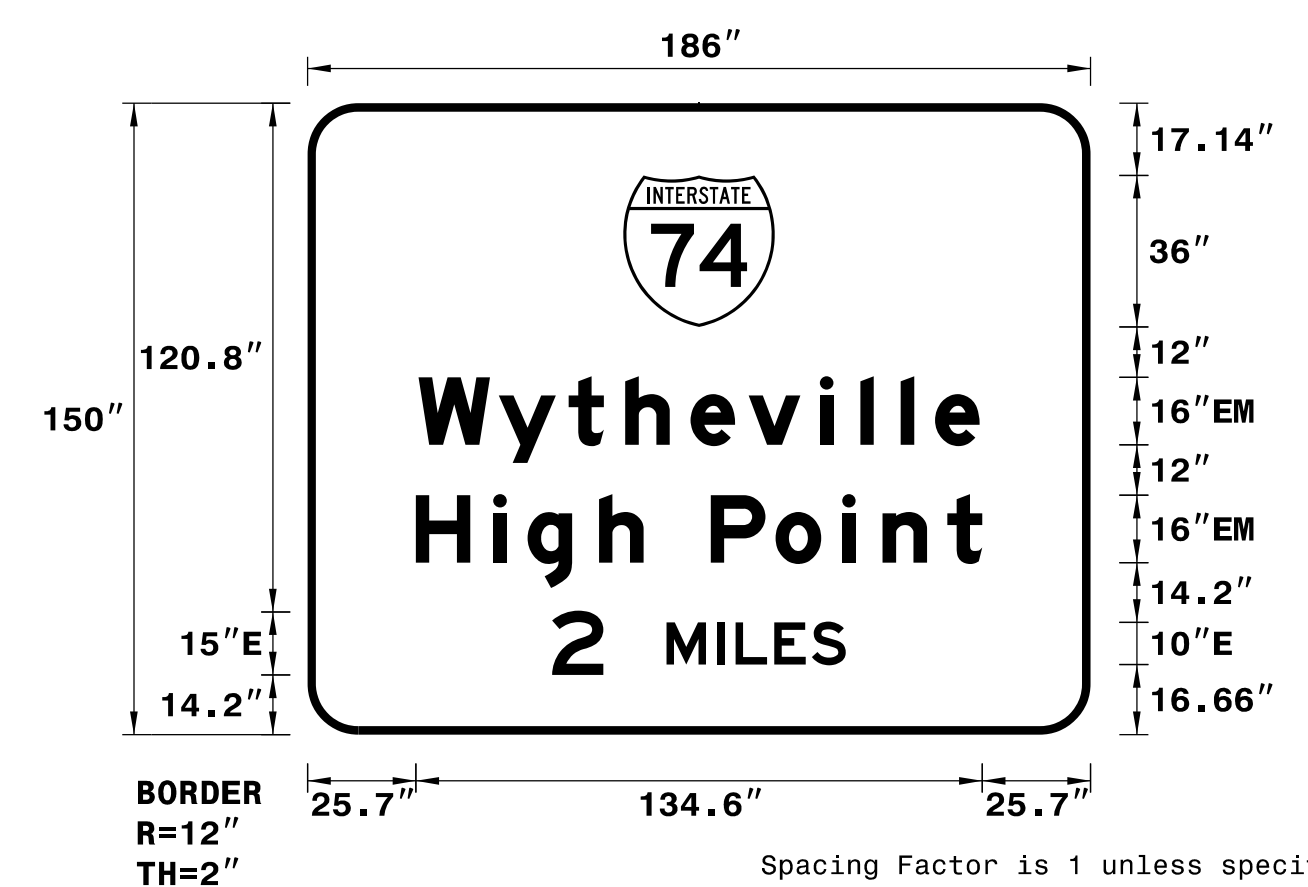
8:53:43 AM
2/11/2022
c:\pwworking\ees\01\ad779653\U-2579AA-SIGN-5M.dgn

SIGN DESIGNS

SIGN NUMBER: 46B
 TYPE: A
 QUANTITY: 1
 SIGN WIDTH: 15'-6"
 HEIGHT: 12'-6"
 TOTAL AREA: 193.8 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 12"
 NO. Z BARS: 4
 LENGTH: 178.0

SYMBOL	X	Y	WID	HT
M1_1	75	96.9	36	36

DESIGN BY: R DRAYTON
 PROJECT ID: U-2579AA
 CHECKED BY: R KING
 Nov 19, 2021
 DIV: 9



USE NOTES: 1, 2 & 3
 1. Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
 2. Background shall be Grade C reflective sheeting.
 3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
EM 2000	133.3
EM 2000	134.6
E 2000	69.8

FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

TIP NO. U-2579AA	SHEET NO. SIGN-5N
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APPROVED: _____
 DATE: _____

SEAL

7/12/2022

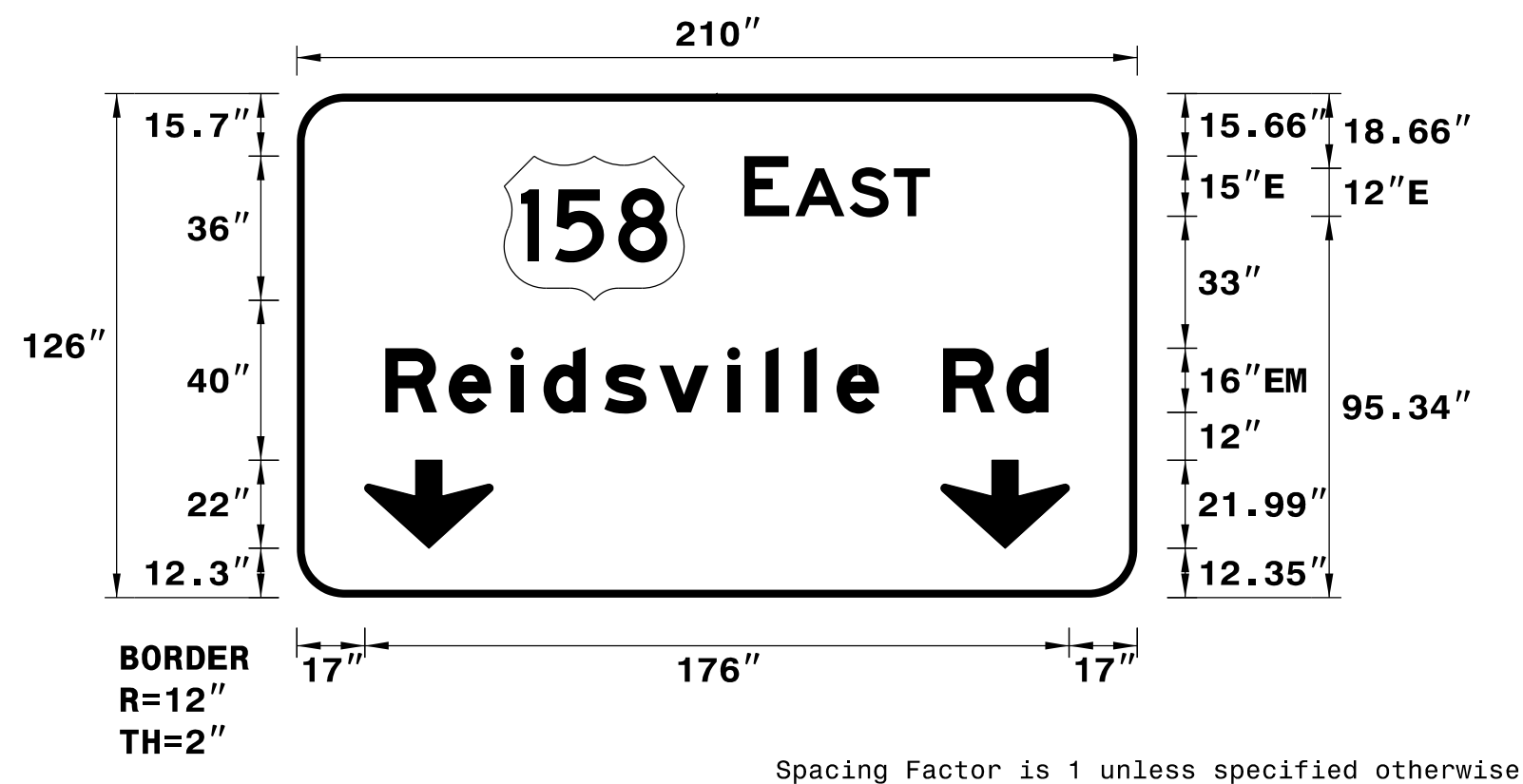
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

HDR HDR Engineering, Inc. of the Carolinas
 555 Fayetteville St, Suite 900 Raleigh, N.C. 27601
 N.C.B.E.L.S. License Number: F-0116

SIGN NUMBER: 52
 TYPE: A
 QUANTITY: 1
 SIGN WIDTH: 17'-6"
 HEIGHT: 10'-6"
 TOTAL AREA: 183.8 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 12"
 NO. Z BARS: 3
 LENGTH: 202.0

SYMBOL	X	Y	WID	HT
M1_4	51.8	74.3	45	36
ARROW	17	12.3	32	22
ARROW	161	12.3	32	22

DESIGN BY: R DRAYTON
 PROJECT ID: U-2579AA
 CHECKED BY: R KING
 Oct 20, 2021
 DIV: 9



USE NOTES: 1, 2 & 3
 1. Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
 2. Background shall be Grade C reflective sheeting.
 3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

LETTER POSITIONS

Letter spacings are to start of next letter

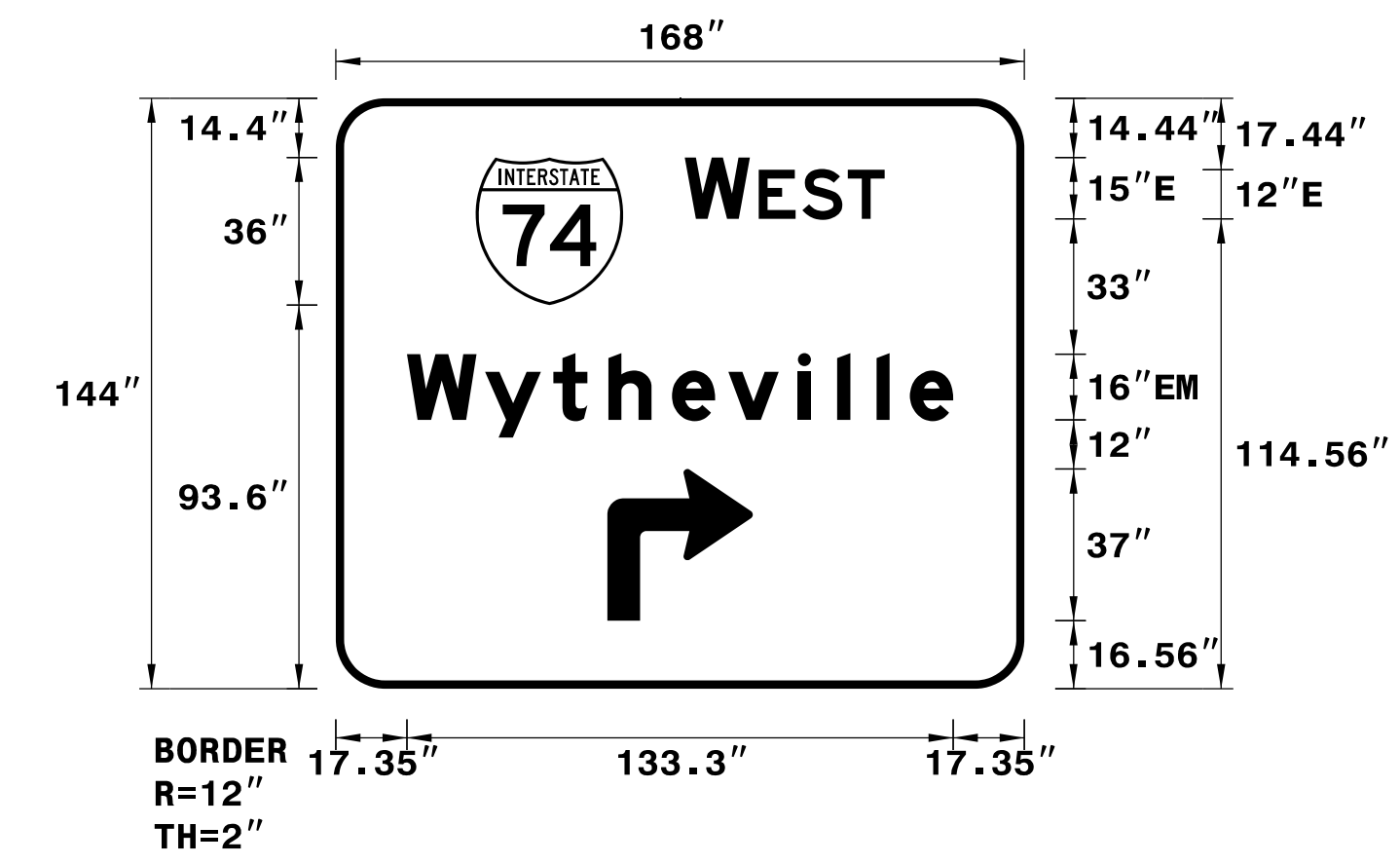
Series/Size	Text Length
E 2000	46.4
EM 2000	165.8

FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 53
 TYPE: A
 QUANTITY: 1
 SIGN WIDTH: 14'-0"
 HEIGHT: 12'-0"
 TOTAL AREA: 168.0 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 12"
 NO. Z BARS: 3
 LENGTH: 160.0

SYMBOL	X	Y	WID	HT
M1_1	34.1	93.6	36	36
Type A Advance	66.0	16.6	35.5	37

DESIGN BY: R DRAYTON
 PROJECT ID: U-2579AA
 CHECKED BY: R KING
 Oct 20, 2021
 DIV: 9



USE NOTES: 1, 2 & 3
 1. Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
 2. Background shall be Grade C reflective sheeting.
 3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

LETTER POSITIONS

Letter spacings are to start of next letter

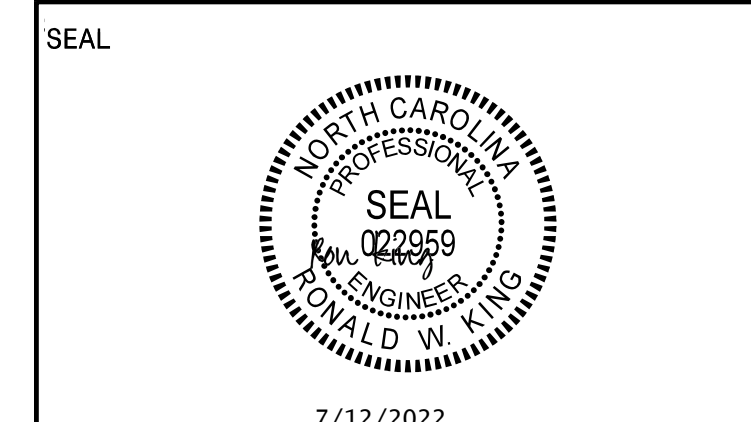
Series/Size	Text Length
E 2000	48.8
EM 2000	133.3

FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN DESIGNS

8:55:43 AM
 2/11/2022
 c:\pwworking\king\east\01\40779653\U-2579AA-SIGN-5N.dgn

APPROVED: _____
DATE: _____



**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

HDR HDR Engineering, Inc. of the Carolinas
555 Fayetteville St., Suite 900 Raleigh, N.C. 27601
N.C.B.E.L.S. License Number: F-0116

SIGN NUMBER: 54B
TYPE: A
QUANTITY: 1

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
M1_1	105.4	207.8	48	48
M1_4	440.2	207.8	60	48
Through	20.4	12	21.6	66
Through	164.4	12	21.6	66
APL Arrow	301.3	12	56	66
Right	459.3	12	36.2	45

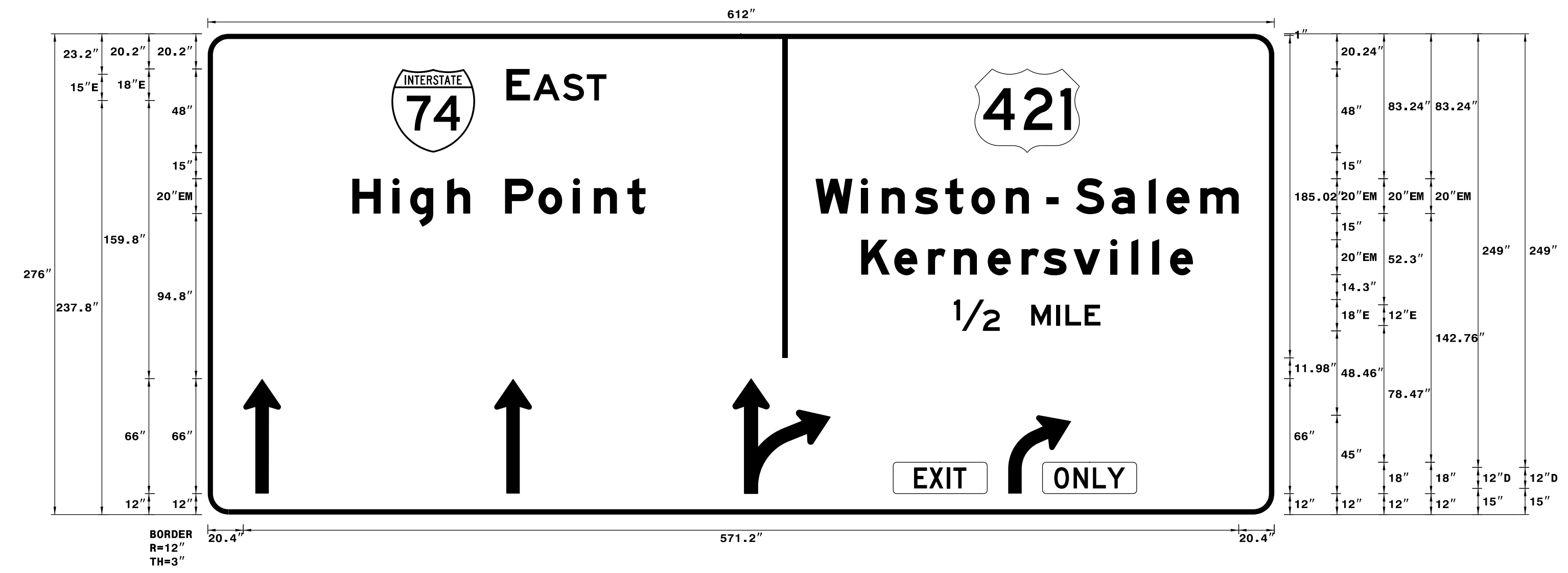
SIGN WIDTH: 51'-0"
HEIGHT: 23'-0"
TOTAL AREA: 1173.0 Sq.Ft.

BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 3"
RADII: 12"

NO. Z BARS: 6
LENGTH: 604.0

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON **CHECKED BY: R KING** **Feb 11, 2022**
PROJECT ID: U-2579AA **DIV: 9**



- USE NOTES: 1,2,3**
1. Legend and border (except those that are colored black) shall be direct applied Grade A sheeting.
 2. Background shall be Grade C reflective sheeting.
 3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.
 4. Bottom panel shall be yellow Grade C sheeting on background with black recessed border.
THICKNESS: 1.5" RECESS: 0.5"

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

	Letter spacings are to start of next letter															Series/Size		
	E	A	S	T														Text Length
171.4	13.5	1.9	16.9	13.8	11.3	383.2												E 2000
																		57.4
83	23	10.2	21.2	33.2	19.2	19.8	12	19.2	10.4	360.8								EM 2000
																		168.2
348.8	26	12	19	17.4	15	19.8	13.2	10	7	10	20.6	21.2	10.2	19.4	22	20.4		EM 2000
																		242.8
375	19	19.4	14.8	19.4	19.4	12.6	17.2	21.2	12	12	10.2	13.2	46.6					EM 2000
																		190.4
428.2	26.4	18	14.4	5.3	11	9	99.8											E 2000
																		84.1
405.3	8.6	10.2	3.7	7.4	176.7													D 2000
																		30
485.7	11.2	11	8.2	10.3	85.6													D 2000
																		40.7

SIGN DESIGNS

9:16:35 AM
 2/11/2022
 C:\pwworking\eesat01\cad\79653\U-2579AA-SIGN-5X.dgn

APPROVED: _____

DATE: _____

SEAL

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

HDR HDR Engineering, Inc. of the Carolinas
555 Fayetteville St., Suite 900 Raleigh, N.C. 27601
N.C.B.E.L.S. License Number: F-0116

<p>SIGN NUMBER: 55B TYPE: A QUANTITY: 1</p> <p>SIGN WIDTH: 51'-0" HEIGHT: 20'-6" TOTAL AREA: 1045.5 Sq.Ft.</p> <p>BORDER TYPE: FLUSH RECESS: 0" WIDTH: 3" RADIUS: 12"</p> <p>NO. Z BARS: 6 LENGTH: 604.0</p>	<p>BACKG COLOR: Green COPY COLOR: White</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>SYMBOL</th> <th>X</th> <th>Y</th> <th>WID</th> <th>HT</th> </tr> </thead> <tbody> <tr> <td>M1_1</td> <td>105.4</td> <td>177.4</td> <td>48</td> <td>48</td> </tr> <tr> <td>M1_4</td> <td>440.2</td> <td>178</td> <td>60</td> <td>48</td> </tr> <tr> <td>Through</td> <td>20.4</td> <td>12</td> <td>21.6</td> <td>66</td> </tr> <tr> <td>Through</td> <td>164.4</td> <td>12</td> <td>21.6</td> <td>66</td> </tr> <tr> <td>APL Arrow</td> <td>301.3</td> <td>12</td> <td>56</td> <td>66</td> </tr> <tr> <td>Right</td> <td>459.3</td> <td>12</td> <td>36.2</td> <td>45</td> </tr> </tbody> </table> <p>MAT'L: 0.125" (3.2 mm) ALUMINUM</p>	SYMBOL	X	Y	WID	HT	M1_1	105.4	177.4	48	48	M1_4	440.2	178	60	48	Through	20.4	12	21.6	66	Through	164.4	12	21.6	66	APL Arrow	301.3	12	56	66	Right	459.3	12	36.2	45	<p>DESIGN BY: R DRAYTON PROJECT ID: U-2579AA</p>	<p>CHECKED BY: R KING Nov 16, 2021 DIV: 9</p>
SYMBOL	X	Y	WID	HT																																		
M1_1	105.4	177.4	48	48																																		
M1_4	440.2	178	60	48																																		
Through	20.4	12	21.6	66																																		
Through	164.4	12	21.6	66																																		
APL Arrow	301.3	12	56	66																																		
Right	459.3	12	36.2	45																																		

USE NOTES: 1,2,3

1. Legend and border (except those that are colored black) shall be direct applied Grade A sheeting.
2. Background shall be Grade C reflective sheeting.
3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.
4. Bottom panel shall be yellow Grade C sheeting on background with black recessed border.
THICKNESS: 1.5" RECESS: 0.5"

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

	Letter spacings are to start of next letter																		Series/Size
	E	A	S	T															Text Length
	171.4	13.5	1.9	17	13.8	11.3	383.2												E 2000
																			57.4
	83	23	10.2	21.2	33.2	19.2	19.8	12	19.2	10.4	360.8								EM 2000
																			168.2
	348.8	26	12	19	17.4	15	19.8	13.2	10	7	10	20.6	21.2	10.2	19.4	22	20.4	EM 2000	
																			242.8
	375	19	19.4	14.8	19.4	19.4	12.6	17.2	21.2	12	12	10.2	13.2	46.6					EM 2000
																			190.4
	405.3	8.6	10.2	3.7	7.4	176.7													D 2000
																			30
	485.7	11.2	11	8.2	10.3	85.6													D 2000
																			40.7

FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN DESIGNS

9:48:36 AM 2/11/2022 c:\pwworking\veast\01\ad779653\U-2579AA-SIGN-5P.dgn

APPROVED: _____
DATE: _____



**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

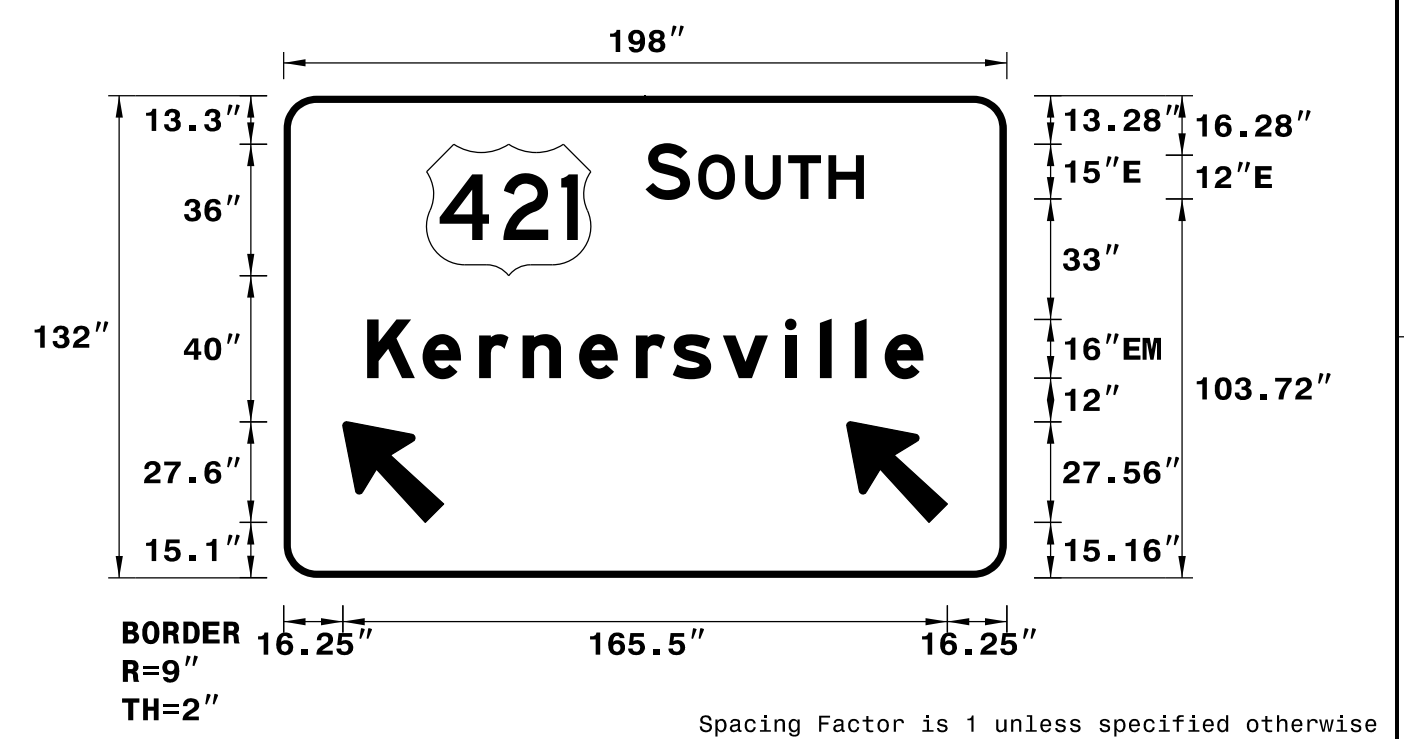
HDR HDR Engineering, Inc. of the Carolinas
555 Fayetteville St, Suite 900 Raleigh, N.C. 27601
N.C.B.E.L.S. License Number: F-0116

SIGN NUMBER: 56
TYPE: A
QUANTITY: 1
SIGN WIDTH: 16'-6"
HEIGHT: 11'-0"
TOTAL AREA: 181.5 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 9"
NO. Z BARS: 3
LENGTH: 190.0

SYMBOL	X	Y	WID	HT
M1_4	39.1	82.7	45	36
AR_Type A	16.2	15.2	22.2	35
AR_Type A	154.2	15.2	22.2	35

BACKG COLOR: Green
COPY COLOR: White
MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON
CHECKED BY: R KING
Oct 20, 2021
PROJECT ID: U-2579AA
DIV: 9



USE NOTES: 1, 2 & 3
1. Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
2. Background shall be Grade C reflective sheeting.
3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

LETTER POSITIONS

Letter spacings are to start of next letter													Series/Size	
													Text Length	
S	O	U	T	H									E 2000	
99.1	12.2	2.2	12.8	11.8	11	9.7	39.1						59.8	
K e r n e r s v i l l e													EM 2000	
22.8	15.2	15.5	11.8	15.5	15.5	10.1	13.8	17	9.6	9.6	8.2	10.6	22.8	152.3

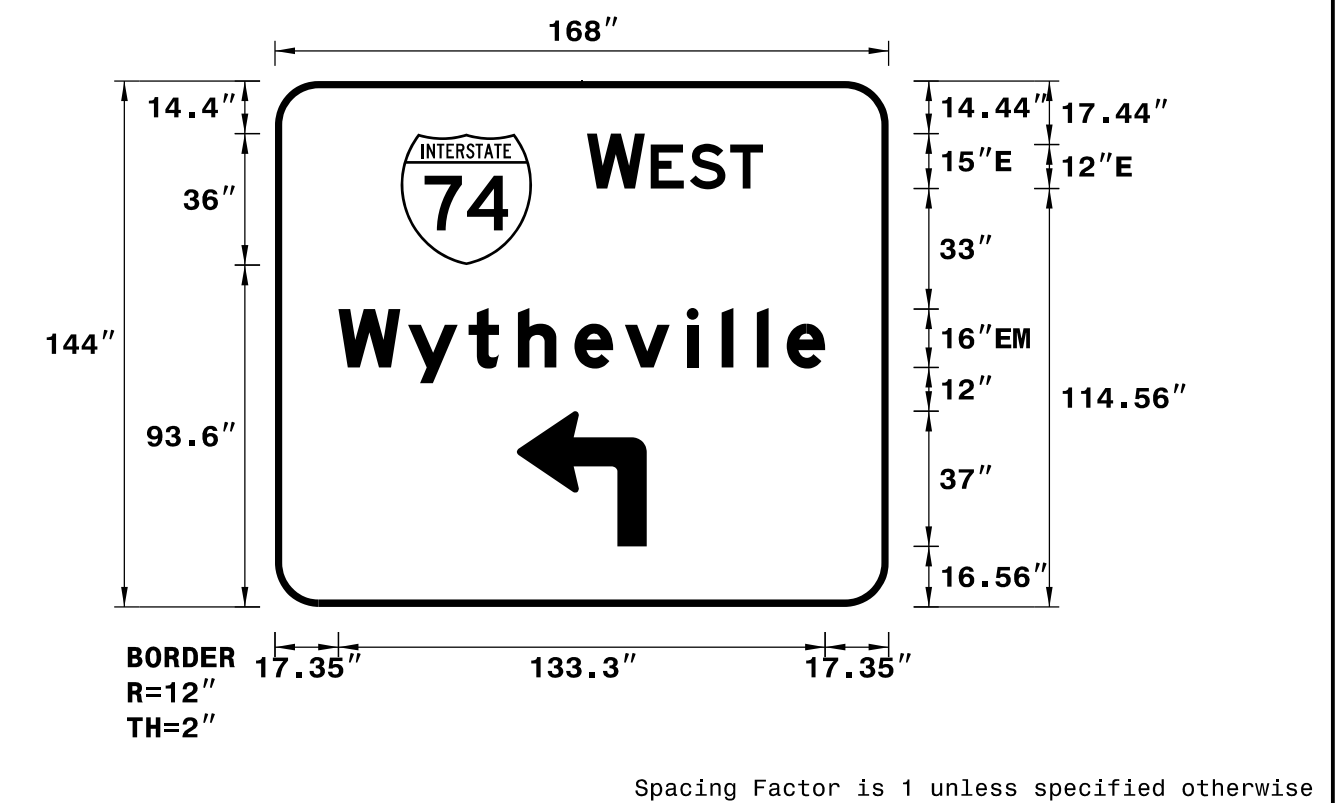
FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 57
TYPE: A
QUANTITY: 1
SIGN WIDTH: 14'-0"
HEIGHT: 12'-0"
TOTAL AREA: 168.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 12"
NO. Z BARS: 3
LENGTH: 160.0

SYMBOL	X	Y	WID	HT
M1_1	34.4	93.6	36	36
Type A Advance	66.3	16.6	35.5	37
Trun				

BACKG COLOR: Green
COPY COLOR: White
MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON
CHECKED BY: R KING
Feb 24, 2022
PROJECT ID: U-2579AA
DIV: 9



USE NOTES: 1, 2 & 3
1. Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
2. Background shall be Grade C reflective sheeting.
3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

LETTER POSITIONS

Letter spacings are to start of next letter													Series/Size
													Text Length
W	E	S	T										E 2000
85.4	15.9	1.6	10.7	11	9	34.4							48.2
W y t h e v i l l e													EM 2000
17.4	19	16.6	13.4	15.5	13.8	17	9.6	9.6	8.2	10.6	17.4		133.3

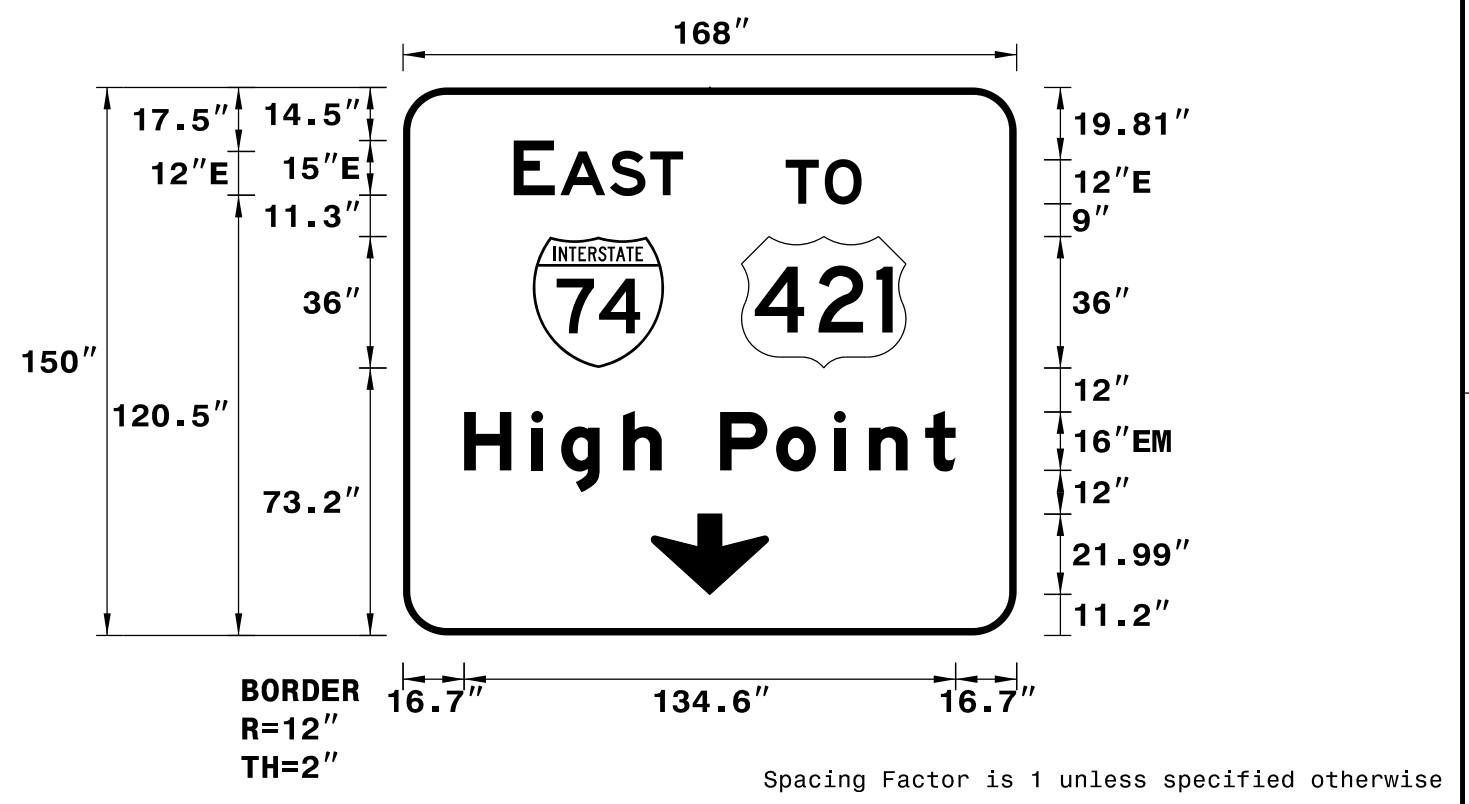
FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 58
TYPE: A
QUANTITY: 1
SIGN WIDTH: 14'-0"
HEIGHT: 12'-6"
TOTAL AREA: 175.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 12"
NO. Z BARS: 4
LENGTH: 160.0

SYMBOL	X	Y	WID	HT
M1_1	35.5	73.2	36	36
M1_4	92.7	73.2	45	36
ARDOWN	68	11.2	32	22

BACKG COLOR: Green
COPY COLOR: White
MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON
CHECKED BY: R KING
Oct 20, 2021
PROJECT ID: U-2579AA
DIV: 9



USE NOTES: 1, 2 & 3
1. Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
2. Background shall be Grade C reflective sheeting.
3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

LETTER POSITIONS

Letter spacings are to start of next letter													Series/Size
													Text Length
E	A	S	T										E 2000
30.3	11.3	1.5	13.6	11	9	91.3							46.4
T O													E 2000
104.8	10.7	10.1	42.4										20.8
H i g h P o i n t													EM 2000
16.7	18.4	8.2	17	10.6	16	15.4	15.8	9.6	15.4	8.3	16.7		134.6

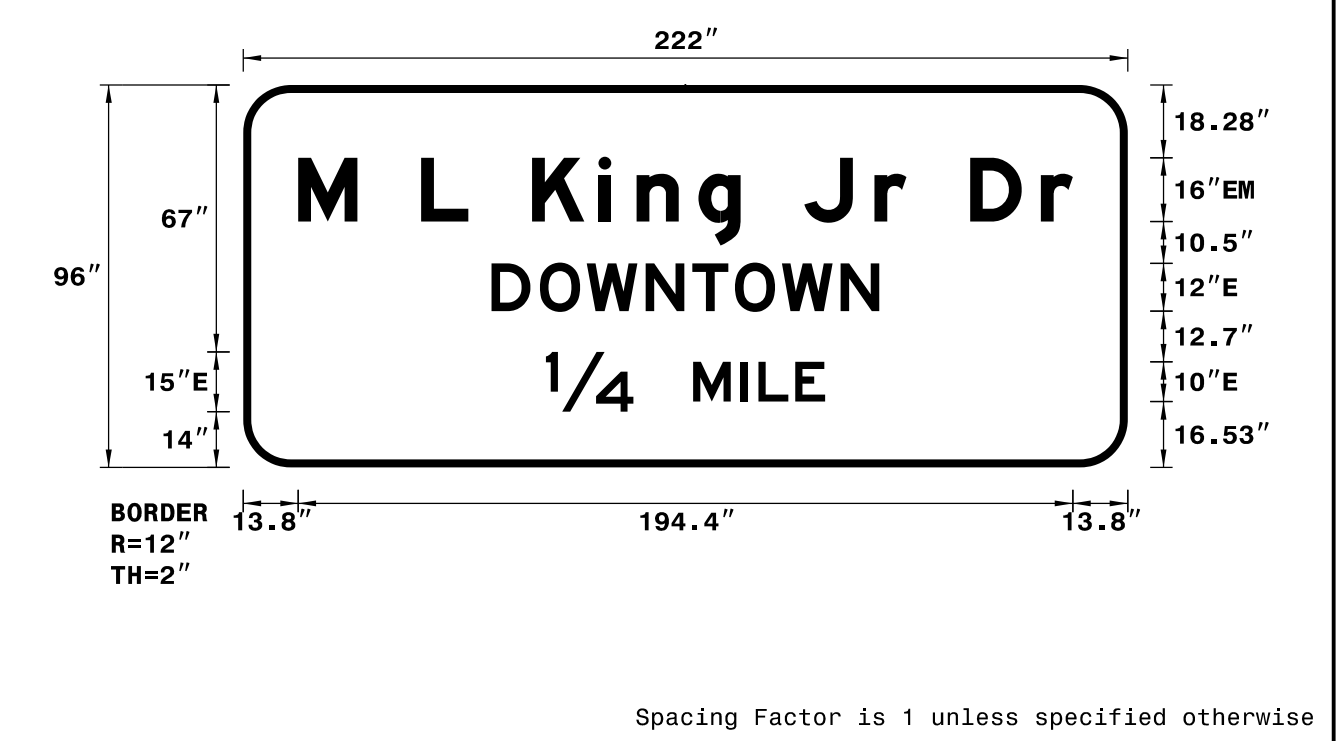
FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 75B
TYPE: A
QUANTITY: 1
SIGN WIDTH: 18'-6"
HEIGHT: 8'-0"
TOTAL AREA: 148.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 12"
NO. Z BARS: 3
LENGTH: 214.0

SYMBOL	X	Y	WID	HT

BACKG COLOR: Green
COPY COLOR: White
MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON
CHECKED BY: R KING
Jan 24, 2022
PROJECT ID: U-2579AA
DIV: 9



USE NOTES: 1 & 2
1. Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
2. Background shall be Grade C reflective sheeting.
3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

LETTER POSITIONS

Letter spacings are to start of next letter													Series/Size			
													Text Length			
M	L	K	i	n	g	J	r	D	r				EM 2000			
13.8	14.9	16	11.8	16	16.6	9.6	15.5	10.6	16	17.6	8	16	17.8	8	13.8	194.4
D O W N T O W N													E 2000			
62.3	12.1	11.8	14.8	11.8	10.7	11.8	14.8	9.7	62.3					97.3		
1/4 M I L E													E 2000			
76	22	15	12	4.4	9.2	7.5	76							70.1		

FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

2:41:09 PM 2/25/2022 c:\pwworking\eesat01\40779653\U-2579AA-SIGN-5Z.dgn

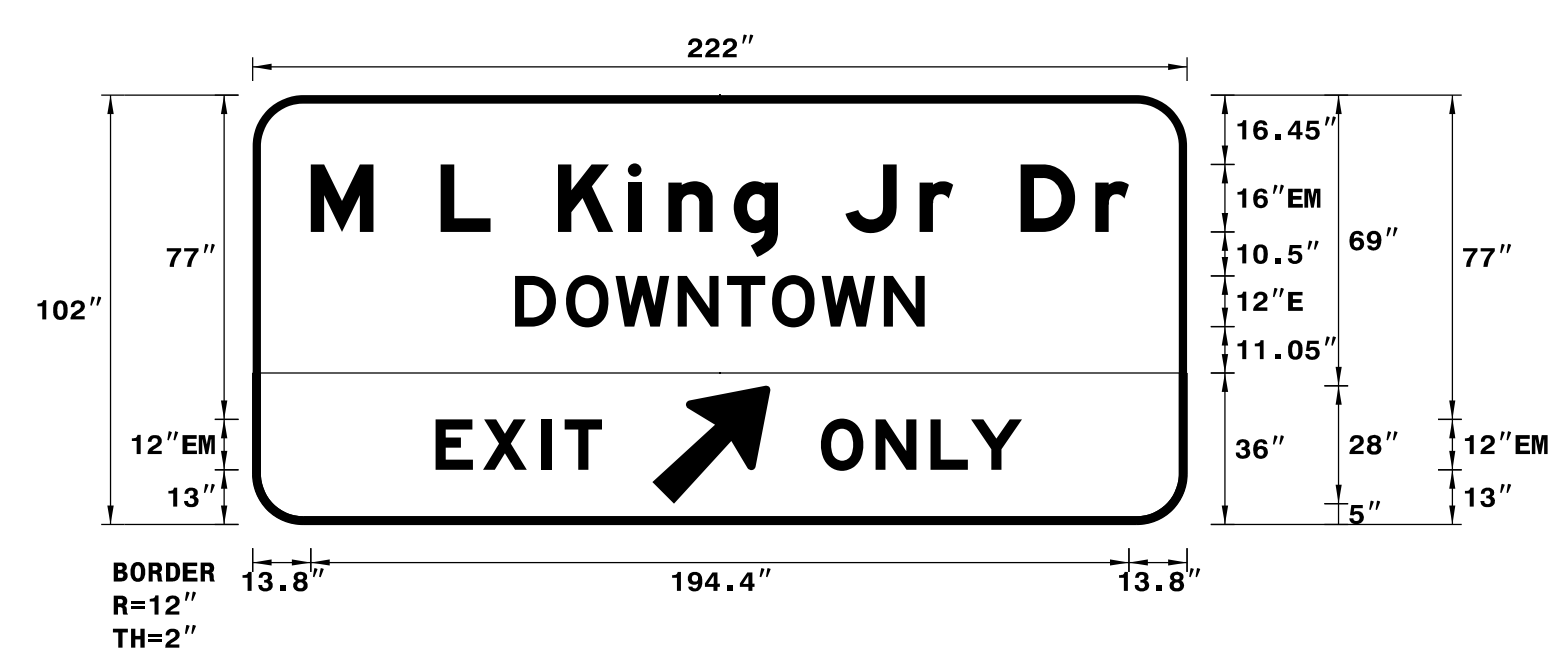
SIGN NUMBER: 76B
TYPE: A
QUANTITY: 1
SIGN WIDTH: 18'-6"
HEIGHT: 8'-6"
TOTAL AREA: 157.3 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 12"
NO. Z BARS: 3
LENGTH: 214.0

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
AR_Type A	95	5	22.6	35.6

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON
PROJECT ID: U-2579AA
CHECKED BY: R KING
Jan 24, 2022
DIV: 9



- USE NOTES: 1, 2, 3 & 4
- Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
 - Background shall be Grade C reflective sheeting.
 - Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.
 - Bottom panel shall be yellow Grade C sheeting on background with black recessed border. THICKNESS: 1.5" RECESS: 0.5"

INCREASE "EXIT" SPACING BY 1.40
Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
EM 2000	194.4
E 2000	97.3
EM 2000	39.5
EM 2000	47.8

FILENAME: U2579AA_SignDesigns

NORTH CAROLINA D.O.T. SIGN DETAIL

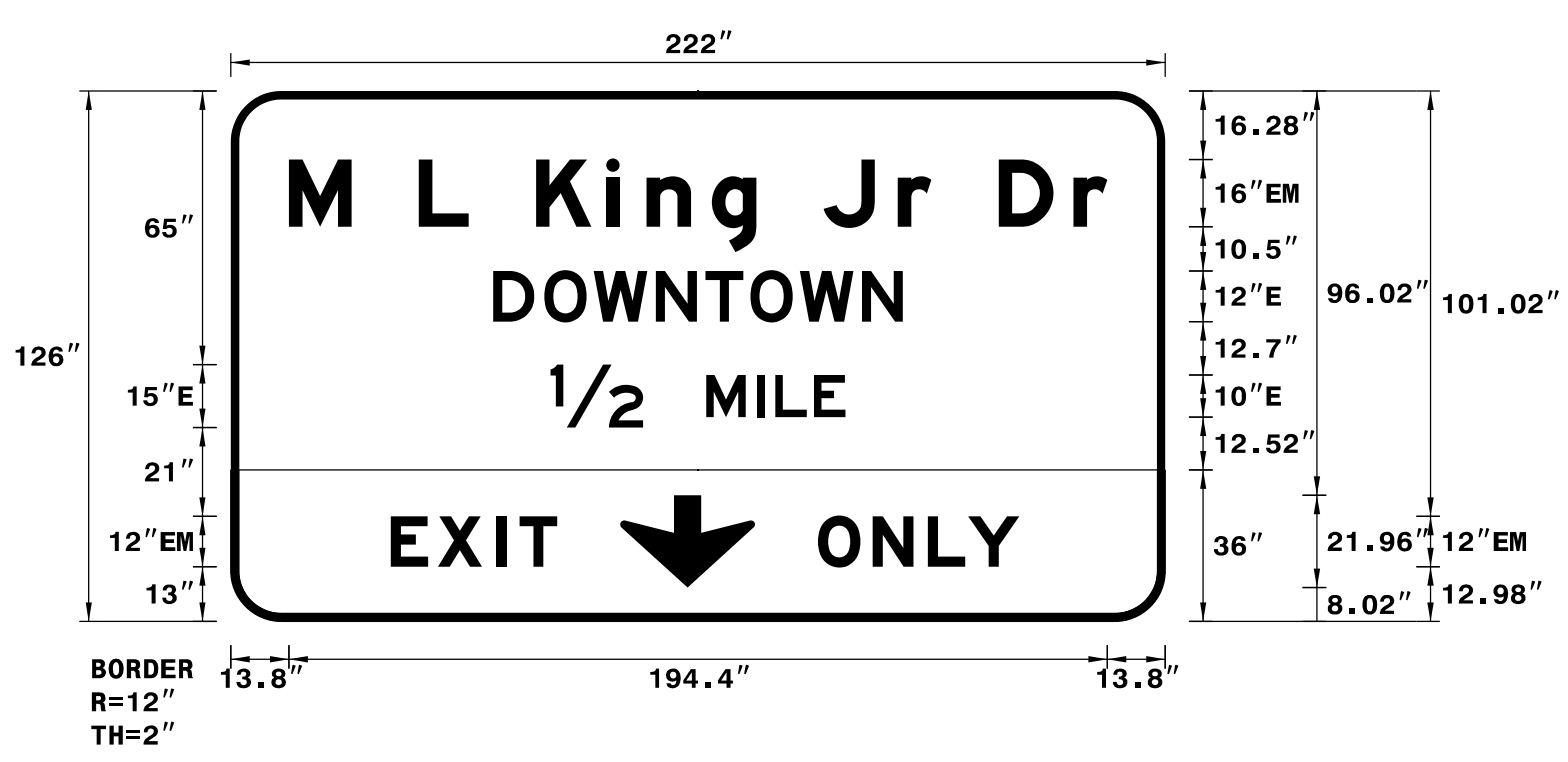
SIGN NUMBER: 78B
TYPE: A
QUANTITY: 1
SIGN WIDTH: 18'-6"
HEIGHT: 10'-6"
TOTAL AREA: 194.3 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 12"
NO. Z BARS: 3
LENGTH: 214.0

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
ARDOWN	92.5	8	32	22

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON
PROJECT ID: U-2579AA
CHECKED BY: R KING
Jan 24, 2022
DIV: 9



- USE NOTES: 1, 2, 3 & 4
- Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
 - Background shall be Grade C reflective sheeting.
 - Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.
 - Bottom panel shall be yellow Grade C sheeting on background with black recessed border. THICKNESS: 1.5" RECESS: 0.5"

INCREASE "EXIT" SPACING BY 1.40
Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
EM 2000	194.4
E 2000	97.3
E 2000	70.1
EM 2000	39.5
EM 2000	47.8

FILENAME: U2579AA_SignDesigns

NORTH CAROLINA D.O.T. SIGN DETAIL

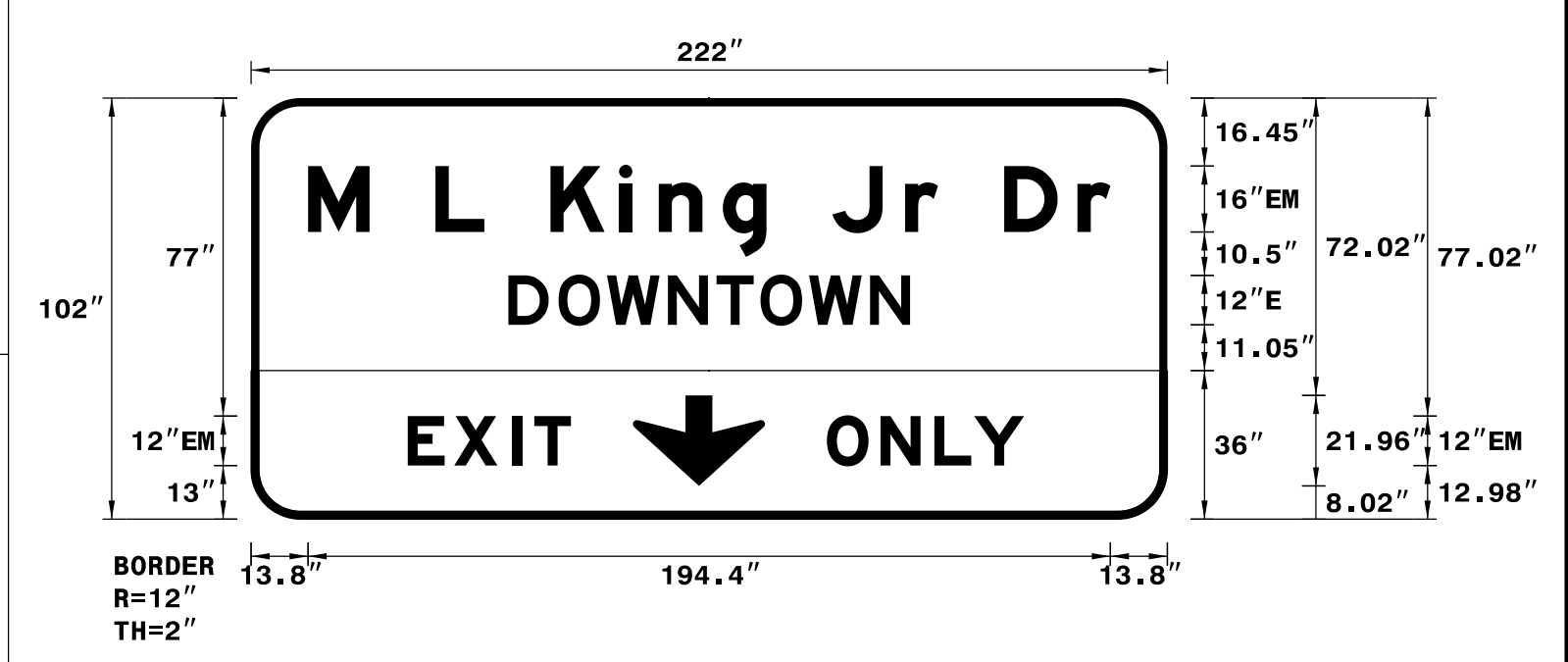
SIGN NUMBER: 77B
TYPE: A
QUANTITY: 1
SIGN WIDTH: 18'-6"
HEIGHT: 8'-6"
TOTAL AREA: 157.3 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 12"
NO. Z BARS: 3
LENGTH: 214.0

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
ARDOWN	92.5	8	32	22

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON
PROJECT ID: U-2579AA
CHECKED BY: R KING
Jan 24, 2022
DIV: 9



- USE NOTES: 1, 2, 3 & 4
- Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
 - Background shall be Grade C reflective sheeting.
 - Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.
 - Bottom panel shall be yellow Grade C sheeting on background with black recessed border. THICKNESS: 1.5" RECESS: 0.5"

INCREASE "EXIT" SPACING BY 1.40
Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
EM 2000	194.4
E 2000	97.3
EM 2000	39.5
EM 2000	47.8

FILENAME: U2579AA_SignDesigns

NORTH CAROLINA D.O.T. SIGN DETAIL

APPROVED: _____
DATE: _____

SEAL

7/12/2022

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UNLESS ALL SIGNATURES COMPLETED

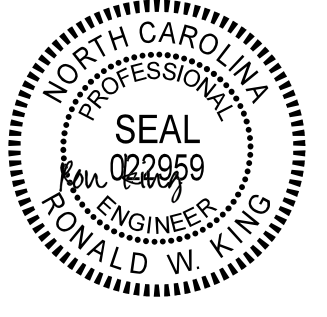
HDR HDR Engineering, Inc. of the Carolinas
555 Fayetteville St, Suite 900 Raleigh, N.C. 27601
N.C.B.E.L.S. License Number: F-0116

9:24:36 AM 2/11/2022 c:\pwworking\eesat01\c0779653\U-2579AA-SIGN-5RA.dgn

APPROVED: _____

DATE: _____

SEAL



7/12/2022

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UNLESS ALL SIGNATURES COMPLETED**

HDR HDR Engineering, Inc. of the Carolinas
555 Fayetteville St. Suite 900 Raleigh, N.C. 27601
N.C.B.E.L.S. License Number: F-0116

SIGN NUMBER: 102A & 105A BACKG COLOR: Green
TYPE: B COPY COLOR: White

QUANTITY: 2

SYMBOL	X	Y	WID	HT

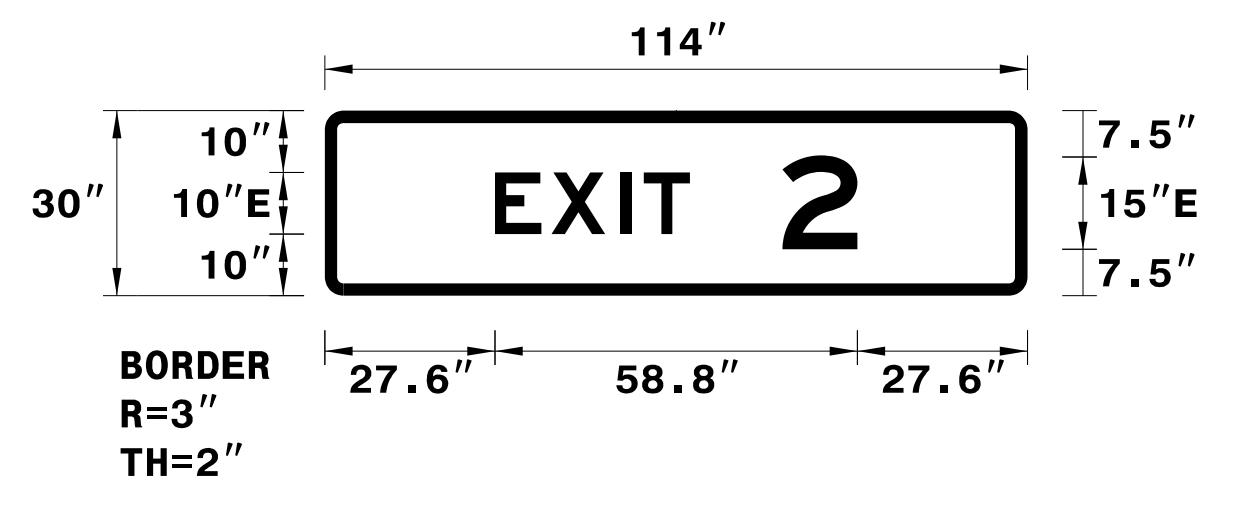
SIGN WIDTH: 9'-6"
HEIGHT: 2'-6"
TOTAL AREA: 23.8 Sq.Ft.

BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 3"

MAT'L: 0.125" (3.2 mm) ALUMINUM

NO. Z BARS: 2
LENGTH: 106.0

DESIGN BY: R DRAYTON CHECKED BY: R KING Feb 10, 2022
PROJECT ID: U-28278 DIV: 9



SIGN NUMBER: 103A BACKG COLOR: Green
TYPE: B COPY COLOR: White

QUANTITY: 1

SYMBOL	X	Y	WID	HT

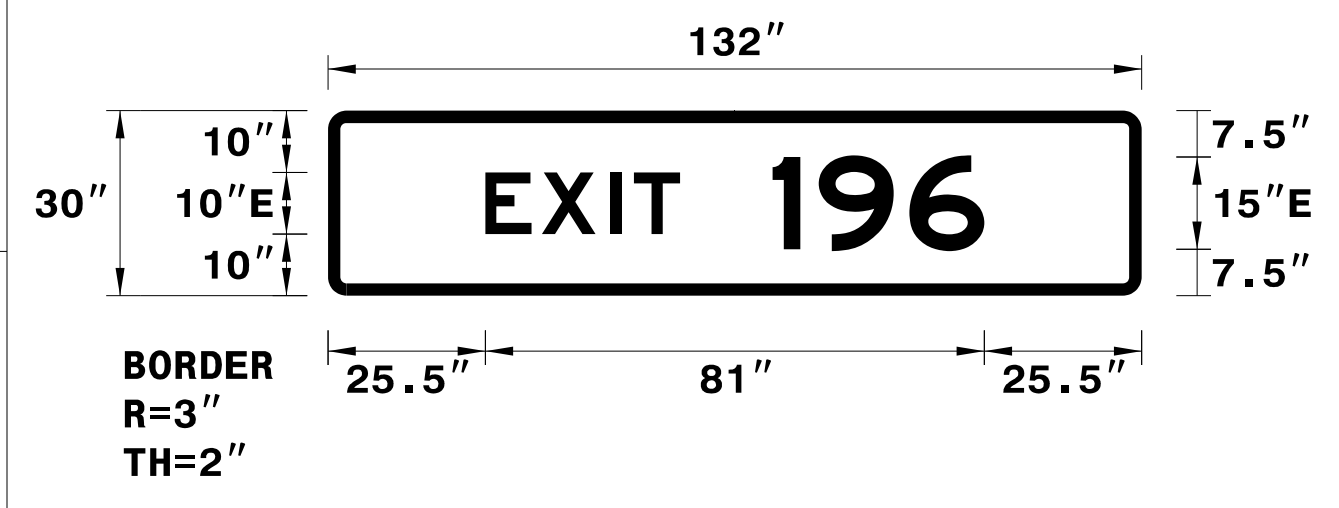
SIGN WIDTH: 11'-0"
HEIGHT: 2'-6"
TOTAL AREA: 27.5 Sq.Ft.

BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 3"

MAT'L: 0.125" (3.2 mm) ALUMINUM

NO. Z BARS: 2
LENGTH: 124.0

DESIGN BY: R DRAYTON CHECKED BY: R KING Nov 16, 2021
PROJECT ID: U-2579AA DIV: 9



USE NOTES: 1,2
1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
2. Background shall be Grade C reflective sheeting.

USE NOTES: 1,2
1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
2. Background shall be Grade C reflective sheeting.

INCREASE "EXIT" SPACING BY 1.20
Spacing Factor is 1 unless specified otherwise

INCREASE "EXIT" SPACING BY 1.20
Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
E	2000
27.6	9.2 11.1 3.8 7.5 54.8
2	31.6
74.2	12.2 27.6
E	2000
	12.2

FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
E	2000
25.5	9.2 11.1 3.8 7.5 74.9
1	31.6
72.1	7.5 14.7 12.2 25.5
E	2000
	34.4

FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 104A & 117A BACKG COLOR: Green
TYPE: B COPY COLOR: White

QUANTITY: 2

SYMBOL	X	Y	WID	HT

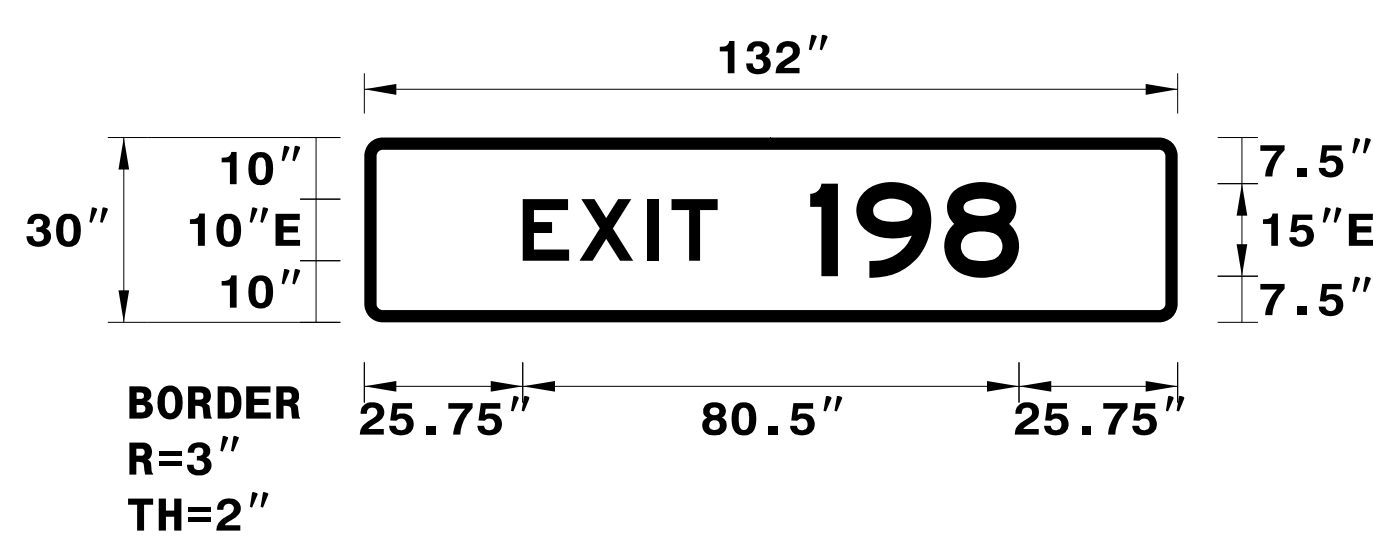
SIGN WIDTH: 11'-0"
HEIGHT: 2'-6"
TOTAL AREA: 27.5 Sq.Ft.

BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 3"

MAT'L: 0.125" (3.2 mm) ALUMINUM

NO. Z BARS: 2
LENGTH: 124.0

DESIGN BY: R DRAYTON CHECKED BY: R KING Oct 21, 2021
PROJECT ID: U-2579AA DIV: 9



SIGN NUMBER: 118A BACKG COLOR: Green
TYPE: A COPY COLOR: White

QUANTITY: 1

SYMBOL	X	Y	WID	HT

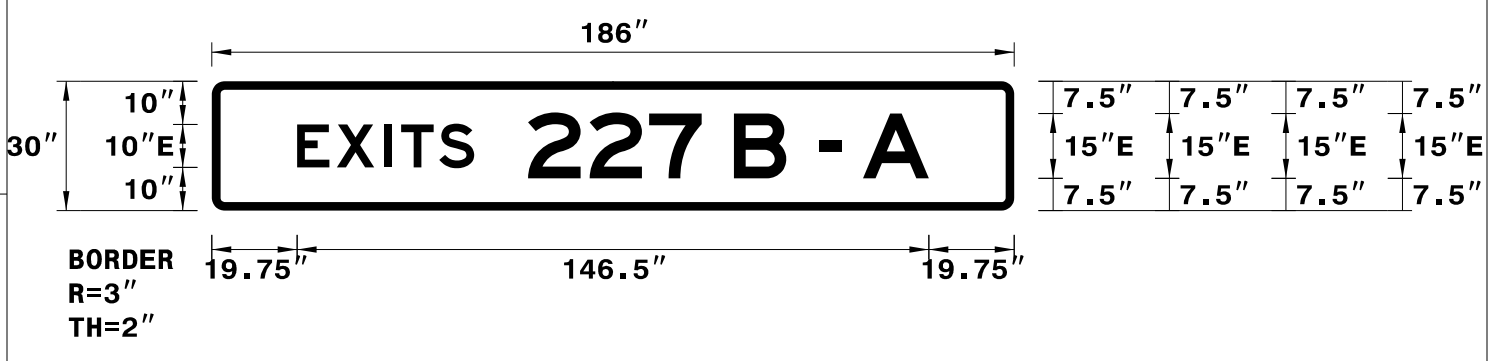
SIGN WIDTH: 15'-6"
HEIGHT: 2'-6"
TOTAL AREA: 38.8 Sq.Ft.

BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 3"

MAT'L: 0.125" (3.2 mm) ALUMINUM

NO. Z BARS: 2
LENGTH: 178.0

DESIGN BY: R DRAYTON CHECKED BY: R KING Nov 12, 2021
PROJECT ID: U-2579AA DIV: 9



USE NOTES: 1,2
1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
2. Background shall be Grade C reflective sheeting.

USE NOTES: 1,2
1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
2. Background shall be Grade C reflective sheeting.

INCREASE "EXIT" SPACING BY 1.20
Spacing Factor is 1 unless specified otherwise

INCREASE "EXITS" SPACING BY 1.20
Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
E	2000
25.7	9.2 11.1 3.8 7.5 74.6
1	31.6
72.4	7.5 14.2 12.2 25.7
E	2000
	33.9

FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
E	2000
19.8	9.2 11.1 3.8 8.8 8.1 125.2
2	41.1
73.3	14.3 13.8 12.2 7.5 12.2 7.5 5.3 5 15.3 19.8
E	2000
	92.9

FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

I:\4540_AM 2/28/2022 6:15pm\working\east01\40779653\U-2579AA_SIGN-5V.dgn

SIGN DESIGNS

APPROVED: _____

DATE: _____

SEAL



7/12/2022

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

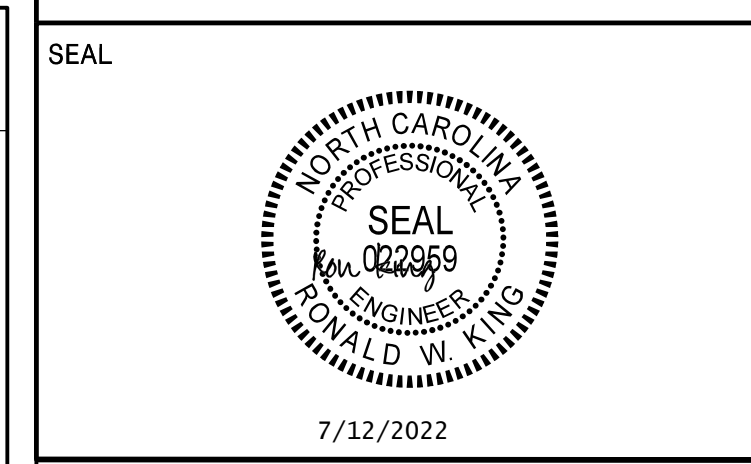
HDR HDR Engineering, Inc. of the Carolinas
555 Fayetteville St. Suite 900 Raleigh, N.C. 27601
N.C.B.E.L.S. License Number: F-0116

SIGN NUMBER: 118B TYPE: A QUANTITY: 1 SIGN WIDTH: 15'-6" HEIGHT: 12'-6" TOTAL AREA: 193.8 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 2" RADII: 12" NO. Z BARS: 4 LENGTH: 178.0	BACKG COLOR: Green COPY COLOR: White <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>SYMBOL</th> <th>X</th> <th>Y</th> <th>WID</th> <th>HT</th> </tr> </thead> <tbody> <tr> <td>M1_1</td> <td>75</td> <td>96.9</td> <td>36</td> <td>36</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table> MAT'L: 0.125" (3.2 mm) ALUMINUM	SYMBOL	X	Y	WID	HT	M1_1	75	96.9	36	36																																														DESIGN BY: R DRAYTON PROJECT ID: U-2579AA CHECKED BY: R KING Nov 19, 2021 DIV: 9	<p style="font-size: small;">Spacing Factor is 1 unless specified otherwise</p>																																																								
SYMBOL	X	Y	WID	HT																																																																																																														
M1_1	75	96.9	36	36																																																																																																														
USE NOTES: 1, 2 & 3 1. Legend and border (except those that are colored black) shall be direct applied Grade C sheeting. 2. Background shall be Grade C reflective sheeting. 3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.																																																																																																																		
<p>LETTER POSITIONS</p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th colspan="14">Letter spacings are to start of next letter</th> <th>Series/Size</th> </tr> <tr> <th></th> <th>W</th> <th>y</th> <th>t</th> <th>h</th> <th>e</th> <th>v</th> <th>i</th> <th>l</th> <th>l</th> <th>e</th> <th></th> <th></th> <th></th> <th></th> <th>Text Length</th> </tr> </thead> <tbody> <tr> <td></td> <td>26.4</td> <td>19</td> <td>16.6</td> <td>13.4</td> <td>15.5</td> <td>13.8</td> <td>17</td> <td>9.6</td> <td>9.6</td> <td>8.2</td> <td>10.6</td> <td>26.4</td> <td></td> <td></td> <td>EM 2000 133.3</td> </tr> <tr> <td></td> <td></td> <td>H</td> <td>i</td> <td>g</td> <td>h</td> <td></td> <td>P</td> <td>o</td> <td>i</td> <td>n</td> <td>t</td> <td></td> <td></td> <td></td> <td>EM 2000 134.6</td> </tr> <tr> <td></td> <td>25.7</td> <td>18.4</td> <td>8.2</td> <td>17</td> <td>10.6</td> <td>16</td> <td>15.4</td> <td>15.8</td> <td>9.6</td> <td>15.4</td> <td>8.3</td> <td>25.7</td> <td></td> <td></td> <td>E 2000 52.6</td> </tr> <tr> <td></td> <td></td> <td>1</td> <td></td> <td>M</td> <td>I</td> <td>L</td> <td>E</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>66.7</td> <td>4.5</td> <td>15</td> <td>12</td> <td>4.4</td> <td>9.2</td> <td>7.5</td> <td>66.7</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p style="font-size: x-small;">FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL</p>				Letter spacings are to start of next letter														Series/Size		W	y	t	h	e	v	i	l	l	e					Text Length		26.4	19	16.6	13.4	15.5	13.8	17	9.6	9.6	8.2	10.6	26.4			EM 2000 133.3			H	i	g	h		P	o	i	n	t				EM 2000 134.6		25.7	18.4	8.2	17	10.6	16	15.4	15.8	9.6	15.4	8.3	25.7			E 2000 52.6			1		M	I	L	E										66.7	4.5	15	12	4.4	9.2	7.5	66.7							
Letter spacings are to start of next letter														Series/Size																																																																																																				
	W	y	t	h	e	v	i	l	l	e					Text Length																																																																																																			
	26.4	19	16.6	13.4	15.5	13.8	17	9.6	9.6	8.2	10.6	26.4			EM 2000 133.3																																																																																																			
		H	i	g	h		P	o	i	n	t				EM 2000 134.6																																																																																																			
	25.7	18.4	8.2	17	10.6	16	15.4	15.8	9.6	15.4	8.3	25.7			E 2000 52.6																																																																																																			
		1		M	I	L	E																																																																																																											
	66.7	4.5	15	12	4.4	9.2	7.5	66.7																																																																																																										

I:\5306_AM
 2/28/2022
 et:\pwworking\east01\job779653\U-2579AA_SIGN-5BB.dgn

SIGN DESIGNS

APPROVED: _____
DATE: _____



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

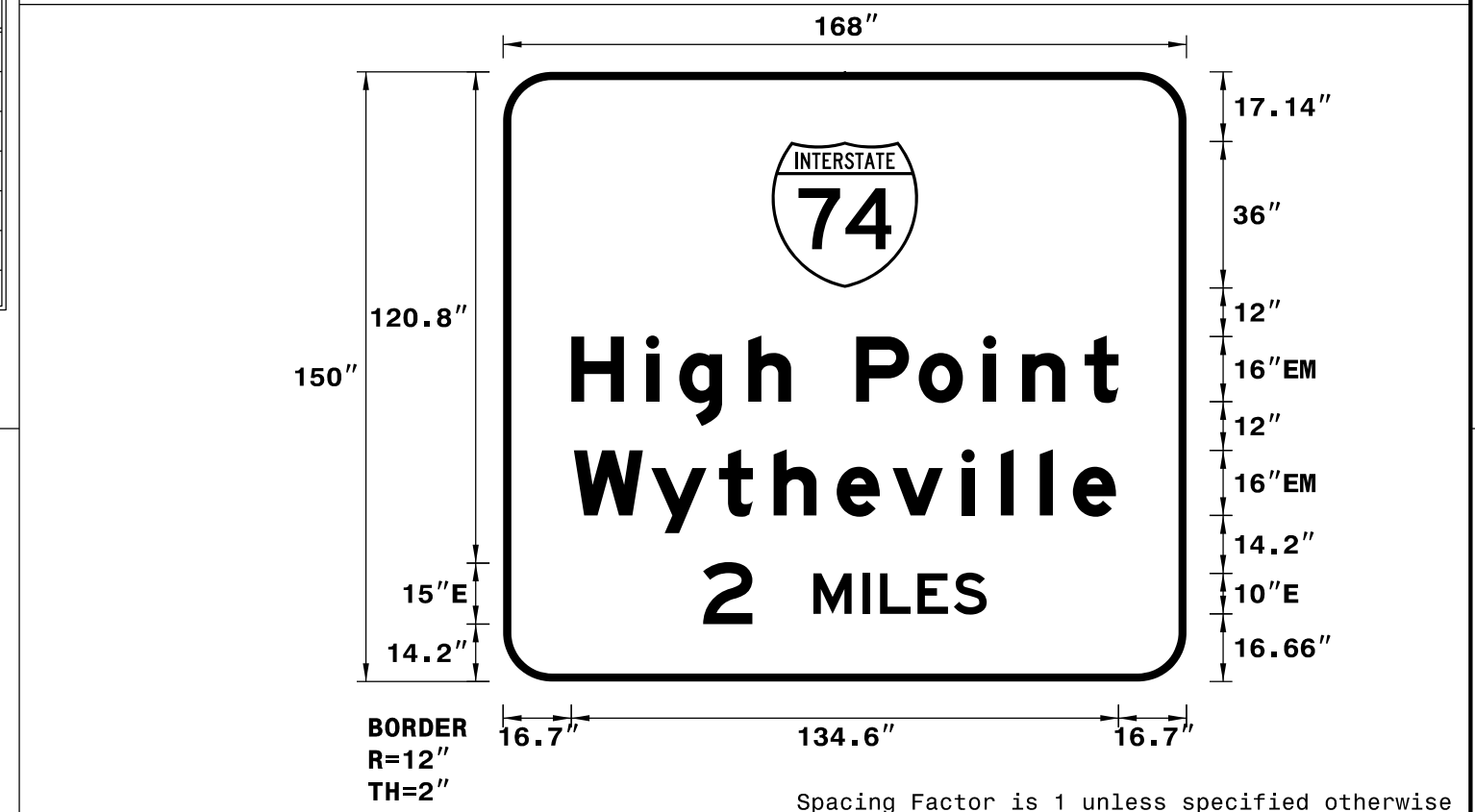
HDR HDR Engineering, Inc. of the Carolinas
555 Fayetteville St, Suite 900 Raleigh, N.C. 27601
N.C.B.E.L.S. License Number: F-0116

SIGN NUMBER: 117B
TYPE: A
QUANTITY: 1
SIGN WIDTH: 14'-0"
HEIGHT: 12'-6"
TOTAL AREA: 175.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 12"
NO. Z BARS: 4
LENGTH: 160.0

BACKG COLOR: Green
COPY COLOR: White
SYMBOL X Y WID HT
M1_1 66 96.9 36 36

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON
PROJECT ID: U-2827B
CHECKED BY: R KING
Feb 07, 2022
DIV: 9



USE NOTES: 1, 2 & 3
1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
2. Background shall be Grade C reflective sheeting.
3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

LETTER POSITIONS

Letter spacings are to start of next letter

	H	i	g	h	P	o	i	n	t	Series/Size			
	16.7	18.4	8.2	17	10.6	16	15.4	15.8	9.6	15.4	8.3	16.7	EM 2000
													134.6
	17.4	19	16.6	13.4	15.5	13.8	17	9.6	9.6	8.2	10.6	17.4	EM 2000
													133.3
	2	M	I	L	E	S							E 2000
	49.1	12.2	15	12	4.4	9.2	8.9	8.1	49.1				69.8

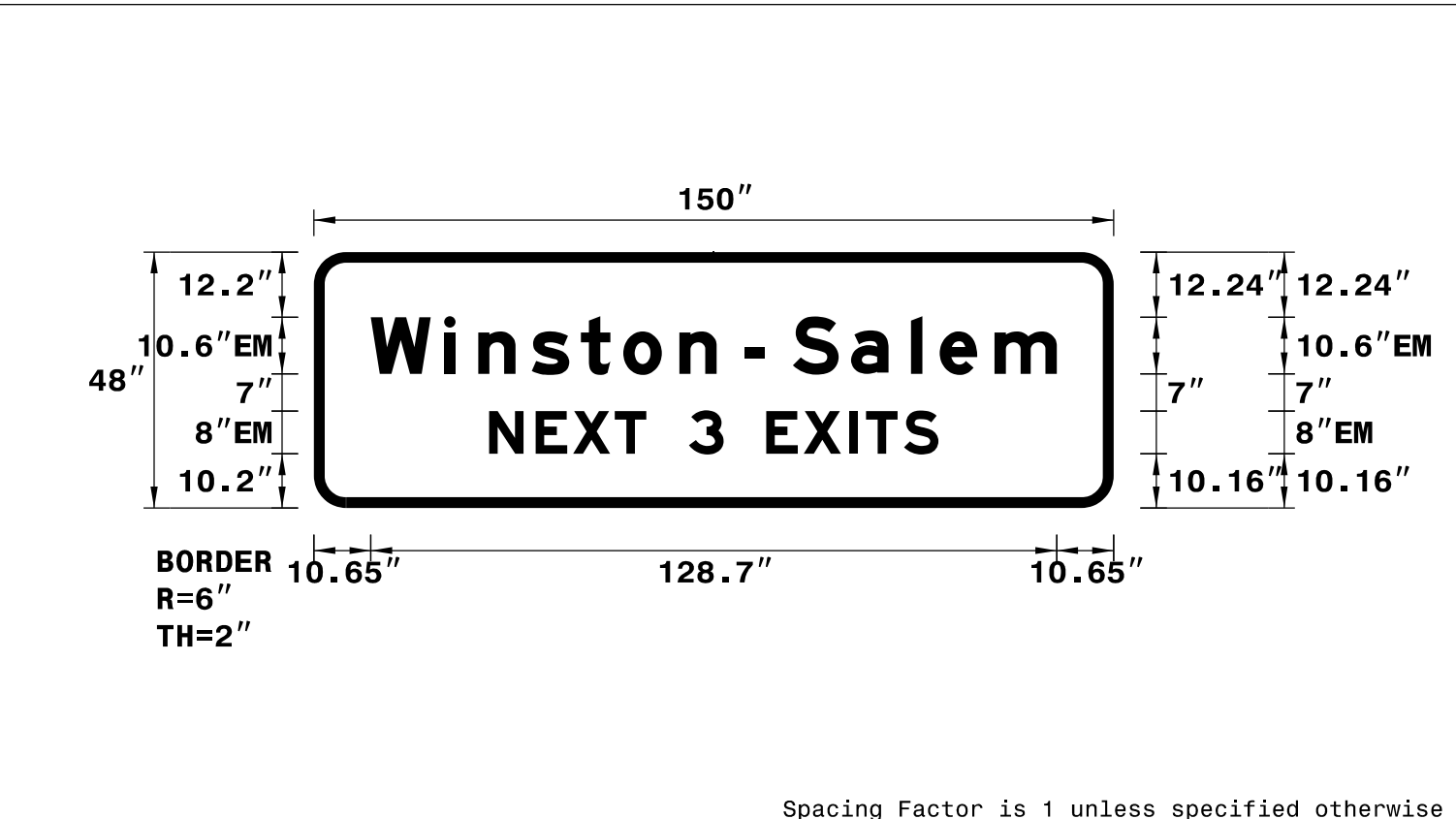
FILENAME: U2579AA_SignDesigns

SIGN NUMBER: 101
TYPE: A
QUANTITY: 1
SIGN WIDTH: 12'-6"
HEIGHT: 4'-0"
TOTAL AREA: 50.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 6"
NO. Z BARS: 2
LENGTH: 142.0

BACKG COLOR: Green
COPY COLOR: White
SYMBOL X Y WID HT

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON
PROJECT ID: U-2579AA
CHECKED BY: R KING
Oct 21, 2021
DIV: 9



USE NOTES: 1, 2 & 3
1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
2. Background shall be Grade C reflective sheeting.
3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

LETTER POSITIONS

Letter spacings are to start of next letter

	W	i	n	s	t	o	n	-	S	a	l	e	m	Series/Size				
	10.7	13.8	6.4	10.1	9.2	8	10.5	7	5.3	3.7	5.3	10.9	11.2	5.4	10.3	11.7	10.7	EM 2000
																		128.7
	32.8	8.7	7	7.8	5.9	8	6.5	8	7	8.6	3	7.1	6.5	32.8				EM 2000
																		84.3

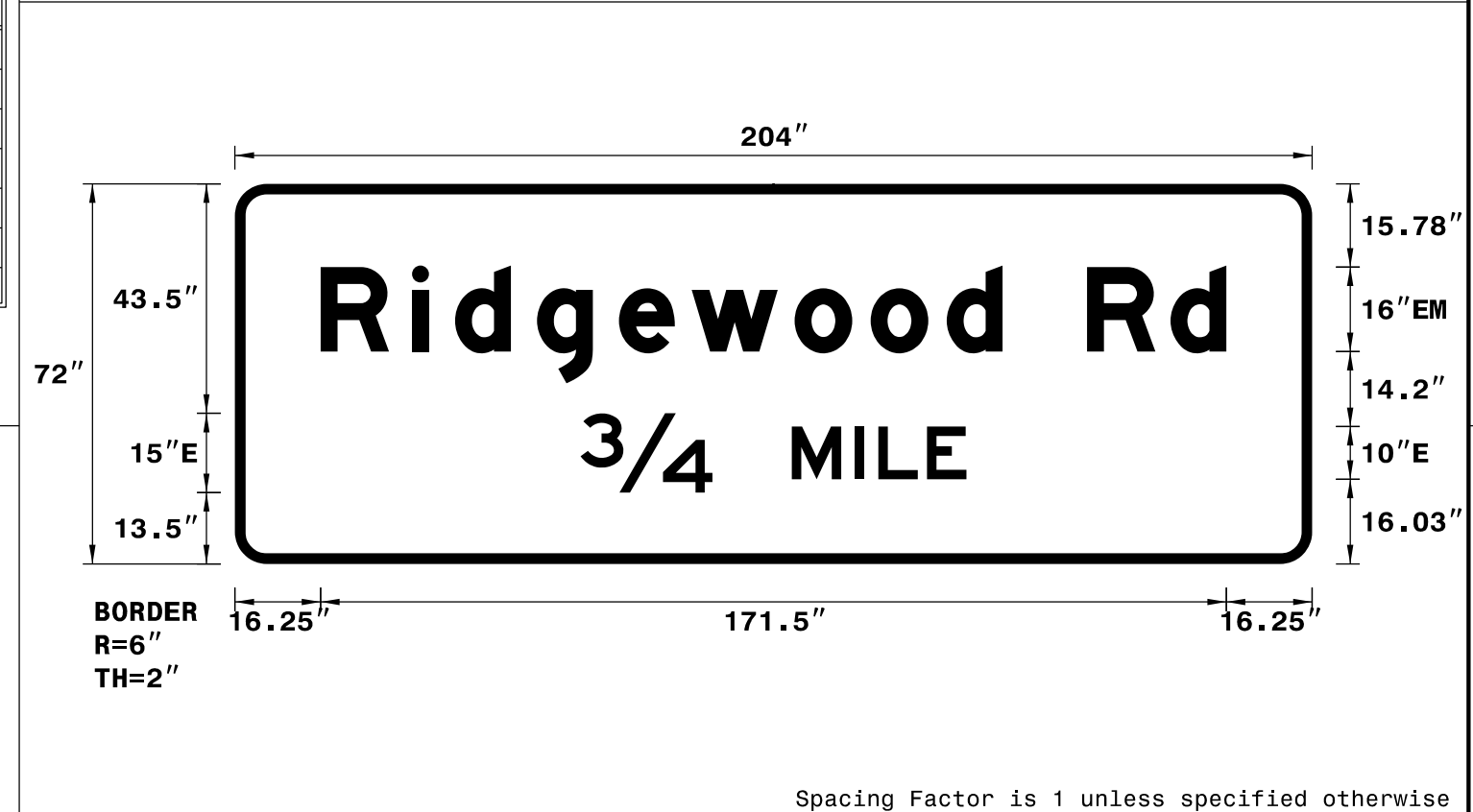
FILENAME: U2579AA_SignDesigns

SIGN NUMBER: 102B
TYPE: A
QUANTITY: 1
SIGN WIDTH: 17'-0"
HEIGHT: 6'-0"
TOTAL AREA: 102.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 6"
NO. Z BARS: 2
LENGTH: 196.0

BACKG COLOR: Green
COPY COLOR: White
SYMBOL X Y WID HT

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON
PROJECT ID: U-2579AA
CHECKED BY: R KING
Oct 21, 2021
DIV: 9



USE NOTES: 1, 2 & 3
1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
2. Background shall be Grade C reflective sheeting.
3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

LETTER POSITIONS

Letter spacings are to start of next letter

	R	i	d	g	e	w	o	o	d	R	d	Series/Size			
	16.2	17.3	8.2	15.5	15.5	13.8	19.5	14.4	14.4	10.6	16	15.8	10.6	16.2	EM 2000
															171.5
	65.5	25	15	12	4.4	9.2	7.5	65.5							E 2000
															73.1

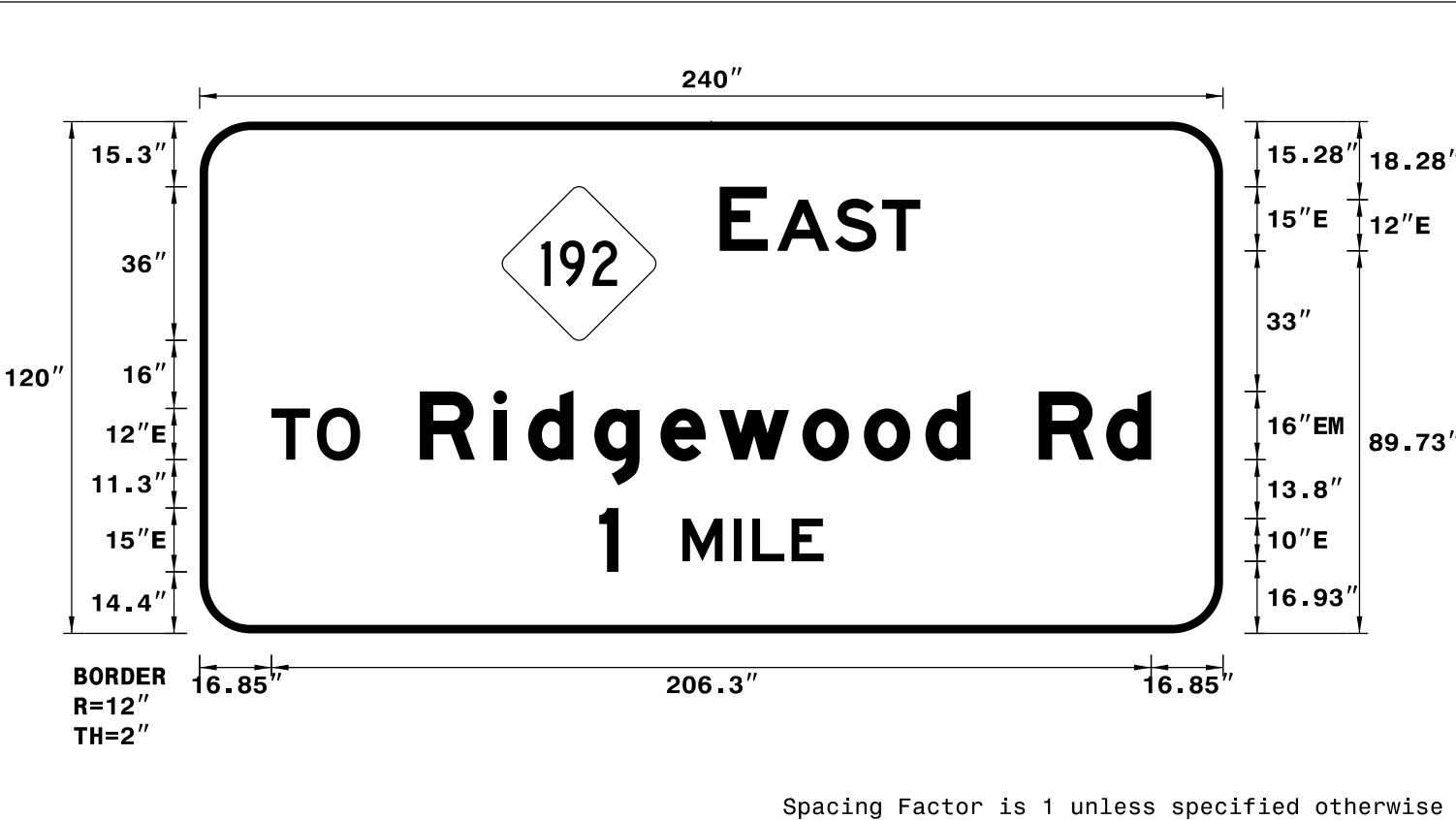
FILENAME: U2579AA_SignDesigns

SIGN NUMBER: 103B
TYPE: A
QUANTITY: 1
SIGN WIDTH: 20'-0"
HEIGHT: 10'-0"
TOTAL AREA: 200.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 12"
NO. Z BARS: 3
LENGTH: 232.0

BACKG COLOR: Green
COPY COLOR: White
SYMBOL X Y WID HT
M1-5-3-24-7C 71 68.7 36 36

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON
PROJECT ID: U-2579AA
CHECKED BY: R KING
Feb 24, 2022
DIV: 9



USE NOTES: 1, 2 & 3
1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
2. Background shall be Grade C reflective sheeting.
3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

LETTER POSITIONS

Letter spacings are to start of next letter

	E	A	S	T	Series/Size										
	122	11.2	2.2	13.6	11	9	71	EM 2000							
								47							
	16.9	10.7	10.1	202.4				E 2000							
								20.8							
	51.6	17.3	8.2	15.5	15.5	13.8	19.5	14.4	14.4	10.6	16	15.8	10.6	16.9	EM 2000
															171.5
	93.7	4.5	15	12	4.4	9.2	7.5	93.7							E 2000
															52.6

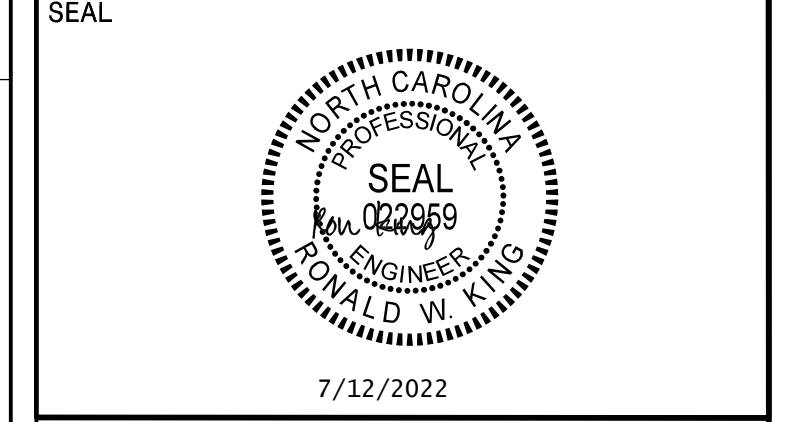
FILENAME: U2579AA_SignDesigns

2:42:56 PM 2/25/2022 c:\pwworking\eesat01\c0779653\U-2579AA-SIGN-5U\W.dgn

SIGN DESIGNS

APPROVED: _____

DATE: _____



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HDR HDR Engineering, Inc. of the Carolinas
555 Fayetteville St, Suite 900 Raleigh, N.C. 27601
N.C.B.E.L.S. License Number: F-0116

SIGN NUMBER: 104B
TYPE: A
QUANTITY: 1
SIGN WIDTH: 14'-0"
HEIGHT: 12'-6"
TOTAL AREA: 175.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 12"
NO. Z BARS: 4
LENGTH: 160.0

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
M1_1	66	96.9	36	36

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON
PROJECT ID: U-2579AA
CHECKED BY: R KING
Oct 21, 2021
DIV: 9

BORDER R=12" TH=2" Spacing Factor is 1 unless specified otherwise

USE NOTES: 1, 2 & 3

- Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
- Background shall be Grade C reflective sheeting.
- Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
EM 2000	134.6
EM 2000	133.3
E 2000	52.6

FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 105B
TYPE: A
QUANTITY: 1
SIGN WIDTH: 17'-0"
HEIGHT: 6'-0"
TOTAL AREA: 102.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 6"
NO. Z BARS: 2
LENGTH: 196.0

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
M1_1				

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON
PROJECT ID: U-2579AA
CHECKED BY: R KING
Nov 16, 2021
DIV: 9

BORDER R=6" TH=2" Spacing Factor is 1 unless specified otherwise

USE NOTES: 1 & 2

- Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
- Background shall be Grade C reflective sheeting.
- Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
EM 2000	171.5
E 2000	52.6

FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 106
TYPE: A
QUANTITY: 1
SIGN WIDTH: 12'-6"
HEIGHT: 10'-0"
TOTAL AREA: 125.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 12"
NO. Z BARS: 3
LENGTH: 142.0

BACKG COLOR: Green/Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
M1_1	60.2	89.2	24	24
AR_Type A	17	79.7	15.4	24.2
M1_1	29.1	30.7	24	24
AR_Type A	112.8	25.6	15.4	24.2

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON
PROJECT ID: U-2579AA
CHECKED BY: R KING
Oct 21, 2021
DIV: 9

BORDER R=12" TH=2" Spacing Factor is 1 unless specified otherwise

USE NOTES: 1, 2 & 3

- Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
- Background shall be Grade C reflective sheeting.
- Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
E 2000	23.6
EM 2000	90
E 2000	24.9
EM 2000	89.1

FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 107 & 120
TYPE: A
QUANTITY: 2
SIGN WIDTH: 9'-6"
HEIGHT: 7'-6"
TOTAL AREA: 71.3 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 9"
NO. Z BARS: 3
LENGTH: 106.0

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
M1_1	28.5	55.6	24	24
AR_Type A	44.9	13.3	15.4	24.2

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON
PROJECT ID: U-2579AA
CHECKED BY: R KING
Oct 21, 2021
DIV: 9

BORDER R=9" TH=2" Spacing Factor is 1 unless specified otherwise

USE NOTES: 1, 2 & 3

- Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
- Background shall be Grade C reflective sheeting.
- Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

LETTER POSITIONS

Letter spacings are to start of next letter

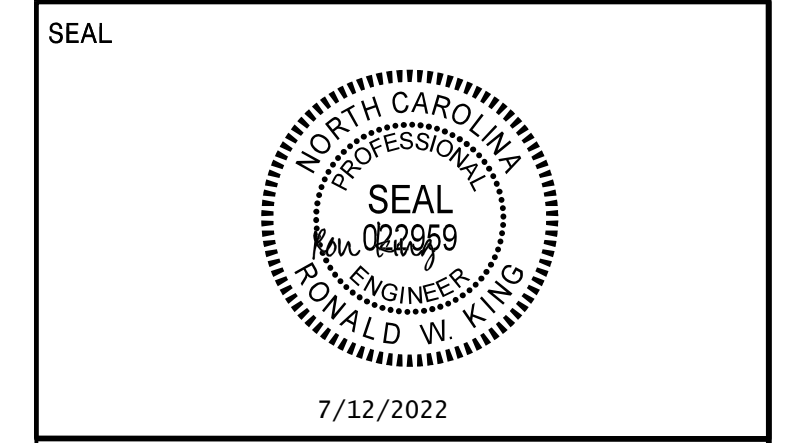
Series/Size	Text Length
E 2000	24.9
EM 2000	89.1

FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

2:44:03 PM 2/25/2022 c:\pwworking\eesat01\0779653\U-2579AA-SIGN-5XX.dgn

SIGN DESIGNS

APPROVED: _____
DATE: _____



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HDR HDR Engineering, Inc. of the Carolinas
555 Fayetteville St., Suite 900 Raleigh, N.C. 27601
N.C.B.E.L.S. License Number: F-0116

SIGN NUMBER: 108
TYPE: A
QUANTITY: 1
SIGN WIDTH: 9'-6"
HEIGHT: 8'-0"
TOTAL AREA: 76.0 Sq.Ft.

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
M1_1	45	61.3	24	24

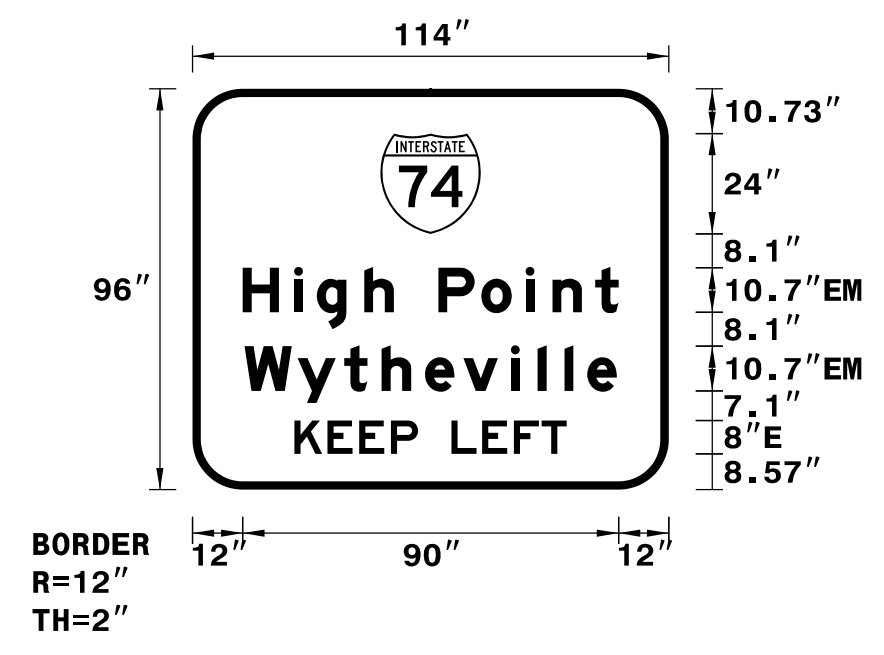
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 12"

NO. Z BARS: 3
LENGTH: 106.0

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON
PROJECT ID: U-2579AA

CHECKED BY: R KING
Oct 21, 2021
DIV: 9



USE NOTES: 1, 2 & 3

- Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
- Background shall be Grade C reflective sheeting.
- Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
EM 2000	90
EM 2000	89.1
E 2000	65.2

FILENAME: U2579AA_SignDesigns
NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 109
TYPE: A
QUANTITY: 1
SIGN WIDTH: 9'-6"
HEIGHT: 7'-6"
TOTAL AREA: 71.3 Sq.Ft.

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
M1_1	29.2	55.6	24	24
AR_Type A	44.9	13.3	15.4	24.2

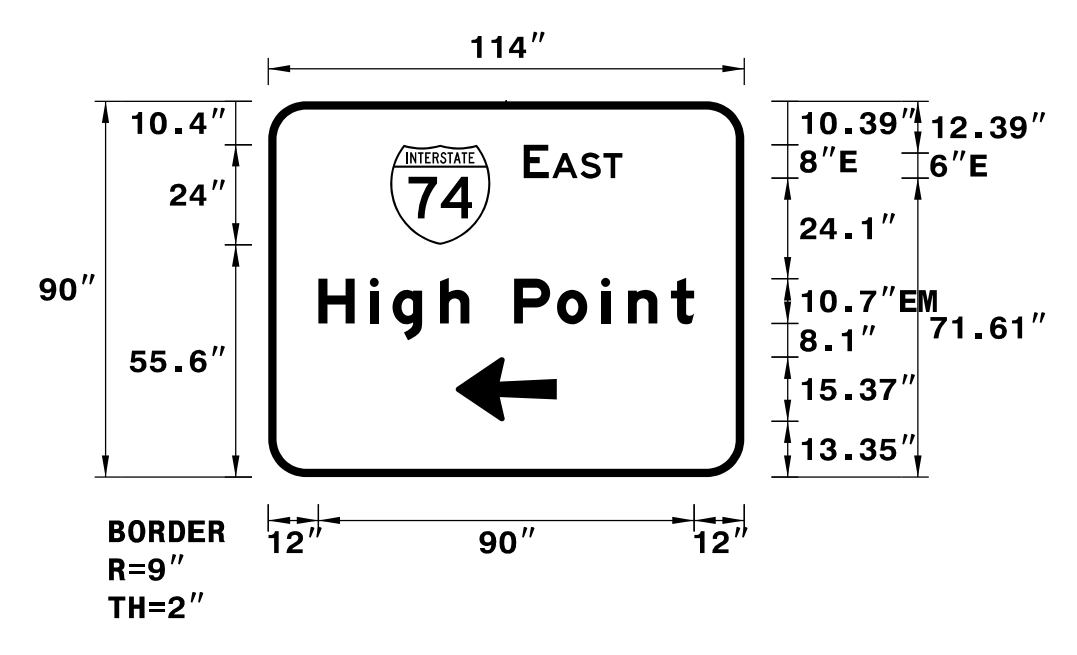
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 9"

NO. Z BARS: 3
LENGTH: 106.0

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON
PROJECT ID: U-2579AA

CHECKED BY: R KING
Oct 21, 2021
DIV: 9



USE NOTES: 1, 2 & 3

- Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
- Background shall be Grade C reflective sheeting.
- Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
E 2000	23.6
EM 2000	90

FILENAME: U2579AA_SignDesigns
NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 110 & 119
TYPE: A
QUANTITY: 2
SIGN WIDTH: 12'-6"
HEIGHT: 10'-0"
TOTAL AREA: 125.0 Sq.Ft.

BACKG COLOR: Green/Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
M1_1	59.6	89.2	24	24
AR_Type A	17.4	79.7	15.4	24.2
M1_1	29.8	30.7	24	24
AR_Type A	113.2	25.6	15.4	24.2

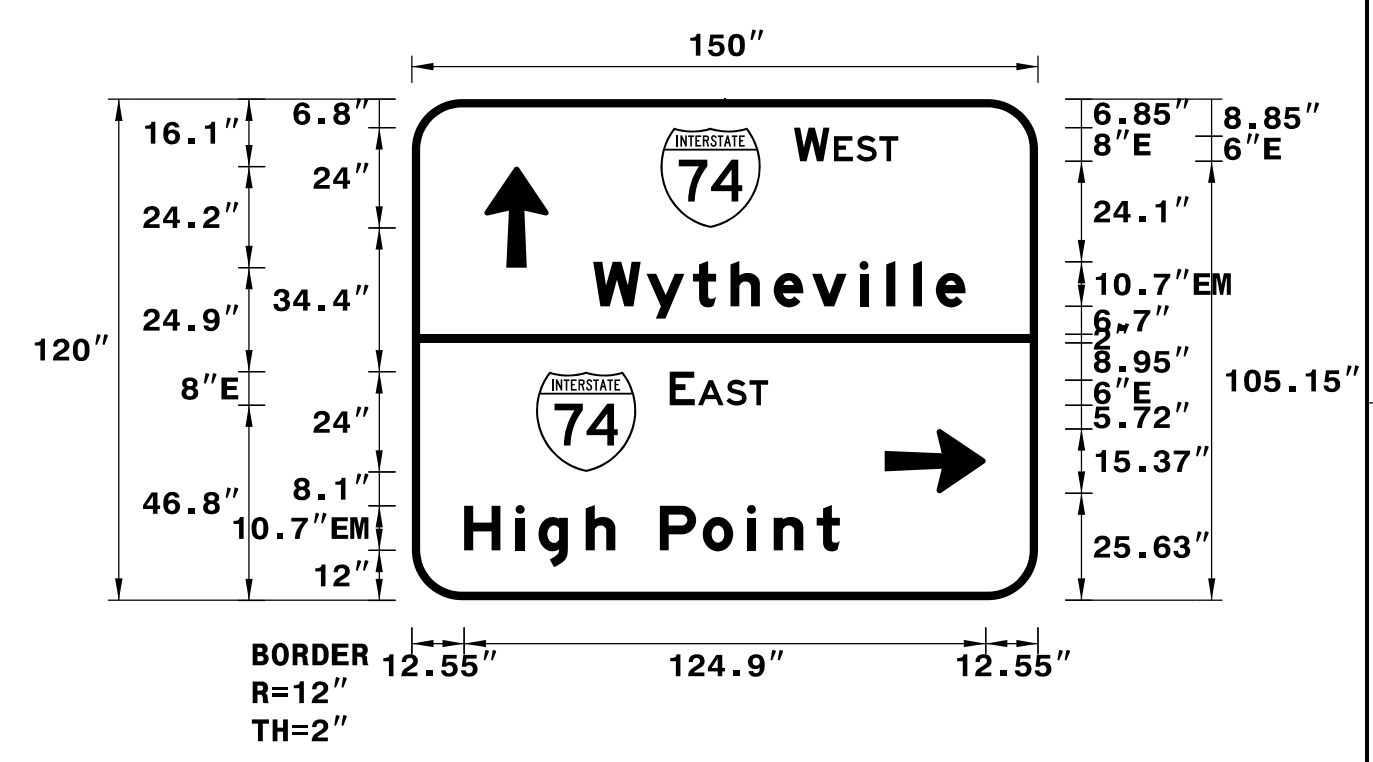
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 12"

NO. Z BARS: 3
LENGTH: 142.0

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON
PROJECT ID: U-2579AA

CHECKED BY: R KING
Oct 21, 2021
DIV: 9



USE NOTES: 1, 2 & 3

- Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
- Background shall be Grade C reflective sheeting.
- Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
E 2000	24.9
EM 2000	89.1
E 2000	23.6
EM 2000	90

FILENAME: U2579AA_SignDesigns
NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 111
TYPE: A
QUANTITY: 1
SIGN WIDTH: 9'-6"
HEIGHT: 8'-0"
TOTAL AREA: 76.0 Sq.Ft.

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
M1_1	45	61.3	24	24

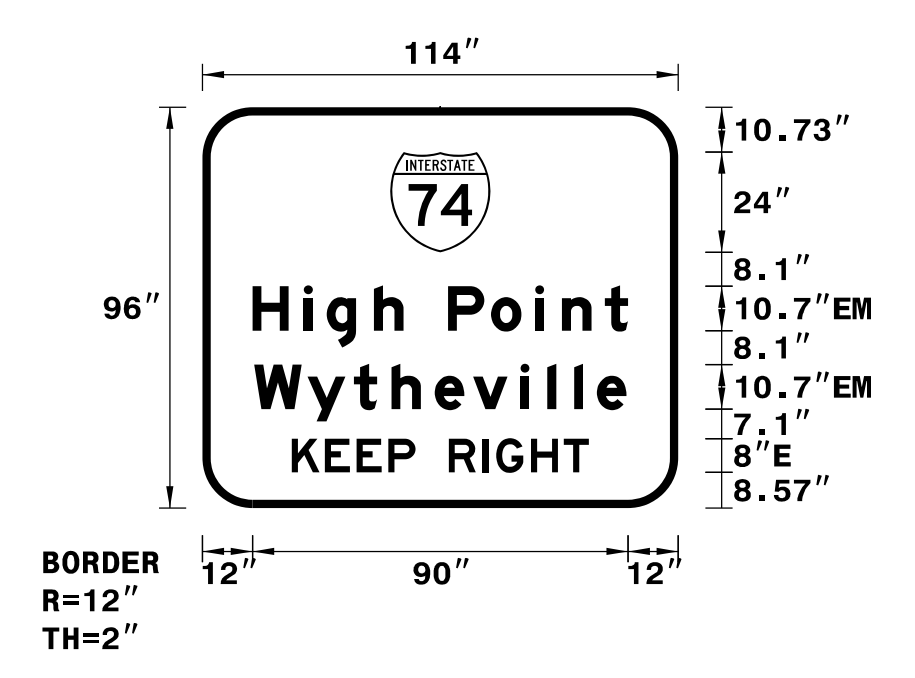
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 12"

NO. Z BARS: 3
LENGTH: 106.0

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON
PROJECT ID: U-2579AA

CHECKED BY: R KING
Oct 21, 2021
DIV: 9



USE NOTES: 1, 2 & 3

- Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
- Background shall be Grade C reflective sheeting.
- Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

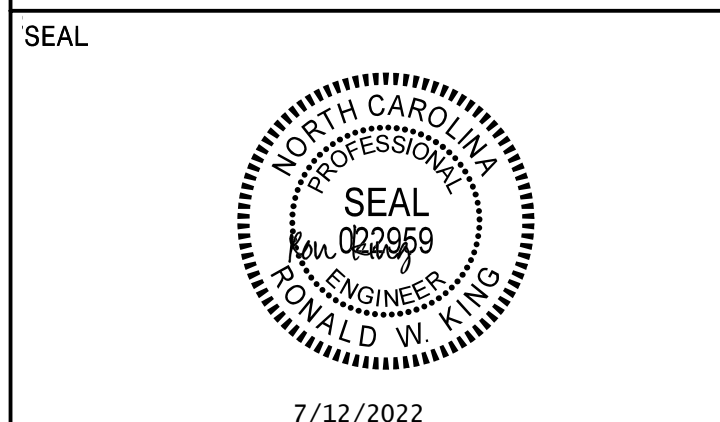
Letter spacings are to start of next letter

Series/Size	Text Length
EM 2000	90
EM 2000	89.1
E 2000	71.1

FILENAME: U2579AA_SignDesigns
NORTH CAROLINA D.O.T. SIGN DETAIL

2:45:00 PM 2/25/2022 c:\pwworking\veast01\c0779653\U-2579AA-SIGN-5W.dgn

APPROVED: _____
DATE: _____

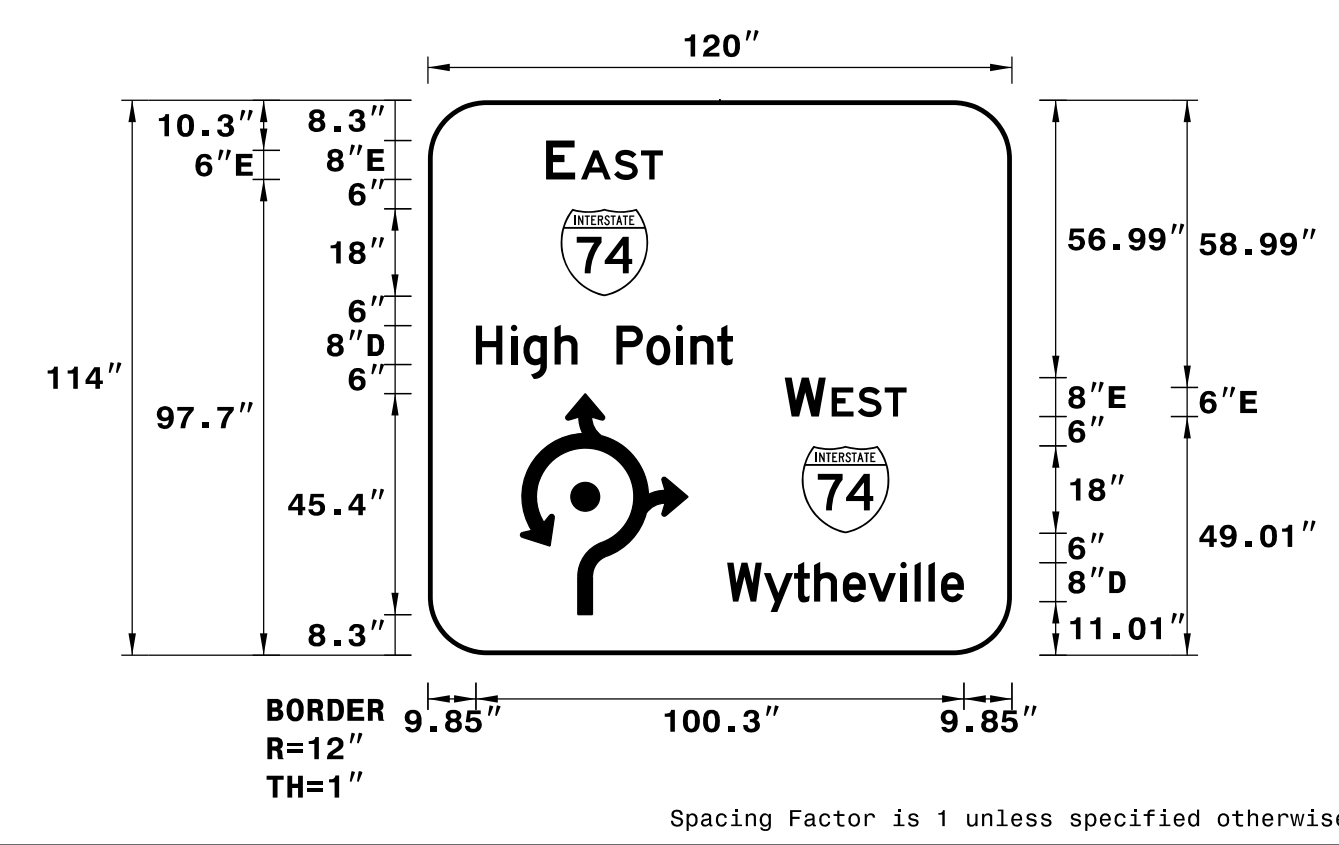


DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

HDR HDR Engineering, Inc. of the Carolinas
555 Fayetteville St. Suite 900 Raleigh, N.C. 27601
N.C.B.E.L.S. License Number: F-0116

SIGN NUMBER: 113
TYPE: A
QUANTITY: 1
SIGN WIDTH: 10'-0"
HEIGHT: 9'-6"
TOTAL AREA: 95.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 1"
RADIUS: 12"
NO. Z BARS: 3
LENGTH: 112.0
BACKG COLOR: Green
COPY COLOR: White
SYMBOL X Y WID HT
M1_1 27.3 73.7 18 18
Rocky Mount 1 19 8.3 34.5 45.4
MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON
PROJECT ID: U-2579AA
CHECKED BY: R KING
Feb 23, 2022
DIV: 9



USE NOTES: 1, 2 & 3
1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
2. Background shall be Grade C reflective sheeting.
3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

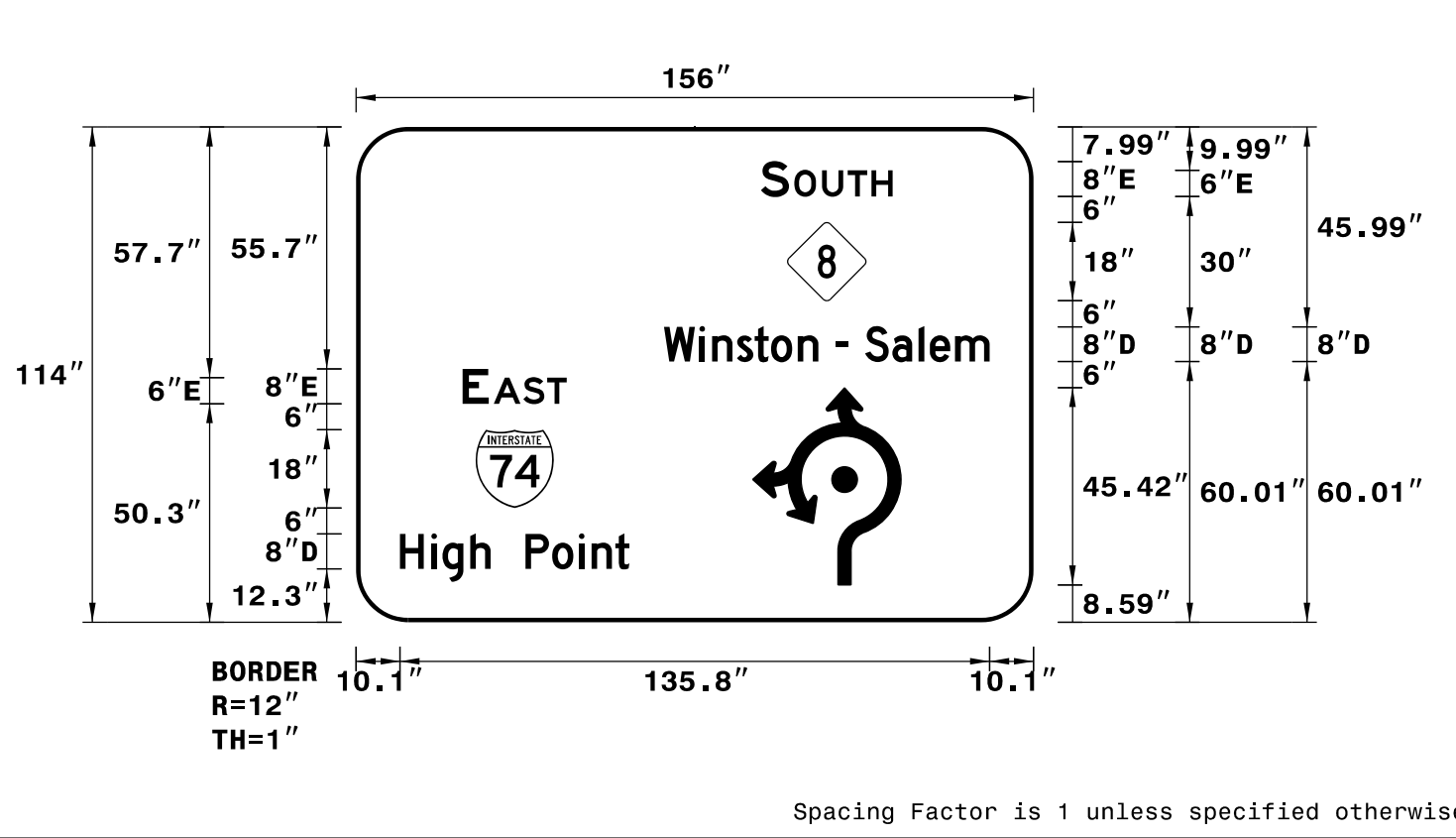
LETTER POSITIONS

Letter spacings are to start of next letter													Series/Size
													Text Length
24.3	6	1.2	6.8	5.5	4.5	71.7							E 2000
													24
													D 2000
9.9	7.2	2.6	6.4	4.7	8	6.2	6.2	2.9	5.5	3.2	57.3		52.8
													E 2000
73.3	8.5	1.2	5.3	5.5	4.5	21.7							25
													D 2000
61.5	7.5	6.2	4.1	5.9	5.2	6.6	2.9	2.9	2.6	4.7	9.9		48.6

FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 114
TYPE: A
QUANTITY: 1
SIGN WIDTH: 13'-0"
HEIGHT: 9'-6"
TOTAL AREA: 123.5 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 1"
RADIUS: 12"
NO. Z BARS: 3
LENGTH: 148.0
BACKG COLOR: Green
COPY COLOR: White
SYMBOL X Y WID HT
M1-5-2-24-10C 99.4 74 18 18
Rocky Mount 2 91.3 8.6 34.2 45.4
MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON
PROJECT ID: U-2579AA
CHECKED BY: R KING
Feb 23, 2022
DIV: 9



USE NOTES: 1, 2 & 3
1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
2. Background shall be Grade C reflective sheeting.
3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

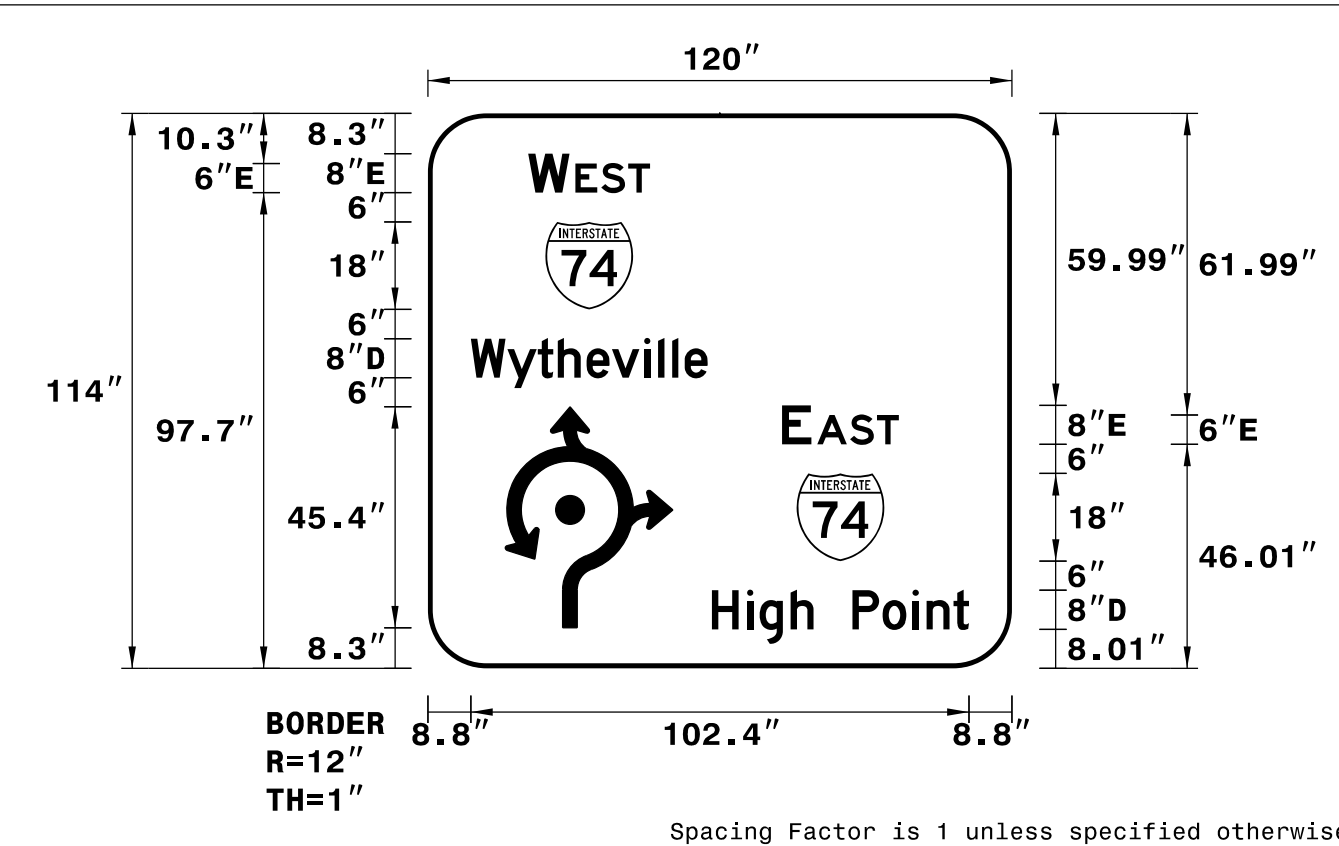
LETTER POSITIONS

Letter spacings are to start of next letter													Series/Size				
													Text Length				
93.2	6.5	1.2	6.4	5.9	5.5	4.9	32.4						E 2000				
													30.4				
													D 2000				
70.9	8.2	2.9	5.8	4.1	3.8	6.2	4.7	4	2.8	4	6.2	6.1	2.6	5.8	7.9	10.1	75
																	E 2000
24.5	6	1.2	6.8	5.5	4.5	107.5							24				
													D 2000				
10.1	7.2	2.6	6.4	4.7	8	6.2	6.2	2.9	5.5	3.2	93.1		52.8				

FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 115
TYPE: A
QUANTITY: 1
SIGN WIDTH: 10'-0"
HEIGHT: 9'-6"
TOTAL AREA: 95.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 1"
RADIUS: 12"
NO. Z BARS: 3
LENGTH: 112.0
BACKG COLOR: Green
COPY COLOR: White
SYMBOL X Y WID HT
M1_1 24.1 73.7 18 18
M1_1 75.8 22 18 18
Rocky Mount 1 15.9 8.3 34.5 45.4
MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON
PROJECT ID: U-2579AA
CHECKED BY: R KING
Feb 23, 2022
DIV: 9



USE NOTES: 1, 2 & 3
1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
2. Background shall be Grade C reflective sheeting.
3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

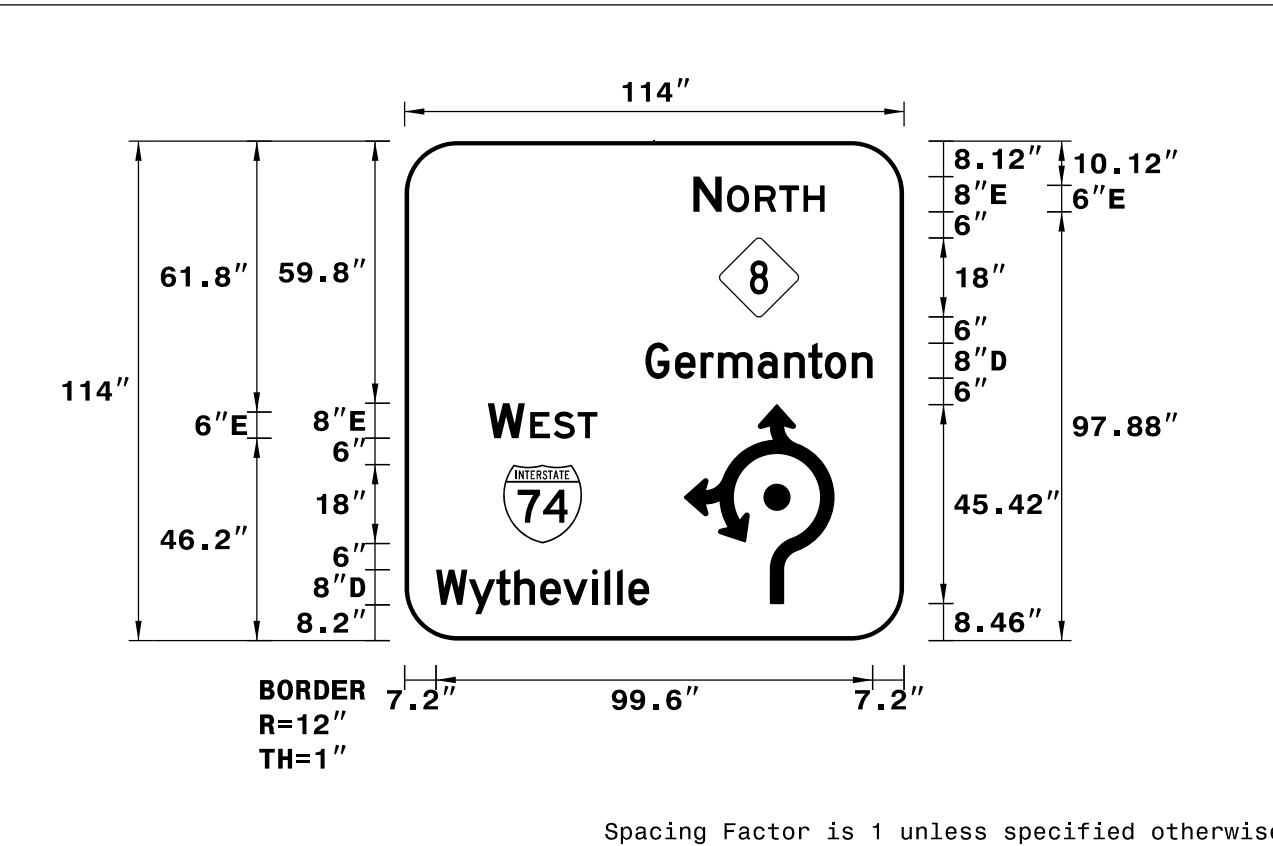
LETTER POSITIONS

Letter spacings are to start of next letter													Series/Size
													Text Length
20.6	8.5	1.2	5.3	5.5	4.5	74.3							E 2000
													25
													D 2000
8.8	7.5	6.2	4.1	5.9	5.2	6.6	2.9	2.9	2.6	4.7	62.5		48.6
													E 2000
72.8	6	1.2	6.8	5.5	4.5	23.2							24
													D 2000
58.4	7.2	2.6	6.4	4.7	8	6.2	6.2	2.9	5.5	3.2	8.8		52.8

FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 116
TYPE: A
QUANTITY: 1
SIGN WIDTH: 9'-6"
HEIGHT: 9'-6"
TOTAL AREA: 90.3 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 1"
RADIUS: 12"
NO. Z BARS: 3
LENGTH: 106.0
BACKG COLOR: Green
COPY COLOR: White
SYMBOL X Y WID HT
M1-5-2-24-10C 71.9 73.9 18 18
M1_1 22.5 22.2 18 18
Rocky Mount 2 63.8 8.5 34.2 45.4
MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON
PROJECT ID: U-2579AA
CHECKED BY: R KING
Feb 23, 2022
DIV: 9



USE NOTES: 1, 2 & 3
1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
2. Background shall be Grade C reflective sheeting.
3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

LETTER POSITIONS

Letter spacings are to start of next letter													Series/Size
													Text Length
65.9	6.5	1.2	6.4	5.5	5.5	4.9	18.1						E 2000
													30
													D 2000
55	6.7	5.8	4	9	6.1	5.5	3.8	6.2	4.7	7.2			51.8
													E 2000
19	8.5	1.2	5.3	5.5	4.5	70							25
													D 2000
7.2	7.5	6.2	4.1	5.9	5.2	6.6	2.9	2.9	2.6	4.7	58.2		48.6

FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

10:55:00
02/23/22
c:\pwworking\east01\job779653\U-2579AA_SIGN-5ZZ.dgn

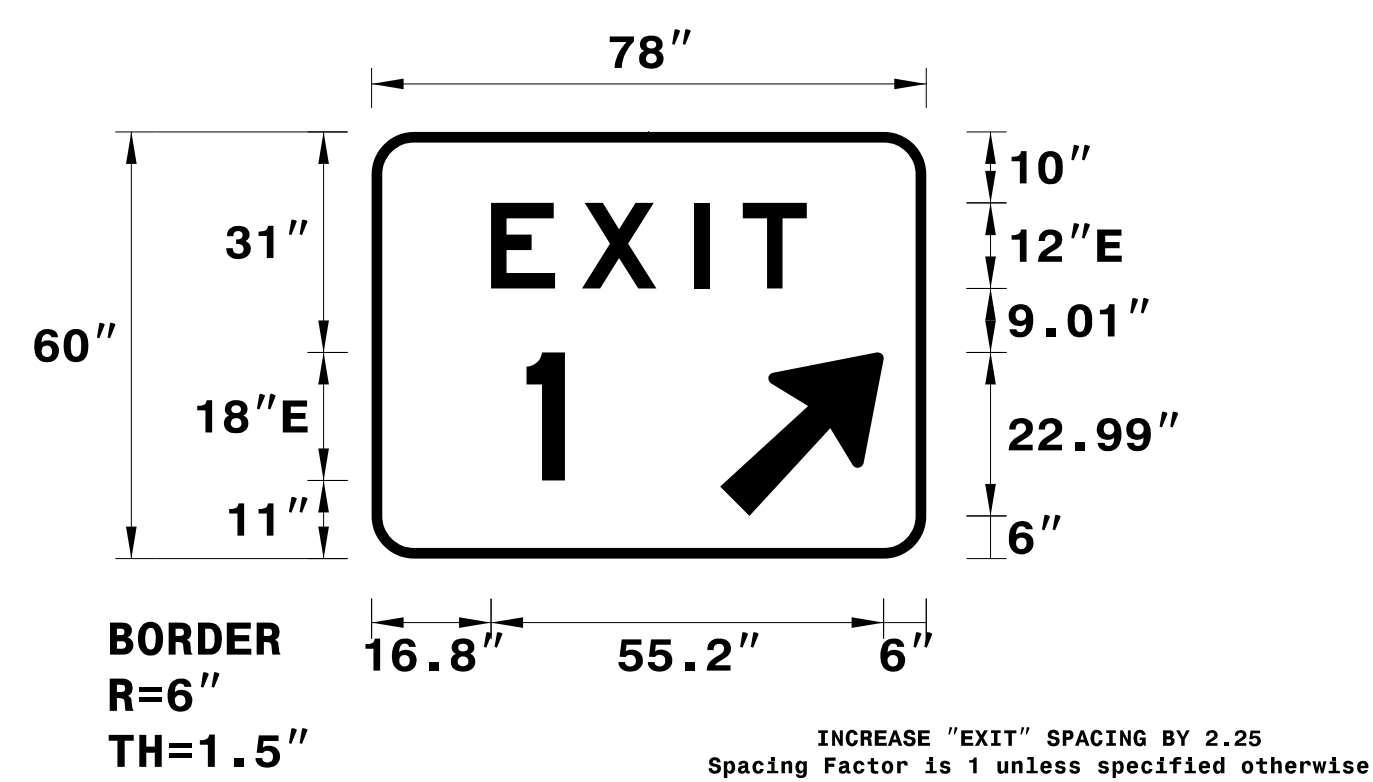
SIGN NUMBER: 201
TYPE: A
QUANTITY: 1
SIGN WIDTH: 6'-6"
HEIGHT: 5'-0"
TOTAL AREA: 32.5 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 1.5"
RADII: 6"
NO. Z BARS: 2
LENGTH: 70.0

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
AR_Type A	49	6	18.3	29.3

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON
PROJECT ID: U-2579AA
CHECKED BY: R KING
Feb 07, 2022
DIV: 9



USE NOTES: 1,2
1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
2. Background shall be Grade C reflective sheeting.

LETTER POSITIONS

Letter spacings are to start of next letter										Series/Size	Text Length	
	E	X	I	T							E 2000	44.4
16.8	12.8	15.8	6.8	9	16.8						E 2000	44.4
	X	X									E 2000	33.8
8.7	18.2	15.7	35.5								E 2000	33.8

FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

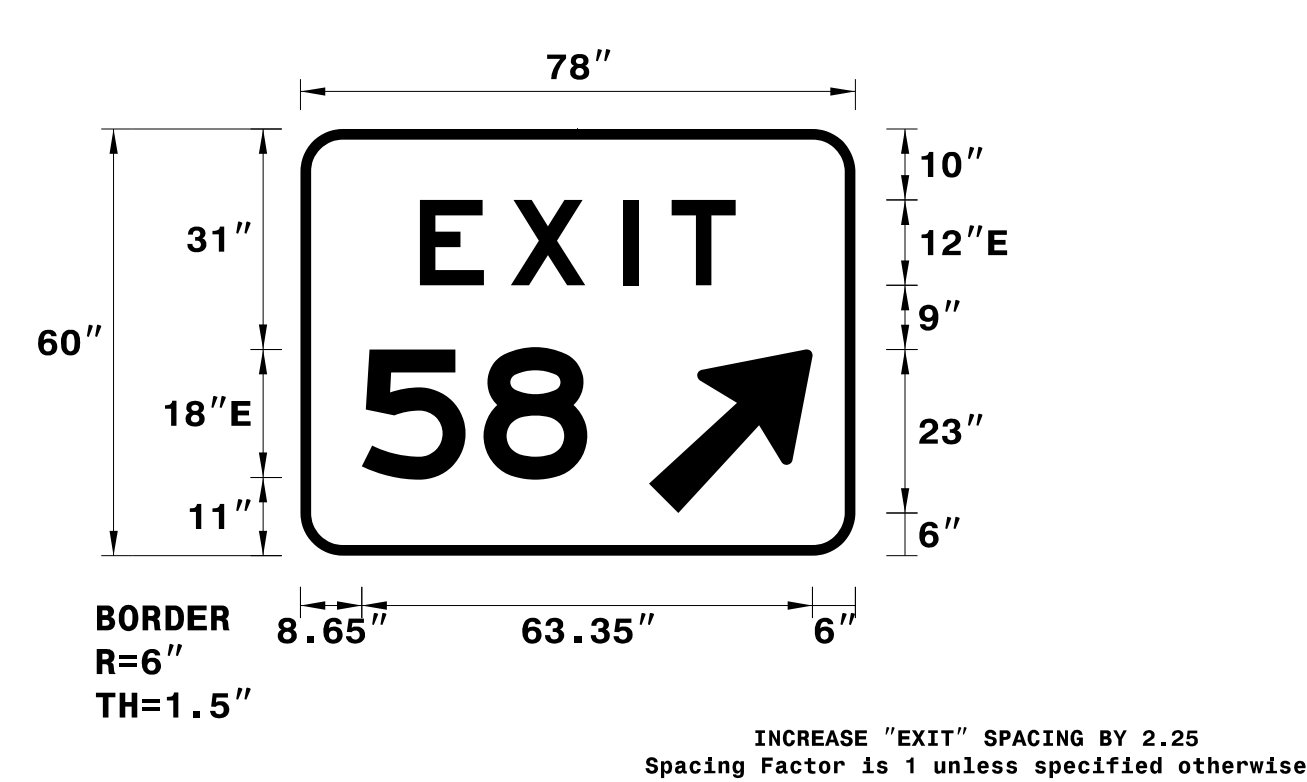
SIGN NUMBER: 205 & 206
TYPE: A
QUANTITY: 2
SIGN WIDTH: 6'-6"
HEIGHT: 5'-0"
TOTAL AREA: 32.5 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 1.5"
RADII: 6"
NO. Z BARS: 2
LENGTH: 70.0

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
AR_Type A	49	6	18.3	29.3

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON
PROJECT ID: U-2579AA
CHECKED BY: R KING
Oct 21, 2021
DIV: 9



USE NOTES: 1,2
1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
2. Background shall be Grade C reflective sheeting.

LETTER POSITIONS

Letter spacings are to start of next letter										Series/Size	Text Length	
	E	X	I	T							E 2000	44.4
16.8	12.8	15.8	6.8	9	16.8						E 2000	44.4
	X	X									E 2000	33.8
8.7	17.1	14.6	37.7								E 2000	31.7

FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

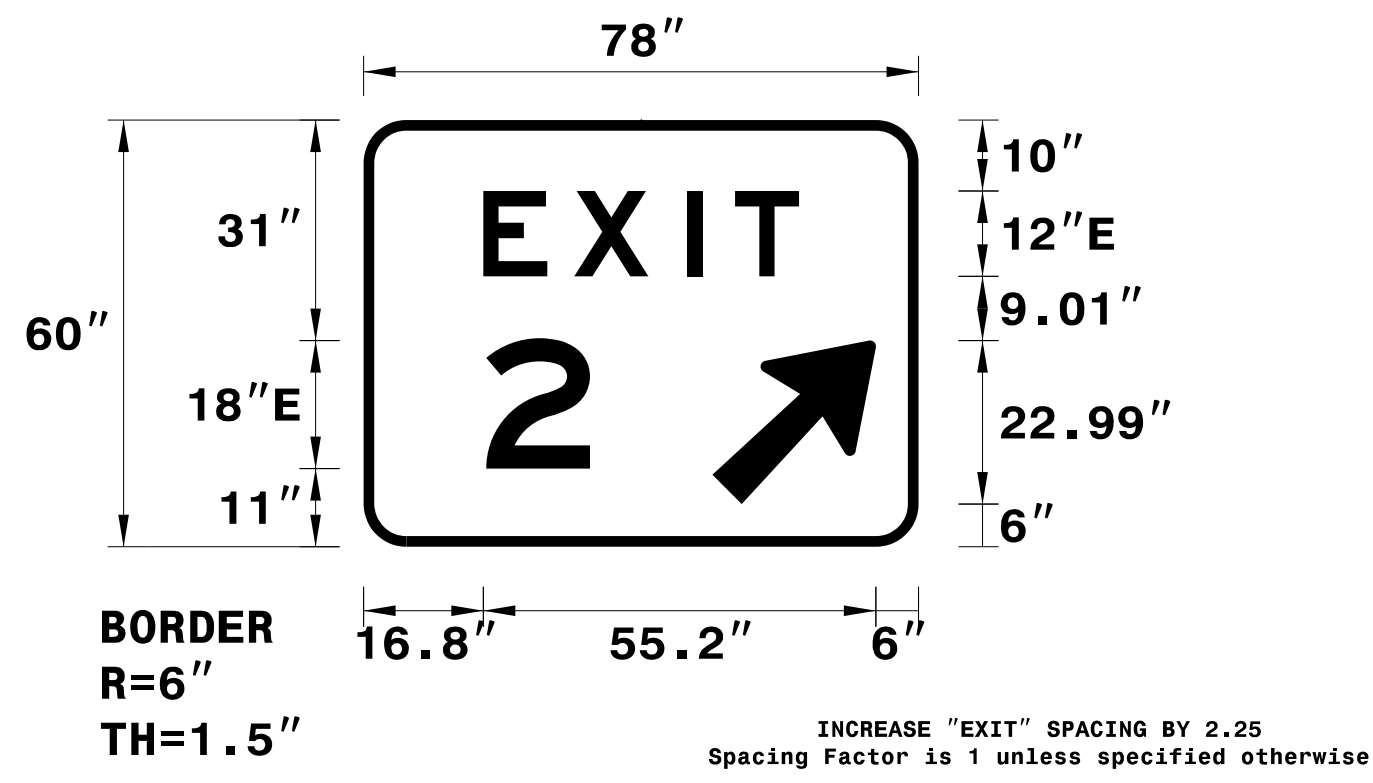
SIGN NUMBER: 202 & 203A
TYPE: A
QUANTITY: 2
SIGN WIDTH: 6'-6"
HEIGHT: 5'-0"
TOTAL AREA: 32.5 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 1.5"
RADII: 6"
NO. Z BARS: 2
LENGTH: 70.0

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
AR_Type A	49	6	18.3	29.3

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON
PROJECT ID: U-2579AA
CHECKED BY: R KING
Feb 10, 2022
DIV: 9



USE NOTES: 1,2
1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
2. Background shall be Grade C reflective sheeting.

LETTER POSITIONS

Letter spacings are to start of next letter										Series/Size	Text Length	
	E	X	I	T							E 2000	44.4
16.8	12.8	15.8	6.8	9	16.8						E 2000	44.4
	2										E 2000	14.6
17.2	14.6	46.2									E 2000	14.6

FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

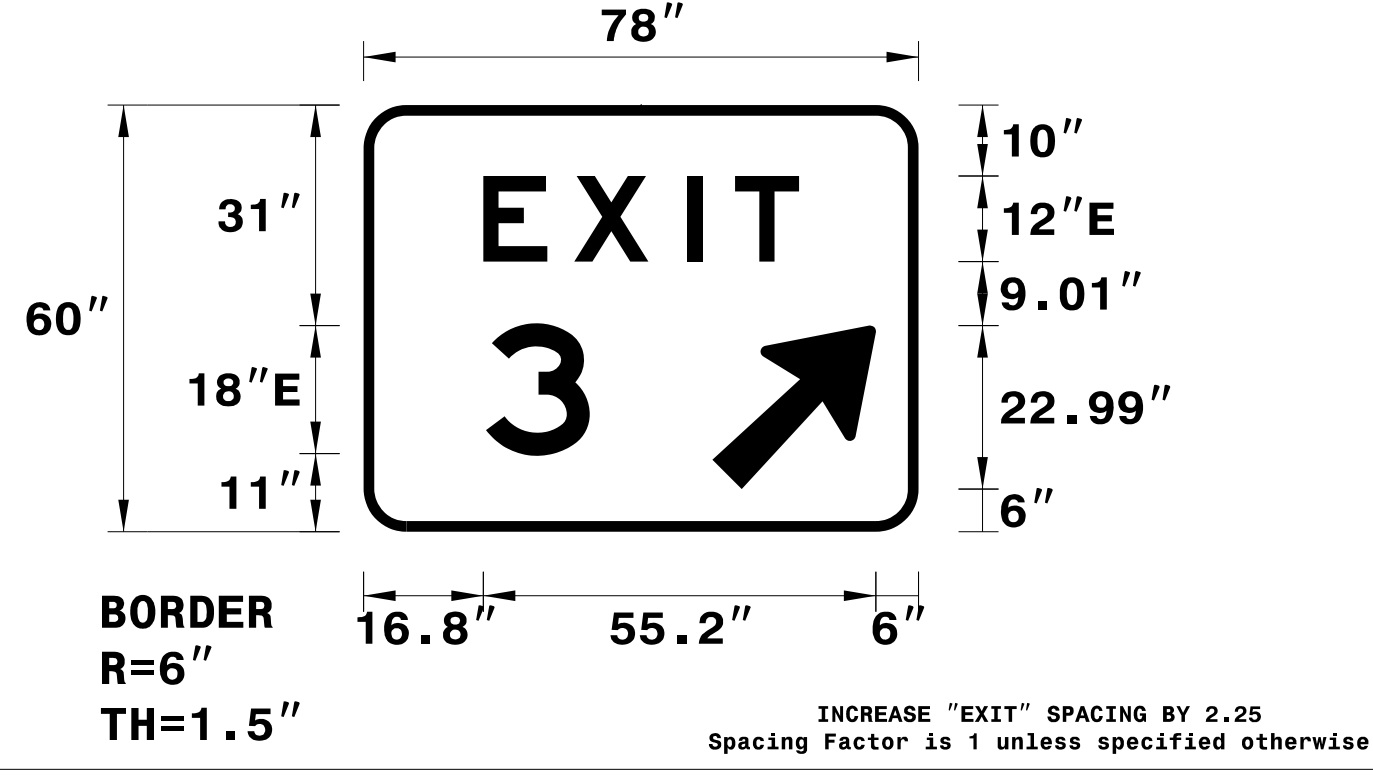
SIGN NUMBER: 204
TYPE: A
QUANTITY: 1
SIGN WIDTH: 6'-6"
HEIGHT: 5'-0"
TOTAL AREA: 32.5 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 1.5"
RADII: 6"
NO. Z BARS: 2
LENGTH: 70.0

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
AR_Type A	49	6	18.3	29.3

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON
PROJECT ID: U-2579AA
CHECKED BY: R KING
Feb 10, 2022
DIV: 9



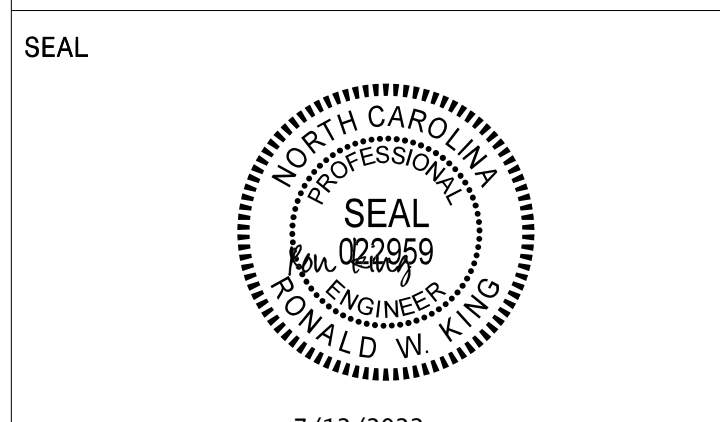
USE NOTES: 1,2
1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
2. Background shall be Grade C reflective sheeting.

LETTER POSITIONS

Letter spacings are to start of next letter										Series/Size	Text Length	
	E	X	I	T							E 2000	44.4
16.8	12.8	15.8	6.8	9	16.8						E 2000	44.4
	3										E 2000	14.6
17.2	14.6	46.2									E 2000	14.6

FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

APPROVED: _____
DATE: _____



7/12/2022
**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

HDR HDR Engineering, Inc. of the Carolinas
555 Fayetteville St. Suite 900 Raleigh, N.C. 27601
N.C.B.E.L.S. License Number: F-0116

I:\5628_AM 2/28/2022 2:12 PM\working\east01\40779653\U-2579AA_SIGN-5A4A.dgn

SIGN DESIGNS

APPROVED: _____

DATE: _____

SEAL



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

HDR HDR Engineering, Inc. of the Carolinas
555 Fayetteville St, Suite 900 Raleigh, N.C. 27601
N.C.B.E.L.S. License Number: F-0116

SIGN NUMBER: 207 & 208A TYPE: A QUANTITY: 2 SIGN WIDTH: 10'-6" HEIGHT: 5'-0" TOTAL AREA: 52.5 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 1.5" RADII: 6" NO. Z BARS: 2 LENGTH: 118.0	BACKG COLOR: Green COPY COLOR: White SYMBOL <table border="1"> <tr><th>AR_Type A</th><th>X</th><th>Y</th><th>WID</th><th>HT</th></tr> <tr><td></td><td>97</td><td>6</td><td>18.3</td><td>29.3</td></tr> </table> MAT'L: 0.125" (3.2 mm) ALUMINUM	AR_Type A	X	Y	WID	HT		97	6	18.3	29.3	DESIGN BY: R DRAYTON CHECKED BY: R KING Oct 21, 2021 DIV: 9 PROJECT ID: U-2579AA
AR_Type A	X	Y	WID	HT								
	97	6	18.3	29.3								

BORDER R=6" TH=1.5"

INCREASE "EXIT" SPACING BY 2.25
Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter										Series/Size
	E	X	I	T						Text Length
	40.8	12.8	15.8	6.8	9	40.8				E 2000
	2	2	7		A					44.4
	9.2	17.1	16.6	14.6	12	18.4	38.2			E 2000
										78.6

FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 209A & 210 TYPE: A QUANTITY: 2 SIGN WIDTH: 10'-6" HEIGHT: 5'-0" TOTAL AREA: 52.5 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 1.5" RADII: 6" NO. Z BARS: 2 LENGTH: 118.0	BACKG COLOR: Green COPY COLOR: White SYMBOL <table border="1"> <tr><th>AR_Type A</th><th>X</th><th>Y</th><th>WID</th><th>HT</th></tr> <tr><td></td><td>97</td><td>6</td><td>18.3</td><td>29.3</td></tr> </table> MAT'L: 0.125" (3.2 mm) ALUMINUM	AR_Type A	X	Y	WID	HT		97	6	18.3	29.3	DESIGN BY: R DRAYTON CHECKED BY: R KING Oct 21, 2021 DIV: 9 PROJECT ID: U-2579AA
AR_Type A	X	Y	WID	HT								
	97	6	18.3	29.3								

BORDER R=6" TH=1.5"

INCREASE "EXIT" SPACING BY 2.25
Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter										Series/Size
	E	X	I	T						Text Length
	40.8	12.8	15.8	6.8	9	40.8				E 2000
	2	2	7		B					44.4
	11.1	17.1	16.6	14.6	12	14.6	40.1			E 2000
										74.8

FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 208B & 209B TYPE: B QUANTITY: 2 SIGN WIDTH: 10'-6" HEIGHT: 2'-0" TOTAL AREA: 21.0 Sq.Ft. BORDER TYPE: RECESSED RECESS: 0.63" WIDTH: 0.88" RADII: 3" NO. Z BARS: 2 LENGTH: 118.0	BACKG COLOR: Yellow COPY COLOR: Black SYMBOL <table border="1"> <tr><th>X</th><th>Y</th><th>WID</th><th>HT</th></tr> </table> MAT'L: 0.125" (3.2 mm) ALUMINUM	X	Y	WID	HT	DESIGN BY: R DRAYTON CHECKED BY: R KING Oct 21, 2021 DIV: 9 PROJECT ID: U-2579AA
X	Y	WID	HT			

BORDER R=3" TH=0.88" IN=0.63"

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter										Series/Size
	2	5	M	P	H					Text Length
	34.3	9.5	8.1	10	12	9.8	8.1	34.3		E 2000
										57.5

FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 211 TYPE: A QUANTITY: 1 SIGN WIDTH: 6'-6" HEIGHT: 5'-0" TOTAL AREA: 32.5 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 1.5" RADII: 6" NO. Z BARS: 2 LENGTH: 70.0	BACKG COLOR: Green COPY COLOR: Black SYMBOL <table border="1"> <tr><th>AR_Type A</th><th>X</th><th>Y</th><th>WID</th><th>HT</th></tr> <tr><td></td><td>49</td><td>6</td><td>18.3</td><td>29.3</td></tr> </table> MAT'L: 0.125" (3.2 mm) ALUMINUM	AR_Type A	X	Y	WID	HT		49	6	18.3	29.3	DESIGN BY: R DRAYTON CHECKED BY: R KING Oct 21, 2021 DIV: 9 PROJECT ID: U-2579AA
AR_Type A	X	Y	WID	HT								
	49	6	18.3	29.3								

BORDER R=6" TH=1.5"

INCREASE "EXIT" SPACING BY 2.25
Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter										Series/Size
	E	X	I	T						Text Length
	16.8	12.8	15.8	6.8	9	16.8				E 2000
	4	2								44.4
	7.2	20	14.6	36.2						E 2000
										34.6

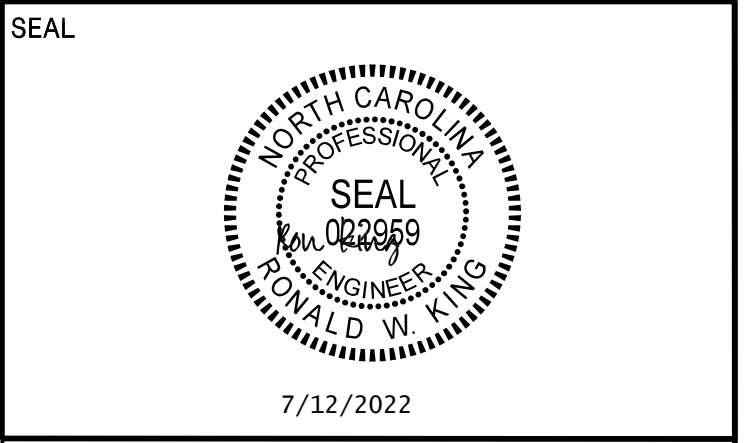
FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

10:06:22 AM
 2/11/2022
 c:\pwworking\eesat01\q0779653\U-2579AA-SIGN-5B8B.dgn

SIGN DESIGNS

APPROVED: _____

DATE: _____



**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

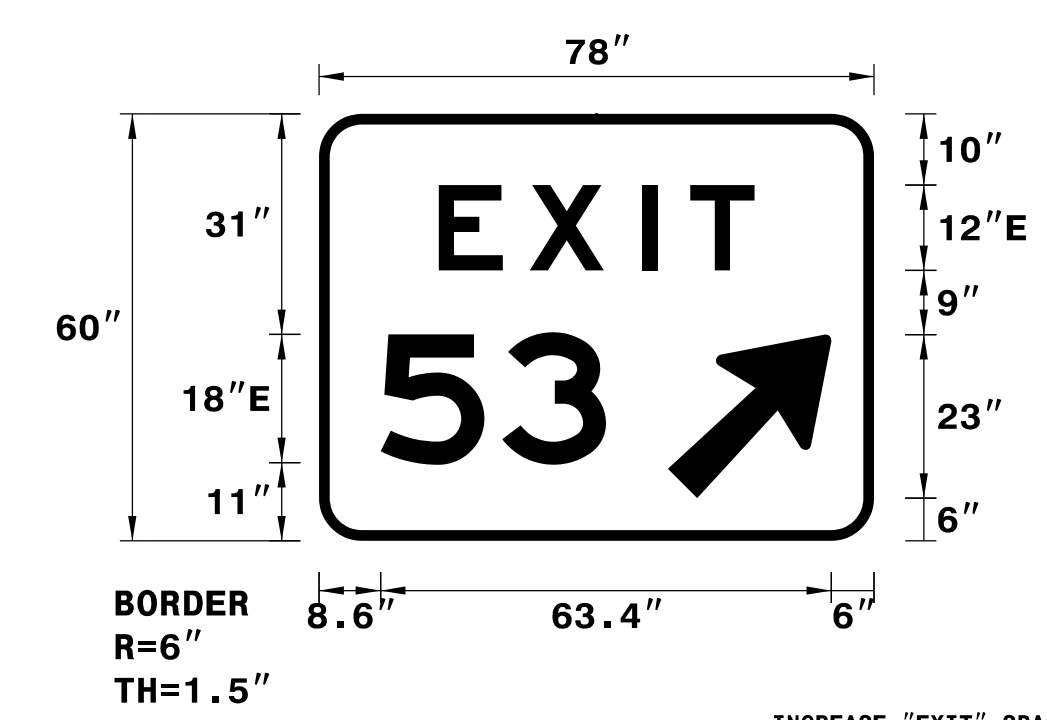
HDR HDR Engineering, Inc. of the Carolinas
555 Fayetteville St, Suite 900 Raleigh, N.C. 27601
N.C.B.E.L.S. License Number: F-0116

SIGN NUMBER: 212	BACKG COLOR: Green
TYPE: A	COPY COLOR: White
QUANTITY: 1	
SIGN WIDTH: 6'-6"	
HEIGHT: 5'-0"	
TOTAL AREA: 32.5 Sq.Ft.	
BORDER TYPE: FLUSH	
RECESS: 0"	
WIDTH: 1.5"	
RADII: 6"	
MAT'L: 0.125" (3.2 mm) ALUMINUM	
NO. Z BARS: 2	
LENGTH: 70.0	

DESIGN BY: R DRAYTON
PROJECT ID: U-2579AA

CHECKED BY: R KING

Oct 21, 2021
DIV: 9



USE NOTES: 1,2

- Legend and border (except those that are colored black) shall be direct applied Grade C sheeting.
- Background shall be Grade C reflective sheeting.

Letter spacings are to start of next letter											Series/Size
											Text Length
E	X	I	T								E 2000
16.8	12.8	15.8	6.8	9	16.8						44.4
	5	3									E 2000
8.6	17.1	14.6	37.7								31.7

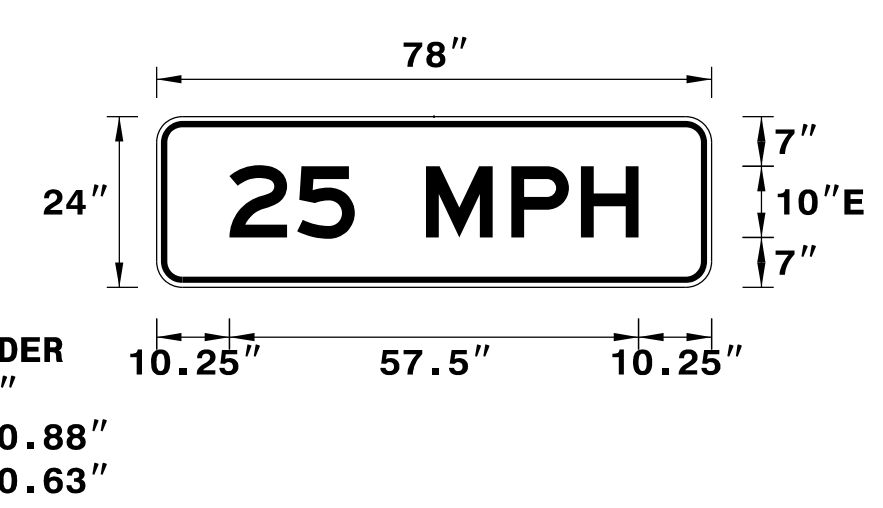
FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 203B	BACKG COLOR: Yellow
TYPE: D	COPY COLOR: Black
QUANTITY: 1	
SIGN WIDTH: 6'-6"	
HEIGHT: 2'-0"	
TOTAL AREA: 13.0 Sq.Ft.	
BORDER TYPE: RECESSED	
RECESS: 0.63"	
WIDTH: 0.88"	
RADII: 3"	
MAT'L: 0.125" (3.2 mm) ALUMINUM	
NO. Z BARS:	
LENGTH:	

DESIGN BY: R DRAYTON
PROJECT ID: U-2579AA

CHECKED BY: R KING

Nov 23, 2021
DIV: 9



USE NOTES: 1,2

- Legend and border (except those that are colored black) shall be direct applied Grade C sheeting.
- Background shall be Grade C reflective sheeting.

Letter spacings are to start of next letter											Series/Size
											Text Length
2	5	M	P	H							E 2000
10.2	9.5	8.1	10	12	9.8	8.1	10.3				57.5

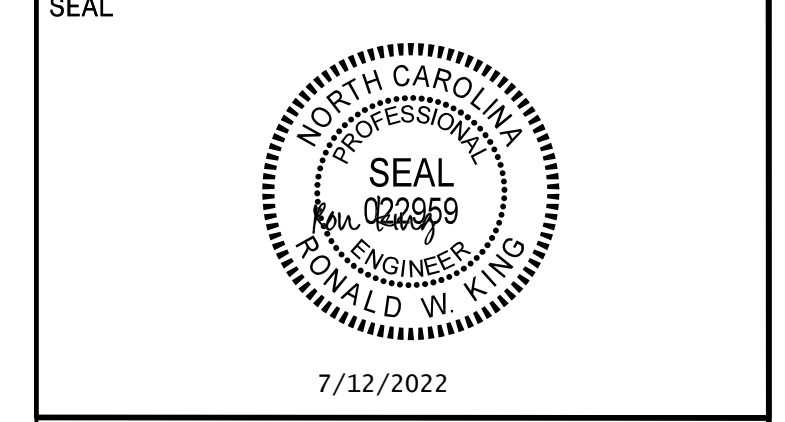
FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

2:54:02 PM
2/11/2022
c:\pwworking\east01\cad0779653\U-2579AA-SIGN-5CCC.dgn

SIGN DESIGNS

APPROVED: _____

DATE: _____



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

HDR HDR Engineering, Inc. of the Carolinas
555 Fayetteville St., Suite 900 Raleigh, N.C. 27601
N.C.B.E.L.S. License Number: F-0116

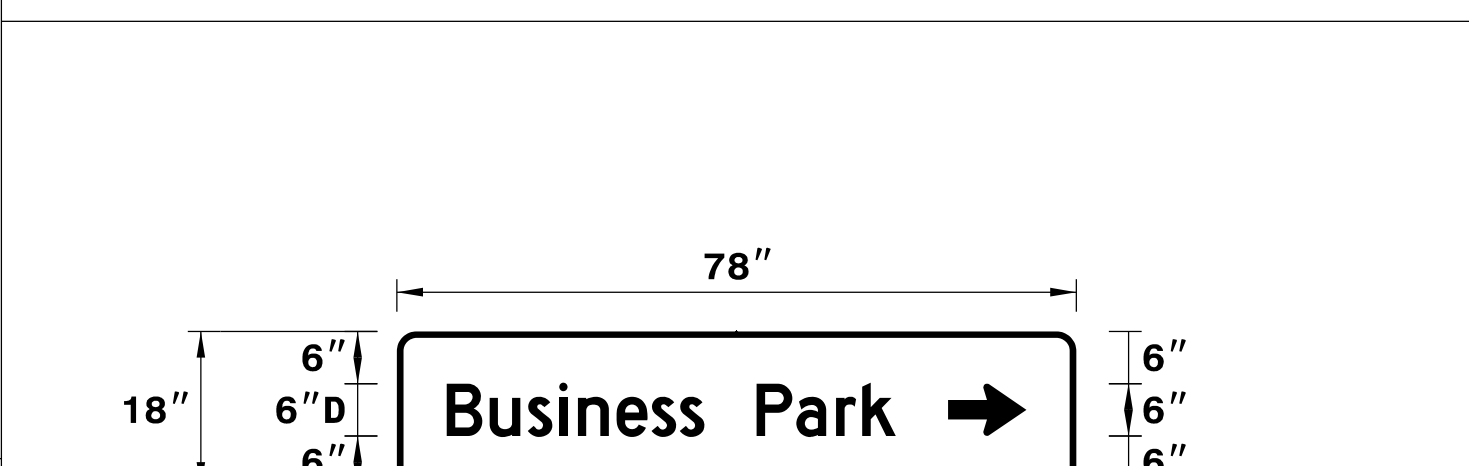
SIGN NUMBER: 301
TYPE: D
QUANTITY: 1
SIGN WIDTH: 6'-6"
HEIGHT: 1'-6"
TOTAL AREA: 9.8 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 0.75"
RADII: 2.25"
NO. Z BARS: _____
LENGTH: _____

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
AR_Type D	63.3	6	6	9

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON
CHECKED BY: R KING
Oct 21, 2021
PROJECT ID: U-2579AA
DIV: 9



USE NOTES: 1,2
1. Legend and border (except those that are colored black) shall be direct applied Grade C sheeting.
2. Background shall be Grade C reflective sheeting.

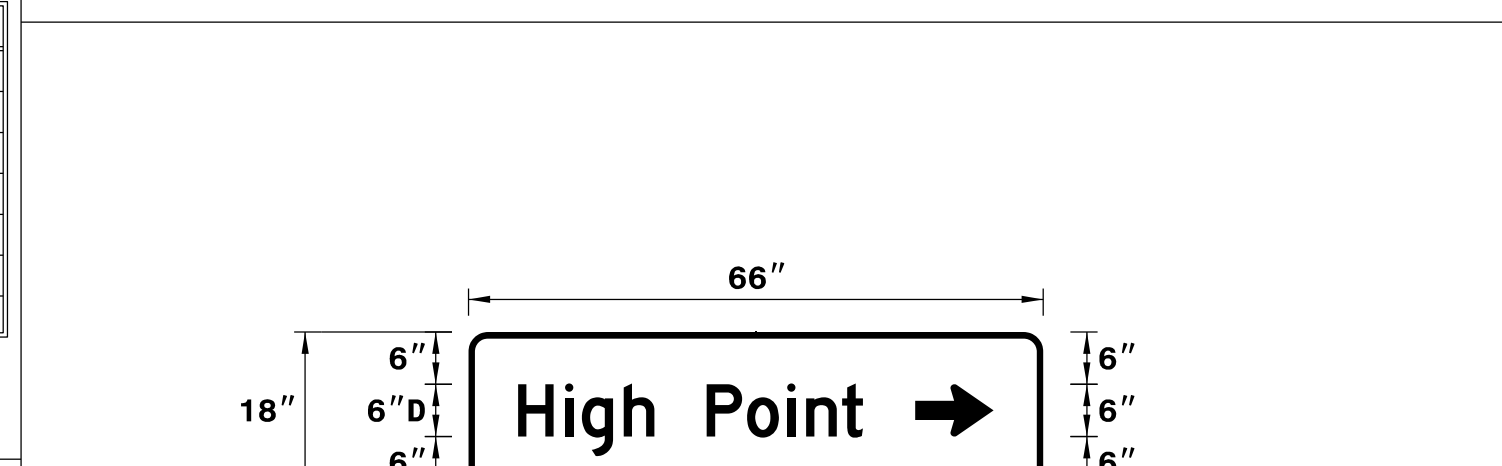
SIGN NUMBER: 302
TYPE: D
QUANTITY: 1
SIGN WIDTH: 5'-6"
HEIGHT: 1'-6"
TOTAL AREA: 8.3 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 0.75"
RADII: 2.25"
NO. Z BARS: _____
LENGTH: _____

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
AR_Type D	51.3	6	6	9

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON
CHECKED BY: R KING
Oct 25, 2021
PROJECT ID: U-2579AA
DIV: 9



USE NOTES: 1,2
1. Legend and border (except those that are colored black) shall be direct applied Grade C sheeting.
2. Background shall be Grade C reflective sheeting.

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
D 2000	51.5

FILENAME: U2579AA_SignDesigns
NORTH CAROLINA D.O.T. SIGN DETAIL

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
D 2000	39.6

FILENAME: U2579AA_SignDesigns
NORTH CAROLINA D.O.T. SIGN DETAIL

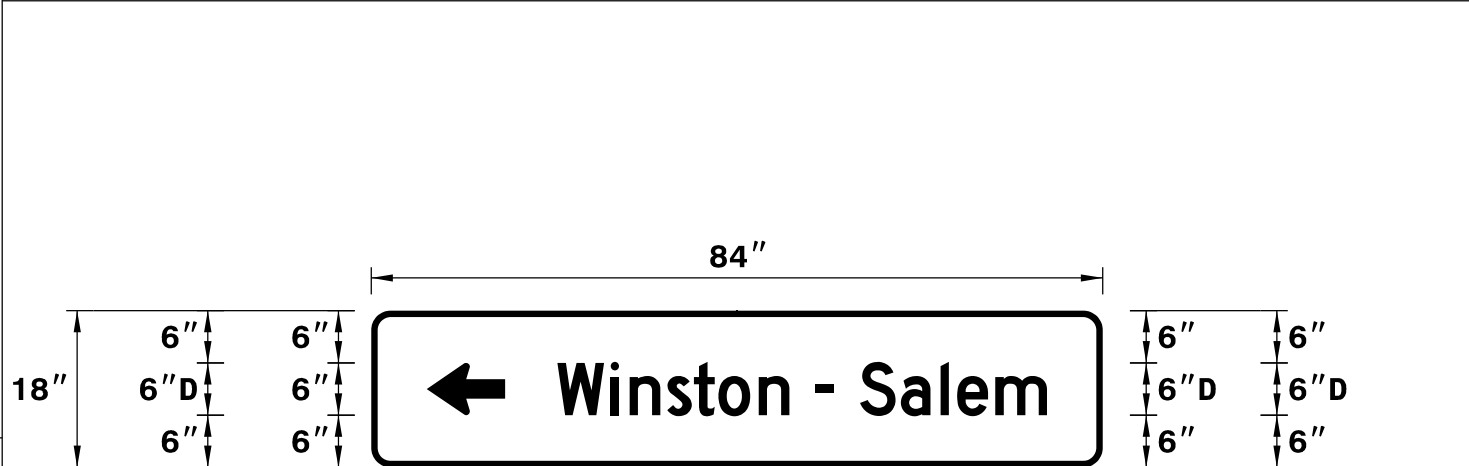
SIGN NUMBER: 303
TYPE: D
QUANTITY: 1
SIGN WIDTH: 7'-0"
HEIGHT: 1'-6"
TOTAL AREA: 10.5 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 0.75"
RADII: 2.25"
NO. Z BARS: _____
LENGTH: _____

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
AR_Type D	6.4	6	6	9

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON
CHECKED BY: R KING
Oct 25, 2021
PROJECT ID: U-2579AA
DIV: 9



USE NOTES: 1,2
1. Legend and border (except those that are colored black) shall be direct applied Grade C sheeting.
2. Background shall be Grade C reflective sheeting.

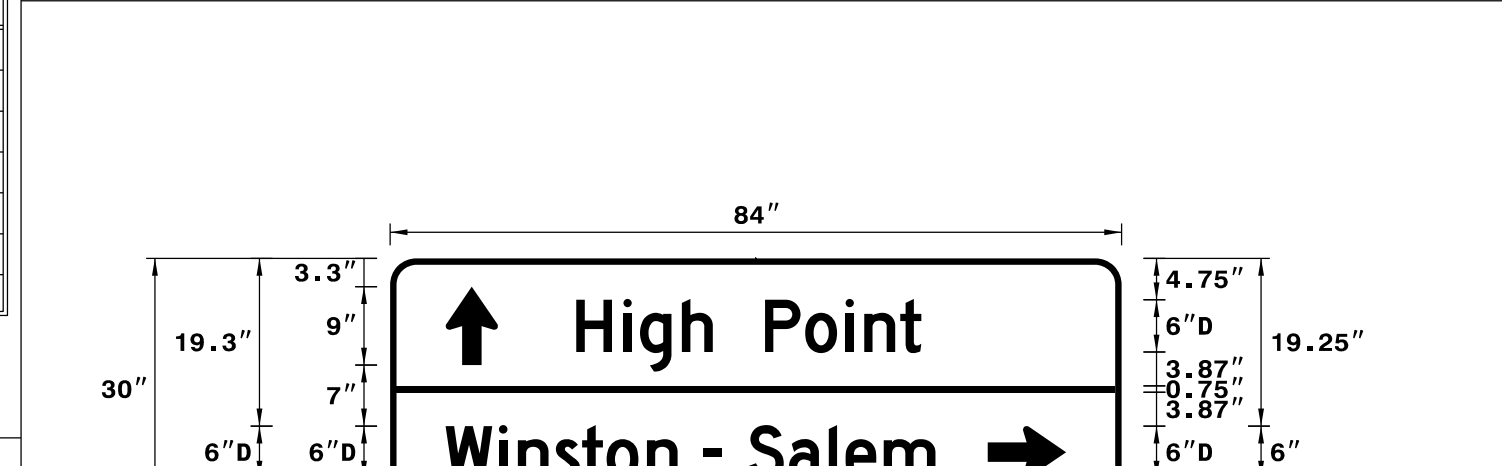
SIGN NUMBER: 304
TYPE: D
QUANTITY: 1
SIGN WIDTH: 7'-0"
HEIGHT: 2'-6"
TOTAL AREA: 17.5 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 0.75"
RADII: 3"
NO. Z BARS: _____
LENGTH: _____

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
AR_Type D	6.4	17.8	6	9
AR_Type D	68.6	4.8	6	9

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON
CHECKED BY: R KING
Oct 25, 2021
PROJECT ID: U-2579AA
DIV: 9



USE NOTES: 1,2
1. Legend and border (except those that are colored black) shall be direct applied Grade C sheeting.
2. Background shall be Grade C reflective sheeting.

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
D 2000	56.2

FILENAME: U2579AA_SignDesigns
NORTH CAROLINA D.O.T. SIGN DETAIL

LETTER POSITIONS

Letter spacings are to start of next letter

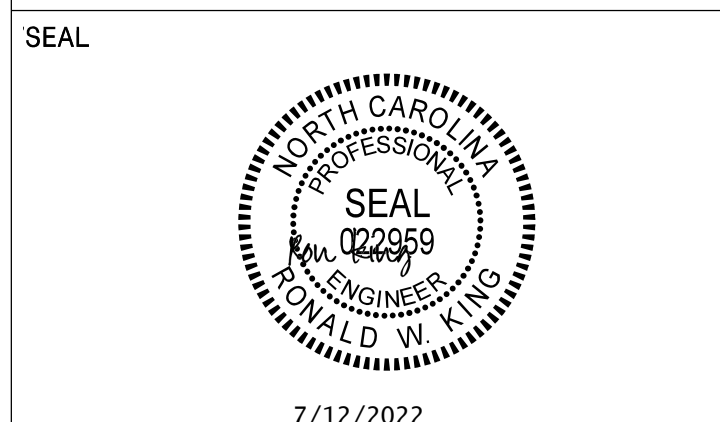
Series/Size	Text Length
D 2000	39.6
D 2000	56.2

FILENAME: U2579AA_SignDesigns
NORTH CAROLINA D.O.T. SIGN DETAIL

10:09:44 AM 2/11/2022 c:\pwworking\veast01\40779653\U-2579AA-SIGN-5DD0.dgn

SIGN DESIGNS

APPROVED: _____
DATE: _____



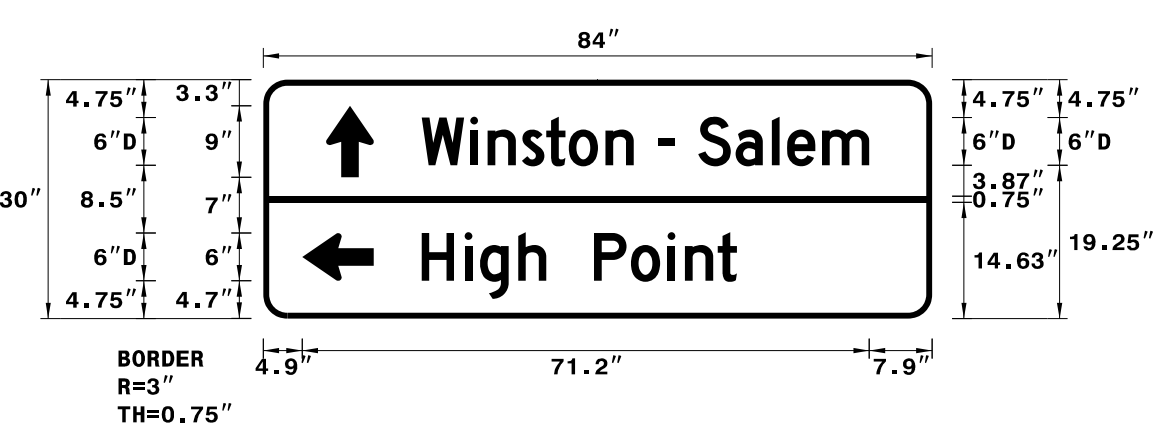
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



SIGN NUMBER: 305 & 316
TYPE: D
QUANTITY: 2
SIGN WIDTH: 7'-0"
HEIGHT: 2'-6"
TOTAL AREA: 17.5 Sq.-Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 0.75"
RADII: 3"
NO. Z BARS: _____
LENGTH: _____

SYMBOL	X	Y	WID	HT
AR_Type D	7.9	17.8	6	9
AR_Type D	4.9	4.8	6	9

DESIGN BY: R DRAYTON
PROJECT ID: U-2579AA
CHECKED BY: R KING
Oct 25, 2021
DIV: 9

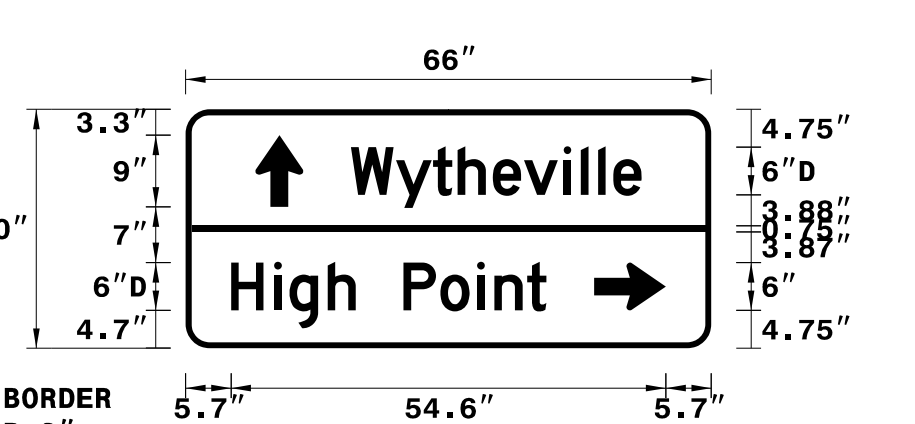


USE NOTES: 1,2
1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
2. Background shall be Grade C reflective sheeting.

SIGN NUMBER: 311 & 315
TYPE: D
QUANTITY: 2
SIGN WIDTH: 5'-6"
HEIGHT: 2'-6"
TOTAL AREA: 13.8 Sq.-Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 0.75"
RADII: 3"
NO. Z BARS: _____
LENGTH: _____

SYMBOL	X	Y	WID	HT
AR_Type D	8.8	17.8	6	9
AR_Type D	51.3	4.8	6	9

DESIGN BY: R DRAYTON
PROJECT ID: U-2579AA
CHECKED BY: R KING
Oct 22, 2021
DIV: 9



USE NOTES: 1,2
1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
2. Background shall be Grade C reflective sheeting.

LETTER POSITIONS

Letter spacings are to start of next letter															Series/Size	Text Length
	W	i	n	s	t	o	n	-	S	a	l	e	m		D 2000	
19.9	6.1	2.2	4.3	3.1	2.8	4.6	3.5	3	2.1	3	4.7	4.6	1.9	4.4	5.9	7.9
	H	i	g	h	P	o	i	n	t						D 2000	
19.9	5.4	1.9	4.8	3.5	6	4.6	4.6	2.2	4.1	2.4	24.5				39.6	

FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

LETTER POSITIONS

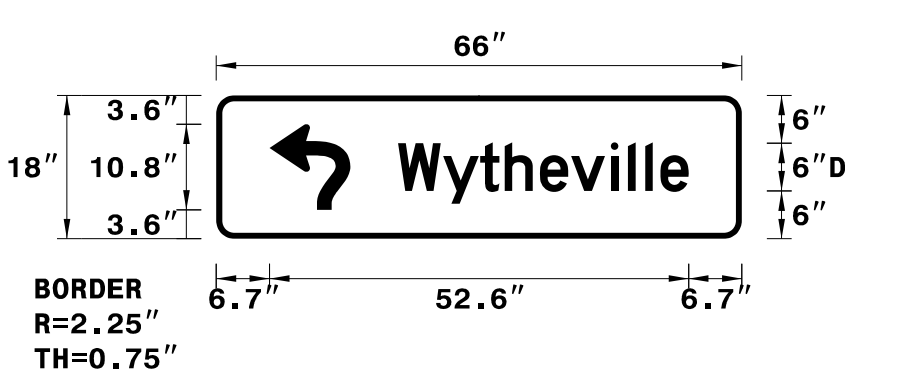
Letter spacings are to start of next letter															Series/Size	Text Length
	W	y	t	h	e	v	i	l	l	e					D 2000	
20.8	5.6	4.7	3.1	4.4	3.9	5	2.2	2.2	1.9	3.5	8.8				36.5	
	H	i	g	h	P	o	i	n	t						D 2000	
5.7	5.4	1.9	4.8	3.5	6	4.6	4.6	2.2	4.1	2.4	20.7				39.6	

FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 313
TYPE: D
QUANTITY: 1
SIGN WIDTH: 5'-6"
HEIGHT: 1'-6"
TOTAL AREA: 8.3 Sq.-Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 0.75"
RADII: 2.25"
NO. Z BARS: _____
LENGTH: _____

SYMBOL	X	Y	WID	HT
AR_FISHOOK	6.7	3.6	10.1	10.8

DESIGN BY: R DRAYTON
PROJECT ID: U-2579AA
CHECKED BY: R KING
Oct 22, 2021
DIV: 9

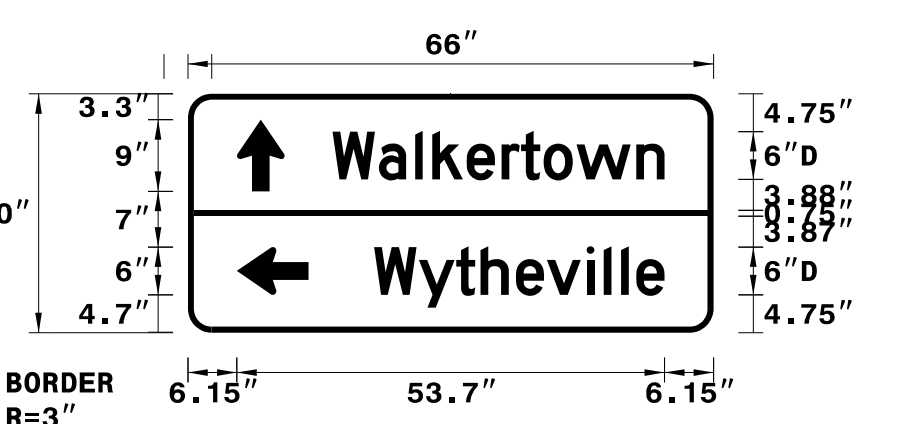


USE NOTES: 1,2
1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
2. Background shall be Grade C reflective sheeting.

SIGN NUMBER: 319
TYPE: D
QUANTITY: 1
SIGN WIDTH: 5'-6"
HEIGHT: 2'-6"
TOTAL AREA: 13.8 Sq.-Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 0.75"
RADII: 3"
NO. Z BARS: _____
LENGTH: _____

SYMBOL	X	Y	WID	HT
AR_Type D	6.2	17.8	6	9
AR_Type D	6.2	4.8	6	9

DESIGN BY: R DRAYTON
PROJECT ID: U-2579AA
CHECKED BY: R KING
Feb 25, 2022
DIV: 9



USE NOTES: 1,2
1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
2. Background shall be Grade C reflective sheeting.

LETTER POSITIONS

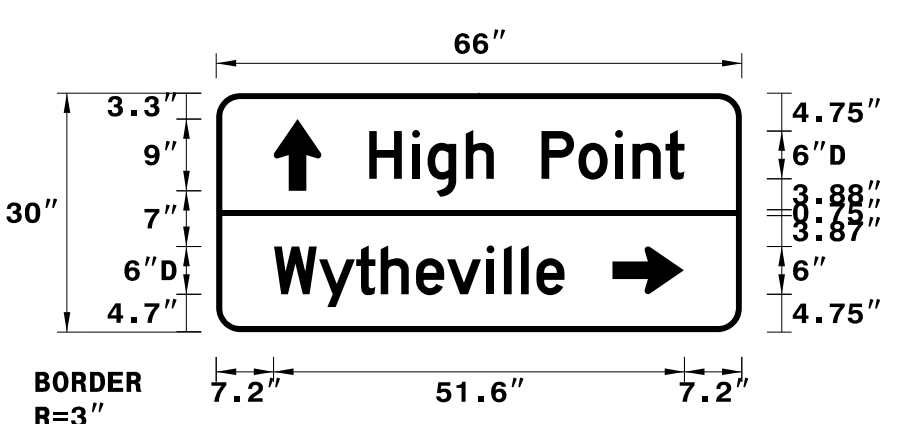
Letter spacings are to start of next letter															Series/Size	Text Length
	W	y	t	h	e	v	i	l	l	e					D 2000	
22.8	5.6	4.7	3.1	4.4	3.9	5	2.2	2.2	1.9	3.5	6.7				36.5	

FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 314 & 317
TYPE: D
QUANTITY: 2
SIGN WIDTH: 5'-6"
HEIGHT: 2'-6"
TOTAL AREA: 13.8 Sq.-Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 0.75"
RADII: 3"
NO. Z BARS: _____
LENGTH: _____

SYMBOL	X	Y	WID	HT
AR_Type D	7.2	17.8	6	9
AR_Type D	49.7	4.8	6	9

DESIGN BY: R DRAYTON
PROJECT ID: U-2579AA
CHECKED BY: R KING
Oct 22, 2021
DIV: 9



USE NOTES: 1,2
1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
2. Background shall be Grade C reflective sheeting.

LETTER POSITIONS

Letter spacings are to start of next letter															Series/Size	Text Length
	W	a	l	k	e	r	t	o	w	n					D 2000	
18.2	5.8	4.6	2.2	4.3	4.4	2.5	2.8	4.1	7.5	3.5	6.2				41.7	
	W	y	t	h	e	v	i	l	l	e					D 2000	
23.4	5.6	4.7	3.1	4.4	3.9	5	2.2	2.2	1.9	3.5	6.2				36.5	

FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

LETTER POSITIONS

Letter spacings are to start of next letter															Series/Size	Text Length
	H	i	g	h	P	o	i	n	t						D 2000	
19.2	5.4	1.9	4.8	3.5	6	4.6	4.6	2.2	4.1	2.4	7.2				39.6	
	W	y	t	h	e	v	i	l	l	e					D 2000	
7.3	5.6	4.7	3.1	4.4	3.9	5	2.2	2.2	1.9	3.5	22.3				36.5	

FILENAME: U2579AA_SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

8:03:19 AM
3/2/2022
c:\pwworking\east01\job779653\U-2579AA-SIGN-5EEE.dgn

SIGN DESIGNS