

T.I.P.: U-2579AB


CONTRACT:

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

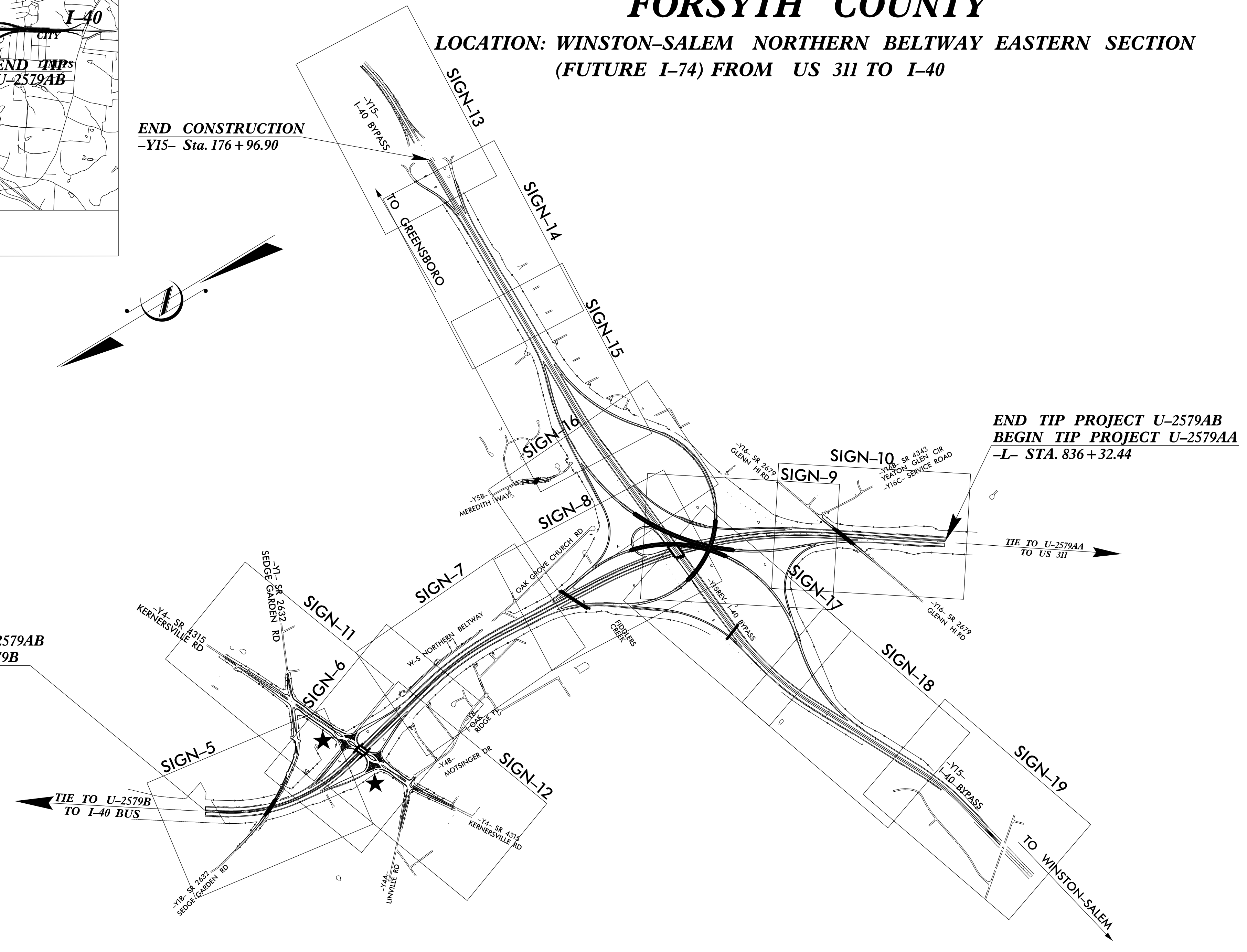
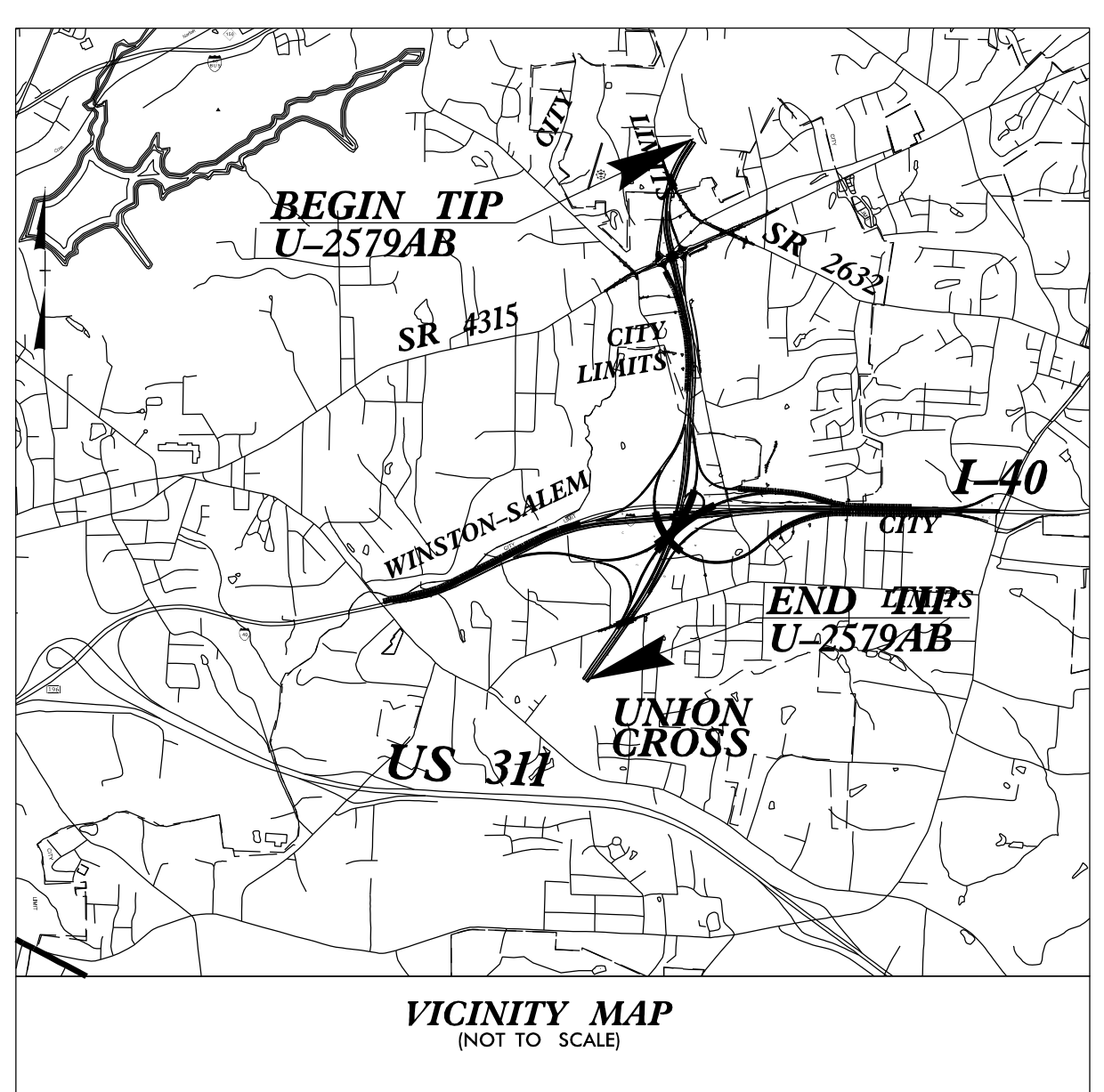
**SIGNING PLAN
FORSYTH COUNTY**

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

PROJECT REFERENCE NO. U-2579AB	SHEET NO. SIGN-1
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 Ron King 10/13/2021

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



★ PROPOSED SIGNAL

INDEX OF SHEETS

SIGN-1-SIGN-1A	TITLE, NOTES AND RDWY STD DWGS
SIGN-2-SIGN-2B	SUPPORT INFORMATION & GROUND MOUNTED SHEETS
SIGN-3-SIGN-3B	E, & F SIGNS AND MILEMARKERS
SIGN-4-SIGN-4T	A, B, & D SIGN DESIGNS AND
SIGN-4U-SIGN-4XX	OVERHEAD DETAILS
SIGN-5-SIGN-19	SIGN DETAIL SHEETS

NCDOT CONTACT INFORMATION

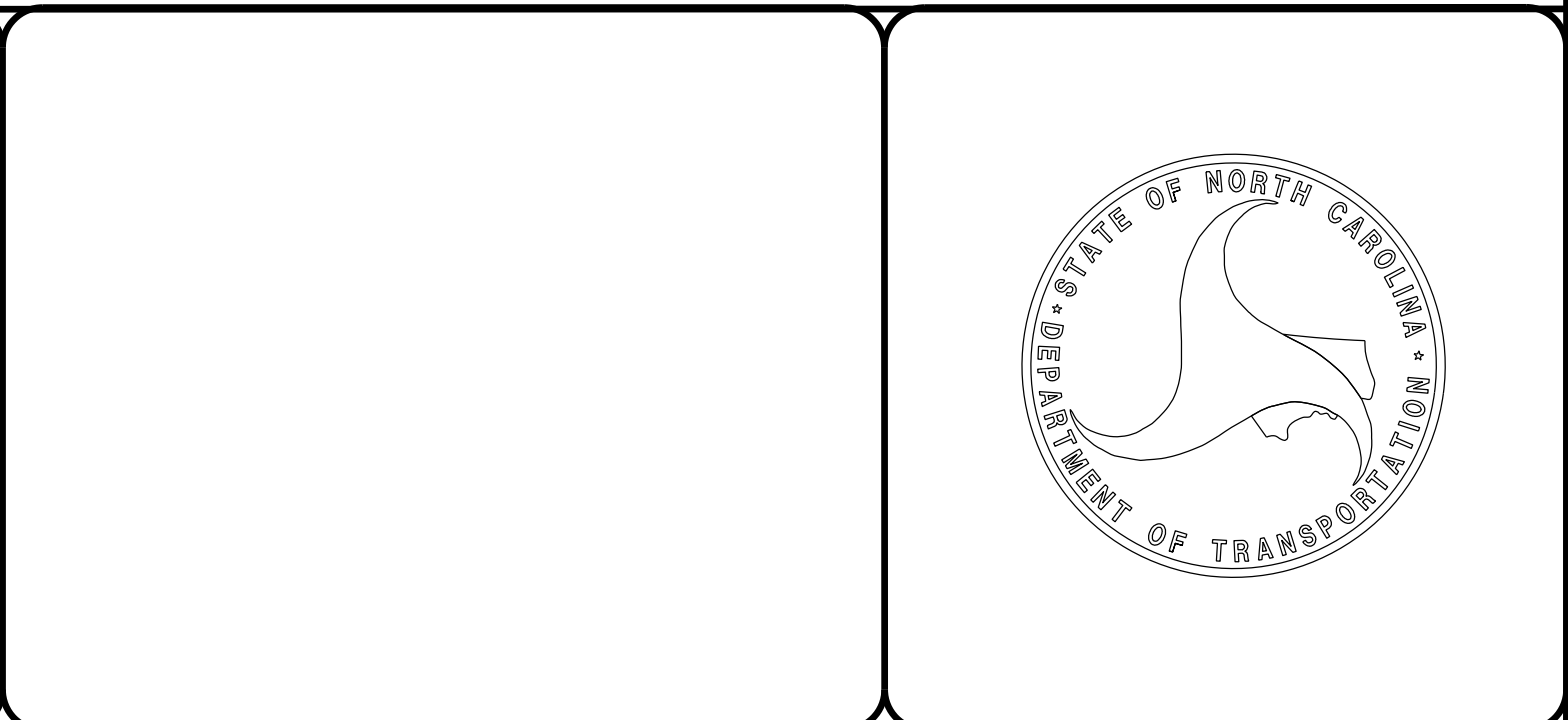
KELVIN JORDAN	REGIONAL ENGINEER
ASHLEY MATTHEWS, PE,	DESIGN ENGINEER III

Plan Prepared By:

HR 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

RON KING, P.E.
 PROJECT ENGINEER

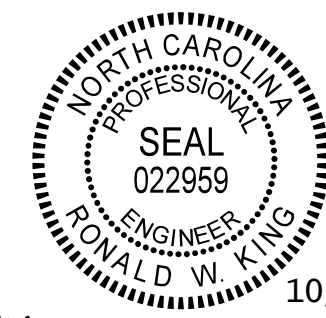

RICHARD DRAYTON
 PROJECT DESIGN ENGINEER



ROADWAY STANDARD DRAWING

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" - 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
901.20	TYPE 'B' SIGNS
901.50	ARROWS AND SHIELDS
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
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
910.20	SIGNING SCHOOL ZONE WITH MARKED CROSSWALKS WHERE SPEED REDUCTION IS REQUIRED
910.40	SINGLE LANE ROUNDABOUT SIGNING WITH PEDESTRIANS

PROJECT REFERENCE NO. U-2579AB	SHEET NO. SIGN-1A
	
Ron King 10/13/2021	
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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	

SUMMARY OF QUANTITIES

ITEM NO.	DESC. NO.	SECT. NO.	ITEM DESCRIPTION	QUANTITY	UNIT
4048000000	902		REINFORCED CONCRETE SIGN FOUNDATION	15	C.Y.
4054000000	902		PLAIN CONCRETE SIGN FOUNDATION	3	C.Y.
4057000000	SP		OVERHEAD FOOTING	687	C.Y.
4060000000	903		SUPPORTS, BREAKAWAY STEEL BEAM	15077	LB.
4066000000	903		SUPPORTS, SIMPLE STEEL BEAM	4418	LB.
4072000000	903		SUPPORTS, 3 LB STEEL U-CHANNEL	4723	L.F.
4078000000	903		SUPPORTS, 2 LB STEEL U-CHANNEL	14	EA.
4082100000	906		SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA 702+30-L-	1	LS
4082100000	906		SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA 706+00-L-	1	LS
4082100000	906		SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA 31+94-Y4-	1	LS
4082100000	906		SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA 26+00-Y4-	1	LS
4082100000	906		SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA 737+50-L-	1	LS
4082100000	906		SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA 29+41-Y4-	1	LS
4082100000	906		SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA 763+84-L-	1	LS
4082100000	906		SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA 757+00-L-	1	LS
4082100000	906		SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA 737+50-L-	1	LS
4082100000	906		SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA 26+37-Y15FLYBD-	1	LS
4082100000	906		SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA 56+00-Y15REV-	1	LS
4082100000	906		SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA 47+00-Y15FLYAC-	1	LS
4082100000	906		SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA 52+00-Y15FLYCA-	1	LS
4082100000	906		SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA 794+00-L-	1	LS
4082100000	906		SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA 826+00-L-	1	LS
4082100000	906		SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA 835+50-L-	1	LS
4082100000	906		SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA 819+00-L-	1	LS
4082100000	906		SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA 20+87-Y4-	1	LS
4082100000	906		SUPPORTS, OVERHEAD SIGN STRUCTURE AT 650' FROM EXISTING EXIT GORE SIGN	1	LS
4082100000	906		SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA 160+00-Y15-	1	LS
4082100000	906		SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA 160+85-Y15-	1	LS
4082100000	906		SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA 89+70-Y15REV-	1	LS
4082100000	906		SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA 32+00-Y15FLYAC-	1	LS
4082100000	906		SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA 91+50-Y15REV-	1	LS
4082100000	906		SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA 76+25-Y15FLYBD-	1	LS
4082100000	906		SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA 34+68-Y15FLYCA-	1	LS
4082100000	906		SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA 32+00-Y15-	1	LS
4082100000	906		SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA 50+46-Y15-	1	LS
4082100000	906		SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA 24+50-Y15-	1	LS
4082100000	906		SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA 17+50-Y15REV-	1	LS
4082100000	906		SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA 686+00-L-	1	LS
4082100000	906		SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA 666+00-L-	1	LS
4096000000	904		SIGN ERECTION, TYPE D	7	EA.
4102000000	904		SIGN ERECTION, TYPE E	255	EA.
4108000000	904		SIGN ERECTION, TYPE F	7	EA.
4109000000	904		SIGN ERECTION, TYPE A (OVERHEAD)	56	EA.
4109000000	904		SIGN ERECTION, TYPE B (OVERHEAD)	29	EA.
4110000000	904		SIGN ERECTION, TYPE A (GROUND MOUNTED)	18	EA.
4110000000	904		SIGN ERECTION, TYPE B (GROUND MOUNTED)	2	EA.
4114000000	904		SIGN ERECTION, MILEMARKERS	12	EA.
4116100000	904		SIGN ERECTION, RELOCATE SIGN TYPE A (GROUND MOUNTED)	3	EA.
4138000000	907		DISPOSAL OF SUPPORT, STEEL BEAM	6	EA.
4152000000	907		DISPOSAL OF SIGN SYSTEM, STEEL BEAM	5	EA.
4155000000	907		DISPOSAL OF SIGN SYSTEM, U-CHANNEL	33	EA.

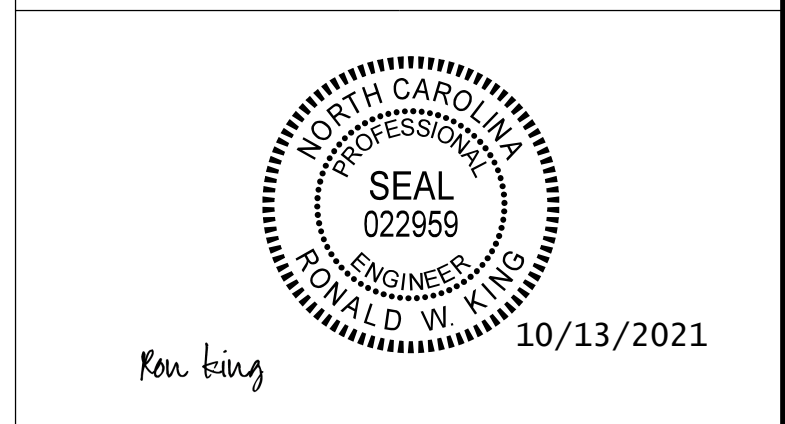
GENERAL NOTES

- 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
- ALL EXISTING SIGNS ON "U" CHANNEL POST WITHIN THE PROJECT LIMITS SHALL BE REMOVED AND DISPOSED OF UNLESS OTHERWISE NOTED ON PLANS.
- 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

1. DISPOSAL OF SIGN SYSTEM, U-CHANNEL
2. RELOCATED BY OTHERS
3. DISPOSAL OF SIGN SYSTEM, STEEL BEAM
4. REMOVED BY OTHERS
5. RELOCATE SIGN, TYPE B (GROUND MOUNTED)
6. DISPOSAL OF SUPPORT, STEEL BEAM

NOTES



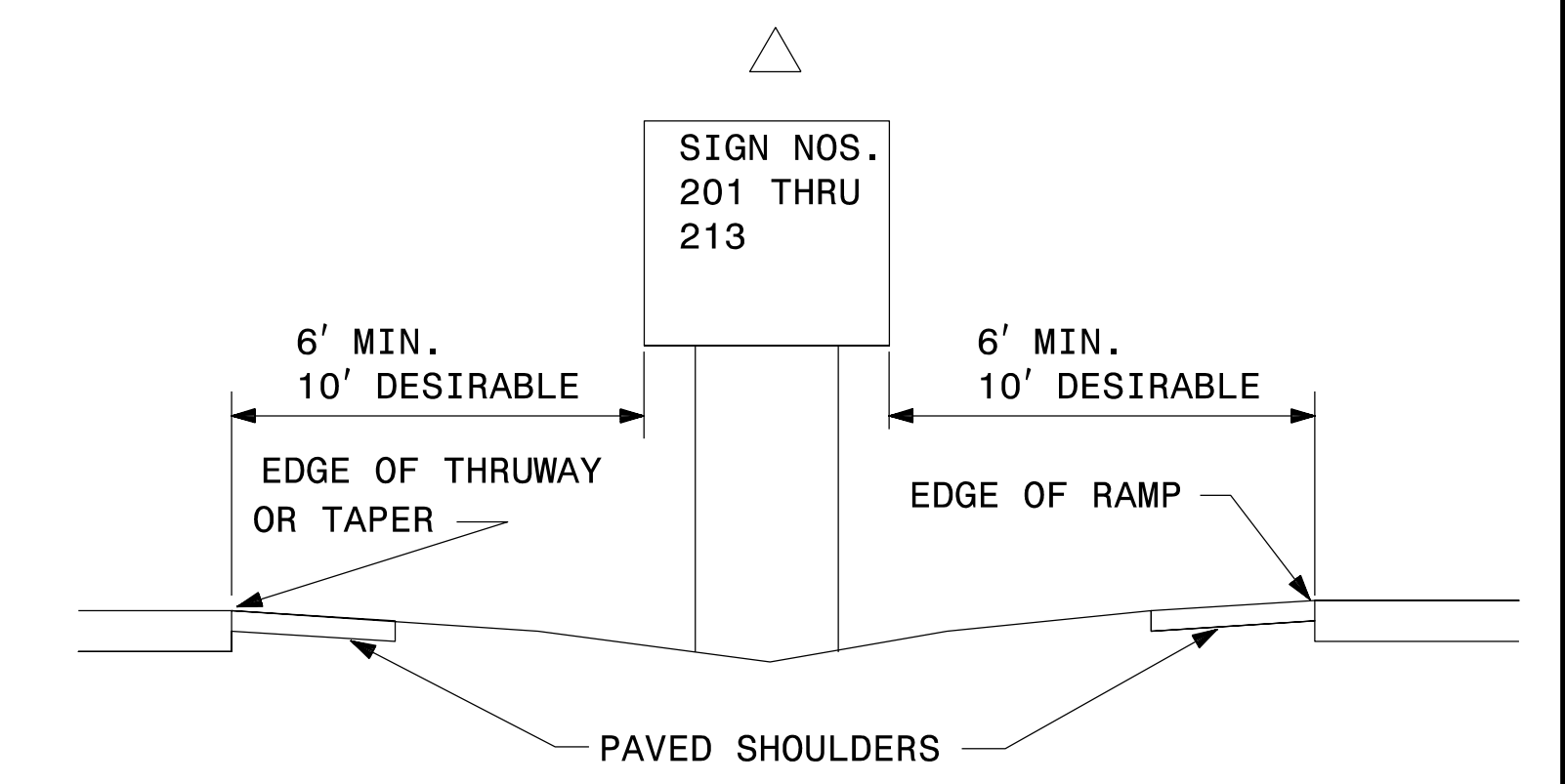
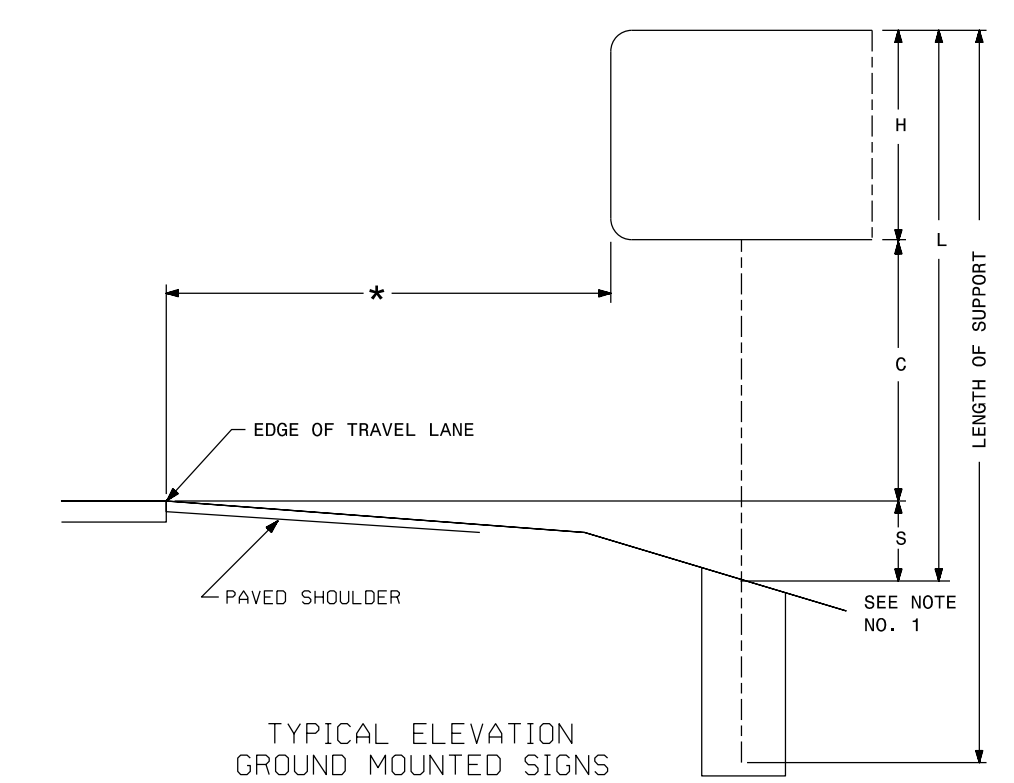
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HDR HDR Engineering, Inc. of the Carolinas
555 Fayetteville St. Suite 900 Raleigh, N.C. 27601
N.C.B.E.L.S. License Number: F-0116


SIGN		SIZE (in.)			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)													
NUMBER	TYPE	w	x	h										SNS HT	MTG HT	EMB. MENT	S	L	LENGTH	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	186	x	72	697+00 -L- 40+50 -Y4- (Curb&Gutter & Sidewalk)	2	W6x16	BA	N/A	N/A	N/A	30.00	9.08	6.00	7.00	3.5	5.15	18.15	21.65	0.00	0.00	0.00	6.66	19.66	23.16	810.96	0	1.5	4	0.52	0.00														
102	A	138	x	174	22+00 -Y4-	2	W6x16	BA	N/A	N/A	N/A	23.00	6.74	14.50	10.53	4.5	-2.18	22.85	27.35	0.00	0.00	0.00	-3.53	21.50	26.00	947.60	0	1.5	5	0.65	0.00														
103	A	138	x	174	22+00 -Y4-	2	W6x16	BA	N/A	N/A	N/A	30.00	6.74	14.50	7.00	4.5	1.53	23.03	27.53	0.00	0.00	0.00	1.43	22.93	27.43	973.36	0	1.5	5	0.65	0.00														
104A	B	114	x	30	805+00 -L-	3	W6x16	BA	N/A	1-R	N/A	30.00	7.10	10.00	7.00	4.0	1.00	18.00	22.00	1.00	18.00	22.00	1.00	18.00	22.00	1197.00	0	1.5	4.5	0.88	0.00														
104B	A	240	x	120	805+00 -L-	3	W6x16	BA	N/A	N/A	N/A	30.00	7.10	10.00	7.00	4.0	1.00	18.00	22.00	1.00	18.00	22.00	1.00	18.00	22.00	1197.00	0	1.5	4.5	0.88	0.00														
105	A	156	x	78	33+00 -Y15FLYCA-	2	W6x12	BA	N/A	N/A	N/A	30.00	7.62	6.50	7.00	3.5	2.00	15.50	19.00	0.00	0.00	0.00	3.28	16.78	20.28	549.36	0	1.5	4	0.52	0.00														
106	A	156	x	78	24+00 -Y15FLYBD-	2	W6x16	S	N/A	N/A	N/A	20.00	7.62	6.50	7.00	4.0	4.35	17.85	21.85	0.00	0.00	0.00	8.16	21.66	25.66	0.00	760.16	1.5	4.5	0.59	0.00														
107	A	156	x	78	29+50 -Y15FLYAC-	2	W6x16	S	N/A	N/A	N/A	20.00	7.62	6.50	7.00	3.5	3.36	16.86	20.36	0.00	0.00	0.00	7.17	20.67	24.17	0.00	712.48	1.5	4	0.52	0.00														
201	A	78	x	60	713+79 -L-	2	S3x5.7	BA	N/A	N/A	N/A	Δ	3.81	5.00	7.00	2.5	0.56	12.56	15.06	0.00	0.00	0.00	0.55	12.55	15.05	207.63	0	1.0	3	0.00	0.17														
202	A	78	x	60	732+00 -L-	2	S3x5.7	BA	N/A	N/A	N/A	Δ	3.81	5.00	7.00	2.5	1.90	13.90	16.40	0.00	0.00	0.00	1.53	13.53	16.03	220.85	0	1.0	3	0.00	0.17														
203	A	78	x	60	766+55 -L-	2	S3x5.7	BA	N/A	N/A	N/A	Δ	3.81	5.00	7.00	2.5	1.65	13.65	16.15	0.00	0.00	0.00	1.84	13.84	16.34	221.19	0	1.0	3	0.00	0.17														
204	A	72	x	60	13+60 -Y15RPB-	2	S3x5.7	BA	N/A	N/A	N/A	Δ	3.52	5.00	7.00	2.5	0.94	12.94	15.44	0.00	0.00	0.00	0.49	12.49	14.99	209.45	0	1.0	3	0.00	0.17														
205A	A	108	x	60	783+00 -L-	2	W6x9	BA	N/A	N/A	N/A	Δ	5.27	7.00	7.00	3.0	2.07	16.07	19.07	0.00	0.00	0.00	1.50	15.50	18.50	402.13	0	1.5	3.5	0.46	0.00														
205B	B	108	x	24	783+00 -L-	2	W6x9	BA	N/A	N/A	N/A	Δ	5.27	7.00	7.00	3.0	2.07	16.07	19.07	0.00	0.00	0.00	1.50	15.50	18.50	402.13	0	1.5	3.5	0.46	0.00														
206	A	108	x	60	808+10 -L-	2	S3x5.7	BA	N/A	N/A	N/A	Δ	5.27	5.00	7.00	3.0	0.84	12.84	15.84	0.00	0.00	0.00	0.70	12.70	15.70	215.78	0	1.0	3.5	0.00	0.20														
207	A	96	x	60	53+35 -Y15-	2	S3x5.7	BA	N/A	N/A	N/A	Δ	4.69	5.00	7.00	3.0	2.20	14.20	17.20	0.00	0.00	0.00	2.40	14.40	17.40	233.22	0	1.0	3.5	0.00	0.20														
208	A	72	x	60	13+50 -Y15RPC-	2	S3x5.7	BA	N/A	N/A	N/A	Δ	3.52	5.00	7.00	2.5	0.35	12.35	14.85	0.00	0.00	0.00	0.34	12.34	14.84	205.23	0	1.0	3	0.00	0.17														
209	A	72	x	60	13+50 -Y15RPA-	2	S3x5.7	BA	N/A	N/A	N/A	Δ	3.52	5.00	7.00	2.5	0.70	12.70	15.20	0.00	0.00	0.00	0.61	12.61	15.11	208.77	0	1.0	3	0.00	0.17														
210	A	96	x	60	87+00 -Y15REV-	2	S3x5.7	BA	N/A	N/A	N/A	Δ	4.69	5.00	7.00	2.5	1.32	13.32	15.82	0.00	0.00	0.00	1.59	13.59	16.09	217.89	0	1.0	3	0.00	0.17														
211	A	96	x	60	167+00 -Y15-	2	S3x5.7	BA	N/A	N/A	N/A	Δ	4.69	5.00	7.00	2.5	1.83	13.83	16.33	0.00	0.00	0.00	1.34	13.34	15.84	219.37	0	1.0	3	0.00	0.17														
212	A	138	x	60	680+83 -L-	2	S4x7.7	BA	N/A	N/A	N/A	Δ	6.74	5.00	7.00	3.0	1.83	13.83	16.83	0.00	0.00	0.00	1.34	13.34	16.34	295.41	0	1.0	3.5	0.00	0.20														
213	A	108	x	60	662+00 -Y4CD-	2	S3x5.7	BA	N/A	N/A	N/A	Δ	5.27	5.00	7.00	3.0	1.83	13.83	16.83	0.00	0.00	0.00	1.34	13.34	16.34	225.07	0	1.0	3.5	0.00	0.20														
901	A	180	x	120	41+00 -Y15REV-	2	W10x22	BA	N/A	N/A	N/A	22.00	8.79	10.00	7.00	4.0	5.45	22.45	26.45	0.00	0.00	0.00	9.85	26.85	30.85	1498.60	0	2.5	4.5	1.64	0.00														
902	A	180	x	120	33+00 -Y15REV-	2	W10x22	BA	N/A	N/A	N/A	22.00	8.79	10.00	7.00	4.0	5.46	22.46	26.46	0.00	0.00	0.00	9.87	26.87	30.87	1499.26	0	2.5	4.5	1.64	0.00														
903	A	180	x	120	25+00 -Y15REV-	2	W8x18	BA	N/A	N/A	N/A	30.00	8.79	10.00	7.00	4.0	5.20	22.20	26.20	0.00	0.00	0.00	2.03	19.03	23.03	1026.14	0	2.0	4.5	1.05	0.00														
																					TOTAL	15076.98	TOTAL	4417.92	TOTAL	14.17	TOTAL	2.21																	
																					USE:	15077.00	4418.00		15.00	3.00																			

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.



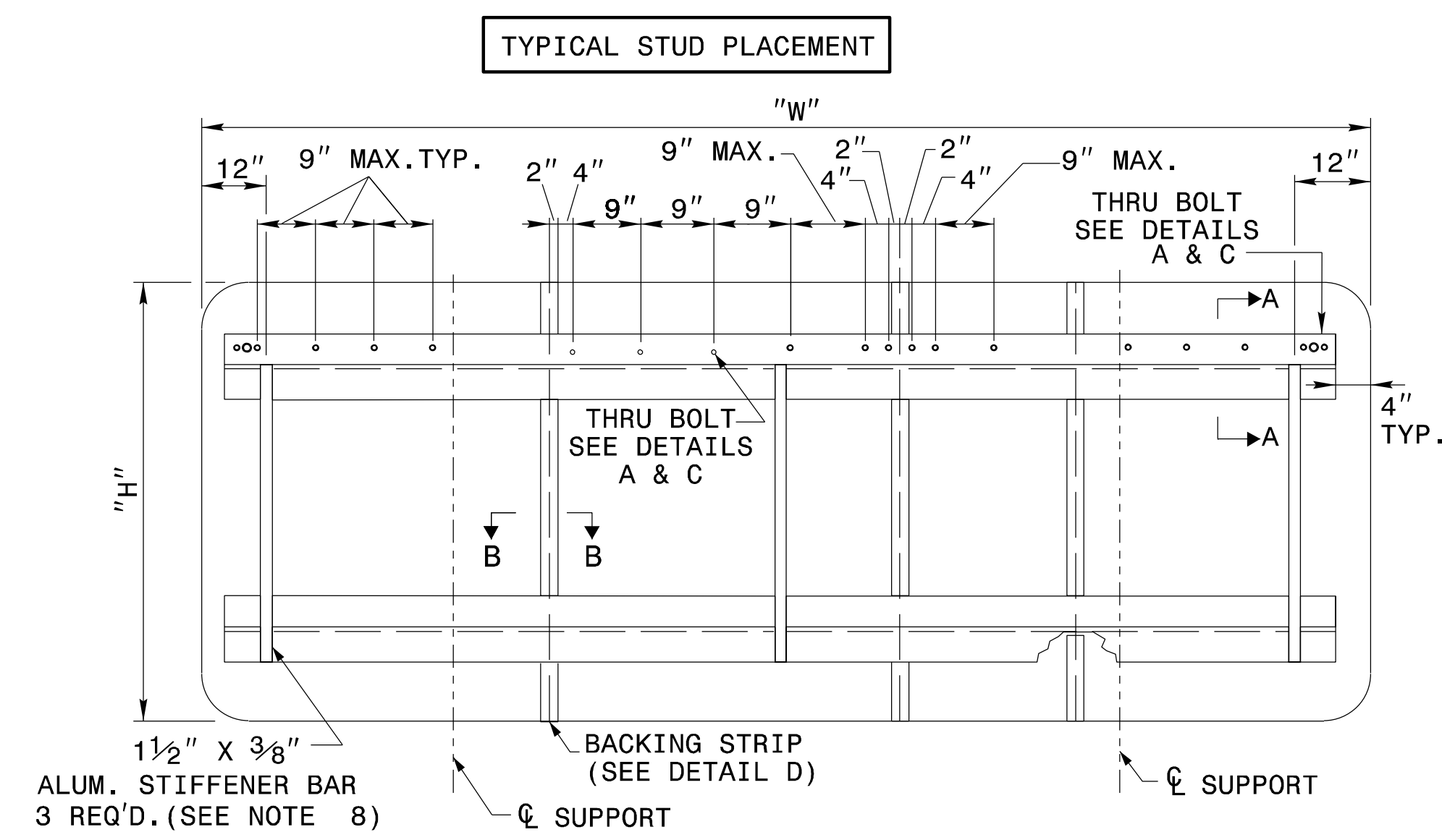
TYPE "A" AND TYPE "B" GROUND MOUNTED SIGNS

TIP NO. U-2579AB	SHEET NO. SIGN-2A
DocuSigned by: <i>Matthew V. Springer</i>	
APPROVED: 3/21/2019	
DATE: BC60F6E8B584403...	
SEAL	
	

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

2-19

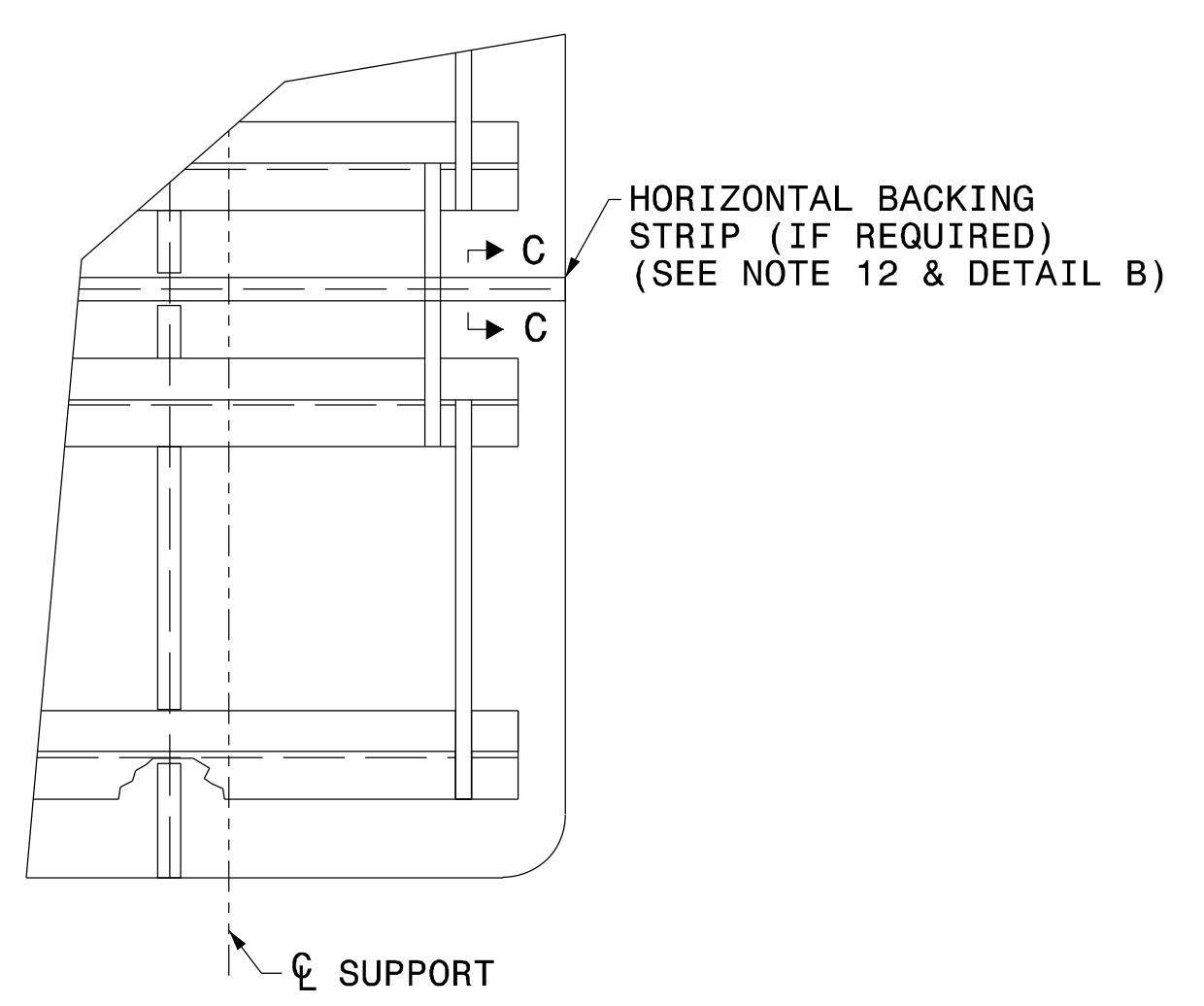
ENGLISH DETAIL DRAWING FOR
TYPE 'A' SIGNS
 WELDED STUD CONSTRUCTION



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

HORIZONTAL BACKING STRIP



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

SHEET 1 OF 2

901D10

**REVISED SIGNING
ROADWAY STANDARD DRAWING**

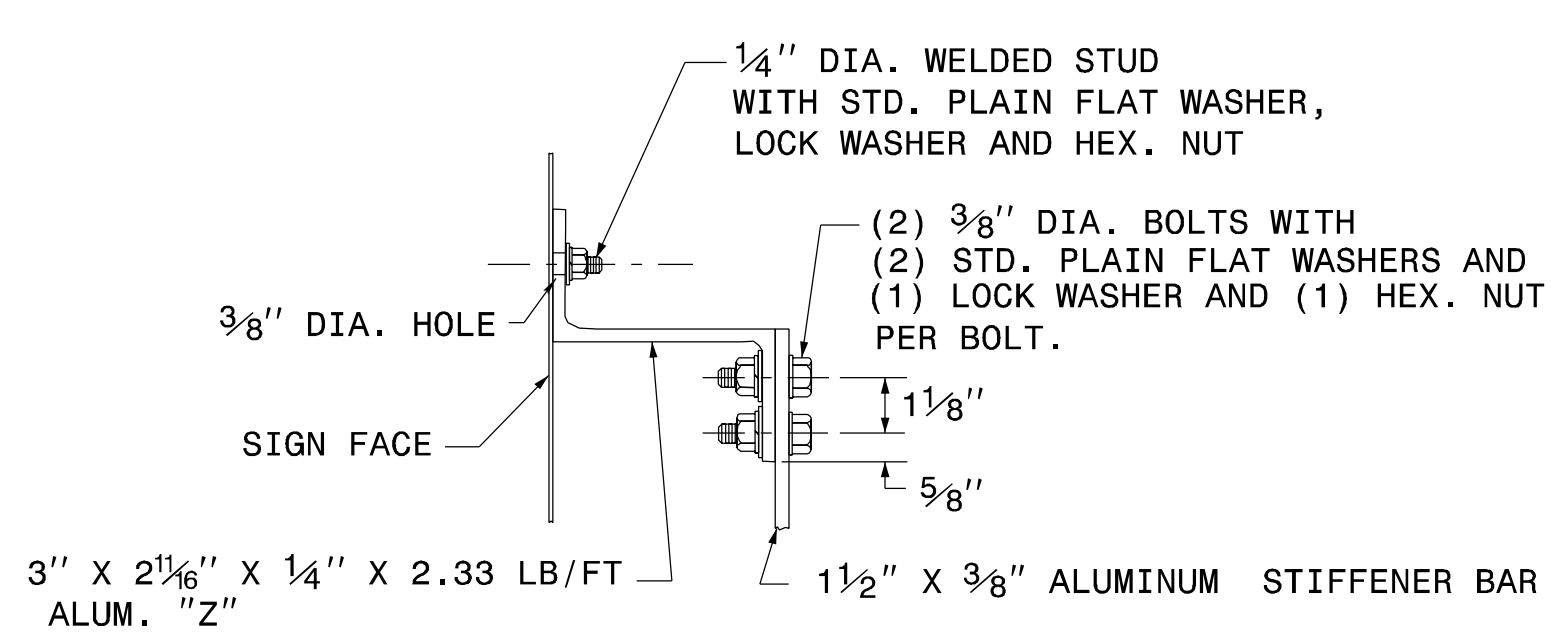
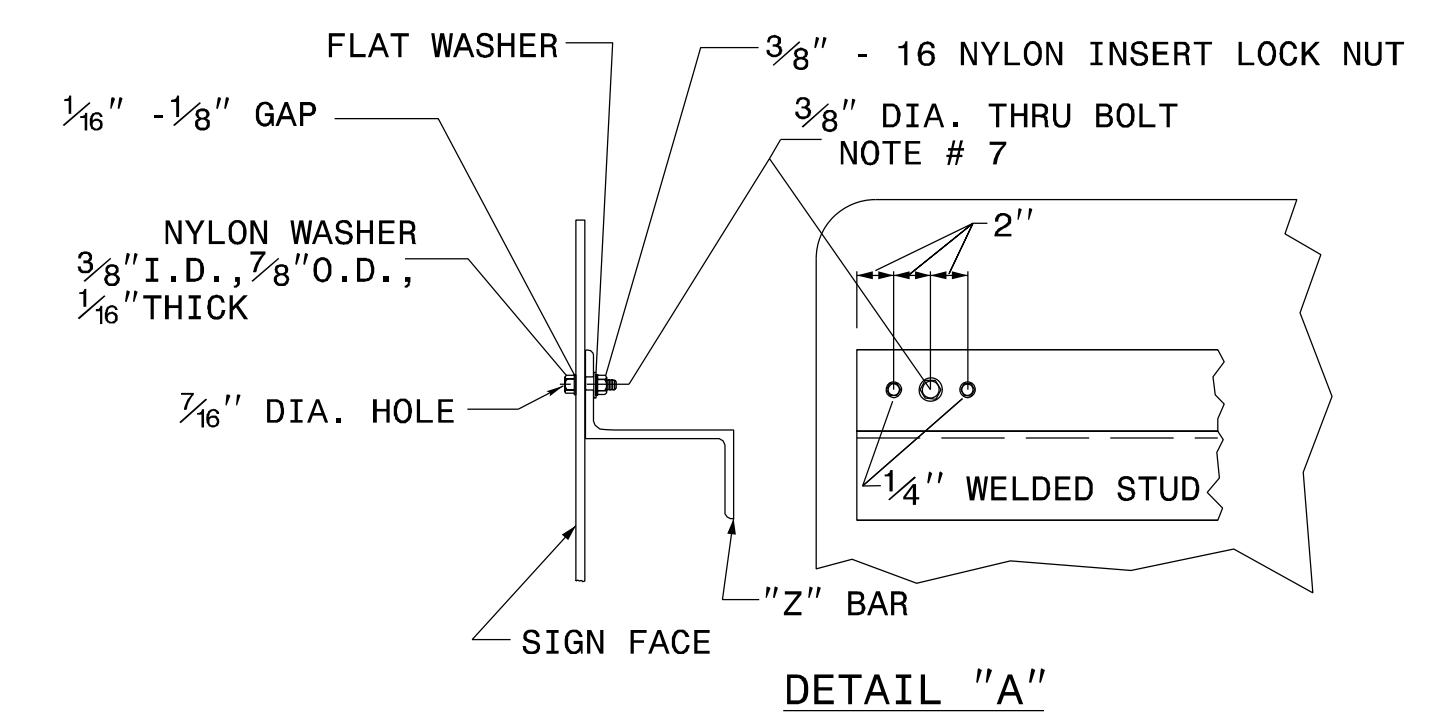
03/20/19
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 User:RSTONES

TIP NO. U-2579AB	SHEET NO. SIGN-2B
DocuSigned by: <i>Matthew V. Springer</i>	
APPROVED: 3/21/2019	
DATE: BC60F6E8B584403...	
SEAL	

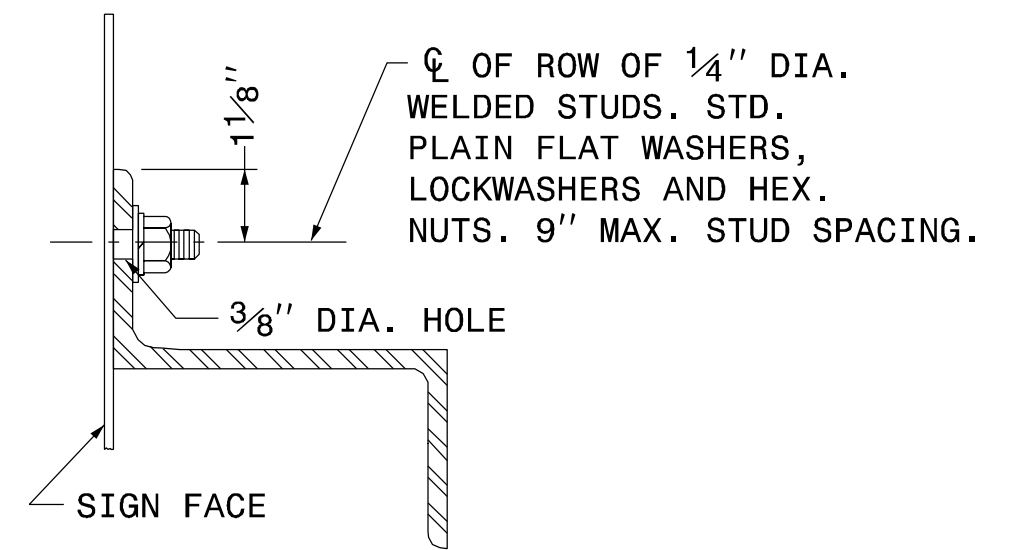
STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

2-19

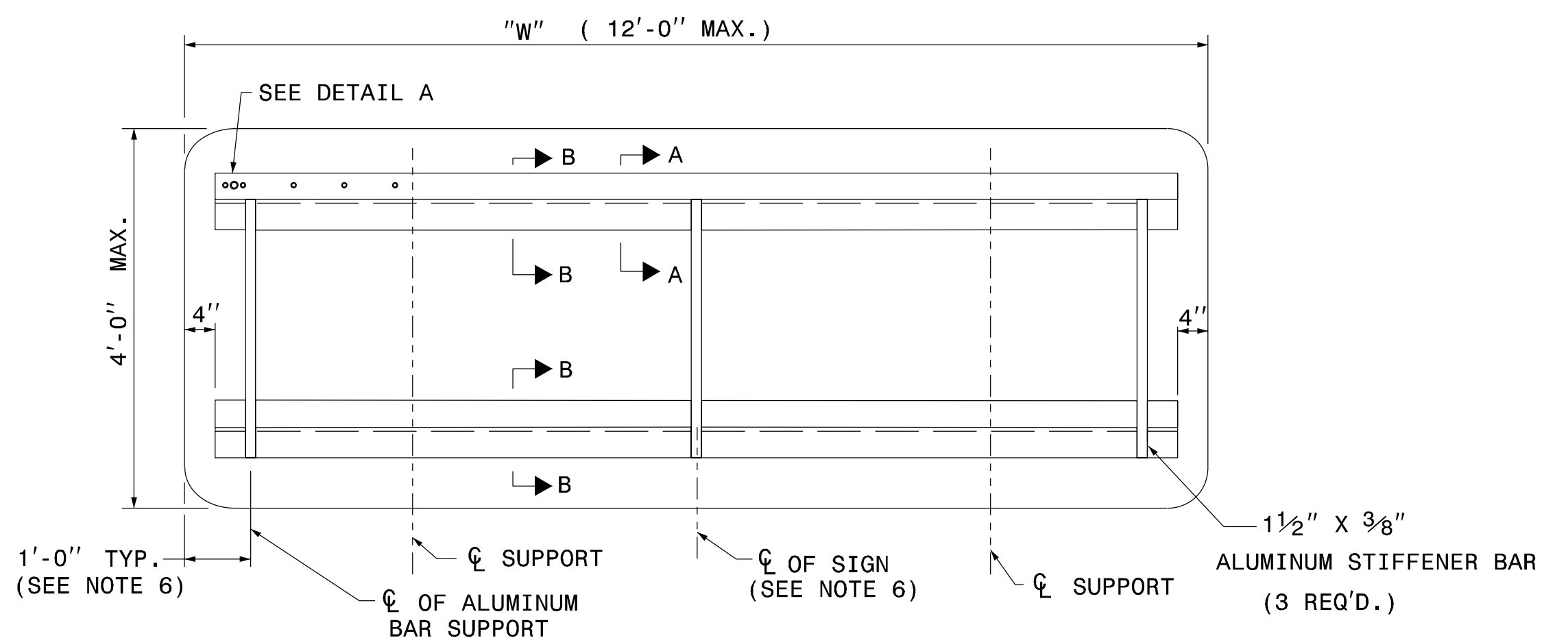
ENGLISH DETAIL DRAWING FOR
TYPE 'B' SIGNS
WELDED STUD CONSTRUCTION



SECTION A-A
STIFFENER DETAIL



SECTION B-B



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

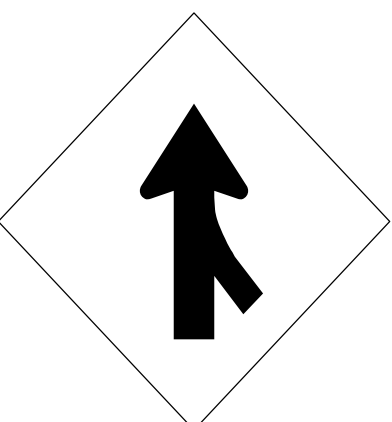

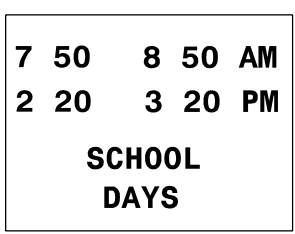


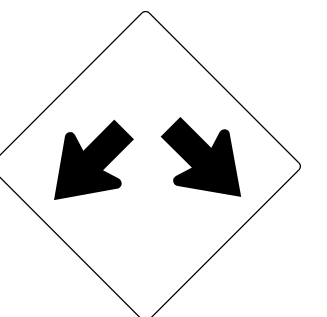

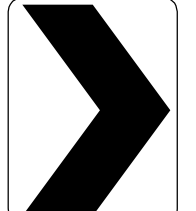


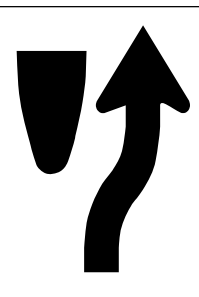

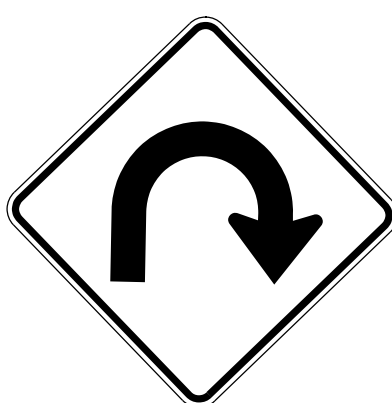
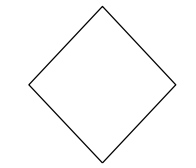
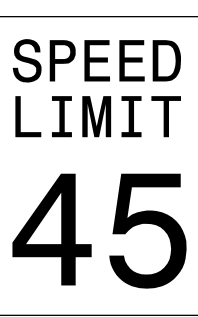
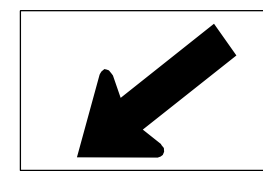
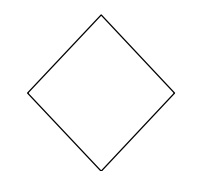




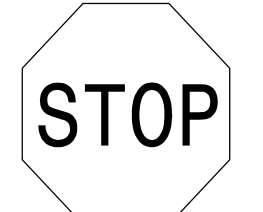
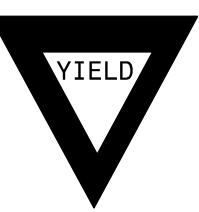


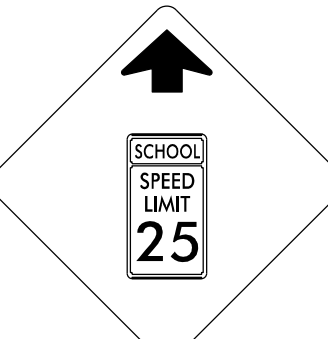


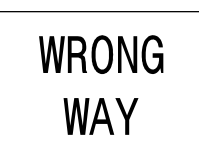
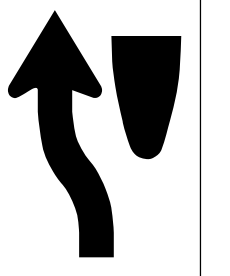


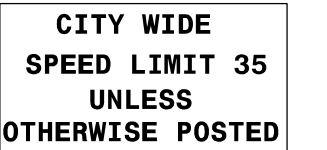
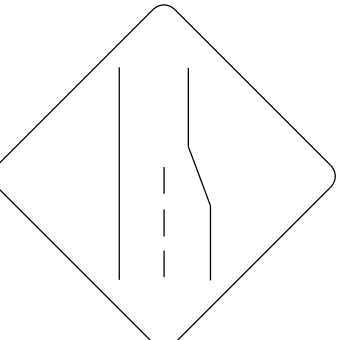
SHEET 1 OF 1
901D20

SHEET 1 OF 1
901D20

**REVISED SIGNING
ROADWAY STANDARD DRAWING**

03/20/19 S:\S&DU\Standards and Drawings\Drawings\2018 Standard Dwgs\Division 9 Final\0901d20.sgn_type b sign_2-19.dgn User:dstokes

PROJECT REFERENCE NO. U-2579AB	SHEET NO. SIGN-3
<p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>	
<p>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>	

<p>401 QUANTITY REQ'D <u>9</u></p>  <p>48 X 48 W4-1 (R)</p> <p>TWO "U" POSTS PER SIGN</p>	<p>406 QUANTITY REQ'D <u>1</u></p>  <p>48 X 48 W1-13(R)</p> <p>TWO "U" POSTS</p>	<p>411 QUANTITY REQ'D <u>2</u></p>  <p>24 X 24 S4-1a</p> <p>SCHOOL DAYS</p> <p>MOUNT BELOW SIGN 415 IN 2 INSTALLATIONS</p>	<p>416 QUANTITY REQ'D <u>18</u></p>  <p>36 X 36 R5-1</p> <p>DO NOT ENTER</p> <p>ONE "U" POST PER SIGN</p>	<p>421 QUANTITY REQ'D <u>8</u></p>  <p>54 X 18 R6-1 (L)</p> <p>ONE WAY</p> <p>TWO "U" POSTS PER SIGN</p>	<p>426 QUANTITY REQ'D <u>4</u></p>  <p>36 X 36 W12-1</p> <p>ONE "U" POST PER SIGN</p>
<p>402 QUANTITY REQ'D <u>1</u></p>  <p>36 X 60 W13-6</p> <p>EXIT 35 M.P.H.</p> <p>TWO "U" POSTS</p>	<p>407 QUANTITY REQ'D <u>14</u></p>  <p>36 X 48 W1-8(R)</p> <p>INSTALL ON TWO "U" POSTS PER SIGN SPACED APPROX 24 INCHES APART ON SUPPORT CENTERS</p> <p>INSTALL 28 INCH HORIZONTAL CROSS BRACING LEAVING A 4 INCH MARGIN FROM LEFT AND RIGHT EDGES OF SIGN</p> <p>INSTALLATION HEIGHT: BOTTOM OF SIGN SHALL BE 4 FEET ABOVE THE EDGE OF TRAVEL LANE ELEVATION (LEFT EDGE LINE OF RAMP)</p> <p>ALL OTHER PORTIONS OF ROADWAY STANDARD DRAWING 904.50 APPLY</p>	<p>412 QUANTITY REQ'D <u>3</u></p>  <p>30 X 36 R2-1</p> <p>SPEED LIMIT 35</p> <p>ONE "U" POST PER SIGN</p>	<p>417 QUANTITY REQ'D <u>3</u></p>  <p>36 X 36 S1-1</p> <p>YELLOW/GREEN REFLECTIVE SHEETING</p> <p>ONE "U" POST PER SIGN</p>	<p>422 QUANTITY REQ'D <u>9</u></p>  <p>24 X 30 R4-7</p> <p>ONE "U" POST PER SIGN</p>	<p>427 QUANTITY REQ'D <u>6</u></p>  <p>36 X 36 W11-2</p> <p>YELLOW/GREEN REFLECTIVE SHEETING</p> <p>ONE "U" POST PER SIGN</p>
<p>403 QUANTITY REQ'D <u>1</u></p>  <p>48 X 48 W1-11</p> <p>TWO "U" POST</p>	<p>408 QUANTITY REQ'D <u>33</u></p>  <p>18 X 18 OM4-1</p> <p>ONE "U" POST PER SIGN</p>	<p>413 QUANTITY REQ'D <u>6</u></p>  <p>30 X 36 R2-1</p> <p>SPEED LIMIT 45</p> <p>ONE "U" POST PER SIGN</p>	<p>418 QUANTITY REQ'D <u>4</u></p>  <p>24 X 12 W16-7</p> <p>YELLOW/GREEN REFLECTIVE SHEETING</p> <p>MOUNT BELOW SIGN 427 IN 7 INSTALLATIONS</p>	<p>423 QUANTITY REQ'D <u>11</u></p>  <p>18 X 18 OM1-3</p> <p>MOUNT BELOW SIGN 422 IN 9 INSTALLATIONS</p> <p>MOUNT BELOW SIGN 430 IN 2 INSTALLATIONS</p>	<p>428 QUANTITY REQ'D <u>6</u></p>  <p>36 X 36 R3-2</p> <p>ONE "U" POST PER SIGN</p>
<p>404 QUANTITY REQ'D <u>2</u></p>  <p>30 X 30 W13-1</p> <p>25 M.P.H.</p> <p>MOUNT BELOW SIGN 403 IN 1 INSTALLATION</p> <p>MOUNT BELOW SIGN 406 IN 1 INSTALLATION</p>	<p>409 QUANTITY REQ'D <u>1</u></p>  <p>36 X 36 W3-5</p> <p>SPEED LIMIT 35</p> <p>ONE "U" POST</p>	<p>414 QUANTITY REQ'D <u>8</u></p>  <p>24 X 8 S4-3</p> <p>SCHOOL</p> <p>YELLOW/GREEN REFLECTIVE SHEETING</p> <p>MOUNT ABOVE SIGN 415 IN 2 INSTALLATION</p> <p>MOUNT BELOW SIGN 417 IN 6 INSTALLATIONS</p>	<p>419 QUANTITY REQ'D <u>12</u></p>  <p>36 X 36 R1-1</p> <p>STOP</p> <p>ONE "U" POST PER SIGN</p>	<p>424 QUANTITY REQ'D <u>3</u></p>  <p>48 X 48 X 48 R1-2</p> <p>YIELD</p> <p>TWO "U" POSTS PER SIGN</p>	<p>429 QUANTITY REQ'D <u>7</u></p>  <p>36 X 36 W14-2</p> <p>NO OUTLET</p> <p>ONE "U" POST PER SIGN</p>
<p>405 QUANTITY REQ'D <u>1</u></p>  <p>36 X 60 W13-7</p> <p>RAMP 25 M.P.H.</p> <p>TWO "U" POSTS</p>	<p>410 QUANTITY REQ'D <u>2</u></p>  <p>36 X 36 S4-5</p> <p>SCHOOL SPEED LIMIT 25</p> <p>YELLOW/GREEN REFLECTIVE SHEETING</p> <p>ONE "U" POST</p>	<p>415 QUANTITY REQ'D <u>2</u></p>  <p>30 X 36 R2-1</p> <p>SPEED LIMIT 25</p> <p>ONE "U" POST PER SIGN</p>	<p>420 QUANTITY REQ'D <u>2</u></p>  <p>48 X 48 W9-1R</p> <p>RIGHT LANE ENDS</p> <p>TWO "U" POSTS PER SIGN</p>	<p>425 QUANTITY REQ'D <u>12</u></p>  <p>42 X 30 R5-1a</p> <p>WRONG WAY</p> <p>ONE "U" POST PER SIGN</p>	<p>430 QUANTITY REQ'D <u>2</u></p>  <p>36 X 48 R4-7</p> <p>ONE "U" POST PER SIGN</p>
					<p>431 QUANTITY REQ'D <u>8</u></p>  <p>54 X 18 R6-1 (R)</p> <p>ONE WAY</p> <p>TWO "U" POSTS PER SIGN</p>
					<p>432 QUANTITY REQ'D <u>4</u></p>  <p>48 X 60 R2-1</p> <p>SPEED LIMIT 65</p> <p>TWO "U" POSTS PER SIGN</p>
					<p>433 QUANTITY REQ'D <u>1</u></p>  <p>36 X 24 R2-27</p> <p>CITY WIDE SPEED LIMIT 35 UNLESS OTHERWISE POSTED</p> <p>MOUNT BELOW SIGN 305 IN 1 INSTALLATION</p>
					<p>434 QUANTITY REQ'D <u>9</u></p>  <p>36 X 36 W4-2R</p> <p>ONE "U" POST</p>

TYPE "E" SIGNS

PROJECT REFERENCE NO. U-2579AB	SHEET NO. SIGN-3A
<p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>	
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435 QUANTITY REQ'D 3

24 X 12
W16-7

YELLOW/GREEN REFLECTIVE SHEETING

MOUNT BELOW SIGN 427.
IN 3 INSTALLATIONS

440 QUANTITY REQ'D 16

36 X 48
W1-8L

INSTALL ON TWO "U" POSTS PER SIGN SPACED APPROX 24 INCHES APART ON SUPPORT CENTERS

INSTALL 28 INCH HORIZONTAL CROSS BRACING LEAVING A 4 INCH MARGIN FROM LEFT AND RIGHT EDGES OF SIGN

INSTALLATION HEIGHT: BOTTOM OF SIGN SHALL BE 4 FEET ABOVE THE EDGE OF TRAVEL LANE ELEVATION (RIGHT EDGE LINE OF RAMP)

ALL OTHER PORTIONS OF ROADWAY STANDARD DRAWING 904.50 APPLY

501

1-36" X 18"

1-36" X 36"

ONE "U" POST

436 QUANTITY REQ'D 3

30 X 30
W2-6

ONE "U" POST PER SIGN

441 QUANTITY REQ'D 2

48 X 48
W19-10Rd

TWO "U" POSTS PER SIGN

502 **503**

1-36" X 18"

1-36" X 36"

ONE "U" POST PER SIGN

437 QUANTITY REQ'D 3

36 X 36
W3-2A

ONE "U" POST PER SIGN

442 QUANTITY REQ'D 3

30 X 24
R6-4

ONE "U" POST PER SIGN

504 **505**

1-36" X 18"

1-36" X 36"

ONE "U" POST PER SIGN

438 QUANTITY REQ'D 7

36 X 36 X 36
R1-2

ONE "U" POST PER SIGN

506 **507**

1-21" X 15"

1-24" X 24"

ONE "U" POST PER SIGN

439 QUANTITY REQ'D 3

18X6
R1-4

MOUNT BELOW SIGN 419
IN 3 INSTALLATIONS

TYPE "E" & "F" SIGNS

QUANTITY REQ'D 1

BORDER
R=1.5"
TH=0.5"

ONE "U" POST PER SIGN

QUANTITY REQ'D 1

BORDER
R=1.5"
TH=0.5"

ONE "U" POST PER SIGN

QUANTITY REQ'D 1

BORDER
R=1.5"
TH=0.5"

ONE "U" POST PER SIGN

QUANTITY REQ'D 1

BORDER
R=1.5"
TH=0.5"

ONE "U" POST PER SIGN

QUANTITY REQ'D 1

ONE "U" POST PER SIGN

QUANTITY REQ'D 1

ONE "U" POST PER SIGN

PROJECT REFERENCE NO. U-2579AB	SHEET NO. SIGN-3B
<p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>	
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QUANTITY REQ'D 1

ONE "U" POST PER SIGN

QUANTITY REQ'D 1

ONE "U" POST PER SIGN

QUANTITY REQ'D 1

ONE "U" POST PER SIGN

QUANTITY REQ'D 1

ONE "U" POST PER SIGN

QUANTITY REQ'D 2

ONE "U" POST PER SIGN

QUANTITY REQ'D 2

ONE "U" POST PER SIGN

Milemarkers

SIGN NUMBER: 1A, 13A & 15A BACKG COLOR: Green
 TYPE: B COPY COLOR: White
 QUANTITY: 3

SYMBOL	X	Y	WID	HT

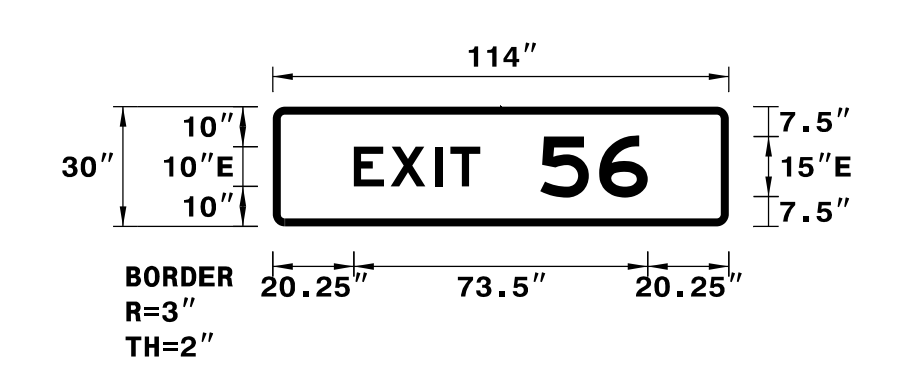
SIGN WIDTH: 9'-6"
 HEIGHT: 2'-6"
 TOTAL AREA: 23.8 Sq.Ft.

BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 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 Oct 16, 2020
 PROJECT ID: U-2579AB 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	
	E	X	I	T							Text Length	
20.3	9.2	11.1	3.8	7.5	62.1							E 2000
	5	6									31.6	
66.9	14.7	12.2	20.3								E 2000	
											26.9	

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

SIGN NUMBER: 2A, 16A, 18A & 23A BACKG COLOR: Green
 TYPE: B COPY COLOR: White
 QUANTITY: 4

SYMBOL	X	Y	WID	HT

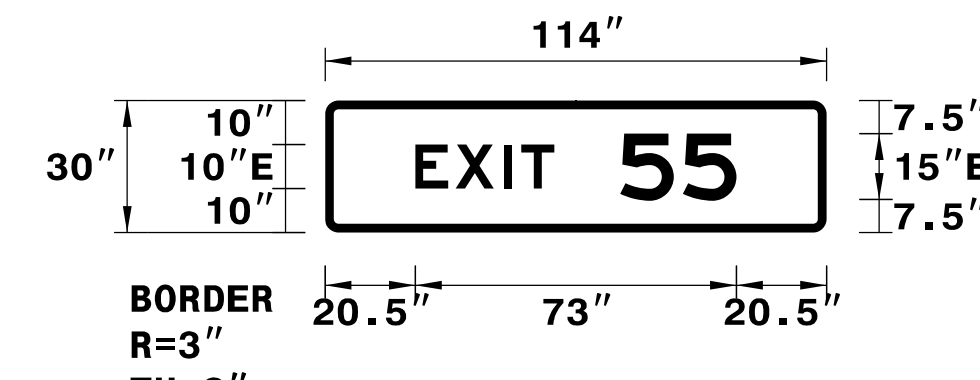
SIGN WIDTH: 9'-6"
 HEIGHT: 2'-6"
 TOTAL AREA: 23.8 Sq.Ft.

BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 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 Sep 10, 2020
 PROJECT ID: U-2579AB 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	
	E	X	I	T							Text Length	
20.5	9.2	11.1	3.8	7.5	61.9							E 2000
	5	5									31.6	
67.1	14.3	12.2	20.5								E 2000	
											26.4	

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

SIGN NUMBER: 3A,17A & 59A BACKG COLOR: Green
 TYPE: A COPY COLOR: White
 QUANTITY: 3

SYMBOL	X	Y	WID	HT

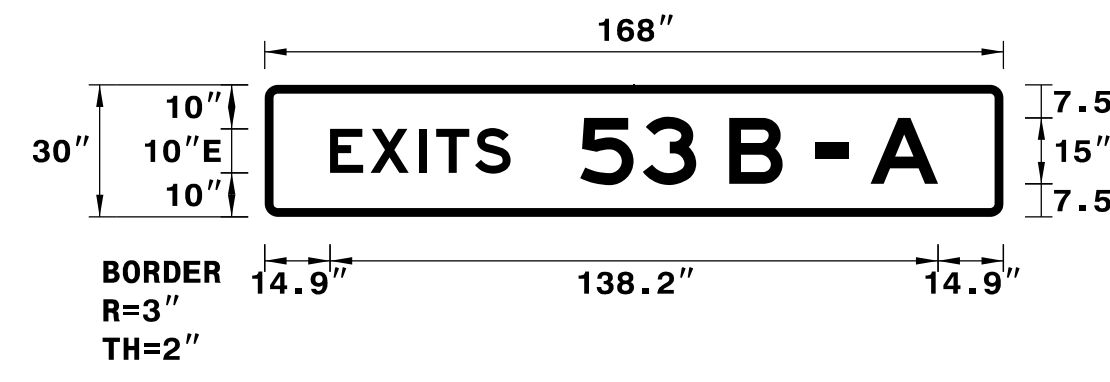
SIGN WIDTH: 14'-0"
 HEIGHT: 2'-6"
 TOTAL AREA: 35.0 Sq.Ft.

BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 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 16, 2020
 PROJECT ID: U-2579AB 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
	E	X	I	T	S								Text Length
14.9	9.2	11.1	3.8	8.8	8.1	112.1							E 2000
	5	3	B	-	A							41.1	
71.7	14.2	12.2	7.5	12.2	7.5	7.5	5	15.3	14.9			E 2000	
											81.4		

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

SIGN NUMBER: 24A, 27A & 31A BACKG COLOR: Green
 TYPE: B COPY COLOR: White
 QUANTITY: 3

SYMBOL	X	Y	WID	HT

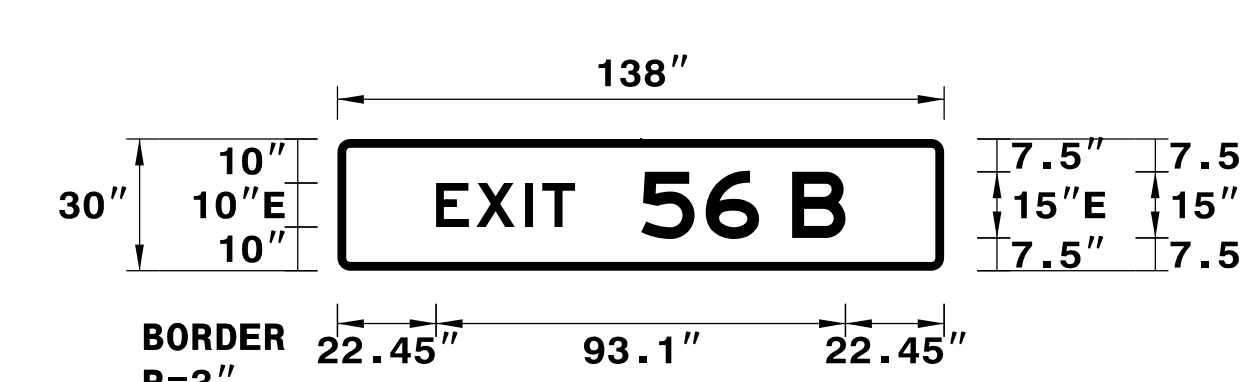
SIGN WIDTH: 11'-6"
 HEIGHT: 2'-6"
 TOTAL AREA: 28.8 Sq.Ft.

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

NO. Z BARS: 2
 LENGTH: 130.0

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON CHECKED BY: R KING Sep 10, 2020
 PROJECT ID: U-2579AB 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

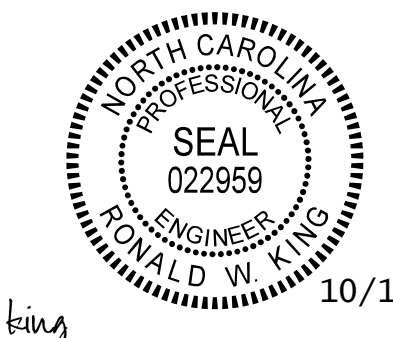
Letter spacings are to start of next letter											Series/Size	
	E	X	I	T							Text Length	
22.4	9.2	11.1	3.8	7.5	83.9							E 2000
	5	6	B								31.6	
69.1	14.7	12.2	7.5	12.1	22.4						E 2000	
											46.5	

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

10/13/2021

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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



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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

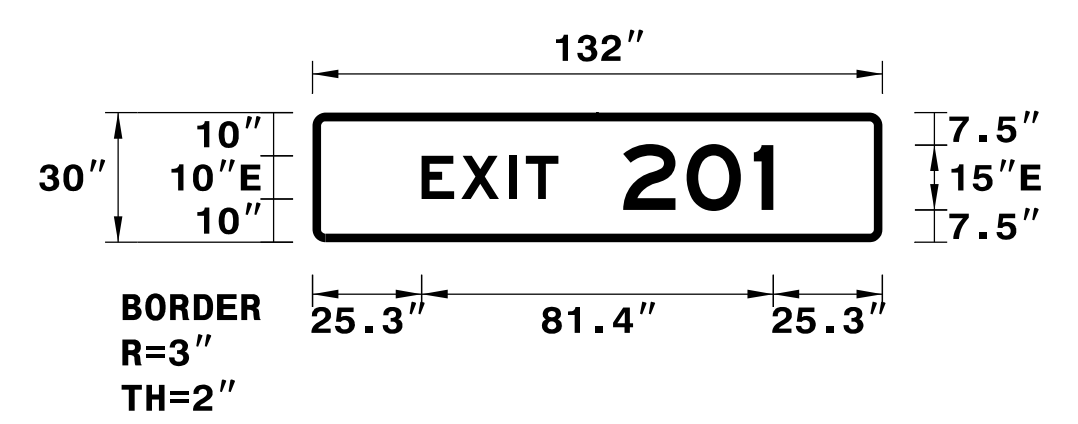
SIGN NUMBER: 21A, 38A, 42A, 47A, & 52A
TYPE: B
QUANTITY: 5
SIGN WIDTH: 11'-0"
HEIGHT: 2'-6"
TOTAL AREA: 27.5 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 3"
NO. Z BARS: 2
LENGTH: 124.0

BACKG COLOR: Green
COPY COLOR: White
SYMBOL

SYMBOL	X	Y	WID	HT

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON
PROJECT ID: U-2579AB
CHECKED BY: R KING
Sep 10, 2020
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.

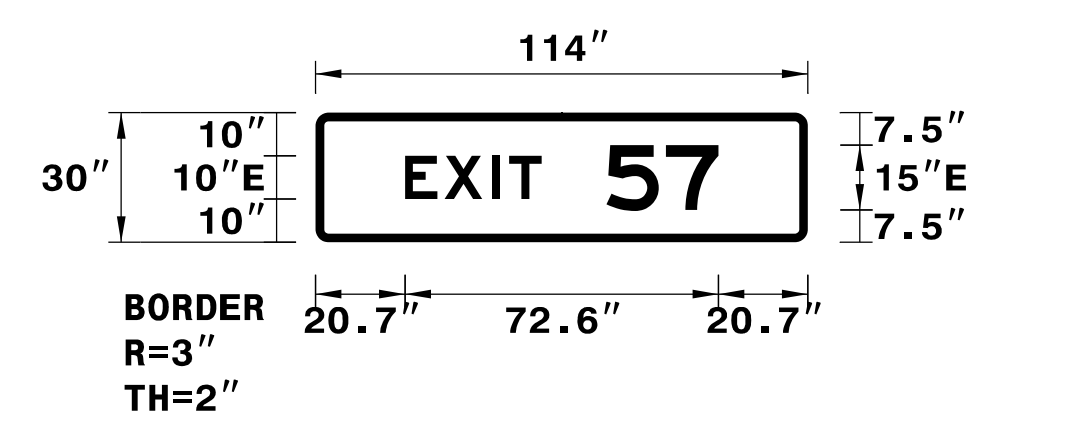
SIGN NUMBER: 30A
TYPE: B
QUANTITY: 1
SIGN WIDTH: 9'-6"
HEIGHT: 2'-6"
TOTAL AREA: 23.8 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 3"
NO. Z BARS: 2
LENGTH: 106.0

BACKG COLOR: Green
COPY COLOR: White
SYMBOL

SYMBOL	X	Y	WID	HT

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON
PROJECT ID: U-2579AB
CHECKED BY: R KING
Sep 10, 2020
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.

LETTER POSITIONS

Letter spacings are to start of next letter

	E	X	I	T						Series/Size Text Length
	25.3	9.2	11.1	3.8	7.5	75.1				E 2000 31.6
		2	0	1						E 2000 34.8
	71.9	14.7	15.6	4.5	25.3					

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

LETTER POSITIONS

Letter spacings are to start of next letter

	E	X	I	T						Series/Size Text Length
	20.7	9.2	11.1	3.8	7.5	61.7				E 2000 31.6
		5	7							E 2000 26
	67.3	13.8	12.2	20.7						

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

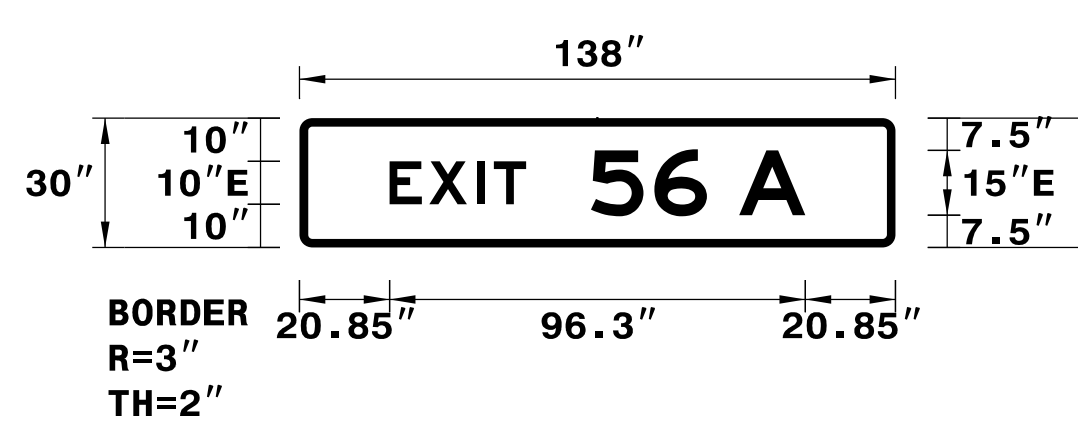
SIGN NUMBER: 28A & 32A
TYPE: B
QUANTITY: 2
SIGN WIDTH: 11'-6"
HEIGHT: 2'-6"
TOTAL AREA: 28.8 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 3"
NO. Z BARS: 2
LENGTH: 130.0

BACKG COLOR: Green
COPY COLOR: White
SYMBOL

SYMBOL	X	Y	WID	HT

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON
PROJECT ID: U-2579AB
CHECKED BY: R KING
Sep 10, 2020
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.

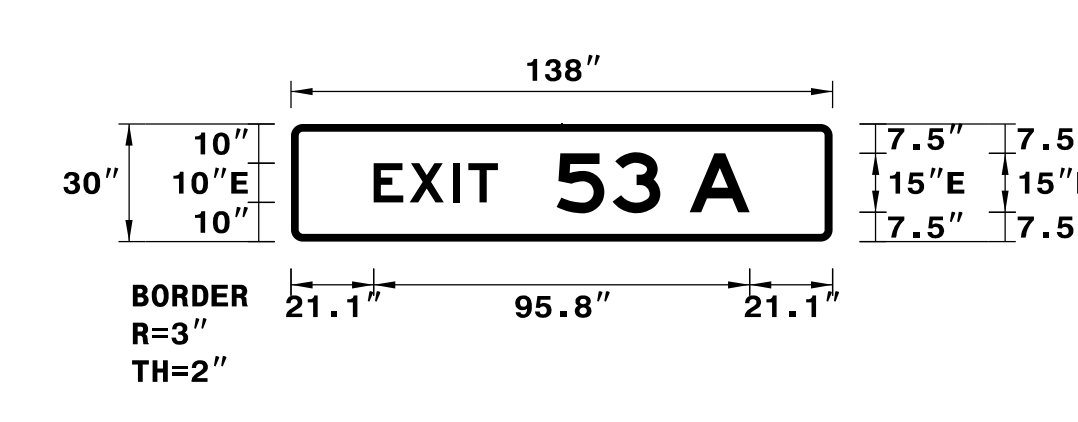
SIGN NUMBER: 60A
TYPE: B
QUANTITY: 1
SIGN WIDTH: 11'-6"
HEIGHT: 2'-6"
TOTAL AREA: 28.8 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 3"
NO. Z BARS: 2
LENGTH: 130.0

BACKG COLOR: Green
COPY COLOR: White
SYMBOL

SYMBOL	X	Y	WID	HT

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON
PROJECT ID: U-2579AB
CHECKED BY: R KING
Nov 17, 2020
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.

LETTER POSITIONS

Letter spacings are to start of next letter

	E	X	I	T						Series/Size Text Length
	20.9	9.2	11.1	3.8	7.5	85.5				E 2000 31.6
		5	6		A					E 2000 49.7
	67.5	14.7	12.2	7.5	15.3	20.9				

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

LETTER POSITIONS

Letter spacings are to start of next letter

	E	X	I	T						Series/Size Text Length
	21.1	9.2	11.1	3.8	7.5	85.3				E 2000 31.6
		5	3		A					E 2000 49.2
	67.7	14.3	12.2	7.5	15.3	21.1				

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

SIGN NUMBER: 54A **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"

NO. Z BARS: 2
LENGTH: 124.0

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON **CHECKED BY:** R KING **Sep 10, 2020**
PROJECT ID: U-2579AB **DIV:** 9

BORDER R=3" TH=2"

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	
25.5	9.2	11.1	3.8	7.5	74.9		31.6	
1	9	6					E 2000	
72.1	7.5	14.7	12.2	25.5			34.4	

FILENAME: SignDesigns **NORTH CAROLINA D.O.T. SIGN DETAIL**

SIGN NUMBER: 61A **BACKG COLOR:** Green
TYPE: B **COPY COLOR:** White
QUANTITY: 1

SYMBOL	X	Y	WID	HT

SIGN WIDTH: 11'-6"
HEIGHT: 2'-6"
TOTAL AREA: 28.8 Sq.Ft.

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

NO. Z BARS: 2
LENGTH: 130.0

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON **CHECKED BY:** R KING **Nov 17, 2020**
PROJECT ID: U-2579AB **DIV:** 9

BORDER R=3" TH=2"

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	
26.3	9.2	11.1	3.8	7.5	80		31.6	
5	3	B					E 2000	
73	14.3	12.2	11.3	12.2	15.2		49.9	

FILENAME: SignDesigns **NORTH CAROLINA D.O.T. SIGN DETAIL**

SIGN NUMBER: 39A, 40A, 43A
TYPE: B **BACKG COLOR:** Green
QUANTITY: 5 **COPY COLOR:** White

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"

NO. Z BARS: 2
LENGTH: 124.0

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON **CHECKED BY:** R KING **Oct 16, 2020**
PROJECT ID: U-2579AB **DIV:** 9

BORDER R=3" TH=2"

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	
25.8	9.2	11.1	3.8	7.5	74.7		31.6	
1	9	8					E 2000	
72.4	7.5	14.3	12.2	25.8			33.9	

FILENAME: SignDesigns **NORTH CAROLINA D.O.T. SIGN DETAIL**

PROJECT REFERENCE NO.	SHEET NO.
U-2579AB	SIGN-4B

10/13/2021

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 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_1	69	96.9	36	36

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

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON **CHECKED BY:** R KING **Feb 05, 2020**
PROJECT ID: U-2579AB **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.

BORDER R=12" TH=2"

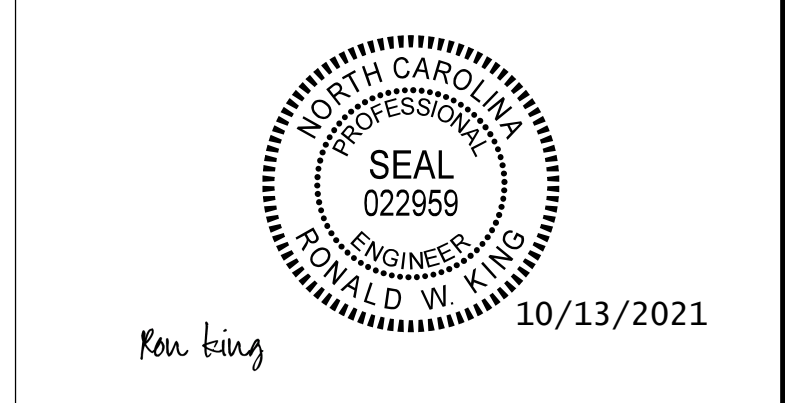
Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter													Series/Size	Text Length
	S	t	a	t	e	s	v	i	l	l	e		E 2000	
18	16.3	12	15.4	12	13.8	13.8	17	9.6	9.6	8.2	10.6	18	138.1	
	G	r	e	e	n	s	b	o	r	o			E 2000	
17.2	17.8	10.4	14.1	15.5	15.2	15.5	14.1	15.8	10.4	10.9	17.2		139.7	
	1		1/2		M	I	L	E	S				E 2000	
41.2	4.5	7.5	22	15	12	4.4	9.2	8.9	8.1	41.2			91.6	

FILENAME: SignDesigns **NORTH CAROLINA D.O.T. SIGN DETAIL**

SIGN DESIGNS



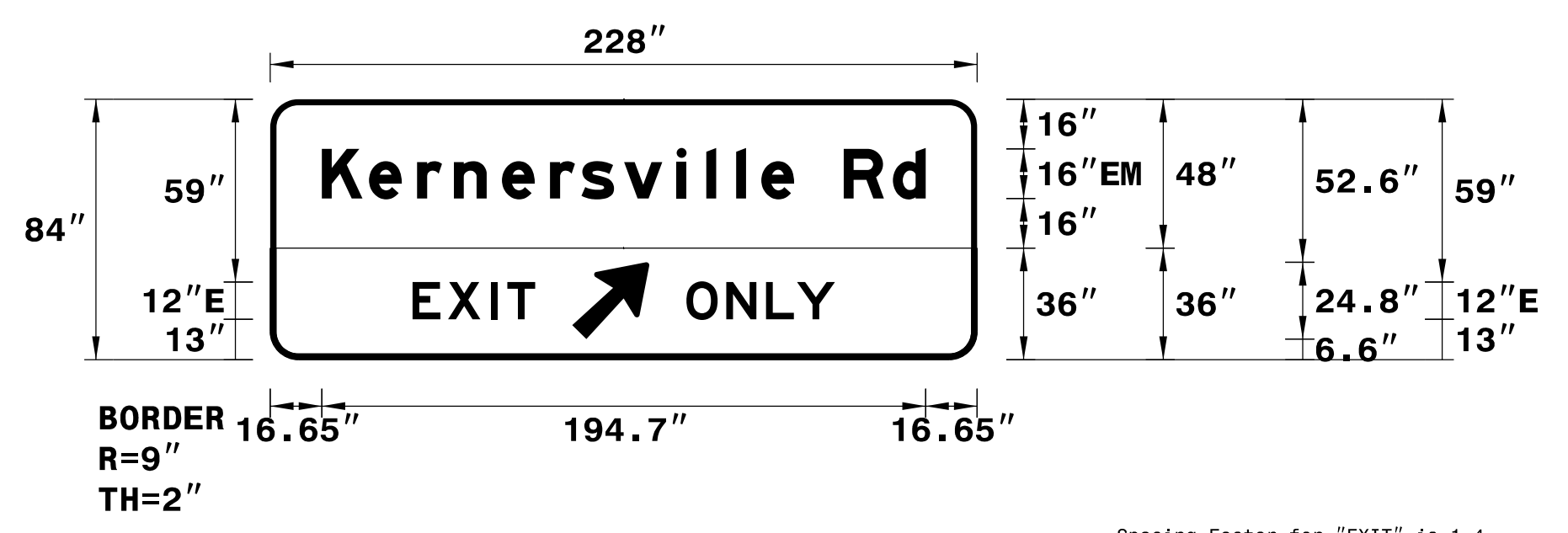
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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: 2B & 18B
TYPE: A
QUANTITY: 2
SIGN WIDTH: 19'-0"
HEIGHT: 7'-0"
TOTAL AREA: 133.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 9"
NO. Z BARS: 2
LENGTH: 220.0

SYMBOL	X	Y	WID	HT
AR_Type A	97.4	6.6	20	31.5

DESIGN BY: R DRAYTON
CHECKED BY: R KING
PROJECT ID: U-2579AB
Oct 13, 2020
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"

Spacing Factor for "EXIT" is 1.4
Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

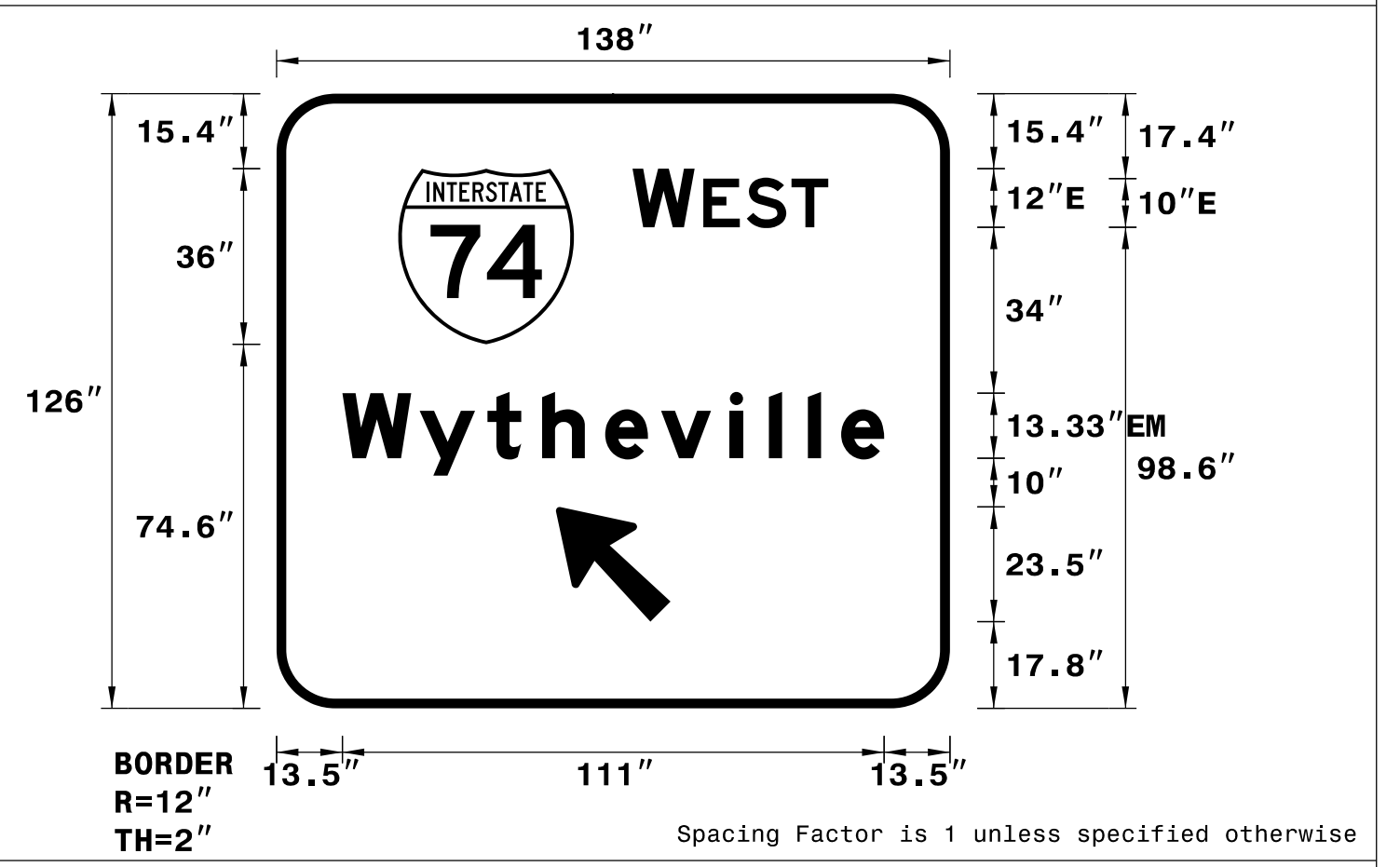
Series/Size	Text Length
EM 2000	194.7
E 2000	39.5
E 2000	47.9

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

SIGN NUMBER: 6
TYPE: A
QUANTITY: 1
SIGN WIDTH: 11'-6"
HEIGHT: 10'-6"
TOTAL AREA: 120.8 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 12"
NO. Z BARS: 3
LENGTH: 130.0

SYMBOL	X	Y	WID	HT
M1_1	24.9	74.6	36	36
AR_Type A	57.2	17.8	18.2	30

DESIGN BY: R DRAYTON
CHECKED BY: R KING
PROJECT ID: U-2579AB
May 24, 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

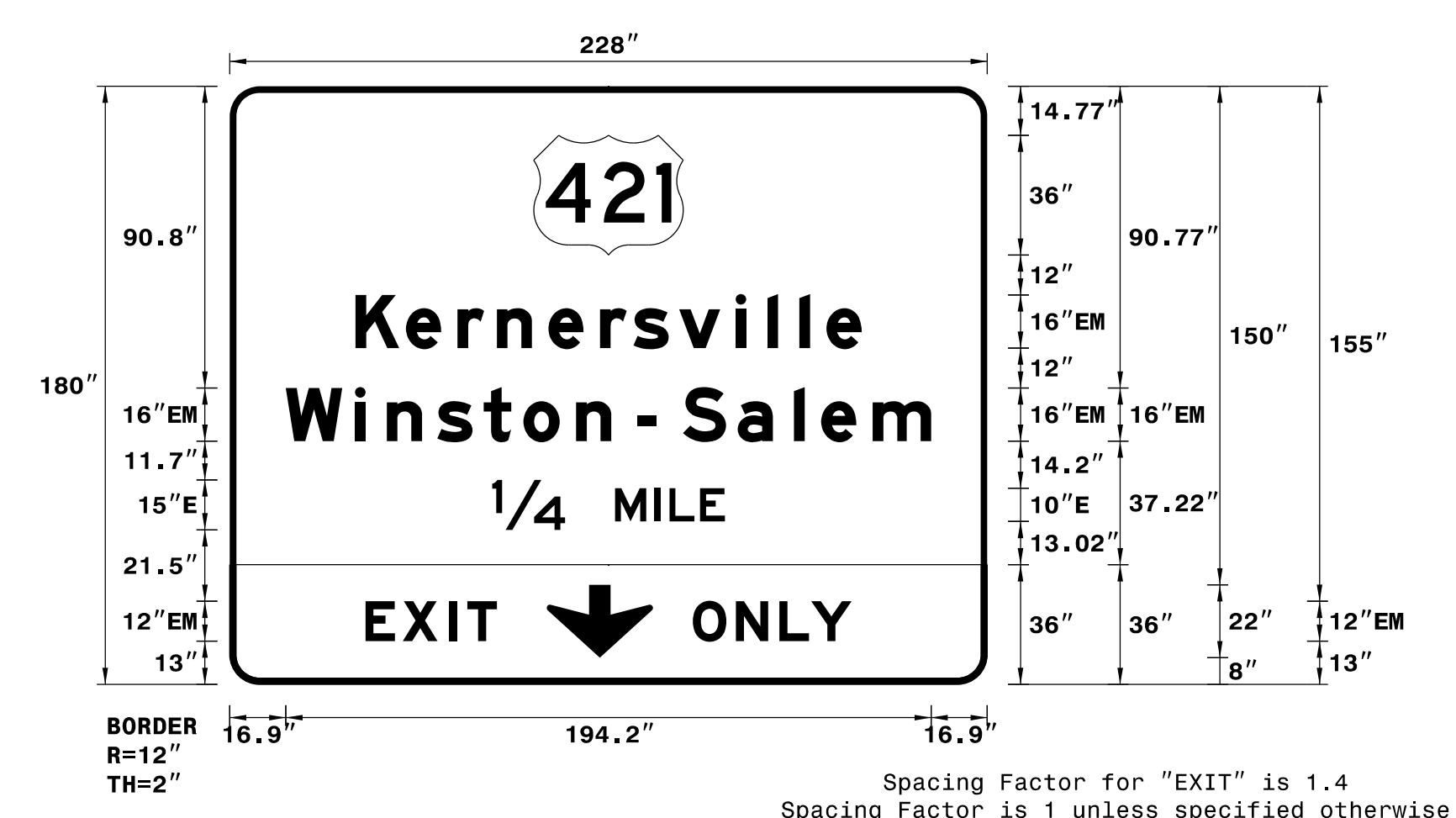
Series/Size	Text Length
E 2000	40.1
EM 2000	111

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

SIGN NUMBER: 3B
TYPE: A
QUANTITY: 1
SIGN WIDTH: 19'-0"
HEIGHT: 15'-0"
TOTAL AREA: 285.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 12"
NO. Z BARS: 6
LENGTH: 220.0

SYMBOL	X	Y	WID	HT
M1_4	91.5	129.2	45	36
ARDOWN	95.4	8	32	22

DESIGN BY: R DRAYTON
CHECKED BY: R KING
PROJECT ID: U-2579AB
Feb 05, 2020
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 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	152.3
EM 2000	194.2
E 2000	70.1
EM 2000	39.5
EM 2000	47.8

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

SIGN DESIGNS

SIGN NUMBER: 7
 TYPE: A
 QUANTITY: 1
 SIGN WIDTH: 11'-6"
 HEIGHT: 9'-6"
 TOTAL AREA: 109.3 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 12"
 NO. Z BARS: 3
 LENGTH: 130.0

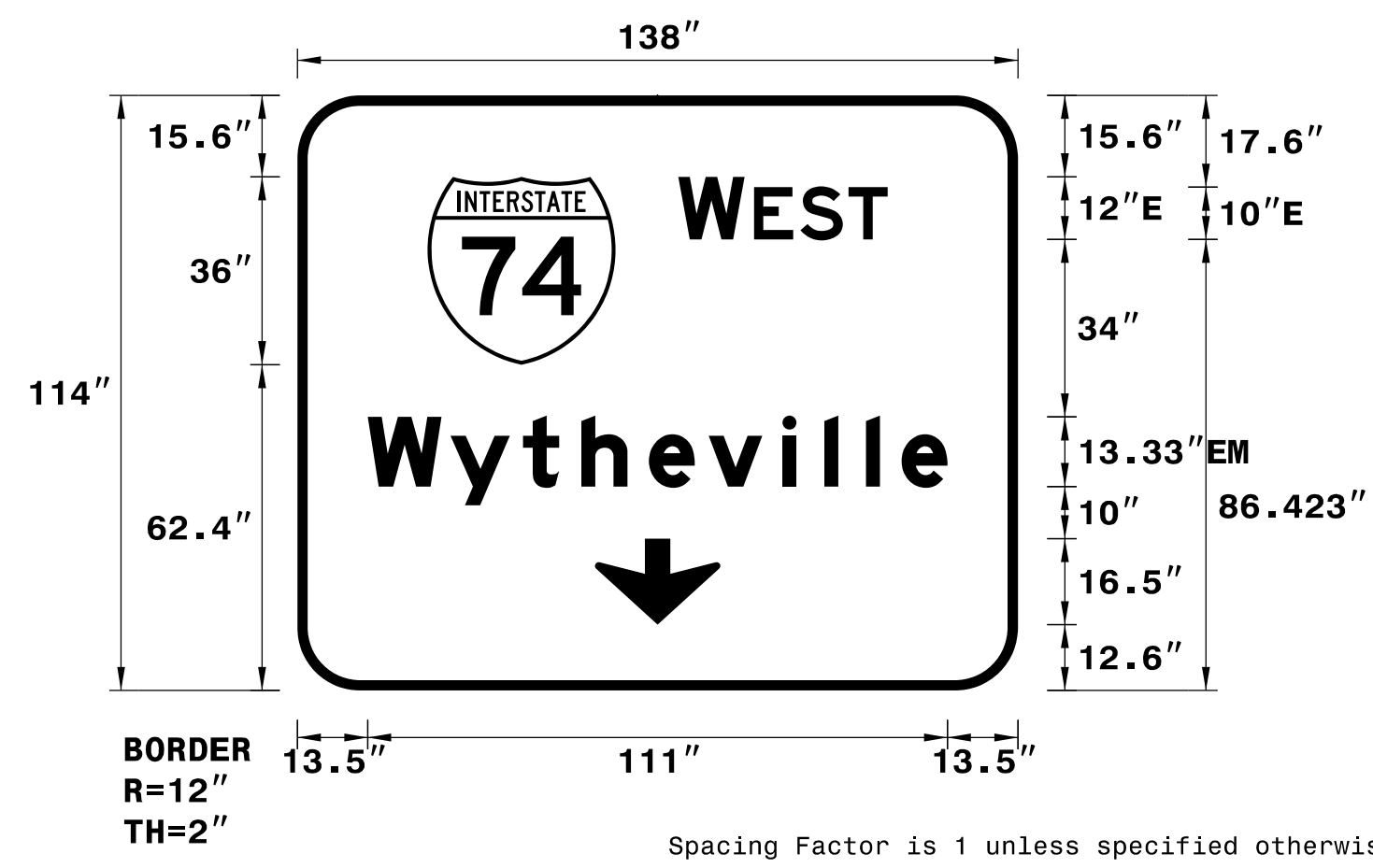
BACKG COLOR: Green
 COPY COLOR: White

SYMBOL	X	Y	WID	HT
M1_1	24.9	62.4	36	36
ARDOWN	57	12.6	24	16.5

MAT'L: 0.125" (3.2 mm) ALUMINUM

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

CHECKED BY: R KING
 May 24, 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

	W	E	S	T																Series/Size Text Length
	73	12.7	1.8	8.9	9.2	7.5	25													E 2000 40.1
		W	y	t	h	e	v	i	l	l	e									EM 2000 111
		13.5	15.9	13.9	11.2	12.9	11.5	14.1	8	8	6.8	8.8	13.5							

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

SIGN NUMBER: 8
 TYPE: A
 QUANTITY: 1
 SIGN WIDTH: 19'-6"
 HEIGHT: 7'-6"
 TOTAL AREA: 146.3 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 12"
 NO. Z BARS: 3
 LENGTH: 226.0

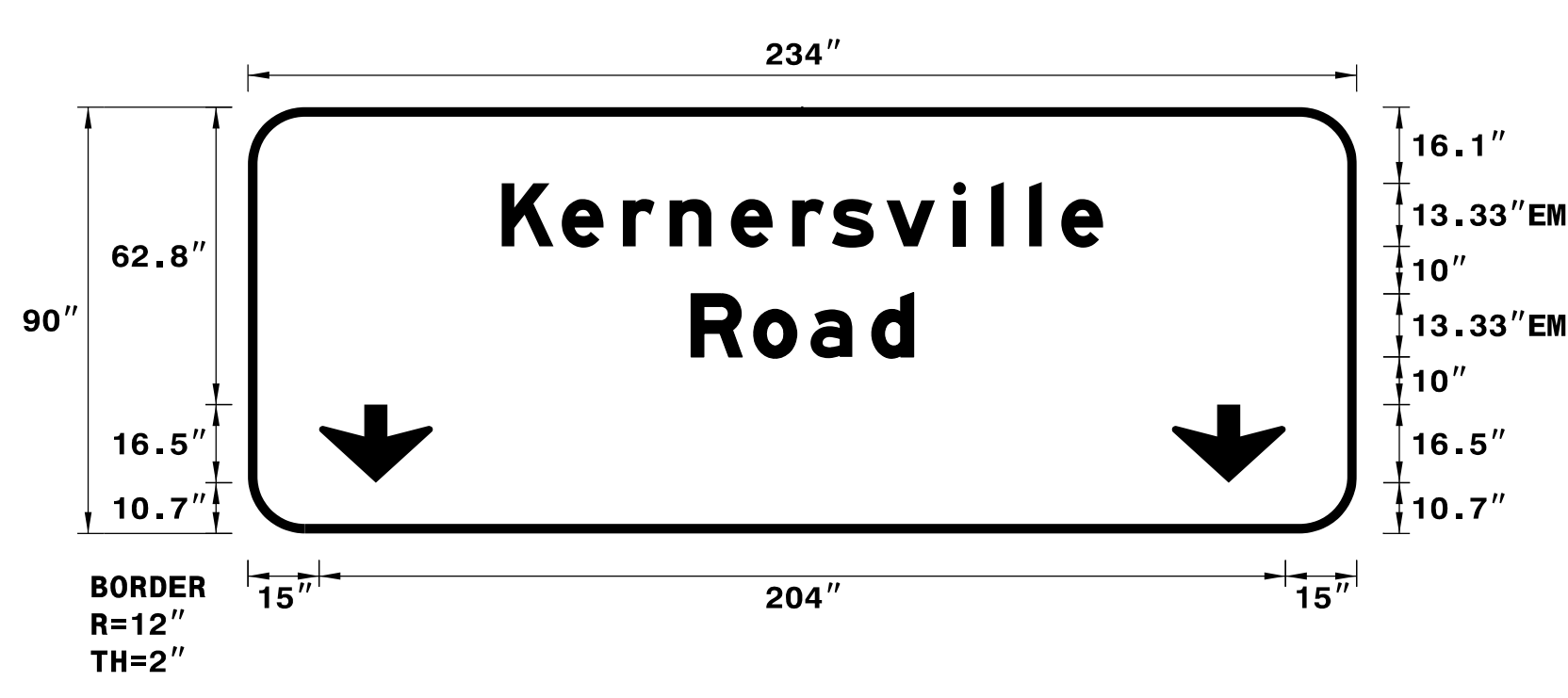
BACKG COLOR: Green
 COPY COLOR: White

SYMBOL	X	Y	WID	HT
ARDOWN	15	10.7	24	16.5
ARDOWN	195	10.7	24	16.5

MAT'L: 0.125" (3.2 mm) ALUMINUM

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

CHECKED BY: R KING
 May 24, 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

	K	e	r	n	e	r	s	v	i	l	l	e								Series/Size Text Length
	53.6	12.7	12.9	9.9	12.9	12.9	8.4	11.5	14.1	8	8	6.8	8.8	53.5						EM 2000 126.9
		R	o	a	d															EM 2000 46.9
		93.5	13.2	12	12.9	8.8	93.5													

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

SIGN NUMBER: 9
 TYPE: A
 QUANTITY: 1
 SIGN WIDTH: 15'-0"
 HEIGHT: 7'-6"
 TOTAL AREA: 112.5 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 12"
 NO. Z BARS: 3
 LENGTH: 172.0

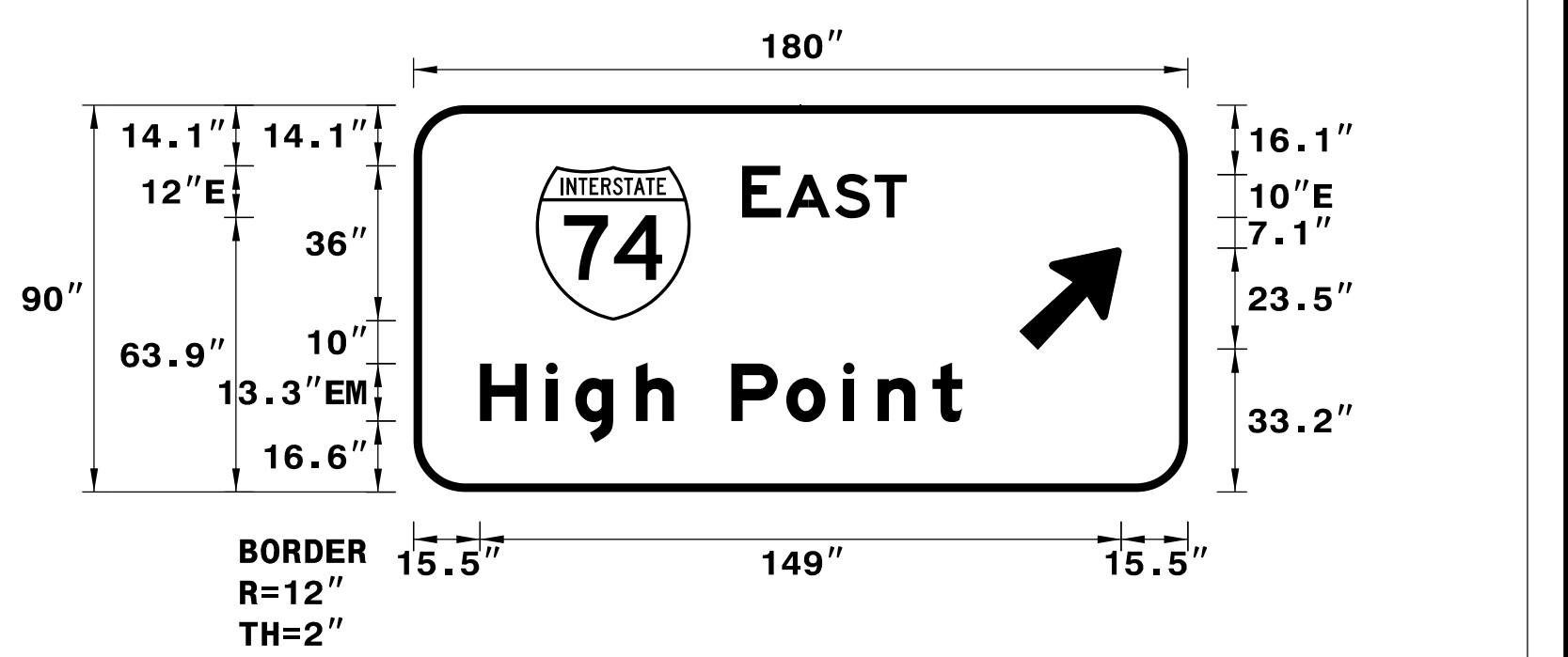
BACKG COLOR: Green
 COPY COLOR: White

SYMBOL	X	Y	WID	HT
M1_1	28.4	39.9	36	36
AR_Type A	141	33.2	18.2	30

MAT'L: 0.125" (3.2 mm) ALUMINUM

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

CHECKED BY: R KING
 Feb 05, 2020
 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.

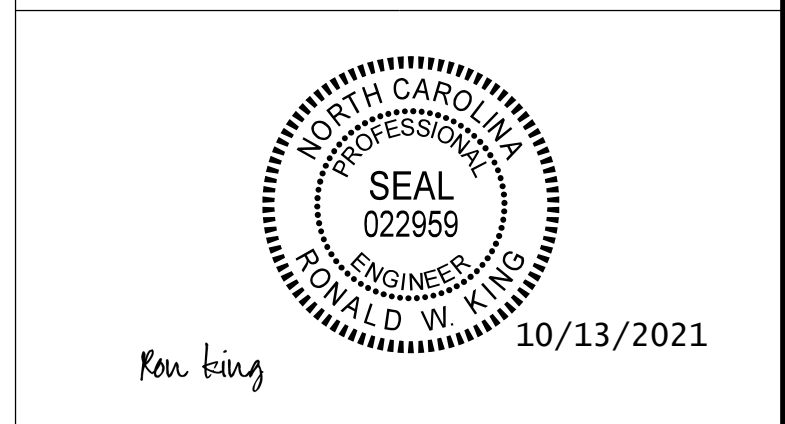
LETTER POSITIONS

Letter spacings are to start of next letter

	E	A	S	T																Series/Size Text Length
	76.4	9	1.2	11.3	9.2	7.5	65.3													E 2000 38.2
		H	i	g	h	P	o	i	n	t										EM 2000 112.1
		15.5	15.3	6.8	14.1	8.8	13.3	12.8	13.2	8	12.8	6.9	52.4							

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

SIGN DESIGNS



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555 Fayetteville St. Suite 900 Raleigh, N.C. 27601
N.C.B.E.L.S. License Number: F-0116

SIGN NUMBER: 10
TYPE: A
QUANTITY: 1

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
M1_1	25.9	74.6	36	36
AR_Type A	57.2	17.8	18.2	30

SIGN WIDTH: 11'-6"
HEIGHT: 10'-6"
TOTAL AREA: 120.8 Sq.Ft.

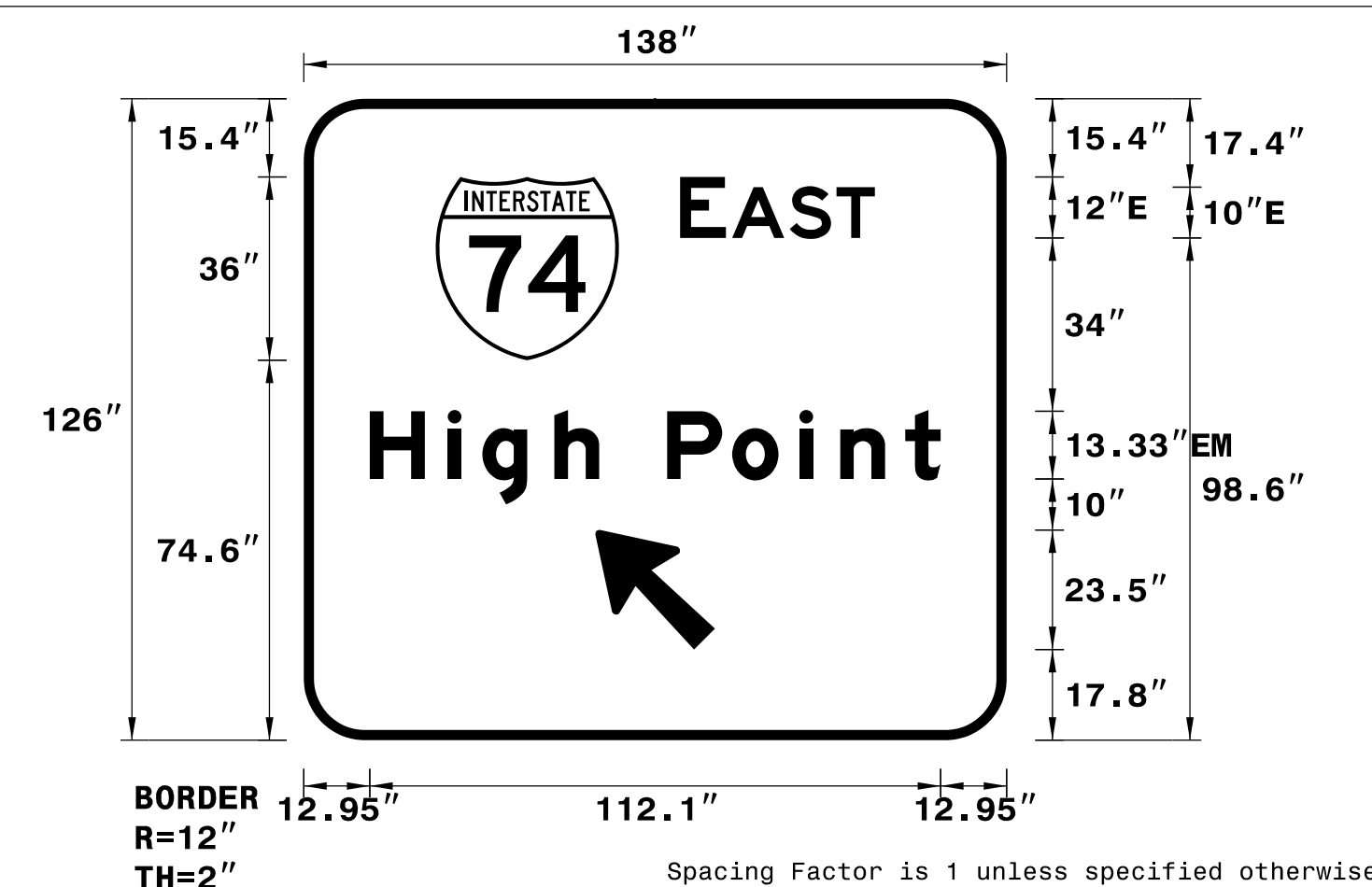
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 12"

NO. Z BARS: 3
LENGTH: 130.0

MAT'L: 0.125" (3.2 mm) ALUMINUM

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

CHECKED BY: R KING
May 24, 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

Letter	E	A	S	T											Series/Size			
	73.9	9	1.2	11.3	9.2	7.5	25.9											E 2000
											38.2							
	H	i	g	h	P	o	i	n	t						EM 2000			
	12.9	15.3	6.8	14.1	8.8	13.3	12.8	13.2	8	12.8	6.9	12.9						112.1

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

SIGN NUMBER: 13B
TYPE: A
QUANTITY: 1

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
M1_1	84	153	48	48
ARDOWN	89.4	8.5	32	22

SIGN WIDTH: 18'-0"
HEIGHT: 18'-6"
TOTAL AREA: 333.0 Sq.Ft.

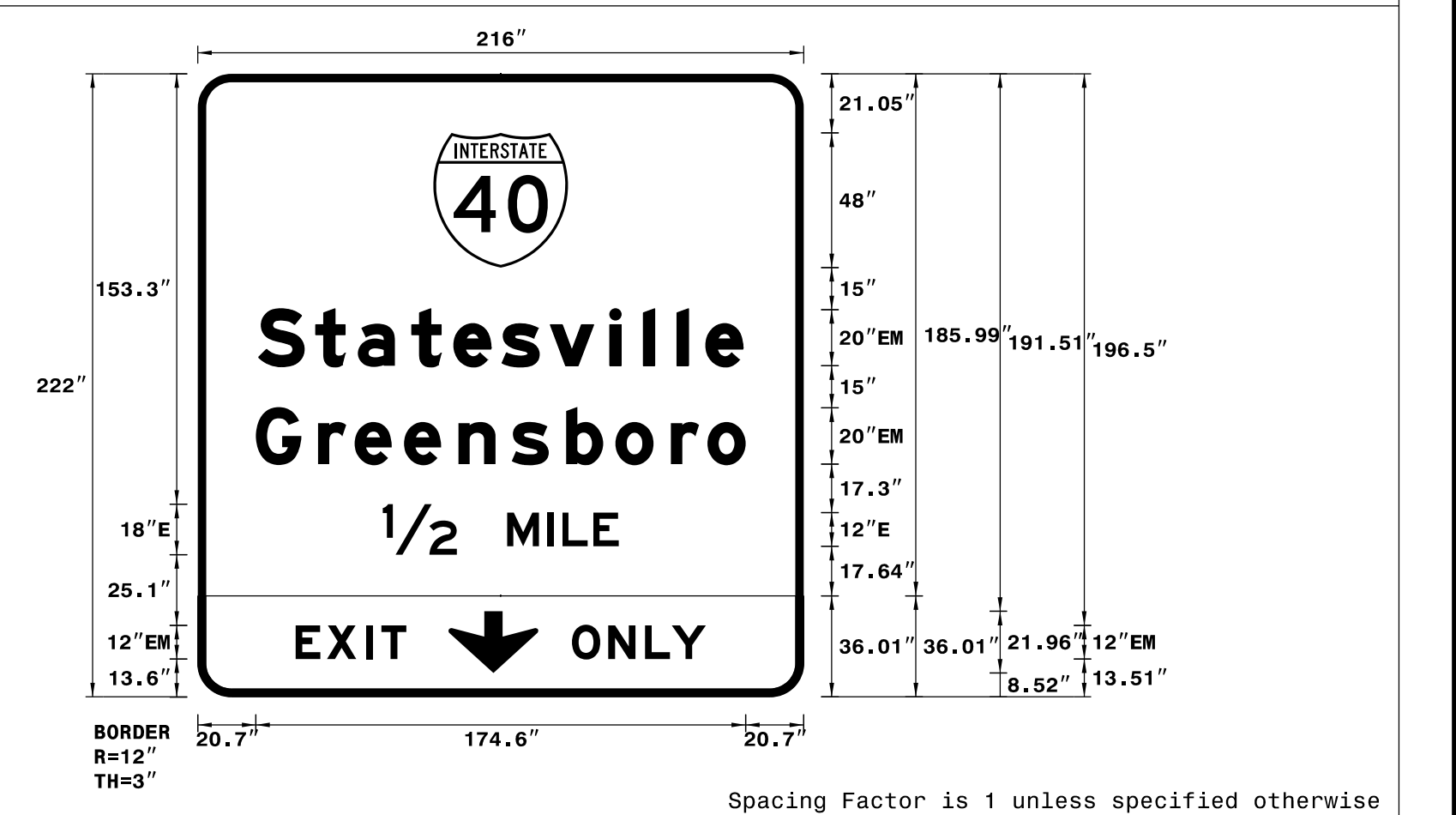
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 3"
RADII: 12"

NO. Z BARS: 6
LENGTH: 208.0

MAT'L: 0.125" (3.2 mm) ALUMINUM

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

CHECKED BY: R KING
Oct 18, 2020
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"

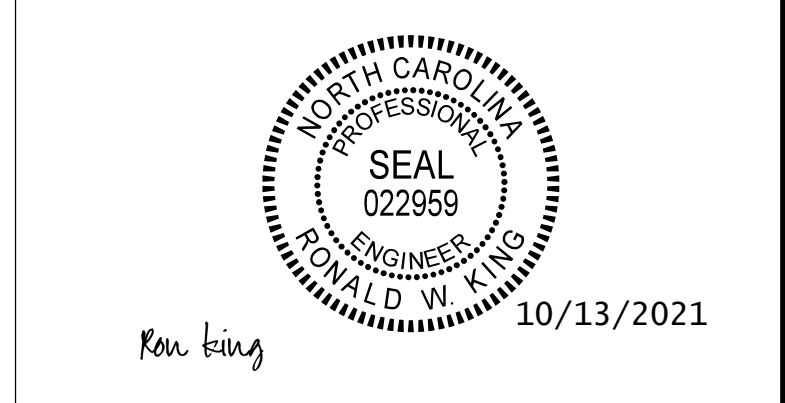
LETTER POSITIONS

Letter spacings are to start of next letter

Letter	S	t	a	t	e	s	v	i	l	l	e											Series/Size		
	21.7	20.4	15	19.2	15	17.2	17.2	21.2	12	12	10.2	13.2	21.7											EM 2000
													172.6											
	G	r	e	e	n	s	b	o	r	o											EM 2000			
	20.7	22.2	13	17.6	19.4	19	19.4	17.6	19.8	13	13.6	20.7											174.6	
													EM 2000											
	1/2	M	I	L	E											E 2000								
	66	26.4	18	14.4	5.3	11	9	66											84.1					
													EM 2000											
	E	X	I	T											EM 2000									
	34.9	11.2	14	5.4	8.9	141.6											39.5							
													EM 2000											
	O	N	L	Y											EM 2000									
	133.4	13	13.1	9.6	12.1	34.9											47.8							

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

SIGN DESIGNS



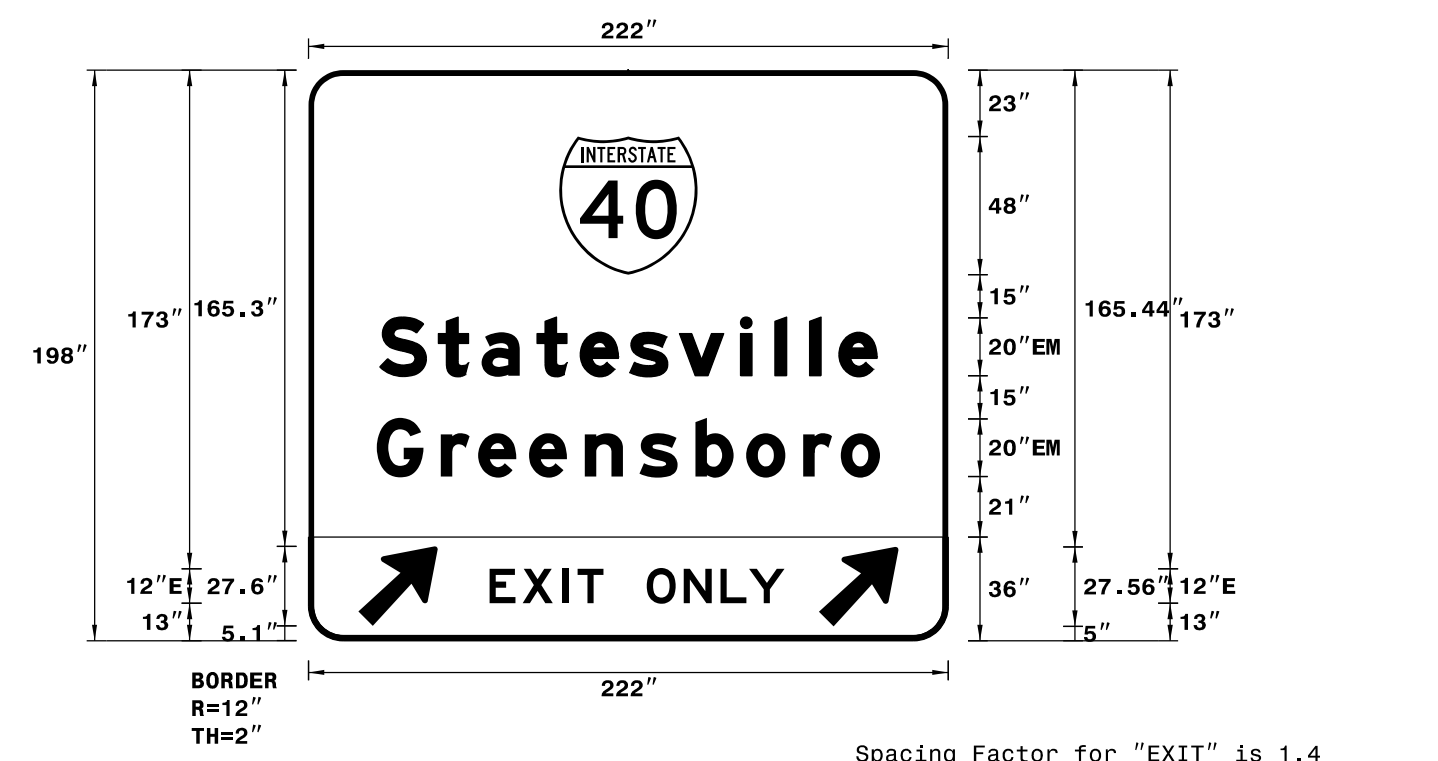
**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

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: 15B
TYPE: A
QUANTITY: 1
SIGN WIDTH: 18'-6"
HEIGHT: 16'-6"
TOTAL AREA: 305.3 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADI: 12"
NO. Z BARS: 6
LENGTH: 214.0

SYMBOL	X	Y	WID	HT
M1_1	87	127	48	48
AR_Type A	17.3	5.2	22.3	35
AR_Type A	177.2	5	22.3	35

DESIGN BY: R DRAYTON
CHECKED BY: R KING
Sep 22, 2020
PROJECT ID: U-2579AB
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"

LETTER POSITIONS

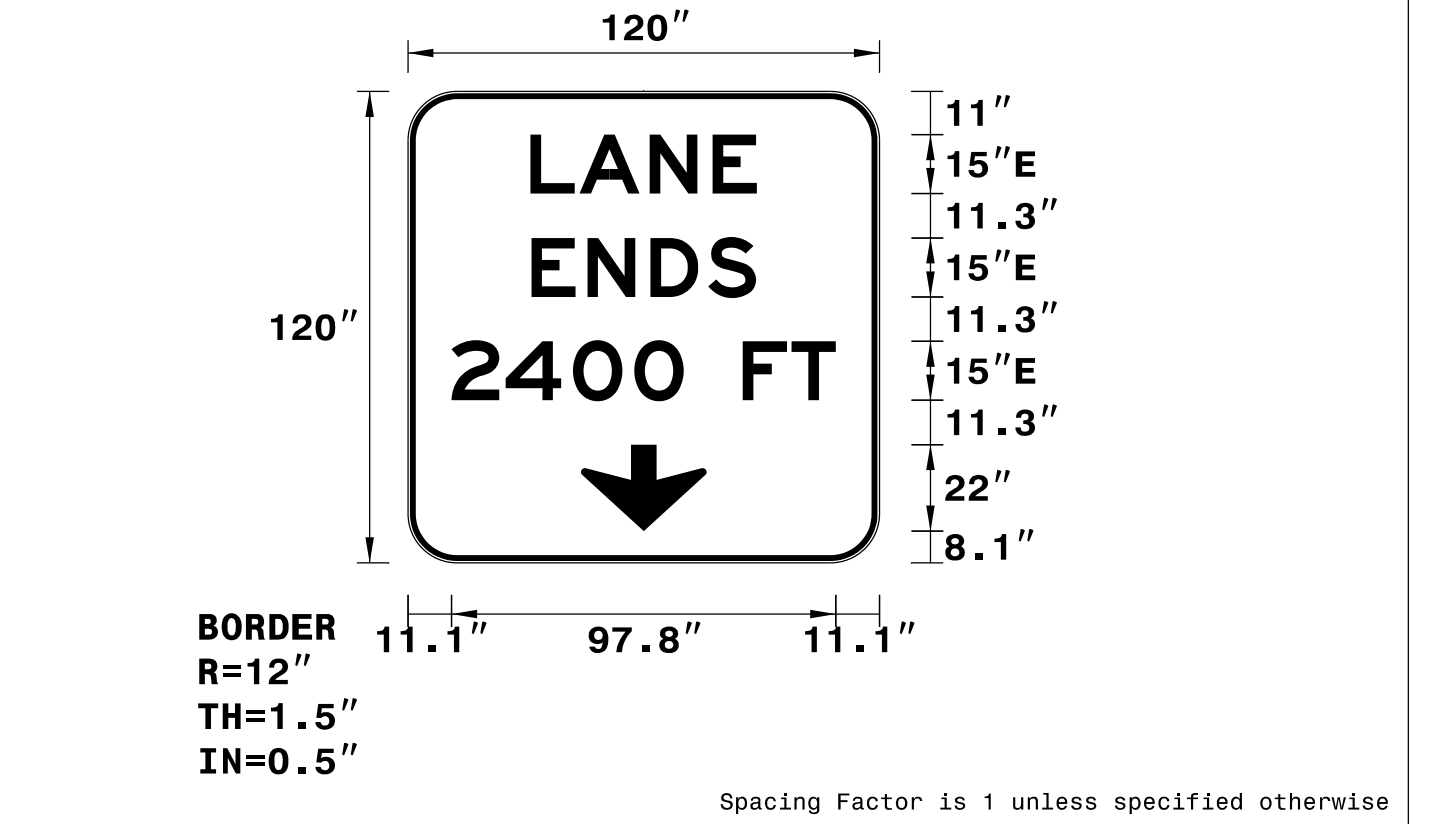
Letter spacings are to start of next letter													Series/Size
													Text Length
S	t	a	t	e	s	v	i	l	l	e			EM 2000
24.7	20.4	15	19.2	15	17.2	17.2	21.2	12	12	10.2	13.2	24.7	172.6
G	r	e	e	n	s	b	o	r	o				EM 2000
23.7	22.2	13	17.6	19.4	19	19.4	17.6	19.8	13	13.6	23.7	174.6	
E	X	I	T										E 2000
62.9	11.4	13.9	5.1	9	119.6								39.5
O	N	L	Y										E 2000
117.4	12.8	12.8	9.9	12.2	56.8								47.8

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

SIGN NUMBER: 14 & 25
TYPE: A
QUANTITY: 2
SIGN WIDTH: 10'-0"
HEIGHT: 10'-0"
TOTAL AREA: 100.0 Sq.Ft.
BORDER TYPE: RECESSED
RECESS: 0.5"
WIDTH: 1.5"
RADI: 12"
NO. Z BARS: 3
LENGTH: 112.0

SYMBOL	X	Y	WID	HT
ARDOWN	44	8.1	32	22

DESIGN BY: R DRAYTON
CHECKED BY: R KING
Sep 21, 2020
PROJECT ID: U-2579AB
DIV: 9



- USE NOTES: 1 & 2
- Legend and border shall be direct applied black non-reflective sheeting.
 - Background shall be Grade C reflective sheeting.

LETTER POSITIONS

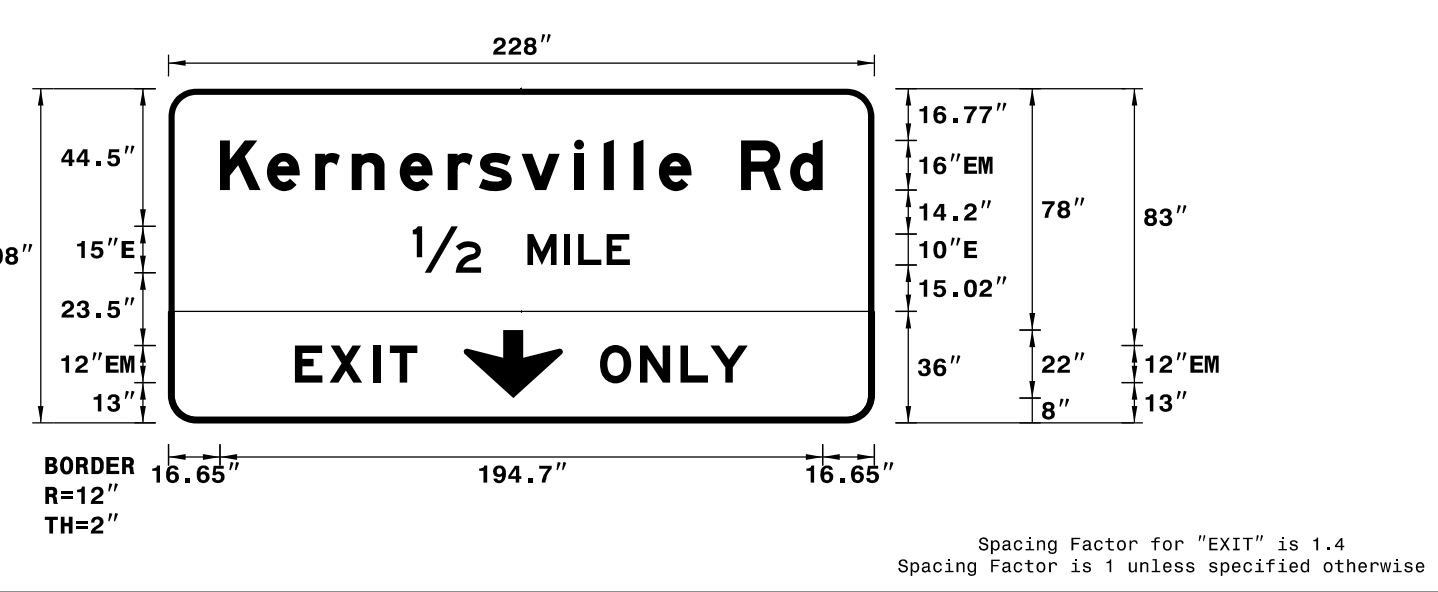
Letter spacings are to start of next letter													Series/Size
													Text Length
L	A	N	E										E 2000
31.2	12.4	17.9	16.1	11.3	31.2								57.6
E	N	D	S										E 2000
31.4	14.3	16	14.7	12.2	31.4								57.2
2	4	0	0	F	T								E 2000
11.1	13.8	17.1	15.6	12.6	15	12.5	11.3	11.1					97.8

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

SIGN NUMBER: 16B
TYPE: A
QUANTITY: 1
SIGN WIDTH: 19'-0"
HEIGHT: 9'-0"
TOTAL AREA: 171.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADI: 12"
NO. Z BARS: 3
LENGTH: 220.0

SYMBOL	X	Y	WID	HT
ARDOWN	95.4	8	32	22

DESIGN BY: R DRAYTON
CHECKED BY: R KING
Dec 02, 2019
PROJECT ID: U-2579AB
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 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	
K	e	r	n	e	r	s	v	i	l	l	e	R	d	EM 2000
16.6	15.2	15.5	11.8	15.5	15.5	10.1	13.8	17	9.6	9.6	8.2	10.6	16.6	194.7
1/2	M	I	L	E										E 2000
79	22	15	12	4.4	9.2	7.5	79							70.1
E	X	I	T											EM 2000
40.9	11.2	14	5.4	8.9	147.6									39.5
O	N	L	Y											EM 2000
139.4	13	13.1	9.6	12.1	40.9									47.8

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

SIGN NUMBER: 17B
TYPE: A
QUANTITY: 1
SIGN WIDTH: 19'-0"
HEIGHT: 12'-6"
TOTAL AREA: 237.5 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADI: 12"
NO. Z BARS: 4
LENGTH: 220.0

SYMBOL	X	Y	WID	HT
M1_4	91.5	97	45	36

DESIGN BY: R DRAYTON
CHECKED BY: R KING
Dec 02, 2019
PROJECT ID: U-2579AB
DIV: 9



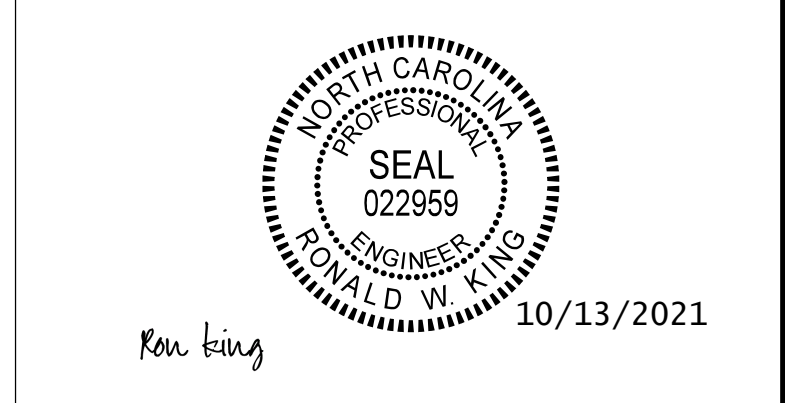
- USE NOTES: 1, 2 & 3
- Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
 - Background shall be Grade C reflective sheeting.
 - Shields: A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

LETTER POSITIONS

Letter spacings are to start of next letter													Series/Size				
													Text Length				
K	e	r	n	e	r	s	v	i	l	l	e			EM 2000			
37.8	15.2	15.5	11.8	15.5	15.5	10.1	13.8	17	9.6	9.6	8.2	10.6	37.8	152.3			
W	i	n	s	t	o	n	-	S	a	l	e	m		EM 2000			
16.9	20.8	9.6	15.2	13.9	12	15.8	10.6	8	5.6	8	16.5	17	8.2	15.5	17.6	16.9	194.2
1	1/2	M	I	L	E	S											E 2000
68.2	4.5	7.5	22	15	12	4.4	9.2	8.9	8.1	68.2							91.6

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

SIGN DESIGNS



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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: 18B TYPE: A QUANTITY: 1 SIGN WIDTH: 19'-0" HEIGHT: 6'-6" TOTAL AREA: 123.5 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 2" RADII: 9" NO. Z BARS: 2 LENGTH: 220.0	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-2579AB	CHECKED BY: R KING Dec 02, 2019 DIV: 9
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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 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	194.7
E 2000	39.5
E 2000	47.9

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

SIGN NUMBER: 20 TYPE: A QUANTITY: 1 SIGN WIDTH: 18'-0" HEIGHT: 8'-0" TOTAL AREA: 144.0 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 2" RADII: 12" NO. Z BARS: 3 LENGTH: 208.0	BACKG COLOR: Green COPY COLOR: White SYMBOL X Y WID HT M1_1 36.3 45.1 36 36 AR_Type A 171.2 34.2 22.3 35	DESIGN BY: R DRAYTON PROJECT ID: U-2579AB	CHECKED BY: R KING Feb 05, 2020 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.

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
E 2000	48.8
EM 2000	138.1

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

SIGN NUMBER: 19 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 53 84.8 36 36 AR_Type A 16.2 17.2 22.3 35 AR_Type A 160.2 17.2 22.3 35	DESIGN BY: R DRAYTON PROJECT ID: U-2579AB	CHECKED BY: R KING Oct 16, 2020 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.
- Bottom panel shall be yellow Grade C sheeting on background with black recessed border. THICKNESS: 1.5" RECESS: 0.5"

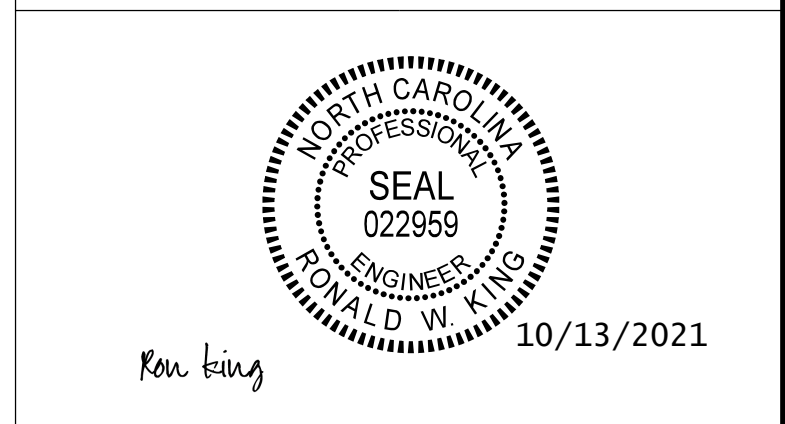
LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
E 2000	47.1
EM 2000	139.7

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

SIGN DESIGNS



**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

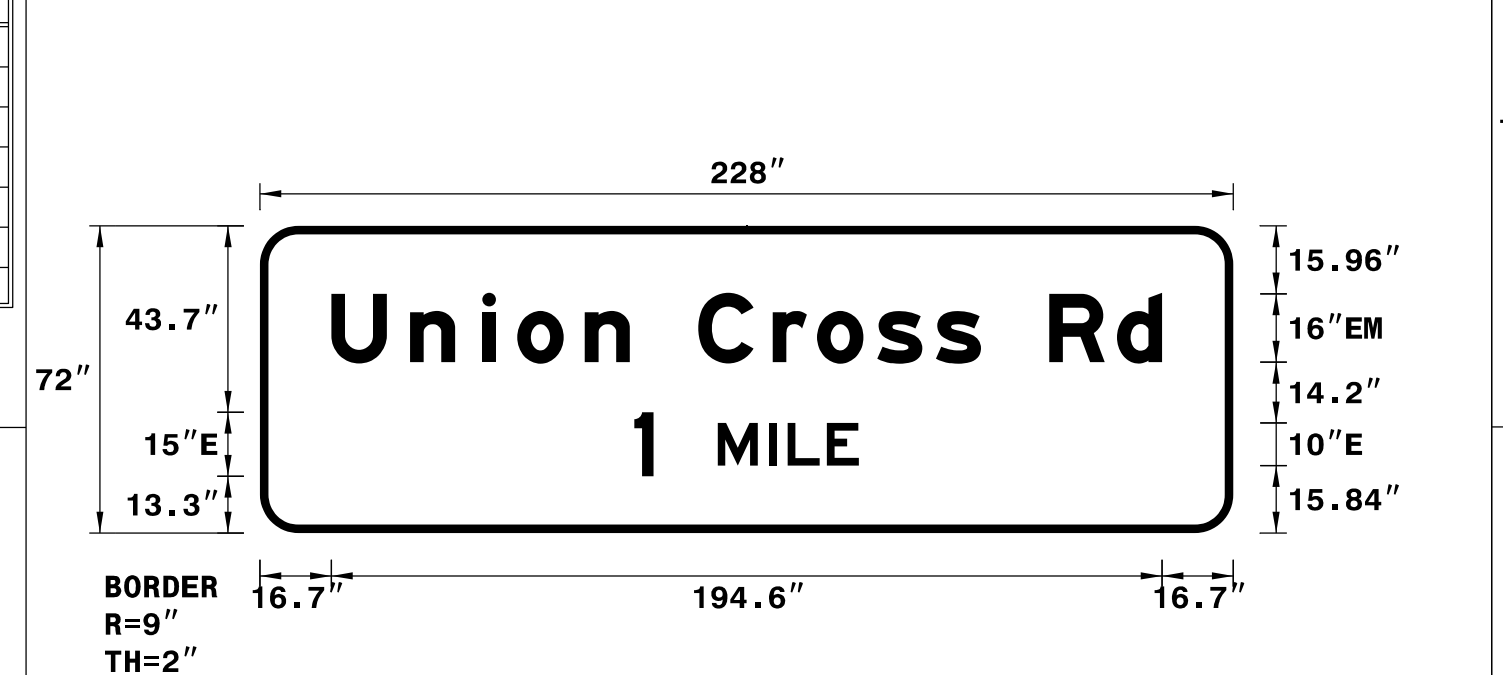
SIGN NUMBER: 218
TYPE: A
QUANTITY: 1
SIGN WIDTH: 19'-0"
HEIGHT: 6'-0"
TOTAL AREA: 114.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 9"
NO. Z BARS: 2
LENGTH: 220.0

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON
CHECKED BY: R KING
Dec 02, 2019
PROJECT ID: U-2579AB
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.

LETTER POSITIONS

Letter spacings are to start of next letter

U	n	i	o	n	C	r	o	s	s	R	d	Series/Size	Text Length
16.7	18.4	17	8.2	15.8	10.6	16	17.4	10.4	14.1	13.8	10.6	EM 2000	194.6
1	M	I	L	E								E 2000	52.6
87.7	4.5	15	12	4.4	9.2	7.5	87.7						

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

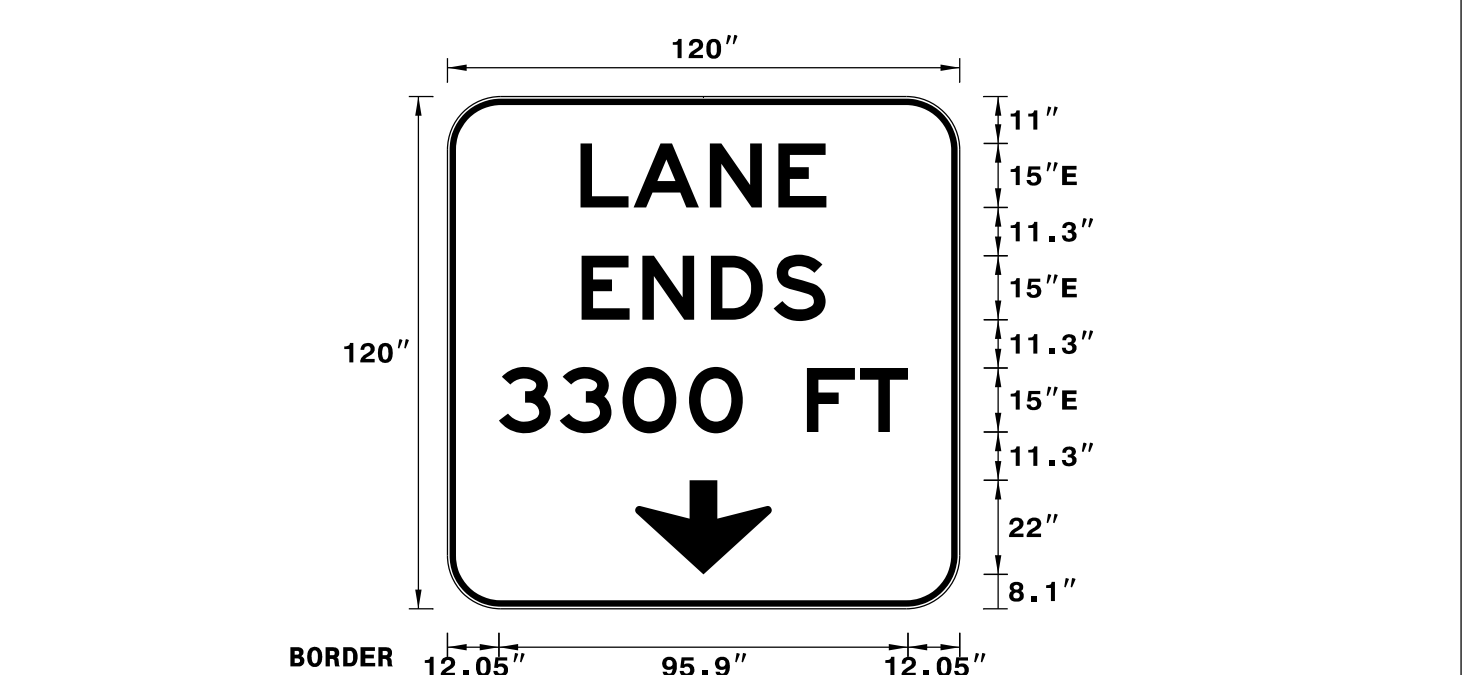
SIGN NUMBER: 22
TYPE: A
QUANTITY: 1
SIGN WIDTH: 10'-0"
HEIGHT: 10'-0"
TOTAL AREA: 100.0 Sq.Ft.
BORDER TYPE: RECESSED
RECESS: 0.5"
WIDTH: 1.5"
RADII: 12"
NO. Z BARS: 3
LENGTH: 112.0

BACKG COLOR: Yellow
COPY COLOR: Black

SYMBOL	X	Y	WID	HT
ARDOWN	44	8.1	32	22

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON
CHECKED BY: R KING
Oct 13, 2020
PROJECT ID: U-2579AB
DIV: 9



USE NOTES: 1 & 2
1. Legend and border shall be direct applied black non-reflective sheeting.
2. Background shall be Grade C reflective sheeting.

LETTER POSITIONS

Letter spacings are to start of next letter

L	A	N	E	Series/Size	Text Length								
31.2	12.4	17.9	16	11.3	31.2	E 2000	57.6						
E	N	D	S			E 2000	57.2						
31.4	14.3	16.1	14.7	12.2	31.4								
3	3	0	0	F	T	E 2000	95.9						
12.1	14.3	14.7	15.6	12.6	15	12.4	11.3	12.1					

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

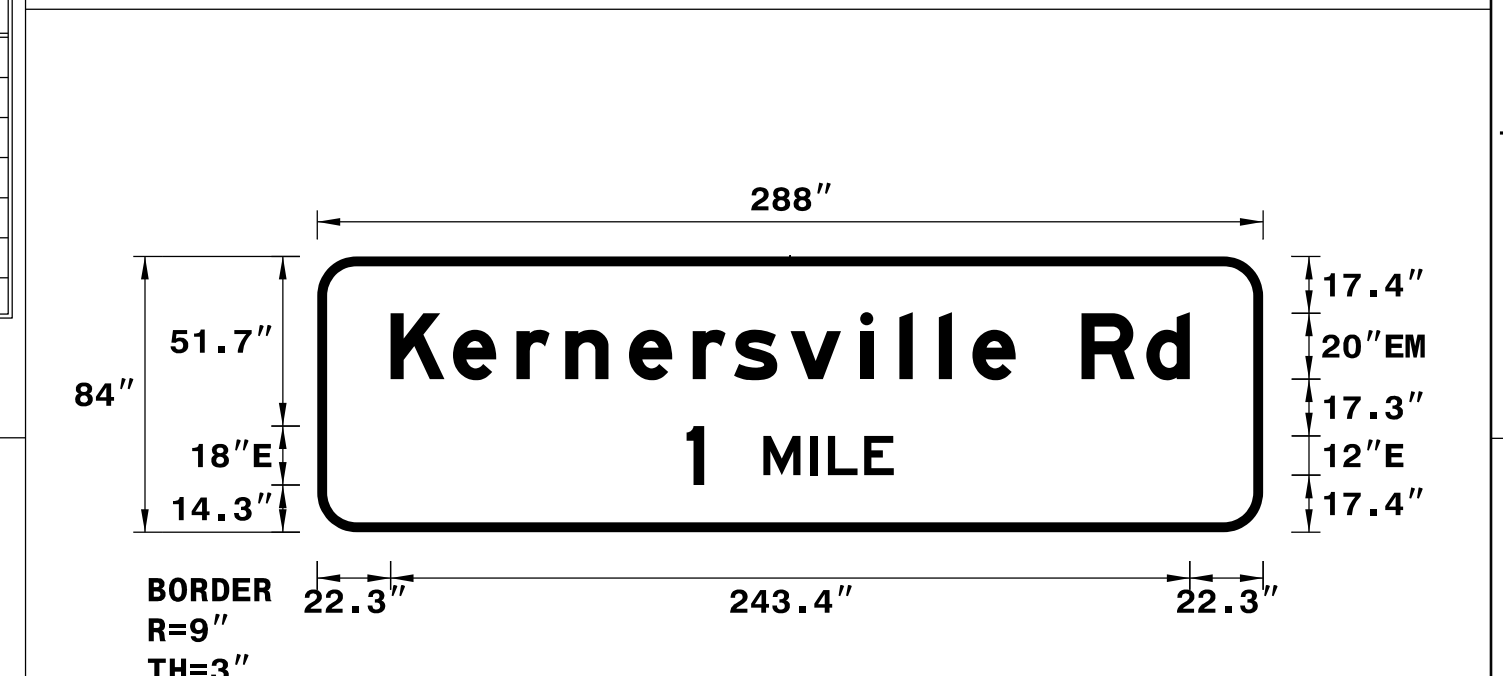
SIGN NUMBER: 238
TYPE: A
QUANTITY: 1
SIGN WIDTH: 24'-0"
HEIGHT: 7'-0"
TOTAL AREA: 168.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 3"
RADII: 9"
NO. Z BARS: 2
LENGTH: 280.0

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON
CHECKED BY: R KING
Oct 19, 2020
PROJECT ID: U-2579AB
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"

LETTER POSITIONS

Letter spacings are to start of next letter

K	e	r	n	e	r	s	v	i	l	l	e	R	d	Series/Size	Text Length				
22.3	19	19.4	14.8	19.4	19.4	12.6	17.2	21.2	12	12	10.2	13.2	20	19.8	13.2	22.3	EM 2000	243.4	
1	M	I	L	E														E 2000	63.1
112.4	5.4	18	14.4	5.3	11	9	112.4												

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

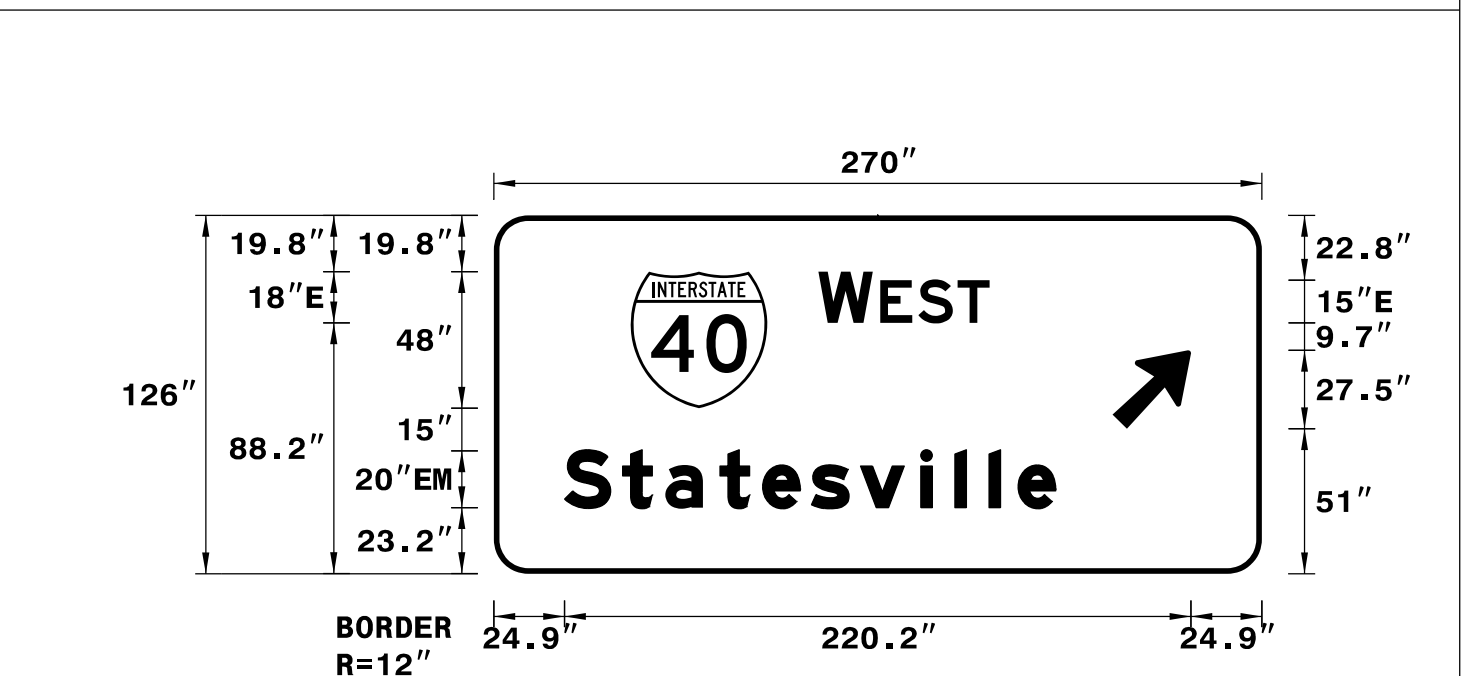
SIGN NUMBER: 24B
TYPE: A
QUANTITY: 1
SIGN WIDTH: 22'-6"
HEIGHT: 10'-6"
TOTAL AREA: 236.3 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 3"
RADII: 12"
NO. Z BARS: 3
LENGTH: 262.0

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
M1_1	48.1	58.3	48	48
AR_Type A	217.5	51	22.3	35

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON
CHECKED BY: R KING
Jan 29, 2020
PROJECT ID: U-2579AB
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

W	E	S	T	Series/Size	Text Length														
114.1	19.1	2.7	13.3	13.8	11.3	95.7	E 2000	60.2											
s	t	a	t	e	s	v	i	l	l	e									
24.9	20.4	15	19.2	15	17.2	17.2	21.2	12	12	10.2	13.2	72.5	EM 2000	172.6					

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

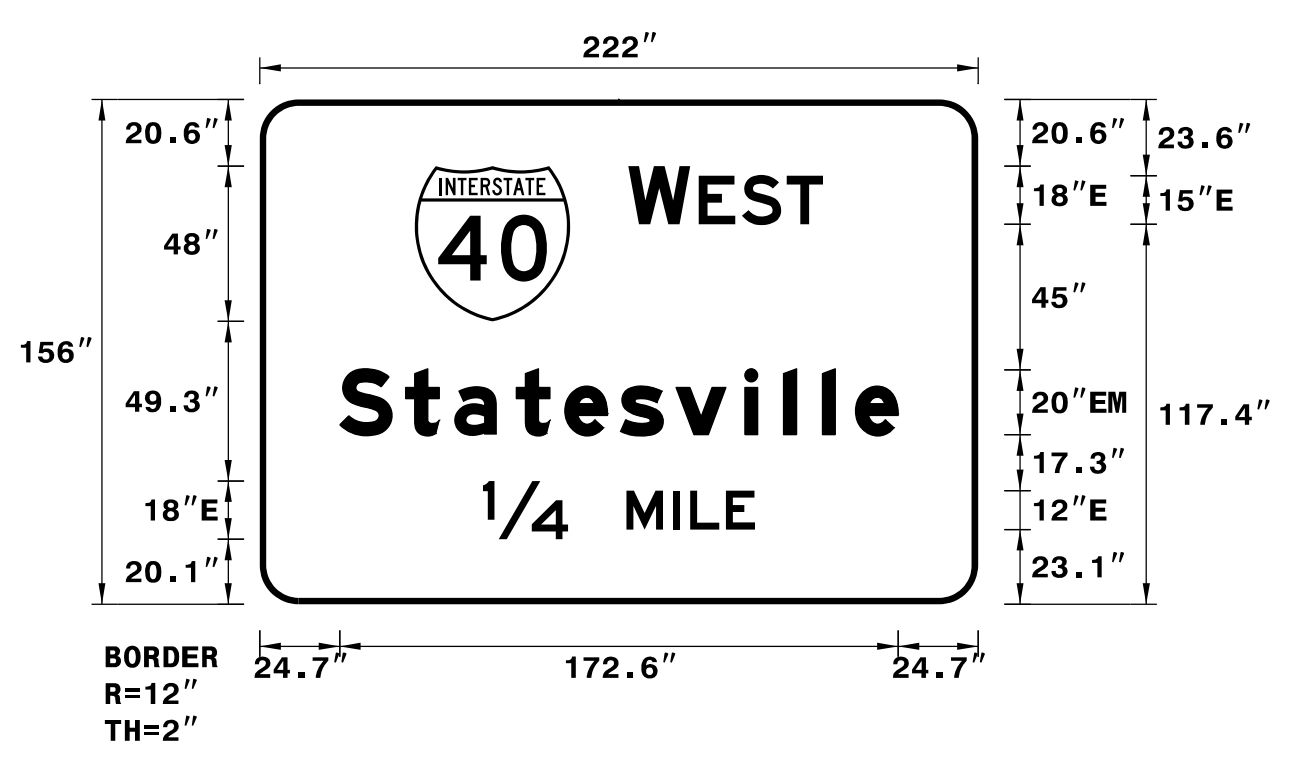
SIGN DESIGNS

SIGN NUMBER: 27B
 TYPE: A
 QUANTITY: 1
 SIGN WIDTH: 18'-6"
 HEIGHT: 13'-0"
 TOTAL AREA: 240.5 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 12"
 NO. Z BARS: 4
 LENGTH: 214.0

BACKG COLOR: Green
 COPY COLOR: White

SYMBOL	X	Y	WID	HT
M1_1	47.9	87.4	48	48

DESIGN BY: R DRAYTON
 CHECKED BY: R KING
 Oct 15, 2020
 PROJECT ID: U-2579AB
 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.
 - 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

W	E	S	T	Series/Size	Text Length								
113.9	19.1	2.7	13.3	13.8	11.3	47.9	E 2000	60.1					
24.7	20.4	15	19.2	15	17.2	17.2	12	12	10.2	13.2	24.7	EM 2000	172.6
69	26.4	18	14.4	5.3	11	9	69	E 2000	84.1				

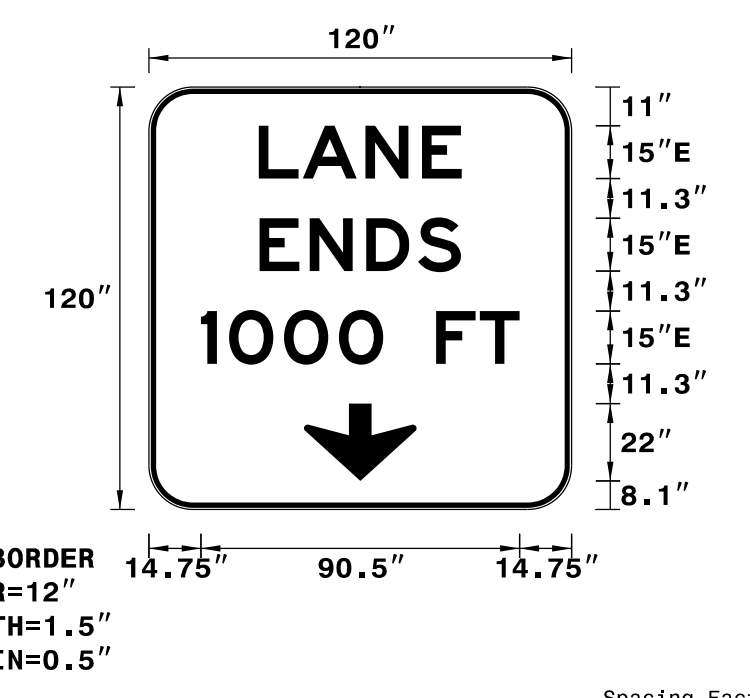
FILENAME: SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 29
 TYPE: A
 QUANTITY: 1
 SIGN WIDTH: 10'-0"
 HEIGHT: 10'-0"
 TOTAL AREA: 100.0 Sq.Ft.
 BORDER TYPE: RECESSED
 RECESS: 0.5"
 WIDTH: 1.5"
 RADII: 12"
 NO. Z BARS: 3
 LENGTH: 112.0

BACKG COLOR: Yellow
 COPY COLOR: Black

SYMBOL	X	Y	WID	HT
ARDOWN	44	8.1	32	22

DESIGN BY: R DRAYTON
 CHECKED BY: R KING
 Sep 22, 2020
 PROJECT ID: U-2579AB
 DIV: 9



- USE NOTES: 1 & 2
- Legend and border shall be direct applied black non-reflective sheeting.
 - Background shall be Grade C reflective sheeting.

LETTER POSITIONS

Letter spacings are to start of next letter

L	A	N	E	Series/Size	Text Length					
31.2	12.5	17.9	16.1	11.3	31.2	E 2000	57.6			
31.4	14.2	16.1	14.7	12.2	31.4	E 2000	57.2			
14.8	8	15.6	15.6	12.6	15	12.5	11.3	14.8	E 2000	90.5

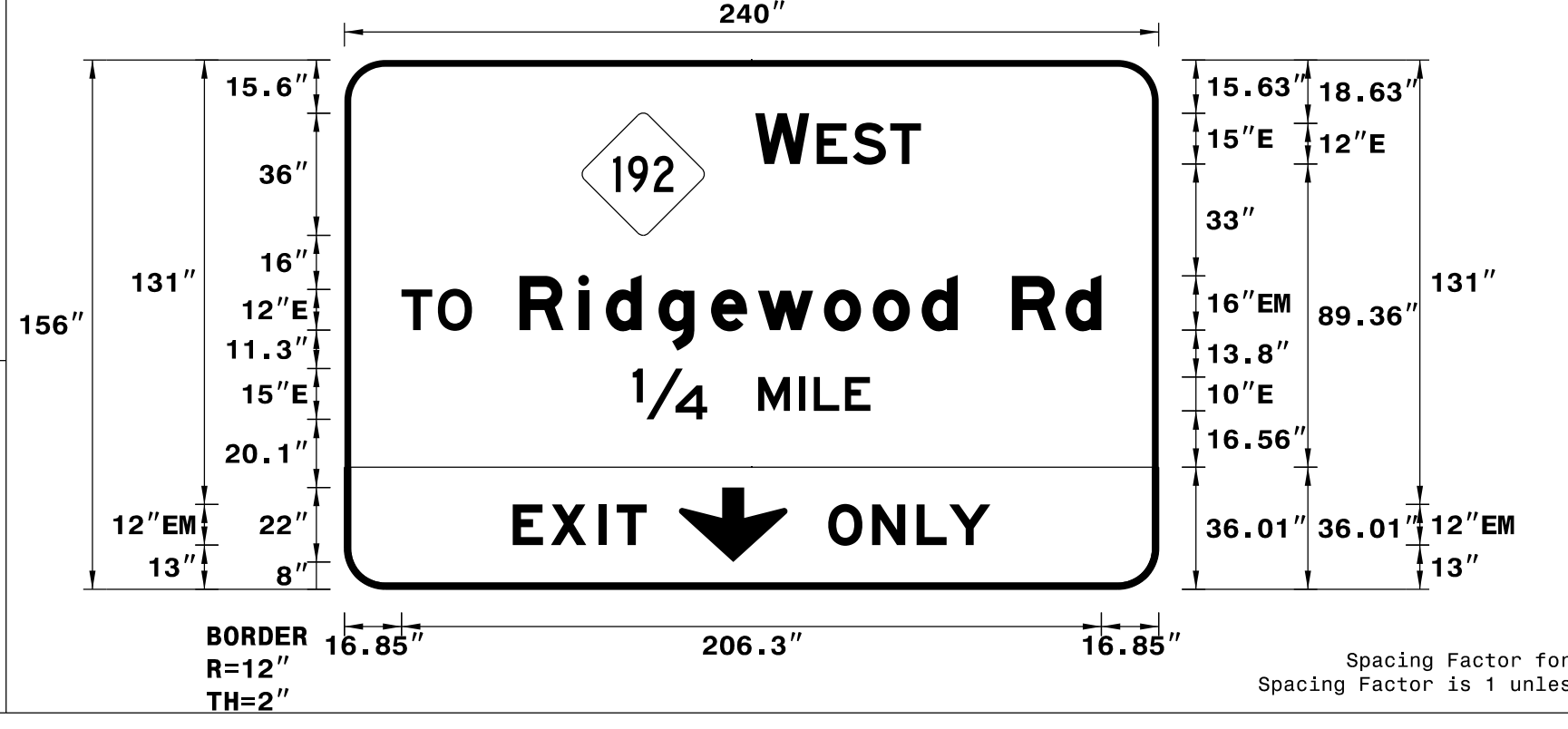
FILENAME: SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 30B
 TYPE: A
 QUANTITY: 1
 SIGN WIDTH: 20'-0"
 HEIGHT: 13'-0"
 TOTAL AREA: 260.0 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 12"
 NO. Z BARS: 4
 LENGTH: 232.0

BACKG COLOR: Green
 COPY COLOR: White

SYMBOL	X	Y	WID	HT
M1-5-3-24-7C	70.1	104.4	36	36
ARDOWN	98.6	8	32	22

DESIGN BY: R DRAYTON
 CHECKED BY: R KING
 Sep 22, 2020
 PROJECT ID: U-2579AB
 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"

LETTER POSITIONS

Letter spacings are to start of next letter

W	E	S	T	Series/Size	Text Length										
121.1	15.9	2.2	10.7	11	9	70.1	E 2000	48.8							
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
85	22	15	12	4.4	9.2	7.5	85	E 2000	70.1						
49.6	11.2	14	5.4	8.9	150.9	EM 2000	39.5								
142.6	13	13.1	9.6	12.1	49.6	EM 2000	47.8								

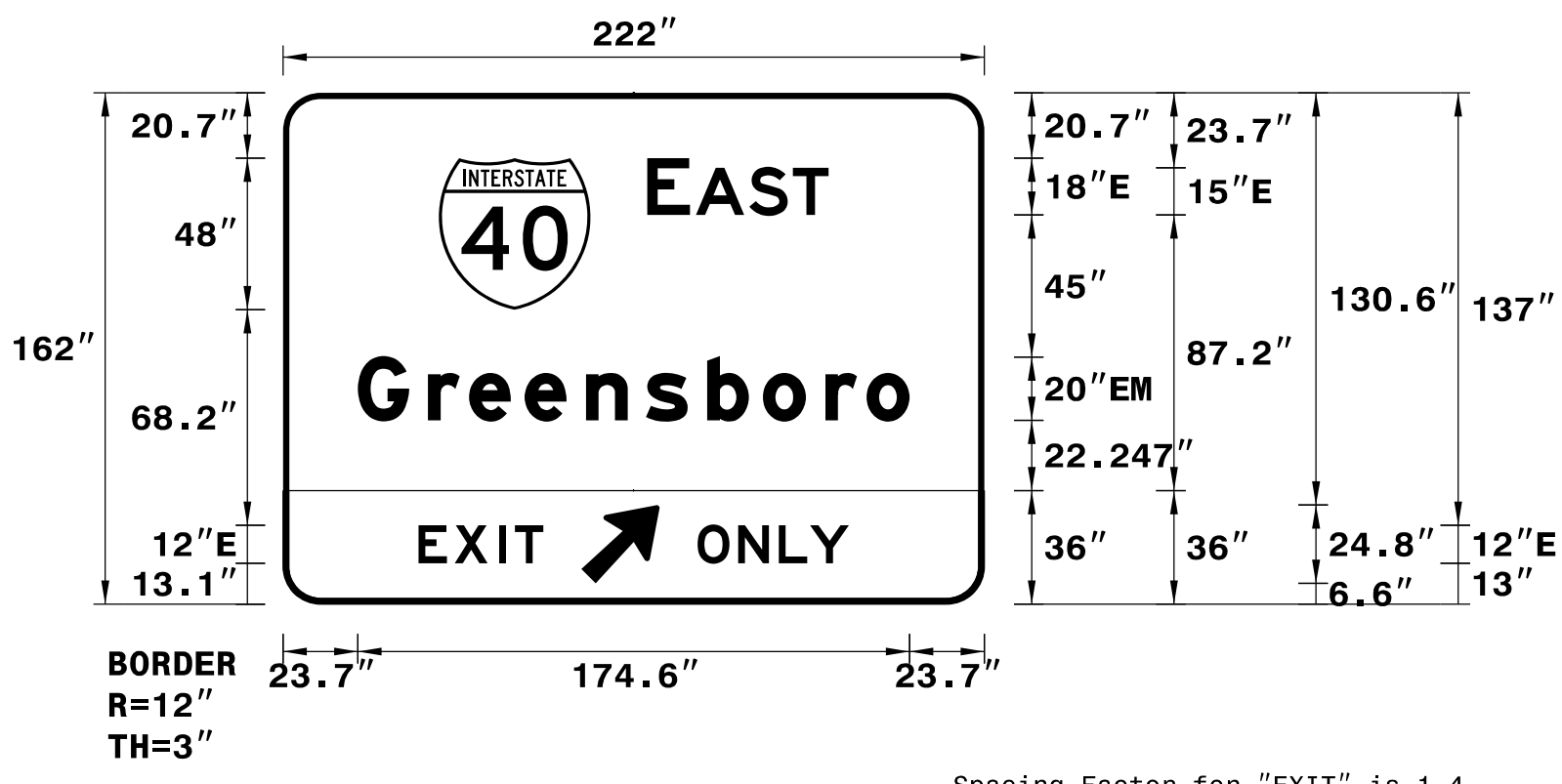
FILENAME: SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 28B
 TYPE: A
 QUANTITY: 1
 SIGN WIDTH: 18'-6"
 HEIGHT: 13'-6"
 TOTAL AREA: 249.8 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 3"
 RADII: 12"
 NO. Z BARS: 4
 LENGTH: 214.0

BACKG COLOR: Green
 COPY COLOR: White

SYMBOL	X	Y	WID	HT
M1_1	49.3	93.3	48	48
AR_Type A	94.4	6.6	20	31.5

DESIGN BY: R DRAYTON
 CHECKED BY: R KING
 Jan 29, 2020
 PROJECT ID: U-2579AB
 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"

LETTER POSITIONS

Letter spacings are to start of next letter

E	A	S	T	Series/Size	Text Length								
115.3	13.5	1.9	16.9	13.8	11.3	49.3	E 2000	57.4					
23.7	22.2	13	17.6	19.4	19	19.4	17.6	19.8	13	13.6	23.7	EM 2000	174.6
42.9	11.4	13.9	5.1	9	139.6	E 2000	39.5						
131.2	12.8	12.8	10	12.2	42.9	E 2000	47.9						

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



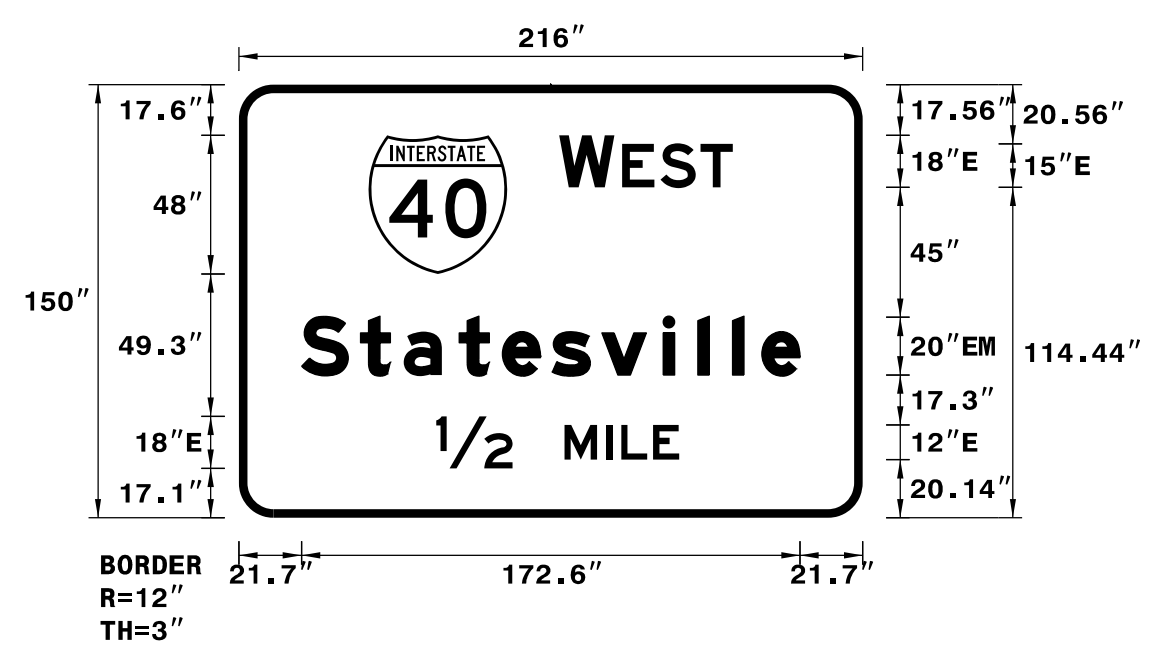
10/13/2021

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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: 31B	BACKG COLOR: Green
TYPE: A	COPY COLOR: White
QUANTITY: 1	
SIGN WIDTH: 18'-0"	
HEIGHT: 12'-6"	
TOTAL AREA: 225.0 Sq.Ft.	
BORDER TYPE: FLUSH	
RECESS: 0"	
WIDTH: 3"	
RADII: 12"	
NO. Z BARS: 4	MAT'L: 0.125" (3.2 mm) ALUMINUM
LENGTH: 208.0	

DESIGN BY: R DRAYTON
PROJECT ID: U-2579AB
CHECKED BY: R KING
Oct 15, 2020
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

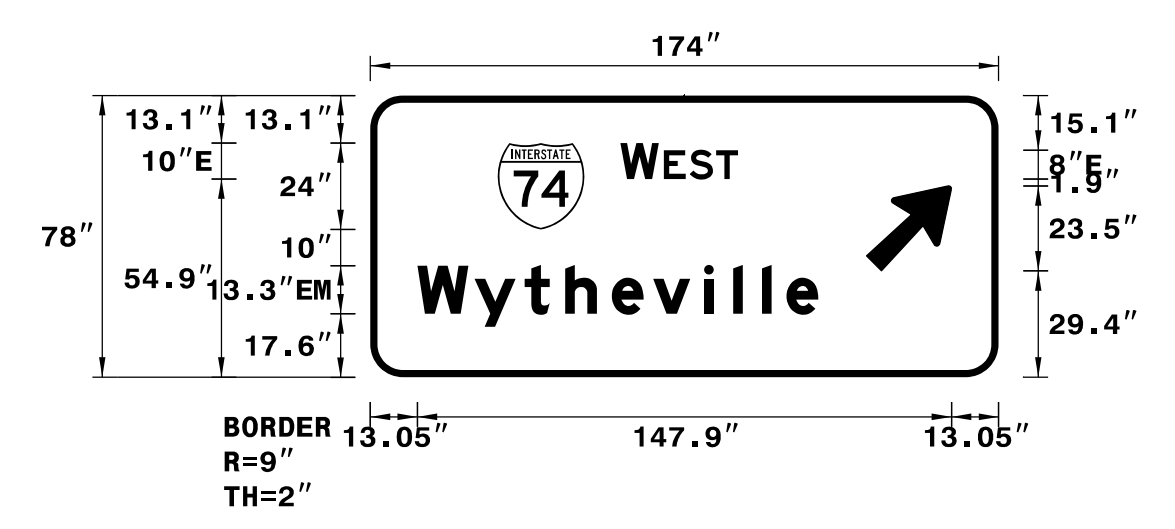
Letter spacings are to start of next letter

Series/Size	Text Length
E 2000	60.1
EM 2000	172.6
E 2000	87.7

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

SIGN NUMBER: 35	BACKG COLOR: Green
TYPE: A	COPY COLOR: White
QUANTITY: 1	
SIGN WIDTH: 14'-6"	
HEIGHT: 6'-6"	
TOTAL AREA: 94.3 Sq.Ft.	
BORDER TYPE: FLUSH	
RECESS: 0"	
WIDTH: 2"	
RADII: 9"	
NO. Z BARS: 2	MAT'L: 0.125" (3.2 mm) ALUMINUM
LENGTH: 166.0	

DESIGN BY: R DRAYTON
PROJECT ID: U-2579AB
CHECKED BY: R KING
Feb 03, 2020
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

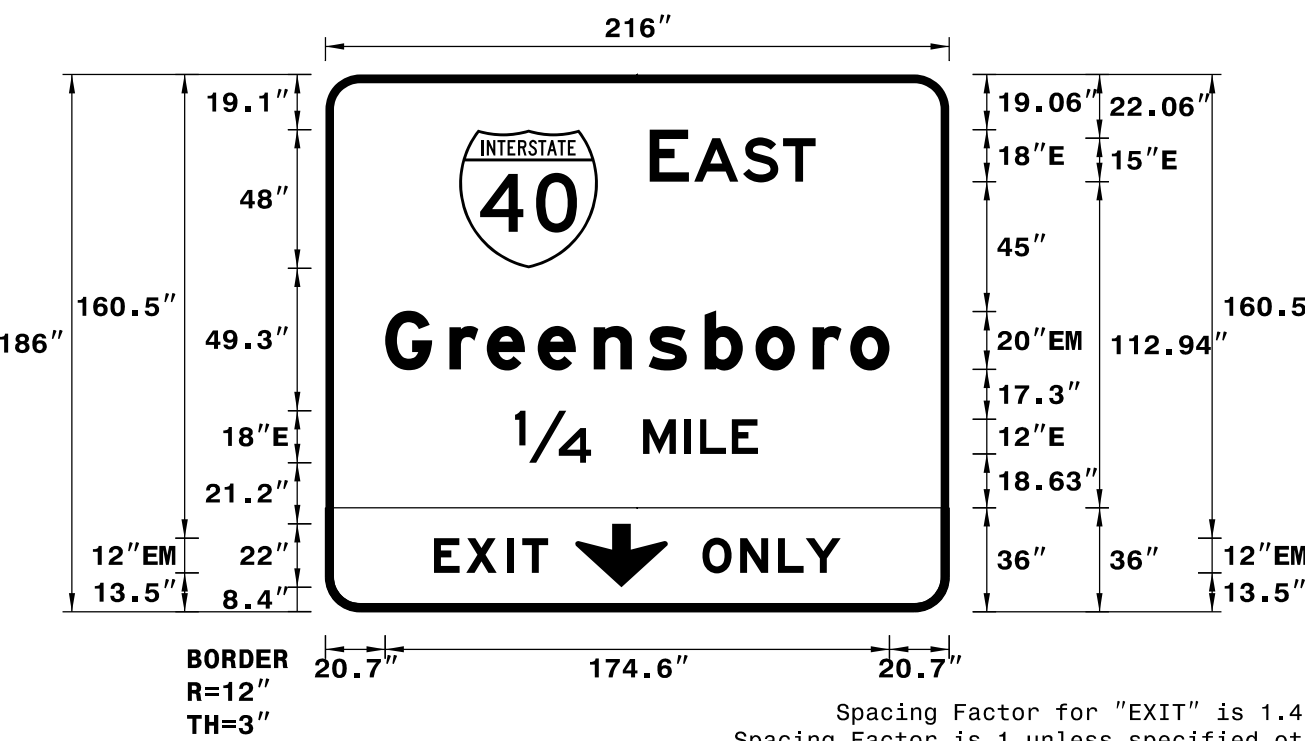
Letter spacings are to start of next letter

Series/Size	Text Length
E 2000	32.5
EM 2000	111

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

SIGN NUMBER: 32B	BACKG COLOR: Green
TYPE: A	COPY COLOR: White
QUANTITY: 1	
SIGN WIDTH: 18'-0"	
HEIGHT: 15'-6"	
TOTAL AREA: 279.0 Sq.Ft.	
BORDER TYPE: FLUSH	
RECESS: 0"	
WIDTH: 3"	
RADII: 12"	
NO. Z BARS: 6	MAT'L: 0.125" (3.2 mm) ALUMINUM
LENGTH: 208.0	

DESIGN BY: R DRAYTON
PROJECT ID: U-2579AB
CHECKED BY: R KING
Oct 15, 2020
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"

LETTER POSITIONS

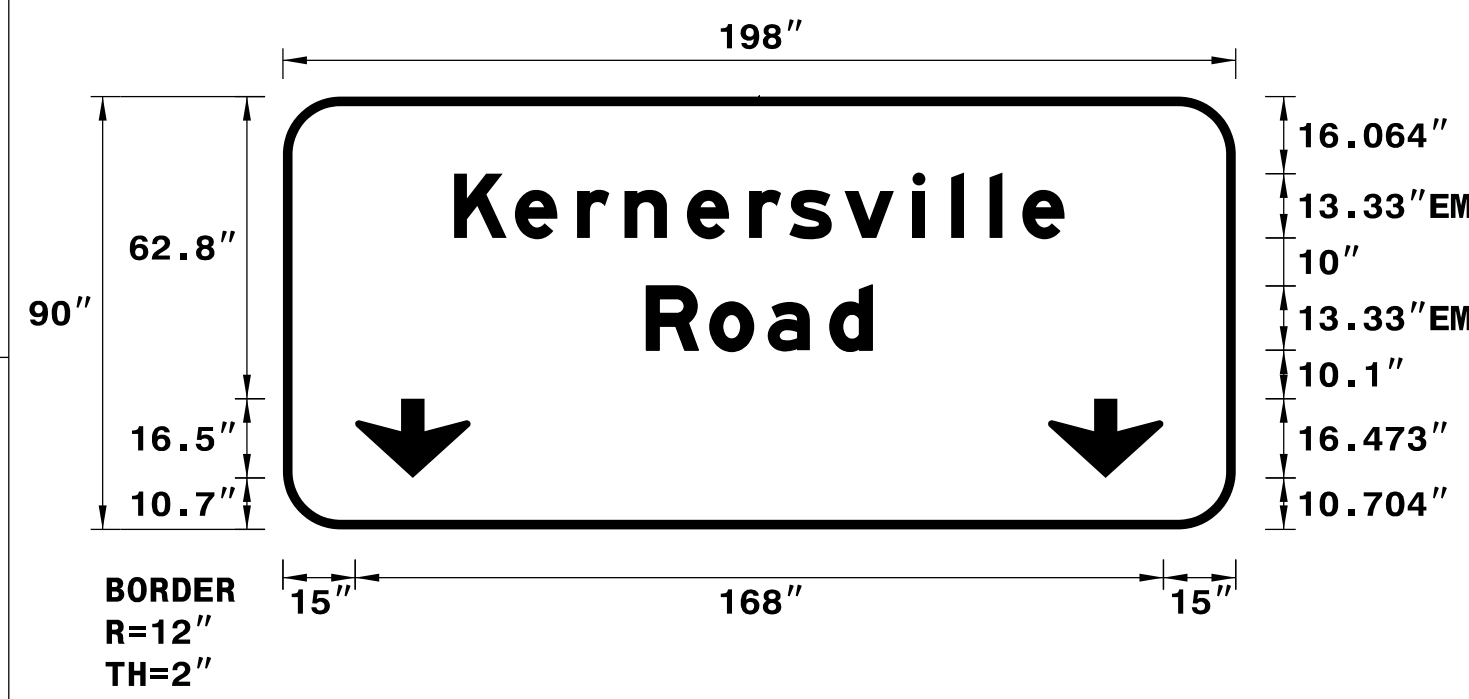
Letter spacings are to start of next letter

Series/Size	Text Length
E 2000	57.4
EM 2000	174.6
E 2000	84.1
EM 2000	39.5
EM 2000	47.9

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

SIGN NUMBER: 36	BACKG COLOR: Green
TYPE: A	COPY COLOR: White
QUANTITY: 1	
SIGN WIDTH: 16'-6"	
HEIGHT: 7'-6"	
TOTAL AREA: 123.8 Sq.Ft.	
BORDER TYPE: FLUSH	
RECESS: 0"	
WIDTH: 2"	
RADII: 12"	
NO. Z BARS: 3	MAT'L: 0.125" (3.2 mm) ALUMINUM
LENGTH: 190.0	

DESIGN BY: R DRAYTON
PROJECT ID: U-2579AB
CHECKED BY: R KING
May 24, 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.

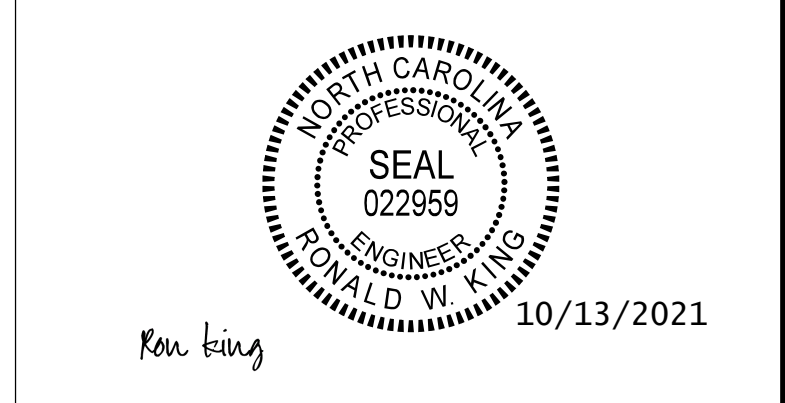
LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
EM 2000	126.9
EM 2000	46.9

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

SIGN DESIGNS



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N.C.B.E.L.S. License Number: F-0116

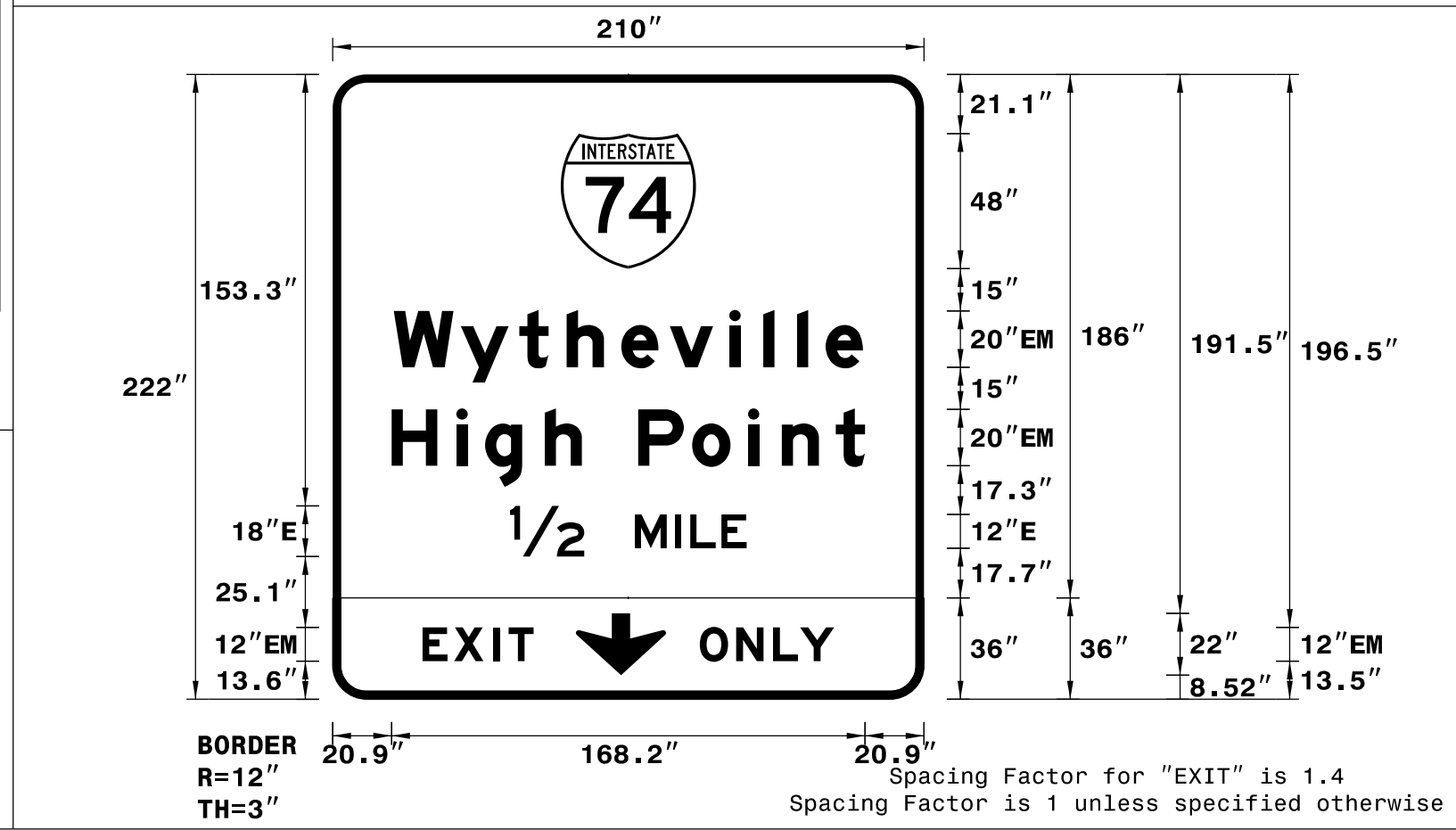
SIGN NUMBER: 40B
TYPE: A
QUANTITY: 1
SIGN WIDTH: 17'-6"
HEIGHT: 18'-6"
TOTAL AREA: 323.8 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 3"
RADII: 12"
NO. Z BARS: 6
LENGTH: 202.0

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
M1_1	81	153	48	48
ARDOWN	86.4	8.5	32	22

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON
PROJECT ID: U-2579AB
CHECKED BY: R KING
Oct 15, 2020
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"

LETTER POSITIONS

Letter spacings are to start of next letter												Series/Size
												Text Length
W	y	t	h	e	v	i	l	l	e			EM 2000
21.7	23.8	20.8	16.8	19.4	17.2	21.2	12	12	10.2	13.2	21.7	166.6
H	i	g	h	P	o	i	n	t				EM 2000
20.9	23	10.2	21.2	13.2	20	19.2	19.8	12	19.2	10.4	20.9	168.2
1/2	M	I	L	E								E 2000
63	26.4	18	14.4	5.3	11	9	63					84.1
E	X	I	T									EM 2000
31.9	11.2	14	5.4	8.9	138.6							39.5
O	N	L	Y									EM 2000
130.4	13	13.1	9.6	12.1	31.9							47.8

FILENAME: SignDesigns

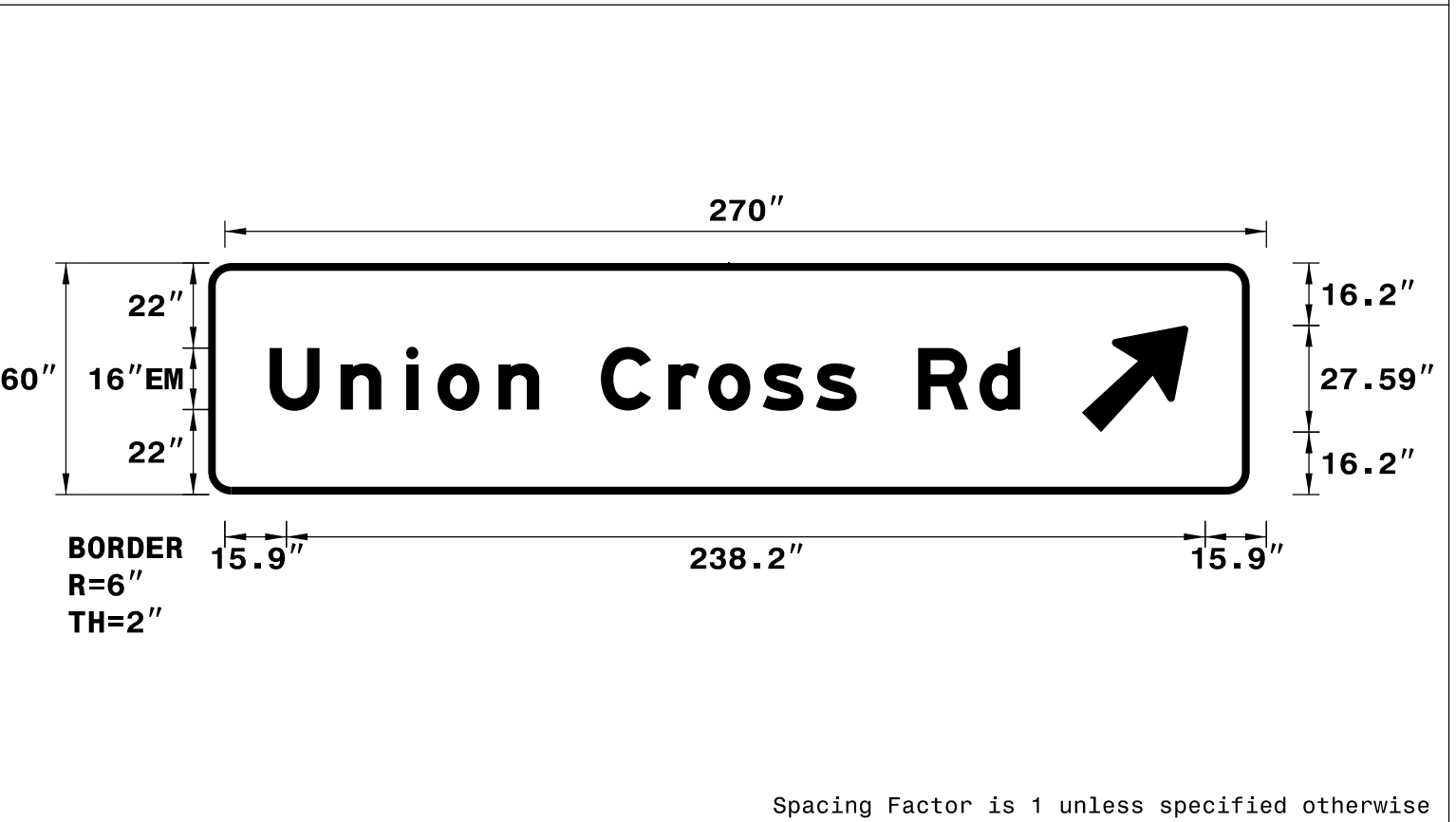
SIGN NUMBER: 38B
TYPE: A
QUANTITY: 1
SIGN WIDTH: 22'-6"
HEIGHT: 5'-0"
TOTAL AREA: 112.5 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 6"
NO. Z BARS: 2
LENGTH: 262.0

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
AR_Type A	226.5	16.2	22.3	35

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON
PROJECT ID: U-2579AB
CHECKED BY: R KING
Dec 02, 2019
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				
U	n	i	o	n	C	r	o	s	s	R	d	EM 2000				
15.9	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	59.5	194.6

FILENAME: SignDesigns

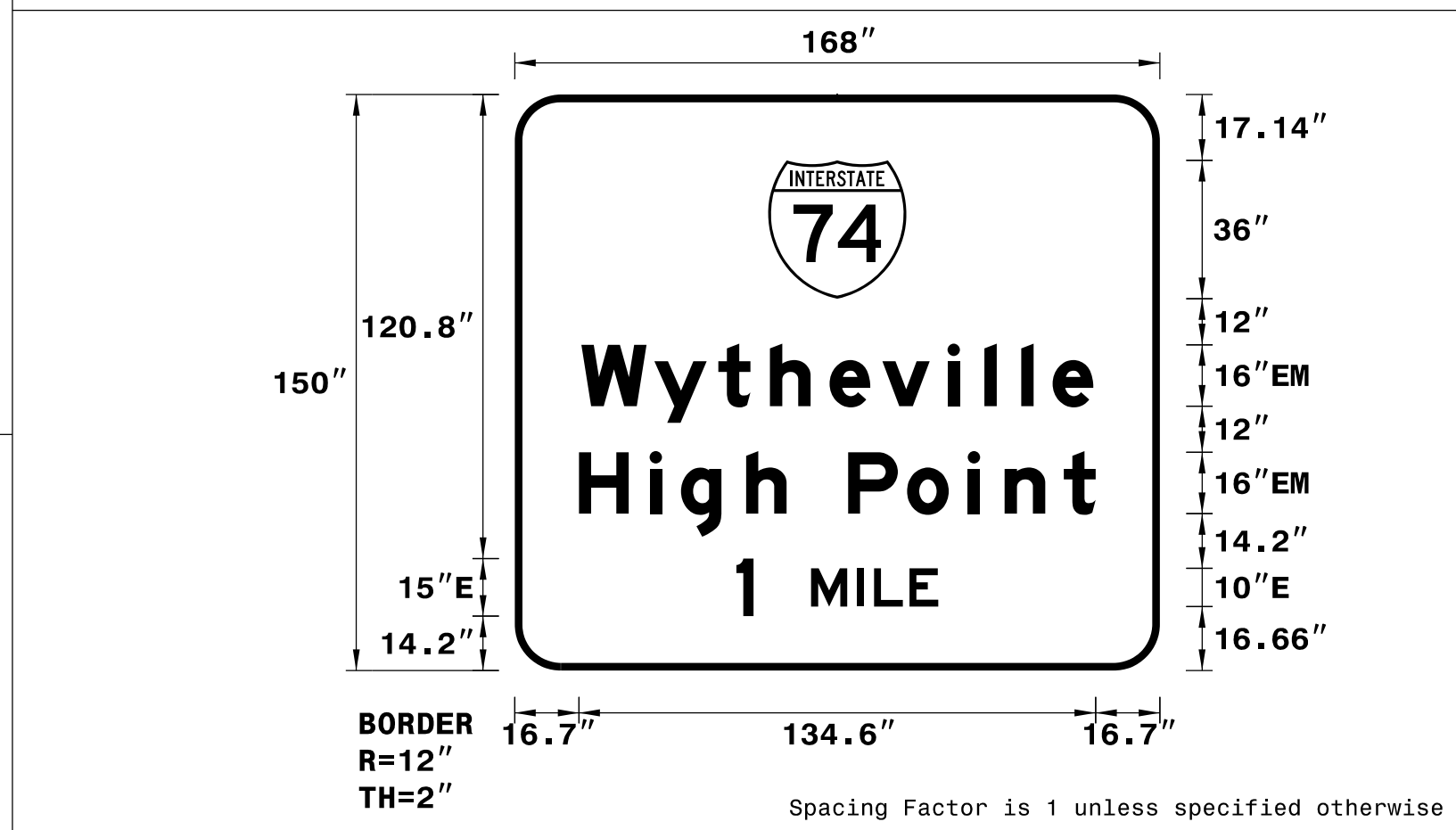
SIGN NUMBER: 39B
TYPE: A
QUANTITY: 1
SIGN WIDTH: 14'-0"
HEIGHT: 12'-6"
TOTAL AREA: 175.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 12"
NO. Z BARS: 4
LENGTH: 160.0

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-2579AB
CHECKED BY: R KING
Dec 02, 2019
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
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
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
1	M	I	L	E								E 2000
57.7	4.5	15	12	4.4	9.2	7.5	57.7					52.6

FILENAME: SignDesigns

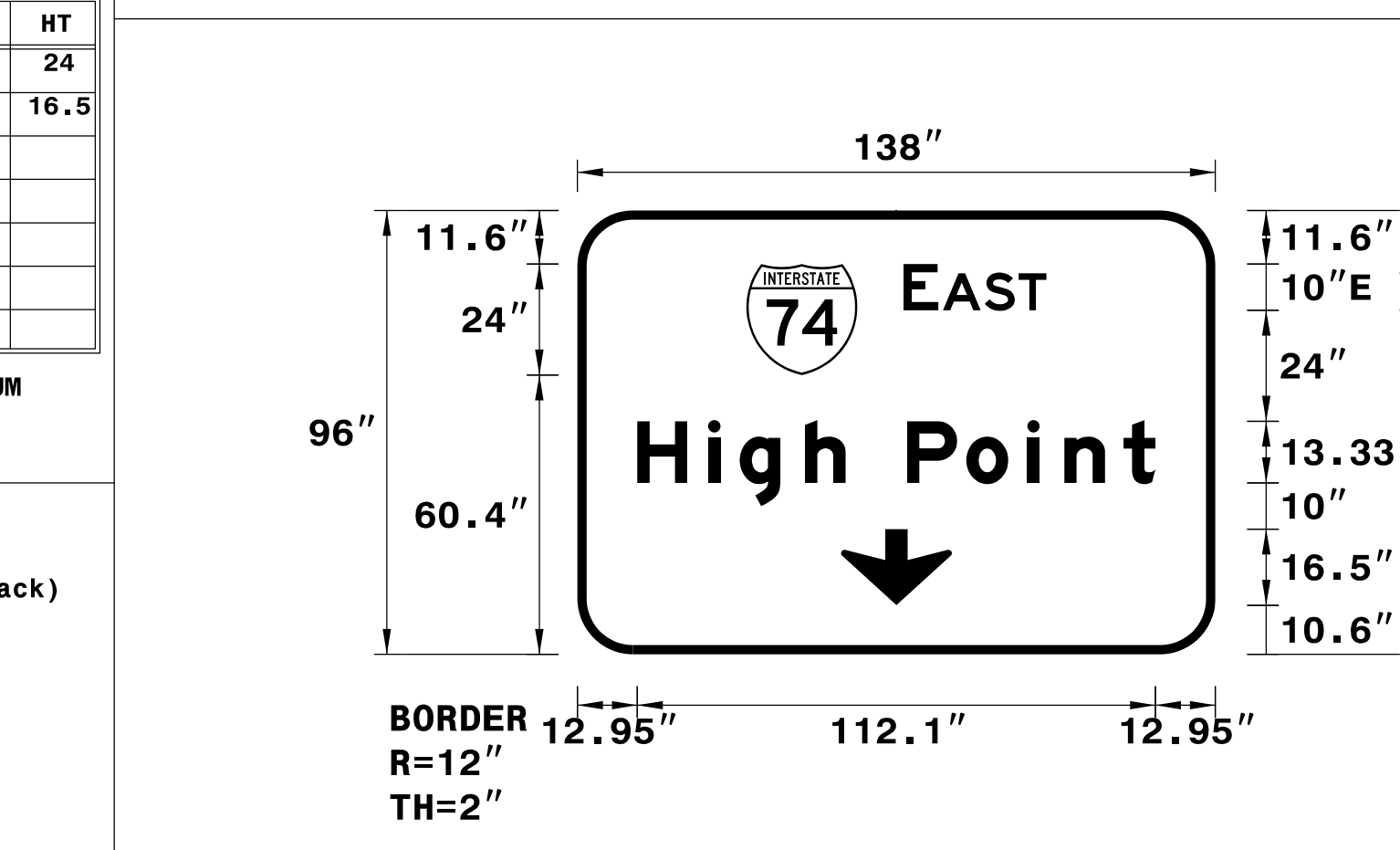
SIGN NUMBER: 37
TYPE: A
QUANTITY: 1
SIGN WIDTH: 11'-6"
HEIGHT: 8'-0"
TOTAL AREA: 92.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 12"
NO. Z BARS: 3
LENGTH: 130.0

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
M1_1	36.5	60.4	24	24
ARDOWN	57	10.6	24	16.5

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON
PROJECT ID: U2827B
CHECKED BY: R KING
Feb 03, 2020
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
E	A	S	T									E 2000
70.5	7.5	1	9	7.4	6	36.5						30.9
H	i	g	h	P	o	i	n	t				EM 2000
12.9	15.3	6.8	14.1	8.8	13.3	12.8	13.2	8	12.8	6.9	12.9	112.1

FILENAME: SignDesigns

SIGN DESIGNS

SIGN NUMBER: 43B
TYPE: A
QUANTITY: 1
SIGN WIDTH: 18'-6"
HEIGHT: 16'-0"
TOTAL AREA: 296.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 3"
RADII: 12"
NO. Z BARS: 6
LENGTH: 214.0

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
M1_1	87	123.5	48	48
AR_Type A	20	7.1	20	31.5
AR_Type A	177.2	7.1	20	31.5

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON
CHECKED BY: R KING
Oct 15, 2020
PROJECT ID: U-2579AB
DIV: 9

BORDER
R=12"
TH=3"

Spacing Factor for "EXIT" is 1.4
 Spacing Factor is 1 unless specified otherwise

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
W	y	t	h	e	v	i	l	l	e			EM 2000
27.7	23.8	20.8	16.8	19.4	17.2	21.2	12	12	10.2	13.2	27.7	166.6
H	i	g	h	P	o	i	n	t				EM 2000
26.9	23	10.2	21.2	13.2	20	19.2	19.8	12	19.2	10.4	26.9	168.2
E	X	I	T									E 2000
62.8	11.4	13.9	5.1	9	119.7							39.5
O	N	L	Y									EM 2000
118.8	13	13.1	9.6	12.1	55.5							47.8

FILENAME: SignDesigns

LETTER POSITIONS

Letter spacings are to start of next letter												Series/Size			
												Text Length			
U	n	i	o	n	C	r	o	s	s	R	d	EM 2000			
16.7	18.4	17	8.2	15.8	10.6	17.4	10.4	14.1	13.8	10.6	16	15.8	10.6	16.7	194.6
E	X	I	T												EM 2000
98.1	11.2	14	5.4	8.9	90.4										39.5
O	N	L	Y												EM 2000
152.6	13	13.1	9.6	12.1	27.6										47.8

FILENAME: SignDesigns

SIGN NUMBER: 45
TYPE: A
QUANTITY: 1
SIGN WIDTH: 17'-6"
HEIGHT: 8'-0"
TOTAL AREA: 140.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 12"
NO. Z BARS: 3
LENGTH: 202.0

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
M1_1	33.3	45.1	36	36
AR_Type A	165.8	35.3	22.3	35

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON
CHECKED BY: R KING
Dec 02, 2019
PROJECT ID: U-2579AB
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
W	E	S	T									E 2000
84.3	15.9	2.2	10.7	11	9	76.9						48.8
W	y	t	h	e	v	i	l	l	e			EM 2000
16.6	19	16.6	13.4	15.5	13.8	17	9.6	9.6	8.2	10.6	60.2	133.3

FILENAME: SignDesigns

LETTER POSITIONS

Letter spacings are to start of next letter												Series/Size			
												Text Length			
U	n	i	o	n	C	r	o	s	s	R	d	EM 2000			
16.7	18.4	17	8.2	15.8	10.6	17.4	10.4	14.1	13.8	10.6	16	15.8	10.6	16.7	194.6
E	X	I	T												EM 2000
98.1	11.2	14	5.4	8.9	90.4										39.5
O	N	L	Y												EM 2000
152.6	13	13.1	9.6	12.1	27.6										47.8

FILENAME: SignDesigns

SIGN NUMBER: 42B
TYPE: A
QUANTITY: 1
SIGN WIDTH: 19'-0"
HEIGHT: 7'-0"
TOTAL AREA: 247.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 9"
NO. Z BARS: 2
LENGTH: 220.0

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
AR_Type A	23	6.6	20	31.5
AR_Type A	180.2	6.6	20	31.5

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON
CHECKED BY: R KING
Oct 13, 2020
PROJECT ID: U-2579AB
DIV: 9

BORDER
R=9"
TH=2"

Spacing Factor for "EXIT" is 1.4
 Spacing Factor is 1 unless specified otherwise

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.

LETTER POSITIONS

Letter spacings are to start of next letter												Series/Size			
												Text Length			
U	n	i	o	n	C	r	o	s	s	R	d	EM 2000			
16.7	18.4	17	8.2	15.8	10.6	17.4	10.4	14.1	13.8	10.6	16	15.8	10.6	16.7	194.6
E	X	I	T												EM 2000
98.1	11.2	14	5.4	8.9	90.4										39.5
O	N	L	Y												EM 2000
152.6	13	13.1	9.6	12.1	27.6										47.8

FILENAME: SignDesigns

DESIGN BY: R DRAYTON
CHECKED BY: R KING
Oct 13, 2020
PROJECT ID: U-2579AB
DIV: 9

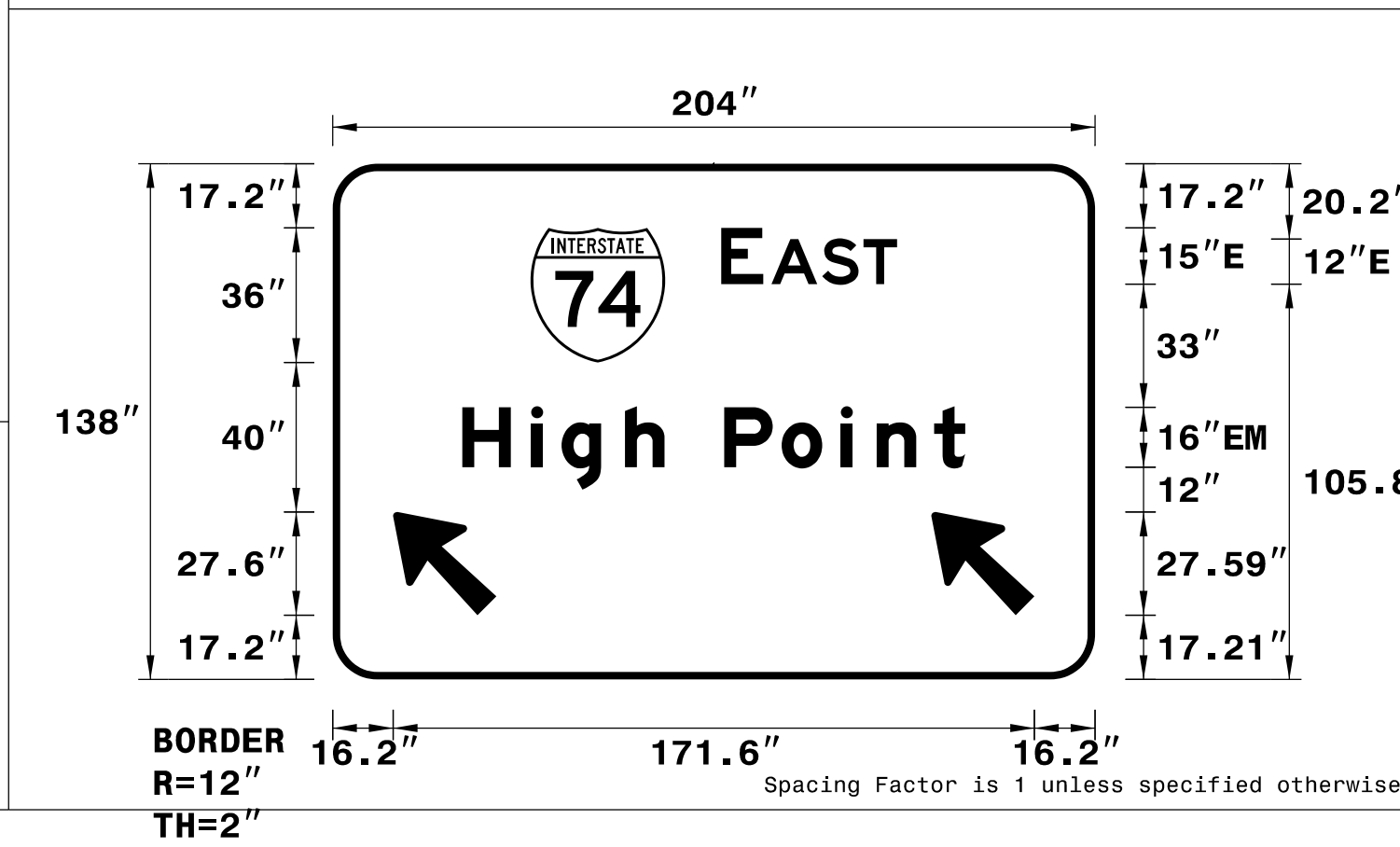
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HDR HDR Engineering, Inc. of the Carolinas
 555 Fayetteville St. Suite 900 Raleigh, N.C. 27601
 N.C.B.E.L.S. License Number: F-0116

SIGN NUMBER: 46
 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

SYMBOL	X	Y	WID	HT
M1_1	53	84.8	36	36
AR_Type A	16.2	17.2	22.3	35
AR_Type A	160.2	17.2	22.3	35

DESIGN BY: R DRAYTON
 CHECKED BY: R KING
 Oct 16, 2020
 PROJECT ID: U-2579AB
 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

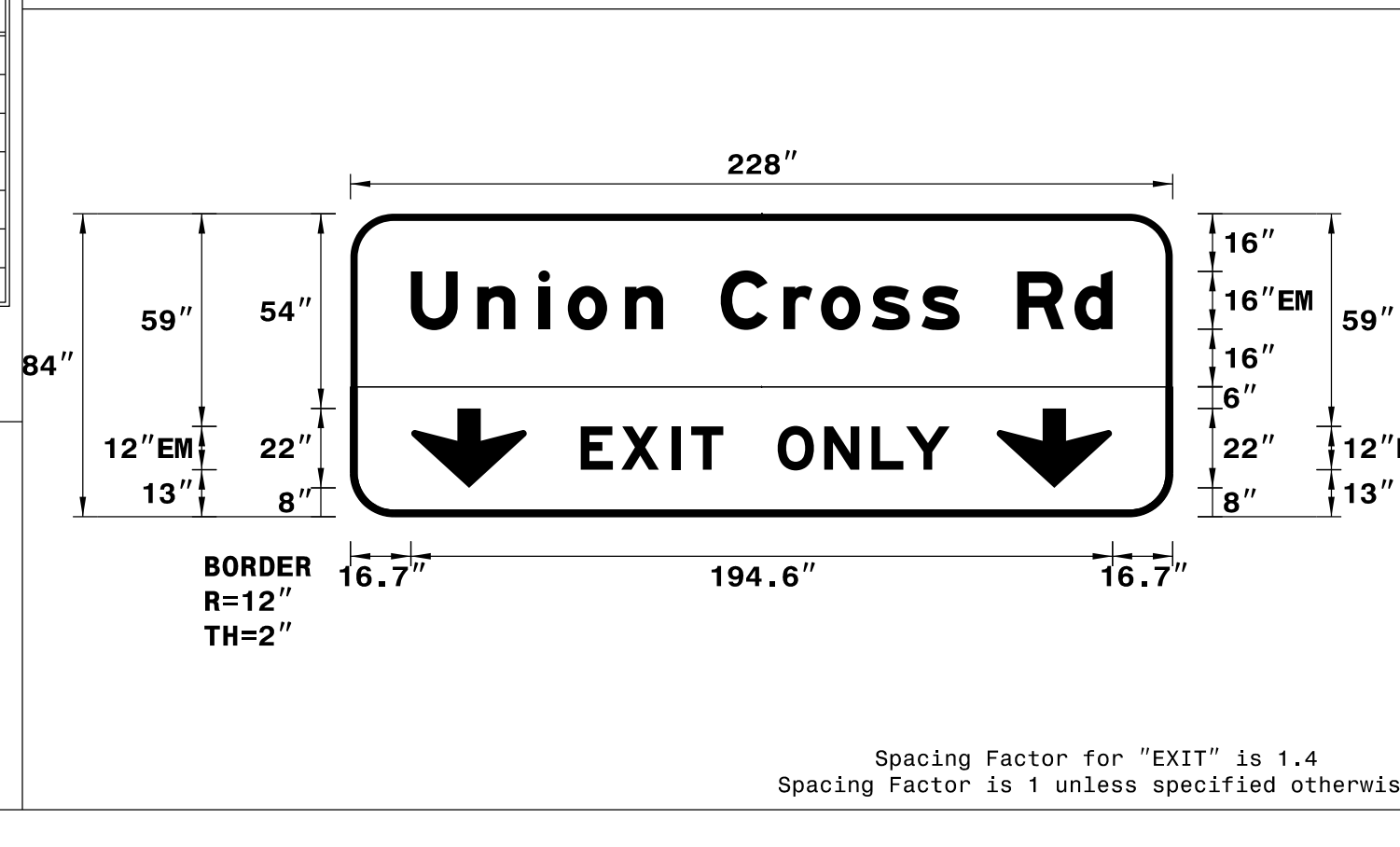
Series/Size	Text Length
E	2000
104	11.3
A	2.2
S	13.6
T	11
9	53
47	
H	2000
34.7	18.4
i	8.2
g	17
h	10.6
16	15.4
15.8	9.6
15.4	8.3
34.7	

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

SIGN NUMBER: 47B
 TYPE: A
 QUANTITY: 1
 SIGN WIDTH: 19'-0"
 HEIGHT: 7'-0"
 TOTAL AREA: 133.0 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 12"
 NO. Z BARS: 2
 LENGTH: 220.0

SYMBOL	X	Y	WID	HT
ARDOWN	16.8	8	32	22
ARDOWN	179.2	8	32	22

DESIGN BY: R DRAYTON
 CHECKED BY: R KING
 Oct 18, 2020
 PROJECT ID: U-2579AB
 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

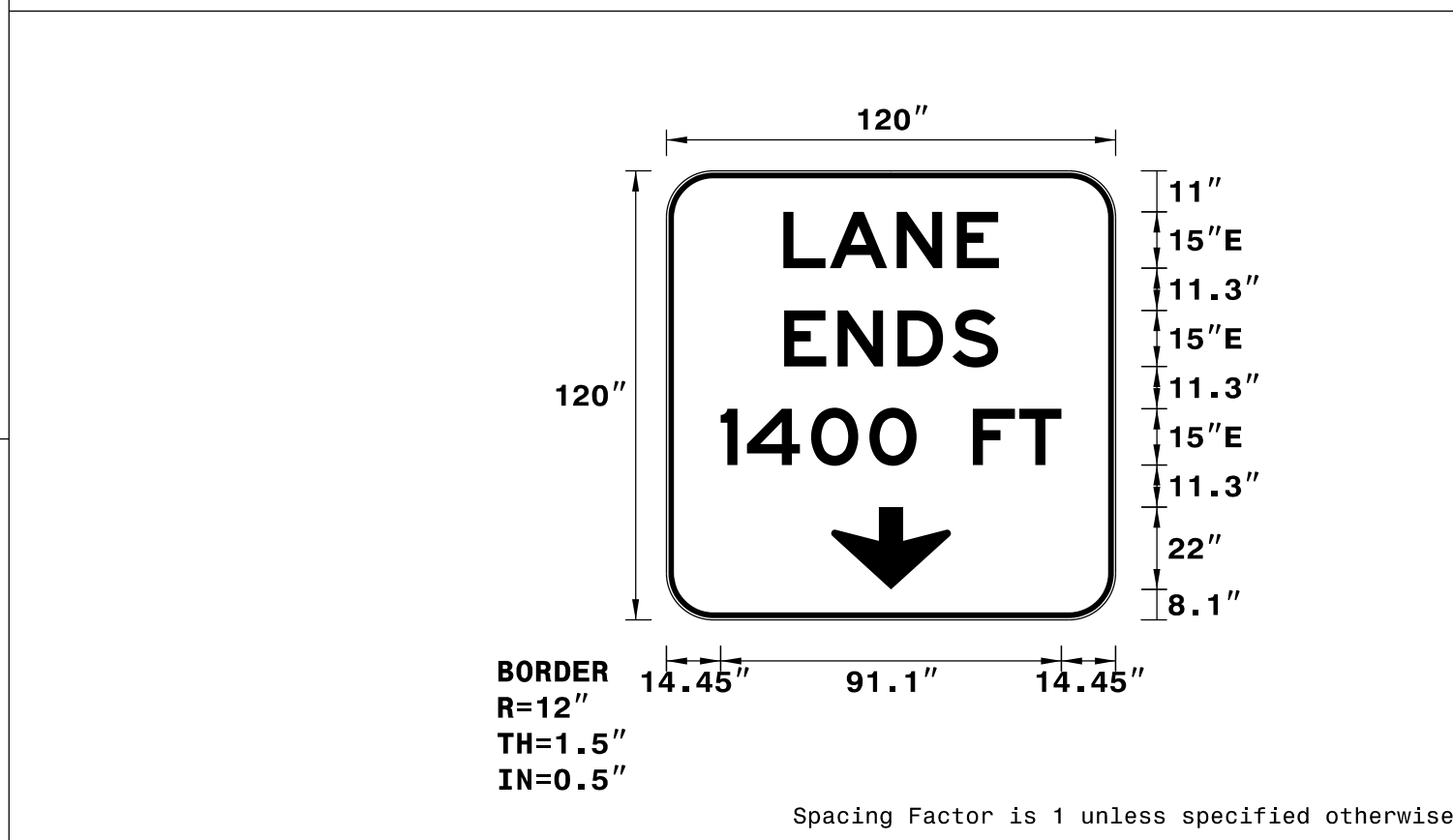
Series/Size	Text Length
U	2000
16.7	18.4
n	17
i	8.2
o	15.8
10.6	16
17.4	10.4
14.1	13.8
10.6	16
15.8	10.6
16.7	
E	2000
63.8	11.2
X	14
I	5.4
T	8.9
124.6	
O	2000
118.4	13
N	13.1
L	9.6
Y	12.1
61.8	

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

SIGN NUMBER: 48
 TYPE: A
 QUANTITY: 1
 SIGN WIDTH: 10'-0"
 HEIGHT: 10'-0"
 TOTAL AREA: 100.0 Sq.Ft.
 BORDER TYPE: RECESSED
 RECESS: 0.5"
 WIDTH: 1.5"
 RADII: 12"
 NO. Z BARS: 3
 LENGTH: 112.0

SYMBOL	X	Y	WID	HT
ARDOWN	44	8.1	32	22

DESIGN BY: R DRAYTON
 CHECKED BY: R KING
 Sep 22, 2020
 PROJECT ID: U-2579AB
 DIV: 9



USE NOTES: 1 & 2
 1. Legend and border shall be direct applied black non-reflective sheeting.
 2. Background shall be Grade C reflective sheeting.

LETTER POSITIONS

Letter spacings are to start of next letter

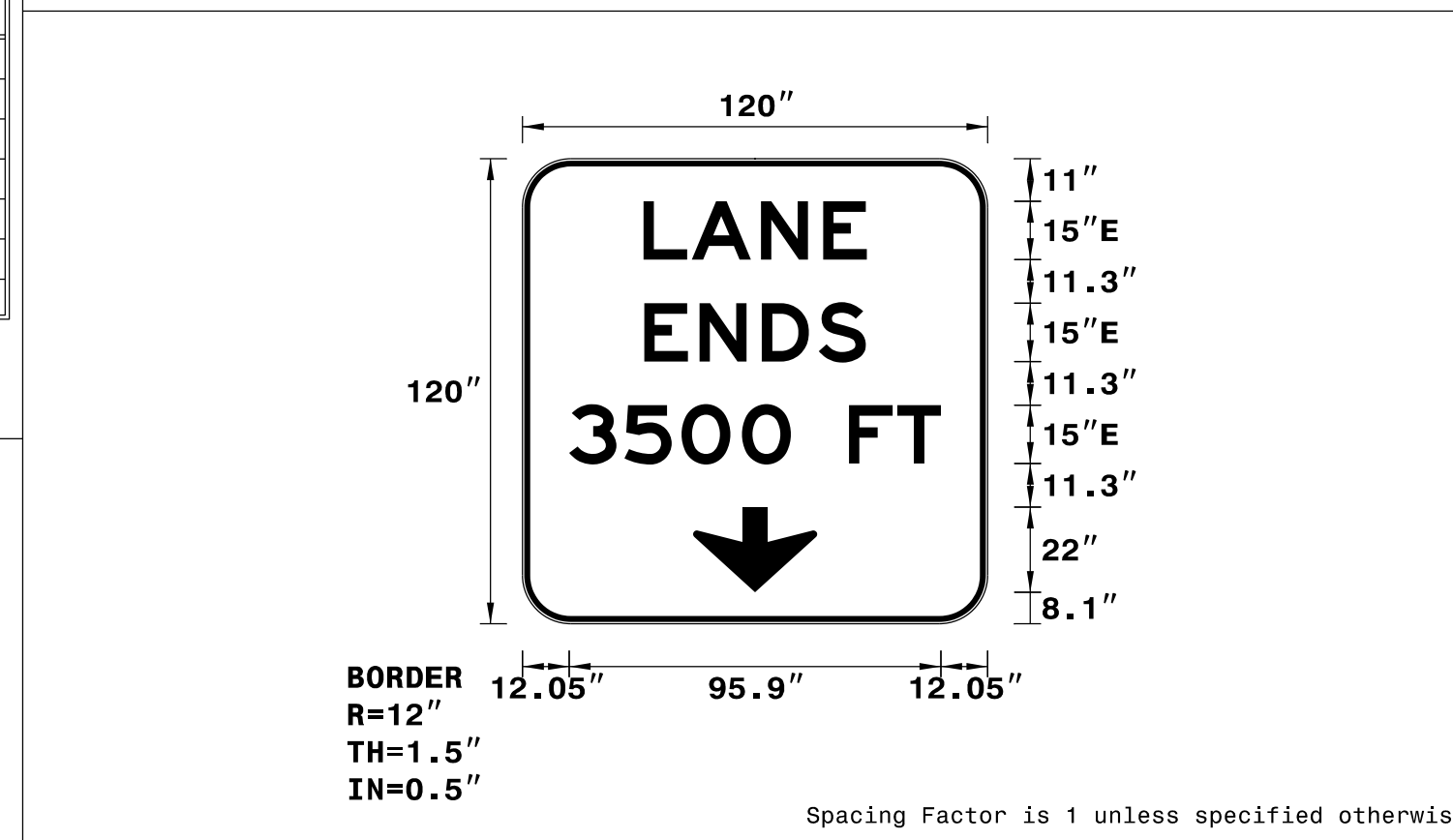
Series/Size	Text Length
L	2000
31.2	12.4
A	17.9
N	16.1
E	11.3
31.2	
E	2000
31.4	14.2
N	16.1
D	14.7
S	12.2
31.4	
1	2000
14.5	7.1
4	17.1
O	15.6
15	12.5
11.3	14.5

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

SIGN NUMBER: 49
 TYPE: A
 QUANTITY: 1
 SIGN WIDTH: 10'-0"
 HEIGHT: 10'-0"
 TOTAL AREA: 100.0 Sq.Ft.
 BORDER TYPE: RECESSED
 RECESS: 0.5"
 WIDTH: 1.5"
 RADII: 12"
 NO. Z BARS: 3
 LENGTH: 112.0

SYMBOL	X	Y	WID	HT
ARDOWN	44	8.1	32	22

DESIGN BY: R DRAYTON
 CHECKED BY: R KING
 Sep 22, 2020
 PROJECT ID: U-2579AB
 DIV: 9



USE NOTES: 1 & 2
 1. Legend and border shall be direct applied black non-reflective sheeting.
 2. Background shall be Grade C reflective sheeting.

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
L	2000
31.2	12.4
A	17.8
N	16.1
E	11.3
31.2	
E	2000
31.4	14.3
N	16
D	14.7
S	12.2
31.4	
3	2000
12.1	14.3
5	14.7
O	15.6
15	12.4
11.3	12.1

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

10/13/2021

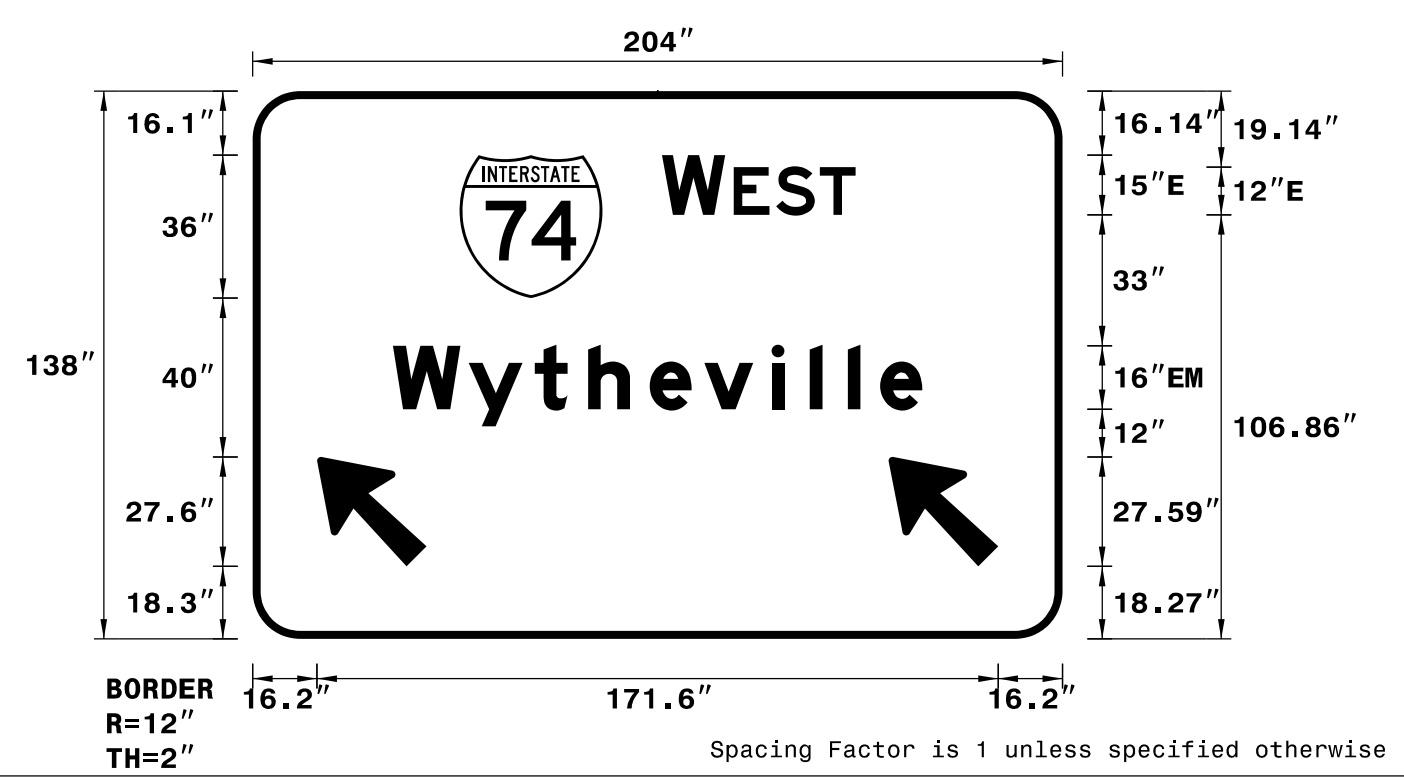
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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: 50
TYPE: A
QUANTITY: 1
BACKG COLOR: Green
COPY COLOR: White
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
MAT'L: 0.125" (3.2 mm) ALUMINUM

SYMBOL	X	Y	WID	HT
M1_1	52.1	85.9	36	36
AR_Type A	16.2	18.3	22.3	35
AR_Type A	160.2	18.3	22.3	35

DESIGN BY: R DRAYTON
CHECKED BY: R KING
Oct 16, 2020
PROJECT ID: U-2579AB
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

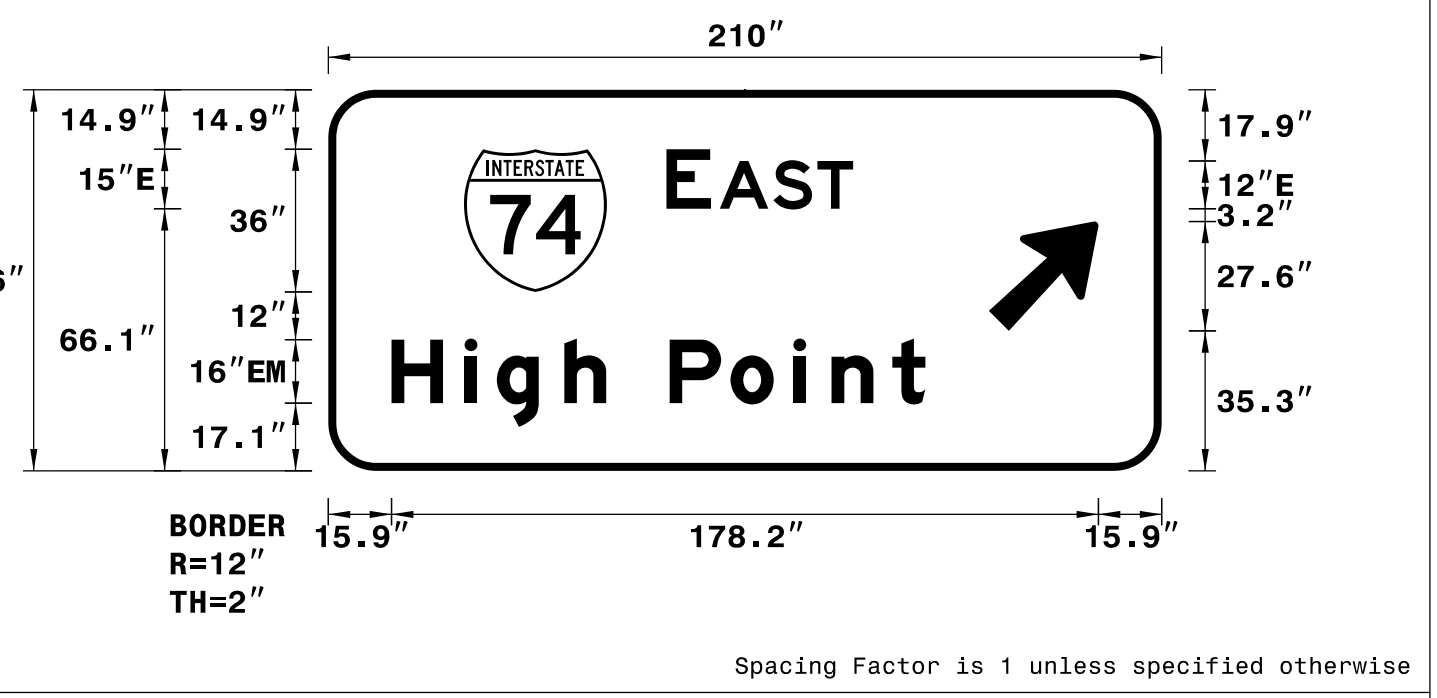
Series/Size	Text Length
E 2000	48.8
EM 2000	133.3

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

SIGN NUMBER: 51
TYPE: A
QUANTITY: 1
BACKG COLOR: Green
COPY COLOR: White
SIGN WIDTH: 17'-6"
HEIGHT: 8'-0"
TOTAL AREA: 140.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 12"
NO. Z BARS: 3
LENGTH: 202.0
MAT'L: 0.125" (3.2 mm) ALUMINUM

SYMBOL	X	Y	WID	HT
M1_1	34.2	45.1	36	36
AR_Type A	166.5	35.3	22.3	35

DESIGN BY: R DRAYTON
CHECKED BY: R KING
Dec 11, 2019
PROJECT ID: U-2579AB
DIV: 9



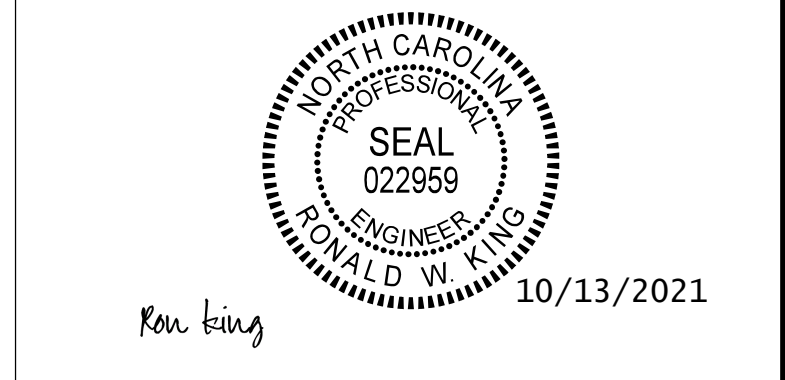
USE NOTES: 1, 2 & 3
 1. Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
 2. Background shall be Grade C reflective sheeting.
 3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
E 2000	47.1
EM 2000	134.6

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

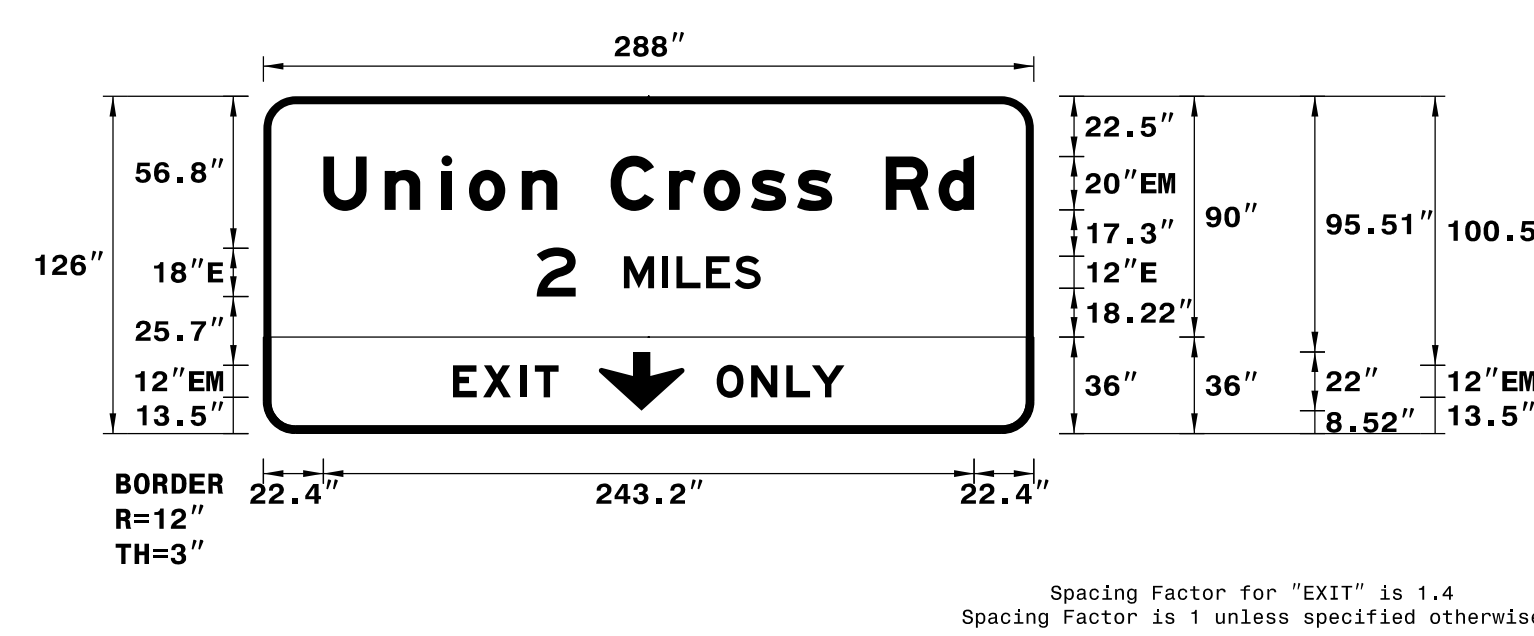


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HDR HDR Engineering, Inc. of the Carolinas
 555 Fayetteville St. Suite 900 Raleigh, N.C. 27601
 N.C.B.E.L.S. License Number: F-0116

SIGN NUMBER: 52B
TYPE: A
QUANTITY: 1
BACKG COLOR: Green
COPY COLOR: White
SIGN WIDTH: 24'-0"
HEIGHT: 10'-6"
TOTAL AREA: 252.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 3"
RADII: 12"
NO. Z BARS: 3
LENGTH: 280.0
MAT'L: 0.125" (3.2 mm) ALUMINUM

SYMBOL	X	Y	WID	HT
ARDOWN	125.4	8.5	32	22

DESIGN BY: R DRAYTON
CHECKED BY: R KING
Oct 18, 2020
PROJECT ID: U-2579AB
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

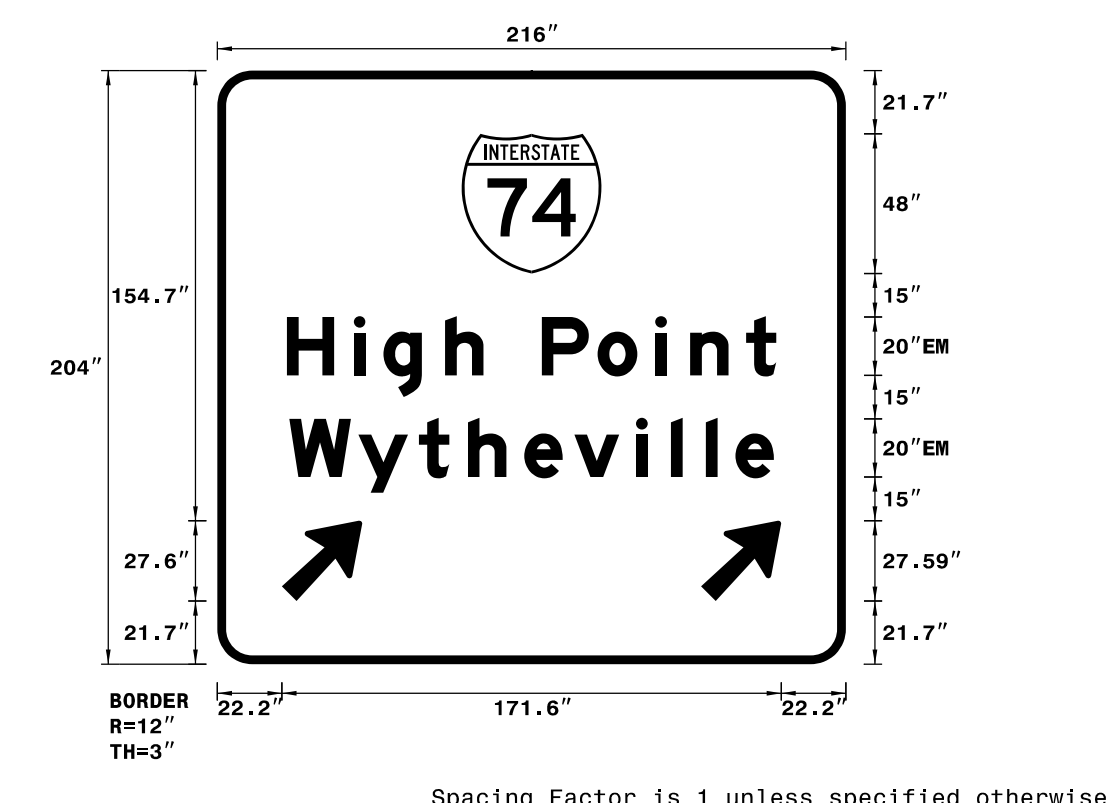
Series/Size	Text Length
EM 2000	243.2
E 2000	83.7
EM 2000	39.5
EM 2000	47.8

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

SIGN NUMBER: 53B
TYPE: A
QUANTITY: 1
BACKG COLOR: Green
COPY COLOR: White
SIGN WIDTH: 18'-0"
HEIGHT: 17'-0"
TOTAL AREA: 306.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 3"
RADII: 12"
NO. Z BARS: 6
LENGTH: 208.0
MAT'L: 0.125" (3.2 mm) ALUMINUM

SYMBOL	X	Y	WID	HT
M1_1	84	134.3	48	48
AR_Type A	22.2	21.7	22.3	35
AR_Type A	166.2	21.7	22.3	35

DESIGN BY: R DRAYTON
CHECKED BY: R KING
Oct 21, 2020
PROJECT ID: U-2579AB
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"

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
EM 2000	168.2
EM 2000	166.6

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

SIGN NUMBER: 55B BACKG COLOR: Green
 TYPE: A COPY COLOR: White
 QUANTITY: 1

SYMBOL	X	Y	WID	HT
M1_1	81	121.4	48	48

SIGN WIDTH: 17'-6"
 HEIGHT: 16'-0"
 TOTAL AREA: 280.0 Sq.Ft.

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

NO. Z BARS: 6
 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.
- Bottom panel shall be yellow Grade C sheeting on background with black recessed border. THICKNESS: 1.5" RECESS: 0.5"

DESIGN BY: R DRAYTON CHECKED BY: R KING Oct 21, 2020
 PROJECT ID: U-2579AB DIV: 9

LETTER POSITIONS

Letter spacings are to start of next letter												Series/Size	Text Length
	H	i	g	h	P	o	i	n	t				EM 2000
	20.9	23	10.2	21.2	13.2	20	19.2	19.8	12	19.2	10.4	20.9	168.2
	21.7	23.8	20.8	16.8	19.4	17.2	21.2	12	12	10.2	13.2	21.7	166.6
	1/2		M	I	L	E							E 2000
	63	26.4	18	14.4	5.3	11	9	63					84.1

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

SIGN NUMBER: 57 BACKG COLOR: Yellow
 TYPE: A COPY COLOR: Black
 QUANTITY: 1

SYMBOL	X	Y	WID	HT
ARNDOWN	44	8.1	32	22

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

BORDER TYPE: RECESSED
 RECESS: 0.5"
 WIDTH: 1.5"
 RADII: 12"

NO. Z BARS: 3 MAT'L: 0.125" (3.2 mm) ALUMINUM
 LENGTH: 112.0

USE NOTES: 1 & 2

- Legend and border shall be direct applied black non-reflective sheeting.
- Background shall be Grade C reflective sheeting.

DESIGN BY: R DRAYTON CHECKED BY: R KING Oct 20, 2020
 PROJECT ID: U-2579AB DIV: 9

LETTER POSITIONS

Letter spacings are to start of next letter												Series/Size	Text Length
	L	A	N	E									E 2000
	31.2	12.4	17.9	16	11.3	31.2							57.6
	31.4	14.3	16.1	14.7	12.2	31.4							57.2
	15.4	7.5	14.7	15.6	12.6	15	12.4	11.3	15.4				89.1

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

SIGN NUMBER: 58 BACKG COLOR: Yellow
 TYPE: A COPY COLOR: Black
 QUANTITY: 1

SYMBOL	X	Y	WID	HT
ARNDOWN	44	8.1	32	22

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

BORDER TYPE: RECESSED
 RECESS: 0.5"
 WIDTH: 1.5"
 RADII: 12"

NO. Z BARS: 3 MAT'L: 0.125" (3.2 mm) ALUMINUM
 LENGTH: 112.0

USE NOTES: 1 & 2

- Legend and border shall be direct applied black non-reflective sheeting.
- Background shall be Grade C reflective sheeting.

DESIGN BY: R DRAYTON CHECKED BY: R KING Oct 20, 2020
 PROJECT ID: U-2579AB DIV: 9

LETTER POSITIONS

Letter spacings are to start of next letter												Series/Size	Text Length
	L	A	N	E									E 2000
	31.2	12.4	17.9	16	11.3	31.2							57.6
	31.4	14.3	16.1	14.7	12.2	31.4							57.2
	12.8	14.3	14.3	14.7	12.6	15	12.4	11.3	12.7				94.5

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

SIGN NUMBER: 54B BACKG COLOR: Green
 TYPE: A COPY COLOR: White
 QUANTITY: 1

SYMBOL	X	Y	WID	HT
M1-5-3-24-7C	71	68.7	36	36

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 MAT'L: 0.125" (3.2 mm) ALUMINUM
 LENGTH: 232.0

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.

DESIGN BY: R DRAYTON CHECKED BY: R KING Feb 07, 2020
 PROJECT ID: U-2579AB DIV: 9

LETTER POSITIONS

Letter spacings are to start of next letter												Series/Size	Text Length
	E	A	S	T									E 2000
	122	11.3	2.2	13.6	11	9	71						47.1
	16.9	10.7	10.1	202.4									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	171.5
	2		M	I	L	E	S						171.5
	85.1	12.2	15	12	4.4	9.2	8.9	8.1	85.1				69.8

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

SIGN NUMBER: 59B BACKG COLOR: Green
 TYPE: A COPY COLOR: White
 QUANTITY: 1

SYMBOL	X	Y	WID	HT
M1_4	91.5	135.2	45	36
AR_Type A	28.9	6.6	20	31.5
AR_Type A	174.3	6.6	20	31.5

SIGN WIDTH: 19'-0"
 HEIGHT: 16'-0"
 TOTAL AREA: 304.0 Sq.Ft.

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

NO. Z BARS: 6 MAT'L: 0.125" (3.2 mm) ALUMINUM
 LENGTH: 220.0

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"

DESIGN BY: R DRAYTON CHECKED BY: R KING Nov 17, 2020
 PROJECT ID: U-2579AB DIV: 9

LETTER POSITIONS

Letter spacings are to start of next letter												Series/Size	Text Length
	K	e	r	n	e	r	s	v	i	l	l	e	EM 2000
	37.8	15.2	15.5	11.8	15.5	15.5	10.1	13.8	17	9.6	9.6	8.2	152.3
	16.9	20.8	9.6	15.2	13.9	12	15.8	10.6	8	5.6	8	16.5	194.2
	79	22	15	12	4.4	9.2	7.5	79					70.1
	65.7	11.2	14	5.4	8.9	122.8							39.5
	114.4	13	13.1	9.6	12.1	65.7							47.9

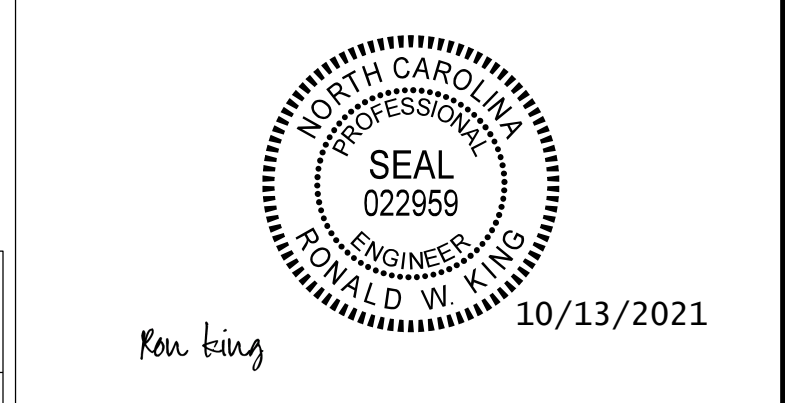
FILENAME: SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

PROJECT REFERENCE NO. SHEET NO.
 U-2579AB SIGN-40

10/13/2021

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 555 Fayetteville St. Suite 900 Raleigh, N.C. 27601
 N.C.B.E.L.S. License Number: F-0116



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555 Fayetteville St. Suite 900 Raleigh, N.C. 27601
N.C.B.E.L.S. License Number: F-0116

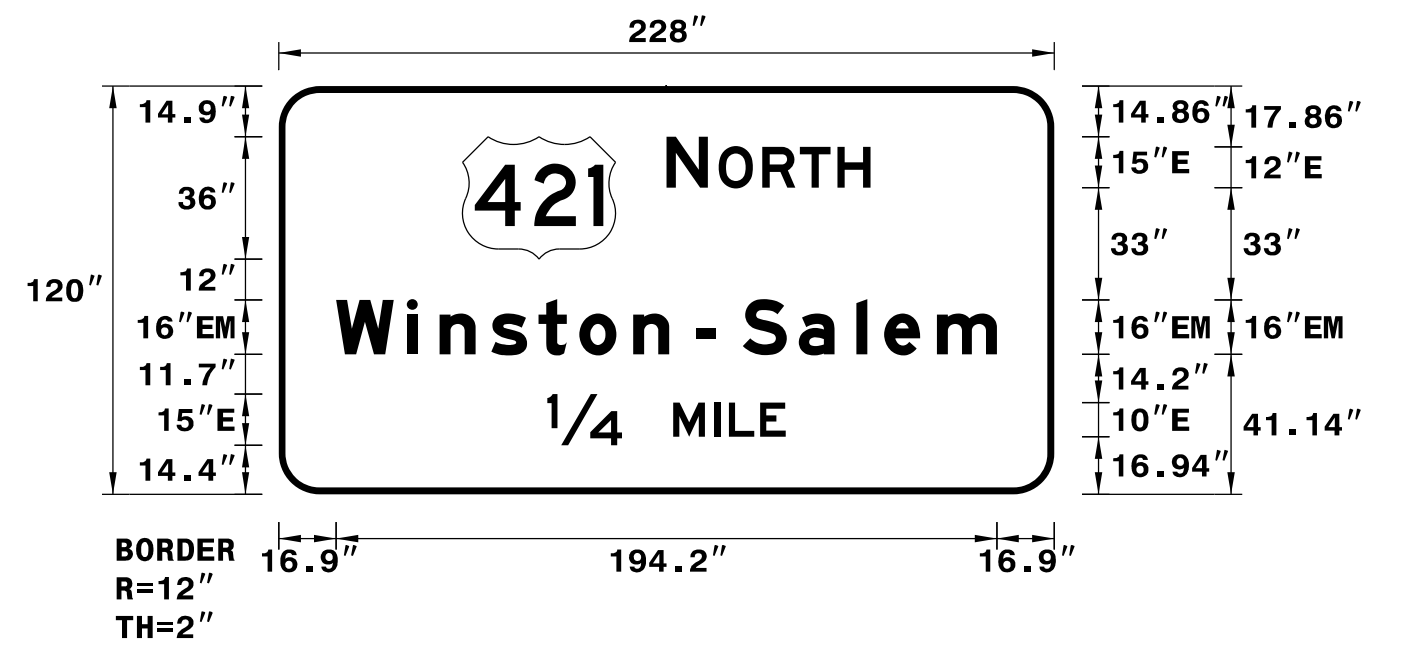
SIGN NUMBER: 60B
TYPE: A
QUANTITY: 1
SIGN WIDTH: 19'-0"
HEIGHT: 10'-0"
TOTAL AREA: 190.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 12"
NO. Z BARS: 3
LENGTH: 220.0

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
M1_4	54	69.1	45	36

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON
PROJECT ID: U-2579AB
CHECKED BY: R KING
Nov 17, 2020
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		
	N		O	R	T	H									E 2000		
114	12.2	3.1	12.8	11	11	9.7	54								59.9		
	W	i	n	s	t	o	n	-	S	a	l	e	m		EM 2000		
16.9	20.8	9.6	15.2	13.9	12	15.8	10.6	8	5.6	8	16.5	17	8.2	15.5	17.6	16.9	194.2
	1/4	M	I	L	E												E 2000
79	22	15	12	4.4	9.2	7.5	79										70.1

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

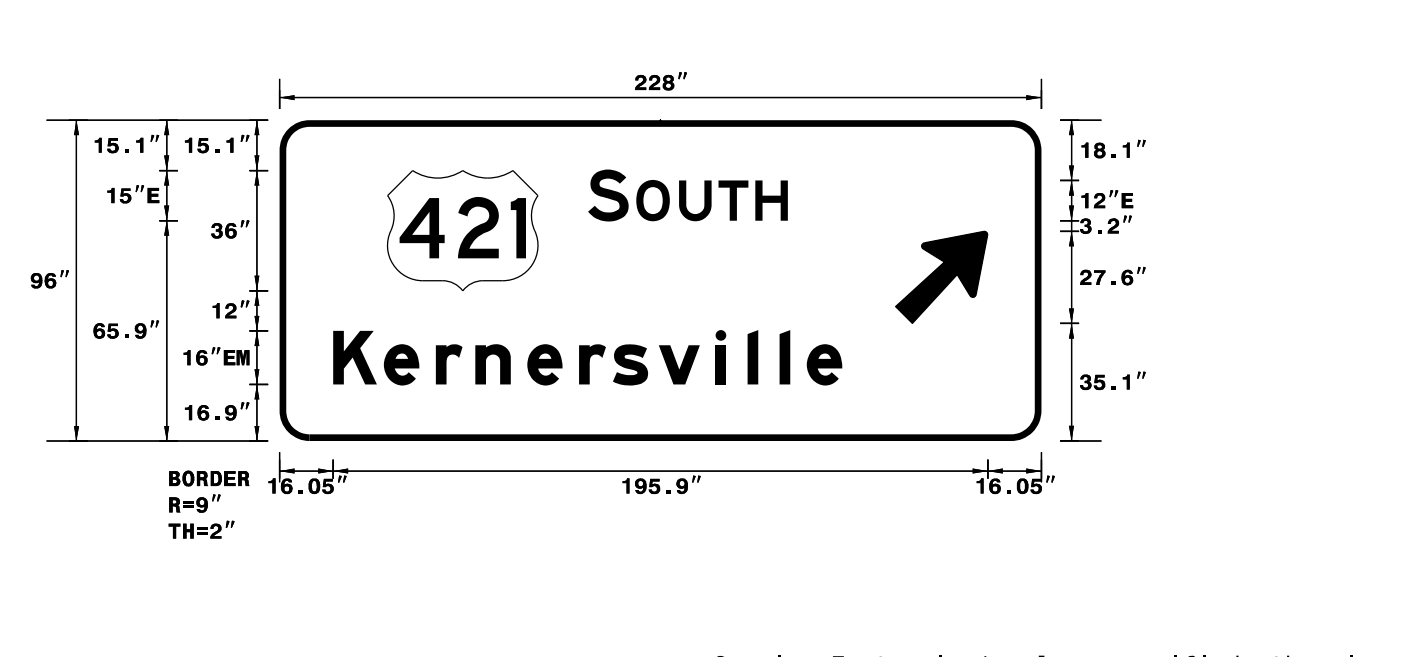
SIGN NUMBER: 61B
TYPE: A
QUANTITY: 1
SIGN WIDTH: 19'-0"
HEIGHT: 8'-0"
TOTAL AREA: 152.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 9"
NO. Z BARS: 3
LENGTH: 220.0

BACKG COLOR: Green
COPY COLOR: Yellow

SYMBOL	X	Y	WID	HT
M1_4	32.3	44.9	45	36
AR_Type A	184.4	35.2	22.2	35

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON
PROJECT ID: U-2579AB
CHECKED BY: R KING
Nov 17, 2020
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
	S		O	U	T	H									E 2000
92.3	12.2	2.2	12.8	11.8	11	9.7	75.9								59.8
	K	e	r	n	e	r	s	v	i	l	l	e			EM 2000
16.1	15.2	15.5	11.8	15.5	15.5	10.1	13.8	17	9.6	9.6	8.2	10.6	59.6		152.3

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

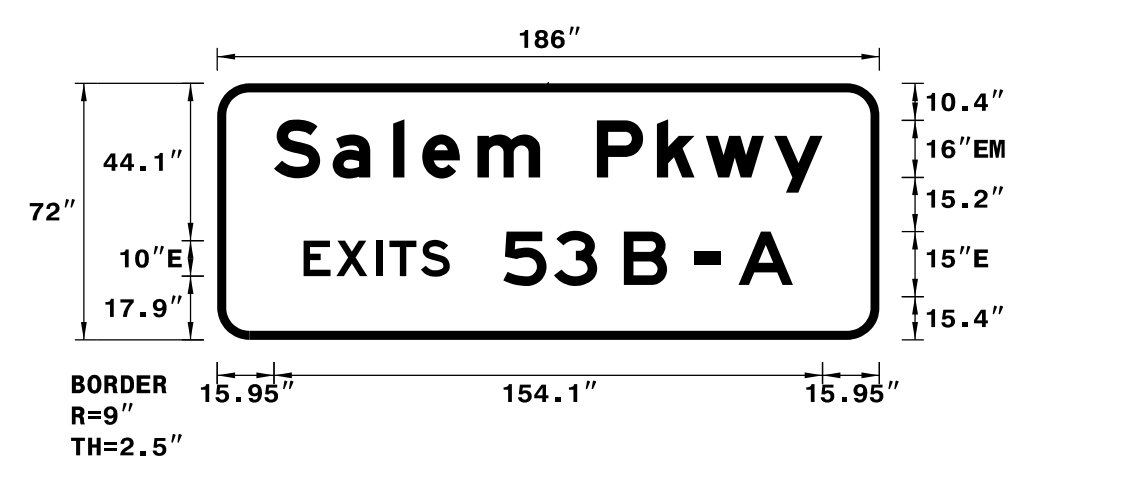
SIGN NUMBER: 101
TYPE: A
QUANTITY: 1
SIGN WIDTH: 15'-6"
HEIGHT: 6'-0"
TOTAL AREA: 93.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2.5"
RADII: 9"
NO. Z BARS: 2
LENGTH: 178.0

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
M1_1	36.5	140.4	24	24
M1_1	35.7	54.5	24	24

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON
PROJECT ID: U-2579AB
CHECKED BY: R KING
Oct 16, 2020
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.

LETTER POSITIONS

Letter spacings are to start of next letter															Series/Size
															Text Length
	S	a	l	e	m	P	k	w	y						EM 2000
16	16.5	17	8.2	15.5	17.6	16	16.8	13.8	19.2	13.6	16				154.1
	E	X	I	T	S										E 2000
24.3	9.2	11.1	3.8	8.8	8.1	120.7									41.1
	5	3	B	-	A										E 2000
80.3	14.2	12.2	7.5	12.2	7.5	7.5	5	15.3	24.3						81.4

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

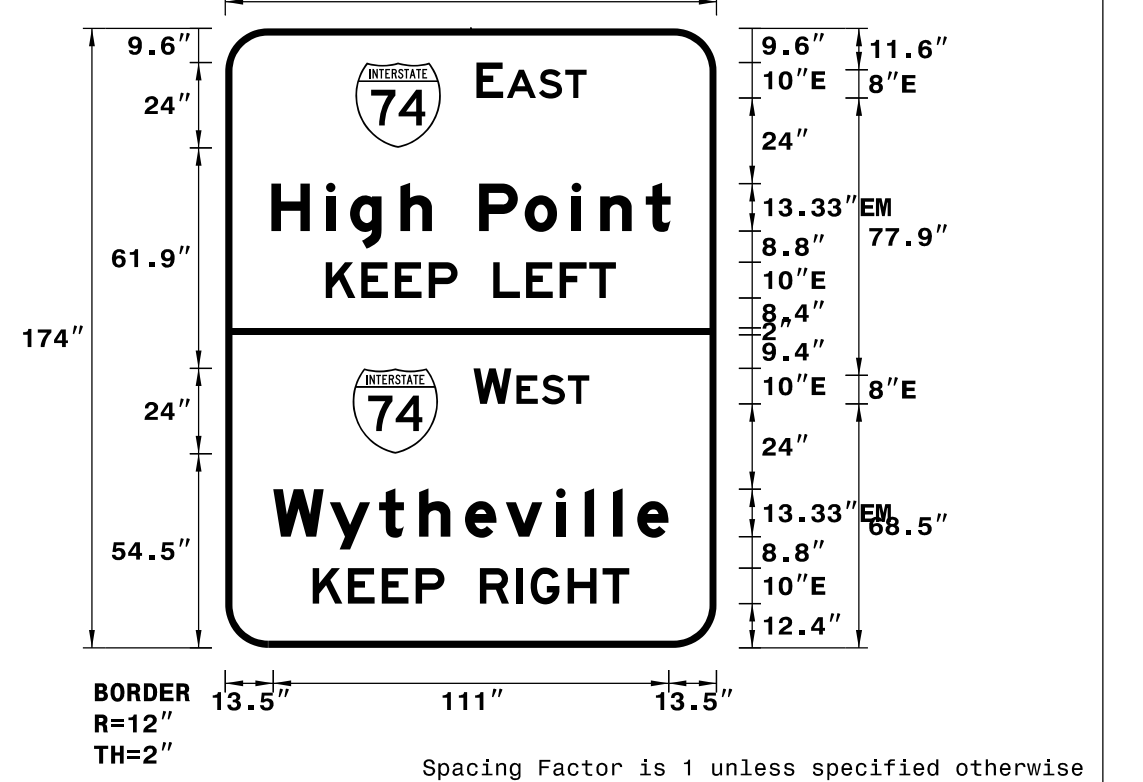
SIGN NUMBER: 102
TYPE: A
QUANTITY: 1
SIGN WIDTH: 11'-6"
HEIGHT: 14'-6"
TOTAL AREA: 166.8 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 12"
NO. Z BARS: 5
LENGTH: 130.0

BACKG COLOR: Green/Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
M1_1	36.5	140.4	24	24
M1_1	35.7	54.5	24	24

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON
PROJECT ID: U-2579AB
CHECKED BY: R KING
Dec 02, 2019
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.

LETTER POSITIONS

Letter spacings are to start of next letter															Series/Size
															Text Length
	E	A	S	T											E 2000
70.5	7.5	1	9	7.4	6	36.5									30.9
	H	i	g	h	P	o	i	n	t						EM 2000
12.9	15.3	6.8	14.1	8.8	13.3	12.8	13.2	8	12.8	6.9	12.9				112.1
	K	E	E	P	L	E	F	T							E 2000
28.3	9.9	9.5	9.5	8.1	10	9.2	9.5	8.3	7.5	28.3					81.5
	W	E	S	T											E 2000
69.7	10.6	1.4	7.1	7.4	6	35.7									32.5
	W	y	t	h	e	v	i	l	l	e					EM 2000
13.5	15.9	13.9	11.2	12.9	11.5	14.1	8	8	6.8	8.8	13.5				111
	K	E	E	P	R	I	G	H	T						E 2000
24.6	9.9	9.5	9.5	8.1	10	10.1	4.1	10.4	9.8	7.5	24.5				88.9

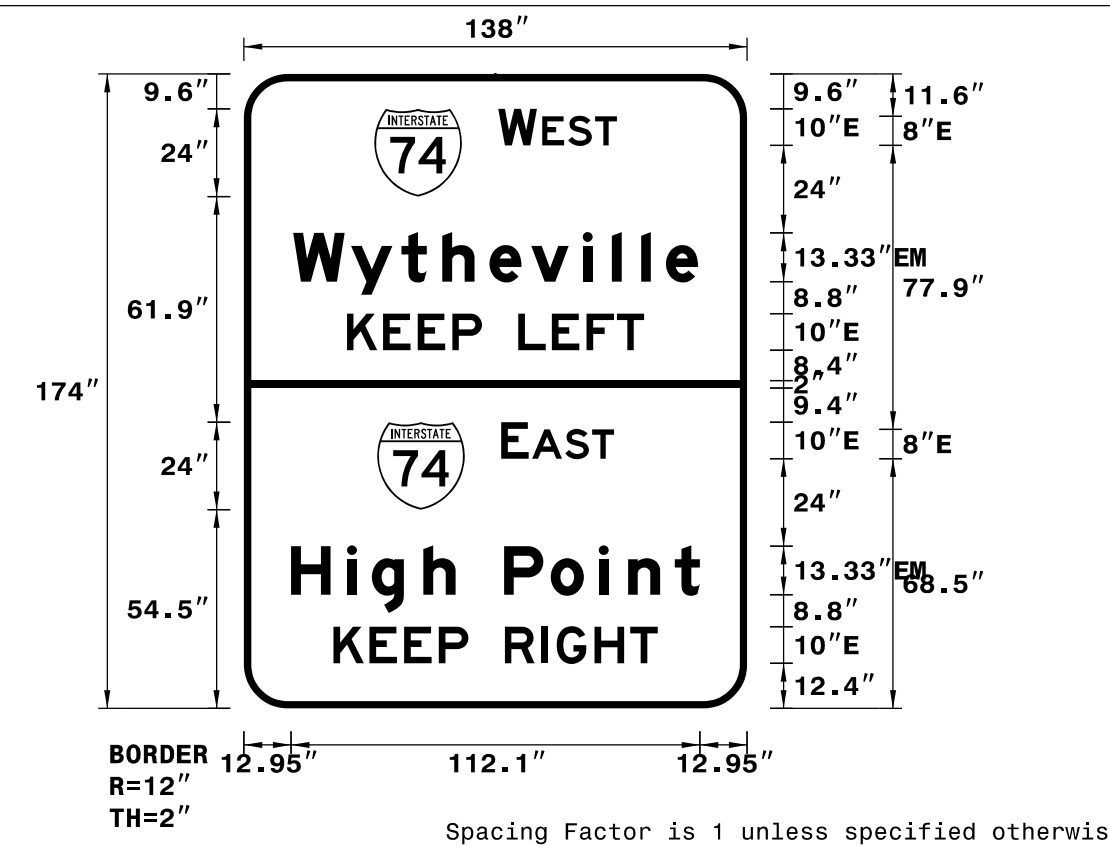
FILENAME: SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 103
 TYPE: A
 QUANTITY: 1
 SIGN WIDTH: 11'-6"
 HEIGHT: 14'-6"
 TOTAL AREA: 166.8 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 12"
 NO. Z BARS: 5
 LENGTH: 130.0

SYMBOL	X	Y	WID	HT
M1_1	35.7	140.4	24	24
M1_1	36.5	54.5	24	24

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.

DESIGN BY: R DRAYTON
 PROJECT ID: U-2579AB
 CHECKED BY: R KING
 Dec 02, 2019
 DIV: 9



LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
E 2000	32.5
EM 2000	111
E 2000	81.5
E 2000	30.9
EM 2000	112.1
E 2000	88.9

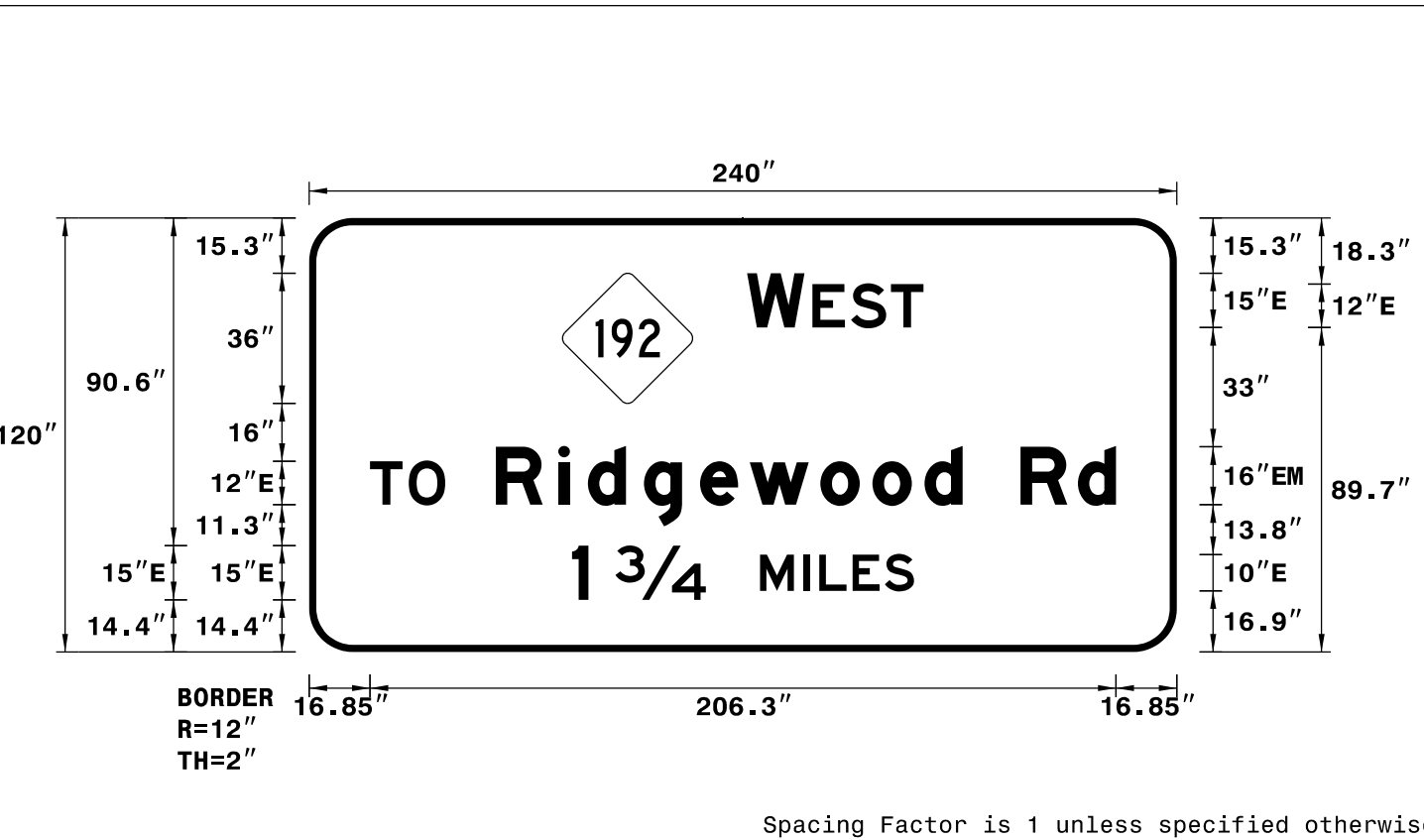
FILENAME: SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 104B
 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

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.

DESIGN BY: R DRAYTON
 PROJECT ID: U-2579AB
 CHECKED BY: R KING
 Dec 02, 2019
 DIV: 9



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	94.6

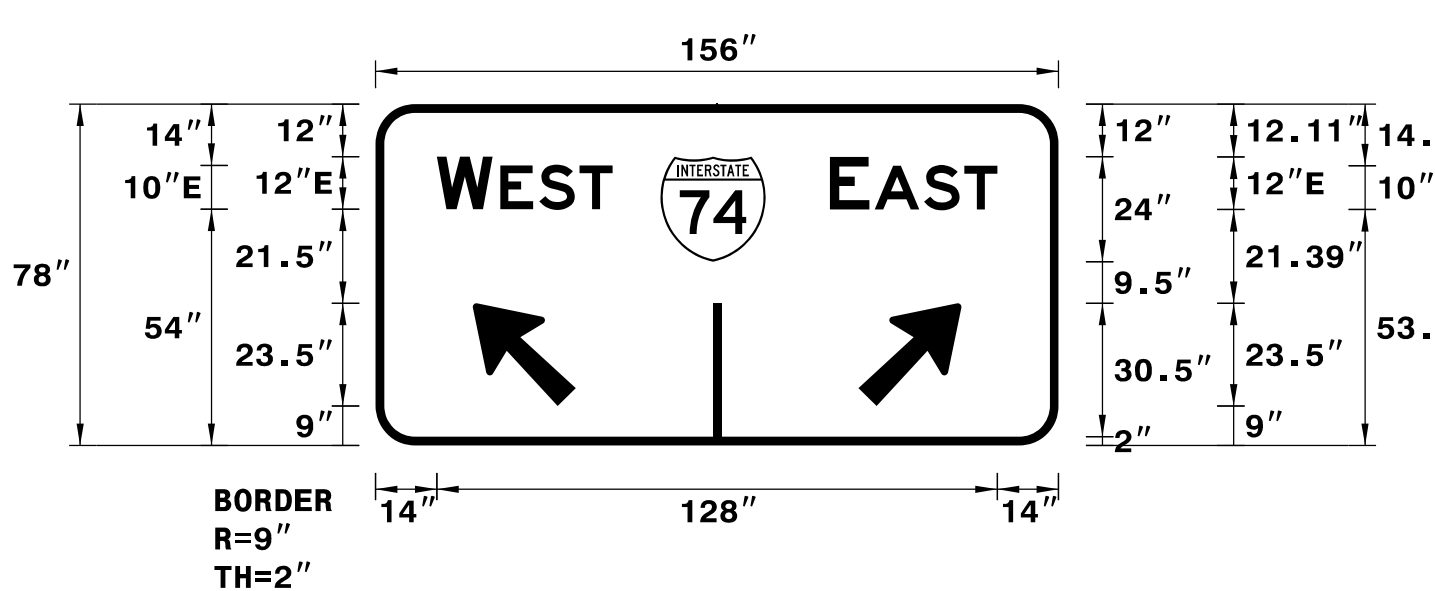
FILENAME: SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 105
 TYPE: A
 QUANTITY: 1
 SIGN WIDTH: 13'-0"
 HEIGHT: 6'-6"
 TOTAL AREA: 84.5 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 9"
 NO. Z BARS: 2
 LENGTH: 148.0

SYMBOL	X	Y	WID	HT
M1_1	65.1	42	24	24
Type A Arrow	22.2	9	18.3	30
Type A Arrow	110.3	9	18.3	30

NOTES:
 1. Legend and border shall be direct applied Grade C reflective sheeting.
 2. Arrows and shields shall be Grade C reflective sheeting on 0.032" aluminum and demountable.
 3. Background shall be Grade C reflective sheeting.

DESIGN BY: R DRAYTON
 PROJECT ID: U-2579AB
 CHECKED BY: R KING
 Oct 20, 2020
 DIV: 9



LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
E 2000	40.1
E 2000	38.2

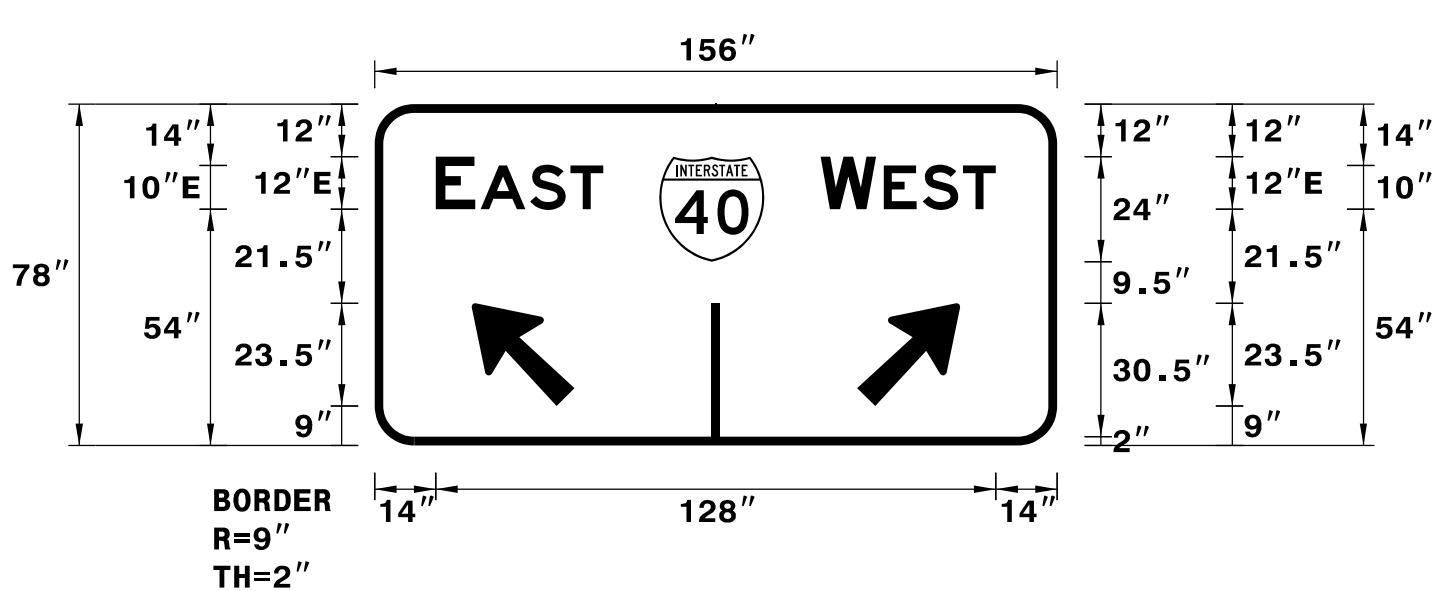
FILENAME: SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 106
 TYPE: A
 QUANTITY: 1
 SIGN WIDTH: 13'-0"
 HEIGHT: 6'-6"
 TOTAL AREA: 84.5 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 9"
 NO. Z BARS: 2
 LENGTH: 148.0

SYMBOL	X	Y	WID	HT
M1_1	65.1	42	24	24
Type A Arrow	22.2	9	18.3	30
Type A Arrow	110.3	9	18.3	30

NOTES:
 1. Legend and border shall be direct applied Grade C reflective sheeting.
 2. Arrows and shields shall be Grade C reflective sheeting on 0.032" aluminum and demountable.
 3. Background shall be Grade C reflective sheeting.

DESIGN BY: R DRAYTON
 PROJECT ID: U-2579AB
 CHECKED BY: R KING
 Oct 20, 2020
 DIV: 9



LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
E 2000	38.2
E 2000	40.1

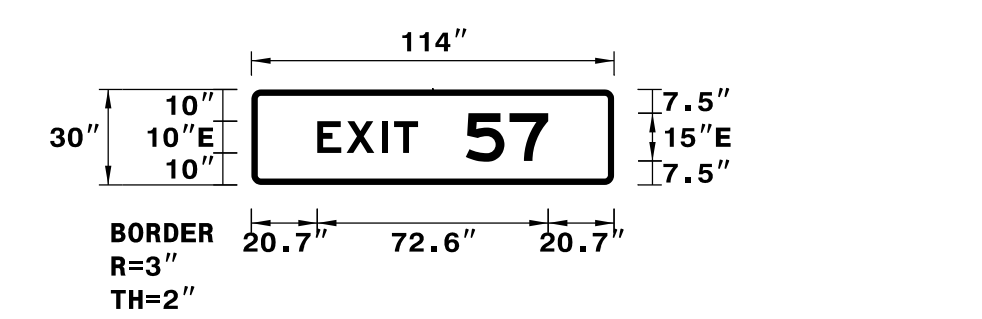
FILENAME: SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 104A
 TYPE: B
 QUANTITY: 1
 SIGN WIDTH: 9'-6"
 HEIGHT: 2'-6"
 TOTAL AREA: 23.6 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 3"
 NO. Z BARS: 2
 LENGTH: 106.0

SYMBOL	X	Y	WID	HT
M1_1	35.7	140.4	24	24

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.

DESIGN BY: R DRAYTON
 PROJECT ID: U-2579AB
 CHECKED BY: R KING
 Sep 10, 2020
 DIV: 9



LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
E 2000	31.6
E 2000	26

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

PROJECT REFERENCE NO. U-2579AB SHEET NO. SIGN-4Q

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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 DESIGNS



10/13/2021

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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: 107
TYPE: A
QUANTITY: 1
SIGN WIDTH: 13'-0"
HEIGHT: 6'-6"
TOTAL AREA: 84.5 Sq.Ft.

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
M1_1	65.1	42	24	24
Type A Arrow	22.2	9	18.3	30
Type A Arrow	110.3	9	18.3	30

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

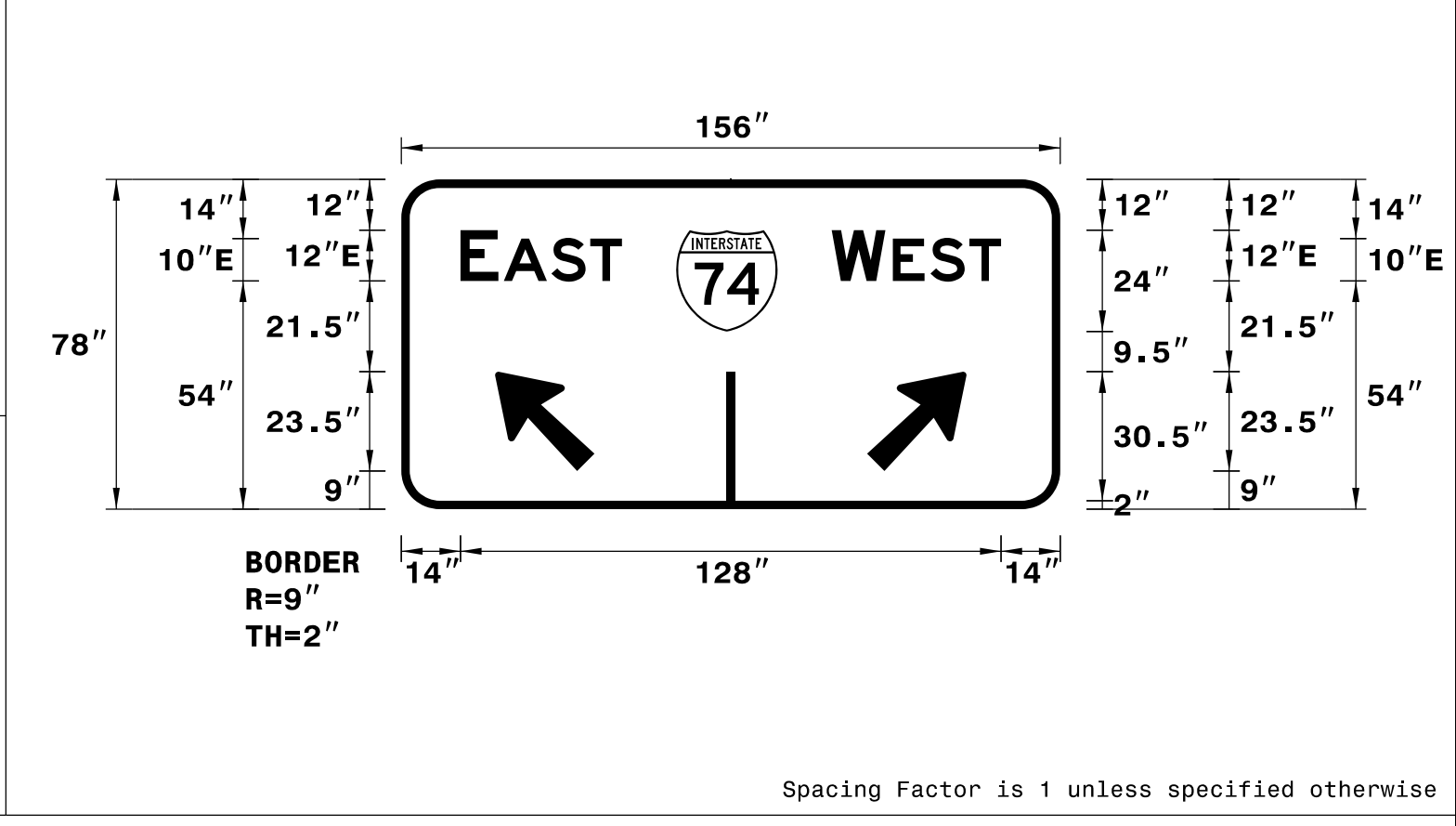
NO. Z BARS: 2
LENGTH: 148.0

MAT'L: 0.063" (1.6 mm) ALUMINUM

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

CHECKED BY: R KING

Oct 20, 2020
DIV: 9



NOTES:

- Legend and border shall be direct applied Grade C reflective sheeting.
- Arrows and shields shall be Grade C reflective sheeting on 0.032" aluminum and demountable.
- Background shall be Grade C reflective sheeting.

LETTER POSITIONS

Letter spacings are to start of next letter

	E	A	S	T		Series/Size		
						Text Length		
	14	9	1.2	11.3	9.2	7.5	103.8	E 2000
								38.2
		W	E	S	T			E 2000
	101.9	12.7	1.8	8.9	9.2	7.5	14	40.1

FILENAME: SignDesigns

NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 201 & 202
TYPE: A
QUANTITY: 2
SIGN WIDTH: 6'-6"
HEIGHT: 5'-0"
TOTAL AREA: 32.5 Sq.Ft.

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
AR_Type A	49	6	18.3	29.3

BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 1.5"
RADII: 6"

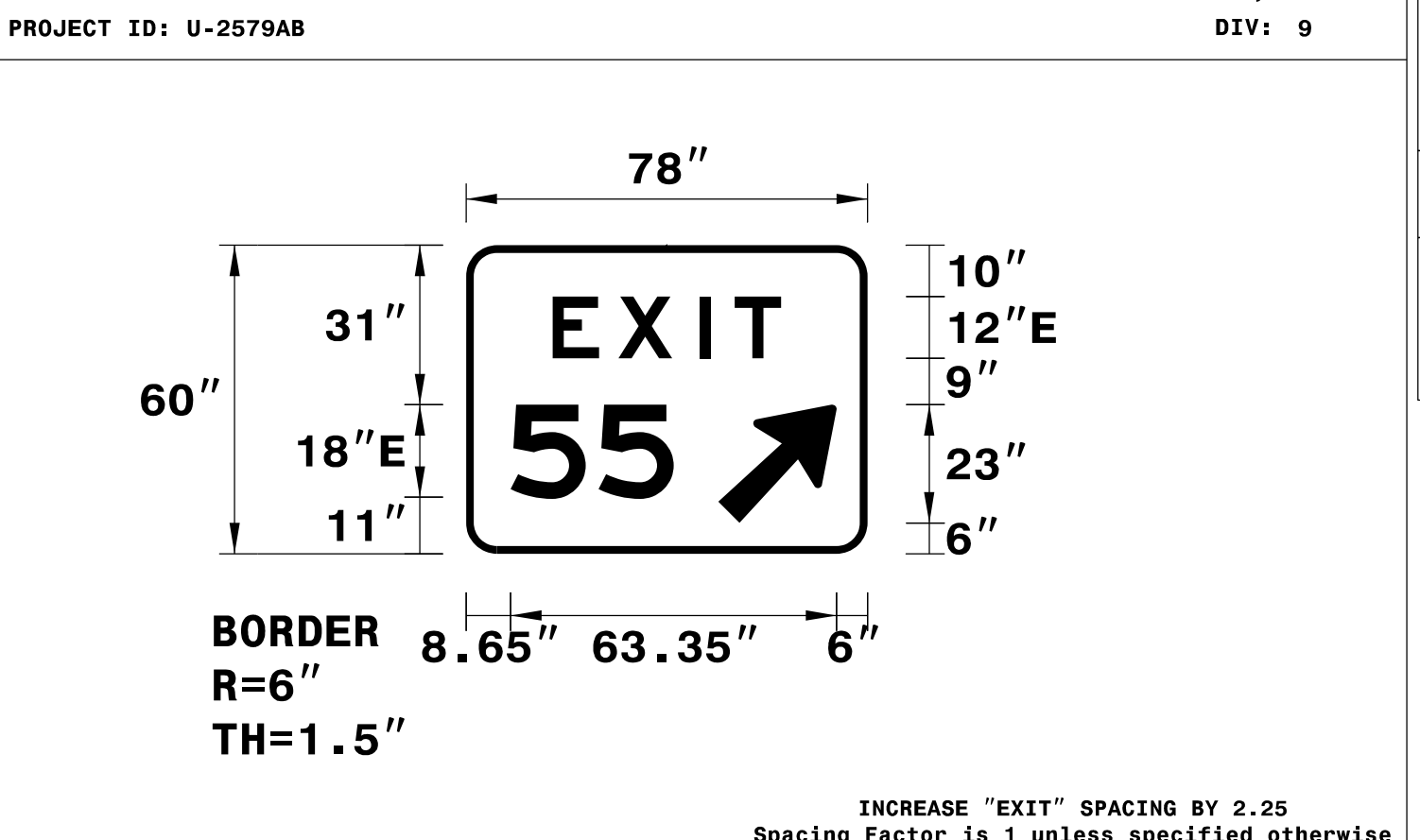
NO. Z BARS: 2
LENGTH: 70.0

MAT'L: 0.125" (3.2 mm) ALUMINUM

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

CHECKED BY: R KING

Dec 03, 2019
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 POSITIONS

Letter spacings are to start of next letter

	E	X	I	T		Series/Size		
						Text Length		
	16.8	12.8	15.8	6.8	9	16.8	E 2000	
							44.4	
		5	5					E 2000
	8.7	17.1	14.6	37.7				31.7

FILENAME: SignDesigns

NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 203
TYPE: A
QUANTITY: 1
SIGN WIDTH: 6'-6"
HEIGHT: 5'-0"
TOTAL AREA: 32.5 Sq.Ft.

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
AR_Type A	49	6	18.3	29.3

BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 1.5"
RADII: 6"

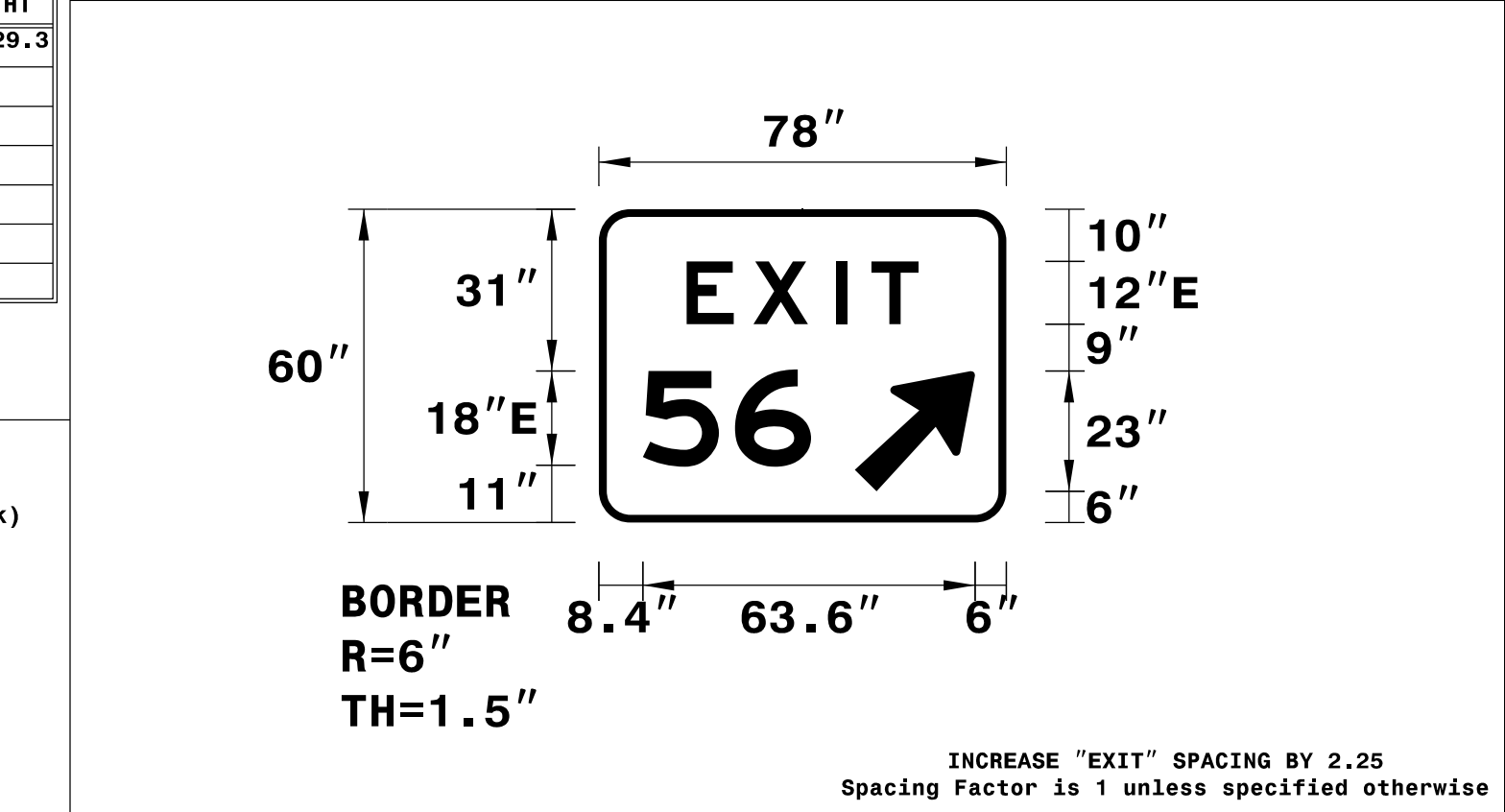
NO. Z BARS: 2
LENGTH: 70.0

MAT'L: 0.125" (3.2 mm) ALUMINUM

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

CHECKED BY: R KING

Dec 03, 2019
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 POSITIONS

Letter spacings are to start of next letter

	E	X	I	T		Series/Size		
						Text Length		
	16.8	12.8	15.8	6.8	9	16.8	E 2000	
							44.4	
		5	6					E 2000
	8.4	17.6	14.6	37.4				32.2

FILENAME: SignDesigns

NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 204, 208 & 209
TYPE: A
QUANTITY: 3
SIGN WIDTH: 6'-0"
HEIGHT: 5'-0"
TOTAL AREA: 30.0 Sq.Ft.

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
AR_Type A	24.5	6	18.3	29.3

BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 1.5"
RADII: 6"

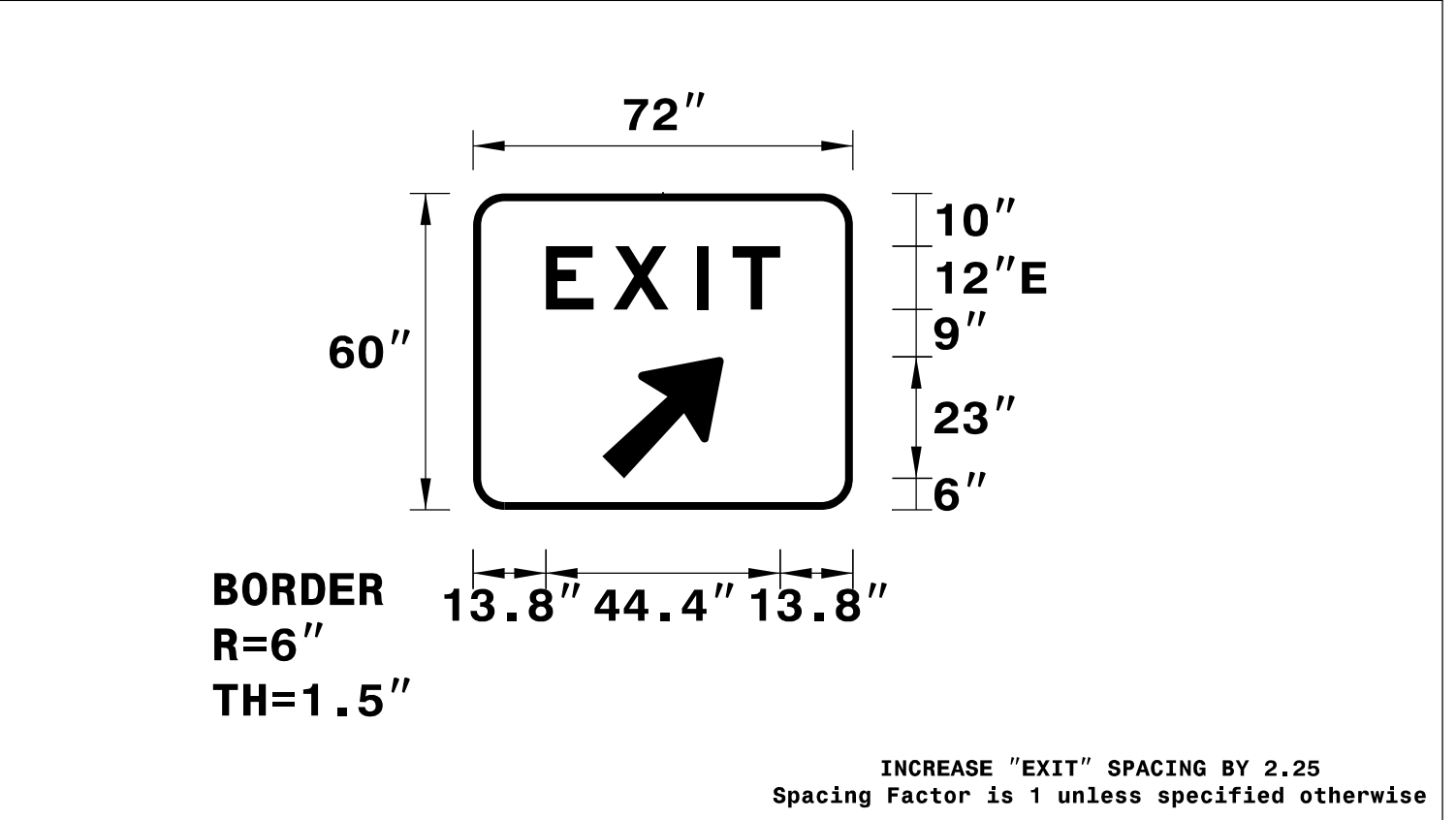
NO. Z BARS: 2
LENGTH: 64.0

MAT'L: 0.125" (3.2 mm) ALUMINUM

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

CHECKED BY: R KING

Dec 03, 2019
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 POSITIONS

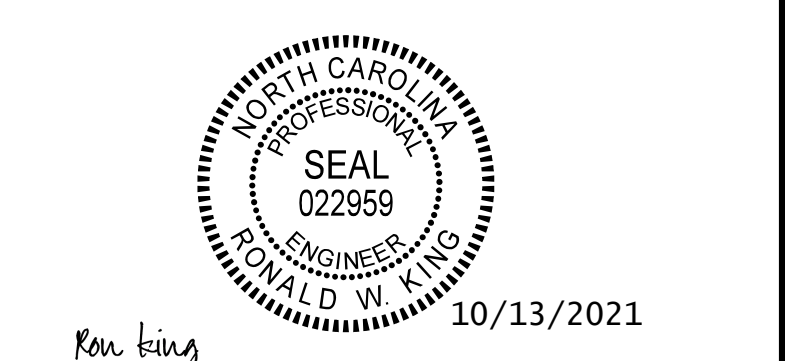
Letter spacings are to start of next letter

	E	X	I	T		Series/Size	
						Text Length	
	13.8	12.8	15.8	6.8	9	13.8	E 2000
							44.4

FILENAME: SignDesigns

NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN DESIGNS



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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

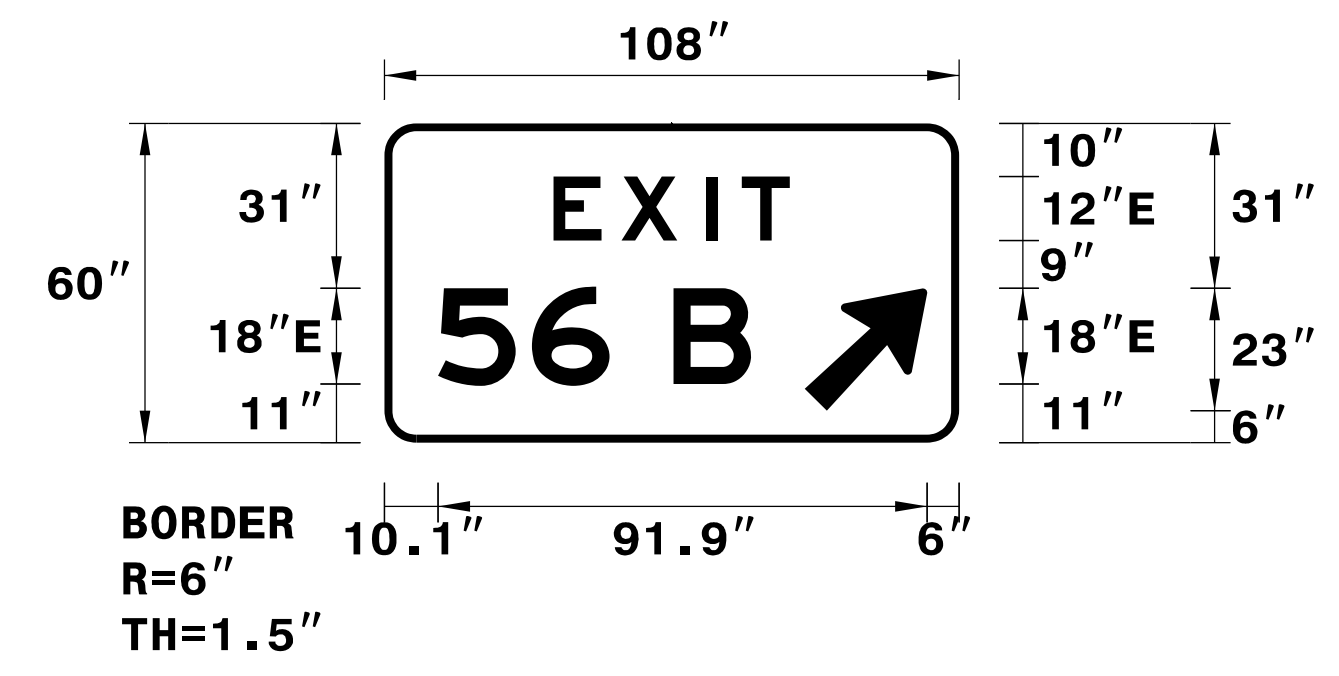
SIGN NUMBER: 205A
TYPE: A
QUANTITY: 1
SIGN WIDTH: 9'-0"
HEIGHT: 5'-0"
TOTAL AREA: 45.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 1.5"
RADII: 6"
NO. Z BARS: 2
LENGTH: 100.0

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
AR_Type A	79	6	18.3	29.3

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON
PROJECT ID: U-2579AB
CHECKED BY: R KING
Dec 03, 2019
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.

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
	31.8	12.8	15.8	6.8	9	31.8				E 2000
		5	6		B					44.4
	10.1	17.6	14.6	12	14.6	39.1				E 2000
										58.8

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

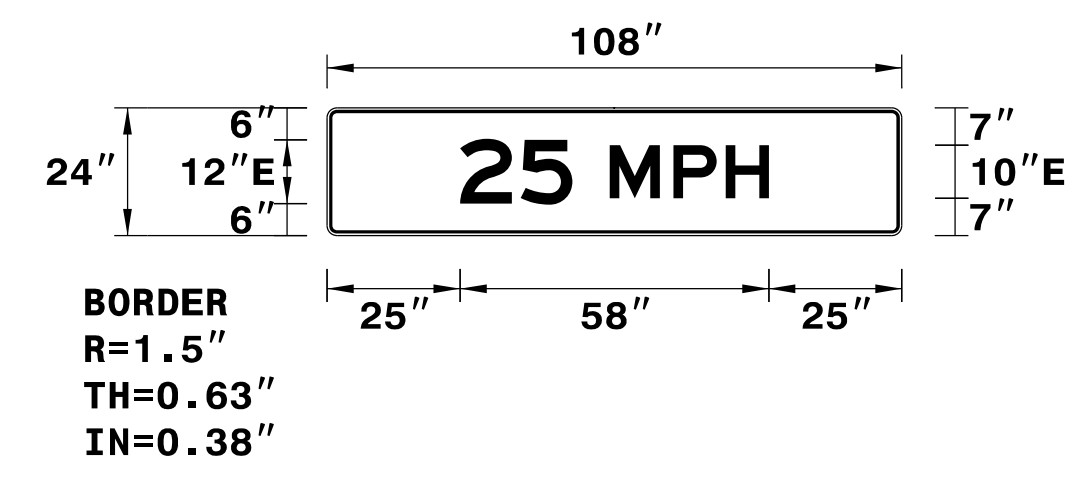
SIGN NUMBER: 205B
TYPE: B
QUANTITY: 1
SIGN WIDTH: 9'-0"
HEIGHT: 2'-0"
TOTAL AREA: 18.0 Sq.Ft.
BORDER TYPE: RECESSED
RECESS: 0.38"
WIDTH: 0.63"
RADII: 1.5"
NO. Z BARS: 2
LENGTH: 100.0

BACKG COLOR: Yellow
COPY COLOR: Black

SYMBOL	X	Y	WID	HT
AR_Type A	79	6	18.3	29.3

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON
PROJECT ID: U-2579AB
CHECKED BY: R KING
Jan 28, 2020
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.
3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

BORDER R=1.5" TH=0.63" IN=0.38"
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
	25	11.4	9.7	7	12	9.8	8.1	25		E 2000
										58

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

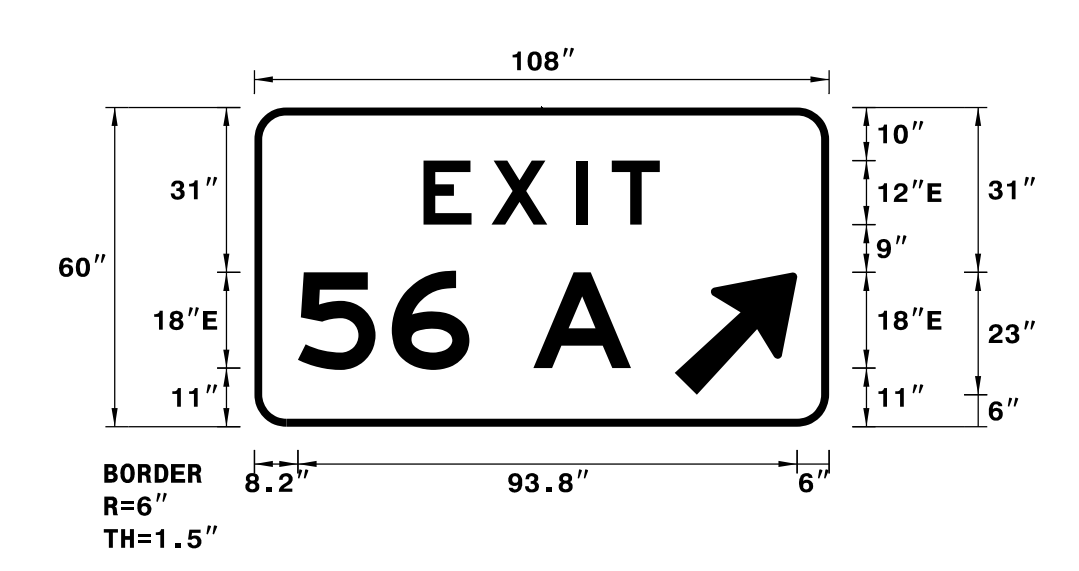
SIGN NUMBER: 206
TYPE: A
QUANTITY: 1
SIGN WIDTH: 9'-0"
HEIGHT: 5'-0"
TOTAL AREA: 45.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 1.5"
RADII: 6"
NO. Z BARS: 2
LENGTH: 100.0

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
AR_Type A	79	6	18.3	29.3

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON
PROJECT ID: U-2579AB
CHECKED BY: R KING
Dec 16, 2019
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.

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
	31.8	12.8	15.8	6.8	9	31.8				E 2000
		5	6		A					44.4
	8.2	17.6	14.6	12	18.4	37.2				E 2000
										62.6

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

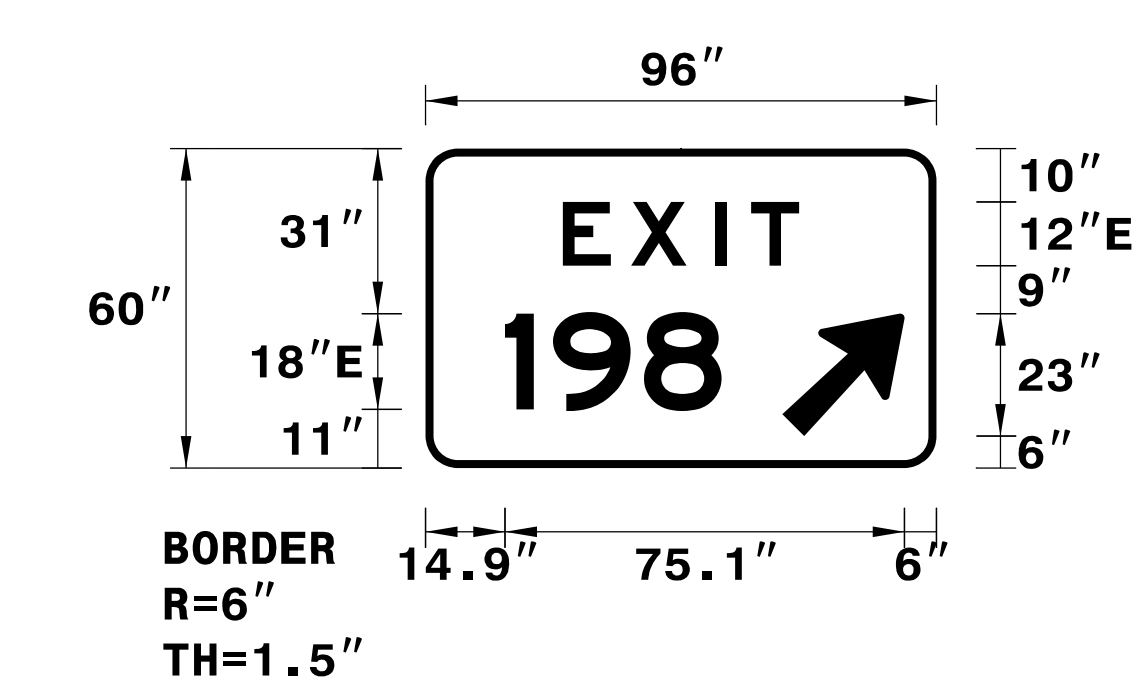
SIGN NUMBER: 207 & 210
TYPE: A
QUANTITY: 2
SIGN WIDTH: 8'-0"
HEIGHT: 5'-0"
TOTAL AREA: 40.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 1.5"
RADII: 6"
NO. Z BARS: 2
LENGTH: 88.0

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
AR_Type A	67	6	18.3	29.3

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON
PROJECT ID: U-2579AB
CHECKED BY: R KING
Dec 03, 2019
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.

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
	25.8	12.8	15.8	6.8	9	25.8				E 2000
		1	9	8						44.4
	14.9	9	17.1	14.6	40.4					E 2000
										40.7

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

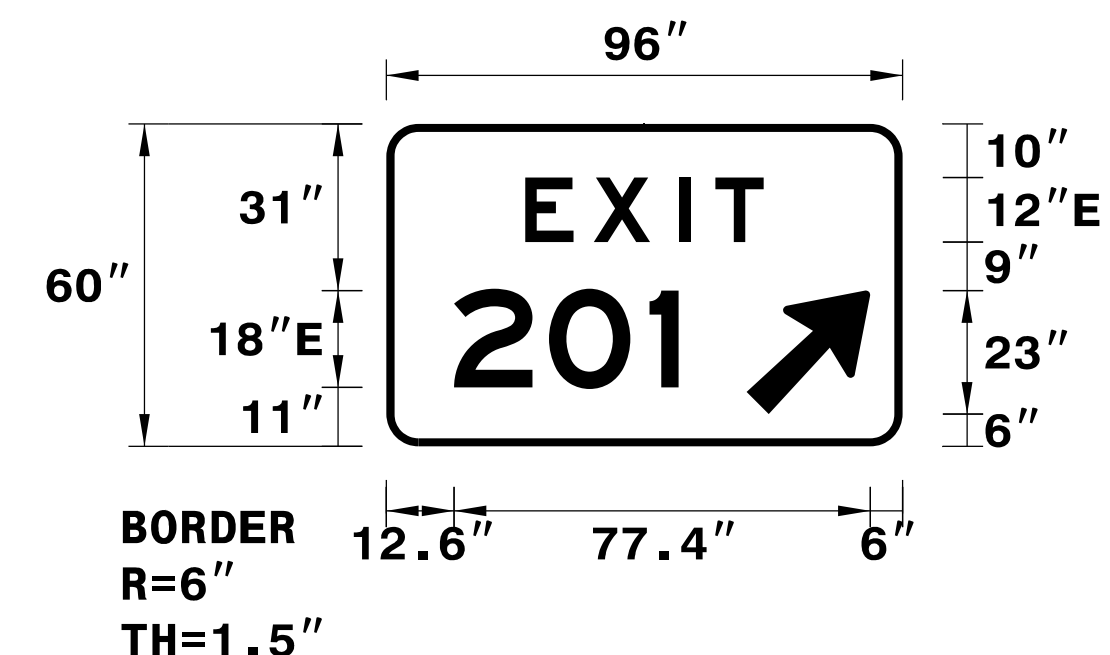
SIGN NUMBER: 211
 TYPE: A
 QUANTITY: 1
 SIGN WIDTH: 8'-0"
 HEIGHT: 5'-0"
 TOTAL AREA: 40.0 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 1.5"
 RADII: 6"
 NO. Z BARS: 2
 LENGTH: 88.0

BACKG COLOR: Green
 COPY COLOR: White

SYMBOL	X	Y	WID	HT
AR_Type A	67	6	18.3	29.3

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON
 PROJECT ID: U-2579AB
 CHECKED BY: R KING
 Dec 03, 2019
 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							D 2000	44.4
25.8	12.8	15.8	6.8	9	25.8								
		2	0	1								E 2000	41.8
12.6	17.6	18.7	5.4	41.6									

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

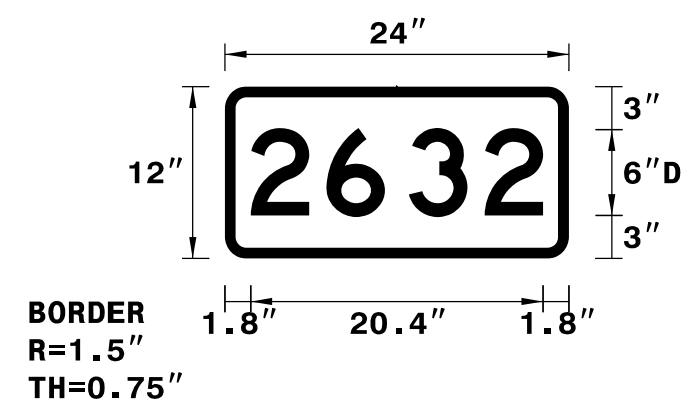
SIGN NUMBER: 301 & 302
 TYPE: D
 QUANTITY: 2
 SIGN WIDTH: 2'-0"
 HEIGHT: 1'-0"
 TOTAL AREA: 2.0 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 0.75"
 RADII: 1.5"
 NO. Z BARS: 1
 LENGTH:

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-2579AB
 CHECKED BY: R KING
 Dec 03, 2019
 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
		2	6	3	2							D 2000	20.4
1.8	5.3	5.8	5.3	4.1	1.8								

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

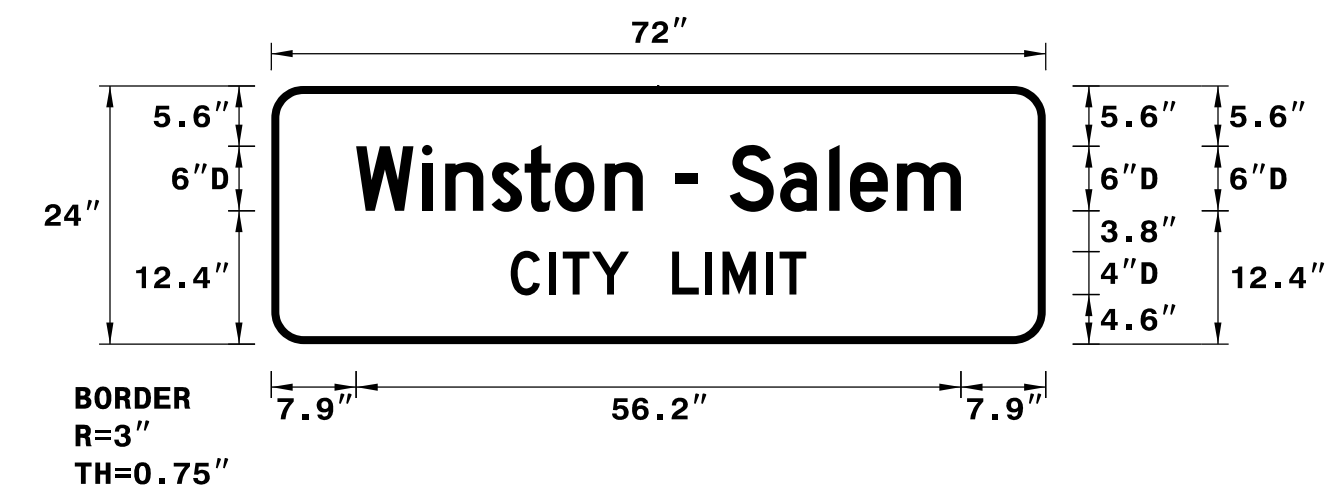
SIGN NUMBER: 305
 TYPE: D
 QUANTITY: 1
 SIGN WIDTH: 6'-0"
 HEIGHT: 2'-0"
 TOTAL AREA: 12.0 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 0.75"
 RADII: 3"
 NO. Z BARS: 1
 LENGTH:

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-2579AB
 CHECKED BY: R KING
 Sep 18, 2020
 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	56.2
7.9	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			
		C	I	T	Y	L	I	M	I	T							D 2000	27.5	
22.3	3.6	1.2	2.7	3.4	4	3.1	1.6	4.1	1.2	2.5	22.3								

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

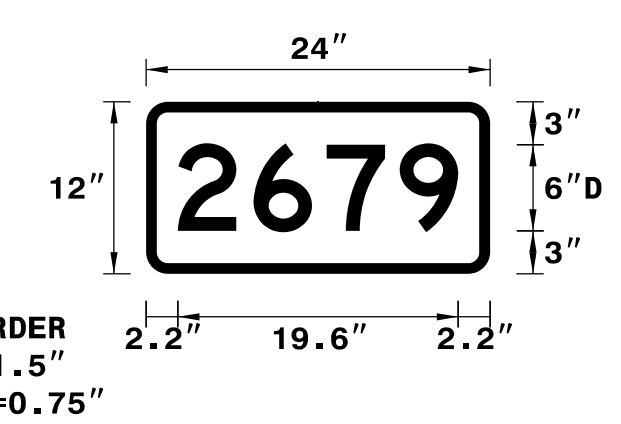
SIGN NUMBER: 303 & 304
 TYPE: D
 QUANTITY: 2
 SIGN WIDTH: 2'-0"
 HEIGHT: 1'-0"
 TOTAL AREA: 2.0 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 0.75"
 RADII: 1.5"
 NO. Z BARS: 1
 LENGTH:

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-2579AB
 CHECKED BY: R KING
 Dec 03, 2019
 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
		2	6	7	9							D 2000	19.6
2.2	5.3	5.1	5.1	4.1	2.2								

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

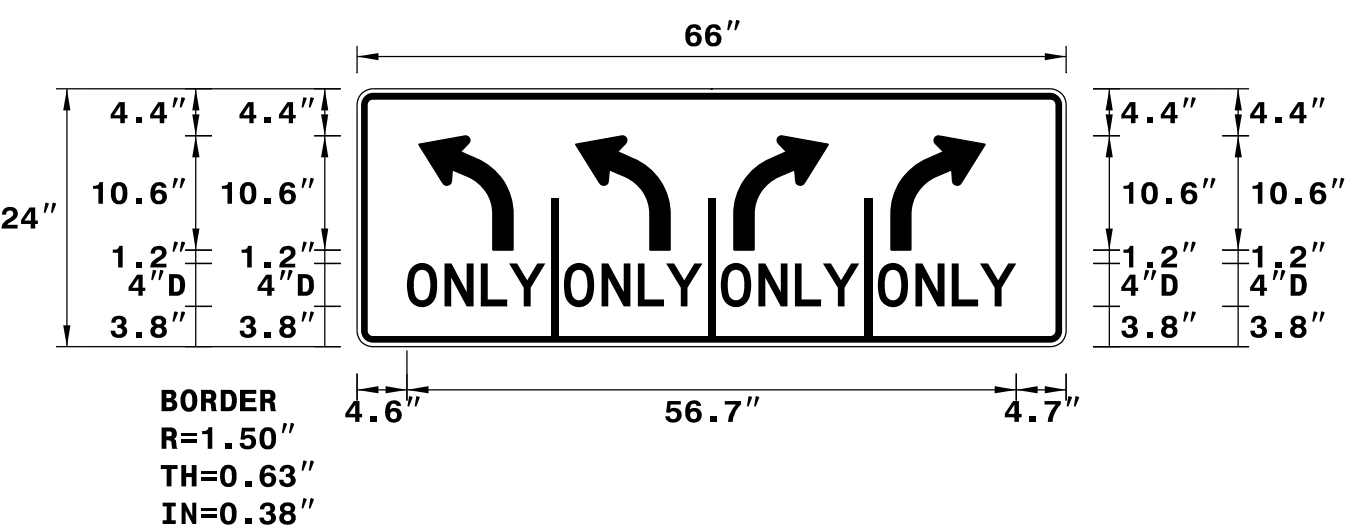
SIGN NUMBER: 306 & 307
 TYPE: D
 QUANTITY: 2
 SIGN WIDTH: 5'-6"
 HEIGHT: 2'-0"
 TOTAL AREA: 11.0 Sq.Ft.
 BORDER TYPE: RECESSED
 RECESS: 0.38"
 WIDTH: 0.63"
 RADII: 1.50"
 NO. Z BARS: 1
 LENGTH:

BACKG COLOR: White
 COPY COLOR: Black

SYMBOL	X	Y	WID	HT
ARROW (LEFT)	5.7	9	8.8	10.6
ARROW (LEFT)	20.3	9	8.8	10.6
ARROW (RIGHT)	35.1	9	8.8	10.6
ARROW (RIGHT)	49.7	9	8.8	10.6

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R DRAYTON
 PROJECT ID: U-2579AB
 CHECKED BY: R KING
 May 27, 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
		O	N	L	Y							D	12.9
4.6	3.5	3.4	2.6	3.4	48.5								
		O	N	L	Y							D	12.9
19.3	3.5	3.4	2.6	3.4	33.9								
		O	N	L	Y							D	12.9
33.9	3.5	3.4	2.6	3.4	19.3								
		O	N	L	Y							D	12.9
48.5	3.5	3.4	2.6	3.4	4.7								

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

PROJECT REFERENCE NO. U-2579AB
 SHEET NO. SIGN-4T

10/13/2021

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

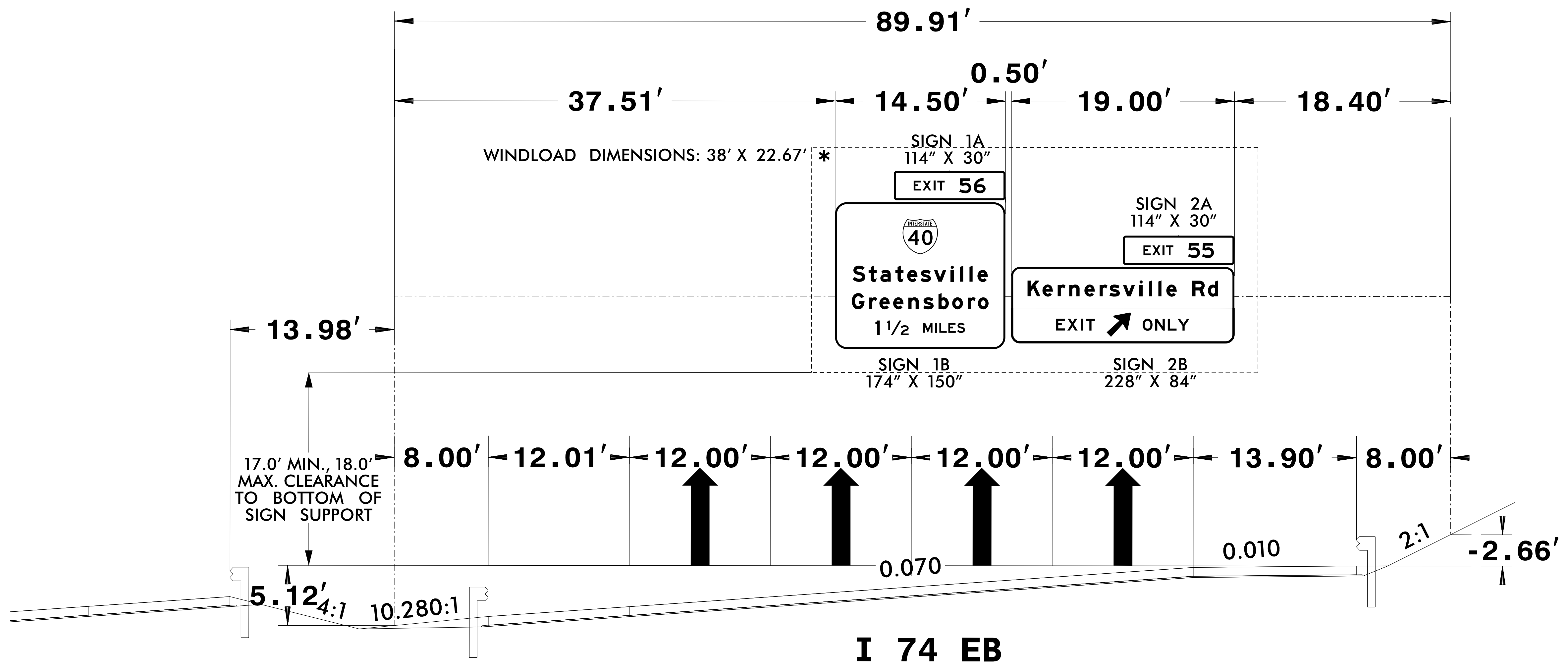
**SIGN
 DESIGNS**

PROJECT REFERENCE NO. U-2579AB	SHEET NO. SIGN-4U
-----------------------------------	----------------------

10/13/2021

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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



IF THE CONTRACTOR BIDS ALUMINUM SIGN STRUCTURE, EACH SHALL BE PROVIDED WITH AN APPROVED HIGHWAY TRUSS DAMPER DEVICE IN ACCORDANCE WITH AASHTO SPECIFICATIONS.

MOUNT SIGNS VERTICALLY CENTERED ON HORIZONTAL MEMBER OF STRUCTURE.

FIELD VERIFICATION SHALL BE REQUIRED FOR ALL FOOTING ELEVATIONS, PER THE LATEST NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES. PROVIDE FIELD VERIFICATION TO THE SIGNING SECTION.

THE TOP OF THE FOOTING SHALL EXTEND AT LEAST 4 INCHES AND NOT MORE THAN 24 INCHES ABOVE THE HIGHEST POINT OF THE GROUND SURFACE AT THE FOOTING.

SIGN HANGERS AND ATTACHMENT HARDWARE SHALL BE PROVIDED AND INSTALLED ON THE ASSEMBLY TO ACCOMMODATE ALL SIGNS SHOWN IN THIS PLAN SHEET.

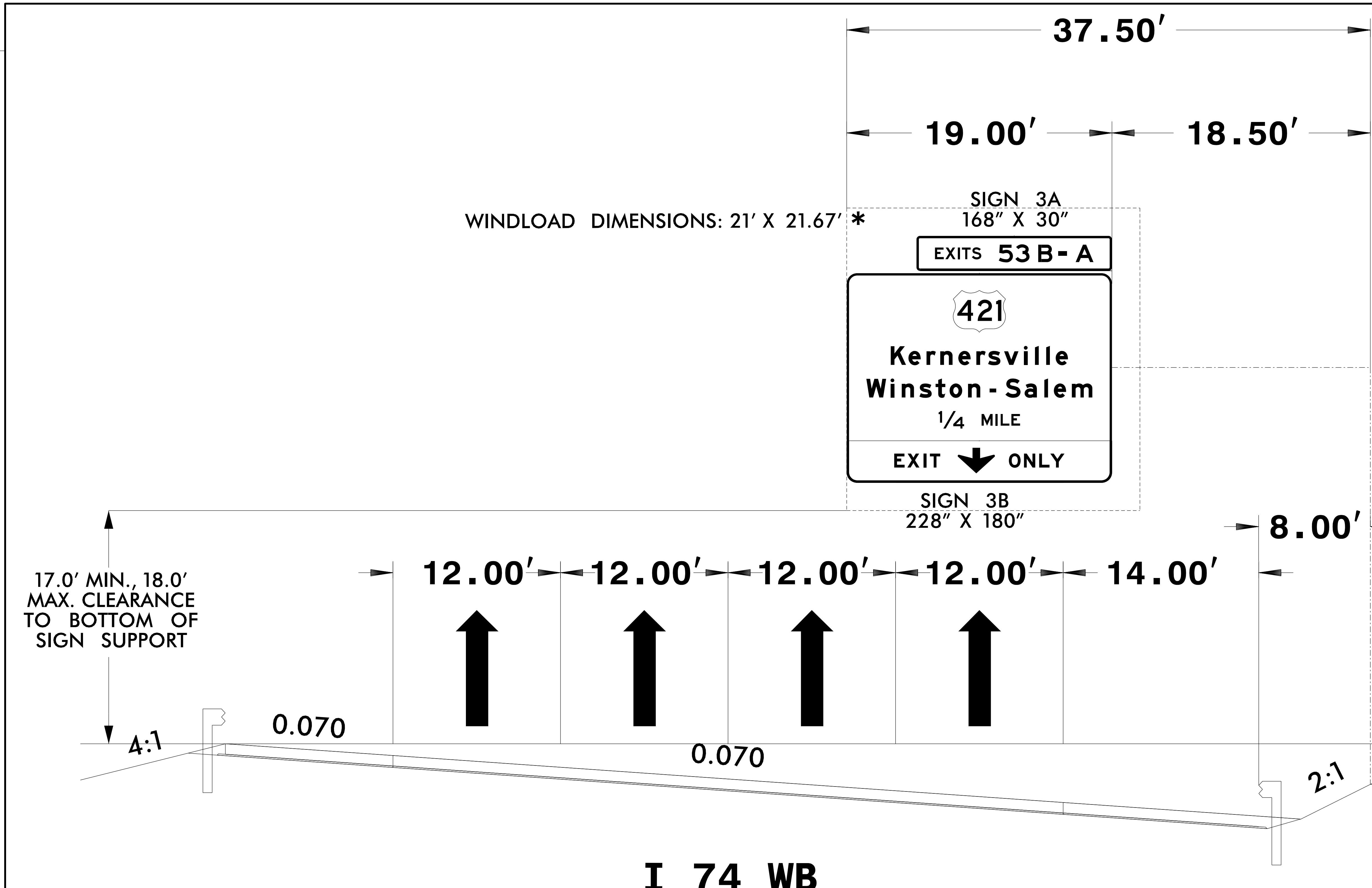
DESIGN AND CONSTRUCTION REQUIREMENTS FOR SIGN STRUCTURES SHALL ACCOMMODATE WIND VELOCITY OF 90 M.P.H.

* THE FOLLOWING DIMENSIONS SHALL BE USED FOR WIND LOAD AND DEAD LOAD COMPUTATIONS IN DESIGN OF STRUCTURE AND FOOTING:

- THE WINDLOAD AREA WIDTH SHALL EXTEND 2' OUTSIDE THE PROPOSED PRIMARY SIGN ON EACH SIDE OF THE SIGN. IN CASES WHERE THE WIND LOAD AREAS OF TWO SIGNS INTERSECT, THE TALLER AREA SHALL TAKE PRIORITY. FOR CANTILEVER STRUCTURES, THE WIND LOAD AREA SHALL BE FLUSH WITH THE EDGE OF THE PRIMARY SIGN AT THE CANTILEVERED END, SUCH THAT THE WIND LOAD AREAS DO NOT EXTEND PAST THE END OF A CANTILEVER SIGN STRUCTURE
- THE WINDLOAD AREA HEIGHT SHALL EXTEND 2' BELOW THE BOTTOM OF EACH SIGN AND 2' ABOVE THE TOP OF EACH SIGN, INCLUDING SECONDARY AND SUPPLEMENTAL SIGNS AS WELL AS THE SPACING BETWEEN SIGNS ACCORDING TO RSD No. 904.20, AND EXCLUDING TEMPORARY "ALL TRAFFIC EXIT" SIGNS. THE MINIMUM VERTICAL CLEARANCE SHALL BE MEASURED FROM THE BOTTOM OF THE LOWEST WINDLOAD AREA.

Overhead Assembly "A"
Sta. 702+30 -L-

PROJECT REFERENCE NO. U-2579AB	SHEET NO. SIGN-4V
<p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>	
<p>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>	



IF THE CONTRACTOR BIDS ALUMINUM SIGN STRUCTURE, EACH SHALL BE PROVIDED WITH AN APPROVED HIGHWAY TRUSS DAMPER DEVICE IN ACCORDANCE WITH AASHTO SPECIFICATIONS.

MOUNT SIGNS VERTICALLY CENTERED ON HORIZONTAL MEMBER OF STRUCTURE.

FIELD VERIFICATION SHALL BE REQUIRED FOR ALL FOOTING ELEVATIONS, PER THE LATEST NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES. PROVIDE FIELD VERIFICATION TO THE SIGNING SECTION.

THE TOP OF THE FOOTING SHALL EXTEND AT LEAST 4 INCHES AND NOT MORE THAN 24 INCHES ABOVE THE HIGHEST POINT OF THE GROUND SURFACE AT THE FOOTING.

SIGN HANGERS AND ATTACHMENT HARDWARE SHALL BE PROVIDED AND INSTALLED ON THE ASSEMBLY TO ACCOMMODATE ALL SIGNS SHOWN IN THIS PLAN SHEET.

DESIGN AND CONSTRUCTION REQUIREMENTS FOR SIGN STRUCTURES SHALL ACCOMMODATE WIND VELOCITY OF 90 M.P.H.

* THE FOLLOWING DIMENSIONS SHALL BE USED FOR WIND LOAD AND DEAD LOAD COMPUTATIONS IN DESIGN OF STRUCTURE AND FOOTING:

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- THE WINDLOAD AREA HEIGHT SHALL EXTEND 2' BELOW THE BOTTOM OF EACH SIGN AND 2' ABOVE THE TOP OF EACH SIGN, INCLUDING SECONDARY AND SUPPLEMENTAL SIGNS AS WELL AS THE SPACING BETWEEN SIGNS ACCORDING TO RSD No. 904.20, AND EXCLUDING TEMPORARY "ALL TRAFFIC EXIT" SIGNS. THE MINIMUM VERTICAL CLEARANCE SHALL BE MEASURED FROM THE BOTTOM OF THE LOWEST WINDLOAD AREA.

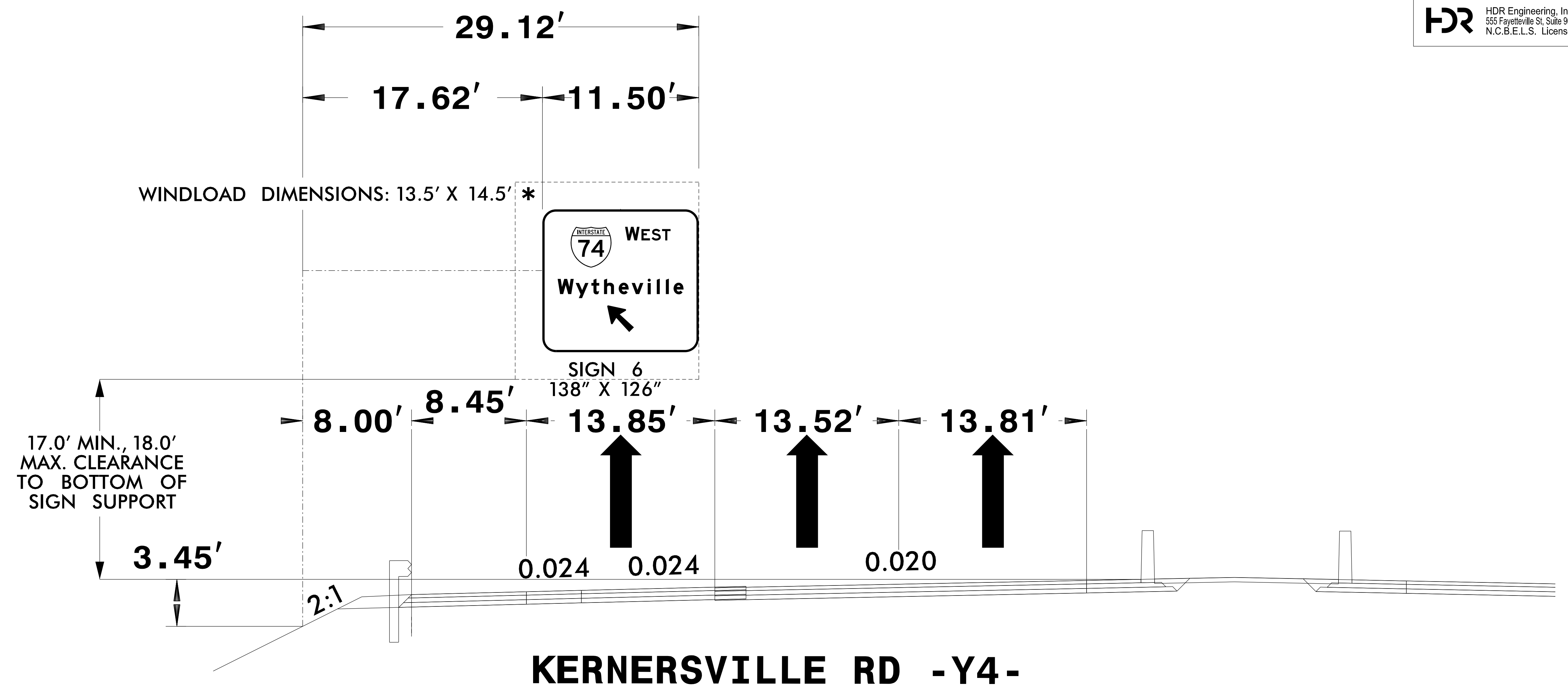
Overhead Assembly "B"
Sta. 706+00 -L-

PROJECT REFERENCE NO.	SHEET NO.
U-2579AB	SIGN-4W

10/13/2021

**DOCUMENT NOT CONSIDERED FINAL
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555 Fayetteville St. Suite 900 Raleigh, N.C. 27601
N.C.B.E.L.S. License Number: F-0116



IF THE CONTRACTOR BIDS ALUMINUM SIGN STRUCTURE, EACH SHALL BE PROVIDED WITH AN APPROVED HIGHWAY TRUSS DAMPER DEVICE IN ACCORDANCE WITH AASHTO SPECIFICATIONS.

MOUNT SIGNS VERTICALLY CENTERED ON HORIZONTAL MEMBER OF STRUCTURE.

FIELD VERIFICATION SHALL BE REQUIRED FOR ALL FOOTING ELEVATIONS, PER THE LATEST NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES. PROVIDE FIELD VERIFICATION TO THE SIGNING SECTION.

THE TOP OF THE FOOTING SHALL EXTEND AT LEAST 4 INCHES AND NOT MORE THAN 24 INCHES ABOVE THE HIGHEST POINT OF THE GROUND SURFACE AT THE FOOTING.

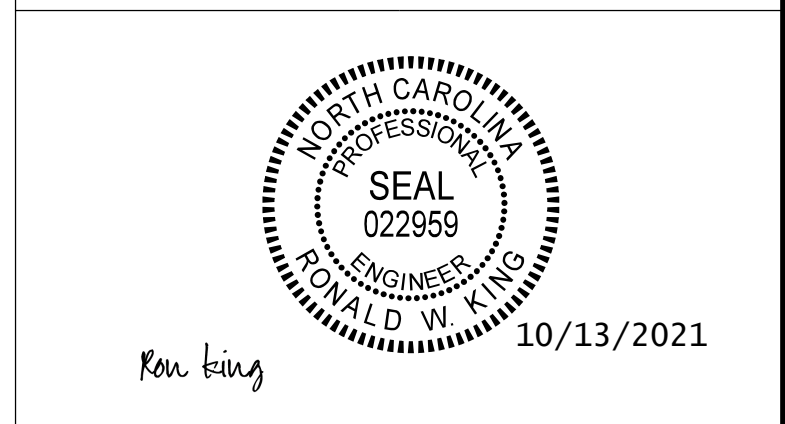
SIGN HANGERS AND ATTACHMENT HARDWARE SHALL BE PROVIDED AND INSTALLED ON THE ASSEMBLY TO ACCOMMODATE ALL SIGNS SHOWN IN THIS PLAN SHEET.

DESIGN AND CONSTRUCTION REQUIREMENTS FOR SIGN STRUCTURES SHALL ACCOMMODATE WIND VELOCITY OF 90 M.P.H.

* THE FOLLOWING DIMENSIONS SHALL BE USED FOR WIND LOAD AND DEAD LOAD COMPUTATIONS IN DESIGN OF STRUCTURE AND FOOTING:

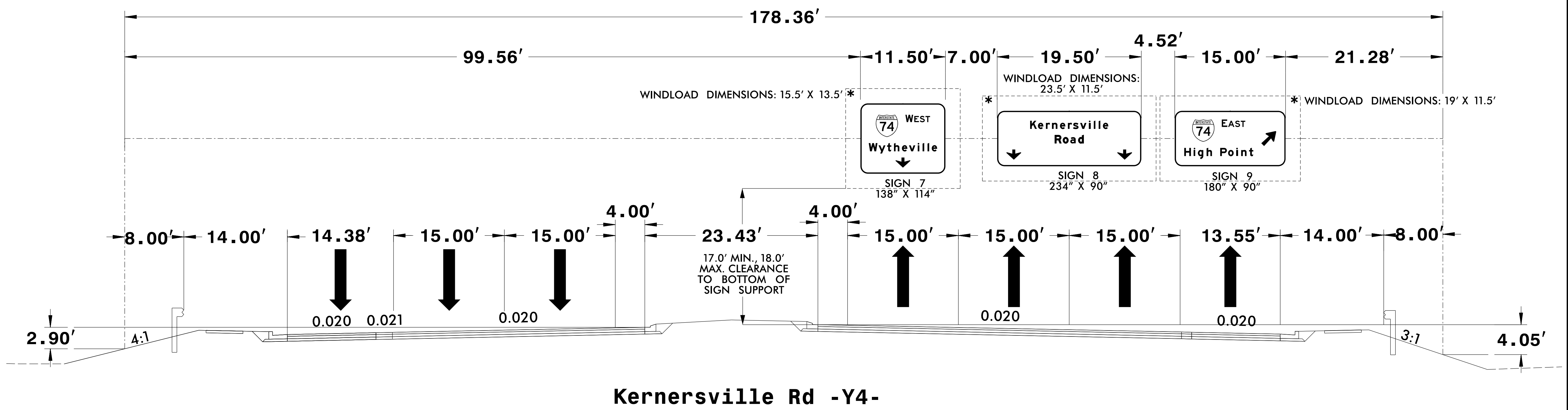
- THE WINDLOAD AREA WIDTH SHALL EXTEND 2' OUTSIDE THE PROPOSED PRIMARY SIGN ON EACH SIDE OF THE SIGN. IN CASES WHERE THE WIND LOAD AREAS OF TWO SIGNS INTERSECT, THE TALLER AREA SHALL TAKE PRIORITY. FOR CANTILEVER STRUCTURES, THE WIND LOAD AREA SHALL BE FLUSH WITH THE EDGE OF THE PRIMARY SIGN AT THE CANTILEVERED END, SUCH THAT THE WIND LOAD AREAS DO NOT EXTEND PAST THE END OF A CANTILEVER SIGN STRUCTURE
- THE WINDLOAD AREA HEIGHT SHALL EXTEND 2' BELOW THE BOTTOM OF EACH SIGN AND 2' ABOVE THE TOP OF EACH SIGN, INCLUDING SECONDARY AND SUPPLEMENTAL SIGNS AS WELL AS THE SPACING BETWEEN SIGNS ACCORDING TO RSD No. 904.20, AND EXCLUDING TEMPORARY "ALL TRAFFIC EXIT" SIGNS. THE MINIMUM VERTICAL CLEARANCE SHALL BE MEASURED FROM THE BOTTOM OF THE LOWEST WINDLOAD AREA.

Overhead Assembly "C"
Sta. 31+94 -Y4-



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555 Fayetteville St. Suite 900 Raleigh, N.C. 27601
N.C.B.E.L.S. License Number: F-01116



IF THE CONTRACTOR BIDS ALUMINUM SIGN STRUCTURE, EACH SHALL BE PROVIDED WITH AN APPROVED HIGHWAY TRUSS DAMPER DEVICE IN ACCORDANCE WITH AASHTO SPECIFICATIONS.

MOUNT SIGNS VERTICALLY CENTERED ON HORIZONTAL MEMBER OF STRUCTURE.

FIELD VERIFICATION SHALL BE REQUIRED FOR ALL FOOTING ELEVATIONS, PER THE LATEST NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES. PROVIDE FIELD VERIFICATION TO THE SIGNING SECTION.

THE TOP OF THE FOOTING SHALL EXTEND AT LEAST 4 INCHES AND NOT MORE THAN 24 INCHES ABOVE THE HIGHEST POINT OF THE GROUND SURFACE AT THE FOOTING.

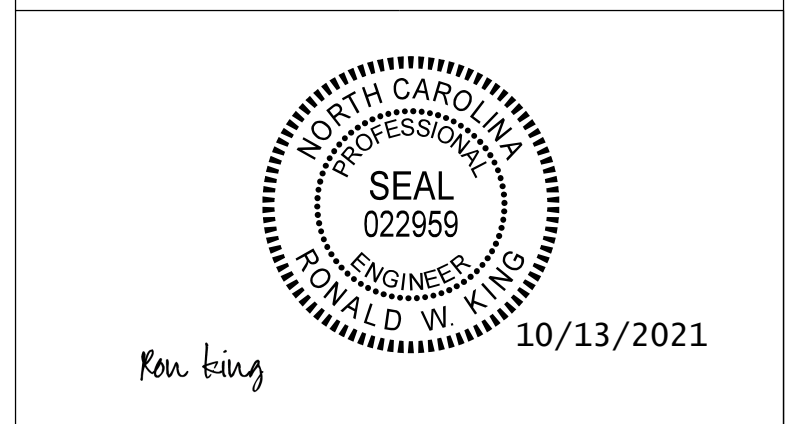
SIGN HANGERS AND ATTACHMENT HARDWARE SHALL BE PROVIDED AND INSTALLED ON THE ASSEMBLY TO ACCOMMODATE ALL SIGNS SHOWN IN THIS PLAN SHEET.

DESIGN AND CONSTRUCTION REQUIREMENTS FOR SIGN STRUCTURES SHALL ACCOMMODATE WIND VELOCITY OF 90 M.P.H.

* THE FOLLOWING DIMENSIONS SHALL BE USED FOR WIND LOAD AND DEAD LOAD COMPUTATIONS IN DESIGN OF STRUCTURE AND FOOTING:

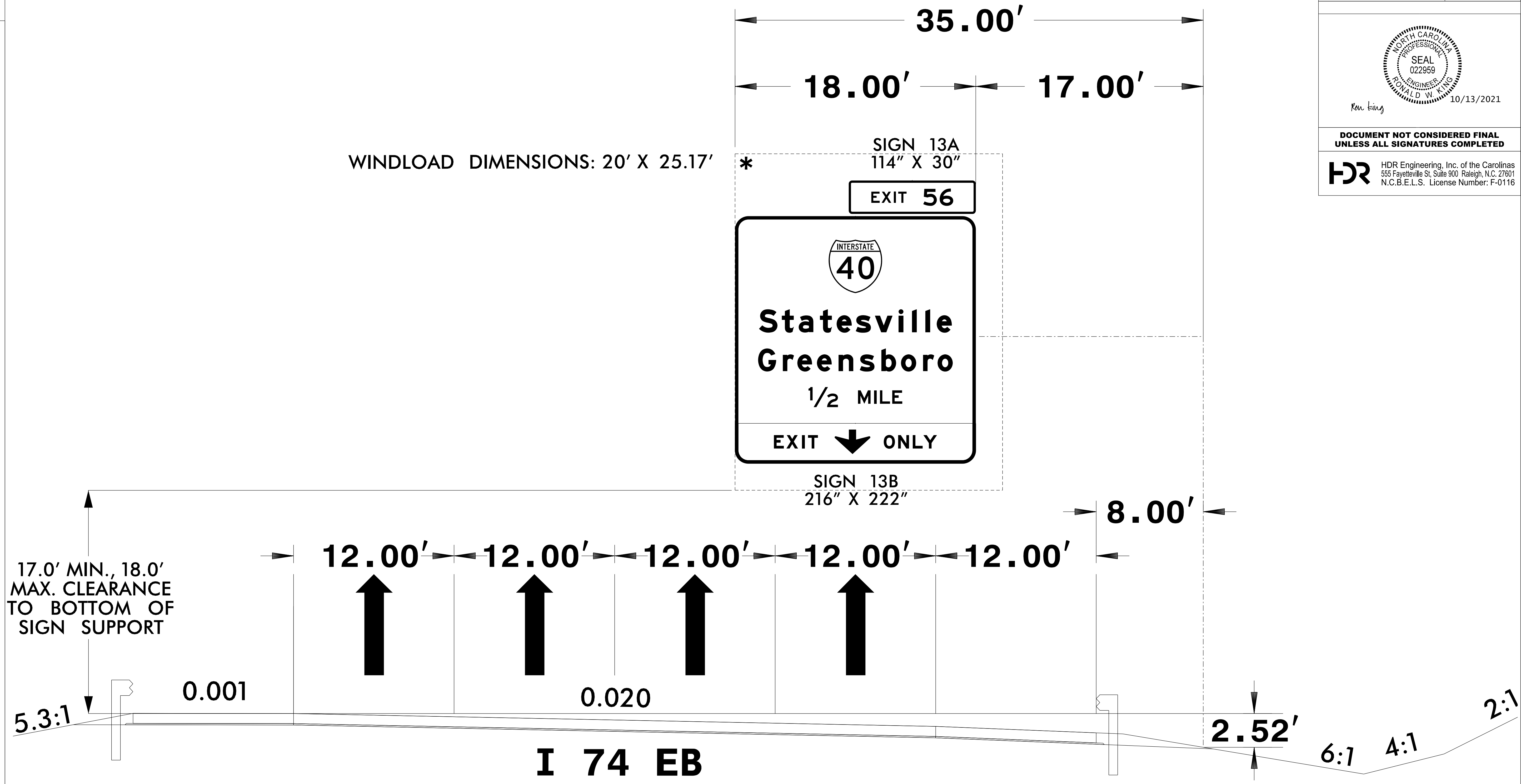
- THE WINDLOAD AREA WIDTH SHALL EXTEND 2' OUTSIDE THE PROPOSED PRIMARY SIGN ON EACH SIDE OF THE SIGN. IN CASES WHERE THE WIND LOAD AREAS OF TWO SIGNS INTERSECT, THE TALLER AREA SHALL TAKE PRIORITY. FOR CANTILEVER STRUCTURES, THE WIND LOAD AREA SHALL BE FLUSH WITH THE EDGE OF THE PRIMARY SIGN AT THE CANTILEVERED END, SUCH THAT THE WIND LOAD AREAS DO NOT EXTEND PAST THE END OF A CANTILEVER SIGN STRUCTURE
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Overhead Assembly "D"
Sta. 26+00 -Y4-



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UNLESS ALL SIGNATURES COMPLETED**

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555 Fayetteville St. Suite 900 Raleigh, N.C. 27601
N.C.B.E.L.S. License Number: F-0116



IF THE CONTRACTOR BIDS ALUMINUM SIGN STRUCTURE, EACH SHALL BE PROVIDED WITH AN APPROVED HIGHWAY TRUSS DAMPER DEVICE IN ACCORDANCE WITH AASHTO SPECIFICATIONS.

MOUNT SIGNS VERTICALLY CENTERED ON HORIZONTAL MEMBER OF STRUCTURE.

FIELD VERIFICATION SHALL BE REQUIRED FOR ALL FOOTING ELEVATIONS, PER THE LATEST NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES. PROVIDE FIELD VERIFICATION TO THE SIGNING SECTION.

THE TOP OF THE FOOTING SHALL EXTEND AT LEAST 4 INCHES AND NOT MORE THAN 24 INCHES ABOVE THE HIGHEST POINT OF THE GROUND SURFACE AT THE FOOTING.

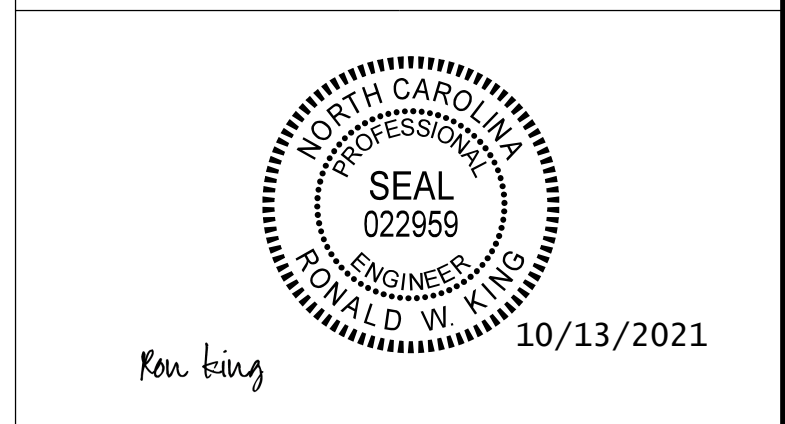
SIGN HANGERS AND ATTACHMENT HARDWARE SHALL BE PROVIDED AND INSTALLED ON THE ASSEMBLY TO ACCOMMODATE ALL SIGNS SHOWN IN THIS PLAN SHEET.

DESIGN AND CONSTRUCTION REQUIREMENTS FOR SIGN STRUCTURES SHALL ACCOMMODATE WIND VELOCITY OF 90 M.P.H.

* THE FOLLOWING DIMENSIONS SHALL BE USED FOR WIND LOAD AND DEAD LOAD COMPUTATIONS IN DESIGN OF STRUCTURE AND FOOTING:

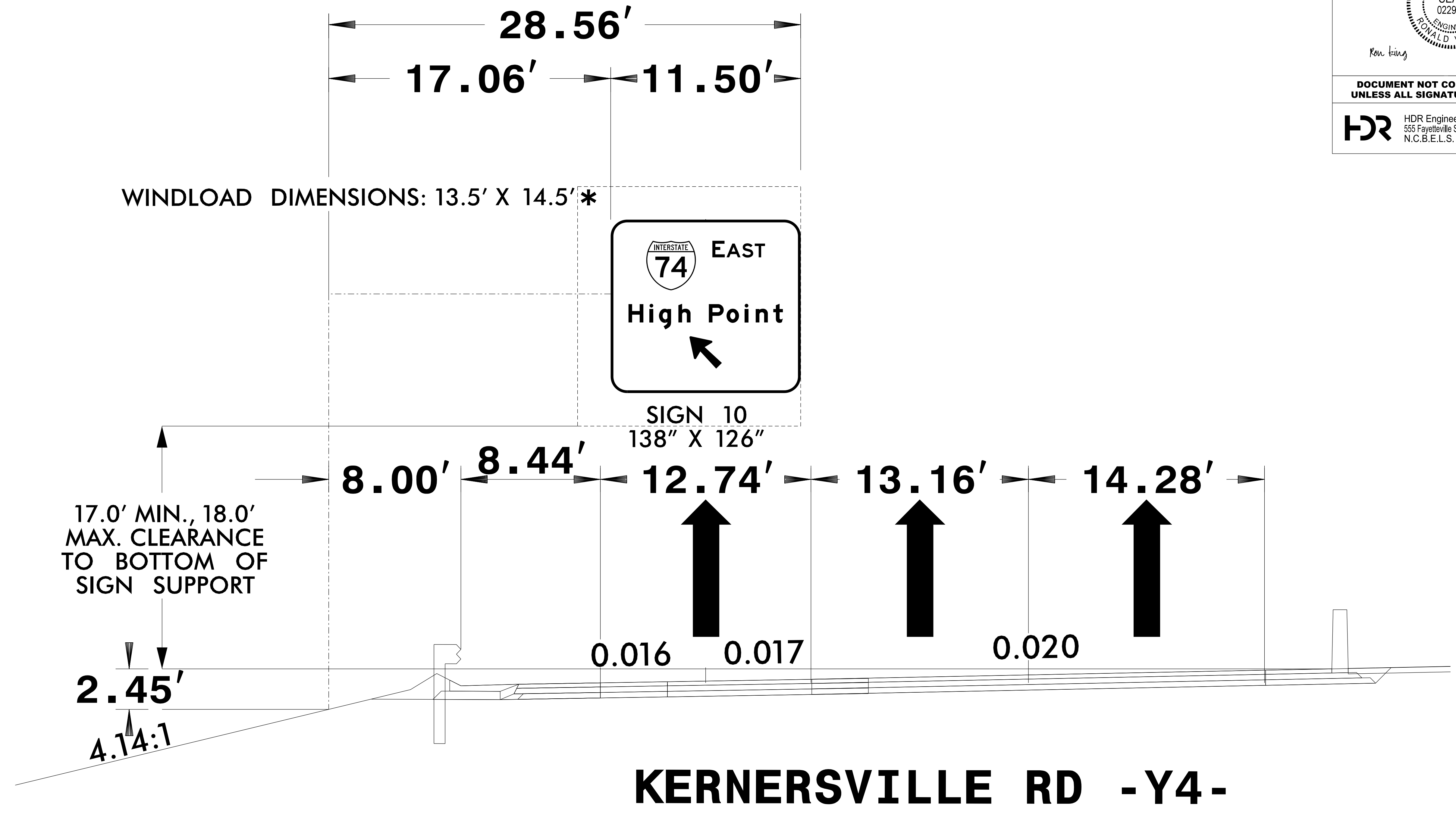
- THE WINDLOAD AREA WIDTH SHALL EXTEND 2' OUTSIDE THE PROPOSED PRIMARY SIGN ON EACH SIDE OF THE SIGN. IN CASES WHERE THE WIND LOAD AREAS OF TWO SIGNS INTERSECT, THE TALLER AREA SHALL TAKE PRIORITY. FOR CANTILEVER STRUCTURES, THE WIND LOAD AREA SHALL BE FLUSH WITH THE EDGE OF THE PRIMARY SIGN AT THE CANTILEVERED END, SUCH THAT THE WIND LOAD AREAS DO NOT EXTEND PAST THE END OF A CANTILEVER SIGN STRUCTURE
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**Overhead Assembly "E"
Sta. 737+50 -L-**



**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



KERNERSVILLE RD -Y4-

IF THE CONTRACTOR BIDS ALUMINUM SIGN STRUCTURE, EACH SHALL BE PROVIDED WITH AN APPROVED HIGHWAY TRUSS DAMPER DEVICE IN ACCORDANCE WITH AASHTO SPECIFICATIONS.

MOUNT SIGNS VERTICALLY CENTERED ON HORIZONTAL MEMBER OF STRUCTURE.

FIELD VERIFICATION SHALL BE REQUIRED FOR ALL FOOTING ELEVATIONS, PER THE LATEST NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES. PROVIDE FIELD VERIFICATION TO THE SIGNING SECTION.

THE TOP OF THE FOOTING SHALL EXTEND AT LEAST 4 INCHES AND NOT MORE THAN 24 INCHES ABOVE THE HIGHEST POINT OF THE GROUND SURFACE AT THE FOOTING.

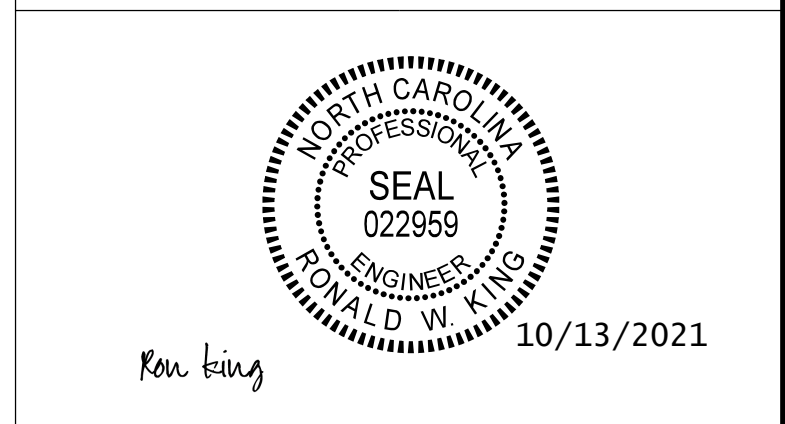
SIGN HANGERS AND ATTACHMENT HARDWARE SHALL BE PROVIDED AND INSTALLED ON THE ASSEMBLY TO ACCOMMODATE ALL SIGNS SHOWN IN THIS PLAN SHEET.

DESIGN AND CONSTRUCTION REQUIREMENTS FOR SIGN STRUCTURES SHALL ACCOMMODATE WIND VELOCITY OF 90 M.P.H.

* THE FOLLOWING DIMENSIONS SHALL BE USED FOR WIND LOAD AND DEAD LOAD COMPUTATIONS IN DESIGN OF STRUCTURE AND FOOTING:

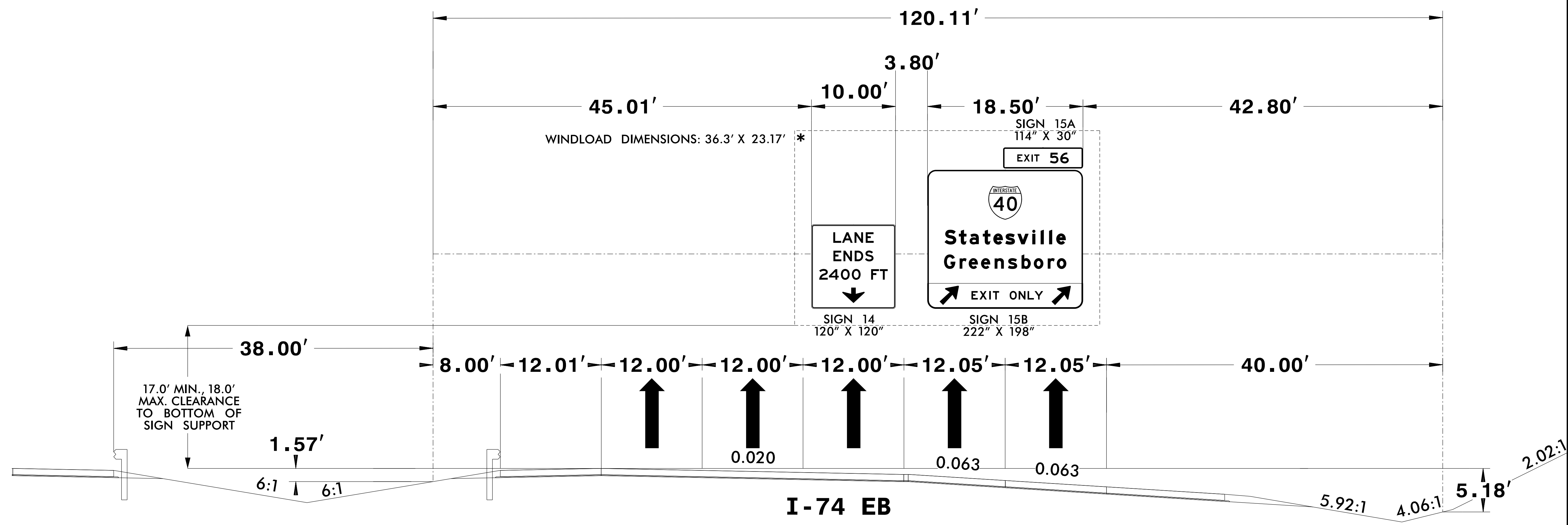
- THE WINDLOAD AREA WIDTH SHALL EXTEND 2' OUTSIDE THE PROPOSED PRIMARY SIGN ON EACH SIDE OF THE SIGN. IN CASES WHERE THE WIND LOAD AREAS OF TWO SIGNS INTERSECT, THE TALLER AREA SHALL TAKE PRIORITY. FOR CANTILEVER STRUCTURES, THE WIND LOAD AREA SHALL BE FLUSH WITH THE EDGE OF THE PRIMARY SIGN AT THE CANTILEVERED END, SUCH THAT THE WIND LOAD AREAS DO NOT EXTEND PAST THE END OF A CANTILEVER SIGN STRUCTURE
- THE WINDLOAD AREA HEIGHT SHALL EXTEND 2' BELOW THE BOTTOM OF EACH SIGN AND 2' ABOVE THE TOP OF EACH SIGN, INCLUDING SECONDARY AND SUPPLEMENTAL SIGNS AS WELL AS THE SPACING BETWEEN SIGNS ACCORDING TO RSD No. 904.20, AND EXCLUDING TEMPORARY "ALL TRAFFIC EXIT" SIGNS. THE MINIMUM VERTICAL CLEARANCE SHALL BE MEASURED FROM THE BOTTOM OF THE LOWEST WINDLOAD AREA.

**Overhead Assembly "F"
Sta. 29+41 -Y4-**



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UNLESS ALL SIGNATURES COMPLETED**

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555 Fayetteville St. Suite 900 Raleigh, N.C. 27601
N.C.B.E.L.S. License Number: F-0116



IF THE CONTRACTOR BIDS ALUMINUM SIGN STRUCTURE, EACH SHALL BE PROVIDED WITH AN APPROVED HIGHWAY TRUSS DAMPER DEVICE IN ACCORDANCE WITH AASHTO SPECIFICATIONS.

MOUNT SIGNS VERTICALLY CENTERED ON HORIZONTAL MEMBER OF STRUCTURE.

FIELD VERIFICATION SHALL BE REQUIRED FOR ALL FOOTING ELEVATIONS, PER THE LATEST NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES. PROVIDE FIELD VERIFICATION TO THE SIGNING SECTION.

THE TOP OF THE FOOTING SHALL EXTEND AT LEAST 4 INCHES AND NOT MORE THAN 24 INCHES ABOVE THE HIGHEST POINT OF THE GROUND SURFACE AT THE FOOTING.

SIGN HANGERS AND ATTACHMENT HARDWARE SHALL BE PROVIDED AND INSTALLED ON THE ASSEMBLY TO ACCOMMODATE ALL SIGNS SHOWN IN THIS PLAN SHEET.

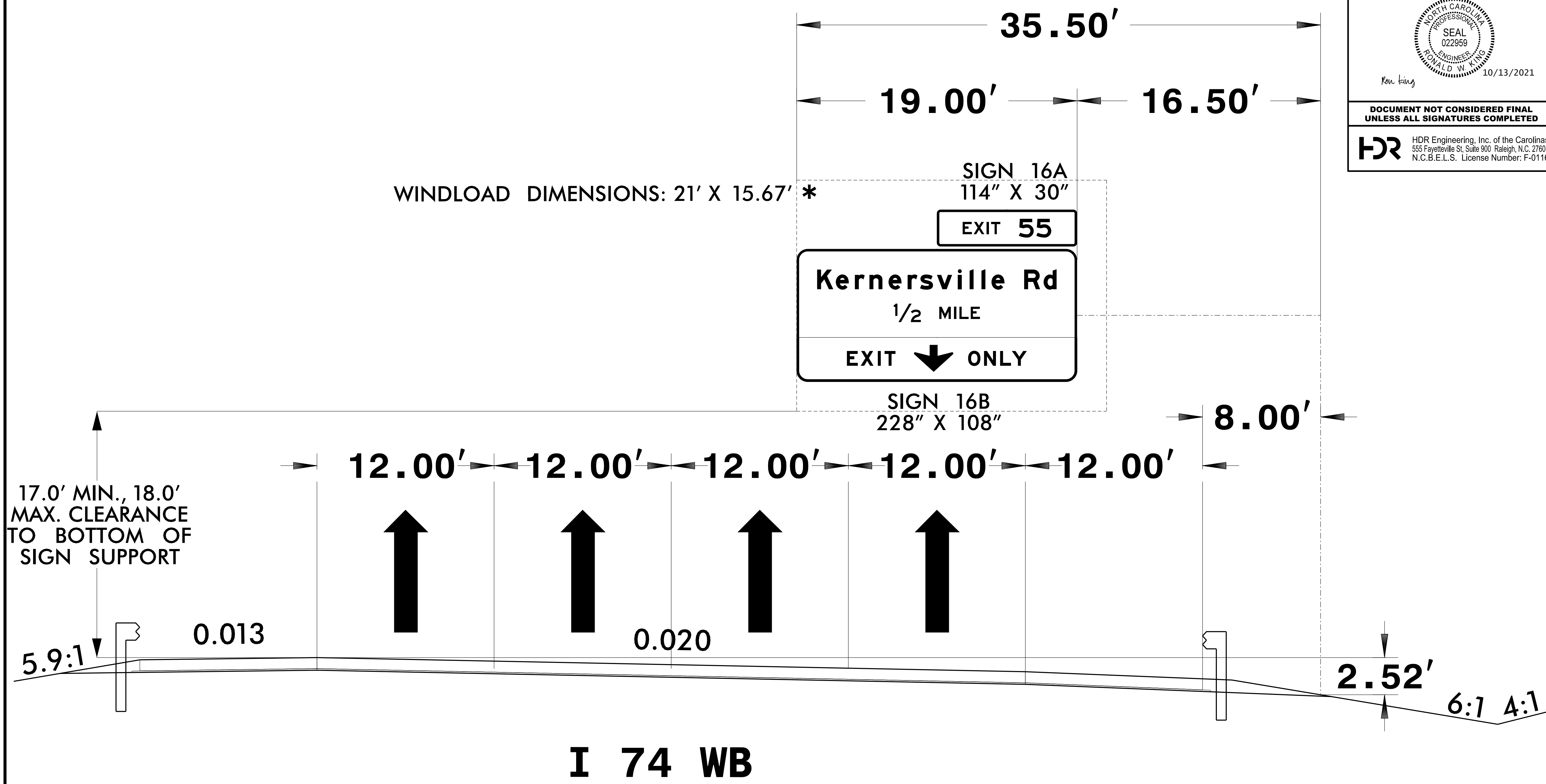
DESIGN AND CONSTRUCTION REQUIREMENTS FOR SIGN STRUCTURES SHALL ACCOMMODATE WIND VELOCITY OF 90 M.P.H.

* THE FOLLOWING DIMENSIONS SHALL BE USED FOR WIND LOAD AND DEAD LOAD COMPUTATIONS IN DESIGN OF STRUCTURE AND FOOTING:

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- THE WINDLOAD AREA HEIGHT SHALL EXTEND 2' BELOW THE BOTTOM OF EACH SIGN AND 2' ABOVE THE TOP OF EACH SIGN, INCLUDING SECONDARY AND SUPPLEMENTAL SIGNS AS WELL AS THE SPACING BETWEEN SIGNS ACCORDING TO RSD No. 904.20, AND EXCLUDING TEMPORARY "ALL TRAFFIC EXIT" SIGNS. THE MINIMUM VERTICAL CLEARANCE SHALL BE MEASURED FROM THE BOTTOM OF THE LOWEST WINDLOAD AREA.

Overhead Assembly "G"
Sta. 763+84 -L-

PROJECT REFERENCE NO. U-2579AB	SHEET NO. SIGN-4BB
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
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IF THE CONTRACTOR BIDS ALUMINUM SIGN STRUCTURE, EACH SHALL BE PROVIDED WITH AN APPROVED HIGHWAY TRUSS DAMPER DEVICE IN ACCORDANCE WITH AASHTO SPECIFICATIONS.

MOUNT SIGNS VERTICALLY CENTERED ON HORIZONTAL MEMBER OF STRUCTURE.

FIELD VERIFICATION SHALL BE REQUIRED FOR ALL FOOTING ELEVATIONS, PER THE LATEST NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES. PROVIDE FIELD VERIFICATION TO THE SIGNING SECTION.

THE TOP OF THE FOOTING SHALL EXTEND AT LEAST 4 INCHES AND NOT MORE THAN 24 INCHES ABOVE THE HIGHEST POINT OF THE GROUND SURFACE AT THE FOOTING.



SIGN HANGERS AND ATTACHMENT HARDWARE SHALL BE PROVIDED AND INSTALLED ON THE ASSEMBLY TO ACCOMMODATE ALL SIGNS SHOWN IN THIS PLAN SHEET.

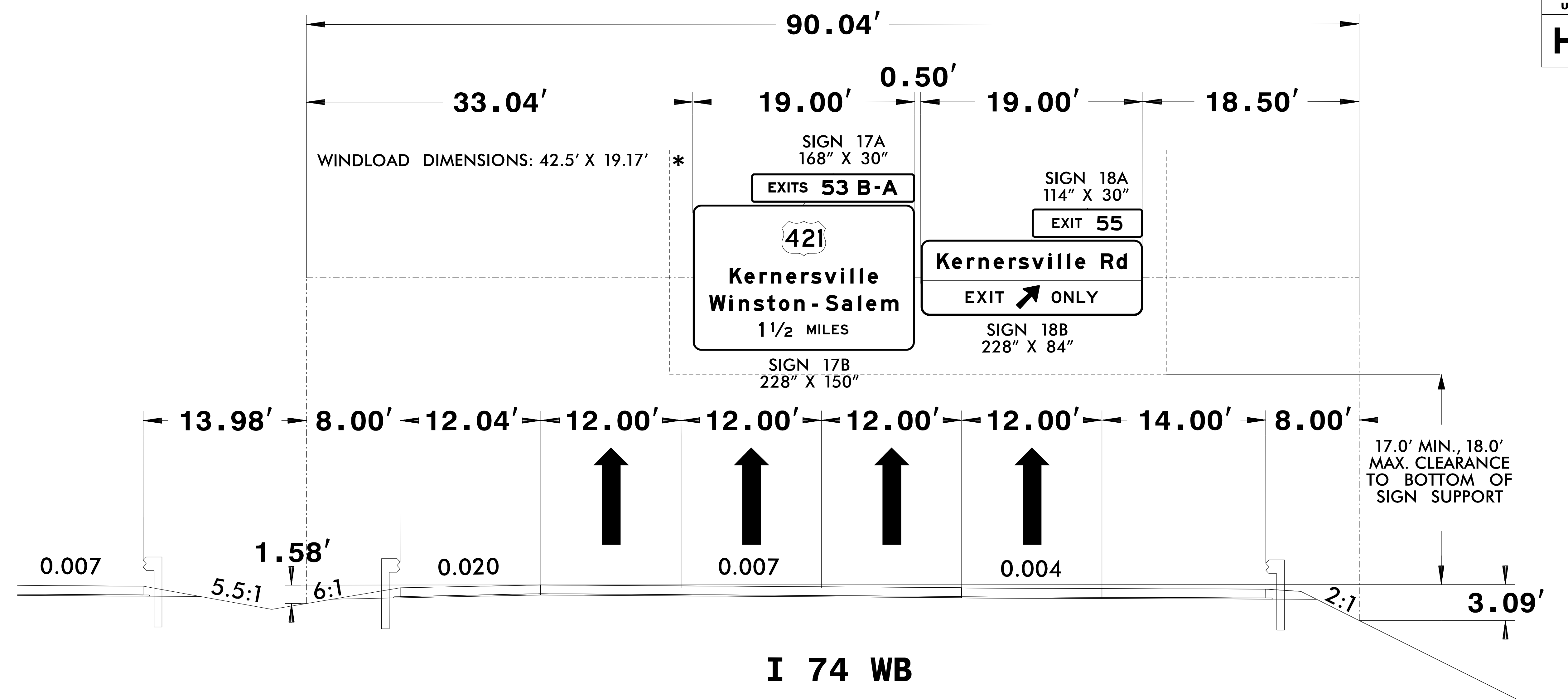
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Overhead Assembly "H"
Sta. 757+00 -L-

PROJECT REFERENCE NO. U-2579AB	SHEET NO. SIGN-4CC
 10/13/2021	
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MOUNT SIGNS VERTICALLY CENTERED ON HORIZONTAL MEMBER OF STRUCTURE.

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**Overhead Assembly "I"
Sta. 737+50 -L-**

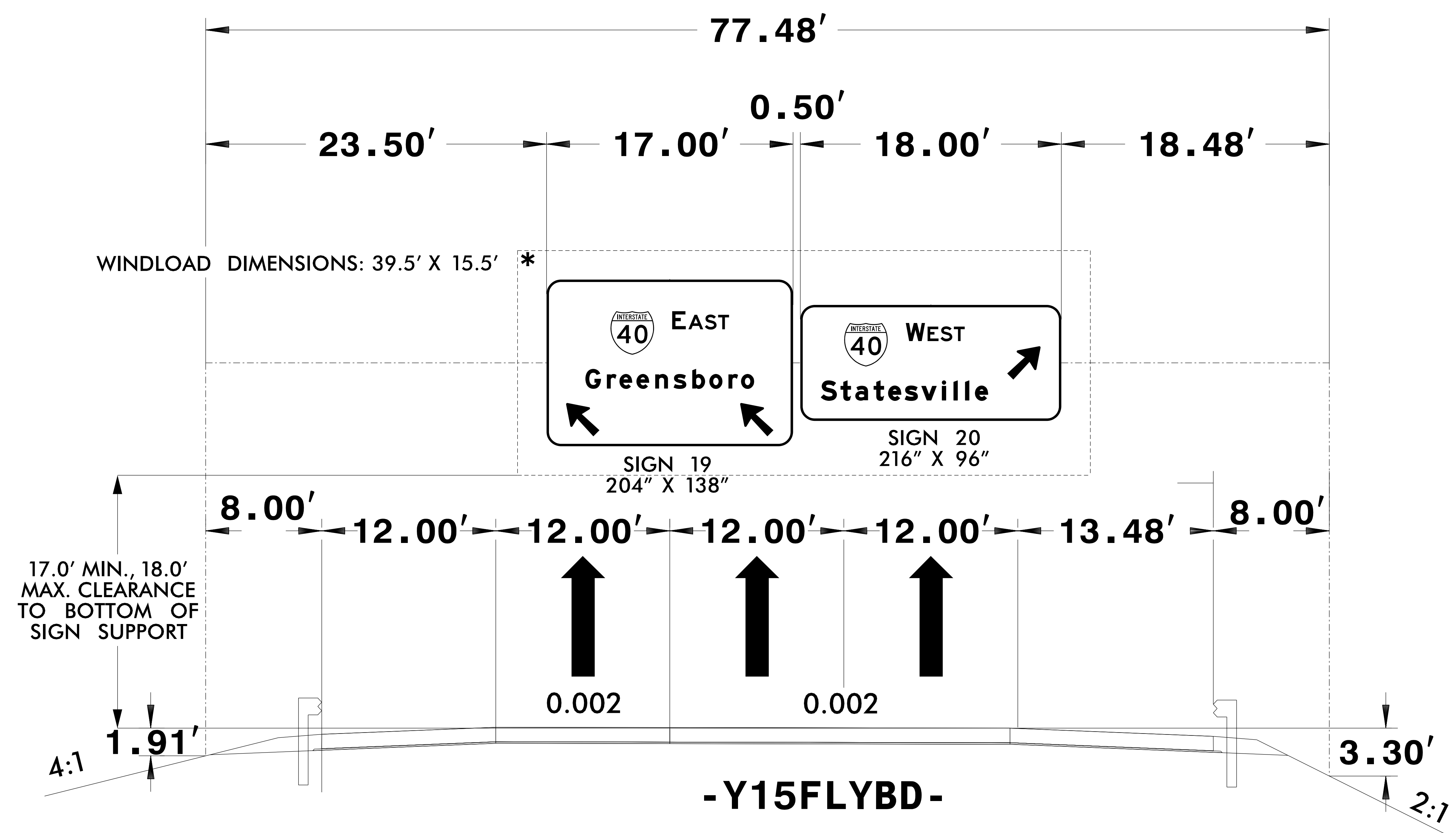
PROJECT REFERENCE NO. U-2579AB	SHEET NO. SIGN-4DD
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10/13/2021

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MOUNT SIGNS VERTICALLY CENTERED ON HORIZONTAL MEMBER OF STRUCTURE.

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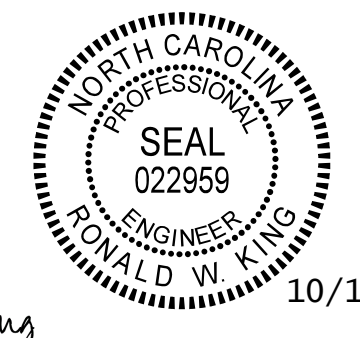

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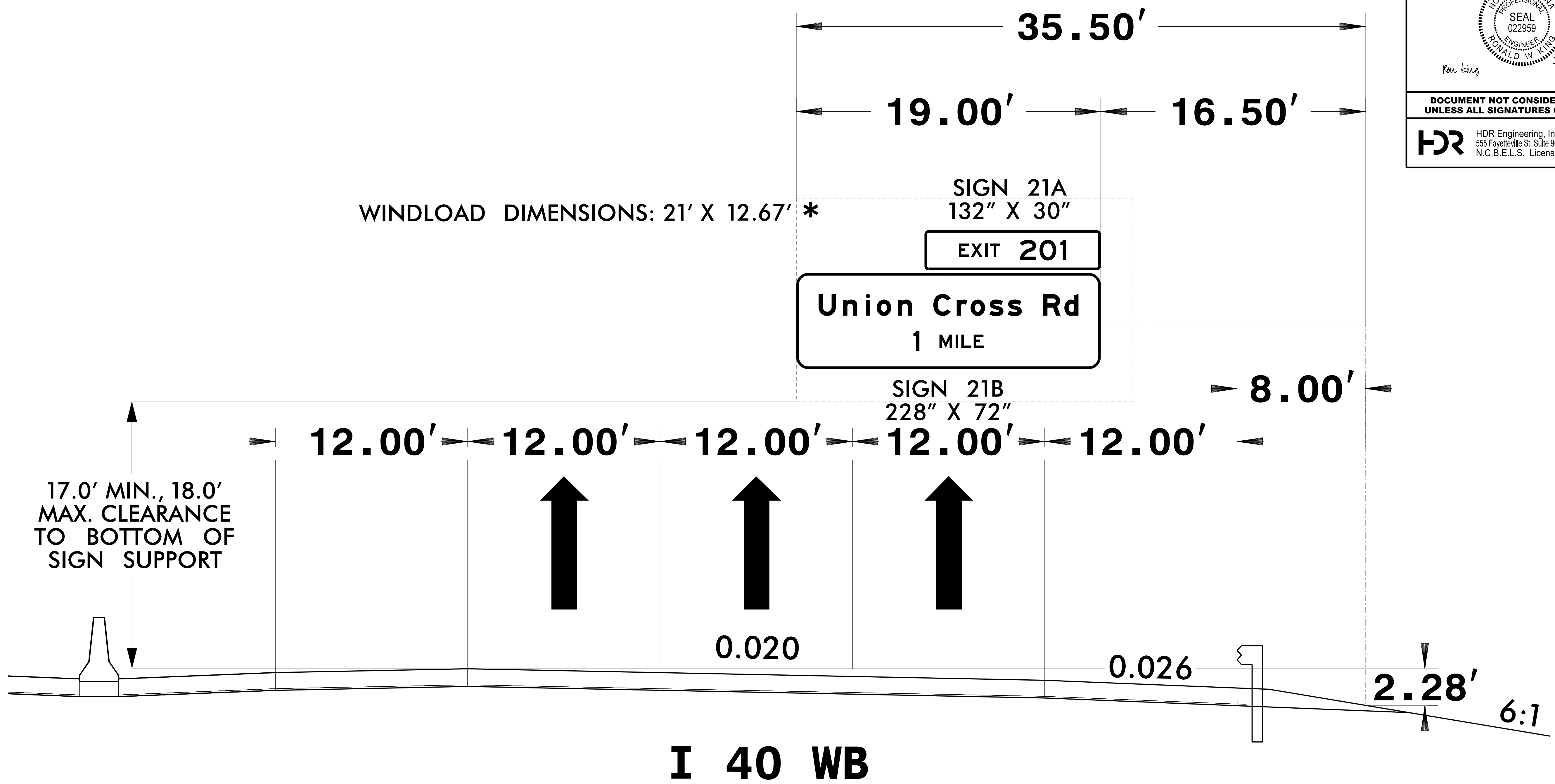
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Overhead Assembly "J"
Sta. 26+37 -Y15FLYBD-

PROJECT REFERENCE NO. U-2579AB	SHEET NO. SIGN-4EE
 10/13/2021 Ron King	
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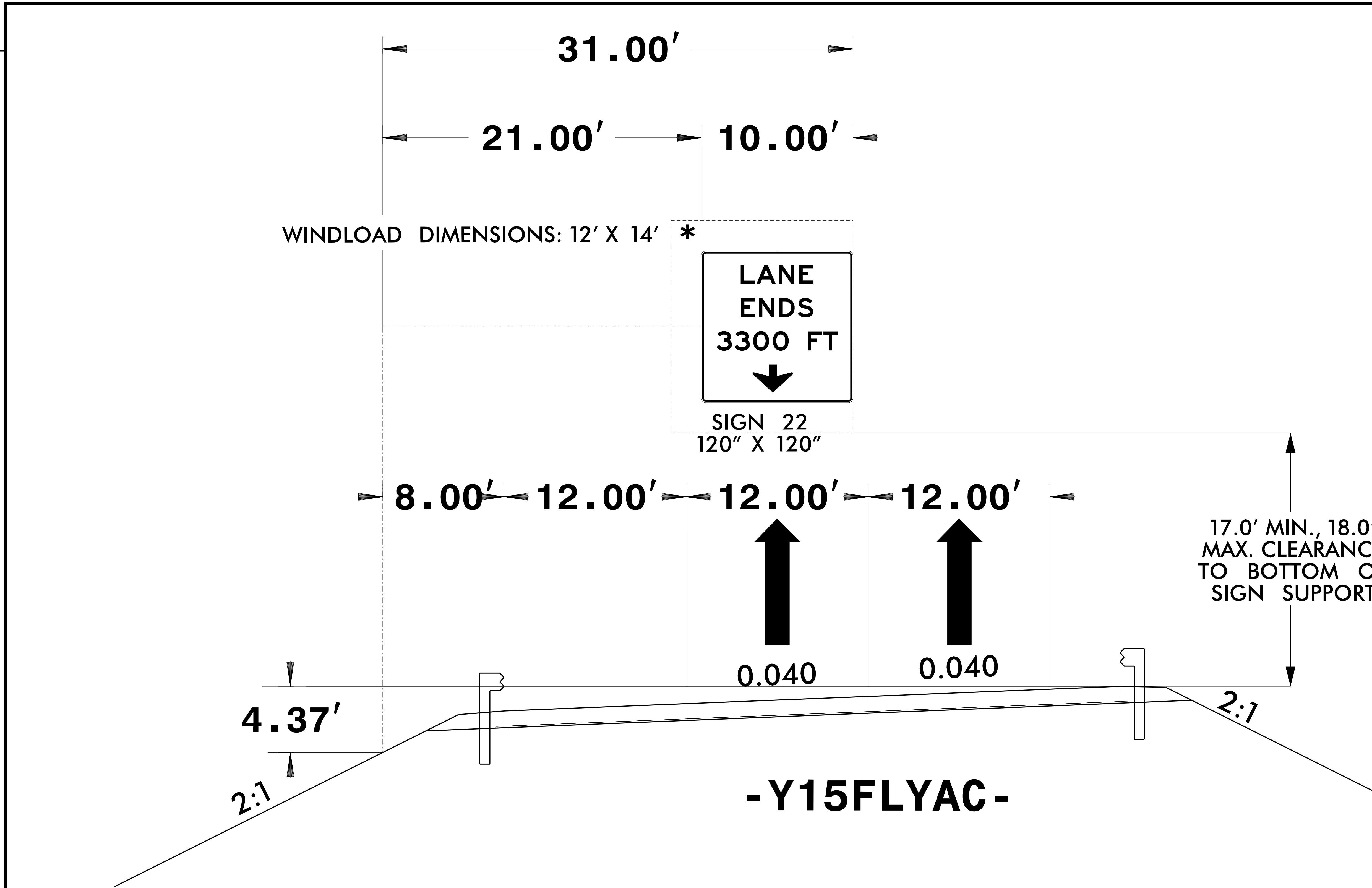
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**Overhead Assembly "K"
Sta. 56+00 -Y15REV-**

PROJECT REFERENCE NO. U-2579AB	SHEET NO. SIGN-4FF
10/13/2021 Ron King	
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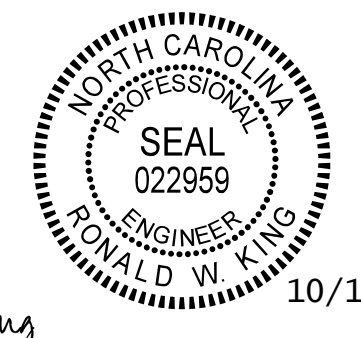

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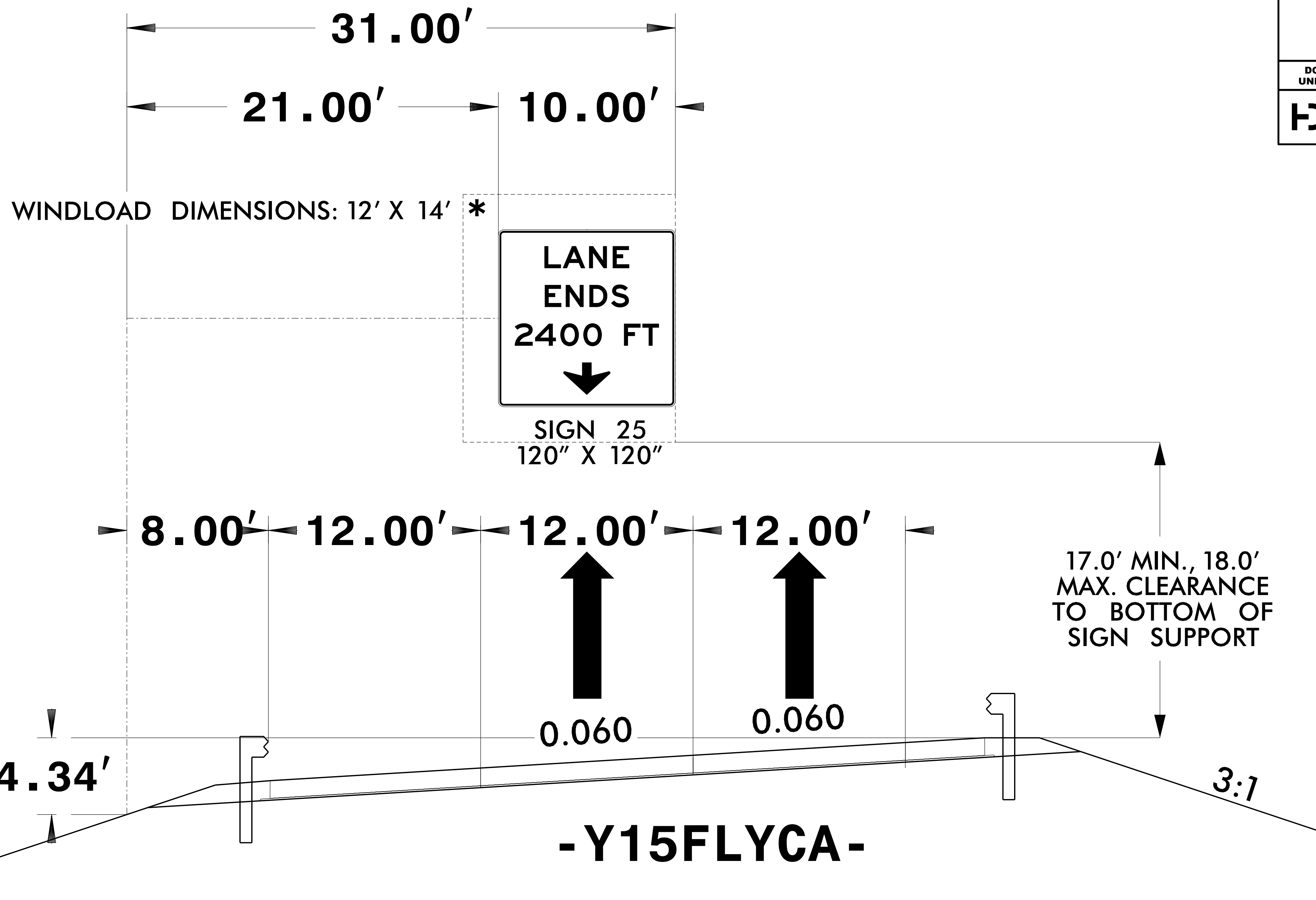
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**Overhead Assembly "L"
Sta. 47+00 -Y15FLYAC-**

PROJECT REFERENCE NO. U-2579AB	SHEET NO. SIGN-4GG
 10/13/2021 <i>Ron King</i>	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
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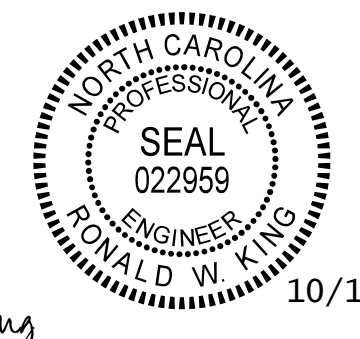
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Overhead Assembly "M"
Sta. 52+00 -Y15FLYCA-

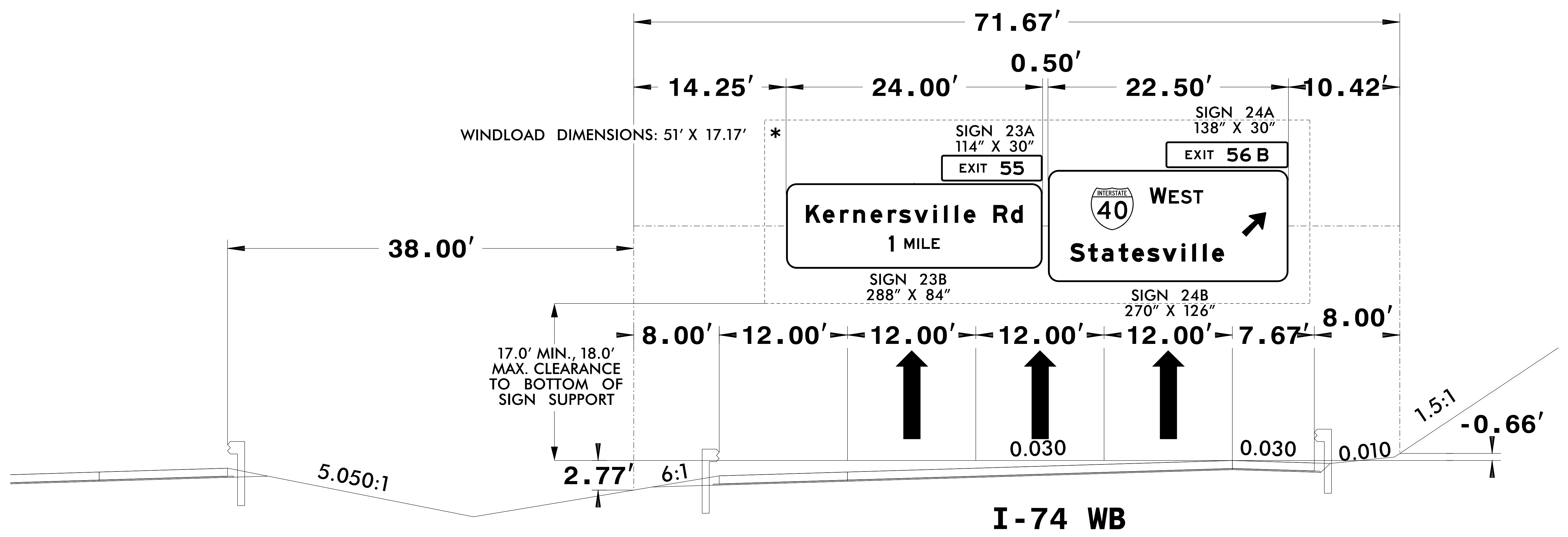
PROJECT REFERENCE NO. U-2579AB	SHEET NO. SIGN-4HH
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10/13/2021

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N.C.B.E.L.S. License Number: F-0116



IF THE CONTRACTOR BIDS ALUMINUM SIGN STRUCTURE, EACH SHALL BE PROVIDED WITH AN APPROVED HIGHWAY TRUSS DAMPER DEVICE IN ACCORDANCE WITH AASHTO SPECIFICATIONS.

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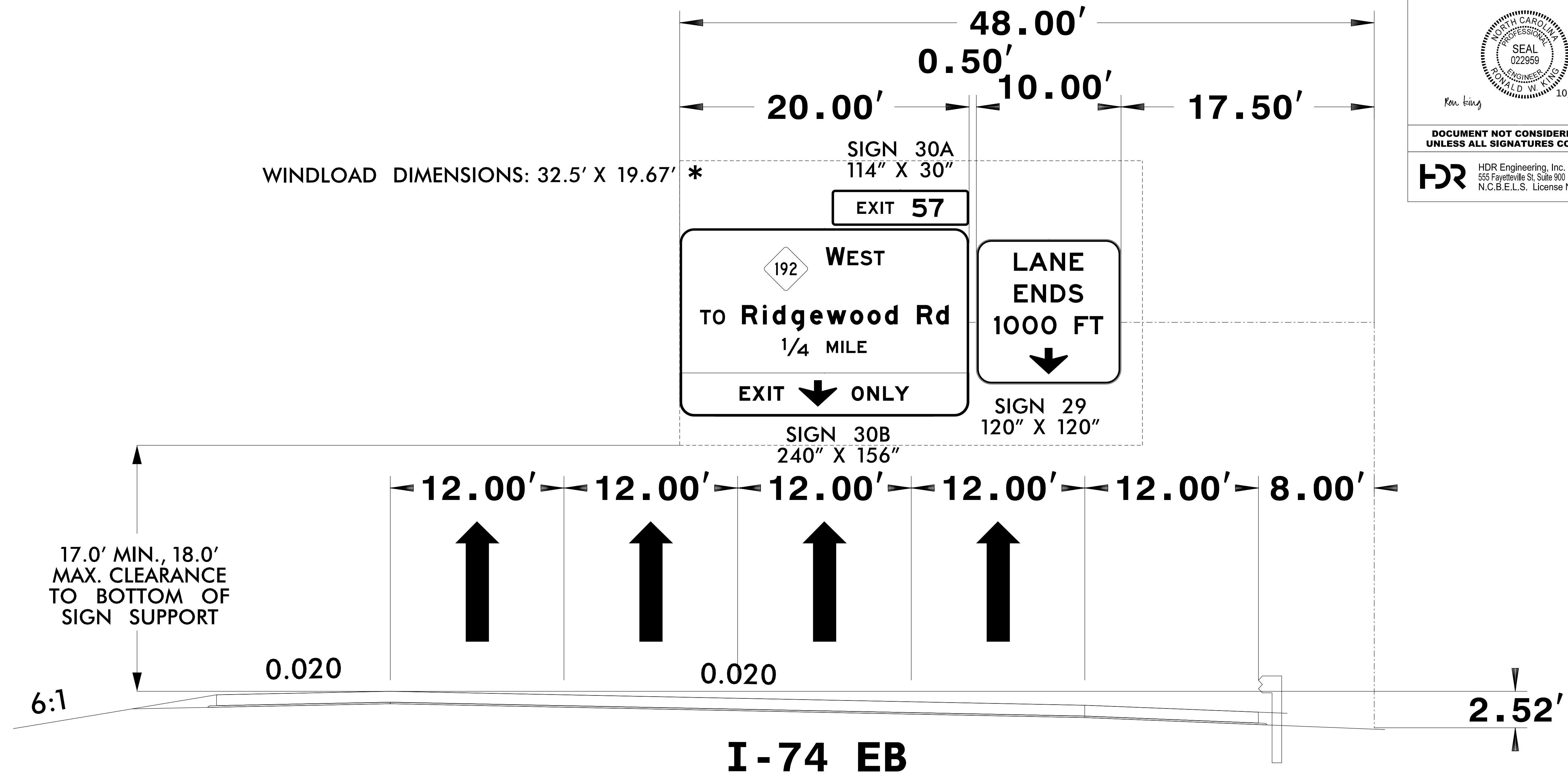
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**Overhead Assembly "N"
Sta. 794+00 -L-**

PROJECT REFERENCE NO. U-2579AB	SHEET NO. SIGN-4II
 10/13/2021 Ron King	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
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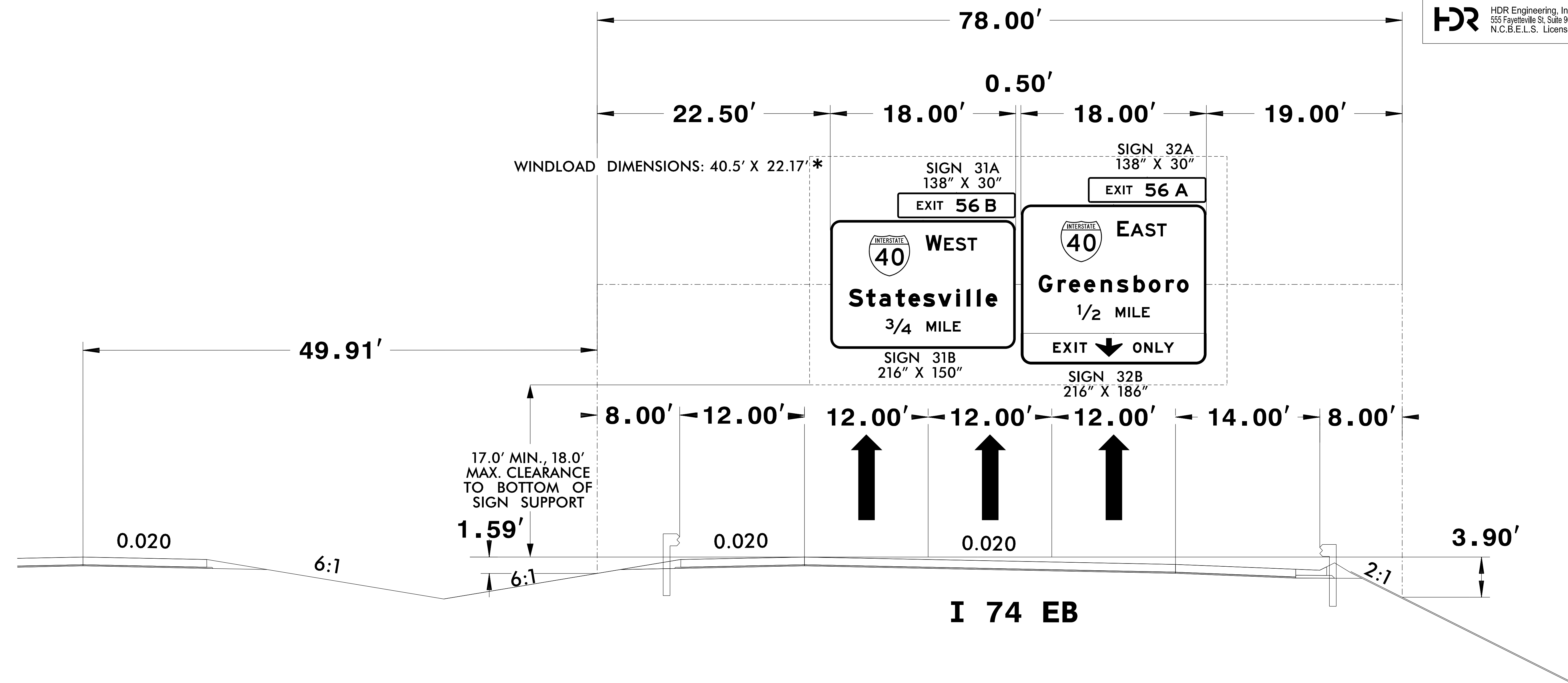
Overhead Assembly "0"
Sta. 826+00 -L-

PROJECT REFERENCE NO. U-2579AB	SHEET NO. SIGN-4JJ
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10/13/2021

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N.C.B.E.L.S. License Number: F-0116



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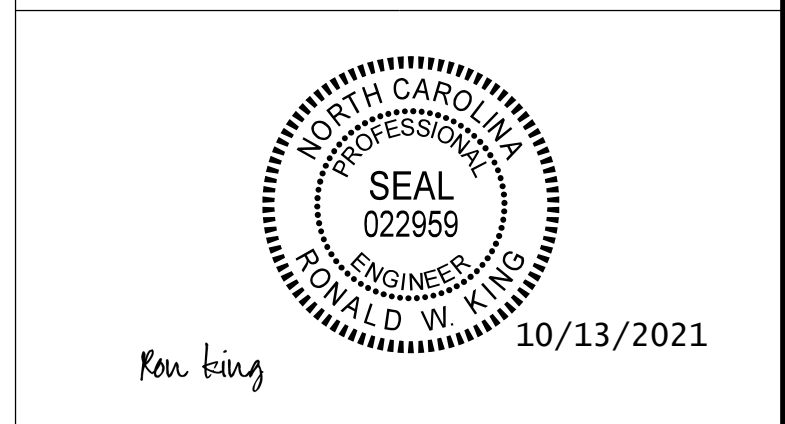
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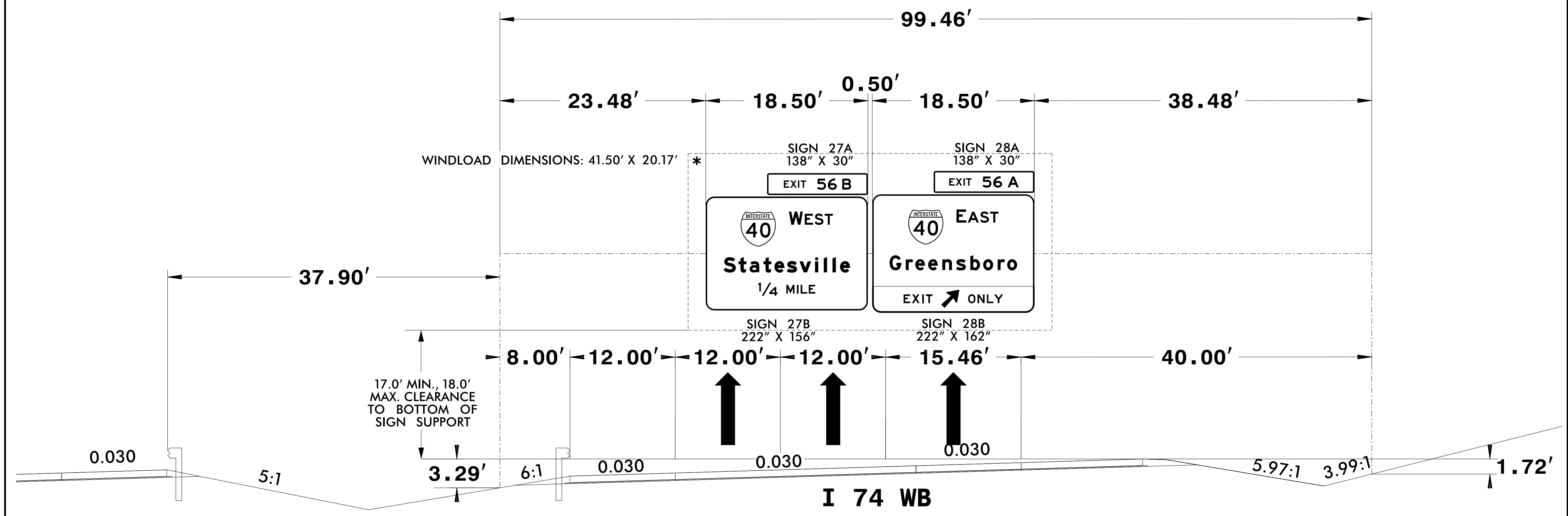
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Overhead Assembly "P"
Sta. 835+50 -L-



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N.C.B.E.L.S. License Number: F-0116



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THE TOP OF THE FOOTING SHALL EXTEND AT LEAST 4 INCHES AND NOT MORE THAN 24 INCHES ABOVE THE HIGHEST POINT OF THE GROUND SURFACE AT THE FOOTING.

SIGN HANGERS AND ATTACHMENT HARDWARE SHALL BE PROVIDED AND INSTALLED ON THE ASSEMBLY TO ACCOMMODATE ALL SIGNS SHOWN IN THIS PLAN SHEET.

DESIGN AND CONSTRUCTION REQUIREMENTS FOR SIGN STRUCTURES SHALL ACCOMMODATE WIND VELOCITY OF 90 M.P.H.

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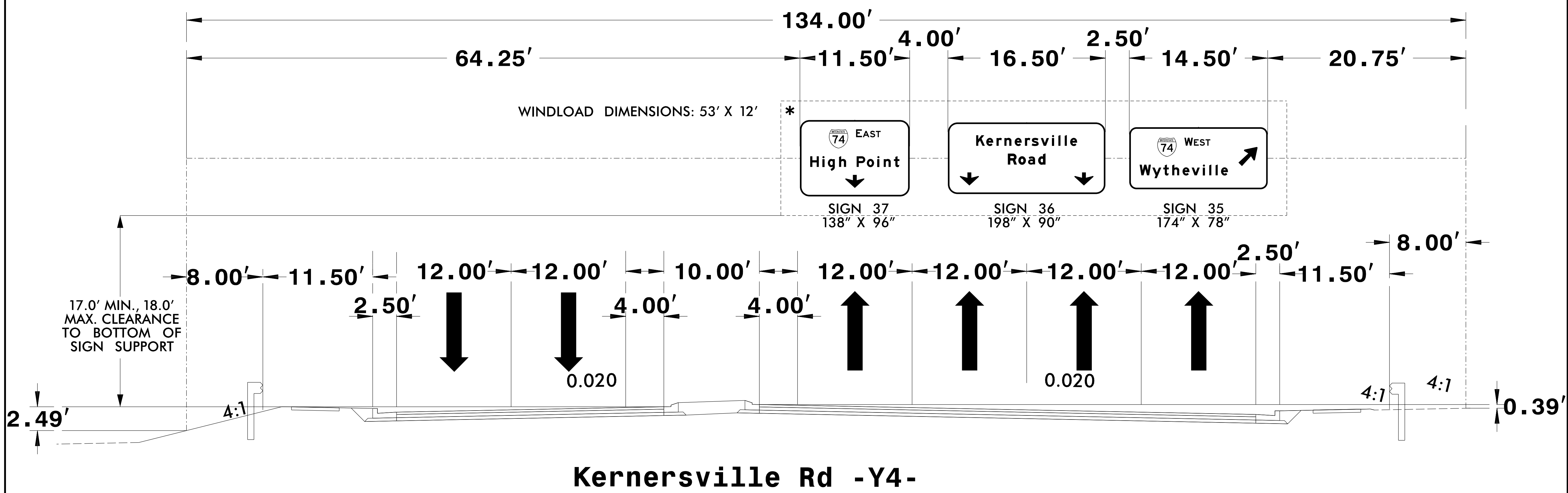
Overhead Assembly "Q"
Sta. 819+00 -L-

PROJECT REFERENCE NO. U-2579AB	SHEET NO. SIGN-4LL
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10/13/2021

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555 Fayetteville St. Suite 900 Raleigh, N.C. 27601
N.C.B.E.L.S. License Number: F-0116



IF THE CONTRACTOR BIDS ALUMINUM SIGN STRUCTURE, EACH SHALL BE PROVIDED WITH AN APPROVED HIGHWAY TRUSS DAMPER DEVICE IN ACCORDANCE WITH AASHTO SPECIFICATIONS.

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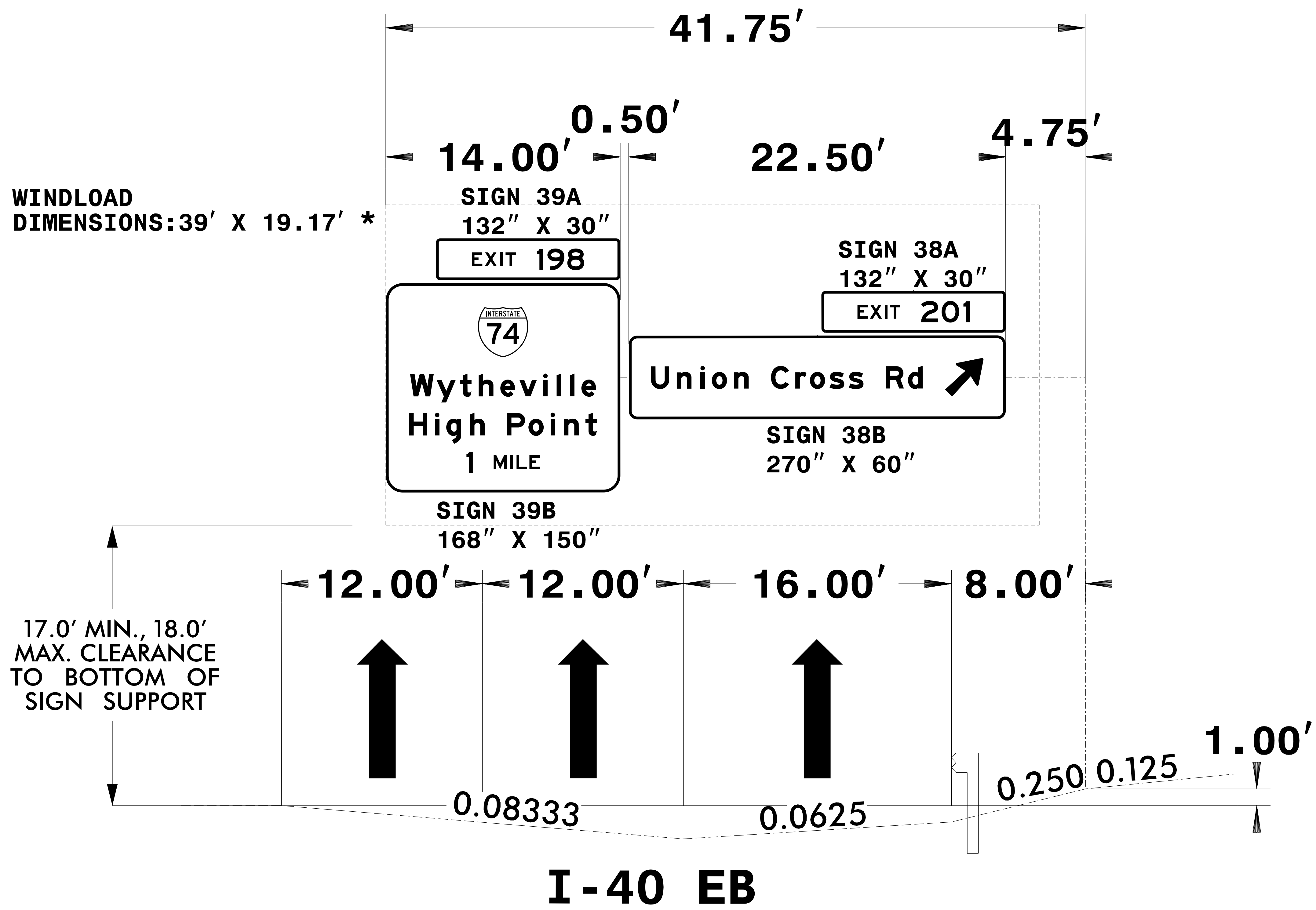
**Overhead Assembly "R"
Sta. 20+87 -Y4-**

PROJECT REFERENCE NO. U-2579AB	SHEET NO. SIGN-4MM
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10/13/2021

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**Overhead Assembly "S"
(SEE SIGN-13 FOR LOCATION)**

PROJECT REFERENCE NO. U-2579AB	SHEET NO. SIGN-4NN
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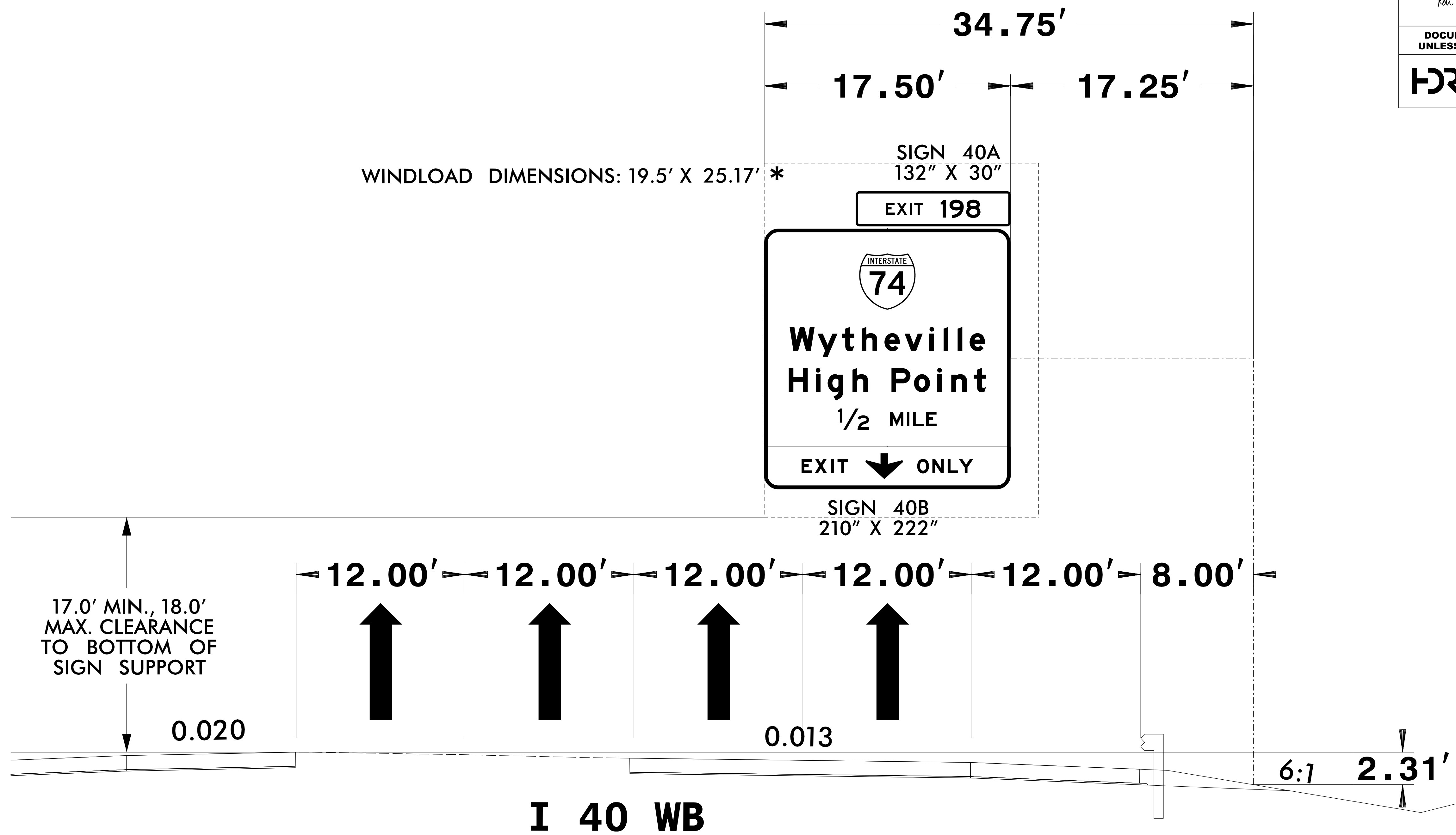


Ronald W. King
10/13/2021

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N.C.B.E.L.S. License Number: F-0116



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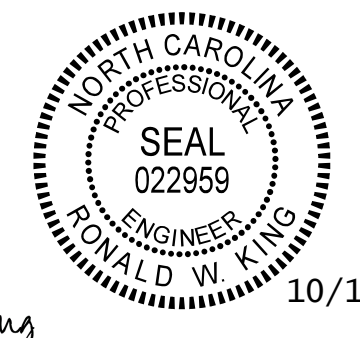

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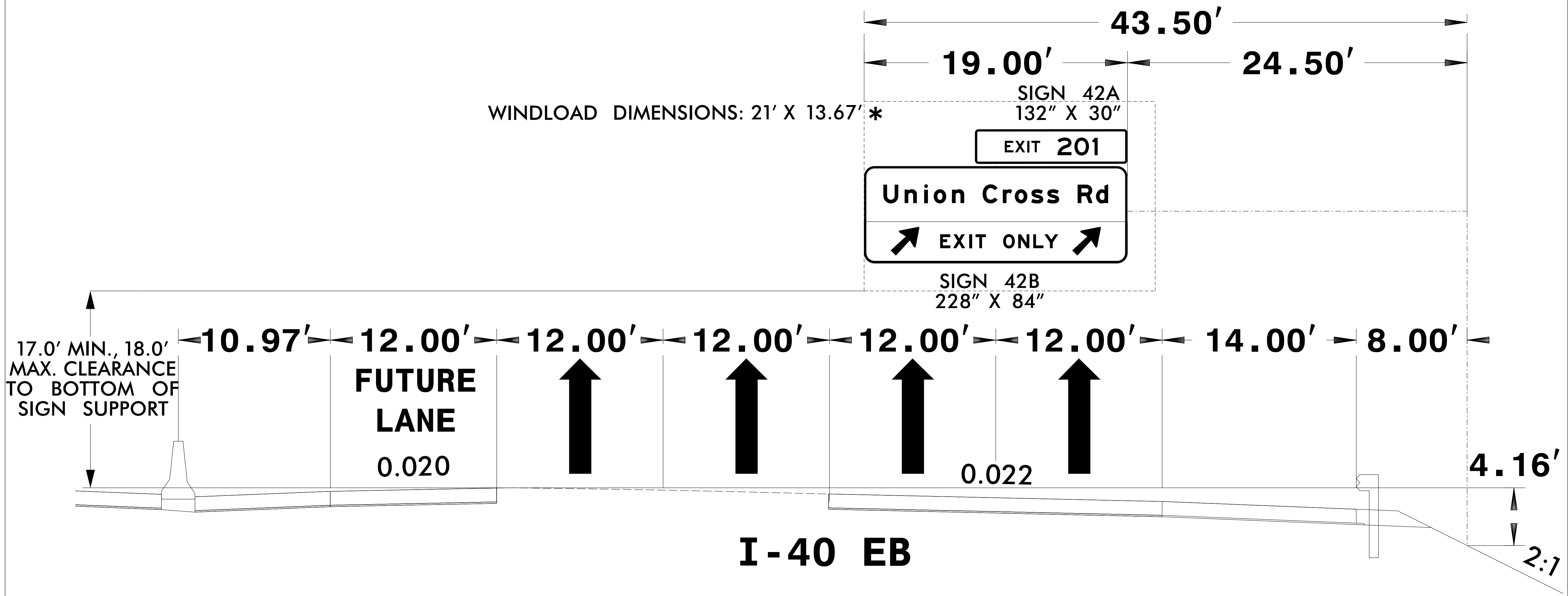
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**Overhead Assembly "T"
Sta. 160+00 -Y15-**

PROJECT REFERENCE NO. U-2579AB	SHEET NO. SIGN-400
 10/13/2021 <i>Ron King</i>	
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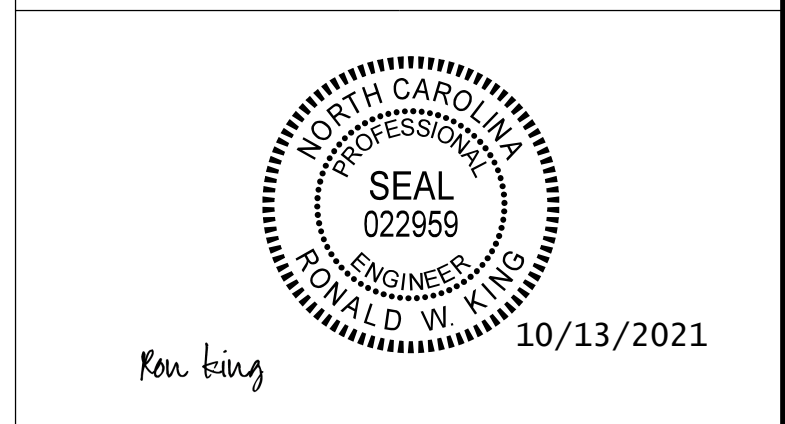
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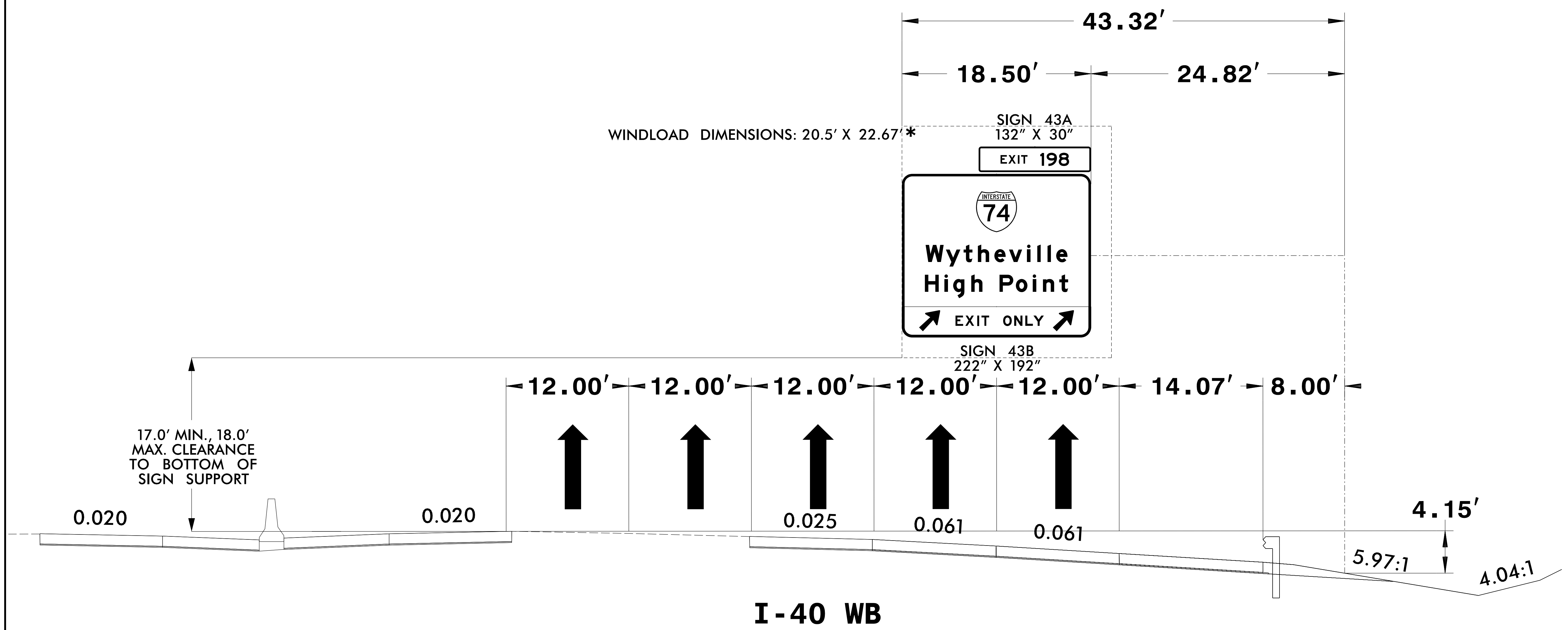
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Overhead Assembly "U"
Sta. 160+85 -Y15-



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N.C.B.E.L.S. License Number: F-0116



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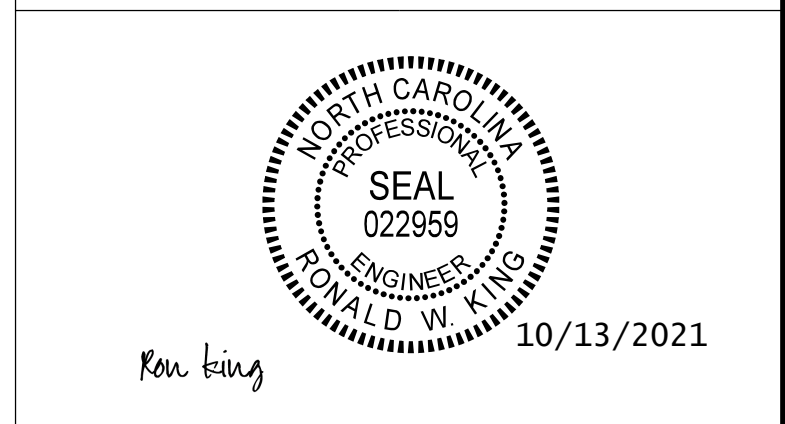
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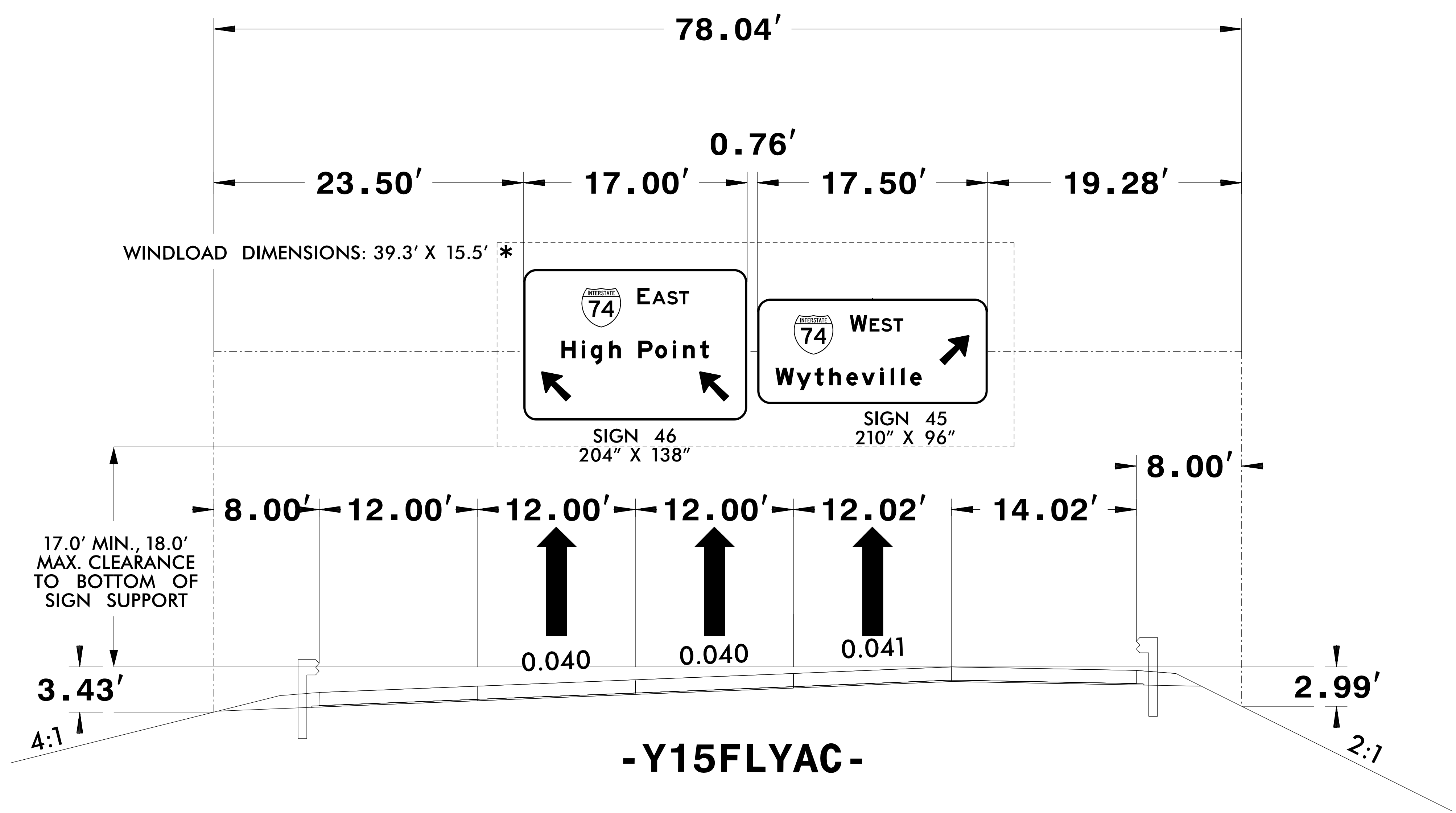
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Overhead Assembly "V"
Sta. 89+70 -Y15REV-



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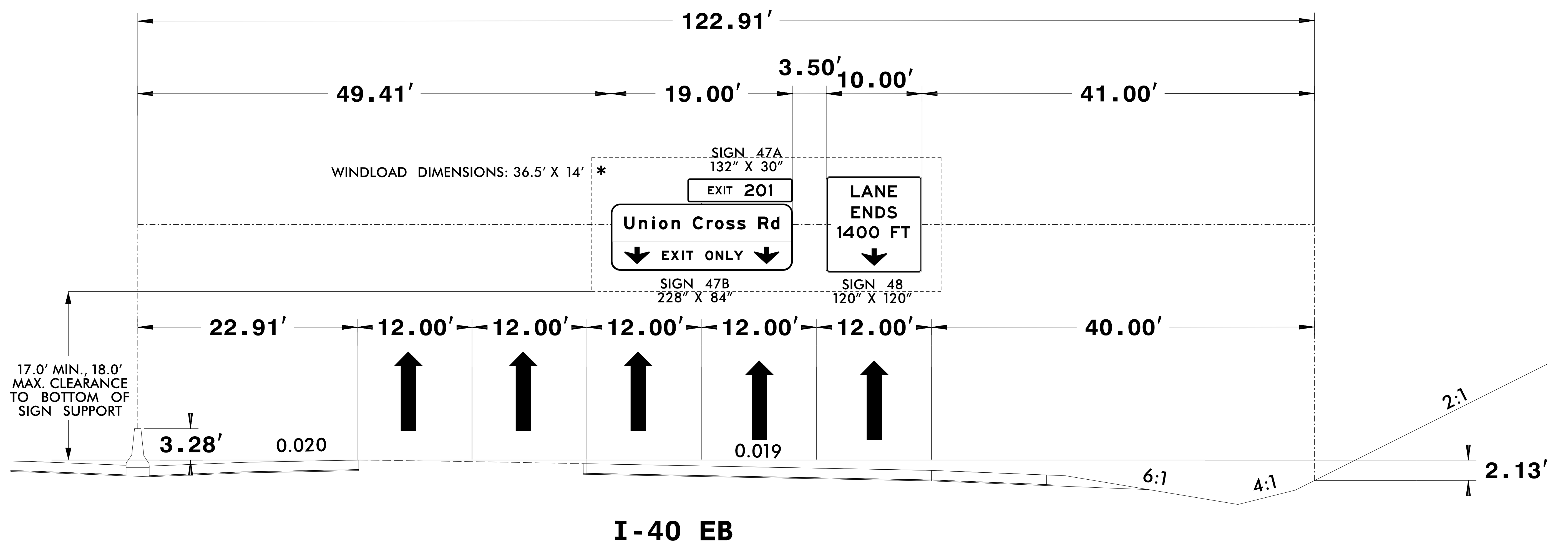
**Overhead Assembly "W"
Sta. 32+00 -Y15FLYAC-**

PROJECT REFERENCE NO. U-2579AB	SHEET NO. SIGN-4RR
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10/13/2021

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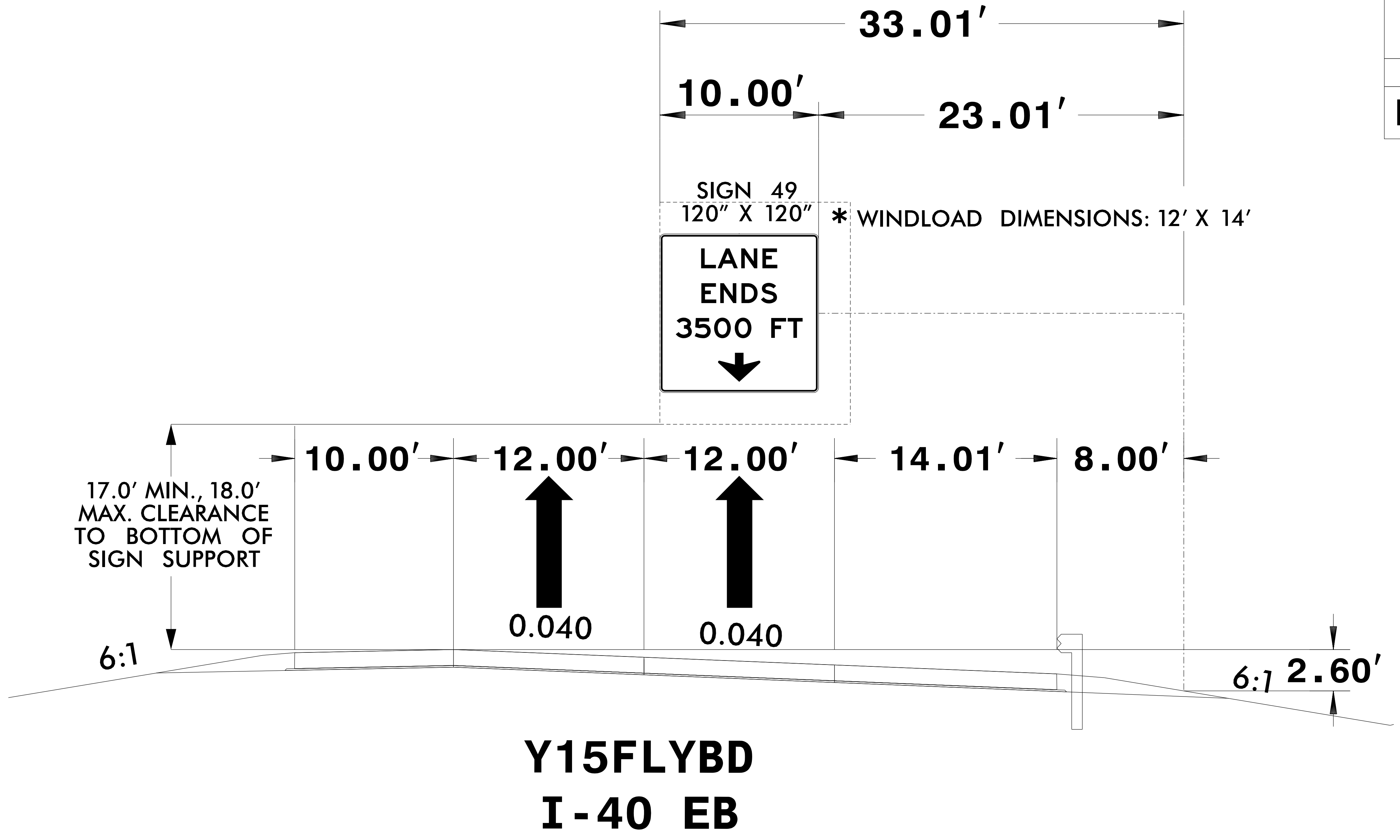
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**Overhead Assembly "X"
Sta. 91+50 -Y15REV-**

PROJECT REFERENCE NO. U-2579AB	SHEET NO. SIGN-4SS
 10/13/2021 <i>Ron King</i>	
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**Y15FLYBD
I-40 EB**

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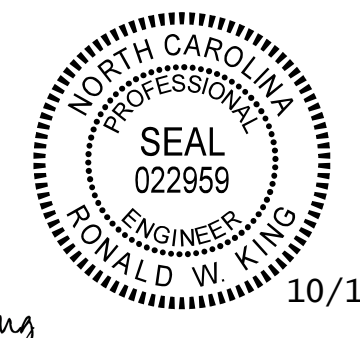

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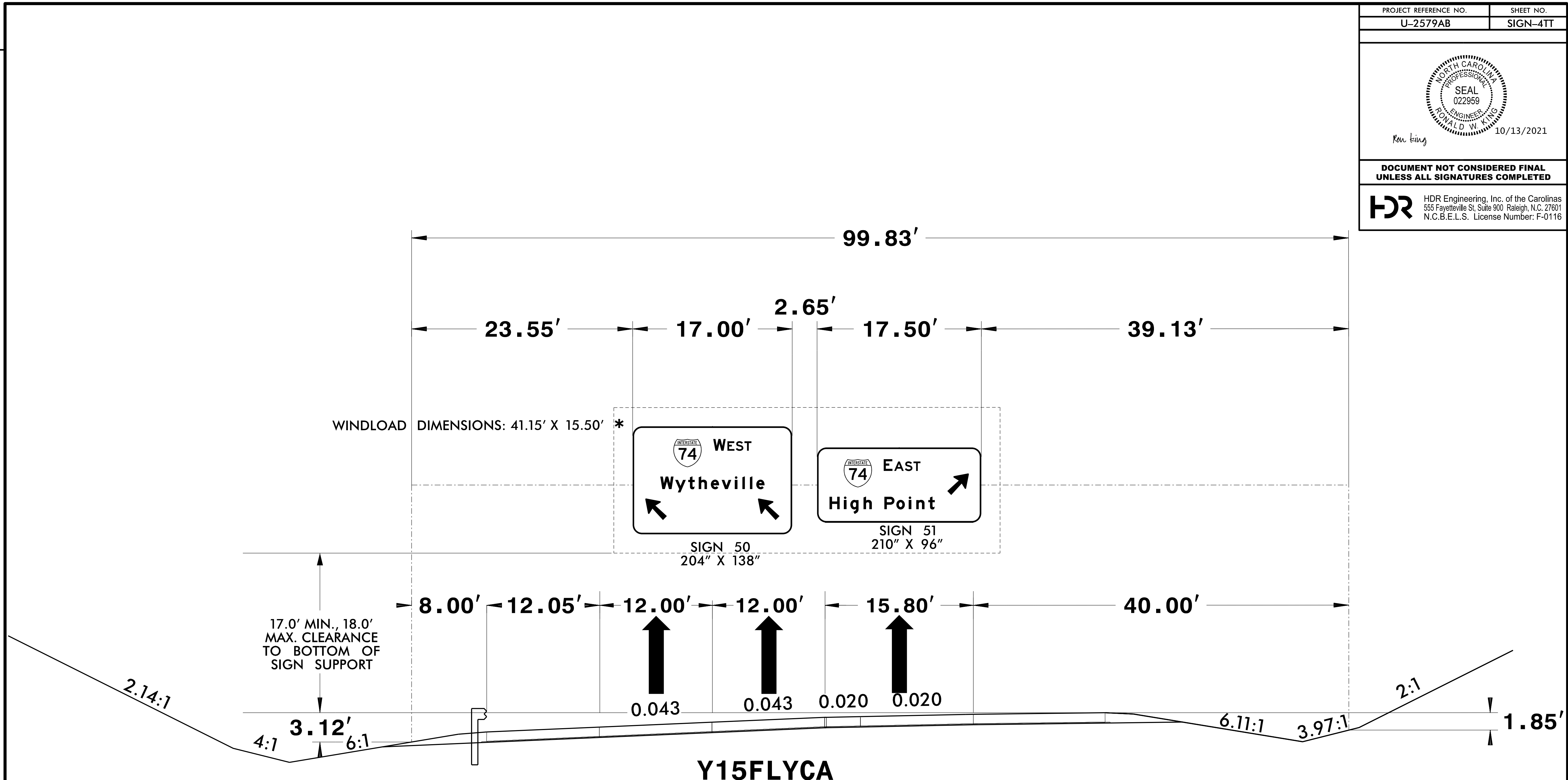
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**Overhead Assembly "Y"
Sta. 76+25 -Y15FLYBD-**

PROJECT REFERENCE NO. U-2579AB	SHEET NO. SIGN-4TT
 10/13/2021 Ron King	
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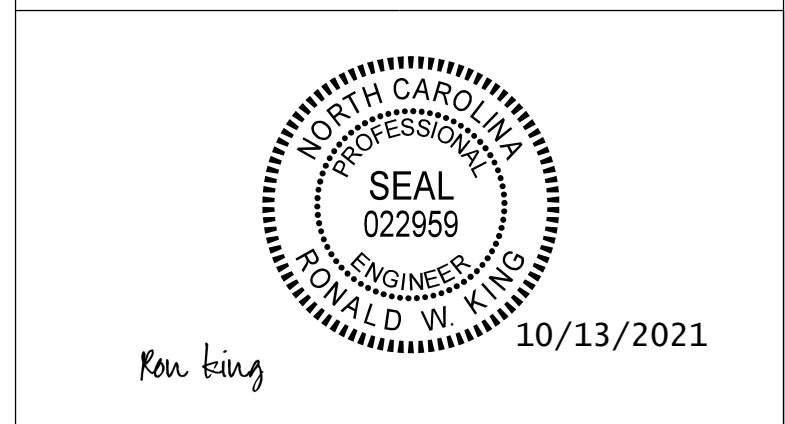
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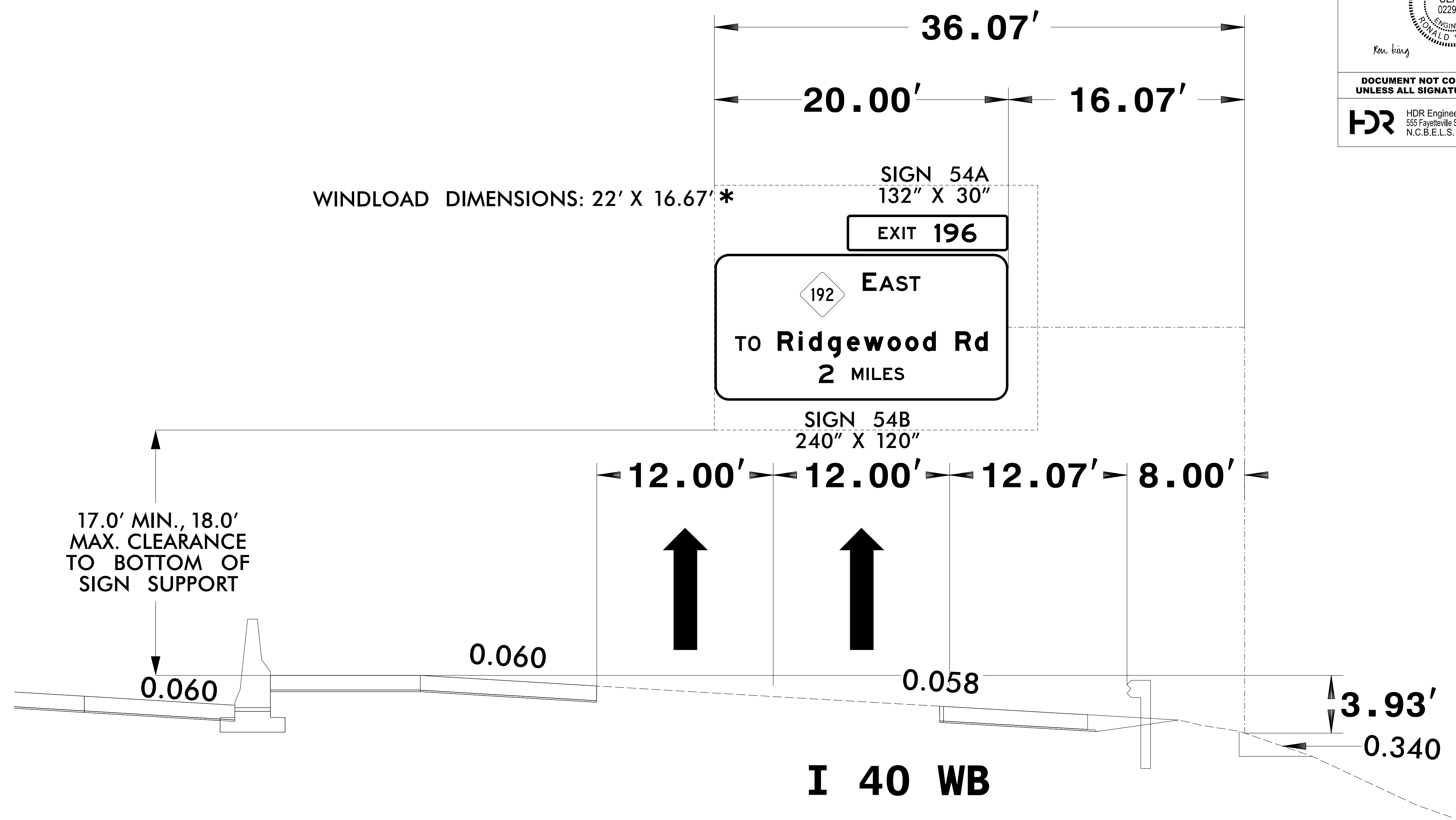
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- THE WINDLOAD AREA HEIGHT SHALL EXTEND 2' BELOW THE BOTTOM OF EACH SIGN AND 2' ABOVE THE TOP OF EACH SIGN, INCLUDING SECONDARY AND SUPPLEMENTAL SIGNS AS WELL AS THE SPACING BETWEEN SIGNS ACCORDING TO RSD No. 904.20, AND EXCLUDING TEMPORARY "ALL TRAFFIC EXIT" SIGNS. THE MINIMUM VERTICAL CLEARANCE SHALL BE MEASURED FROM THE BOTTOM OF THE LOWEST WINDLOAD AREA.

Overhead Assembly "Z"
Sta. 34+68 -Y15FLYCA-



**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



IF THE CONTRACTOR BIDS ALUMINUM SIGN STRUCTURE, EACH SHALL BE PROVIDED WITH AN APPROVED HIGHWAY TRUSS DAMPER DEVICE IN ACCORDANCE WITH AASHTO SPECIFICATIONS.

MOUNT SIGNS VERTICALLY CENTERED ON HORIZONTAL MEMBER OF STRUCTURE.

FIELD VERIFICATION SHALL BE REQUIRED FOR ALL FOOTING ELEVATIONS, PER THE LATEST NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES. PROVIDE FIELD VERIFICATION TO THE SIGNING SECTION.

THE TOP OF THE FOOTING SHALL EXTEND AT LEAST 4 INCHES AND NOT MORE THAN 24 INCHES ABOVE THE HIGHEST POINT OF THE GROUND SURFACE AT THE FOOTING.

SIGN HANGERS AND ATTACHMENT HARDWARE SHALL BE PROVIDED AND INSTALLED ON THE ASSEMBLY TO ACCOMMODATE ALL SIGNS SHOWN IN THIS PLAN SHEET.

DESIGN AND CONSTRUCTION REQUIREMENTS FOR SIGN STRUCTURES SHALL ACCOMMODATE WIND VELOCITY OF 90 M.P.H.

* THE FOLLOWING DIMENSIONS SHALL BE USED FOR WIND LOAD AND DEAD LOAD COMPUTATIONS IN DESIGN OF STRUCTURE AND FOOTING:

- THE WINDLOAD AREA WIDTH SHALL EXTEND 2' OUTSIDE THE PROPOSED PRIMARY SIGN ON EACH SIDE OF THE SIGN. IN CASES WHERE THE WIND LOAD AREAS OF TWO SIGNS INTERSECT, THE TALLER AREA SHALL TAKE PRIORITY. FOR CANTILEVER STRUCTURES, THE WIND LOAD AREA SHALL BE FLUSH WITH THE EDGE OF THE PRIMARY SIGN AT THE CANTILEVERED END, SUCH THAT THE WIND LOAD AREAS DO NOT EXTEND PAST THE END OF A CANTILEVER SIGN STRUCTURE
- THE WINDLOAD AREA HEIGHT SHALL EXTEND 2' BELOW THE BOTTOM OF EACH SIGN AND 2' ABOVE THE TOP OF EACH SIGN, INCLUDING SECONDARY AND SUPPLEMENTAL SIGNS AS WELL AS THE SPACING BETWEEN SIGNS ACCORDING TO RSD No. 904.20, AND EXCLUDING TEMPORARY "ALL TRAFFIC EXIT" SIGNS. THE MINIMUM VERTICAL CLEARANCE SHALL BE MEASURED FROM THE BOTTOM OF THE LOWEST WINDLOAD AREA.

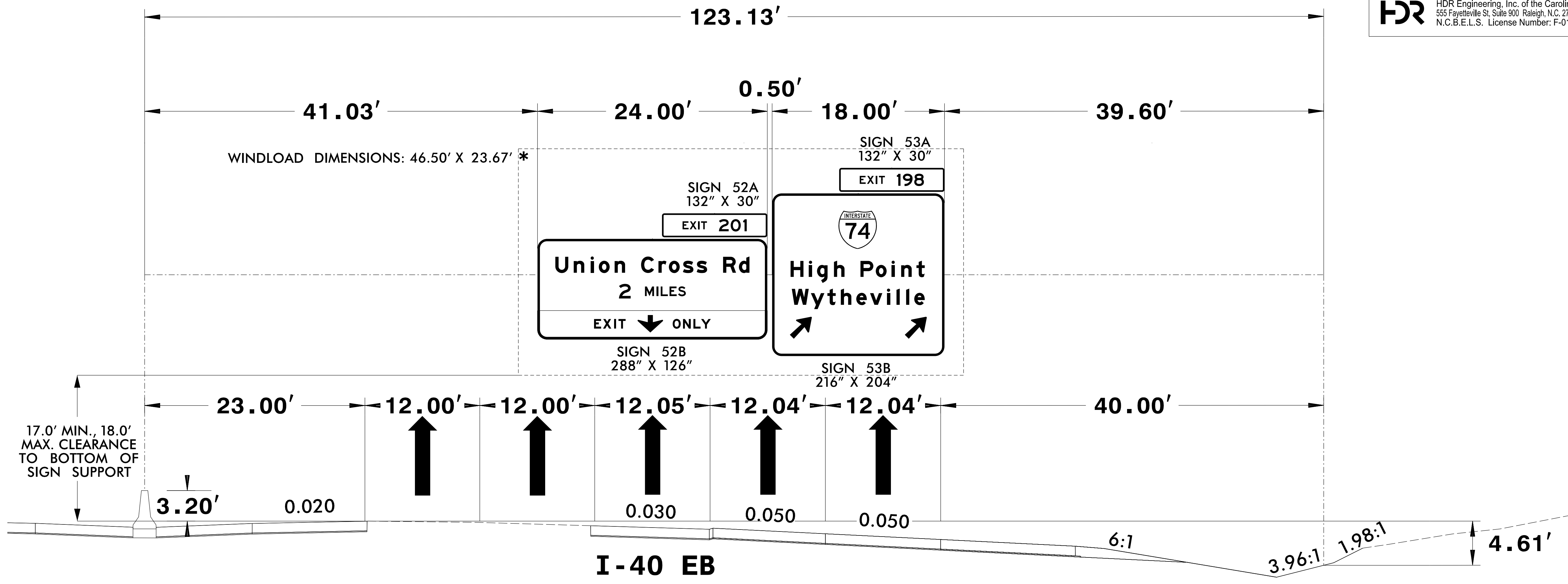
**Overhead Assembly "AA"
Sta. 32+00 -Y15-**

PROJECT REFERENCE NO. U-2579AB	SHEET NO. SIGN-4VV
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10/13/2021

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HDR HDR Engineering, Inc. of the Carolinas
555 Fayetteville St. Suite 900 Raleigh, N.C. 27601
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IF THE CONTRACTOR BIDS ALUMINUM SIGN STRUCTURE, EACH SHALL BE PROVIDED WITH AN APPROVED HIGHWAY TRUSS DAMPER DEVICE IN ACCORDANCE WITH AASHTO SPECIFICATIONS.

MOUNT SIGNS VERTICALLY CENTERED ON HORIZONTAL MEMBER OF STRUCTURE.

FIELD VERIFICATION SHALL BE REQUIRED FOR ALL FOOTING ELEVATIONS, PER THE LATEST NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES. PROVIDE FIELD VERIFICATION TO THE SIGNING SECTION.

THE TOP OF THE FOOTING SHALL EXTEND AT LEAST 4 INCHES AND NOT MORE THAN 24 INCHES ABOVE THE HIGHEST POINT OF THE GROUND SURFACE AT THE FOOTING.

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Overhead Assembly "BB"
Sta. 50+46 -Y15-