

T.I.P.: I-6001

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
WAKE/FRANKLIN COUNTIES

LOCATION: US 64 FROM ROLESVILLE ROAD TO FRANKLINNASH COUNTY LINE

TIP NO.
I -6001

SHEET NO.
SIGN-1

APPROVED:

Designed by:
William J. Hamilton

Reviewed by:
[Signature]

DATE: 07/10/2025

SEAL

NORTH CAROLINA
PROFESSIONAL
ENGINEER
WILLIAM J. HAMILTON

SEAL
032396

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

THIS PLAN SUPERSEDES PLANS
SIGNED/SEALED ON 05/14/2025

ROADWAY STANDARD DRAWING

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" - PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2024 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

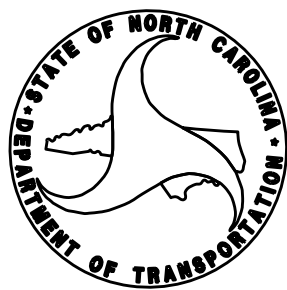
STD. NO.	TITLE
901.10	TYPE "A" SIGNS
901.20	TYPE "B" SIGNS
901.50	ARROWS AND SHIELDS
901.70	SIGN STRINGERS AND SUPPORT SPACING
901.80	SIGN MOUNTING DETAILS - FOR TYPE "A" AND "B" SIGNS
904.10	ORIENTATION OF GROUND MOUNTED SIGNS
904.20	SECONDARY SIGN MOUNTING
904.30	SUPPLEMENTAL SIGN MOUNTING
904.50	MOUNTING OF TYPE "D", "E", AND "F" SIGNS ON U-CHANNEL POSTS

SUMMARY OF QUANTITIES

ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4072000000	903	SUPPORTS, 3 LB STEEL U-CHANNEL	1,200	L.F.
4102000000	904	SIGN ERECTION, TYPE E	29	EA.
4108000000	904	SIGN ERECTION, TYPE F	5	EA.
4109000000	904	SIGN ERECTION, TYPE A (OVERHEAD)	11	EA.
4109000000	904	SIGN ERECTION, TYPE B (OVERHEAD)	10	EA.
4110000000	904	SIGN ERECTION, TYPE A (GROUND MOUNTED)	29	EA.
4110000000	904	SIGN ERECTION, TYPE B (GROUND MOUNTED)	14	EA.
4114000000	904	SIGN ERECTION, MILEMARKERS	26	EA.
4116100000	904	SIGN ERECTION, RELOCATE TYPE D (GROUND MOUNTED)	1	EA.
4192000000	907	DISPOSAL OF SUPPORT, U-CHANNEL	87	EA.
4234000000	907	DISPOSAL OF SIGN, A OR B (OVERHEAD)	21	EA.
4236000000	907	DISPOSAL OF SIGN, A OR B (GROUND MOUNTED)	43	EA.
4238000000	907	DISPOSAL OF SIGN, D, E, OR F	36	EA.
4238500000	907	DISPOSAL OF SIGN, MILEMARKER	7	EA.
4251000000	907	DISPOSAL OF LIGHTING SYSTEM	11	EA.
4263000000	907	DISPOSAL OF WALKWAY	11	EA.
4360000000	SP	CUTTING OF SIGN HANGERS, OVERHEAD	11	EA.

PLAN SUBMITTED TO: NCDOT SIGNING AND DELINEATION UNIT

<u>Mitch Eaton, PE</u>	SIGNING & DELINEATION REGIONAL ENGINEER
<u>Andrew Scott</u>	SIGNING & DELINEATION PROJECT DESIGN ENGINEER



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.
- . WHEN NOT STATIONED OR DIMENSIONED ON PLANS, ALL 'E' AND 'F' SIGNS SHALL BE FIELD LOCATED BY THE ENGINEER.
- . WHEN EXISTING SIGNS ARE REMOVED AND INSTALLED ON NEW SUPPORTS THE RE-ERECTION SHALL IMMEDIATELY FOLLOW THE REMOVAL.
- . THE BACKGROUND FOR TYPE E & F SIGNS SHALL BE TYPE C REFLECTIVE SHEETING.

PROJECT NOTES

1. DISPOSAL OF SIGN, A OR B (OVERHEAD)
2. SIGN ERECTION, TYPE A (OVERHEAD)
3. SIGN ERECTION, TYPE B (OVERHEAD)
4. DISPOSAL OF SIGN A OR B (GROUND MOUNTED)
5. SIGN ERECTION, TYPE A (GROUND MOUNTED)
6. SIGN ERECTION, TYPE B (GROUND MOUNTED)
7. DISPOSAL OF SIGN SYSTEM (U-CHANNEL)
8. SIGN ERECTION, TYPE E
9. SIGN ERECTION, TYPE F
10. SIGN ERECTION, MILEMARKERS
11. DISPOSAL OF WALKWAY
12. DISPOSAL OF LIGHTING SYSTEM
13. CUTTING OF SIGN HANGERS, OVERHEAD
14. SIGN ERECTION, RELOCATE TYPE D (GROUND MOUNTED)
15. DISPOSE EXISTING SUPPORT, U-CHANNEL

INDEX

SHEET NO.	DESCRIPTION
SIGN-1	TITLE SHEET
SIGN-1A-1C	ROADWAY STANDARD DRAWINGS
SIGN-2	TYPES "E" AND "F" SIGN SHEET
SIGN-3-3J	SIGN DESIGNS
SIGN-4-15	SIGNING PLAN SHEETS

PLAN PREPARED BY: Exult Engineering

<u>William J. Hamilton, PE, PTOE</u>	PROJECT ENGINEER
<u>Joshua A. Wendt, EI</u>	PROJECT ENGINEER



NC License
#C-4445

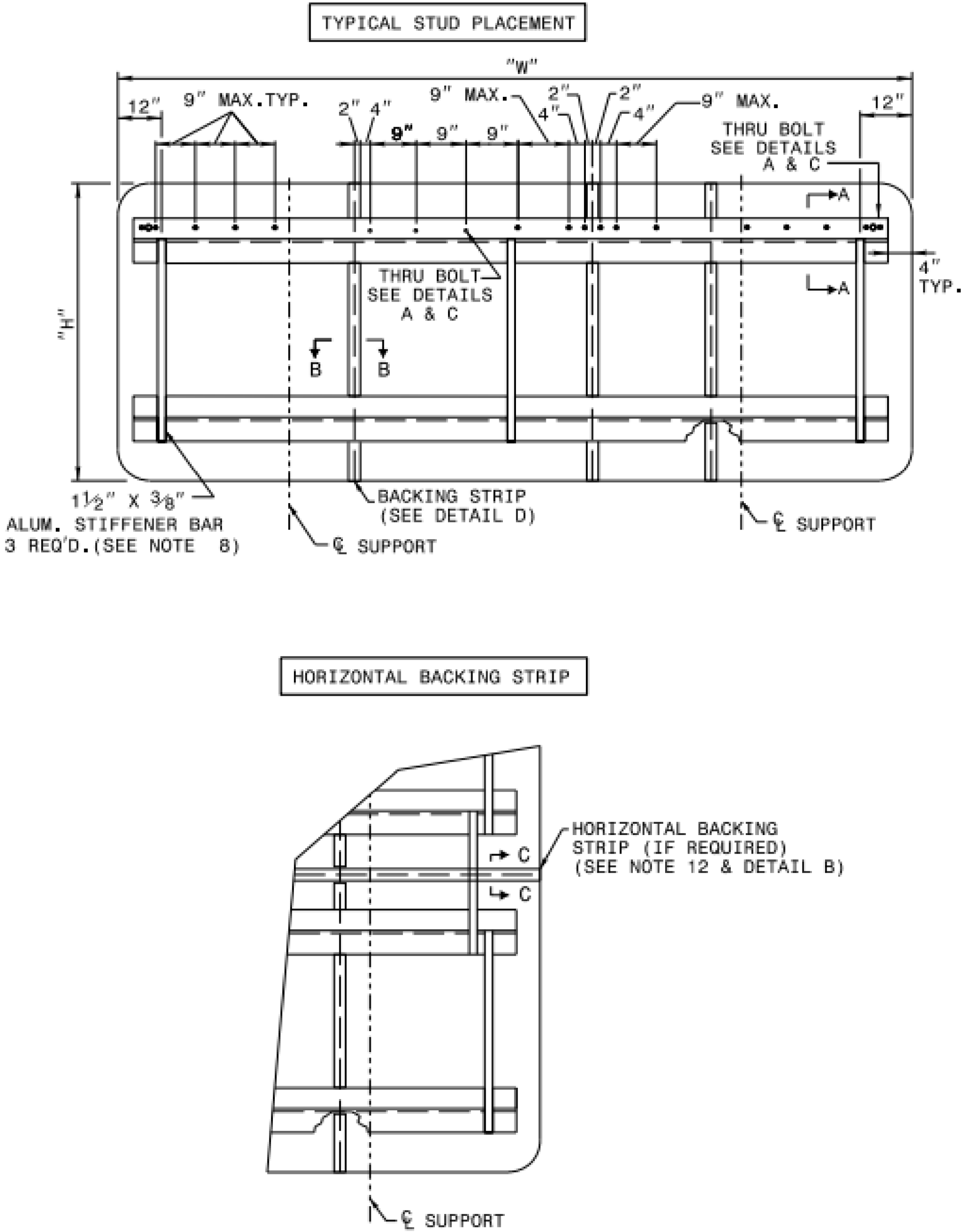
304-F W. Millbrook Rd
Raleigh, NC 27609
984.500.5426
www.exultengineering.com

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



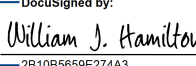
- NOTES:
- USE THE NUMBER AND SIZE OF SUPPORTS SHOWN ON THE SUPPORT CHART IN PROJECT PLANS.
 - FABRICATE SIGN PANEL SECTIONS WITH SHEETS 4'-0" WIDE. WHEN FABRICATING SIGNS WHICH ARE NOT MULTIPLES OF 4'-0" IN WIDTH, DO NOT CUT MORE THAN TWO SHEETS TO LESS THAN 4'-0" IN WIDTH. THESE PANELS SHALL NOT BE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

STATE OF NORTH CAROLINA
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2-19

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

SHEET 1 OF 2
901D10

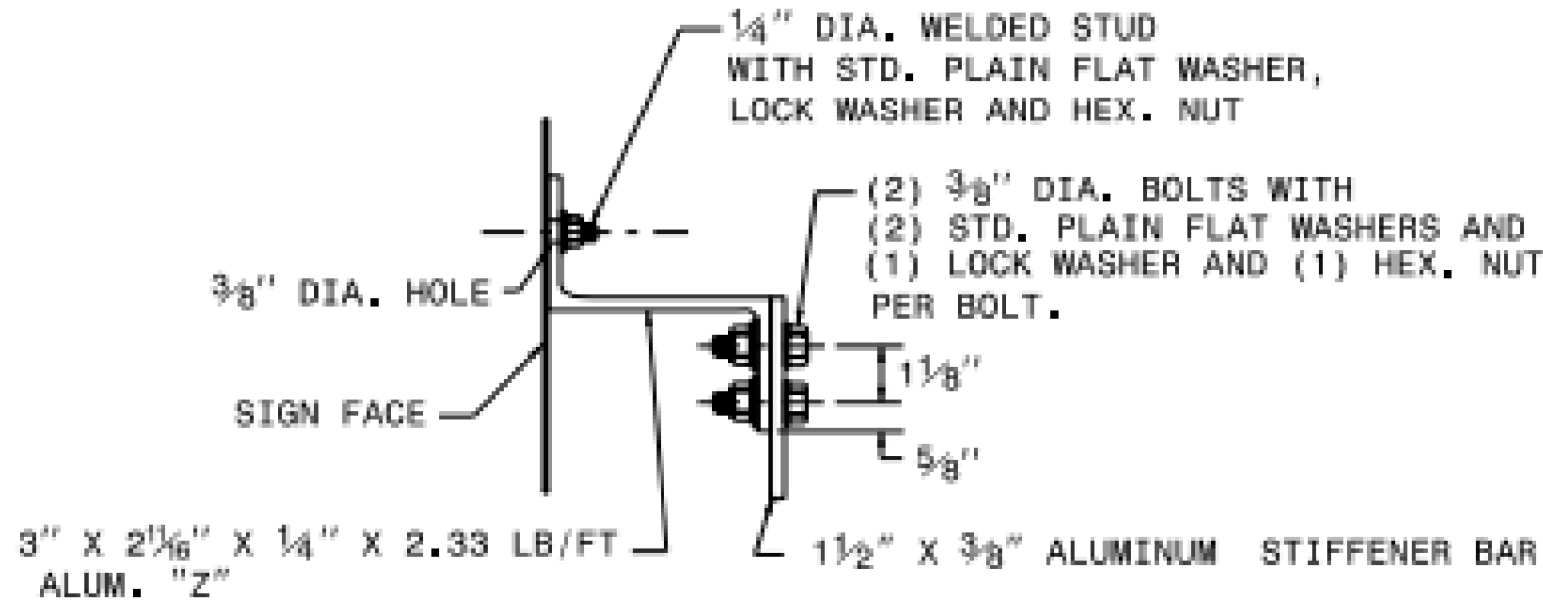
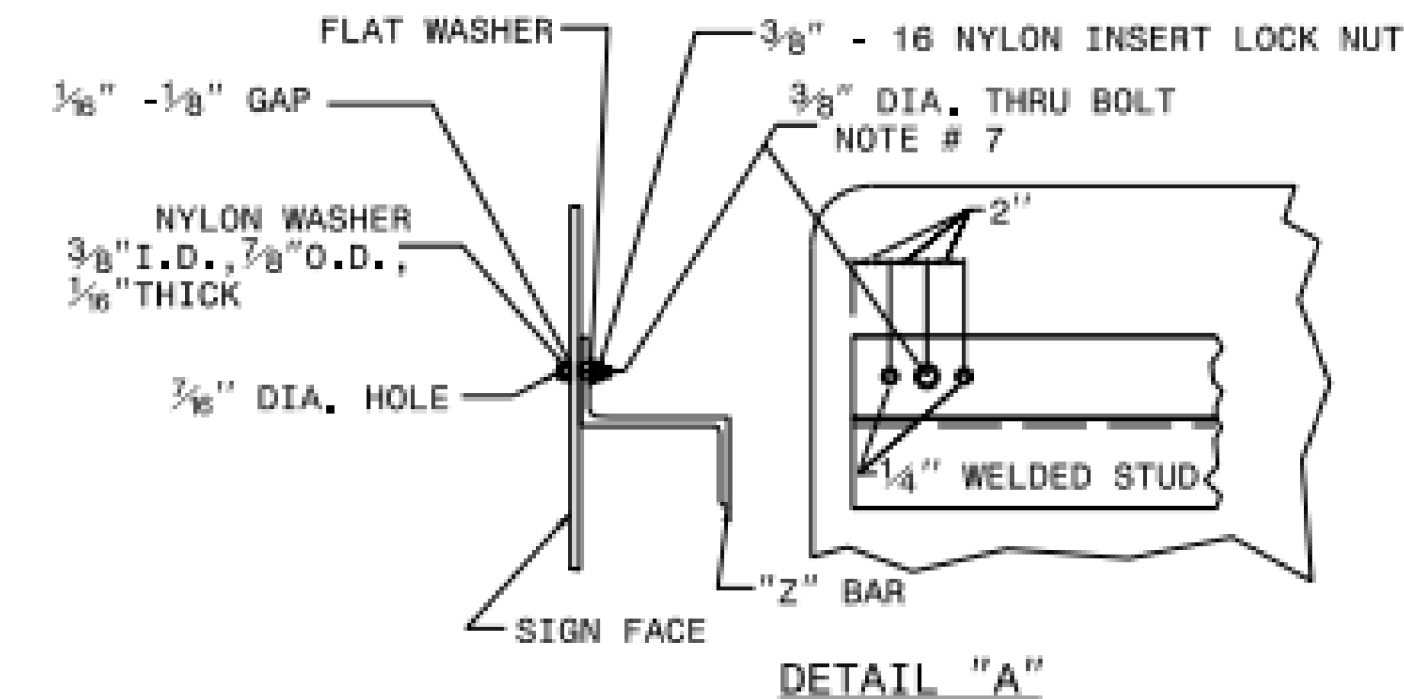
TIP NO. I-6001	SHEET NO. SIGN-1A
APPROVED:  Developed by: William J. Hamilton 05/08/2022/NA3	
DATE: 07/10/2025	
SEAL 	
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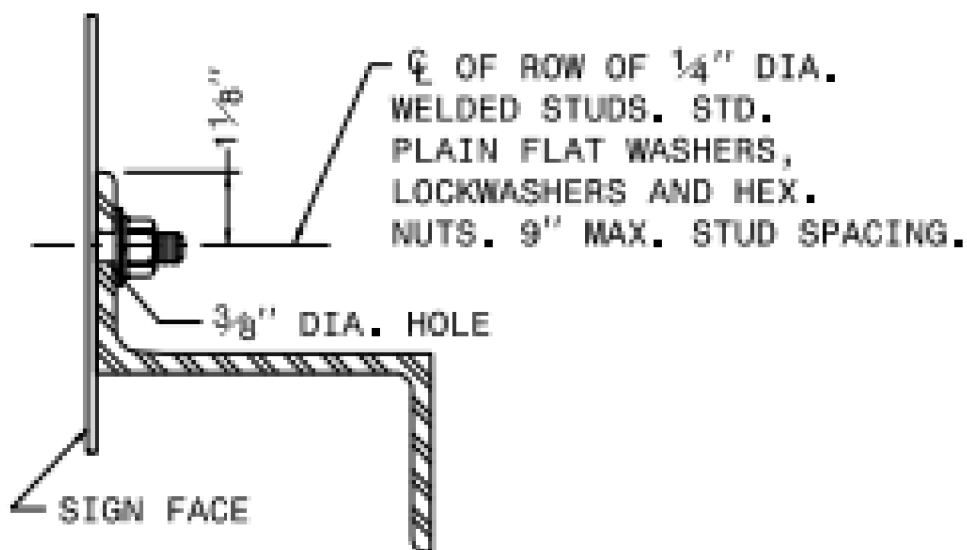
2-19

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

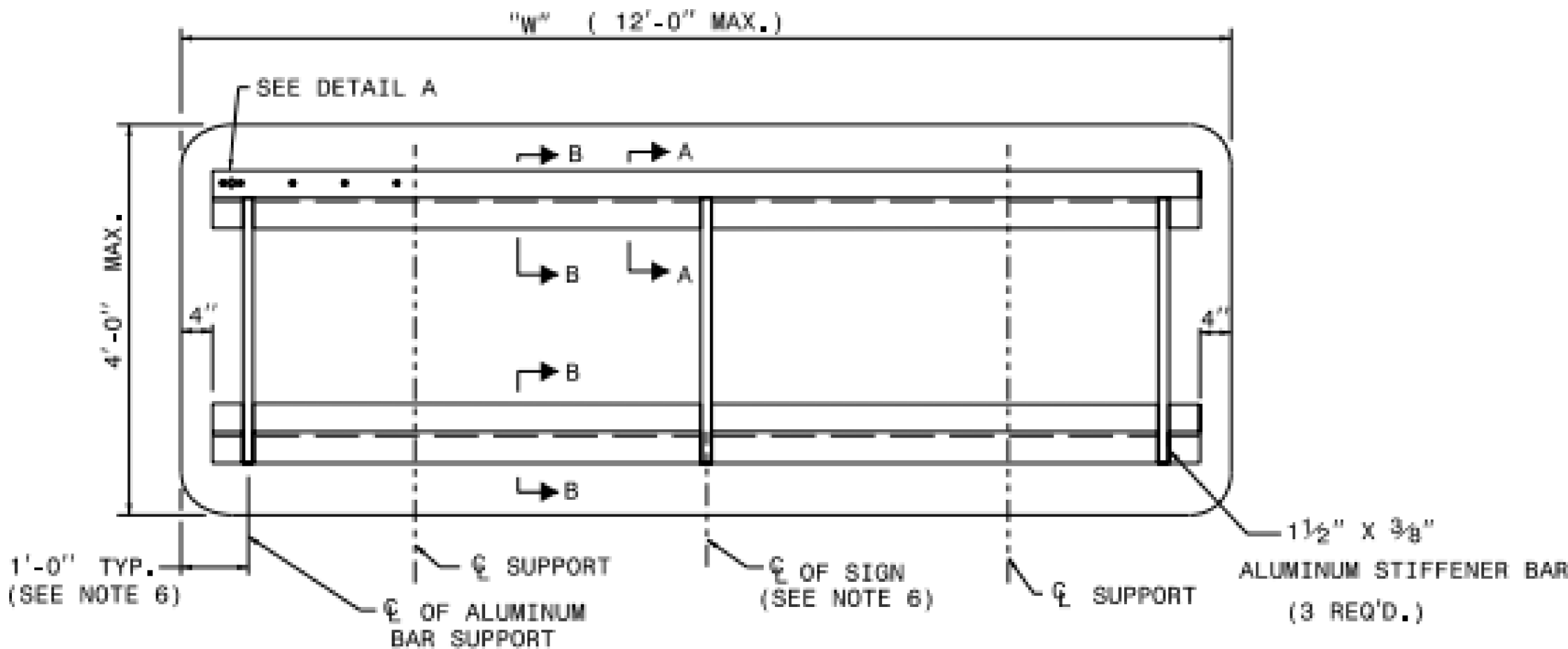
SHEET 1 OF 1
901D20



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 inch DIA. BOLT 4 inch 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 inch THRU BOLT.
11. THRU BOLTS WILL HAVE A MINIMUM 1/16 inch TO MAXIMUM 1/8 inch GAP.

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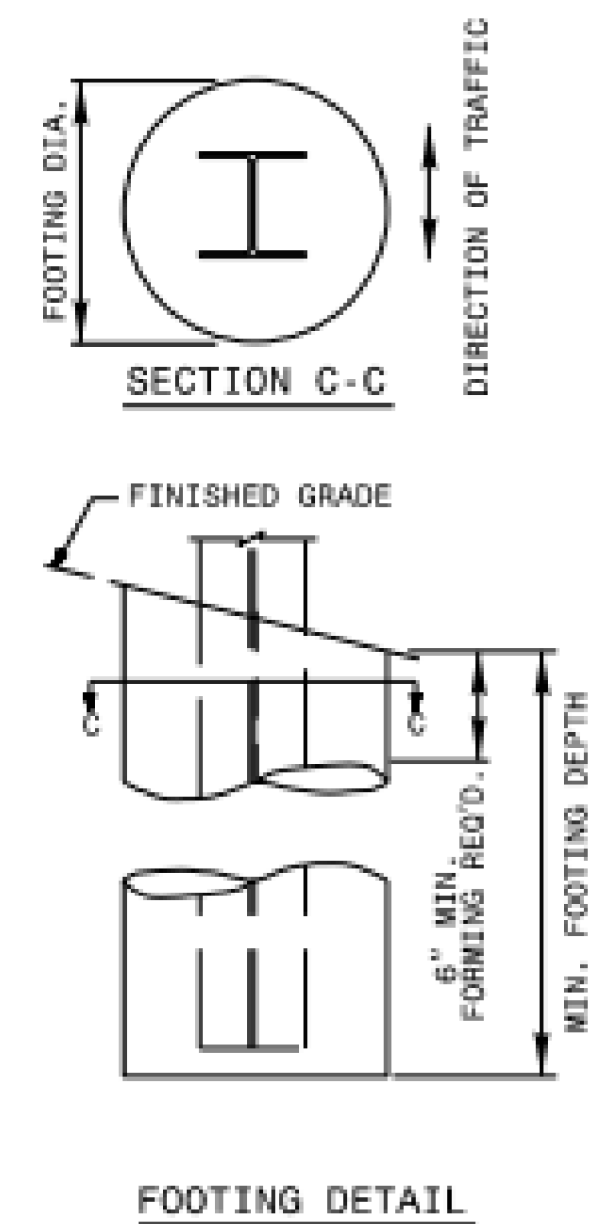
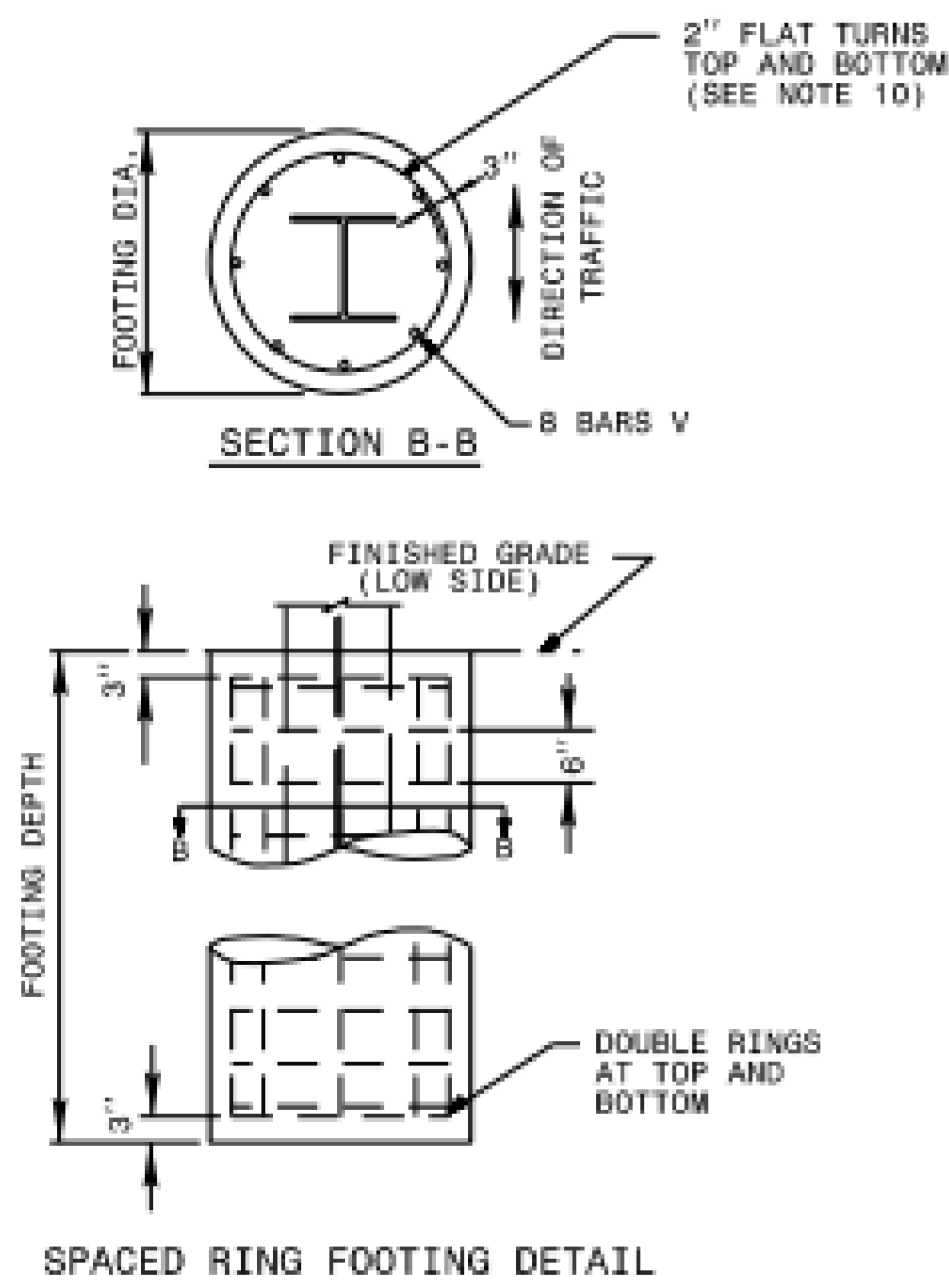
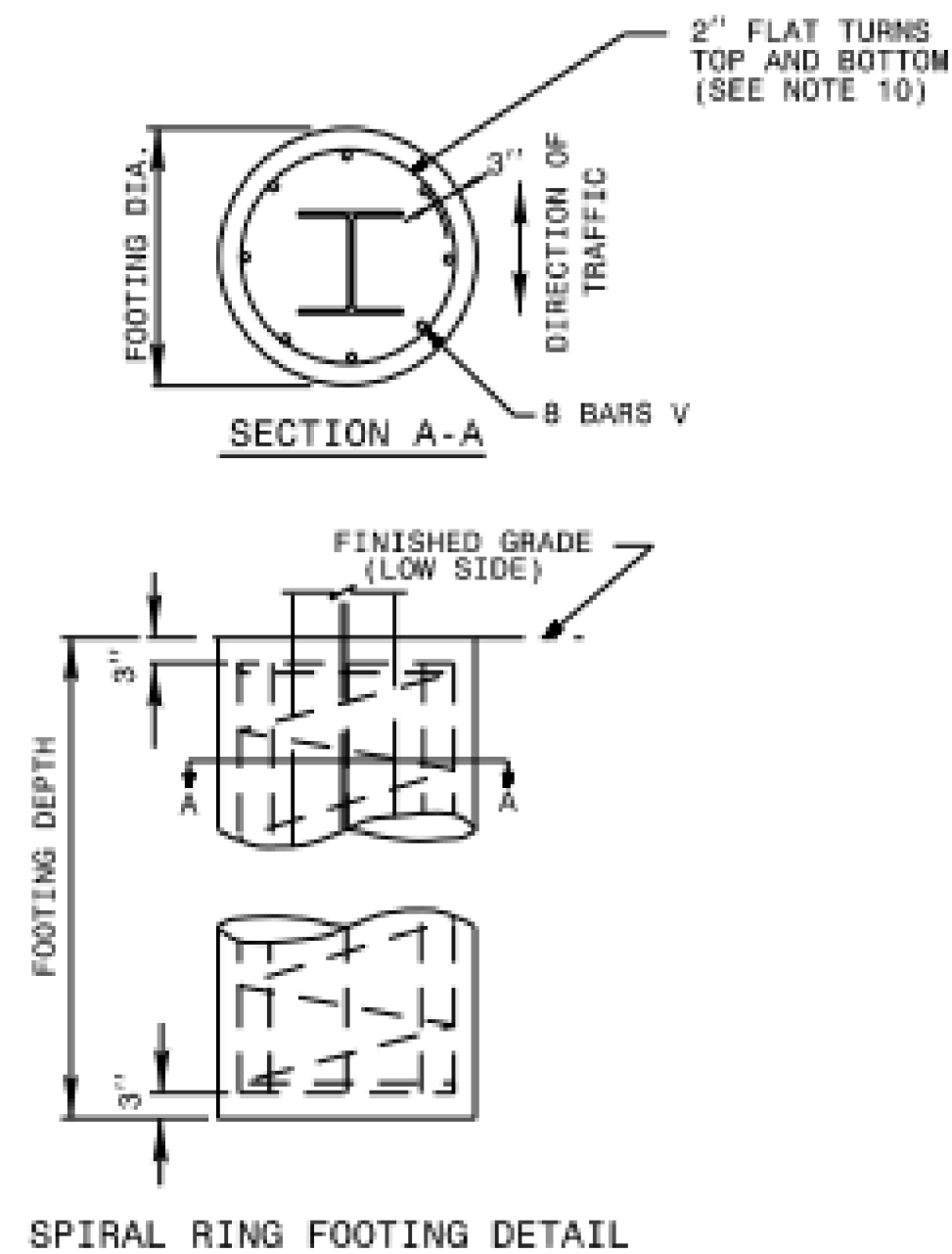
ENGLISH DETAIL DRAWING FOR
TYPE 'B' SIGNS
WELDED STUD CONSTRUCTION

SHEET 1 OF 1
901D20

TIP NO. I - 6001	SHEET NO. SIGN - 1B
APPROVED:  DATE: 07/10/2025	
SEAL 	
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THIS PLAN SUPERSEDES PLANS SIGNED/SEALED ON 05/14/2025	

SHEET 2 OF 3
903D10

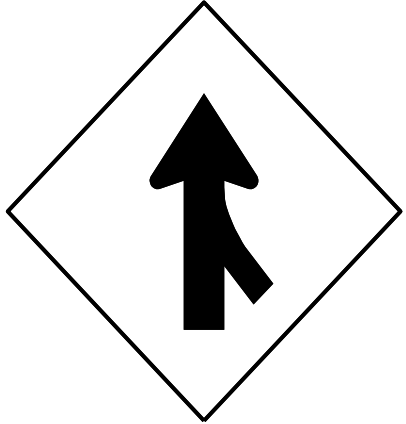
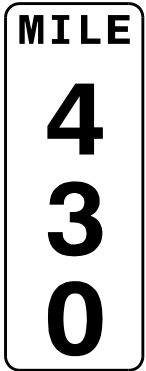
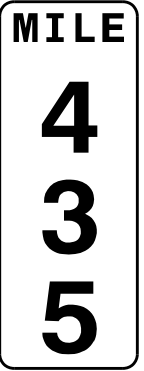
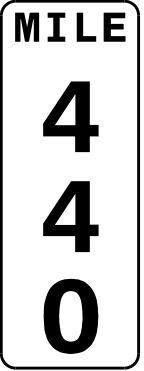
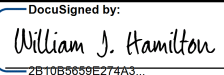
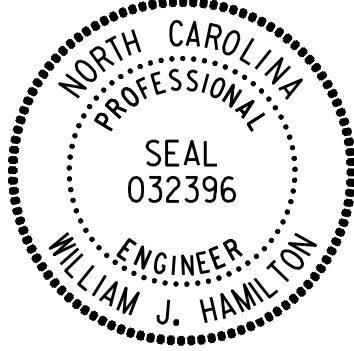
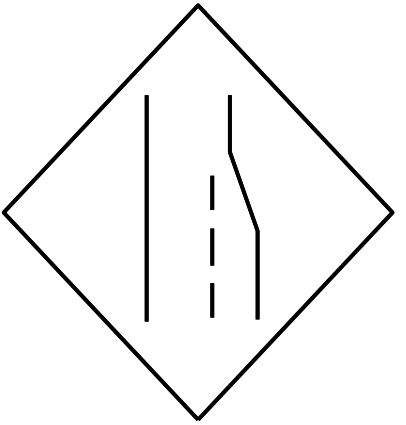
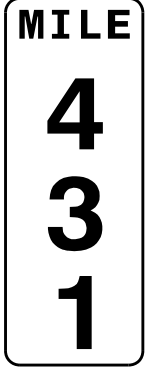
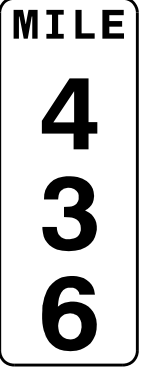
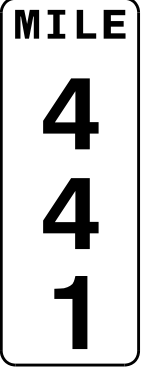
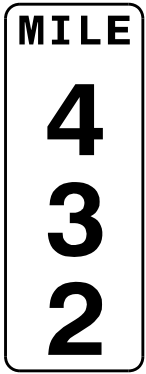
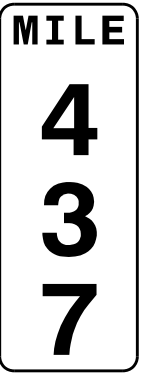
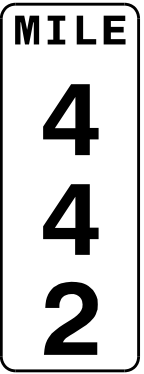
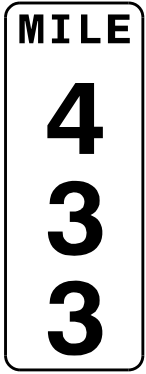
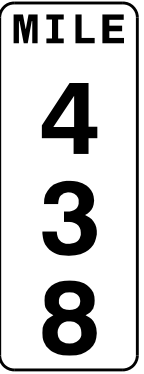
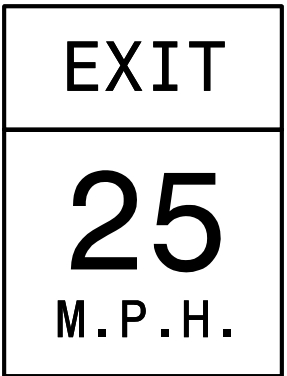
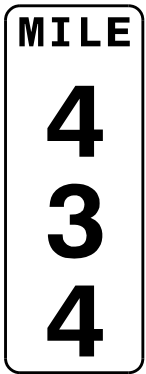
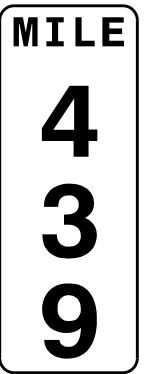
	SLIP BASE PLATE DATA								KEEPER PLATE DATA								HINGE CONNECTION DATA										BREAK AWAY SUPPORT WEIGHT CONSTANT LBS.
BEAM SHAPE	BOLT SIZE	A ₁	B ₁	C ₁	D ₁	E ₁	T ₁	R ₁	A ₂	B ₂	C ₂	D ₂	E ₂	R ₂	T ₂	BOLT SIZE	F	G	H	I	J	K	L	R ₃	T ₃		
S3X5.7	1/2"DIA.X 3/4"	7"	4"	1"	3/4"	2 1/2"	1"	3/32"	7"	4"	1"	3/4"	2 1/2"	3/32"	28 GAUGE	1/2"DIA.X1 3/4"	2 3/4"	3 1/2"	4"	1/2"	1"	1/2"	2"	3/32"	3/8"	18	
S4X7.7	1/2"DIA.X 3/4"	8"	4"	1"	3/4"	2 1/2"	1"	3/32"	8"	4"	1"	3/4"	2 1/2"	3/32"	28 GAUGE	1/2"DIA.X1 3/4"	2 5/8"	3 1/2"	4"	1/2"	1"	1/2"	2"	3/32"	3/8"	20	
W6X9	1/2"DIA.X 3/4"	10"	5"	1"	3/4"	3 1/2"	1"	3/32"	10"	5"	1"	3/4"	3 1/2"	3/32"	28 GAUGE	1/2"DIA.X1 3/4"	4"	3 1/2"	4"	3/4"	1"	1/2"	2"	3/32"	3/8"	32	
W6X12	5/8"DIA.X 4"	11"	5"	1 1/4"	7/8"	3 1/4"	1 1/4"	1/32"	11"	5"	1 1/4"	7/8"	3 1/4"	1/32"	28 GAUGE	5/8"DIA.X 2"	4"	4"	4 1/2"	3/4"	1 1/8"	5/8"	2 1/4"	1/32"	3/8"	39	
W6X16	5/8"DIA.X 4 1/2"	12"	6"	1 3/4"	7/8"	4 1/4"	1 1/2"	1/32"	12"	6"	1 1/4"	7/8"	4 1/4"	1/32"	28 GAUGE	5/8"DIA.X2 1/4"	4"	4"	4 1/2"	3/4"	1 1/8"	5/8"	2 1/4"	1/32"	1/2"	47	
W6X18	5/8"DIA.X 4 1/2"	13 1/2"	6 1/2"	1 3/4"	7/8"	4 3/4"	1 1/2"	1/32"	13 1/2"	6 1/2"	1 1/4"	7/8"	4 3/4"	1/32"	28 GAUGE	5/8"DIA.X2 1/4"	5 1/4"	4"	4 1/2"	1"	1 1/8"	5/8"	2 1/4"	1/32"	1/2"	70	
W8X21	3/4"DIA.X 4 1/2"	14"	7"	1 1/2"	1"	5"	1 1/2"	1/32"	14"	7"	1 1/2"	1"	5"	1/32"	28 GAUGE	3/4"DIA.X2 1/2"	5 1/4"	6"	7"	1"	1 3/4"	3/4"	3 1/2"	1/32"	1/2"	73	
W10X22	3/4"DIA.X 4 1/2"	16"	8"	1 1/2"	1"	6"	1 1/2"	1/32"	16"	8"	1 1/2"	1"	6"	1/32"	28 GAUGE	3/4"DIA.X2 1/2"	5 3/4"	6"	7"	1"	1 3/4"	3/4"	3 1/2"	1/32"	1/2"	119	
W10X26	3/4"DIA.X 5 1/2"	16 1/2"	8"	1 1/2"	1"	6"	1 3/4"	1/32"	16 1/2"	8"	1 1/2"	1"	6"	1/32"	28 GAUGE	3/4"DIA.X2 3/4"	5 3/4"	6"	7"	1"	1 3/4"	3/4"	3 1/2"	1/32"	5/8"	140	
W12X26	3/4"DIA.X 5 1/2"	18 1/2"	9"	1 1/2"	1"	7"	1 3/4"	1/32"	18 1/2"	9"	1 1/2"	1"	7"	1/32"	28 GAUGE	3/4"DIA.X2 3/4"	6 1/2"	6"	7"	1"	1 3/4"	3/4"	3 1/2"	1/32"	5/8"	176	
W14X30	1"DIA.X 6"	22"	9"	2"	1 1/2"	6"	2"	1/32"	22"	9"	2"	1 1/2"	6"	1/32"	28 GAUGE	1"DIA.X 3"	6 3/4"	7"	8"	1 1/4"	2"	1"	4"	1/32"	5/8"	205	
W16X31	1"DIA.X 6"	24"	9"	2"	1 1/2"	6"	2"	1/32"	24"	9"	2"	1 1/2"	6"	1/32"	28 GAUGE	1"DIA.X 3"	5 1/2"	7"	8"	1 1/4"	2"	1"	4"	1/32"	3/4"	223	
W18X35	1"DIA.X 6"	25"	9"	2"	1 1/2"	6"	2"	1/32"	25"	9"	2"	1 1/2"	6"	1/32"	28 GAUGE	1"DIA.X 3"	6"	7"	8"	1 1/4"	2"	1"	4"	1/32"	3/4"	243	
W18X40	1"DIA.X 6 1/2"	26"	9"	2"	1 1/2"	6"	2 1/4"	1/32"	26"	9"	2"	1 1/2"	6"	1/32"	28 GAUGE	1"DIA.X3 1/2"	6"	7"	8"	1 1/4"	2"	1"	4"	1/32"	7/8"	278	
W21X44	1"DIA.X 7"	29"	9"	2"	1 1/2"	6"	2 1/2"	1/32"	29"	9"	2"	1 1/2"	6"	1/32"	28 GAUGE	1"DIA.X3 1/2"	6 1/2"	7"	8"	1 1/4"	2"	1"	4"	1/32"	7/8"	310	



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

* FOUNDATION DIMENSIONS ARE SHOWN IN PLANS

SHEET 2 OF 3
903D10

401 QUANTITY REQ'D .11  48" X 48" W4-1 (R) TWO "U" POSTS PER SIGN	406 QUANTITY REQ'D .4  12" X 18" R7-1 ONE "U" POST PER SIGN	501 QUANTITY REQ'D .3  24" X 12" M3-4  30" X 24" M1-4 ONE "U" POST PER SIGN	QUANTITY REQ'D .2  12" X 48" D10-3 ONE "U" POST PER SIGN	QUANTITY REQ'D .2  12" X 48" D10-3 ONE "U" POST PER SIGN	QUANTITY REQ'D .2  12" X 48" D10-3 ONE "U" POST PER SIGN	TIP NO. I-6001 SHEET NO. SIGN-2 APPROVED:  DATE: 07/10/2025 SEAL  DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED
402 QUANTITY REQ'D .4  48" X 48" W4-2(R) TWO "U" POSTS PER SIGN	407 QUANTITY REQ'D .1  48" X 48" W8-13 ONE "U" POST PER SIGN	502 QUANTITY REQ'D .2  24" X 12" M3-2  30" X 24" M1-4 ONE "U" POST PER SIGN	QUANTITY REQ'D .2  12" X 48" D10-3 ONE "U" POST PER SIGN	QUANTITY REQ'D .2  12" X 48" D10-3 ONE "U" POST PER SIGN	QUANTITY REQ'D .2  12" X 48" D10-3 ONE "U" POST PER SIGN	 THIS PLAN SUPERSEDES PLANS SIGNED/SEALED ON 05/14/2025
403 QUANTITY REQ'D .1  36" X 36" W1-2(R) TWO "U" POSTS PER SIGN			QUANTITY REQ'D .2  12" X 48" D10-3 ONE "U" POST PER SIGN	QUANTITY REQ'D .2  12" X 48" D10-3 ONE "U" POST PER SIGN	QUANTITY REQ'D .2  12" X 48" D10-3 ONE "U" POST PER SIGN	
404 QUANTITY REQ'D .8  48" X 60" R2-1 TWO "U" POSTS PER SIGN			QUANTITY REQ'D .2  12" X 48" D10-3 ONE "U" POST PER SIGN	QUANTITY REQ'D .2  12" X 48" D10-3 ONE "U" POST PER SIGN		
405 QUANTITY REQ'D .1  36" X 48" W13-2 TWO "U" POSTS PER SIGN			QUANTITY REQ'D .2  12" X 48" D10-3 ONE "U" POST PER SIGN	QUANTITY REQ'D .2  12" X 48" D10-3 ONE "U" POST PER SIGN		TYPE "E", "F", AND MILEMARKER SIGNS

SIGN NUMBER: 1A, 4A, 6A TYPE: B (OH) QUANTITY: 3 SIGN WIDTH: 9'-6" HEIGHT: 2'-6" TOTAL AREA: 23.76 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 2" RADII: 0" NO. Z BARS: 2 LENGTH: 106.0	BACKGROUND COLOR: Green COPY COLOR: White <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <th>SYMBOL</th> <th>X</th> <th>Y</th> <th>WID</th> <th>HT</th> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table> MAT'L: 0.125" (3.2 mm) ALUMINUM	SYMBOL	X	Y	WID	HT																																														DESIGN BY: SDW PROJECT ID: I-6001 CHECKED BY: WJH LOCATION: Feb 19, 2025 DIV: 5
SYMBOL	X	Y	WID	HT																																																

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.

LETTER POSITIONS

Letter locations are panel edge to lower left corner															Series/Size Text Length
E	X	I	T	I	3										E 2000 65.25
24.38	33.28	43.98	47.48	69.98	77.48										

FILENAME: I-6001_SIGN_DSN6

NORTH CAROLINA D.O.T. SIGN DETAIL

[illegible][illegible][illegible]

SIGN NUMBER: 3A, 5A, 7A
TYPE: B (OH)
QUANTITY: 3
SIGN WIDTH: 9'-6"
HEIGHT: 2'-6"
TOTAL AREA: 23.76 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 12"
NO. Z BARS: 2
LENGTH: 106.0

BACKG COLOR: Green
COPY COLOR: White
SYMBOL
X
Y
WID
HT
MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: SDW
PROJECT ID: I-6001
CHECKED BY: WJH
LOCATION:
Feb 19, 2025
DIV: 5

BORDER
R=3.25"
TH=2"
9'-6"
23.6"
66.8"
23.6"
7.5"
15"
7.5"

EXIT 14

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

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS
Letter locations are panel edge to lower left corner
Series/Size
Text Length
E 2000
66.75
NORTH CAROLINA D.O.T. SIGN DETAIL
FILENAME: I-6001_SIGN_DSGN

SIGN NUMBER: 3B
TYPE: A (OH)
QUANTITY: 1
SIGN WIDTH: 16'-6"
HEIGHT: 5'-0"
TOTAL AREA: 82.5 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 8"
NO. Z BARS: 2
LENGTH: 190.0

BACKG COLOR: Green
COPY COLOR: White
SYMBOL
X
Y
WID
HT
AR_Type B
57.81
19.69
22.24
25.31
MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: SDW
PROJECT ID: I-6001
CHECKED BY: WJH
LOCATION:
Feb 19, 2025
DIV: 5

BORDER
R=8"
TH=2"
19.7"
16"
24.3"
9.55"
158.9"
19.55"
16'-6"

Rolesville

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 with Grade A reflective sheeting and demountable.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS
Letter locations are panel edge to lower left corner
Series/Size
Text Length
EM 2000
122.24
NORTH CAROLINA D.O.T. SIGN DETAIL
FILENAME: I-6001_SIGN_DSGN

SIGN NUMBER: 4B
TYPE: A (OH)
QUANTITY: 1
SIGN WIDTH: 14'-6"
HEIGHT: 12'-0"
TOTAL AREA: 174.01 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 12"
NO. Z BARS: 3
LENGTH: 166.0

BACKG COLOR: Green
COPY COLOR: White
SYMBOL
X
Y
WID
HT
M1.4
47.16
72.1
36
36
MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: SDW
PROJECT ID: I-6001
CHECKED BY: WJH
LOCATION:
Feb 19, 2025
DIV: 5

BORDER
R=12"
TH=2"
14.9"
12"
9"
36"
41.2"
15"
15.5"
12'-0"
35.9"
38.9"
15"
12"
34.5"
16"
14.2"
10"
18.4"
8.35"
137.3"
18.35"
14'-6"

BUSINESS 64 WEST
Knightdale
1/4 MILE

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 with Grade A reflective sheeting and demountable.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS
Letter locations are panel edge to lower left corner
Series/Size
Text Length
EM 2000
89.76
E 2000
48.78
EM 2000
137.28
E 2000
65.08
NORTH CAROLINA D.O.T. SIGN DETAIL
FILENAME: I-6001_SIGN_DSGN

SIGN NUMBER: 5B
TYPE: A (OH)
QUANTITY: 1
SIGN WIDTH: 13'-6"
HEIGHT: 6'-0"
TOTAL AREA: 81 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 9"
NO. Z BARS: 2
LENGTH: 154.0

BACKG COLOR: Green
COPY COLOR: White
SYMBOL
X
Y
WID
HT
MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: SDW
PROJECT ID: I-6001
CHECKED BY: WJH
LOCATION:
Feb 19, 2025
DIV: 5

BORDER
R=9"
TH=2"
16"
15"
10.4"
18.9"
122.2"
19.9"
13'-6"

Rolesville
1/2 MILE

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

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS
Letter locations are panel edge to lower left corner
Series/Size
Text Length
EM 2000
122.24
E 2000
66.7
NORTH CAROLINA D.O.T. SIGN DETAIL
FILENAME: I-6001_SIGN_DSGN

TIP NO.
I-6001

SHEET NO.
SIGN-3A

APPROVED:

Designed by:
William J. Hamilton
24108088271041

DATE: 07/10/2025

SEAL
NORTH CAROLINA
PROFESSIONAL
SEAL
032396
ENGINEER
WILLIAM J. HAMILTON

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

EXULT
ENGINEERING

THIS PLAN SUPERSEDES PLANS
SIGNED/SEALED ON 05/14/2025

[illegible][illegible]

SIGN NUMBER: 8A, 11A TYPE: B (OH) QUANTITY: 2 SIGN WIDTH: 9'-6" HEIGHT: 2'-6" TOTAL AREA: 23.76 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 2" RADII: 12" NO. Z BARS: 2 LENGTH: 106.0	BACKGROUND COLOR: Green COPY COLOR: White <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>SYMBOL</th> <th>X</th> <th>Y</th> <th>WID</th> <th>HT</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table> MAT'L: 0.125" (3.2 mm) ALUMINUM	SYMBOL	X	Y	WID	HT																																														DESIGN BY: SDW PROJECT ID: I-6001 CHECKED BY: WJH LOCATION: Feb 19, 2025 DIV: 5
SYMBOL	X	Y	WID	HT																																																

BORDER
R=3.25"
TH=2"

9'-6"

12.65" 88.7" 12.65"

10" 10" 10"

7.5" 15" 7.5"

EXIT 435

Spacing Factor is 1 unless specified otherwise

USE NOTES: 1,2

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

Letter locations are panel edge to lower left corner															Series/Size Text Length
E	X	I	T	A	S										E 2000 88.65
12.68	21.58	32.28	35.78	58.28	74.93	89.18									

FILENAME: I-6001_SIGN_DSGS NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 1B TYPE: A (OH) QUANTITY: 1 SIGN WIDTH: 14'-6" HEIGHT: 15'-0" TOTAL AREA: 217.51 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 2" RADII: 12" NO. Z BARS: 6 LENGTH: 166.0	BACKGROUND COLOR: Green COPY COLOR: White <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <th>SYMBOL</th> <th>X</th> <th>Y</th> <th>WID</th> <th>HT</th> </tr> <tr> <td>M1-4</td> <td>52.92</td> <td>108.5</td> <td>36</td> <td>36</td> </tr> <tr> <td>M1-5-2-36-15C</td> <td>110.21</td> <td>108.5</td> <td>36</td> <td>36</td> </tr> <tr> <td>AR_Type A</td> <td>59.02</td> <td>6.6</td> <td>20</td> <td>31.5</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table> MAT'L: 0.125" (3.2 mm) ALUMINUM	SYMBOL	X	Y	WID	HT	M1-4	52.92	108.5	36	36	M1-5-2-36-15C	110.21	108.5	36	36	AR_Type A	59.02	6.6	20	31.5																					DESIGN BY: SDW PROJECT ID: I-6001 CHECKED BY: WJH LOCATION: Feb 19, 2025 DIV: 5
SYMBOL	X	Y	WID	HT																																						
M1-4	52.92	108.5	36	36																																						
M1-5-2-36-15C	110.21	108.5	36	36																																						
AR_Type A	59.02	6.6	20	31.5																																						

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 with Grade A reflective sheeting and demountable.
- Bottom panel shall be yellow Grade C sheeting. Legend shall be direct applied black non-reflective sheeting. Arrow shall be on 0.032" aluminum, black non-reflective sheeting an demountable. Yellow panel is:

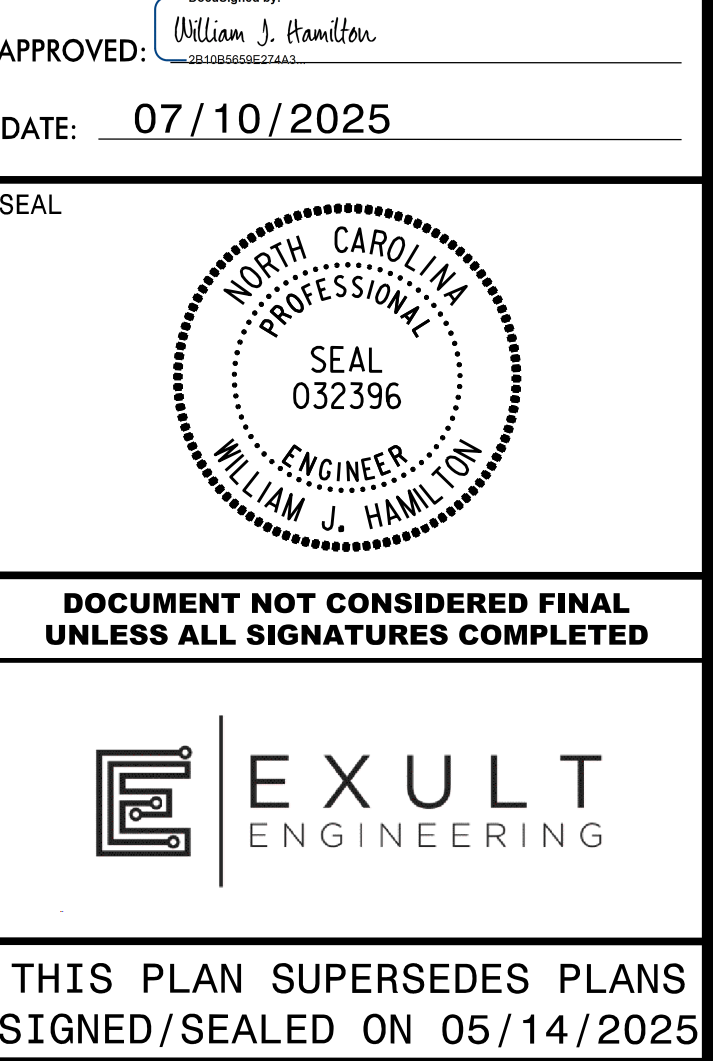
Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter locations are panel edge to lower left corner															Series/Size Text Length
B	U	S	I	N	E	S	S								E 2000 86.28
Z	e	b	u	l	o	n									EM 2000 98.4
O	x	f	o	r	d										EM 2000 80
E	X	I	T												E 2000 36.72
O	N	L	Y												E 2000 47.88

FILENAME: I-6001_SIGN_DSGN

NORTH CAROLINA D.O.T. SIGN DETAIL



SIGN NUMBER: 10B TYPE: A (QH) QUANTITY: 1 SIGN WIDTH: 14'-0" HEIGHT: 15'-0" TOTAL AREA: 210 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 2" RADII: 12" NO. Z BARS: 6 LENGTH: 160.0 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 with Grade C reflective sheeting and demountable.	BACKGND: Green COPY COLOR: White <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <th>SYMBOL</th> <th>X</th> <th>Y</th> <th>WID</th> <th>HT</th> </tr> <tr> <td>M1_4</td> <td>32.7</td> <td>101.3</td> <td>45</td> <td>36</td> </tr> <tr> <td>M1-5-2-36-15C</td> <td>97.4</td> <td>101.3</td> <td>36</td> <td>36</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table> MAT'L: 0.125" (3.2 mm) ALUMINUM	SYMBOL	X	Y	WID	HT	M1_4	32.7	101.3	45	36	M1-5-2-36-15C	97.4	101.3	36	36																															DESIGN BY: SWJ PROJECT ID: 1-6001 CHECKED BY: WJH LOCATION: 14' 15' 127.8" 20.1" 127.8" 20.1" 148.6" 70.4" 16.1" 15" 127.194" 36" 11.3" 15.6" 18.4" 104.2" 164.4" 36" 11.342" 19.4" 16.1" 15" 127.194" 36" 11.3" 15.6" 18.4" 104.2" 164.4" 36" 11.342" 19.4" 16.1" 15" 127.194" 36" 11.3" 15.6" 18.4" 104.2" 164.4" 36" 11.342" 19.4" 16.1" 15" 127.194" 36" 11.3" 15.6" 18.4" 104.2" 164.4" 36" 11.342" 19.4" 16.1" 15" 127.194" 36" 11.3" 15.6" 18.4" 104.2" 164.4" 36" 11.342" 19.4" 16.1" 15" 127.194" 36" 11.3" 15.6" 18.4" 104.2" 164.4" 36" 11.342" 19.4" 16.1" 15" 127.194" 36" 11.3" 15.6" 18.4" 104.2" 164.4" 36" 11.342" 19.4" 16.1" 15" 127.194" 36" 11.3" 15.6" 18.4" 104.2" 164.4" 36" 11.342" 19.4" 16.1" 15" 127.194" 36" 11.3" 15.6" 18.4" 104.2" 164.4" 36" 11.342" 19.4" 16.1" 15" 127.194" 36" 11.3" 15.6" 18.4" 104.2" 164.4" 36" 11.342" 19.4" 16.1" 15" 127.194" 36" 11.3" 15.6" 18.4" 104.2" 164.4" 36" 11.342" 19.4" 16.1" 15" 127.194" 36" 11.3" 15.6" 18.4" 104.2" 164.4" 36" 11.342" 19.4" 16.1" 15" 127.194" 36" 11.3" 15.6" 18.4" 104.2" 164.4" 36" 11.342" 19.4" 16.1" 15" 127.194" 36" 11.3" 15.6" 18.4" 104.2" 164.4" 36" 11.342" 19.4" 16.1" 15" 127.194" 36" 11.3" 15.6" 18.4" 104.2" 164.4" 36" 11.342" 19.4" 16.1" 15" 127.194" 36" 11.3" 15.6" 18.4" 104.2" 164.4" 36" 11.342" 19.4" 16.1" 15" 127.194" 36" 11.3" 15.6" 18.4" 104.2" 164.4" 36" 11.342" 19.4" 16.1" 15" 127.194" 36" 11.3" 15.6" 18.4" 104.2" 164.4" 36" 11.342" 19.4" 16.1" 15" 127.194" 36" 11.3" 15.6" 18.4" 104.2" 164.4" 36" 11.342" 19.4" 16.1" 15" 127.194" 36" 11.3" 15.6" 18.4" 104.2" 164.4" 36" 11.342" 19.4" 16.1" 15" 127.194" 36" 11.3" 15.6" 18.4" 104.2" 164.4" 36" 11.342" 19.4" 16.1" 15" 127.194" 36" 11.3" 15.6" 18.4" 104.2" 164.4" 36" 11.342" 19.4" 16.1" 15" 127.194" 36" 11.3" 15.6" 18.4" 104.2" 164.4" 36" 11.342" 19.4" 16.1" 15" 127.194" 36" 11.3" 15.6" 18.4" 104.2" 164.4" 36" 11.342" 19.4" 16.1" 15" 127.194" 36" 11.3" 15.6" 18.4" 104.2" 164.4" 36" 11.342" 19.4"
SYMBOL	X	Y	WID	HT																																											
M1_4	32.7	101.3	45	36																																											
M1-5-2-36-15C	97.4	101.3	36	36																																											

SIGN NUMBER: _____ TYPE: A (OH) QUANTITY: 1 SIGN WIDTH: 15'-0" HEIGHT: 17'-0" TOTAL AREA: 255.01 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 2" RADII: 12" NO. Z BARS: 6 LENGTH: 172.0	BACKGROUND: Green COPY COLOR: White <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <th>SYMBOL</th> <th>X</th> <th>Y</th> <th>WID</th> <th>HT</th> </tr> <tr> <td>MI-4</td> <td>55.92</td> <td>132.35</td> <td>36</td> <td>36</td> </tr> <tr> <td>MI-5-2-36-15C</td> <td>113.21</td> <td>132.35</td> <td>36</td> <td>36</td> </tr> <tr> <td>ARROWN</td> <td>68.6</td> <td>8.02</td> <td>32.01</td> <td>21.97</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table> MAT'L: 0.125" (3.2 mm) ALUMINUM	SYMBOL	X	Y	WID	HT	MI-4	55.92	132.35	36	36	MI-5-2-36-15C	113.21	132.35	36	36	ARROWN	68.6	8.02	32.01	21.97																					DESIGN BY: SOW PROJECT ID: I-6001 CHECKED BY: WJH LOCATION: _____ DATE: Feb 19, 2025 DIV: 5
SYMBOL	X	Y	WID	HT																																						
MI-4	55.92	132.35	36	36																																						
MI-5-2-36-15C	113.21	132.35	36	36																																						
ARROWN	68.6	8.02	32.01	21.97																																						

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 with Grade A reflective sheeting and demountable.
- Bottom panel shall be yellow Grade C sheeting. Legend shall be direct applied black non-reflective sheeting. Arrow shall be on 0.032" aluminum, black non-reflective sheeting and demountable. Yellow panel is:

Spacing Factor is 1 unless specified otherwise

Letter locations are panel edge to lower left corner															Series/Size Text Length
B	U	S	I	N	E	S	S								E 2000 86.28
30.78	42.9	55.02	67.14	72.42	85.26	95.94	107.34								
Z	e	b	u	l	o	n									EM 2000 98.4
42.03	57.87	73.39	88.91	105.87	114.83	129.87									
O	x	f	o	r	d										EM 2000 80
51.23	68.03	84.19	94.43	110.27	120.67										
1/2	M	I	L	E											E 2000 65.08
58.69	90.66	102.66	107.06	116.26											
E	X	I	T												EM 2000 36.96
19.64	30.2	43.16	47.72												
O	N	L	Y												EM 2000 47.76
112.6	125.56	138.64	148.24												

FILENAME: I-6001_SIGN_DSGNS

NORTH CAROLINA D.O.T. SIGN DETAIL

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

BACKG COLOR: Green
COPY COLOR: White
SYMBOL
X
Y
WID
HT
AR_Type A
49.1
6
18.25
29.25

DESIGN BY: SDW
PROJECT ID: I-6001
CHECKED BY: WJH
LOCATION:
May 06, 2025
DIV: 5

5'-0"
1'-1"
18"
31"
6'-6"
11"
61"
6"
9'-12"
10"
6"
23"

EXIT
14
↗

BORDER
R=6 in
TH=1.5 in

Spacing Factor is 2.25 for "EXIT"
Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS
Letter locations are string start to lower left corner
Series/Size
Text Length
E 2000
45
E 2000
25.375
NORTH CAROLINA D.O.T. SIGN DETAIL
FILENAME: I-6001_SIGN_DSN52

SIGN NUMBER: 101
TYPE: A
QUANTITY: 1
SIGN WIDTH: 12'-0"
HEIGHT: 8'-0"
TOTAL AREA: 96 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 12"
NO. Z BARS: 3
LENGTH: 136.0

BACKG COLOR: Green
COPY COLOR: White
SYMBOL
X
Y
WID
HT
M1_4
23.31
16.85
36
36
M1_4
80.88
16.85
45
36

DESIGN BY: SDW
PROJECT ID: I-6001
CHECKED BY: WJH
LOCATION:
Feb 19, 2025
DIV: 5

8'-0"
12"
19.8"
64.2"
12'-0"
18.1"
107.8"
16.1"
16.85"
15"
11.3"
36"
16.85"

EAST EAST
64 264

BORDER
R=12"
TH=2"

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS
Letter locations are panel edge to lower left corner
Series/Size
Text Length
E 2000
46.38
E 2000
46.38
NORTH CAROLINA D.O.T. SIGN DETAIL
FILENAME: I-6001_SIGN_DSN5

SIGN NUMBER: 102
TYPE: A
QUANTITY: 1
SIGN WIDTH: 12'-0"
HEIGHT: 6'-6"
TOTAL AREA: 78 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 10"
NO. Z BARS: 2
LENGTH: 136.0

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

DESIGN BY: SDW
PROJECT ID: I-6001
CHECKED BY: WJH
LOCATION:
Feb 19, 2025
DIV: 5

6'-6"
10"
17"
61"
12'-0"
10.35"
123.3"
10.35"
11.15"
13.33"
10"
13.33"
10.7"
11.5"
11.5"
4.5"

East Wake
High School
EXIT 14

BORDER
R=10"
TH=2"

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS
Letter locations are panel edge to lower left corner
Series/Size
Text Length
EM 2000
183.84
EM 2000
123.3
E 2000
54.25
NORTH CAROLINA D.O.T. SIGN DETAIL
FILENAME: I-6001_SIGN_DSN5

SIGN NUMBER: 103B, 108B
TYPE: A
QUANTITY: 2
SIGN WIDTH: 11'-0"
HEIGHT: 6'-6"
TOTAL AREA: 71.5 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 10"
NO. Z BARS: 2
LENGTH: 124.0

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

DESIGN BY: SDW
PROJECT ID: I-6001
CHECKED BY: WJH
LOCATION:
Feb 19, 2025
DIV: 5

6'-6"
15.97"
15.97"
47.1"
11'-0"
18.9"
94.2"
18.9"
18.9"
15.97"
15.97"
4.5"

Wendell
1 MILE

BORDER
R=10"
TH=2"

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS
Letter locations are panel edge to lower left corner
Series/Size
Text Length
EM 2000
94.24
E 2000
52.6
NORTH CAROLINA D.O.T. SIGN DETAIL
FILENAME: I-6001_SIGN_DSN5

TIP NO.
I-6001

SHEET NO.
SIGN-3D

APPROVED:

Desigined by:
William J. Hamilton
30108888237103

DATE: 07/10/2025

SEAL

NORTH CAROLINA
PROFESSIONAL
SEAL
032396
ENGINEER
WILLIAM J. HAMILTON

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

EXULT
ENGINEERING

THIS PLAN SUPERSEDES PLANS
SIGNED/SEALED ON 05/14/2025

SIGN NUMBER: 103A,105A,106A,108A
TYPE: B
QUANTITY: 4
SIGN WIDTH: 9'-6"
HEIGHT: 2'-6"
TOTAL AREA: 23.76 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 10"
NO. Z BARS: 2
LENGTH: 106.0

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

DESIGN BY: SDW
PROJECT ID: I-6001
CHECKED BY: WJH
LOCATION:
Feb 19, 2025
DIV: 5

BORDER
R=3.25"
TH=2"

9'-6"
12.65"
88.7"
12.65"

10"
10"
10"
10"

7.5"
15"
7.5"

EXIT 432

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

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS
Letter locations are panel edge to lower left corner
Series/Size
Text Length
E 2000
12.68 21.58 32.28 35.78 58.28 74.93 89.18
88.65
FILENAME: I-6001_SIGN_DSN6
NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 104
TYPE: B
QUANTITY: 1
SIGN WIDTH: 9'-1"
HEIGHT: 3'-6"
TOTAL AREA: 31.79 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 1.75"
RADII: 7"
NO. Z BARS: 2
LENGTH: 101.0

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

DESIGN BY: SDW
PROJECT ID: I-6001
CHECKED BY: WJH
LOCATION:
Feb 19, 2025
DIV: 5

BORDER
R=7"
TH=1.75"

9'-1"
9.75"
89.5"
9.75"

10"
8"
6"
8"
10"

Raleigh 16
Pittsboro 47

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

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS
Letter locations are panel edge to lower left corner
Series/Size
Text Length
EM 2000
89.5
EM 2000
89.5
FILENAME: I-6001_SIGN_DSN6
NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 105B, 106B
TYPE: A
QUANTITY: 2
SIGN WIDTH: 11'-0"
HEIGHT: 7'-0"
TOTAL AREA: 77 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 11"
NO. Z BARS: 2
LENGTH: 124.0

BACKG COLOR: Green
COPY COLOR: White
SYMBOL
X
Y
WID
HT
AR_Type A 56.88 18.04 16 25.2

DESIGN BY: SDW
PROJECT ID: I-6001
CHECKED BY: WJH
LOCATION:
Feb 19, 2025
DIV: 5

BORDER
R=11"
TH=2"

7'-0"
18.9"
94.2"
18.9"

18.04"
16"
12.08"
19.84"
18.04"

Wendell ↗

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 with Grade A reflective sheeting and demountable.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS
Letter locations are panel edge to lower left corner
Series/Size
Text Length
EM 2000
94.24
FILENAME: I-6001_SIGN_DSN6
NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 202, 203
TYPE: A
QUANTITY: 2
SIGN WIDTH: 8'-0"
HEIGHT: 5'-0"
TOTAL AREA: 40 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 1-1/2"
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 18.25 29.25

DESIGN BY: SDW
PROJECT ID: I-6001
CHECKED BY: WJH
LOCATION:
May 06, 2025
DIV: 5

BORDER
R=6 in
TH=1.5 in

5'
11"
18"
31"
8'
6"
84"
6"

9'
12"
10"
23"
6"

EXIT 432 ↗

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 with Grade C reflective sheeting and demountable.

Spacing Factor is 2.25 for "EXIT"
Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS
Letter locations are string start to lower left corner
Series/Size
Text Length
E 2000
45
E 2000
51.7
FILENAME: I-6001_SIGN_DSN62
NORTH CAROLINA D.O.T. SIGN DETAIL

TIP NO.
I-6001

SHEET NO.
SIGN-3E

APPROVED:

Desigined by:
William J. Hamilton
10-2858580297433

DATE: 07/10/2025

SEAL

NORTH CAROLINA
PROFESSIONAL
SEAL
032396
ENGINEER
WILLIAM J. HAMILTON

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UNLESS ALL SIGNATURES COMPLETED

EXULT
ENGINEERING

THIS PLAN SUPERSEDES PLANS
SIGNED/SEALED ON 05/14/2025

SIGN NUMBER: 204, 205
TYPE: A
QUANTITY: 2
SIGN WIDTH: 8'-0"
HEIGHT: 5'-0"
TOTAL AREA: 40 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 1-1/2"
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 18.25 29.25

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: SDW
PROJECT ID: I-6001
CHECKED BY: WJH
LOCATION:
May 06, 2025
DIV: 5

Spacing Factor is 2.25 for "EXIT"
Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS
Letter locations are string start to lower left corner
Series/Size Text Length
E 2000 45
E 2000 51.7
NORTH CAROLINA D.O.T. SIGN DETAIL
FILENAME: I-6001_SIGN_DSNS2

SIGN NUMBER: 111
TYPE: A
QUANTITY: 1
SIGN WIDTH: 12'-0"
HEIGHT: 9'-0"
TOTAL AREA: 108 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 12"
NO. Z BARS: 3
LENGTH: 136.0

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

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: SDW
PROJECT ID: I-6001
CHECKED BY: WJH
LOCATION:
Feb 19, 2025
DIV: 5

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS
Letter locations are panel edge to lower left corner
Series/Size Text Length
EM 2000 65.59
EM 2000 106.51
EM 2000 121.57
E 2000 81.6
NORTH CAROLINA D.O.T. SIGN DETAIL
FILENAME: I-6001_SIGN_DSNS

SIGN NUMBER: 112B
TYPE: A
QUANTITY: 1
SIGN WIDTH: 14'-0"
HEIGHT: 16'-6"
TOTAL AREA: 231 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 12"
NO. Z BARS: 6
LENGTH: 160.0

BACKG COLOR: Green
COPY COLOR: White
SYMBOL X Y WID HT
M1_4 32.7 118.2 45 36
M1-5-2-36-15C 97.4 118.2 36 36
AR_Type A 70.2 20 22.25 35

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: SDW
PROJECT ID: I-6001
CHECKED BY: WJH
LOCATION:
May 13, 2025
DIV: 5

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS
Letter locations are string start to lower left corner
Series/Size Text Length
E 2000 46.375
E 2000 23.3
EM 2000 78.7
EM 2000 127.8
NORTH CAROLINA D.O.T. SIGN DETAIL
FILENAME: I-6001_SIGN_DSNS

SIGN NUMBER: 112A, 113A, 114A
TYPE: B
QUANTITY: 3
SIGN WIDTH: 9'-6"
HEIGHT: 2'-6"
TOTAL AREA: 23.76 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 10"
NO. Z BARS: 2
LENGTH: 106.0

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

MAT'L: 0.125" (3.2 mm) ALUMINUM

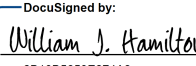
DESIGN BY: SDW
PROJECT ID: I-6001
CHECKED BY: WJH
LOCATION:
Feb 19, 2025
DIV: 5

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS
Letter locations are panel edge to lower left corner
Series/Size Text Length
E 2000 89.1
NORTH CAROLINA D.O.T. SIGN DETAIL
FILENAME: I-6001_SIGN_DSNS

TIP NO. I-6001

SHEET NO. SIGN-3G

APPROVED: 
DATE: 07/10/2025

SEAL


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UNLESS ALL SIGNATURES COMPLETED



THIS PLAN SUPERSEDES PLANS
SIGNED/SEALED ON 05/14/2025

SIGN NUMBER: 206, 207
TYPE: A
QUANTITY: 2
SIGN WIDTH: 8'-0"
HEIGHT: 5'-0"
TOTAL AREA: 40 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 1-1/2"
RADII: 6"
NO. Z BARS: 2
LENGTH: 88.0

BACKG COLOR: Green
COPY COLOR: White
SYMBOLX Y WID HT
AR_Type A67618.2529.25

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: SDW
PROJECT ID: I-6001
CHECKED BY: WJH
LOCATION:
May 06, 2025
DIV: 5

Spacing Factor is 2.25 for "EXIT"
Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS
Letter locations are string start to lower left corner
Series/Size
Text Length
E 2000
45
E 2000
52.2
NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 113B
TYPE: A
QUANTITY: 1
SIGN WIDTH: 11'-6"
HEIGHT: 14'-0"
TOTAL AREA: 161 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 12"
NO. Z BARS: 4
LENGTH: 130.0

BACKG COLOR: Green
COPY COLOR: White
SYMBOLX Y WID HT
M1_418.62589.24536
M1-5-2-36-15C83.3889.23636
AR_Type A56.21922.2535

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: SDW
PROJECT ID: I-6001
CHECKED BY: WJH
LOCATION:
May 13, 2025
DIV: 5

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS
Letter locations are string start to lower left corner
Series/Size
Text Length
E 2000
46.375
E 2000
23.3
EM 2000
78.7
NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 114B
TYPE: A
QUANTITY: 1
SIGN WIDTH: 11'-6"
HEIGHT: 12'-6"
TOTAL AREA: 143.75 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 12"
NO. Z BARS: 4
LENGTH: 130.0

BACKG COLOR: Green
COPY COLOR: White
SYMBOLX Y WID HT
M1_418.62571.34536
M1-5-2-36-15C83.3871.33636

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: SDW
PROJECT ID: I-6001
CHECKED BY: WJH
LOCATION:
May 13, 2025
DIV: 5

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS
Letter locations are string start to lower left corner
Series/Size
Text Length
E 2000
46.375
E 2000
23.3
EM 2000
78.7
EM 2000
61.7
NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 115B
TYPE: A
QUANTITY: 1
SIGN WIDTH: 13'-6"
HEIGHT: 12'-6"
TOTAL AREA: 168.75 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 12"
NO. Z BARS: 4
LENGTH: 154.0

BACKG COLOR: Green
COPY COLOR: White
SYMBOLX Y WID HT
M1-5-2-36-15C64.596.73333

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: SDW
PROJECT ID: I-6001
CHECKED BY: WJH
LOCATION:
May 06, 2025
DIV: 5

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS
Letter locations are string start to lower left corner
Series/Size
Text Length
EM 2000
123.5
EM 2000
74.7
E 2000
52.6
NORTH CAROLINA D.O.T. SIGN DETAIL

TIP NO.
I-6001

SHEET NO.
SIGN-3H

APPROVED:
DATE: 07/10/2025

SEAL

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THIS PLAN SUPERSEDES PLANS
SIGNED/SEALED ON 05/14/2025

SIGN DESIGNS

[illegible][illegible]

SIGN NUMBER: 116, 126 TYPE: A QUANTITY: 2 SIGN WIDTH: 16'-0" HEIGHT: 3'-0" TOTAL AREA: 48 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 2" RADII: NO. Z BARS: 2 LENGTH: 184.0	BACKG COLOR: Green COPY COLOR: White <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <th>SYMBOL</th> <th>X</th> <th>Y</th> <th>WID</th> <th>HT</th> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table> MAT'L: 0.125" (3.2 mm) ALUMINUM	SYMBOL	X	Y	WID	HT																																				DESIGN BY: SWH PROJECT ID: I-6001 CHECKED BY: WJH LOCATION: Feb 19, 2025 DIV: 5
SYMBOL	X	Y	WID	HT																																						

Diagram showing sign layout with dimensions: 16'-0" width, 11.335" height. Spacing Factor is 1 unless specified otherwise.

USE NOTES: 1, 2

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

Spacing Factor is 1 unless specified otherwise

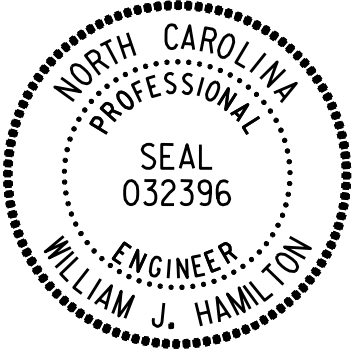
LETTER POSITIONS

Letter locations are panel edge to lower left corner															Series/Size Text Length	
F	r	a	n	k	l	i	n	C	o	u	n	t	y			EM 2008 173.29
9.36	22.82	31.48	45.61	59.74	72.67	80.67	88.67	100.13	108.13	121.46	134.66	148.79	161.58	171.31		

FILENAME: I-6001_SIGN_DSNIS

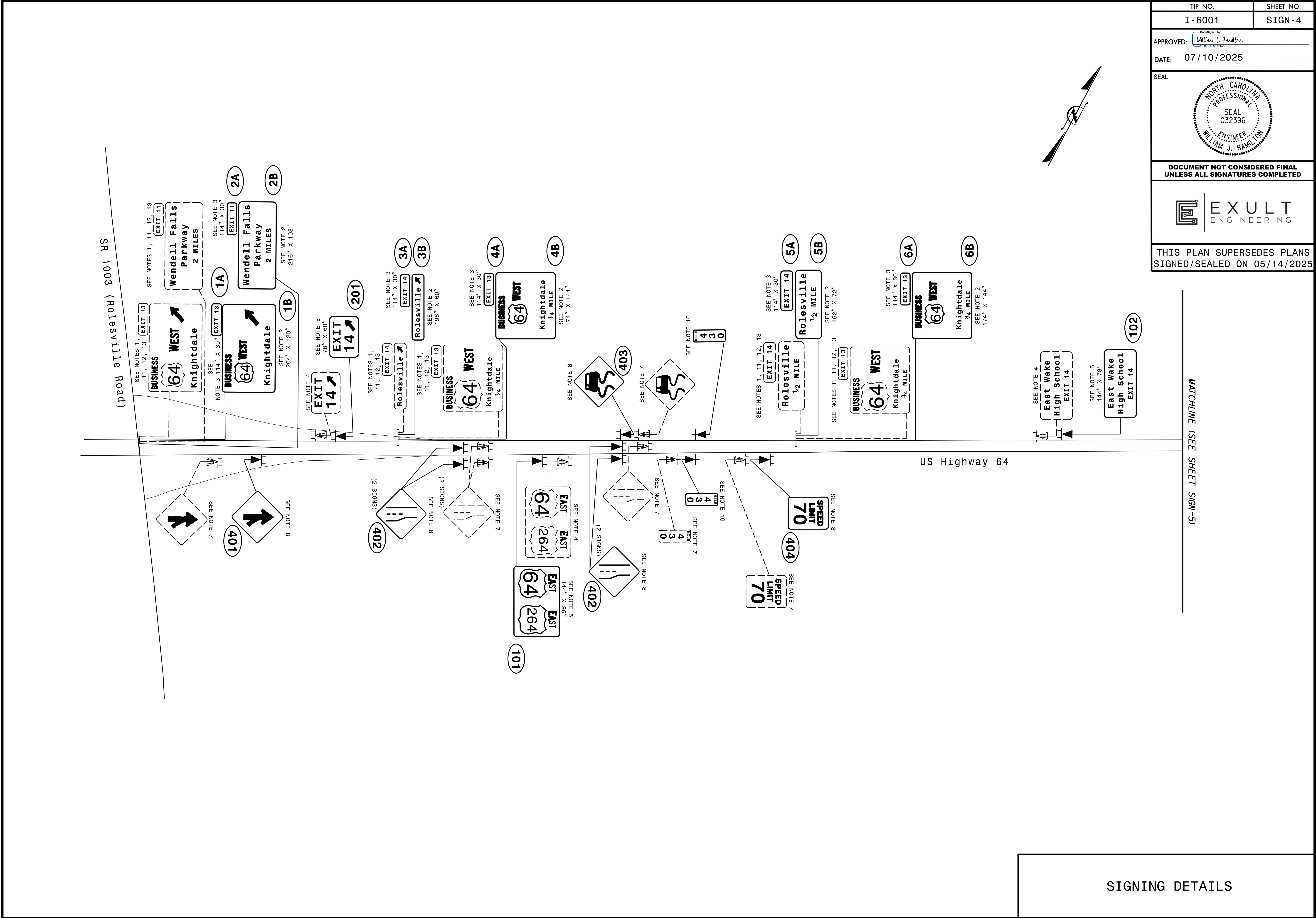
NORTH CAROLINA D.O.T. SIGN DETAIL

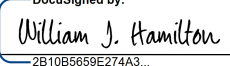
[illegible]

TIP NO.		SHEET NO.	
I - 6001		SIGN-3I	
Designed by: <i>William J. Hamilton</i> 2010B000927-CA3			
APPROVED:			
DATE: 07/10/2025			
SEAL			
			
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 EXULT ENGINEERING			
THIS PLAN SUPERSEDES PLANS SIGNED/SEALED ON 05/14/2025			

[illegible][illegible]

SIGN DESIGNS

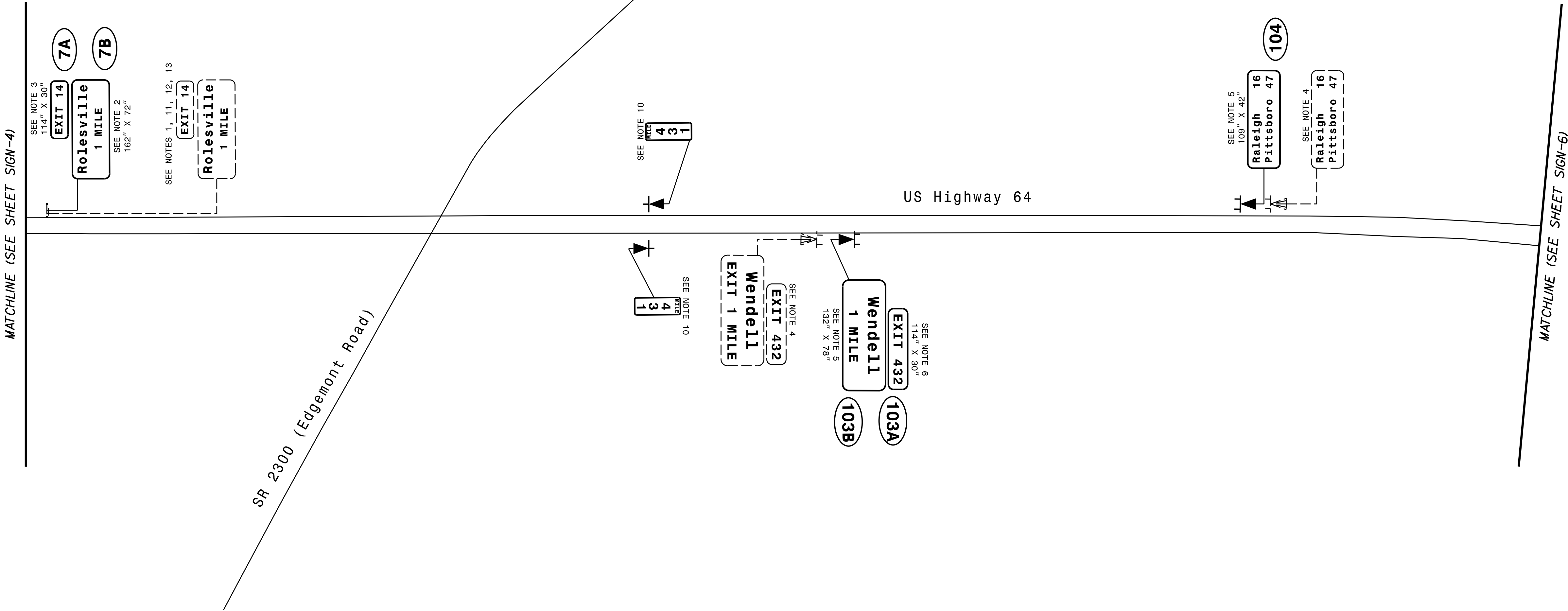
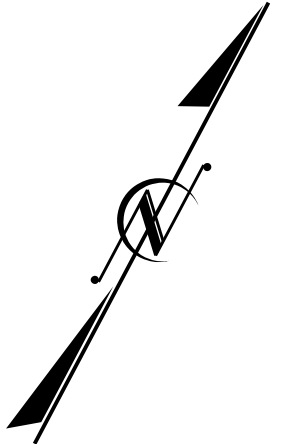


TIP NO. I - 6001	SHEET NO. SIGN - 4
APPROVED:  20250805PTAK	
DATE: 07/10/2025	
SEAL 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
	
THIS PLAN SUPERSEDES PLANS SIGNED/SEALED ON 05/14/2025	

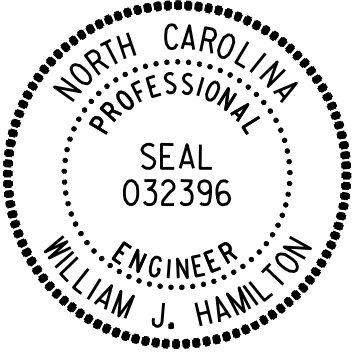
MATCHLINE (SEE SHEET SIGN-5)

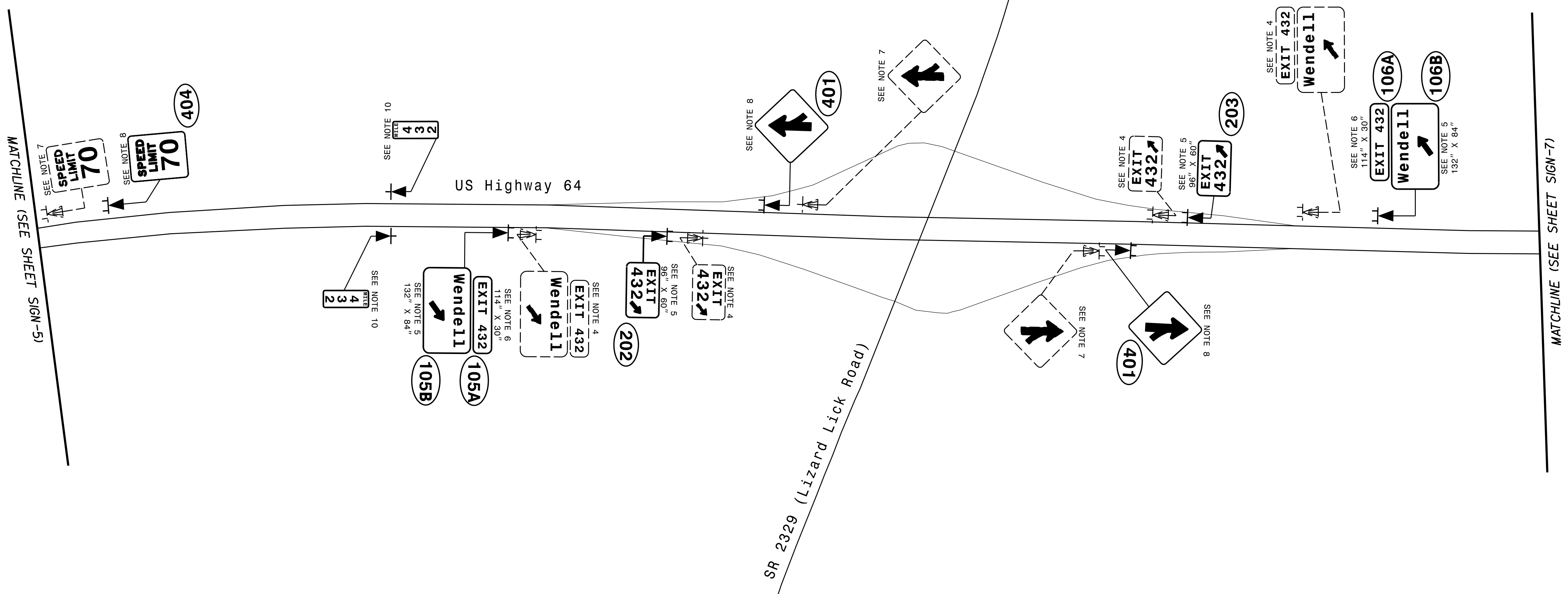
SIGNING DETAILS

TIP NO.	SHEET NO.
I - 6001	SIGN-5
APPROVED: DESIGNED BY: <i>William J. Hamilton</i> SEAL 032396	
DATE: 07/10/2025	
SEAL SEAL 032396 ENGINEER WILLIAM J. HAMILTON NORTH CAROLINA PROFESSIONAL	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
EXULT ENGINEERING	
THIS PLAN SUPERSEDES PLANS SIGNED/SEALED ON 05/14/2025	

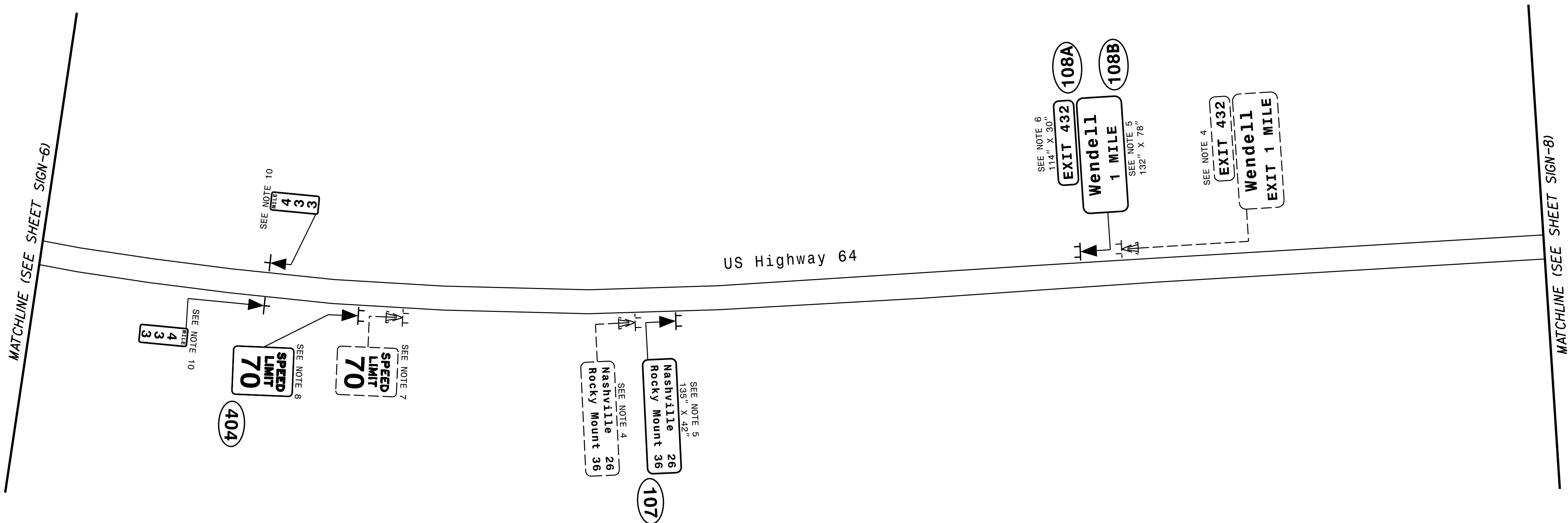


SIGNING DETAILS

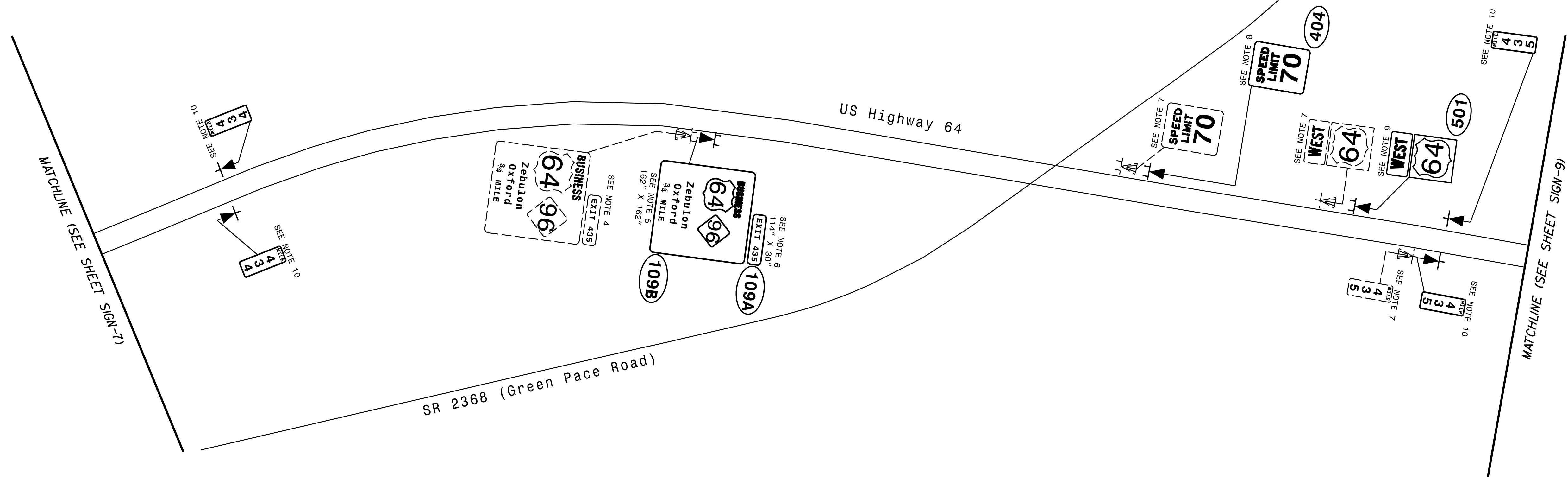
TIP NO.	SHEET NO.
I - 6001	SIGN-6
APPROVED: (Designed by:) <i>William J. Hamilton</i> (an independent review)	
DATE: 07/10/2025	
SEAL	
	
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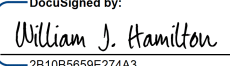
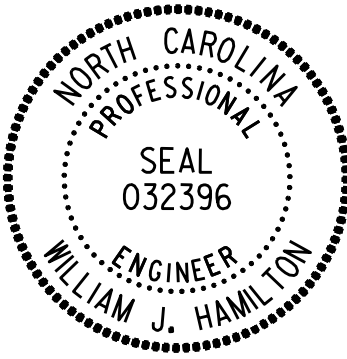


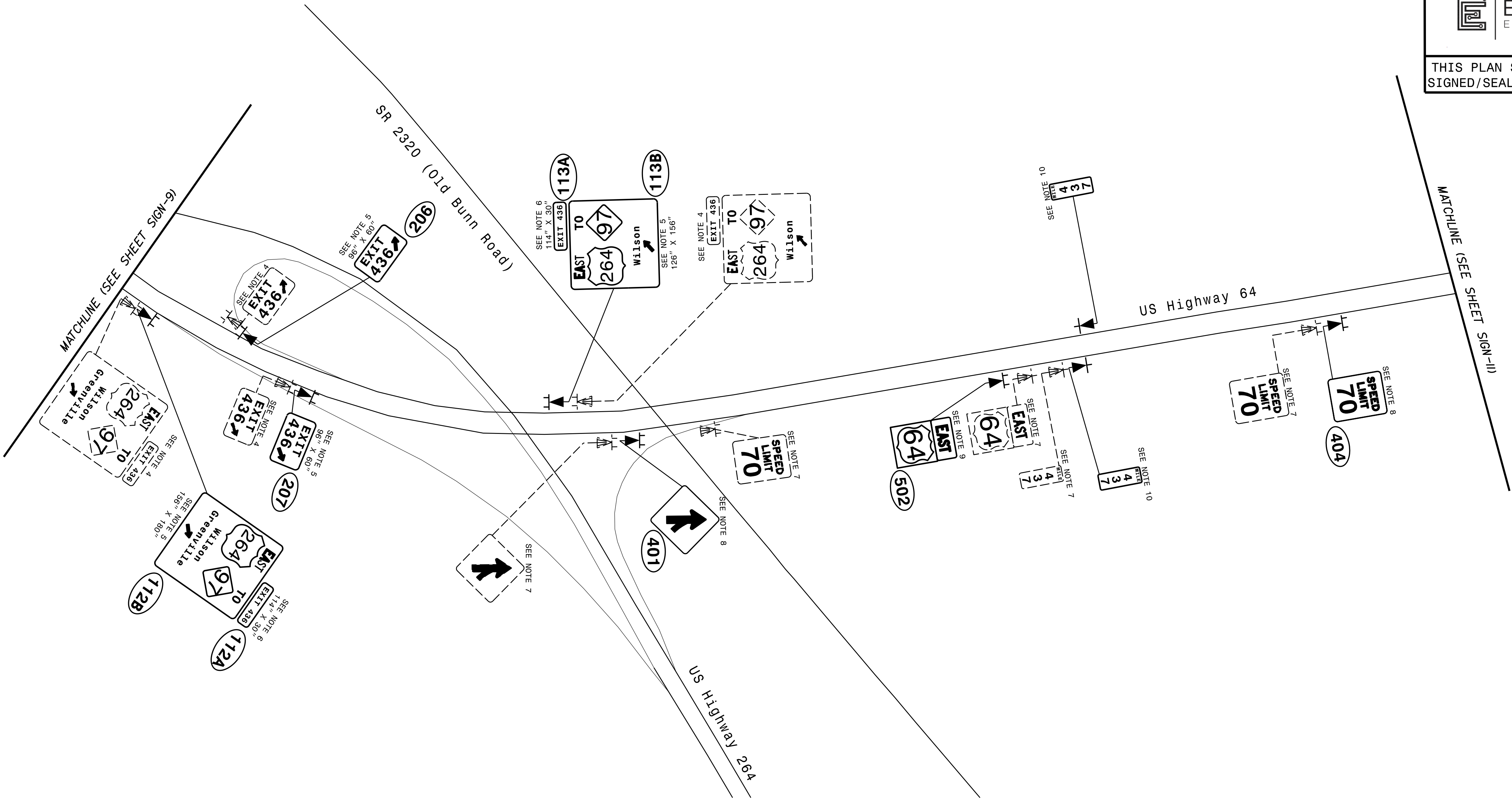
SIGNING DETAILS



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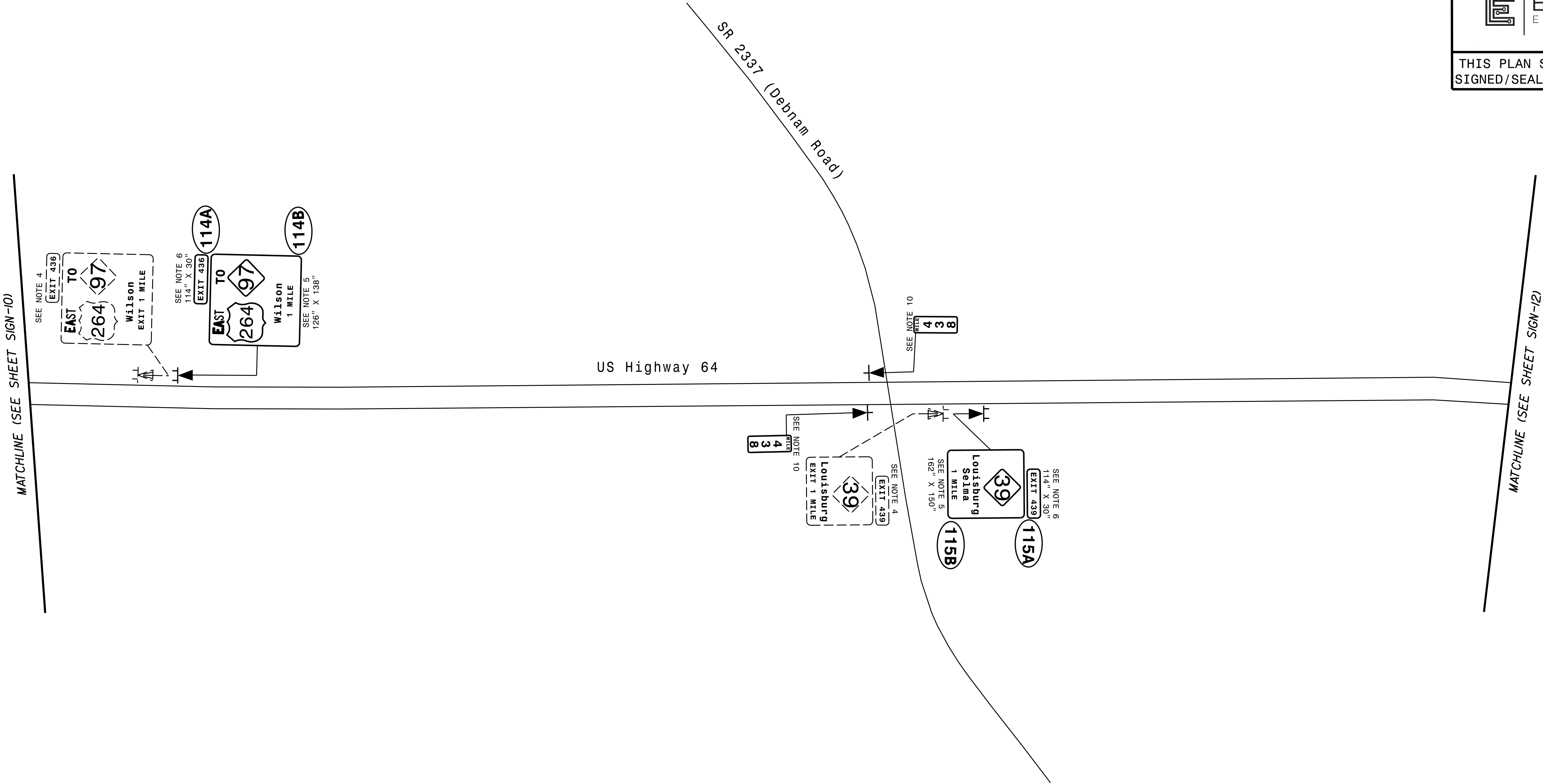
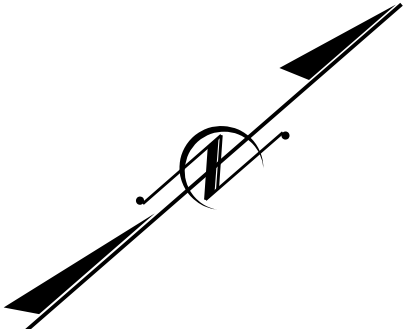


TIP NO.	SHEET NO.
I-6001	SIGN-10
APPROVED: Designed by:  25105550827443	
DATE: 07/10/2025	
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TIP NO.	SHEET NO.
I - 6001	SIGN-11
APPROVED: Designed by: William J. Hamilton 0728108585027463	
DATE: 07/10/2025	
SEAL NORTH CAROLINA PROFESSIONAL ENGINEER WILLIAM J. HAMILTON SEAL 032396	
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TIP NO.
I-6001

SHEET NO.
SIGN-12

APPROVED:

DocuSigned by:
William J. Hamilton
2510886927903

William J. Hamilton

DATE: 07/10/2025

SEAL

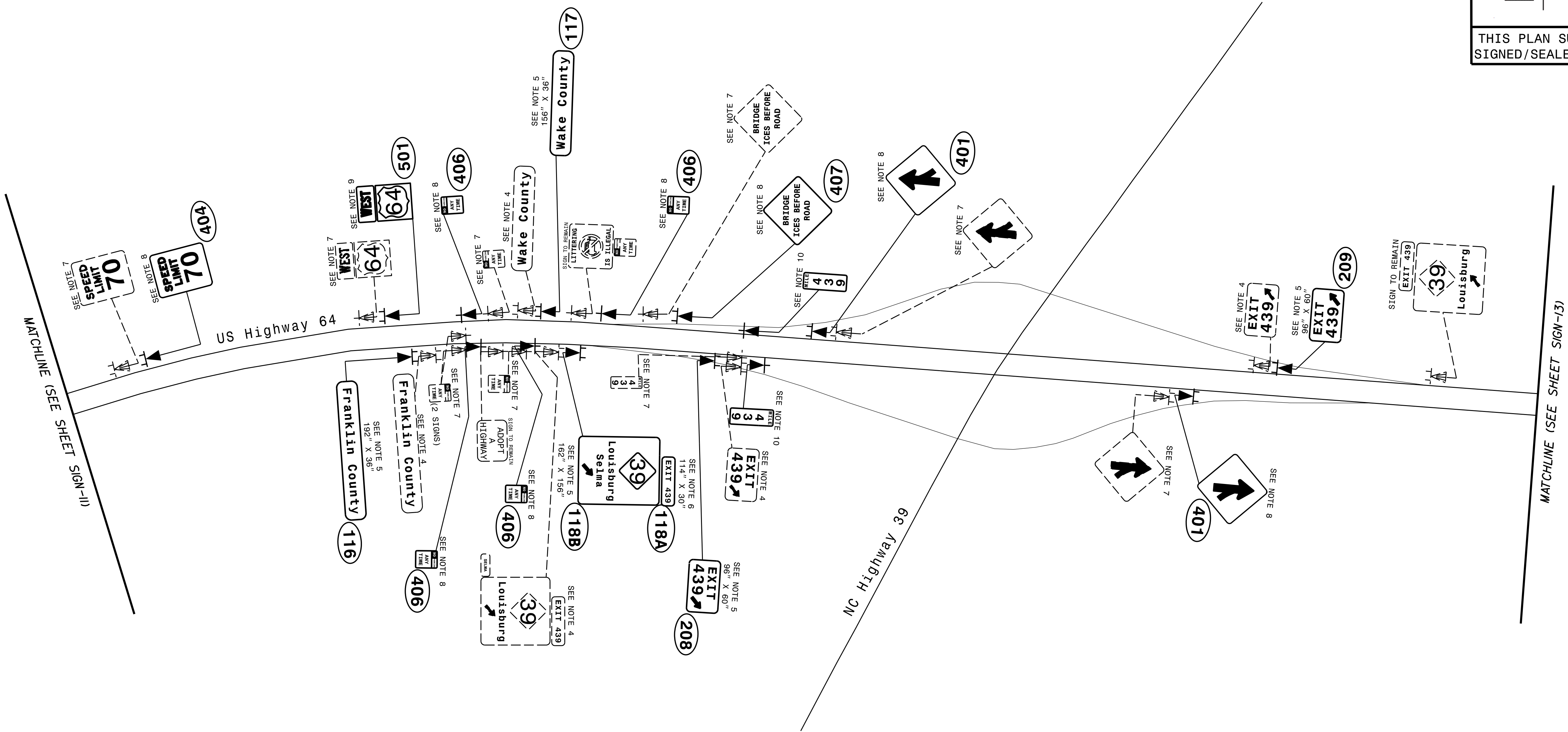
NORTH CAROLINA
PROFESSIONAL
ENGINEER
WILLIAM J. HAMILTON

SEAL
032396

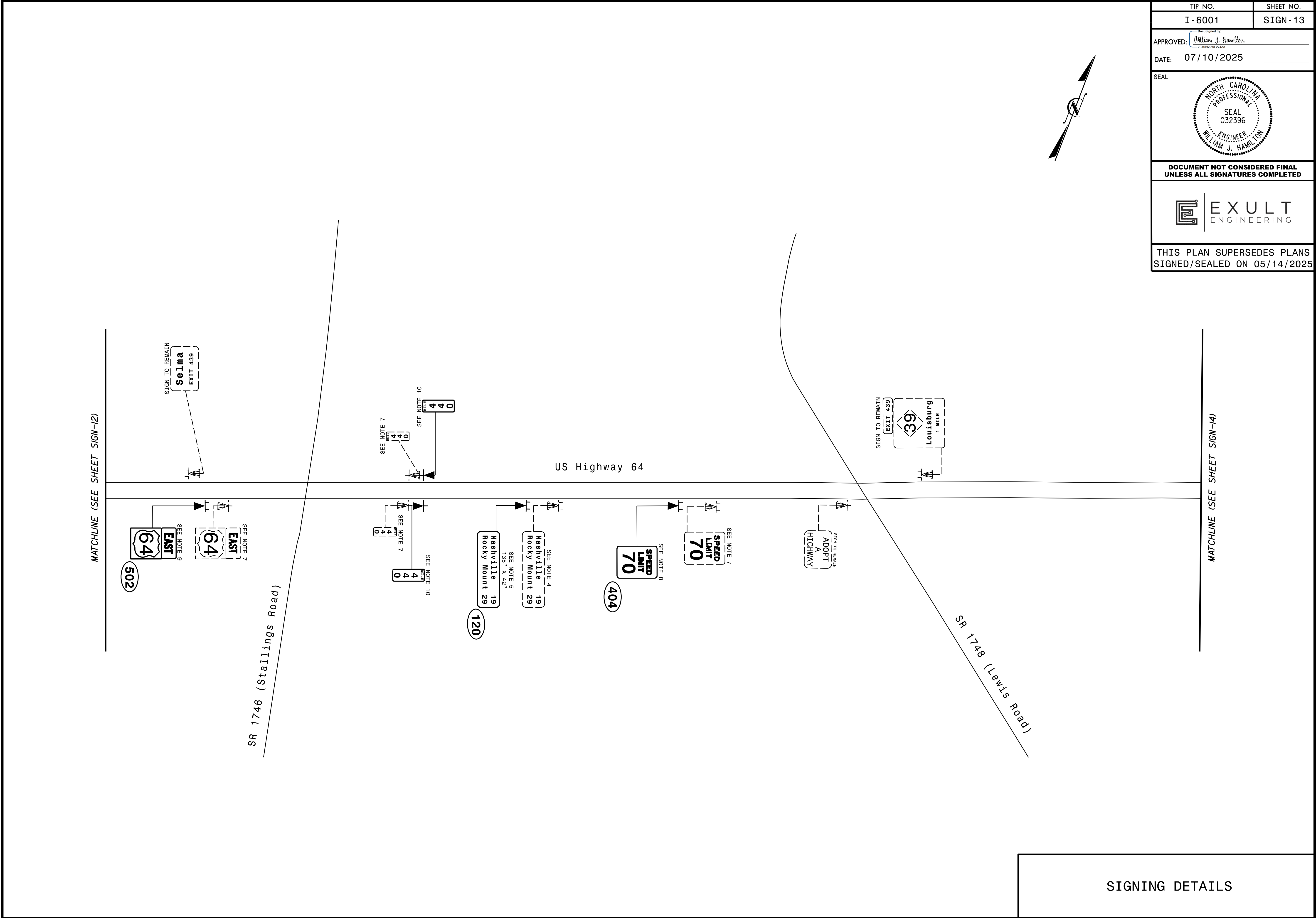
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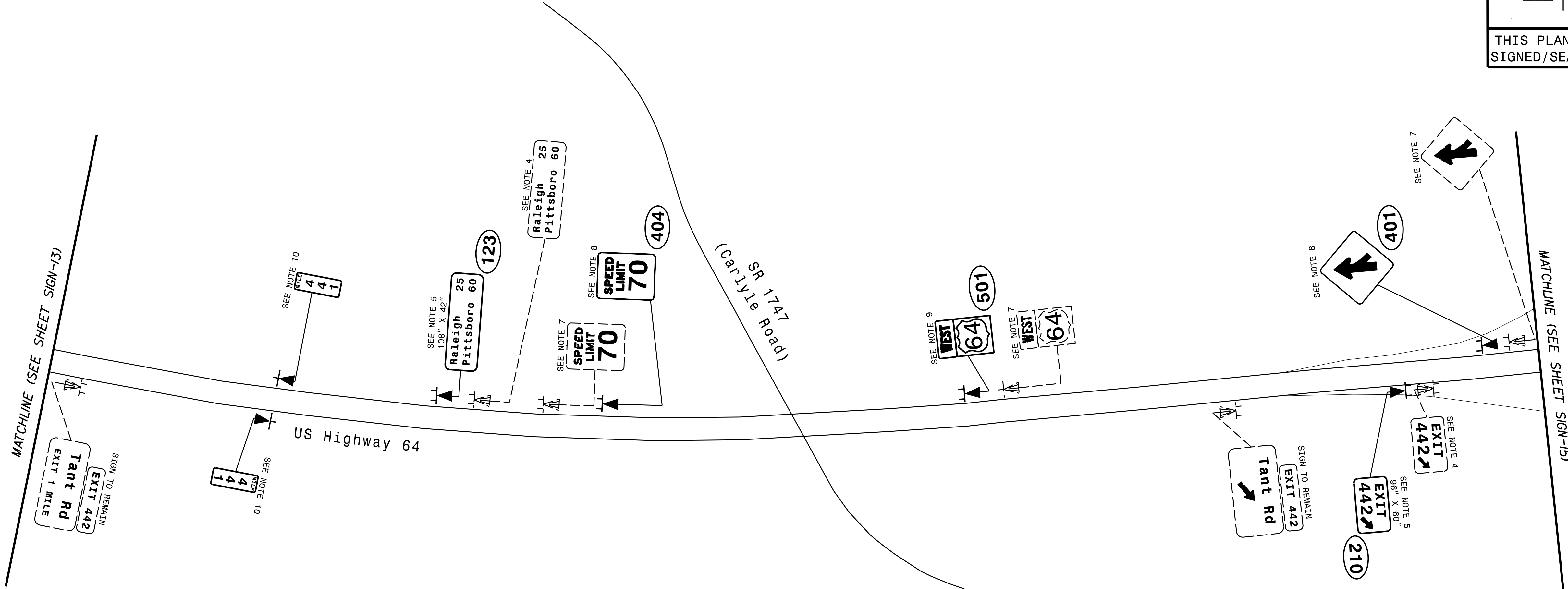
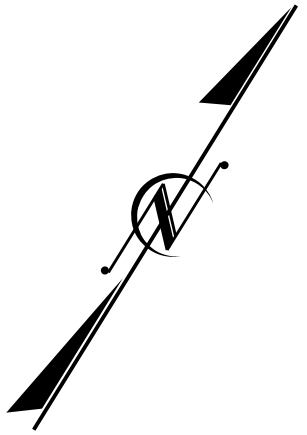


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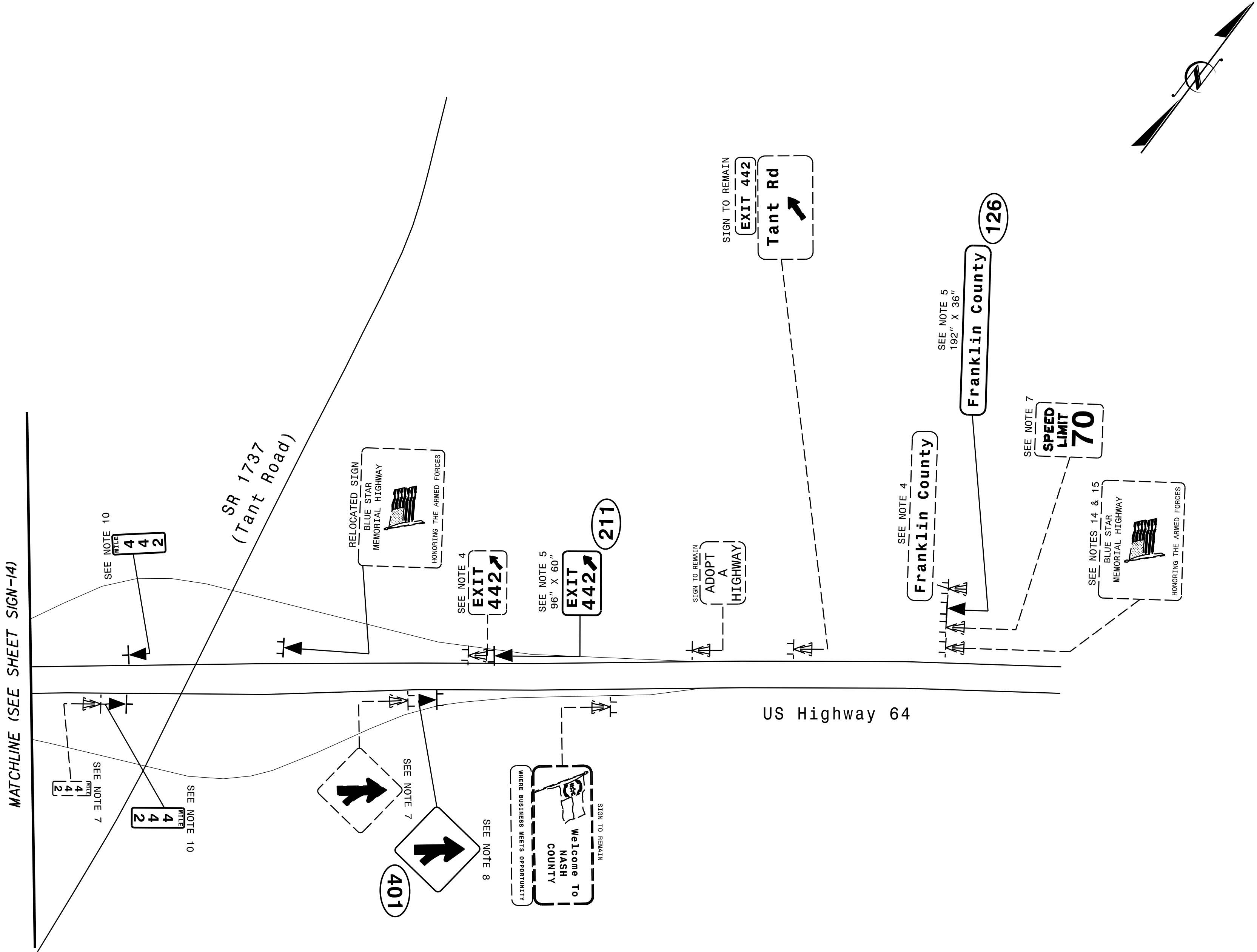


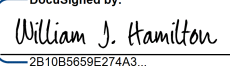
TIP NO.	SHEET NO.
I-6001	SIGN-13
APPROVED: DocuSigned by: William J. Hamilton 28165658E274A3	
DATE: 07/10/2025	
SEAL	
SEAL 032396 ENGINEER WILLIAM J. HAMILTON NORTH CAROLINA PROFESSIONAL	
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TIP NO.	SHEET NO.
I - 6001	SIGN - 14
APPROVED: DESIGNED BY: <i>William J. Hamilton</i> SEAL 032396 ENGINEER WILLIAM J. HAMILTON	
DATE: 07/10/2025	
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TIP NO. I-6001	SHEET NO. SIGN-15
APPROVED:  DESIGNED BY: WILLIAM J. HAMILTON 36105500271001	
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