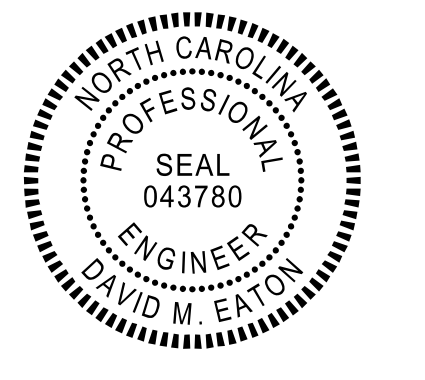


STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

PROJECT REFERENCE NO. I - 6039	SHEET NO. SIGN - 1
APPROVED: <u>David M. Eaton</u> DDA10SF247484F7...	
DATE: 03/17/2023	
SEAL 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

SIGNING PLAN
PENDER AND NEW HANOVER COUNTIES

LOCATION: I-40 FROM MILEMARKER 420 TO NC 210 (MILEMARKER 408)

ROADWAY STANDARD DRAWING

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

STD. NO.	TITLE
901.10	TYPE 'A' SIGNS (SHEET 2)
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 (SHEETS 1 AND 3)
904.10	ORIENTATION OF GROUND MOUNTED SIGNS
904.20	SECONDARY SIGN MOUNTING

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.
- . 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 EXISTING SIGNS ARE REMOVED AND INSTALLED ON NEW SUPPORTS, THE RE-ERECTION SHALL IMMEDIATELY FOLLOW THE REMOVAL.
- . 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.

SUMMARY OF QUANTITIES

ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4048000000	902	REINFORCED CONCRETE SIGN FOUNDATION	7	C.Y.
4054000000	902	PLAIN CONCRETE SIGN FOUNDATION	2	C.Y.
4060000000	903	SUPPORTS, BREAKAWAY STEEL BEAM	6831	LB.
4066000000	903	SUPPORTS, SIMPLE STEEL BEAM	1263	LB.
4109000000	904	SIGN ERECTION, TYPE A (OVERHEAD)	17	EA.
4110000000	904	SIGN ERECTION, TYPE A (GROUND MOUNTED)	14	EA.
4110000000	904	SIGN ERECTION, TYPE B (GROUND MOUNTED)	2	EA.
4152000000	907	DISPOSAL OF SIGN SYSTEM, STEEL BEAM	14	EA.
4234000000	907	DISPOSAL OF SIGN, A OR B (OVERHEAD)	17	EA.

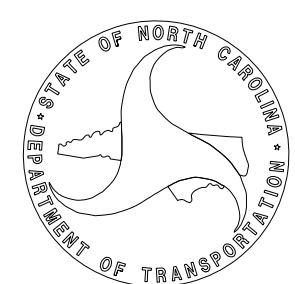
INDEX

SHEET NO.	DESCRIPTION
SIGN-1	TITLE SHEET
SIGN-1A Thru 1C	REVISED SIGNING STANDARD DRAWINGS
SIGN-2 Thru 2A	SIGN SUPPORT INFORMATION
SIGN-3 Thru 3H	SIGN DESIGNS
SIGN-4 Thru 8	SIGNING PLAN SHEETS

PLAN PREPARED BY: N.C.D.O.T. SIGNING AND DELINEATION UNIT

Ayman Alqudwah, PE SIGNING & DELINEATION REGIONAL ENGINEER

David M. Eaton, PE SIGNING & DELINEATION PROJECT DESIGN ENGINEER

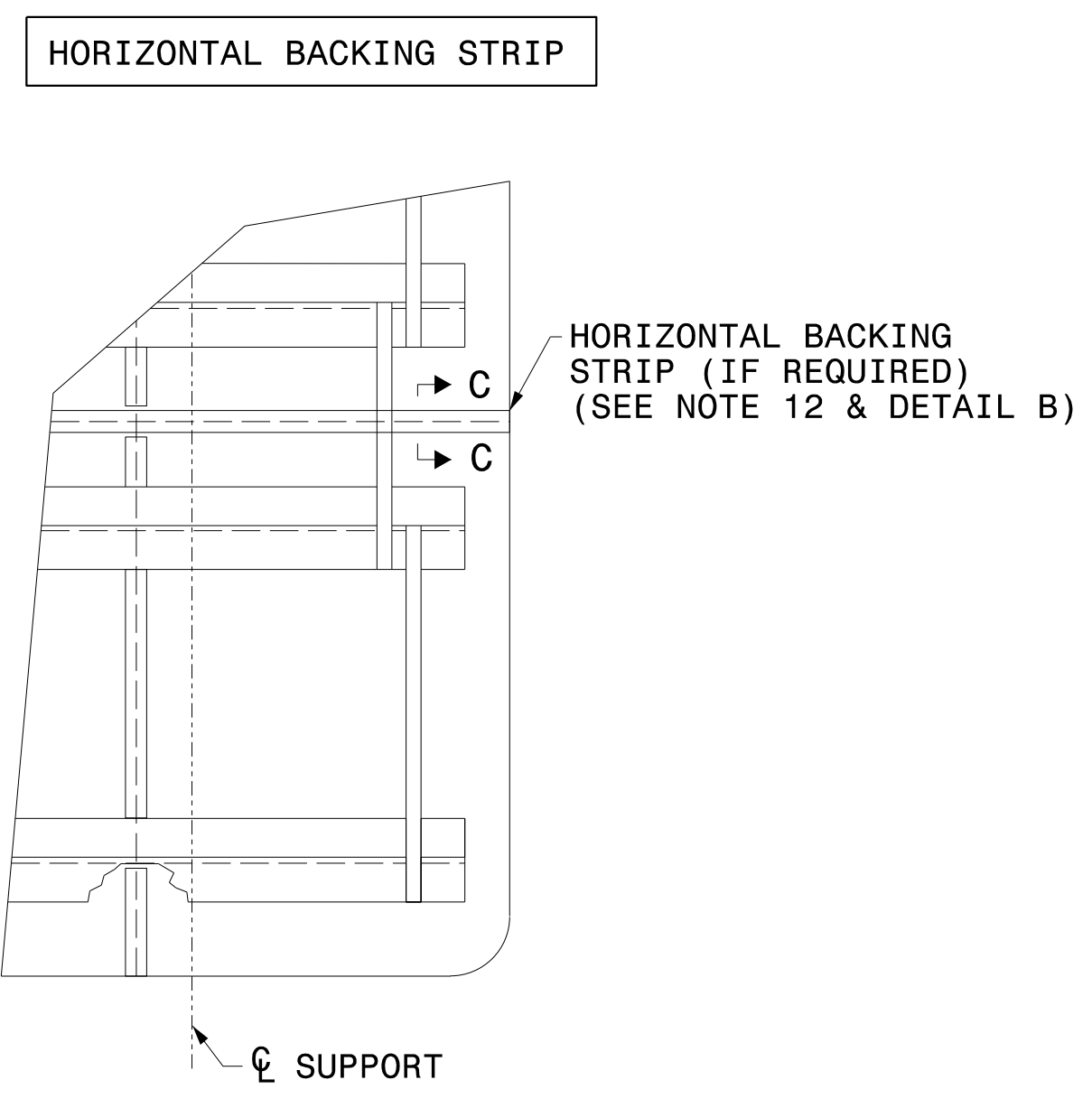
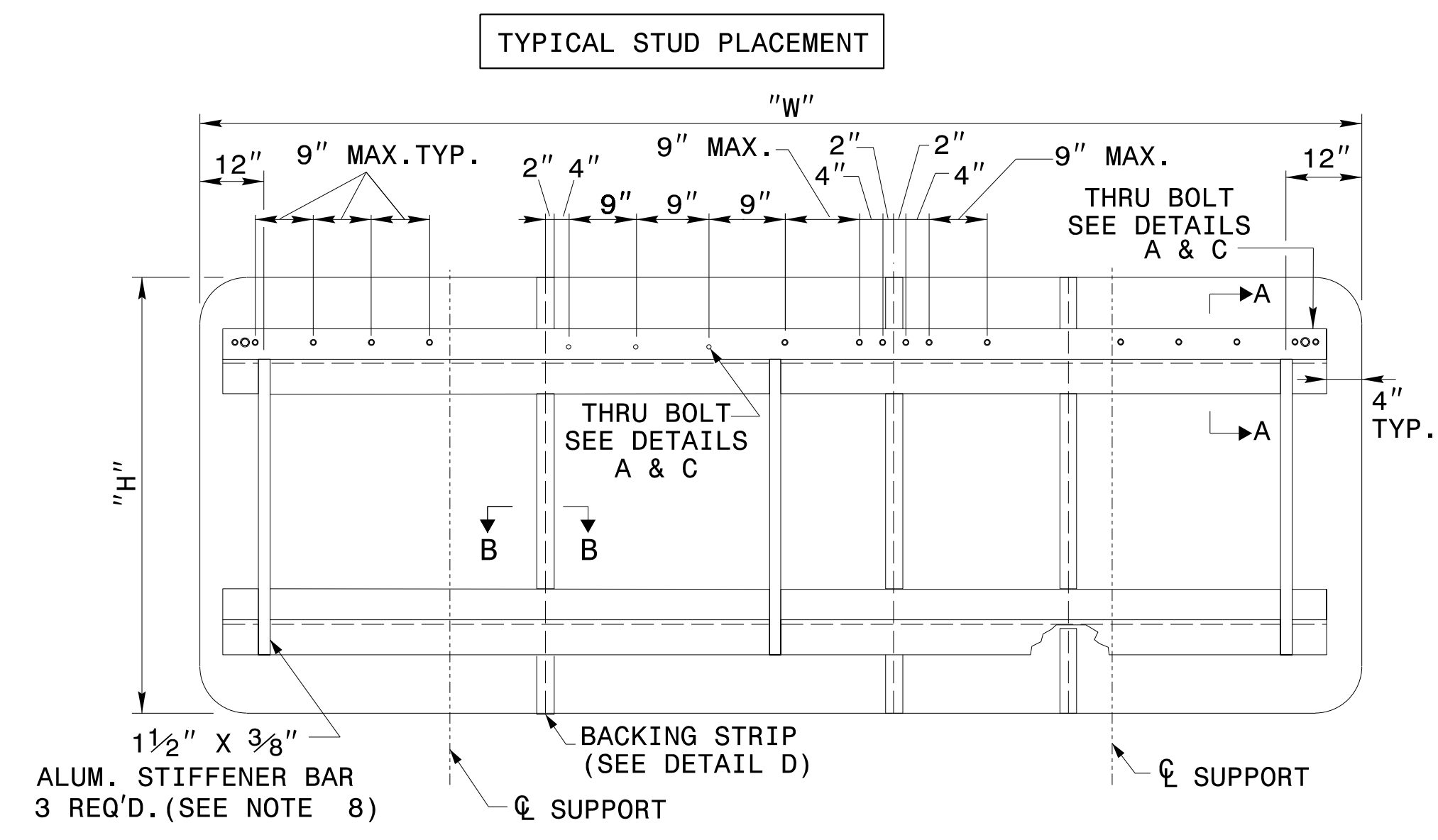


T.I.P.: I-6039

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

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

SHEET 1 OF 2
901D10



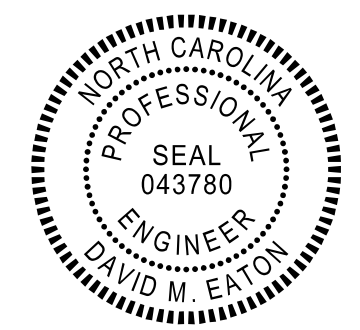
- NOTES:
- USE THE NUMBER AND SIZE OF SUPPORTS SHOWN ON THE SUPPORT CHART IN PROJECT PLANS.
 - FABRICATE SIGN PANEL SECTIONS WITH SHEETS 4'-0" WIDE. WHEN FABRICATING SIGNS WHICH ARE NOT MULTIPLES OF 4'-0" IN WIDTH, DO NOT CUT MORE THAN TWO SHEETS TO LESS THAN 4'-0" IN WIDTH. THESE PANELS SHALL NOT BE 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
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

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

SHEET 1 OF 2
901D10

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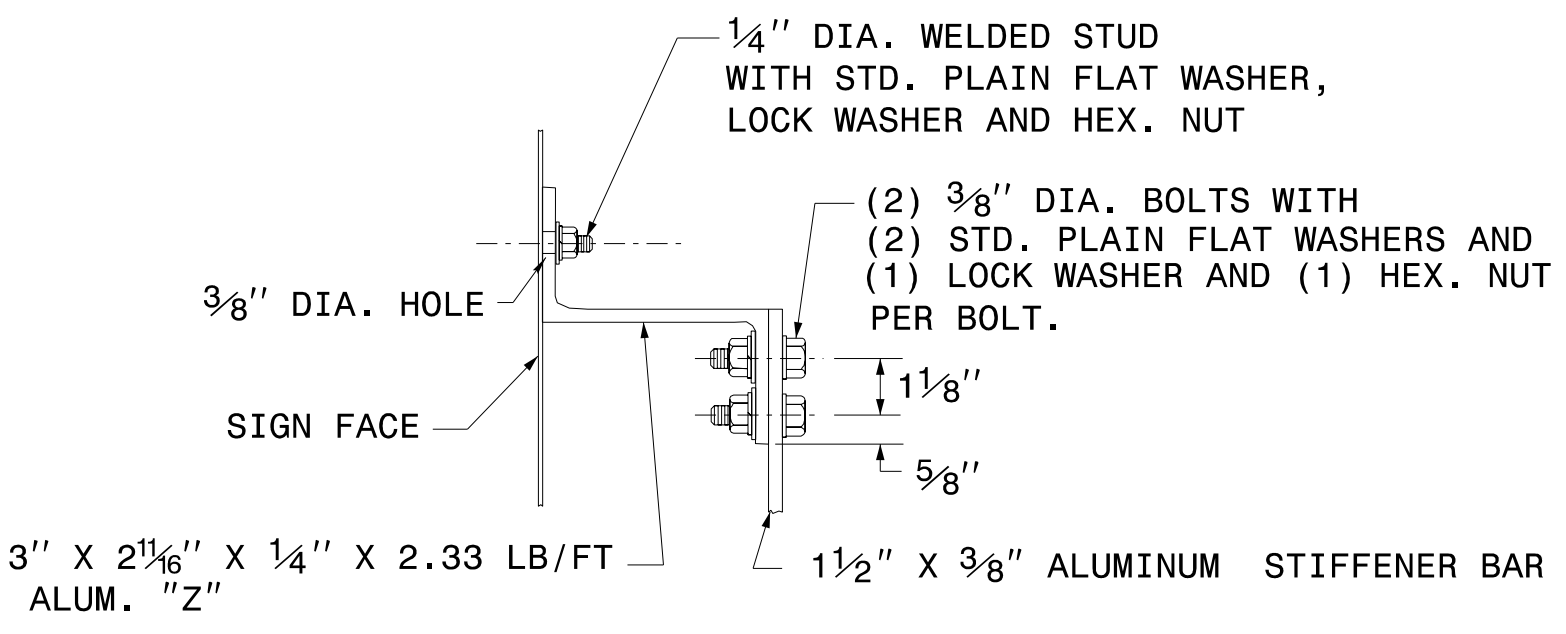
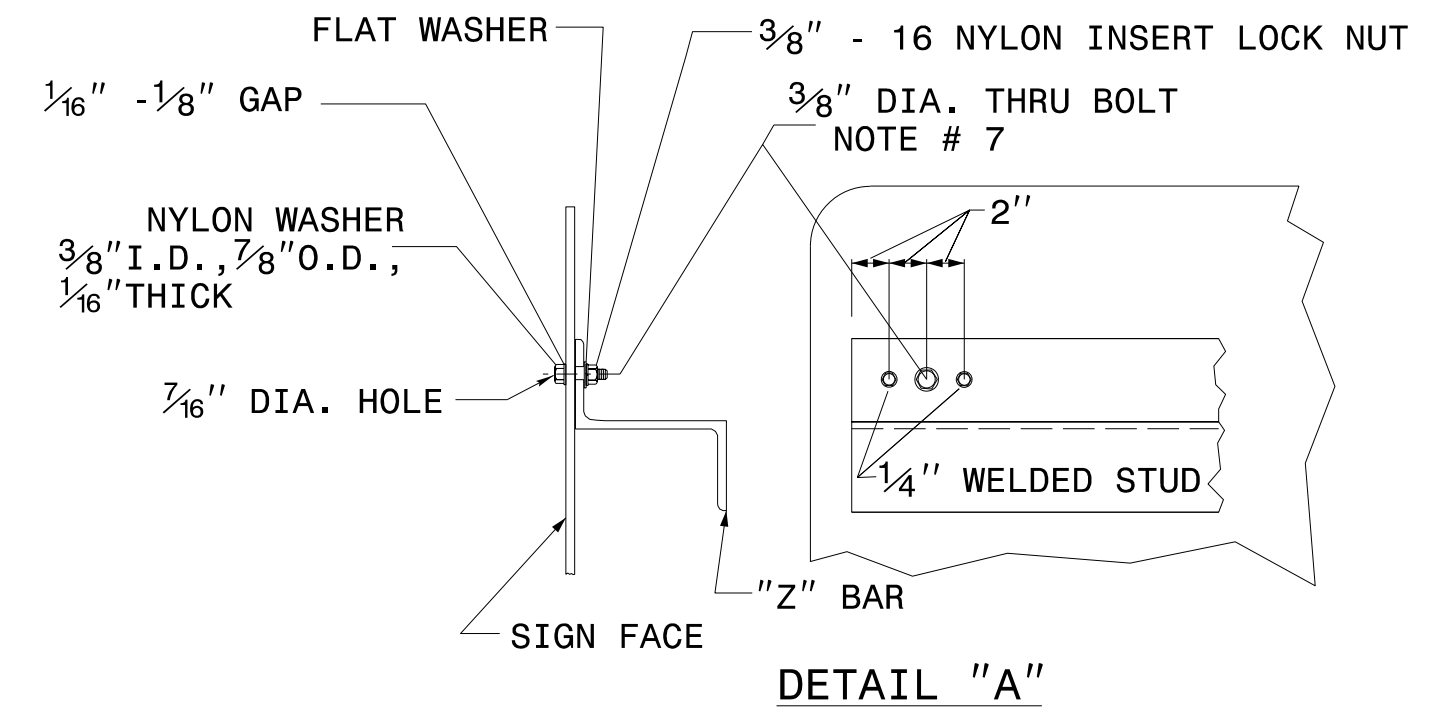


STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

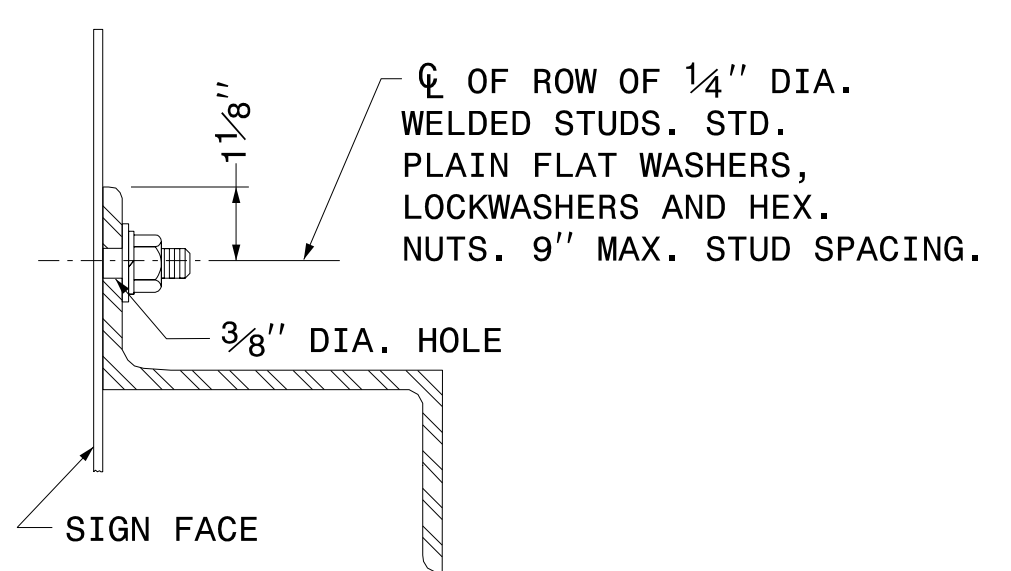
2-19

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

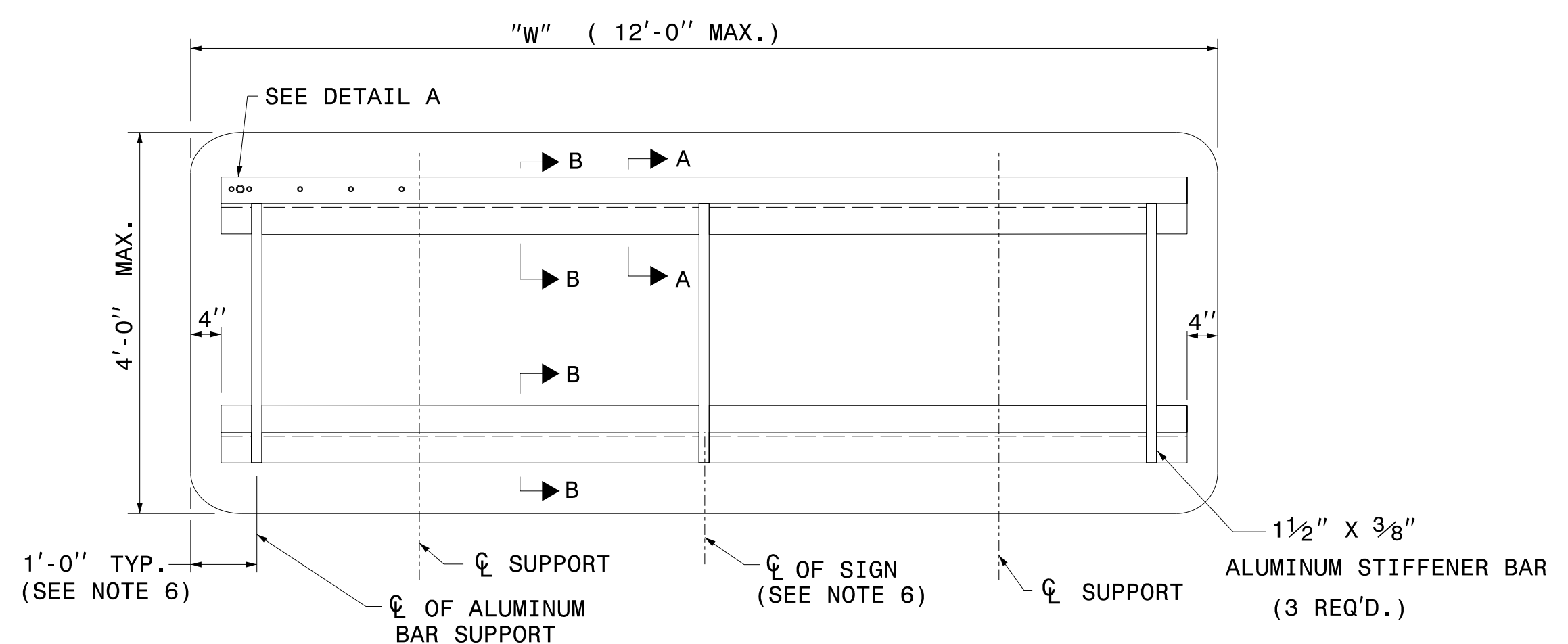
SHEET 1 OF 1
901D20



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

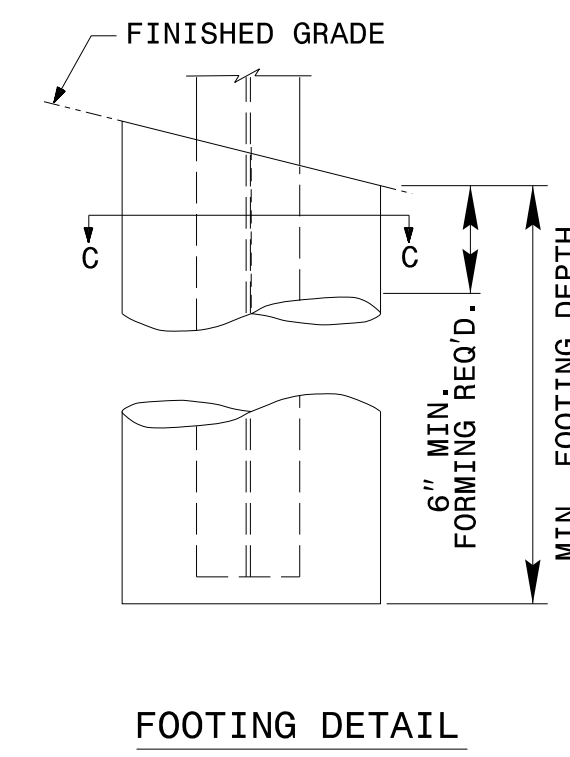
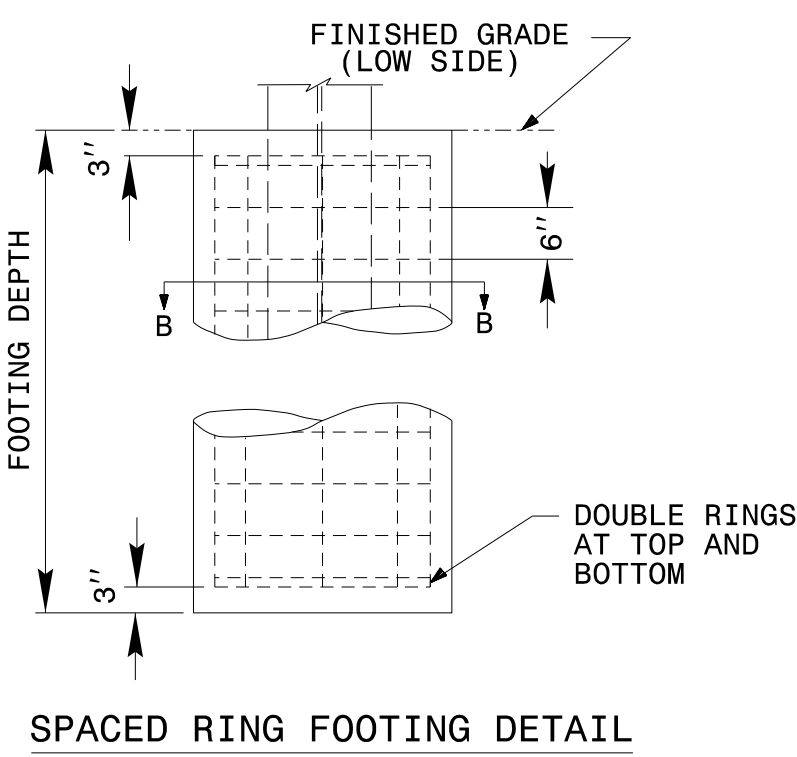
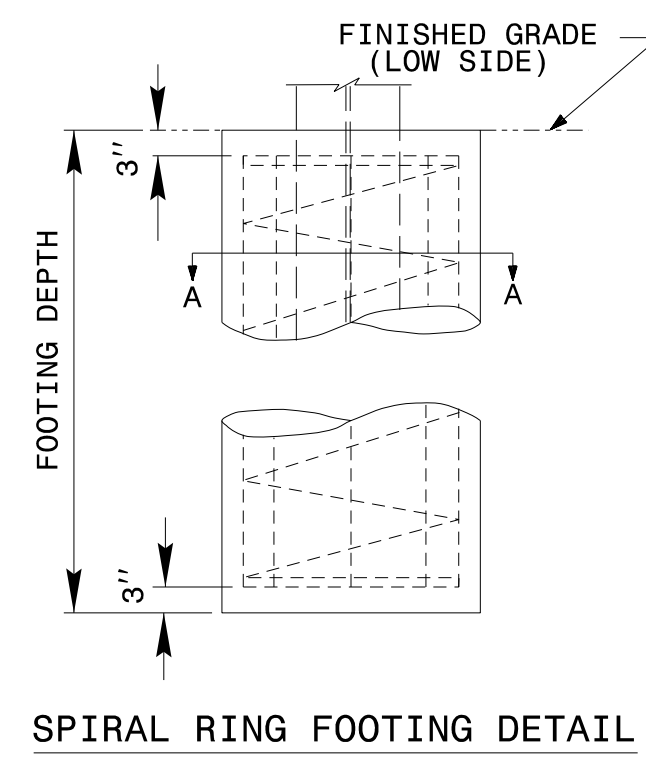
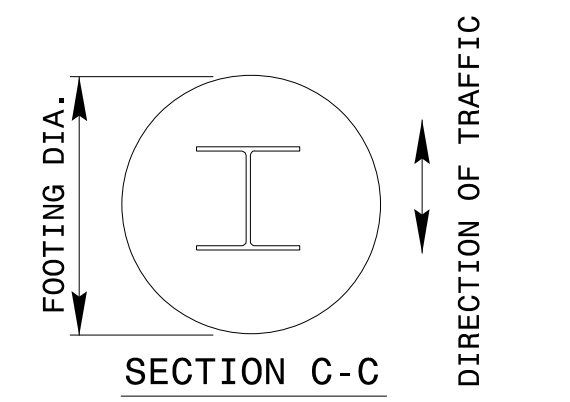
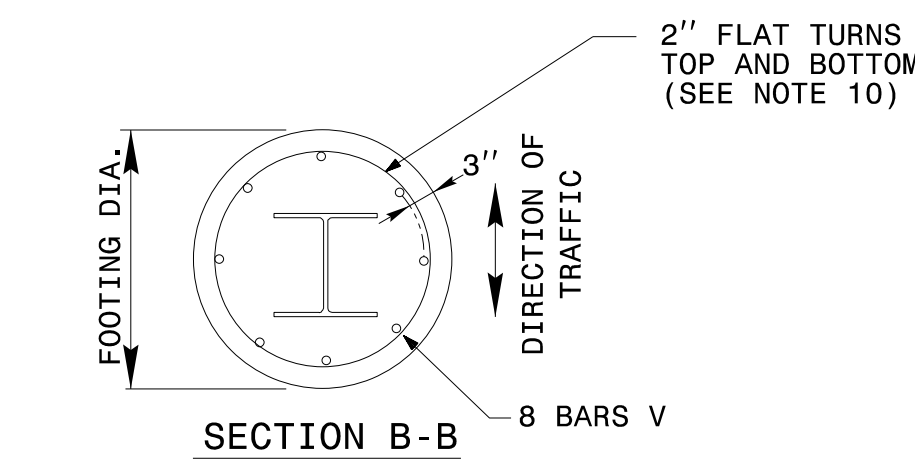
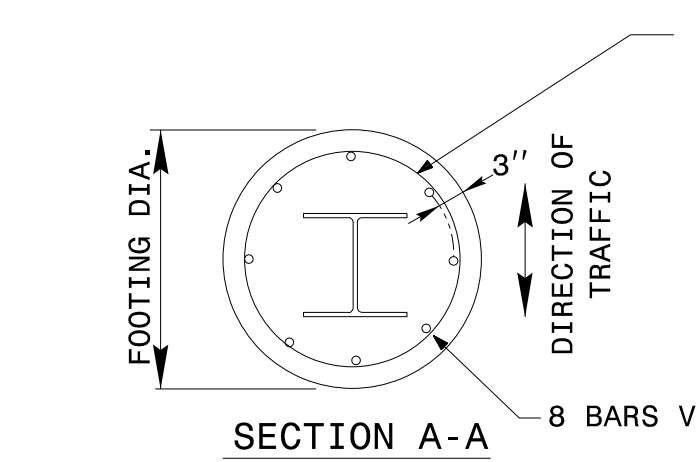
STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

5-20

ENGLISH DETAIL DRAWING FOR
GROUND MOUNTED SIGN SUPPORTS

SHEET 2 OF 3
903D10

BEAM SHAPE	BOLT SIZE	SLIP BASE PLATE DATA							KEEPER PLATE DATA							HINGE CONNECTION DATA							BREAK AWAY SUPPORT WEIGHT CONSTANT LBS.			
		A ₁	B ₁	C ₁	D ₁	E ₁	T ₁	R ₁	A ₂	B ₂	C ₂	D ₂	E ₂	R ₂	T ₂	BOLT SIZE	F	G	H	I	J	K		L	R ₃	T ₃
S3X5.7	1/2"DIA.X 3/4"	7"	4"	1"	3/4"	2 1/2"	1"	9/32"	7"	4"	1"	3/4"	2 1/2"	9/32"	28 GAUGE	1/2"DIA.X1 3/4"	2 1/4"	3 1/2"	4"	1/2"	1"	1/2"	2"	9/32"	3/8"	18
S4X7.7	1/2"DIA.X 3/4"	8"	4"	1"	3/4"	2 1/2"	1"	9/32"	8"	4"	1"	3/4"	2 1/2"	9/32"	28 GAUGE	1/2"DIA.X1 3/4"	2 5/8"	3 1/2"	4"	1/2"	1"	1/2"	2"	9/32"	3/8"	20
W6X9	1/2"DIA.X 3/4"	10"	5"	1"	3/4"	3 1/2"	1"	9/32"	10"	5"	1"	3/4"	3 1/2"	9/32"	28 GAUGE	1/2"DIA.X1 3/4"	4"	3 1/2"	4"	3/4"	1"	1/2"	2"	9/32"	3/8"	32
W6X12	5/8"DIA.X 4"	11"	5"	1 1/4"	7/8"	3 1/4"	1 1/4"	1 1/32"	11"	5"	1 1/4"	7/8"	3 1/4"	1 1/32"	28 GAUGE	5/8"DIA.X 2"	4"	4"	4 1/2"	3/4"	1 1/8"	5/8"	2 1/4"	1 1/32"	3/8"	39
W6X16	5/8"DIA.X 4 1/2"	12"	6"	1 1/4"	7/8"	4 1/4"	1 1/2"	1 1/32"	12"	6"	1 1/4"	7/8"	4 1/4"	1 1/32"	28 GAUGE	5/8"DIA.X 2 1/4"	4"	4"	4 1/2"	3/4"	1 1/8"	5/8"	2 1/4"	1 1/32"	1/2"	47
W8X18	5/8"DIA.X 4 1/2"	13 1/2"	6 1/2"	1 1/4"	7/8"	4 3/4"	1 1/2"	1 1/32"	13 1/2"	6 1/2"	1 1/4"	7/8"	4 3/4"	1 1/32"	28 GAUGE	5/8"DIA.X 2 1/4"	5 1/4"	4"	4 1/2"	1"	1 1/8"	5/8"	2 1/4"	1 1/32"	1/2"	70
W8X21	3/4"DIA.X 4 1/2"	14"	7"	1 1/2"	1"	5"	1 1/2"	1 3/32"	14"	7"	1 1/2"	1"	5"	1 3/32"	28 GAUGE	3/4"DIA.X 2 1/2"	5 1/4"	6"	7"	1"	1 3/4"	3/4"	3 1/2"	1 3/32"	1/2"	73
W10X22	3/4"DIA.X 4 1/2"	16"	8"	1 1/2"	1"	6"	1 1/2"	1 3/32"	16"	8"	1 1/2"	1"	6"	1 3/32"	28 GAUGE	3/4"DIA.X 2 1/2"	5 3/4"	6"	7"	1"	1 3/4"	3/4"	3 1/2"	1 3/32"	1/2"	119
W10X26	3/4"DIA.X 5 1/2"	16 1/2"	8"	1 1/2"	1"	6"	1 3/4"	1 3/32"	16 1/2"	8"	1 1/2"	1"	6"	1 3/32"	28 GAUGE	3/4"DIA.X 2 3/4"	5 3/4"	6"	7"	1"	1 3/4"	3/4"	3 1/2"	1 3/32"	5/8"	140
W12X26	3/4"DIA.X 5 1/2"	18 1/2"	9"	1 1/2"	1"	7"	1 3/4"	1 3/32"	18 1/2"	9"	1 1/2"	1"	7"	1 3/32"	28 GAUGE	3/4"DIA.X 2 3/4"	6 1/2"	6"	7"	1"	1 3/4"	3/4"	3 1/2"	1 3/32"	5/8"	176
W14X30	1"DIA.X 6"	22"	9"	2"	1 1/2"	6"	2"	1 7/32"	22"	9"	2"	1 1/2"	6"	1 7/32"	28 GAUGE	1"DIA.X 3"	6 3/4"	7"	8"	1 1/4"	2"	1"	4"	1 7/32"	5/8"	205
W16X31	1"DIA.X 6"	24"	9"	2"	1 1/2"	6"	2"	1 7/32"	24"	9"	2"	1 1/2"	6"	1 7/32"	28 GAUGE	1"DIA.X 3"	5 1/2"	7"	8"	1 1/4"	2"	1"	4"	1 7/32"	3/4"	223
W18X35	1"DIA.X 6"	25"	9"	2"	1 1/2"	6"	2"	1 7/32"	25"	9"	2"	1 1/2"	6"	1 7/32"	28 GAUGE	1"DIA.X 3"	6"	7"	8"	1 1/4"	2"	1"	4"	1 7/32"	3/4"	243
W18X40	1"DIA.X 6 1/2"	26"	9"	2"	1 1/2"	6"	2 1/4"	1 7/32"	26"	9"	2"	1 1/2"	6"	1 7/32"	28 GAUGE	1"DIA.X 3 1/2"	6"	7"	8"	1 1/4"	2"	1"	4"	1 7/32"	7/8"	278
W21X44	1"DIA.X 7"	29"	9"	2"	1 1/2"	6"	2 1/2"	1 7/32"	29"	9"	2"	1 1/2"	6"	1 7/32"	28 GAUGE	1"DIA.X 3 1/2"	6 1/2"	7"	8"	1 1/4"	2"	1"	4"	1 7/32"	7/8"	310



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

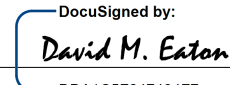
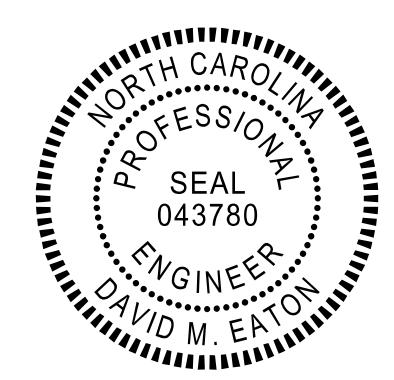
* FOUNDATION DIMENSIONS ARE SHOWN IN PLANS

STATE OF NORTH CAROLINA
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RALEIGH, N.C.

5-20

ENGLISH DETAIL DRAWING FOR
GROUND MOUNTED SIGN SUPPORTS

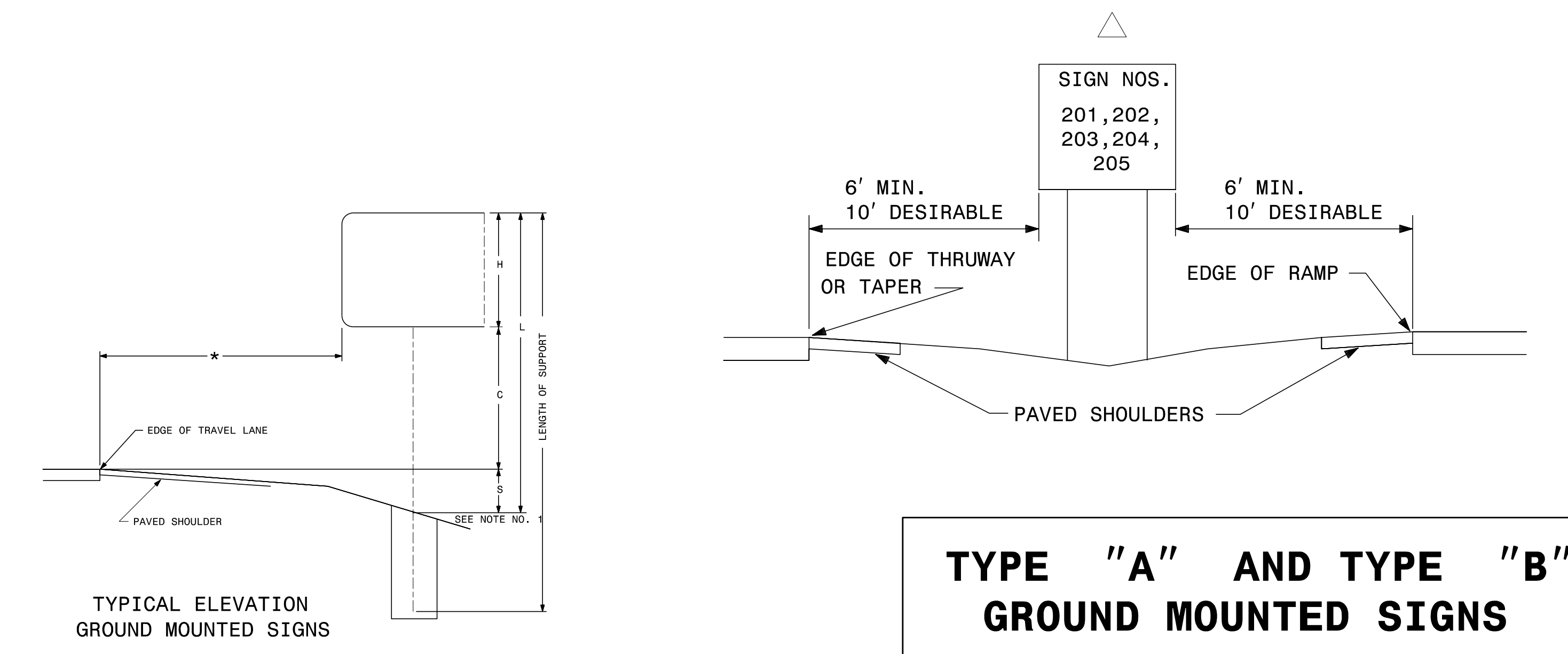
SHEET 2 OF 3
903D10

PROJECT REFERENCE NO.	SHEET NO.
I - 6039	SIGN-2
APPROVED:  David M. Eaton DDA1C8F247484F7	
DATE: 11/09/2022	
SEAL	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

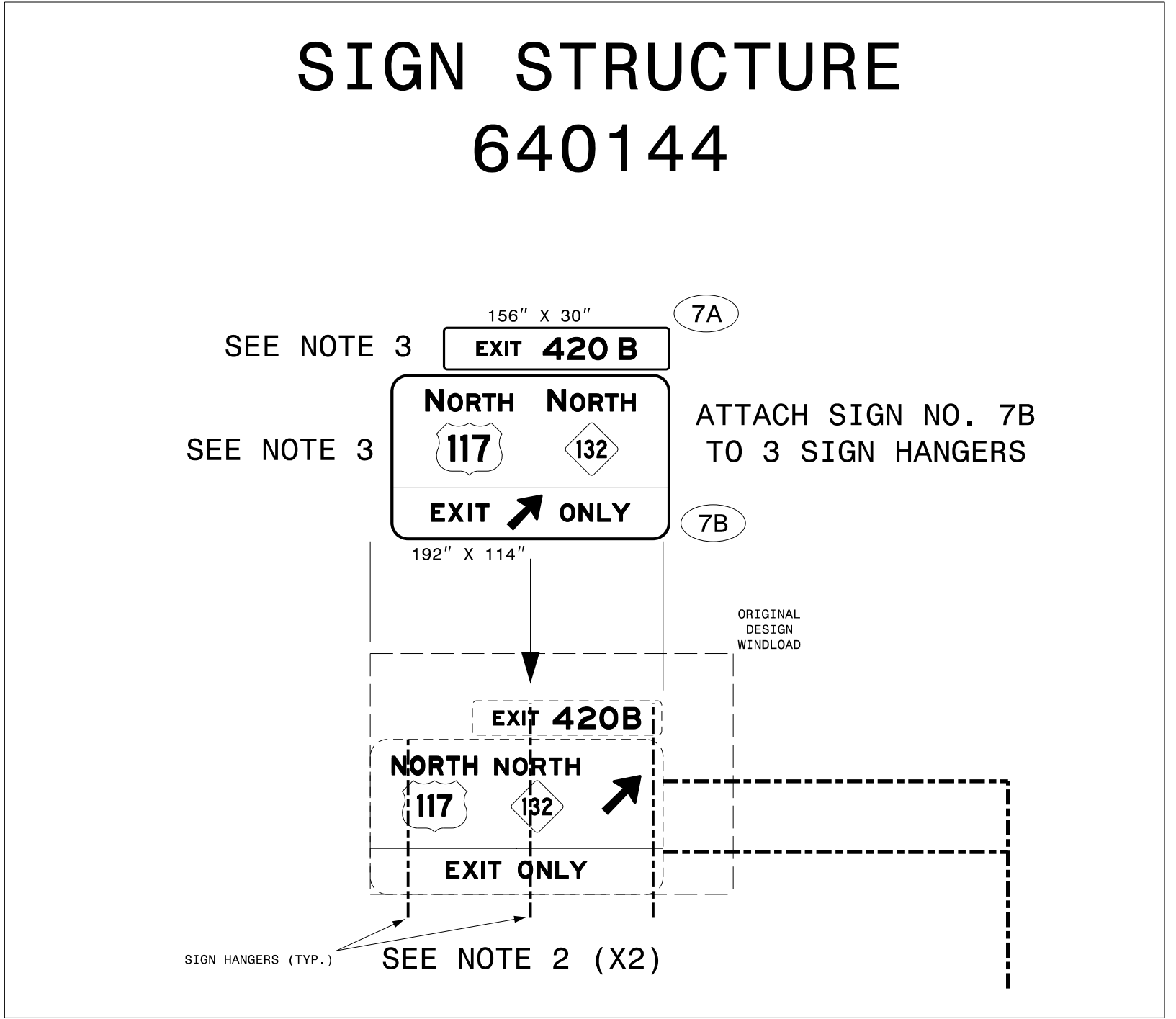
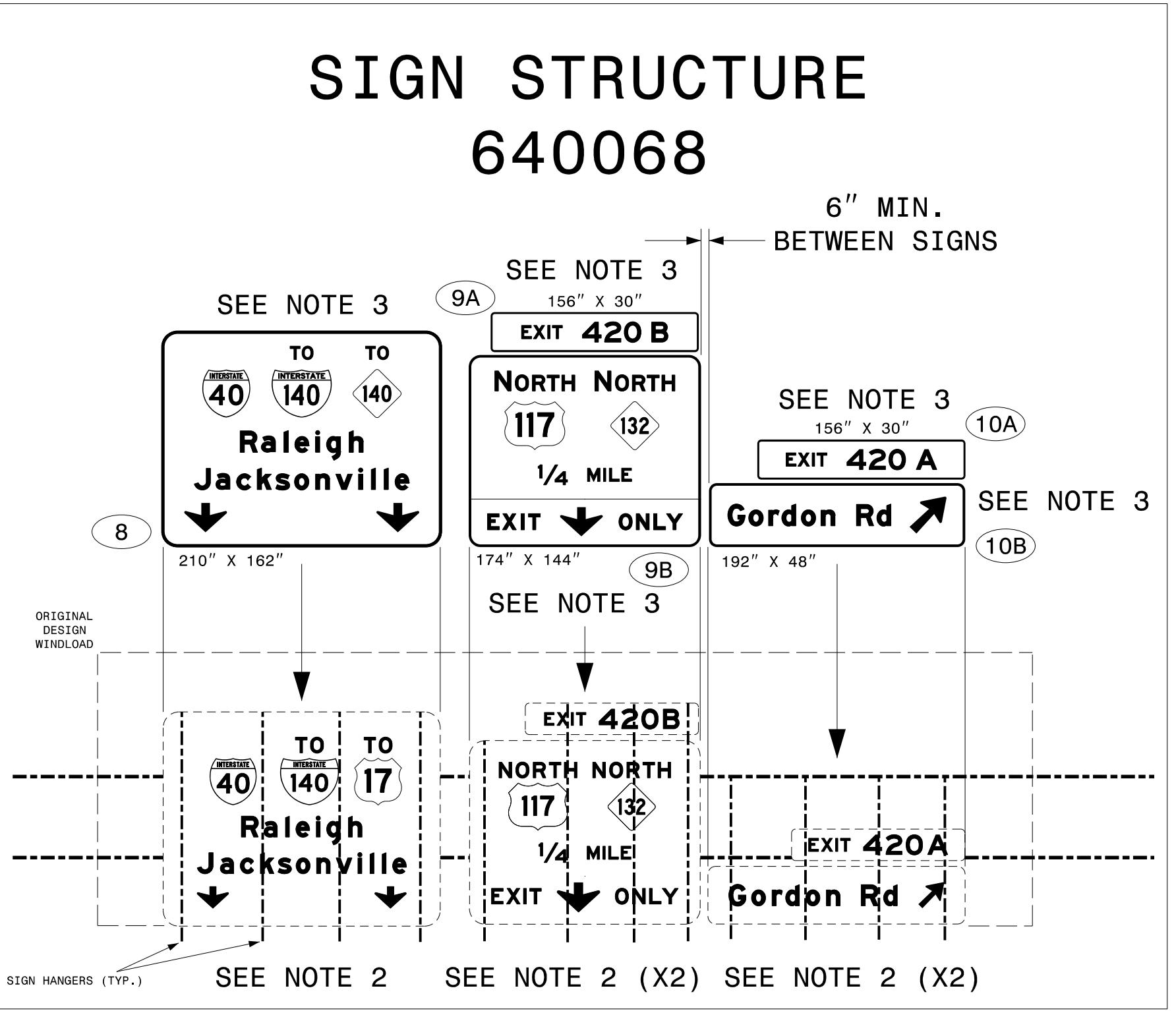
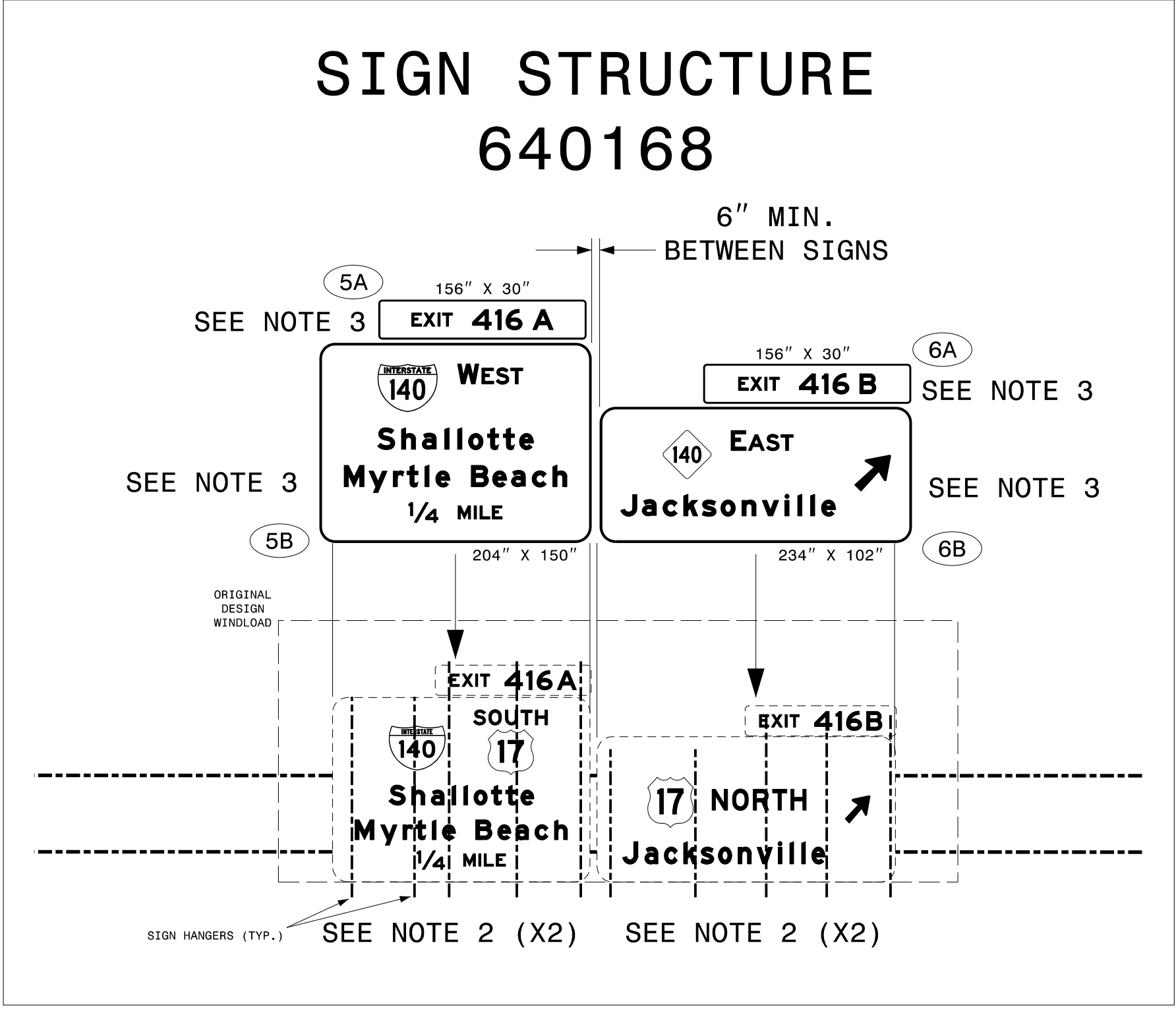
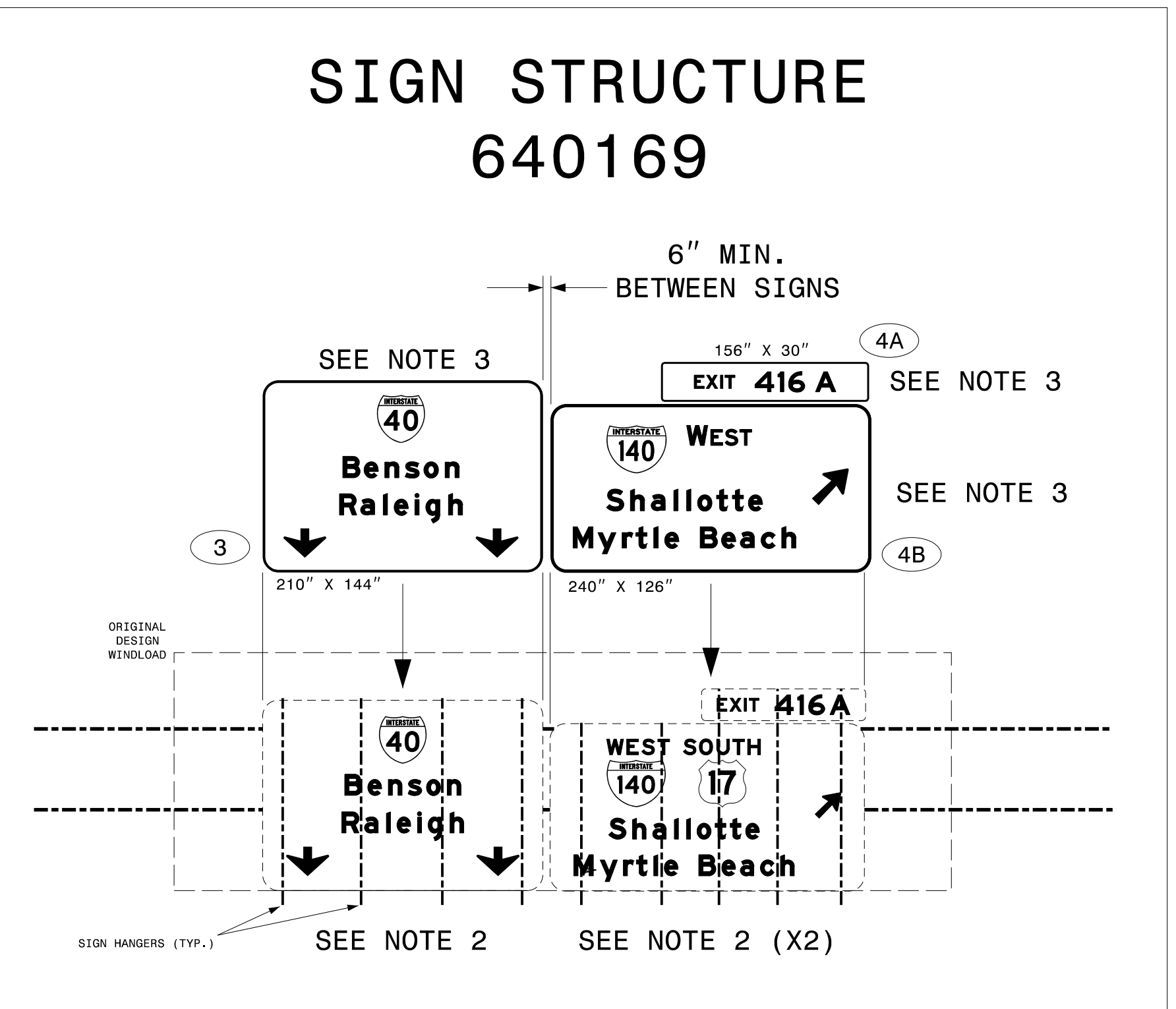
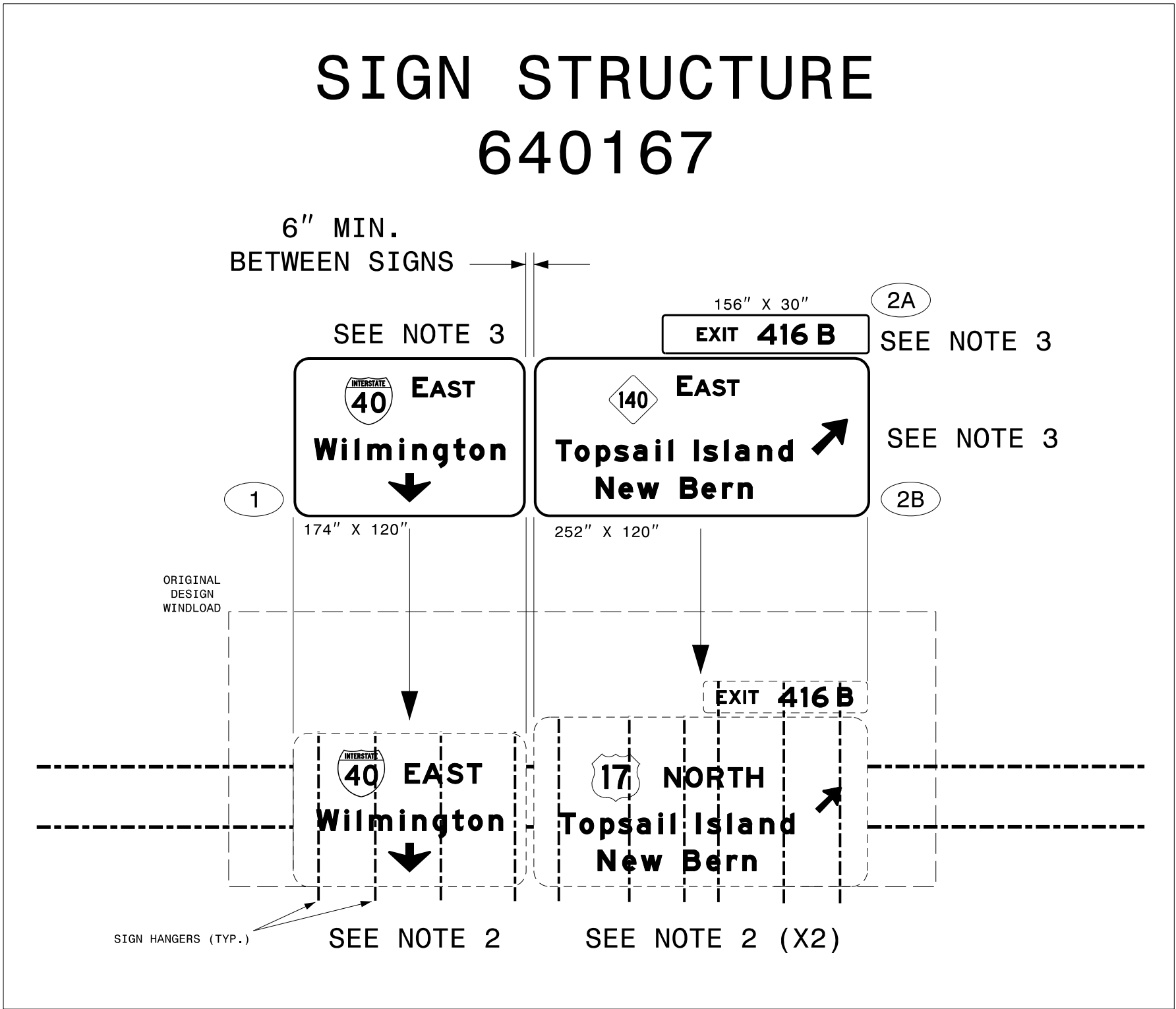
Version: 3.1 Posted: 6/2/2017

NUMBER	SIGN TYPE	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)
		w	x	h										SNS HT "H"	MTG HT "C"	EMBED-MENT	S	L	LENGTH	S	L	LENGTH	S	L	LENGTH	B/A (lbs.)	SIMPLE (lbs.)	DIAMETER (ft.)	DEPTH (ft.)	REINFORCED (c.y.)	PLAIN (c.y.)	
101	A	132	x	90	SEE PLANS	2	W6x9	BA	N/A	N/A	N/A	30.00	6.45	7.50	7.00	3.5	2.08	16.58	20.08	0.00	0.00	0.00	1.50	16.00	19.50	420.22	0	1.5	4	0.52	0.00	_____
102	A	132	x	114	SEE PLANS	2	W6x12	BA	N/A	N/A	N/A	30.00	6.45	9.50	7.00	4.0	1.83	18.33	22.33	0.00	0.00	0.00	2.43	18.93	22.93	621.12	0	1.5	4.5	0.59	0.00	_____
103	A	132	x	114	SEE PLANS	2	W6x12	BA	N/A	N/A	N/A	30.00	6.45	9.50	7.00	3.5	1.08	17.58	21.08	0.00	0.00	0.00	1.33	17.83	21.33	586.92	0	1.5	4	0.52	0.00	_____
104	A	96	x	72	SEE PLANS	2	S4x7.7	S	N/A	N/A	N/A	18.00	4.69	6.00	7.00	3.0	2.17	15.17	18.17	0.00	0.00	0.00	3.75	16.75	19.75	0.00	291.984	1.0	3.5	0.00	0.20	_____
105	A	96	x	72	SEE PLANS	2	W6x9	S	N/A	N/A	N/A	20.00	4.69	6.00	7.00	3.0	2.17	15.17	18.17	0.00	0.00	0.00	4.75	17.75	20.75	0.00	350.28	1.5	3.5	0.46	0.00	_____
106A	B	132	x	30	SEE PLANS	2	W6x16	S	N/A	1-R N/A	N/A N/A	20.00	10.26	5.50	7.00	4.0	2.25	14.75	18.75	0.00	0.00	0.00	3.50	16.00	20.00	0.00	620	1.5	4.5	0.59	0.00	_____
106B	A	210	x	66																												
107	A	162	x	120	SEE PLANS	2	W8x18	BA	N/A	N/A	N/A	30.00	7.91	10.00	7.00	4.0	4.25	21.25	25.25	0.00	0.00	0.00	5.33	22.33	26.33	1068.44	0	2.0	4.5	1.05	0.00	_____
108	A	252	x	114	SEE PLANS	3	W8x18	BA	N/A	N/A	N/A	30.00	7.46	9.50	7.00	4.0	4.83	21.33	25.33	5.33	21.83	25.83	6.08	22.58	26.58	1609.32	0	2.0	4.5	1.57	0.00	_____
109A	B	132	x	30	SEE PLANS	2	W8x21	BA	N/A	1-R N/A	N/A N/A	30.00	8.50	10.00	7.00	4.5	2.83	19.83	24.33	0.00	0.00	0.00	4.50	21.50	26.00	1202.93	0	2.0	5	1.16	0.00	_____
109B	A	174	x	120																												
201	A	96	x	60	SEE PLANS	2	S3x5.7	BA	N/A	N/A	N/A	Δ	4.69	5.00	7.00	2.5	0.50	12.50	15.00	0.00	0.00	0.00	0.50	12.50	15.00	207.00	0	1.0	3	0.00	0.17	_____
202	A	126	x	60	SEE PLANS	2	S4x7.7	BA	N/A	N/A	N/A	Δ	6.15	5.00	7.00	3.0	0.50	12.50	15.50	0.00	0.00	0.00	0.50	12.50	15.50	278.70	0	1.0	3.5	0.00	0.20	_____
203	A	126	x	60	SEE PLANS	2	S4x7.7	BA	N/A	N/A	N/A	Δ	6.15	5.00	7.00	3.0	0.50	12.50	15.50	0.00	0.00	0.00	0.50	12.50	15.50	278.70	0	1.0	3.5	0.00	0.20	_____
204	A	126	x	60	SEE PLANS	2	S4x7.7	BA	N/A	N/A	N/A	Δ	6.15	5.00	7.00	3.0	0.50	12.50	15.50	0.00	0.00	0.00	0.50	12.50	15.50	278.70	0	1.0	3.5	0.00	0.20	_____
205	A	126	x	60	SEE PLANS	2	S4x7.7	BA	N/A	N/A	N/A	Δ	6.15	5.00	7.00	3.0	0.50	12.50	15.50	0.00	0.00	0.00	0.50	12.50	15.50	278.70	0	1.0	3.5	0.00	0.20	_____
														TOTAL			TOTAL			TOTAL				TOTAL								
														6830.75			1262.26			6.47				1.19								
USE:														6831.00			1263.00			7.00				2.00								

- 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.



I:\08\22 C:\Data\stuf\6039_16036\40 Maintenance\6039_titlesheet.dgn User:meaton



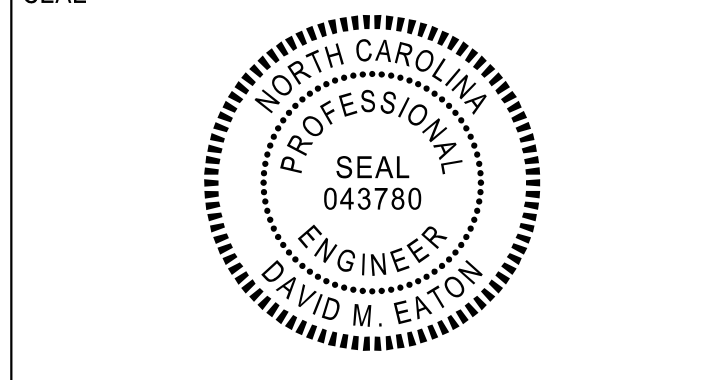
NOTE: MINIMUM ROADWAY VERTICAL CLEARANCE IS 17 FEET TO BOTTOM OF OVERHEAD SIGN ASSEMBLIES

**OVERHEAD SIGN
STRUCTURE DETAILS**

03/17/23 C:\Data\stuf\16039_16036\140 Maintenance\16039_Guidesign-sign_designs.dgn

APPROVED: *David M. Eaton*
DocuSigned by: David M. Eaton
 DDA1C6F247484F7

DATE: 11/09/2022



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

SIGN NUMR: 1
 TYPE: A Overhead
 QUANTITY: 1

BACKG. COLOR: Green
 COPY COLOR: White

DESIGN BY: DME
 PROJECT ID: I-6039

CHECKED BY: AIA
 LOCATION: I-40

DATE: Oct 20, 2022
 DIV: 03

N. C. DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 TRANSPORTATION MOBILITY AND SAFETY
 SIGNING AND DELINEATION

SIGN WIDTH: 174"
 HEIGHT: 120"
 TOTAL AREA: 145.0 Sq.Ft.

SYMBOL	X	Y	WID	HT
M1_1	38.31	69	36	36
ARDOWN	70.97	11	32.05	22

MAT'L: 0.125" ALUMINUM

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

NO. Z BARS: 3
 LENGTH: 166.0"

USE NOTES: 1,3,5

- Legend and border shall be direct applied Grade A reflective sheeting.
- Legend and border shall be direct applied Grade C reflective sheeting.
- Shields shall be Grade A reflective sheeting on 0.032" aluminum and demountable.
- Background shall be Grade B reflective sheeting.
- Background shall be Grade C reflective sheeting.
- Center arrow(s) vertically on sign.

Letter spacings are to start of next letter										Series/Size		
										Text Length		
E	A	S	T							E 2000		
89.31	11.25	1.53	13.56	11.04	9	38.31				46.38		
W	i	l	m	i	n	g	t	o	n	EM 2000		
15.56	20.8	9.6	9.6	24	9.6	15.52	15.36	12	15.84	10.56	15.56	142.88

Spacing Factor is 1 unless specified otherwise
 FILENAME: GSENG

SIGN NUMR: 2A, 6A
 TYPE: A Overhead
 QUANTITY: 2

BACKG. COLOR: Green
 COPY COLOR: White

DESIGN BY: DME
 PROJECT ID: I-6039

CHECKED BY: AIA
 LOCATION: I-40

DATE: Oct 20, 2022
 DIV: 03

N. C. DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 TRANSPORTATION MOBILITY AND SAFETY
 SIGNING AND DELINEATION

SIGN WIDTH: 156"
 HEIGHT: 30"
 TOTAL AREA: 32.5 Sq.Ft.

SYMBOL	X	Y	WID	HT

MAT'L: 0.125" ALUMINUM

BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 1.5"
 RADII: 3"

NO. Z BARS: 2
 LENGTH: 148.0"

USE NOTES: 1,5

- Legend and border shall be direct applied Grade A reflective sheeting.
- Legend and border shall be direct applied Grade C reflective sheeting.
- Shields shall be Grade A reflective sheeting on 0.032" aluminum and demountable.
- Background shall be Grade B reflective sheeting.
- Background shall be Grade C reflective sheeting.
- Center arrow(s) vertically on sign.

Letter spacings are to start of next letter										Series/Size		
										Text Length		
E	X	I	T	4	1	6	B			E 2000		
26.53	8.9	10.7	3.5	7.5	15	17.1	7.95	12.15	8	12.15	26.53	102.95

Spacing Factor is 1 unless specified otherwise
 FILENAME: GSENG

SIGN NUMR: 2B
 TYPE: A Overhead
 QUANTITY: 1

BACKG. COLOR: Green
 COPY COLOR: White

DESIGN BY: DME
 PROJECT ID: I-6039

CHECKED BY: AIA
 LOCATION: I-40

DATE: Oct 20, 2022
 DIV: 03

N. C. DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 TRANSPORTATION MOBILITY AND SAFETY
 SIGNING AND DELINEATION

SIGN WIDTH: 252"
 HEIGHT: 120"
 TOTAL AREA: 210.0 Sq.Ft.

SYMBOL	X	Y	WID	HT
NC363A	56.51	70	36	36
AR_Type A	207.85	46.21	22.25	35.04

MAT'L: 0.125" ALUMINUM

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

NO. Z BARS: 3
 LENGTH: 244.0"

USE NOTES: 1,3,5,6

- Legend and border shall be direct applied Grade A reflective sheeting.
- Legend and border shall be direct applied Grade C reflective sheeting.
- Shields shall be Grade A reflective sheeting on 0.032" aluminum and demountable.
- Background shall be Grade B reflective sheeting.
- Background shall be Grade C reflective sheeting.
- Center arrow(s) vertically on sign.

Letter spacings are to start of next letter										Series/Size						
										Text Length						
E	A	S	T							E 2000						
107.52	11.25	1.53	13.56	11.04	9	98.11				46.38						
T	o	p	s	a	i	l	I	s	l	a	n	d	EM 2000			
16.57	14.24	15.84	13.76	14.08	16.96	9.6	3.2	16	6.88	15.52	8.16	16.96	15.52	10.56	58.16	177.28
N	e	w	B	e	r	n										EM 2000
46.73	16.96	13.76	16.32	16	16	15.52	11.84	10.56	88.32							116.96

Spacing Factor is 1 unless specified otherwise
 FILENAME: GSENG

SIGN NUMR: 4A, 5A
 TYPE: A Overhead
 QUANTITY: 2

BACKG. COLOR: Green
 COPY COLOR: White

DESIGN BY: DME
 PROJECT ID: I-6039

CHECKED BY: AIA
 LOCATION: I-40

DATE: Oct 20, 2022
 DIV: 03

N. C. DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 TRANSPORTATION MOBILITY AND SAFETY
 SIGNING AND DELINEATION

SIGN WIDTH: 156"
 HEIGHT: 30"
 TOTAL AREA: 32.5 Sq.Ft.

SYMBOL	X	Y	WID	HT

MAT'L: 0.125" ALUMINUM

BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 1.5"
 RADII: 3"

NO. Z BARS: 2
 LENGTH: 148.0"

USE NOTES: 1,5

- Legend and border shall be direct applied Grade A reflective sheeting.
- Legend and border shall be direct applied Grade C reflective sheeting.
- Shields shall be Grade A reflective sheeting on 0.032" aluminum and demountable.
- Background shall be Grade B reflective sheeting.
- Background shall be Grade C reflective sheeting.
- Center arrow(s) vertically on sign.

Letter spacings are to start of next letter										Series/Size		
										Text Length		
E	X	I	T	4	1	6	A			E 2000		
24.95	8.9	10.7	3.5	7.5	15	17.1	7.95	12.15	8	15.3	24.95	106.1

Spacing Factor is 1 unless specified otherwise
 FILENAME: GSENG

TYPE A & B SIGN DESIGNS

I:\07\22
 C:\Data\stuf\16039_16036\140 Maintenance\6039_Gurdsign_sign_designs.dgn
 User:meaton

APPROVED: *David M. Eaton*
DocuSigned by:
DA11C5F24T4847...

DATE: 11/09/2022

SEAL



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

SIGN NUMR: 3
TYPE: A Overhead
QUANTITY: 1
SIGN WIDTH: 210"
HEIGHT: 144"
TOTAL AREA: 210.0 Sq.Ft.

BACKG. COLOR: Green
COPY COLOR: White

DESIGN BY: DME
PROJECT ID: I-6039

CHECKED BY: AIA
LOCATION: I-40

DATE: Oct 20, 2022
DIV: 03

N. C. DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
TRANSPORTATION MOBILITY AND SAFETY
SIGNING AND DELINEATION

SYMBOL	X	Y	WID	HT
M1_1	85.63	97	36	36
ARDOWN	15.6	11	32.06	22
ARDOWN	159.6	11	32.06	22

MAT'L: 0.125" ALUMINUM
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 12"
NO. Z BARS: 3
LENGTH: 202.0 "

USE NOTES: 1,3,5
1. Legend and border shall be direct applied Grade A reflective sheeting.
2. Legend and border shall be direct applied Grade C reflective sheeting.
3. Shields shall be Grade A reflective sheeting on 0.032" aluminum and demountable.
4. Background shall be Grade B reflective sheeting.
5. Background shall be Grade C reflective sheeting.
6. Center arrow(s) vertically on sign.

Letter spacings are to start of next letter										Series/Size Text Length	
	B	e	n	s	o	n					EM 2000
60.03	16	15.52	15.2	14.08	15.84	10.56	62.77				87.2
	R	a	l	e	i	g	h				EM 2000
57.55	15.84	16.96	8.16	15.52	8.16	16.96	10.56	60.29			92.16

Spacing Factor is 1 unless specified otherwise
FILENAME: GSENG

SIGN NUMR: 5B
TYPE: A Overhead
QUANTITY: 1
SIGN WIDTH: 204"
HEIGHT: 150"
TOTAL AREA: 212.5 Sq.Ft.

BACKG. COLOR: Green
COPY COLOR: White

DESIGN BY: DME
PROJECT ID: I-6039

CHECKED BY: AIA
LOCATION: I-40

DATE: Oct 20, 2022
DIV: 03

N. C. DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
TRANSPORTATION MOBILITY AND SAFETY
SIGNING AND DELINEATION

SYMBOL	X	Y	WID	HT
M1_1	43.6	98.1	45	36

MAT'L: 0.125" ALUMINUM
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 12"
NO. Z BARS: 4
LENGTH: 196.0 "

USE NOTES: 1,3,5
1. Legend and border shall be direct applied Grade A reflective sheeting.
2. Legend and border shall be direct applied Grade C reflective sheeting.
3. Shields shall be Grade A reflective sheeting on 0.032" aluminum and demountable.
4. Background shall be Grade B reflective sheeting.
5. Background shall be Grade C reflective sheeting.
6. Center arrow(s) vertically on sign.

Letter spacings are to start of next letter										Series/Size Text Length				
	W	E	S	T							E 2000			
103.6	15.9	2.16	10.68	11.04	9	51.62					48.78			
	S	h	a	l	l	o	t	t	e		EM 2000			
43.6	17.92	15.52	16.96	9.6	8.16	14.24	11.84	12	10.56	43.6	116.8			
	M	y	r	t	l	e	B	e	a	c	h	EM 2000		
18.56	18.56	18.24	10.24	13.44	8.16	10.56	16	16	14.08	15.52	15.52	10.56	18.56	166.88
	1/4	M	I	L	E									E 2000
66.96	21.98	15	12	4.4	9.2	7.5	66.96							70.08

Spacing Factor is 1 unless specified otherwise
FILENAME: GSENG

SIGN NUMR: 4B
TYPE: A Overhead
QUANTITY: 1
SIGN WIDTH: 240"
HEIGHT: 126"
TOTAL AREA: 210.0 Sq.Ft.

BACKG. COLOR: Green
COPY COLOR: White

DESIGN BY: DME
PROJECT ID: I-6039

CHECKED BY: AIA
LOCATION: I-40

DATE: Oct 20, 2022
DIV: 03

N. C. DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
TRANSPORTATION MOBILITY AND SAFETY
SIGNING AND DELINEATION

SYMBOL	X	Y	WID	HT
M1_1	41.8	74.25	45	36
AR_Type A	195.64	50.45	22.25	35.04

MAT'L: 0.125" ALUMINUM
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 12"
NO. Z BARS: 3
LENGTH: 232.0 "

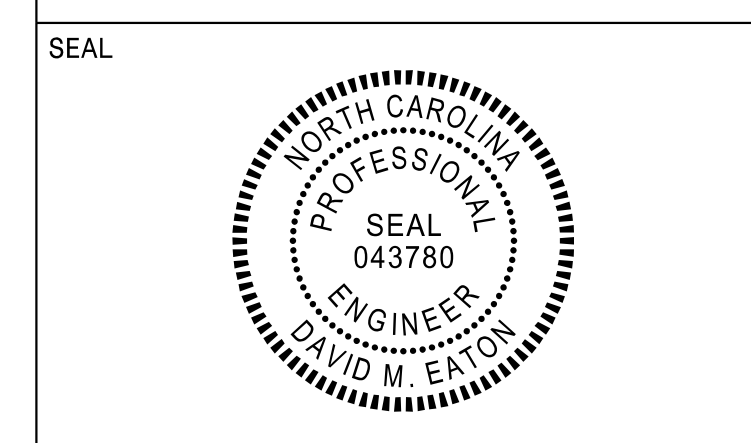
USE NOTES: 1,3,5,6
1. Legend and border shall be direct applied Grade A reflective sheeting.
2. Legend and border shall be direct applied Grade C reflective sheeting.
3. Shields shall be Grade A reflective sheeting on 0.032" aluminum and demountable.
4. Background shall be Grade B reflective sheeting.
5. Background shall be Grade C reflective sheeting.
6. Center arrow(s) vertically on sign.

Letter spacings are to start of next letter										Series/Size Text Length				
	W	E	S	T							E 2000			
101.8	15.9	2.16	10.68	11.04	9	89.42					48.78			
	S	h	a	l	l	o	t	t	e		EM 2000			
41.8	17.92	15.52	16.96	9.6	8.16	14.24	11.84	12	10.56	81.4	116.8			
	M	y	r	t	l	e	B	e	a	c	h	EM 2000		
16.76	18.56	18.24	10.24	13.44	8.16	10.56	16	16	14.08	15.52	15.52	10.56	56.36	166.88

Spacing Factor is 1 unless specified otherwise
FILENAME: GSENG

TYPE A & B SIGN DESIGNS

APPROVED: *David M. Eaton*
DDA1CSP247484F7
 DATE: 03/17/2023



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

SIGN NUMR: 9B
 TYPE: A Overhead
 QUANTITY: 1

SIGN WIDTH: 174"
 HEIGHT: 144"
 TOTAL AREA: 174.0 Sq.Ft.
 EXIT PANEL AREA: 43.5 Sq.Ft.
 MAT'L: 0.125" ALUMINUM

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	27.03	73	45	36
NC363A	106.47	73	36	36
ARDOWN	68.43	8.02	32	21.96

DESIGN BY: DME
 PROJECT ID: I-6039

CHECKED BY: AIA
 LOCATION: I-40

DATE: Oct 20, 2022
 DIV: 03

N. C. DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 TRANSPORTATION MOBILITY AND SAFETY
 SIGNING AND DELINEATION

USE NOTES: 1,3,5,7

- Legend and border shall be direct applied Grade A reflective sheeting.
- Legend and border shall be direct applied Grade C reflective sheeting.
- Shields shall be Grade A reflective sheeting on 0.032" aluminum and demountable.
- Background shall be Grade B reflective sheeting.
- Background shall be Grade C reflective sheeting.
- Center arrow(s) vertically on sign.
- Bottom panel shall be Yellow Grade C sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is: 174" X 36".

Letter spacings are to start of next letter

													Series/Size
													Text Length
	N		O	R	T	H							E 2000
	19.56	12.15	3.15	12.84	11.04	11.04	9.72	94.5					59.94
	N		O	R	T	H							E 2000
	94.5	12.15	3.15	12.84	11.04	11.04	9.72	19.56					59.94
	1/4		M	I	L	E							E 2000
	51.96	21.98	15	12	4.4	9.2	7.5	51.96					70.08
	E	X	I	T									EM 2000
	14.05	11.24	13.98	5.43	8.88	120.43							39.52
	O	N	L	Y									EM 2000
	112.52	12.96	13.08	9.6	12.12	13.72							47.76

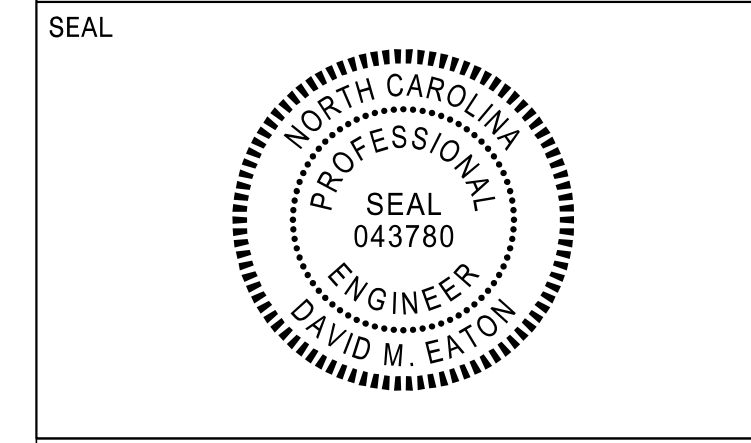
Spacing Factor is 1 unless specified otherwise
 FILENAME: GSENG

03/17/23
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 User:meaton

TYPE A & B SIGN DESIGNS

APPROVED: *David M. Eaton*
DDA10SP247484F7

DATE: 11/09/2022



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

SIGN NUMR: 101 BACKG. COLOR: Green DESIGN BY: DME CHECKED BY: AIA DATE: Oct 20, 2022 N. C. DEPARTMENT OF TRANSPORTATION
TYPE: A Ground COPY COLOR: White PROJECT ID: I-6039 LOCATION: I-40 DIV: 03 DIVISION OF HIGHWAYS
QUANTITY: 1 TRANSPORTATION MOBILITY AND SAFETY
SIGNING AND DELINEATION

SIGN WIDTH: 132"
HEIGHT: 90"
TOTAL AREA: 82.5 Sq. Ft.

SYMBOL	X	Y	WID	HT
AR_Type A	79.84	18.36	22	34.65
NC363A	27.84	14	36	36

MAT'L: 0.125" ALUMINUM
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 12"
NO. Z BARS: 3
LENGTH: 124.0"

USE NOTES: 2,3,5
1. Legend and border shall be direct applied Grade A reflective sheeting.
2. Legend and border shall be direct applied Grade C reflective sheeting.
3. Shields shall be Grade A reflective sheeting on 0.032" aluminum and demountable.
4. Background shall be Grade B reflective sheeting.
5. Background shall be Grade C reflective sheeting.
6. Center arrow(s) vertically on sign.

Letter spacings are to start of next letter											Series/Size
	E	X	I	T	4	0	8				Text Length
	22.48	8.9	10.7	3.5	7.5	15	17.1	15.15	12.15	19.52	E 2000
											90

Spacing Factor is 1 unless specified otherwise
FILENAME: GSENG

SIGN NUMR: 104,105 BACKG. COLOR: Green DESIGN BY: DME CHECKED BY: AIA DATE: Nov 07, 2022 N. C. DEPARTMENT OF TRANSPORTATION
TYPE: A Ground COPY COLOR: White PROJECT ID: I-6039 LOCATION: I-40 DIV: 03 DIVISION OF HIGHWAYS
QUANTITY: 2 TRANSPORTATION MOBILITY AND SAFETY
SIGNING AND DELINEATION

SIGN WIDTH: 96"
HEIGHT: 72"
TOTAL AREA: 48.0 Sq.Ft.

SYMBOL	X	Y	WID	HT

MAT'L: 0.125" ALUMINUM
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 1"
RADII: 9"
NO. Z BARS: 2
LENGTH: 88.0"

USE NOTES: 2,5
1. Legend and border shall be direct applied Grade A reflective sheeting.
2. Legend and border shall be direct applied Grade C reflective sheeting.
3. Shields shall be Grade A reflective sheeting on 0.032" aluminum and demountable.
4. Background shall be Grade B reflective sheeting.
5. Background shall be Grade C reflective sheeting.
6. Center arrow(s) vertically on sign.

Letter spacings are to start of next letter											Series/Size										
	N	e	a	s	t		R	i	v	e	r	Text Length									
	24.97	7.17	6.42	3.33	4.26	6.16	5.58	5.81	4.14	3.2	24.97	D 2000									
												46.06									
	8.18	6.88	6.38	5.95	4.72	5	5.82	5.58	6.38	3.04	5	6.88	2.43	6.45	6.06	3.04	8.18	D 2000			
																			79.63		
	6.88	6.21	3.71	6.38	6.54	5.12	8	6.98	1.44	8	6.66	6.06	6.06	6.38	4.72	6.66			D 2000		
																				82.27	
	32.36	6.88	4.19	2.82	6.34	6.34	4.72	32.36												D 2000	
																					31.28

Spacing Factor is 1 unless specified otherwise
FILENAME: GSENG

SIGN NUMR: 102 BACKG. COLOR: Green DESIGN BY: DME CHECKED BY: AIA DATE: Oct 20, 2022 N. C. DEPARTMENT OF TRANSPORTATION
TYPE: A Ground COPY COLOR: White PROJECT ID: I-6039 LOCATION: I-40 DIV: 03 DIVISION OF HIGHWAYS
QUANTITY: 1 TRANSPORTATION MOBILITY AND SAFETY
SIGNING AND DELINEATION

SIGN WIDTH: 132"
HEIGHT: 114"
TOTAL AREA: 104.5 Sq.Ft.

SYMBOL	X	Y	WID	HT
NC363A	48	38	36	36

MAT'L: 0.125" ALUMINUM
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 12"
NO. Z BARS: 3
LENGTH: 124.0"

USE NOTES: 2,3,5
1. Legend and border shall be direct applied Grade A reflective sheeting.
2. Legend and border shall be direct applied Grade C reflective sheeting.
3. Shields shall be Grade A reflective sheeting on 0.032" aluminum and demountable.
4. Background shall be Grade B reflective sheeting.
5. Background shall be Grade C reflective sheeting.
6. Center arrow(s) vertically on sign.

Letter spacings are to start of next letter											Series/Size
	E	X	I	T	4	0	8				Text Length
	22.48	8.9	10.7	3.5	7.5	15	17.1	15.15	12.15	19.52	E 2000
											90
		1									E 2000
	39.7	4.5	15	12	4.4	9.2	7.5	39.7			52.6

Spacing Factor is 1 unless specified otherwise
FILENAME: GSENG

SIGN NUMR: 103 BACKG. COLOR: Green DESIGN BY: DME CHECKED BY: AIA DATE: Oct 20, 2022 N. C. DEPARTMENT OF TRANSPORTATION
TYPE: A Ground COPY COLOR: White PROJECT ID: I-6039 LOCATION: I-40 DIV: 03 DIVISION OF HIGHWAYS
QUANTITY: 1 TRANSPORTATION MOBILITY AND SAFETY
SIGNING AND DELINEATION

SIGN WIDTH: 132"
HEIGHT: 114"
TOTAL AREA: 104.5 Sq.Ft.

SYMBOL	X	Y	WID	HT
NC363A	48	38	36	36

MAT'L: 0.125" ALUMINUM
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 12"
NO. Z BARS: 3
LENGTH: 124.0"

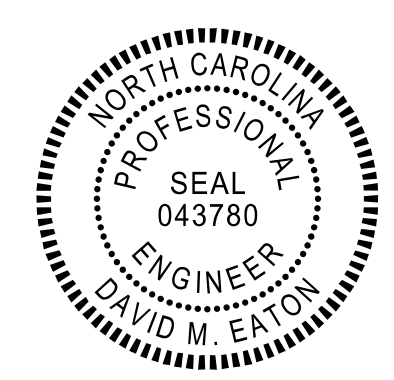
USE NOTES: 2,3,5
1. Legend and border shall be direct applied Grade A reflective sheeting.
2. Legend and border shall be direct applied Grade C reflective sheeting.
3. Shields shall be Grade A reflective sheeting on 0.032" aluminum and demountable.
4. Background shall be Grade B reflective sheeting.
5. Background shall be Grade C reflective sheeting.
6. Center arrow(s) vertically on sign.

Letter spacings are to start of next letter											Series/Size
	E	X	I	T	4	0	8				Text Length
	22.48	8.9	10.7	3.5	7.5	15	17.1	15.15	12.15	19.52	E 2000
											90
		2									E 2000
	31.13	12.15	15	12	4.4	9.2	8.9	8.1	31.13		69.75

Spacing Factor is 1 unless specified otherwise
FILENAME: GSENG

11/08/22 C:\Data\stuf\I-6039_16036\40 Maintenance\16039_Oudsign_sign_designs.dgn User:meaton

APPROVED: *David M. Eaton*
 DATE: 11/09/2022



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

SIGN NUMR: 106B TYPE: A Ground QUANTITY: 1
 BACKG. COLOR: Green COPY COLOR: White
 DESIGN BY: DME CHECKED BY: AIA DATE: Oct 20, 2022
 PROJECT ID: I-6039 LOCATION: I-40 DIV: 03

SIGN WIDTH: 210" HEIGHT: 66" TOTAL AREA: 96.3 Sq.Ft.
 MAT'L: 0.125" ALUMINUM
 BORDER TYPE: FLUSH RECESS: 0" WIDTH: 2" RADII: 9"
 NO. Z BARS: 2 LENGTH: 202.0"

SYMBOL	X	Y	WID	HT

USE NOTES: 2,5
 1. Legend and border shall be direct applied Grade A reflective sheeting.
 2. Legend and border shall be direct applied Grade C reflective sheeting.
 3. Shields shall be Grade A reflective sheeting on 0.032" aluminum and demountable.
 4. Background shall be Grade B reflective sheeting.
 5. Background shall be Grade C reflective sheeting.
 6. Center arrow(s) vertically on sign.

Letter spacings are to start of next letter

Series/Size	Text Length
EM 2000	169.76
E 2000	73.08

Spacing Factor is 1 unless specified otherwise
 FILENAME: GSENG

SIGN NUMR: 106A TYPE: B Ground QUANTITY: 1
 BACKG. COLOR: Green COPY COLOR: White
 DESIGN BY: DME CHECKED BY: AIA DATE: Oct 20, 2022
 PROJECT ID: I-6039 LOCATION: I-40 DIV: 03

SIGN WIDTH: 132" HEIGHT: 30" TOTAL AREA: 27.5 Sq.Ft.
 MAT'L: 0.125" ALUMINUM
 BORDER TYPE: FLUSH RECESS: 0" WIDTH: 1.5" RADII: 3"
 NO. Z BARS: 2 LENGTH: 124.0"

SYMBOL	X	Y	WID	HT

USE NOTES: 2,5
 1. Legend and border shall be direct applied Grade A reflective sheeting.
 2. Legend and border shall be direct applied Grade C reflective sheeting.
 3. Shields shall be Grade A reflective sheeting on 0.032" aluminum and demountable.
 4. Background shall be Grade B reflective sheeting.
 5. Background shall be Grade C reflective sheeting.
 6. Center arrow(s) vertically on sign.

Letter spacings are to start of next letter

Series/Size	Text Length
E 2000	83.85

Spacing Factor is 1 unless specified otherwise
 FILENAME: GSENG

SIGN NUMR: 108 TYPE: A Ground QUANTITY: 1
 BACKG. COLOR: Brown/Green COPY COLOR: White
 DESIGN BY: DME CHECKED BY: AIA DATE: Oct 20, 2022
 PROJECT ID: I-6039 LOCATION: I-40 DIV: 03

SIGN WIDTH: 252" HEIGHT: 114" TOTAL AREA: 199.5 Sq.Ft.
 MAT'L: 0.125" ALUMINUM
 BORDER TYPE: FLUSH RECESS: 0" WIDTH: 2" RADII: 12"
 NO. Z BARS: 3 LENGTH: 244.0"

SYMBOL	X	Y	WID	HT

USE NOTES: 2,5
 1. Legend and border shall be direct applied Grade A reflective sheeting.
 2. Legend and border shall be direct applied Grade C reflective sheeting.
 3. Shields shall be Grade A reflective sheeting on 0.032" aluminum and demountable.
 4. Background shall be Grade B reflective sheeting.
 5. Background shall be Grade C reflective sheeting.
 6. Center arrow(s) vertically on sign.

Letter spacings are to start of next letter

Series/Size	Text Length
EM 2000	208.21
EM 2000	216.75
EM 2000	228
EM 2000	106.05

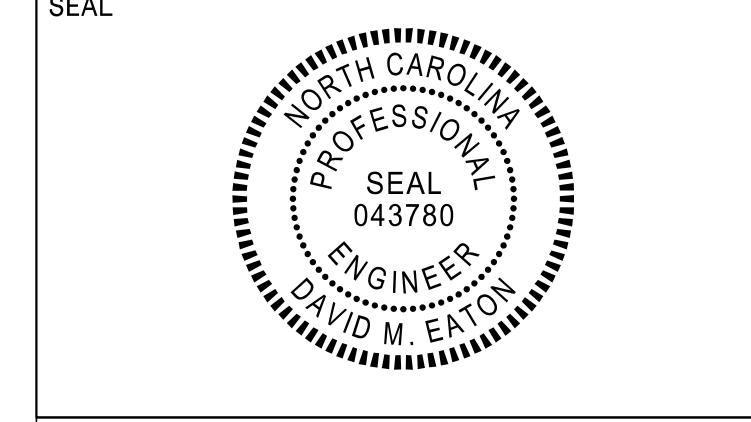
Spacing Factor is 1 unless specified otherwise
 FILENAME: GSENG

TYPE A & B SIGN DESIGNS

I:\07\22 C:\Data\stuf\I-6039_16036\40 Maintenance\16039_Ouidsign_sign_designs.dgn User:meaton

APPROVED: *David M. Eaton*
DAI105F247484F7

DATE: 11/09/2022



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

SIGN NUMR: 107 BACKG. COLOR: Green DESIGN BY: DME CHECKED BY: AIA DATE: Oct 20, 2022 N. C. DEPARTMENT OF TRANSPORTATION
TYPE: A Ground COPY COLOR: White PROJECT ID: I-6039 LOCATION: I-40 DIV: 03 DIVISION OF HIGHWAYS
QUANTITY: 1 TRANSPORTATION MOBILITY AND SAFETY
SIGNING AND DELINEATION

SIGN WIDTH: 162"
HEIGHT: 120"
TOTAL AREA: 135.0 Sq.Ft.

SYMBOL	X	Y	WID	HT

MAT'L: 0.125" ALUMINUM
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 12"
NO. Z BARS: 3
LENGTH: 154.0"

USE NOTES: 2,5
1. Legend and border shall be direct applied Grade A reflective sheeting.
2. Legend and border shall be direct applied Grade C reflective sheeting.
3. Shields shall be Grade A reflective sheeting on 0.032" aluminum and demountable.
4. Background shall be Grade B reflective sheeting.
5. Background shall be Grade C reflective sheeting.
6. Center arrow(s) vertically on sign.

Letter spacings are to start of next letter

Series/Size	Text Length
EM 2000	97.31
EM 2000	106.05
EM 2000	134.1
EM 2000	103.05

Spacing Factor is 1 unless specified otherwise
FILENAME: GSENG

SIGN NUMR: 109A BACKG. COLOR: Green DESIGN BY: DME CHECKED BY: AIA DATE: Oct 20, 2022 N. C. DEPARTMENT OF TRANSPORTATION
TYPE: B Ground COPY COLOR: White PROJECT ID: I-6039 LOCATION: I-40 DIV: 03 DIVISION OF HIGHWAYS
QUANTITY: 1 TRANSPORTATION MOBILITY AND SAFETY
SIGNING AND DELINEATION

SIGN WIDTH: 132"
HEIGHT: 30"
TOTAL AREA: 27.5 Sq.Ft.

SYMBOL	X	Y	WID	HT

MAT'L: 0.125" ALUMINUM
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 1.5"
RADII: 3"
NO. Z BARS: 2
LENGTH: 124.0"

USE NOTES: 2,3,5
1. Legend and border shall be direct applied Grade A reflective sheeting.
2. Legend and border shall be direct applied Grade C reflective sheeting.
3. Shields shall be Grade A reflective sheeting on 0.032" aluminum and demountable.
4. Background shall be Grade B reflective sheeting.
5. Background shall be Grade C reflective sheeting.
6. Center arrow(s) vertically on sign.

Letter spacings are to start of next letter

Series/Size	Text Length
E 2000	89.55

Spacing Factor is 1 unless specified otherwise
FILENAME: GSENG

SIGN NUMR: 109B BACKG. COLOR: Green DESIGN BY: DME CHECKED BY: AIA DATE: Oct 20, 2022 N. C. DEPARTMENT OF TRANSPORTATION
TYPE: A Ground COPY COLOR: White PROJECT ID: I-6039 LOCATION: I-40 DIV: 03 DIVISION OF HIGHWAYS
QUANTITY: 1 TRANSPORTATION MOBILITY AND SAFETY
SIGNING AND DELINEATION

SIGN WIDTH: 174"
HEIGHT: 120"
TOTAL AREA: 145.0 Sq.Ft.

SYMBOL	X	Y	WID	HT
M1_4	27.03	41.5	45	36
NC363A	106.47	41.5	36	36

MAT'L: 0.125" ALUMINUM
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 12"
NO. Z BARS: 3
LENGTH: 166.0"

USE NOTES: 2,3,5
1. Legend and border shall be direct applied Grade A reflective sheeting.
2. Legend and border shall be direct applied Grade C reflective sheeting.
3. Shields shall be Grade A reflective sheeting on 0.032" aluminum and demountable.
4. Background shall be Grade B reflective sheeting.
5. Background shall be Grade C reflective sheeting.
6. Center arrow(s) vertically on sign.

Letter spacings are to start of next letter

Series/Size	Text Length
E 2000	59.94
E 2000	59.94
E 2000	69.75

Spacing Factor is 1 unless specified otherwise
FILENAME: GSENG

SIGN NUMR: 201 BACKG. COLOR: Green DESIGN BY: DME CHECKED BY: AIA DATE: Oct 20, 2022 N. C. DEPARTMENT OF TRANSPORTATION
TYPE: A Ground COPY COLOR: White PROJECT ID: I-6039 LOCATION: I-40 DIV: 03 DIVISION OF HIGHWAYS
QUANTITY: 1 TRANSPORTATION MOBILITY AND SAFETY
SIGNING AND DELINEATION

SIGN WIDTH: 96"
HEIGHT: 60"
TOTAL AREA: 40.0 Sq.Ft.

SYMBOL	X	Y	WID	HT
AR_Type A	67.02	6	18.25	29.25

MAT'L: 0.125" ALUMINUM
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 1.5"
RADII: 6"
NO. Z BARS: 2
LENGTH: 88.0"

USE NOTES: 2,5
1. Legend and border shall be direct applied Grade A reflective sheeting.
2. Legend and border shall be direct applied Grade C reflective sheeting.
3. Shields shall be Grade A reflective sheeting on 0.032" aluminum and demountable.
4. Background shall be Grade B reflective sheeting.
5. Background shall be Grade C reflective sheeting.
6. Center arrow(s) vertically on sign.

Letter spacings are to start of next letter

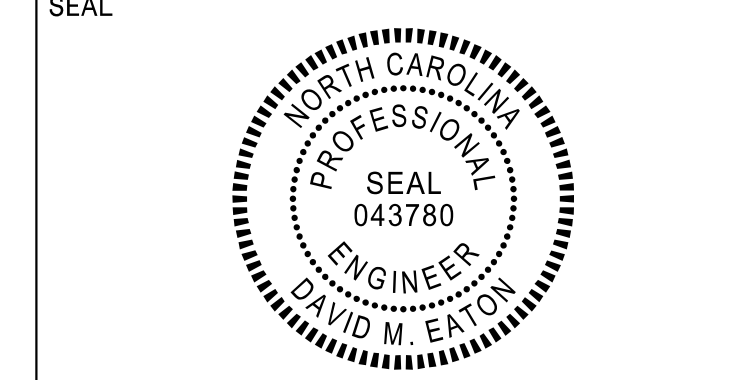
Series/Size	Text Length
E 2000	44.38
E 2000	53.28

Spacing Factor is 1 unless specified otherwise
FILENAME: GSENG

TYPE A & B SIGN DESIGNS

APPROVED: *David M. Eaton*
DDA1CSF247484F7

DATE: 11/09/2022



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

SIGN NUMR: 202 TYPE: A Ground QUANTITY: 1
 BACKG. COLOR: Green COPY COLOR: White
 DESIGN BY: DME PROJECT ID: I-6039 CHECKED BY: AIA LOCATION: I-40 DATE: Oct 20, 2022 DIV: 03

SIGN WIDTH: 126" HEIGHT: 60" TOTAL AREA: 52.5 Sq.Ft.
 MAT'L: 0.125" ALUMINUM
 BORDER TYPE: FLUSH RECESS: 0" WIDTH: 1.5" RADII: 6" NO. Z BARS: 2 LENGTH: 118.0"

SYMBOL	X	Y	WID	HT
AR_Type A	97.02	6	18.25	29.25

USE NOTES: 2,5
 1. Legend and border shall be direct applied Grade A reflective sheeting.
 2. Legend and border shall be direct applied Grade C reflective sheeting.
 3. Shields shall be Grade A reflective sheeting on 0.032" aluminum and demountable.
 4. Background shall be Grade B reflective sheeting.
 5. Background shall be Grade C reflective sheeting.
 6. Center arrow(s) vertically on sign.

Letter spacings are to start of next letter										Series/Size	
										Text Length	
E	X	I	T							E	2000
40.82	12.78	15.84	6.75	9	40.8					44.38	
4	1	6	A							E	2000
11.01	20.52	9.54	14.58	12	18.36	39.99				75	

Spacing Factor is 1 unless specified otherwise
 FILENAME: GSENG

SIGN NUMR: 203 TYPE: A Ground QUANTITY: 1
 BACKG. COLOR: Green COPY COLOR: White
 DESIGN BY: DME PROJECT ID: I-6039 CHECKED BY: AIA LOCATION: I-40 DATE: Oct 20, 2022 DIV: 03

SIGN WIDTH: 126" HEIGHT: 60" TOTAL AREA: 52.5 Sq.Ft.
 MAT'L: 0.125" ALUMINUM
 BORDER TYPE: FLUSH RECESS: 0" WIDTH: 1.5" RADII: 6" NO. Z BARS: 2 LENGTH: 118.0"

SYMBOL	X	Y	WID	HT
AR_Type A	97.02	6	18.25	29.25

USE NOTES: 2,5
 1. Legend and border shall be direct applied Grade A reflective sheeting.
 2. Legend and border shall be direct applied Grade C reflective sheeting.
 3. Shields shall be Grade A reflective sheeting on 0.032" aluminum and demountable.
 4. Background shall be Grade B reflective sheeting.
 5. Background shall be Grade C reflective sheeting.
 6. Center arrow(s) vertically on sign.

Letter spacings are to start of next letter										Series/Size	
										Text Length	
E	X	I	T							E	2000
40.82	12.78	15.84	6.75	9	40.8					44.38	
4	1	6	B							E	2000
12.9	20.52	9.54	14.58	12	14.58	41.88				71.22	

Spacing Factor is 1 unless specified otherwise
 FILENAME: GSENG

SIGN NUMR: 204 TYPE: A Ground QUANTITY: 1
 BACKG. COLOR: Green COPY COLOR: White
 DESIGN BY: DME PROJECT ID: I-6039 CHECKED BY: AIA LOCATION: I-40 DATE: Oct 20, 2022 DIV: 03

SIGN WIDTH: 126" HEIGHT: 60" TOTAL AREA: 52.5 Sq.Ft.
 MAT'L: 0.125" ALUMINUM
 BORDER TYPE: FLUSH RECESS: 0" WIDTH: 1.5" RADII: 6" NO. Z BARS: 2 LENGTH: 118.0"

SYMBOL	X	Y	WID	HT
AR_Type A	97.02	6	18.25	29.25

USE NOTES: 2,5
 1. Legend and border shall be direct applied Grade A reflective sheeting.
 2. Legend and border shall be direct applied Grade C reflective sheeting.
 3. Shields shall be Grade A reflective sheeting on 0.032" aluminum and demountable.
 4. Background shall be Grade B reflective sheeting.
 5. Background shall be Grade C reflective sheeting.
 6. Center arrow(s) vertically on sign.

Letter spacings are to start of next letter										Series/Size	
										Text Length	
E	X	I	T							E	2000
40.82	12.78	15.84	6.75	9	40.8					44.38	
4	2	0	B							E	2000
8.85	19.98	17.64	15.12	12	14.58	37.83				79.32	

Spacing Factor is 1 unless specified otherwise
 FILENAME: GSENG

SIGN NUMR: 205 TYPE: A Ground QUANTITY: 1
 BACKG. COLOR: Green COPY COLOR: White
 DESIGN BY: DME PROJECT ID: I-6039 CHECKED BY: AIA LOCATION: I-40 DATE: Oct 20, 2022 DIV: 03

SIGN WIDTH: 126" HEIGHT: 60" TOTAL AREA: 52.5 Sq.Ft.
 MAT'L: 0.125" ALUMINUM
 BORDER TYPE: FLUSH RECESS: 0" WIDTH: 1.5" RADII: 6" NO. Z BARS: 2 LENGTH: 118.0"

SYMBOL	X	Y	WID	HT
AR_Type A	97.02	6	18.25	29.25

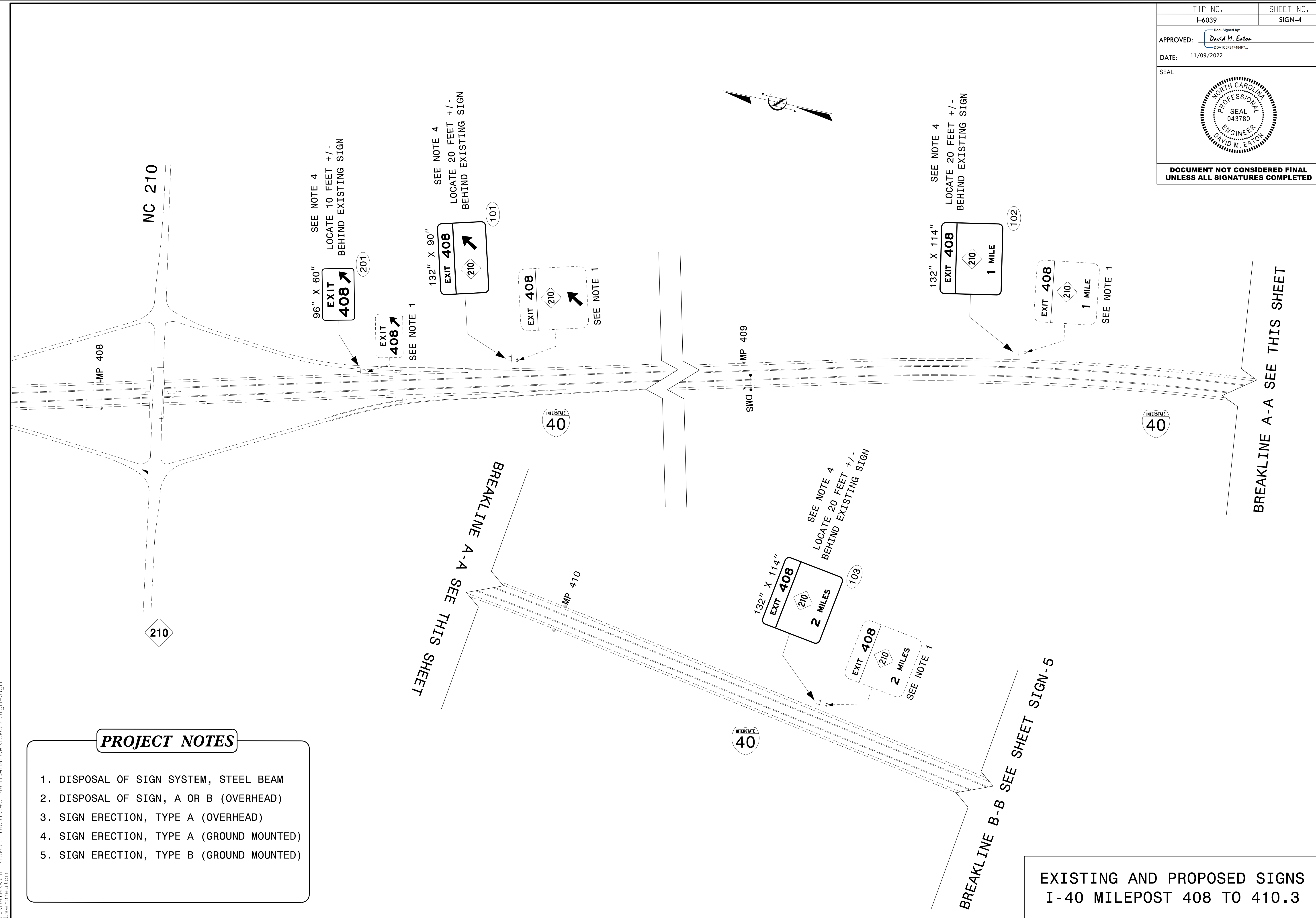
USE NOTES: 2,5
 1. Legend and border shall be direct applied Grade A reflective sheeting.
 2. Legend and border shall be direct applied Grade C reflective sheeting.
 3. Shields shall be Grade A reflective sheeting on 0.032" aluminum and demountable.
 4. Background shall be Grade B reflective sheeting.
 5. Background shall be Grade C reflective sheeting.
 6. Center arrow(s) vertically on sign.

Letter spacings are to start of next letter										Series/Size	
										Text Length	
E	X	I	T							E	2000
40.82	12.78	15.84	6.75	9	40.8					44.38	
4	2	0	A							E	2000
6.96	19.98	17.64	15.12	12	18.36	35.94				83.1	

Spacing Factor is 1 unless specified otherwise
 FILENAME: GSENG

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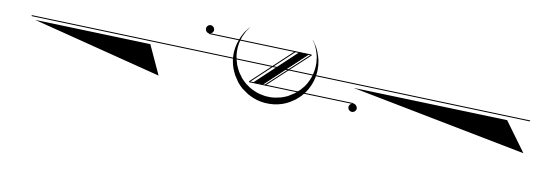
TYPE A & B SIGN DESIGNS



PROJECT NOTES

1. DISPOSAL OF SIGN SYSTEM, STEEL BEAM
2. DISPOSAL OF SIGN, A OR B (OVERHEAD)
3. SIGN ERECTION, TYPE A (OVERHEAD)
4. SIGN ERECTION, TYPE A (GROUND MOUNTED)
5. SIGN ERECTION, TYPE B (GROUND MOUNTED)

EXISTING AND PROPOSED SIGNS
I-40 MILEPOST 408 TO 410.3

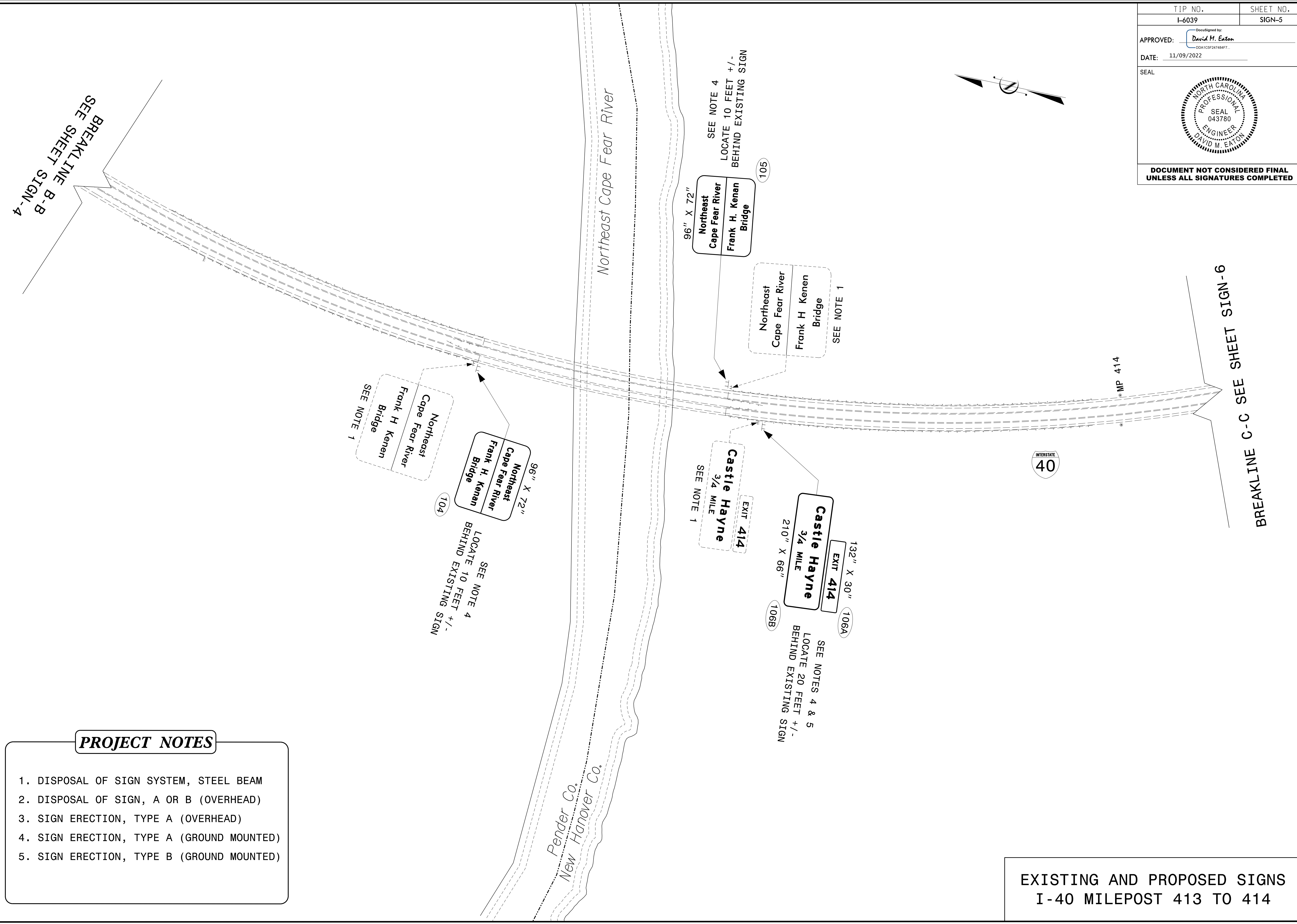


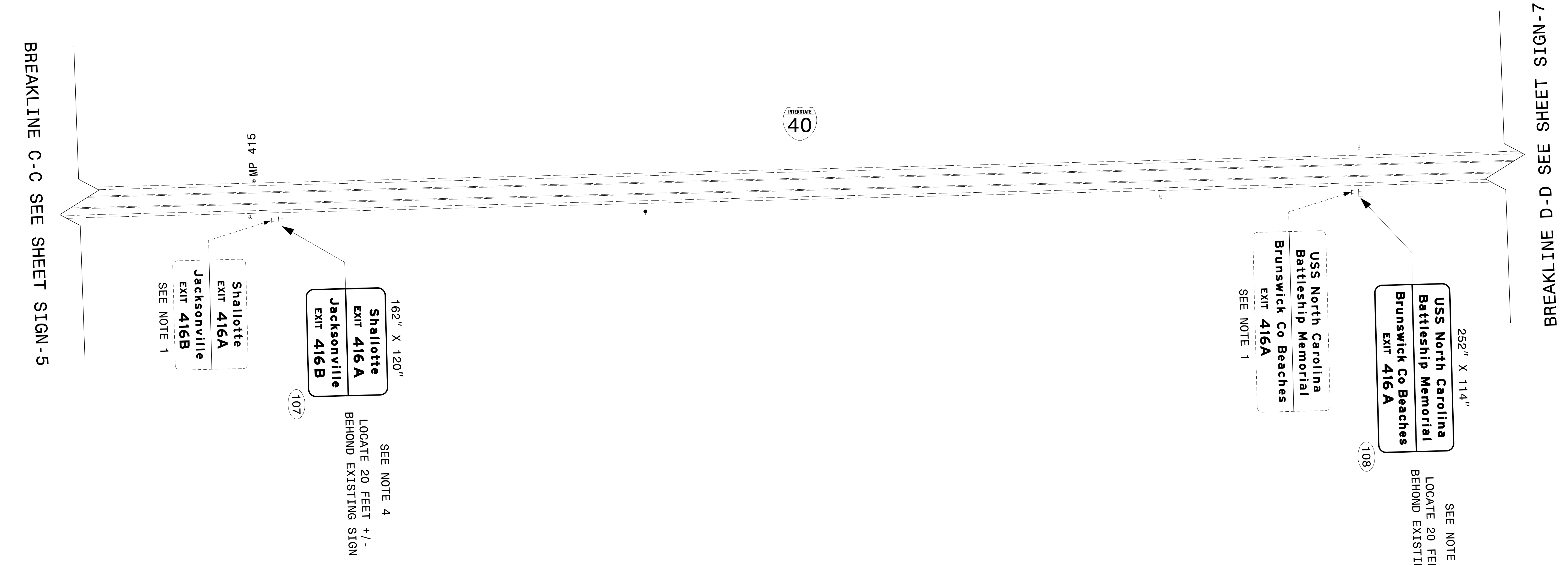
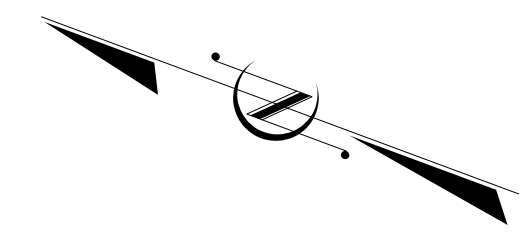
BREAKLINE B-B
SEE SHEET SIGN-4

BREAKLINE C-C
SEE SHEET SIGN-6

- PROJECT NOTES**
1. DISPOSAL OF SIGN SYSTEM, STEEL BEAM
 2. DISPOSAL OF SIGN, A OR B (OVERHEAD)
 3. SIGN ERECTION, TYPE A (OVERHEAD)
 4. SIGN ERECTION, TYPE A (GROUND MOUNTED)
 5. SIGN ERECTION, TYPE B (GROUND MOUNTED)

**EXISTING AND PROPOSED SIGNS
I-40 MILEPOST 413 TO 414**





PROJECT NOTES

1. DISPOSAL OF SIGN SYSTEM, STEEL BEAM
2. DISPOSAL OF SIGN, A OR B (OVERHEAD)
3. SIGN ERECTION, TYPE A (OVERHEAD)
4. SIGN ERECTION, TYPE A (GROUND MOUNTED)
5. SIGN ERECTION, TYPE B (GROUND MOUNTED)

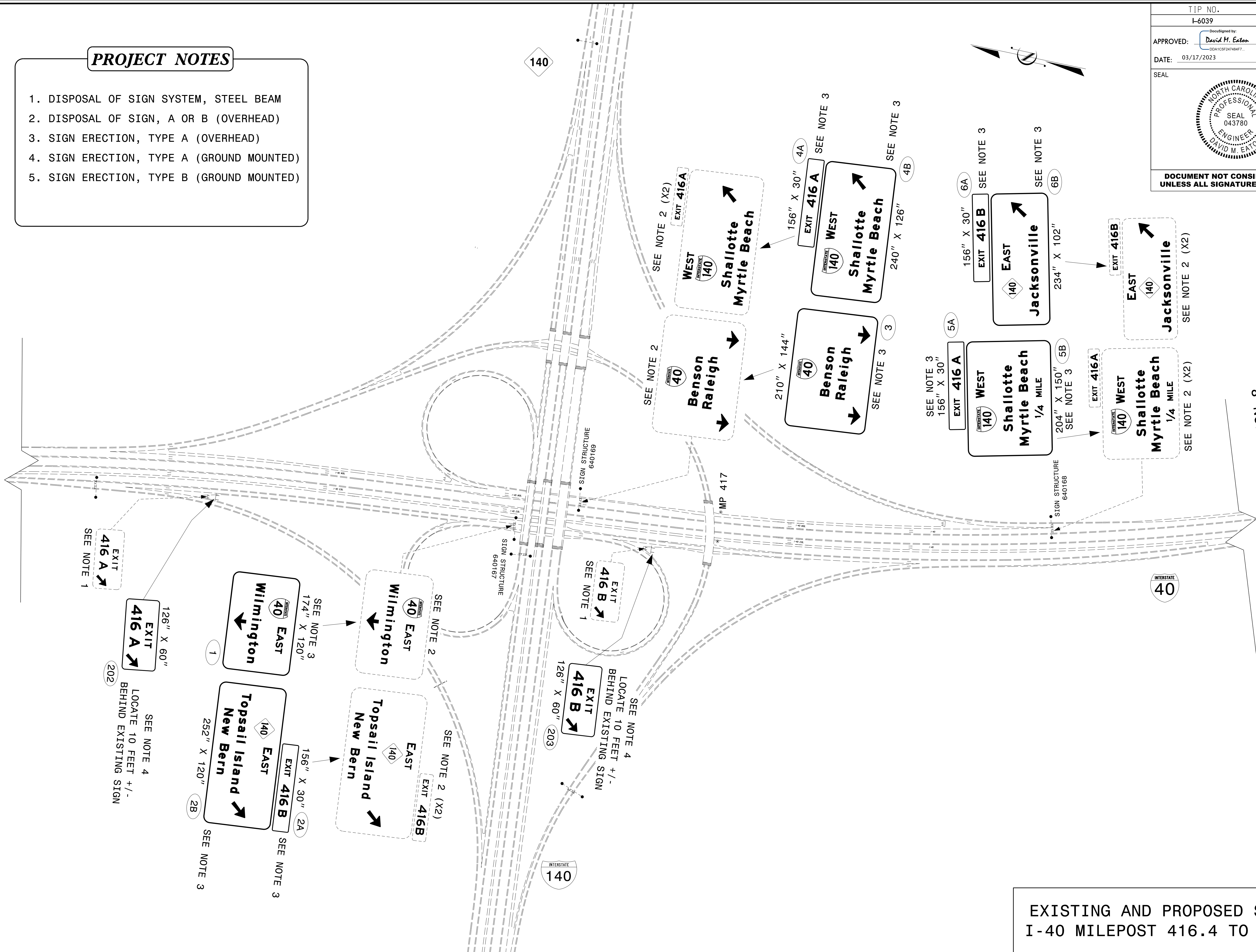
EXISTING AND PROPOSED SIGNS
I-40 MILEPOST 415 TO 416

PROJECT NOTES

1. DISPOSAL OF SIGN SYSTEM, STEEL BEAM
2. DISPOSAL OF SIGN, A OR B (OVERHEAD)
3. SIGN ERECTION, TYPE A (OVERHEAD)
4. SIGN ERECTION, TYPE A (GROUND MOUNTED)
5. SIGN ERECTION, TYPE B (GROUND MOUNTED)

BREAKLINE D-D SEE SHEET SIGN-6

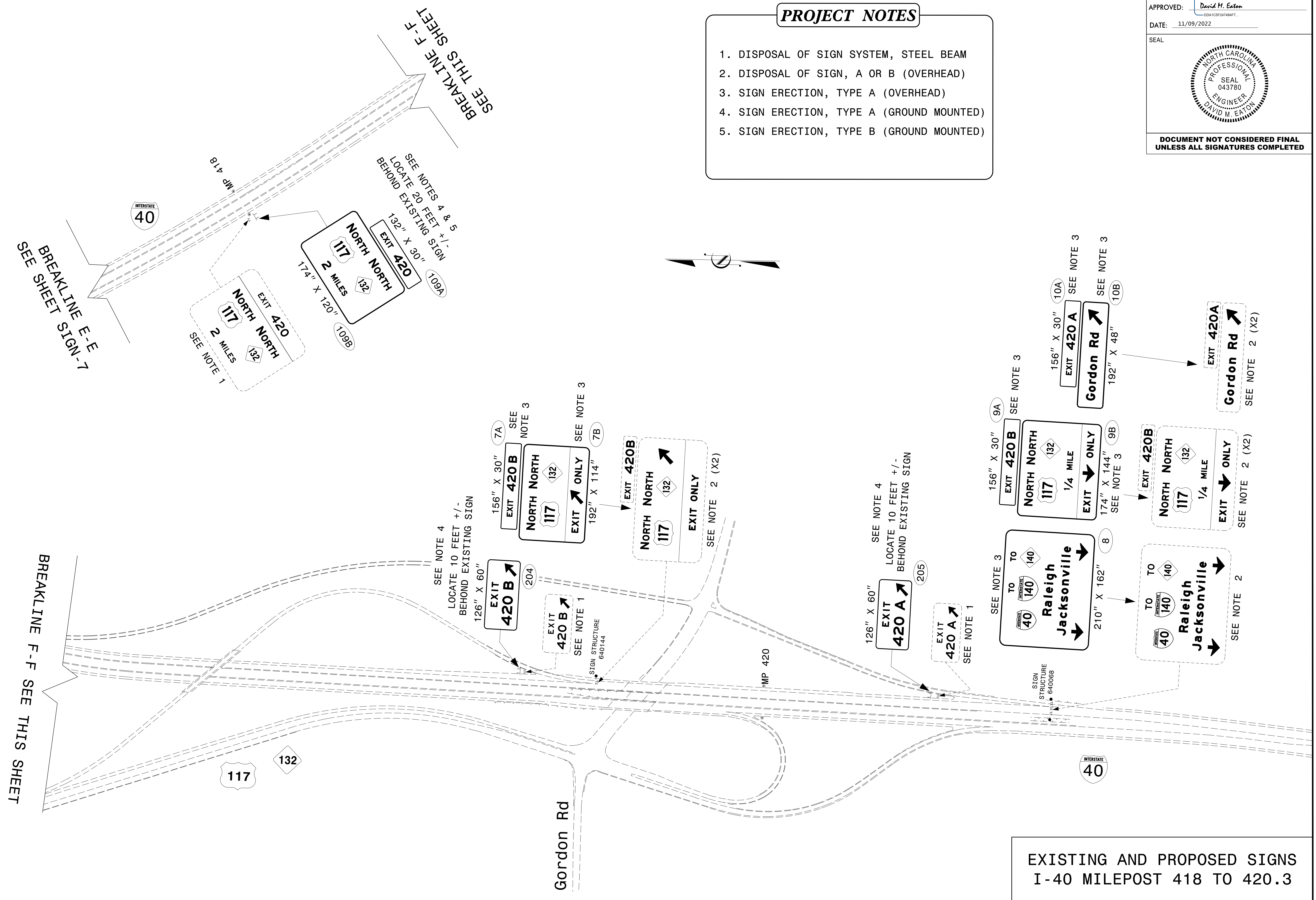
BREAKLINE E-E SEE SHEET SIGN-8



EXISTING AND PROPOSED SIGNS
I-40 MILEPOST 416.4 TO 417.3

PROJECT NOTES

1. DISPOSAL OF SIGN SYSTEM, STEEL BEAM
2. DISPOSAL OF SIGN, A OR B (OVERHEAD)
3. SIGN ERECTION, TYPE A (OVERHEAD)
4. SIGN ERECTION, TYPE A (GROUND MOUNTED)
5. SIGN ERECTION, TYPE B (GROUND MOUNTED)



**EXISTING AND PROPOSED SIGNS
I-40 MILEPOST 418 TO 420.3**

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