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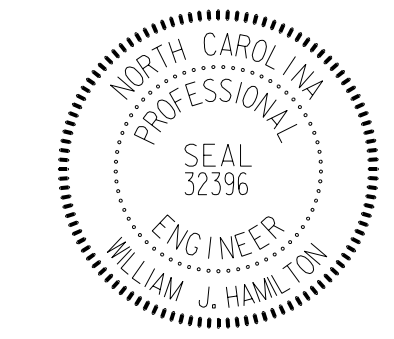
T.I.P.: R-5707

CONTRACT NO.:

**STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLAN
GRANVILLE COUNTY**

**LOCATION: NC 56 (W. LAKE ROAD & W. WILTON AVENUE)
AT US 15 (N. DURHAM AVENUE) AND NC 50 IN CREEDMOOR**

TIP NO. R-5707	SHEET NO. SIGN-1
APPROVED: <u>William J. Hamilton</u> <small>ASSET0070464848</small>	
DATE: 1/29/2019	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

INDEX

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
SIGN-1	TITLE SHEET
SIGN-2	TYPE "E" & "F" SIGNS
SIGN-3-4	SIGN DESIGNS
SIGN-5	EXISTING SIGNS
SIGN-6	PROPOSED SIGNS

GENERAL NOTES

- . SIGNS FURNISHED BY CONTRACTOR.
- . 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.
- . ALL TYPE 'D' SIGNS SHALL BE MOUNTED ON TWO U-CHANNEL POSTS UNLESS OTHERWISE INDICATED ON THE PLANS.
- . SIGNING PLANS DO NOT INCLUDE TEMPORARY CONSTRUCTION SIGNING OR PAVEMENT MARKINGS.
- . 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.
- . ALL EXISTING SIGNS ON "U" CHANNEL POST WITHIN THE PROJECT LIMITS SHALL BE REMOVED AND DISPOSED OF UNLESS OTHERWISE NOTED ON PLANS.
- . THE BACKGROUND FOR TYPE E & F SIGNS SHALL BE TYPE C REFLECTIVE SHEETING.

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:

<u>STD. NO.</u>	<u>TITLE</u>
904.10	ORIENTATION OF GROUND MOUNTED SIGNS
904.50	MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS

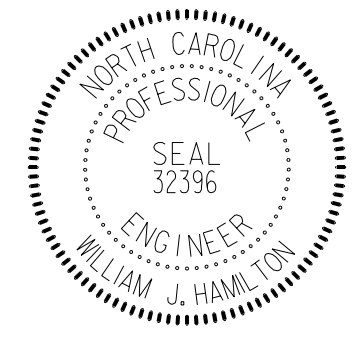
SUMMARY OF QUANTITIES

ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.		
4025000000	901	111	S.F.
4025000000	901	162	S.F.
4025000000	901	182	S.F.
4072000000	903	830	L.F.
4096000000	904	7	EA.
4102000000	904	28	EA.
4108000000	904	12	EA.
4155000000	907	35	EA.

PLANS PREPARED BY: Ramey Kemp & Associates

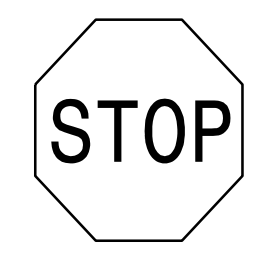
W. JASON HAMILTON, P.E., PTOE PROJECT MANAGER
TIMOTHY S. POPELKA, EI PROJECT ENGINEER



TIP NO. R-5707	SHEET NO. SIGN-2
Approved by: <i>William J. Hamilton</i> APPROVED: _____ DATE: 1/29/2019	
SEAL 	
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RAMEY KEMP ASSOCIATES, INC.
 Transportation Engineers
 5808 Faringdon Place, Suite 100
 Raleigh, North Carolina 27609
 Phone: 919-872-5115
 www.rameykemp.com
 NC License No. C-0910

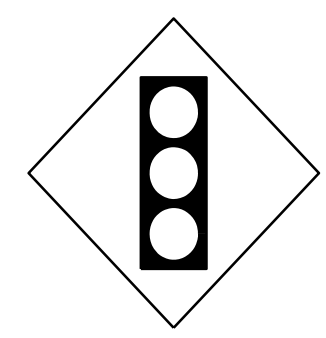
(401) QUANTITY REQ'D 6



36" X 36"
R1-1

ONE "U" POST PER SIGN

(406) QUANTITY REQ'D 1



30" X 30"
W3-3

ONE "U" POST PER SIGN

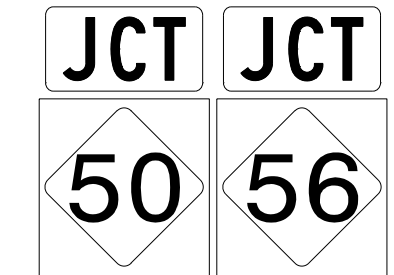
(402) QUANTITY REQ'D 4



30" X 30"
W11-2

ONE "U" POST PER SIGN


(501) (511)



2 - 21" X 15"
2 - 24" X 24"

TWO "U" POSTS PER SIGN

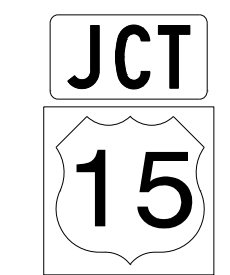
(504)



1 - 24" X 12"
1 - 24" X 24"

ONE "U" POST PER SIGN

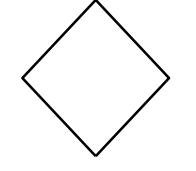
(508) (512)



1 - 21" X 15"
1 - 24" X 24"

ONE "U" POST PER SIGN

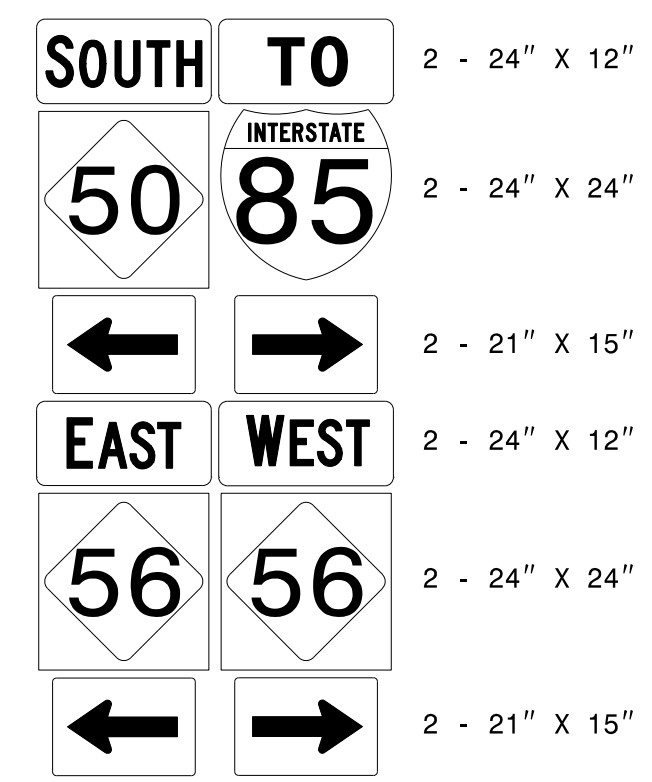
(407) QUANTITY REQ'D 4



18" X 18"
OM1-3

MOUNT BELOW SIGN 405
IN 4 INSTALLATIONS

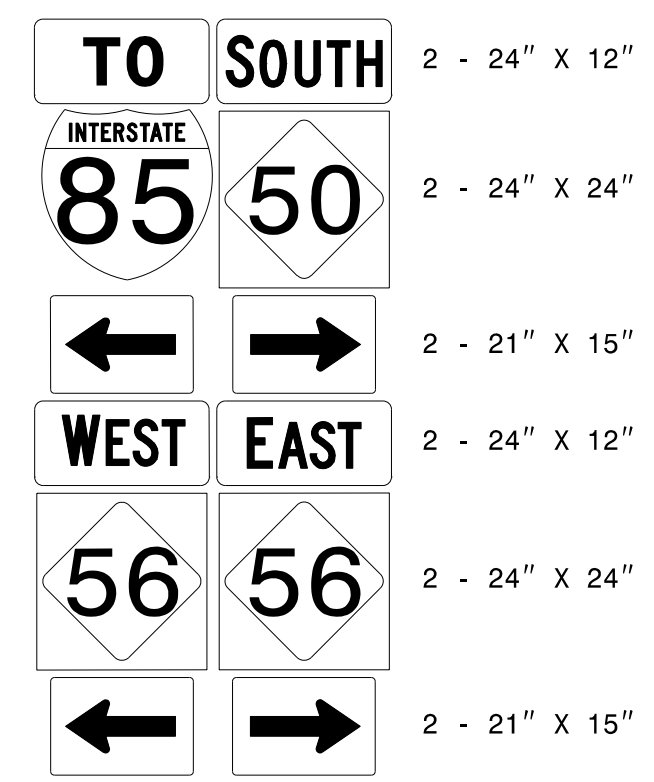
(502)



2 - 24" X 12"
2 - 24" X 24"
2 - 21" X 15"
2 - 24" X 12"
2 - 24" X 24"
2 - 21" X 15"

TWO "U" POSTS PER SIGN

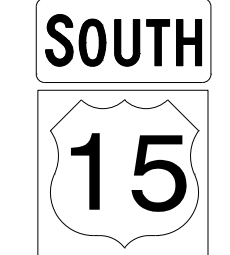
(505)



2 - 24" X 12"
2 - 24" X 24"
2 - 21" X 15"
2 - 24" X 12"
2 - 24" X 24"
2 - 21" X 15"

TWO "U" POSTS PER SIGN

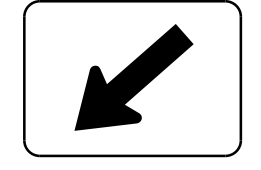
(509)



1 - 24" X 12"
1 - 24" X 24"

ONE "U" POST PER SIGN

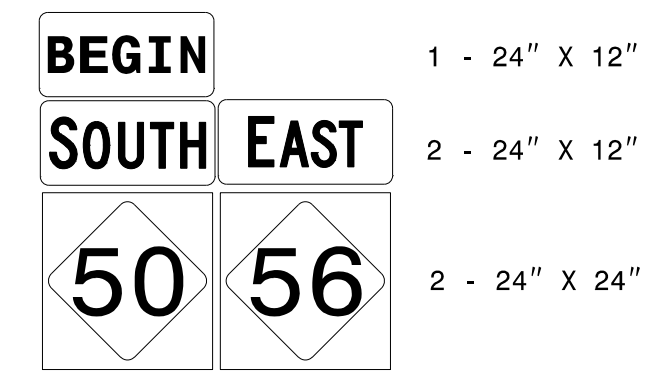
(403) QUANTITY REQ'D 4



24" X 12"
W16-7PL

MOUNT UNDER
SIGN 402 IN 4 INSTALLATIONS

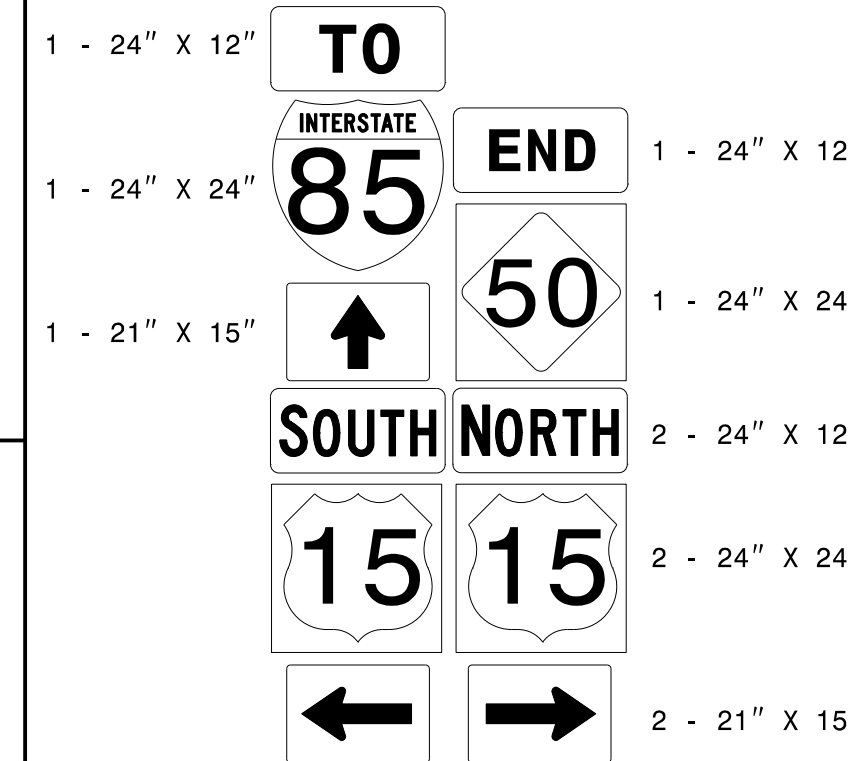
(510)



1 - 24" X 12"
2 - 24" X 12"
2 - 24" X 24"

ONE "U" POST PER SIGN

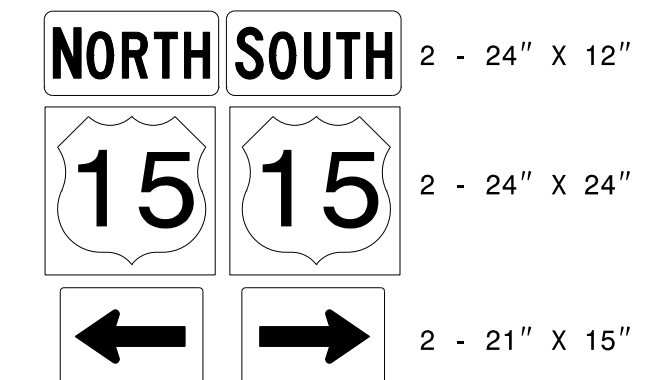
(503)



1 - 24" X 12"
1 - 24" X 24"
1 - 21" X 15"
1 - 24" X 12"
2 - 24" X 12"
2 - 24" X 24"
2 - 21" X 15"

TWO "U" POSTS PER SIGN

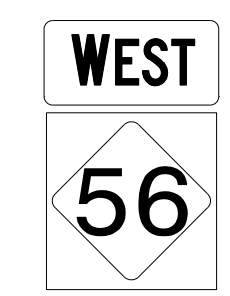
(506)



2 - 24" X 12"
2 - 24" X 24"
2 - 21" X 15"

TWO "U" POSTS PER SIGN


(507)



1 - 24" X 12"
1 - 24" X 24"

ONE "U" POST PER SIGN


(404) QUANTITY REQ'D 5



30" X 36"
R2-1

ONE "U" POST PER SIGN

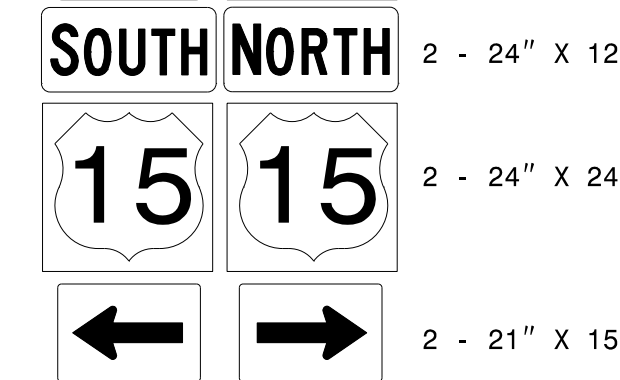
(405) QUANTITY REQ'D 4



24" X 30"
R4-7

ONE "U" POST PER SIGN

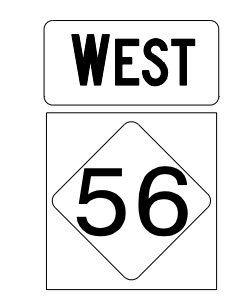
(503)



2 - 24" X 12"
2 - 24" X 24"
2 - 21" X 15"

TWO "U" POSTS PER SIGN

(506)



1 - 24" X 12"
1 - 24" X 24"

ONE "U" POST PER SIGN

(507)

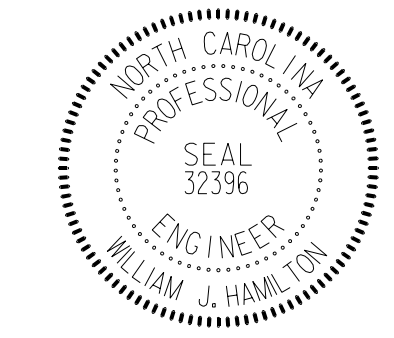



1 - 24" X 12"
1 - 24" X 24"

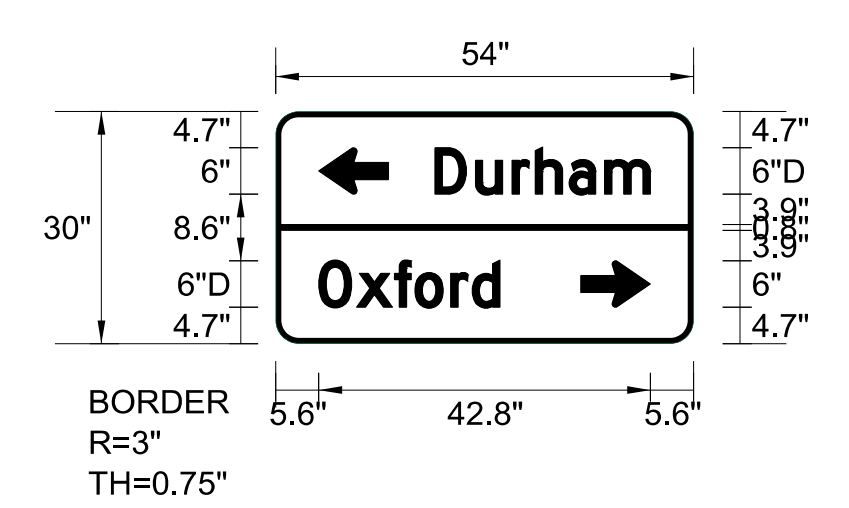
ONE "U" POST PER SIGN

TYPE "E" AND "F" SIGNS

1/29/2019
 C:\Signing\R5707_SIGN 2.dgn
 User: jhamilton

TIP NO. R-5707	SHEET NO. SIGN-3
APPROVED: <i>William J. Hamilton</i>	
DATE: 1/29/2019	
	
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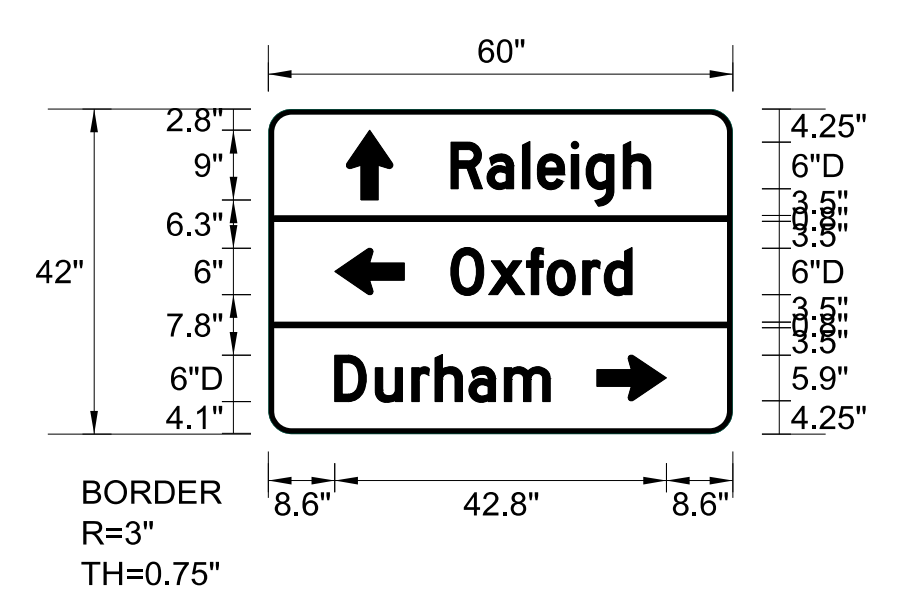
SIGN NUMBER: 301 TYPE: D QUANTITY: 1 SIGN WIDTH: 4'-6" HEIGHT: 2'-6" TOTAL AREA: 11.3 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 0.75" RADII: 3" NO. Z BARS: LENGTH:	BACKG COLOR: Green COPY COLOR: White <table border="1"> <thead> <tr> <th>SYMBOL</th> <th>X</th> <th>Y</th> <th>WID</th> <th>HT</th> </tr> </thead> <tbody> <tr> <td>AR_Type D</td> <td>5.6</td> <td>19.3</td> <td>6</td> <td>9</td> </tr> <tr> <td>AR_Type D</td> <td>39.4</td> <td>4.7</td> <td>6</td> <td>9</td> </tr> </tbody> </table>	SYMBOL	X	Y	WID	HT	AR_Type D	5.6	19.3	6	9	AR_Type D	39.4	4.7	6	9	DESIGN BY: TSP PROJECT ID: R-5707 CHECKED BY: WJH LOCATION: STA. 30+50 -L- AUG 31, 2018 DIV: 5
SYMBOL	X	Y	WID	HT													
AR_Type D	5.6	19.3	6	9													
AR_Type D	39.4	4.7	6	9													



Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS										
Letter locations are panel edge to lower left corner										
D	u	r	h	a	m					Series/Size Text Length
20.6	25.8	30.5	33.5	37.9	42.5					D 2000 27.8
										D 2000 23.4

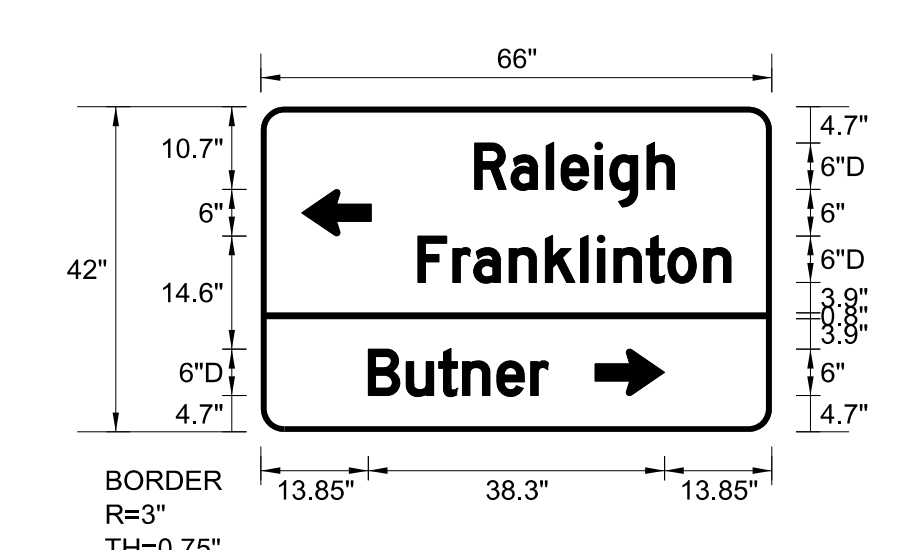
SIGN NUMBER: 302 TYPE: D QUANTITY: 1 SIGN WIDTH: 5'-0" HEIGHT: 3'-6" TOTAL AREA: 17.5 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 0.75" RADII: 3" NO. Z BARS: LENGTH:	BACKG COLOR: Green COPY COLOR: White <table border="1"> <thead> <tr> <th>SYMBOL</th> <th>X</th> <th>Y</th> <th>WID</th> <th>HT</th> </tr> </thead> <tbody> <tr> <td>AR_Type D</td> <td>10.1</td> <td>30.3</td> <td>6</td> <td>9</td> </tr> <tr> <td>AR_Type D</td> <td>8.6</td> <td>18</td> <td>6</td> <td>9</td> </tr> <tr> <td>AR_Type D</td> <td>42.4</td> <td>4.3</td> <td>6</td> <td>9</td> </tr> </tbody> </table>	SYMBOL	X	Y	WID	HT	AR_Type D	10.1	30.3	6	9	AR_Type D	8.6	18	6	9	AR_Type D	42.4	4.3	6	9	DESIGN BY: TSP PROJECT ID: R-5707 CHECKED BY: WJH LOCATION: STA. 25+00 -L- AUG 31, 2018 DIV: 5
SYMBOL	X	Y	WID	HT																		
AR_Type D	10.1	30.3	6	9																		
AR_Type D	8.6	18	6	9																		
AR_Type D	42.4	4.3	6	9																		



Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS										
Letter locations are panel edge to lower left corner										
R	a	i	e	i	g	h				Series/Size Text Length
23.6	28.3	32.8	34.7	39.1	41	45.8				D 2000 25.8
										D 2000 23.4
										D 2000 27.8

SIGN NUMBER: 303 TYPE: D QUANTITY: 1 SIGN WIDTH: 5'-6" HEIGHT: 3'-6" TOTAL AREA: 19.3 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 0.75" RADII: 3" NO. Z BARS: LENGTH:	BACKG COLOR: Green COPY COLOR: White <table border="1"> <thead> <tr> <th>SYMBOL</th> <th>X</th> <th>Y</th> <th>WID</th> <th>HT</th> </tr> </thead> <tbody> <tr> <td>AR_Type D</td> <td>5.3</td> <td>25.3</td> <td>6</td> <td>9</td> </tr> <tr> <td>AR_Type D</td> <td>43.1</td> <td>4.7</td> <td>6</td> <td>9</td> </tr> </tbody> </table>	SYMBOL	X	Y	WID	HT	AR_Type D	5.3	25.3	6	9	AR_Type D	43.1	4.7	6	9	DESIGN BY: TSP PROJECT ID: R-5707 CHECKED BY: WJH LOCATION: STA. 311+80 -Y3- Nov 20, 2018 DIV: 5
SYMBOL	X	Y	WID	HT													
AR_Type D	5.3	25.3	6	9													
AR_Type D	43.1	4.7	6	9													

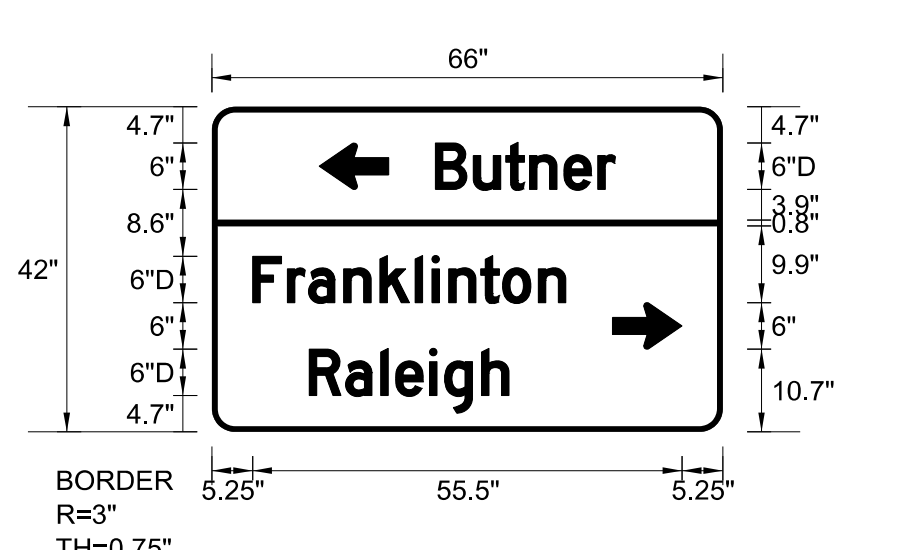


Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS										
Letter locations are panel edge to lower left corner										
R	a	i	e	i	g	h				Series/Size Text Length
27.6	32.3	36.9	38.8	43.2	45.1	49.9				D 2000 25.8
										D 2000 40.4
										D 2000 23.3

NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 304 TYPE: D QUANTITY: 1 SIGN WIDTH: 5'-6" HEIGHT: 3'-6" TOTAL AREA: 19.3 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 0.75" RADII: 3" NO. Z BARS: LENGTH:	BACKG COLOR: Green COPY COLOR: White <table border="1"> <thead> <tr> <th>SYMBOL</th> <th>X</th> <th>Y</th> <th>WID</th> <th>HT</th> </tr> </thead> <tbody> <tr> <td>AR_Type D</td> <td>13.9</td> <td>31.3</td> <td>6</td> <td>9</td> </tr> <tr> <td>AR_Type D</td> <td>51.7</td> <td>10.7</td> <td>6</td> <td>9</td> </tr> </tbody> </table>	SYMBOL	X	Y	WID	HT	AR_Type D	13.9	31.3	6	9	AR_Type D	51.7	10.7	6	9	DESIGN BY: TSP PROJECT ID: R-5707 CHECKED BY: WJH LOCATION: STA. 308+50 -Y3- Nov 20, 2018 DIV: 5
SYMBOL	X	Y	WID	HT													
AR_Type D	13.9	31.3	6	9													
AR_Type D	51.7	10.7	6	9													



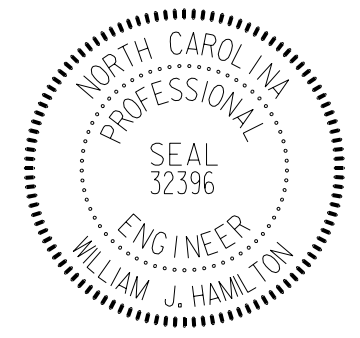

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS										
Letter locations are panel edge to lower left corner										
B	u	t	n	e	r					Series/Size Text Length
28.9	33.8	38	41	45.5	49.9					D 2000 23.3
										D 2000 40.4
										D 2000 25.8

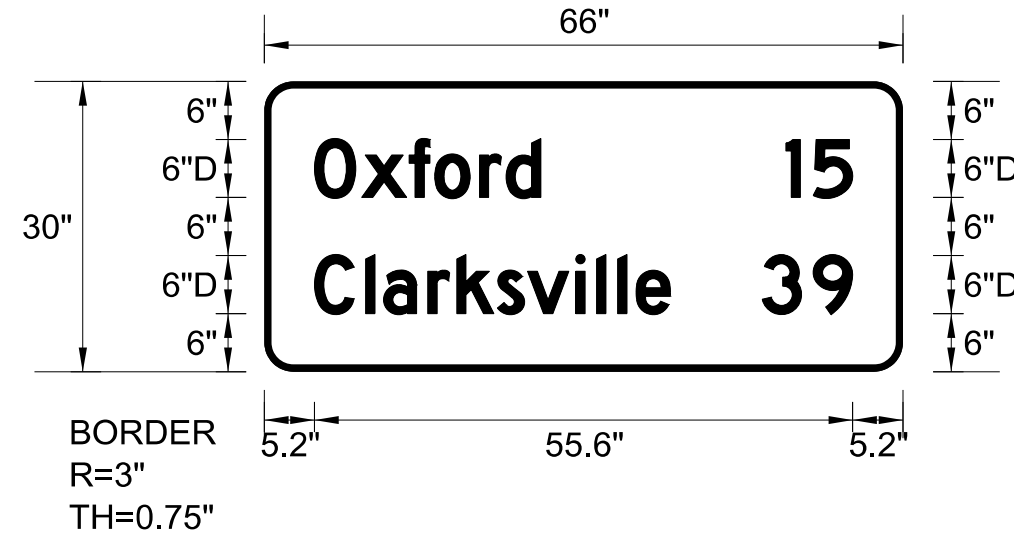
NORTH CAROLINA D.O.T. SIGN DETAIL

1/29/2019
 ...\\Signing\NR5707_SIGN 3.dgn
 User:jhamilton

SIGN DESIGNS

TIP NO. R-5707	SHEET NO. SIGN-4
APPROVED: <i>William J. Hamilton</i>	
DATE: 1/29/2019	
	
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SIGN NUMBER: 305 TYPE: D QUANTITY: 1 SIGN WIDTH: 5'-6" HEIGHT: 2'-6" TOTAL AREA: 13.8 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 0.75" RADII: 3" NO. Z BARS: LENGTH:	BACKG COLOR: Green COPY COLOR: White SYMBOL <table border="1"> <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> </table> MAT'L: 0.125" (3.2 mm) ALUMINUM 0.080" (2.0 mm) ALUMINUM 0.125" (3.2 mm) ALUMINUM	SYMBOL	X	Y	WID	HT																										DESIGN BY: TSP PROJECT ID: R-5707 CHECKED BY: WJH LOCATION: STA. 313+20 -Y3- Nov 20, 2018 DIV: 5
SYMBOL	X	Y	WID	HT																												



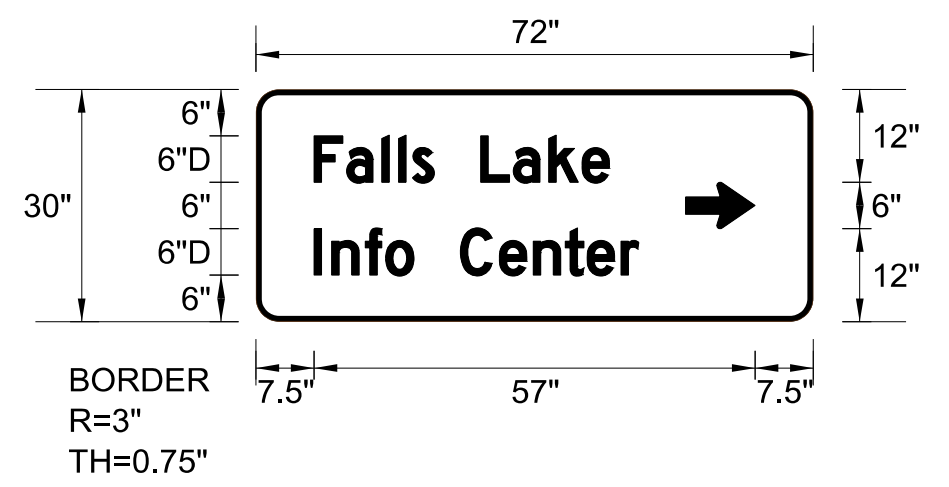
BORDER R=3" TH=0.75"

Spacing Factor is 1 unless specified otherwise

Letter locations are panel edge to lower left corner															Series/Size
O	x	f	o	r	d	1	5								Text Length
5.2	10.1	15	17.6	22.2	25	53.9	56.7								D 2000 55.6
C	l	a	r	k	s	v	i	l	e	3	9				D 2000
5.2	10.5	12.3	16.9	19.9	24.1	27.2	32.2	34.4	36.5	38.4	51.5	56.7			55.6

FILENAME: Tim Sign Designs NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 306 TYPE: D QUANTITY: 1 SIGN WIDTH: 6'-0" HEIGHT: 2'-6" TOTAL AREA: 15.0 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 0.75" RADII: 3" NO. Z BARS: LENGTH:	BACKG COLOR: Brown COPY COLOR: White SYMBOL <table border="1"> <tr><th>SYMBOL</th><th>X</th><th>Y</th><th>WID</th><th>HT</th></tr> <tr><td>AR_Type D</td><td>55.5</td><td>12</td><td>6</td><td>9</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	AR_Type D	55.5	12	6	9																					DESIGN BY: TSP PROJECT ID: R-5707 CHECKED BY: WJH LOCATION: STA. 308+00 -Y3- Aug 31, 2018 DIV: 5
SYMBOL	X	Y	WID	HT																												
AR_Type D	55.5	12	6	9																												

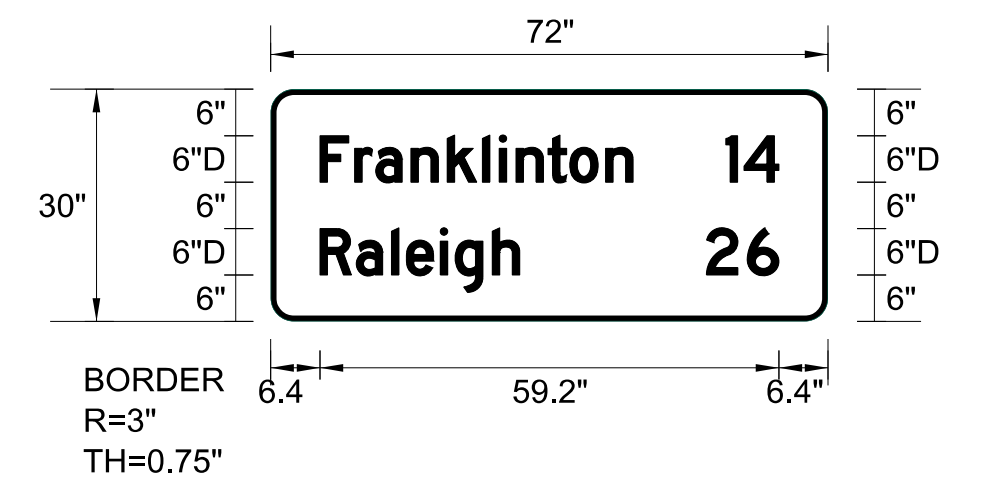


BORDER R=3" TH=0.75"

Spacing Factor is 1 unless specified otherwise

Letter locations are panel edge to lower left corner															Series/Size
F	a	l	l	s	L	a	k	e							Text Length
7.5	11.7	16.3	18.4	20.2	23.1	29.1	33.3	37.8	42.1						D 2000 38.2
I	n	f	o	C	e	n	t	e	r						D 2000
7.5	9.8	14.1	16.8	20.4	26.4	31.5	35.8	40	42.8	47.2					41.9

SIGN NUMBER: 307 TYPE: D QUANTITY: 1 SIGN WIDTH: 6'-0" HEIGHT: 2'-6" TOTAL AREA: 15.0 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 0.75" RADII: 3" NO. Z BARS: LENGTH:	BACKG COLOR: Green COPY COLOR: White SYMBOL <table border="1"> <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> </table> MAT'L: 0.125" (3.2 mm) ALUMINUM	SYMBOL	X	Y	WID	HT																										DESIGN BY: TSP PROJECT ID: R-5707 CHECKED BY: WJH LOCATION: STA. 30+70 -L- Aug 31, 2018 DIV: 5
SYMBOL	X	Y	WID	HT																												




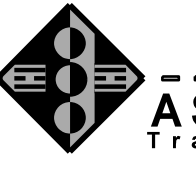
BORDER R=3" TH=0.75"

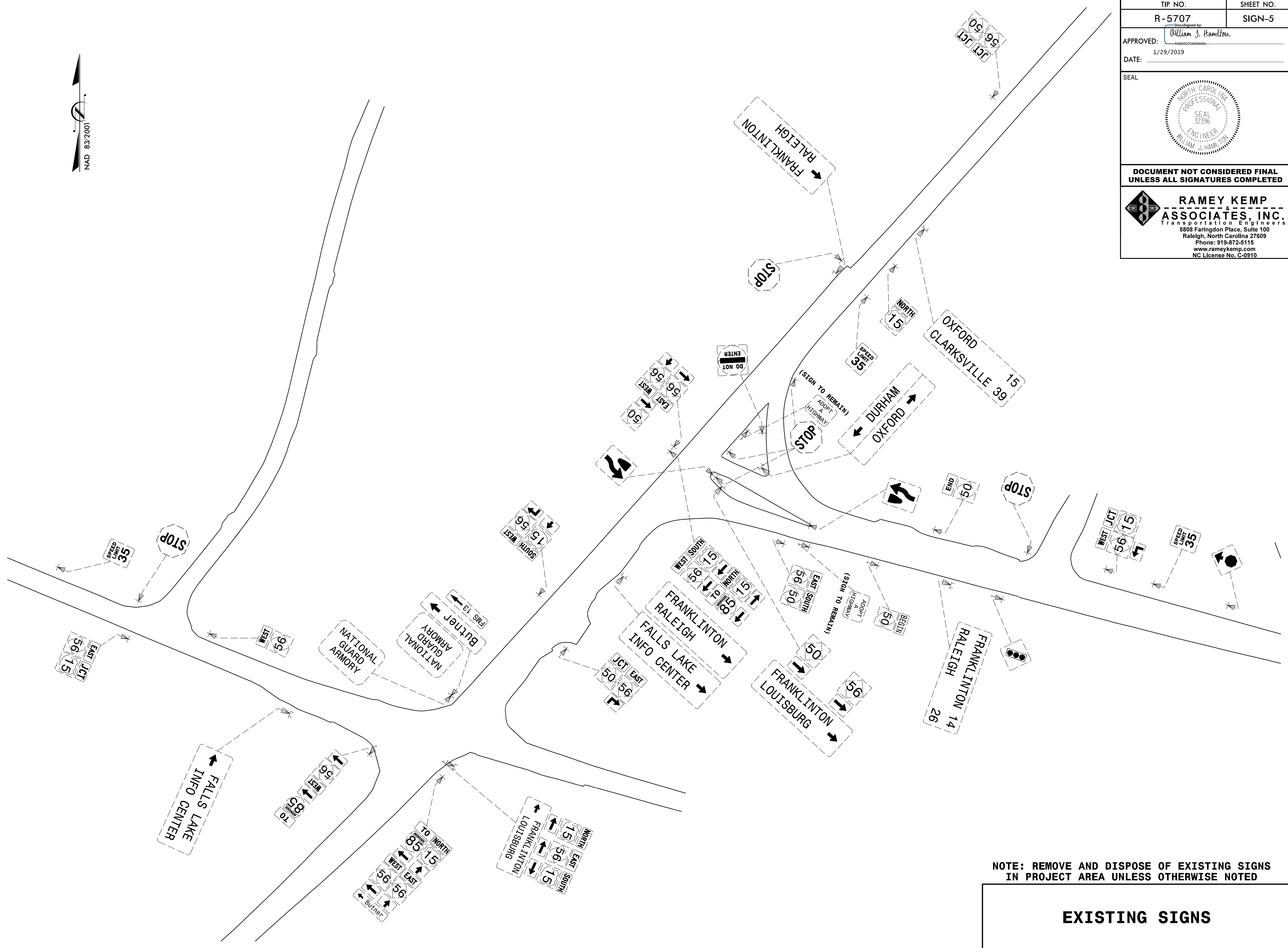
Spacing Factor is 1 unless specified otherwise

Letter locations are panel edge to lower left corner															Series/Size
F	r	a	n	k	l	i	n	t	o	n	1	4			Text Length
6.4	10.9	13.6	18.1	22.8	27.4	29.5	31.7	35.8	38.6	43.3	56.8	61.1			D 2000 59.3
R	a	l	e	i	g	h	2	6							D 2000
6.4	11	15.6	17.5	21.9	23.8	28.6	56.3	61.6							59.3

I:\29\2019\Signing\NR5707_SIGN 4.dgn
 User:jhamilton

SIGN DESIGNS

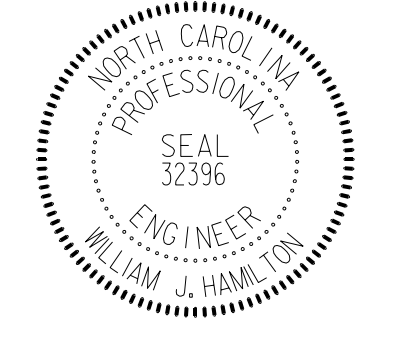

TIP NO. R-5707	SHEET NO. SIGN-5
APPROVED: <i>William J. Hamilton</i> <small>AS0660704848484</small>	
DATE: 1/29/2019	
SEAL 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
 RAMEY KEMP ASSOCIATES, INC. <small>Transportation Engineers 5808 Faringdon Place, Suite 100 Raleigh, North Carolina 27609 Phone: 919-872-5115 www.rameykemp.com NC License No. C-0910</small>	



**NOTE: REMOVE AND DISPOSE OF EXISTING SIGNS
IN PROJECT AREA UNLESS OTHERWISE NOTED**

EXISTING SIGNS

1/29/2019
 ...Signing\R5707_SIGN 5.dgn
 User:jhamilton

TIP NO. R-5707	SHEET NO. SIGN-6
APPROVED: <i>William J. Hamilton</i> 1/29/2019	
DATE: 1/29/2019	
SEAL 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
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1/29/2019
 ...Signing\R5707_SIGN 6.dgn
 User:jhamilton

PROPOSED SIGNS