

T.I.P.: W-5121

CONTRACT:

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

SIGNING PLANS
BLADEN COUNTY

LOCATION: NC 41 AND NC 131 INTERSECTION NEAR DUBLIN, NC

TIP NO. W-5121	SHEET NO. SIGN-1
APPROVED: _____	
DATE: _____	
SEAL	
<small>ARCADIS G&M of North Carolina, Inc. 801 Corporate Center Drive, Suite 300 Raleigh, NC 27607 Tel: 919-854-1282 Fax: 919-854-5448 www.arcadis-us.com</small>	

SUMMARY OF QUANTITIES

ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
0001000000	800	MOBILIZATION		LS
4026000000	902	DEPARTMENT FURNISHED, TYPE D SIGN	94	S.F.
4026000000	902	DEPARTMENT FURNISHED, TYPE E SIGN	99	S.F.
4026000000	902	DEPARTMENT FURNISHED, TYPE F SIGN	188	S.F.
4072000000	903	SUPPORTS, 3 LB STEEL U-CHANNEL	780	L.F.
4096000000	904	SIGN ERECTION, TYPE D	9	EA.
4102000000	904	SIGN ERECTION, TYPE E	11	EA.
4108000000	904	SIGN ERECTION, TYPE F	13	EA.
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	31	EA.
		DISPOSAL OF FLASHER SYSTEM	1	LS

PROJECT NOTES

- DISPOSAL OF SIGN SYSTEM, U-CHANNEL
- DISPOSAL OF FLASHER SYSTEM AND SIGNAL POLES

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 JULY 2006 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

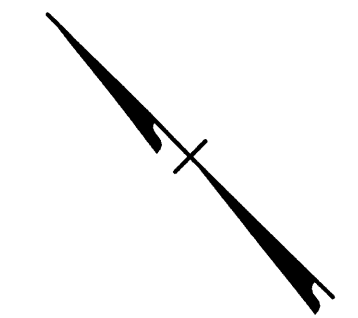
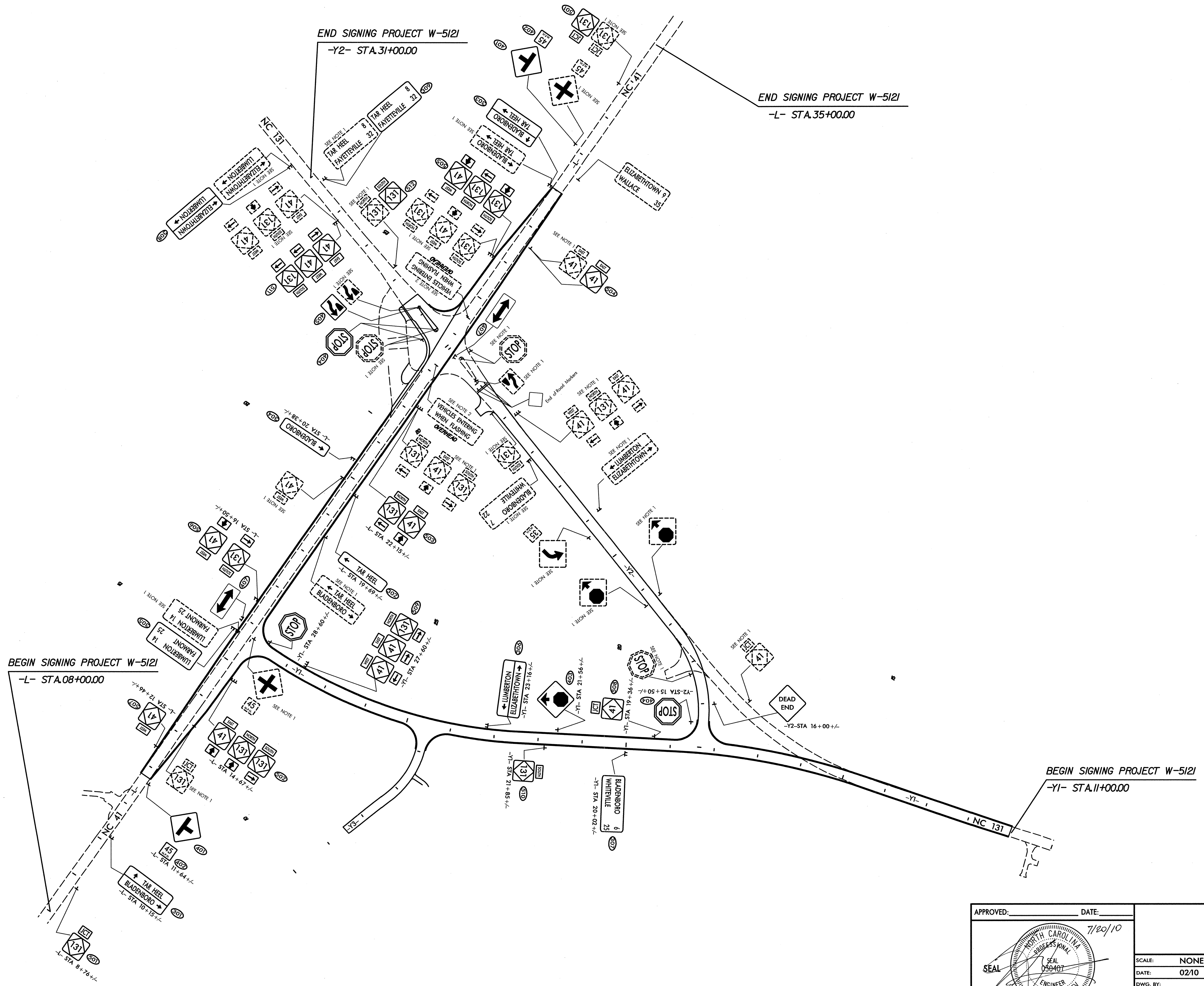
STD. NO.	TITLE
904.10	ORIENTATION OF GROUND MOUNTED SIGNS
904.50	MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS

GENERAL NOTES

- SIGNS FURNISHED BY STATE
- ALL TYPE 'D' SIGNS SHALL BE MOUNTED ON TWO U-CHANNEL POSTS UNLESS OTHERWISE INDICATED ON THE PLANS.
- IF REMOVAL OR RELOCATION OF SIGNS ON PRIVATE STREET (NON-STATE MAINTAINED) IS REQUIRED DUE TO CONSTRUCTION, THE CONTRACTOR SHALL INFORM THE ENGINEER. THE WORK WILL BE COMPLETED BY OTHERS.
- SIGNING PLANS DO NOT INCLUDE TEMPORARY CONSTRUCTION SIGNING OR PAVEMENT MARKINGS. SEE TRAFFIC CONTROL PLANS.
- 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.

INDEX

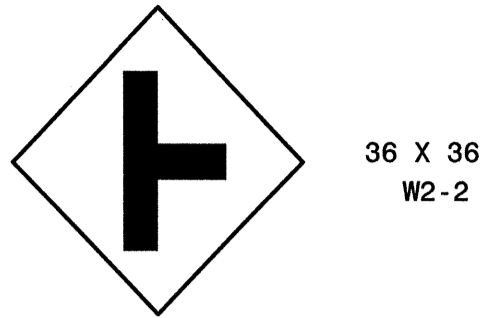
SHEET NO.	DESCRIPTION
SIGN-1	TITLE SHEET
SIGN-2	PLAN VIEW
SIGN-3	QUANTITIES
SIGN-4&5	SIGN DESIGN SHEETS



APPROVED:	DATE:	PLAN VIEW									
	7/20/10										
SCALE:	NONE										
DATE:	0210										
DWG. BY:											
DESIGN BY:	I.DERNEV										
REVIEWED BY:		<table border="1"> <thead> <tr> <th colspan="2">REVISIONS</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>		REVISIONS							
REVISIONS											

SEAL NOT VALID UNLESS SIGNED AND DATED

401 QUANTITY REQ'D 2



36 X 36
W2-2

ONE "U" POST PER SIGN

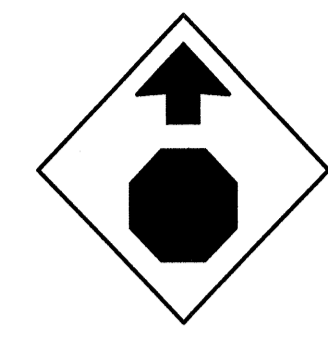
402 QUANTITY REQ'D 2



24" X 24"
W13-1

MOUNT BELOW SIGN 401
IN 2 INSTALLATIONS

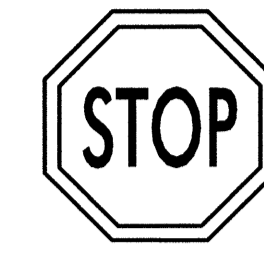
403 QUANTITY REQ'D 1



36 X 36
W3-1a

ONE "U" POST PER SIGN

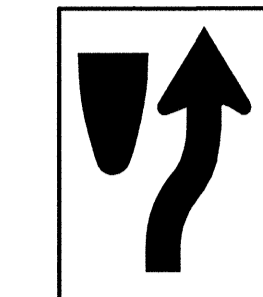
404 QUANTITY REQ'D 4



36 X 36
R1-1

TWO "U" POSTS PER SIGN

405 QUANTITY REQ'D 1



24 X 30
R4-7

ONE "U" POST PER SIGN

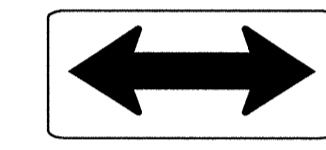
406 QUANTITY REQ'D 1



48 X 48
W14-1

ONE "U" POST PER SIGN

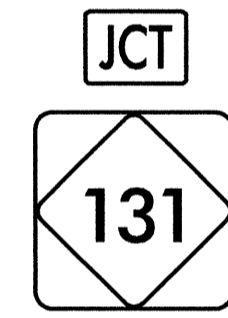
407 QUANTITY REQ'D 2



48 X 24
W1-7

TWO "U" POSTS PER SIGN

501

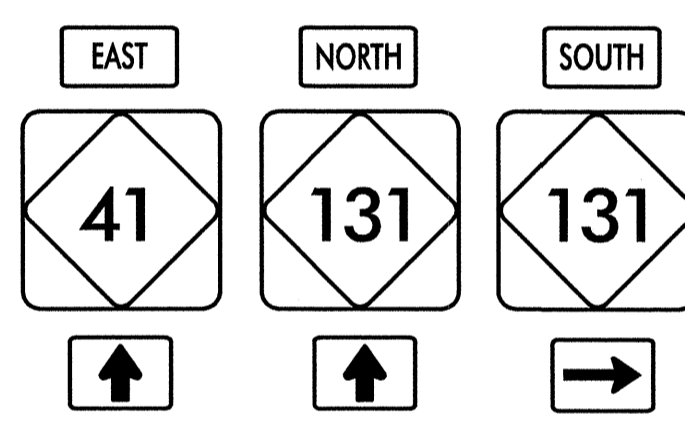


2 - 21" X 15"

2 - 24" X 24"

ONE "U" POST PER SIGN

502



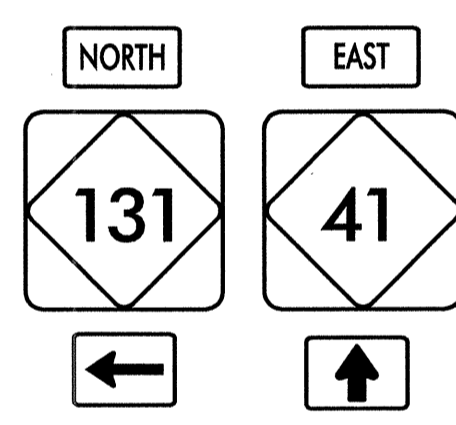
3 - 24" X 12"

3 - 24" X 24"

3 - 21" X 15"

THREE "U" POSTS PER SIGN

503



2 - 24" X 12"

2 - 24" X 24"

2 - 21" X 15"

TWO "U" POSTS PER SIGN

504

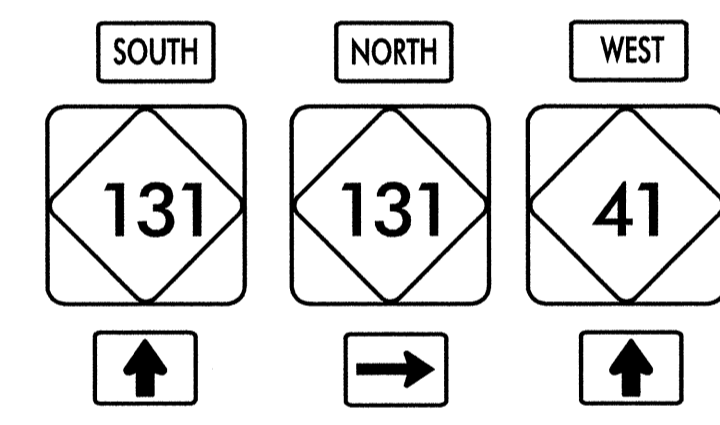


1 - 24" X 12"

1 - 24" X 24"

ONE "U" POST PER SIGN

505



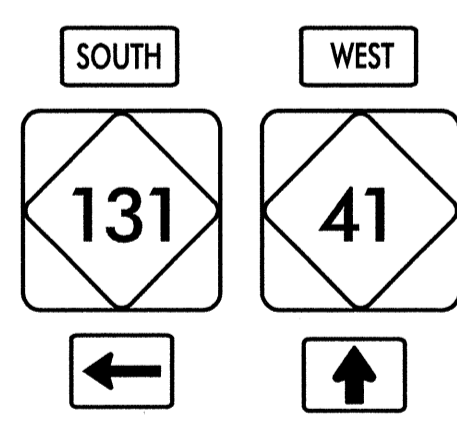
3 - 24" X 12"

3 - 24" X 24"

3 - 21" X 15"

THREE "U" POSTS PER SIGN

506



2 - 24" X 12"

2 - 24" X 24"

2 - 21" X 15"

TWO "U" POSTS PER SIGN

507

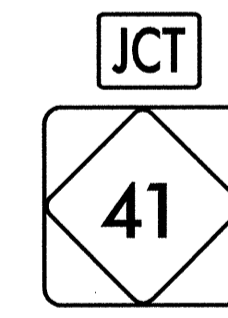


1 - 24" X 12"

1 - 24" X 24"

ONE "U" POST PER SIGN

508

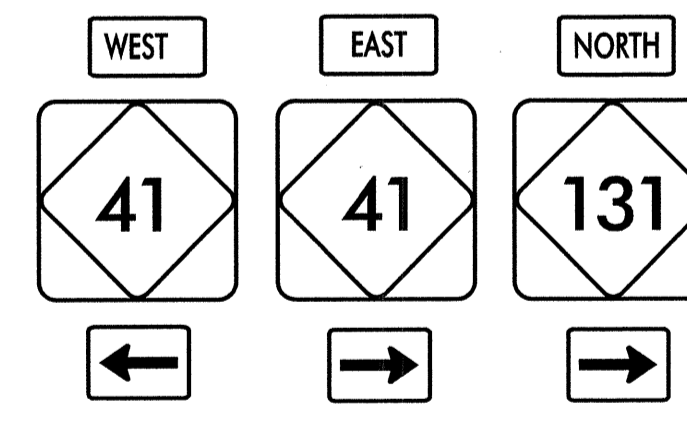


1 - 21" X 15"

1 - 24" X 24"

ONE "U" POST PER SIGN

509



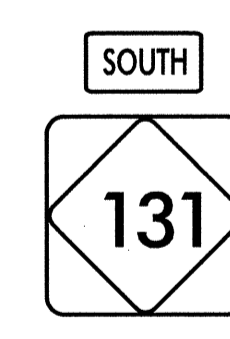
3 - 24" X 12"

3 - 24" X 24"

3 - 21" X 15"

THREE "U" POSTS PER SIGN

510

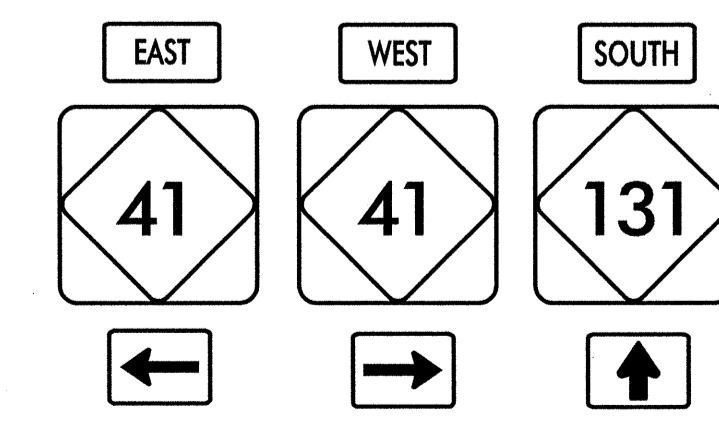


1 - 24" X 12"

1 - 24" X 24"

ONE "U" POST PER SIGN

511



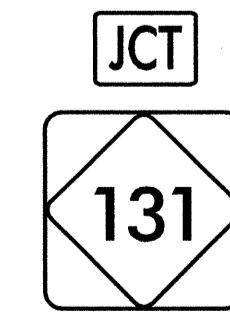
3 - 24" X 12"

3 - 24" X 24"

3 - 21" X 15"

THREE "U" POSTS PER SIGN

512



1 - 21" X 15"

1 - 24" X 24"

ONE "U" POST PER SIGN

APPROVED: _____	DATE: 7/20/10	<h2 style="text-align: center;">TYPE "E" or "F" SIGNS</h2>
SCALE: NONE	REVISIONS	
DATE: 02/10		
DWG. BY: I. DERNEY		
DESIGN BY: I. DERNEY		
REVIEWED BY: _____		CARD FILE

SIGN NUMBER: 301
 TYPE: D
 QUANTITY: 1
 SIGN WIDTH: 6'-6"
 HEIGHT: 2'-6"
 TOTAL AREA: 16.3 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 0.75"
 RADII: 3"
 NO. Z BARS: LENGTH:

SYMBOL	X	Y	WID	HT
ARUP	13.6	17.1	6	9
ARUP	62.8	3.9	6	9

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

DESIGN BY: none
 PROJECT ID: ID
 CHECKED BY: DIV: DIV
 DATE: Feb 11, 2010

USE NOTES: 1,2,3,4
 1. Legend and border shall be direct applied Grade B sheeting.
 2. Background shall be Grade C reflective sheeting.
 3. Shields shall be on 0.032" (0.8mm) aluminum and demountable.
 4. Shields shall be Grade B sheeting.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Letter	Series/Size	Text Length
T A R H E E L	D 2000	38.9
B L A D E N B O R O	D 2000	50.6

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

SIGN NUMBER: 302
 TYPE: D
 QUANTITY: 1
 SIGN WIDTH: 5'-6"
 HEIGHT: 1'-6"
 TOTAL AREA: 8.3 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 0.75"
 RADII: 3"
 NO. Z BARS: LENGTH:

SYMBOL	X	Y	WID	HT
ARUP	50.9	6	6	9

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

DESIGN BY: none
 PROJECT ID: ID
 CHECKED BY: DIV: DIV
 DATE: Feb 11, 2010

USE NOTES: 1,2,3,4
 1. Legend and border shall be direct applied Grade B sheeting.
 2. Background shall be Grade C reflective sheeting.
 3. Shields shall be on 0.032" (0.8mm) aluminum and demountable.
 4. Shields shall be Grade B sheeting.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Letter	Series/Size	Text Length
T A R H E E L	D 2000	38.9

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

SIGN NUMBER: 303
 TYPE: D
 QUANTITY: 1
 SIGN WIDTH: 6'-6"
 HEIGHT: 2'-6"
 TOTAL AREA: 16.3 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 0.75"
 RADII: 3"
 NO. Z BARS: LENGTH:

SYMBOL	X	Y	WID	HT
ARUP	7.7	17.1	6	9
ARUP	56.9	3.9	6	9

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

DESIGN BY: none
 PROJECT ID: ID
 CHECKED BY: DIV: DIV
 DATE: Feb 11, 2010

USE NOTES: 1,2,3,4
 1. Legend and border shall be direct applied Grade B sheeting.
 2. Background shall be Grade C reflective sheeting.
 3. Shields shall be on 0.032" (0.8mm) aluminum and demountable.
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Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Letter	Series/Size	Text Length
B L A D E N B O R O	D 2000	50.6
T A R H E E L	D 2000	38.9

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

SIGN NUMBER: 304
 TYPE: D
 QUANTITY: 1
 SIGN WIDTH: 6'-6"
 HEIGHT: 1'-6"
 TOTAL AREA: 9.8 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 0.75"
 RADII: 3"
 NO. Z BARS: LENGTH:

SYMBOL	X	Y	WID	HT
ARUP	6.2	6	6	9

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

DESIGN BY: none
 PROJECT ID: ID
 CHECKED BY: DIV: DIV
 DATE: Feb 11, 2010

USE NOTES: 1,2,3,4
 1. Legend and border shall be direct applied Grade B sheeting.
 2. Background shall be Grade C reflective sheeting.
 3. Shields shall be on 0.032" (0.8mm) aluminum and demountable.
 4. Shields shall be Grade B sheeting.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Letter	Series/Size	Text Length
B L A D E N B O R O	D 2000	50.6

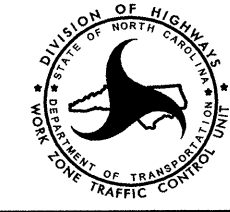
FILENAME: IvoSignDesign NORTH CAROLINA D.O.T. SIGN DETAIL

APPROVED: _____ DATE: 7/20/10

SEAL NOT VALID UNLESS SIGNED AND DATED

D SIGNS

SCALE: NONE
 DATE: 02/10
 DWG. BY:
 DESIGN BY: I.DERNEV
 REVIEWED BY:



REVISIONS

SIGN NUMBER: 305 TYPE: D QUANTITY: 1 SIGN WIDTH: 6'-0" HEIGHT: 2'-0" TOTAL AREA: 12.0 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 0.75" RADII: 3" NO. Z BARS: LENGTH:	BACKG COLOR: Green COPY COLOR: White SYMBOL	DESIGN BY: none PROJECT ID: ID CHECKED BY: DIV DATE: Feb 11, 2010
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USE NOTES: 1,2,3,4

- Legend and border shall be direct applied Grade B sheeting.
- Background shall be Grade C reflective sheeting.
- Shields shall be on 0.032" (0.8mm) aluminum and demountable.
- Shields shall be Grade B sheeting.

LETTER POSITIONS

Letter spacings are to start of next letter

Letter	L	U	M	B	E	R	T	O	N	1	4	Series/Size
Text Length	7.1	4.6	5.5	6.1	5.1	4.7	4.6	4.5	5.6	4.1	6	D 2000
												57.7
Letter	F	A	R	M	O	N	T	2	5	Series/Size		
Text Length	7.1	4.1	6	5.1	6	5.6	5	3.7	12.9	5.3	4.1	D 2000
												57.7

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

SIGN NUMBER: 306 TYPE: D QUANTITY: 1 SIGN WIDTH: 7'-6" HEIGHT: 2'-6" TOTAL AREA: 18.8 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 0.75" RADII: 3" NO. Z BARS: LENGTH:	BACKG COLOR: Green/Green COPY COLOR: White SYMBOL	DESIGN BY: none PROJECT ID: ID CHECKED BY: DIV DATE: Feb 11, 2010
--	---	--

USE NOTES: 1,2,3,4

- Legend and border shall be direct applied Grade B sheeting.
- Background shall be Grade C reflective sheeting.
- Shields shall be on 0.032" (0.8mm) aluminum and demountable.
- Shields shall be Grade B sheeting.

LETTER POSITIONS

Letter spacings are to start of next letter

Letter	L	U	M	B	E	R	T	O	N	1	4	Series/Size		
Text Length	30.1	4.6	5.5	6.1	5.1	4.7	4.6	4.5	5.6	4.1	15.1	D 2000		
												44.8		
Letter	E	L	I	Z	A	B	E	T	H	T	O	W	N	Series/Size
Text Length	7.2	4.7	4.6	2	4.6	6	5.1	4.2	4.6	5	4.5	5	6.2	D 2000
														60.7

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

SIGN NUMBER: 307 TYPE: D QUANTITY: 1 SIGN WIDTH: 6'-0" HEIGHT: 2'-0" TOTAL AREA: 12.0 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 0.75" RADII: 3" NO. Z BARS: LENGTH:	BACKG COLOR: Green COPY COLOR: White SYMBOL	DESIGN BY: none PROJECT ID: ID CHECKED BY: DIV DATE: Feb 11, 2010
--	---	--

USE NOTES: 1,2,3,4

- Legend and border shall be direct applied Grade B sheeting.
- Background shall be Grade C reflective sheeting.
- Shields shall be on 0.032" (0.8mm) aluminum and demountable.
- Shields shall be Grade B sheeting.

LETTER POSITIONS

Letter spacings are to start of next letter

Letter	B	L	A	D	E	N	B	O	R	O	6	Series/Size	
Text Length	5.6	5.1	4.1	6	5.4	4.7	5.5	5	5.6	5	4.3	D 2000	
												60.7	
Letter	W	H	I	T	E	V	I	L	L	E	2	5	Series/Size
Text Length	5.6	6.2	5.5	1.9	4.6	4.2	5.5	2.4	4.6	4.6	3.7	8.1	D 2000
													60.7

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

APPROVED: _____ DATE: 7/20/10	D SIGNS	SCALE: NONE		REVISIONS
DATE: 02/10		DESIGN BY: I. DERNEY		REVISIONS
SEAL		DWG. BY:		
		DESIGN BY: I. DERNEY		
		REVIEWED BY:		

SEAL NOT VALID UNLESS SIGNED AND DATED