

STATE OF SOUTH DAKOTA	PROJECT P 0047(18)136	SHEET S1	TOTAL SHEETS S17
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Plotting Date: 06/23/2014

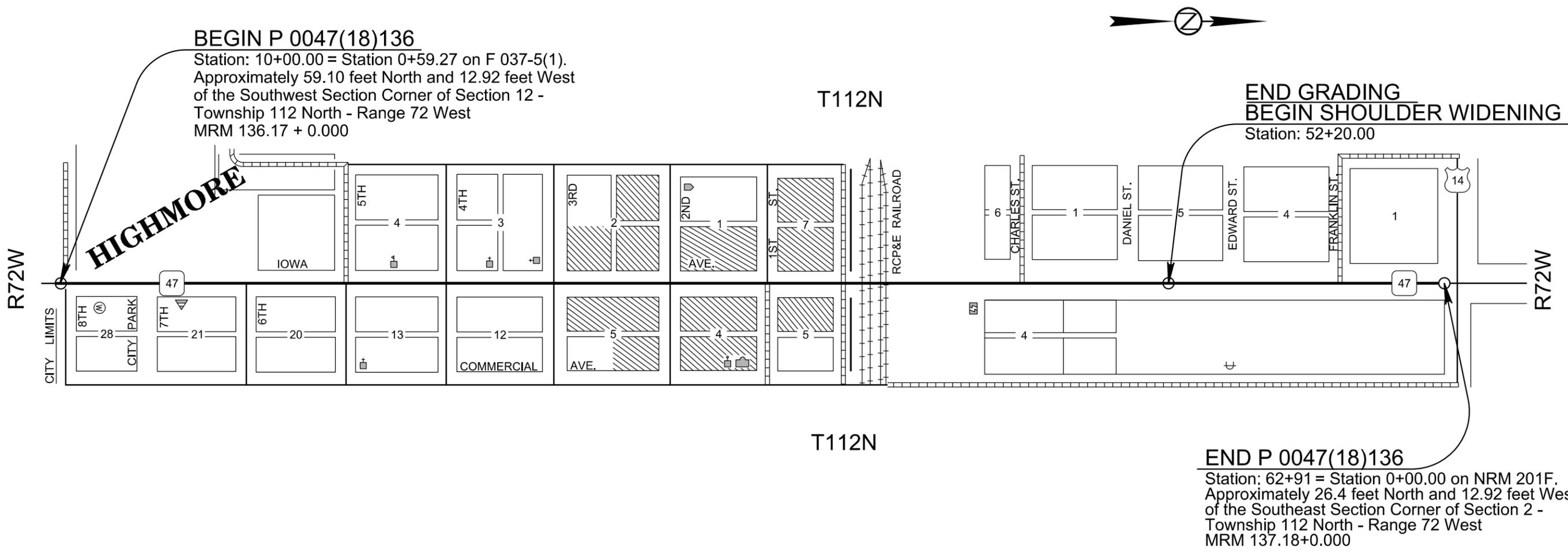
**INDEX OF SHEETS**

- Sheet S1: Title Sheet W/Layout Map
- Sheet S2: Plan Notes
- Sheet S3-S7: Sign Tables
- Sheet S8-S16: Installation Details
- Sheet S17: Standard Plates

# SECTION S: PERMANENT SIGNING

Plot Scale - 1:200

Plotted From - trab17882



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### SECTION S ESTIMATE OF QUANTITIES

Bid Item Number	Item	Quantity	Unit
110E0130	Remove Traffic Sign	65	Each
632E1320	2.0"x2.0" Perforated Tube Post	482.0	Ft
632E1340	2.5"x2.5" Perforated Tube Post	24.0	Ft
632E3203	Flat Aluminum Sign, Nonremovable Copy High Intensity	145.2	SqFt
632E3205	Flat Aluminum Sign, Nonremovable Copy Super/Very High Intensity	175.9	SqFt

### GENERAL PERMANENT SIGNING NOTES

Permanent sign locations shall be staked in the field by the Contractor and checked by the Engineer. The Contractor shall give the Engineer a minimum of one week to check staked locations prior to sign/post installation.

The Contractor shall be responsible for contacting South Dakota One Call to locate the utilities at the staked sign installation locations.

Prior to ordering sign posts, the Contractor shall verify post lengths.

City street signs are to be reattached to signs as listed in the Permanent Sign Installation Table. The Contractor shall supply hardware to attach these signs. All costs for labor and hardware to reattach city street signs shall be incidental to the various signing contract items.

### REMOVE EXISTING SIGNS

Existing signs within the project limits are summarized in the Sign Table. This table provides the approximate Station location for each sign. Existing signs in the table are indicated to be removed and not reused with the exception of street signs.

All existing signs, and hardware listed to be removed shall become the property of the Contractor.

Holes remaining from the removal of 4"x6" wood sign posts shall be backfilled to the satisfaction of the Engineer and compacted with material placed in layers not to exceed 6 inches in depth.

All costs associated with the removal of existing signs, posts, and hardware shall be incidental to the contract unit price per each for "Remove Traffic Sign".

### DATE DECALS

The Contractor shall furnish and affix a date decal to each new sign installed. Date decals shall be self-adhesive weather resistant stickers with removable paper backing, approximately 2" X 2" in size. The date decal shall display the last two digits of the year the sign was manufactured with black numerals on a white background.

One decal shall be placed in the extreme lower left corner of the front of each extruded aluminum panel sign, or the extreme lower left corner of the back of each flat aluminum sign.

Sign supports or other obstructions shall not block the view of the date decal upon completion of the sign installation.

All costs to furnish and install date decals on new signs shall be incidental to the contract unit price per square foot for, "Flat Aluminum Sign, Nonremovable Copy High Intensity", or "Flat Aluminum Sign, Nonremovable Copy Super/Very High Intensity".

### NEW PERMANENT SIGNING

New signs for installation are summarized in the Sign Table.

#### Sign Design

Signs shall be constructed as required per the Manual on Uniform Traffic Control Devices (MUTCD), the latest edition of "Standard Highway Signs", and as specified on the Permanent Sign Design Layouts sheet shown in the plans.

All sign material shall comply with Section 982 of the Specifications.

All upper/lower case letters and numerals shall be as required per the MUTCD, the latest edition of "Standard Highway Signs", and as illustrated on the Permanent Sign Design Layouts sheet.

The Contractor shall furnish the Aberdeen Region Traffic Engineer (P.O. Box 1767; Aberdeen, SD 57402) with a detailed sign layout sheet for each sign shown. These detailed sign sheets shall be approved by the Region Traffic Engineer prior to ordering the signs or in Adobe PDF format.

Adobe PDF submittals shall be sent to the following email addresses:

Dan.Martell@state.sd.us

#### Sign Sheeting

Signs shall be constructed using High Intensity (ASTM D4956 Type IV) or Super/Very High Intensity (ASTM D4956 Type XI) reflective sheeting as summarized in the Permanent Sign Table.

All signs shall be manufactured in accordance with the sheeting manufacturer's recommendations utilizing a matched component system, including inks, electronic cuttable films, and protective overlay films. Digitally printed signs will not be accepted.

All black legend and borders shall be nonreflectorized (unless otherwise specified in these plans).

#### Sign Installation Hardware

Aluminum U-Channel stiffeners shall be used on all standard highway signs greater than 36 inches in width and shall conform to Alloy 6063-T6 or 6061-T6. The U-Channel shall be 2 inches in width and free of holes. The U-Channel stiffeners shall also be used to connect various signs together so that an entire sign assembly can be erected on a single installation.

Stiffeners may be fastened to signs by use of ¼ inch diameter drive rivets.

Refer to the Breakaway Sign Supports diagram for typical sign and stiffener details.

The Contractor shall use 3/8 inch diameter rust proof machine sign bolts, flat metal washers, neoprene washers (against the sign sheeting), lock washers, and nuts to fasten the sign to the channel aluminum and posts. A minimum of two bolts shall extend through each post.

All costs associated with furnishing and installing the new permanent signs and furnishing and installing stiffeners and hardware shall be incidental to the contract unit price per square foot for "Flat Aluminum Sign, Nonremovable Copy High Intensity" or "Flat Aluminum Sign, Nonremovable Copy Super/Very High Intensity".

### SQUARE TUBE ANCHOR SLEEVE

The Contractor shall furnish and install new square tube anchor sleeve as follows:

2.5" x 18", 12 Gauge square tube anchor sleeve (or equivalent components as approved by the Engineer).

A 2.25" x 2.25" x 4' perforated tube post (12 Gauge) shall be used as the anchor post for installation with the square tube anchor sleeve.

### SQUARE TUBE POST SLEEVE

All 2.5"x2.5" perforated tube post (10 Gauge) shall be sleeved with a 2 3/16"x2 3/16"x4' perforated tube post (10 Gauge).

### WINGED SLIP BASE ANCHOR

The Contractor shall furnish and install new slip based winged anchor as required per the plans.

Slip base winged anchor shall be installed using the direct drive method.

Slip base winged anchor shall consist of a slip base (upper), a 48 inch long winged anchor (lower), and a hardware kit.

## Sign Summary SD 47

Plot Scale - 1:200

Sign Code	Description	Width (Inches)	Height (Inches)	Sq. Ft.	No.	Flat Aluminum Sign, Nonremovable Copy High Intensity (SQFT)	Flat Aluminum Sign, Nonremovable Copy Super or Very High Intensity (SQFT)	Text / Background
D1-3	D Board- To SD 26/<-- Pierre / Miller-->	66	48	22.0	1	22.0		White on Green
M1-4	US 14	24	24	4.0	1	4.0		Black on White
M1-5	SD 47	24	24	4.0	2	8.0		See Standard Plate 632.20
M2-1	JCT	21	15	2.2	1	2.2		Black on White
M3-3	South	24	12	2.0	2	4.0		Black on White/Green Border
R1-1	Stop Sign	30	30	5.2	18		93.6	White on Red
R2-1	30 MPH	24	30	5.0	4	20.0		Black on White
R2-1	40 MPH	24	30	5.0	2	10.0		Black on White
R2-1	15 MPH	24	30	5.0	4	20.0		Black on White
R7-8	Handicapped Parking	12	18	1.5	2	3.0		White on Blue
R7-8:00 pm	Van Accessible	18	9	1.1	2	2.3		
R8-3	No Parking Symbol	24	24	4.0	1	4.0		Red/Black on White
R3-4	No U Turn Symbol	24	24	4.0	9	36.0		Red/Black on White
R14-4	Truck Route -->	24	18	3.0	1	3.0		Black on White
S1-1	School Crossing Symbol	36	36	6.8	5		34.0	Black on Fluorescent Yellow-Green
S4-1 P	8:00 AM to 4:00 PM	24	10	1.7	2	3.4		Black on White
S4-2 P	When Children Are Present	24	10	1.7	2	3.4		Black on White
S4-3 P	School	24	8	1.3	4		5.3	Black on Fluorescent Yellow - Green
W3-1	Stop Ahead Symbol	30	30	6.3	1		6.3	Black on Florescent Yellow
W10-1	Rail Road Crossing	36" Diameter		7.1	2		14.2	Black on Fluorescent Yellow
W11-2	Ped Sign	30	30	6.3	2		12.5	Black on Fluorescent Yellow
W16-7 P	Downward Pointing Arrow	24	12	2.0	3		6.0	Black on Fluorescent Yellow
W16-9 P	Ahead	24	12	2.0	2		4.0	Black on Fluorescent Yellow
<b>Totals</b>						<b>145.2</b>	<b>175.9</b>	

Plotted From - trab12222

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### SD 47 Permanent Sign Installation Table

Plot Scale - 1:200

Plotted From - trab12222

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Station	Side of Road	Description	Sign Code	Width (Inches)	Height (Inches)	High Intensity (SQFT)	Super or Very High Intensity (SQFT)	2.0"x2.0" Perforated Tube Post 12 ga. (FT)	2.5"x2.5" Perforated Tube Post 10 Ga. (FT)	(N.A.B.I.) Square Tube Anchor Sleeve (Each)	(N.A.B.I.) 48" Winged Slip Base Anchor (Each)	Remove Traffic Sign (Each)	Direction Sign Faces	Current Type of Post	Remarks
10+35	Lt	Stop Sign	R1-1	30	30		5.2	9		1		1	W	U-Channel	
10+85	Rt	Stop Sign	R1-1	30	30		5.2	9		1		1	E	U-Channel	
11+13	Rt	Swimming Pool										1	S	Square Tube	With Flasher Unit Replace Ped Sign
11+13	Rt	Ped Sign	W11-2	30	30		6.3	11		1			S		New Sign Install
16+15	Lt	30 MPH	R2-1	24	30	5.0		9		1		1	N	U-Channel	
16+94	Rt	No U turn symbol	R3-4	24	24	4.0		9		1		1	S	Square Tube	
17+58	Rt	Stop Sign	R1-1	30	30		5.2	9		1		1	E	Mounted on Utility Pole	With City Street Signs
17+64	Rt	School Crossing Sign	S1-1	36	36		6.8	11		1		1	S	Square Tube	With Flasher Unit
		Ahead	W16-9 P	24	12		2.0				1				
17+65	Lt	No U turn symbol	R3-4	24	24	4.0		9		1		1	S	U-Channel	
17+65	Lt	Swimming Pool										1	N	Square Tube	With Flasher Unit Replace Ped Sign
17+65	Lt	Ped Sign	W11-2	30	30		6.3	11		1			N		New Sign Install
19+54	Rt	School	S4-3 P	24	8		1.3	9		1		1	S	U-Channel	
		15 MPH	R2-1	24	30	5.0									
		When Children Are Present	S4-2 P	24	10	1.7									
20+85	Rt	School Crossing Sign	S1-1	36	36		6.8	11		1		1	S	U-Channel	
		Downward Pointing Arrow	W16-7 P	24	12		2.0				1				
20+88	Lt	Stop Sign	R1-1	30	30		5.2	9		1		1	W	U-Channel	With City Street Signs
21+42	Rt	Stop Sign	R1-1	30	30		5.2	9		1		1	E	U-Channel	With City Street Signs
21+50	Lt.	School	S4-3 P	24	8		1.3	11		1		1	E	U-Channel	
		15 MPH	R2-1	24	30	5.0									
		8:00 AM to 4:00 PM	S4-1 P	24	10	1.7									

### SD 47 Permanent Sign Installation Table

Plot Scale - 1:200

Station	Side of Road	Description	Sign Code	Width (Inches)	Height (Inches)	High Intensity (SQFT)	Super or Very High Intensity (SQFT)	2.0"x2.0" Perforated Tube Post 12 ga. (FT)	2.5"x2.5" Perforated Tube Post 10 Ga. (FT)	(N.A.B.I.) Square Tube Anchor Sleeve (Each)	(N.A.B.I.) 48" Winged Slip Base Anchor (Each)	Remove Traffic Sign (Each)	Direction Sign Faces	Current Type of Post	Remarks
21+65	Lt	No U turn symbol	R3-4	24	24	4.0		9		1		1	N	Square Tube	
24+32	Rt	No Parking Symbol	R8-3	24	24	4.0		9		1		1	S	U-Channel	
24+47	Rt	School Crossing Sign	S1-1	36	36		6.8	11		1		1	S	Square Tube	
		Downward Pointing Arrow	W16-7 P	24	12		2.0								
24+47	Rt	No U turn symbol	R3-4	24	24	4.0		9		1		1		Square Tube	Move North of Intersection
24+73	Lt	Stop Sign	R1-1	30	30		5.2	9		1		1	W	U-Channel	With City Street Signs
25+20	Rt	Stop Sign	R1-1	30	30		5.2	9		1		1	E	U-Channel	
25+25	Lt	School	S4-3 P	24	8		1.3	11		1		1	E	U-Channel	
		15 MPH	R2-1	24	30		5.0								
		8:00 AM to 4:00 PM	S4-1 P	24	10		1.7								
25+40	Lt	School Crossing Sign	S1-1	36	36		6.8	11		1		1	N	U-Channel	Move Assembly to the South Side of the Intersection
		Downward Pointing Arrow	W16-7 P	24	12		2.0								New Sign Install
25+40	Lt	No U turn symbol	R3-4	24	24	4.0		9		1		1		Square Tube	
26+00	Rt	30 MPH	R2-1	24	30		5.0	9		1					New Sign Install
26+87	Lt	School	S4-3 P	24	8		1.3	9		1		1	N	Mounted on Utility Pole	
		15 MPH	R2-1	24	30		5.0								
		When Children Are Present	S4-2 P	24	10		1.7								
28+82	Rt	No U turn symbol	R3-4	24	24	4.0		9		1		1	S	Square Tube	
28+83	Lt	School Crossing Sign	S1-1	36	36		6.8	11		1		1	N		With Flasher Unit
		Ahead	W16-9 P	24	12		2.0								
28+93	Lt	Stop Sign	R1-1	30	30		5.2	9		1		1	W	U-Channel	With City Street Signs

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### SD 47 Permanent Sign Installation Table

Plot Scale - 1:200

Plotted From - tab12222

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Station	Side of Road	Description	Sign Code	Width (Inches)	Height (Inches)	High Intensity (SQFT)	Super or Very High Intensity (SQFT)	2.0"x2.0" Perforated Tube Post 12 ga. (FT)	2.5"x2.5" Perforated Tube Post 10 Ga. (FT)	(N.A.B.I.) Square Tube Anchor Sleeve (Each)	(N.A.B.I.) 48" Winged Slip Base Anchor (Each)	Remove Traffic Sign (Each)	Direction Sign Faces	Current Type of Post	Remarks
29+49	Rt	Stop Sign	R1-1	30	30		5.2	9		1		1	E	U-Channel	With City Street Signs
29+63	Lt	No U turn symbol	R3-4	24	24	4.0		9		1		1	N	Square Tube	
31+05	Rt	Handicapped Parking	R7-8	12	18	1.5		7		1		1	W	Luminare Pole	
	Rt	Van Accessible	R7-8p	18	9	1.1						1	W		
33+10	Rt	No Trucks						7		1		1	W	Luminare Pole	Reset Sign On New Post (incidental to the cost of the post)
33+23	Lt	Stop Sign	R1-1	30	30		5.2	9		1		1	W	U-Channel	
33+82	Rt	Stop Sign	R1-1	30	30		5.2	9		1		1	E	Mounted on Utility Pole	With City Street Signs
36+63	Lt	Handicapped Parking	R7-8	12	18	1.5		7		1		1	E	U-Channel	
	Lt	Van Accessible	R7-8p	18	9	1.1						1	E		
36+97	Rt	Stop Sign	R1-1	30	30		5.2	9		1		1	W	U-Channel	With City Street Signs
37+16	Lt	Stop Sign	R1-1	30	30		5.2	9		1		1	E	U-Channel	
37+70	Lt	No U turn symbol	R3-4	24	24	4.0		9		1		1	N	Square Tube	
37+70	Lt	30 MPH	R2-1	24	30	5.0						1	N	Mounted on Utility Pole	Remove Do Not Replace
39+04	Rt	Rail Road Crossing	W10-1	36 Diameter			7.1	9		1		1	S	Mounted on Utility Pole	Mounted on Light Pole
39+35	Lt	South	M3-3	24	12	2.0						1	N	Mounted on Utility Pole	Remove Do Not Replace
		SD 47	M1-5	24	24	4.0						1			
39+52	Rt	Truck Route -->	R14-1	24	18	3.0						1	S	Square Tube	
		No U turn symbol	R3-4	24	24	4.0		9		1		1			
39+58	Lt	Stop Sign	R1-1	30	30		5.2	9		1		1	W	U-Channel	
40+04	Rt	Stop Sign	R1-1	30	30		5.2	9		1		1	E	U-Channel	
42+12	Rt	Stop Sign	R1-1	30	30		5.2	9		1		1	E	U-Channel	

### SD 47 Permanent Sign Installation Table

Plot Scale - 1:200

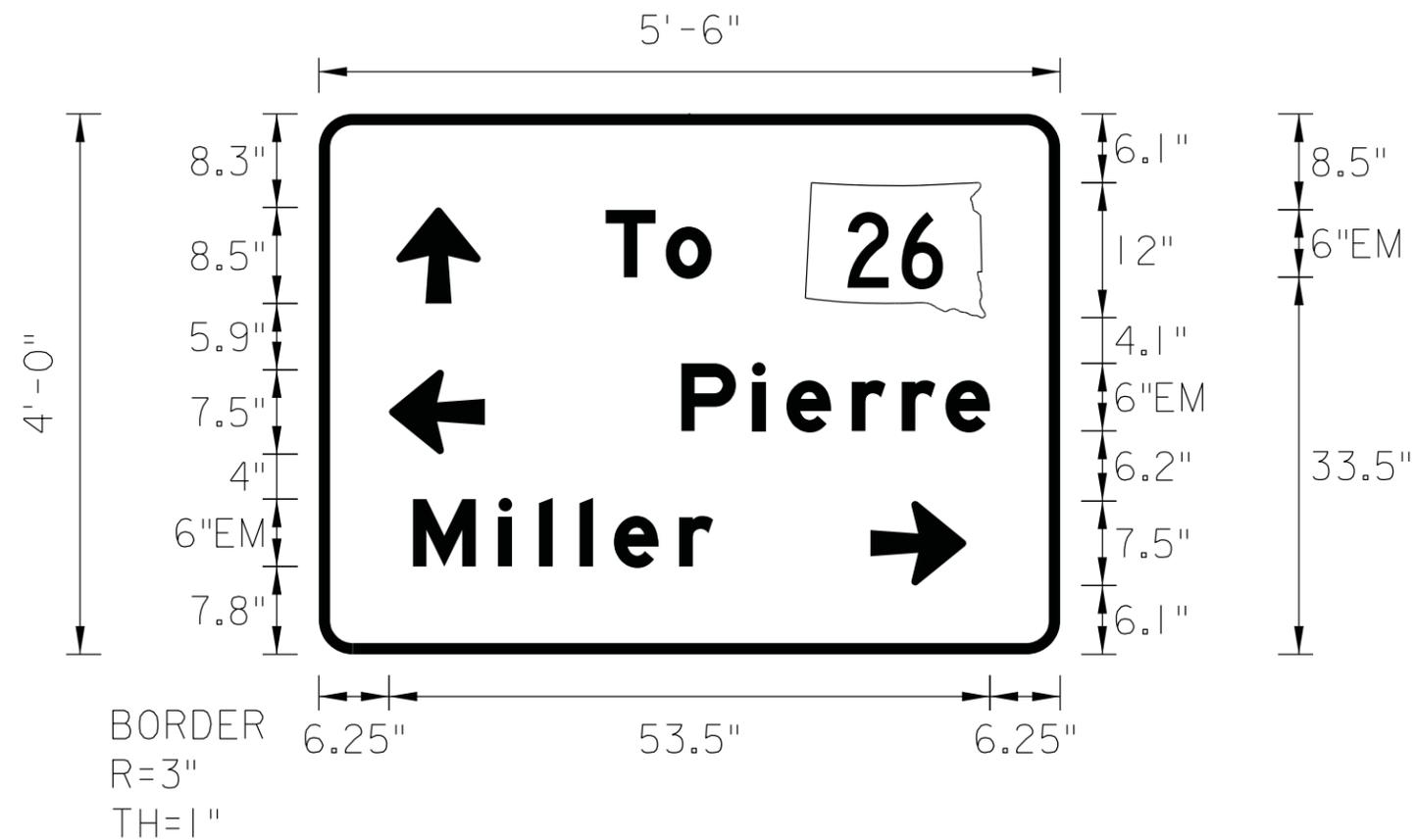
Station	Side of Road	Description	Sign Code	Width (Inches)	Height (Inches)	High Intensity (SQFT)	Super or Very High Intensity (SQFT)	2.0"x2.0" Perforated Tube Post 12 ga. (FT)	2.5"x2.5" Perforated Tube Post 10 Ga. (FT)	(N.A.B.I.) Square Tube Anchor Sleeve (Each)	(N.A.B.I.) 48" Winged Slip Base Anchor (Each)	Remove Traffic Sign (Each)	Direction Sign Faces	Current Type of Post	Remarks
42+40	Lt	Rail Road Crossing	W10-1	36 Diameter			7.1	9		1		1	N	Wood	
46+31	Rt	40 MPH	R2-1	24	30	5.0		9		1		1	S	Square Tube	
46+34	Lt	30 MPH	R2-1	24	30	5.0		9		1		1	N	Square Tube	
46+56	Lt	Stop Sign	R1-1	30	30		5.2	9		1		1	W		
51+15	Rt	Stop Ahead Symbol	W3-1	30	30		6.3	9		1		1	S	Wood	
54+63	Rt	JCT	M2-1	21	15	2.2		10		1		1	S	U-Channel	
		US 14	M1-4	24	24	4.0					1	S			
58+42	Rt	D Board- To SD 26/<-- Pierre / Miller-->	D1-3	66	48	22.0			24		2	1	S	2-4"X6" Wood	
58+54	Lt	40 MPH	R2-1	24	30	5.0		9		1		1	N	U-Channel	
58+78.53	Lt	Stop Sign	R1-1	30	30		5.2	9		1		1	W	U-Channel	
59+65	Lt	South	M3-3	24	12	2.0		10		1			N		New Sign Install
		SD 47	M1-5	24	24	4.0									
<b>TOTALS</b>						145.2	175.9	482	24	52	2	67			

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STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	P 0047(18)136	S8	S17
Plotting Date: 11/27/2013			

# SPECIAL SIGN DESIGN

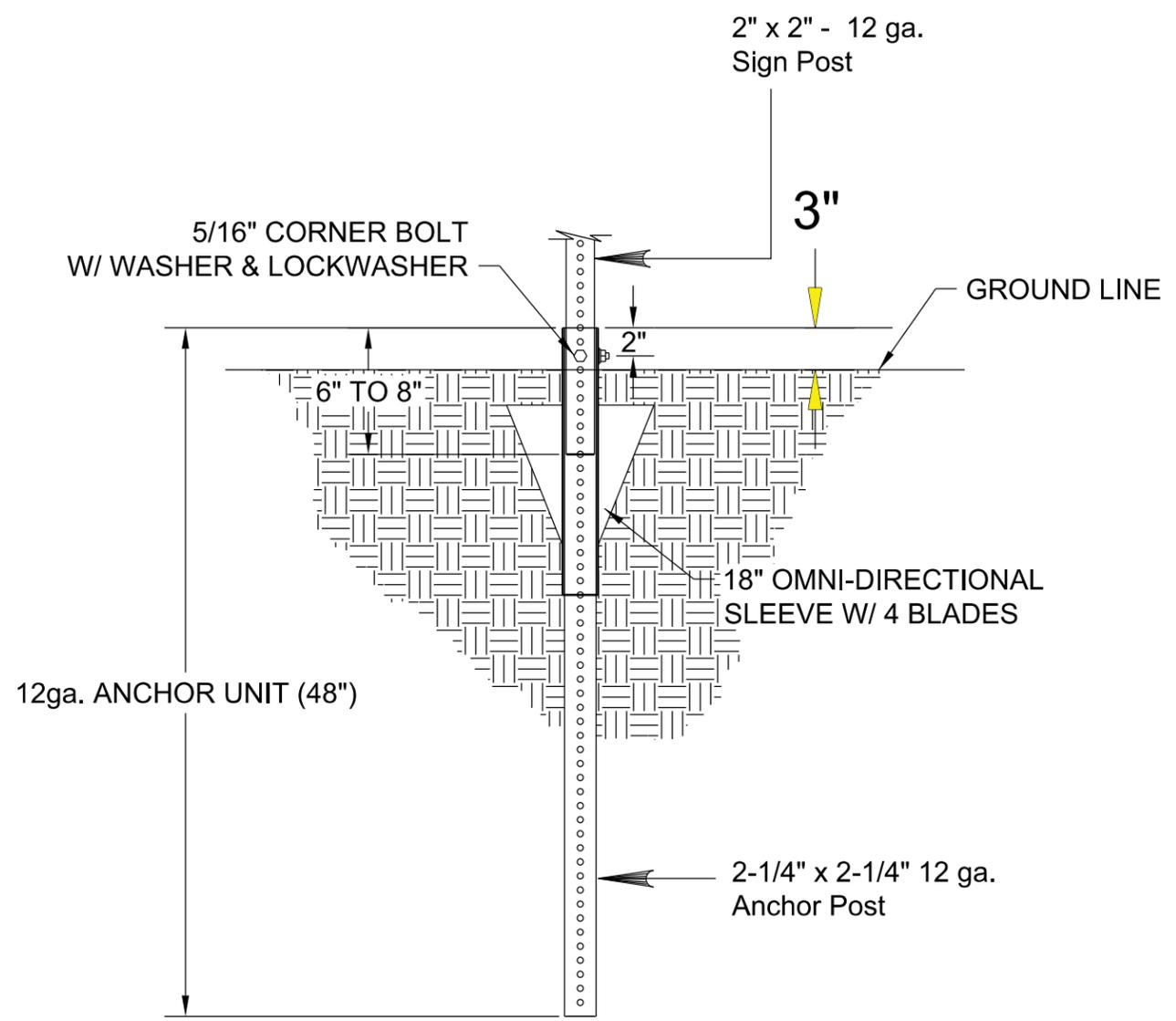


All signs on this sheet shall have a green background with white legend and white border

STATE OF SOUTH DAKOTA	PROJECT P 0047(18)136	SHEET S9	TOTAL SHEETS S17
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Plotting Date: 11/25/2013

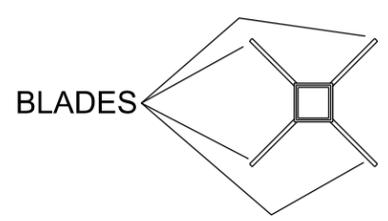
# SQUARE TUBE 4 BLADE ANCHOR DETAIL



2-1/2" x 18" OMNI-ANCHOR SLEEVE FOR SOIL STABILIZATION.

ANCHOR SLEEVE TOP VIEW

2-1/2" x 18" 12 ga. Omni-Sleeve

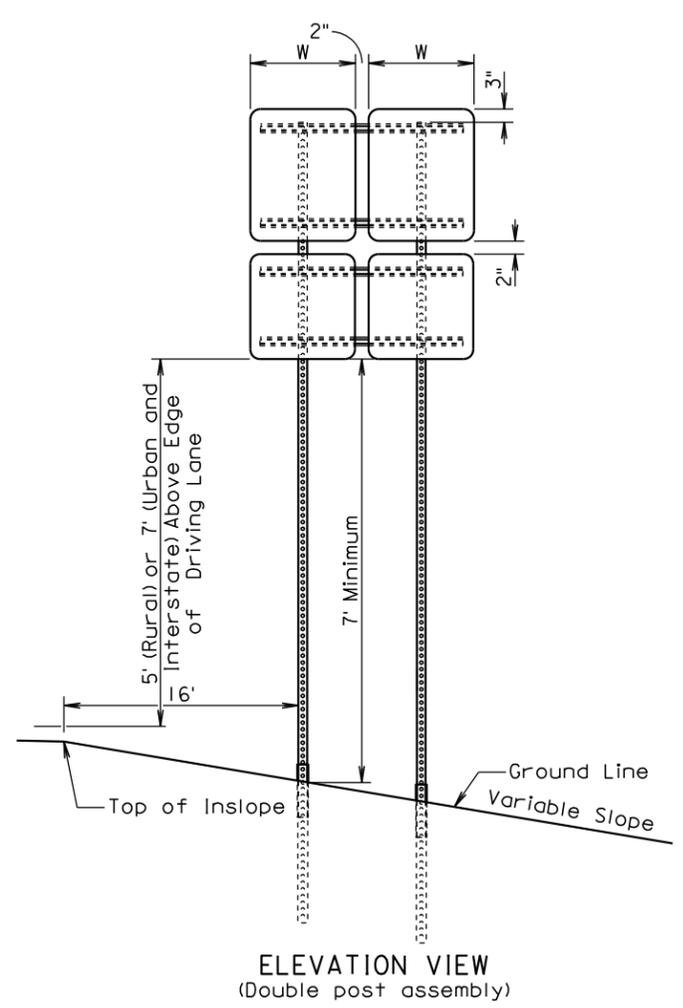
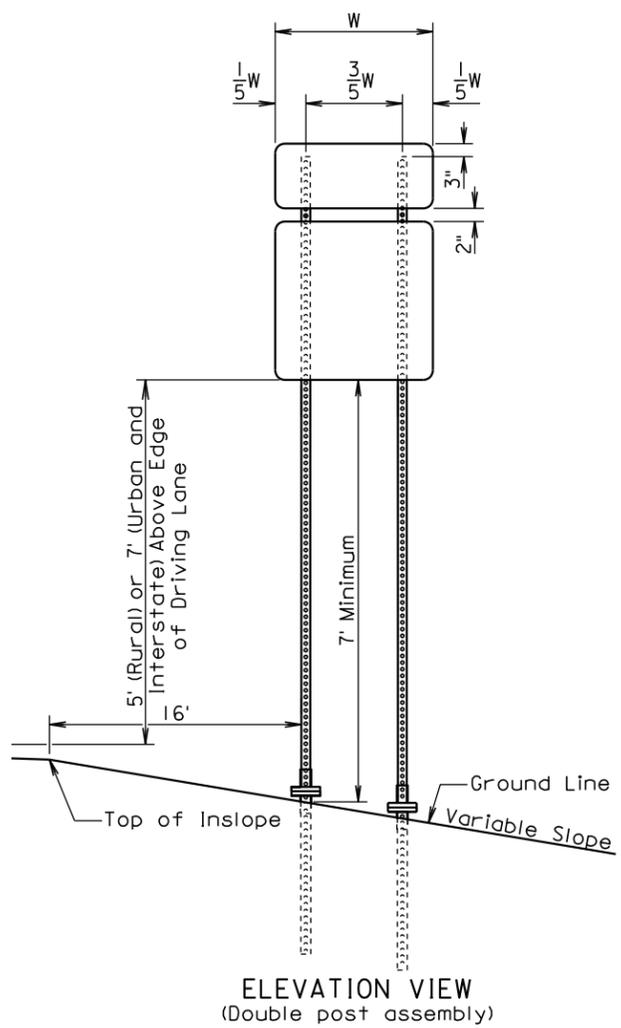
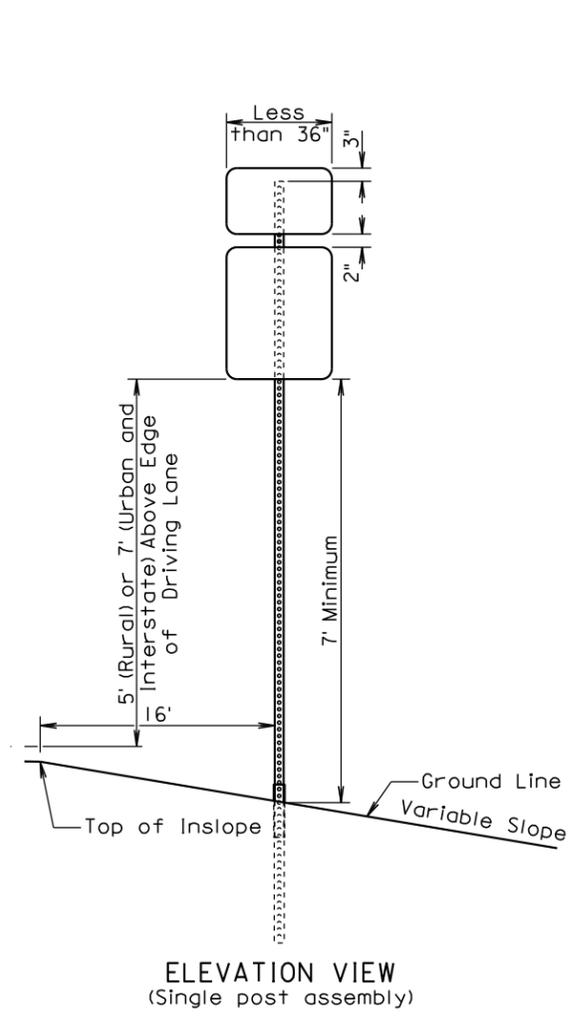


Plot Scale - 1:200

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# INSTALLATION DETAILS FOR MULTIPLE SIGN ASSEMBLIES



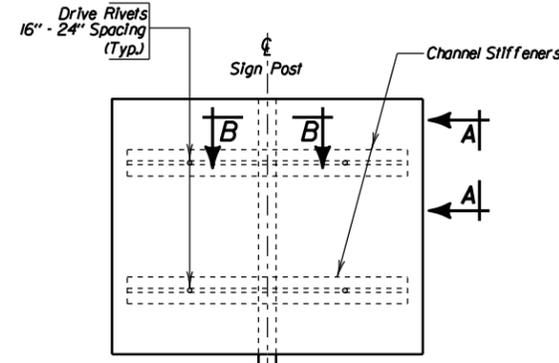
**GENERAL NOTES:**

The sign posts and bases shown are for illustrative purpose. The post type required shall be the type specified in the plans.

All breakaway sign supports shall comply with NCHRP 350 or MASH crash testing requirements and FHWA requirements. The Contractor shall provide post installation details at the preconstruction meeting for all breakaway sign support assemblies.

# ONE POST BREAKAWAY SIGN SUPPORTS

# TWO POST BREAKAWAY SIGN SUPPORTS

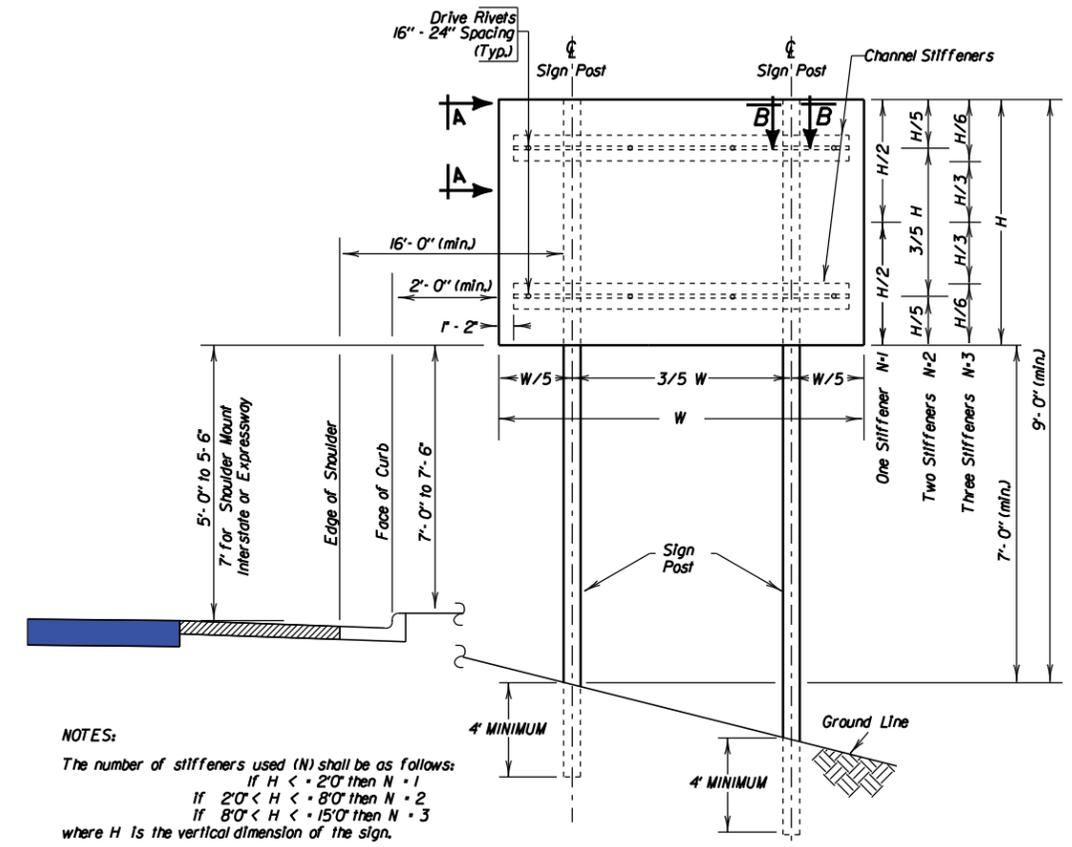
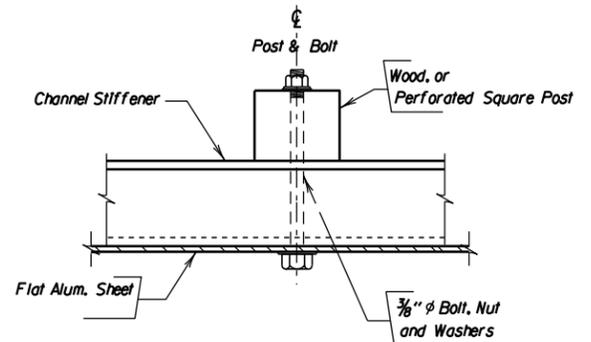
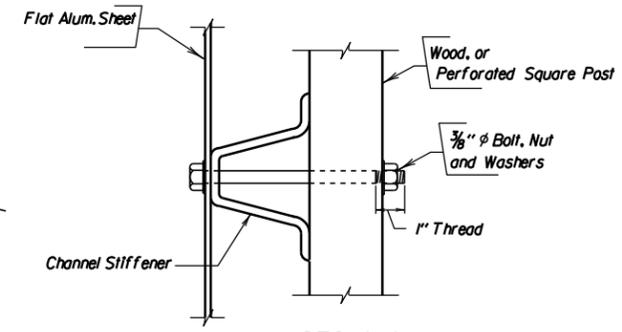
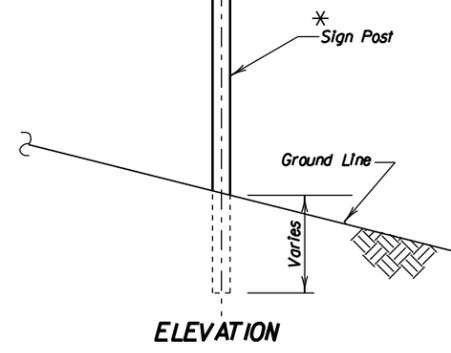


∅ A plastic washer, as recommended by the sheeting manufacturer, shall be installed between the sign face and the metal washer shown.

Height and lateral distance as recommended by latest edition of MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

\* Single post installation shown. (See applicable Details or Standard Plates shown in these plans for multiple post spacing requirements.)

## (Typical Sign and Stiffener Details)



NOTES:

The number of stiffeners used (N) shall be as follows:

- If  $H < 2'0"$  then  $N = 1$
- If  $2'0" < H < 8'0"$  then  $N = 2$
- If  $8'0" < H < 15'0"$  then  $N = 3$

where H is the vertical dimension of the sign.

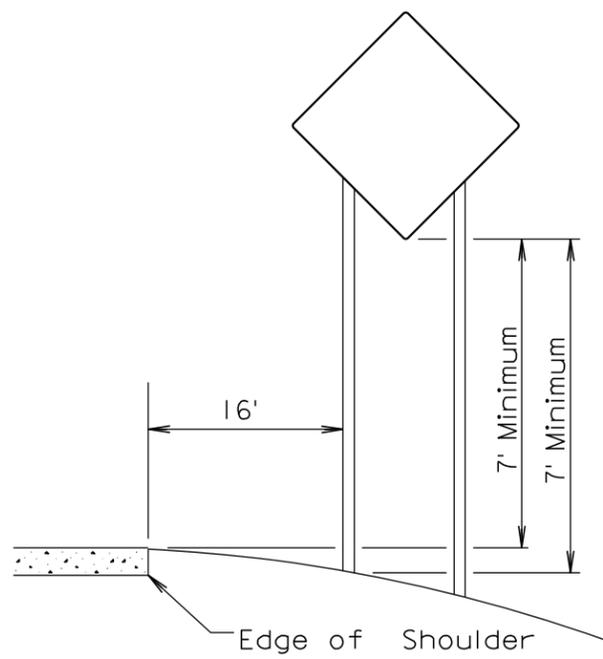
A minimum of two bolts shall be required to fasten the sign to each post.

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	P 0047(18)136	S12	S17

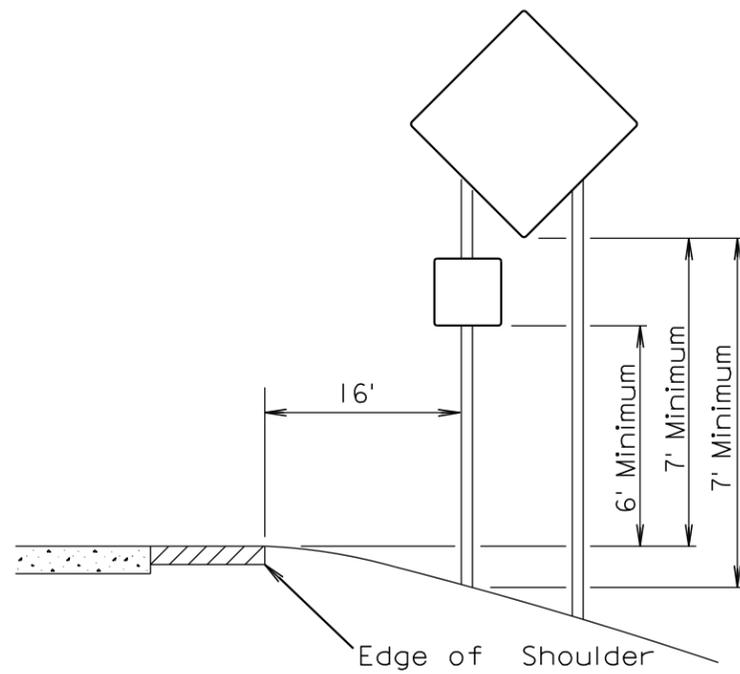
Plotting Date: 11/25/2013

# SIGN SUPPORTS (Lateral Off-Sets)

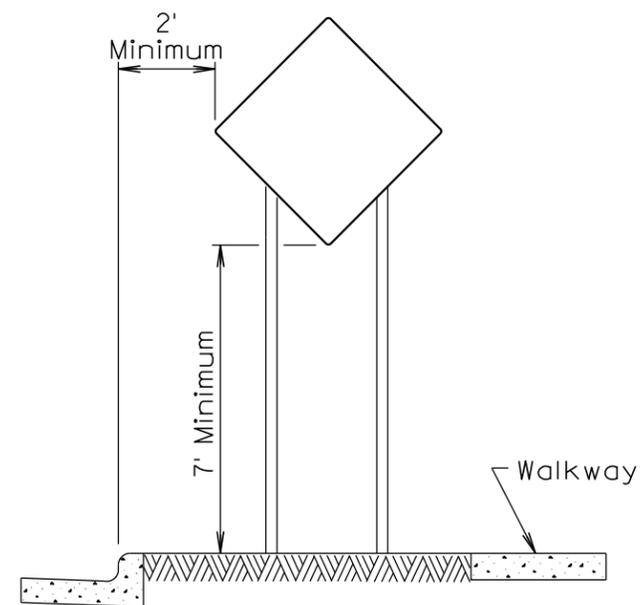
Plot Scale - 1:200



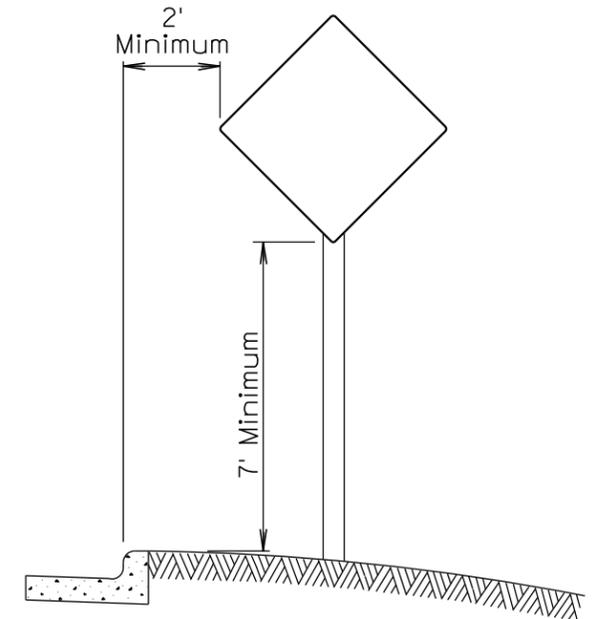
RURAL DISTRICT



RURAL DISTRICT WITH  
SUPPLEMENTAL PLATE



URBAN DISTRICT



URBAN DISTRICT

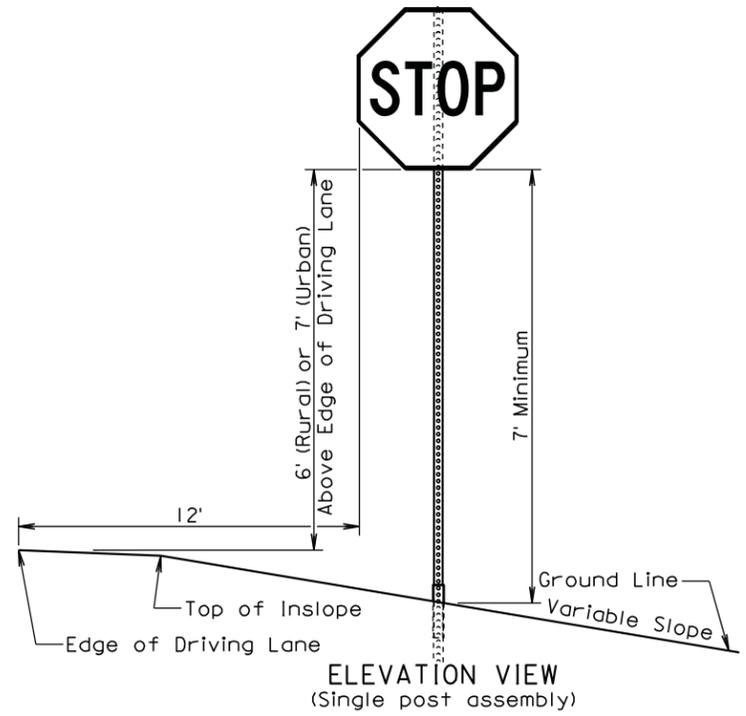
Plotted From - trab12222

File - ...region\pjhHyde6161\title.dgn

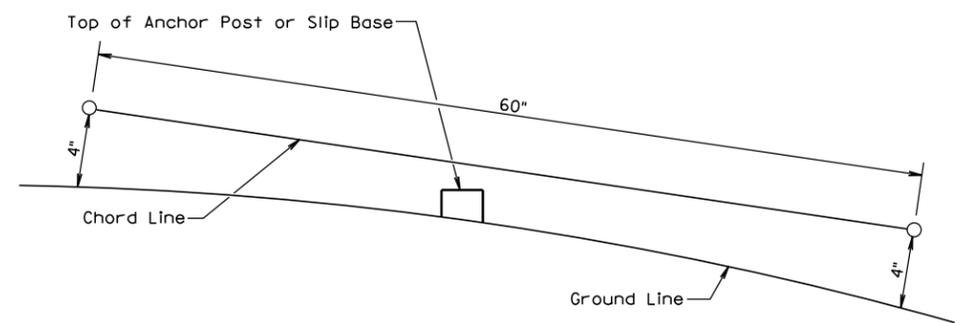
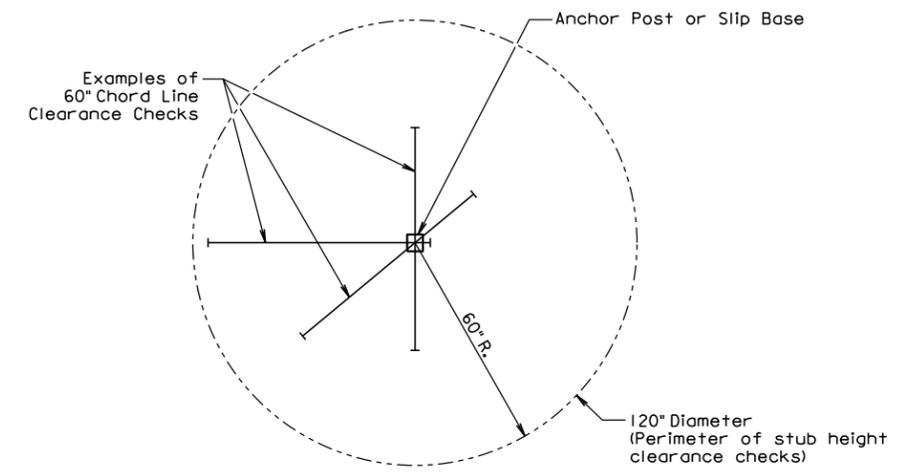
STATE OF SOUTH DAKOTA	PROJECT P 0047(18)136	SHEET S13	TOTAL SHEETS S17
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Plotting Date: 11/25/2013

# INSTALLATION DETAILS FOR STOP SIGNS



# BREAKAWAY SUPPORT STUB CLEARANCE



**GENERAL NOTES:**  
The top of anchor posts and slip bases SHALL NOT extend above a 60" chord line within a 120" diameter circle around the post with ends 4" above the ground.  
At locations where there is curb and gutter adjacent to the breakaway sign support, the stub height shall be a maximum of 4" above the ground line at the localized area adjacent to the breakaway support stub.

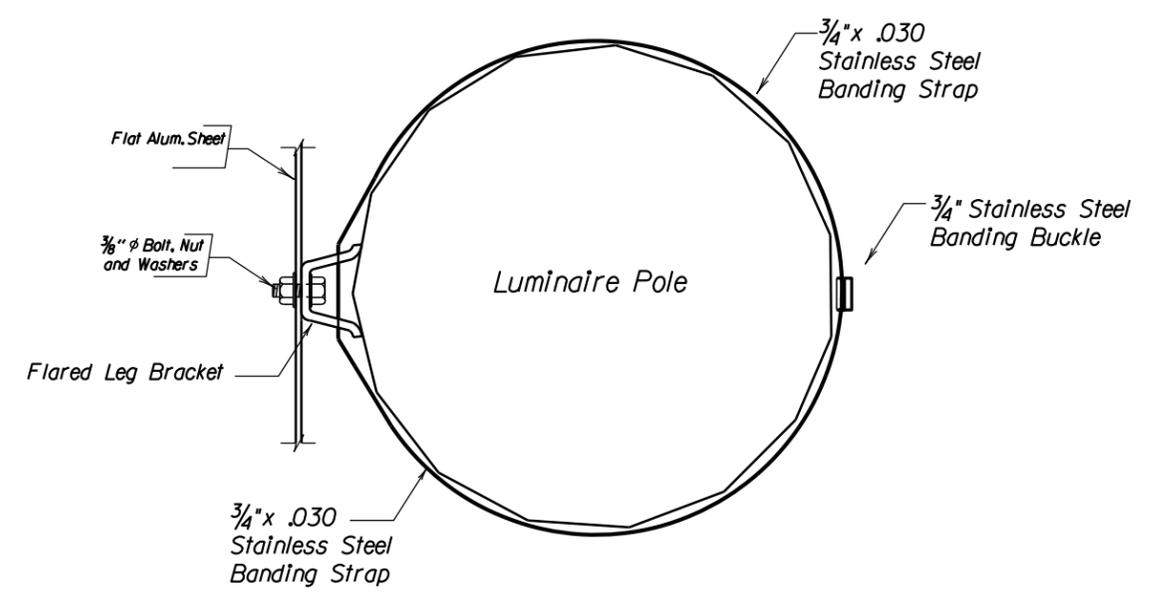
Plot Scale - 1:200

Plotted From - trab12222

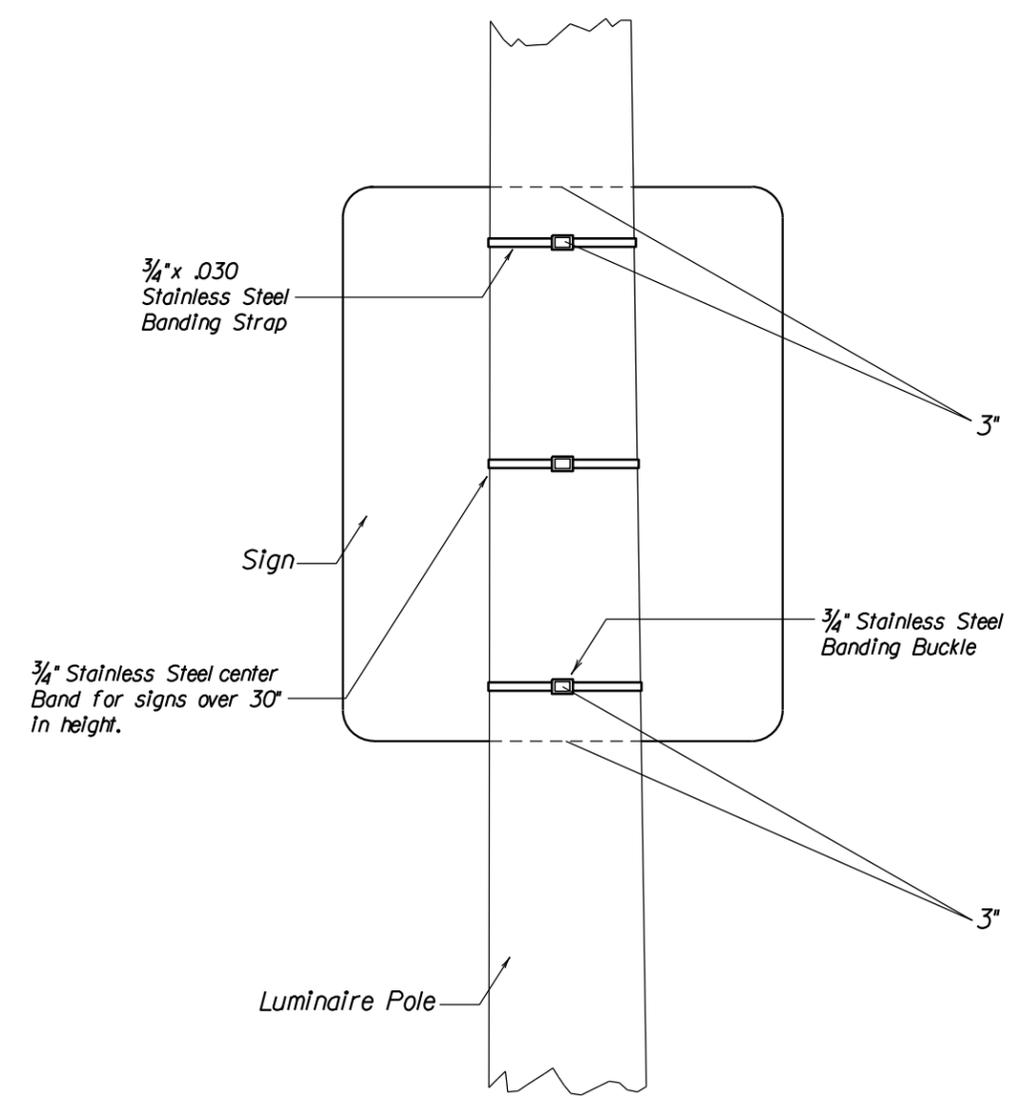
File - ...region\proj\Hyd66161\title.dgn

# SIGN BANDING TO LUMINAIRE/SIGNAL POLE

*Top View*



*Back View*

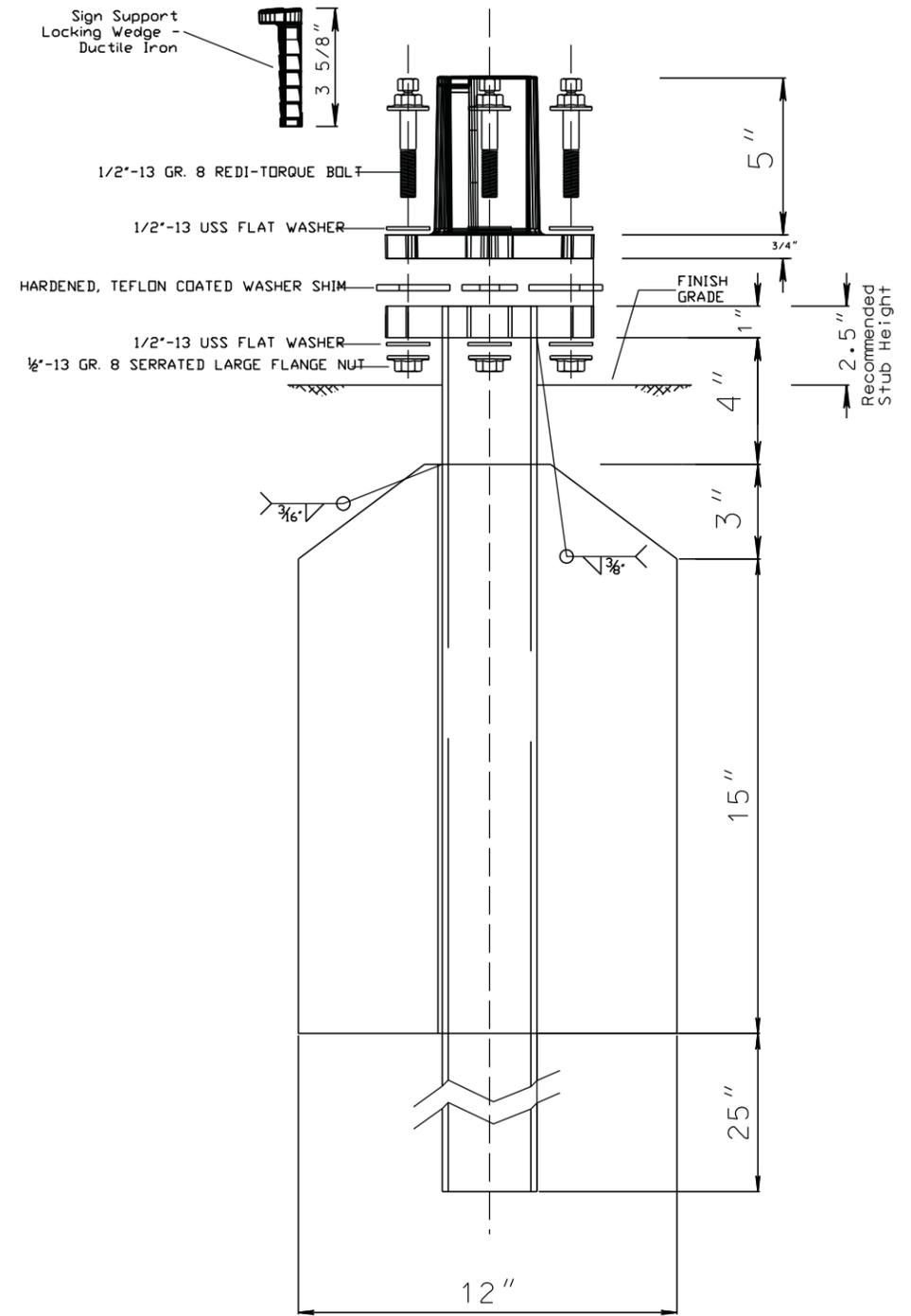


∅ A plastic washer, as recommended by the sheeting manufacture, shall be installed between the sign face and the metal washer shown.

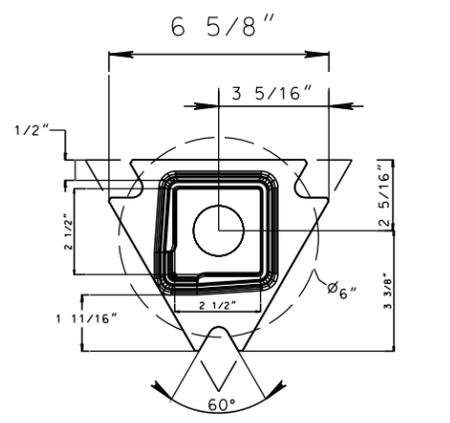
Plot Scale - 1:200

Plotted From - trab12222

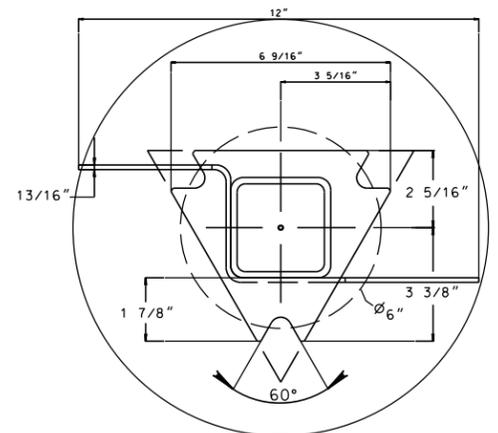
# 48" WINGED ANCHOR SLIP BASE



TOP POST RECEIVER for 2-1/2" SQUARE POST

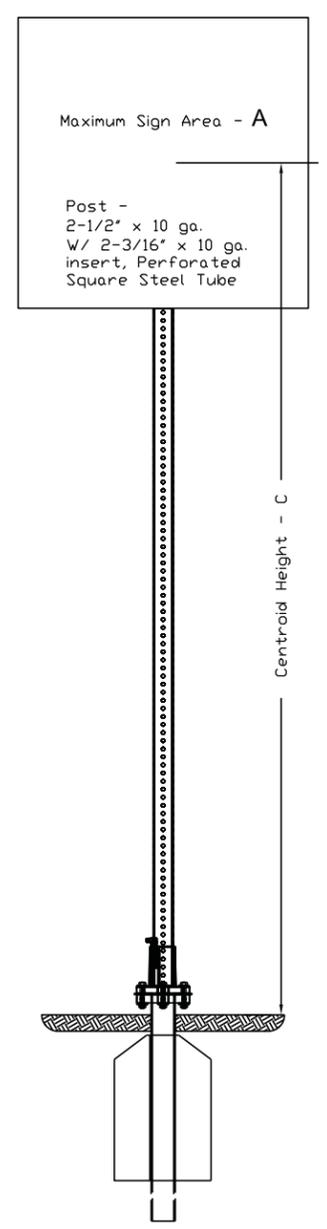


BOTTOM UNIBASE SOIL STUB

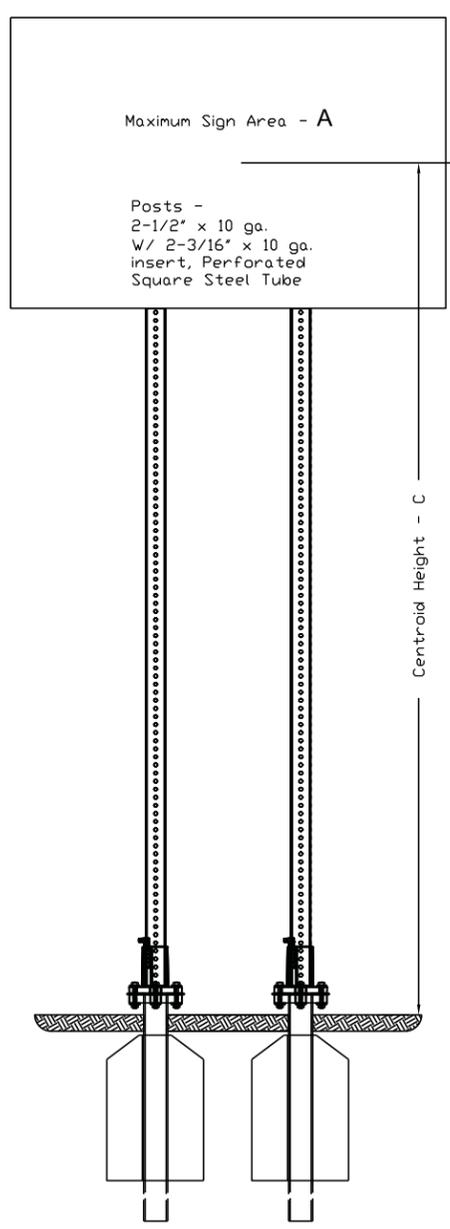


# 48" WINGED SLIP BASE

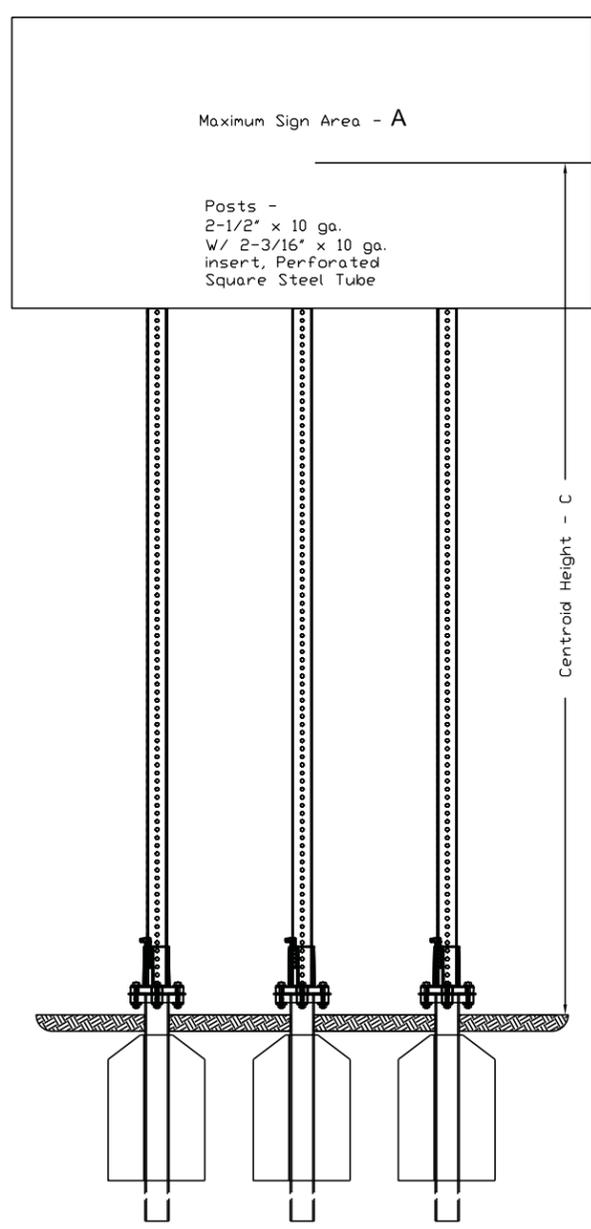
## Post and Wind Load Information



centroid - C	Maximum Sign Area - A
8 ft.	42 ft <sup>2</sup>
9 ft.	38 ft <sup>2</sup>
10 ft.	34 ft <sup>2</sup>
11 ft.	30 ft <sup>2</sup>
12 ft.	28 ft <sup>2</sup>
13 ft.	26 ft <sup>2</sup>
14 ft.	24 ft <sup>2</sup>
15 ft.	22 ft <sup>2</sup>
16 ft.	20 ft <sup>2</sup>



centroid - C	Maximum Sign Area - A
8 ft.	84 ft <sup>2</sup>
9 ft.	76 ft <sup>2</sup>
10 ft.	68 ft <sup>2</sup>
11 ft.	60 ft <sup>2</sup>
12 ft.	56 ft <sup>2</sup>
13 ft.	52 ft <sup>2</sup>
14 ft.	48 ft <sup>2</sup>
15 ft.	44 ft <sup>2</sup>
16 ft.	40 ft <sup>2</sup>



centroid - C	Maximum Sign Area - A
8 ft.	126 ft <sup>2</sup>
9 ft.	114 ft <sup>2</sup>
10 ft.	102 ft <sup>2</sup>
11 ft.	90 ft <sup>2</sup>
12 ft.	84 ft <sup>2</sup>
13 ft.	78 ft <sup>2</sup>
14 ft.	72 ft <sup>2</sup>
15 ft.	66 ft <sup>2</sup>
16 ft.	60 ft <sup>2</sup>

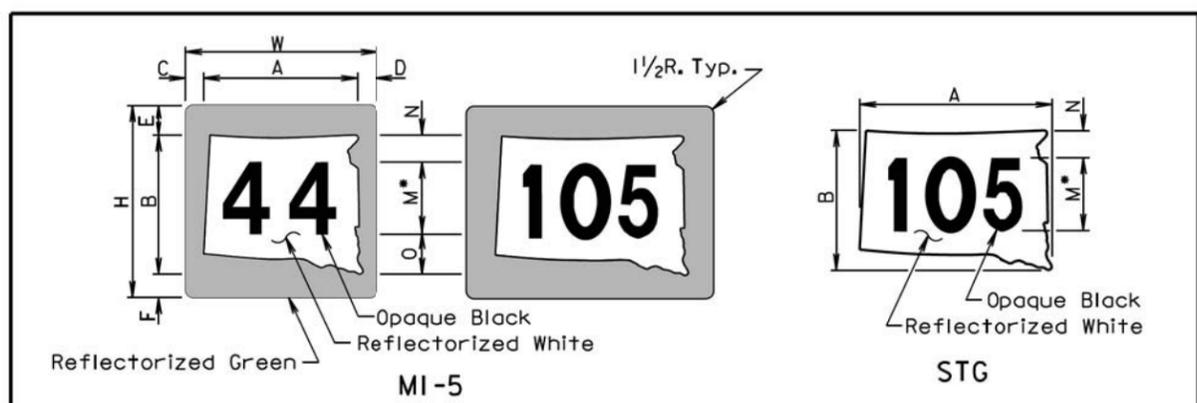
Plot Scale - 1:200

Plotted From - trab12222

PLOT SCALE - 1:200

PLOT NAME - 2

FILE - ... \SECTION S\63220 & BLANK.DGN

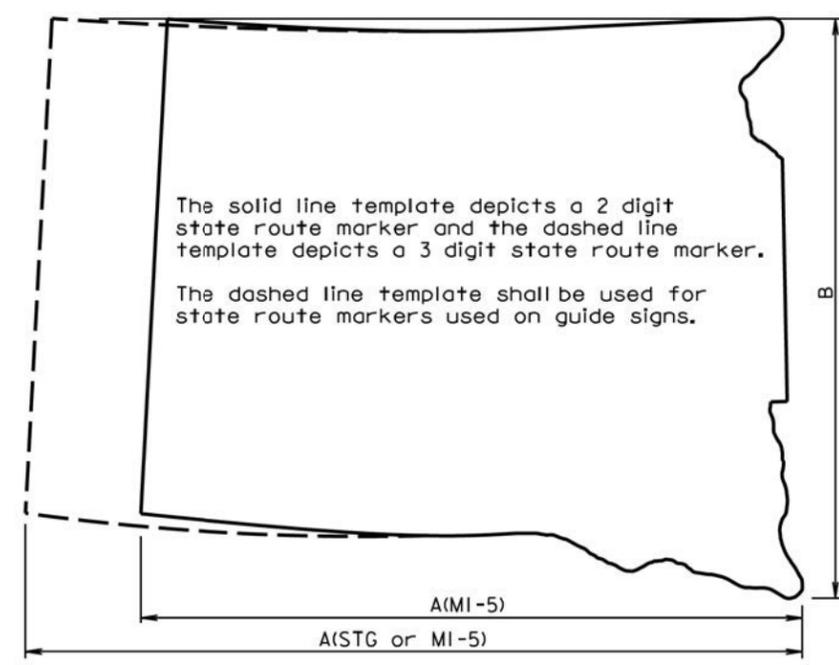


SIGN CODE	WxH	A	B	C	D	E	F	M*	N	O
MI-5	24x24	20 1/2	18	2	1 1/2	3 1/2	2 1/2	12D	2	4
MI-5**	30x24	24	18	2 1/4	1 3/4	3 1/2	2 1/2	12D	2	4
MI-5	30x30	25 5/8	22 1/2	2 1/2	1 7/8	4 3/8	3 1/8	15D	2 1/2	5
MI-5	36x36	30 3/4	27	3	2 1/4	5 1/4	3 3/4	18D	3	6

SIGN CODE	AxB	M*	N
STG-24	24x18	10D	4
STG-32	32x24	12D	4 3/4
STG-48	48x36	18D	7
STG-64	64x48	24D	9 1/2

\*In the few cases where there is not enough space for the numerals, the standard "D" series font may be replaced with "C" series font if approved by the Engineer.

\*\* 3 Digits



TEMPLATE FOR STATE ROUTE MARKER

GENERAL NOTES:

The unit for all dimensions shown is inches.  
 Numerals shall be "D" series font for all state route markers except as noted above.

December 23, 2003

Published Date: 2nd Qtr. 2014	S D D O T	STATE ROUTE MARKERS	PLATE NUMBER 632.20
			Sheet 1 of 1