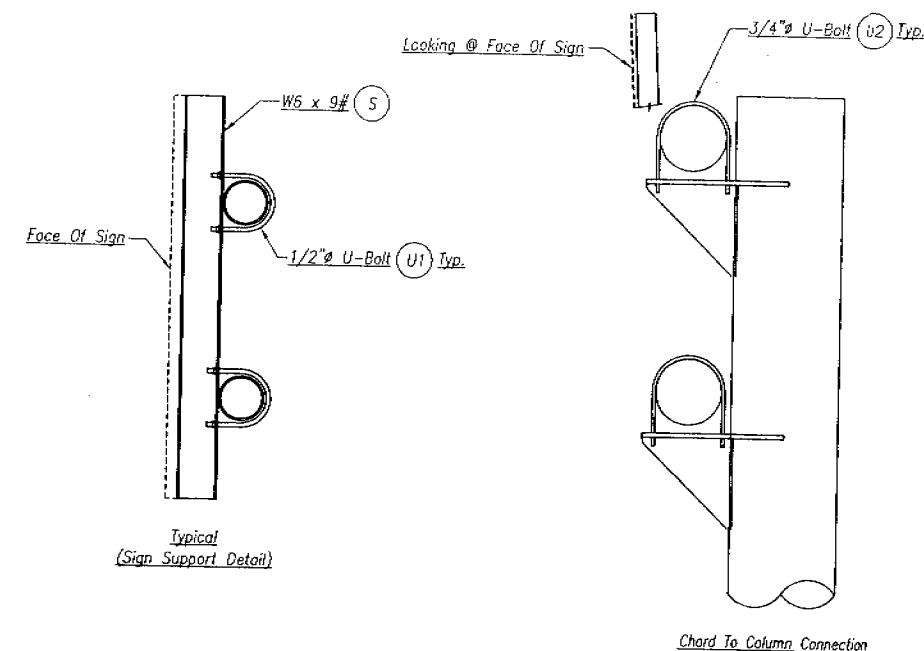
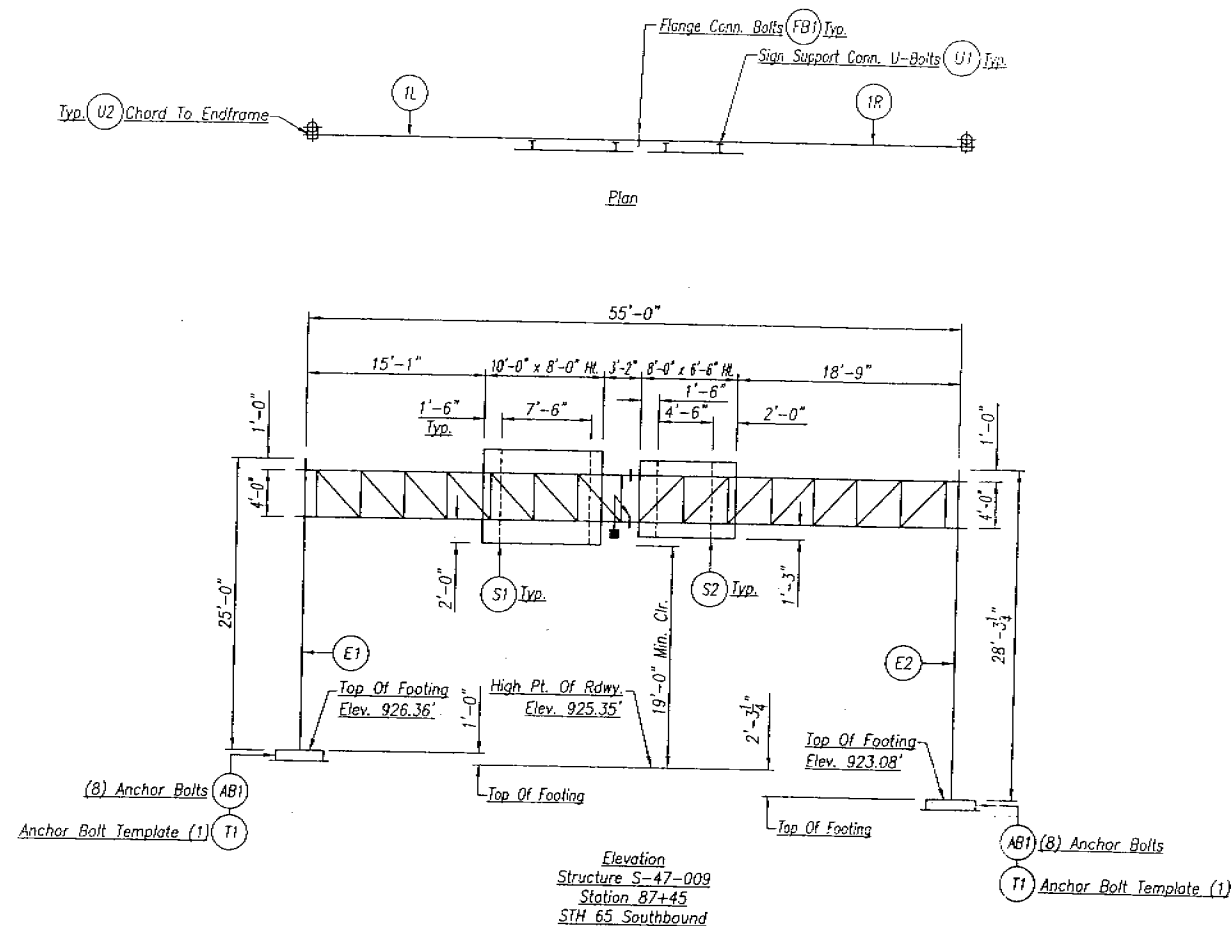
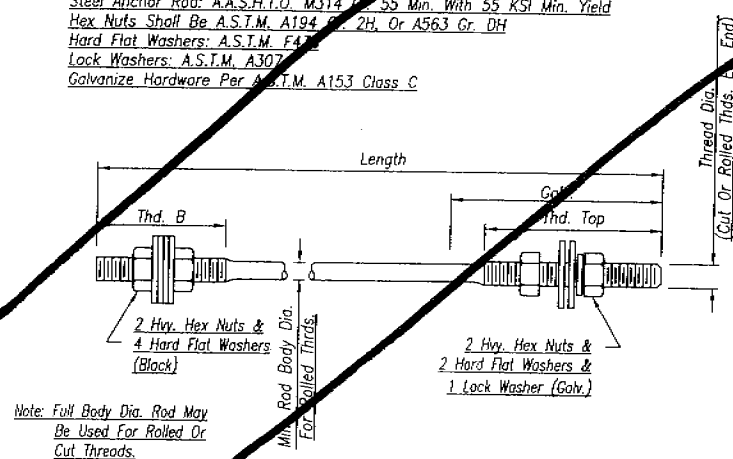




MATERIAL SPECIFICATIONS:

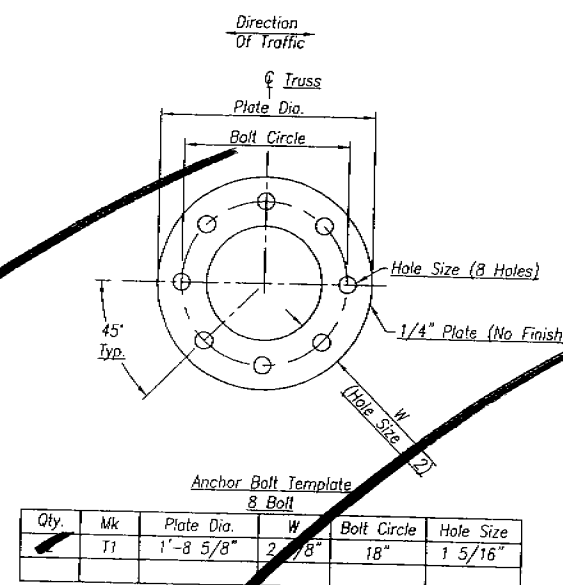
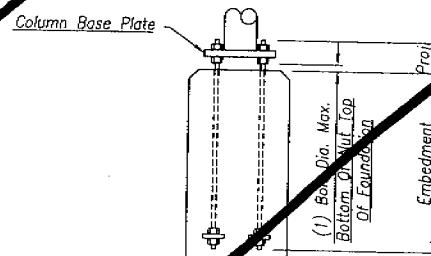
Steel Plate: A.S.T.M. A709 Gr.36
Steel Anchor Rod: A.A.S.H.T.O. M314 Gr. 55 Min. With 55 KSI Min. Yield
Hex Nuts Shall Be A.S.T.M. A194 Gr. 2H, Or A563 Gr. DH
Hard Flat Washers: A.S.T.M. F42
Lock Washers: A.S.T.M. A307
Galvanize Hardware Per A.S.T.M. A153 Class C



Qty.	Mk	Length	Thread Dia.	Rod Body Dia.	Thread Top	Thread B	Galv.	Embed.	Proj.
2	AB1	3'-7"	1 1/4"	1.1476"	9"	4 1/4"	1"	2'-11"	8"

Anchor Bolt Nut Tightening:

The Anchor Bolts Shall Be Tightened Using The WIDOT Road And Bridge Specifications Installation Procedure.



NOTE:

Truss MK NO's. On The Spliced Structures Are On The Top Of The Flange Plate

NOTE: Elevations Have Been Verified By Contractor.

Wind Design Velocity = 90 MPH
Ice Loading = 3.00 PSF

Pay Item:

1 Ea. ~ Overhead Sign Structure S-47-009

PRINTS ISSUED				REVISIONS			
FOR	NO.	DATE	FOR	NO.	DATE	NO.	DATE

Brookfield Fabricating Corp

P.O. Box 406 - Brookfield, Missouri 64628 - (660)258-2214

Customer: Fencing Plus

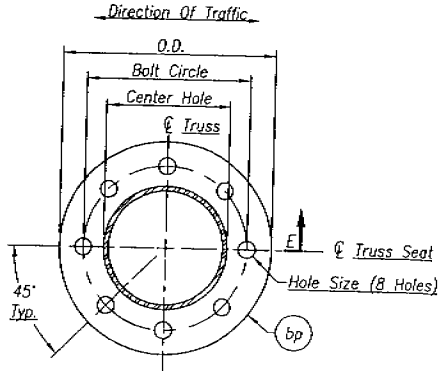
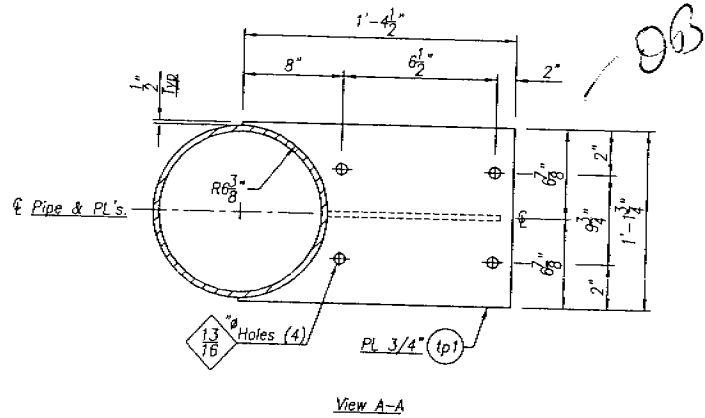
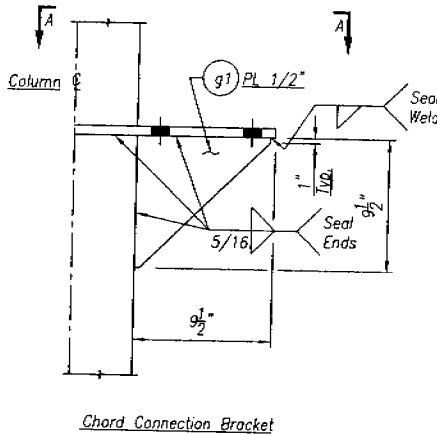
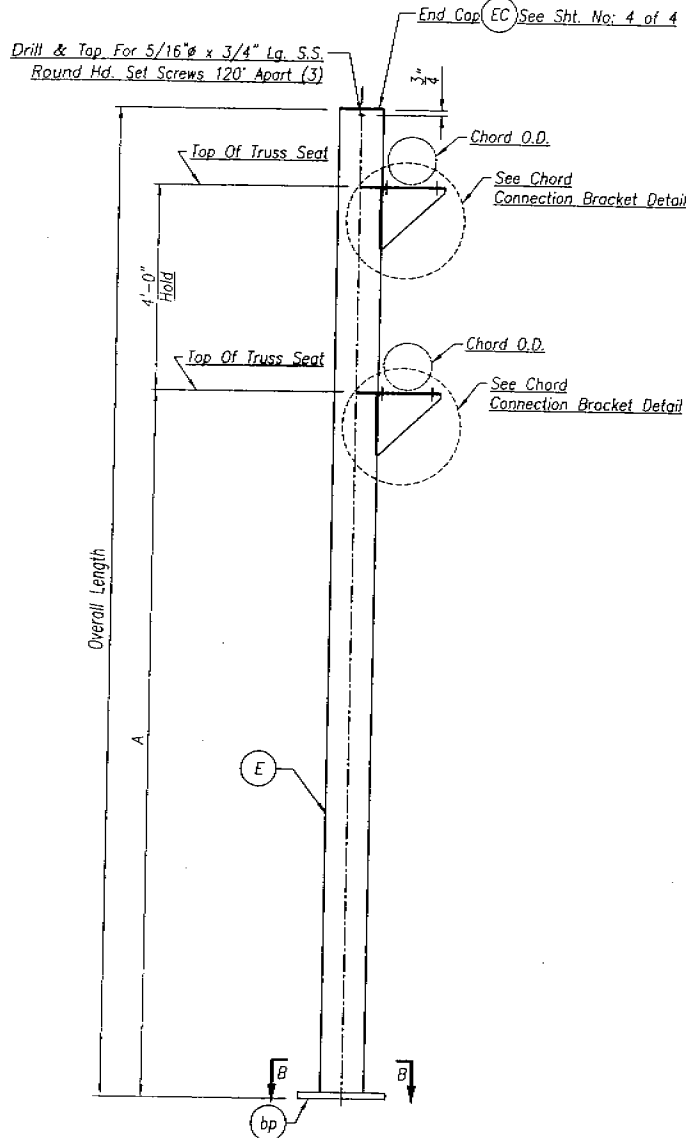
Project: State Project No: 1540-01-70 Federal Project No: WISC 2009758
Pierce County, Wisconsin

Description: Erection Details Of Overhead Sign Structures S-47-009

Printed For: Wisconsin
Drawn By: JL
Date: 3-11-10
Checked By: CR
Date: 3-15-10
Job No: WI-11738
Sheet No: 1 of 1

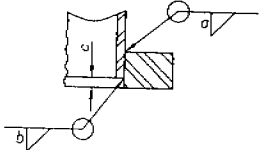
Bill of Material

Qty.	Mk.	Description	Length	Remarks
1	E1	12.75" x .330" #. Pipe	24'-11 9/16"	
1	E2	dp	28'-2 13/16"	
2	bp1	PL 1 1/4" x 1'-10" O.D.	---	
4	tp1	PL 3/4" x 13 3/4"	1'-4 1/2"	
4	g1	PL 1/2" x 9 1/2"	0'-9 1/2"	



Base Plate Detail Section B-B (8 Bolt Pattern)

Qty.	Mk.	Plate Thk.	Center Hole	Bolt Circle	O.D.	Hole Size
2	bp1	1 1/4"	12 7/8"	18"	1'-10"	1 1/2"



a	b	c	Pole Mk
3/8	5/16	7/16"	E1 & E2

MATERIAL SPECIFICATIONS:
Steel Pole Pipe Shall Be 42 KSI Min. Yield API 5L X42
All Steel Shall Be A.S.T.M. A709 Gr.36
Galv. Steel Per A.S.T.M. A123

PRINTS ISSUED				REVISIONS			
FOR	NO.	DATE	FOR	NO.	DATE	NO.	DATE DESCRIPTION

Brookfield Fabricating Corp

P.O. Box 405 - Brookfield, Missouri 64628 - (660)258-2214

Customer: Fencing Plus

Project: State Project No: 1540-01-70 Federal Project No: WISC 2009758
Pierce County, Wisconsin

Description: Fabrication Details Of Overhead Sign Bridge No: S-47-009

Printed For: Wisconsin

Drawn By: JL

Date: 3-11-10

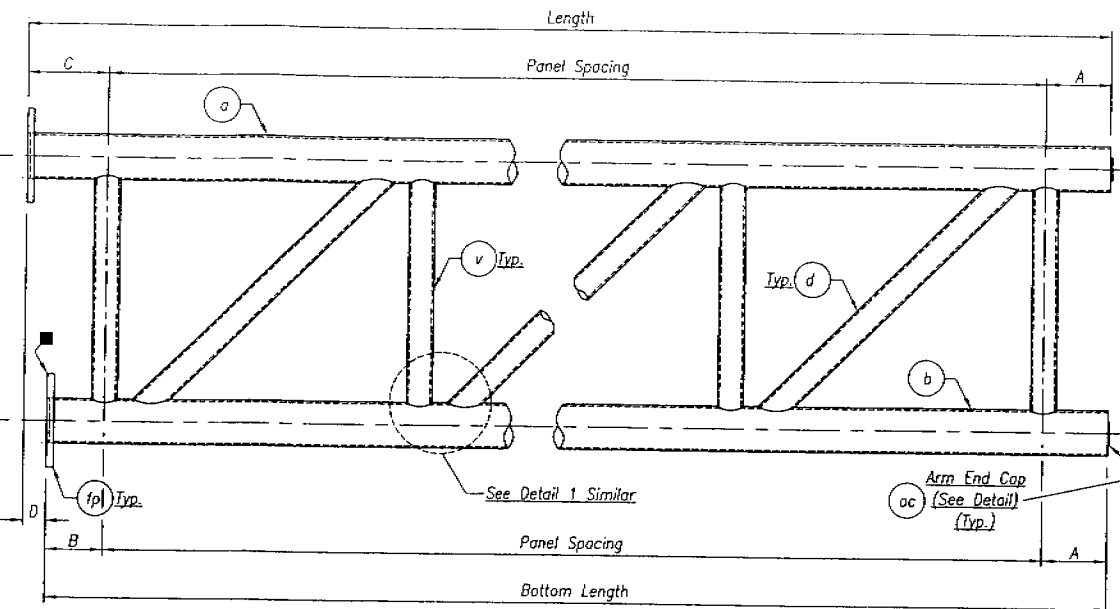
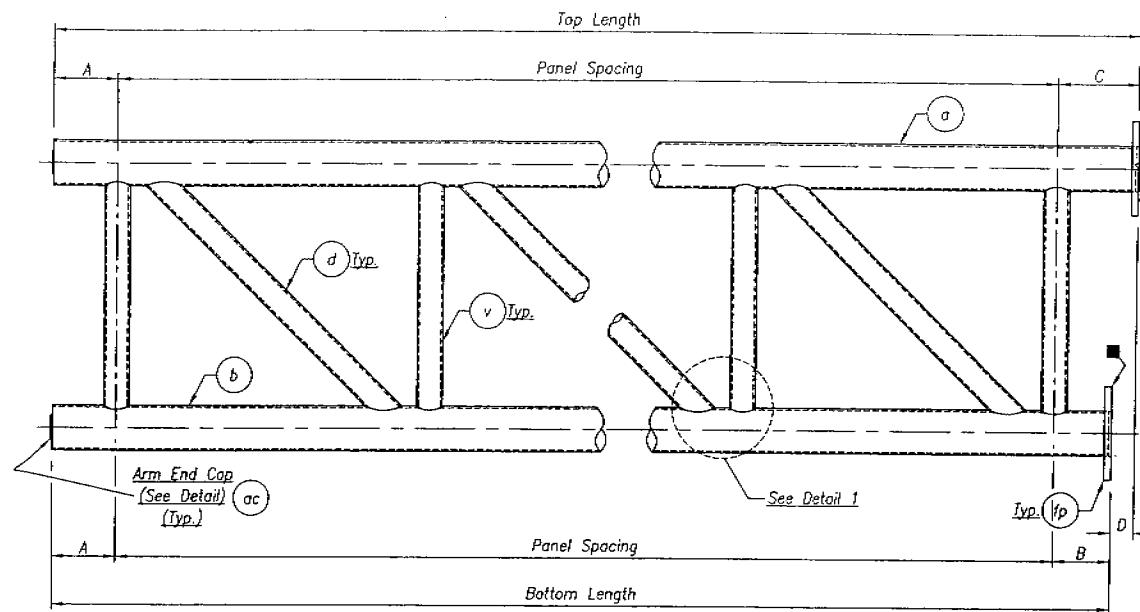
Checked By: CR AM

Date: 3-15-10

Job No: WJ-11735

Rev.

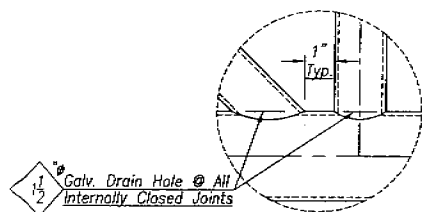
Sheet No: 2 of 4



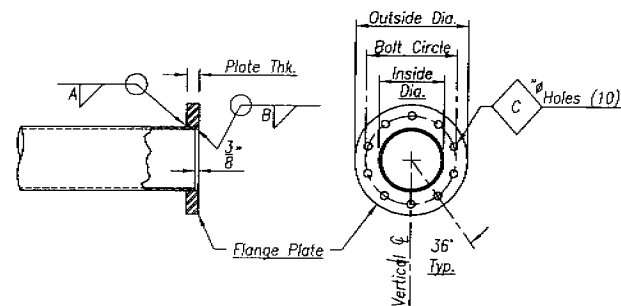
Bill of Material				
Qty.	Mk.	Description	Length	Remarks
1	1La	5.563" O.D. x .258" W. Pipe	28'-4 13/16"	
1	1Ra	do	28'-4 13/16"	
1	1Lb	do	28'-4 5/8"	
1	1Rb	do	28'-4 5/8"	
14	d1	3.5" O.D. x .216" W. Pipe	4'-10 7/16"	Min To: 4'-5 7/16" @ 38"-52"
16	v1	do	3'-7 5/16"	Min To: 3'-6 3/8" @ 0'
4	ac1	FB 3" x 1/4"	0'-5 1/4"	
4	fp1	PL 1 1/4" x 1'-0" O.D.	---	
20	FB1	1" x 4 1/4" H.S. Hex Bolt & Locknut W/2-Flat Wa.		(A325 Galv.)

Elevation												
Qty.	Mk.	Top Length	Bottom Length	Panel Spacing	A	B	C	D	"d"	"v"	"ac"	"fp"
1	1L	28'-5 3/16"	28'-5"	7 Panels @ 3'-8 1/8" ± = 25'-9"	1'-11"	9"	9 3/16"	3/16"	d1	v1	ac1	fp1

Elevation												
Qty.	Mk.	Top Length	Bottom Length	Panel Spacing	A	B	C	D	"d"	"v"	"ac"	"fp"
1	1R	28'-5 3/16"	28'-5"	7 Panels @ 3'-8 1/8" ± = 25'-9"	1'-11"	9"	9 3/16"	3/16"	d1	v1	ac1	fp1

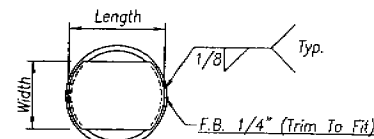


Detail 1



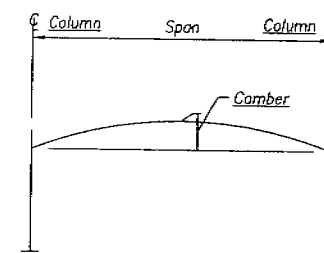
Flange Plate Detail
(10 Bolt Pattern)

Qty.	Mk.	Outside Dia.	Bolt Circle	Inside Dia.	Plate Thk.	A	B	C
4	fp1	1'-0"	9"	5 5/8"	1 1/4"	5/16	1/4	1 1/16"



End Cap Detail

Qty.	Mk.	Length	Width	Chord O.D.
4	ac1	5 1/4"	3"	5.563"



Camber Detail

Truss Sections	Span	Camber
1L/1R	55'-0"	1"

NOTE: Stamp Arm Mk No. On The Top Of The Bottom Flange.

MATERIAL SPECIFICATIONS:

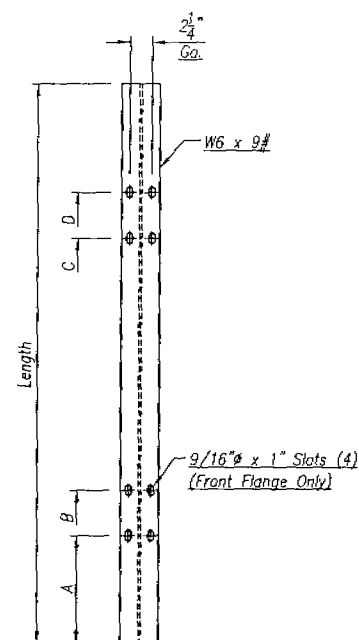
Steel Chord Shall Be 42 KSI Min. Yield API 5L X42
Steel Bracing Pipe Shall Be A.S.T.M. A53 Gr. B Type E Or S
All Steel Shall Be A.S.T.M. A709 Gr.36
Galv. Steel Per A.S.T.M. A123
H.S. Bolts, Nuts, & Washers Shall Be A.S.T.M. A325
Galvanize Hardware Per A.S.T.M. A153 Class C

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FOR	NO.	DATE		FOR	NO.	DATE	DESCRIPTION

Brookfield Fabricating Corp

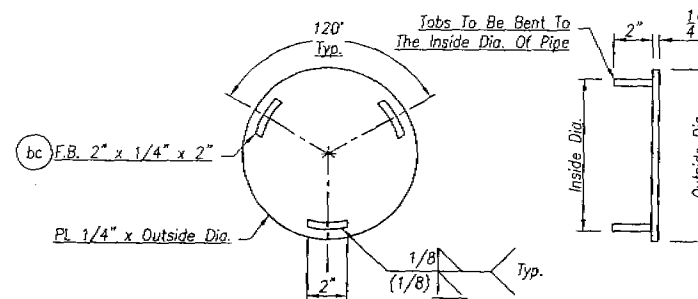
P.O. Box 406- Brookfield, Missouri 64628- (660)258-2214

Customer								Fencing Plus					
Project								State Project No: 1540-01-70 Pierce County, Wisconsin		Federal Project No: WISC 2009758			
Description								Fabrication Details Of Overhead Sign Bridge No: S-47-009					
Printed For								Sheet No. 3 of 4					
Wisconsin		Drawn By		Date		Checked By		Date		Job No.		Rev.	
		JL		3-11-10		CR AM		3-15-10		W-11738			



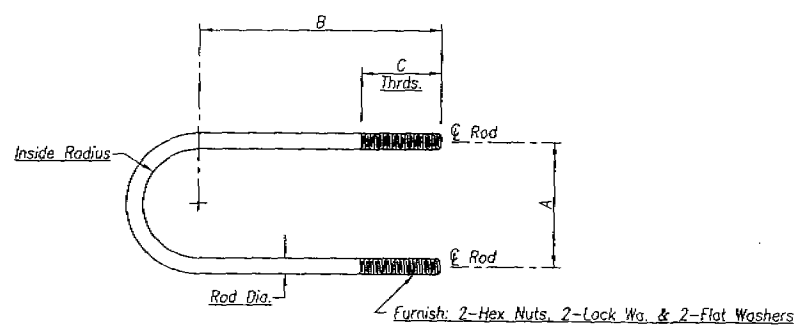
Sign Support Detail

Qty.	Mk	Length	A	B	C	D
2	S1	8'-0"	1'-8 7/8"	2'-3 1/8"	5'-8 7/8"	6'-3 1/8"
2	S2	6'-6"	1' 7/8"	1'-6 1/8"	4'-11 7/8"	5'-6 1/8"



End Cap Detail

Qty.	Mk	Tube/Pipe Size	Outside Dia.	Inside Dia.
2	EC1	12.75" O.D. x .330" W.	12 3/4"	12 1/16"



U-Bolt Detail

Qty.	Mk	Rod Dia.	Length	A	B	C	Inside Radius	Remarks
16	U1	1/2"	1'-6 7/16"	6 1/4"	4 5/16"	2"	2 7/8"	5.563" O.D. Chord To Sign Support
8	U2	3/4"	1'-8 5/16"	6 1/2"	5 1/16"	2 1/2"	2 7/8"	5.563" O.D. Chord To Endframe

Bill of Material

Qty.	Mk.	Description	Length	Remarks
4	S1-S2	W6 x 9#	See Table	
2	EC1	PL 1/4" x 12 3/4" O.D.	---	
6	bc	FB 2" x 1/4"	0'-2"	
6	End Cap Screws	5/16" x 3/4" S.S. Round Hd. Set Screw		
16	U1	1/2" U-Bolt W/2 - Hex Nuts, 2 - Flat Washers, & 2 - Lock Washers (Galv)		
8	U2	3/4" U-Bolt W/2 - Hex Nuts, 2 - Flat Washers, & 2 - Lock Washers (Galv)		

MATERIAL SPECIFICATIONS:

Steel Plate & Structural Shapes Shall Conform To A.S.T.M. A709 Gr 36
Galvanize Steel After Fabrication Per A.S.T.M. A123
U-Bolts To Be A.S.T.M. A36
Nuts & Washers For U-Bolts To Be A.S.T.M. A307
Galvanize Hardware Per A.S.T.M. A153 Class C

S.S. Screws: A.S.T.M. A320 (AISI 300 Series) Passivated

All Welding Shall Be Per A.W.S. Spec. D1.1 Latest Revision

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FOR	NO.	DATE		FOR	NO.	DATE	DESCRIPTION

Brookfield Fabricating Corp
P.O. Box 406- Brookfield, Missouri 64628- (860)258-2214

Customer Fencing Plus		Project State Project No: 1540-01-70 Pierce County, Wisconsin				Federal Project No: WISC 2009758	
Description Fabrication Details Of Sign Supports, End Caps, U-Bolts & Misc. Hardware							
Printed For Wisconsin	Drawn By JL	Date 3-11-10	Checked By CR AM	Date 3-15-10	Job No. WI-11738	Rev.	Sheet No. 4 of 4