

The right side version is shown throughout the rest of the drawing

DRAWN mcyr	9/30/2010	FIRST 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907					
CHECKED							
UNLESS OTHERWISE SPECIFIED							
TOLERANCES: (INCHES)							
FRAC.	+/- 1/32						
.00	+/- .01						
.000	+/- .005						
ANGULAR	+/- .25 Deg.	SCALE	DWG NO	REV			
			GE-11041				
				SHEET 2 OF 8			

4

3

2

1

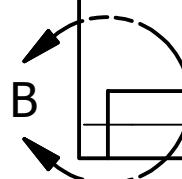
D

C

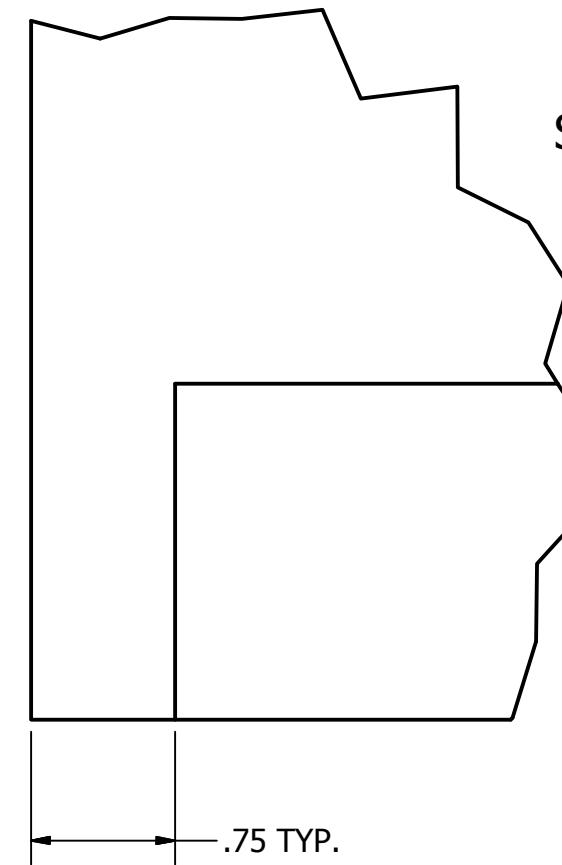
B

A

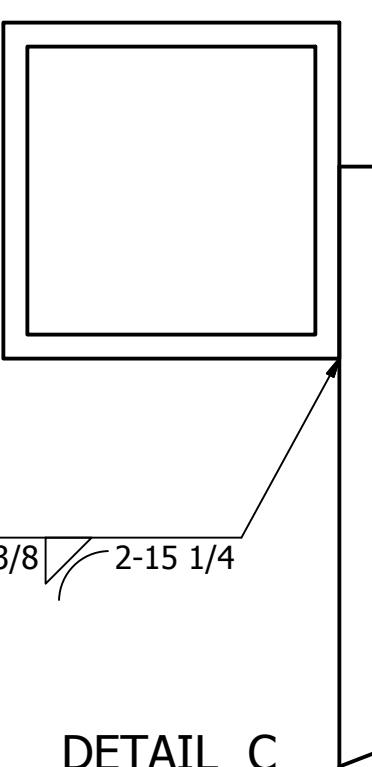
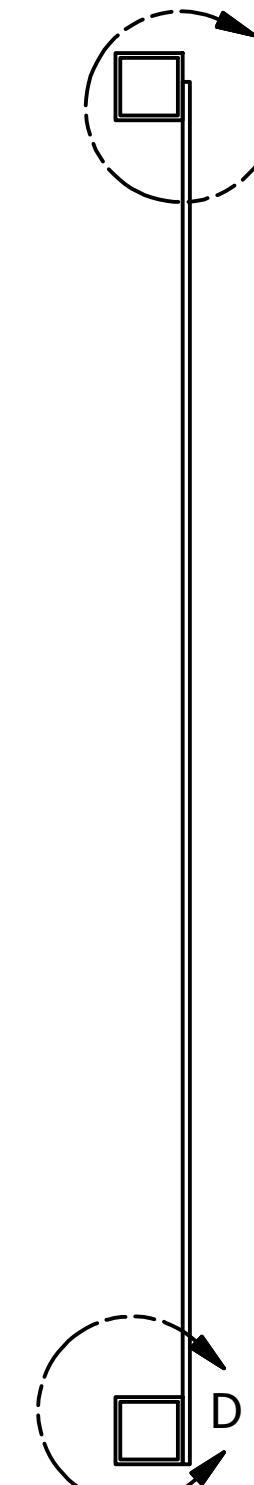
35.00
Center to Center
Both Ends



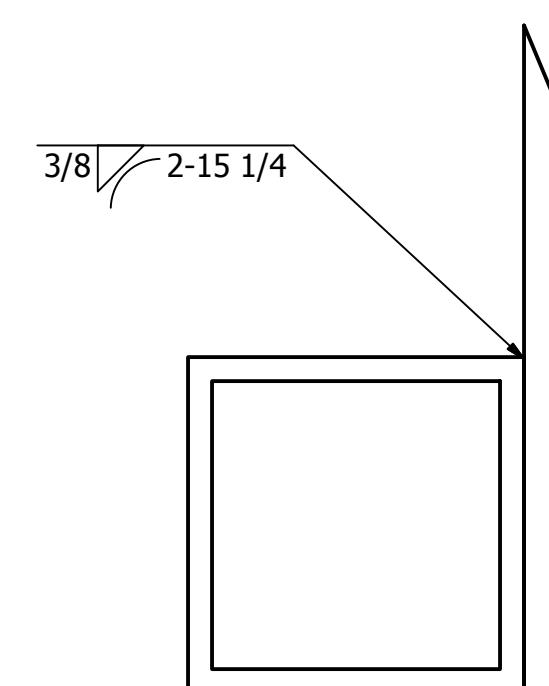
DETAIL B
SCALE 1 : 1



.75 TYP.



DETAIL C
SCALE 1 : 1



DETAIL D
SCALE 1 : 1

DRAWN mcyr	9/30/2010	FIRST		
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
UNLESS OTHERWISE SPECIFIED				
TOLERANCES: (INCHES)		TITLE		
FRAC.	+/- 1/32	Modified End Panel, Corner		
.00	+/- .01			
.000	+/- .005	SIZE	DWG NO	REV
ANGULAR	+/- .25 Deg.	C	GE-11041	
SCALE		SHEET 3 OF 8		

4

3

2

1

4

1

1

4

3

2

1

D

D

C

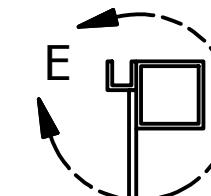
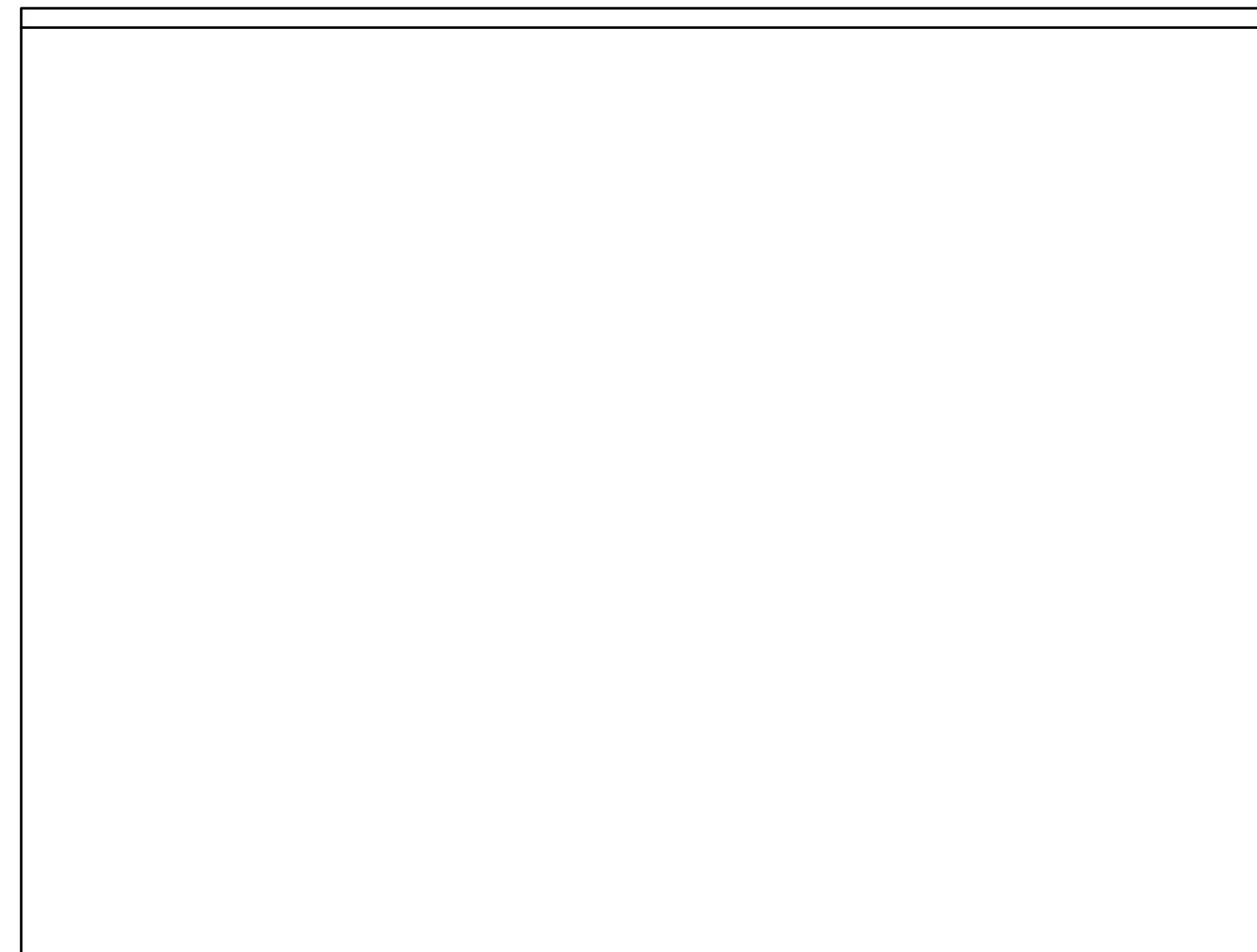
C

B

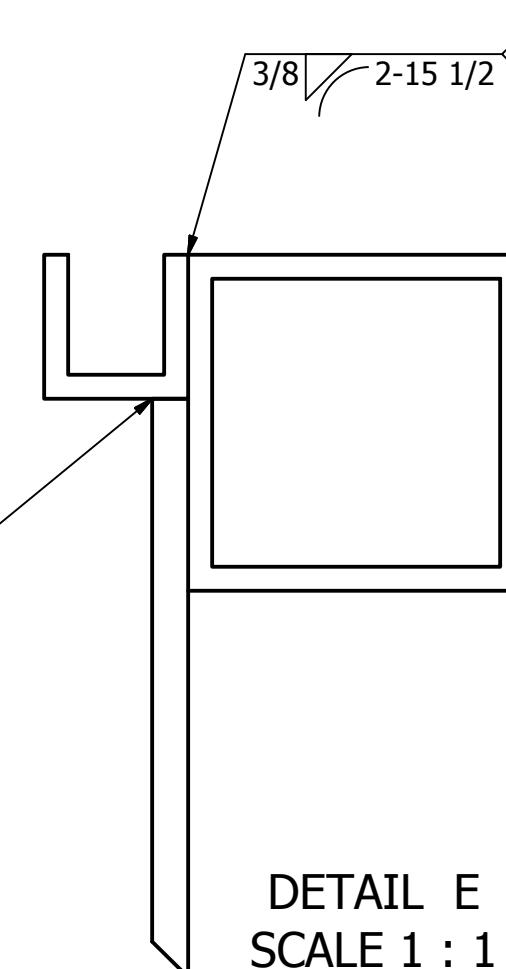
B

A

A



Channel sits on top of
the diamond plate 3/8 V 2-15 1/2



DETAIL E
SCALE 1 : 1

DRAWN mcyr	9/30/2010	FIRST 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907					
CHECKED							
UNLESS OTHERWISE SPECIFIED							
TOLERANCES: (INCHES)							
FRAC.	+/- 1/32	TITLE Modified End Panel, Corner	SIZE C	DWG NO GE-11041			
.00	+/- .01						
.000	+/- .005						
ANGULAR	+/- .25 Deg.						
SCALE				REV			
SHEET 4 OF 8							

4

3

2

1



4

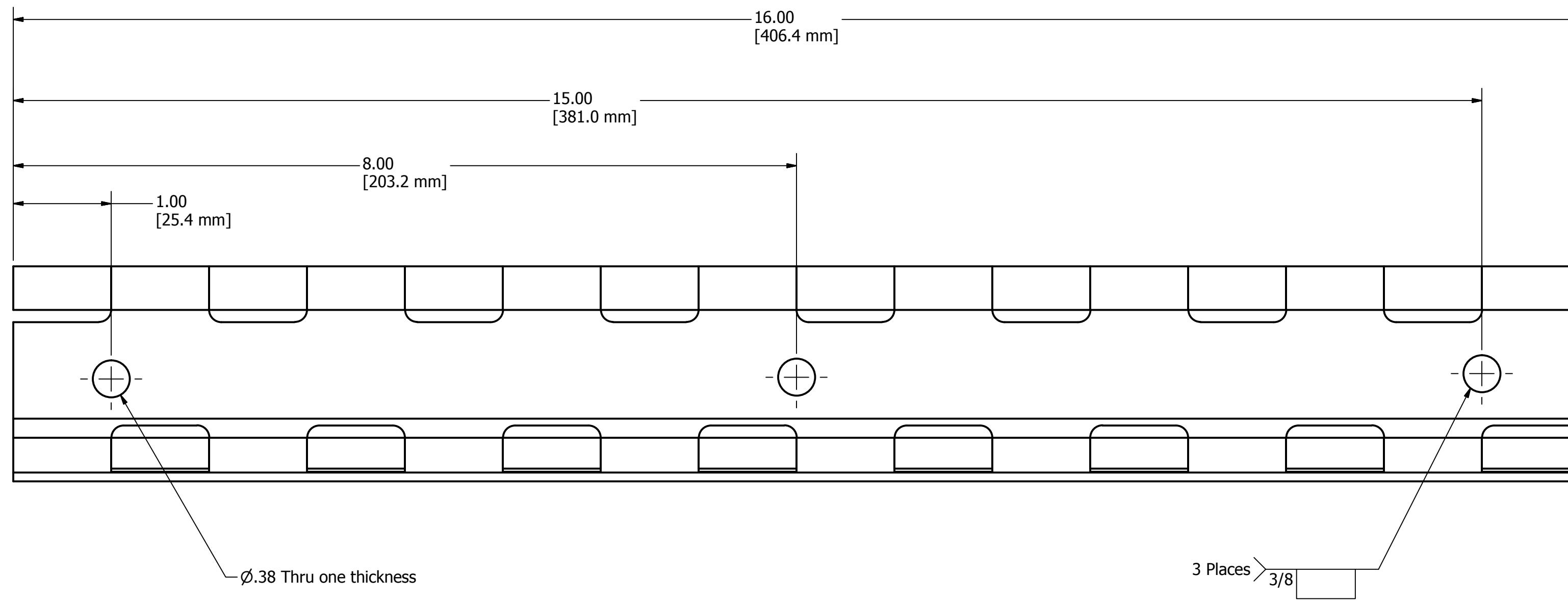
3

2

1

D

D



A

A

B

B

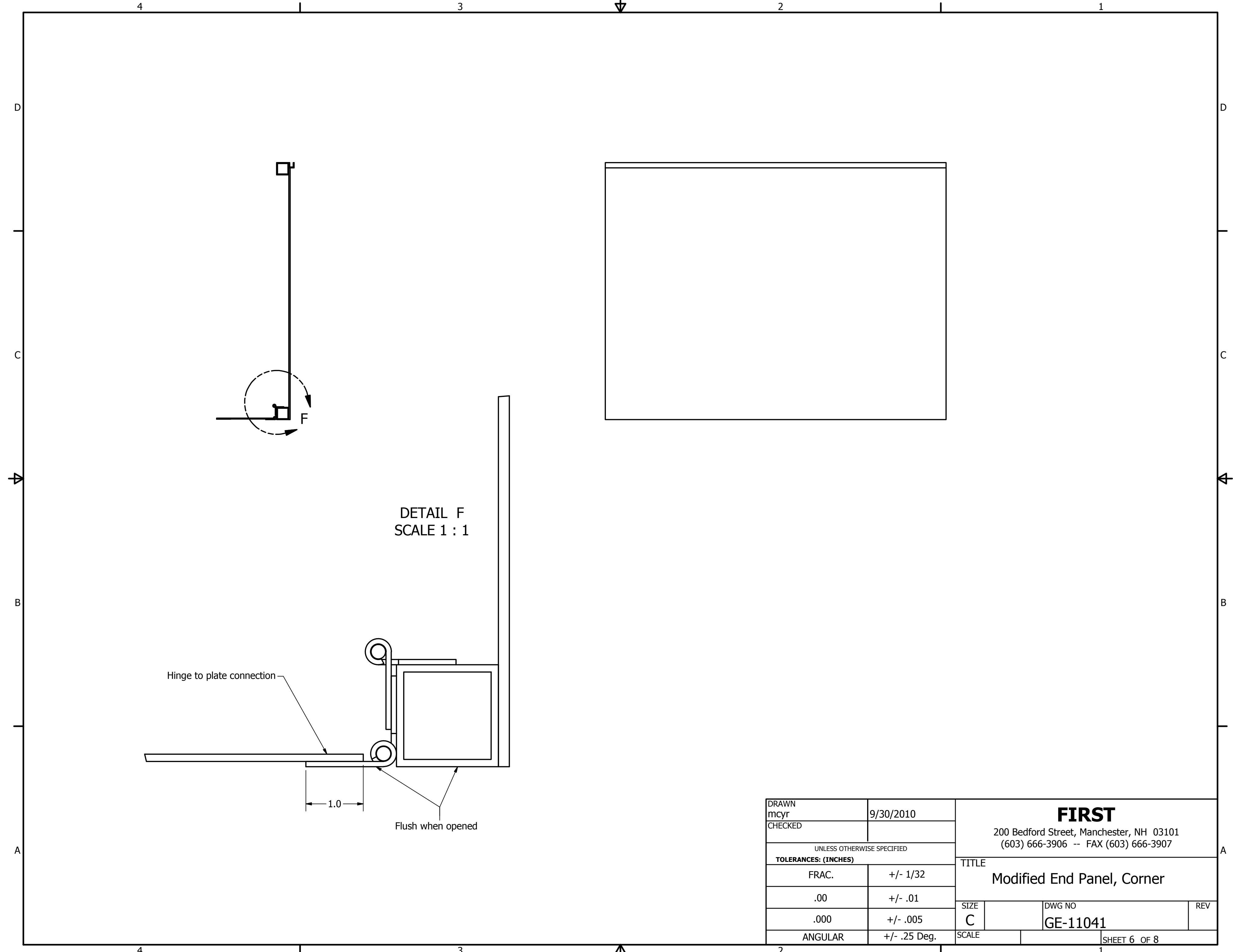
C

C

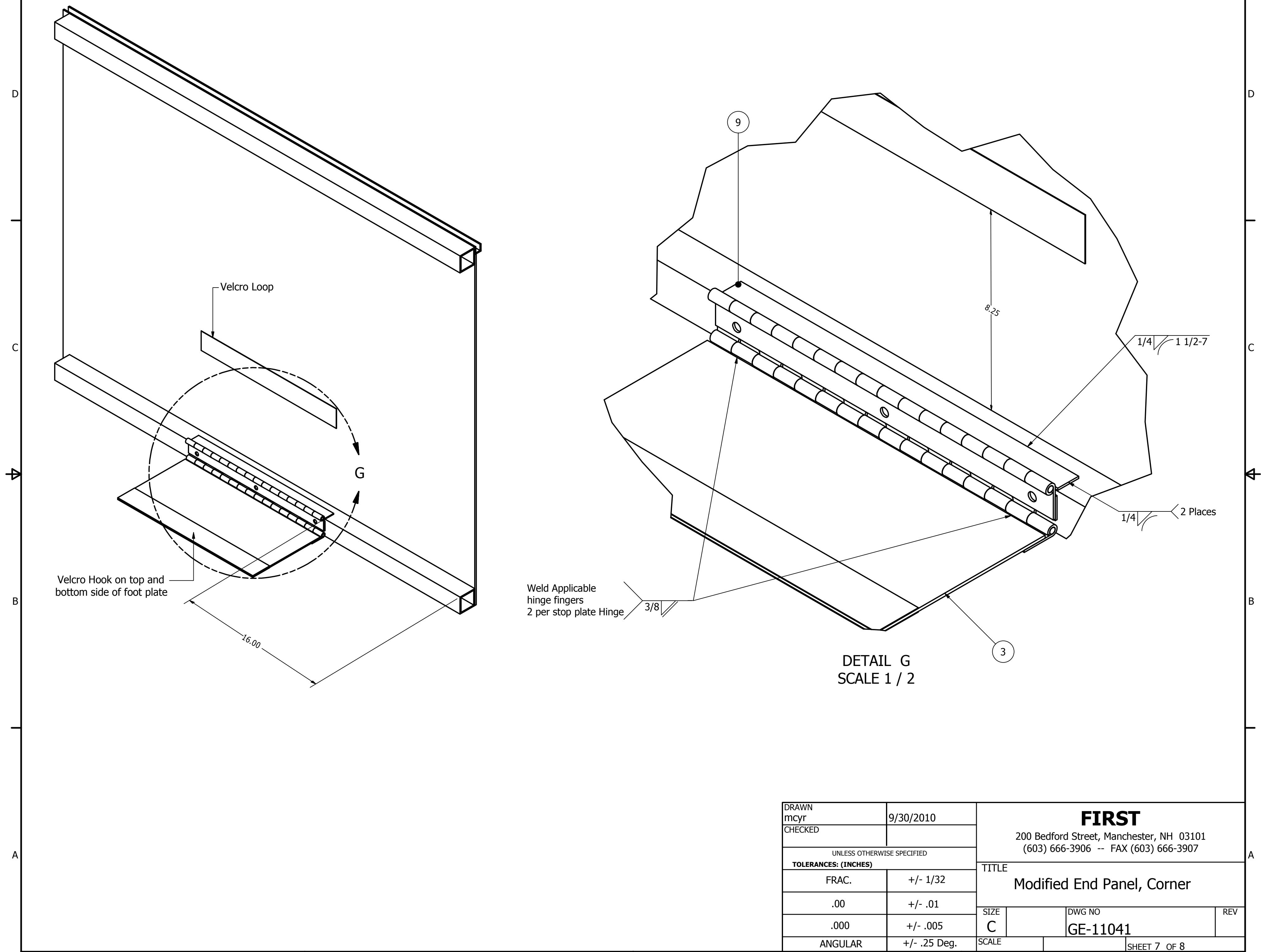
D

D

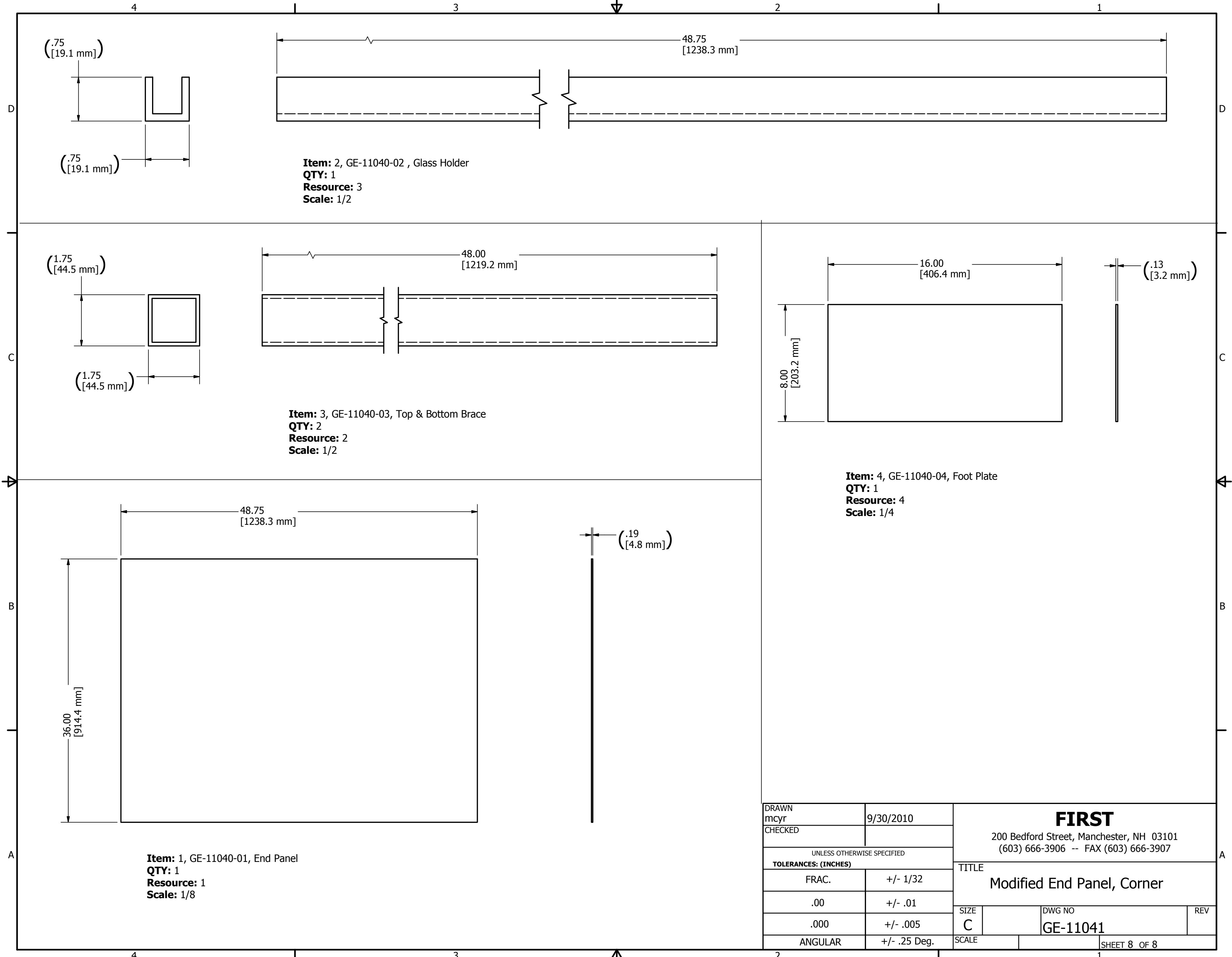
DRAWN mcyr	9/30/2010	FIRST 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
CHECKED				
UNLESS OTHERWISE SPECIFIED				
TOLERANCES: (INCHES)		FRAC.	+/- 1/32	
.00			+/- .01	
.000			+/- .005	
ANGULAR		+/- .25 Deg.	SCALE	DWG NO GE-11041
				REV
				SHEET 5 OF 8



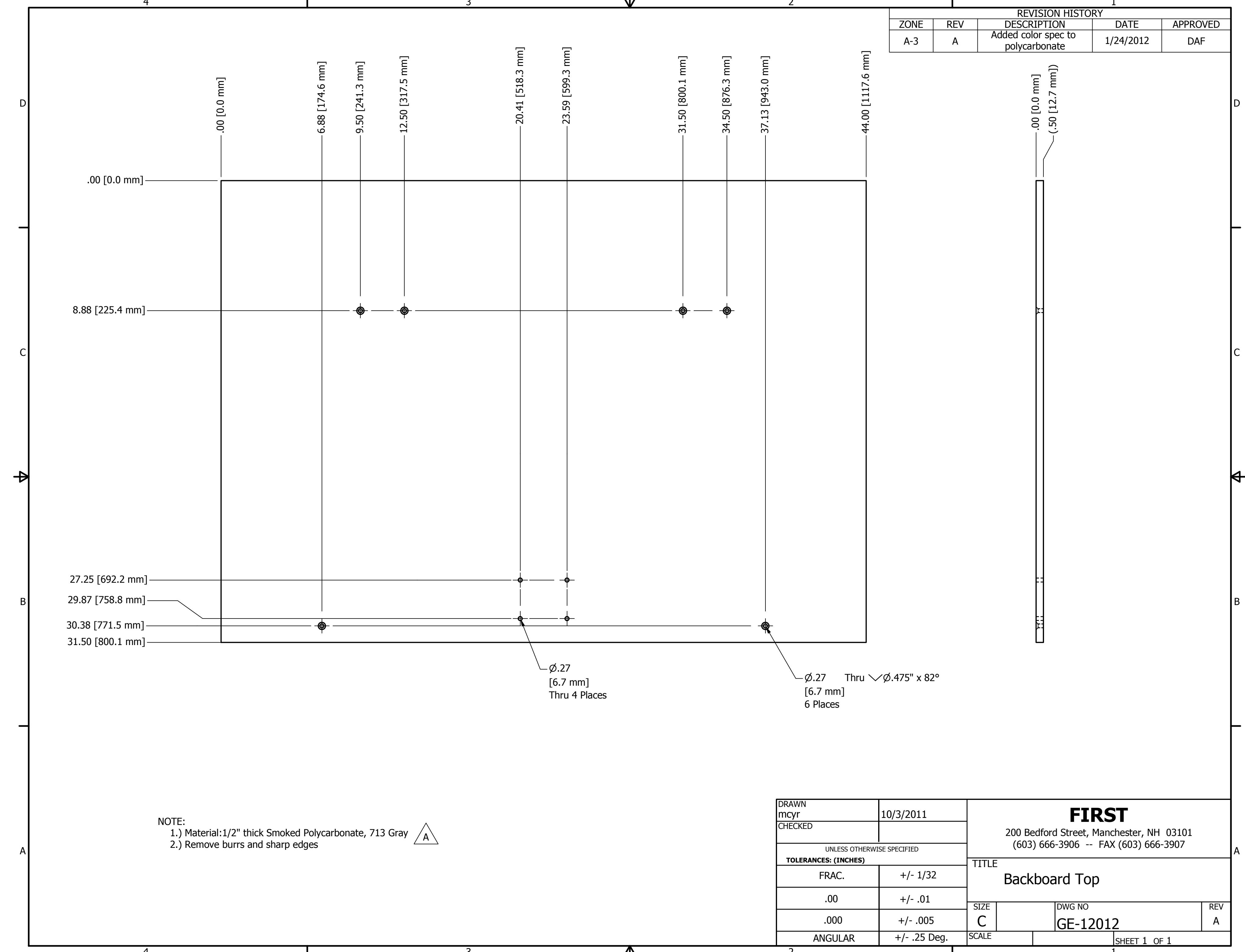
4 3 2 1



4 3 2 1



REVISION HISTORY				
ZONE	REV	DESCRIPTION	DATE	APPROVED
A-3	A	Added color spec to polycarbonate	1/24/2012	DAF



4

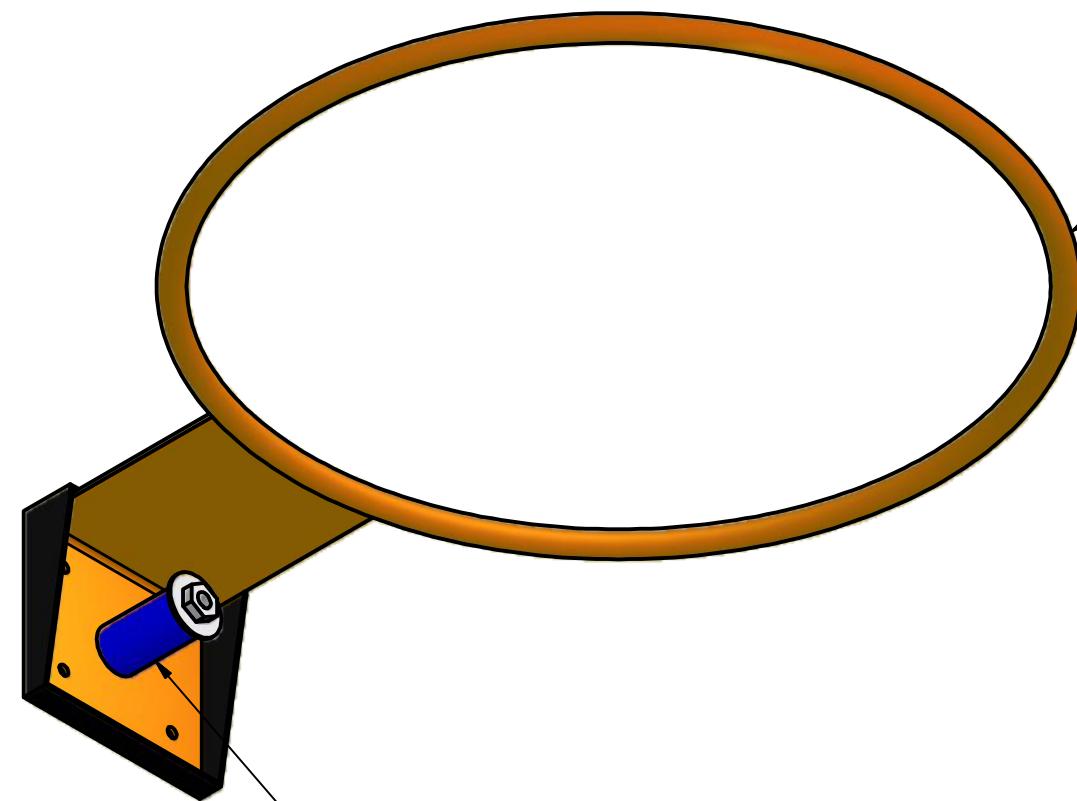
3

2

1

REVISION HISTORY

ZONE	REV	DESCRIPTION	DATE	APPROVED
A-4	A	Added tensioning instruction for replacement spring	1/16/2012	DAF



Manufacturer: Huffy Spaulding
 Model: 7800s
 Description: Huffy 7800 "Slam Jam" breakaway basketball rim
 Retailers: www.amazon.com
www.sears.com
www.competitiveedgeproducts.com

Vendor: McMaster-Carr
 Part Number: 9573K68
 Description: Chrome-Silicon Steel Die Spring, 1.25" OD, 2.5" Long, 180 lb Load
 Retailer: www.mcmaster.com

Notes:

1. Remove stock net. It will not be used for competitions. It is fine for practice, but the length may not be compatible for the rest of the field components.
2. Remove stock spring from the backboard and replace with the specified spring from McMaster. Once again, the stock spring is probably good enough for practice, but the McMaster spring has more give to it.
3. Once the stock spring has been replaced, tighten the nut holding the spring in place until the end of the bolt is flush to the outside surface of the nut.

A

DRAWN dfoster	11/22/2011	200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907					
CHECKED							
UNLESS OTHERWISE SPECIFIED							
TOLERANCES: (INCHES)			TITLE				
FRAC.	+/- 1/32	Basketball Hoop					
.00	+/- .01	SIZE	DWG NO	REV			
.000	+/- .005	B	GE-12013	A			
ANGULAR	+/- .25 Deg.	SCALE		SHEET 1 OF 1			

4

3

2

1

4

4

I

3

4

2

I

1

B

B

Manufacturer: Lifetime**Description:** Lifetime Basket Ball Net, 120 gram. White.**Part Number:** #0790**Sold at:**www.buylifetime.comwww.competitiveedgeproducts.comwww.farmandfleet.com

4

4

A

A

DRAWN dfoster	11/28/2011	FIRST 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
CHECKED				
UNLESS OTHERWISE SPECIFIED				
TOLERANCES: (INCHES)		TITLE		
FRAC.	+/- 1/32	Basketball Net		
.00	+/- .01	SIZE	DWG NO	REV
.000	+/- .005	B	GE-12014	
ANGULAR	+/- .25 Deg.	SCALE		SHEET 1 OF 1

4

3

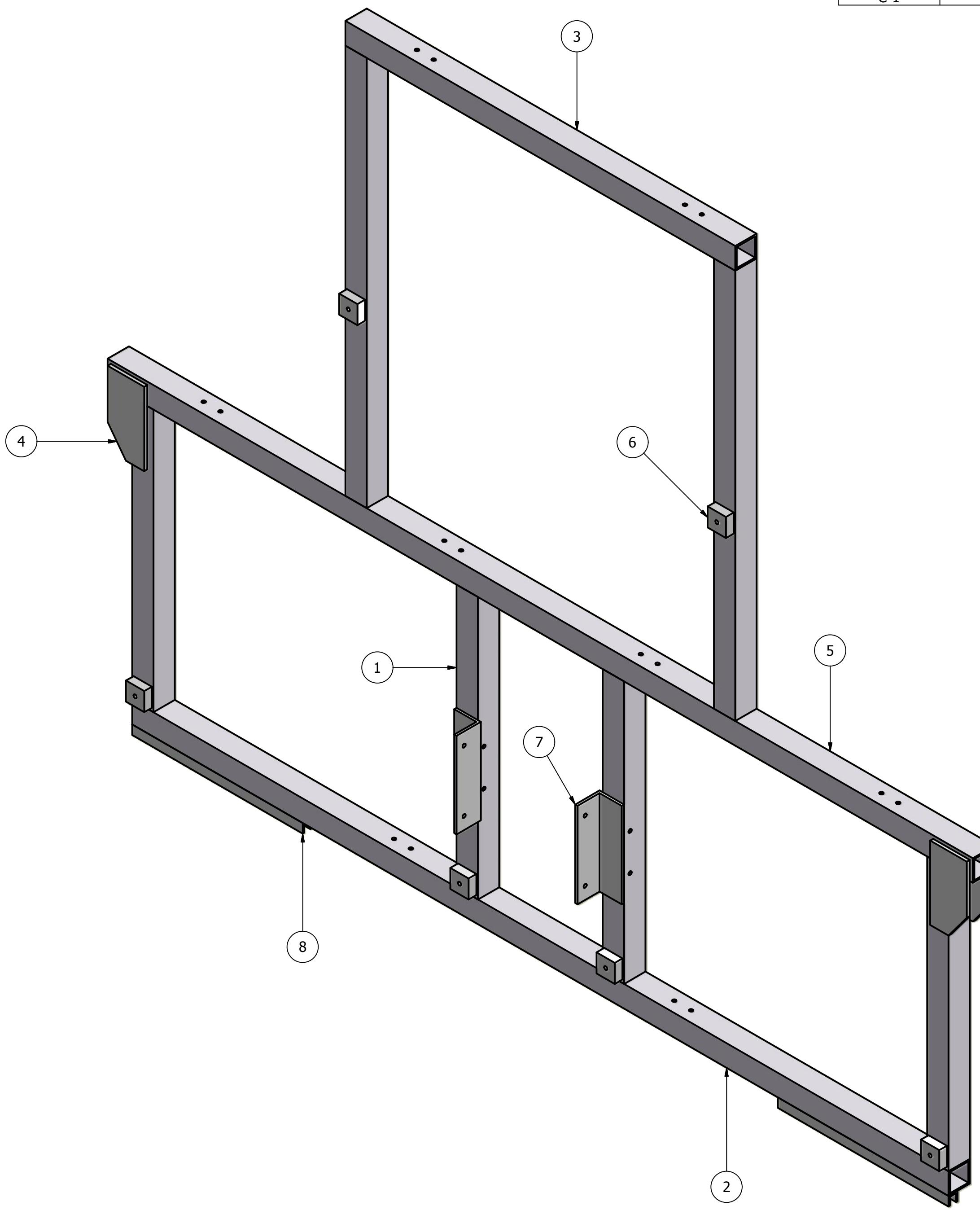
4

2

I

1

REVISION HISTORY		DATE	APPROVED
ZONE	REV	DESCRIPTION	
	A	Added a new Sheet Three with hold positions and hole Diameter, added hole dimension to sheet 2	
C-1	B	Added a hole position dimension to section J-J	

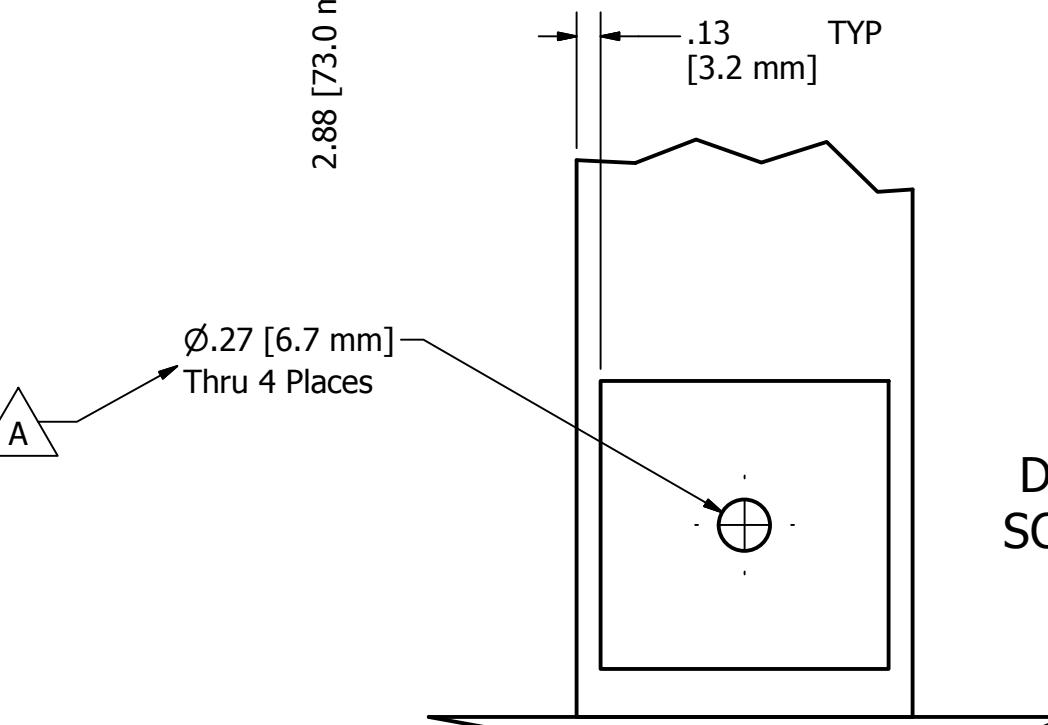


Resources		
Resource	Material	Quantity
1	1-3/4" x 1-3/4" x 1/8" Square 6063 Aluminum Tube	27 Feet
2	3/4" x 3/4" x 1/8", 6063 Aluminum U Channel	29 Inches
3	1.5" x 5/8", 6061 Aluminum Bar	10 Inches
4	2" x 2" x 3/16", 6063 Aluminum Angle	15 Inches
5	3" x 1/4" Thick 6061 Aluminum Bar	25 Inches

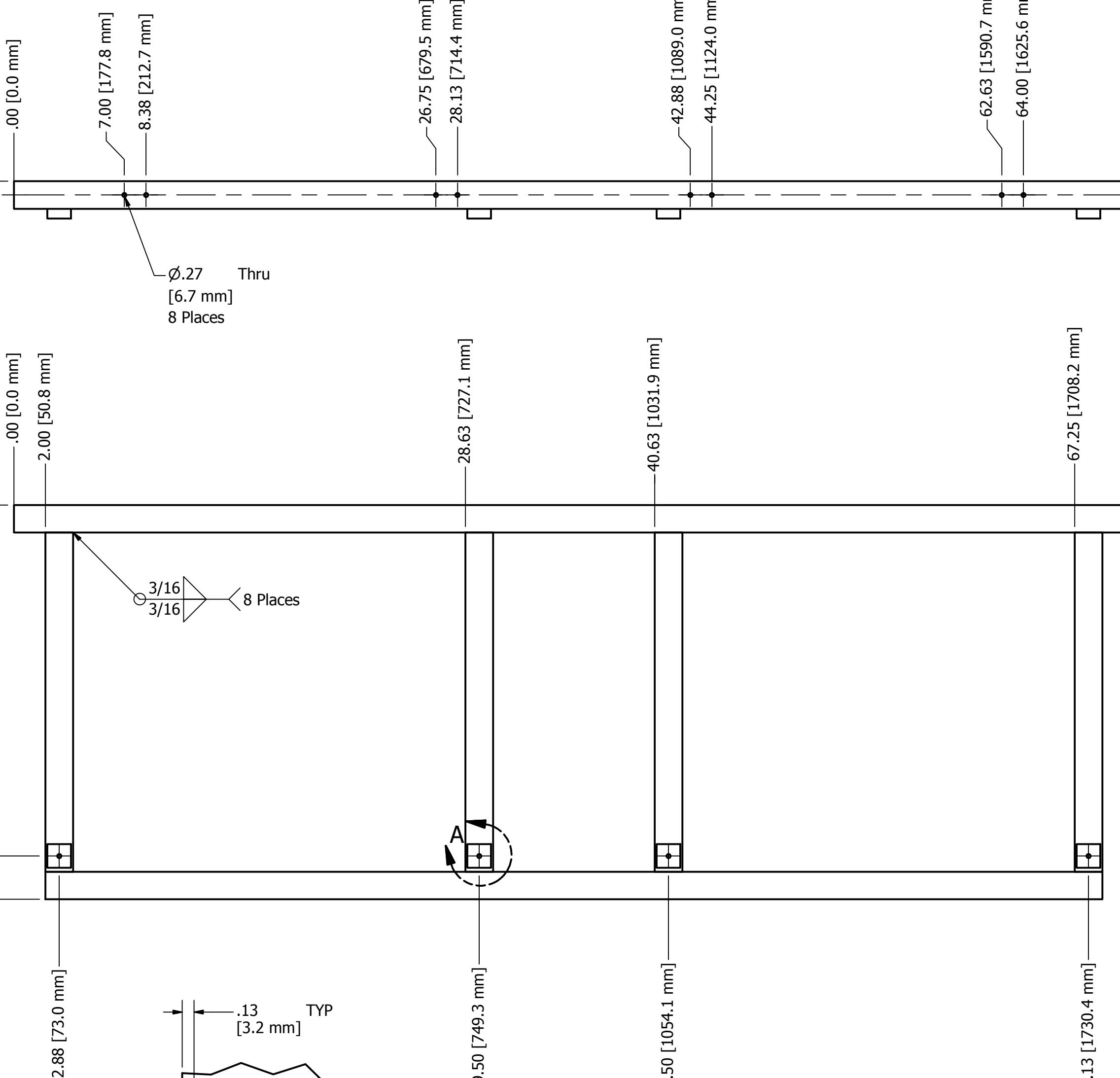
PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	4	GE-12016-01	Bottom Vertical
2	1	GE-12016-02	Bottom Horizontal
3	3	GE-12016-03	Top Horizontal & Vertical
4	4	GE-12016-04	Gusset Plate
5	1	GE-12016-05	Middle Horizontal
6	6	GE-12016-06	Spacer
7	2	GE-12016-07	Chute Bracket
8	2	GE-12016-08	Support, Window

DRAWN dfoster	6/1/2011	200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907					
CHECKED							
UNLESS OTHERWISE SPECIFIED							
TOLERANCES: (INCHES)							
FRAC.	+/- 1/32						
.00	+/- .01						
.000	+/- .005						
ANGULAR	+/- .25 Deg.	SCALE	DWG NO	REV			
			GE-12016	B			
			SHEET 1 OF 9				

A



DETAIL A
SCALE 1 : 1



28.63 [727.1 mm]

40.63 [1031.9 mm]

44.25 [1124.0 mm]

62.63 [1590.7 mm]
64.00 [1625.6 mm]

71.00 [1803.4 mm]

29.50 [749.3 mm]

41.50 [1054.1 mm]

68.13 [1730.4 mm]

3

2

4

1

D

D

C

C

B

B

A

A

DETAIL A
SCALE 1 : 1

DRAWN dfoster	6/1/2011	200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907					
<hr/>							
UNLESS OTHERWISE SPECIFIED							
TOLERANCES: (INCHES)							
FRAC.	+/- 1/32						
.00	+/- .01						
.000	+/- .005						
ANGULAR	+/- .25 Deg.	SCALE	DWG NO	REV			
			GE-12016	B			
			SHEET 2 OF 9				

4

3

2

1

D

D

H

H

C

C

(1)

(1)

J

J

(1)

2.13
[54.0 mm]3.00
[76.2 mm] $\phi .27$ [6.7 mm]
Thru 4 Places
(Both Item #1)SECTION J-J
SCALE 1/5

B

B

1.38
[34.9 mm]4.63
[117.5 mm]3.25
[82.6 mm]1.38
[34.9 mm] $\phi .27$ [6.7 mm]
Thru 4 PlacesSECTION H-H
SCALE 1/5

A

A

DRAWN dfoster	6/1/2011	200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907					
UNLESS OTHERWISE SPECIFIED							
TOLERANCES: (INCHES)							
FRAC.	$+\/- 1/32$						
.00	$+\/- .01$						
.000	$+\/- .005$						
ANGULAR	$+\/- .25$ Deg.	SCALE	DWG NO	REV			
			GE-12016	B			
			SHEET 3 OF 9				

4

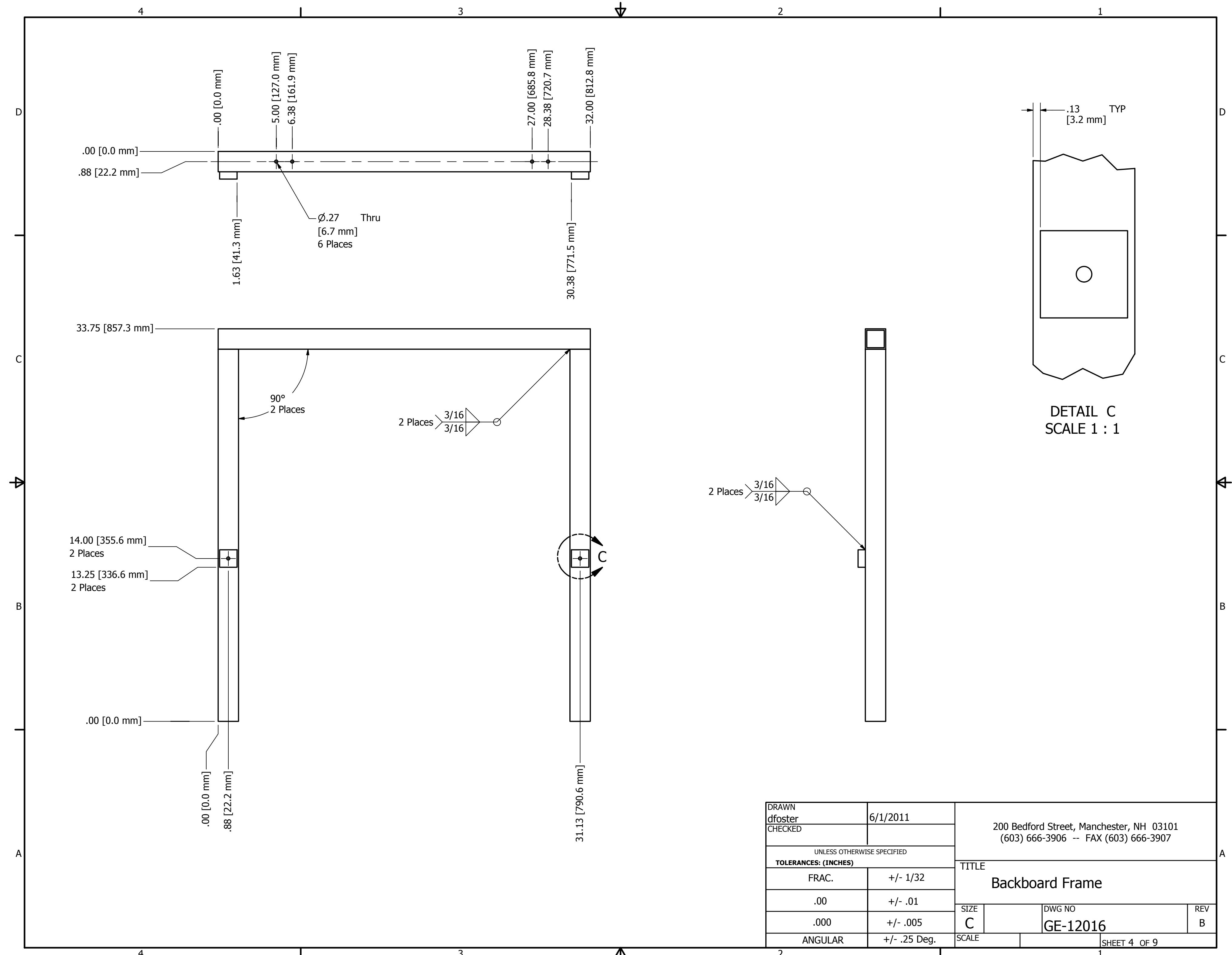
3

2

1

4

A

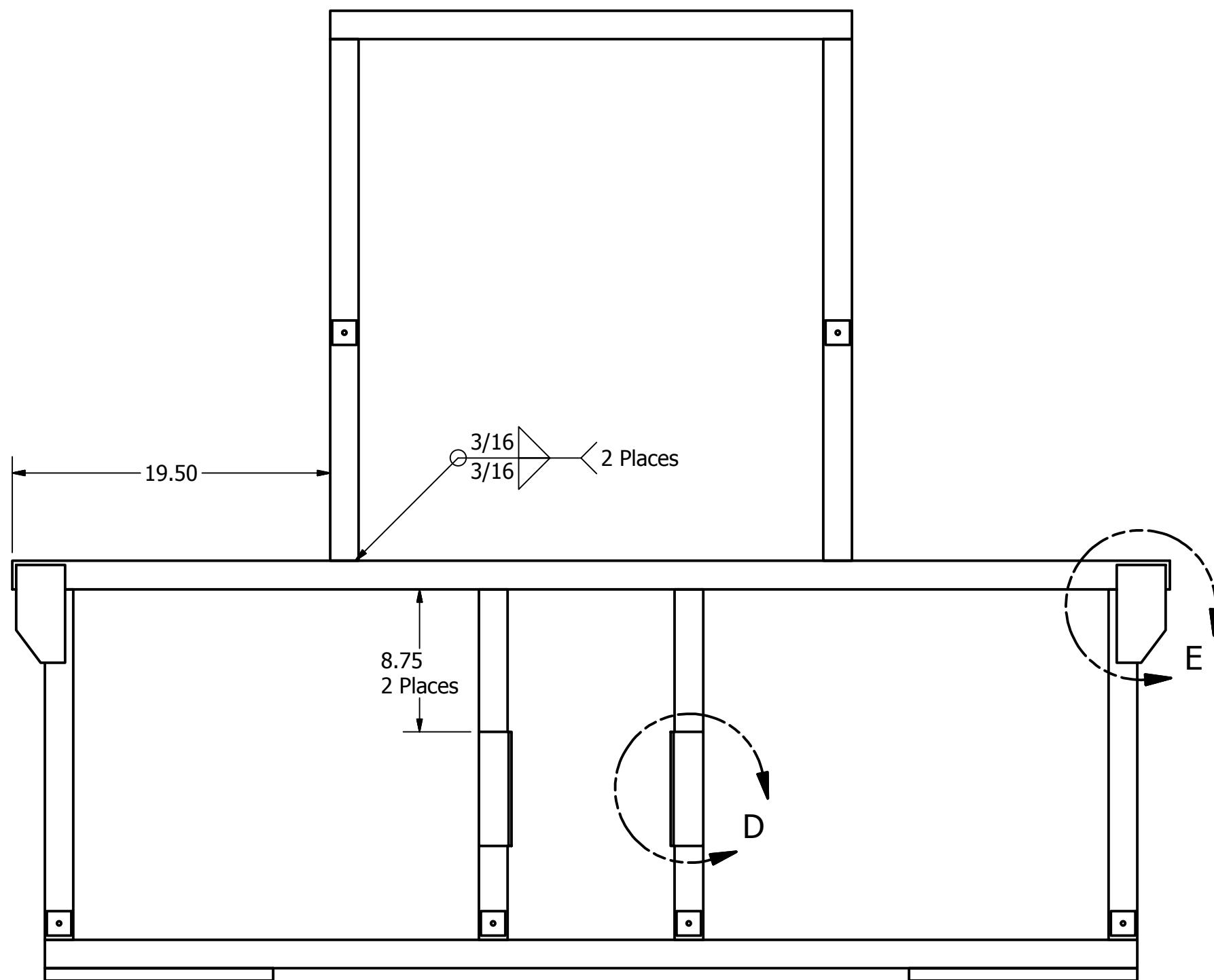


DRAWN dfoster	6/1/2011	200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
CHECKED				
UNLESS OTHERWISE SPECIFIED				
TOLERANCES: (INCHES)		TITLE Backboard Frame		
FRAC.	+/- 1/32			
.00	+/- .01			
.000	+/- .005			
ANGULAR	+/- .25 Deg.	SCALE	SHEET 4 OF 9	REV B

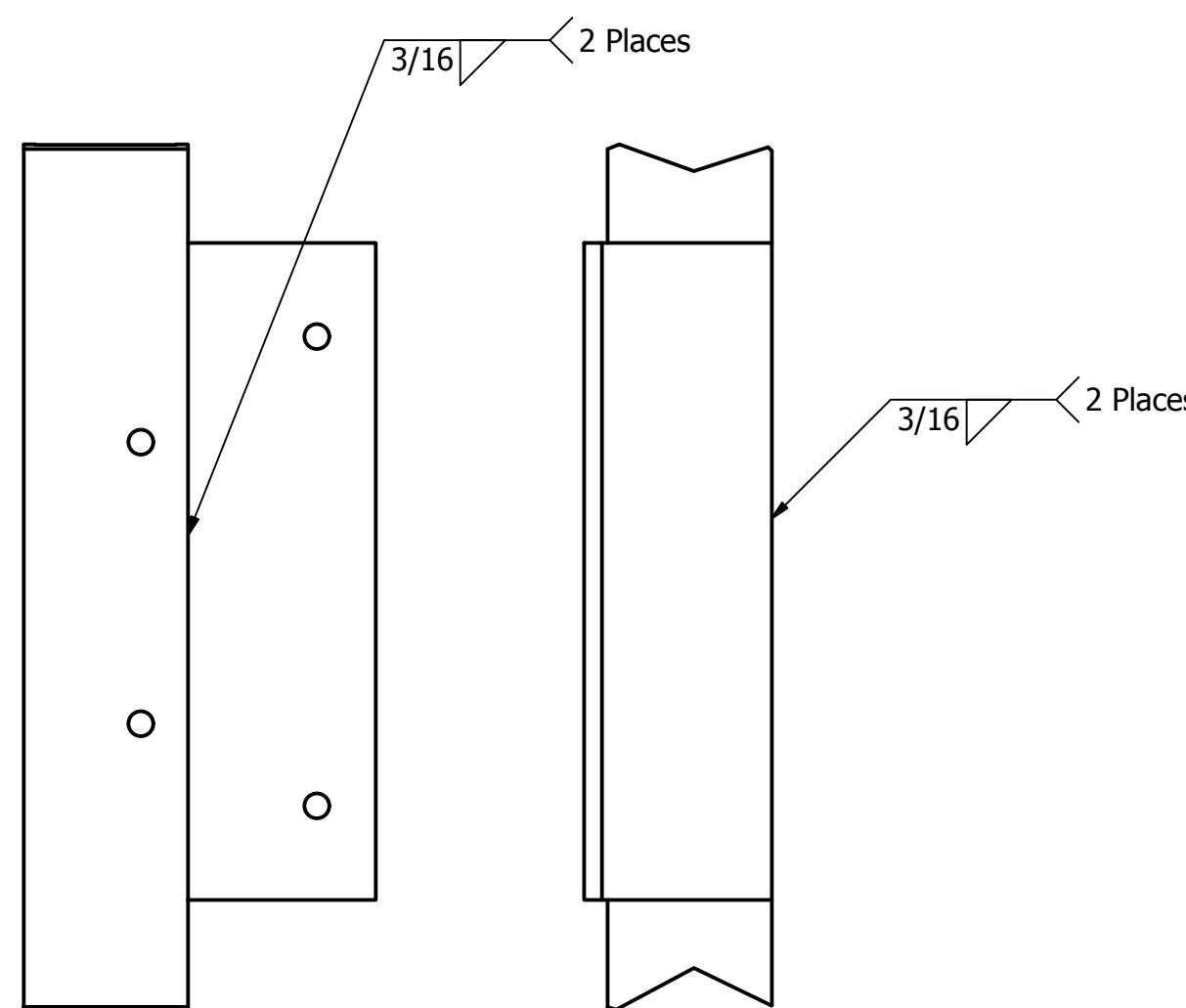
4 3 2 1

D

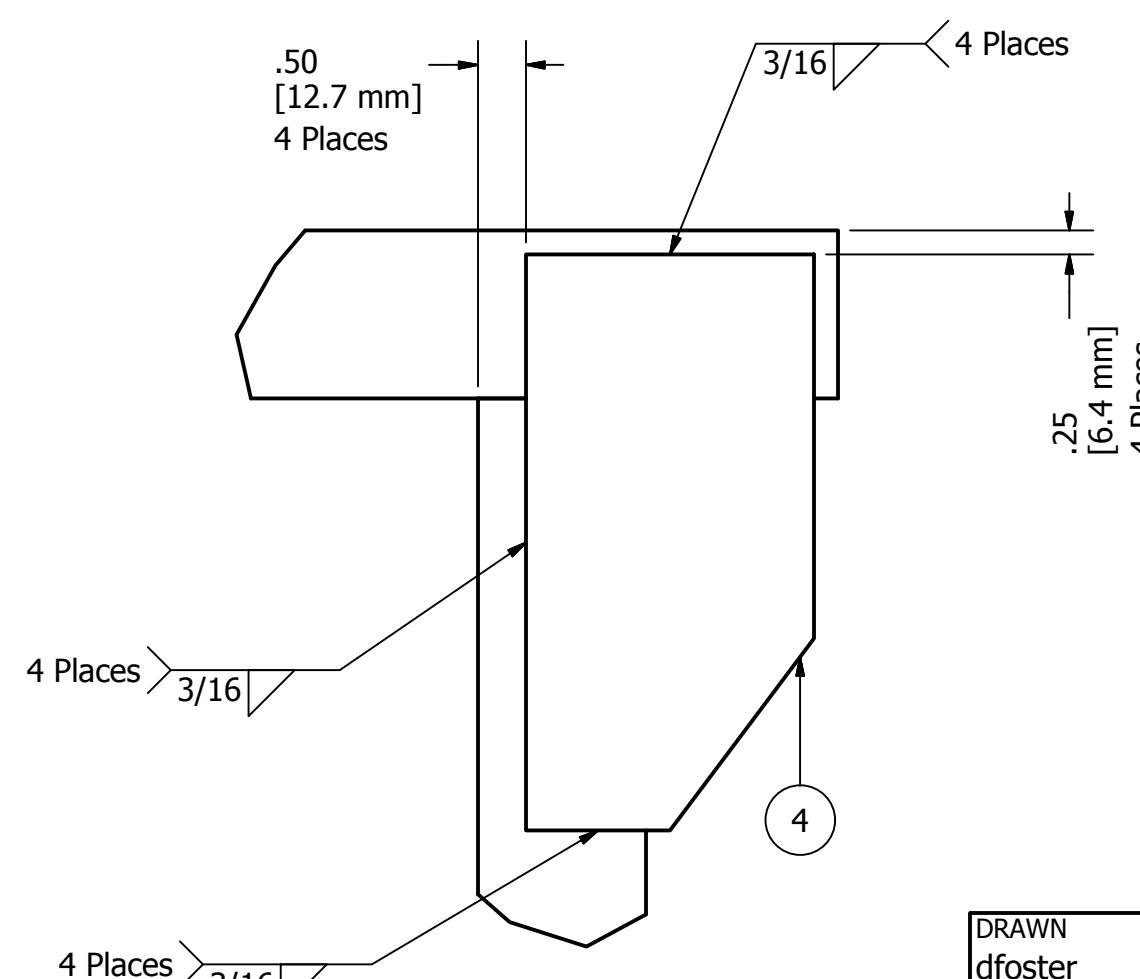
D



DETAIL F
SCALE 1 : 1



DETAIL D
SCALE 1 / 2



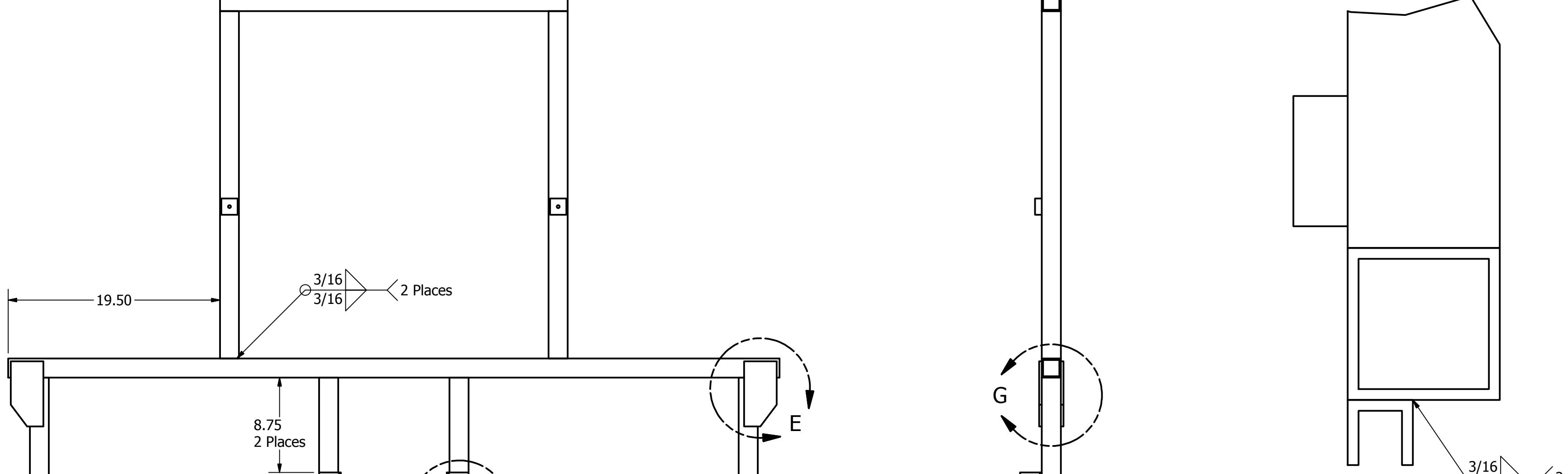
DETAIL E
SCALE 1 / 2

DRAWN dfoster	6/1/2011	200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907			
CHECKED					
UNLESS OTHERWISE SPECIFIED TOLERANCES: (INCHES)					
FRAC.	+/- 1/32				
.00	+/- .01				
.000	+/- .005				
ANGULAR	+/- .25 Deg.	SCALE	DWG NO	REV	
			GE-12016	B	
			SHEET 5 OF 9		

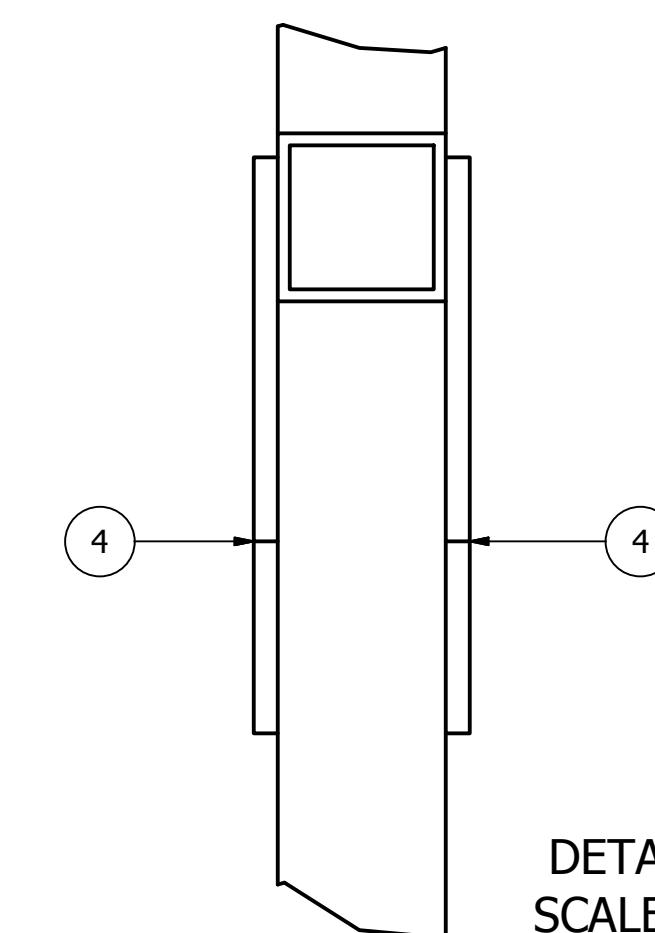
4 3 2 1

C

C



DETAIL F
SCALE 1 : 1



DETAIL G
SCALE 1 / 2

A

B

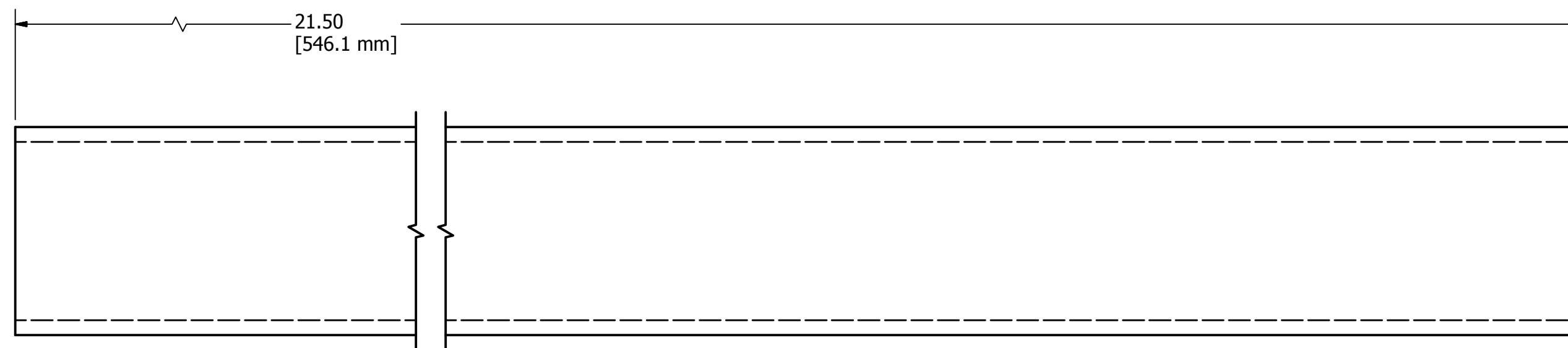
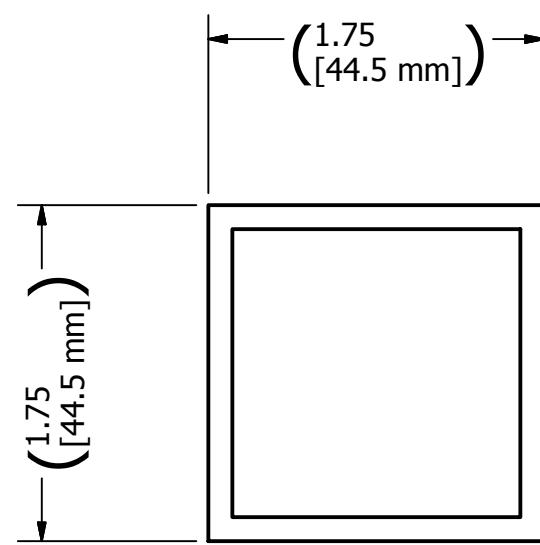
B

A

A

4 3 2 1

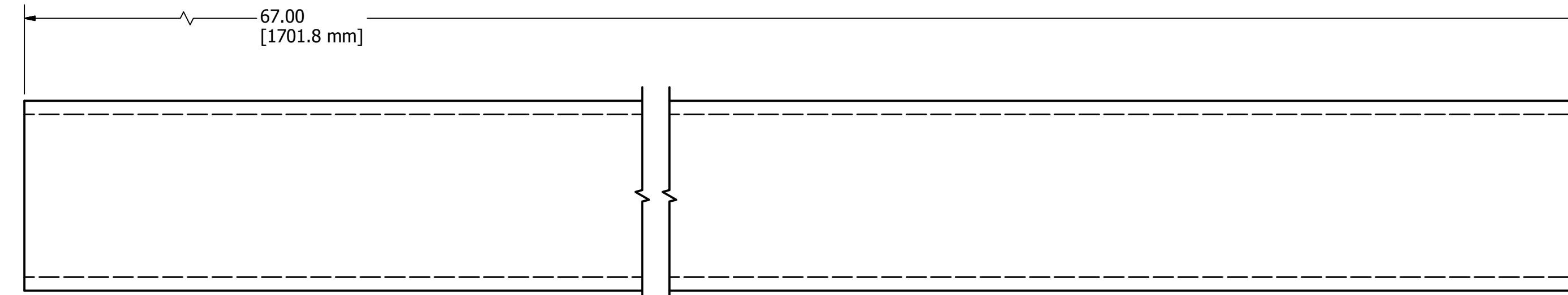
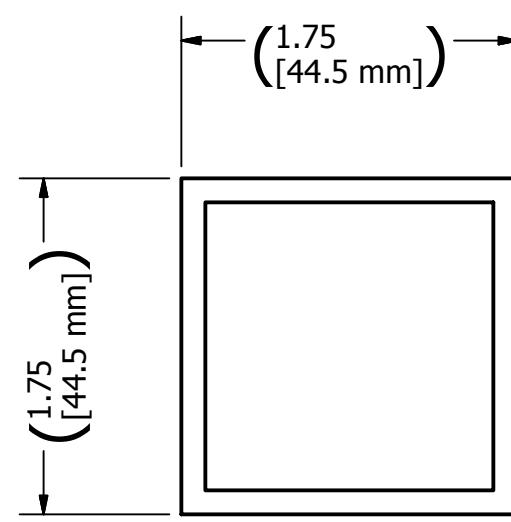
D



C

Item: 1, GE-12016-01, Bottom Vertical
Resource: 1
Scale: 1:1
QTY: 4

D



B

A

Item: 2, GE-12016-02, Bottom Horizontal
Resource: 1
Scale: 1:1
QTY: 1

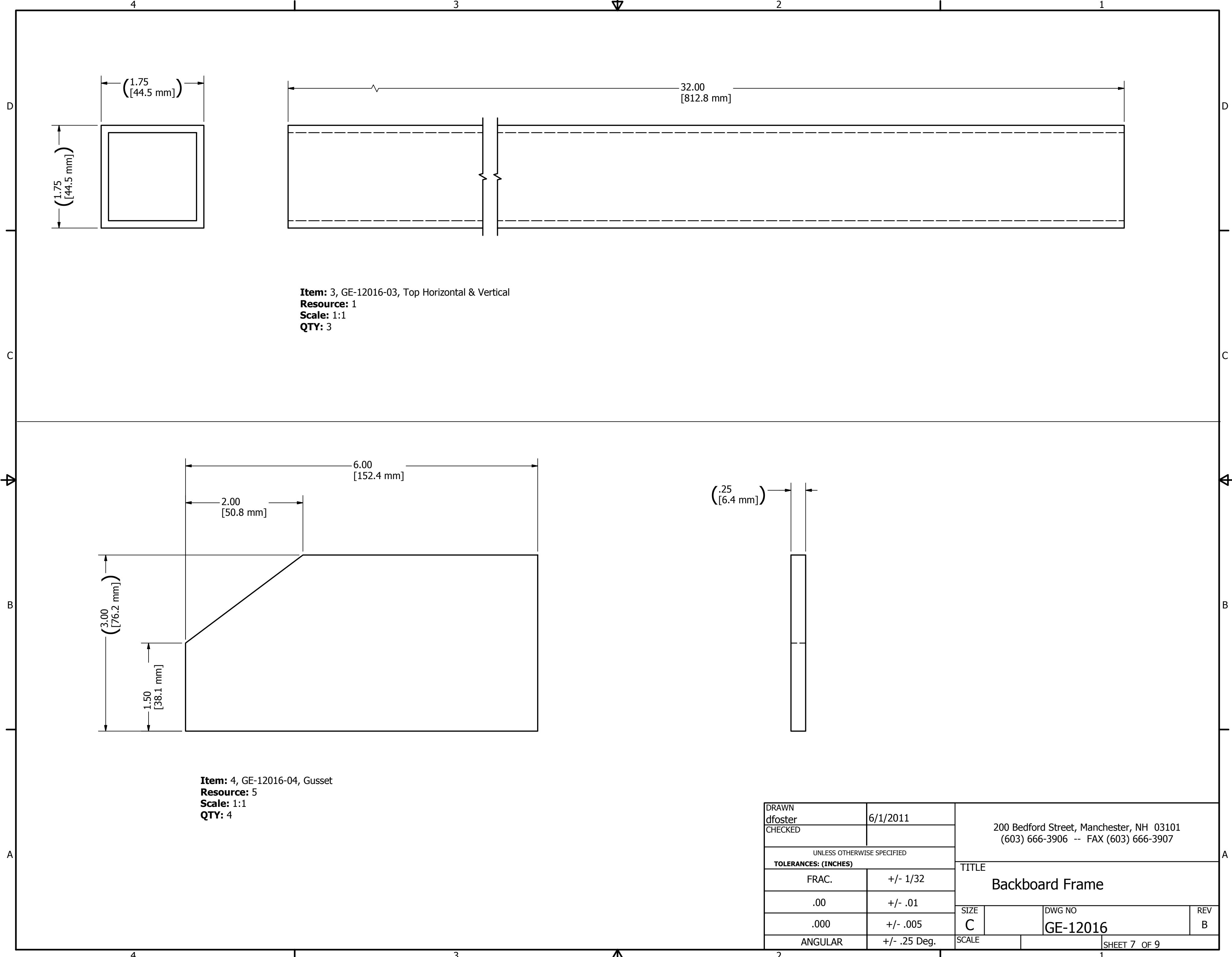
DRAWN dfoster	6/1/2011	200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
CHECKED				
UNLESS OTHERWISE SPECIFIED TOLERANCES: (INCHES)				
FRAC.	+/- 1/32	TITLE Backboard Frame		
.00	+/- .01	SIZE C		
.000	+/- .005	DWG NO GE-12016		
ANGULAR	+/- .25 Deg.	SCALE	REV B	
SHEET 6 OF 9				

4 3 2 1

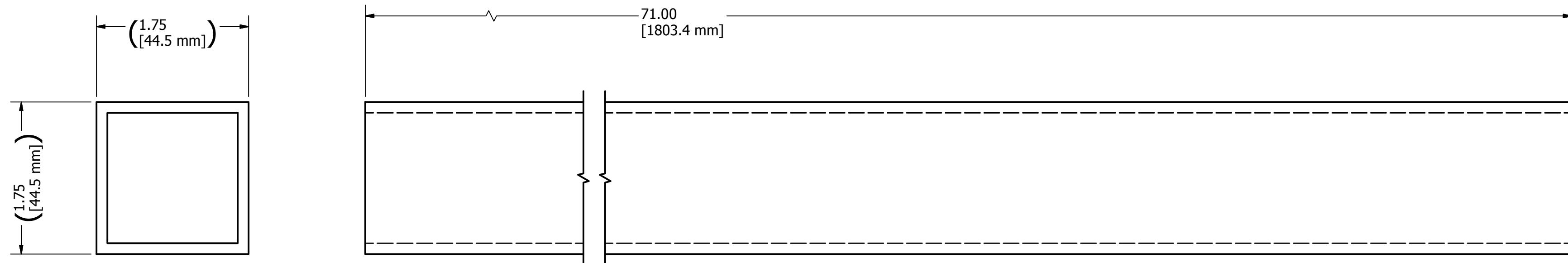
A

2

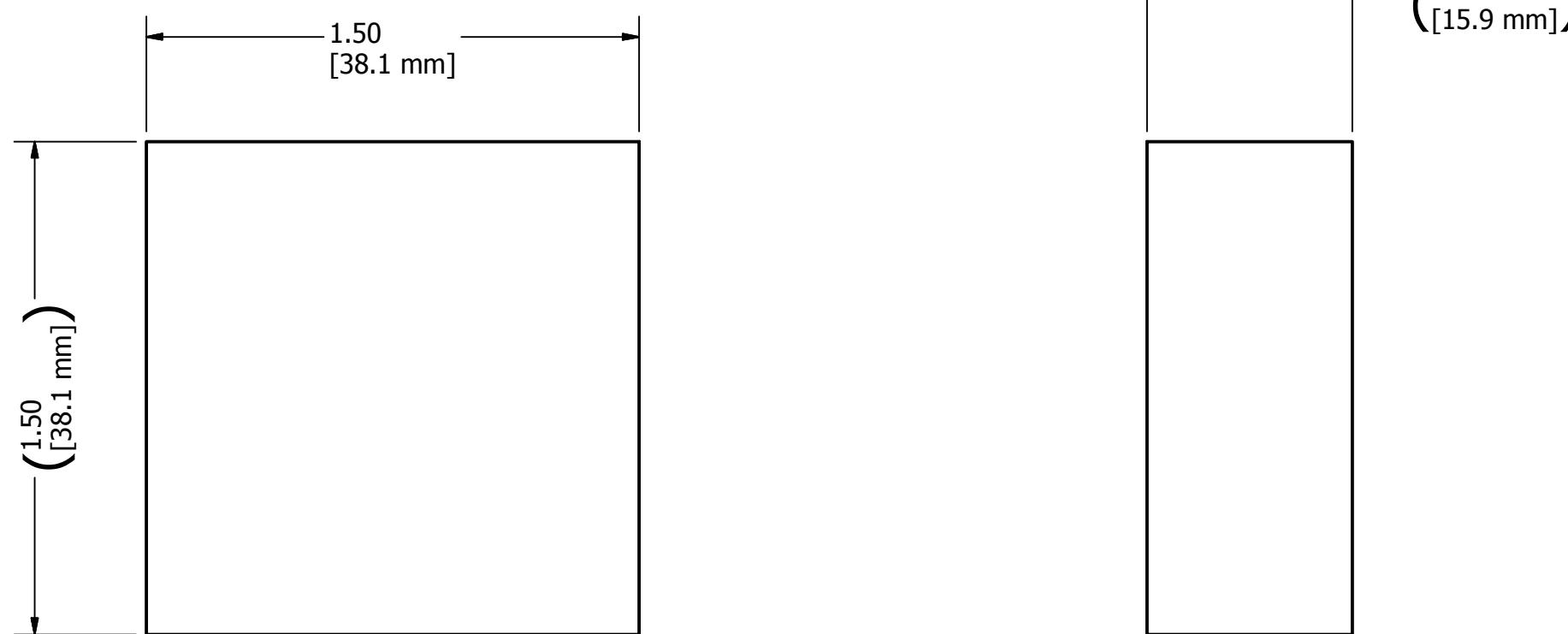
1



4 3 2 1



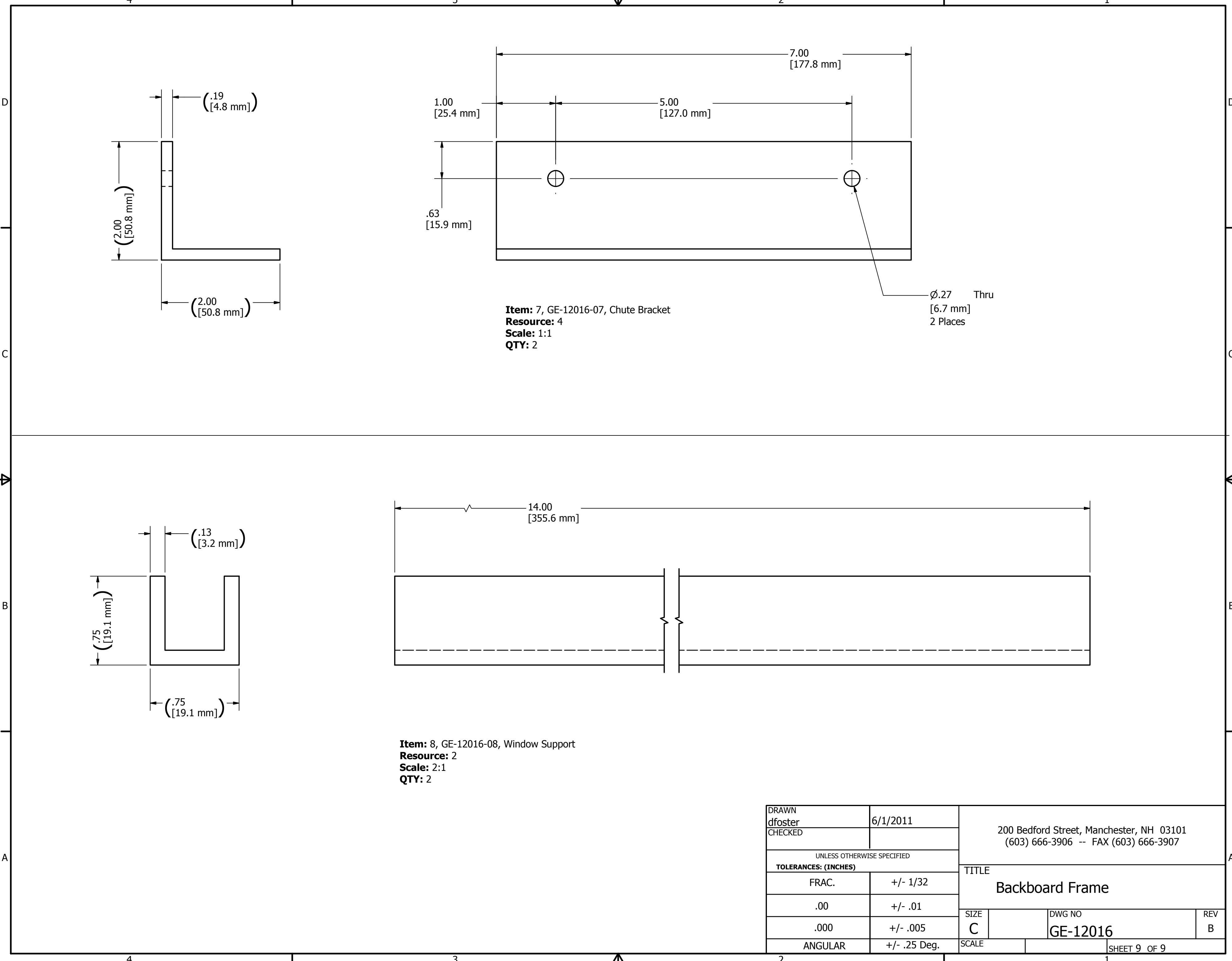
Item: 5, GE-12016-05, Middle Horizontal
Resource: 1
Scale: 1:1
QTY: 1



Item: 6, GE-12016-06, Spacer
Resource: 3
Scale: 2:1
QTY: 6

DRAWN dfoster	6/1/2011	200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
CHECKED				
UNLESS OTHERWISE SPECIFIED TOLERANCES: (INCHES)				
FRAC.	+/- 1/32	TITLE Backboard Frame		
.00	+/- .01	SIZE C		
.000	+/- .005	DWG NO GE-12016		
ANGULAR	+/- .25 Deg.	SCALE		REV B
		SHEET 8 OF 9		

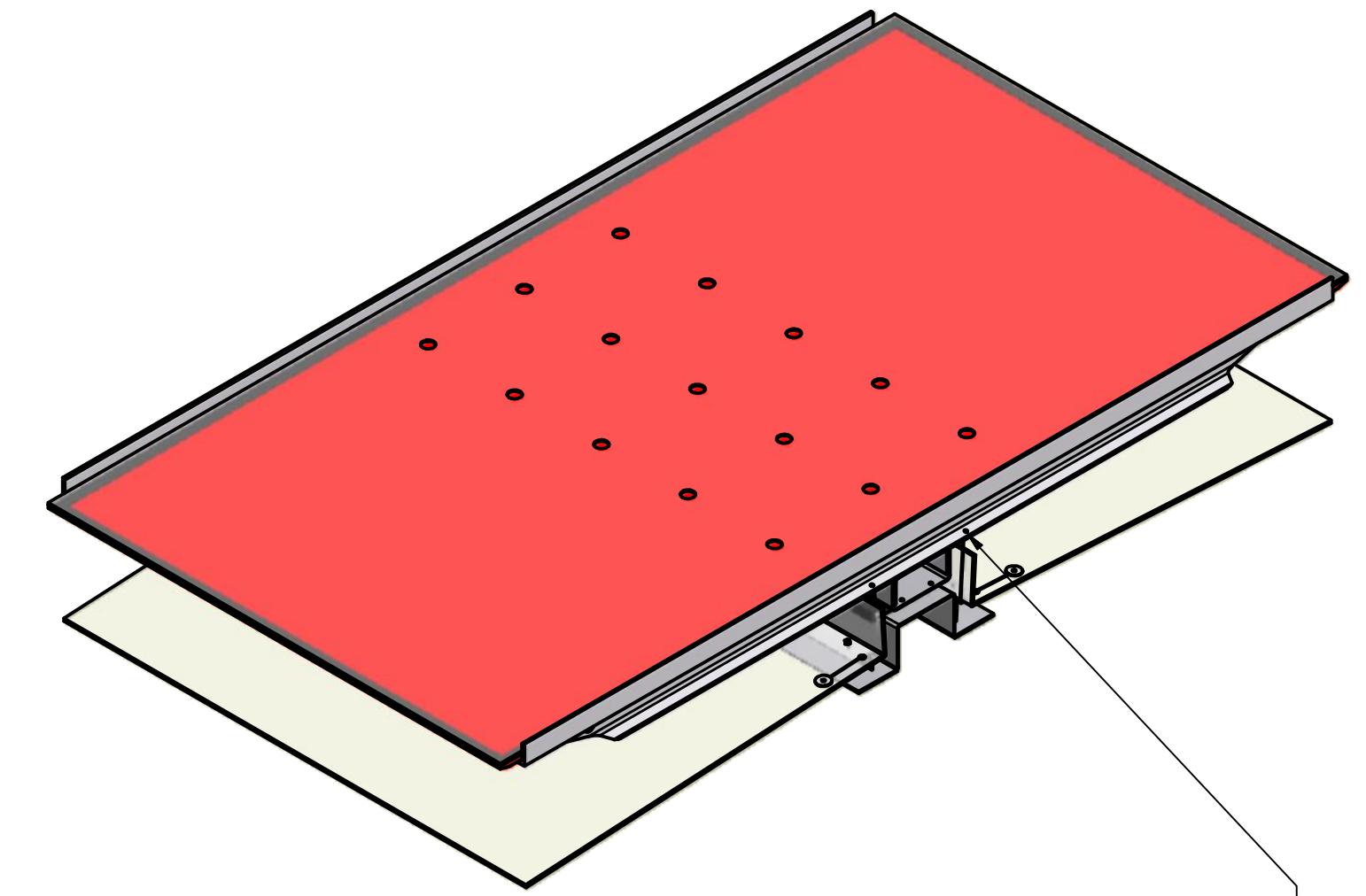
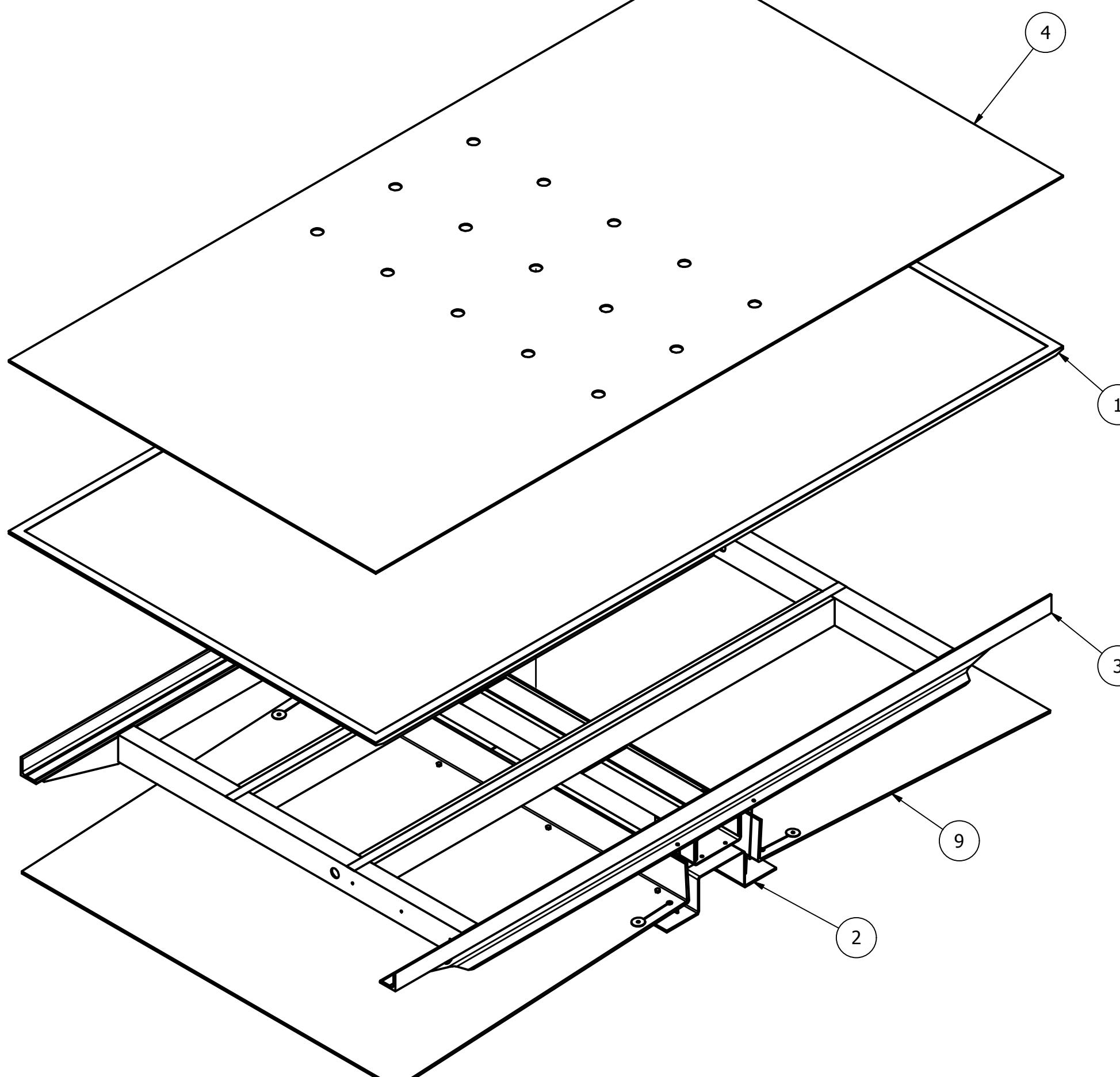
4 3 2 1



4 3 2 1

D

D



Steel leader cable that is attached to
the ramp to be zip tied to bridge at
this location. (4 places)

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	GE-12018	Bridge Deck
2	1	GE-12022	Base Assembly, Bridge
3	1	GE-12019	Bridge, Frame
4	1	GE-12095	Bridge Surface
5	1	GE-12017-01	1" Hook Velcro, Adhesive Backed, 47 feet total
6	1	GE-12017-02	1" Loop Velcro, Adhesive Backed, 47 feet total
7	2	HW-00072	Hex head bolt 3/8-16 x 6.5"
8	2	HW-00026	Nut, Nylock 3/8-16 Zinc Plate
9	2	GE-12064	Ball Ramp Assembly

DRAWN dfoster	11/19/2011	FIRST 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907	
CHECKED			
UNLESS OTHERWISE SPECIFIED			
TOLERANCES: (INCHES)		SCALE	REV
FRAC.	+/- 1/32		
.00	+/- .01		
.000	+/- .005		
ANGULAR	+/- .25 Deg.		
		SHEET 1 OF 4	

4 3 2 1

A

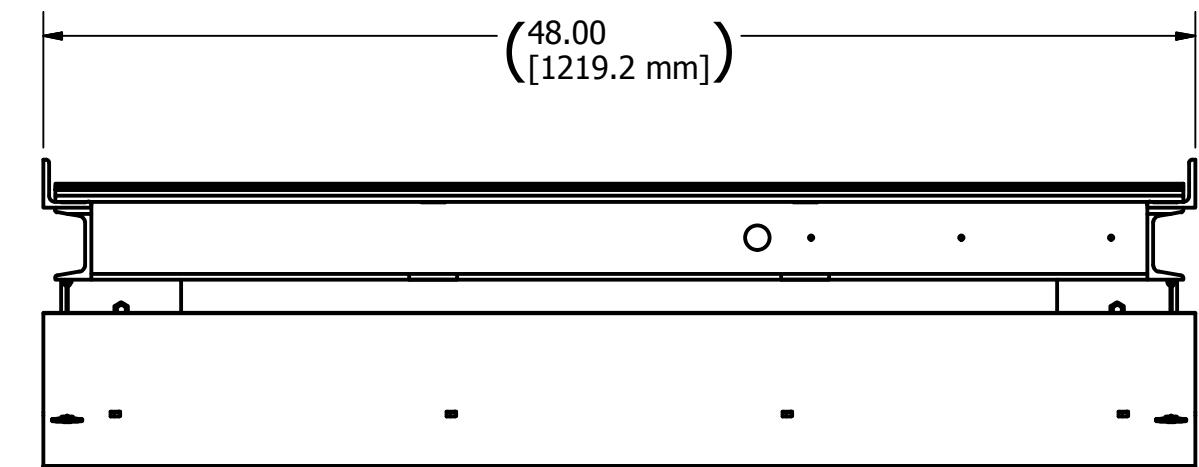
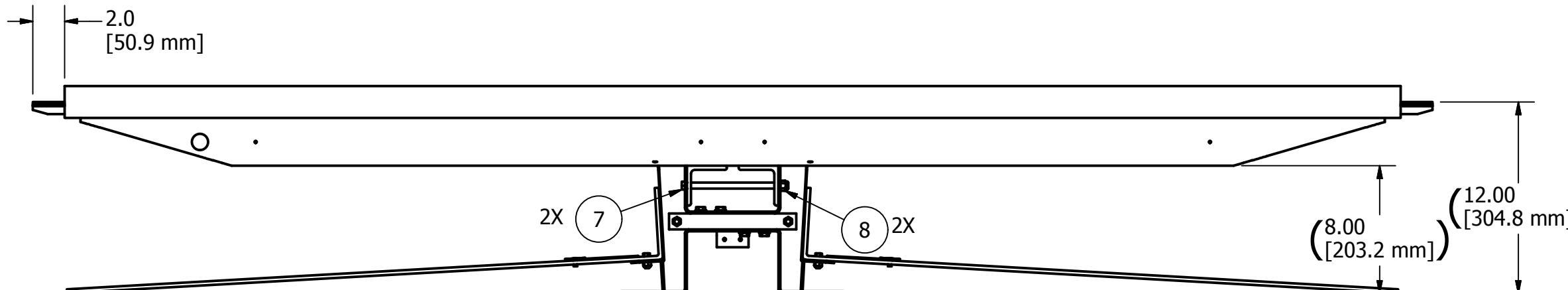
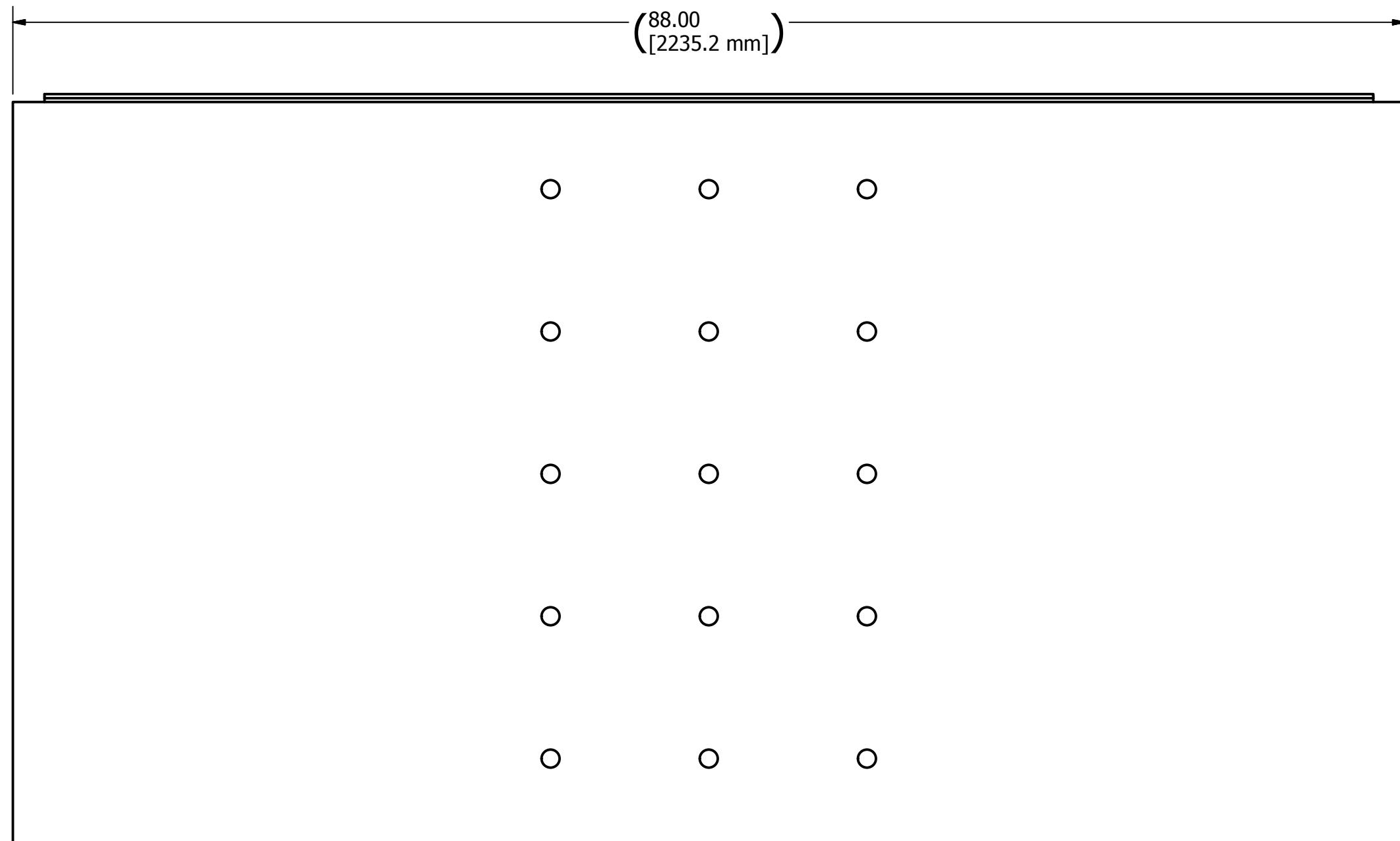
A

4

2

1

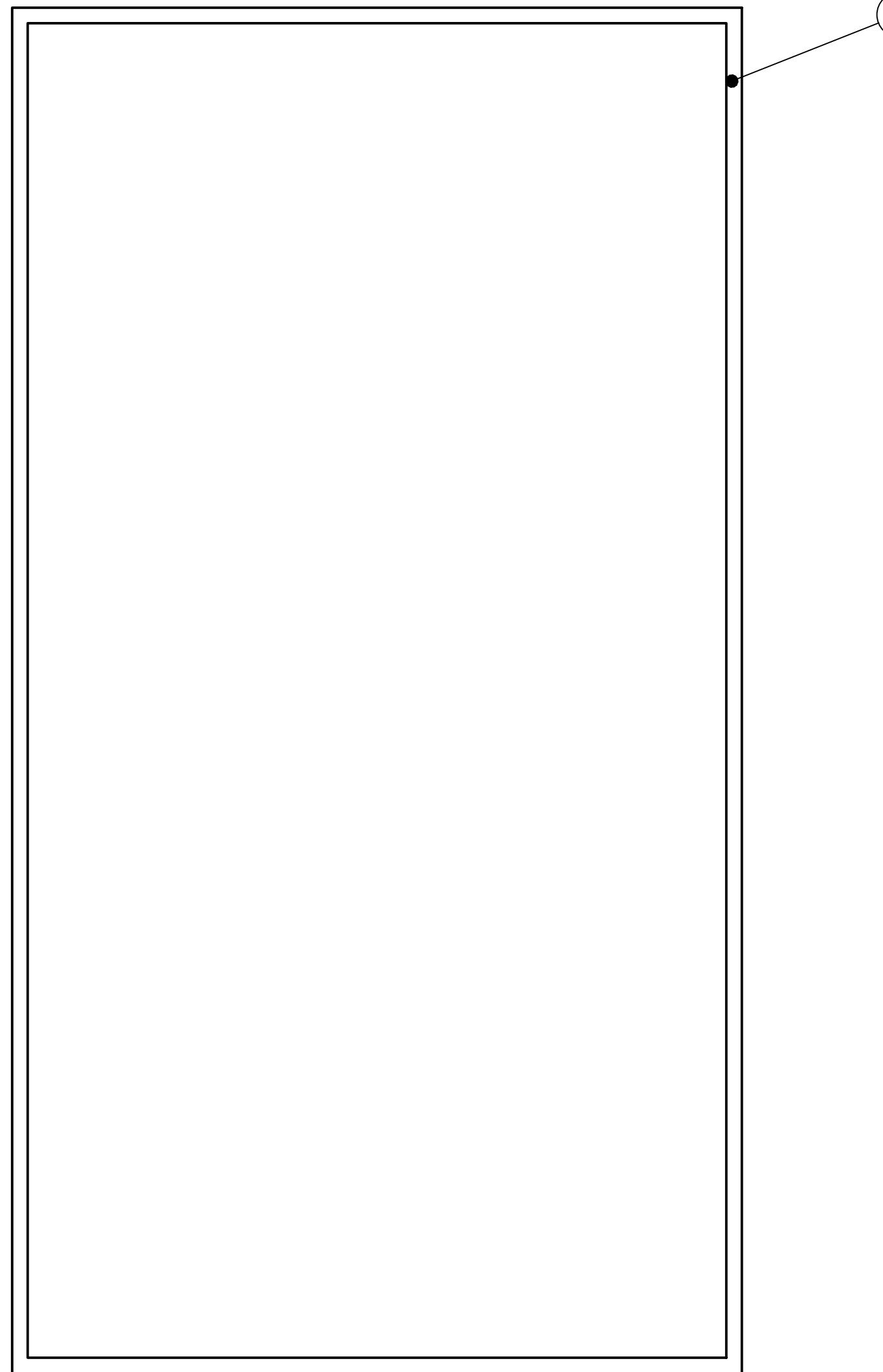
4 3 2 1



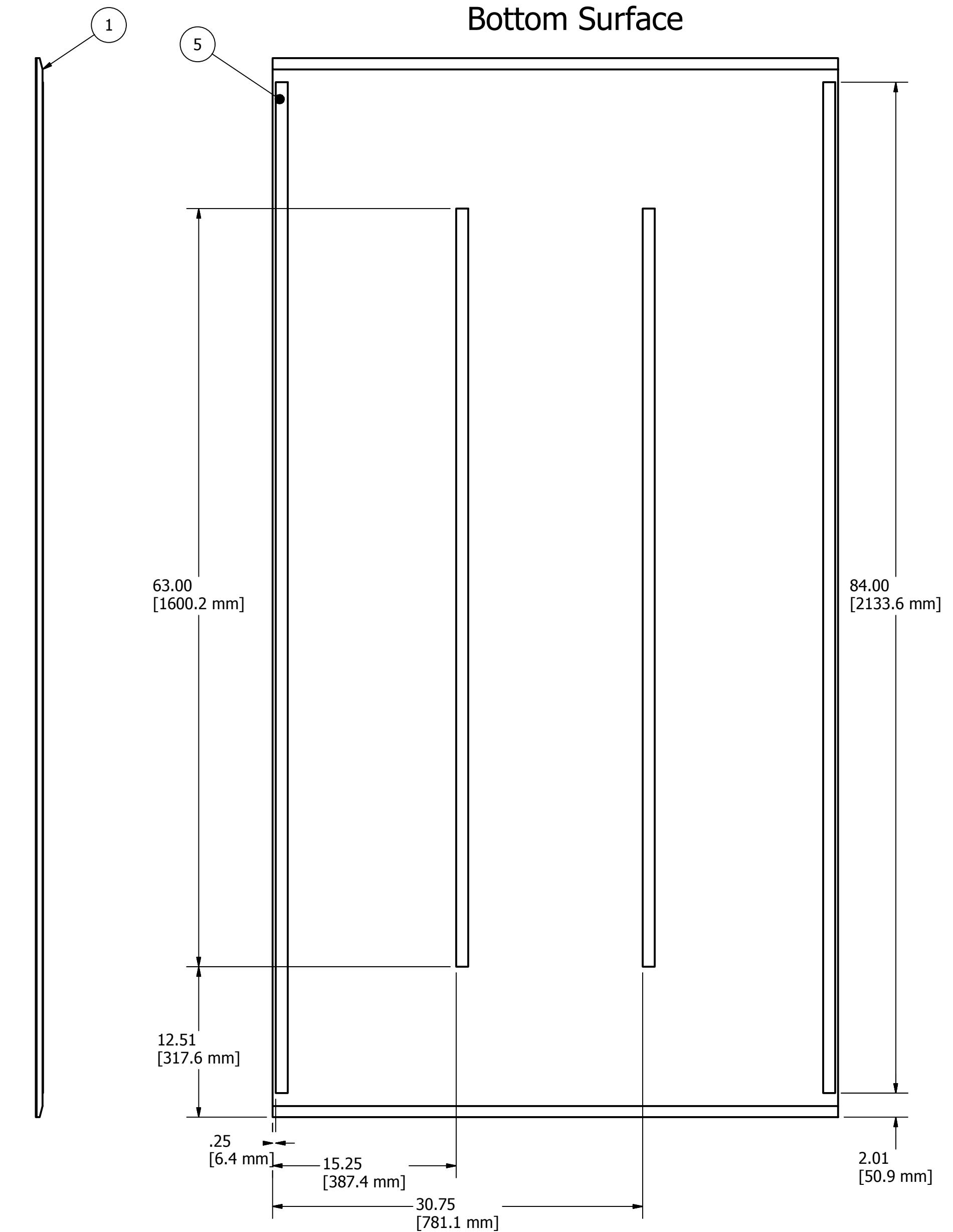
DRAWN dfoster	11/19/2011	FIRST		
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
UNLESS OTHERWISE SPECIFIED				
TOLERANCES: (INCHES)		TITLE		
FRAC.	+/- 1/32	Bridge Assembly		
.00	+/- .01	SIZE		
.000	+/- .005	DWG NO		
ANGULAR	+/- .25 Deg.	SCALE		REV
				SHEET 2 OF 4

4 3 2 1

Top Surface



Bottom Surface

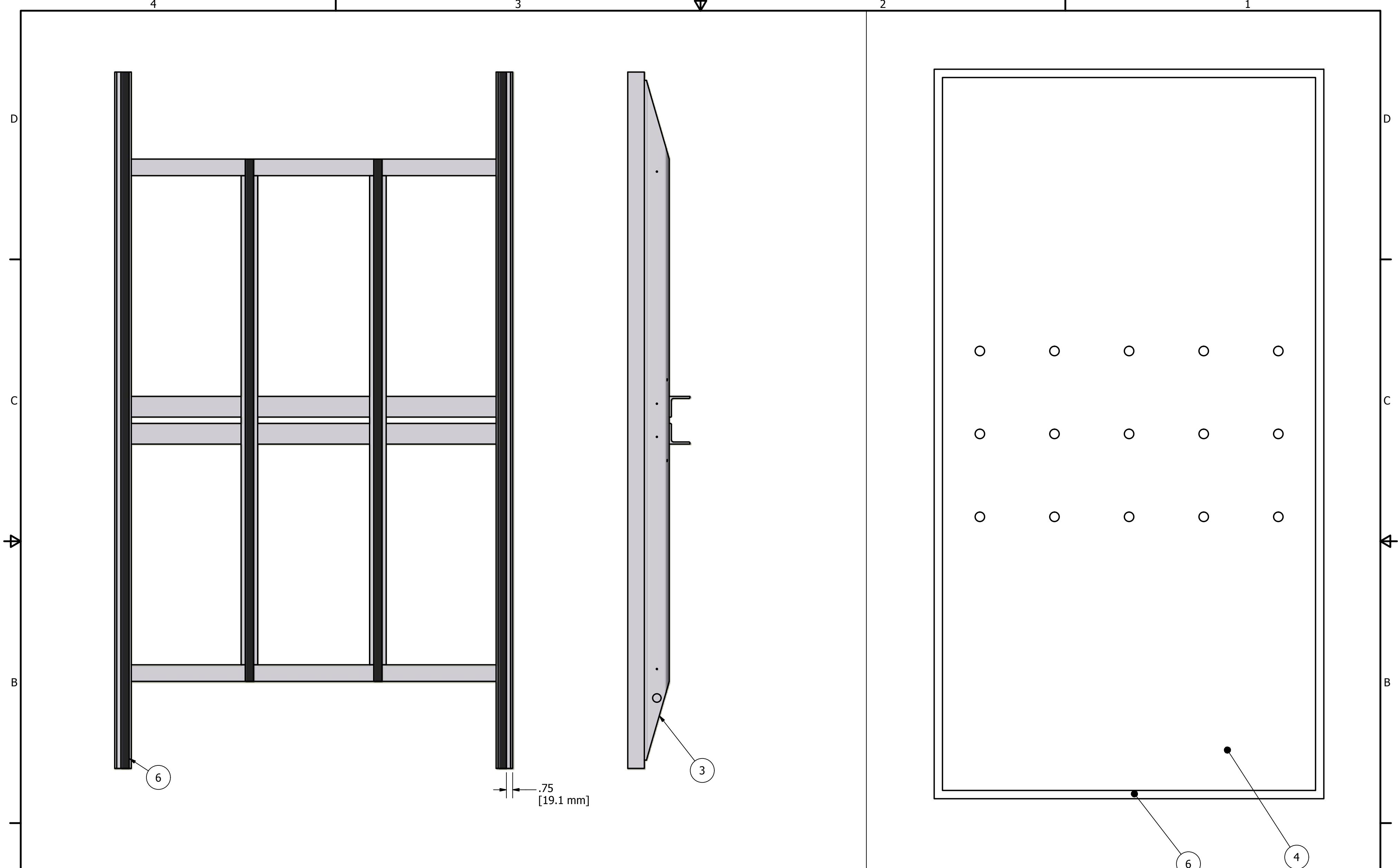


Notes:

1. All velcro applied to Bridge Deck should be 1" Hook Velcro, Adhesive Backed.
2. Surfaces should be cleaned prior to application.
3. Bottom surface velcro may be applied easier, by attaching the hook velcro for the Bridge Deck bottom to the corresponding loop velcro on the Bridge Frame then pulling the plastic covering the adhesive off and laying the Bridge Deck in its proper location.
4. The white colored Bridge Deck will have a large FIRST logo centered on the Top Surface.

DRAWN dfoster	11/19/2011	FIRST 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907			
CHECKED					
UNLESS OTHERWISE SPECIFIED					
TOLERANCES: (INCHES)					
FRAC.	+/- 1/32				
.00	+/- .01				
.000	+/- .005				
ANGULAR	+/- .25 Deg.	SCALE	DWG NO		
			GE-12017		
			REV		
			SHEET 3 OF 4		

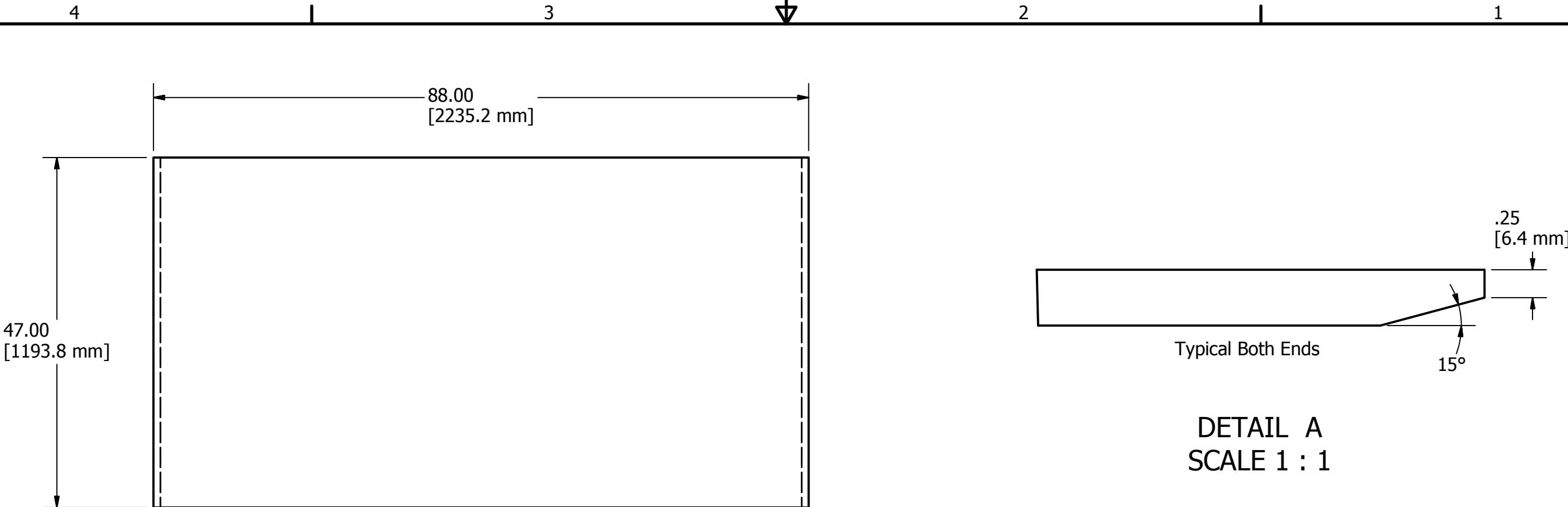
4 3 2 1



Notes:

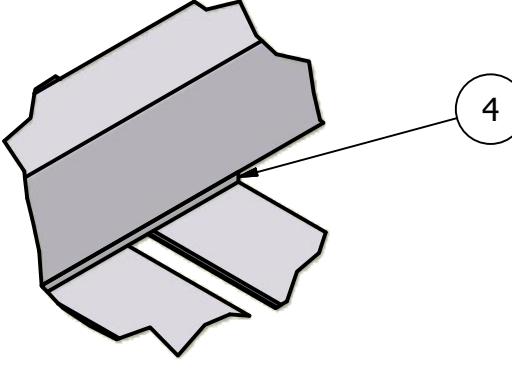
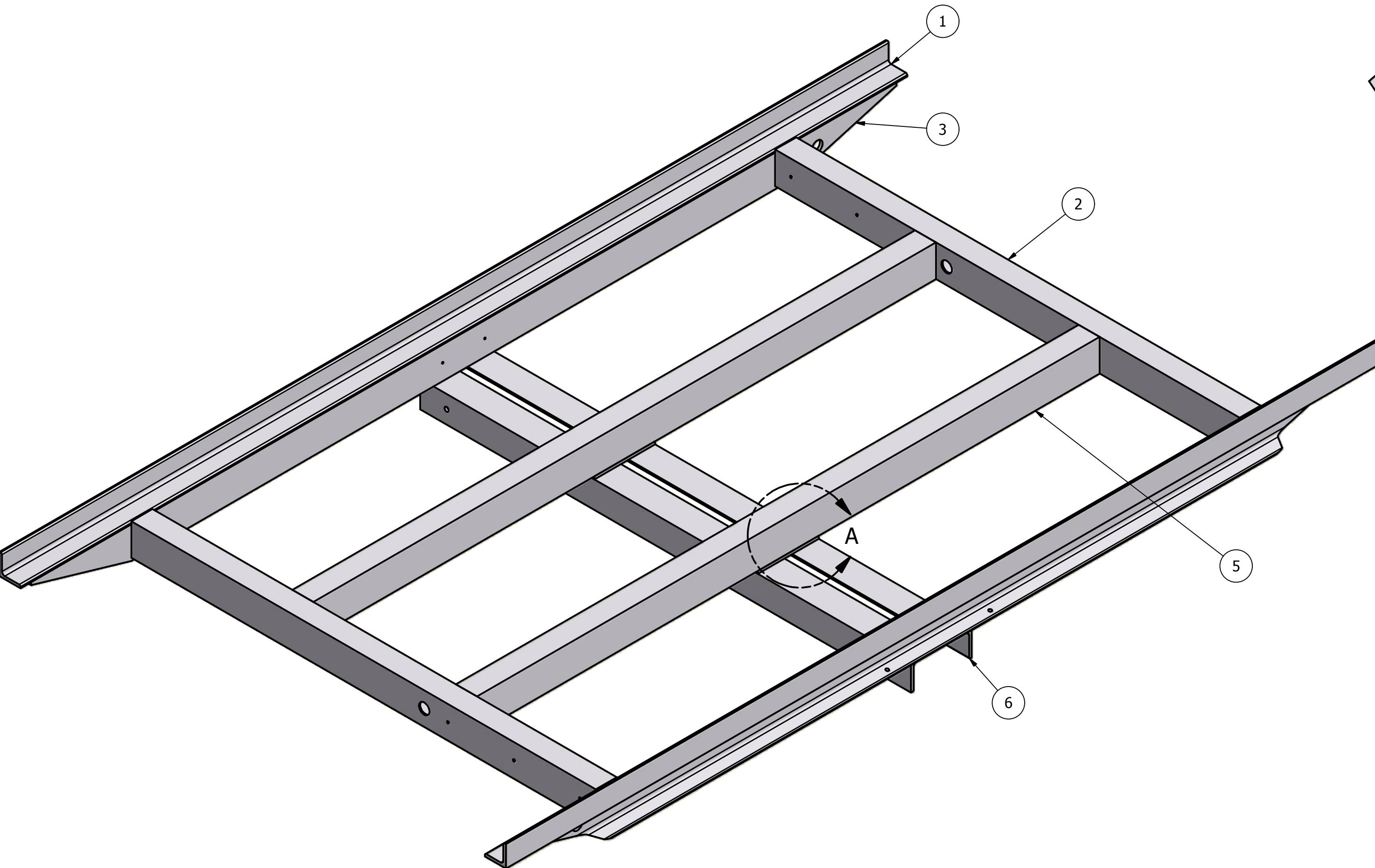
1. All velcro applied to Bridge Frame and Bridge Surface should be 1" Loop Velcro, Adhesive Backed.
2. Surfaces should be cleaned prior to application.

DRAWN dfoster	11/19/2011	FIRST					
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907					
UNLESS OTHERWISE SPECIFIED							
TOLERANCES: (INCHES)							
FRAC.	+/- 1/32	TITLE					
.00	+/- .01	Bridge Assembly					
.000	+/- .005	SIZE	DWG NO	REV			
ANGULAR	+/- .25 Deg.	SCALE	GE-12017				
				SHEET 4 OF 4			



Note: Material to be 1/2" thick HDPE in blue, red or white.

DRAWN dfoster	10/27/2011	FIRST					
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907					
UNLESS OTHERWISE SPECIFIED							
TOLERANCES: (INCHES)							
FRAC.	+/- 1/32	TITLE					
.00	+/- .01	Bridge Deck					
.000	+/- .005	SIZE	DWG NO	REV			
ANGULAR	+/- .25 Deg.	B	GE-12018				
SCALE			SHEET 1 OF 1				

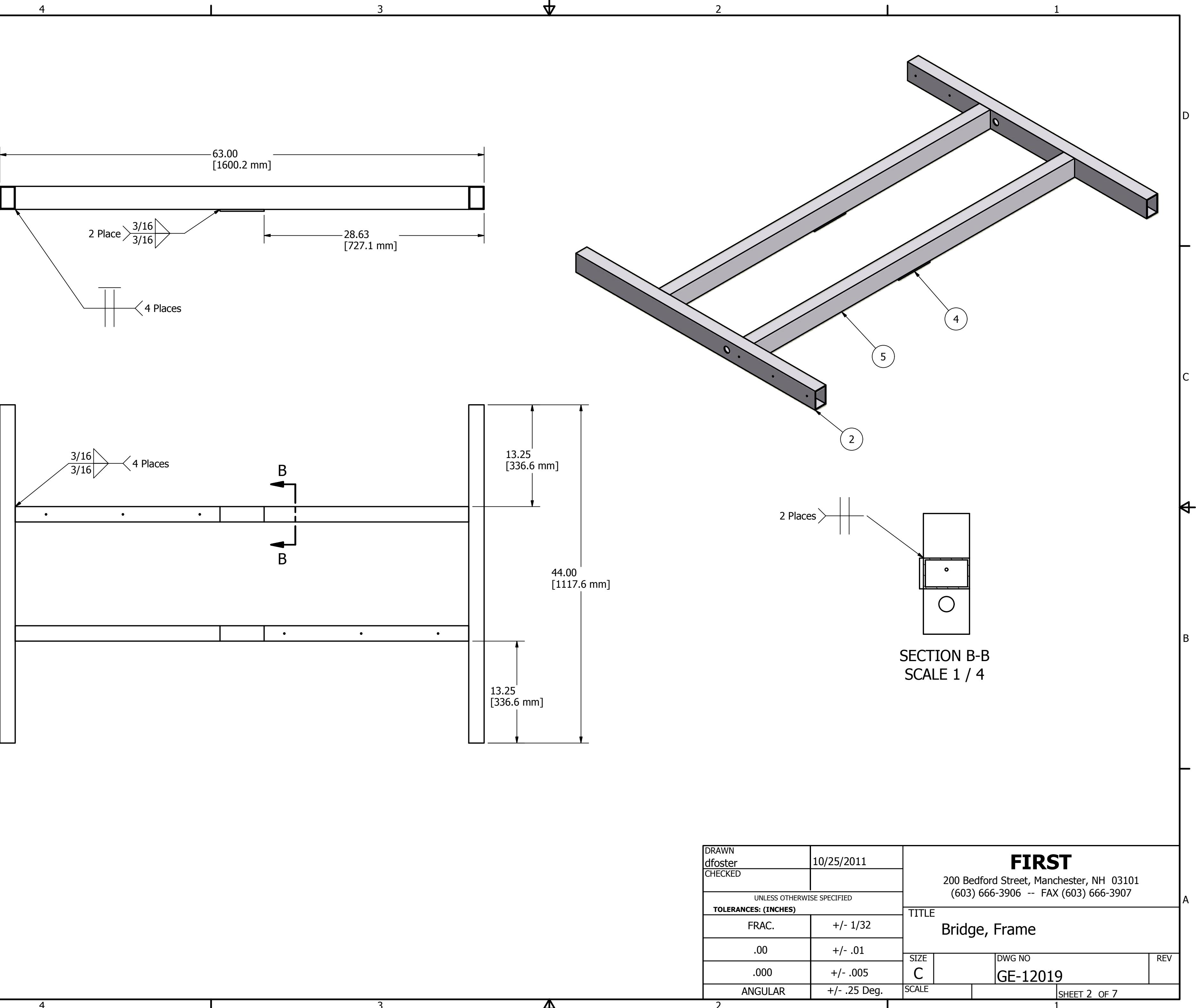


DETAIL A
SCALE 1 / 4

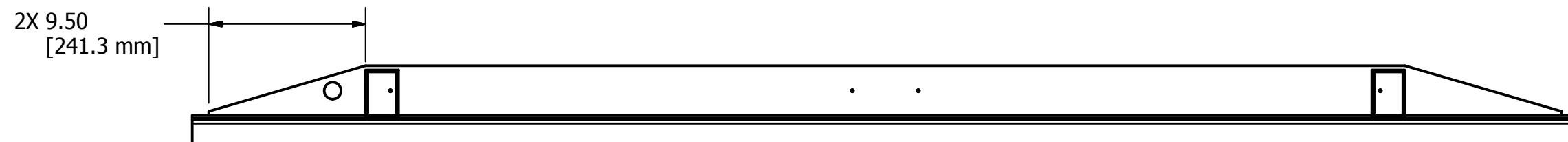
Resources		
Number	Description	QTY.
1	2" x 2" Angle 6061 Aluminum .25" thk.	15 ft
2	2" x 3" Rectangular Tube 6063 Aluminum .125" thk.	17.5 ft
3	1.5" x 3" STRUCTURAL (AM STD) CHANNEL 6061 Aluminum, .258" thk.	14 ft
4	2" x .25" 6061 Aluminum Bar	1 ft
5	2.5" x 2.5" Angle 6061 Aluminum .25" thk.	8 ft

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	GE-12019-01	Angle, Side
2	2	GE-12019-02	Tube, Cross Brace
3	2	GE-12019-03	Channel, Outside
4	2	GE-12019-04	Spacer
5	2	GE-12019-05	Support, Inside
6	2	GE-12019-06	Angle, Bottom

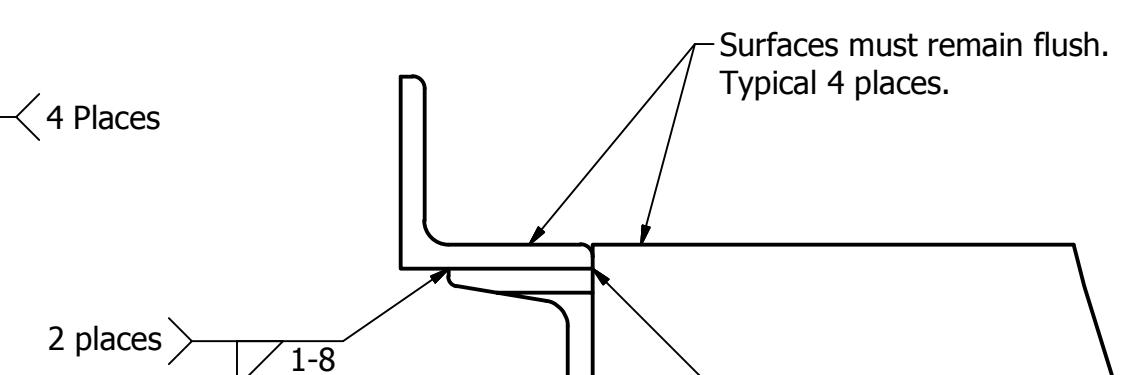
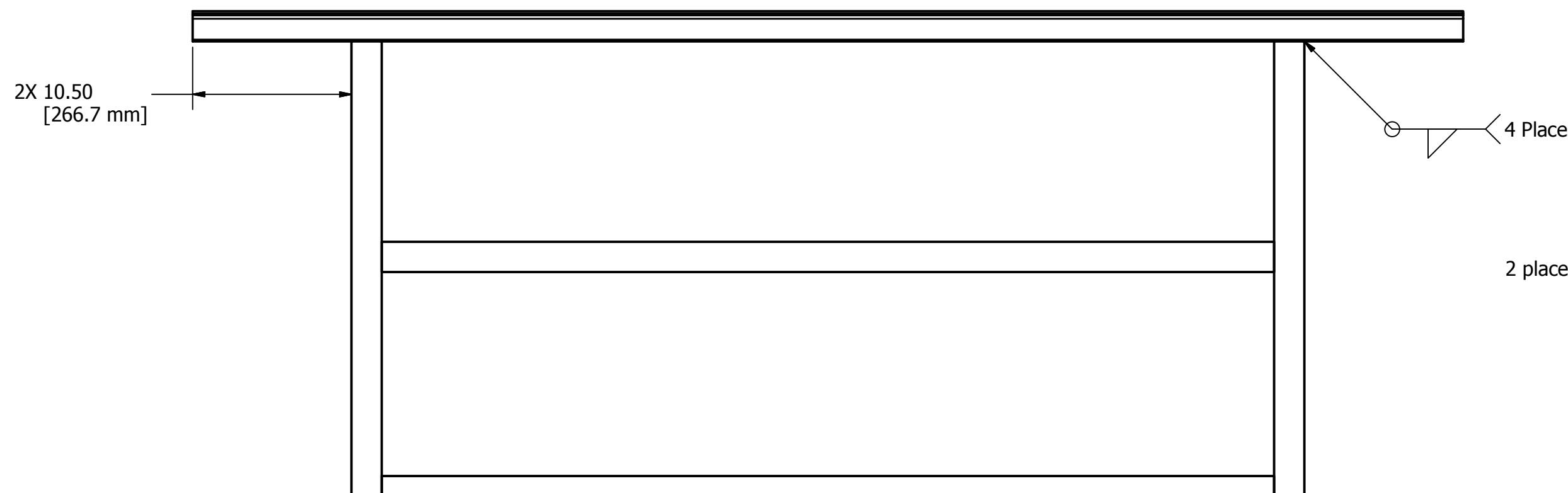
DRAWN dfoster	10/25/2011	FIRST 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907
CHECKED		
UNLESS OTHERWISE SPECIFIED		
TOLERANCES: (INCHES)		
FRAC.	+/- 1/32	
.00	+/- .01	
.000	+/- .005	
ANGULAR	+/- .25 Deg.	SIZE C DWG NO GE-12019 REV
		SCALE
		SHEET 1 OF 7



4 3 2 1

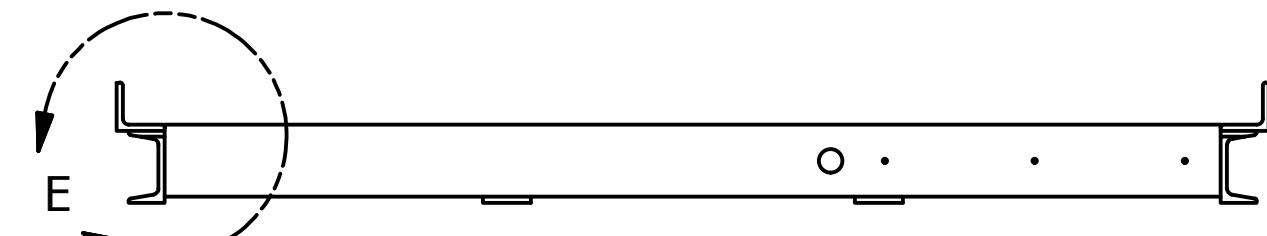
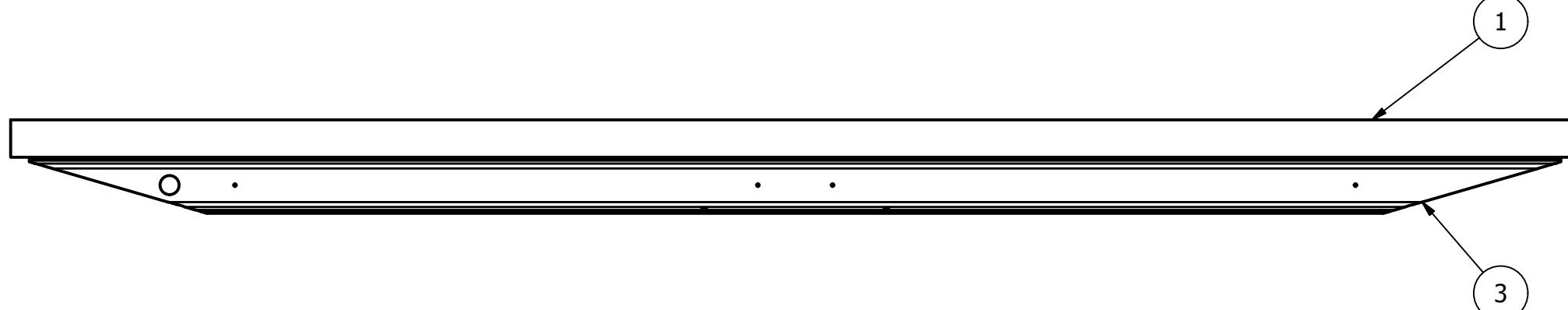
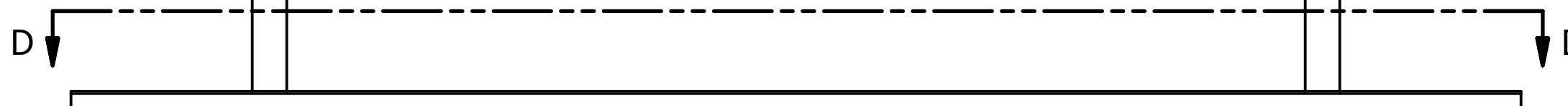


SECTION D-D
SCALE 1/8



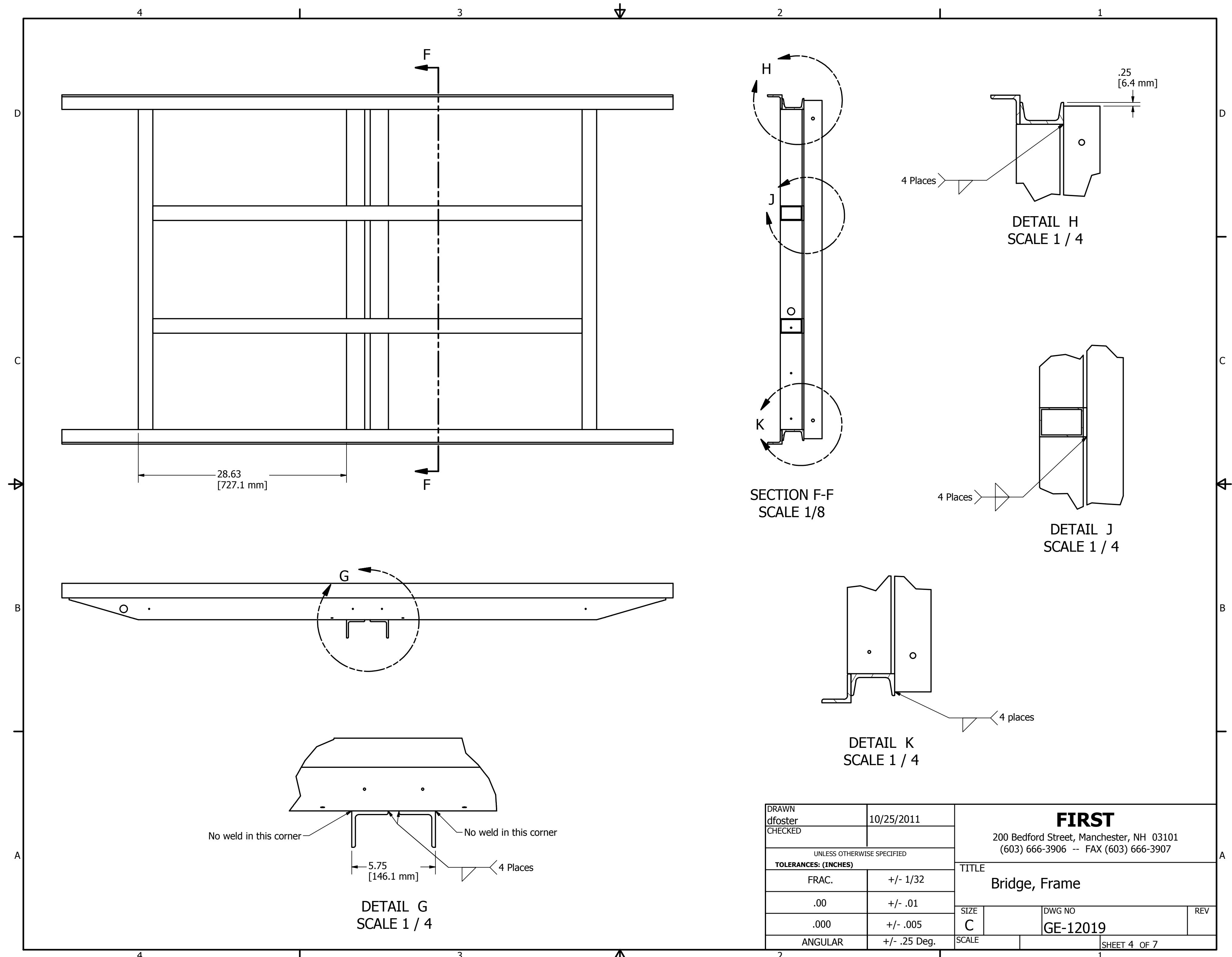
Items 1 and 3
2 places

DETAIL E
SCALE 1 / 2



DRAWN dfoster	10/25/2011	FIRST 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907	
CHECKED			
UNLESS OTHERWISE SPECIFIED			
TOLERANCES: (INCHES)			
FRAC.	+/- 1/32		
.00	+/- .01		
.000	+/- .005		
ANGULAR	+/- .25 Deg.	SCALE	DWG NO
			GE-12019
		REV	
			SHEET 3 OF 7

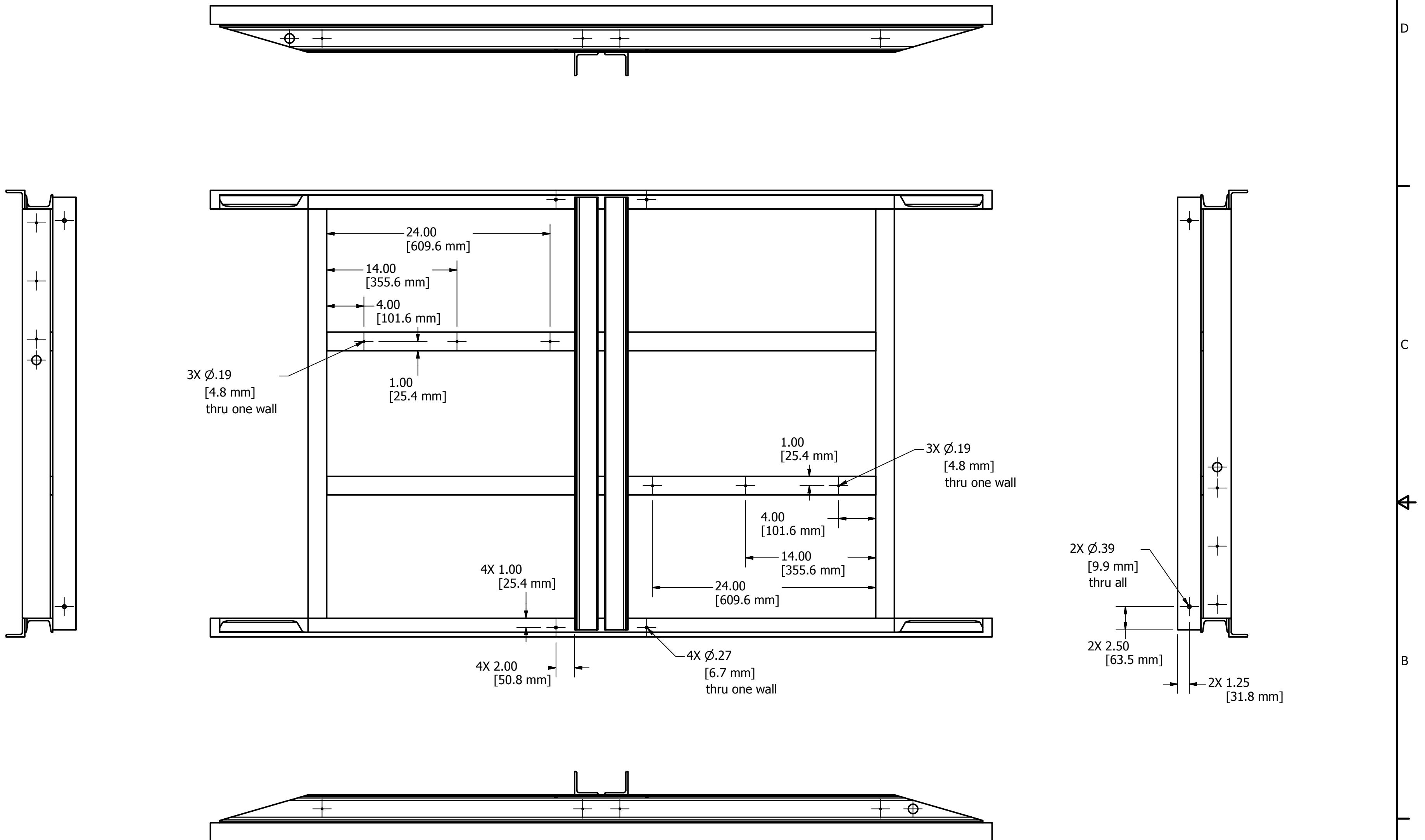
4 3 2 1



4

5

1



Note: If holes are not dimensioned here they are dimensioned on the piece parts on sheets 6-7 and can be drilled prior to welding.

DRAWN dfoster	10/25/2011	FIRST 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
CHECKED				
UNLESS OTHERWISE SPECIFIED				
TOLERANCES: (INCHES)		TITLE Bridge, Frame		
FRAC.	+/- 1/32			
.00	+/- .01	SIZE C	DWG NO GE-12019	REV
.000	+/- .005			
ANGULAR	+/- .25 Deg.	SCALE		SHEET 5 OF 7

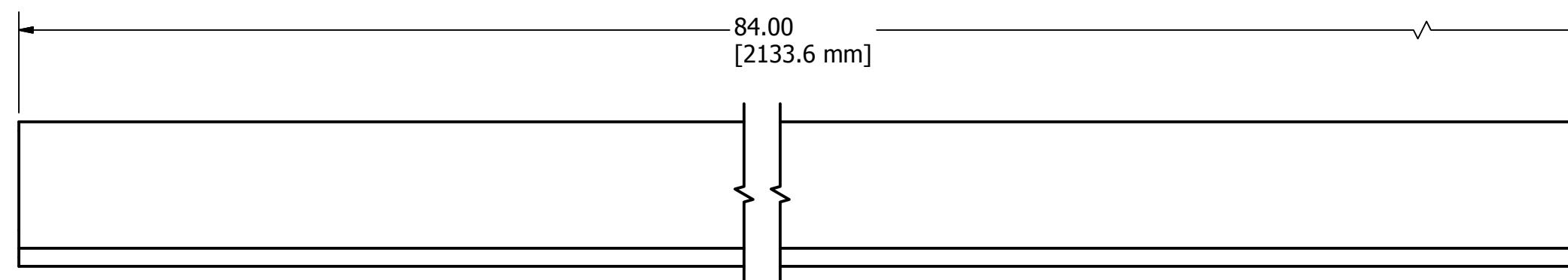
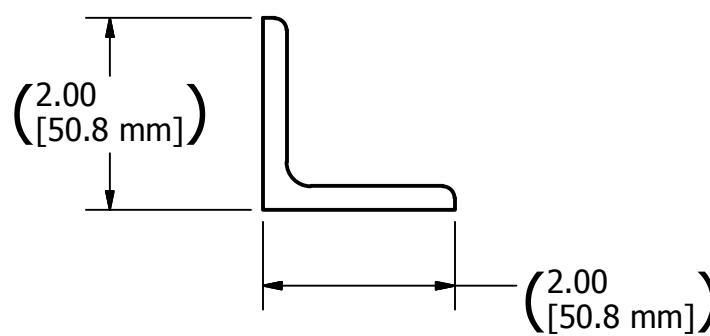
4

3

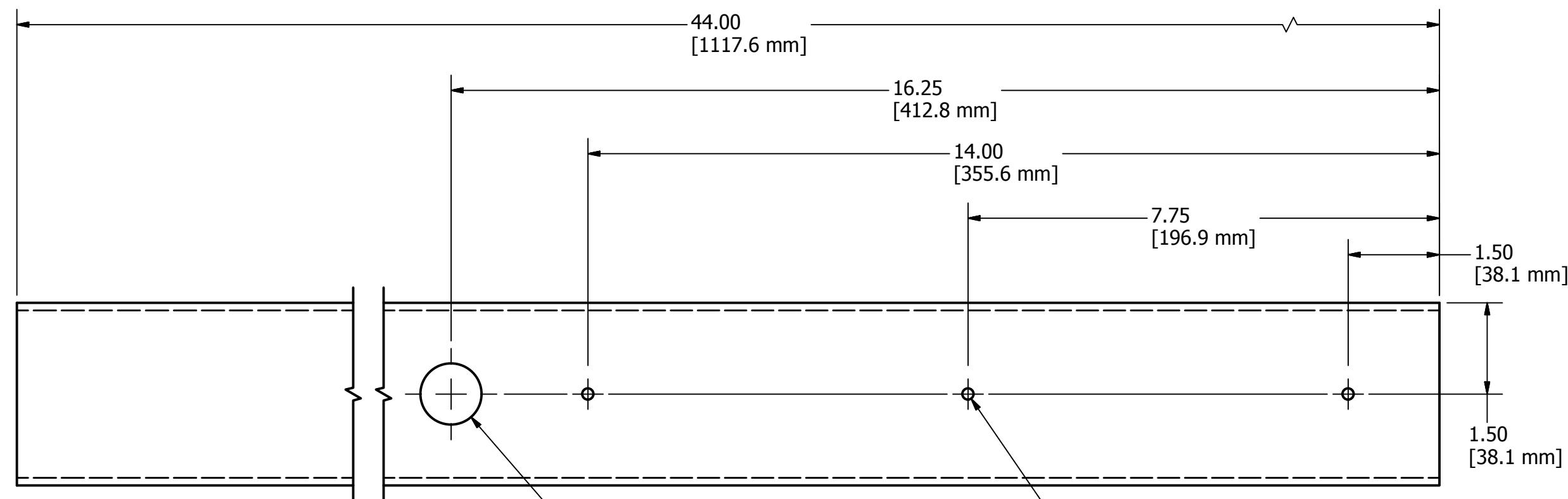
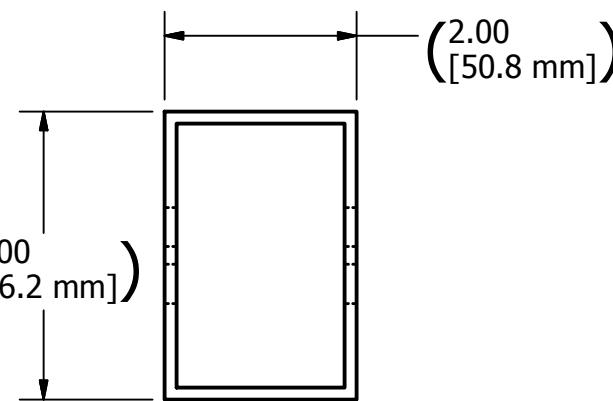
2

1

D



C



A

Item: 1, GE-12019-01 Angle, Side
Resource: 1
Scale: 1:2
QTY: 2

Item: 2, GE-12019-02 Tube, Cross Brace
Resource: 2
Scale: 1:2
QTY: 2

DRAWN dfoster	10/25/2011	FIRST		
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
UNLESS OTHERWISE SPECIFIED				
TOLERANCES: (INCHES)		TITLE		
FRAC.	+/- 1/32	Bridge, Frame		REV
.00	+/- .01	SIZE		DWG NO
.000	+/- .005	C		GE-12019
ANGULAR	+/- .25 Deg.	SCALE		SHEET 6 OF 7

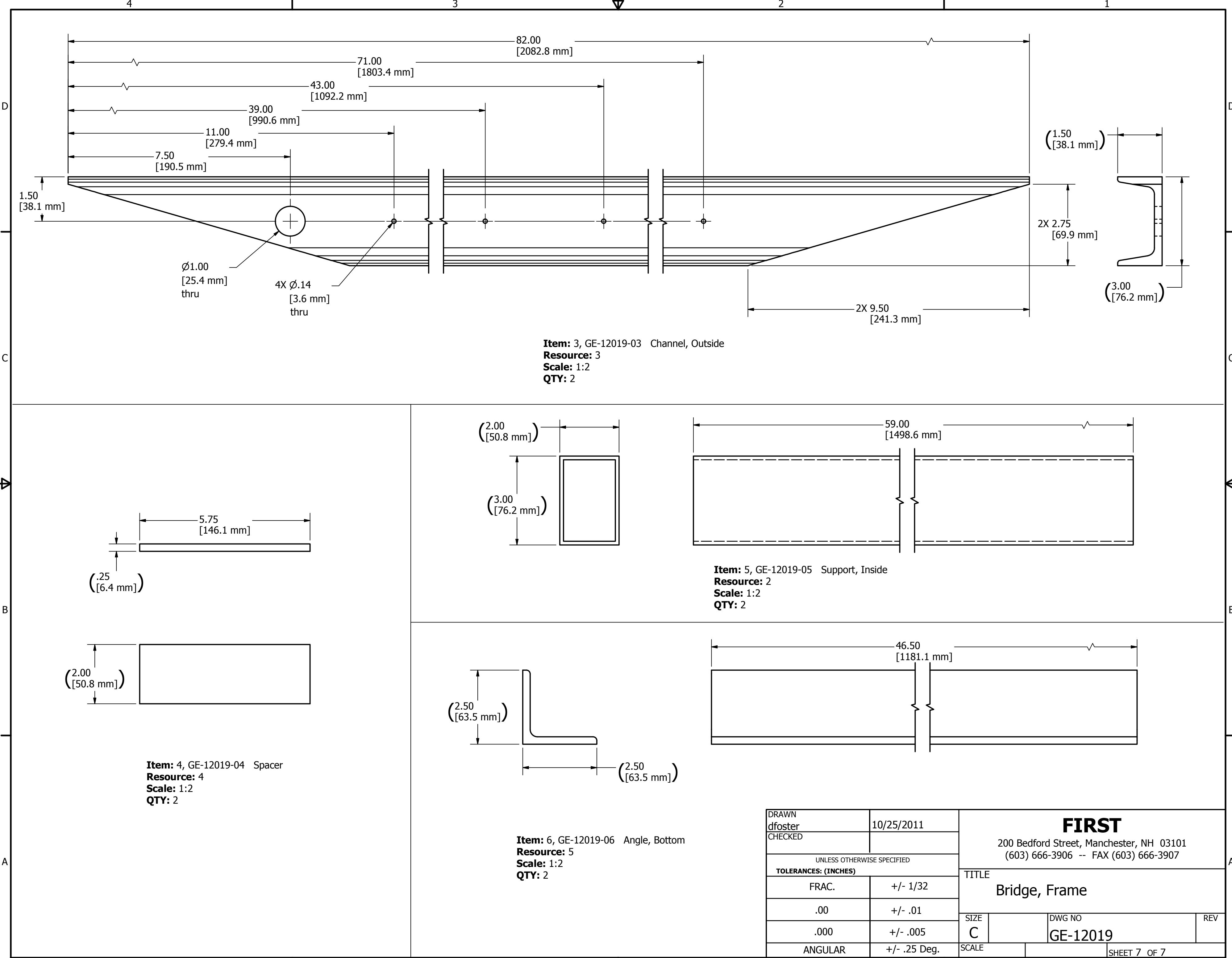
4

3

2

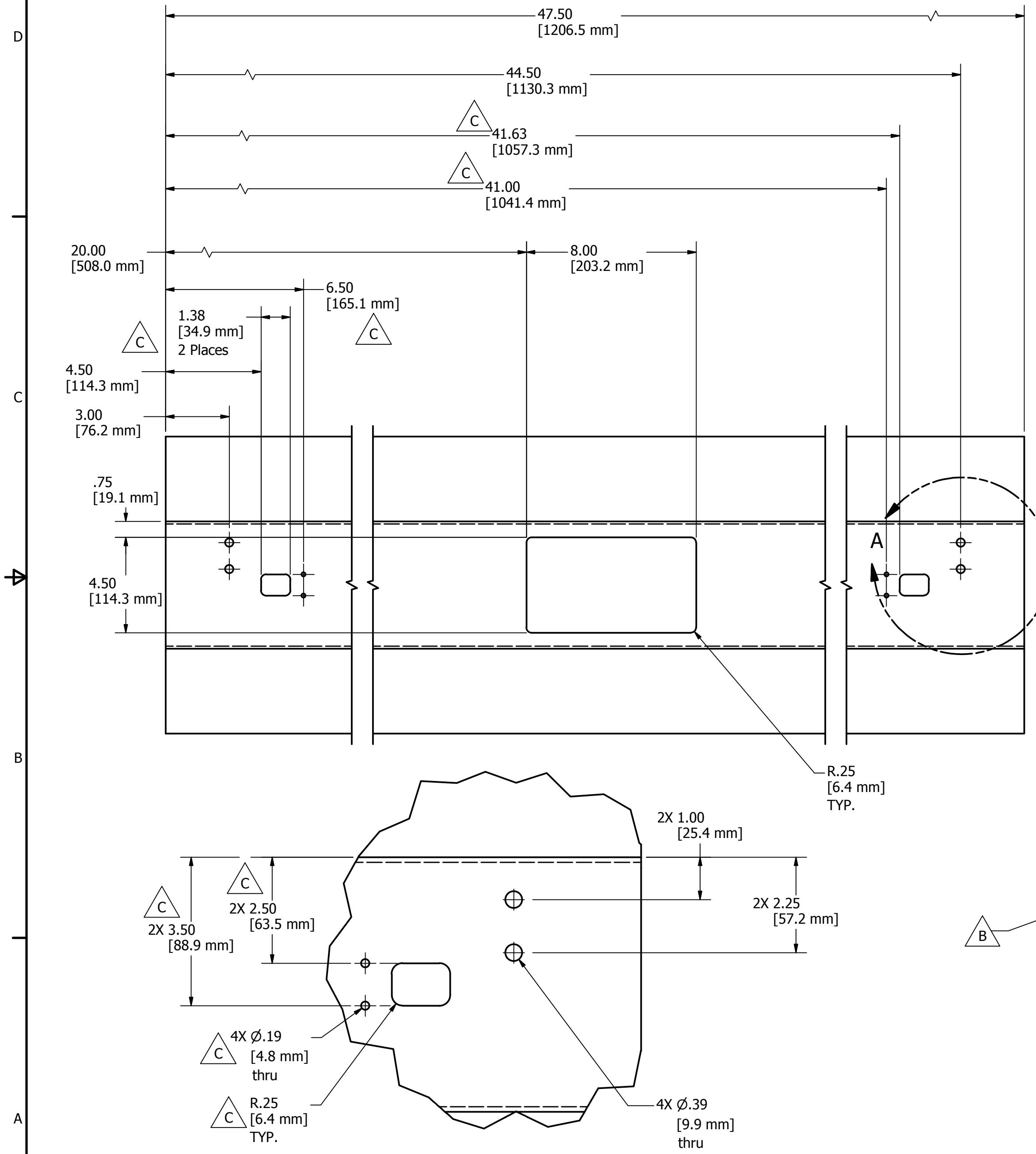
1

4



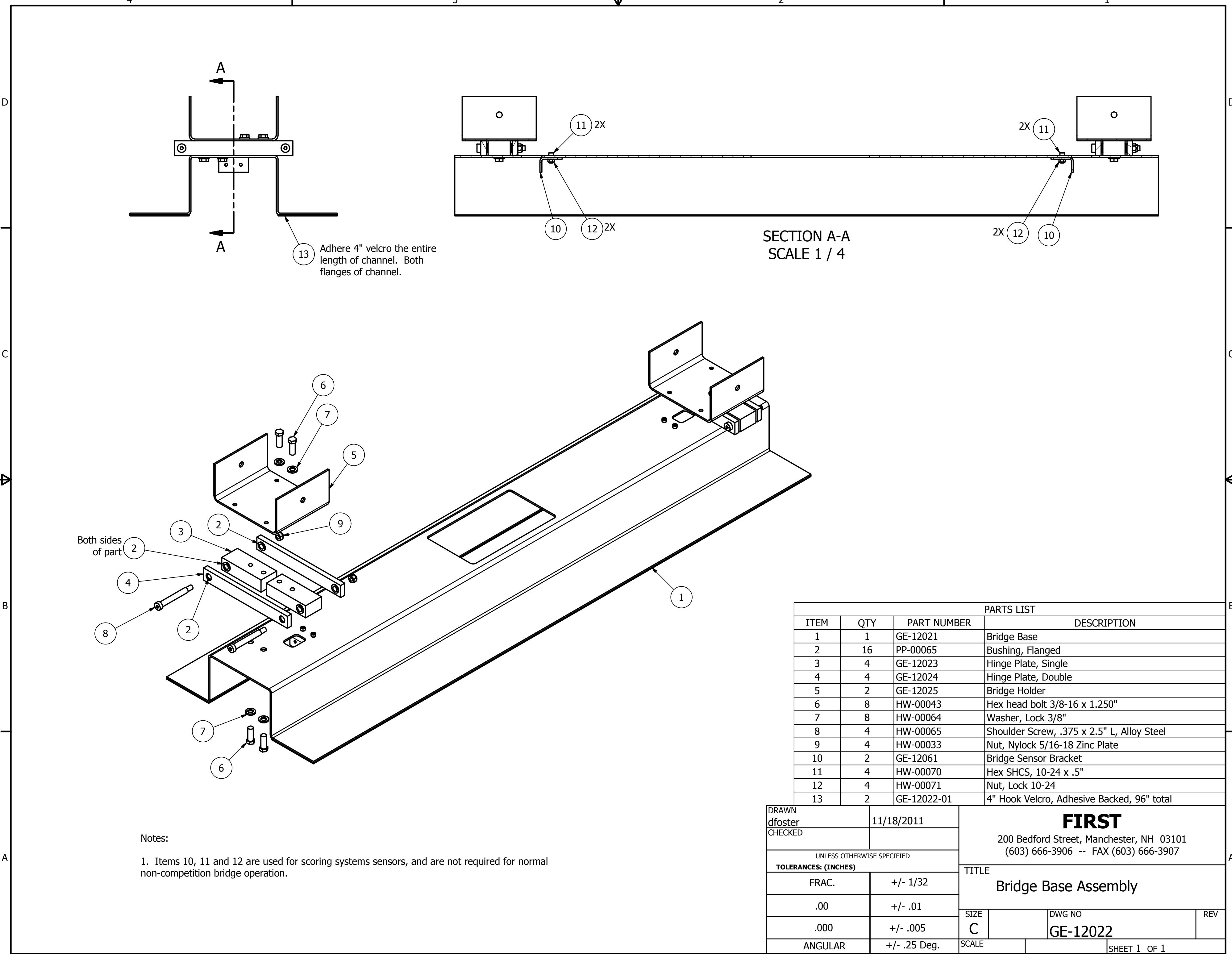
REVISION HISTORY

ZONE	REV	DESCRIPTION	DATE	APPROVED
C1	A	Added the overall height dimension	10/27/2011	MLC
B2	B	Changed plating to Zinc with clear Chromate	11/1/2011	MLC
C3, C4 & B4	C	Added 1"x2" pockets and .19 dia holes	11/8/2011	DAF



DETAIL A
SCALE 1/2

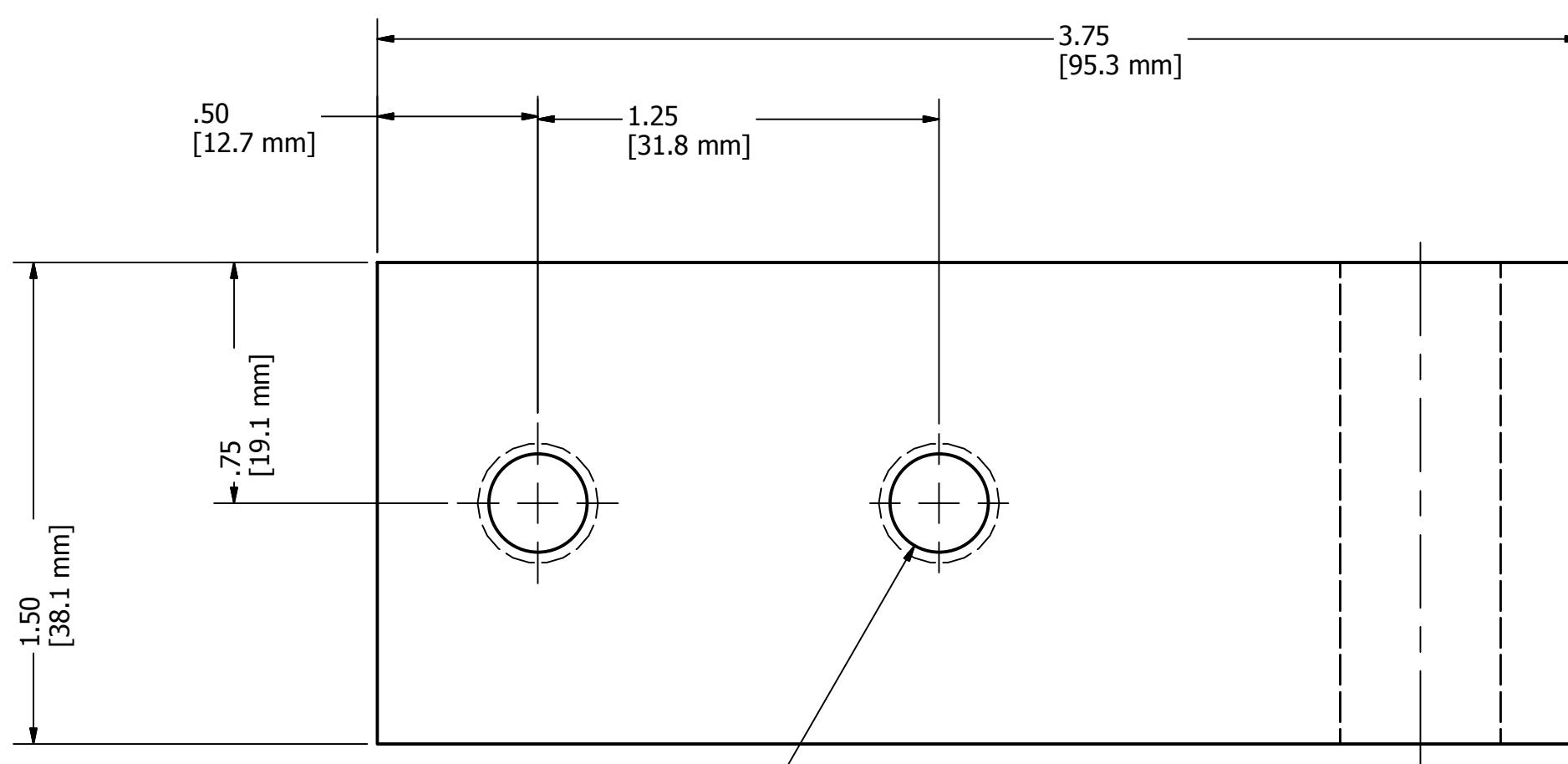
DRAWN dfoster	10/25/2011	FIRST			
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907			
UNLESS OTHERWISE SPECIFIED					
TOLERANCES: (INCHES)					
FRAC.	+/- 1/32	SIZE	DWG NO		
.00	+/- .01	C	GE-12021		
.000	+/- .005	SCALE	REV		
ANGULAR	+/- .25 Deg.		C		
SHEET 1 OF 1					



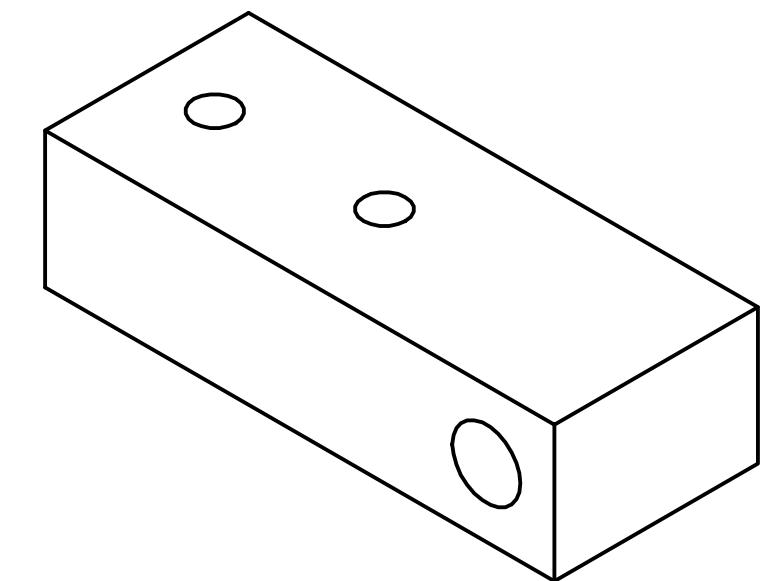
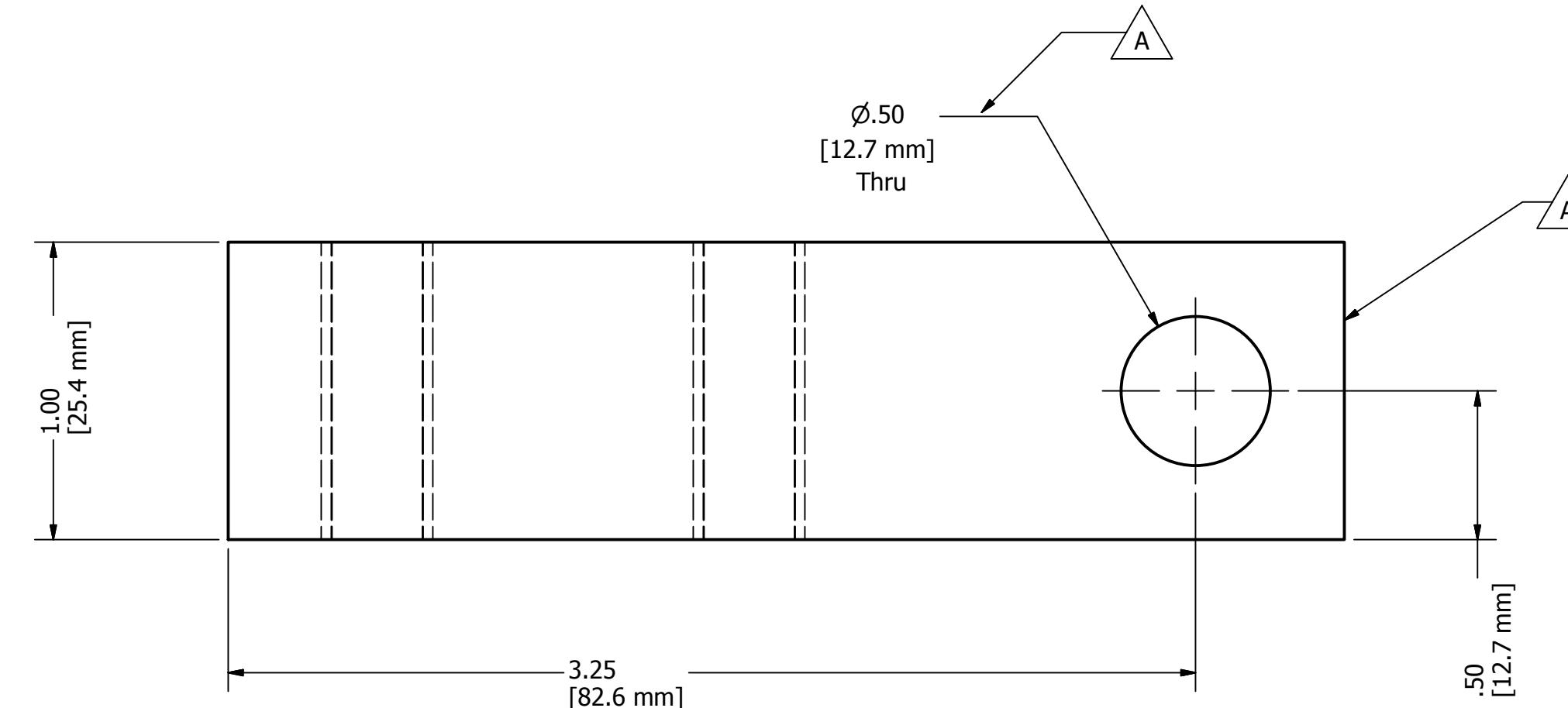
4 3 2 1

REVISION HISTORY

ZONE	REV	DESCRIPTION	DATE	APPROVED
B2, 3	A	Removed R .50, changed Dia.50 @ 1" deep to a thru hole	10/11/2011	MLC



3/8-16 Thread Thru
2 Places

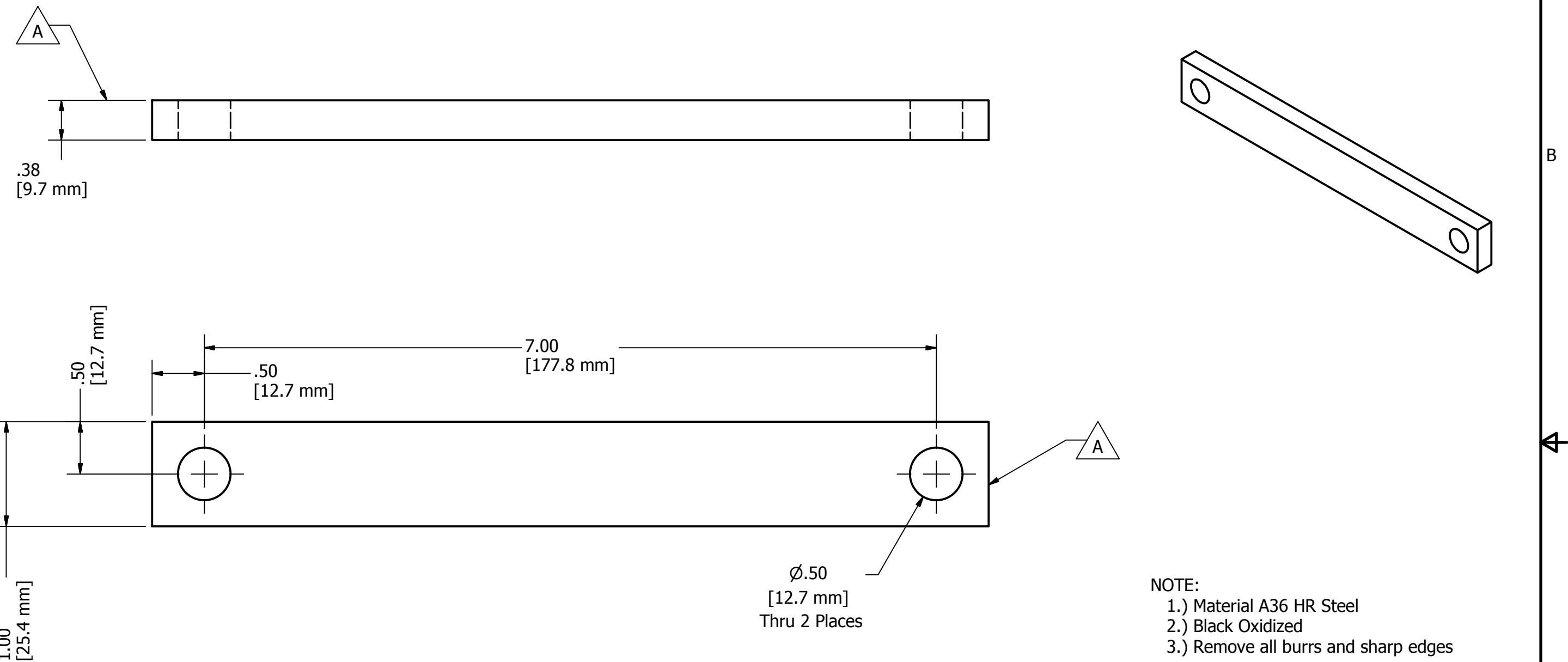


NOTE:
1.) Material A36 HR Steel
2.) Black Oxide Finish
3.) Remove all burrs and sharp edges

DRAWN dfoster	6/20/2011	200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907					
UNLESS OTHERWISE SPECIFIED							
TOLERANCES: (INCHES)							
FRAC.	+/- 1/32						
.00	+/- .01						
.000	+/- .005						
ANGULAR	+/- .25 Deg.	SCALE	DWG NO	REV			
			GE-12023	A			
			SHEET 1 OF 1				

4 3 2 1

4	3	2	1		
ZONE		REV	DESCRIPTION	DATE	APPROVED
B4, C3		A	Removed R.50 on both ends, Changed 1.5" width to .375"	10/11/2011	MLC



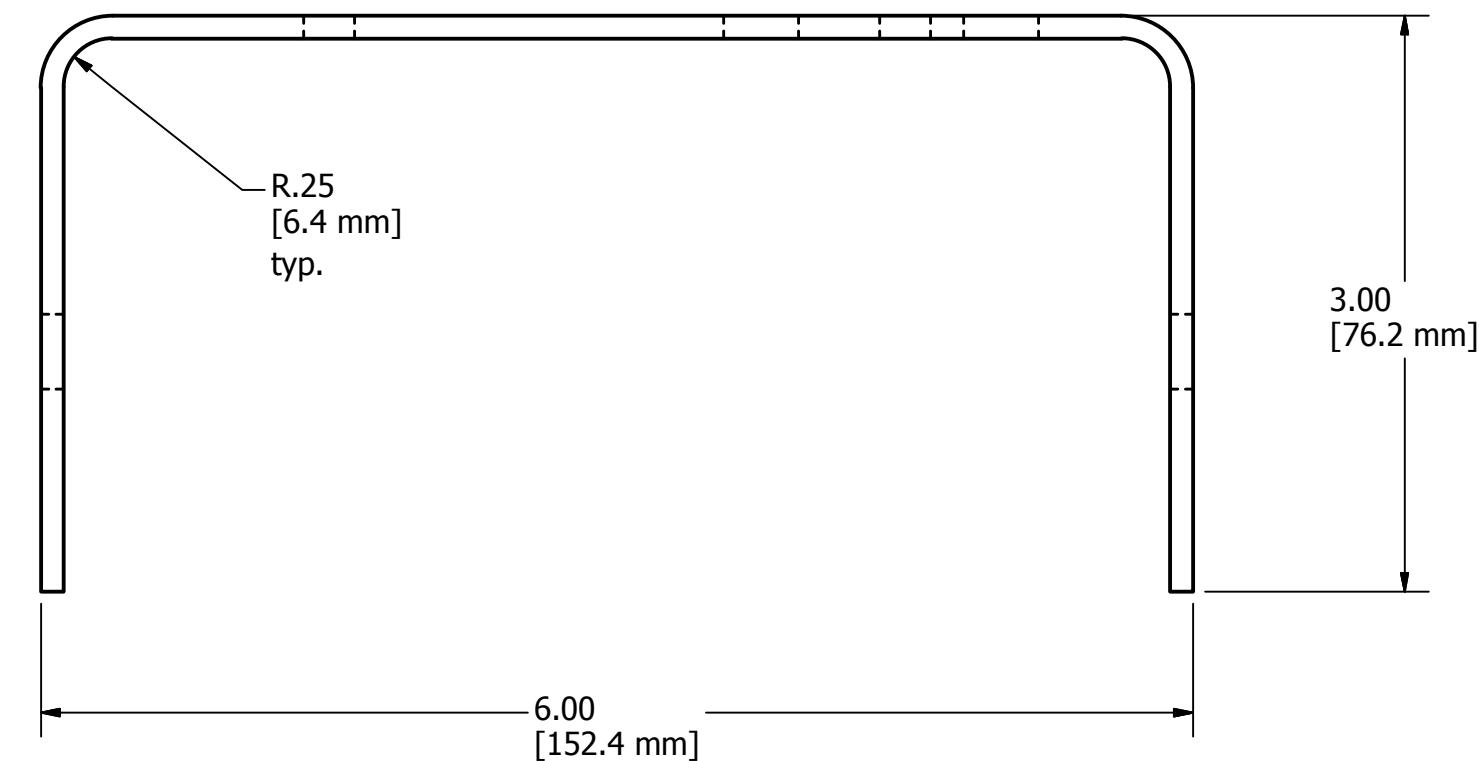
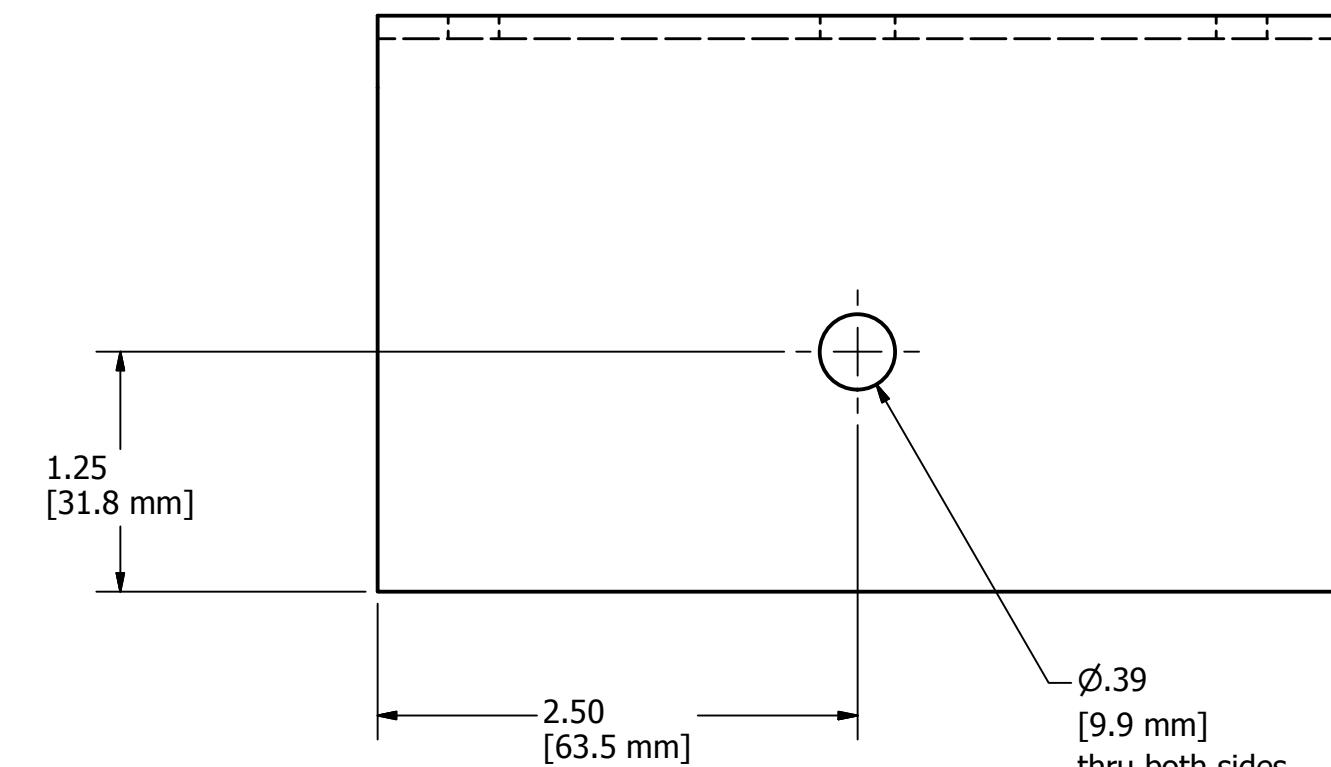
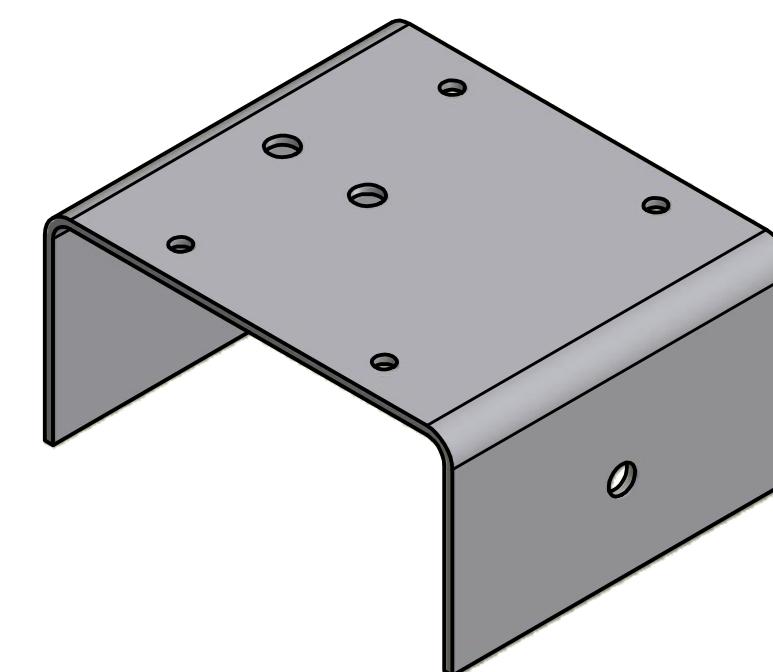
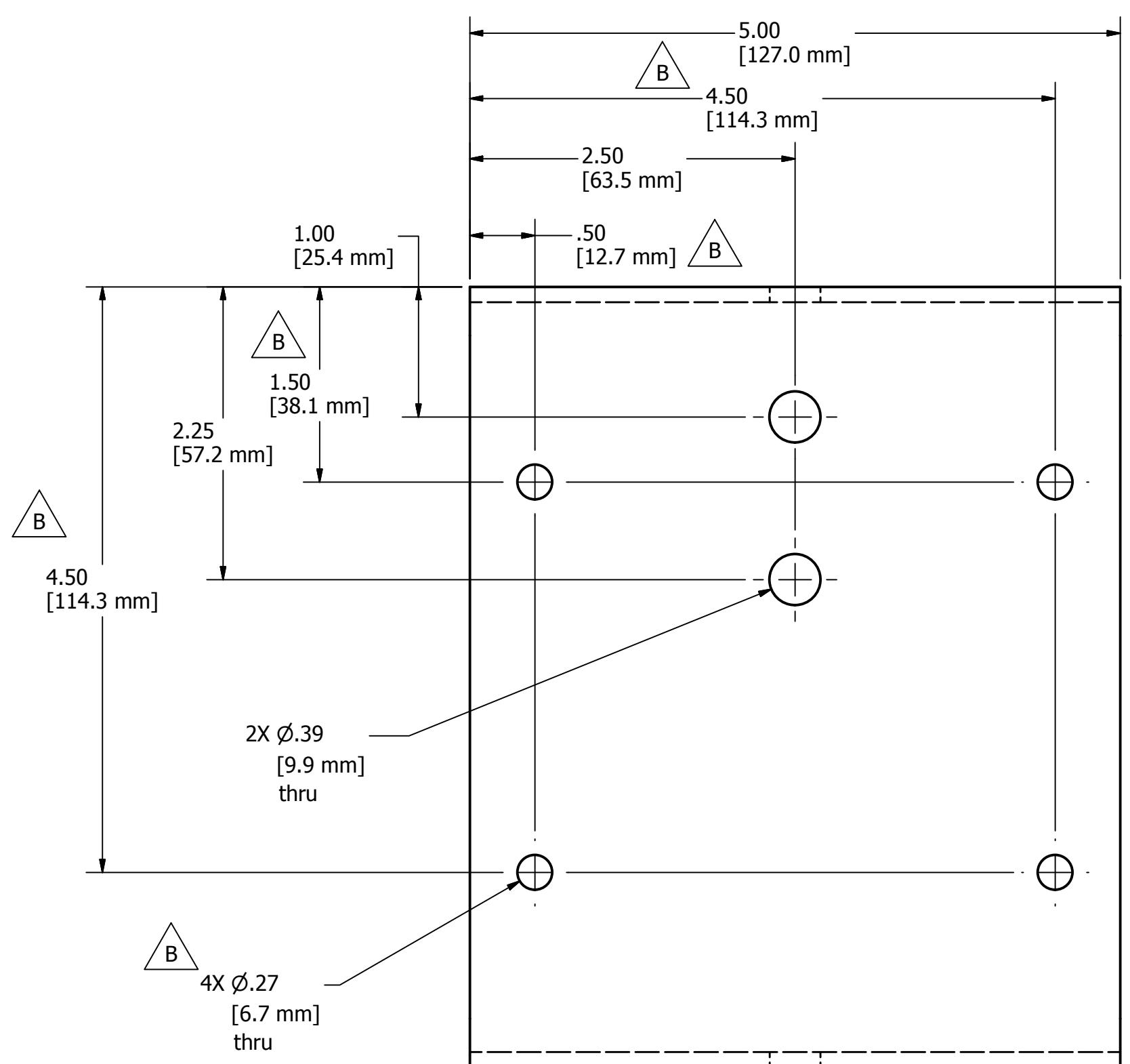
NOTE:
 1.) Material A36 HR Steel
 2.) Black Oxidized
 3.) Remove all burrs and sharp edges

DRAWN dfoster	6/21/2011	200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907					
UNLESS OTHERWISE SPECIFIED							
TOLERANCES: (INCHES)							
FRAC.	+/- 1/32						
.00	+/- .01						
.000	+/- .005	SIZE B	DWG NO GE-12024	REV A			
ANGULAR	+/- .25 Deg.	SCALE		SHEET 1 OF 1			

4 3 2 1

REVISION HISTORY

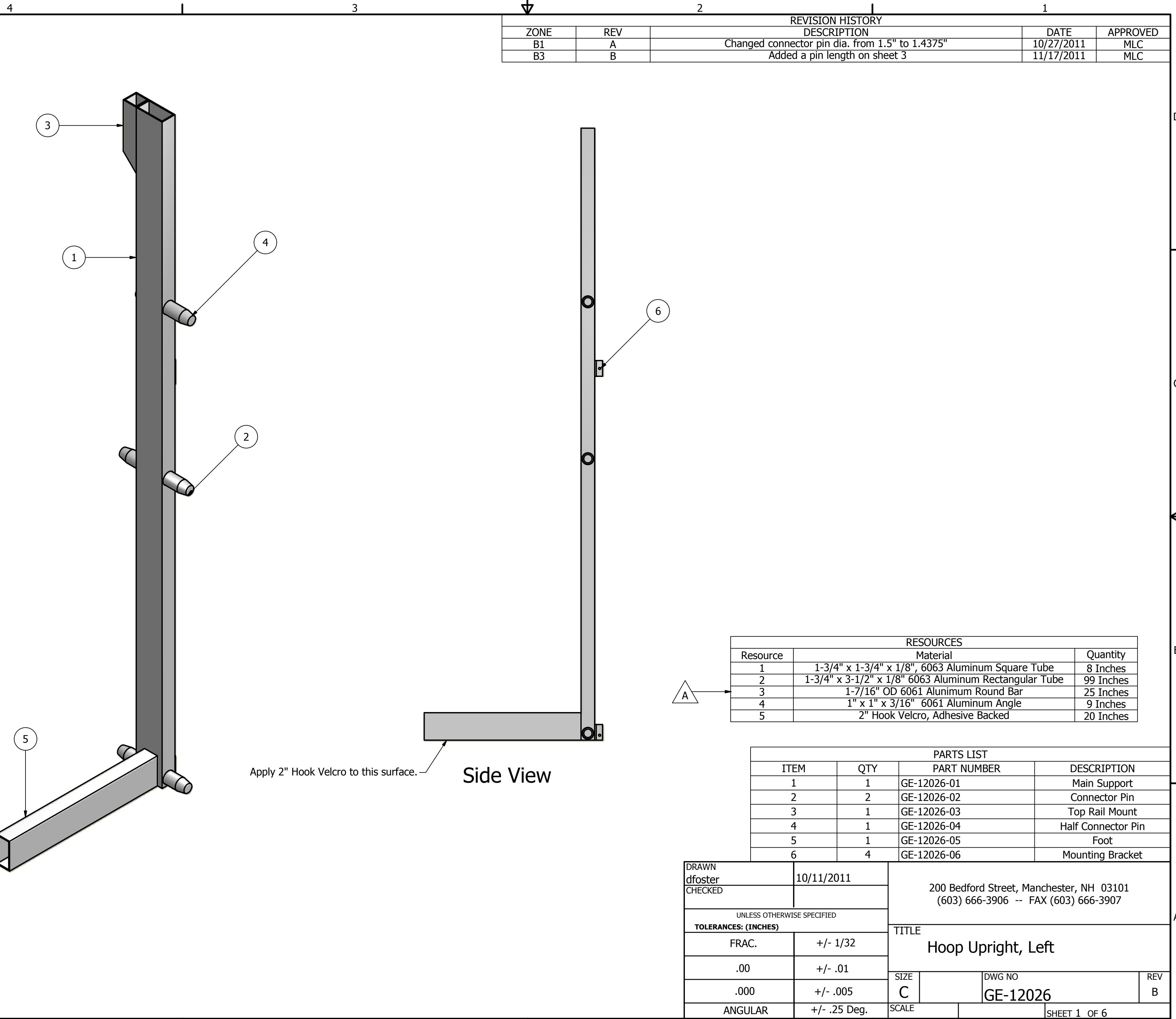
ZONE	REV	DESCRIPTION	DATE	APPROVED
A-3	A	Changed plating to Zinc with Clear Chromate	11/1/2011	MLC
D3 & D4	B	Added 4, .27 dia holes	11/8/2011	



NOTE:
 1.) Material: Cold Rolled, Sheet Steel
 2.) Remove all burrs and sharp edges
 3.) Plating Spec: Zinc with Clear Chromate



DRAWN dfoster	10/26/2011	FIRST					
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907					
UNLESS OTHERWISE SPECIFIED							
TOLERANCES: (INCHES)							
FRAC.	+/- 1/32	TITLE					
.00	+/- .01	Bridge Holder					
.000	+/- .005	SIZE	DWG NO	REV			
ANGULAR	+/- .25 Deg.	C	GE-12025	B			
SCALE							
SHEET 1 OF 1							



4 3 2 1

D

D

C

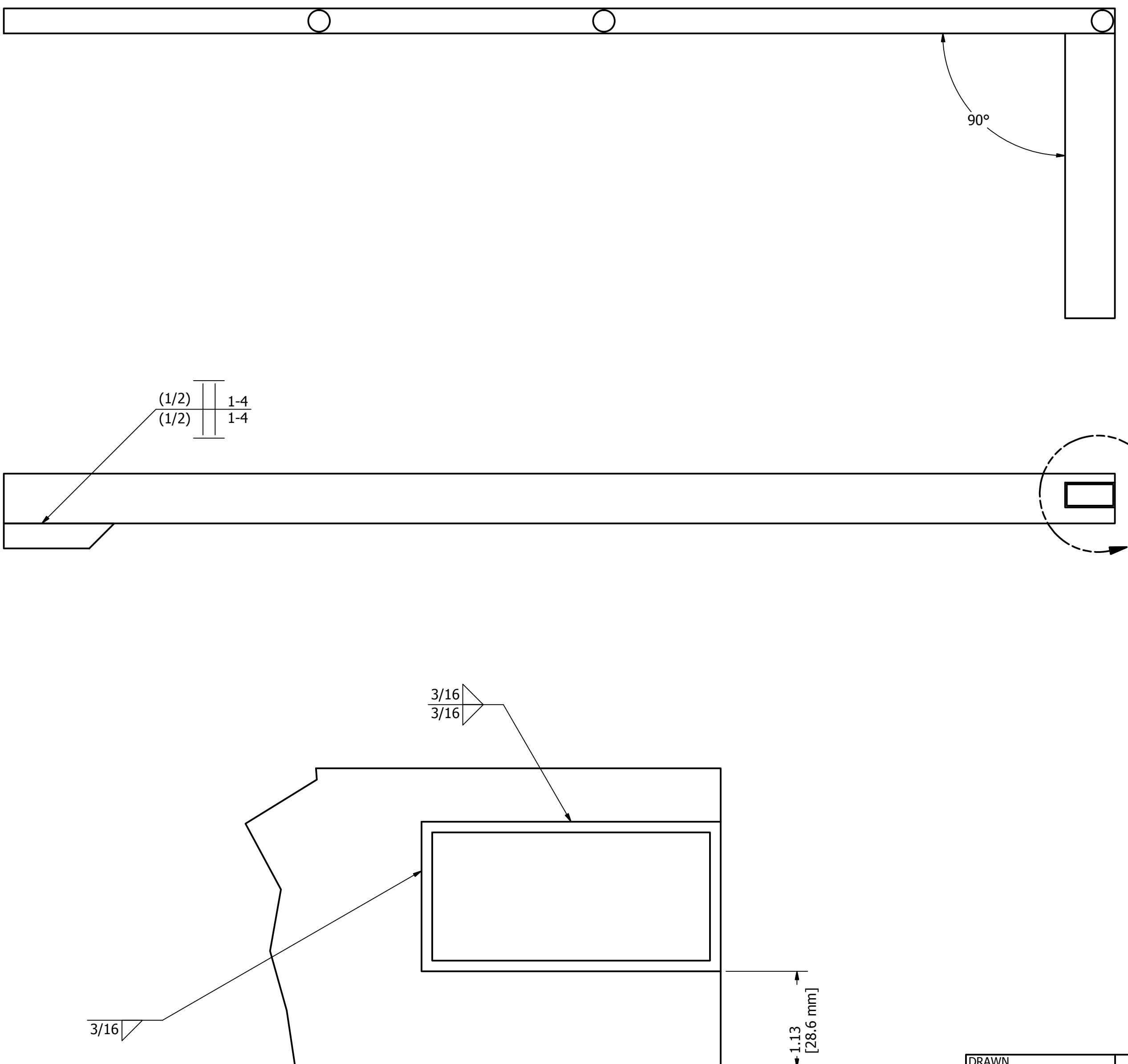
C

B

B

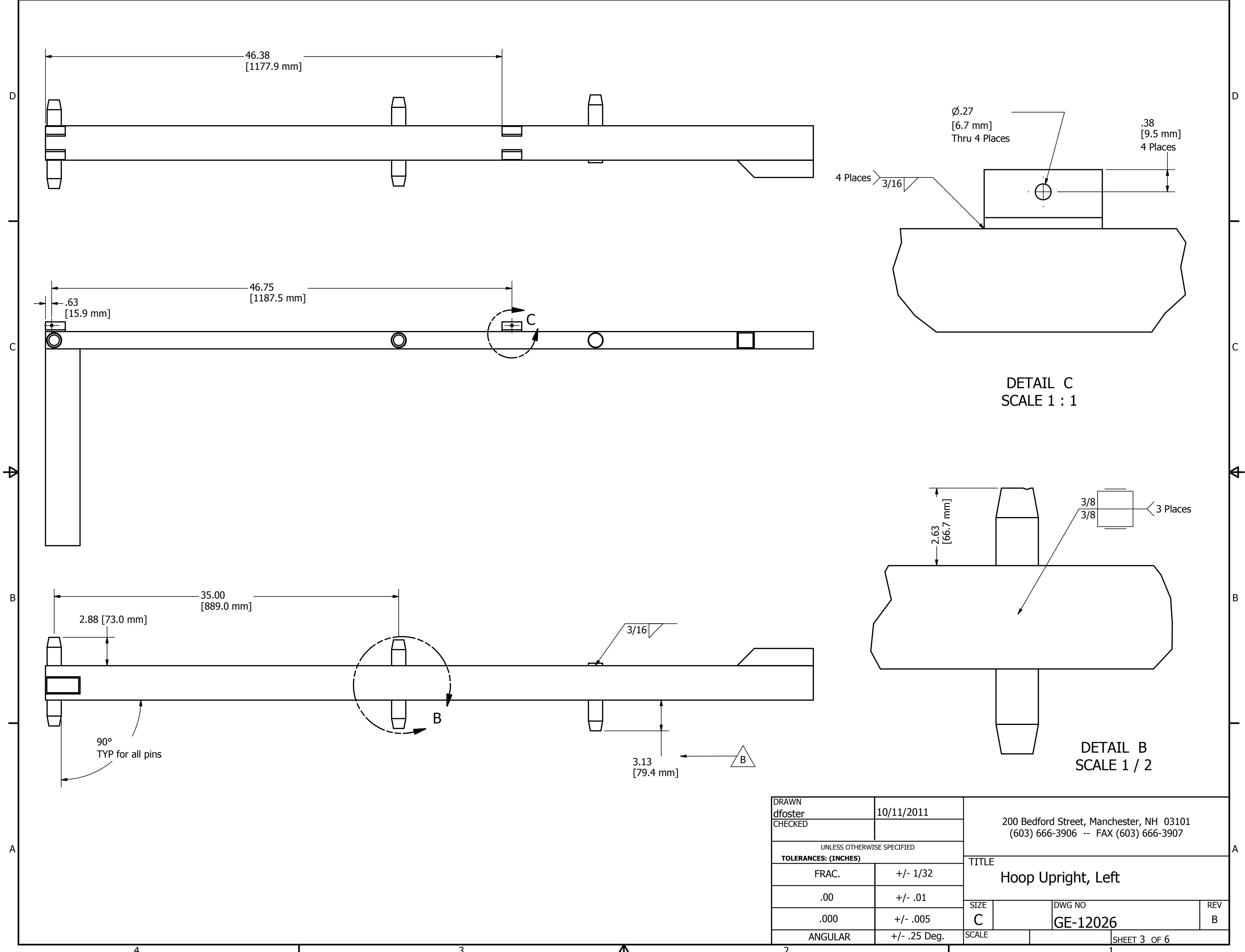
A

A



DRAWN dfoster	10/11/2011	200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907					
UNLESS OTHERWISE SPECIFIED							
TOLERANCES: (INCHES)							
FRAC.	+/- 1/32						
.00	+/- .01						
.000	+/- .005						
ANGULAR	+/- .25 Deg.	SCALE	DWG NO	REV			
			GE-12026	B			
			SHEET 2 OF 6				

4 3 2 1



4 3 2 1

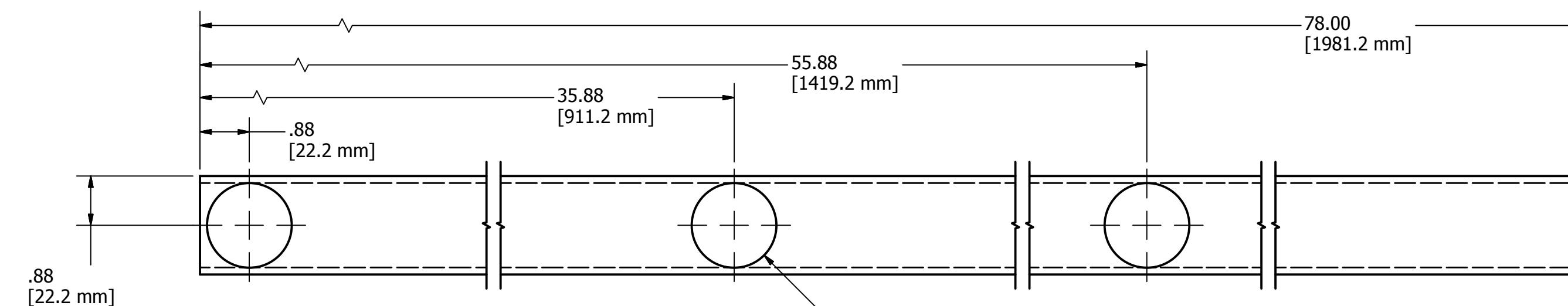
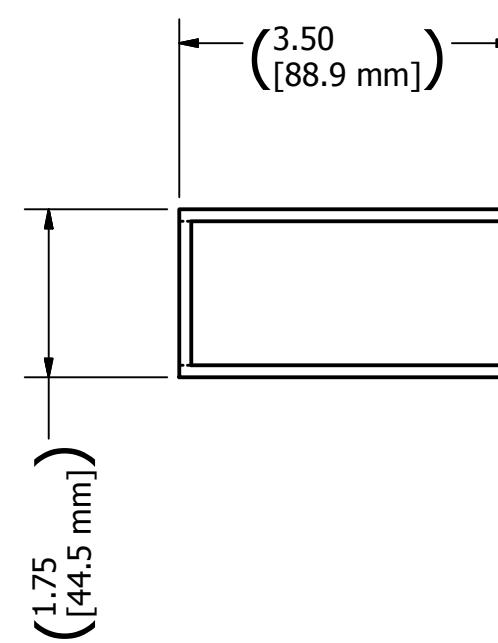
D D

C C

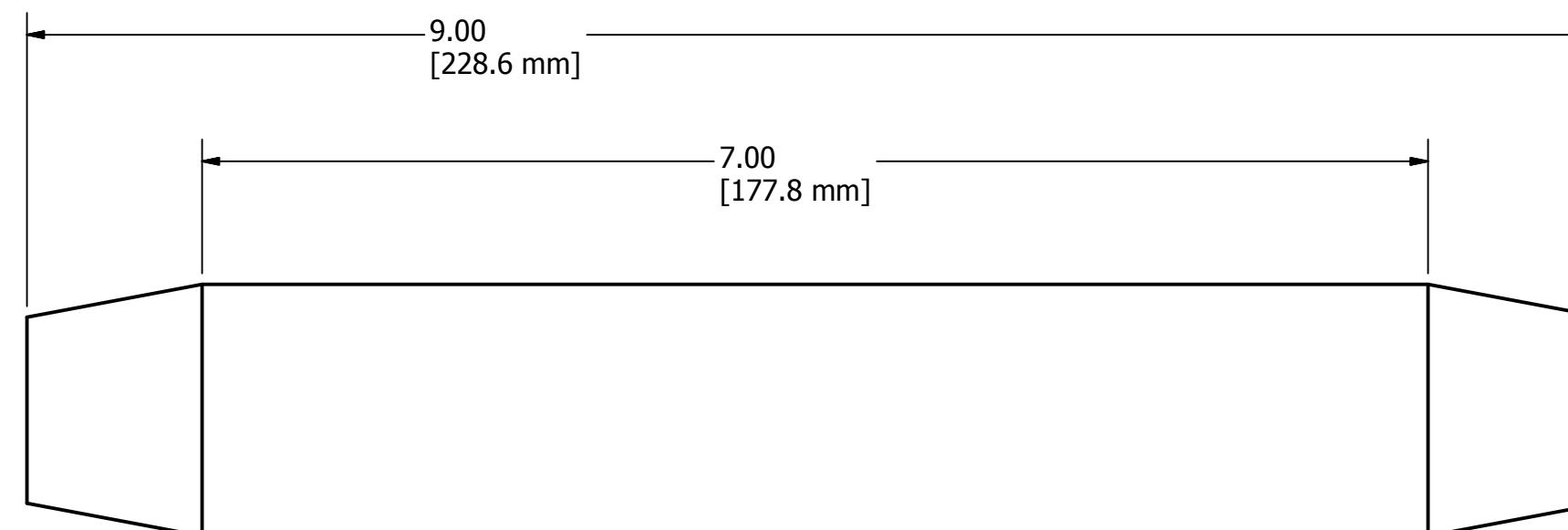
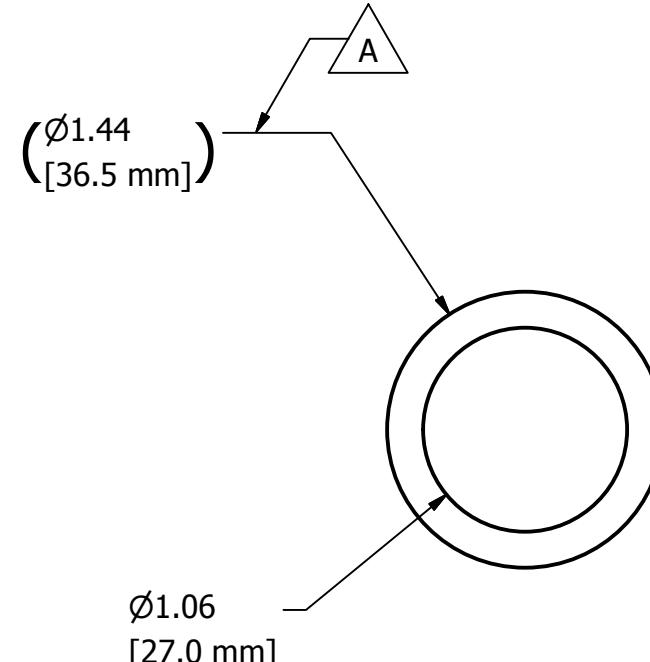
↗ ↘

B B

A A



Item: 1, GE-12026-01, Main Support
Resource: 1
Scale: 1/2
QTY: 1



Item: 2, GE-12026-02, Connector Pin
Resource: 3
Scale: 1/1
QTY: 2

DRAWN dfoster	10/11/2011	200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
CHECKED				
UNLESS OTHERWISE SPECIFIED TOLERANCES: (INCHES)				
FRAC.	+/- 1/32			
.00	+/- .01			
.000	+/- .005			
ANGULAR	+/- .25 Deg.	SCALE	DWG NO	REV
			GE-12026	B
		SHEET 4 OF 6		

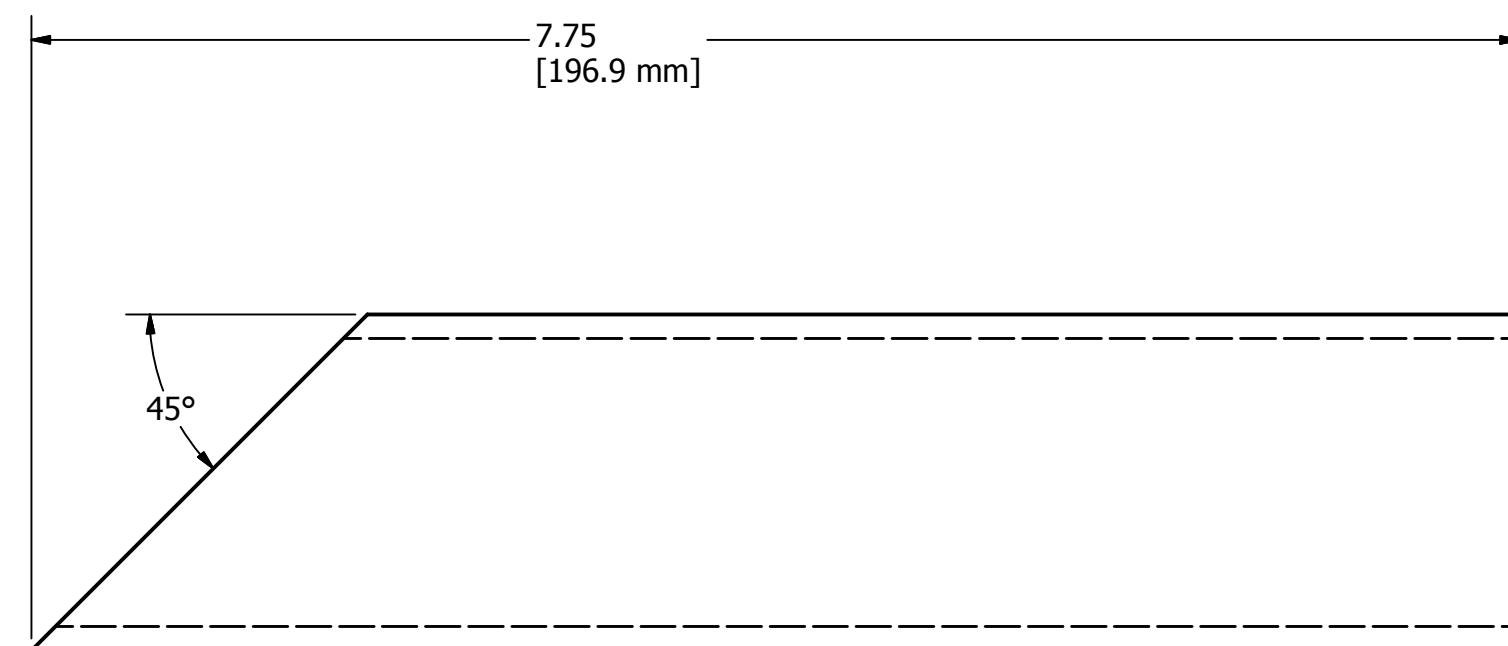
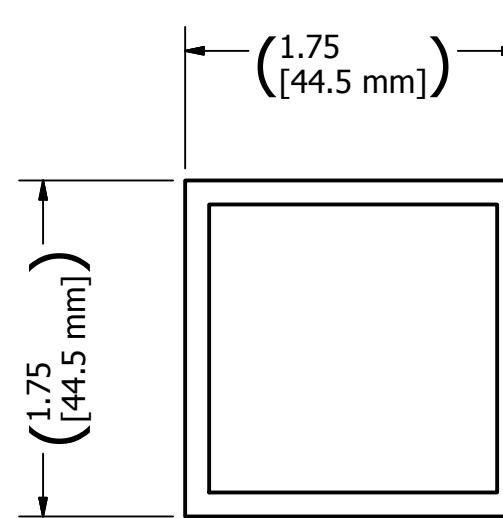
4 3 2 1

↗ ↘

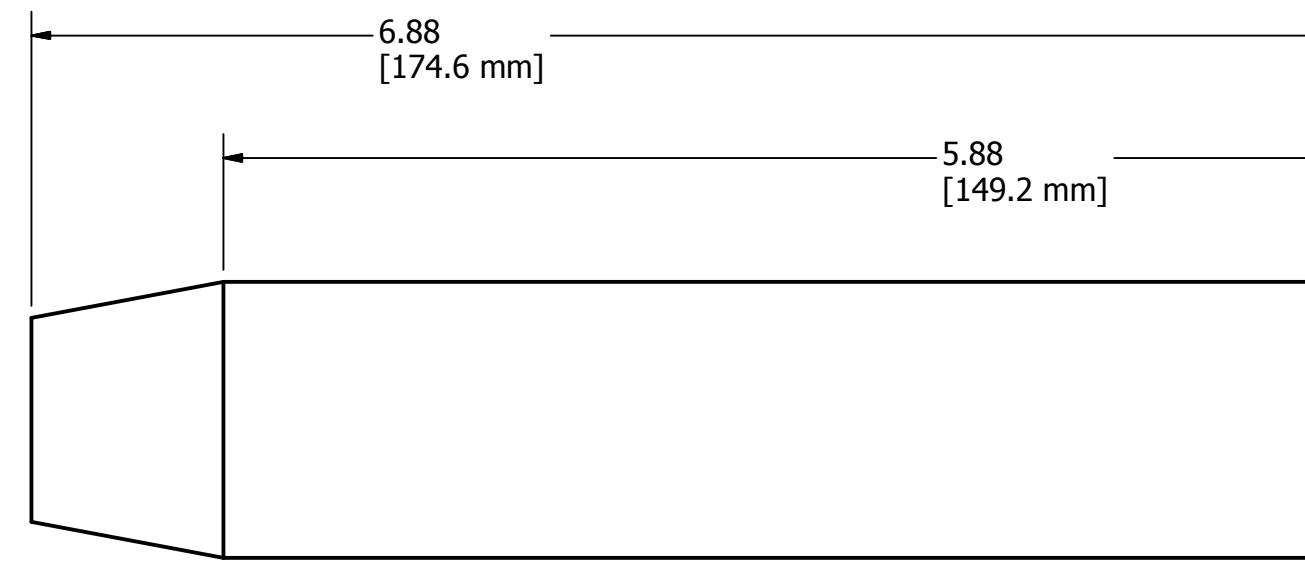
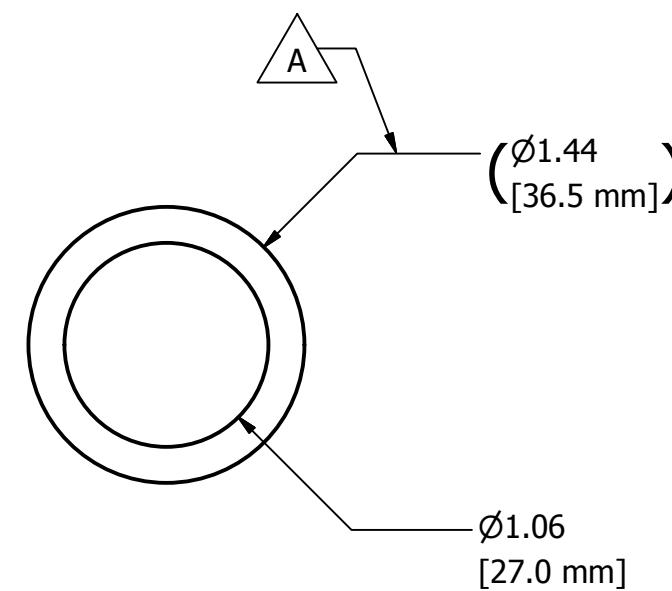
2

1

4 3 2 1



Item: 3, GE-12026-03, Top Rail Mount
Resource: 1
Scale: 1/1
QTY: 1

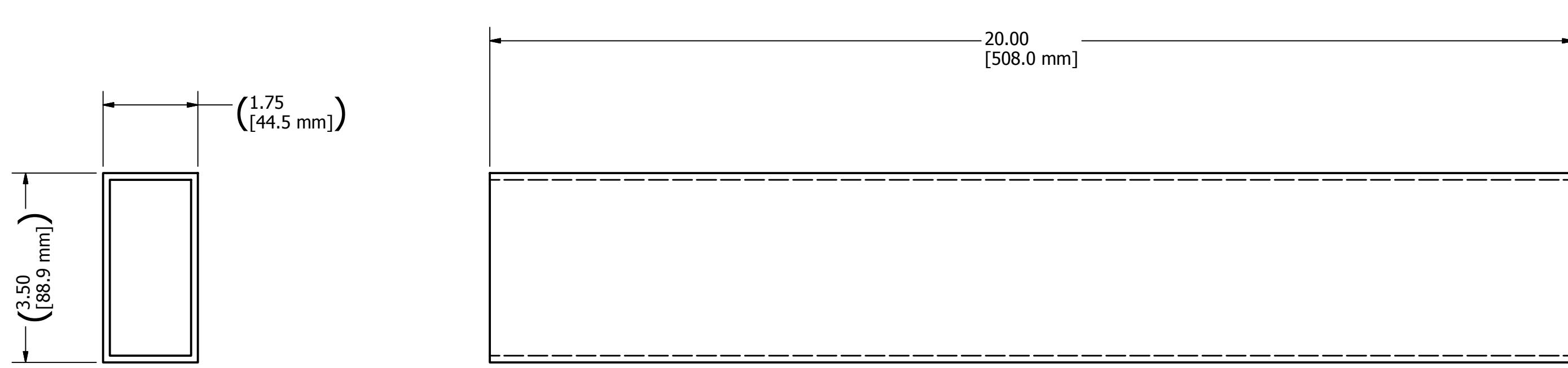


Item: 4, GE-12026-04, Half Connector Pin
Resource: 3
Scale: 1/1
QTY: 1

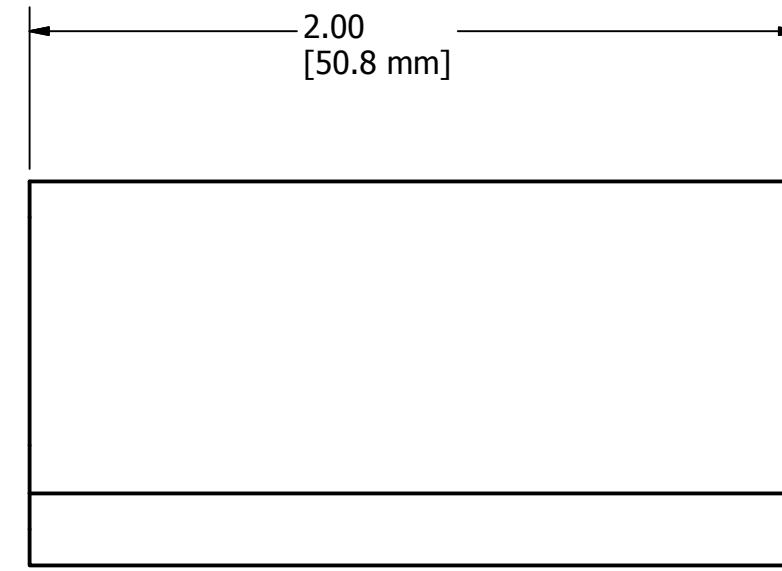
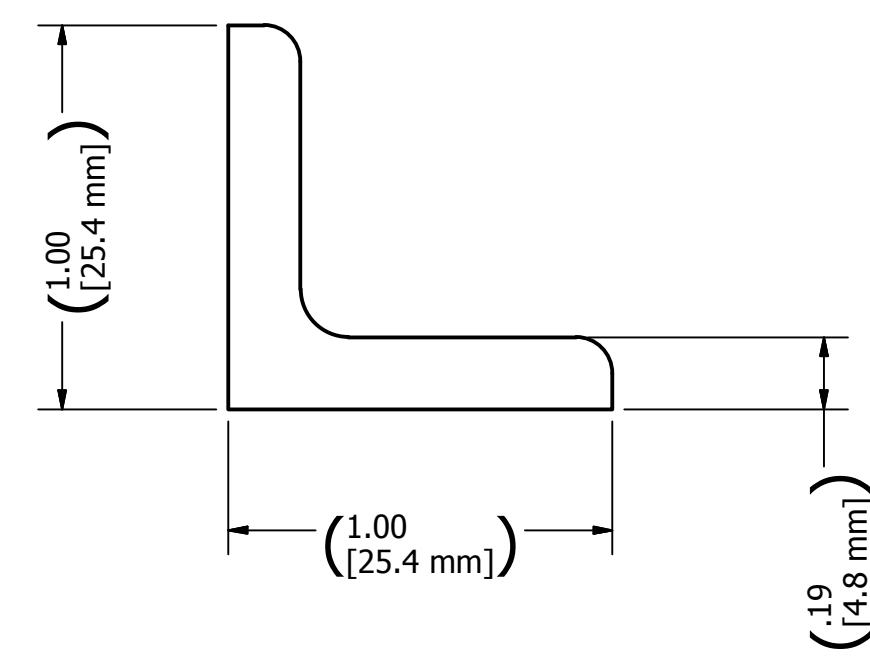
DRAWN dfoster	10/11/2011	200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
CHECKED				
UNLESS OTHERWISE SPECIFIED TOLERANCES: (INCHES)				
FRAC.	$+\/- 1/32$			
.00	$+\/- .01$			
.000	$+\/- .005$			
ANGULAR	$+\/- .25$ Deg.	SCALE	DWG NO	REV
			GE-12026	B
			SHEET 5 OF 6	

4 3 2 1

4 3 2 1



Item: 5, GE-12026-05, Foot
Resource: 2
Scale: 1/2
QTY: 1



Item: 6, GE-12026-06, Mounting Bracket
Resource: 4
Scale: 2/1
QTY: 4

DRAWN dfoster	10/11/2011	200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907					
UNLESS OTHERWISE SPECIFIED							
TOLERANCES: (INCHES)							
FRAC.	+/-.1/32						
.00	+/-.01						
.000	+/-.005						
ANGULAR	+/-.25 Deg.	SCALE	DWG NO	REV			
			GE-12026	B			
			SHEET 6 OF 6				

4 3 2 1

4

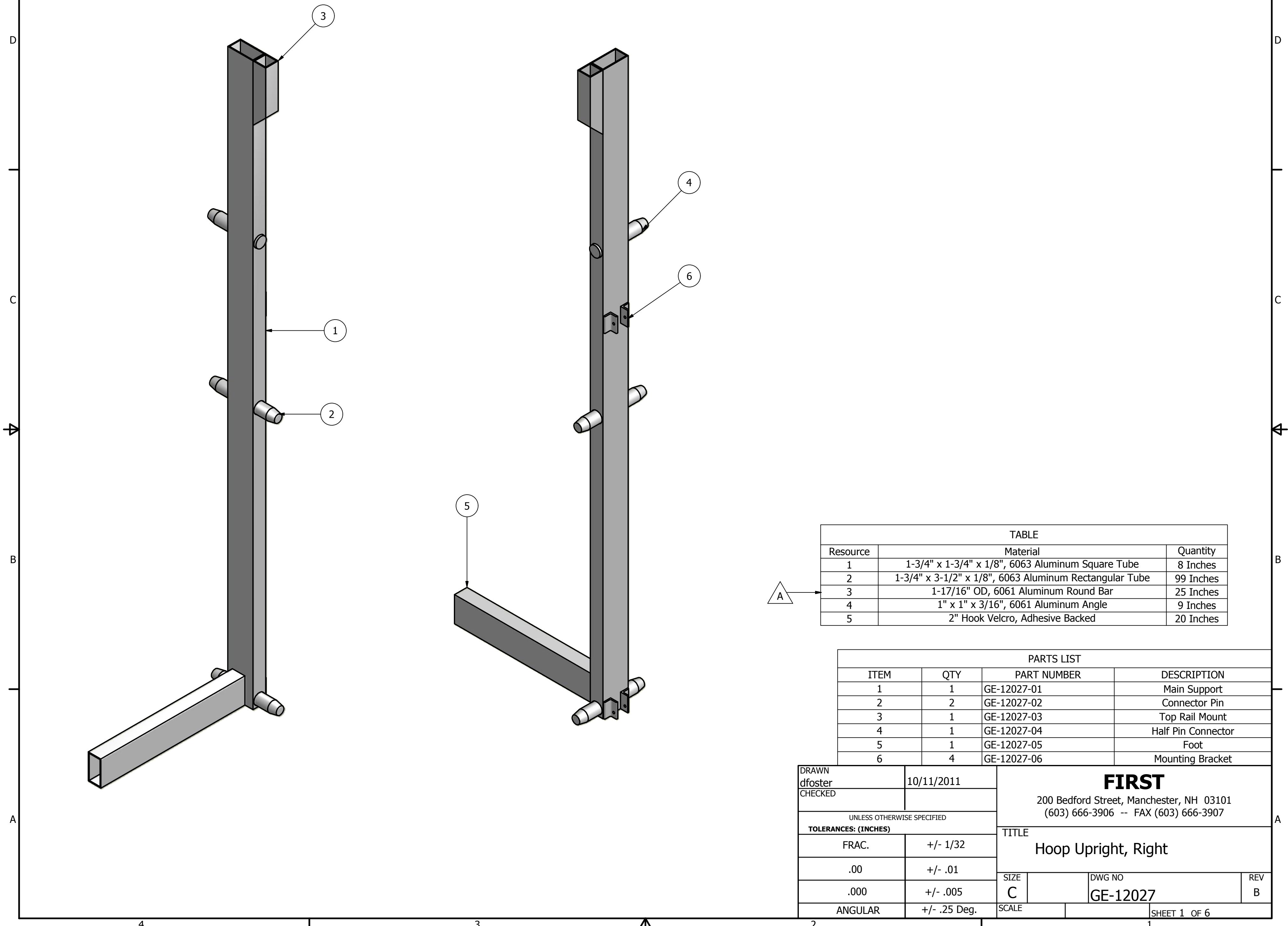
3

2

1

REVISION HISTORY

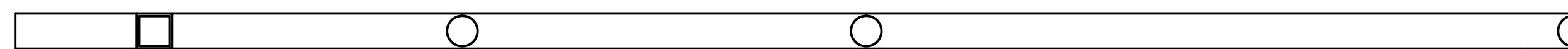
ZONE	REV	DESCRIPTION	DATE	APPROVED
B1	A	Changed connector pin dia from 1.5" to 1.4375"	10/27/2011	MLC
B3	B	Added pin length on sheet 3	11/17/2011	MLC



4 3 2 1

D

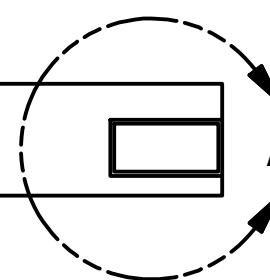
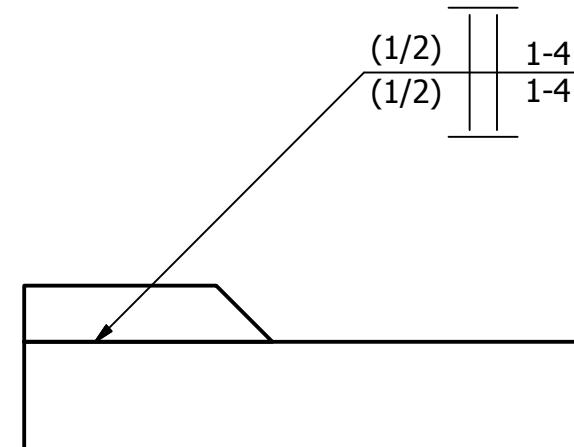
D



Apply 2" velcro to this surface

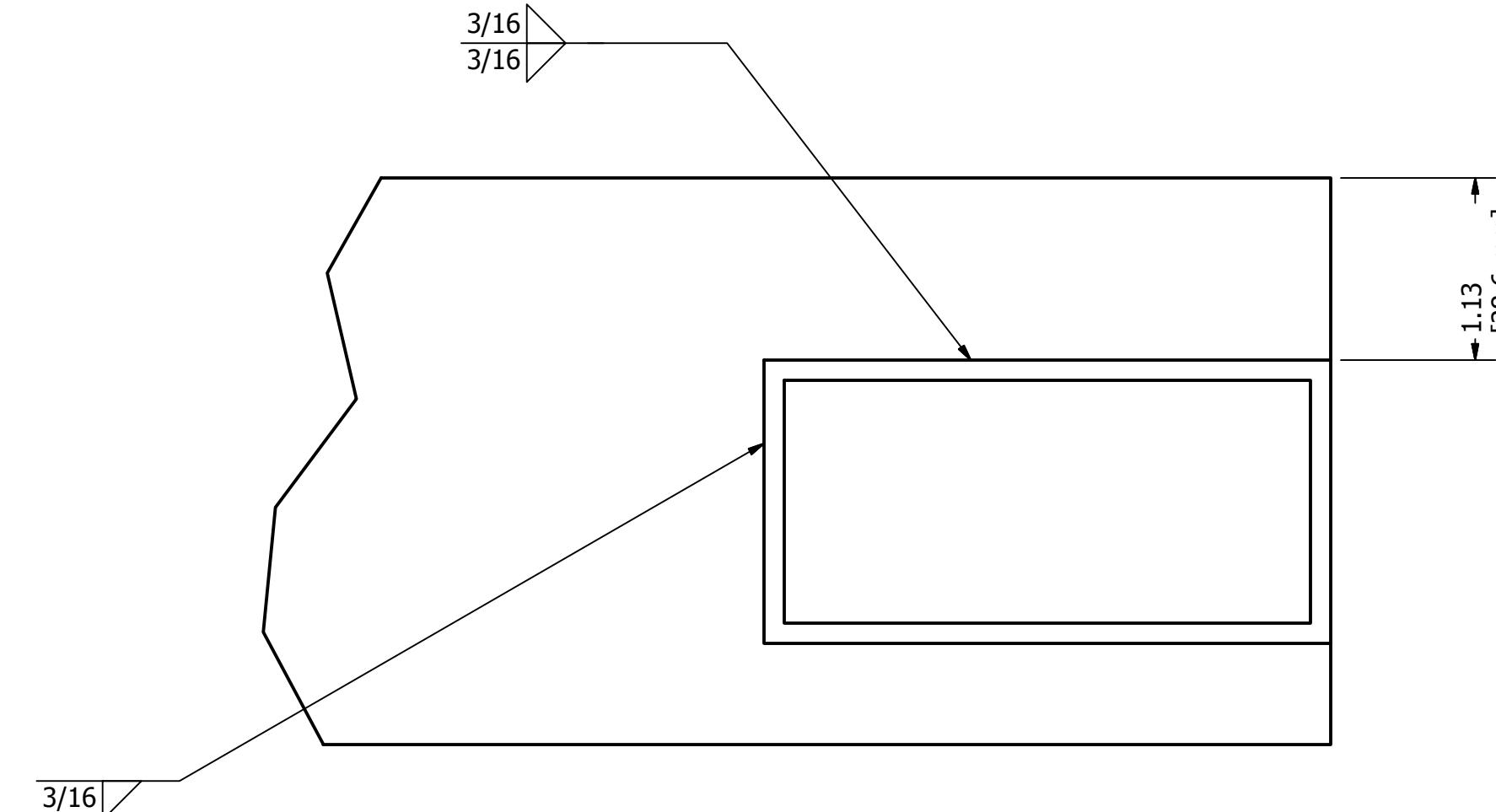
C

C



B

B

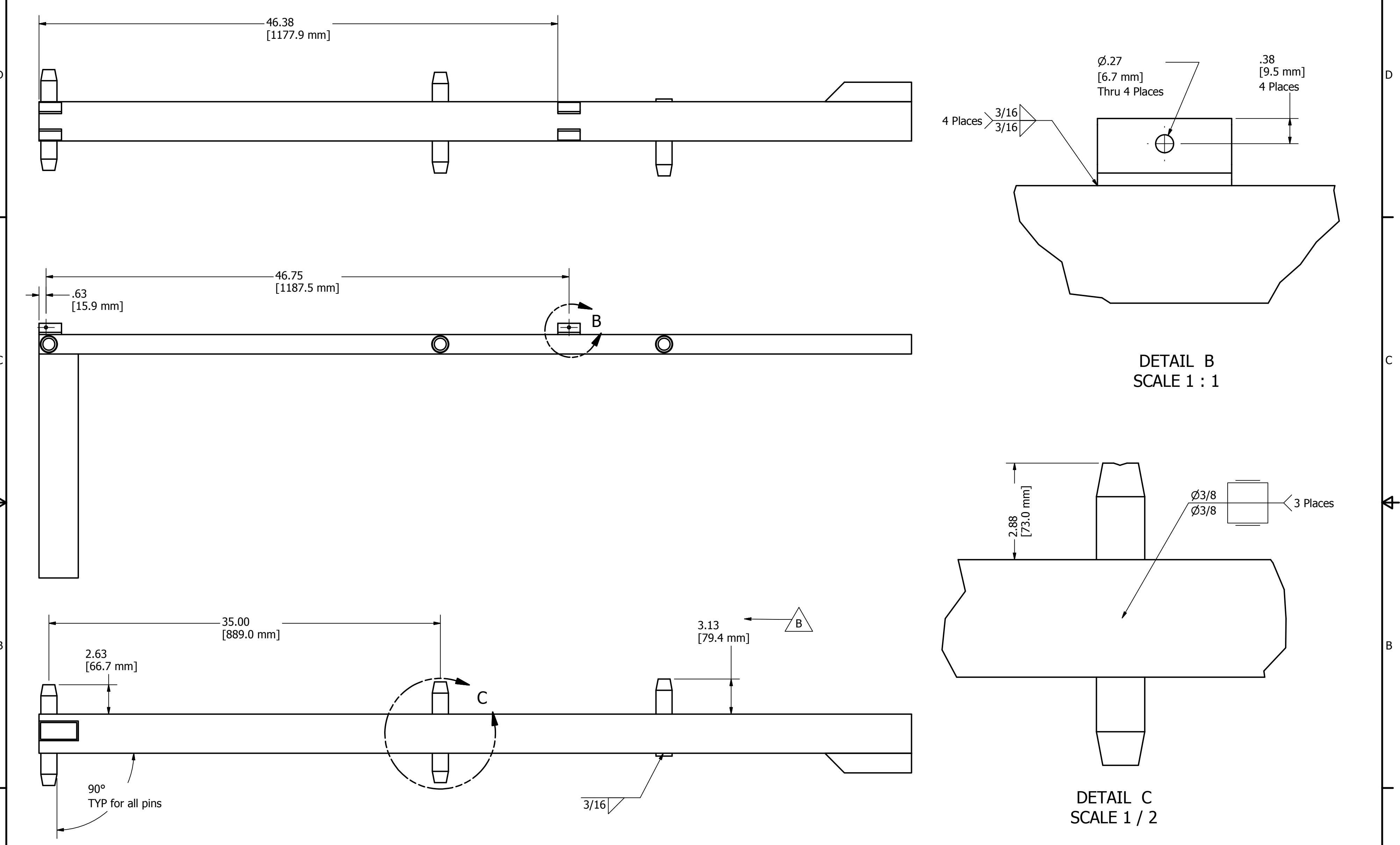


DETAIL A
SCALE 1 : 1

DRAWN dfoster	10/11/2011	FIRST	
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907	
UNLESS OTHERWISE SPECIFIED			
TOLERANCES: (INCHES)		TITLE	
FRAC.	+/- 1/32	Hoop Upright, Right	
.00	+/- .01	SIZE	DWG NO
.000	+/- .005	C	GE-12027
ANGULAR	+/- .25 Deg.	SCALE	REV B
			SHEET 2 OF 6

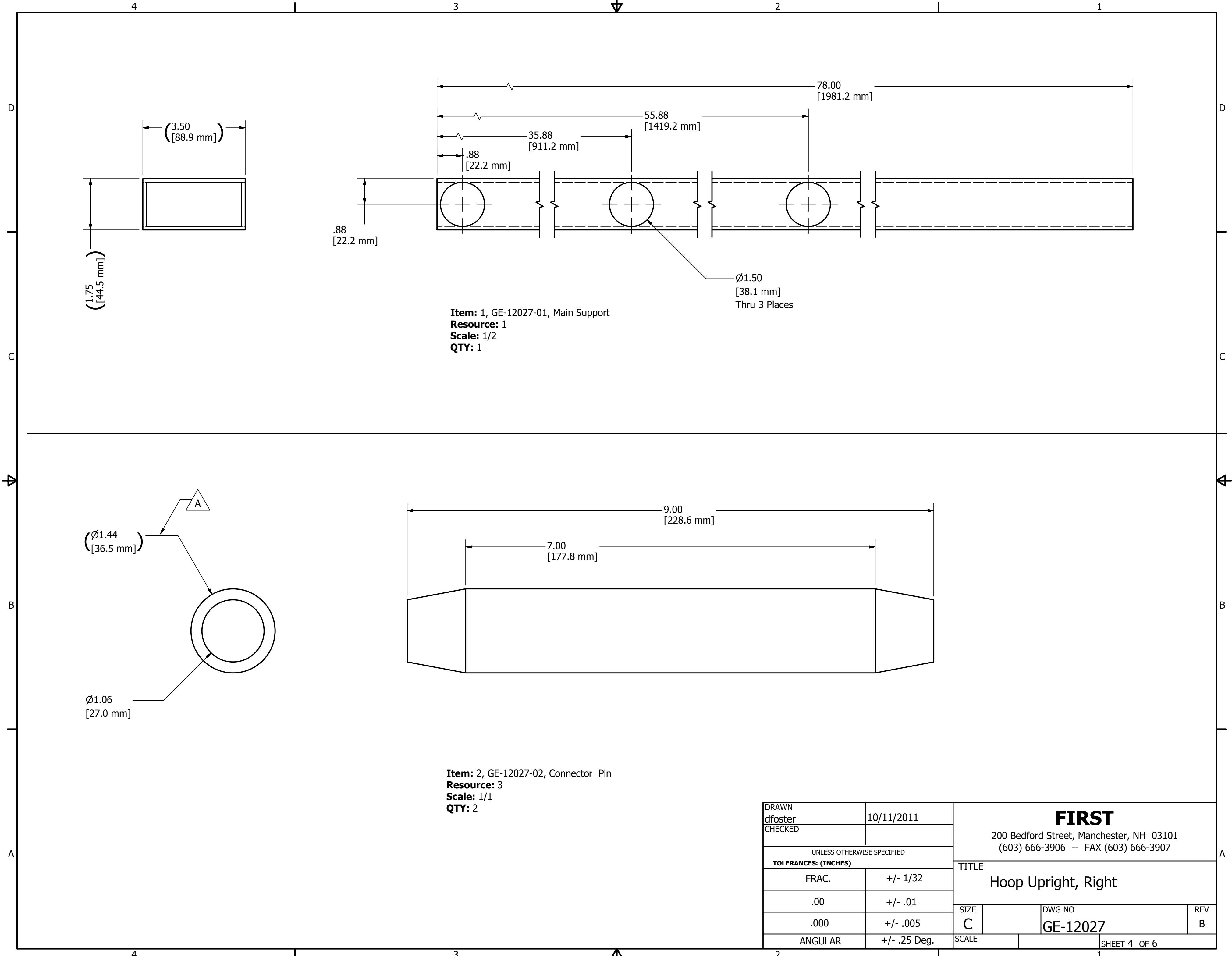
4 3 2 1

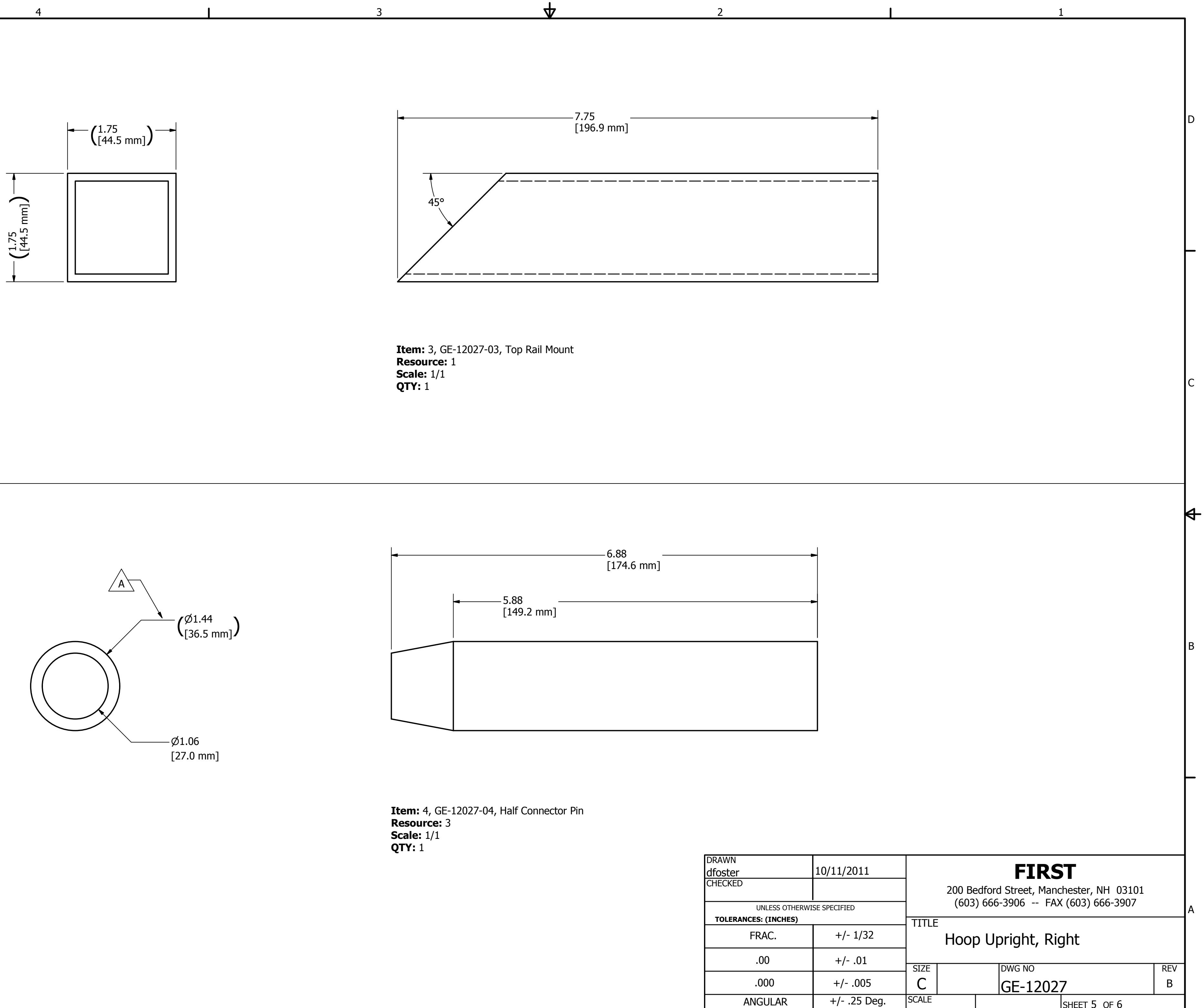
4 3 2 1



DRAWN dfoster	10/11/2011	FIRST		
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
UNLESS OTHERWISE SPECIFIED				
TOLERANCES: (INCHES)		TITLE		
FRAC.	$+\/- 1/32$	Hoop Upright, Right		
.00	$+\/- .01$	SIZE	DWG NO	REV
.000	$+\/- .005$	C	GE-12027	B
ANGULAR	$+\/- .25$ Deg.	SCALE		SHEET 3 OF 6

4 3 2 1

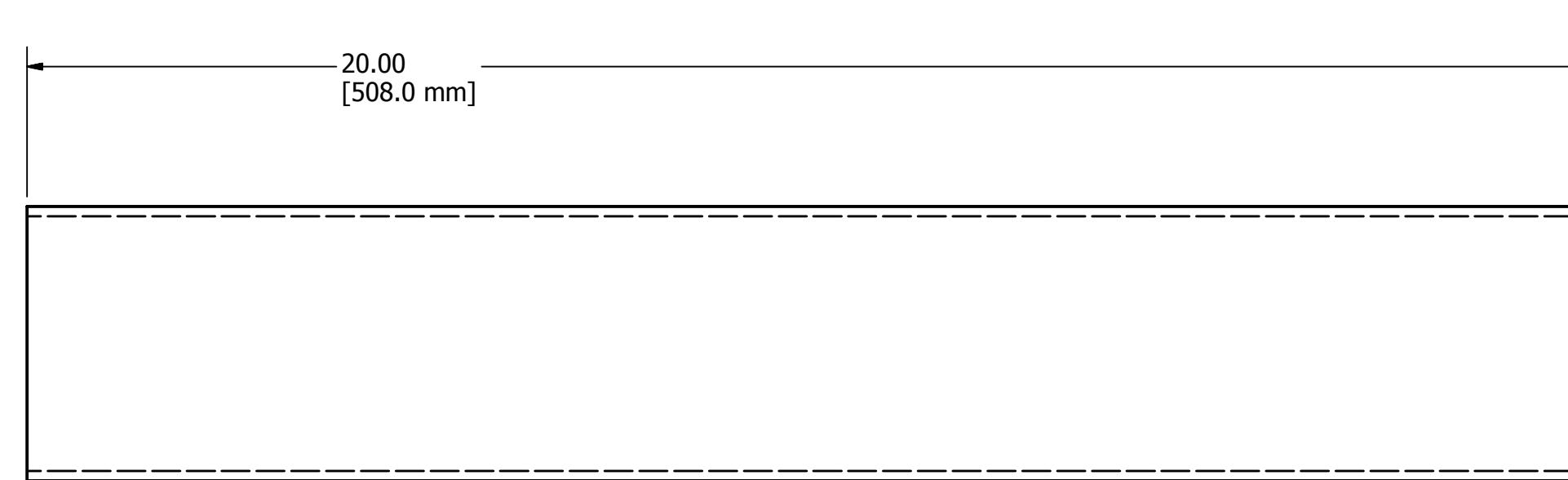
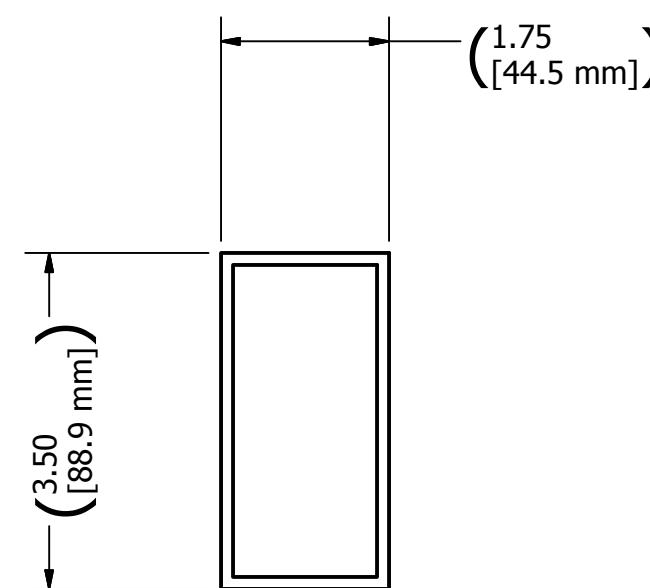




4 3 2 1

D

D



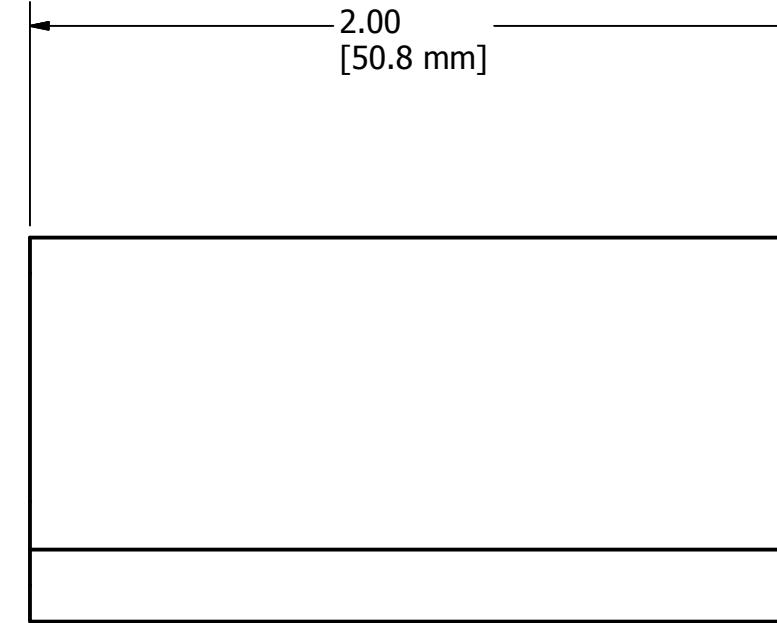
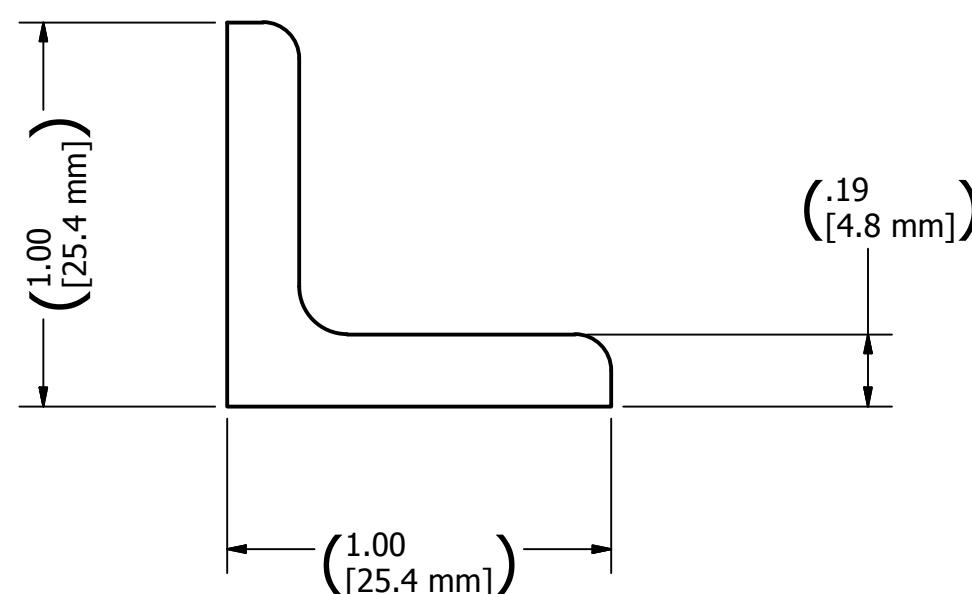
C

C

Item: 5, GE-12027-05, Foot
Resource: 2
Scale: 1/2
QTY: 1

B

B



A

A

Item: 6, GE-12027-06, Mounting Bracket
Resource: 4
Scale: 2/1
QTY: 4

DRAWN dfoster	10/11/2011	FIRST				
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907				
UNLESS OTHERWISE SPECIFIED						
TOLERANCES: (INCHES)			TITLE			
FRAC.	+/-.1/32	Hoop Upright, Right				
.00	+.01	SIZE				
.000	+.005	DWG NO				
ANGULAR	+.25 Deg.	SCALE		REV		
				B		
				SHEET 6 OF 6		

4 3 2 1

A

B

C

D

4

3

2

1

REVISION HISTORY

ZONE	REV	DESCRIPTION	DATE	APPROVED
B3	A	Added the 5" square Thru Hole, new dimensions on sheet 5	10/17/2011	MLC
B3	B	Removed .75" Dimensions from center of angle and added .25" from edge of angle.	11/15/2011	MLC

D

D

C

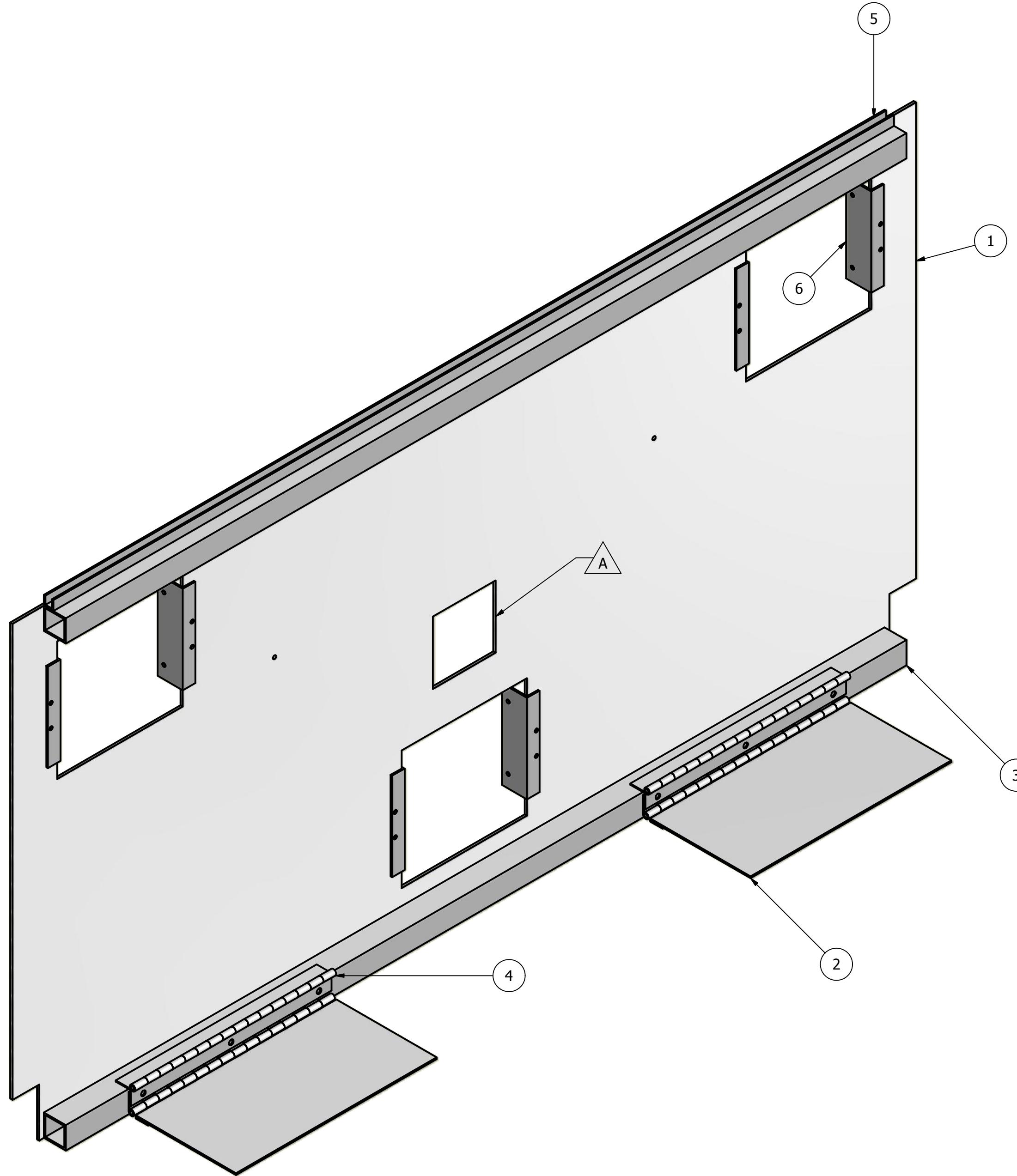
C

A

A

B

B



RESOURCES		
Resource	Material	Quantity
1	3/16" Aluminum Diamond Plate	37in x 72in
2	Hinge, Aluminum 3" x .09, 1/4" Pin	32 Inches
3	1-3/4" x 1-3/4" x 1/8" Sq 6061 Aluminum tube	134 inches
4	3/4" x 3/4" x 1/8", 6063 Aluminum U'Channel	67 inches
5	1/8", 6061 Aluminum Plate	16" x 16.25"
6	1" x 2" x 1/8", 6063 Aluminum Angle	45 inches

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	GE-12028-01	Panel, Diamond Plate
2	2	GE-12028-02	Plate, Stop
3	2	GE-12028-03	Support, Top and Bottom
4	2	GE-12028-04	Hinge, Stop Plate
5	1	FE-00004-05	Support, Window
6	6	GE-12028-06	Mounting Bracket, Chute

DRAWN mcyr	10/10/2011	FIRST 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907	
CHECKED			
UNLESS OTHERWISE SPECIFIED			
TOLERANCES: (INCHES)			
FRAC.	+/- 1/32		
.00	+/- .01		
.000	+/- .005		
ANGULAR	+/- .25 Deg.	SIZE C	
		DWG NO GE-12028	
		REV B	
		SHEET 1 OF 8	

4 3 2 1

D

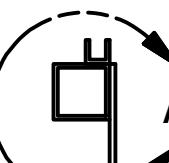
D

2.50
[63.5 mm]

C

C

DETAIL A
SCALE 1 / 3



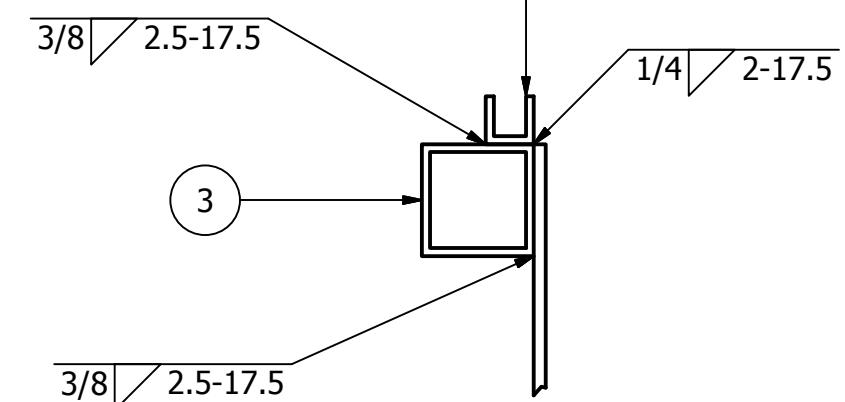
B

B

.38
[9.5 mm]

A

A



DRAWN mcyr	10/10/2011	FIRST		
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
UNLESS OTHERWISE SPECIFIED				
TOLERANCES: (INCHES)		TITLE		
FRAC.	+/- 1/32	End Panel, Center		
.00	+/- .01	SIZE		
.000	+/- .005	DWG NO		
ANGULAR	+/- .25 Deg.	SCALE		REV B
				SHEET 2 OF 8

4 3 2 1

4

2

1

4

3

2

1

D

D

C

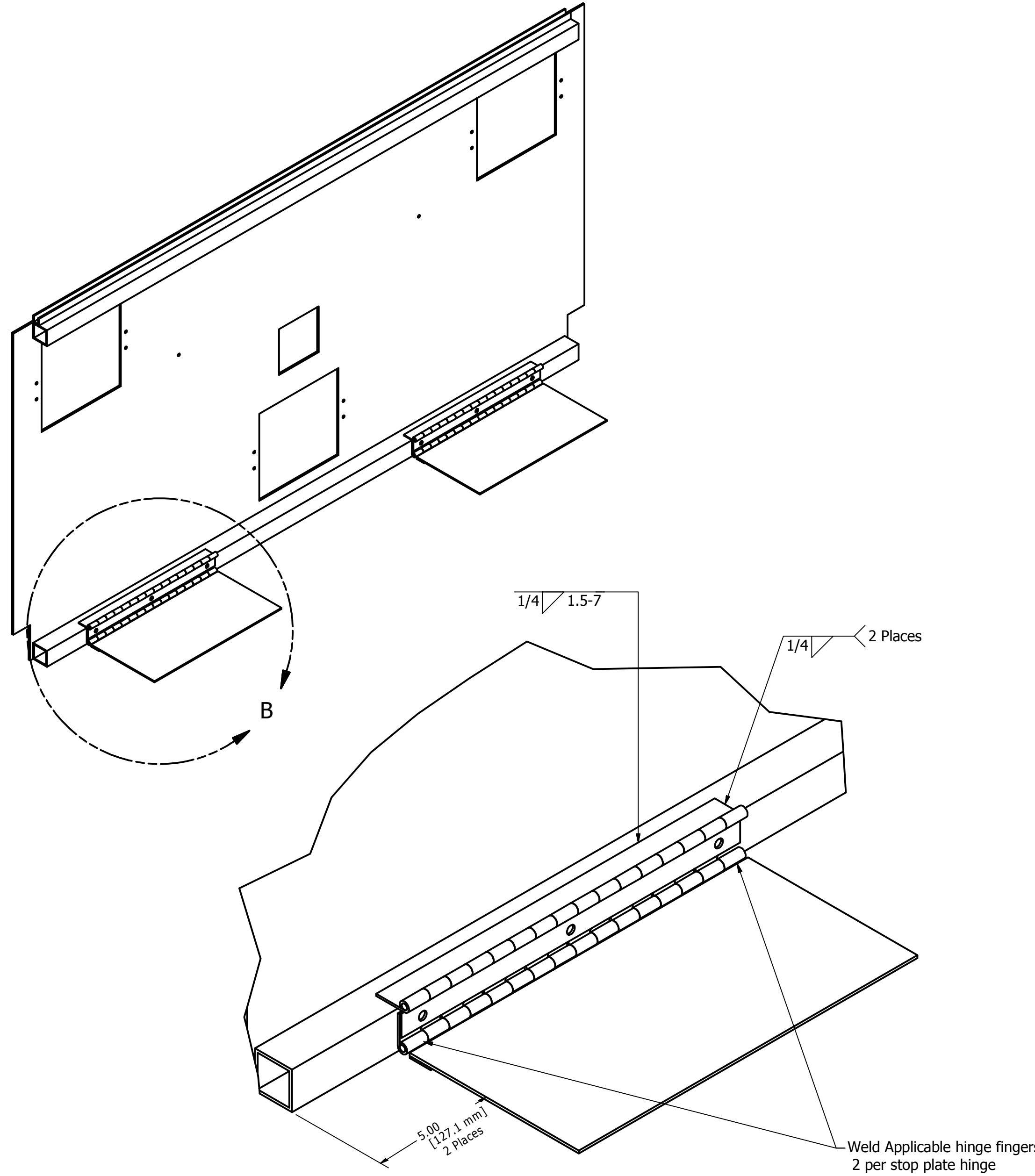
C

B

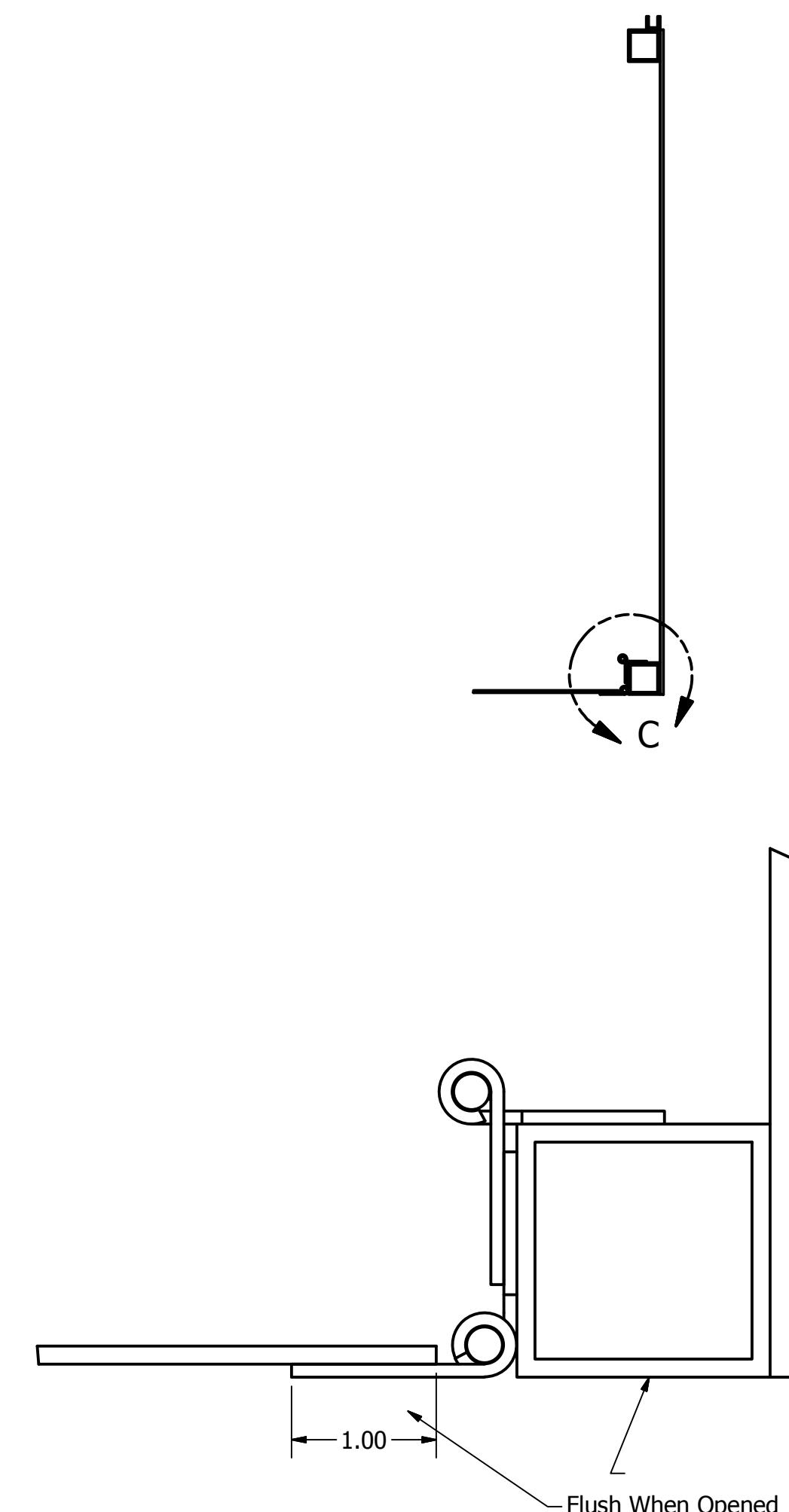
B

A

A



DETAIL B
SCALE 1 / 3



DETAIL C
SCALE 1 : 1

DRAWN mcyr	10/10/2011	FIRST 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907					
CHECKED							
UNLESS OTHERWISE SPECIFIED							
TOLERANCES: (INCHES)							
FRAC.	$+\/- 1/32$	TITLE End Panel, Center					
.00	$+\/- .01$						
.000	$+\/- .005$	SIZE C	DWG NO GE-12028	REV B			
ANGULAR	$+\/- .25$ Deg.	SCALE		SHEET 3 OF 8			

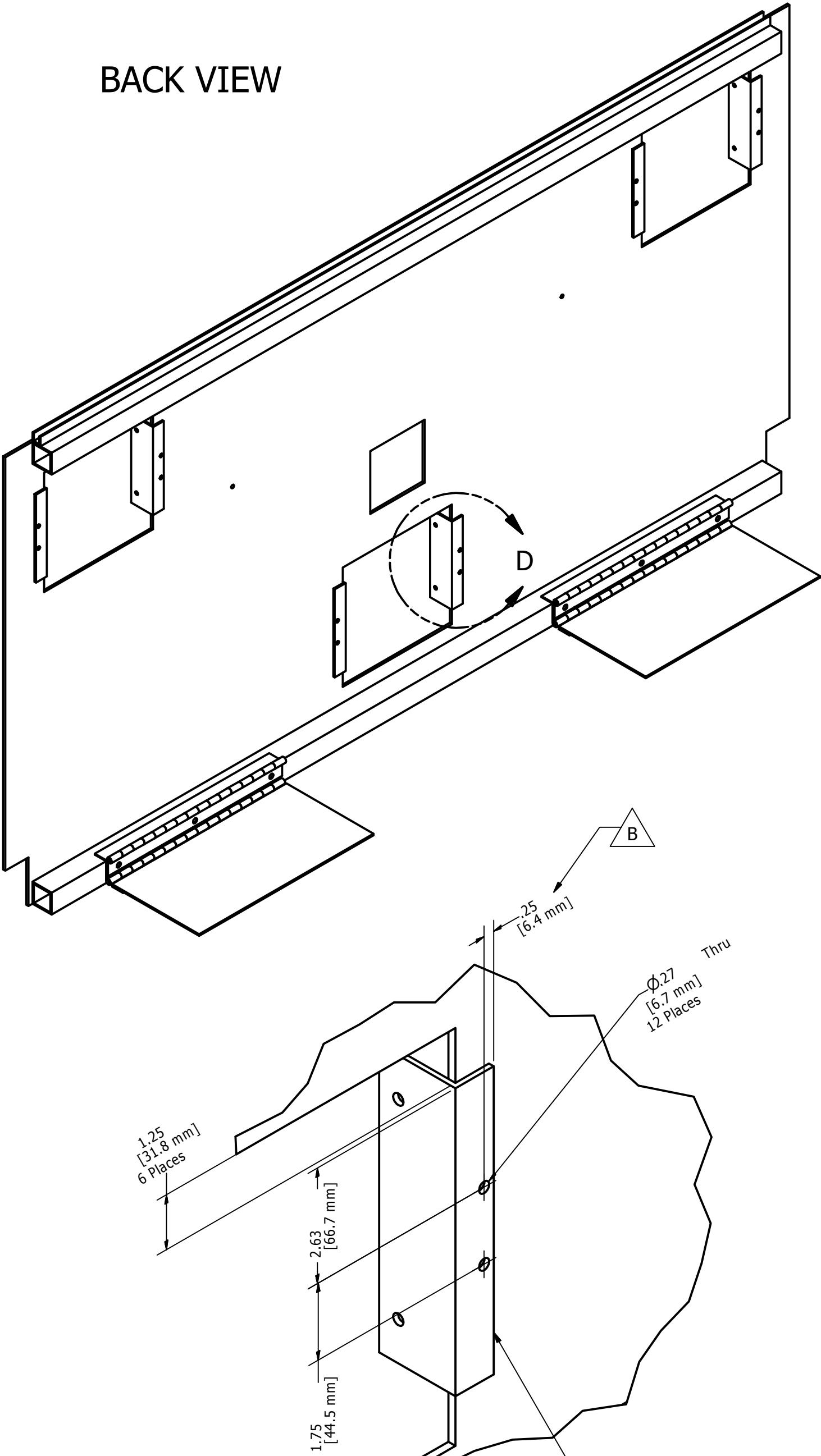
4

3

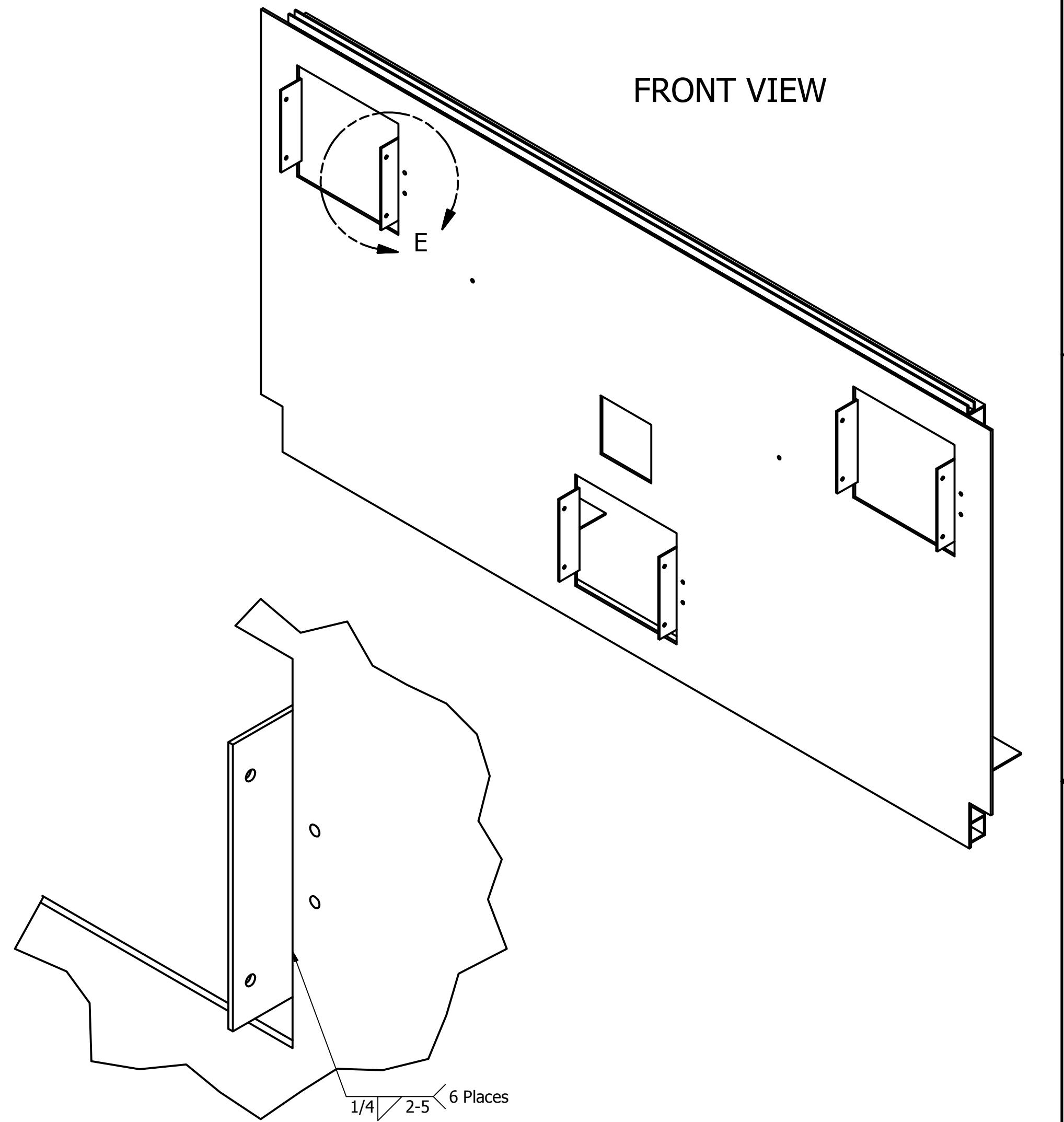
2

1

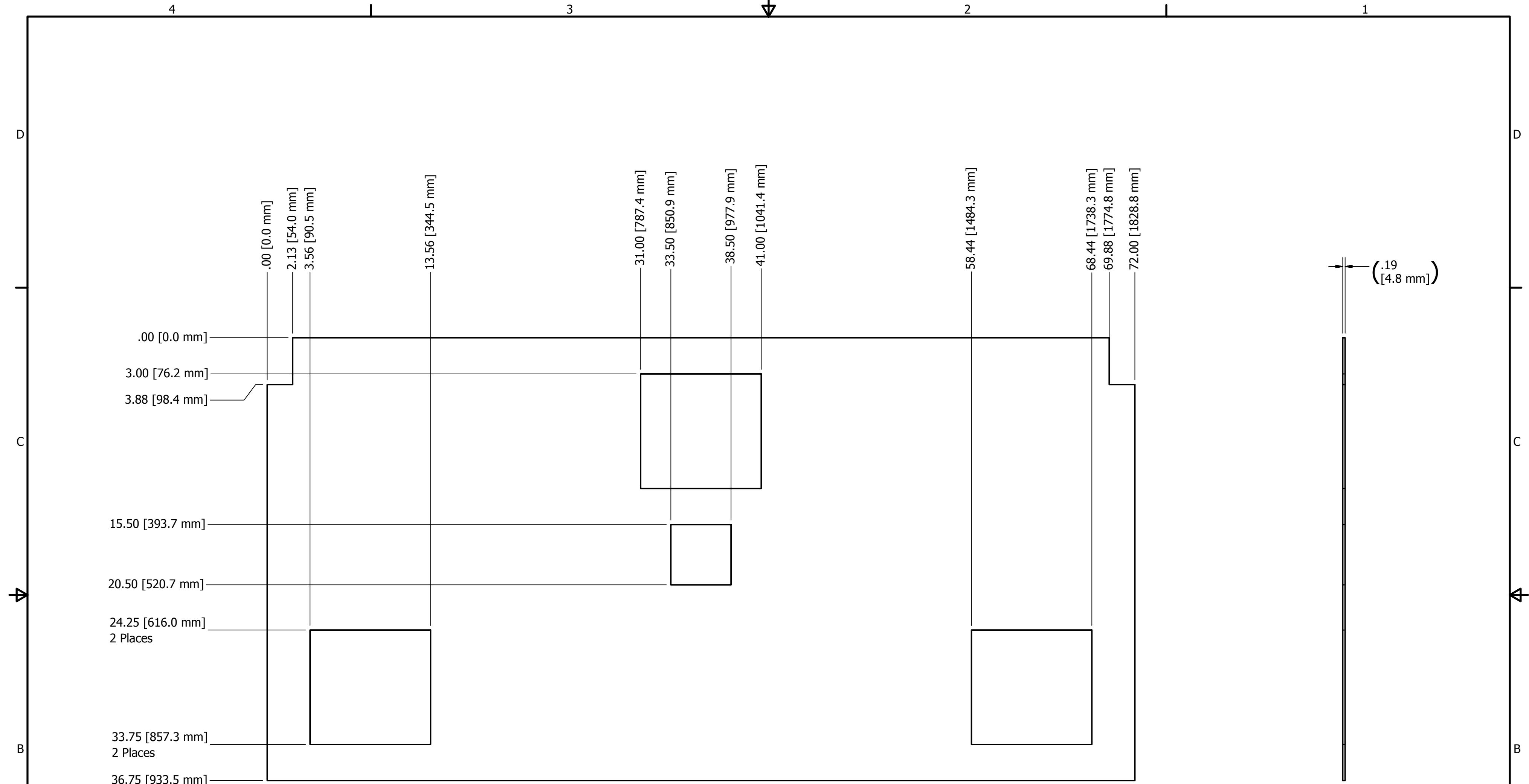
BACK VIEW



FRONT VIEW



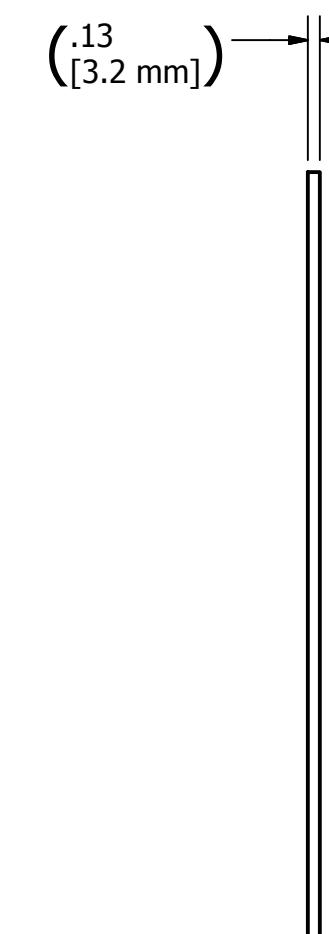
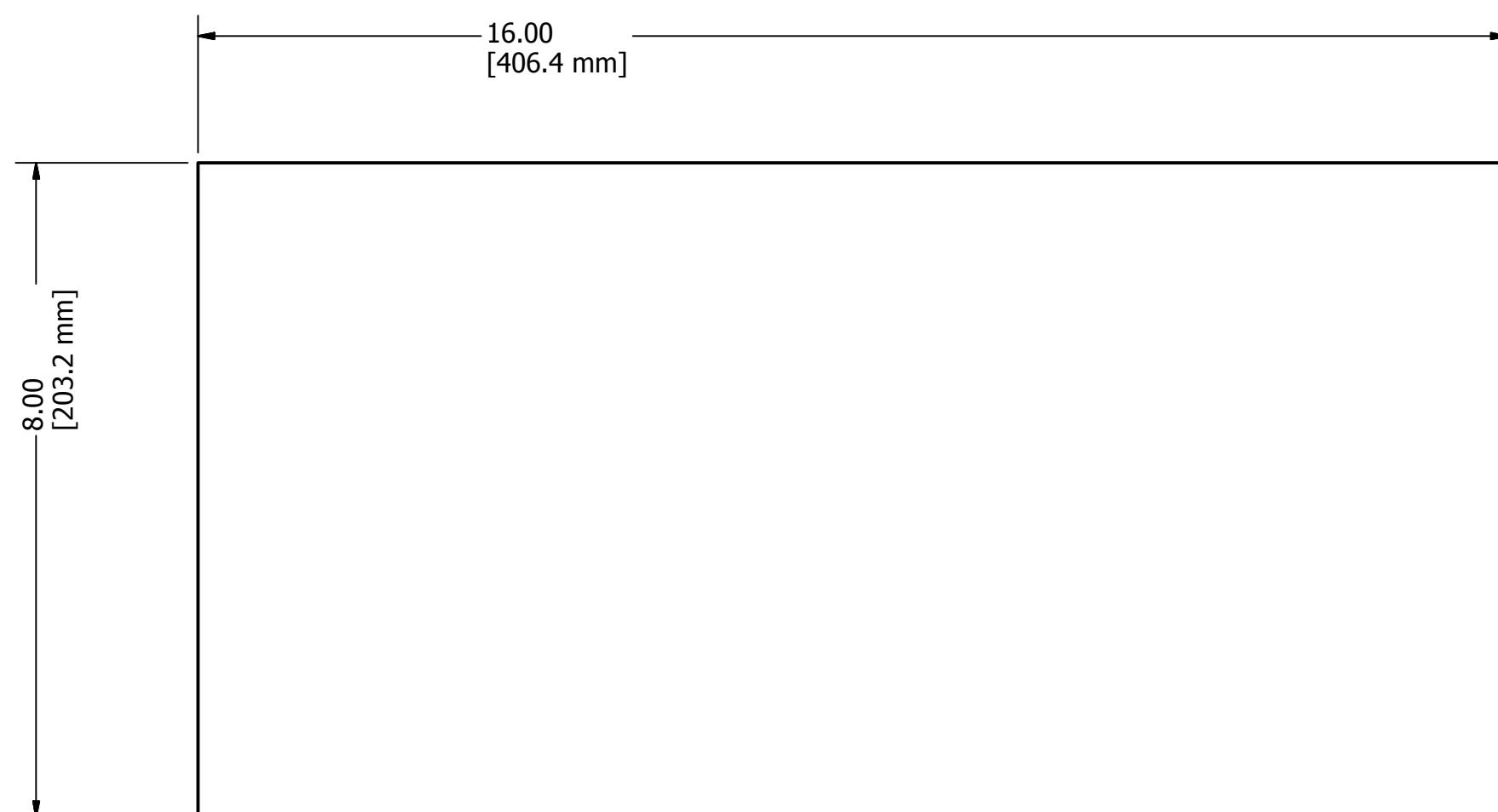
DRAWN mcyr	10/10/2011	FIRST 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907	
CHECKED			
UNLESS OTHERWISE SPECIFIED			
TOLERANCES: (INCHES)			
FRAC.	+/- 1/32		
.00	+/- .01		
.000	+/- .005		
ANGULAR	+/- .25 Deg.	SCALE	DWG NO GE-12028
			REV B
			SHEET 4 OF 8



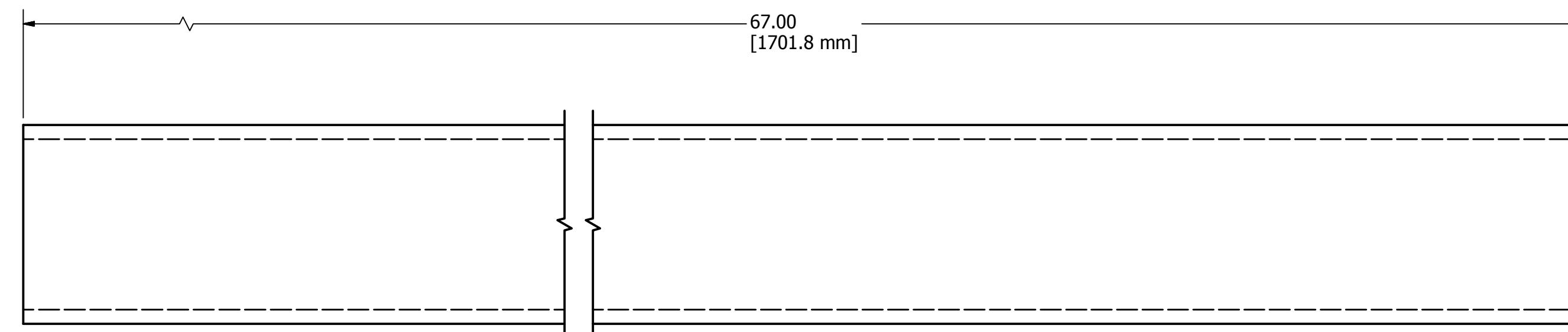
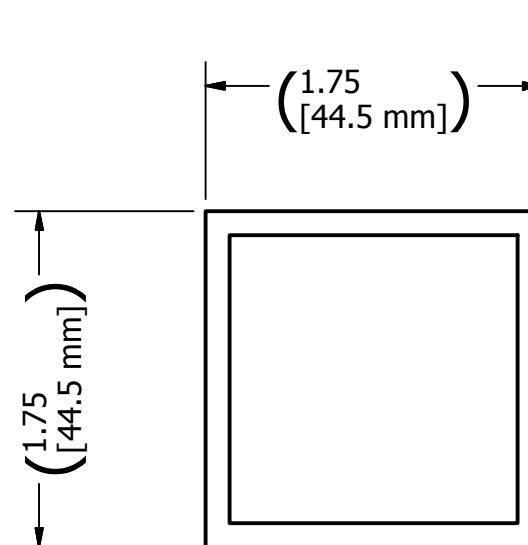
Item: 1, GE-12028-01, Panel, Diamond Plate
Resource: 1
Scale: 1/6
QTY: 1

DRAWN mcyr	10/10/2011	FIRST 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907					
CHECKED							
UNLESS OTHERWISE SPECIFIED							
TOLERANCES: (INCHES)							
FRAC.	+/- 1/32						
.00	+/- .01						
.000	+/- .005						
ANGULAR	+/- .25 Deg.	SCALE	DWG NO	REV			
			GE-12028	B			
			SHEET 5 OF 8				

4 3 2 1



Item: 2, GE-12028-02, Plate, Stop
Resource: 5
Scale: 1/2
QTY: 2



Item: 3, GE-12028-03, Support, Top and Bottom
Resource: 3
Scale: 1:1
QTY: 2

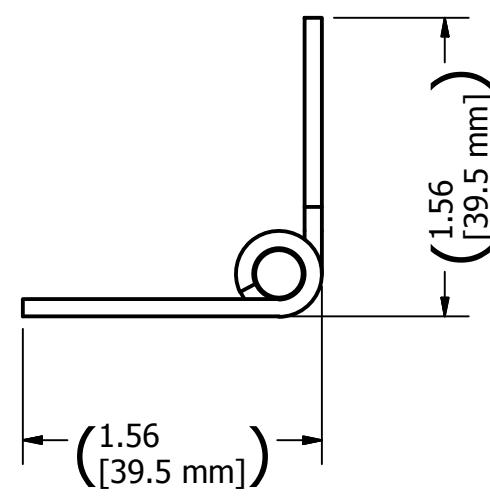
DRAWN mcyr	10/10/2011	FIRST		
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
UNLESS OTHERWISE SPECIFIED				
TOLERANCES: (INCHES)			TITLE	
FRAC.	+/- 1/32	End Panel, Center		
.00	+/- .01	SIZE	DWG NO	REV
.000	+/- .005	C	GE-12028	B
ANGULAR	+/- .25 Deg.	SCALE		SHEET 6 OF 8

4 3 2 1

4 3 2 1

D

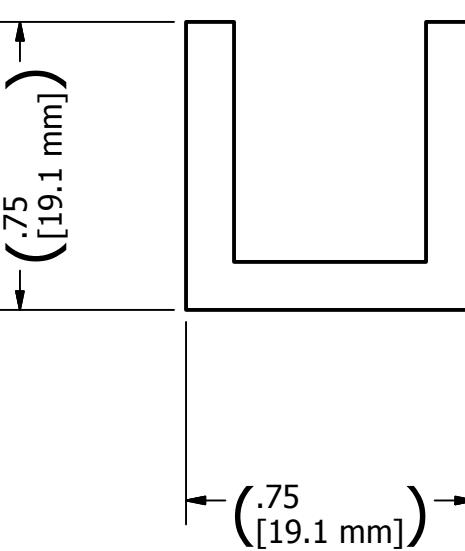
D



Item: 4, GE-12028-04, Hinge, Stop Plate
Resource: 2
Scale: 1:1
QTY: 4

C

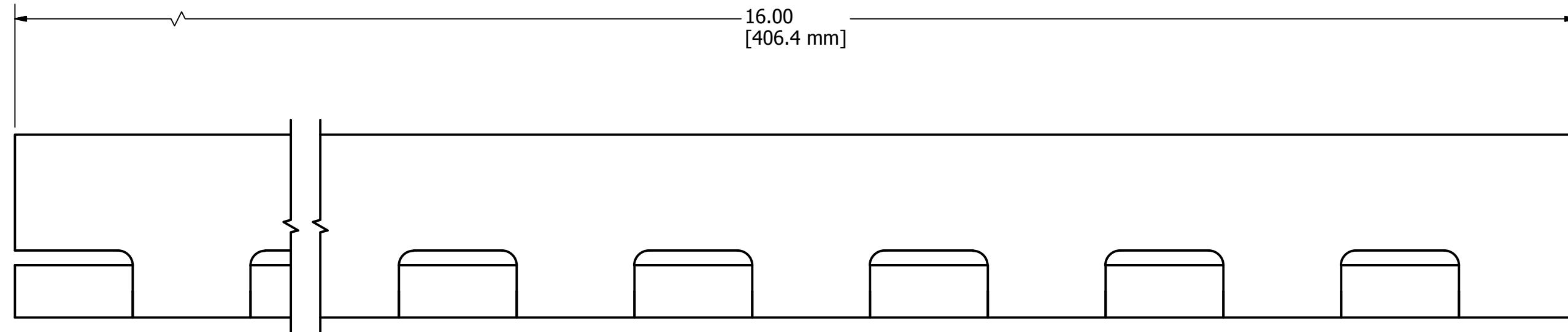
C



A

A

Item: 5, GE-12028-05, Support, Window
Resource: 4
Scale: 2:1
QTY: 1



67.00
[1701.8 mm]

B

B

DRAWN mcyr	10/10/2011	FIRST		
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
UNLESS OTHERWISE SPECIFIED				
TOLERANCES: (INCHES)		TITLE		
FRAC.	+/- 1/32	End Panel, Center		
.00	+/- .01	SIZE	DWG NO	REV
.000	+/- .005	C	GE-12028	B
ANGULAR	+/- .25 Deg.	SCALE		SHEET 7 OF 8

4 3 2 1

4

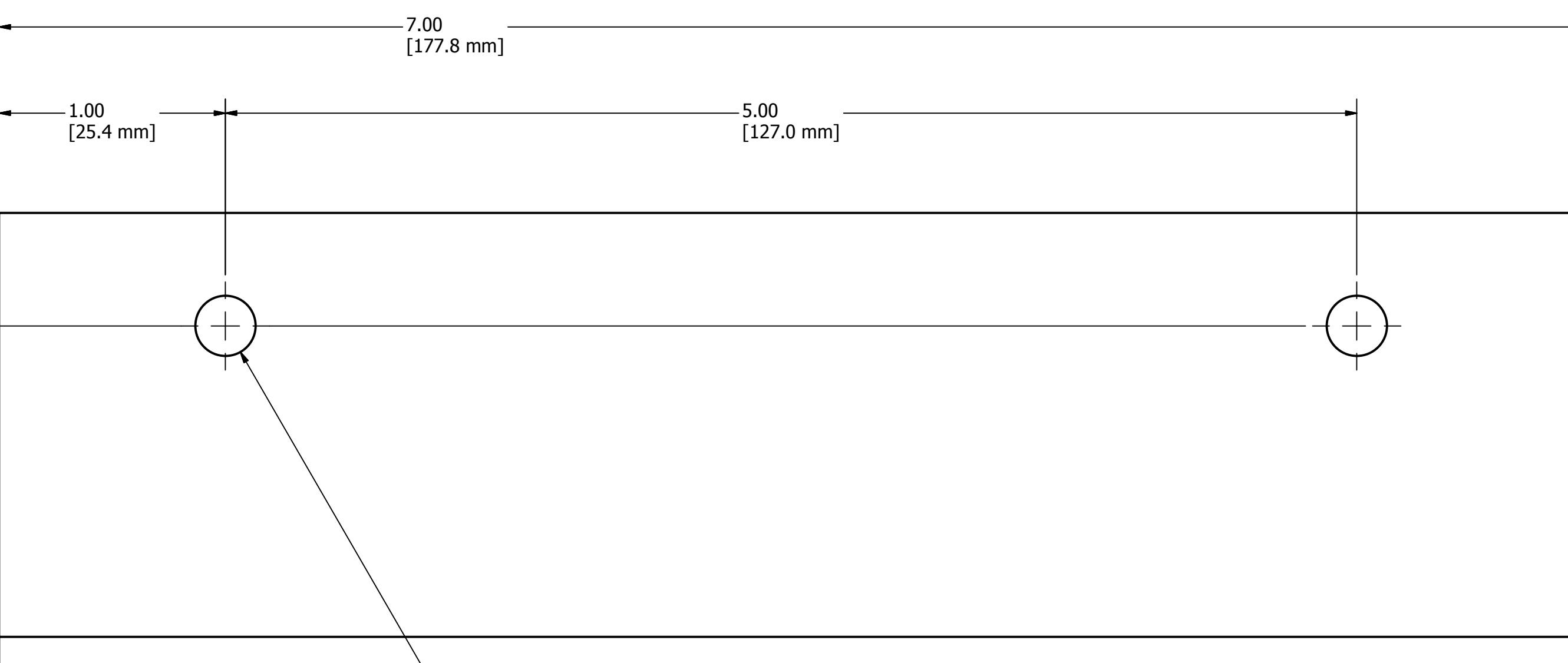
2

1

4 3 2 1

D

D

(.13
[3.2 mm])(2.00
[50.8 mm])(1.00
[25.4 mm]).50
[12.7 mm]

ϕ .27 Thru
[6.7 mm]
2 Places

Item: 6, GE-12028-06, Mounting Bracket, Chute
Resource: 6
Scale: 2:1
QTY: 6

DRAWN mcyr	10/10/2011	FIRST				
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907				
UNLESS OTHERWISE SPECIFIED						
TOLERANCES: (INCHES)			TITLE			
FRAC.	+/- 1/32	End Panel, Center				
.00	+/- .01	SIZE				
.000	+/- .005	DWG NO				
ANGULAR	+/- .25 Deg.	SCALE		REV B		
		GE-12028				
		SHEET 8 OF 8				

4 3 2 1

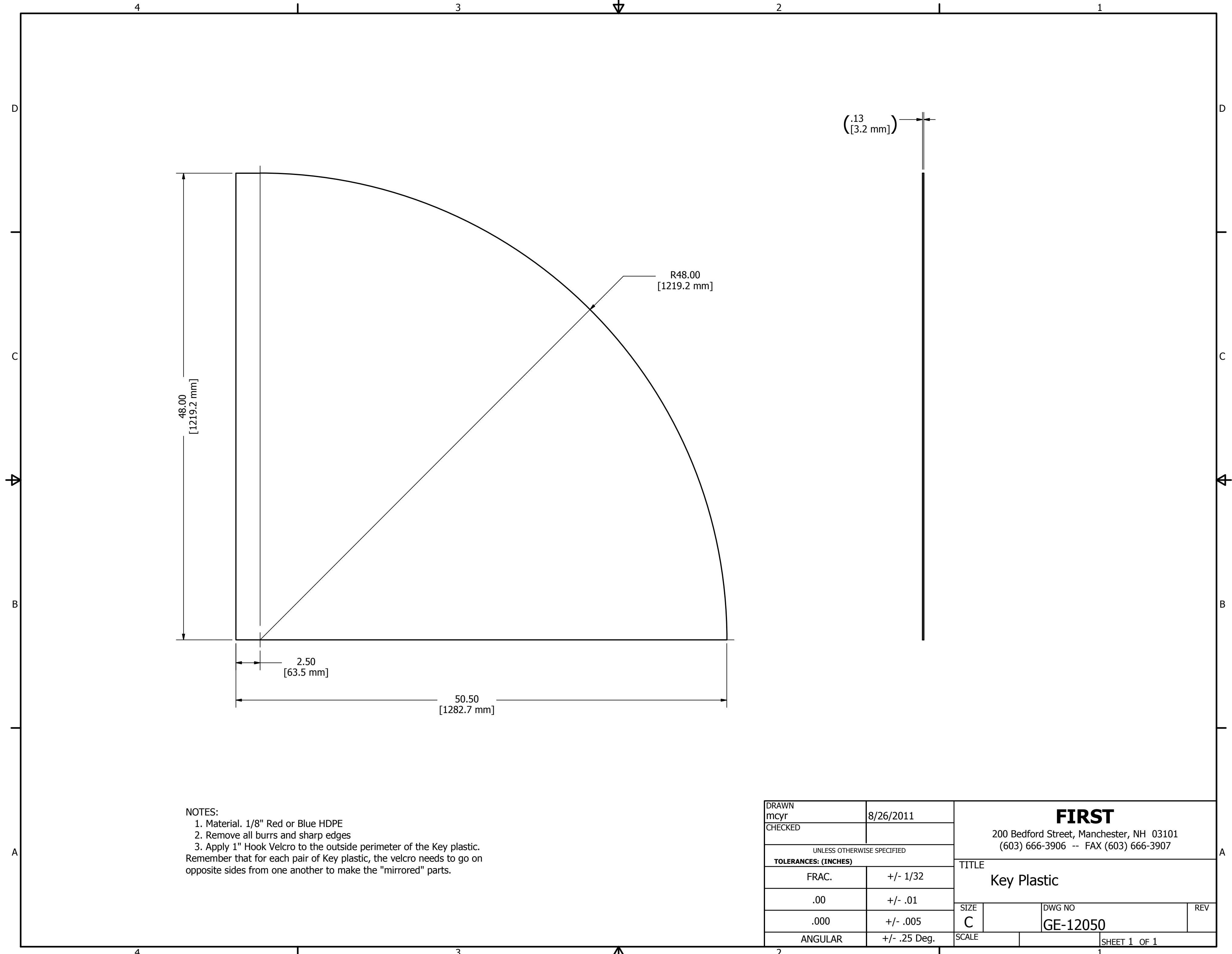
A

A

4

2

1



4

3

2

1

REVISION HISTORY

ZONE	REV	DESCRIPTION	DATE	APPROVED
B4	A	Changed the height from 41.5" to 28"	9/27/2011	

D

D

C

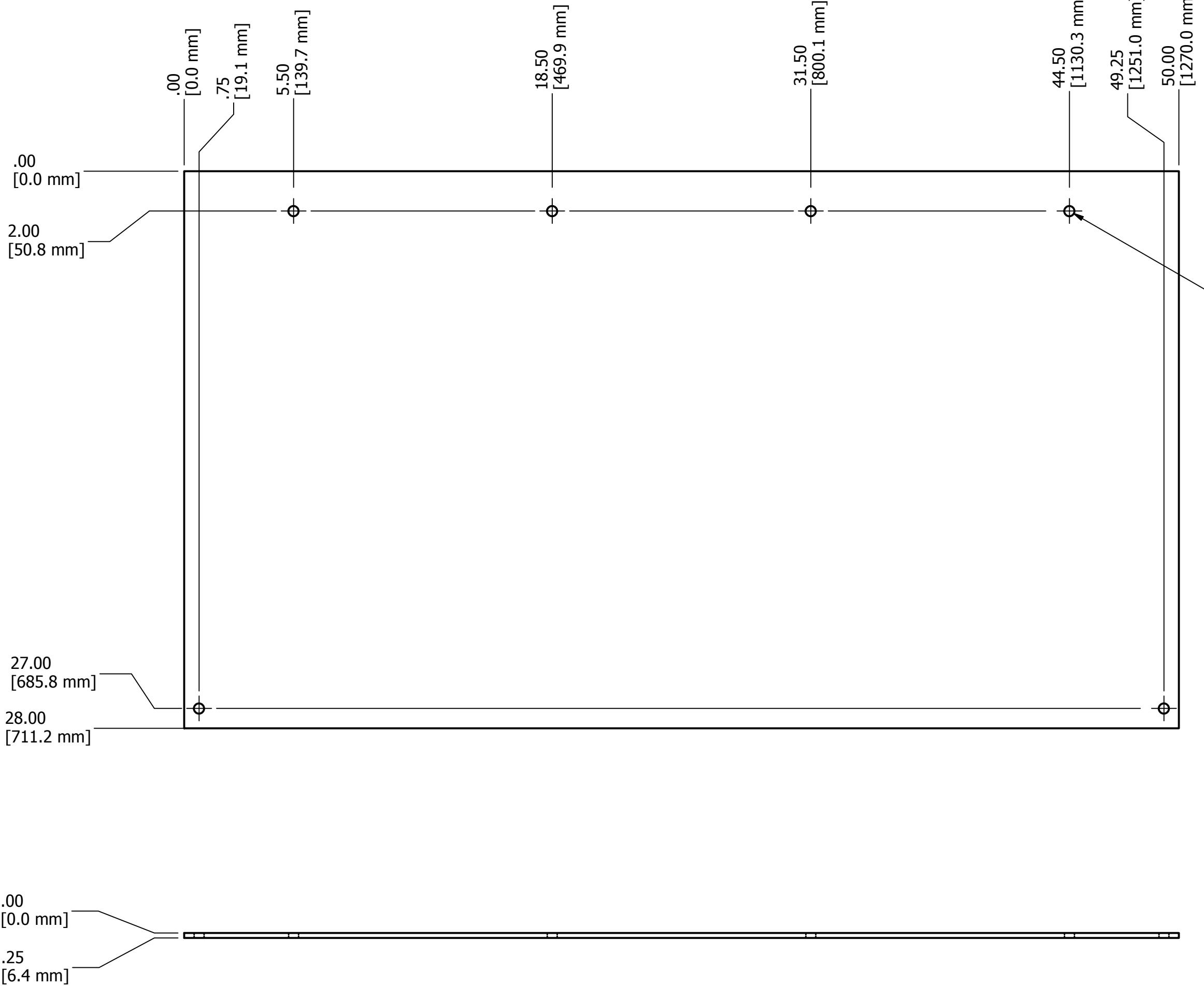
C

B

B

A

A



NOTE:
 1.) Material 1/4" Thick Clear Polycarbonate
 2.) Remove burrs and sharp edges

DRAWN mcyr	8/11/2011	FIRST 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
CHECKED				
UNLESS OTHERWISE SPECIFIED				
TOLERANCES: (INCHES)				
FRAC.	+/- 1/32			
.00	+/- .01			
.000	+/- .005			
ANGULAR	+/- .25 Deg.	SCALE	DWG NO	REV
			GE-12051	A
			SHEET 1 OF 1	

4

3

2

1

D

D

C

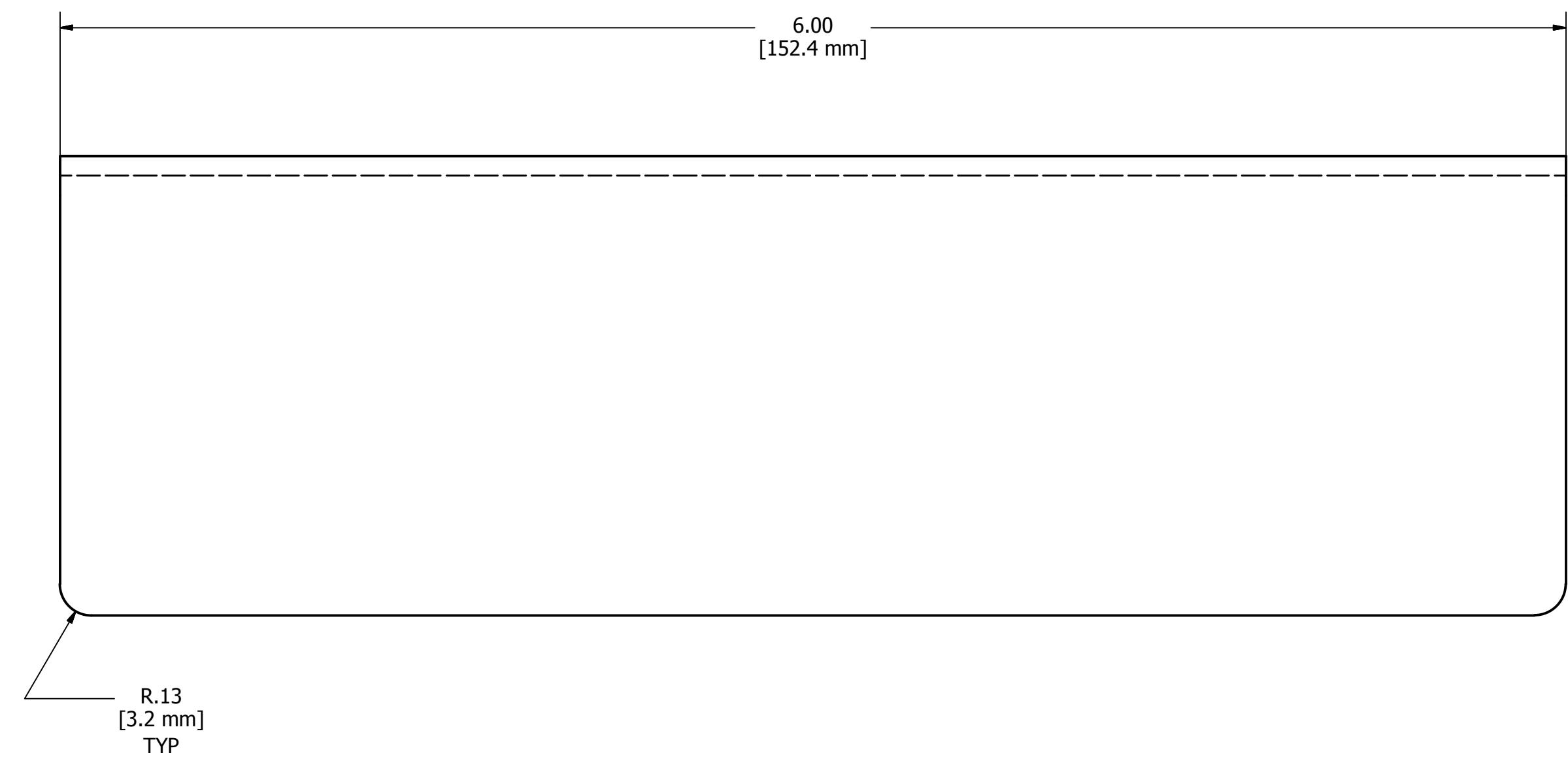
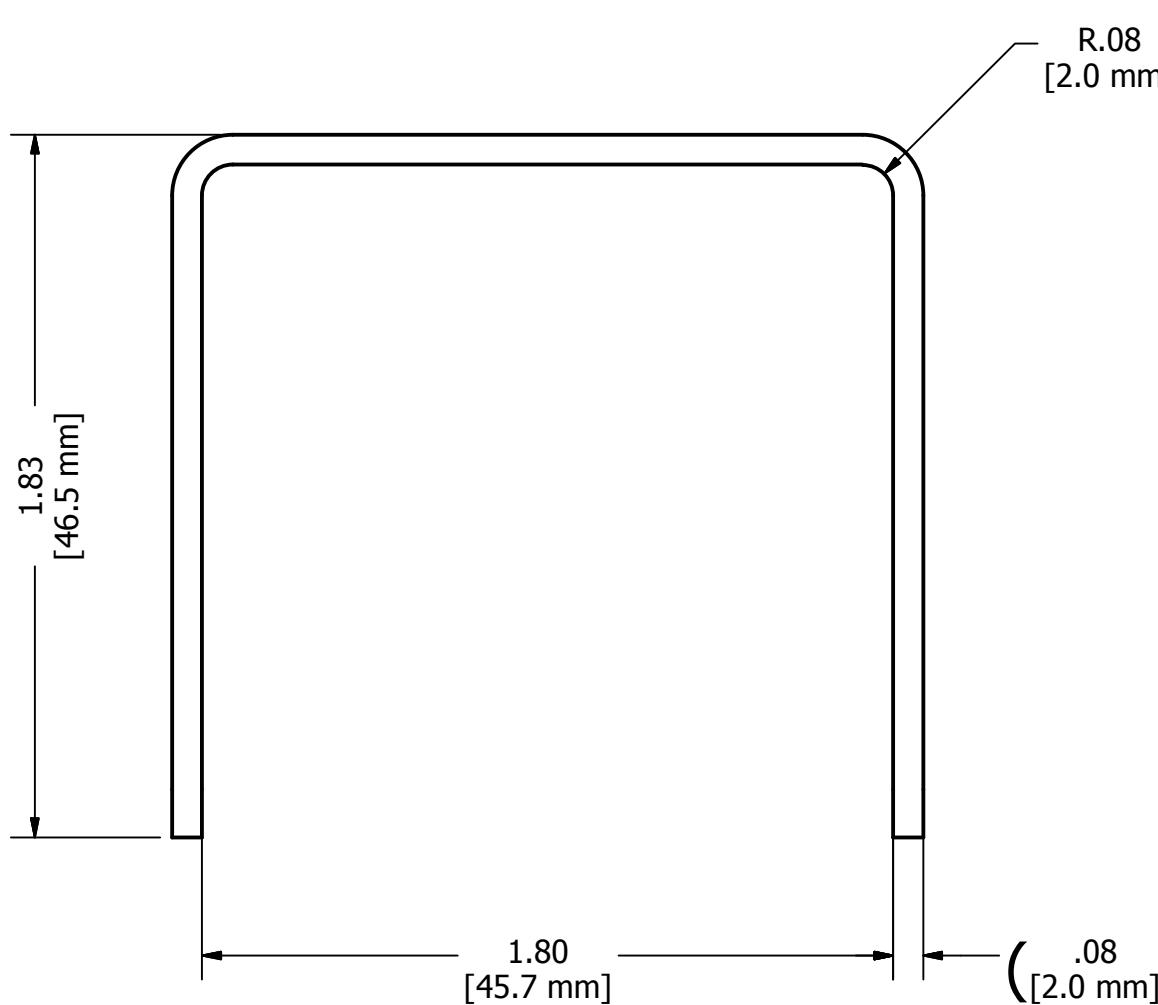
C

B

B

A

A



NOTE:

- 1.) Material: 12 Gauge 5052 Aluminum
- 2.) Remove all burrs and sharpe edges

DRAWN mcyr	8/29/2011	FIRST 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907					
CHECKED							
UNLESS OTHERWISE SPECIFIED							
TOLERANCES: (INCHES)							
FRAC.	+/- 1/32	TITLE Channel, Net Bracket					
.00	+/- .01						
.000	+/- .005	SIZE C	DWG NO GE-12052	REV			
ANGULAR	+/- .25 Deg.	SCALE		SHEET 1 OF 1			

4

3

2

1

4

4

3

2

1

REVISION HISTORY

ZONE	REV	DESCRIPTION	DATE	APPROVED
C-2	A	Sheet 3 Added .92" Dimension on thru hole position	11/8/2011	MLC

D

D

C

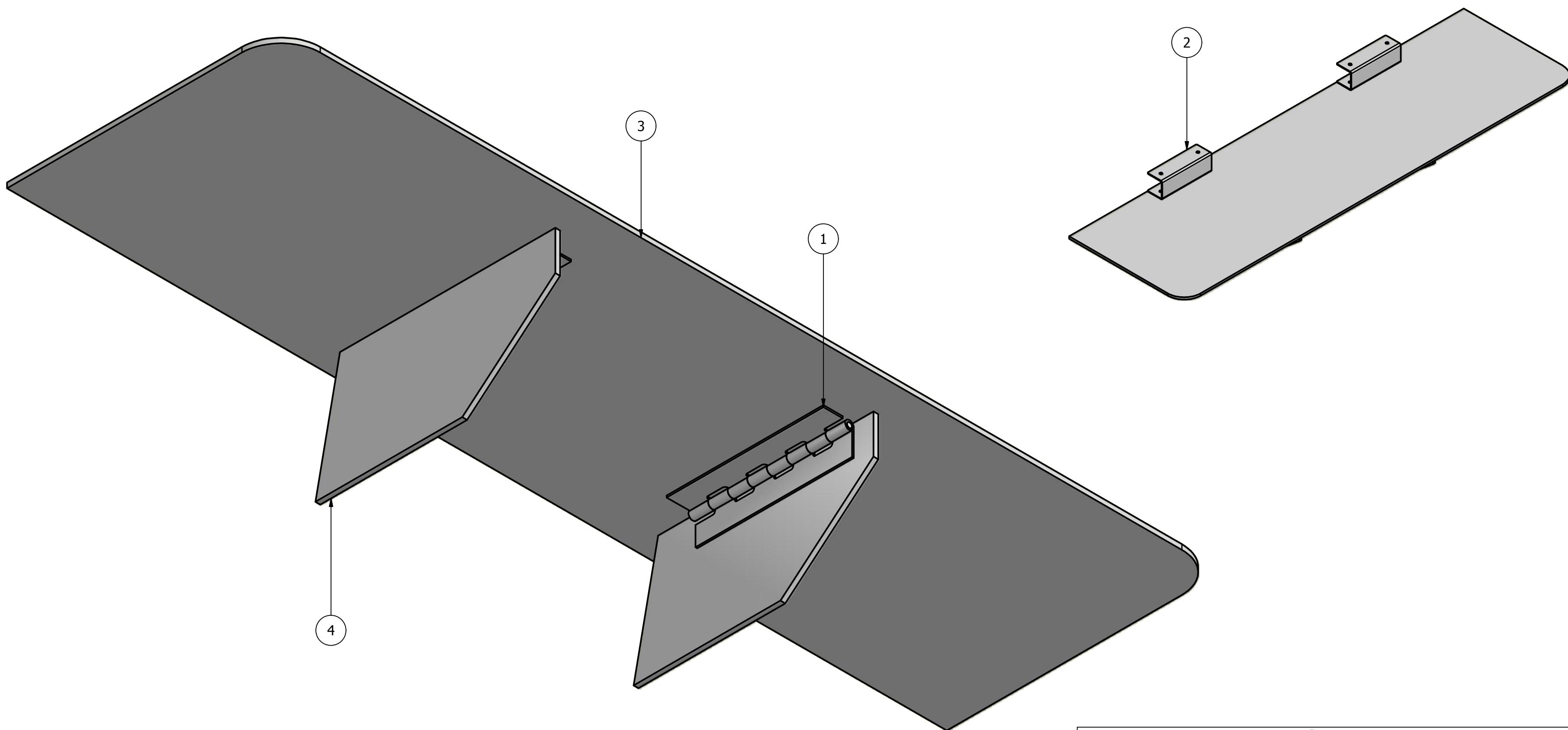
C

B

B

A

A



Resources		
Resource	Material	Quantity
1	1/4" Thick 6061 T6 Aluminum Plate	4 Feet
2	Hinge, Aluminum 3" x .09", 1/4" Pin	17 Inches

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	FE-00004-08	Hinge, Shelf Support
2	2	GE-12052_modified	Channel, Net Bracket
3	1	GE-12053-01	Shelf
4	2	GE-12053-02	Shelf Support

DRAWN mcyr	8/29/2011	FIRST 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907			
CHECKED					
UNLESS OTHERWISE SPECIFIED					
TOLERANCES: (INCHES)					
FRAC.	+/- 1/32	TITLE Shelf Assembly			
.00	+/- .01				
.000	+/- .005				
ANGULAR	+/- .25 Deg.	SIZE C	DWG NO GE-12053		
		SCALE	REV A		
			SHEET 1 OF 5		

4

3

2

1

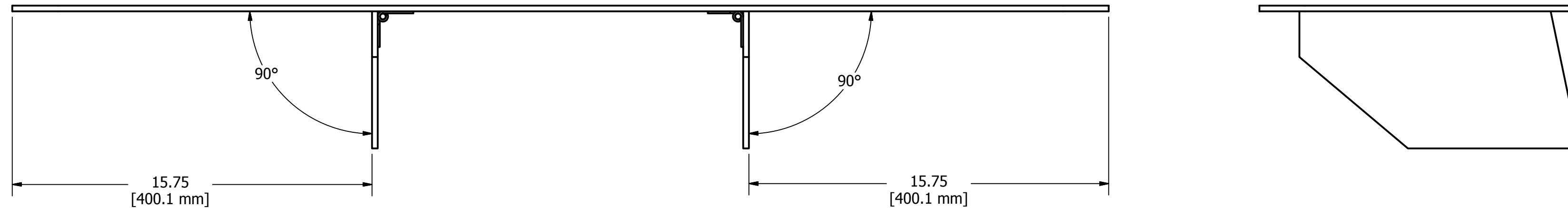
4

D

4 3 2 1

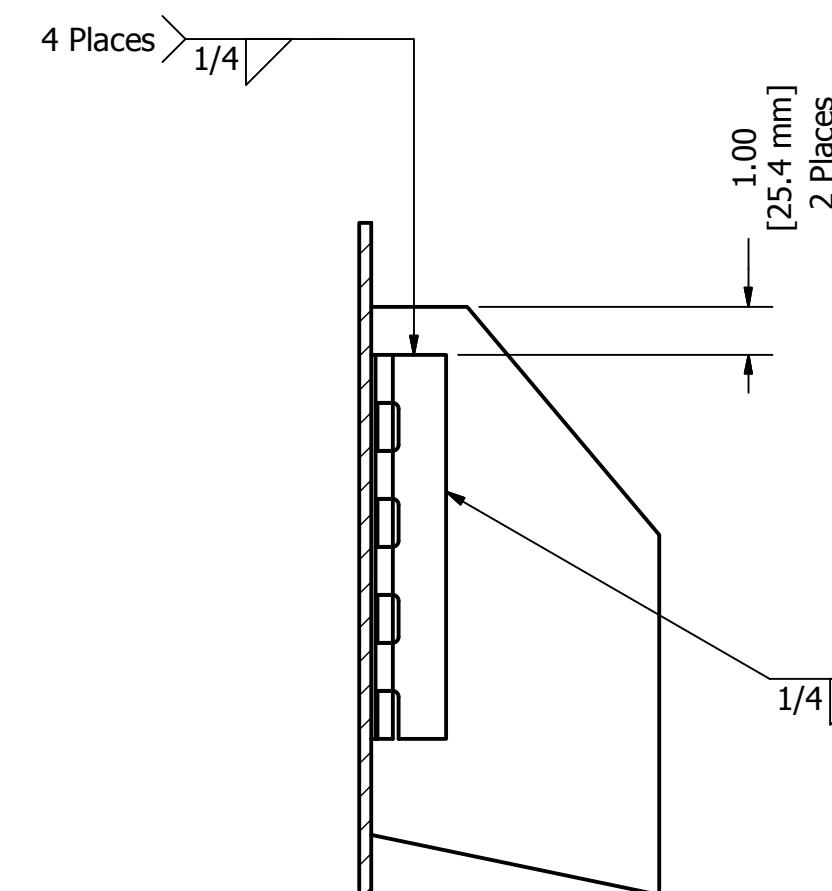
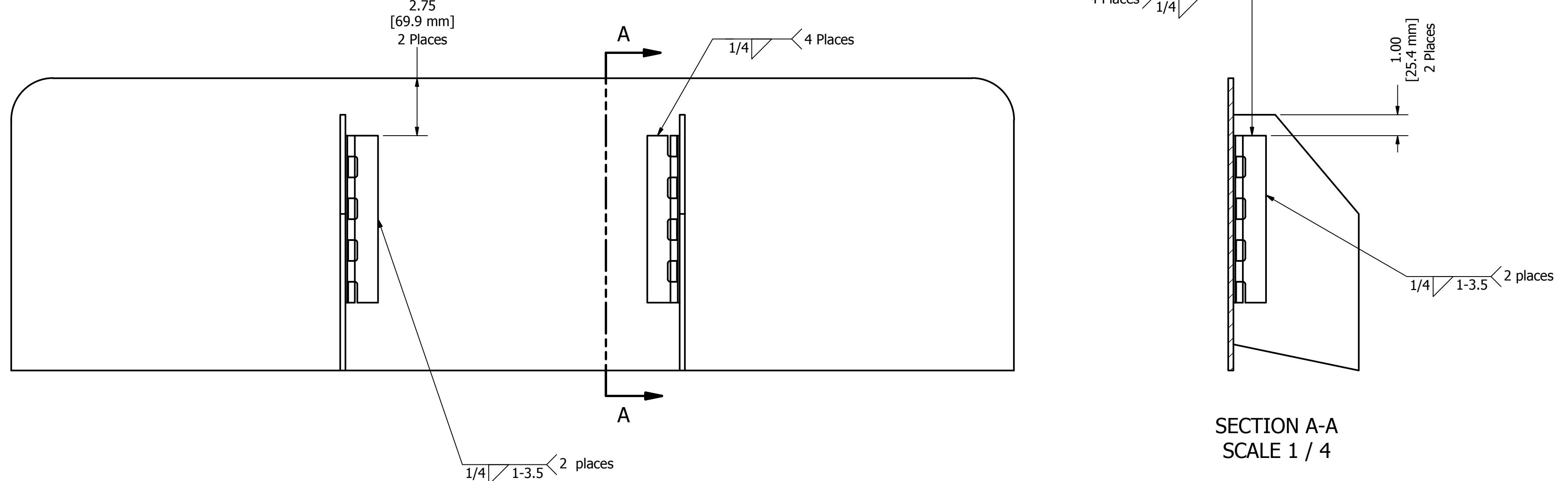
D

D



C

C



SECTION A-A
SCALE 1 / 4

A

A

DRAWN mcyr	8/29/2011	FIRST	
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907	
UNLESS OTHERWISE SPECIFIED			
TOLERANCES: (INCHES)		TITLE	
FRAC.	$+\text{-} \frac{1}{32}$	Shelf Assembly	
.00	$+\text{-}.01$	SIZE	DWG NO
.000	$+\text{-}.005$	C	GE-12053
ANGULAR	$+\text{-}.25 \text{ Deg.}$	SCALE	REV A
			SHEET 2 OF 5

4 3 2 1

4

3

2

1

D

D

C

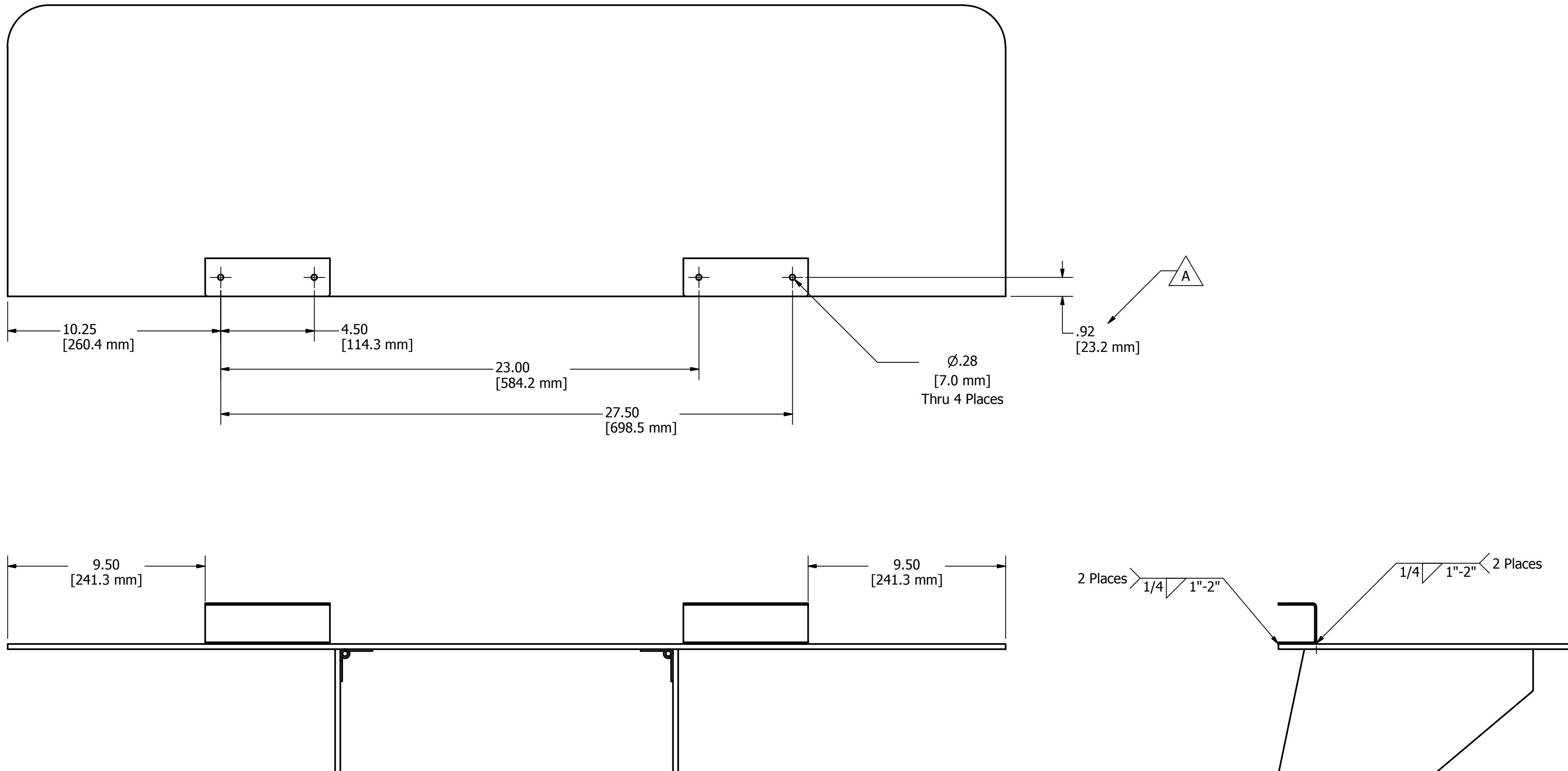
C

B

B

A

A



NOTE:
1. Drill thru holes after welding

DRAWN mcyr	8/29/2011	FIRST 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
CHECKED				
UNLESS OTHERWISE SPECIFIED				
TOLERANCES: (INCHES)		TITLE		
FRAC.	+/- 1/32	Shelf Assembly		
.00	+/- .01	SIZE		
.000	+/- .005	DWG NO		
ANGULAR	+/- .25 Deg.	SCALE		REV A
				SHEET 3 OF 5

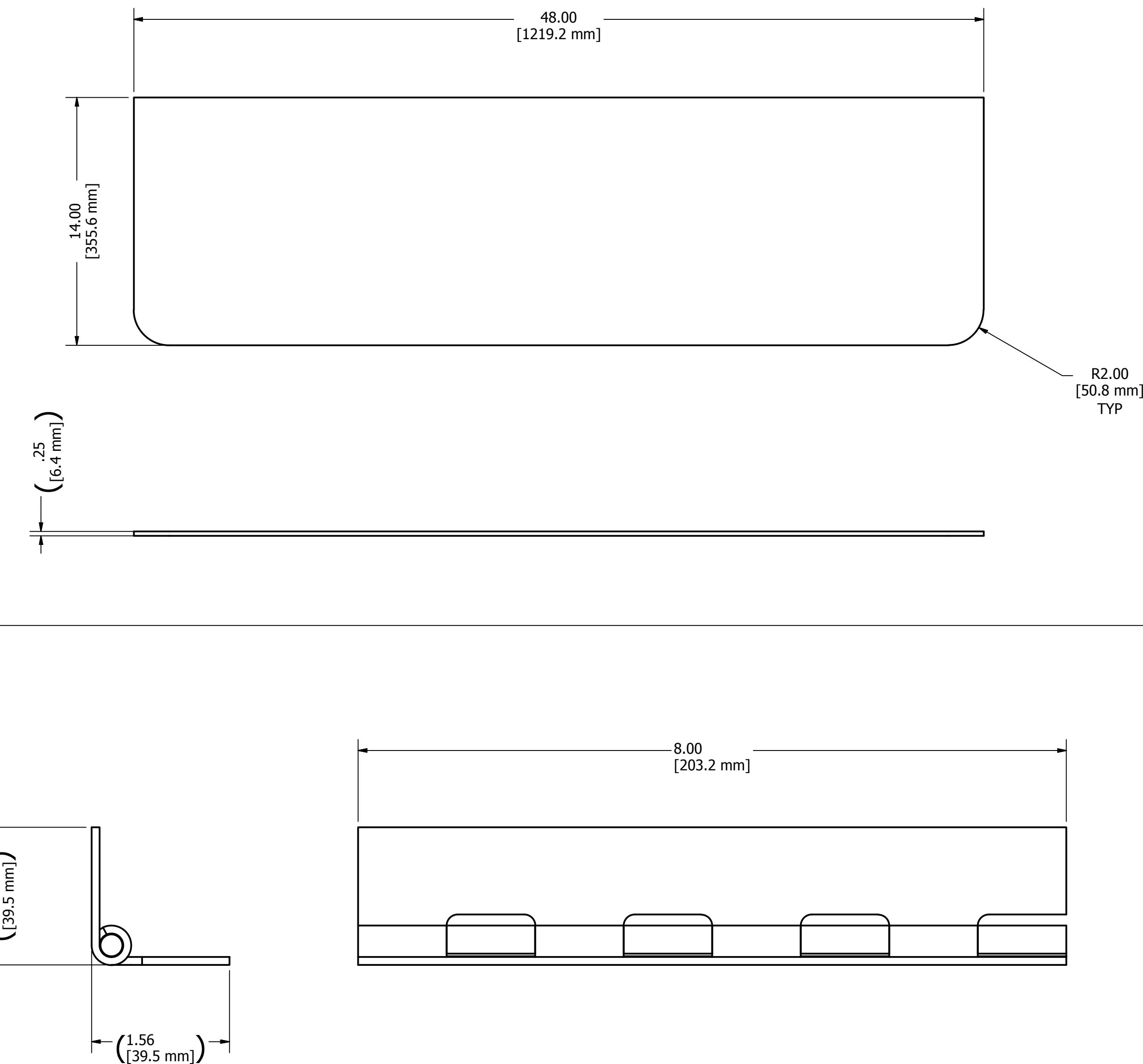
4

3

2

1

4 3 2 1

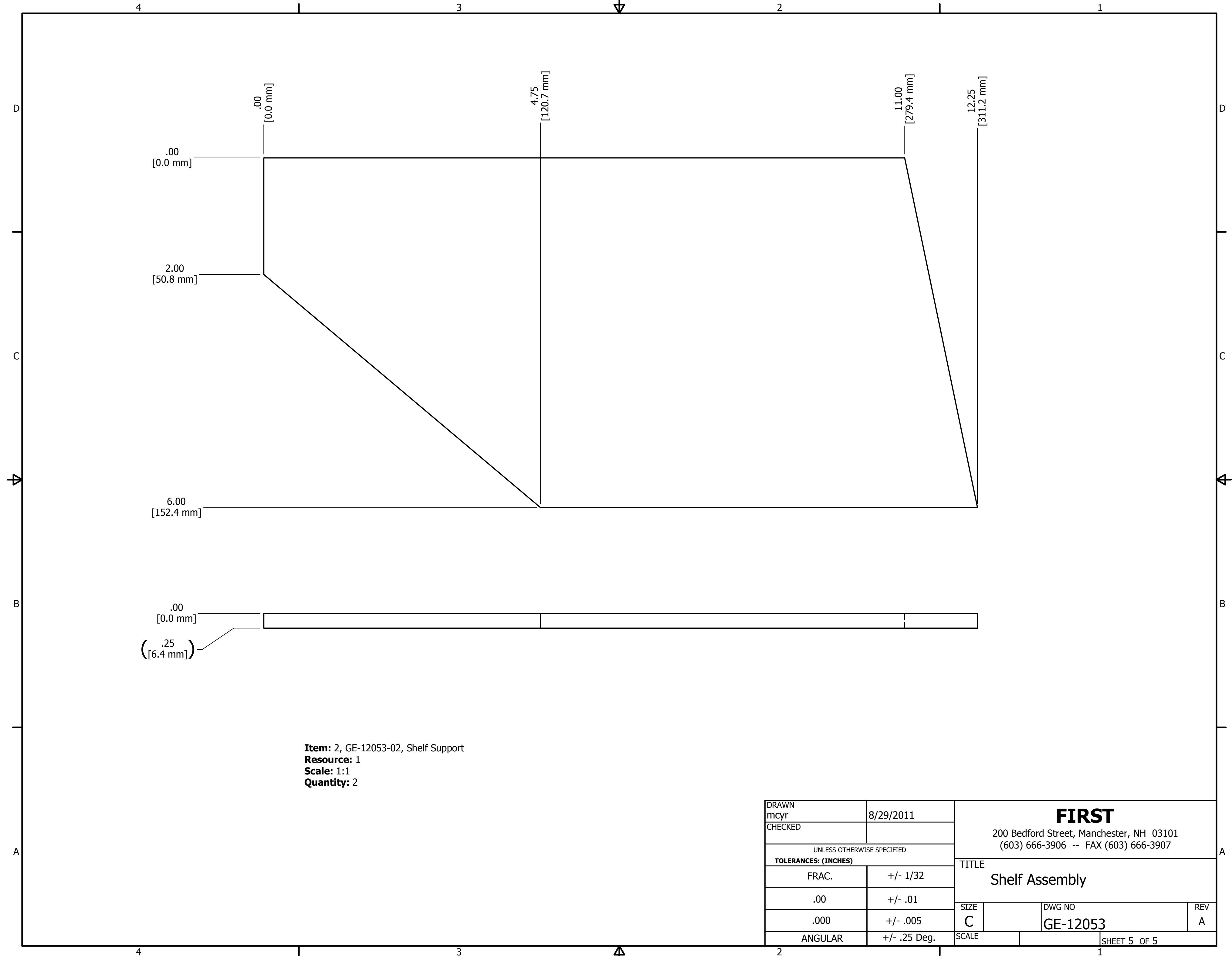


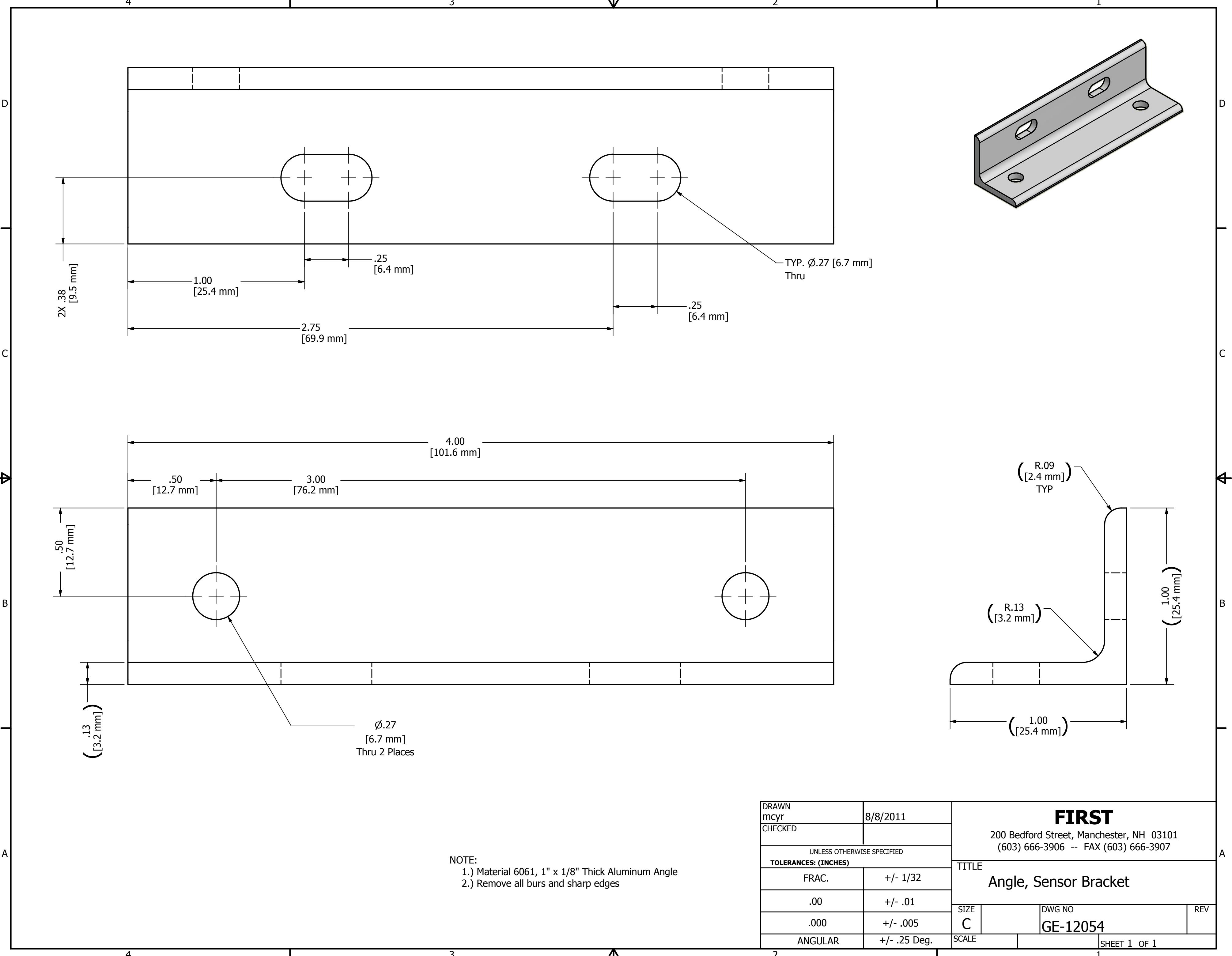
Item: 1, GE-12053-01, Shelf
Resource: 1
Scale: 1/5
Quantity: 1

Item: 3, FE-00004-08, Hinge
Resource: 1
Scale: 1:1
Quantity: 2

DRAWN mcyr	8/29/2011	FIRST				
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907				
UNLESS OTHERWISE SPECIFIED						
TOLERANCES: (INCHES)			TITLE			
FRAC.	+/- 1/32	Shelf Assembly				
.00	+/- .01	SIZE				
.000	+/- .005	DWG NO				
ANGULAR	+/- .25 Deg.	SCALE	GE-12053			
			REV A			
			SHEET 4 OF 5			

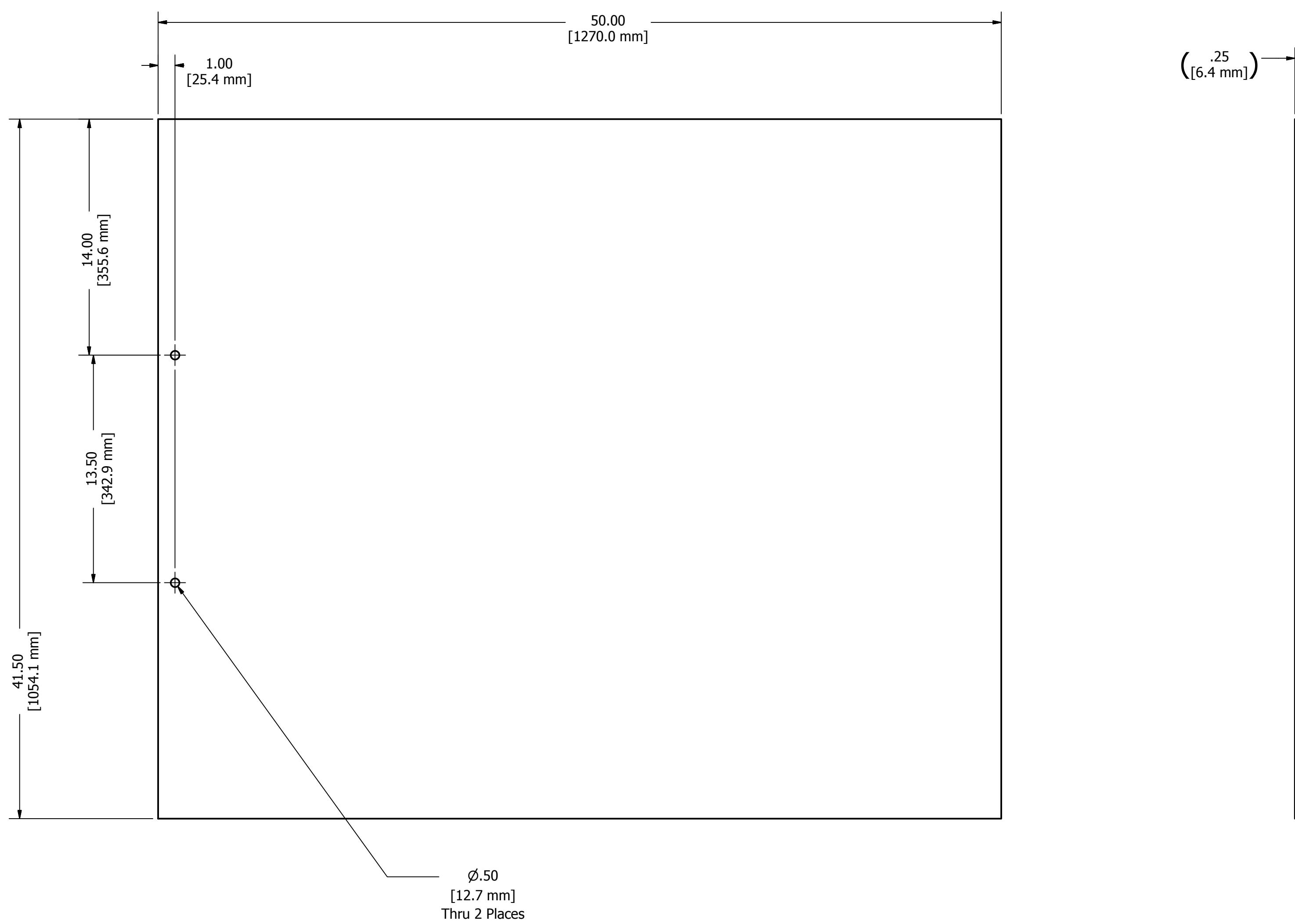
4 3 2 1





REVISION HISTORY

ZONE	REV	DESCRIPTION	DATE	APPROVED
C4	A	Added the .50 Diam Thru Holes	9/28/2011	MLC

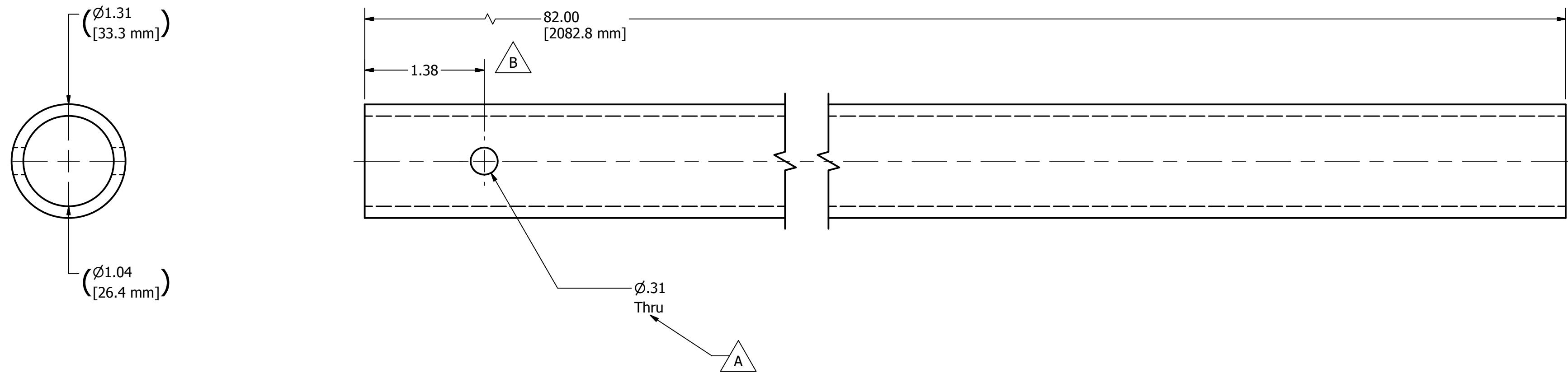


NOTE:

- 1.) Material: 1/4" Thick clear polycarbonate
- 2.) Remove all burrs and sharp edges

DRAWN mcyr	8/31/2011	FIRST					
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907					
UNLESS OTHERWISE SPECIFIED							
TOLERANCES: (INCHES)							
FRAC.	+/- 1/32	TITLE					
.00	+/- .01	Glass, Corner Drivers Station					
.000	+/- .005	SIZE	DWG NO	REV			
ANGULAR	+/- .25 Deg.	C	GE-12055	A			
SCALE							
SHEET 1 OF 1							

REVISION HISTORY		DATE	APPROVED
ZONE	REV	DESCRIPTION	
C-3	A	Removed slot and added thru hole .3125" Dia.	11/7/2011 MLC
C-3	B	Added missing 1.38 dimension	12/19/2011 DAF

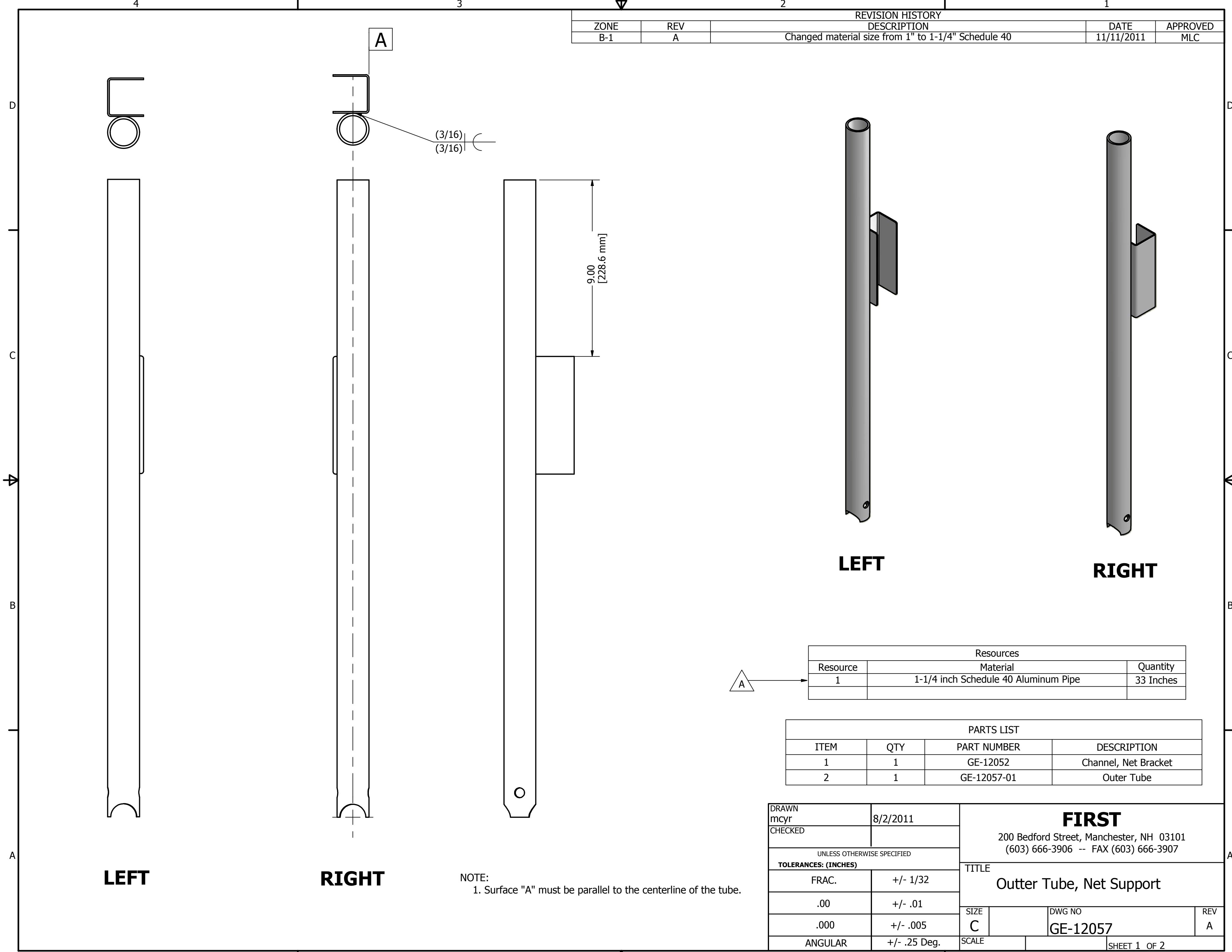
**NOTE:**

- 1.) Material: 1" Schedule 40, 6061 Aluminum Pipe
- 2.) Remove burrs and sharp edges

DRAWN mcyr	8/2/2011	FIRST 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
CHECKED				
UNLESS OTHERWISE SPECIFIED				
TOLERANCES: (INCHES)				
FRAC.	+/- 1/32			
.00	+/- .01			
.000	+/- .005			
ANGULAR	+/- .25 Deg.	SCALE	DWG NO	REV
			GE-12056	B
			SHEET 1 OF 1	

REVISION HISTORY

ZONE	REV	DESCRIPTION	DATE	APPROVED
B-1	A	Changed material size from 1" to 1-1/4" Schedule 40	11/11/2011	MLC



4

3

2

1

D

D

C

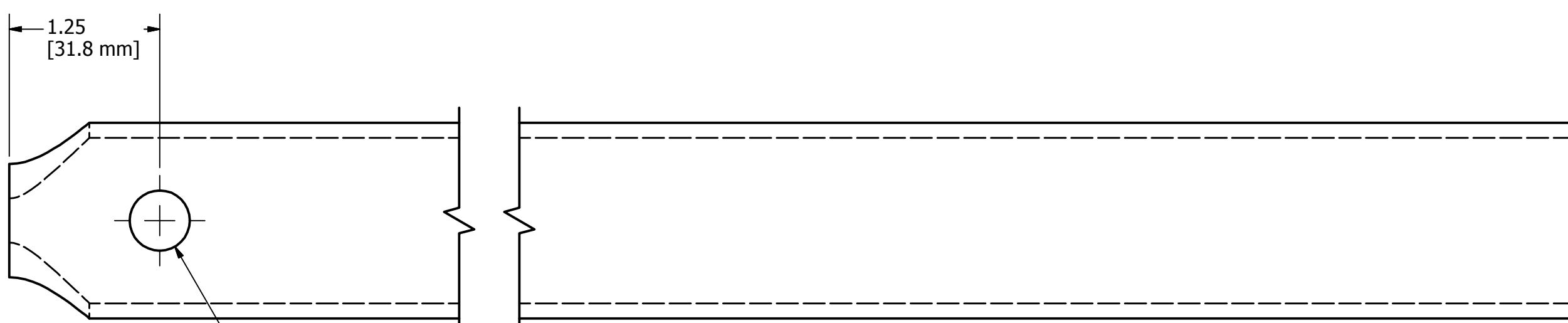
C

B

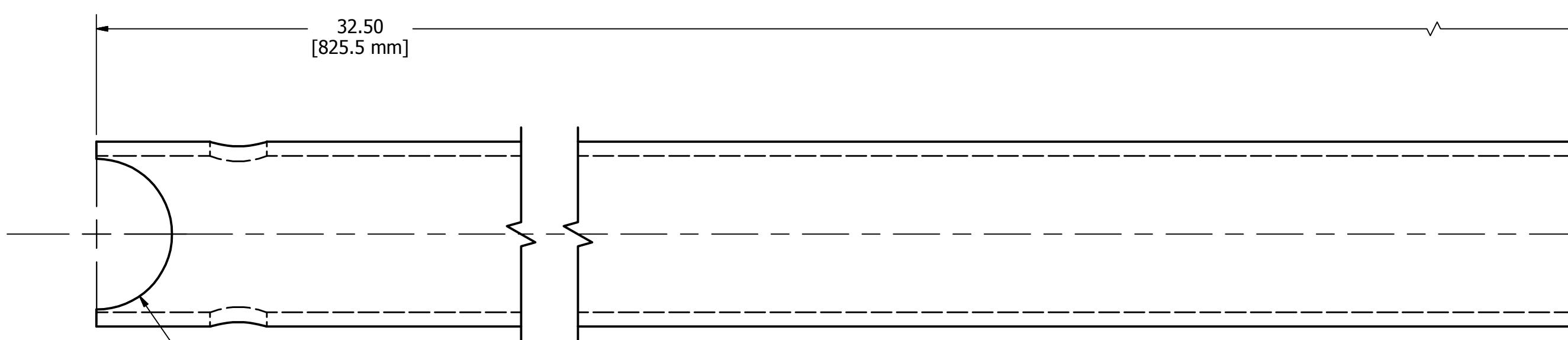
B

A

A

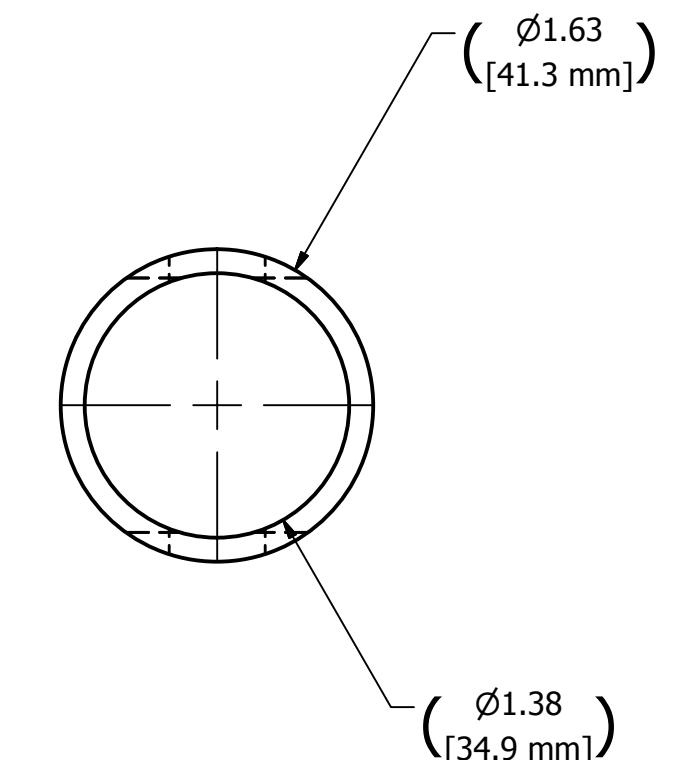


R.25
[6.4 mm]
Thru Both Walls



R.66
[16.8 mm]

Item: 2, GE-12057-01, Channel, Net Support
Resource: 1
Scale: 1:1
QTY: 1



DRAWN mcyr	8/2/2011	FIRST		
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
UNLESS OTHERWISE SPECIFIED				
TOLERANCES: (INCHES)		TITLE		
FRAC.	+/- 1/32	Outer Tube, Net Support		
.00	+/- .01	SIZE	DWG NO	REV
.000	+/- .005	C	GE-12057	A
ANGULAR	+/- .25 Deg.	SCALE		SHEET 2 OF 2

4

3

2

1

4

4

3

2

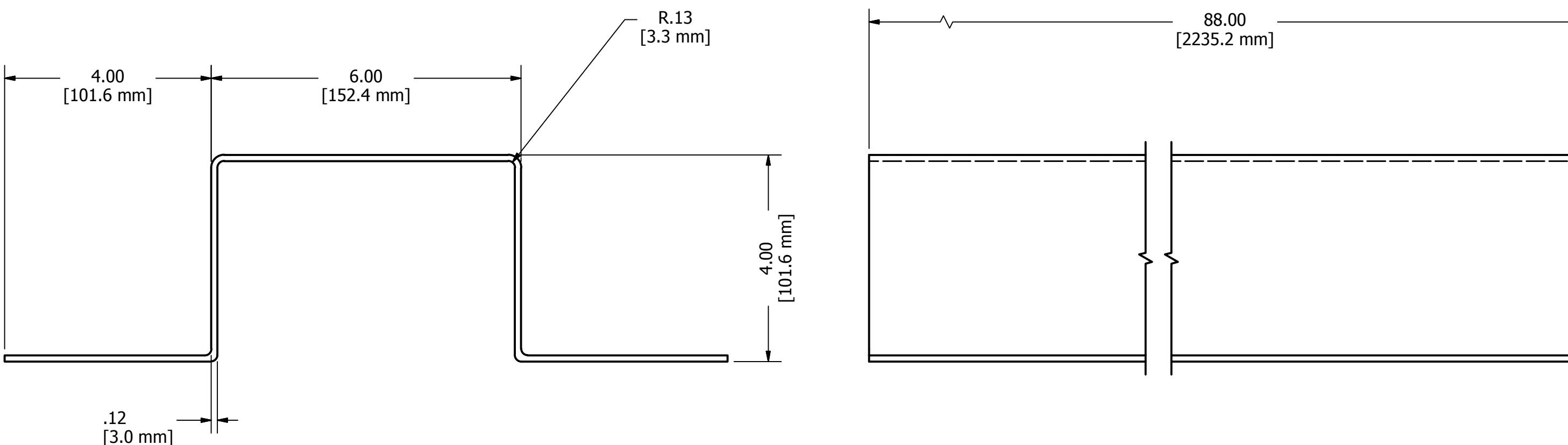
1

REVISION HISTORY

ZONE	REV	DESCRIPTION	DATE	APPROVED
A4	A	Added Plating Spec and mm to all dimensions	10/3/2011	MLC
A4	B	Changed plating to Zinc with Clear Chromate	11/1/2011	MLC

B

B



NOTE:
 1.) Material: Cold Rolled, Sheet Steel
 2.) Remove all burrs and sharp edges
 3.) Plating Spec: Zinc with Clear Chromate

DRAWN
dfoster

6/20/2011

CHECKED

200 Bedford Street, Manchester, NH 03101
(603) 666-3906 -- FAX (603) 666-3907

UNLESS OTHERWISE SPECIFIED

TOLERANCES: (INCHES)

FRAC. +/- 1/32

.00 +/- .01

.000 +/- .005

ANGULAR +/- .25 Deg.

TITLE

Center Field Channel

SIZE

B

DWG NO

GE-12058

REV

B

SHEET 1 OF 1

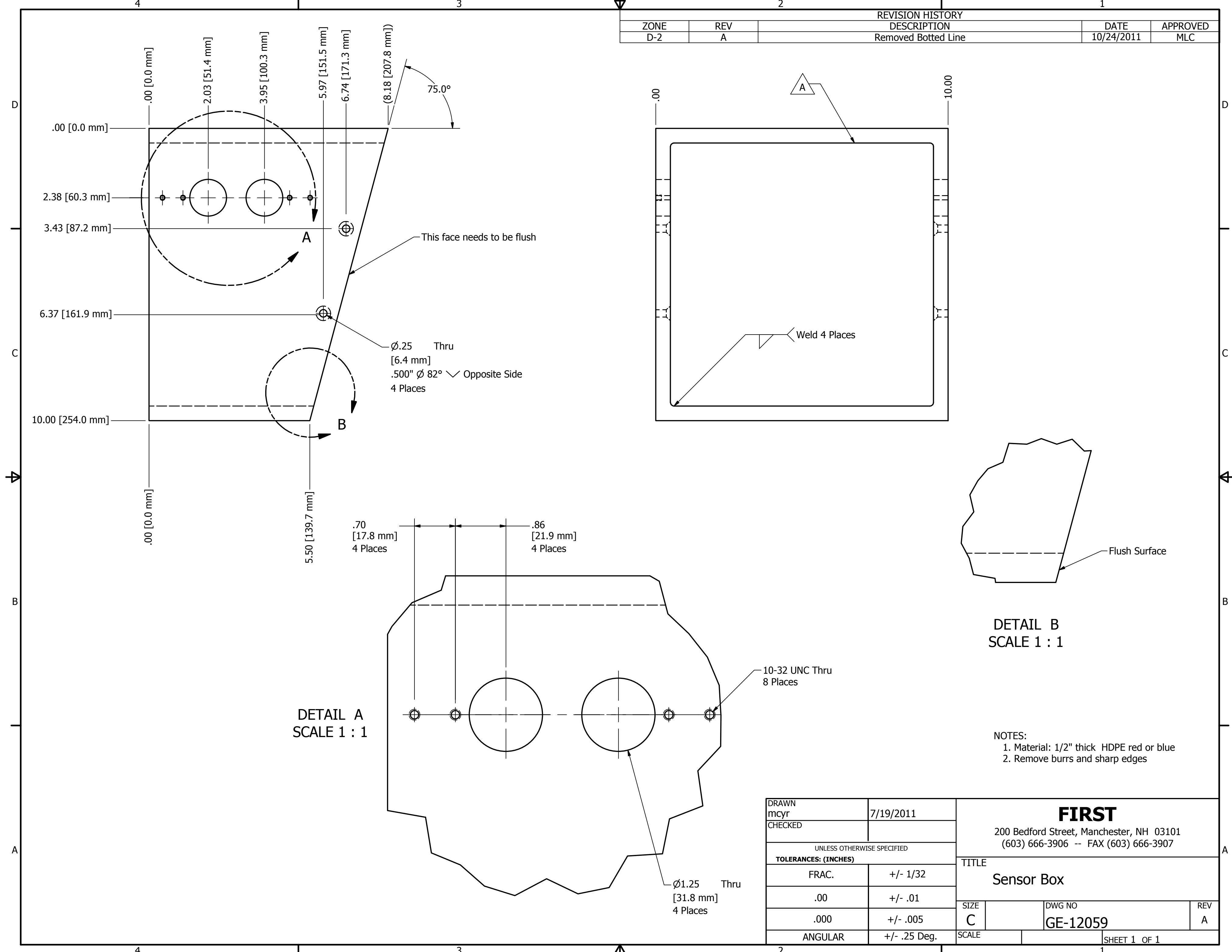
4

3

2

1

4



4 3 2 1

D

D

C

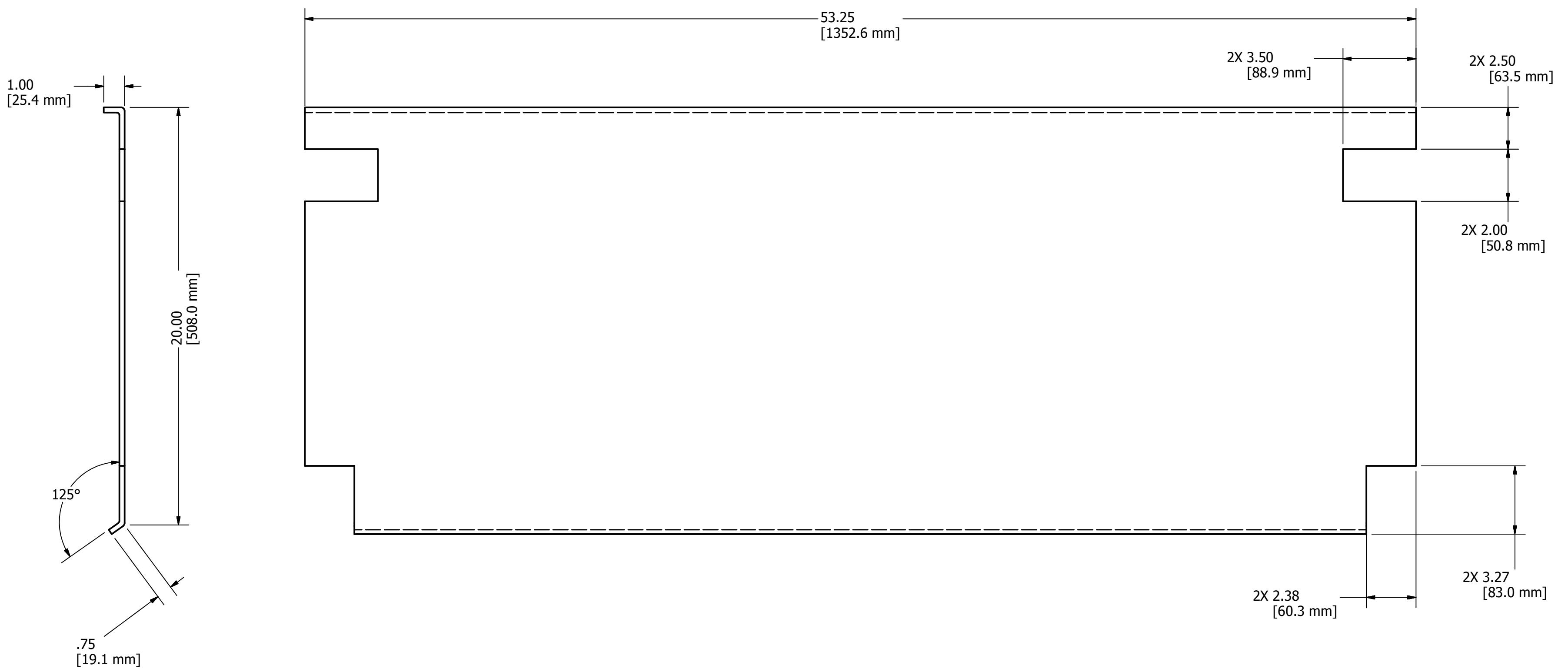
C

B

B

A

A

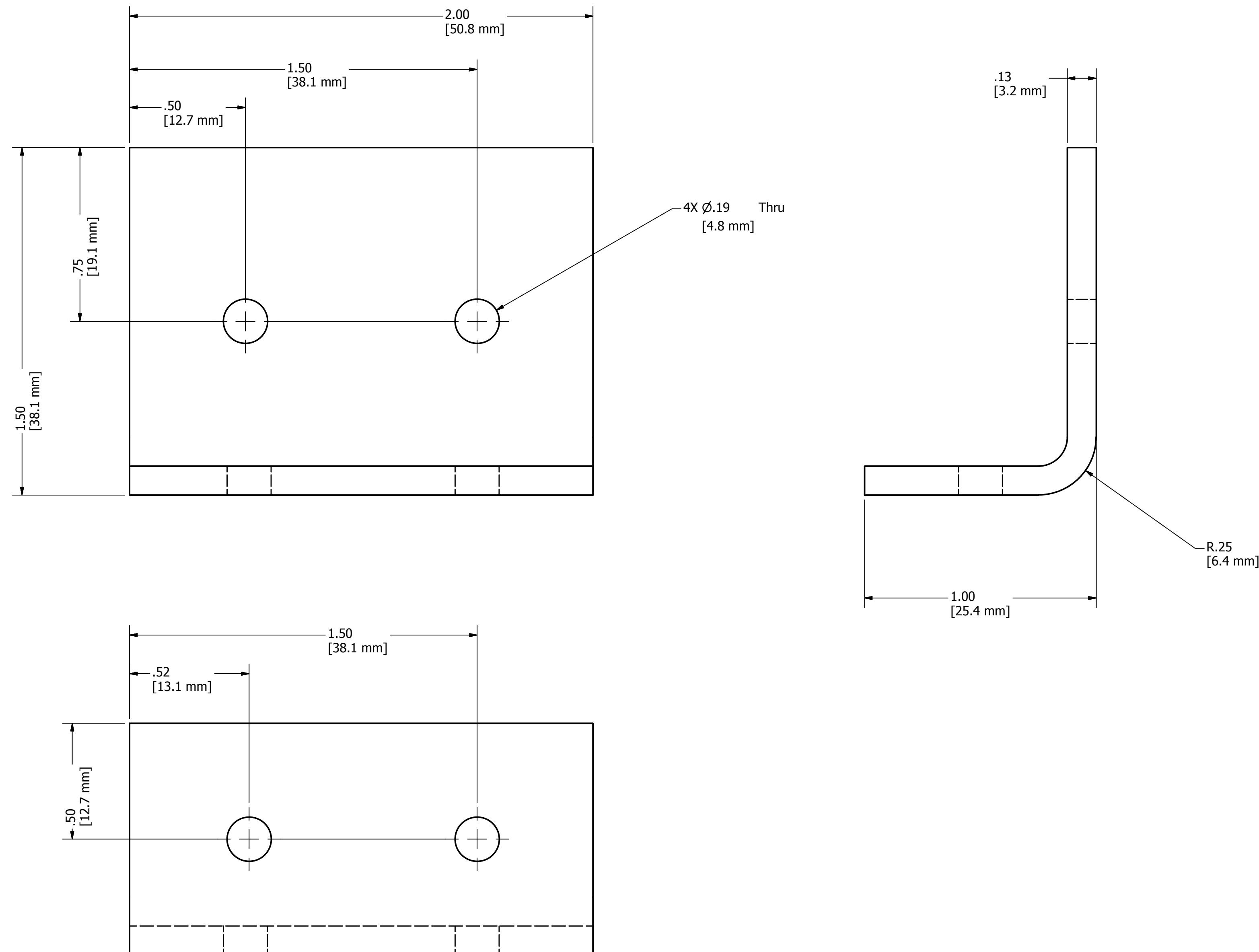


NOTE:

1.) Material 1/4" Clear Polycarbonate

DRAWN mcyr	10/28/2011	FIRST 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907	
CHECKED			
UNLESS OTHERWISE SPECIFIED			
TOLERANCES: (INCHES)			
FRAC.	+/- 1/32		
.00	+/- .01		
.000	+/- .005		
ANGULAR	+/- .25 Deg.	SCALE	DWG NO
			GE-12060
			REV
			SHEET 1 OF 1

4 3 2 1



NOTE:
1.) Material: 1/4", 6061 Aluminum

DRAWN mcyr	11/16/2011	FIRST	
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907	
UNLESS OTHERWISE SPECIFIED			
TOLERANCES: (INCHES)		TITLE	
FRAC.	+/- 1/32	Bridge Sensor Bracket	
.00	+/- .01	SIZE	
.000	+/- .005	DWG NO	
ANGULAR	+/- .25 Deg.	SCALE	REV
		GE-12061	
		SHEET 1 OF 1	

4

3

2

1

REVISION HISTORY

DESCRIPTION

DATE

APPROVED

ZONE D3	REV A	Moved hole position from 1.5" to 3.0", changing the dimensions for all hole position dimensions	DATE 11/22/2011	APPROVED MLC
------------	----------	---	--------------------	-----------------

D

D

C

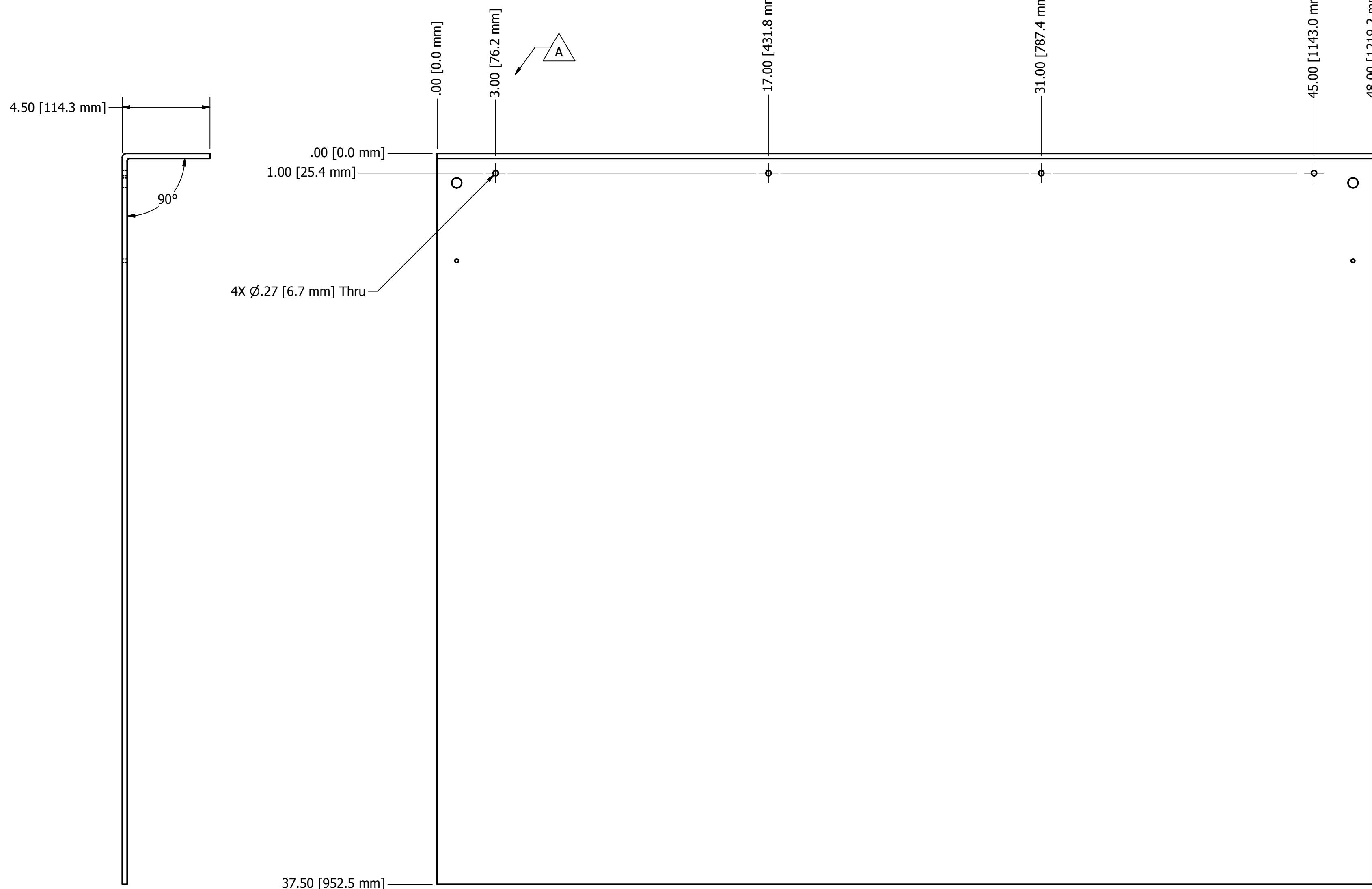
C

B

B

A

A



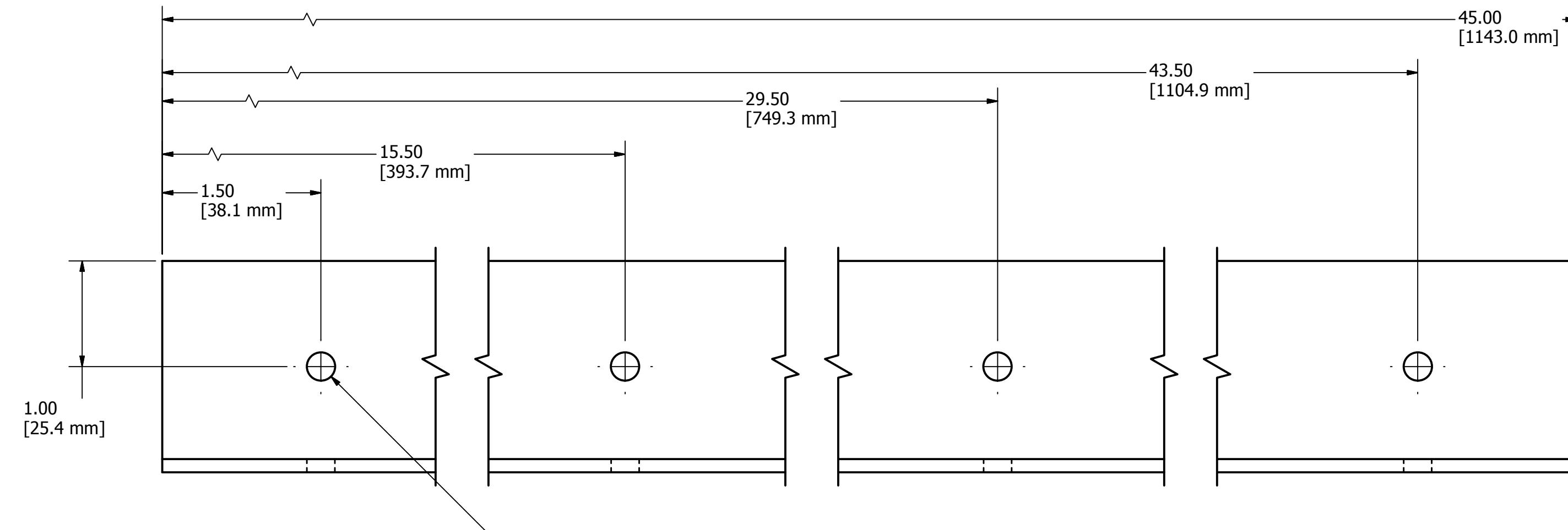
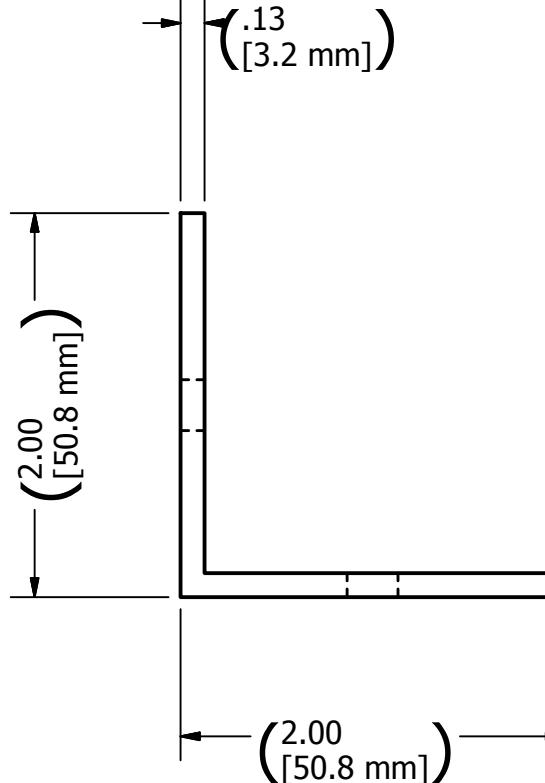
NOTE:
1.) Material: 1/4" Clear Polycarbonate

DRAWN mcyr	11/15/2011	FIRST		
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
UNLESS OTHERWISE SPECIFIED				
TOLERANCES: (INCHES)		TITLE		
FRAC.	+/- 1/32	Ball Ramp		
.00	+/- .01	SIZE		
.000	+/- .005	DWG NO		
ANGULAR	+/- .25 Deg.	SCALE		REV
			GE-12062	
			SHEET 1 OF 1	

4 3 2 1

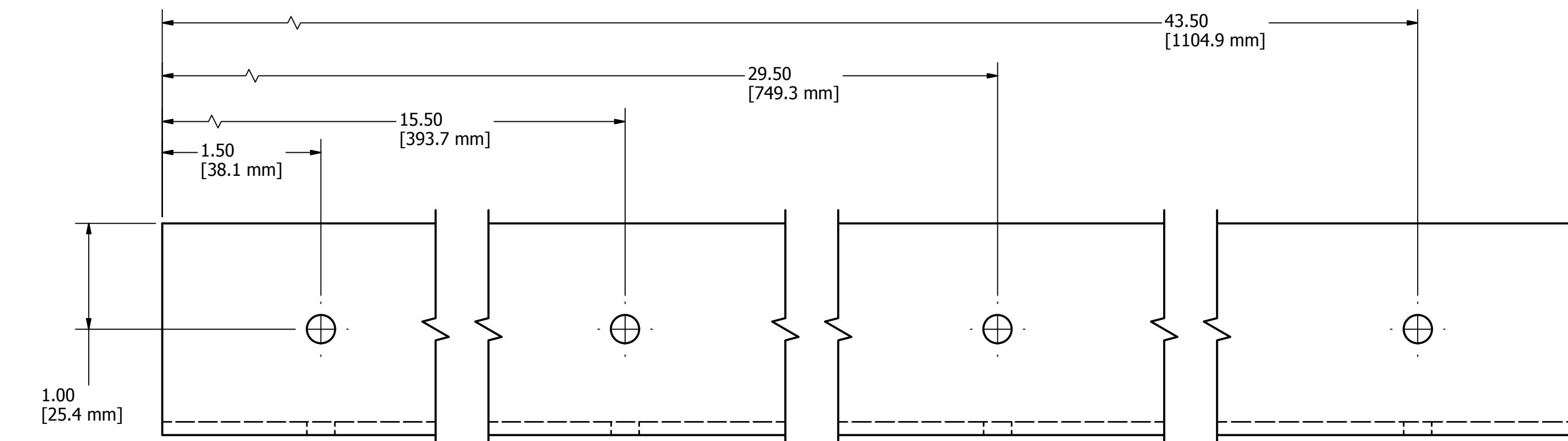
D

D



A

A



NOTE:
 1.) Material: 6061 Aluminum 1/8" Thick
 2.) Remove all burrs and sharp edges

DRAWN mcyr	11/17/2011	FIRST	
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907	
UNLESS OTHERWISE SPECIFIED			
TOLERANCES: (INCHES)		TITLE	
FRAC.	+/- 1/32	Angle, Ball Ramp	
.00	+/- .01	SIZE	DWG NO
.000	+/- .005	C	GE-12063
ANGULAR	+/- .25 Deg.	SCALE	REV
		SHEET 1 OF 1	

4 3 2 1

4 3 2 1

D

D

C

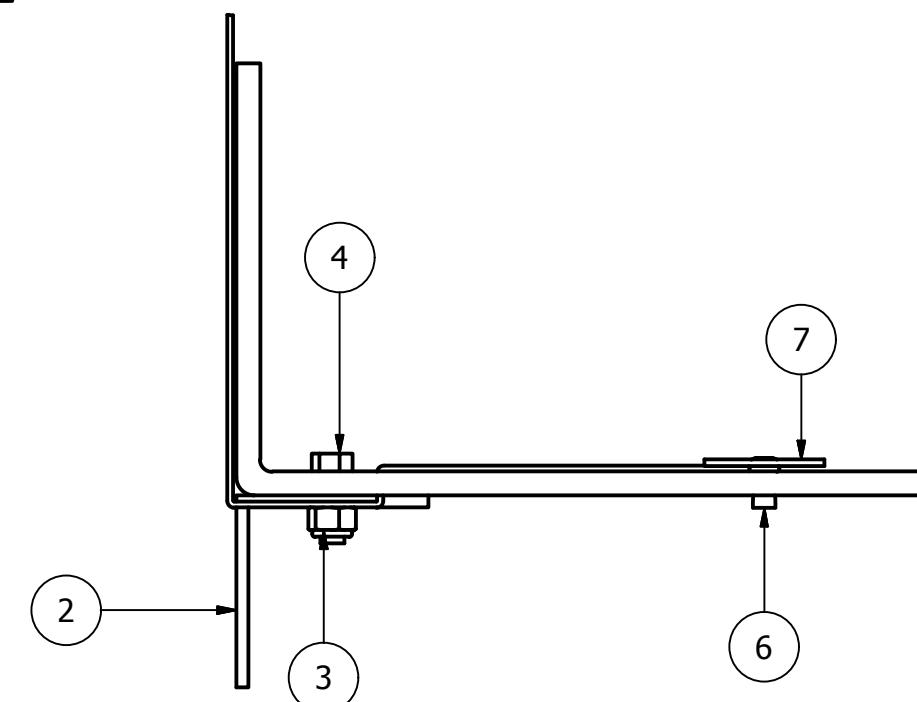
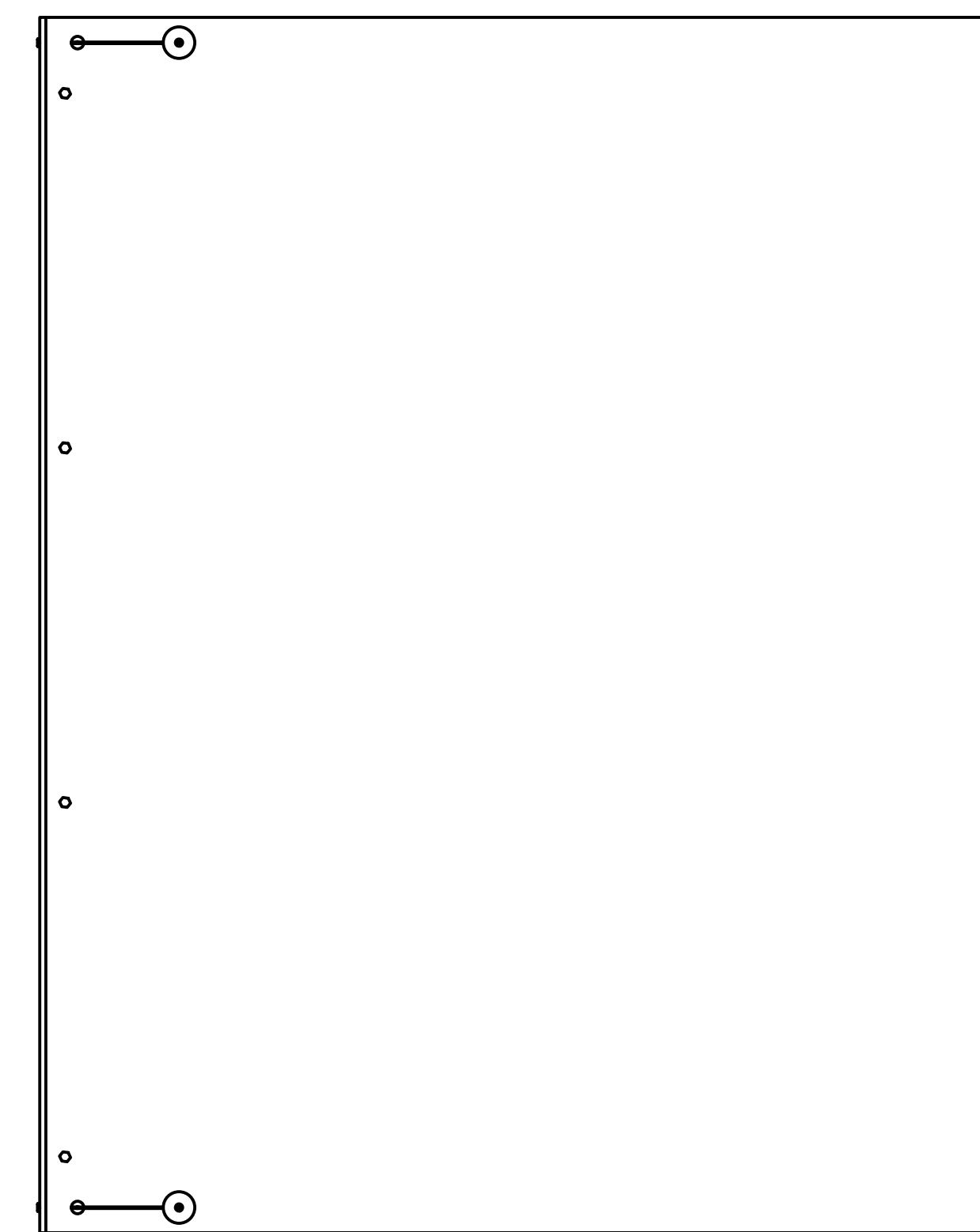
C

B

B

A

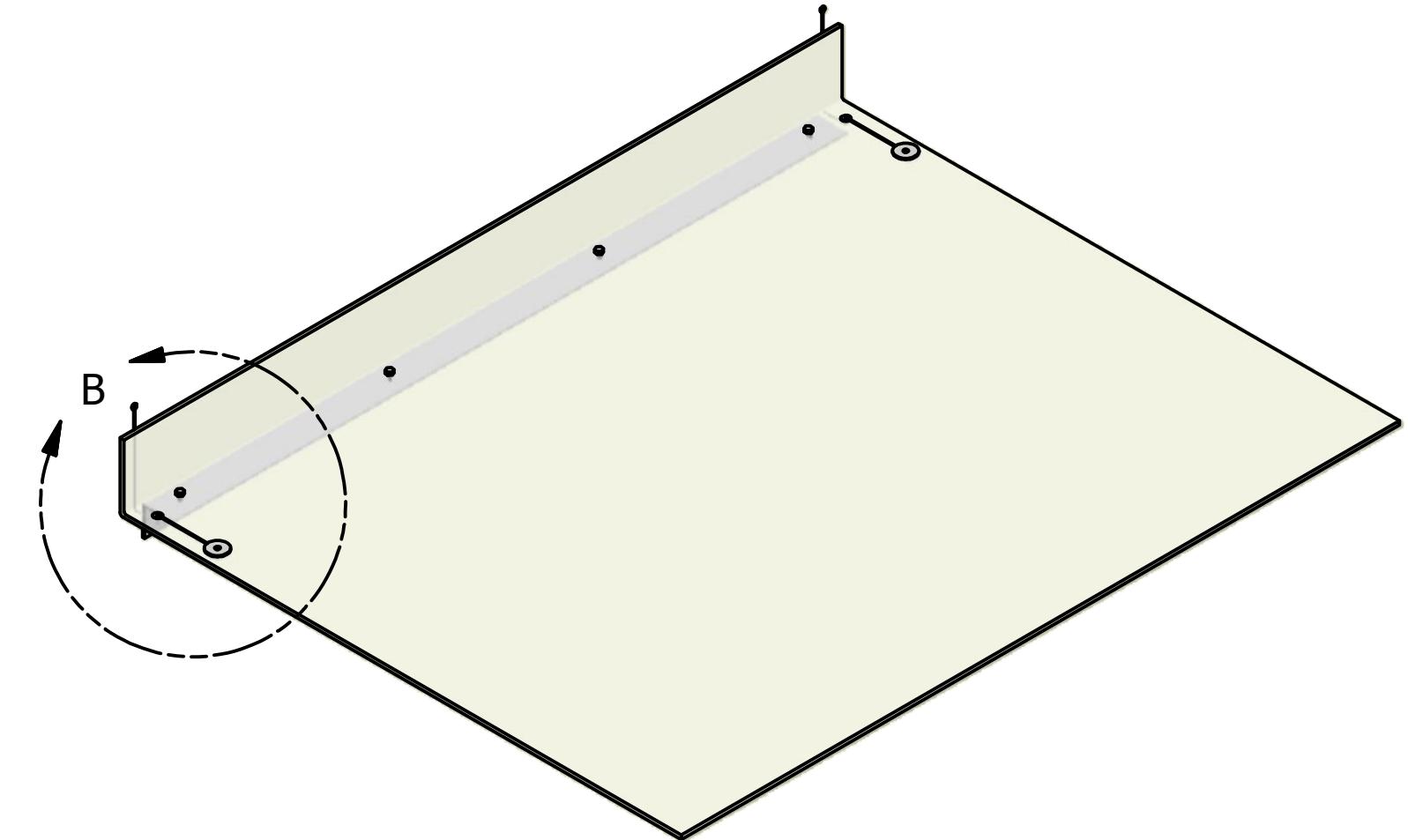
A



DETAIL A
SCALE 1/2

Notes:

1. Steel Leader Cable can be purchased at www.TCHWEB.com. Part Number: #514-2124852. Other flexible cable, rope, or twine can be used if available.

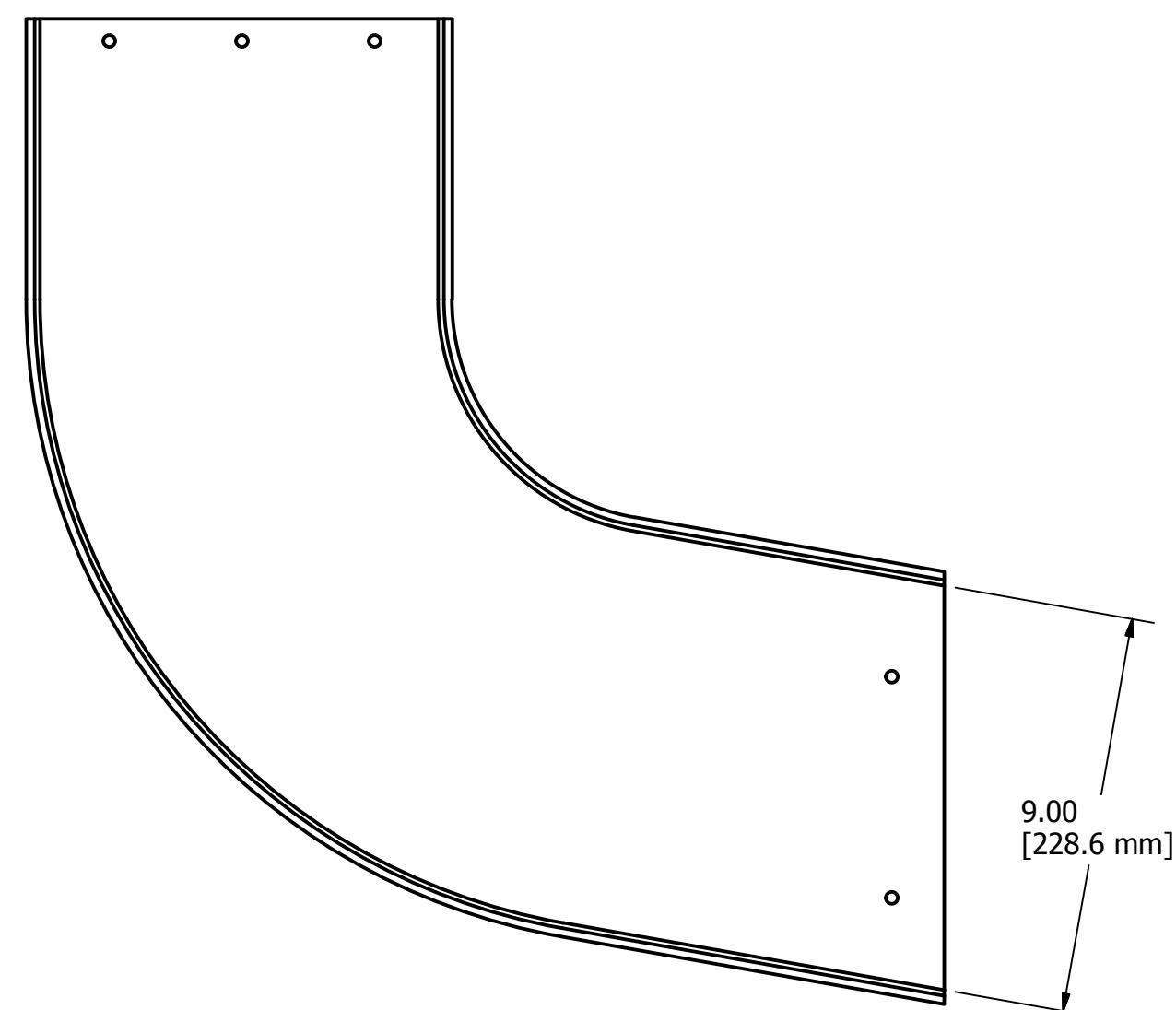
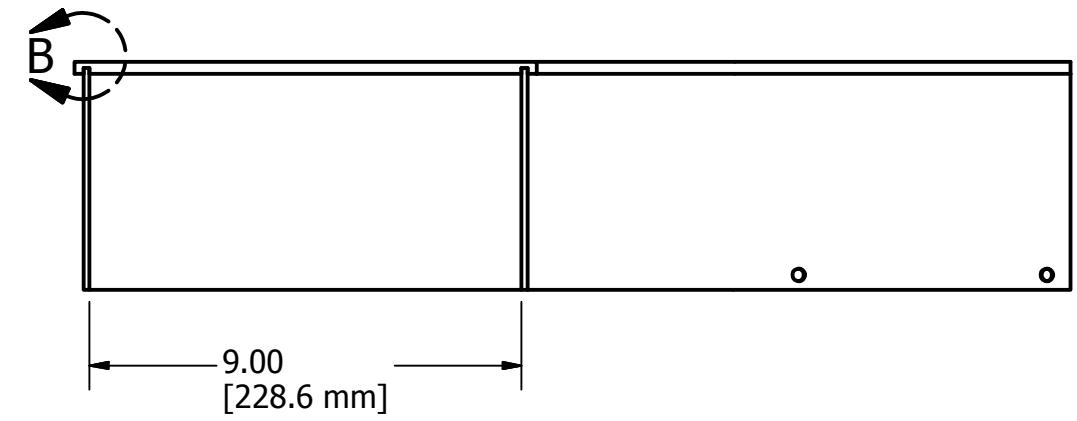


Route Cable as shown

DETAIL B
SCALE 1 / 4

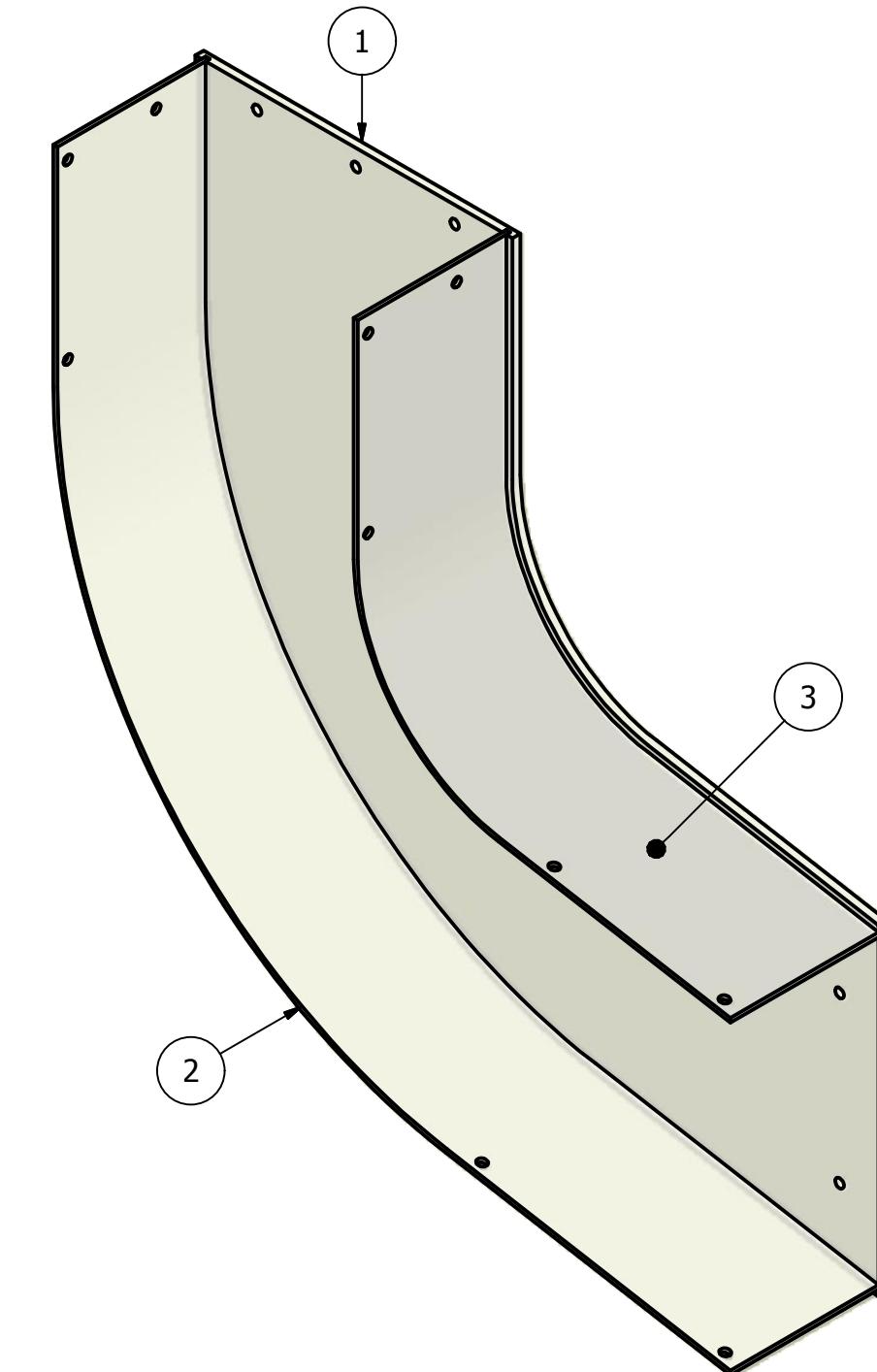
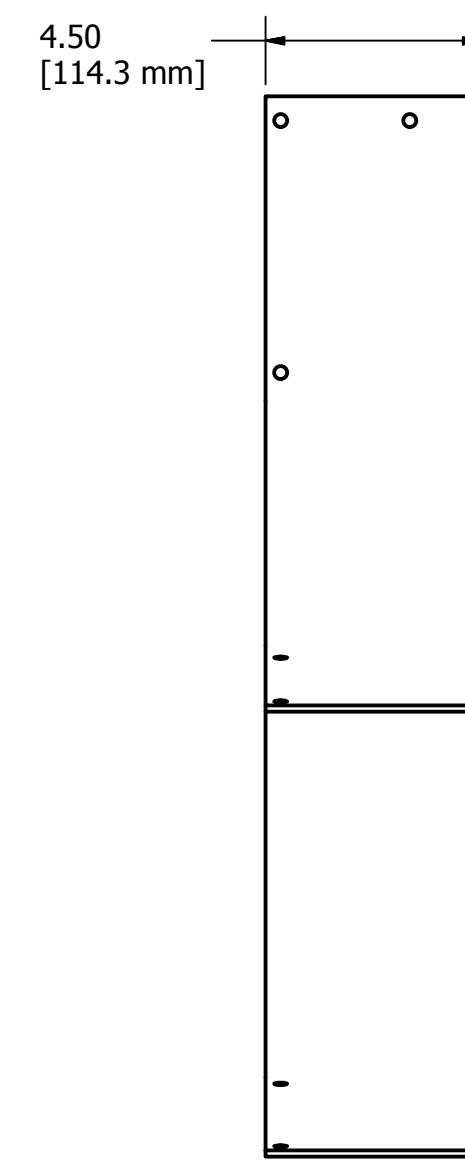
PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	GE-12062	Ball Ramp
2	1	GE-12063	Angle, Ball Ramp
3	4	HW-00002	Nut, Lock 1/4-20
4	4	HW-00012	Hex head bolt 1/4-20 x .750"
6	2	HW-00010	Pop Rivet 3/16 Dia.
7	2	HW-00050	Fender Washer, 1/4"
8	2	GE-12064-02	Leader Cable

DRAWN mcyr	11/22/2011	FIRST			
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907			
UNLESS OTHERWISE SPECIFIED					
TOLERANCES: (INCHES)					
FRAC.	+/- 1/32	TITLE			
.00	+/- .01	Ball Ramp Assembly			
.000	+/- .005	SIZE	DWG NO		
ANGULAR	+/- .25 Deg.	C	GE-12064		
		REV			
		SCALE			
			SHEET 1 OF 1		



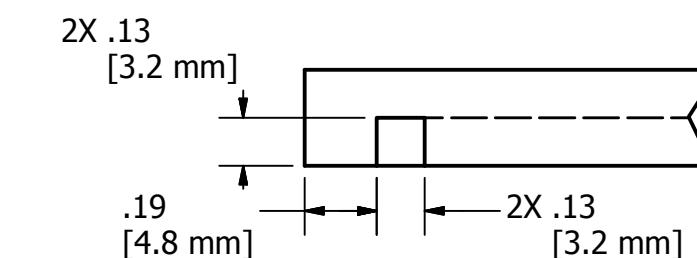
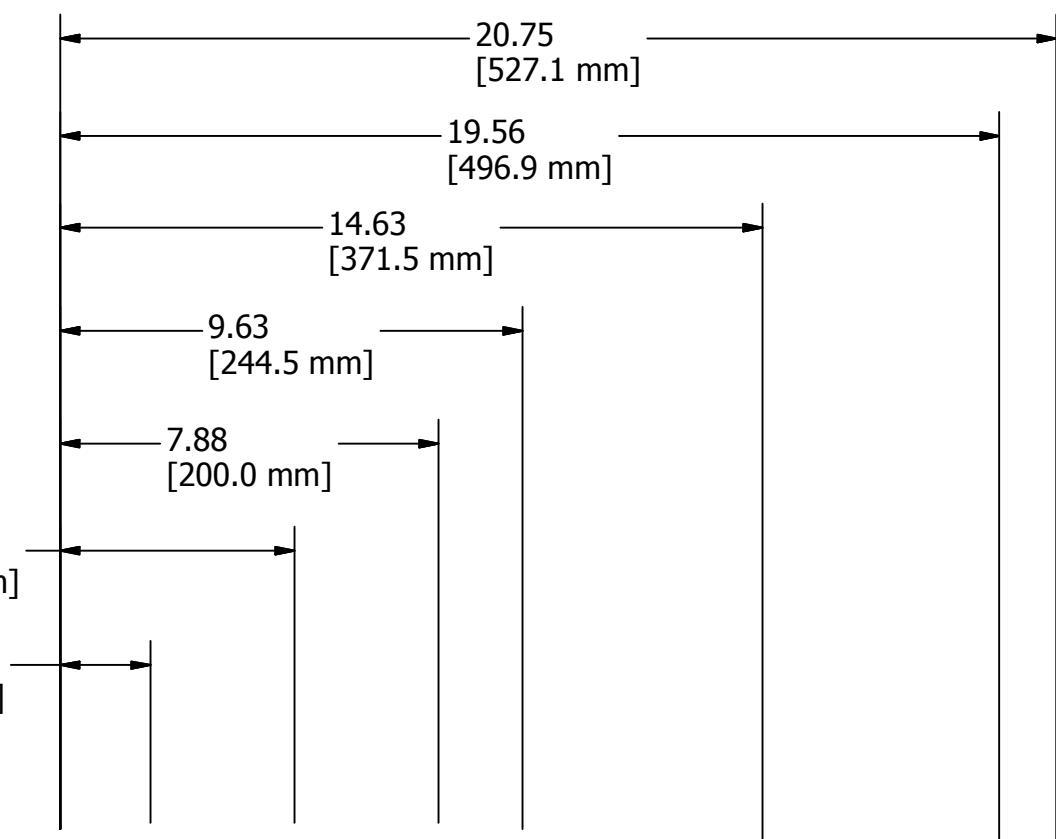
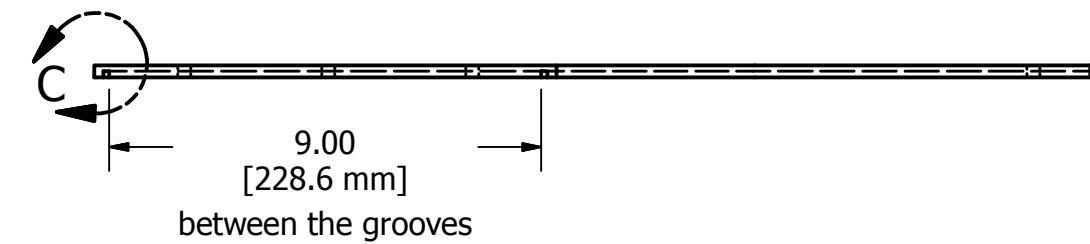
Items 2 and 3 to be glued to Item 1.
DETAIL B
SCALE 1 : 1

Resources		
Number	Description	QTY.
1	1/4" Clear Polycarbonate	1/4 sheet
2	1/8" Clear Polycarbonate	1/8 sheet

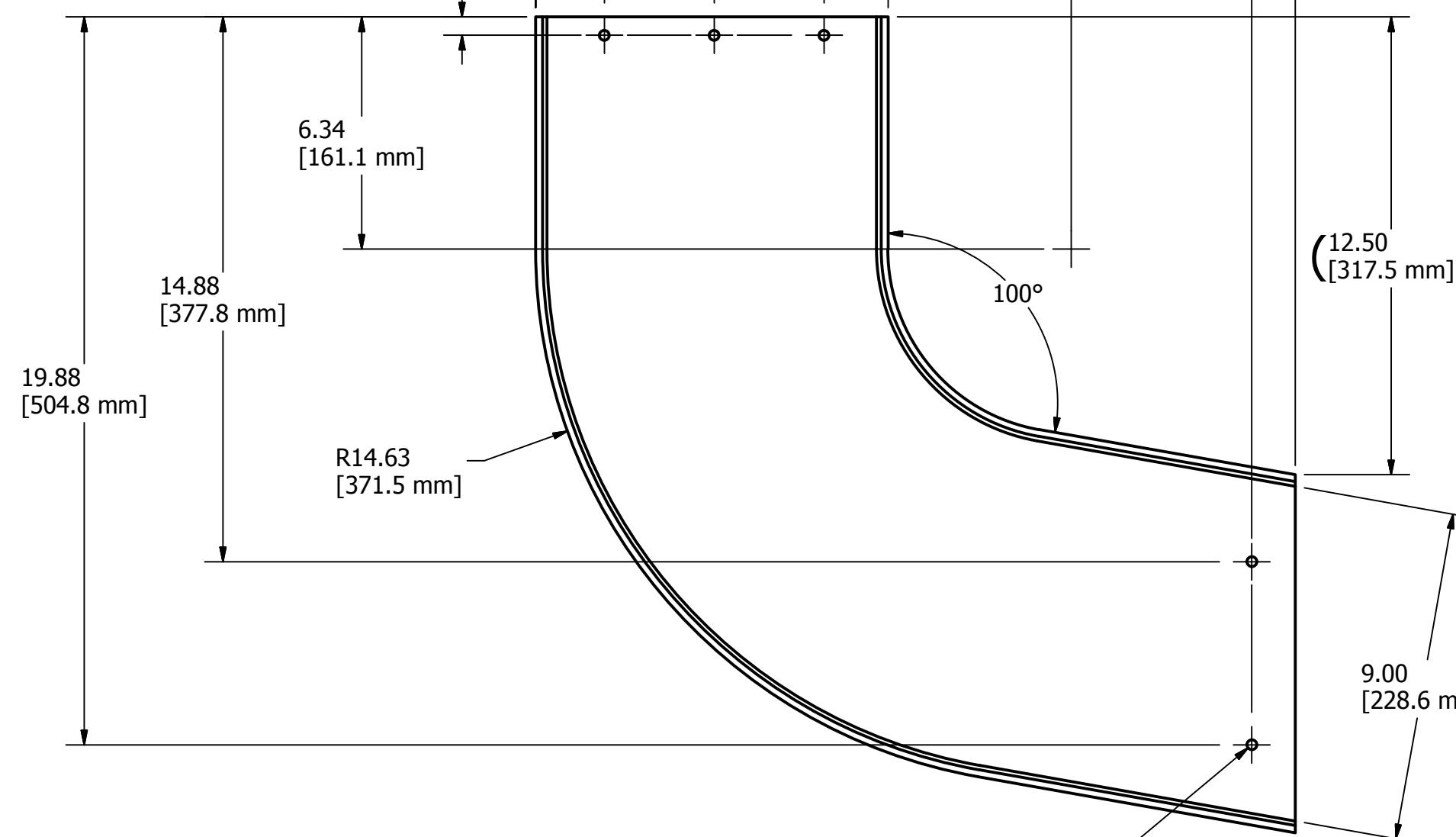


PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	GE-12070-01	Side
2	1	GE-12070-02	Front
3	1	GE-12070-03	Back

DRAWN mcyr	10/25/2011	FIRST 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907	
CHECKED			
UNLESS OTHERWISE SPECIFIED			
TOLERANCES: (INCHES)			
FRAC.	+/- 1/32		
.00	+/- .01		
.000	+/- .005		
ANGULAR	+/- .25 Deg.		
SIZE C	DWG NO GE-12070	REV	
SCALE		SHEET 1 OF 3	

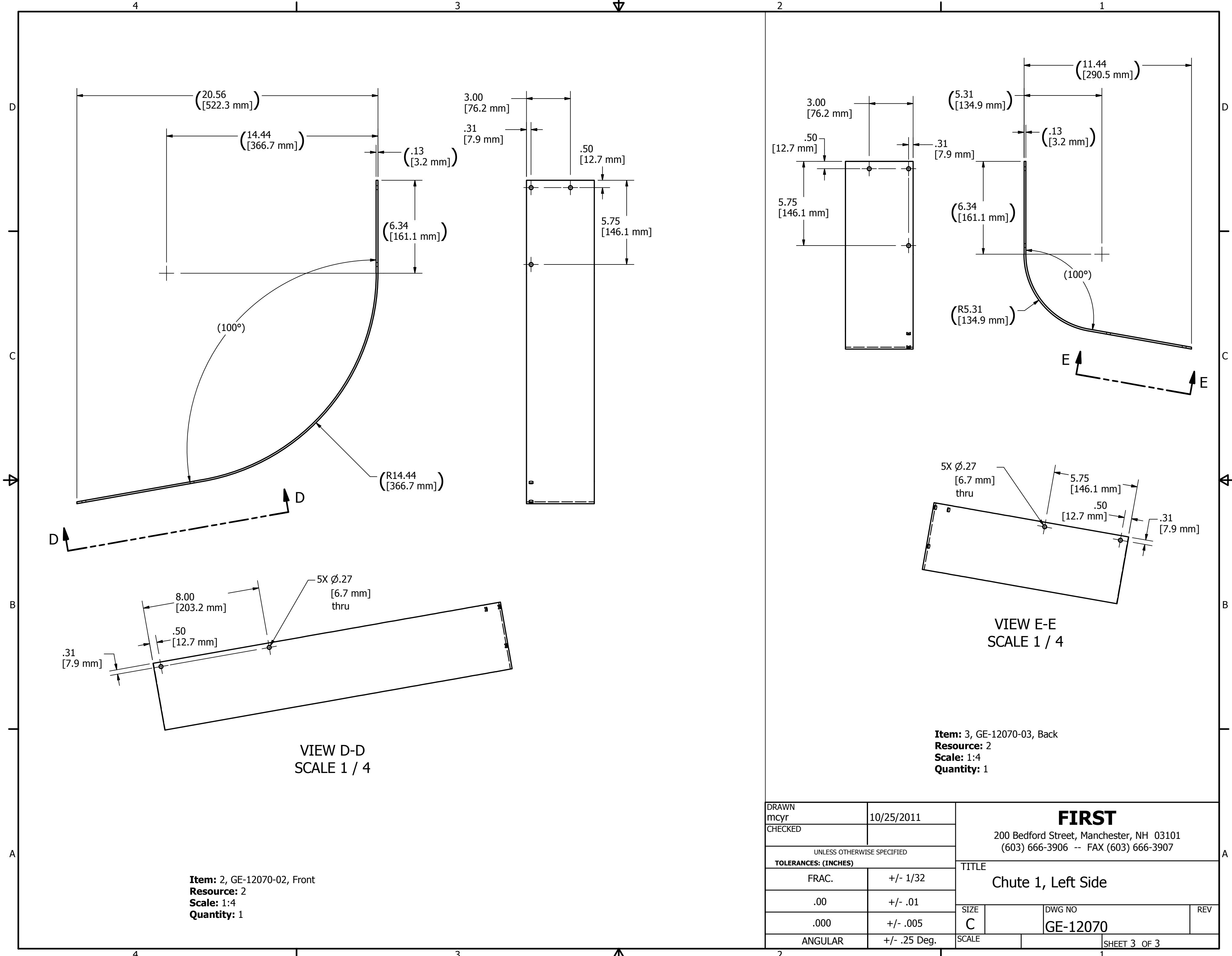


DETAIL C
SCALE 2 : 1

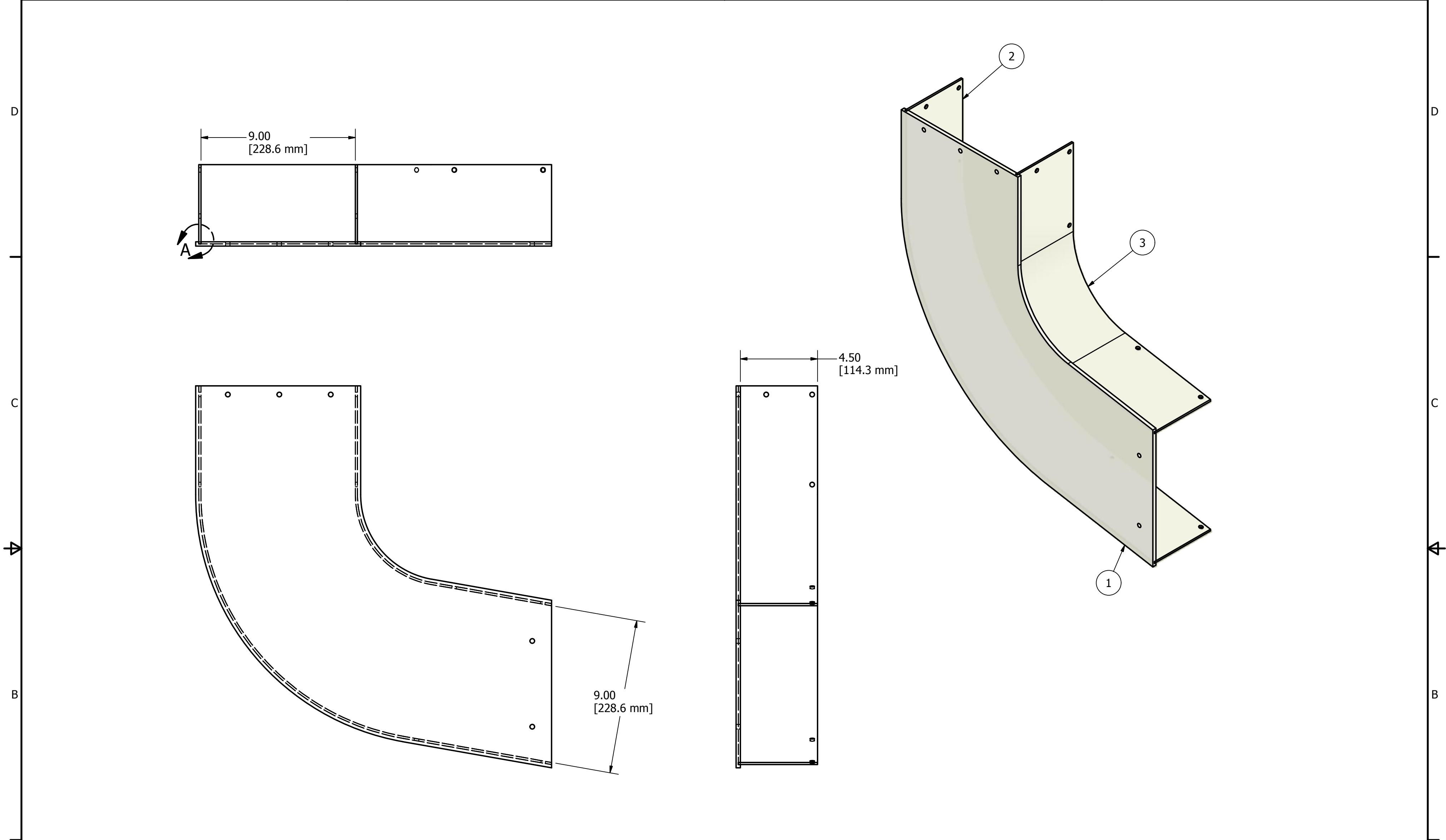


Item: 1, GE-12070-01, Side
Resource: 1
Scale: 1:4
Quantity: 1

DRAWN mcyr	10/25/2011	FIRST	
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907	
UNLESS OTHERWISE SPECIFIED			
TOLERANCES: (INCHES)		TITLE	
FRAC.	+/- 1/32	Chute 1, Left Side	
.00	+/- .01	SIZE	DWG NO
.000	+/- .005	C	GE-12070
ANGULAR	+/- .25 Deg.	SCALE	REV
			SHEET 2 OF 3

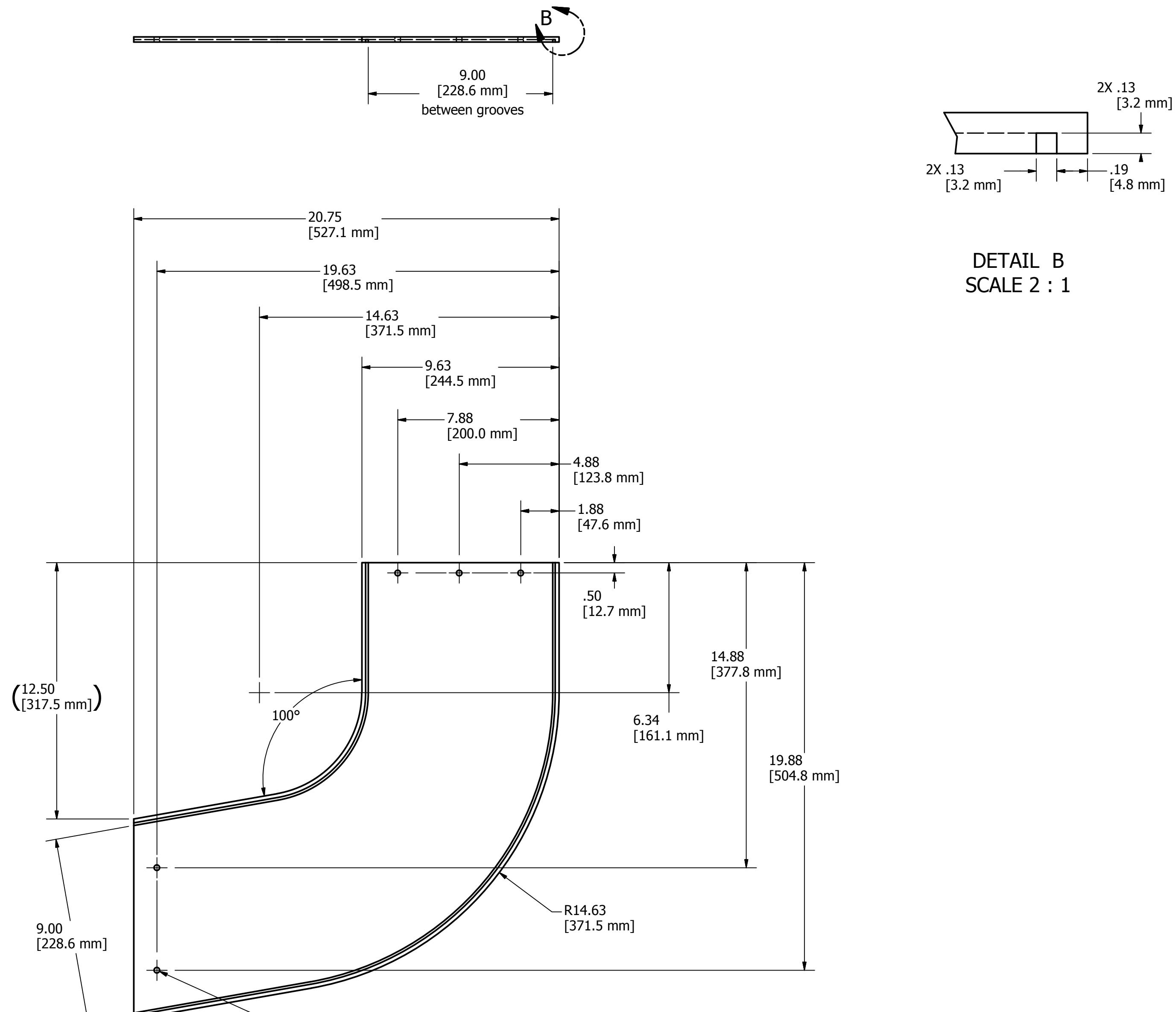


4 3 2 1



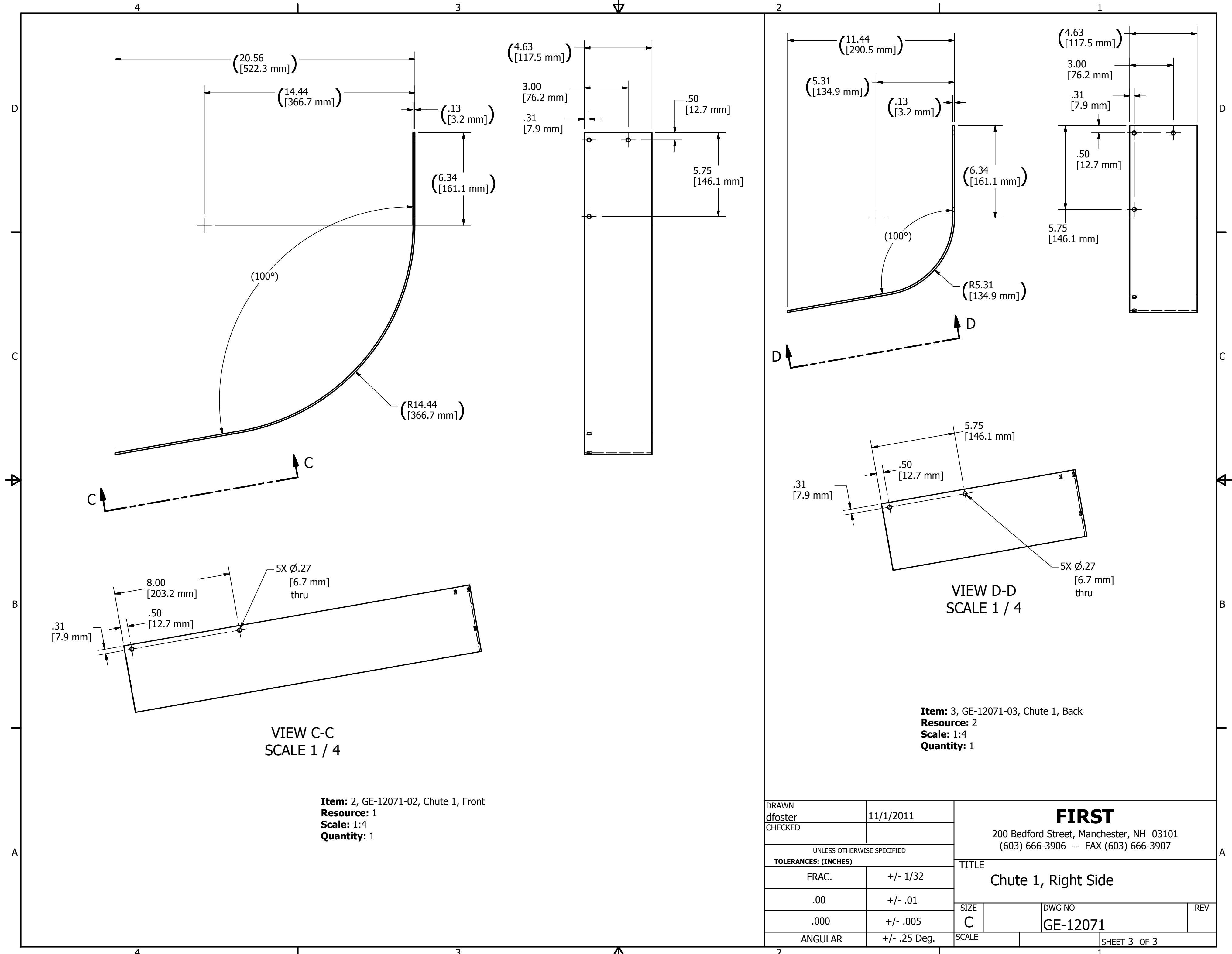
PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	GE-12071-01	Chute 1, Side
2	1	GE-12071-02	Chute 1, Front
3	1	GE-12071-03	Chute 1, Back

DRAWN dfoster	11/1/2011	FIRST 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907	
CHECKED			
UNLESS OTHERWISE SPECIFIED			
TOLERANCES: (INCHES)			
FRAC.	+/- 1/32		
.00	+/- .01		
.000	+/- .005		
ANGULAR	+/- .25 Deg.		
SIZE C	DWG NO GE-12071	REV	
SCALE		SHEET 1 OF 3	



Item: 1, GE-12071-01, Chute 1, Side
Resource: 1
Scale: 1:4
Quantity: 1

DRAWN dfoster	11/1/2011	FIRST	
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907	
UNLESS OTHERWISE SPECIFIED			
TOLERANCES: (INCHES)		TITLE	
FRAC.	+/- 1/32	Chute 1, Right Side	
.00	+/- .01	SIZE	
.000	+/- .005	DWG NO	
ANGULAR	+/- .25 Deg.	SCALE	REV
		GE-12071	
		SHEET 2 OF 3	



4

3

2

1

D

D

C

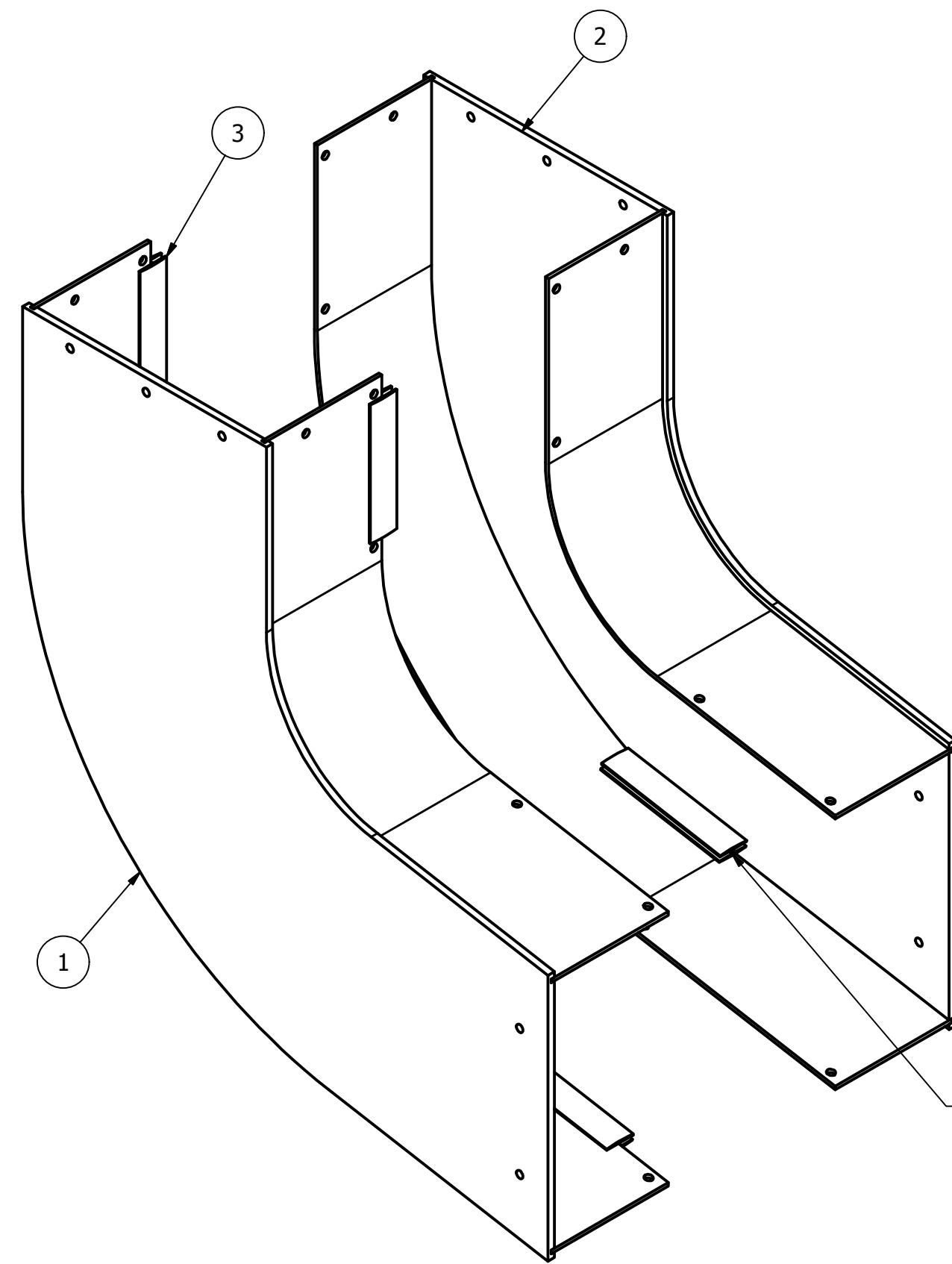
C

B

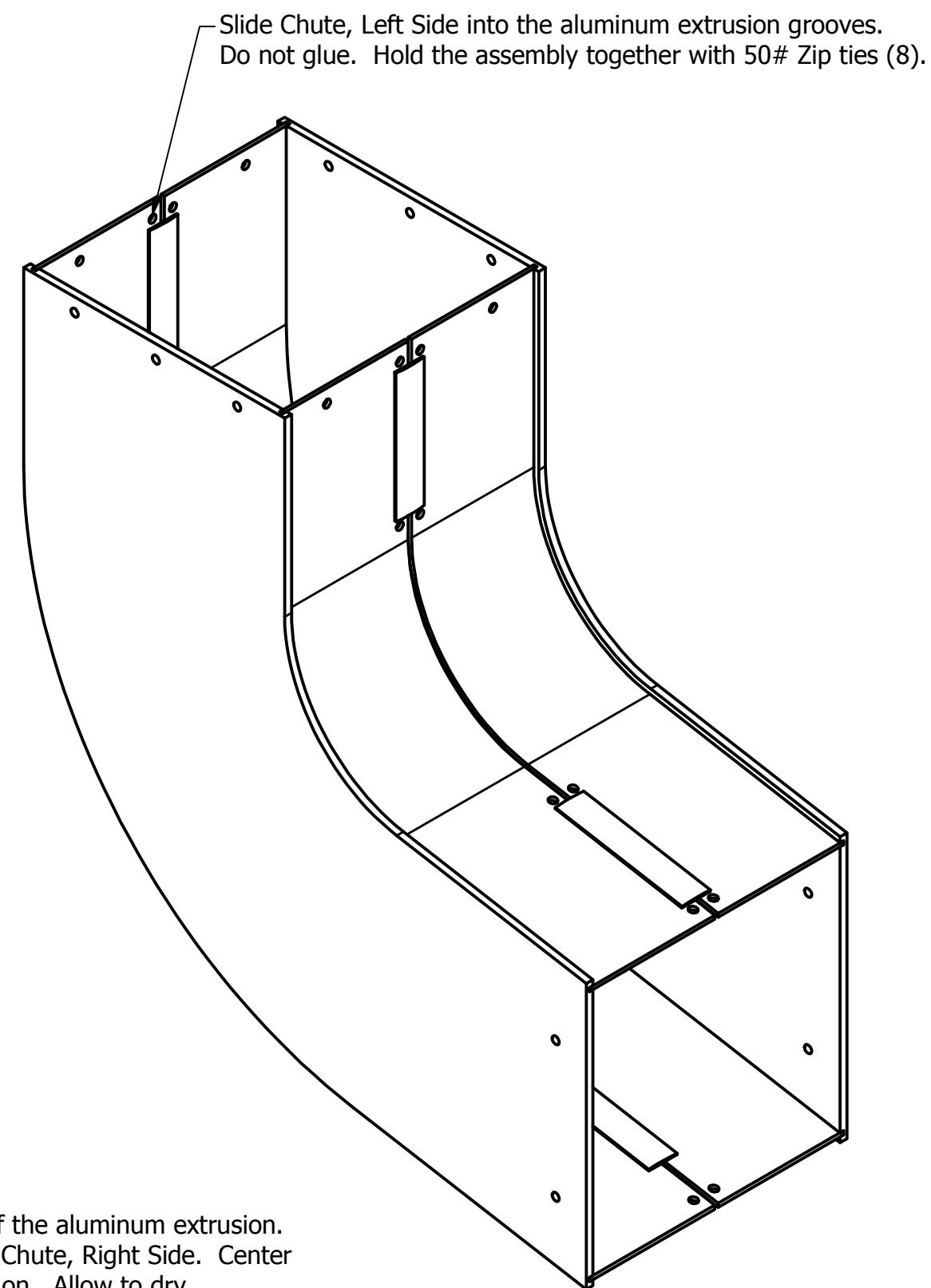
B

A

A



Apply contact cement to one side of the aluminum extrusion.
Push aluminum extrusion on to the Chute, Right Side. Center it between the holes as you push it on. Allow to dry.



Notes:

1. Aluminum Extrusion can be purchased at www.mcmaster.com
Part number: 8429A4 Aluminum H-Channel Edge Trim 6'L,
5/32" Channel (A), 1-3/64" Leg H (B)
2. Cut extrusion into 4.5" lengths, qty 4.

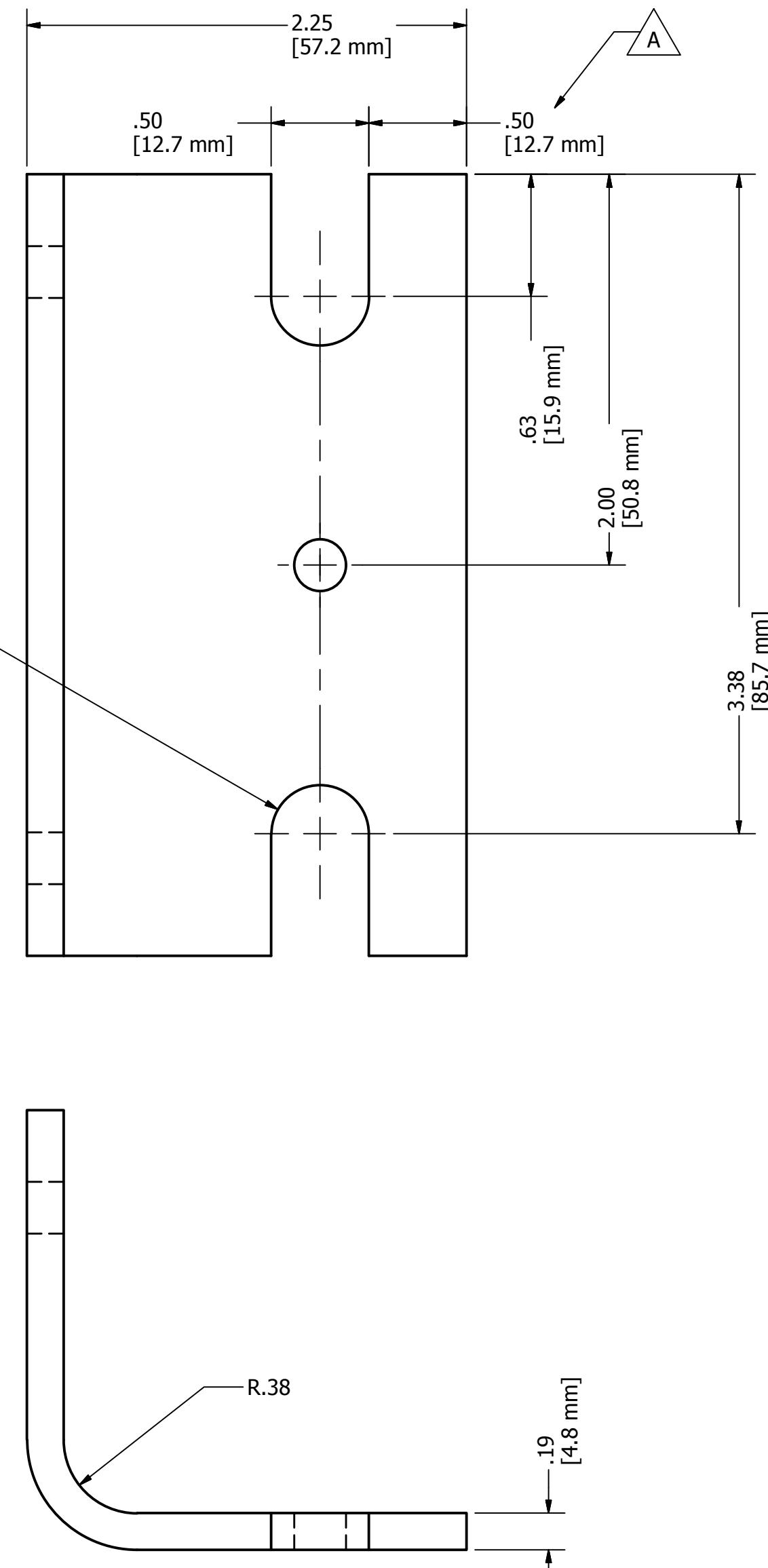
PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	GE-12071	Chute 1, Right Side
2	1	GE-12070	Chute 1, Left Side
3	20"	GE-12072-01	Aluminum Extrusion, see note

DRAWN dfoster	11/20/2011	FIRST 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907
CHECKED		
UNLESS OTHERWISE SPECIFIED		
TOLERANCES: (INCHES)		
FRAC.	+/- 1/32	
.00	+/- .01	
.000	+/- .005	
ANGULAR	+/- .25 Deg.	SCALE
		DWG NO
		GE-12072
		REV

SHEET 1 OF 1

4 3 2 1

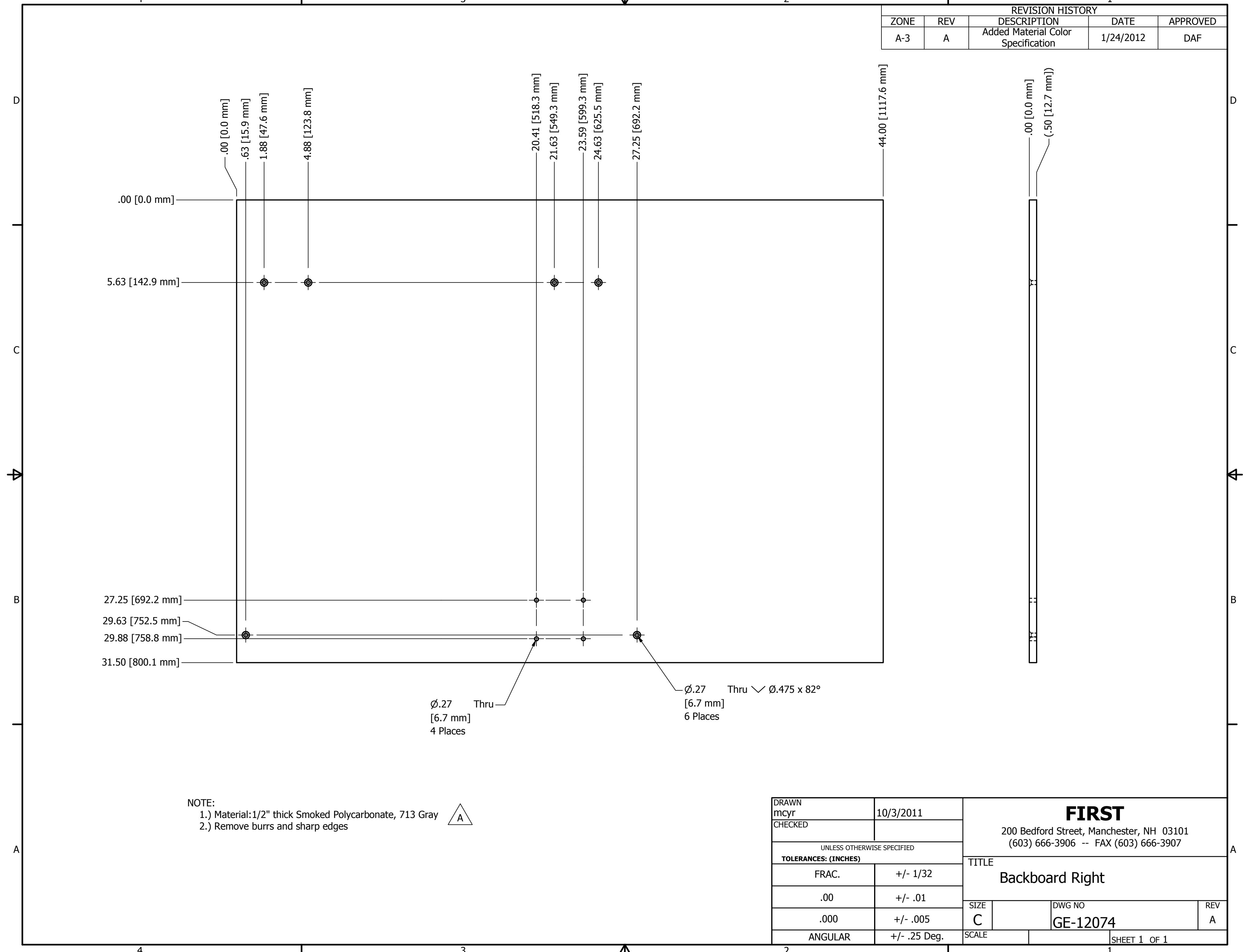
REVISION HISTORY		DATE	APPROVED
ZONE	REV	DESCRIPTION	
D-3	A	Added Dimension to slot edge from edge of part	11/9/2011 MLC

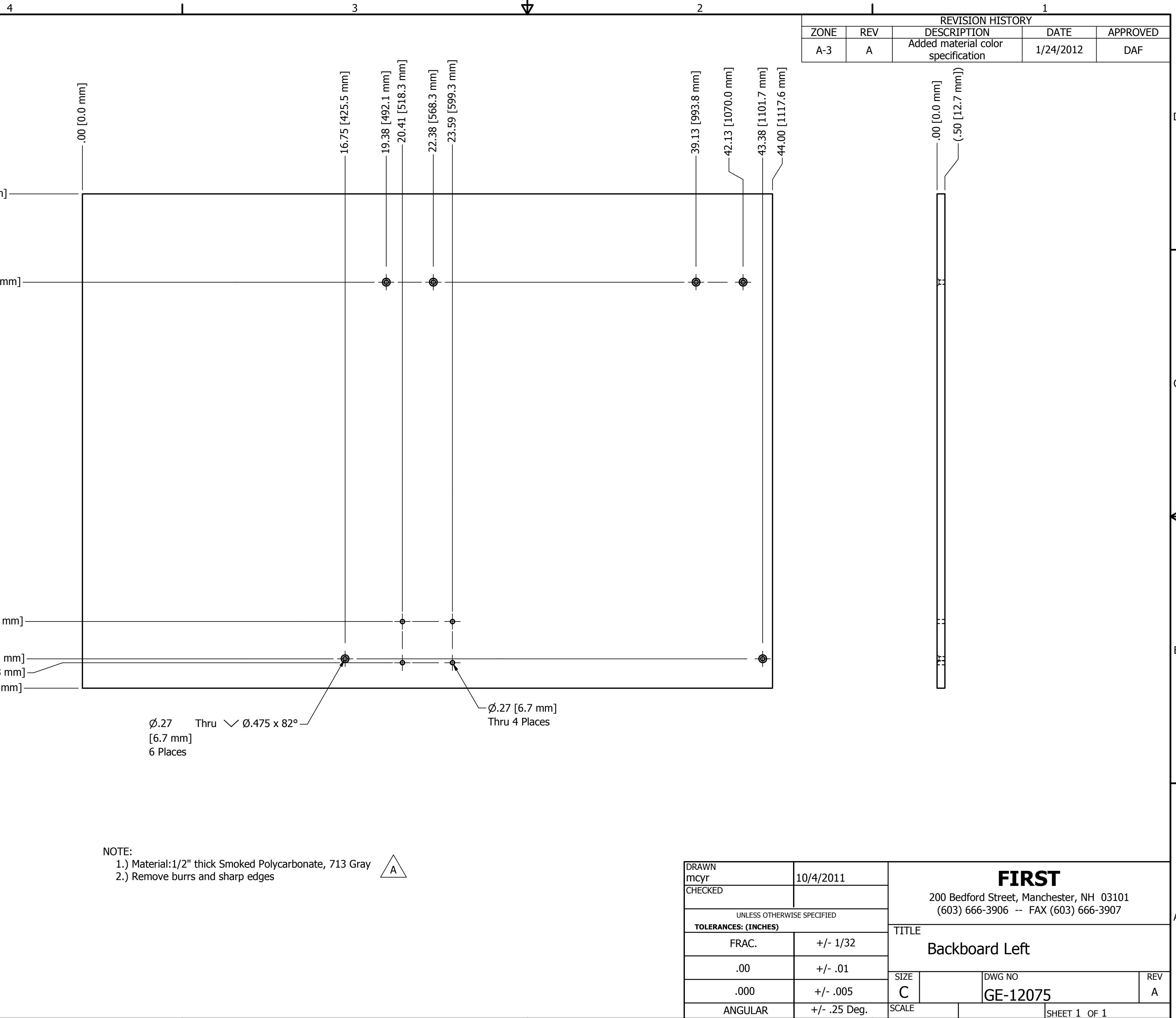


NOTE:
 1.) Material 5052 Aluminum
 2.) Remove burrs and sharp edges

DRAWN mcyr	10/3/2011	FIRST	
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907	
UNLESS OTHERWISE SPECIFIED			
TOLERANCES: (INCHES)		TITLE	
FRAC.	+/- 1/32	Bracket, Backboard	
.00	+/- .01	SIZE	
.000	+/- .005	DWG NO	
ANGULAR	+/- .25 Deg.	SCALE	REV A
GE-12073			SHEET 1 OF 1

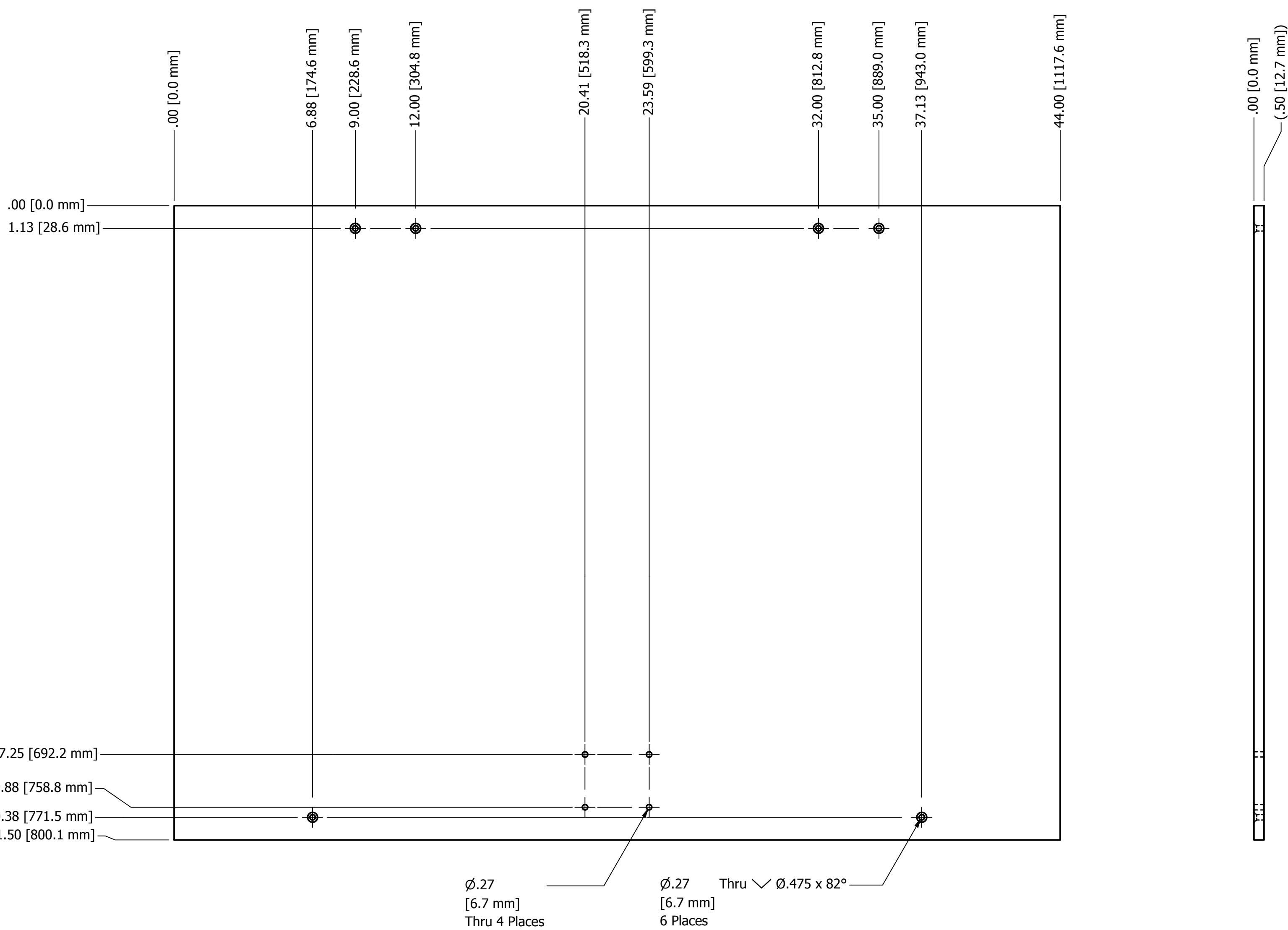
REVISION HISTORY				
ZONE	REV	DESCRIPTION	DATE	APPROVED
A-3	A	Added Material Color Specification	1/24/2012	DAF



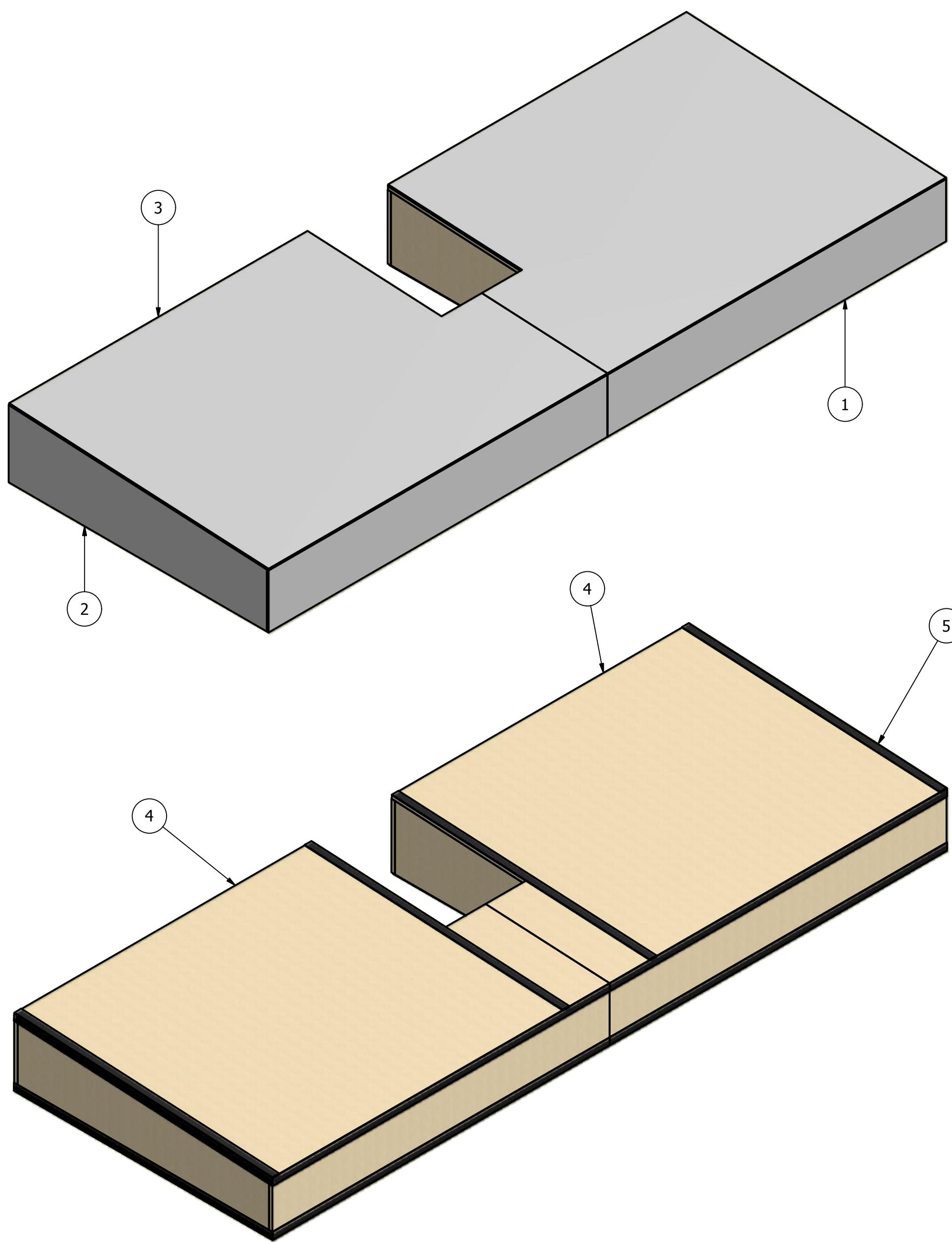


4 3 2 1

REVISION HISTORY				
ZONE	REV	DESCRIPTION	DATE	APPROVED
A-3	A	Added material color specification	1/24/2012	DAF



DRAWN mcyr	10/4/2011	FIRST					
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907					
UNLESS OTHERWISE SPECIFIED							
TOLERANCES: (INCHES)							
FRAC.	$+\/- 1/32$	TITLE					
.00	$+\/- .01$	Backboard Bottom					
.000	$+\/- .005$	SIZE	DWG NO	REV			
ANGULAR	$+\/- .25$ Deg.	C	GE-12076	A			
SCALE							
SHEET 1 OF 1							



Notes:

1. Items 1, 2, and 3 should be colored red or blue depending on field end.
2. When Applying velcro follow these steps:
 - a. Apply hook velcro to the wooden bases roughly as shown. Use staples to hold the velcro to the plywood more securely.
 - b. Attach the loop velcro to the hook velcro applied in the last step. Adhesive surface should be facing out. Remove protective wrapping from the loop velcro.
 - c. Place Items 1, 2 and 3 as shown. Press firmly so the velcro adheres securely to the plastic.

RESOURCES		
Resource	Material	Quantity
1	1" Velcro Hook, Adhesive Backed	43 feet
2	1" Velcro Loop, Adhesive Backed	43 feet

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	GE-12083	Front
2	2	GE-12084	Sides
3	2	GE-12085	Top
4	2	GE-12103	Fender, Assembly (1 Right, 1 Left)
5	AR	GE-12078-01	1" Velcro Hook, Adhesive Backed
6	AR	GE-12078-02	1" Velcro Loop, Adhesive Backed

DRAWN dfoster	10/11/2011	FIRST 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907	
CHECKED			
UNLESS OTHERWISE SPECIFIED			
TOLERANCES: (INCHES)		FRAC.	+/- .1/32
.00			+/- .01
.000			+/- .005
ANGULAR		+/- .25 Deg.	SCALE
			REV
			SHEET 1 OF 1

4

3

2

1

D

D

C

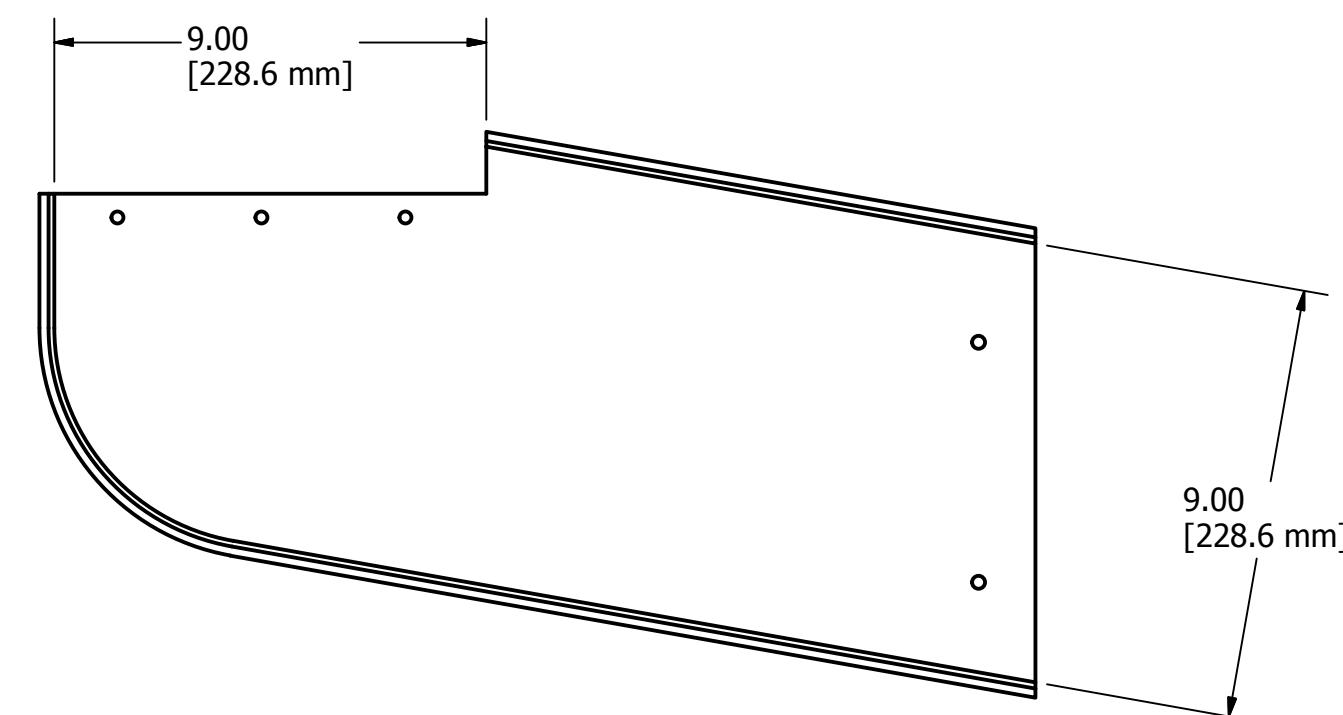
C

B

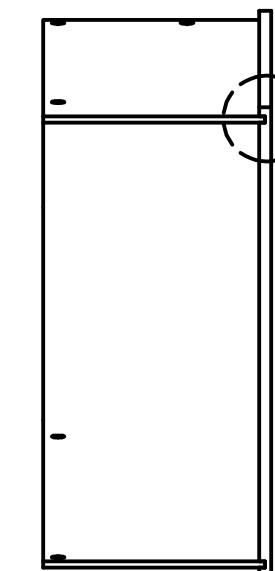
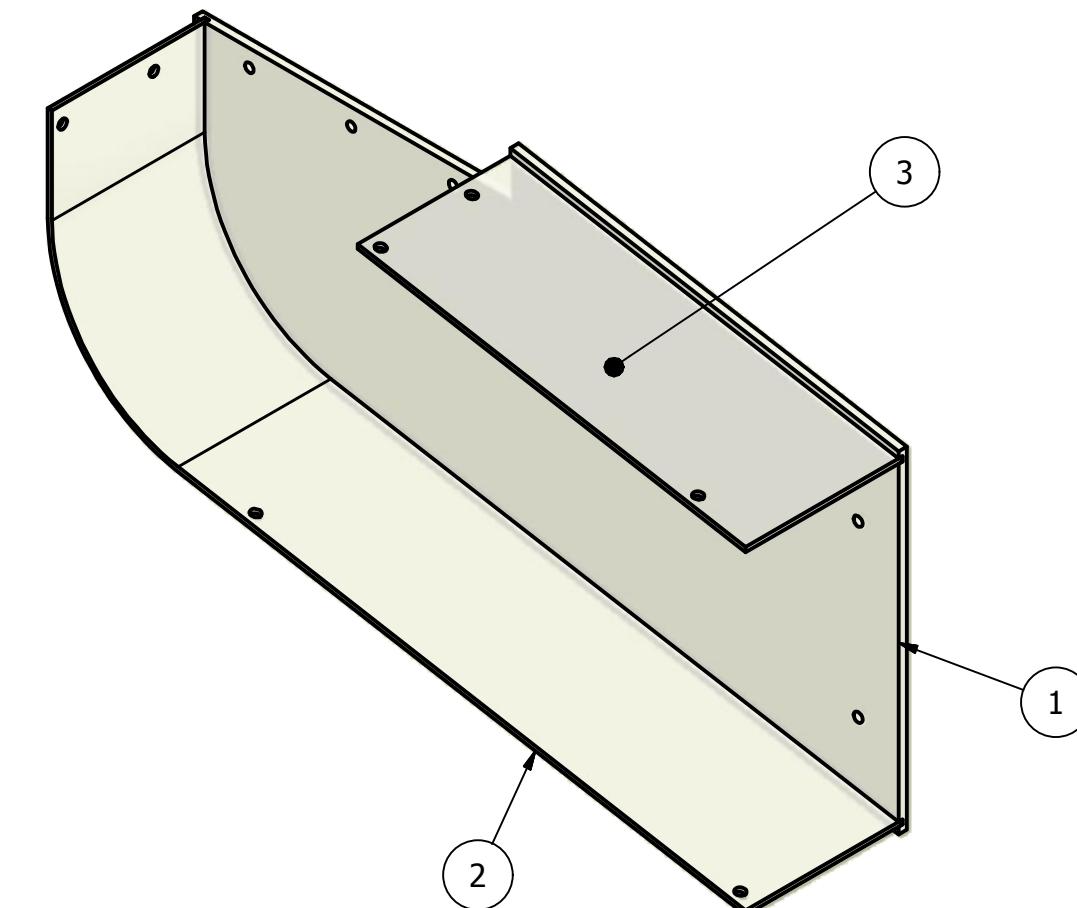
B

A

A

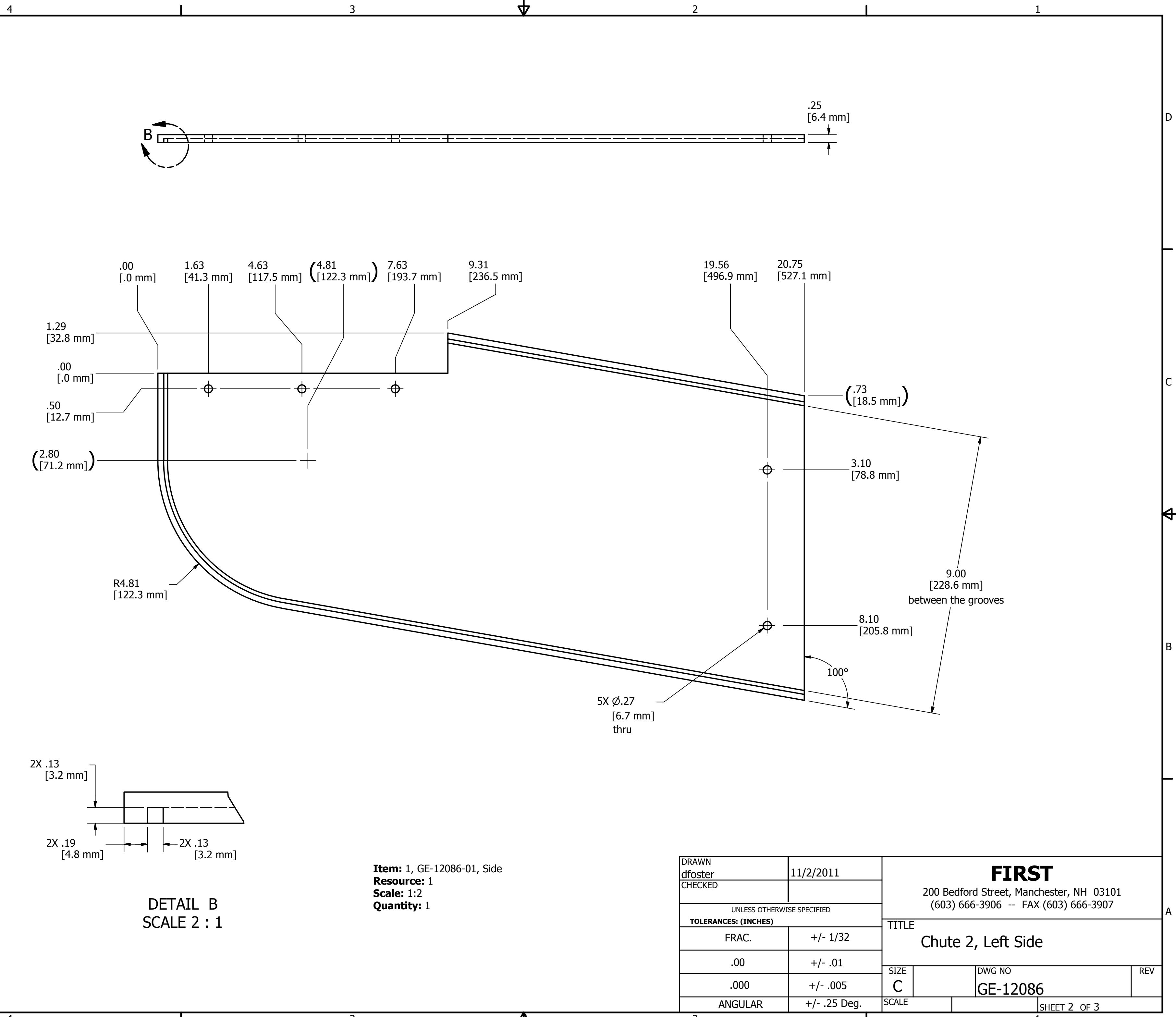


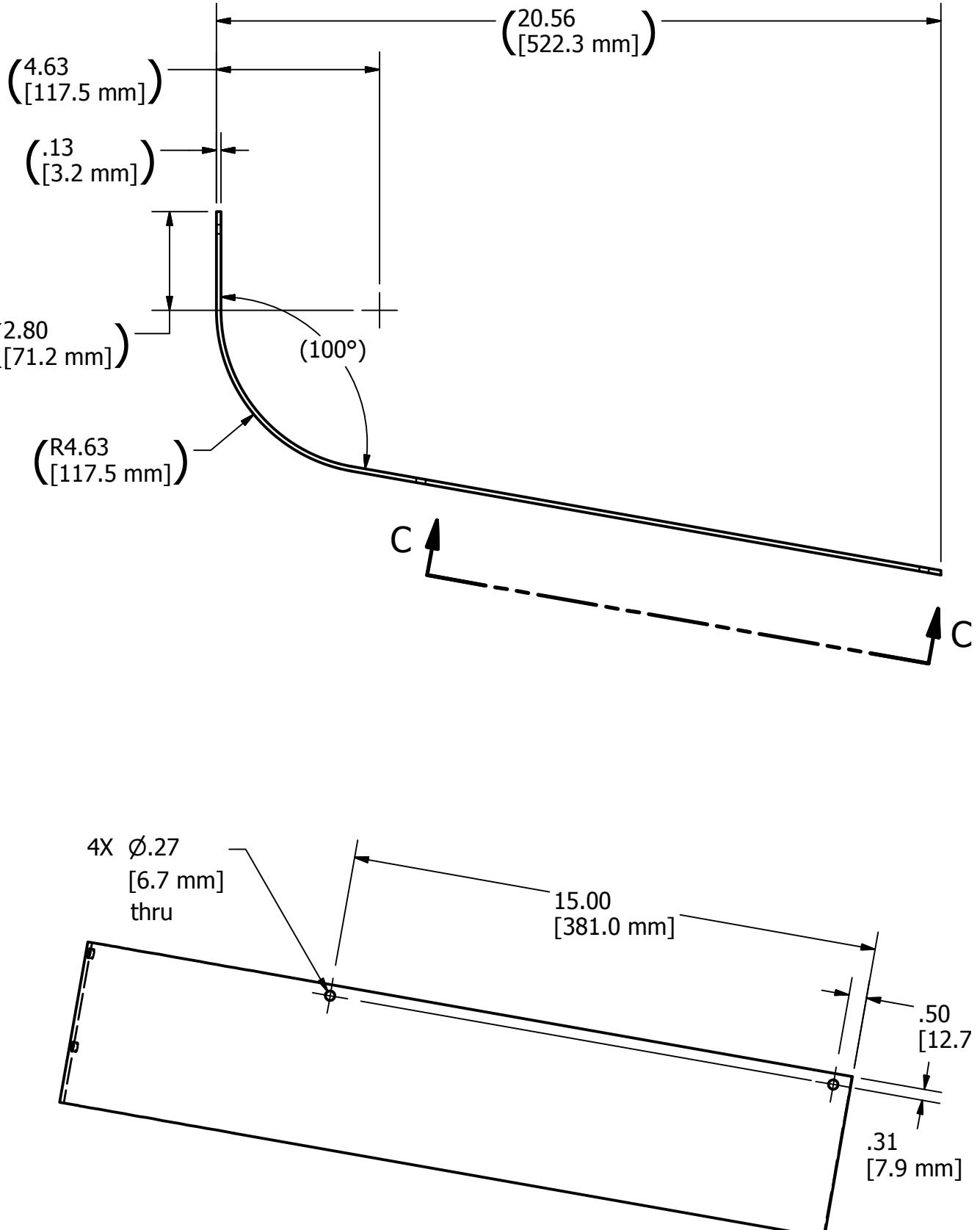
Resources		
Number	Description	QTY.
1	1/4" Clear Polycarbonate	1/8 sheet
2	1/8" Clear Polycarbonate	1/8 sheet



PARTS LIST		DESCRIPTION	
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	GE-12086-01	Side
2	1	GE-12086-02	Bottom
3	1	GE-12086-03	Top

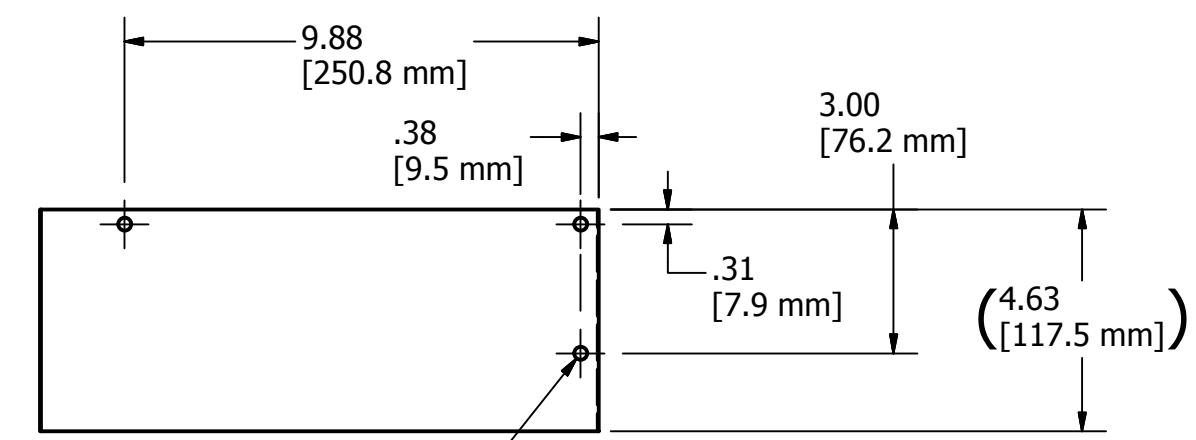
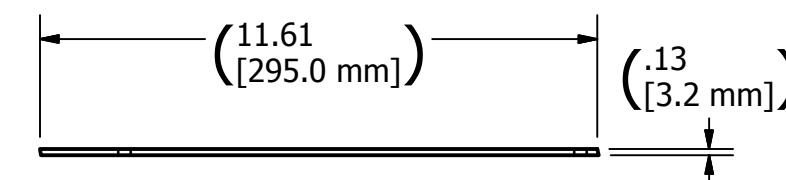
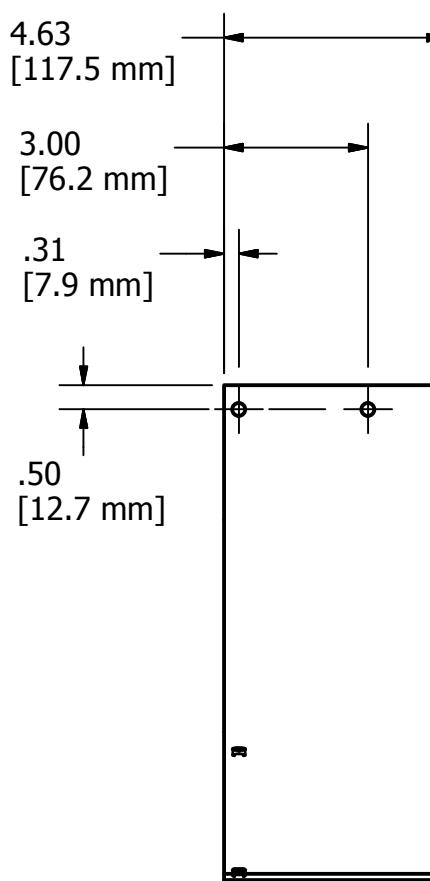
DRAWN dfoster	11/2/2011	FIRST 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907	
CHECKED			
UNLESS OTHERWISE SPECIFIED			
TOLERANCES: (INCHES)			
FRAC.	+/- 1/32		
.00	+/- .01		
.000	+/- .005		
ANGULAR	+/- .25 Deg.		
SIZE C	DWG NO GE-12086	REV	
SCALE			
SHEET 1 OF 3			





VIEW C-C
SCALE 1 / 4

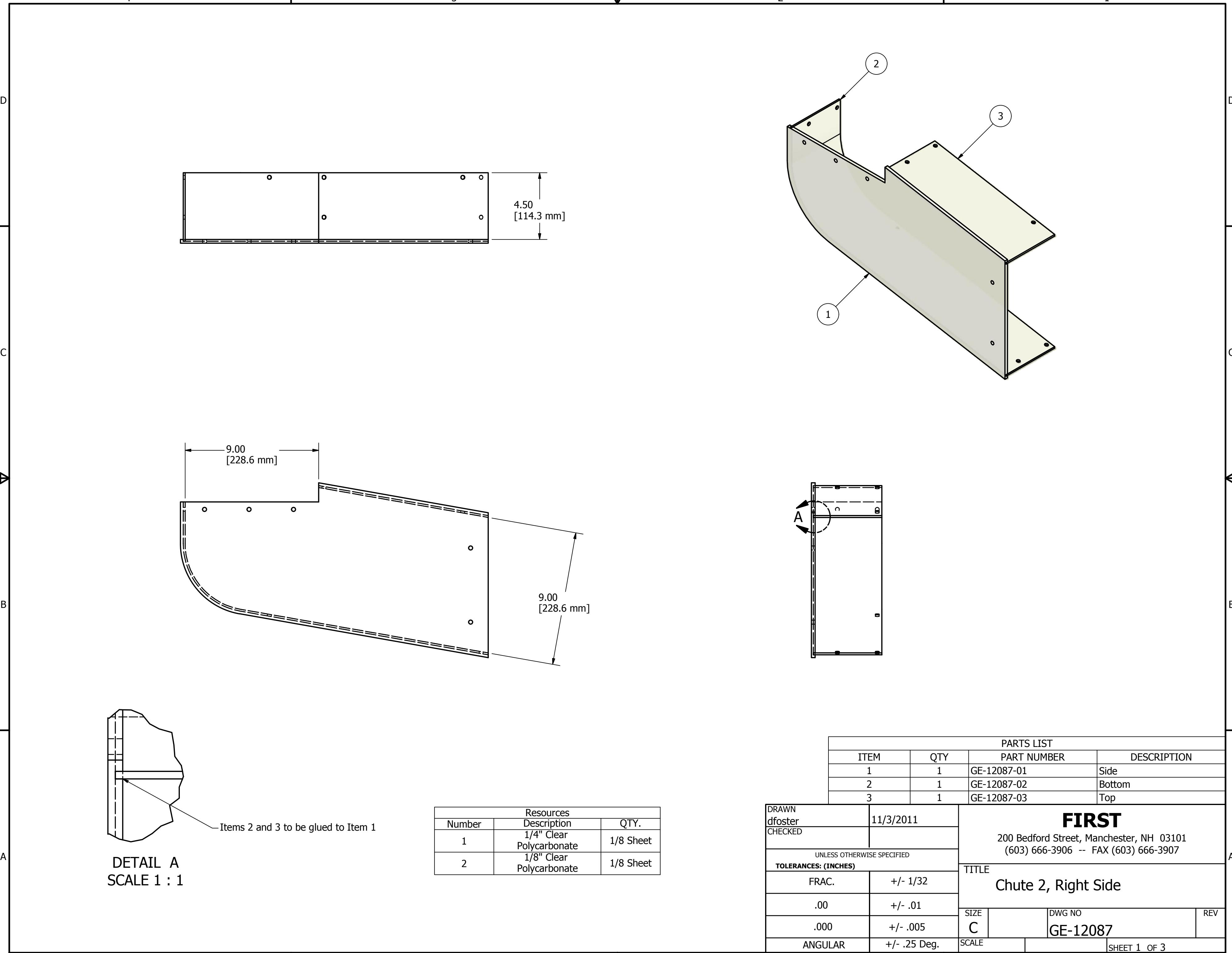
Item: 2, GE-12086-02, Bottom
Resource: 2
Scale: 1:4
Quantity: 1



3X Ø.27
[6.7 mm]
thru

Item: 3, GE-12086-03, Top
Resource: 2
Scale: 1:2
Quantity: 1

DRAWN dfoster	11/2/2011	FIRST					
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907					
UNLESS OTHERWISE SPECIFIED							
TOLERANCES: (INCHES)							
FRAC.	+/- 1/32	TITLE					
.00	+/- .01	Chute 2, Left Side					
.000	+/- .005	SIZE	DWG NO	REV			
ANGULAR	+/- .25 Deg.	C	GE-12086				
		SCALE		SHEET 3 OF 3			



4

(三)

1

1

D

D

DETAIL B

SCALE 2 : 1

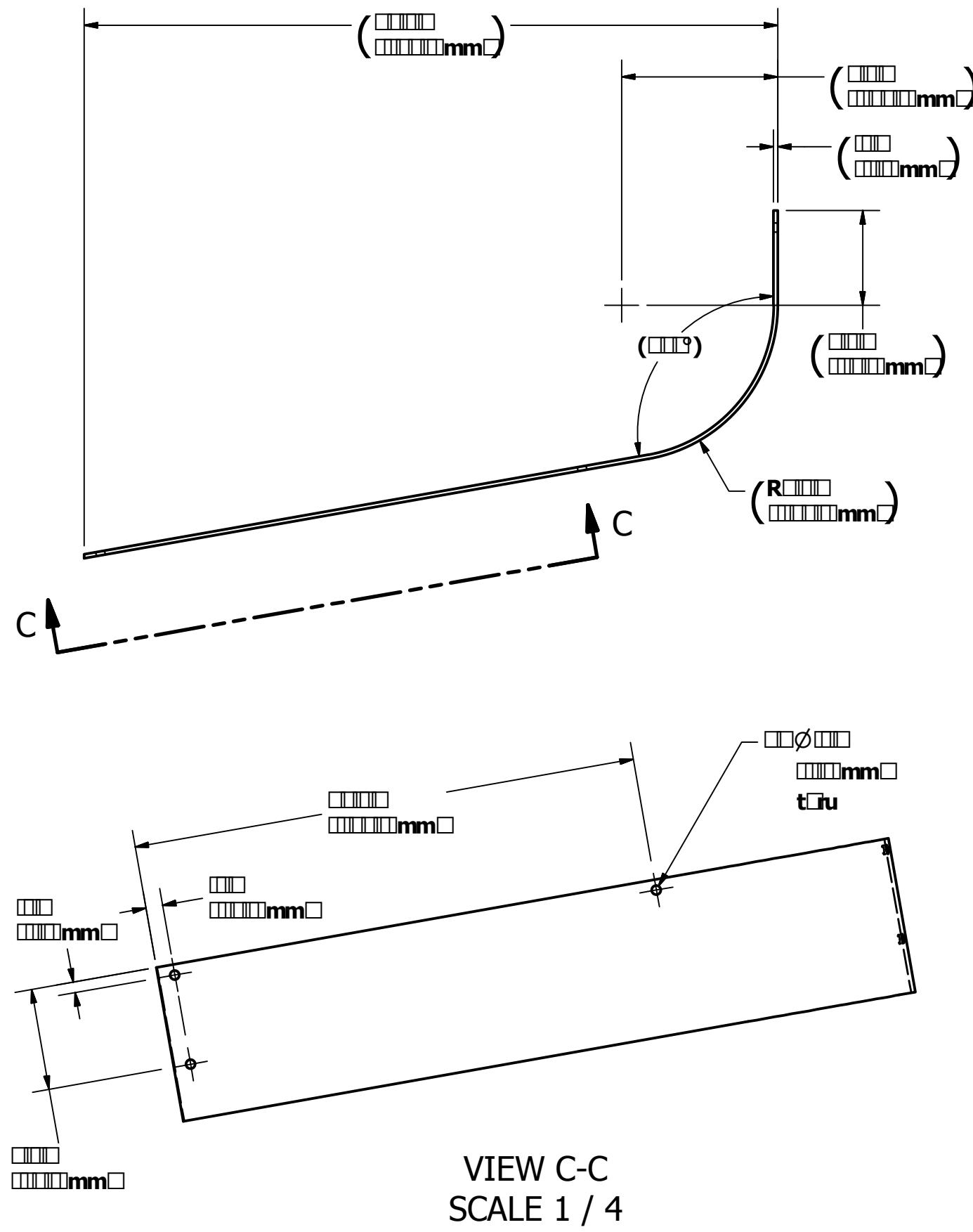
Item: E-
Resource:
Scale:

DRAWN dfoster	11/3/2011
CHECKED	
UNLESS OTHERWISE SPECIFIED	
TOLERANCES: (INCHES)	

FIRST
200 Bedford Street, Manchester,
(603) 666-3906 -- FAX (603) 0

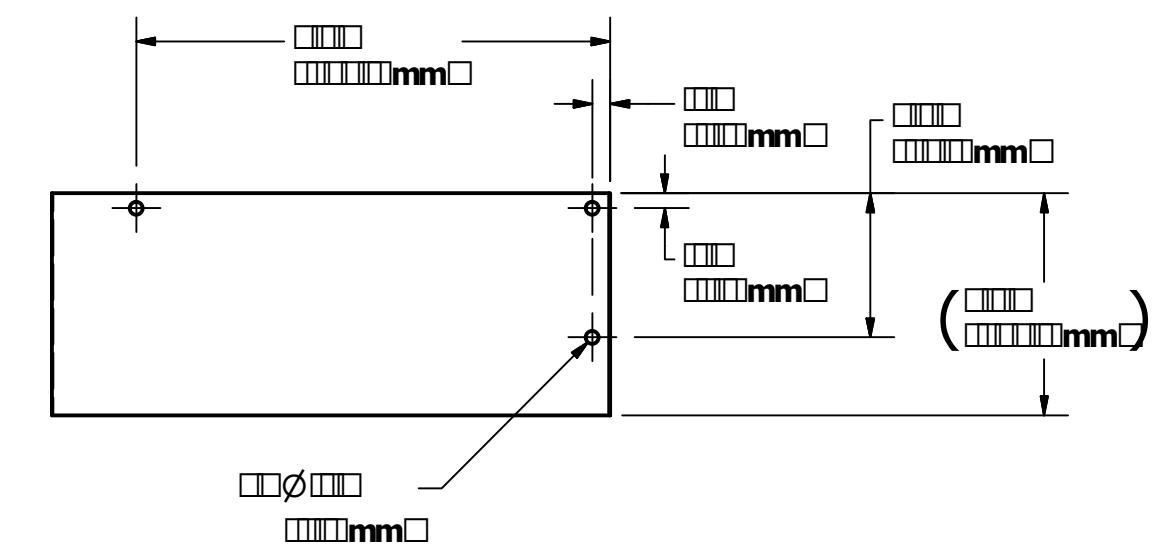
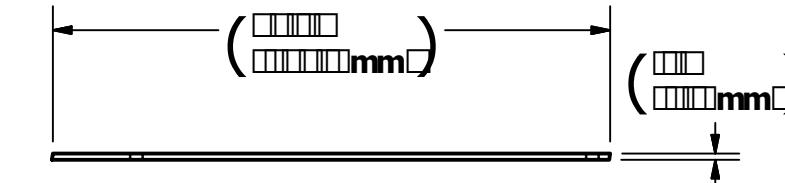
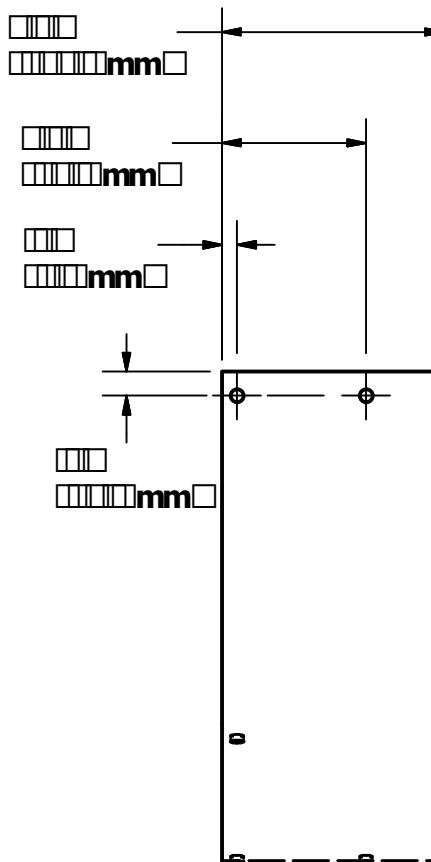
Item: **E** **S**
Resource:
Scale:
Quantity:

DRAWN dfoster	11/3/2011	FIRST 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
CHECKED				
UNLESS OTHERWISE SPECIFIED				
TOLERANCES: (INCHES)		TITLE Chute 2, Right Side		
FRAC.	+/- 1/32			
.00	+/- .01			
.000	+/- .005	SIZE C	DWG NO GE-12087	REV
ANGULAR	+/- .25 Deg.			
			SHEET 2 OF 3	



VIEW C-C
SCALE 1 / 4

Item: E Bottom
Resource:
Scale:
Quantity:



Item: E Bottom
Resource:
Scale:
Quantity:

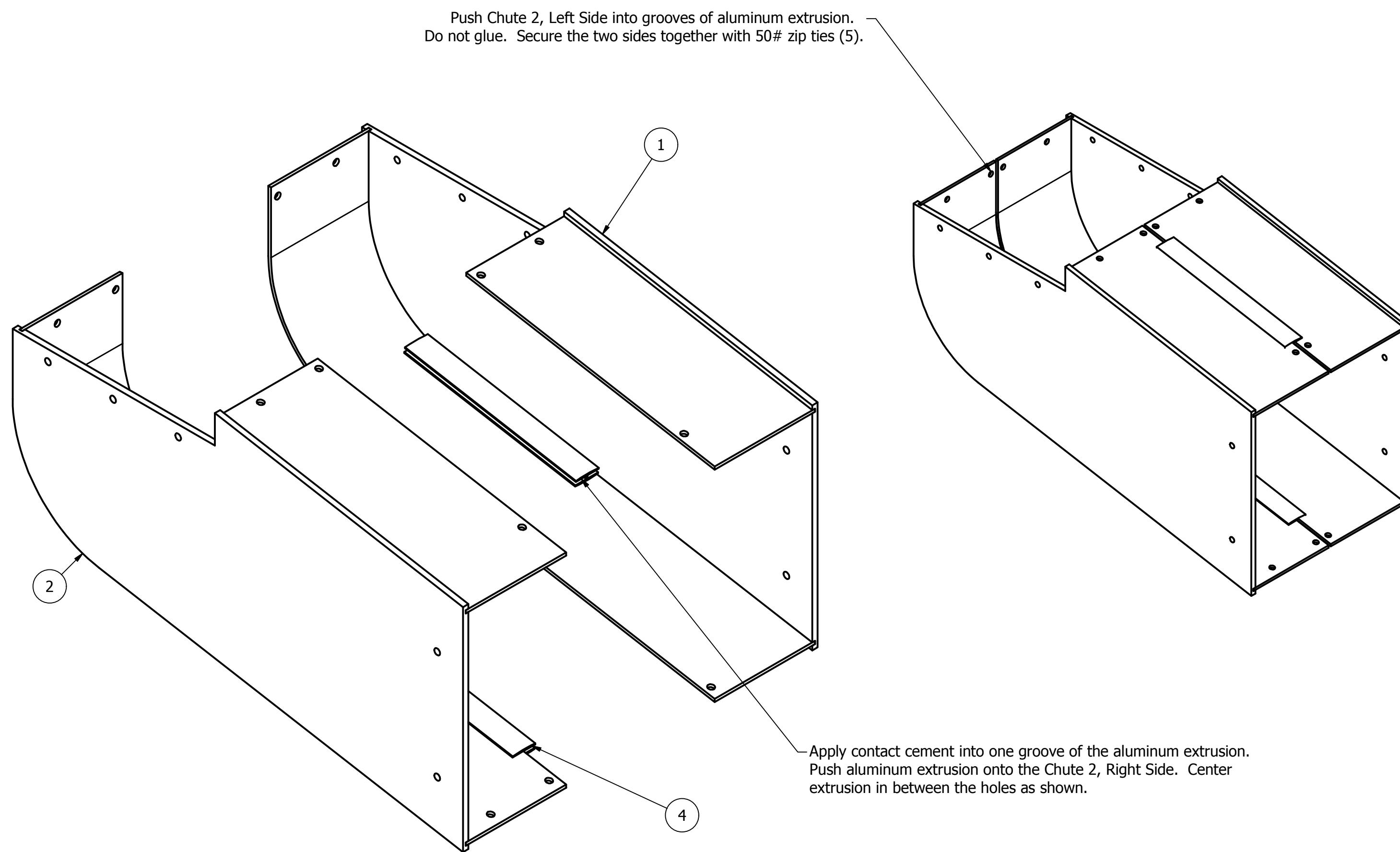
DRAWN dfoster	11/3/2011	FIRST e Street Manchester NH () () () FA () ()		
CHECKED				
UNLESS OTHERWISE SPECIFIED				
TOLERANCES: (INCHES)				
FRAC	<input type="checkbox"/>			
	<input type="checkbox"/>			
	<input type="checkbox"/>			
ANGLAR	<input type="checkbox"/>	e	SCALE	REV
SHEET	OF			

SIZE C DWG NO GE-12087

4 3 2 1

D

D

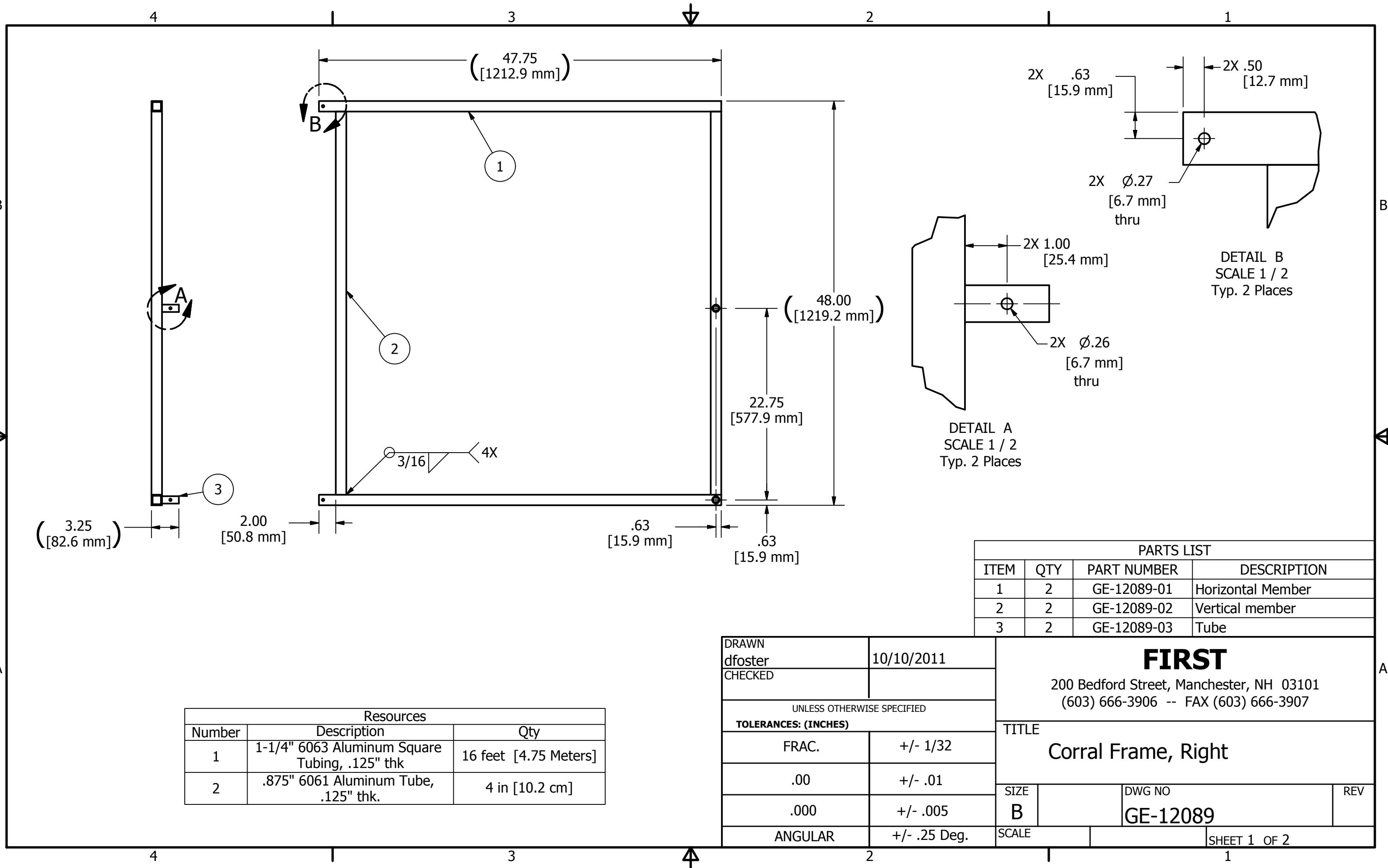


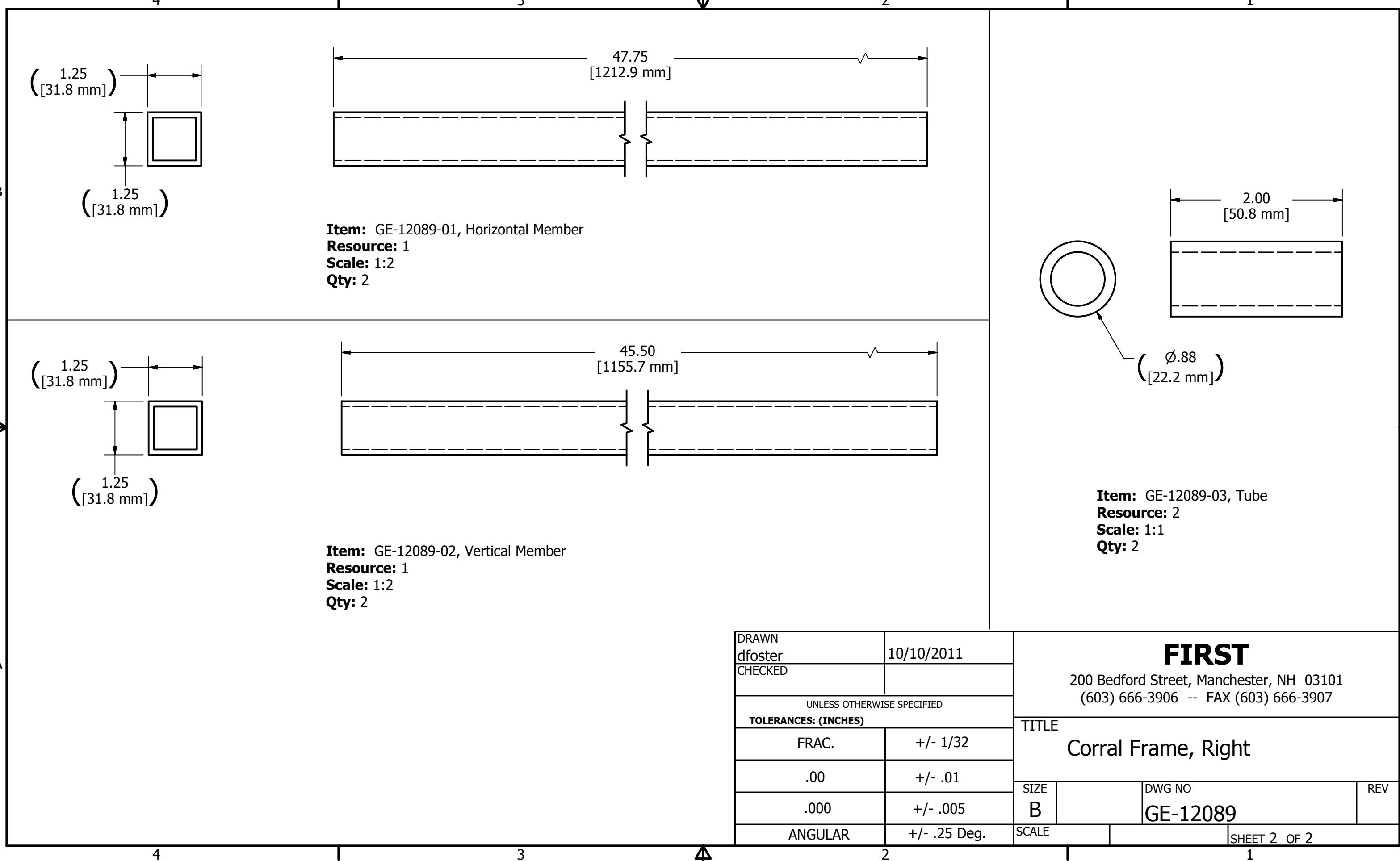
Notes:

1. Aluminum Extrusion can be purchased at www.mcmaster.com
Part Number: 8429A4 Aluminum H-Channel Edge Trim
6'L, 5/32" Channel (A), 1-3/64" Leg H (B)
2. Cut channel into:
12" length - qty 1
8" length - qty 1

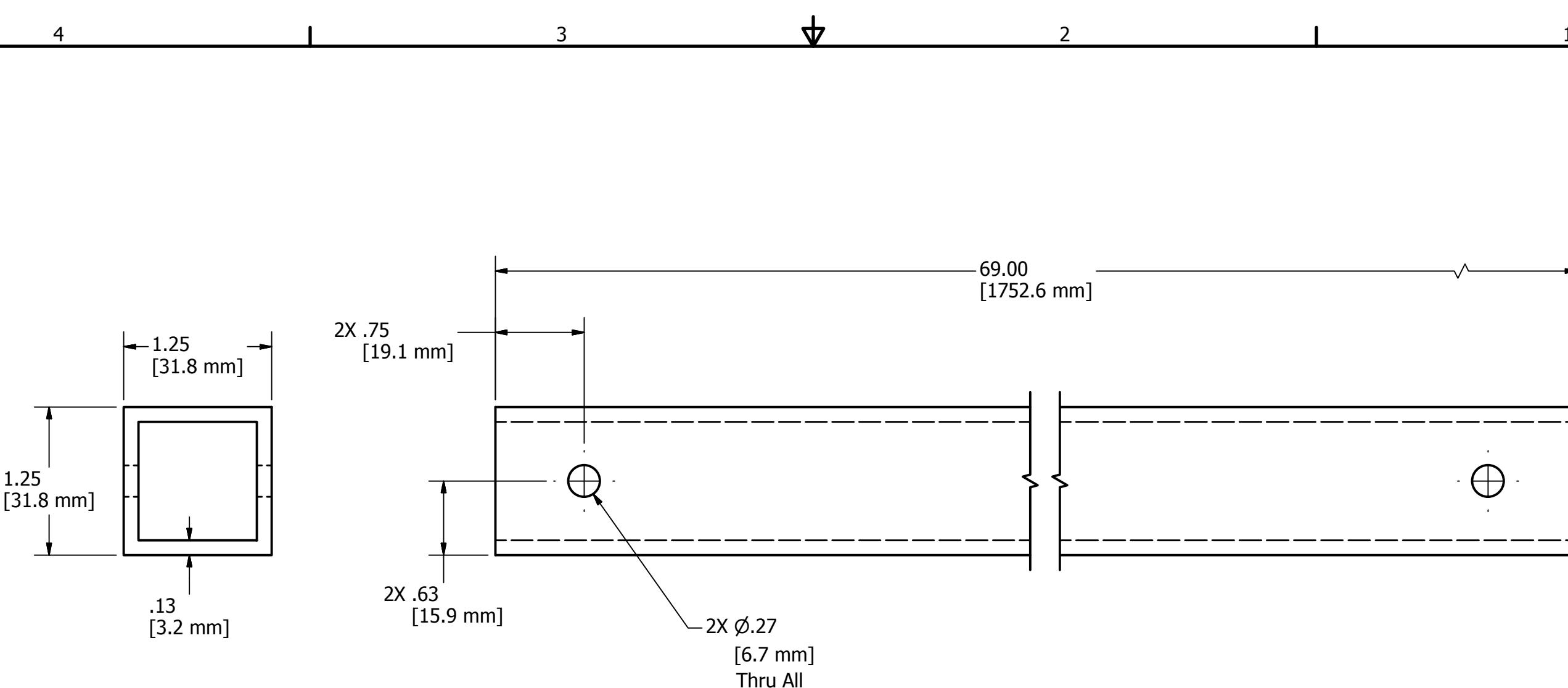
PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	GE-12086	Chute 2, Left Side
2	1	GE-12087	Chute 2, Right Side
3	20"	GE-12088-01	Aluminum Extrusion, See Note

DRAWN dfoster	10/11/2011	FIRST 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907	
CHECKED			
UNLESS OTHERWISE SPECIFIED			
TOLERANCES: (INCHES)			
FRAC.	+/- 1/32		
.00	+/- .01		
.000	+/- .005		
ANGULAR	+/- .25 Deg.		
SCALE		DWG NO	
C		GE-12088	
REV			

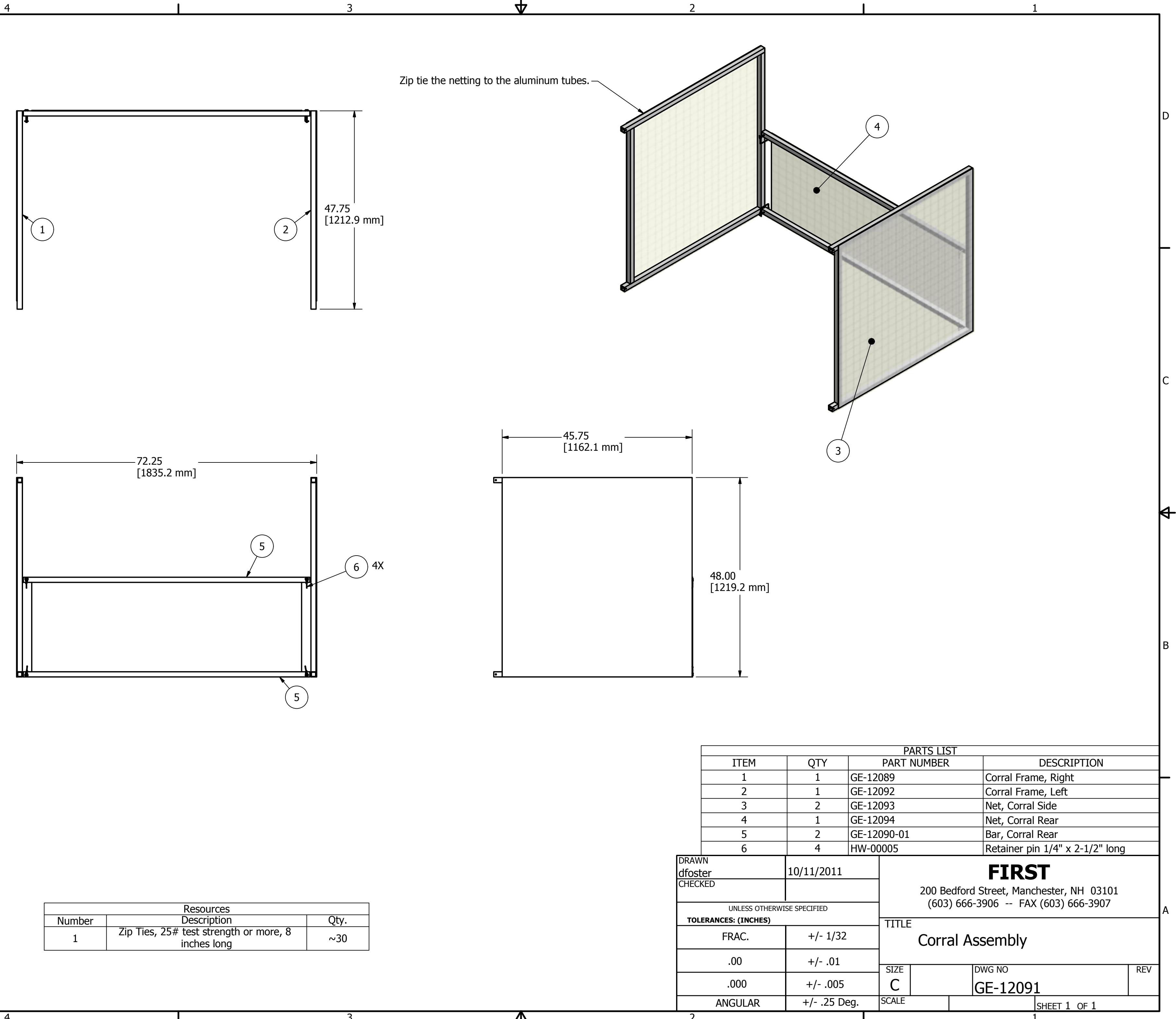


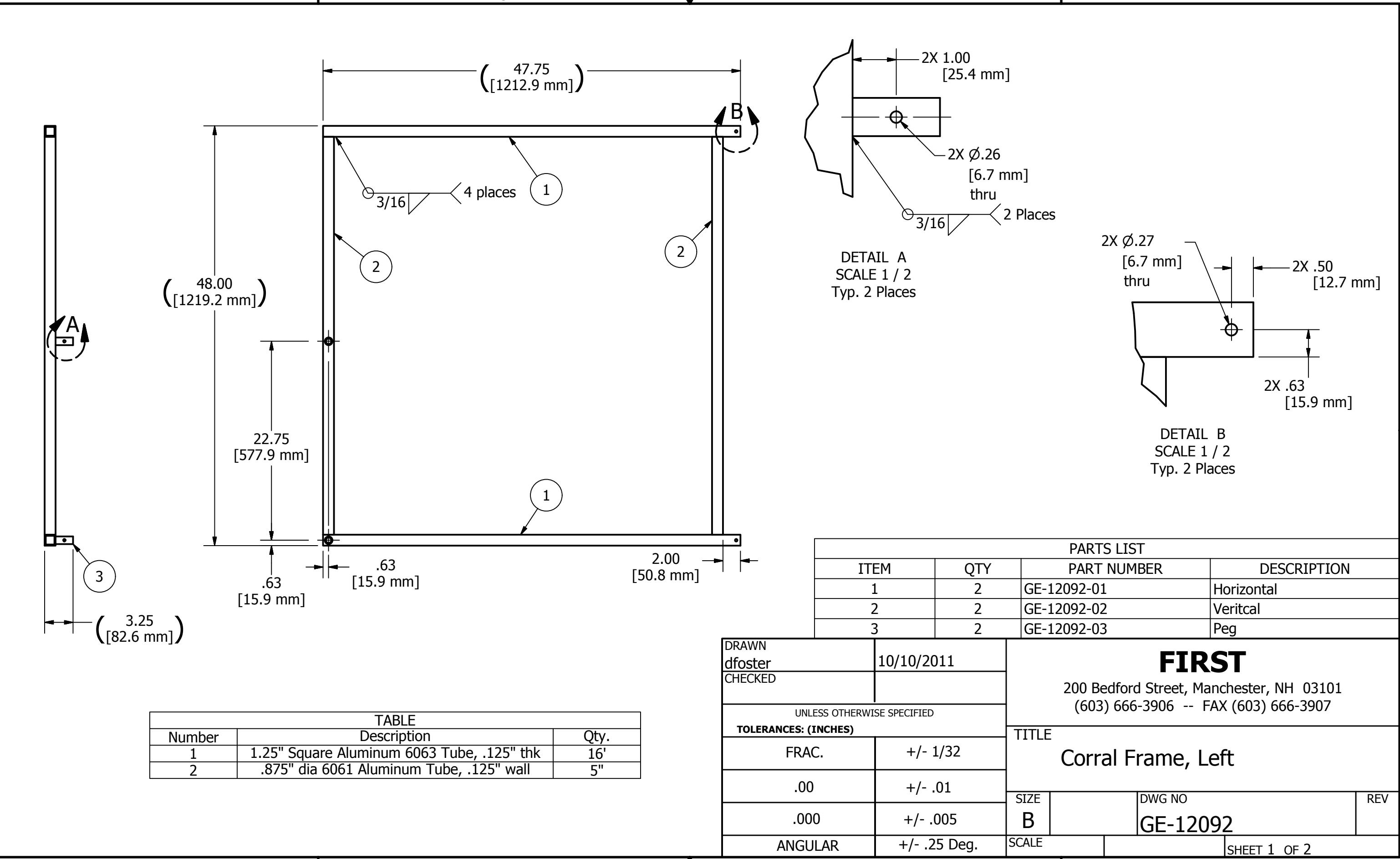


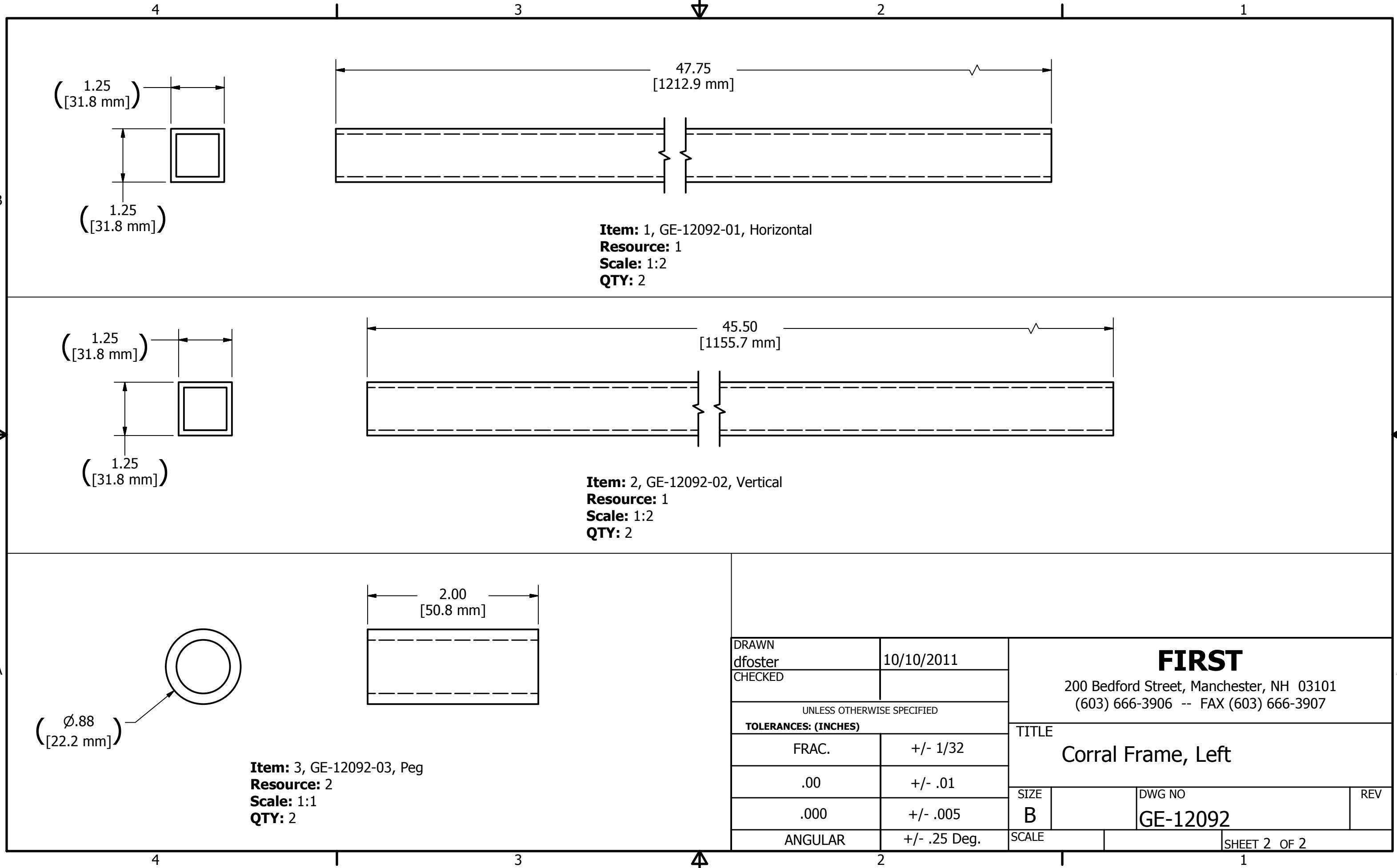
Material: 6063 Aluminum



DRAWN dfoster	11/28/2011	200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
CHECKED				
UNLESS OTHERWISE SPECIFIED				
TOLERANCES: (INCHES)		TITLE		
FRAC.	+/- 1/32	Bar, Corral Rear		
.00	+/- .01	SIZE	DWG NO	REV
.000	+/- .005	B	GE-12090	
ANGULAR	+/- .25 Deg.	SCALE		SHEET 1 OF 1







4

I

3

4

2

I

1

B

B

Manufacturer: Gourock**Description:** Net, #44 X 1-3/4" (350 lb./twine) 210D Braided-Knotless Nylon Netting Black Square Mesh with 1/4" Dacron Perimeter Rope Borders Installed (overlock-stitched)**Overall Size :** 45.75" x 48"**Part Number:** NA**Sold at:** www.gourock.com

4

3

4

2

I

1

DRAWN mcyr	11/9/2011	FIRST 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
CHECKED				
UNLESS OTHERWISE SPECIFIED				
TOLERANCES: (INCHES)		TITLE		
FRAC.	+/- 1/32	Net, Corral Side		
.00	+/- .01	SIZE	DWG NO	REV
.000	+/- .005	B	GE-12093	
ANGULAR	+/- .25 Deg.	SCALE		SHEET 1 OF 1

4

I

3

4

2

I

1

Manufacturer: Gourock

Description: Net, #44 X 1-3/4" (350 lb./twine) 210D Braided-Knotless Nylon Netting Black Square Mesh with 1/4" Dacron Perimeter Rope Borders Installed (overlock-stitched)

Overall Size : 24" x 65"

Part Number: NA

Sold at: www.gourock.com

DRAWN mcyr	11/9/2011	FIRST					
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907					
UNLESS OTHERWISE SPECIFIED							
TOLERANCES: (INCHES)							
FRAC.	+/- 1/32	TITLE					
.00	+/- .01	Net, Corral Rear					
.000	+/- .005	SIZE	DWG NO	REV			
ANGULAR	+/- .25 Deg.	B	GE-12094				
		SCALE		SHEET 1 OF 1			

4

3

4

2

I

1

4

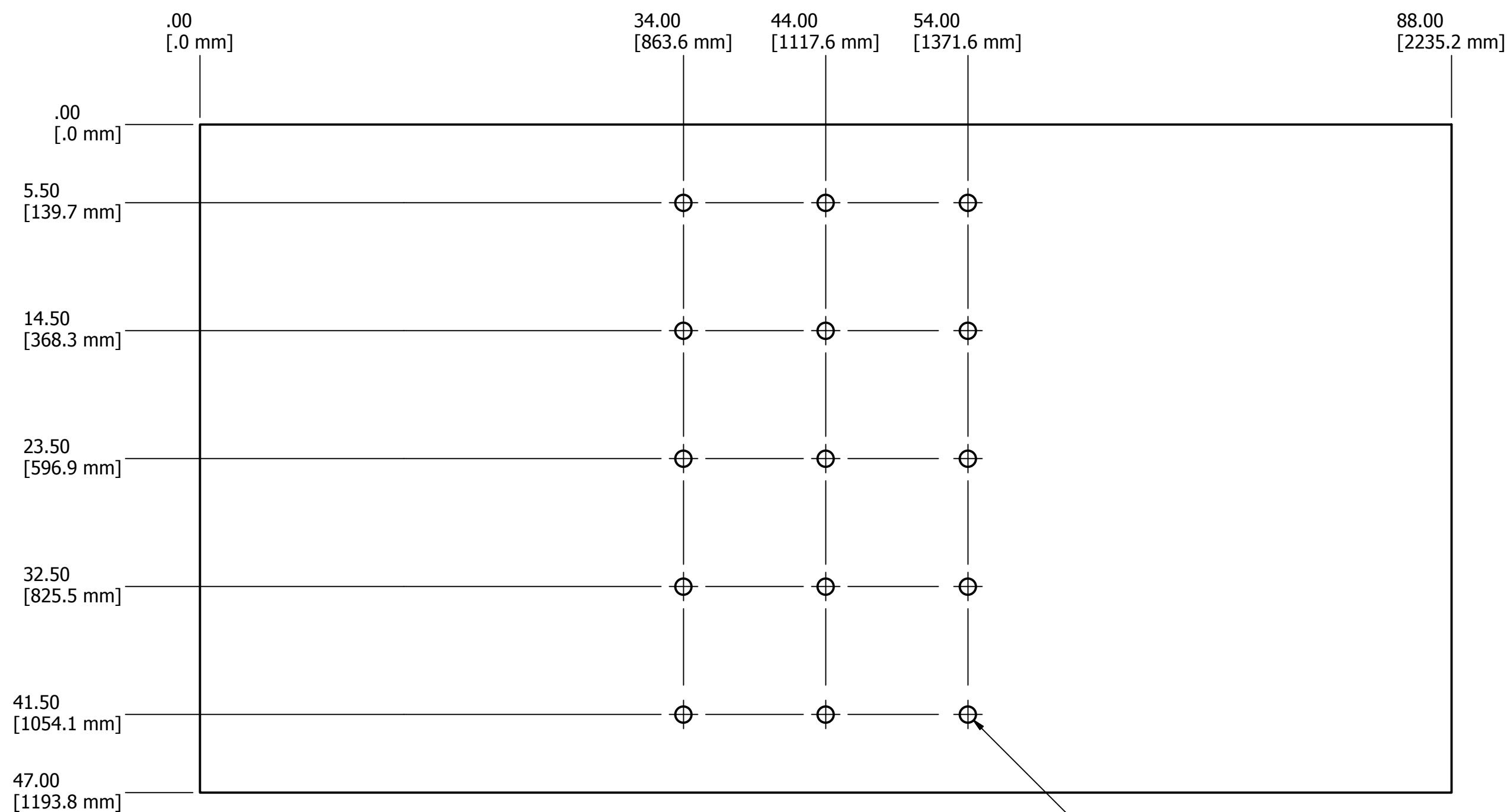
3

2

1

D

D



Material: Polycarbonate, Clear

DRAWN dfoster	10/27/2011	FIRST	
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907	
UNLESS OTHERWISE SPECIFIED			
TOLERANCES: (INCHES)		TITLE	
FRAC.	+/- 1/32	Bridge Surface	
.00	+/- .01	SIZE	
.000	+/- .005	DWG NO	
ANGULAR	+/- .25 Deg.	SCALE	REV
		GE-12095	
		SHEET 1 OF 1	

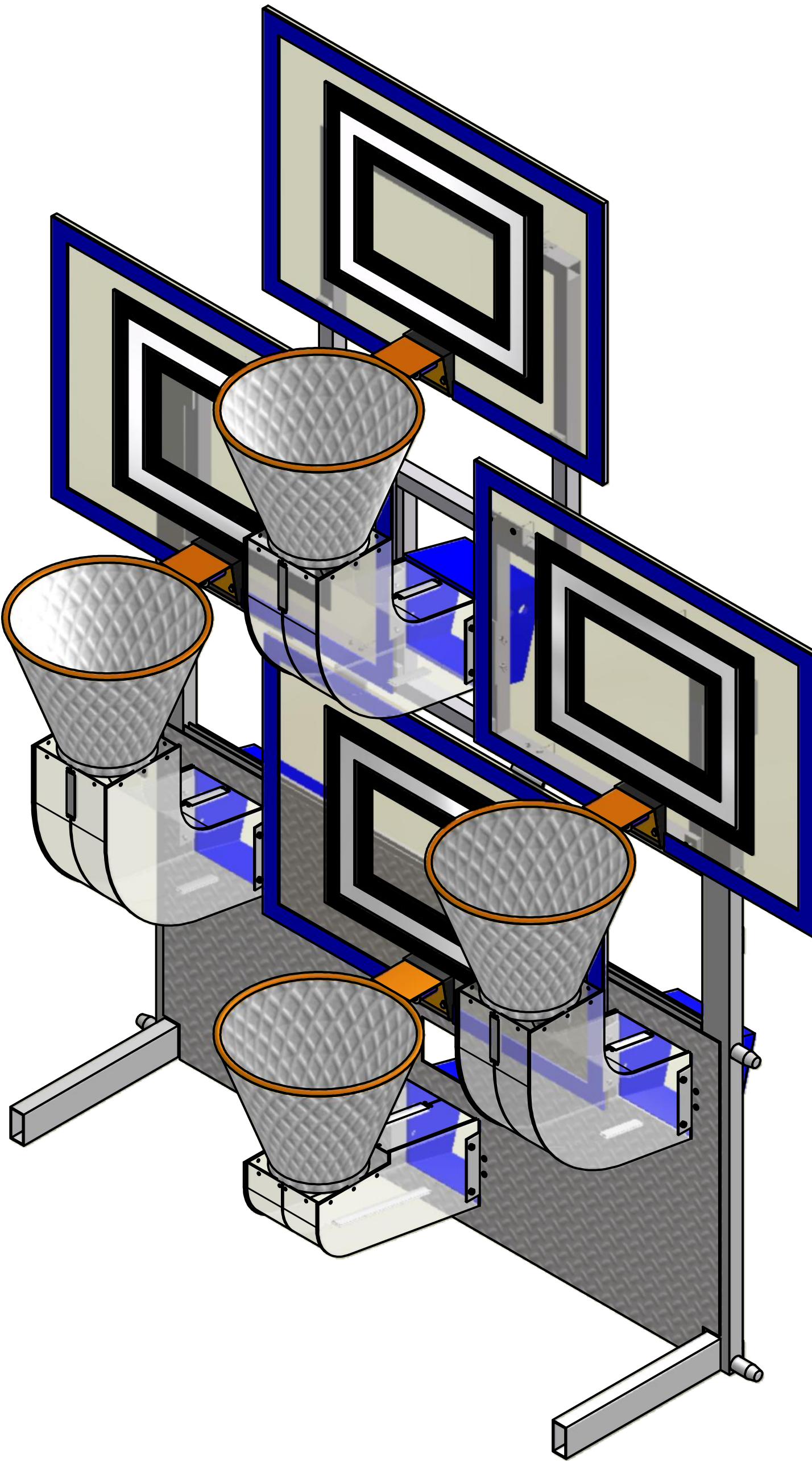
4

3

2

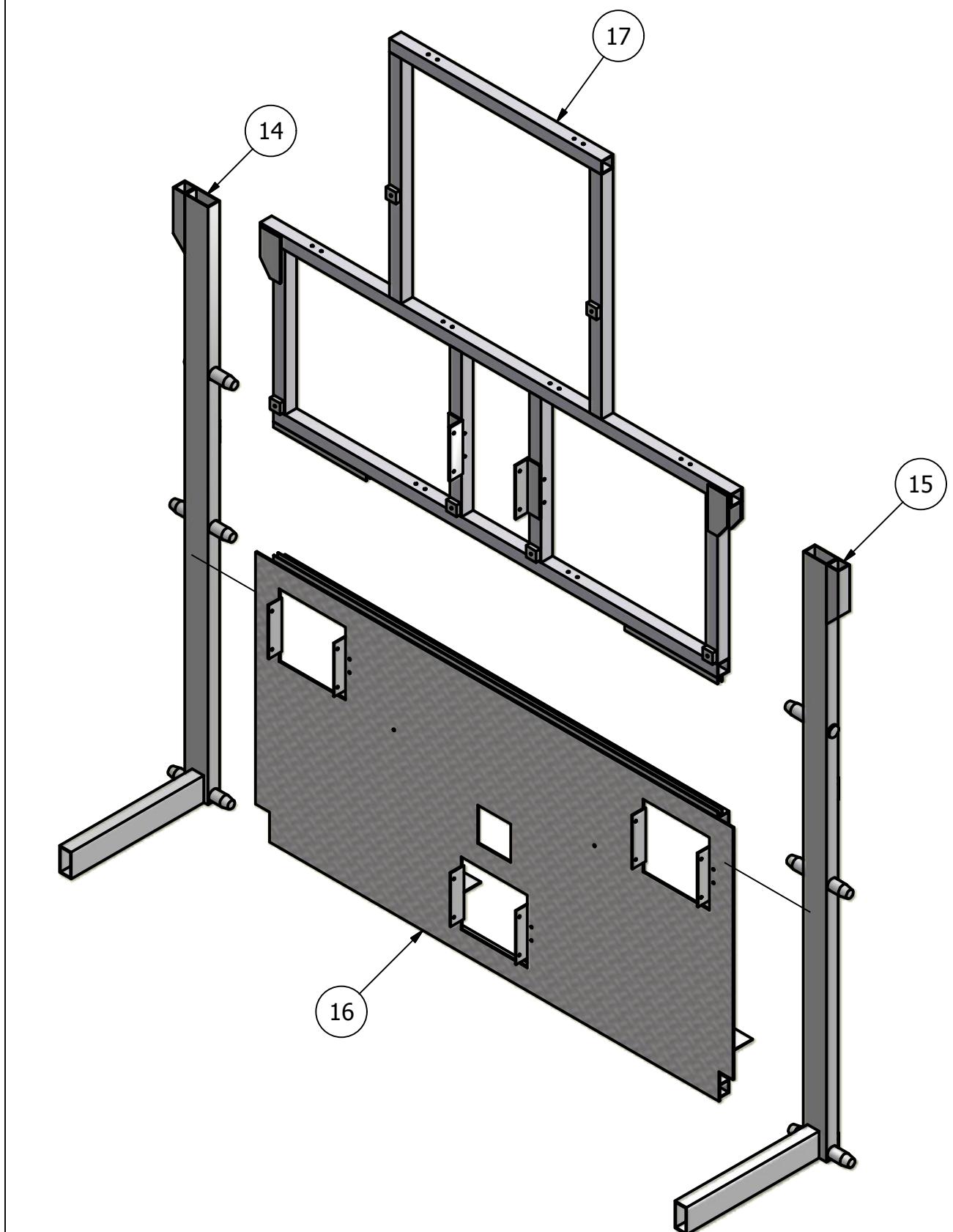
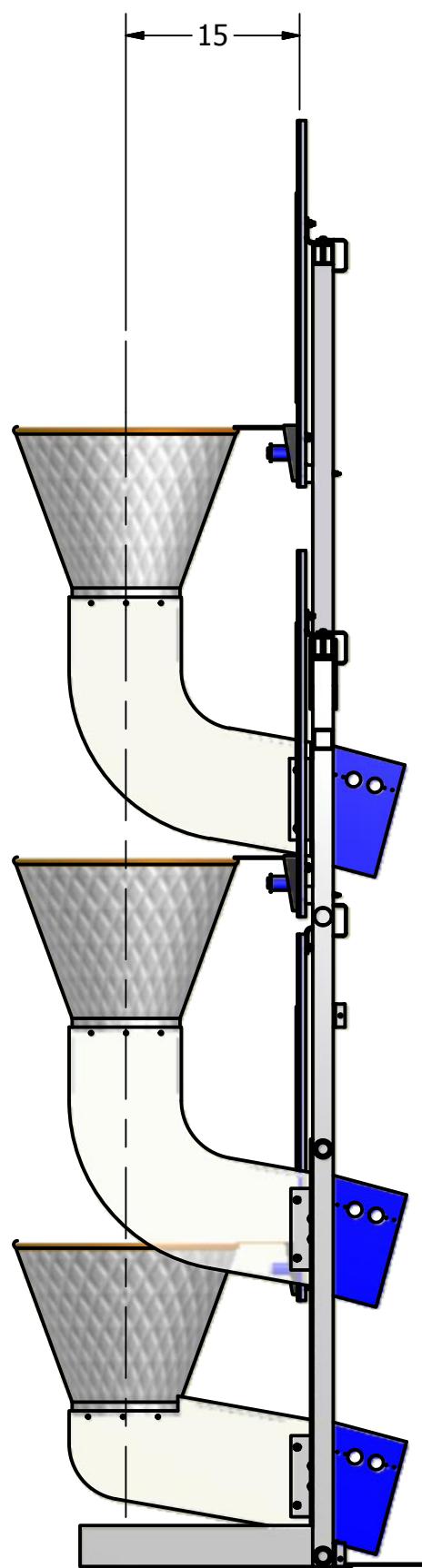
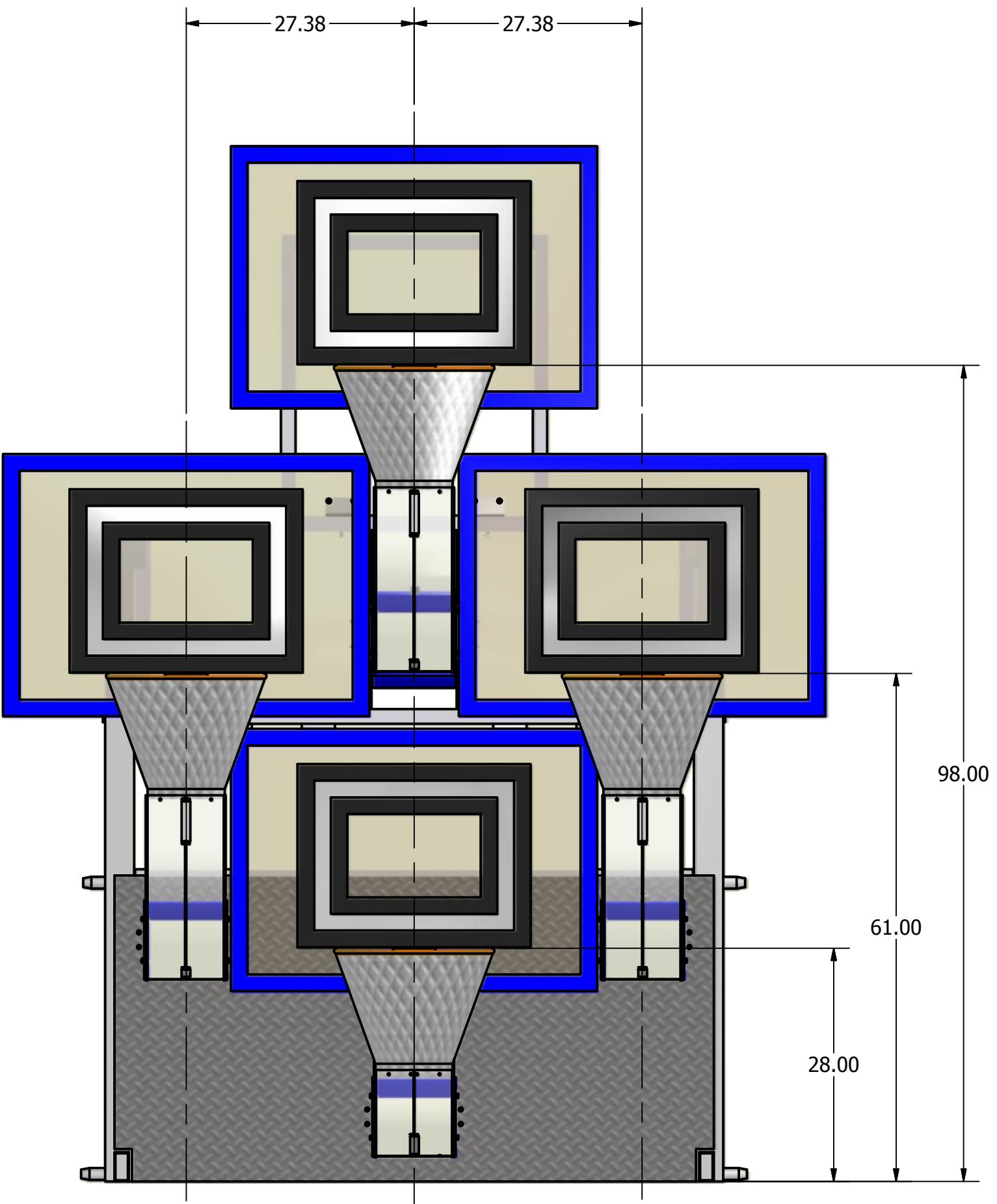
1

4



PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
14	1	GE-12026	Hoop Upright, Left
15	1	GE-12027	Hoop Upright, Right
16	1	GE-12028	End Panel, Center
17	1	GE-12016	Backboard Frame
19	1	GE-12098	Backboard Assembly, Top
20	1	GE-12099	Backboard Assembly, Left
21	1	GE-12100	Backboard Assembly, Right
22	1	GE-12101	Backboard Assembly, Bottom
23	4	GE-12014	Basketball Net
24	3	GE-12072	Chute 1, Assembly
25	1	GE-12088	Chute 2 Assembly
26	1	GE-12059	Sensor Box
27	3	GE-12102	Sensor Box Assembly
28	8	HW-00005	Retainer pin 1/4" x 2-1/2" long
29	8	PP-00043	Spacer, Aluminum
30	8	HW-00063	HHCS 1/4-20 x 2.5" Zinc Plate
31	8	HW-00021	Washer, Fender 1/4" Zinc Plate
32	36	HW-00002	Nut, Lock 1/4-20
33	10	HW-00073	FHCS 1/4-20 x 3-1/4"
35	2	HW-00008	FHCS 1/4-20 x 1-5/8"
36	12	HW-00011	1/4-20 Wing Nut
37	28	HW-00015	1/4-20 x 3/4" Button head screw, zinc plated

DRAWN dfoster	11/22/2011	FIRST 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907			
CHECKED					
UNLESS OTHERWISE SPECIFIED					
TOLERANCES: (INCHES)					
FRAC.	+/- 1/32				
.00	+/- .01				
.000	+/- .005				
ANGULAR	+/- .25 Deg.	SCALE	DWG NO		
			GE-12096		
			REV		
			SHEET 1 OF 4		



DRAWN dfoster	11/22/2011	FIRST	
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907	
UNLESS OTHERWISE SPECIFIED			
TOLERANCES: (INCHES)		TITLE	
FRAC.	+/- 1/32	Basketball Hoop Assembly	
.00	+/- .01	SIZE	DWG NO
.000	+/- .005	C	GE-12096
ANGULAR	+/- .25 Deg.	SCALE	REV
		SHEET 2 OF 4	

4 3 2 1

D

D

C

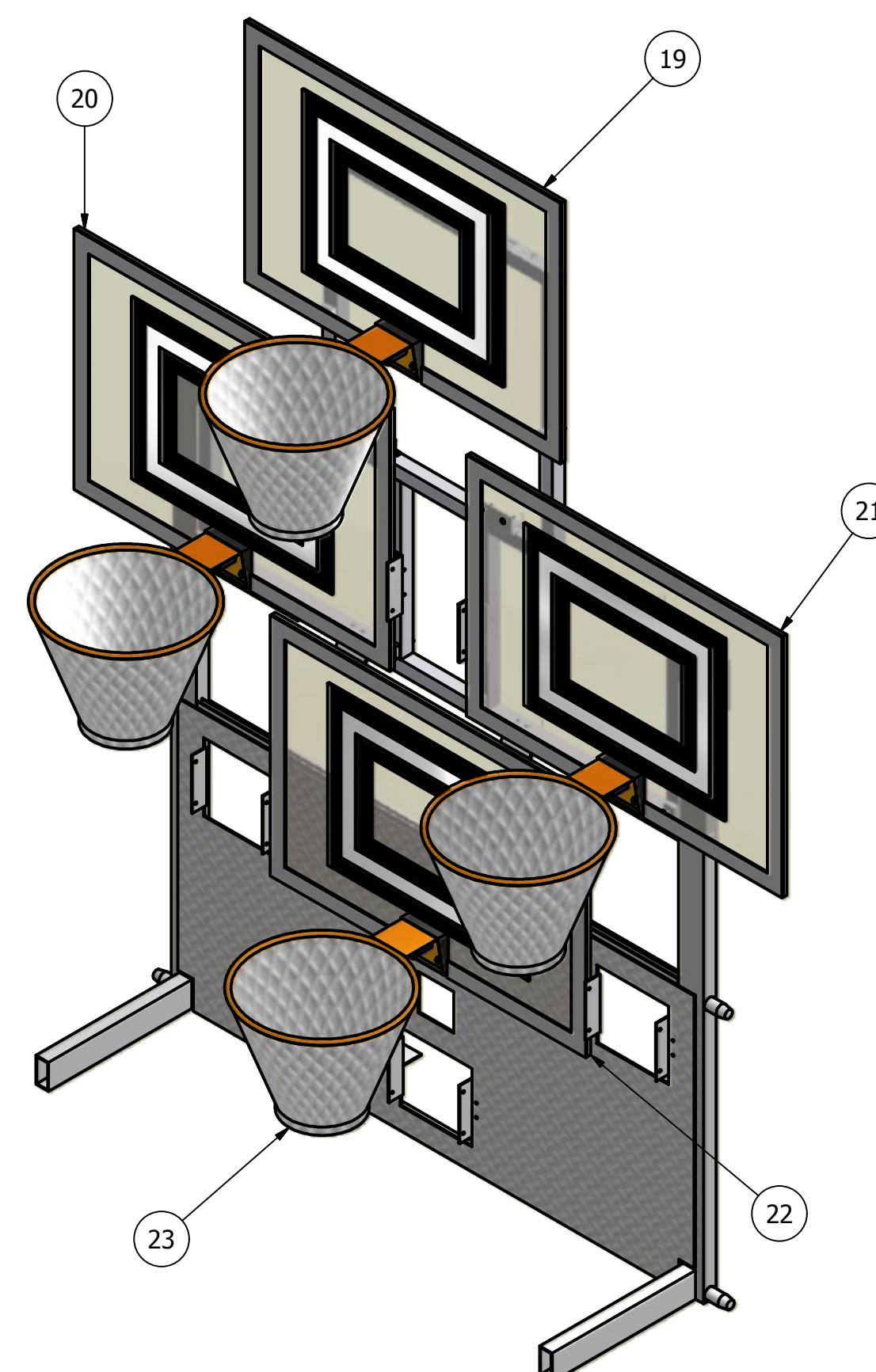
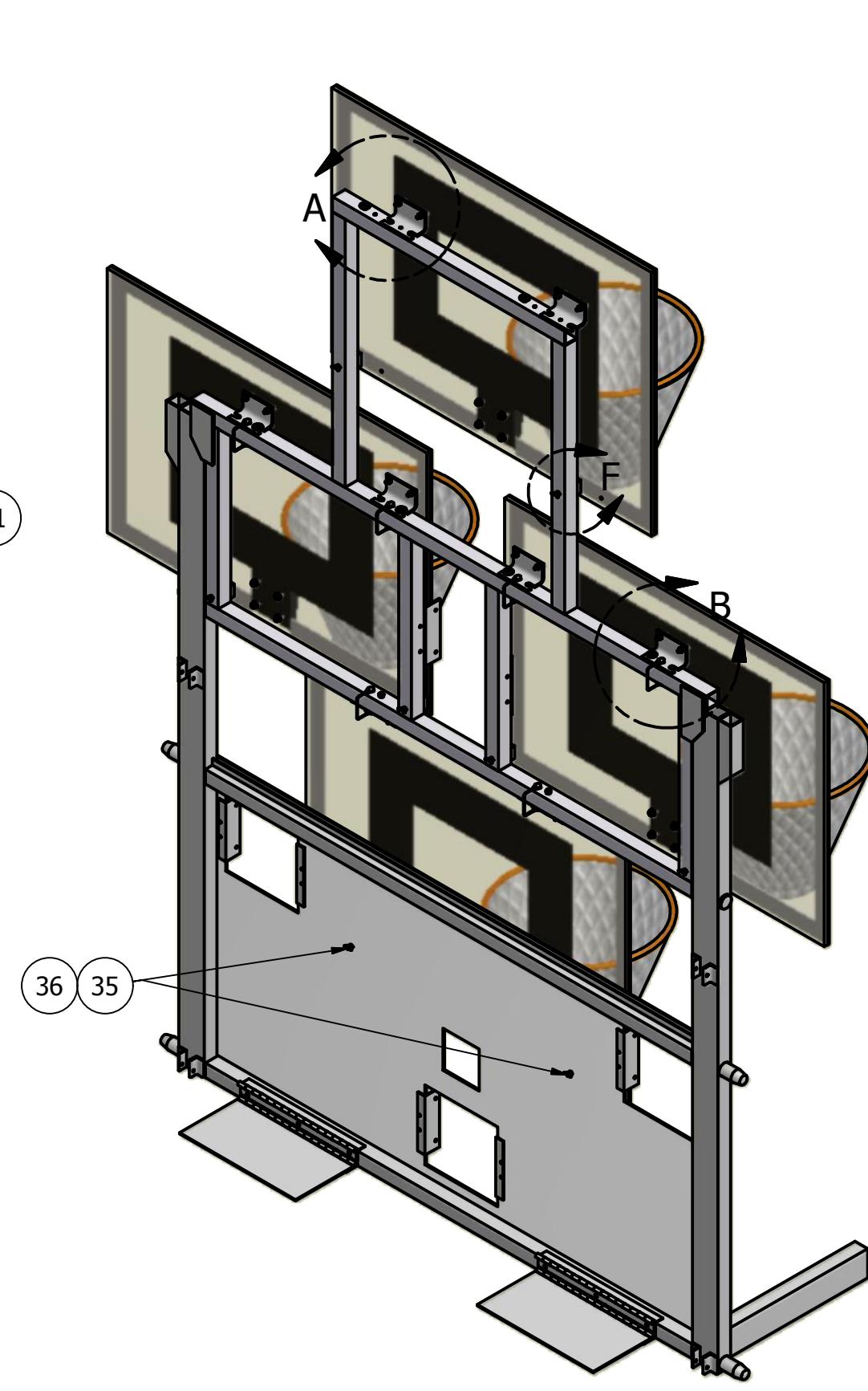
C

B

B

A

A

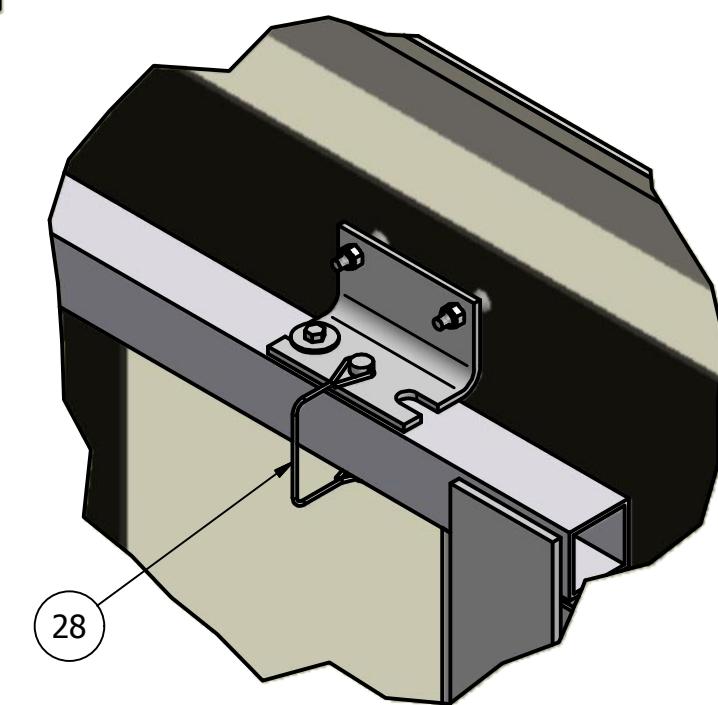
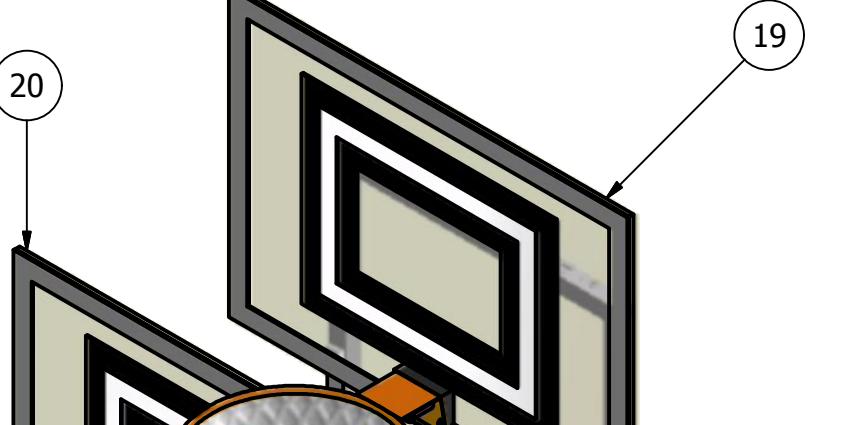
DETAIL A
SCALE 1 / 4

36

35

22

21

DETAIL B
SCALE 1 / 4

Steps for installing the backboards:

1. Rest the angle bracket mounted to the backboard on the aluminum tube of the backboard frame as shown.
2. Slide the backboard over so that the spacer/washer combination on the backboard frame engages with the slot in the angle bracket. At this point the hole in the bracket should line up with a hole in the backboard frame.
3. Secure the backboard by inserting a pin through the bracket and the frame (shown in Detail B). Repeat for both brackets that are mounted to the frame.

DRAWN dfoster	11/22/2011	FIRST 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907	
CHECKED			
UNLESS OTHERWISE SPECIFIED			
TOLERANCES: (INCHES)			
FRAC.	+/- 1/32		
.00	+/- .01		
.000	+/- .005		
ANGULAR	+/- .25 Deg.	SCALE	DWG NO
			GE-12096
		REV	
SHEET 3 OF 4			

4 3 2 1

D

D

C

C

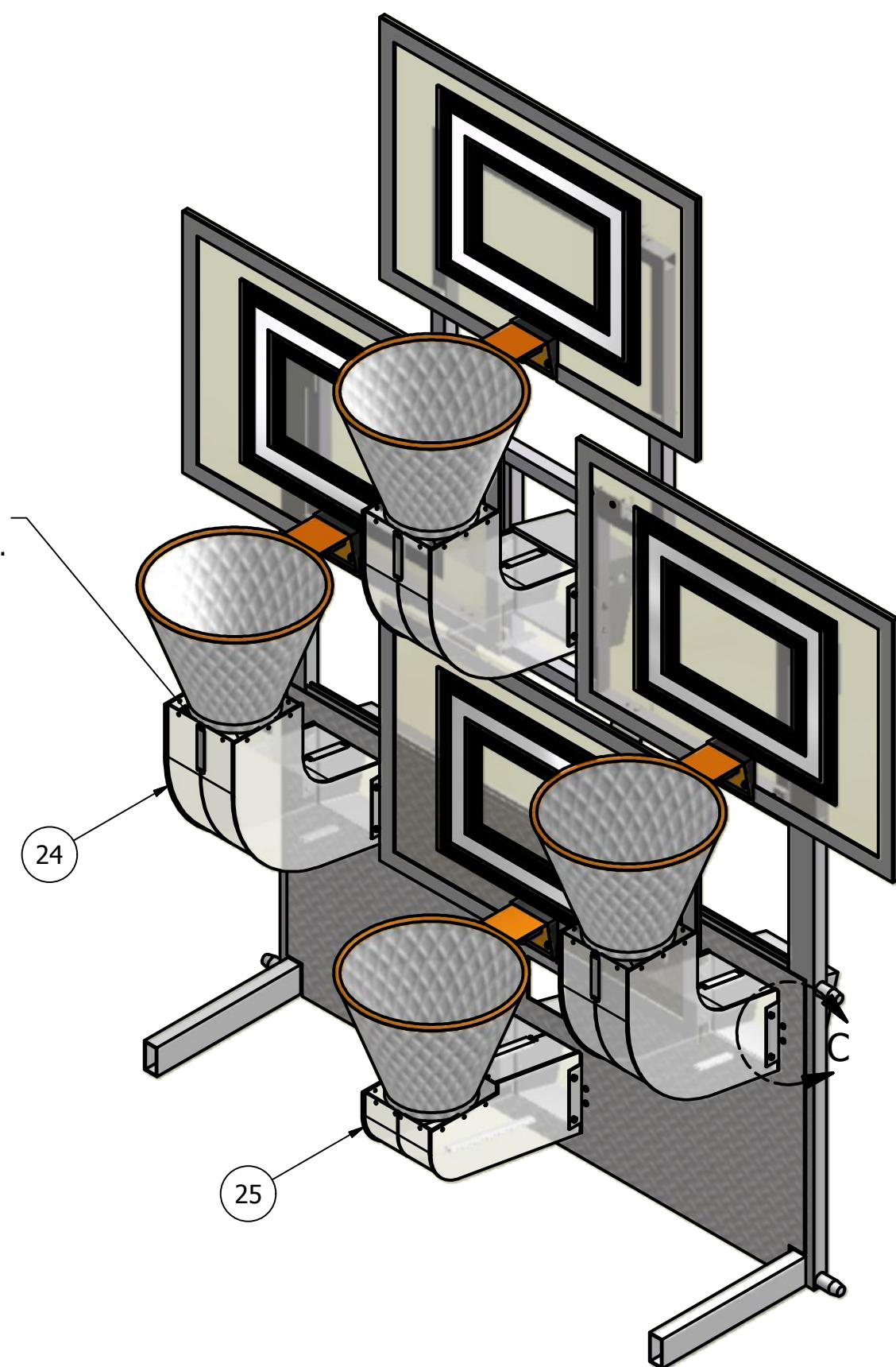
B

B

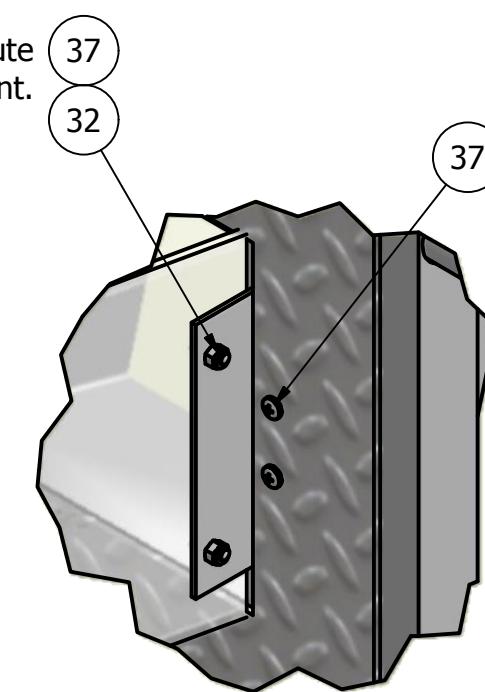
A

A

Zip tie the net to the available holes
on the chute assemblies.

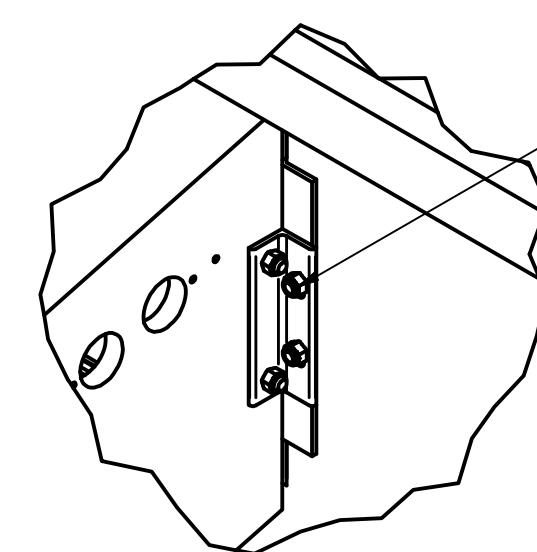


Typical for all chute attachment.

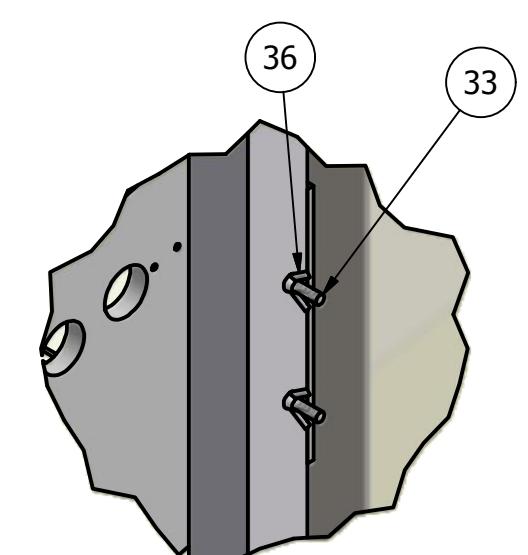
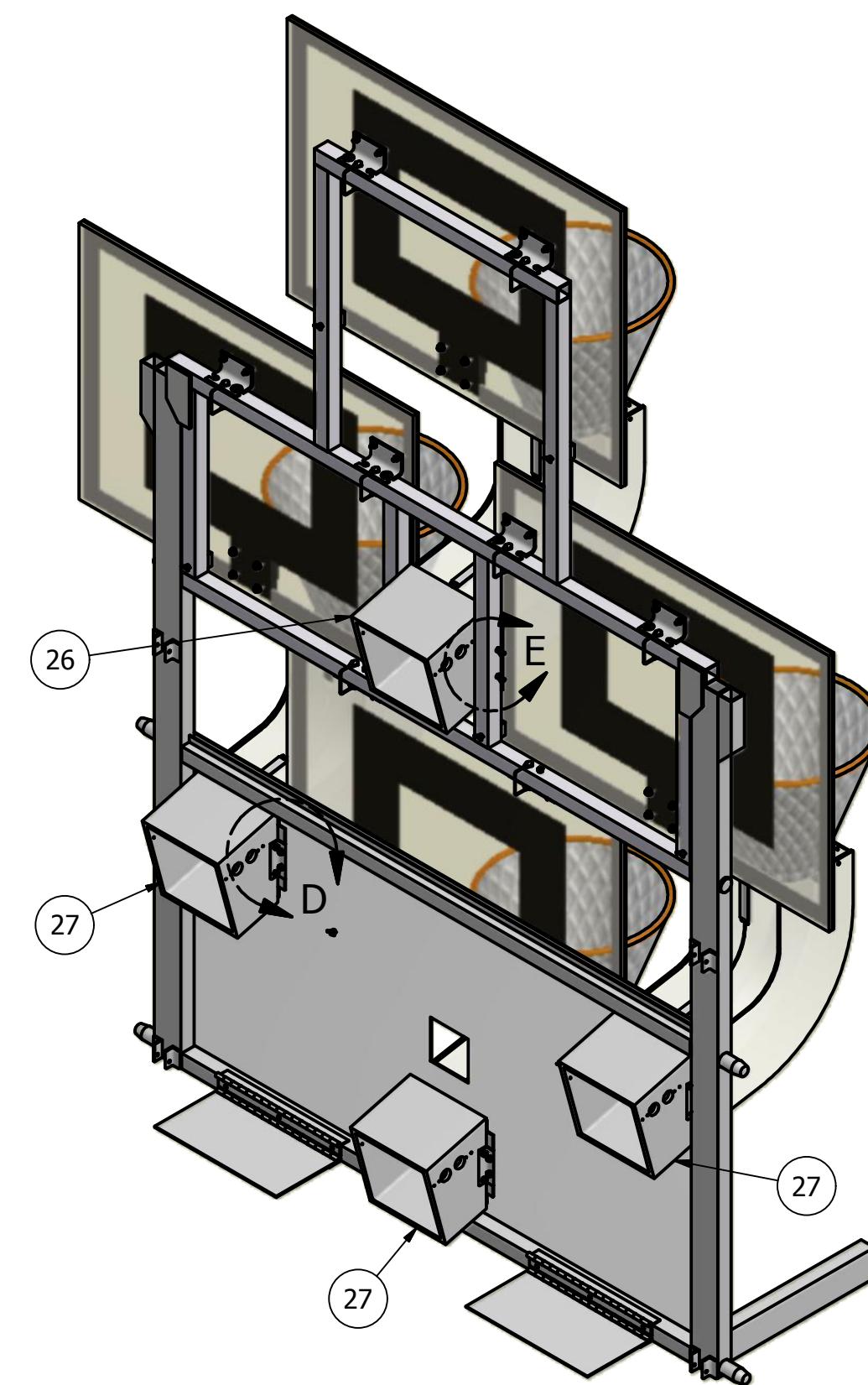


DETAIL C
SCALE 1 / 4

Typical for the bottom three sensor boxes

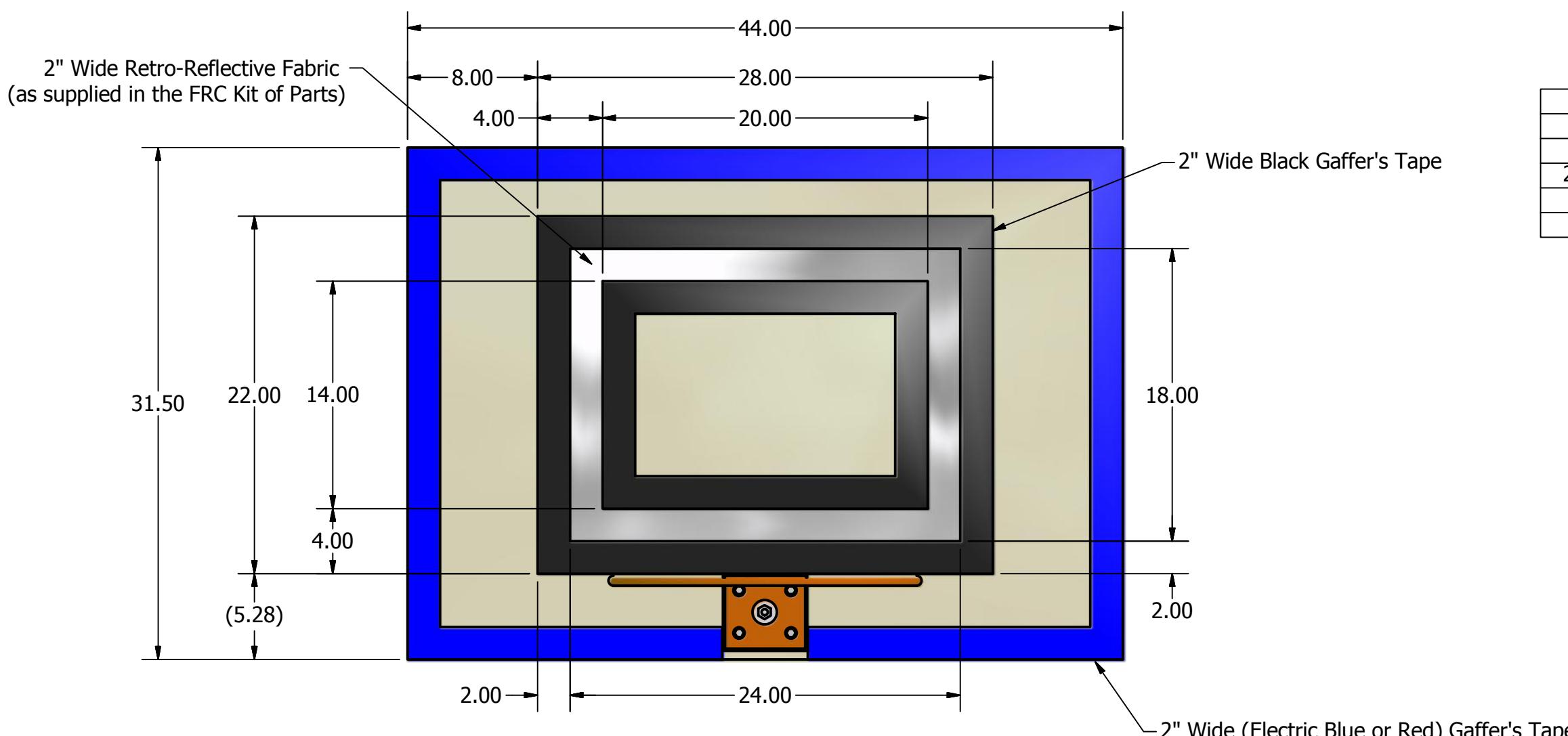
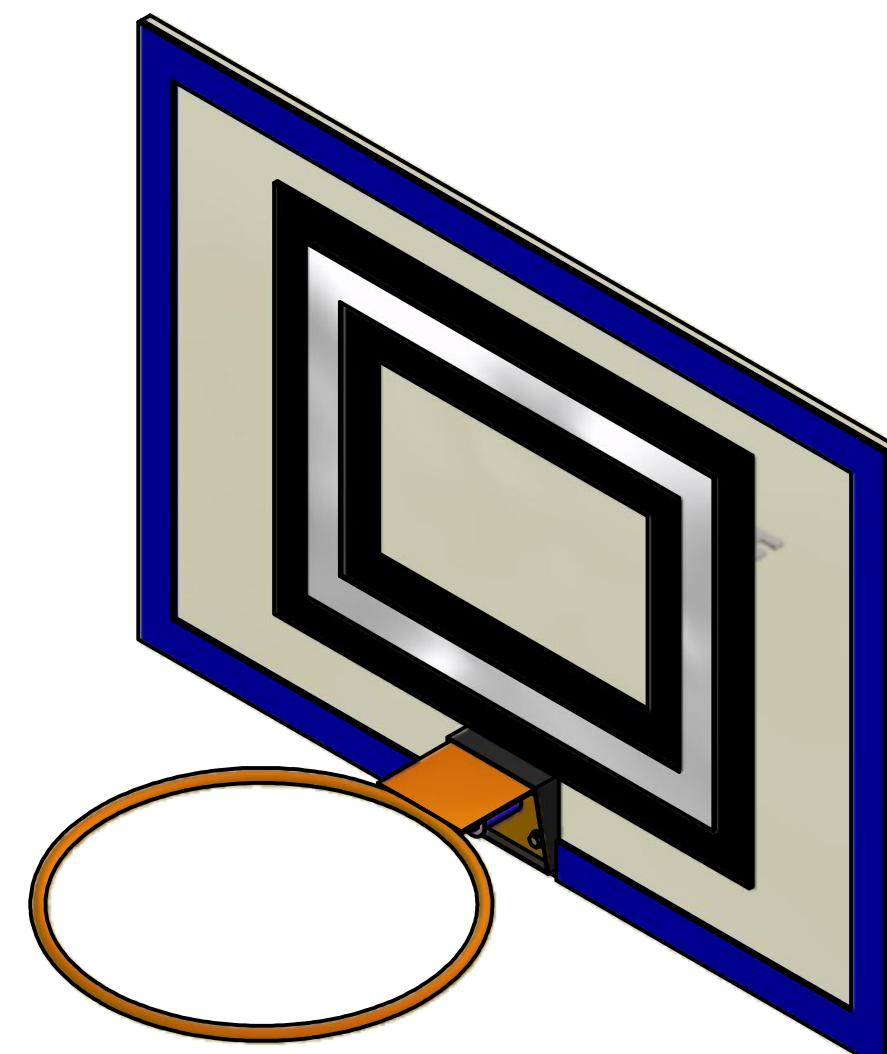
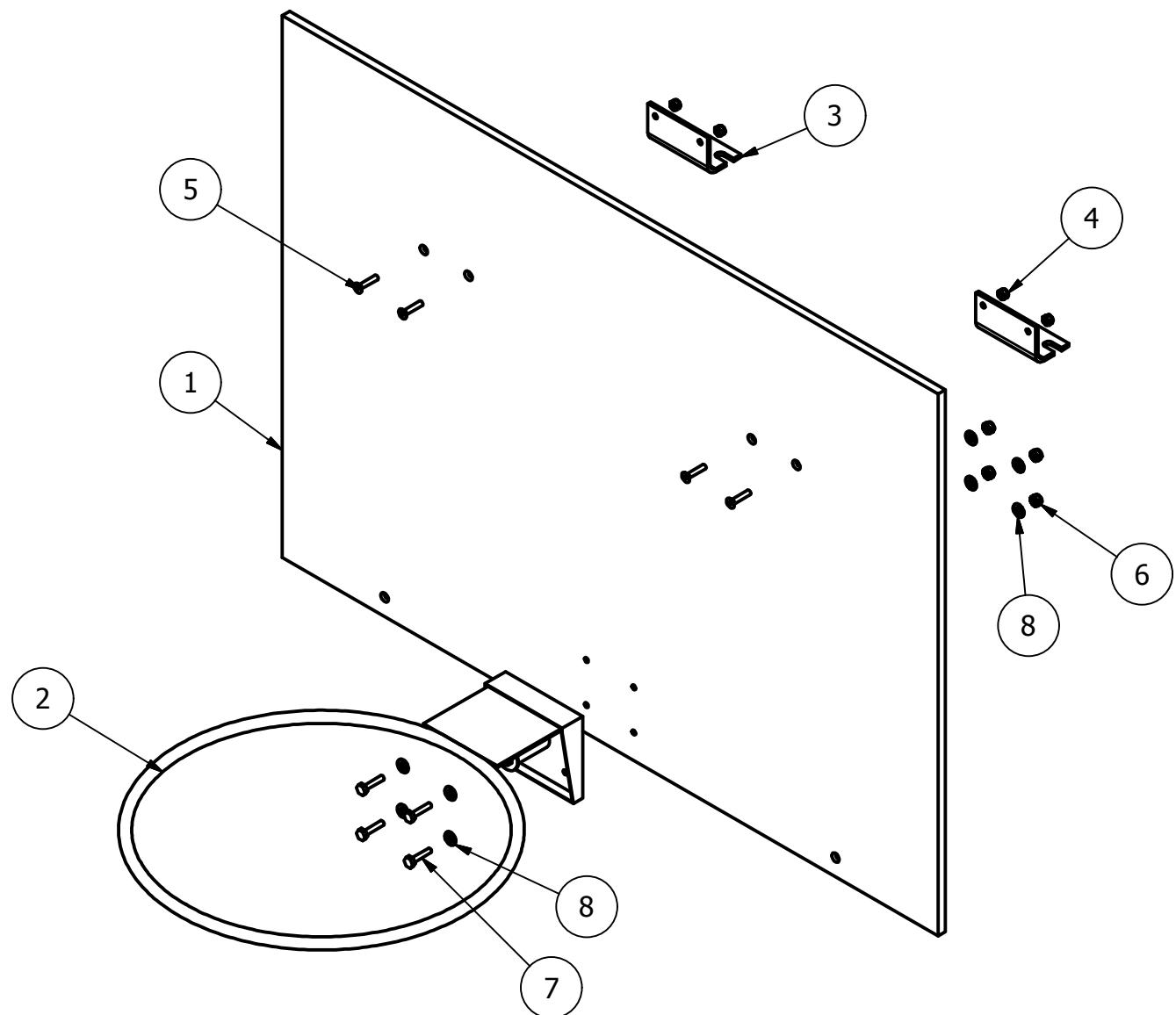


DETAIL D
SCALE 1 / 4



DETAIL E
SCALE 1 / 4

DRAWN dfoster	11/22/2011	FIRST 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907	
CHECKED			
UNLESS OTHERWISE SPECIFIED			
TOLERANCES: (INCHES)			
FRAC.	+/- 1/32		
.00	+/- .01		
.000	+/- .005		
ANGULAR	+/- .25 Deg.	SCALE	REV
		DWG NO GE-12096	
		SHEET 4 OF 4	



Tape Usage	
Description	Required
Retro-Reflective	84"
2" Red or Electric Blue Gaffer's Tape	151"
2" Black Gaffer's Tape	168"
2" Wide Double Sided Tape	84"

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	GE-12012	Backboard, Top
2	1	GE-12013	Basketball Hoop
3	2	GE-12073	Bracket, Backboard
4	4	HW-00002	Nut, Lock 1/4-20
5	4	HW-00013	1/4-20 x 1-1/4" Flat head screw, zinc plated
6	4	HW-00033	Nut, Nylock 5/16-18 Zinc Plate
7	4	HW-00037	Hex head bolt 5/16-18 x 1-1/4"
8	8	HW-00039	Washer, Flat 5/16"

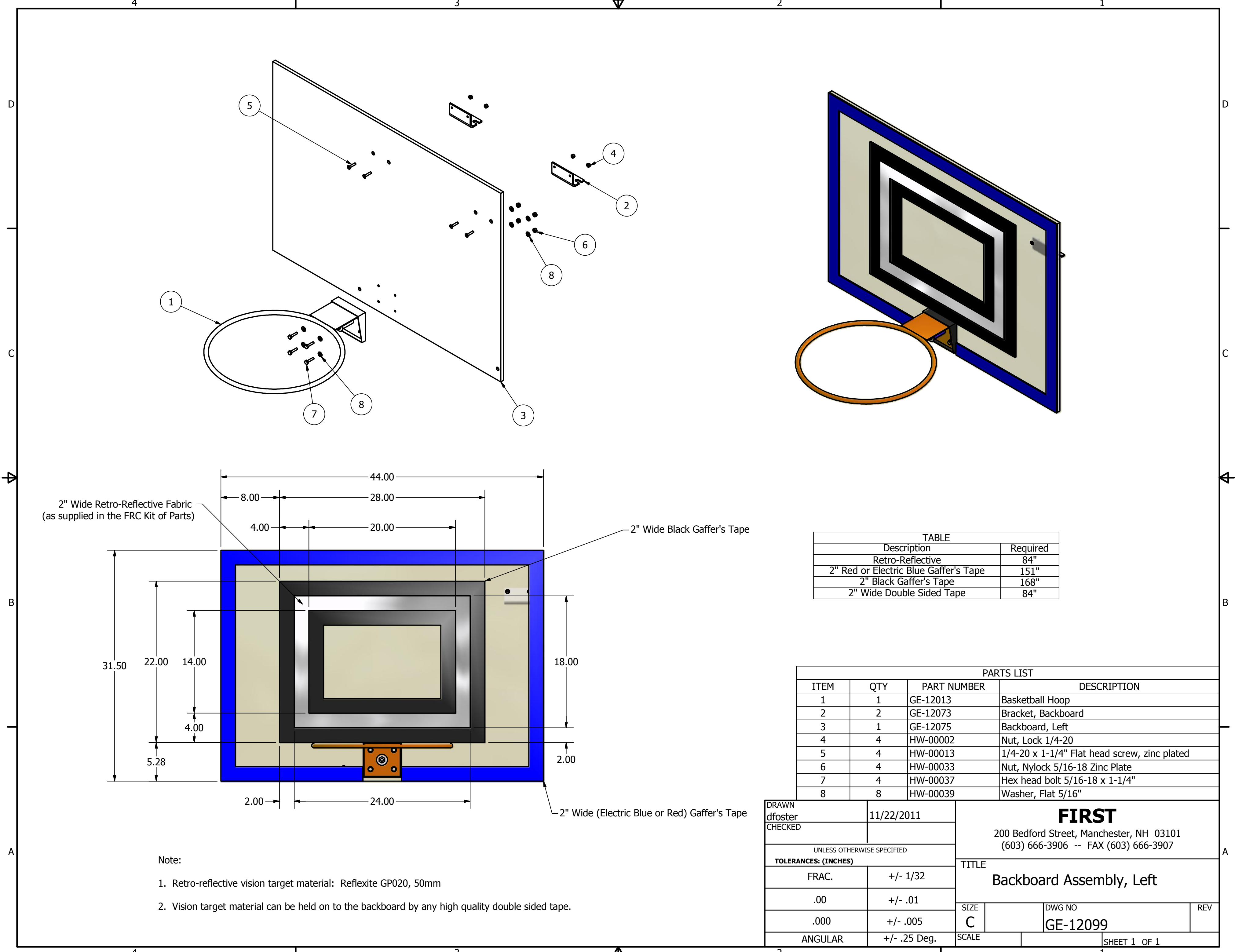
Note:

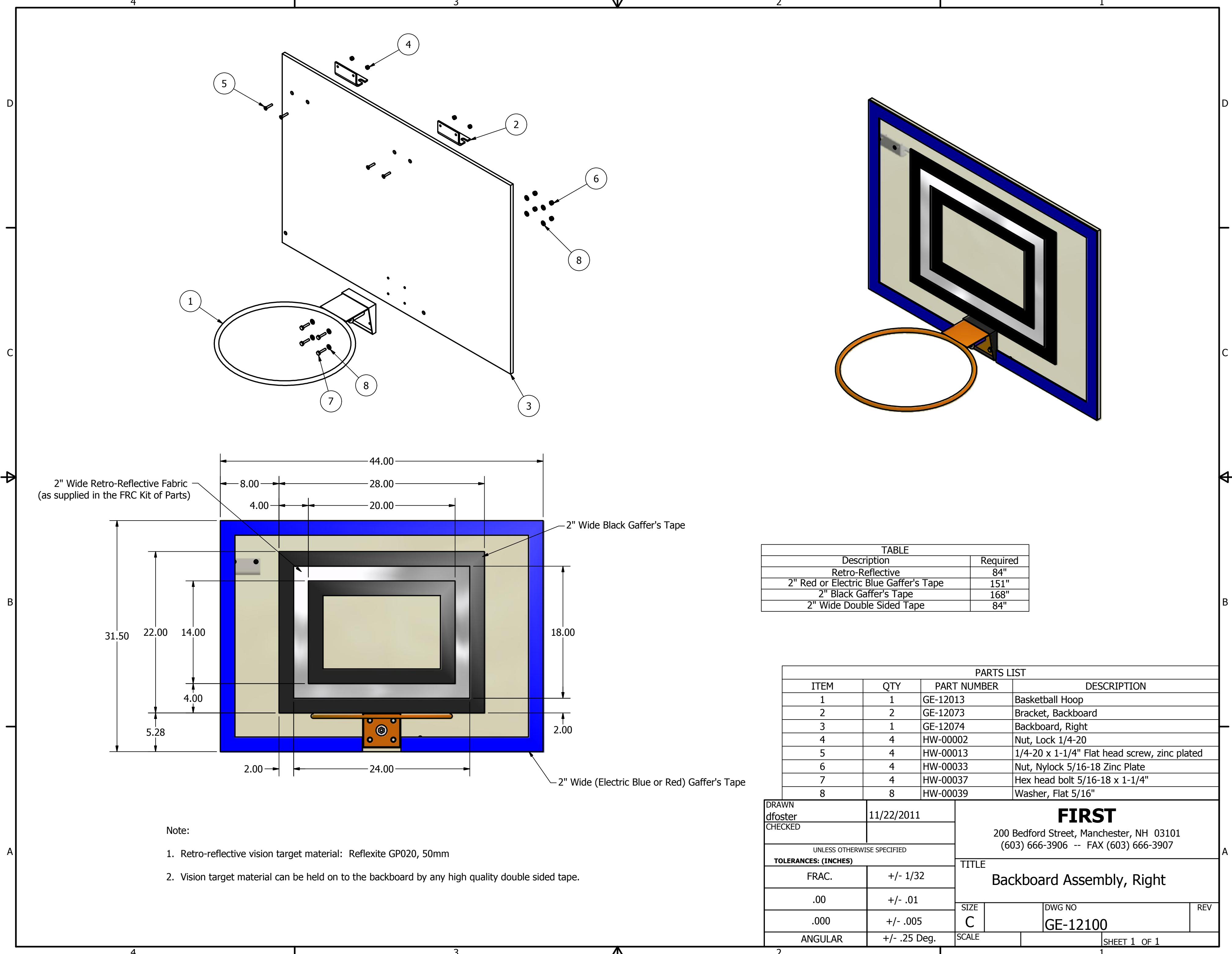
1. Retro-reflective vision target material: Reflexite GP020, 50mm
 2. Vision target material can be held on to the backboard by any high quality double sided tape.

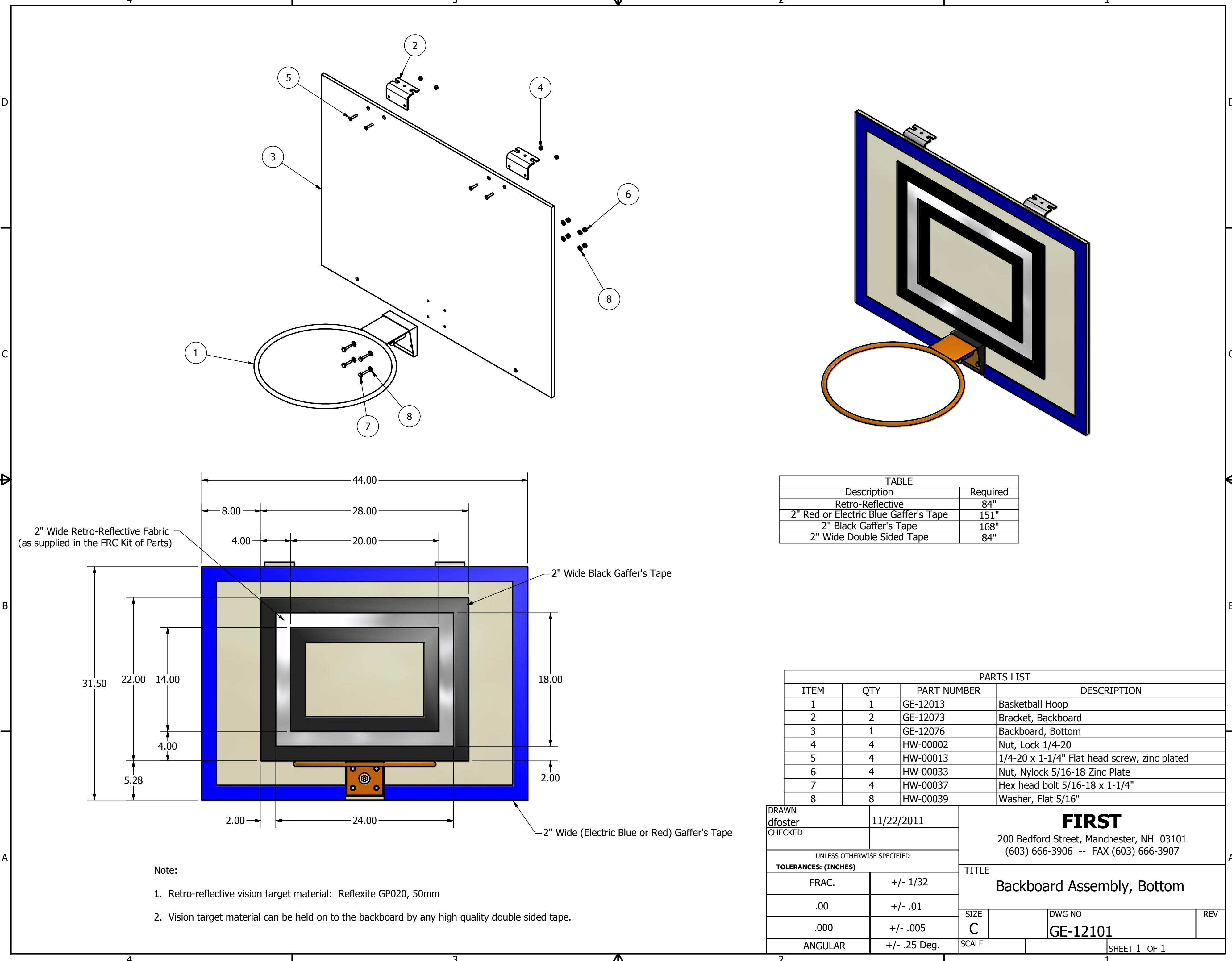
FIRST

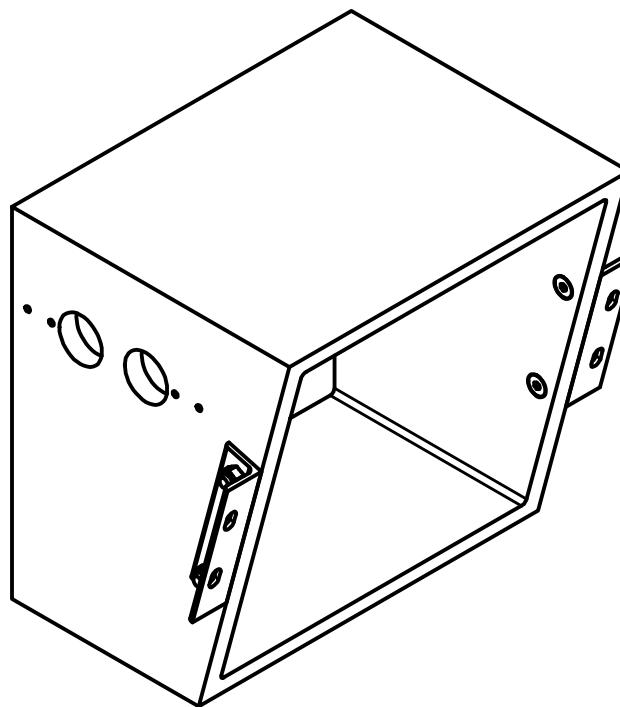
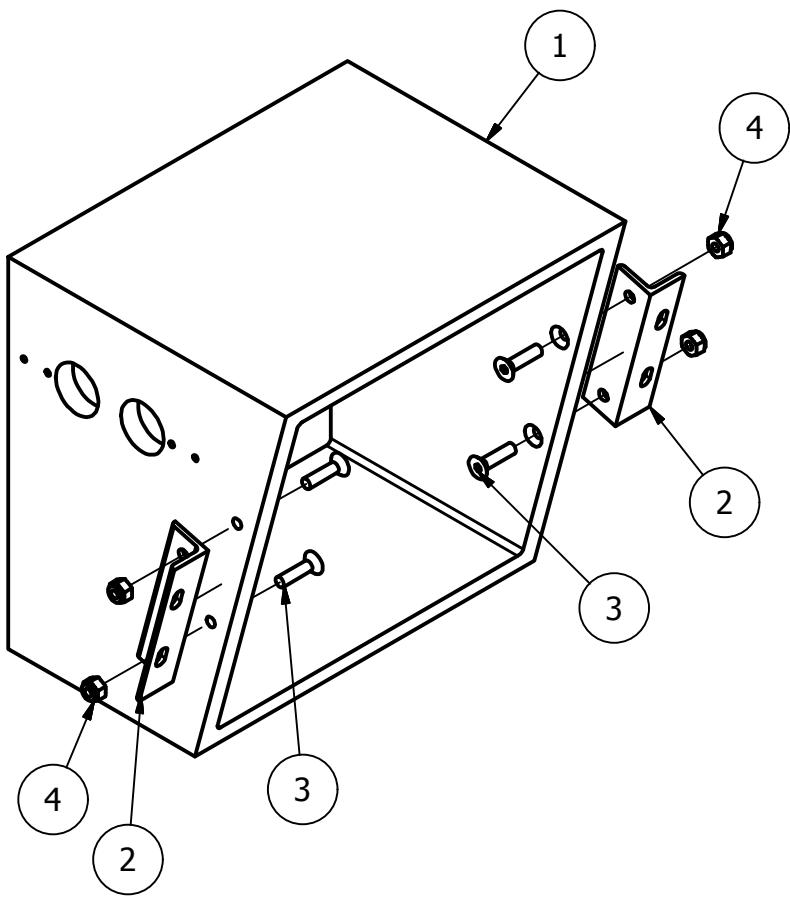
Backboard Assembly, Top

8	8	HW-00039	Washer, Flat 5/16	
DRAWN dfoster	11/22/2011	FIRST 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
CHECKED				
UNLESS OTHERWISE SPECIFIED				
TOLERANCES: (INCHES)		TITLE Backboard Assembly, Top		
FRAC.	+/- 1/32			
.00	+/- .01	SIZE C	DWG NO GE-12098	REV
.000	+/- .005			
ANGULAR	+/- .25 Deg.	SCALE		SHEET 1 OF 1







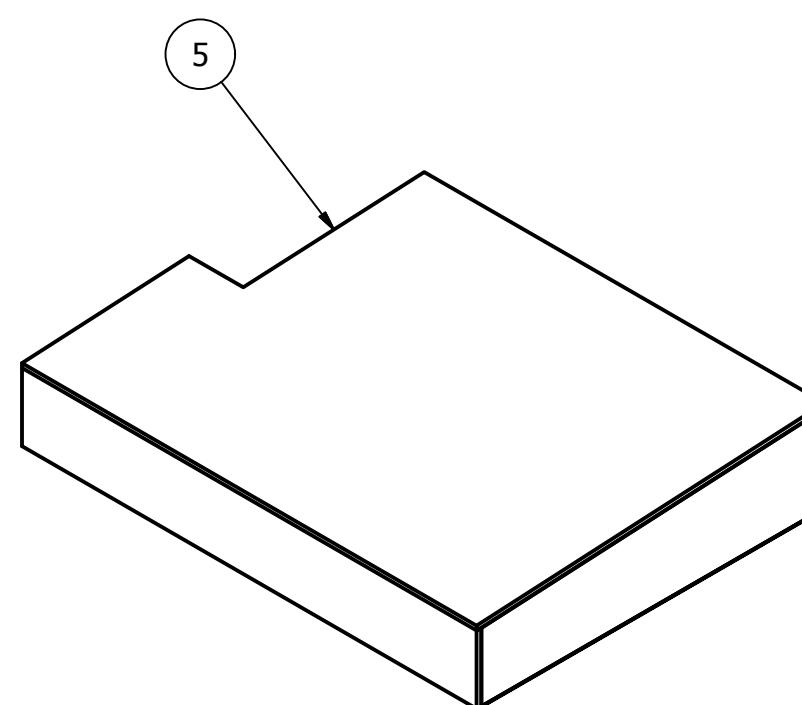
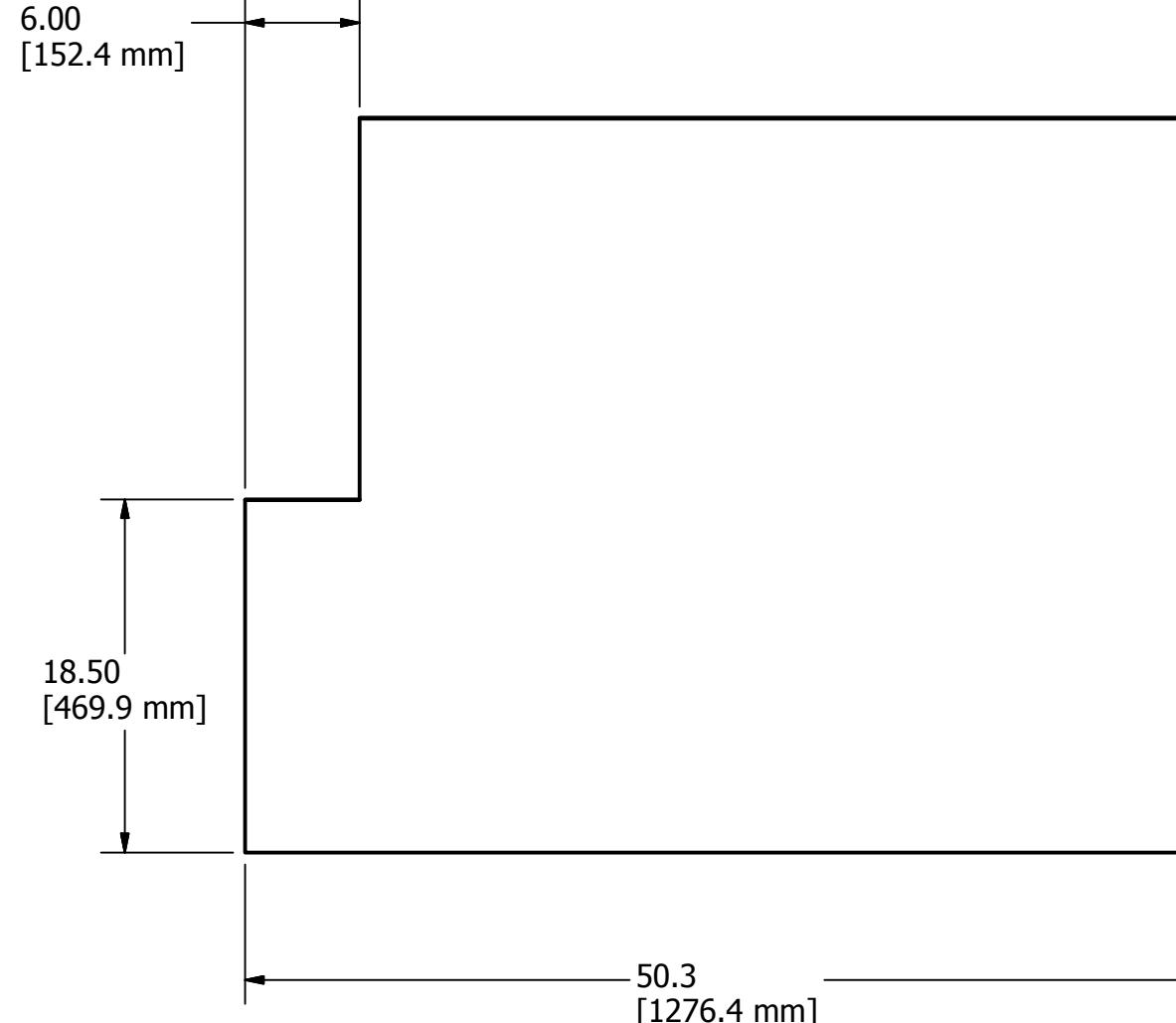


PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	GE-12059	Sensor Box
2	2	GE-12102	Angle, Sensor Bracket
3	4	HW-00074	FHCS 1/4-20 x 1"
4	4	HW-00002	Nut, Lock 1/4-20

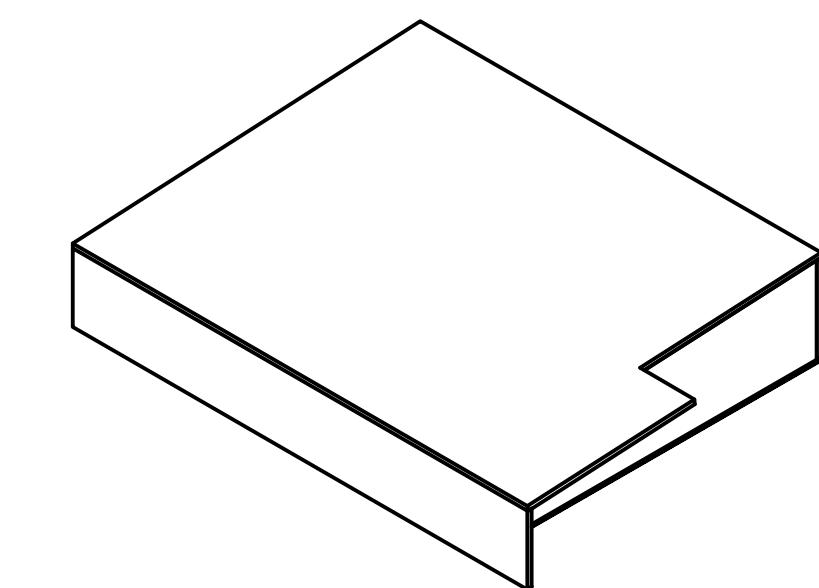
DRAWN dfoster	11/20/2011	200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907	
CHECKED			
UNLESS OTHERWISE SPECIFIED			
TOLERANCES: (INCHES)			
FRAC.	+/- 1/32		
.00	+/- .01		
.000	+/- .005		
ANGULAR	+/- .25 Deg.		
SIZE B	DWG NO GE-12102	REV	
SCALE			
SHEET 1 OF 1			

4 3 2 1

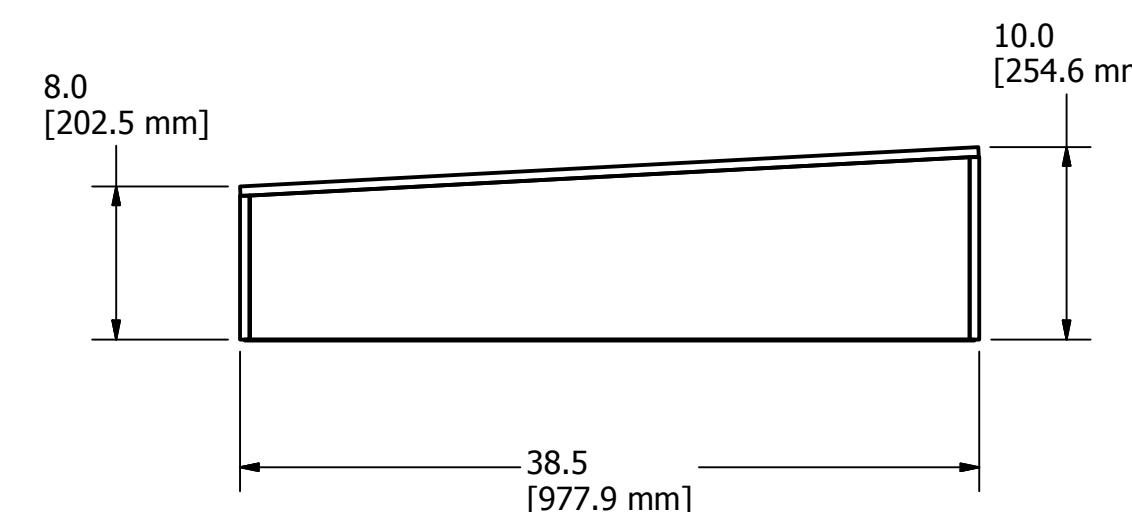
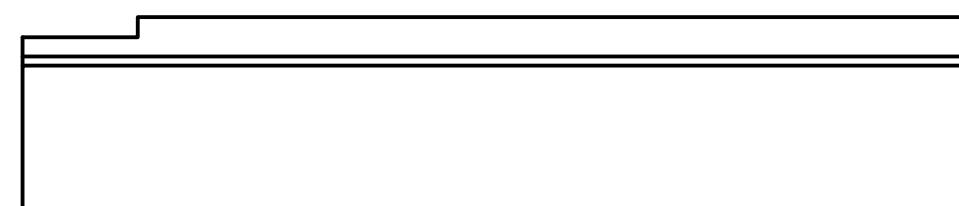
REVISION HISTORY				
ZONE	REV	DESCRIPTION	DATE	APPROVED
Sheet 3, D-2	1	Added cutout to item 4	1/4/2012	DAF



Right Side Version



Left Side Version



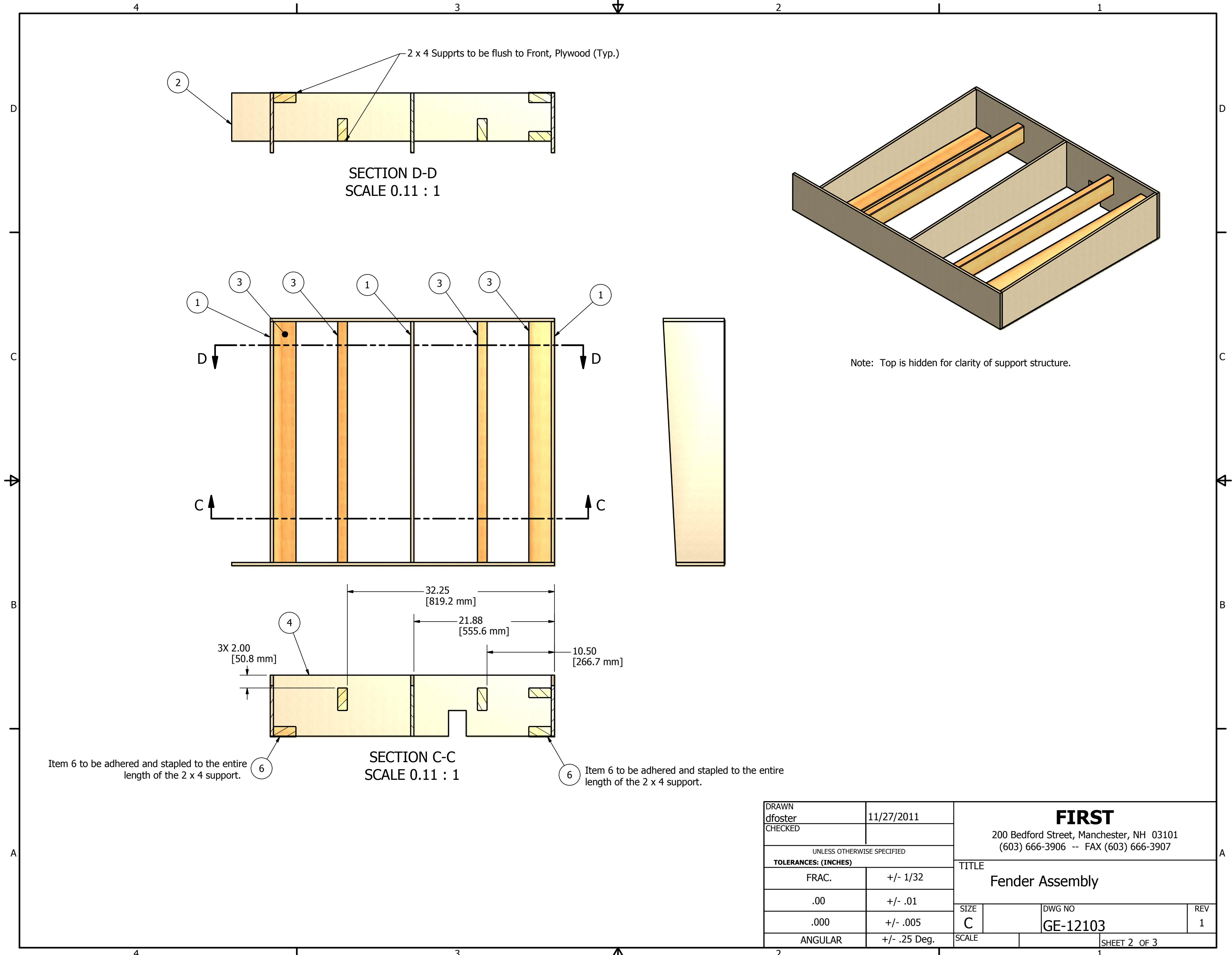
Resources		
Number	Description	Qty.
1	1/2 thick Plywood	1 Sheet
2	2" x 4" x 8' Pine Lumber	3

Notes:

1. Use glue and wood screws as required for assembly.

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	3	GE-12103-01	Side, Plywood
2	1	GE-12103-02	Front, Plywood
3	5	GE-12103-03	Brace, 2x4
4	1	GE-12103-04	Back, Plywood
5	1	GE-12103-05	Top, Plywood
6	2	GE-12103-06	4" Hook Velcro, Adhesive Backed

DRAWN dfoster	11/27/2011	FIRST 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907	
CHECKED			
UNLESS OTHERWISE SPECIFIED			
TOLERANCES: (INCHES)			
FRAC.	+/- .1/32		
.00	+/- .01		
.000	+/- .005		
ANGULAR	+/- .25 Deg.	SCALE	
		DWG NO	
		GE-12103	
		REV	
		1	
SHEET 1 OF 3			



4

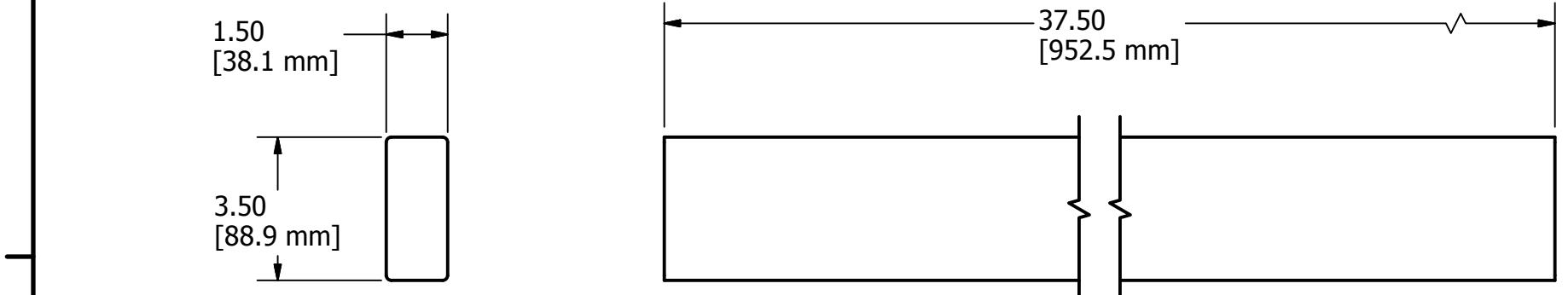
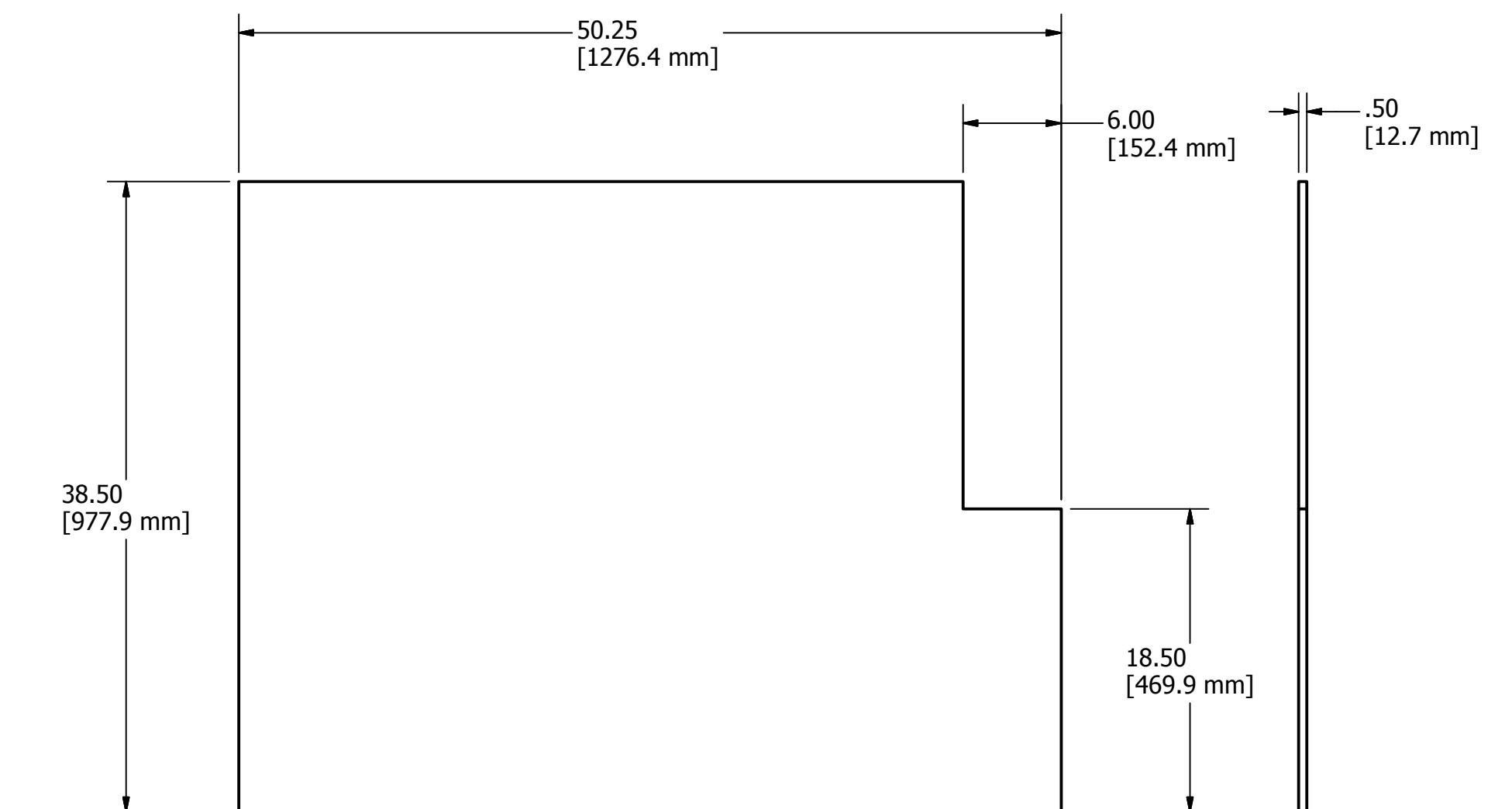
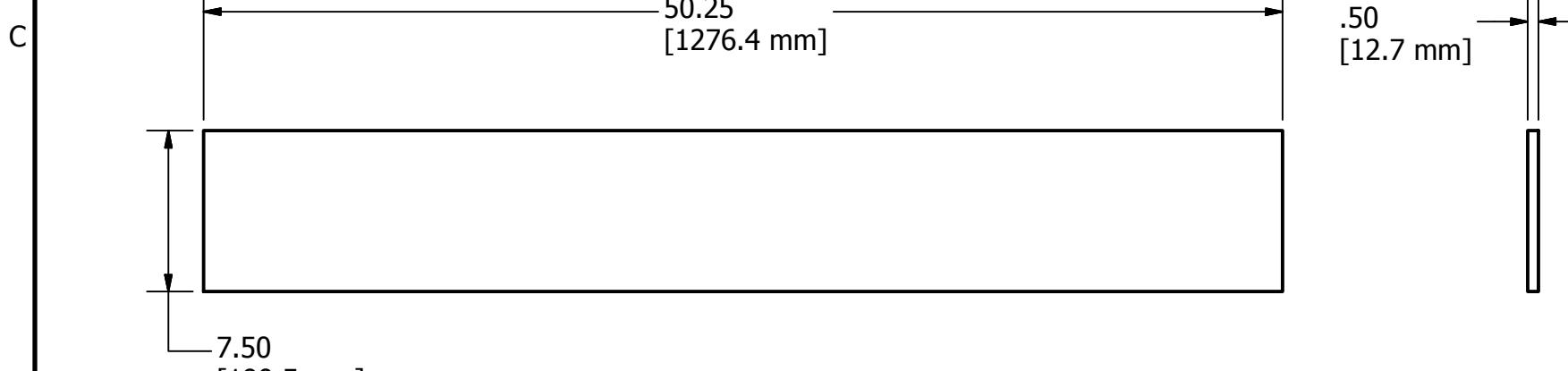
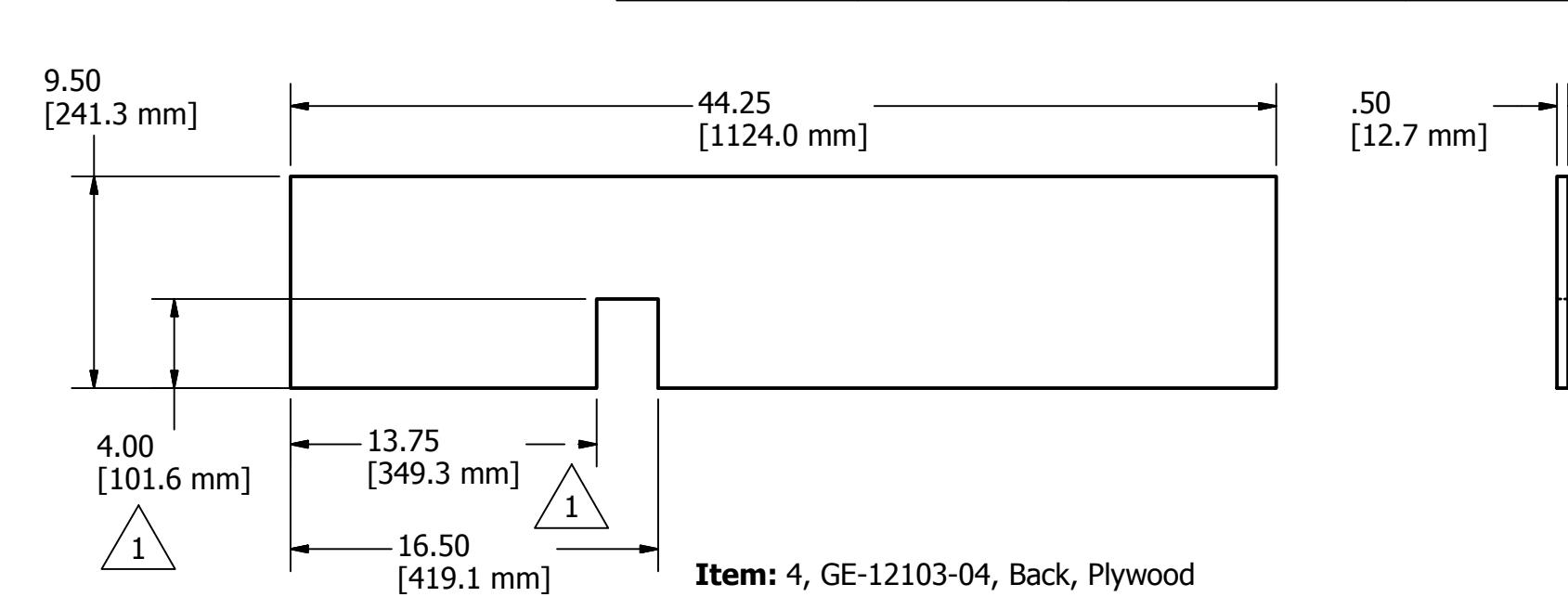
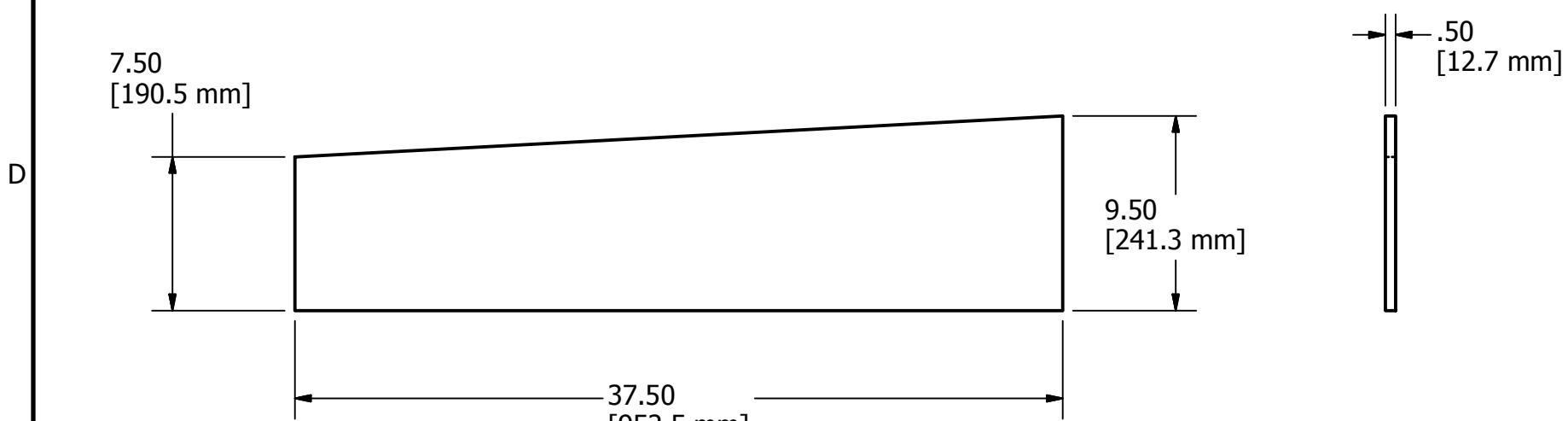
3

2

1

REVISION HISTORY

ZONE	REV	DESCRIPTION	DATE	APPROVED
Sheet 3, D-2	1	Added cutout to item 4	1/4/2012	DAF



DRAWN dfoster	11/27/2011	FIRST					
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907					
UNLESS OTHERWISE SPECIFIED							
TOLERANCES: (INCHES)							
FRAC.	+/- 1/32	TITLE					
.00	+/- .01	Fender Assembly					
.000	+/- .005	SIZE	DWG NO	REV			
ANGULAR	+/- .25 Deg.	C	GE-12103	1			
SCALE							
SHEET 3 OF 3							

4

I

3

4

2

I

1

B

B

Manufacturer: On Deck Sports

Description: #30 Nylon LAX Custom Netting Panel with rope border around the entire perimeter - Black - twisted knotted nylon

Overall Size : 22' 2" x 48"

Part Number: #SNCUSNP-30L-B

Sold at: www.ondecksports.com

4

3

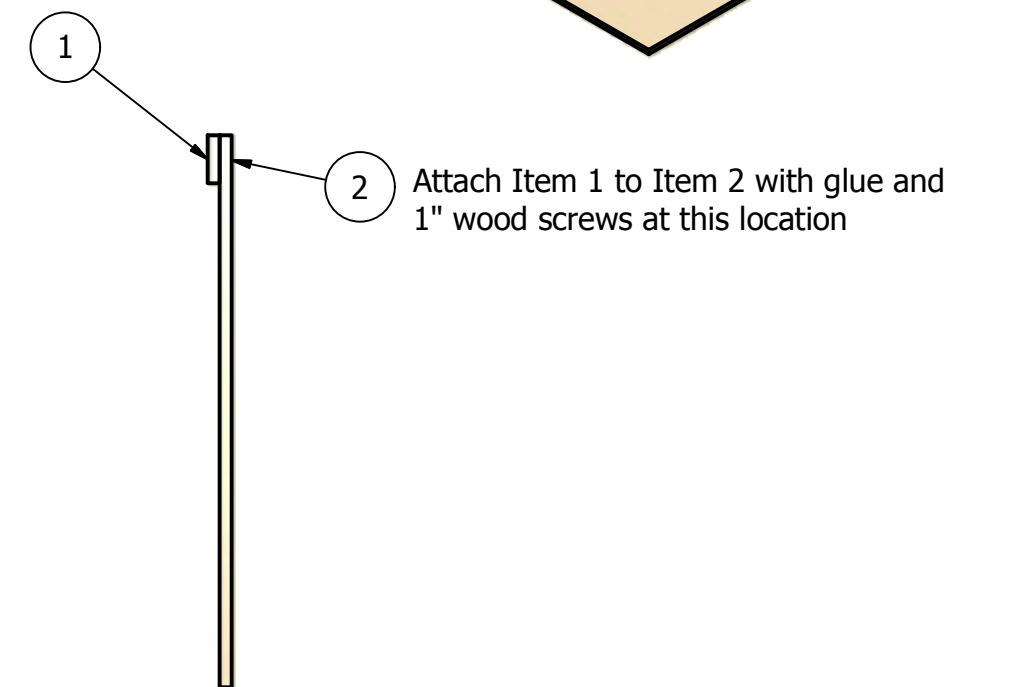
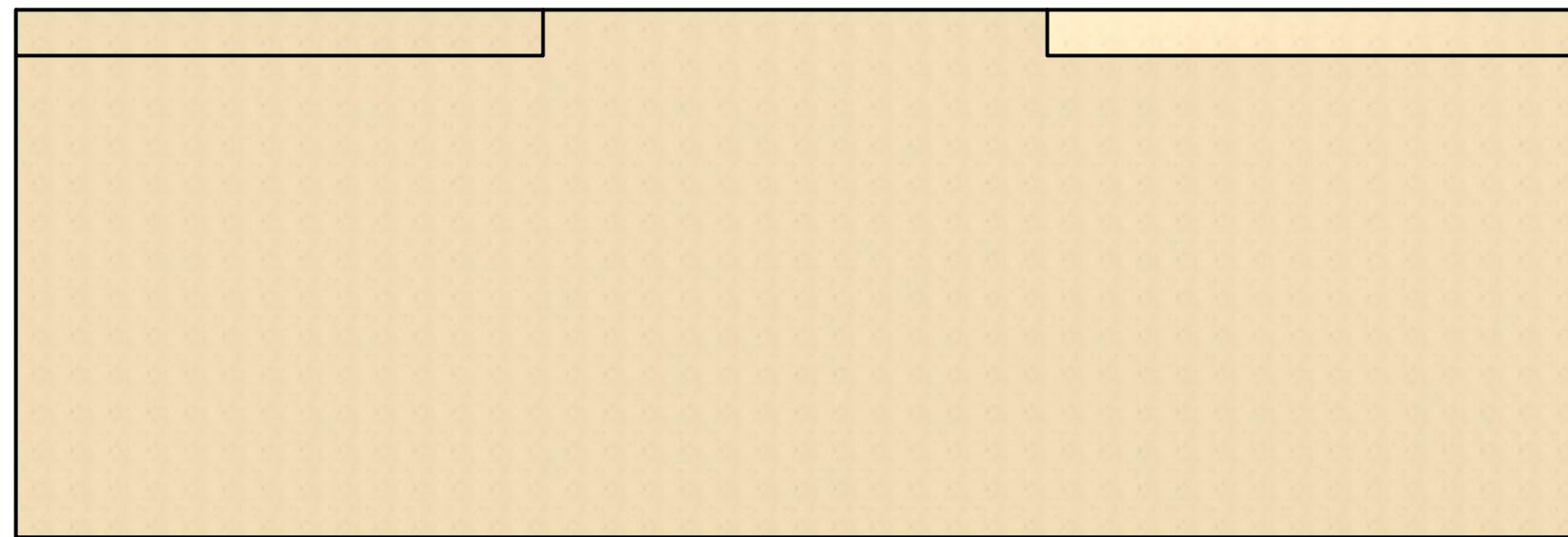
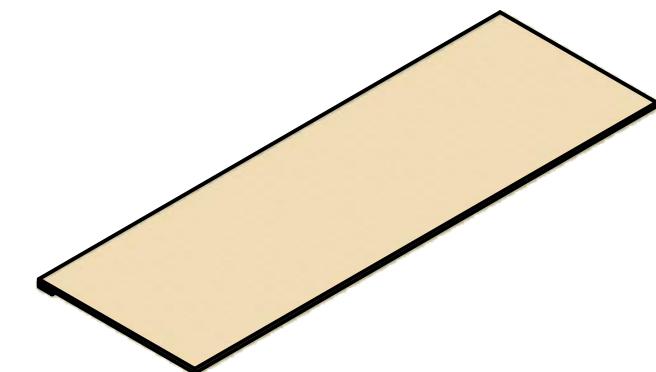
4

2

I

1

DRAWN dfoster	11/28/2011	FIRST					
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907					
UNLESS OTHERWISE SPECIFIED							
TOLERANCES: (INCHES)							
FRAC.	+/- 1/32	TITLE					
.00	+/- .01	Net, End Panel					
.000	+/- .005	SIZE	DWG NO	REV			
ANGULAR	+/- .25 Deg.	B	GE-12104				
		SCALE		SHEET 1 OF 1			

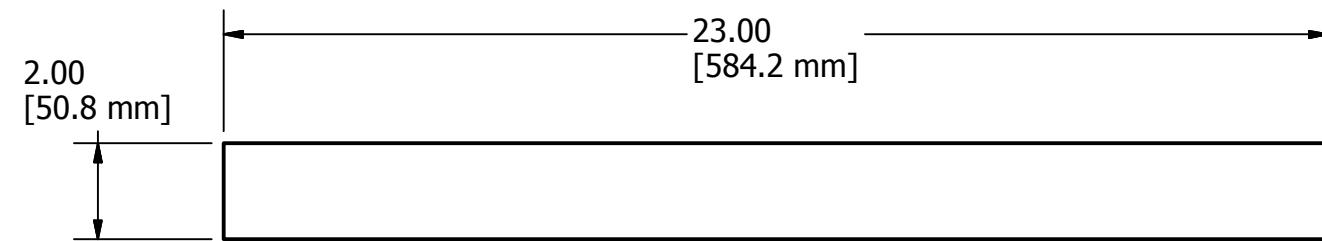


Resources		
Number	Description	Qty
1	1/2" Plywood	1 sheet
2	Wood Screws, 1" long	8
3	Wood Glue	AR

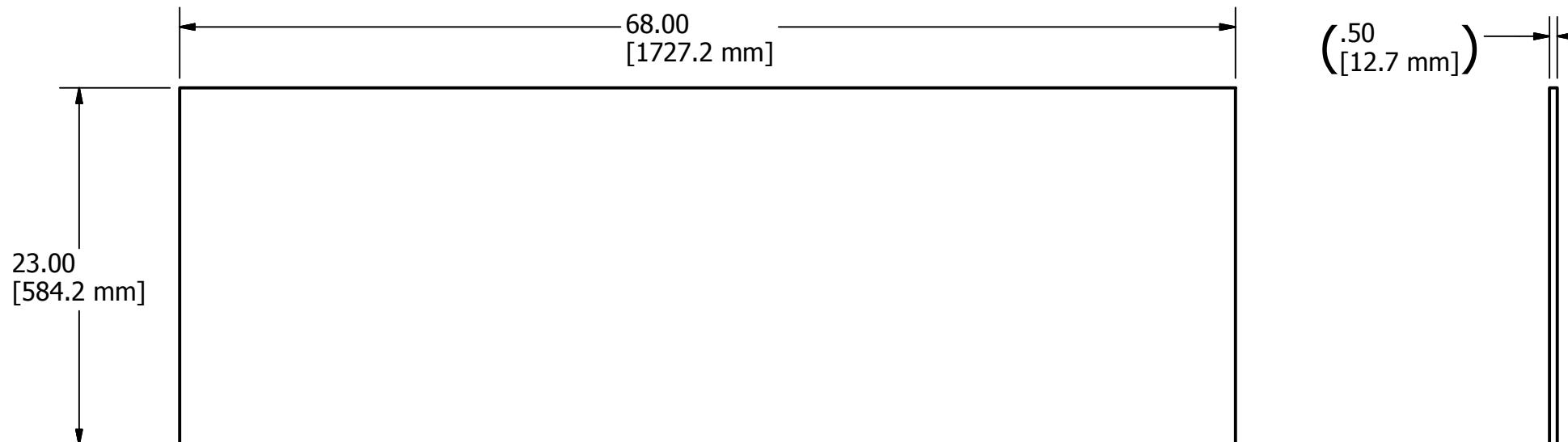
Notes:

1. Part to be painted red or blue to match field end color.
2. One sheet of plywood will make two ramps.

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	GE-12105-01	Spacer, Ball Corral
2	1	GE-12105-02	Ramp, Ball Corral
DRAWN dfoster 1/4/2012 CHECKED UNLESS OTHERWISE SPECIFIED TOLERANCES: (INCHES) FRAC. +/- 1/32 .00 +/- .01 .000 +/- .005 ANGULAR +/- .25 Deg. SCALE SIZE DWG NO B GE-12105 REV SHEET 1 OF 2			



Item: 1, GE-12105-01, Spacer, Ball Corral
Resource: 1
Scale: 1:4
Quantity: 2

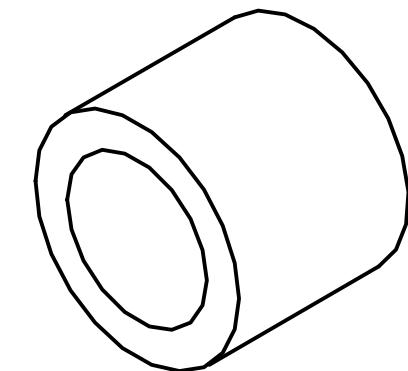
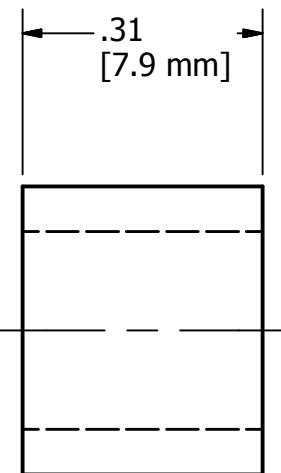
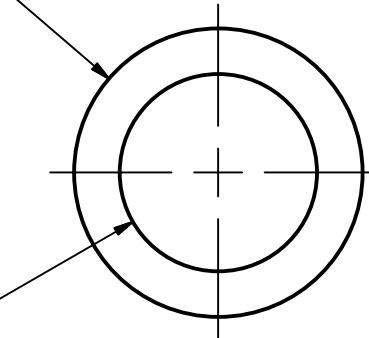


Item: 2, GE-12105-02, Ramp, Ball Corra
Resource: 1
Scale: 1:10
Quantity: 1

DRAWN dfoster	1/4/2012	200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
CHECKED				
UNLESS OTHERWISE SPECIFIED				
TOLERANCES: (INCHES)		TITLE Corral Ramp		
FRAC.	+/- 1/32			
.00	+/- .01	SIZE B	DWG NO GE-12105	REV
.000	+/- .005			
ANGULAR	+/- .25 Deg.	SCALE		SHEET 2 OF 2

$\phi .38$
[9.5 mm]

$\phi .26$
[6.5 mm]



Notes:

1. Purchase at www.aluminum-spacers.com, part number #AS38-14-20
2. Material: 6061-T6 Aluminum

DRAWN
dfoster
CHECKED

11/20/2011

UNLESS OTHERWISE SPECIFIED

TOLERANCES: (INCHES)

FRAC. $+\/- 1/32$

.00 $+\/- .01$

.000 $+\/- .005$

ANGULAR $+\/- .25$ Deg.

FIRST

200 Bedford Street, Manchester, NH 03101
(603) 666-3906 -- FAX (603) 666-3907

TITLE

Spacer, Aluminum

SIZE

B

DWG NO

PP-00043

REV

SHEET 1 OF 1

4

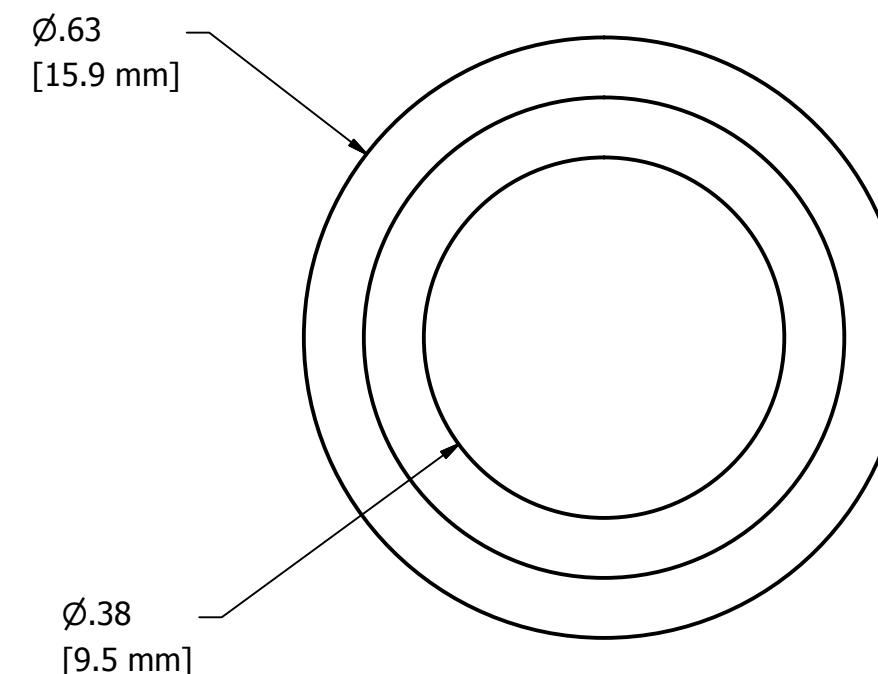
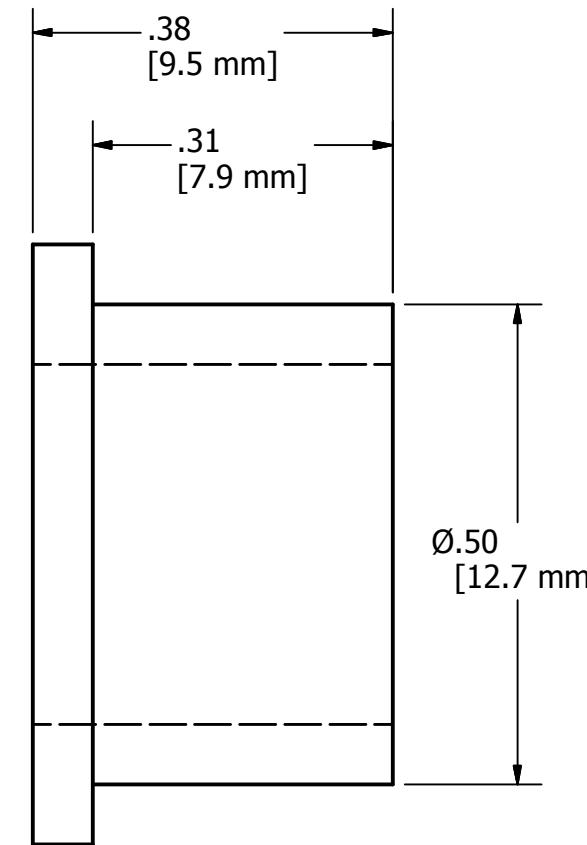
3

2

1

B

B



Notes:

Manufacturer: Igus
 Part number: MFI-0608-06
 Description: M250 Flange Bearing, 3/8 shaft size, 3/8" Length,
 1/2 housing bore.

DRAWN dfoster	11/28/2011	FIRST					
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907					
UNLESS OTHERWISE SPECIFIED							
TOLERANCES: (INCHES)							
FRAC.	+/- 1/32	TITLE					
.00	+/- .01	Bearing, Flange					
.000	+/- .005	SIZE	DWG NO	REV			
ANGULAR	+/- .25 Deg.	B	PP-00065				
SCALE				SHEET 1 OF 1			

4

3

2

1

4