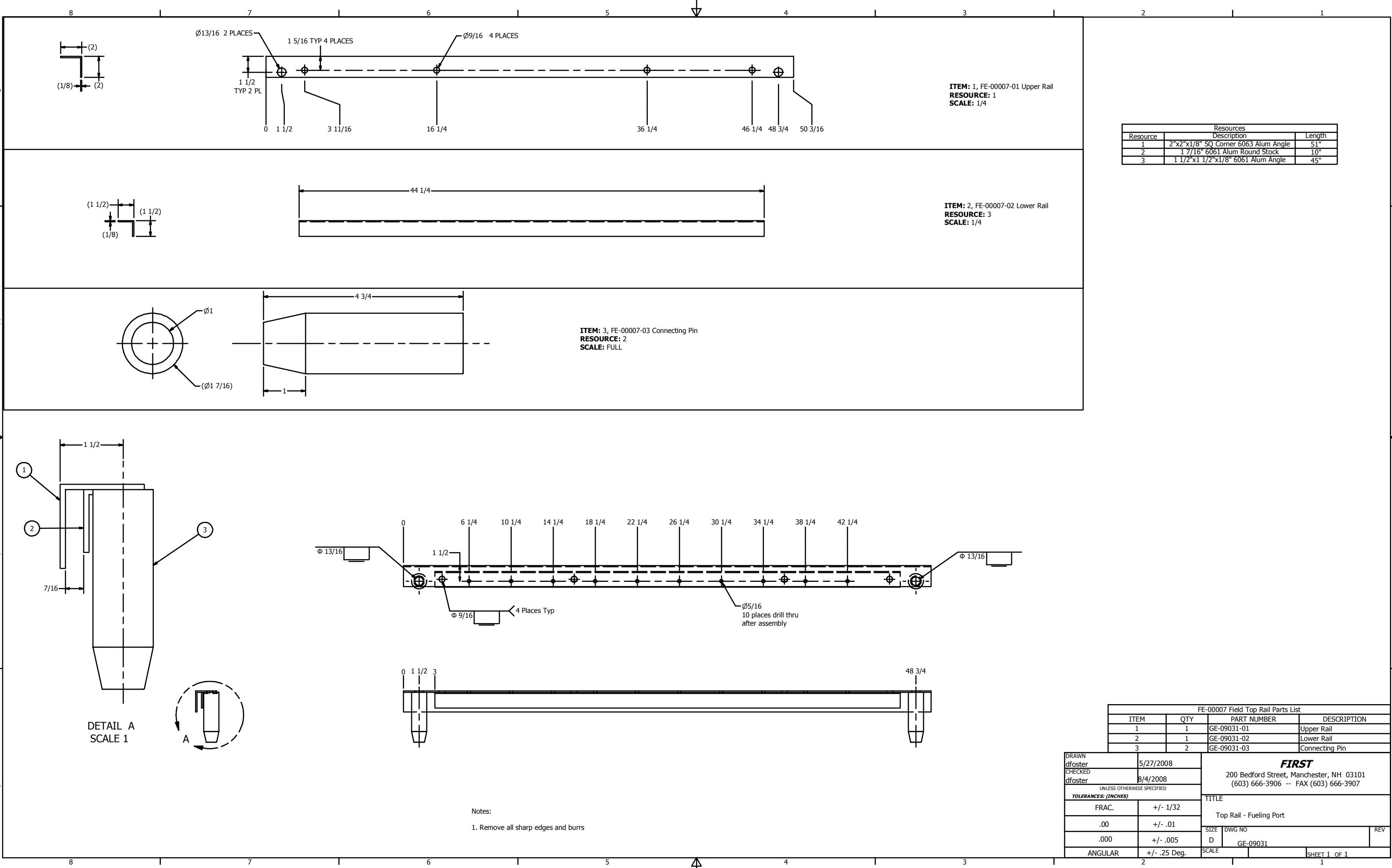


Note:  
1.) Material 1/4" Polycarbonate

DRAWN mcyr	10/27/2008	FIRST					
CHECKED dfoster	11/19/2008	200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907					
UNLESS OTHERWISE SPECIFIED							
TOLERANCES: (INCHES)							
FRAC.	+/- 1/32	TITLE					
.00	+/- .01	Fueling Port Rear Plastic					
.000	+/- .005	SIZE	DWG NO	REV			
ANGULAR	+/- .25 Deg.	B	GE-09023				
SCALE			SHEET 1 OF 1				



4

3

2

1

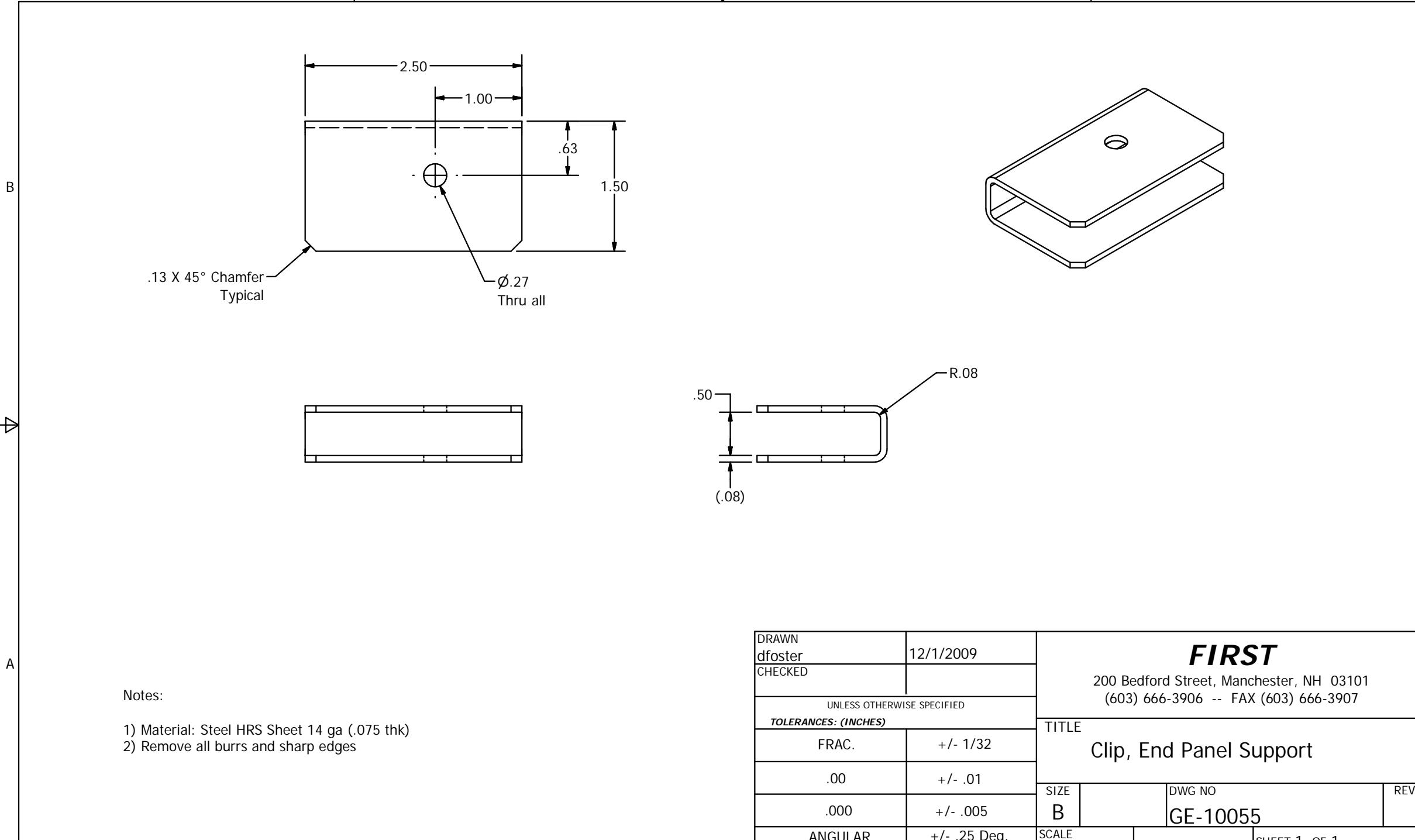
4

4

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1



DRAWN  
dfoster  
CHECKED

UNLESS OTHERWISE SPECIFIED

**TOLERANCES: (INCHES)**

FRAC.	+/- 1/32
-------	----------

.00	+/- .01
-----	---------

.000	+/- .005
------	----------

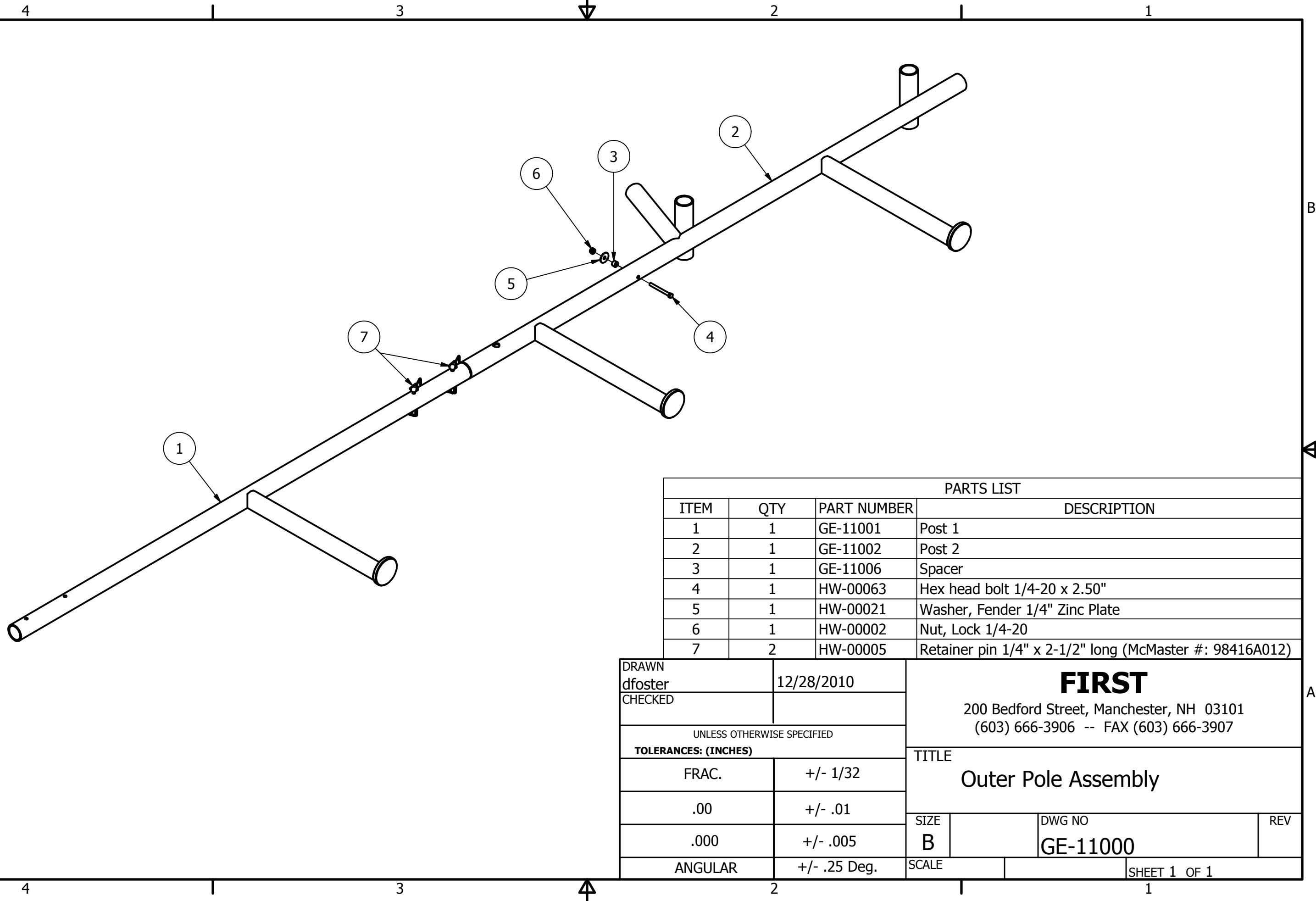
ANGULAR	+/- .25 Deg.
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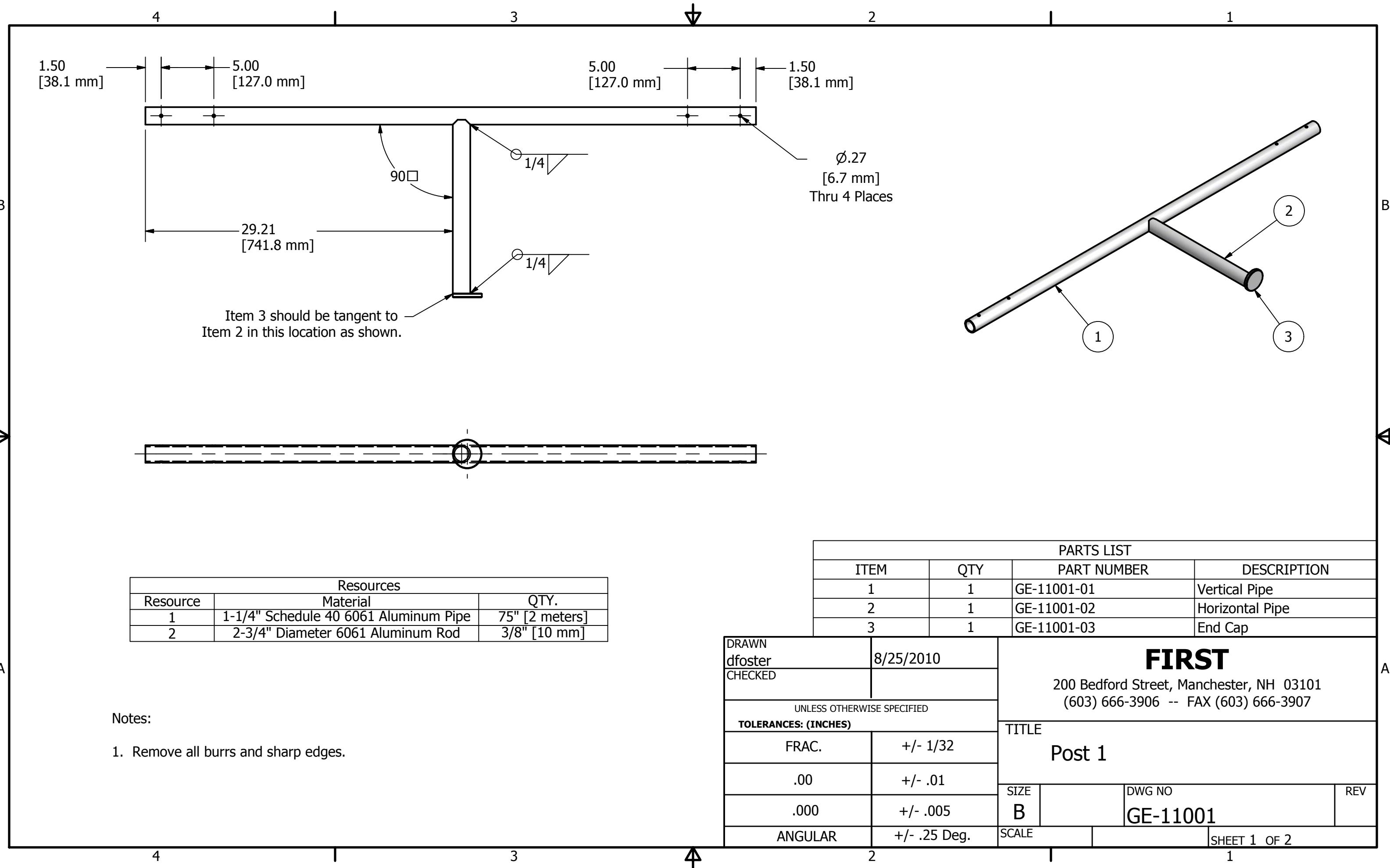
**FIRST**

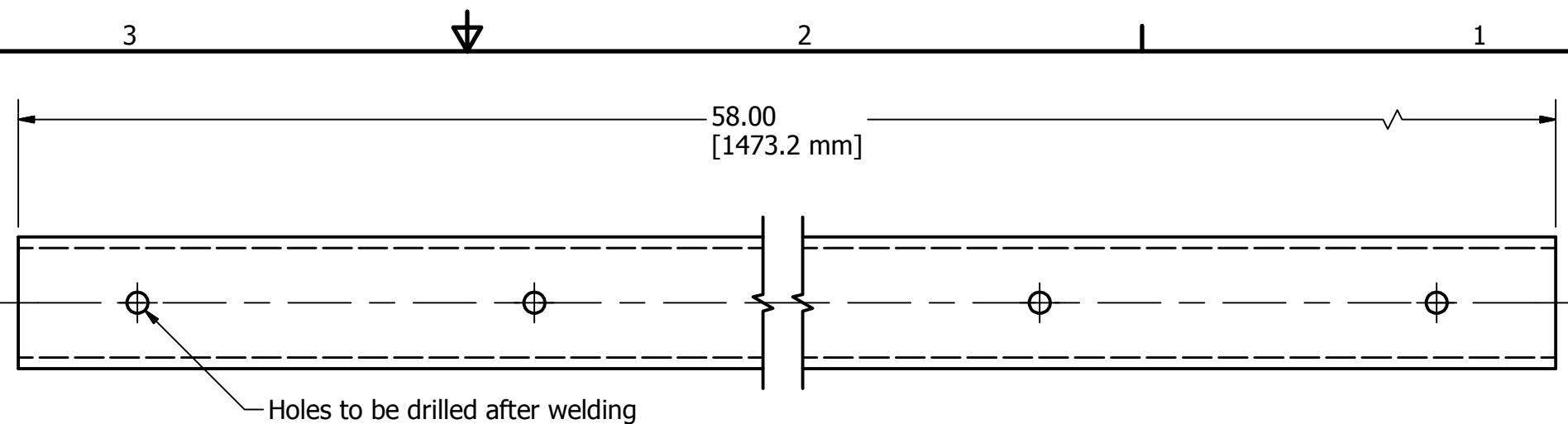
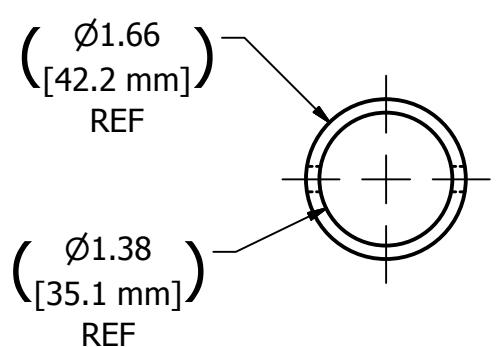
200 Bedford Street, Manchester, NH 03101  
(603) 666-3906 -- FAX (603) 666-3907

**TITLE**  
**Clip, End Panel Support**

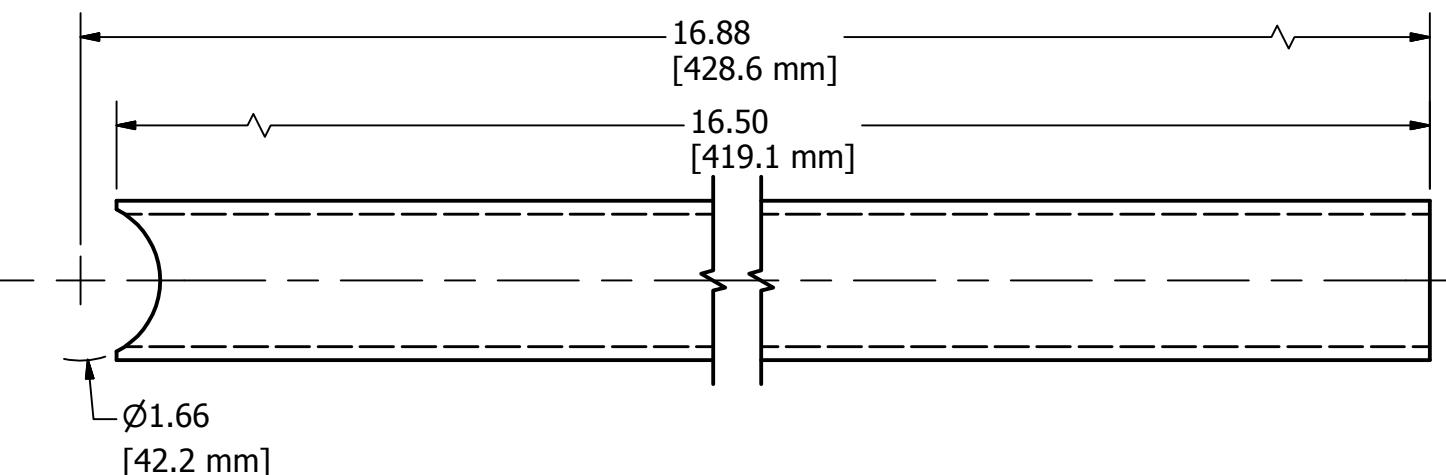
SIZE <b>B</b>	DWG NO <b>GE-10055</b>	REV
SCALE	SHEET 1 OF 1	



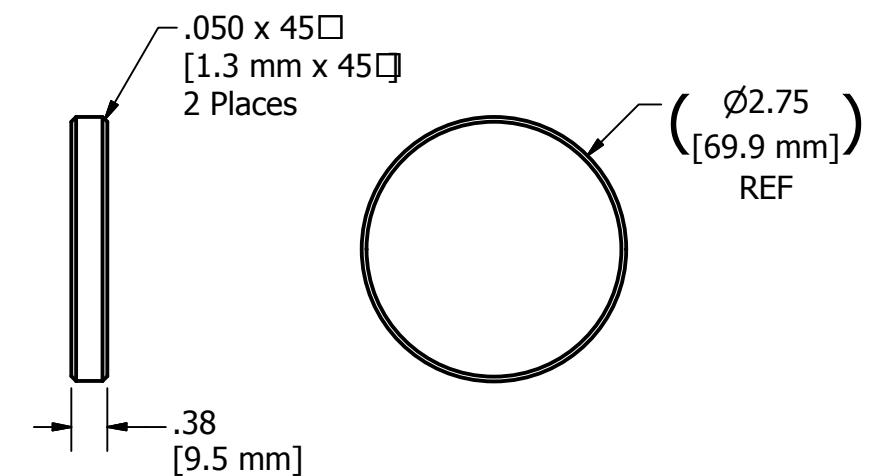
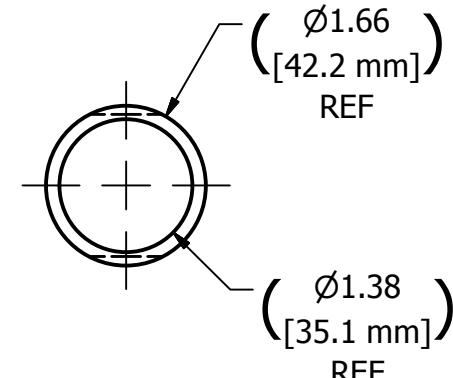




**Item:** 1, GE-11001-01, Vertical Pipe  
**Resource:** 1  
**Scale:** 1/2  
**QTY:** 1

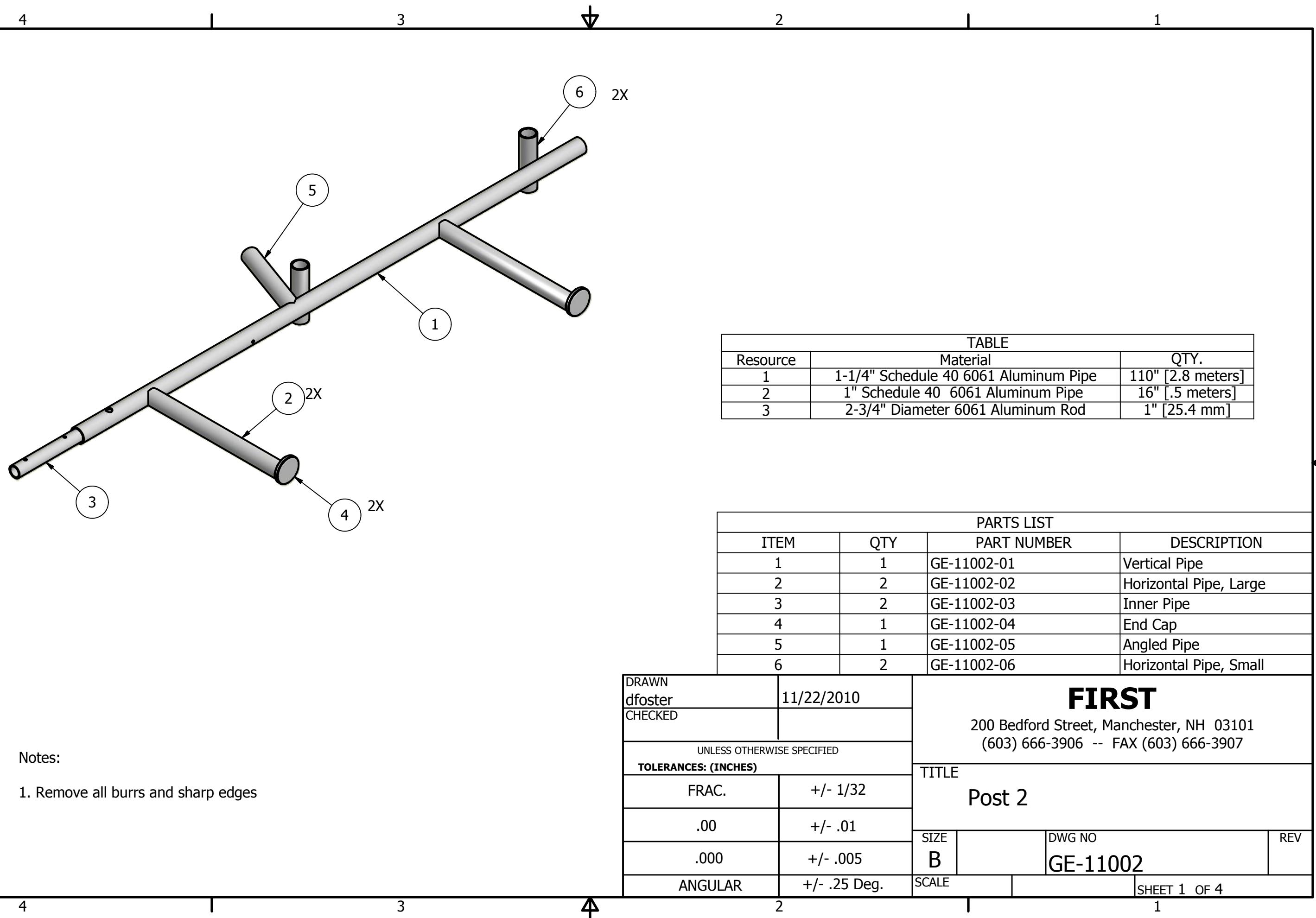


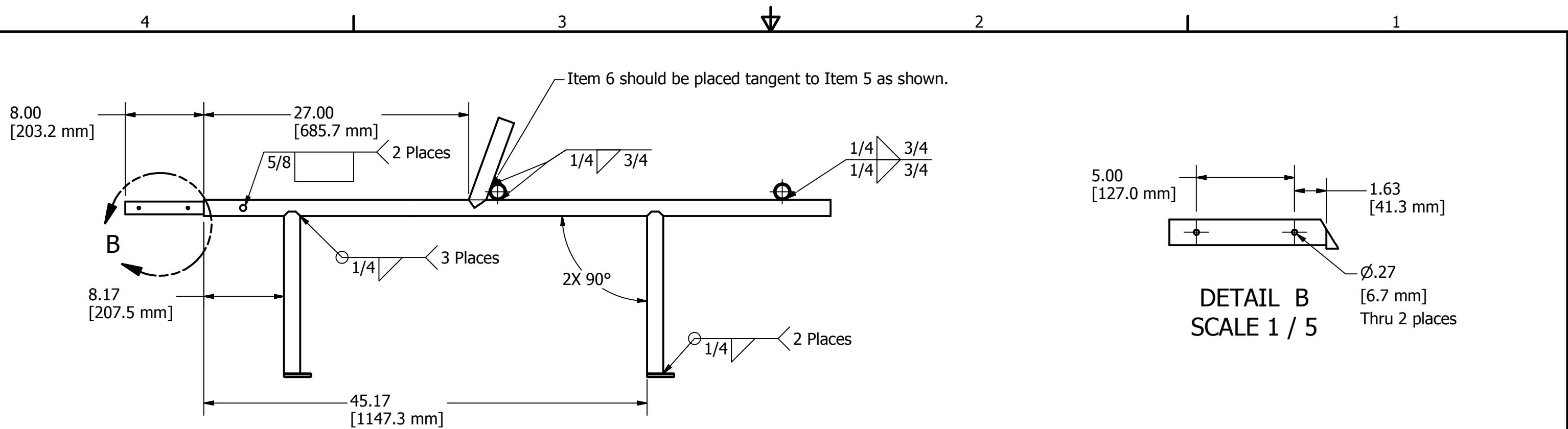
**Item:** 2, GE-11001-02, Horizontal Pipe  
**Resource:** 1  
**Scale:** 1/2  
**QTY:** 1



**Item:** 3, GE-11001-03, End Cap  
**Resource:** 2  
**Scale:** 1/2  
**QTY:** 1

DRAWN dfoster	8/25/2010	<b>FIRST</b>		
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
UNLESS OTHERWISE SPECIFIED				
<b>TOLERANCES: (INCHES)</b>		<b>TITLE</b>		
FRAC.	+/- 1/32	Post 1		
.00	+/- .01	SIZE	DWG NO	REV
.000	+/- .005	B	GE-11001	
ANGULAR	+/- .25 Deg.	SCALE		SHEET 2 OF 2





A technical drawing showing a horizontal beam assembly. The total length of the beam is 21.50 [546.1 mm]. A central hole has a diameter of  $\phi .27$  [6.7 mm] and is labeled "thru". The distance between the centers of the two holes is 29.00 [736.6 mm]. The height of the beam is 3.00 [76.2 mm]. There are two rectangular cutouts on the right side of the beam.

Resources		
Resource	Material	QTY.
1	1-1/2" Schedule 40 6061 Aluminum Pipe	100"
2	1-1/4" Schedule 40 6061 Aluminum Pipe	16"
3	2-3/4" Diameter 6061 Aluminum Rod	1"

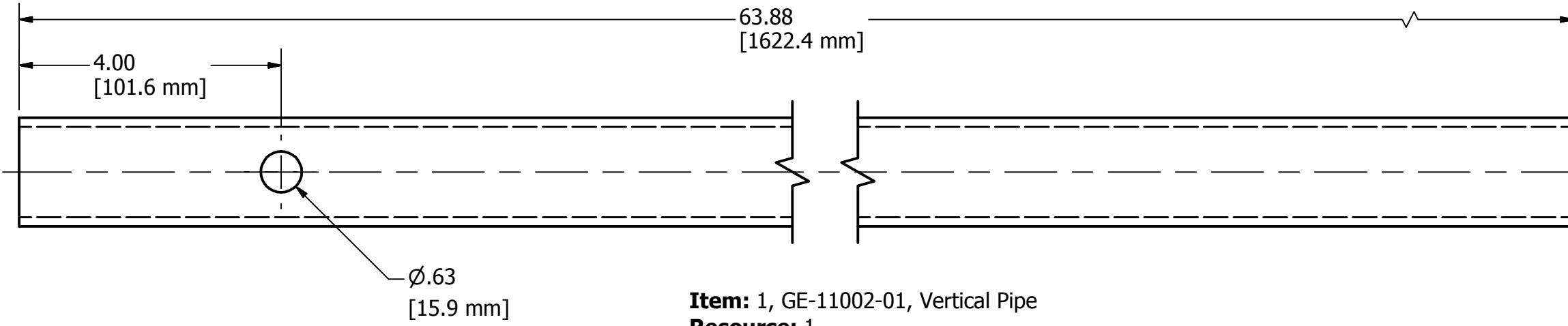
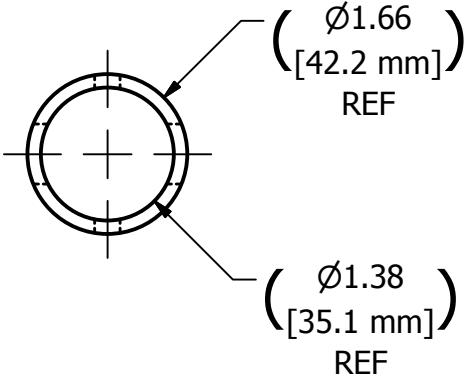
DRAWN dfoster	11/22/2010	<b>FIRST</b> 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
CHECKED				
UNLESS OTHERWISE SPECIFIED				
<b>TOLERANCES: (INCHES)</b>		<b>TITLE</b>  Post 2		
FRAC.	+/- 1/32			
.00	+/- .01	<b>SIZE</b>  B	<b>DWG NO</b>  GE-11002	<b>REV</b>
.000	+/- .005			
ANGULAR	+/- .25 Deg.	SCALE		SHEET 2 OF 4

4

3

2

1

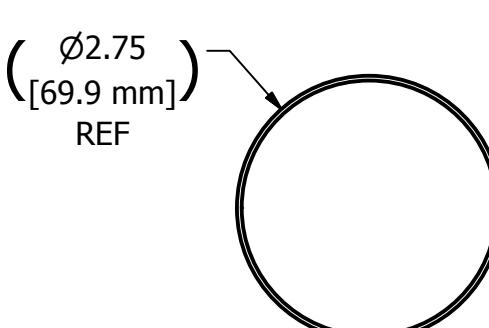


B

B

A

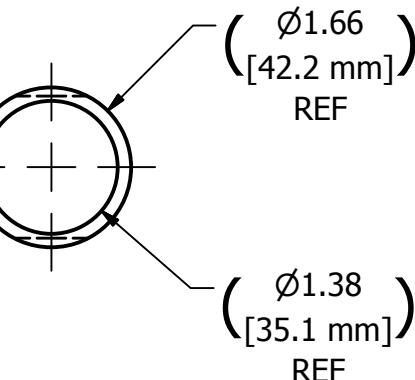
A



**Item:** 1, GE-11002-03, End Cap  
**Resource:** 3  
**Scale:** 1/2  
**QTY:** 2

4

4



**Item:** 1, GE-11002-02, Horizontal Pipe, Large  
**Resource:** 1  
**Scale:** 1/2  
**QTY:** 2

DRAWN  
dfoster

11/22/2010

CHECKED

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**

Post 2

**SIZE**

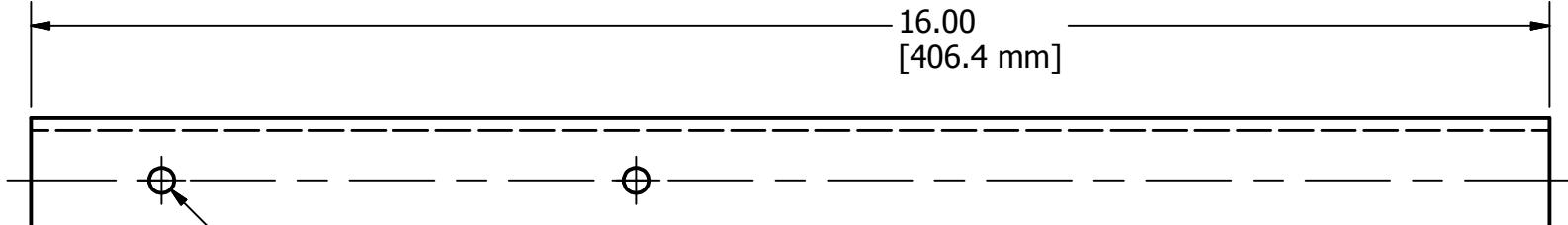
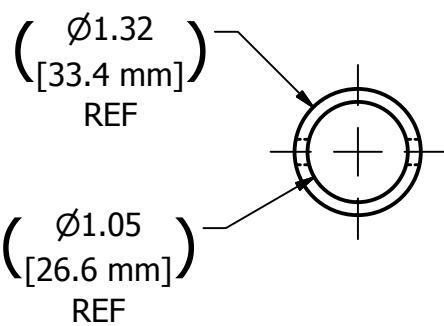
B

DWG NO  
GE-11002

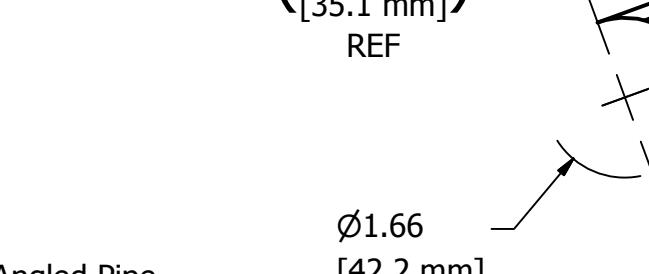
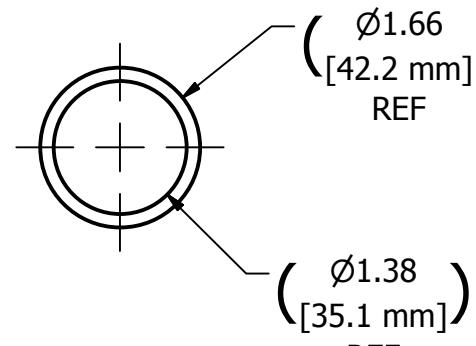
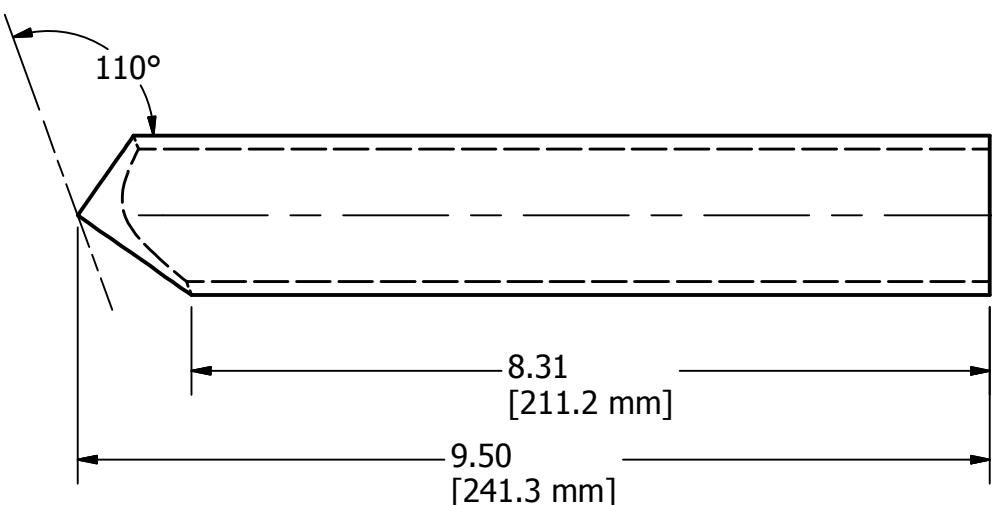
REV

SHEET 3 OF 4

1

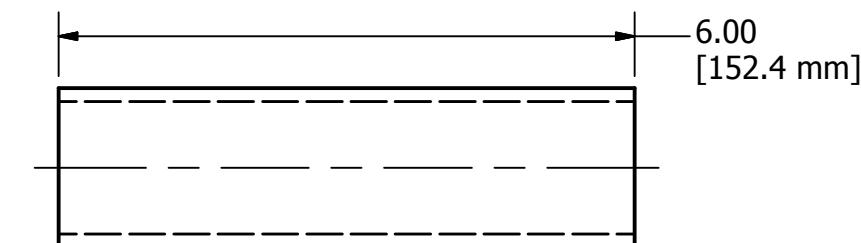
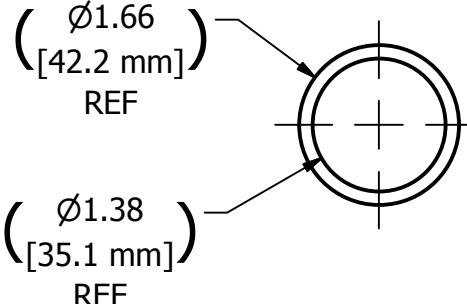


**Item:** 1, GE-11002-04, Inner Pipe  
**Resource:** 2  
**Scale:** 1/2  
**QTY:** 1



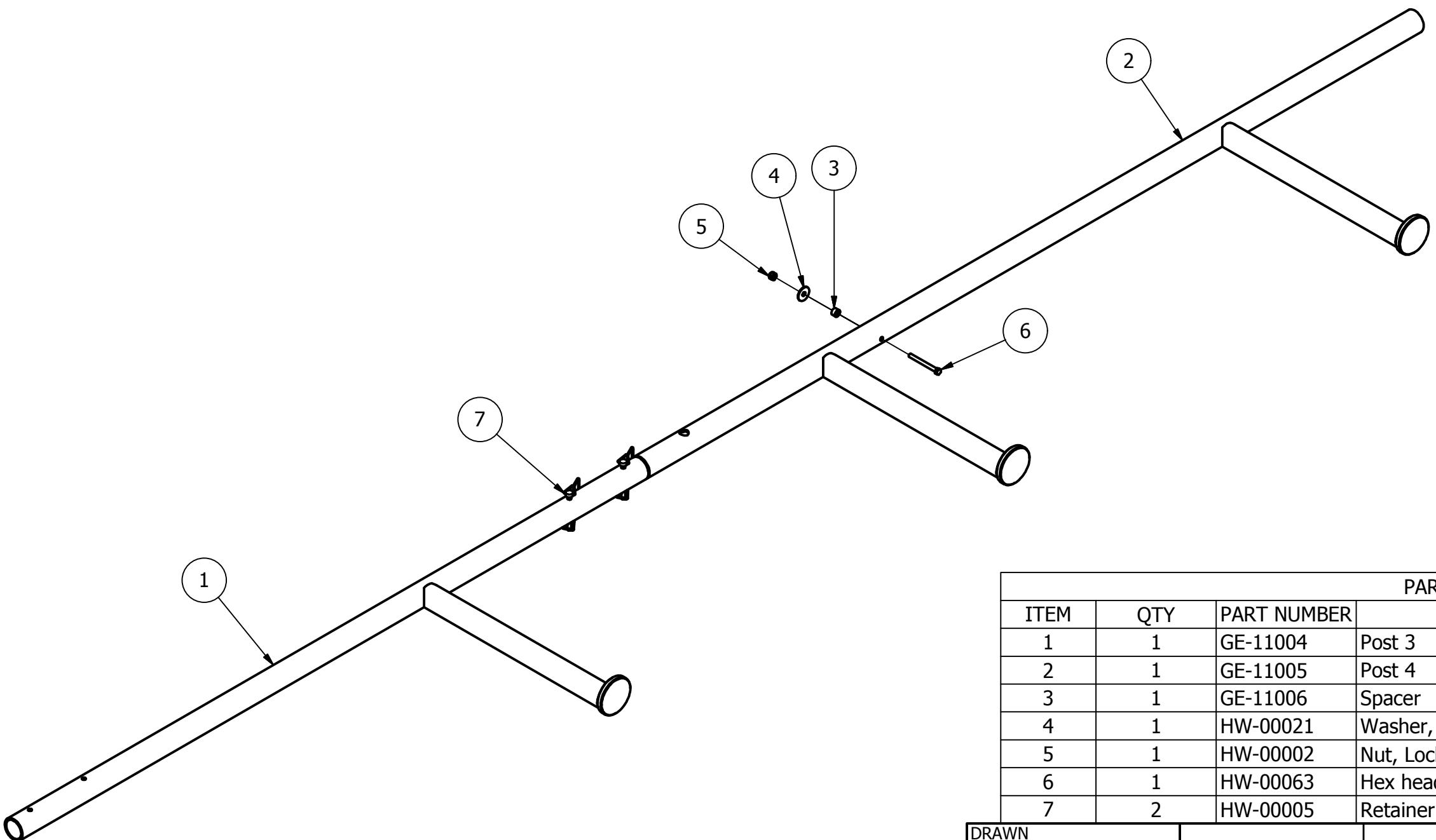
**VIEW A-A**  
**SCALE 1 / 2**

**Item:** 1, GE-11002-05, Angled Pipe  
**Resource:** 1  
**Scale:** 1/2  
**QTY:** 1



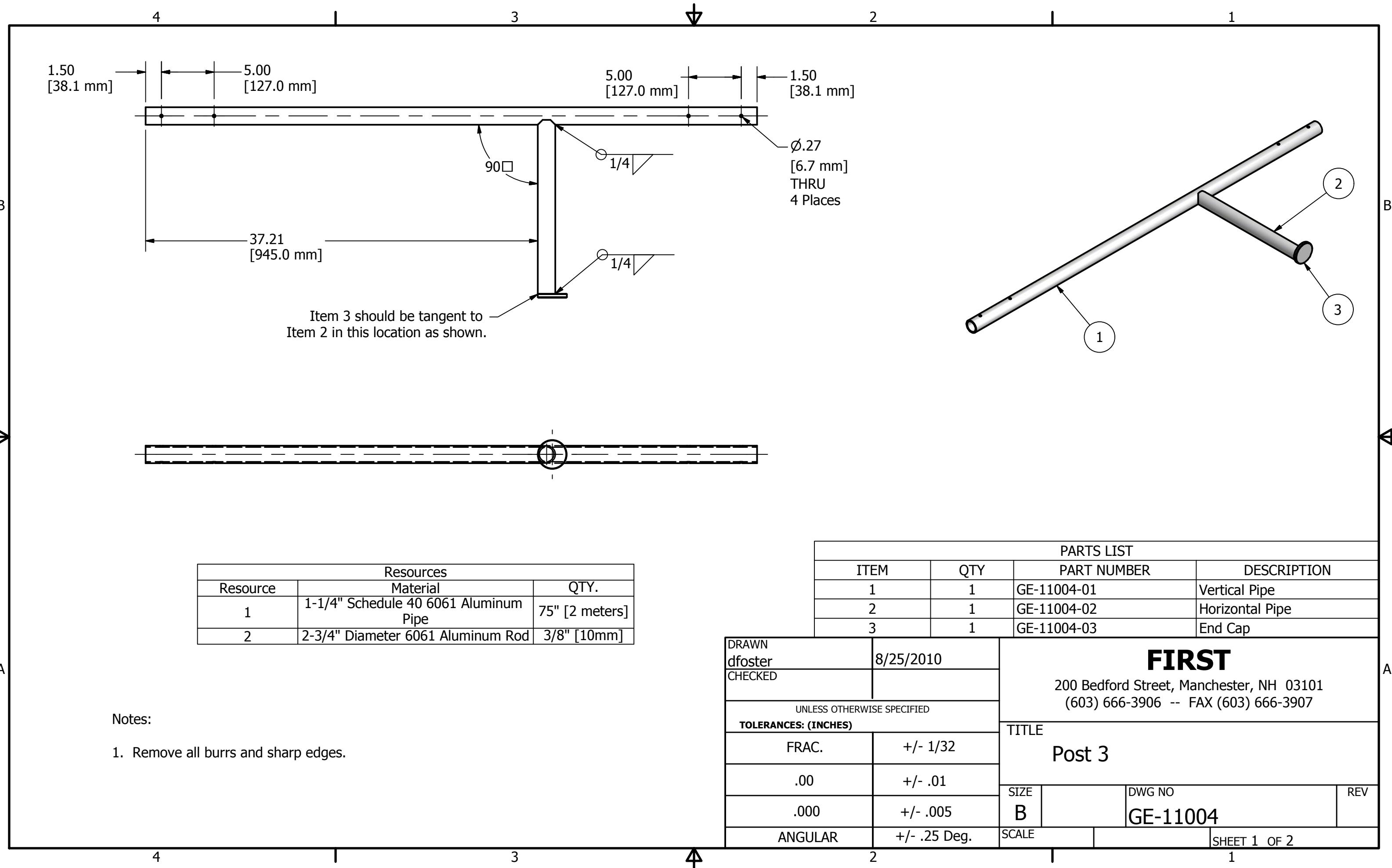
**Item:** 1, GE-11002-06, Horizontal Pipe, Small  
**Resource:** 1  
**Scale:** 1/2  
**QTY:** 2

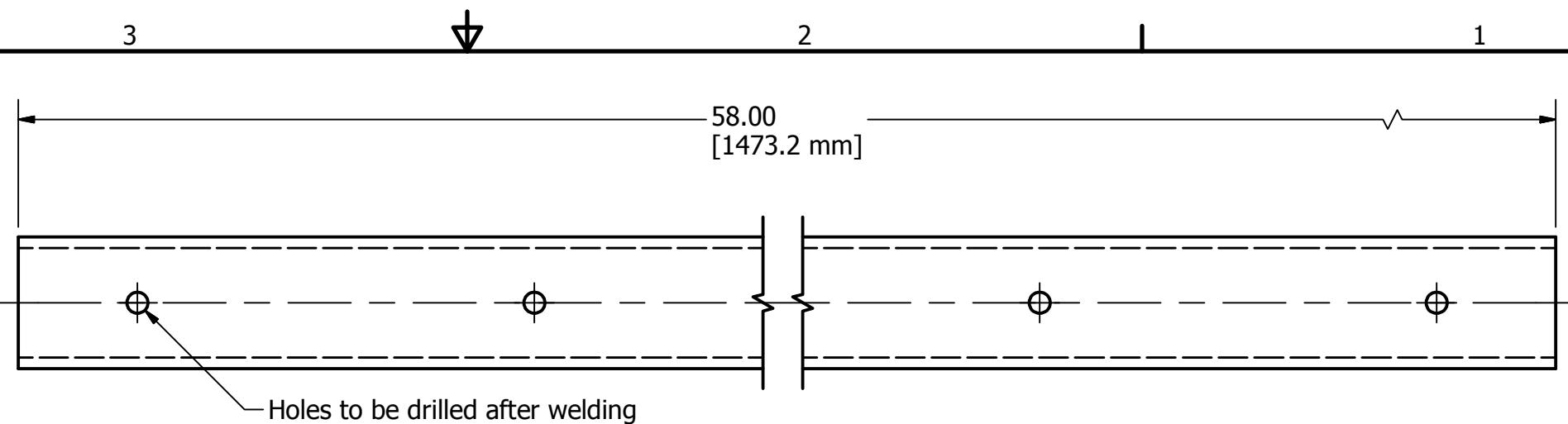
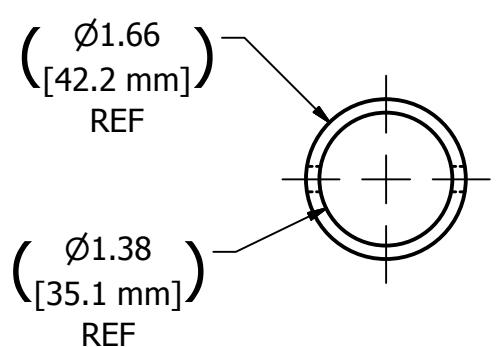
DRAWN dfoster	11/22/2010	<b>FIRST</b>		
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
UNLESS OTHERWISE SPECIFIED				
<b>TOLERANCES: (INCHES)</b>		<b>TITLE</b>		
FRAC.	+/-.1/32	Post 2		
.00	+/-.01	SIZE	DWG NO	REV
.000	+/-.005	B	GE-11002	
ANGULAR	+/-.25 Deg.	SCALE		SHEET 4 OF 4



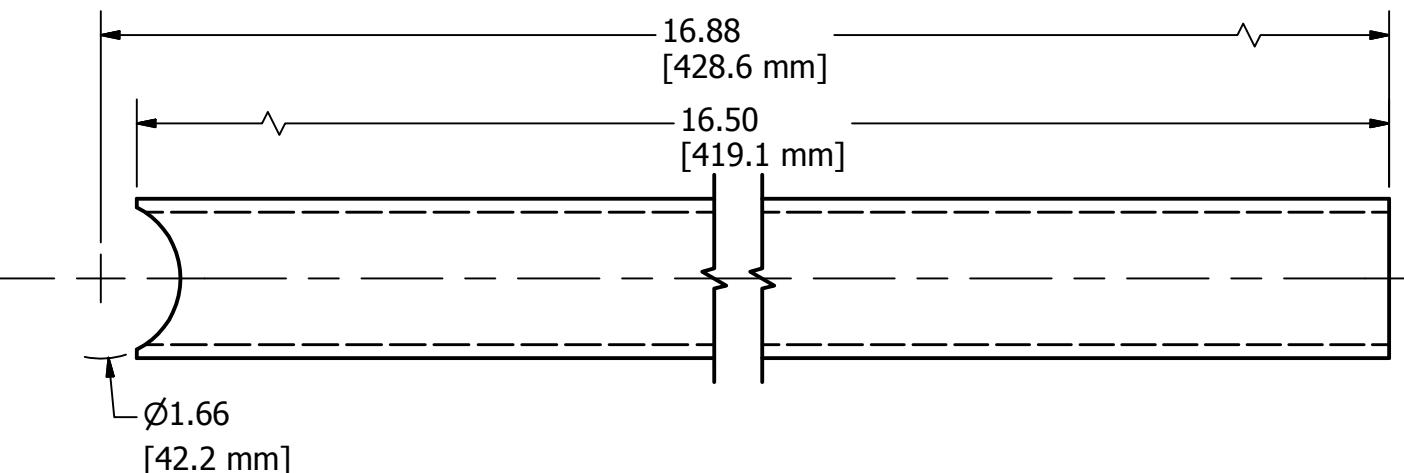
PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	GE-11004	Post 3
2	1	GE-11005	Post 4
3	1	GE-11006	Spacer
4	1	HW-00021	Washer, Fender 1/4" Zinc Plate
5	1	HW-00002	Nut, Lock 1/4-20
6	1	HW-00063	Hex head bolt 1/4-20 x 2.50"
7	2	HW-00005	Retainer pin 1/4" x 2-1/2" long (McMaster #: 98416A012)

DRAWN dfoster	12/28/2010	<b>FIRST</b> 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
CHECKED				
UNLESS OTHERWISE SPECIFIED				
TOLERANCES: (INCHES)				
FRAC.	+/- 1/32	TITLE  Middle Pole Assembly		
.00	+/- .01			
.000	+/- .005			
ANGULAR	+/- .25 Deg.	SIZE B	DWG NO GE-11003	REV
SCALE			SHEET 1 OF 1	

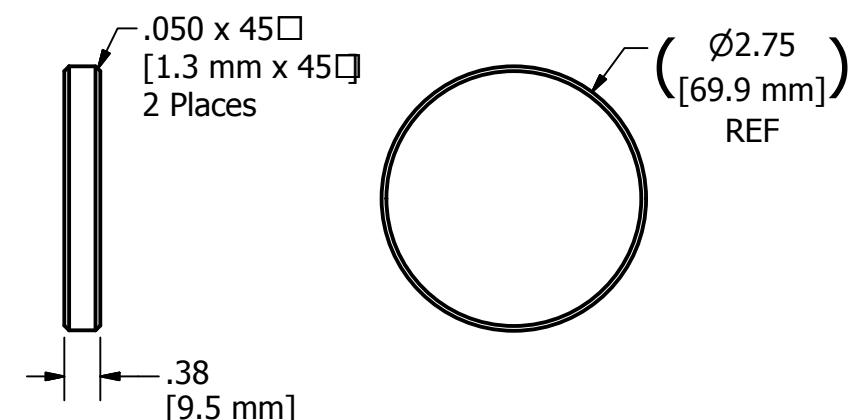
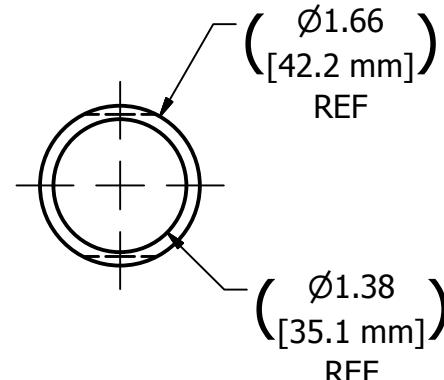




**Item:** 1, GE-11004-01, Vertical Pipe  
**Resource:** 1  
**Scale:** 1/2  
**QTY:** 1

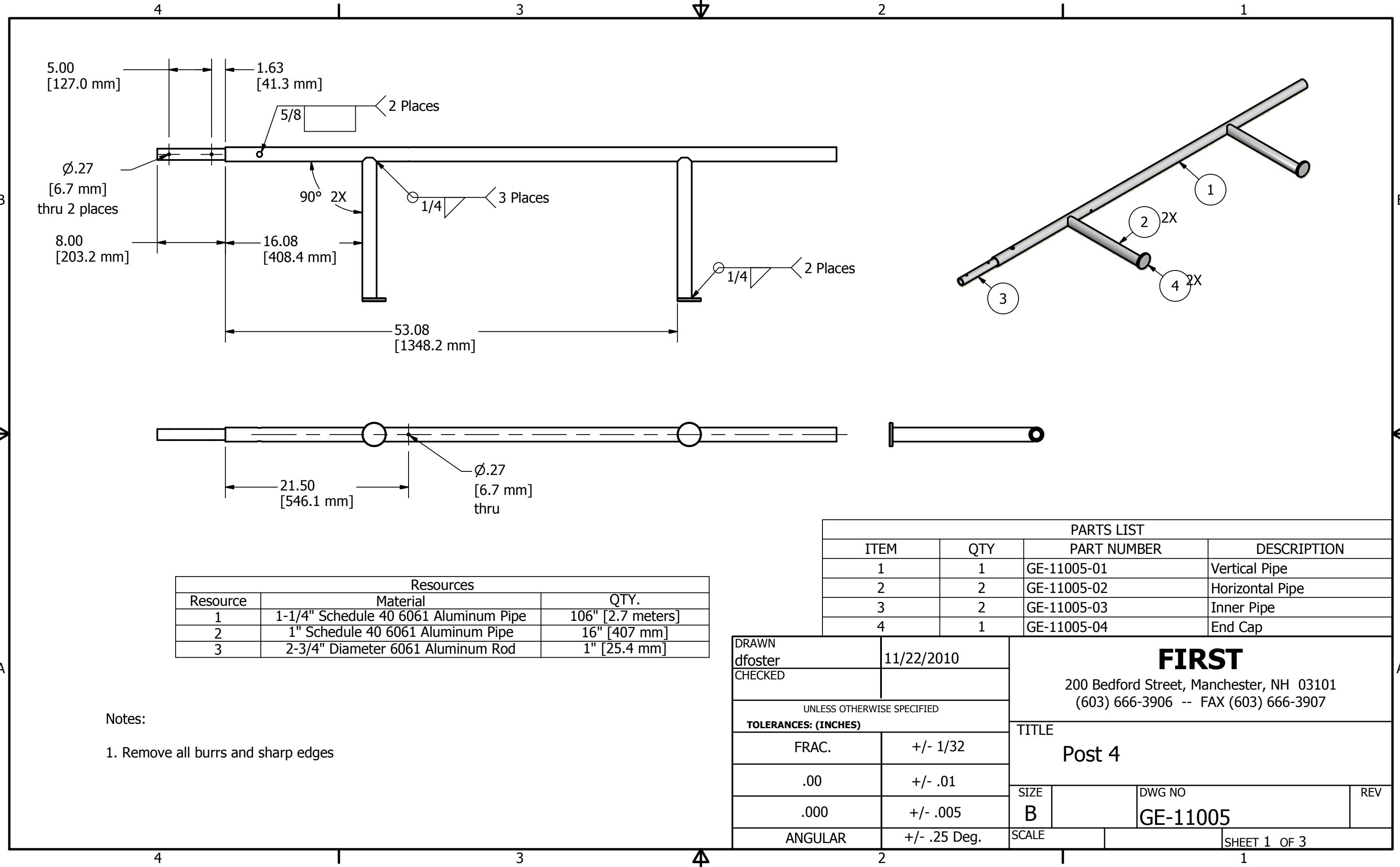


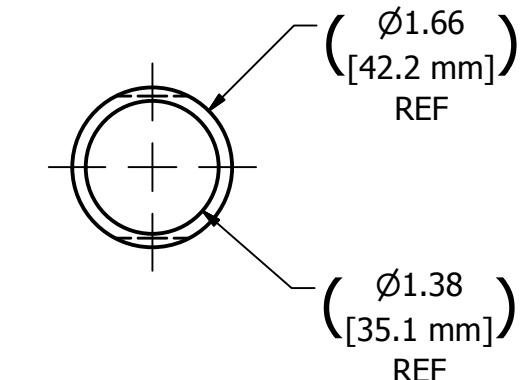
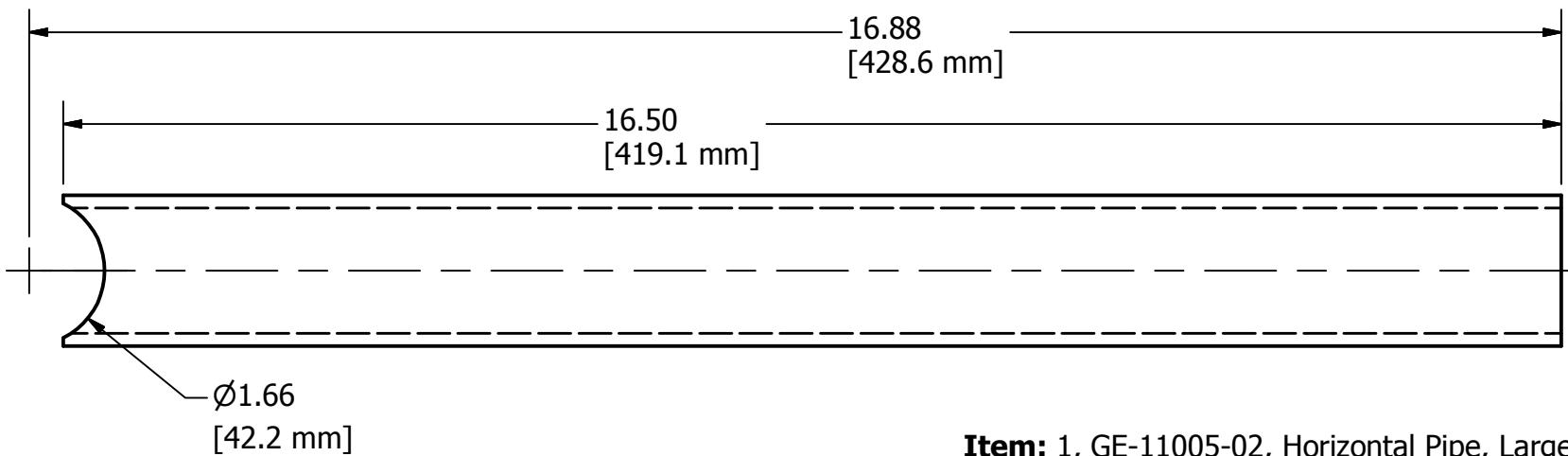
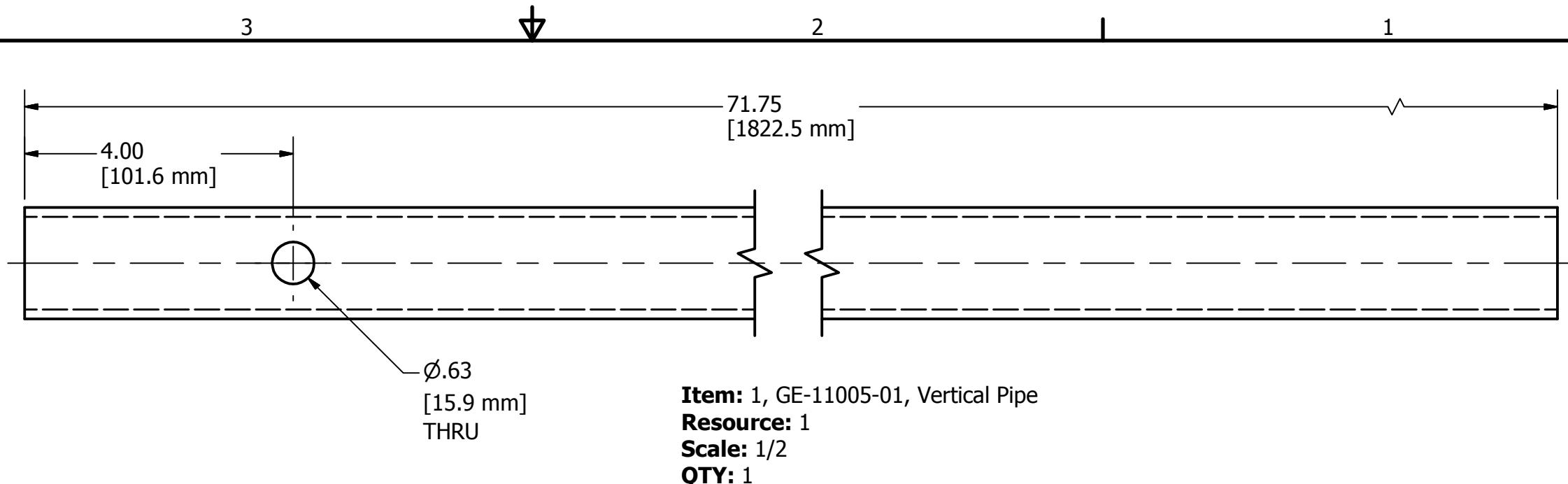
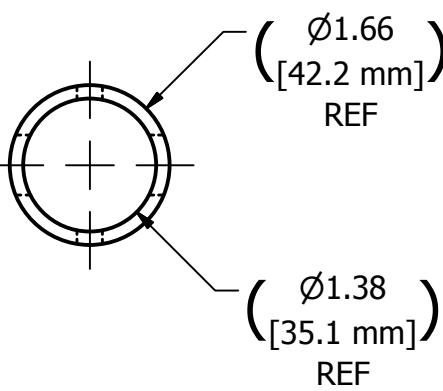
**Item:** 2, GE-11004-02, Horizontal Pipe  
**Resource:** 1  
**Scale:** 1/2  
**QTY:** 1



**Item:** 3, GE-11004-03, End Cap  
**Resource:** 2  
**Scale:** 1/2  
**QTY:** 1

DRAWN dfoster	8/25/2010	<b>FIRST</b>		
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
UNLESS OTHERWISE SPECIFIED				
<b>TOLERANCES: (INCHES)</b>		TITLE		
FRAC.	+/- 1/32	Post 3		A
.00	+/- .01	SIZE	DWG NO	REV
.000	+/- .005	B	GE-11004	
ANGULAR	+/- .25 Deg.	SCALE		SHEET 2 OF 2





DRAWN dfoster	11/22/2010	<b>FIRST</b>		
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
UNLESS OTHERWISE SPECIFIED				
<b>TOLERANCES: (INCHES)</b>		<b>TITLE</b>		
FRAC.	$+\/- 1/32$	Post 4		
.00	$+\/- .01$	SIZE	DWG NO	REV
.000	$+\/- .005$	B	GE-11005	
ANGULAR	$+\/- .25$ Deg.	SCALE		SHEET 2 OF 3

4

I

3

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2

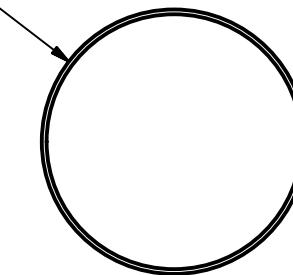
I

1

B

B

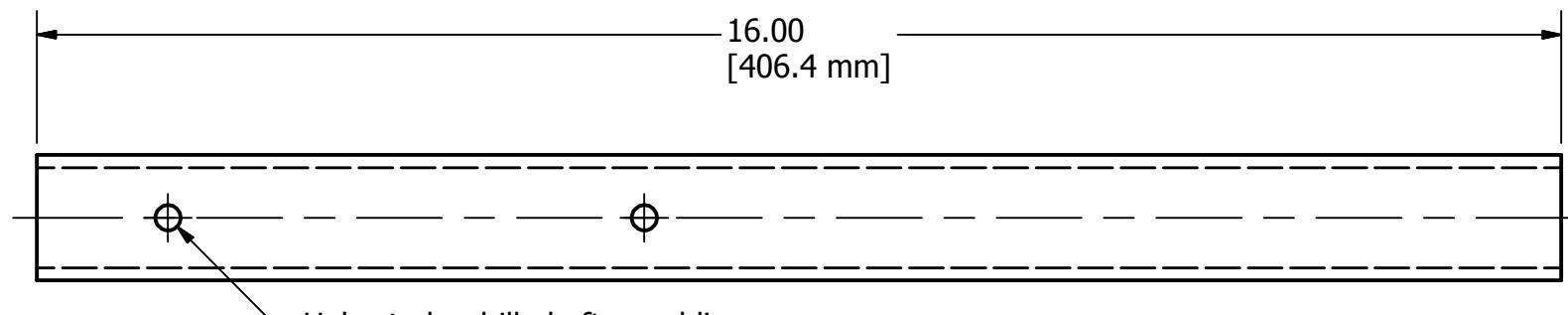
( $\phi 2.75$   
[69.9 mm])  
REF



.38  
[9.5 mm]  
.05 x 45°  
[1.3mm x 45°]  
2 Places

( $\phi 1.32$   
[33.4 mm])  
REF

( $\phi 1.05$   
[26.6 mm])  
REF



Item: 1, GE-11005-03, End Cap  
Resource: 2  
Scale: 1/2  
QTY: 2

Item: 1, GE-11005-04, Inner Pipe  
Resource: 2  
Scale: 1/2  
QTY: 1

DRAWN dfoster	11/22/2010	<b>FIRST</b>		
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
UNLESS OTHERWISE SPECIFIED				
TOLERANCES: (INCHES)		TITLE		
FRAC.	+/- 1/32	Post 4		
.00	+/- .01	SIZE	DWG NO	
.000	+/- .005	B	GE-11005	
ANGULAR	+/- .25 Deg.	SCALE	REV	
			SHEET 3 OF 3	

4

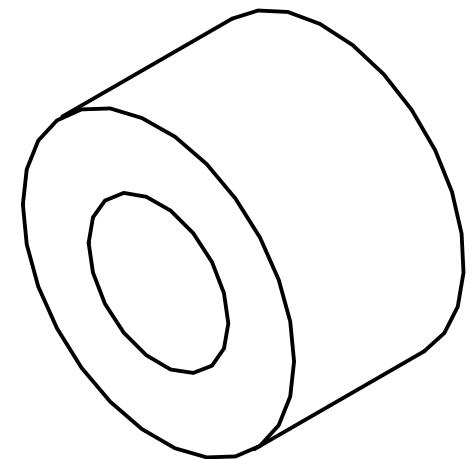
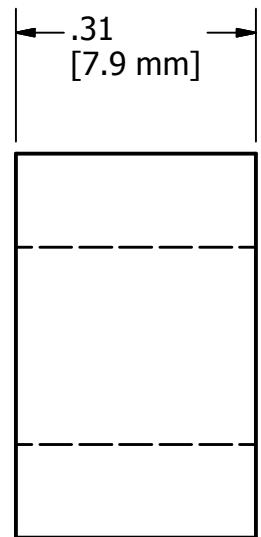
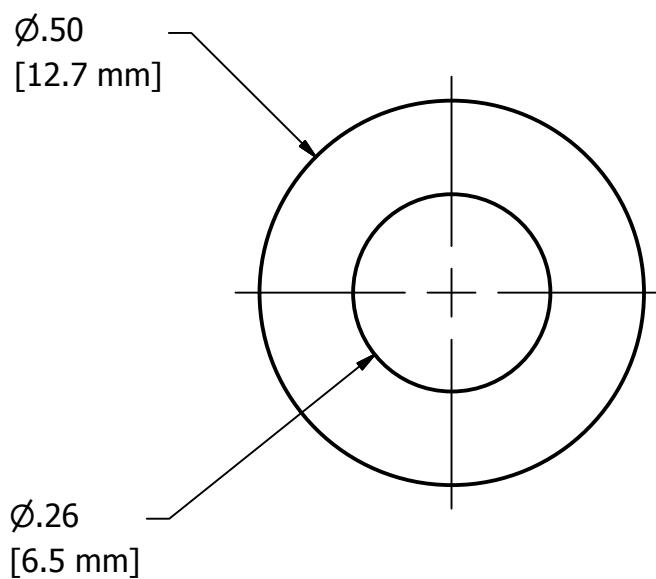
3

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I

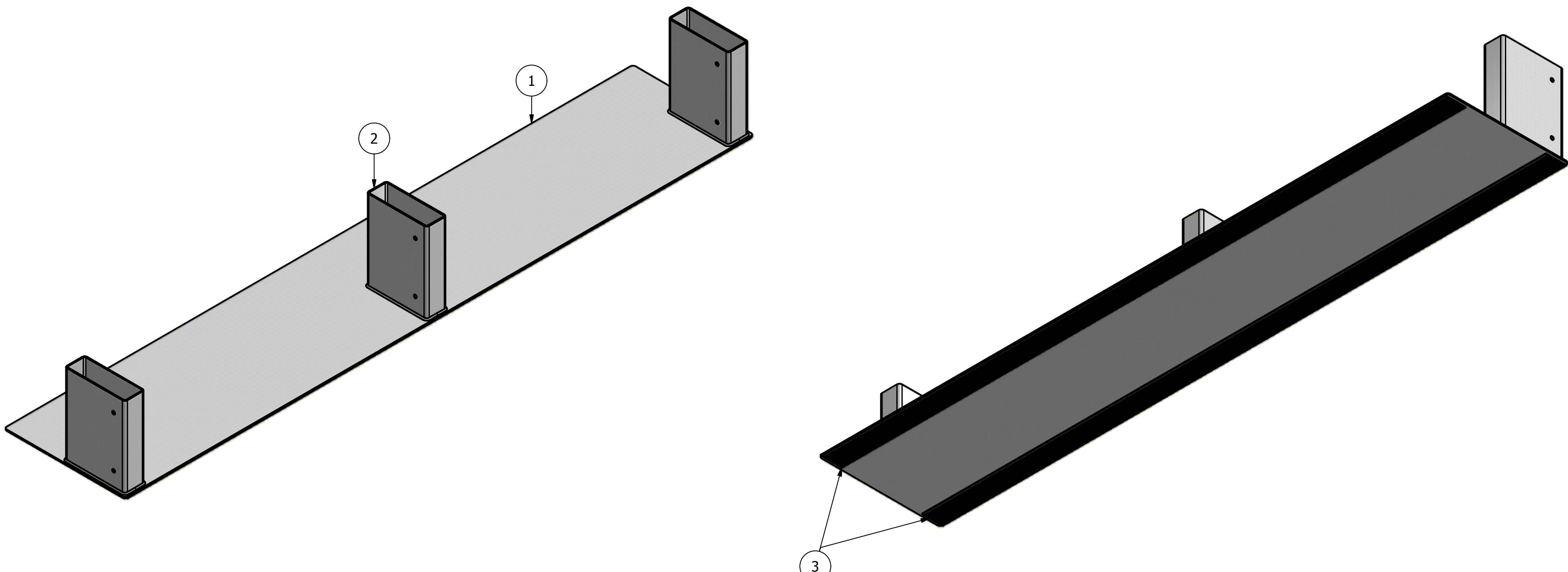
1



Notes:

1. Material: 6061 Aluminum
2. Remove all burrs and sharp edges.
3. Part can be machined or purchased from  
[www.aluminum-spacers.com](http://www.aluminum-spacers.com), part number: AS50-14-20.

DRAWN dfoster	12/7/2010	200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907					
CHECKED							
UNLESS OTHERWISE SPECIFIED							
<b>TOLERANCES: (INCHES)</b>							
FRAC.	+/- 1/32	TITLE <b>Spacer</b>					
.00	+/- .01						
.000	+/- .005	SIZE <b>B</b>	DWG NO <b>GE-11006</b>	REV			
ANGULAR	+/- .25 Deg.	SCALE		SHEET 1 OF 1			



ISO TOP VIEW

ISO BOTTOM VIEW

Resource Table		
Resource	Description	QTY.
1	11 GA C1008/C1010 HRS Sheet	AR
2	2" x 6" A513 Steel Rectangular Tube 11 GA thick	2 ft
3	Hook Velcro, Adhesive backed, 2" Wide	124"

Notes:

1. Remove all burrs and sharp edges.
2. Part Finish to be Electroless Nickel MIL-C-26070 Grade A

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	GE-11020-01	Base Plate
2	3	GE-11020-02	Channel
3	2	GE-11020-03	Hook Velcro, Adhesive Backed

DRAWN mcyr	12/1/2010	<b>FIRST</b>  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-11020 REV	
		SCALE SHEET 1 OF 3	

4

3

2

1

D

D

C

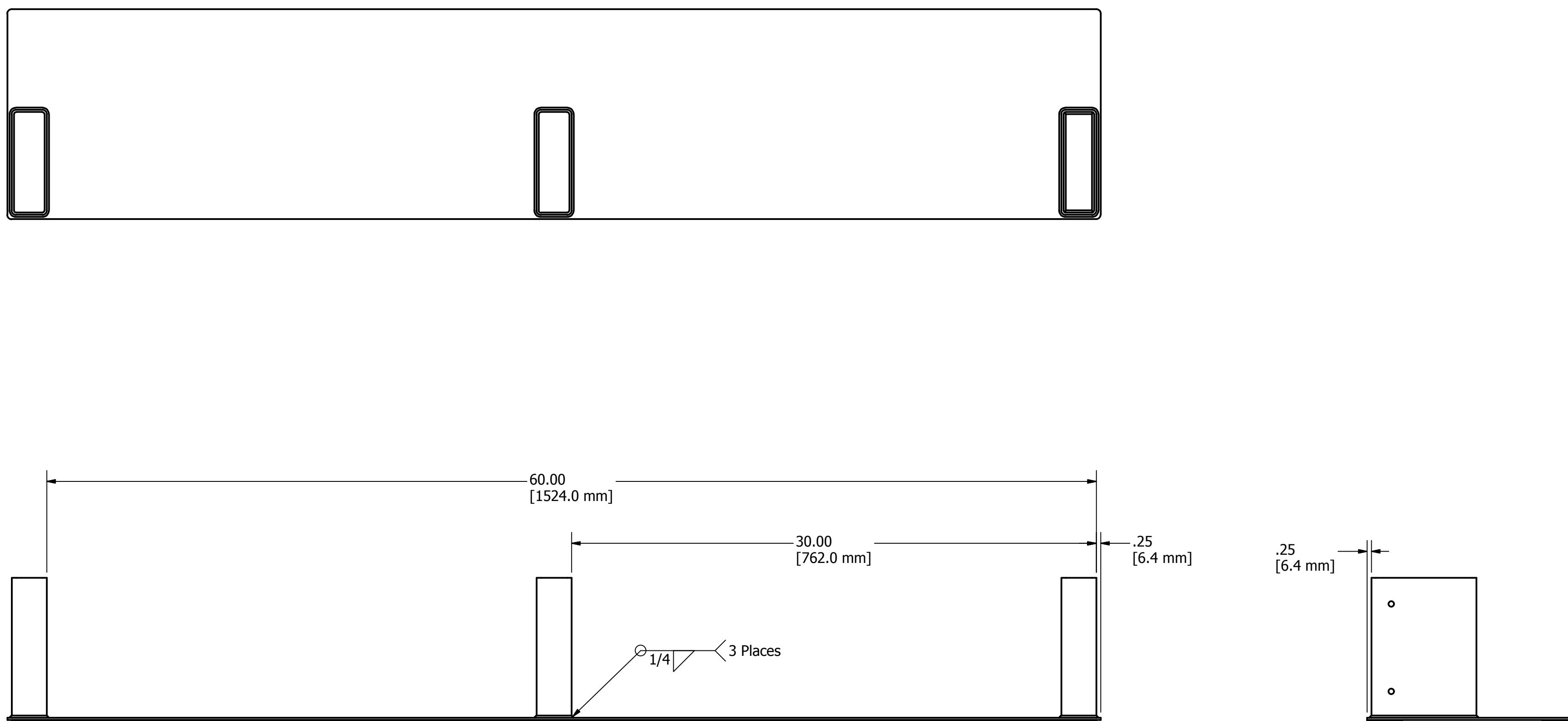
C

B

B

A

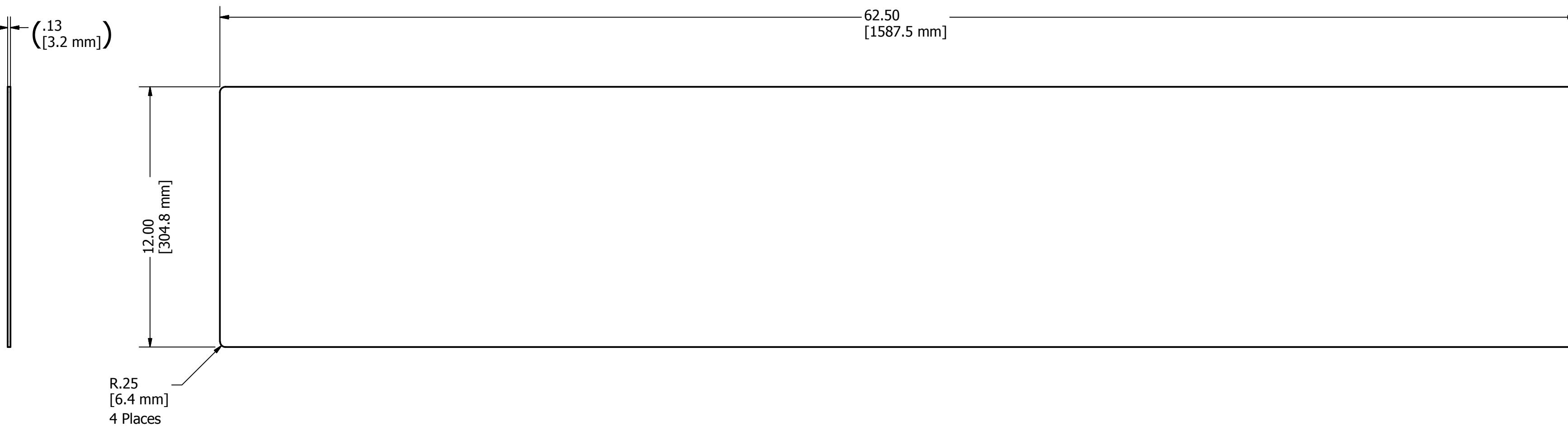
A



DRAWN mcyr	12/1/2010	<b>FIRST</b> 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907					
CHECKED							
UNLESS OTHERWISE SPECIFIED							
<b>TOLERANCES: (INCHES)</b>							
FRAC.	$+\/- \frac{1}{32}$						
.00	$+\/- .01$						
.000	$+\/- .005$						
ANGULAR	$+\/- .25$ Deg.	SCALE	DWG NO	REV			
			GE-11020				
				SHEET 2 OF 3			

4 3 2 1

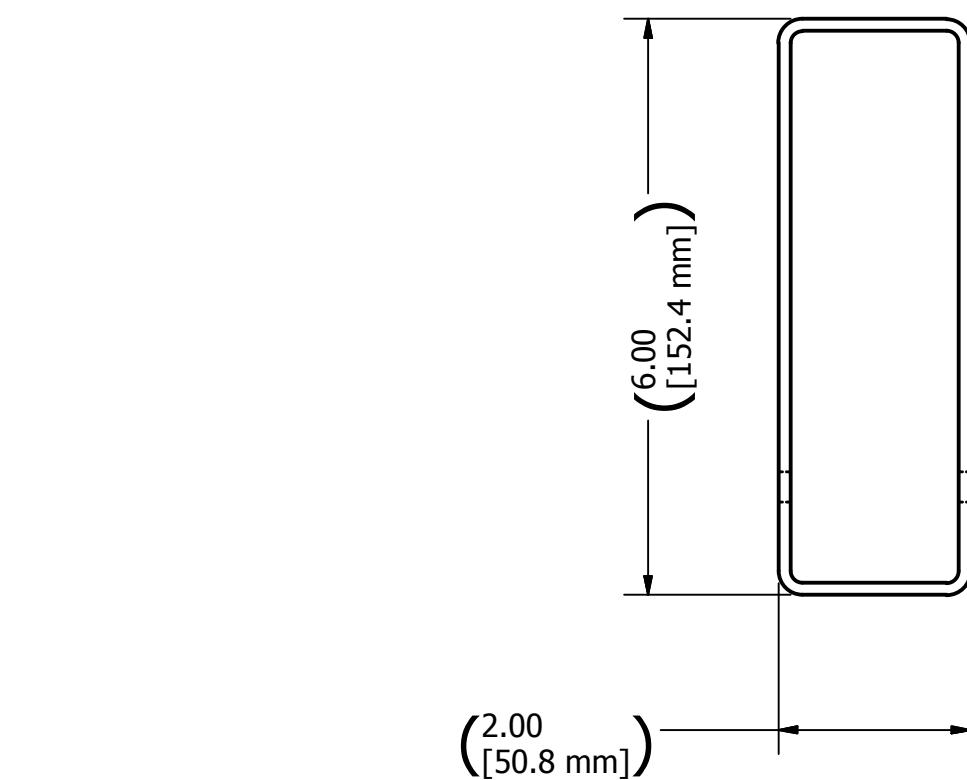
D



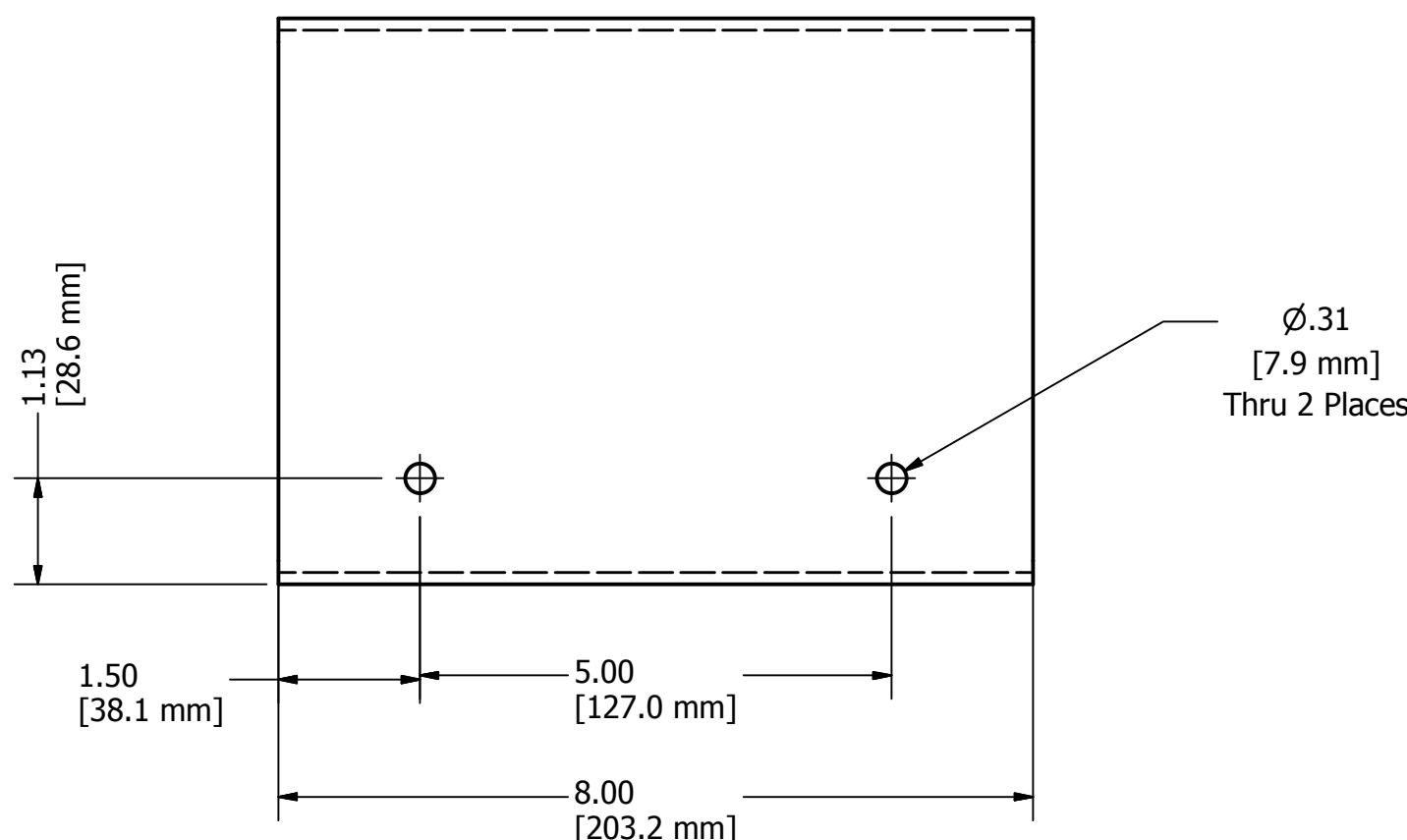
R.25  
[6.4 mm]  
4 Places

Item: 1, GE-11020-01, Base Plate  
Resource: 1  
Scale: 1/4  
QTY: 1

C



B



Ø.31  
[7.9 mm]  
Thru 2 Places

A

Item: 1, GE-11020-02, Channel  
Resource: 2  
Scale: 1/2  
QTY: 3

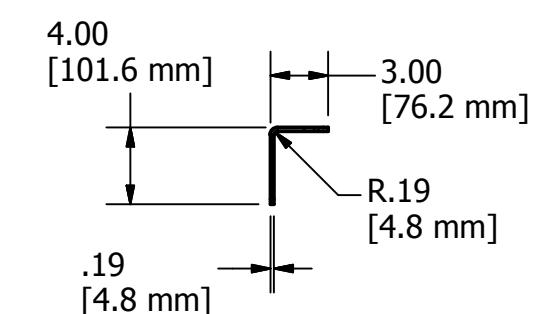
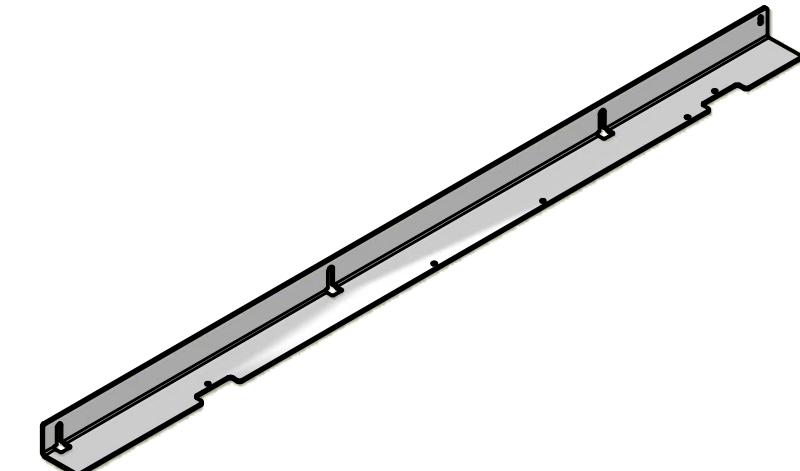
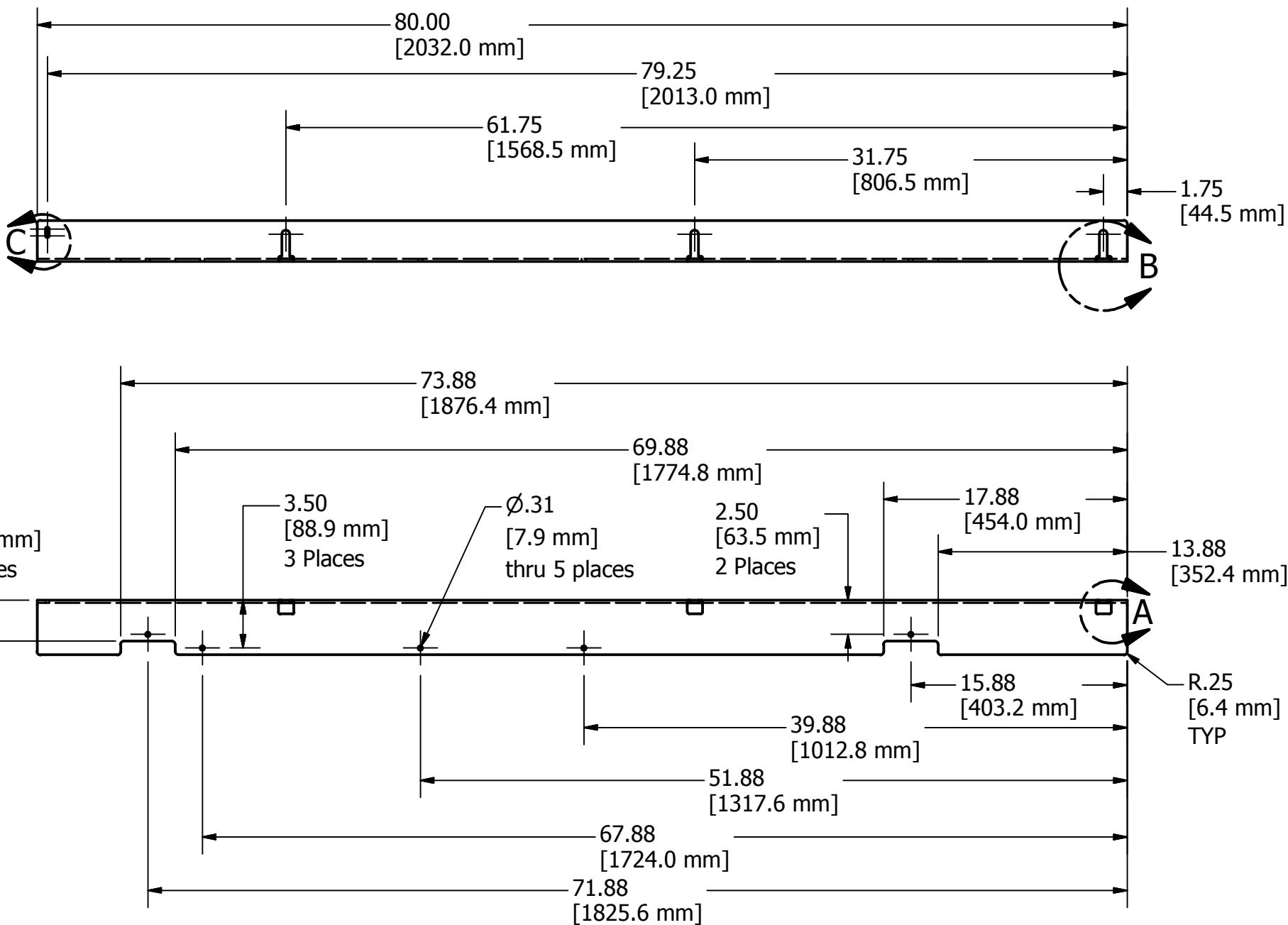
DRAWN mcyr	12/1/2010	FIRST				
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907				
UNLESS OTHERWISE SPECIFIED						
TOLERANCES: (INCHES)			TITLE			
FRAC.	+/- 1/32	Base				
.00	+/- .01	SIZE				
.000	+/- .005	DWG NO				
ANGULAR	+/- .25 Deg.	SCALE		REV		
				SHEET 3 OF 3		

4 3 2 1

3

2

1

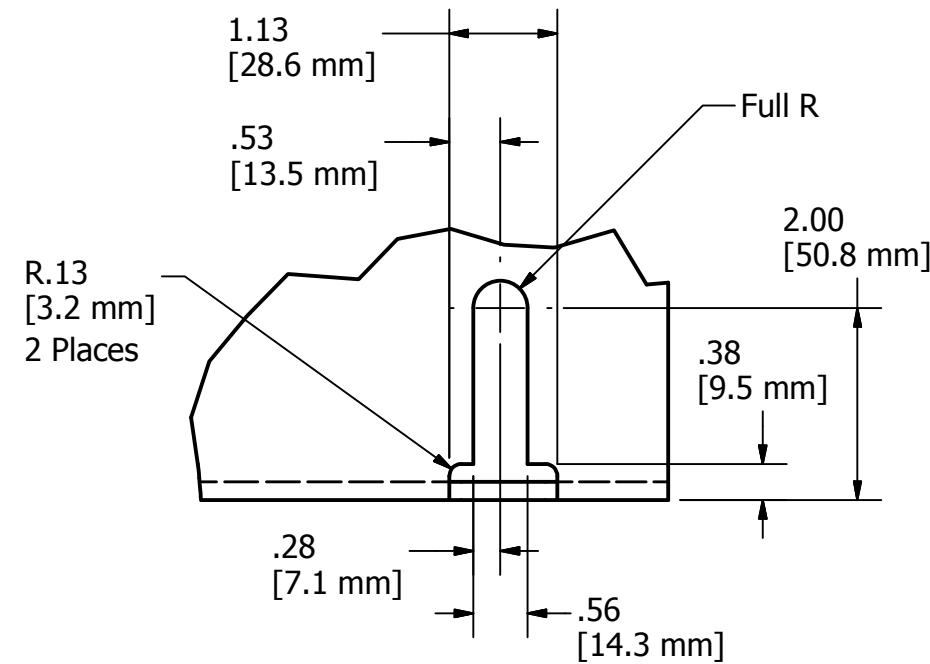


Notes:

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

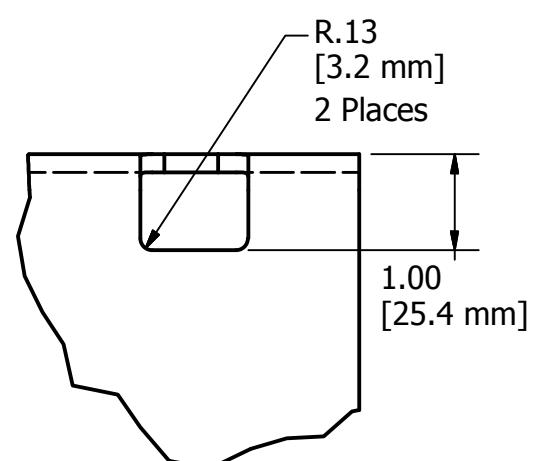
DRAWN dfoster	11/29/2010	200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907			
CHECKED					
UNLESS OTHERWISE SPECIFIED					
TOLERANCES: (INCHES)					
FRAC.	+/- 1/32	TITLE			
.00	+/- .01	Mounting Angle, Left			
.000	+/- .005	SIZE	DWG NO	REV	
ANGULAR	+/- .25 Deg.	B	GE-11021		
SCALE					
SHEET 1 OF 2					

4 | 1 | 3 | 2 | 1



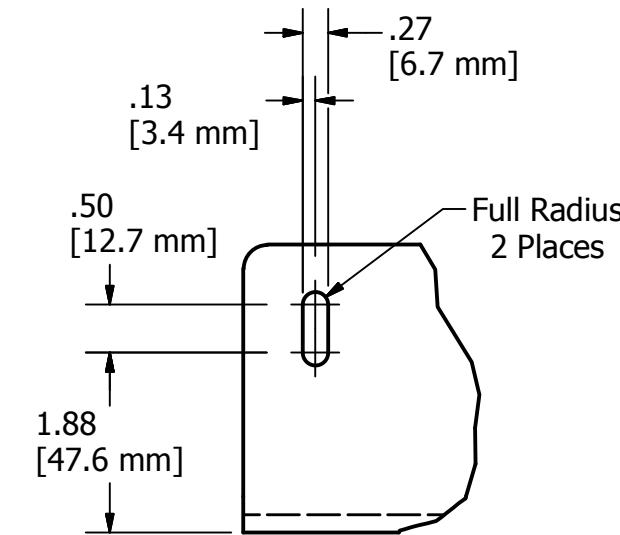
Note: Dimensions typical for all three slots.

DETAIL B  
SCALE 1 / 2



Note: Dimensions typical for all three slots.

DETAIL A  
SCALE 1 / 2

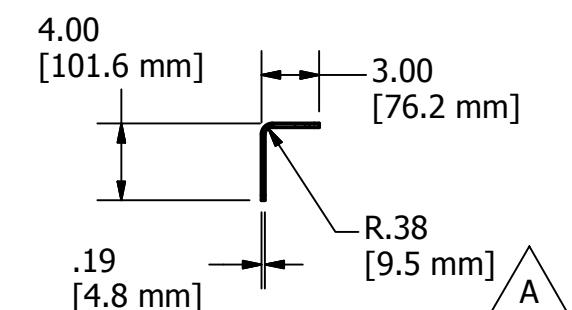
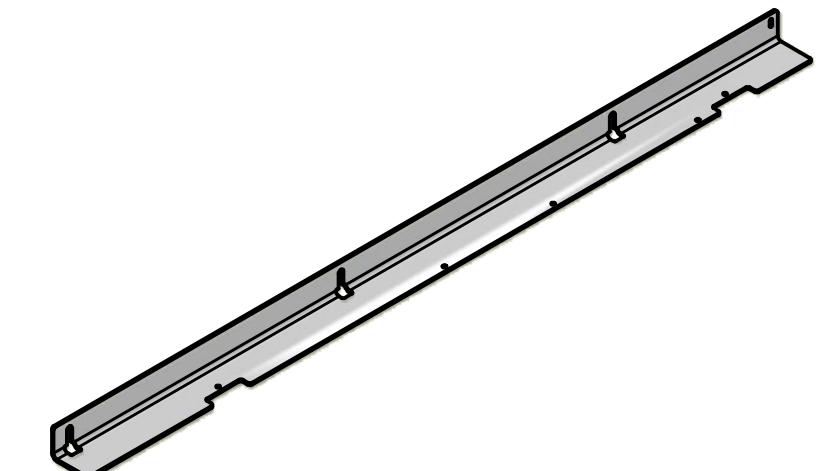
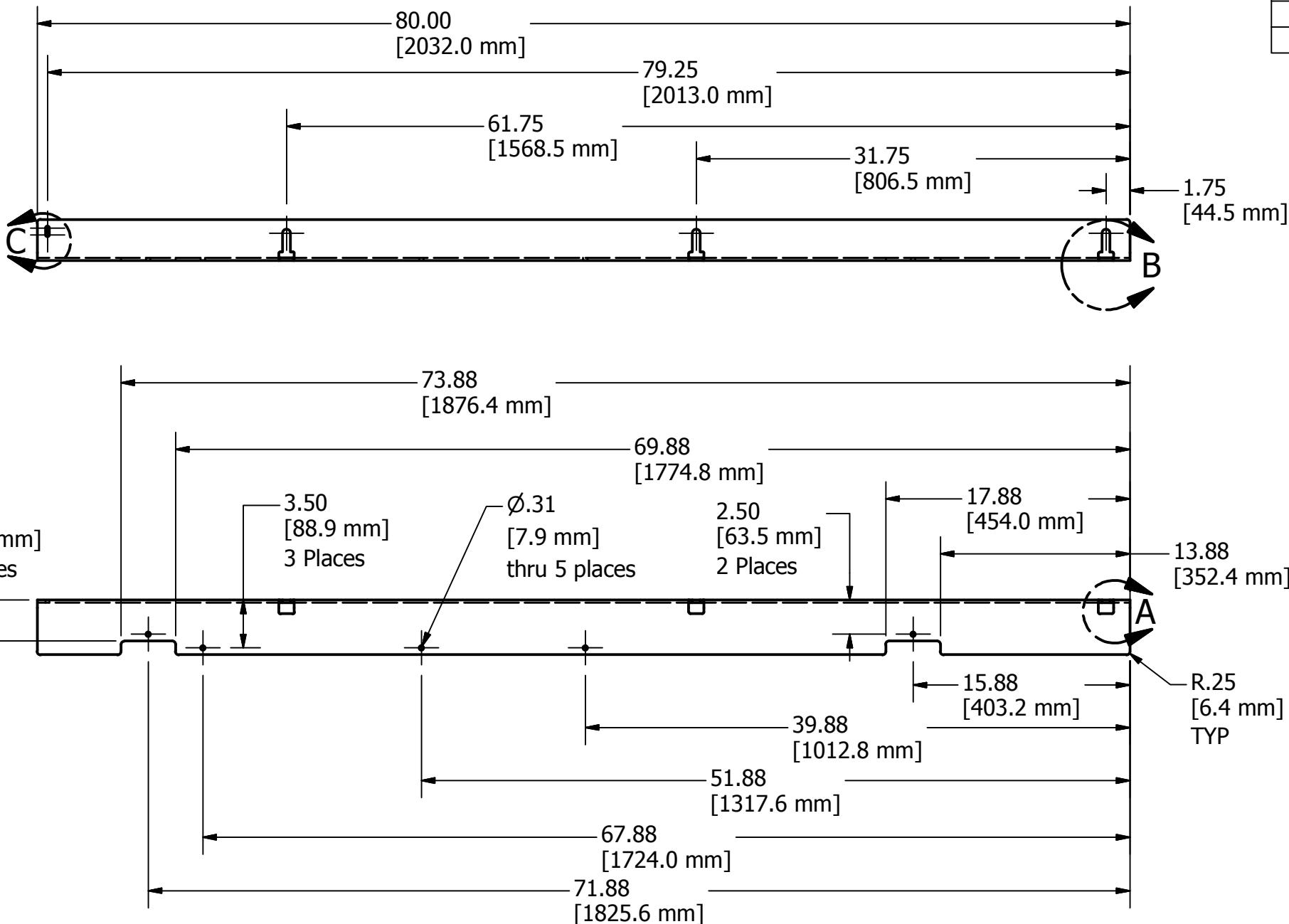


DETAIL C  
SCALE 1 / 2

DRAWN dfoster	11/29/2010	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		SHEET 2 OF 2			

4 | 1 | 3 | 2 | 1

4	3	2	1
REVISION HISTORY			
ZONE A-1	REV A	DESCRIPTION R.38 was R.19	DATE 12/17/2010
			APPROVED DAF



Notes:

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

DRAWN dfoster	11/29/2010	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		SHEET 1 OF 2			
B	GE-11021	REV A					

4

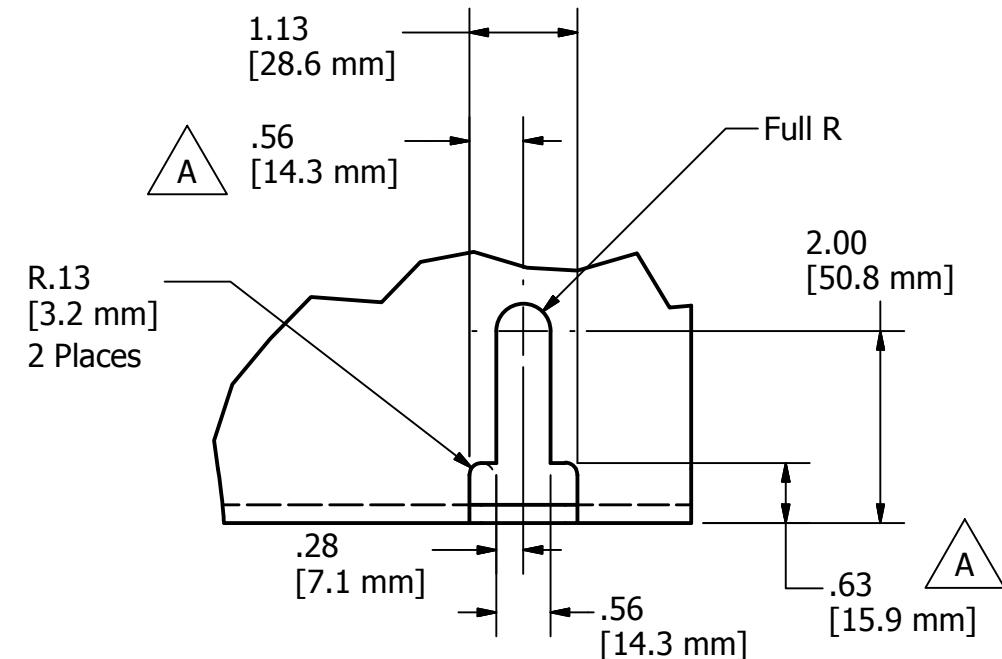
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2

1

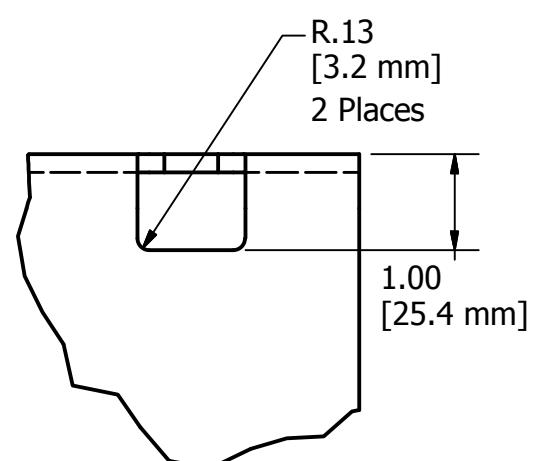
B

B



Note: Dimensions typical for all three slots.

**DETAIL A**  
SCALE 1 / 2



Note: Dimensions typical for all three slots.

**DETAIL B**  
SCALE 1 / 2

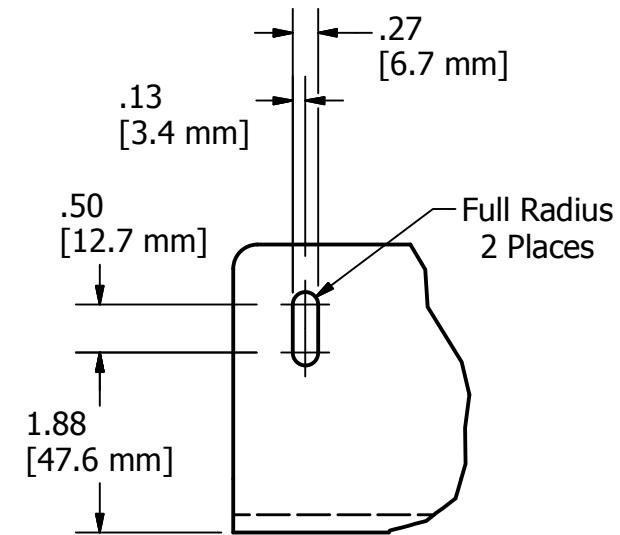
4

3

2

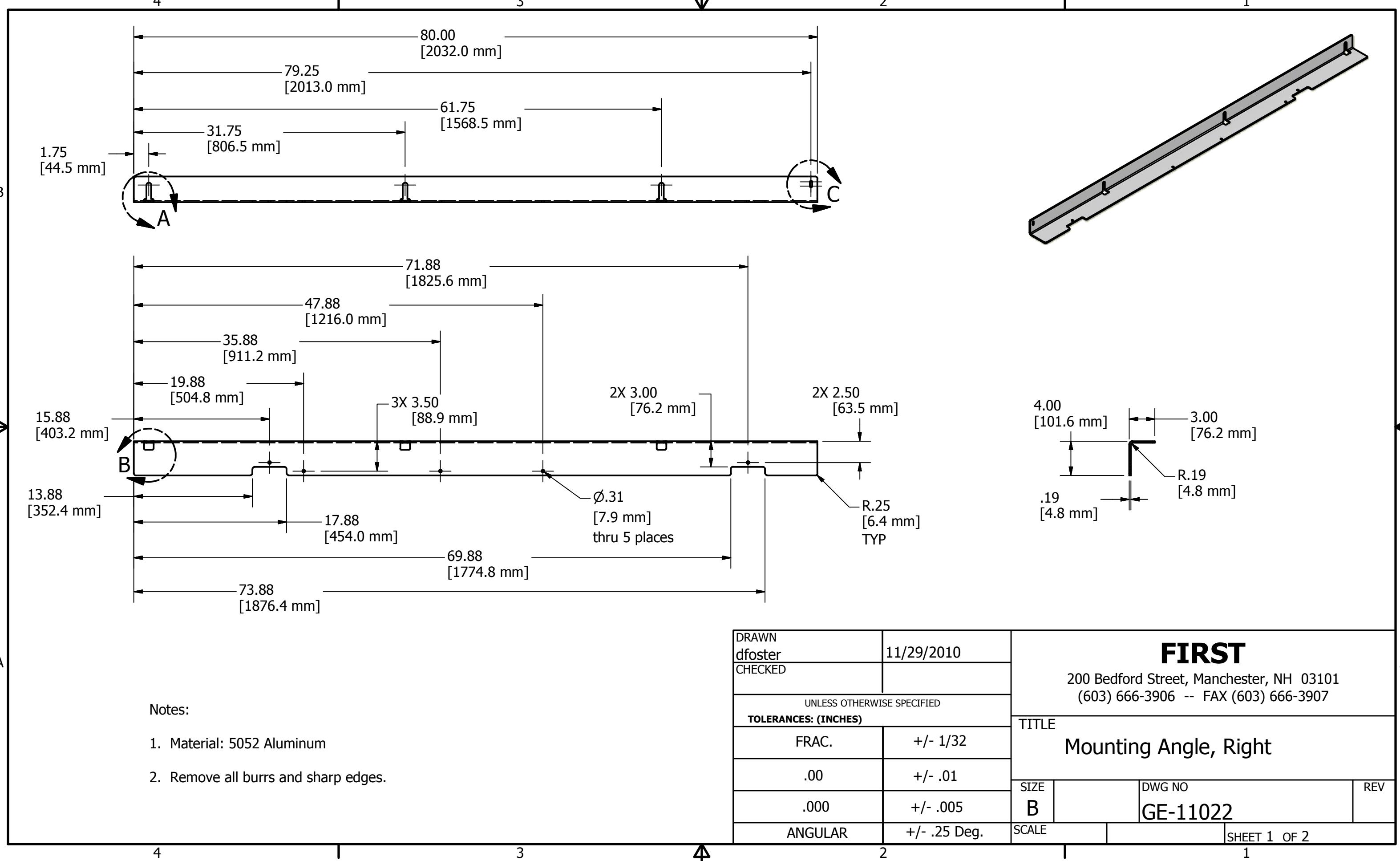
1

REVISION HISTORY				
ZONE	REV	DESCRIPTION	DATE	APPROVED
B-3, B-4	A	.63 was .38, .56 was .53	12/17/2010	DAF

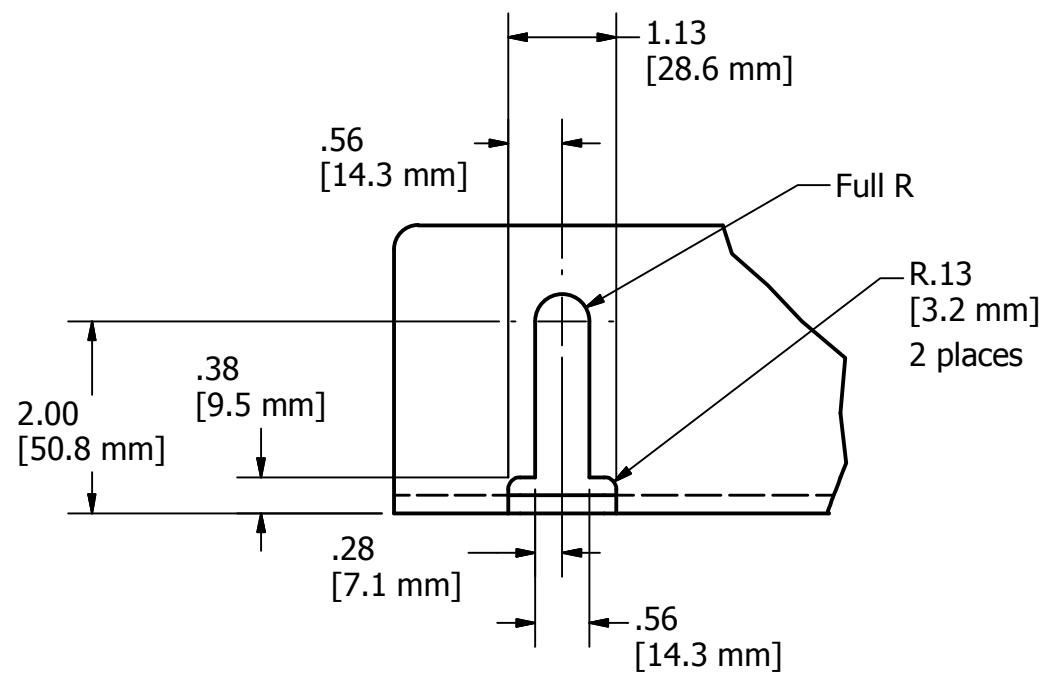


**DETAIL C**  
SCALE 1 / 2

DRAWN dfoster	11/29/2010	200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907					
CHECKED							
UNLESS OTHERWISE SPECIFIED							
<b>TOLERANCES: (INCHES)</b>							
FRAC.	+/- 1/32						
.00	+/- .01						
.000	+/- .005						
ANGULAR	+/- .25 Deg.	SCALE		SHEET 2 OF 2			

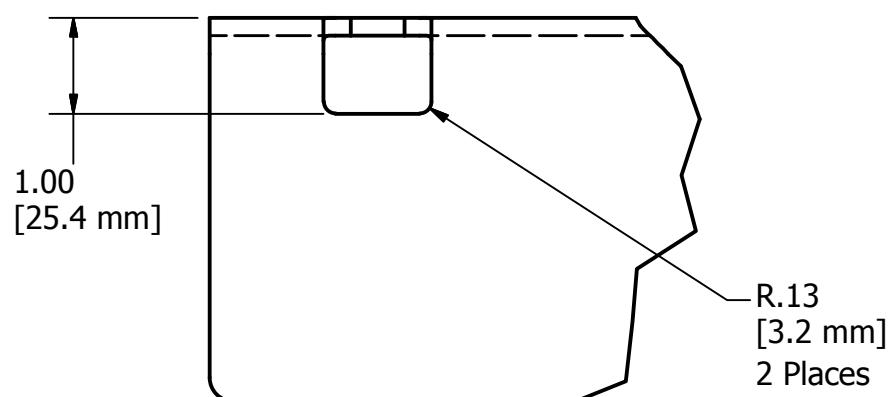


4 | 1 | 3 | 2 | 1



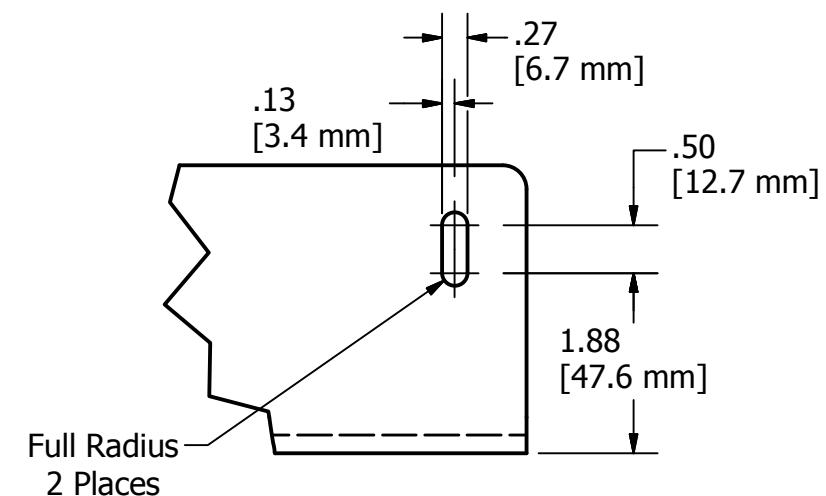
Note: Dimensions typical for all three slots.

DETAIL A  
SCALE 1 / 2



Note: Dimensions typical for all three slots.

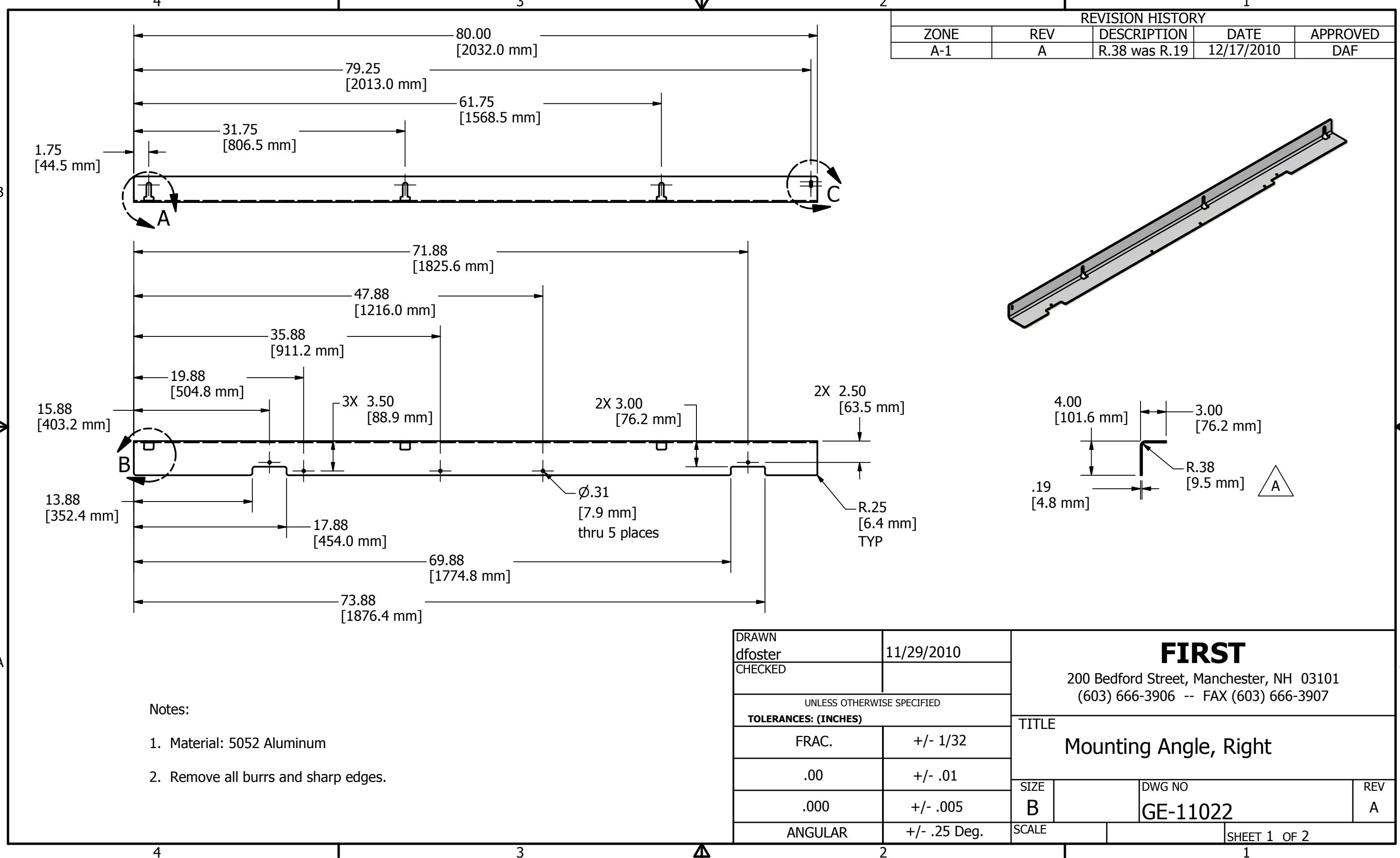
DETAIL B  
SCALE 1 / 2



DETAIL C  
SCALE 1 / 2

DRAWN dfoster	11/29/2010	FIRST			
CHECKED		200 Bedford Street, Manchester, NH 03101			
UNLESS OTHERWISE SPECIFIED					
TOLERANCES: (INCHES)					
FRAC.	+/- 1/32	Mounting Angle, Right			
.00	+/- .01	SIZE	DWG NO	REV	
.000	+/- .005	B	GE-11022		
ANGULAR	+/- .25 Deg.	SCALE		SHEET 2 OF 2	

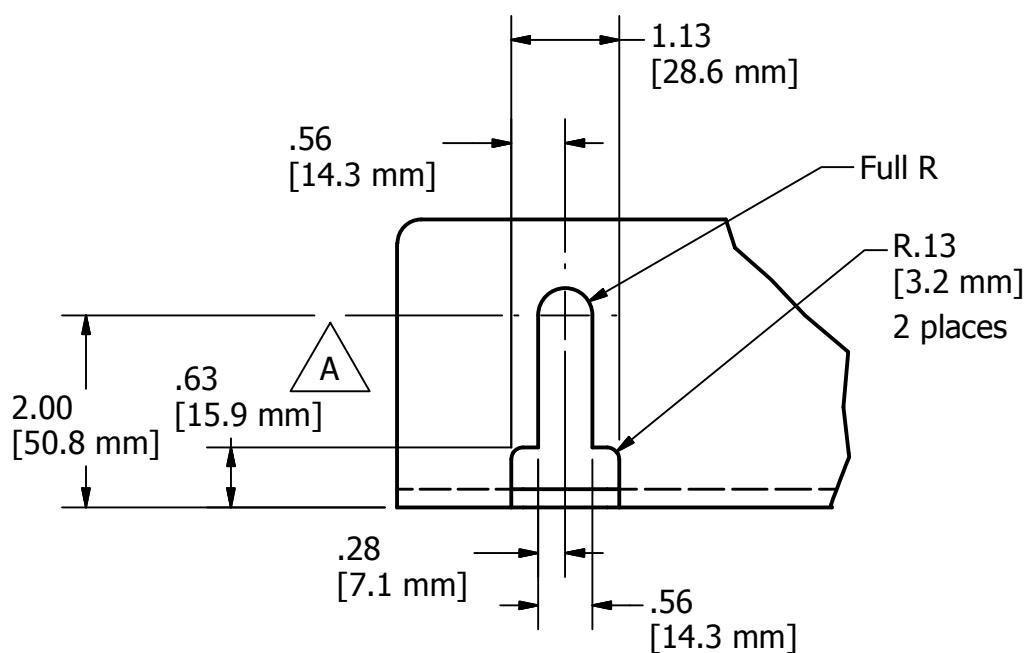
4 | 1 | 3 | 2 | 1



4 3 2 1

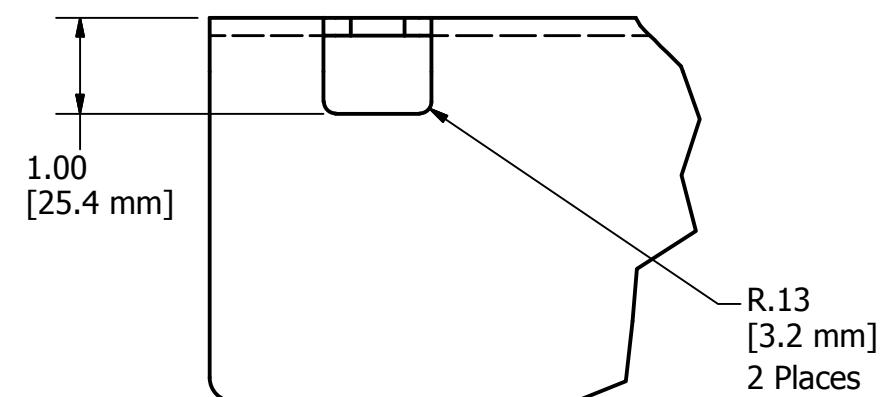
### REVISION HISTORY

ZONE	REV	DESCRIPTION	DATE	APPROVED
B-4	A	.63 was .38	12/17/2010	DAF



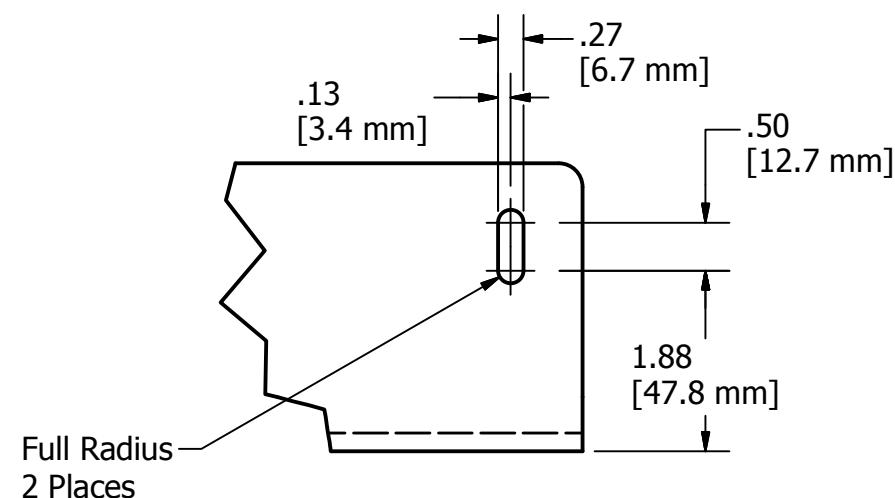
Note: Dimensions typical for all three slots.

DETAIL A  
SCALE 1 / 2



Note: Dimensions typical for all three slots.

DETAIL B  
SCALE 1 / 2



DETAIL C  
SCALE 1 / 2

DRAWN dfoster	11/29/2010
CHECKED	

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  
Mounting Angle, Right

SIZE	DWG NO	REV
B	GE-11022	A
SCALE		SHEET 2 OF 2

4 3 2 1

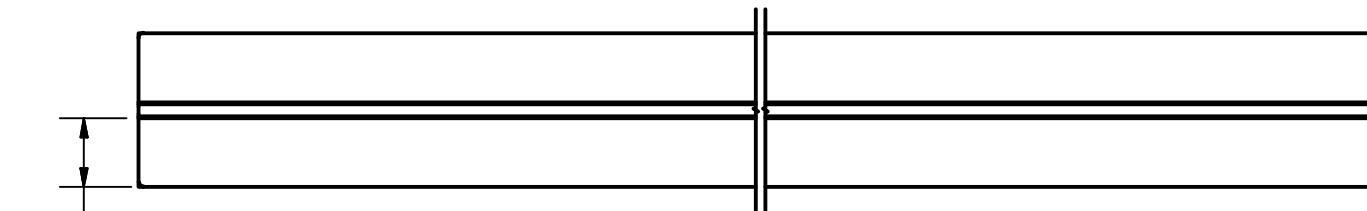
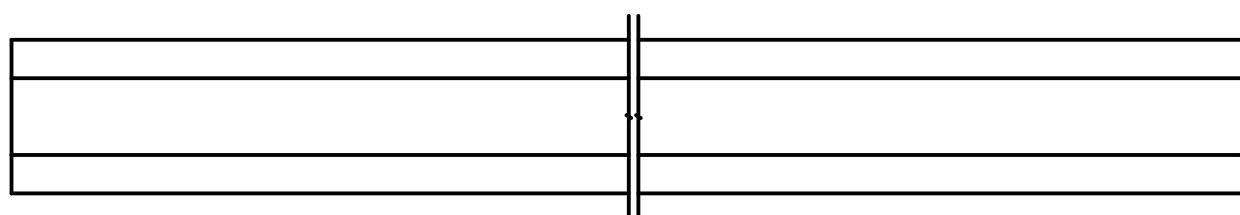
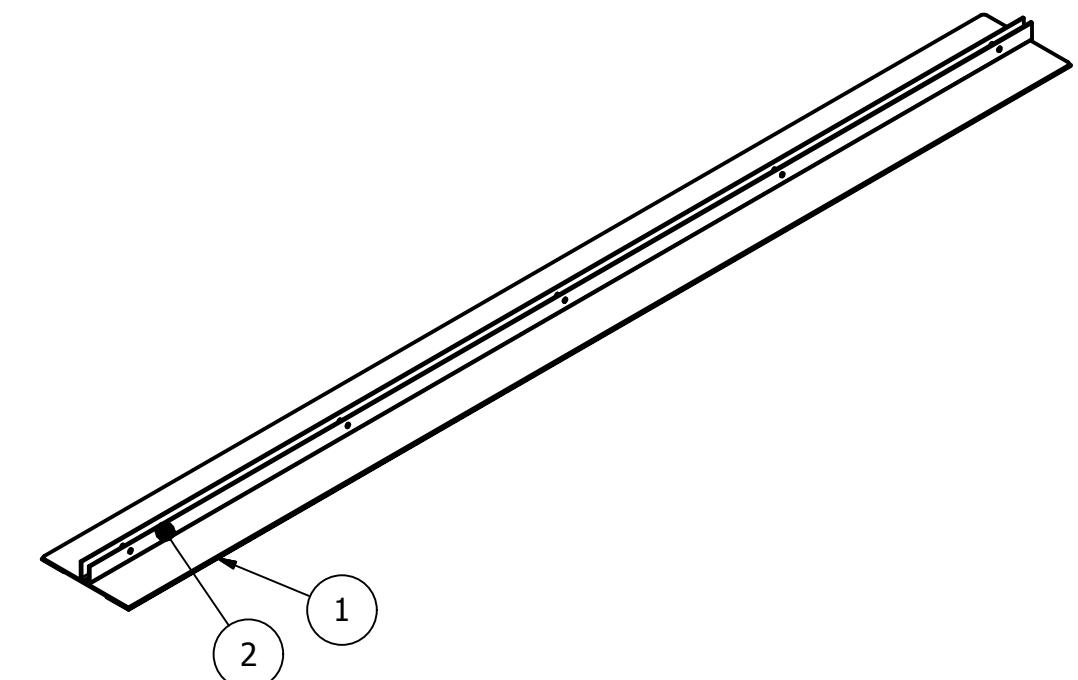
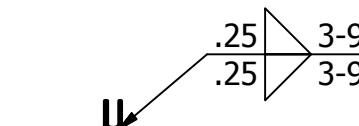
4

3

2

1

B

3.56  
[90.5 mm]

Resources		
Resource	Material	QTY.
1	11 GA C1008/C1010 HRS sheet	AR
2	2" Velcro, Hook Adhesive Backed	15 feet [4.6 meters]

## Notes:

1. Remove all sharp edges.
2. Finish: Electroless Nickel MIL-C-26070 Grade A
3. Align 2" Velcro to each of the long edges on the bottom of the plate as shown.

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	GE-11023-01	Base Plate
2	1	GE-11023-02	U-Channel
3	2	GE-11023-03	2" Velcro, Hook Adhesive Backed

DRAWN dfoster	11/4/2010	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	SIZE B	DWG NO GE-11023		
ANGULAR	+/- .25 Deg.	SCALE	REV		
		SHEET 1 OF 2			

4

3

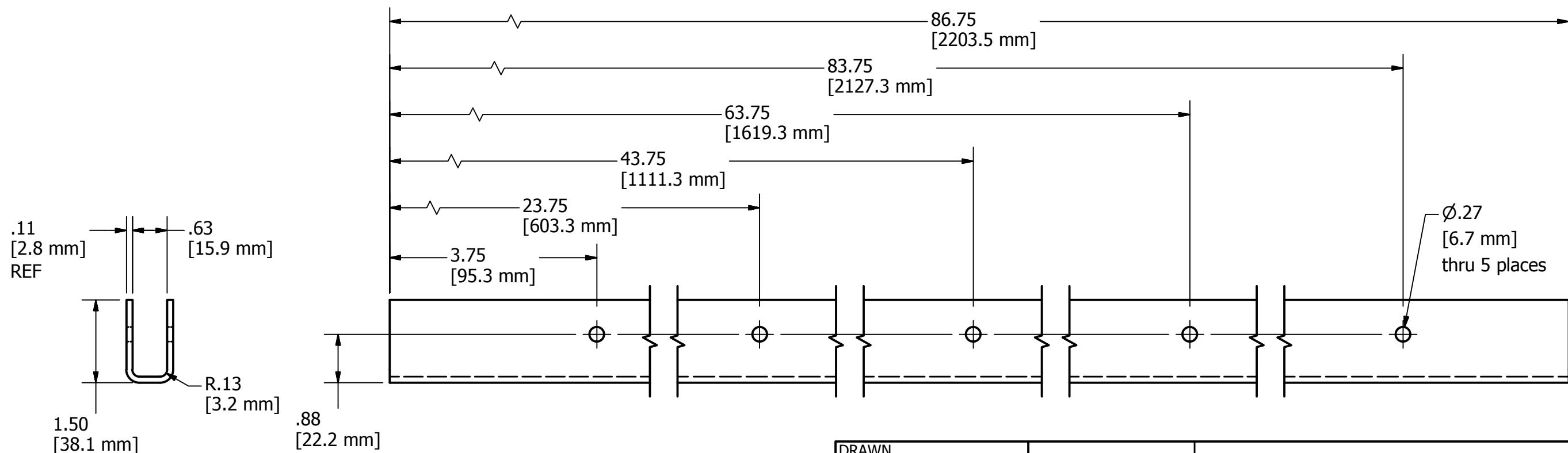
2

1

4

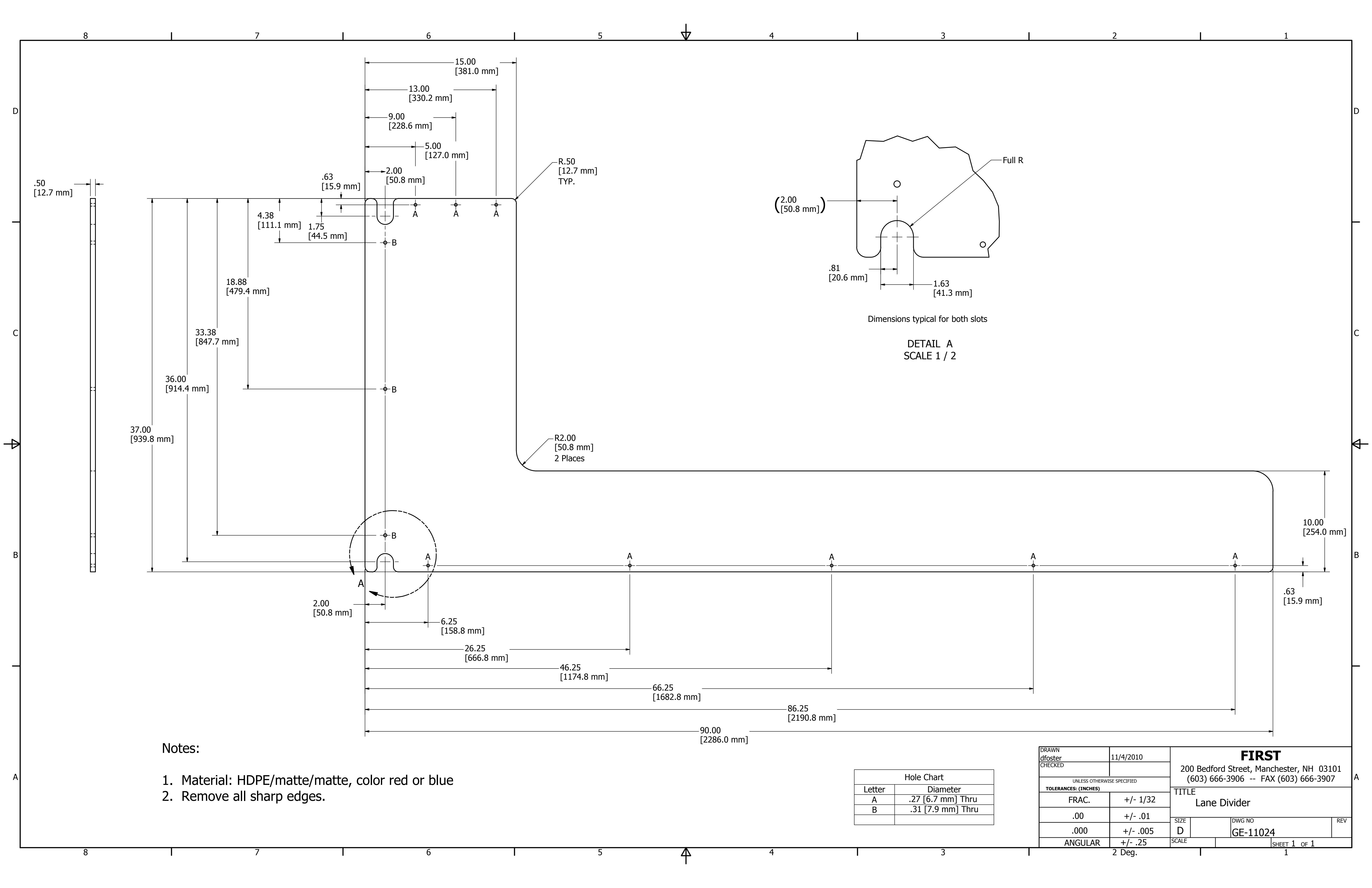


**Item:** 1, GE-11023-01 Base Plate  
**Resource:** 1  
**Scale:** 1/10



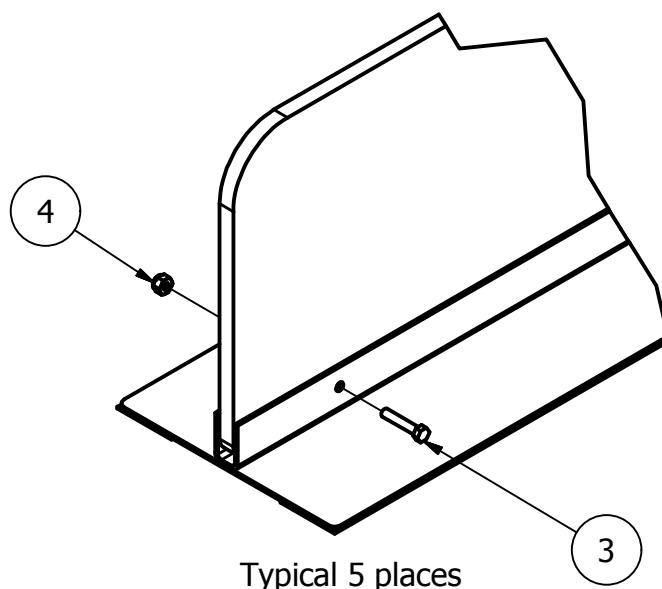
**Item:** 2, GE-11023-02 U-Channel  
**Resource:** 1  
**Scale:** 1/2

DRAWN dfoster	11/4/2010	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		SHEET 2 OF 2			

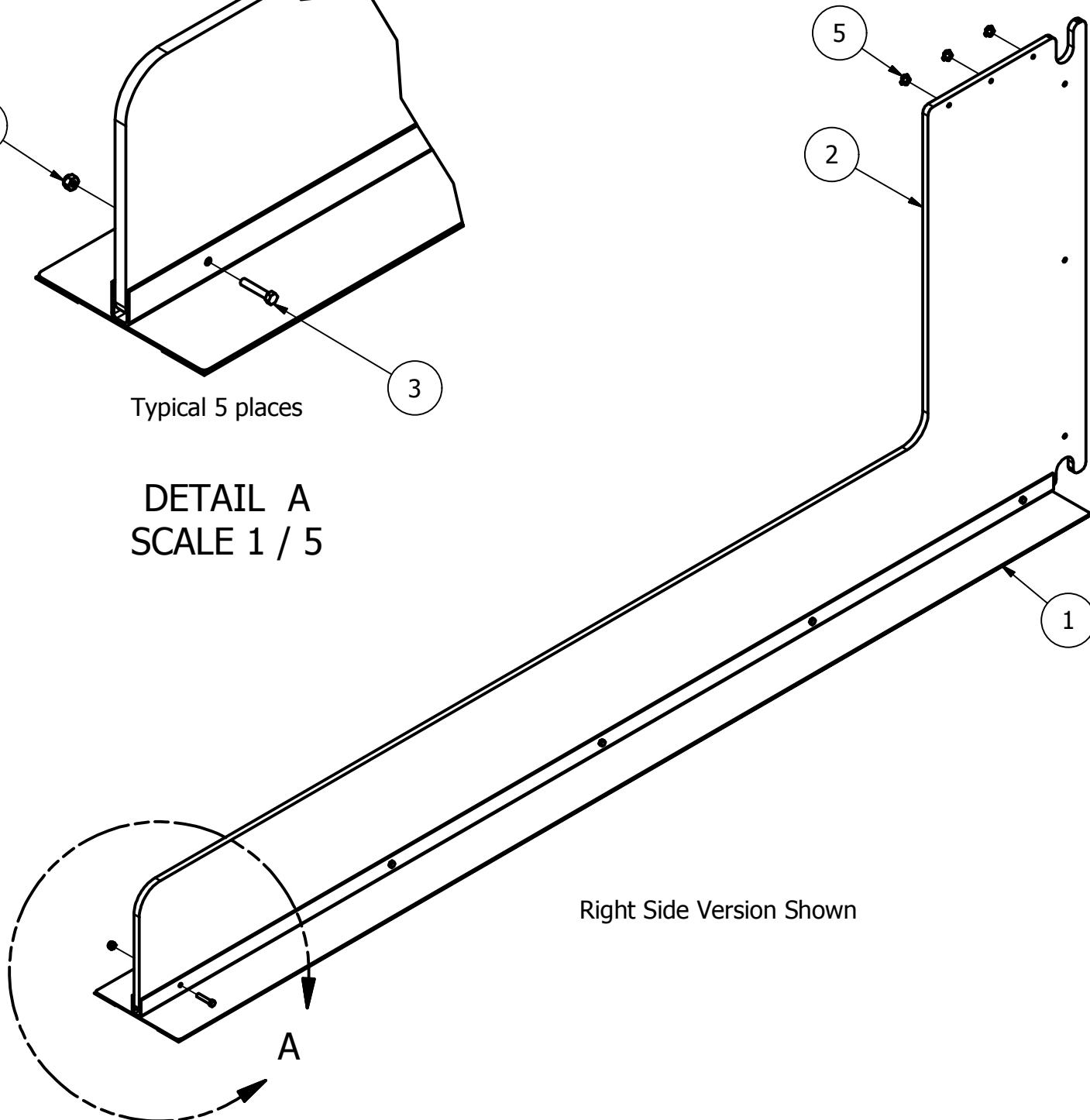


4 | 3 | 2 | 1

Note: Item 5 to be inserted from opposite side for left side version.



DETAIL A  
SCALE 1 / 5



PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	GE-11023	Base Plate, Lane Divider
2	1	GE-11024	Lane Divider
3	5	HW-00055	HHCS 1/4-20 x 1.25" Zinc Plate
4	5	HW-00002	Nut, Lock 1/4-20
5	3	HW-00017	Tee Nut, 1/4-20 Zinc Plate

DRAWN dfoster 12/27/2010  
CHECKED

UNLESS OTHERWISE SPECIFIED

TOLERANCES: (INCHES)

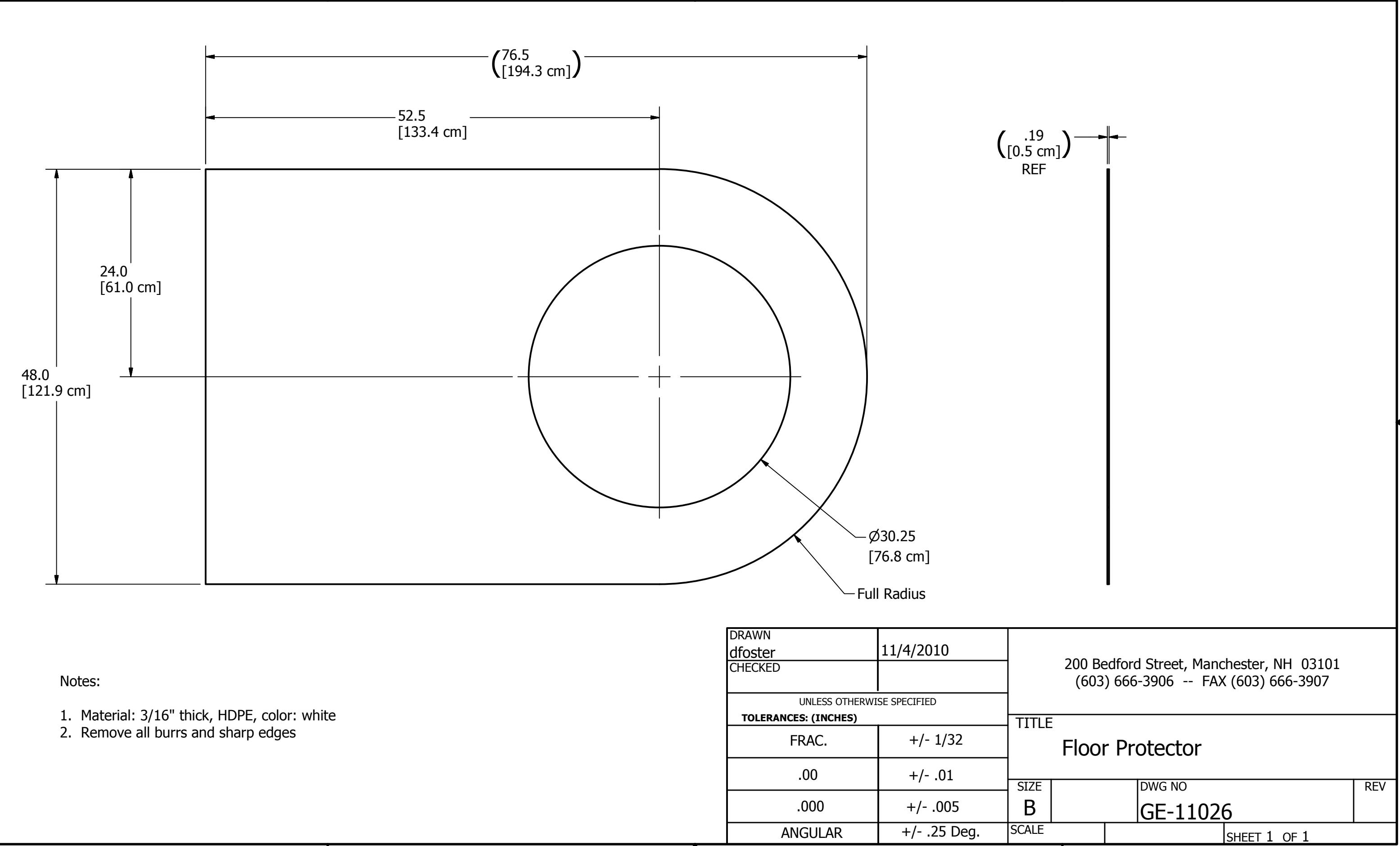
FRAC.	+/- .1/32
.00	+/- .01
.000	+/- .005
ANGULAR	+/- .25 Deg.

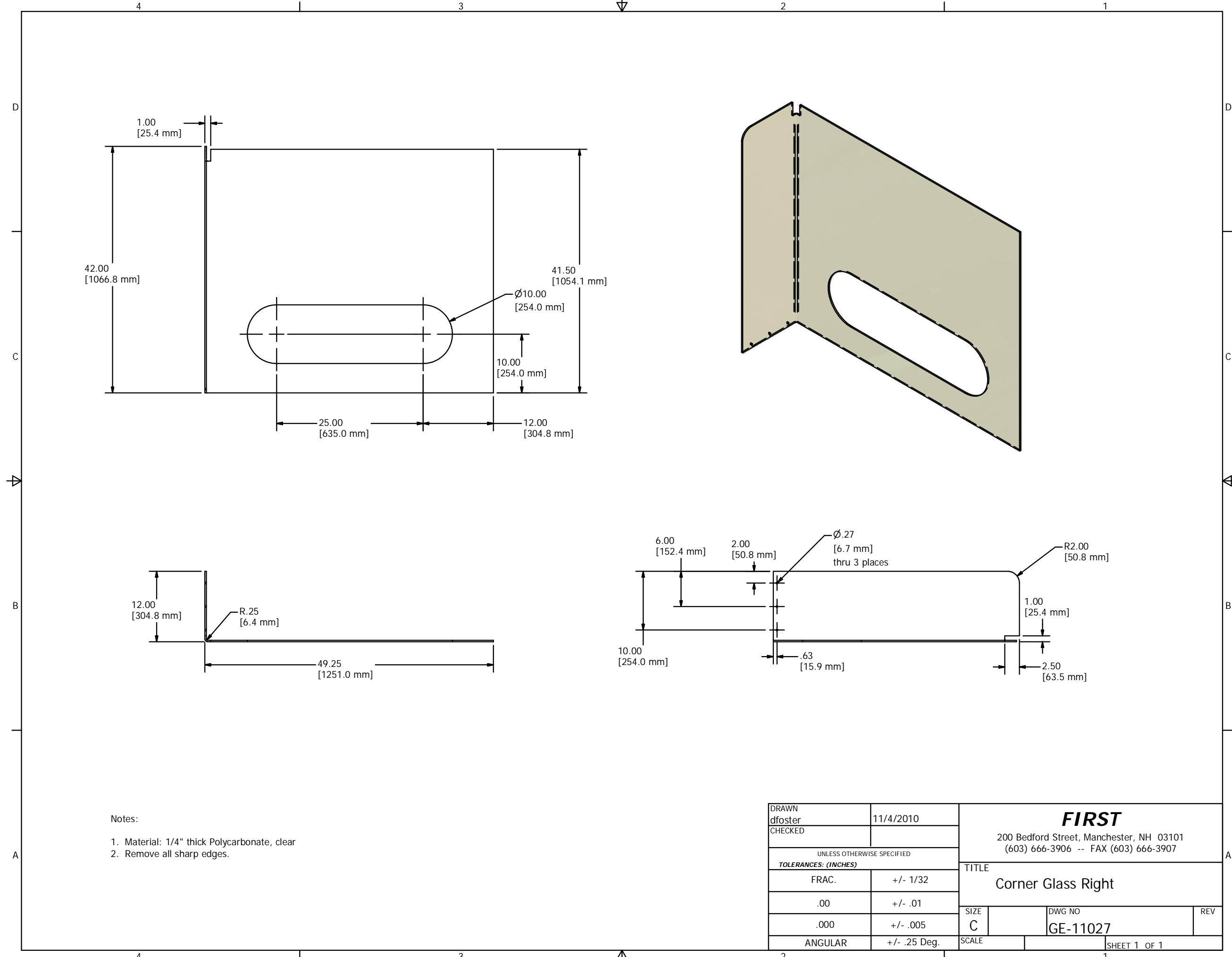
200 Bedford Street, Manchester, NH 03101  
(603) 666-3906 -- FAX (603) 666-3907

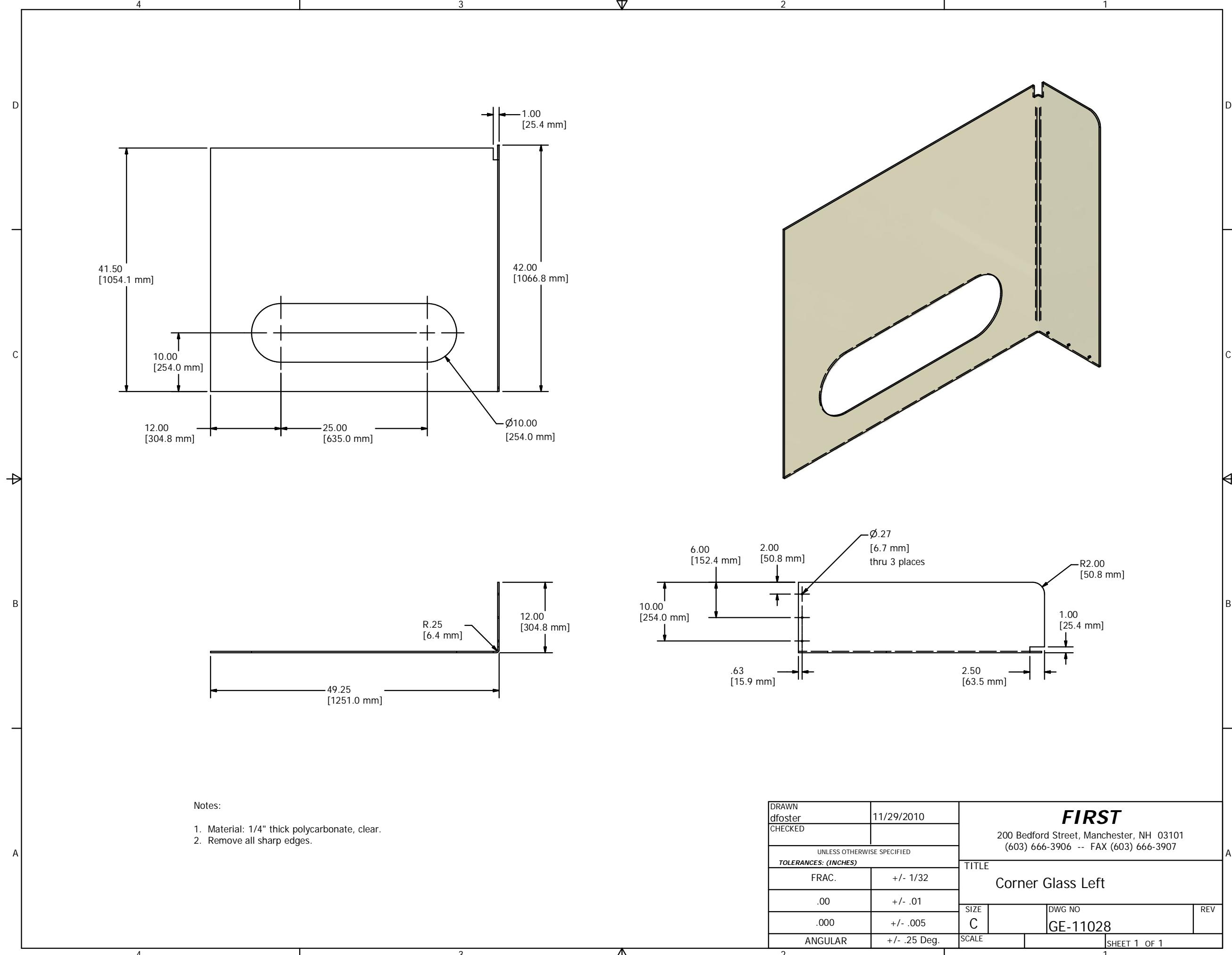
TITLE  
Lane Divider Assembly

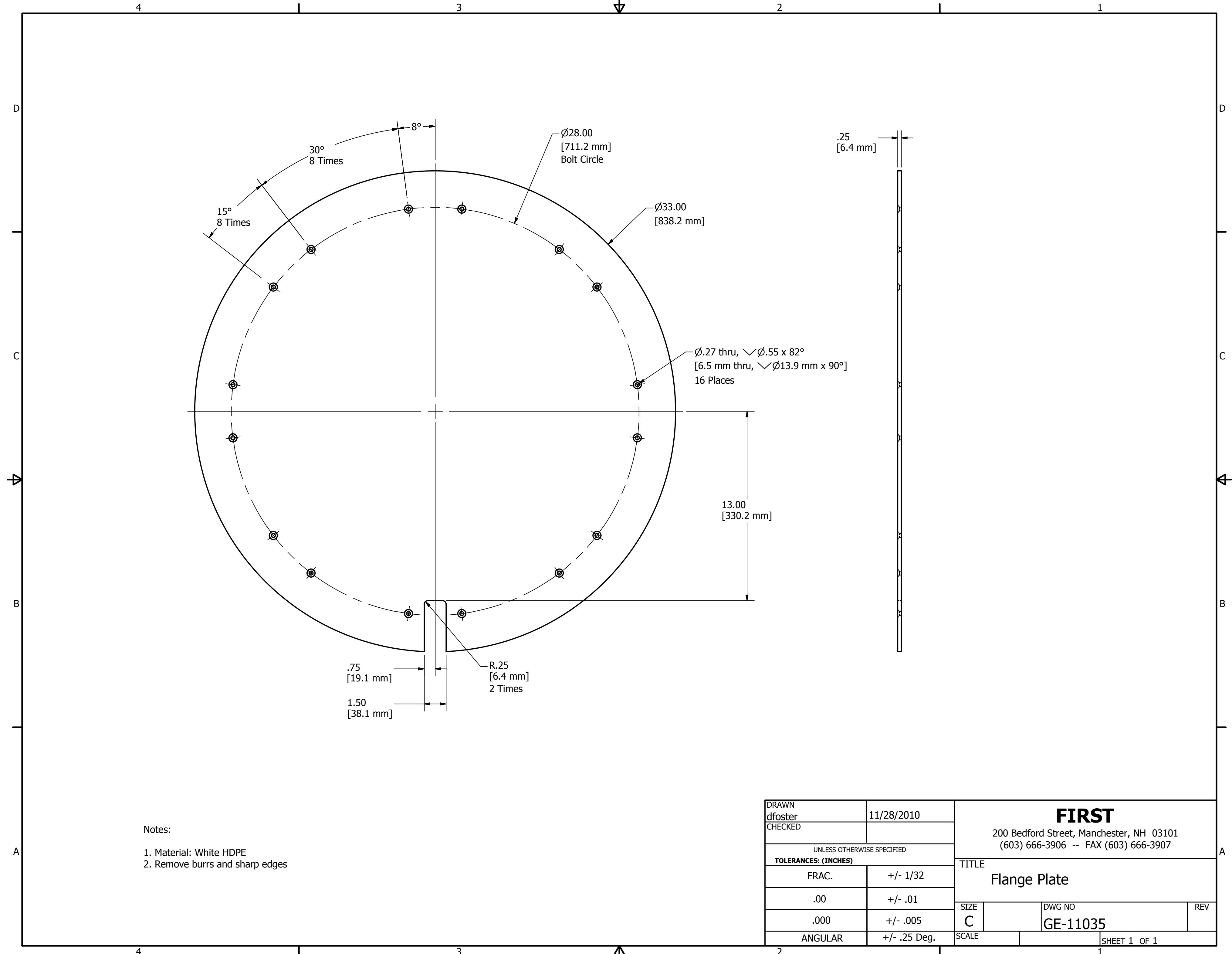
SIZE B DWG NO GE-11025 REV

SCALE SHEET 1 OF 1









4

I

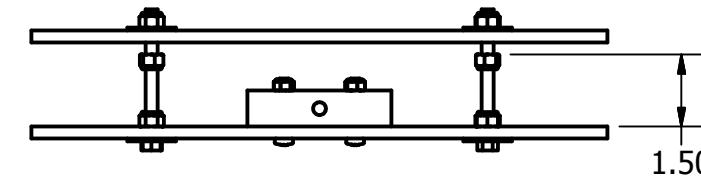
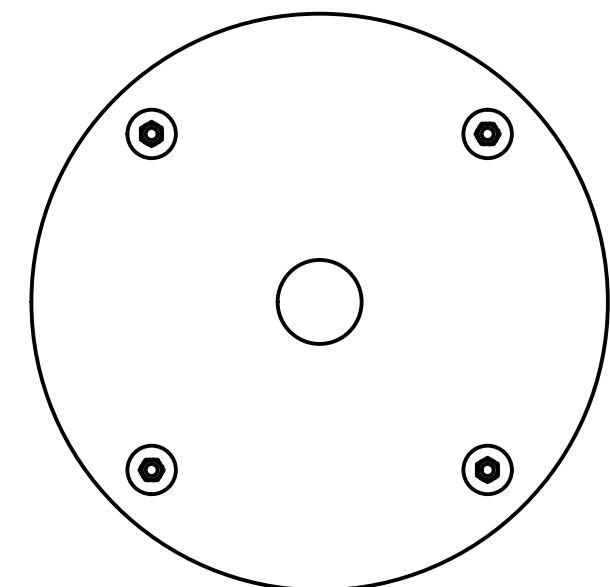
3

2

1

B

B



4

4

2

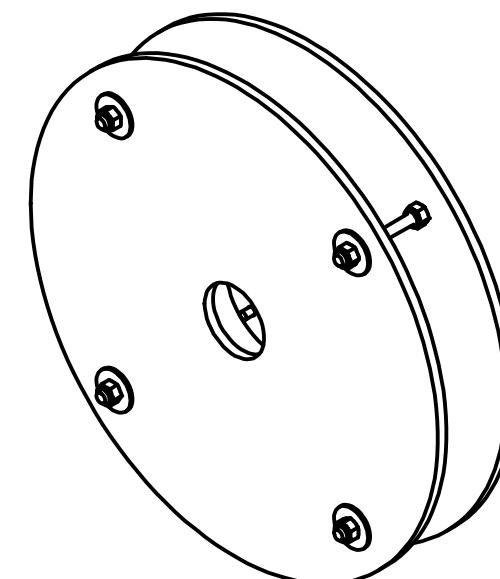
2

I

I

1

1



#### PARTS LIST

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	GE-11062	Collar
2	1	GE-11063	Top Plate
3	1	GE-11064	Bottom Plate
4	4	HW-00059	HHCS 1/4-20 x 2.75" Fully Threaded
5	8	HW-00021	Washer, Fender 1/4" Zinc Plate
6	12	HW-00002	Nut, Lock 1/4-20
7	4	HW-00060	Phillips Pan Head 10-32 x 1-1/4"
8	4	HW-00061	Nut, Nylock 10-32

DRAWN  
dfoster  
CHECKED

12/28/2010

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

Sensor Plate Assembly

#### SIZE

B

#### DWG NO

GE-11036

#### REV

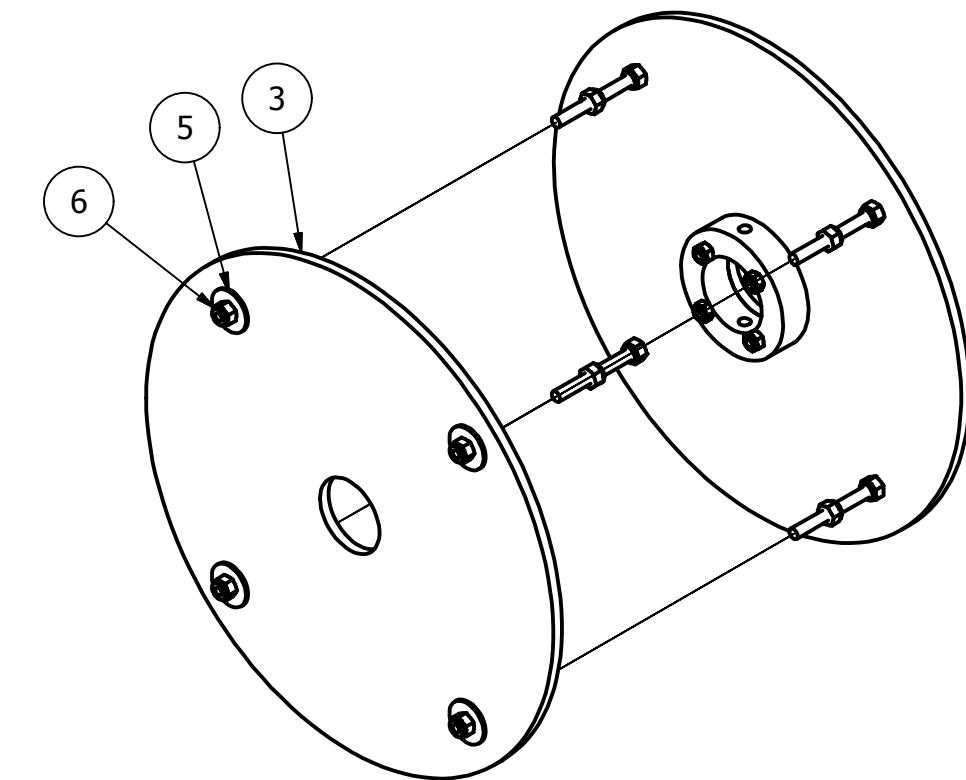
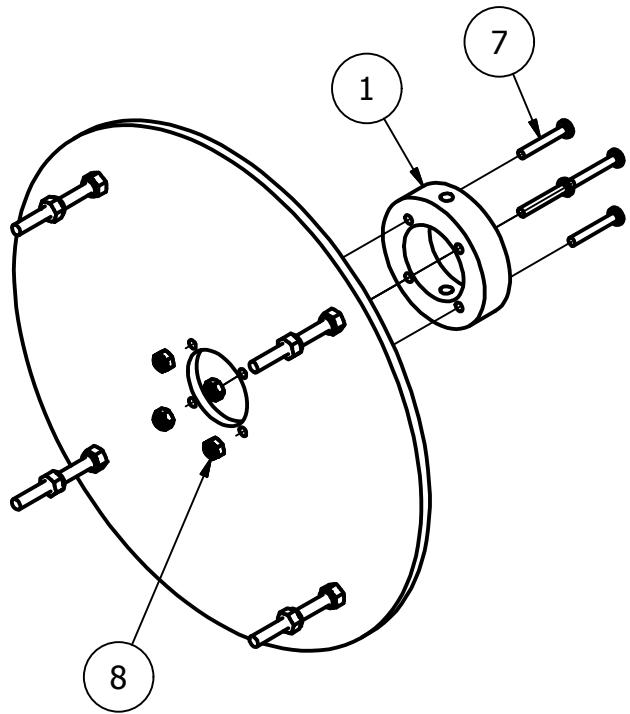
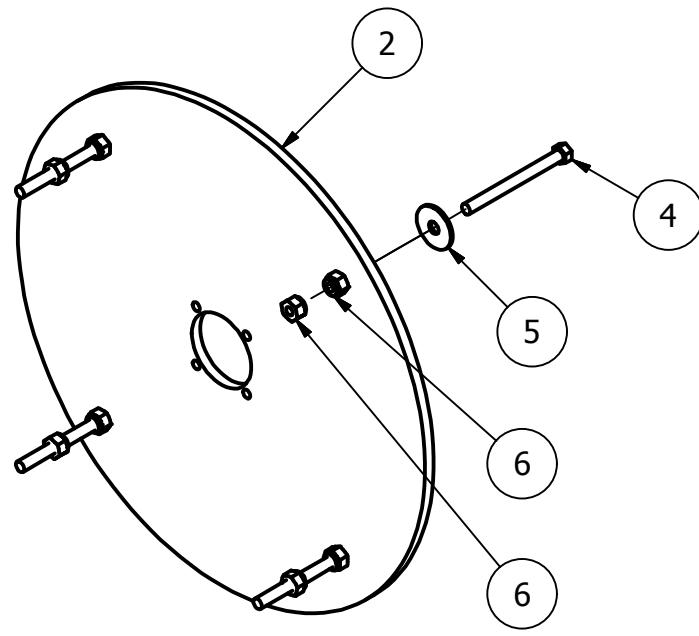
SHEET 1 OF 2

4

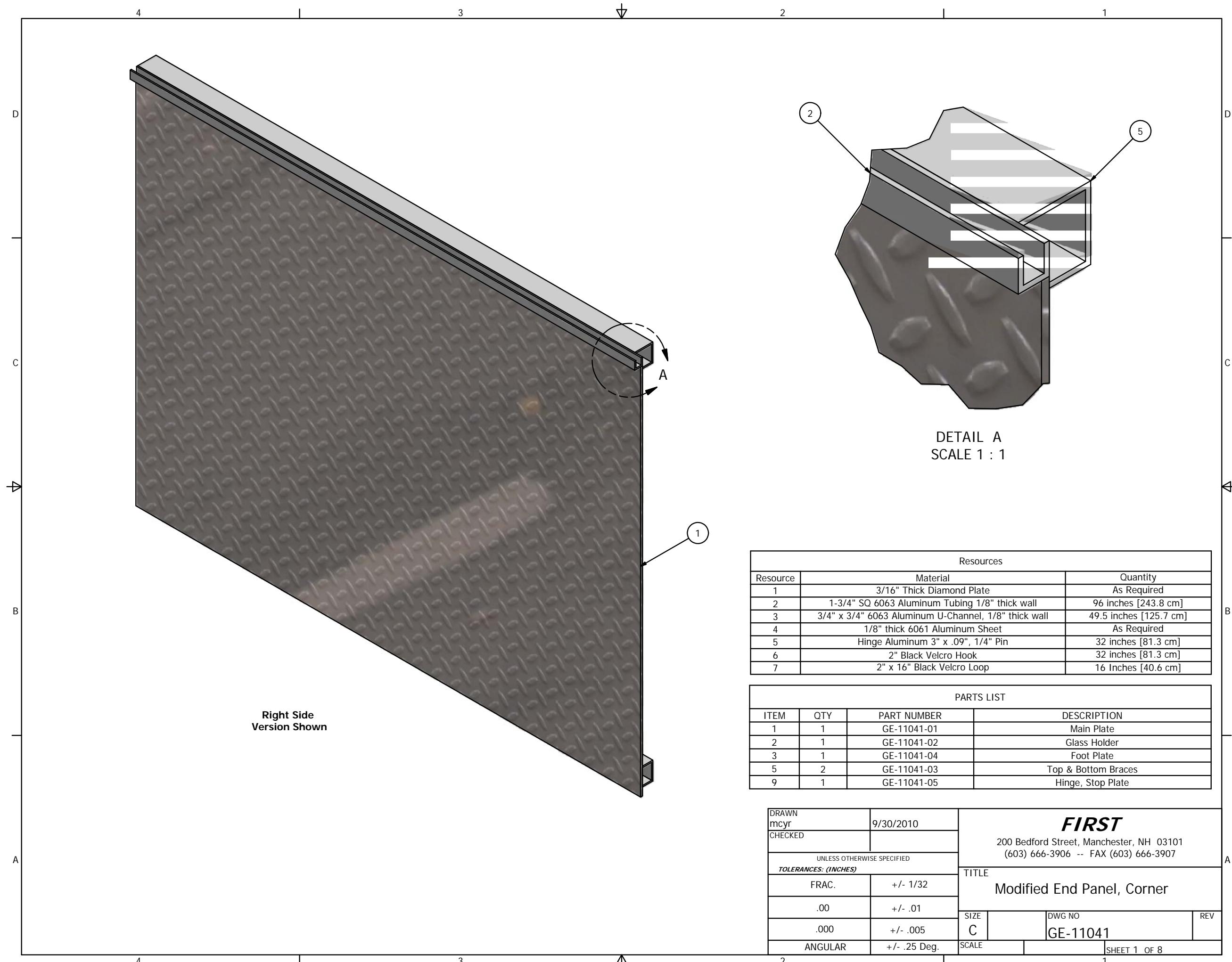
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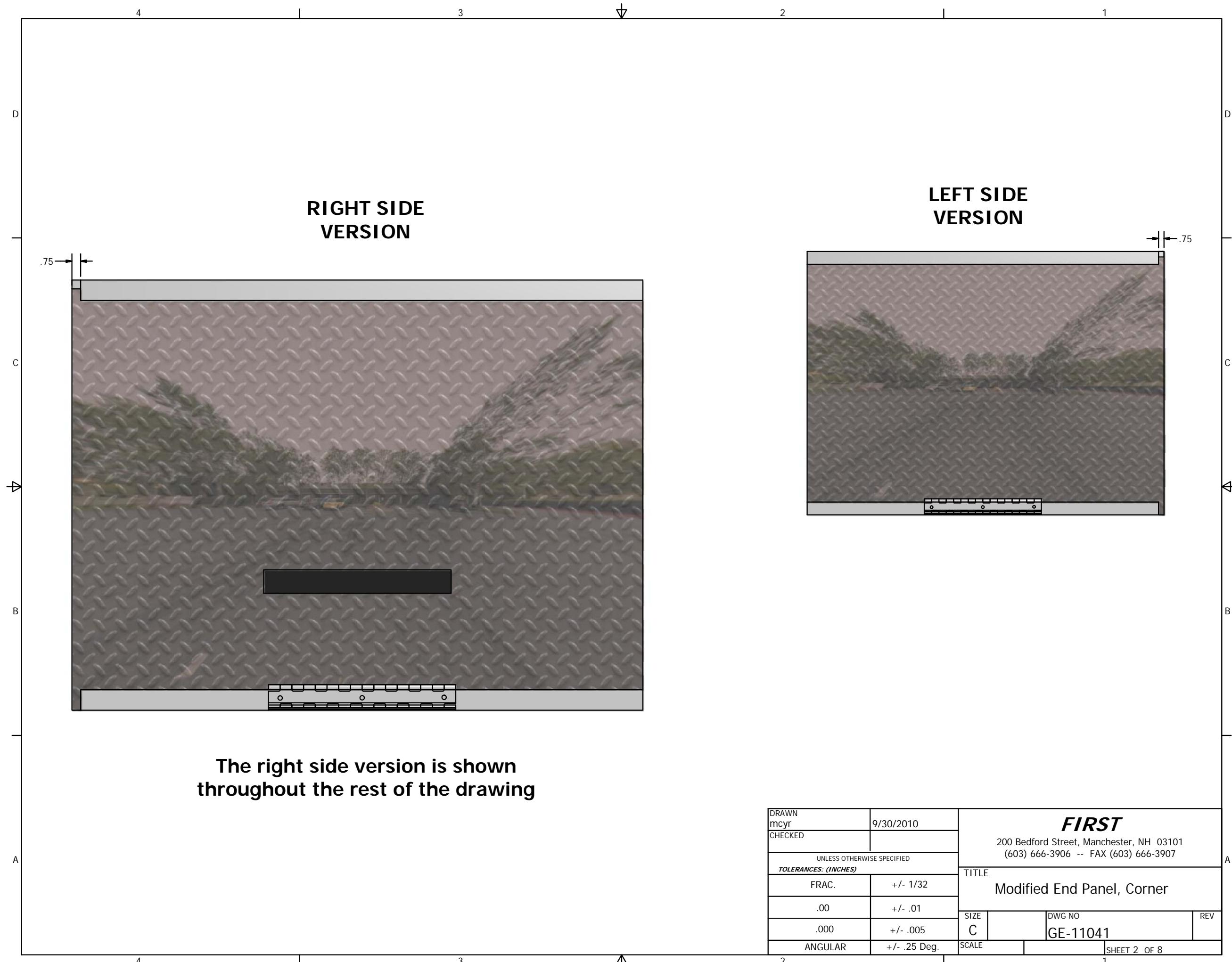
2

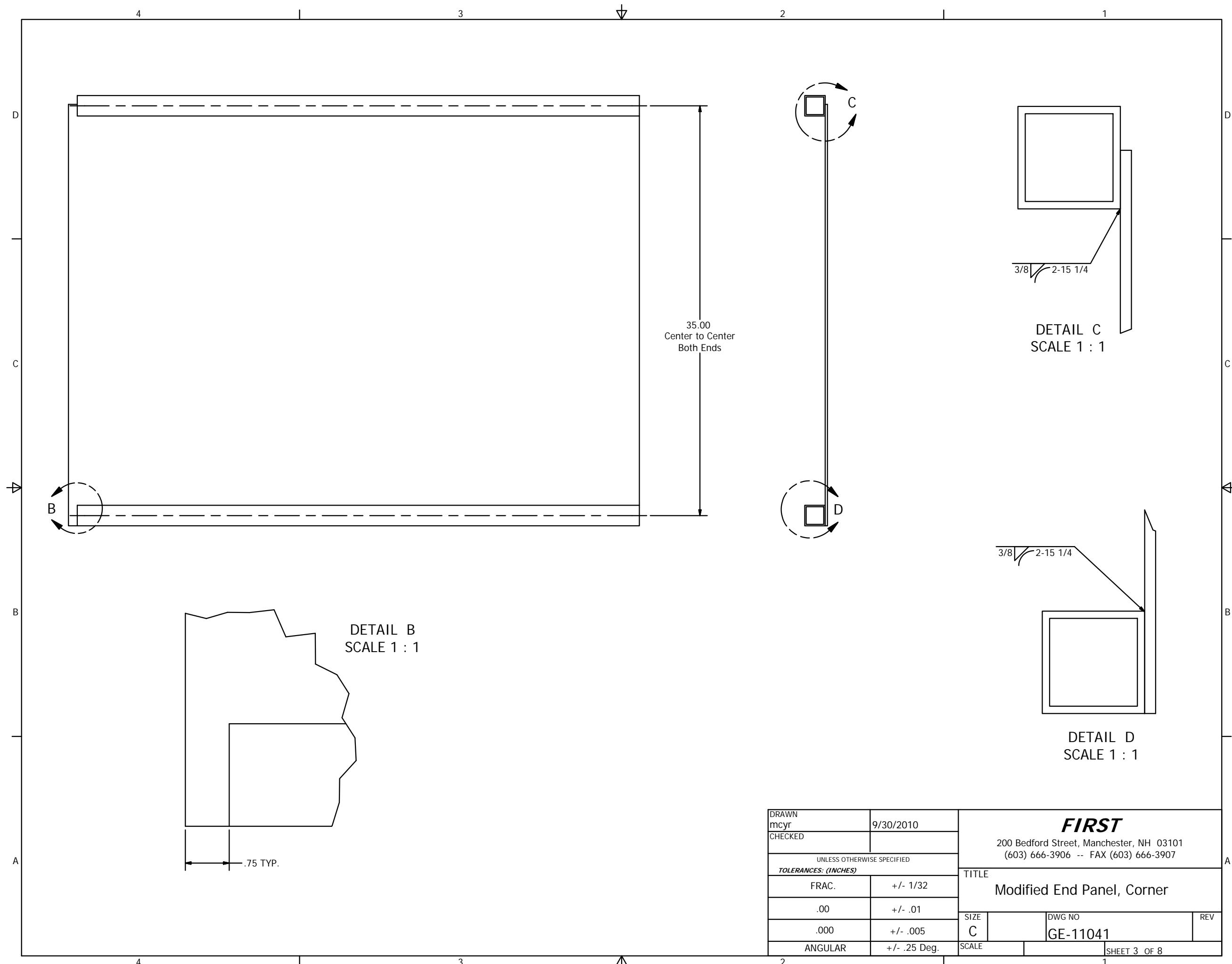
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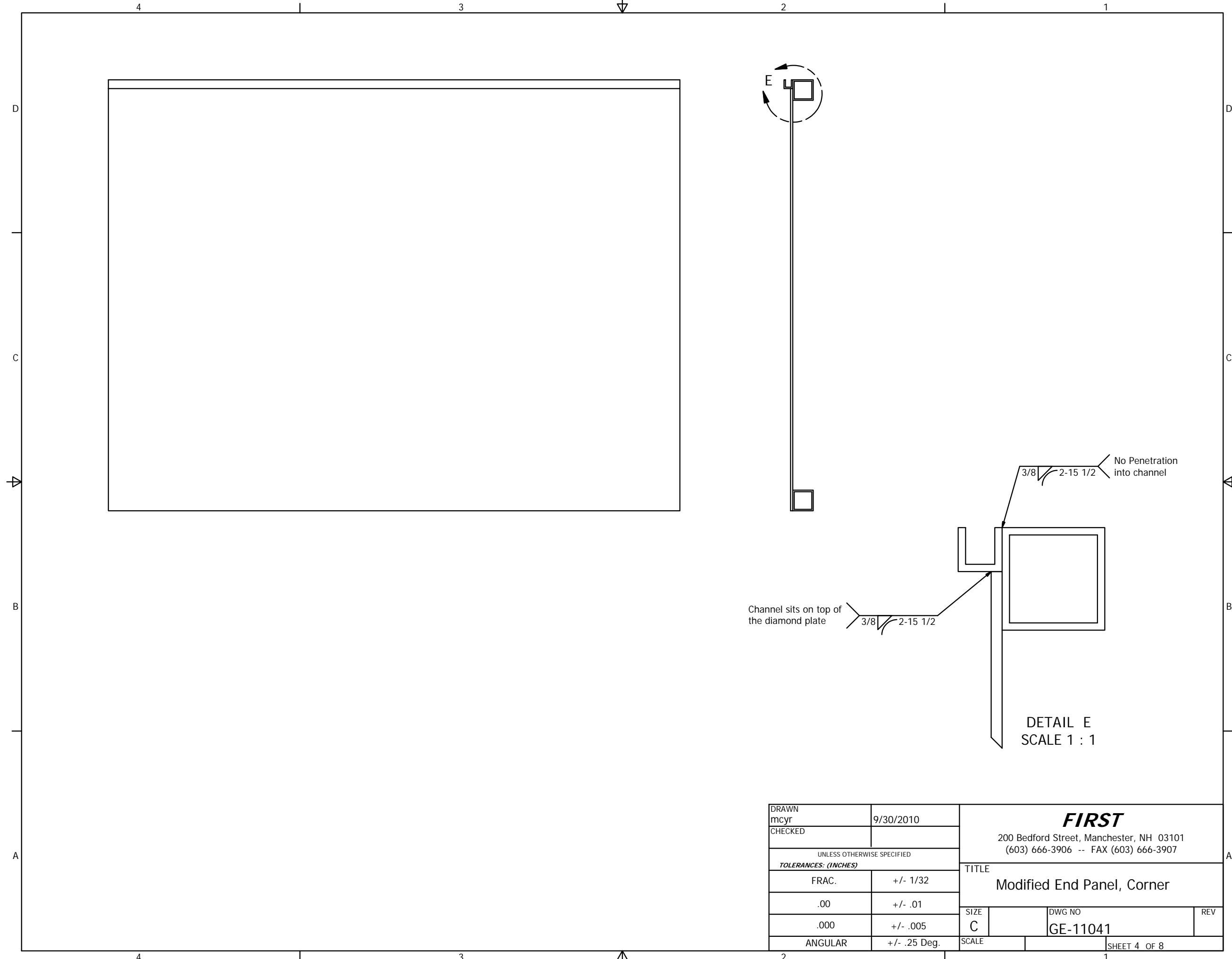


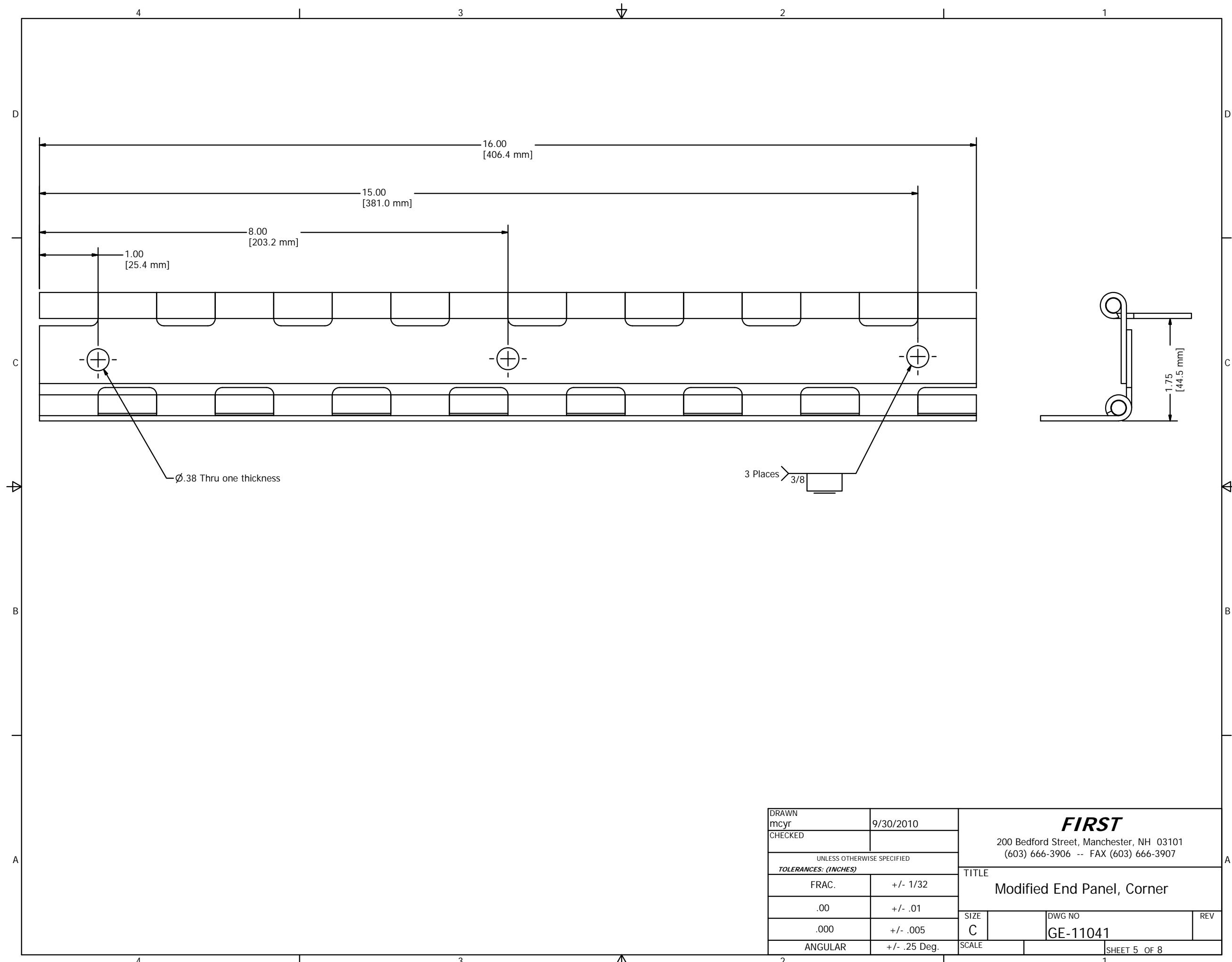
DRAWN dfoster	12/28/2010	<b>FIRST</b>			
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907			
UNLESS OTHERWISE SPECIFIED					
TOLERANCES: (INCHES)		TITLE			
FRAC.	+/- 1/32	Sensor Plate Assembly			
.00	+/- .01	SIZE	DWG NO	REV	
.000	+/- .005	B	GE-11036		
ANGULAR	+/- .25 Deg.	SCALE		SHEET 2 OF 2	



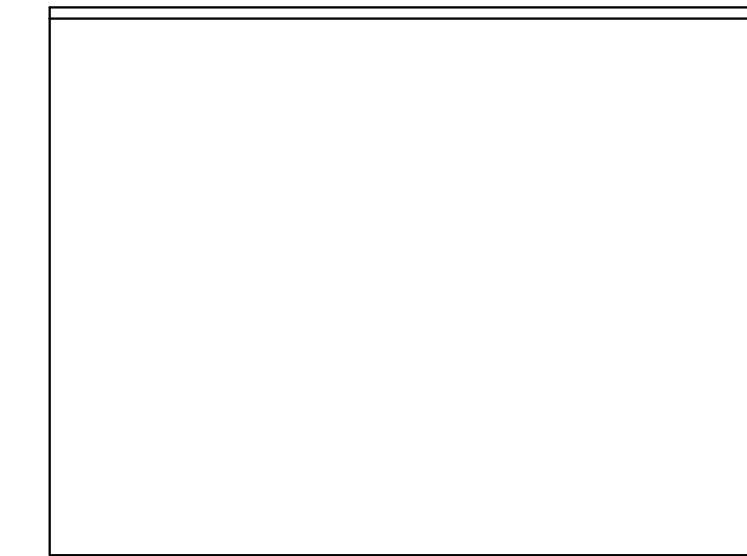
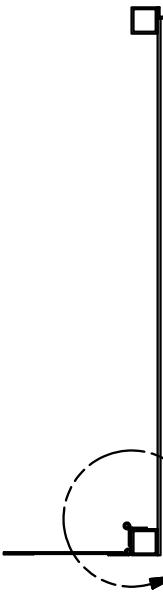
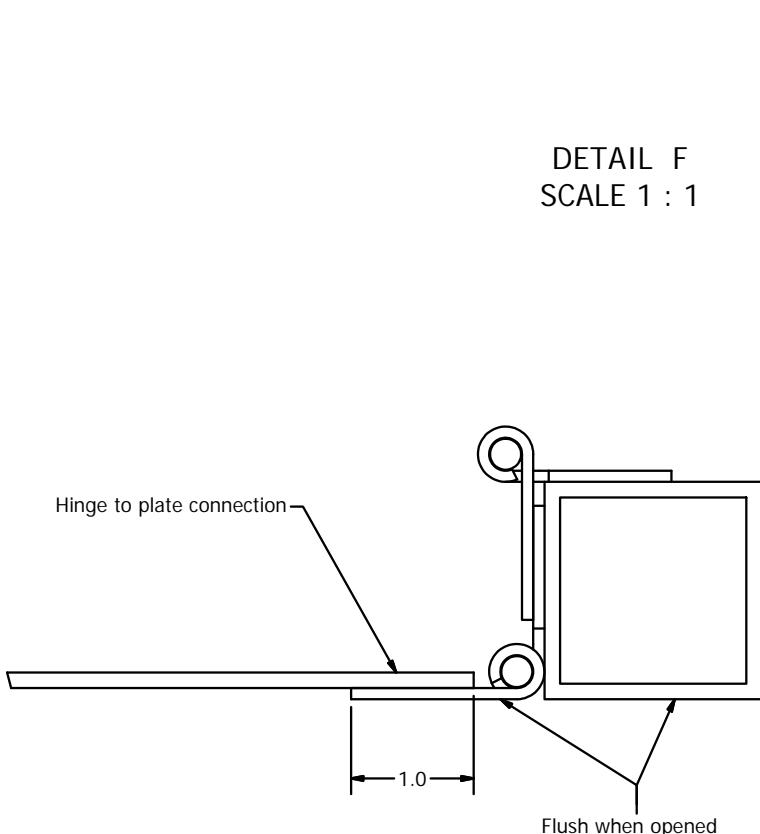








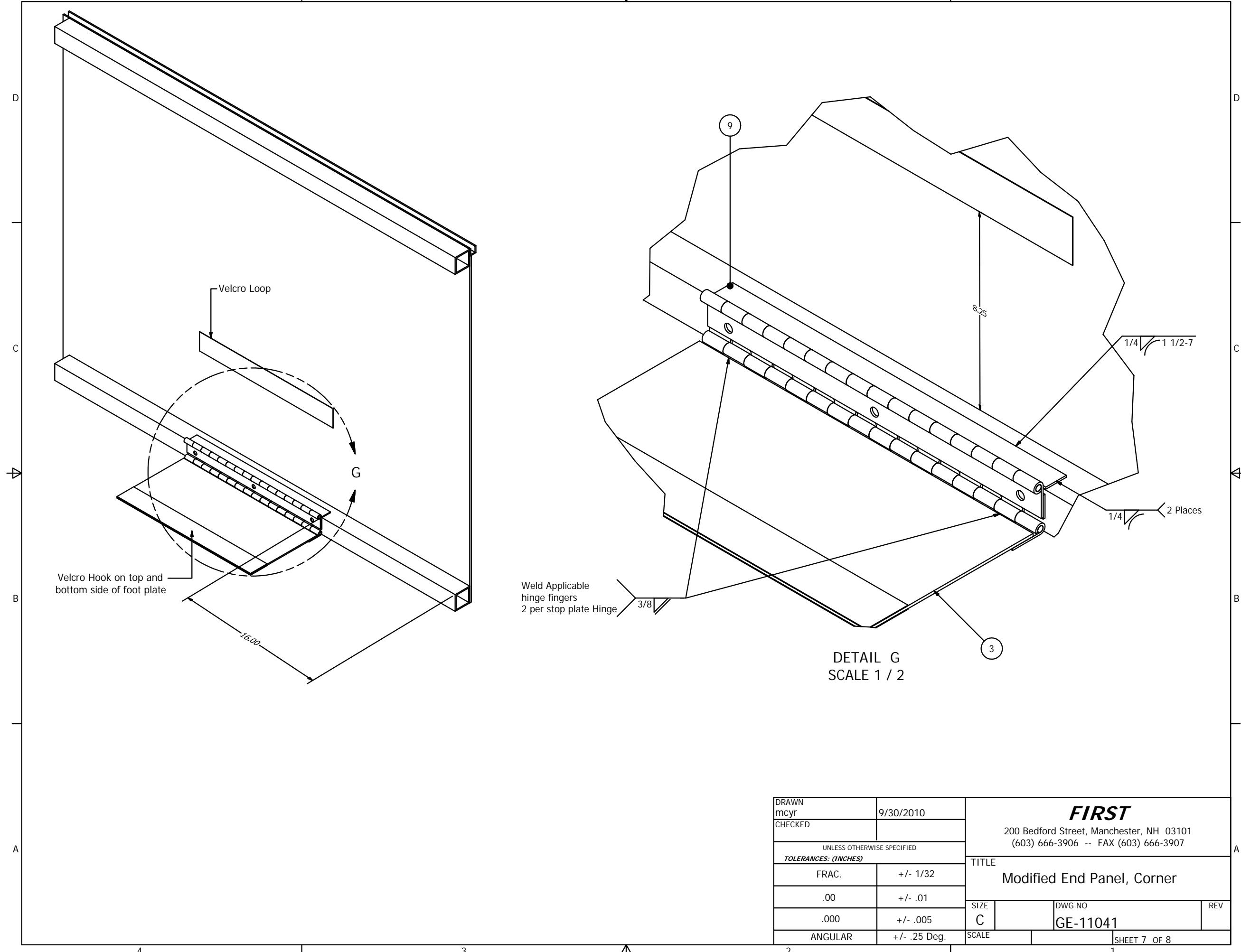
D  
C  
B  
A

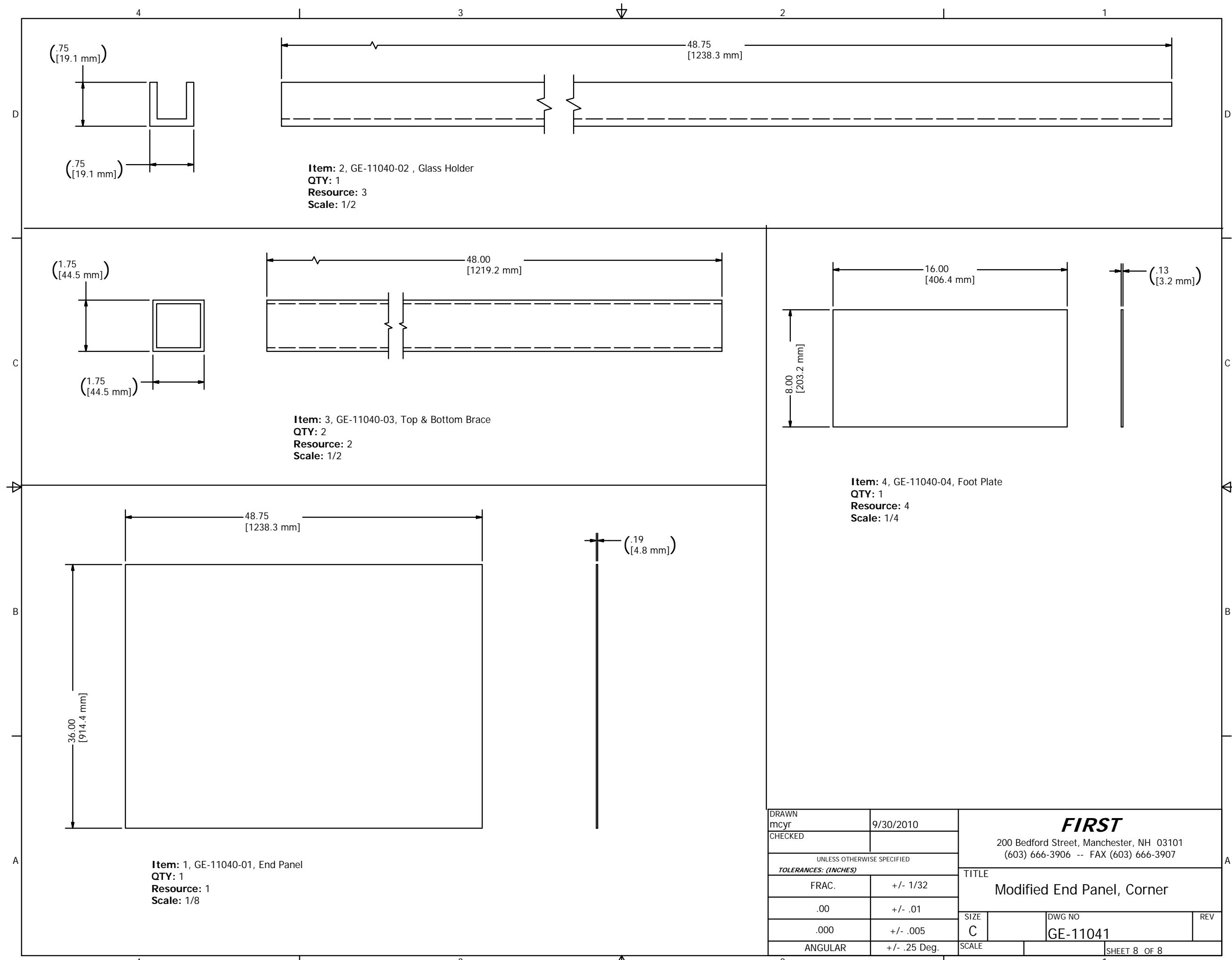


4 1 3 2 1

4 2 1

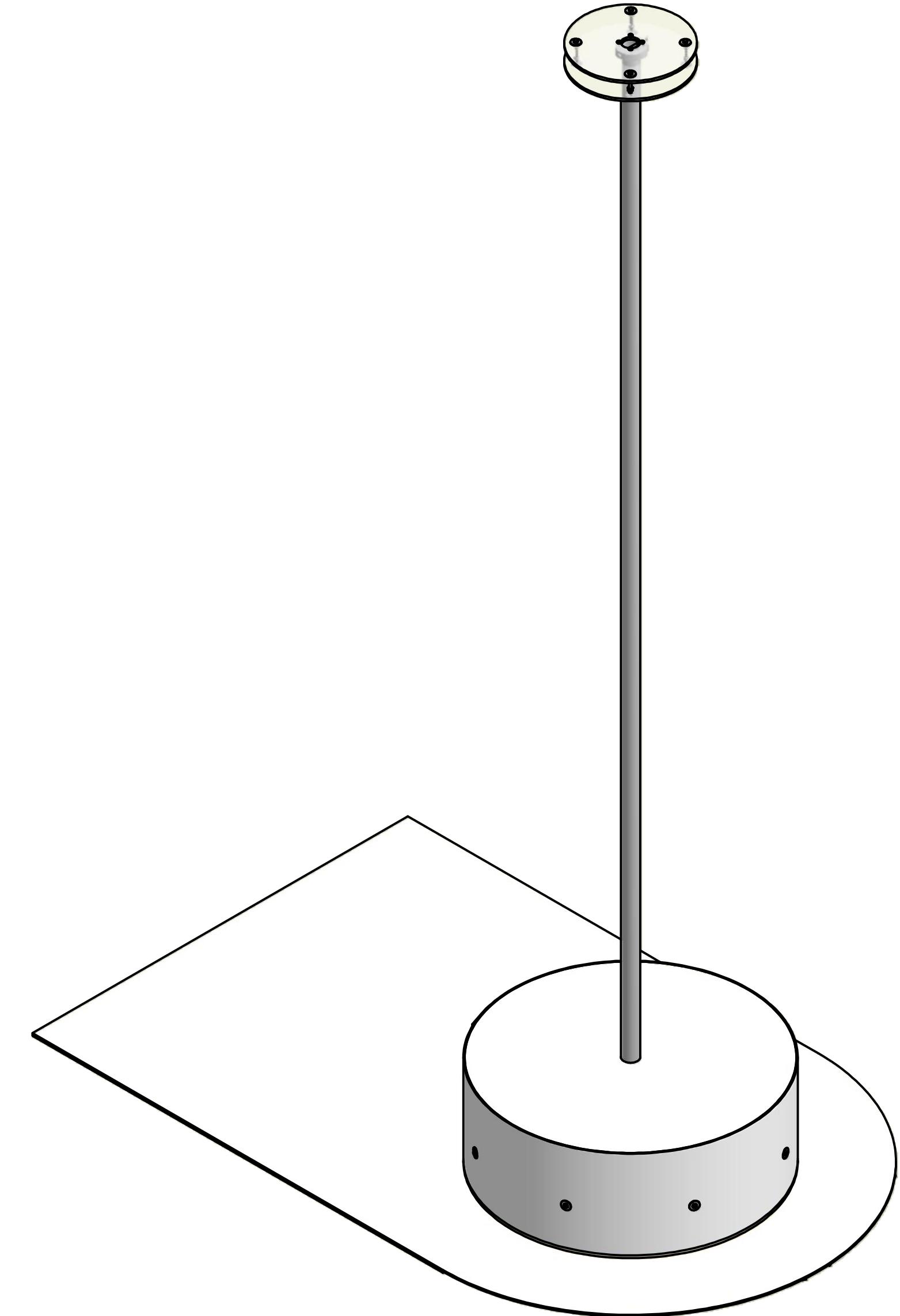
DRAWN mcyr	9/30/2010	<b>FIRST</b>	
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907	
UNLESS OTHERWISE SPECIFIED <b>TOLERANCES: (INCHES)</b>			
FRAC.	+/- 1/32	TITLE	Modified End Panel, Corner
.00	+/- .01	SIZE	DWG NO
.000	+/- .005	C	GE-11041
ANGULAR	+/- .25 Deg.	SCALE	REV
			SHEET 6 OF 8





4 | 3 | 2 | 1

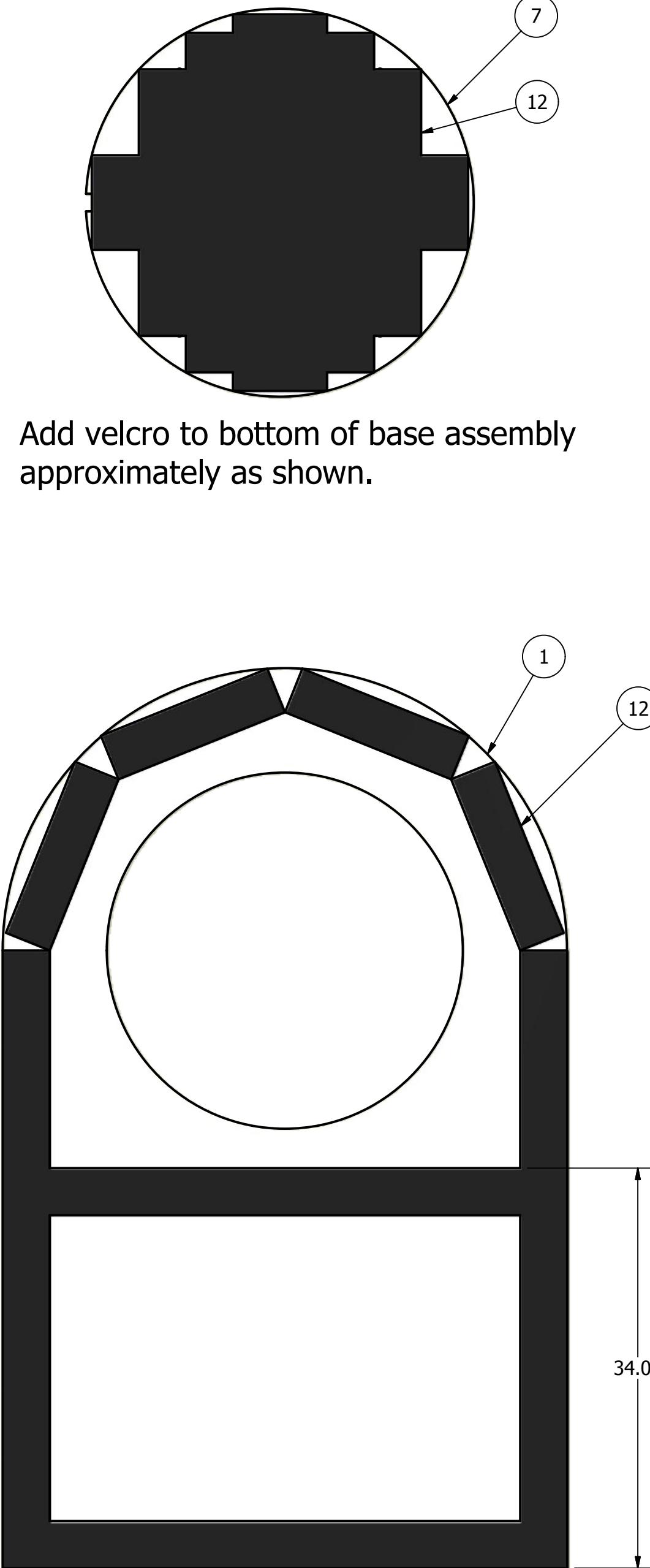
D | D  
C | C  
B | B  
A | A



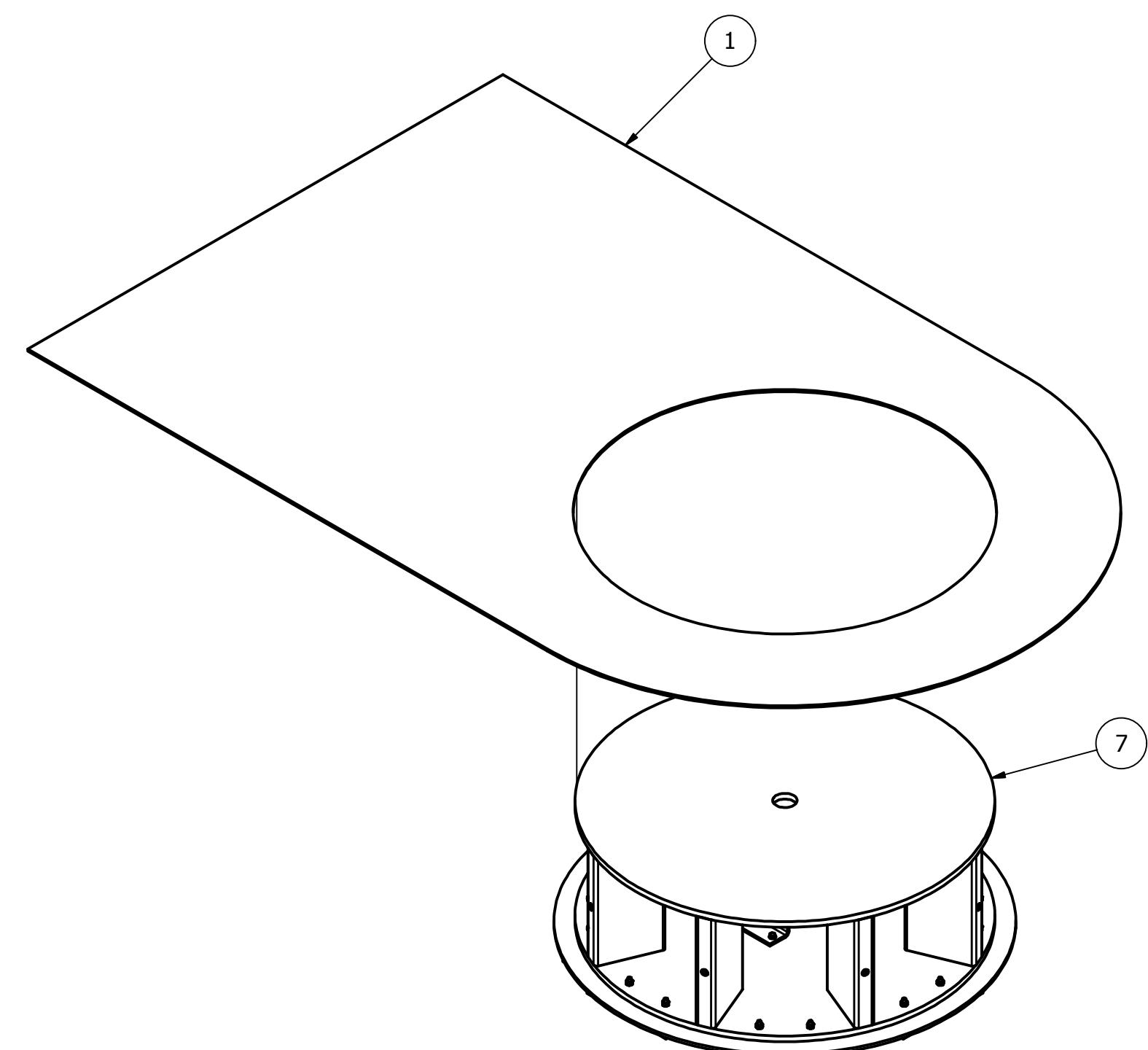
PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	GE-11026	Floor Protector
2	1	GE-11061	Pole
3	1	GE-11036	Sensor Plate Assembly
4	1	GE-11057	Base Top Plastic
5	1	GE-11056	Base Foam
6	1	GE-11050	Base Plastic Wrap
7	1	GE-11058	Base Assembly
8	10	HW-00056	BHCS 1/4-20 x 1"
9	10	HW-00021	Washer, Fender 1/4" Zinc Plate
10	1	HW-00062	BHCS 1/4-20 x 3.5"
11	1	HW-00011	1/4-20 Wing Nut
12	1		Velcro, Hook Adhesive Backed 4" Wide

DRAWN dfoster	12/28/2010	<b>FIRST</b> 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907			
CHECKED					
UNLESS OTHERWISE SPECIFIED					
TOLERANCES: (INCHES)					
FRAC.	+/- 1/32	TITLE Tower Assembly			
.00	+/- .01				
.000	+/- .005	SIZE C	DWG NO GE-11049		
ANGULAR	+/- .25 Deg.	SCALE	REV		
			SHEET 1 OF 3		

4 | 3 | 2 | 1



Add velcro to bottom of floor protector  
approximately as shown.



#### Assembly Instruction:

1. Position Item 7 on Carpet in its correct location on the field.
2. Lower Item 1 (velcro side facing carpet) so that the large hole is centered around Item 7

DRAWN dfoster	12/28/2010	<b>FIRST</b>	
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907	
UNLESS OTHERWISE SPECIFIED			
TOLERANCES: (INCHES)		TITLE	
FRAC.	+/- 1/32	Tower Assembly	
.00	+/- .01	SIZE	
.000	+/- .005	DWG NO	
ANGULAR	+/- .25 Deg.	SCALE	REV
		GE-11049	
		SHEET 2 OF 3	

D

D

C

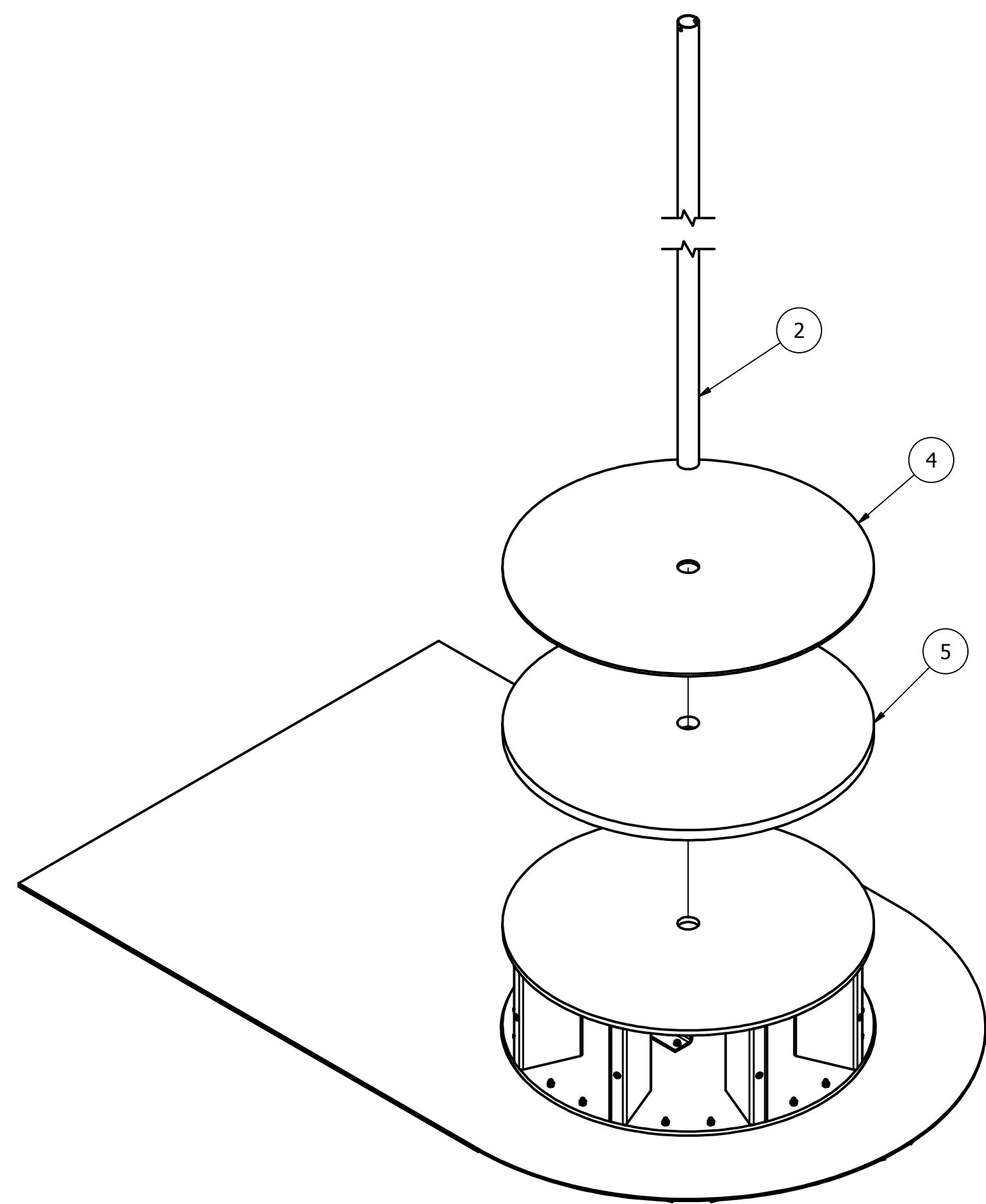
C

B

B

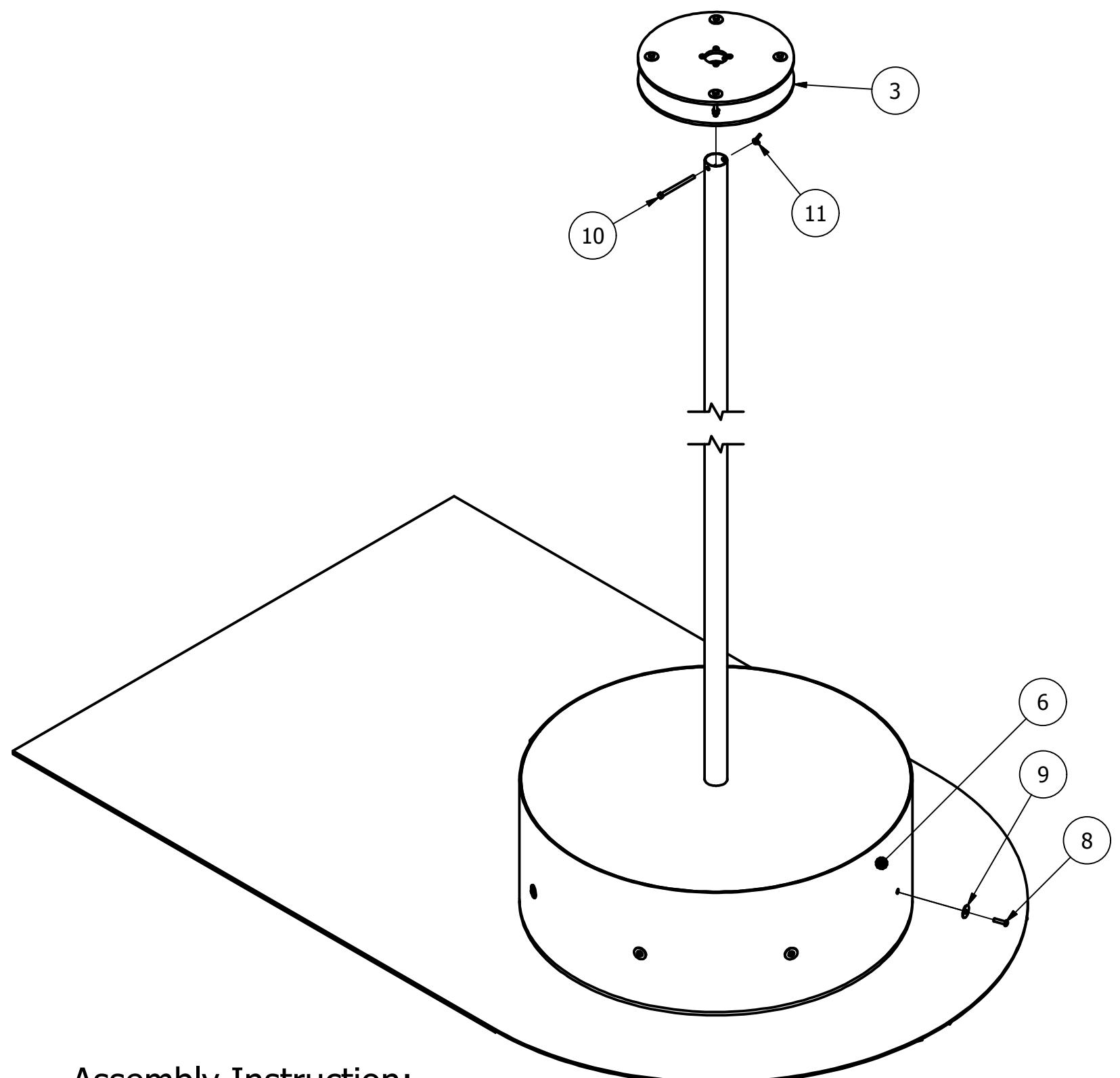
A

A



**Assembly Instruction:**

1. Place Item 5 onto Base assembly. Make sure hole in center is aligned to the hole in the base.
2. Repeat step 1 using Item 4.
3. Insert Item 2 through Items 4 and 5 and the Base Assembly. Pipe should fit into the EMT coupling. Tighten coupling.



**Assembly Instruction:**

1. Wrap Item 6 around Base assembly. Use Items 8 and 9 to secure it to the base at appropriate locations.
2. Lower Item 3 so that the aluminum collar fits around EMT pole. Align hole in collar to the hole in the pole. Insert Item 10 and secure it with Item 11. (this step can be completed prior to insertion of pole into base)

DRAWN dfoster	12/28/2010	<b>FIRST</b>	
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907	
UNLESS OTHERWISE SPECIFIED			
TOLERANCES: (INCHES)		TITLE	
FRAC.	+/- 1/32	Tower Assembly	
.00	+/- .01	SIZE	DWG NO
.000	+/- .005	C	GE-11049
ANGULAR	+/- .25 Deg.	SCALE	REV
		SHEET 3 OF 3	

4

3

2

1

D

D

11.25  
[285.8 mm]8.25  
[209.6 mm]4.75  
[120.7 mm]1.25  
[31.8 mm].00  
.00 mm].00  
.00 mm].75  
.75 mm]12.56  
[319.0 mm]24.37  
[619.0 mm]36.18  
[919.0 mm]47.99  
[1218.9 mm]59.80  
[1518.9 mm]71.61  
[1818.9 mm]83.42  
[2118.9 mm]95.25  
[2419.4 mm]96.00  
[2438.4 mm]

▼

→

←

B

B

.13  
[3.2 mm]**NOTES:**

- 1.) Material: White LDPE
- 2.) Remove burrs and sharp edges

DRAWN mcyr	11/10/2010	<b>FIRST</b> 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907					
CHECKED							
UNLESS OTHERWISE SPECIFIED							
<b>TOLERANCES: (INCHES)</b>							
FRAC.	+/- 1/32	TITLE  Plastic Wrap	SIZE  C	DWG NO  GE-11050			
.00	+/- .01						
.000	+/- .005						
ANGULAR	+/- .25 Deg.						
SCALE							
				SHEET 1 OF 1			

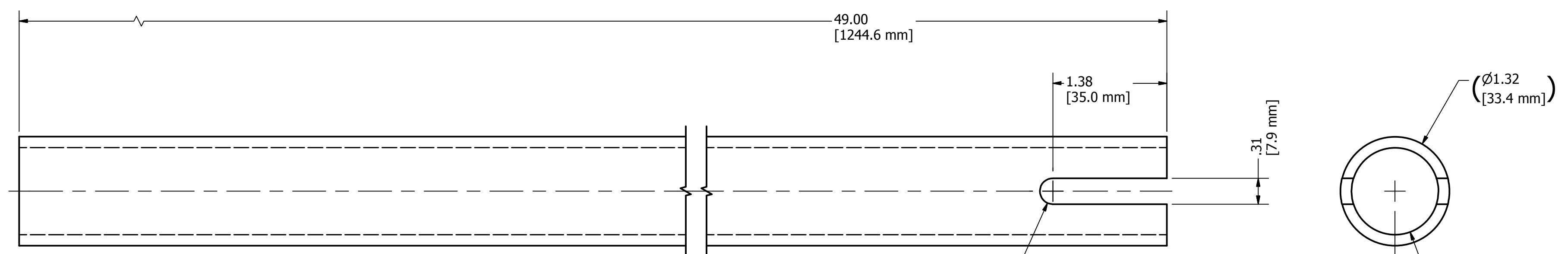
4

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1

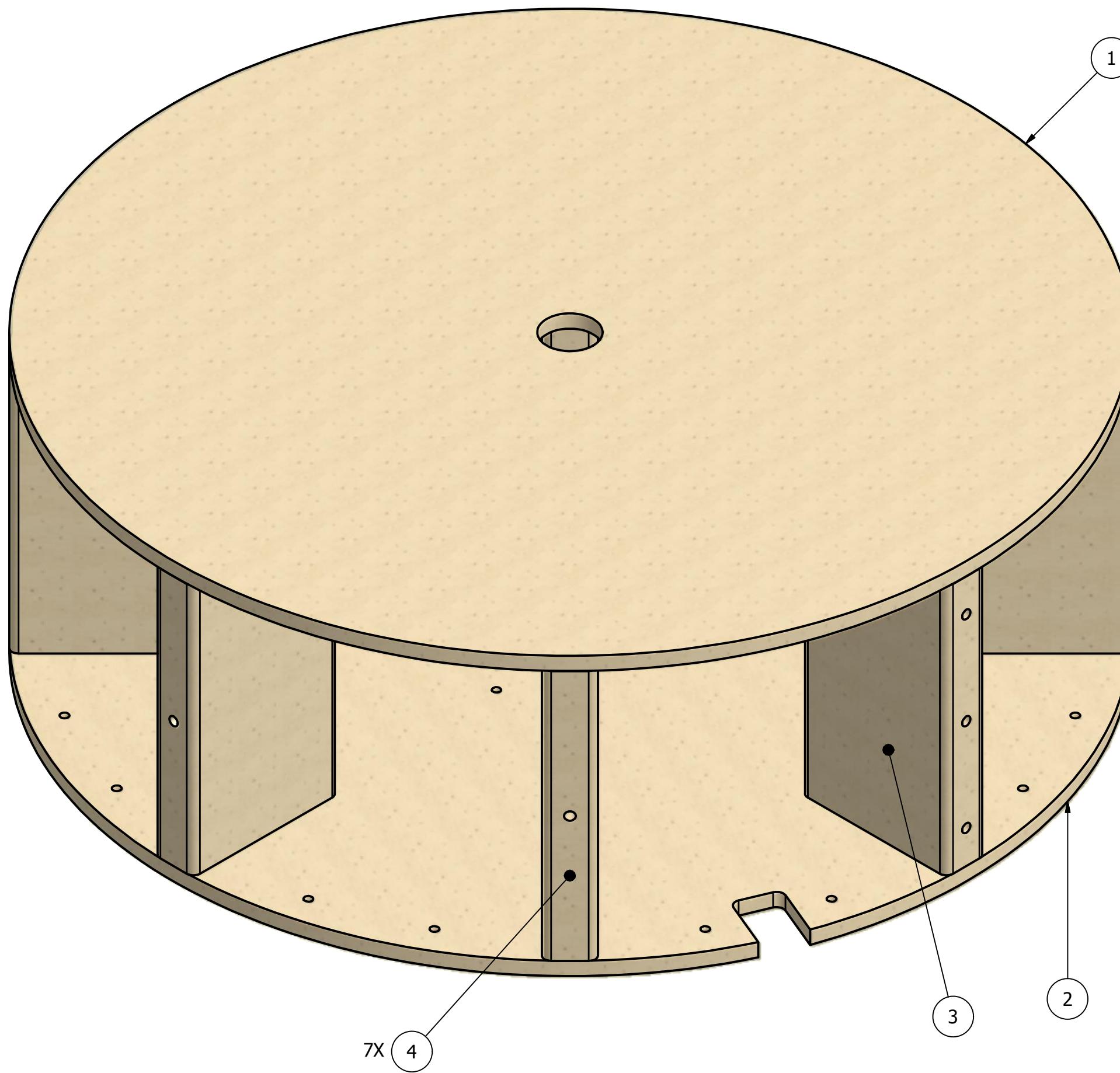
↑



**NOTE:**

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

DRAWN mcyr	11/10/2010	<b>FIRST</b> 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	SIZE <b>C</b>	DWG NO <b>GE-11051</b>
ANGULAR	+/- .25 Deg.	SCALE	REV
			SHEET 1 OF 1

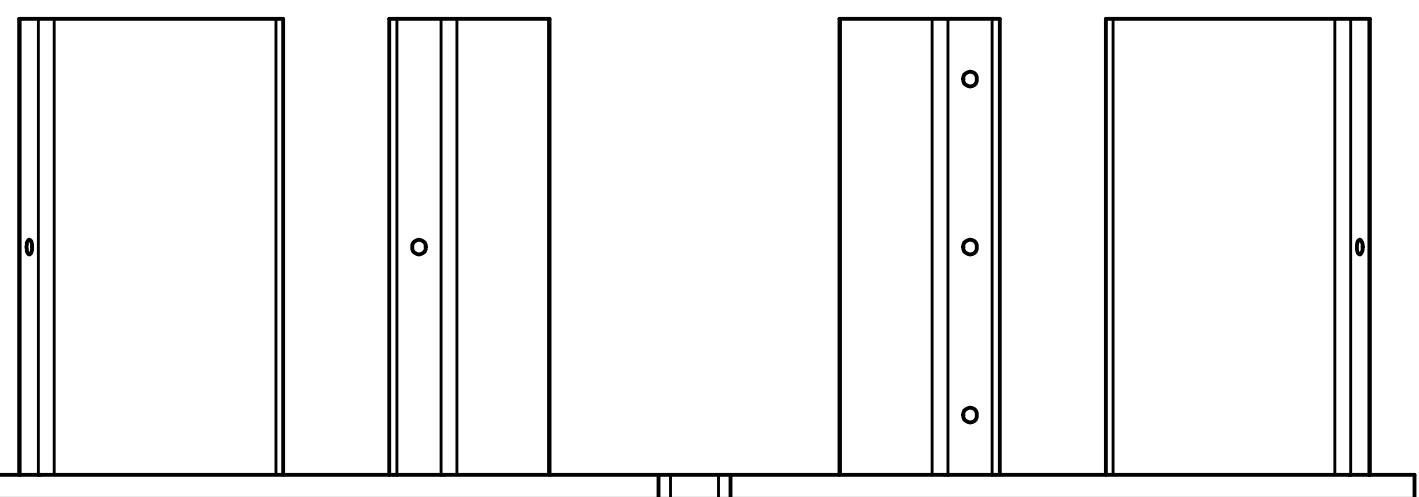
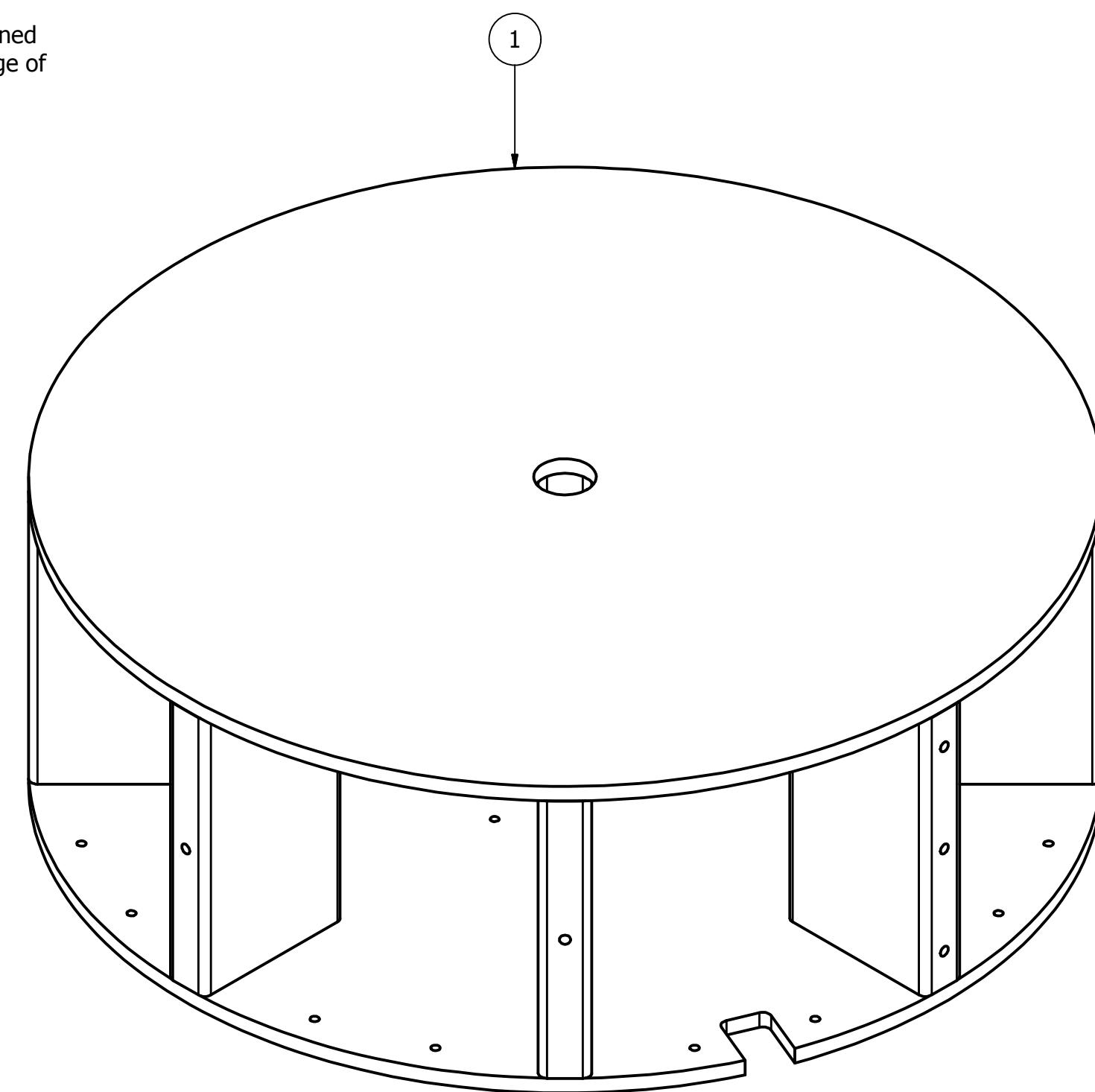
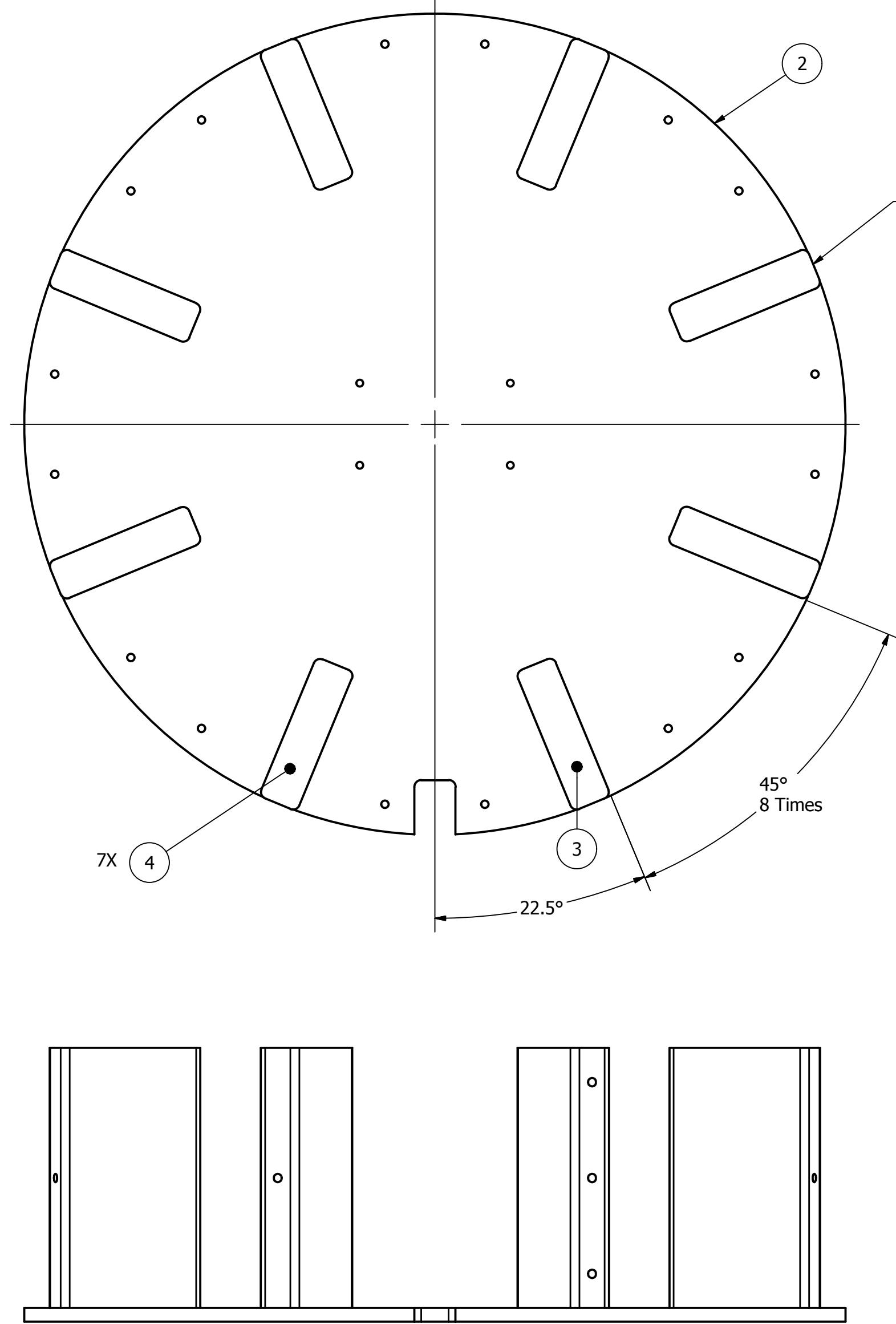


Resources		
Resource	Material	Quantity
1	1/2" AC Exterior Plywood 4ft x 8ft sheet	1 sheet
2	2X6 Pine Board	6.5 feet [198.1 cm]
3	Wood Glue	As Required
4	Wood Screws	As Required

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	GE-11052-01	Base Top
2	1	GE-11052-02	Base Bottom
3	1	GE-11052-03	Base Support 1
4	7	GE-11052-04	Base Support 2

DRAWN mcyr	11/15/2010	<b>FIRST</b>  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-11052	
	REV		
		SHEET 1 OF 4	



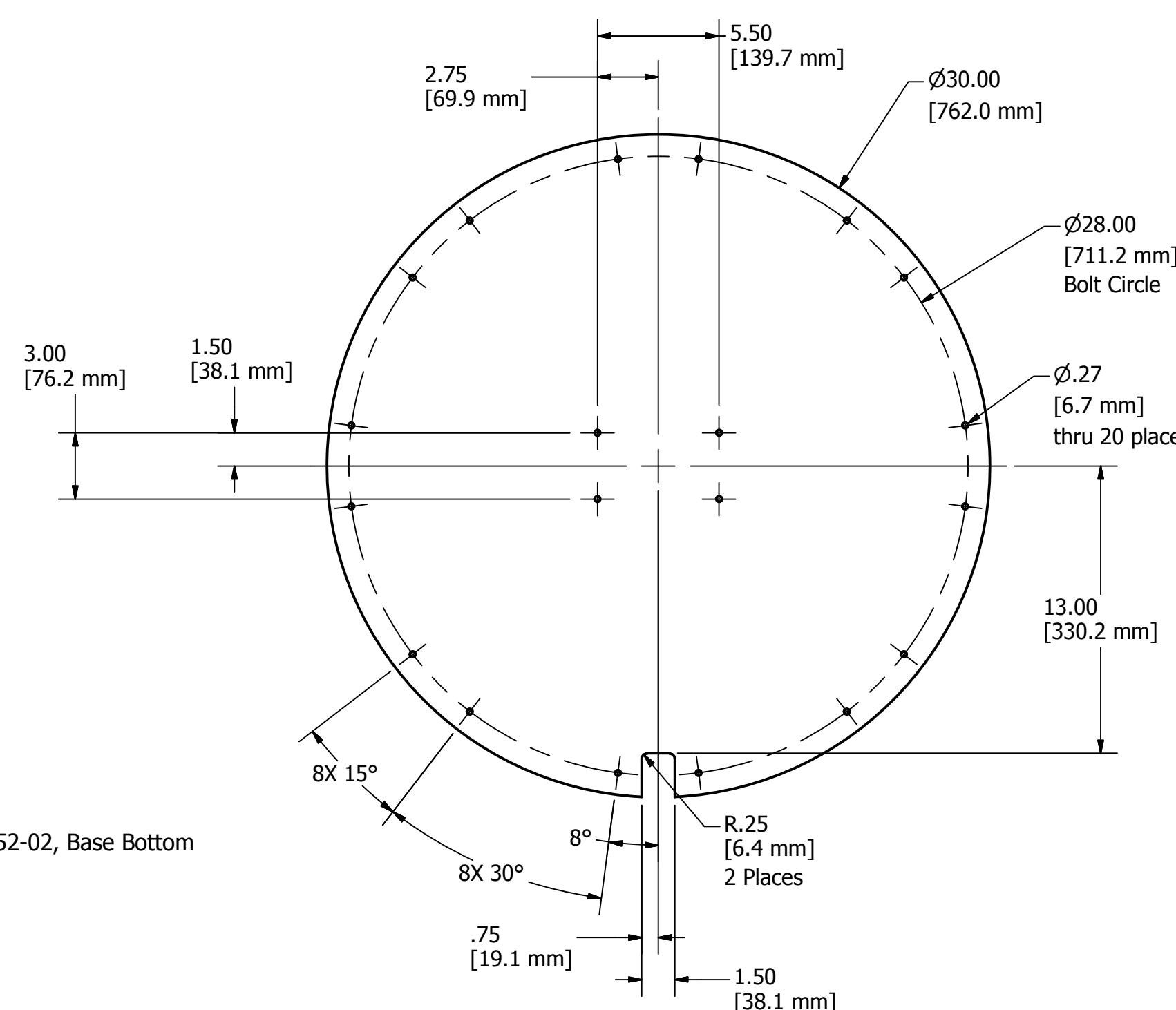
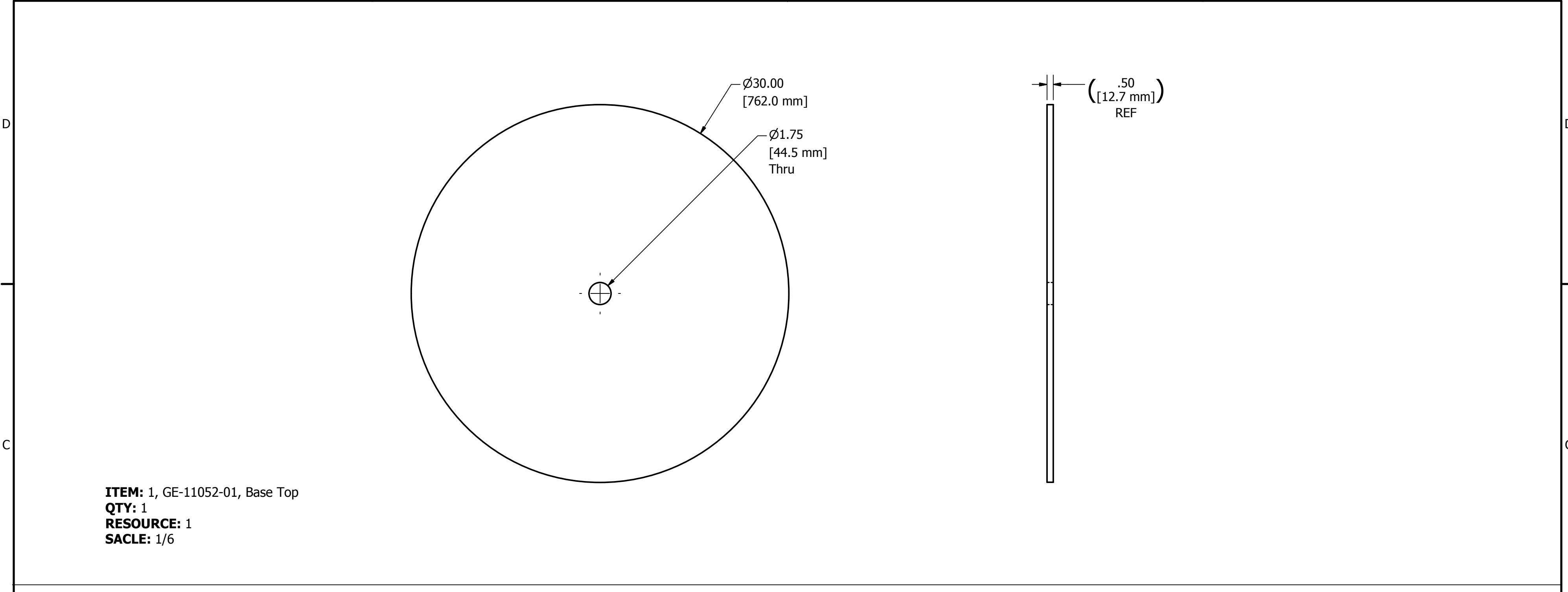
**Assembly Notes:**

- 1.) Use wood glue and screws to attach supports (Items 3 and 4) to base bottom (Item 2)

**Assembly Notes:**

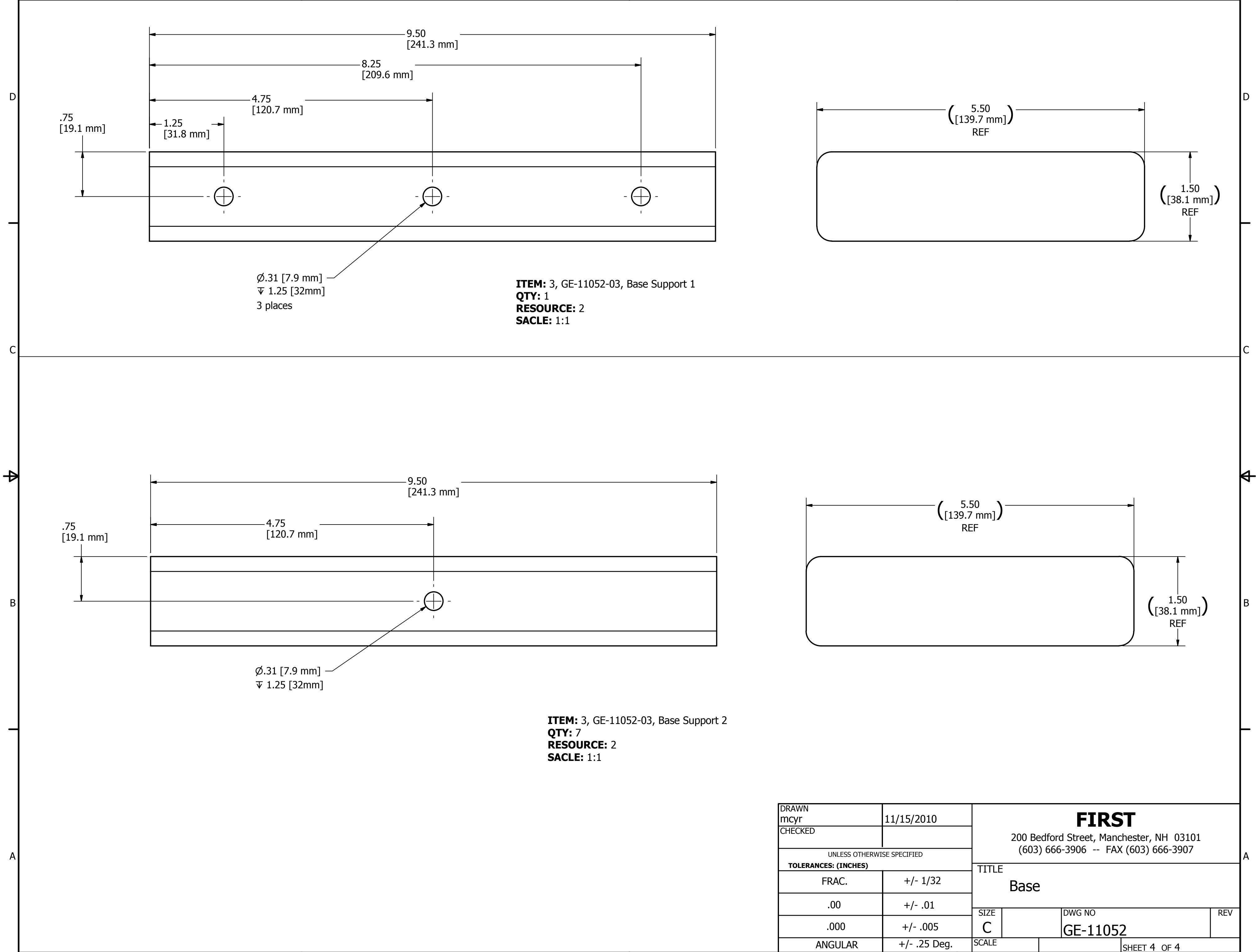
- 1.) Use wood glue and screws to attach top (Item 1)

DRAWN mcyr	11/15/2010	<b>FIRST</b>	
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907	
UNLESS OTHERWISE SPECIFIED			
<b>TOLERANCES: (INCHES)</b>		<b>TITLE</b>	
FRAC.	+/- 1/32	Base	
.00	+/- .01	SIZE	DWG NO
.000	+/- .005	C	GE-11052
ANGULAR	+/- .25 Deg.	SCALE	REV
		SHEET 2 OF 4	

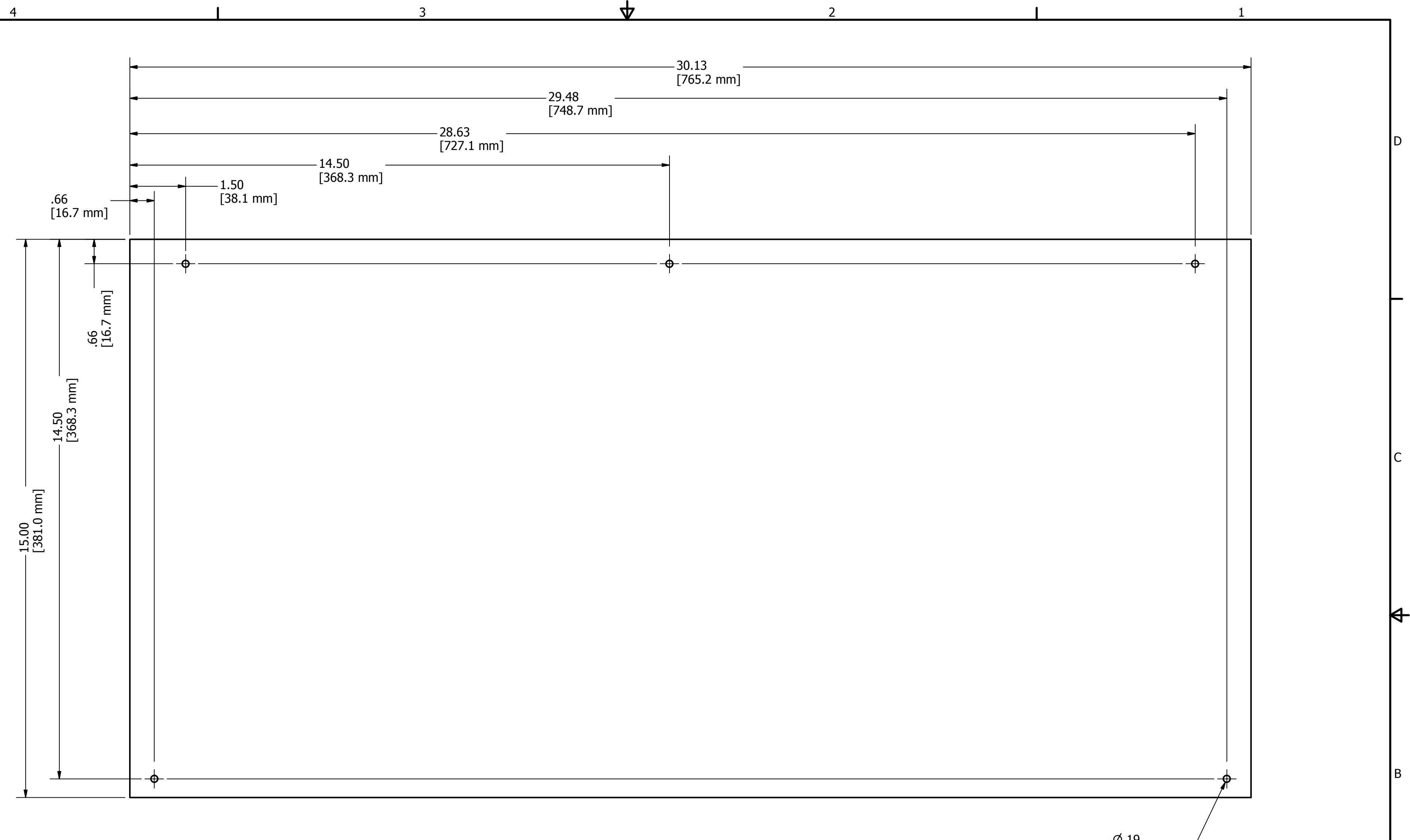


DRAWN mcyr	11/15/2010	<b>FIRST</b>	
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907	
UNLESS OTHERWISE SPECIFIED			
TOLERANCES: (INCHES)		TITLE	
FRAC.	+/- 1/32	Base	
.00	+/- .01	SIZE	
.000	+/- .005	DWG NO	GE-11052
ANGULAR	+/- .25 Deg.	REV	
		SCALE	
			SHEET 3 OF 4

4 3 2 1



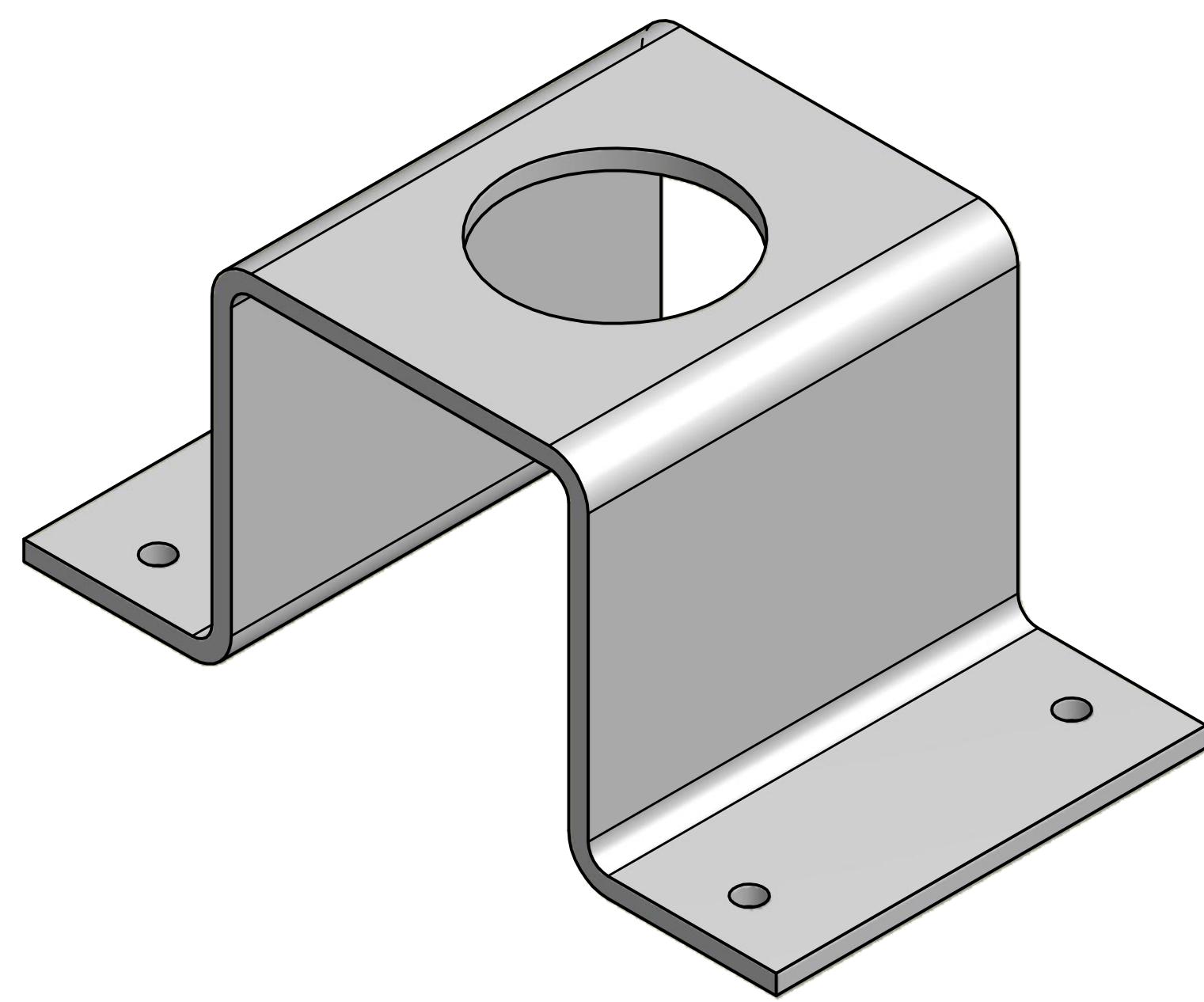
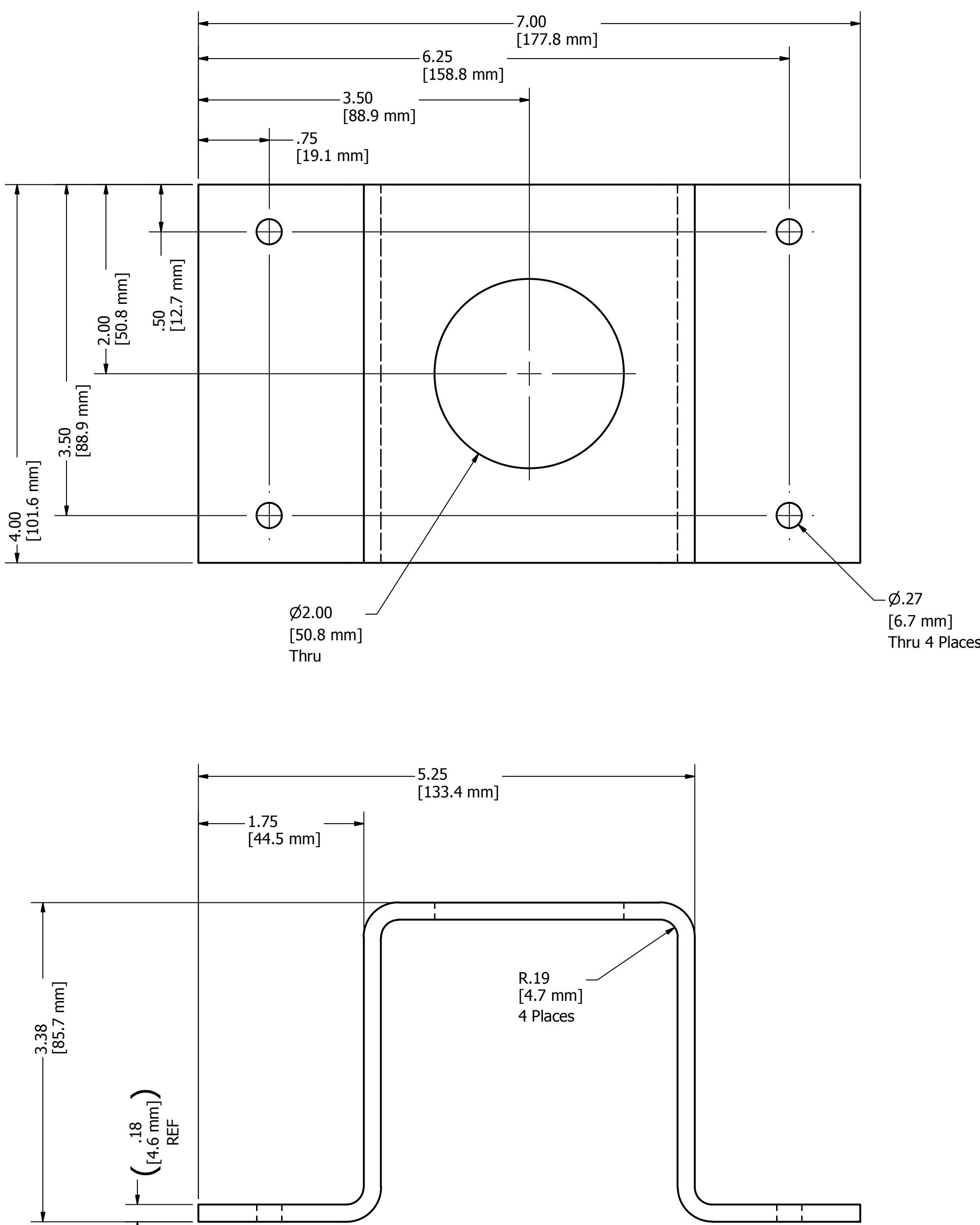
4 3 2 1



NOTE:

1. Material 1/4" clear polycarbonate
2. Remove burrs and sharp edges

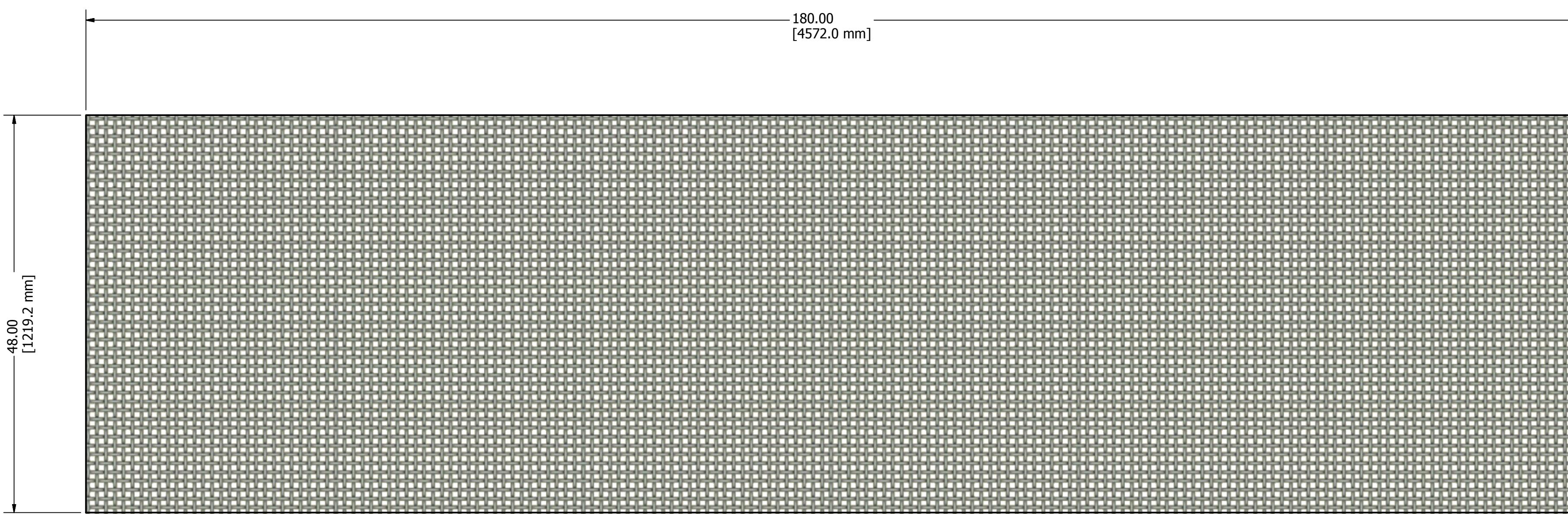
DRAWN mcyr	11/11/2010	<b>FIRST</b>		
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
UNLESS OTHERWISE SPECIFIED				
TOLERANCES: (INCHES)		TITLE	Guard Plastic	
FRAC.	+/- 1/32			
.00	+/- .01	SIZE	DWG NO	REV
.000	+/- .005	C	GE-11053	
ANGULAR	+/- .25 Deg.	SCALE		SHEET 1 OF 1



**NOTE:**

- 1.) Material: 5 gage 5052 Aluminum
- 2.) Remove burrs and sharp edges

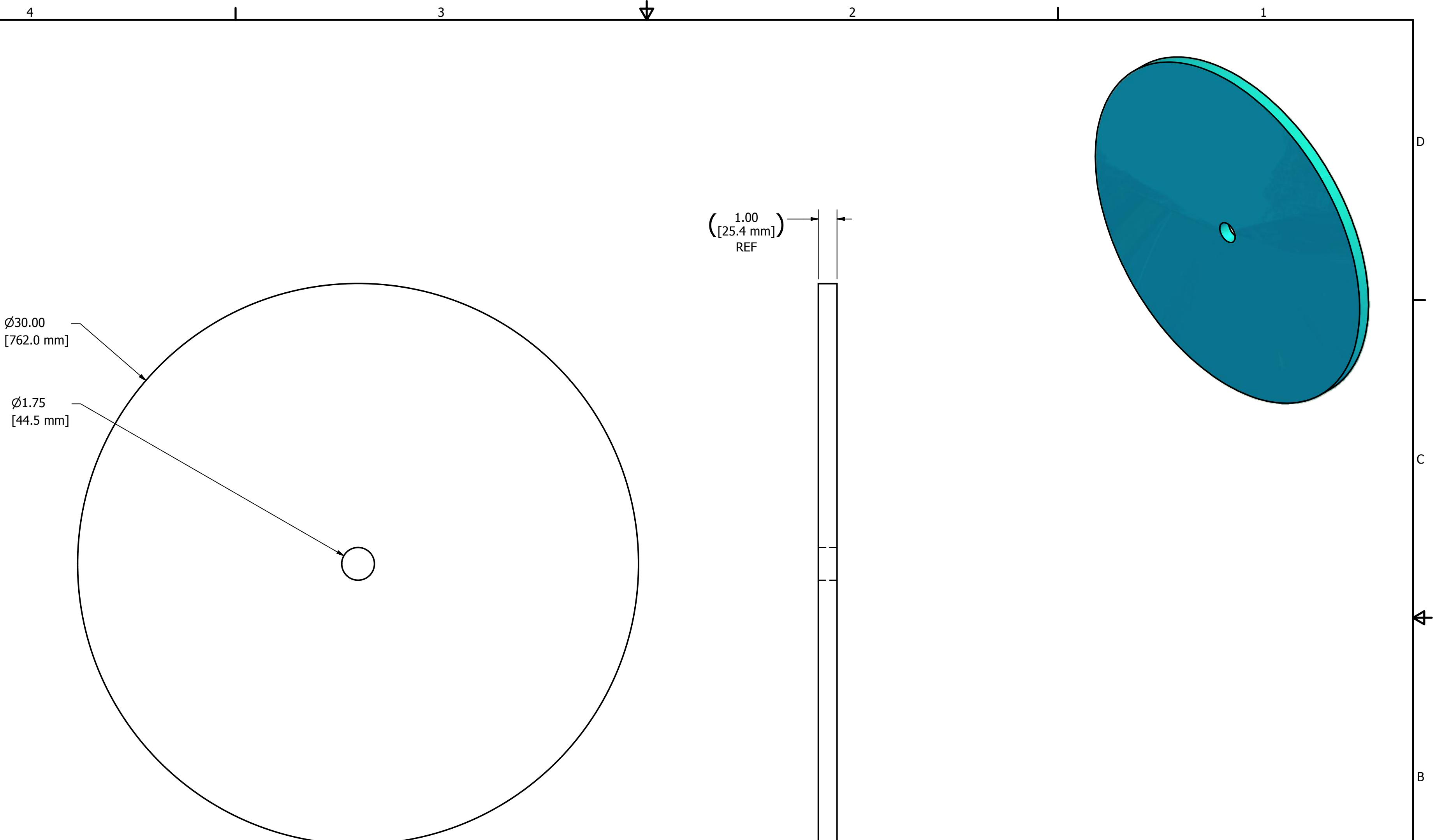
DRAWN mcyr	11/15/2010	<b>FIRST</b>	
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907	
UNLESS OTHERWISE SPECIFIED			
<b>TOLERANCES: (INCHES)</b>		TITLE	
FRAC.	+/- 1/32	Bracket	
.00	+/- .01	SIZE	
.000	+/- .005	DWG NO	
ANGULAR	+/- .25 Deg.	SCALE	REV
		GE-11054	
		SHEET 1 OF 1	



**Note:**

- 1.) Material #30 twisted knotted nylon with 1.5" squares, color black
- 2.) Can be purchased through On Deck Sports, no part number needed to order just use the description

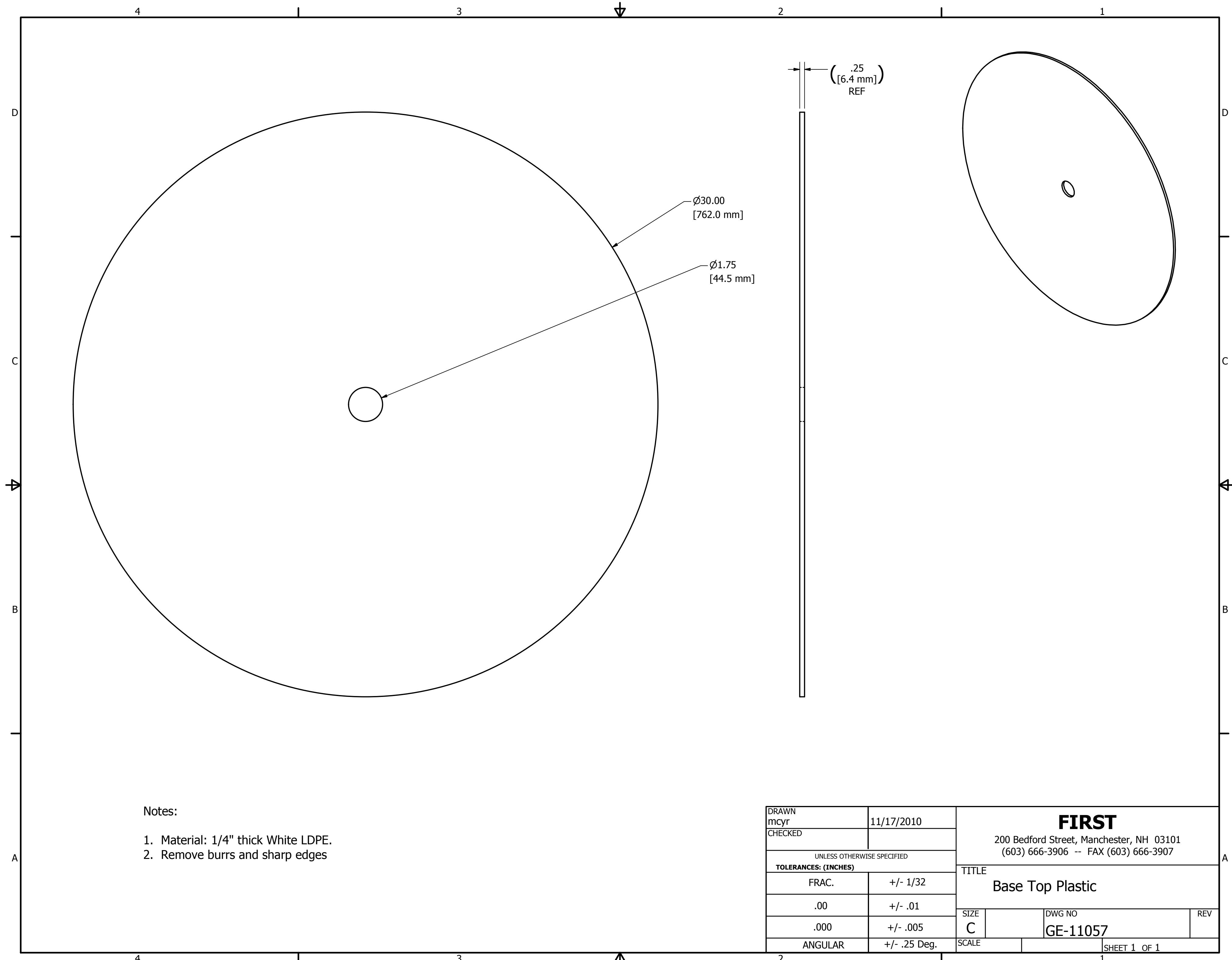
DRAWN mcyr	11/17/2010	<b>FIRST</b> 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907					
CHECKED							
UNLESS OTHERWISE SPECIFIED							
<b>TOLERANCES: (INCHES)</b>							
FRAC.	+/- 1/32						
.00	+/- .01						
.000	+/- .005						
ANGULAR	+/- .25 Deg.	SCALE	DWG NO	REV			
			GE-11055				
			SHEET 1 OF 1				

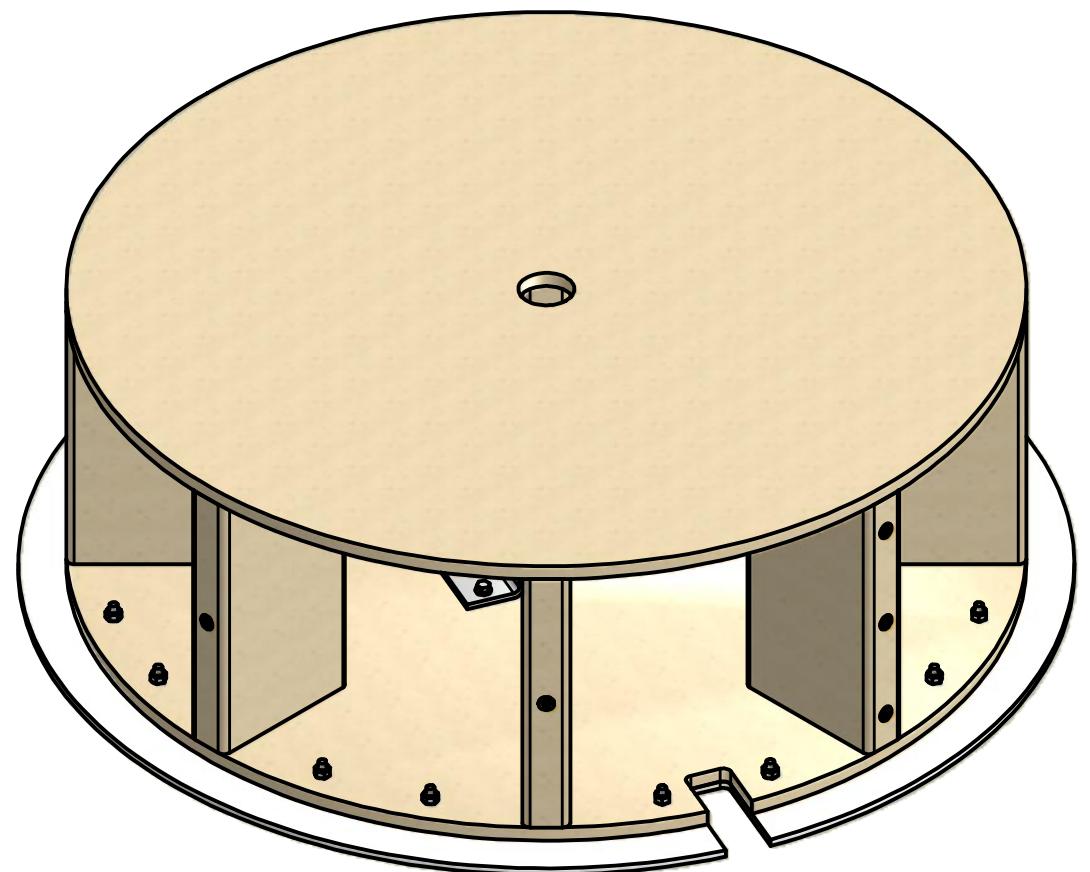


**Note:**

- 1.) Material 1" Memory Foam
- Overstock.com Memory Foam 1 inch mattress topper
- Buy.com "Mem-cool" 1" Memory foam mattress topper

DRAWN mcyr	11/17/2010	<b>FIRST</b> 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907					
CHECKED							
UNLESS OTHERWISE SPECIFIED							
<b>TOLERANCES: (INCHES)</b>							
FRAC.	+/- 1/32	<b>TITLE</b>  Base Foam	<b>SIZE</b>  C	<b>DWG NO</b>  GE-11056			
.00	+/- .01						
.000	+/- .005						
ANGULAR	+/- .25 Deg.						
SCALE							
				SHEET 1 OF 1			

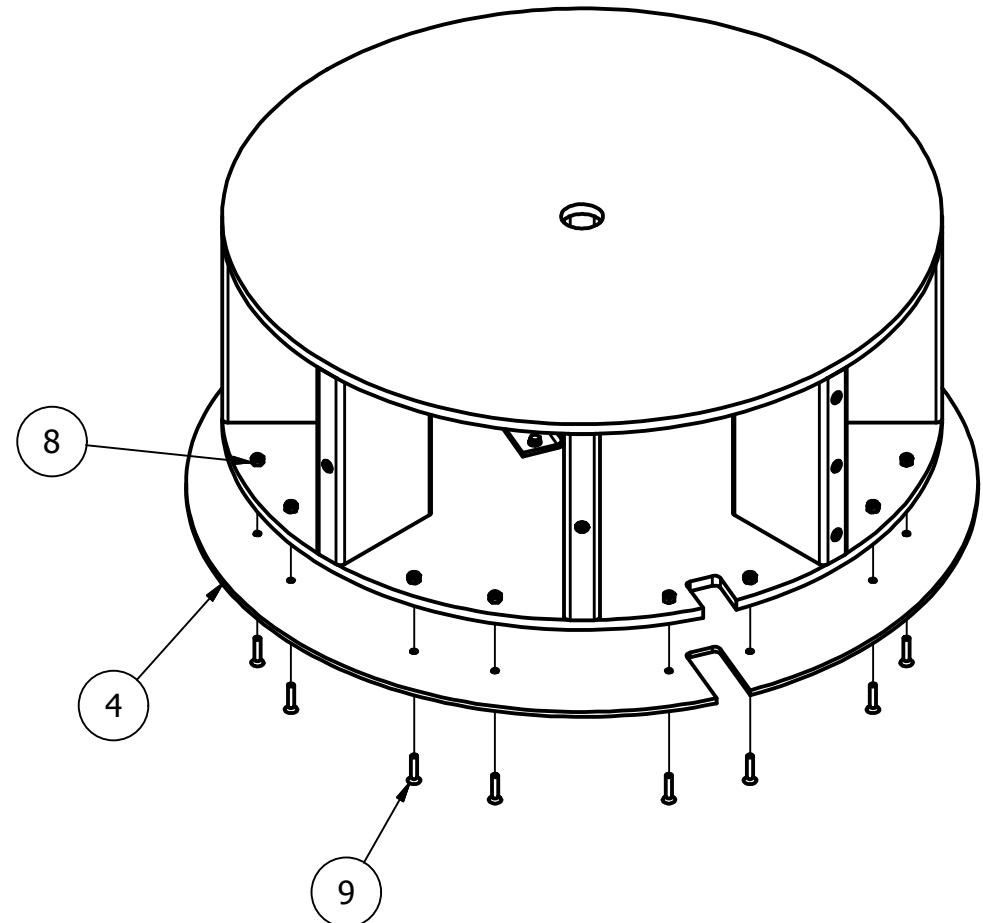
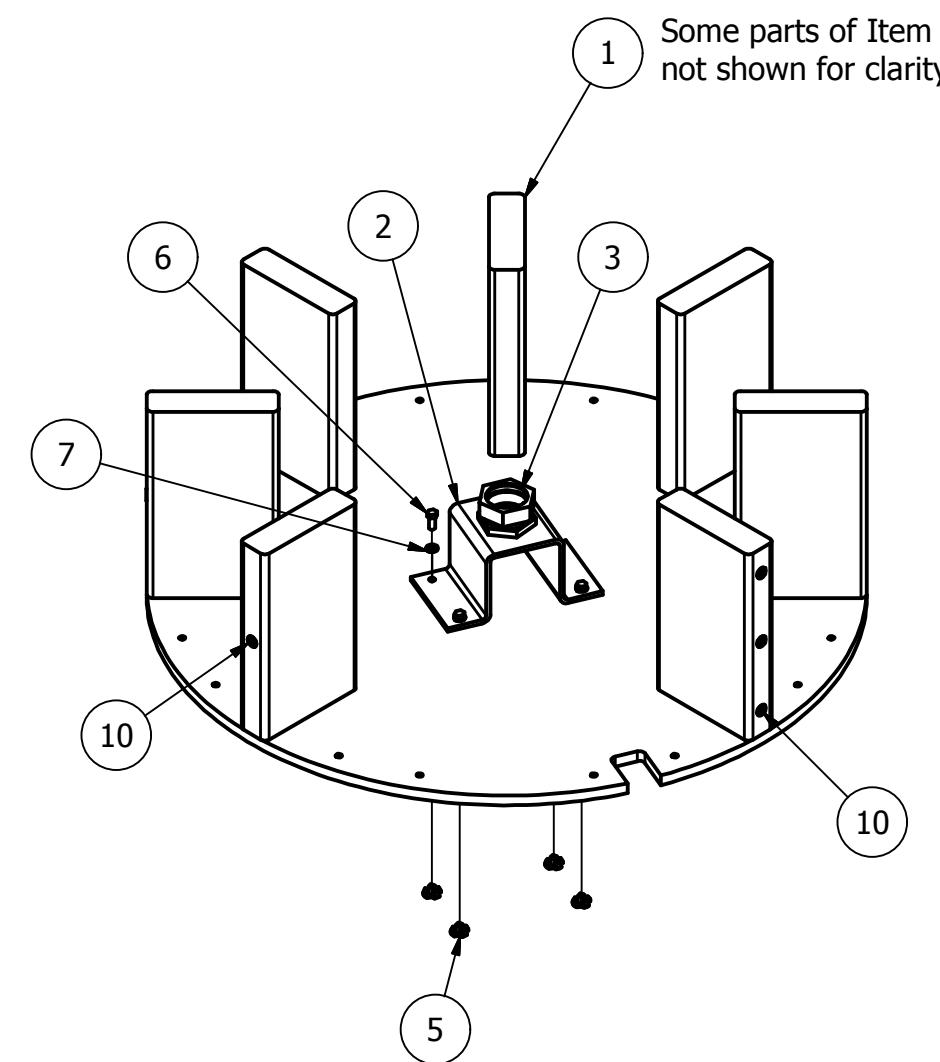




PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	GE-10052	Base
2	1	GE-11054	Bracket
3	1	PP-00060	EMT Compression Fitting (McMaster: 7150K15)
4	1	GE-11035	Flange Plate
5	4	HW-00017	Tee Nut, 1/4-20 Zinc Plate
6	4	HW-00057	HHCS 1/4-20 x .625" Zinc Plate
7	4	HW-00019	Washer, Lock 1/4" Zinc Plate
8	16	HW-00002	Nut, Lock 1/4-20
9	16	HW-00013	1/4-20 x 1-1/4" Flat head screw, zinc plated
10	10	HW-00058	Insert, Self-Tapping for Wood, 1/4-20 x 63/64"

DRAWN dfoster	12/28/2010	TITLE <b>Base Assembly</b>
CHECKED		
UNLESS OTHERWISE SPECIFIED		
<b>TOLERANCES: (INCHES)</b>		
FRAC.	+/- 1/32	
.00	+/- .01	
.000	+/- .005	SIZE <b>B</b> DWG NO <b>GE-11058</b>
ANGULAR	+/- .25 Deg.	REV
	SCALE	SHEET 1 OF 2



DRAWN dfoster	12/28/2010	<b>FIRST</b>					
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907					
UNLESS OTHERWISE SPECIFIED							
TOLERANCES: (INCHES)							
FRAC.	$+\/- \frac{1}{32}$						
.00	$+\/- .01$						
.000	$+\/- .005$	SIZE <b>B</b>	DWG NO <b>GE-11058</b>	REV			
ANGULAR	$+\/- .25$ Deg.	SCALE		SHEET 2 OF 2			

4

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1

D

D

C

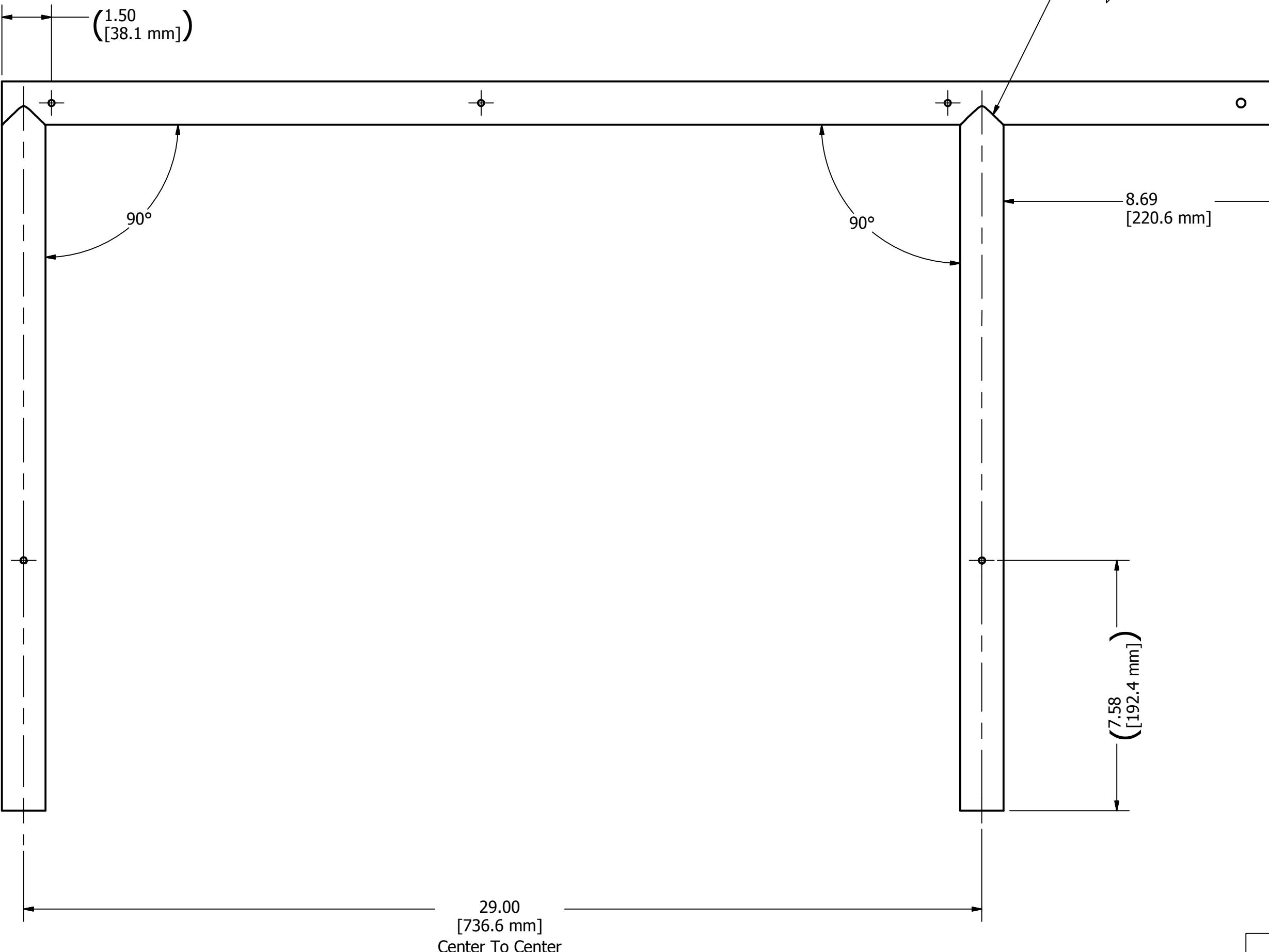
C

B

B

A

A

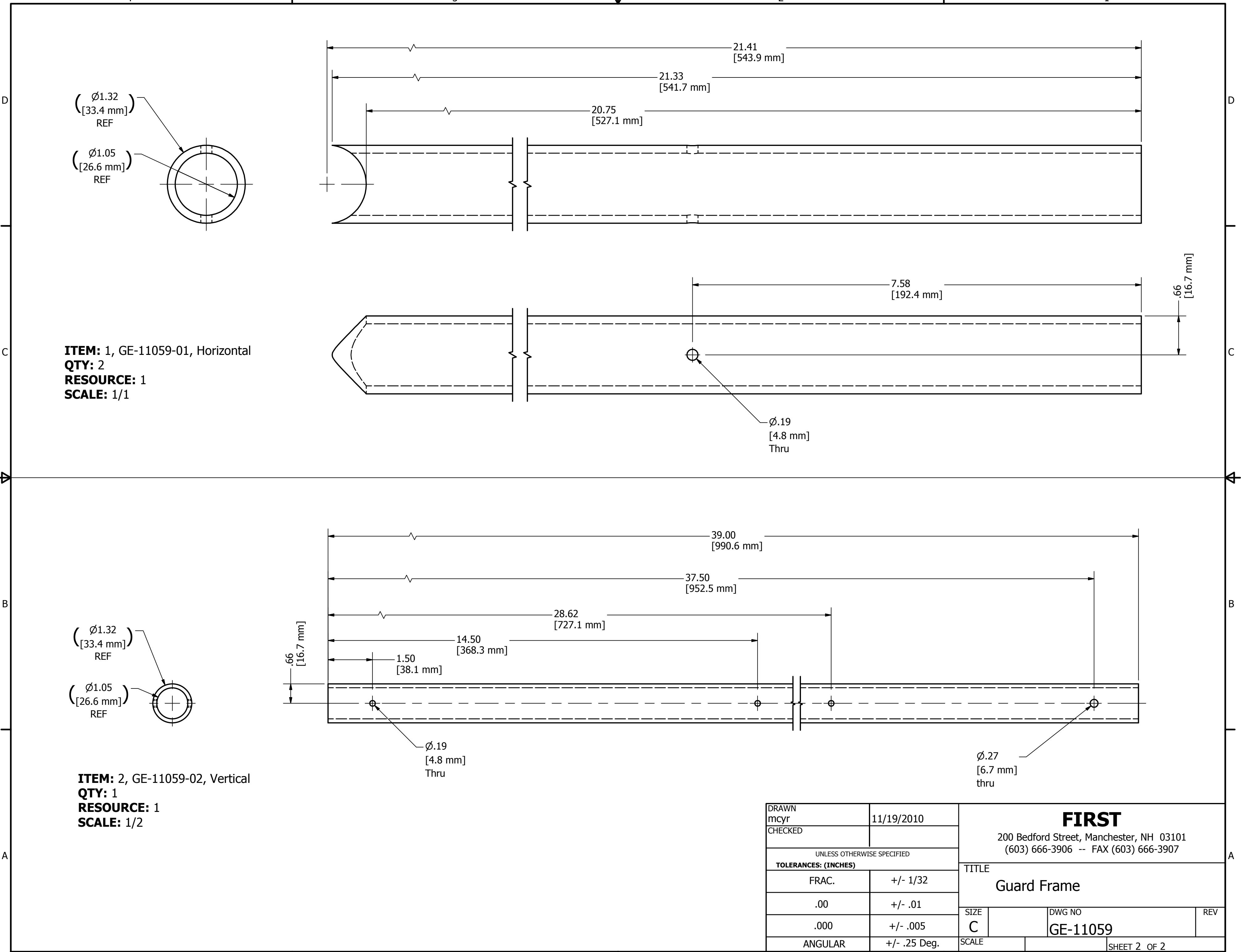


Resources		
Resource	Material	Quantity
1	1" Schedule 40, 6061 Aluminum Pipe	7 Feet [231.4 CM]

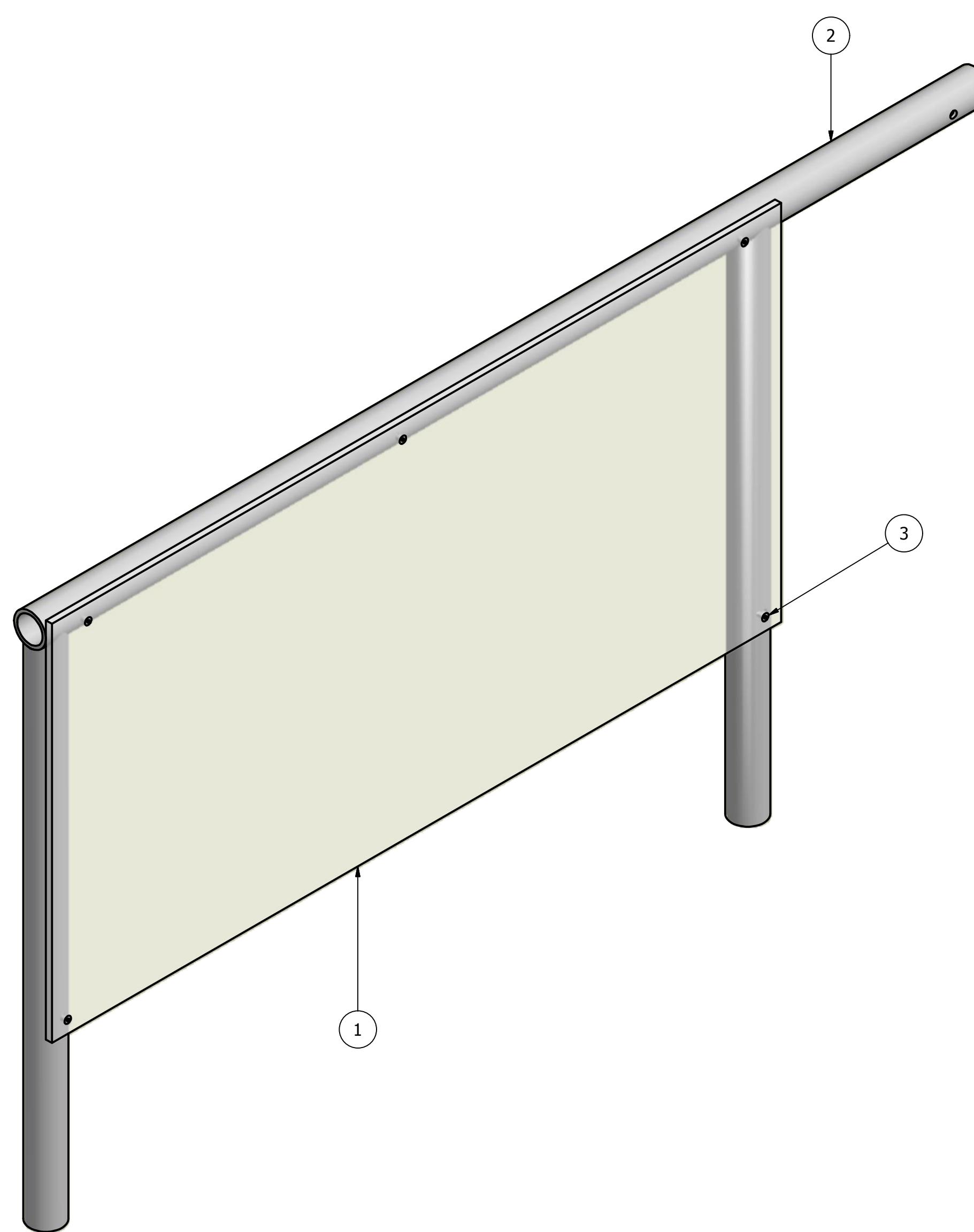
PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	GE-11059-01	Horizontal
2	1	GE-11059-02	Vertical

DRAWN mcyr	11/19/2010	<b>FIRST</b>					
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907					
UNLESS OTHERWISE SPECIFIED							
TOLERANCES: (INCHES)							
FRAC.	+/- 1/32	TITLE  Guard Frame	DWG NO  GE-11059	REV  A			
.00	+/- .01						
.000	+/- .005						
ANGULAR	+/- .25 Deg.	SCALE		SHEET 1 OF 2			

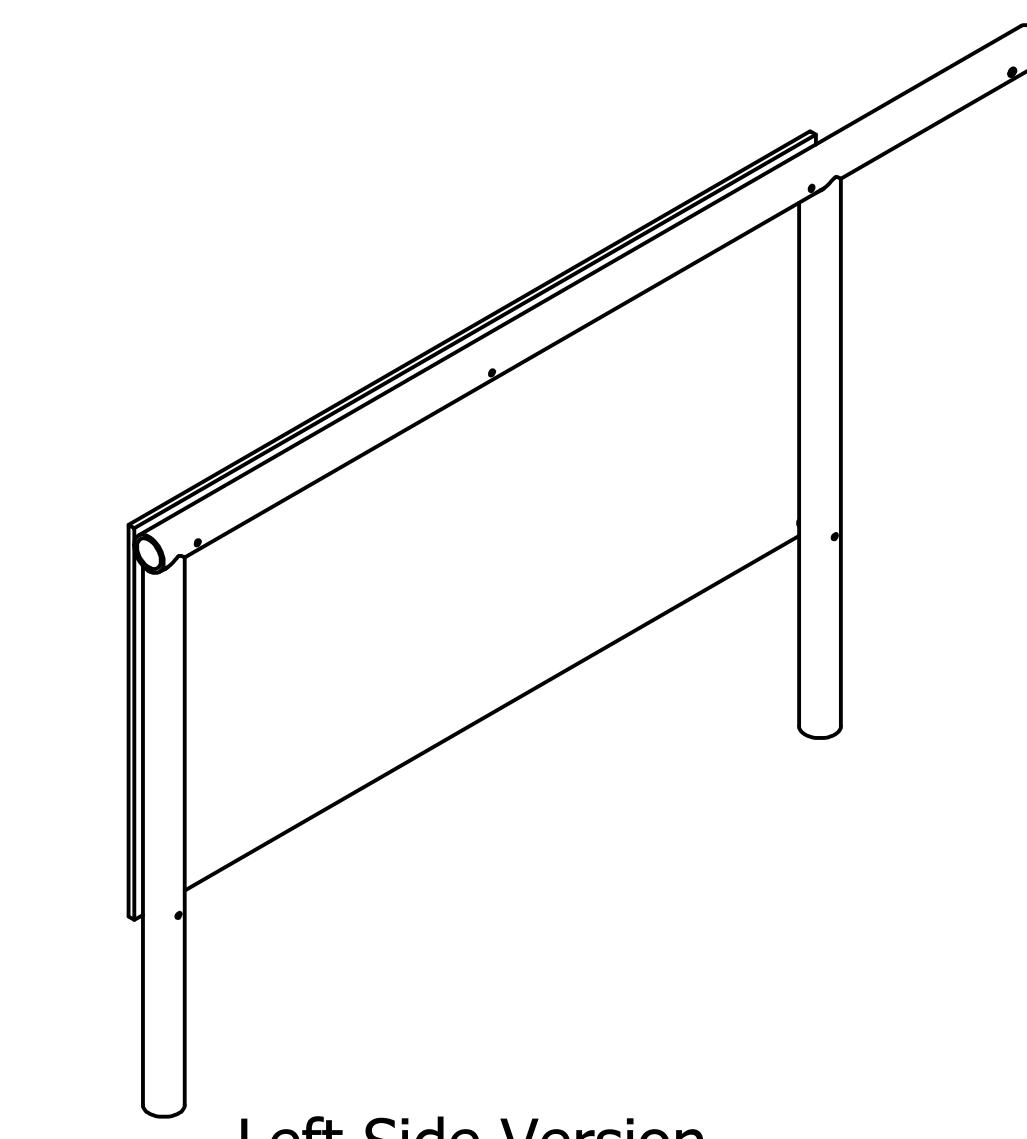
4 3 2 1



4 3 2 1



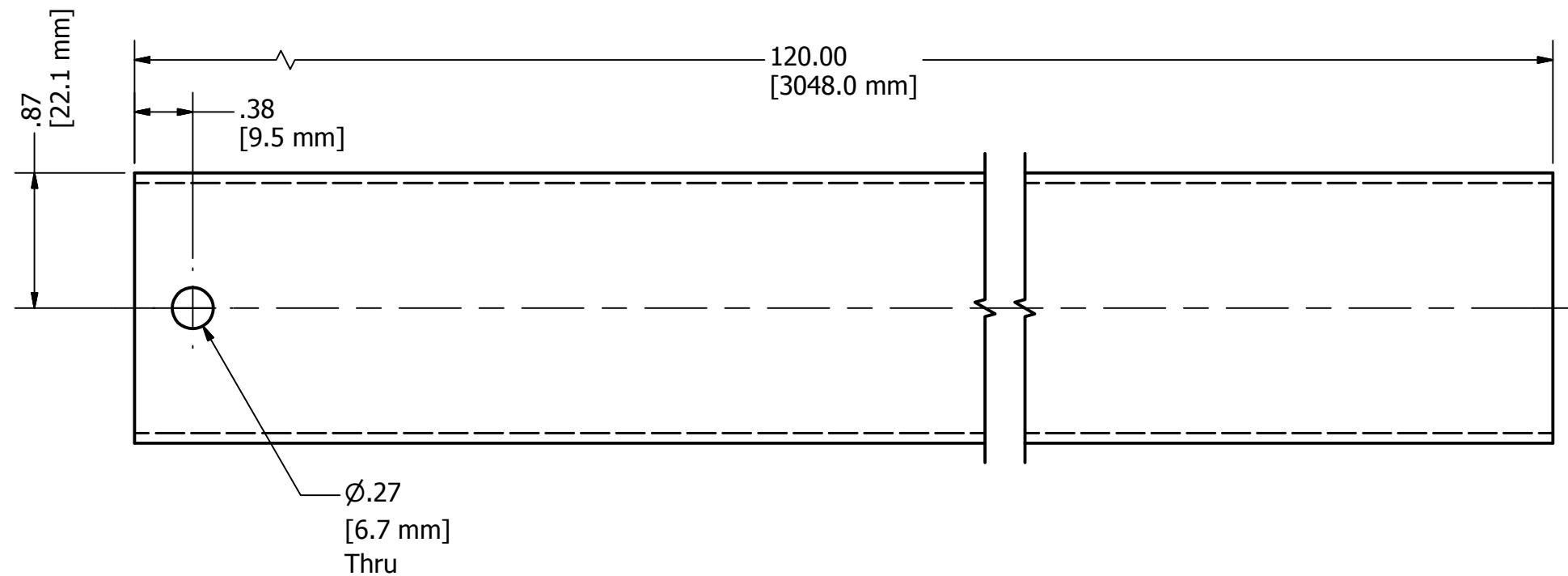
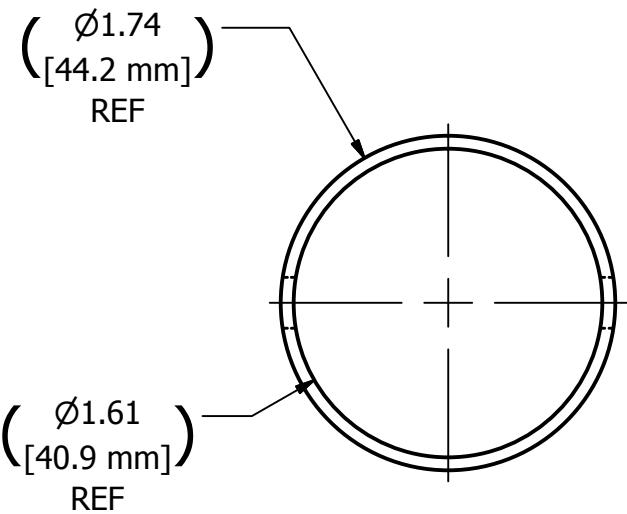
Right Side Version



Left Side Version

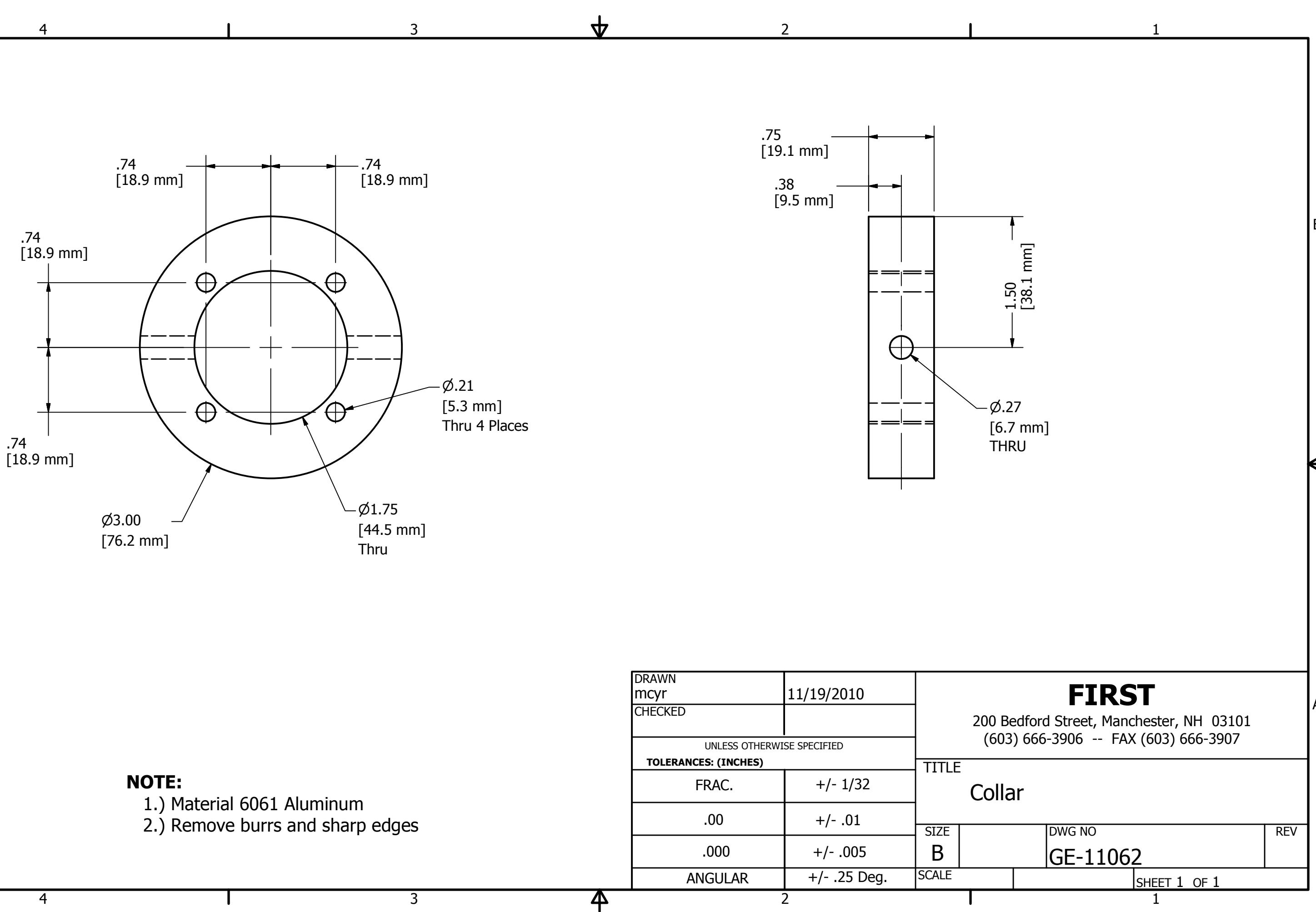
PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	GE-11053	Plastic Guard
2	1	GE-11059	Guard Frame
3	5	HW-00010	Pop Rivet 3/16 Dia.

DRAWN mcyr	11/19/2010	<b>FIRST</b> 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
CHECKED				
UNLESS OTHERWISE SPECIFIED				
<b>TOLERANCES: (INCHES)</b>				
FRAC.	+/- 1/32	<b>TITLE</b>  Guard		
.00	+/- .01			
.000	+/- .005			
ANGULAR	+/- .25 Deg.			
SCALE	DWG NO		REV	
C		GE-11060		
SHEET 1 OF 1				

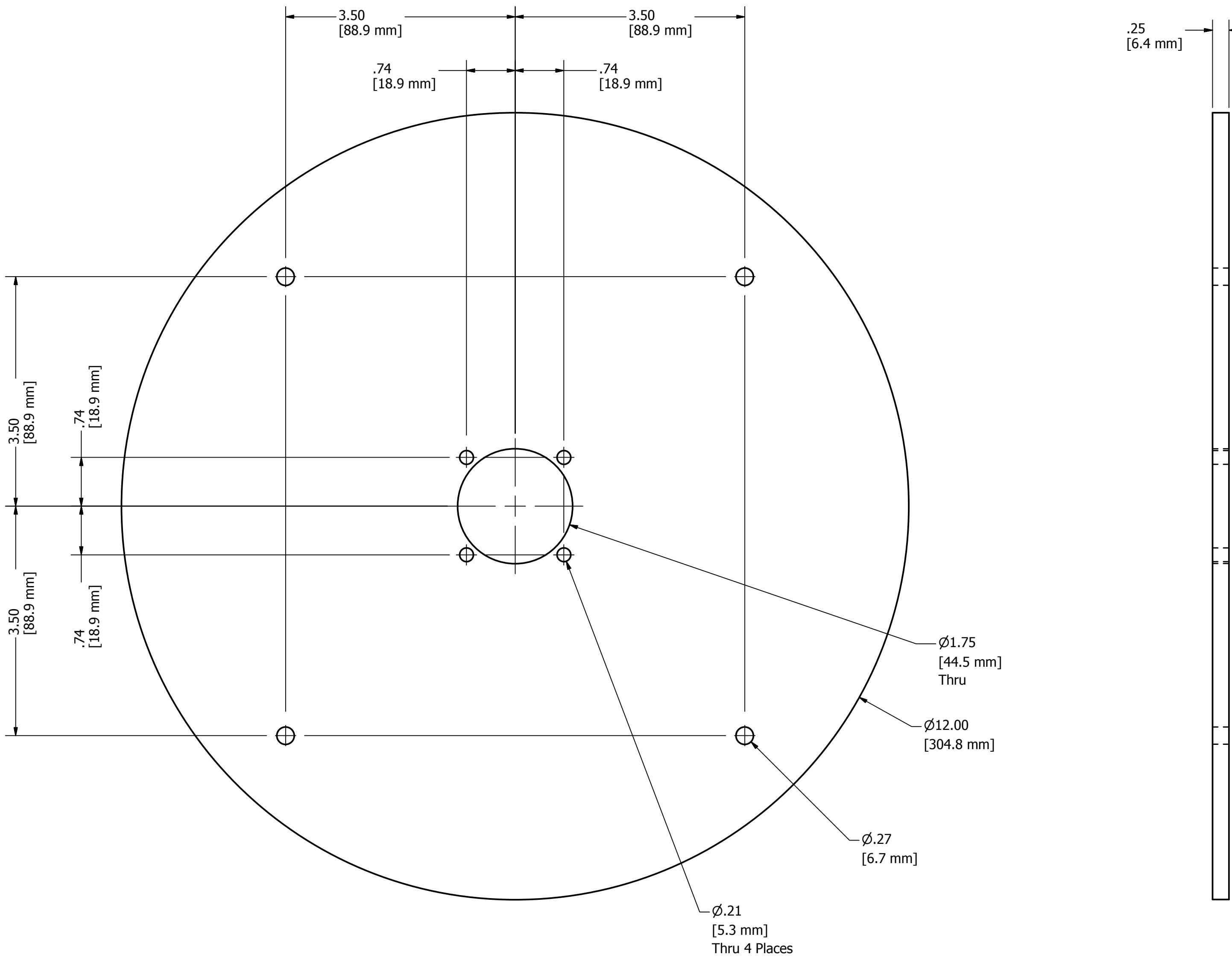

**NOTES:**

- 1.) Material 1-1/2" Steel EMT
- 2.) Remove all burrs and sharp edges

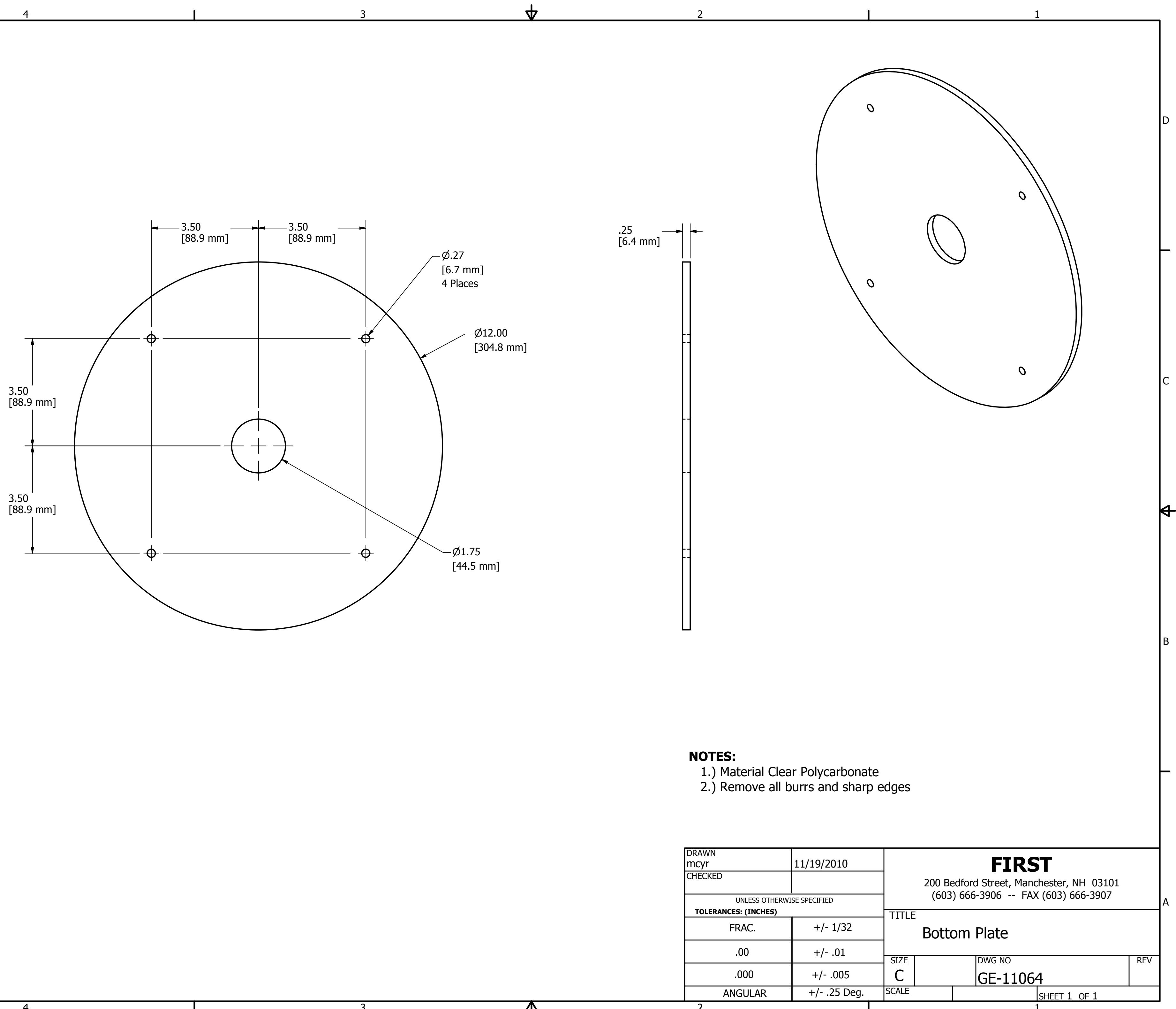
DRAWN mcyr	11/19/2010	<b>FIRST</b>							
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907							
UNLESS OTHERWISE SPECIFIED									
<b>TOLERANCES: (INCHES)</b>		TITLE							
FRAC.	+/- 1/32	Pole							
.00	+/- .01	SIZE							
.000	+/- .005	B	DWG NO						
ANGULAR	+/- .25 Deg.	GE-11061							
SCALE									
SHEET 1 OF 1									

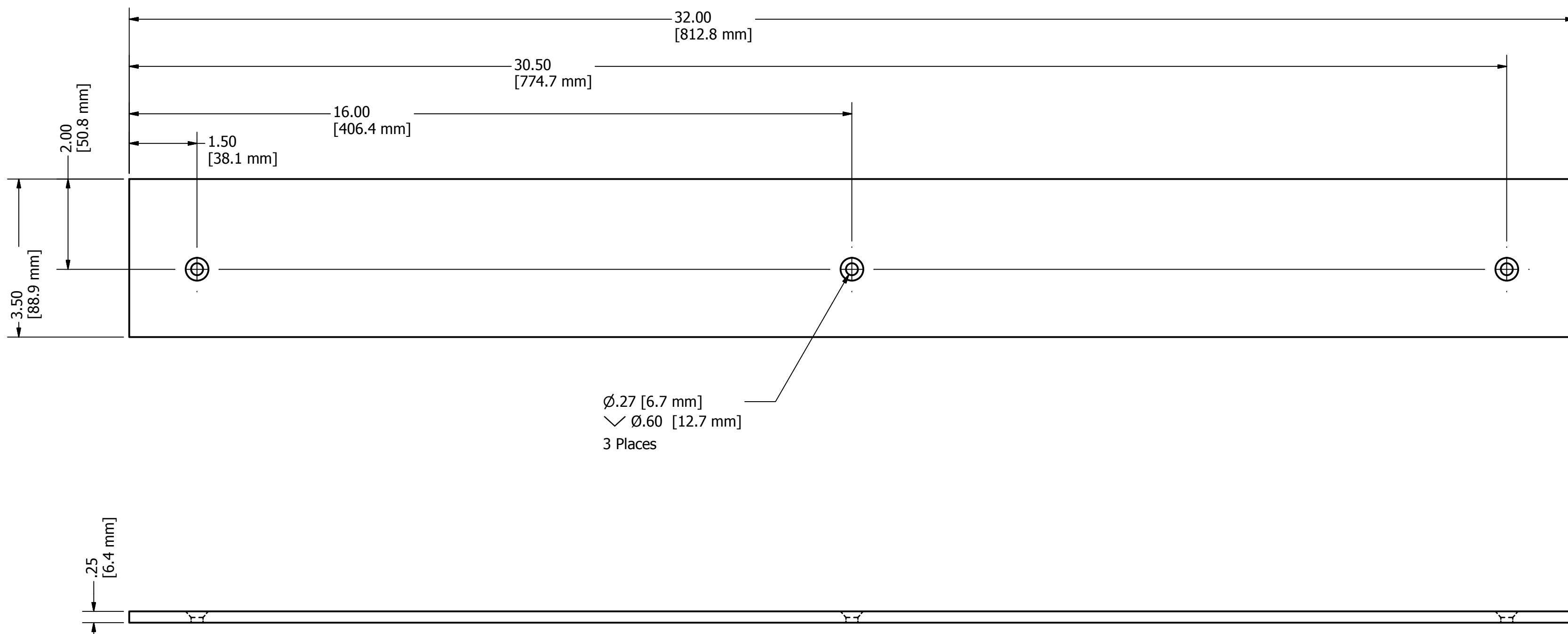


4 3 2 1



DRAWN mcyr	11/19/2010	<b>FIRST</b> 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-11063
		REV	
		SHEET 1 OF 1	

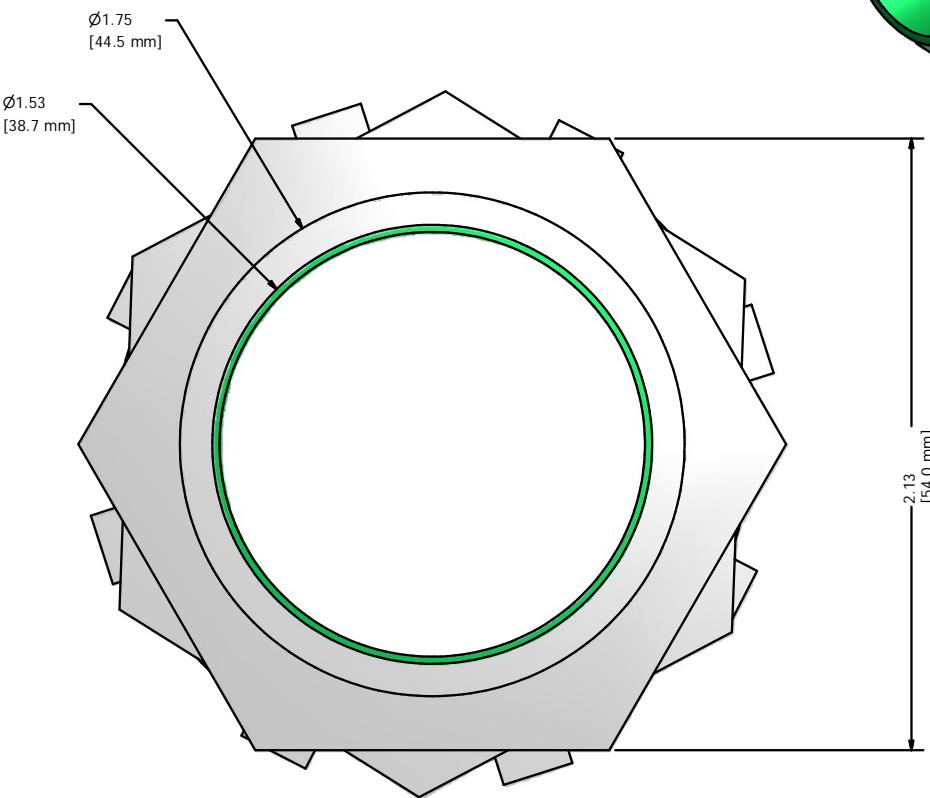
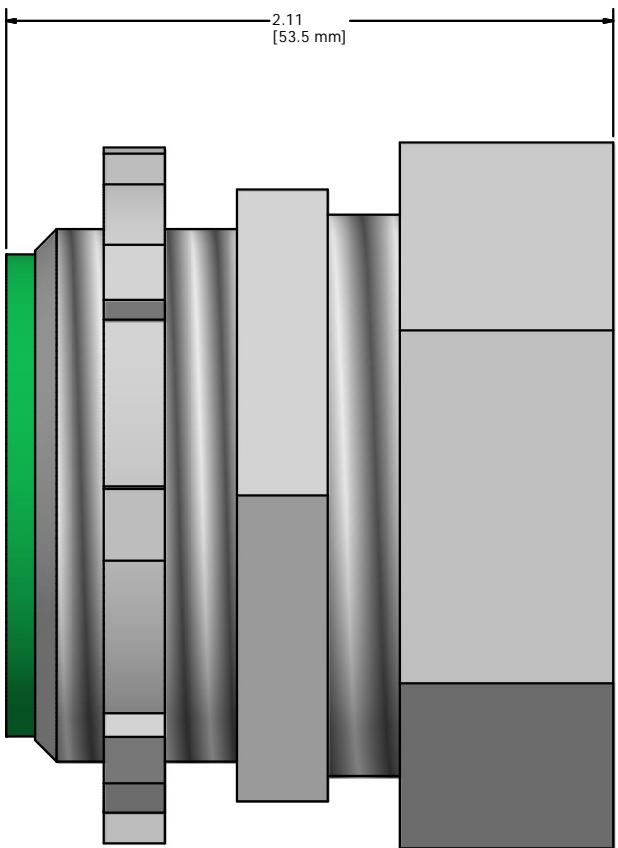




Notes:

1. Material: HDPE/matte/matte, color red or blue
2. Remove all burrs and sharp edges.

DRAWN mcyr	11/30/2010	<b>FIRST</b> 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907					
CHECKED							
UNLESS OTHERWISE SPECIFIED							
<b>TOLERANCES: (INCHES)</b>							
FRAC.	+/- 1/32						
.00	+/- .01						
.000	+/- .005						
ANGULAR	+/- .25 Deg.	SCALE	DWG NO	REV			
			GE-11065				
			SHEET 1 OF 1				



**NOTES:**

- 1.) McMaster Carr Part Number 7150K15 Thin-Wall Metal Conduit, 1-1/2" EMT Fitting  
Insulated Compression Conn, Die Cast Zinc, 1-1/2"

DRAWN mcyr	11/15/2010	FIRST					
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907					
UNLESS OTHERWISE SPECIFIED							
<i>TOLERANCES: (INCHES)</i>							
FRAC.	+/- .1/32						
.00	+/- .01						
.000	+/- .005						
ANGULAR	+/- .25 Deg.	SCALE		SHEET 1 OF 1			
SIZE C		DWG NO PP-00060		REV			