

4

3

2

1

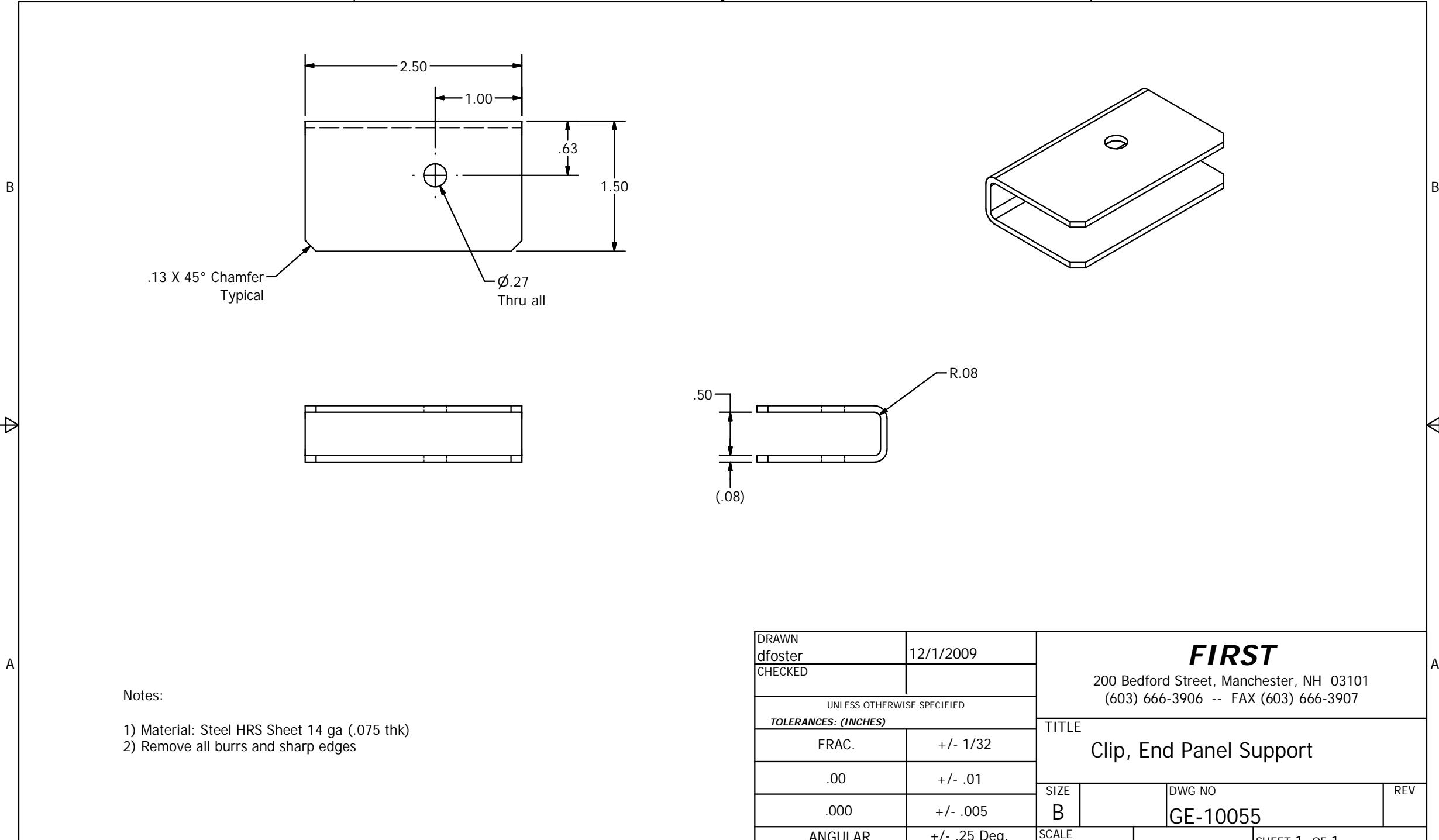
4

4

3

2

1

DRAWN
dfoster

12/1/2009

CHECKED

UNLESS OTHERWISE SPECIFIED

TOLERANCES: (INCHES)

FRAC. +/- 1/32

.00 +/- .01

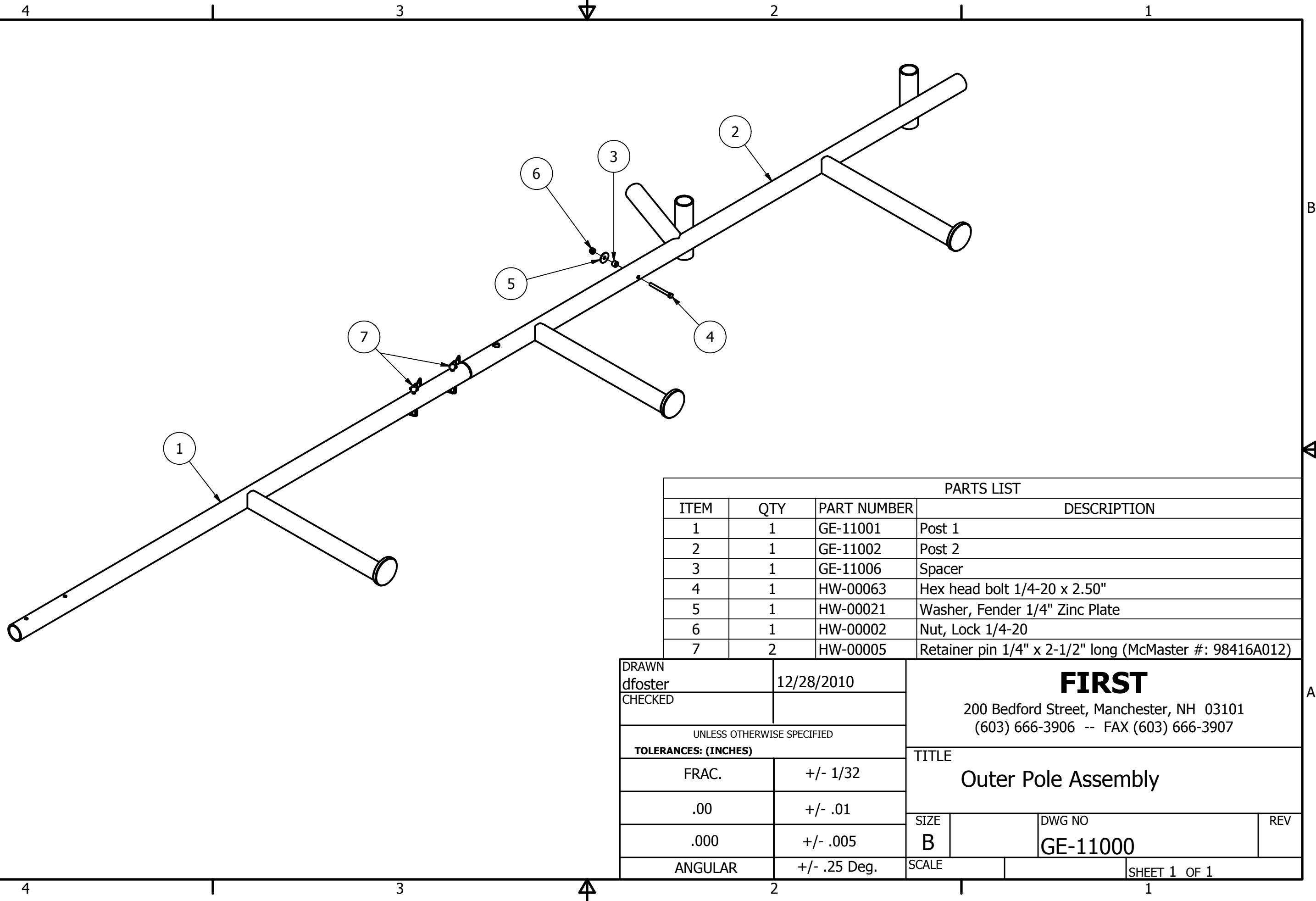
.000 +/- .005

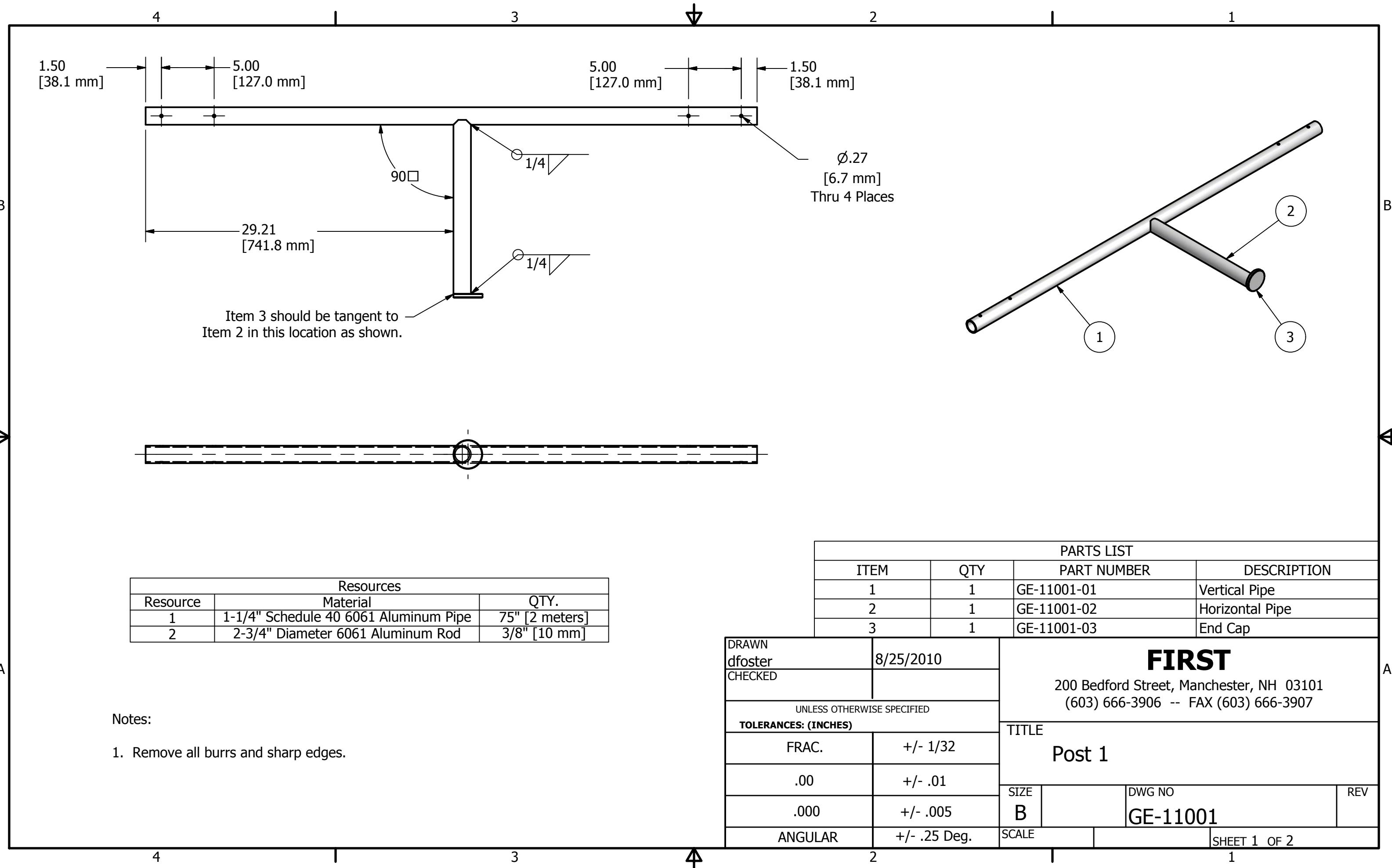
ANGULAR +/- .25 Deg.

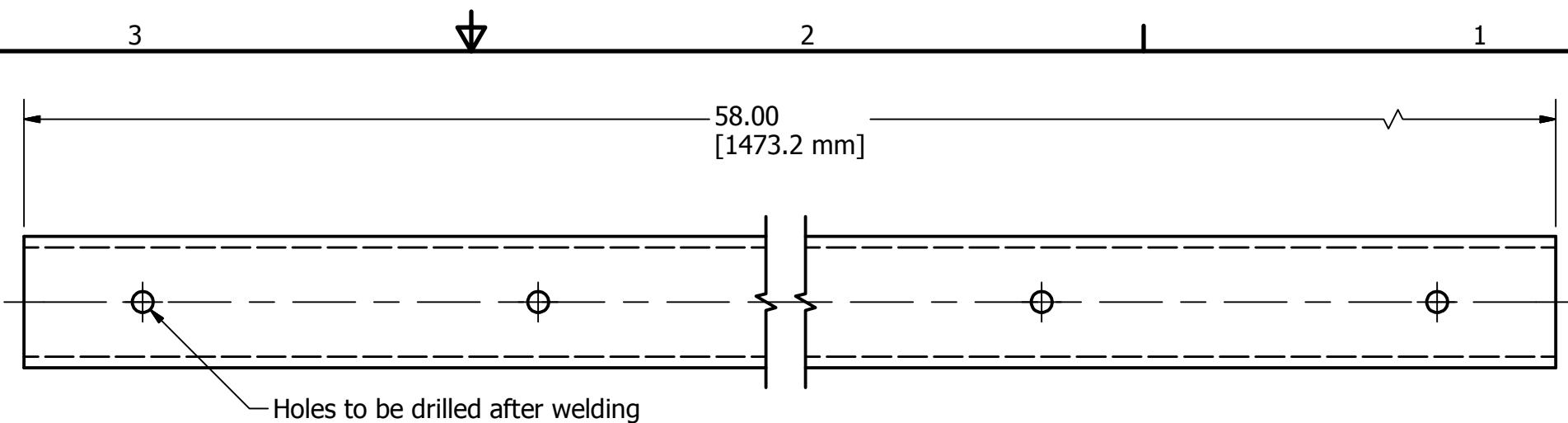
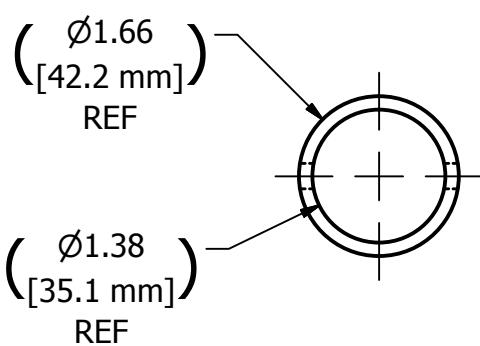
FIRST200 Bedford Street, Manchester, NH 03101
(603) 666-3906 -- FAX (603) 666-3907**TITLE**

Clip, End Panel Support

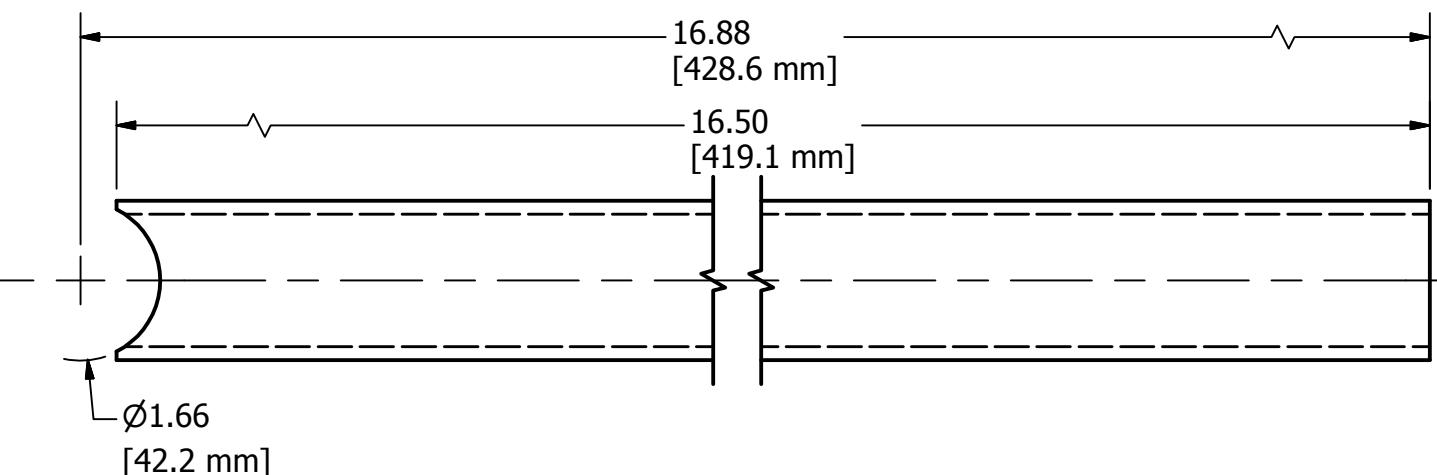
SIZE**B****DWG NO**
GE-10055**REV****SCALE****SHEET 1 OF 1**



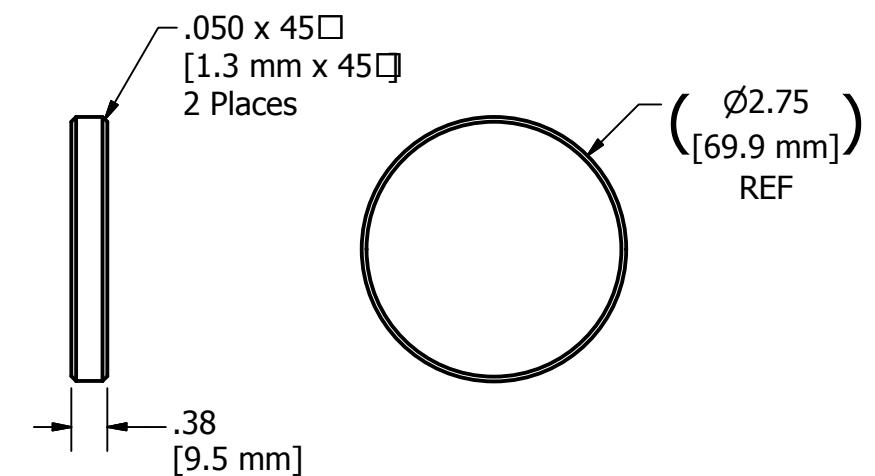
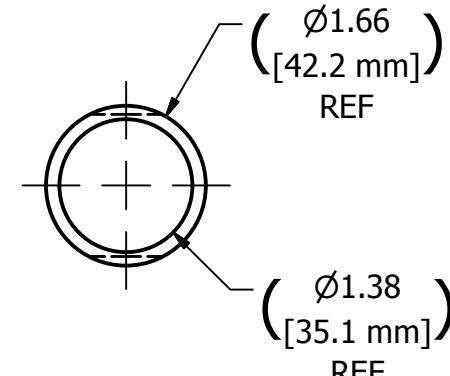




Item: 1, GE-11001-01, Vertical Pipe
Resource: 1
Scale: 1/2
QTY: 1

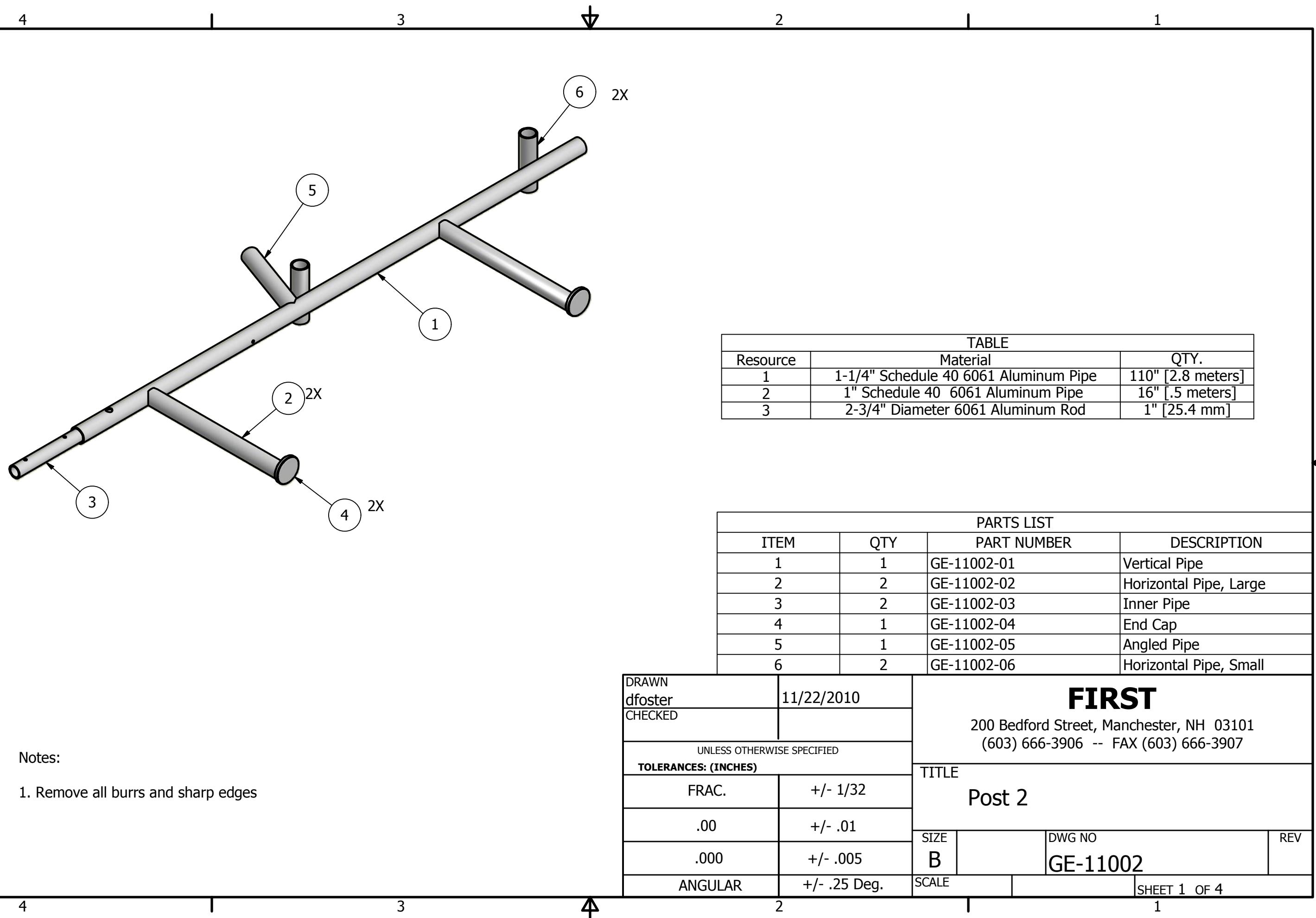


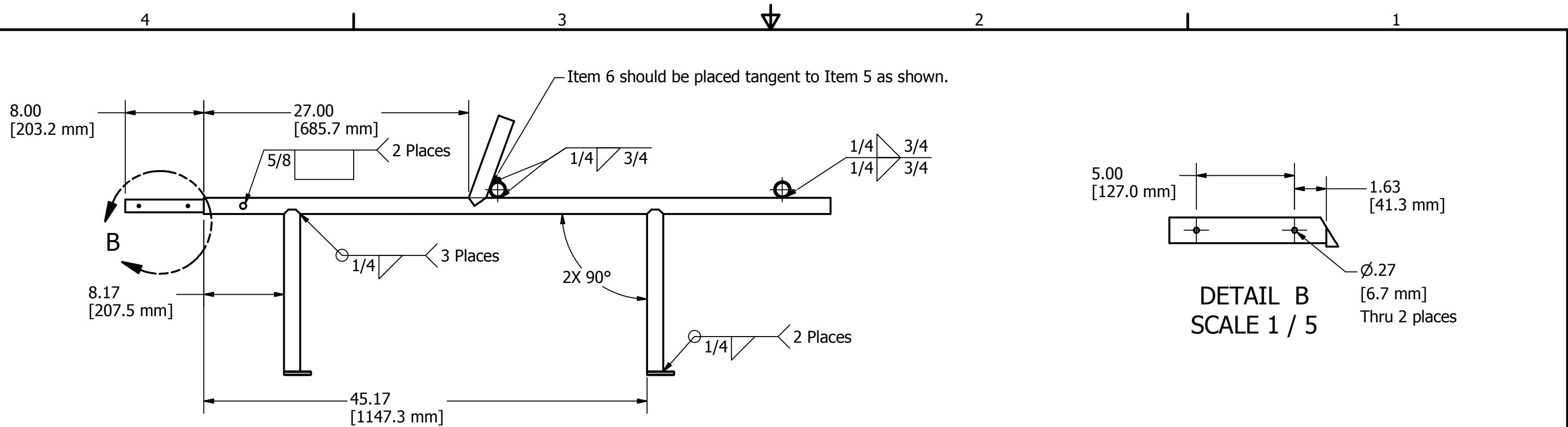
Item: 2, GE-11001-02, Horizontal Pipe
Resource: 1
Scale: 1/2
QTY: 1



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

DRAWN dfoster	8/25/2010	FIRST		
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
UNLESS OTHERWISE SPECIFIED				
TOLERANCES: (INCHES)		TITLE		
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"

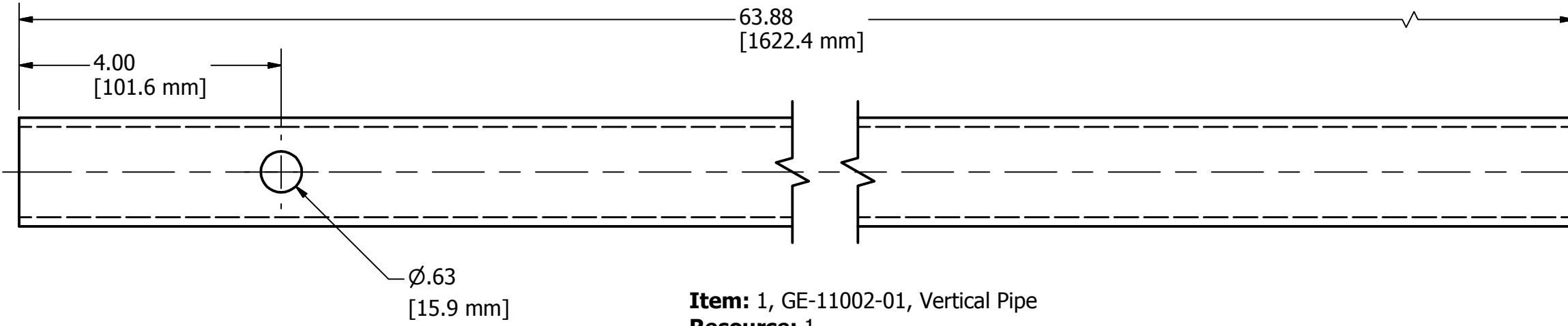
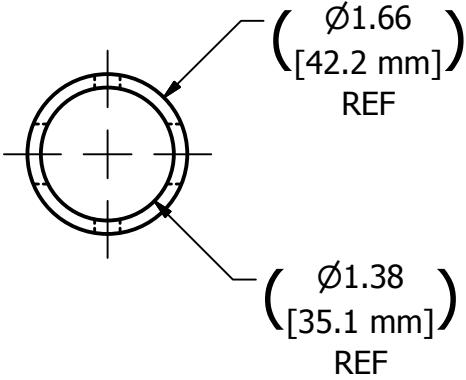
DRAWN dfoster	11/22/2010	FIRST 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
CHECKED				
UNLESS OTHERWISE SPECIFIED				
TOLERANCES: (INCHES)		TITLE Post 2		
FRAC.	+/- 1/32			
.00	+/- .01	SIZE B	DWG NO GE-11002	REV
.000	+/- .005			
ANGULAR	+/- .25 Deg.	SCALE		SHEET 2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

4

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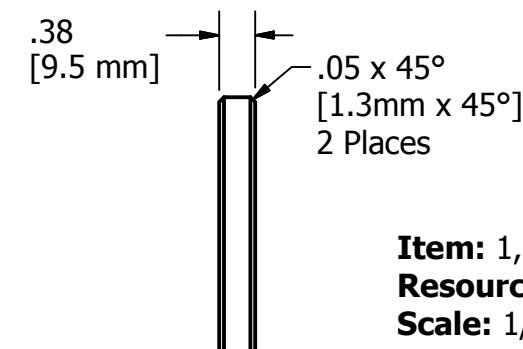
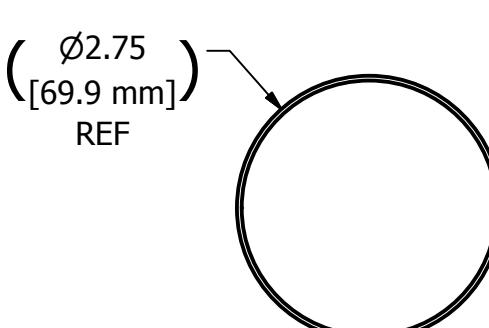


B

B

A

A



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

4

3

2

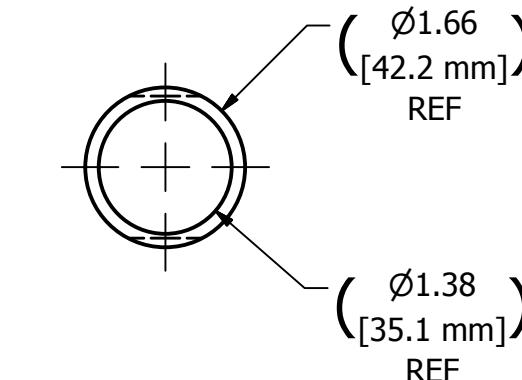
1

4

16.88
[428.6 mm]

16.50
[419.1 mm]

Ø1.66
[42.2 mm]



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

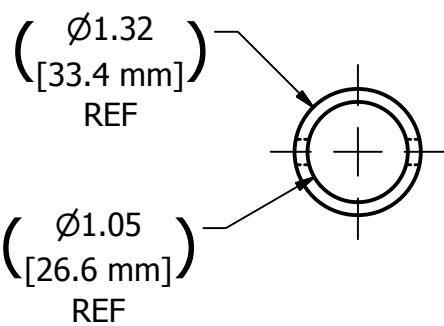
B

DWG NO

GE-11002

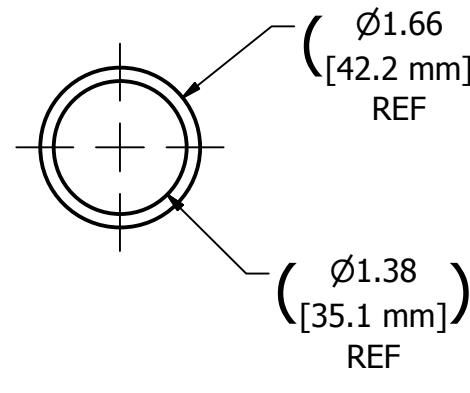
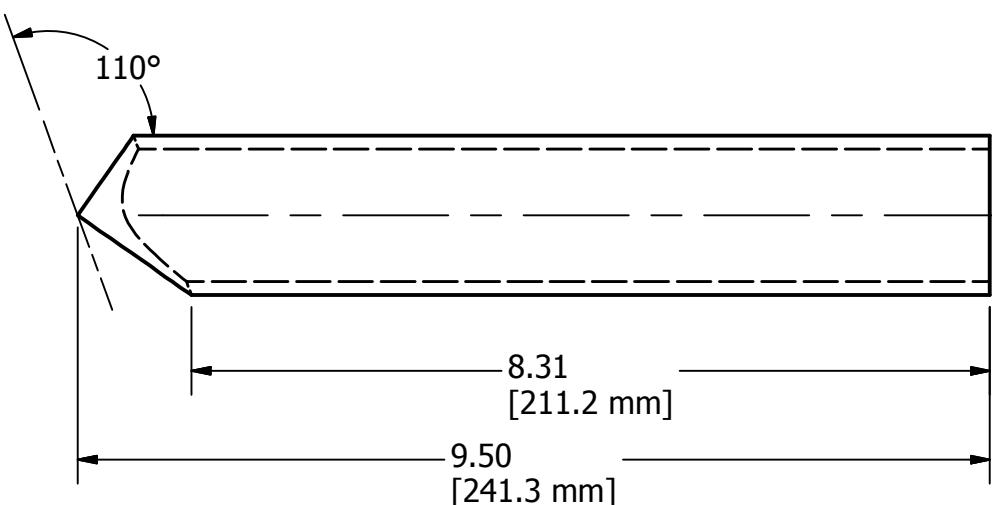
REV

SHEET 3 OF 4



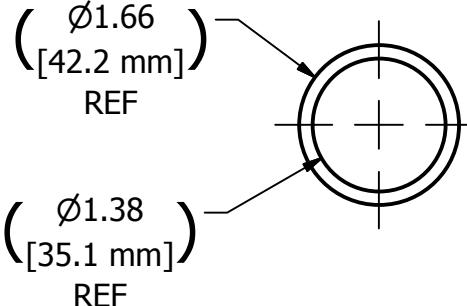
16.00
[406.4 mm]

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
CHECKED

UNLESS OTHERWISE SPECIFIED

TOLERANCES: (INCHES)

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

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

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

ANGULAR	+/- .25 Deg.
---------	--------------

SCALE

FIRST

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

TITLE

Post 2

SIZE

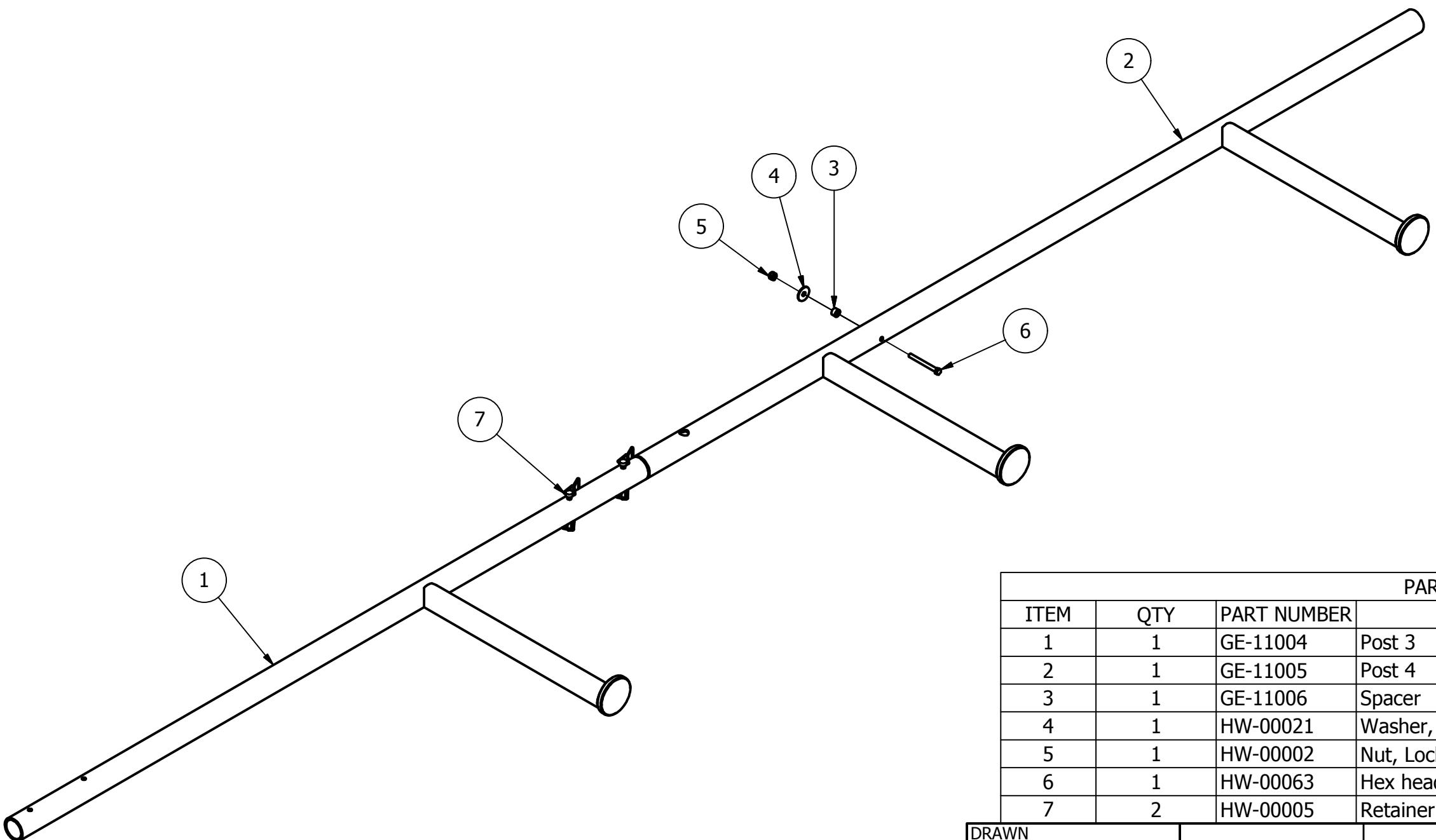
B

DWG NO

GE-11002

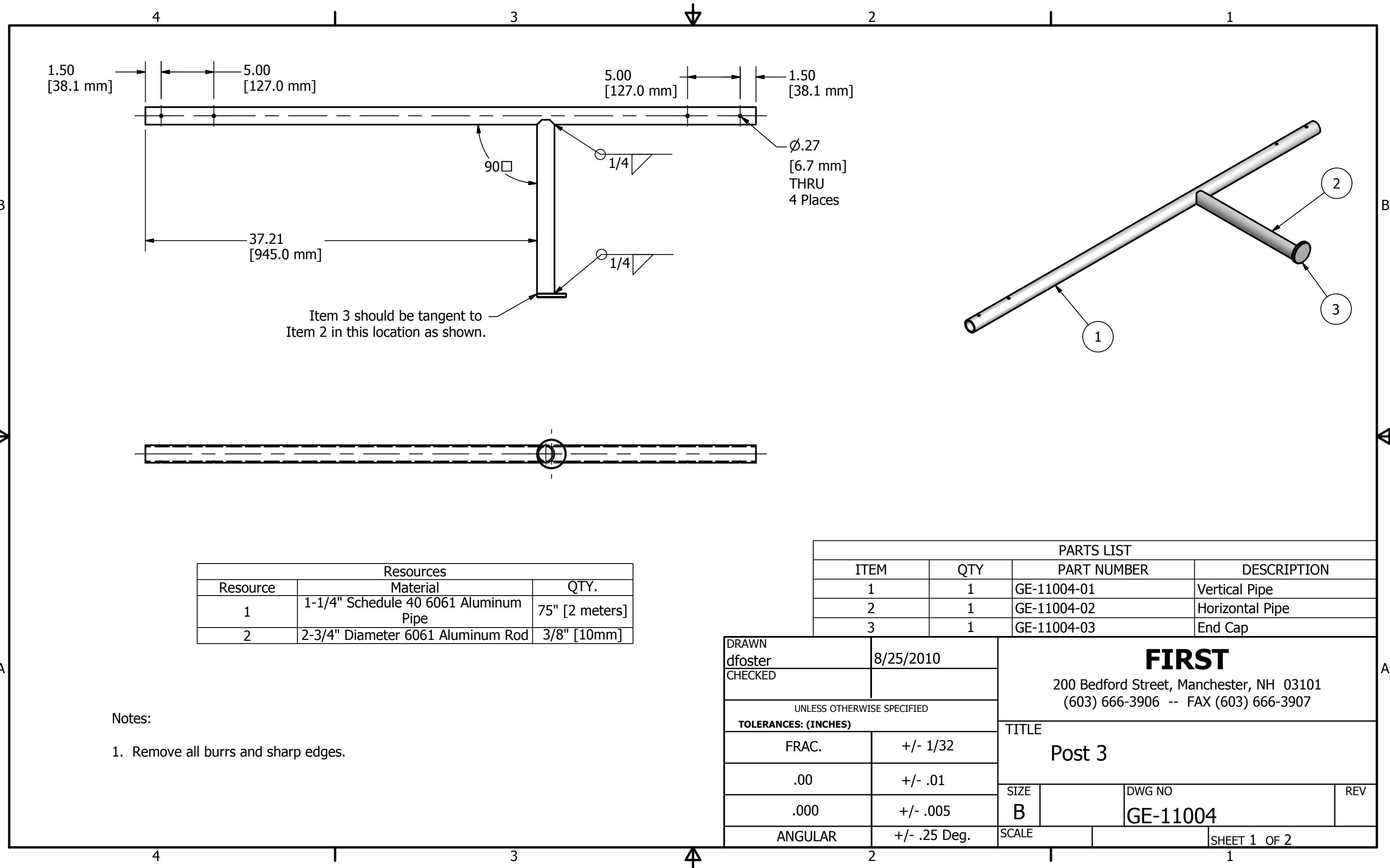
REV

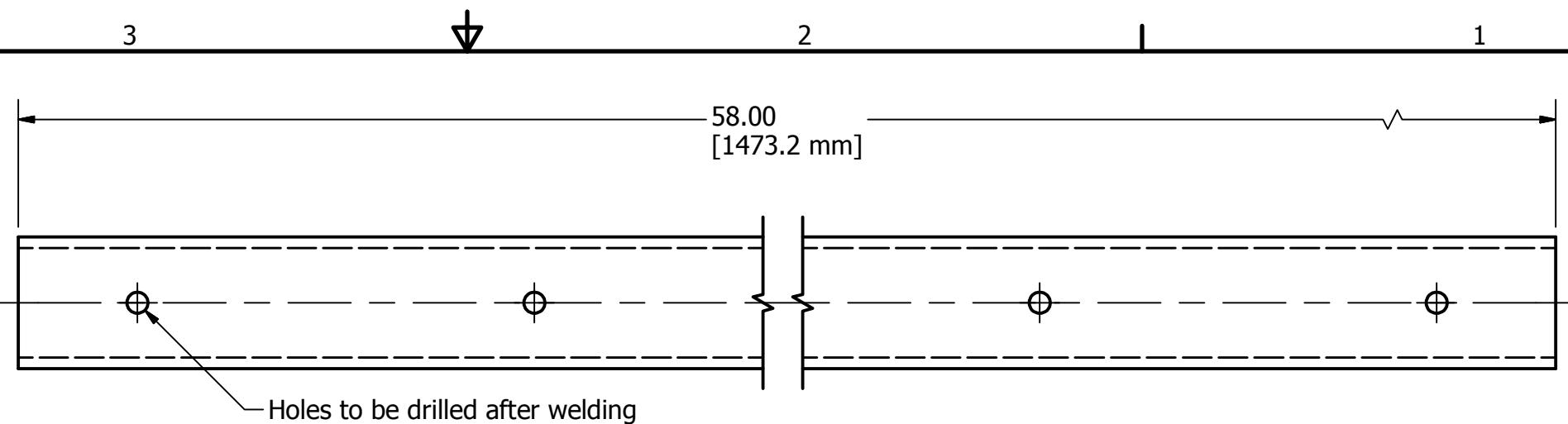
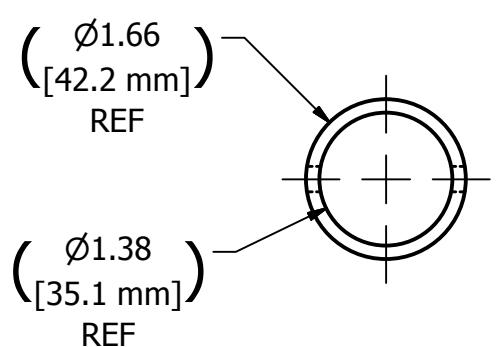
SHEET 4 OF 4



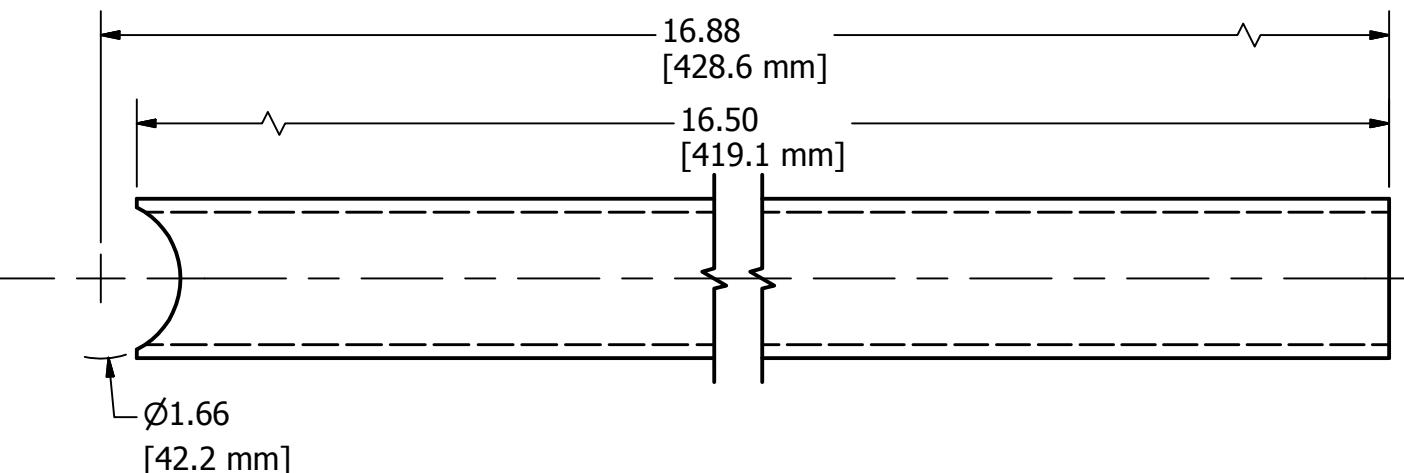
PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	GE-11004	Post 3
2	1	GE-11005	Post 4
3	1	GE-11006	Spacer
4	1	HW-00021	Washer, Fender 1/4" Zinc Plate
5	1	HW-00002	Nut, Lock 1/4-20
6	1	HW-00063	Hex head bolt 1/4-20 x 2.50"
7	2	HW-00005	Retainer pin 1/4" x 2-1/2" long (McMaster #: 98416A012)

DRAWN dfoster	12/28/2010	FIRST 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	

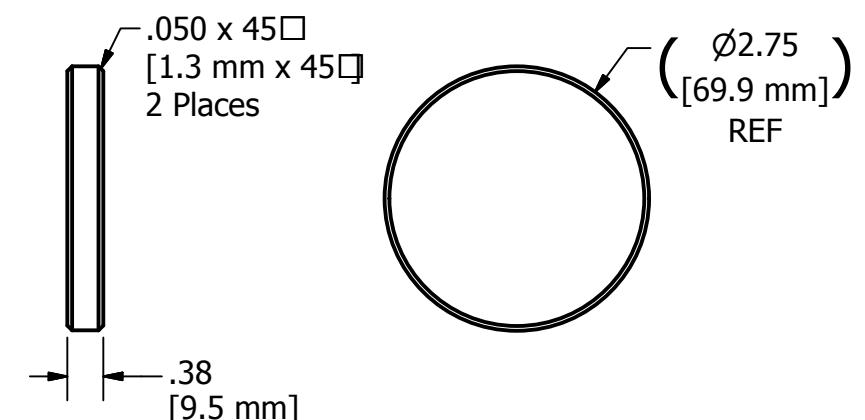
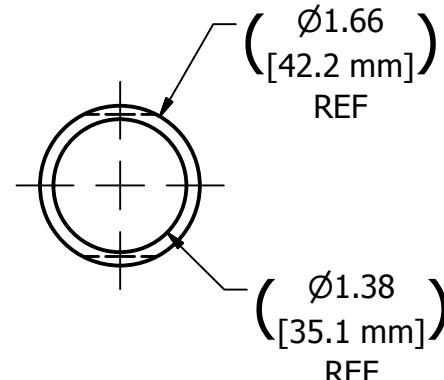




Item: 1, GE-11004-01, Vertical Pipe
Resource: 1
Scale: 1/2
QTY: 1

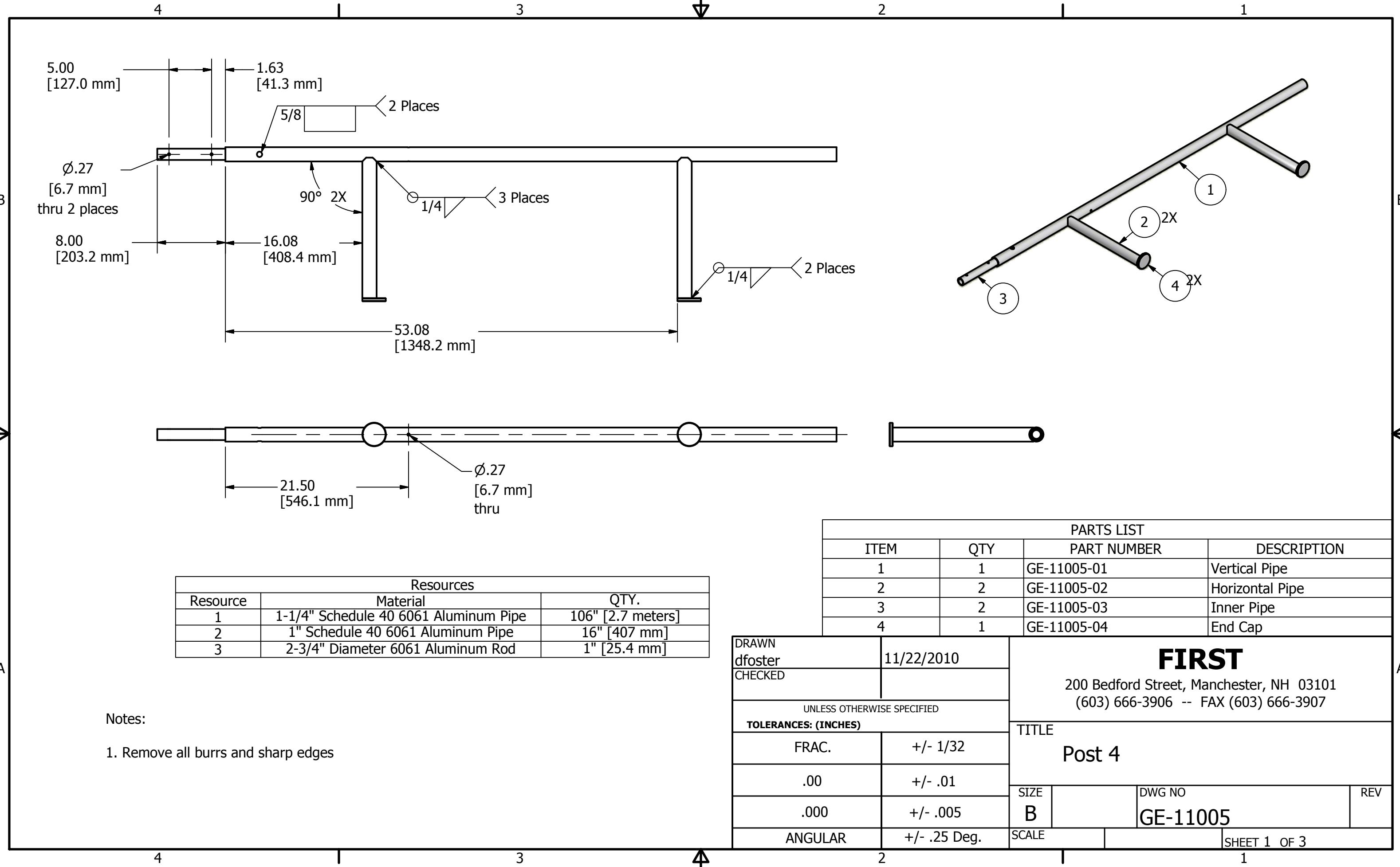


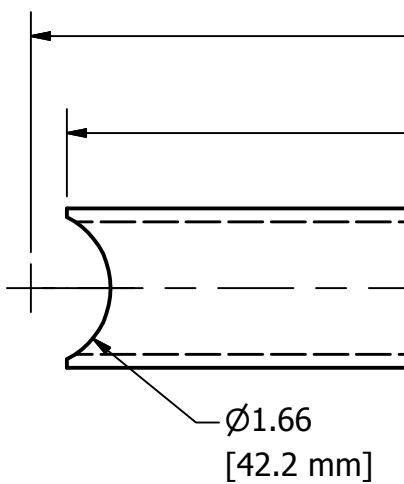
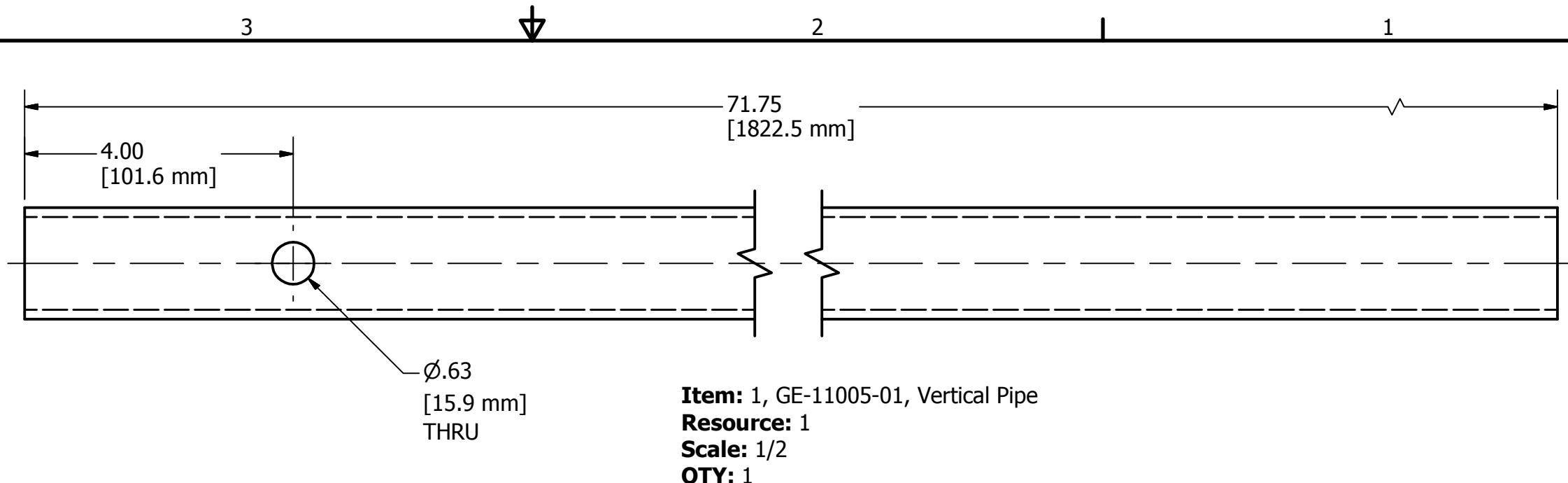
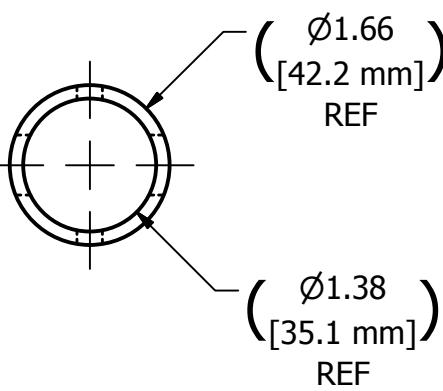
Item: 2, GE-11004-02, Horizontal Pipe
Resource: 1
Scale: 1/2
QTY: 1



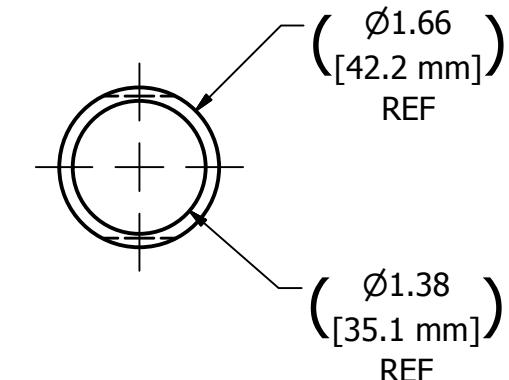
Item: 3, GE-11004-03, End Cap
Resource: 2
Scale: 1/2
QTY: 1

DRAWN dfoster	8/25/2010	FIRST		
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
UNLESS OTHERWISE SPECIFIED				
TOLERANCES: (INCHES)		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





Item: 1, GE-11005-02, Horizontal Pipe, Large
Resource: 1
Scale: 1/2
QTY: 2



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

4

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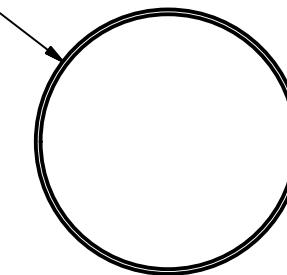
2

I

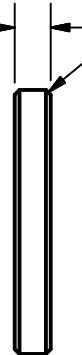
B

B

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



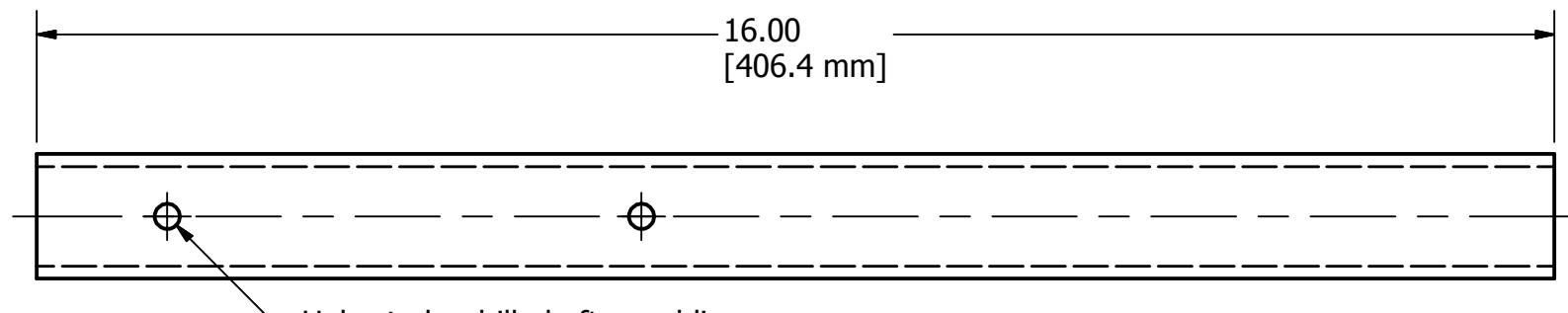
.38
[9.5 mm]
.05 x 45°
[1.3mm x 45°]
2 Places



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

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

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



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

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 4

SIZE

B

DWG NO

GE-11005

REV

SHEET 3 OF 3

4

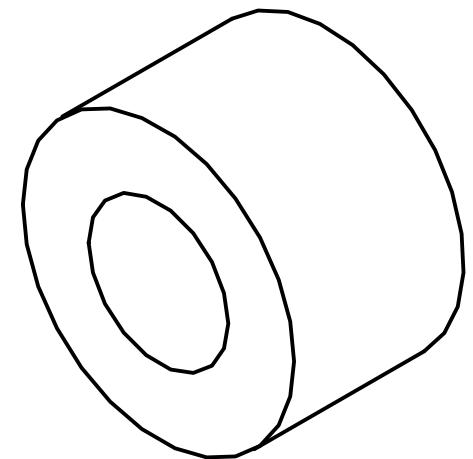
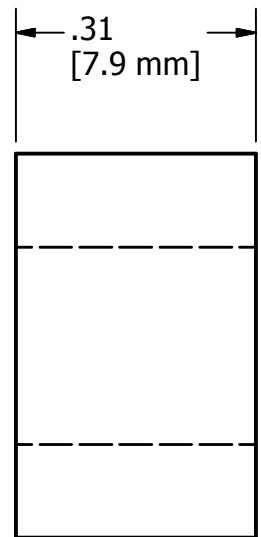
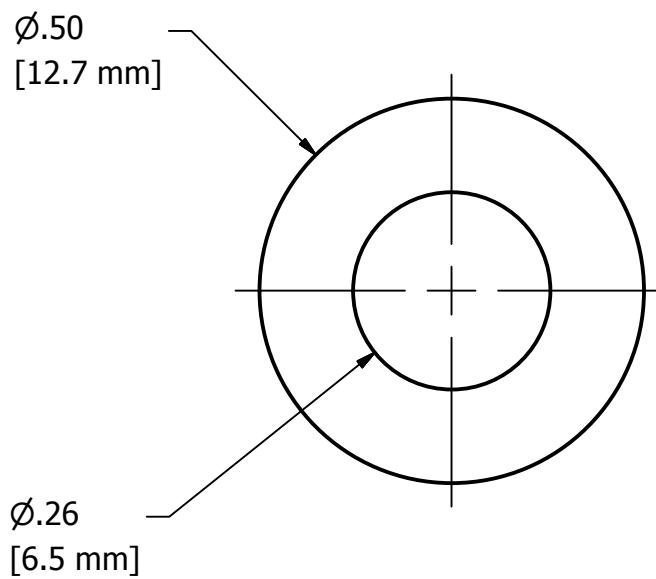
I

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2

I

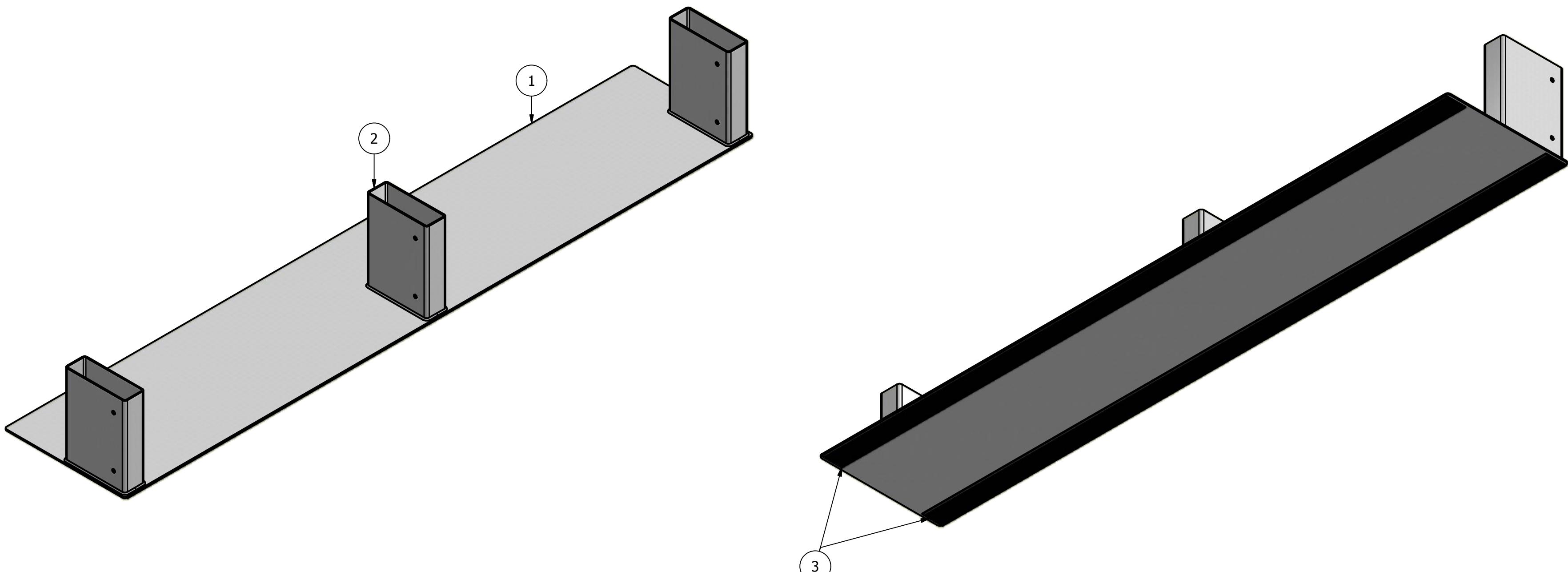
1



Notes:

1. Material: 6061 Aluminum
2. Remove all burrs and sharp edges.
3. Part can be machined or purchased from
www.aluminum-spacers.com, 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					
TOLERANCES: (INCHES)					
FRAC.	+/- 1/32				
.00	+/- .01				
.000	+/- .005	B	DWG NO GE-11006		
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	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-11020 REV	
		SCALE SHEET 1 OF 3	

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D

C

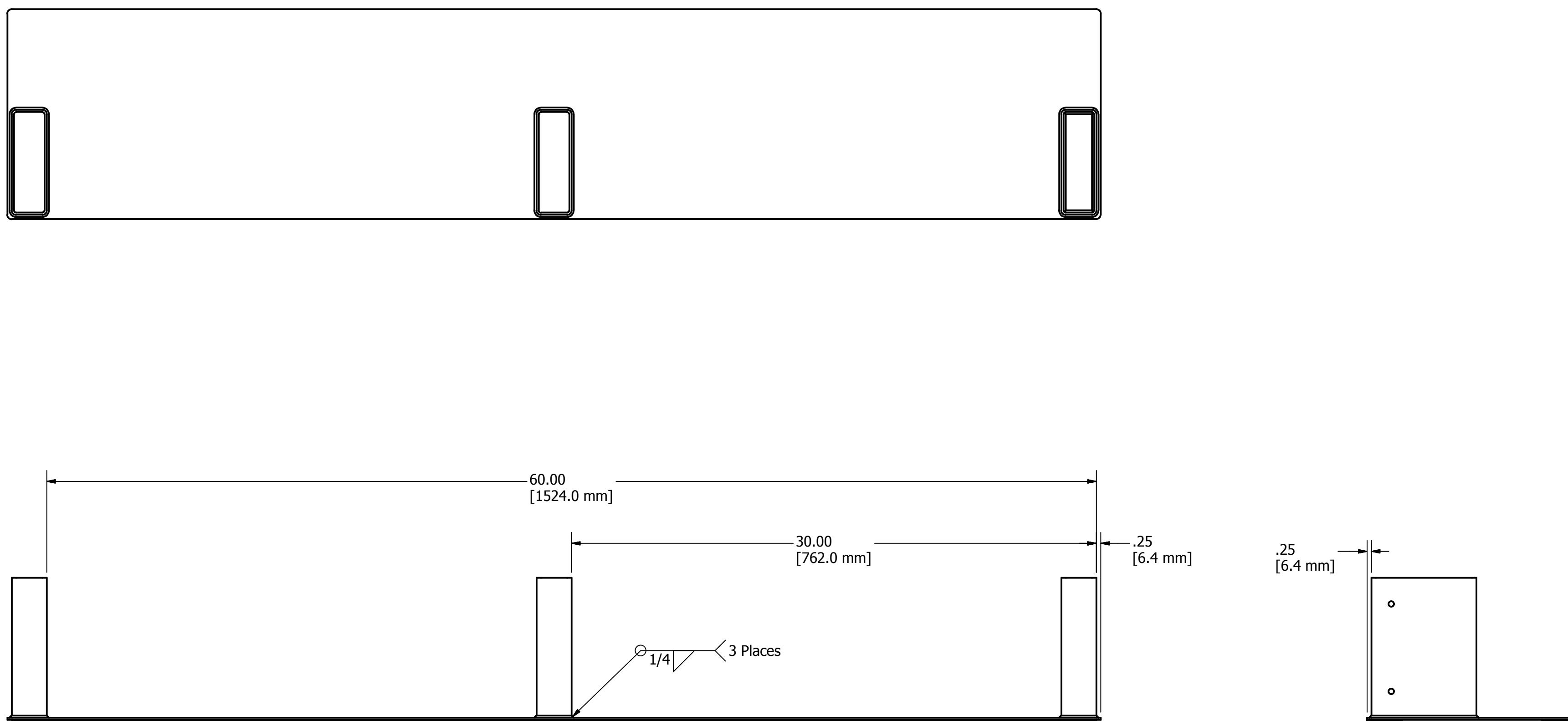
C

B

B

A

A



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	C	DWG NO
ANGULAR	+/- .25 Deg.	SCALE	REV
		GE-11020	
		SHEET 2 OF 3	

4

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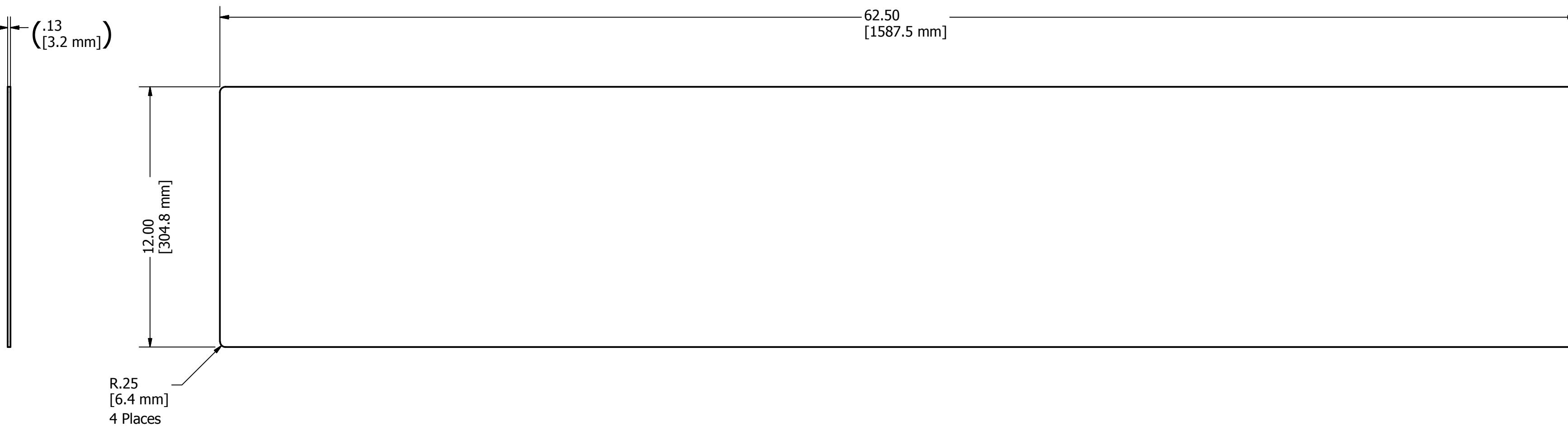
2

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4 3 2 1

D

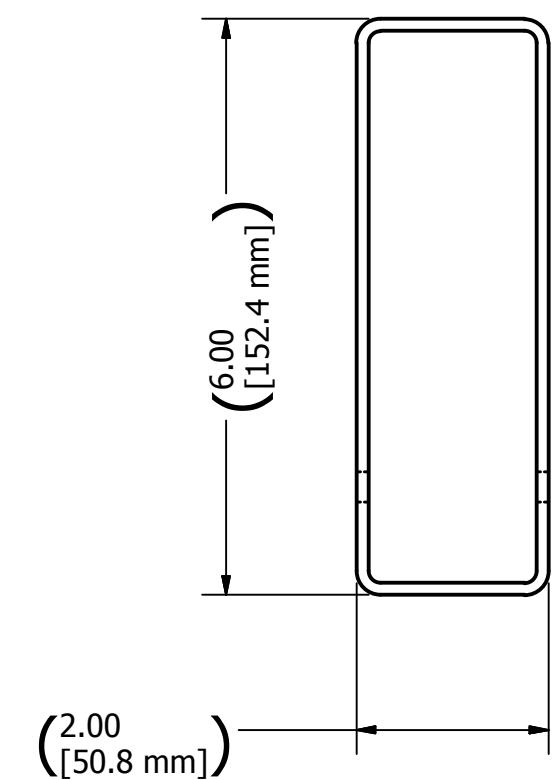


C

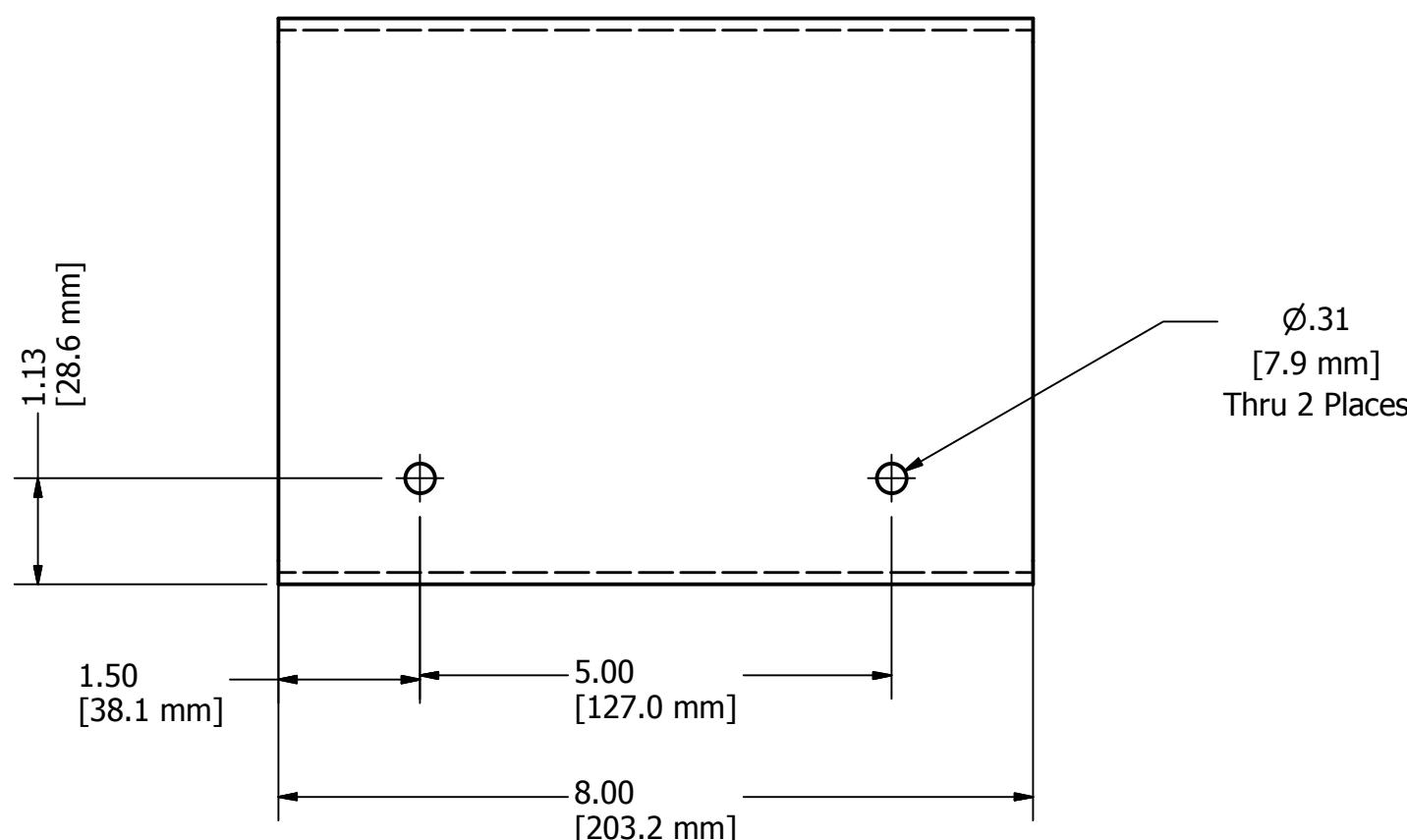
Item: 1, GE-11020-01, Base Plate
Resource: 1
Scale: 1/4
QTY: 1

A

B



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	DWG NO	REV
.000	+/- .005	C	GE-11020	
ANGULAR	+/- .25 Deg.	SCALE		SHEET 3 OF 3

4 3 2 1

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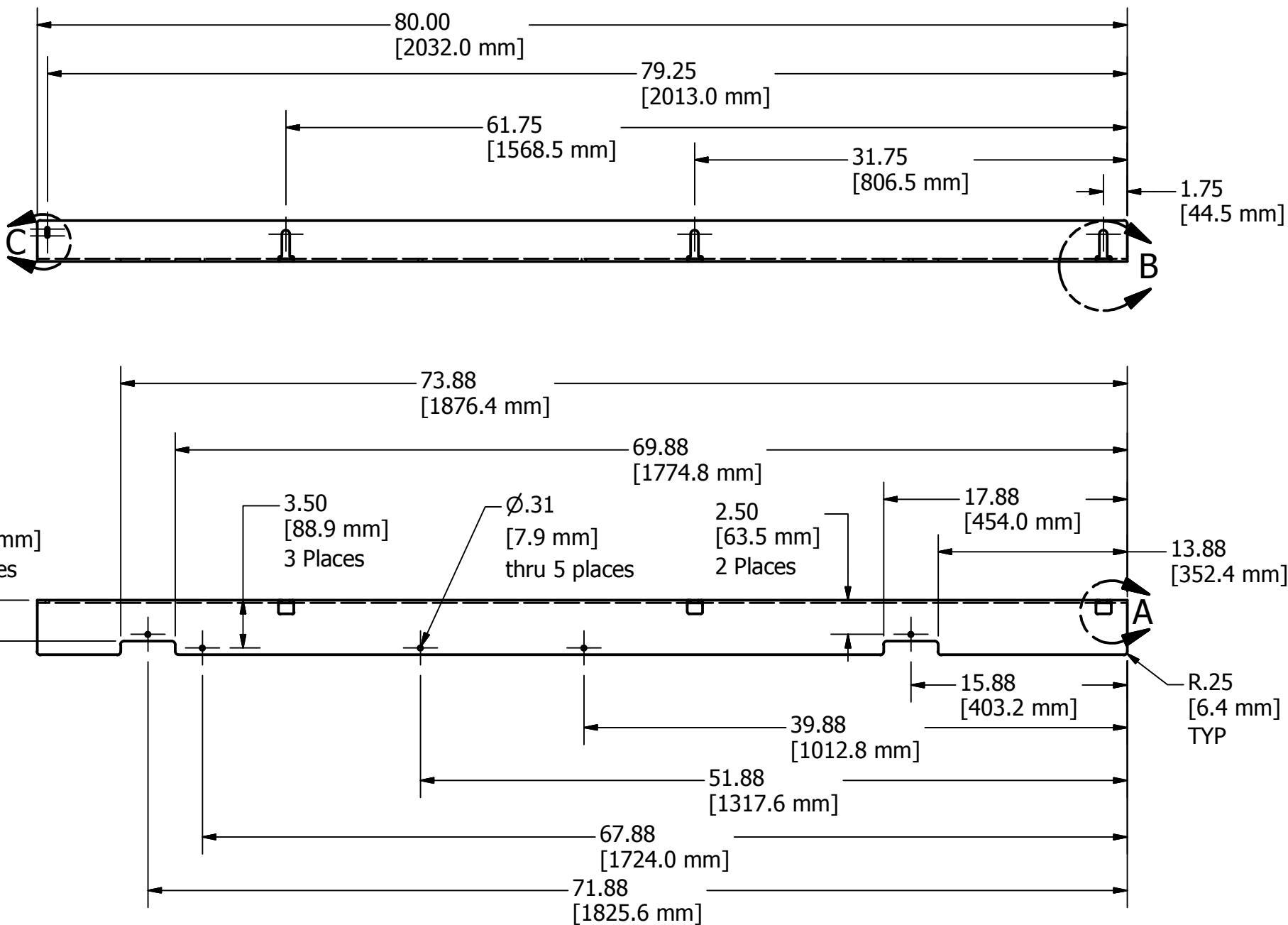
D

C

B

A

A

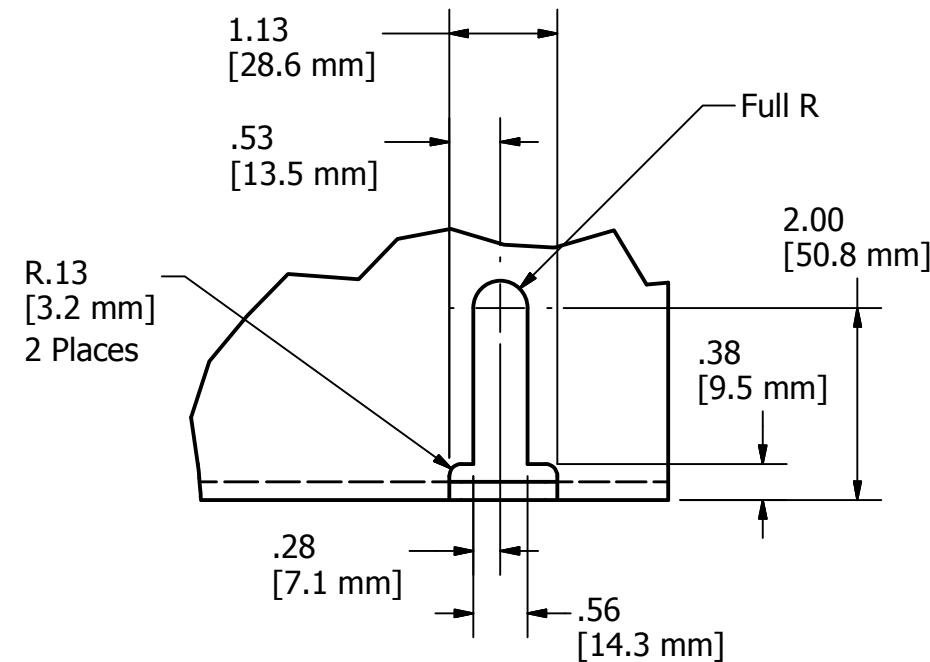


Notes:

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

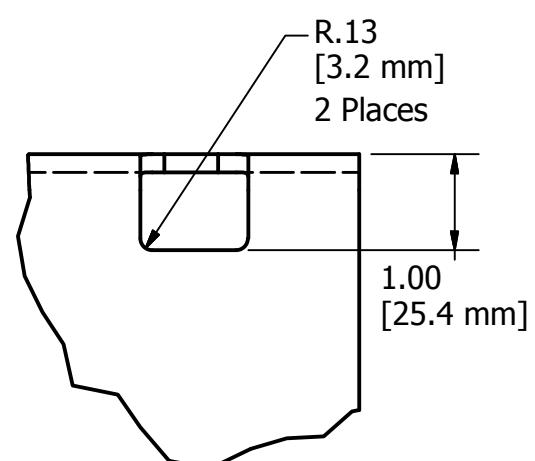
DRAWN dfoster	11/29/2010	200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907					
UNLESS OTHERWISE SPECIFIED							
TOLERANCES: (INCHES)							
FRAC.	+/- 1/32	TITLE					
.00	+/- .01	Mounting Angle, Left					
.000	+/- .005	SIZE	DWG NO	REV			
ANGULAR	+/- .25 Deg.	B	GE-11021		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

4 | 1 | 3 | 2 | 1



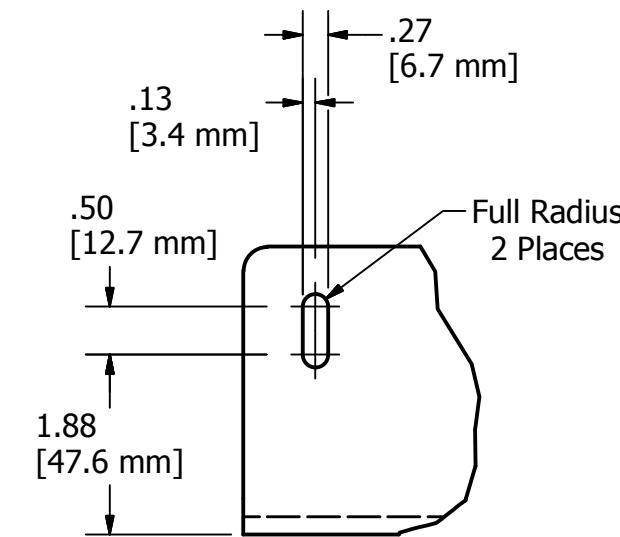
Note: Dimensions typical for all three slots.

DETAIL B
SCALE 1 / 2



Note: Dimensions typical for all three slots.

DETAIL A
SCALE 1 / 2

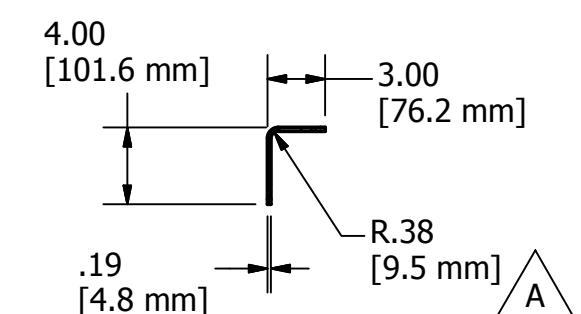
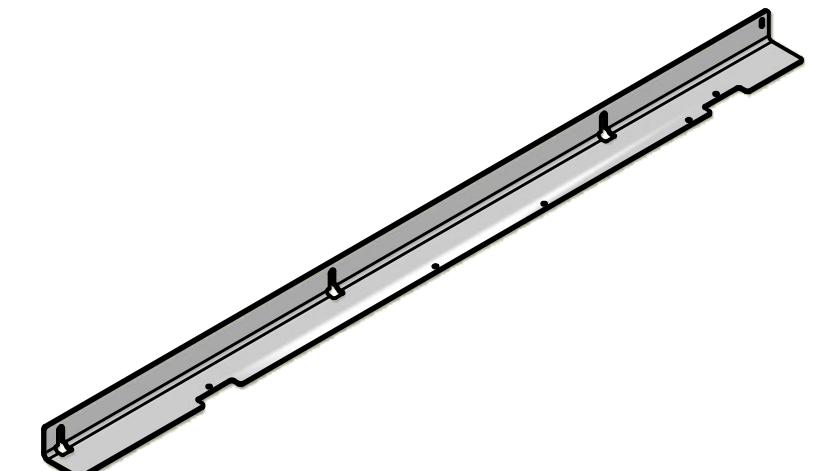
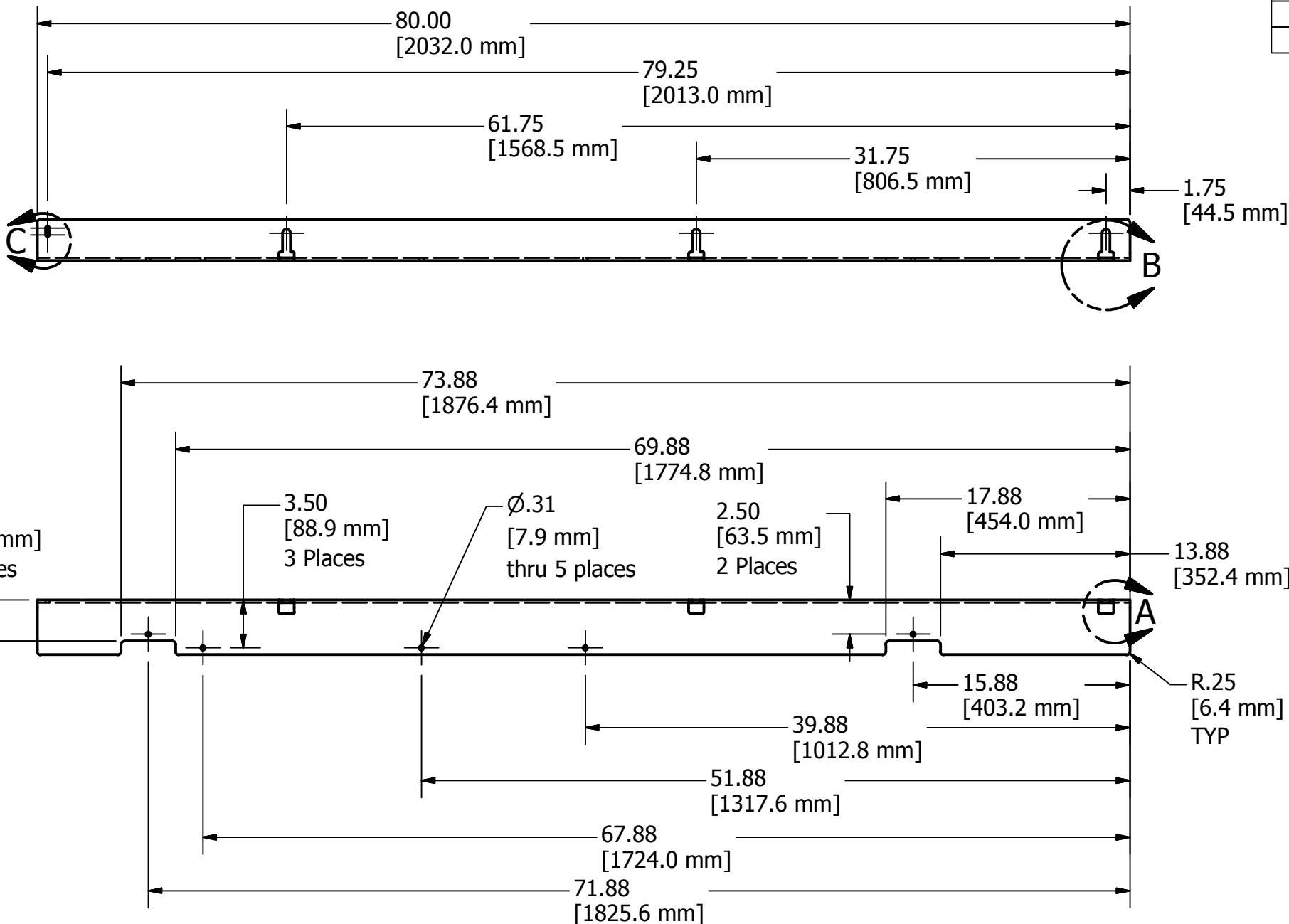


DETAIL C
SCALE 1 / 2

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:

- Material: 5052 Aluminum
- 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	A					

4

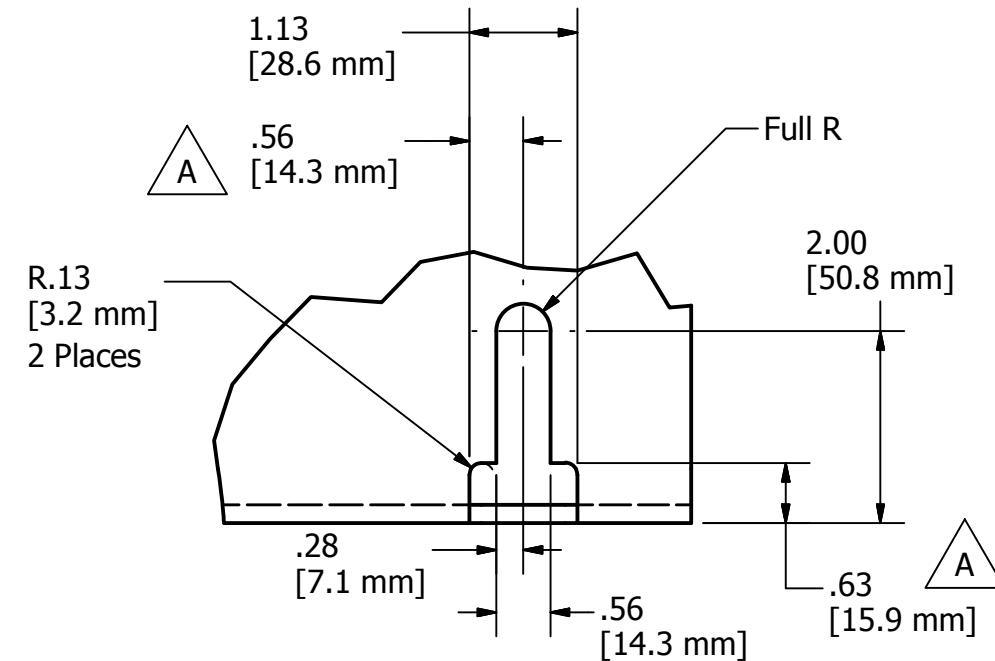
3

2

1

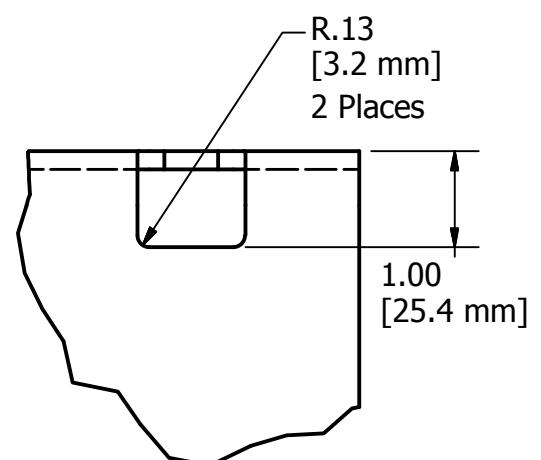
B

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

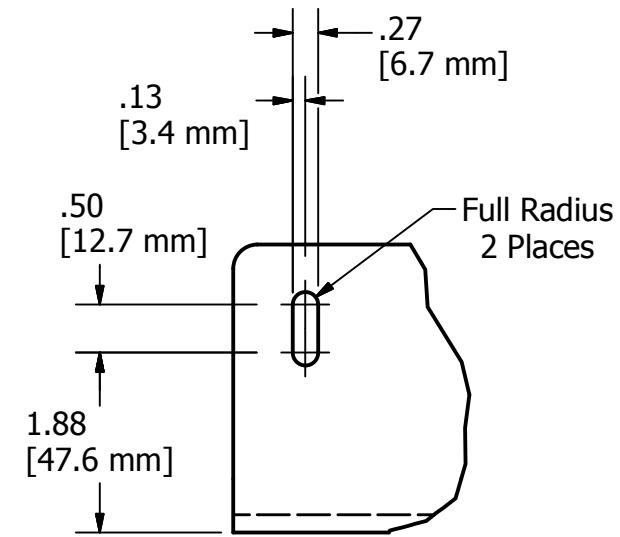
4

3

2

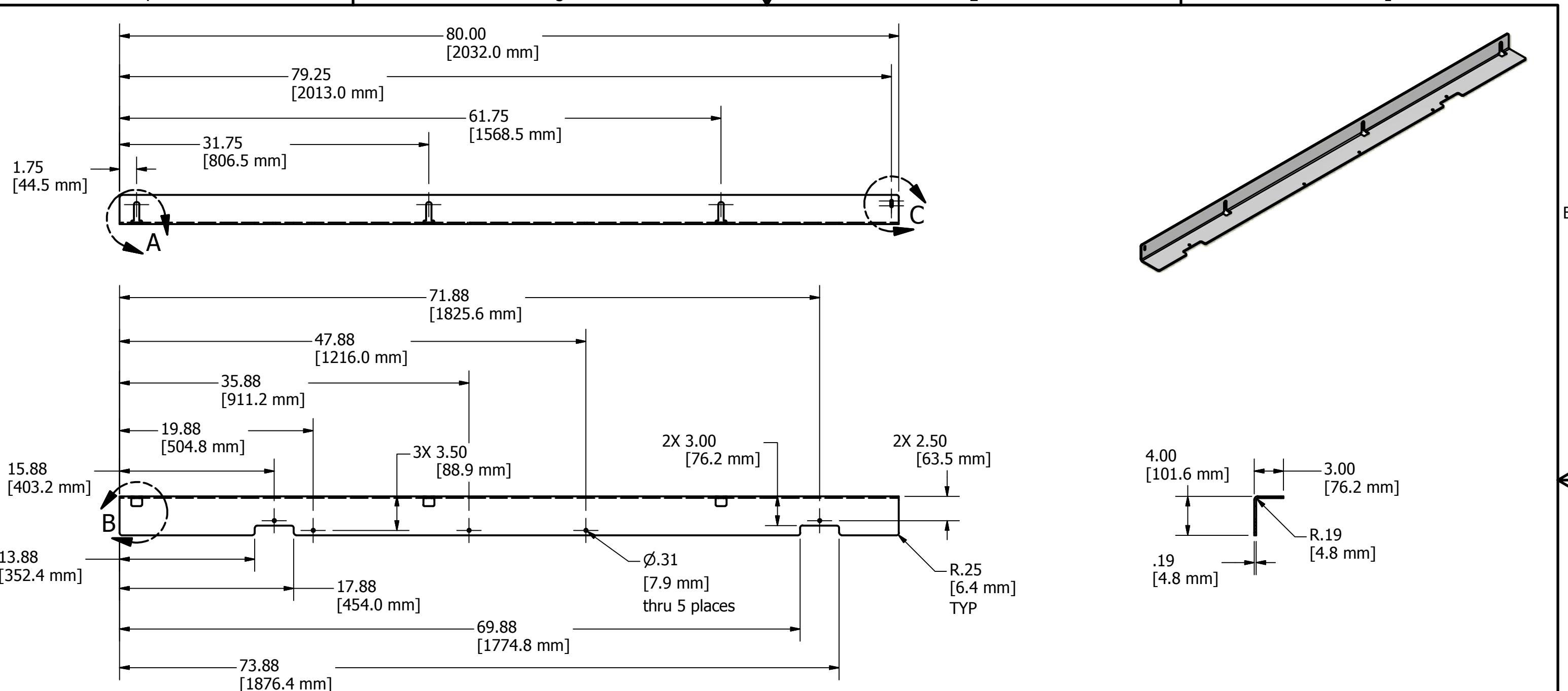
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REVISION HISTORY				
ZONE	REV	DESCRIPTION	DATE	APPROVED
B-3, B-4	A	.63 was .38, .56 was .53	12/17/2010	DAF



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							
TOLERANCES: (INCHES)							
FRAC.	+/- 1/32						
.00	+/- .01						
.000	+/- .005						
ANGULAR	+/- .25 Deg.	SCALE		SHEET 2 OF 2			

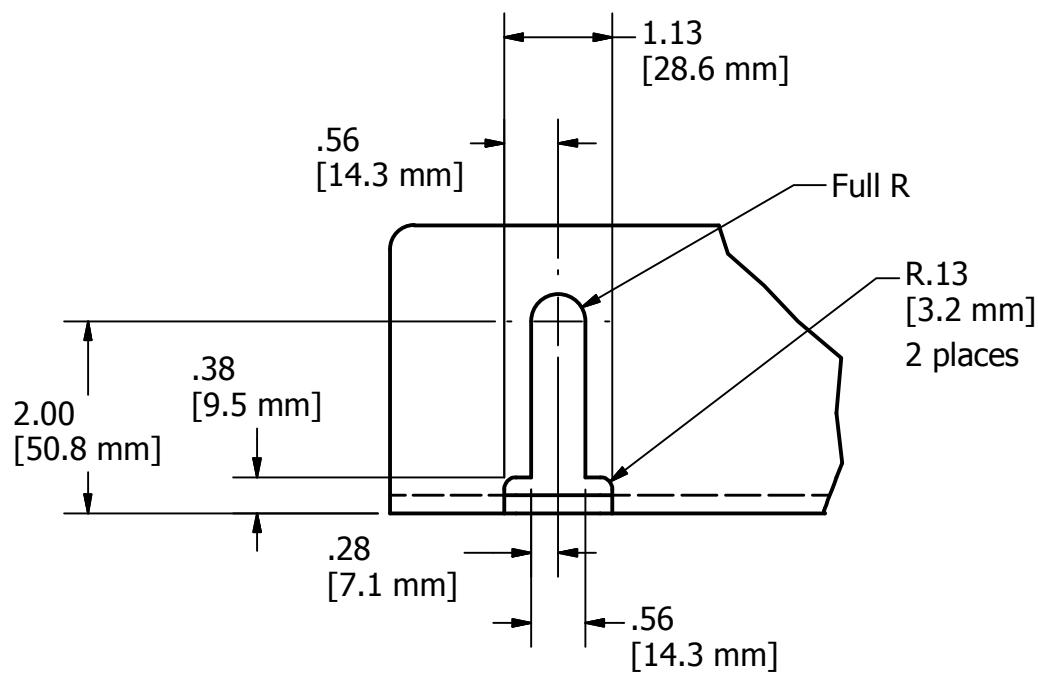


Notes:

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

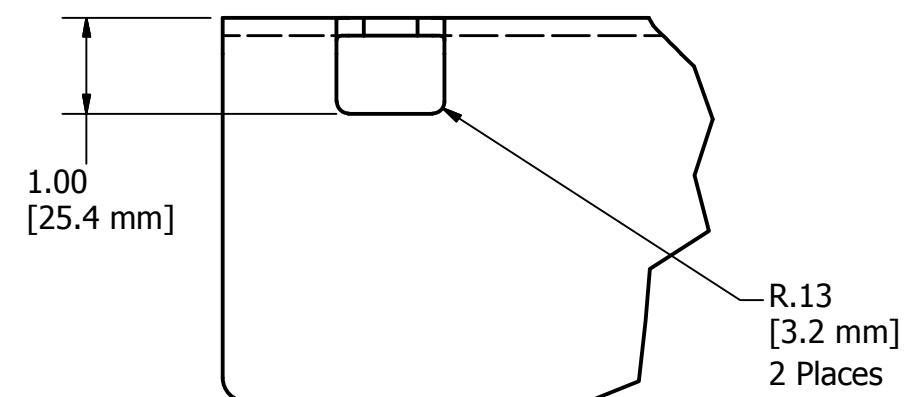
DRAWN dfoster	11/29/2010	FIRST 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
CHECKED				
UNLESS OTHERWISE SPECIFIED				
TOLERANCES: (INCHES)		TITLE Mounting Angle, Right		
FRAC.	+/- 1/32			
.00	+/- .01			
.000	+/- .005			
ANGULAR	+/- .25 Deg.	SIZE B	DWG NO GE-11022	REV
		SCALE	SHEET 1 OF 2	

4 | 1 | 3 | 2 | 1



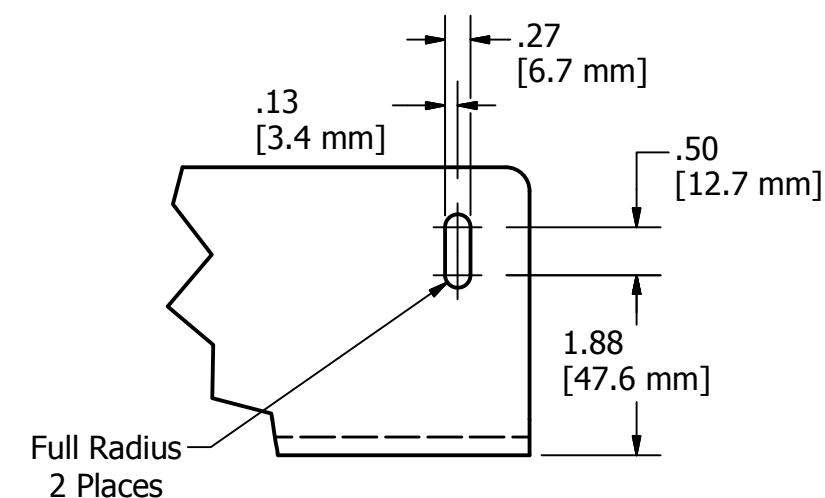
Note: Dimensions typical for all three slots.

DETAIL A
SCALE 1 / 2



Note: Dimensions typical for all three slots.

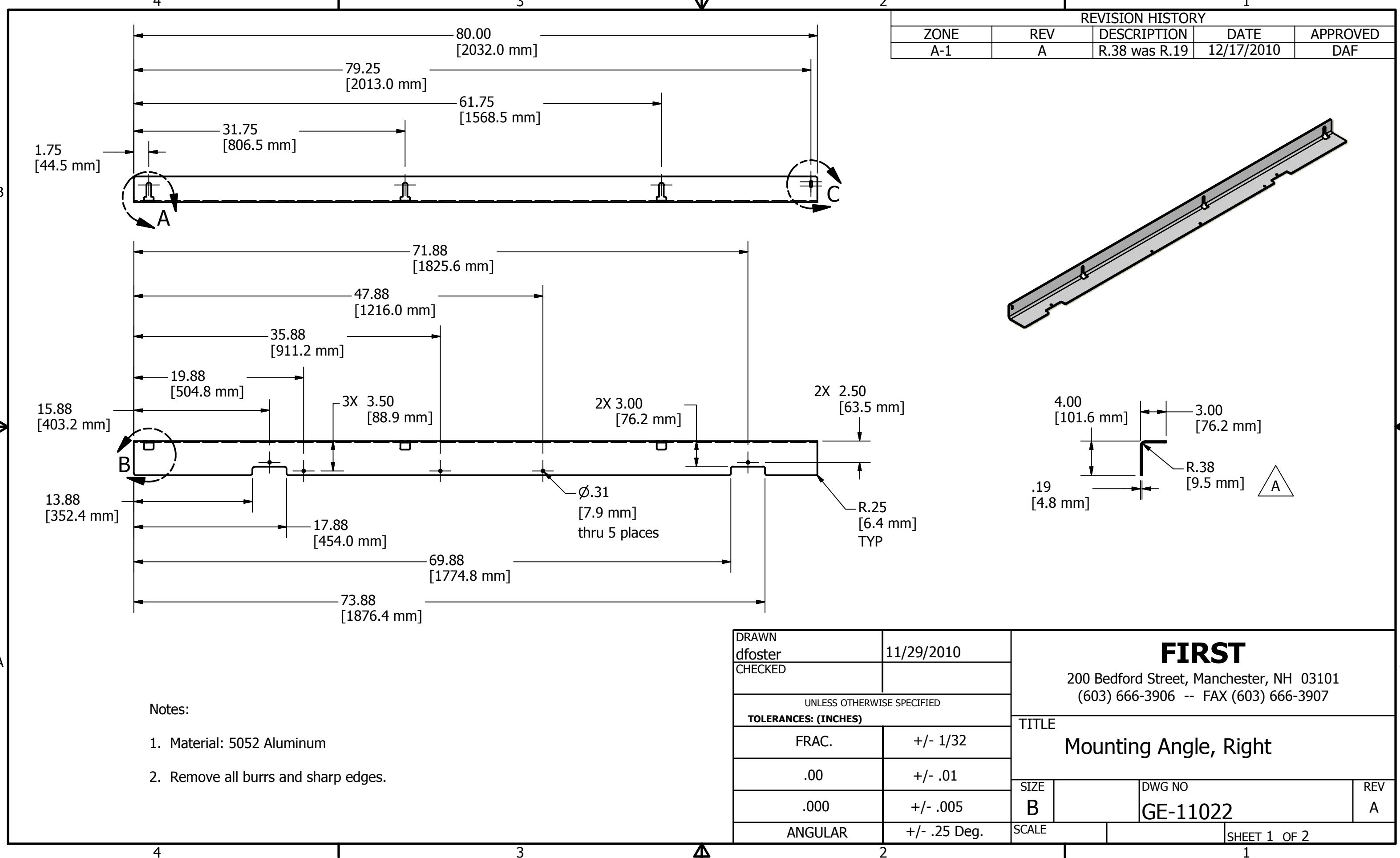
DETAIL B
SCALE 1 / 2



DETAIL C
SCALE 1 / 2

DRAWN dfoster	11/29/2010	FIRST					
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907					
UNLESS OTHERWISE SPECIFIED							
TOLERANCES: (INCHES)							
FRAC.	+/- 1/32						
.00	+/- .01						
.000	+/- .005	SIZE B	DWG NO GE-11022	REV			
ANGULAR	+/- .25 Deg.	SCALE		SHEET 2 OF 2			

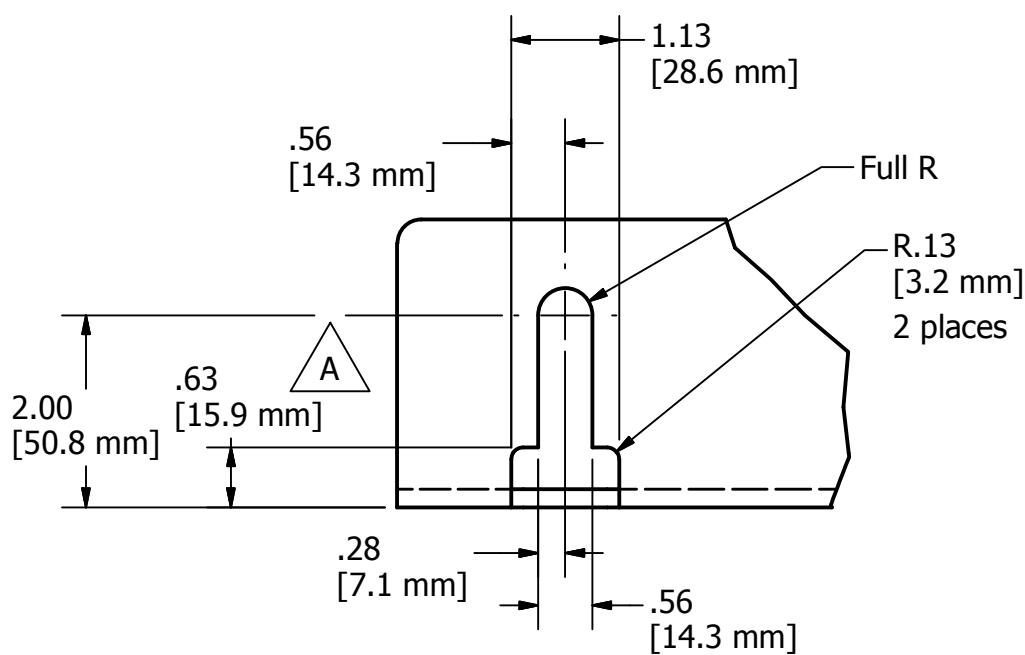
4 | 1 | 3 | 2 | 1



4 3 2 1

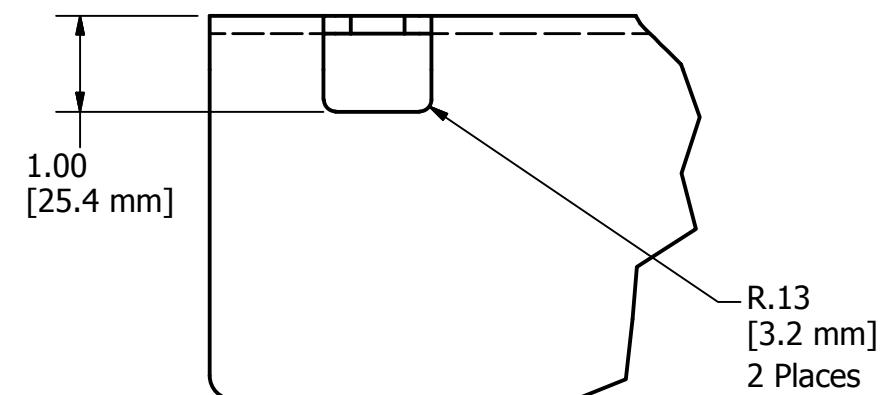
REVISION HISTORY

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



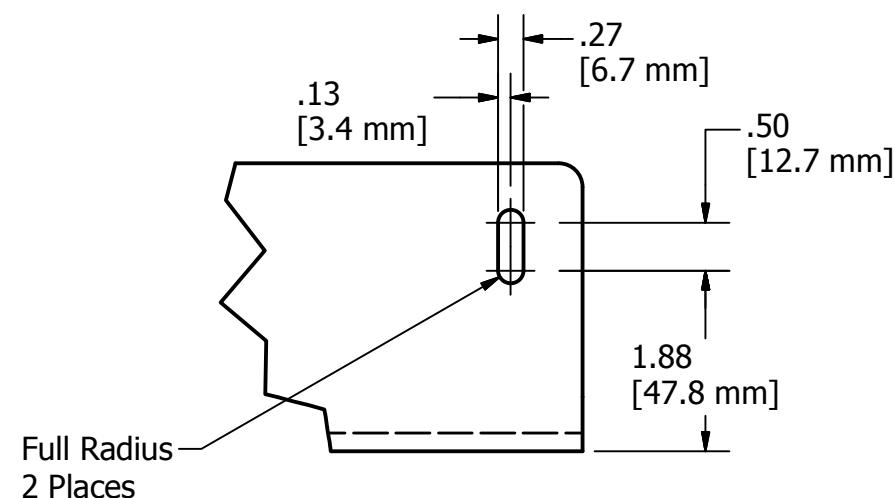
Note: Dimensions typical for all three slots.

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.

SIZE	DWG NO
B	GE-11022

SCALE	
-------	--

SHEET 2 OF 2	
--------------	--

FIRST

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

TITLE

Mounting Angle, Right

4 3 2 1

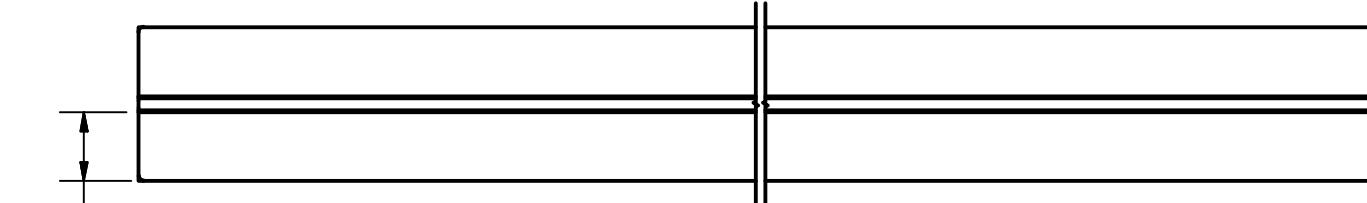
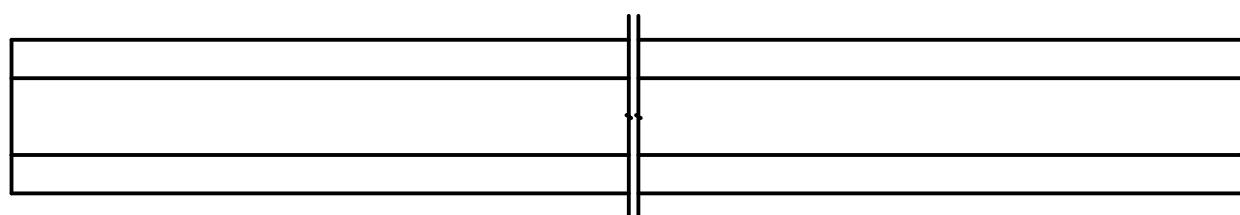
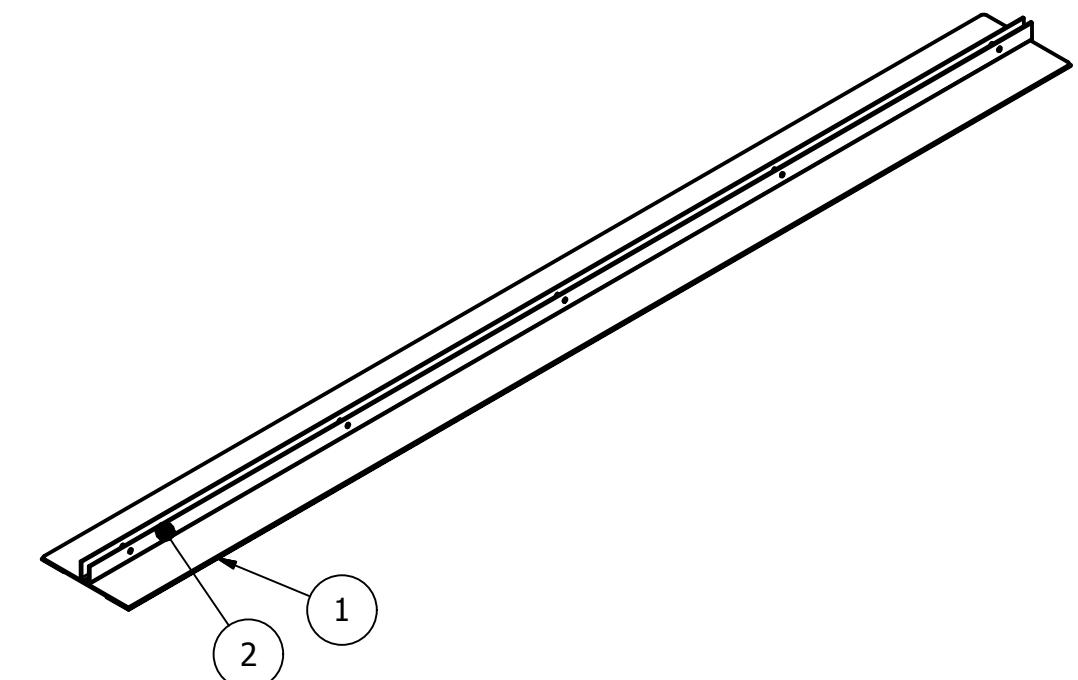
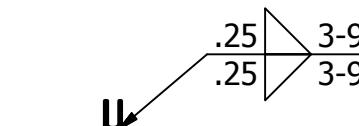
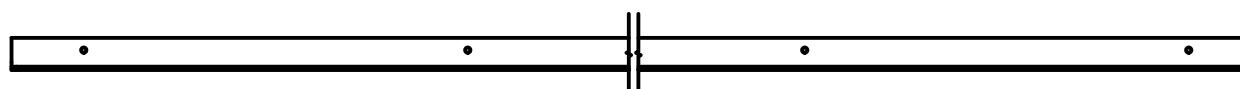
4

3

2

1

B

3.56
[90.5 mm]

3

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	TITLE Base Plate, Lane Divider			
.00	+/- .01				
.000	+/- .005	SIZE	DWG NO		
ANGULAR	+/- .25 Deg.	B	GE-11023		
SCALE		REV			
SHEET 1 OF 2					

4

3

4

2

1

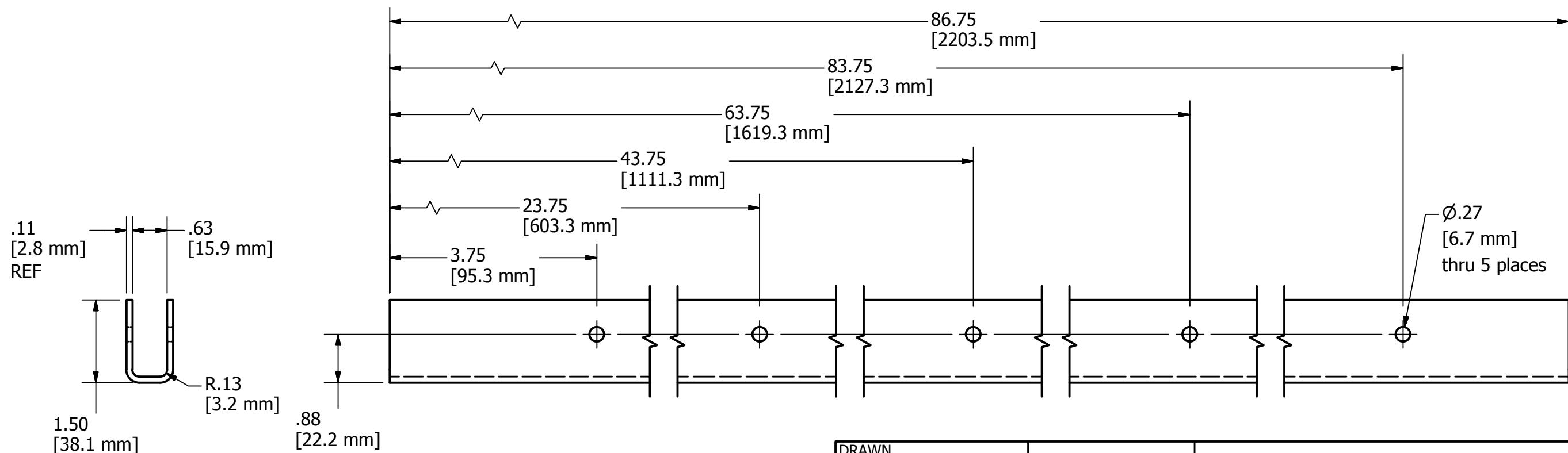
B

A

A

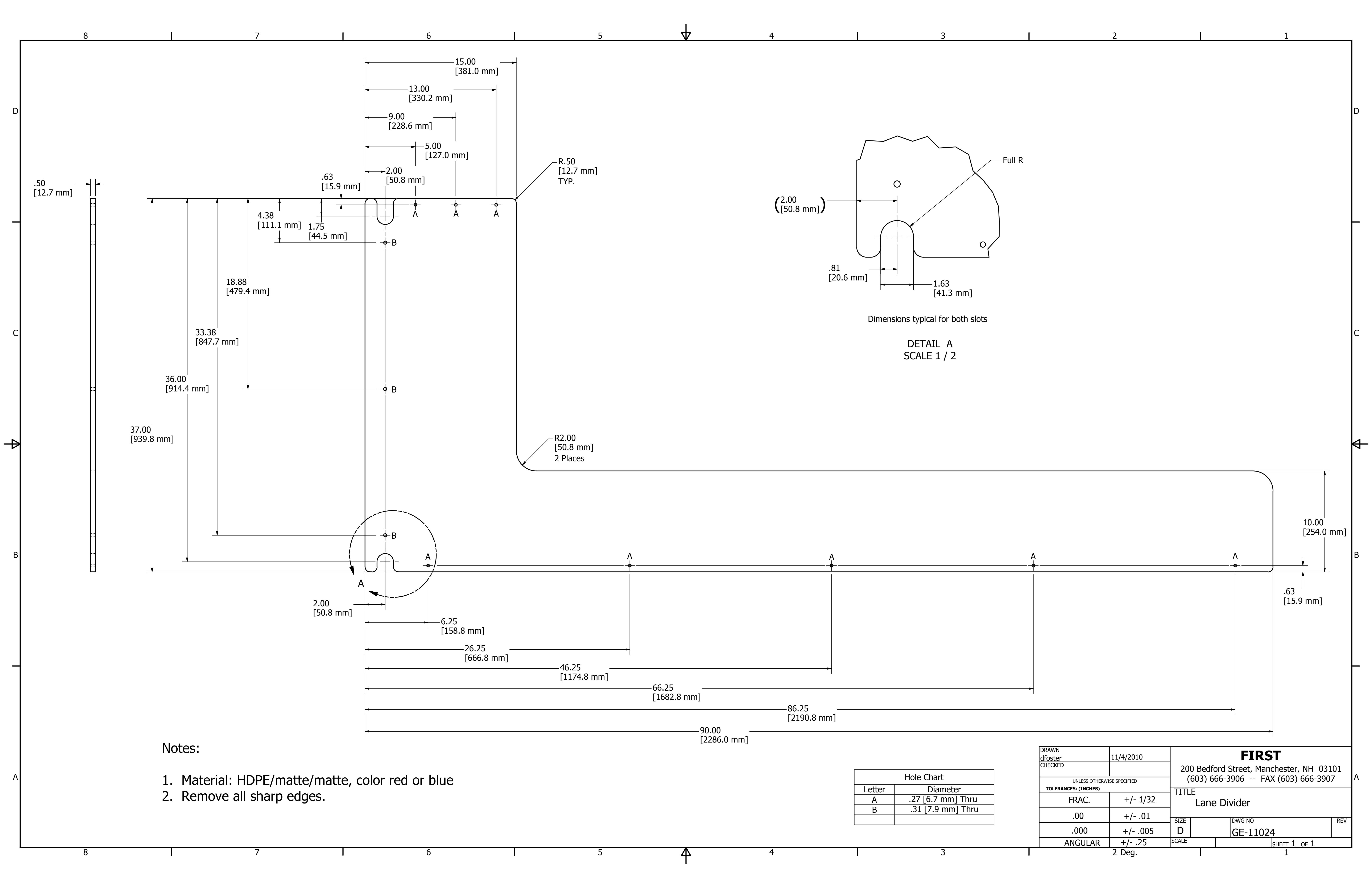


Item: 1, GE-11023-01 Base Plate
Resource: 1
Scale: 1/10



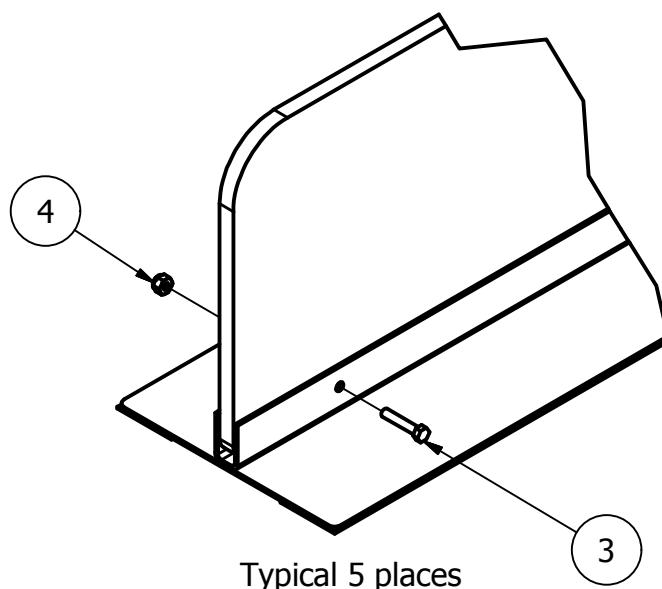
Item: 2, GE-11023-02 U-Channel
Resource: 1
Scale: 1/2

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	
B		DWG NO	GE-11023	REV	

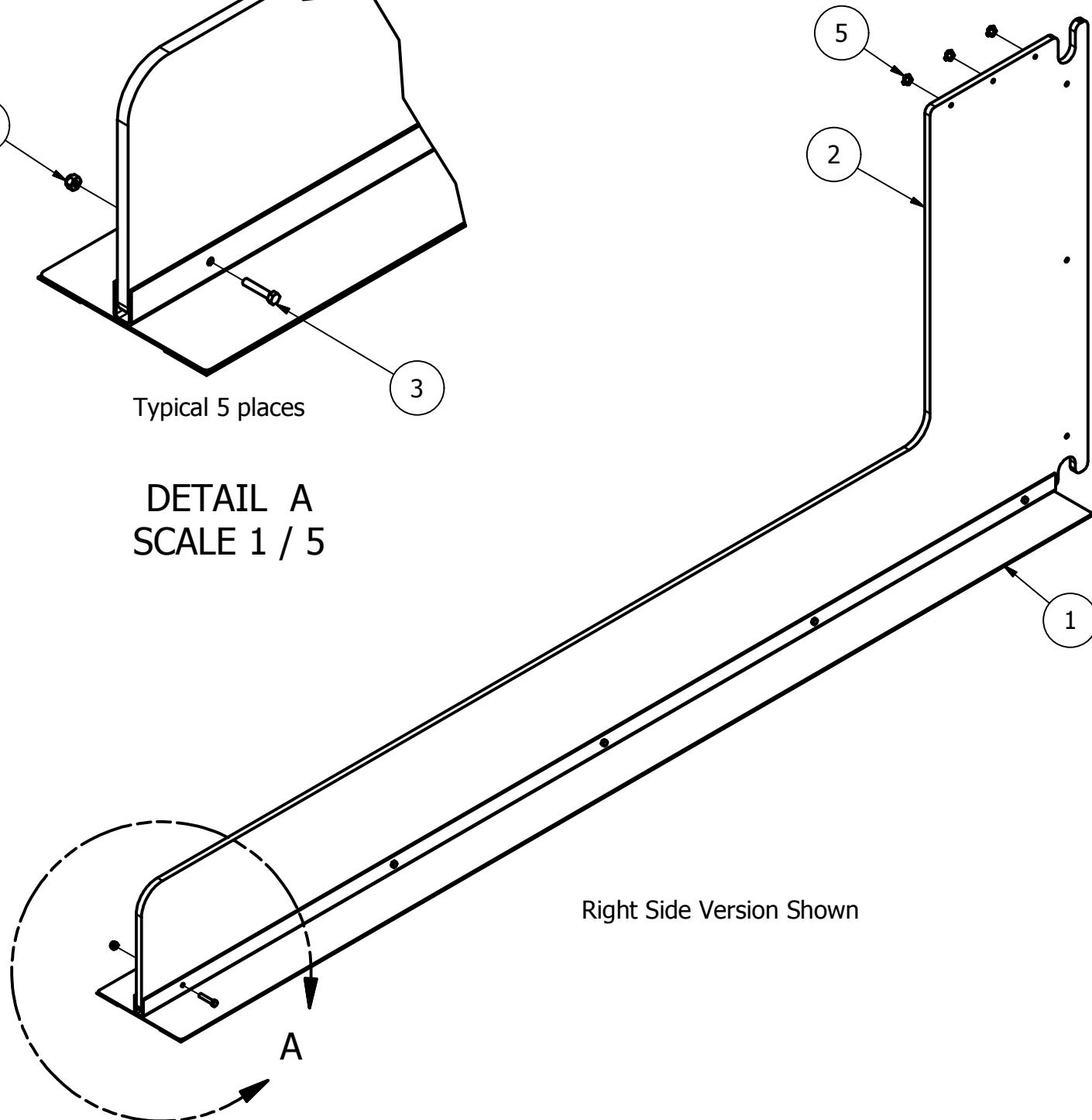


4 | 3 | 2 | 1

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.

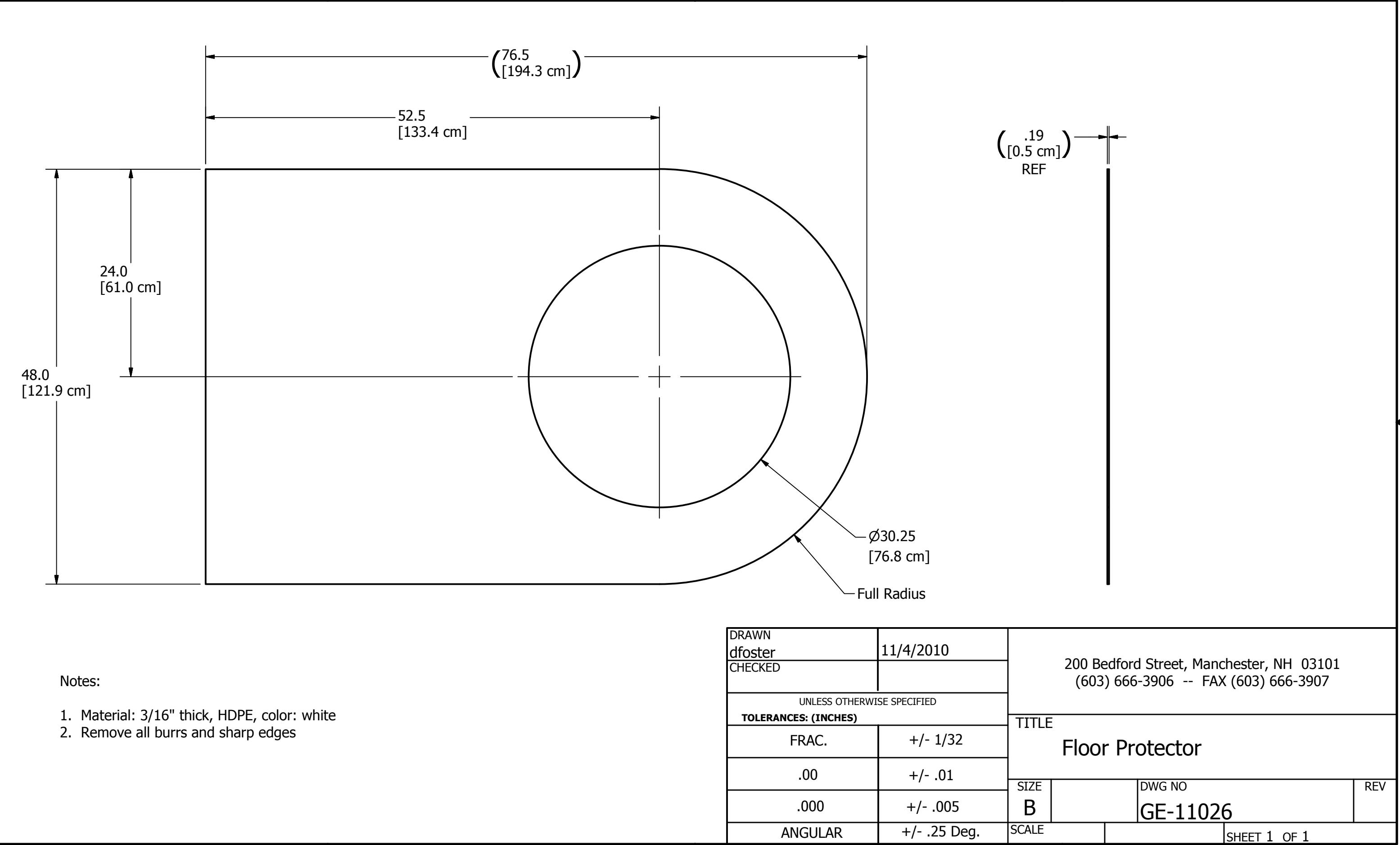
SIZE B DWG NO GE-11025 REV

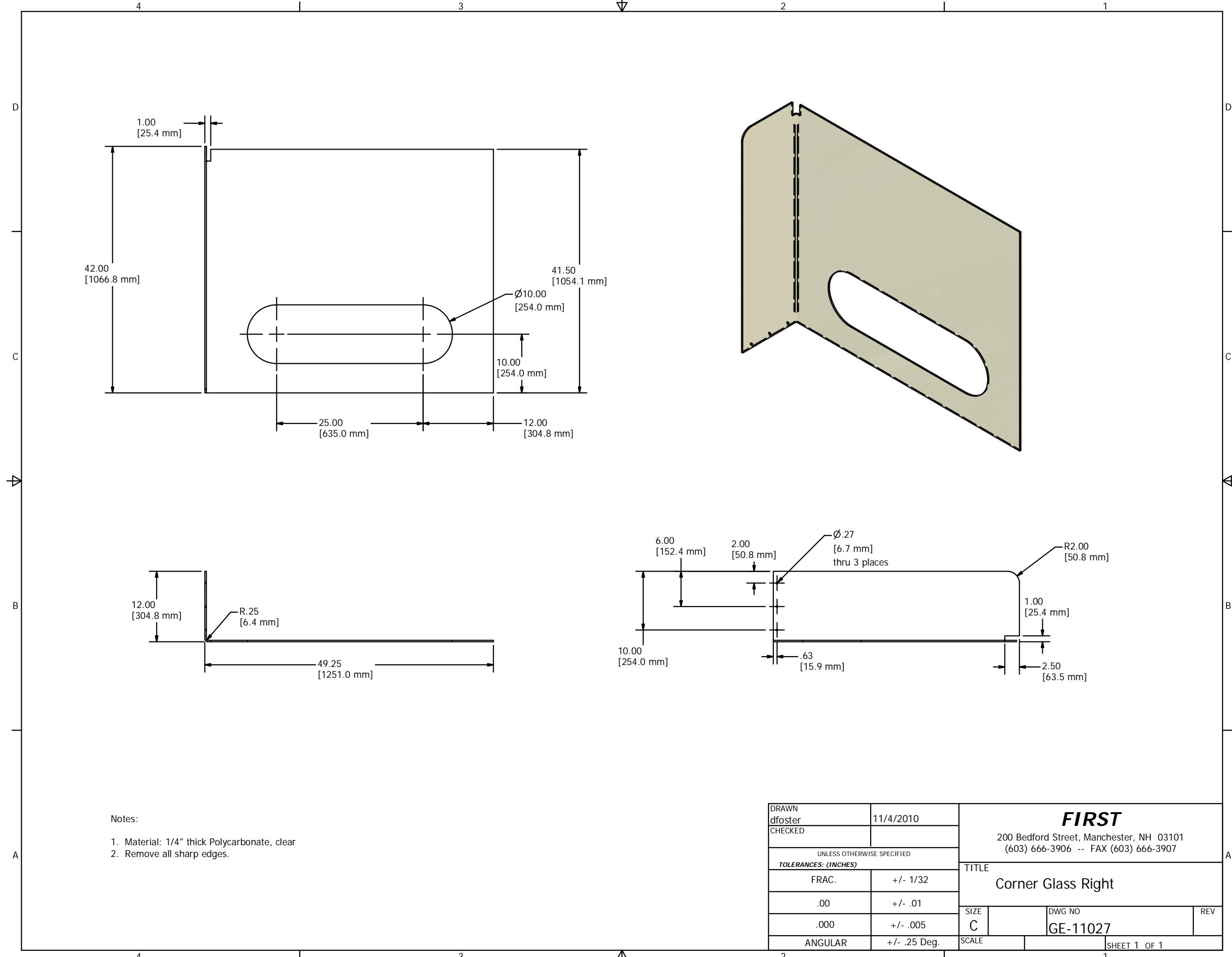
A

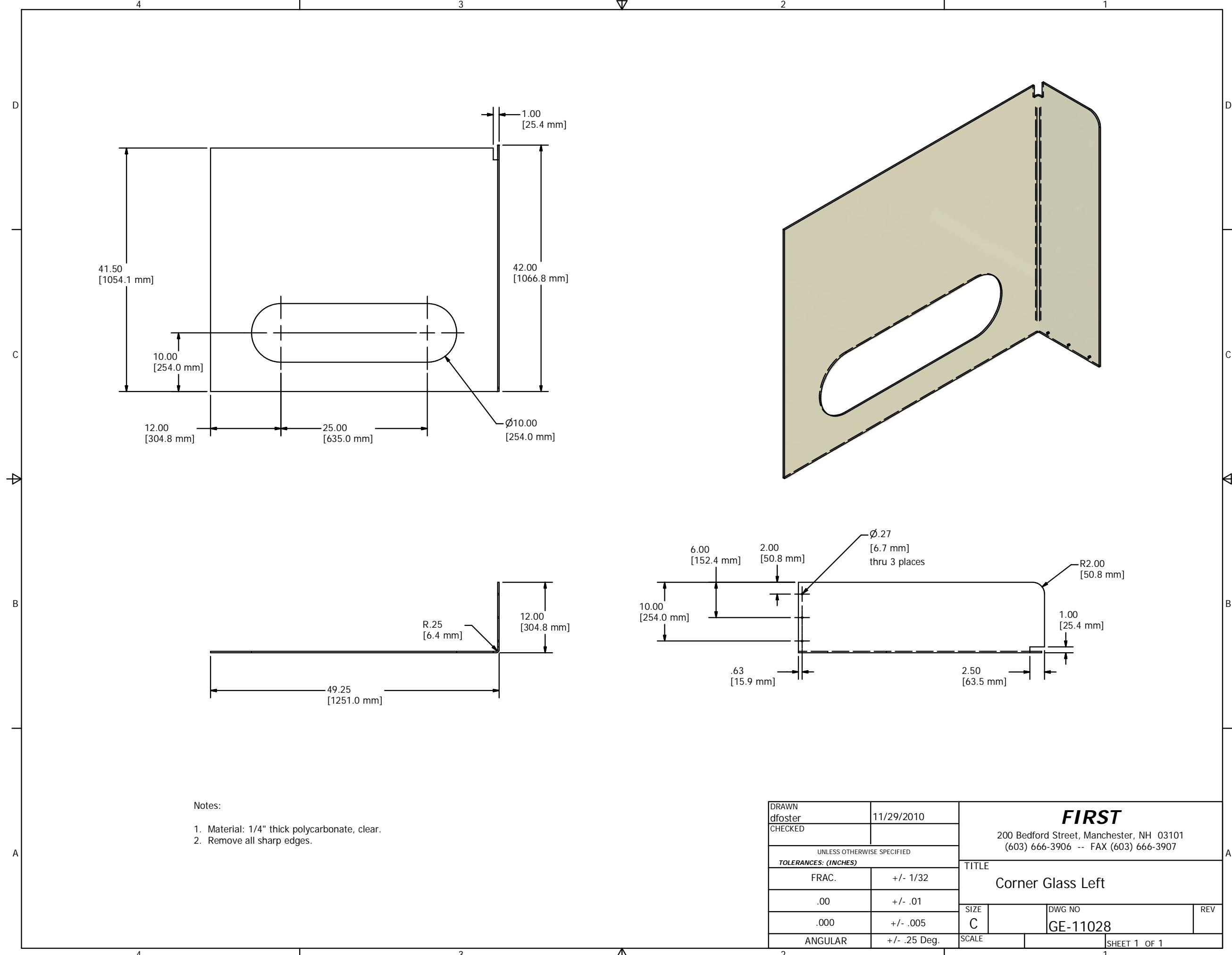
200 Bedford Street, Manchester, NH 03101
(603) 666-3906 -- FAX (603) 666-3907

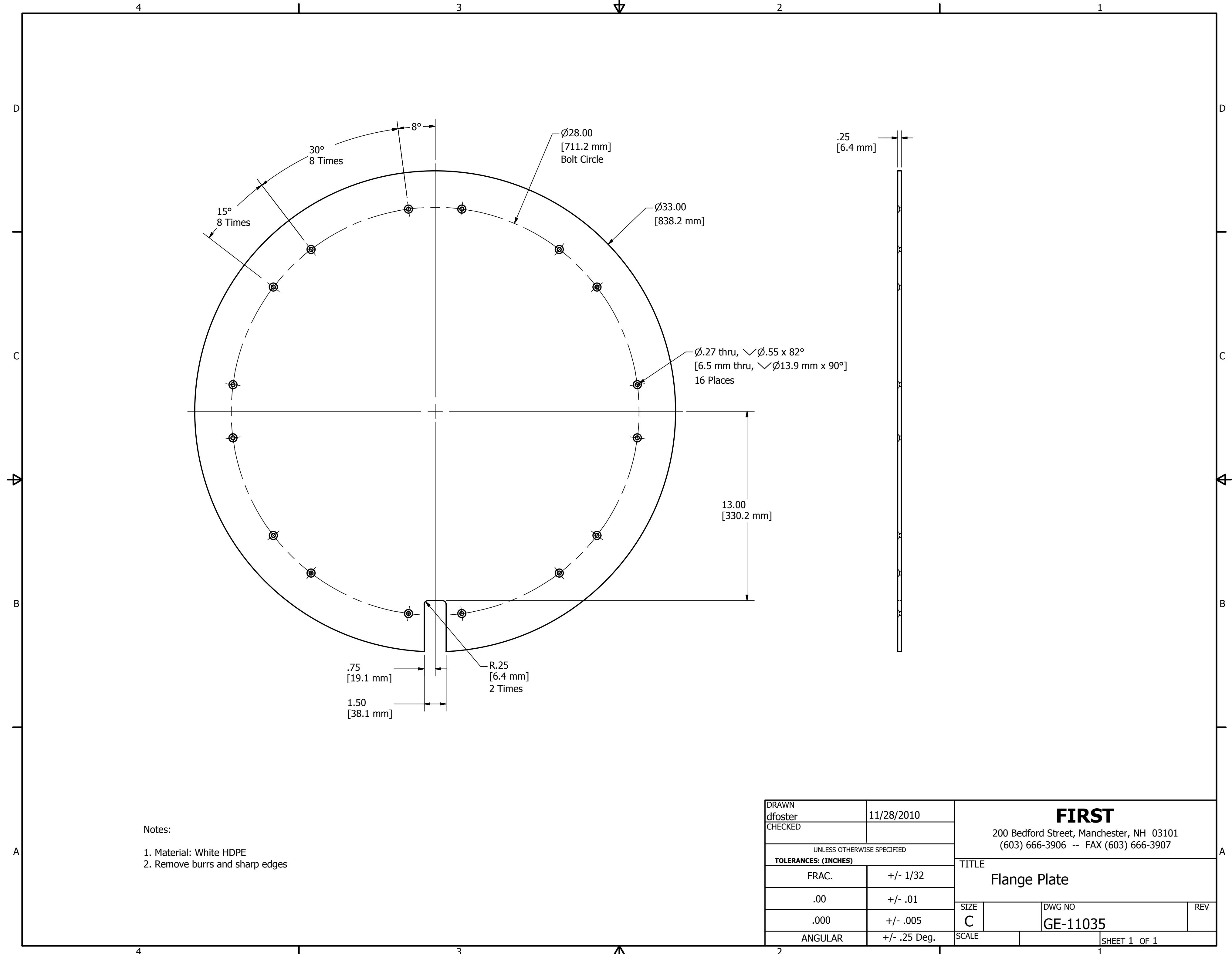
TITLE Lane Divider Assembly

SHEET 1 OF 1









4

I

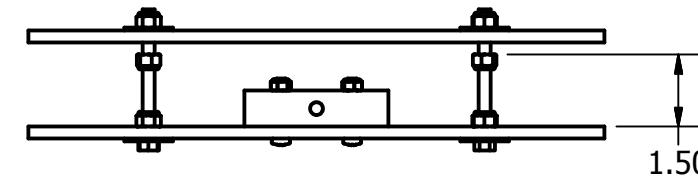
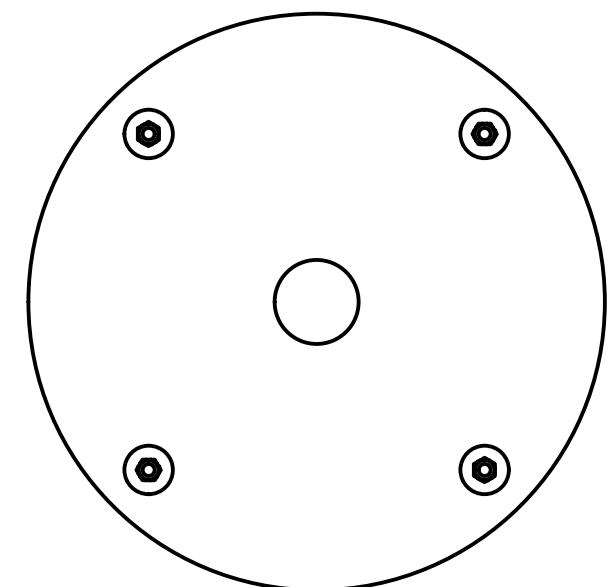
3

2

1

B

B



4

4

2

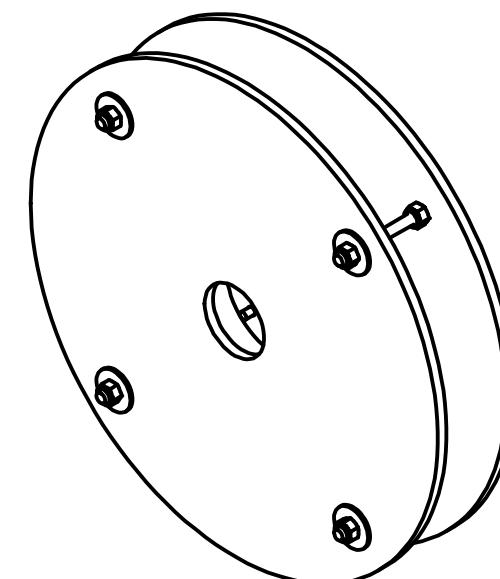
2

I

I

1

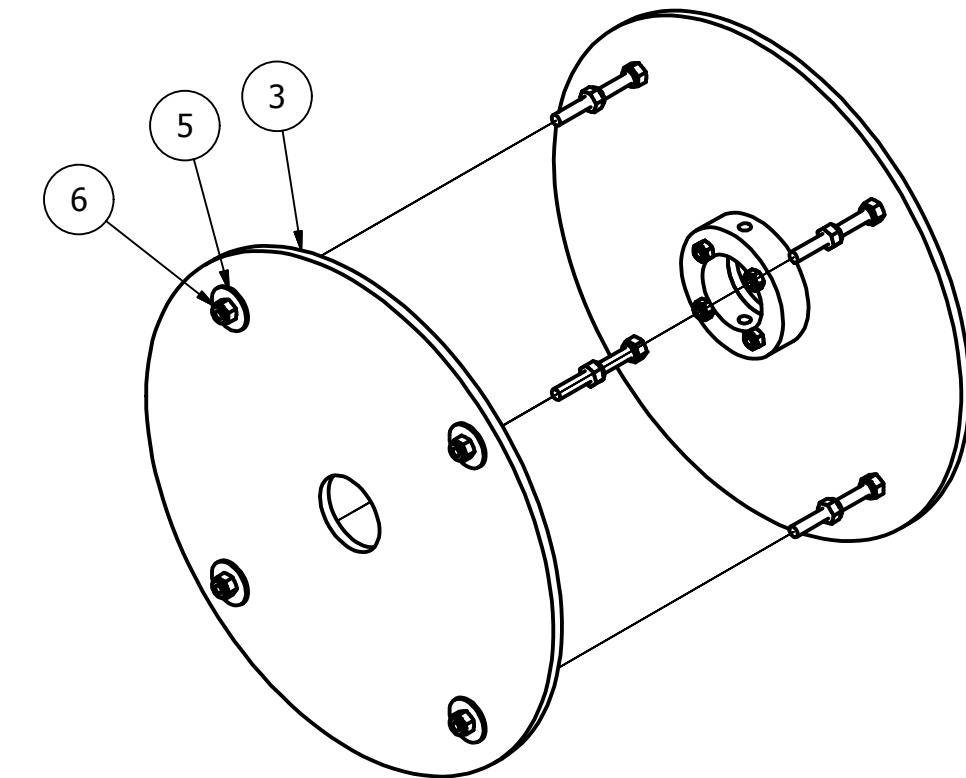
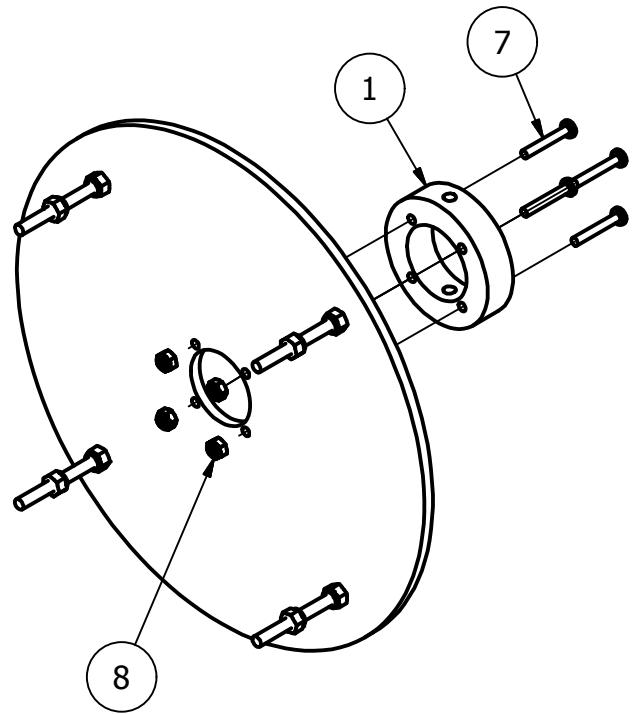
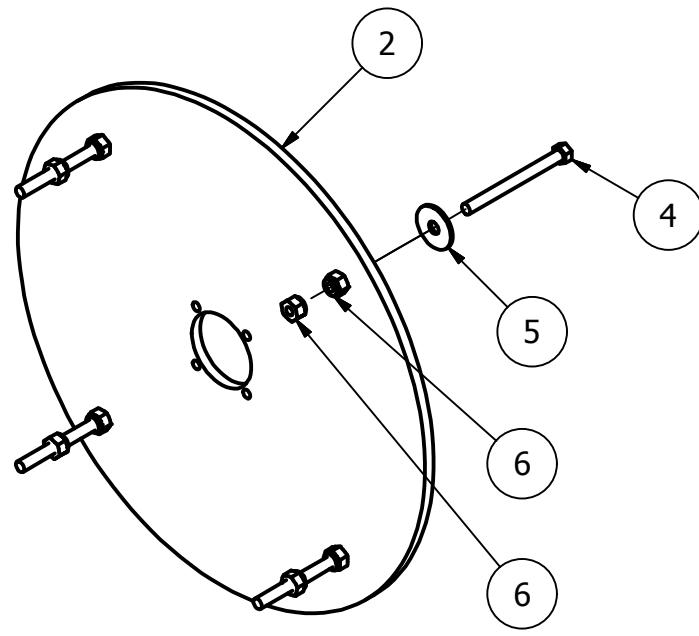
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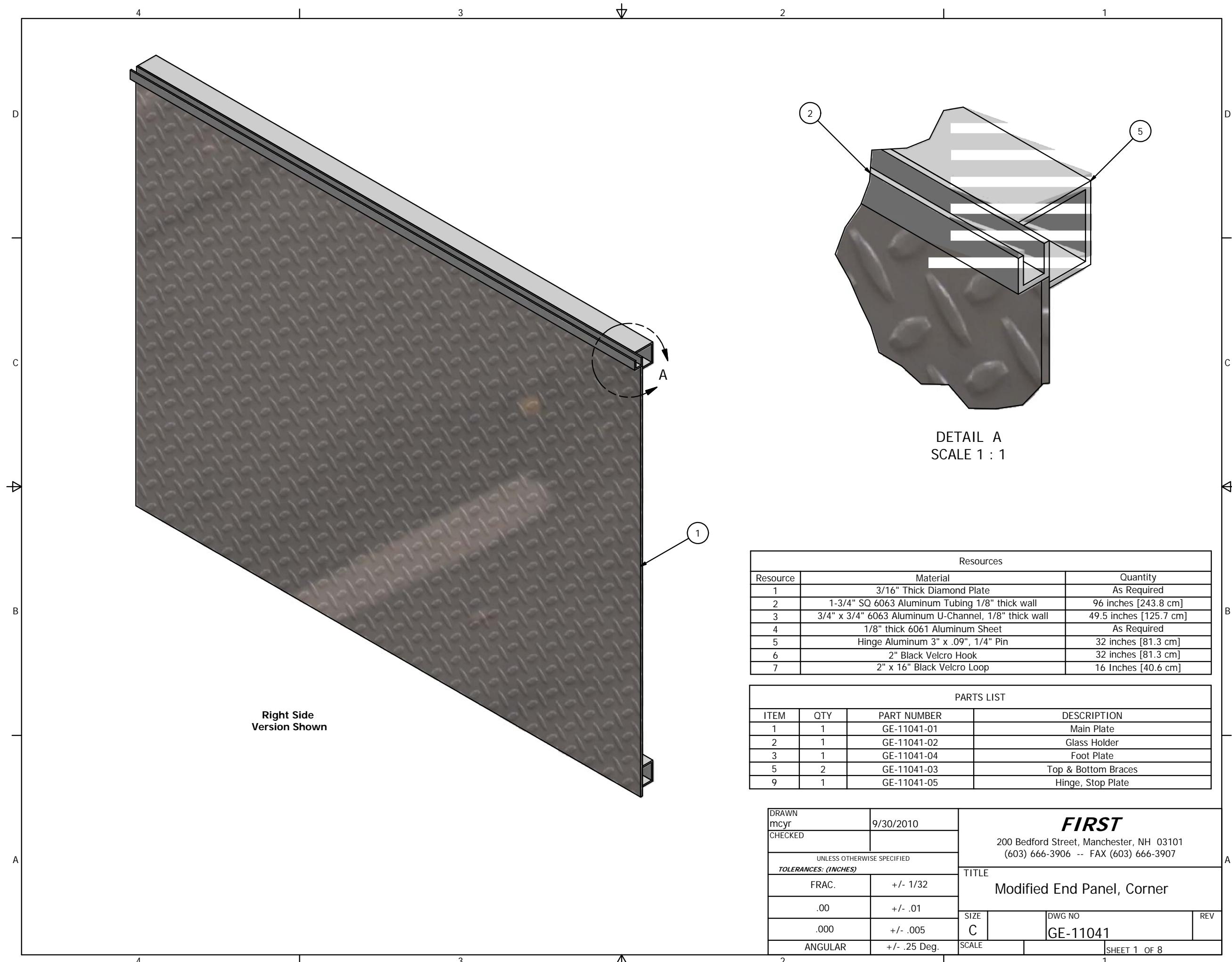
PARTS LIST

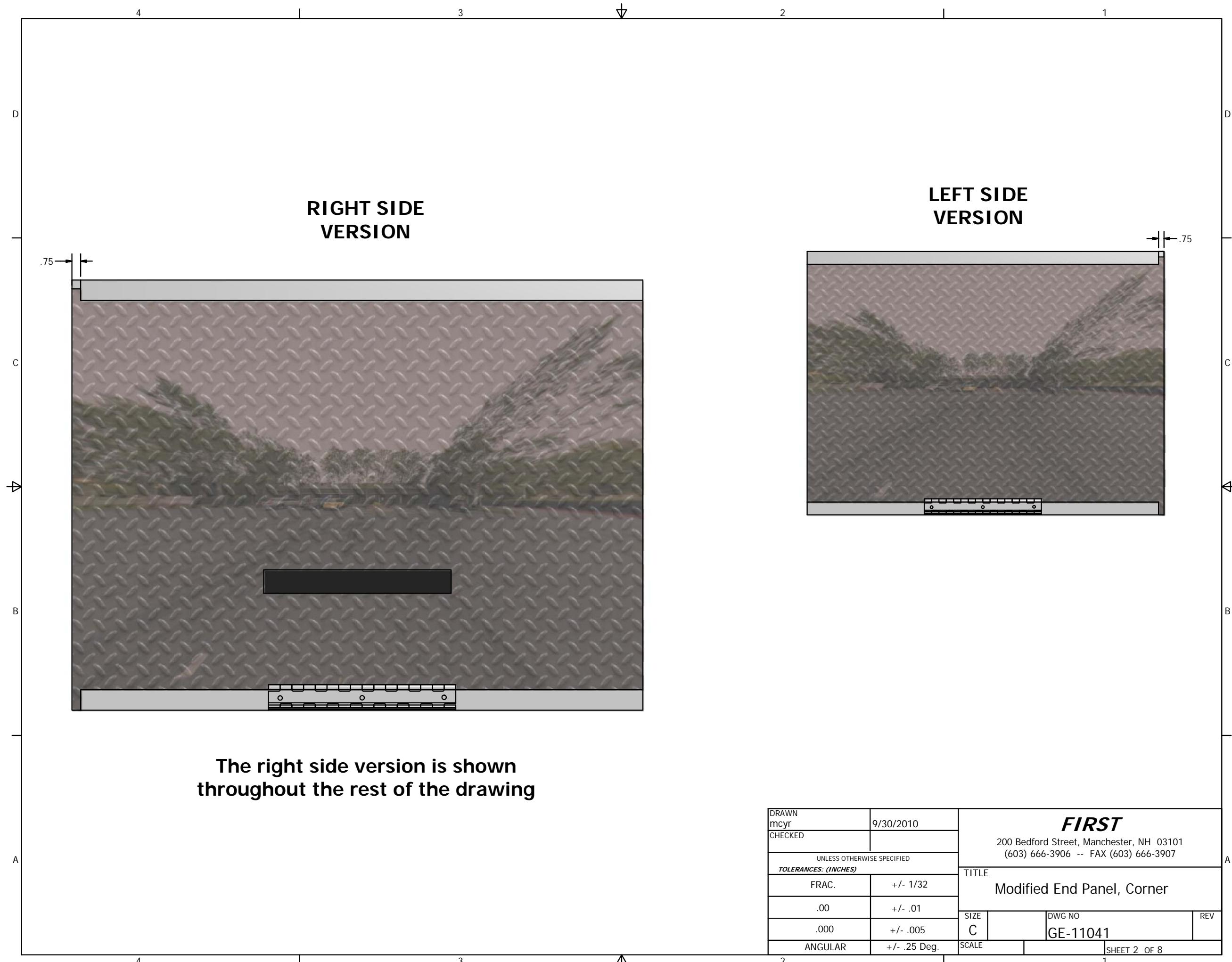
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	GE-11062	Collar
2	1	GE-11063	Top Plate
3	1	GE-11064	Bottom Plate
4	4	HW-00059	HHCS 1/4-20 x 2.75" Fully Threaded
5	8	HW-00021	Washer, Fender 1/4" Zinc Plate
6	12	HW-00002	Nut, Lock 1/4-20
7	4	HW-00060	Phillips Pan Head 10-32 x 1-1/4"
8	4	HW-00061	Nut, Nylock 10-32

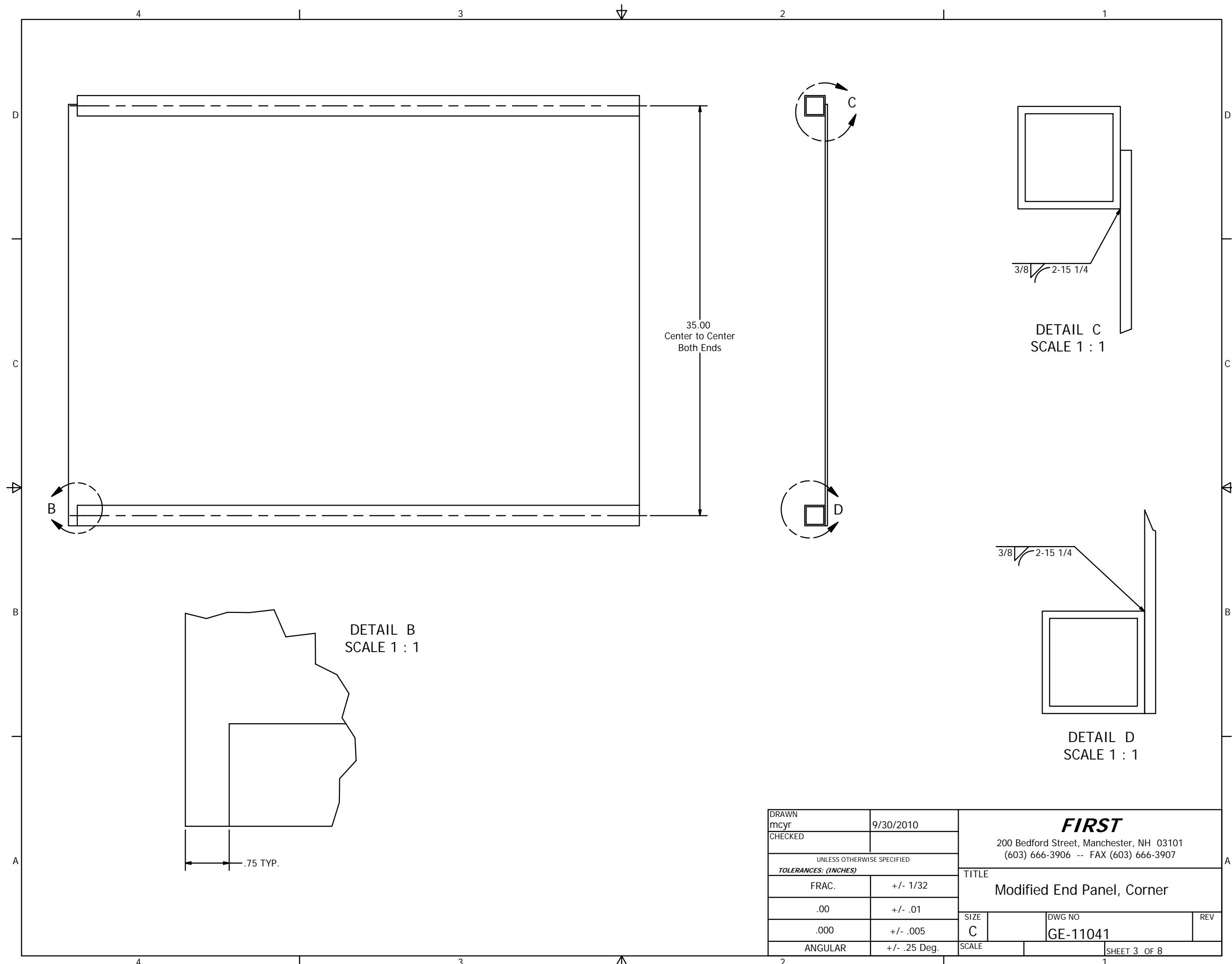
DRAWN dfoster	12/28/2010	FIRST 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
CHECKED				
UNLESS OTHERWISE SPECIFIED				
TOLERANCES: (INCHES)				
FRAC.	+/- 1/32	TITLE Sensor Plate Assembly		
.00	+/- .01			
.000	+/- .005			
ANGULAR	+/- .25 Deg.	SIZE B	DWG NO GE-11036	REV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

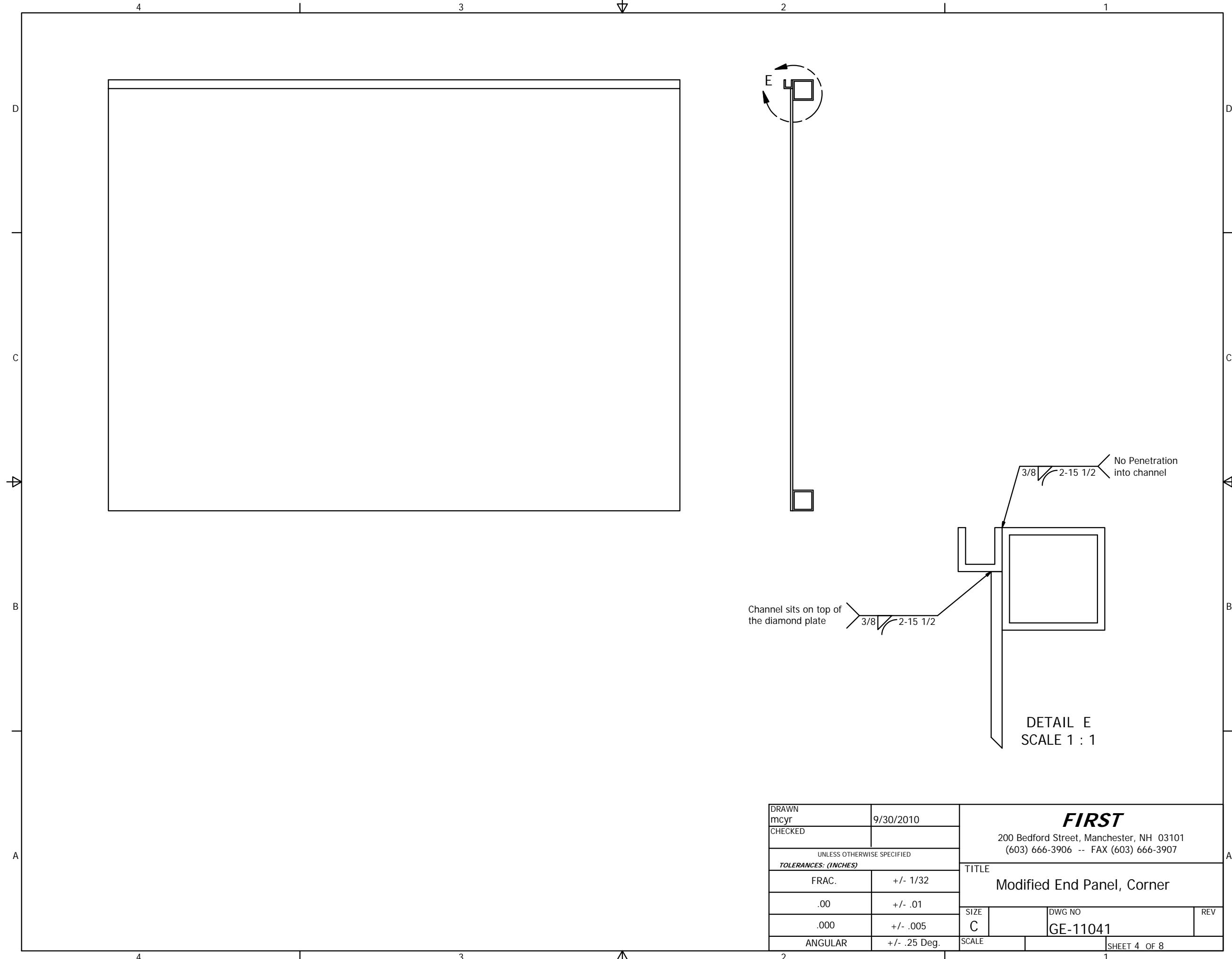


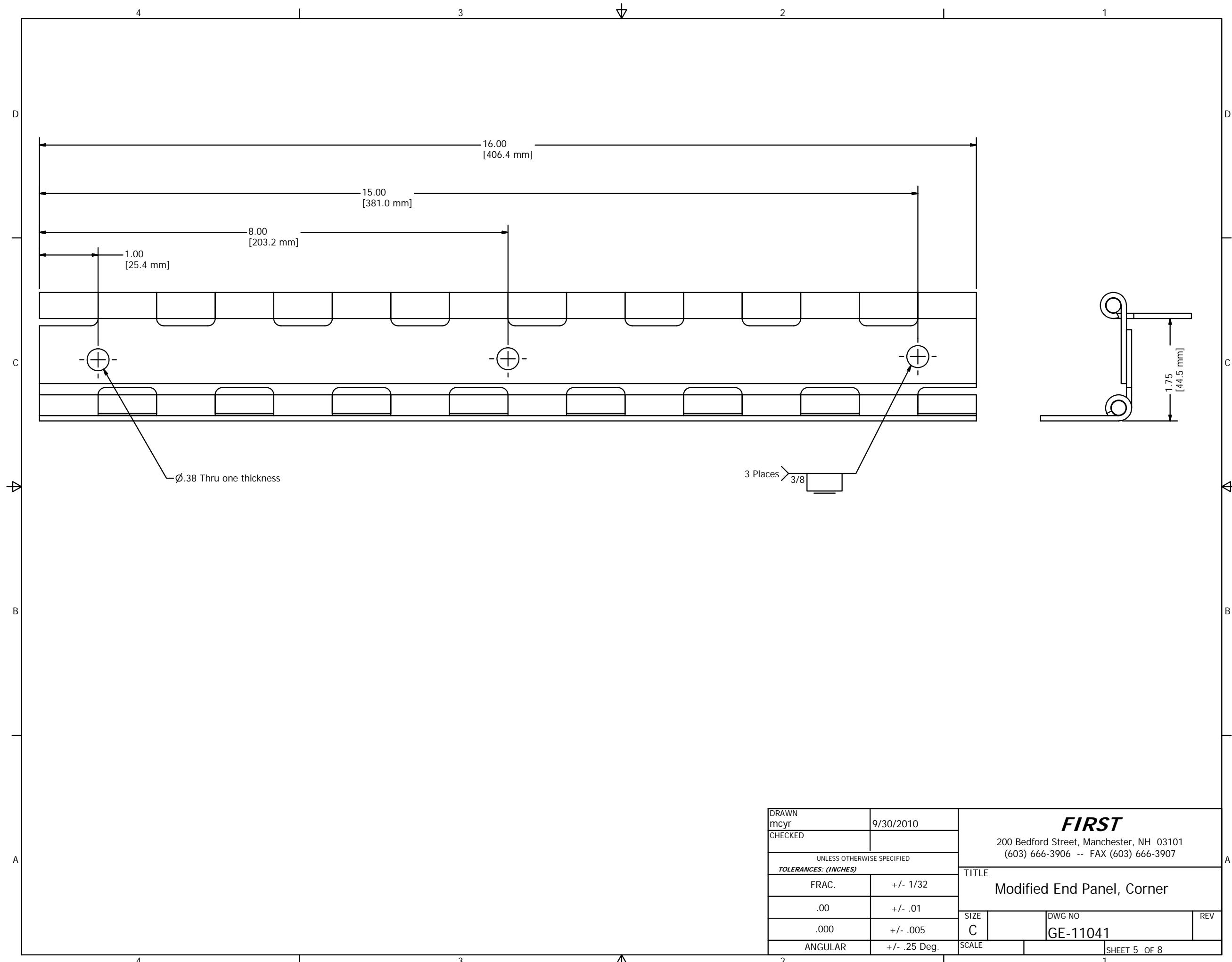
DRAWN dfoster	12/28/2010	FIRST				
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907				
UNLESS OTHERWISE SPECIFIED						
TOLERANCES: (INCHES)		TITLE				
FRAC.	+/- 1/32	Sensor Plate Assembly				
.00	+/- .01	SIZE				
.000	+/- .005	B	DWG NO			
ANGULAR	+/- .25 Deg.	GE-11036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



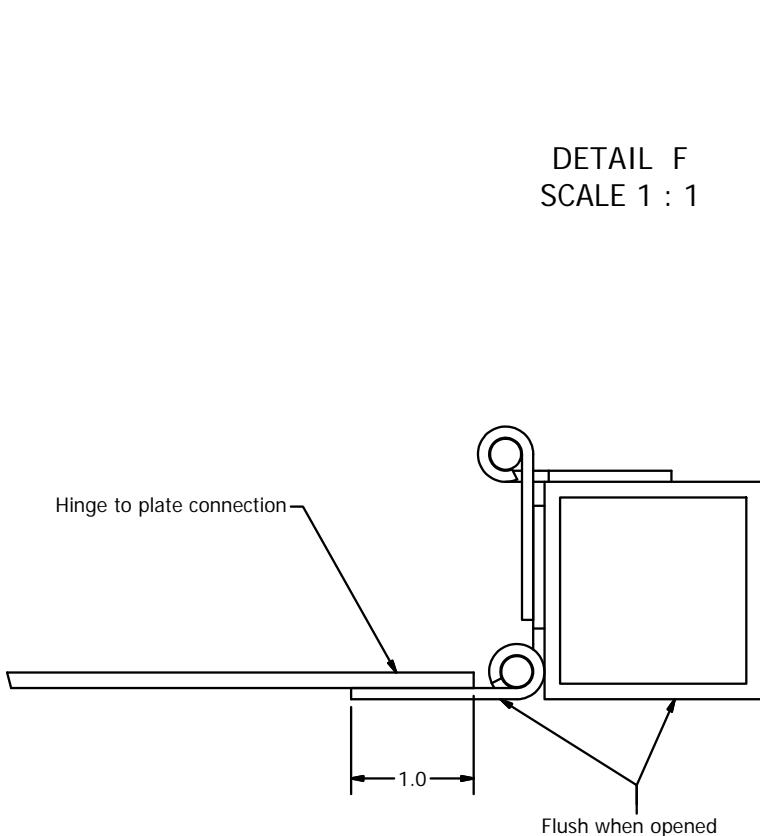




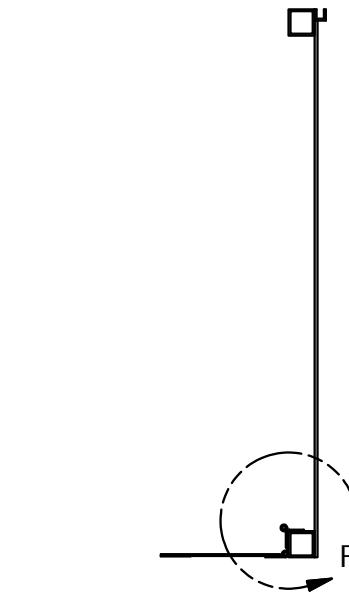




D
C
B
A



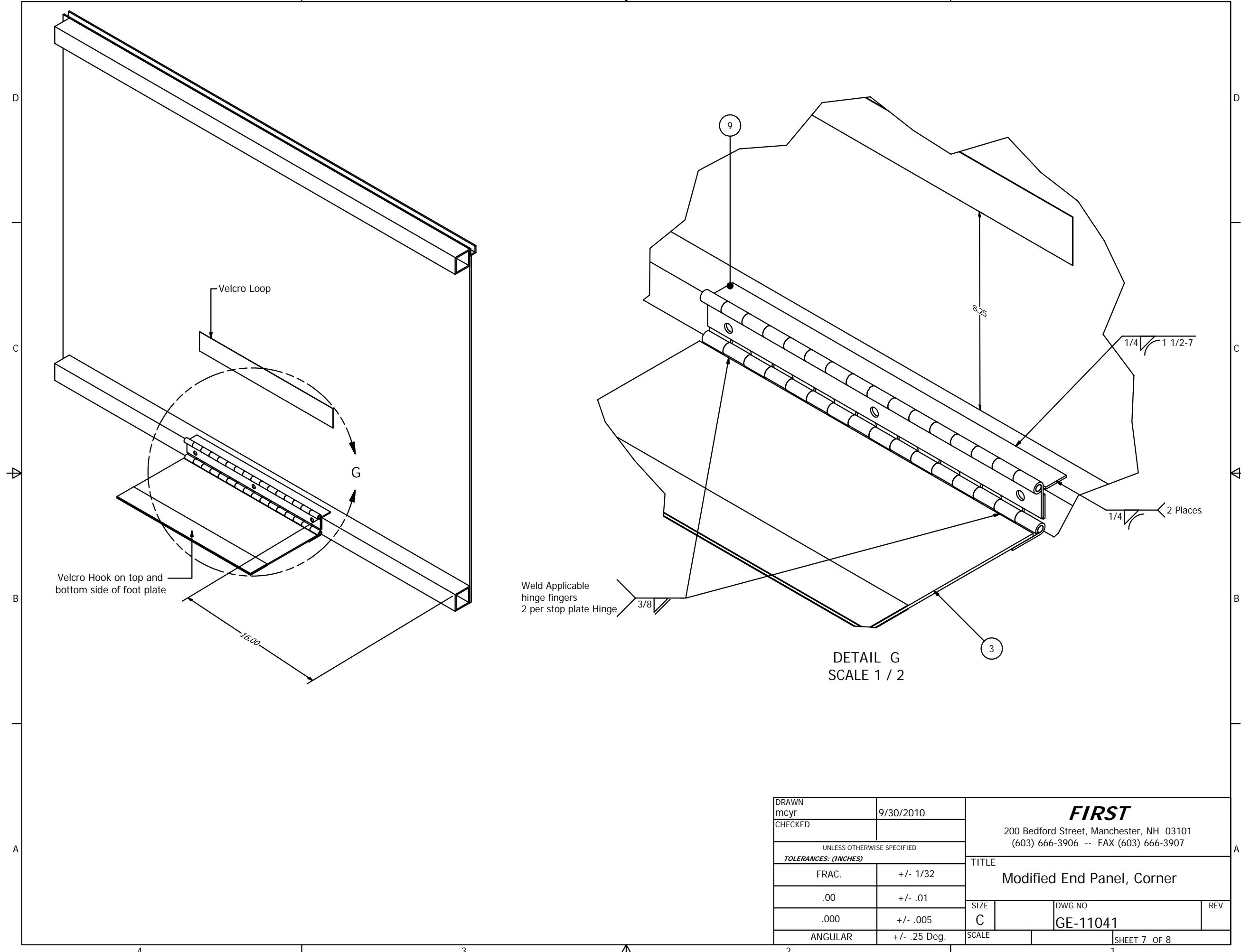
DETAIL F
SCALE 1 : 1

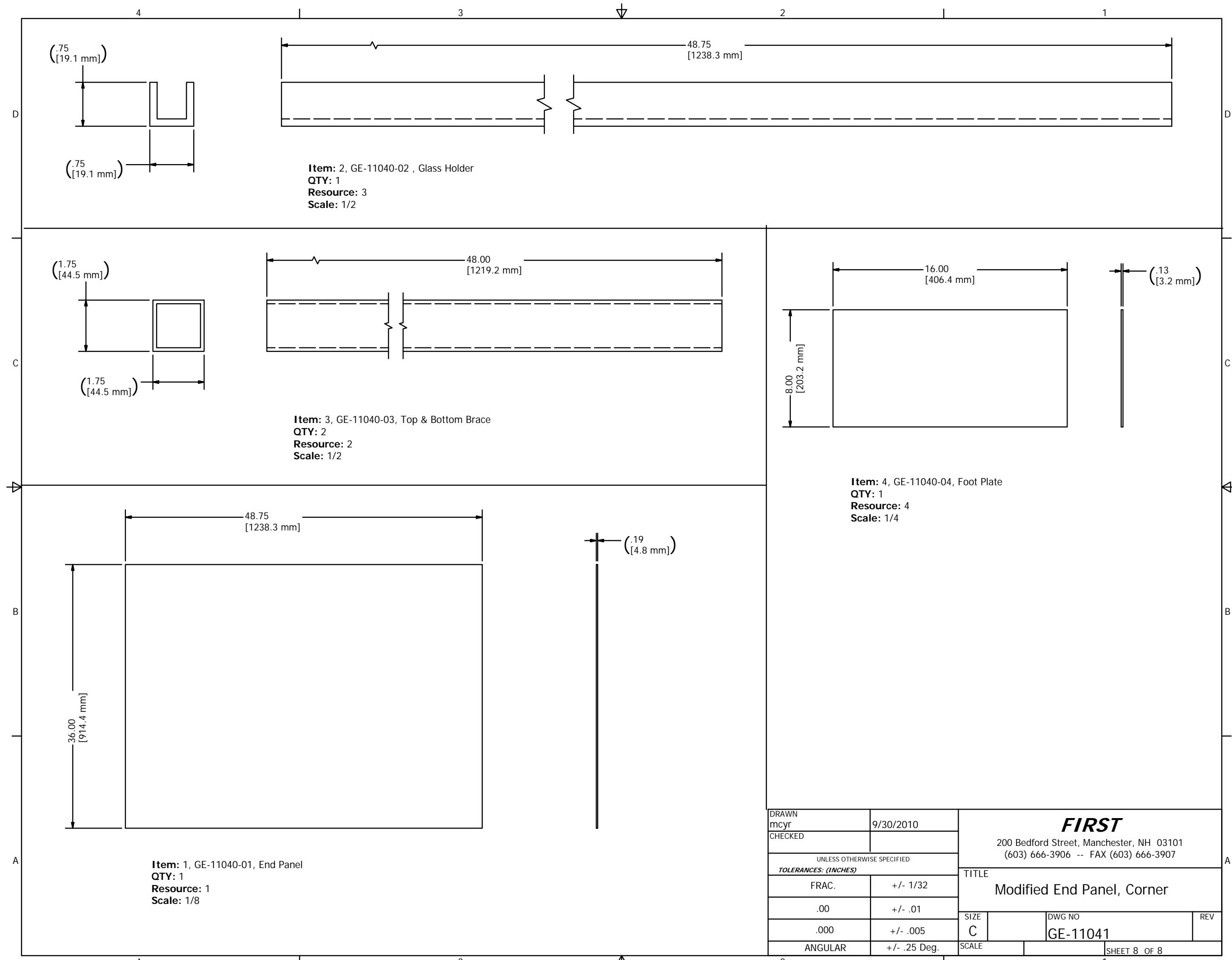


4
3
2
1

4

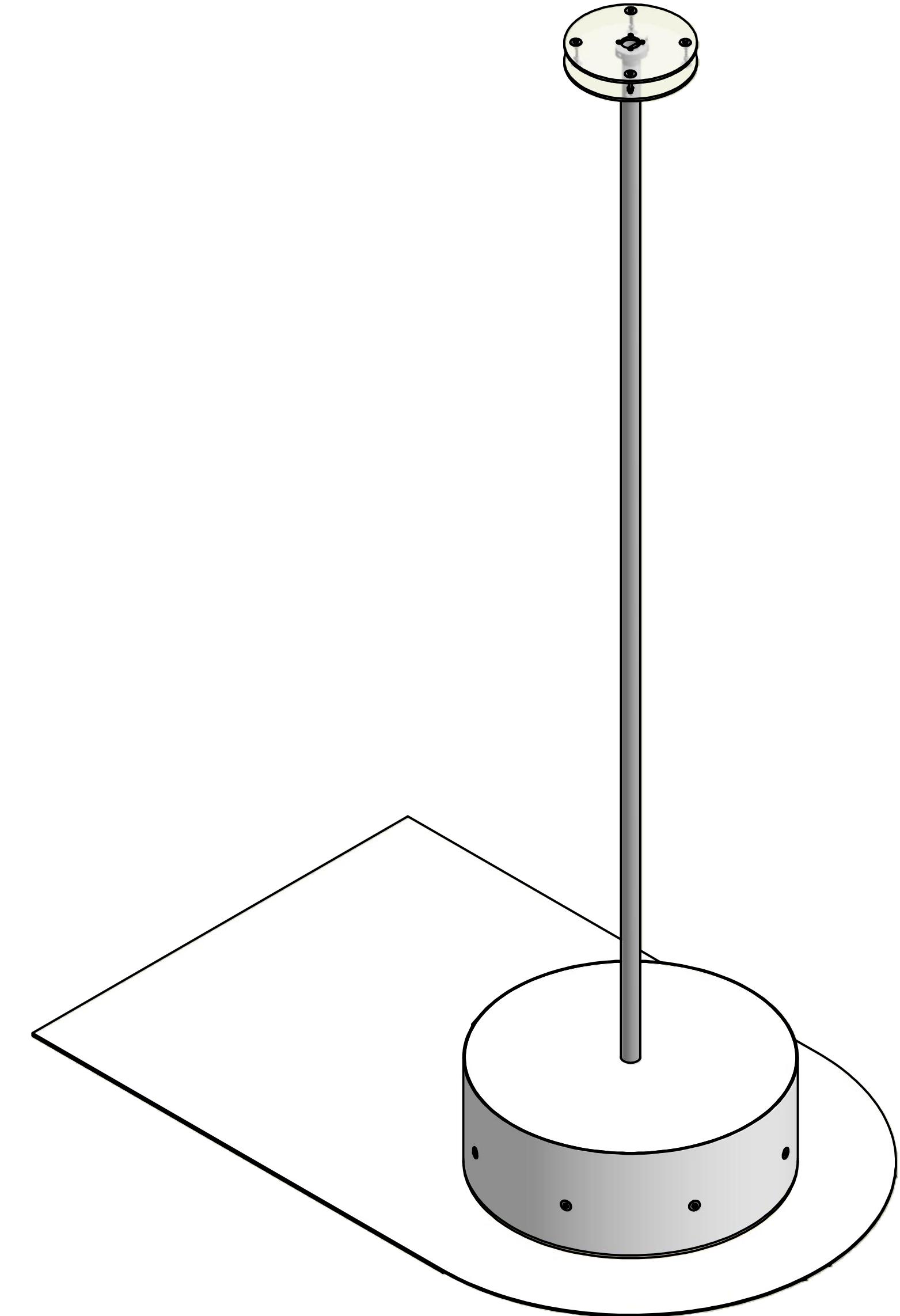
DRAWN mcyr	9/30/2010	FIRST	
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907	
UNLESS OTHERWISE SPECIFIED TOLERANCES: (INCHES)			
FRAC.	+/- 1/32	TITLE	Modified End Panel, Corner
.00	+/- .01	SIZE	DWG NO
.000	+/- .005	C	GE-11041
ANGULAR	+/- .25 Deg.	REV	
		SCALE	SHEET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





4 | 3 | 2 | 1

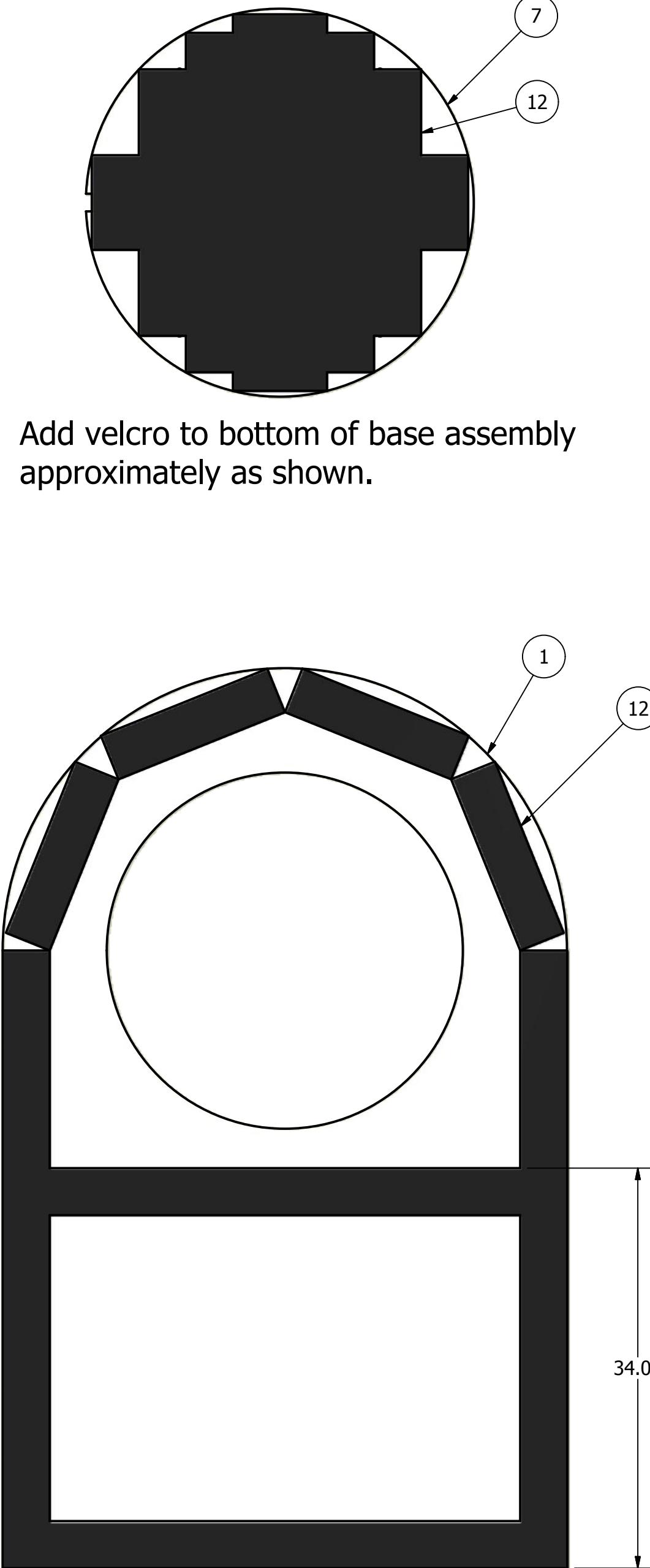
D | D
C | C
B | B
A | A



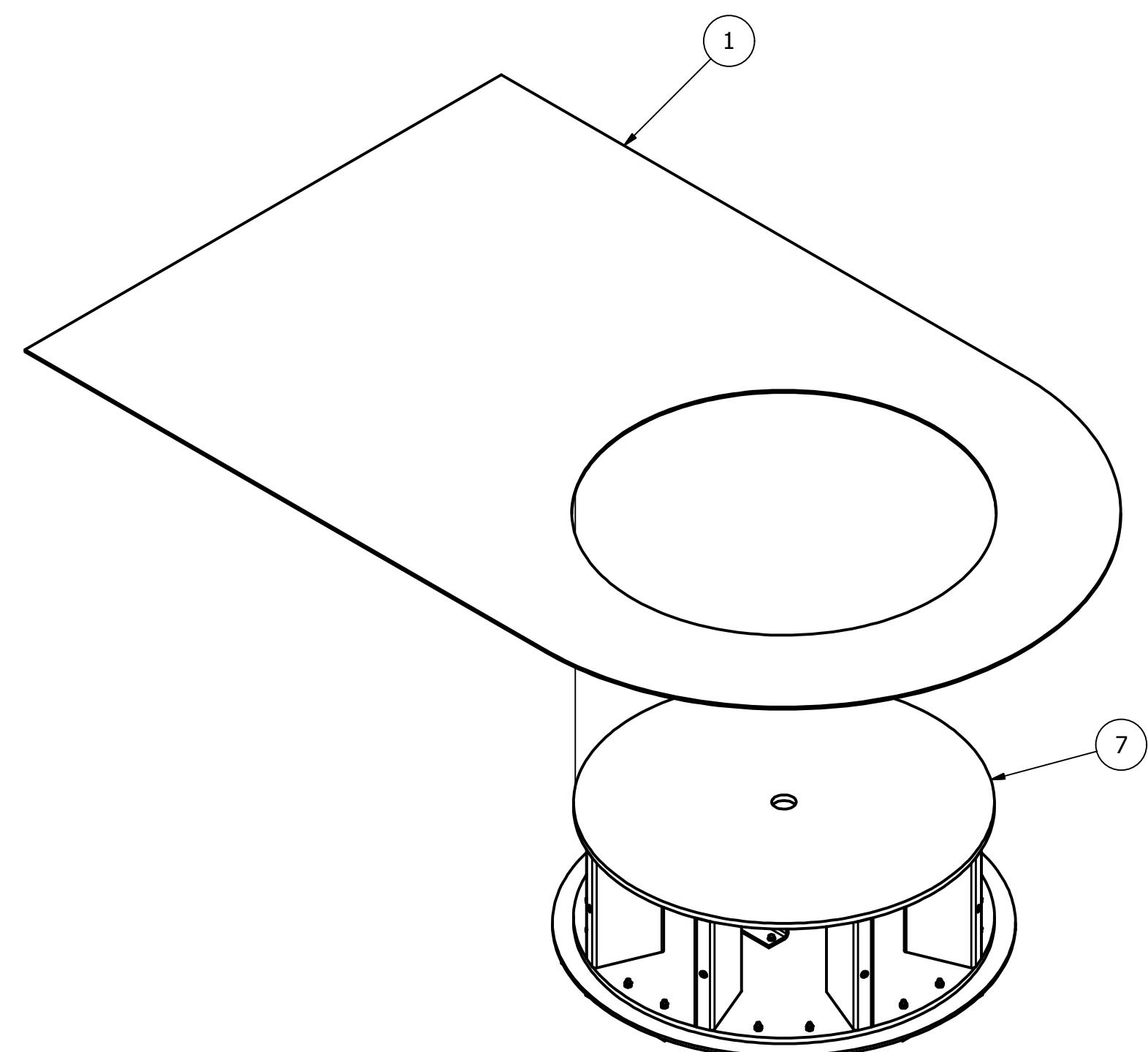
PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	GE-11026	Floor Protector
2	1	GE-11061	Pole
3	1	GE-11036	Sensor Plate Assembly
4	1	GE-11057	Base Top Plastic
5	1	GE-11056	Base Foam
6	1	GE-11050	Base Plastic Wrap
7	1	GE-11058	Base Assembly
8	10	HW-00056	BHCS 1/4-20 x 1"
9	10	HW-00021	Washer, Fender 1/4" 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	FIRST 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	FIRST	
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

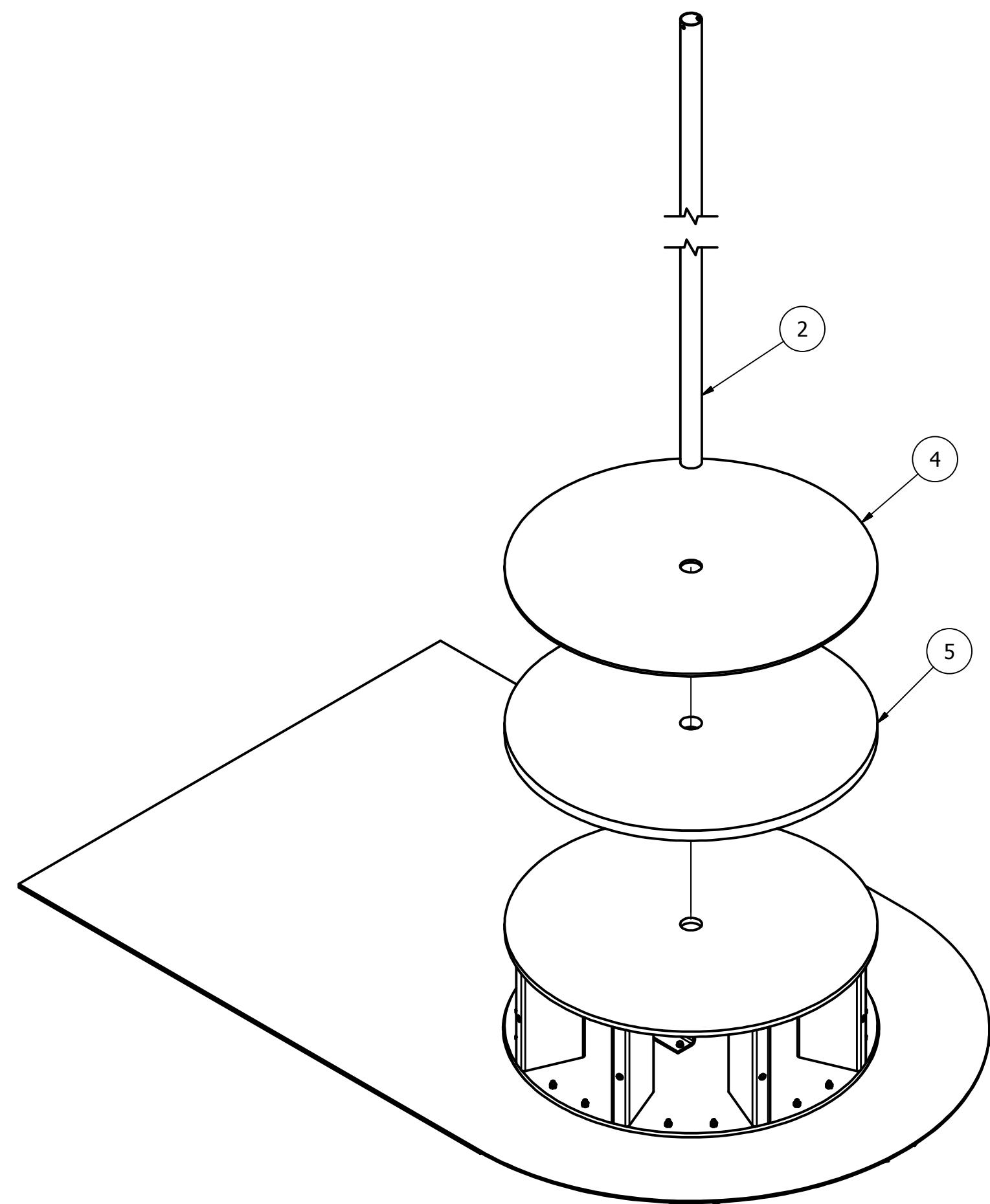
C

B

B

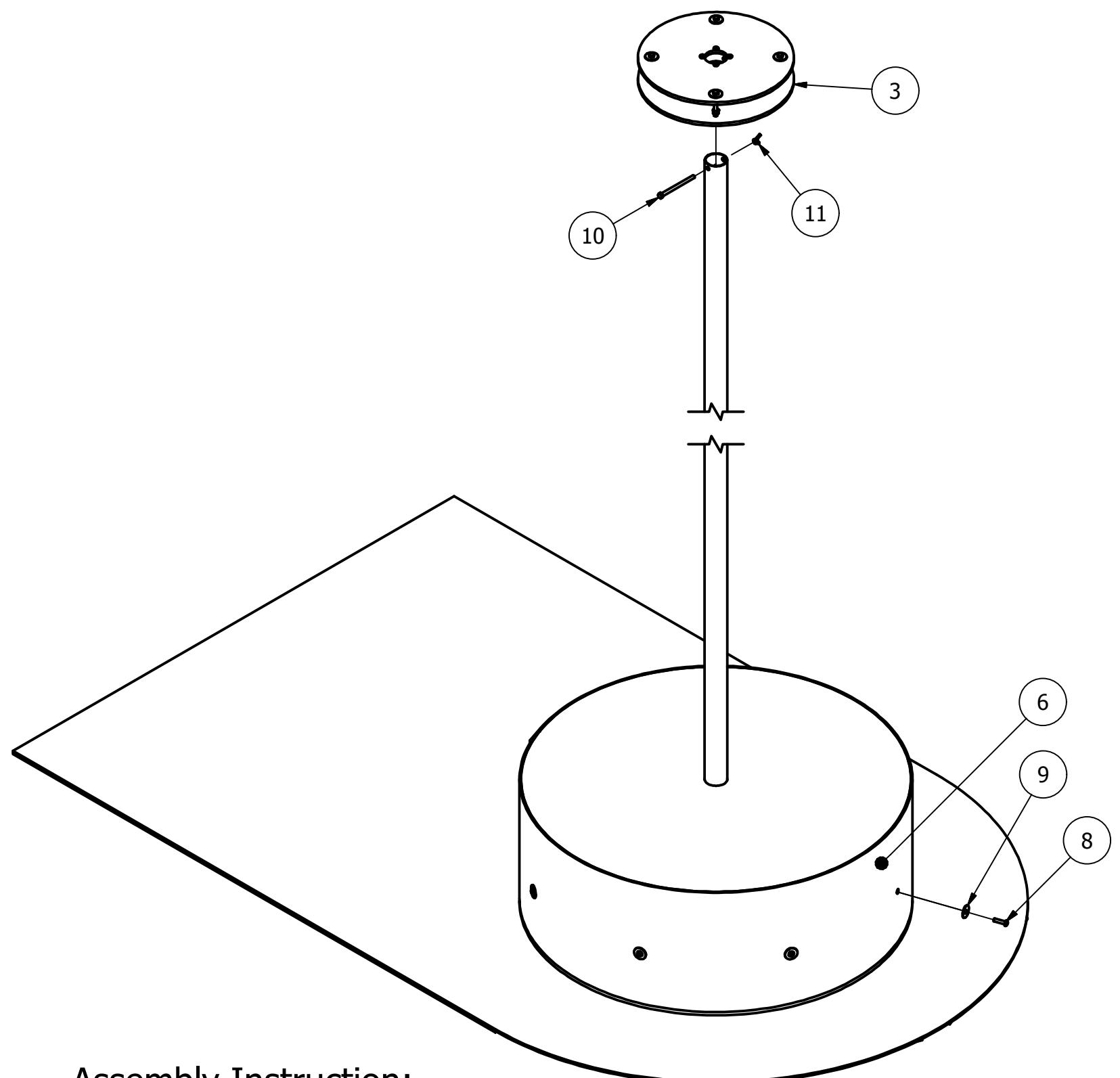
A

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	FIRST 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907	
CHECKED			
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	FIRST 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907					
CHECKED							
UNLESS OTHERWISE SPECIFIED							
TOLERANCES: (INCHES)							
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

3

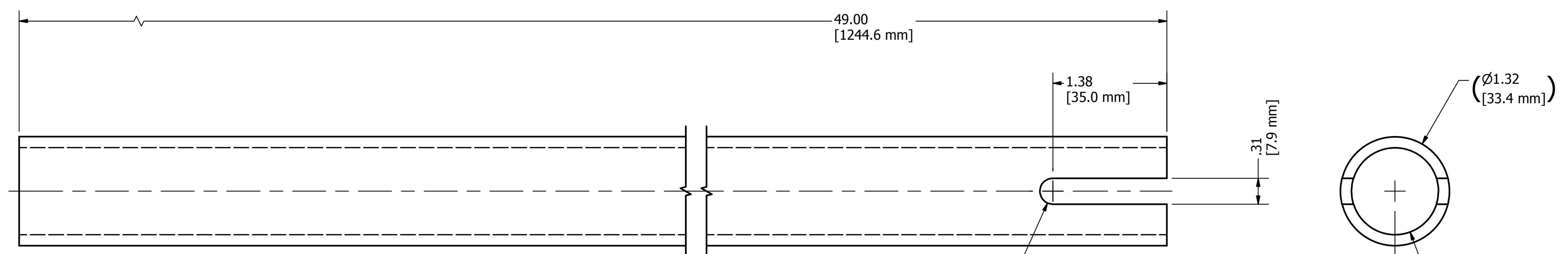
2

1

↑

A

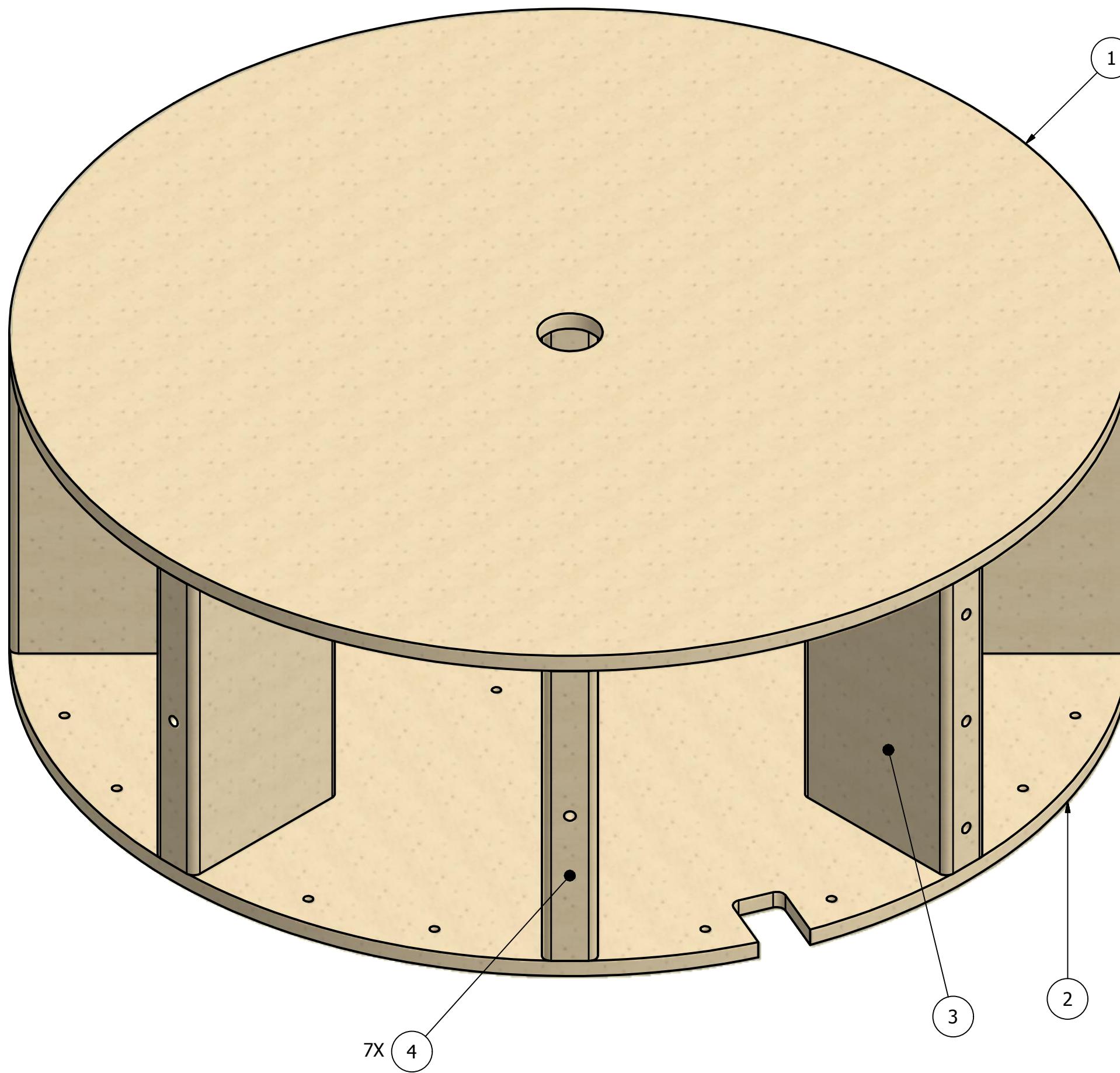
A



NOTE:

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

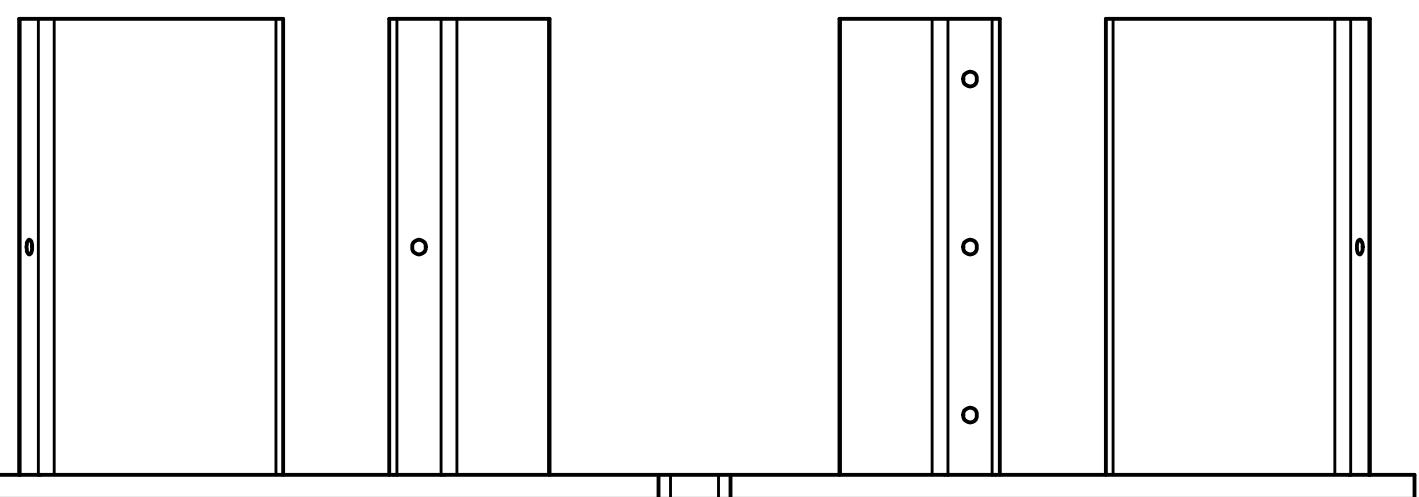
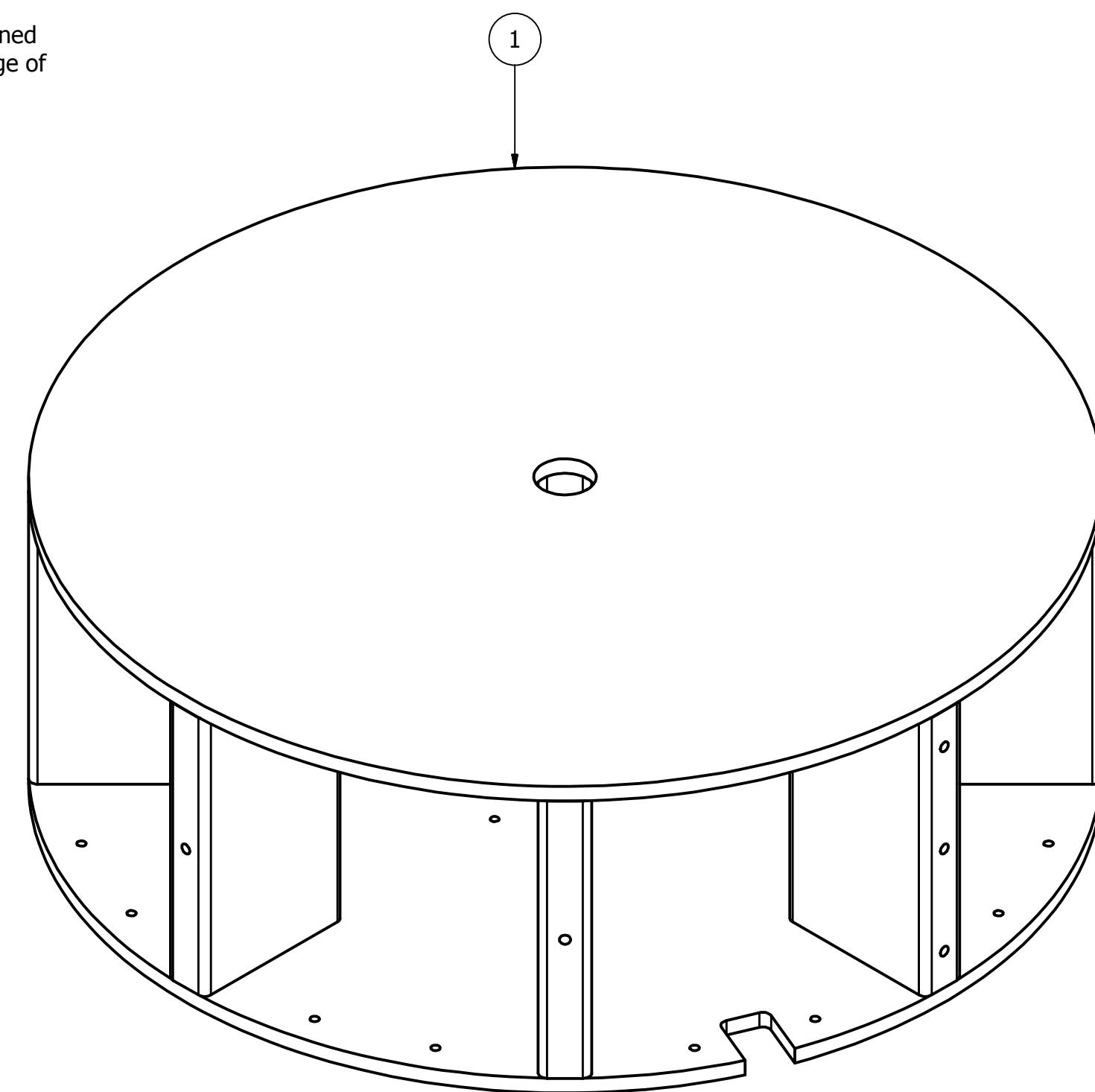
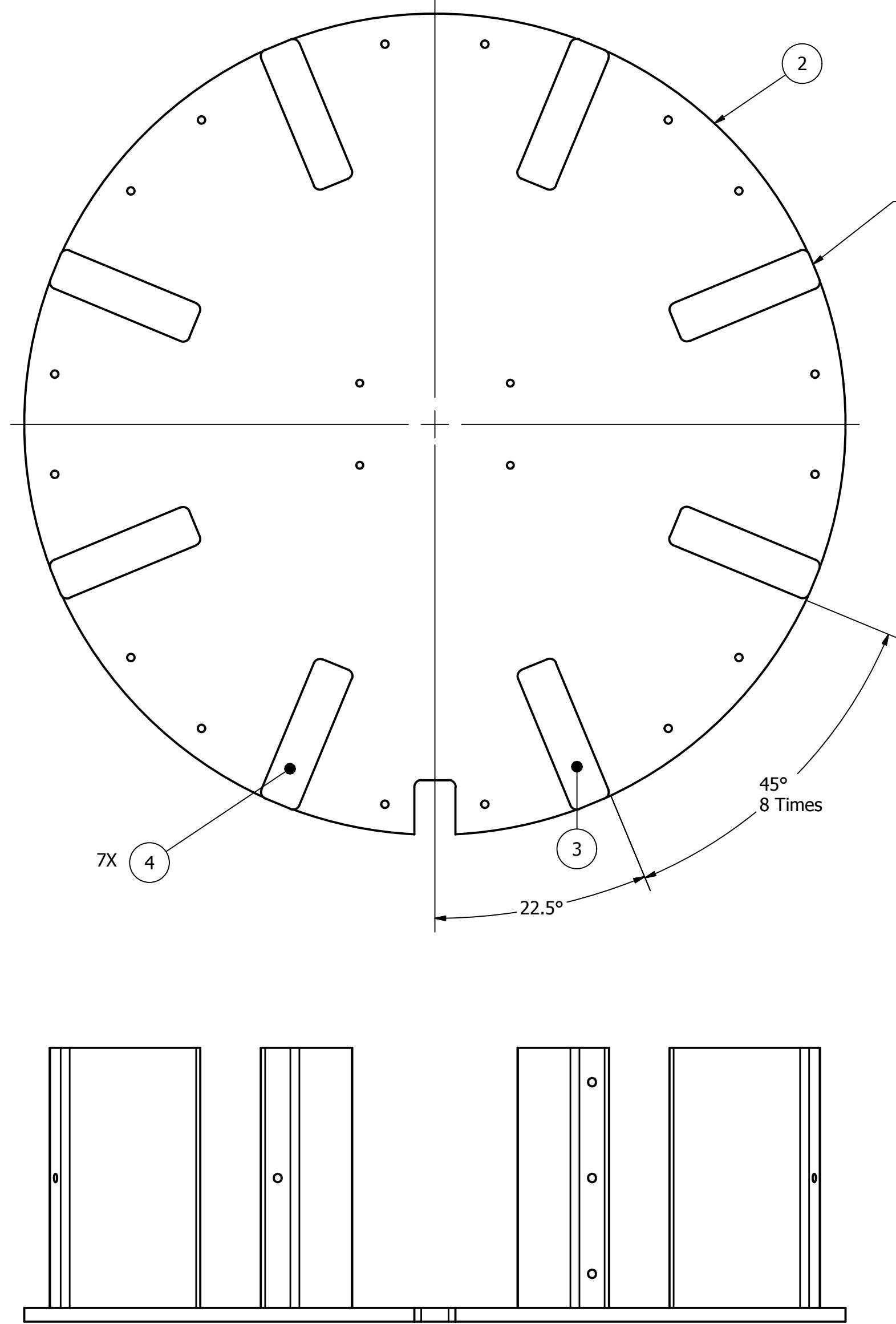
DRAWN mcyr	11/10/2010	FIRST 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907					
CHECKED							
UNLESS OTHERWISE SPECIFIED							
TOLERANCES: (INCHES)							
FRAC.	+/- 1/32						
.00	+/- .01						
.000	+/- .005						
ANGULAR	+/- .25 Deg.	SCALE	DWG NO	REV			
			GE-11051				
				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	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-11052	
	REV		
		SHEET 1 OF 4	



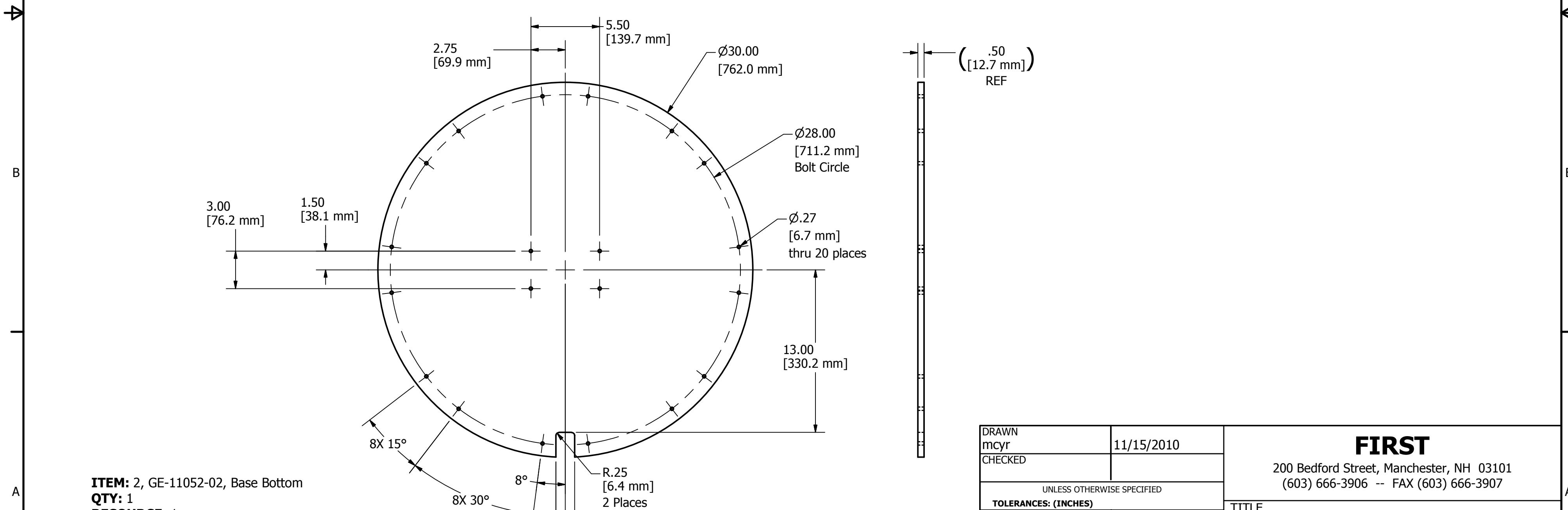
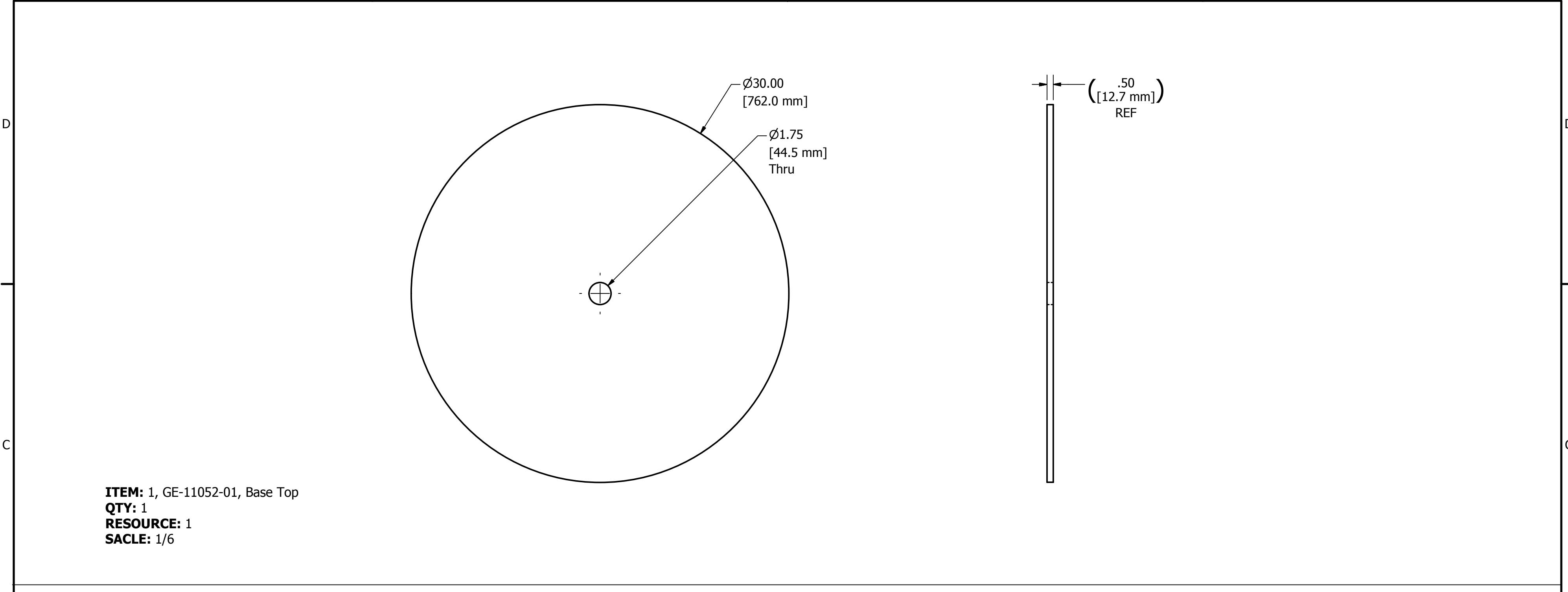
Assembly Notes:

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

Assembly Notes:

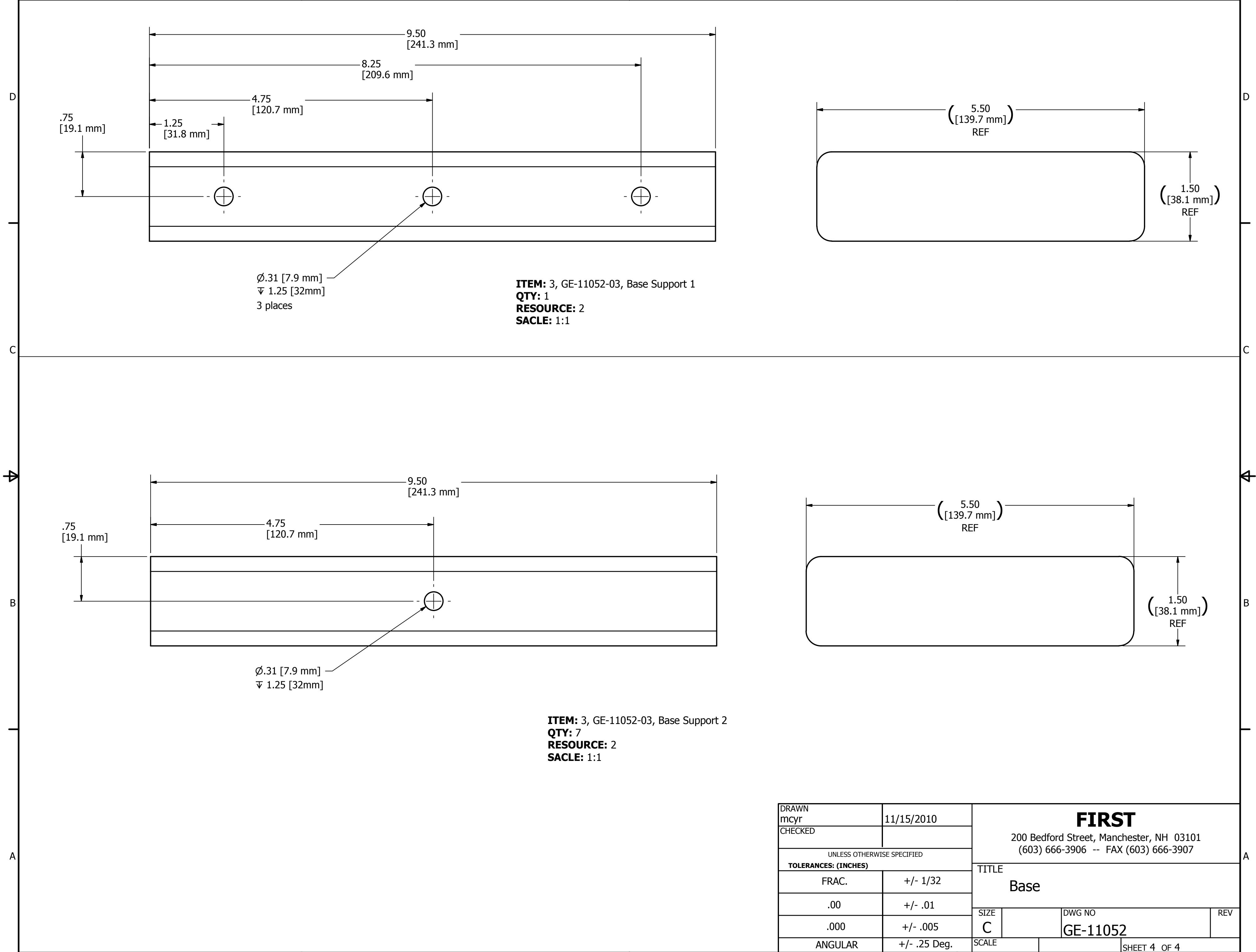
- 1.) Use wood glue and screws to attach top (Item 1)

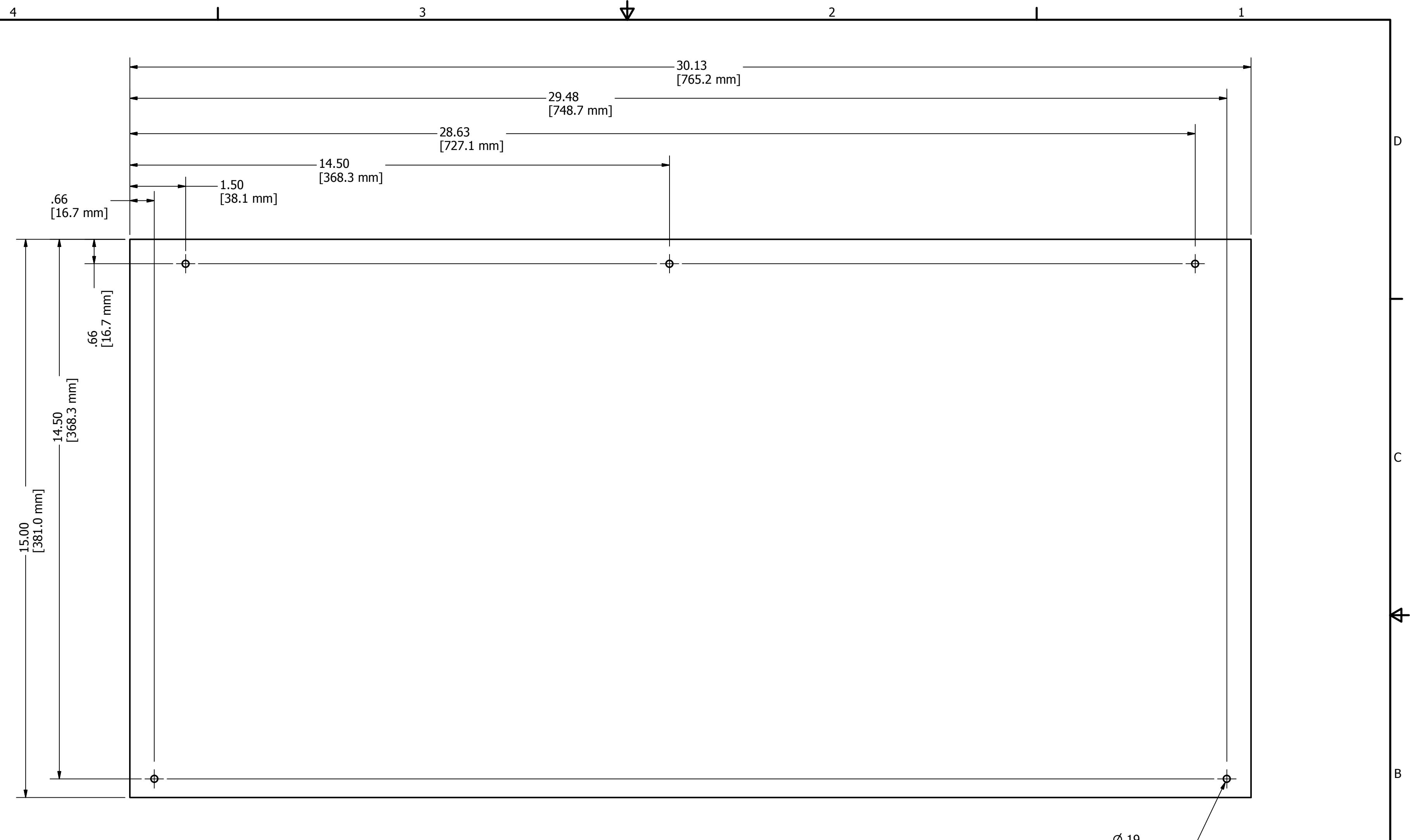
DRAWN mcyr	11/15/2010	FIRST		
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
UNLESS OTHERWISE SPECIFIED				
TOLERANCES: (INCHES)		TITLE		
FRAC.	+/- 1/32	Base		
.00	+/- .01	SIZE	DWG NO	REV
.000	+/- .005	C	GE-11052	
ANGULAR	+/- .25 Deg.	SCALE		SHEET 2 OF 4



DRAWN mcyr	11/15/2010	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	GE-11052
ANGULAR	+/- .25 Deg.	SCALE	
			REV

4 3 2 1

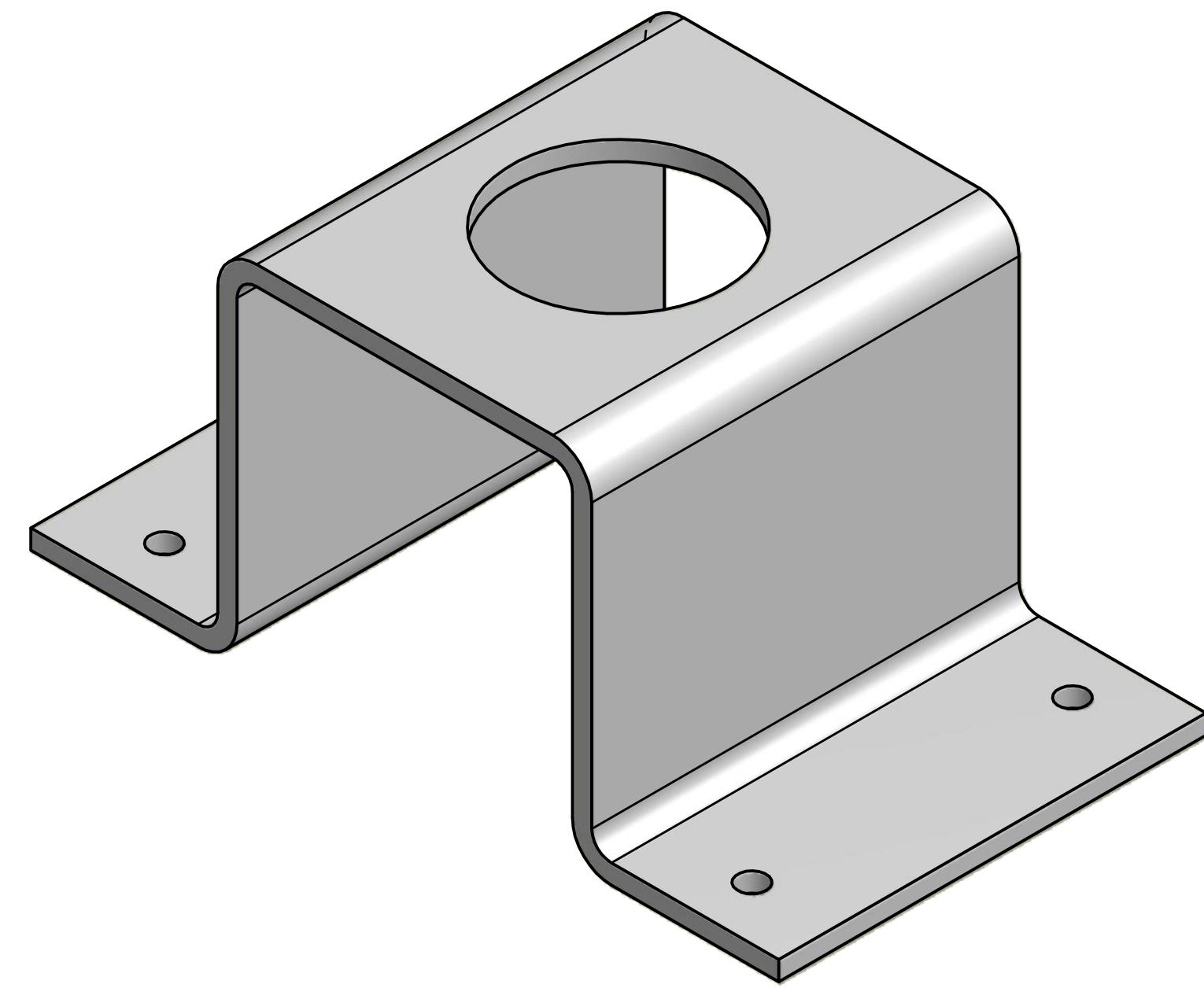
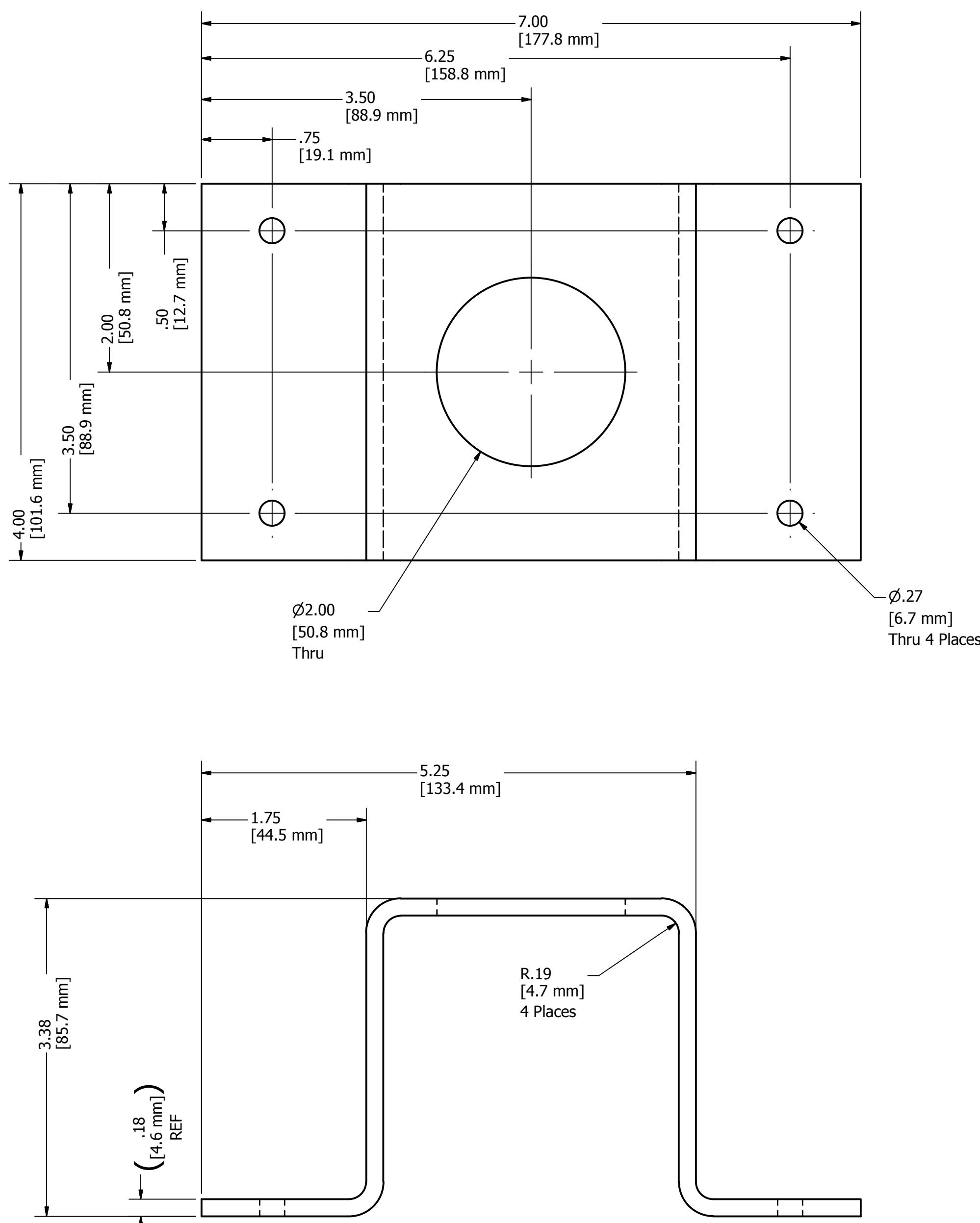




NOTE:

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

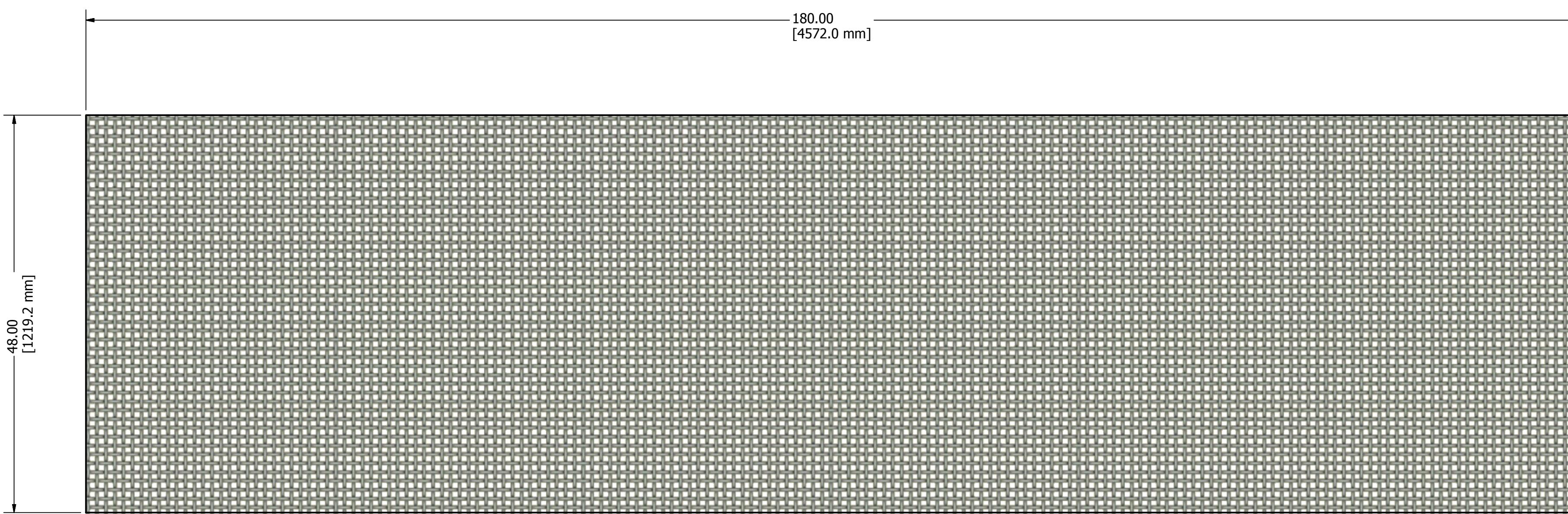
DRAWN mcyr	11/11/2010	FIRST		
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
UNLESS OTHERWISE SPECIFIED				
TOLERANCES: (INCHES)		TITLE		
FRAC.	+/- 1/32	Guard Plastic		
.00	+/- .01	SIZE		
.000	+/- .005	DWG NO		
ANGULAR	+/- .25 Deg.	GE-11053		
		REV		
		SCALE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



NOTE:

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

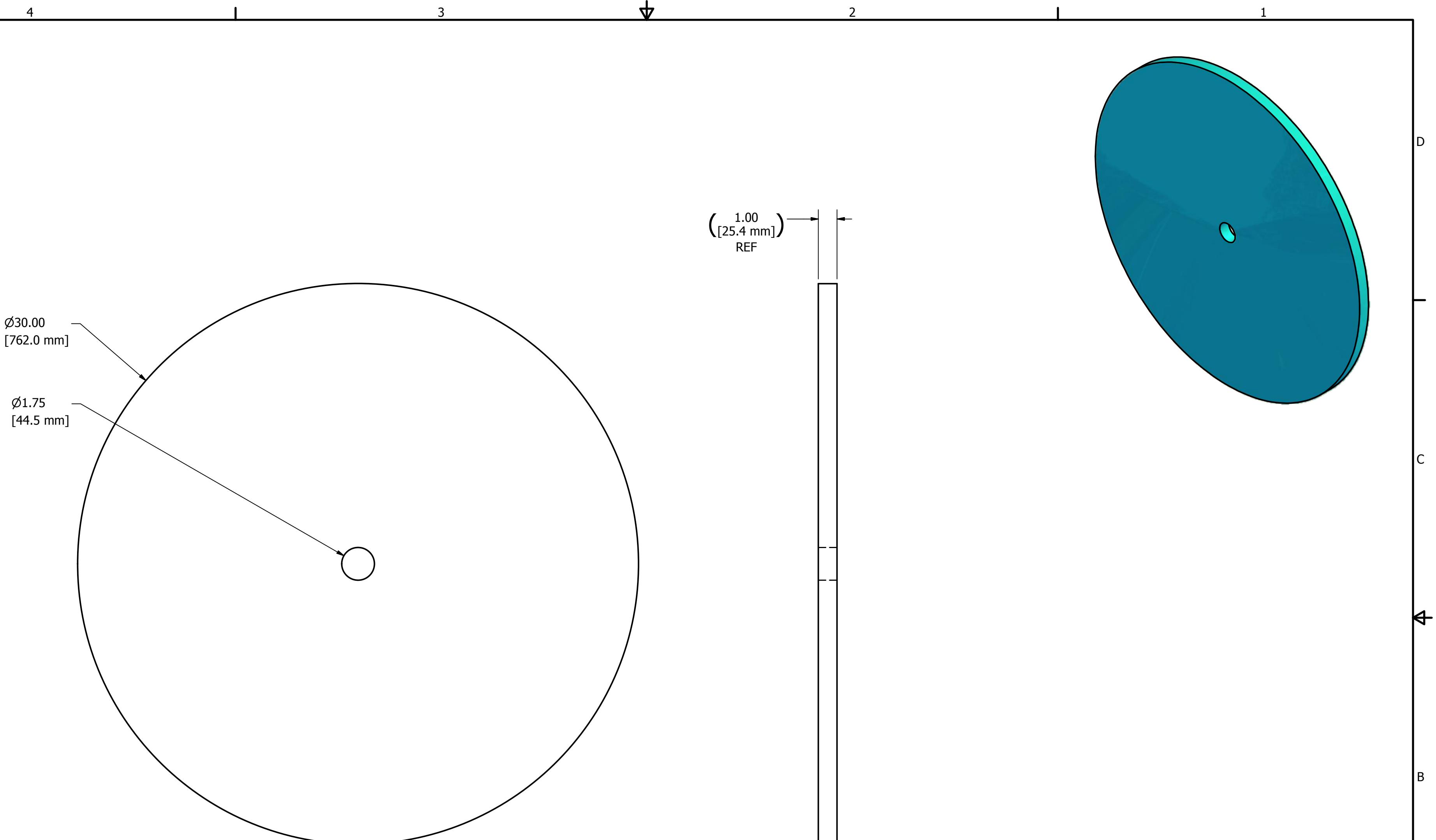
DRAWN mcyr	11/15/2010	FIRST 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
CHECKED				
UNLESS OTHERWISE SPECIFIED				
TOLERANCES: (INCHES)		TITLE Bracket		
FRAC.	+/- 1/32			
.00	+/- .01			
.000	+/- .005	SIZE C	DWG NO GE-11054	REV
ANGULAR	+/- .25 Deg.			
			SHEET 1 OF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

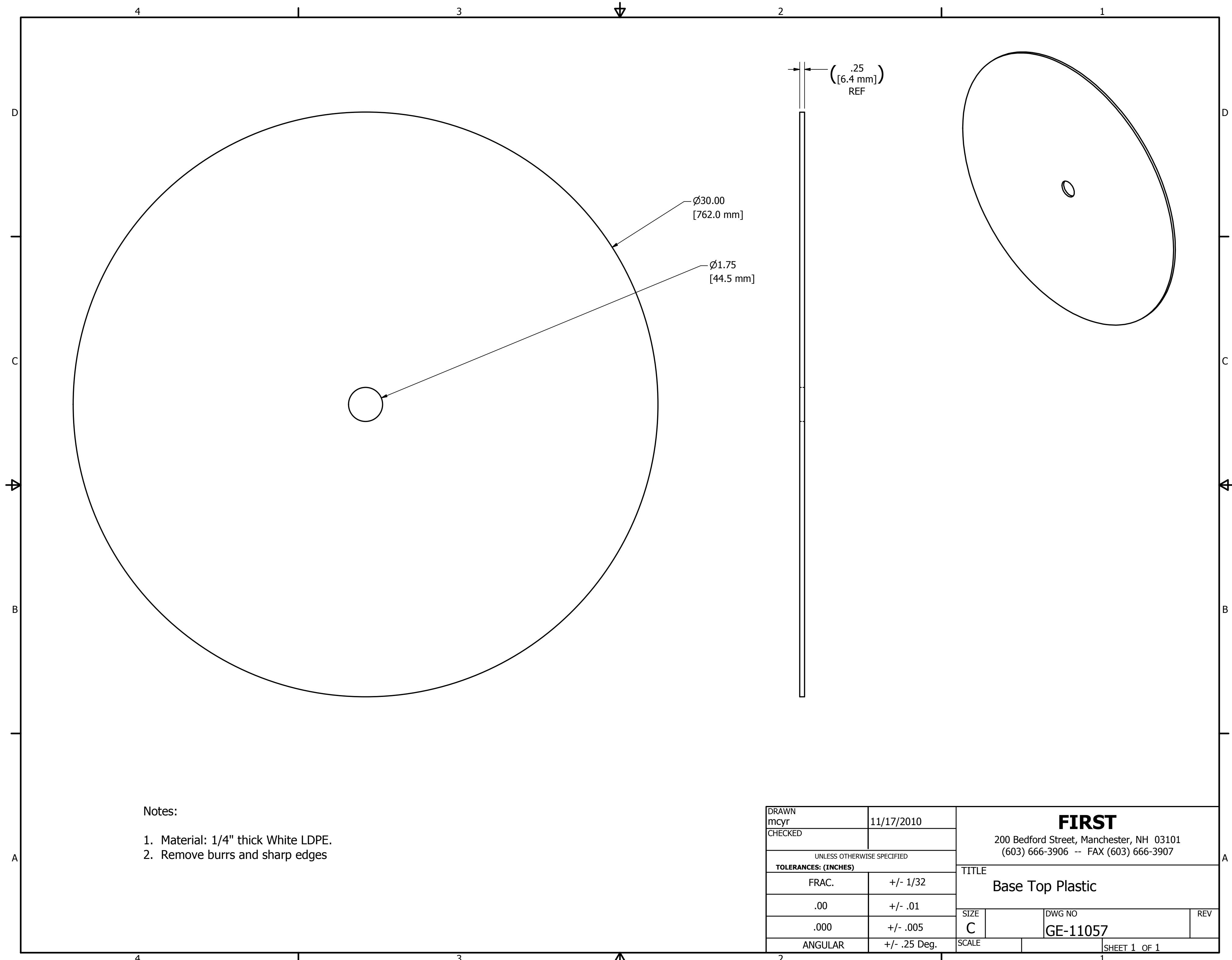
DRAWN mcyr	11/17/2010	FIRST 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907					
CHECKED							
UNLESS OTHERWISE SPECIFIED							
TOLERANCES: (INCHES)							
FRAC.	+/- 1/32						
.00	+/- .01						
.000	+/- .005						
ANGULAR	+/- .25 Deg.	SCALE	DWG NO	REV			
			GE-11055	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

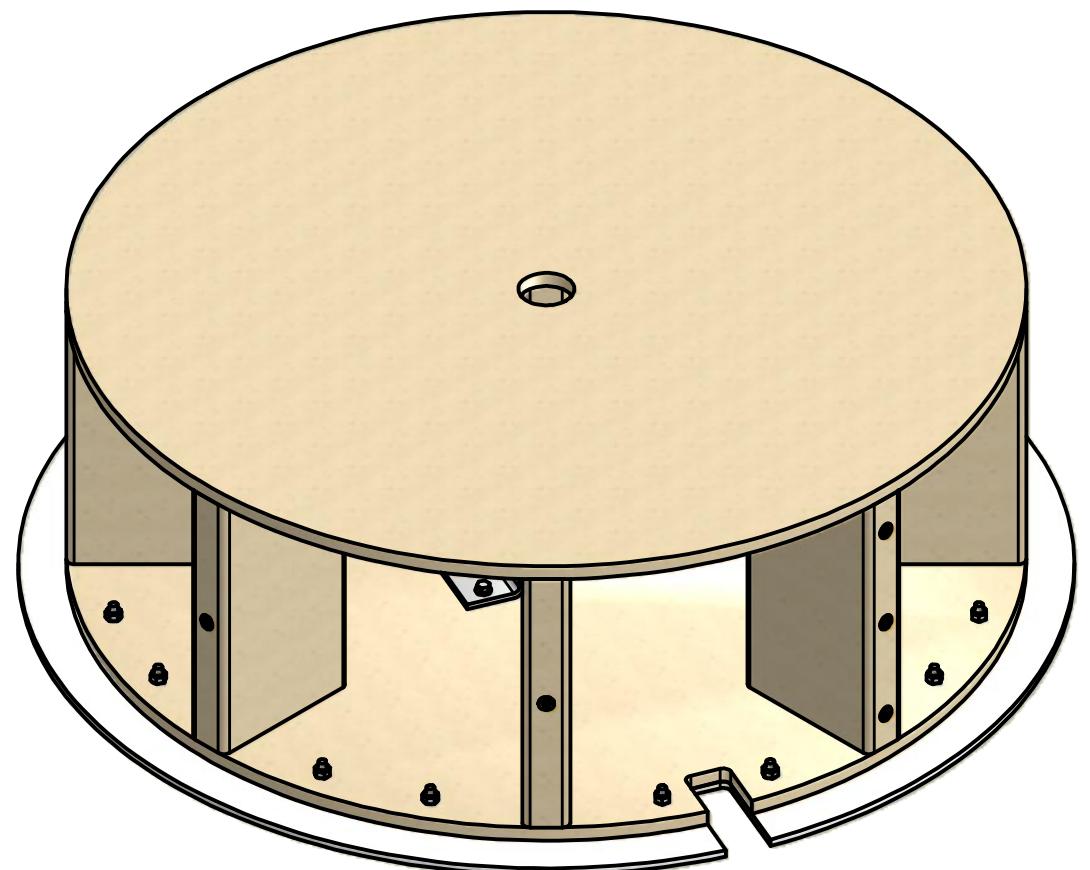


Note:

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

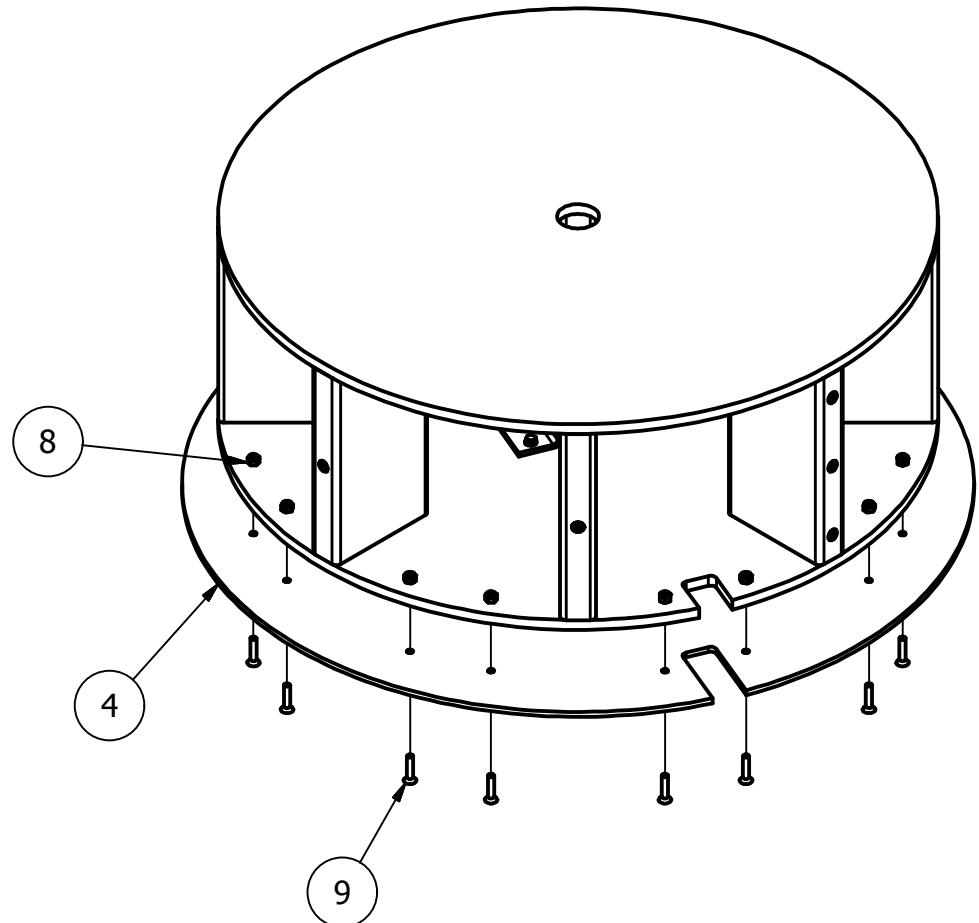
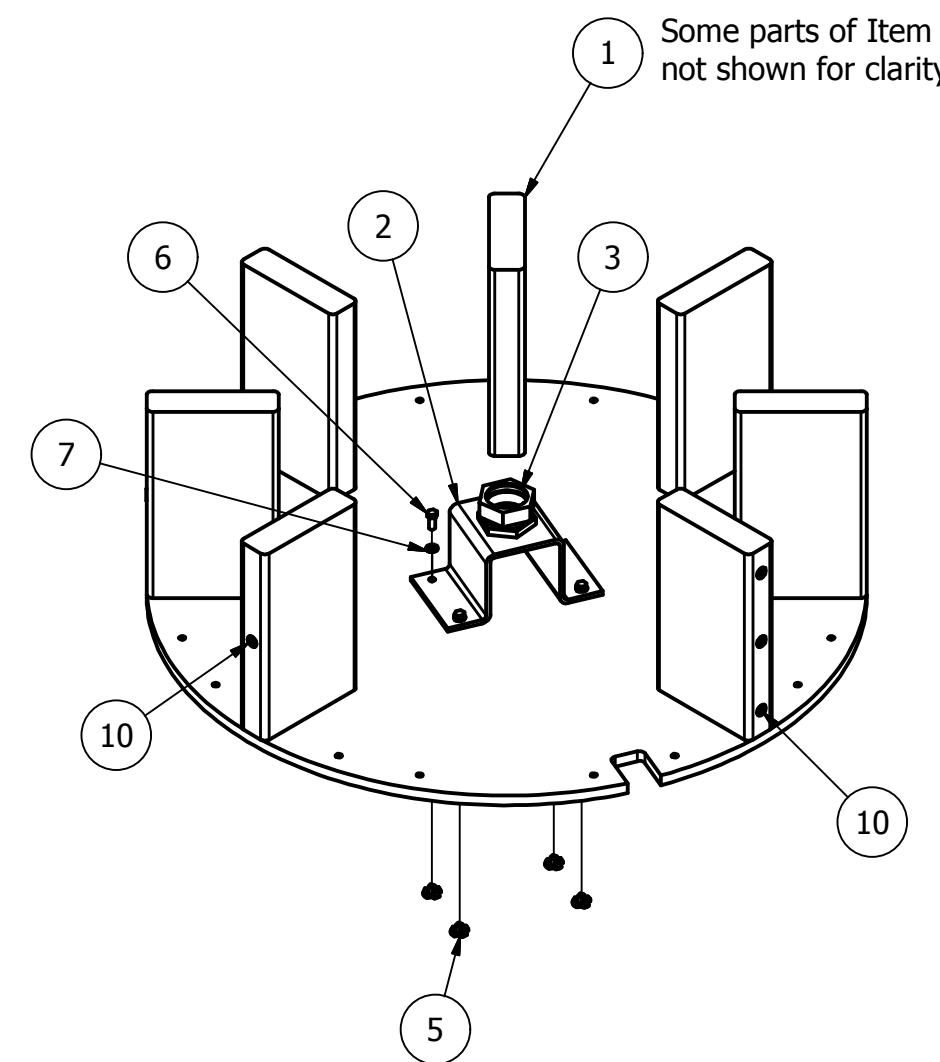
DRAWN mcyr	11/17/2010	FIRST 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907					
CHECKED							
UNLESS OTHERWISE SPECIFIED							
TOLERANCES: (INCHES)							
FRAC.	+/- 1/32	TITLE Base Foam	SIZE C	DWG NO GE-11056			
.00	+/- .01						
.000	+/- .005						
ANGULAR	+/- .25 Deg.						
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 Base Assembly	
CHECKED			
UNLESS OTHERWISE SPECIFIED			
TOLERANCES: (INCHES)			
FRAC.	+/- 1/32		
.00	+/- .01		
.000	+/- .005		
ANGULAR	+/- .25 Deg.	SIZE B DWG NO GE-11058 REV	
		SHEET 1 OF 2	



DRAWN dfoster	12/28/2010	FIRST					
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	$+\/- .005$	SIZE B	DWG NO GE-11058	REV			
ANGULAR	$+\/- .25$ Deg.	SCALE		SHEET 2 OF 2			

4

3

2

1

D

D

C

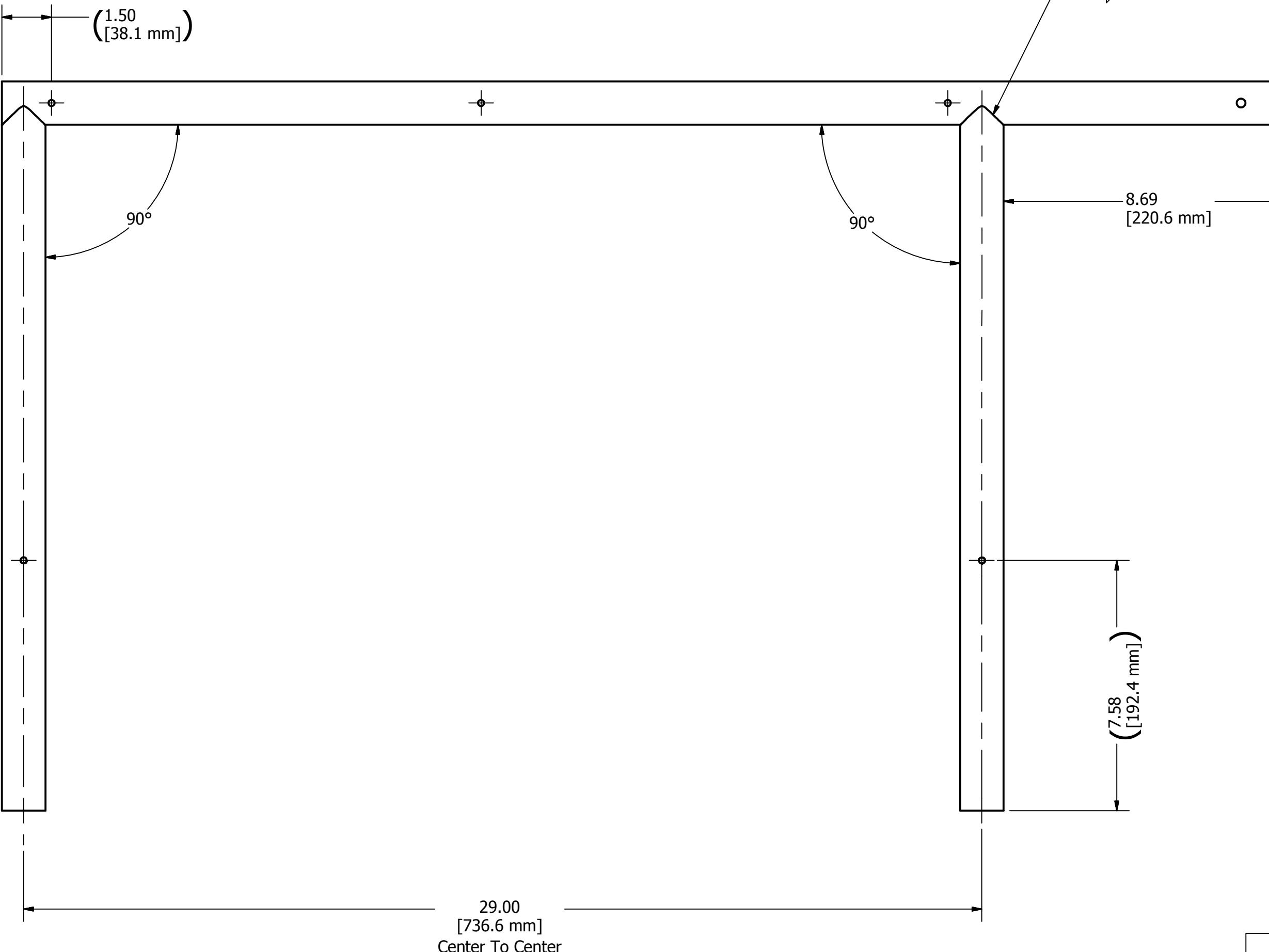
C

B

B

A

A

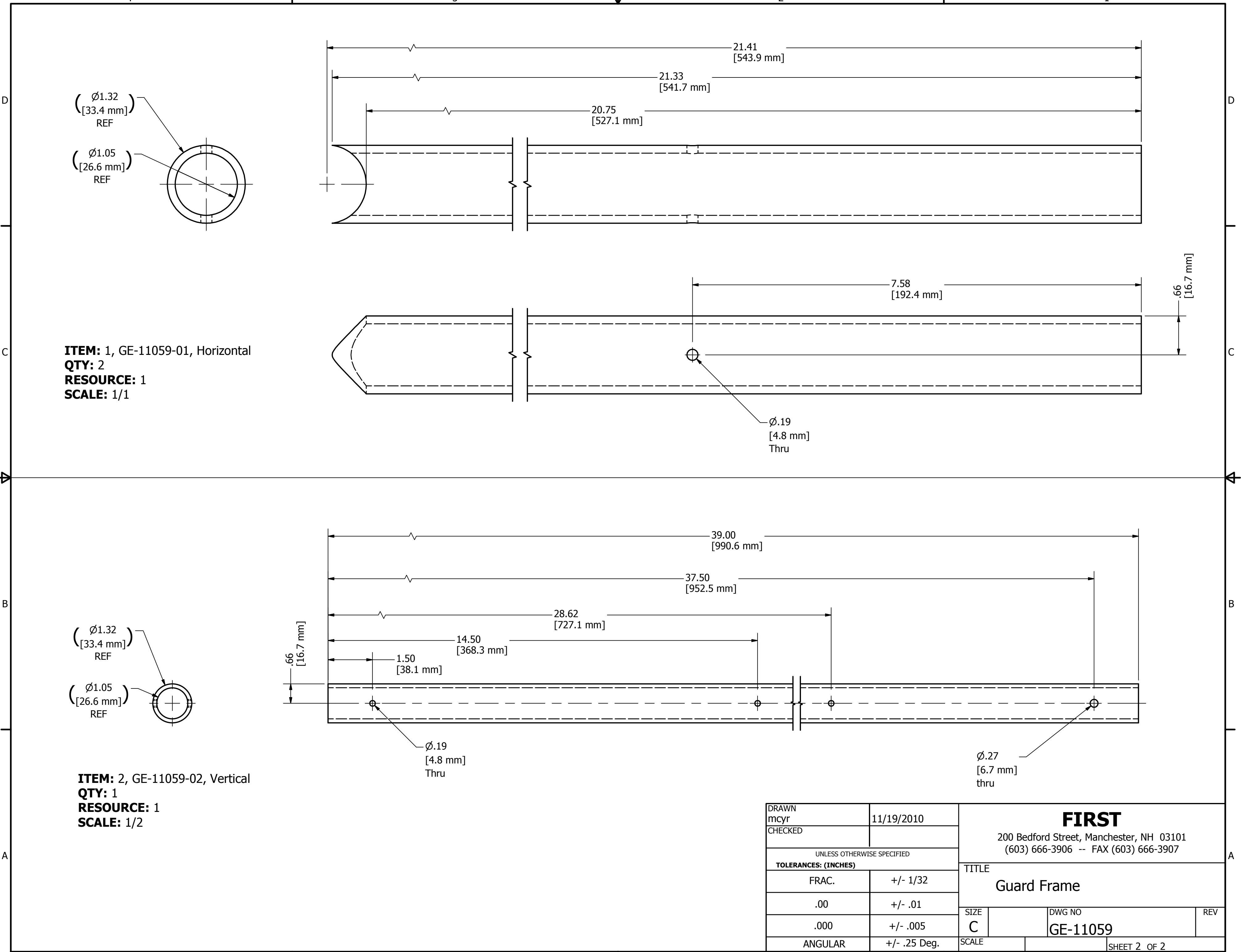


Resources		
Resource	Material	Quantity
1	1" Schedule 40, 6061 Aluminum Pipe	7 Feet [231.4 CM]

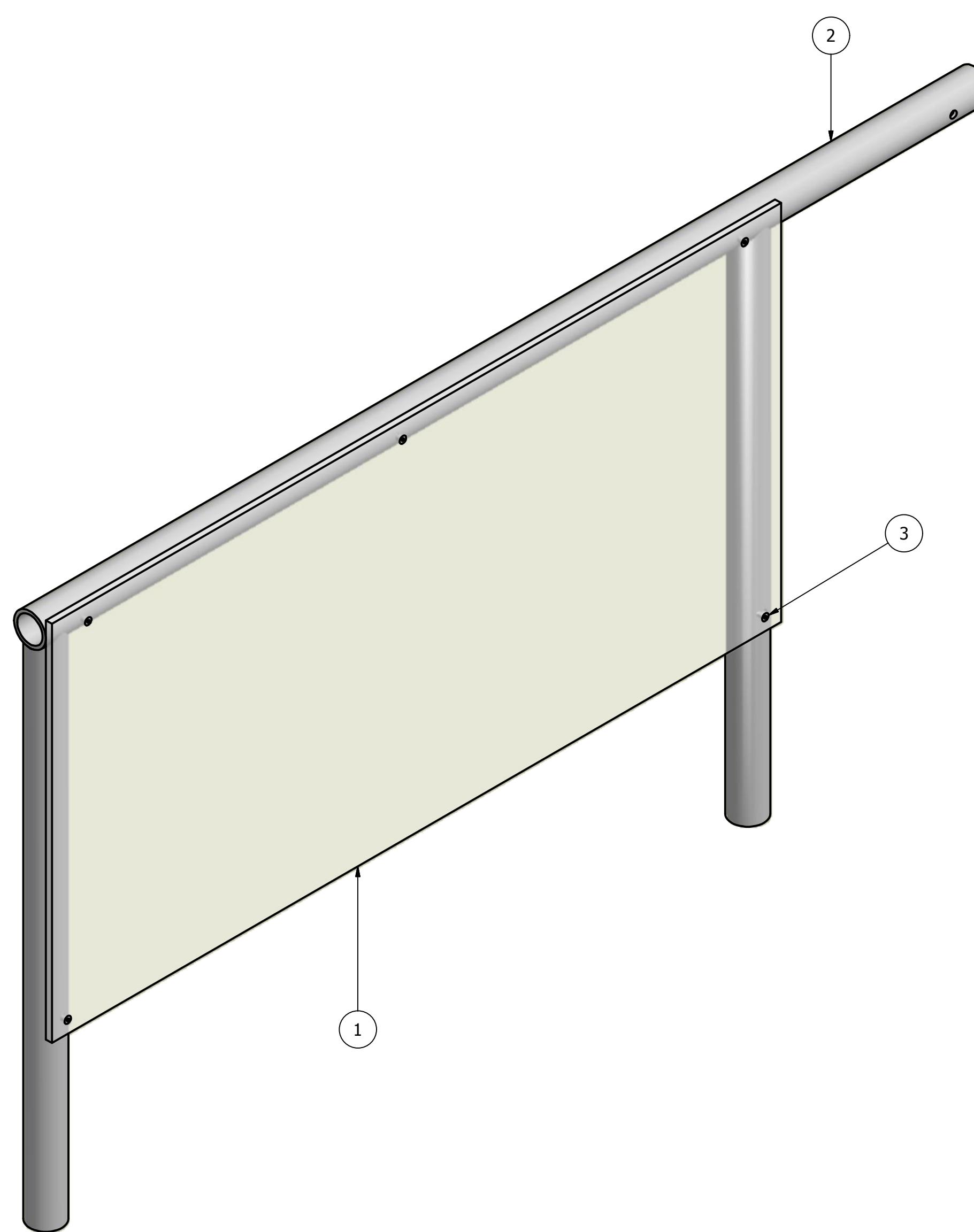
PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	GE-11059-01	Horizontal
2	1	GE-11059-02	Vertical

DRAWN mcyr	11/19/2010	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-11059
				REV
				SHEET 1 OF 2

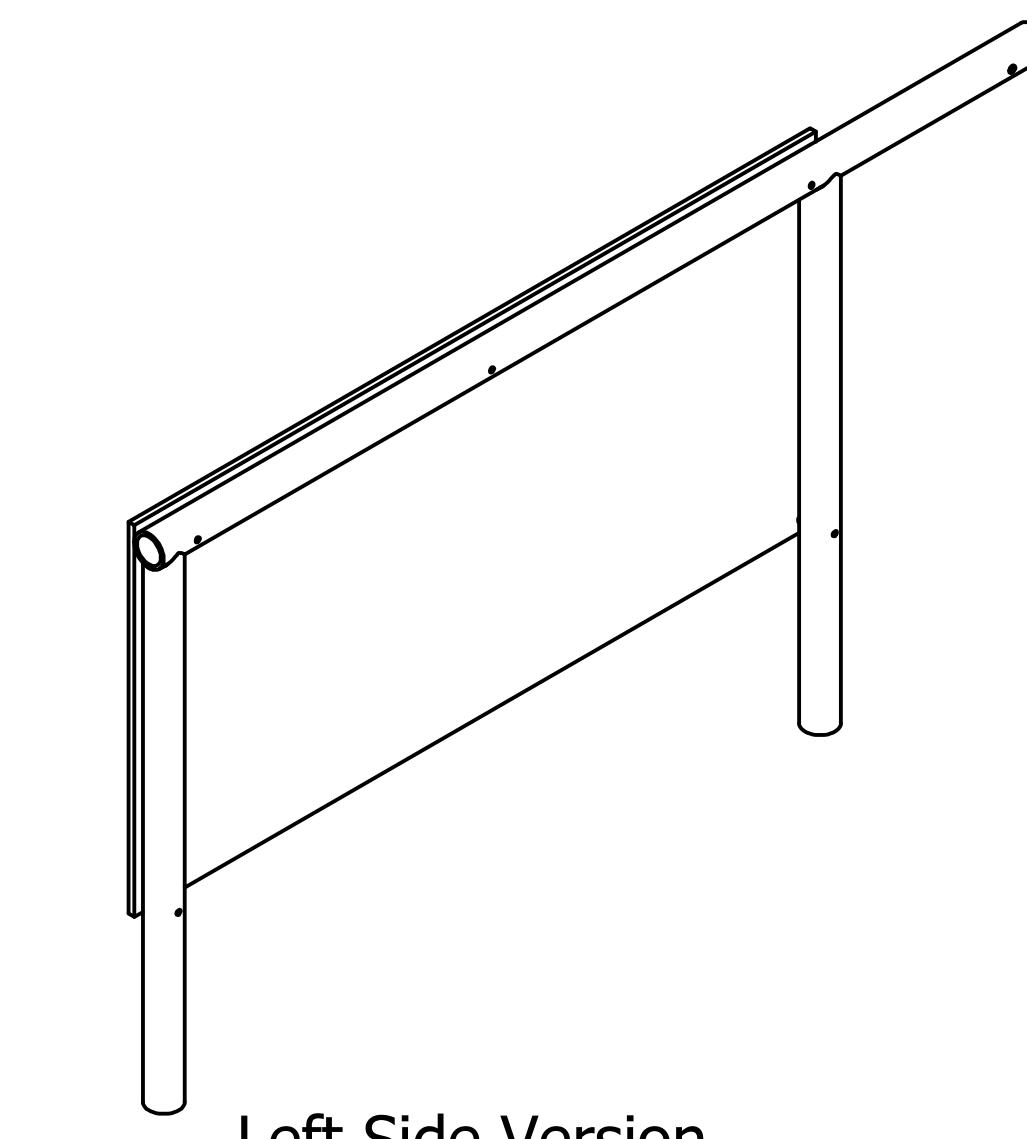
4 3 2 1



4 3 2 1



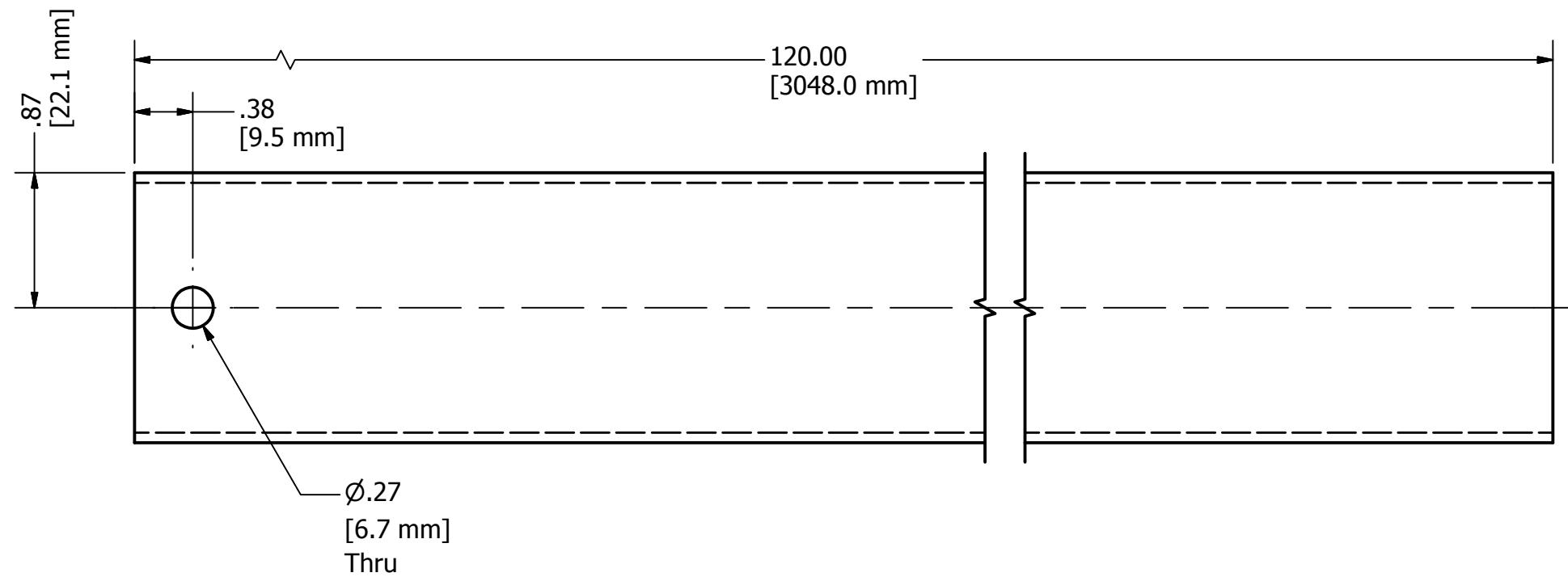
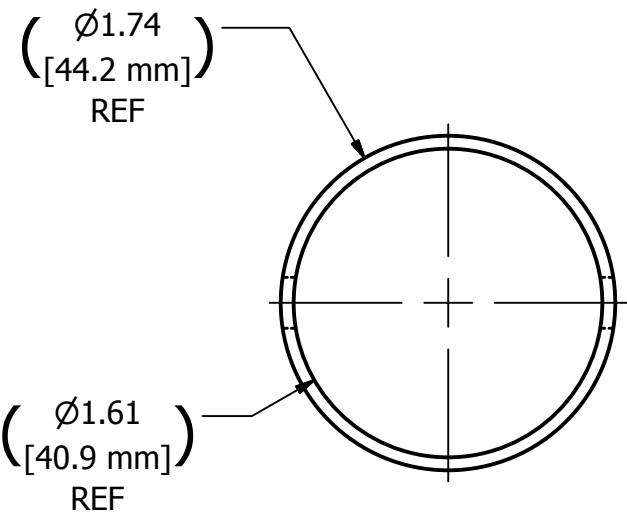
Right Side Version



Left Side Version

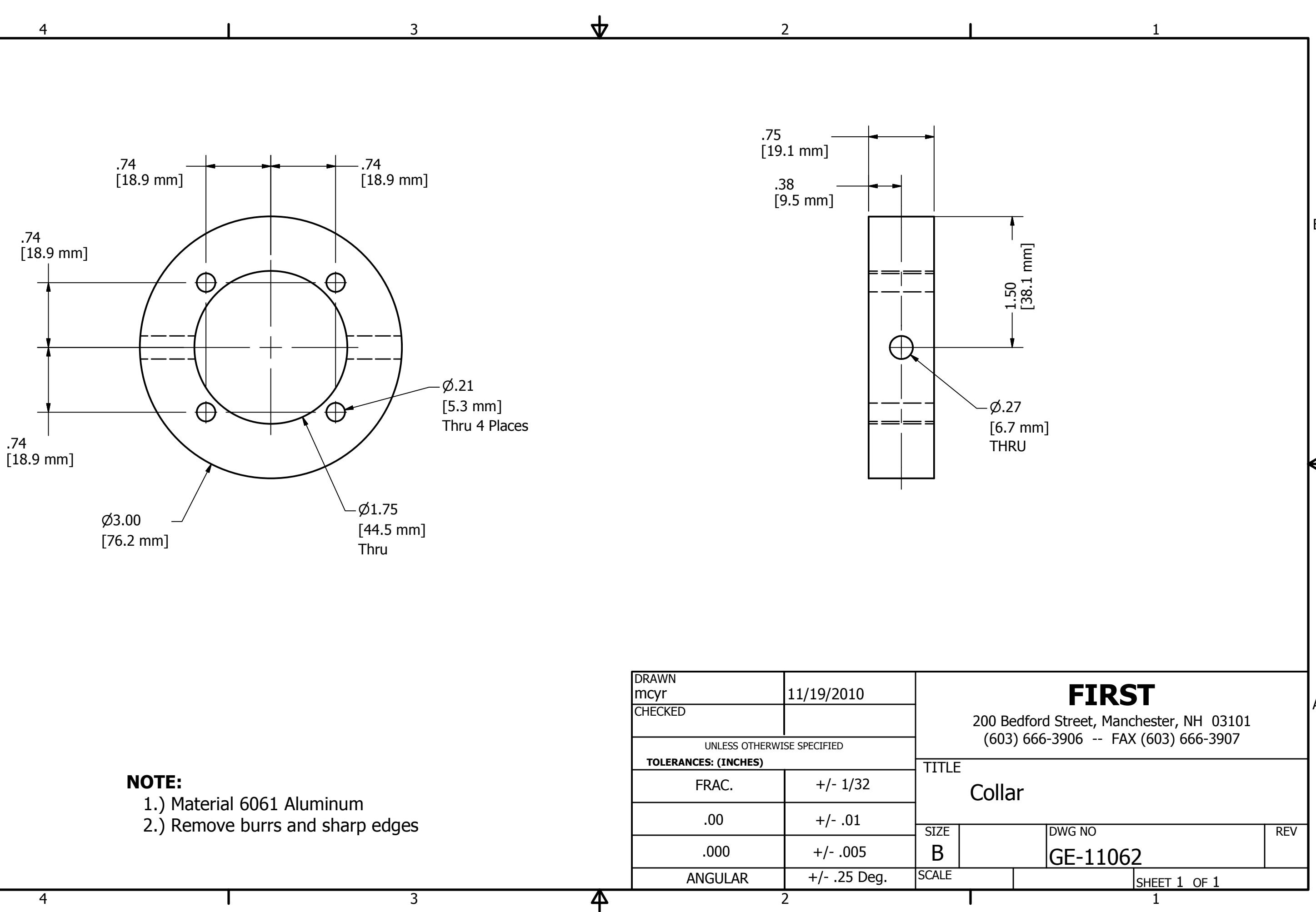
PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	GE-11053	Plastic Guard
2	1	GE-11059	Guard Frame
3	5	HW-00010	Pop Rivet 3/16 Dia.

DRAWN mcyr	11/19/2010	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-11060
				REV
				SHEET 1 OF 1

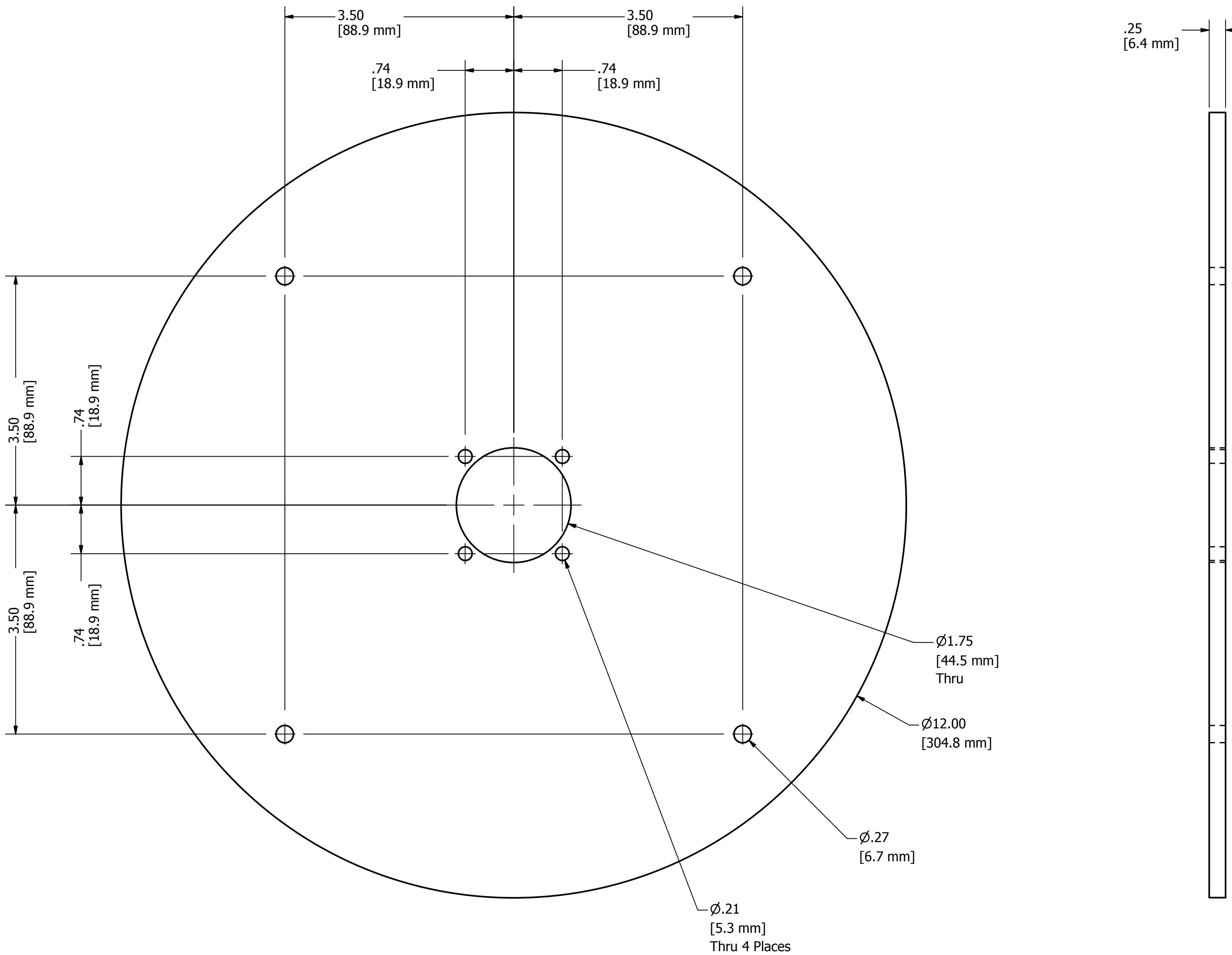

NOTES:

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

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

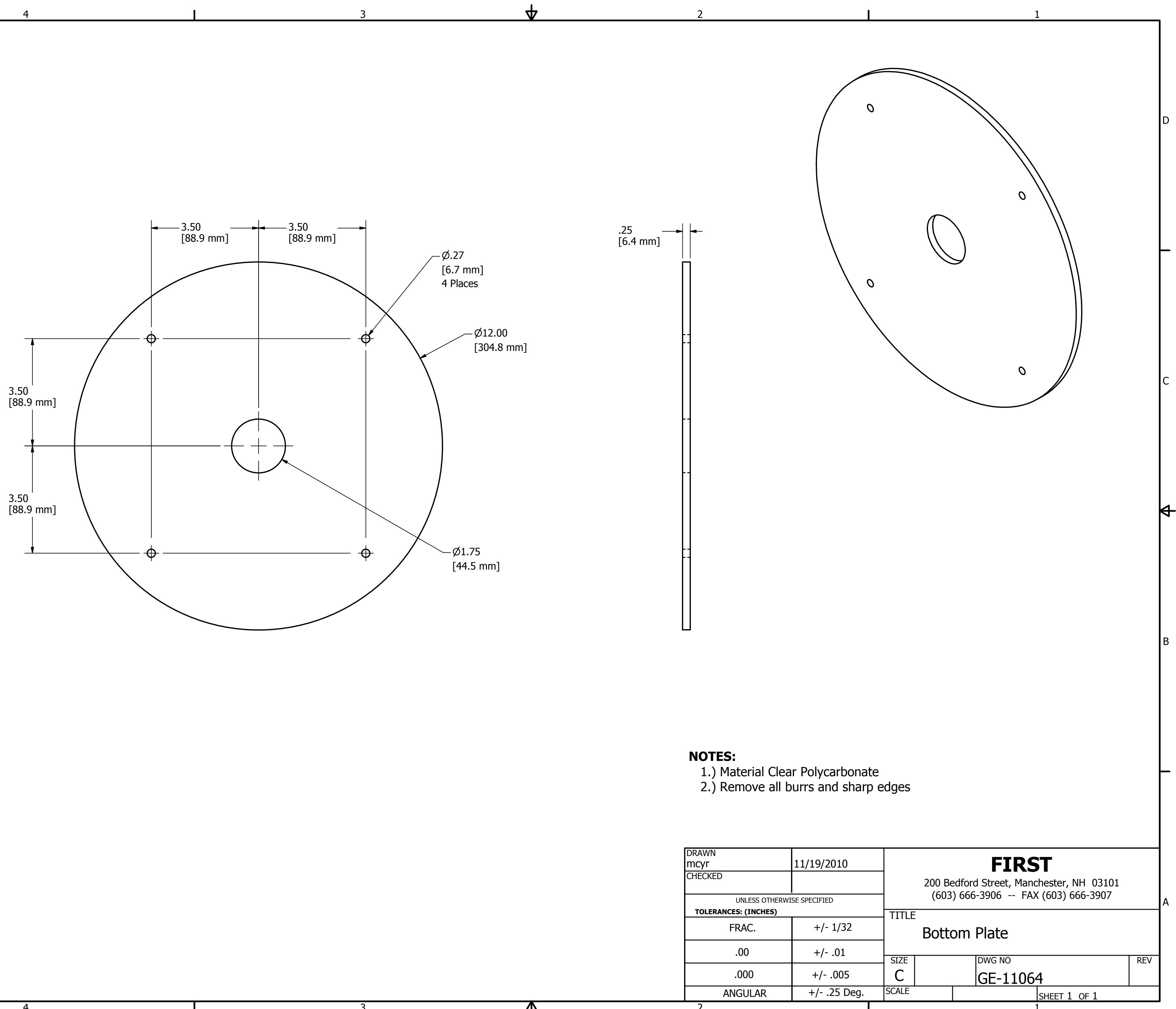


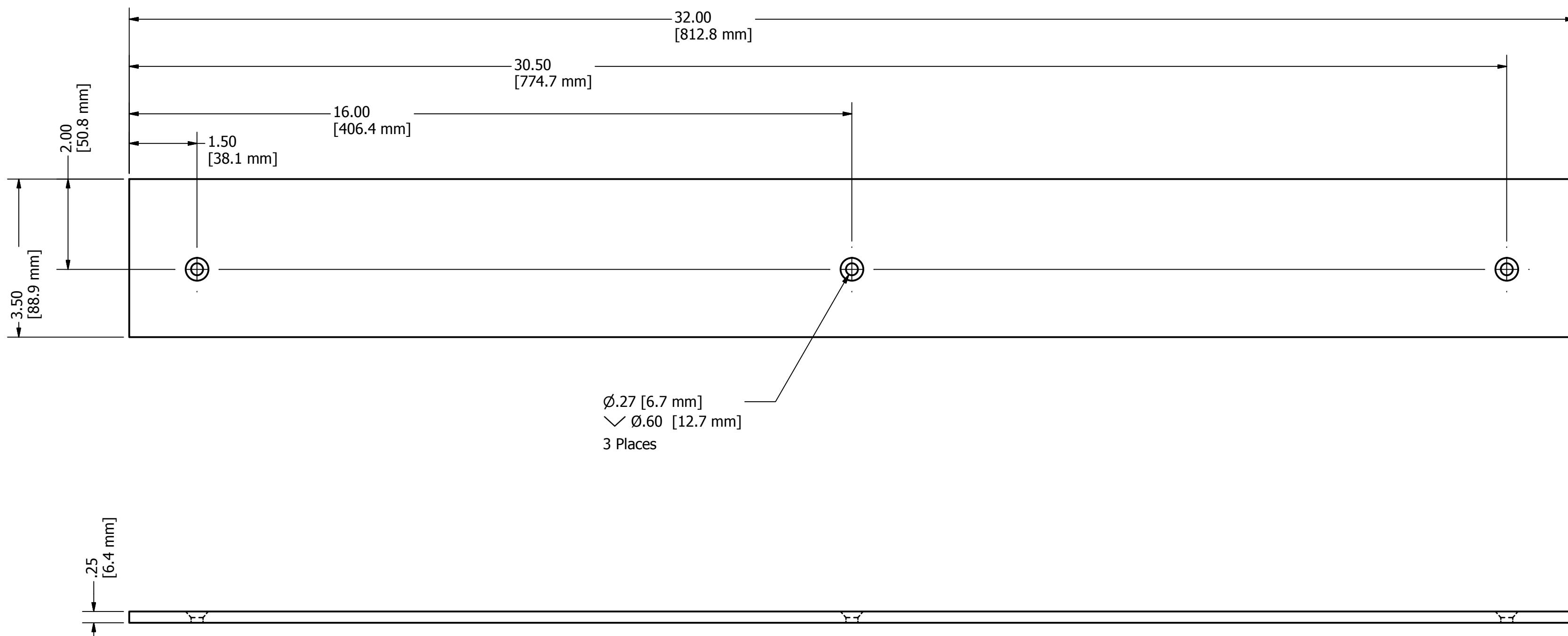
4 3 2 1

**NOTES:**

- 1.) Material Clear Polycarbonate
- 2.) Remove all burrs and sharp edges

DRAWN mcyr	11/19/2010	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-11063
		REV	
			SHEET 1 OF 1

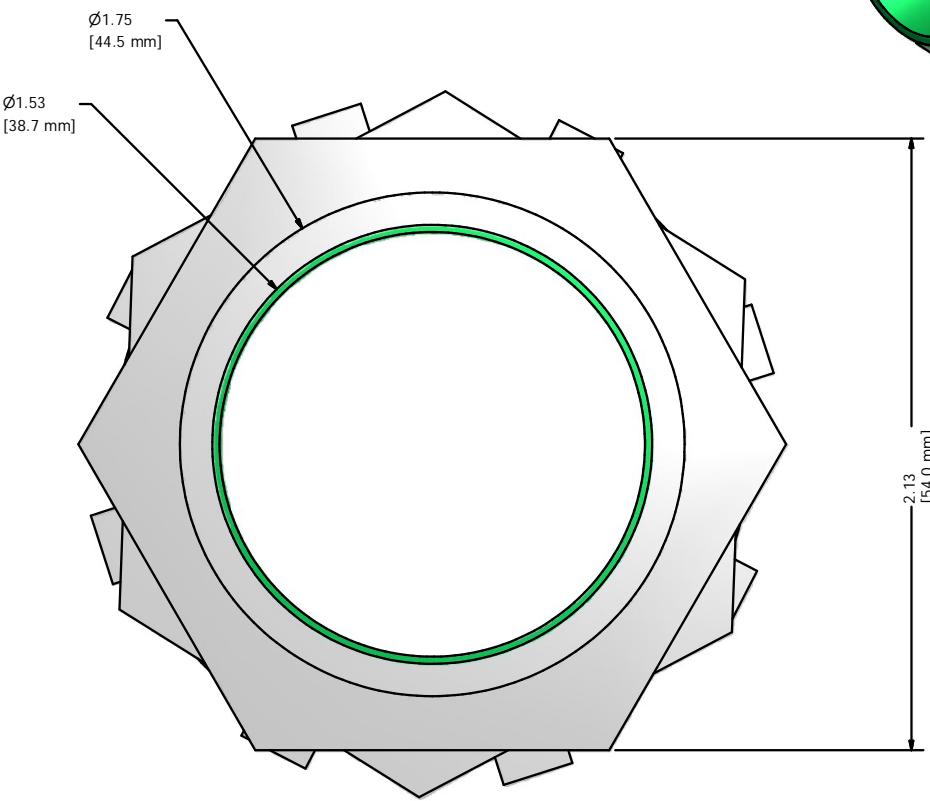
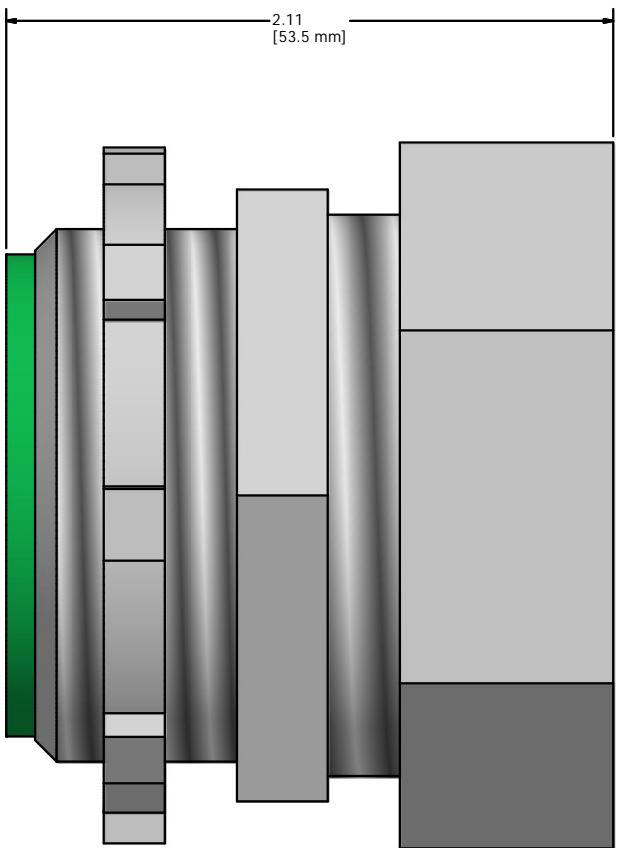
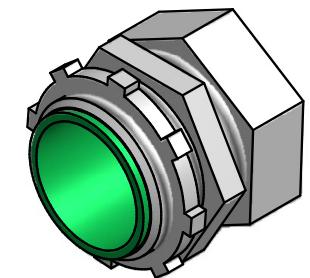




Notes:

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

DRAWN mcyr	11/30/2010	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
				SHEET 1 OF 1
			DWG NO	GE-11065
			REV	



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			