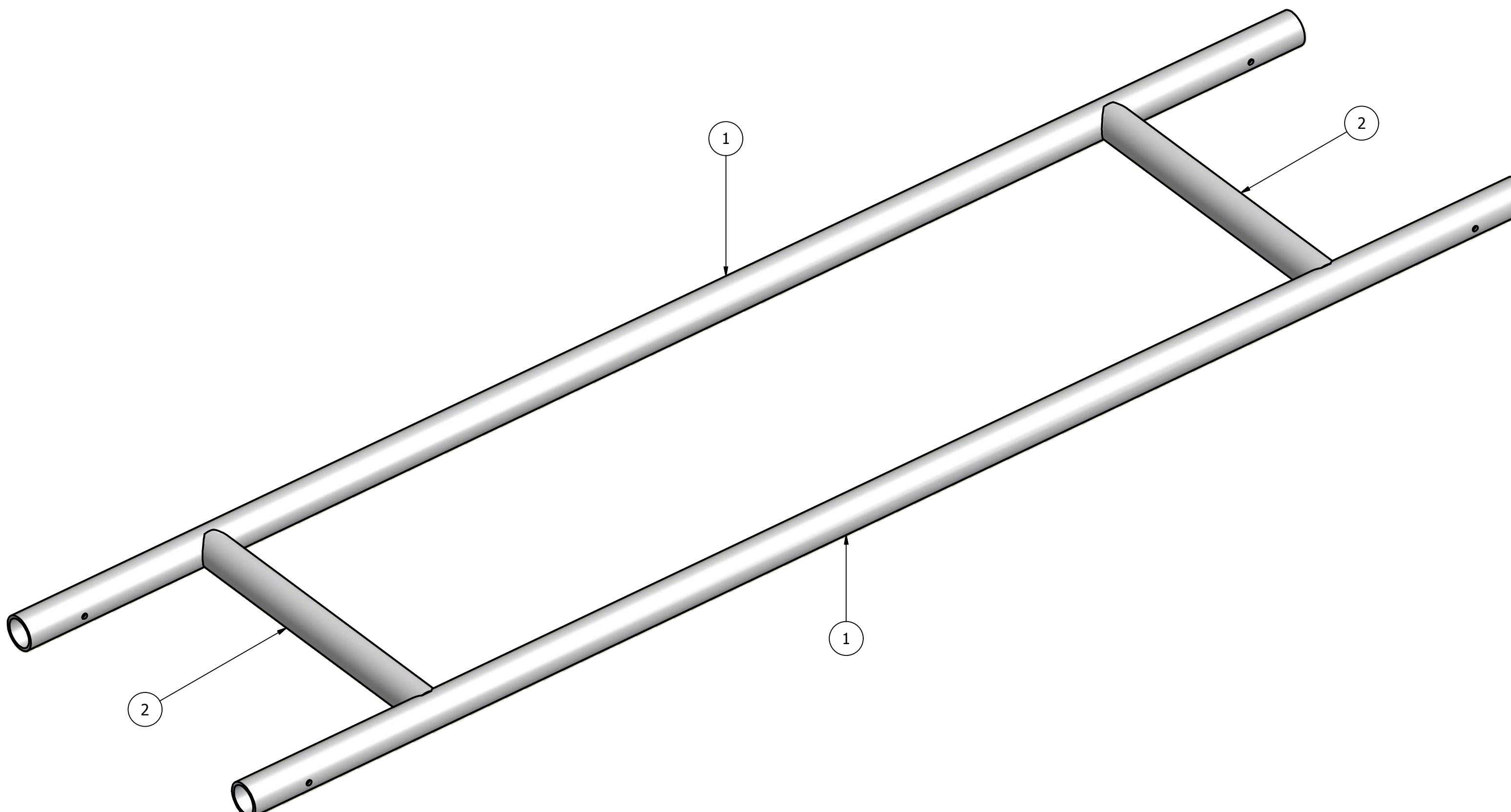


4 3 2 1

D

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C

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A

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PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	FE-00101-01	Long Sides
2	2	FE-00101-02	Short Sides

DRAWN mcyr	10/25/2012	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
			FE-00101
		REV	
			SHEET 1 OF 3

4

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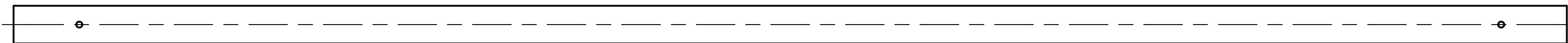
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A

4 3 2 1

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C

9.17 [232.9 mm] 4 Places (46.34 [1177.0 mm])

9.17 [232.9 mm] 4 Places

(46.34 [1177.0 mm])

B

B

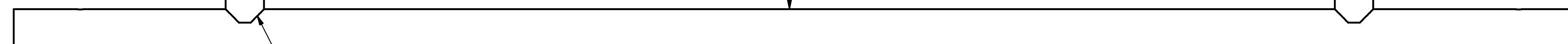


90° 4 Places

2

1

2



3/16 4 Places

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	FE-00101-01	Long Sides
2	2	FE-00101-02	Short Sides

A

A

4 3 2 1

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FIRST

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

DRAWN mcyr		10/25/2012	TITLE
CHECKED			
UNLESS OTHERWISE SPECIFIED			
TOLERANCES: (INCHES)	FRAC.	+/- 1/32	
.00		+/- .01	
.000		+/- .005	SIZE
ANGULAR		+/- .25 Deg.	DWG NO
			FE-00101
			REV
			SHEET 2 OF 3

4

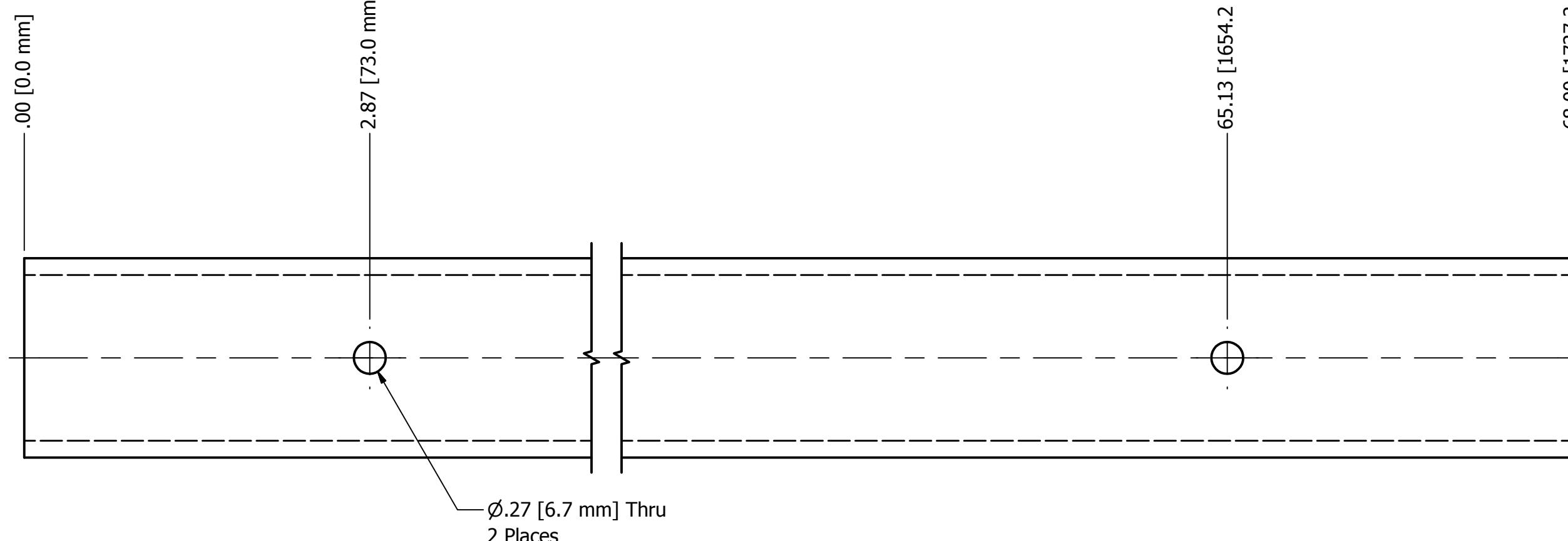
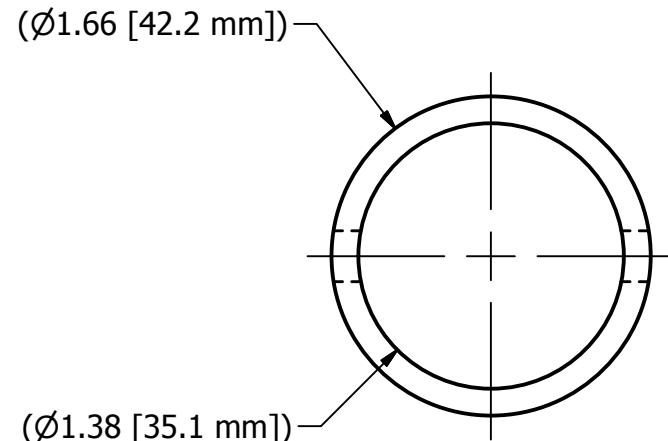
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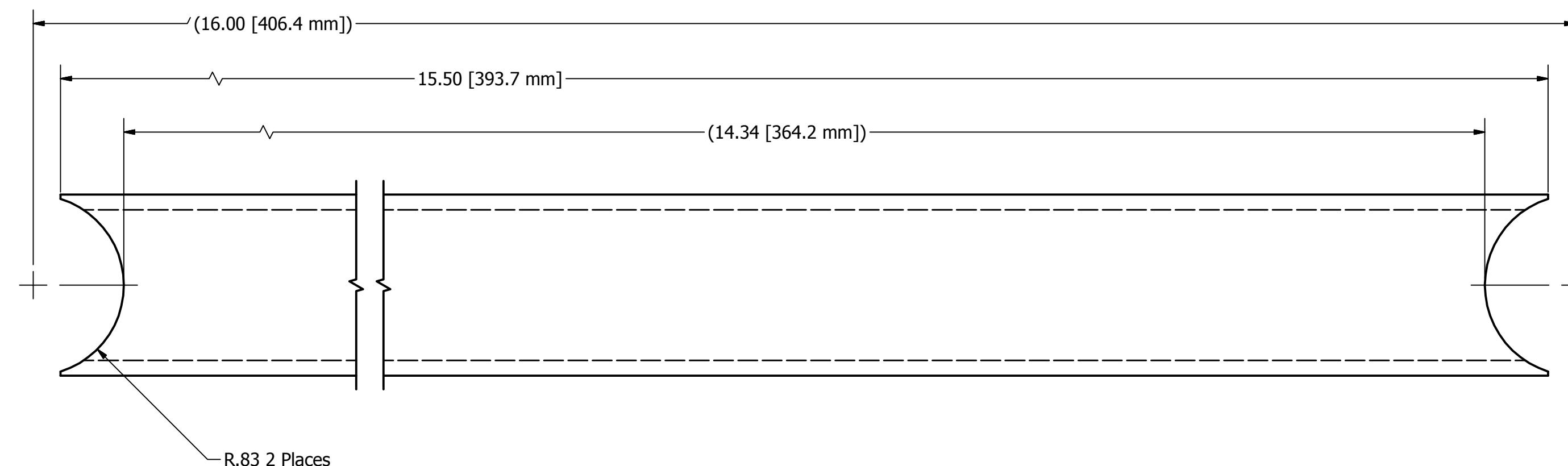
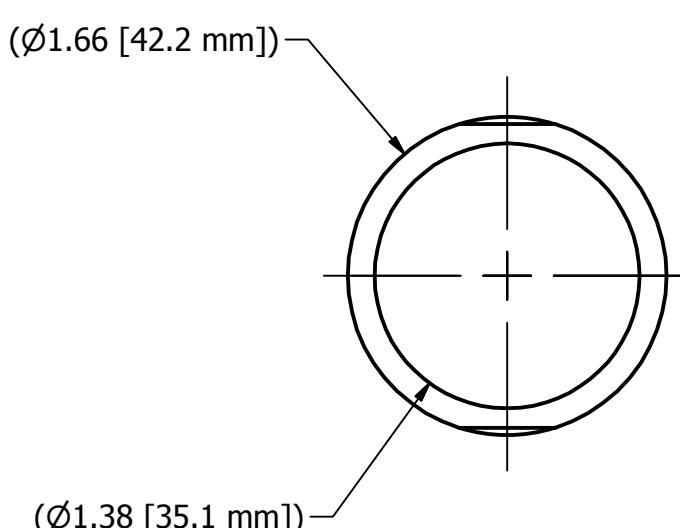
D



Item: 1, FE-00101-01, Long Sides
Material: 1-1/4" Schedule 40, 6061-T6 Aluminum
Scale: 1/1
QTY: 2

A

A



Item: 2, FE-00101-02, Short Sides
Material: 1-1/4" Schedule 40, 6061-T6 Aluminum
Scale: 1/1
QTY: 2

A

A

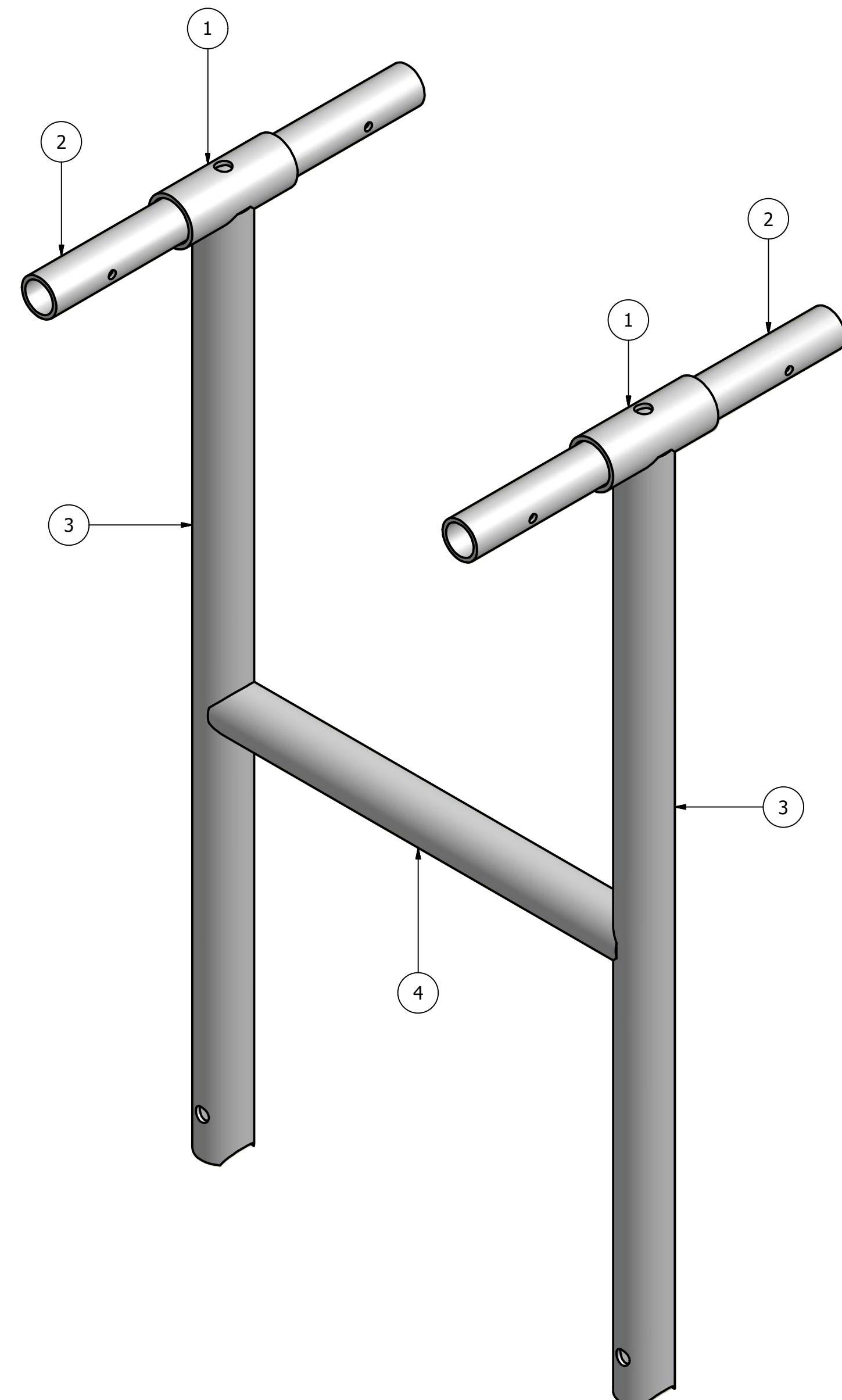
DRAWN mcyr	10/25/2012	FIRST 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
CHECKED				
UNLESS OTHERWISE SPECIFIED				
TOLERANCES: (INCHES)				
FRAC.	+/- 1/32			
.00	+/- .01			
.000	+/- .005			
ANGULAR	+/- .25 Deg.	SCALE	DWG NO	REV
			FE-00101	
SHEET 3 OF 3				

4

3

2

1



REVISION HISTORY						
ZONE	REV	DESCRIPTION	DATE APPROVED			
B-3	1	Changed hole position from 2.87" to 2.13" on sheet 4			10/29/2012	MLC

D

D

C

C

B

B

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A

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	FE-00102-01	Insert Mount
2	2	FE-00102-02	Insert
3	2	FE-00102-03	Vertical Supports
4	1	FE-00102-04	Horizontal Support

DRAWN mcyr	10/25/2012	FIRST 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907			
CHECKED					
UNLESS OTHERWISE SPECIFIED					
TOLERANCES: (INCHES)					
FRAC.	+/- 1/32	TITLE Shelf Support, Inner			
.00	+/- .01				
.000	+/- .005	SIZE C	DWG NO FE-00102		
ANGULAR	+/- .25 Deg.	SCALE	REV 1		
SHEET 1 OF 5					

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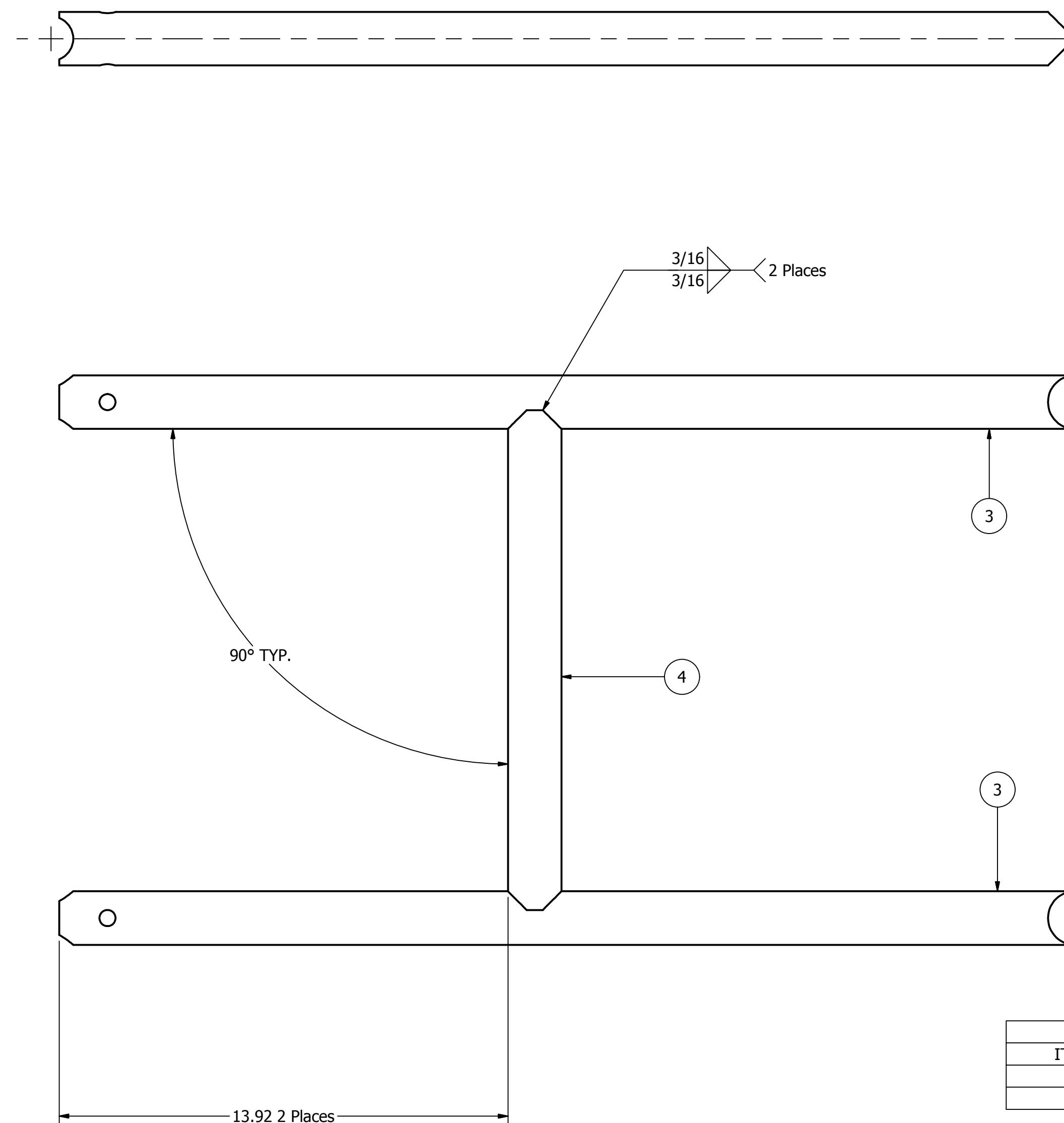
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4 3 2 1

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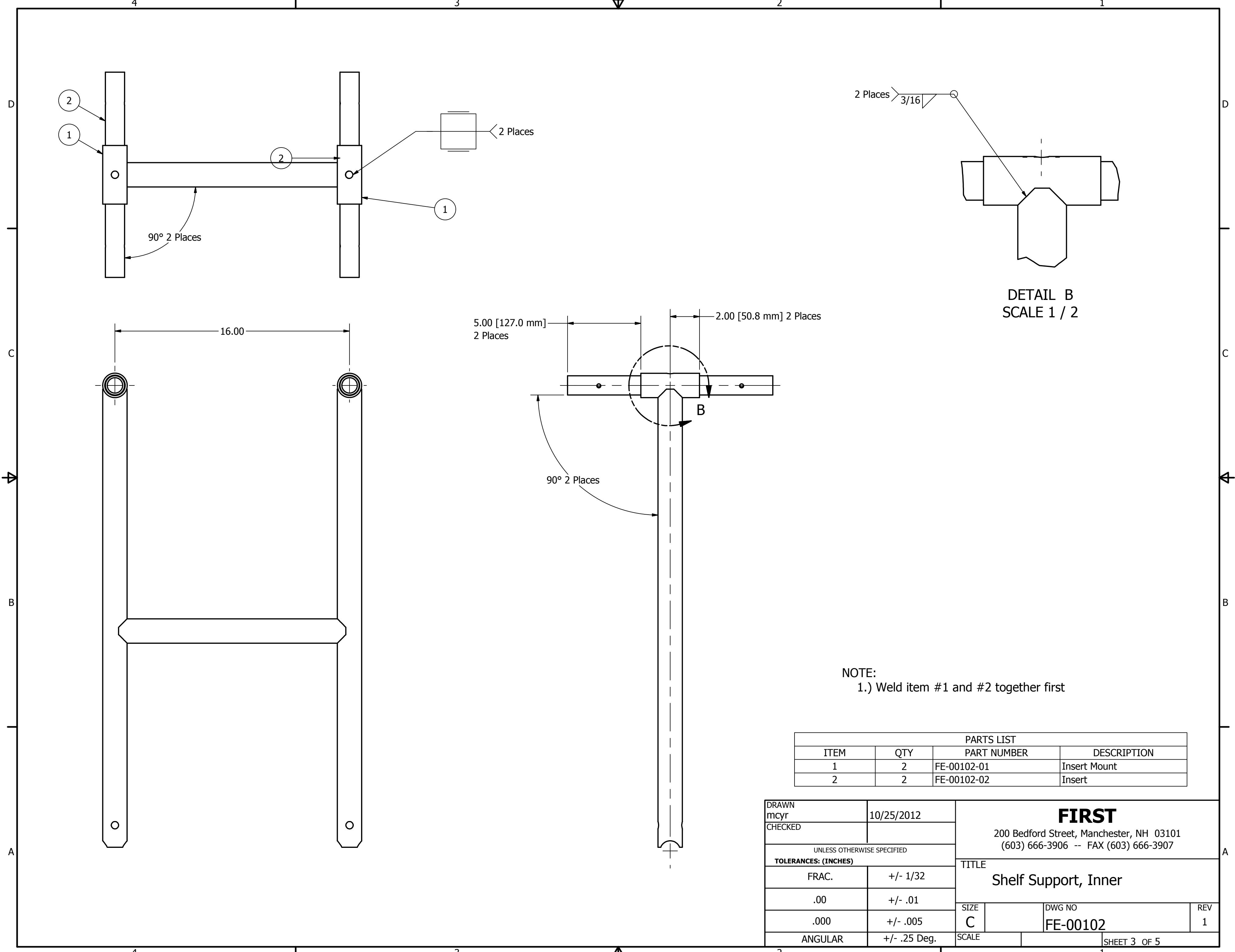
D



PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
3	2	FE-00102-03	Vertical Supports
4	1	FE-00102-04	Horizontal Support

DRAWN mcyr	10/25/2012	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
			FE-00102	1
			SHEET 2 OF 5	

4 3 2 1



4

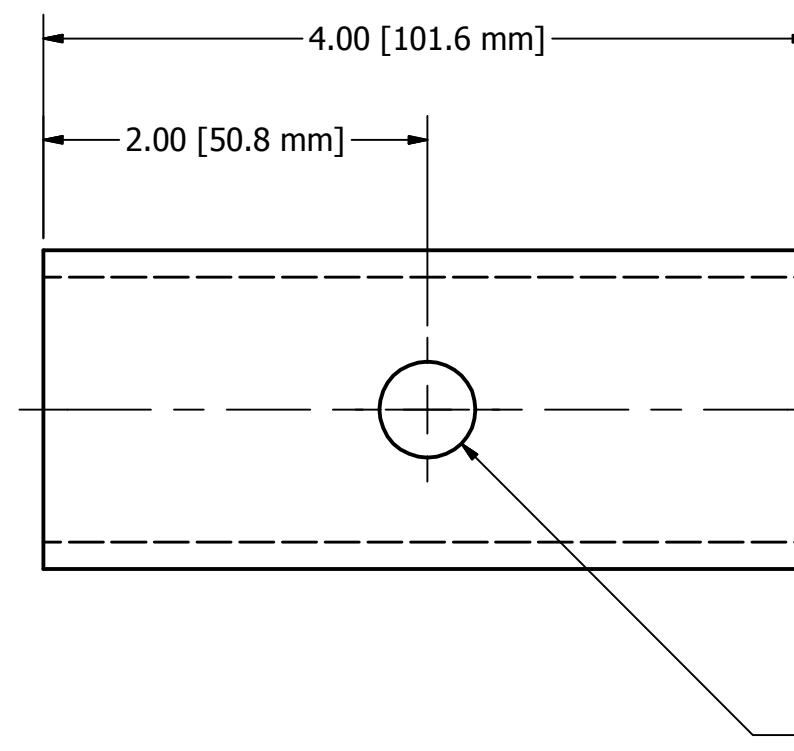
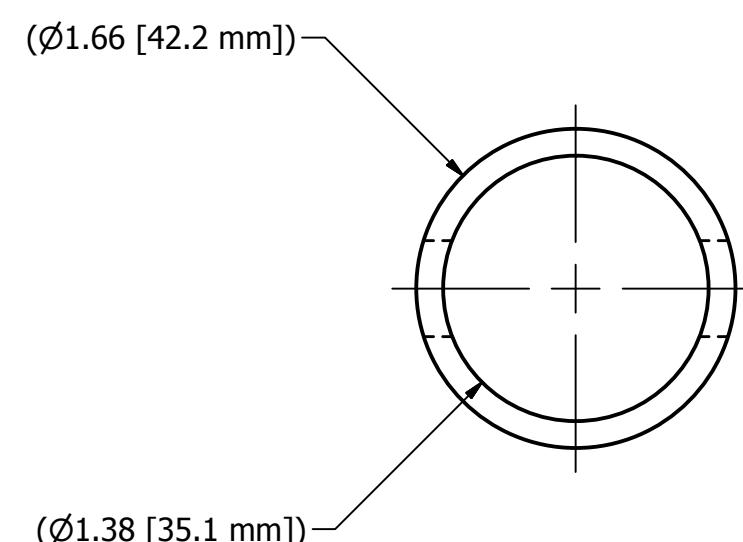
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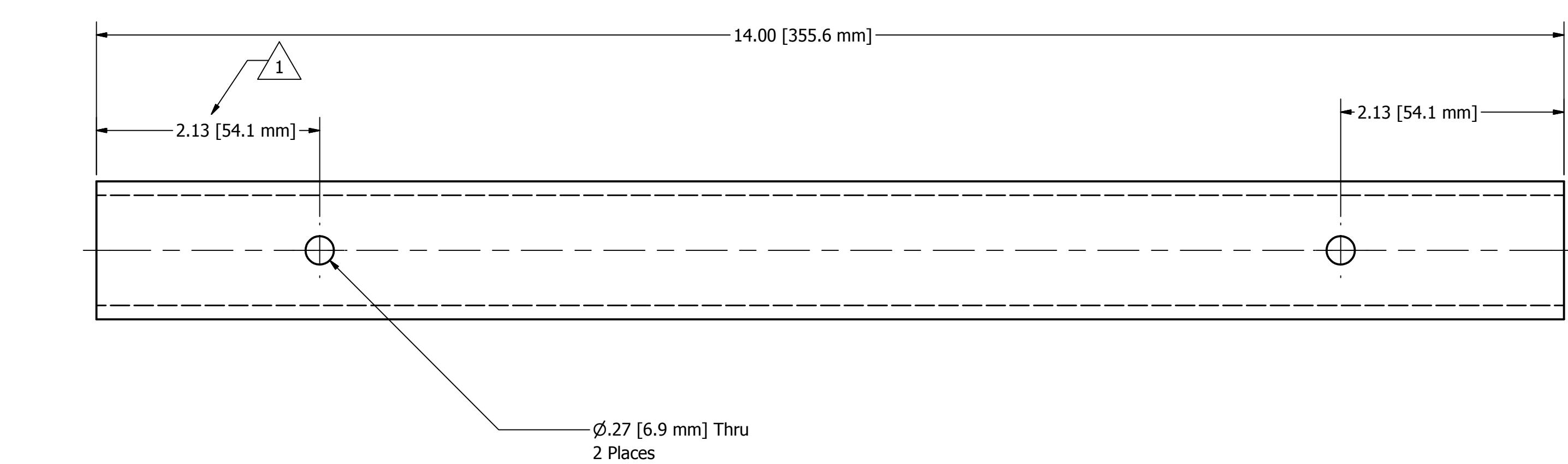
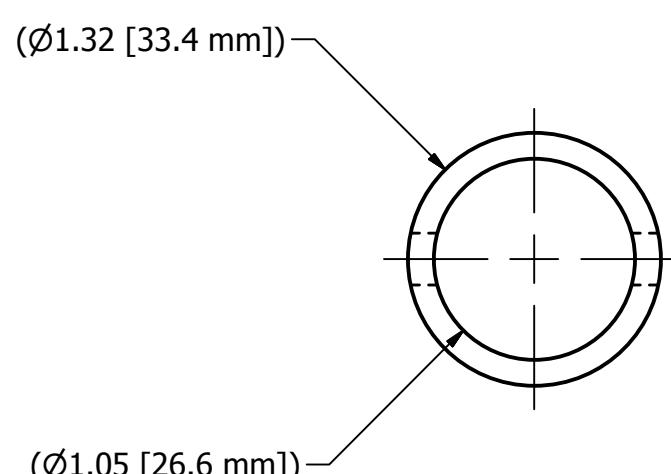
C

A

A

B

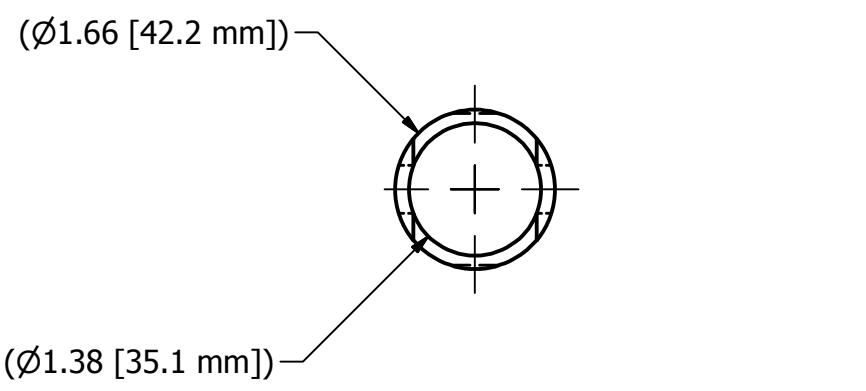
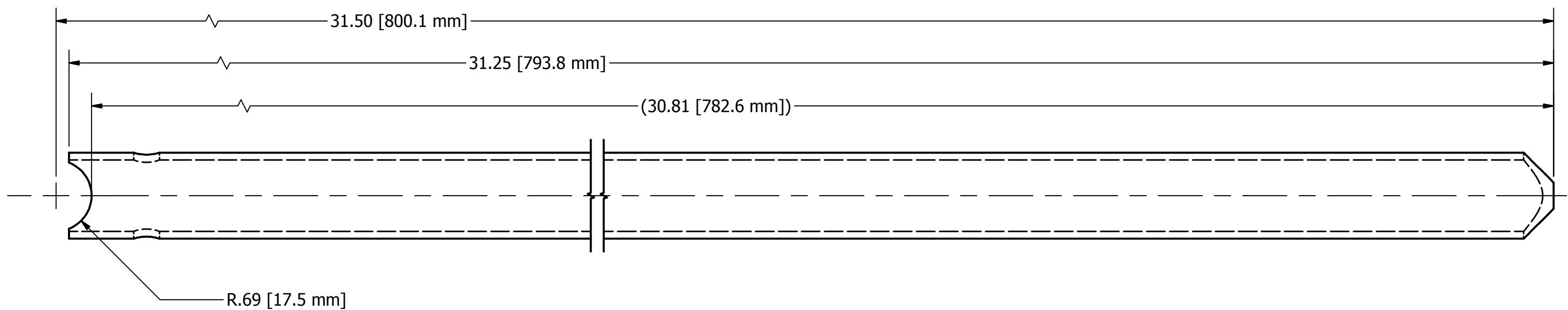
B



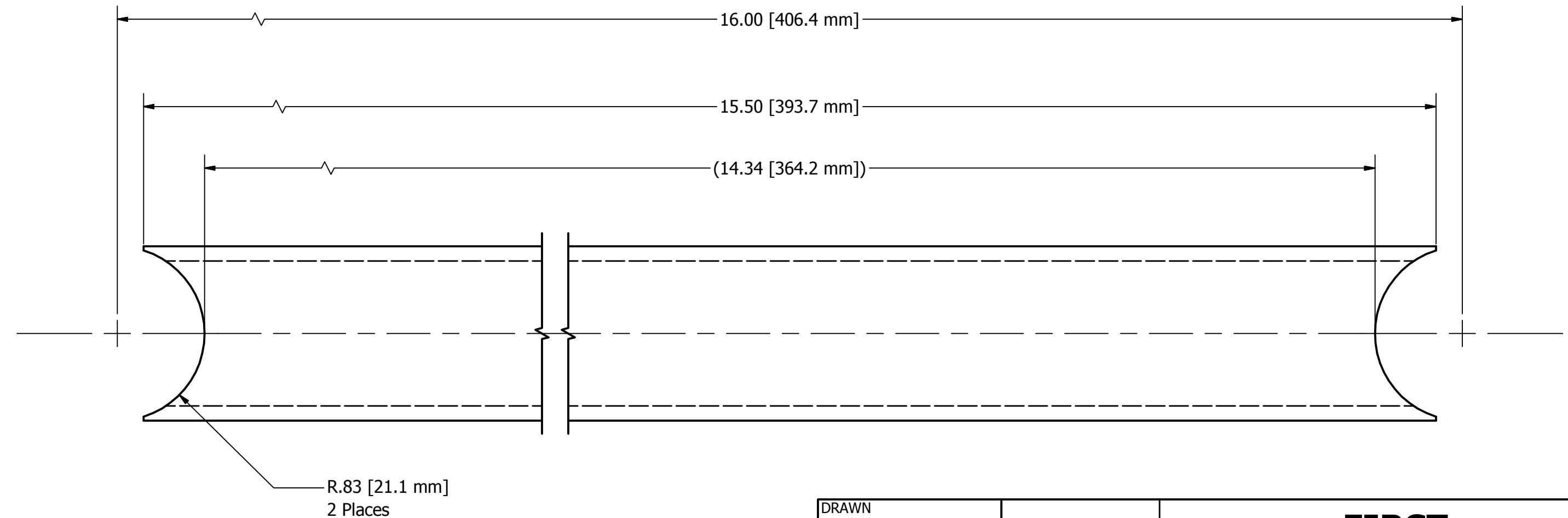
Item: 1, FE-00101-01, Insert Mount
Material: 1-1/4" Schedule 40, 6061-T6 Aluminum
Scale: 1/1
QTY: 2

DRAWN mcyr	10/25/2012	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
			FE-00102	1
SHEET 4 OF 5				

4 3 2 1



Item: 3, FE-00103-03, Vertical Support
Material: 1-1/4" Schedule 40, 6061-T6 Aluminum
Scale: 1/2
QTY: 2

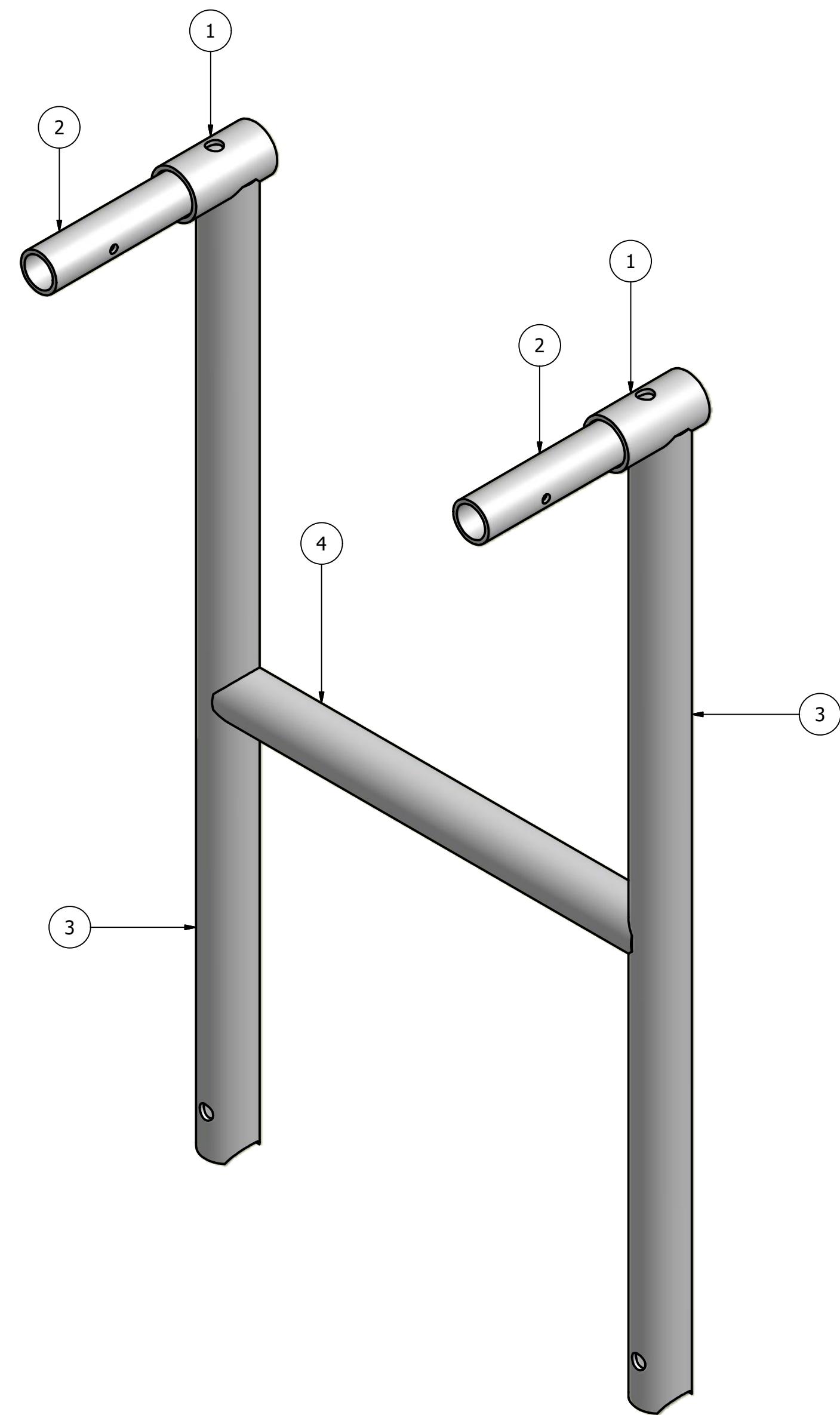


Item: 4, FE-00103-04, Horizontal Support
Material: 1-1/4" Schedule 40, 6061-T6 Aluminum
Scale: 1/1
QTY: 1

DRAWN mcyr	10/25/2012	FIRST		
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
UNLESS OTHERWISE SPECIFIED				
TOLERANCES: (INCHES)		TITLE		
FRAC.	+/- 1/32	Shelf Support, Inner		
.00	+/- .01	SIZE		
.000	+/- .005	DWG NO		
ANGULAR	+/- .25 Deg.	SCALE		REV 1
			FE-00102	
			SHEET 5 OF 5	

4 3 2 1

4	3	2	1
REVISION HISTORY			
ZONE	REV	DESCRIPTION	
B-3	1	Changed hole position from 2.87" to 2.13" on sheet 4	
DATE		APPROVED	
10/29/2012		MLC	



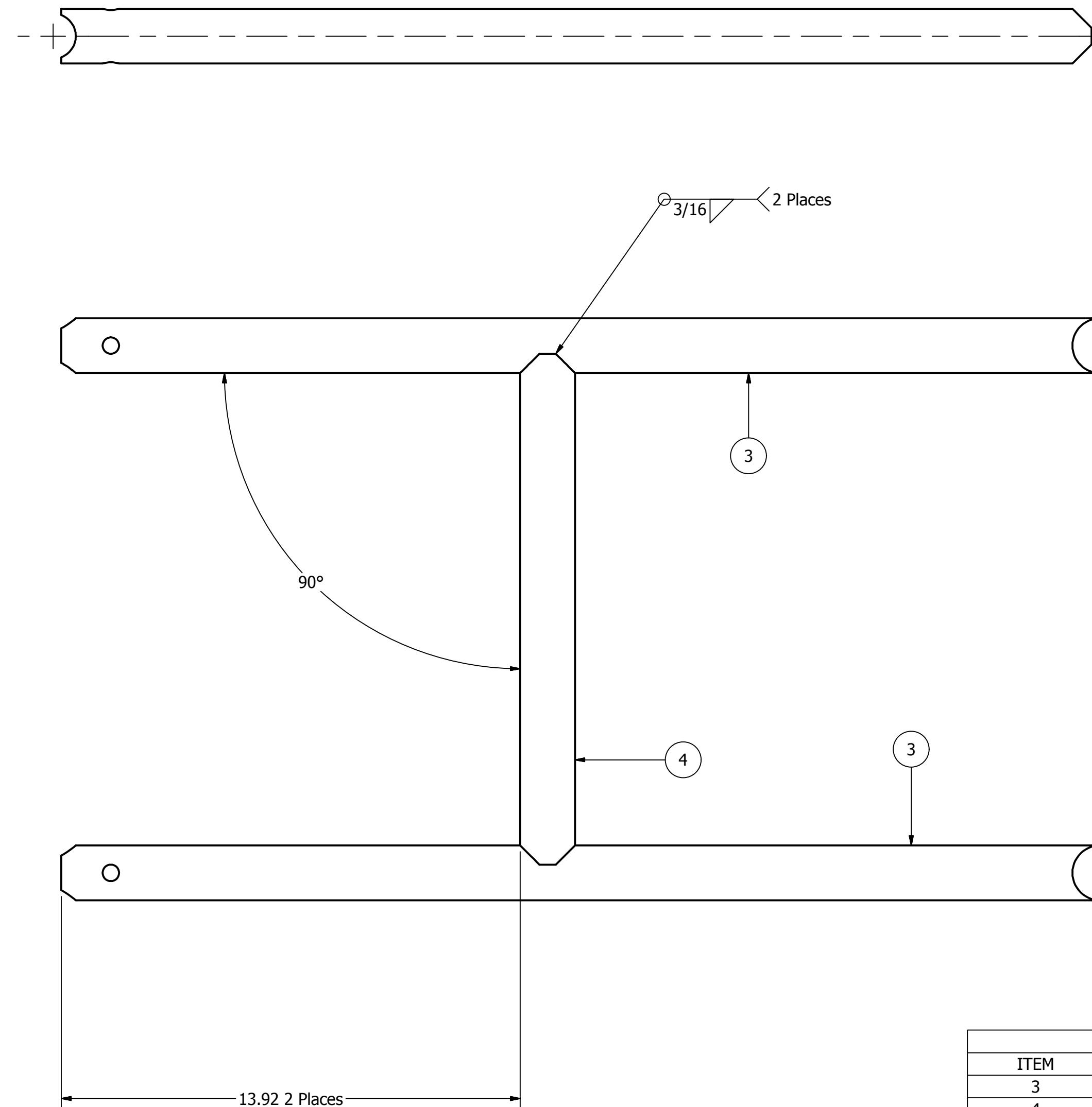
PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	FE-00103-01	Insert Mount
2	2	FE-00103-02	Insert
3	2	FE-00103-03	Vertical Support
4	1	FE-00103-04	Horizontal Support

DRAWN mcyr	10/25/2012	FIRST 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907					
CHECKED							
UNLESS OTHERWISE SPECIFIED							
TOLERANCES: (INCHES)							
FRAC.	+/- 1/32	TITLE Shelf Support, Outer					
.00	+/- .01						
.000	+/- .005	SIZE C	DWG NO FE-00103	REV 1			
ANGULAR	+/- .25 Deg.	SCALE		SHEET 1 OF 5			

4 3 2 1

D

D



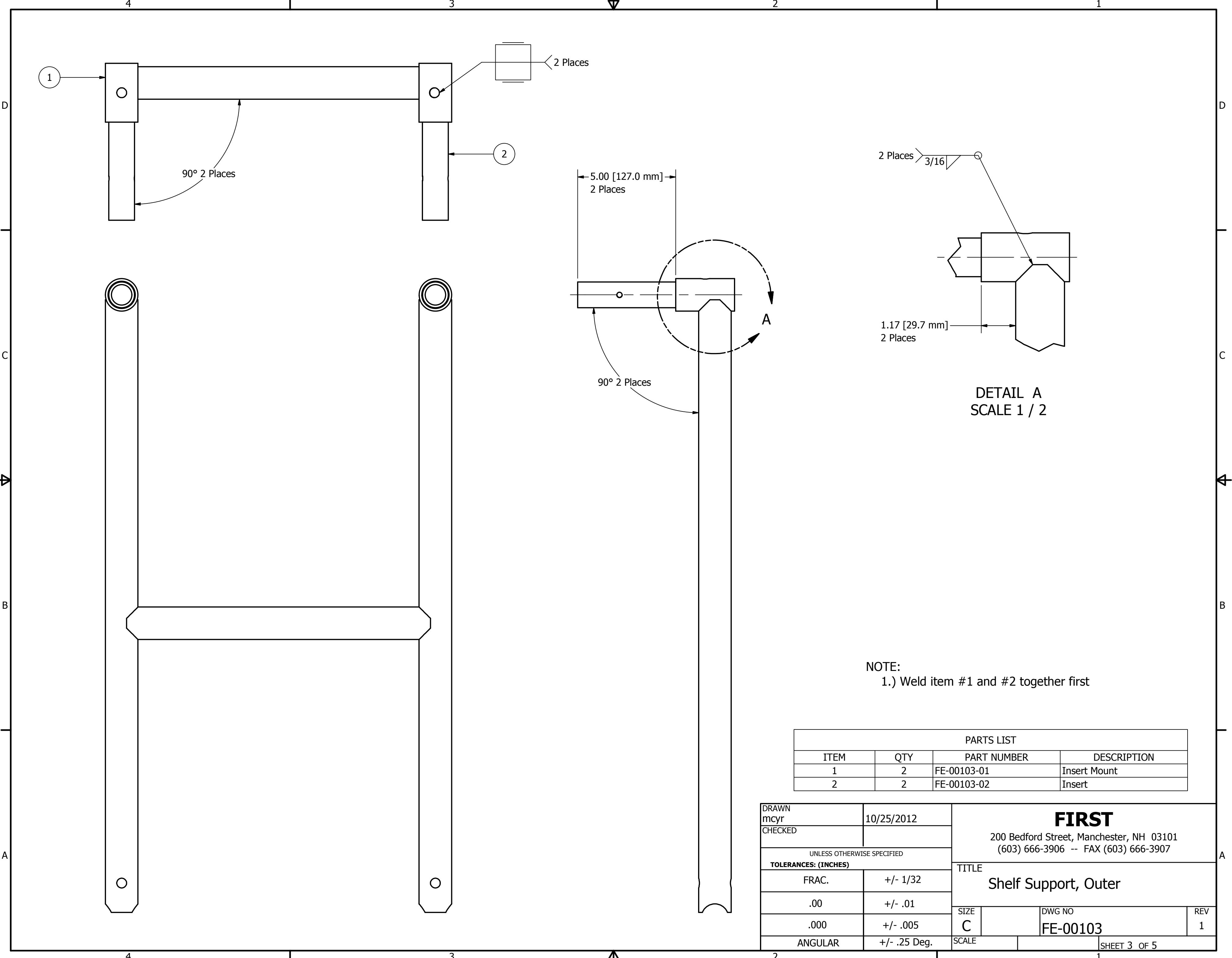
PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
3	2	FE-00103-03	Vertical Support
4	1	FE-00103-04	Horizontal Support

DRAWN mcyr	10/25/2012	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
			FE-00103	1
			SHEET 2 OF 5	

4 3 2 1

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A



4

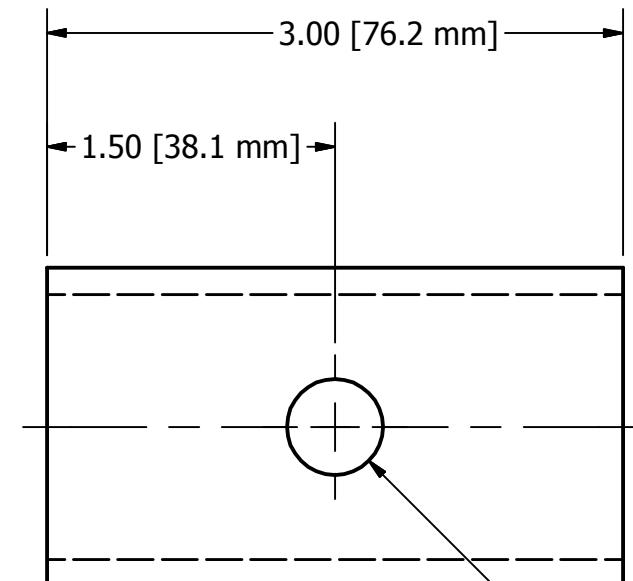
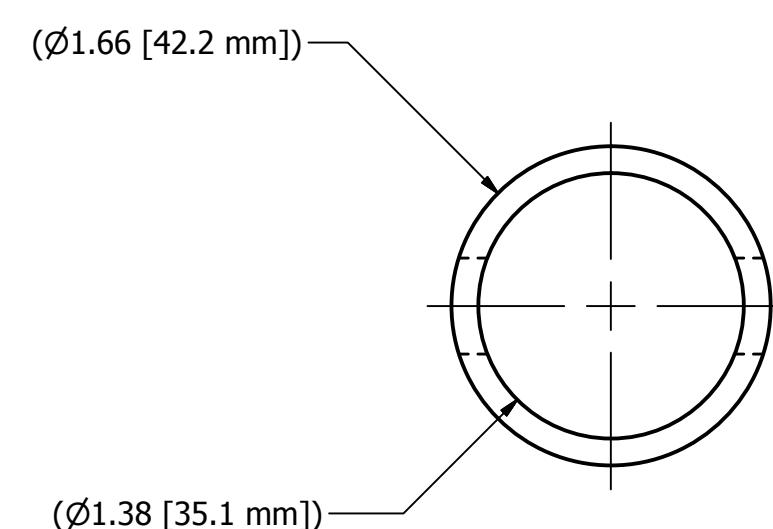
3

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D



Ø.50 [12.7 mm] Thru

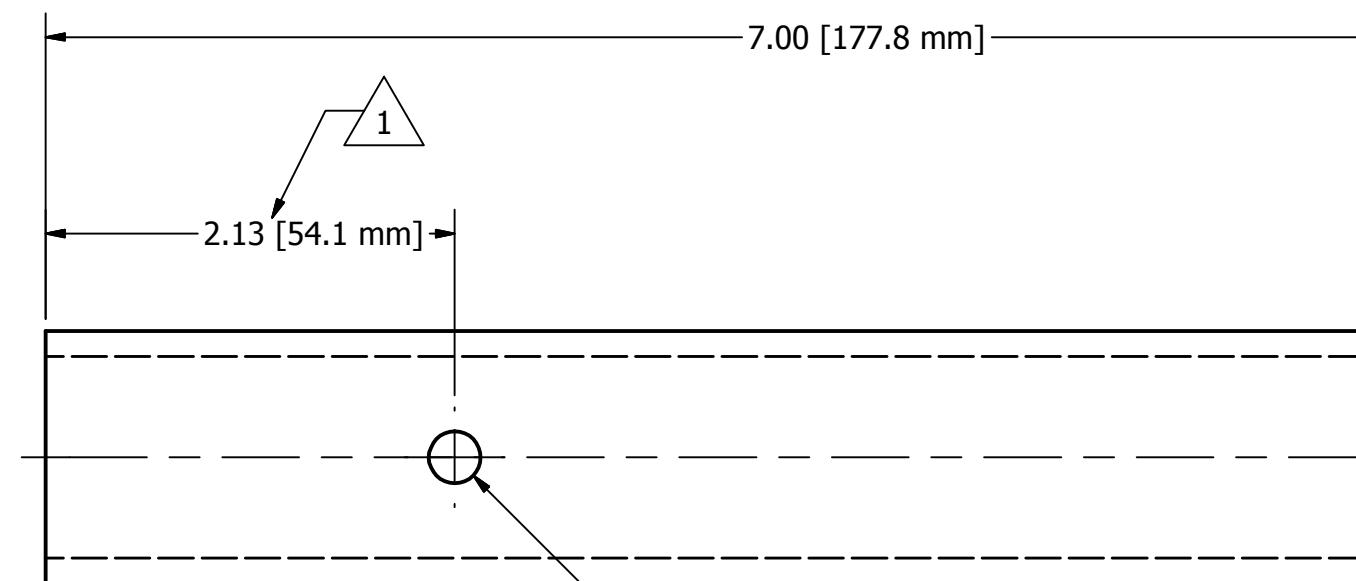
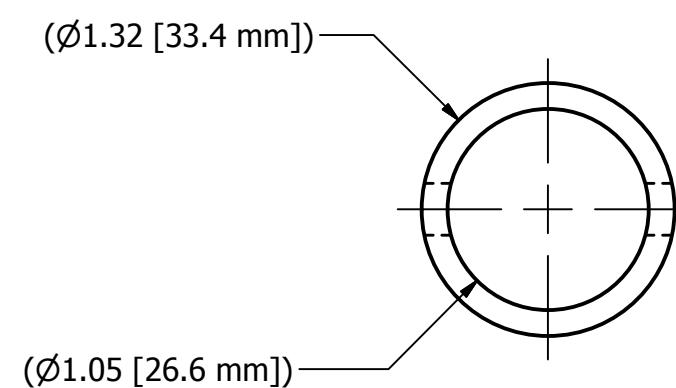
C

C

Item: 1, FE-00103-01, Insert Mount
Material: 1-1/4" Schedule 40, 6061-T6 Aluminum
Scale: 1/1
QTY: 2

A

A



Ø.27 [6.9 mm] Thru

A

A

Item: 2, FE-00103-02, Insert
Material: 1" Schedule 40, 6061-T6 Aluminum
Scale: 1/1
QTY: 2

DRAWN mcyr	10/25/2012	FIRST 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
CHECKED				
UNLESS OTHERWISE SPECIFIED				
TOLERANCES: (INCHES)		TITLE		
FRAC.	+/- 1/32	Shelf Support, Outer		
.00	+/- .01	SIZE		
.000	+/- .005	DWG NO		
ANGULAR	+/- .25 Deg.	SCALE	FE-00103	
		SHEET 4 OF 5		REV 1

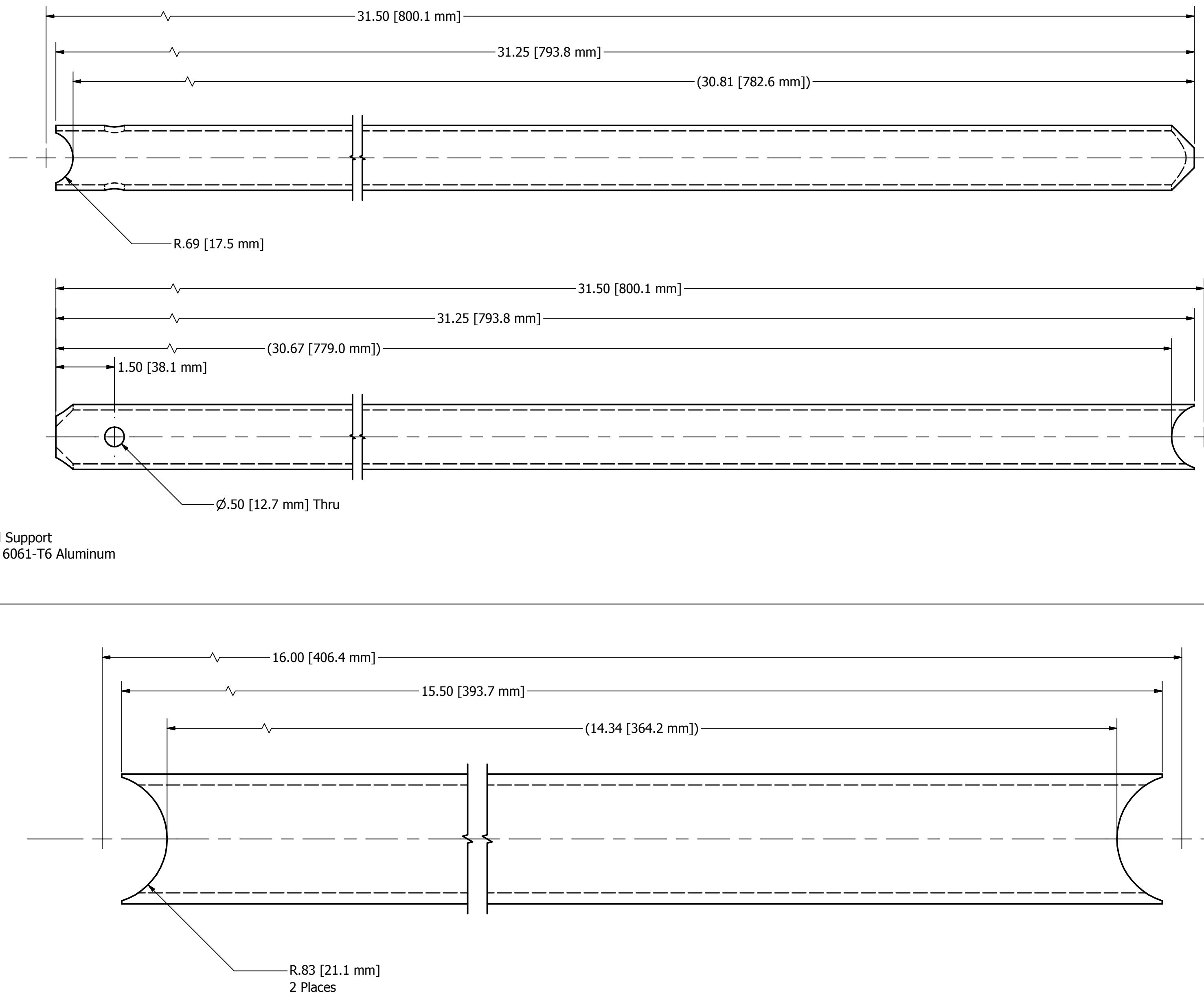
4

3

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A



DRAWN mcyr	10/25/2012	FIRST		
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
UNLESS OTHERWISE SPECIFIED				
TOLERANCES: (INCHES)		TITLE		
FRAC.	$+\/- 1/32$	Shelf Support, Outer		
.00	$+\/- .01$	SIZE	DWG NO	REV
.000	$+\/- .005$	C	FE-00103	1
ANGULAR	$+\/- .25$ Deg.	SCALE		SHEET 5 OF 5

4

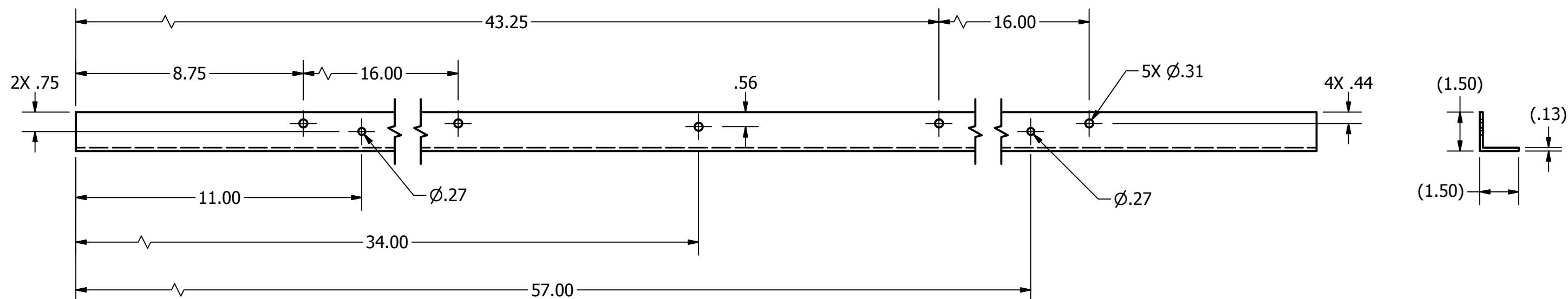
3

2

1

B

B



Notes:

1. Material: 1-1/2" x 1/8" thick, 6063-T52 Aluminum Architectural Angle.
2. Remove all burrs and sharp edges.
3. Finish: none

DRAWN dfoster	12/17/2012	FIRST			
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907			
UNLESS OTHERWISE SPECIFIED					
TOLERANCES: (INCHES)		TITLE			
FRAC.	+/- 1/32	Light Hanger			
.00	+/- .01	SIZE			
.000	+/- .005	B	DWG NO		
ANGULAR	+/- .25 Deg.	FE-00104		REV	
SCALE				SHEET 1 OF 1	

4

3

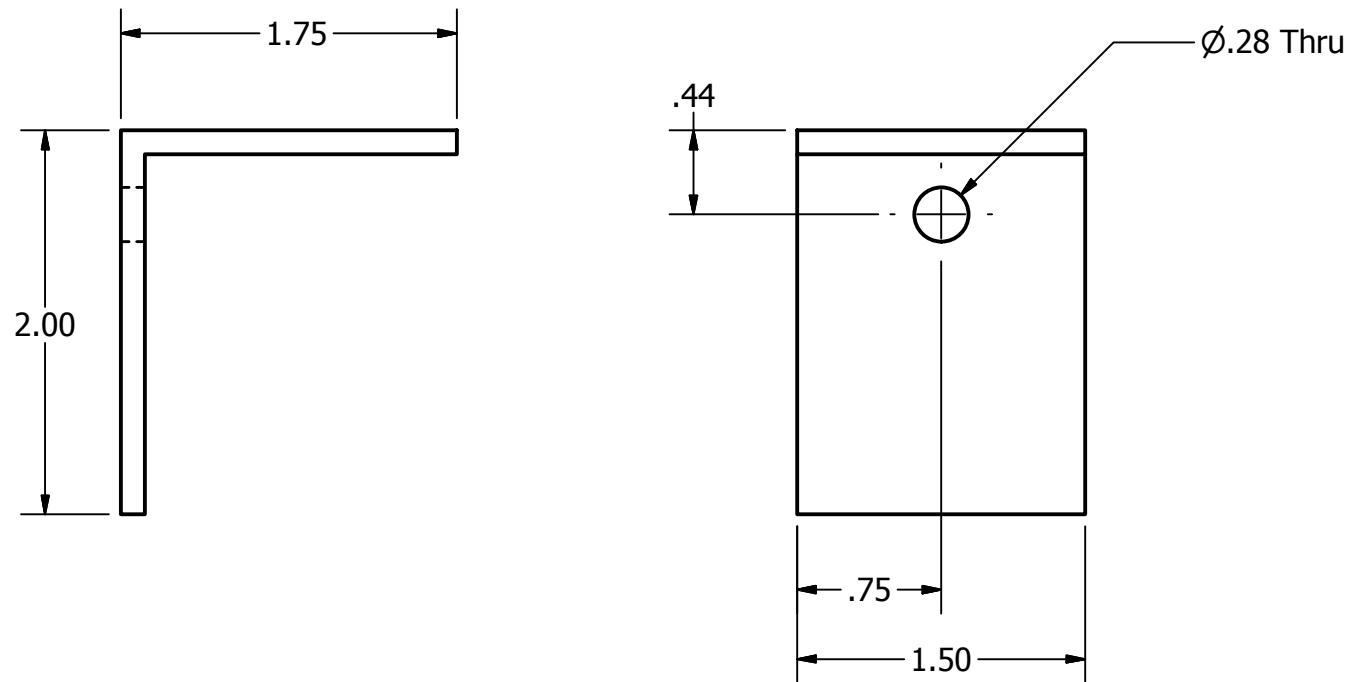
4

2

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2

1



B

B

A

A

DRAWN mcyr	12/12/2012
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

Clamping Angle

SIZE	DWG NO	REV
A	FE-00105	
SCALE		SHEET 1 OF 1

2

1

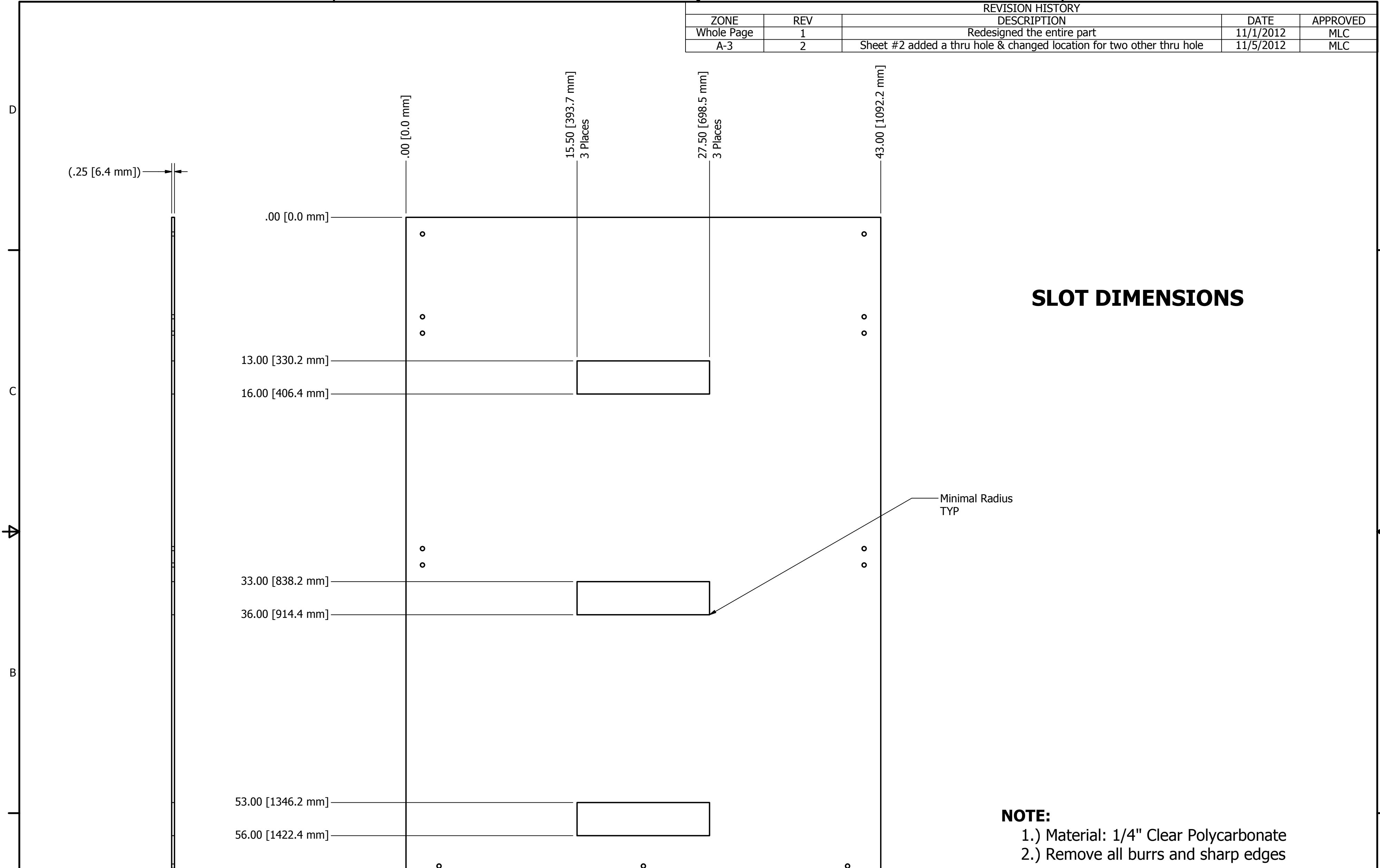
A

4

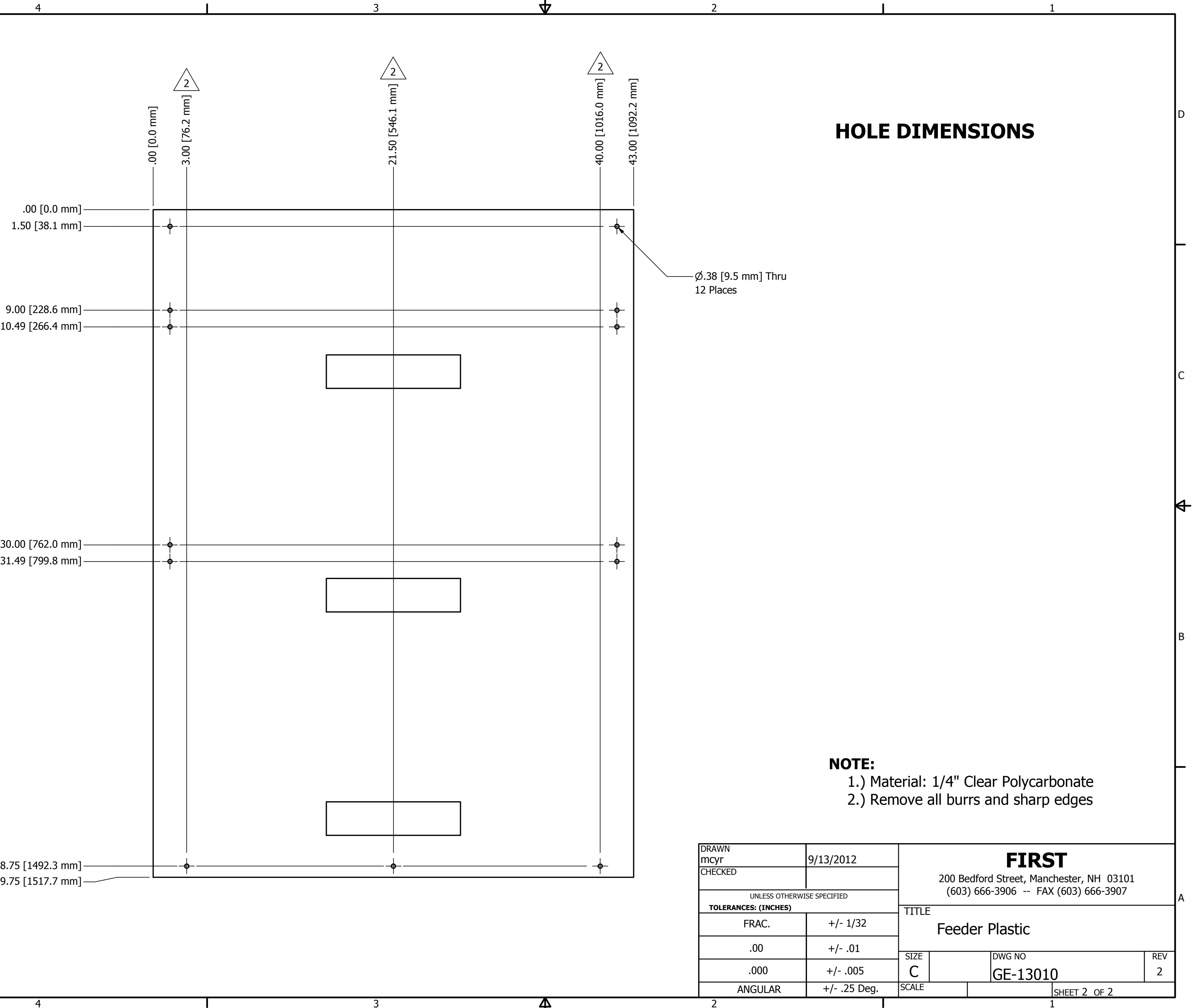
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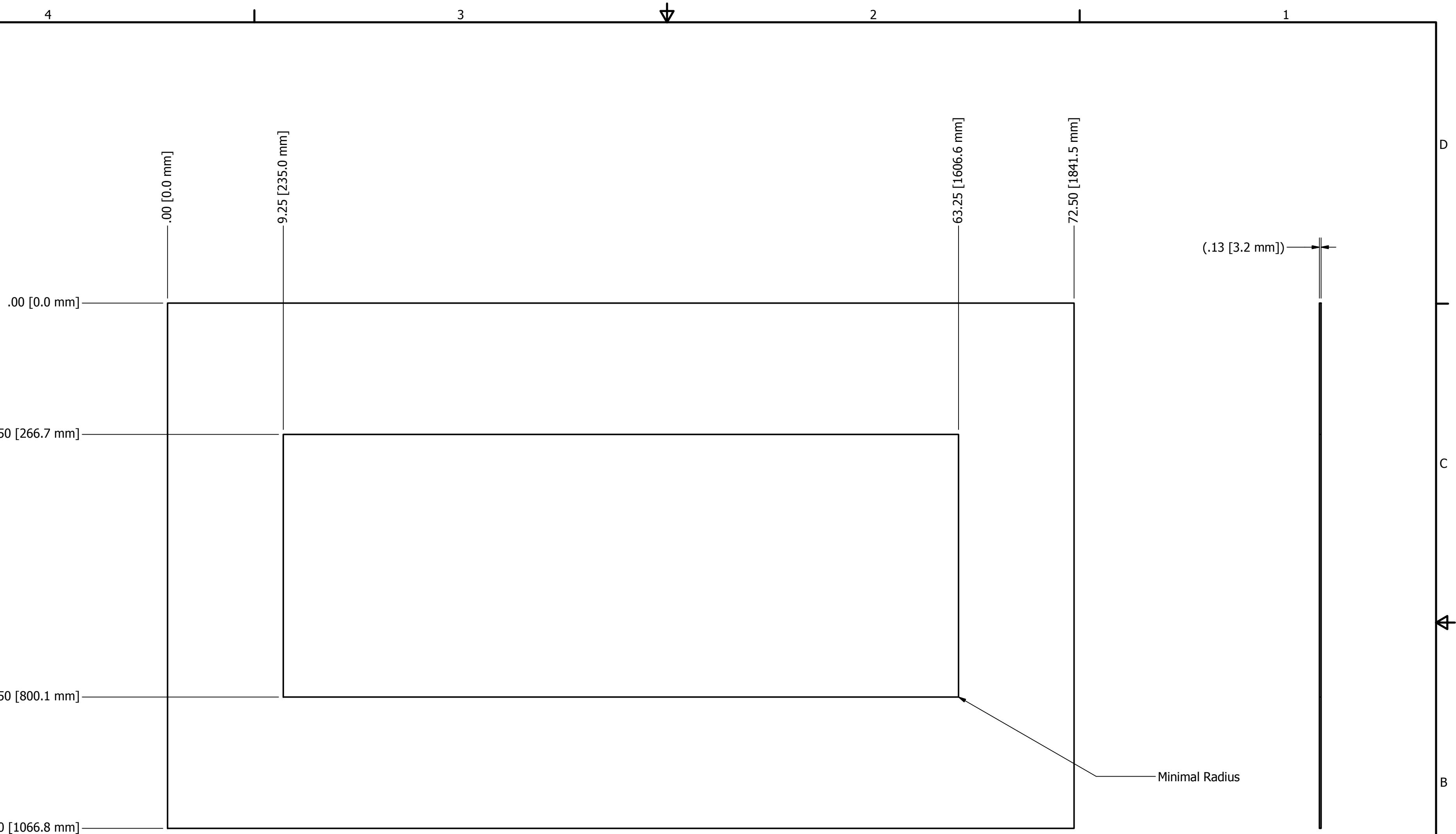
2

1



DRAWN mcyr	9/13/2012	FIRST		
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
UNLESS OTHERWISE SPECIFIED				
TOLERANCES: (INCHES)		TITLE	Feeder Plastic	
FRAC.	+/- 1/32			
.00	+/- .01	SIZE	DWG NO	REV
.000	+/- .005	C	GE-13010	2
ANGULAR	+/- .25 Deg.	SCALE		SHEET 1 OF 2



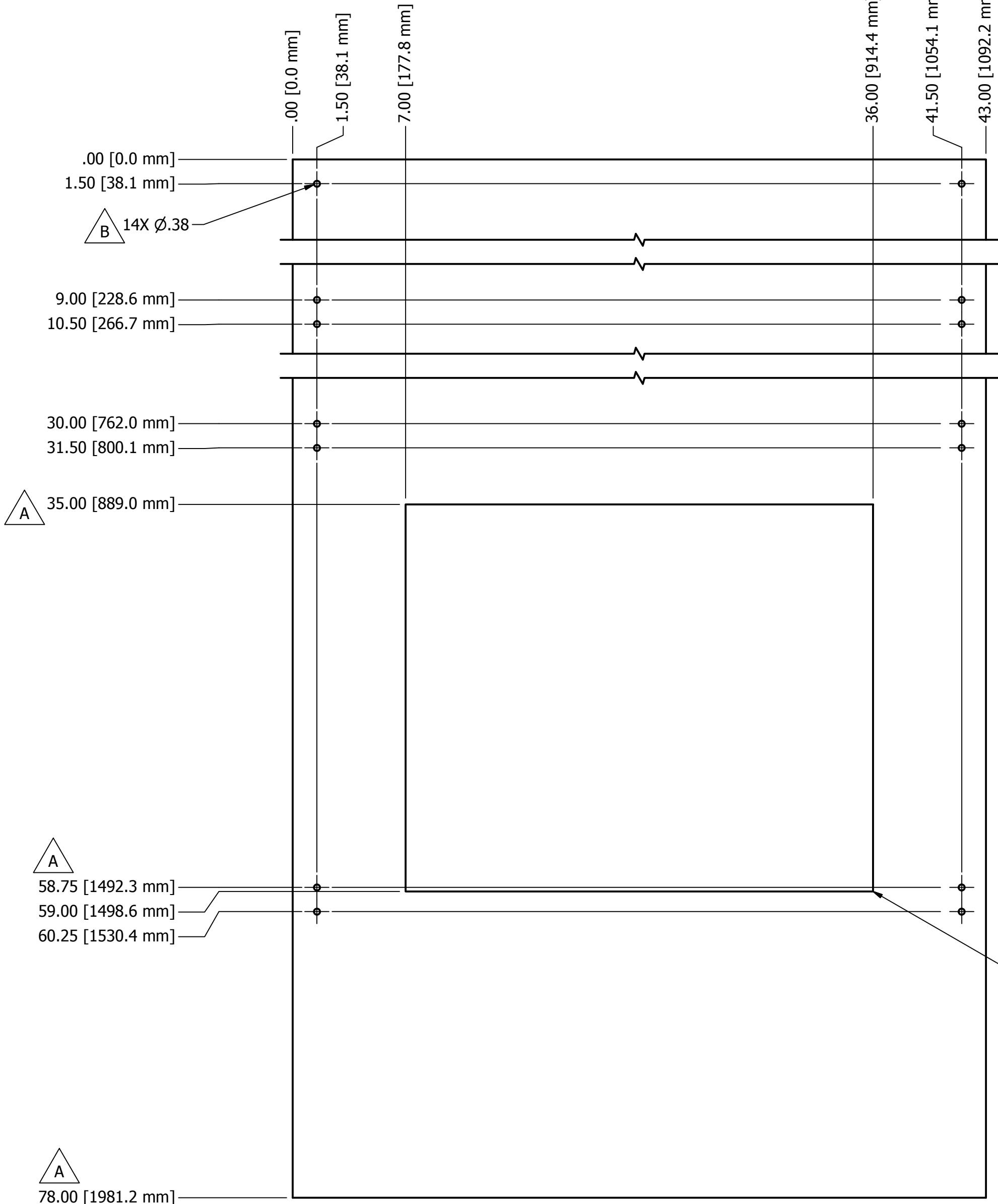


NOTE:

- 1.) Material: 1/8" HDPE (red or blue)
- 2.) Remove all burrs and sharp edges

DRAWN mcyr	9/14/2012	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-13011				
			SHEET 1 OF 1				

4	3	2	1
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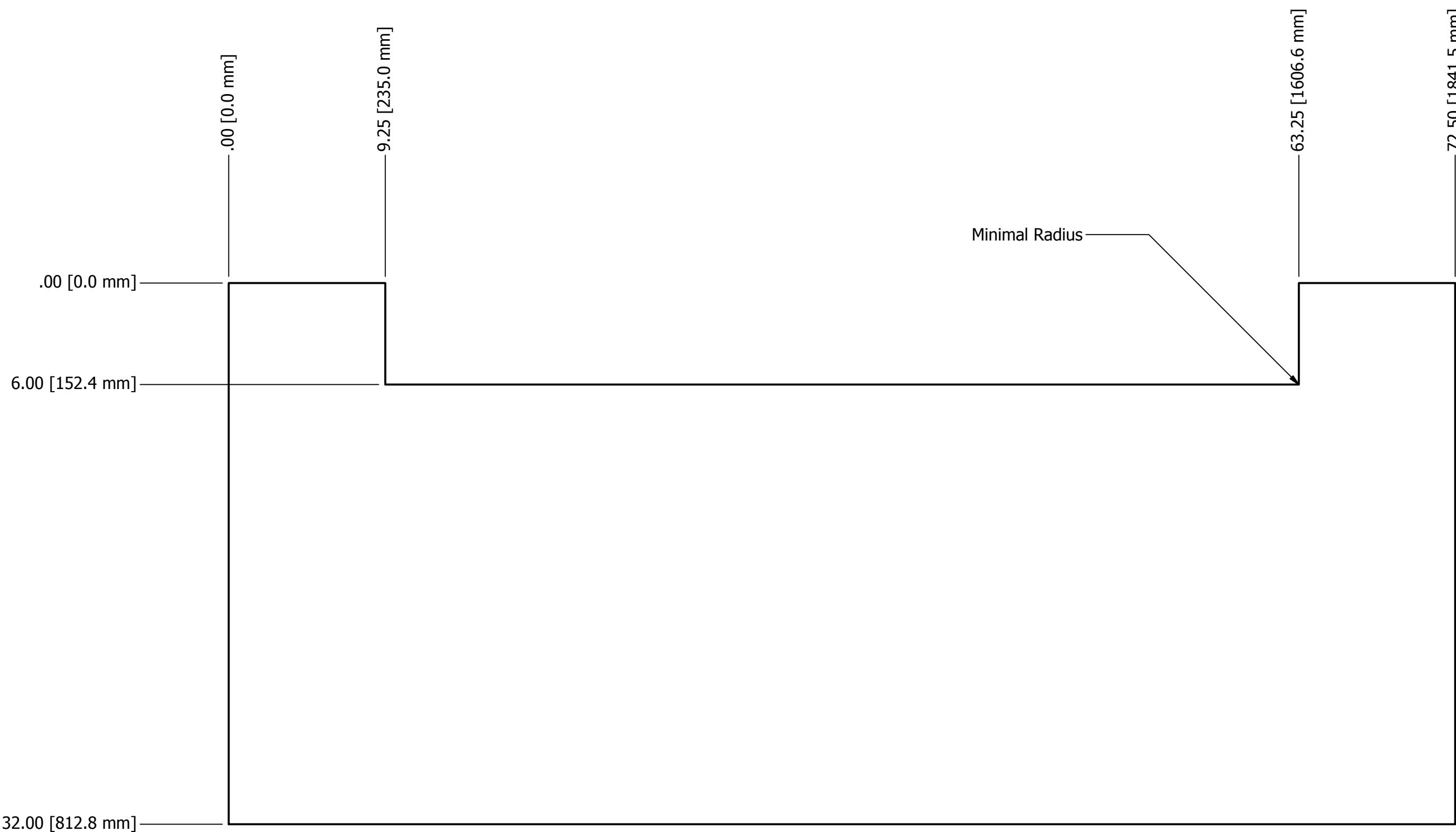


NOTE:

- 1.) Material: 1/8" HDPE (red or Blue)
- 2.) Remove all burrs and sharp edges

REVISION HISTORY		DATE	APPROVED
ZONE	REV	DESCRIPTION	
C-4, B-4, A-4	A	35.00 was 16.00, 59.00 was 40.00, 78.00 was 59.00	10/30/2012 DAF
-	B	Added .38" diam holes	12/29/2012 DAF

DRAWN mcyr	9/17/2012	FIRST					
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907					
UNLESS OTHERWISE SPECIFIED							
TOLERANCES: (INCHES)							
FRAC.	+/- 1/32	TITLE					
.00	+/- .01	Corner Goal Plastic					
.000	+/- .005	SIZE	DWG NO	REV			
ANGULAR	+/- .25 Deg.	C	GE-13012	B			
SCALE							
SHEET 1 OF 1							



NOTE:

- 1.) Material: 1/8" HDPE (red or blue)
- 2.) Remove all burrs and sharp edges

DRAWN mcyr	9/17/2012	FIRST		
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
UNLESS OTHERWISE SPECIFIED				
TOLERANCES: (INCHES)		TITLE		
FRAC.	+/- 1/32	Center Goal Plastic		
.00	+/- .01	SIZE		
.000	+/- .005	DWG NO		
ANGULAR	+/- .25 Deg.	SCALE		REV
			GE-13013	
			SHEET 1 OF 1	

4 3 2 1

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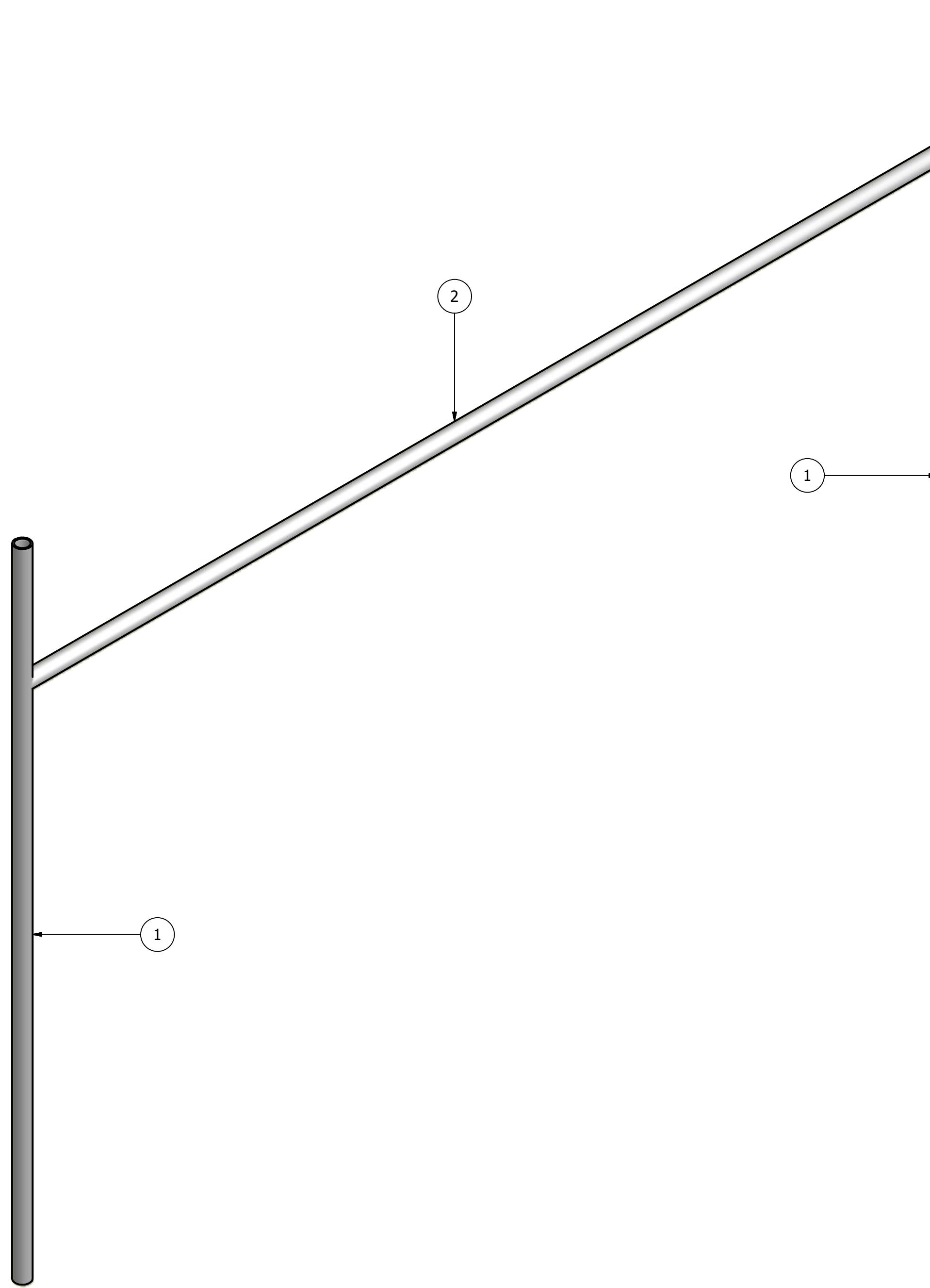
C

B

B

A

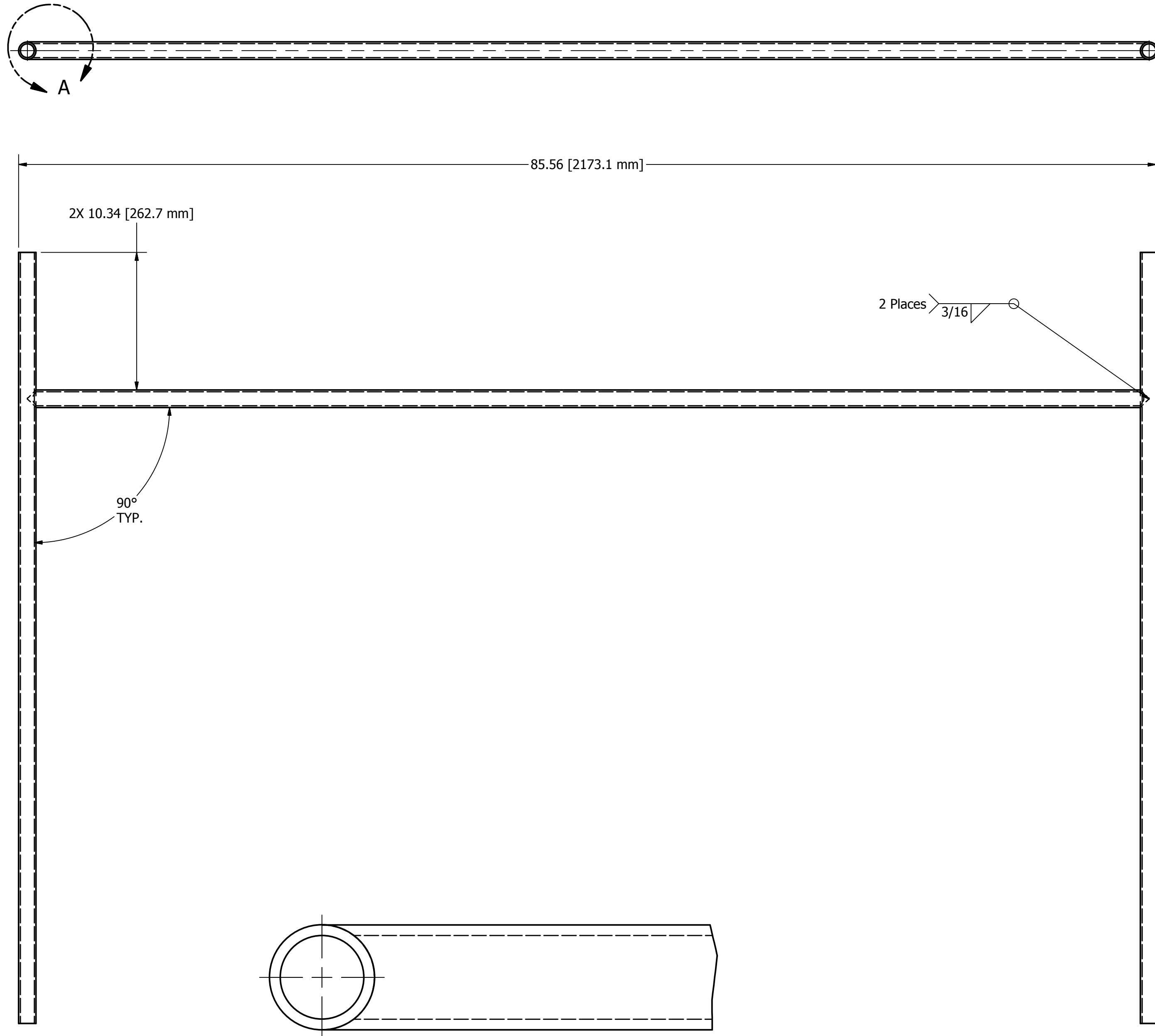
A



RESOURCES		
Resource	Material	QTY
1	1" Schedule 40, 6061 Aluminum Pipe	17 Feet

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	GE-13014-01	Sides
2	1	GE-13014-02	Top

DRAWN mcyr	10/1/2012	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-13014	
				SHEET 1 OF 3



DRAWN mcyr	10/1/2012	FIRST					
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907					
UNLESS OTHERWISE SPECIFIED							
TOLERANCES: (INCHES)							
FRAC.	$+\/- \frac{1}{32}$	TITLE					
.00	$+\/- .01$	Corner Goal, Upper Frame					
.000	$+\/- .005$	SIZE C	DWG NO GE-13014	REV			
ANGULAR	$+\/- .25$ Deg.	SCALE	SHEET 2 OF 3				

4

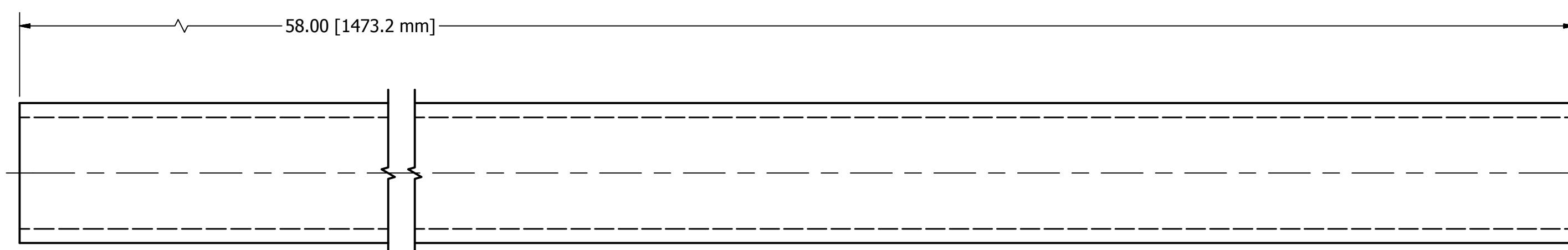
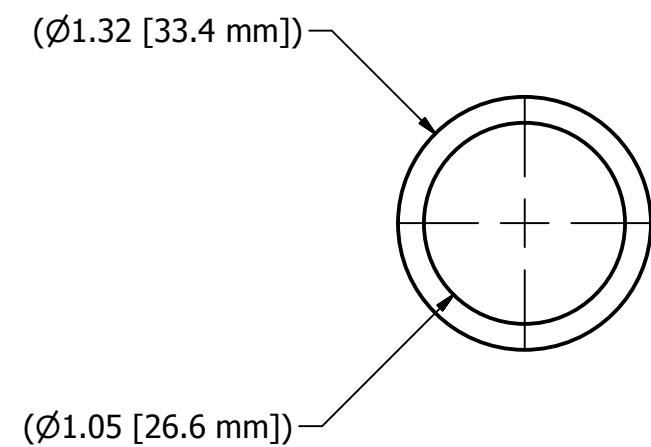
3

2

1

D

D

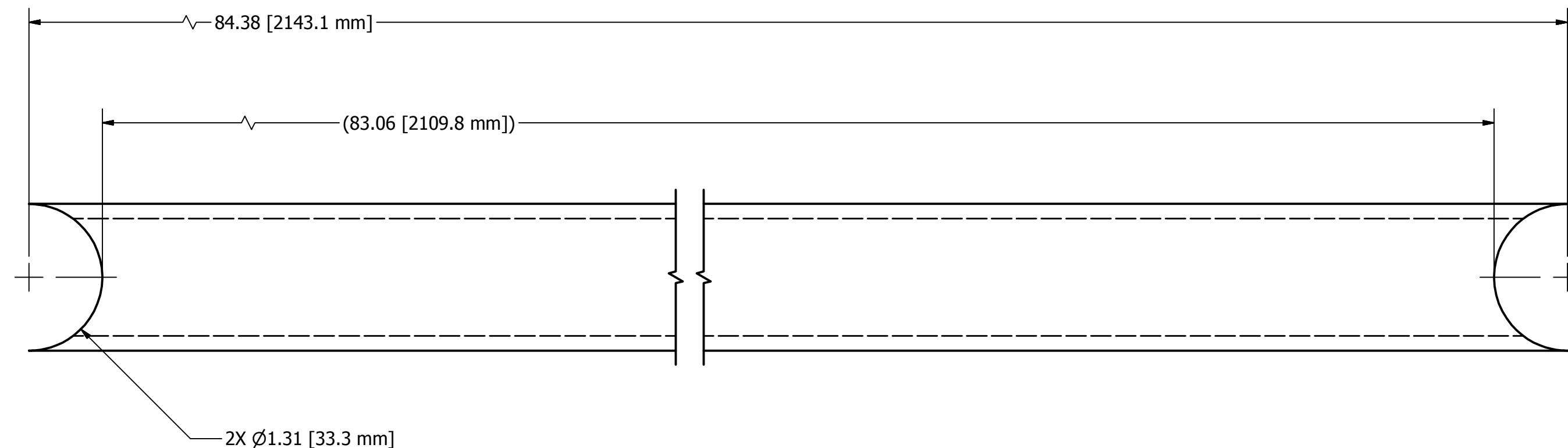
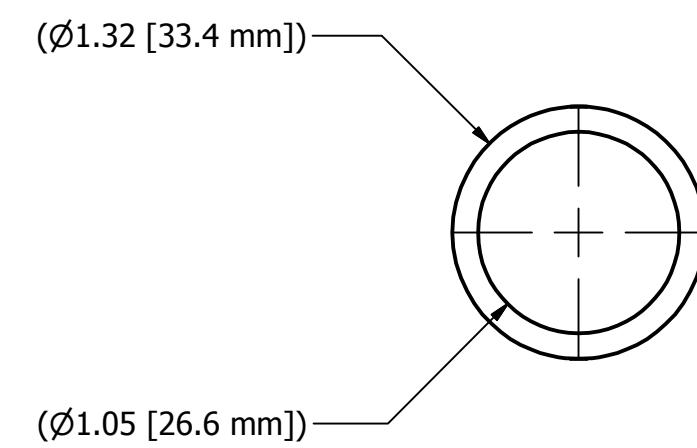


C

C

B

B



A

A

Item: 1 GE-13014-01, Sides
Scale: 1/1
QTY: 2

DRAWN mcyr	10/1/2012	FIRST				
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907				
UNLESS OTHERWISE SPECIFIED						
TOLERANCES: (INCHES)			TITLE			
FRAC.	+/- 1/32	Corner Goal,Upper Frame				
.00	+/- .01					
.000	+/- .005	SIZE	DWG NO	REV		
ANGULAR	+/- .25 Deg.	C	GE-13014			
SCALE			SHEET 3 OF 3			

4

3

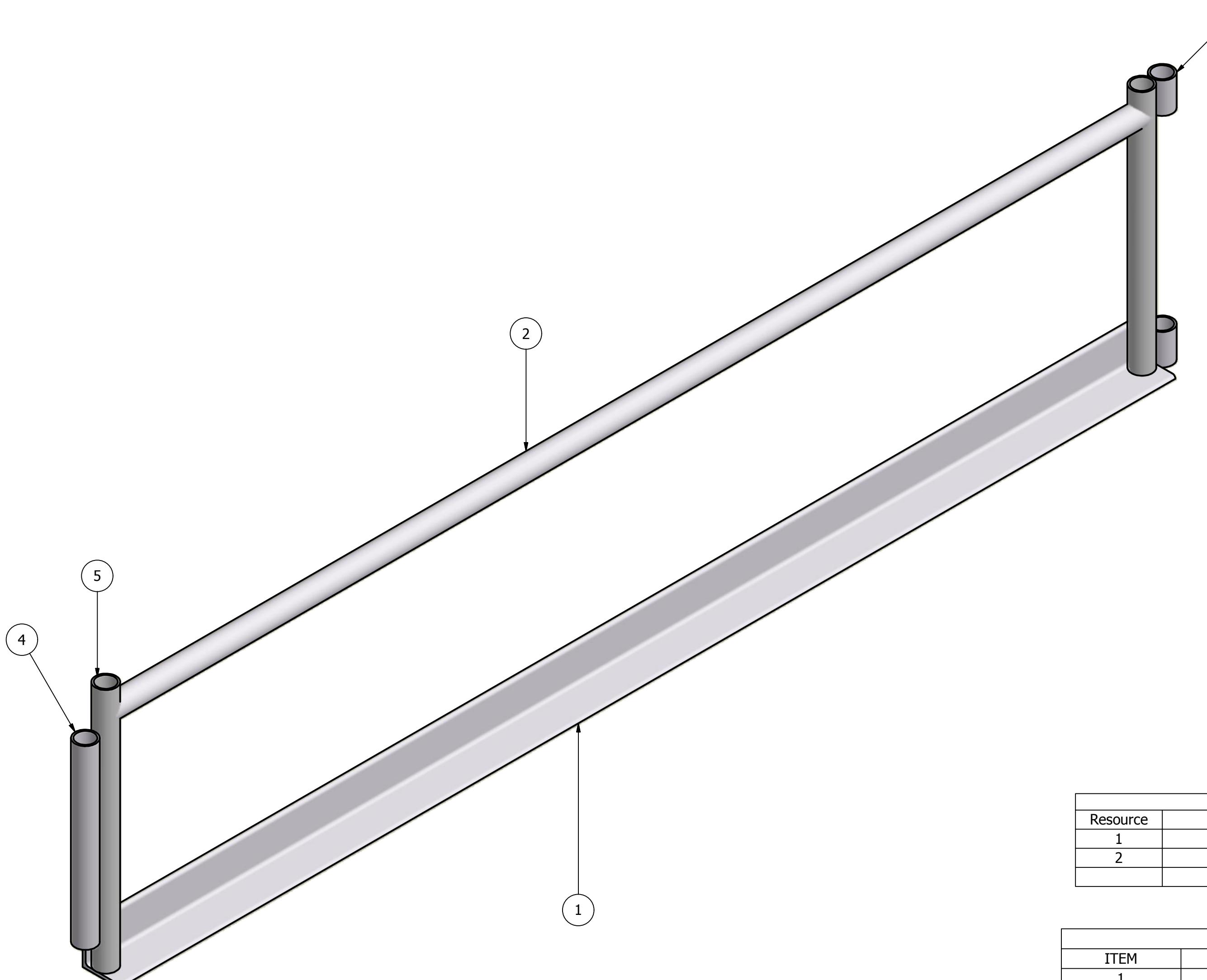
2

1

4

4 3 2 1

REVISION HISTORY		DESCRIPTION	DATE	APPROVED
ZONE	REV			
	1	Added Not to Drawing 2 & 3	10/1/2012	MLC



RESOURCE		
Resource	Material	QTY
1	3" x 3" x 1/4" 6061 Aluminum Angle	7-1/2 Feet
2	1-1/4 Schedule 40 Aluminum Tube	12- 1/2 Feet

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	GE-13015-01	Bottom Rail, Field Rail
2	1	GE-13015-02	Top Rail
3	2	GE-13015-03	Attachment Tube, Short
4	1	GE-13015-04	Attachment Tube, Long
5	2	GE-13015-05	Vertical Sides

DRAWN mcyr	9/18/2012	FIRST 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907					
CHECKED							
UNLESS OTHERWISE SPECIFIED							
TOLERANCES: (INCHES)							
FRAC.	+/- 1/32	TITLE Corner Goal, Lower Frame, Left					
.00	+/- .01						
.000	+/- .005	SIZE C	DWG NO GE-13015	REV 1			
ANGULAR	+/- .25 Deg.	SCALE		SHEET 1 OF 5			

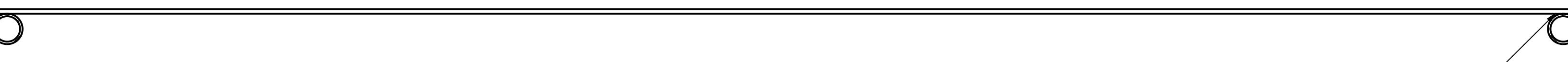
4

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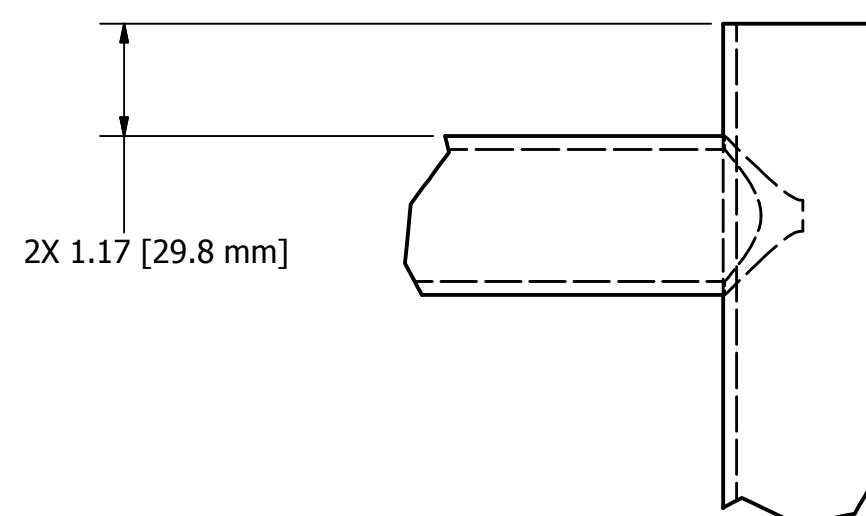
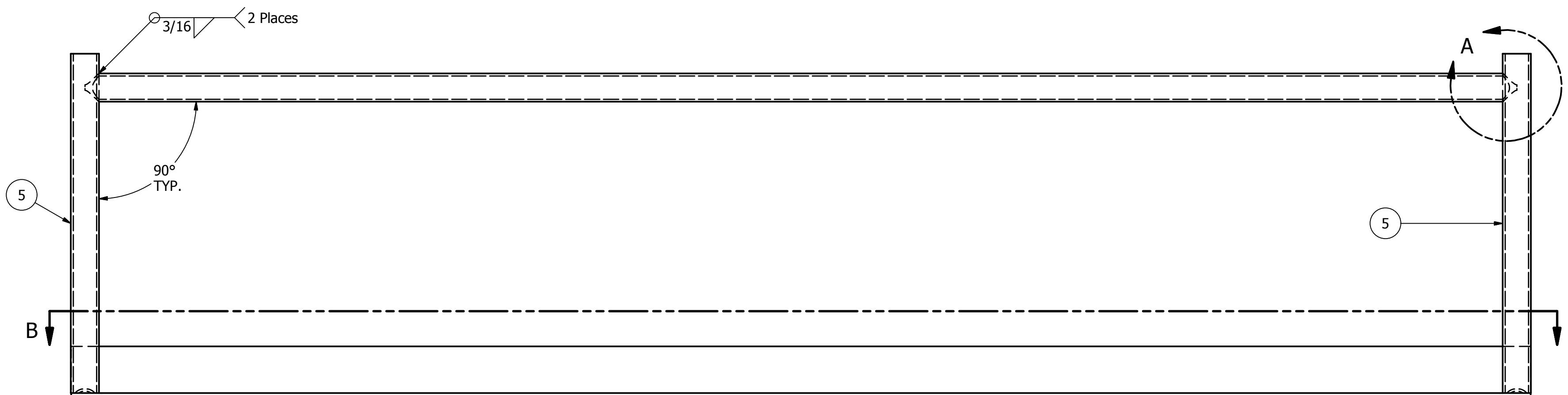
1

D



SECTION B-B
SCALE 1/5

2 Places $\frac{3}{16}$ $\frac{3}{16}$



DETAIL A
SCALE 1/2

NOTE:
1.) Weld not to penetrate into tube (item #5)

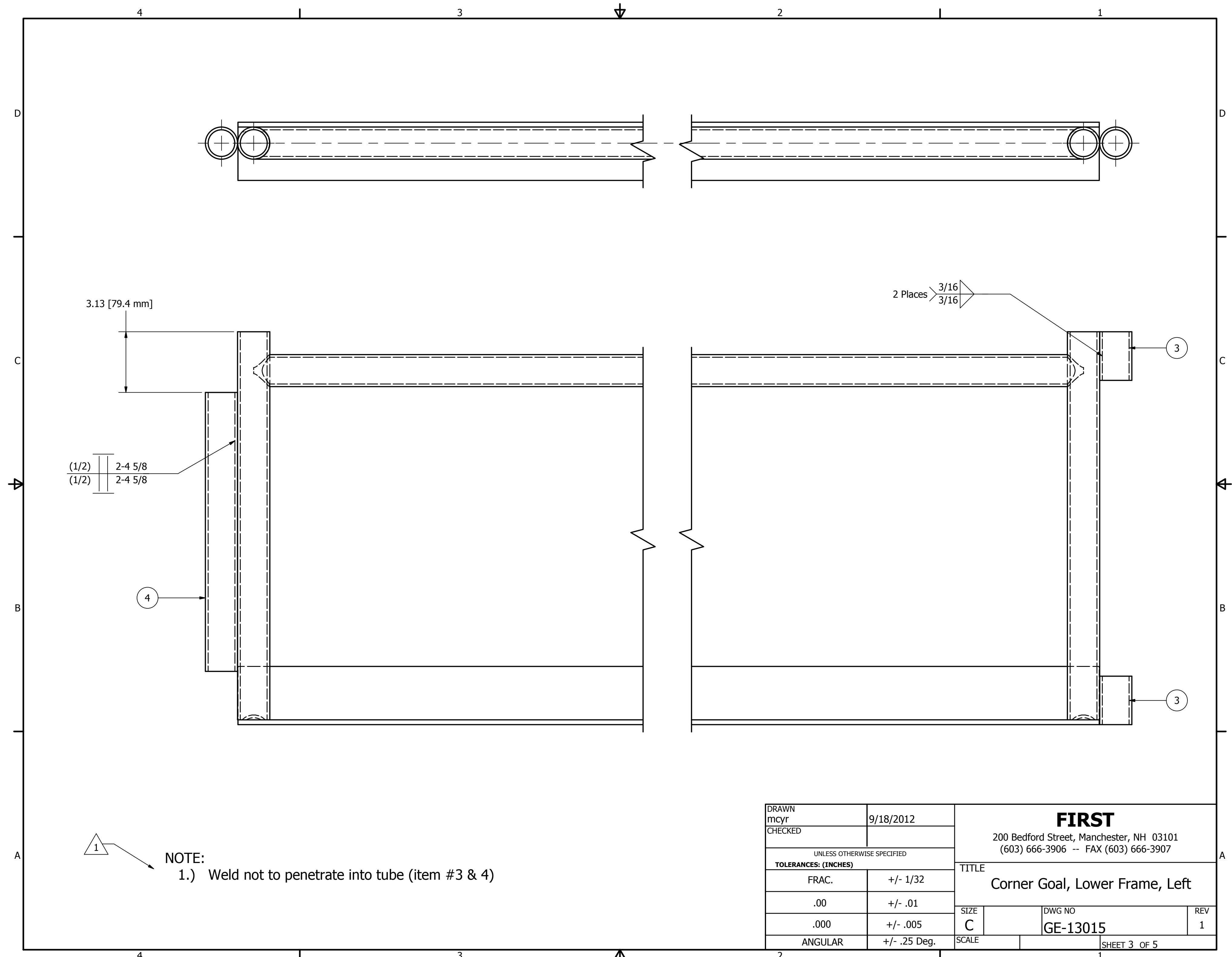
DRAWN mcyr	9/18/2012	FIRST		
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
UNLESS OTHERWISE SPECIFIED				
TOLERANCES: (INCHES)		TITLE		
FRAC.	$+\/- \frac{1}{32}$	Corner Goal, Lower Frame, Left		
.00	$+\/- .01$	SIZE	DWG NO	REV
.000	$+\/- .005$	C	GE-13015	1
ANGULAR	$+\/- .25$ Deg.	SCALE		SHEET 2 OF 5

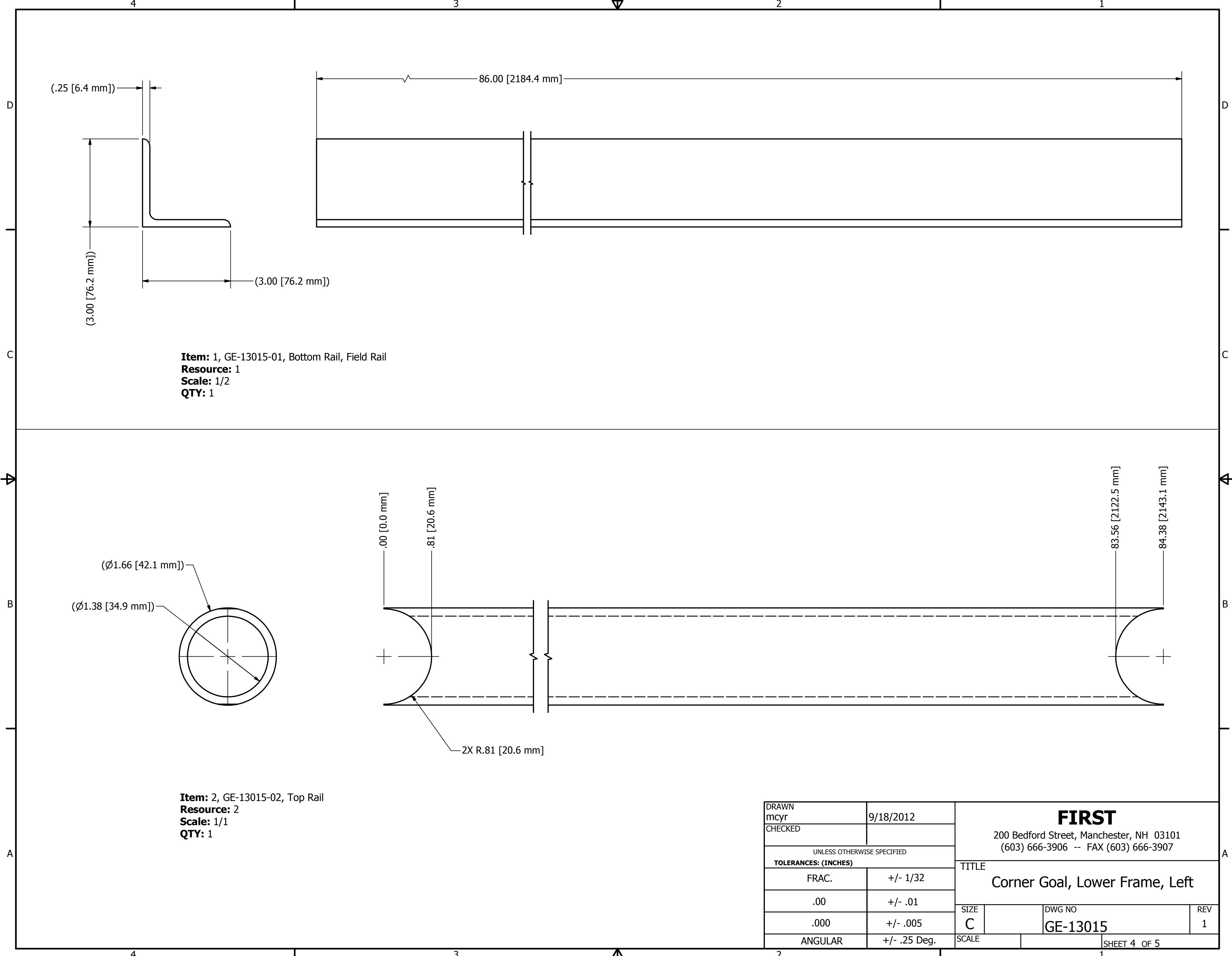
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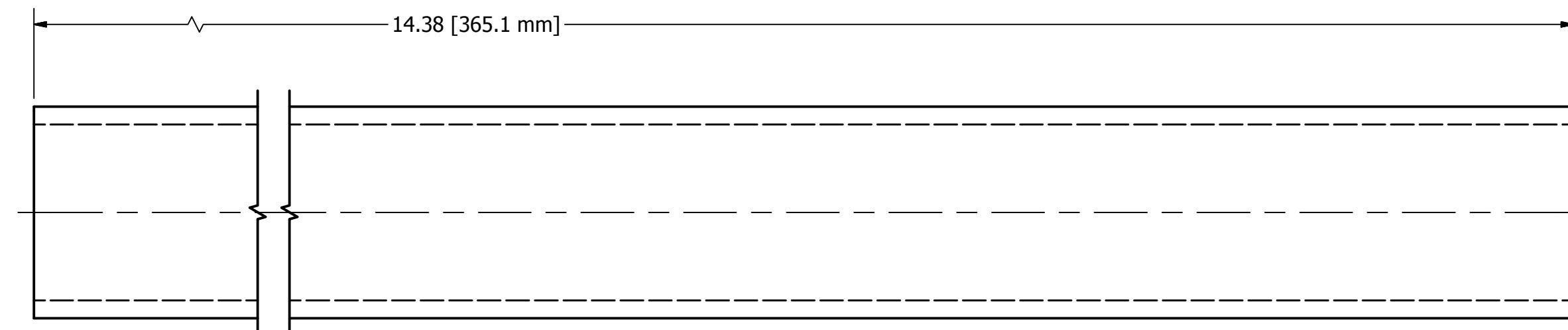
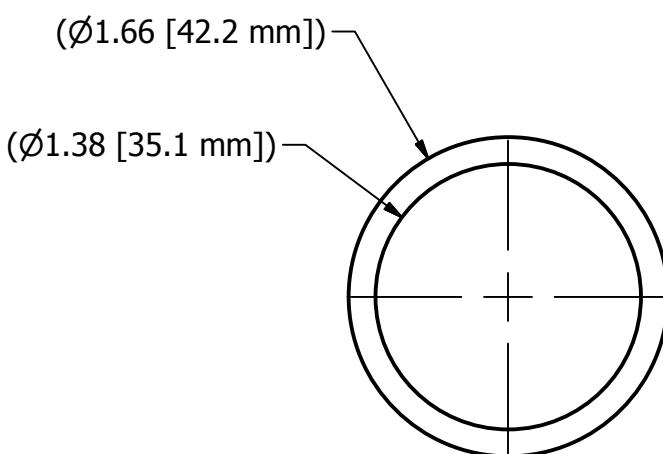


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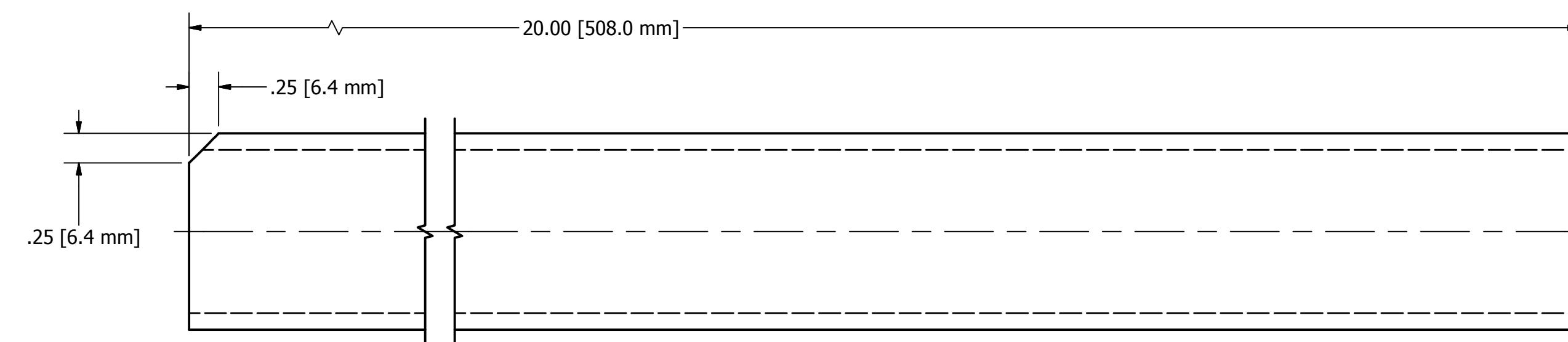
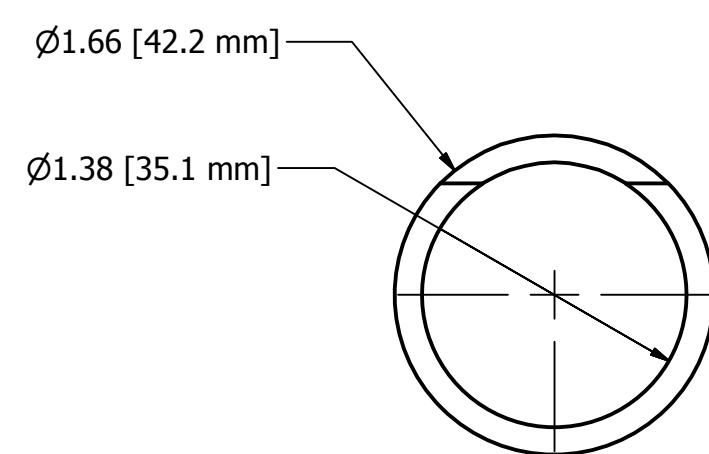


Item: 4, GE-13015-04, Attachment Tube, Long

Resource: 2

Scale: 1/1

QTY: 1

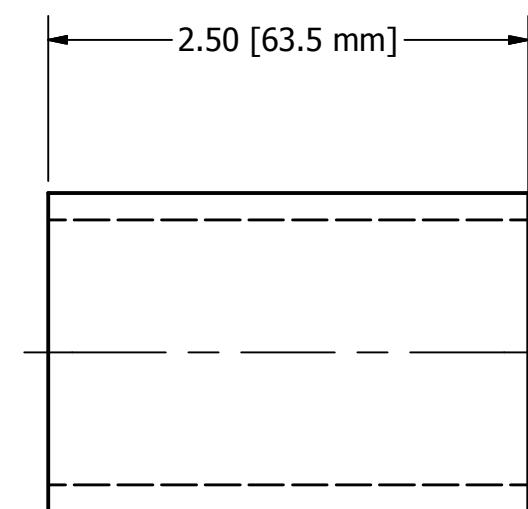
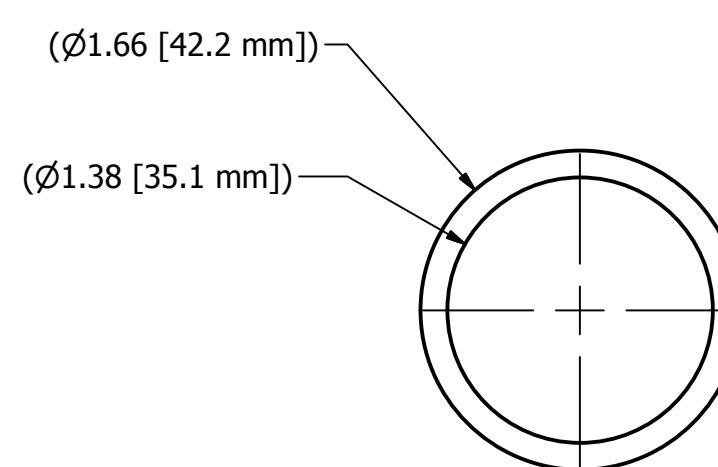


Item: 5, GE-13015-05, Vertical Sides

Resource: 2

Scale: 1/1

QTY: 2



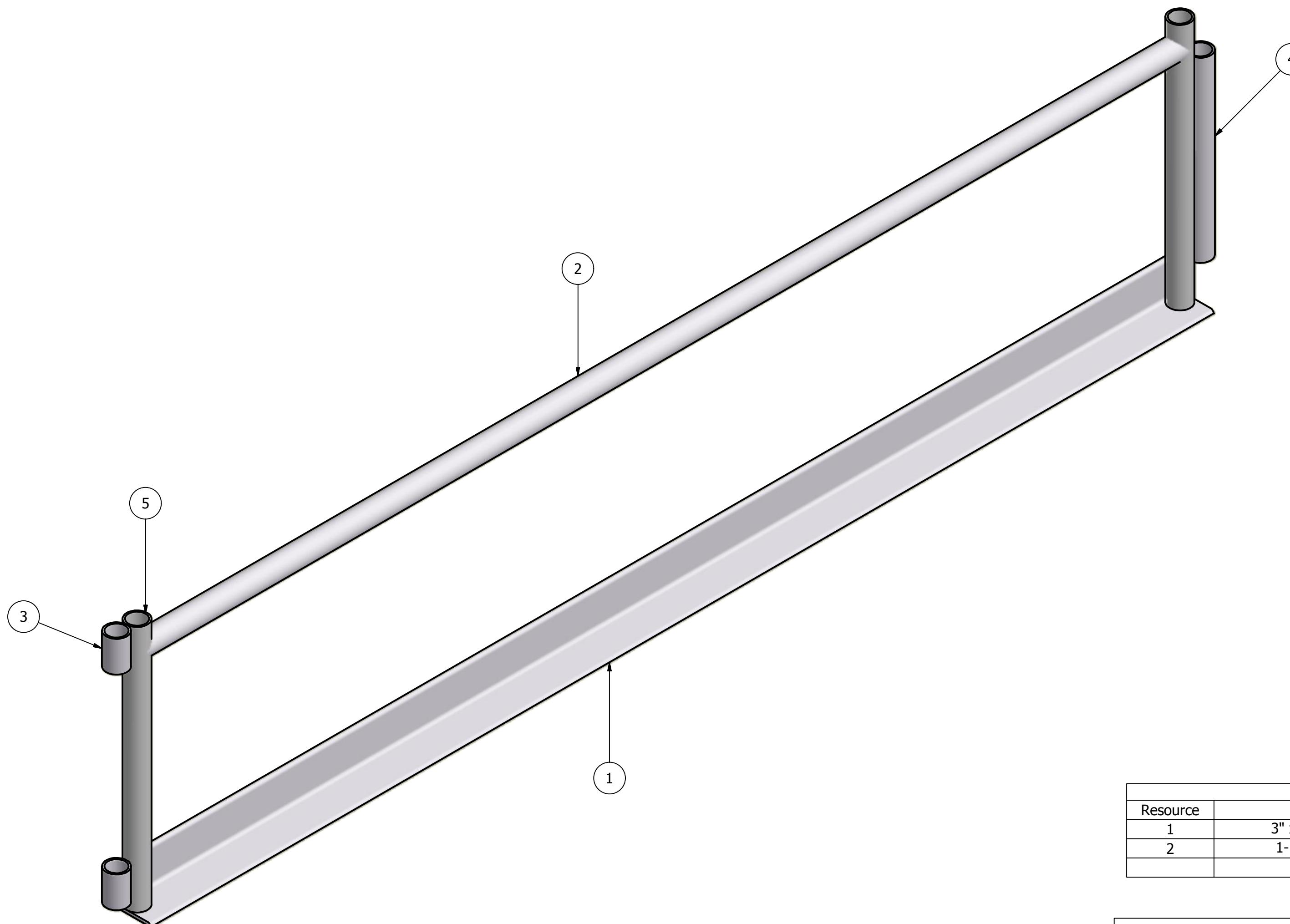
Item: 3, GE-13015-03, Attachment Tube, Short

Resource: 2

Scale: 1/1

QTY: 2

DRAWN mcyr	9/18/2012	FIRST					
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907					
UNLESS OTHERWISE SPECIFIED							
TOLERANCES: (INCHES)							
FRAC.	$+\/- 1/32$	TITLE					
.00	$+\/- .01$	Corner Goal, Lower Frame, Left					
.000	$+\/- .005$	SIZE		DWG NO			
ANGULAR	$+\/- .25$ Deg.	C		GE-13015			
		SCALE		REV			
		1					
		SHEET 5 OF 5					



RESOURCES		
Resource	Material	QTY
1	3" x 3" x 1/4" 6061 Aluminum Angle	7-1/2 Feet
2	1-1/4 Schedule 40 Aluminum Tube	12-1/2 Feet

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	GE-13015-01	Bottom Rail, Field Rail
2	1	GE-13015-02	Top Rail
3	2	GE-13015-03	Attachment Tube, Short
4	1	GE-13015-04	Attachment Tube, Long
5	2	GE-13015-05	Vertical Sides

DRAWN mcyr	9/20/2012	FIRST 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907					
CHECKED							
UNLESS OTHERWISE SPECIFIED							
TOLERANCES: (INCHES)							
FRAC.	+/- 1/32	TITLE Corner Goal. Lower Frame Right					
.00	+/- .01						
.000	+/- .005	SIZE C	DWG NO GE-13016	REV			
ANGULAR	+/- .25 Deg.	SCALE		SHEET 1 OF 5			

4

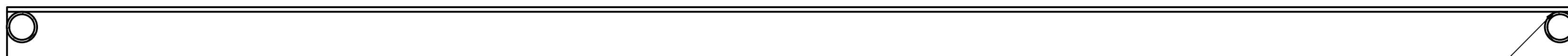
3

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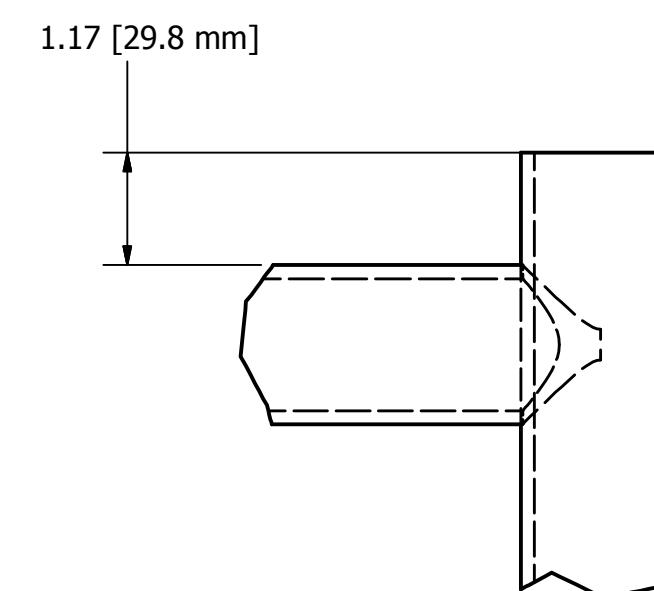
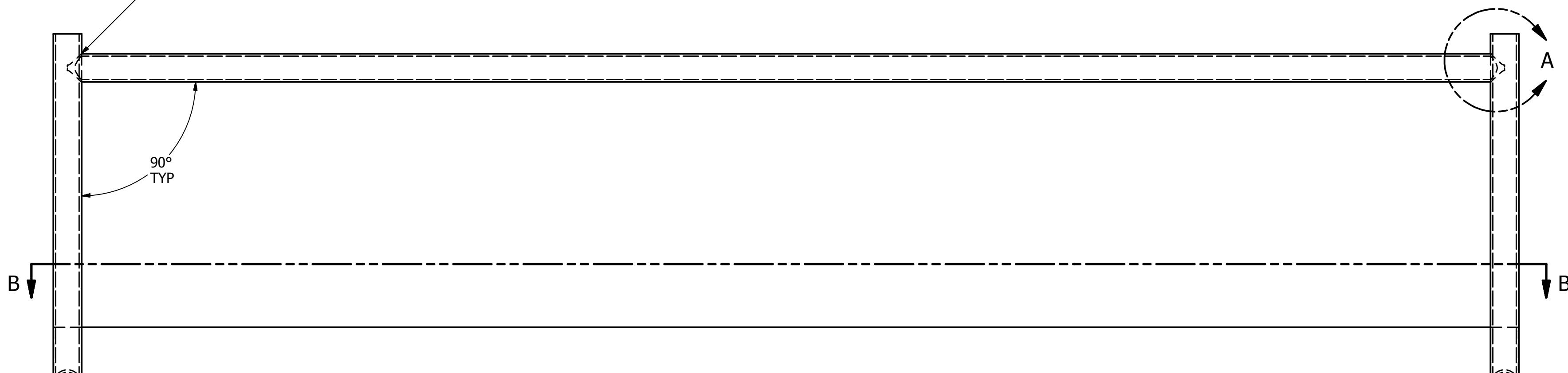


SECTION B-B
SCALE 1/5

2 Places 3/16

3/16
2 Places

90°
TYP



DETAIL A
SCALE 1/2

DRAWN mcyr	9/20/2012	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-13016				
				SHEET 2 OF 5			

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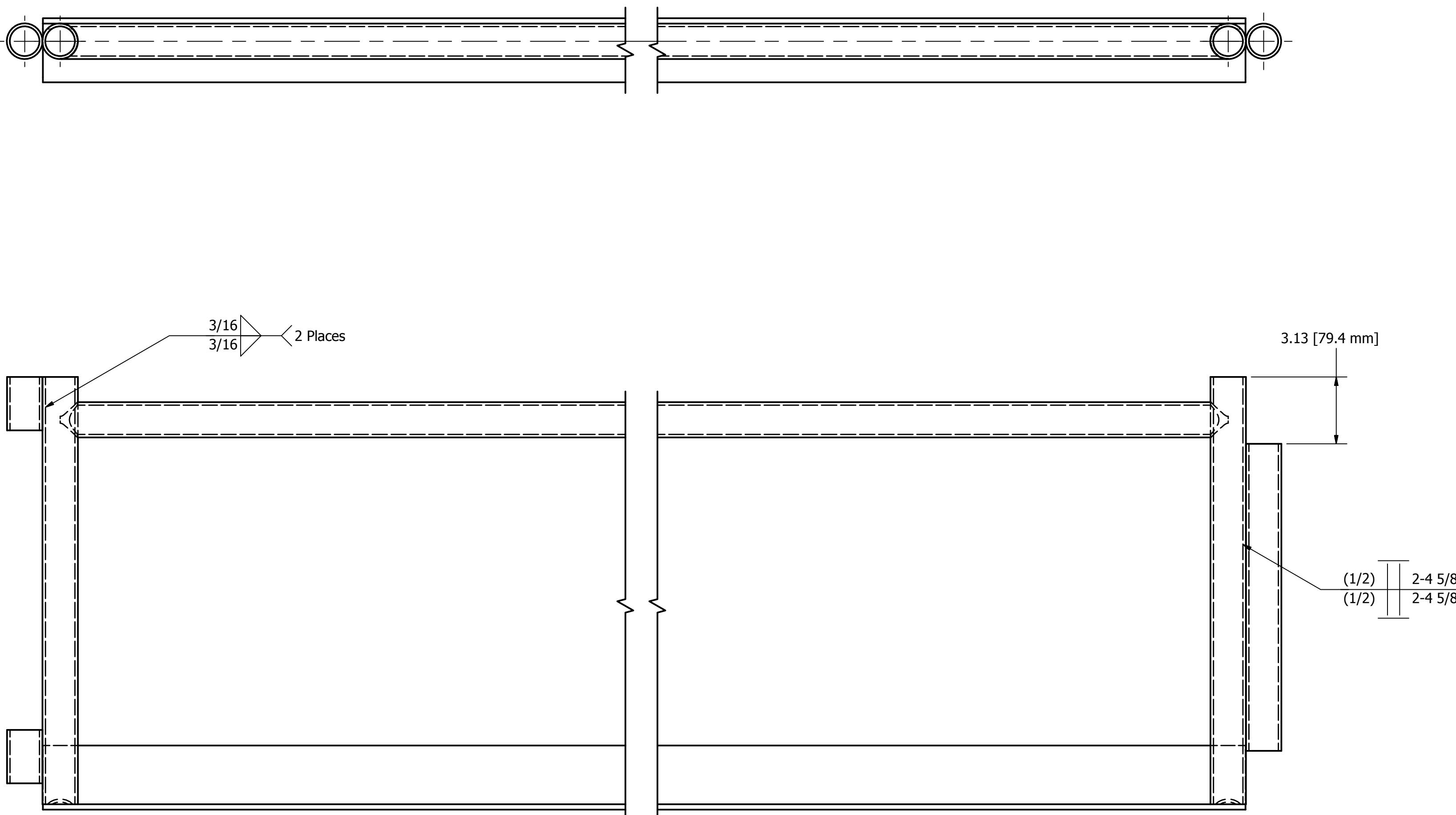
C

B

B

A

A



DRAWN mcyr	9/20/2012	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-13016				
				SHEET 3 OF 5			

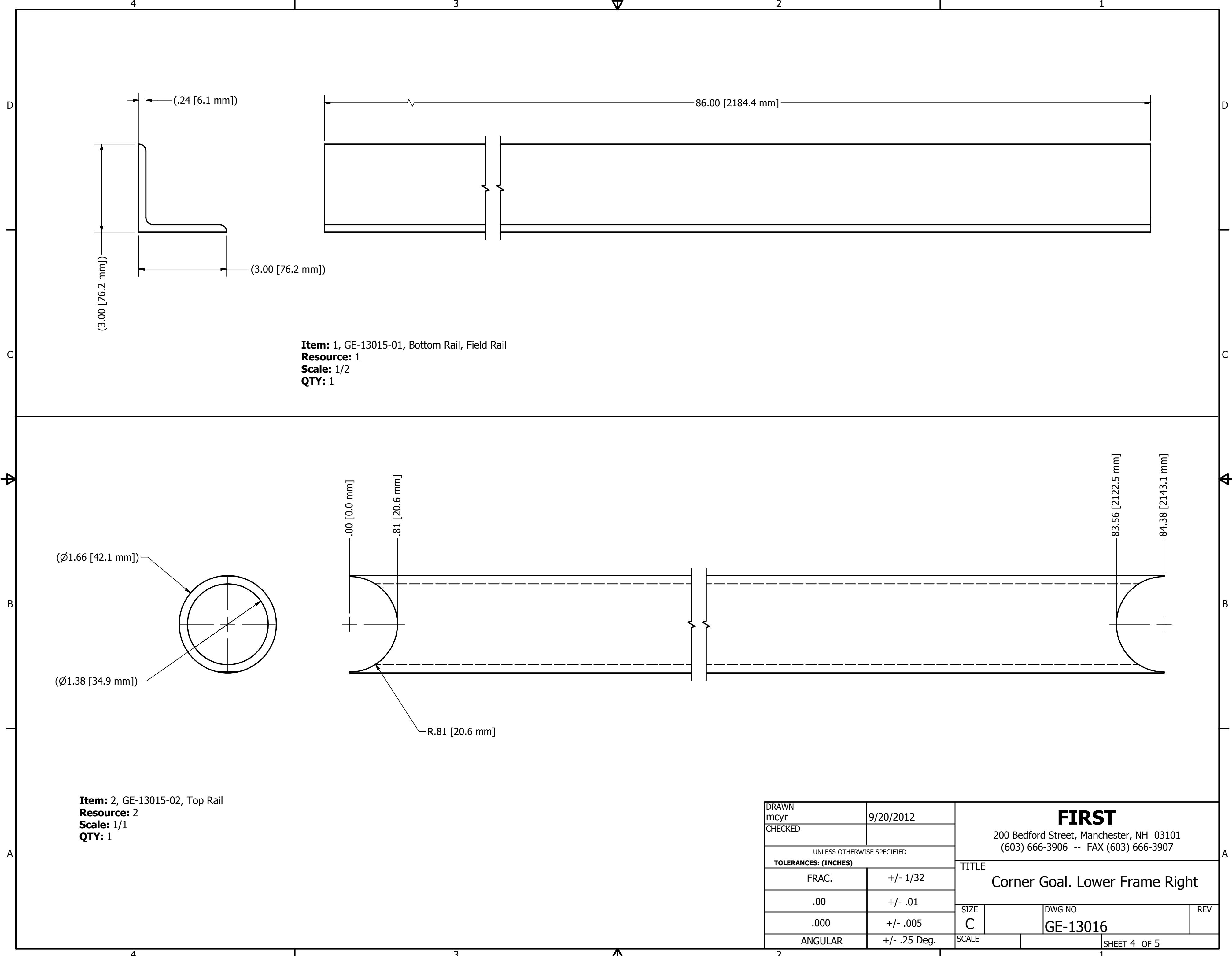
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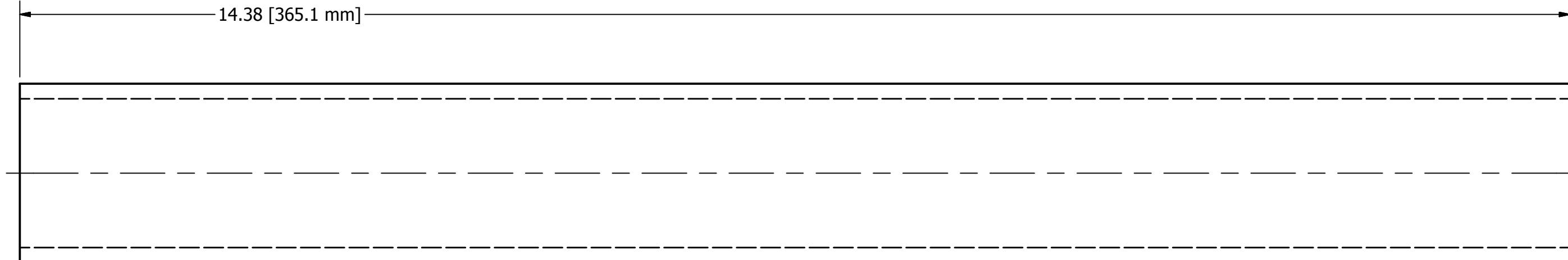
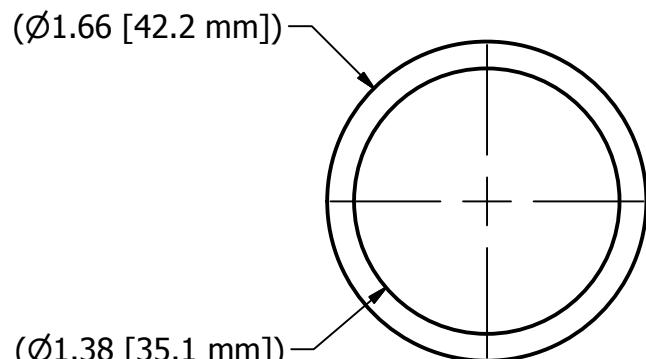


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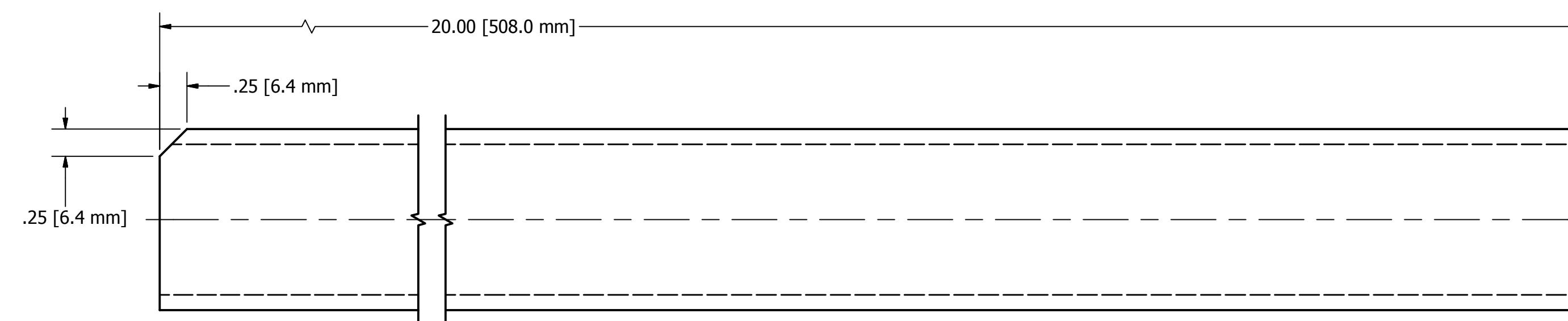
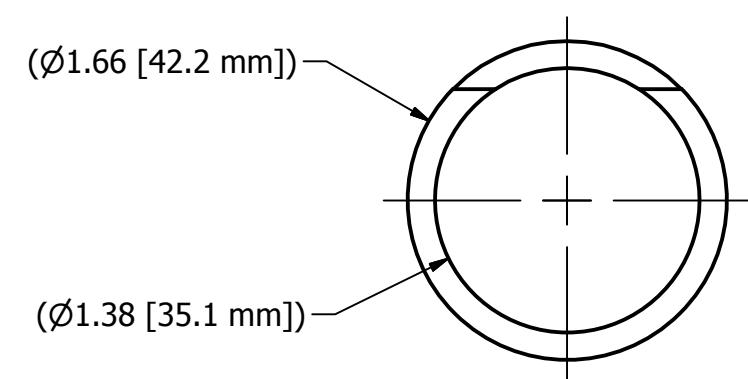
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2

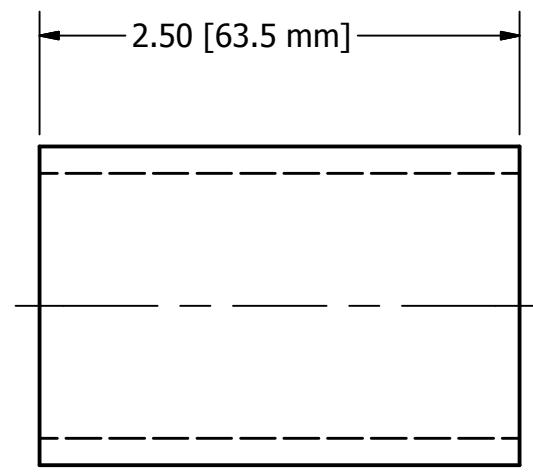
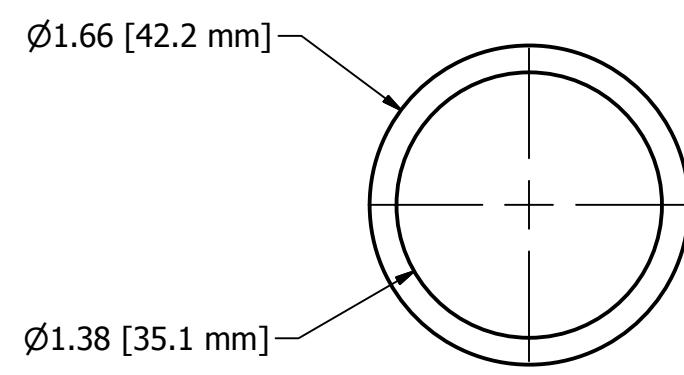
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Item: 4, GE-13015-04, Attachment Tube, Long
Resource: 2
Scale: 1/1
QTY: 1

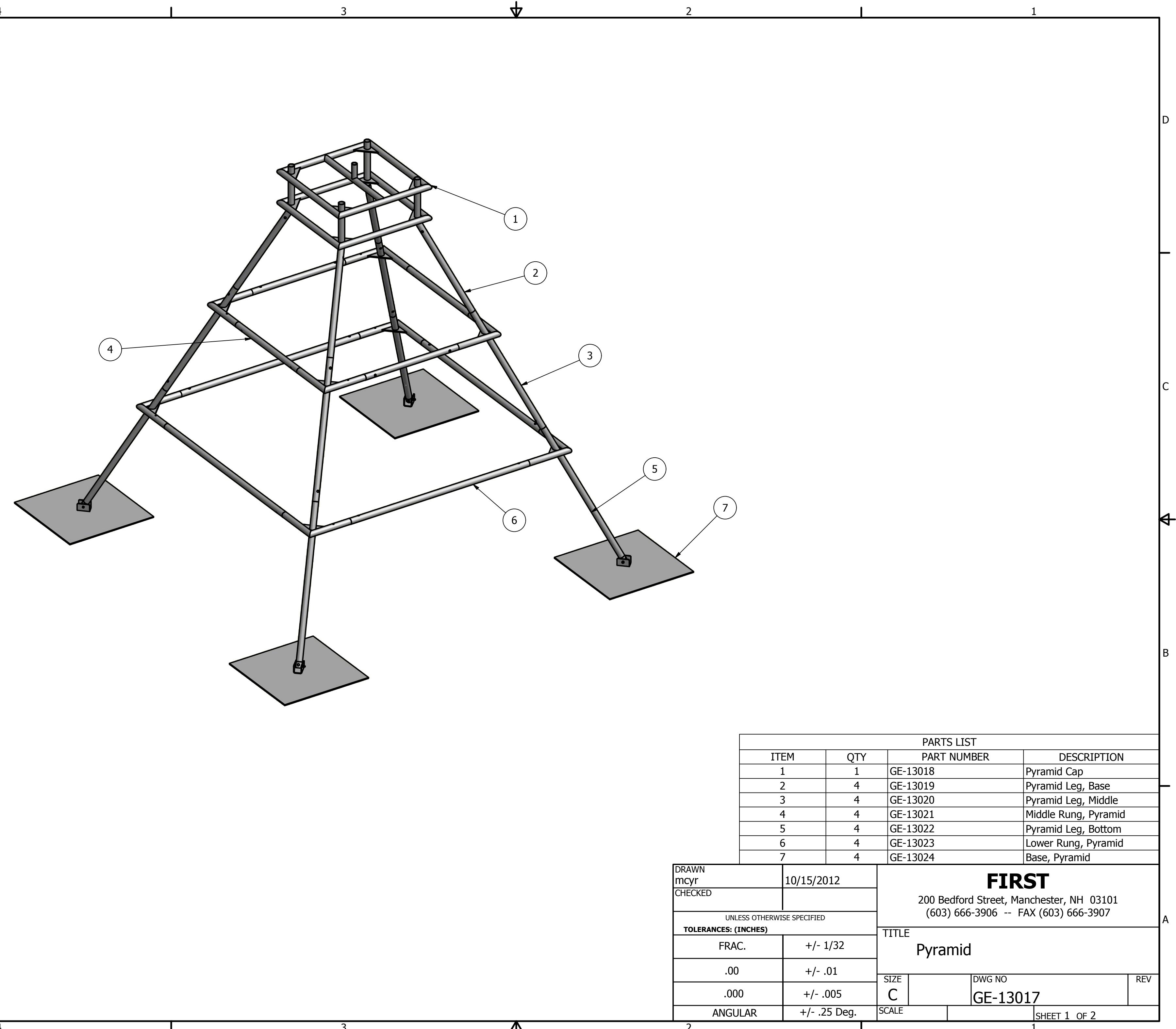


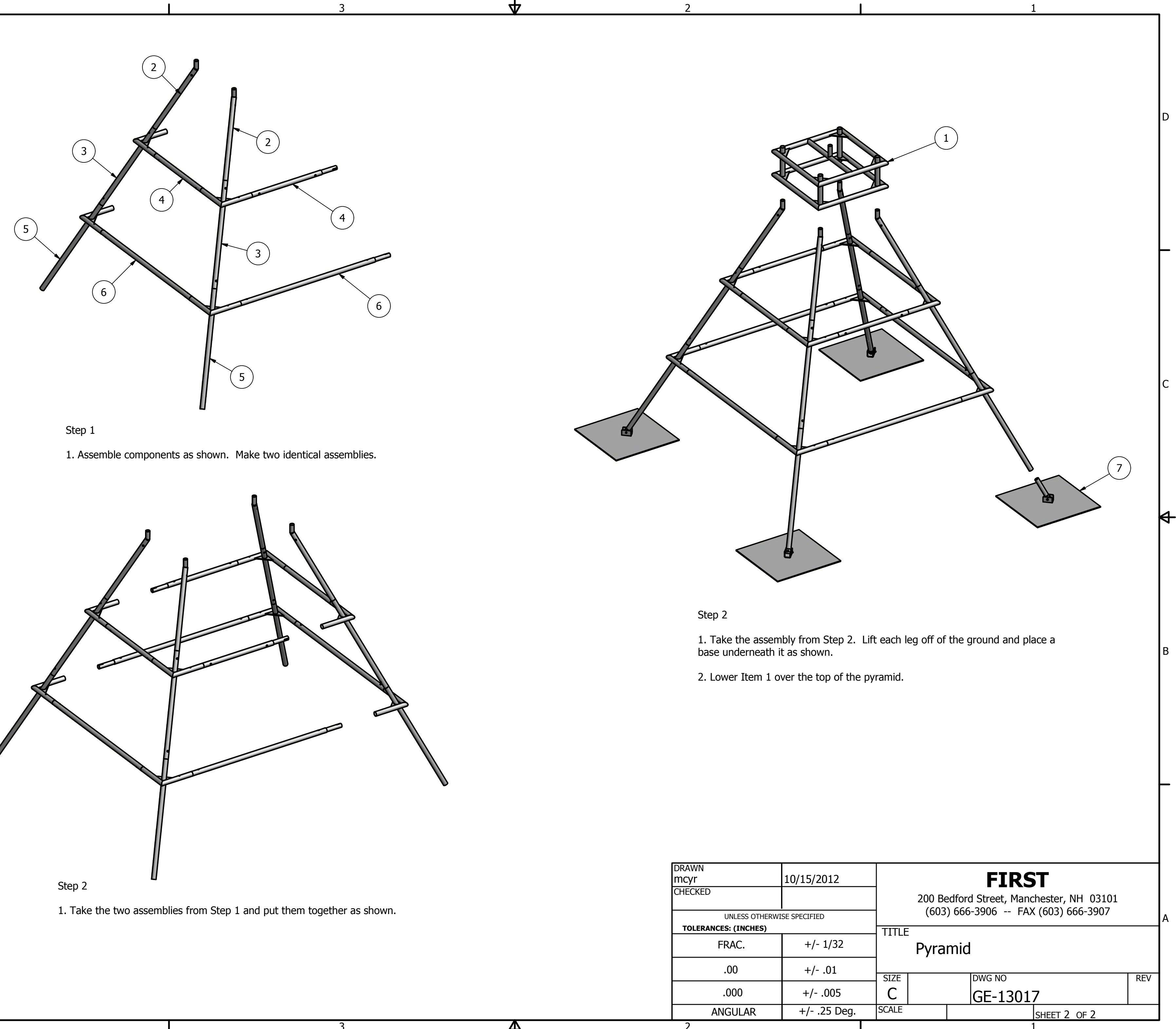
Item: 5, GE-13015-05, Vertical Sides
Resource: 2
Scale: 1/1
QTY: 2



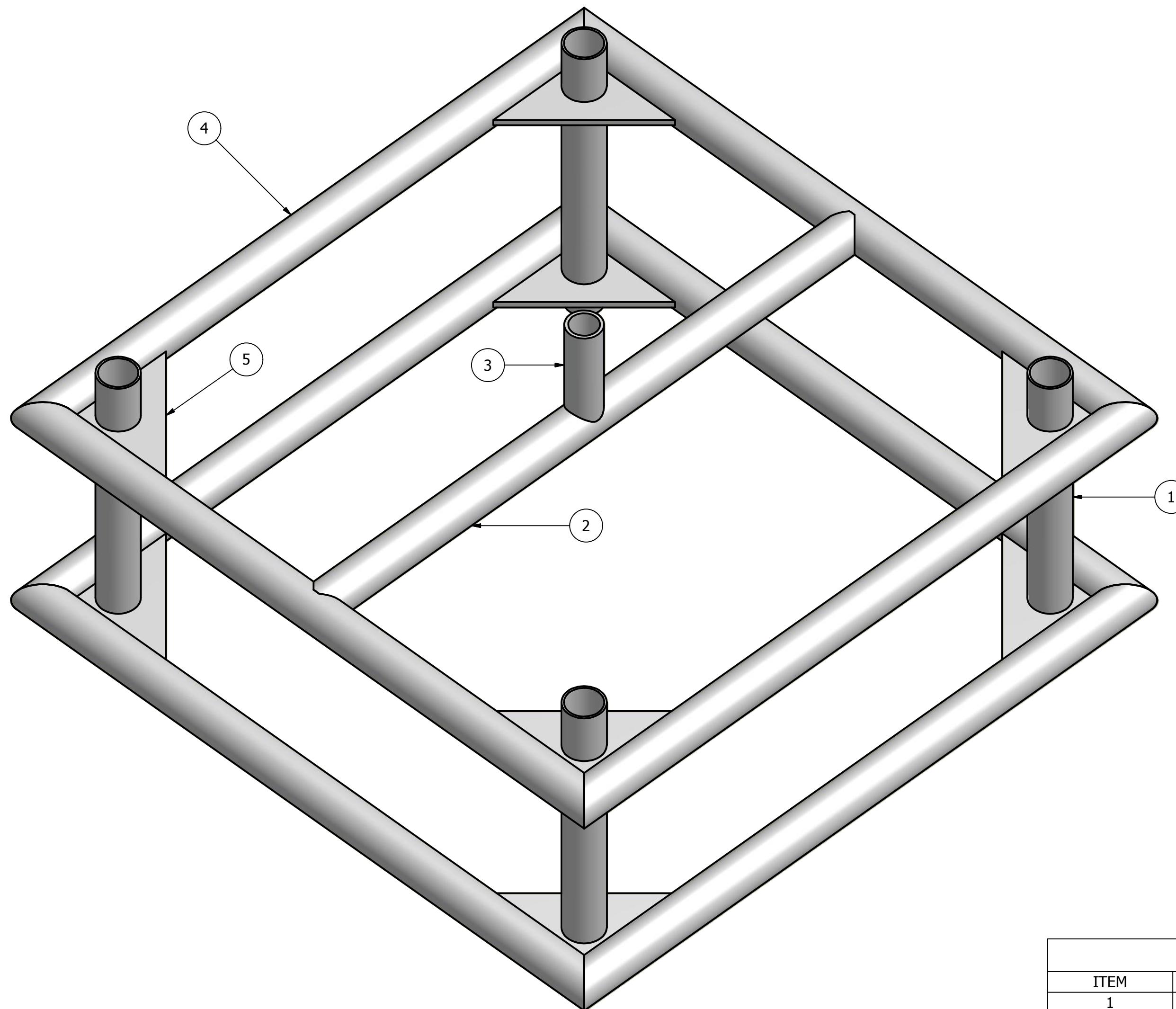
Item: 3, GE-13015-03, Attachment Tube, Short
Resource: 2
Scale: 1/1
QTY: 2

DRAWN mcyr	9/20/2012	FIRST	
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907	
UNLESS OTHERWISE SPECIFIED			
TOLERANCES: (INCHES)		TITLE	
FRAC.	+/- 1/32	Corner Goal. Lower Frame Right	
.00	+/- .01	SIZE	
.000	+/- .005	DWG NO	
ANGULAR	+/- .25 Deg.	SCALE	REV
		GE-13016	
		SHEET 5 OF 5	





4	3	2	1
REVISION HISTORY			
ZONE	REV	DESCRIPTION	
A-3	2	Added PMS color number to notes	
D-4	1	Sheet 4, changed dimaension, sheet 5 increased length of part from 10.25 to 12"	
		DATE	APPROVED
		10/22/2012	MLC
		11/26/12	MLC

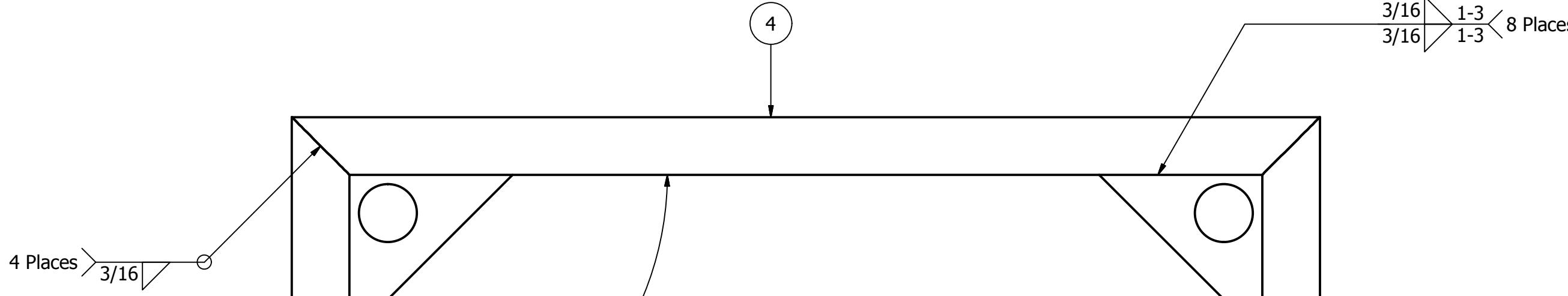


PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	4	GE-13018-01	Mounting Tubes
2	1	GE-13018-02	Horizontal Center Tube
3	1	GE-13018-03	Center tube
4	8	GE-13018-04	Horizontal Tube
5	8	GE-13018-05	Gusset

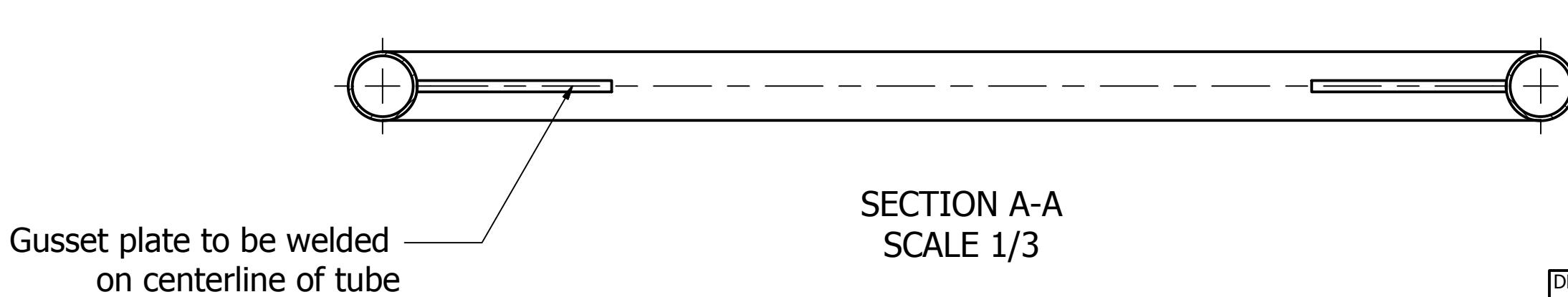
DRAWN mcyr	10/3/2012	FIRST 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907					
CHECKED							
UNLESS OTHERWISE SPECIFIED							
TOLERANCES: (INCHES)							
FRAC.	+/- 1/32						
.00	+/- .01						
.000	+/- .005						
ANGULAR	+/- .25 Deg.	SCALE	DWG NO	REV			
			GE-13018	2			
			SHEET 1 OF 6				

NOTE:

1.) Finish: Powder Coat outside of tubes only, Red PMS #485 or Blue PMS #286



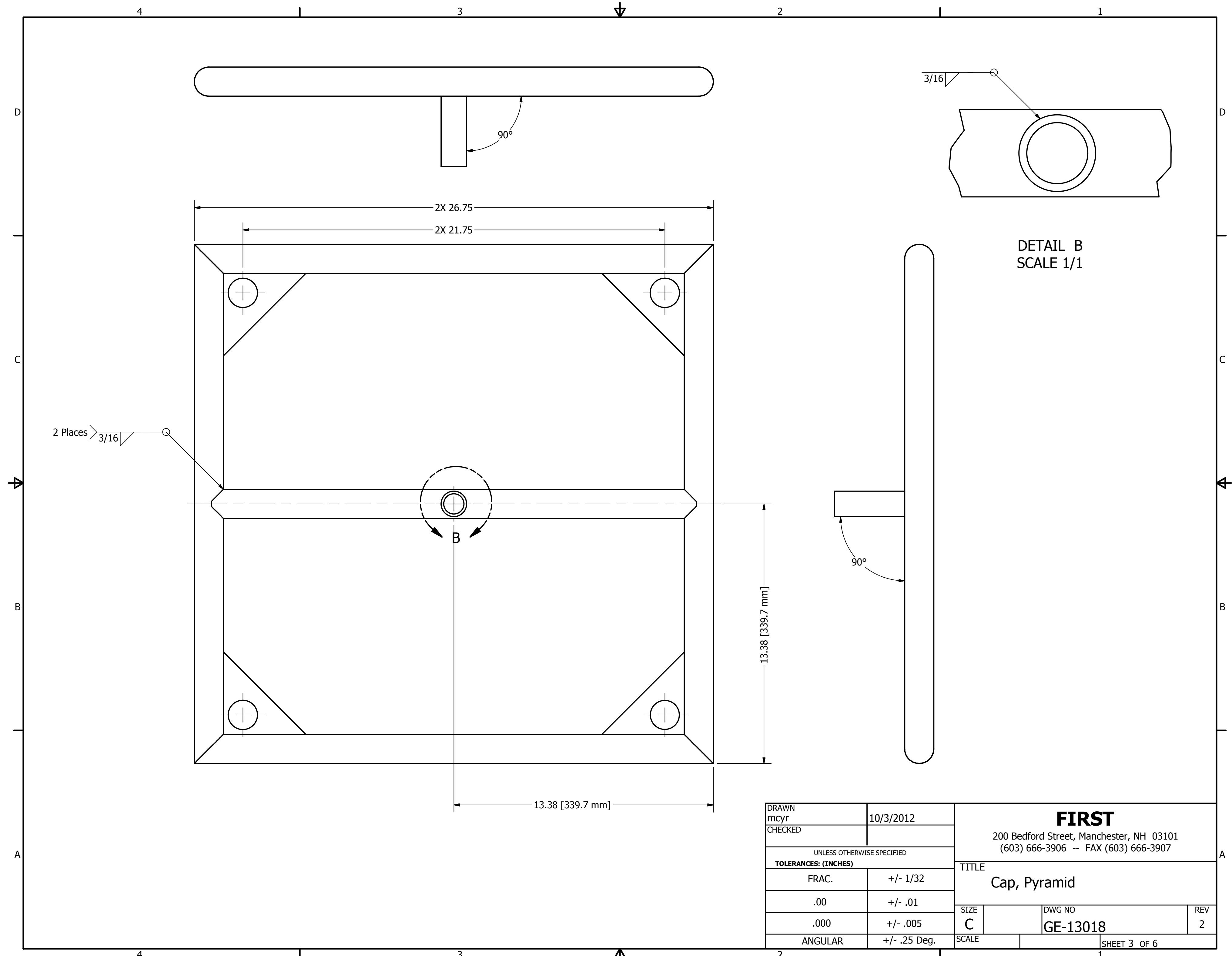
A → A



NOTE:

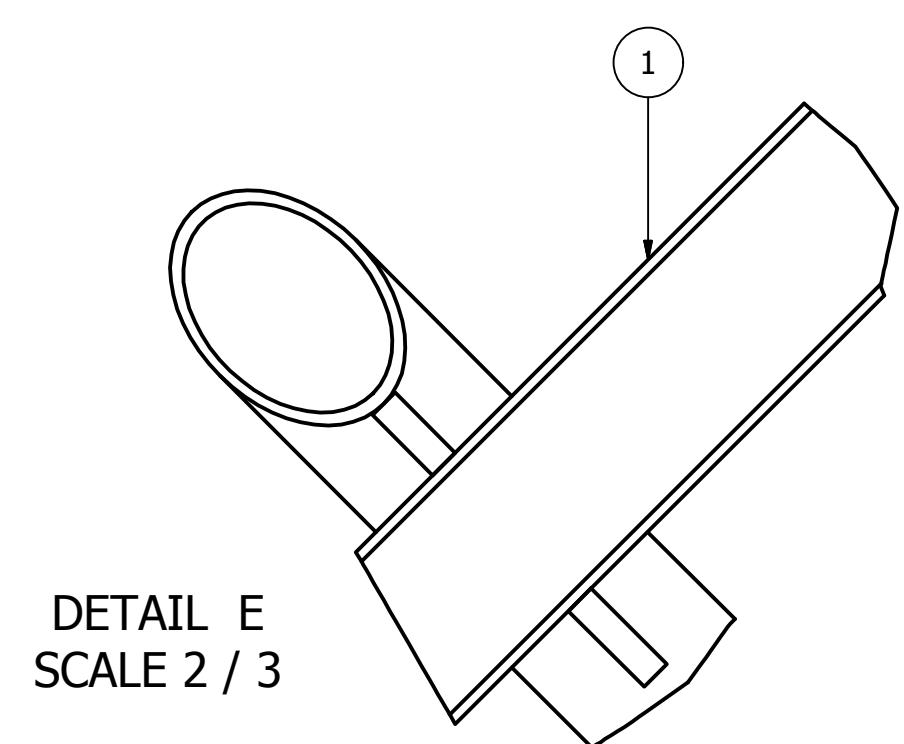
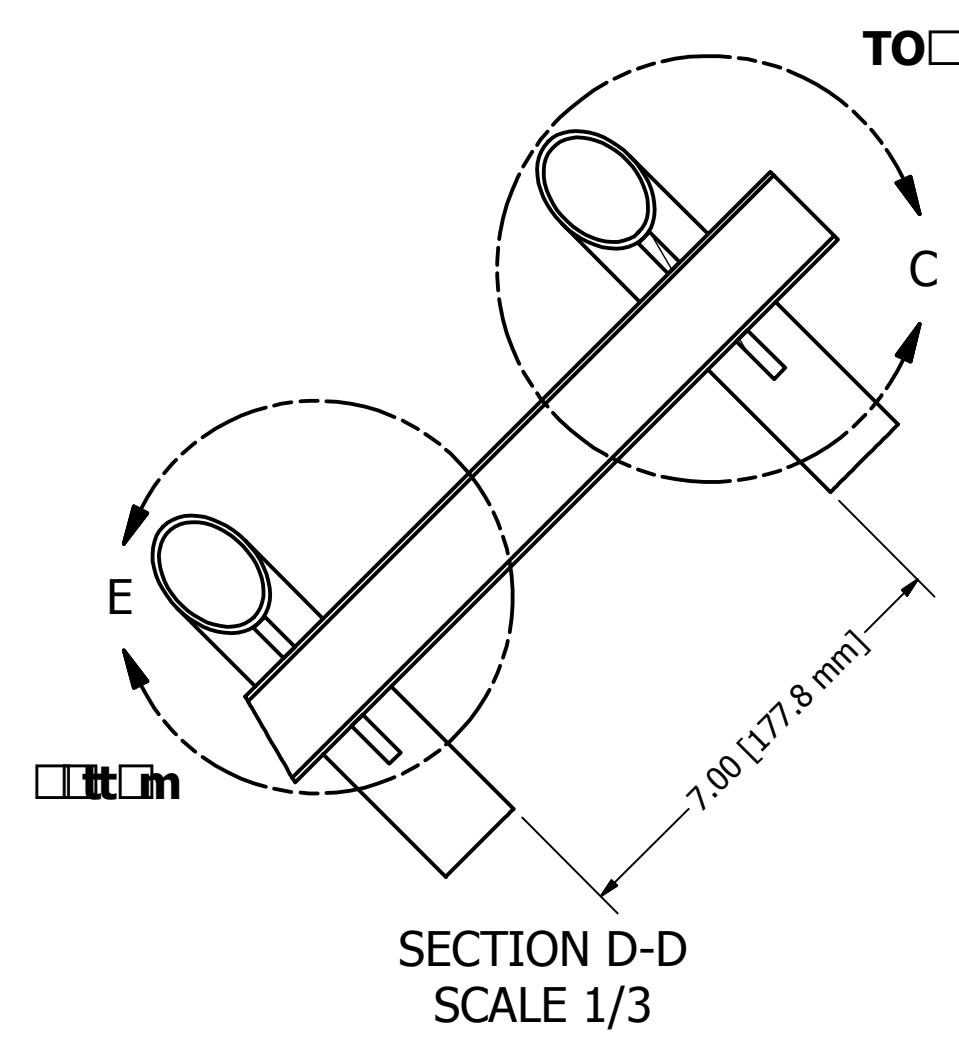
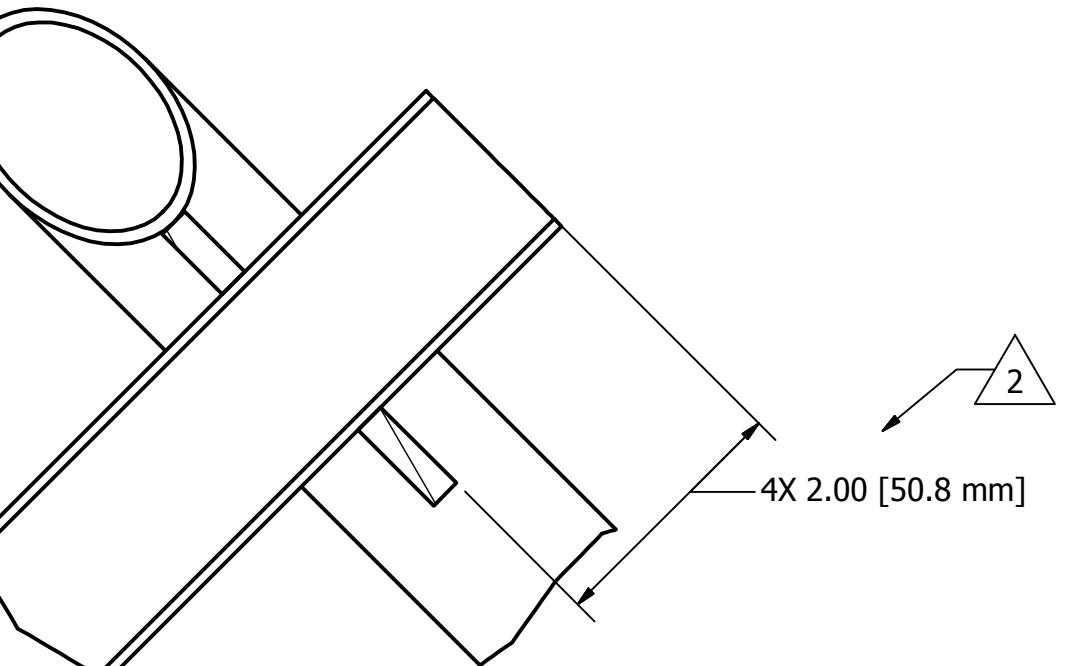
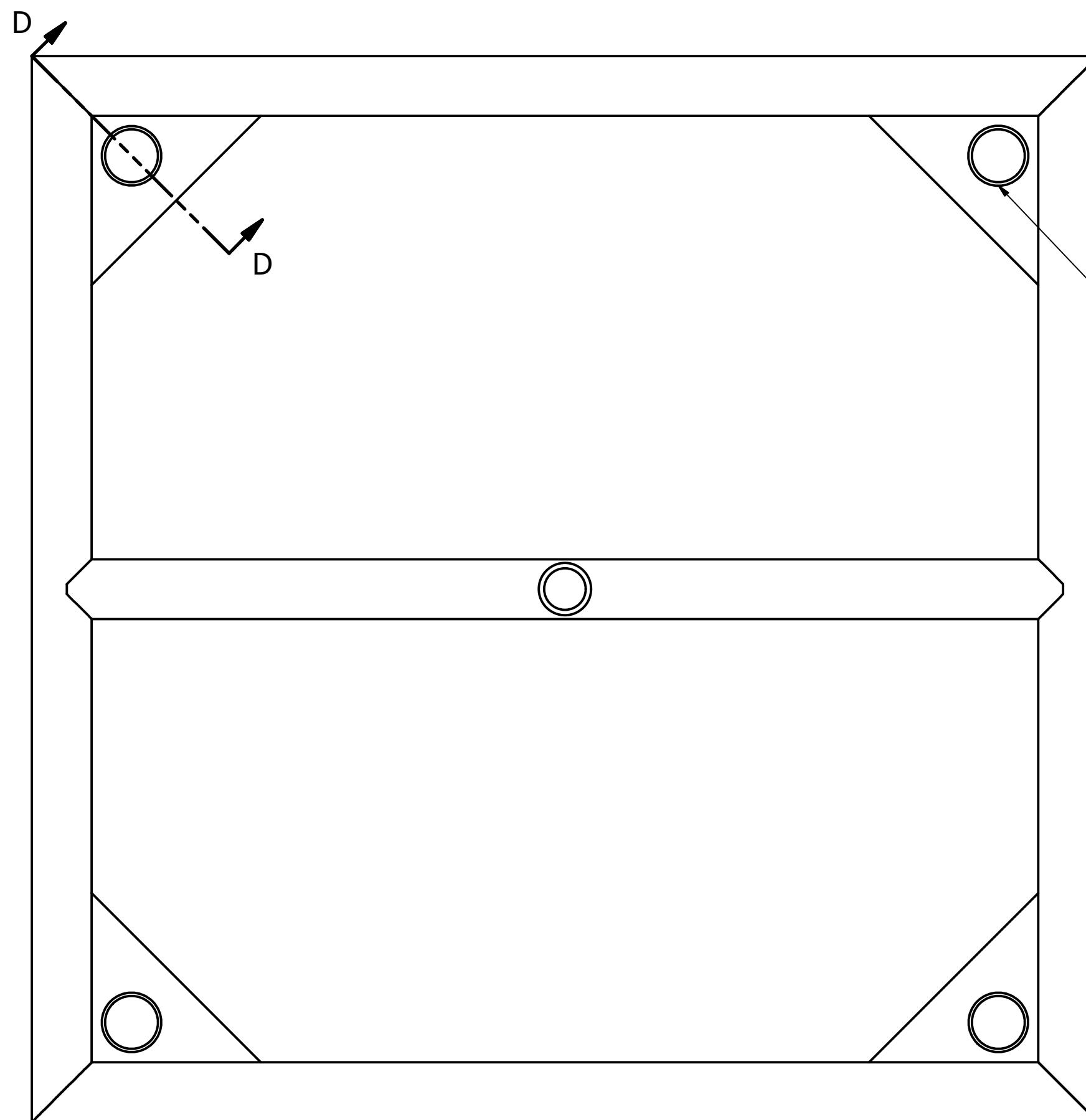
- Make template
- Remove all material
- Remove all material

DRAWN mcyr	10/3/2012	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-13018	2			
		SHEET 2 OF 6					



4 3 2 1

TOP VIEW



NOTE:

□) □el □M □t □t □e (item □) i □a □□□□□

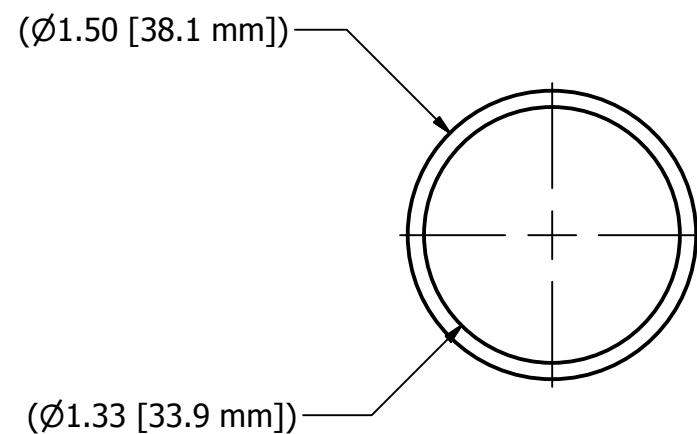
DRAWN mcyr	10/3/2012	FIRST	
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907	
UNLESS OTHERWISE SPECIFIED			
TOLERANCES: (INCHES)		TITLE	
FRAC.	+/- 1/32	Cap, Pyramid	
.00	+/- .01	SIZE	DWG NO
.000	+/- .005	C	GE-13018
ANGULAR	+/- .25 Deg.	SCALE	REV 2
SHEET 4 OF 6			

4

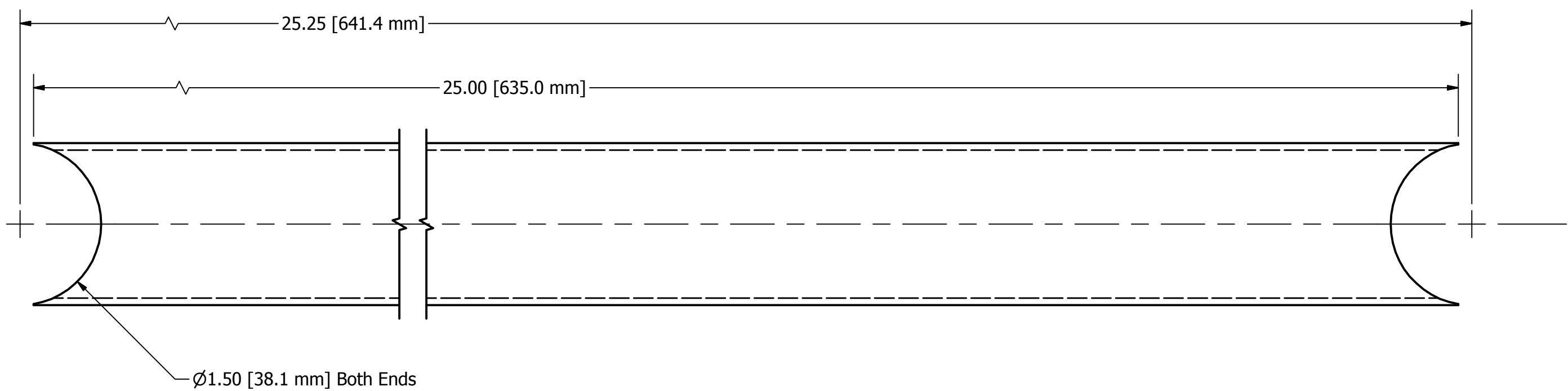
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2

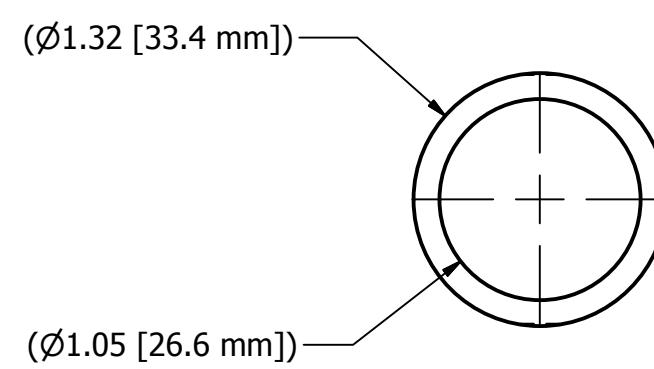
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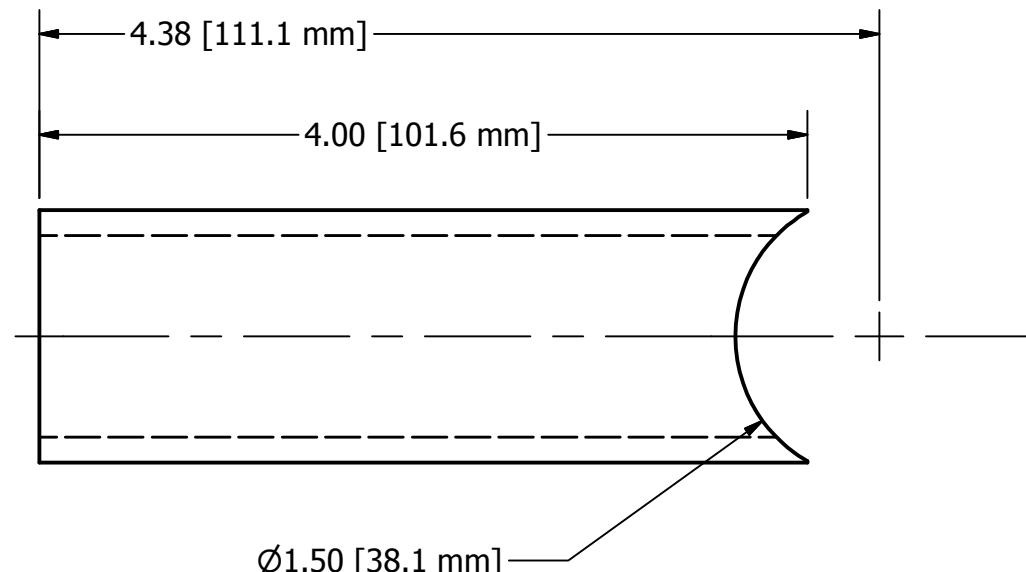
Item: 1, GE-13018-01, Mounting Tubes
Material: 1-1/2" x .083" wall thickness, 1020 DOM Structural steel round tube
Scale: 1/1
QTY: 4



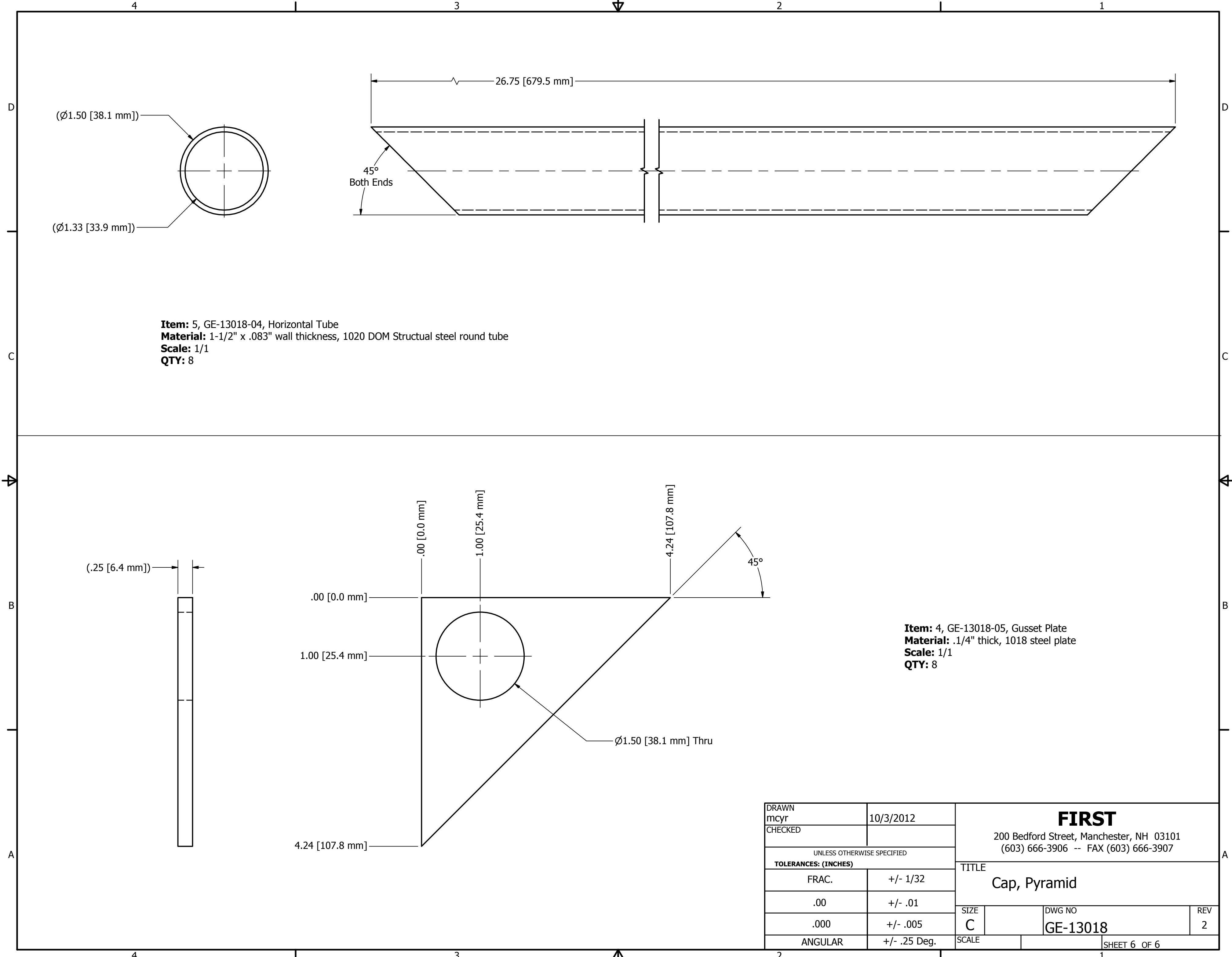
Item: 2, GE-13018-02, Horizontal Center Tube
Material: 1-1/2" x .083" wall thickness, 1020 DOM Structural steel round tube
Scale: 1/1
QTY: 1



Item: 3, GE-13018-03, Center Tube
Material: 1" Schedule 40, A500 steel tube
Scale: 1/1
QTY: 1



DRAWN mcyr	10/3/2012	FIRST				
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907				
UNLESS OTHERWISE SPECIFIED						
TOLERANCES: (INCHES)			TITLE			
FRAC.	+/- 1/32	Cap, Pyramid				
.00	+/- .01					
.000	+/- .005	SIZE	DWG NO	REV		
ANGULAR	+/- .25 Deg.	C	GE-13018	2		
SCALE						
SHEET 5 OF 6						



4

3

2

1

▼

REVISION HISTORY

ZONE	REV	DESCRIPTION	DATE	APPROVED
A-3	2	Added PMS color numbers to the notes	10/22/2012	MLC
B-3	2	Sheet 3, changed length of item #2 from 13" to 3" and removed thru hole	11/17/12	MLC

D

D

C

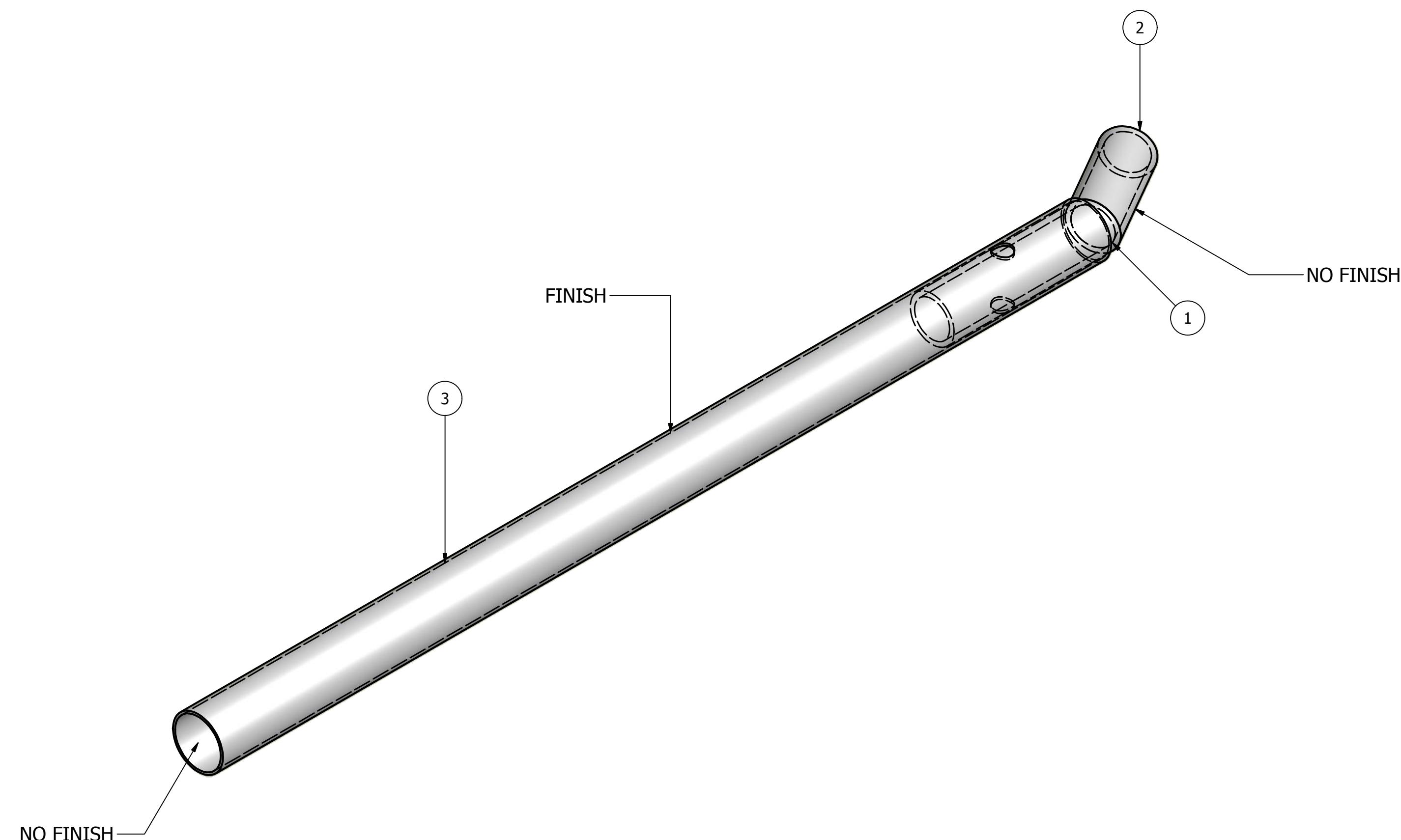
C

B

B

A

A



NOTE:

1.) Finish: Powder Coat, Red PMS #485 or Blue PMS #286

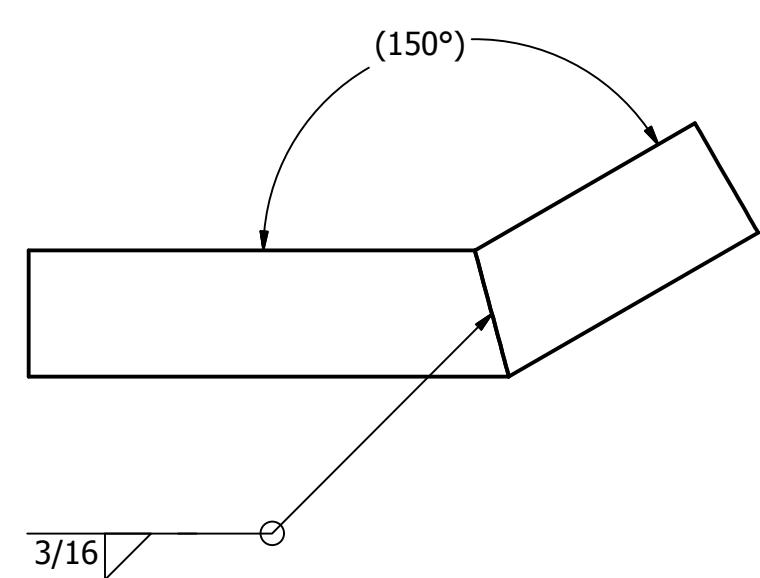
PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	GE-13019-01	Short Insert
2	1	GE-13019-02	Long Insert
3	1	GE-13019-03	Outer Tube

DRAWN mcyr	10/11/2012	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-13019	
		REV 2	
		SHEET 1 OF 4	

4 3 2 1

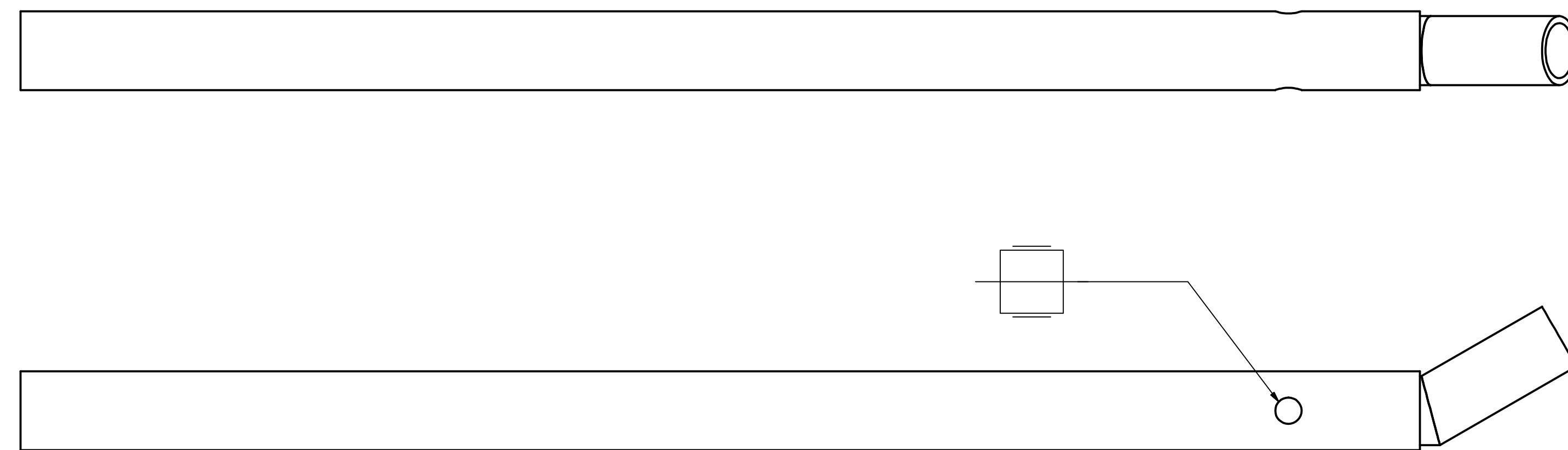
D

D



C

C



B

B

DRAWN mcyr	10/11/2012	FIRST 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907			
CHECKED					
UNLESS OTHERWISE SPECIFIED					
TOLERANCES: (INCHES)					
FRAC.	+/- 1/32	TITLE Pyramid Leg, Base	DWG NO GE-13019		
.00	+/- .01				
.000	+/- .005				
ANGULAR	+/- .25 Deg.	SCALE	REV 2		
SHEET 2 OF 4					

4 3 2 1

A

A

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1

4

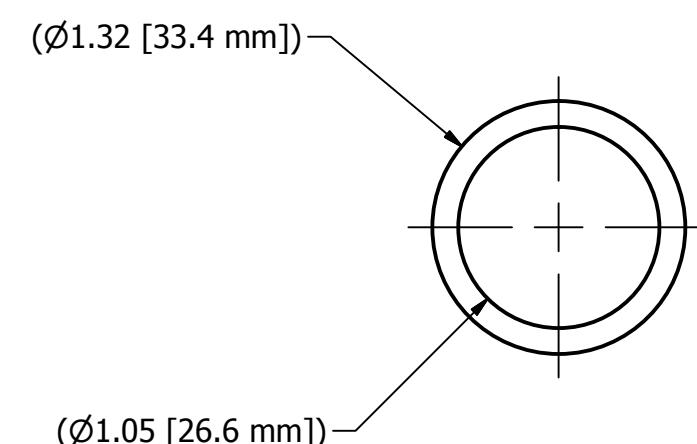
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2

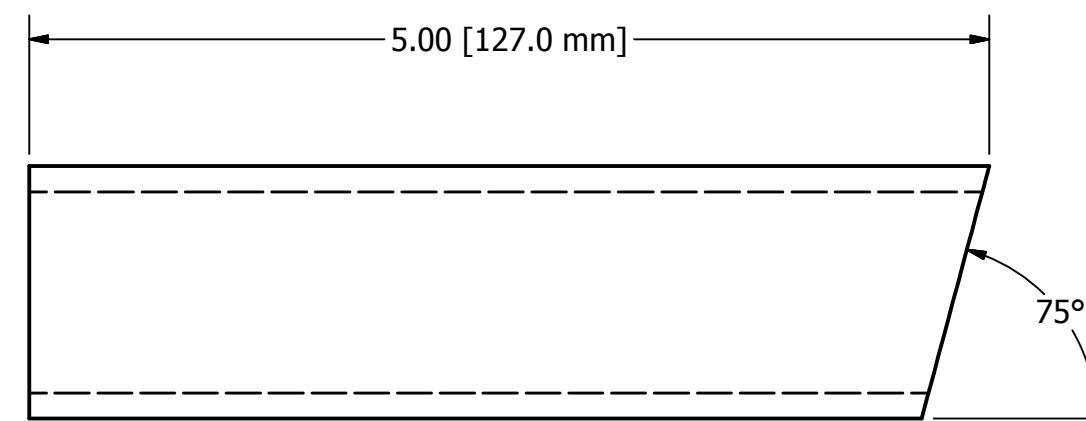
1

D

D



Item: 1 GE-13019-01, Short Insert
Material: 1" Schedule 40, A500 Steel Tube
Scale: 1/1
QTY: 1

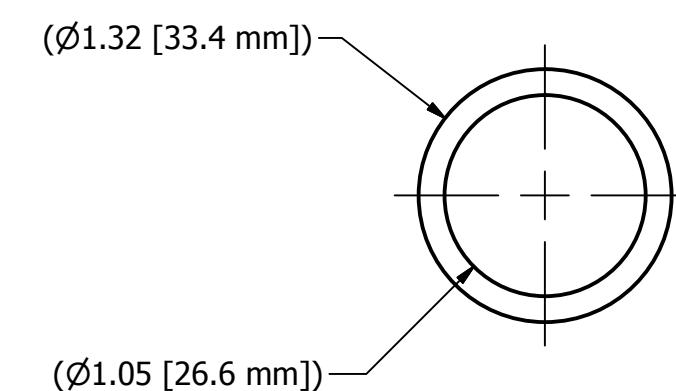


C

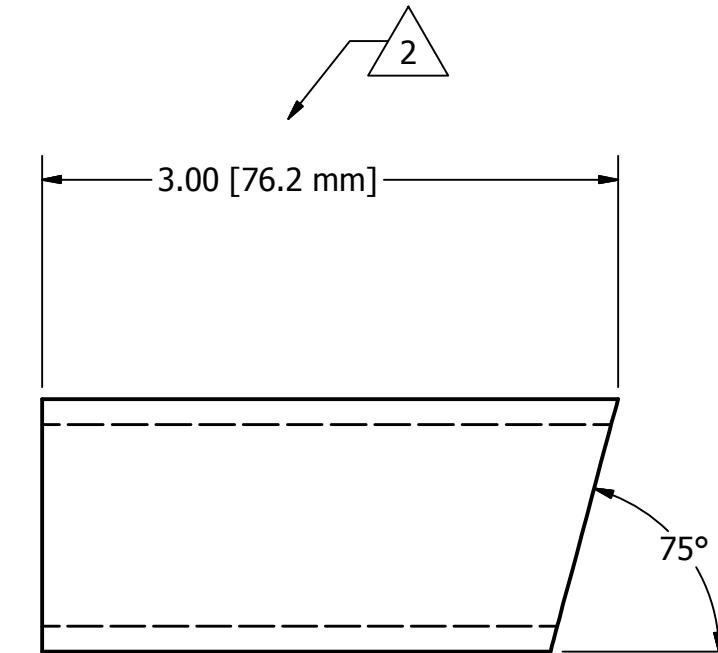
C

A

A



Item: 2 GE-13019-02, Long Insert
Material: 1" Schedule 40, A500 Steel Tube
Scale: 1/1
QTY: 1



DRAWN mcyr	10/11/2012	FIRST 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
CHECKED				
UNLESS OTHERWISE SPECIFIED				
TOLERANCES: (INCHES)		TITLE		
FRAC.	+/- 1/32	Pyramid Leg, Base		
.00	+/- .01	SIZE		
.000	+/- .005	DWG NO		
ANGULAR	+/- .25 Deg.	SCALE		REV
				2
				SHEET 3 OF 4

4

3

2

1

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4

3

2

1

D

D

C

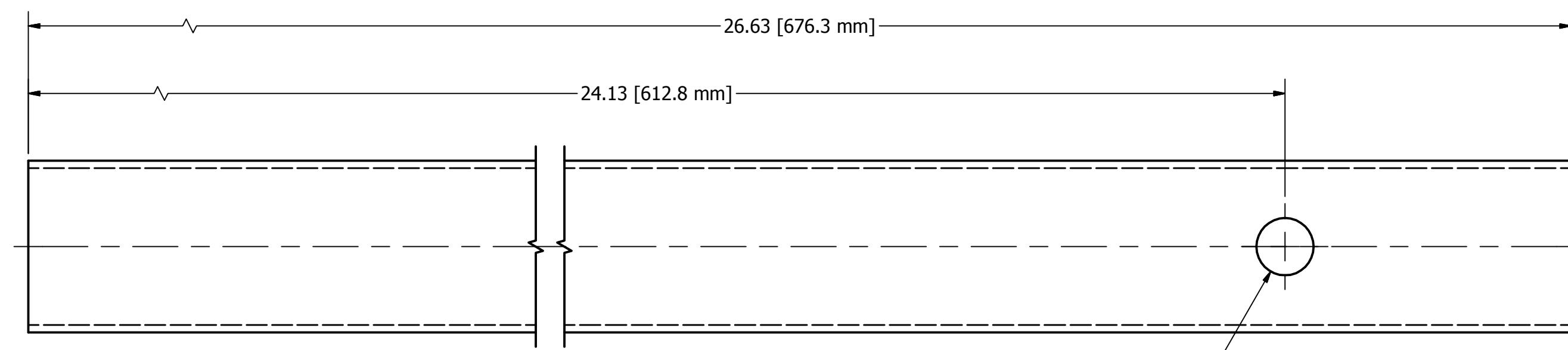
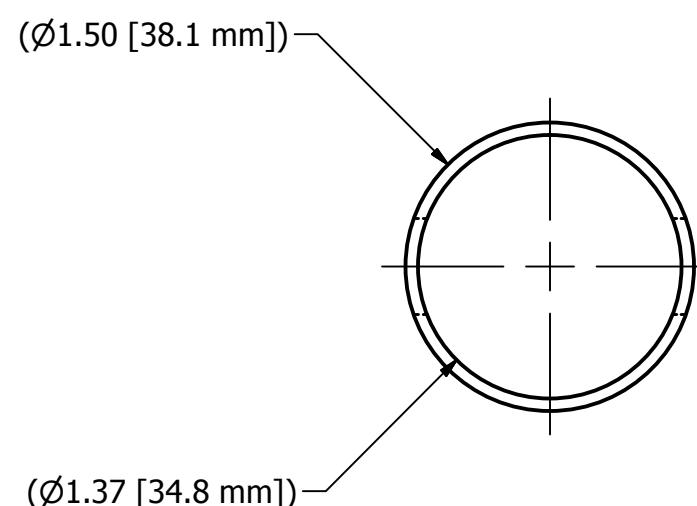
C

B

B

A

A



Item: 3 GE-13019-03, Outer Tube

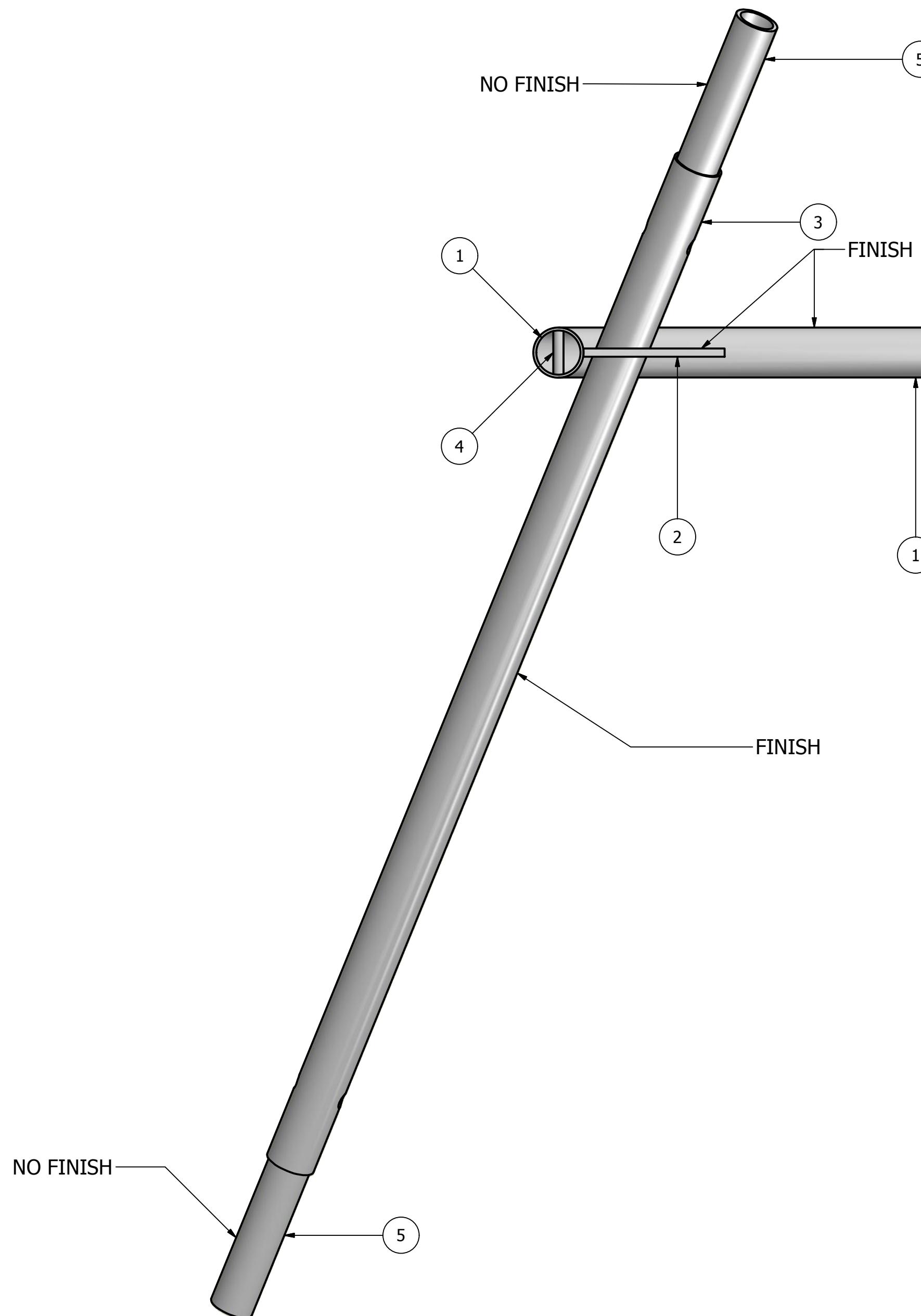
Material: 1-1/2" x .083" wall thickness, 1020 DOM Structural Steel Round Tube

Scale: 1/1

QTY: 1

DRAWN mcyr	10/11/2012	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-13019
				REV 2
				SHEET 4 OF 4

4	3	2	1
REVISION HISTORY			
ZONE	REV	DESCRIPTION	
A-3	1	Added PMS color numbers to the notes	
		DATE 10/22/2012 APPROVED MLC	

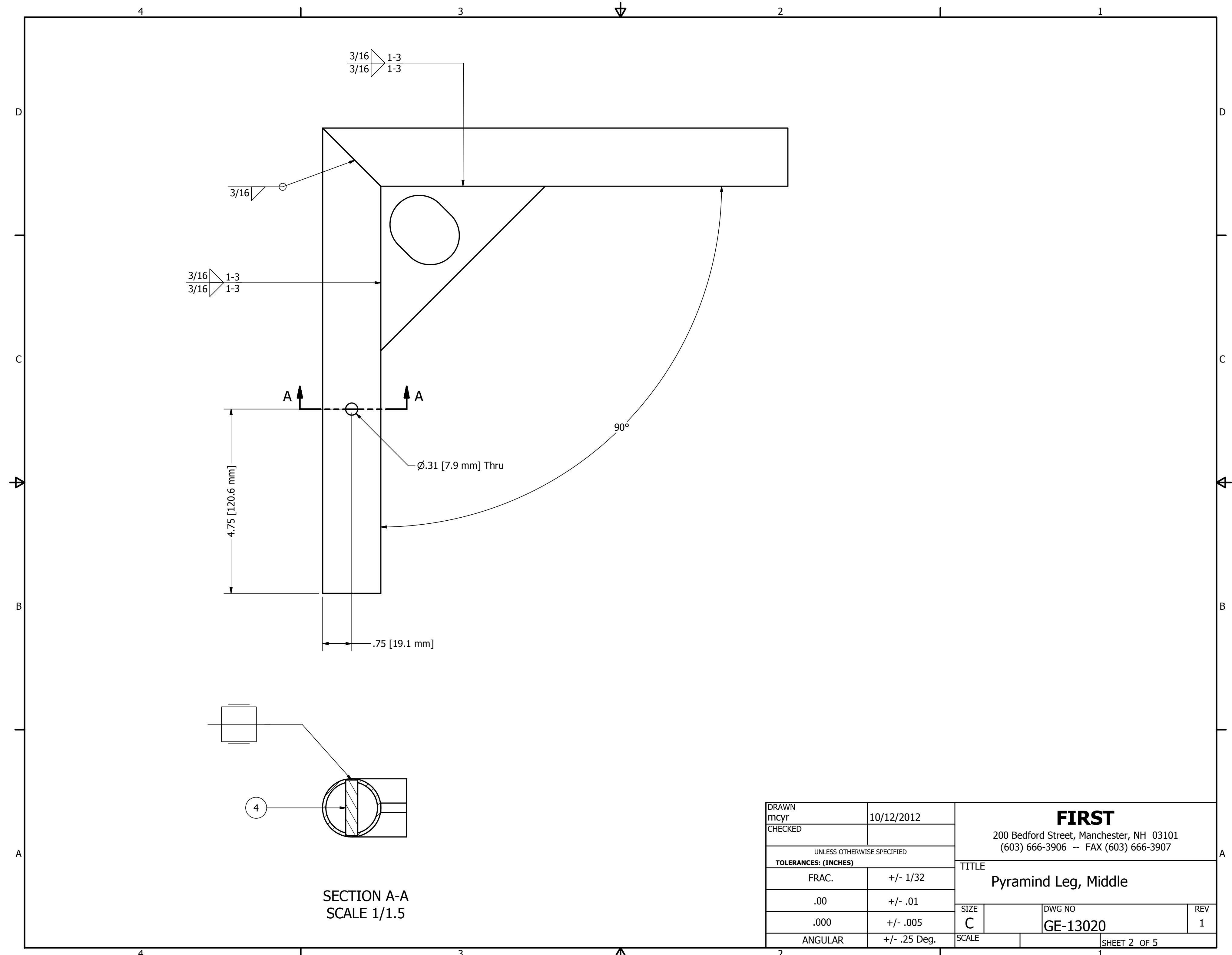


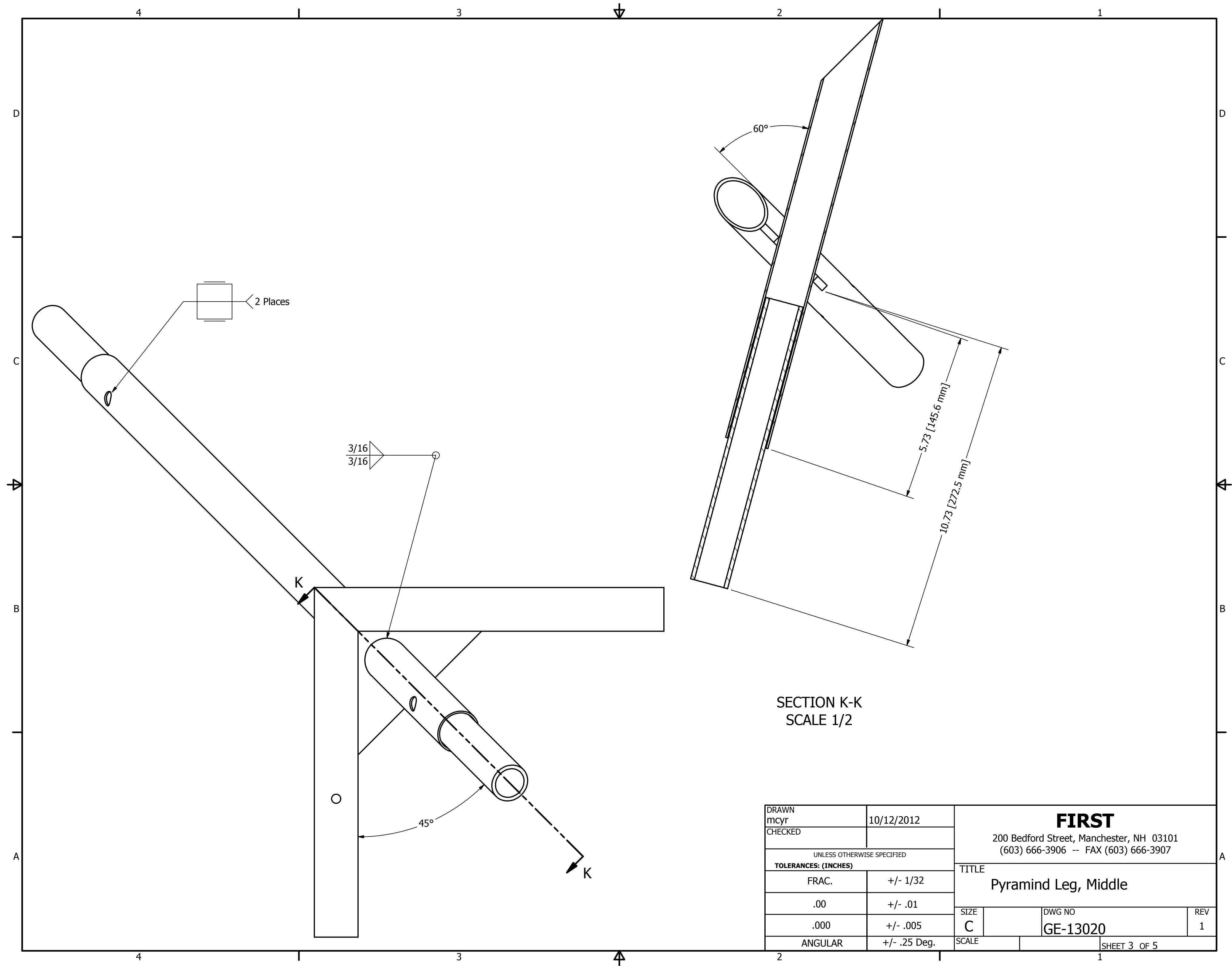
NOTE:

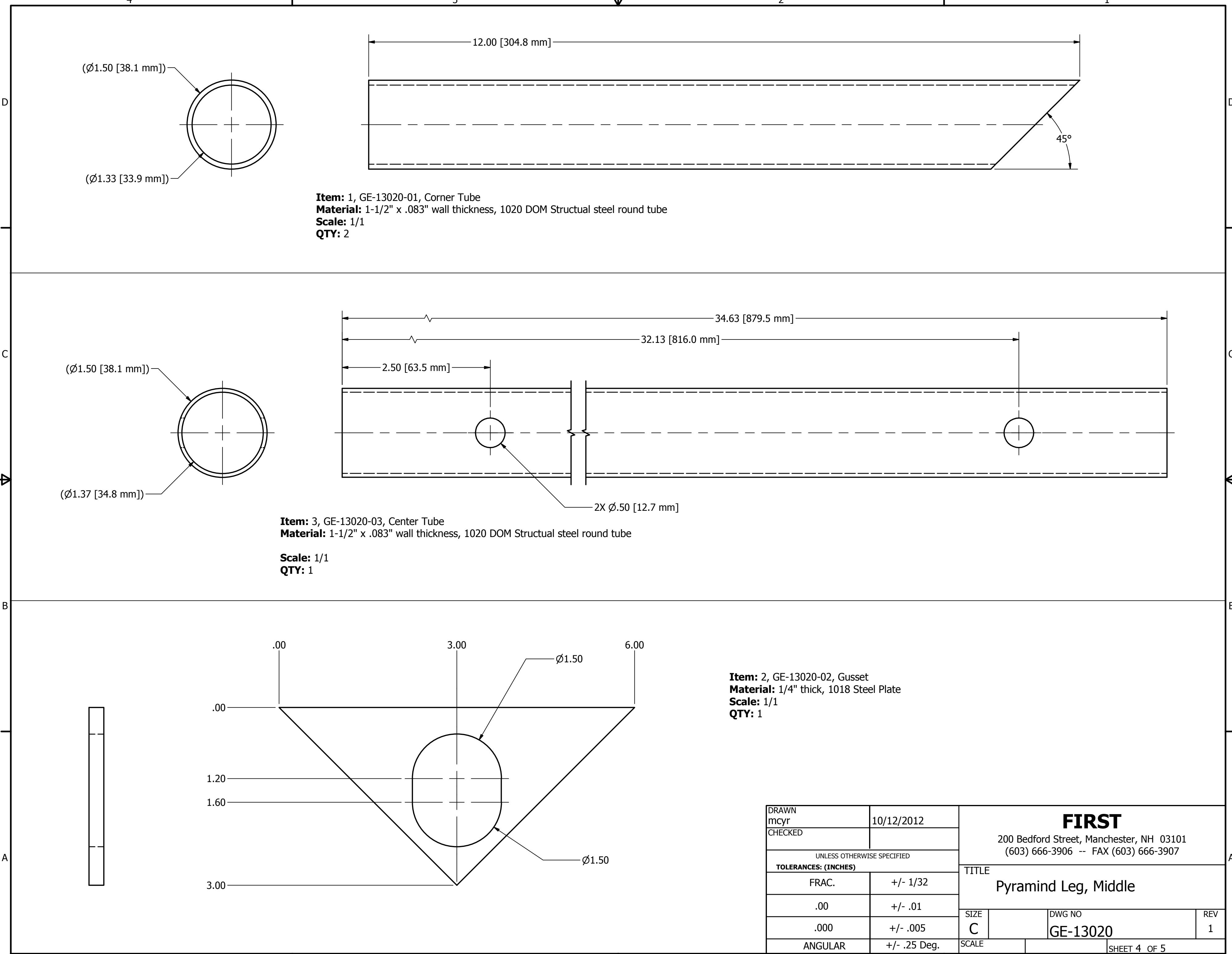
- 1.) Finish: Powder coat outside of tube only, Red PMS #485 or Blue PMS #286

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	GE-13020-01	Corner Tube
2	1	GE-13020-02	Gusset
3	1	GE-13020-03	Center Tube
4	1	GE-13020-04	Tube Stop
5	2	GE-13020-05	Inner Tube

DRAWN mcyr	10/12/2012	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-13020
		REV
		1
		SHEET 1 OF 5

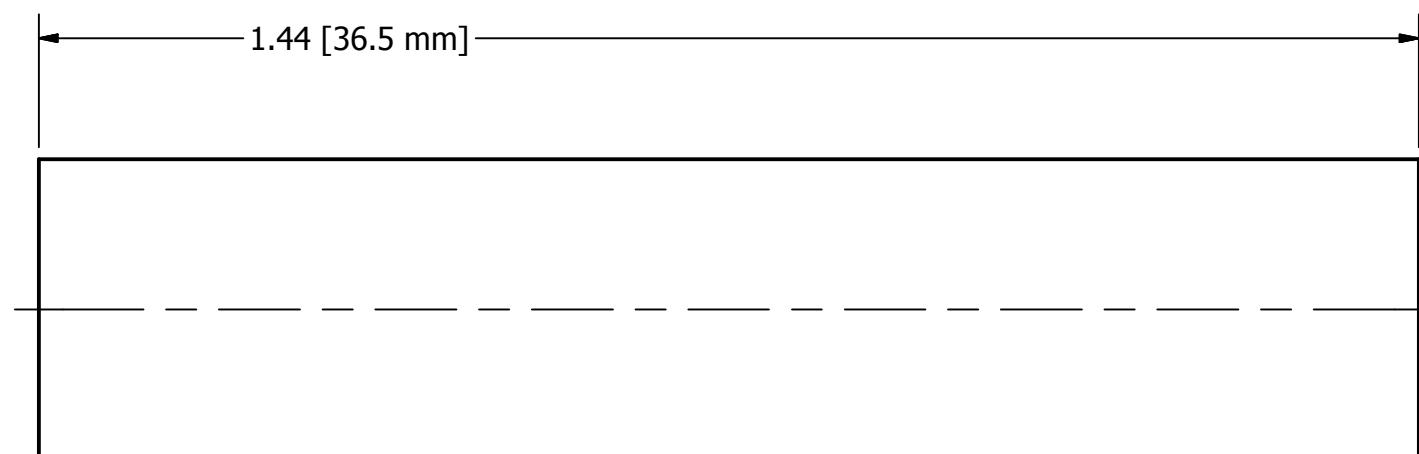
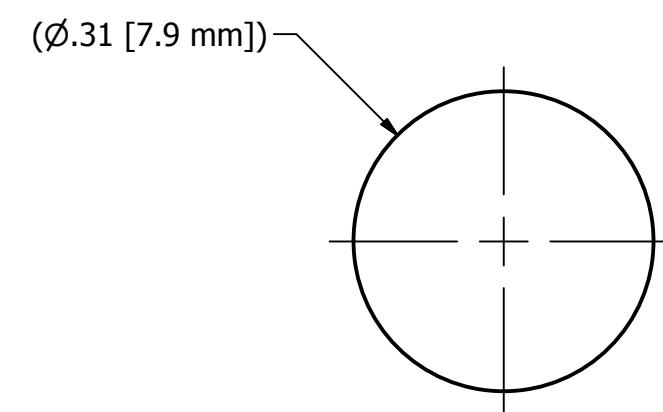






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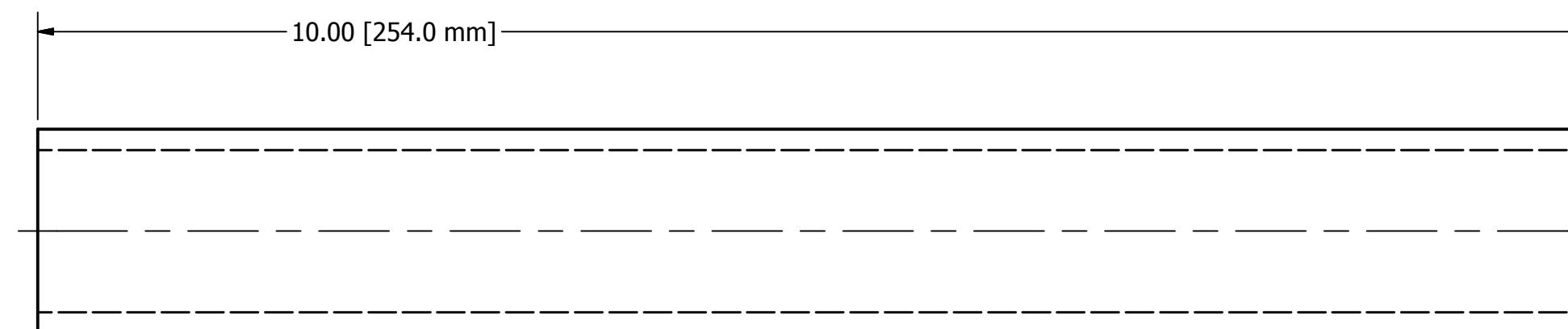
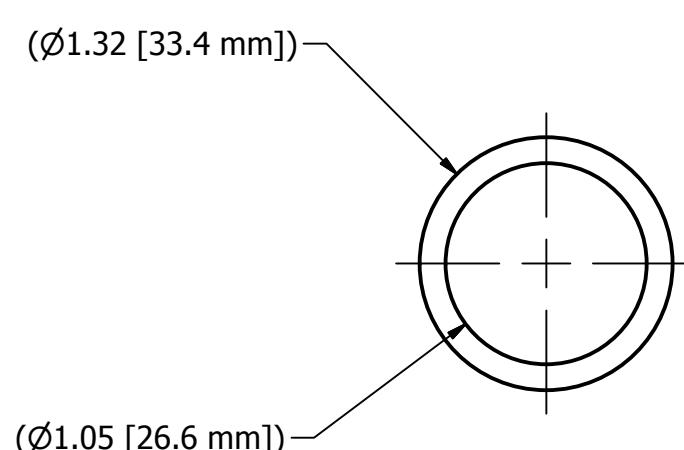
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Item: 4, GE-13020-04, Tube Stop
Material: .31" OD, 1018 Steel Round Bar
Scale: 1/1
QTY: 1

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Item: 5, GE-13020-05, Inner Tube
Material: 1" Schedule 40, A500 Steel Tube
Scale: 1/1
QTY: 2

DRAWN mcyr	10/12/2012	FIRST				
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907				
UNLESS OTHERWISE SPECIFIED						
TOLERANCES: (INCHES)			TITLE			
FRAC.	+/- 1/32	Pyramind Leg, Middle				
.00	+/- .01	SIZE				
.000	+/- .005	DWG NO				
ANGULAR	+/- .25 Deg.	SCALE		REV 1		
			SHEET 5 OF 5			

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REVISION HISTORY

DESCRIPTION

ZONE	REV	DESCRIPTION	DATE	APPROVED
A-3	1	Added PMS color numbers to the notes	10/22/2012	MLC

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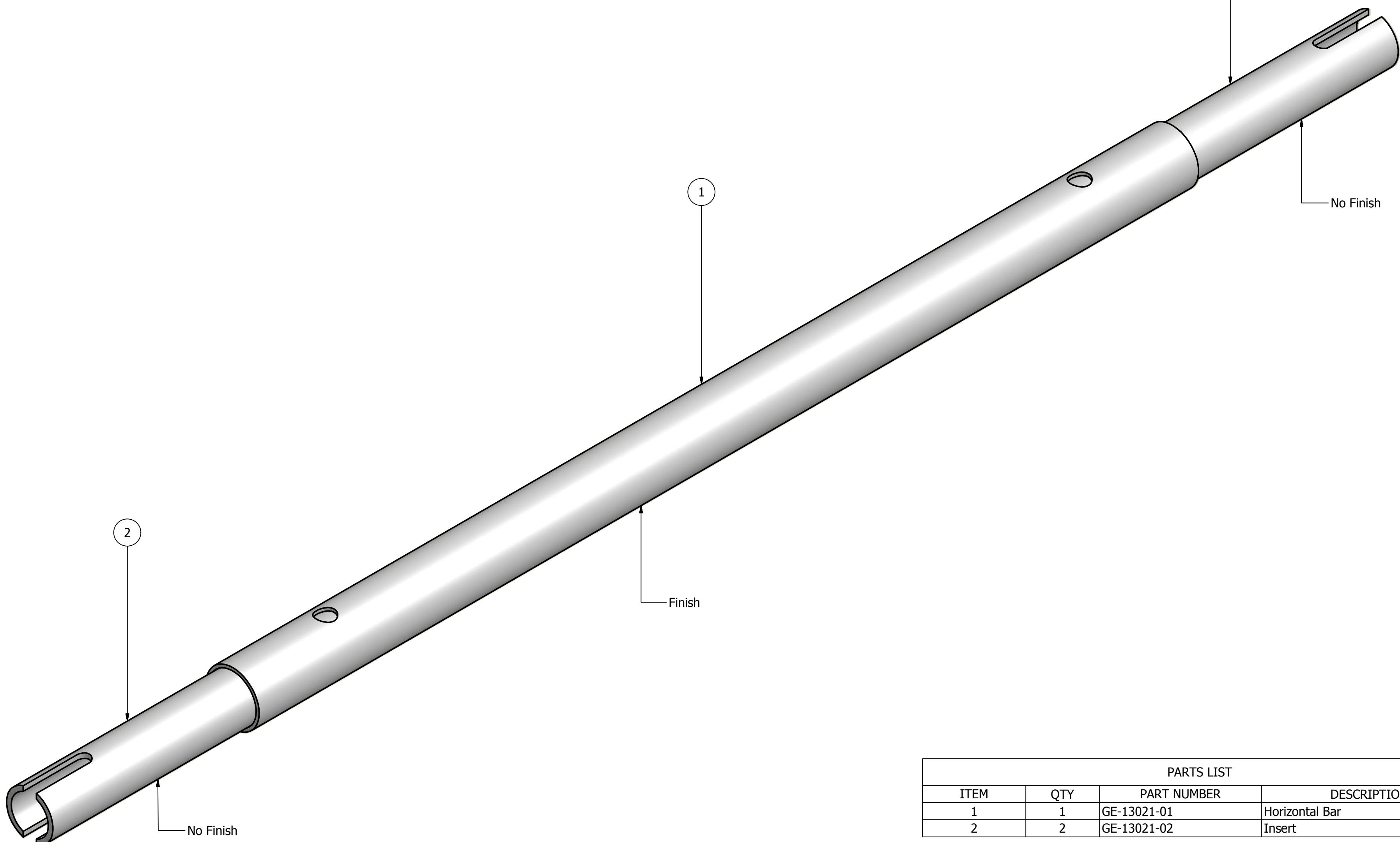
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NOTE:

- 1.) Finish: Powder coat Red PMS #485 or Blue PMS #286

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	GE-13021-01	Horizontal Bar
2	2	GE-13021-02	Insert

DRAWN mcyr	10/4/2012	FIRST 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907	
CHECKED			
UNLESS OTHERWISE SPECIFIED			
TOLERANCES: (INCHES)		SIZE C	SCALE
FRAC.	+/- 1/32	DWG NO GE-13021	REV 1
.00	+/- .01		
.000	+/- .005		
ANGULAR	+/- .25 Deg.		
		SHEET 1 OF 3	

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DRAWN mcyr	10/4/2012	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-13021	REV 1
			SHEET 2 OF 3	

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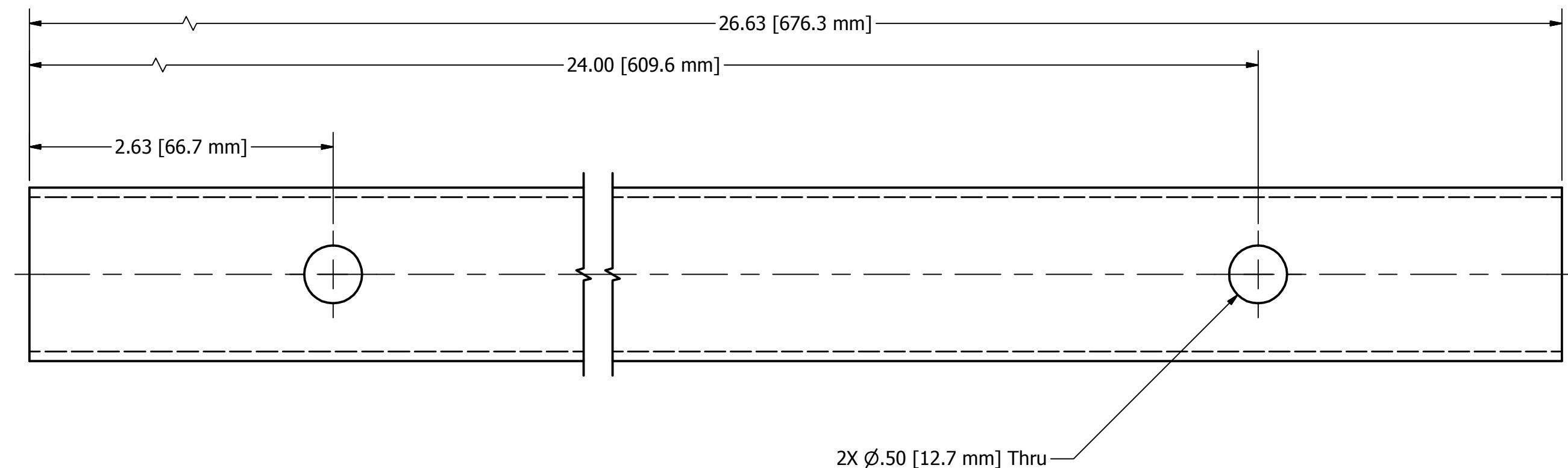
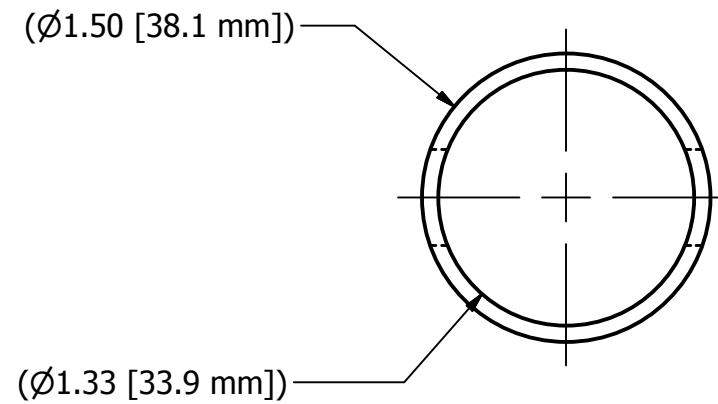
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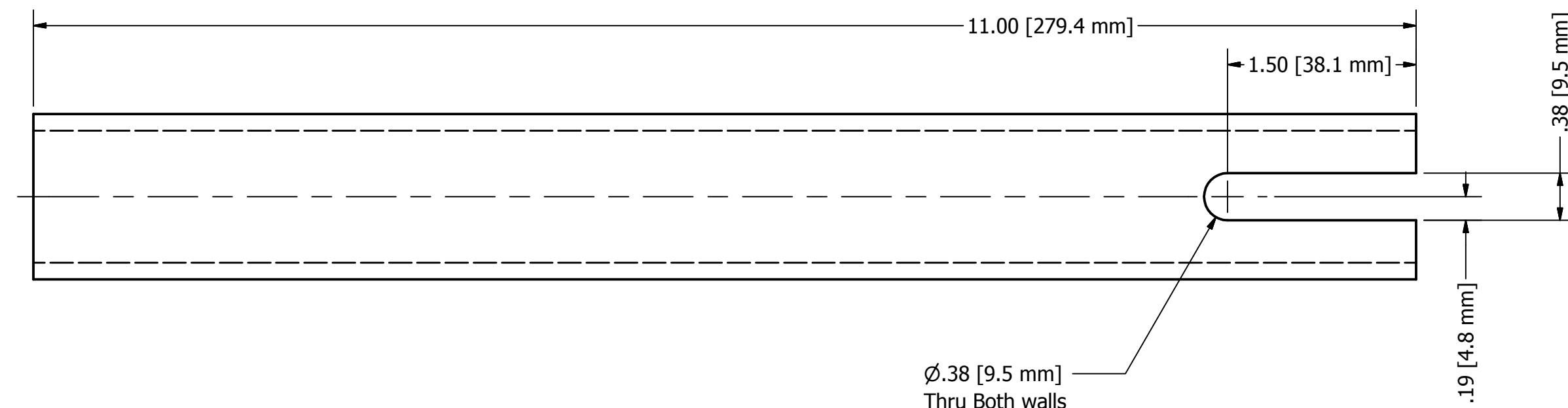
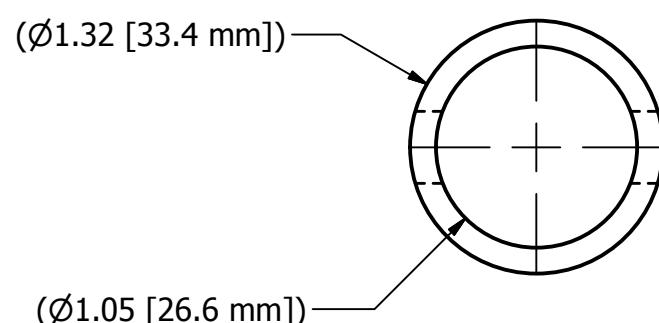
C

C

Item: 1, GE-13021-01, Horizontal Bar
Material: 1-1/2" x .083" Wall thickness, 1020 DOM Structural steel round tube
Scale: 1/1
QTY: 1

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Item: 2, GE-13021-02, Insert
Material: 1" Schedule 40, A500 steel tube
Scale: 1/1
QTY: 2

DRAWN mcyr	10/4/2012	FIRST				
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907				
UNLESS OTHERWISE SPECIFIED						
TOLERANCES: (INCHES)			TITLE			
FRAC.	+/- 1/32	Middle Rung, Pyramid				
.00	+/- .01					
.000	+/- .005	SIZE	DWG NO	REV		
ANGULAR	+/- .25 Deg.	C	GE-13021	1		
SCALE						
SHEET 3 OF 3						

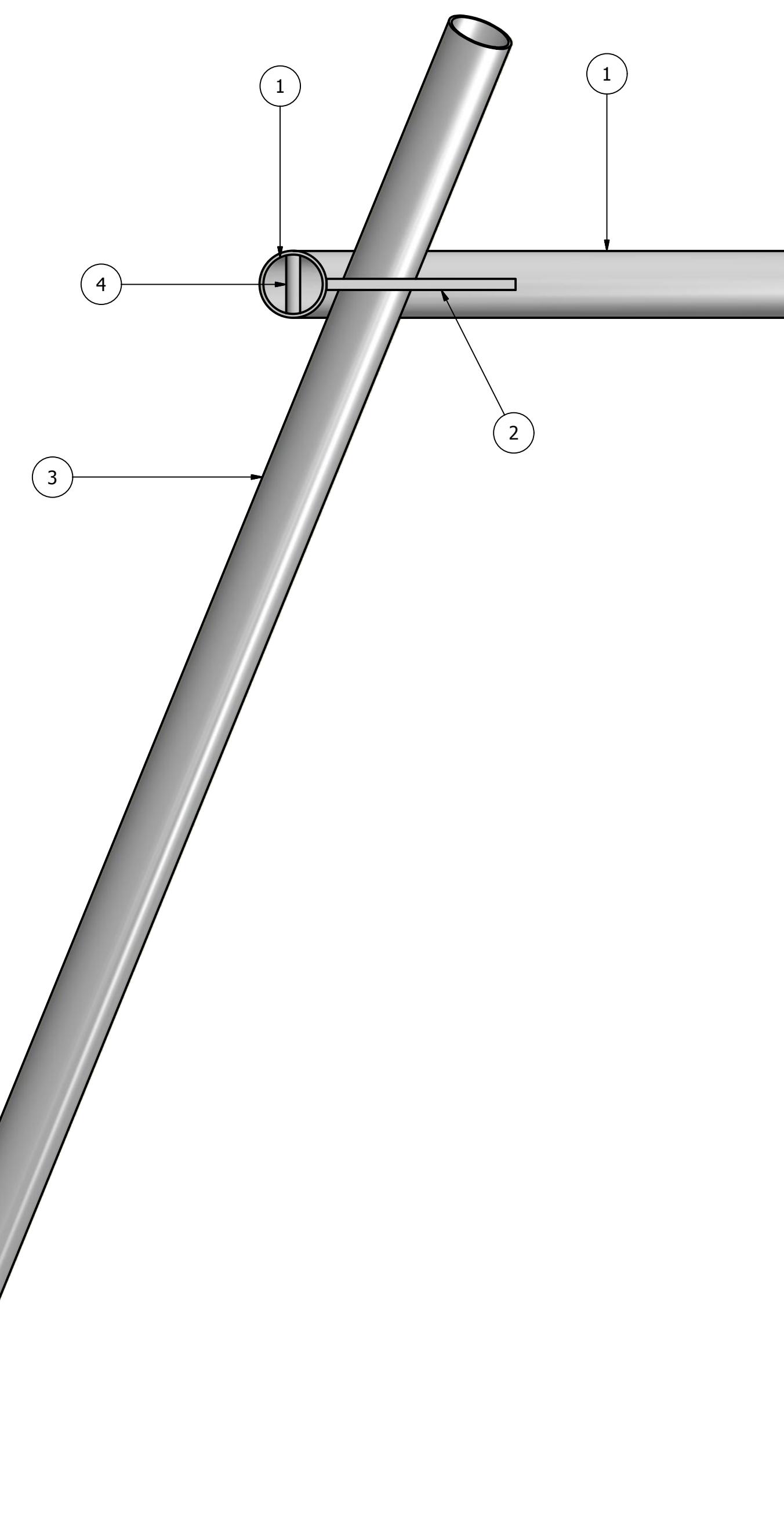
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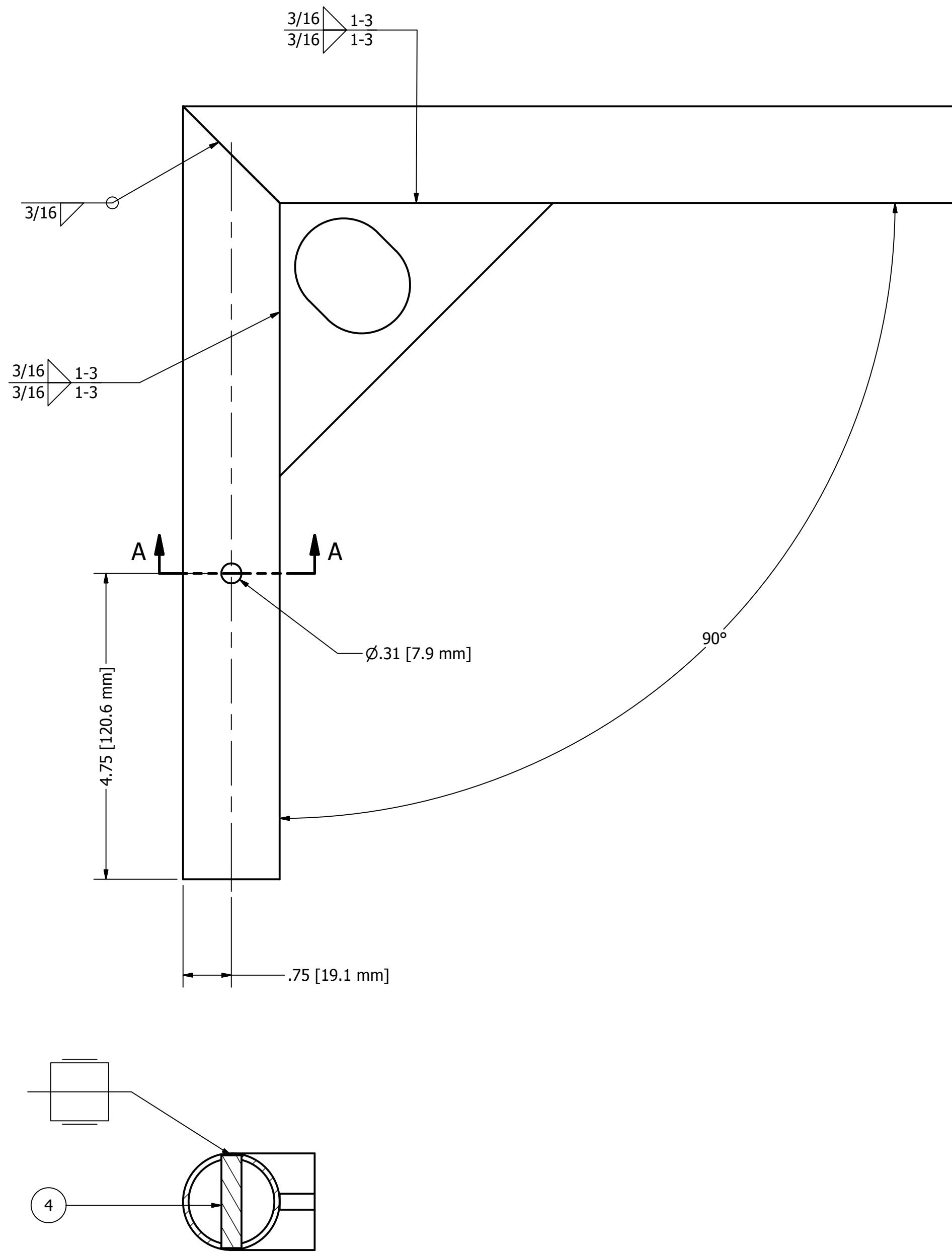
4	3	2	1
REVISION HISTORY			
ZONE	REV	DESCRIPTION	DATE APPROVED
A-3	1	Added PMS color numbers to the notes	10/22/2012 MLC



NOTE:
1.) Finish: Powder coat outside of tube only, Red PMS #485 or Blue PMS #286

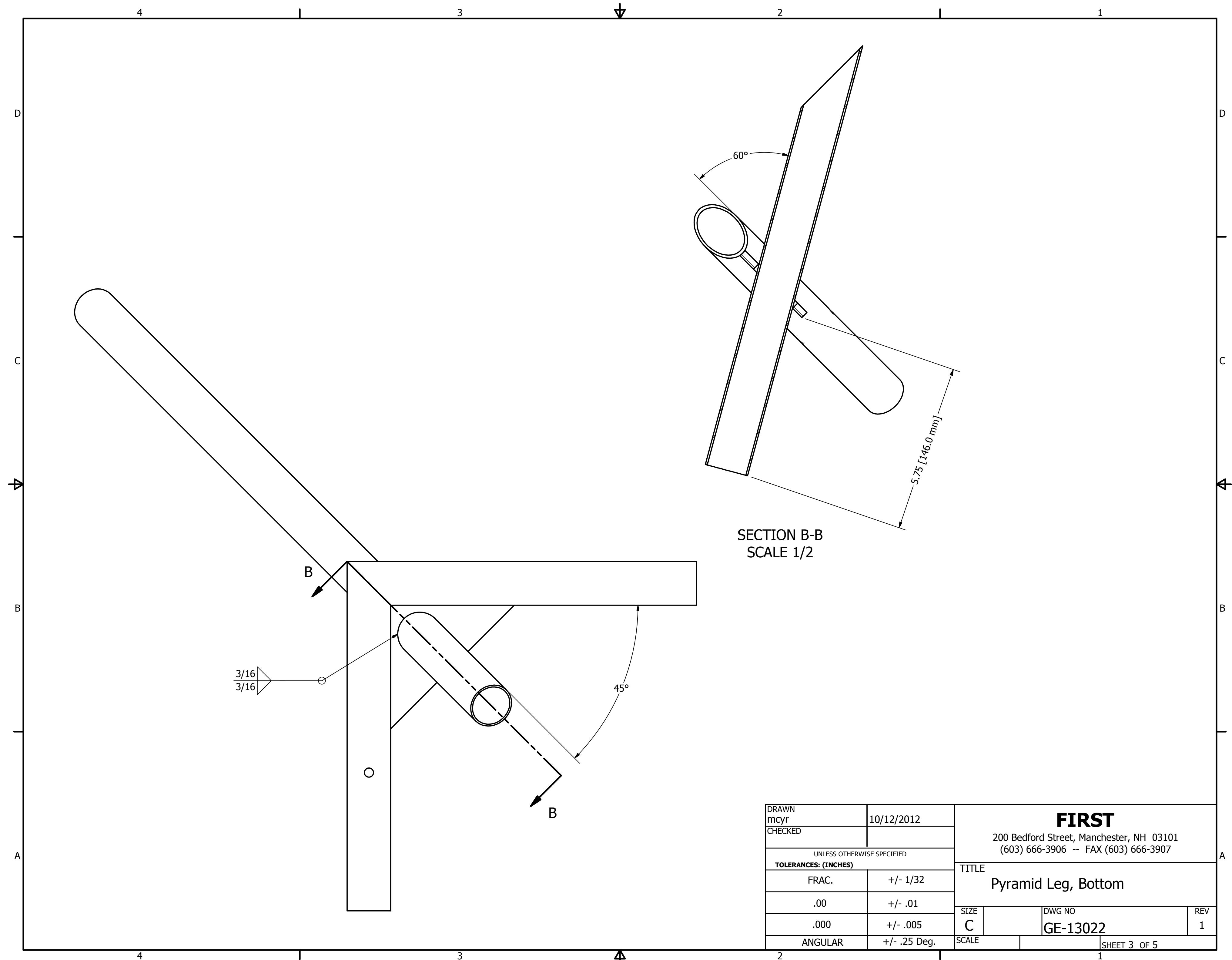
PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	GE-13022-01	Corner Tube
2	1	GE-13022-02	Gusset
3	1	GE-13022-03	Center Tube
4	1	GE-13022-04	Tube Stop

DRAWN mcyr	10/12/2012	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-13022	
		REV	
		1	
		SHEET 1 OF 5	



SECTION A-A
SCALE 1/1.5

DRAWN mcyr	10/12/2012	FIRST 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
CHECKED				
UNLESS OTHERWISE SPECIFIED		TITLE Pyramid Leg, Bottom		
TOLERANCES: (INCHES)				
FRAC.	+/- 1/32			
.00	+/- .01			
.000	+/- .005	SIZE C	DWG NO GE-13022	REV
ANGULAR	+/- .25 Deg.			
		SCALE		SHEET 2 OF 5



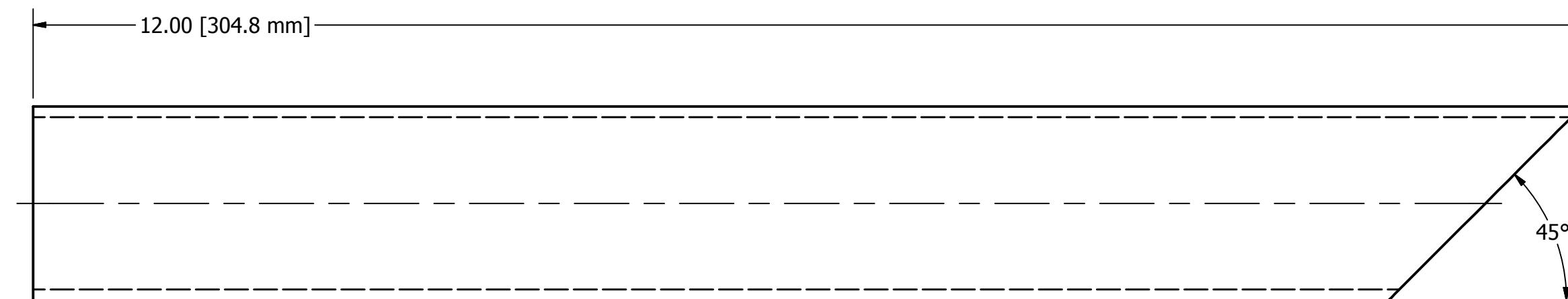
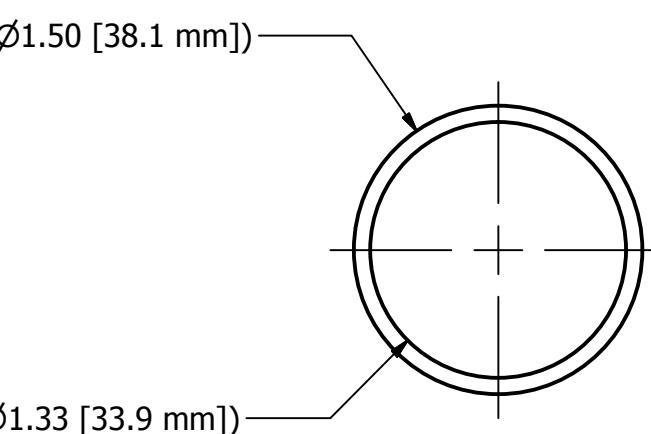
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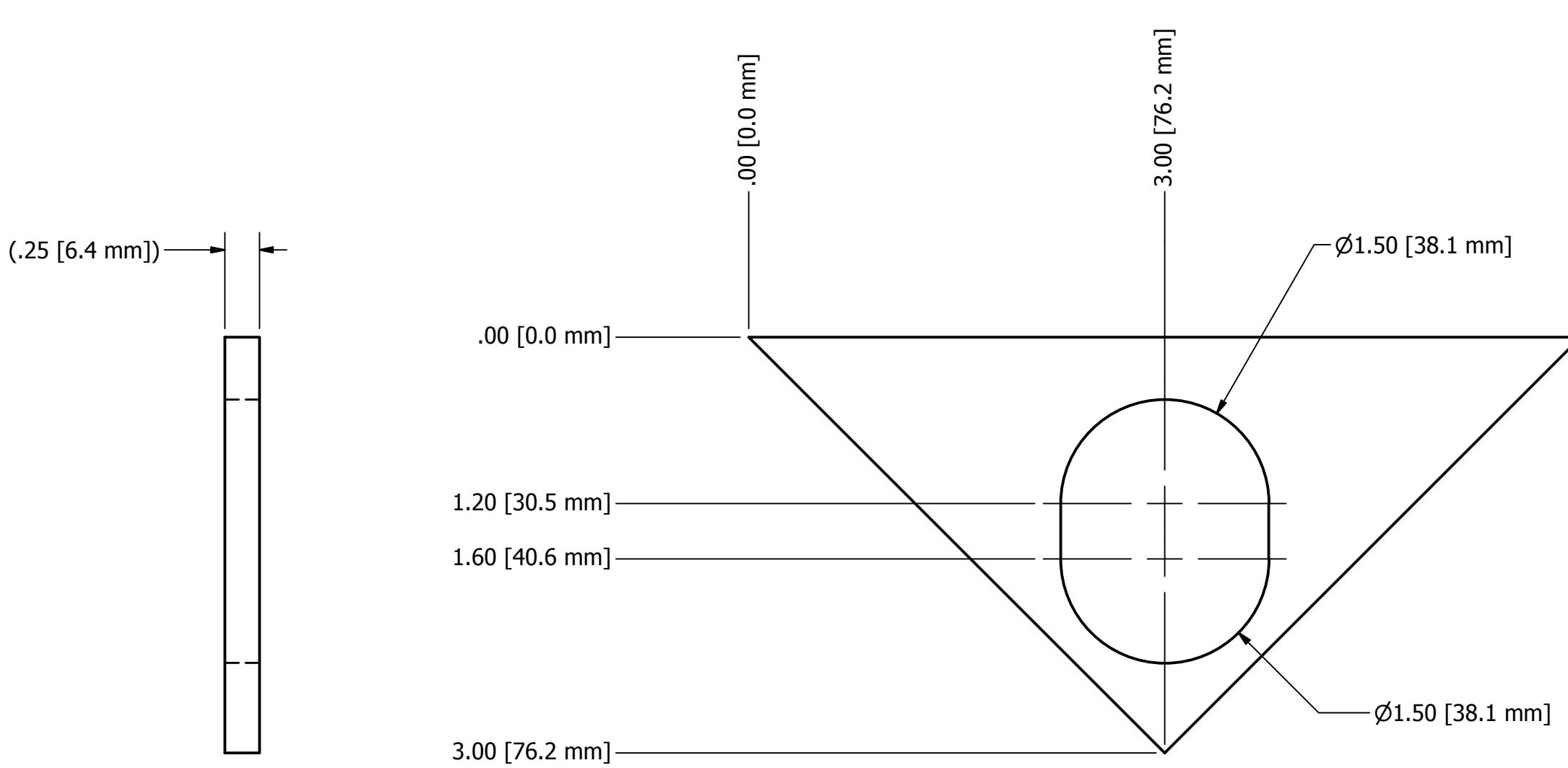
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Item: 1, GE-13022-01, Corner Tube
Material: 1-1/2" x .083" wall thickness, 1020 DOM Structural steel round tube
Scale: 1/1
QTY: 2

D



Item: 2, GE-13022-02, Gusset
Material: 1/4" Thick, 1018 Steel Plate
Scale: 1/1
QTY: 1

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DRAWN mcyr	10/12/2012	FIRST		
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
UNLESS OTHERWISE SPECIFIED				
TOLERANCES: (INCHES)		TITLE		
FRAC.	+/-.1/32	Pyramid Leg, Bottom		
.00	+.01	SIZE		
.000	+.005	DWG NO		
ANGULAR	+.25 Deg.	SCALE		REV
				1
SHEET 4 OF 5				

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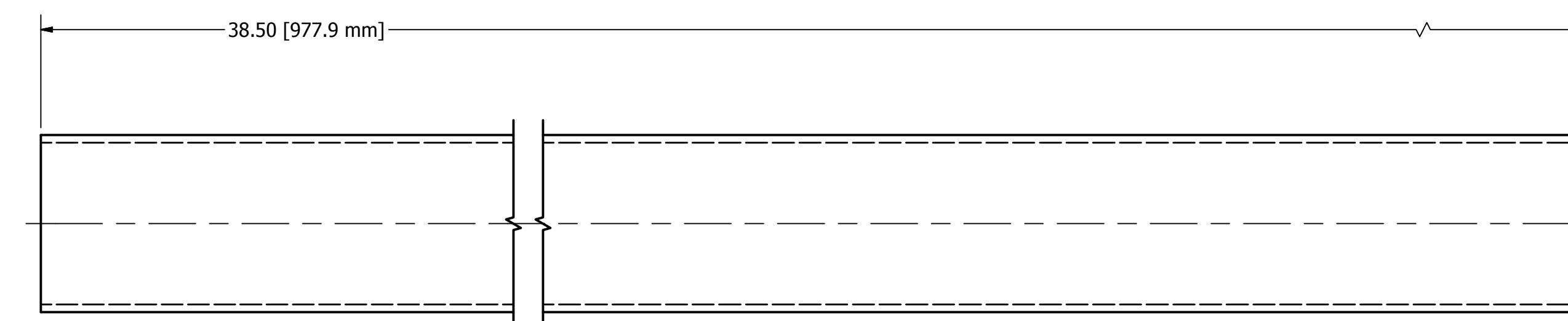
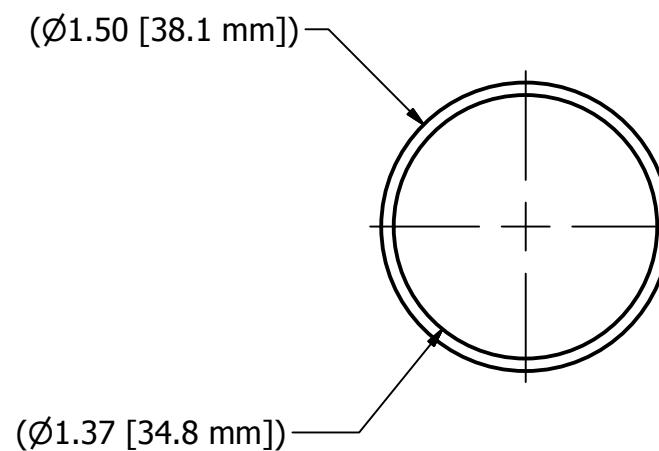
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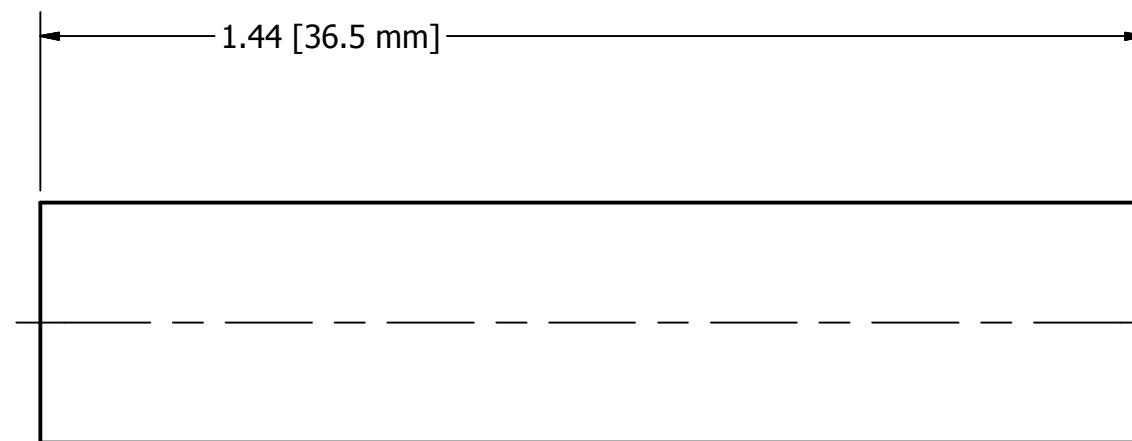
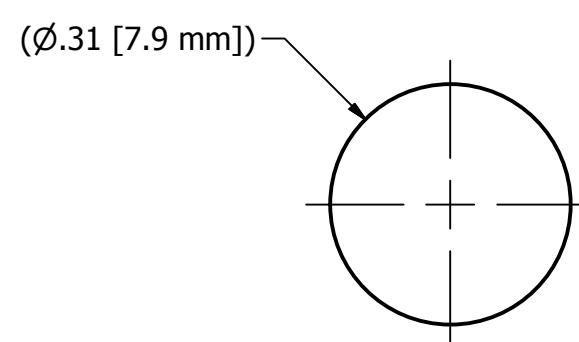
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Item: 3, GE-13022-03, Center Tube
Material: 1-1/2" x .083" wall thickness, 1020 DOM Structural steel round tube
Scale: 1/1
QTY: 1

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Item: 4, GE-13022-04, Tube Stop
Material: .31" OD, 1018 Steel Round Bar
Scale: 1/1
QTY: 1

DRAWN mcyr	10/12/2012	FIRST				
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907				
UNLESS OTHERWISE SPECIFIED						
TOLERANCES: (INCHES)			TITLE			
FRAC.	+/- 1/32	Pyramid Leg, Bottom				
.00	+/- .01					
.000	+/- .005	SIZE C	DWG NO GE-13022	REV 1		
ANGULAR	+/- .25 Deg.	SCALE	SHEET 5 OF 5			

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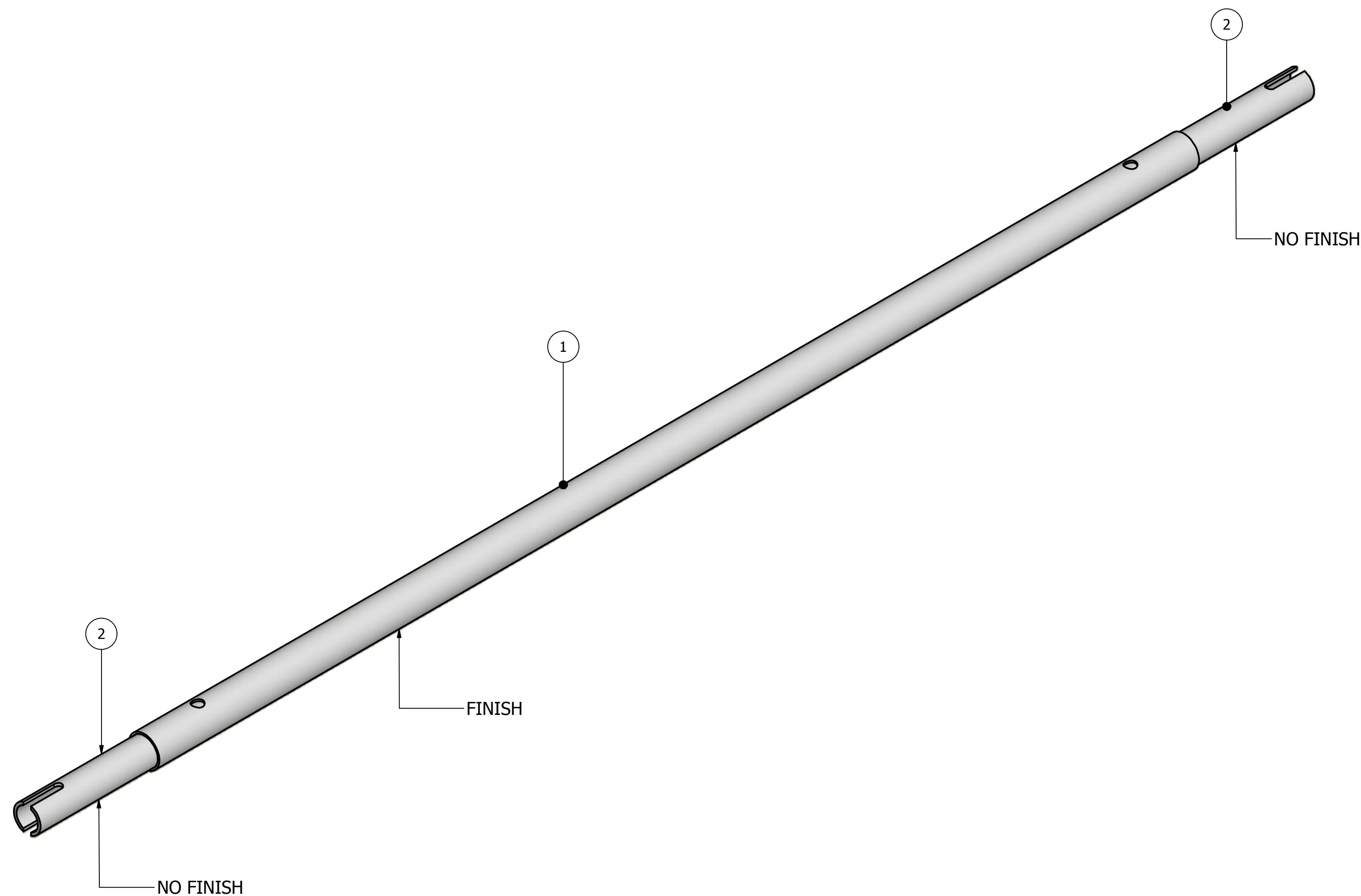
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4		3		2		1
REVISION HISTORY						
ZONE	REV	DESCRIPTION		DATE	APPROVED	

A-3	1	Added PMS color numbers to the notes	10/22/2012	MLC
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NOTE:
1.) Finish: Powder coat Red PMS #485 or Blue PMS #286

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	GE-13023-01	Horizontal Bar
2	2	GE-13023-02	Insert

DRAWN mcyr	10/4/2012	FIRST 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907	
CHECKED			
UNLESS OTHERWISE SPECIFIED			
TOLERANCES: (INCHES)		TITLE	Lower Rung, Pyramid
FRAC.	+/- 1/32	SIZE	DWG NO
.00	+/- .01	C	GE-13023
.000	+/- .005	SCALE	REV
ANGULAR	+/- .25 Deg.		1
		SHEET 1 OF 3	

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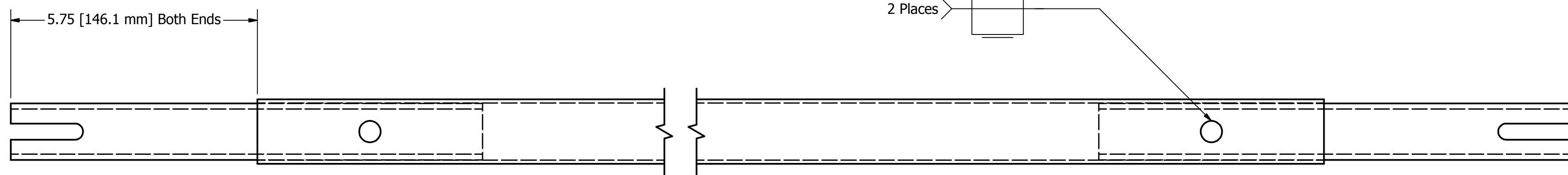
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DRAWN mcyr	10/4/2012	FIRST					
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907					
UNLESS OTHERWISE SPECIFIED							
TOLERANCES: (INCHES)							
FRAC.	+/- 1/32	TITLE					
.00	+/- .01	Lower Rung, Pyramid					
.000	+/- .005	SIZE	DWG NO	REV			
ANGULAR	+/- .25 Deg.	C	GE-13023	1			
SCALE			SHEET 2 OF 3				

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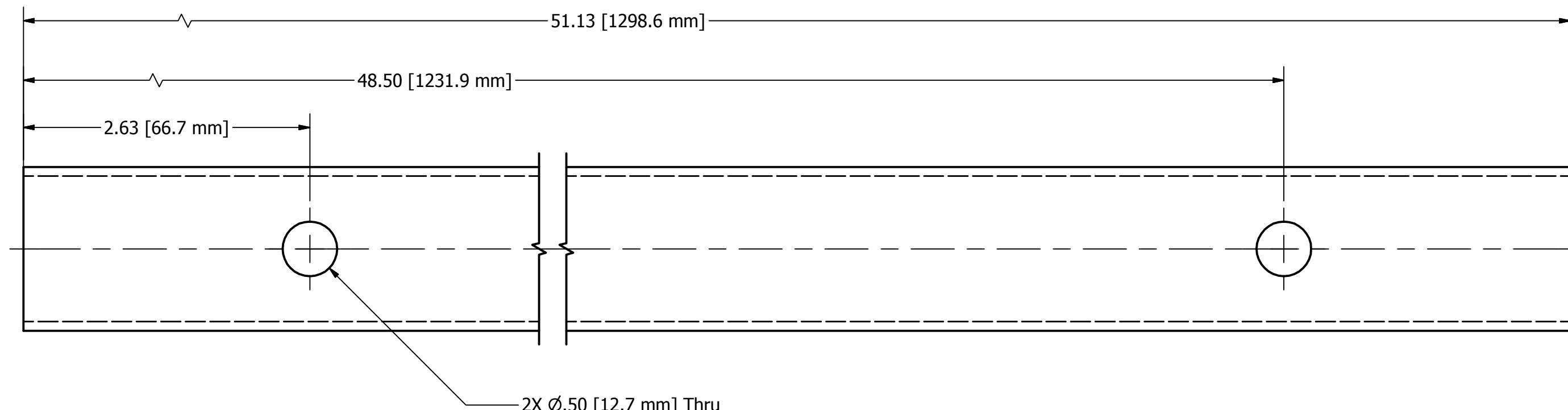
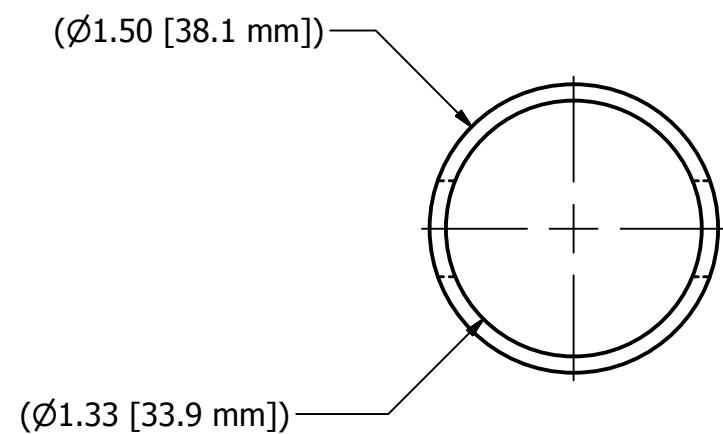
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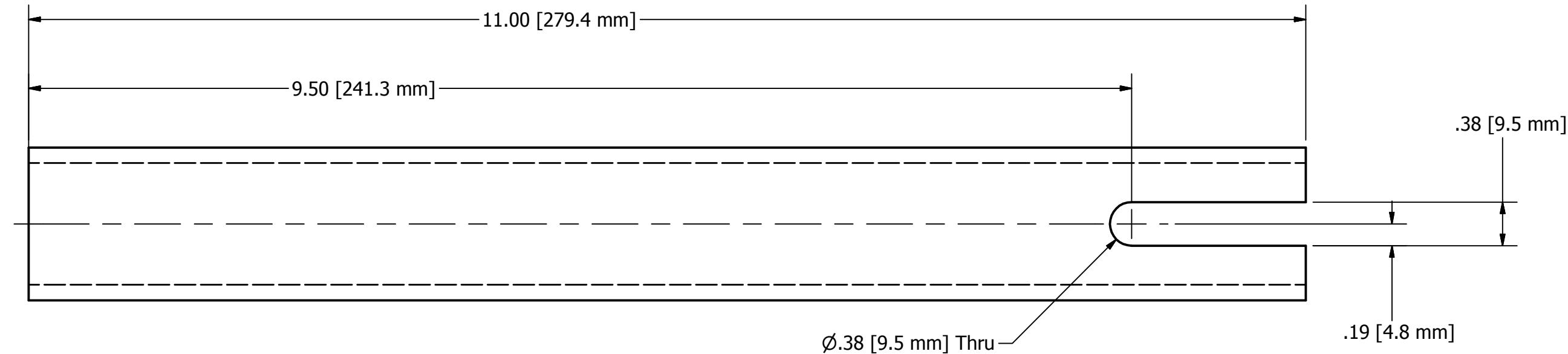
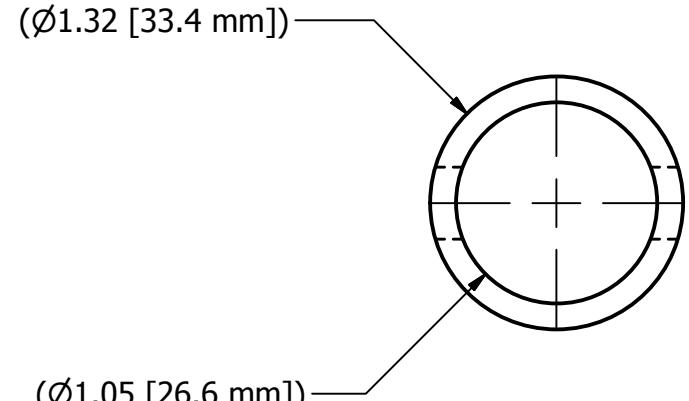
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Item: 1, GE-13023-01, Horizontal Bar
Material: 1-1/2" x .083" Wall thickness, 1020 DOM Structural steel round tube
Scale: 1/1
QTY: 1

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Item: 2, GE-13023-02, Insert
Material: 1" Schedule 40, A500 steel tube
Scale: 1/1
QTY: 2

DRAWN mcyr	10/4/2012	FIRST				
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907				
UNLESS OTHERWISE SPECIFIED						
TOLERANCES: (INCHES)			TITLE			
FRAC.	+/- 1/32	Lower Rung, Pyramid				
.00	+/- .01					
.000	+/- .005	SIZE	DWG NO	REV		
ANGULAR	+/- .25 Deg.	C	GE-13023	1		
SCALE			SHEET 3 OF 3			

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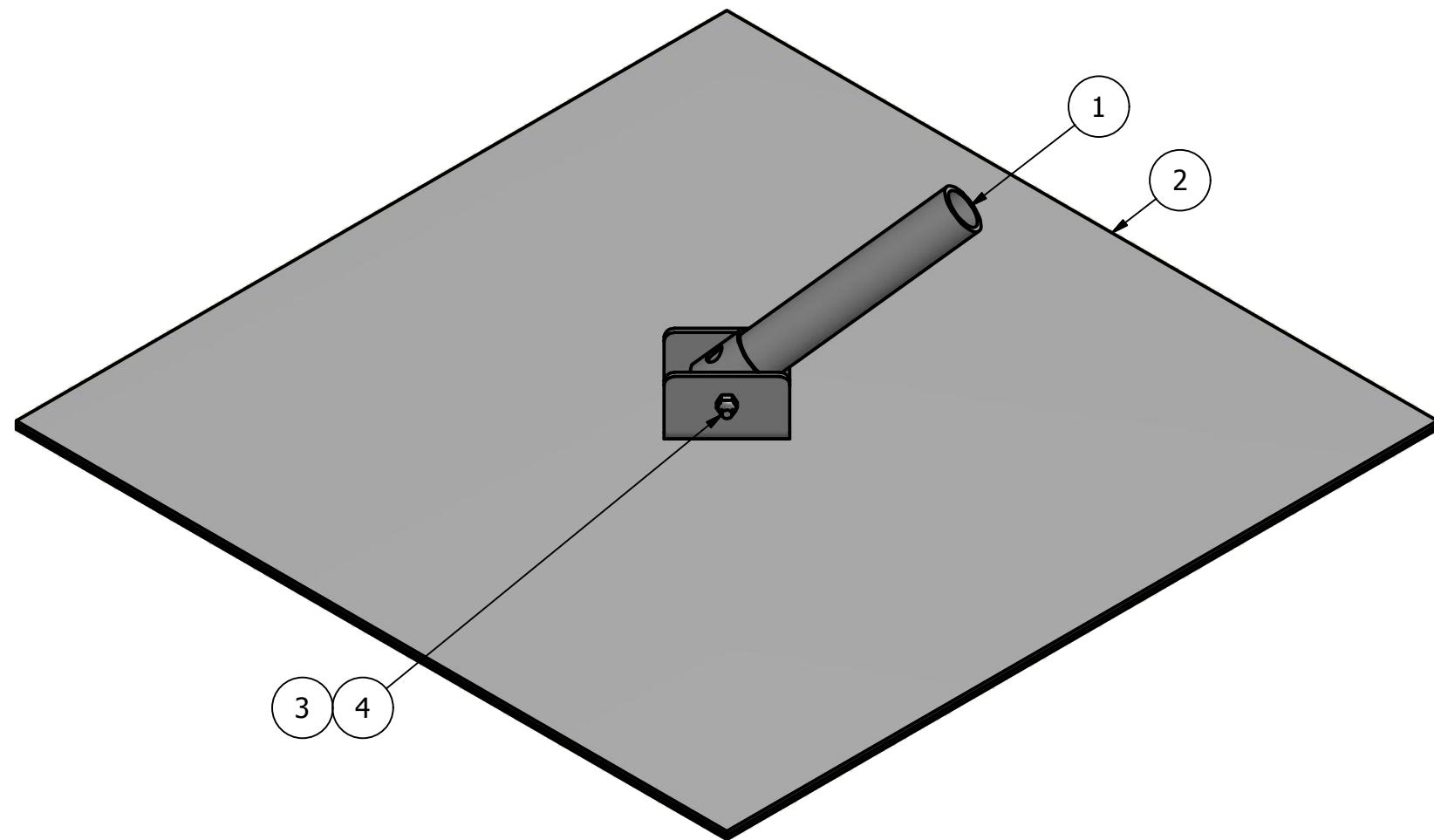
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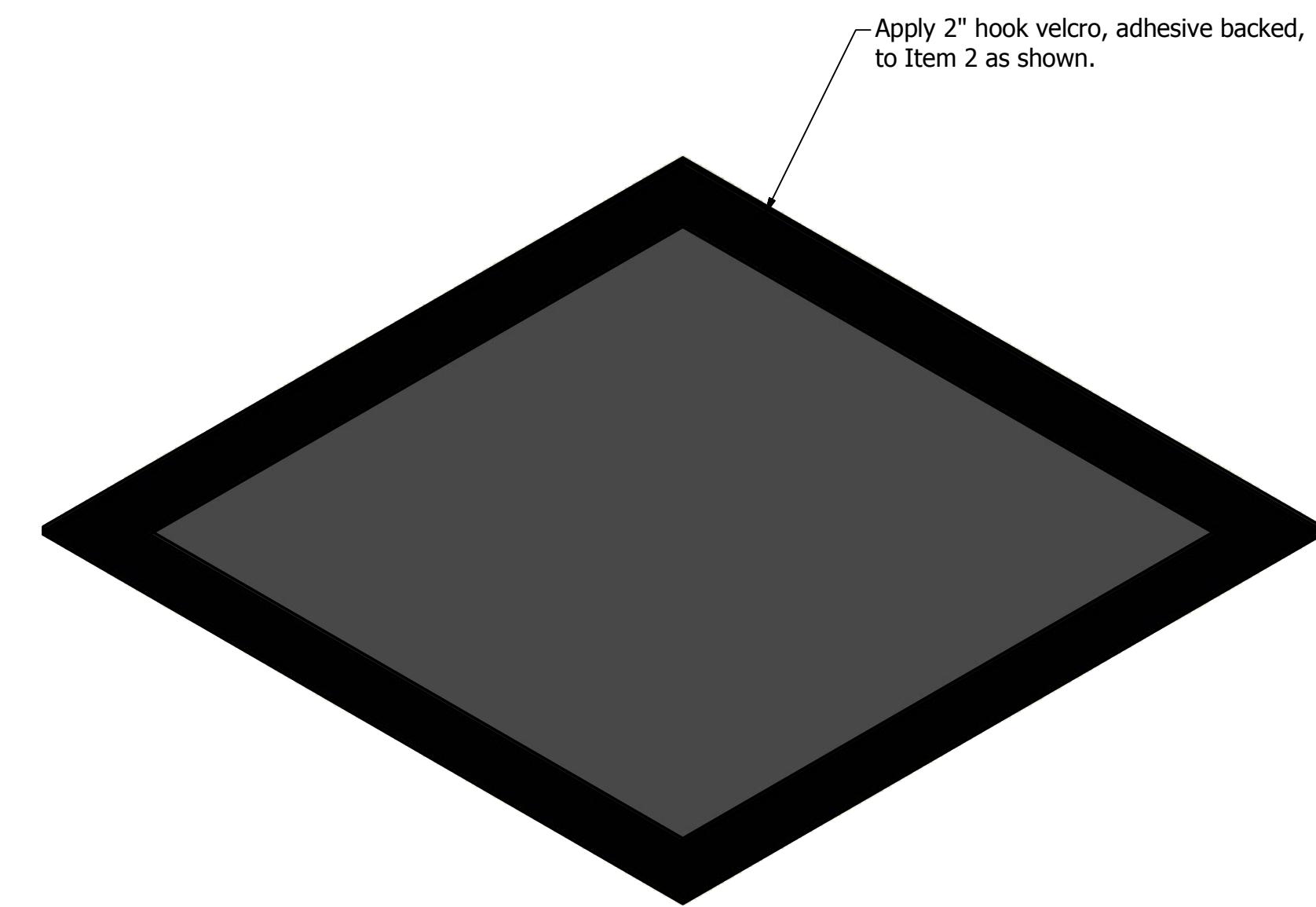
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Top View



Bottom View

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	GE-13026	Base Tube, Pyramid
2	1	GE-13025	Base Plate, Pyramid
3	1	HW-00002	Nut, Lock 1/4-20
4	1	HW-00063	HHCS 1/4-20 x 2.5" Zinc Plate

DRAWN mcyr	10/11/2012	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-13024		
	SHEET 1 OF 1		

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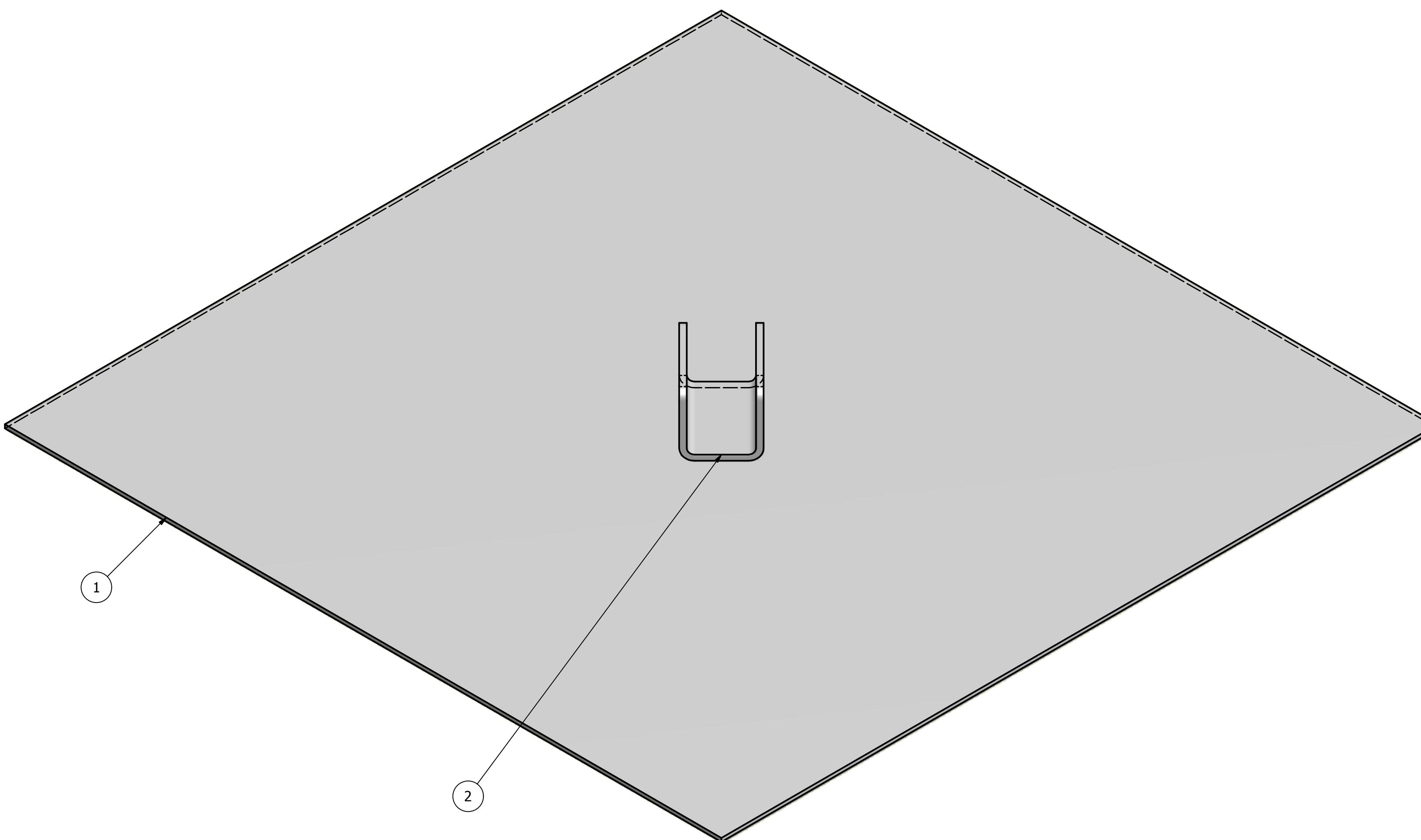
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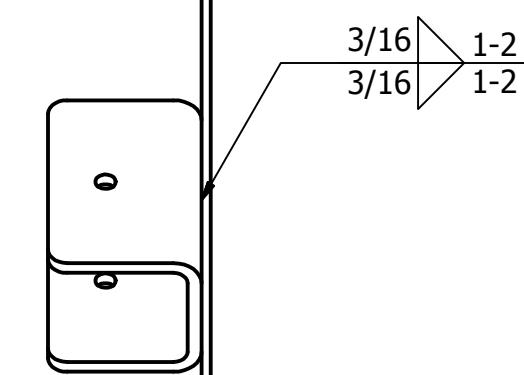
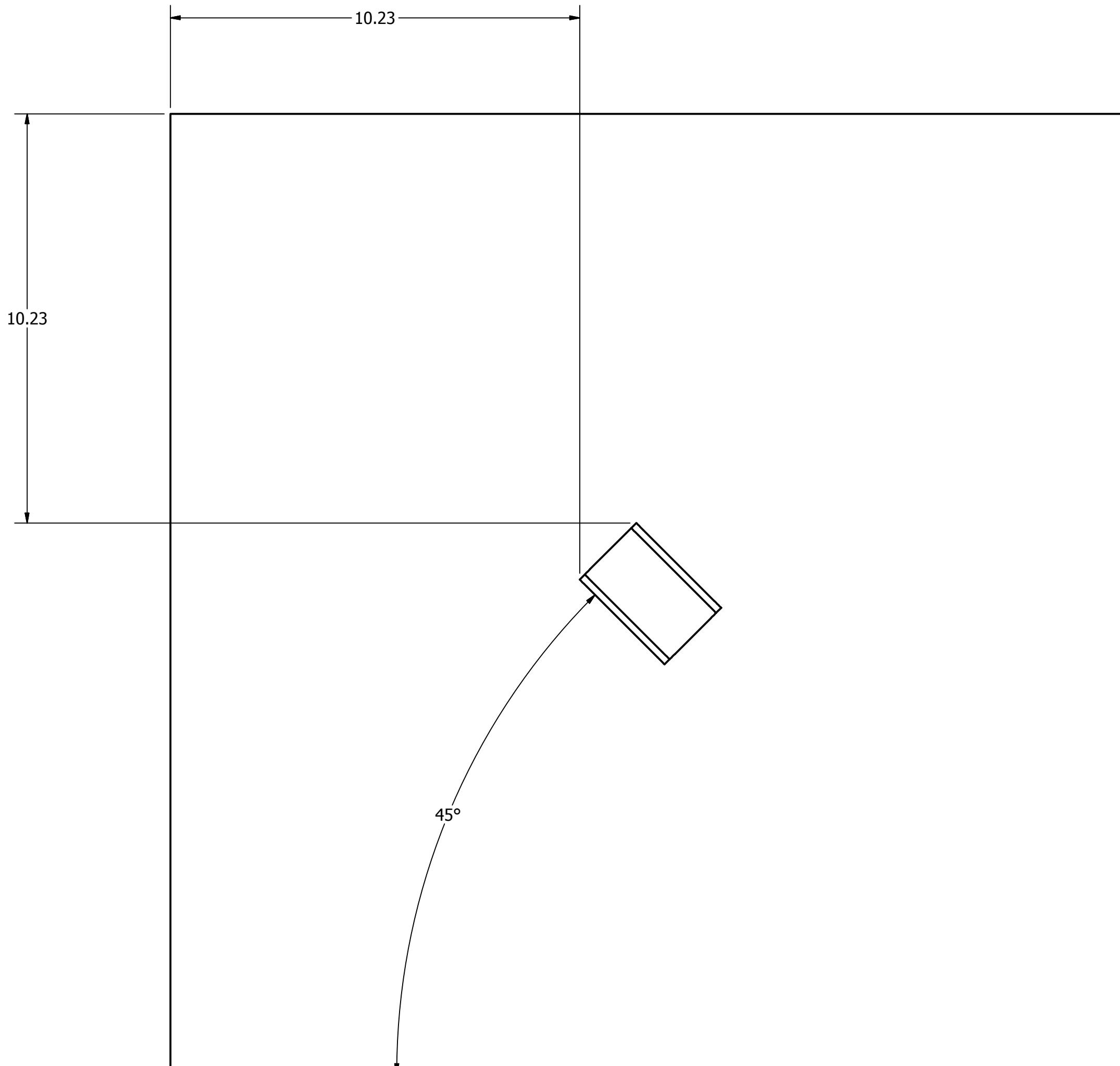
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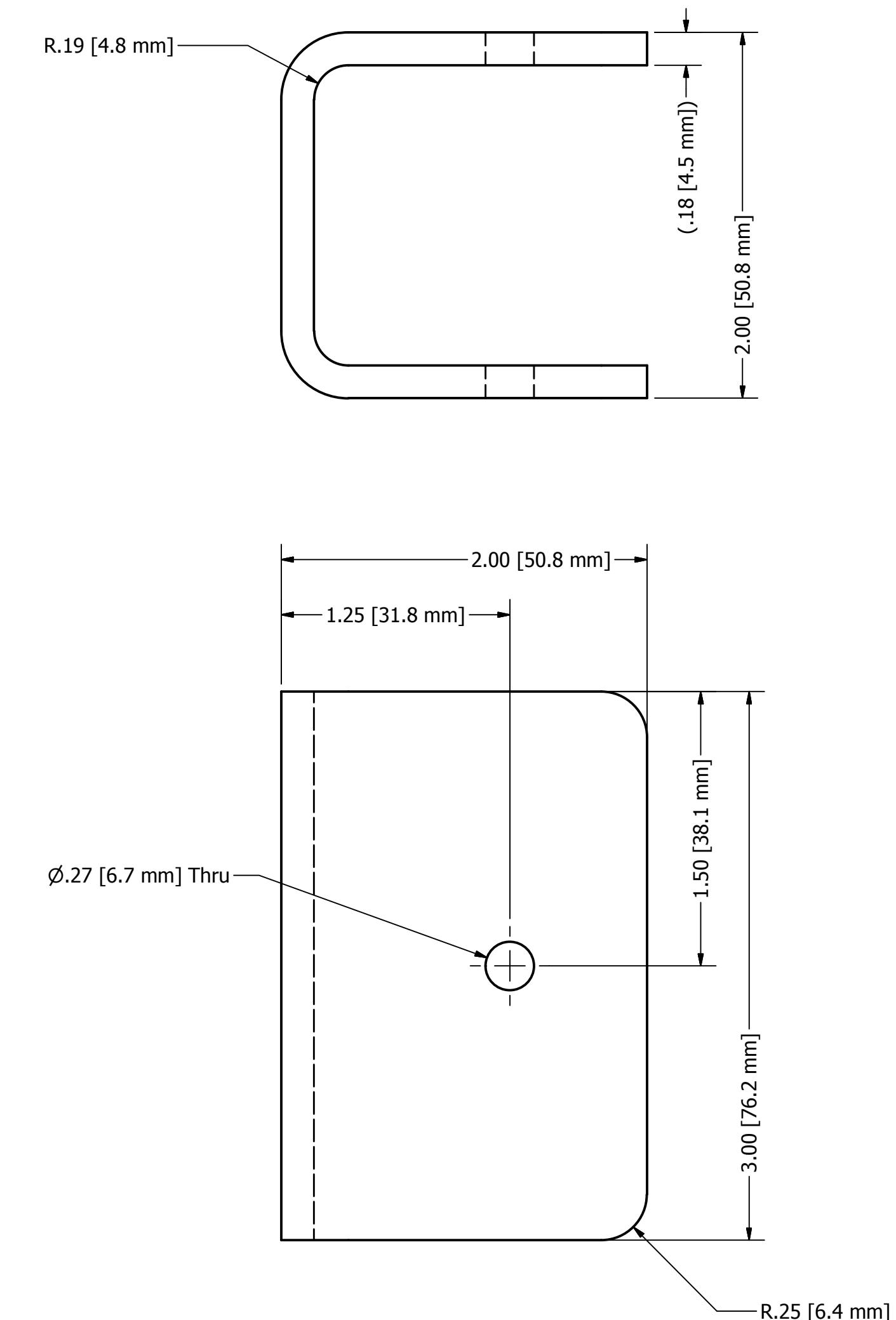
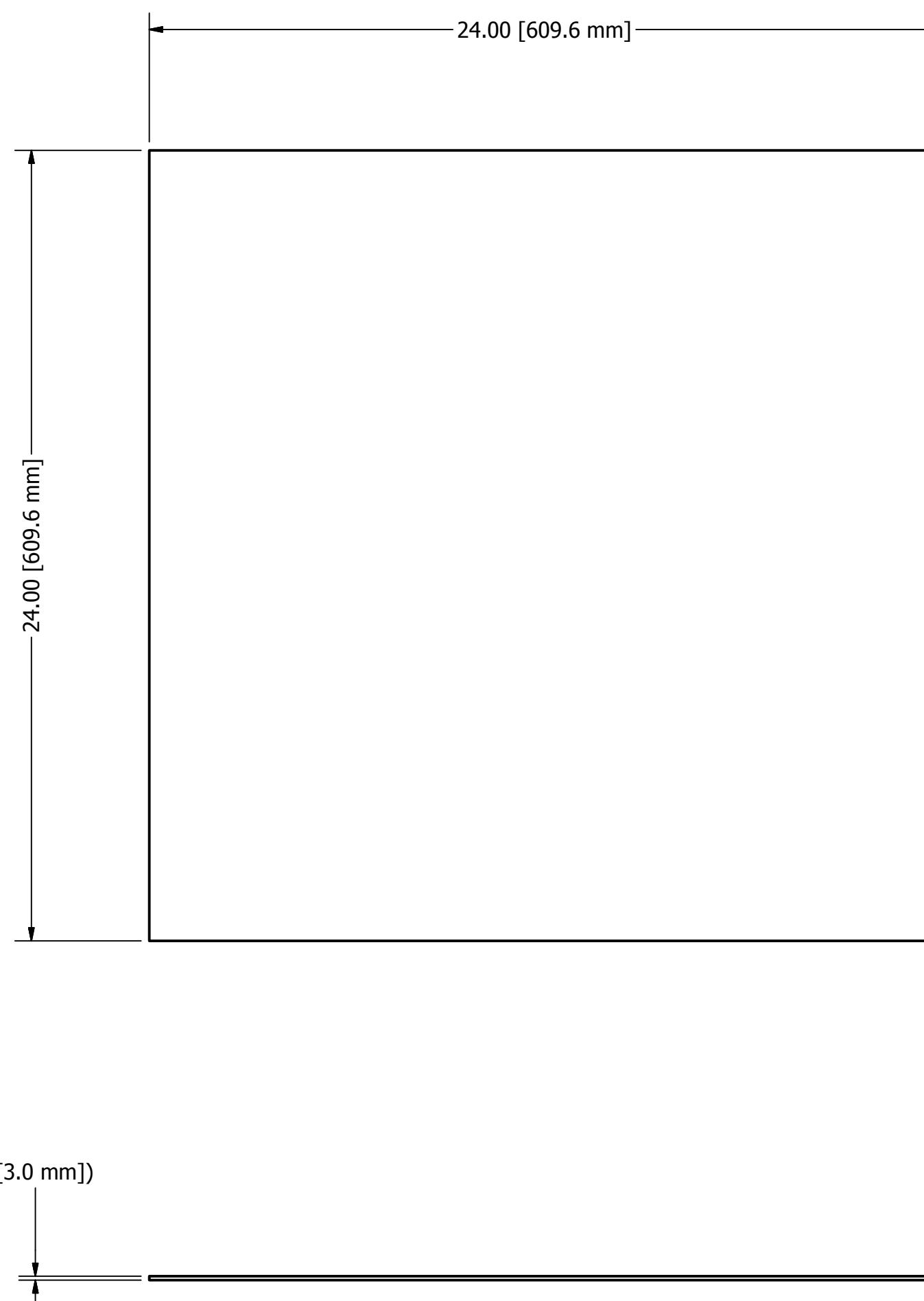
PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	GE-13025-01	Base Plate
2	1	GE-13025-02	Mounting Bracket

DRAWN mcyr	10/11/2012	FIRST 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	Base Plate, Pyramid
.000			+/- .005	SIZE C
ANGULAR			+/- .25 Deg.	DWG NO GE-13025
		SCALE		REV
				SHEET 1 OF 3

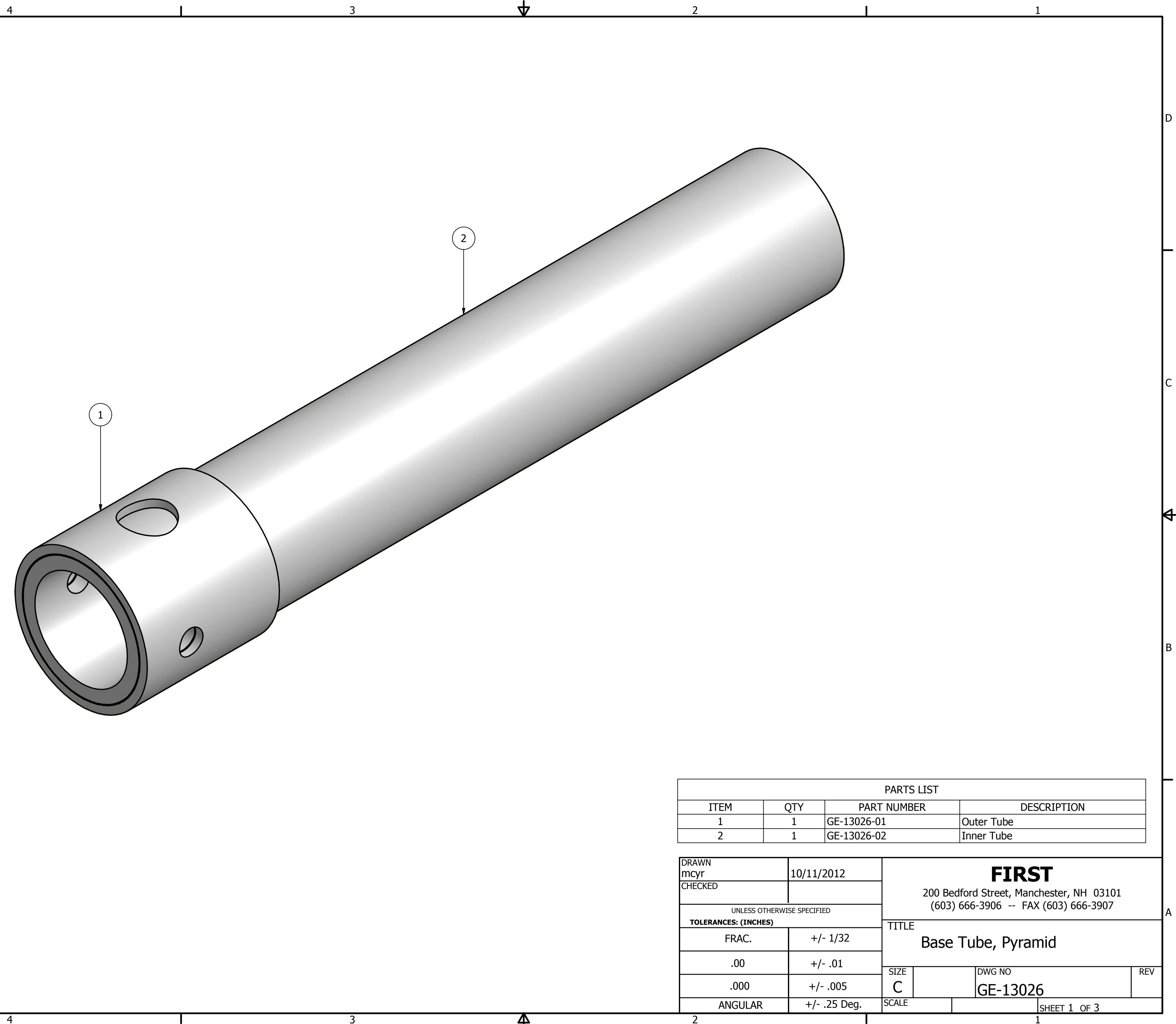
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DRAWN mcyr	10/11/2012	FIRST 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
CHECKED				
UNLESS OTHERWISE SPECIFIED				
TOLERANCES: (INCHES)		TITLE Base Plate, Pyramid		
FRAC.	+/- 1/32			
.00	+/- .01	SIZE	DWG NO	REV
.000	+/- .005			
ANGULAR	+/- .25 Deg.	SCALE		SHEET 2 OF 3



DRAWN mcyr	10/11/2012	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 Plate, Pyramid				
.00	+/- .01					
.000	+/- .005	SIZE	DWG NO	REV		
ANGULAR	+/- .25 Deg.	C	GE-13025			
SCALE						
SHEET 3 OF 3						



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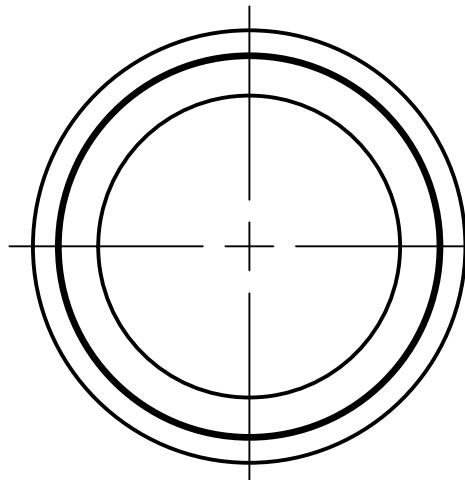
B

B

Tubes to be flu

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\varnothing .27 Thru
Drill Hole after welding



DRAWN mcyr	10/11/2012	FIRST 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
CHECKED				
UNLESS OTHERWISE SPECIFIED				
TOLERANCES: (INCHES)		TITLE Base Tube, Pyramid		
FRAC.	+/- 1/32			
.00	+/- .01	SIZE C	DWG NO GE-13026	REV
.000	+/- .005			
ANGULAR	+/- .25 Deg.	SCALE		SHEET 2 OF 3

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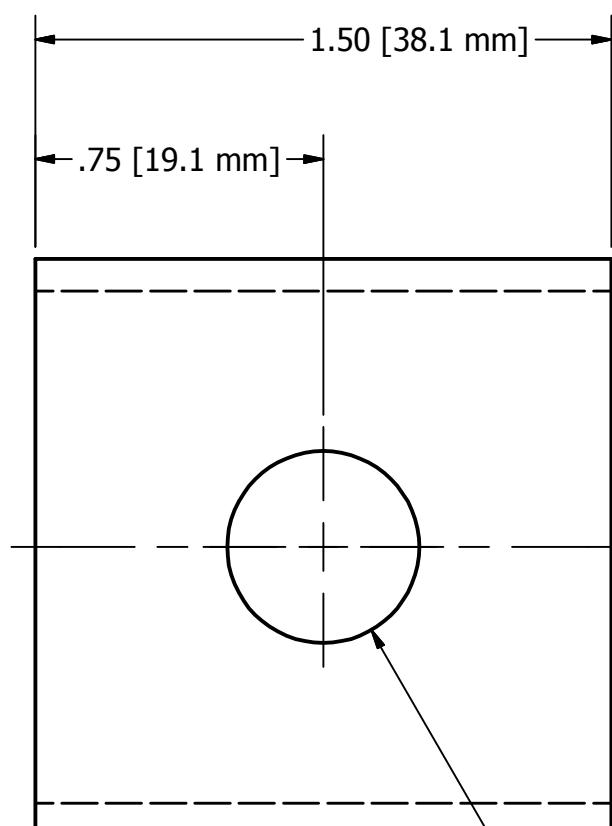
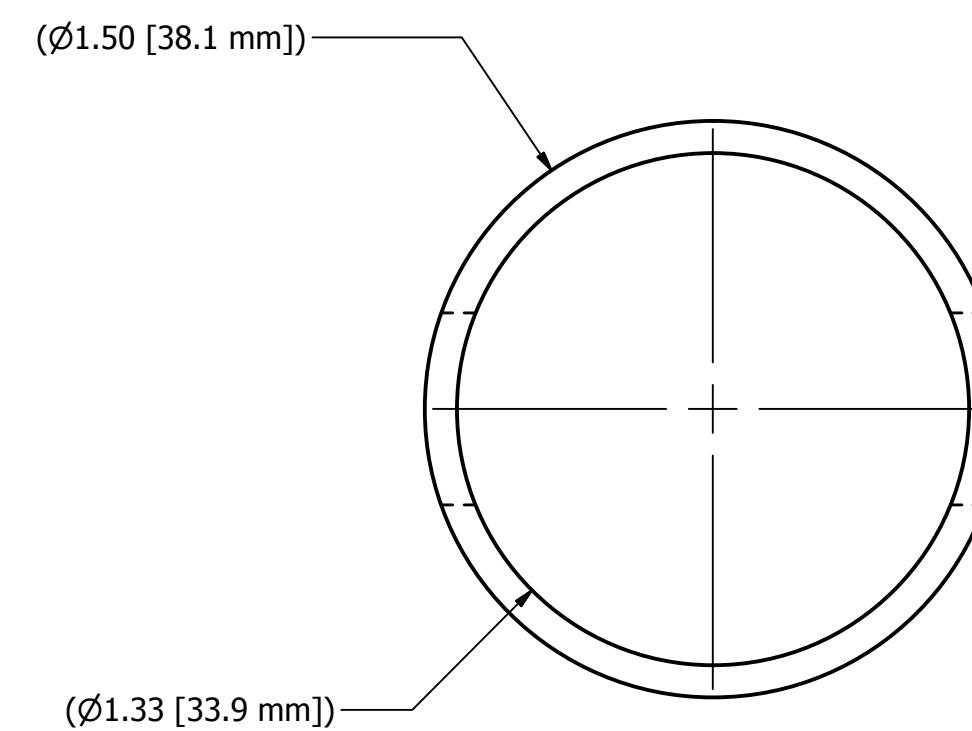
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Ø.50 [12.7 mm] Thru

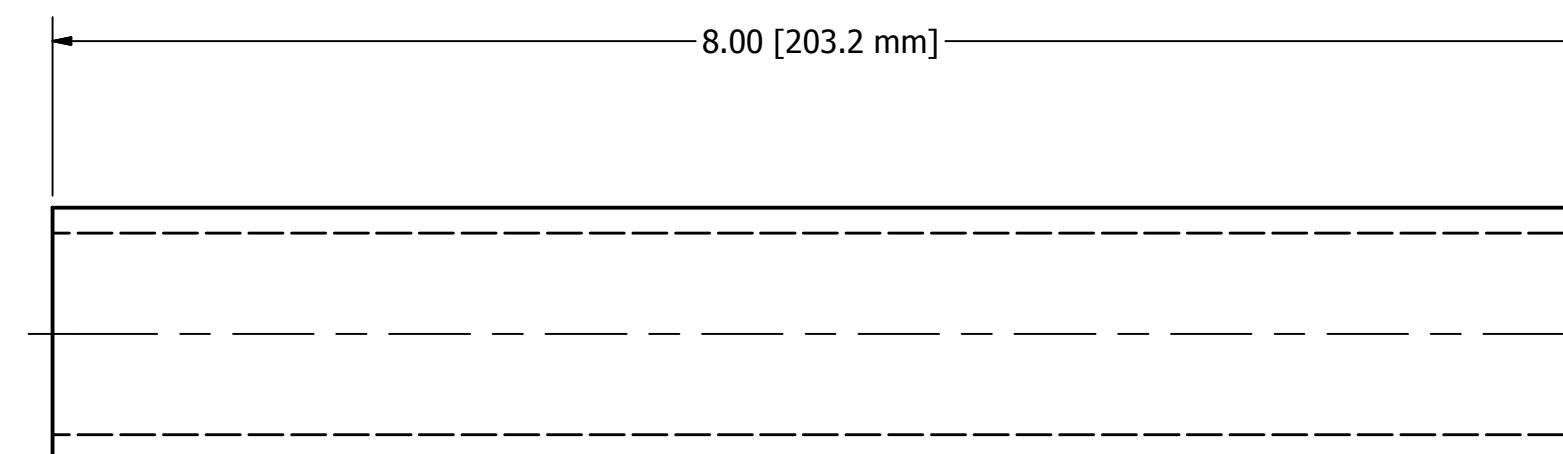
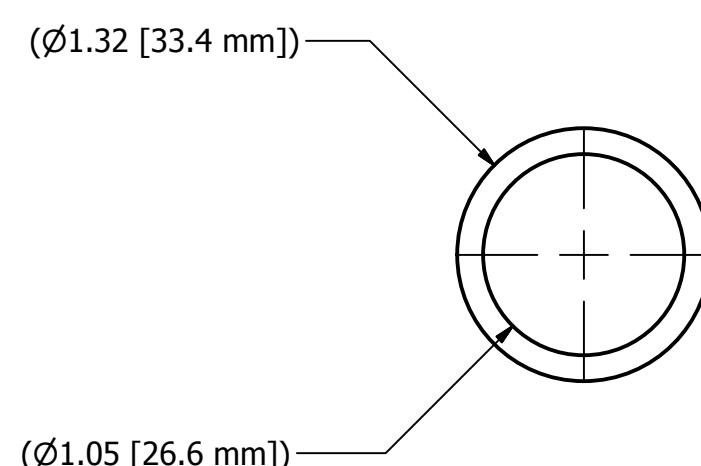
C

C

Item: 1, GE-13026-01, Outer Tube
Material: 1-1/2" x .083" wall thickness, 1020 DOM Structural Steel Round Tube
Scale: 2:1
QTY: 1

A

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A

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Item: 2, GE-13026-02, Inner Tube
Material: 1" Schedule 40, A500 Steel Tube
Scale: 1/1
QTY: 1

DRAWN mcyr	10/11/2012	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 Tube, Pyramid					
.00	+/- .01						
.000	+/- .005	SIZE C	DWG NO GE-13026	REV			
ANGULAR	+/- .25 Deg.	SCALE		SHEET 3 OF 3			

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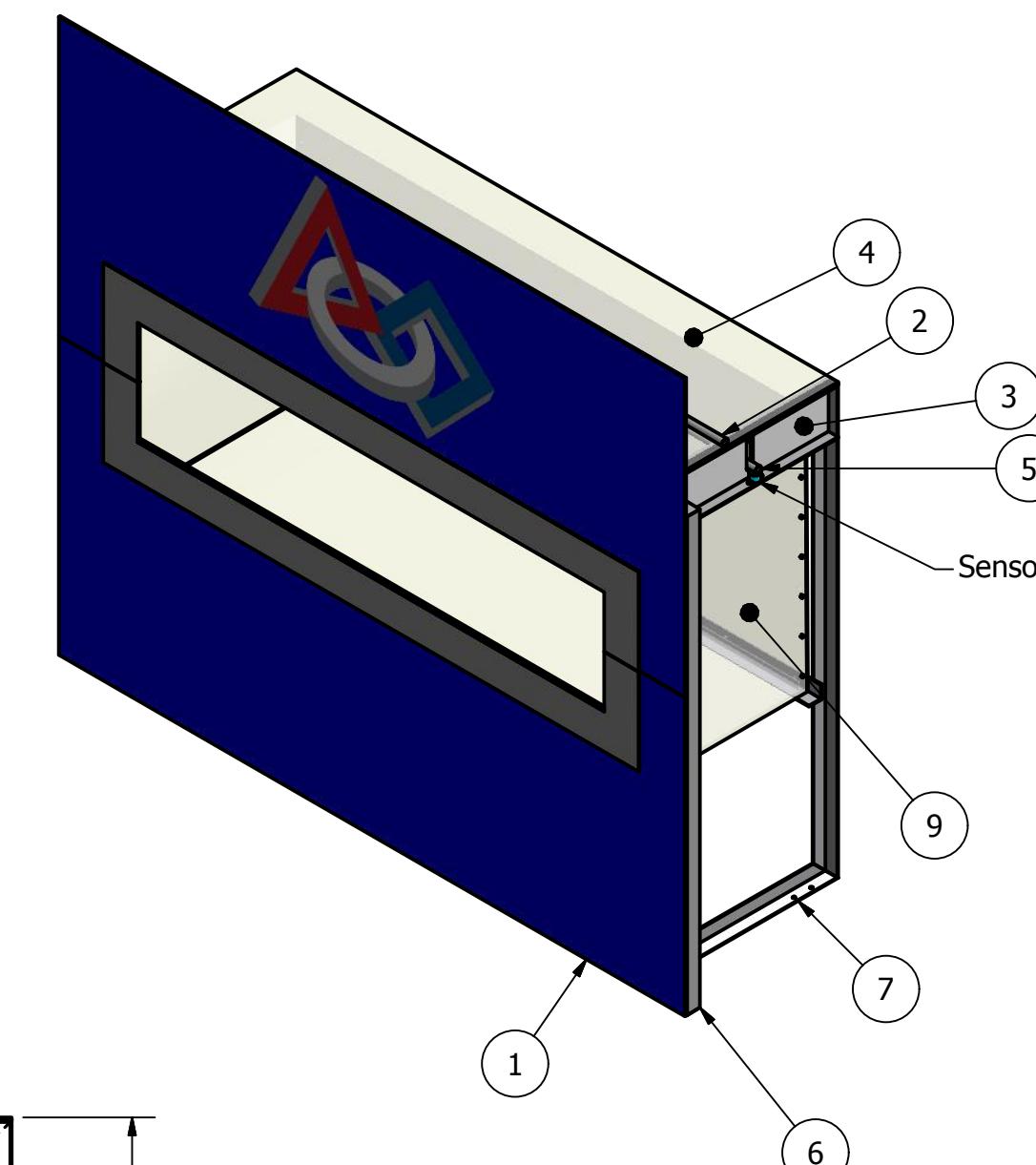
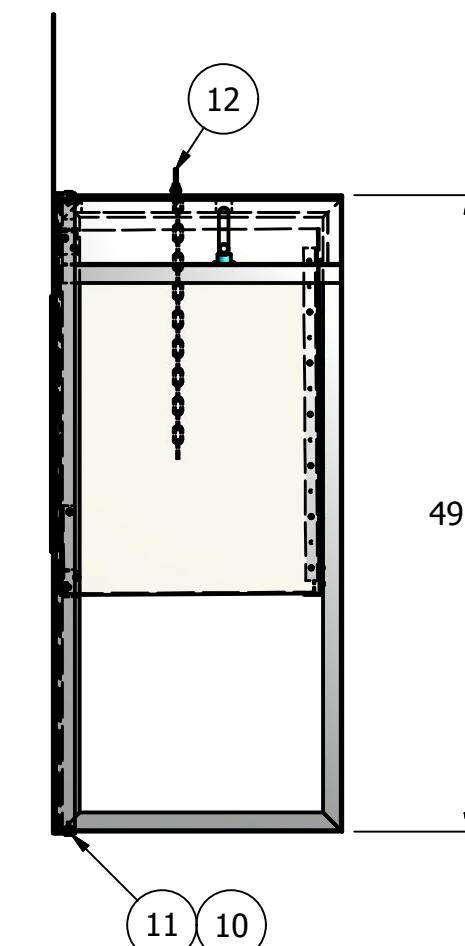
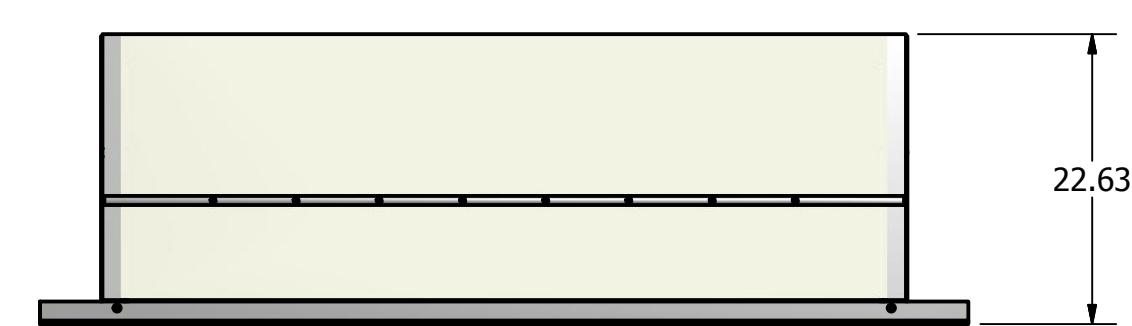
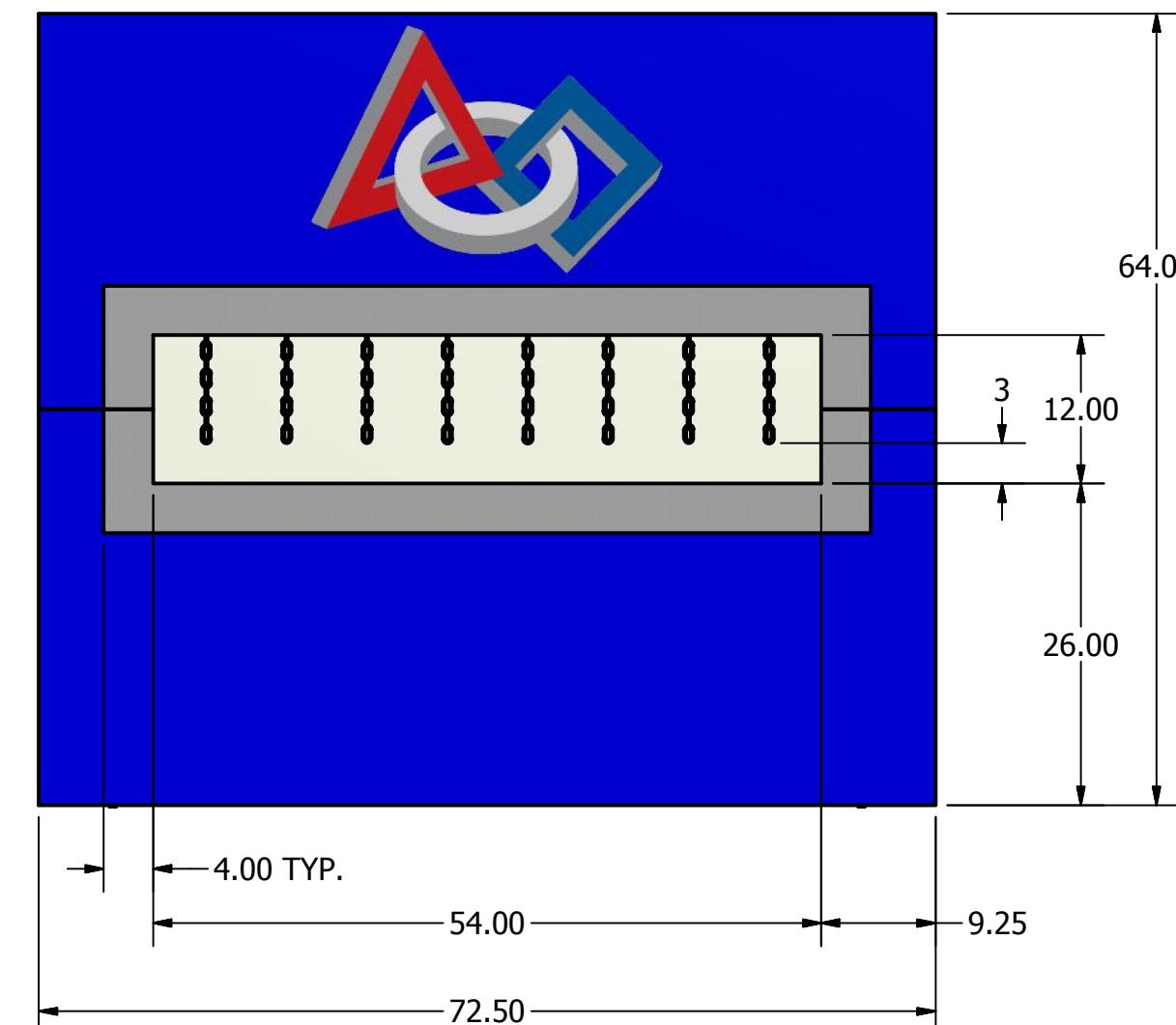
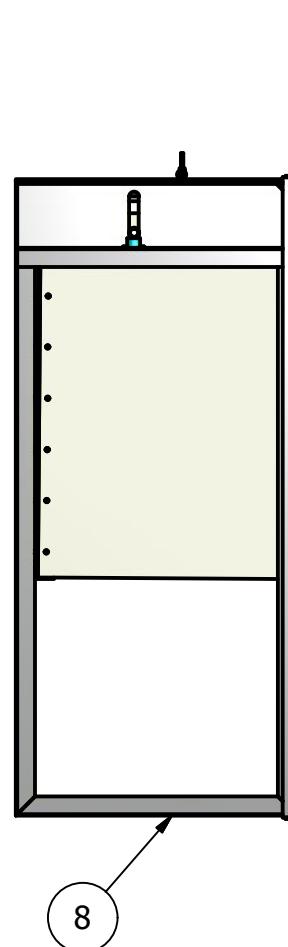
C

B

B

A

A



PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	GE-13013	Center Goal Plastic
2	1	GE-13029	Chain Hanger
3	2	GE-13030	Slot Plate
4	1	GE-13031	Roof, Goal
5	1	GE-13064	Basket Pole
6	1	GE-13065	Front Frame, High Goal
7	1	GE-13066	Side Frame 1, High Goal
8	1	GE-13067	Side Frame 2, High Goal
9	1	GE-13078	High Goal Basket Assembly
10	4	HW-00002	Nut, Lock 1/4-20
11	4	HW-00074	FHCS 1/4-20 x 1"
12	8	HW-00075	Eye Bolt, 10-32 x 2"

DRAWN dfoster	12/29/2012	FIRST 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907			
CHECKED					
UNLESS OTHERWISE SPECIFIED					
TOLERANCES: (INCHES)					
FRAC.	+/- 1/32	TITLE High Goal Assembly			
.00	+/- .01				
.000	+/- .005	SIZE	DWG NO		
ANGULAR	+/- .25 Deg.	SCALE	REV		
			SHEET 1 OF 5		

4

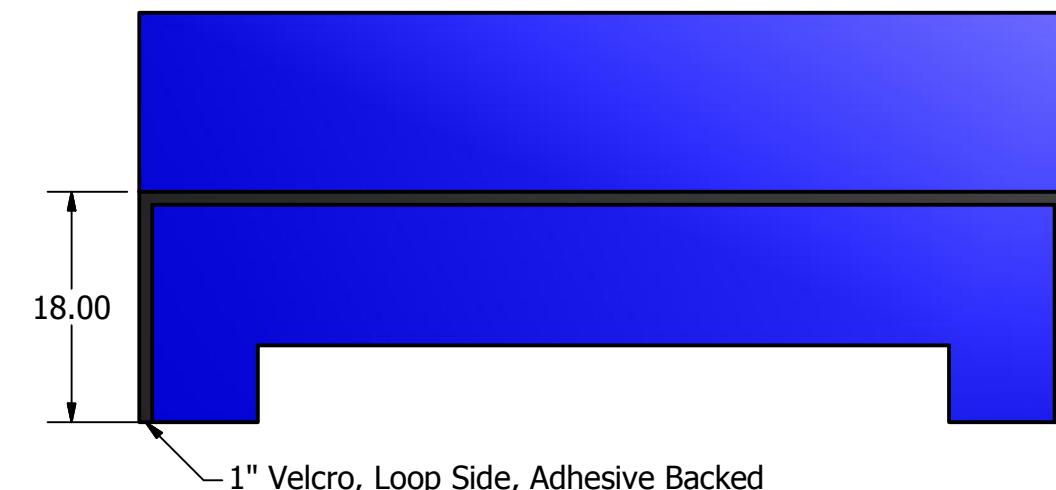
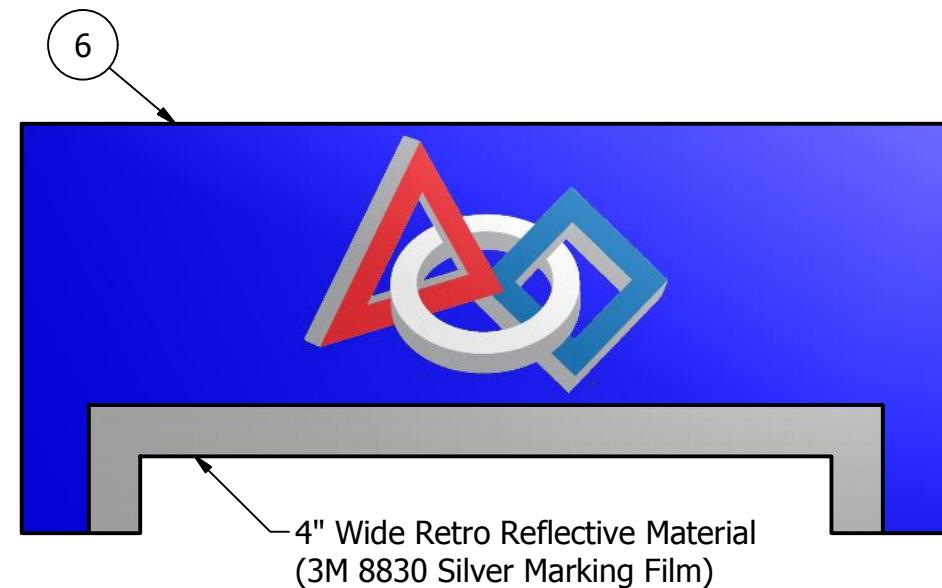
3

2

1

Step 1

1. Add vision target material to the front of ONE of Item 1.
2. Add velcro to the back of Item 1 as shown. Velcro is used to aid in assembly and disassembly of GE-13028. A more permanent means of attachment may be used (such as rivets or bolts).
3. Attach FIRST logo as shown. Logo has no functional purpose, it is cosmetic only.



D

D

C

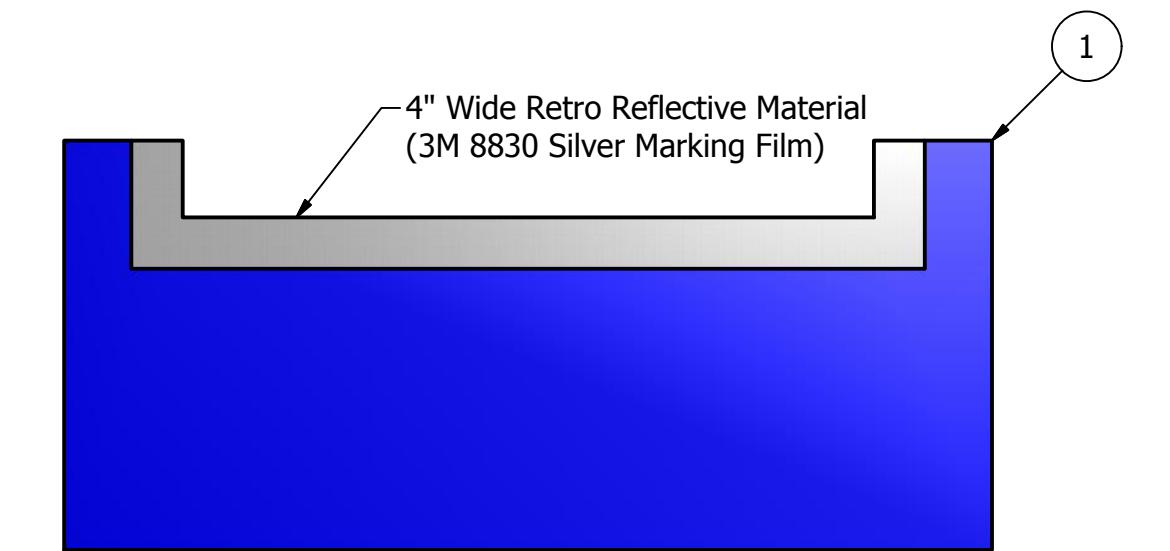
C

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B

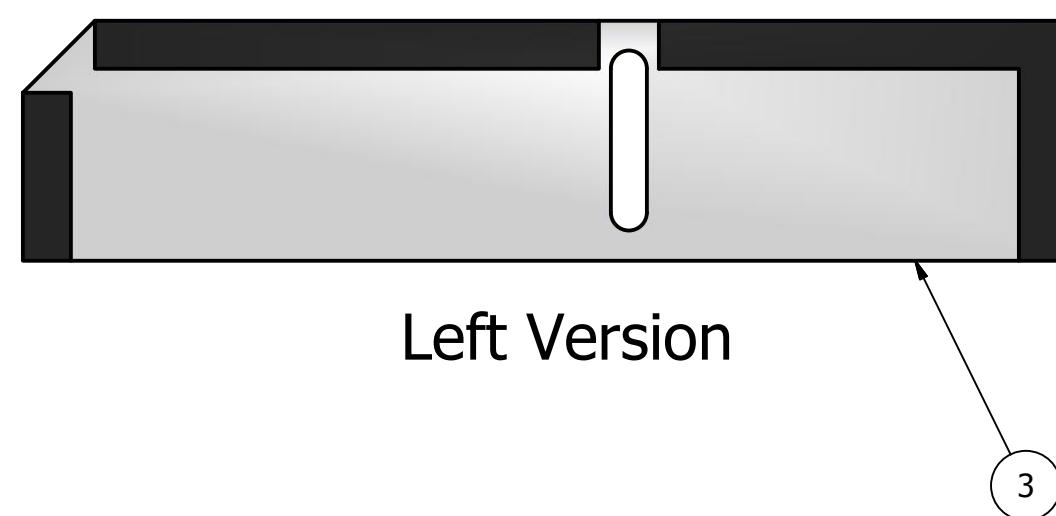
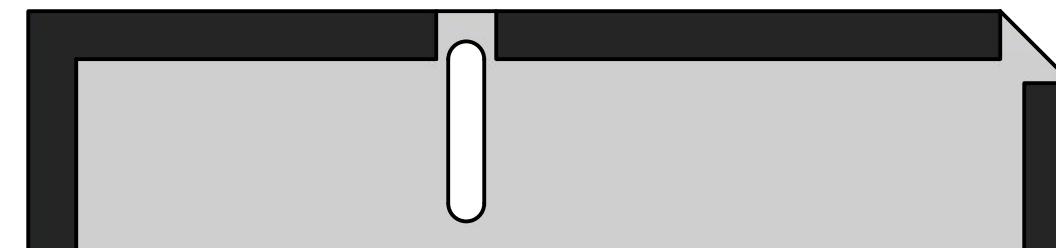
B

**Step 2**

1. Add vision target material to the front of the other Item 1.
2. Add velcro to the back of Item 1 as shown. Velcro is used to aid in assembly and disassembly of GE-13028. A more permanent means of attachment may be used (such as rivets or bolts).

Step 3

1. Apply loop velcro to Item 3 as shown. Please note that there is a left and right version of the velcro per goal assembly.

**Left Version****Right Version**

DRAWN dfoster	12/29/2012	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-13027
			REV
			SHEET 2 OF 5

4

3

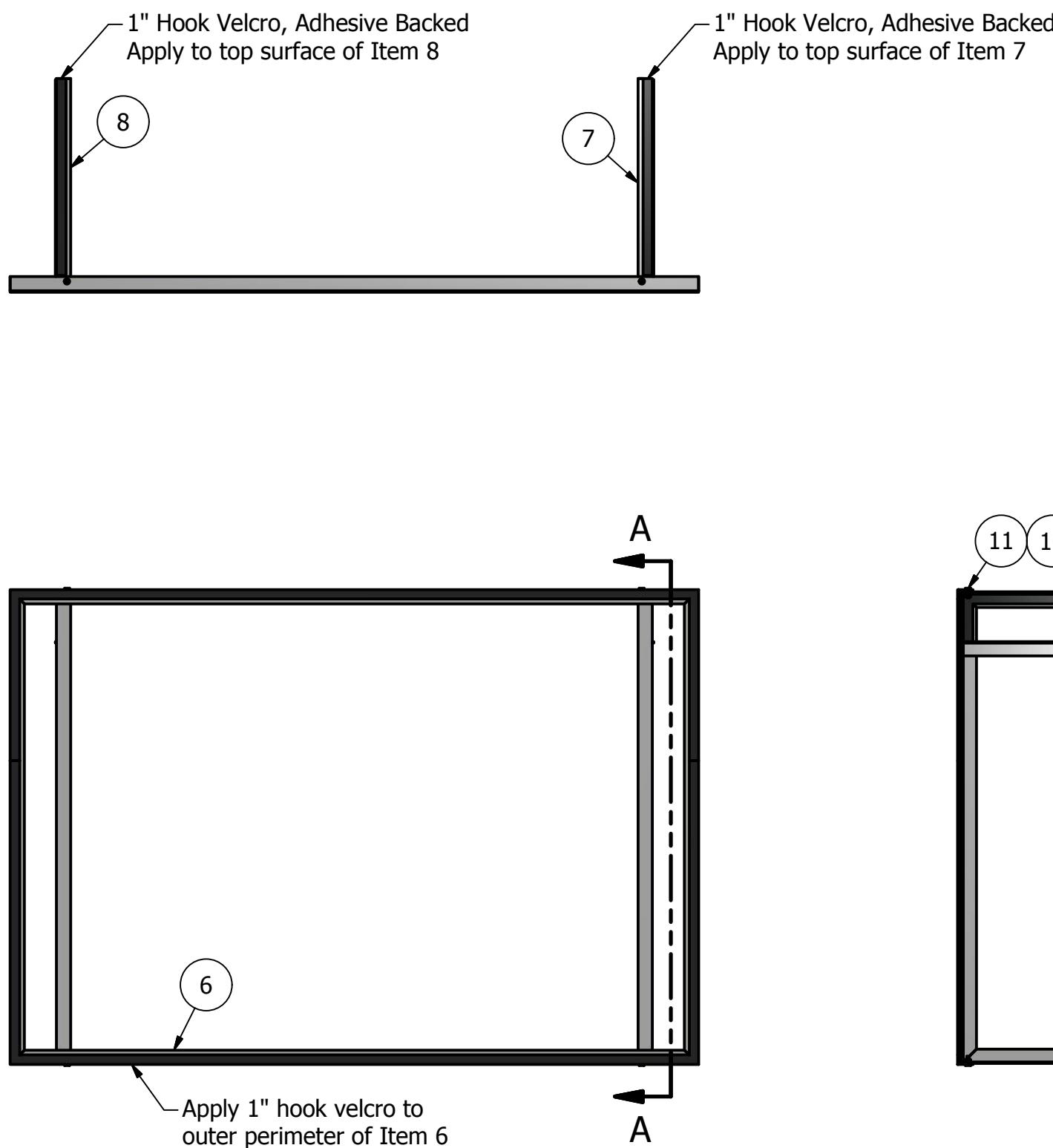
2

1

4

A

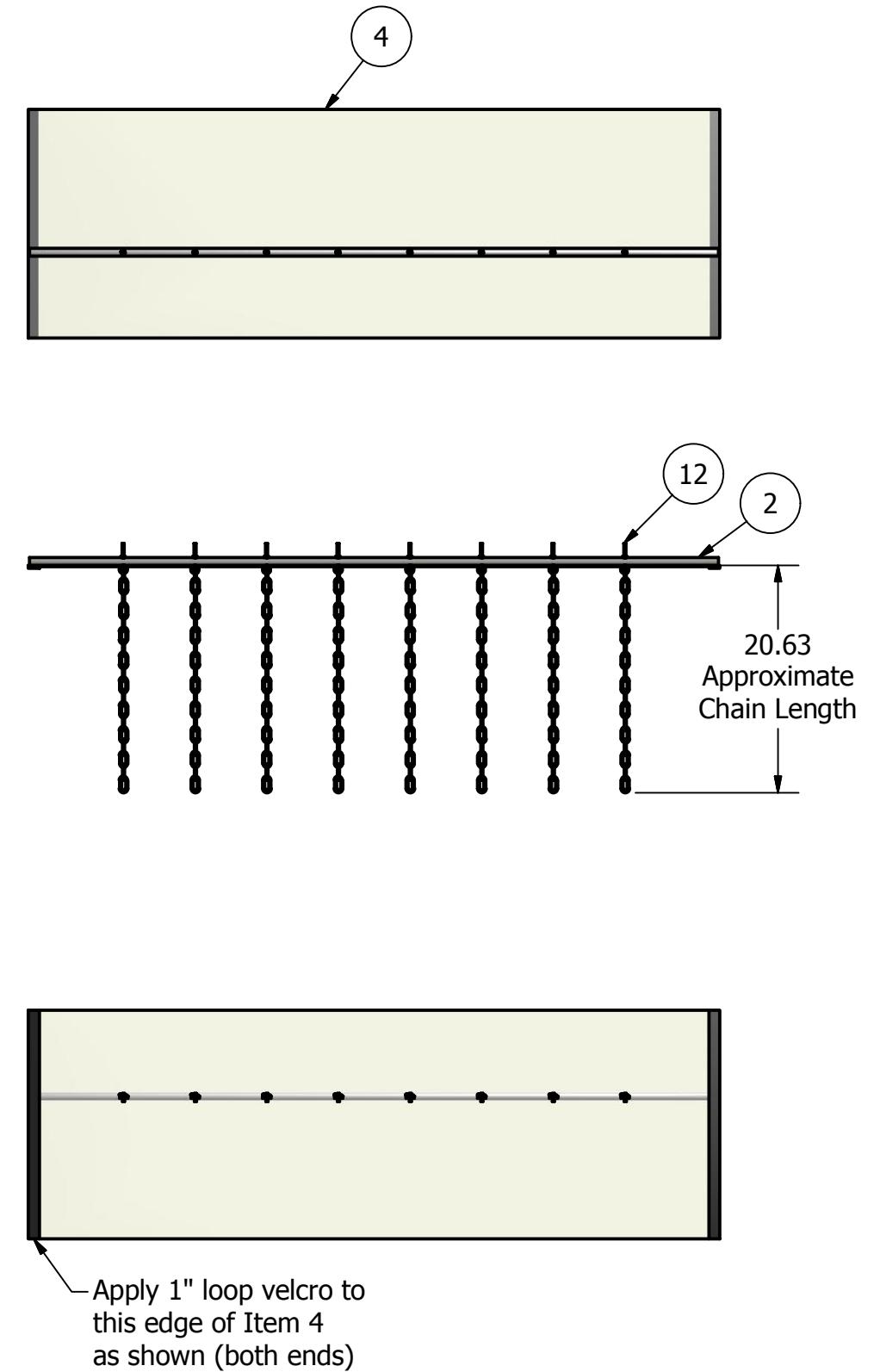
A



SECTION A-A
SCALE 1/15

Step 4

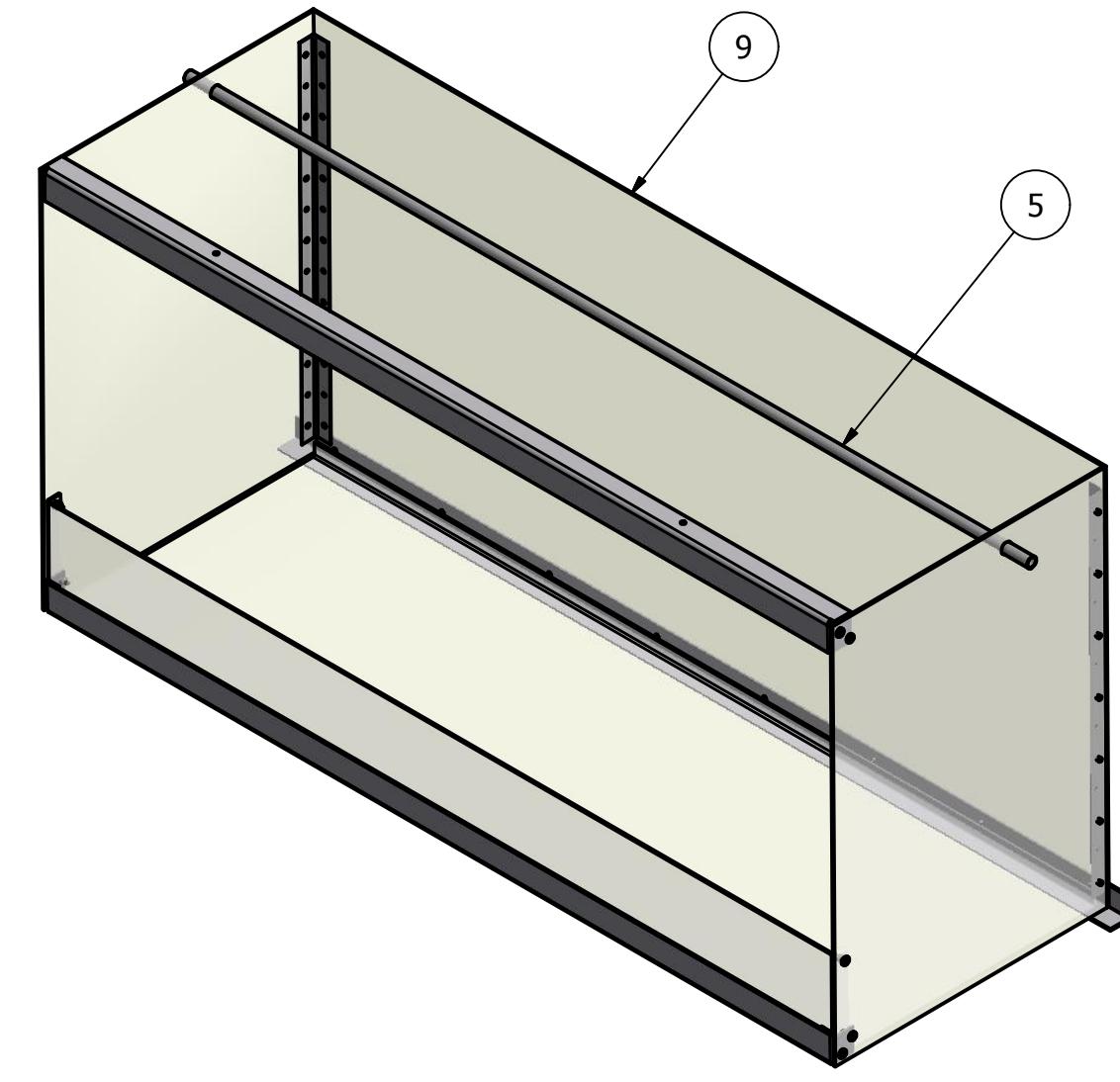
1. Bolt Items 7 and 8 to Item 6.
2. Add velcro to the frames as indicated. Velcro is used to aid in assembly and disassembly of GE-13027. A more permanent means of attachment may be used.



Step 5

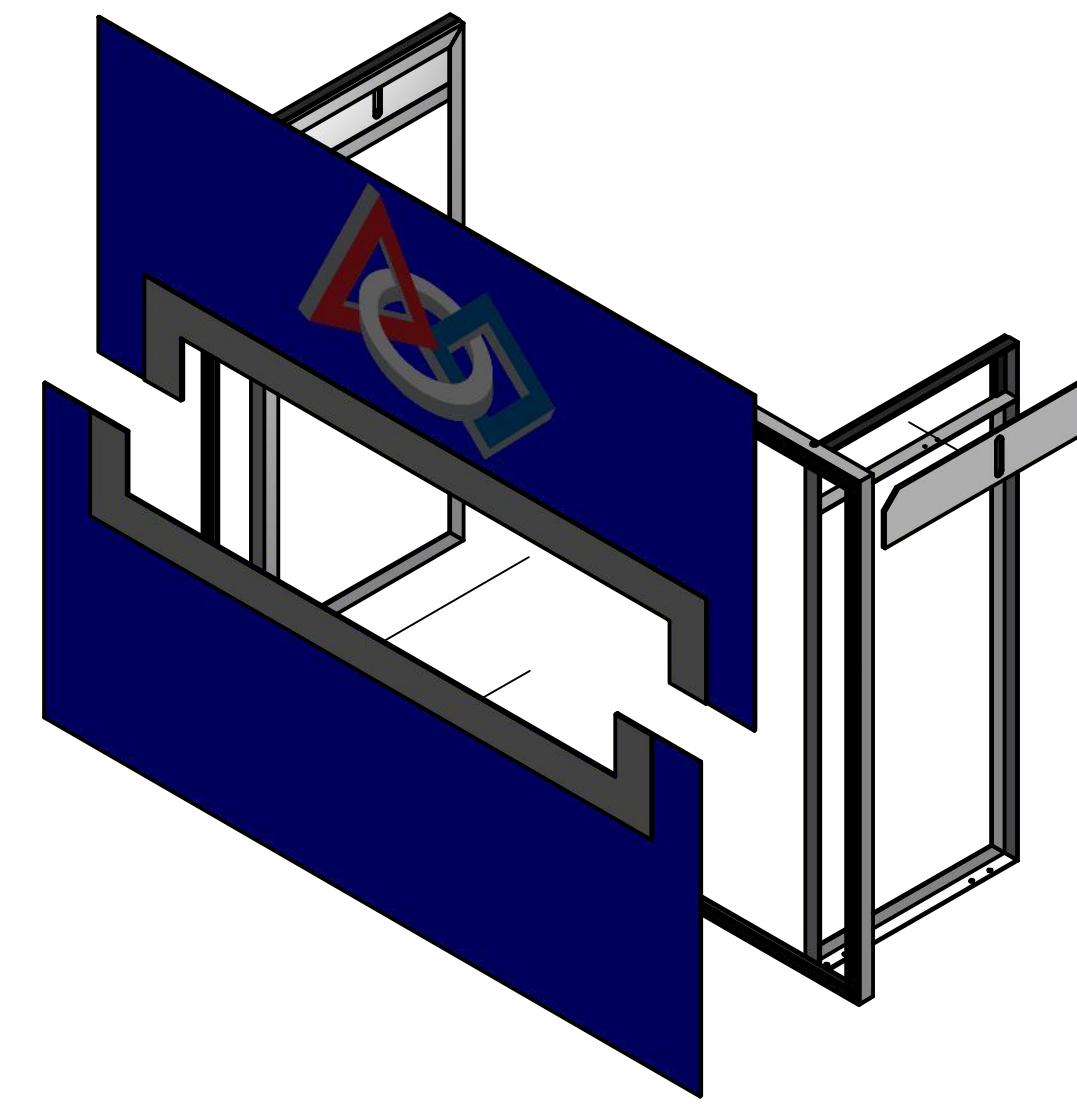
1. Fasten Items 2 and 4 together using Item 12.
2. Attach Chain to Item 12 using zip-ties or carabiners. Chain is 2/0 twisted link machine chain, bright finish. Any chain of similar weight may be substituted.

DRAWN dfoster	12/29/2012	FIRST		
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
UNLESS OTHERWISE SPECIFIED				
TOLERANCES: (INCHES)		TITLE		
FRAC.	+/-.1/32	High Goal Assembly		
.00	+.01	SIZE		
.000	+.005	DWG NO		
ANGULAR	+.25 Deg.	SCALE		REV
			GE-13027	
			SHEET 3 OF 5	



Step 6

1. Pass Item 5 through the available holes in Item 9 as shown. Item 5 should be protruding approximately 2" from each side of Item 9.



Step 7

1. Attach goal plastic to the goal frame as shown.

DRAWN dfoster	12/29/2012	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-13027				
				SHEET 4 OF 5			

4

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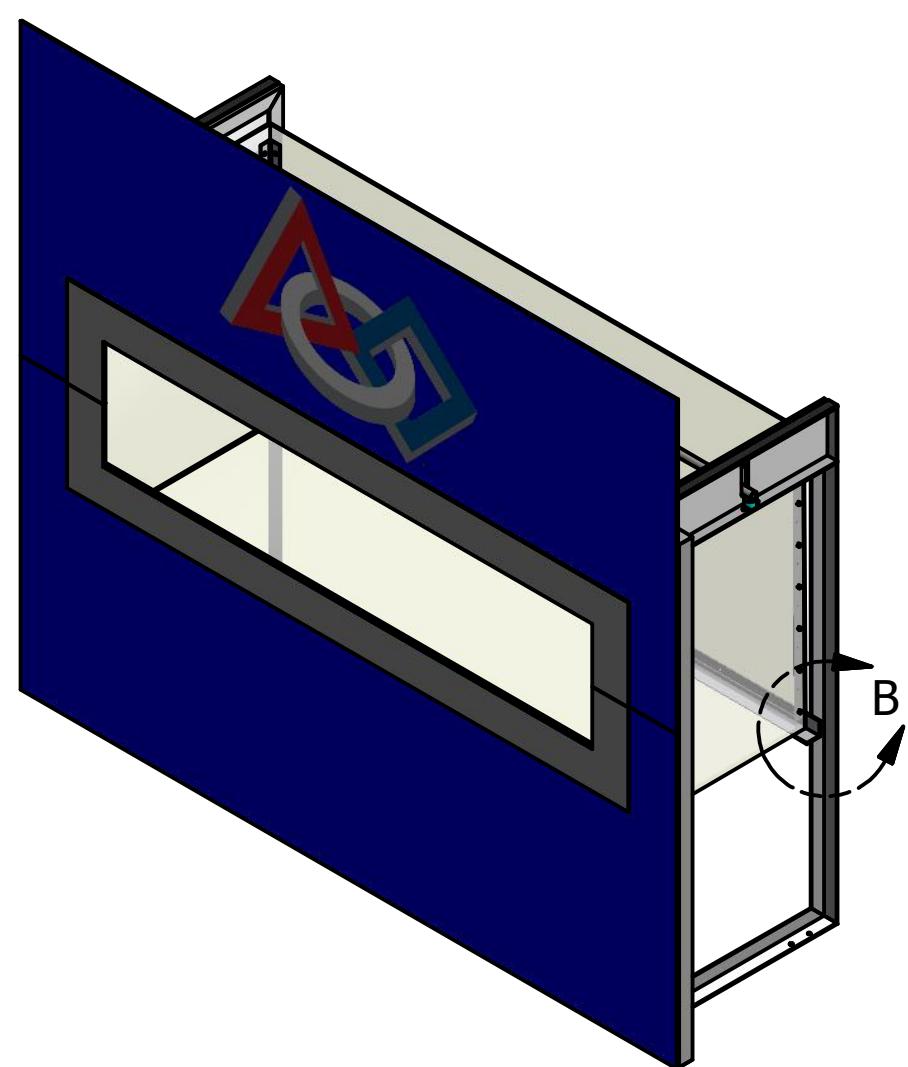
C

B

B

A

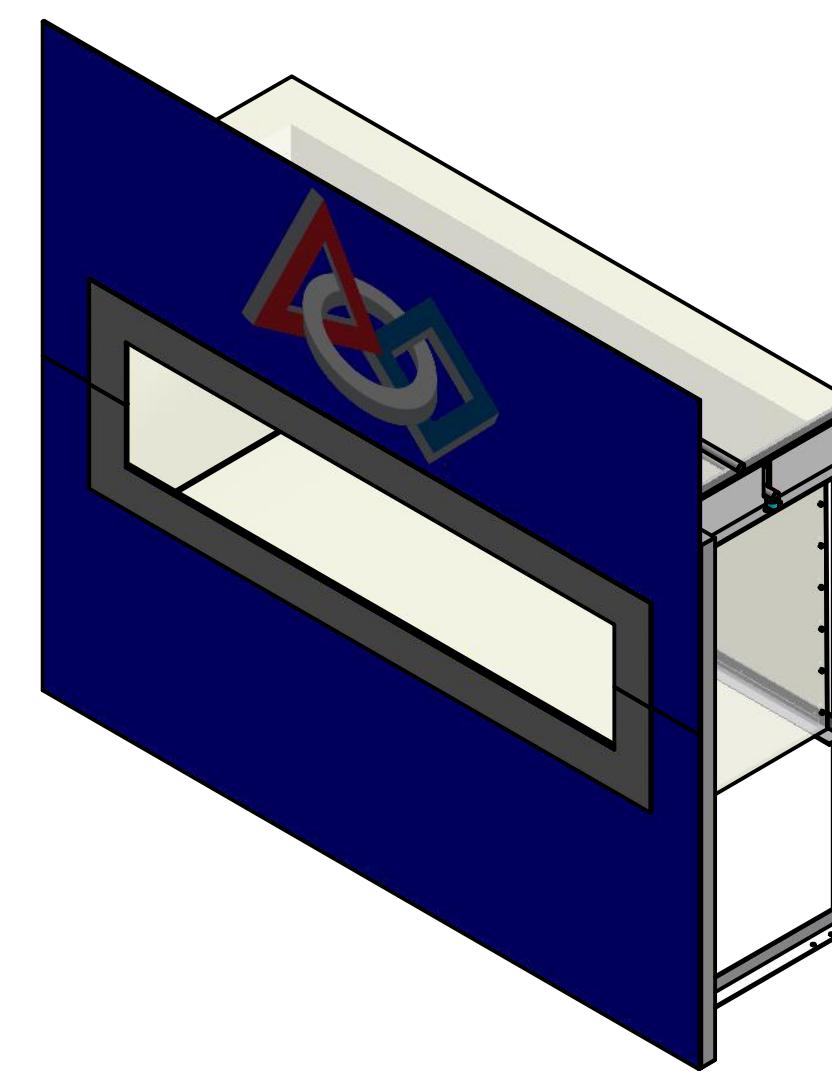
A



DETAIL B
SCALE 1 / 4

Step 8

1. Take the assembly from Step 6 and place the tube into the slots of Item 3 as shown. Note that the bottom angle will be inside the side frames as shown in Detail B.



Step 9

1. Take the assembly from Step 5 and place it on the assembly from Step 8. The velcro on the bottom surface of the plastic should line up to the velcro on the gola fram. Chains shoul hang freely.

DRAWN dfoster	12/29/2012	FIRST		
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
UNLESS OTHERWISE SPECIFIED				
TOLERANCES: (INCHES)		TITLE		
FRAC.	+/- 1/32	High Goal Assembly		
.00	+/- .01	SIZE		
.000	+/- .005	DWG NO		
ANGULAR	+/- .25 Deg.	SCALE		REV
			GE-13027	
			SHEET 5 OF 5	

4

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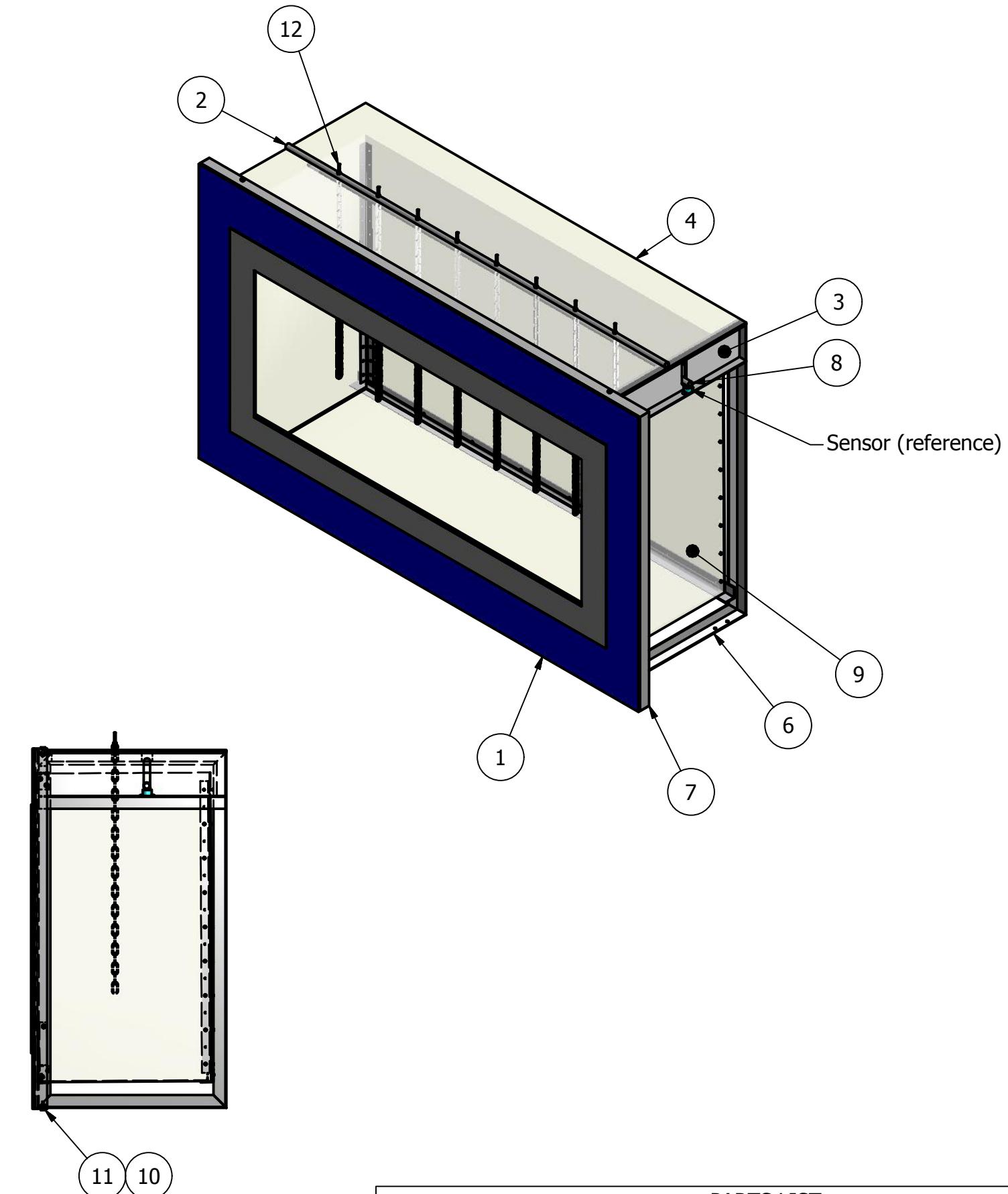
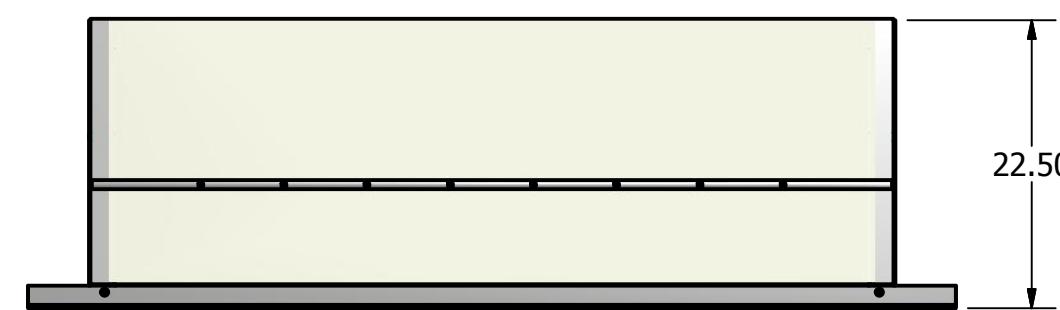
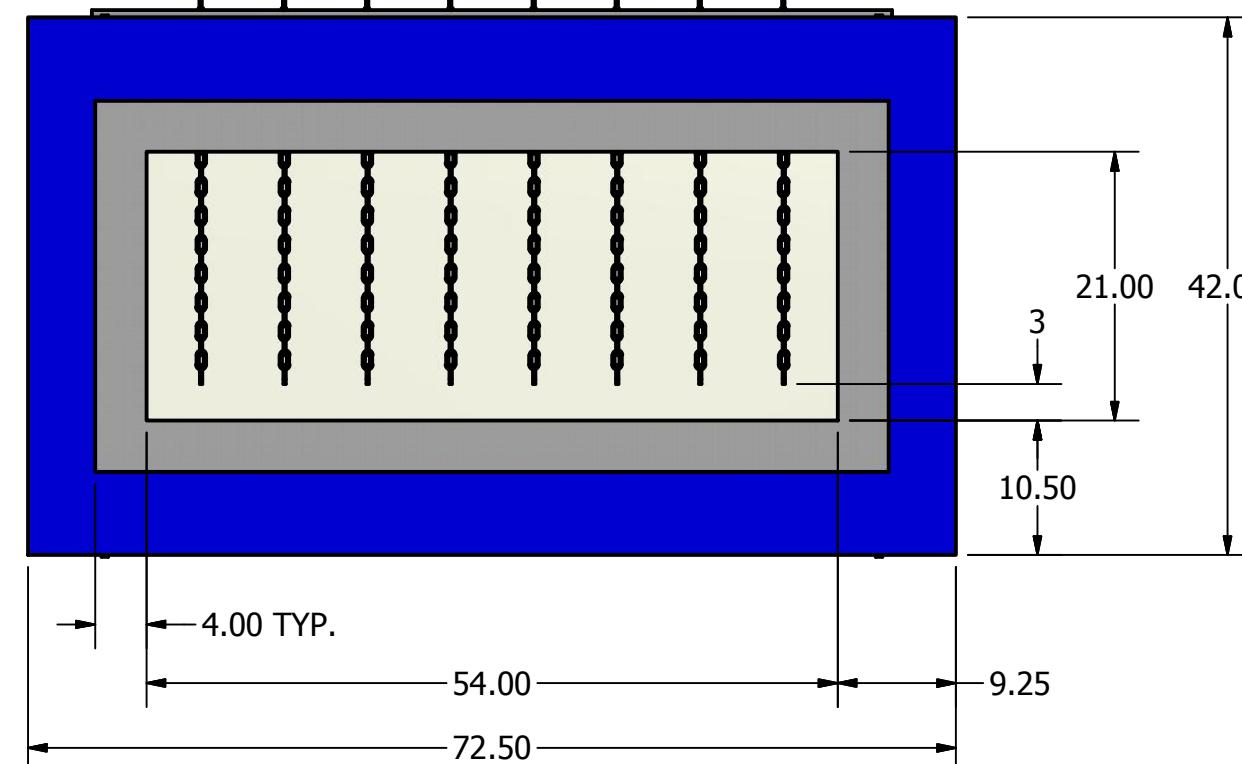
1

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4 3 2 1

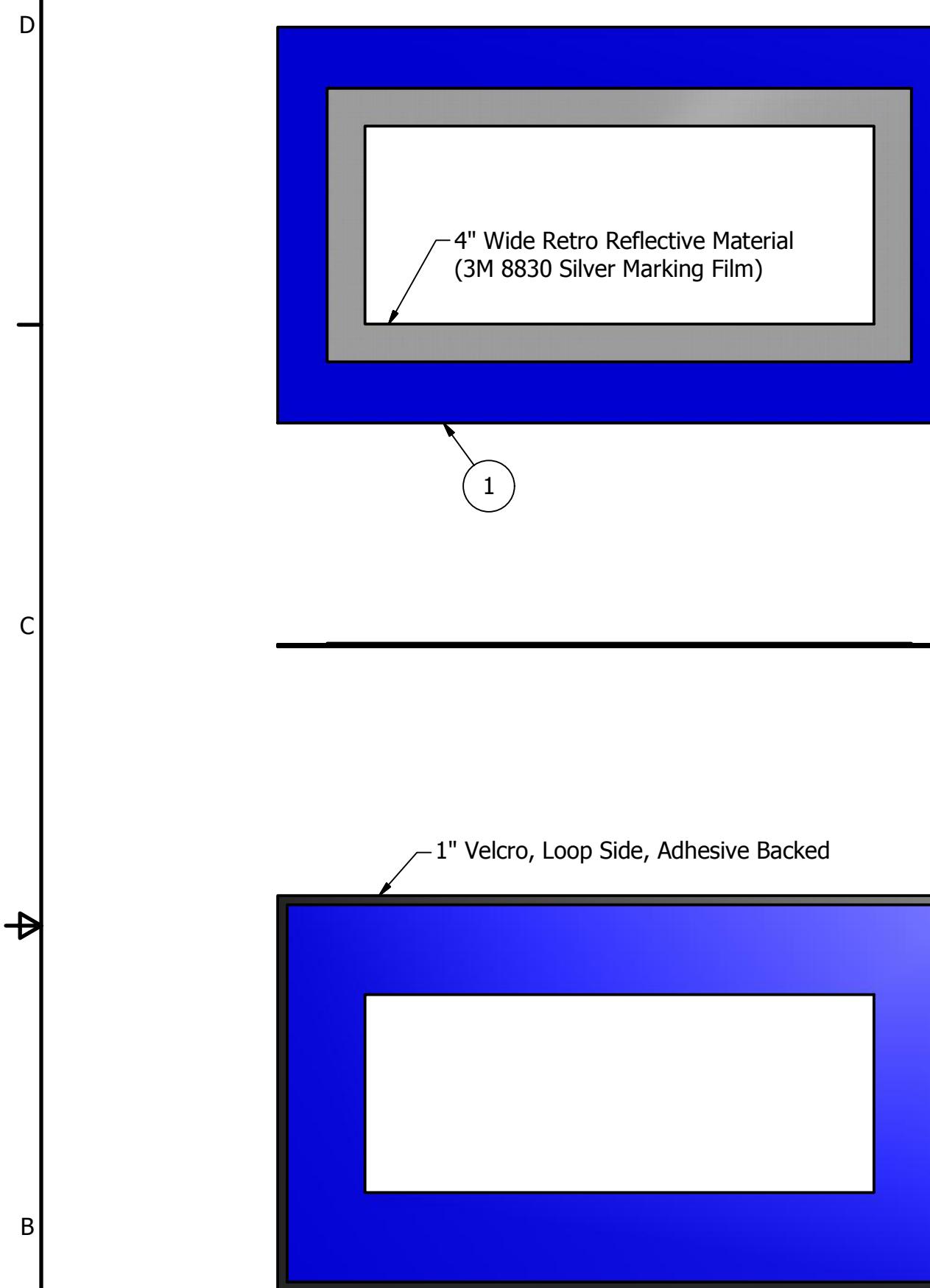
D



PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	GE-13011	Side Goal Plastic
2	1	GE-13029	Chain Hanger
3	2	GE-13030	Slot Plate
4	1	GE-13031	Roof, Goal
5	1	GE-13060	Side Frame 1, Middle Goal
6	1	GE-13061	Side Frame 2, Middle Goal
7	1	GE-13062	Front Frame, Middle Goal
8	1	GE-13064	Basket Pole
9	1	GE-13068	Goal Basket
10	5	HW-00002	Nut, Lock 1/4-20
11	4	HW-00074	Flat Head Screw 1/4-20 x 1"
12	8	HW-00075	Eye Bolt, 10-32 x 2" L

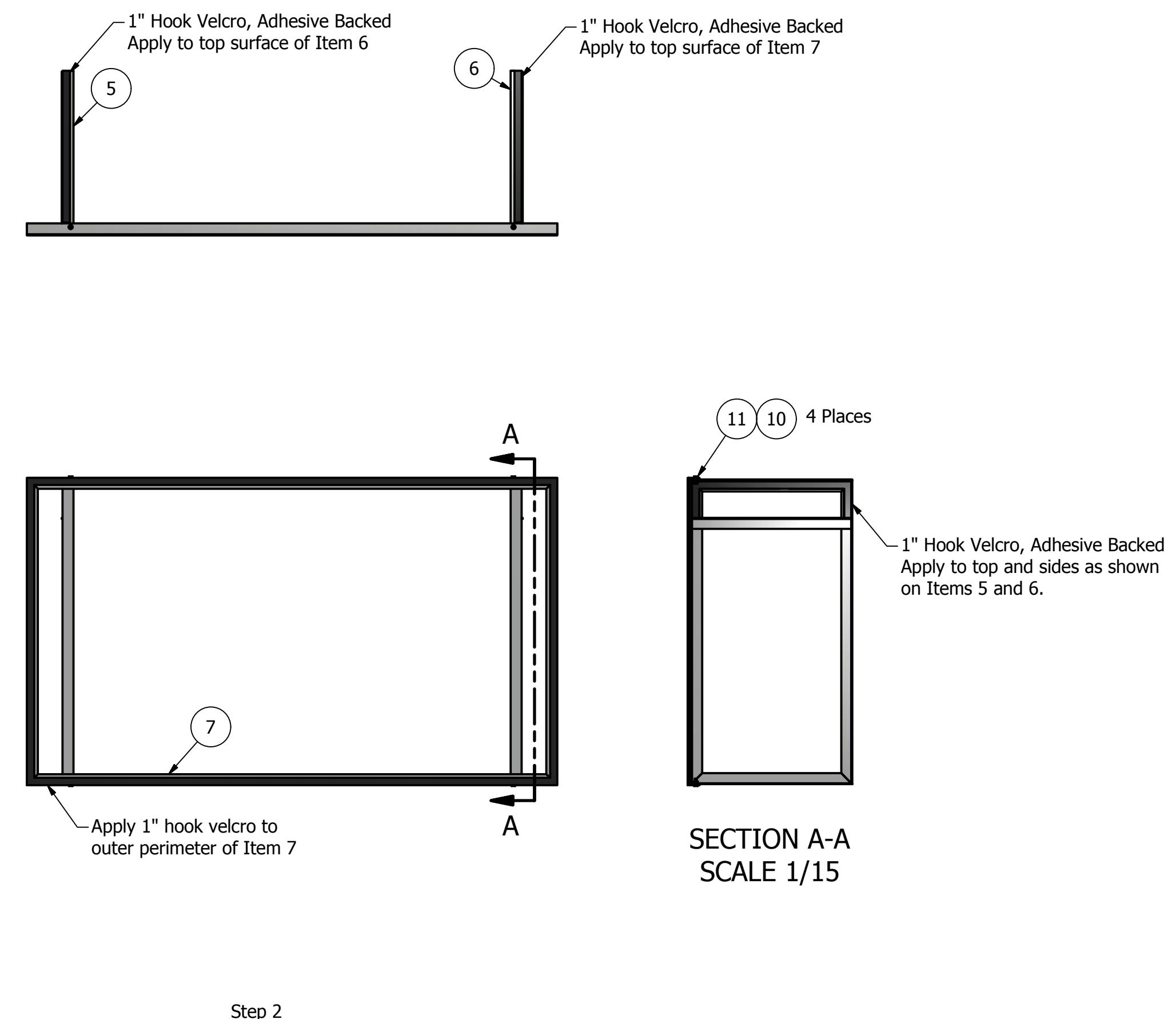
DRAWN dfoster	12/28/2012	FIRST 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907	
CHECKED			
UNLESS OTHERWISE SPECIFIED			
TOLERANCES: (INCHES)			
FRAC.	+/- 1/32		
.00	+/- .01		
.000	+/- .005		
ANGULAR	+/- .25 Deg.		
SIZE C	DWG NO GE-13028	REV	
SCALE		SHEET 1 OF 5	

4 3 2 1



Step 1

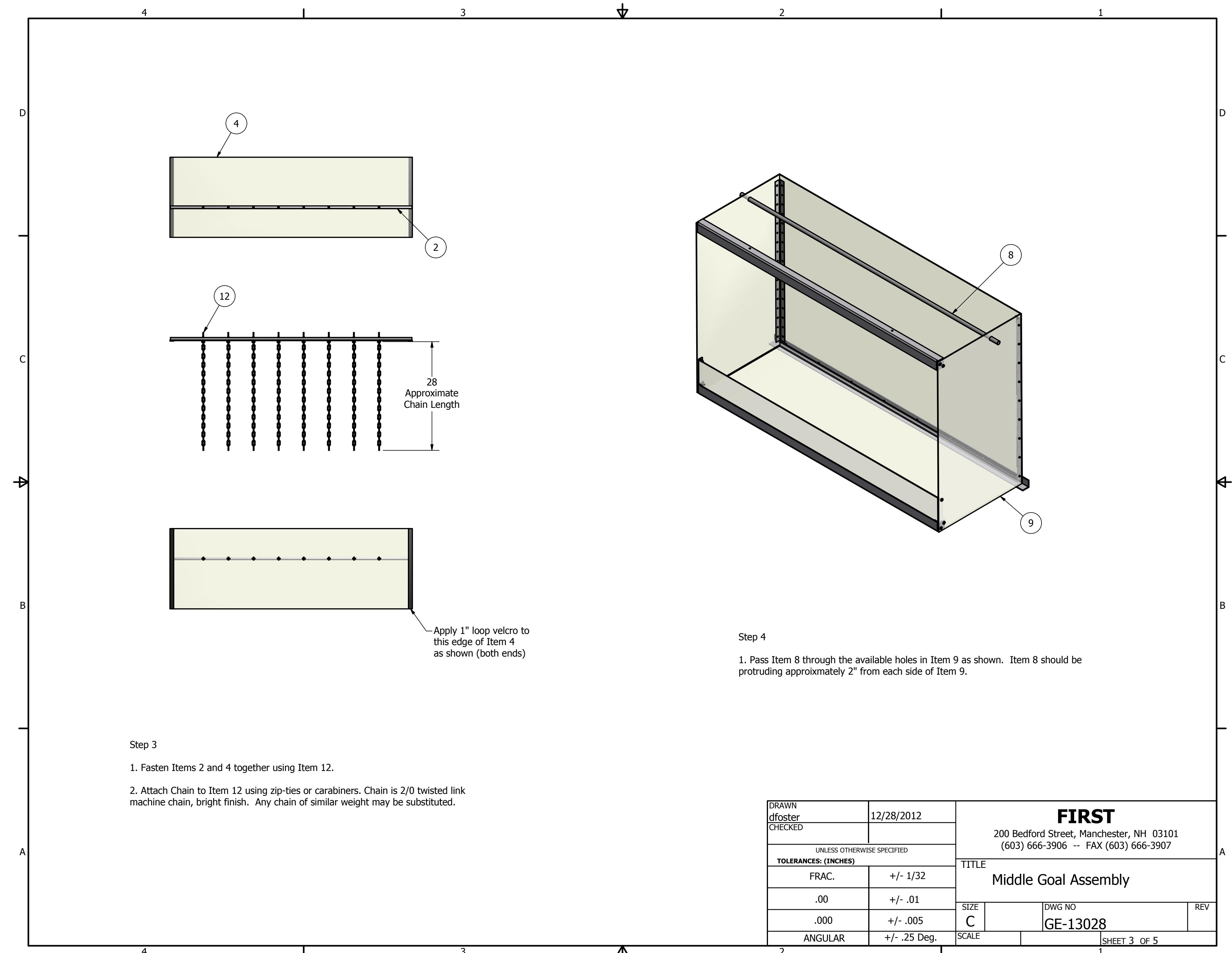
1. Add vision target material to the front Item 1.
2. Add velcro to the back of Item 1. Velcro is used to aid in assembly and disassembly of GE-13028. A more permanent means of attachment may be used.

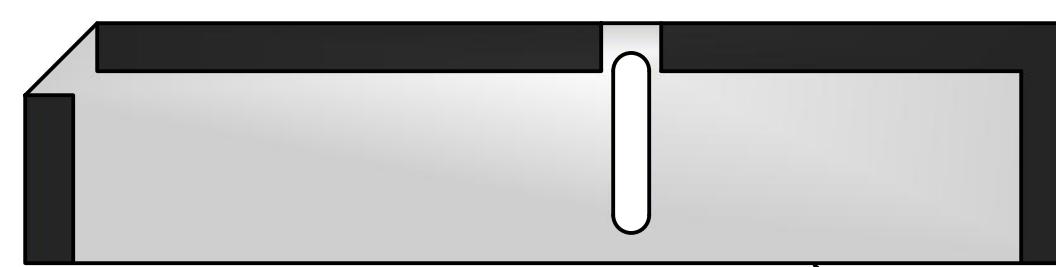


Step 2

1. Bolt Items 5 and 6 to Item 7.
2. Add velcro to the frames as indicated. Velcro is used to aid in assembly and disassembly of GE-13028. A more permanent means of attachment may be used.

DRAWN dfoster	12/28/2012	FIRST		
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
UNLESS OTHERWISE SPECIFIED				
TOLERANCES: (INCHES)		TITLE		
FRAC.	+/- 1/32	Middle Goal Assembly		
.00	+/- .01	SIZE		
.000	+/- .005	DWG NO		
ANGULAR	+/- .25 Deg.	SCALE		REV
			GE-13028	
			SHEET 2 OF 5	

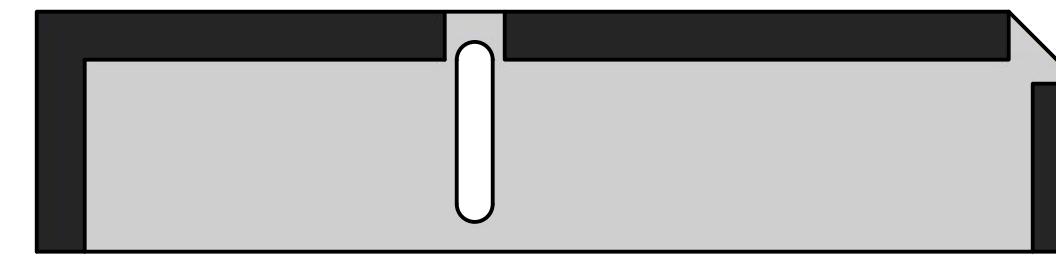




Left Version

Apply 1" loop velcro to edges of Item 4 as shown

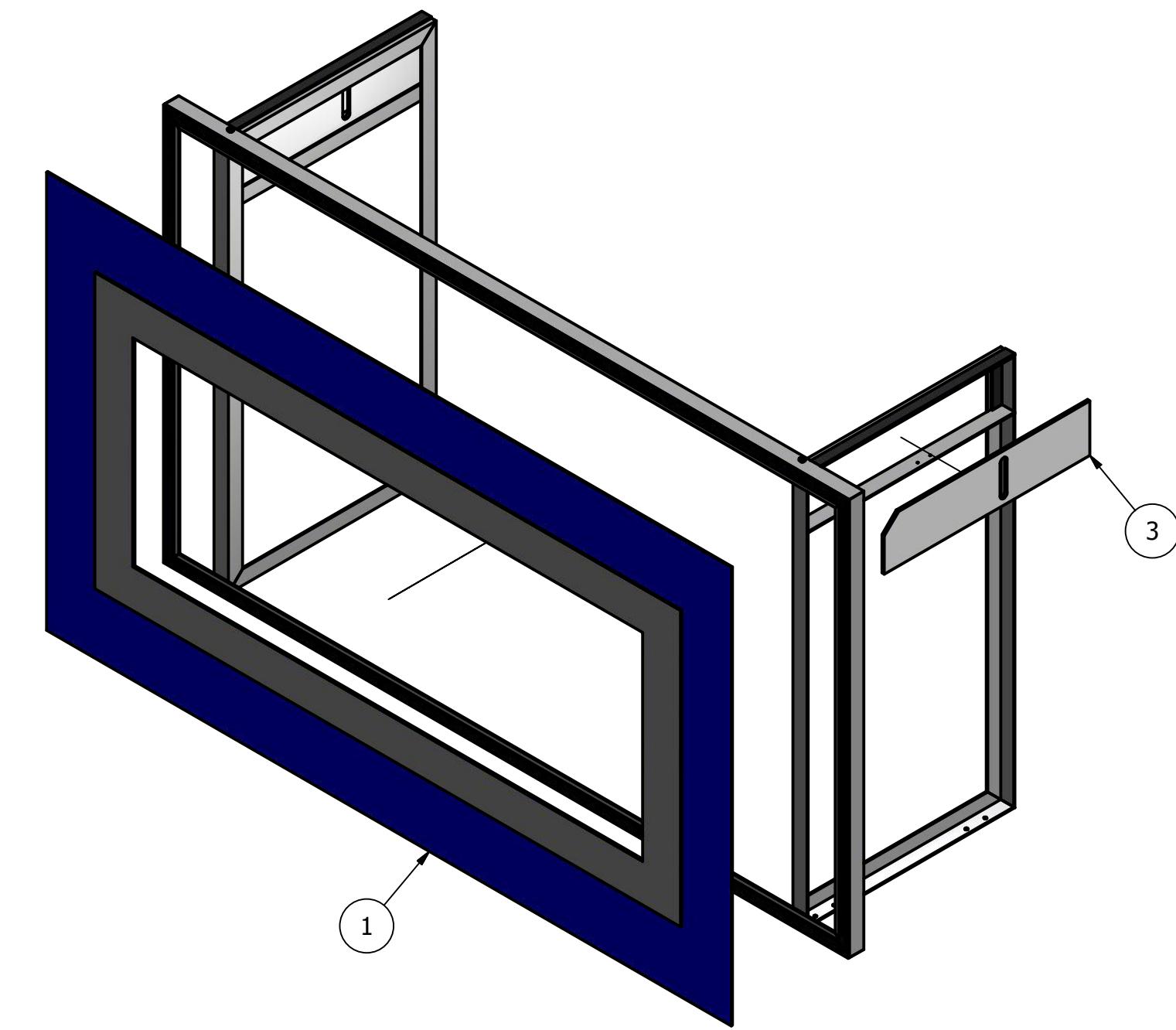
3



Right Version

Apply 1" loop velcro to edges of Item 4 as shown

3



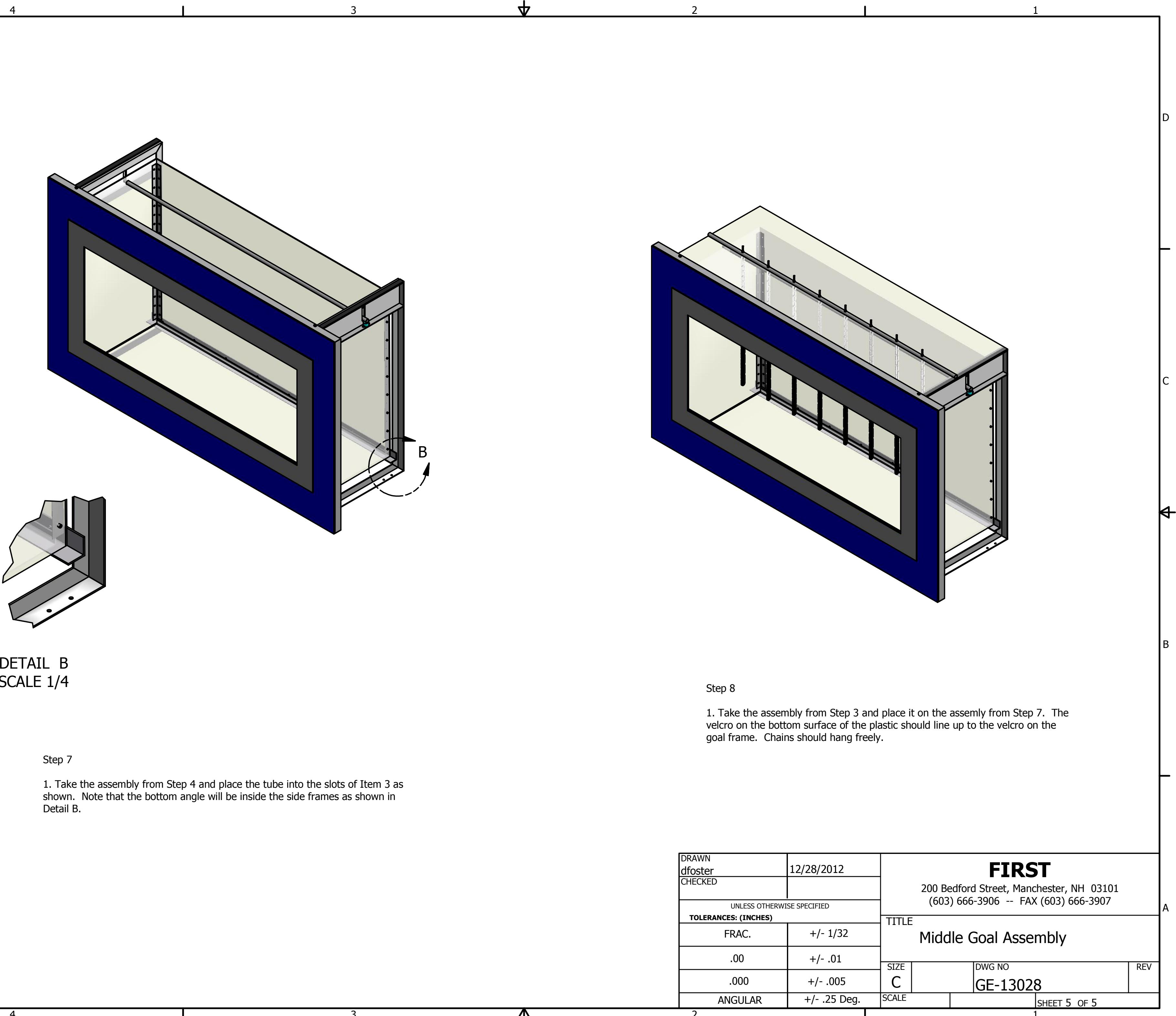
Step 6

1. Attach goal plastic to the goal frame as shown.

Step 5

1. Apply loop velcro to Item 3 as shown. Please note that there is a left and right version of the velcro per goal assembly.

DRAWN dfoster	12/28/2012	FIRST		
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
UNLESS OTHERWISE SPECIFIED				
TOLERANCES: (INCHES)		TITLE		
FRAC.	+/- 1/32	Middle Goal Assembly		
.00	+/- .01	SIZE		
.000	+/- .005	DWG NO		
ANGULAR	+/- .25 Deg.	GE-13028		
		REV		
		SCALE		
		SHEET 4 OF 5		



4

3

2

1

REVISION HISTORY

DESCRIPTION

ZONE

REV

A-4

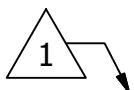
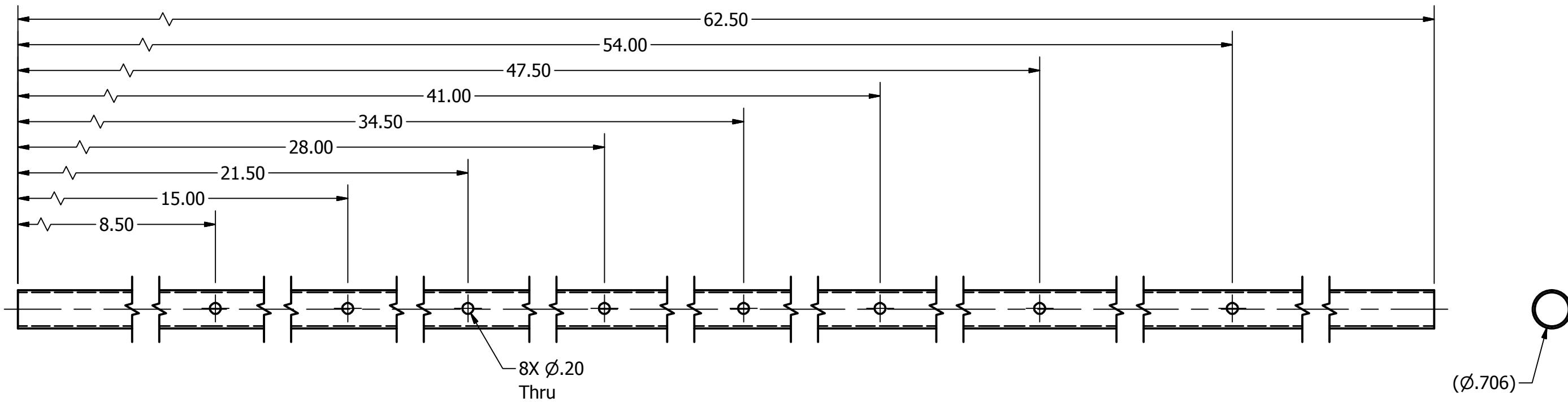
1

DATE

APPROVED

12/5/2012

MLC



Notes:

1. Material: 1/2" Electrical Metallic Tubing (EMT) IT (IMC)
2. Remove all burrs and sharp edges.

DRAWN dfoster	11/15/2012	FIRST			
CHECKED		200 Bedford Street, Manchester, NH 03101			
UNLESS OTHERWISE SPECIFIED					
TOLERANCES: (INCHES)		TITLE			
FRAC.	+/- 1/32	Chain Hanger			
.00	+/- .01	SIZE	DWG NO	REV	
.000	+/- .005	B	GE-13029	1	
ANGULAR	+/- .25 Deg.	SCALE		SHEET 1 OF 1	

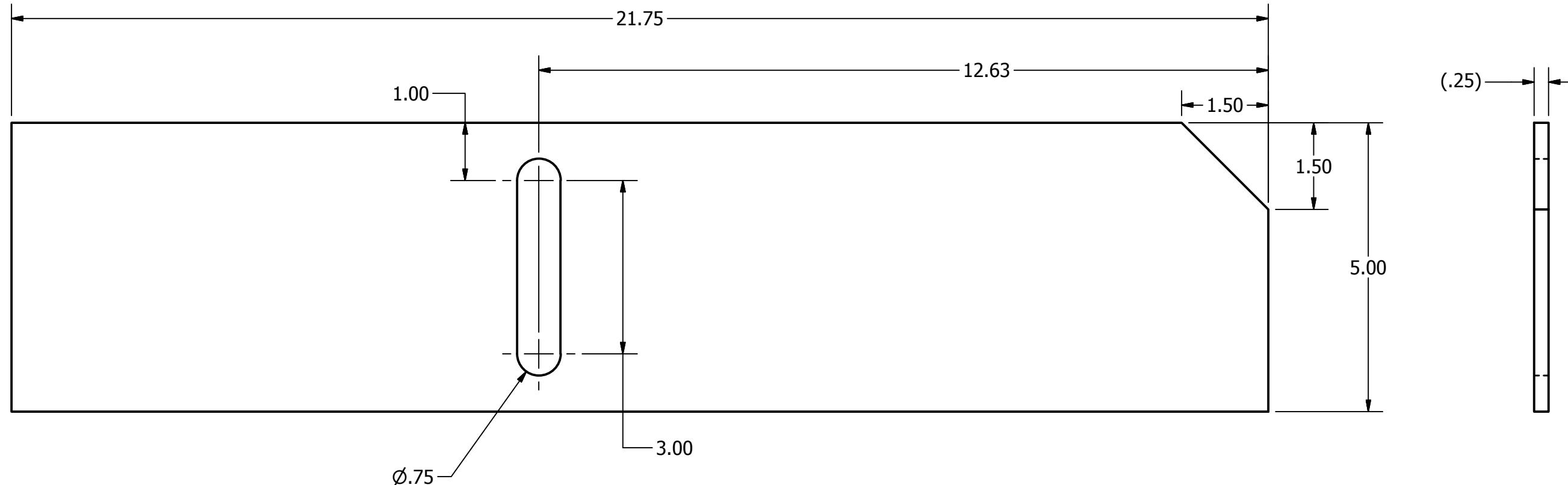
4

3

2

1

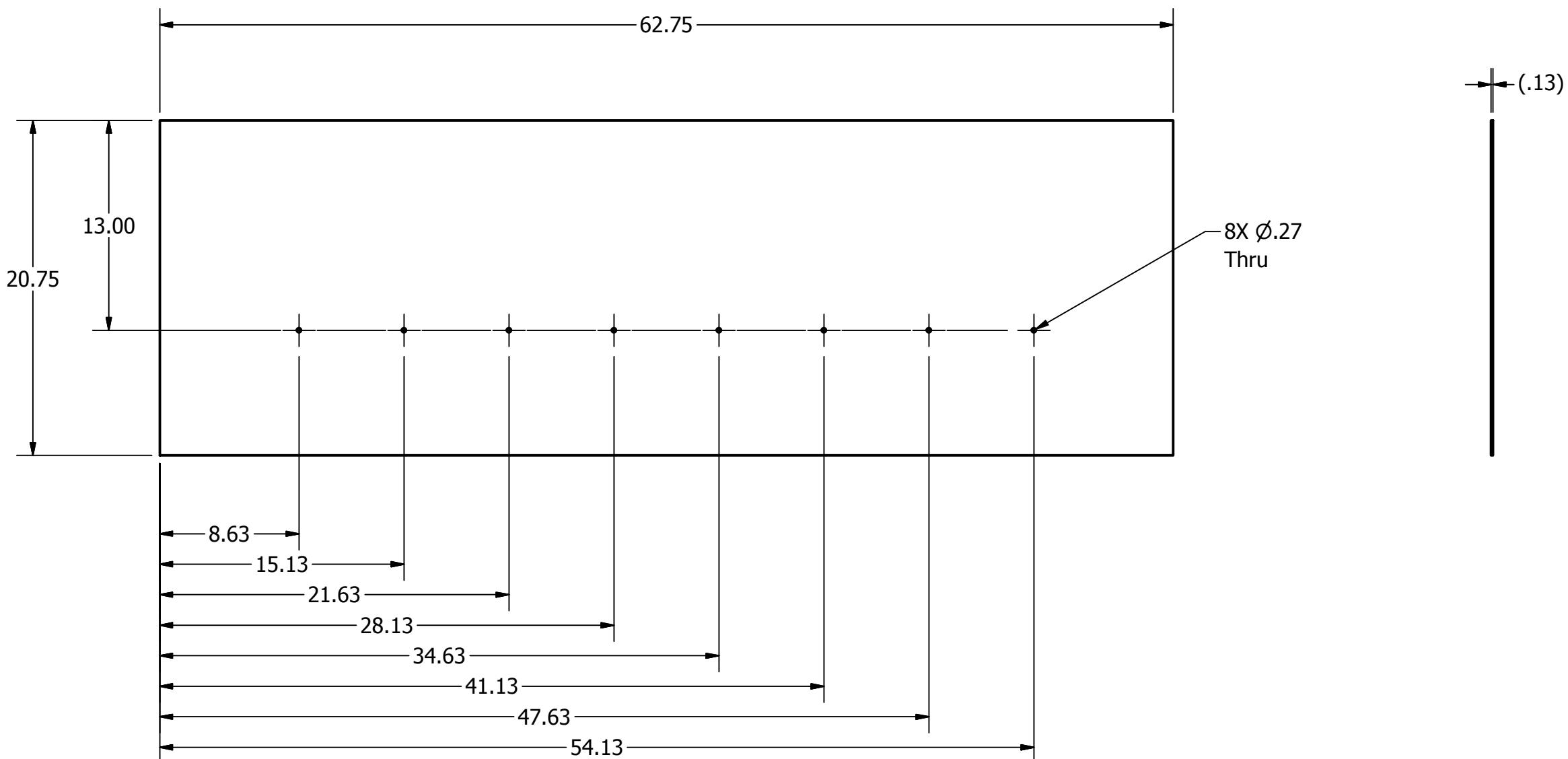
4



Notes:

1. Material: 1/4" thick white HDPE
2. Remove all burrs and sharp edges

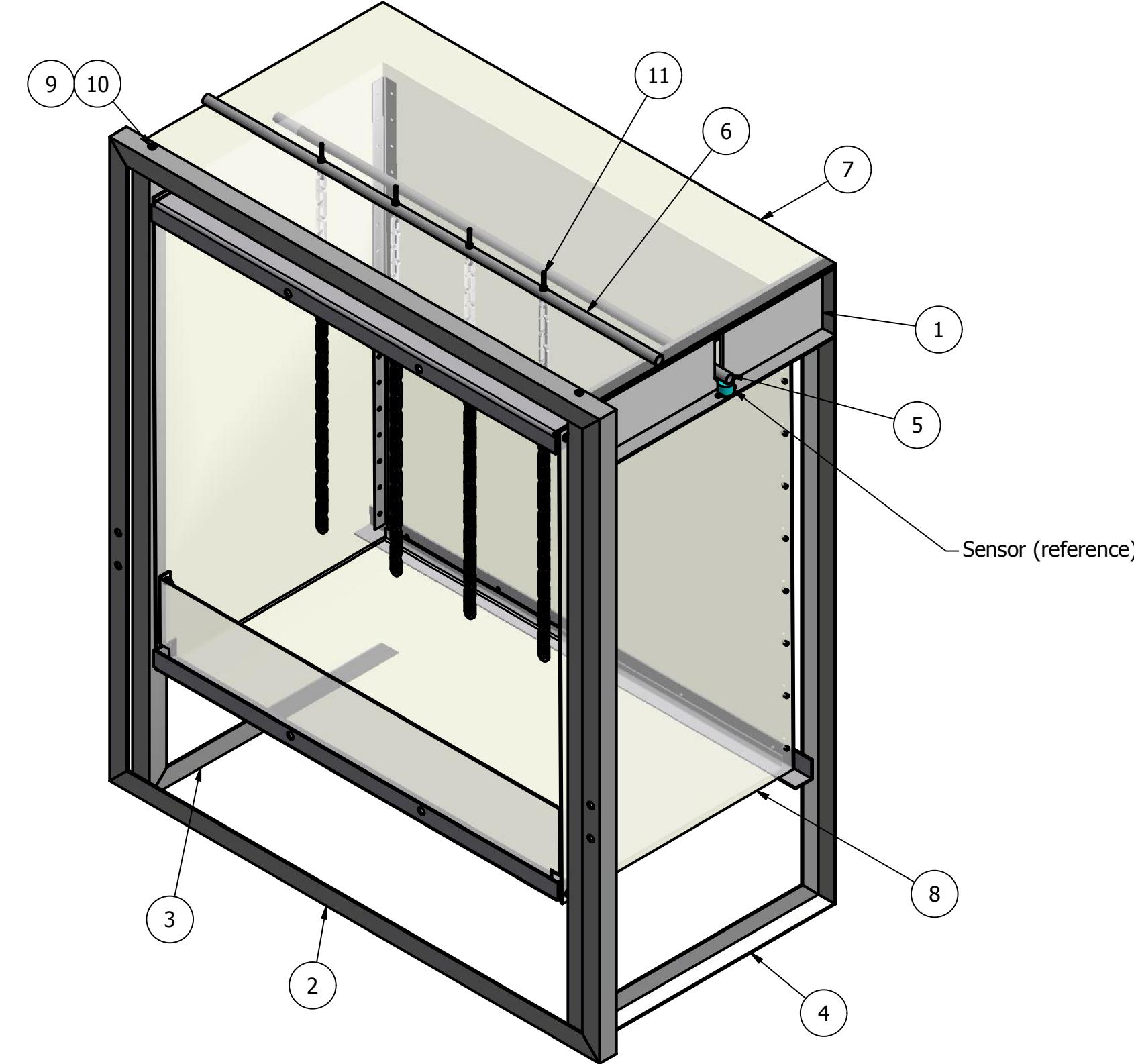
DRAWN dfoster	11/15/2012	FIRST			
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907			
UNLESS OTHERWISE SPECIFIED					
TOLERANCES: (INCHES)		TITLE			
FRAC.	+/- 1/32	Slot Plate			
.00	+/- .01	SIZE	DWG NO	REV	
.000	+/- .005	B	GE-13030		
ANGULAR	+/- .25 Deg.	SCALE		SHEET 1 OF 1	



Notes:

1. Material: 1/8" thick clear polycarbonate
2. Remove all burrs and sharp edges

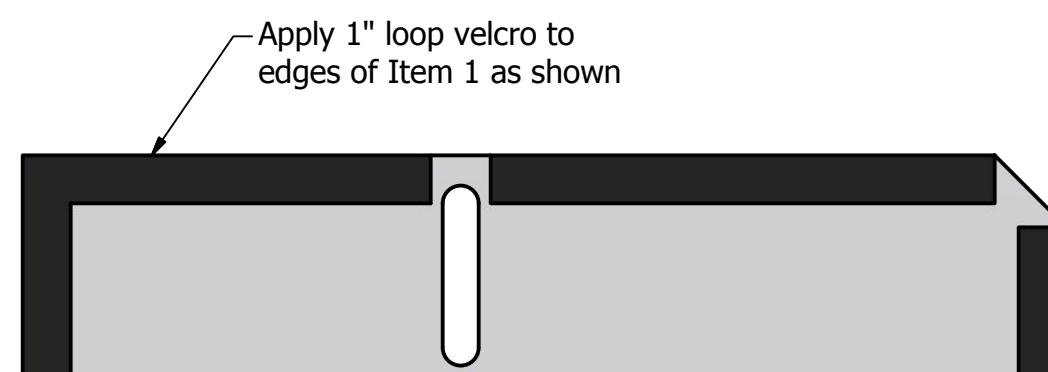
DRAWN dfoster	11/17/2012	FIRST			
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907			
UNLESS OTHERWISE SPECIFIED					
TOLERANCES: (INCHES)		TITLE			
FRAC.	+/- 1/32	Roof, Goal			
.00	+/- .01	SIZE			
.000	+/- .005	B	DWG NO		
ANGULAR	+/- .25 Deg.	GE-13031		REV	
SCALE				SHEET 1 OF 1	



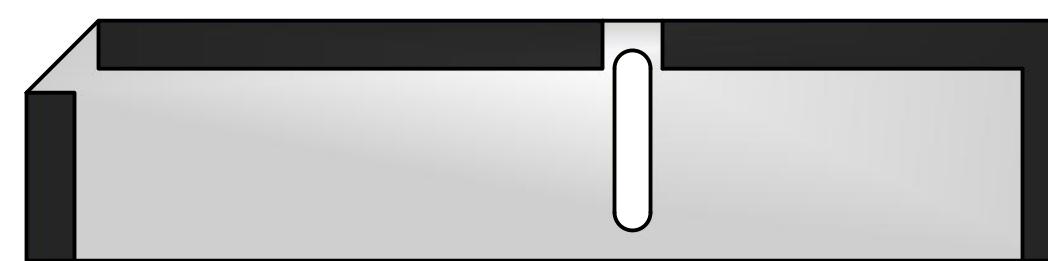
PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	GE-13030	Slot Plate
2	1	GE-13053	Front Frame, Low Goal
3	1	GE-13054	Side Frame 1, Low Goal
4	1	GE-13056	Side Frame 2, Low Goal
5	1	GE-13057	Basket Pole, Low Goal
6	1	GE-13058	Chain Pole, Low Goal
7	1	GE-13059	Roof, Low Goal
8	1	GE-13083	Goal Basket, Low Goal
9	4	HW-00002	Nut, Lock 1/4-20
10	4	HW-00074	FHCS 1/4-20 x 1"
11	4	HW-00075	Eye Bolt, 10-32 x 2'L

DRAWN dfoster	12/30/2012	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-13032		
		REV			
		SHEET 1 OF 4			

4 3 2 1



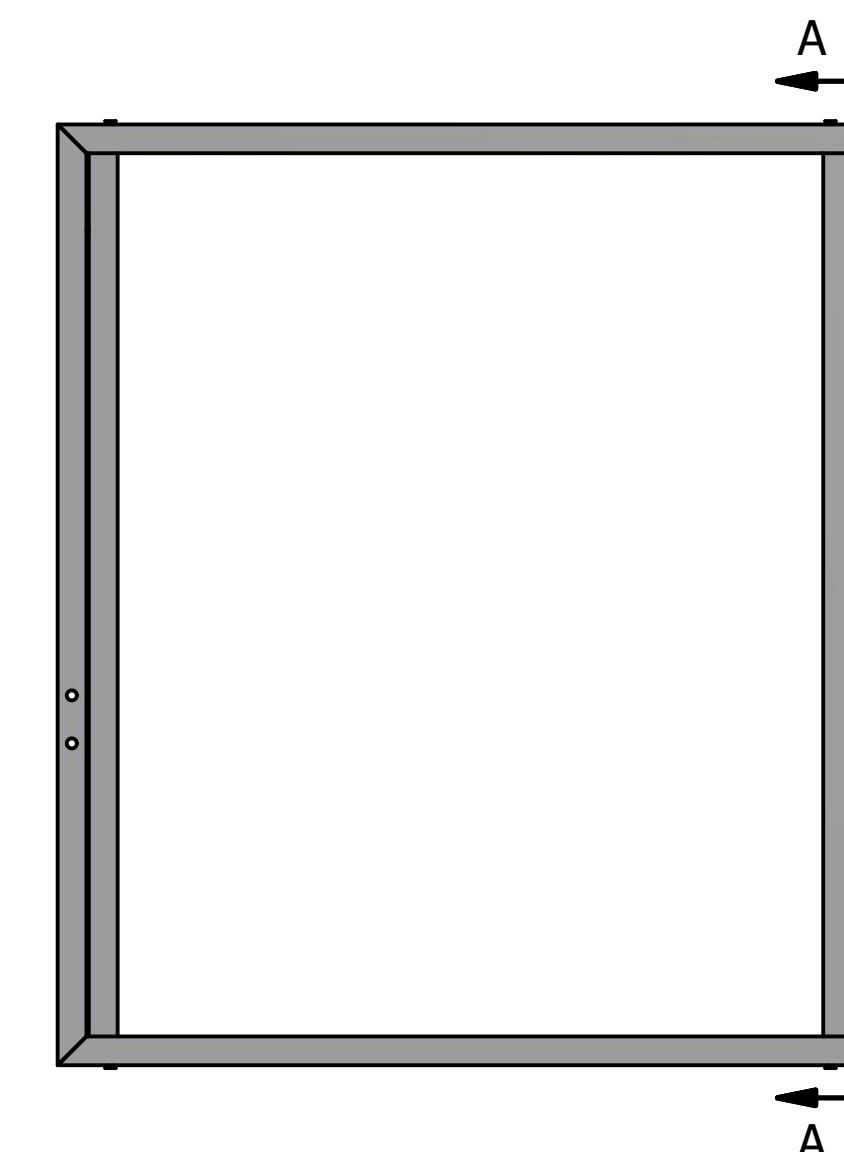
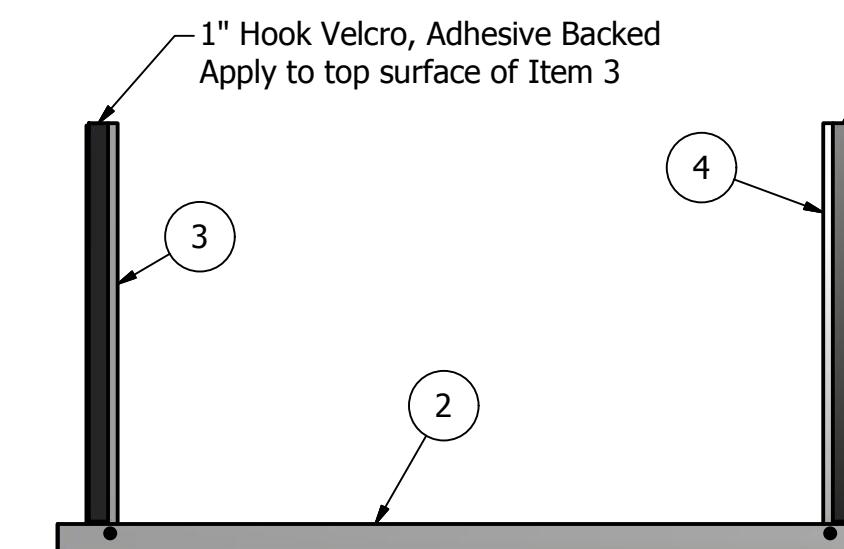
Right Version



Left Version

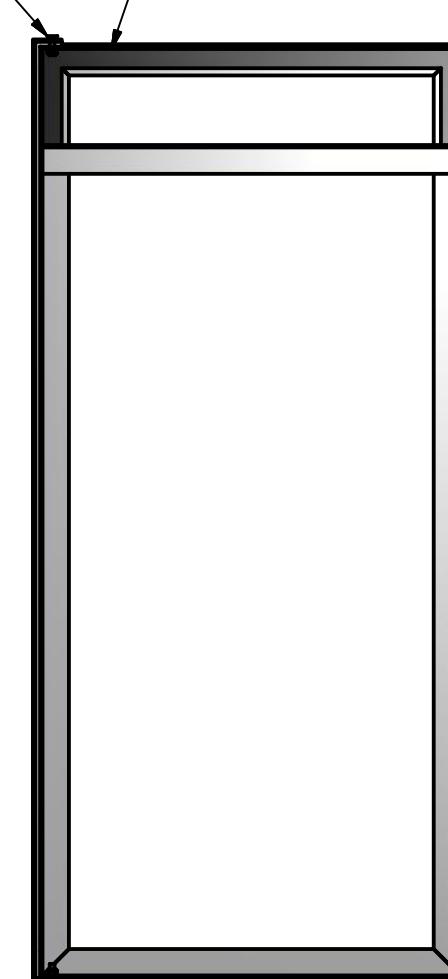
Step 1

1. Apply loop velcro to Item 3 as shown. Please note that there is a left and right version of the velcro per goal assembly.



4 Places
9 10

1" Hook Velcro, Adhesive Backed
Apply to top and sides as shown on Items 3 and 4.



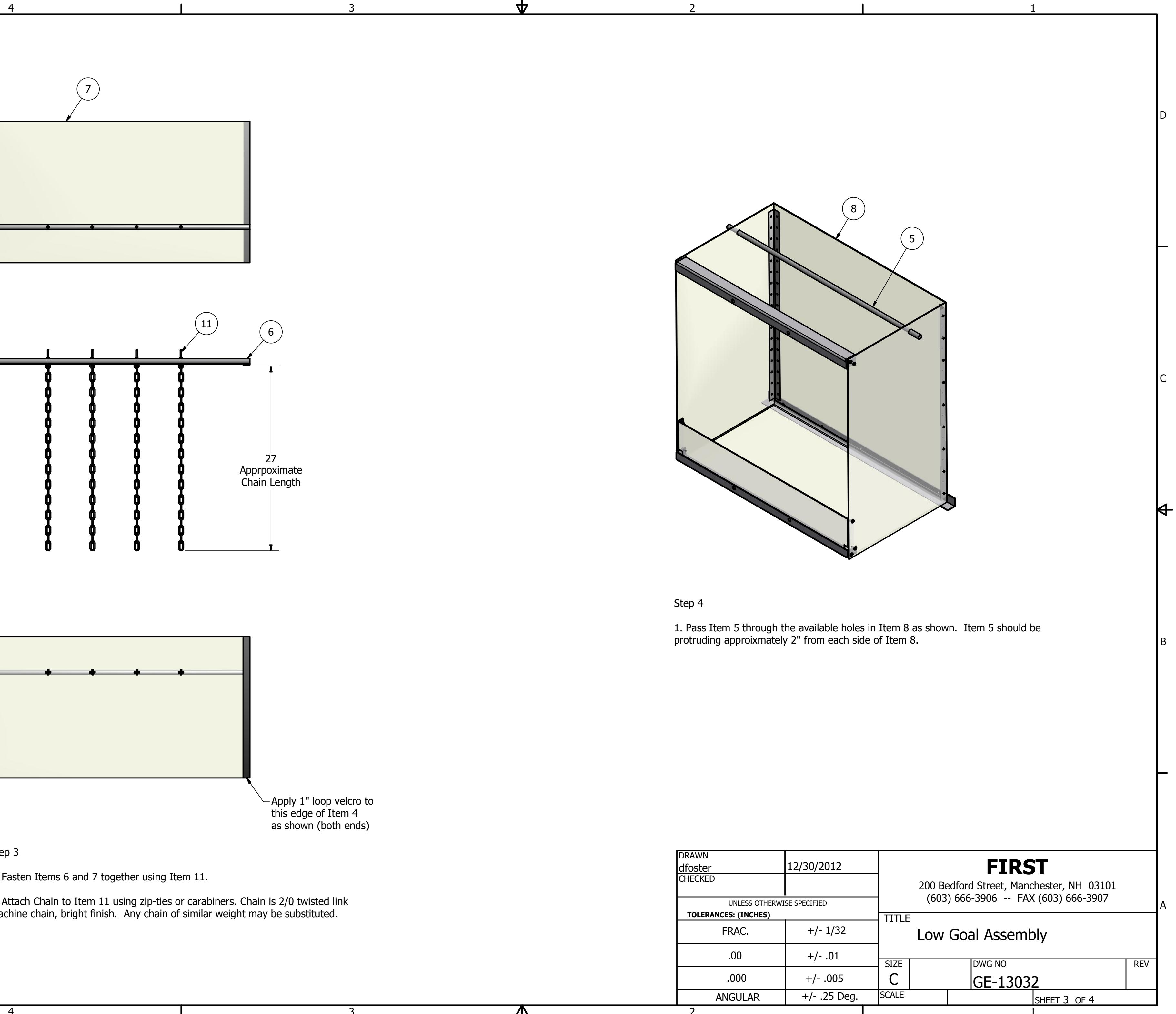
SECTION A-A
SCALE 1/10

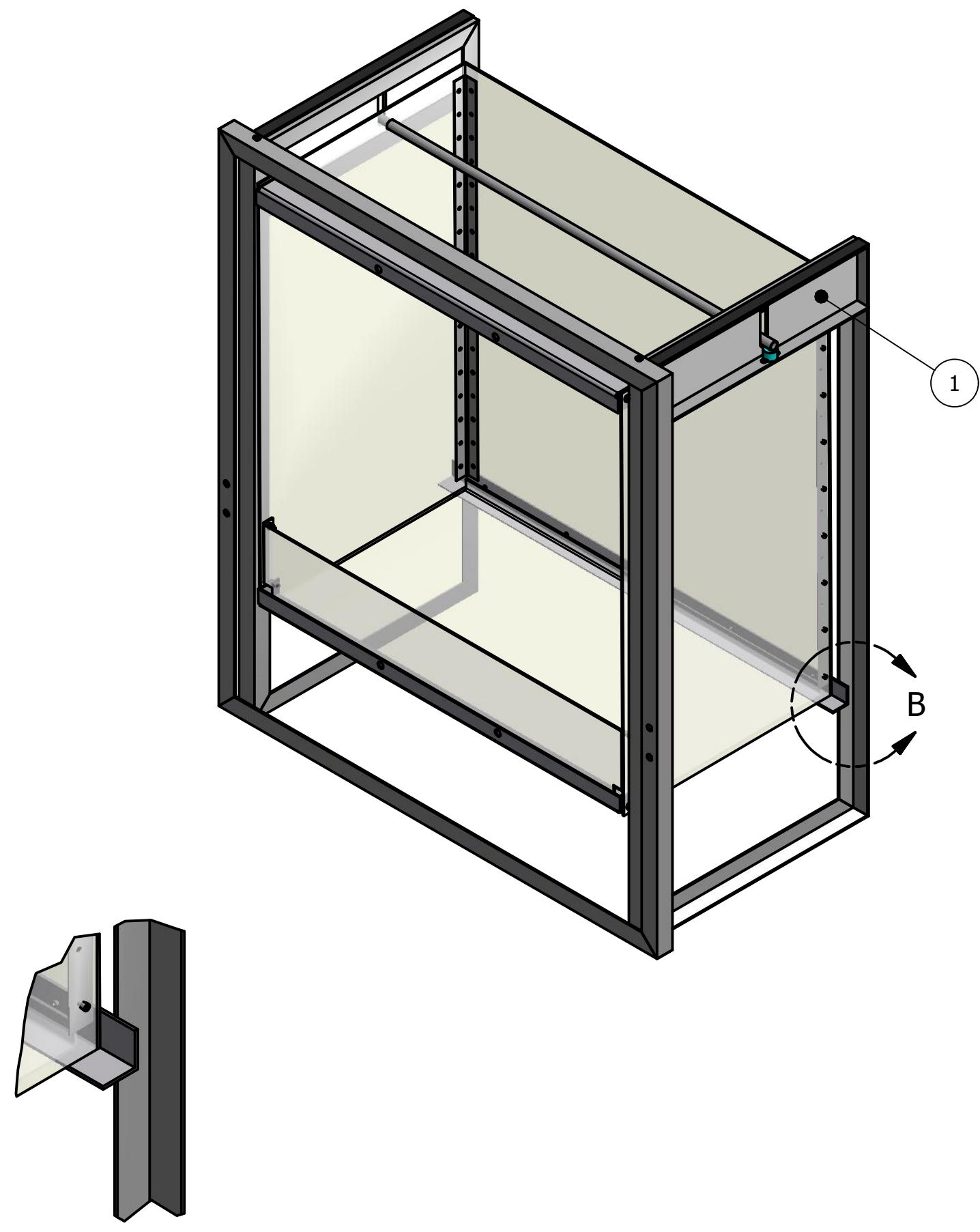
Step 2

1. Bolt Items 3 and 4 to Item 2.
2. Add velcro to the frames as indicated. Velcro is used to aid in assembly and disassembly of GE-13028. A more permanent means of attachment may be used.

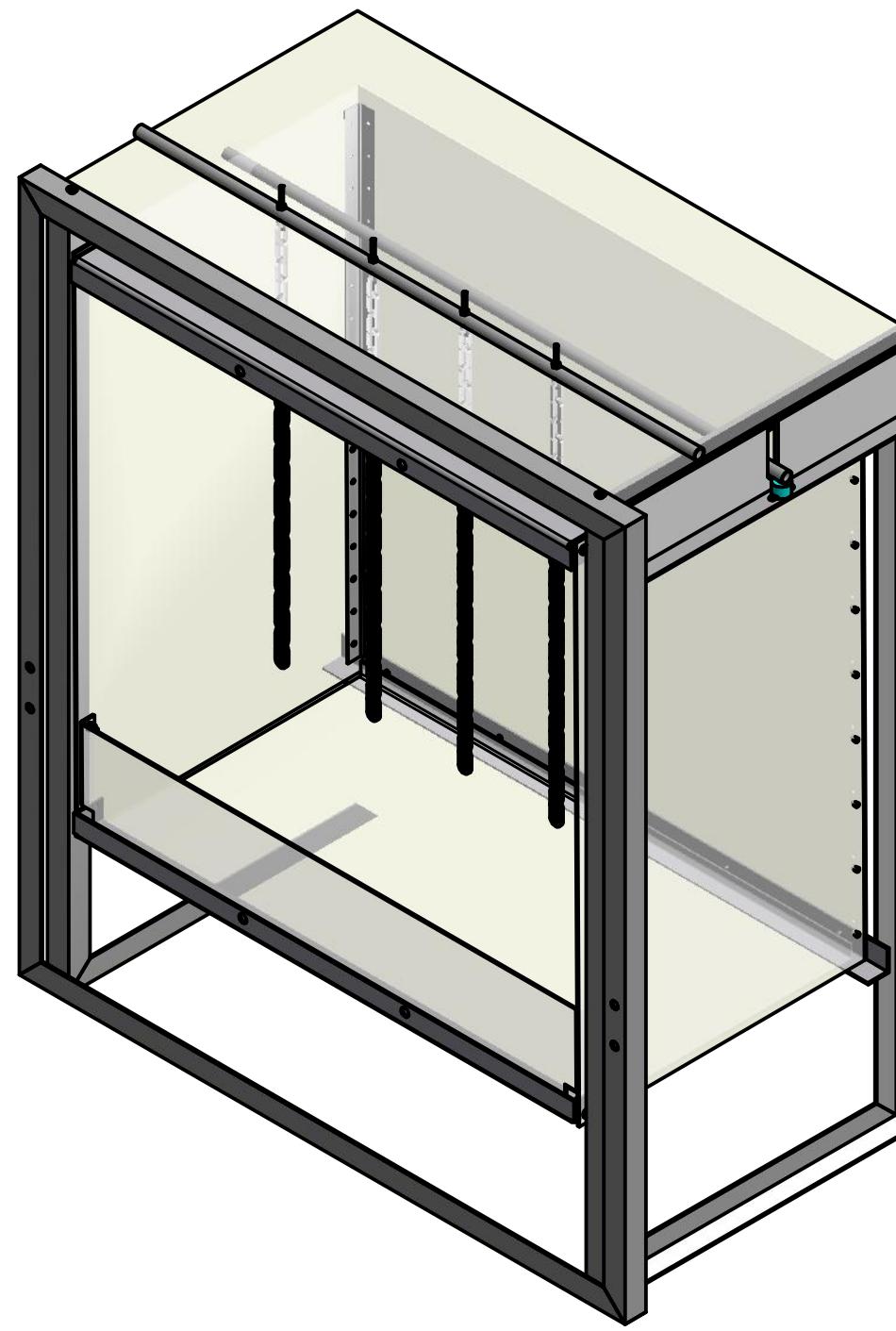
DRAWN dfoster	12/30/2012	FIRST 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
CHECKED				
UNLESS OTHERWISE SPECIFIED				
TOLERANCES: (INCHES)				
FRAC.	+/- 1/32			
.00	+/- .01			
.000	+/- .005			
ANGULAR	+/- .25 Deg.	SCALE	DWG NO	REV
			GE-13032	
				SHEET 2 OF 4

4 3 2 1





DETAIL B
SCALE 1 / 4



DRAWN dfoster	12/30/2012	FIRST		
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
UNLESS OTHERWISE SPECIFIED				
TOLERANCES: (INCHES)		TITLE		
FRAC.	+/- 1/32	Low Goal Assembly		
.00	+/- .01	SIZE	DWG NO	REV
.000	+/- .005	C	GE-13032	
ANGULAR	+/- .25 Deg.	SCALE		SHEET 4 OF 4

4 3 2 1

D

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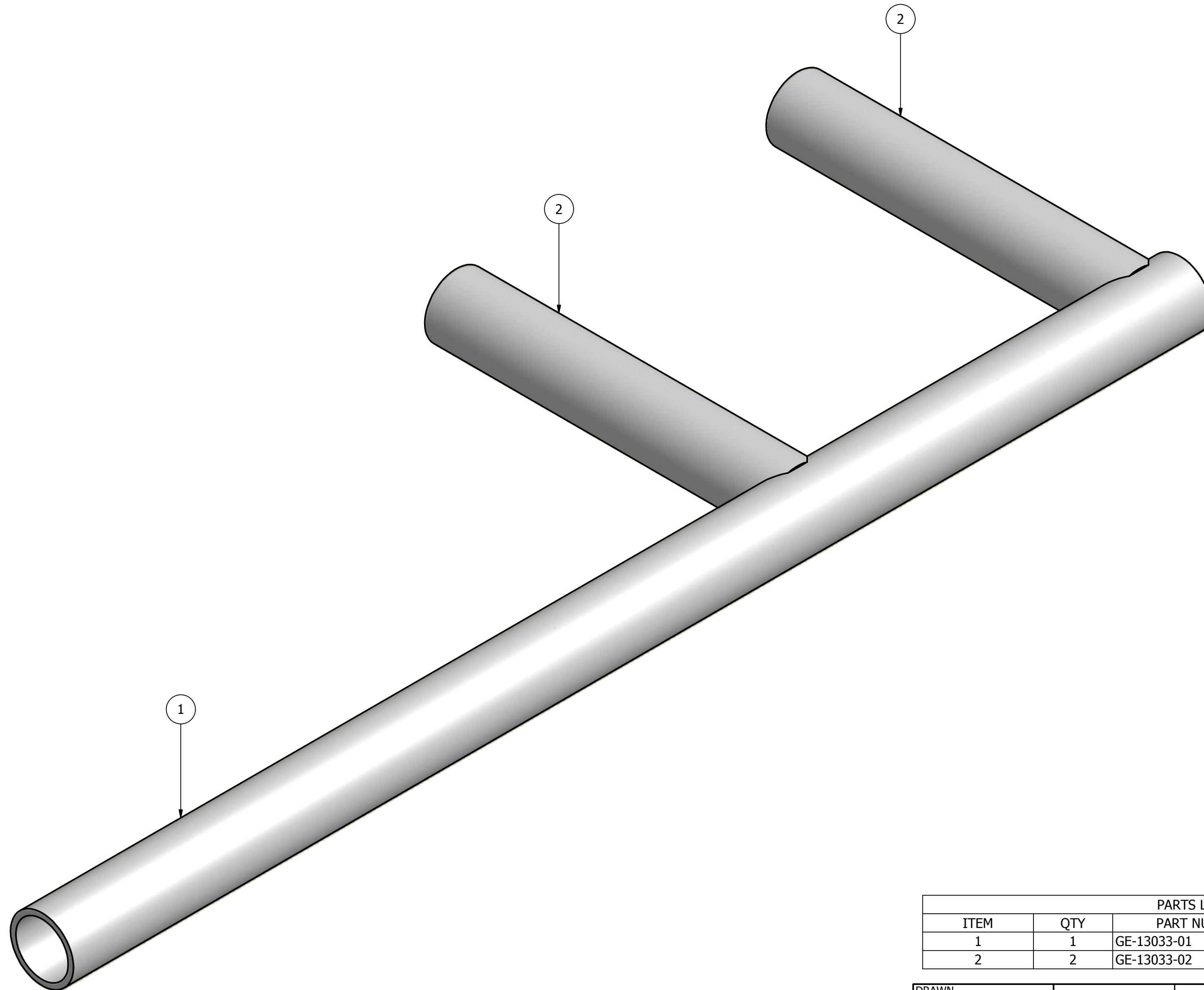
C

B

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A

A



PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	GE-13033-01	Vertical Support
2	2	GE-13033-02	Cross Bar Mount

DRAWN mcyr	10/31/2012	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-13033
		REV	
			SHEET 1 OF 3

4

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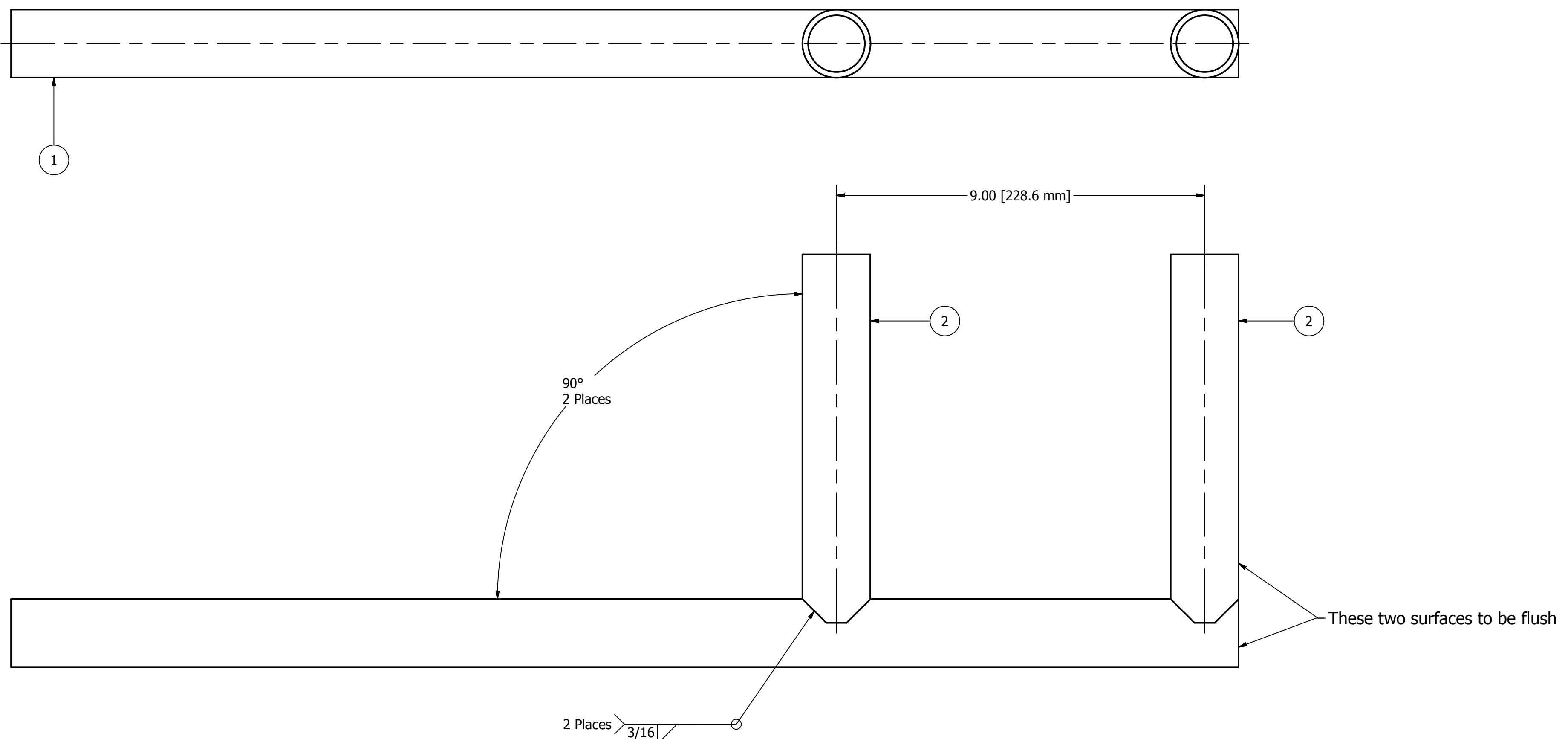
B

C

C

A

A



PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	GE-13033-01	Vertical Support
2	2	GE-13033-02	Cross Bar Mount

DRAWN mcyr	10/31/2012	FIRST			
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907			
UNLESS OTHERWISE SPECIFIED					
TOLERANCES: (INCHES)					
FRAC.	+/- 1/32	TITLE			
.00	+/- .01	F - Frame			
.000	+/- .005	SIZE	DWG NO		
ANGULAR	+/- .25 Deg.	C	GE-13033		
		REV			
			SHEET 2 OF 3		

4

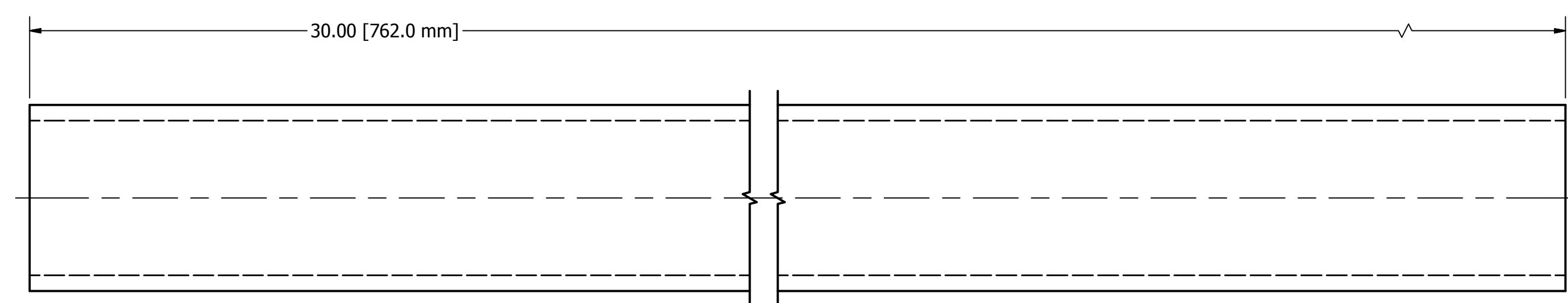
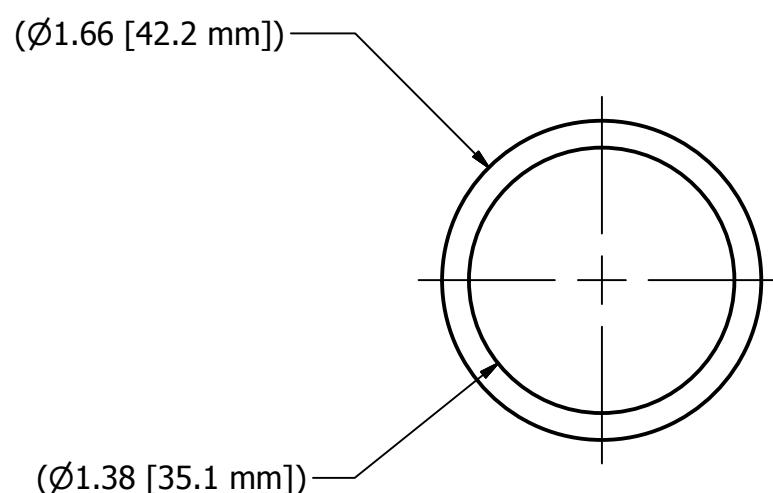
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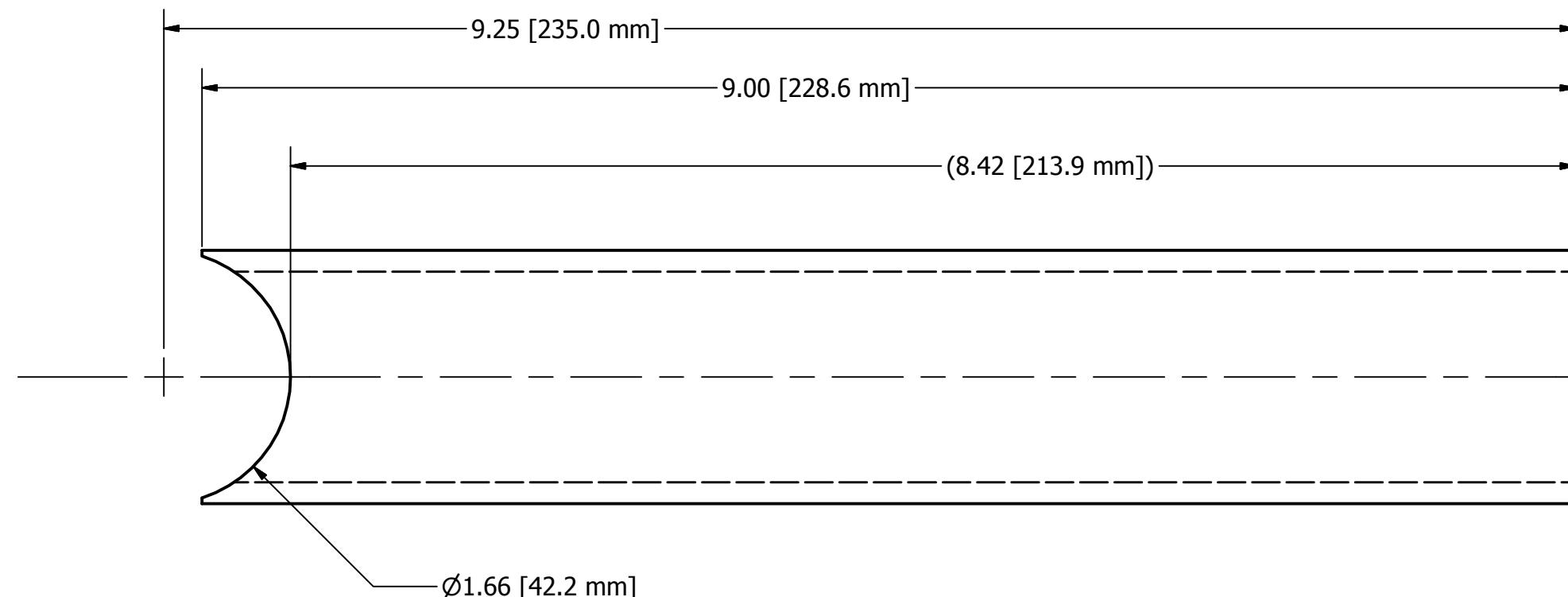
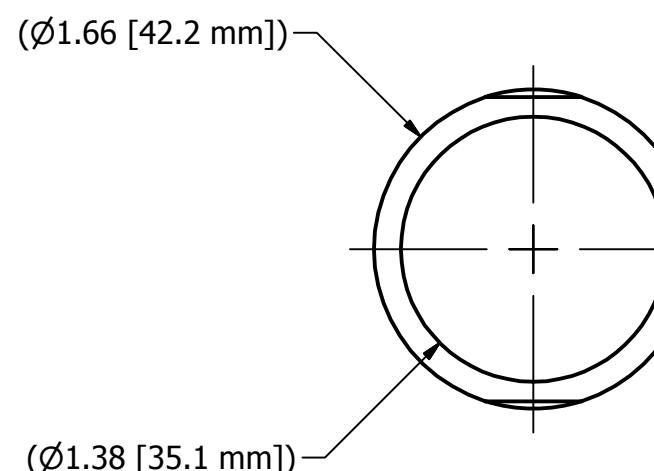
C

C

Item: 1, GE-13033-01, Cross Bar Mount
Material: 1-1/4" Schedule 40, 6061-T6 Aluminum
Scale: 1/1
QTY: 2

A

A



Item: 2, GE-13033-02, Vertical Support
Material: 1-1/4" Schedule 40, 6061-T6 Aluminum
Scale: 1/1
QTY: 1

DRAWN mcyr	10/31/2012	FIRST				
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907				
UNLESS OTHERWISE SPECIFIED						
TOLERANCES: (INCHES)			TITLE			
FRAC.	+/- 1/32	F - Frame				
.00	+/- .01					
.000	+/- .005	SIZE C	DWG NO GE-13033	REV		
ANGULAR	+/- .25 Deg.	SCALE		SHEET 3 OF 3		

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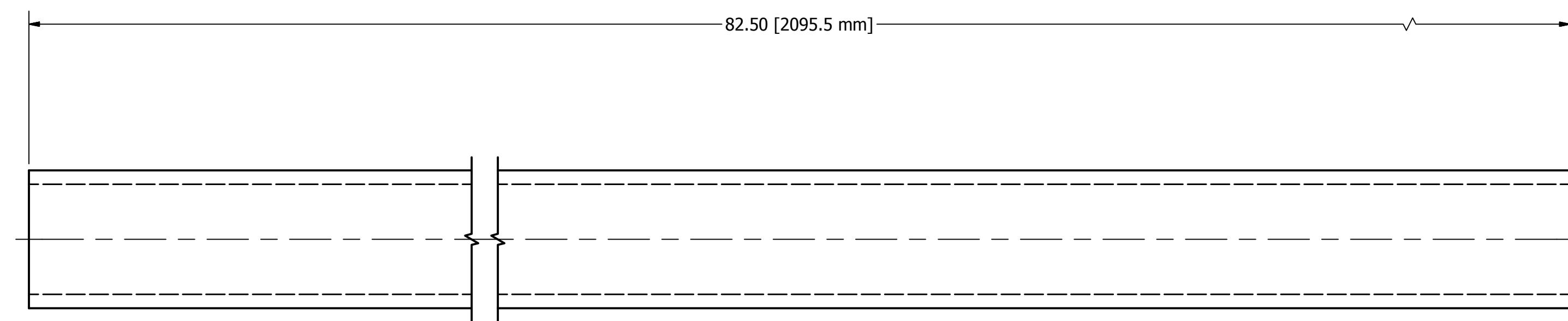
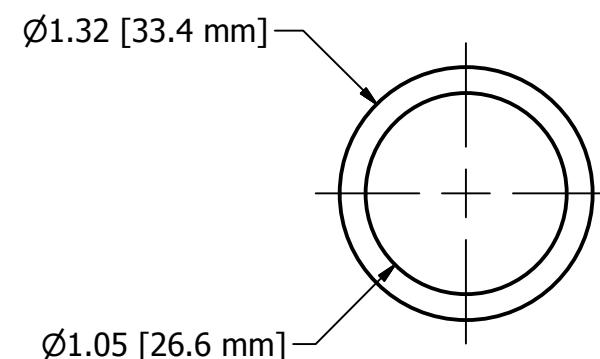
C

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Item: 1, GE-13034, Cross Bar, Corner Goal
Material: 1" Schedule 40, 6061-T6 Aluminum
Scale: 1/1

DRAWN mcyr	10/30/2012	FIRST					
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907					
UNLESS OTHERWISE SPECIFIED							
TOLERANCES: (INCHES)							
FRAC.	+/- 1/32	TITLE					
.00	+/- .01	Cross Bar, Corner Goal					
.000	+/- .005	SIZE					
ANGULAR	+/- .25 Deg.	DWG NO					
		GE-13034					
		REV					
		SCALE					
		SHEET 1 OF 1					

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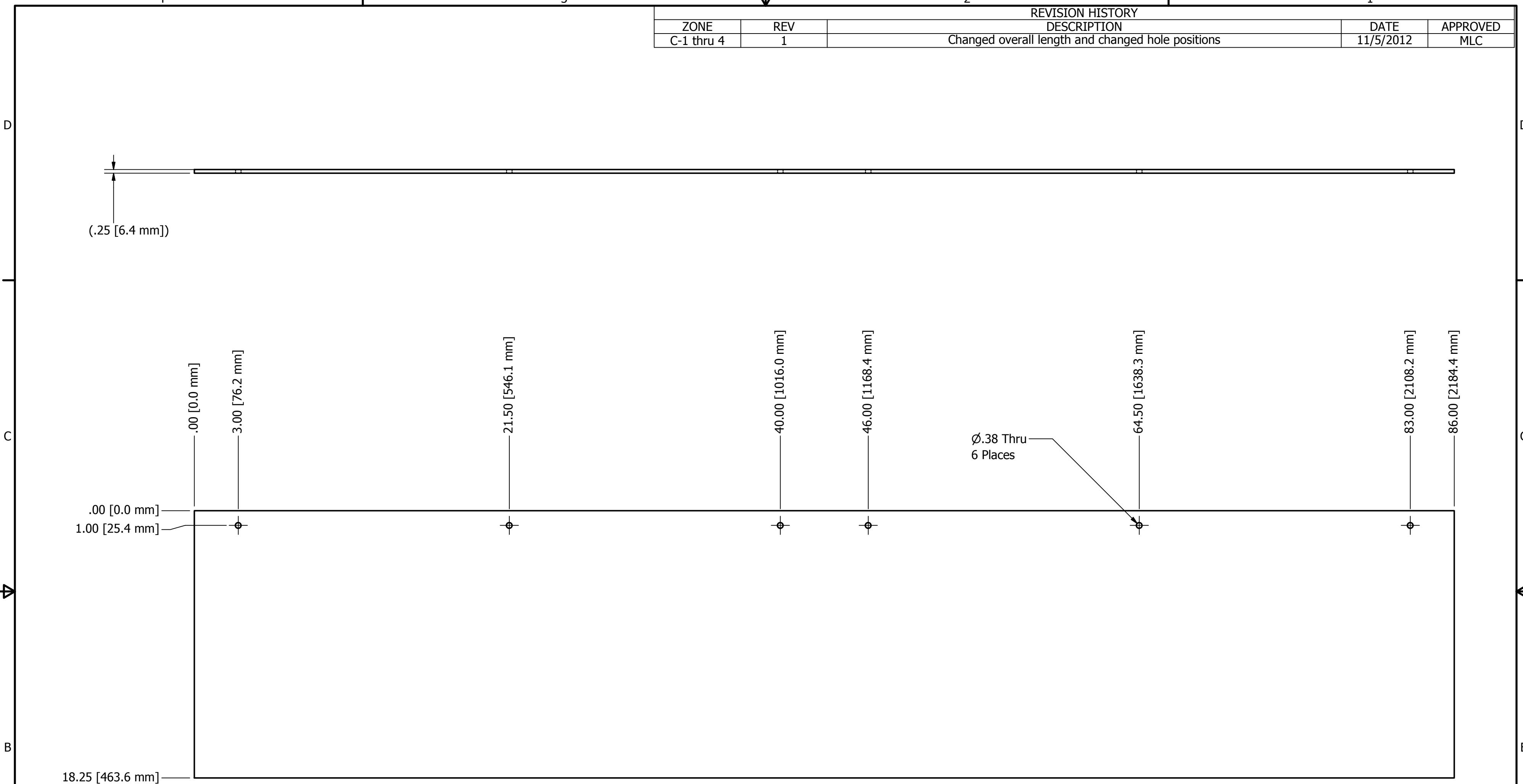
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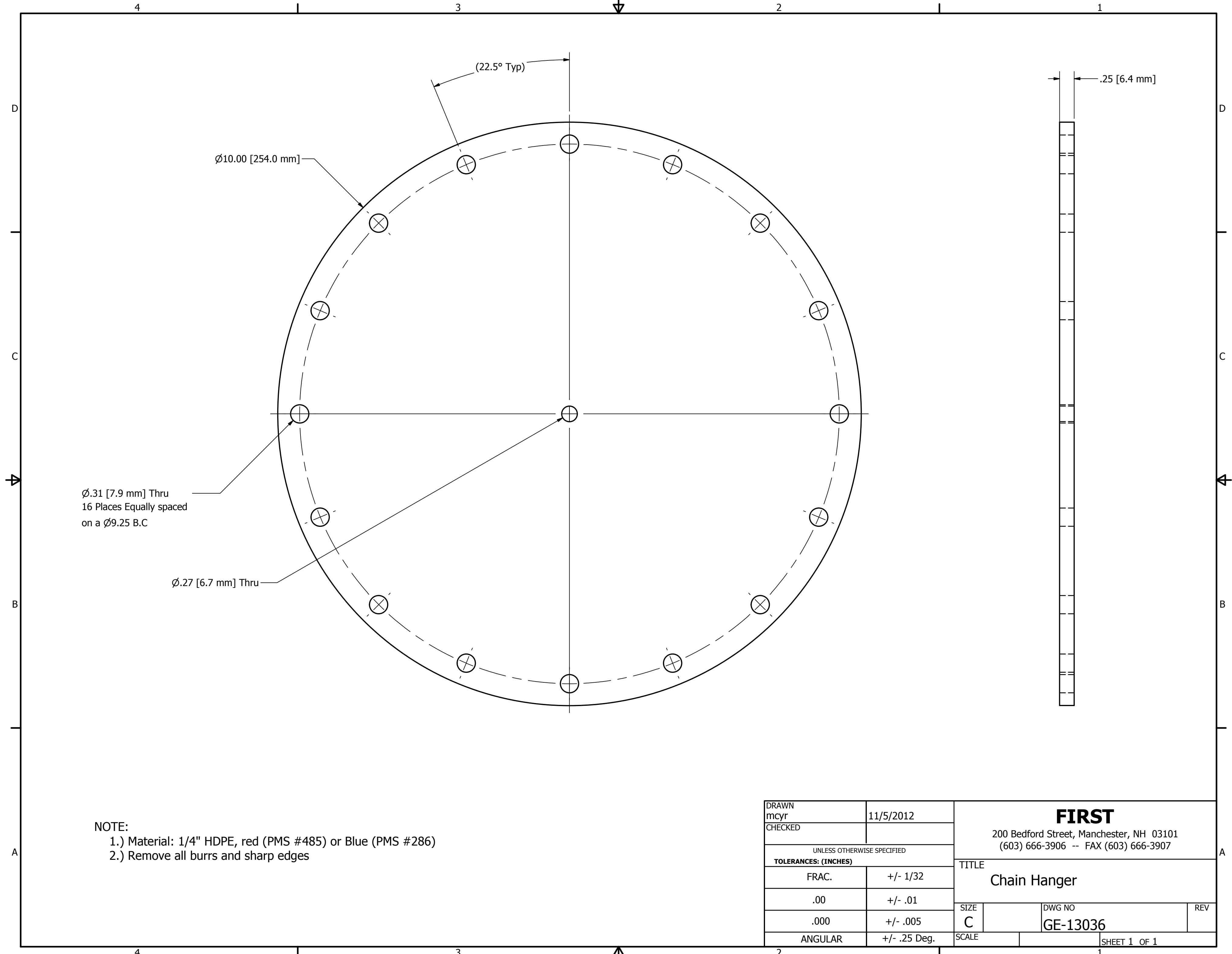
4 3 2 1

ZONE		REV	DESCRIPTION	DATE	APPROVED
C-1 thru 4		1	Changed overall length and changed hole positions	11/5/2012	MLC

**Note:**

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

DRAWN mcyr	11/2/2012	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-13035
			REV	1



REVISION HISTORY

DESCRIPTION

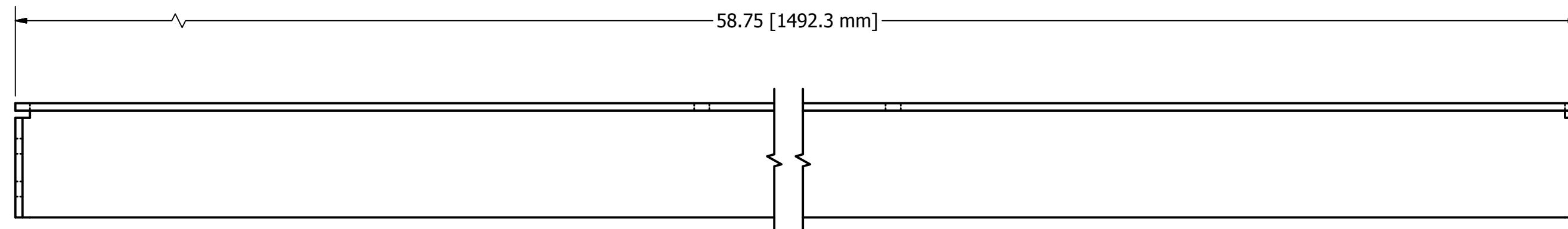
DATE

APPROVED

ZONE	REV		
All	1		
C	2	Changed overall dimensions of part to make it smaller Changed thru holes from .547 and .271 to .265" thru	11/8/2012 11/15/12

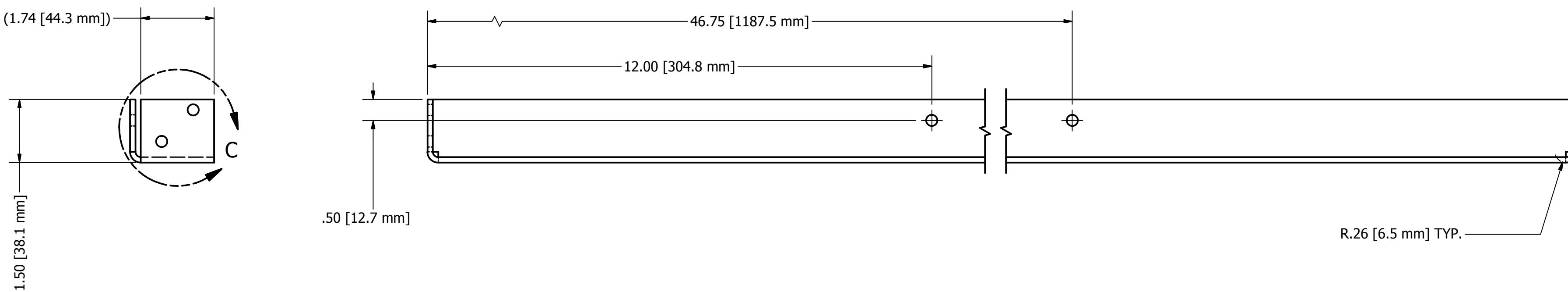
D

D



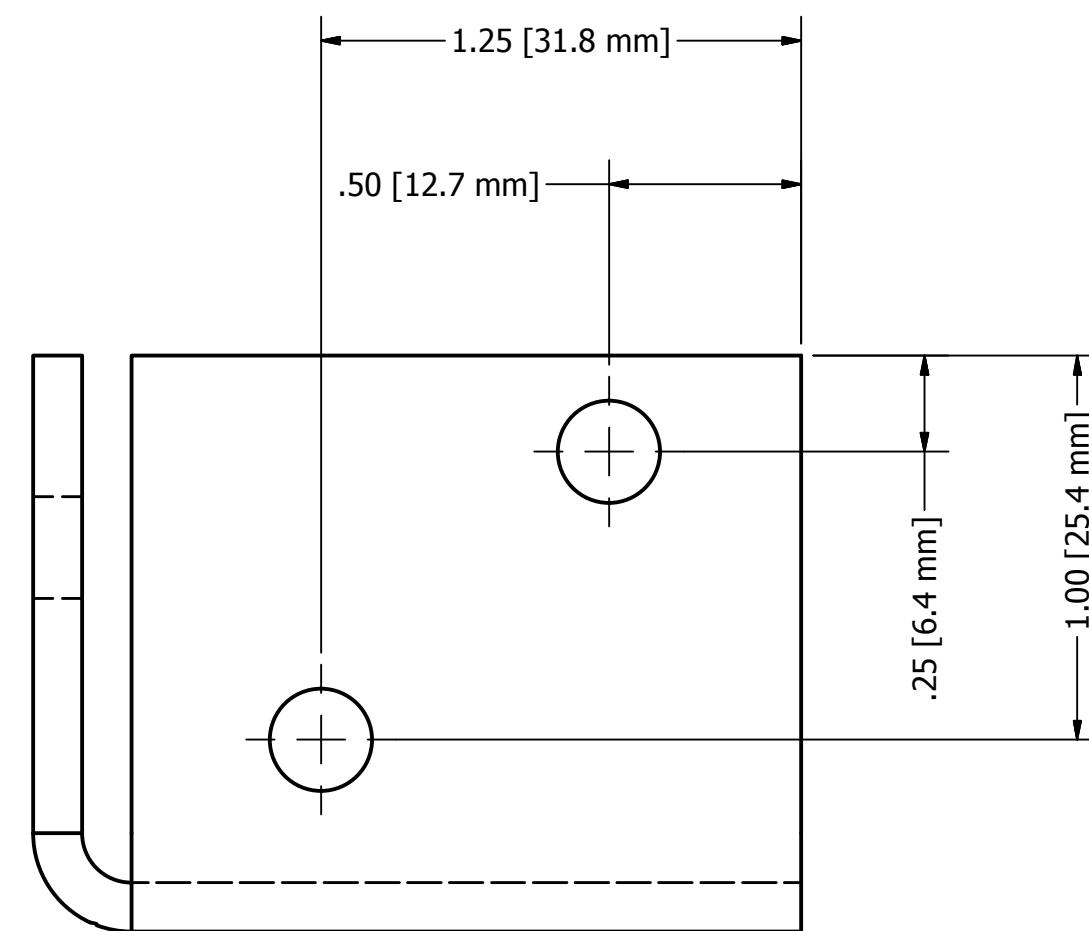
C

C



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DETAIL C
SCALE 2 : 1

NOTES:

- 1.) Material: 5052-H32 Aluminum Sheet .125" Thick
- 2.) Remove all burrs and sharp edges

DRAWN mcyr	11/6/2012	FIRST 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907	
CHECKED			
UNLESS OTHERWISE SPECIFIED			
TOLERANCES: (INCHES)			
FRAC.	+/- 1/32	TITLE Box Brace SIZE C DWG NO GE-13037 REV 1 SCALE SHEET 1 OF 2	
.00	+/- .01		
.000	+/- .005		
ANGULAR	+/- .25 Deg.		

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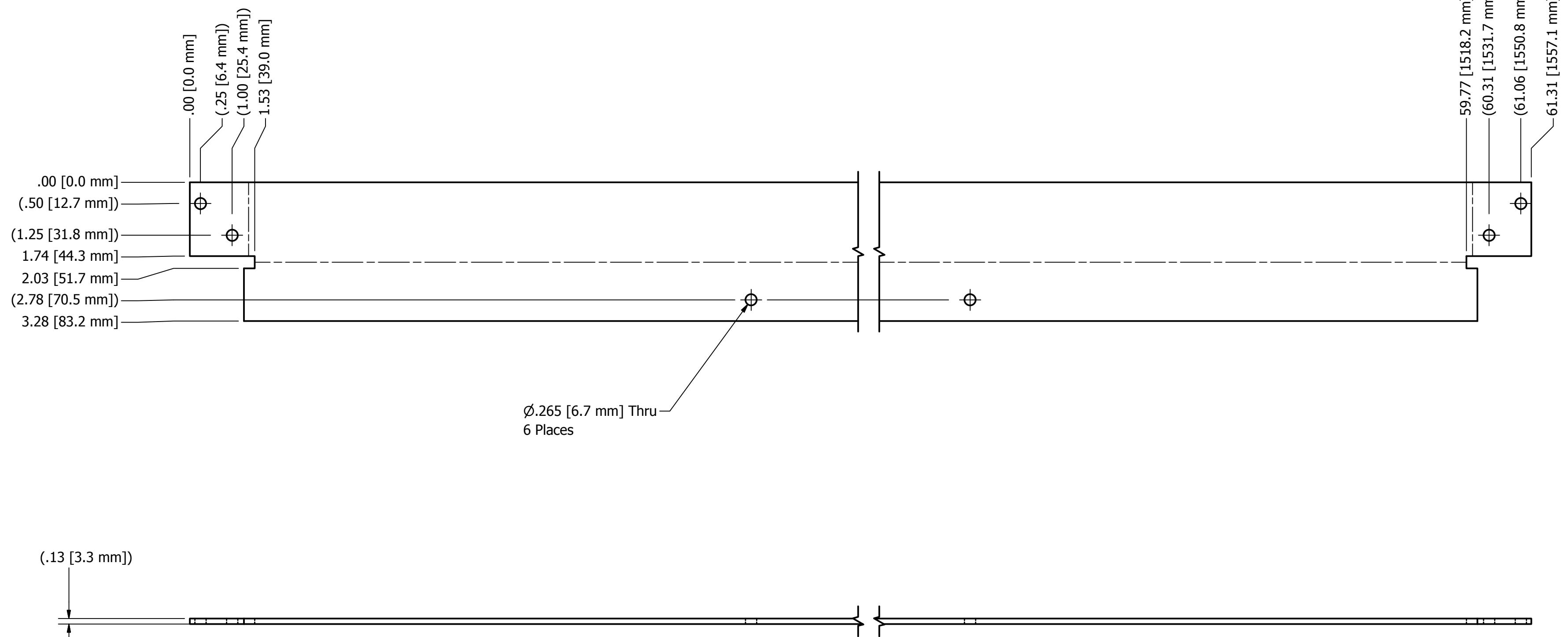
D

C

C

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A



DRAWN mcyr	11/6/2012	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-13037	1			
			SHEET 2 OF 2				

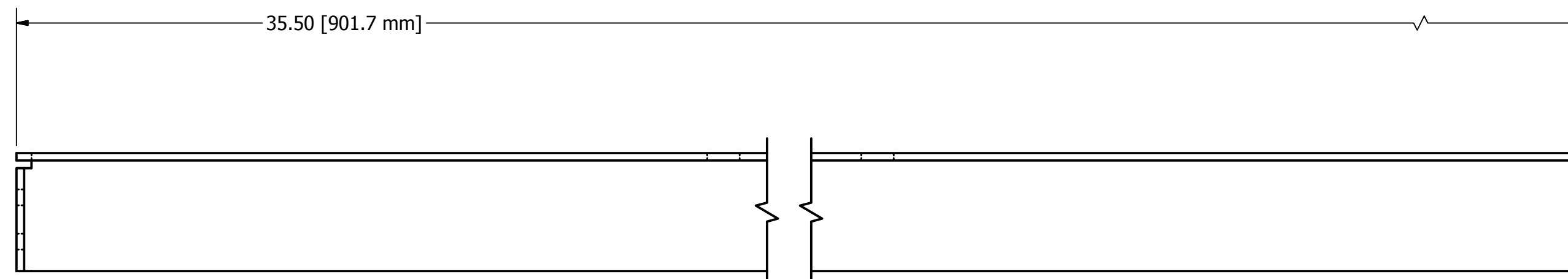
REVISION HISTORY

DESCRIPTION

ZONE	REV	DESCRIPTION	DATE	APPROVED
All	1	Changed overall dimensions of part to make it smaller	11/8/2012	MLC
C	2	Changed thru holes from .547 and .271 to .265" thru	11/15/12	MLC

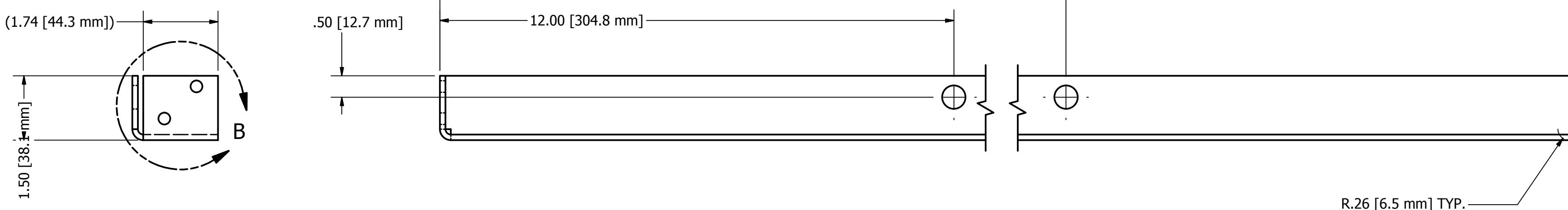
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D



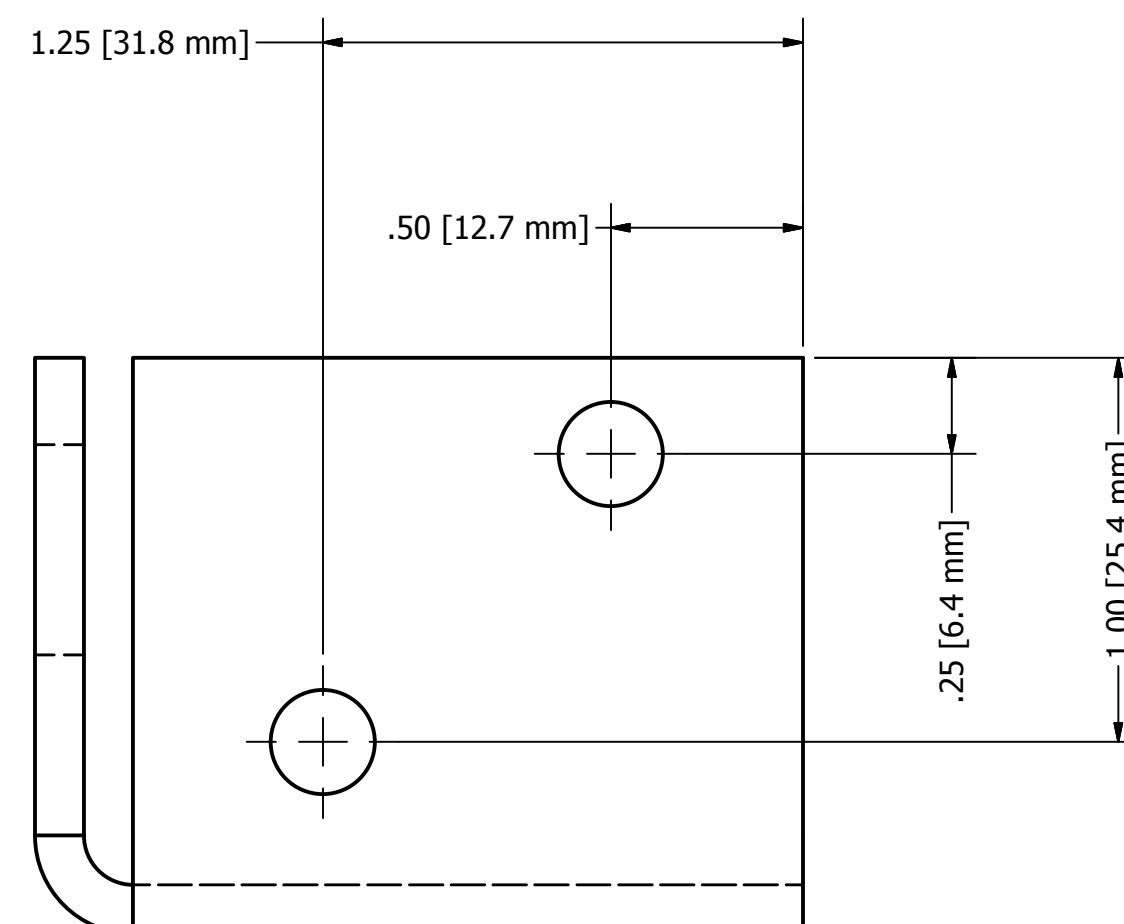
C

C



B

B



DETAIL B
SCALE 2 : 1

NOTES:

- 1.) Material: 5052-H32 Aluminum Sheet .125" Thick
- 2.) Remove all burrs and sharp edges

DRAWN mcyr	11/6/2012	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-13038
			REV 1
			SHEET 1 OF 2

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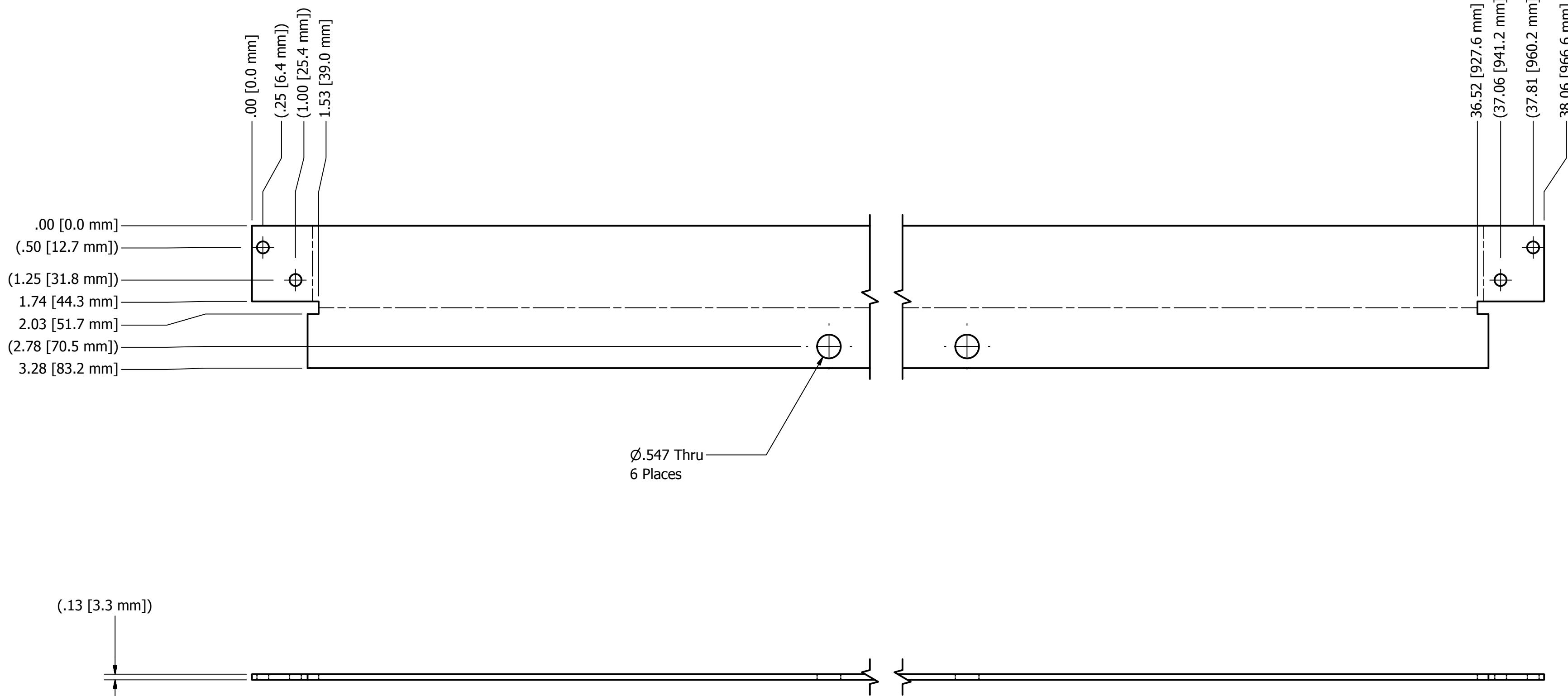
D

C

C

A

A



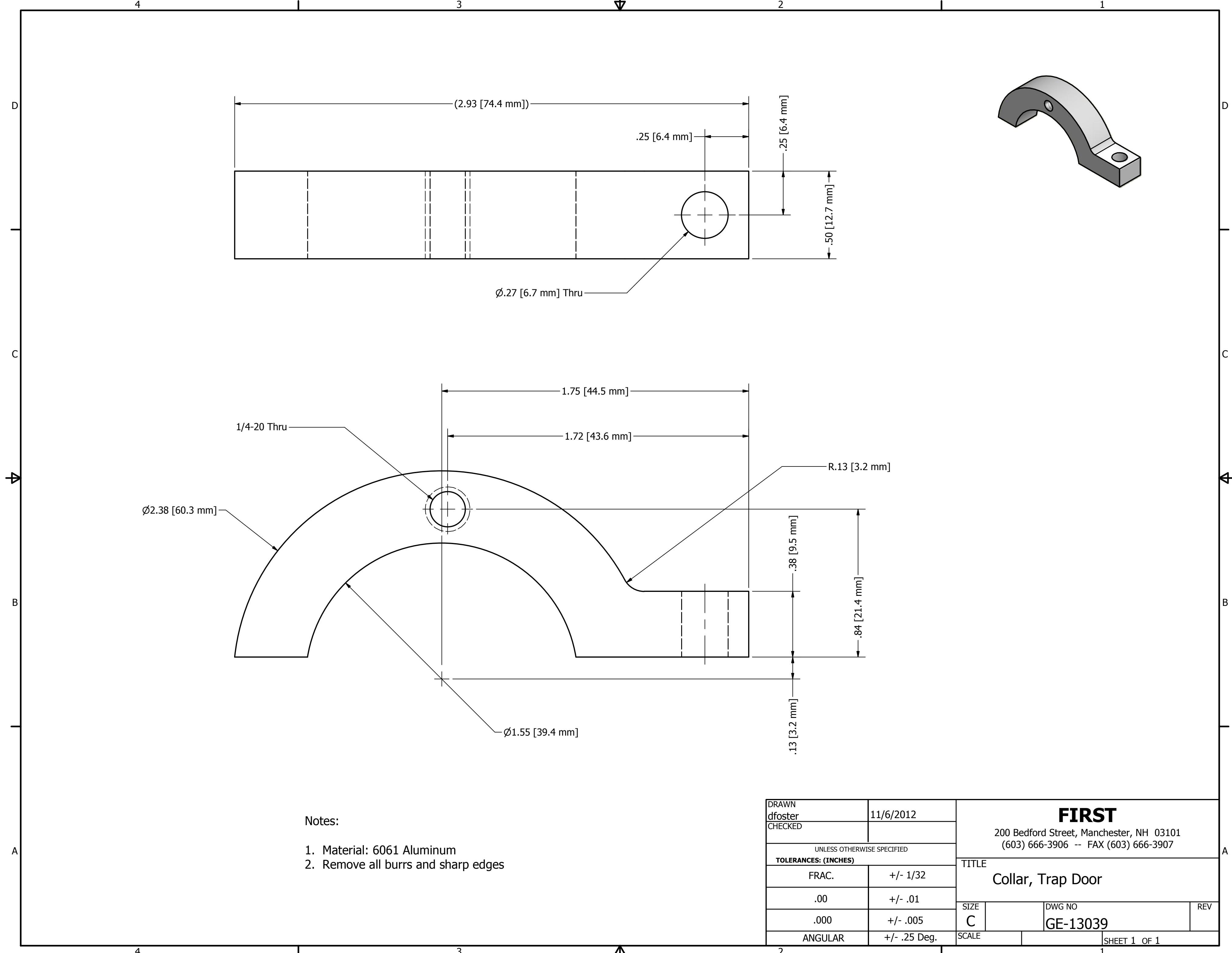
DRAWN mcyr	11/6/2012	FIRST		
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
UNLESS OTHERWISE SPECIFIED				
TOLERANCES: (INCHES)		TITLE		
FRAC.	+/- 1/32	Box Brace, Low Goal		
.00	+/- .01	SIZE		
.000	+/- .005	DWG NO		
ANGULAR	+/- .25 Deg.	SCALE		REV 1
			GE-13038	
			SHEET 2 OF 2	

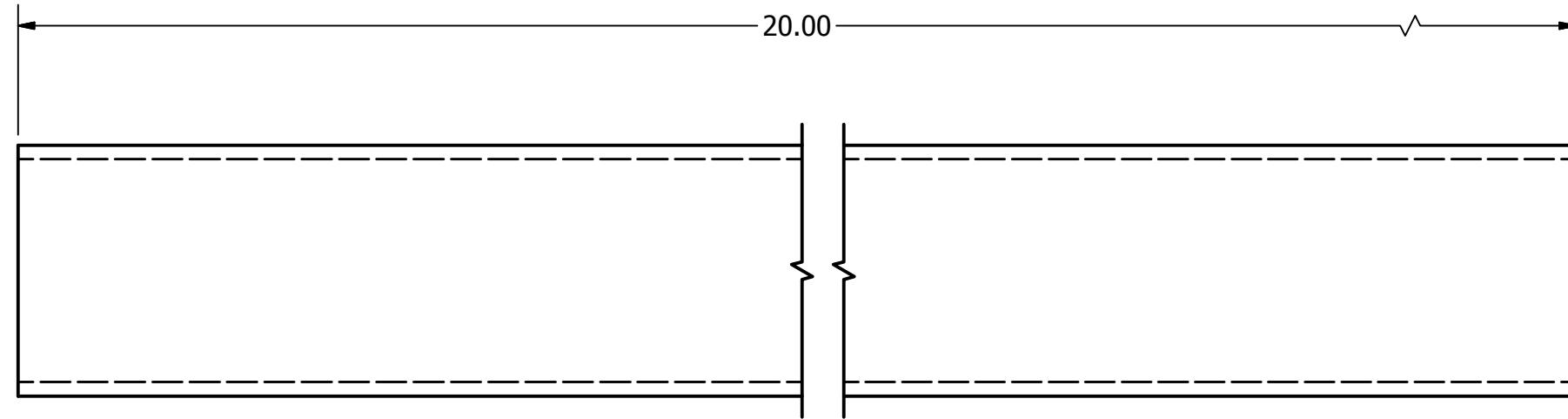
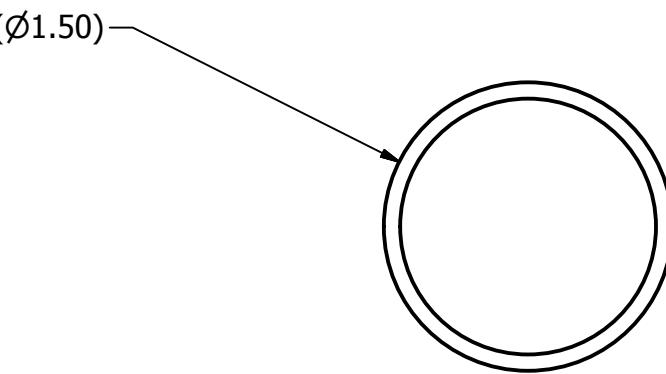
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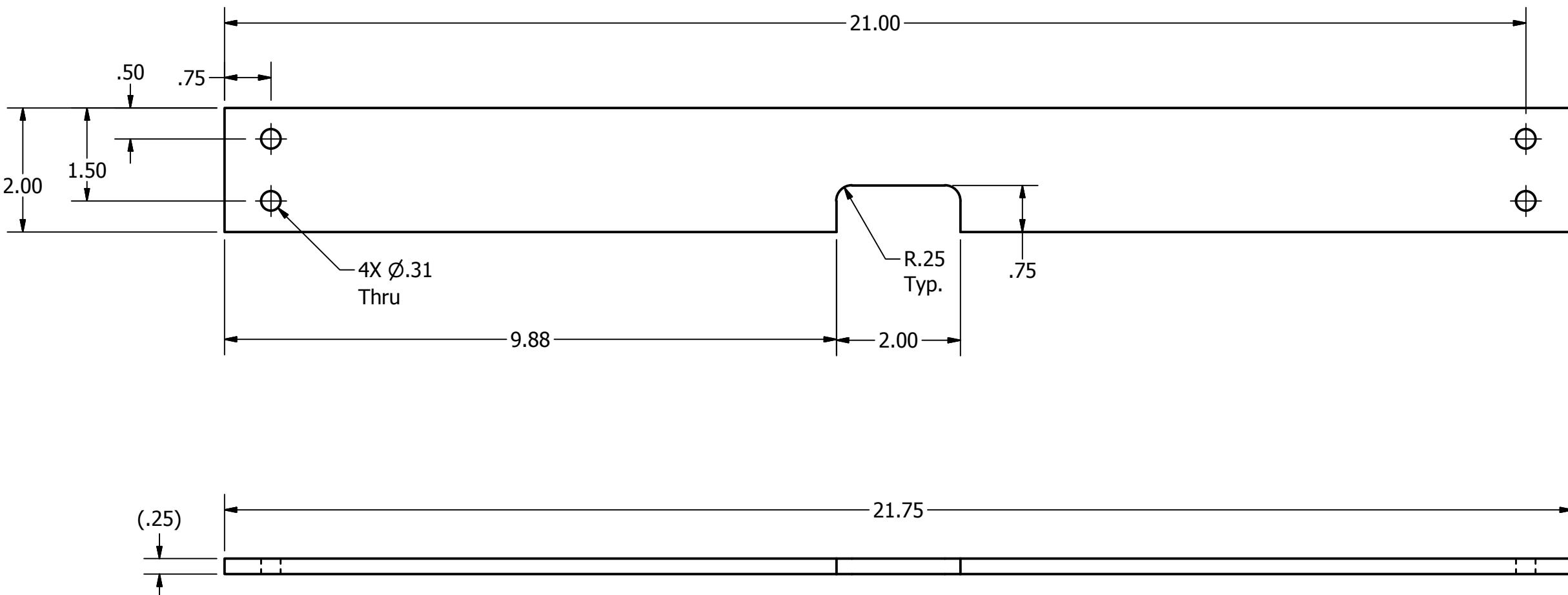




Notes:

1. Material: 1-1/2" Steel DOM tubing, .083 wall thickness
2. Cover pole with Reflexite Retroreflective Fabric.

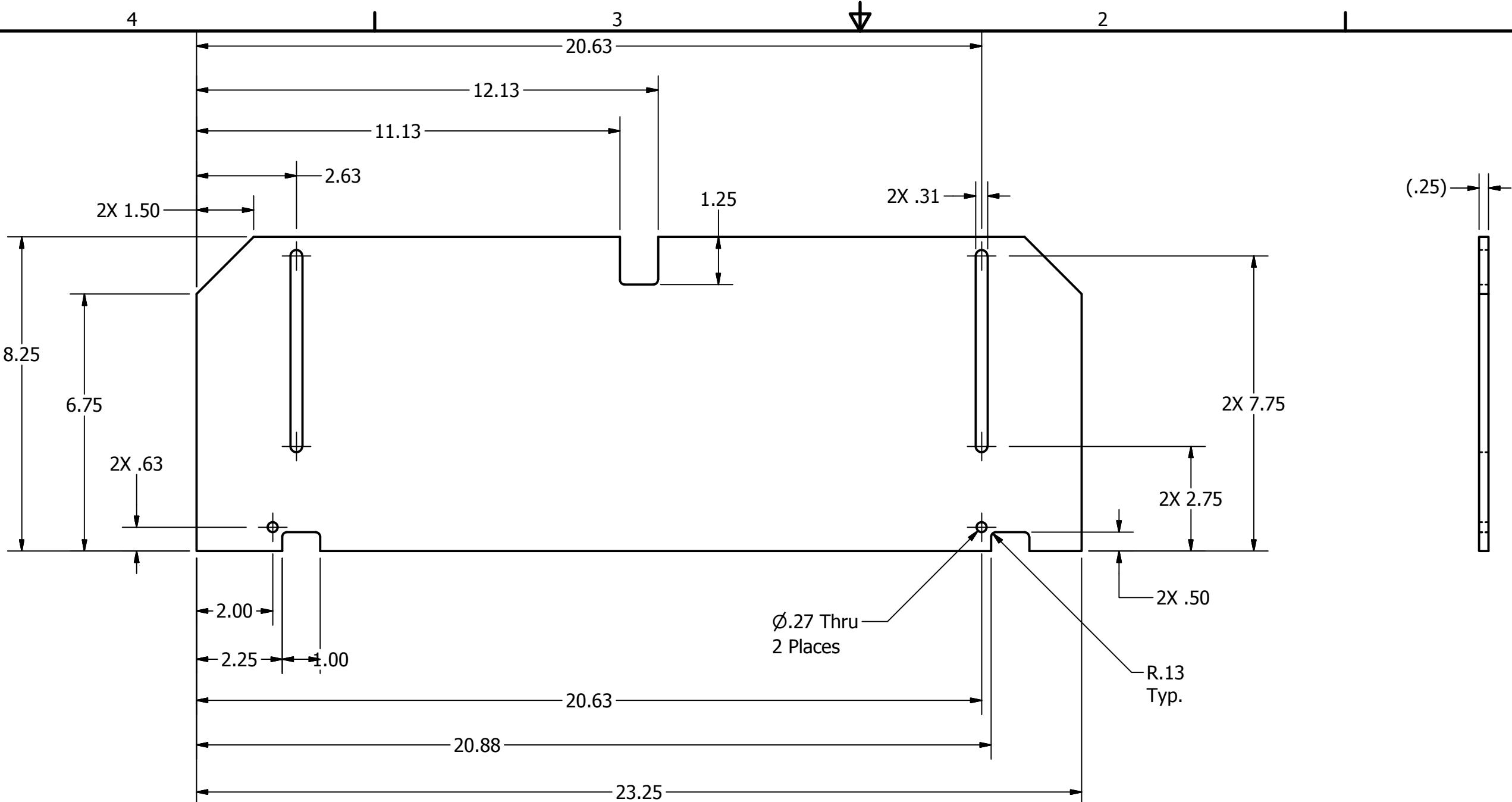
DRAWN dfoster	11/11/2012	FIRST			
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907			
UNLESS OTHERWISE SPECIFIED					
TOLERANCES: (INCHES)		TITLE			
FRAC.	+/- 1/32	Pole, Reflective			
.00	+/- .01	SIZE	DWG NO	REV	
.000	+/- .005	B	GE-13040		
ANGULAR	+/- .25 Deg.	SCALE		SHEET 1 OF 1	



Notes:

1. Material: Clear Polycarbonate, .25" thick.
2. Remove all burrs and sharp edges.

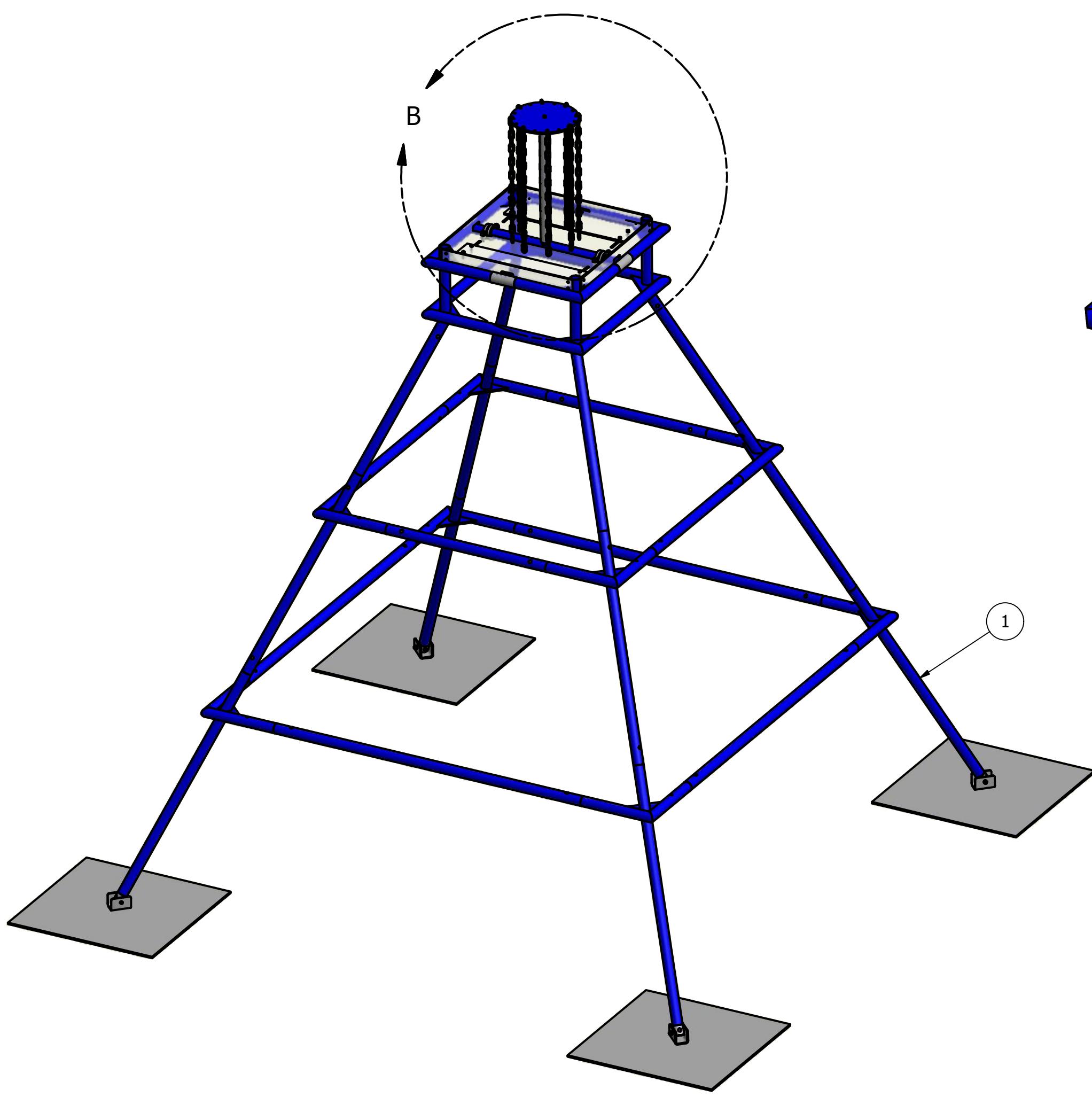
DRAWN dfoster	11/11/2012	FIRST			
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907			
UNLESS OTHERWISE SPECIFIED					
TOLERANCES: (INCHES)		TITLE			
FRAC.	+/- 1/32	Side Plastic, Pyramid Goal			
.00	+/- .01	SIZE			
.000	+/- .005	B	DWG NO		
ANGULAR	+/- .25 Deg.	GE-13041		REV	
SCALE				SHEET 1 OF 1	



Notes:

1. Material: 1/4" thick, Clear Polycarbonate.
2. Remove all burrs and sharp edges.

DRAWN dfoster	11/11/2012	FIRST		
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
UNLESS OTHERWISE SPECIFIED				
TOLERANCES: (INCHES)		TITLE		
FRAC.	+/- 1/32	Floor, Pyramid Goal		
.00	+/- .01	SIZE	DWG NO	REV
.000	+/- .005	B	GE-13042	
ANGULAR	+/- .25 Deg.	SCALE		SHEET 1 OF 1



DETAIL B
SCALE 0.13 : 1

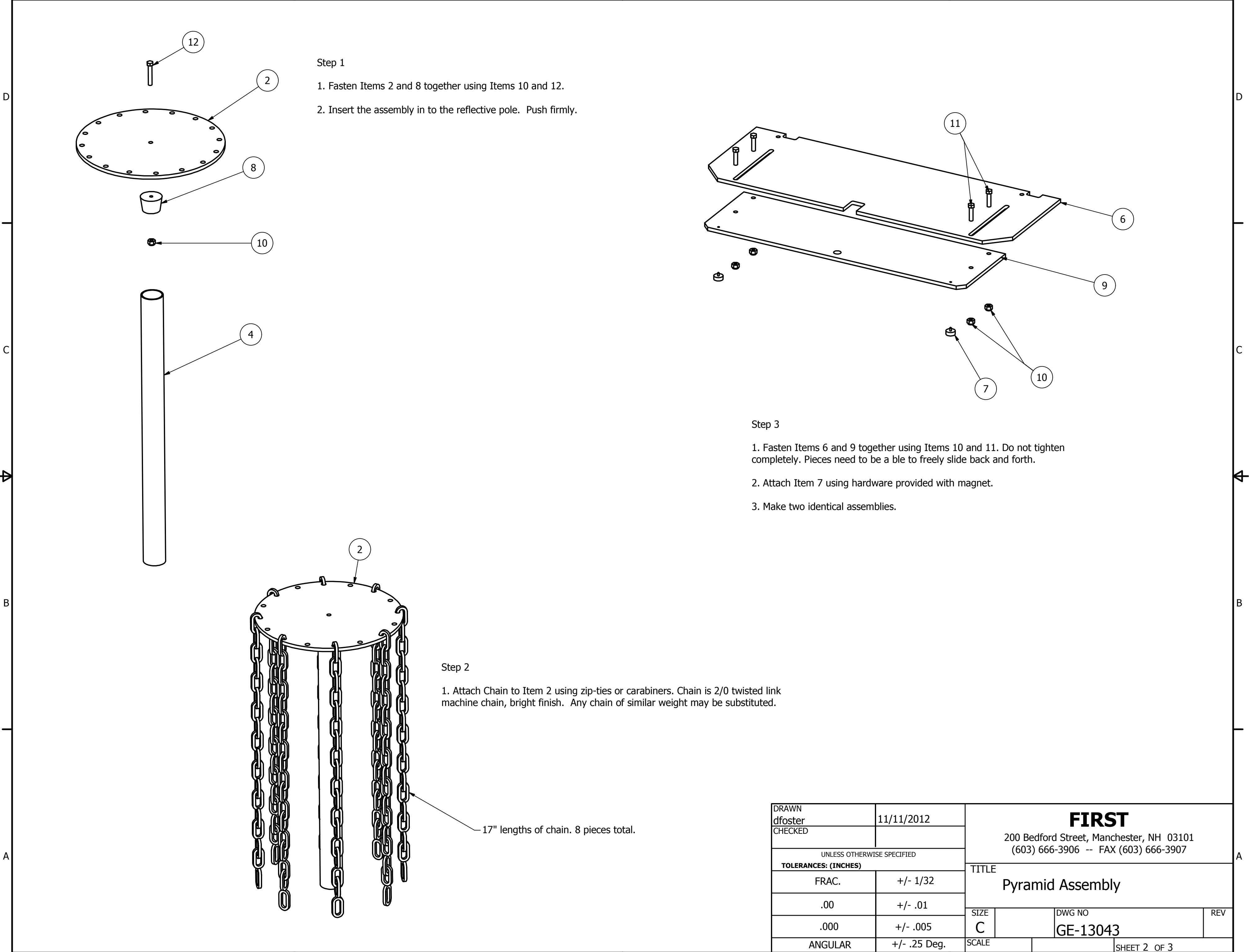
PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	GE-13017	Pyramid
2	1	GE-13036	Chain Hanger
3	8	GE-13039	Collar, Trap Door
4	1	GE-13040	Pole, Reflective
5	4	GE-13041	Side Plastic, Pyramid Goal
6	2	GE-13042	Floor, Pyramid Goal
7	4	GE-13043-01	Magnet, McMaster#3506K25
8	1	GE-13043-02	Rubber Stopper, McMaster#9545K33
9	2	GE-13084	Floor 2, Pyramid Goal
10	13	HW-00002	Nut, Lock 1/4-20
11	8	HW-00020	HHCS 1/4-20 x 1" Zinc Plate
12	5	HW-00034	HHCS 1/4-20 x 1" Zinc Plate

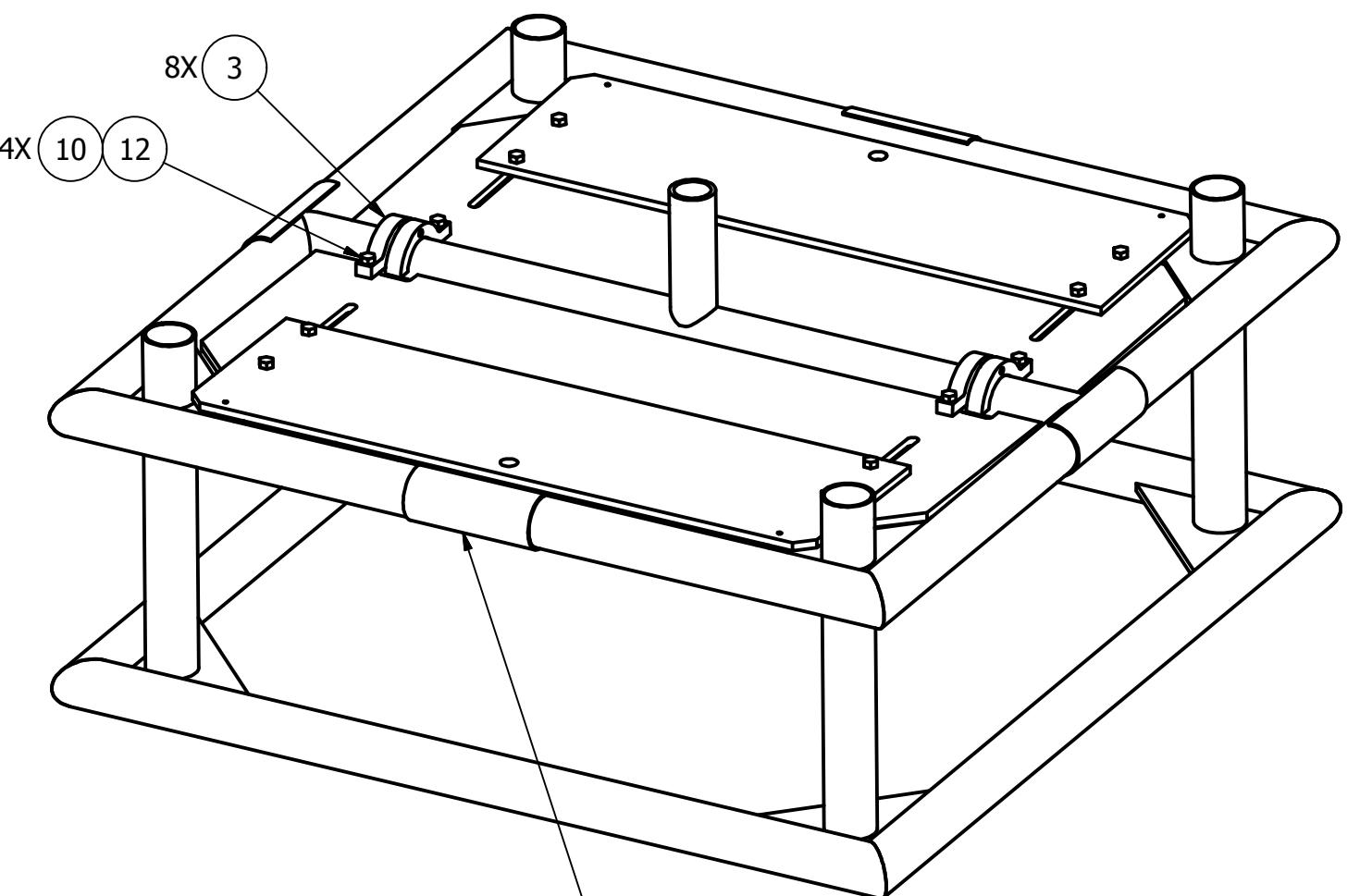
DRAWN dfoster	11/11/2012	FIRST 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907			
CHECKED					
UNLESS OTHERWISE SPECIFIED					
TOLERANCES: (INCHES)					
FRAC.	+/- 1/32	TITLE Pyramid Assembly			
.00	+/- .01				
.000	+/- .005	SIZE C	DWG NO GE-13043		
ANGULAR	+/- .25 Deg.	SCALE	REV		
			SHEET 1 OF 3		

4 3 2 1

4 3 2 1

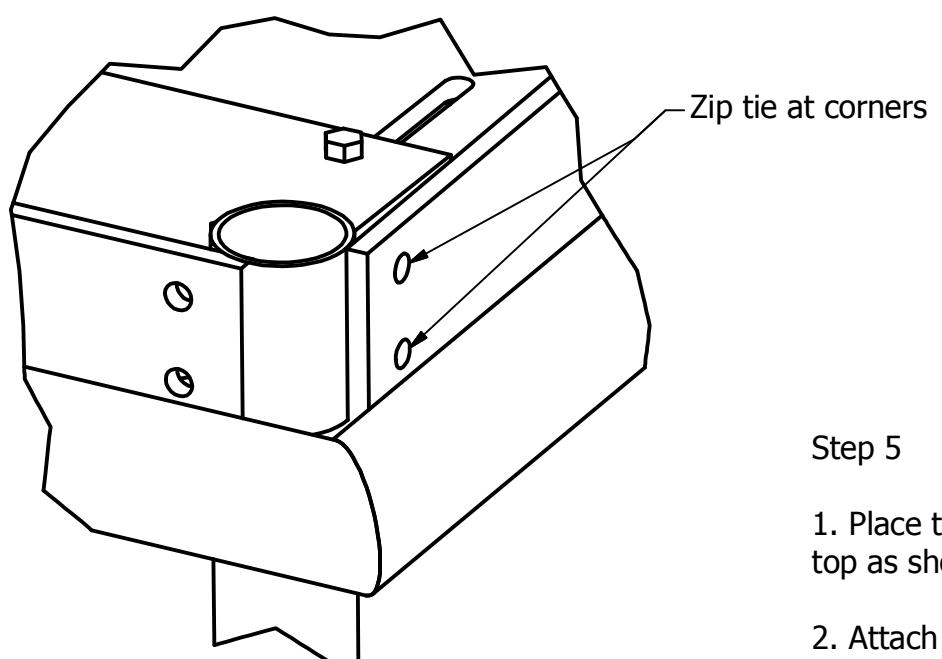
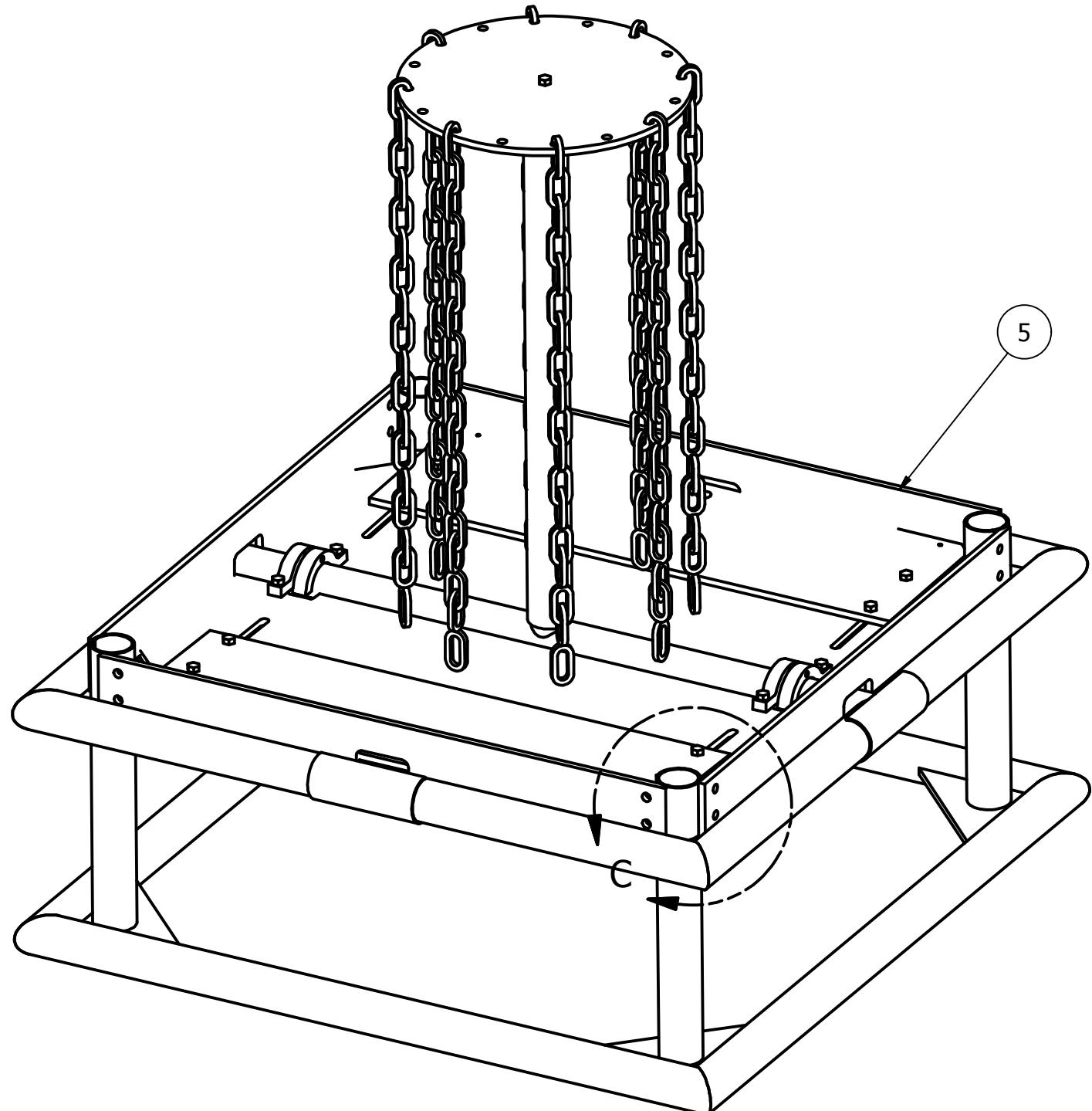
4 3 2 1





Step 4

1. Attach the assemblies from Step 3 to the pyramid top using Items 3, 10 and 12.
2. Apply four, 4" wide strips of reflective material to the pyramid top as shown.



Step 5

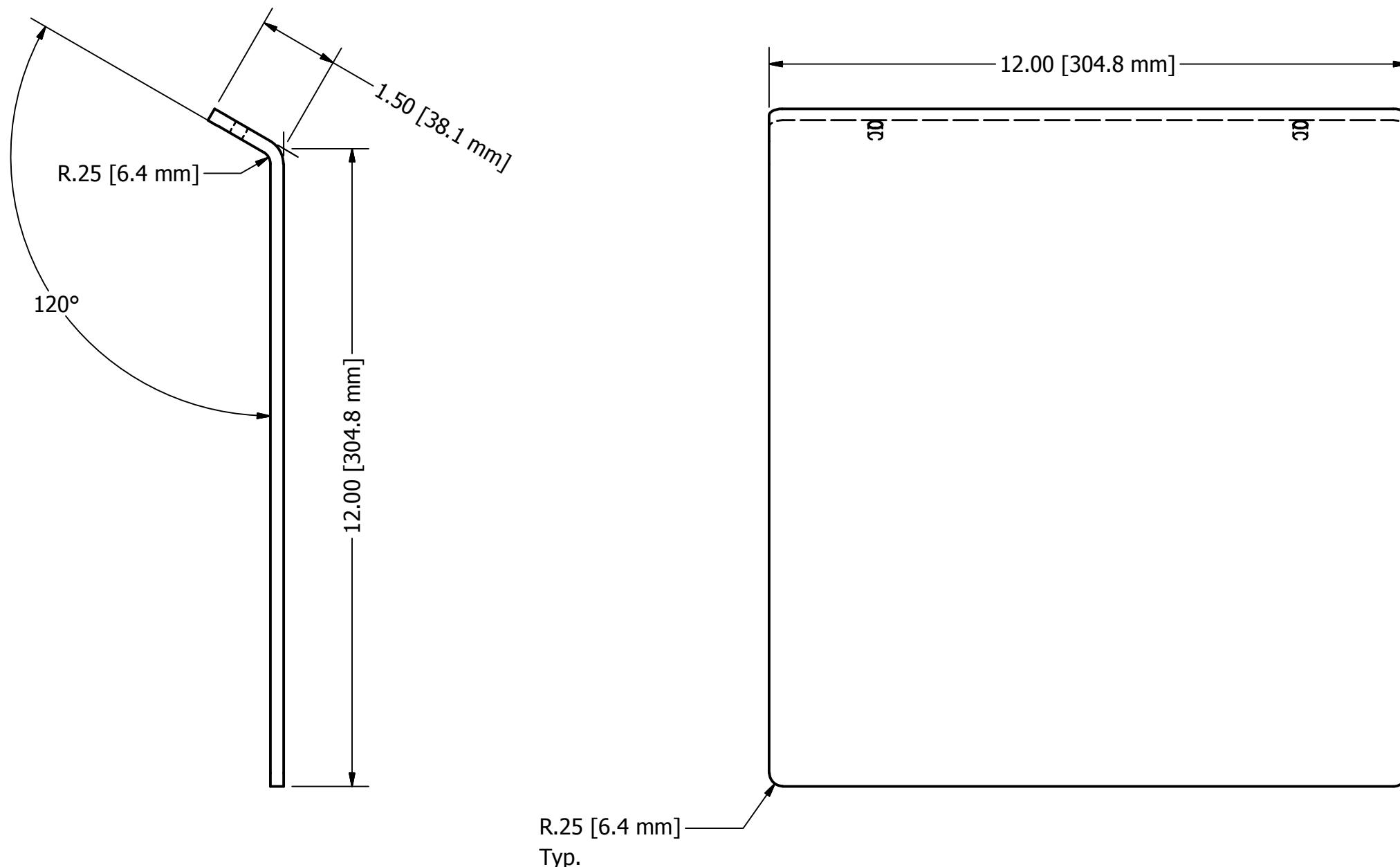
1. Place the assembly from Step 2 on to the center pole of the pyramid top as shown.
2. Attach four of Item 5 to the pyramid top using zip ties at the available locations.

DETAIL C
SCALE 1 / 2

DRAWN dfoster	11/11/2012	FIRST		
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
UNLESS OTHERWISE SPECIFIED				
TOLERANCES: (INCHES)		TITLE		
FRAC.	+/- 1/32	Pyramid Assembly		
.00	+/- .01	SIZE		
.000	+/- .005	DWG NO		
ANGULAR	+/- .25 Deg.	SCALE	REV	
			GE-13043	
			SHEET 3 OF 3	

4		3		2		1
		↓				

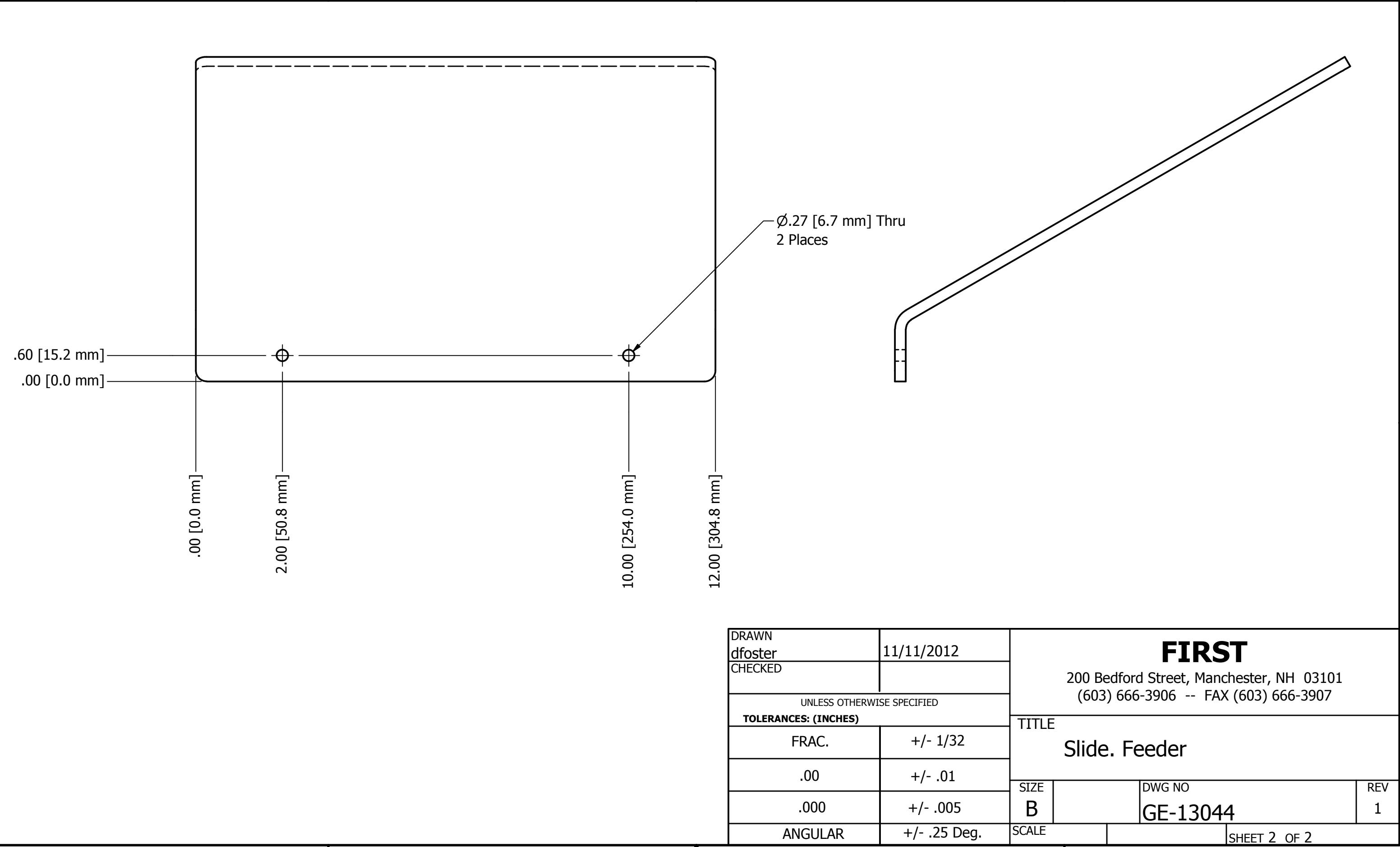
REVISION HISTORY		DESCRIPTION	DATE	APPROVED
ZONE	REV			
ALL	1	Added Sheet 2 with hole dimensions	11/26/2012	MLC

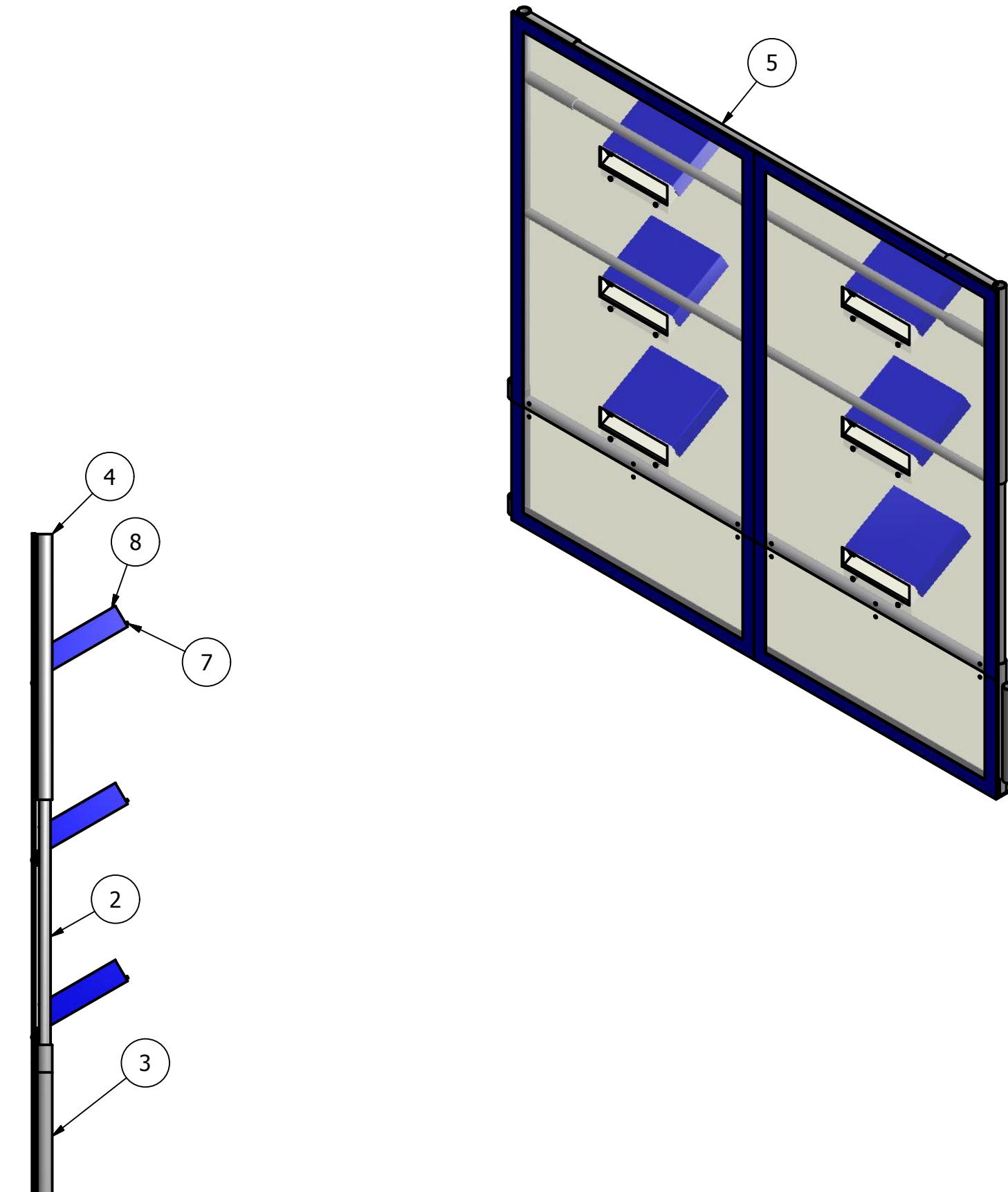
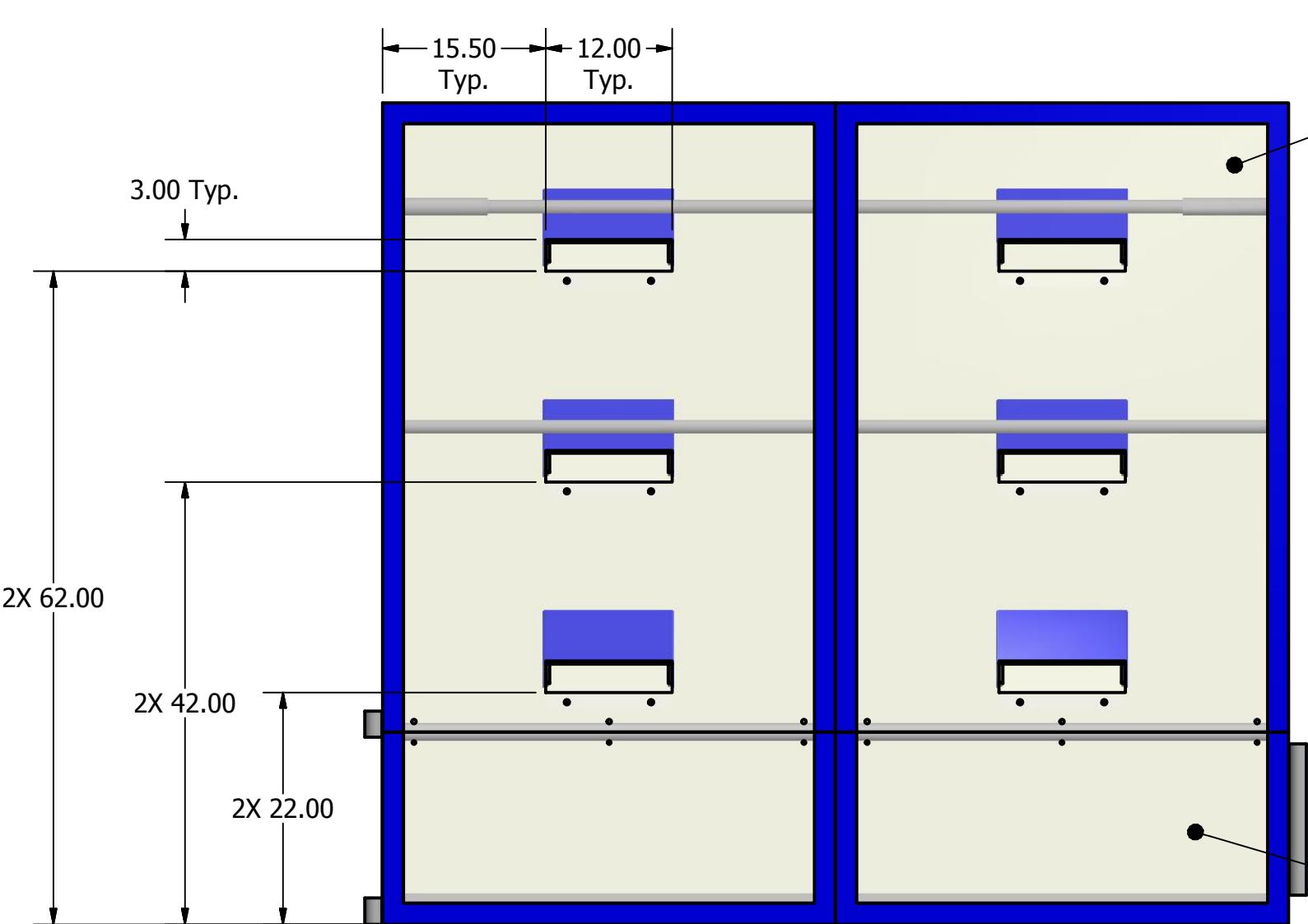


Notes:

1. Material: 1/4" thick, Clear Polycarbonate
2. Remove all burrs and sharp edges

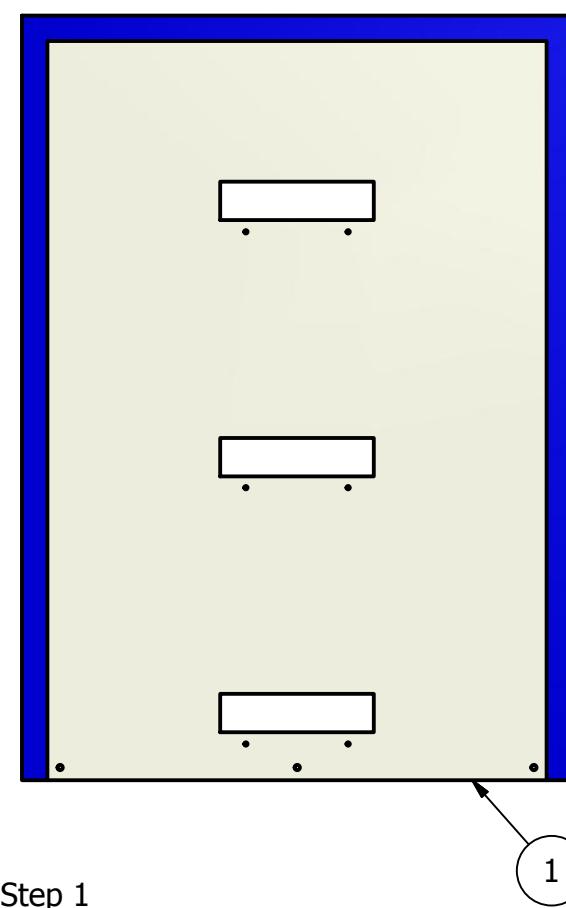
DRAWN dfoster	11/11/2012	FIRST					
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907					
UNLESS OTHERWISE SPECIFIED							
TOLERANCES: (INCHES)							
FRAC.	+/- 1/32	TITLE					
.00	+/- .01	Slide. Feeder					
.000	+/- .005	SIZE	DWG NO	REV			
ANGULAR	+/- .25 Deg.	B	GE-13044	1			
SCALE				SHEET 1 OF 2			





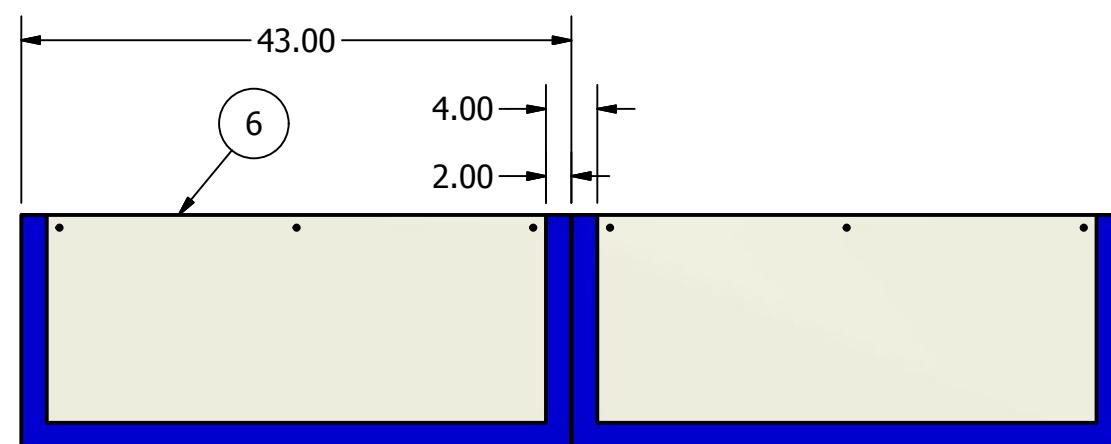
PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	GE-13010	Feeder Plastic
2	1	GE-13014	Corner Goal, Upper Frame
3	1	GE-13015	Corner Goal, Lower Frame Left
4	2	GE-13033	F-Frame
5	2	GE-13034	Cross Bar, Corner Goal
6	1	GE-13035	Lower Plastic, Corner Goal
7	6	GE-13044	Slide, Feeder
8	6	GE-13075	Slide Cover
9	12	HW-00002	Nut, Lock 1/4-20
10	12	HW-00015	1/4-20 x 3/4" Button head screw, zinc plated

DRAWN dfoster	12/29/2012	FIRST 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907	
CHECKED			
UNLESS OTHERWISE SPECIFIED			
TOLERANCES: (INCHES)		SCALE	REV
FRAC.	+/- 1/32		
.00	+/- .01		
.000	+/- .005		
ANGULAR	+/- .25 Deg.		
		SHEET 1 OF 4	



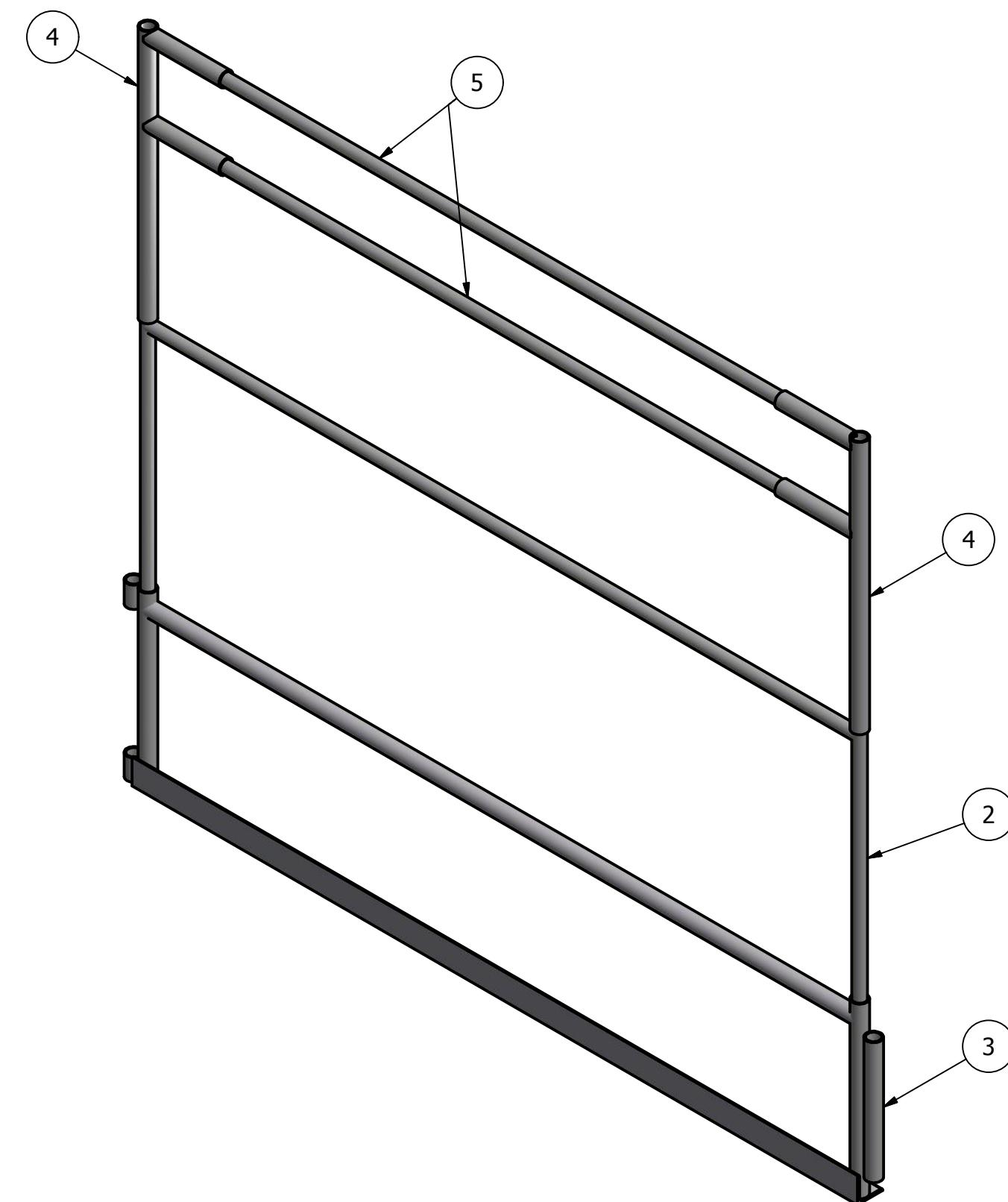
Step 1

1. Apply 2" wide gaffers tape to Item 1 as shown. Tape will be either red or blue depending on corner.



Step 2

1. Apply 2" wide gaffers tape to Item 6 as shown. Tape will be either red or blue depending on corner.



Step 3

1. Insert Item 2 into Item 3 as shown.

2. Take two Item 5's. Insert them into one Item 4 as shown. Take another Item 4 and put it on to the other ends of the Item's 5's. Lower the four assembled pieces on to Item 2.

DRAWN dfoster	12/29/2012	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-13045				
				SHEET 2 OF 4			

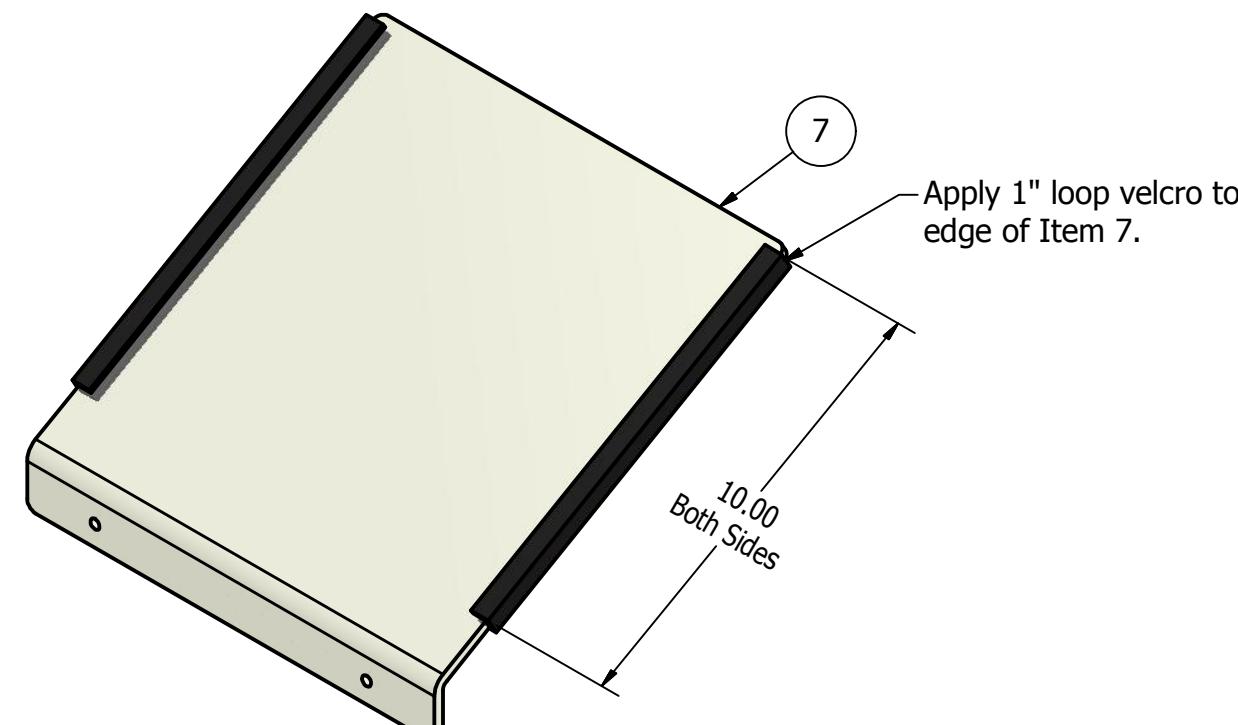
4

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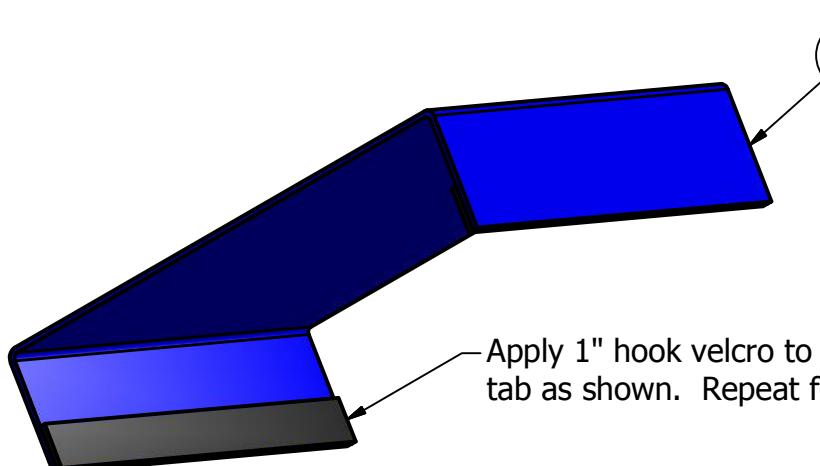
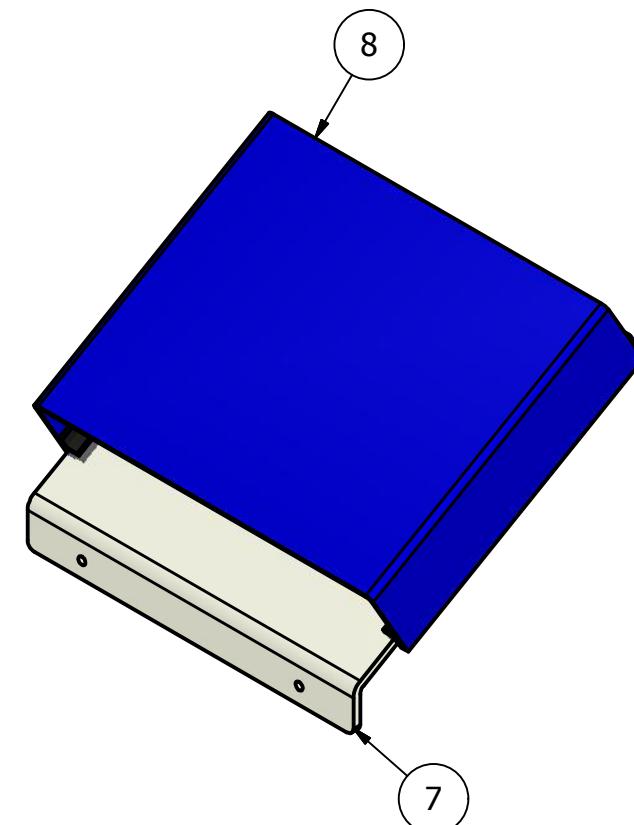
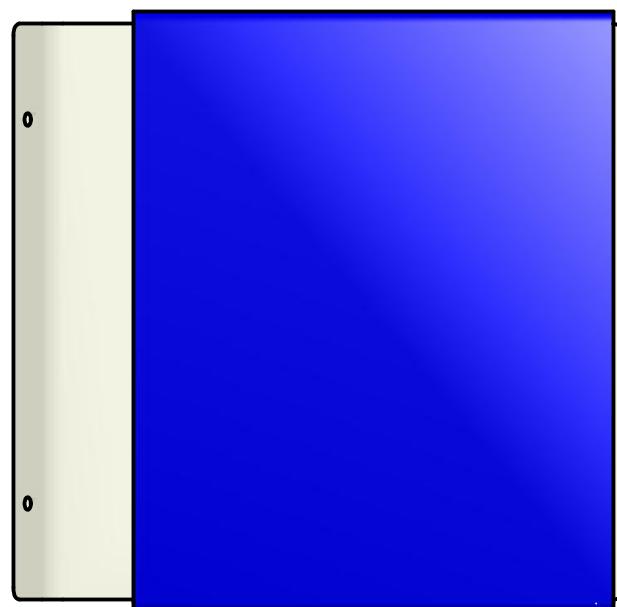
1

D



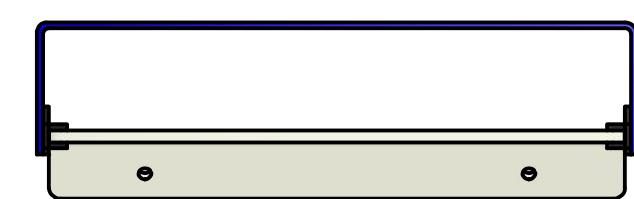
Step 4

1. Apply 1" loop velcro, adhesive backed, to the edges of Item 7 as shown. Repeat for all Item 7's.



Step 5

1. Apply 1" hook velcro, adhesive backed, to the inside of the tabs of Item 8 as shown. Repeat for all Item 8's.



Step 6

1. Attach Item 8 to Item 7 with the velcro applied in Step 3 and 4. Repeat for all similar items.

DRAWN dfoster	12/29/2012	FIRST		
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
UNLESS OTHERWISE SPECIFIED				
TOLERANCES: (INCHES)		TITLE		
FRAC.	+/- 1/32	Feeder Station Assembly		
.00	+/- .01	SIZE		
.000	+/- .005	DWG NO		
ANGULAR	+/- .25 Deg.	SCALE		REV
			GE-13045	
			SHEET 3 OF 4	

4

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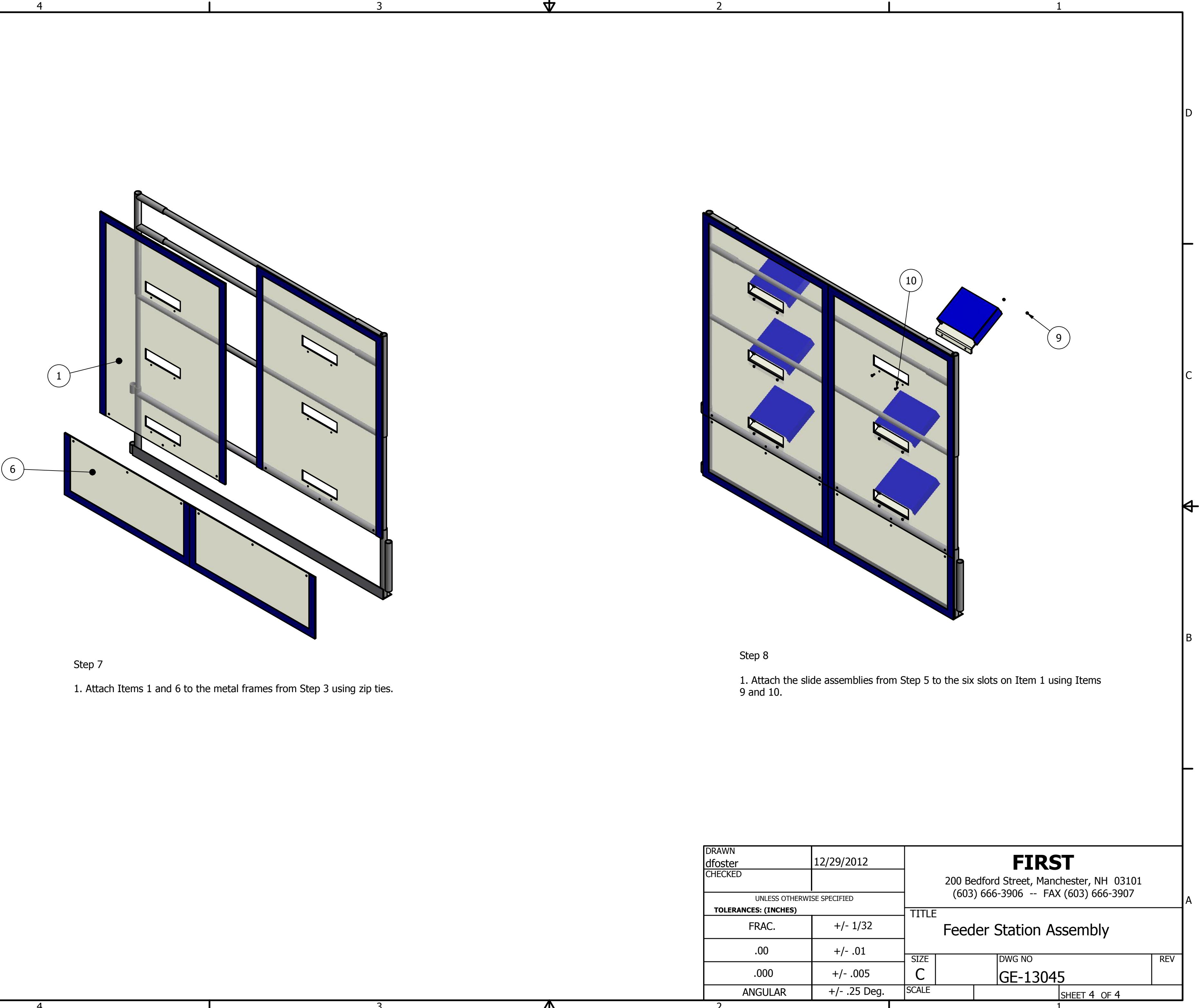
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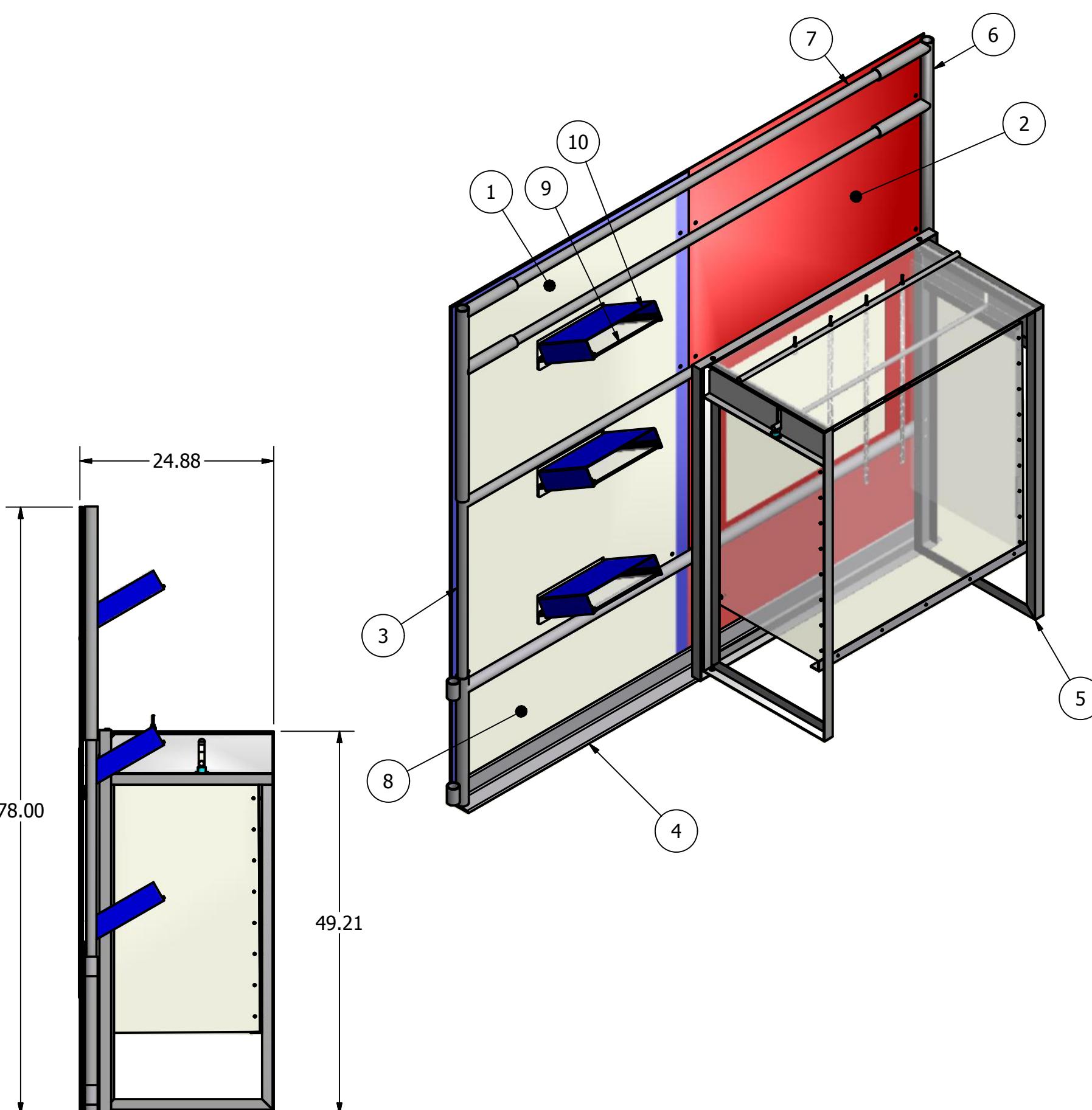
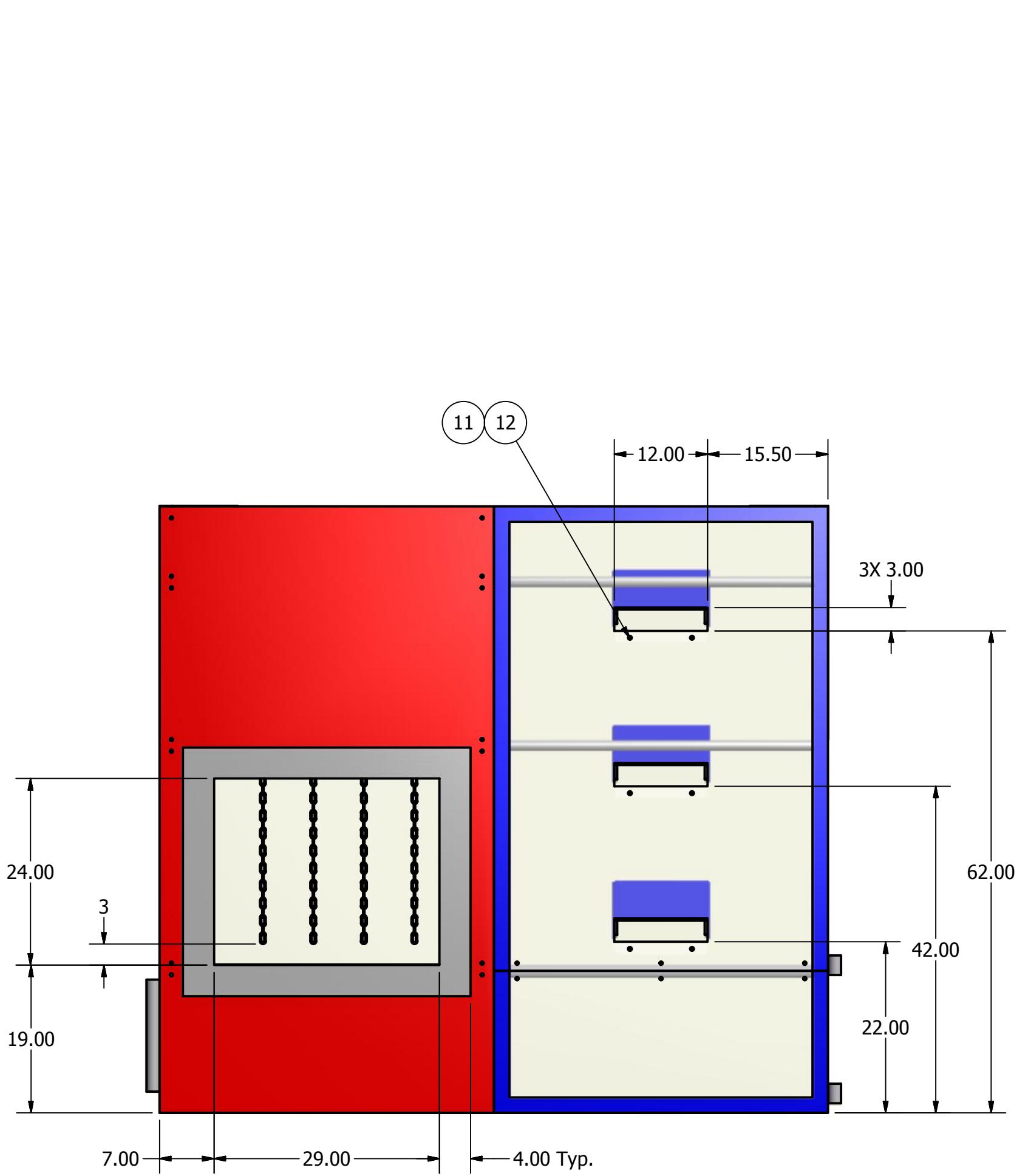
C

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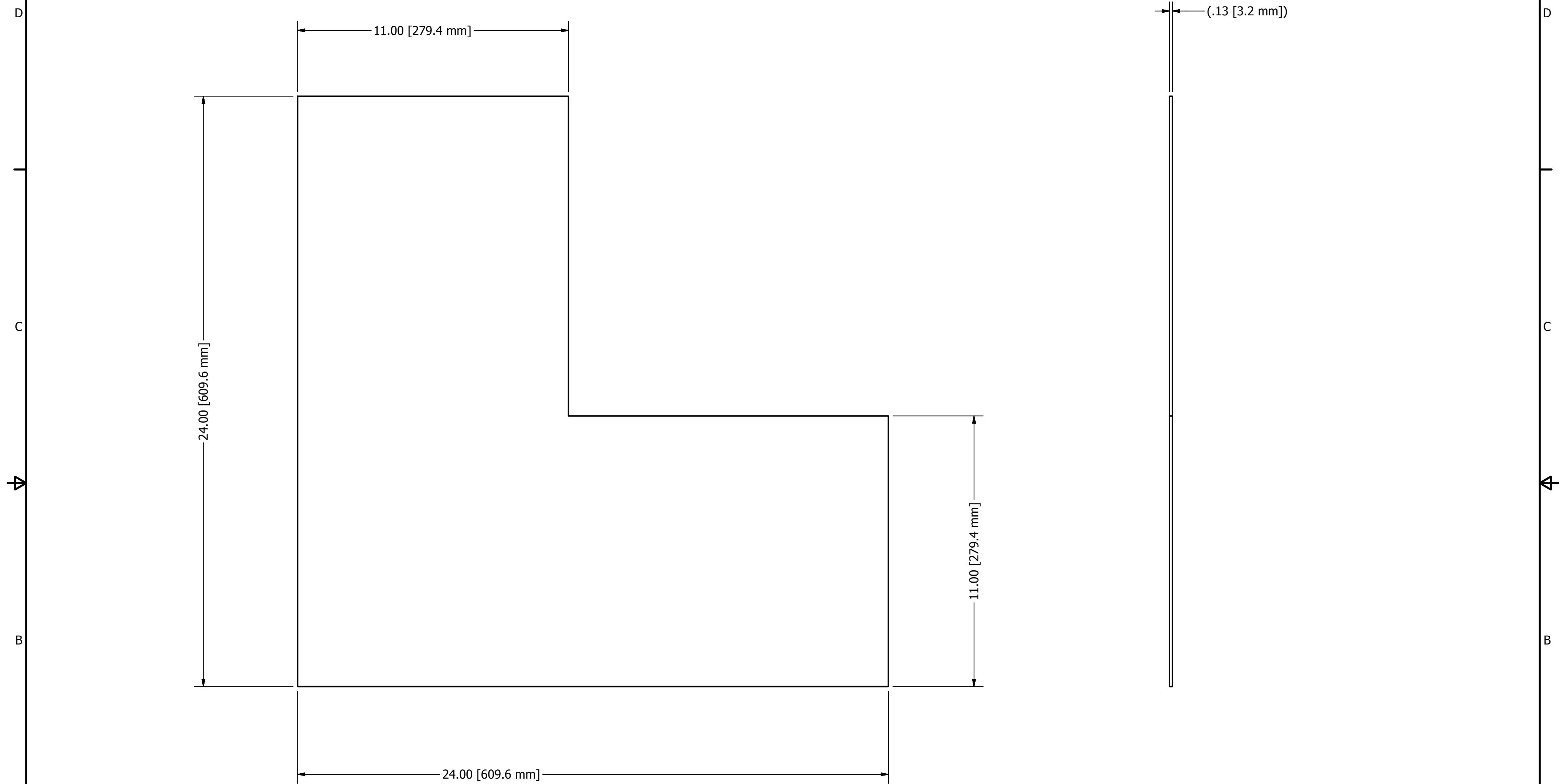




PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	GE-13010	Feeder Plastic
2	1	GE-13012	Corner Goal Plastic
3	1	GE-13014	Corner Goal, Upper Frame
4	1	GE-13016	Corner Goal. Lower Frame Right
5	1	GE-13032	Low Goal Assembly
6	2	GE-13033	F-Frame
7	2	GE-13034	Cross Bar, Corner Goal
8	1	GE-13035	Lower Plastic, Corner Goal
9	3	GE-13044	Slide. Feeder
10	3	GE-13075	Cover, Slide
11	6	HW-00002	Nut, Lock 1/4-20
12	6	HW-00015	1/4-20 x 3/4" Button head screw. zinc plated

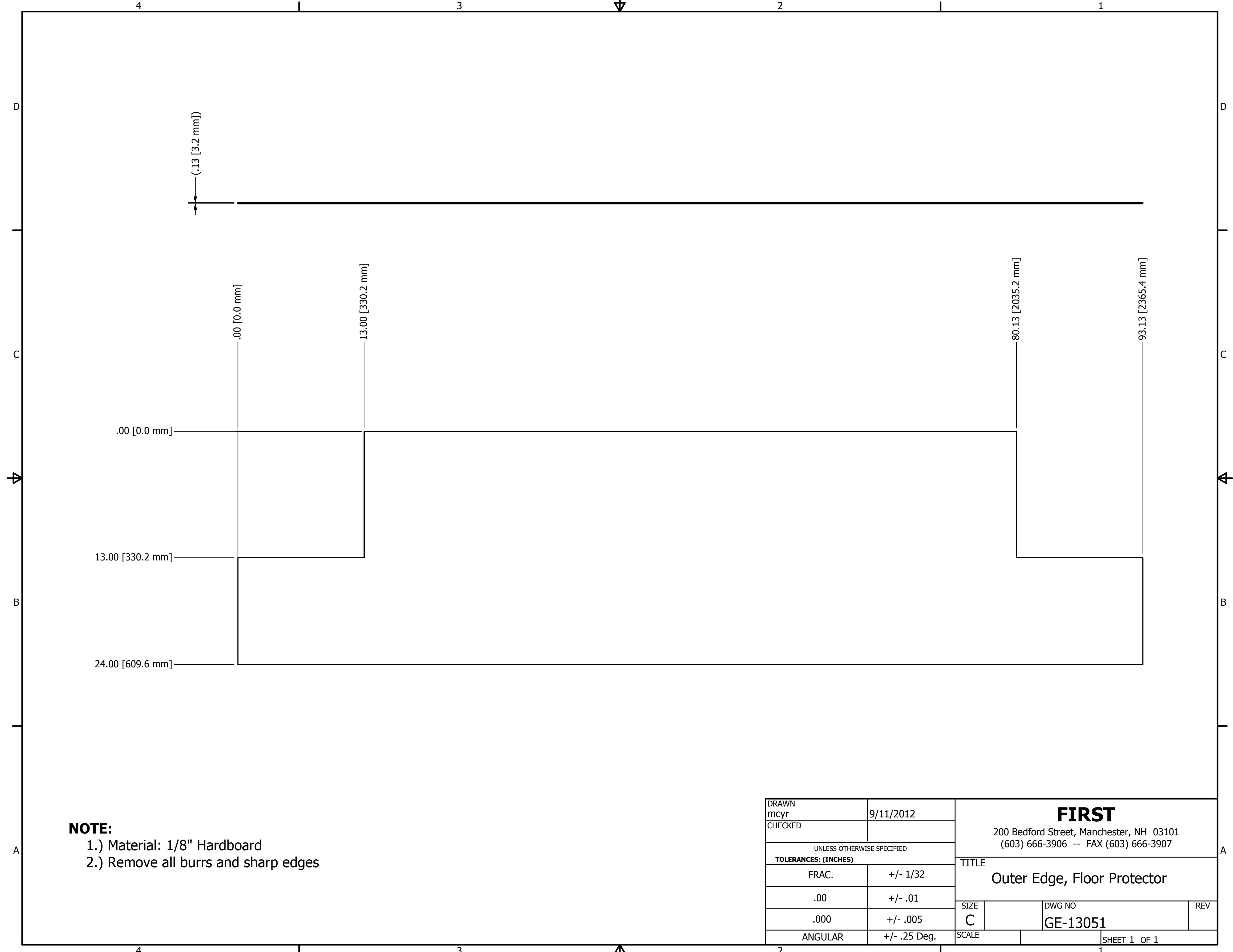
12	6	HW-00015	1/4-20 x 3/4 Button head screw, zinc plated	
DRAWN dfoster	11/17/2012	FIRST 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
CHECKED				
UNLESS OTHERWISE SPECIFIED				
TOLERANCES: (INCHES)		TITLE		
FRAC.	+/- 1/32	Feeder/Low Goal Station		
.00	+/- .01	SIZE	DWG NO	REV
.000	+/- .005			
ANGULAR	+/- .25 Deg.	SCALE		SHEET 1 OF 4

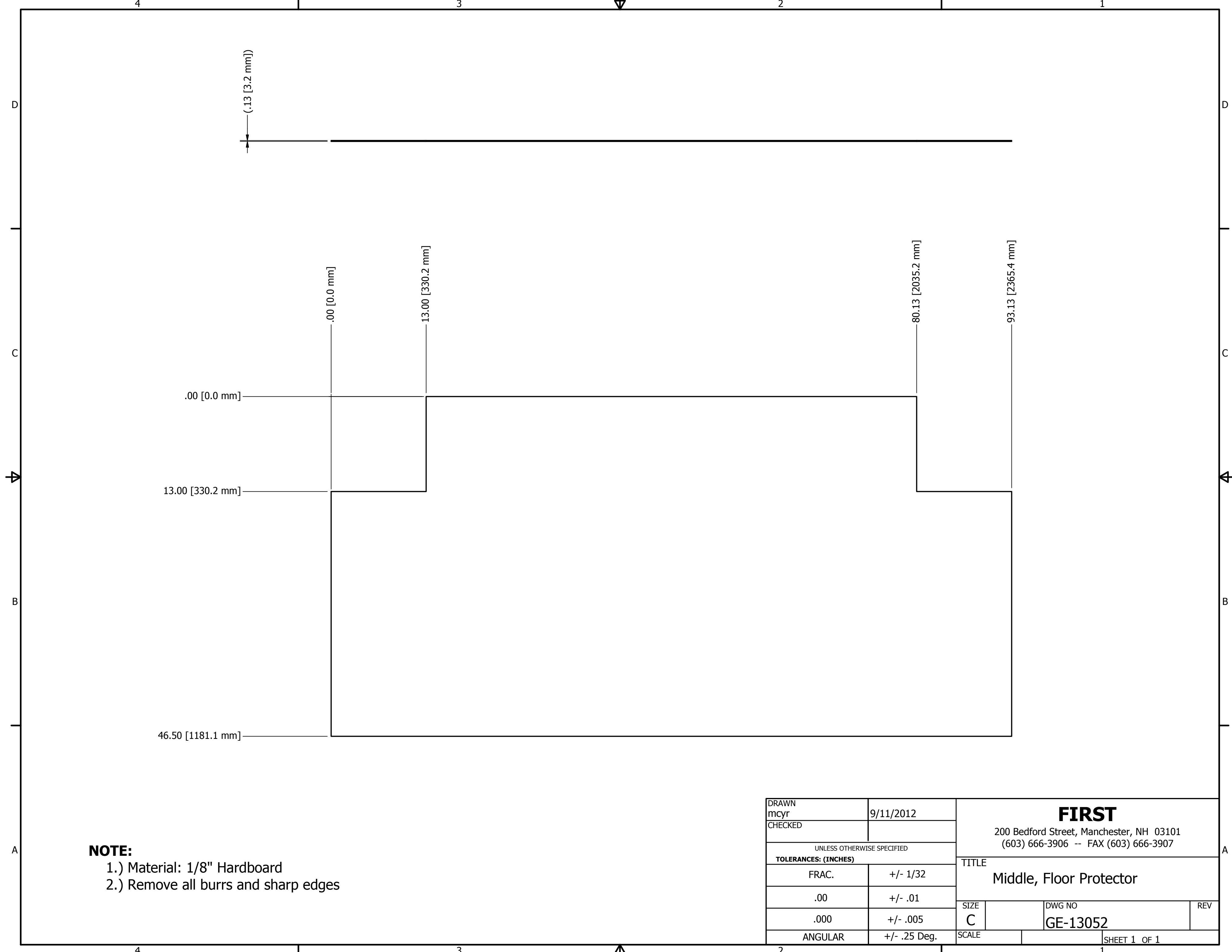
4 | 3 | 2 | 1

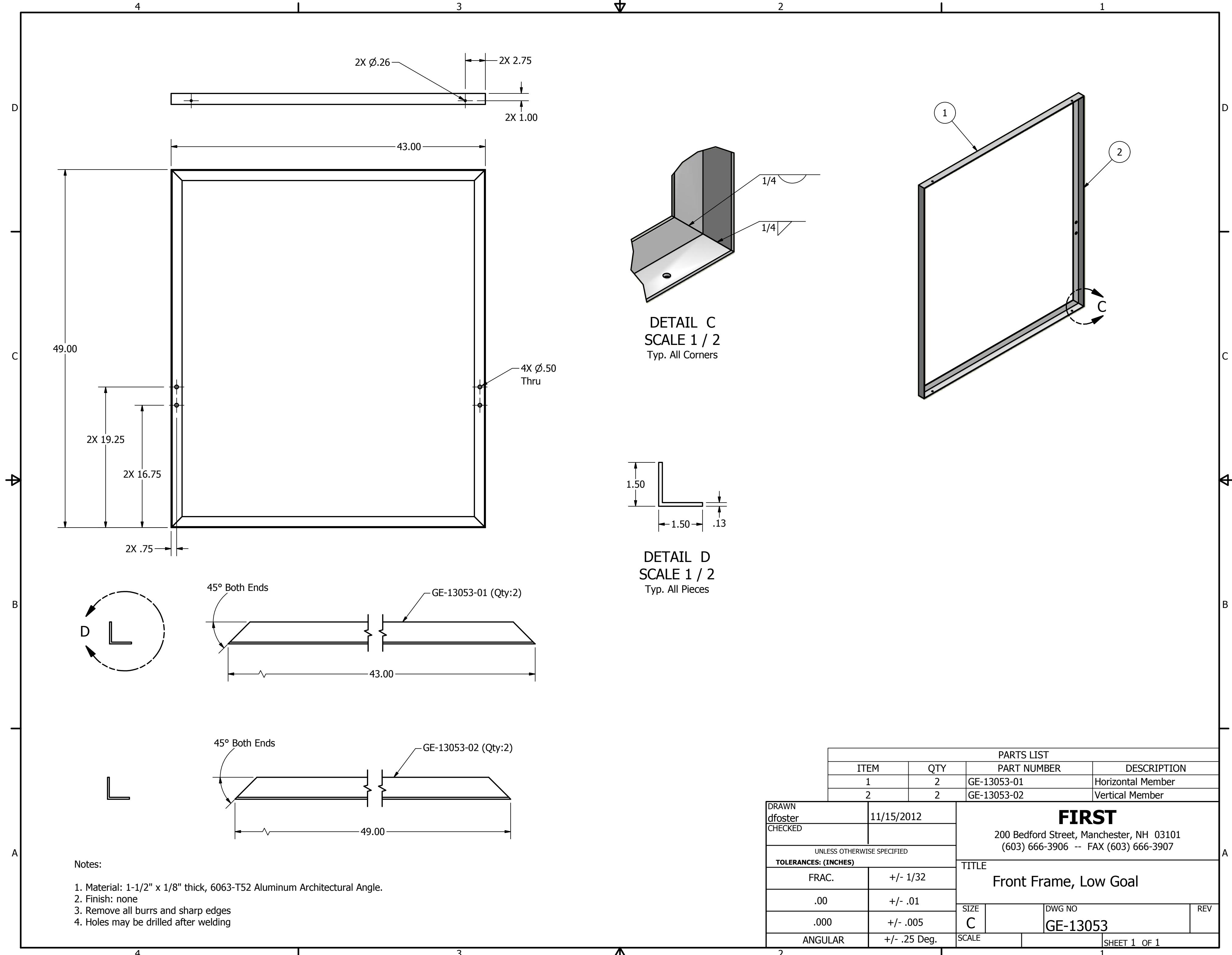


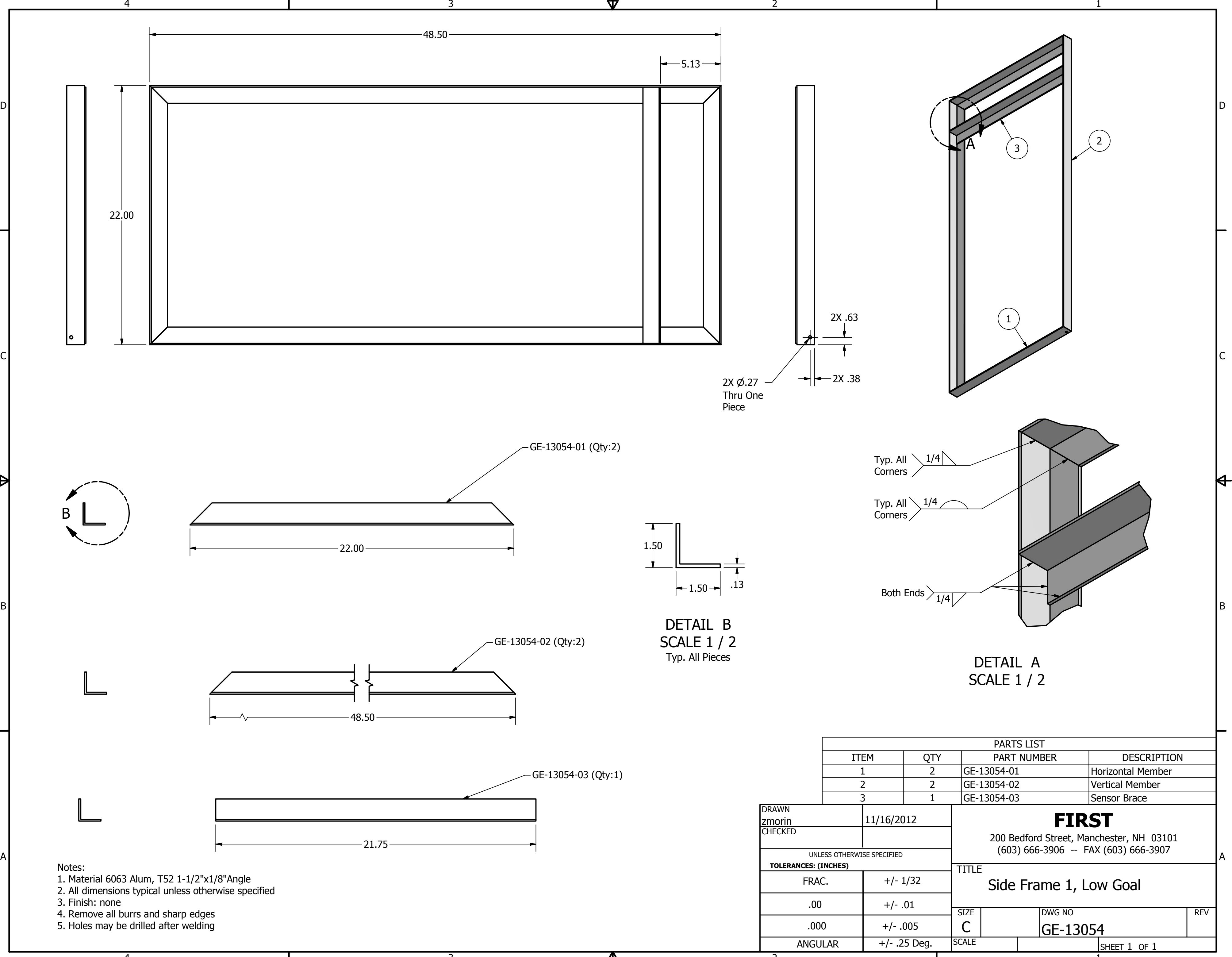
NOTE:
1.) Material: 1/8" Hardboard
2.) Remove all burrs and sharp edges

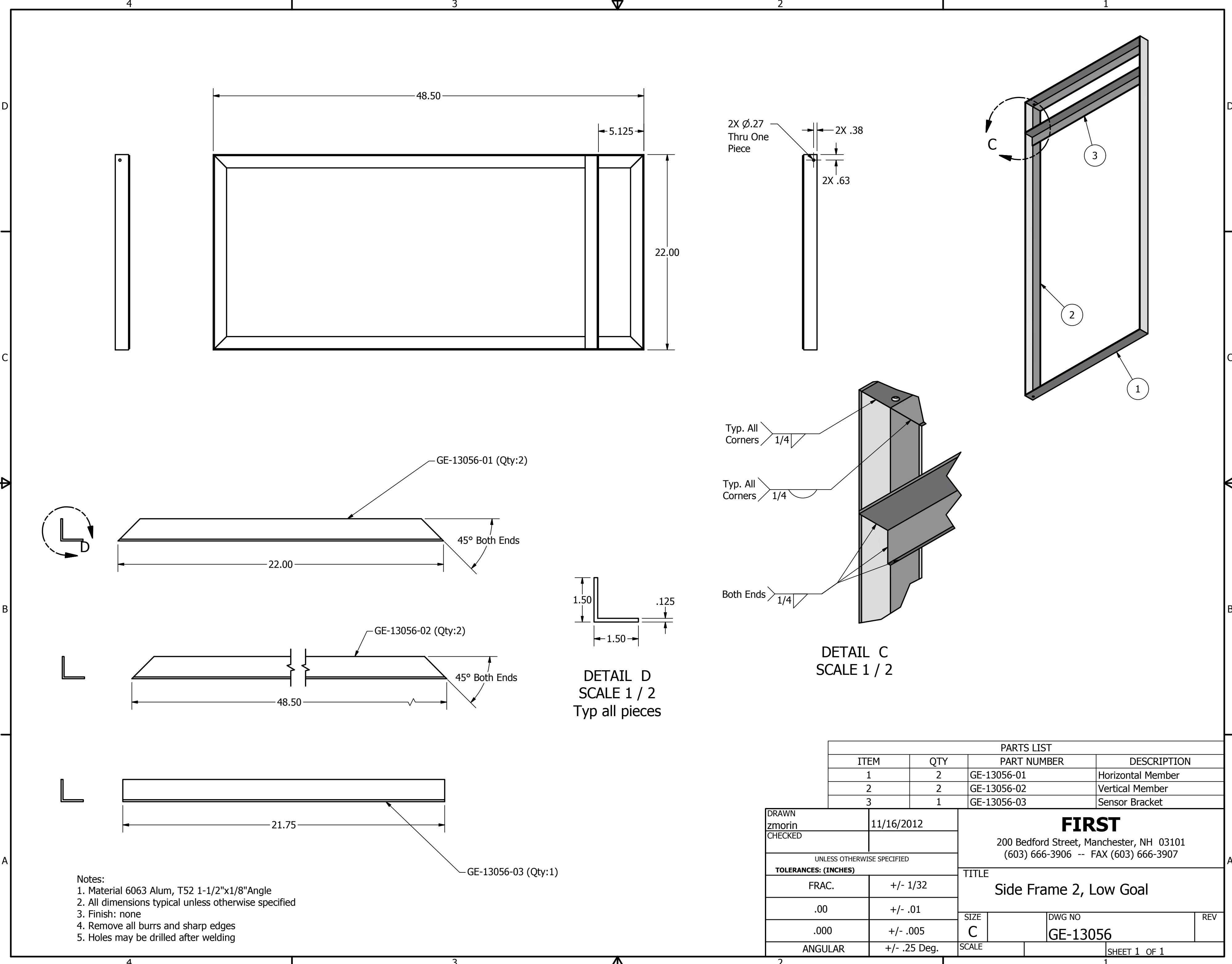
DRAWN mcyr	9/11/2012	FIRST 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
CHECKED				
UNLESS OTHERWISE SPECIFIED TOLERANCES: (INCHES)				
FRAC.	+/- 1/32			
.00	+/- .01			
.000	+/- .005			
ANGULAR	+/- .25 Deg.	SCALE	DWG NO	REV
			GE-13050	
				SHEET 1 OF 1

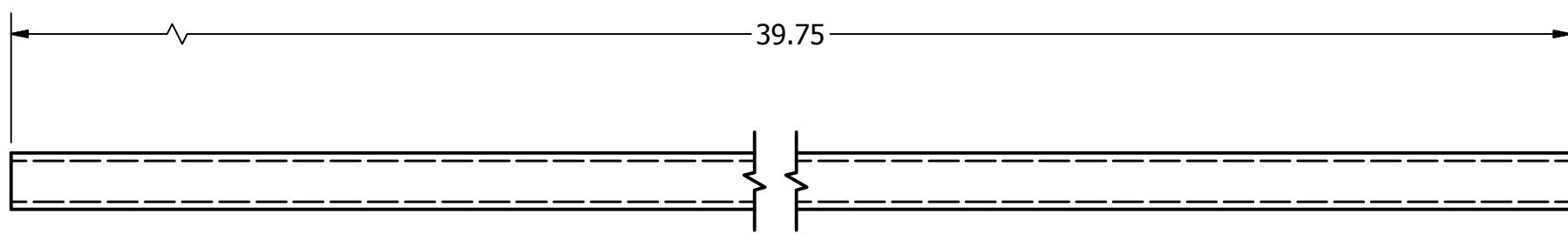












Notes:

1. Material: 3/4" Galvanized Steel EMT
2. Remove burrs and sharp edges

DRAWN dfoster	11/15/2012	FIRST		
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
UNLESS OTHERWISE SPECIFIED				
TOLERANCES: (INCHES)		TITLE		
FRAC.	+/- 1/32	Basket Pole, Low Goal		
.00	+/- .01	SIZE		
.000	+/- .005	B	DWG NO	
ANGULAR	+/- .25 Deg.	GE-13057		REV
		SCALE		SHEET 1 OF 1

4

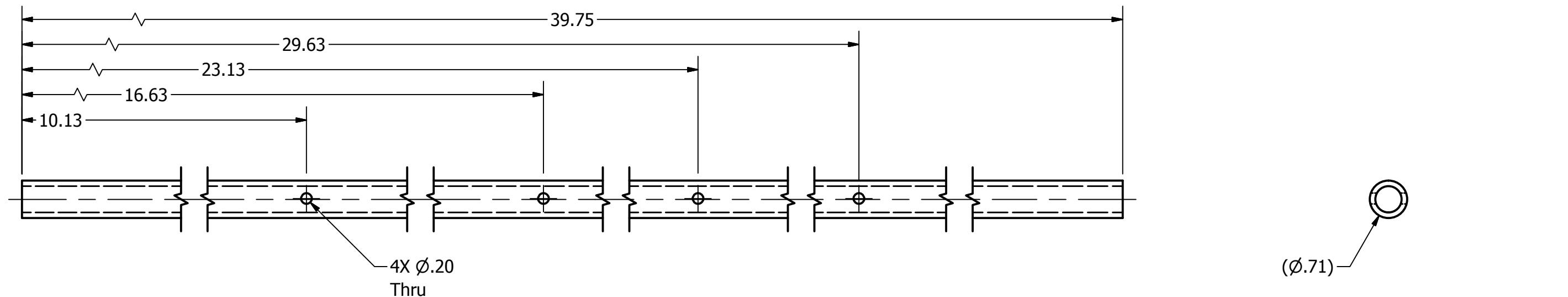
3

2

1

REVISION HISTORY

ZONE	REV	DESCRIPTION	DATE	APPROVED
A-3	1	Corrected Material Note	12/4/2012	DAF



Notes:

1. Material: 1/2" Galvanized Steel EMT
2. Remove burrs and sharp edges



DRAWN dfoster	11/15/2012
CHECKED	

UNLESS OTHERWISE SPECIFIED

TOLERANCES: (INCHES)		SIZE B	DWG NO GE-13058	REV 1
FRAC.	+/- 1/32			
.00	+/- .01			
.000	+/- .005			
ANGULAR	+/- .25 Deg.	SCALE		SHEET 1 OF 1

FIRST200 Bedford Street, Manchester, NH 03101
(603) 666-3906 -- FAX (603) 666-3907TITLE
Chain Pole, Low Goal

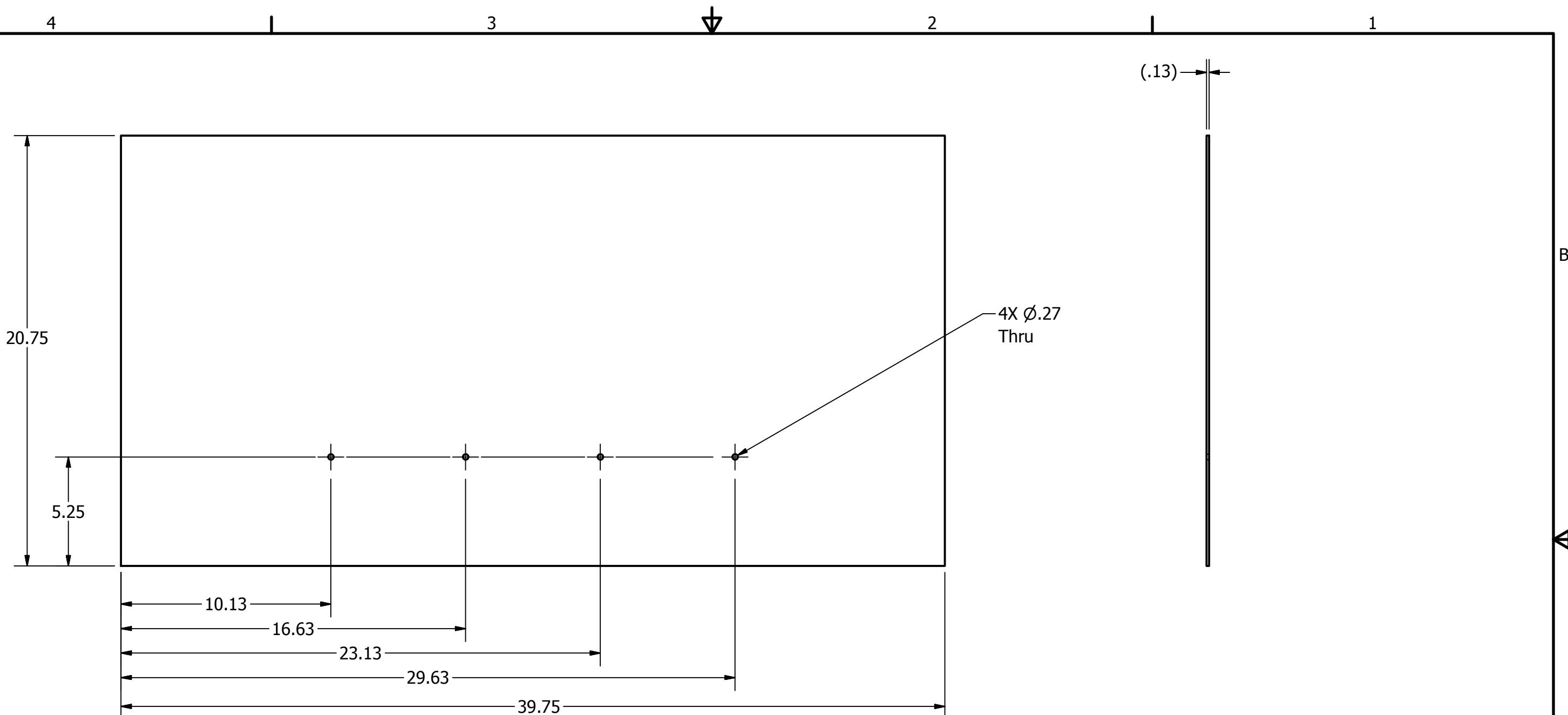
4

3

4

2

1

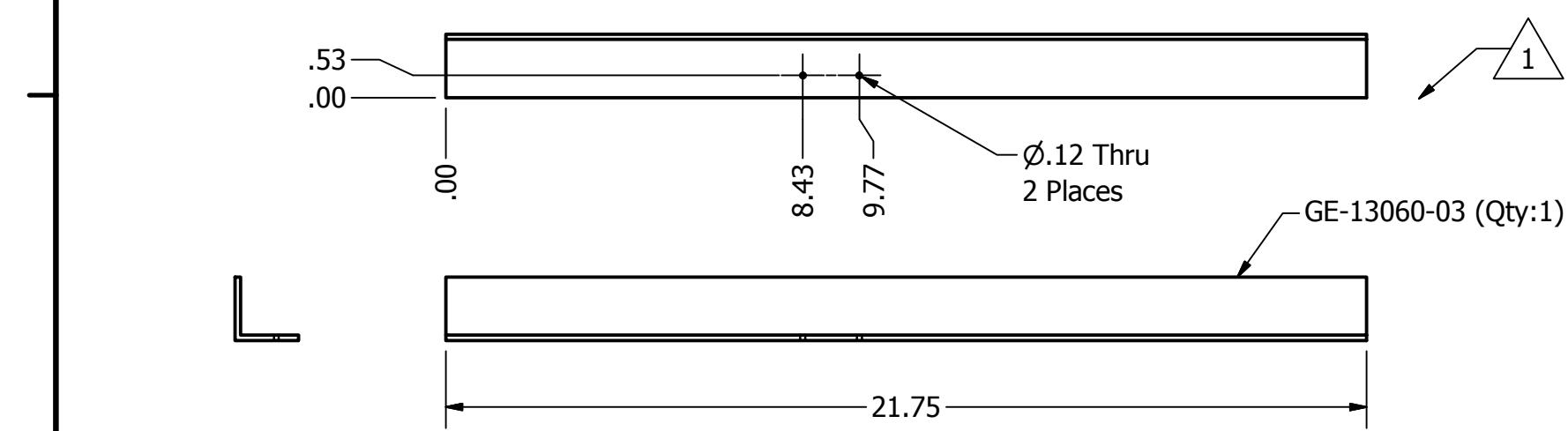
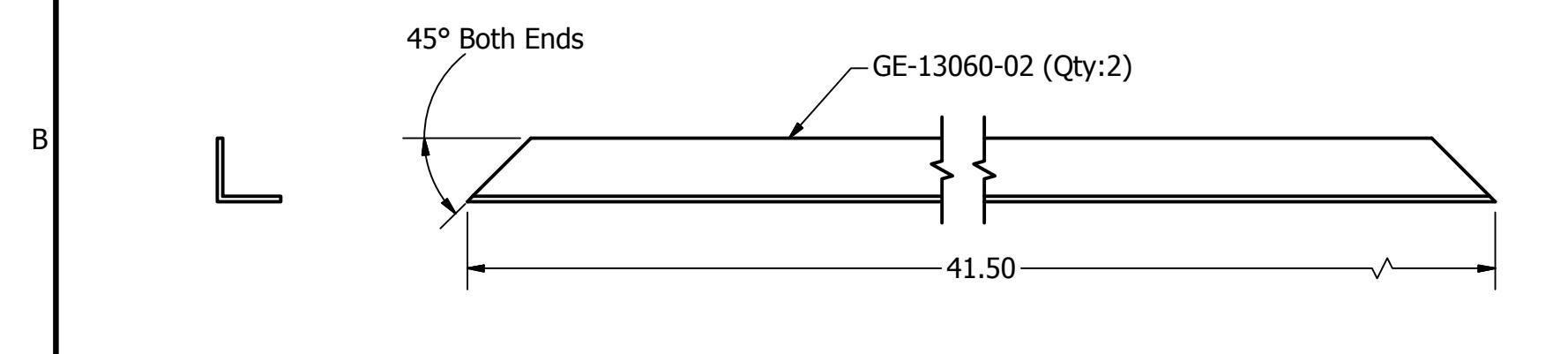
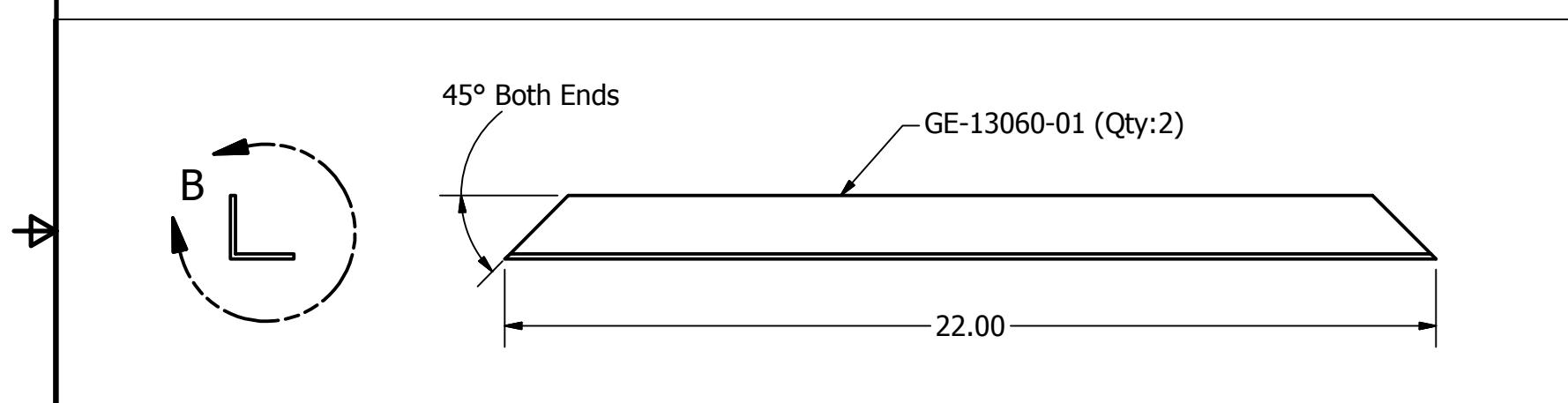
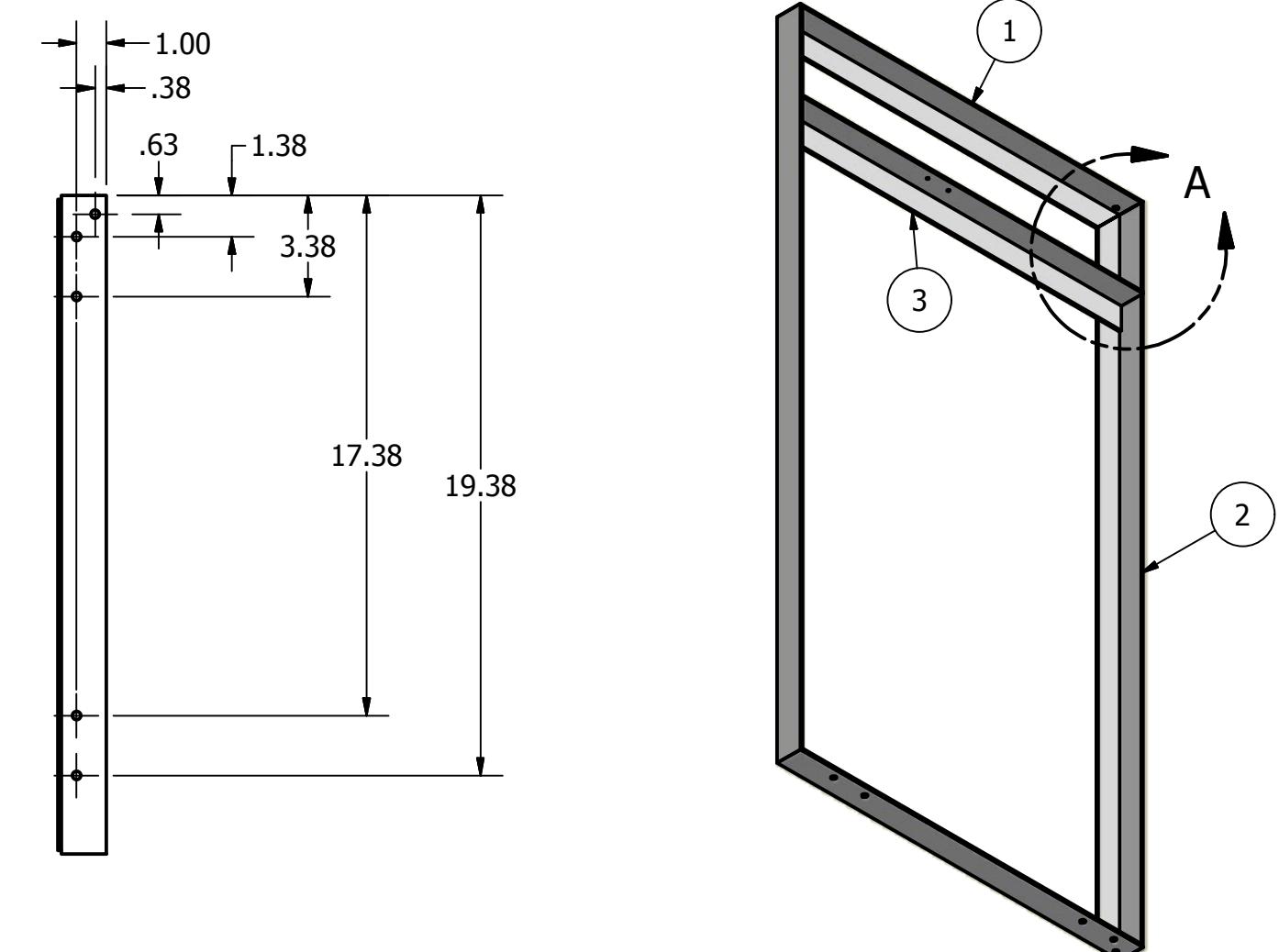
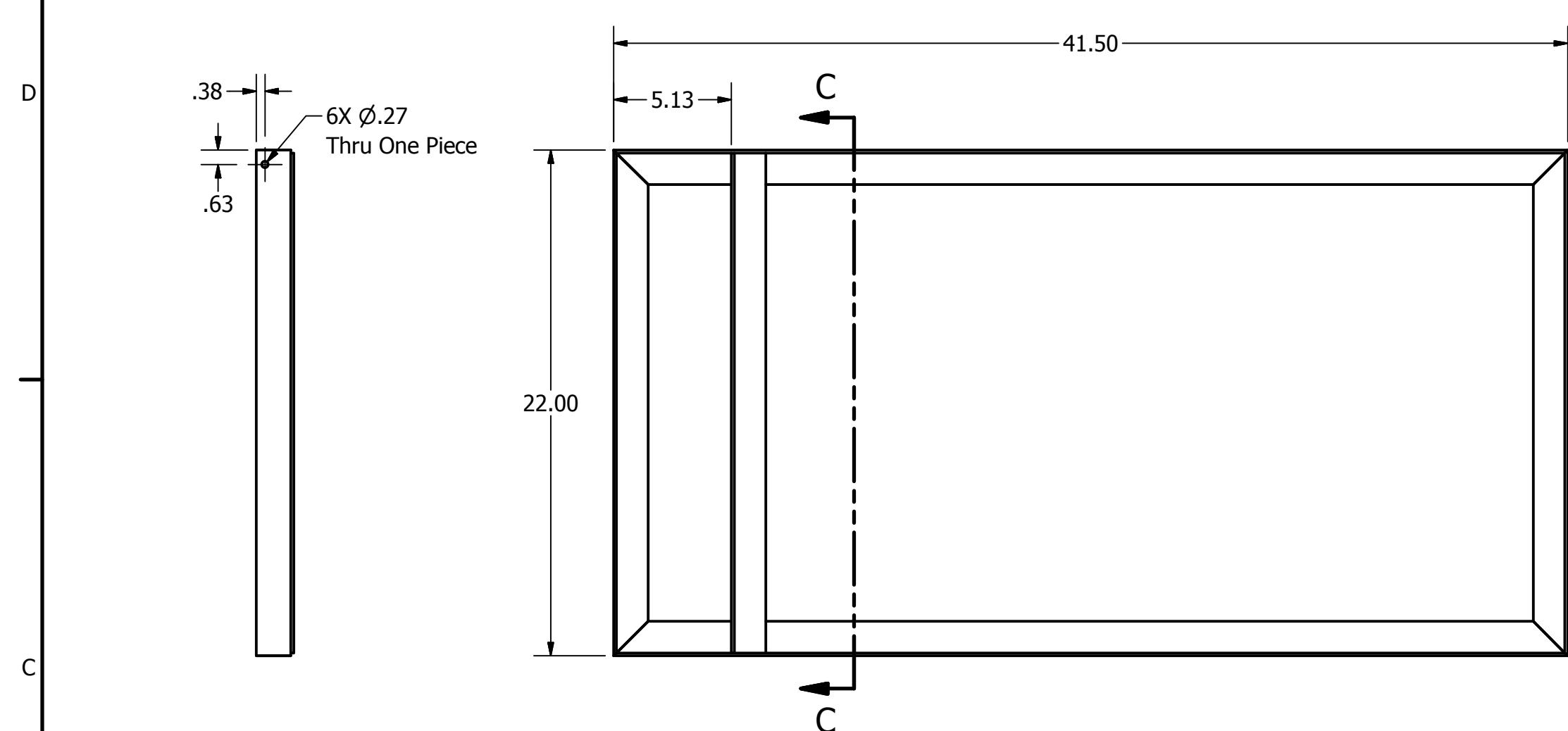


Notes:

1. Material: 1/8" Clear Polycarbonate
2. Remove all burrs and sharp edges

DRAWN dfoster	11/15/2012	FIRST			
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907			
UNLESS OTHERWISE SPECIFIED					
TOLERANCES: (INCHES)		TITLE			
FRAC.	+/- 1/32	Roof, Low Goal			
.00	+/- .01				
.000	+/- .005	SIZE	DWG NO	REV	
ANGULAR	+/- .25 Deg.	B	GE-13059		
SCALE					SHEET 1 OF 1

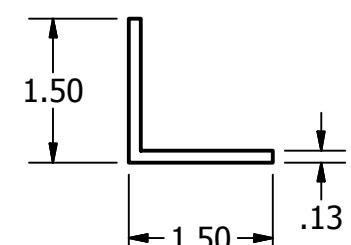
REVISION HISTORY				
ZONE	REV	DESCRIPTION	DATE	APPROVED
A-4	1	Added thru holes, added another view and added a cross section view	12/7/2012	MLC



Notes:

1. Material: 1-1/2" x 1/8" thick, 6063-T52 Aluminum Architectural Angle
 2. Finish: none
 3. Remove all burrs and sharp edges
 4. Holes may be drilled prior to welding

SECTION C-C



DETAIL B
SCALE 1 / 2
Typical All Pieces

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	GE-13060-01	Horizontal Member
2	2	GE-13060-02	Vertical Member
3	1	GE-13060-03	Sensor Brace

FIRST

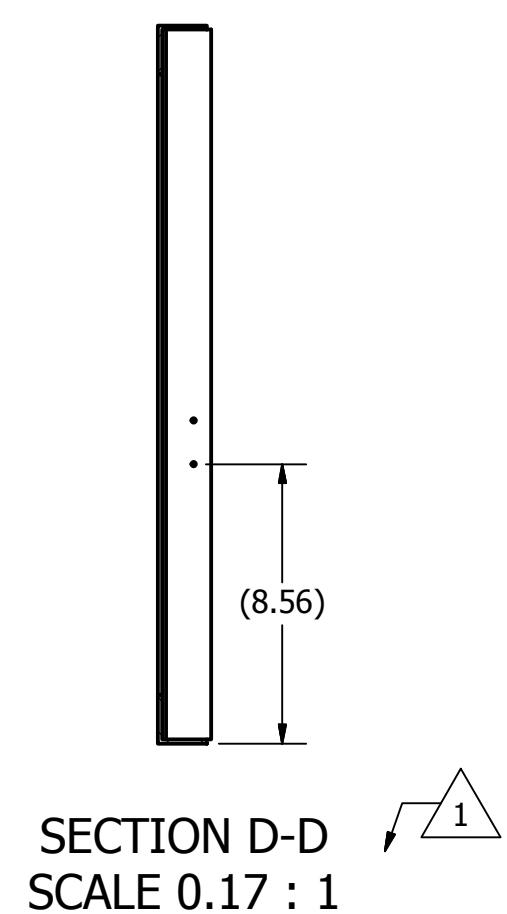
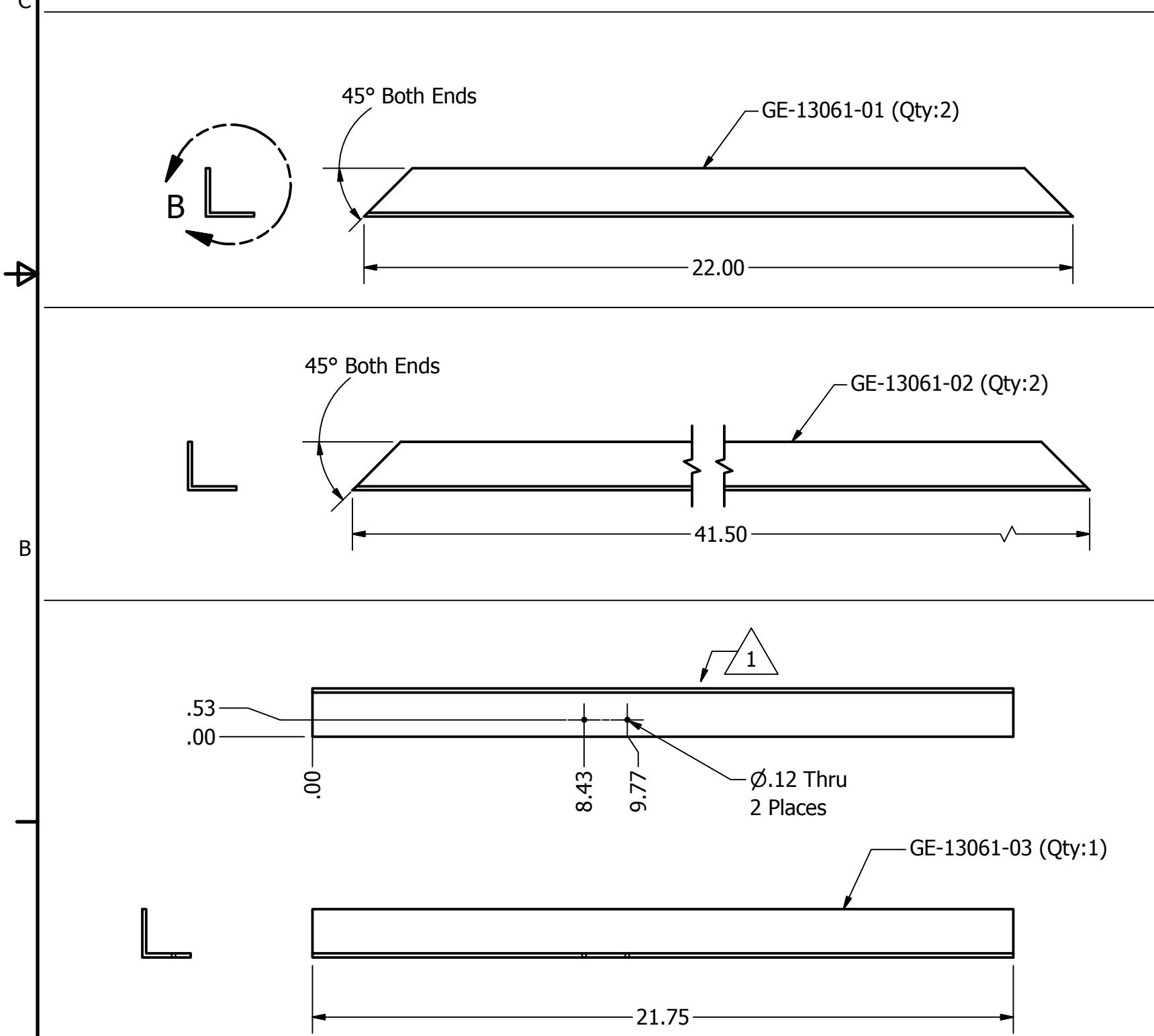
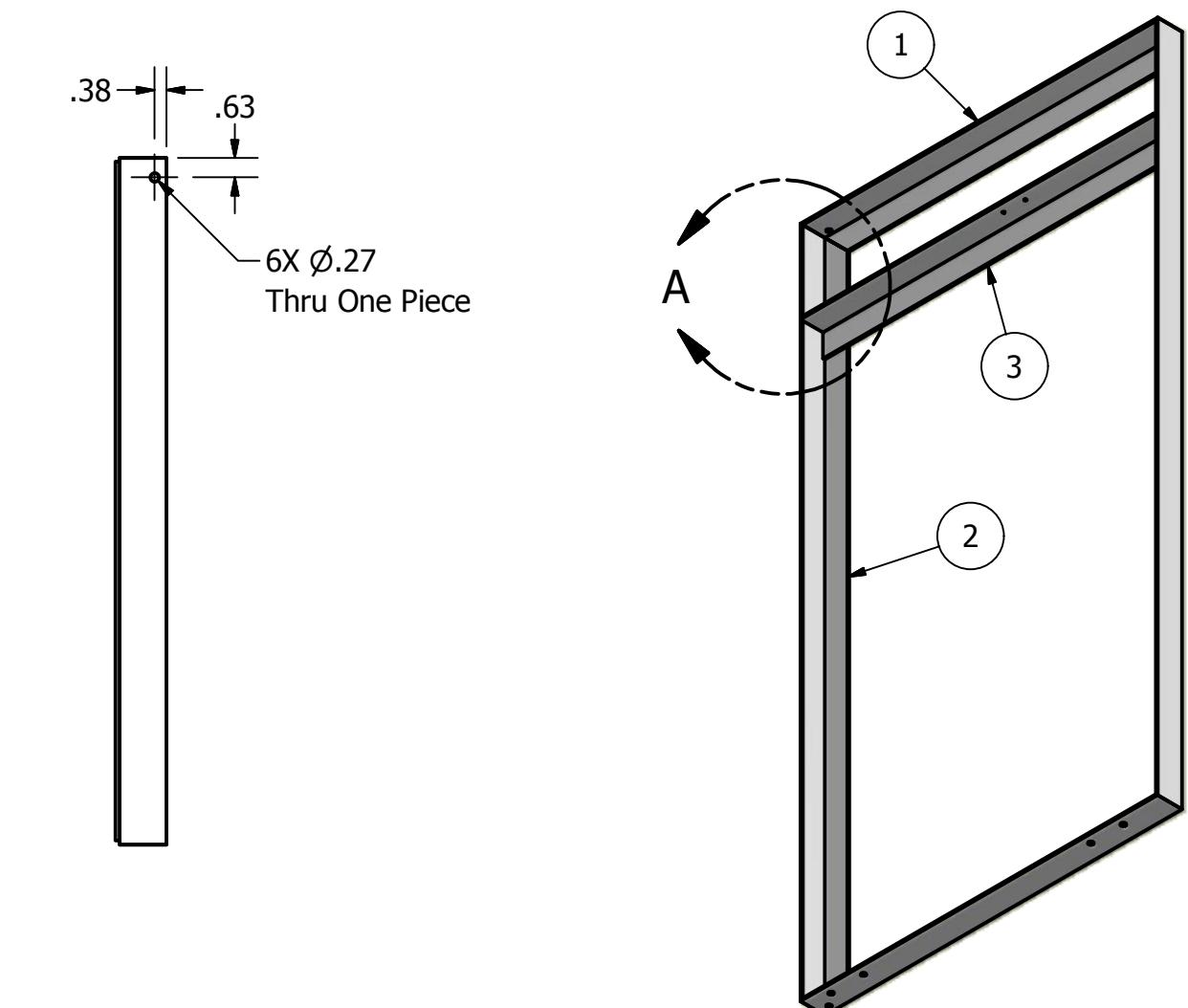
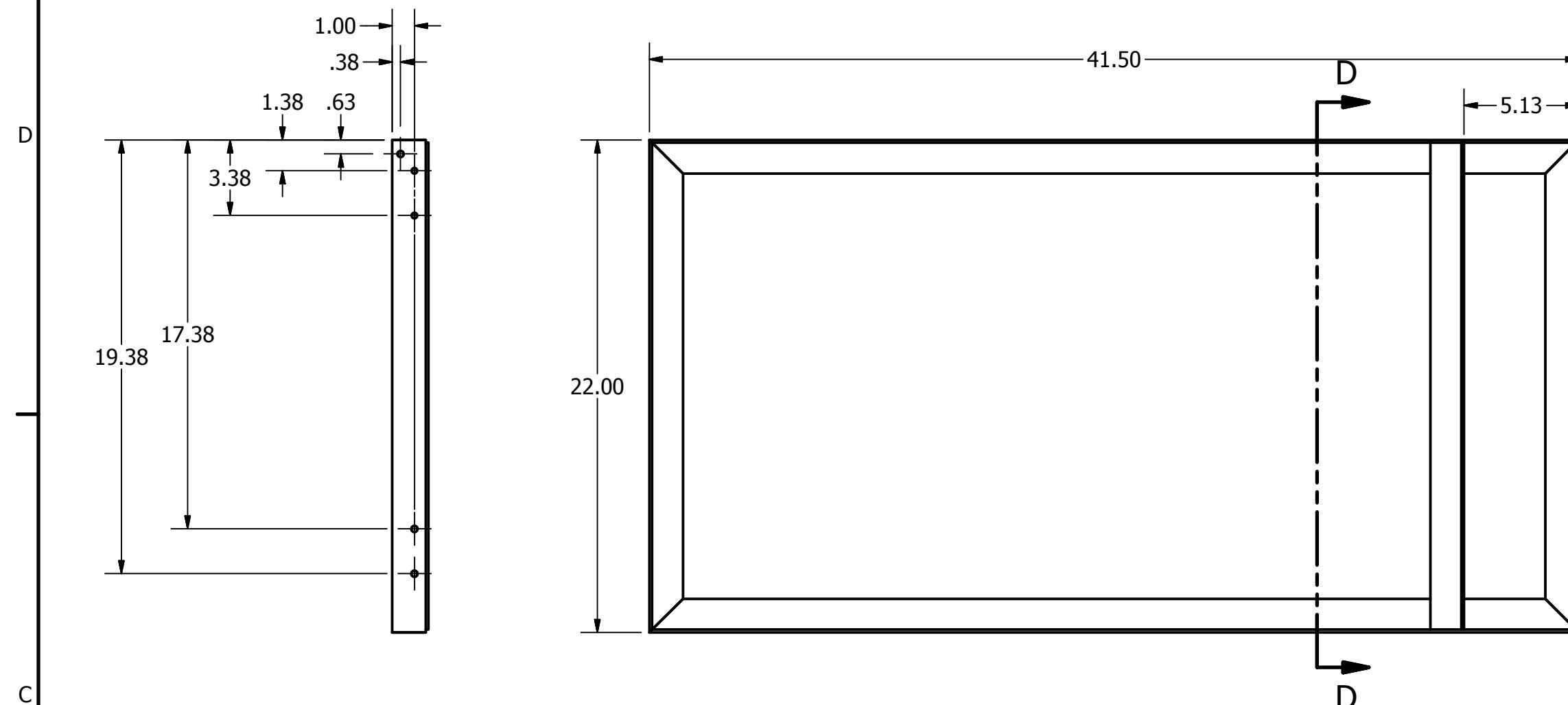
200 Bedford Street, Manchester, NH 03101
(603) 666-3906 -- FAX (603) 666-3907

1

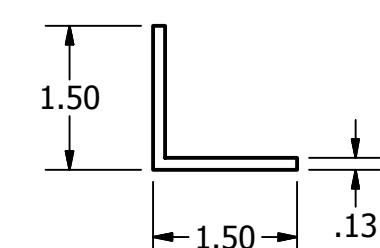
Side Frame 1, Middle Goal

	3	1	GE-13060-03	Sensor Brace	
DRAWN dfoster	11/27/2012		FIRST 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
CHECKED					
UNLESS OTHERWISE SPECIFIED				TITLE Side Frame 1, Middle Goal	
TOLERANCES: (INCHES)					
FRAC.	+/- 1/32				
.00	+/- .01				
.000	+/- .005		SIZE C	DWG NO GE-13060	REV 1
ANGULAR	+/- .25 Deg.		SCALE		SHEET 1 OF 1

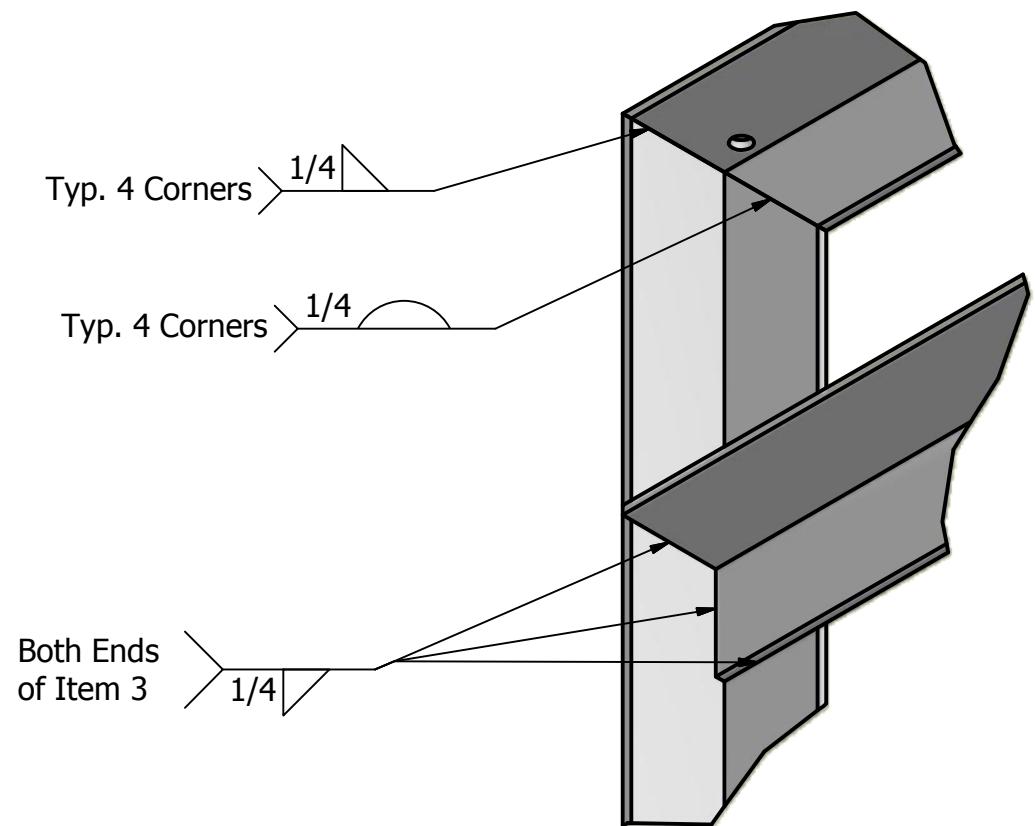
4		3		2		1
ZONE B-4	REV 1			DESCRIPTION Added holes to part. Created another view and cross section		DATE 12/7/2012 APPROVED MLC



SECTION D-D
SCALE 0.17 : 1



DETAIL B
SCALE 1 / 2
Typ. All Pieces

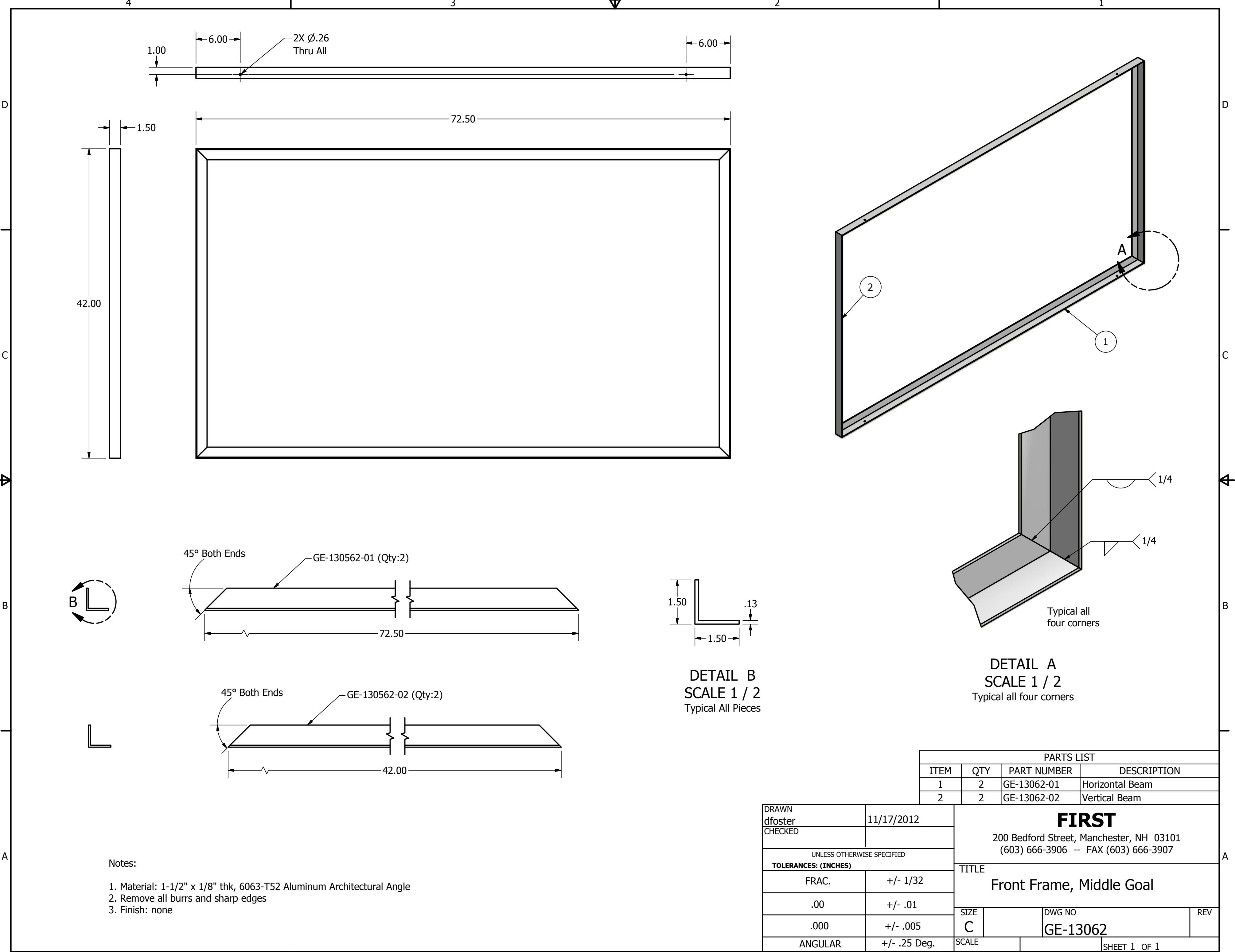


DETAIL A
SCALE 1 / 2

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	GE-13061-01	Vertical Member
2	2	GE-13061-02	Horizontal Member
3	1	GE-13061-03	Sensor Brace

DRAWN dfoster	11/28/2012	TITLE Side Frame 2, Middle Goal
CHECKED		
UNLESS OTHERWISE SPECIFIED		
TOLERANCES: (INCHES)		
FRAC.	+/- 1/32	
.00	+/- .01	
.000	+/- .005	
ANGULAR	+/- .25 Deg.	
SCALE		DWG NO GE-13061
		REV 1
SHEET 1 OF 1		

- Notes:
- Material: 1-1/2" x 1/8" thick, 6063-T52 Architectural Aluminum Angle
 - Finish: none
 - Remove all burrs and sharp edges.
 - Holes may be drilled prior to welding.



4

3

2

1

REVISION HISTORY

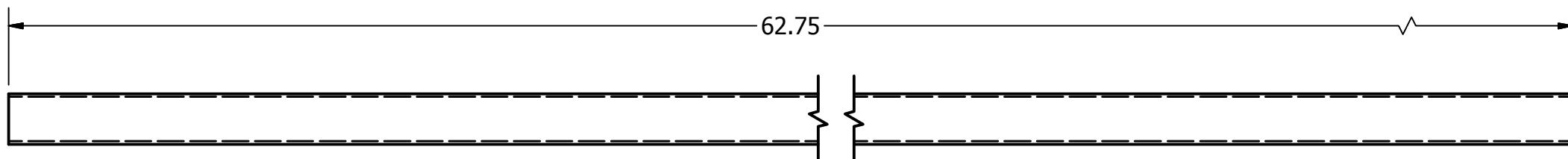
DESCRIPTION

DATE APPROVED

ZONE	REV		
A-3	1	Changed material note, changed OD from .68 to .706	12/5/2012 MLC

B

B



(.706)

Notes:

1. Material: 1/2" Electrical Metallic Tubing (EMT) IT (IMC)
2. Remove all burrs and sharp edges.

DRAWN dfoster	11/17/2012
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

Basket Pole

SIZE

B

DWG NO

GE-13064

REV

1

SHEET 1 OF 1

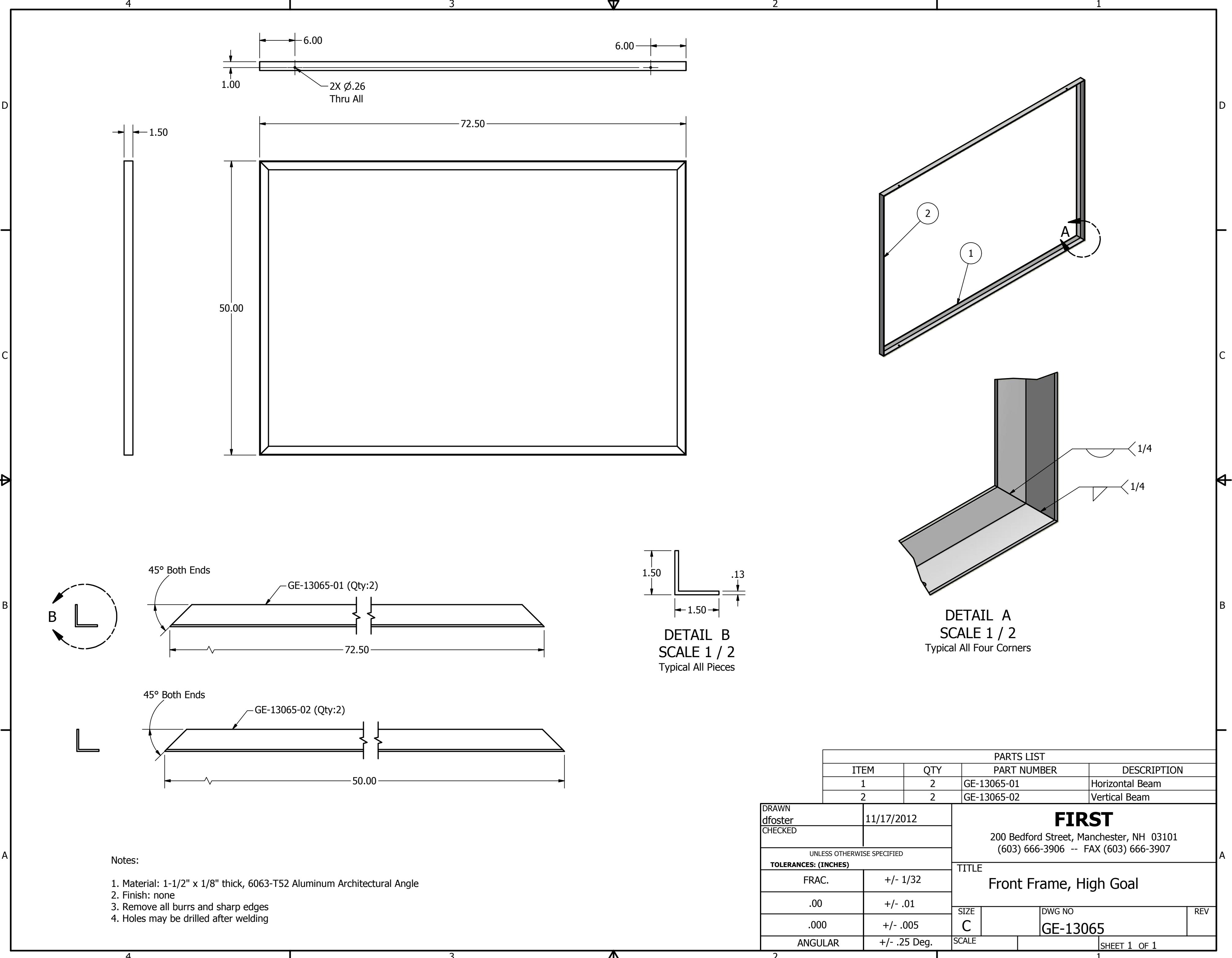
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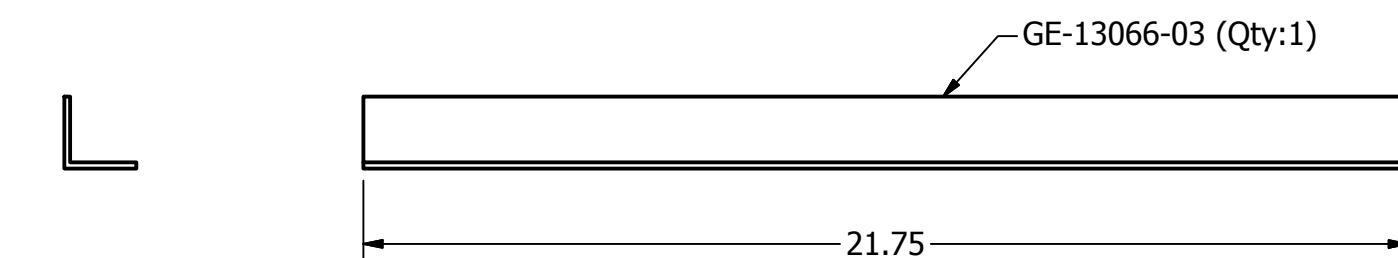
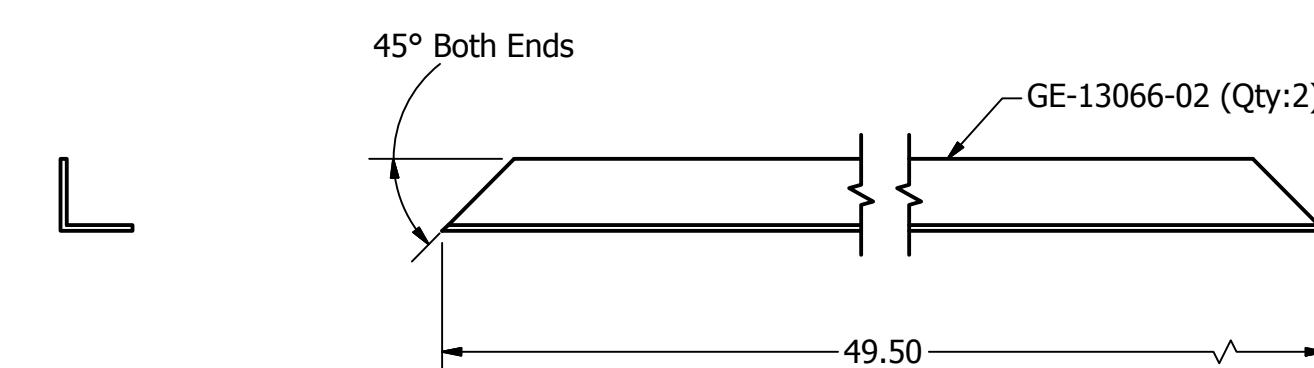
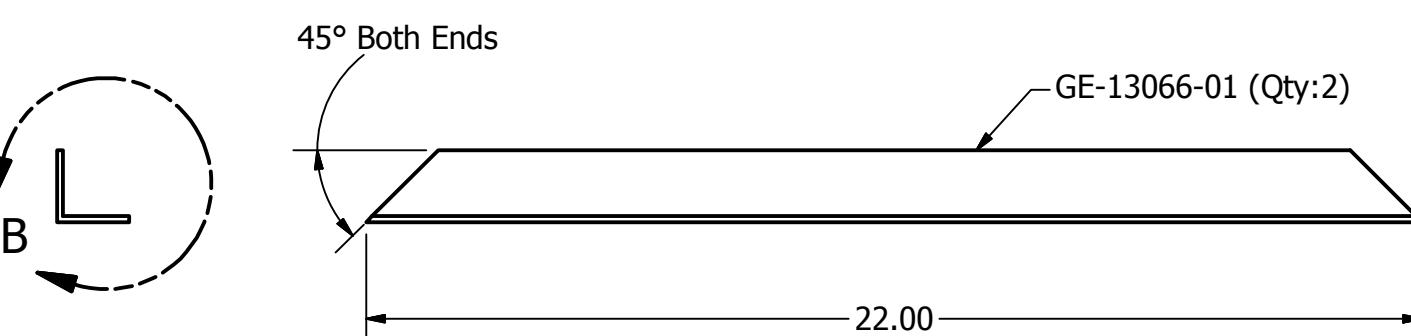
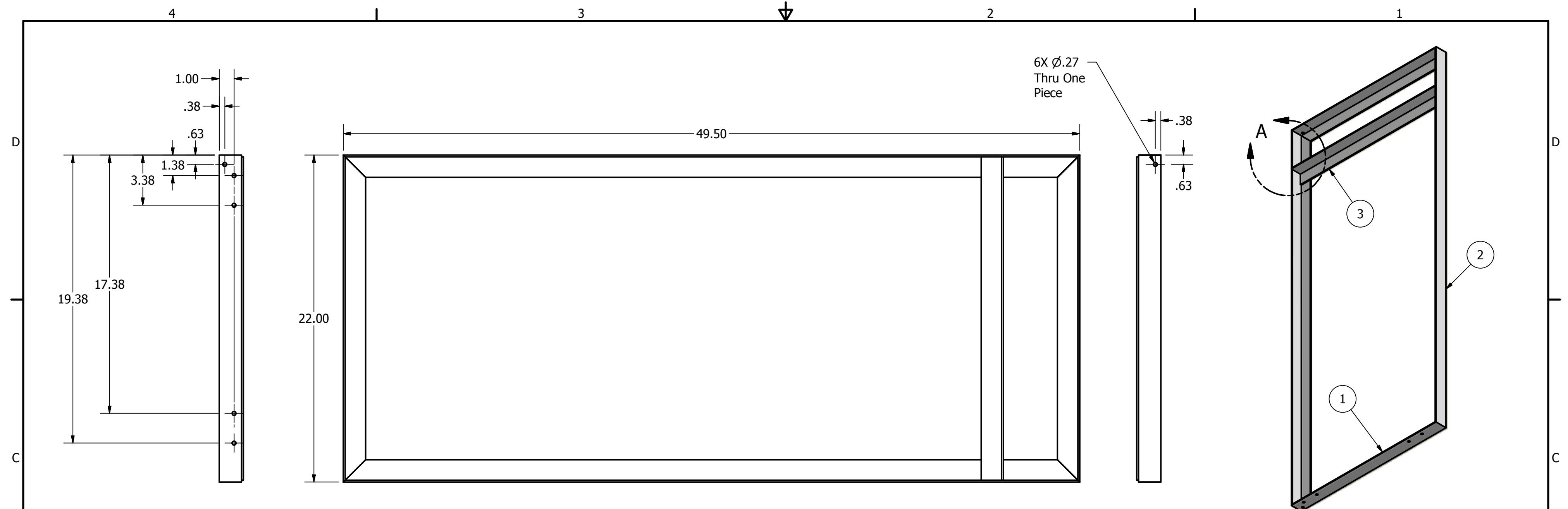
3

2

1

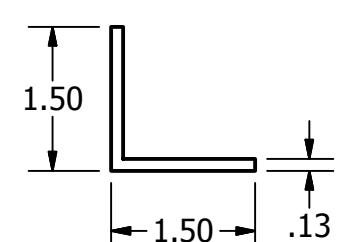
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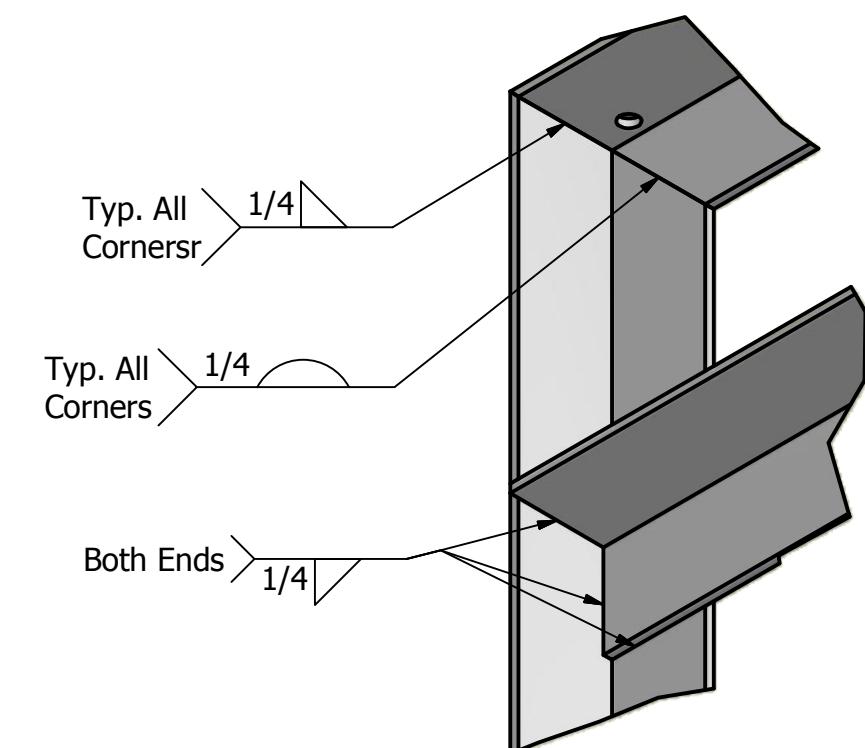


Notes:

1. Material: 1-1/2" x 1/8" thick, 6063-T52 Architectural Aluminum Angle
 2. Finish: none
 3. Remove all burrs and sharp edges
 4. Holes may be drilled prior to welding



DETAIL B
SCALE 1 / 2
Typical All Pieces



PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	GE-13066-01	Horizontal Member
2	2	GE-13066-02	Vertical Member
3	1	GE-13066-03	Sensor Brace

FIRST

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

1

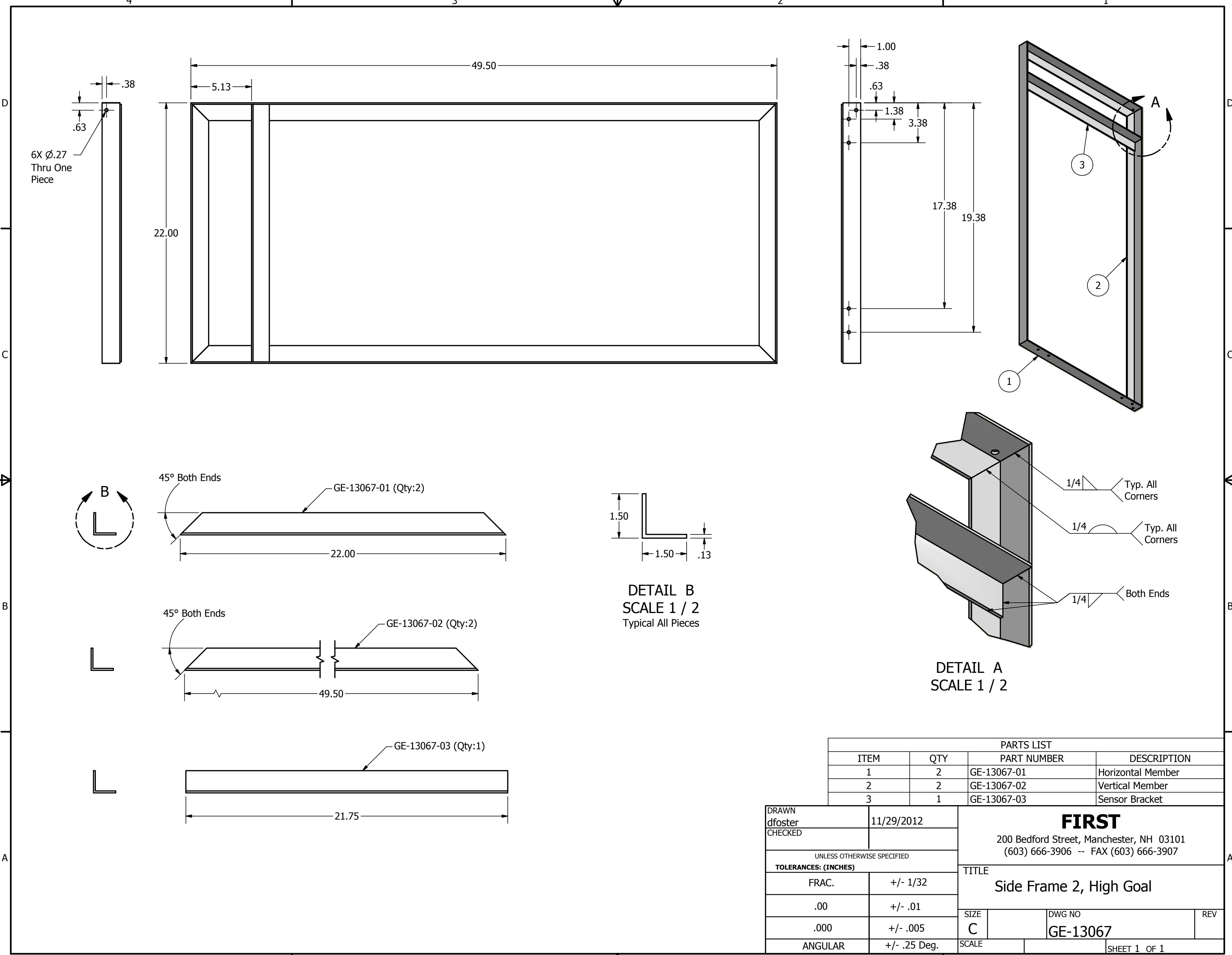
Side Frame 1, High Goal

1

DWG NO
GF-13066

SHEET 1 OF 1

1



4 3 2 1

D

D

C

C

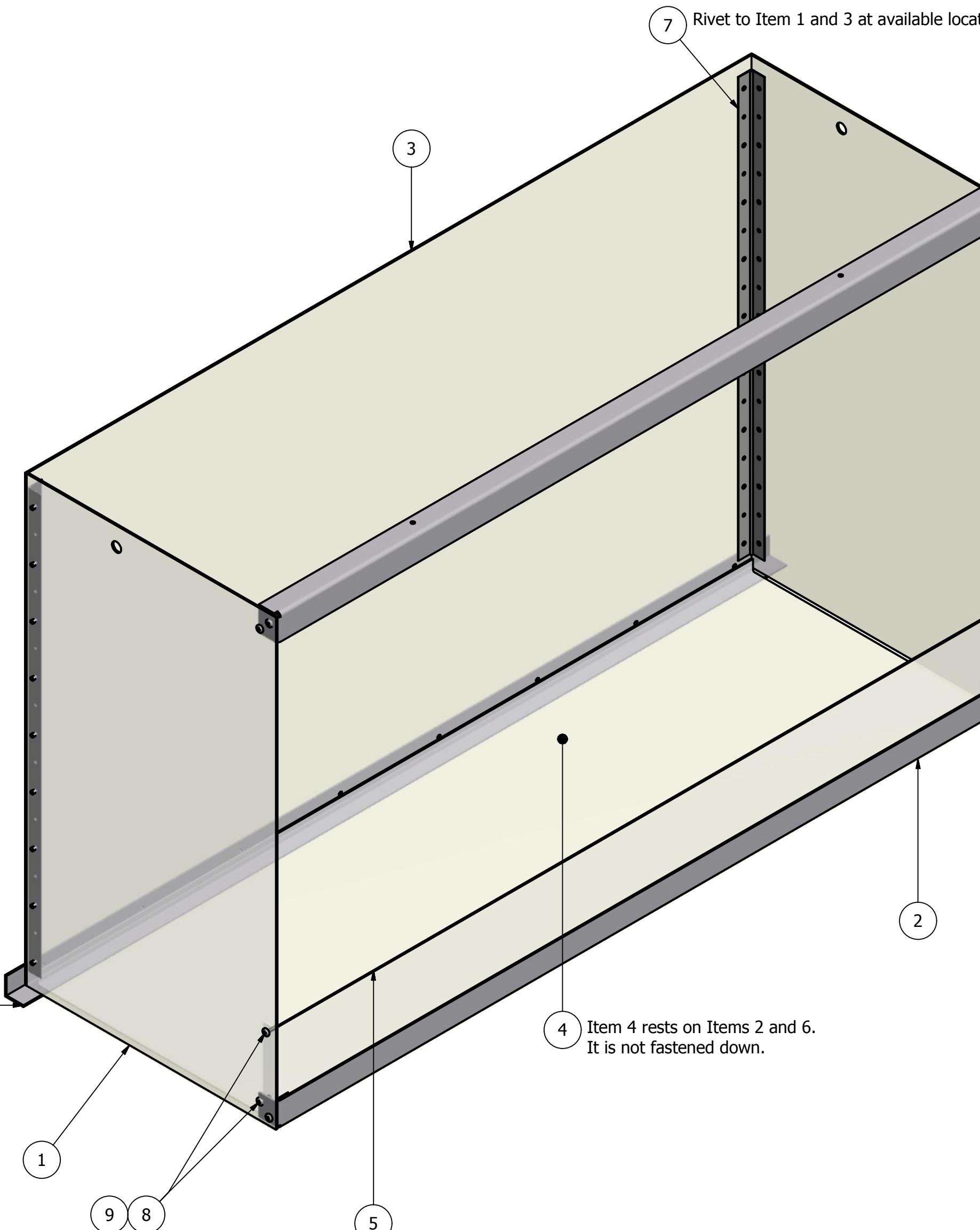
B

B

A

A

Rivet to Item 3
at available locations.



Notes:

1. Item 7: Hinge, Goal Basket is used for packing purposes only.
Angle or other material may be substituted if available.

Rivet to Item 1 and 3 at available locations. (both sides)

Item 4 rests on Items 2 and 6.
It is not fastened down.

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	GE-13069	Side, Goal Basket
2	2	GE-13037	Box Brace
3	1	GE-13070	Back, Middle Goal Basket
4	1	GE-13074	Bottom, Goal Basket
5	1	GE-13073	Front, Goal Basket
6	1	GE-13072	Bottom Angle, Goal Basket
7	2	GE-13068-02	Hinge, Goal Basket
8	10	HW-00015	1/4-20 x 3/4" Button head screw, zinc plated
9	10	HW-00002	Nut, Lock 1/4-20
10	44	HW-00010	Pop Rivet 3/16 Dia.

DRAWN mcyr	12/21/2012	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-13068
		REV
		SHEET 1 OF 2

4

3

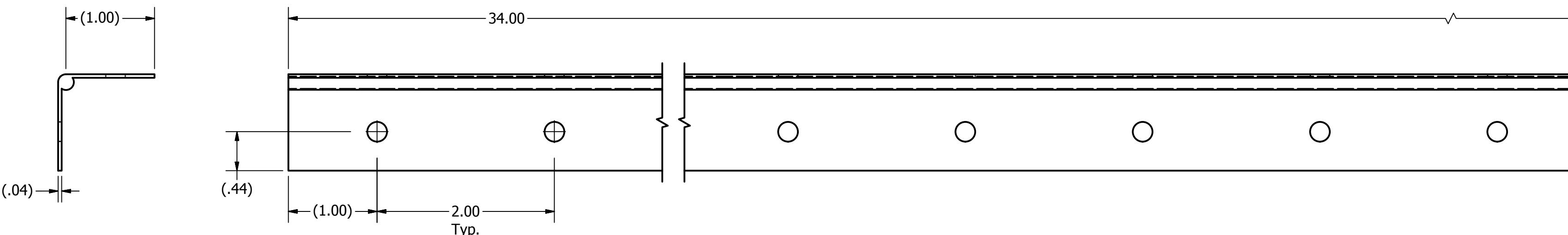
2

1

4

A

4 3 2 1



Item: GE-13068-02, Hinge, Goal Basket

Material: 2" Hinge

QTY: 2

Scale: 1/1

Source: www.tchweb.com (P/N: #505-1965801) or similar

D

D

C

C

B

B

A

A

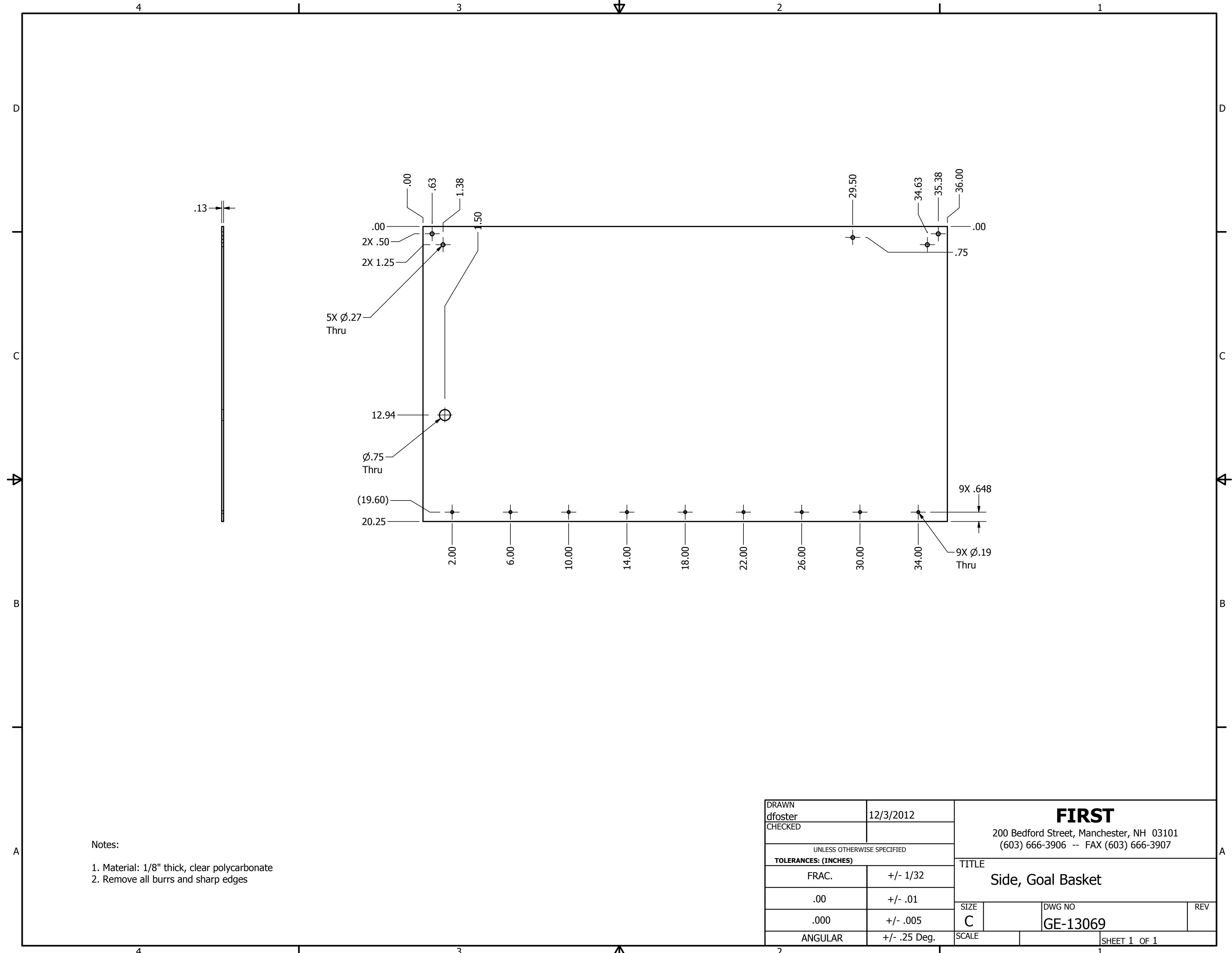
DRAWN mcyr	12/21/2012	FIRST 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907					
CHECKED							
UNLESS OTHERWISE SPECIFIED							
TOLERANCES: (INCHES)							
FRAC.	+/- 1/32						
.00	+/- .01						
.000	+/- .005						
ANGULAR	+/- .25 Deg.	SCALE	DWG NO	REV			
			GE-13068				
			SHEET 2 OF 2				

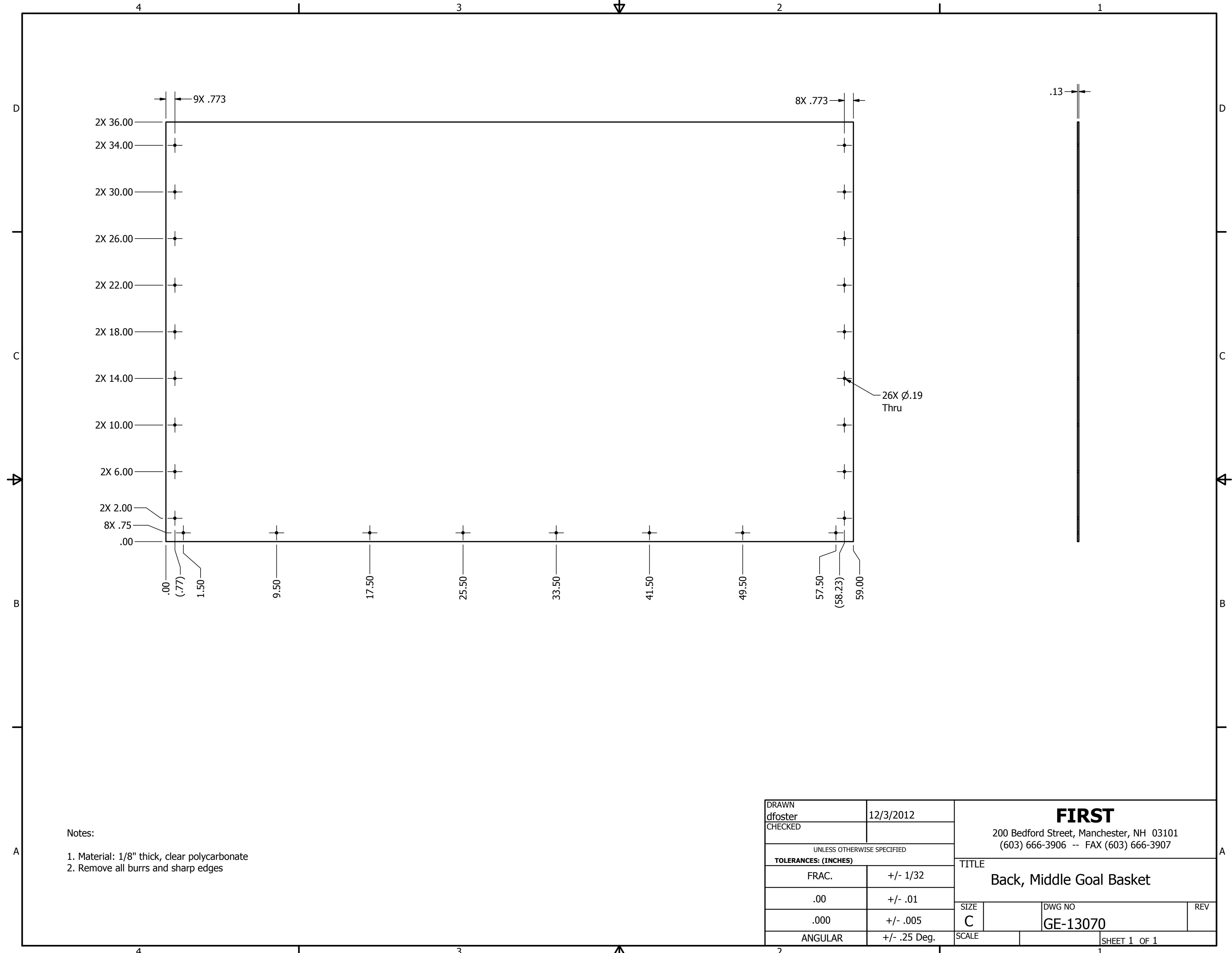
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3

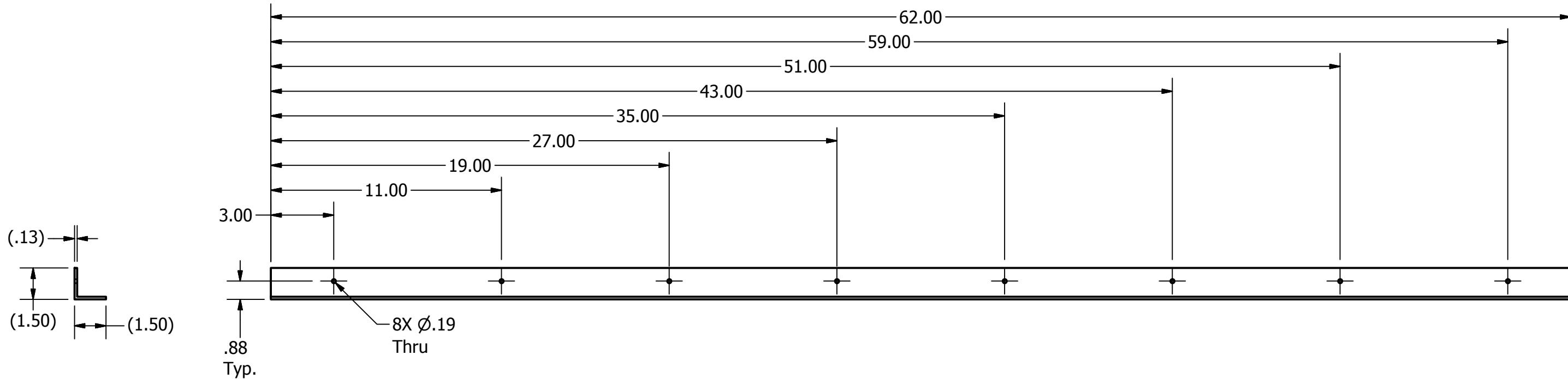
2

1





4 | 3 | 2 | 1

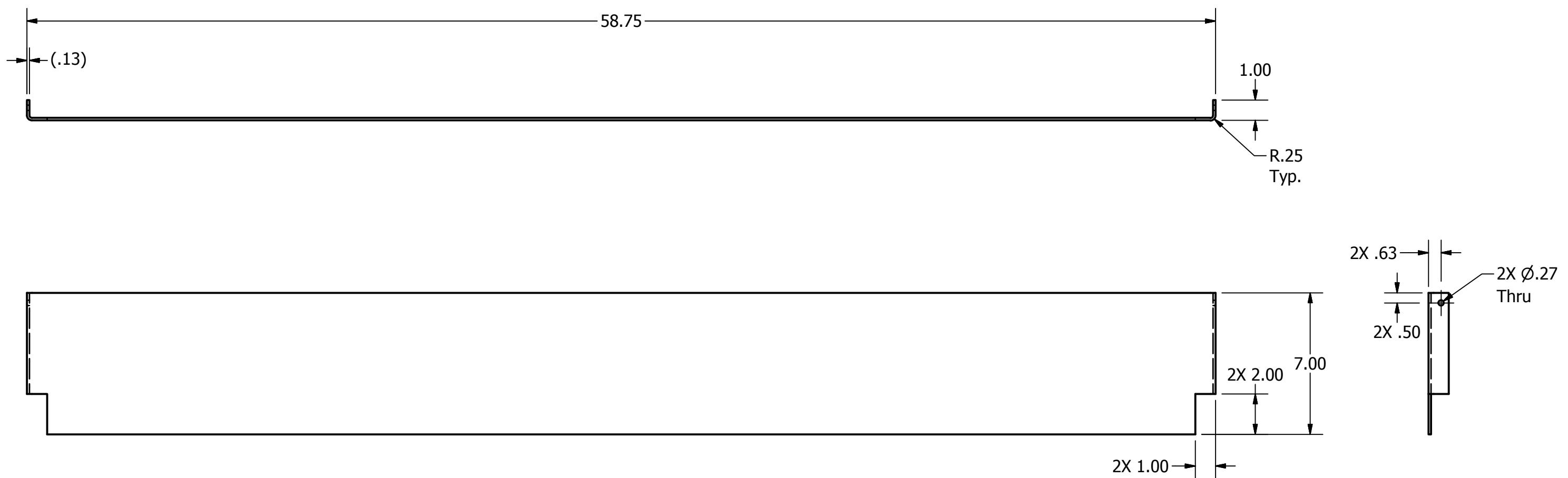


Notes:

1. Material: 1-1/2" x 1/8" thick, 6063-T52 Architectural Aluminum Angle
2. Finish: None
3. Remove all burrs and sharp edges

DRAWN dfoster	12/3/2012	FIRST			
CHECKED		200 Bedford Street, Manchester, NH 03101			
UNLESS OTHERWISE SPECIFIED					
TOLERANCES: (INCHES)		TITLE			
FRAC.	+/- 1/32	Bottom Angle, Goal Basket			
.00	+/- .01	SIZE	DWG NO	REV	
.000	+/- .005	B	GE-13072		
ANGULAR	+/- .25 Deg.	SCALE		SHEET 1 OF 1	

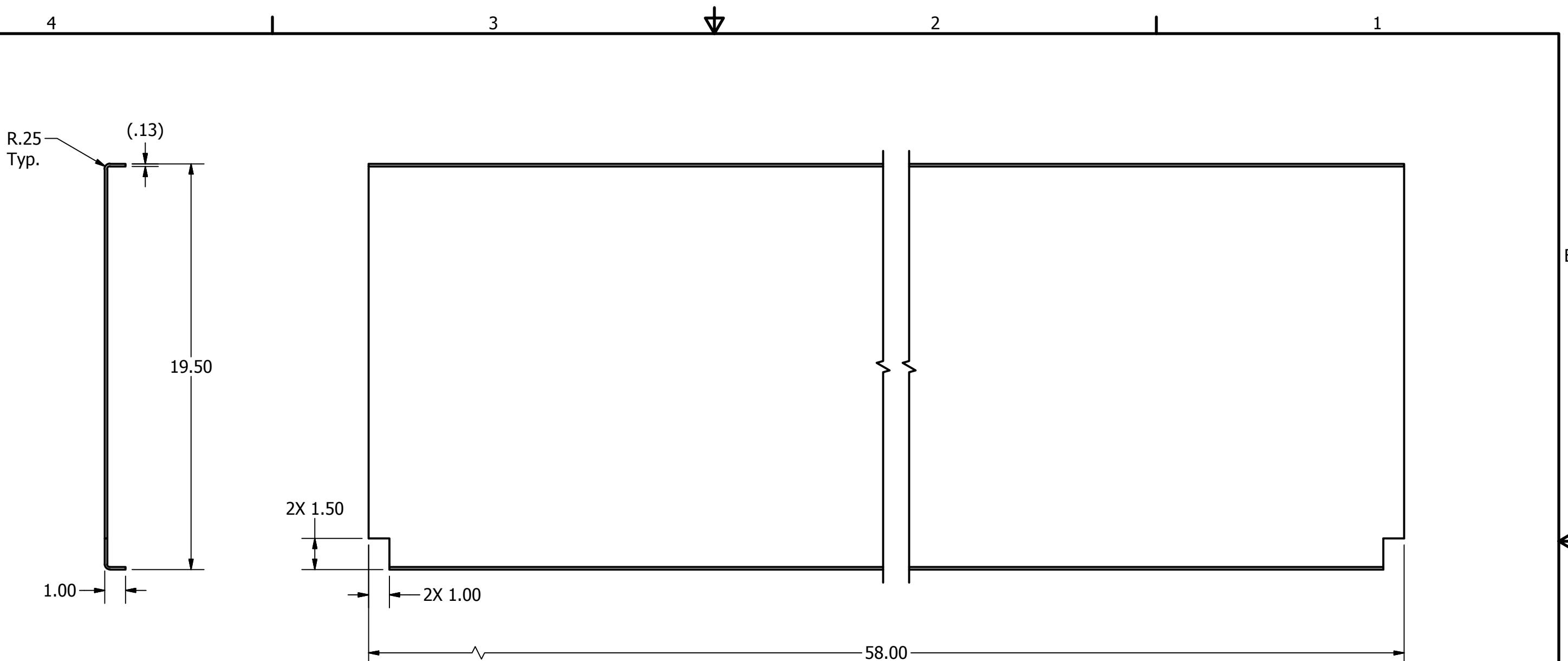
4 | 3 | 2 | 1



Notes:

1. Material: 1/8" thick, clear polycarbonate.
2. Remove all burrs and sharp edges.

DRAWN dfoster	12/3/2012	FIRST		
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
UNLESS OTHERWISE SPECIFIED				
TOLERANCES: (INCHES)		TITLE		
FRAC.	+/- 1/32	Front, Goal Basket		
.00	+/- .01	SIZE		
.000	+/- .005	B	DWG NO	
ANGULAR	+/- .25 Deg.	GE-13073		REV
		SCALE		SHEET 1 OF 1



Notes:

1. Material: 1/8" thick, clear polycarbonate.
2. Remove all burrs and sharp edges.

DRAWN dfoster	12/3/2012	FIRST					
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907					
UNLESS OTHERWISE SPECIFIED							
TOLERANCES: (INCHES)							
FRAC.	+/- 1/32	TITLE					
.00	+/- .01	Bottom, Goal Basket					
.000	+/- .005	SIZE	DWG NO	REV			
ANGULAR	+/- .25 Deg.	B	GE-13074				
SCALE			SHEET 1 OF 1				

4

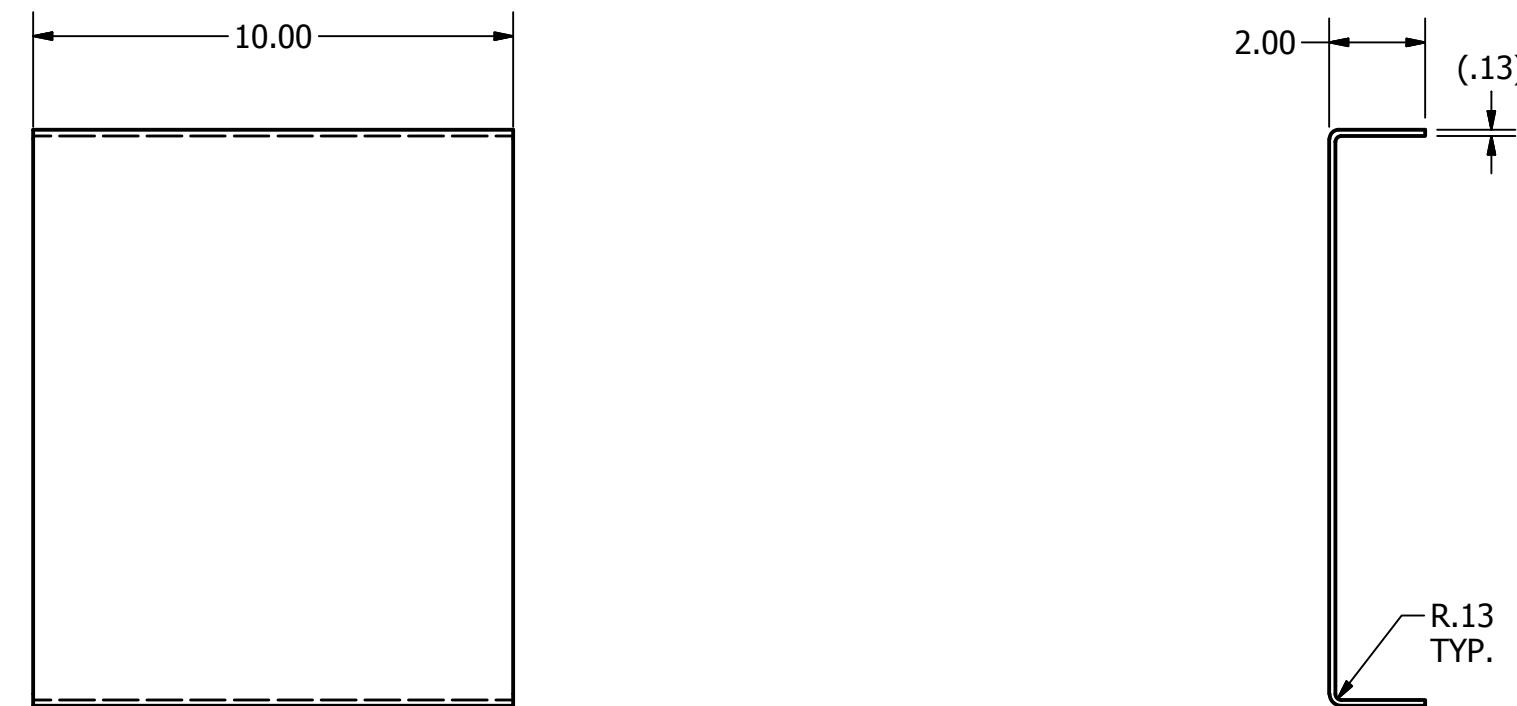
3

2

1

B

B



Notes:

1. Material: 1/8" Coroplast, Red or Blue
2. Remove all burrs and sharp edges

DRAWN dfoster	12/29/2012	FIRST					
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907					
UNLESS OTHERWISE SPECIFIED							
TOLERANCES: (INCHES)							
FRAC.	+/- 1/32	TITLE					
.00	+/- .01	Cover, Slide					
.000	+/- .005	SIZE	DWG NO	REV			
ANGULAR	+/- .25 Deg.	B	GE-13075				
		SCALE		SHEET 1 OF 1			

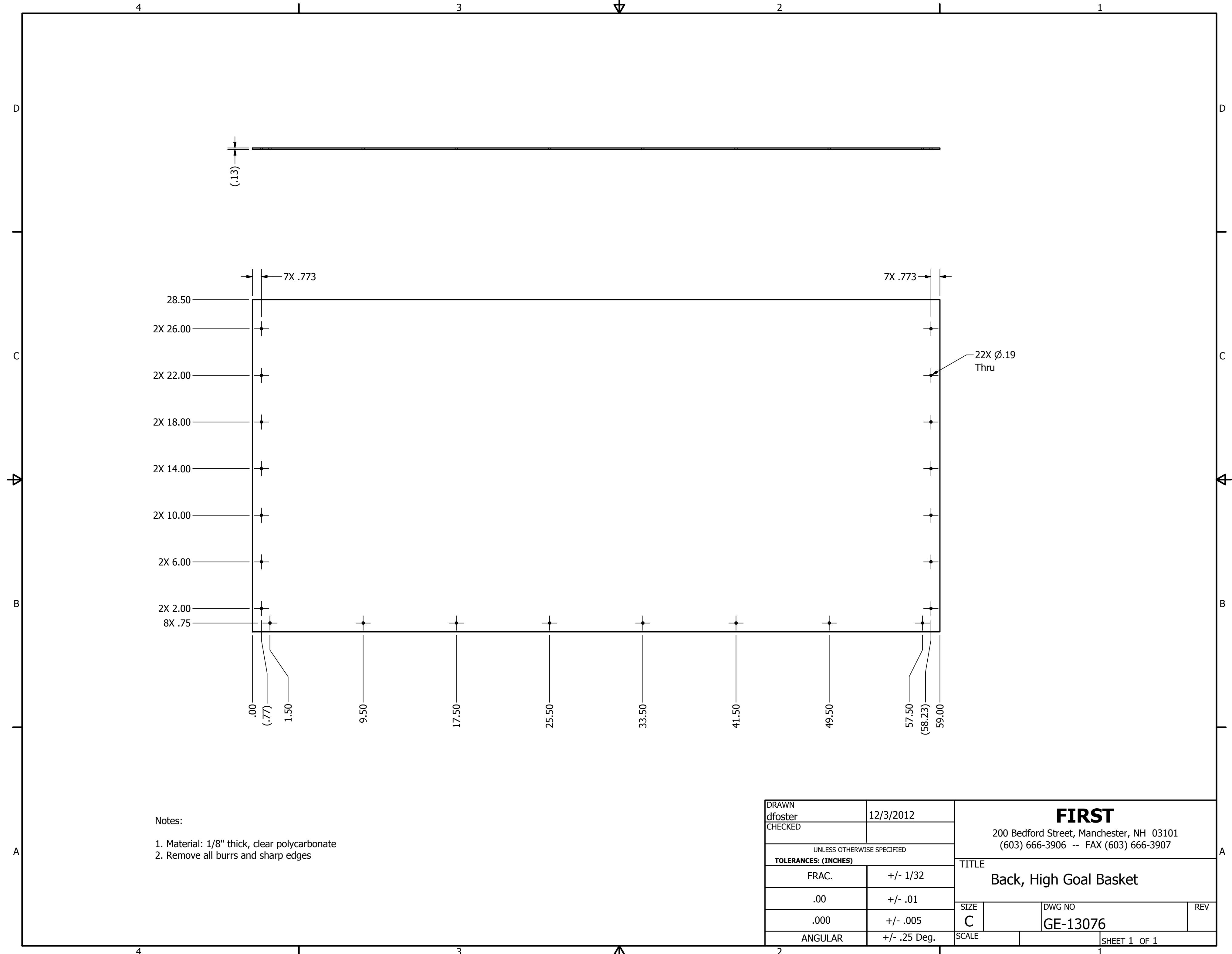
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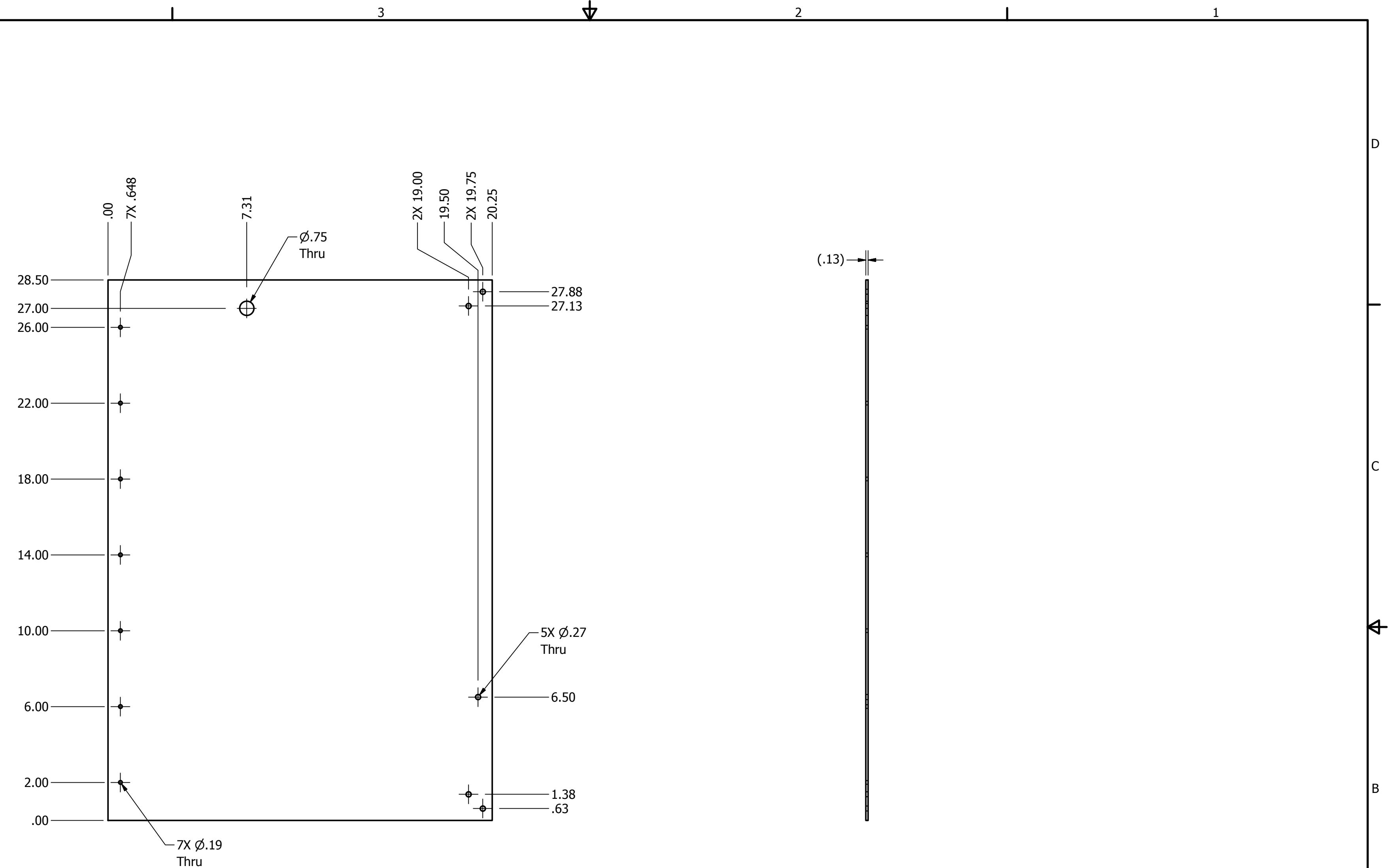
3

2

1

4

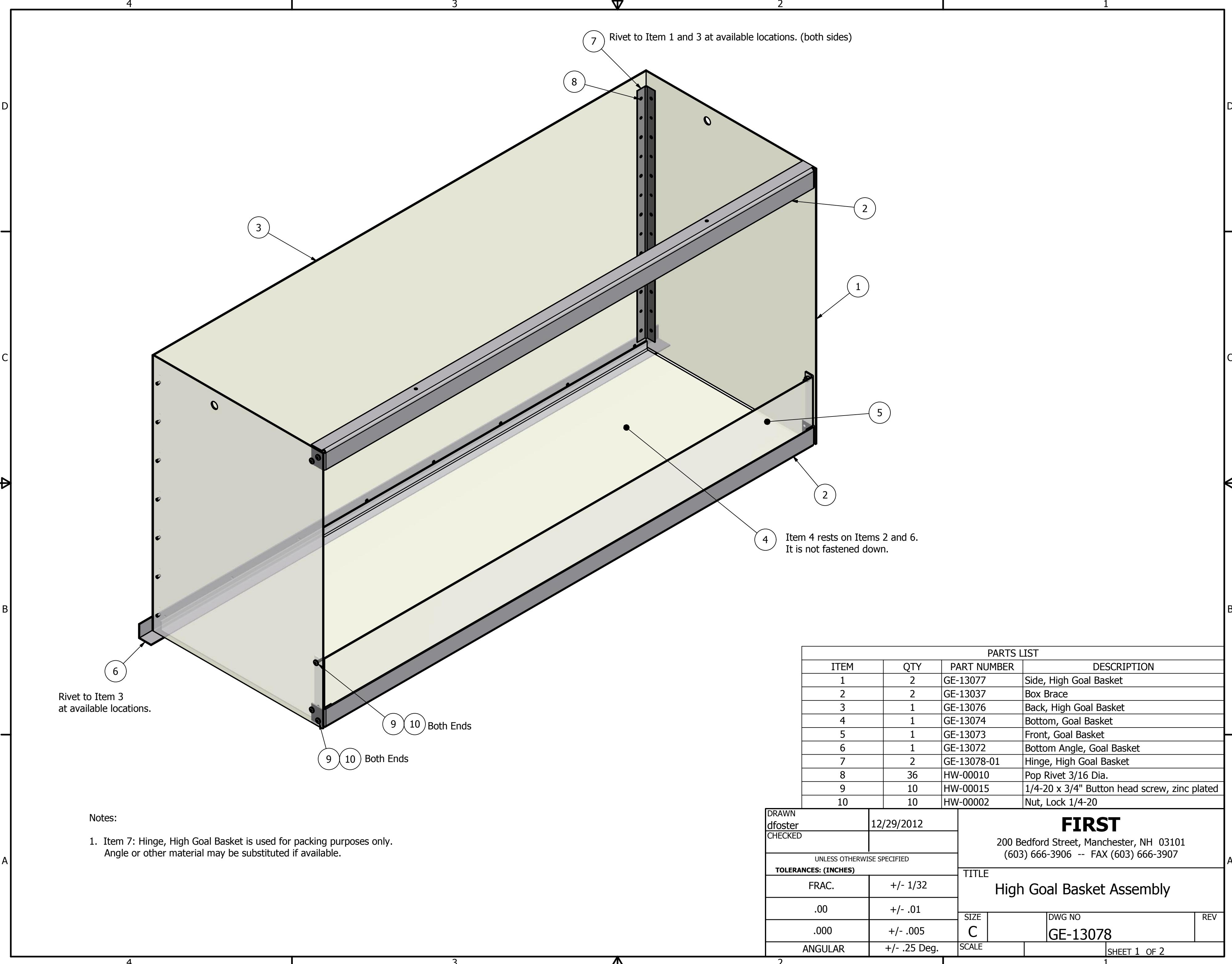


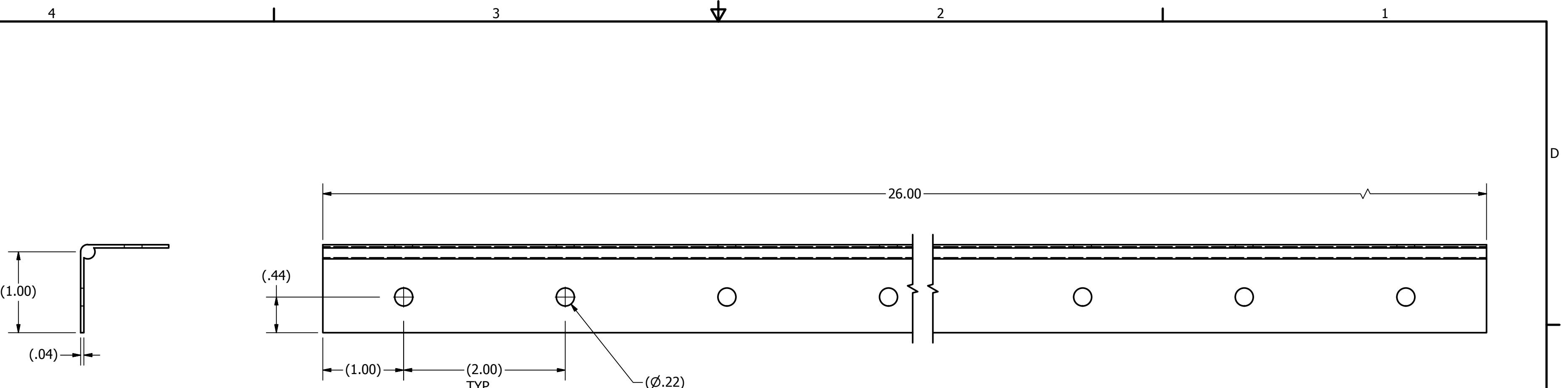


Notes:

1. Material: 1/8" thick, clear polycarbonate
2. Remove all burrs and sharp edges

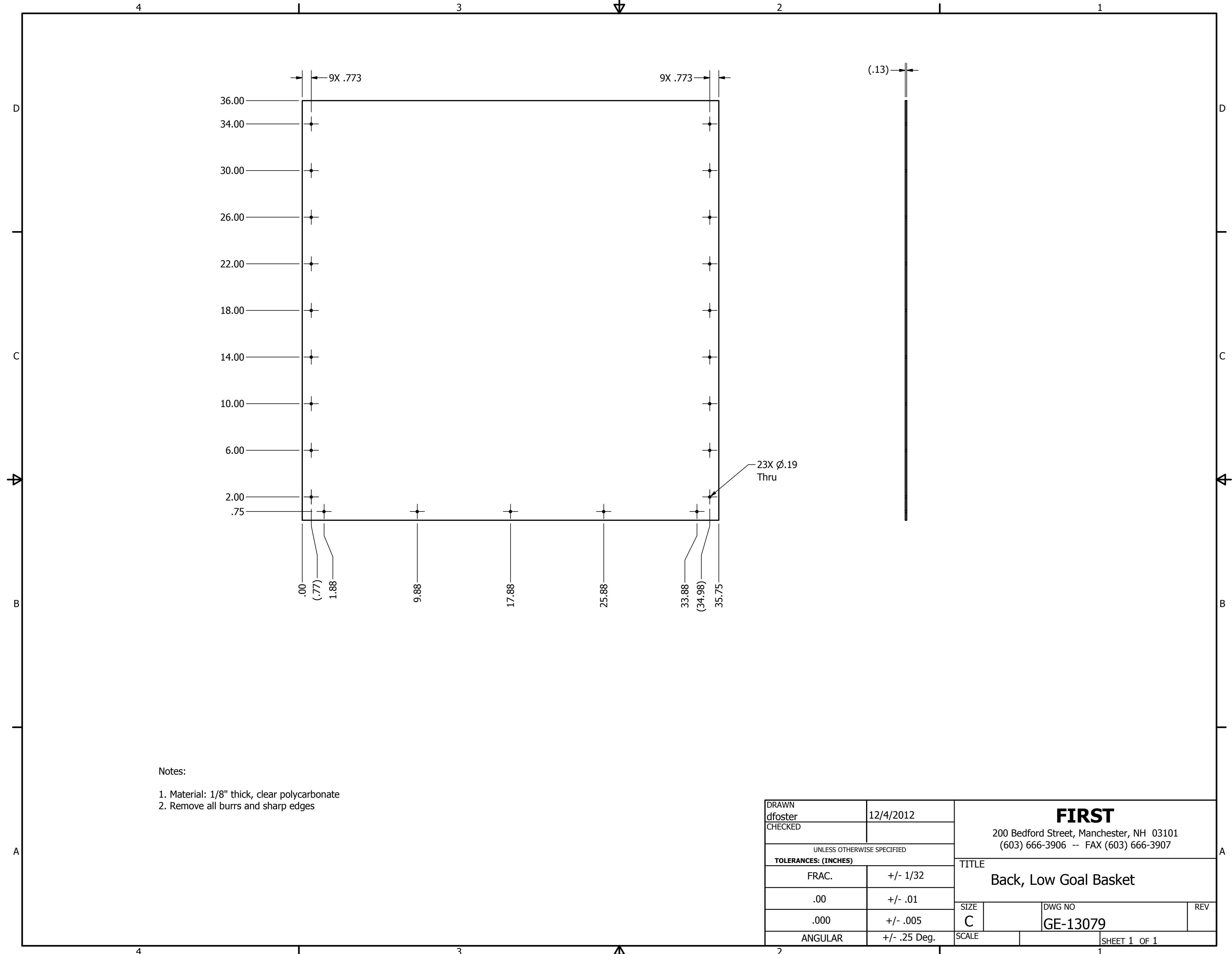
DRAWN dfoster	12/3/2012	FIRST		
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
UNLESS OTHERWISE SPECIFIED				
TOLERANCES: (INCHES)		TITLE		
FRAC.	+/- 1/32	Side, High Goal Basket		
.00	+/- .01	SIZE		
.000	+/- .005	DWG NO		
ANGULAR	+/- .25 Deg.	SCALE		REV
				SHEET 1 OF 1

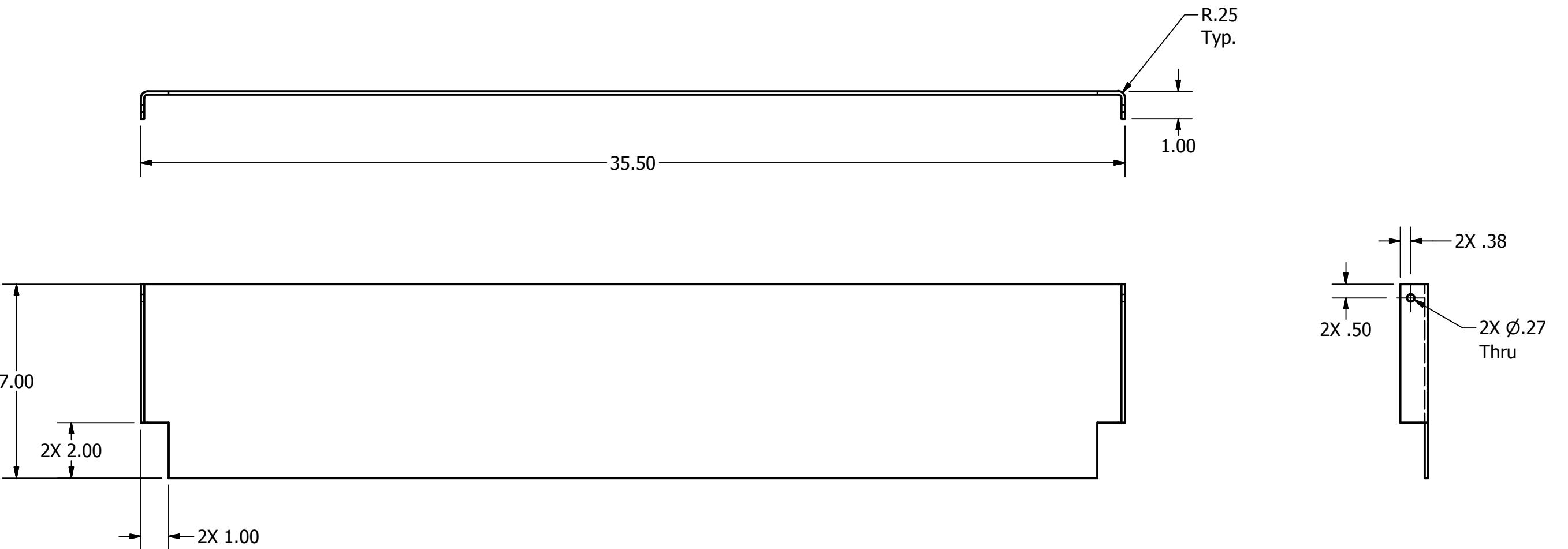




Item: GE-13078-01, Hinge, High Goal Basket
Material: 2" Hinge
QTY: 2
Scale: 1/1
Source: www.tchweb.com (P/N: #505-1965801) or similar

DRAWN dfoster	12/29/2012	FIRST		
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
UNLESS OTHERWISE SPECIFIED				
TOLERANCES: (INCHES)		TITLE		
FRAC.	+/- 1/32	High Goal Basket Assembly		
.00	+/- .01	SIZE		
.000	+/- .005	DWG NO		
ANGULAR	+/- .25 Deg.	SCALE		REV
			GE-13078	
			SHEET 2 OF 2	



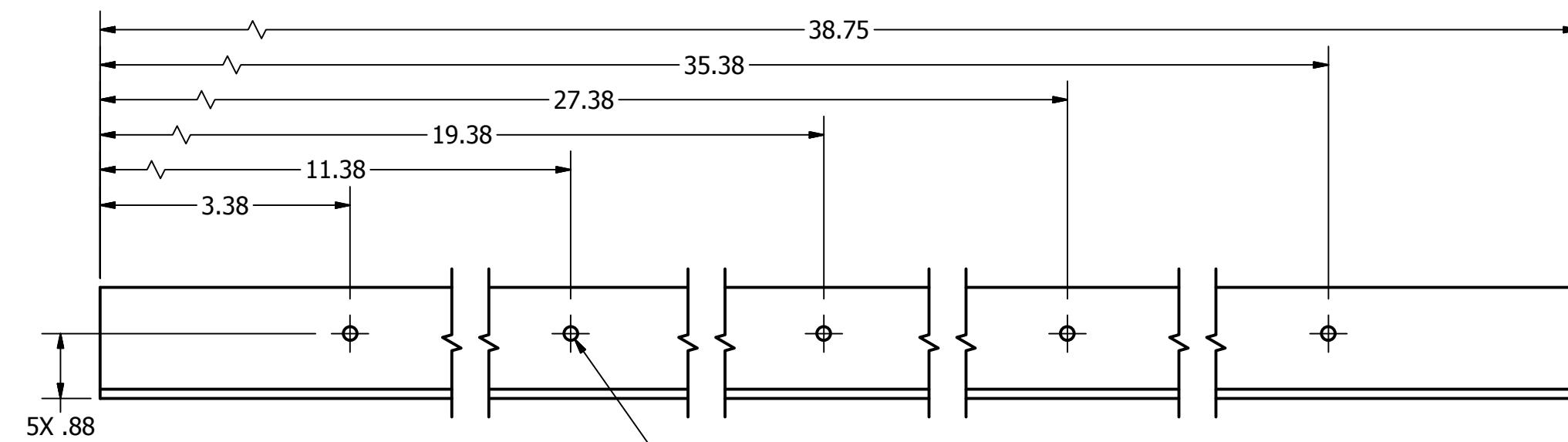
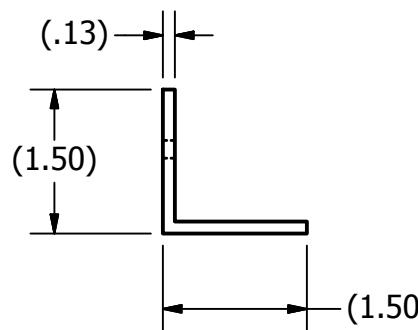


Notes:

1. 1/8" thick, clear polycarbonate
2. Remove all burrs and sharp edges

DRAWN dfoster	12/4/2012	FIRST					
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907					
UNLESS OTHERWISE SPECIFIED							
TOLERANCES: (INCHES)							
FRAC.	+/- 1/32	TITLE					
.00	+/- .01	Front, Low Goal Basket					
.000	+/- .005	SIZE	DWG NO	REV			
ANGULAR	+/- .25 Deg.	B	GE-13080				
SCALE				SHEET 1 OF 1			

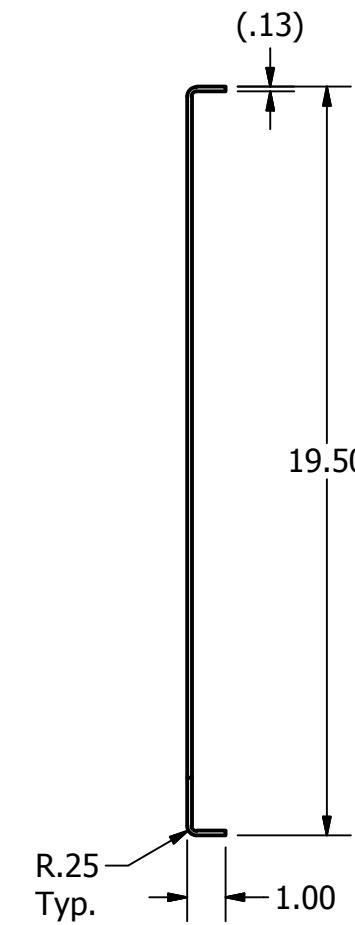
4 3 2 1



DRAWN dfoster	12/4/2012	FIRST			
CHECKED		200 Bedford Street, Manchester, NH 03101			
UNLESS OTHERWISE SPECIFIED					
TOLERANCES: (INCHES)					
FRAC.	+/- 1/32	TITLE			
.00	+/- .01	Angle, Low Goal Basket			
.000	+/- .005	SIZE	DWG NO	REV	
ANGULAR	+/- .25 Deg.	B	GE-13081		
SCALE					
SHEET 1 OF 1					

4 3 2 1

4 | 3 | 2 | 1

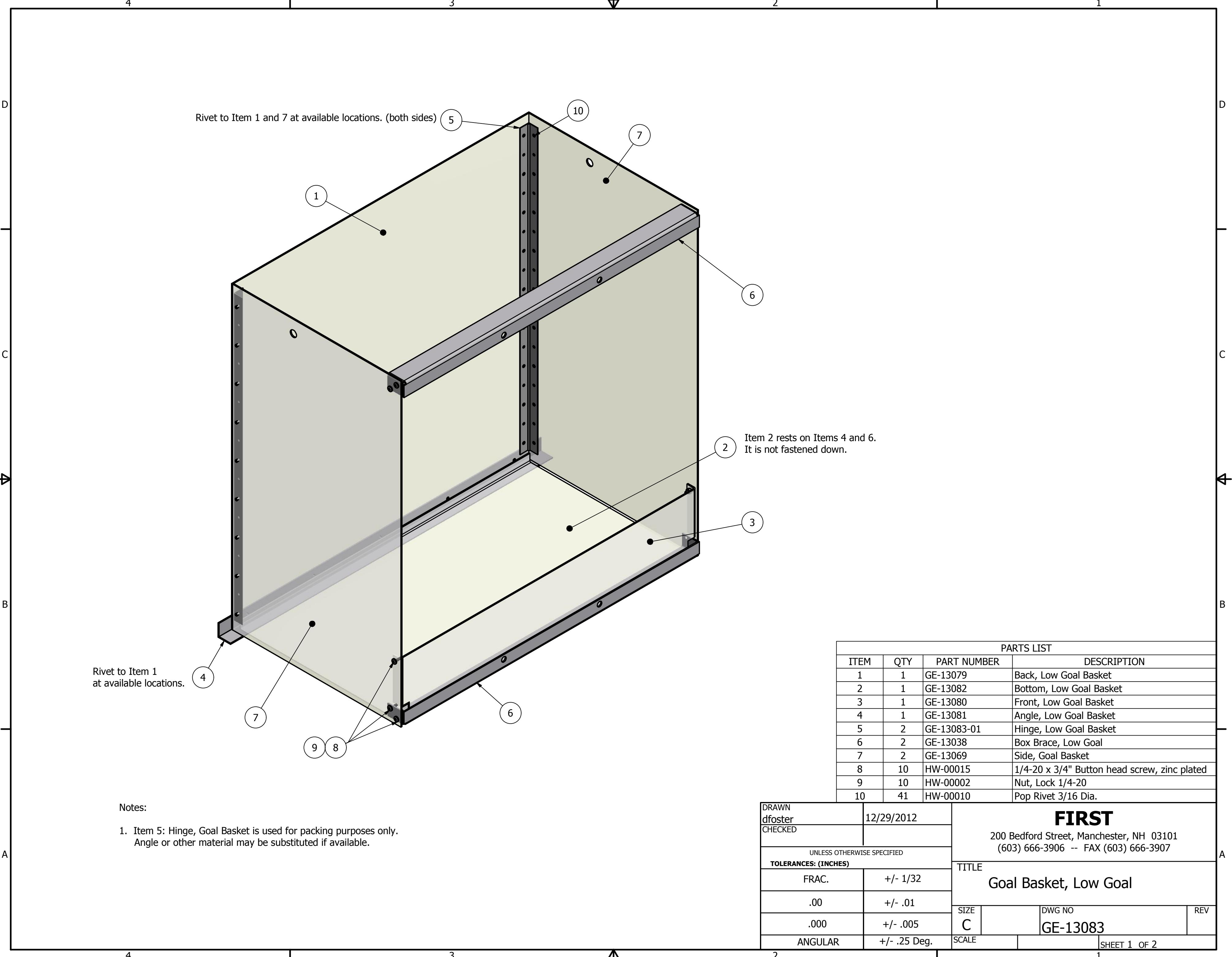


Notes:

1. Material: 1/8" thick, clear polycarbonate
2. Remove all burrs and sharp edges

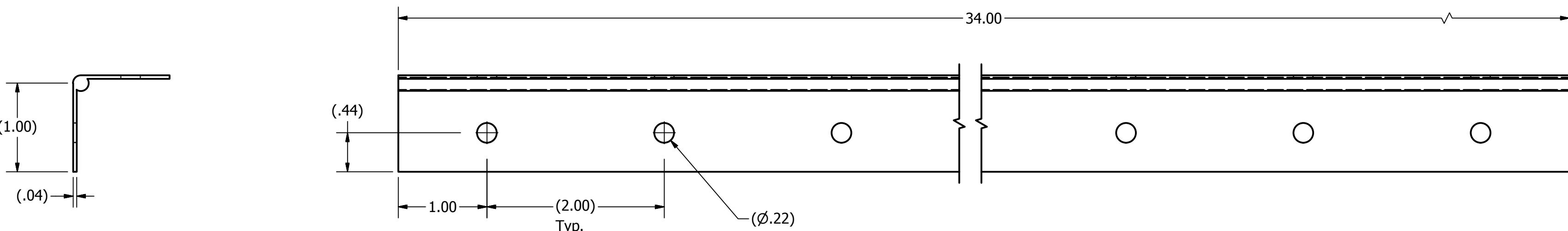
DRAWN dfoster	12/4/2012	FIRST					
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907					
UNLESS OTHERWISE SPECIFIED							
TOLERANCES: (INCHES)							
FRAC.	+/- 1/32	TITLE					
.00	+/- .01	Bottom, Low Goal Basket					
.000	+/- .005	SIZE	DWG NO	REV			
ANGULAR	+/- .25 Deg.	B	GE-13082				
SCALE			SHEET 1 OF 1				

4 | 3 | 2 | 1



4 3 2 1

D



C

Item: GE-13083-01, Hinge, Low Goal Basket
Material: 2" Hinge
QTY: 2
Scale: 1/1
Source: www.tchweb.com (P/N: #505-1965801) or similar

B

B

A

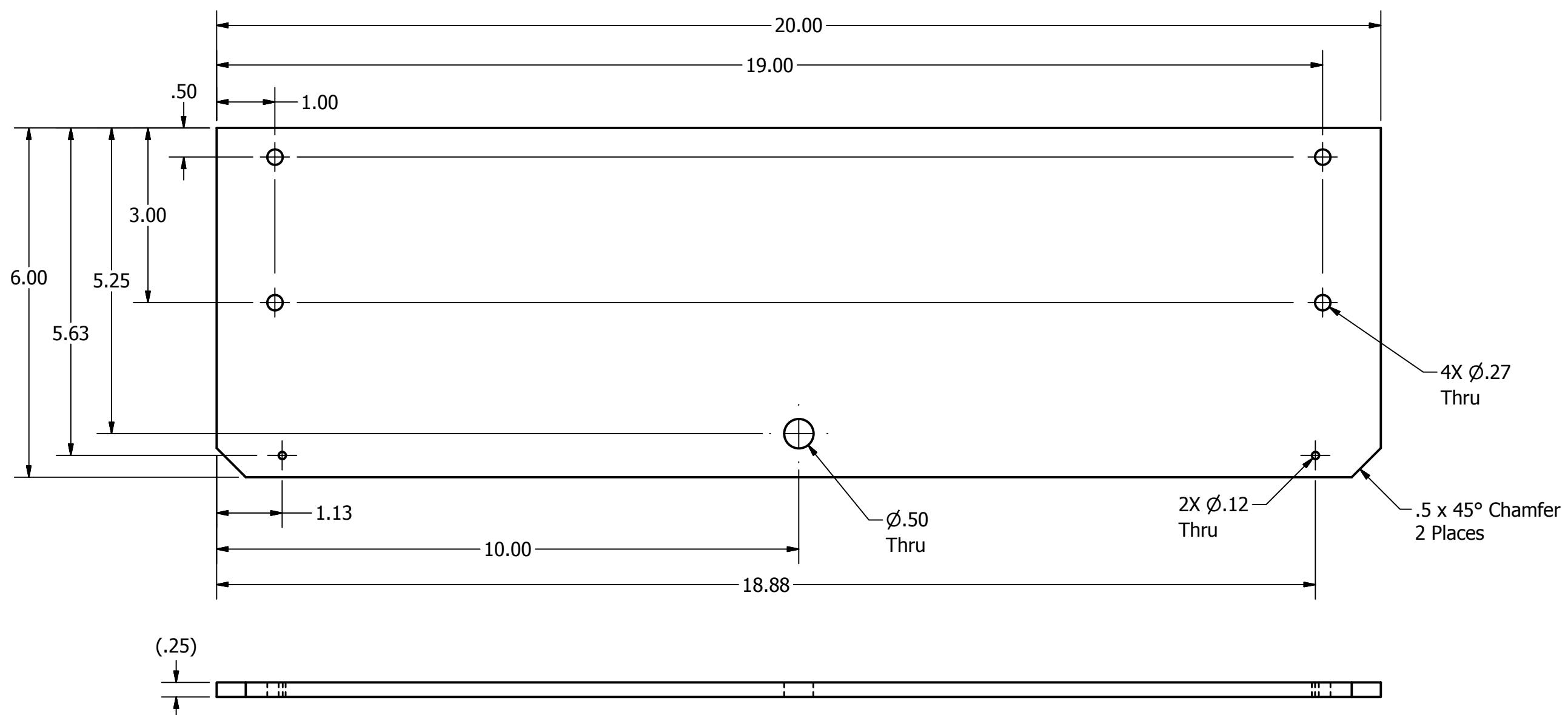
D

C

B

A

DRAWN dfoster	12/29/2012	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-13083	
				SHEET 2 OF 2



Notes:

1. Material: 1/4" thick, clear polycarbonate
2. Remove all burrs and sharp edges

DRAWN dfoster	12/4/2012	FIRST		
CHECKED		200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907		
UNLESS OTHERWISE SPECIFIED				
TOLERANCES: (INCHES)		TITLE		
FRAC.	+/- 1/32	Floor 2, Pyramid Goal		
.00	+/- .01	SIZE	DWG NO	REV
.000	+/- .005	B	GE-13084	
ANGULAR	+/- .25 Deg.	SCALE		SHEET 1 OF 1

4

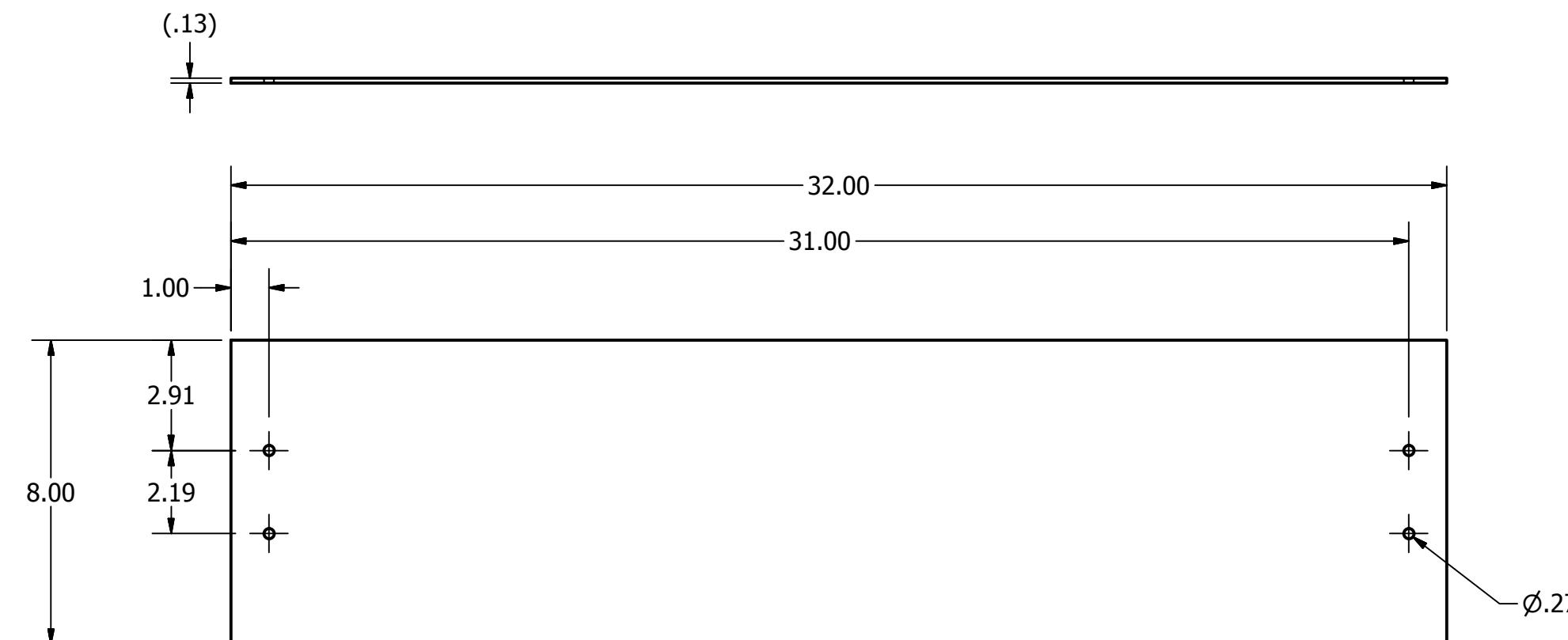
3

2

1

B

B



Notes:

1. Material: 1/8" thk White HDPE
2. Remove all burrs and sharp edges
3. Alternate Material: 1/8 thick Hardboard

DRAWN
dfoster

12/6/2012

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

End Panel Reflector

SIZE

B

DWG NO

GE-13085

REV

SHEET 1 OF 1

4

3

2

1

4

4 3 2 1

D

D

C

C

B

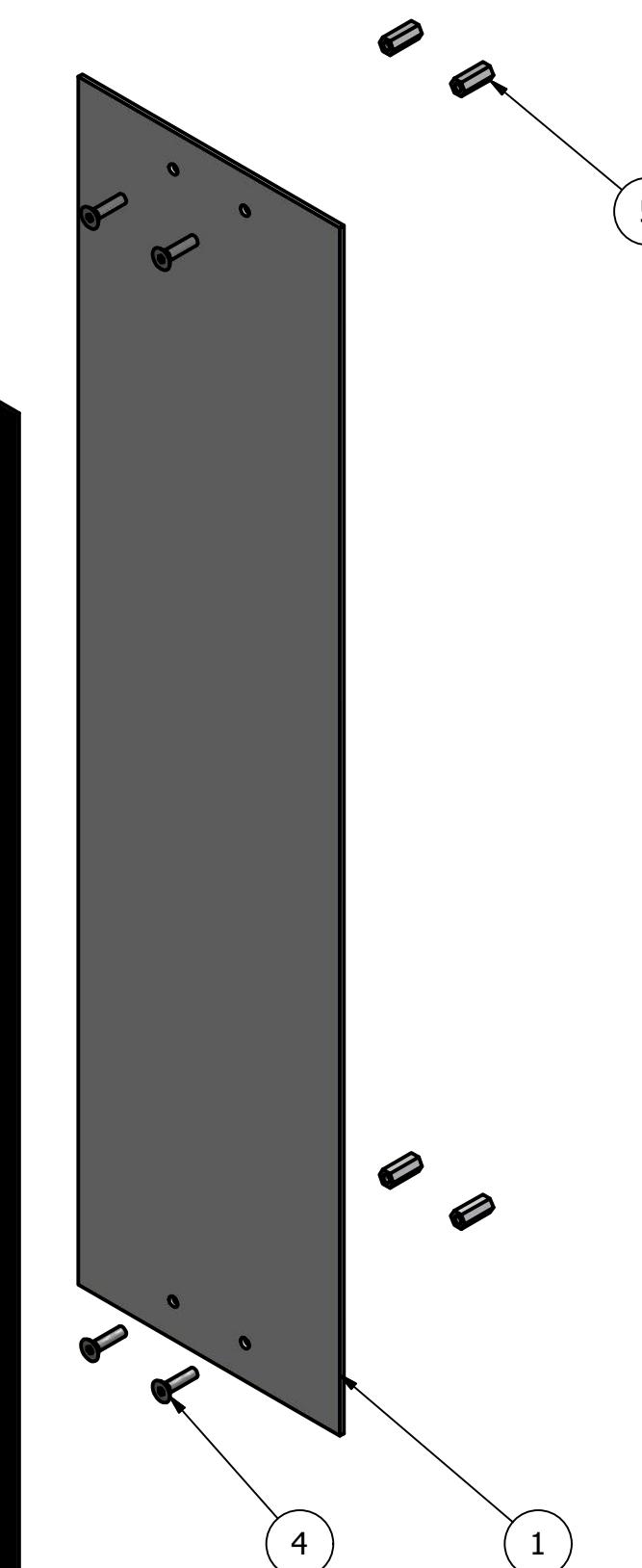
B

A

A

4" Wide Retro Reflective Material
(3M 8830 Silver Marking Film)

2" Black Gaffers Tape



PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	GE-13085	End Panel Reflector
4	4	HW-00074	FHCS 1/4-20 x 1"
5	4	HW-00076	Coupling Nut, 1/4-20 x 7/8"

DRAWN dfoster	12/30/2012	FIRST 200 Bedford Street, Manchester, NH 03101 (603) 666-3906 -- FAX (603) 666-3907	
CHECKED			
UNLESS OTHERWISE SPECIFIED			
TOLERANCES: (INCHES)		SCALE	REV
FRAC.	+/- 1/32		
.00	+/- .01		
.000	+/- .005		
ANGULAR	+/- .25 Deg.		
		SHEET 1 OF 1	

4 3 2 1

3

2

1