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Rev	Change	Name	Date

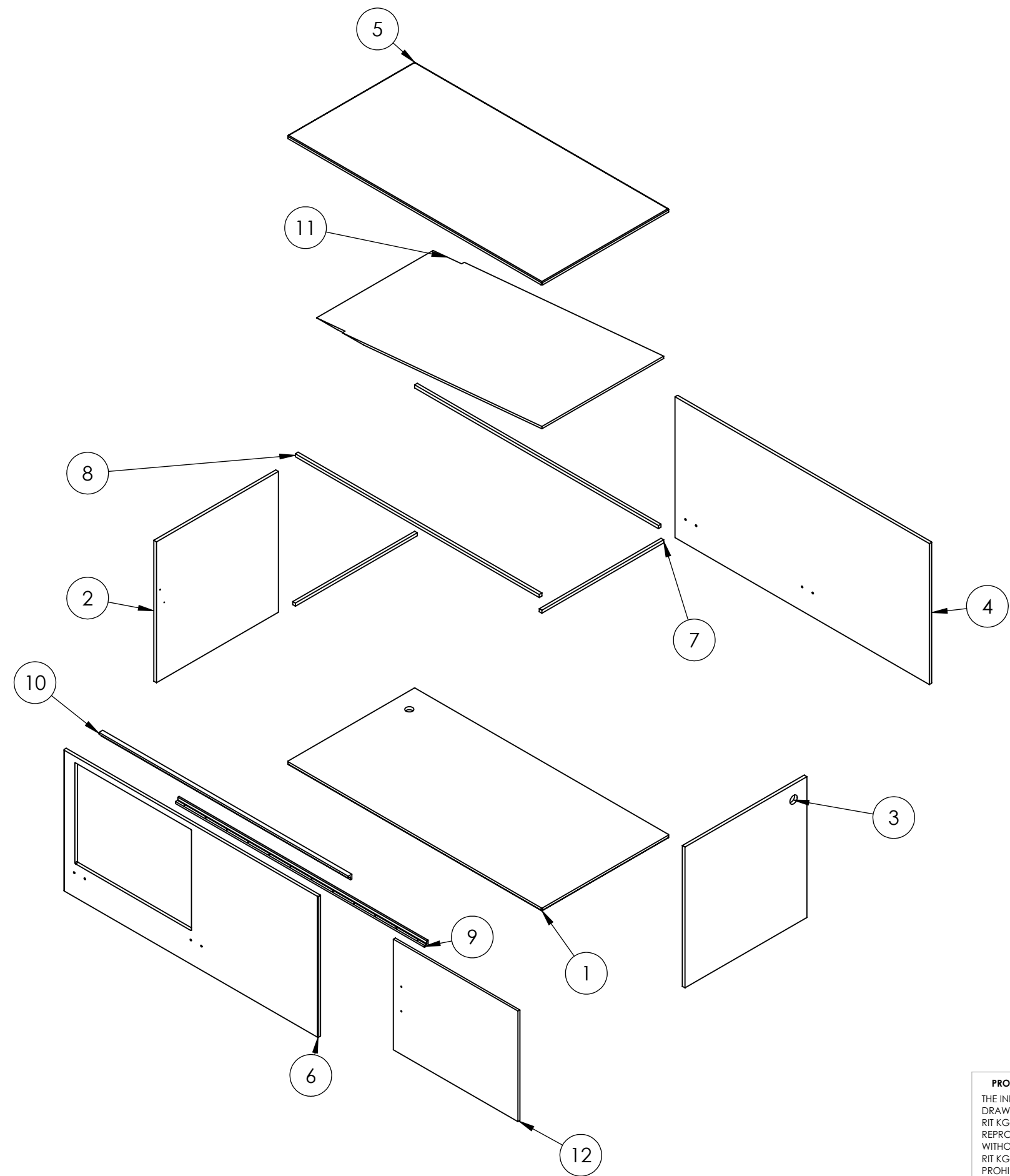
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	180001	Chamber_Base	1
2	180004	Chamber_Left_Side	1
3	180003	Chamber_R_Side	1
4	180002	Chamber_Back	1
5	180012	Chamber_Top	1
6	180008	Chamber_Front	1
7	180006	Short_Gusset	2
8	180005	Long_Gusset	2
9	180010	Lower_Door_Slide	1
10	180009	Upper_Door_Slide	1
11	180007	Chamber_Large_Slant_Plate	1
12	180011	Door_Aasm	1

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UNLESS OTHERWISE SPECIFIED:  
 DIMENSIONS ARE IN INCHES  
 TOLERANCES:  
 FRACTIONAL ±1/16  
 ANGULAR: MACH ±0.5 BEND ±  
 TWO PLACE DECIMAL ±0.01  
 THREE PLACE DECIMAL ±0.003  
 FOUR PLACE DECIMAL ±0.0005

INTERPRET GEOMETRIC TOLERANCING PER:  
 MATERIAL Polycarbonate  
 FINISH  
 DO NOT SCALE DRAWING

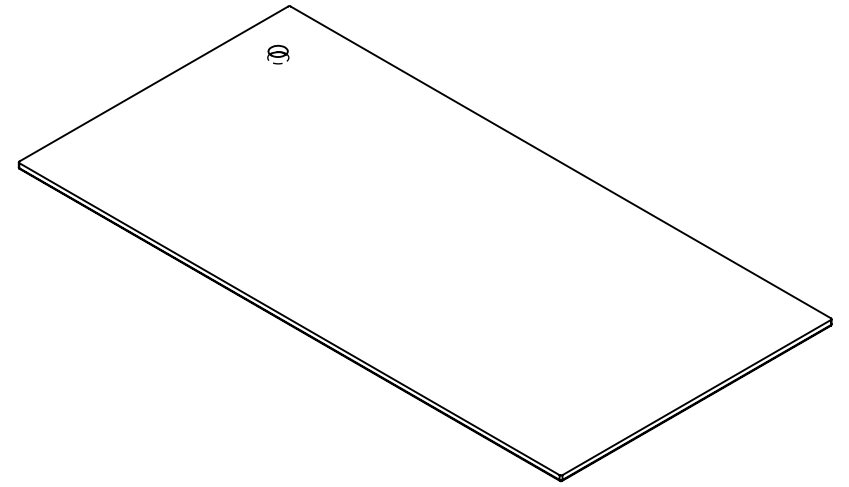
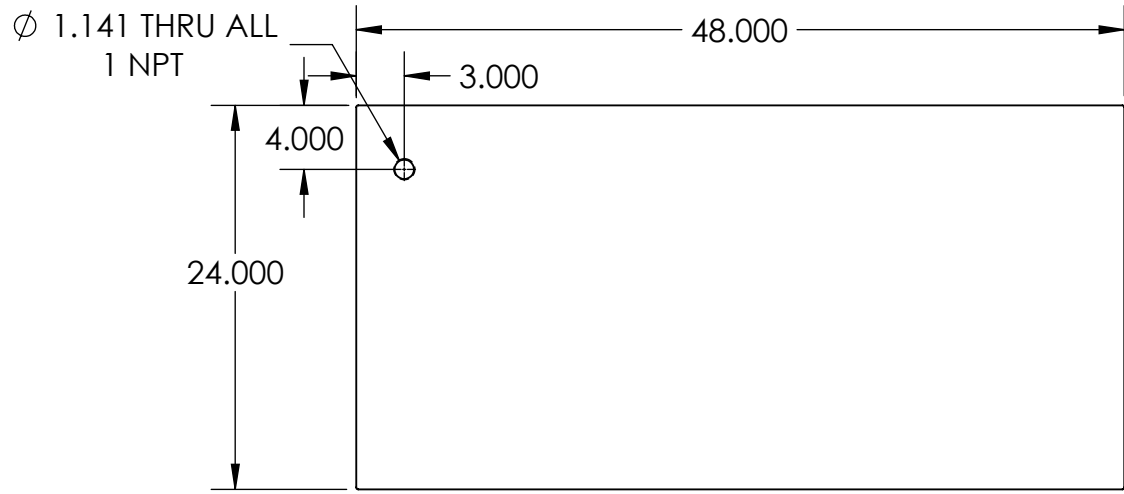
	NAME	DATE
DRAWN	B. Mowers	12/9/15
CHECKED		
ENG APPR.		
MFG APPR.		
Q.A.		
COMMENTS:	1. Break all edges	

TITLE:  
**Containment Chamber**

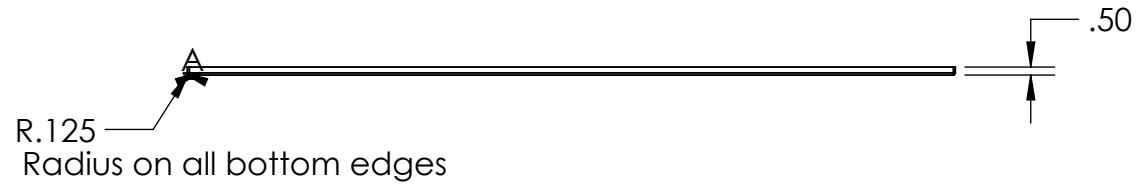
SIZE DWG. NO. REV  
**Mach Chamber\_Rev0**

SCALE: 1:12 WEIGHT: SHEET 1 OF 15

Rev	Change	Name	Date



DETAIL A  
SCALE 1 : 1



UNLESS OTHERWISE SPECIFIED:		NAME	DATE
DIMENSIONS ARE IN INCHES		DRAWN	B. Mowers 12/9/15
TOLERANCES:		CHECKED	
FRACTIONAL $\pm 1/16$		ENG APPR.	
ANGULAR: MACH $\pm 0.5$ BEND $\pm$		MFG APPR.	
TWO PLACE DECIMAL $\pm 0.01$		Q.A.	
THREE PLACE DECIMAL $\pm 0.003$		COMMENTS:	
FOUR PLACE DECIMAL $\pm 0.0005$		1. Break all edges	
INTERPRET GEOMETRIC TOLERANCING PER:			
MATERIAL			
Polycarbonate			
FINISH			
DO NOT SCALE DRAWING			

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TITLE:  
**Chamber\_Base**  
**P/N: 180001**

SIZE DWG. NO. REV  
**MaB Chamber\_Rev0**

SCALE: 1:12 WEIGHT: SHEET 2 OF 15

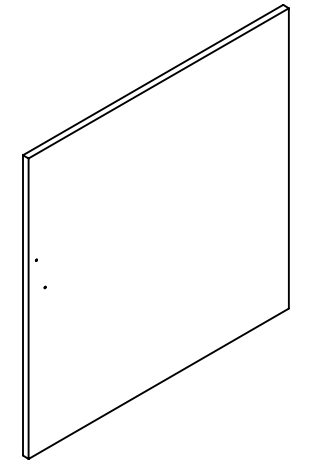
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Rev	Change	Name	Date
A	Door Interlock Holes Added	B.M.	12/15/15

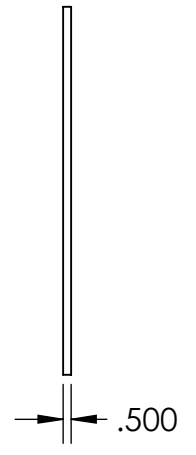
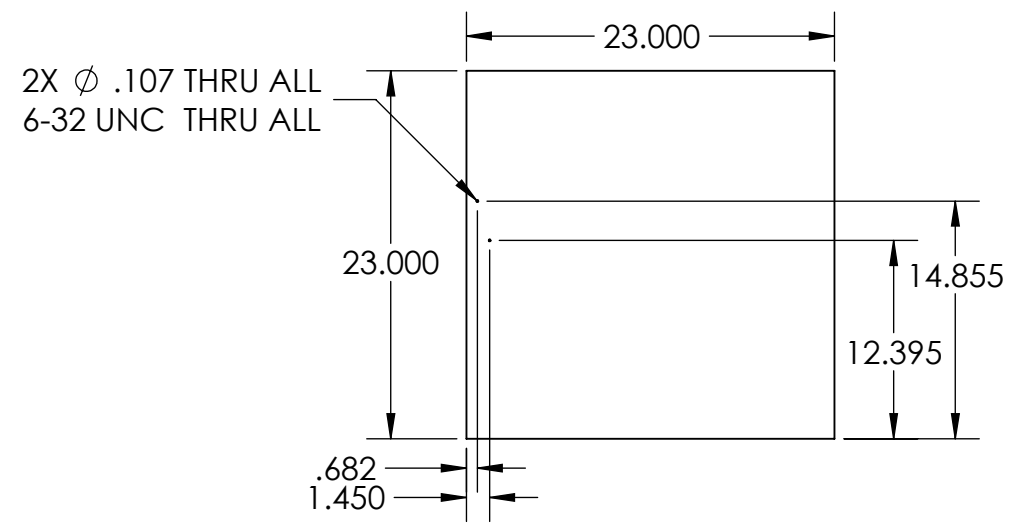


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UNLESS OTHERWISE SPECIFIED:		NAME	DATE
DIMENSIONS ARE IN INCHES		DRAWN	B. Mowers 12/9/15
TOLERANCES:		CHECKED	
FRACTIONAL ±1/16		ENG APPR.	
ANGULAR: MACH ±0.5 BEND ±		MFG APPR.	
TWO PLACE DECIMAL ±0.01		Q.A.	
THREE PLACE DECIMAL ±0.003		COMMENTS:	
FOUR PLACE DECIMAL ±0.0005		1. Break all edges	
INTERPRET GEOMETRIC TOLERANCING PER:	MATERIAL	SIZE	DWG. NO.
	Polycarbonate		
	FINISH		REV
DO NOT SCALE DRAWING		SCALE: 1:12	WEIGHT: SHEET 3 OF 15

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TITLE:  
**Left\_Side\_Panel**  
**P/N: 180004**

**Man Chamber\_Rev0**

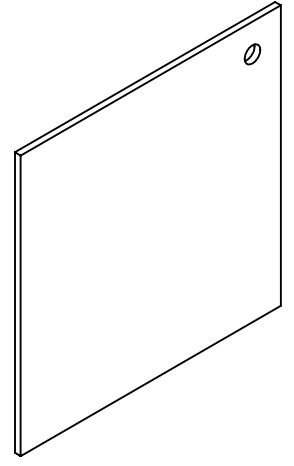
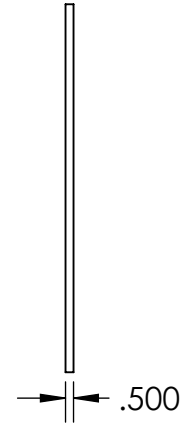
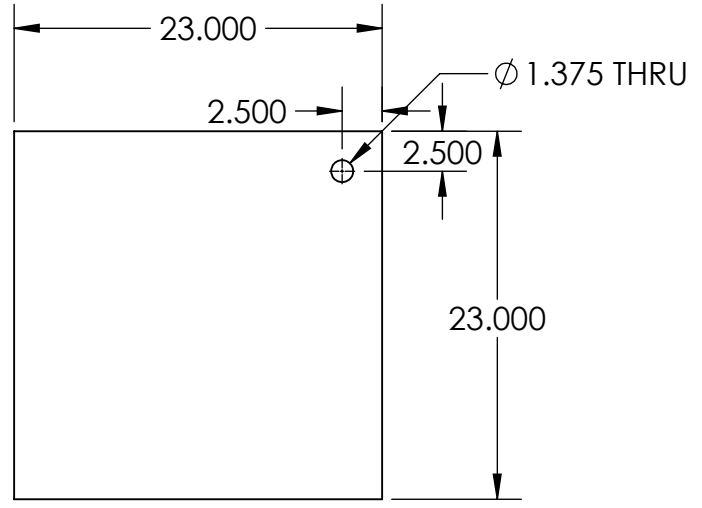
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Rev	Change	Name	Date



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UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE: <b>Chamber_Base</b> <b>P/N: 180001</b>
DIMENSIONS ARE IN INCHES		DRAWN	B. Mowers 12/9/15	
TOLERANCES:		CHECKED		
FRACTIONAL ±1/16		ENG APPR.		
ANGULAR: MACH ±0.5 BEND ±		MFG APPR.		REV
TWO PLACE DECIMAL ±0.01		Q.A.		
THREE PLACE DECIMAL ±0.003		COMMENTS:	1. Break all edges	SCALE: 1:12 WEIGHT: SHEET 4 OF 15
FOUR PLACE DECIMAL ±0.0005				
INTERPRET GEOMETRIC TOLERANCING PER:				SIZE DWG. NO.
MATERIAL				
Polycarbonate				REV
FINISH				
DO NOT SCALE DRAWING				

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**Man Chamber\_Rev0**

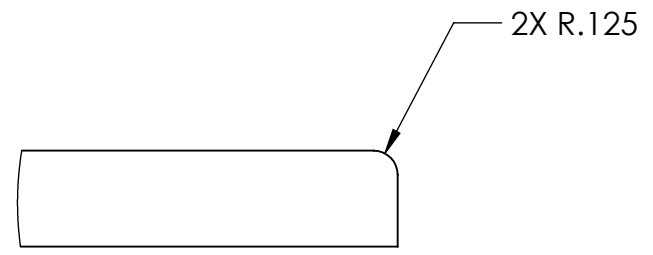
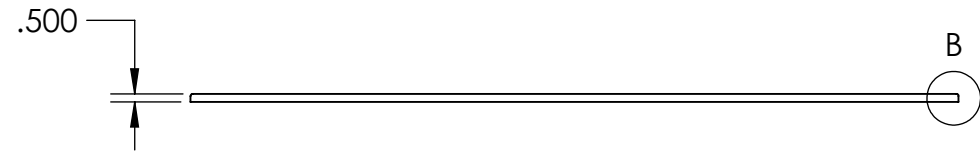
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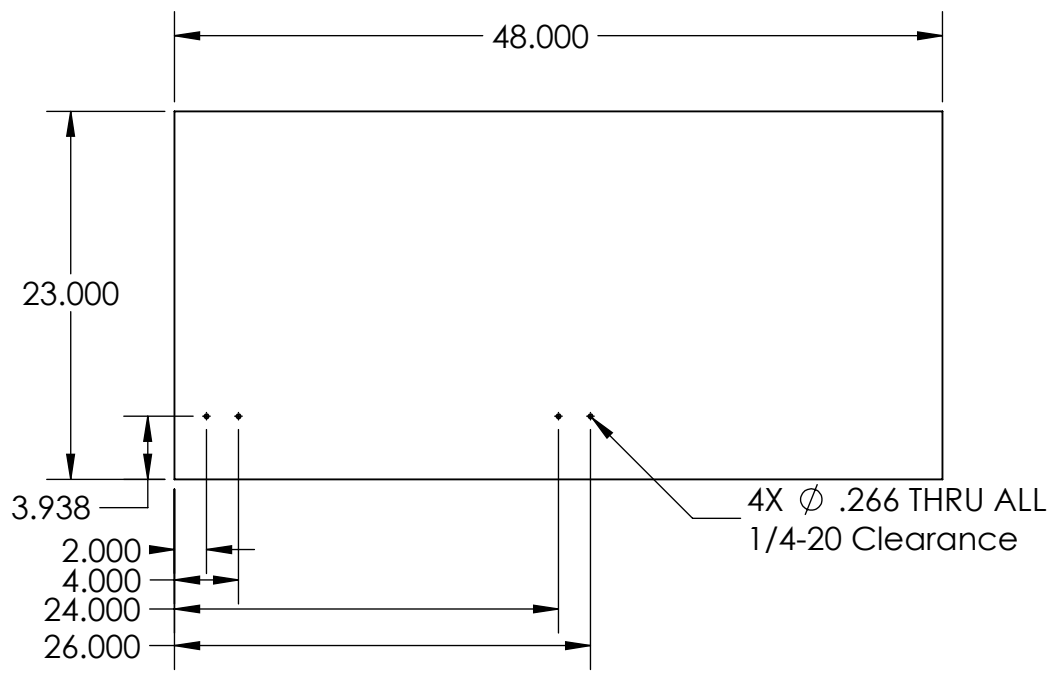
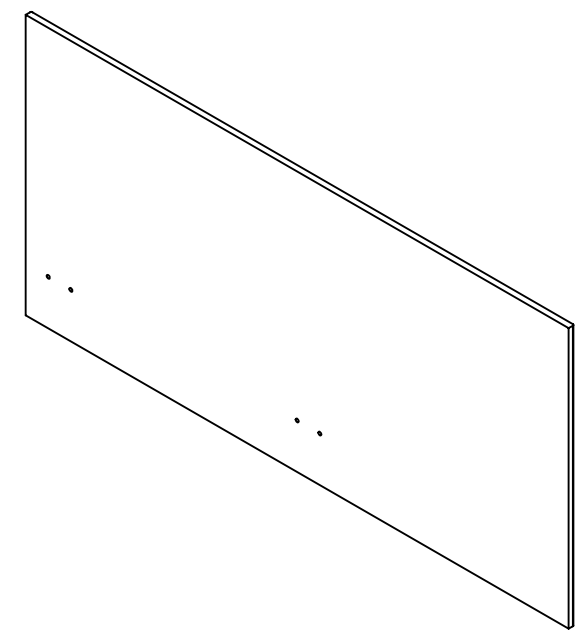
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Rev	Change	Name	Date



DETAIL B  
SCALE 1 : 1



UNLESS OTHERWISE SPECIFIED:		NAME	DATE
DIMENSIONS ARE IN INCHES		DRAWN	B. Mowers 12/9/15
TOLERANCES:		CHECKED	
FRACTIONAL ±1/16		ENG APPR.	
ANGULAR: MACH ±0.5 BEND ±		MFG APPR.	
TWO PLACE DECIMAL ±0.01		Q.A.	
THREE PLACE DECIMAL ±0.003		COMMENTS:	
FOUR PLACE DECIMAL ±0.0005		1. Break all edges	
INTERPRET GEOMETRIC TOLERANCING PER:	MATERIAL	SIZE	DWG. NO.
	Polycarbonate		
	FINISH		REV
DO NOT SCALE DRAWING		SCALE: 1:12	WEIGHT: SHEET 5 OF 15

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TITLE:  
**Chamber\_Back**  
**P/N: 180002**

**MaB Chamber\_Rev0**

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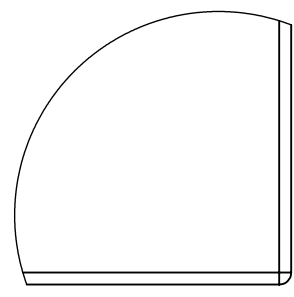
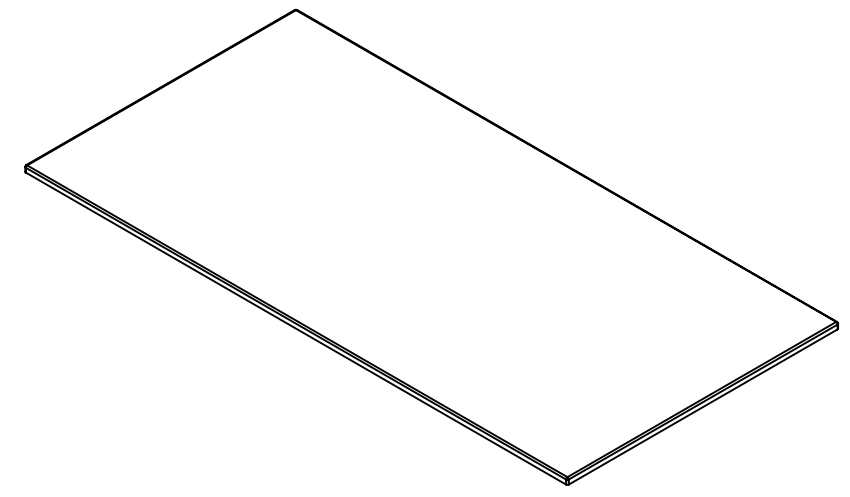
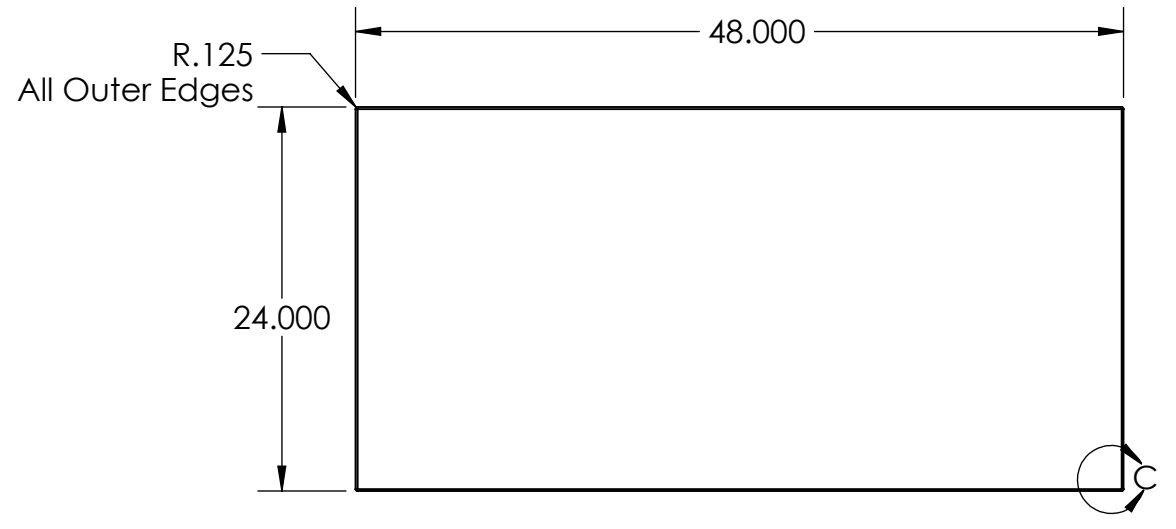
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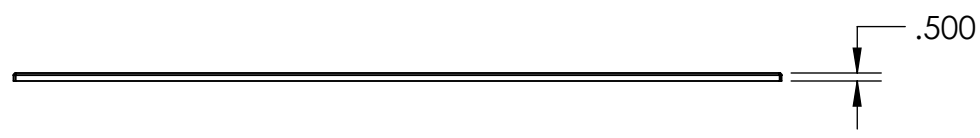
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Rev	Change	Name	Date



DETAIL C  
SCALE 1 : 2



UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN INCHES  
TOLERANCES:  
FRACTIONAL ±1/16  
ANGULAR: MACH ±0.5 BEND ±  
TWO PLACE DECIMAL ±0.01  
THREE PLACE DECIMAL ±0.003  
FOUR PLACE DECIMAL ±0.0005

INTERPRET GEOMETRIC  
TOLERANCING PER:

MATERIAL	Polycarbonate
FINISH	
DO NOT SCALE DRAWING	

	NAME	DATE
DRAWN	B. Mowers	12/9/15
CHECKED		
ENG APPR.		
MFG APPR.		
Q.A.		
COMMENTS:	1. Break all edges	

TITLE: <b>Chamber_Top</b> <b>P/N: 180012</b>		
SIZE	DWG. NO.	REV
SCALE: 1:12 WEIGHT:		SHEET 6 OF 15

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**Mach Chamber\_Rev0**

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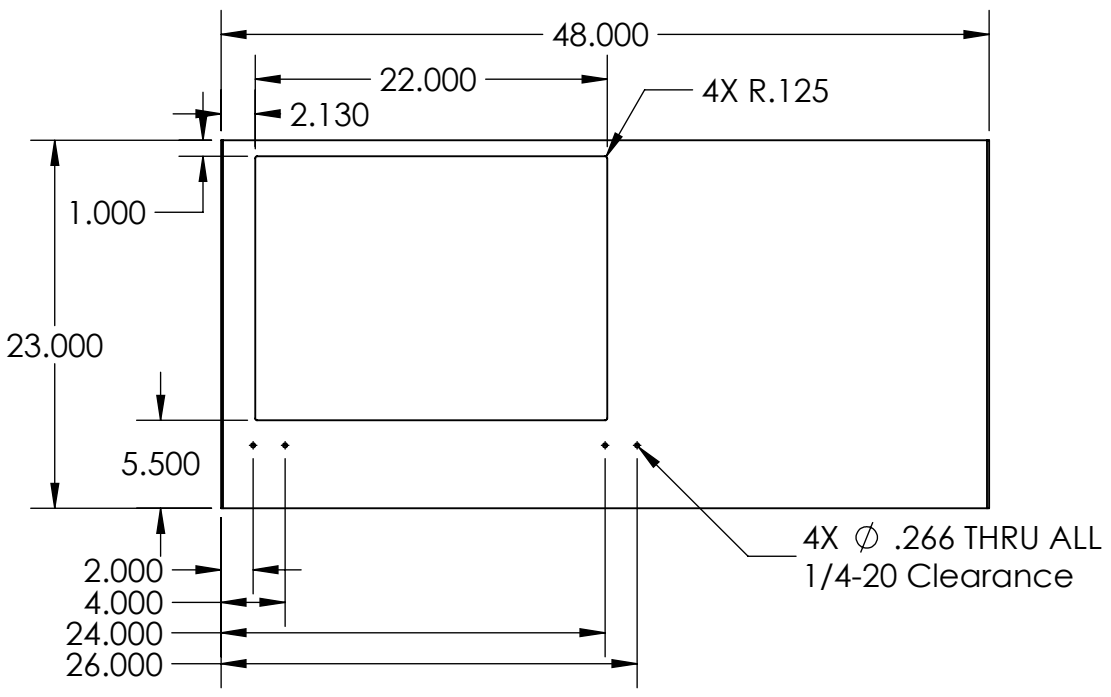
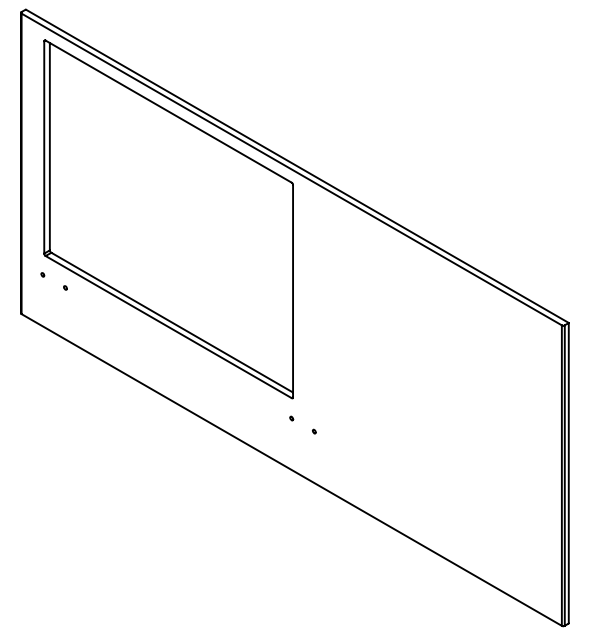
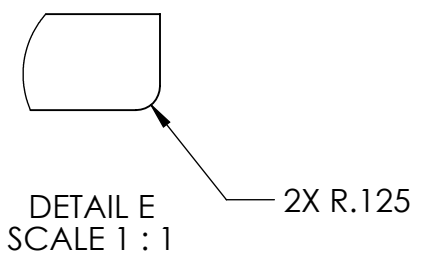
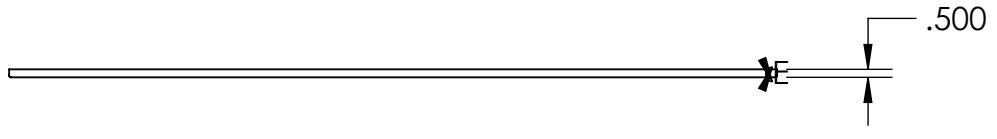
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Rev	Change	Name	Date



UNLESS OTHERWISE SPECIFIED:  
 DIMENSIONS ARE IN INCHES  
 TOLERANCES:  
 FRACTIONAL ±1/16  
 ANGULAR: MACH ±0.5 BEND ±  
 TWO PLACE DECIMAL ±0.01  
 THREE PLACE DECIMAL ±0.003  
 FOUR PLACE DECIMAL ±0.0005

	NAME	DATE
DRAWN	B. Mowers	12/15/15
CHECKED		
ENG APPR.		
MFG APPR.		

TITLE:  
**Chamber\_Front**  
**P/N: 180008**

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INTERPRET GEOMETRIC TOLERANCING PER:
MATERIAL Polycarbonate
FINISH
DO NOT SCALE DRAWING

COMMENTS:  
 1. Break all edges

SIZE	DWG. NO.	REV
SCALE: 1:12	WEIGHT:	SHEET 7 OF 15

**Man Chamber\_Rev0**

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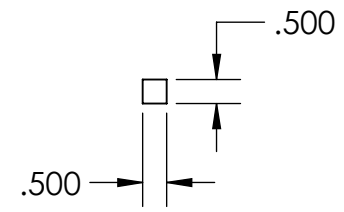
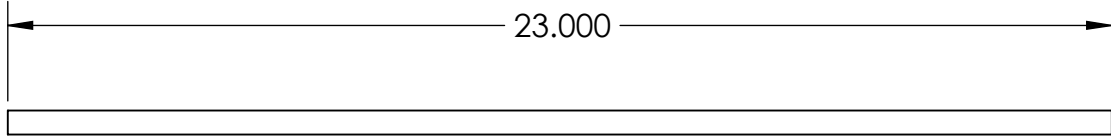
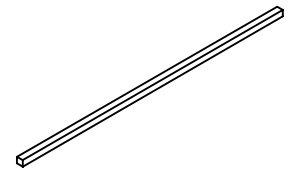
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Rev	Change	Name	Date



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Note:  
1. Scale 1:4

UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN INCHES  
TOLERANCES:  
FRACTIONAL ±1/16  
ANGULAR: MACH ±0.5 BEND ±  
TWO PLACE DECIMAL ±0.01  
THREE PLACE DECIMAL ±0.003  
FOUR PLACE DECIMAL ±0.0005

INTERPRET GEOMETRIC  
TOLERANCING PER:

MATERIAL  
Polycarbonate

FINISH

DO NOT SCALE DRAWING

	NAME	DATE
DRAWN	B. Mowers	12/15/15
CHECKED		
ENG APPR.		
MFG APPR.		
Q.A.		

COMMENTS:  
1. Break all edges

TITLE:  
**Short\_Gusset**  
**P/N: 180006**

SIZE	DWG. NO.	REV

SCALE: 1:12 WEIGHT: SHEET 8 OF 15

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**Man Chamber\_Rev0**

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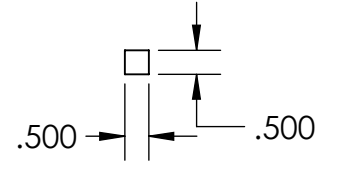
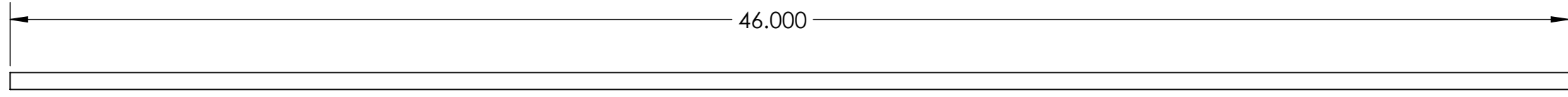
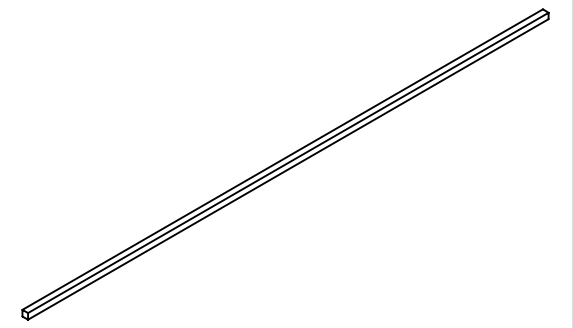
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Rev	Change	Name	Date



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Note:  
1. Scale 1:4

UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN INCHES  
TOLERANCES:  
FRACTIONAL ±1/16  
ANGULAR: MACH ±0.5 BEND ±  
TWO PLACE DECIMAL ±0.01  
THREE PLACE DECIMAL ±0.003  
FOUR PLACE DECIMAL ±0.0005

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INTERPRET GEOMETRIC TOLERANCING PER:  
MATERIAL Polycarbonate  
FINISH  
DO NOT SCALE DRAWING

	NAME	DATE
DRAWN	B. Mowers	12/15/15
CHECKED		
ENG APPR.		
MFG APPR.		
Q.A.		
COMMENTS:	1. Break all edges	

TITLE: <b>Long_Gusset</b> <b>P/N: 180005</b>		
SIZE	DWG. NO.	REV
Magn	180005	0
SCALE: 1:12	WEIGHT:	SHEET 9 OF 15

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**Magn Chamber\_Rev0**

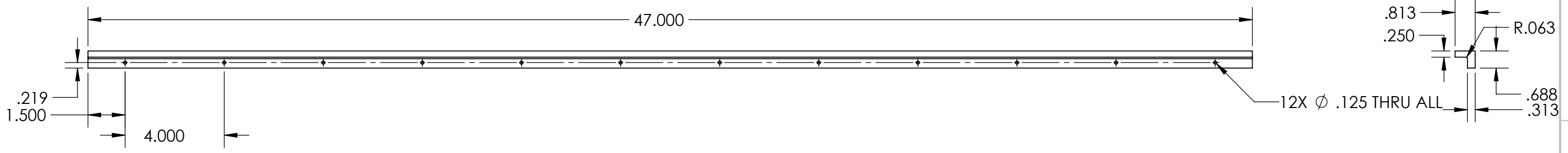
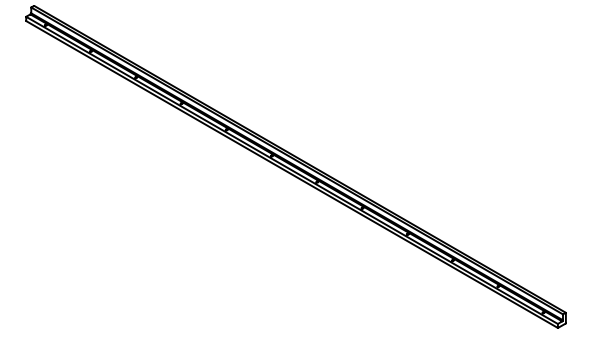
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Rev	Change	Name	Date



Note:  
 1. Scale 1:4  
 2. Pattern holes with 4" center-to-center

UNLESS OTHERWISE SPECIFIED:		NAME	DATE
DIMENSIONS ARE IN INCHES		DRAWN	B. Mowers 12/15/15
TOLERANCES:		CHECKED	
FRACTIONAL ±1/16		ENG APPR.	
ANGULAR: MACH ±0.5 BEND ±		MFG APPR.	
TWO PLACE DECIMAL ±0.01		Q.A.	
THREE PLACE DECIMAL ±0.003		COMMENTS:	
FOUR PLACE DECIMAL ±0.0005		1. Break all edges	
INTERPRET GEOMETRIC TOLERANCING PER:			
MATERIAL	Polycarbonate		
FINISH			
DO NOT SCALE DRAWING			

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TITLE:  
**Lower\_Door\_Track**  
**P/N: 180010**

SIZE DWG. NO. REV  
**Mach Chamber\_Rev0**

SCALE: 1:12 WEIGHT: SHEET 10 OF 15

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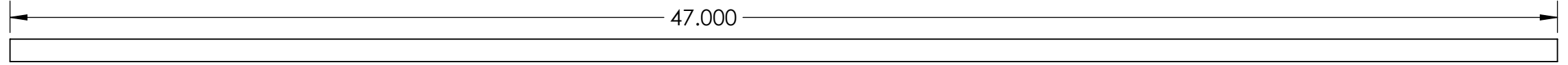
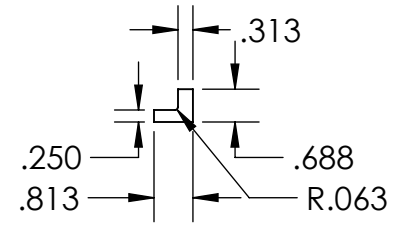
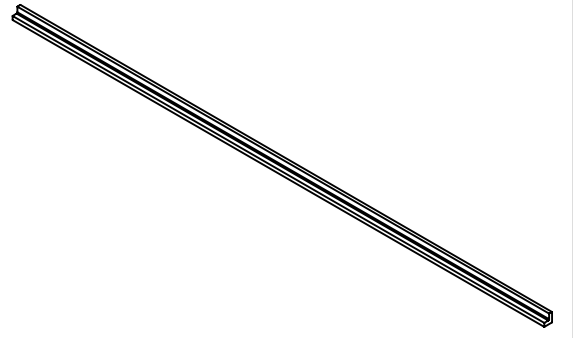
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Rev	Change	Name	Date



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Note:  
1. Scale 1:4

UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE: <b>Upper_Door_Slide</b> <b>P/N: 180009</b>
DIMENSIONS ARE IN INCHES		DRAWN	B. Mowers 12/15/15	
TOLERANCES:		CHECKED		
FRACTIONAL ±1/16		ENG APPR.		
ANGULAR: MACH ±0.5 BEND ±		MFG APPR.		REV <b>0</b>
TWO PLACE DECIMAL ±0.01		Q.A.		
THREE PLACE DECIMAL ±0.003		COMMENTS:	1. Break all edges	SIZE
FOUR PLACE DECIMAL ±0.0005		MATERIAL Polycarbonate	FINISH	DWG. NO.
INTERPRET GEOMETRIC TOLERANCING PER:				SCALE: 1:12
MATERIAL		DO NOT SCALE DRAWING		SHEET 11 OF 15

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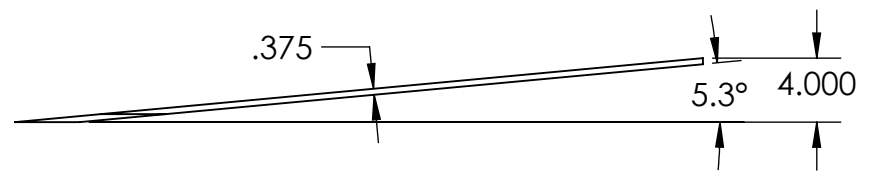
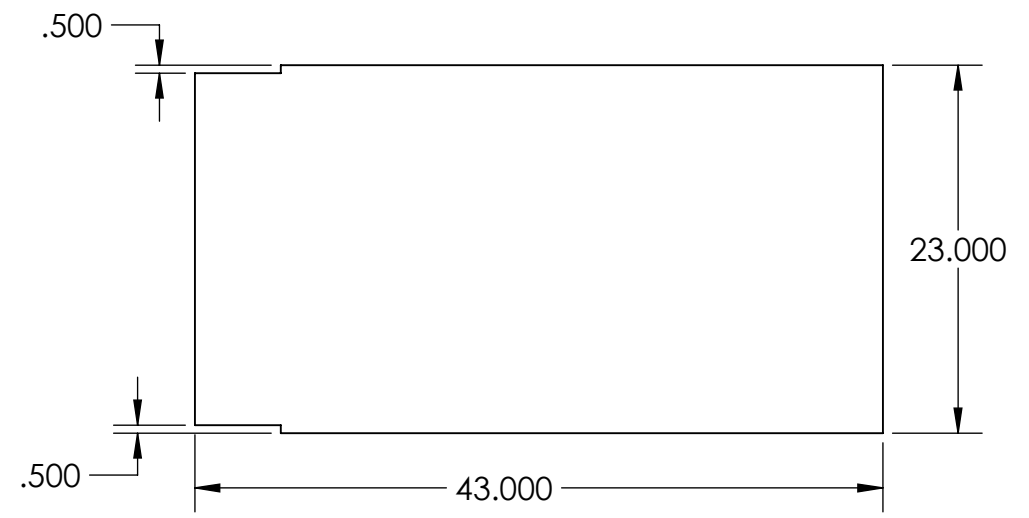
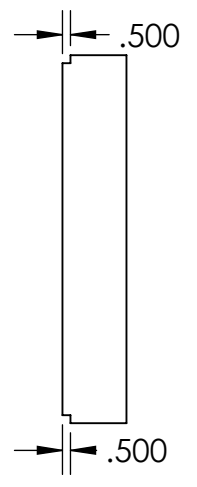
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Rev	Change	Name	Date



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UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN INCHES  
 TOLERANCES:  
 FRACTIONAL ±1/16  
 ANGULAR: MACH ±0.5 BEND ±  
 TWO PLACE DECIMAL ±0.01  
 THREE PLACE DECIMAL ±0.003  
 FOUR PLACE DECIMAL ±0.0005

INTERPRET GEOMETRIC TOLERANCING PER:

MATERIAL Polycarbonate

FINISH

DO NOT SCALE DRAWING

NAME	DATE
B. Mowers	12/15/15

DRAWN

CHECKED

ENG APPR.

MFG APPR.

Q.A.

COMMENTS:

1. Break all edges

TITLE:  
**Slant\_Plate**  
**P/N: 180007**

SIZE	DWG. NO.	REV

**Mach Chamber\_Rev0**

SCALE: 1:12 WEIGHT:

SHEET 12 OF 15

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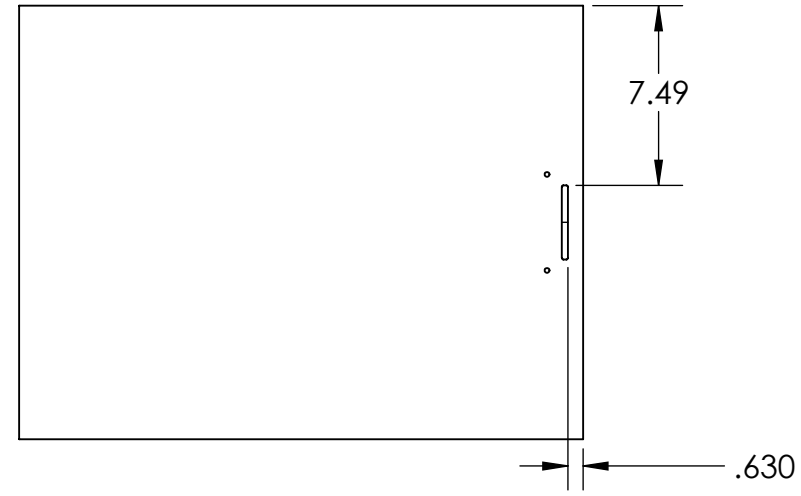
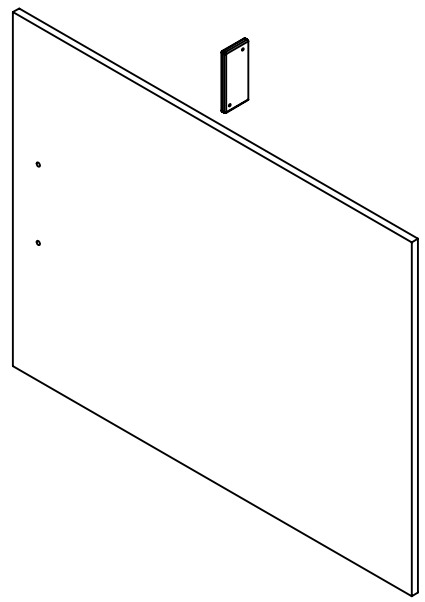
3

2

1

Rev	Change	Name	Date

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	180011.1	Chamber_Door	1
2	180011.2	Door_Interlock_Lock_Mount	1



Note:  
 1. Scale 1:8  
 2. Pre-assemble before installing in chamber

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UNLESS OTHERWISE SPECIFIED:  
 DIMENSIONS ARE IN INCHES  
 TOLERANCES:  
 FRACTIONAL ±1/16  
 ANGULAR: MACH ±0.5 BEND ±  
 TWO PLACE DECIMAL ±0.01  
 THREE PLACE DECIMAL ±0.003  
 FOUR PLACE DECIMAL ±0.0005

INTERPRET GEOMETRIC TOLERANCING PER:  
 MATERIAL Polycarbonate  
 FINISH  
 DO NOT SCALE DRAWING

	NAME	DATE
DRAWN	B. Mowers	12/15/15
CHECKED		
ENG APPR.		
MFG APPR.		
Q.A.		
COMMENTS:	1. Break all edges	

TITLE:  
**Door\_Subassembly**  
**P/N: 180011**

SIZE DWG. NO. REV  
**Man Chamber\_Rev0**

SCALE: 1:12 WEIGHT: SHEET 13 OF 15

4

3

2

1

B

B

A

A

4

3

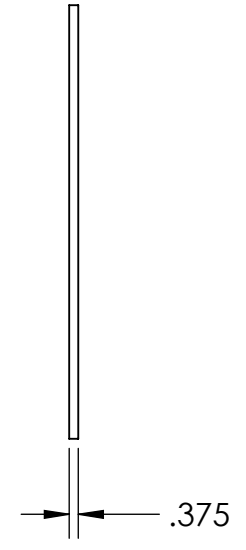
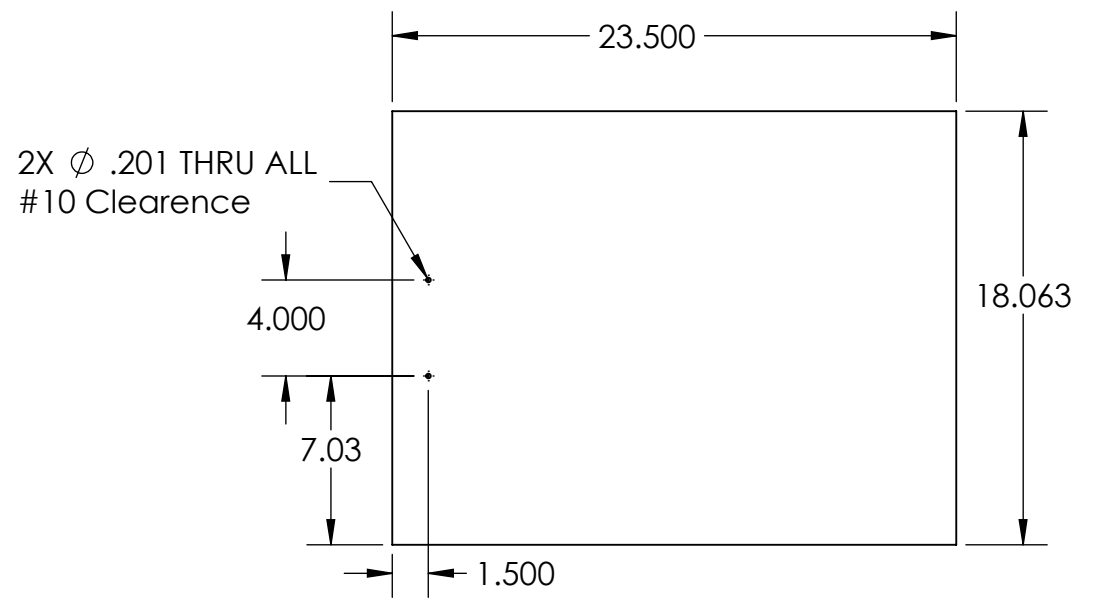
2

1

Rev	Change	Name	Date

B

B



A

A

Note:  
 1. Scale 1:8  
 2. Pre-assemble before installing in chamber

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UNLESS OTHERWISE SPECIFIED:	
DIMENSIONS ARE IN INCHES	
TOLERANCES:	
FRACTIONAL ±1/16	
ANGULAR: MACH ±0.5 BEND ±	
TWO PLACE DECIMAL ±0.01	
THREE PLACE DECIMAL ±0.003	
FOUR PLACE DECIMAL ±0.0005	
INTERPRET GEOMETRIC TOLERANCING PER:	
MATERIAL	Polycarbonate
FINISH	
DO NOT SCALE DRAWING	

	NAME	DATE
DRAWN	B. Mowers	12/15/15
CHECKED		
ENG APPR.		
MFG APPR.		
Q.A.		
COMMENTS:		
1. Break all edges		

TITLE:		
Chamber_Door		
P/N: 180011.1		
SIZE	DWG. NO.	REV
Magn Chamber		Rev0
SCALE: 1:12 WEIGHT:		SHEET 14 OF 15

4

3

2

1

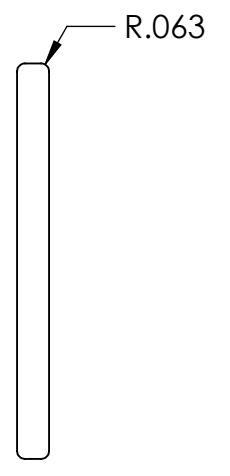
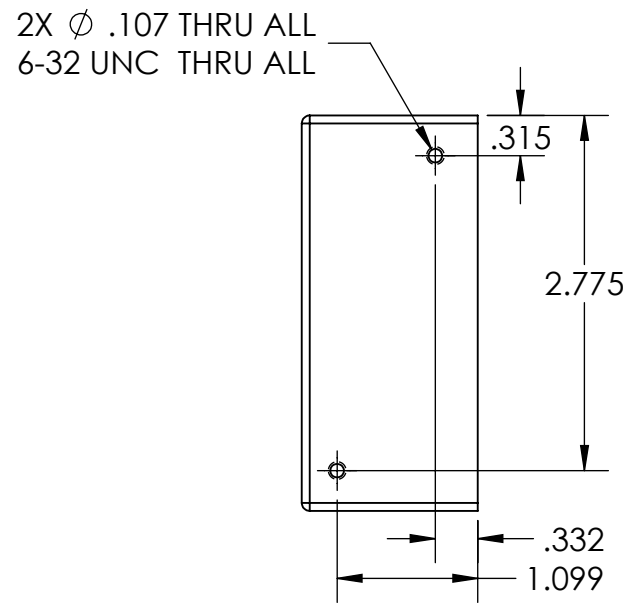
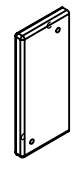
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3

2

1

Rev	Change	Name	Date



Note:  
 1. Scale 2:3  
 2. Do NOT radius mating face  
 3. Pre-assemble before installing in chamber

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UNLESS OTHERWISE SPECIFIED:  
 DIMENSIONS ARE IN INCHES  
 TOLERANCES:  
 FRACTIONAL ±1/16  
 ANGULAR: MACH ±0.5 BEND ±  
 TWO PLACE DECIMAL ±0.01  
 THREE PLACE DECIMAL ±0.003  
 FOUR PLACE DECIMAL ±0.0005

INTERPRET GEOMETRIC TOLERANCING PER:  
 MATERIAL Polycarbonate  
 FINISH  
 DO NOT SCALE DRAWING

	NAME	DATE
DRAWN	B. Mowers	12/15/15
CHECKED		
ENG APPR.		
MFG APPR.		
Q.A.		
COMMENTS:	1. Break all edges	

TITLE:  
**Interlock\_Tab**  
**P/N: 180011.2**

SIZE DWG. NO. REV  
**Mab Chamber\_Rev0**

4

3

2

1

B

B

A

A