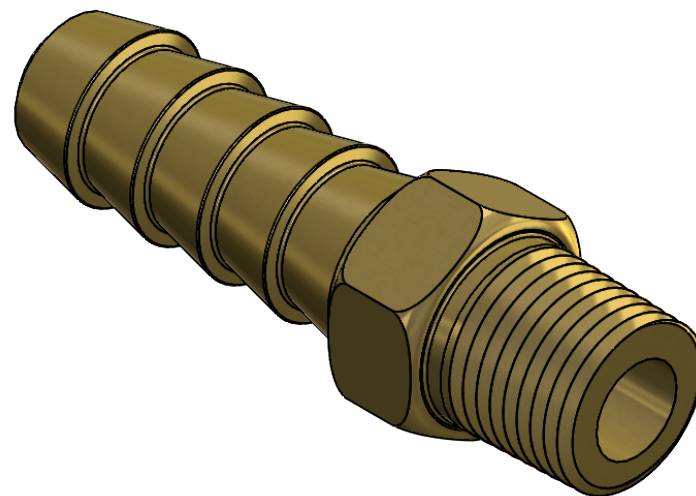
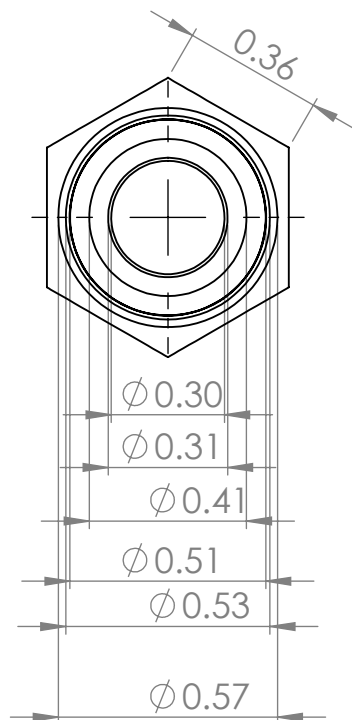
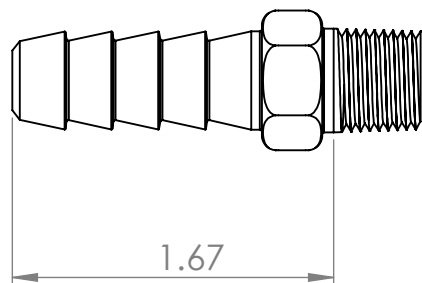


UNLESS OTHERWISE SPECIFIED:		NAME		DATE		TITLE: <b>.5 NPT hermatic Valve</b>	
DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± ANGULAR: MACH ±    BEND ± TWO PLACE DECIMAL    ± THREE PLACE DECIMAL    ±	DRAWN	Ahmad ALthomali		11/20			
	CHECKED						
	ENG APPR.						
	MFG APPR.						
INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.					SIZE    DWG. NO.    REV <b>A</b> <b>1</b>	
MATERIAL                    Brass	This part was downloaded from GrabCad						
FINISH							
DO NOT SCALE DRAWING							
		SCALE: 1:1		WEIGHT:		SHEET 1 OF 1	

B



B

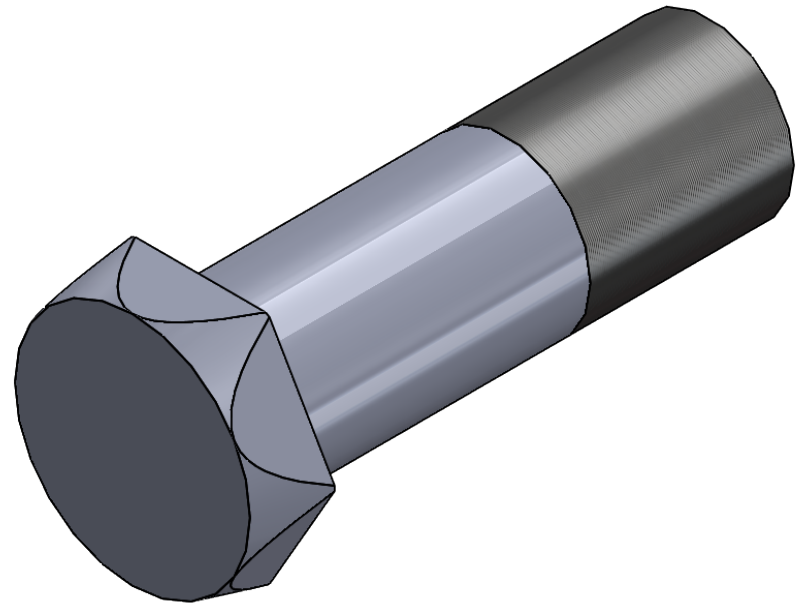
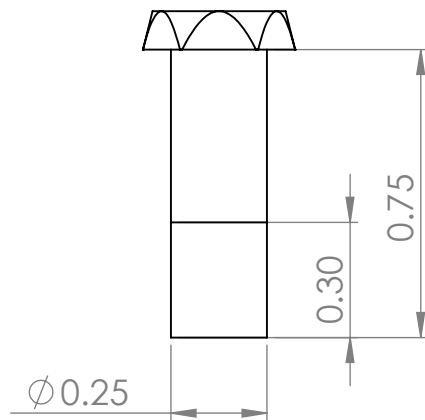
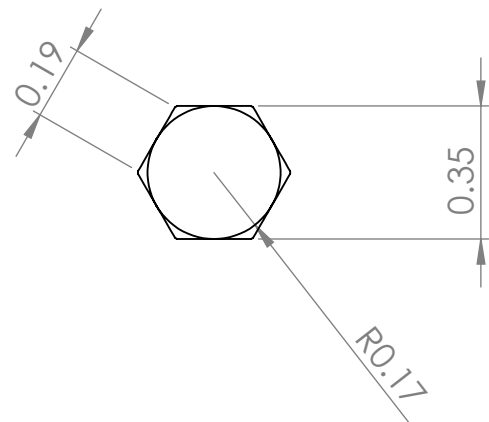
A

UNLESS OTHERWISE SPECIFIED:  DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± ANGULAR: MACH ±    BEND ± TWO PLACE DECIMAL    ± THREE PLACE DECIMAL    ±  INTERPRET GEOMETRIC TOLERANCING PER:  MATERIAL    Brass  FINISH  DO NOT SCALE DRAWING		NAME	DATE	TITLE:  <b>1¼ NPT Air Valve</b>		
	DRAWN	Ahmad Althomali	11/20			
	CHECKED					
	ENG APPR.					
	MFG APPR.					
	Q.A.			SIZE    DWG. NO.    REV  <b>A</b> 2		
COMMENTS:  <b>This Part was downloaded from GrabCad</b>						
				SCALE: 2:1	WEIGHT:	SHEET 1 OF 1

A

2

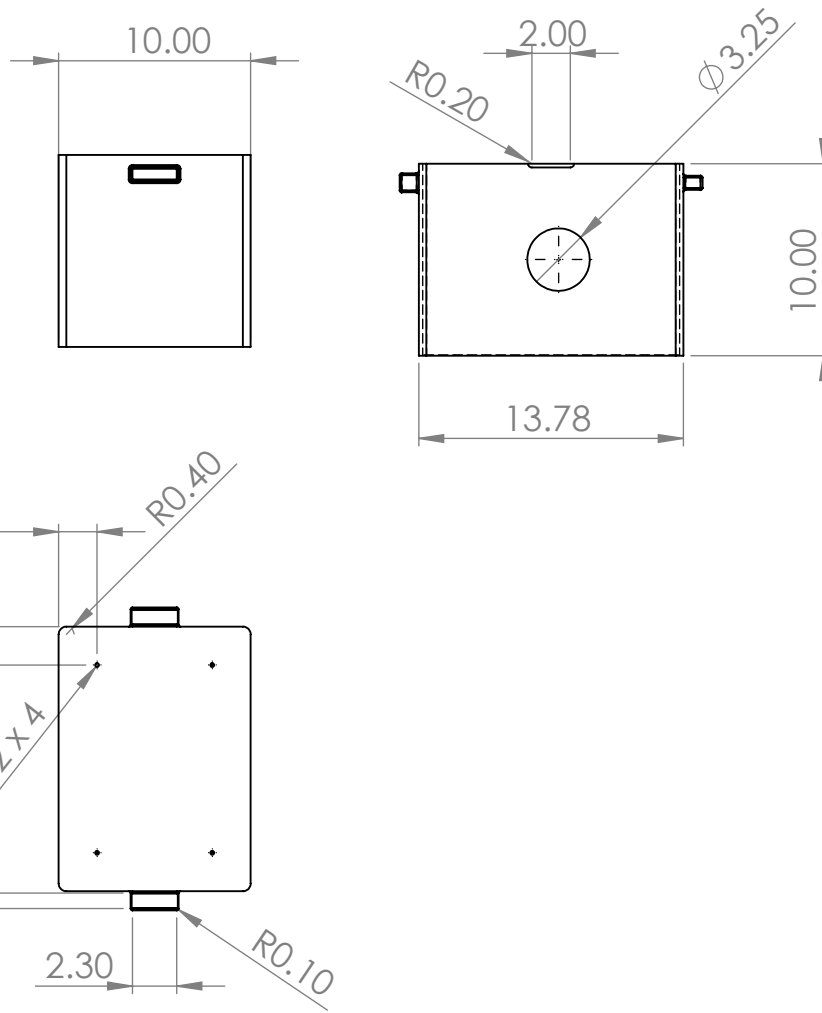
1



UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE:  <div>BOLT</div>		
DIMENSIONS ARE IN INCHES TOLERANCES: ± 0.01 FRACTIONAL ± ANGULAR: MACH ±    BEND ± TWO PLACE DECIMAL    ± THREE PLACE DECIMAL    ±	DRAWN	Ahmad Althomali	11/15			
	CHECKED					
	ENG APPR.					
	MFG APPR.					
INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.			SIZE    DWG. NO.    REV <div>A</div> 12    1		
MATERIAL    Steel	COMMENTS:					
FINISH						
				SCALE: 2:1		SHEET 1 OF 1

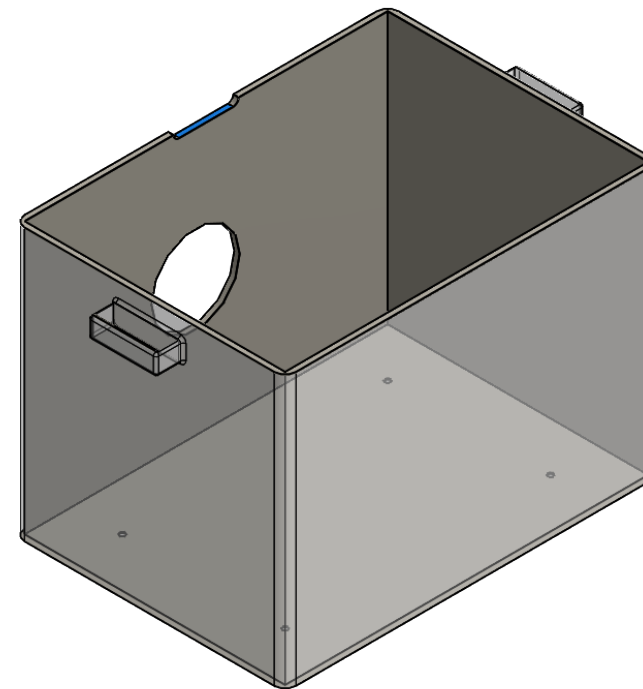
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B

A

UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE:  <b>COOLER</b>	
DIMENSIONS ARE IN INCHES		DRAWN	Ahmad Althomali		
TOLERANCES:		CHECKED			
FRACTIONAL ±		ENG APPR.			
ANGULAR: MACH ± BEND ±		MFG APPR.			
TWO PLACE DECIMAL ±		Q.A.		SIZE <b>A</b> DWG. NO. <b>13</b> REV <b>2</b>	
THREE PLACE DECIMAL ±		COMMENTS:			
INTERPRET GEOMETRIC TOLERANCING PER:				SCALE: 1:10 SHEET 1 OF 1	
MATERIAL Plastic with foam					
FINISH					

B

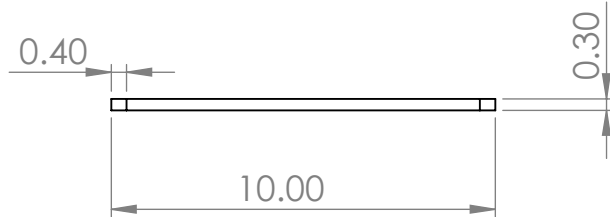
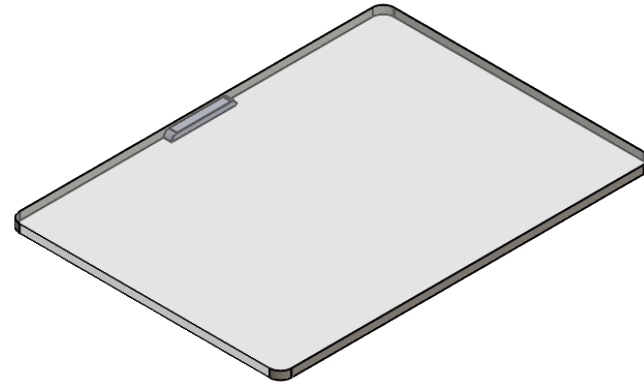
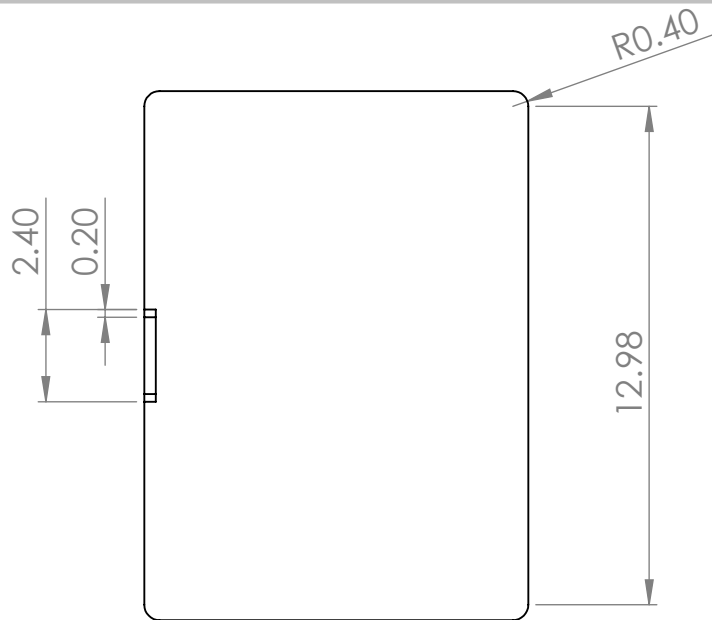
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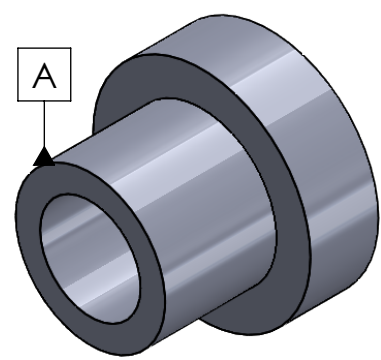
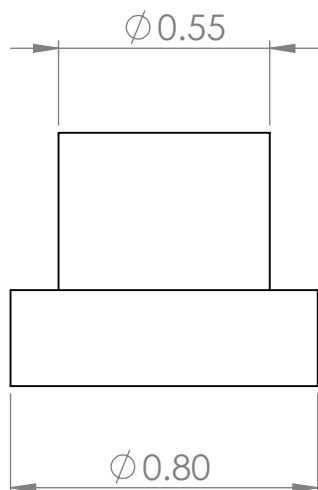
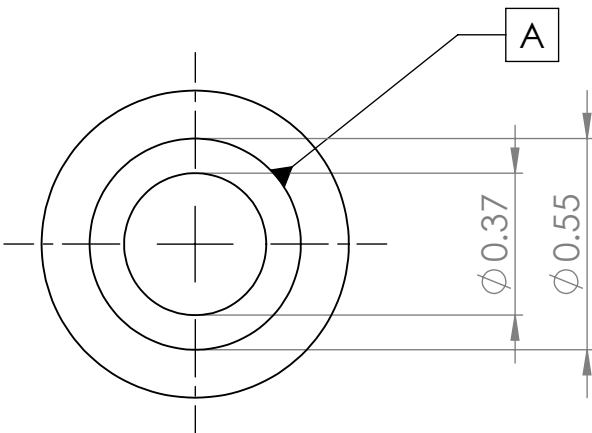
A



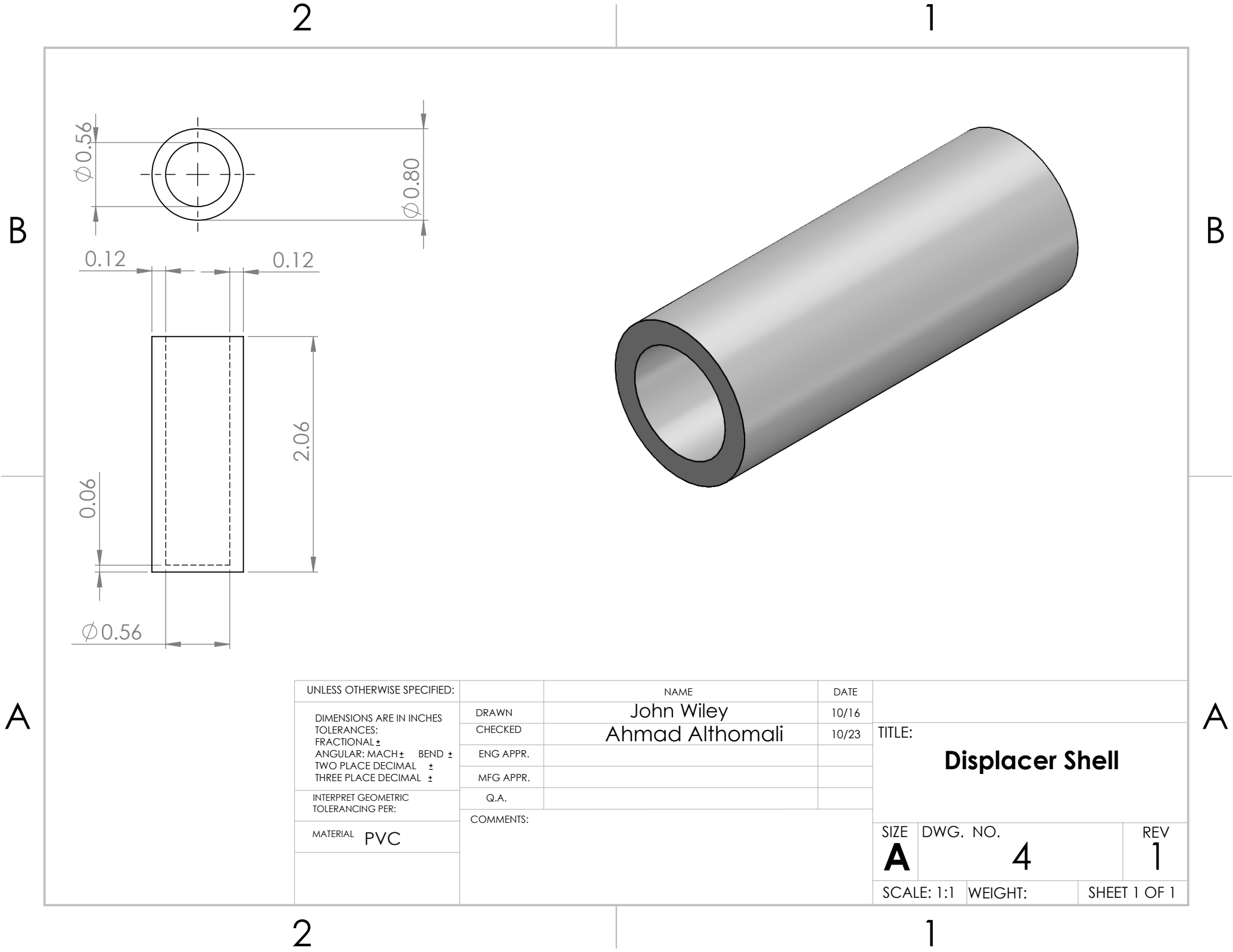
UNLESS OTHERWISE SPECIFIED:		NAME		DATE		TITLE:  <b>Cooler Cap</b>			
DIMENSIONS ARE IN INCHES TOLERANCES: ± 0.01 FRACTIONAL ± ANGULAR: MACH ±    BEND ± TWO PLACE DECIMAL    ± THREE PLACE DECIMAL    ±	DRAWN	Ahmad Althomali		11/19					
	CHECKED								
	ENG APPR.								
	MFG APPR.								
INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.								
MATERIAL <b>Plastic</b>	COMMENTS:					SIZE <b>A</b>	DWG. NO. <b>14</b>		REV <b>1</b>
FINISH						SCALE: 1:5		SHEET 1 OF 1	

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1



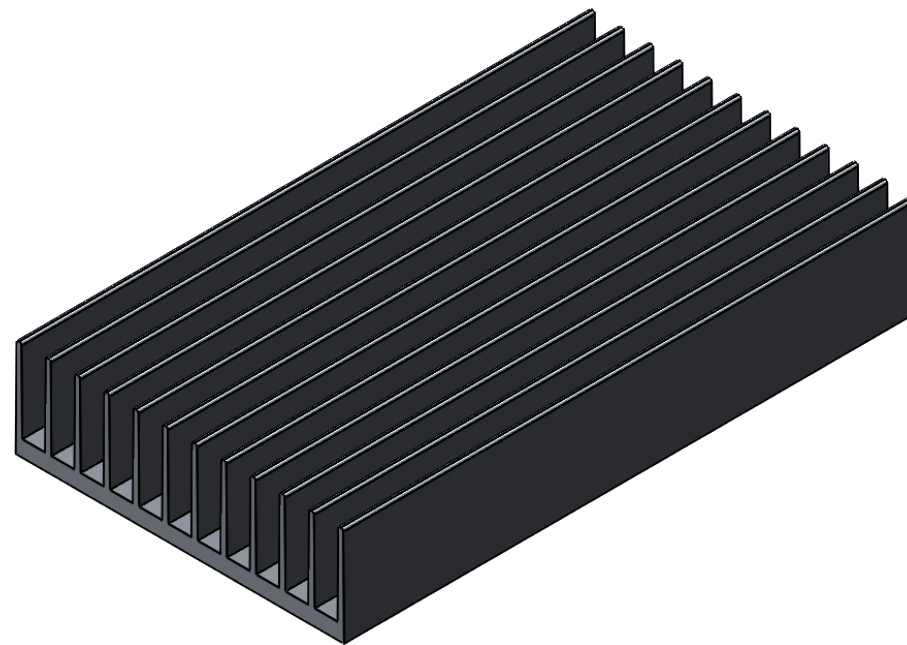
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL $\pm 0.1$ ANGULAR: MACH $\pm$ BEND $\pm$ TWO PLACE DECIMAL $\pm$ THREE PLACE DECIMAL $\pm$		NAME	DATE	TITLE:  <b>Displacer Plug</b>		
	DRAWN	John Wiley	10/16			
	CHECKED	Ahmad Althomali	10/23			
	ENG APPR.					
	MFG APPR.					
	Q.A.					
MATERIAL  Aluminum	COMMENTS:			SIZE	DWG. NO.	REV
				<b>A</b>	<b>3</b>	
				SCALE: 2:1	WEIGHT:	SHEET 1 OF 1



UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE:  <b>Displacer Shell</b>		
DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± ANGULAR: MACH ±    BEND ± TWO PLACE DECIMAL    ± THREE PLACE DECIMAL    ±	DRAWN	John Wiley	10/16			
	CHECKED	Ahmad Althomali	10/23			
	ENG APPR.					
	MFG APPR.					
INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.			SIZE   DWG. NO.   REV <b>A</b> <b>4</b> <b>1</b>		
MATERIAL    PVC	COMMENTS:					
				SCALE: 1:1	WEIGHT:	SHEET 1 OF 1

1

B

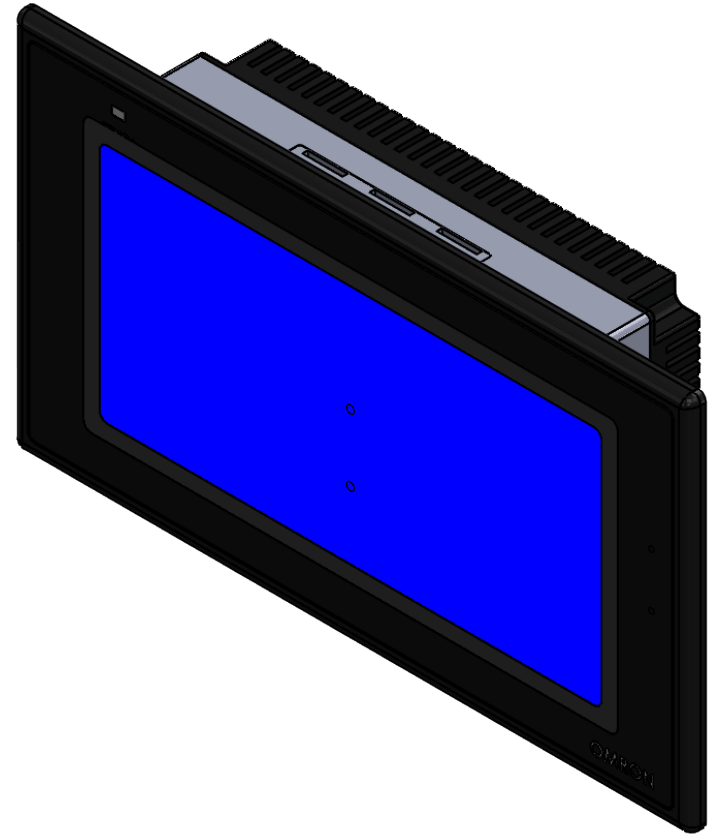
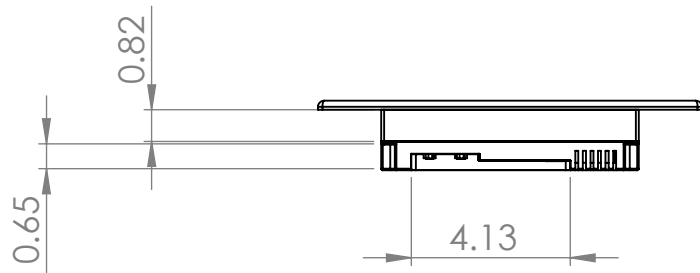
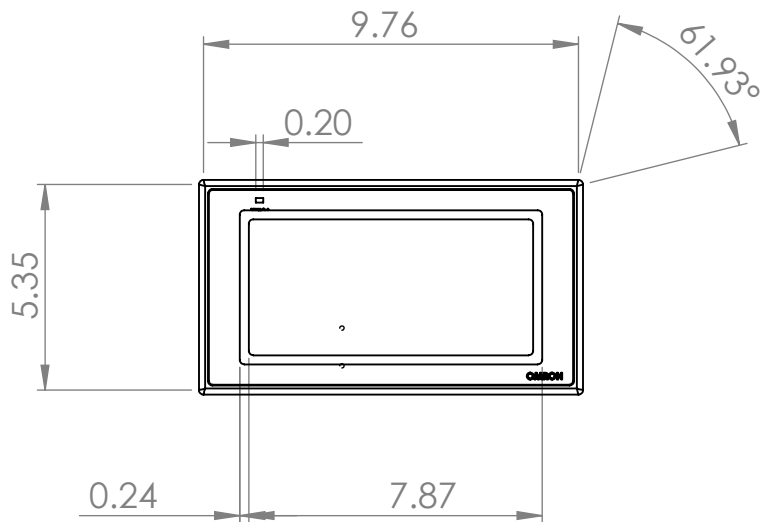


A

TITLE:		
HEAT SINK		
SIZE	DWG. NO.	REV
<b>A</b>	<b>16</b>	<b>1</b>
SCALE: 1:5		SHEET 1 OF



B



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A

UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE:  <div>HMI</div>		
DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± ANGULAR: MACH ±    BEND ± TWO PLACE DECIMAL    ± THREE PLACE DECIMAL    ±	DRAWN	Ahmad Althomali	11/18			
	CHECKED					
	ENG APPR.					
	MFG APPR.					
INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.			SIZE    DWG. NO.    REV <div>A</div> <div>17</div> <div>2</div>		
MATERIAL	COMMENTS: <div>This Part was downloaded and modified from GrabCad WebSite</div>					
		SCALE: 1:2		SHEET 1 OF 1		

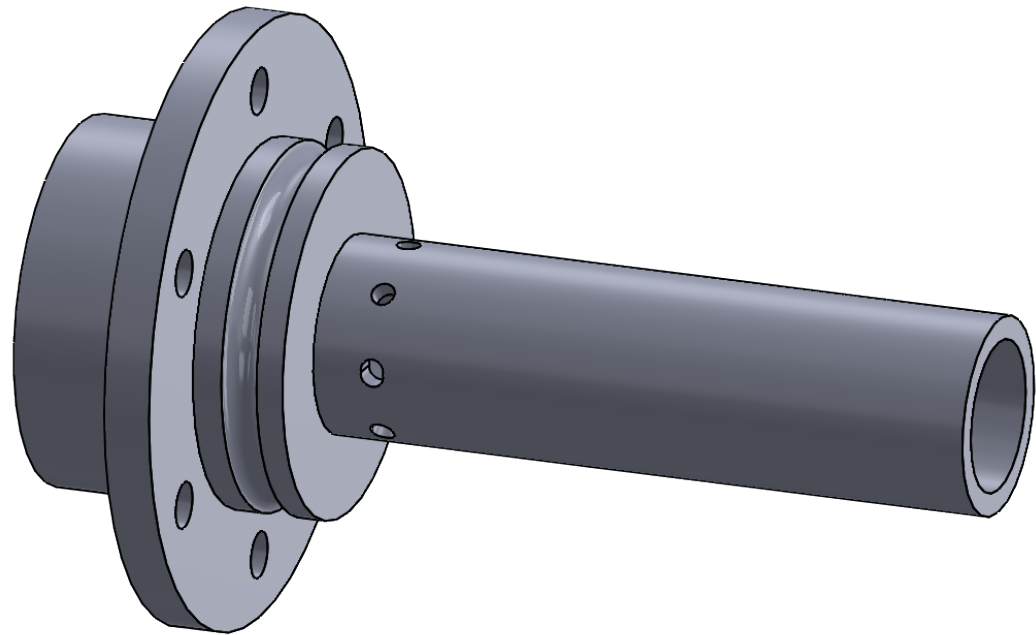
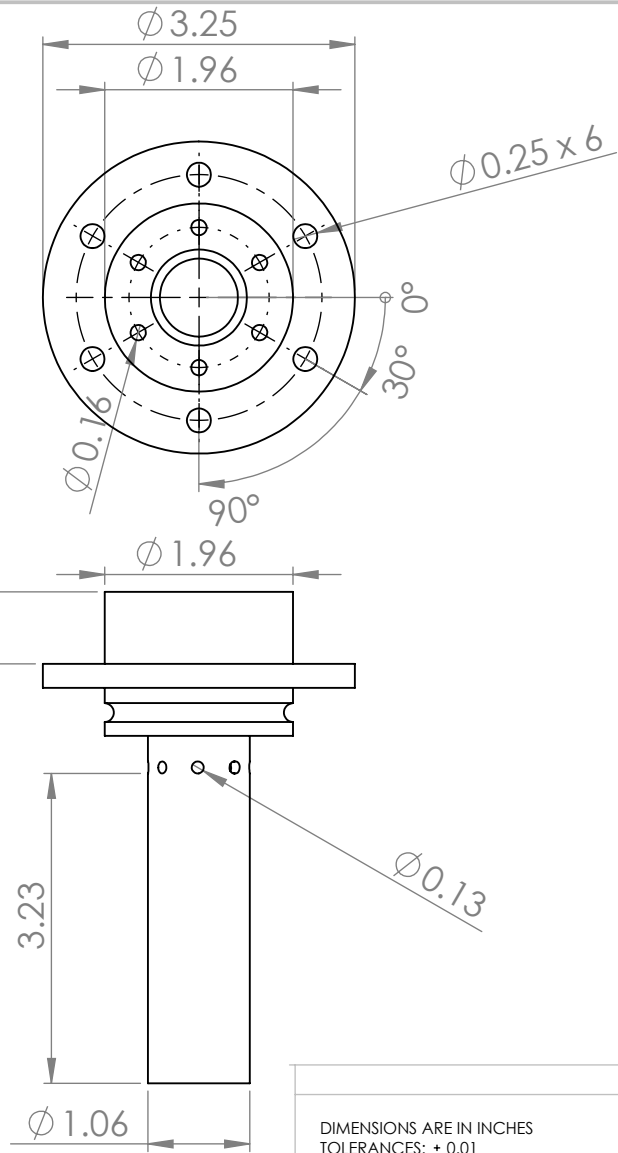
A

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A



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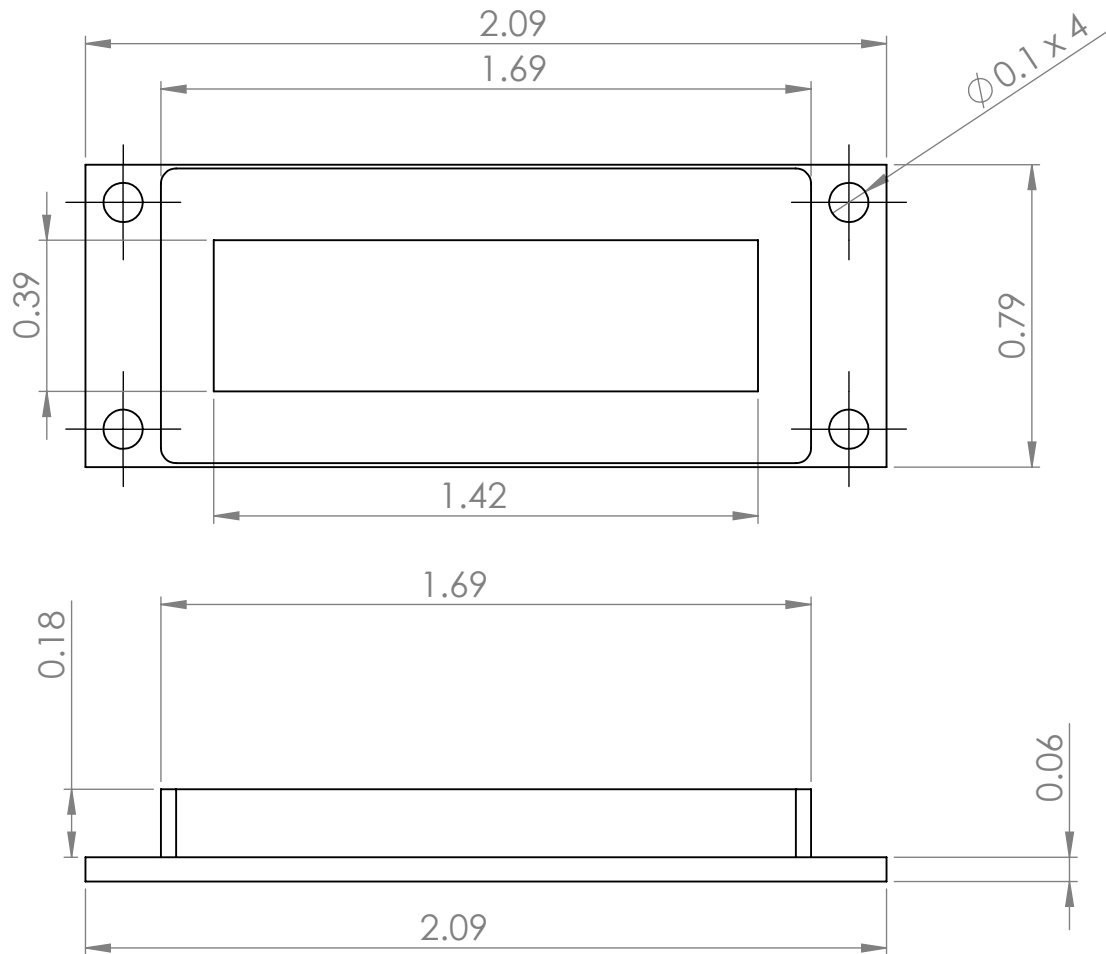
A

		NAME	DATE	TITLE:  <b>Inner Cylinder</b>	
DIMENSIONS ARE IN INCHES TOLERANCES: $\pm 0.01$ FRACTIONAL $\pm$ ANGULAR: MACH $\pm$ BEND $\pm$ TWO PLACE DECIMAL $\pm$ THREE PLACE DECIMAL $\pm$		DRAWN	16/10		
		CHECKED	20/10		
		ENG APPR.			
		MFG APPR.			
INTERPRET GEOMETRIC TOLERANCING PER:		Q.A.		SIZE    DWG. NO.    REV	
MATERIAL    Aluminum		COMMENTS:			
				<b>A</b>	5    1
				SCALE: 1:2	SHEET 1 OF 1

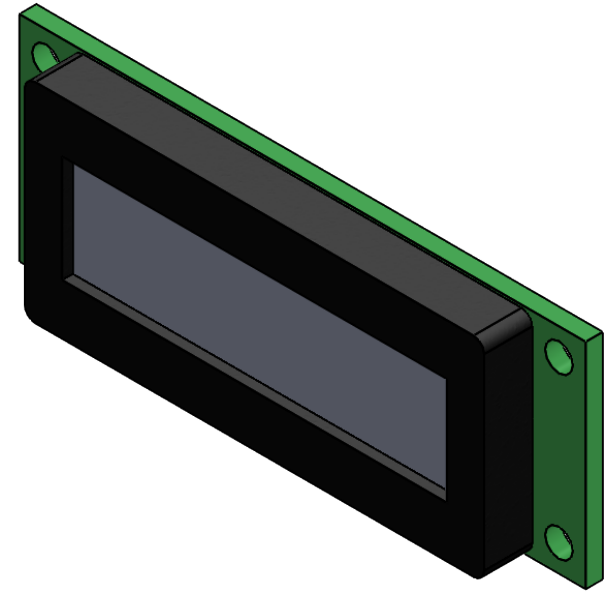
2

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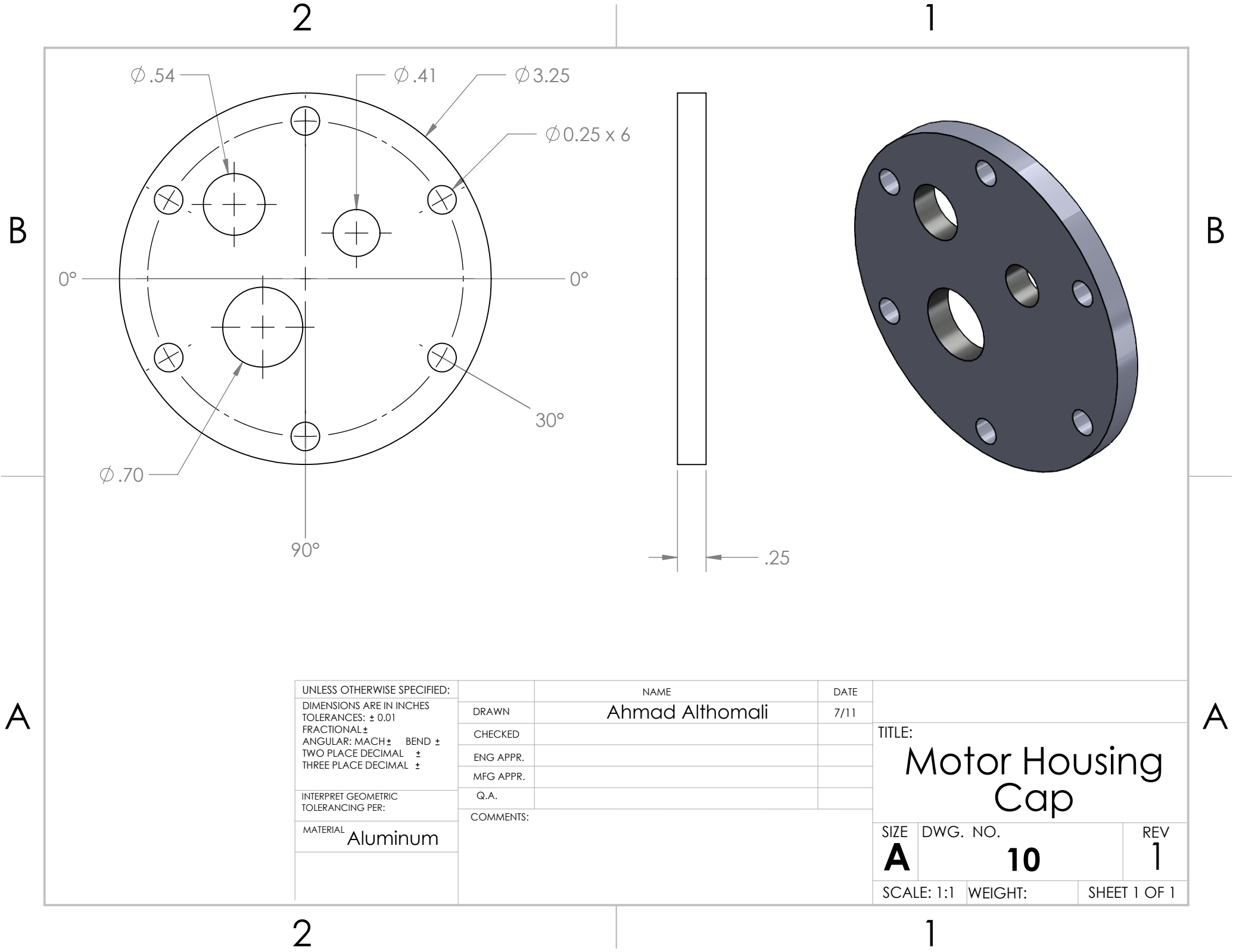
A

UNLESS OTHERWISE SPECIFIED:		NAME		DATE		TITLE:  LCD			
DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± ANGULAR: MACH ±    BEND ± TWO PLACE DECIMAL    ± THREE PLACE DECIMAL    ±		DRAWN		11/23					
		CHECKED							
		ENG APPR.							
		MFG APPR.							
INTERPRET GEOMETRIC TOLERANCING PER:		Q.A.				SIZE    DWG. NO.    REV <b>A</b> <b>18</b> <b>1</b>			
MATERIAL		COMMENTS:  This Part was downloaded and modified from GrabCad WebSite							
				SCALE: 2:1				SHEET 1 OF 1	

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1



UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN INCHES  
TOLERANCES:  $\pm 0.01$   
FRACTIONAL  $\pm$   
ANGULAR: MACH  $\pm$  BEND  $\pm$   
TWO PLACE DECIMAL  $\pm$   
THREE PLACE DECIMAL  $\pm$

INTERPRET GEOMETRIC  
TOLERANCING PER:

MATERIAL Aluminum

DRAWN

CHECKED

ENG APPR.

MFG APPR.

Q.A.

COMMENTS:

NAME

Ahmad Althomali

DATE

7/11

TITLE:

Motor Housing  
Cap

SIZE

A

DWG. NO.

10

REV

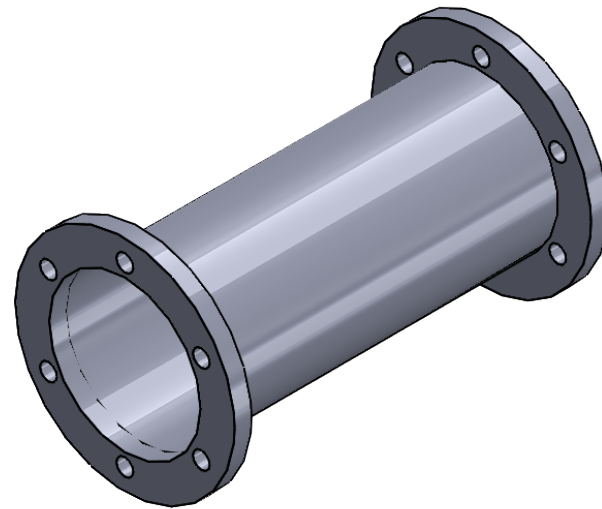
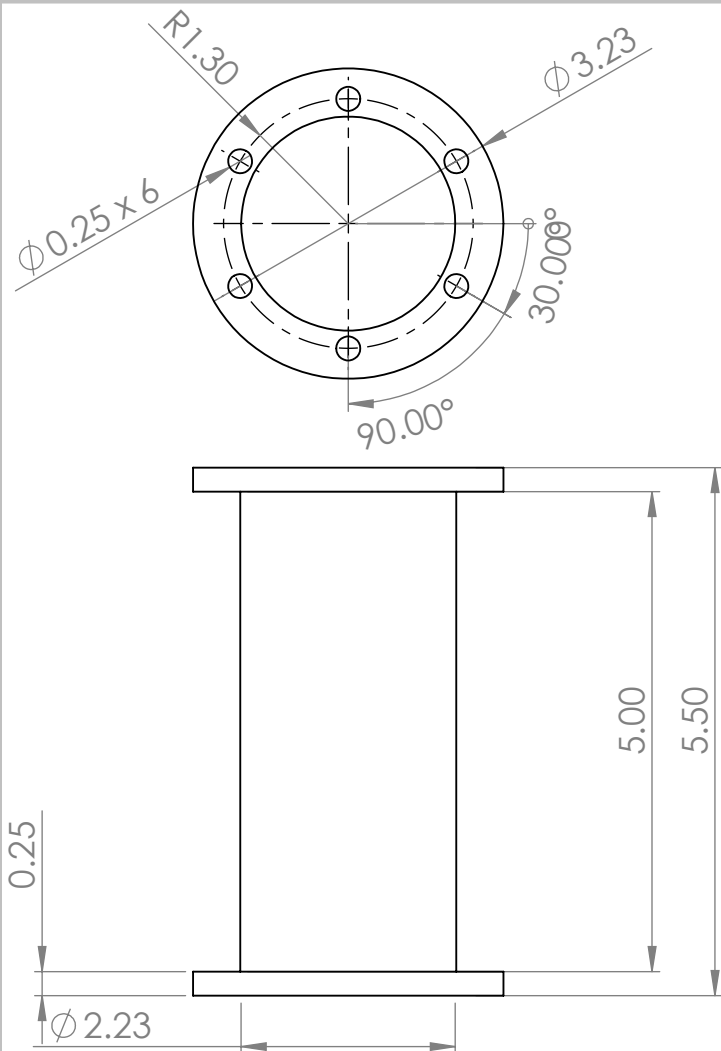
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SCALE: 1:1

WEIGHT:

SHEET 1 OF 1

B



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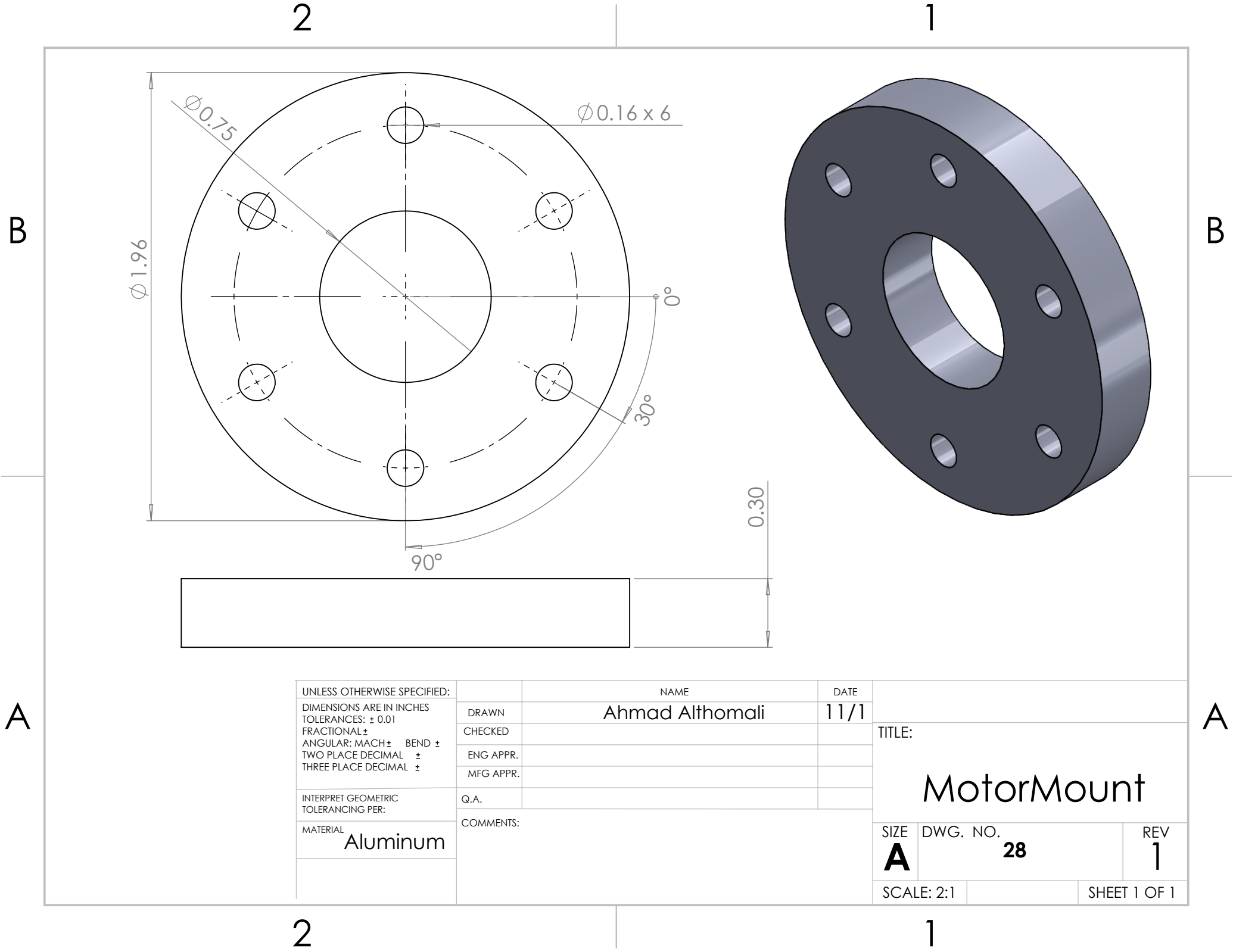
A

UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE:  <b>MOTOR HOUSING</b>	
DIMENSIONS ARE IN INCHES TOLERANCES: $\pm$ 0.01 FRACTIONAL ANGULAR: MACH $\pm$ BEND $\pm$ TWO PLACE DECIMAL $\pm$ THREE PLACE DECIMAL $\pm$	DRAWN	Ahmad Althomali	11/5		
	CHECKED				
	ENG APPR.				
	MFG APPR.				
INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.			SIZE DWG. NO. REV <b>A 20 1</b>	
MATERIAL <b>Aluminum</b>	COMMENTS:				
		SCALE: 1:2		SHEET 1 OF 1	

A

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1



UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN INCHES  
TOLERANCES:  $\pm 0.01$   
FRACTIONAL  $\pm$   
ANGULAR: MACH  $\pm$  BEND  $\pm$   
TWO PLACE DECIMAL  $\pm$   
THREE PLACE DECIMAL  $\pm$

INTERPRET GEOMETRIC  
TOLERANCING PER:

MATERIAL  
**Aluminum**

DRAWN  
CHECKED  
ENG APPR.  
MFG APPR.

Q.A.

COMMENTS:

NAME

**Ahmad Althomali**

DATE

**11/1**

TITLE:

**MotorMount**

SIZE

**A**

DWG. NO.

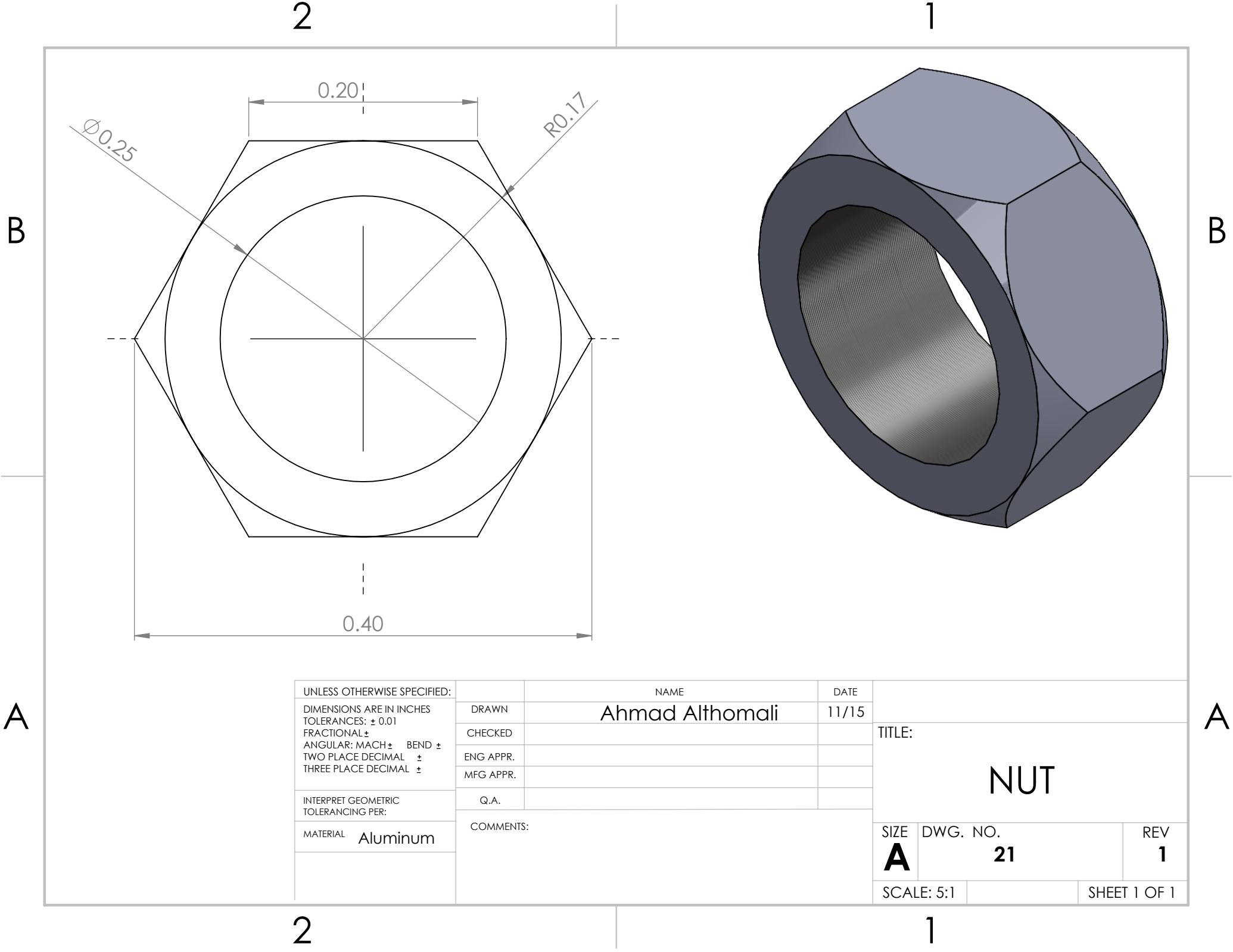
**28**

REV

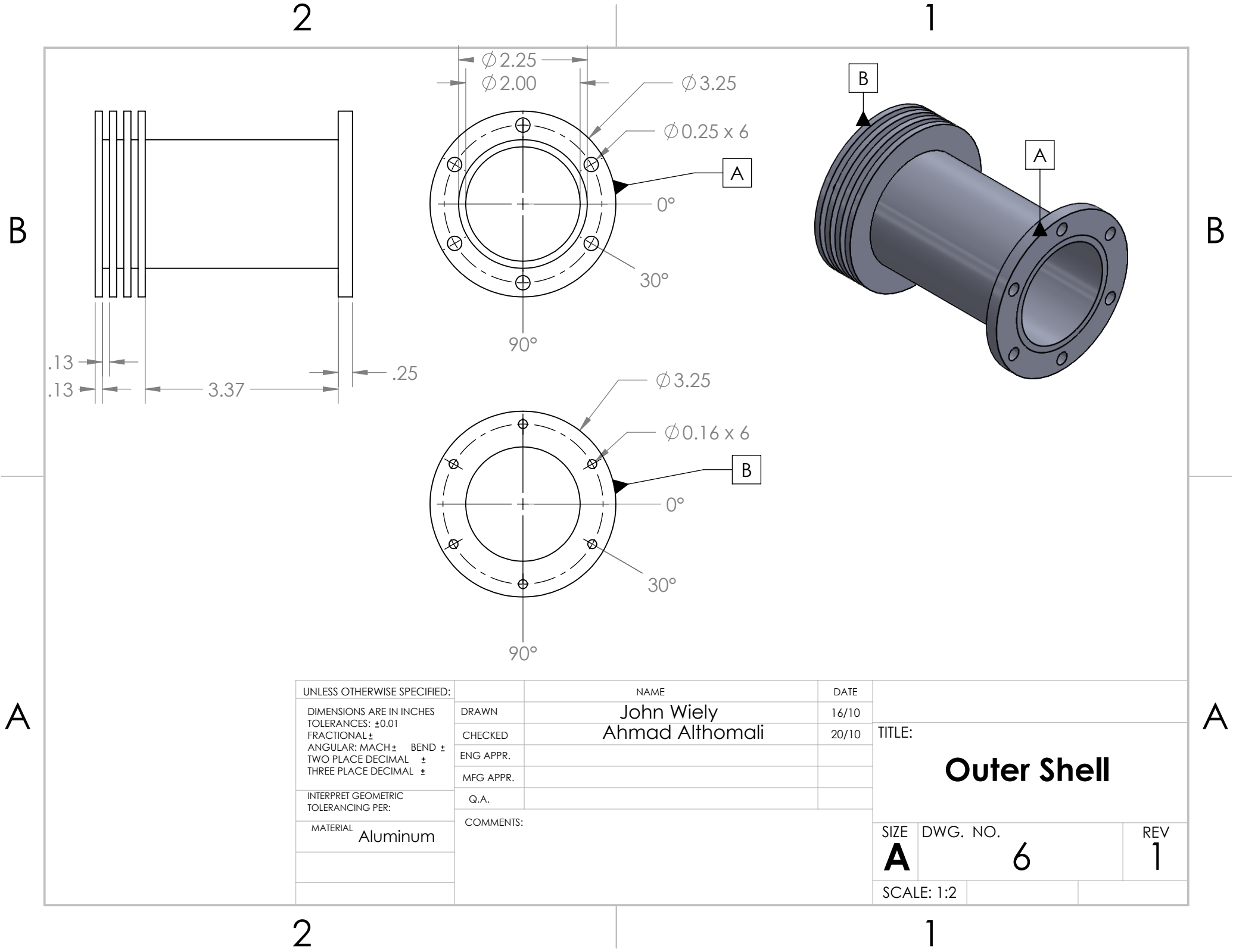
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SCALE: 2:1

SHEET 1 OF 1

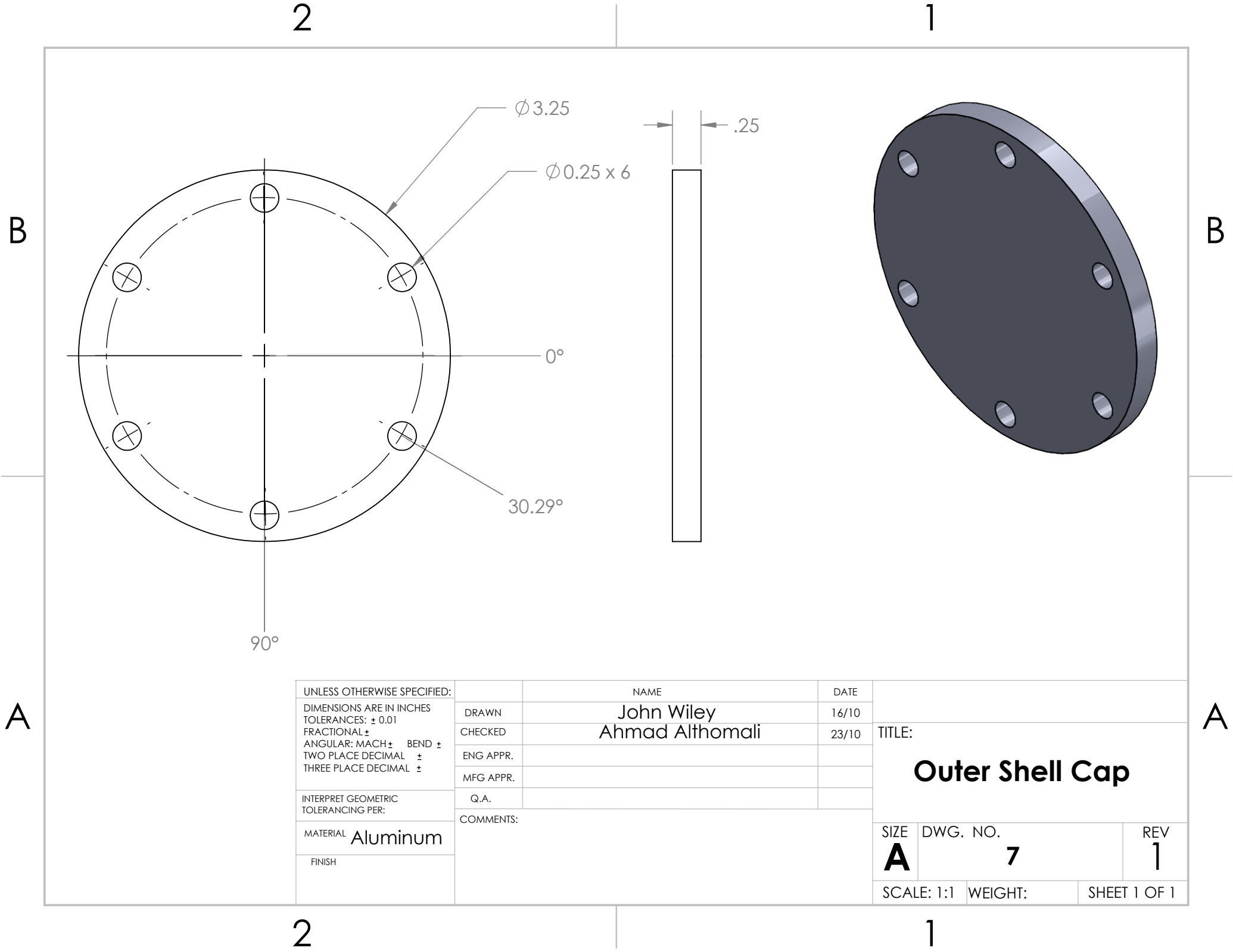


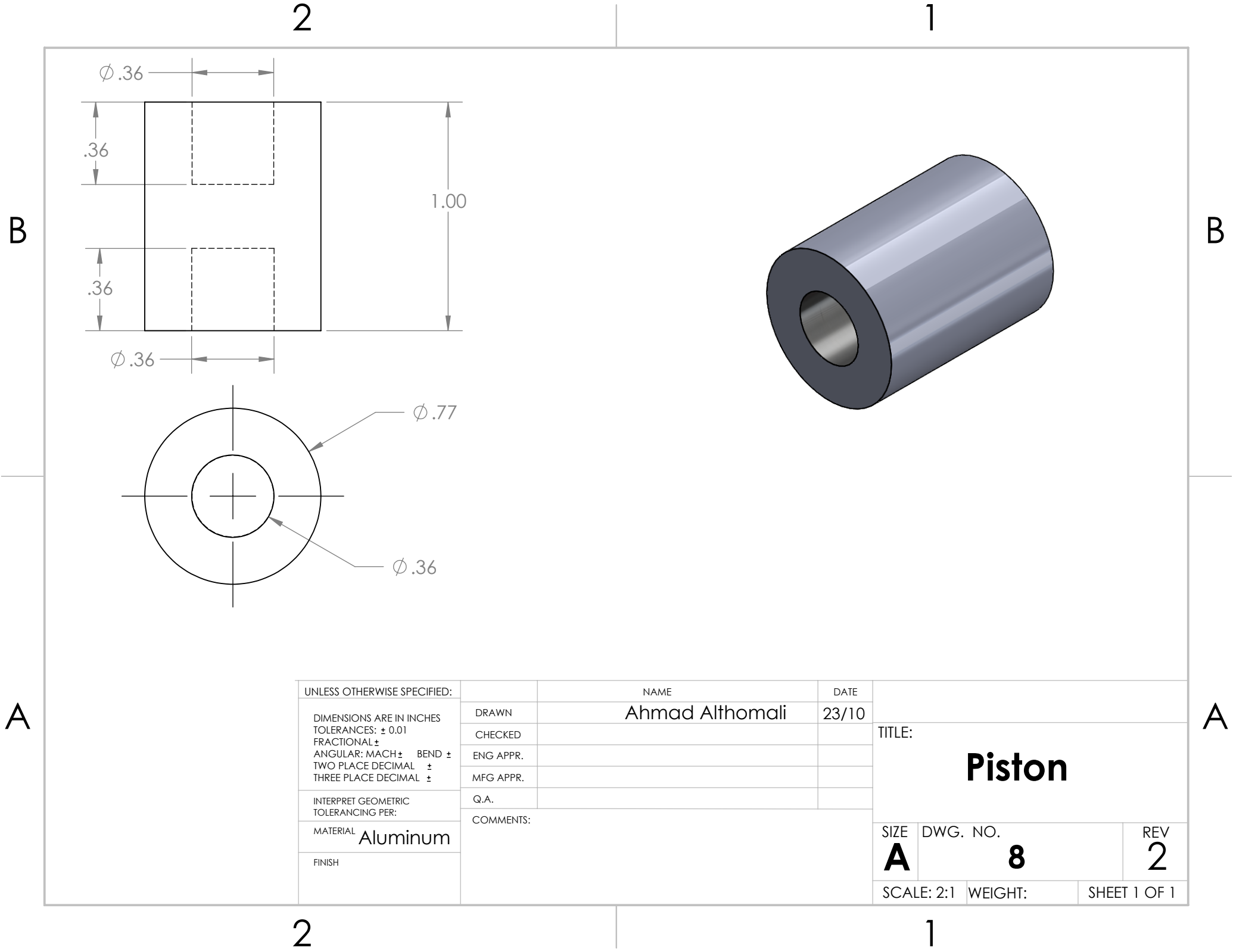
UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE:  <b>NUT</b>	
DIMENSIONS ARE IN INCHES TOLERANCES: $\pm 0.01$ FRACTIONAL $\pm$ ANGULAR: MACH $\pm$ BEND $\pm$ TWO PLACE DECIMAL $\pm$ THREE PLACE DECIMAL $\pm$	DRAWN	Ahmad Althomali	11/15		
	CHECKED				
	ENG APPR.				
	MFG APPR.				
INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.			SIZE <b>A</b> DWG. NO. <b>21</b> REV <b>1</b>	
MATERIAL Aluminum	COMMENTS:				
		SCALE: 5:1		SHEET 1 OF 1	



UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE:  <b>Outer Shell</b>		
DIMENSIONS ARE IN INCHES TOLERANCES: ±0.01 FRACTIONAL ± ANGULAR: MACH ±    BEND ± TWO PLACE DECIMAL    ± THREE PLACE DECIMAL    ±	DRAWN	John Wiely	16/10			
	CHECKED	Ahmad Althomali	20/10			
	ENG APPR.					
	MFG APPR.					
INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.			SIZE    DWG. NO.    REV  <b>A</b> <b>6</b> <b>1</b>		
MATERIAL    Aluminum	COMMENTS:					
				SCALE: 1:2		

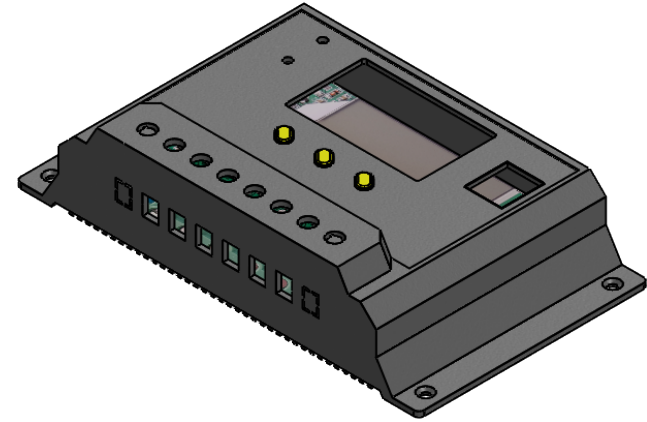
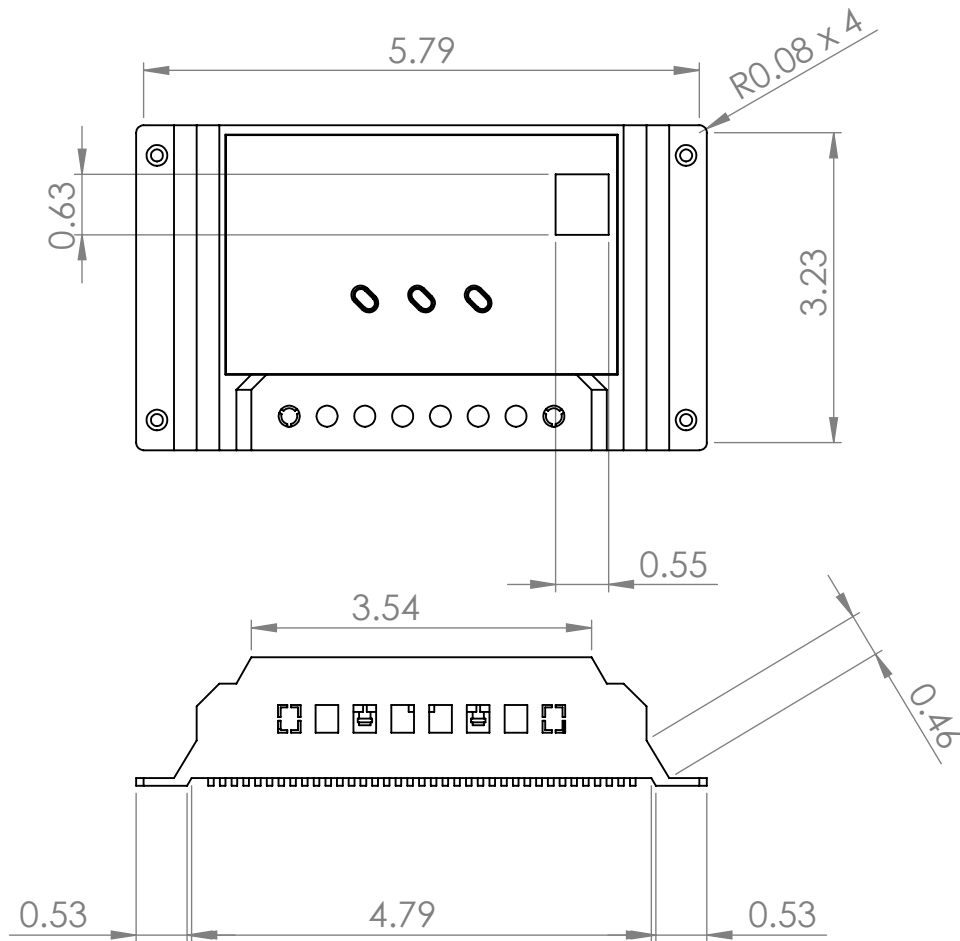






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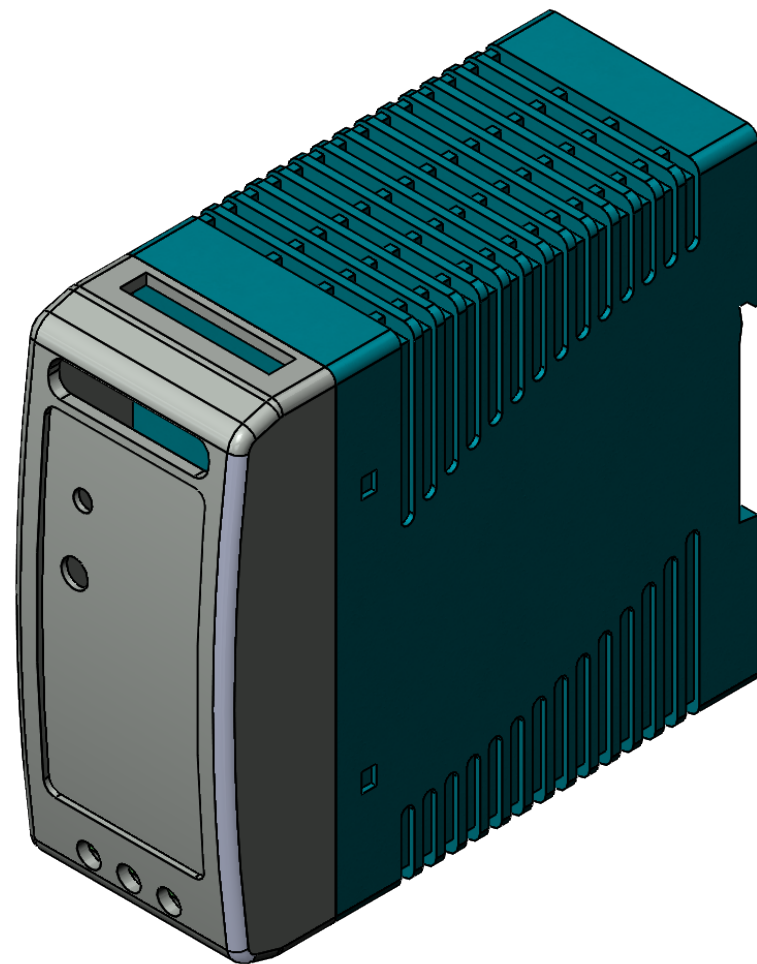
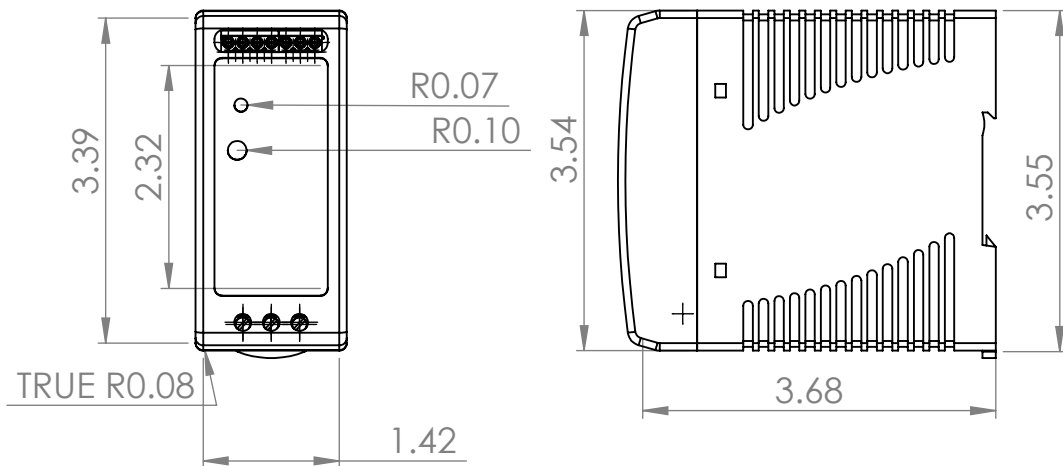
UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE:  PLC CONTROLLER		
DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± ANGULAR: MACH ±    BEND ± TWO PLACE DECIMAL    ± THREE PLACE DECIMAL    ±	DRAWN	Ahmad Althomali	11/19			
	CHECKED					
	ENG APPR.					
	MFG APPR.					
INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.			SIZE    DWG. NO.    REV  A		

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B



B

A

UNLESS OTHERWISE SPECIFIED:		NAME		DATE		TITLE:  <h1>POWER SUPPLY</h1>			
DIMENSIONS ARE IN INCHES TOLERANCES: ± 0.01 FRACTIONAL ± ANGULAR: MACH ±    BEND ± TWO PLACE DECIMAL    ± THREE PLACE DECIMAL    ±		DRAWN		11/15					
		CHECKED							
		ENG APPR.							
		MFG APPR.							
INTERPRET GEOMETRIC TOLERANCING PER:		Q.A.				<div>SIZE</div> <div><b>A</b></div> <div>DWG. NO.</div> <div><b>22</b></div> <div>REV</div> <div><b>1</b></div> <div>SCALE: 1:2</div> <div></div> <div>SHEET 1 OF 1</div>			
MATERIAL		COMMENTS:  <h2>This Part was downloaded from GrabCad</h2>							

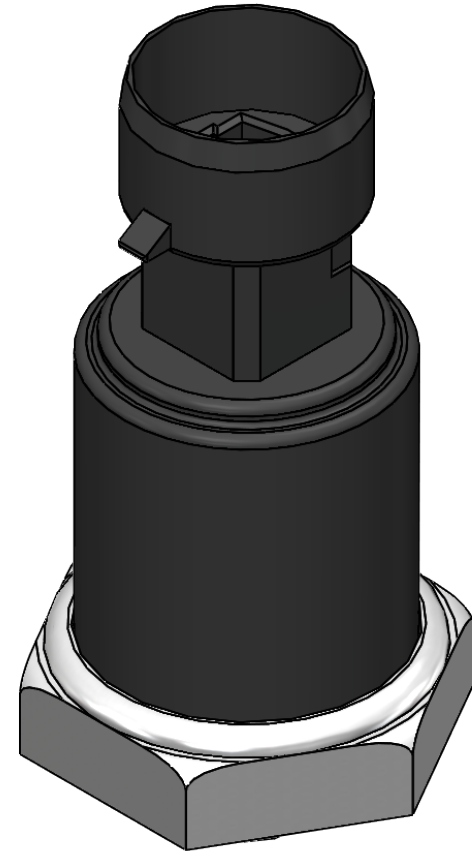
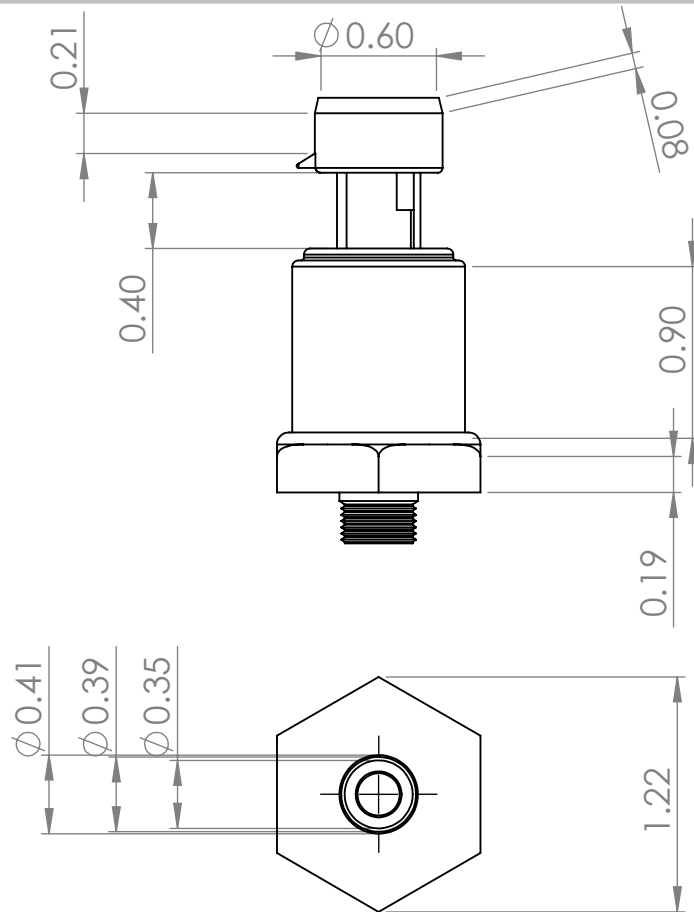
A

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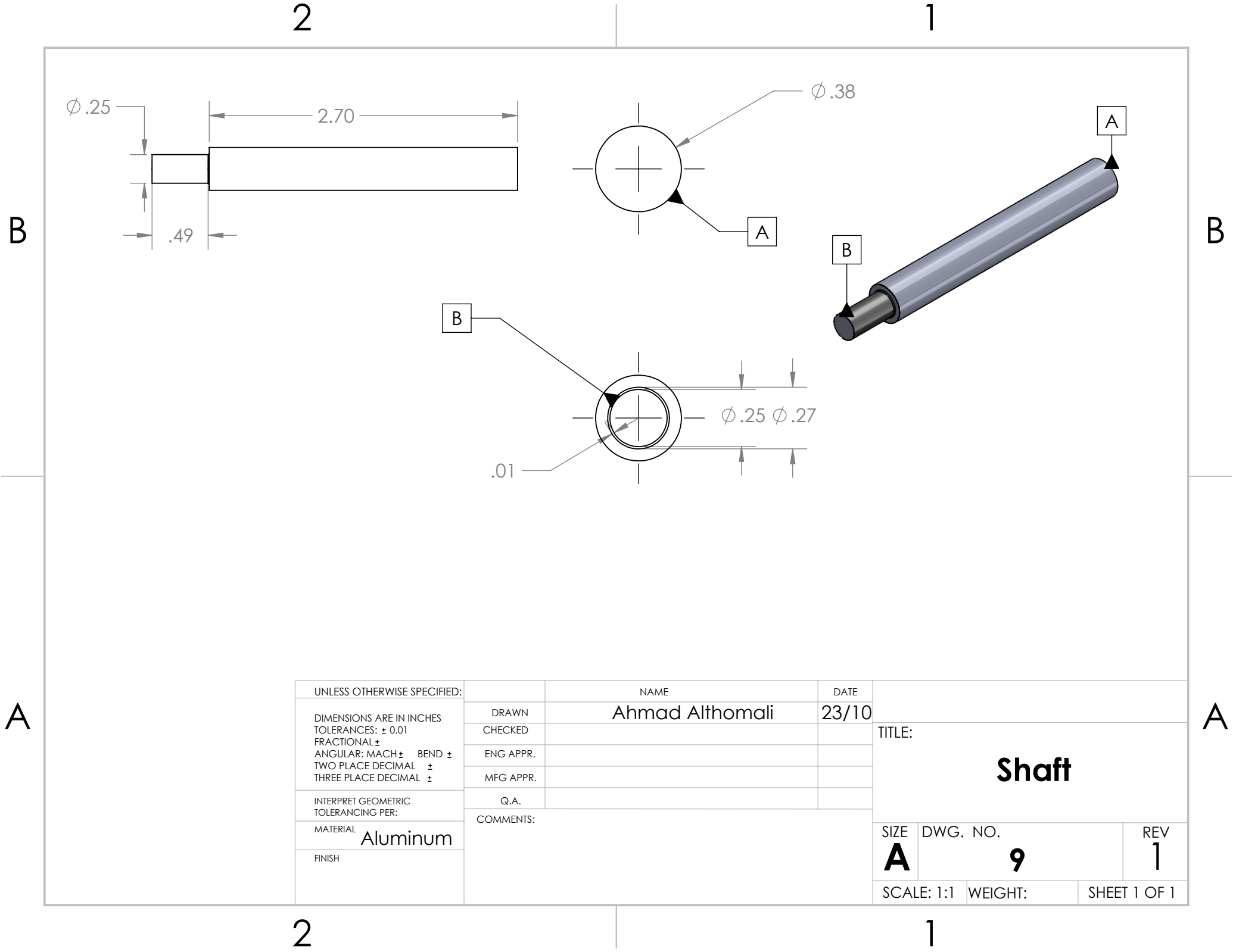


A

UNLESS OTHERWISE SPECIFIED:  DIMENSIONS ARE IN INCHES TOLERANCES: $\pm 0.01$ FRACTIONAL $\pm$ ANGULAR: MACH $\pm$ BEND $\pm$ TWO PLACE DECIMAL $\pm$ THREE PLACE DECIMAL $\pm$  INTERPRET GEOMETRIC TOLERANCING PER:  MATERIAL	DRAWN	NAME	DATE	TITLE:  PRESSURE SENSOR		
	CHECKED	Ahmad Althomali	11/20			
	ENG APPR.					
	MFG APPR.					
	Q.A.					
	COMMENTS:			SIZE	DWG. NO.	REV
	Pressure Sensor was downloaded and modified from GrabCad			<b>A</b>	<b>22</b>	1
				SCALE: 1:1		SHEET 1 OF 1

2

1



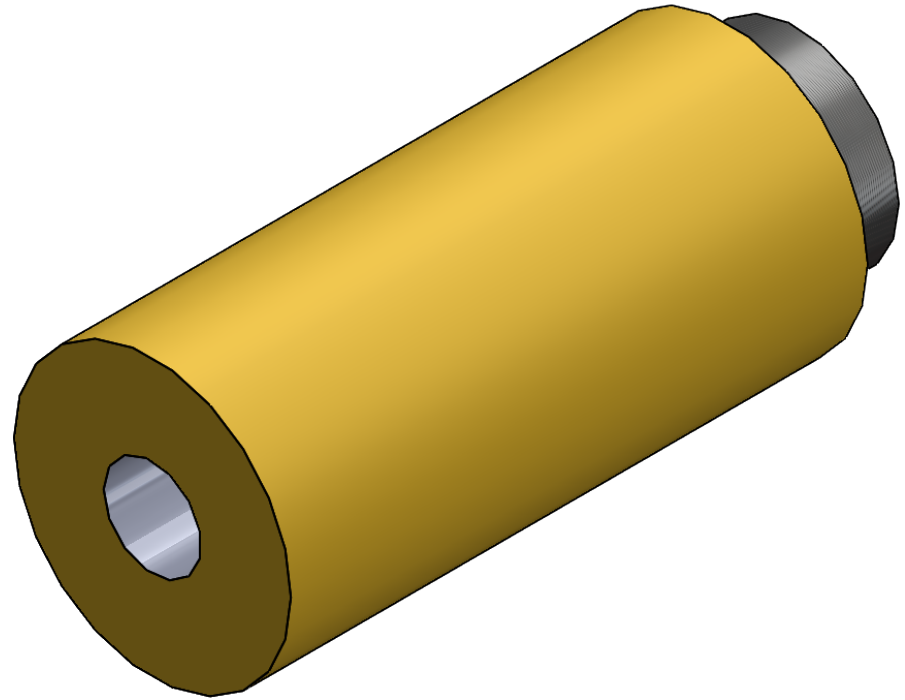
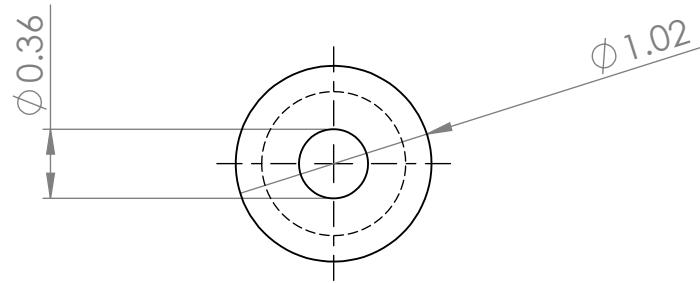
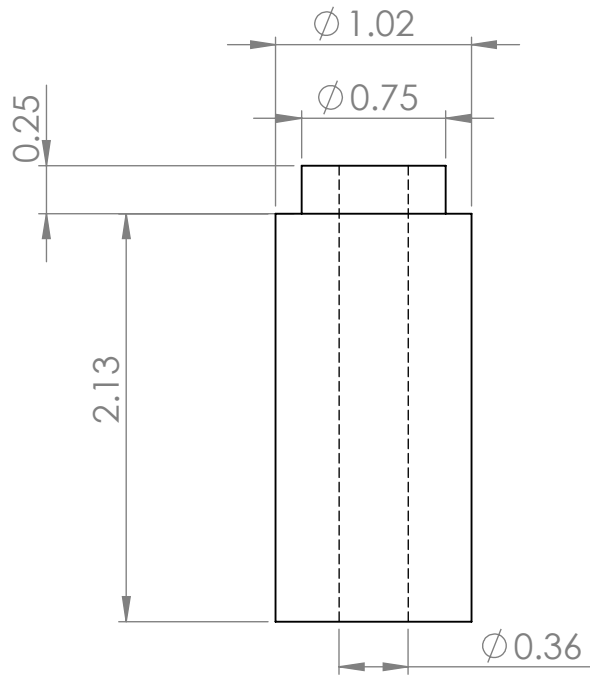
UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE:  <b>Shaft</b>	
DIMENSIONS ARE IN INCHES TOLERANCES: $\pm 0.01$ FRACTIONAL $\pm$ ANGULAR: MACH $\pm$ BEND $\pm$ TWO PLACE DECIMAL $\pm$ THREE PLACE DECIMAL $\pm$	DRAWN	Ahmad Althomali	23/10		
	CHECKED				
	ENG APPR.				
	MFG APPR.				
INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.			SIZE    DWG. NO.    REV	
MATERIAL <b>Aluminum</b>	COMMENTS:				
FINISH					
				SCALE: 1:1	WEIGHT:    SHEET 1 OF 1

B

B

A

A



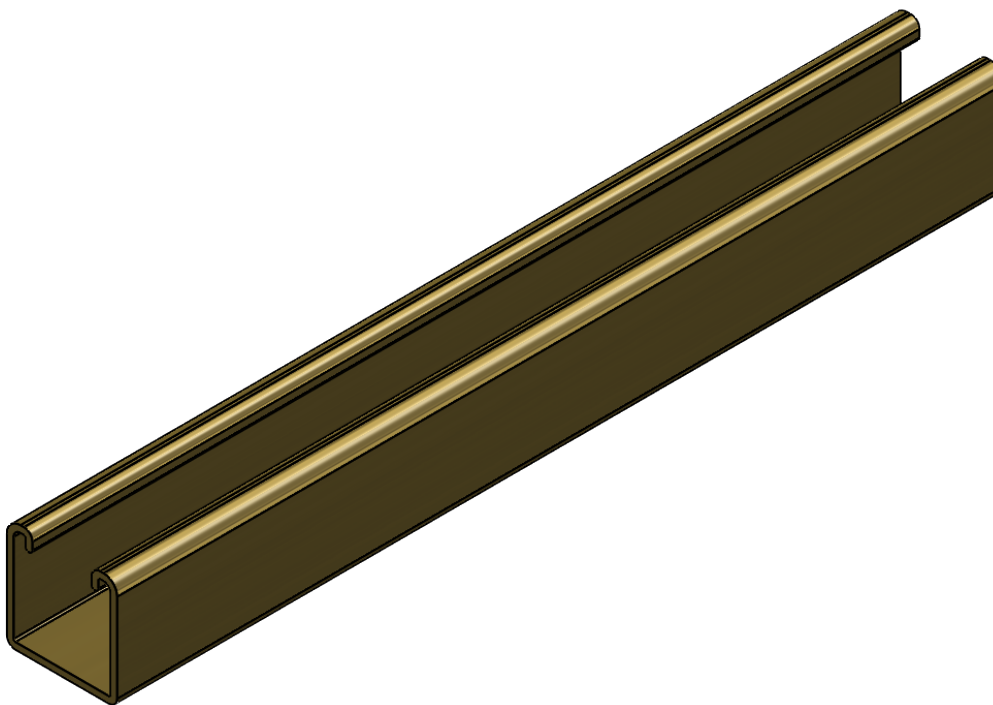
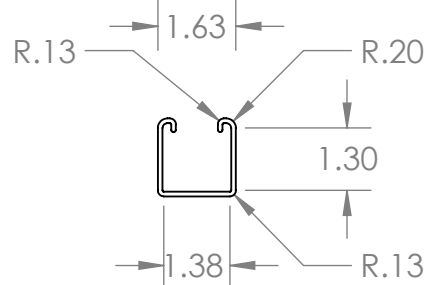
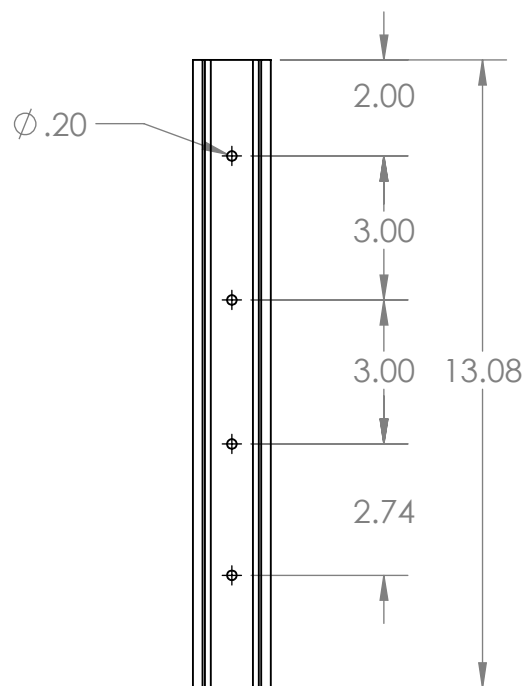
UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE:  <b>SOLINOID</b>	
DIMENSIONS ARE IN INCHES TOLERANCES: $\pm 0.01$ FRACTIONAL $\pm$ ANGULAR: MACH $\pm$ BEND $\pm$ TWO PLACE DECIMAL $\pm$ THREE PLACE DECIMAL $\pm$	DRAWN	Ahmad Althomali	11/14		
	CHECKED				
	ENG APPR.				
	MFG APPR.				
INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.			SIZE <b>A</b>	
MATERIAL	COMMENTS:				
		DWG. NO. <b>23</b>		REV <b>1</b>	
		SCALE: 1:1		SHEET 1 OF 1	

2

1

B

B



A

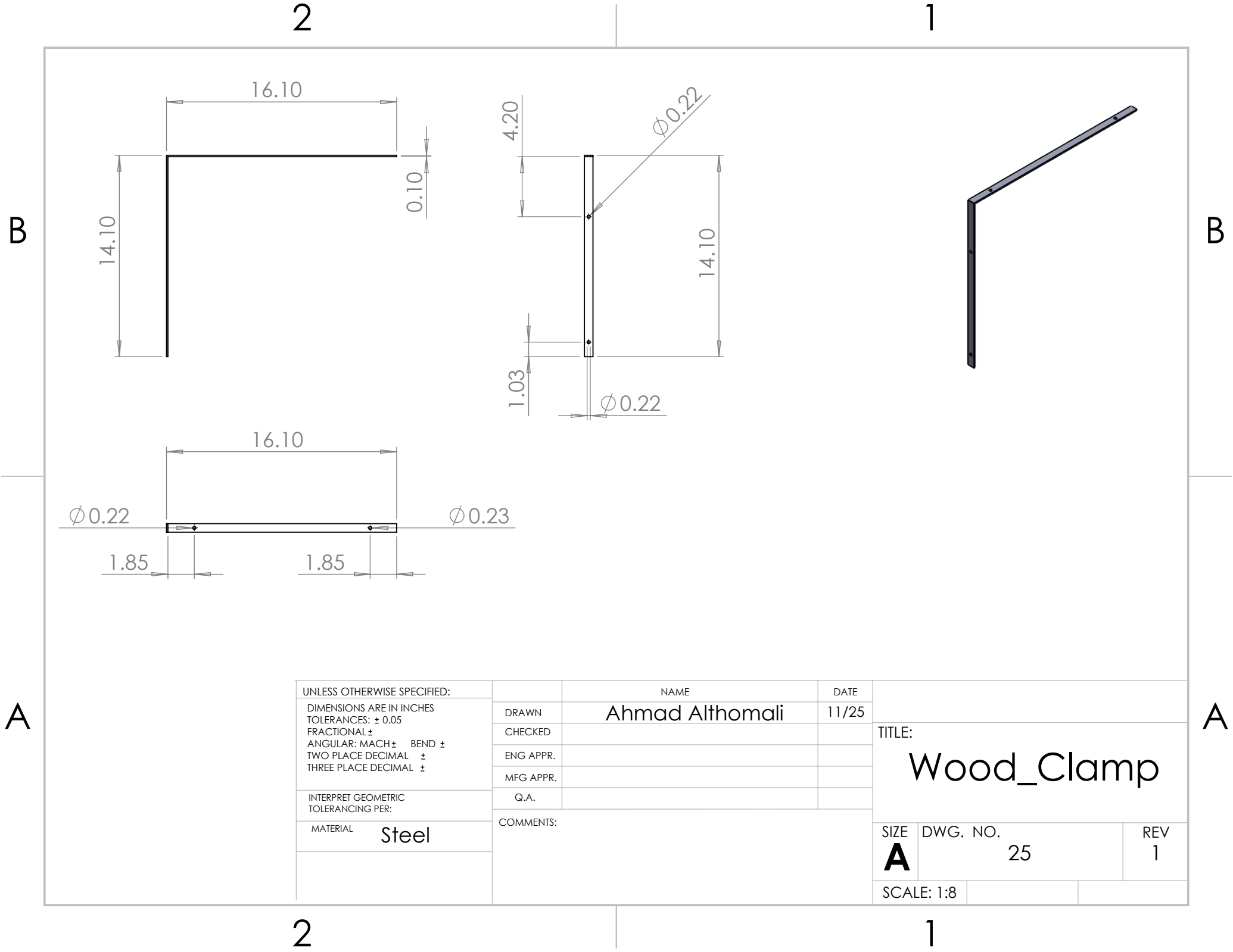
UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE:  <b>Unistrut</b>	
DIMENSIONS ARE IN INCHES TOLERANCES: $\pm 0.00$ FRACTIONAL $\pm$ ANGULAR: MACH $\pm$ BEND $\pm$ TWO PLACE DECIMAL $\pm$ THREE PLACE DECIMAL $\pm$	MATERIAL	steel	COMMENTS:		
	FINISH				
		DRAWN	Ahmad Althomali	10/11	SIZE <b>A</b> DWG. NO. <b>11</b> REV <b>1</b> SCALE: 1:4
		CHECKED			
		ENG APPR.			
		MFG APPR.			
		Q.A.			

2

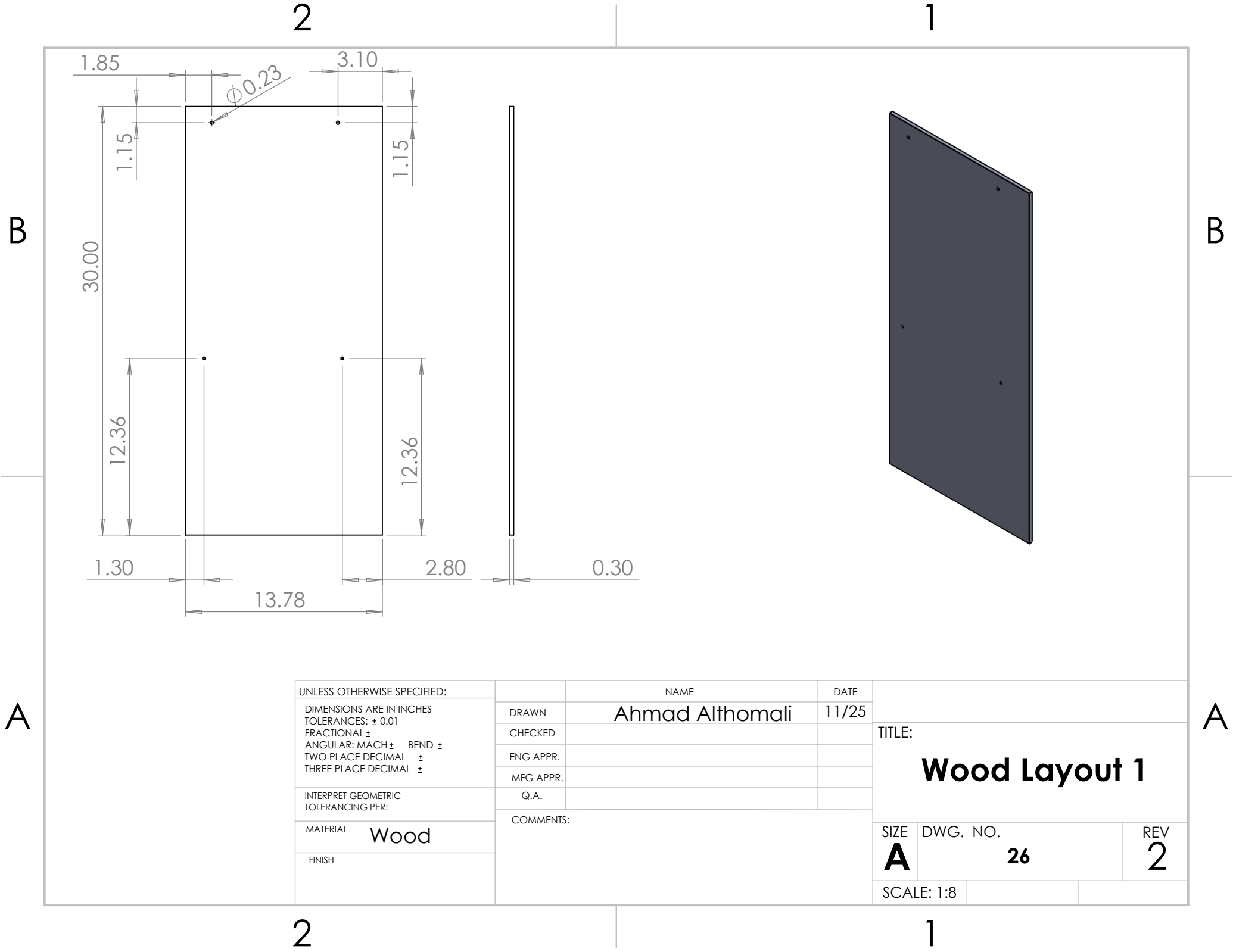
1

A





UNLESS OTHERWISE SPECIFIED:		NAME		DATE		TITLE:  <div>Wood_Clamp</div>			
DIMENSIONS ARE IN INCHES TOLERANCES: ± 0.05 FRACTIONAL ± ANGULAR: MACH ±    BEND ± TWO PLACE DECIMAL    ± THREE PLACE DECIMAL    ±	DRAWN	Ahmad Althomali		11/25					
	CHECKED								
	ENG APPR.								
	MFG APPR.								
INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.					SIZE    DWG. NO.    REV <div>A</div> 25    1			
MATERIAL    Steel	COMMENTS:								
				SCALE: 1:8					



UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN INCHES  
TOLERANCES:  $\pm 0.01$   
FRACTIONAL  $\pm$   
ANGULAR: MACH  $\pm$  BEND  $\pm$   
TWO PLACE DECIMAL  $\pm$   
THREE PLACE DECIMAL  $\pm$

INTERPRET GEOMETRIC  
TOLERANCING PER:

MATERIAL Wood

FINISH

DRAWN

CHECKED

ENG APPR.

MFG APPR.

Q.A.

COMMENTS:

NAME

Ahmad Althomali

DATE

11/25

TITLE:

Wood Layout 1

SIZE

A

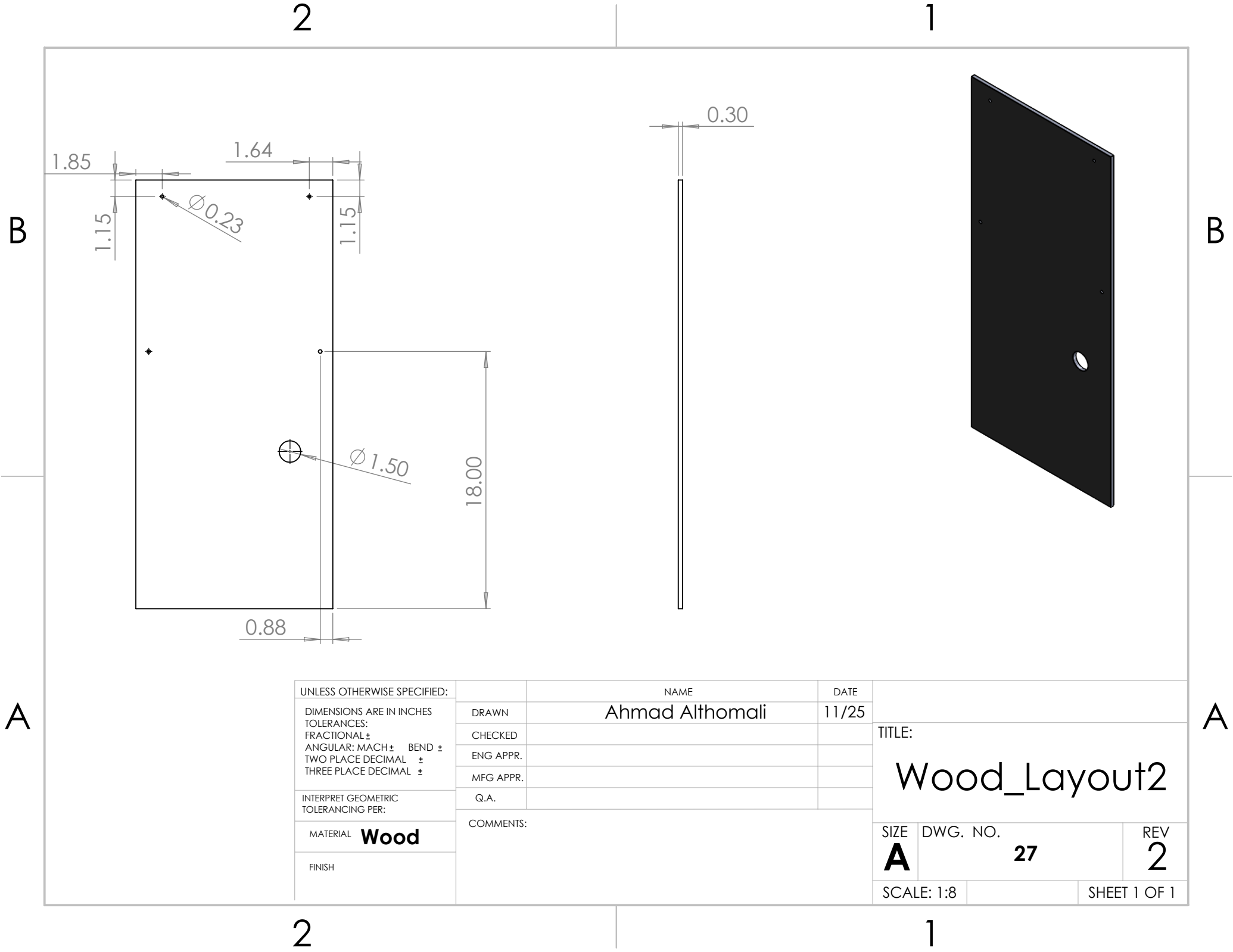
DWG. NO.

26

REV

2

SCALE: 1:8



UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE:  Wood_Layout2					
DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± ANGULAR: MACH ±    BEND ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ±	DRAWN	Ahmad Althomali	11/25						
	CHECKED								
	ENG APPR.								
	MFG APPR.								
INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.			SIZE    DWG. NO.    REV					
MATERIAL <b>Wood</b>	COMMENTS:								
FINISH									
				SCALE: 1:8    SHEET 1 OF 1					