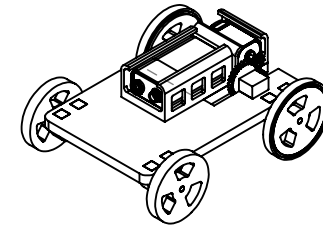
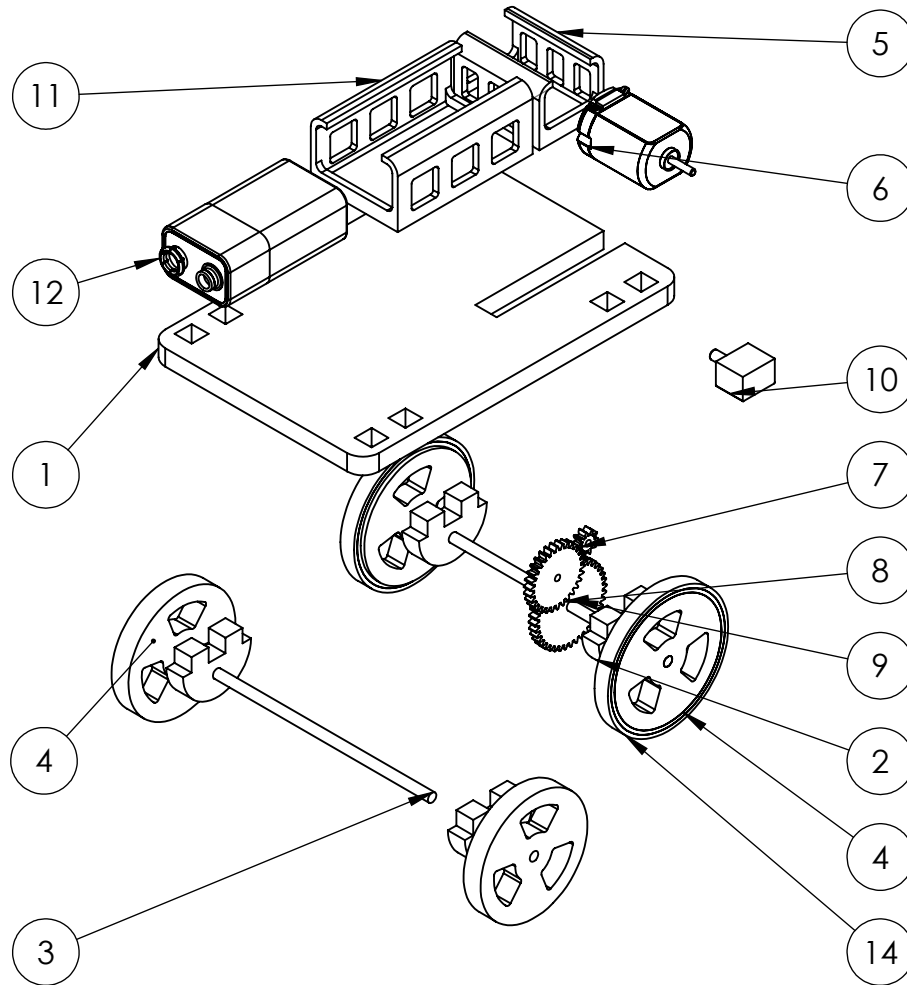


B

A



ITEM NO.	PART NUMBER	Material	QTY.
1	Chassis	Acrylic (Medium-high impact)	1
2	AxleMount	ABS	4
3	Axle1	Alloy Steel	2
4	Wheel	Acrylic (Medium-high impact)	4
5	Wang-MotorMountPRT	PLA	1
6	DCmotor		1
7	Inch - Spur gear 40DP 10T 20PA 0.1FW --- S10N3.0H2.0L0.0787N	Acrylic (Medium-high impact)	2
8	Inch - Spur gear 40DP 30T 20PA 0.1FW --- S30N3.0H2.0L0.0787N	Acrylic (Medium-high impact)	1
9	Inch - Spur gear 40DP 40T 20PA 0.1FW --- S40N3.0H2.0L0.125N	Acrylic (Medium-high impact)	1
10	GearMount	ABS	1
11	Wang-BatteryHousingPRT	PLA	1
12	PR2007 9 Volt Battery		1
13	DoubleSidedFoam	Polyurethane Foam Flexible	2
14	RubberBand	Natural Rubber	2

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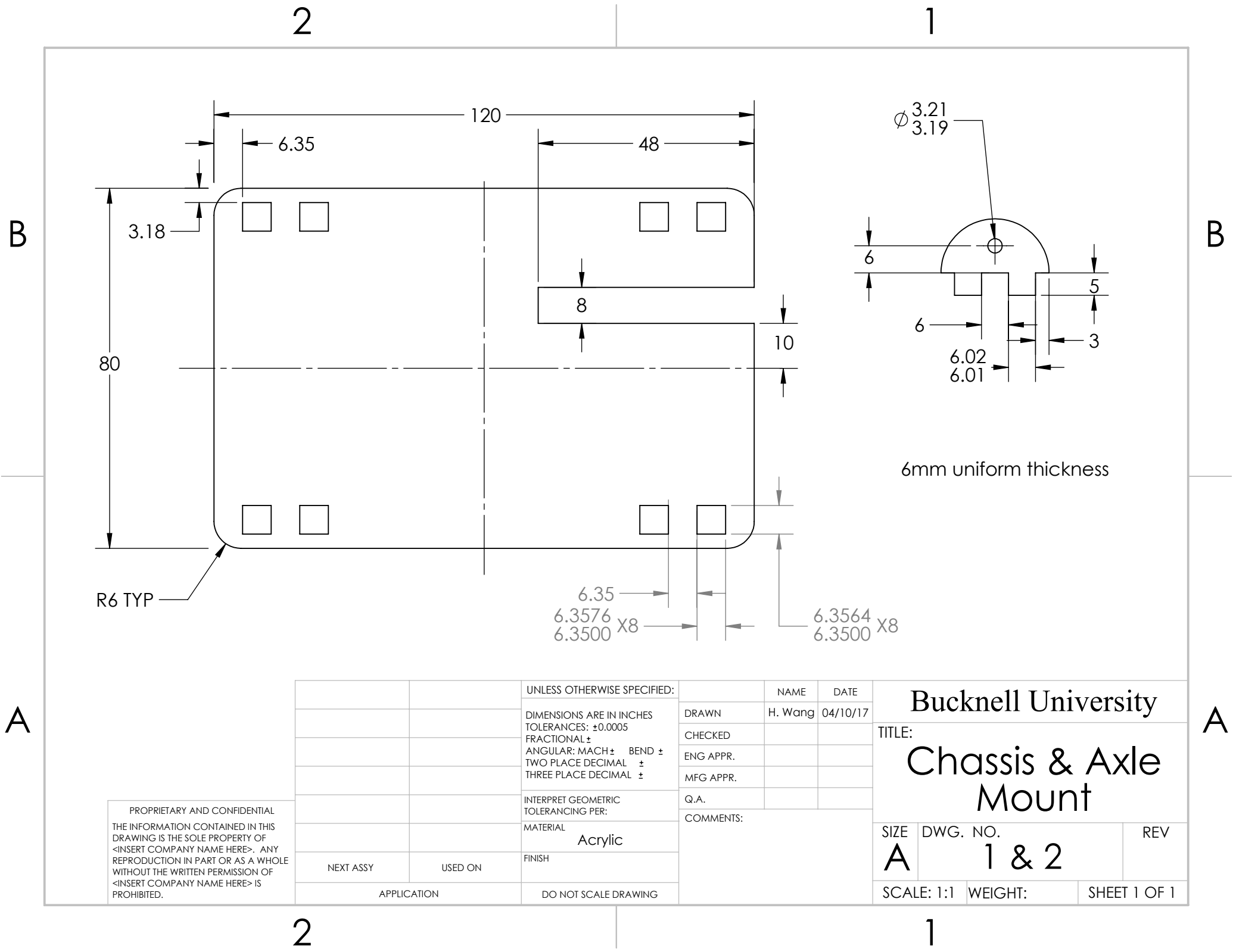
		UNLESS OTHERWISE SPECIFIED:
		DIMENSIONS ARE IN INCHES
		TOLERANCES:
		FRACTIONAL: $\pm$
		ANGULAR: MACH $\pm$ BEND $\pm$
		TWO PLACE DECIMAL $\pm$
		THREE PLACE DECIMAL $\pm$
		INTERPRET GEOMETRIC TOLERANCING PER:
		MATERIAL
		FINISH
NEXT ASSY	USED ON	
APPLICATION		DO NOT SCALE DRAWING

	NAME	DATE
DRAWN	H. Wang	05/02/17
CHECKED		
ENG APPR.		
MFG APPR.		
Q.A.		
COMMENTS:		

Bucknell University		
TITLE:		
Car Assembly		
SIZE	DWG. NO.	REV
A	CarAssembly	
SCALE: 1:4	WEIGHT:	SHEET 1 OF 1

B

A

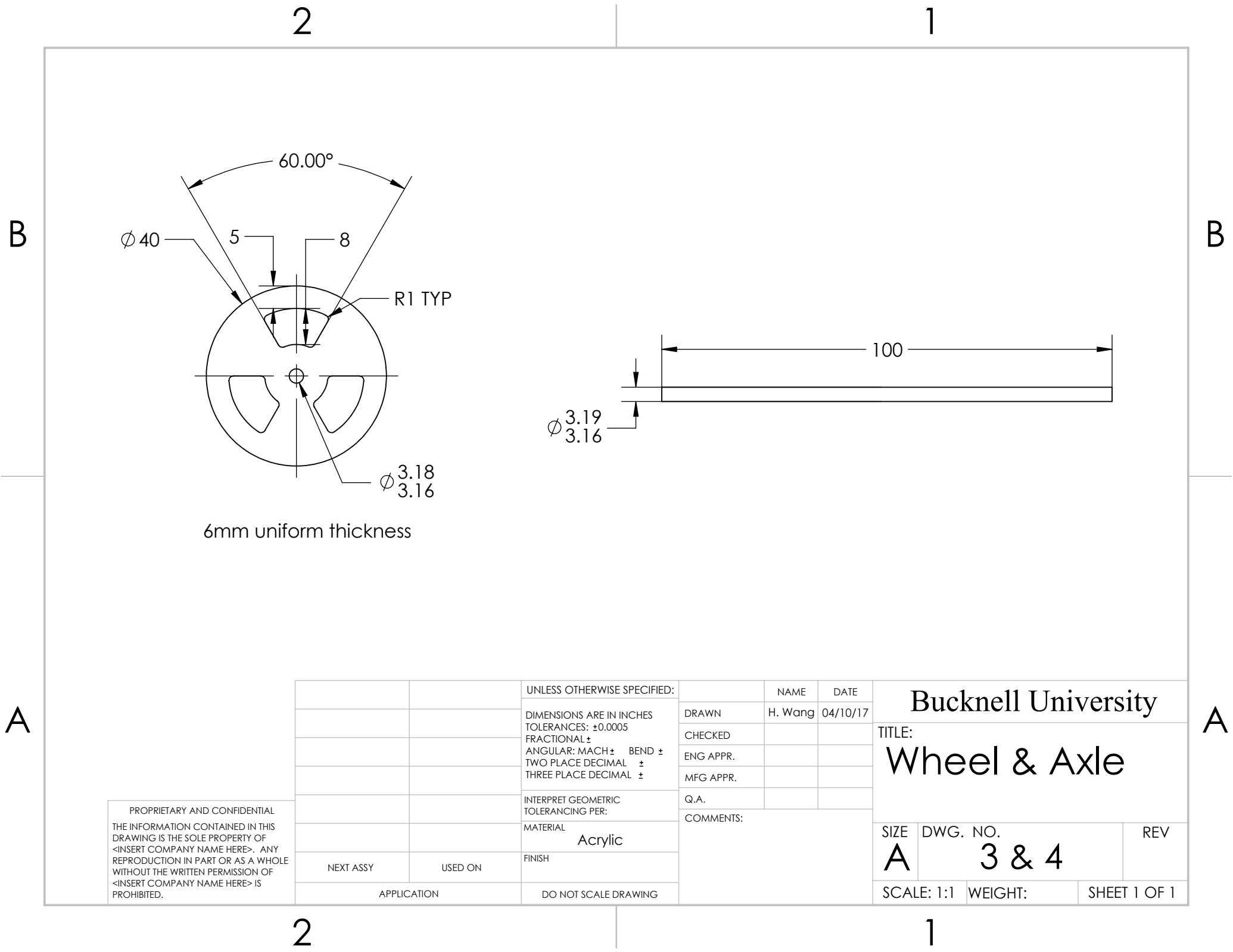


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		UNLESS OTHERWISE SPECIFIED:
		DIMENSIONS ARE IN INCHES
		TOLERANCES: $\pm 0.0005$
		FRACTIONAL $\pm$
		ANGULAR: MACH $\pm$ BEND $\pm$
		TWO PLACE DECIMAL $\pm$
		THREE PLACE DECIMAL $\pm$
		INTERPRET GEOMETRIC
		TOLERANCING PER:
		MATERIAL
		Acrylic
		FINISH
NEXT ASSY	USED ON	
APPLICATION		DO NOT SCALE DRAWING

	NAME	DATE
DRAWN	H. Wang	04/10/17
CHECKED		
ENG APPR.		
MFG APPR.		
Q.A.		
COMMENTS:		

Bucknell University		
TITLE:		
Chassis & Axle Mount		
SIZE	DWG. NO.	REV
A	1 & 2	
SCALE: 1:1	WEIGHT:	SHEET 1 OF 1



B

B

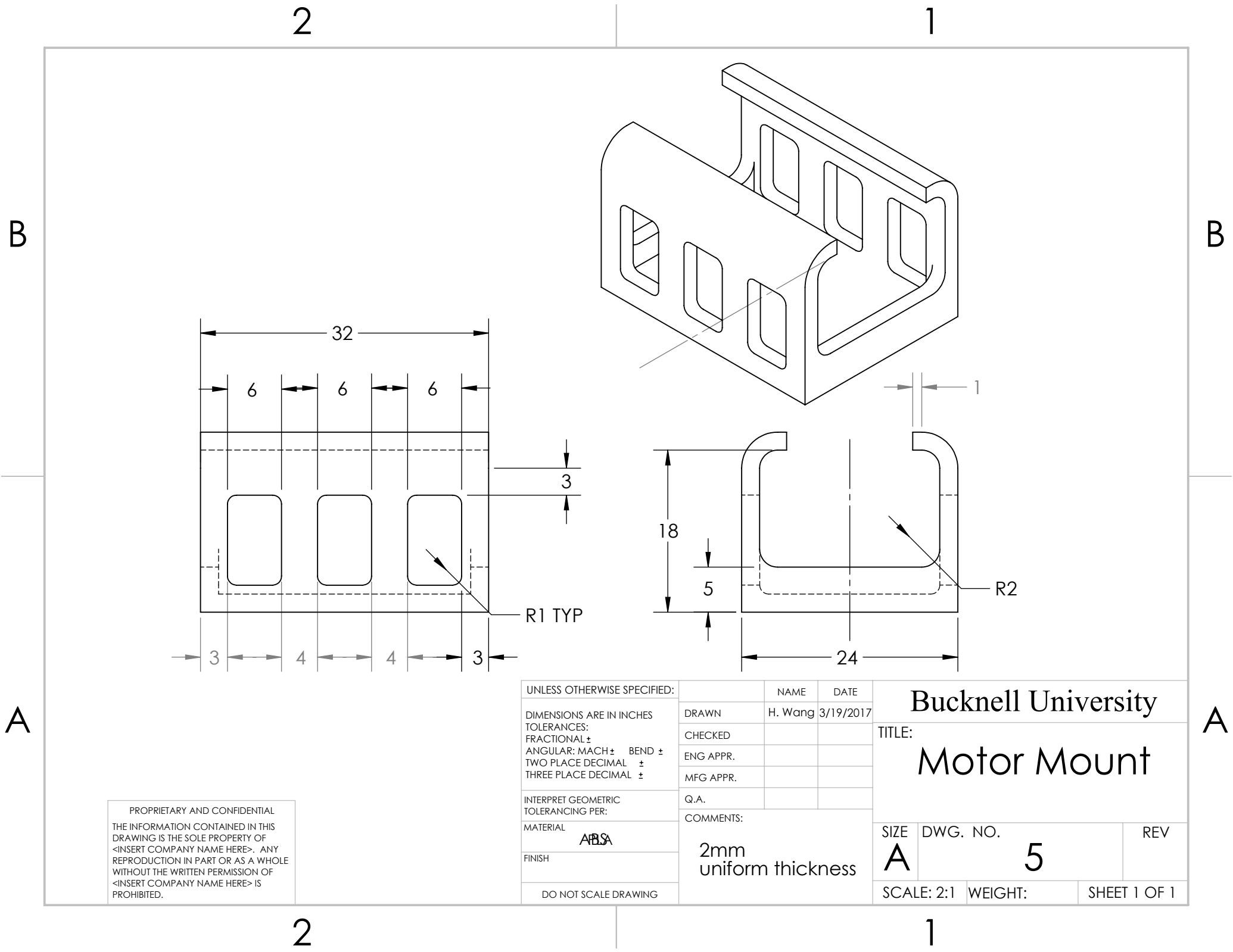
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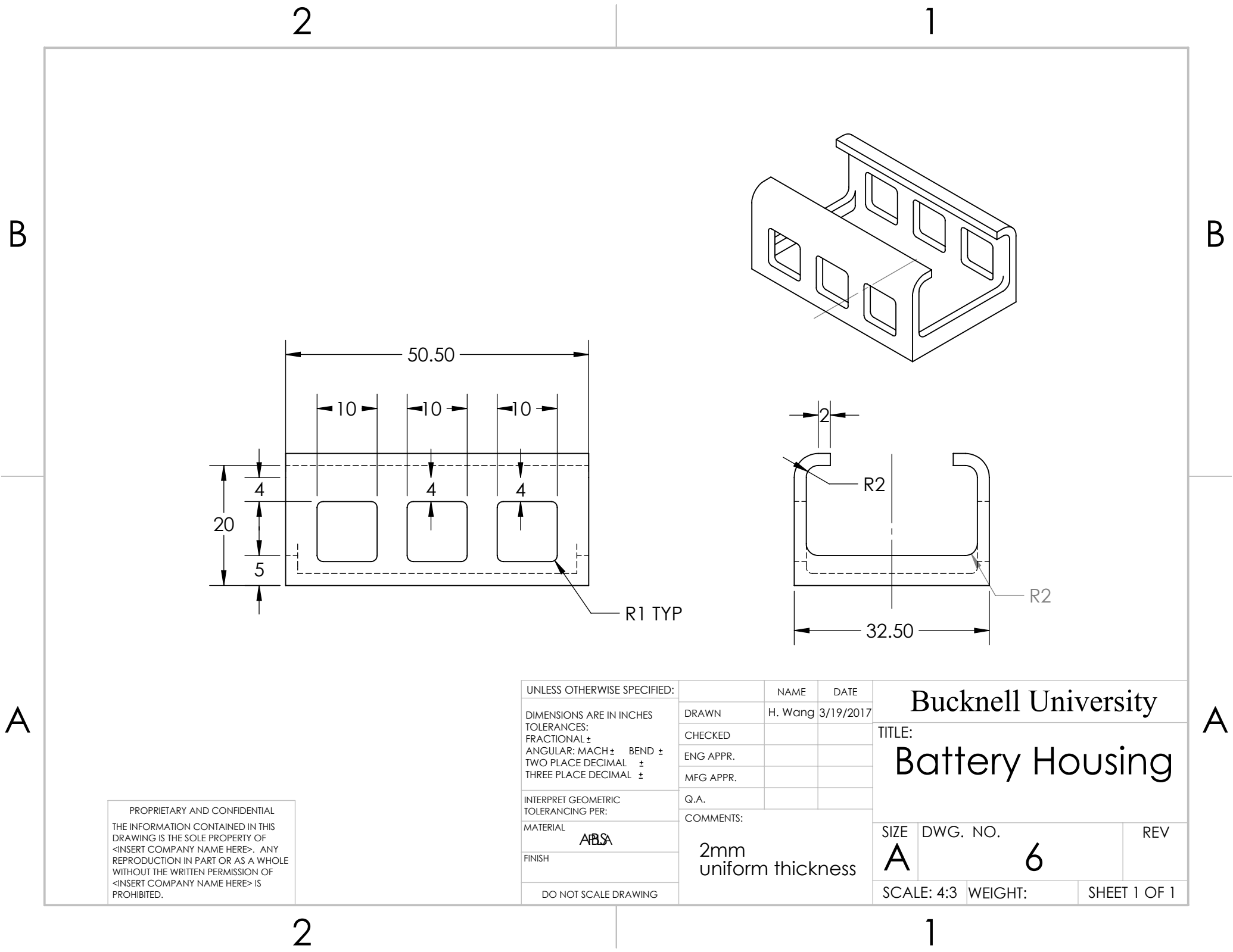
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			DIMENSIONS ARE IN INCHES	DRAWN	H. Wang	04/10/17			
			TOLERANCES: ±0.0005	CHECKED					
			FRACTIONAL ±	ENG APPR.					
			ANGULAR: MACH ± BEND ±	MFG APPR.					
			TWO PLACE DECIMAL ±	Q.A.					
			THREE PLACE DECIMAL ±	COMMENTS:			SIZE	DWG. NO.	REV
			INTERPRET GEOMETRIC TOLERANCING PER:				A	3 & 4	
			MATERIAL						
			Acrylic						
	NEXT ASSY	USED ON	FINISH						
APPLICATION			DO NOT SCALE DRAWING				SCALE: 1:1 WEIGHT: SHEET 1 OF 1		

2

1





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DIMENSIONS ARE IN INCHES  
TOLERANCES:  
FRACTIONAL ±  
ANGULAR: MACH ± BEND ±  
TWO PLACE DECIMAL ±  
THREE PLACE DECIMAL ±

INTERPRET GEOMETRIC  
TOLERANCING PER:

MATERIAL  
**ABSA**

FINISH

DO NOT SCALE DRAWING

DRAWN

NAME

DATE

H. Wang

3/19/2017

CHECKED

ENG APPR.

MFG APPR.

Q.A.

COMMENTS:

2mm  
uniform thickness

Bucknell University

TITLE:

Battery Housing

SIZE

DWG. NO.

REV

**A**

**6**

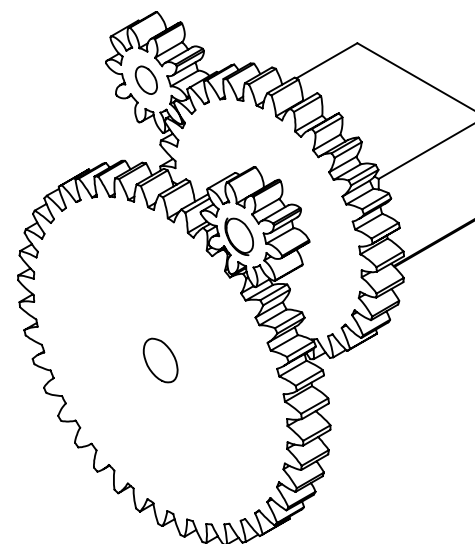
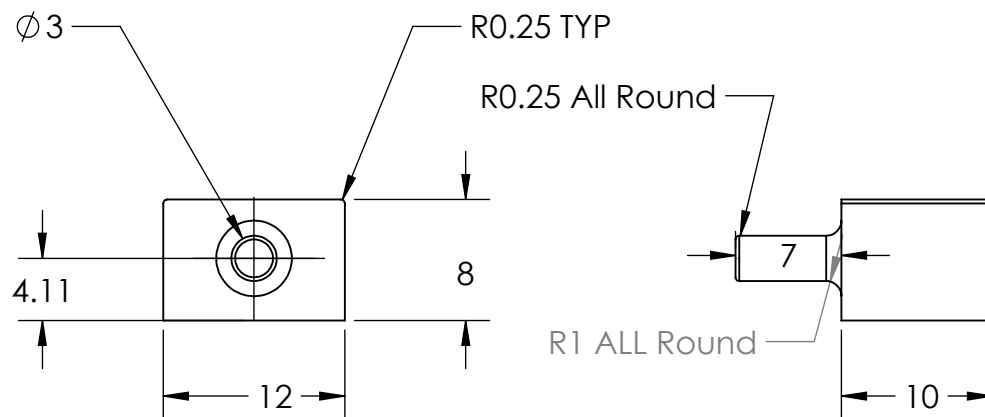
SCALE: 4:3

WEIGHT:

SHEET 1 OF 1

1

B



A

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			DIMENSIONS ARE IN INCHES TOLERANCES: ±0.0005 FRACTIONAL ± ANGULAR: MACH ±    BEND ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ±	DRAWN	H. Wang	04/10/17	TITLE:  Gear Mount & Gear Assembly			
				CHECKED						
				ENG APPR.						
				MFG APPR.						
			INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.			SIZE    DWG. NO.    REV  A    7 & 8			
			MATERIAL  Acrylic	COMMENTS:						
			FINISH							
	NEXT ASSY	USED ON								
	APPLICATION		DO NOT SCALE DRAWING		SCALE: 2:1    WEIGHT:    SHEET 1 OF 1					

1