

## Part Mini Project Exemplars from Spring 2021

4

3

2

1

D

D

C

C

B

B

A

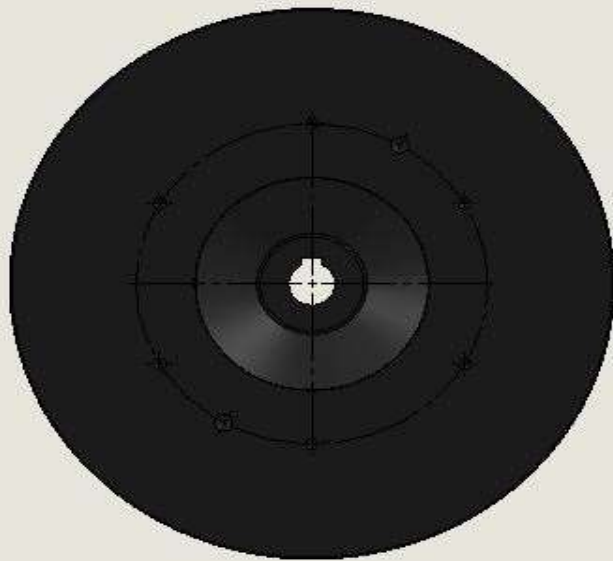
A

4

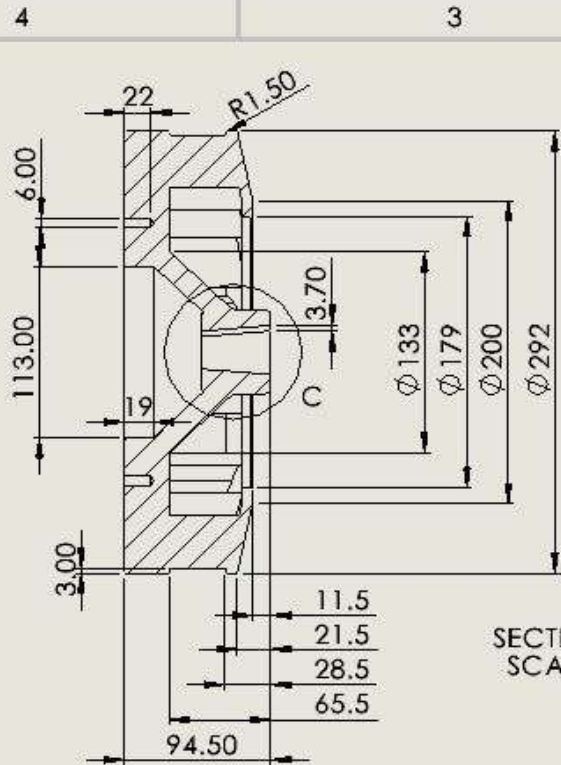
3

2

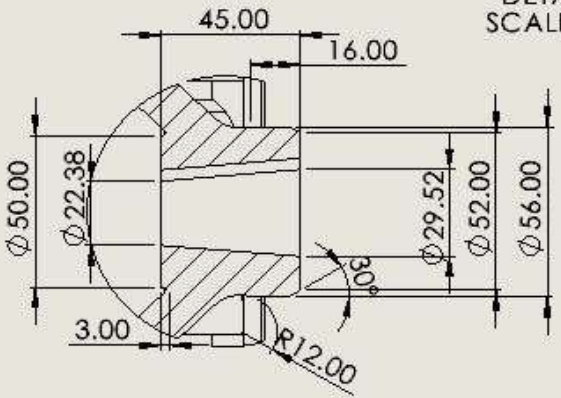
1



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DEFAULT TOLERANCES: LINEAR: X.X ± .25 X.X ± .1 X.XX ± .01 X.XXX ± .002		ANGLUAR: X ± 2 X.X ± 1 X.XX ± 0.30		DISCIPLINE <small>T.E. TRADEMART-BANKER</small> <b>MiniProject</b>	
UNIVERSITY OF IDAHO ME DEPARTMENT				SHEET: 1 OF 3 SCALE: 1:5 REVISION: A	



SECTION A-A  
SCALE 1 : 4

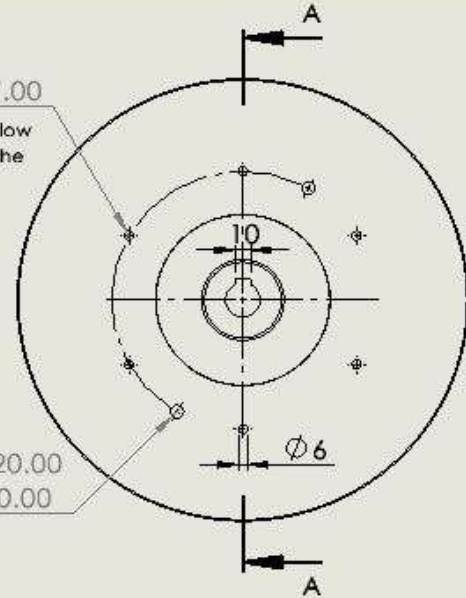


DETAIL C  
SCALE 1 : 2

6 x  $\varnothing 6.00 \nabla 17.00$

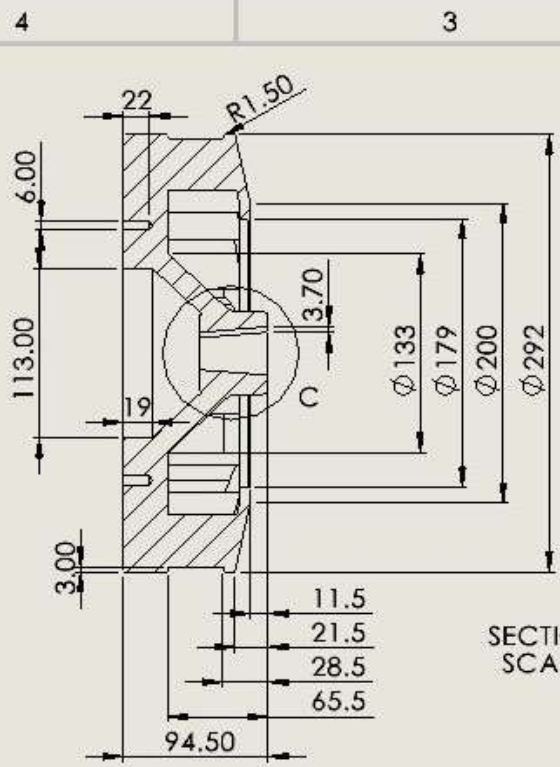
Hole begins 2 mm below  
a clearance hole of the  
same diameter

2 x  $\varnothing 8.50 \nabla 20.00$   
M10 - 6H  $\nabla 20.00$

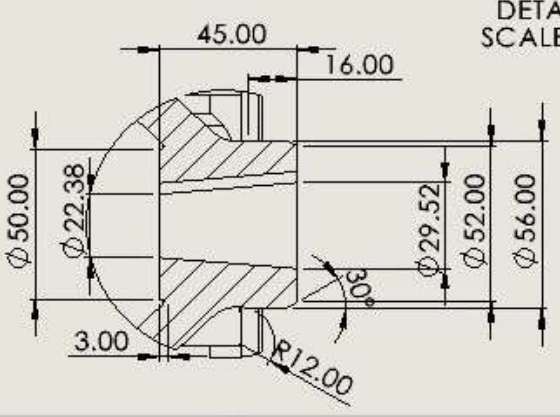


All fillets are 1 mm unless otherwise noted

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DEFAULT TOLERANCES: LINEAR: X.X ± .25 X.X ± .1 X.XX ± .01 X.XXX ± .002		ANGLULAR: X.X ± 2 X.X ± 1 X.XX ± 0.30		UNIVERSITY OF IDAHO <b>ME DEPARTMENT</b>	
FILE NUMBER/PART NUMBER MiniProject_		SHEET 2 OF 3		DRAWING NUMBER A	
		SCALE 1:5			



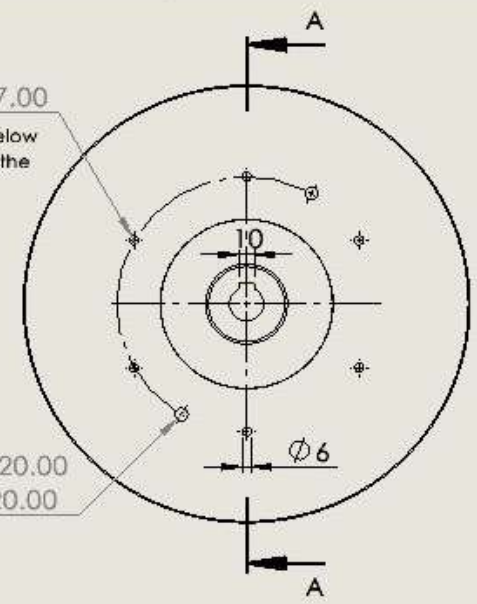
SECTION A-A  
SCALE 1 : 4



DETAIL C  
SCALE 1 : 2

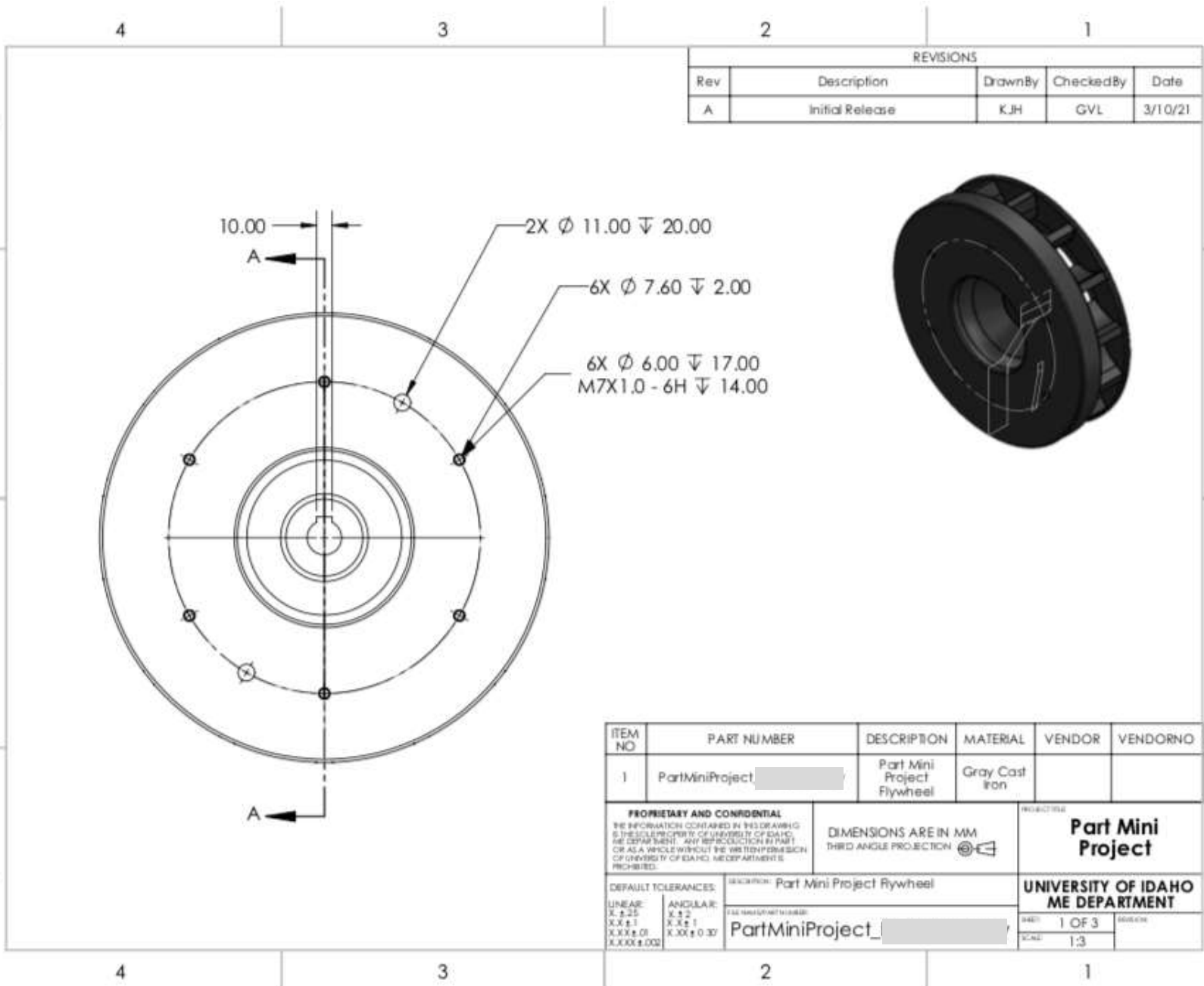
6 x  $\varnothing 6.00 \nabla 17.00$   
Hole begins 2 mm below  
a clearance hole of the  
same diameter

2 x  $\varnothing 8.50 \nabla 20.00$   
M10 - 6H  $\nabla 20.00$



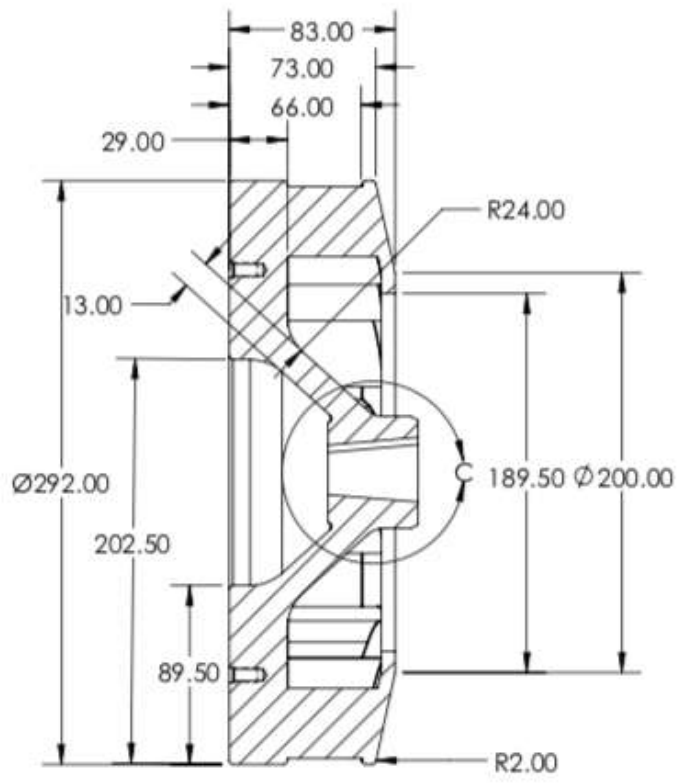
All fillets are 1 mm unless otherwise noted

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DEFAULT TOLERANCES: LINEAR: X.X ± .05 X.XX ± .01 X.XXX ± .002		ANGULAR: X.X ± .2 X.XX ± .1 X.XXX ± 0.001		UNIVERSITY OF IDAHO <b>ME DEPARTMENT</b>
FILE NUMBER & PT NUMBER: <b>MiniProject_</b>		SHEET: 2 OF 3 SCALE: 1:5		REVISION: <b>A</b>

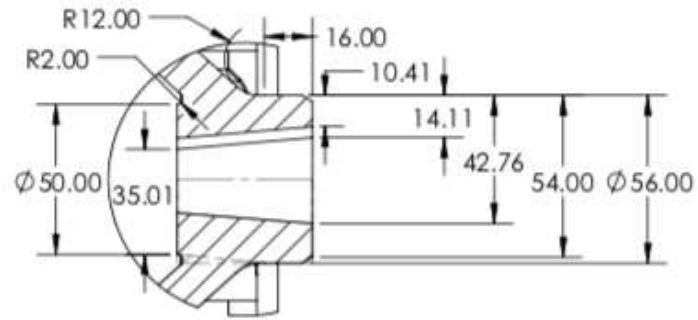


REVISIONS				
Rev	Description	DrawnBy	CheckedBy	Date
A	Initial Release	KJH	GVL	3/10/21

ITEM NO	PART NUMBER	DESCRIPTION	MATERIAL	VENDOR	VENDORN0
1	PartMiniProject_	Part Mini Project Flywheel	Gray Cast Iron		
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DEFAULT TOLERANCES: LINEAR: X ± 0.25 XX ± 1 XXX ± 0.1 XXXX ± 0.02		ANGLUAR: X ± 2 XX ± 1 XXX ± 0.30		UNIVERSITY OF IDAHO ME DEPARTMENT	
SECTION: Part Mini Project Rywheel FILE NUMBER/TITLE: PartMiniProject_			SHEET: 1 OF 3 SCALE: 1:3		



SECTION A-A  
SCALE 1 : 3



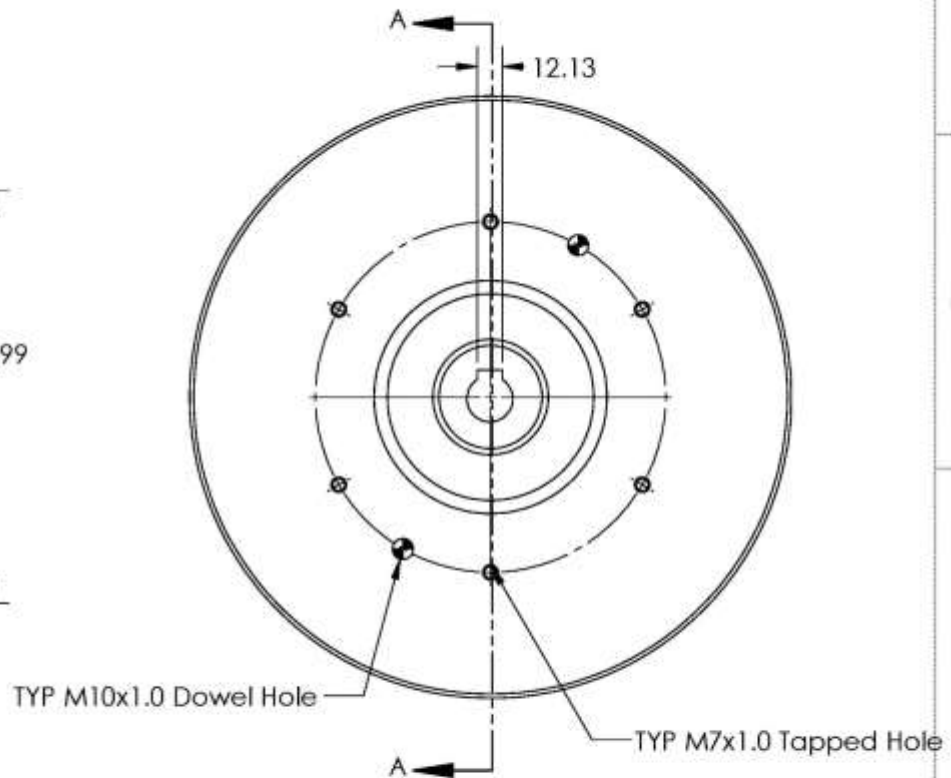
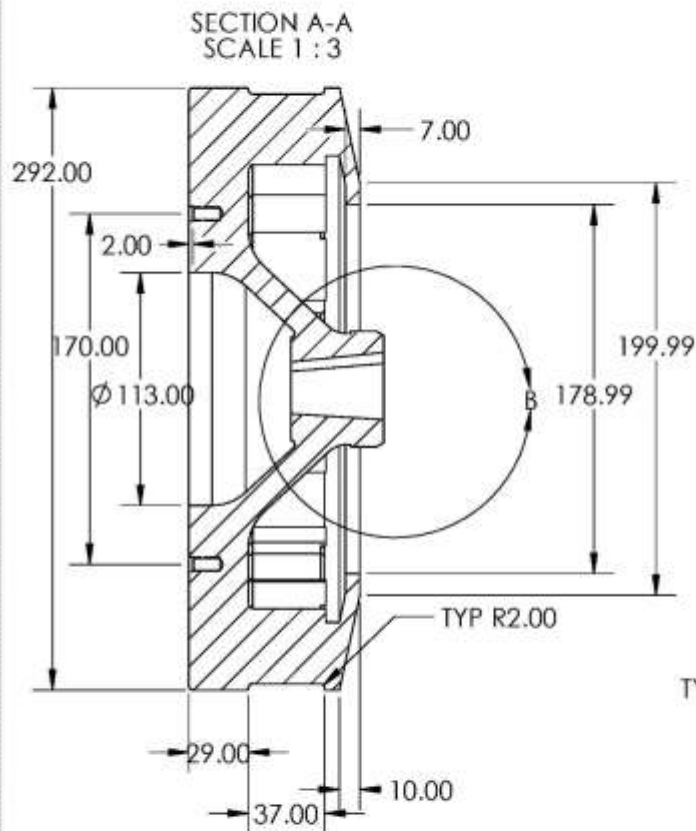
DETAIL C  
SCALE 1 : 2

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DEFAULT TOLERANCES: LINEAR: X ± .25 X.X ± .1 X.XX ± .01 X.XXX ± .001		ANGLE: X ± 2 X.X ± 1 X.XX ± 0.30		UNIVERSITY OF IDAHO ME DEPARTMENT	
DESCRIPTION: Part Mini Project Rywheel		FILE NAME: PartMiniProject_		SHEET: 2 OF 3 SCALE: 1:3	

Honorable mention

ITEM NO	PART NUMBER	DESCRIPTION	MATERIAL	Quantity
1	01-01	ME301 Mini-Project 1	Gray Cast Iron	1

REVISIONS				
Rev	Description	DrawnBy	CheckedBy	Date
A	Fly Wheel Drawing	TG	BS	3/11/21



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DEFAULT TOLERANCES: LINEAR: X ± .25 X.X ± .1 X.XX ± .01 X.XXX ± .002		ANGULAR: X ± 2 X.X ± 1 X.XX ± 0.30		DESCRIPTION: ME301 Mini-Project 1	
UNIVERSITY OF IDAHO ME DEPARTMENT				SHEET: 1 OF 2 SCALE: 1:3 REVISION: A	
ME301 Mini-Project 1					



