

FRANCISCO CEREZO VALVERDE

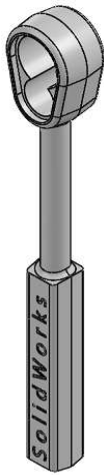
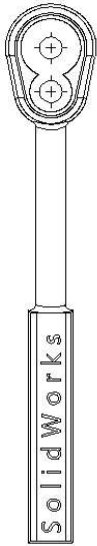
SOLIDWORKS PORTFOLIO

I am a 3D CAD designer with a strong focus on precision, functionality, and clean aesthetics. This portfolio showcases a selection of my design work, highlighting my skills in 3D modeling, technical detailing, and problem-solving across different projects and applications.

Index:

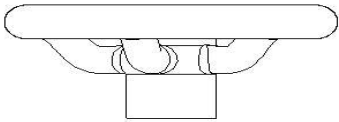
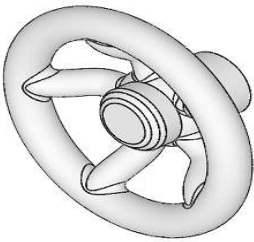
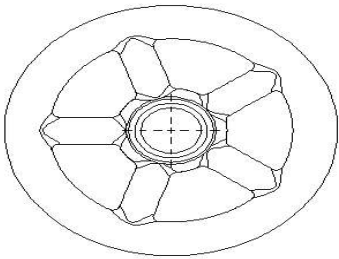
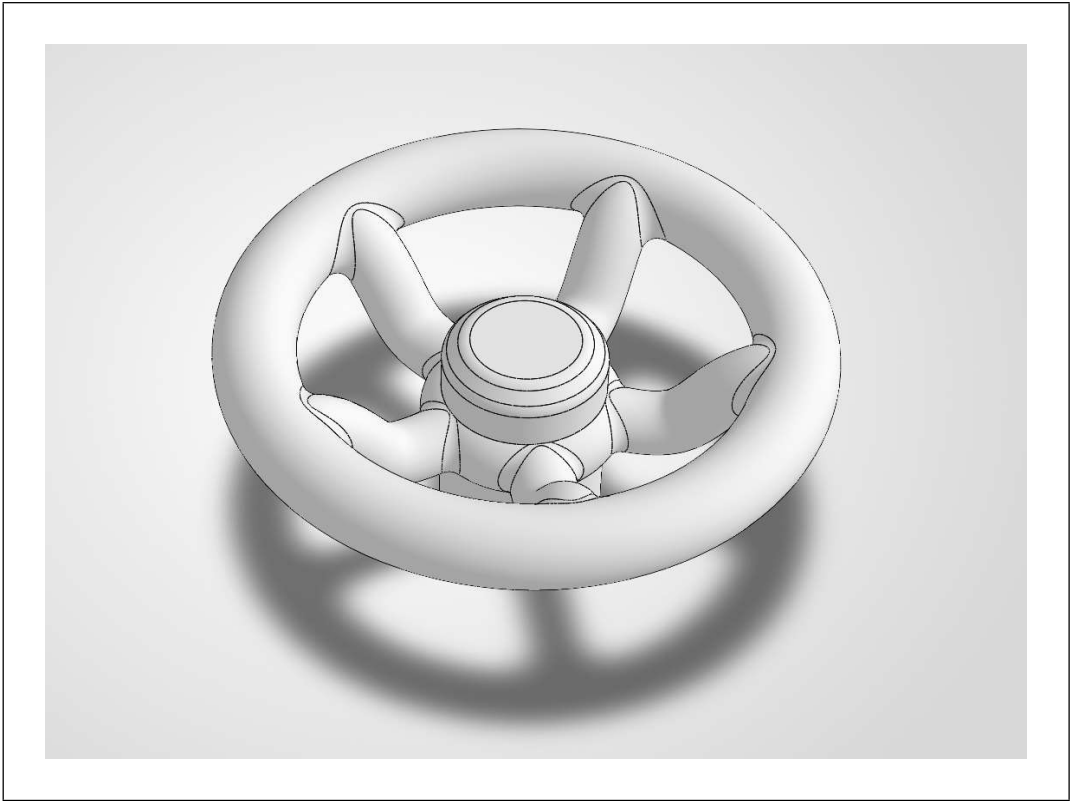
1. Ratchet
2. Hand wheel
3. Assembly from given parts
4. Bluetooth headgear assembly from given and modified parts
5. Part 5
6. Electronics component fan
7. Boat
8. Turbine filter
9. Metal sheet cover
10. Metal sheet Part
11. Assembly from designed parts
12. Wheel from 2D .dxf/.dwg to 3D model
13. Curved bottle with helix at top
14. Icebox chiller
15. Sheet metal PC tower cover
16. Sheet metal Oven Exhaust hood
17. Sheet metal cylinder
18. Lofted sheet metal
19. Cover ready for casting (Draft analysis on)
20. Cover casting mold

RATCHET



		UNLESS OTHERWISE SPECIFIED:	NAME	DATE	TITLE:
		DIMENSIONS ARE IN INCHES	DRAWN		
		TOLERANCES:	CHECKED:		
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		ANGULAR: MACH \pm BEND \pm			
		TWO PLACE DECIMAL \pm			

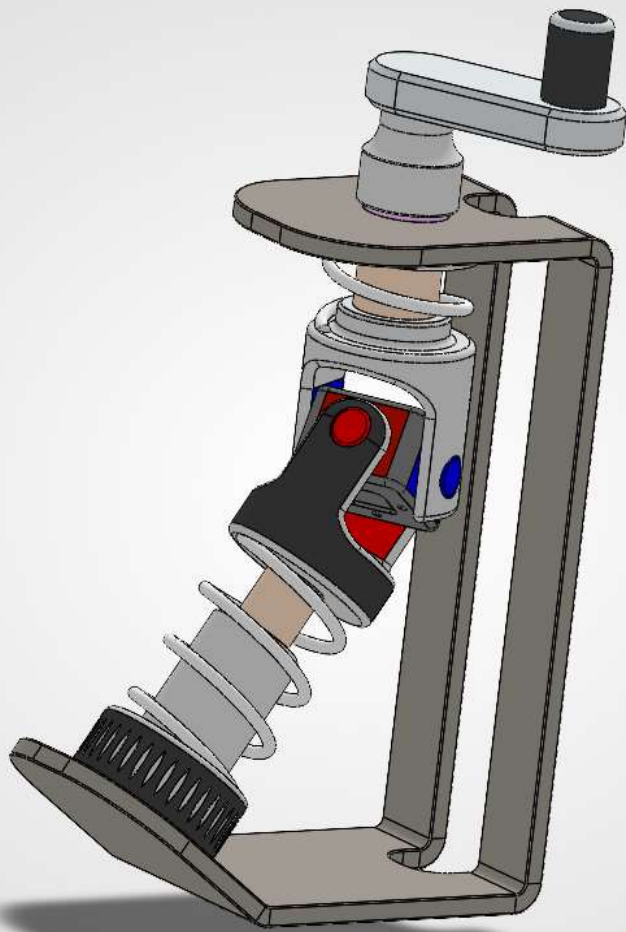
HANDWHEEL



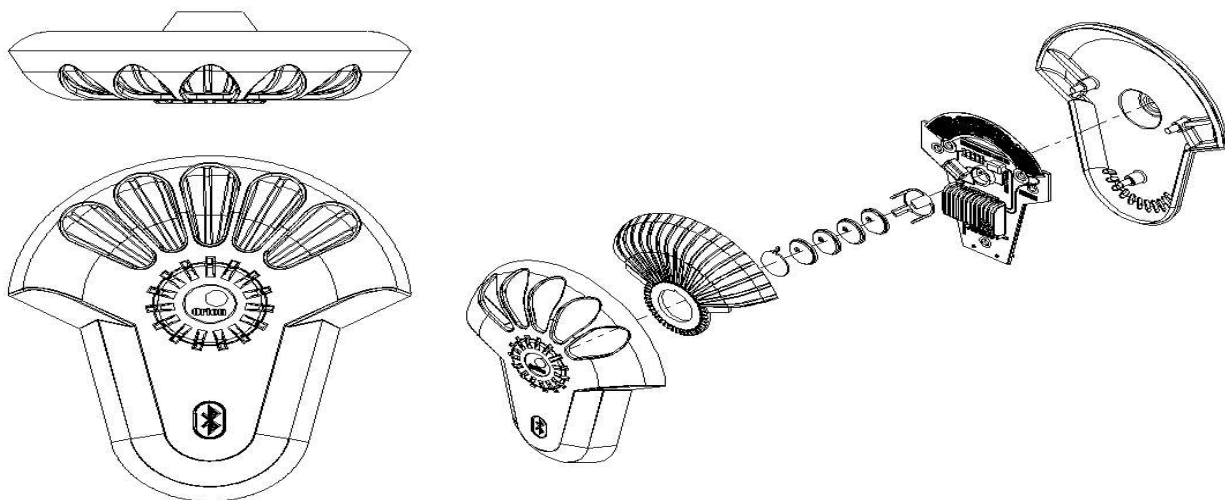
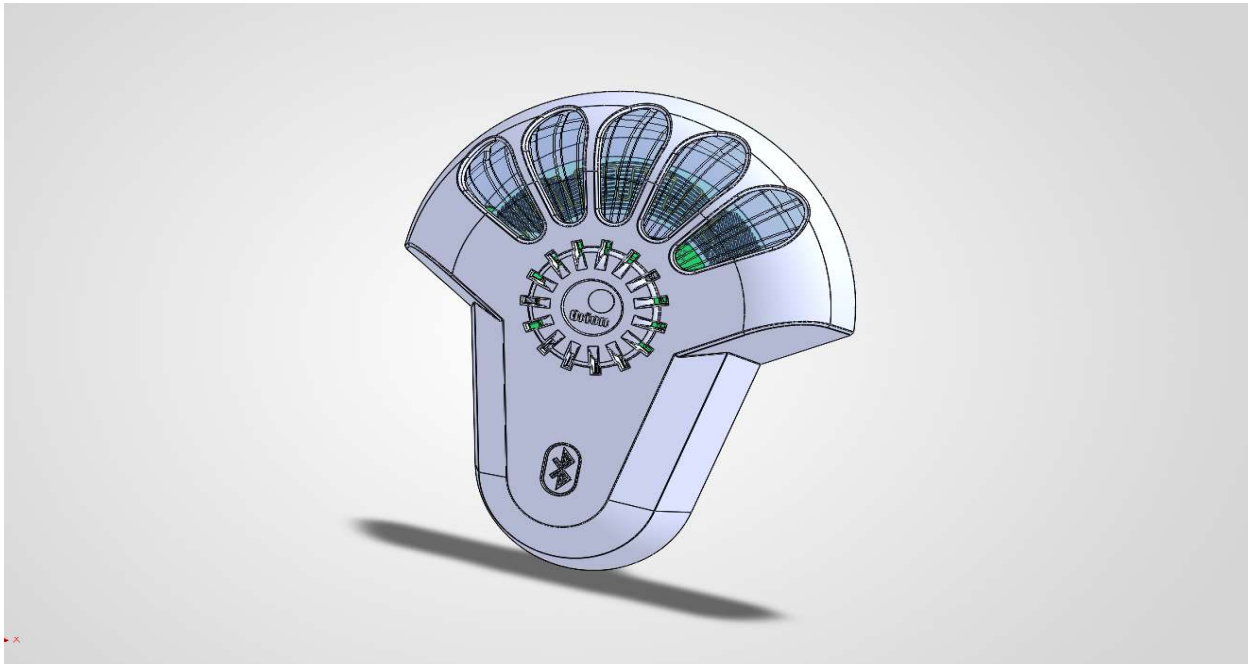
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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE:
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		ANGULAR: BACH \pm BEND \pm		MFG APPR.		
		TWO PLACE DECIMAL \pm		Q.A.		SIZE DWG. NO. REV
		THREE PLACE DECIMAL \pm		COMMENTS:		
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		MATERIAL				
NEXT ASSY		USED ON				1
APPLICATION		DO NOT SCALE DRAWING				

ASSEMBLY FROM GIVEN PARTS



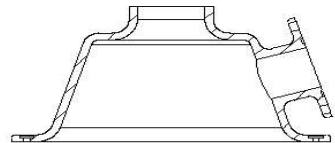
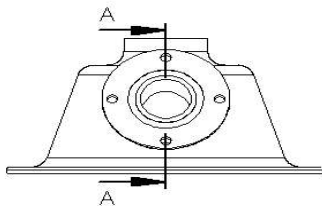
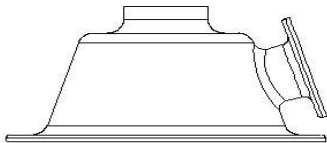
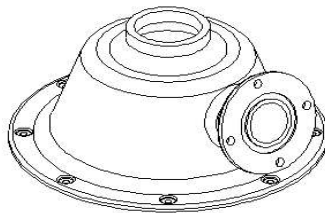
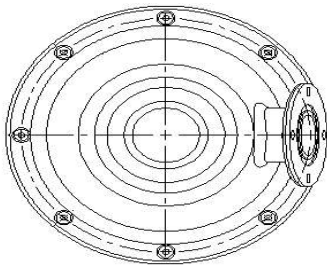
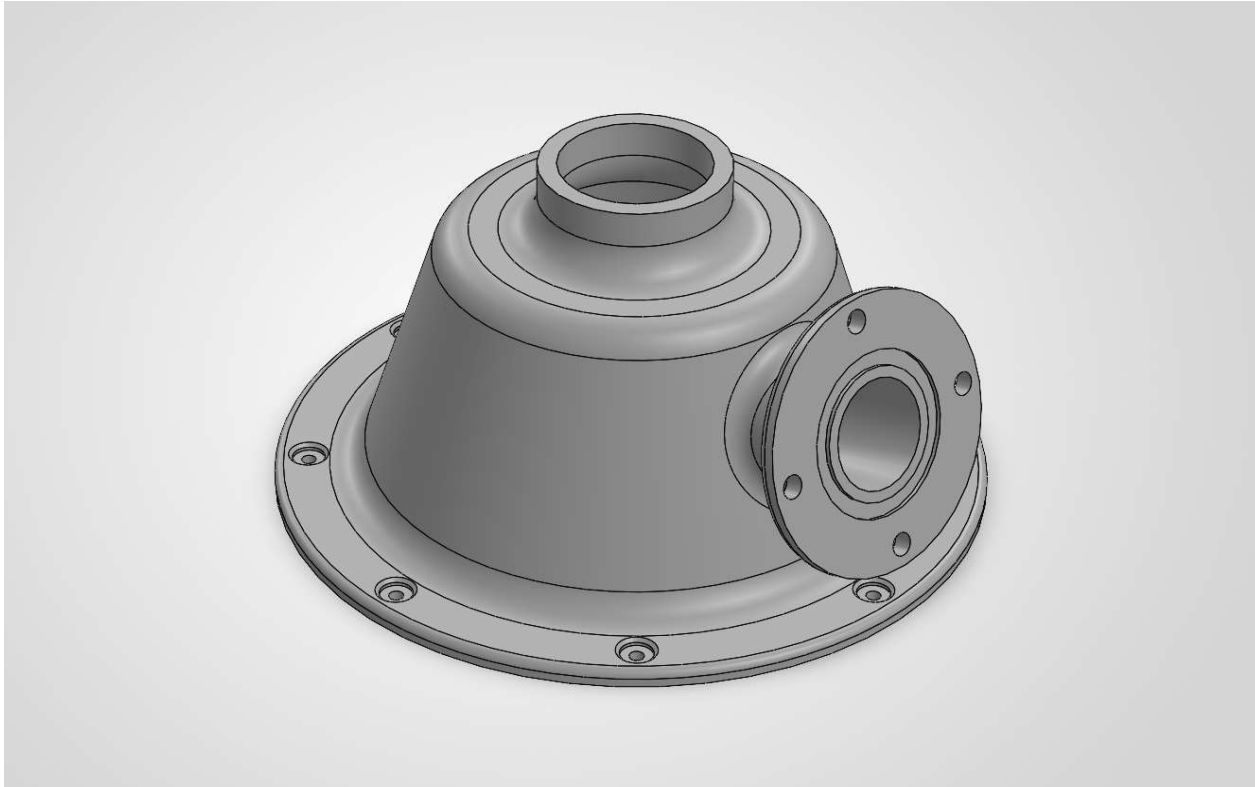
BLUETOOTH HEADGEAR ASSEMBLY FROM GIVEN AND MODIFIED PARTS



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		FRACTIONAL 2	ENG APPR.		
		ANGULAR: MACH 2 BEND 2	WFG APPR.		
		TWO PLACE DECIMAL 3	O.A.		SIZE DWG. NO. REV
		THREE PLACE DECIMAL 2	COMMENTS:		
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		MATERIAL			
		FINISH			
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	APPLICATION	DO NOT SCALE DRAWING			

PART 5



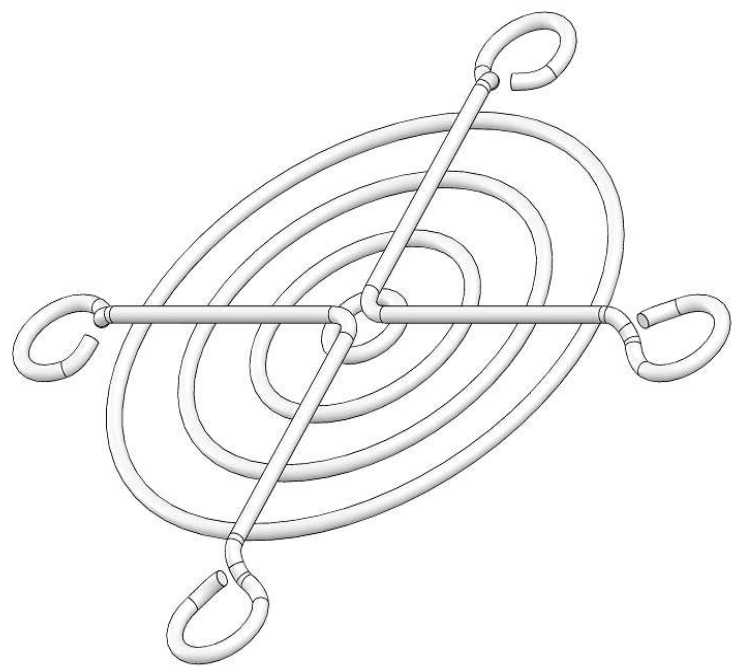
SECTION A-A

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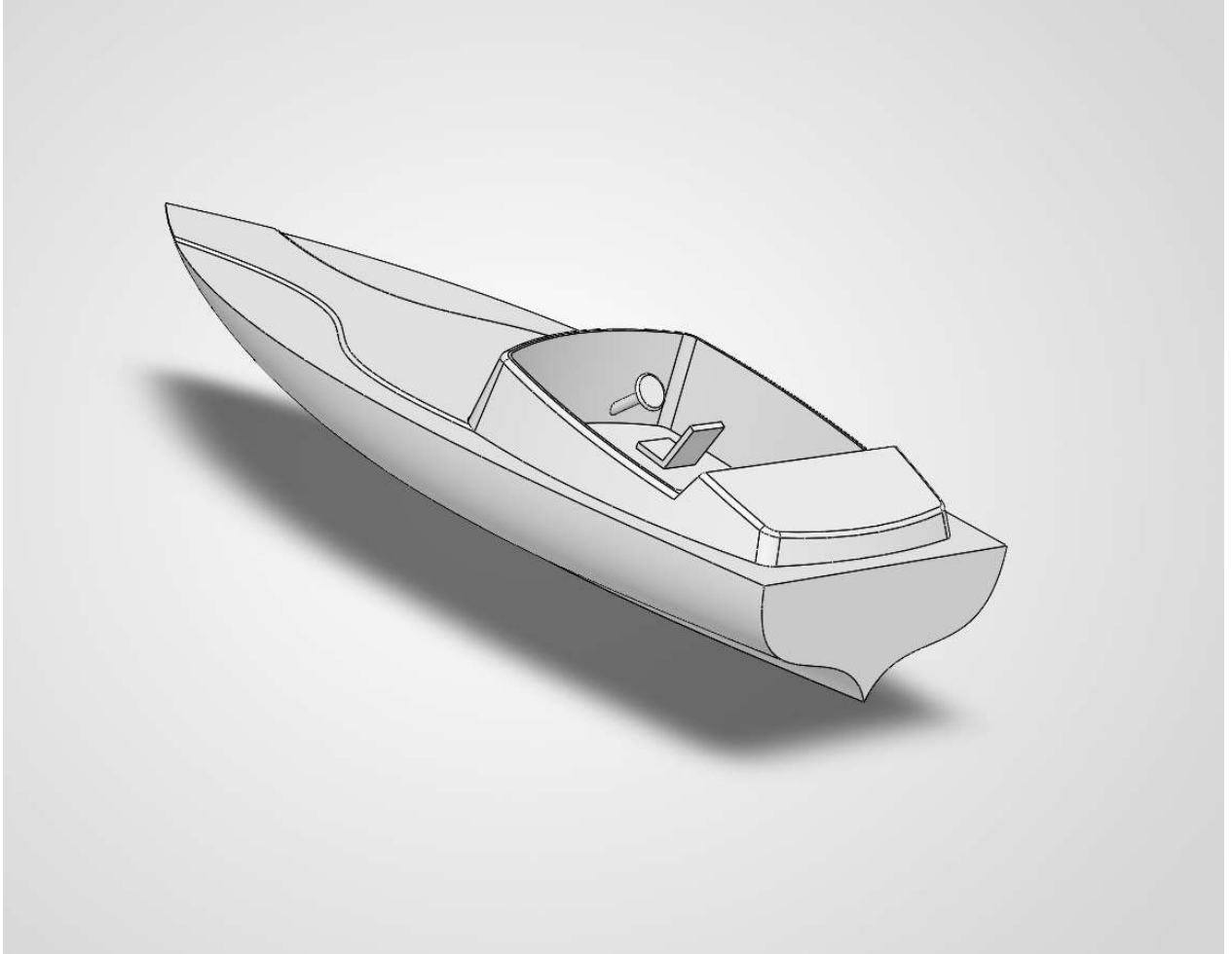
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		TWO PLACE DECIMAL 2			
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		TOLERANCING PER:			
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TITLE:

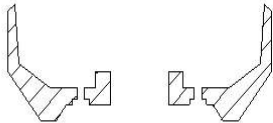
ELECTONICS COMPONENT FAN



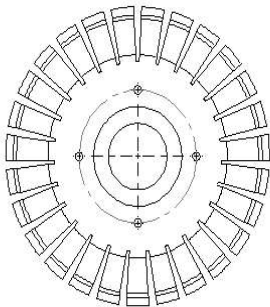
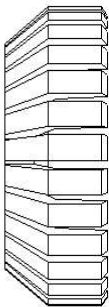
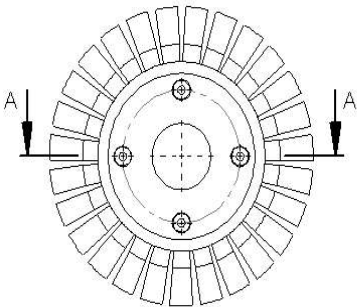
BOAT



TURBINE FILTER

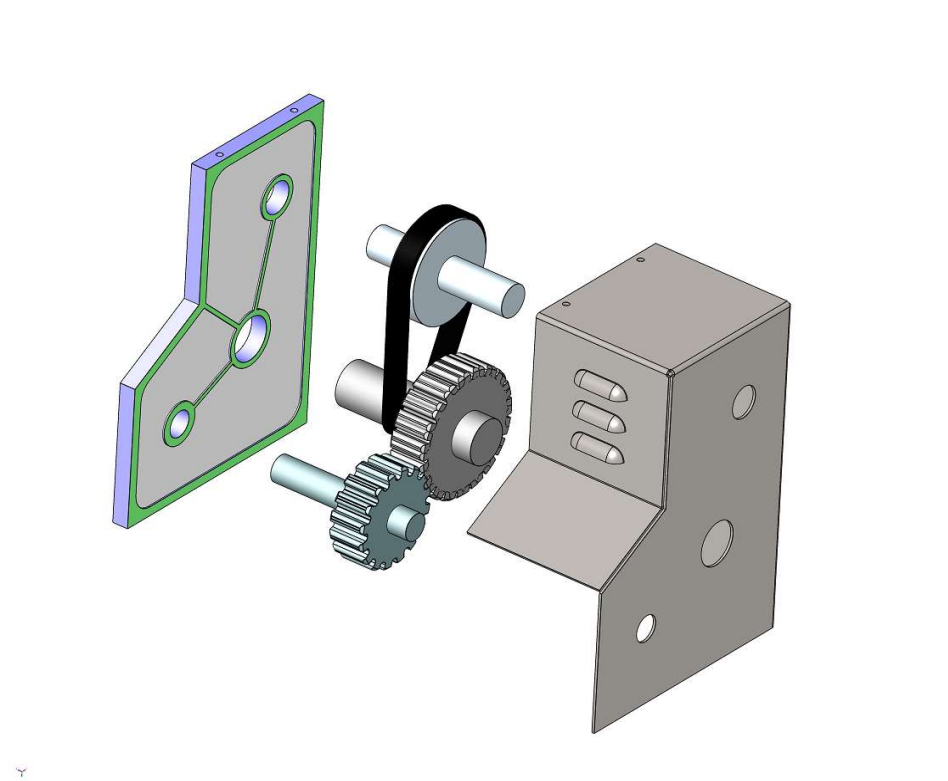
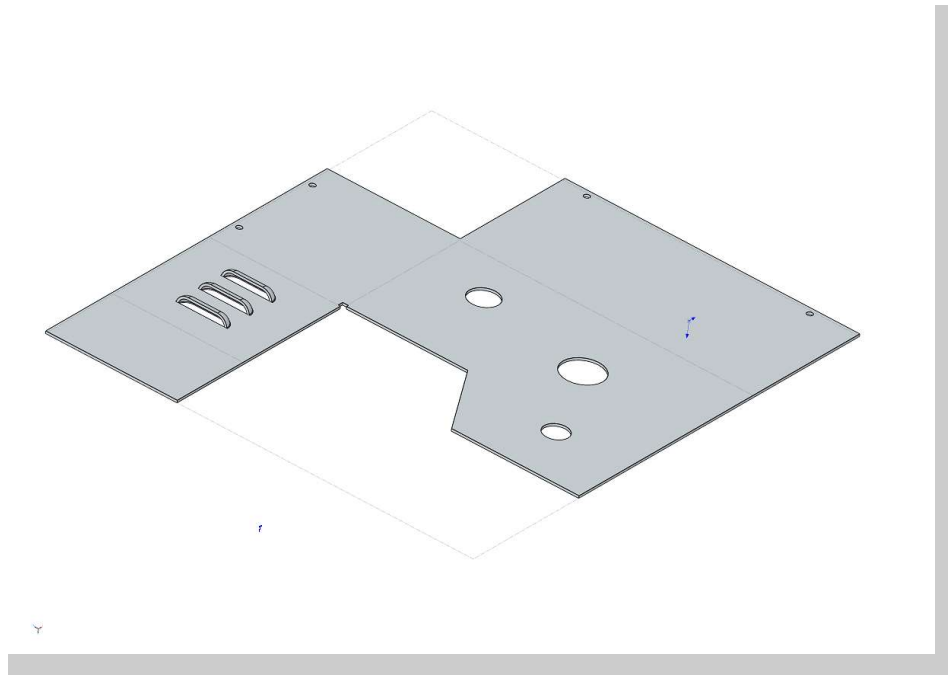


SECTION A-A

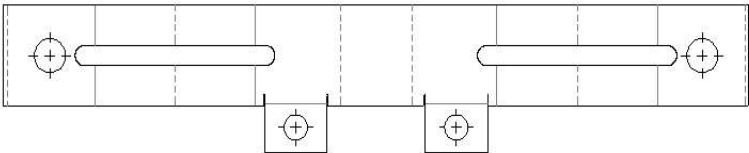
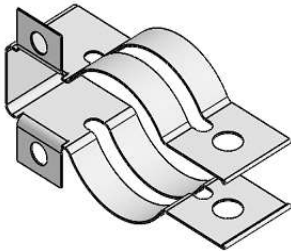
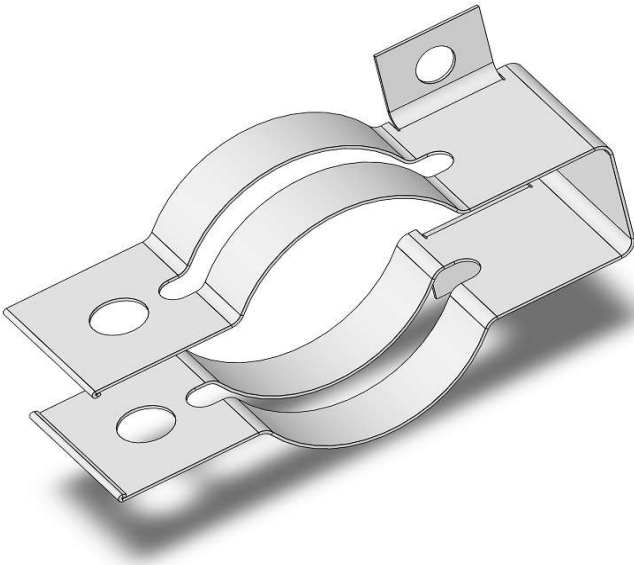


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		TWO PLACE DECIMAL 1			

METAL SHEET COVER

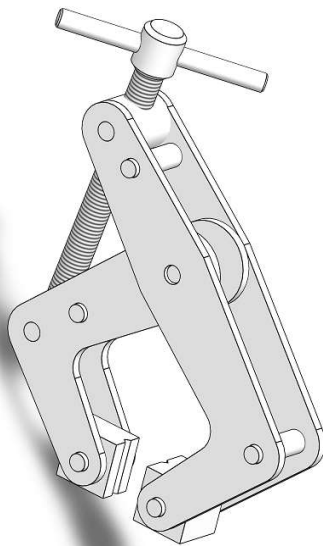


METAL SHEET PART

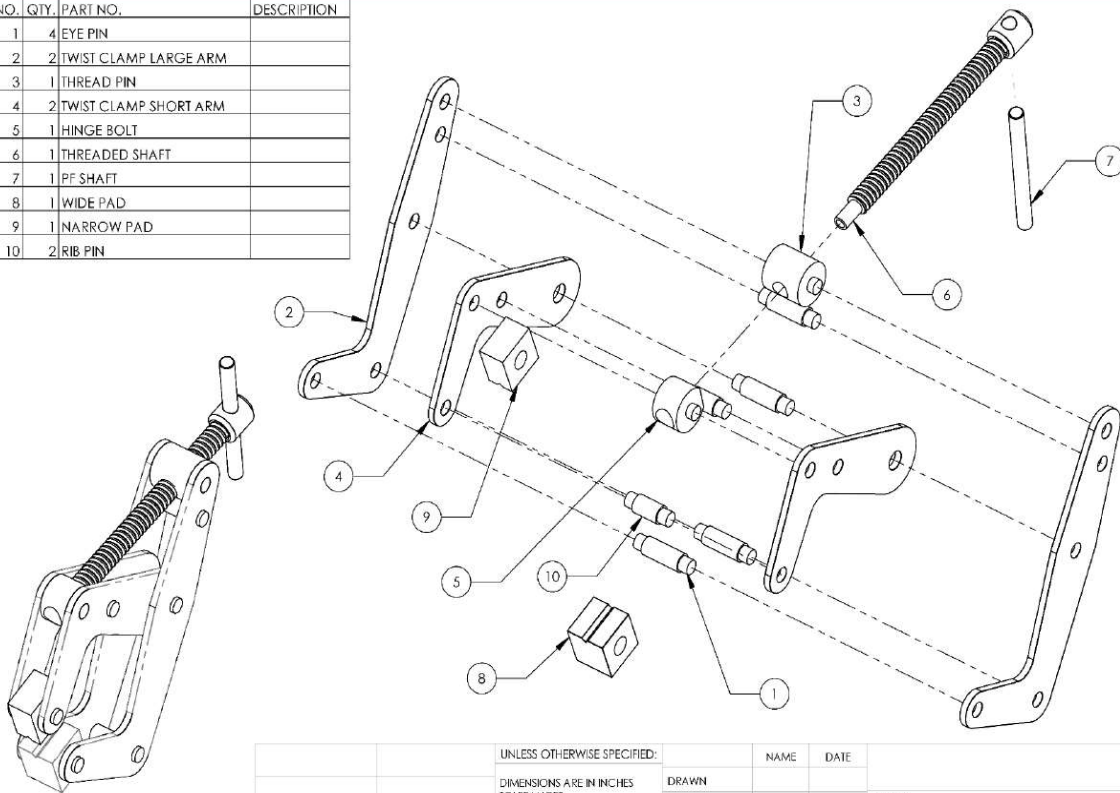


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		ANGULAR: MACH \pm BEND \pm				
		TWO PLACE DECIMAL \pm				

ASSEMBLY FROM DESIGNED PARTS

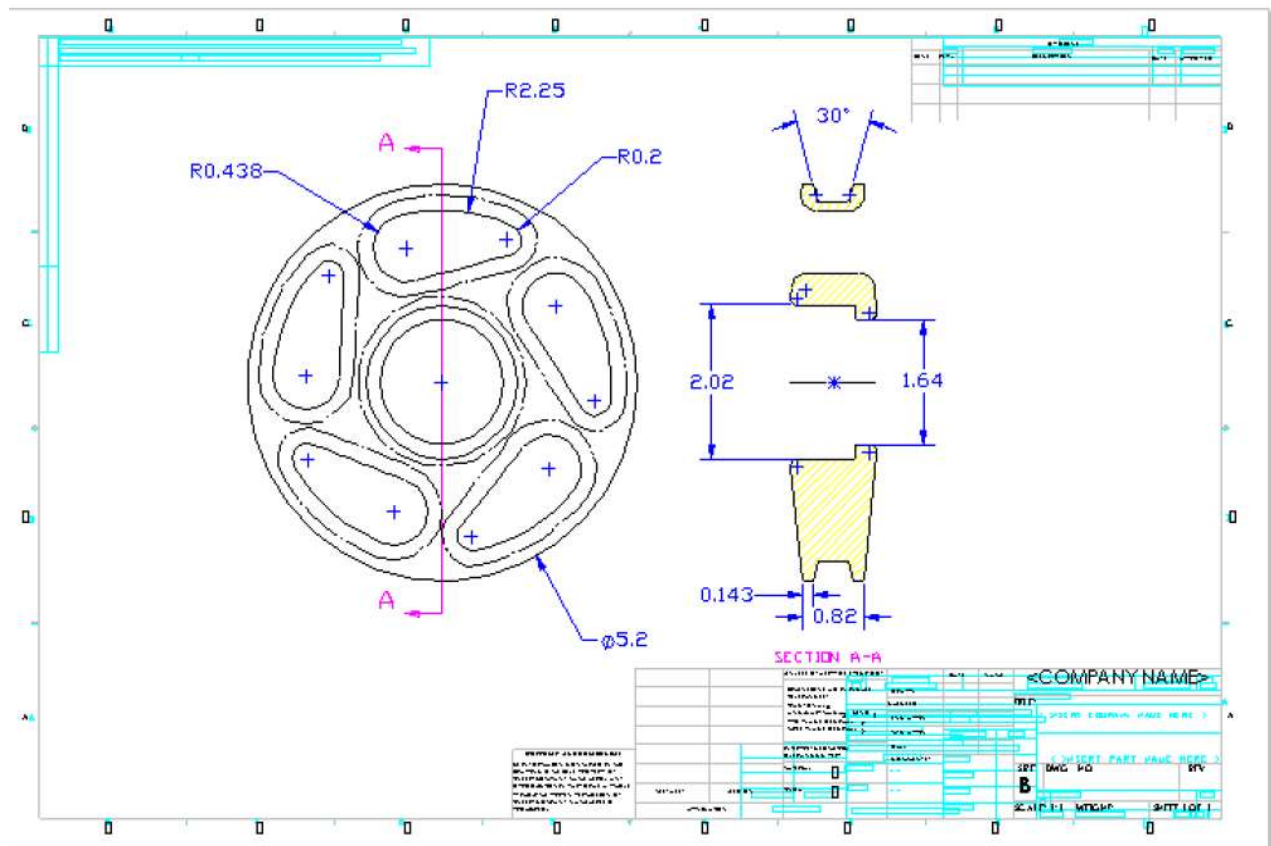
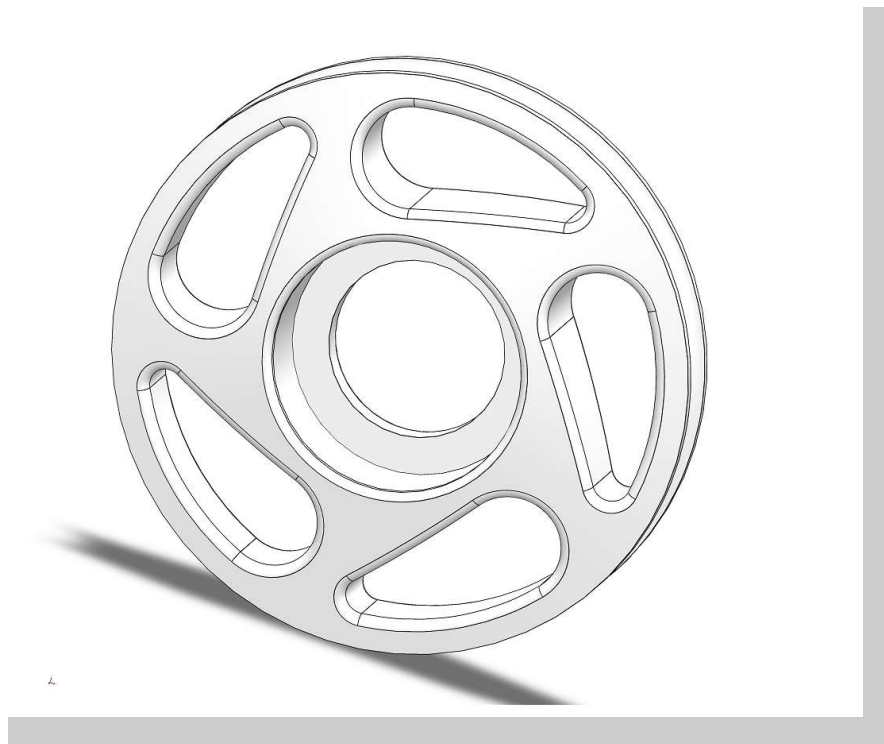


ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	4	EYE PIN	
2	2	TWIST CLAMP LARGE ARM	
3	1	THREAD PIN	
4	2	TWIST CLAMP SHORT ARM	
5	1	HINGE BOLT	
6	1	THREADED SHAFT	
7	1	PF SHAFT	
8	1	WIDE PAD	
9	1	NARROW PAD	
10	2	RIB PIN	

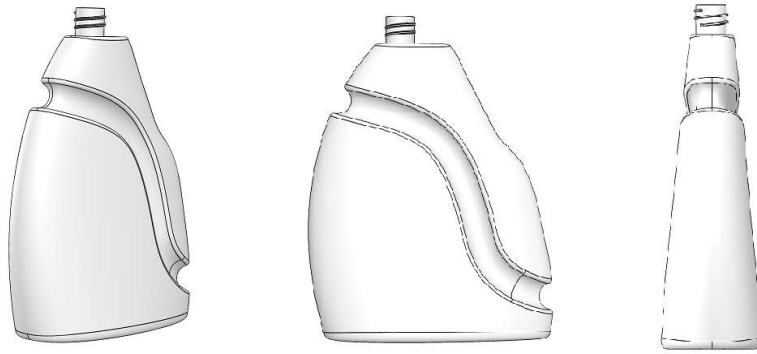


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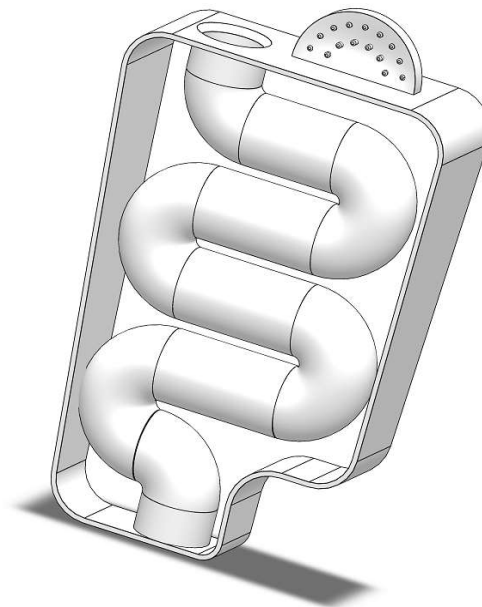
WHEEL FROM 2D DXF/DWG TO 3D MODEL



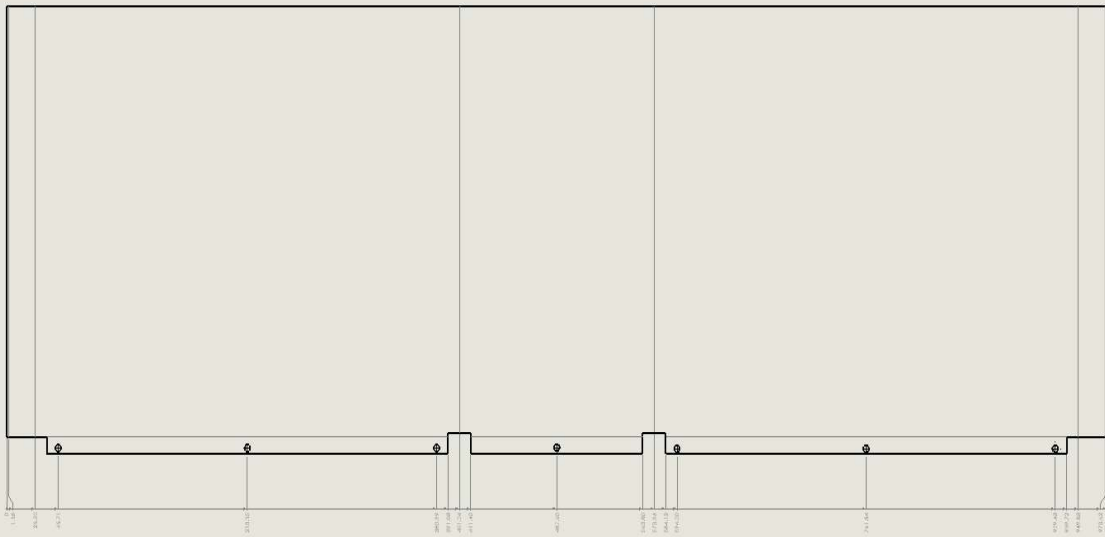
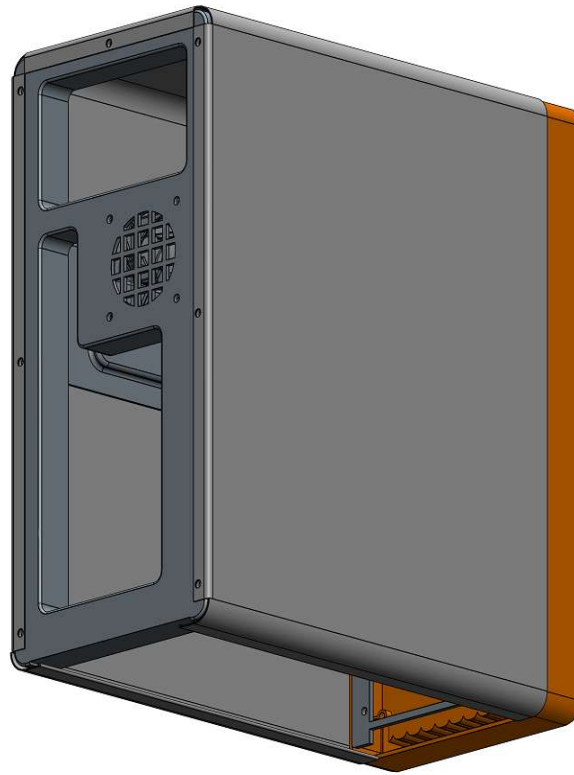
CURVED SURFACES BOTTLE WITH HELIX AT TOP



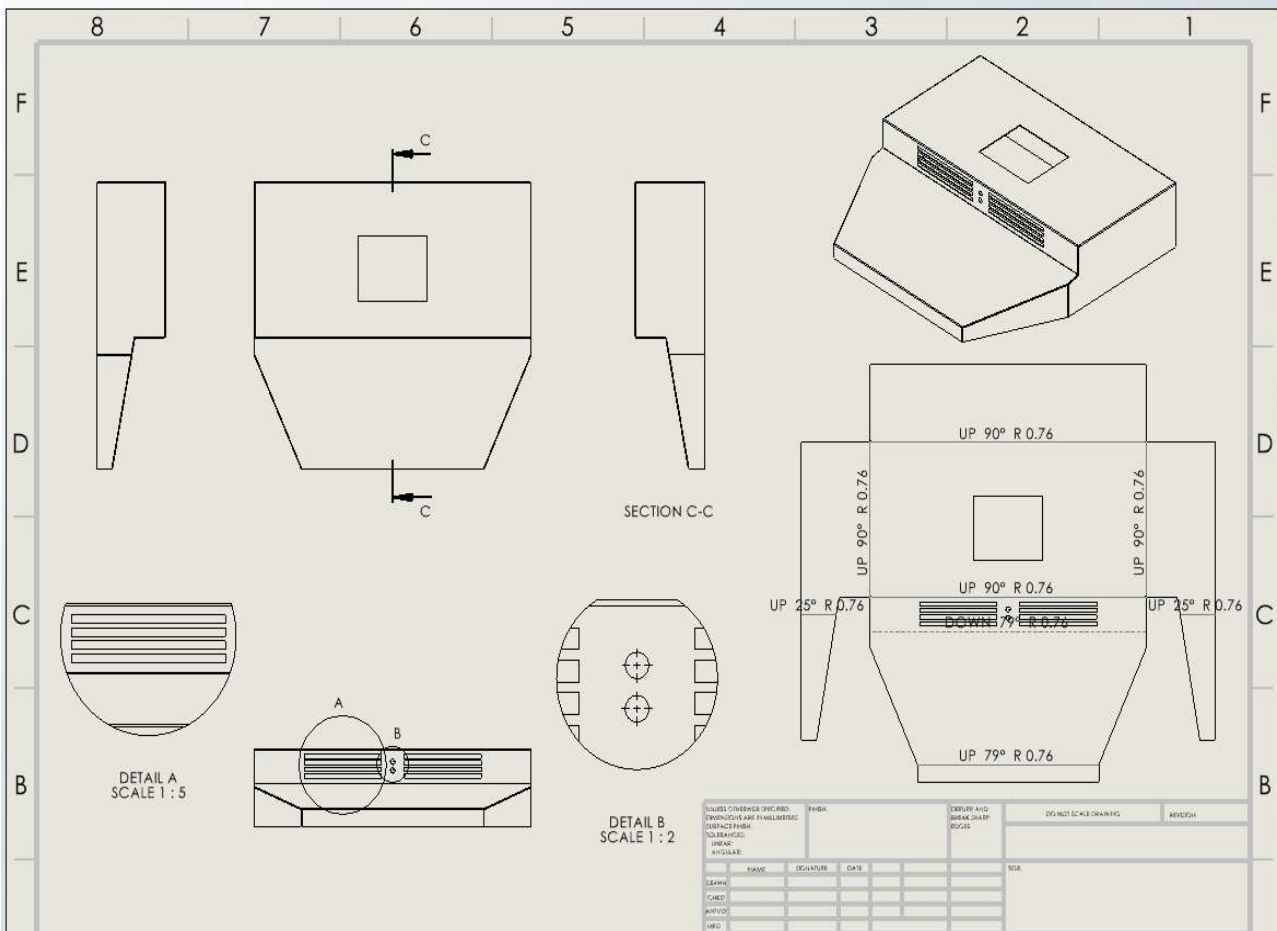
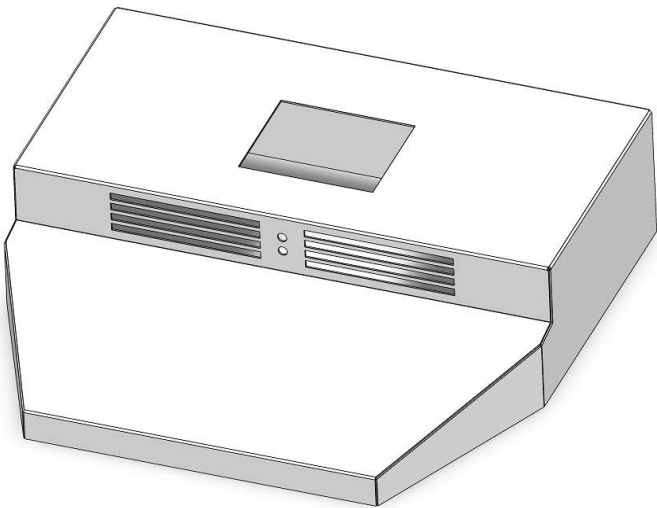
ICEBOX CHILLER



SHEET METAL PC TOWER COVER



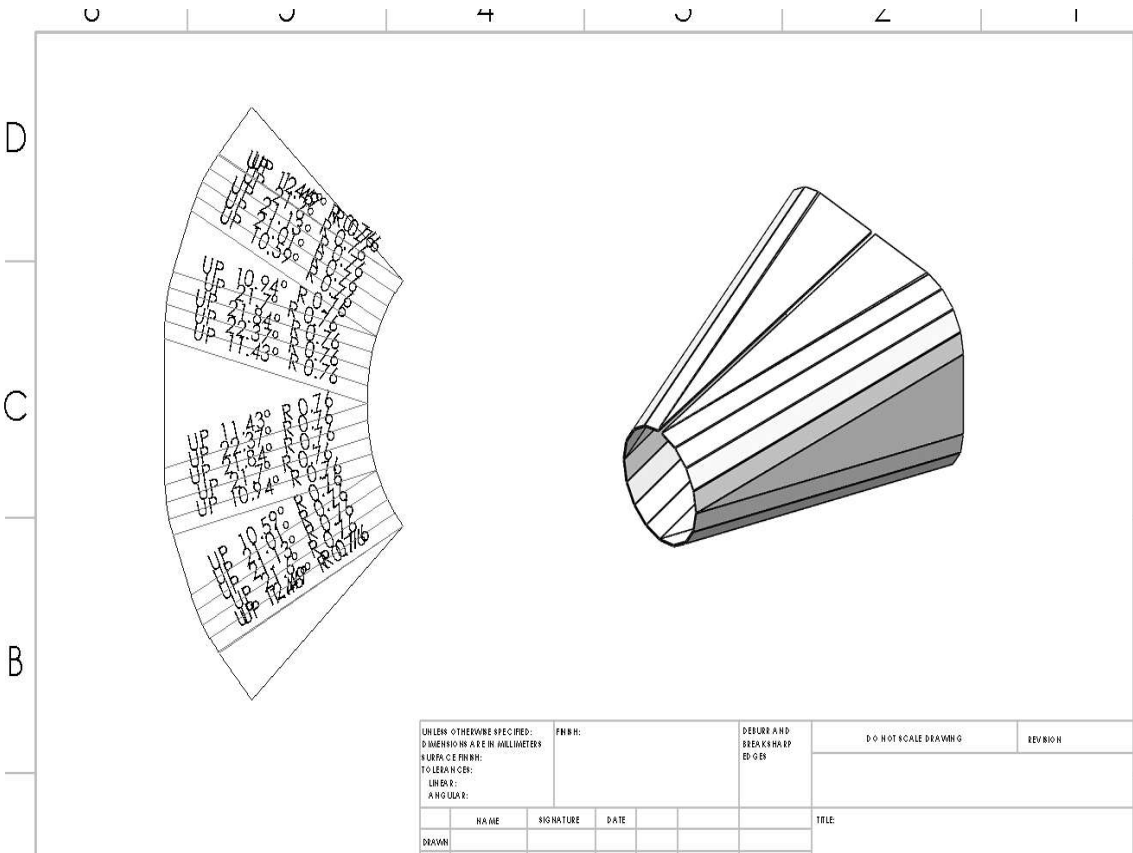
SHEET METAL OVEN EXHAUST HOOD



SHEET METAL CYLINDER



LOFTED SHEET METAL



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	VALVE COVER		1
2	CAVITY		1
3	CORE		1

SECTION B-B

SECTION A-A

SECTION B-B

SECTION A-A

SECTION B-B

SECTION A-A

SECTION B-B

SECTION A-A

SECTION B-B

SECTION A-A

SECTION B-B

SECTION A-A

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