

FRANCISCO CEREZO VALVERDE

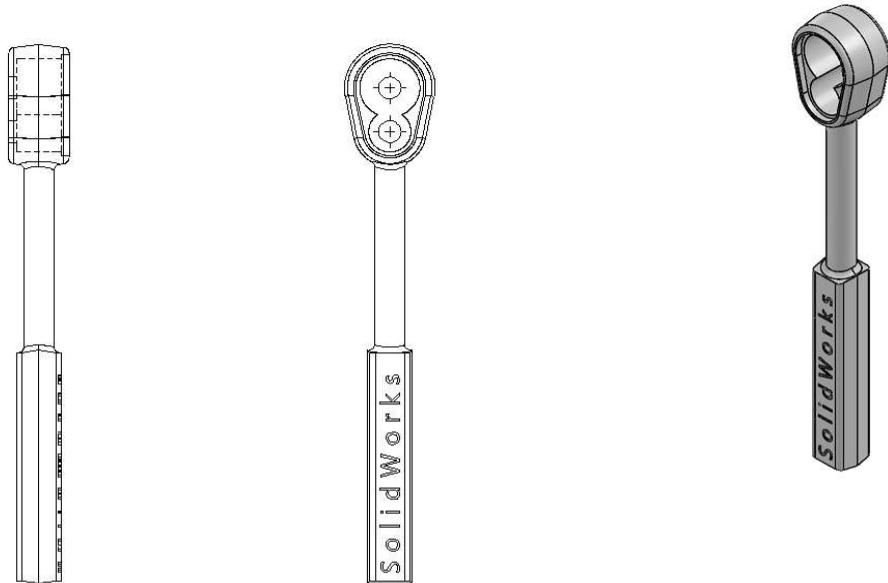
SOLIDWORKS PORTFOLIO

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:

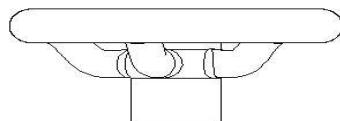
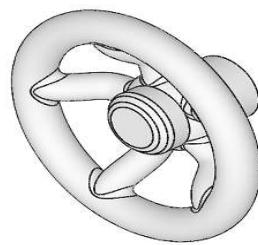
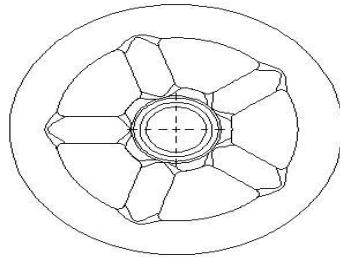
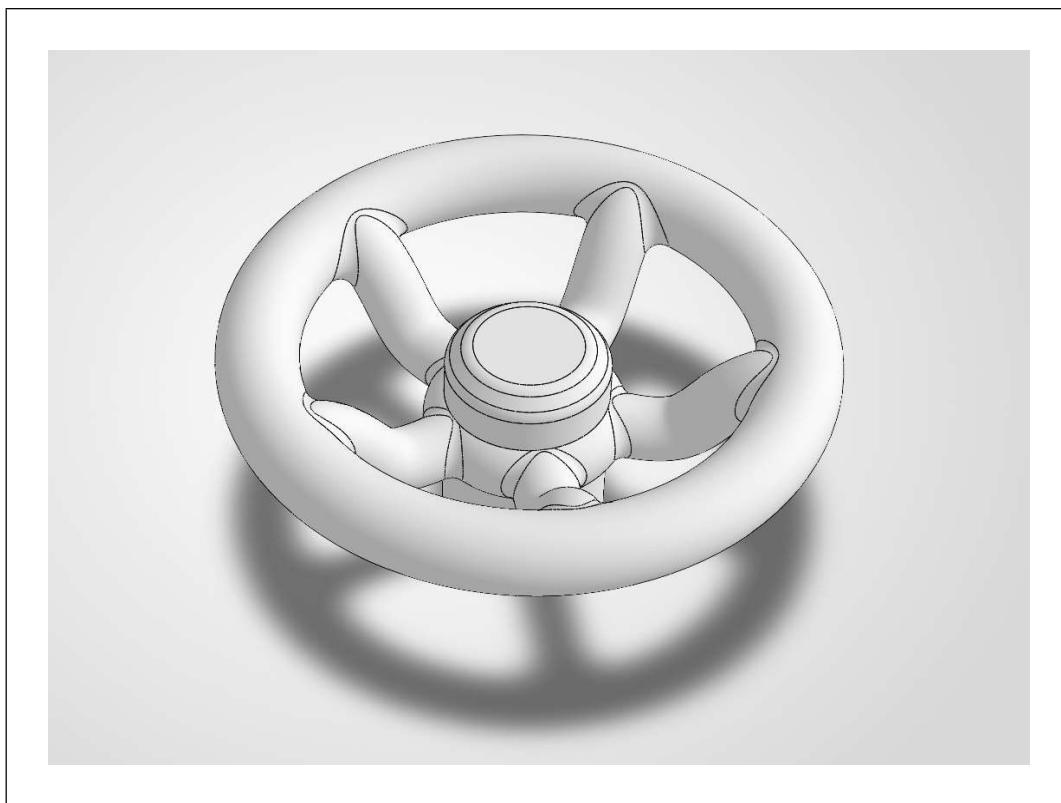
1. Ratchet
2. Hand wheel
3. Assembly from given parts
4. Bluetooth headgear assembly from given and modified parts
5. Part 5
6. Electronics component fan
7. Boat
8. Turbine filter
9. Metal sheet cover
10. Metal sheet Part
11. Assembly from designed parts
12. Wheel from 2D .dxf/.dwg to 3D model
13. Curved 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
21. Small steam engine clamp
22. Small steam engine clamp mold

RATCHET



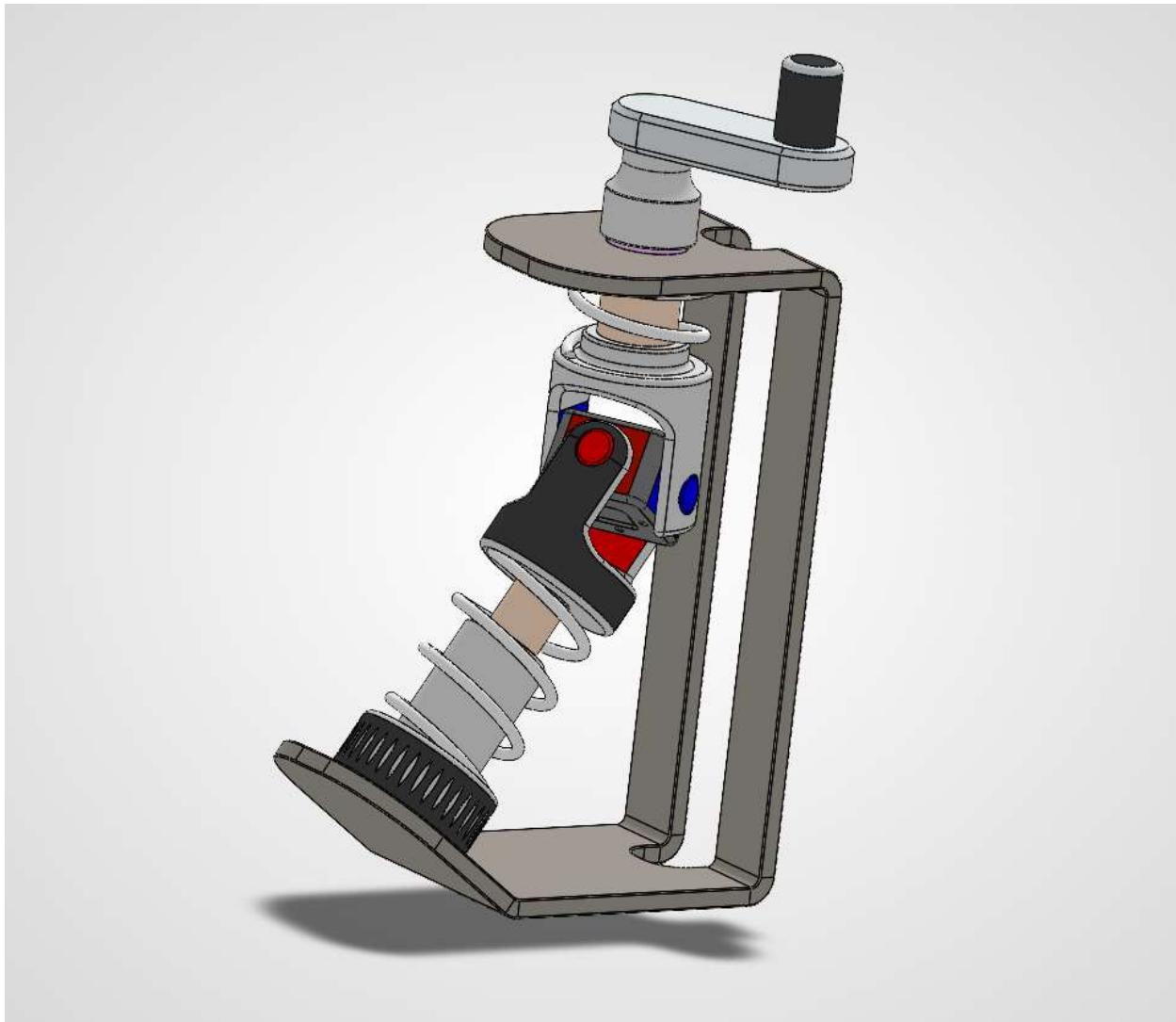
		UNLESS OTHERWISE SPECIFIED:			
		DIMENSIONS ARE IN INCHES	DRAWN	NAME	DATE
		TOLERANCES:			
		FRACTIONAL:	CHECKED		
		ANGULAR: MACH. ± BEND ±			
		TWO PLACE DECIMAL: .1	ENG APPR.		

HANDWHEEL

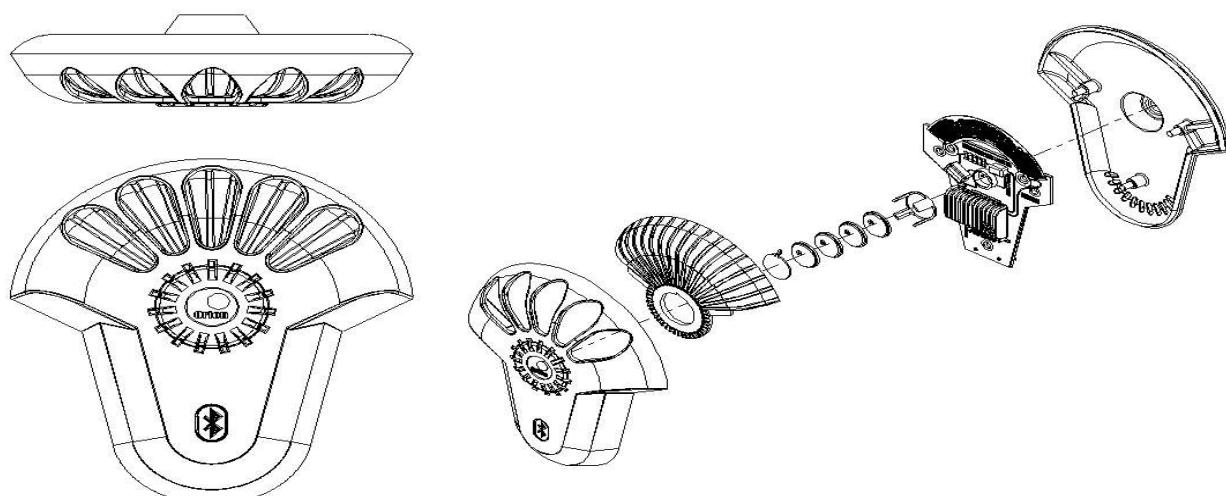
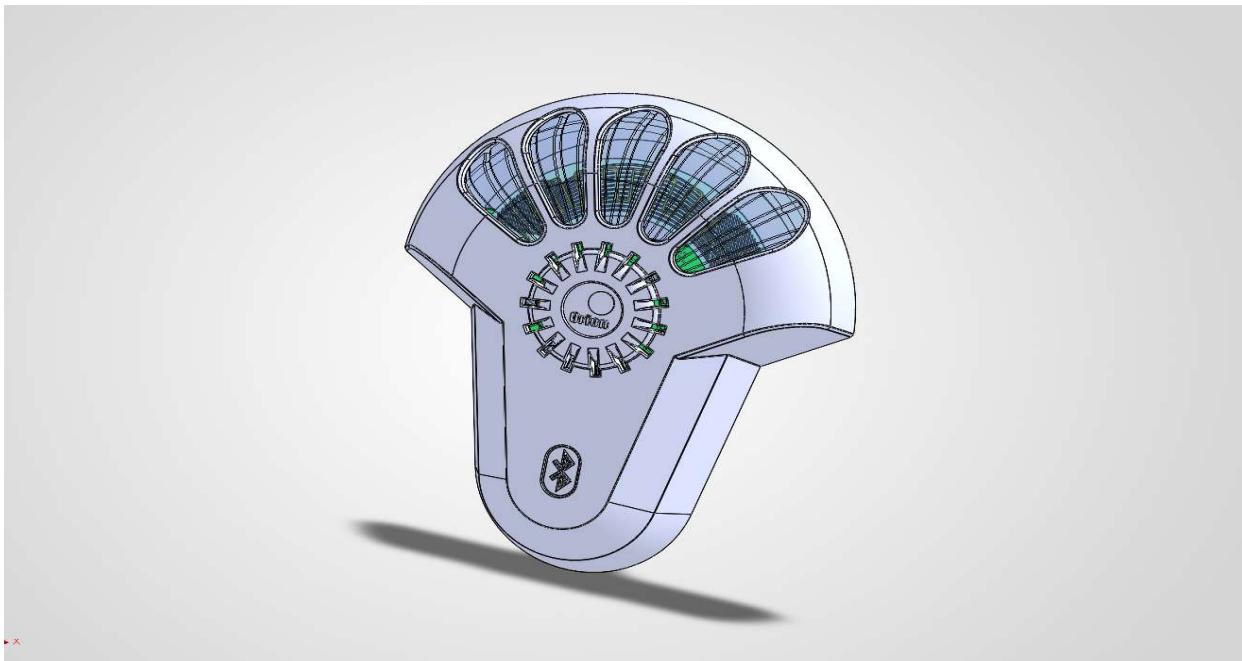


		UNLESS OTHERWISE SPECIFIED:		DRAWN C HEC KED ENG APPR. INFO APPR. Q.A.	NAME _____ DATE _____ TITLE: _____
		DIMENSIONS ARE IN INCHES TOLERANCING PER: PRACTICAL: ± ANOLAR: MACH 2 BEND: 3 TWO PLACE DECIMAL: 3 THREE PLACE DECIMAL: 3			
NEXT ASSY	USED ON	INTERPRET GEOMETRIC TOLERANCING PER: MATERIAL		COMMENTS: _____	SIZE DWG. NO. _____ REV. _____
		FINISH	APPLICATION		SCALE: 1:5 WEIGHT: _____ SHEET 1 OF 1
<small>PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE PROPERTY OF [REDACTED] [REDACTED] COMPANY NAME HEREIN. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF [REDACTED] COMPANY NAME HEREIN IS PROHIBITED.</small>		DO NOT SCALE DRAWING			1

ASSEMBLY FROM GIVEN PARTS



BLUETOOTH HEADGEAR ASSEMBLY FROM GIVEN AND MODIFIED PARTS

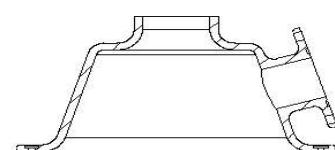
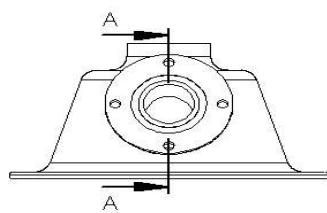
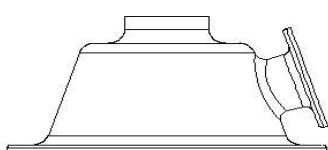
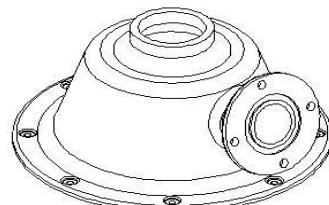
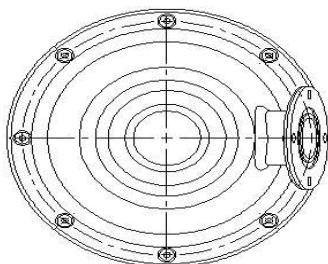
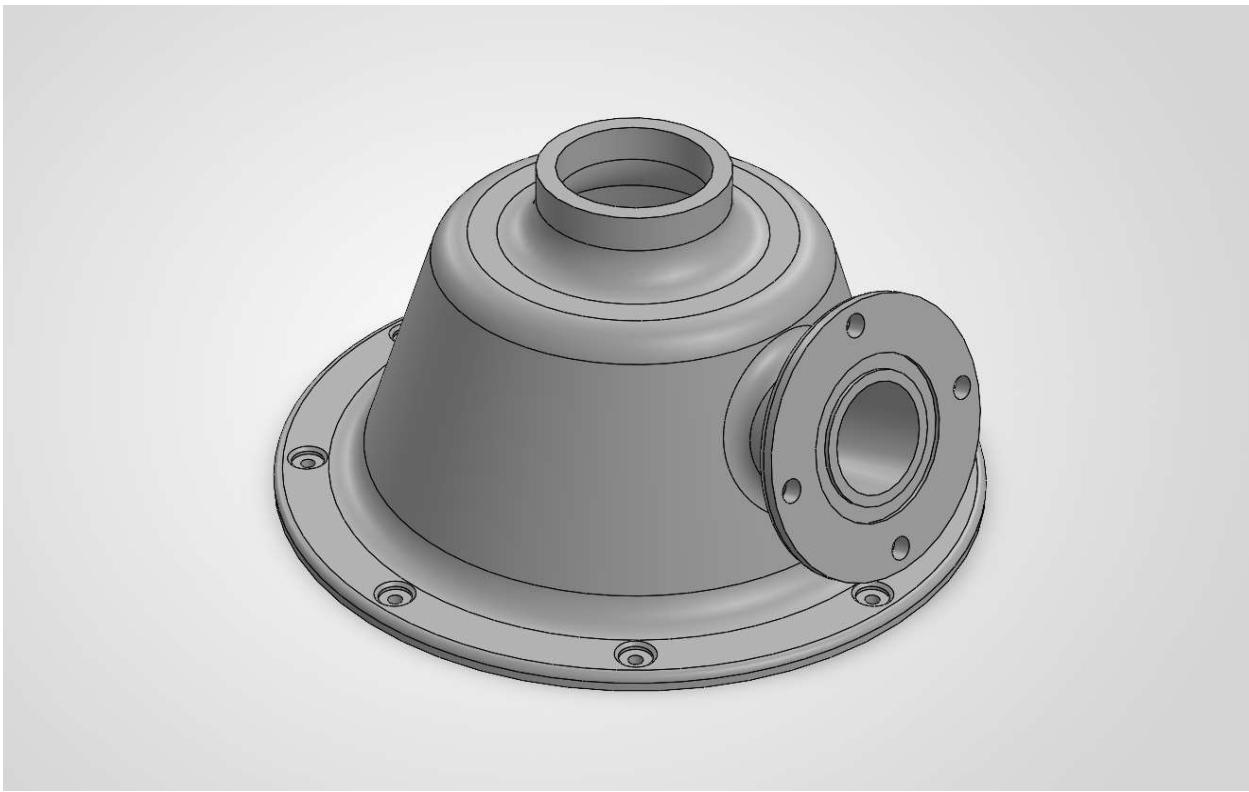


PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS
DRAWING IS THE SOLE PROPERTY OF
[REDACTED] COMPANY NAME HEREIN. ANY
REPRODUCTION IN PART OR AS A WHOLE
WITHOUT THE WRITTEN PERMISSION OF
[REDACTED] COMPANY NAME HEREIN IS
PROHIBITED.

		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE:
		DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL: MACH 2, REND: 3 ANGULAR: MACH 2, REND: 3 TWO PLACE DECIMAL: 3 THREE PLACE DECIMAL: 3				
NEXT ASSY	USED ON	INTERPRET GEOMETRIC TOLERANCING PER: MATERIAL		ENG APPR.	MFG APPR.	Q.A.
		FINISH	DO NOT SCALE DRAWING	COMMENTS:		
	APPLICATION					

SIZE DWG. NO. REV
A Assem2
SCALE: 1:5 WEIGHT: SHEET 1 OF 1

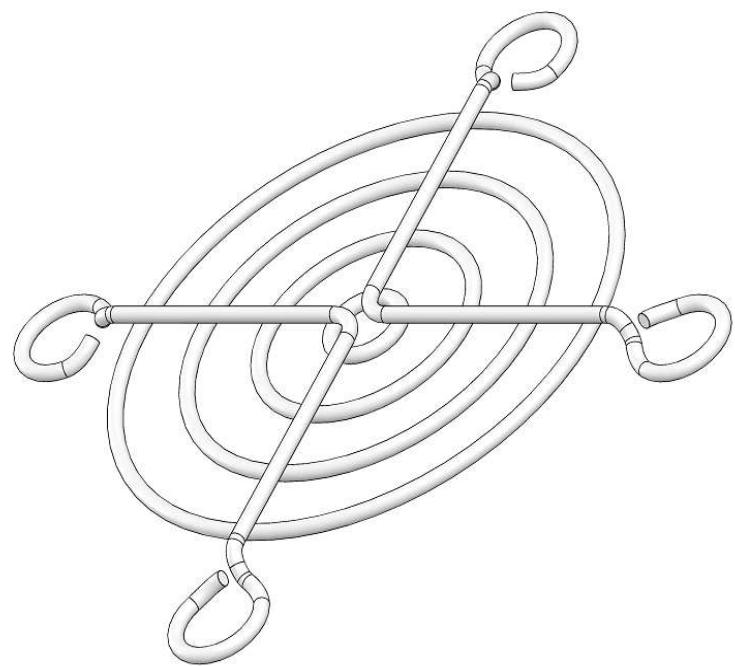
PART 5



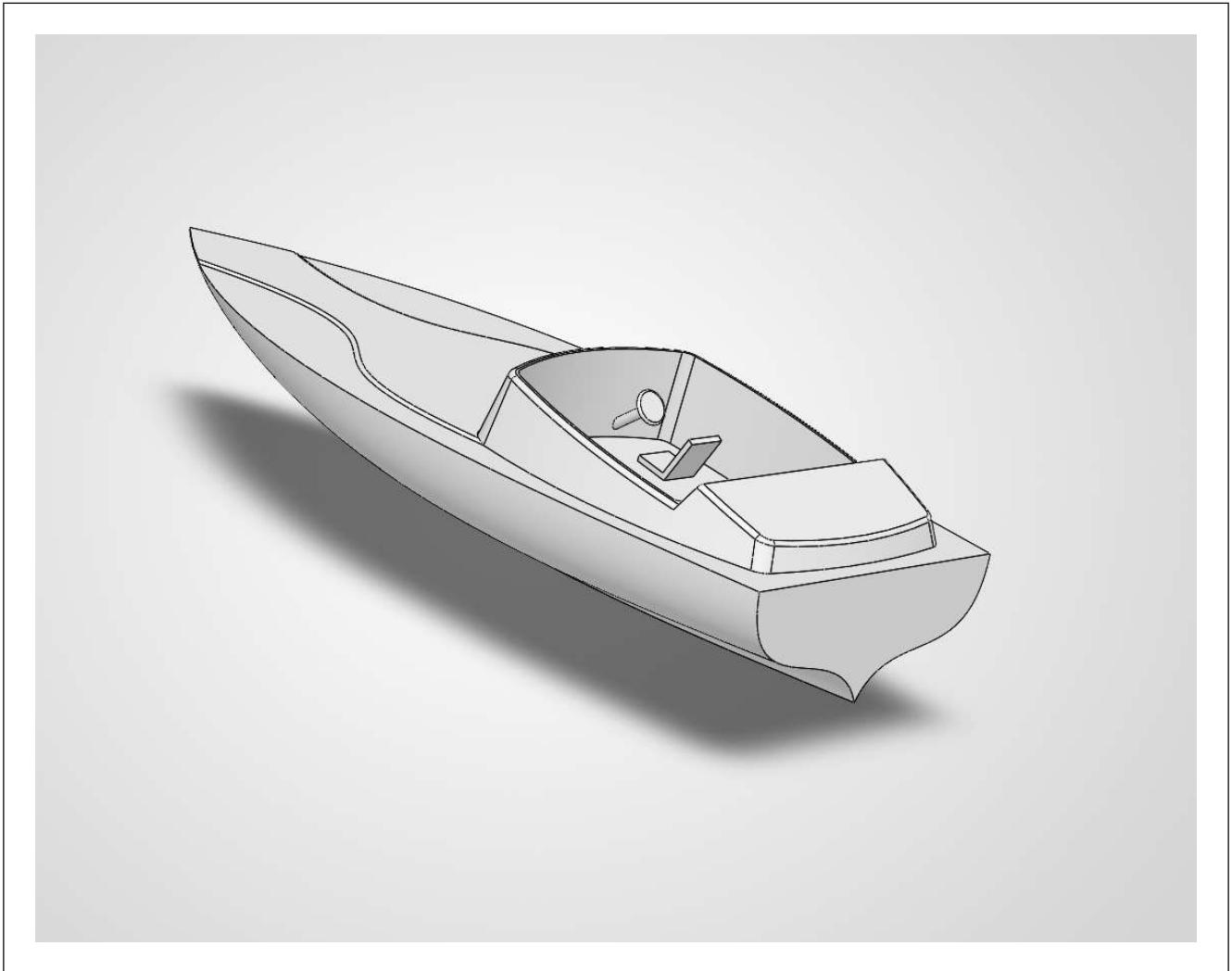
SECTION A-A

		UNLESS OTHERWISE SPECIFIED:	DRAWN	NAME	DATE	TITLE:
		DIMENSIONS ARE IN INCHES FRACTIONAL \pm ANGULAR: MACH \pm BEND \pm TWO PLACE DECIMAL \pm THREE PLACE DECIMAL \pm	CHECKED			
		INTERPRET GEOMETRIC TOLERANCING PER:	ENG APPR.			Q.A.
			MFG APPR.			COMMENTS:

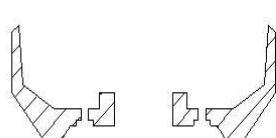
ELECTRONICS COMPONENT FAN



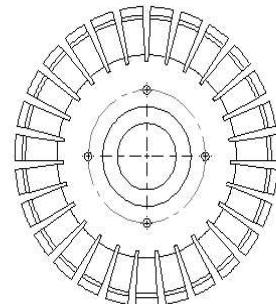
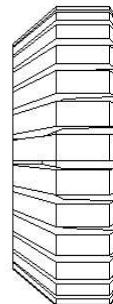
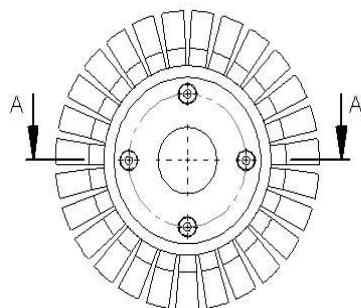
BOAT



TURBINE FILTER

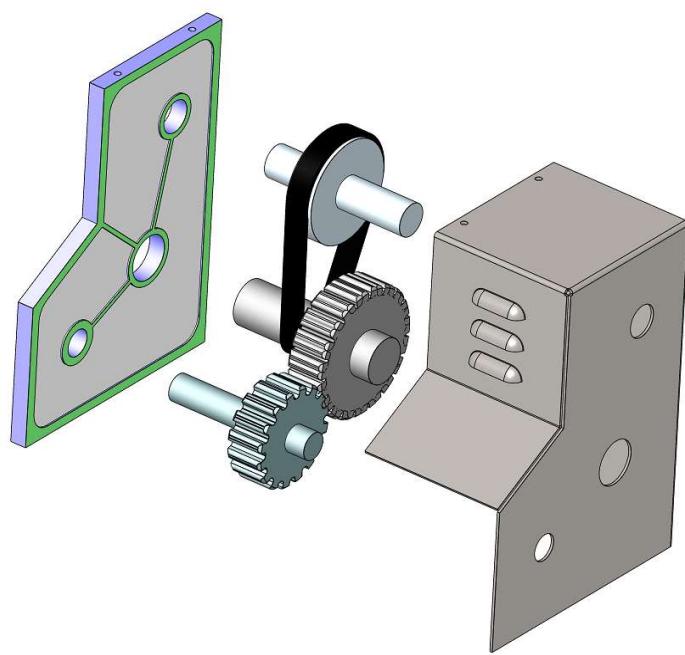
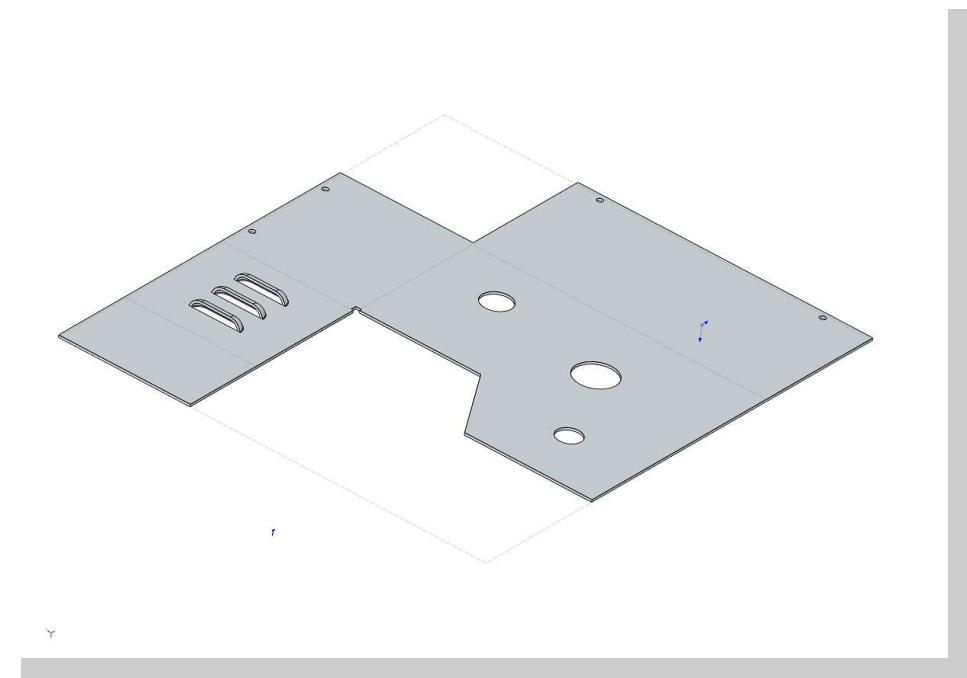


SECTION A-A

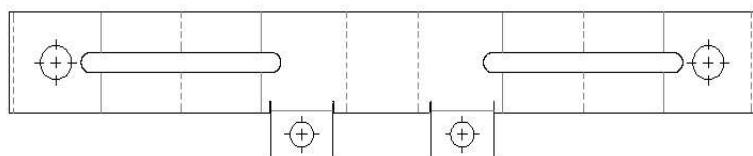
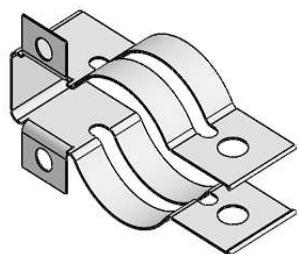
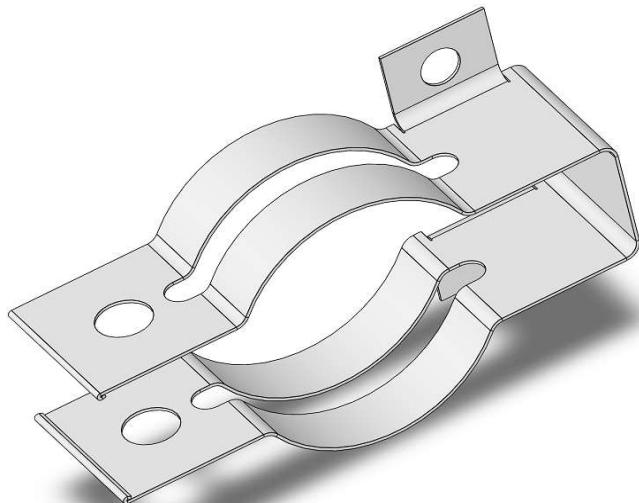


		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE:
DIMENSIONS ARE IN INCHES		DRAWN				
TOLERANCES:		CHECKED				
FRACTIONAL ±						
ANGULAR: MACH ± BEND ±						
TWO PLACE DECIMAL .1						

METAL SHEET COVER

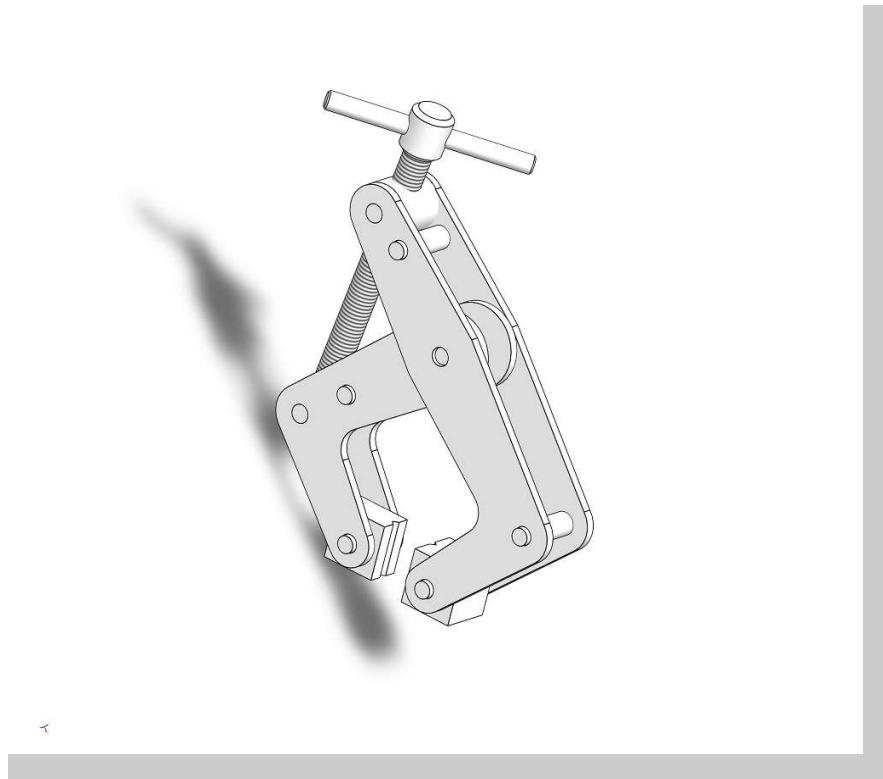


METAL SHEET PART

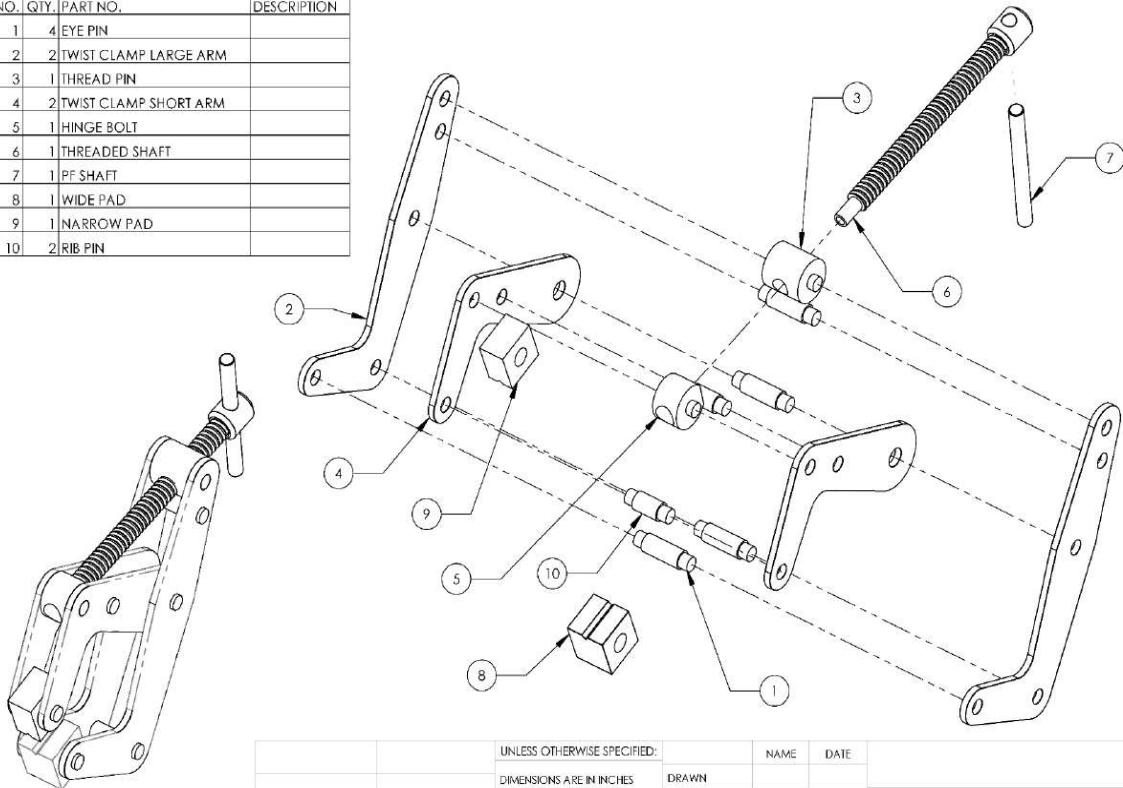


		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE:
DIMENSIONS ARE IN INCHES		DRAWN				
TOLERANCES:		CHEKED				
FRACTIONAL:						
ANGULAR: MACH 2 BEND 1						
TWO PLACE DECIMAL 2						
		ENG APPR.				

ASSEMBLY FROM DESIGNED PARTS

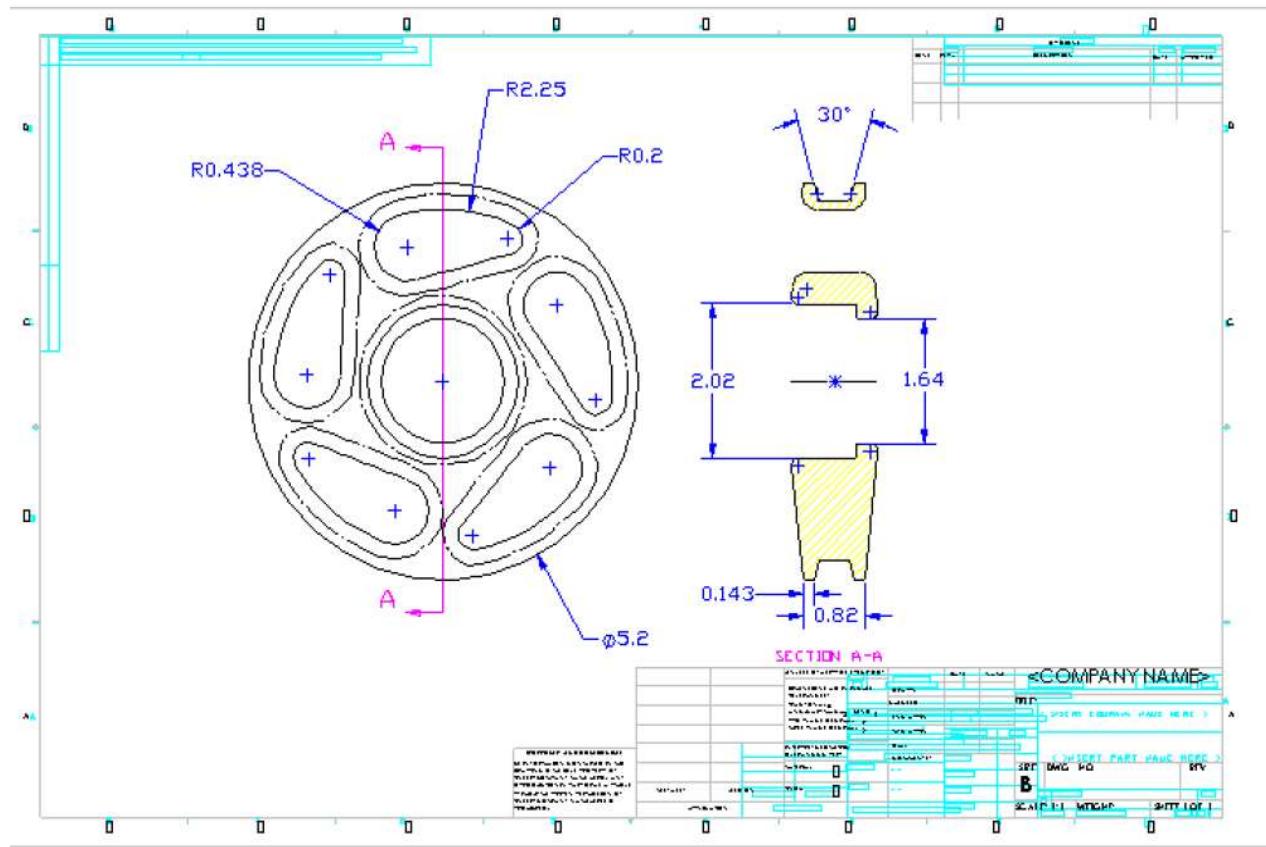
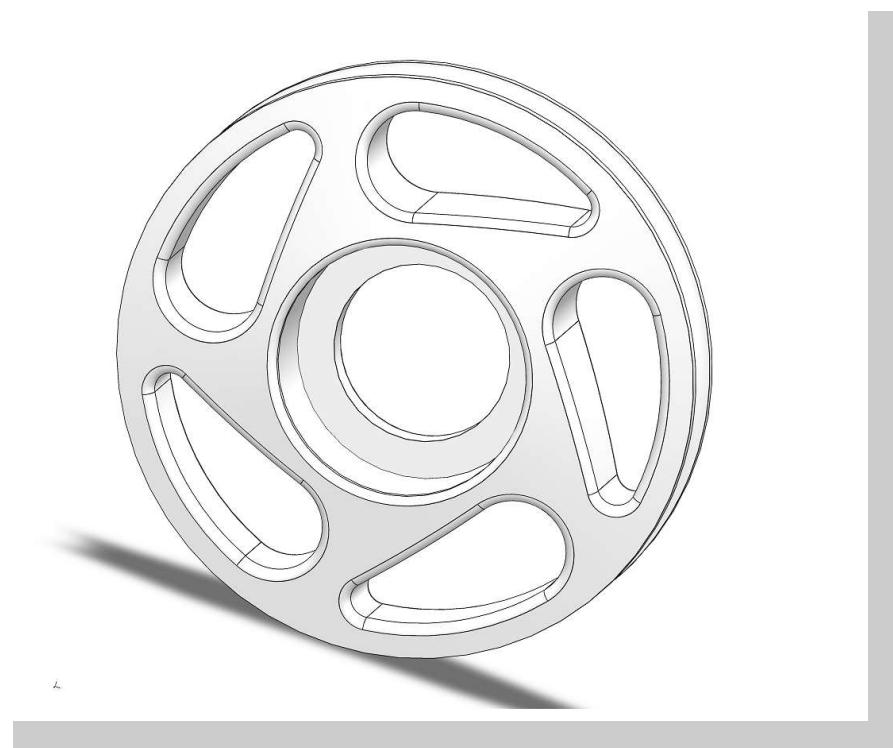


ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	4	EYE PIN	
2	2	TWIST CLAMP LARGE ARM	
3	1	THREAD PIN	
4	2	TWIST CLAMP SHORT ARM	
5	1	HINGE BOLT	
6	1	THREADED SHAFT	
7	1	PF SHAFT	
8	1	WIDE PAD	
9	1	NARROW PAD	
10	2	RIB PIN	

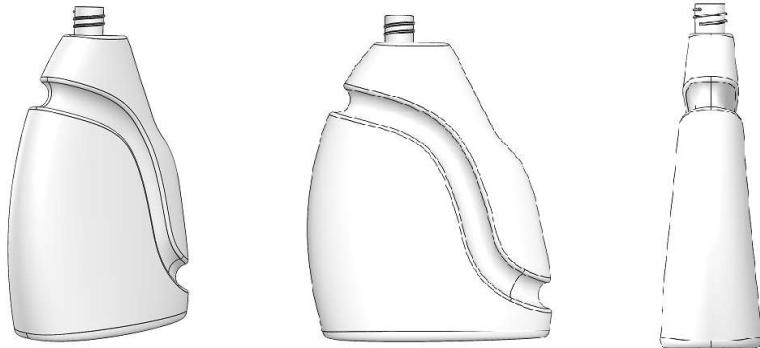


	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ±	DRAWN CHECKED	NAME _____ DATE _____ TITLE: _____
--	--	------------------	--

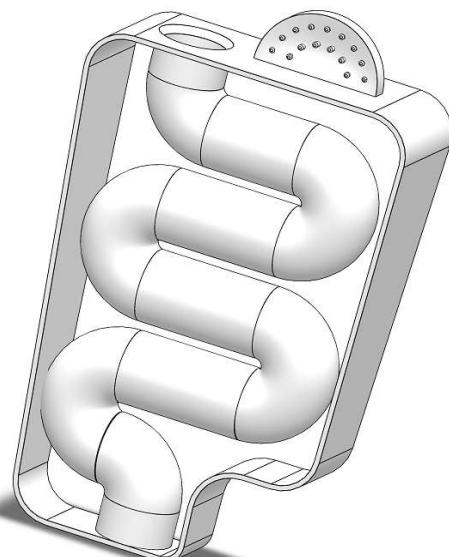
WHEEL FROM 2D DXF/DWG TO 3D MODEL



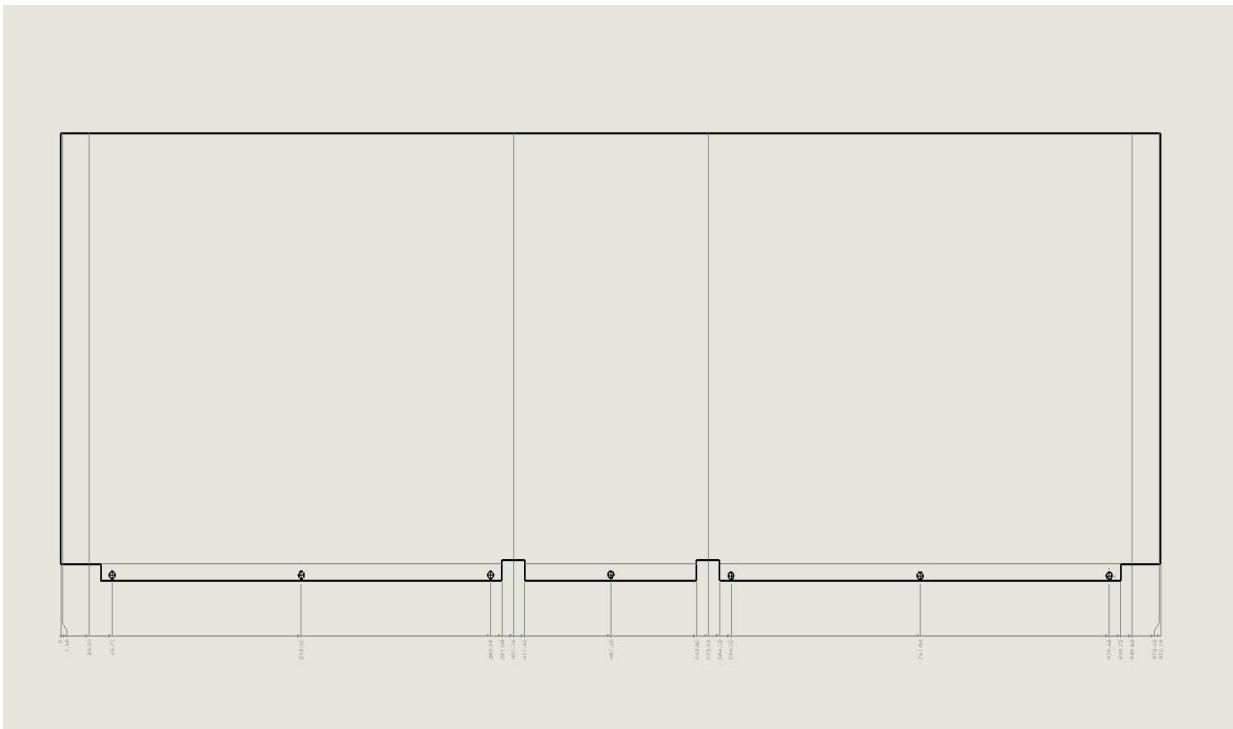
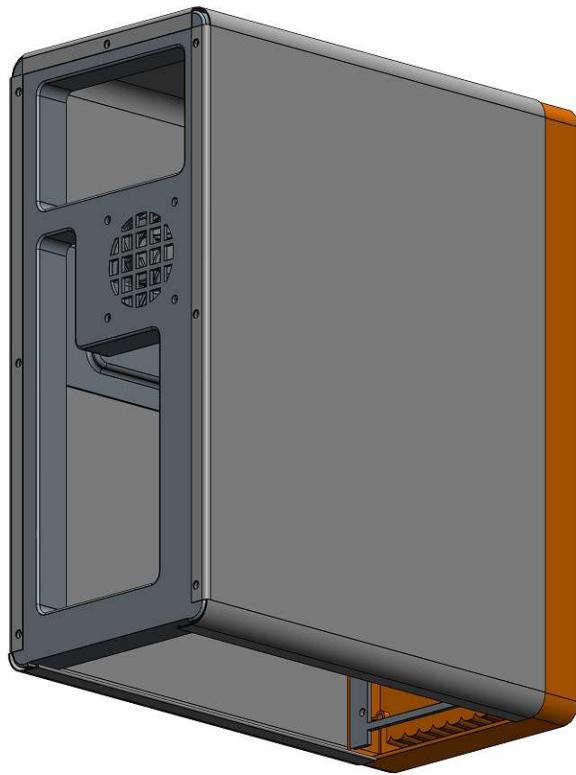
CURVED SURFACES BOTTLE WITH HELIX AT TOP



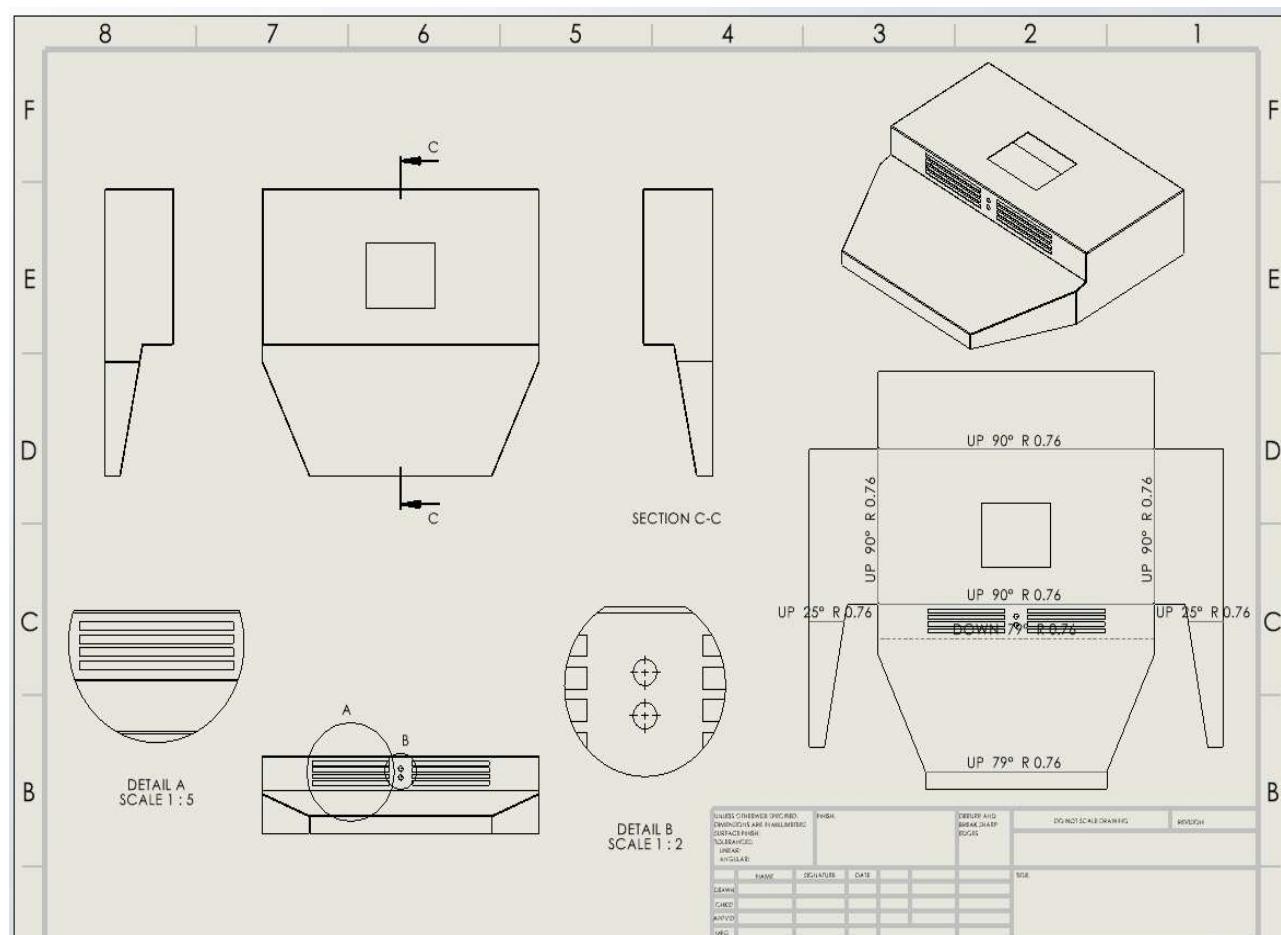
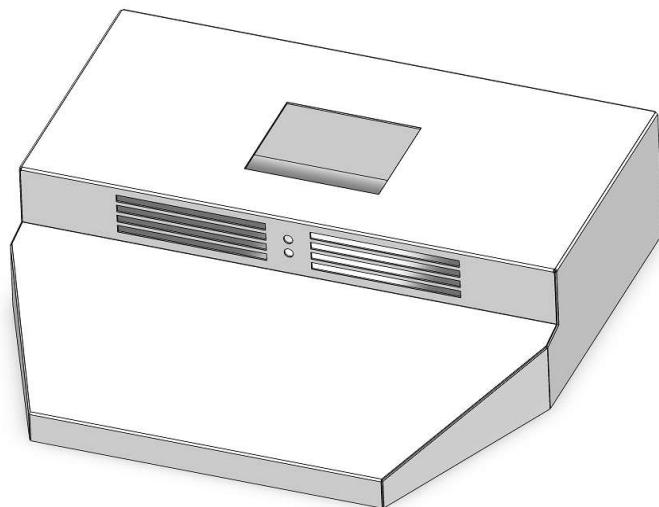
ICEBOX CHILLER



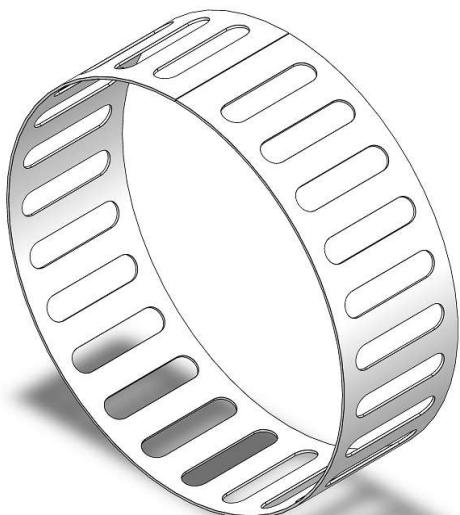
SHEET METAL PC TOWER COVER



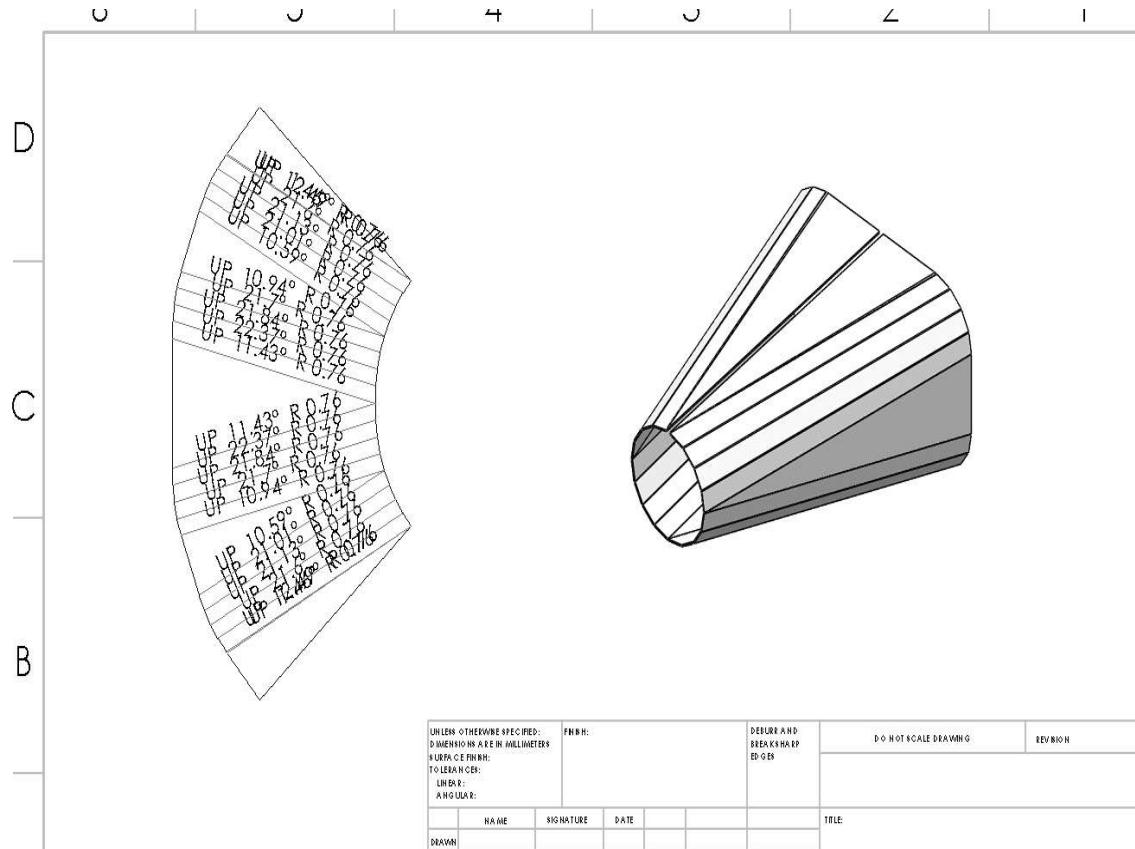
SHEET METAL OVEN EXHAUST HOOD



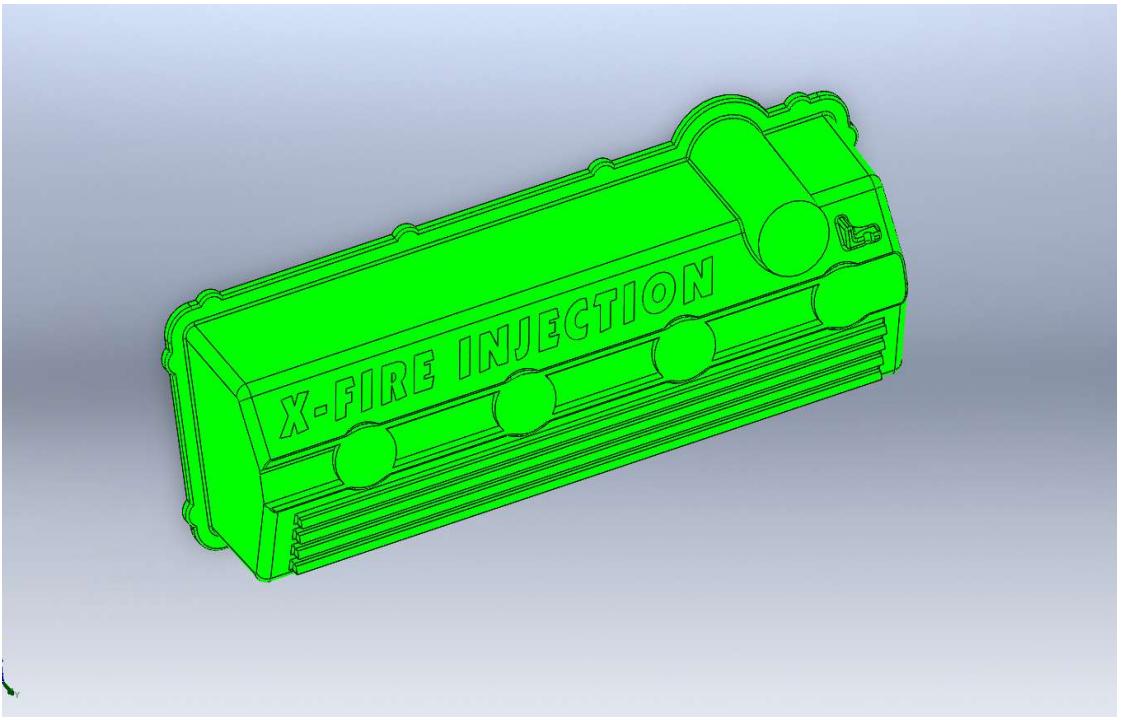
SHEET METAL CYLINDER



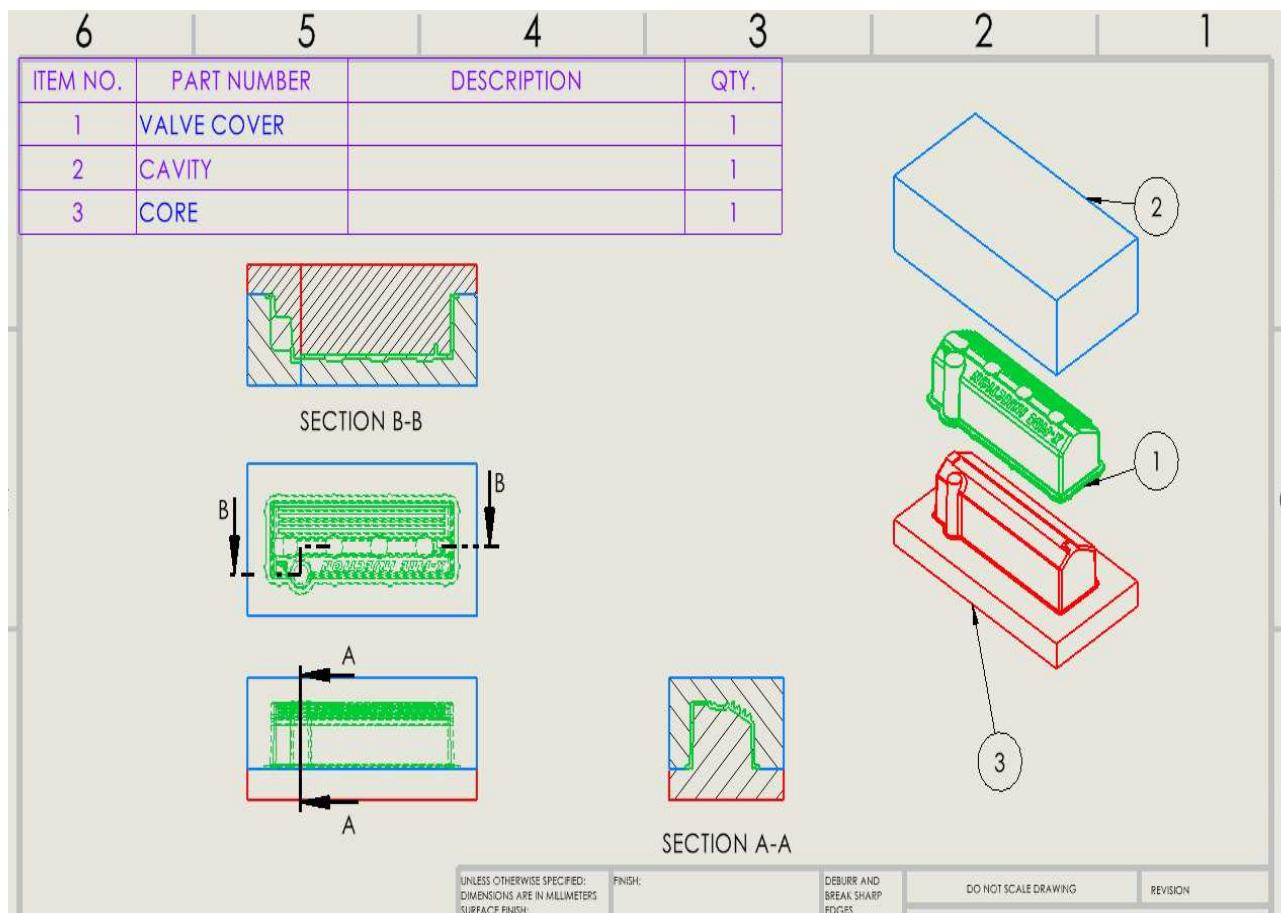
LOFTED SHEET METAL



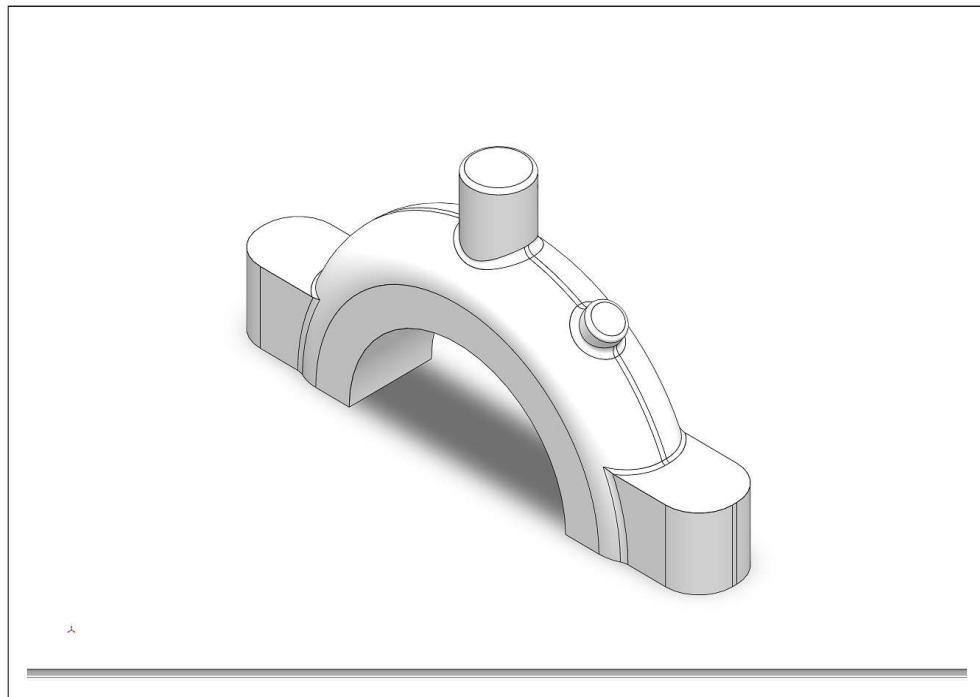
COVER READY FOR CASTING (DRAFT ANALYSIS ON)



COVER CASTING MOLD

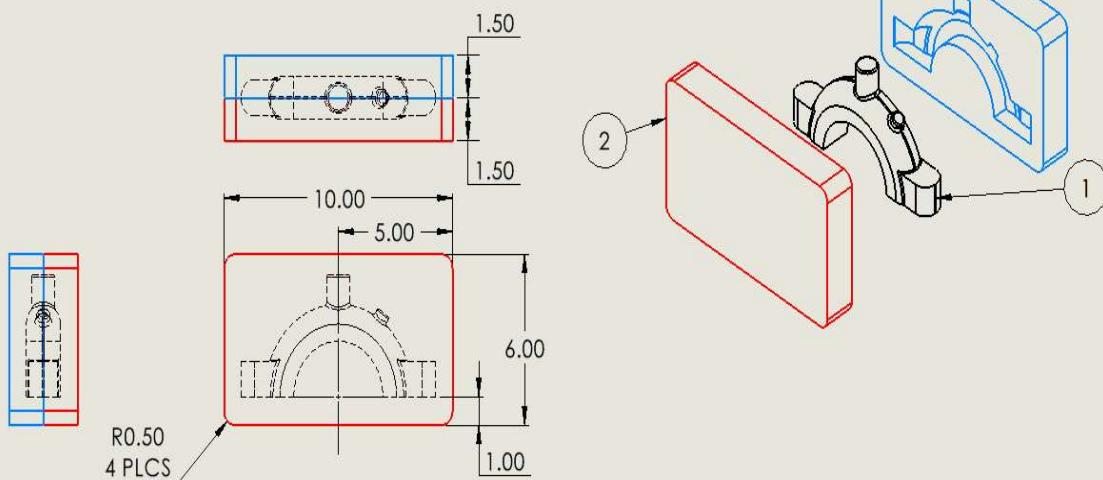


SMALL STEAM ENGINE CLAMP



SMALL STEAM ENGINE CLAMP MOLD

	ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
D	1	SMALL STEAM ENGINE CLAMP		1
	2	CAVITY^MOLD		1
	3	CAVITY SIDE 2^MOLD		1



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR; ANGULAR;		FINISH:	DEBURR AND BREAK SHARP EDGES	DO NOT SCALE DRAWING	REVISION
NAME	SIGNATURE	DATE	TITLE:		