Engineering Drawings for:

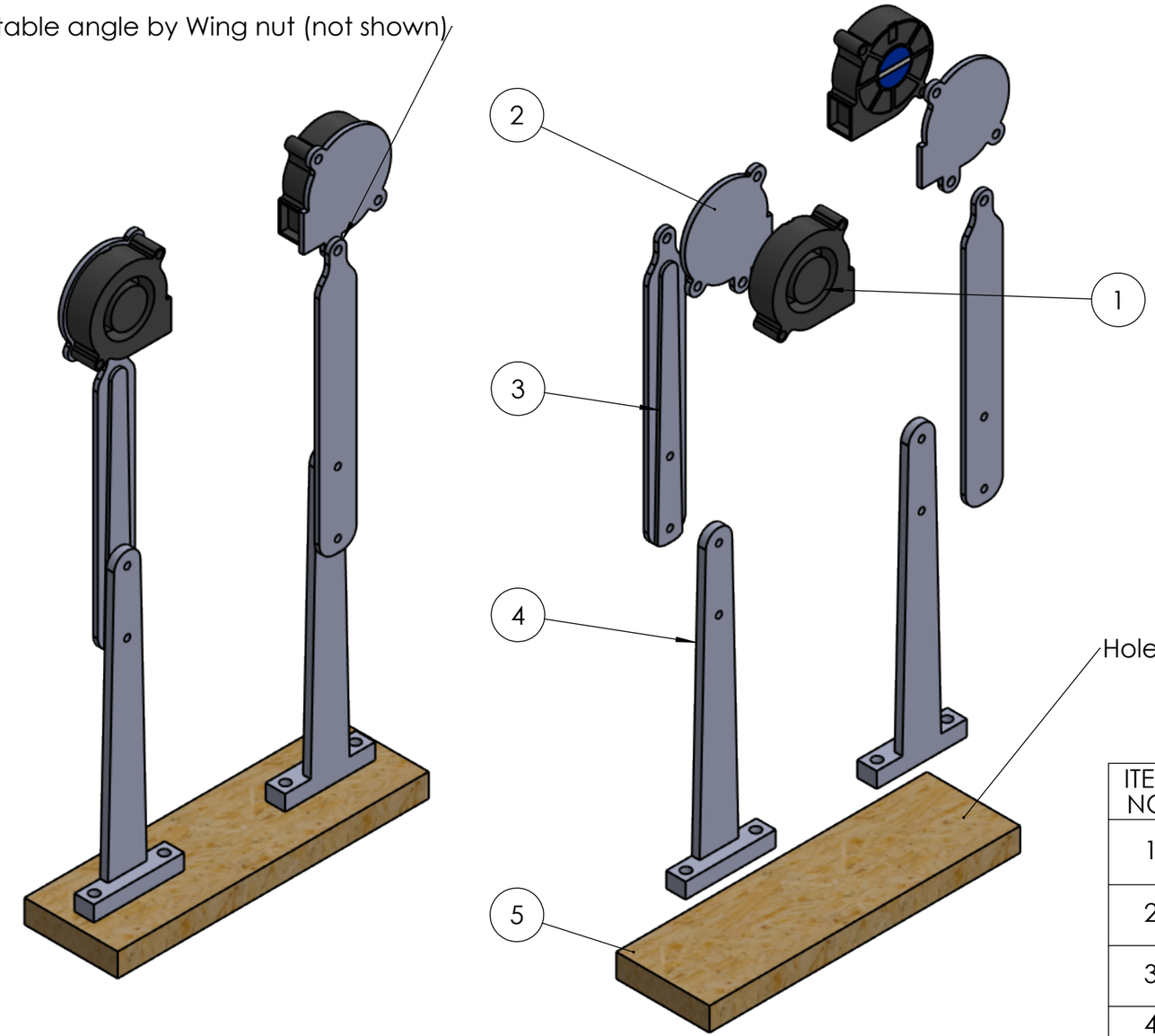
Centrifugal Cooling

Filament Spooling Team

University of Technology Sydney

for 43019 Design in Mechanical and Mechatronic Systems - Autumn 2024

Design and Drawings: Jeremy Chu



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	Centrifugal-fan	ELEC-FAN-BLOWER-50X50-12V	2
2	CentrifugalFan-Bracket		2
3	CentrifugalFan-HeightArm		2
4	CentrifugalFan-Base		2
5	CentrifugalCooling-WoodBase		1

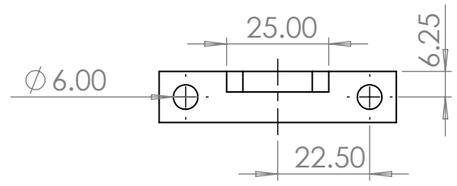
UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MILLIMETERS
DEBURR AND BREAK SHARP EDGES
MAT: Various
TREAT:
FINISH:
MASS (kg): COST ($):

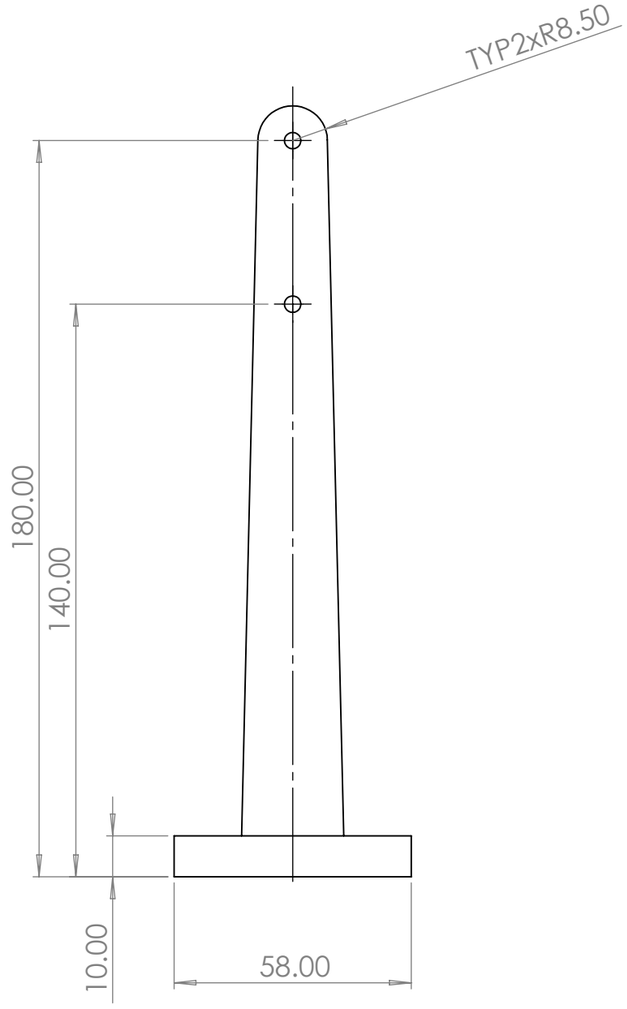
	NAME	DATE
DRN	Jeremy Chu	6/06/2024
CHKD	Jeremy Chu	6/06/2024

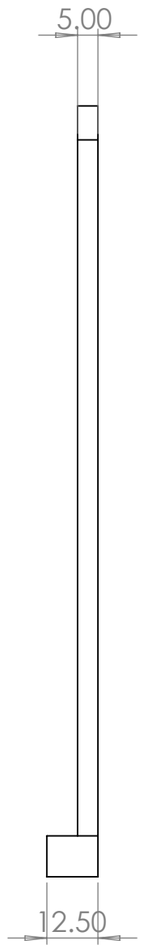
UNLESS STATED TOLERANCES ARE:
LINEAR TOLERANCE (mm): 0.5
ANGULAR TOLERANCE (°): 2
SURFACE (mm):
DO NOT SCALE DRAWING
THIRD ANGLE PROJECTION

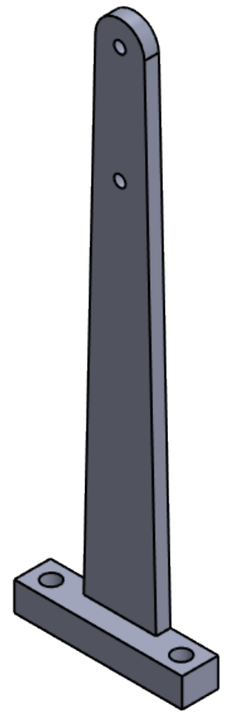
TITLE:
CentrifugalCooling Assembly

DWG. NO. **1**
REVISION: 1
Sheet 1 of 1
Scale: 1:2.5 A3

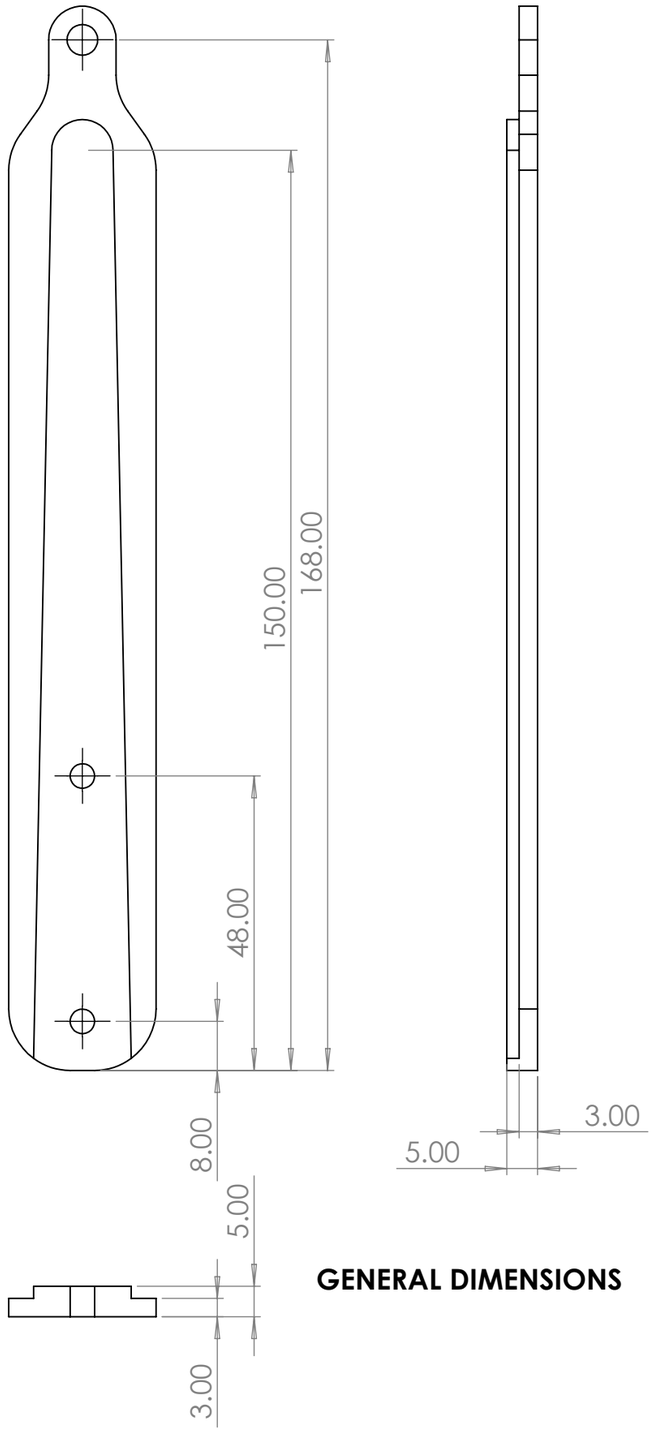






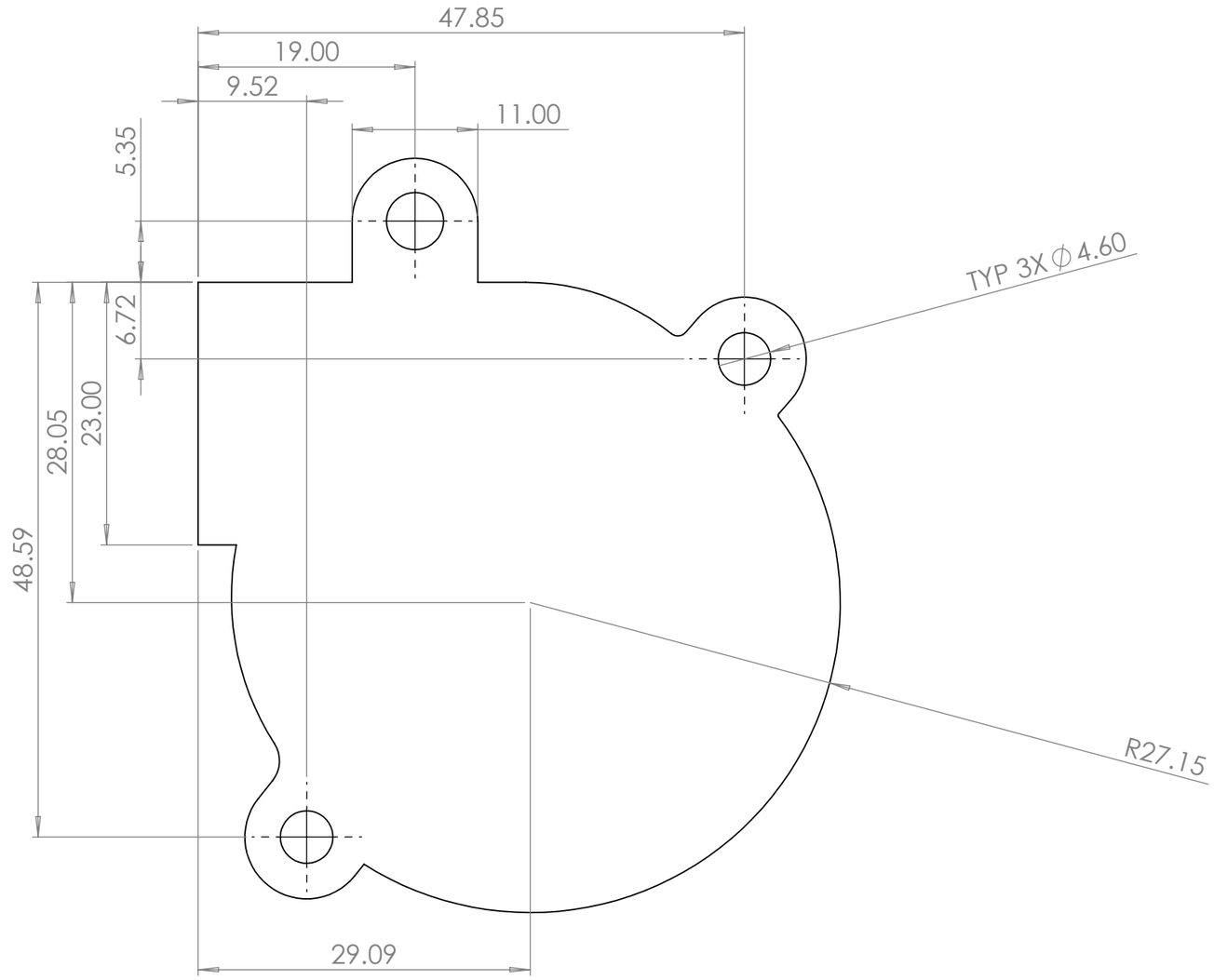


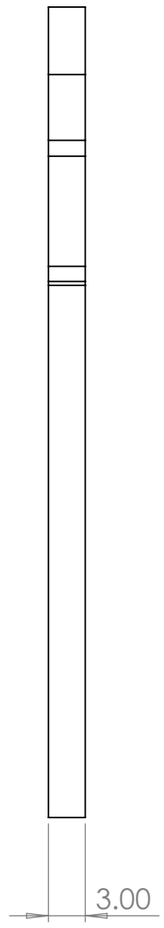
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS DEBURR AND BREAK SHARP EDGES	UNLESS STATED TOLERANCES ARE: LINEAR TOLERANCE (mm): 0.5 ANGULAR TOLERANCE (°): 2 SURFACE (mm):	TITLE: **CentrifugalFan-Base**
MAT: PLA		
TREAT:		
FINISH:	DO NOT SCALE DRAWING THIRD ANGLE PROJECTION	DWG. NO. **1**
MASS (kg): COST ($):		REVISION: 1
NAME / DATE		Sheet 1 of 1
DRN: Jeremy Chu 6/06/2024		Scale: 1:1.5 A3
CHKD: Jeremy Chu 6/06/2024		



GENERAL DIMENSIONS

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS DEBURR AND BREAK SHARP EDGES	UNLESS STATED TOLERANCES ARE: LINEAR TOLERANCE (mm): 0.5 ANGULAR TOLERANCE (°): 2 SURFACE (mm):	TITLE: **CentrifugalFan-HeightArm**
MAT: PLA		
TREAT:		
FINISH:	DO NOT SCALE DRAWING THIRD ANGLE PROJECTION	DWG. NO. **1**
MASS (kg): COST ($):		REVISION: 1
NAME DATE		Sheet 1 of 1
DRN Jeremy Chu 6/06/2024		Scale: 1:1 A3
CHKD Jeremy Chu 6/06/2024		





SIMPLIFIED DRAWING

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS DEBURR AND BREAK SHARP EDGES	UNLESS STATED TOLERANCES ARE: LINEAR TOLERANCE (mm): 0.5 ANGULAR TOLERANCE (°): 2 SURFACE (mm):	TITLE: **CentrifugalFan-Bracket**
MAT: PLA		
TREAT:		
FINISH:	DO NOT SCALE DRAWING THIRD ANGLE PROJECTION	
MASS (kg): COST ($):		DWG. NO. **1**
NAME / DATE		REVISION: 1
DRN: Jeremy Chu 6/06/2024		Sheet 1 of 1
CHKD: Jeremy Chu 6/06/2024		Scale: 2:1 A3

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS DEBURR AND BREAK SHARP EDGES	UNLESS STATED TOLERANCES ARE: LINEAR TOLERANCE (mm): 0.5 ANGULAR TOLERANCE (°): 2 SURFACE (mm):	TITLE: **CentrifugalCooling-WoodBase**
MAT: MDF Wood Board		
TREAT:		
FINISH:	DO NOT SCALE DRAWING THIRD ANGLE PROJECTION	DWG. NO. **1**
MASS (kg): COST ($):		REVISION: 1
NAME / DATE		Sheet 1 of 1
DRN: Jeremy Chu 6/06/2024		Scale: 1:1 A3
CHKD: Jeremy Chu 6/06/2024		