

UNLESS OTHERWISE SPECIFIED, UNITS: MM, DEGREE

AUTHOR:
CHIRAG DHANANI

STUDENT NO.
1004951625

DATE: 12/1/2019

MATERIAL: MATERIAL

CLASS:
MIE 243

TITLE:
EXPLODED VIEW OF MACHINE

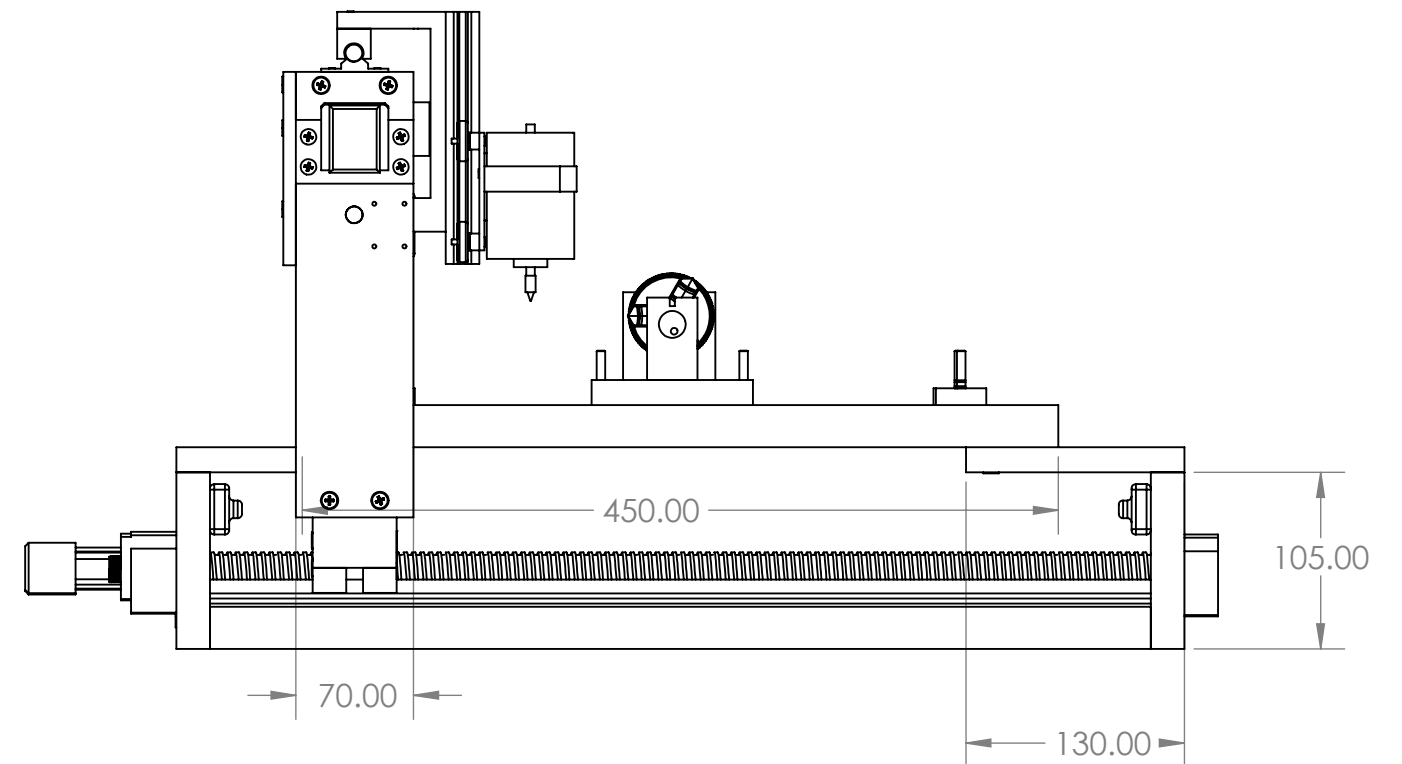
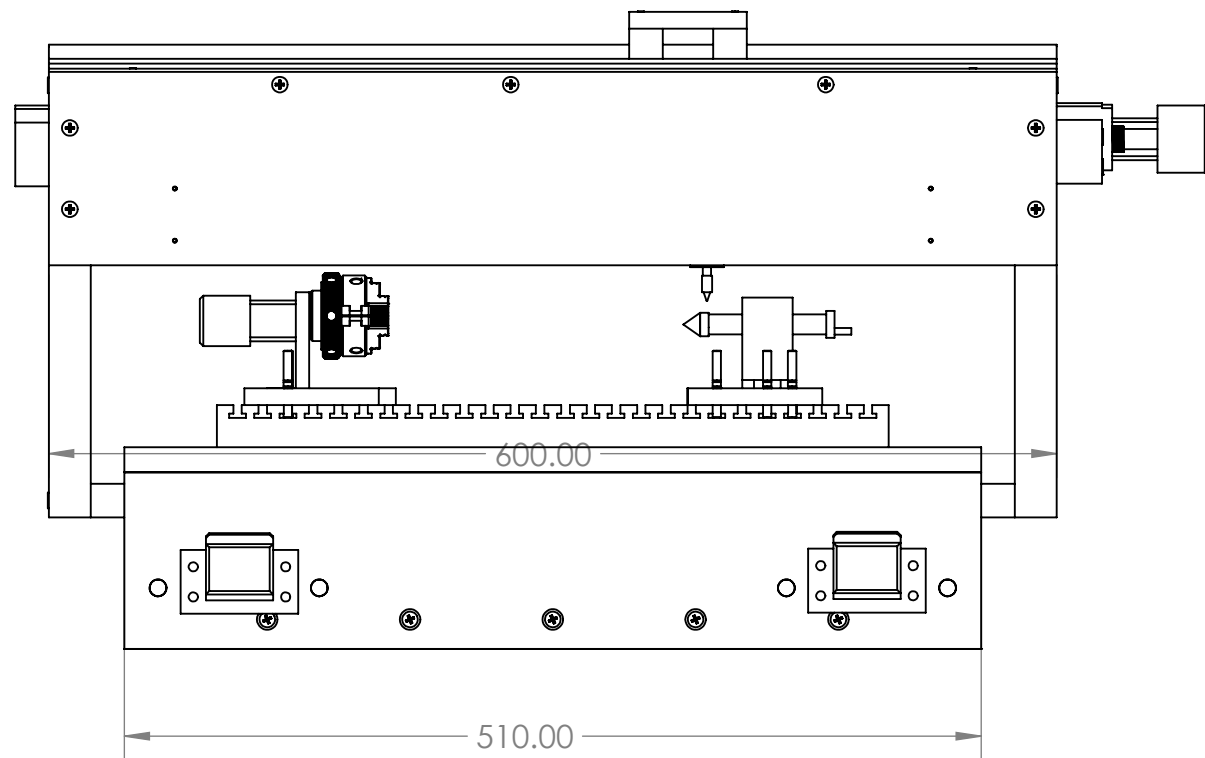
PART NO. N/A



SCALE:1:20

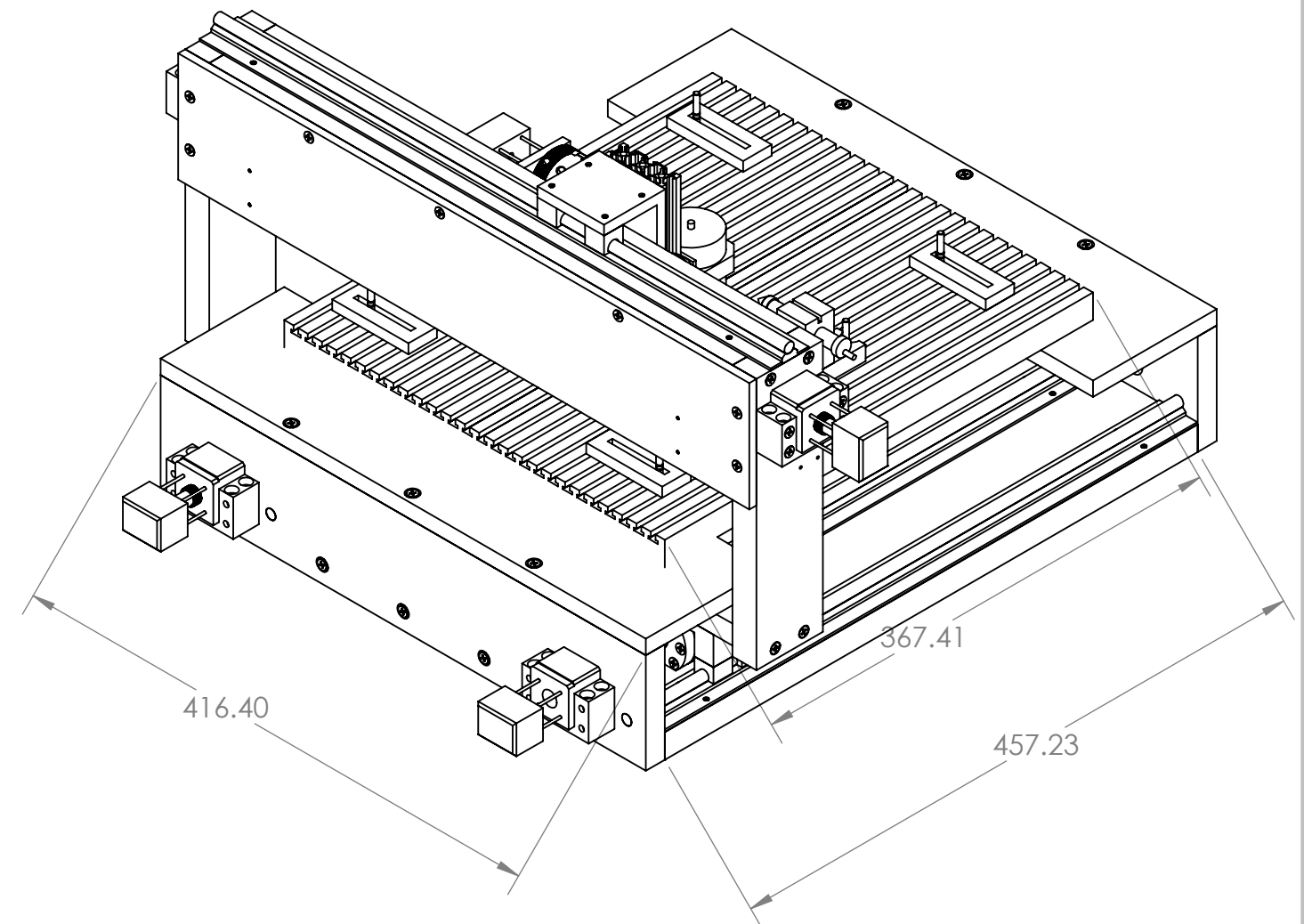
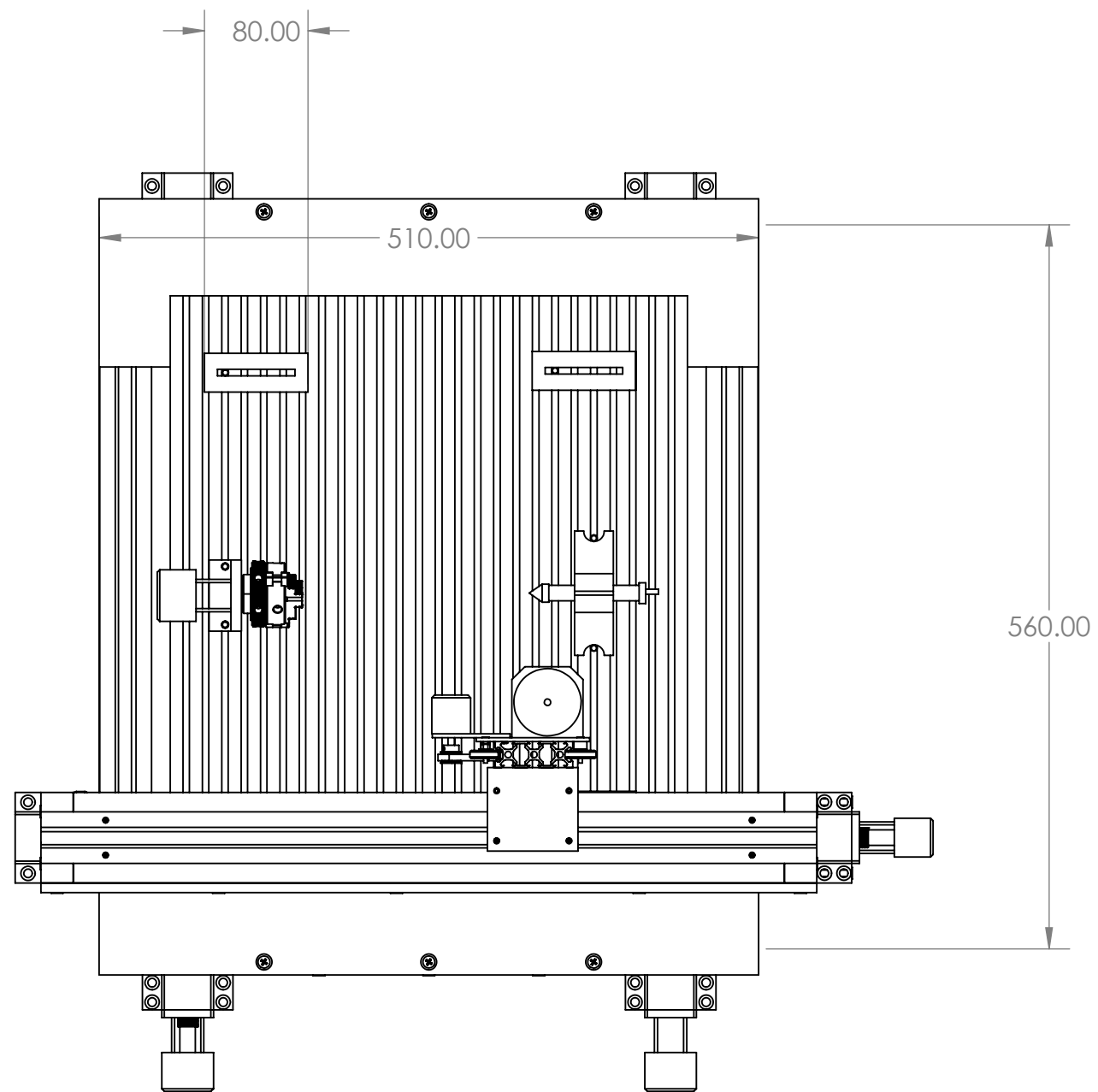
PREPARED FOR:
DRAWING PURPOSE



REV. 1

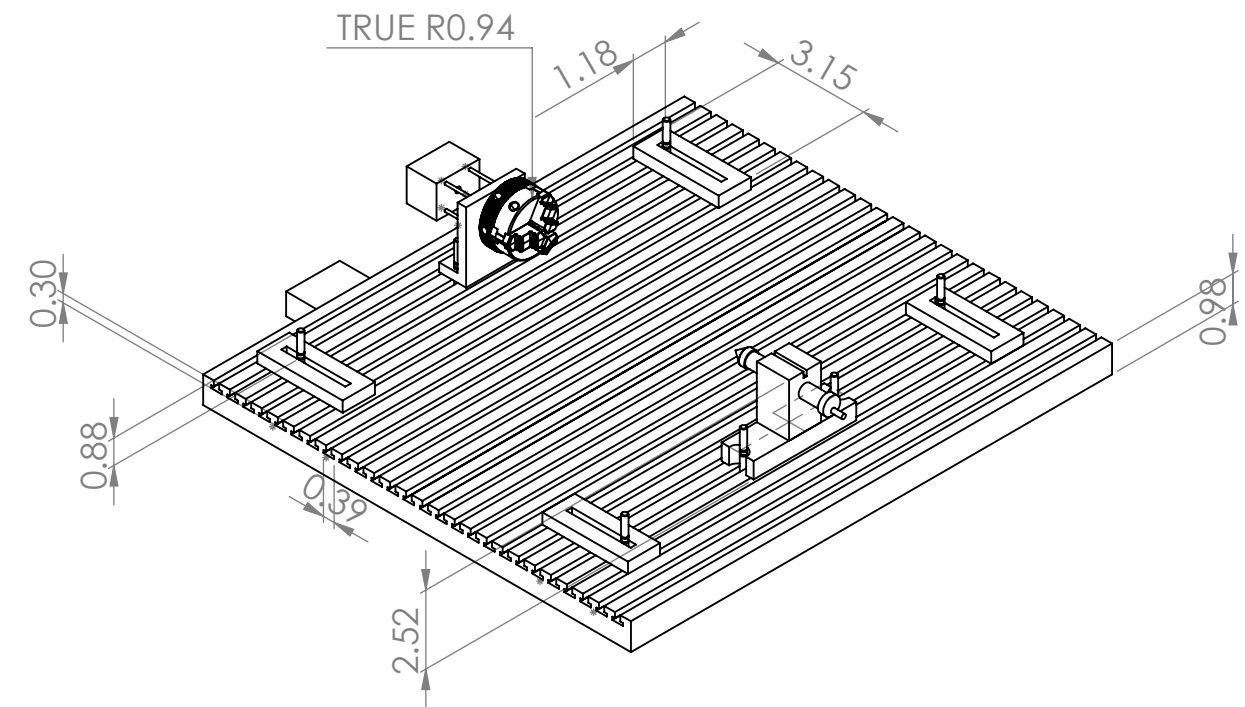
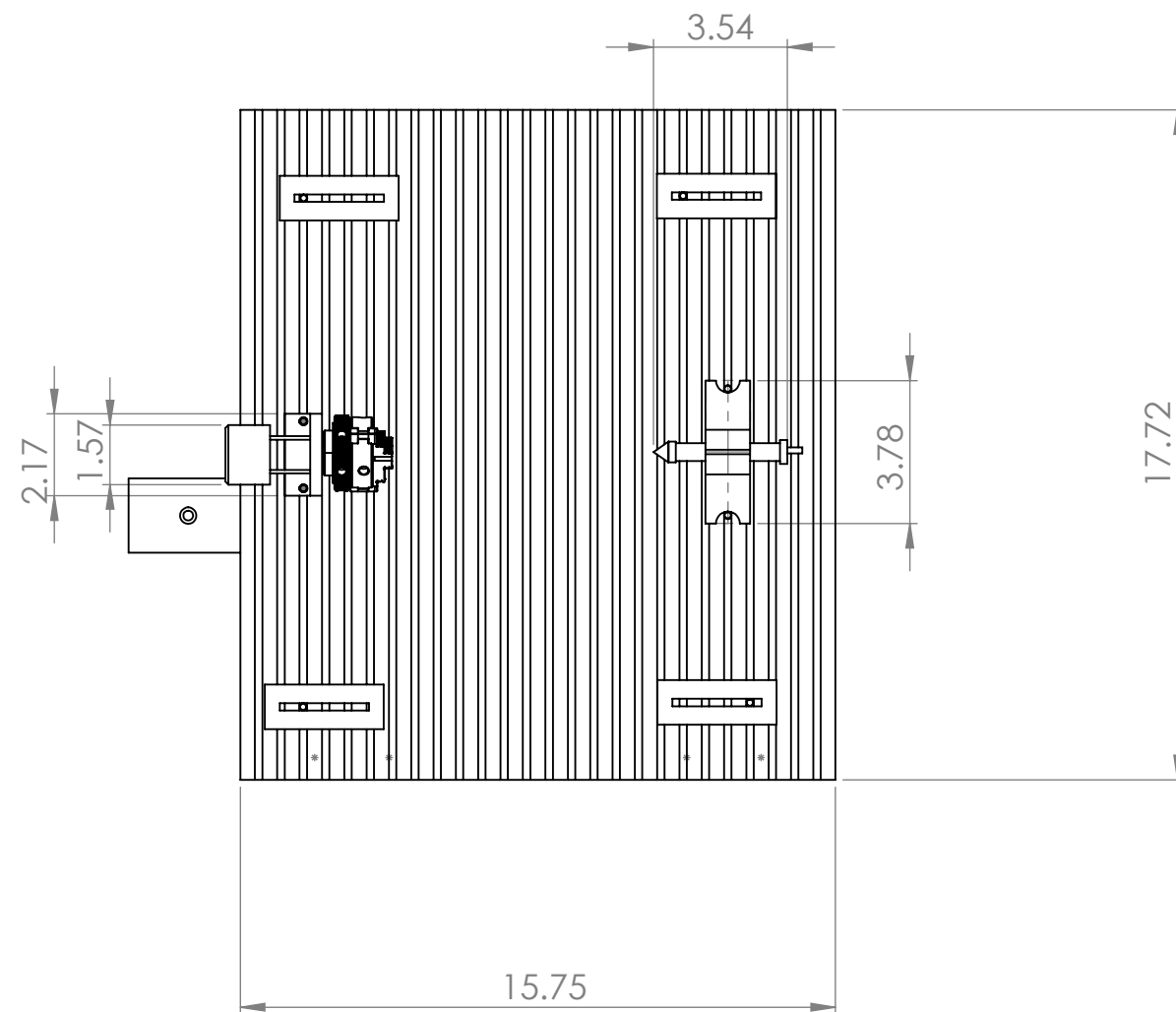
SHEET 1 OF 1





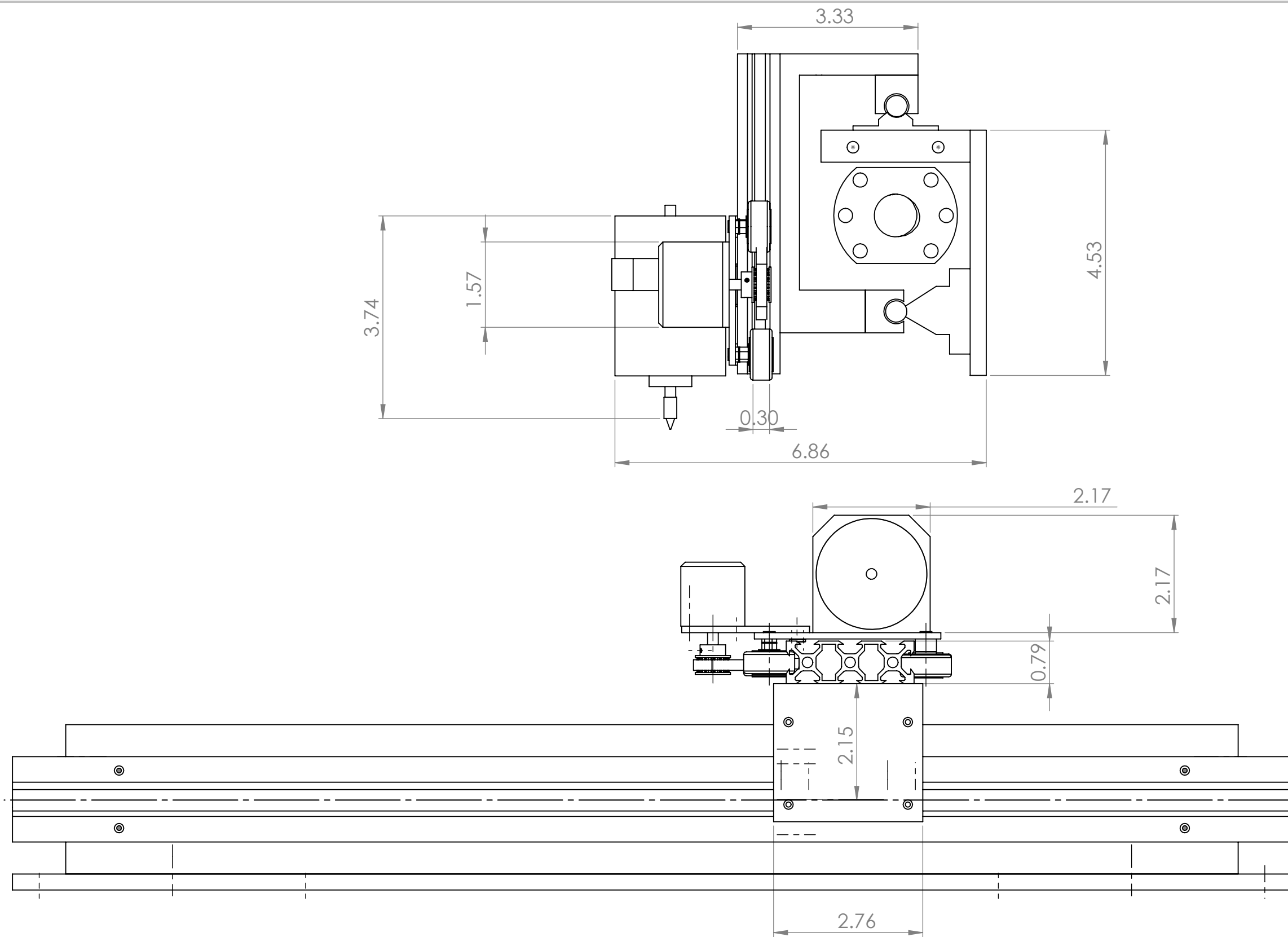
	AUTHOR: Karan Raikundalia	CLASS: MIE 243	LAB SECTION:	PREPARED FOR: DRAWING PURPOSE
	STUDENT NO. 1004742727	TITLE: CNC MACHINE		
	DATE: 12/1/2019			
	MATERIAL: MATERIAL	PART NO. Front and Right View	REV. 1	
	UNLESS OTHERWISE SPECIFIED, UNITS: MM, DEGREE	SCALE:1:10	SHEET 1 OF 1	



	AUTHOR: Karan Raikundalia	CLASS: MIE 243	LAB SECTION:	PREPARED FOR: DRAWING PURPOSE
	STUDENT NO. 1004742727	TITLE: CNC MACHINE		
	DATE: 12/1/2019			
	MATERIAL: MATERIAL	PART NO. TOP AND ISOMETRIC	REV. 1	
	UNLESS OTHERWISE SPECIFIED, UNITS: MM, DEGREE	SCALE:1:10	SHEET 1 OF 1	



	AUTHOR: Zishan Karmali	CLASS: MIE 243	LAB SECTION:	PREPARED FOR: DRAWING PURPOSE
	STUDENT NO. 1004756365	TITLE: Isometric and Top View of Table		
	DATE: 12/1/2019			
	MATERIAL: MATERIAL	PART NO. XXX	REV. 1	
UNLESS OTHERWISE SPECIFIED, UNITS: MM, DEGREE		SCALE:1:5	SHEET 1 OF 1	



AUTHOR:
Zishan Karmali

STUDENT NO.
1004756365

DATE: 12/1/2019

MATERIAL: MATERIAL

CLASS: MIE 243

LAB SECTION:

PREPARED FOR:
DRAWING PURPOSE

TITLE:
Z-Axis Top and Left View

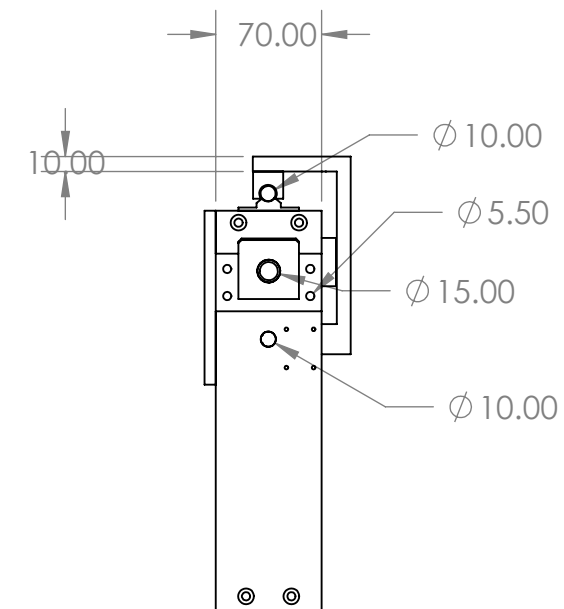
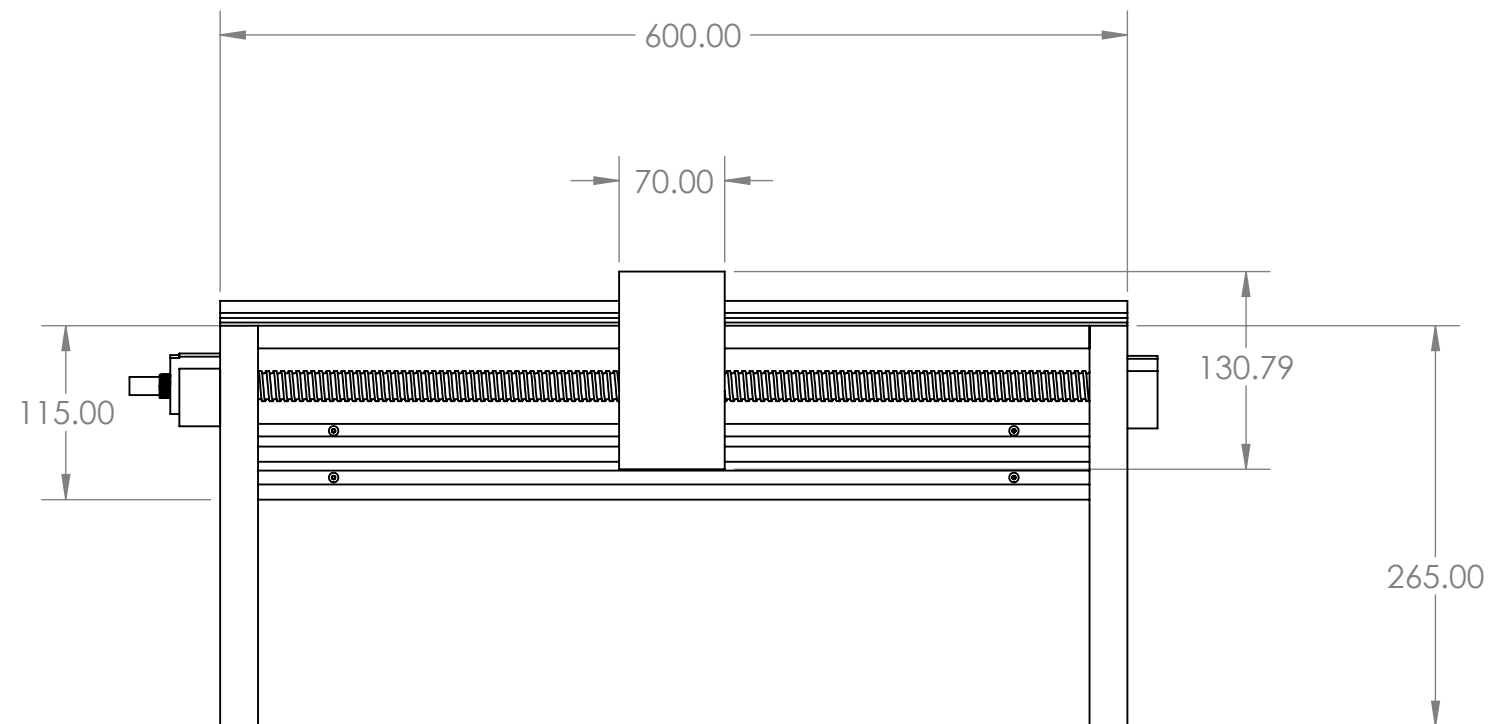
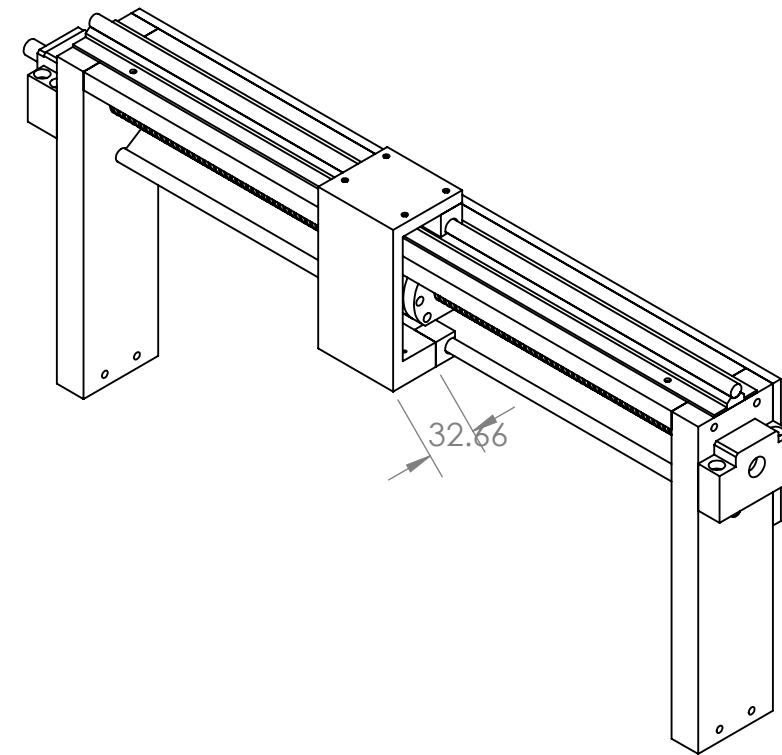
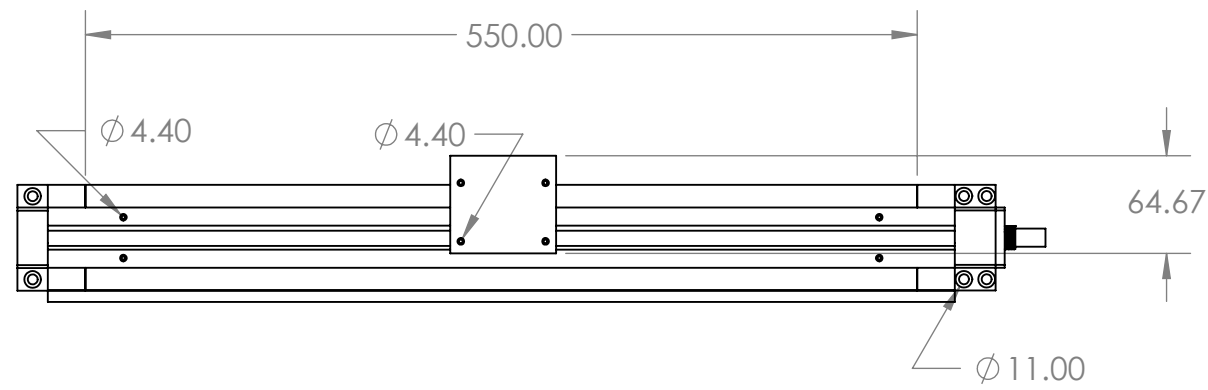
PART NO. XXX



REV. 1

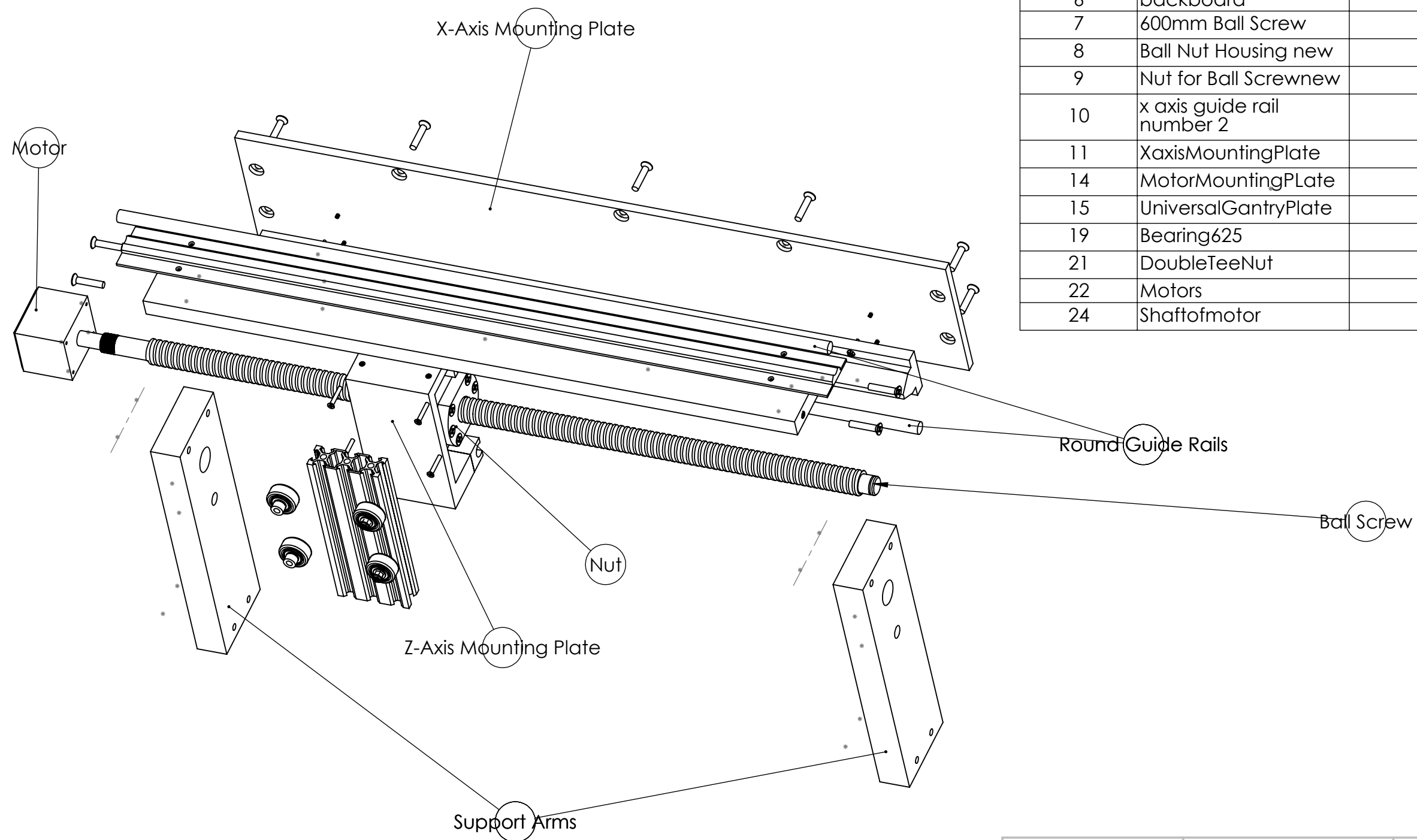
UNLESS OTHERWISE SPECIFIED, UNITS: MM, DEGREE

SCALE:1:5


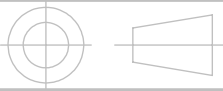
SHEET 1 OF 1



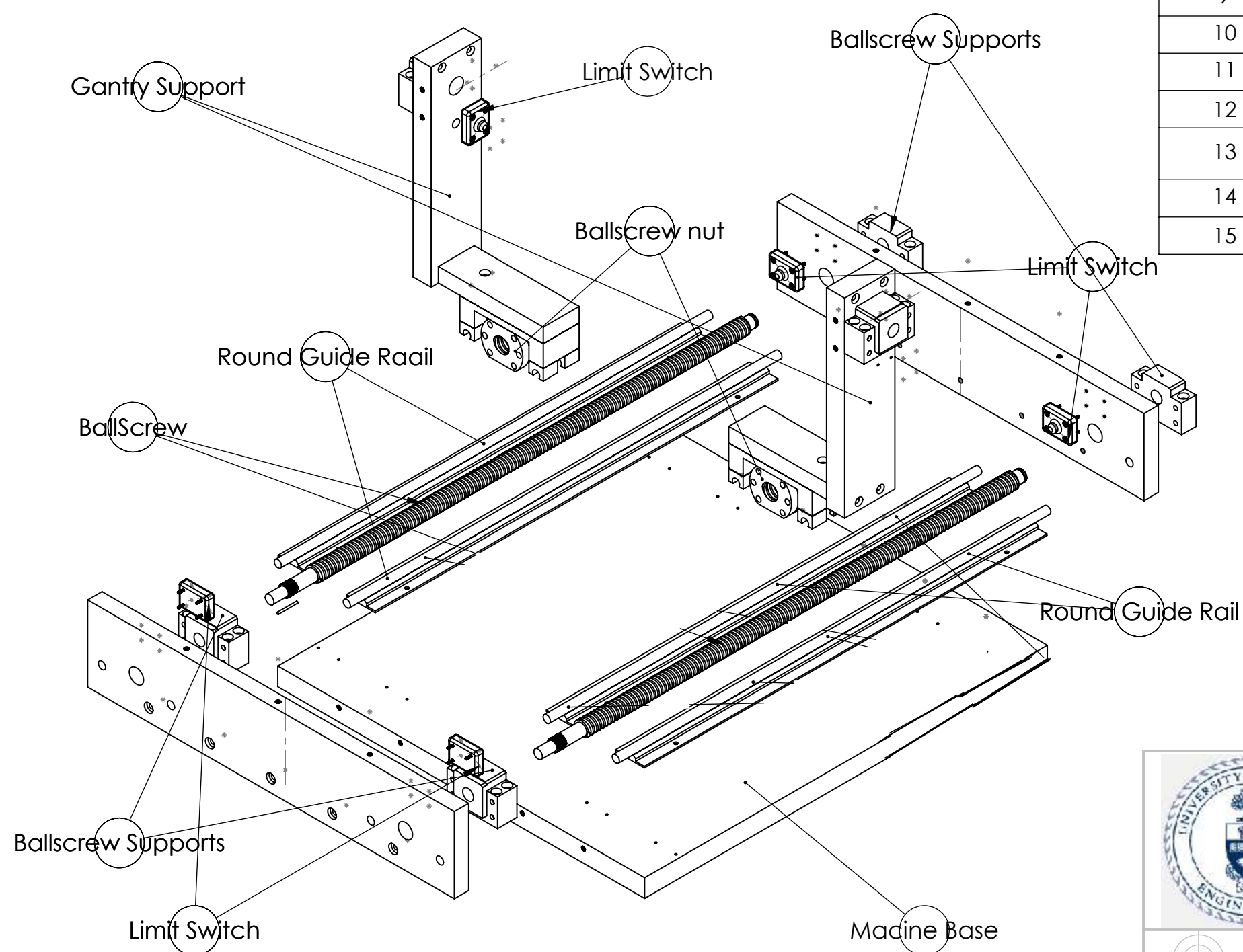
	AUTHOR: Karan Raikundalia	CLASS: MIE 243	LAB SECTION:	PREPARED FOR: DRAWING PURPOSE
	STUDENT NO. 1004742727	TITLE: X-axis Drawings		
	DATE: 12/1/2019			
	MATERIAL: MATERIAL	PART NO. N/A	REV. 1	
	UNLESS OTHERWISE SPECIFIED, UNITS: MM, DEGREE	SCALE:1:5	SHEET 1 OF 1	


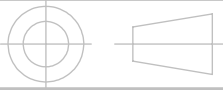


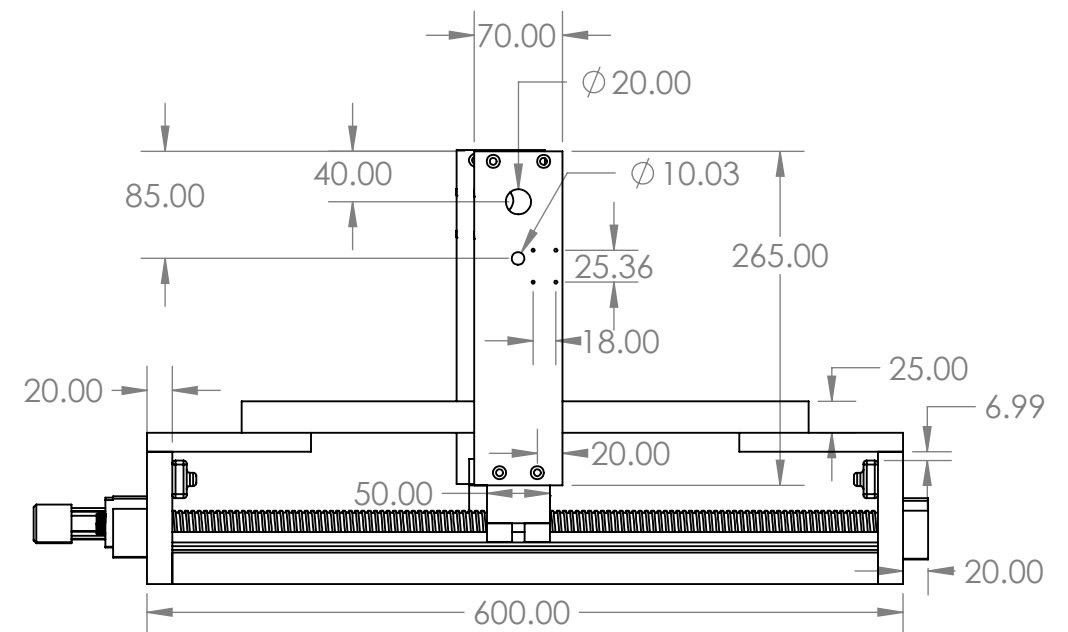
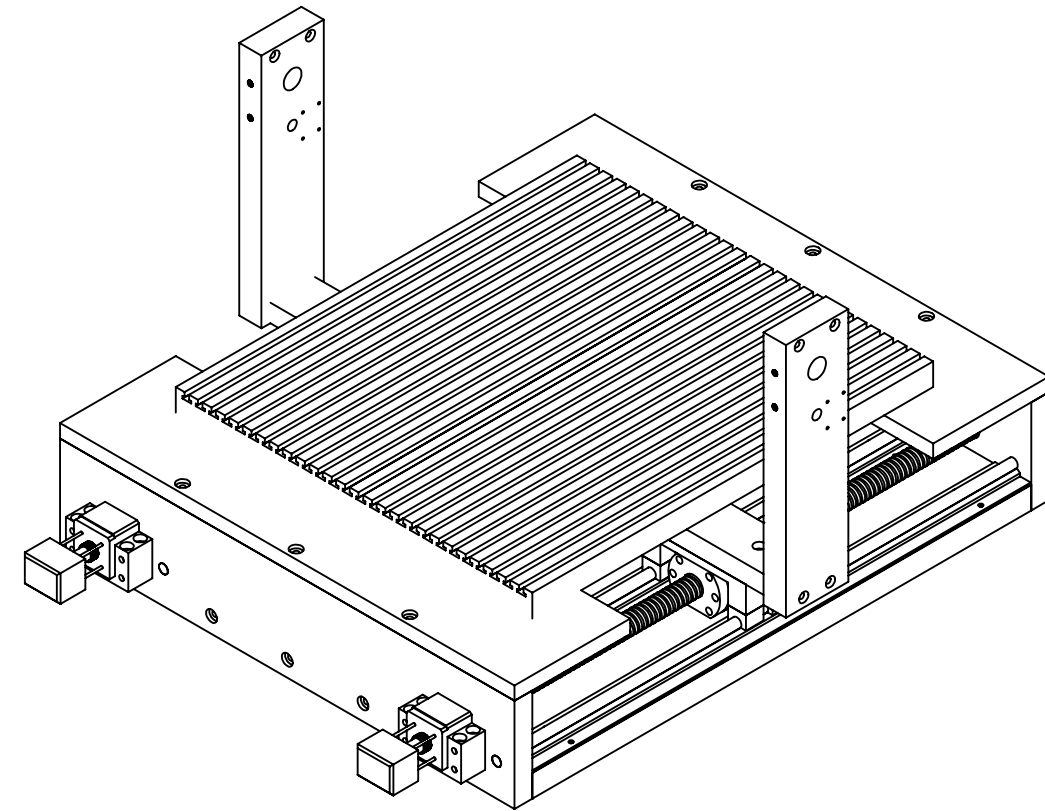
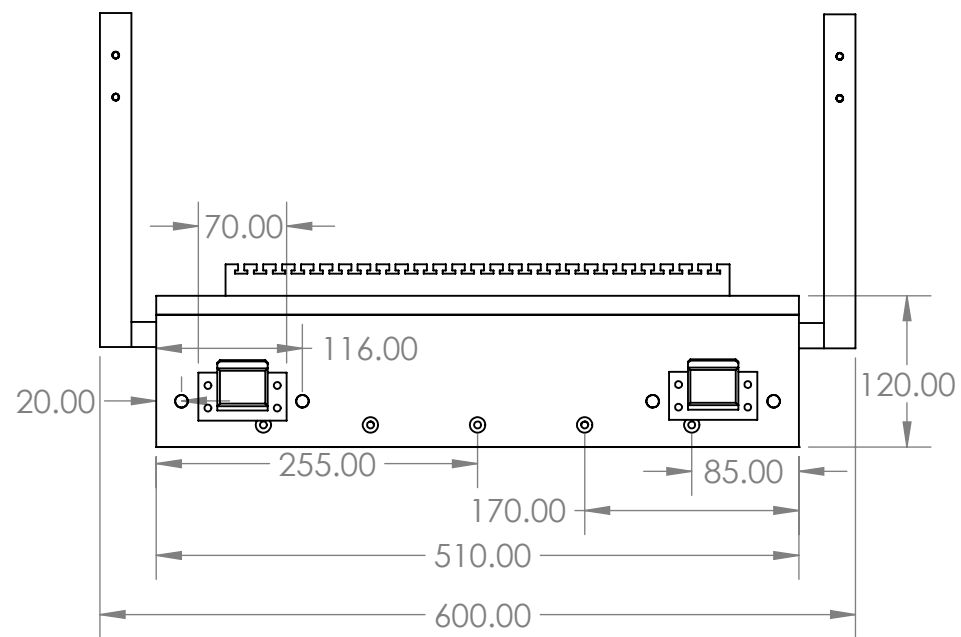
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	Bridge	Aluminium 6061	1
2	BridgeArms	Aluminium 6061	2
3	x guide rail support	Aluminium 6061	1
4	x guide rail	Aluminium 6061	2
5	800mmpillowblock	Aluminium 6061	4
6	backboard	Aluminium 6061	1
7	600mm Ball Screw	Steel Alloy	3
8	Ball Nut Housing new	Steel Alloy	1
9	Nut for Ball Screwnew	Steel Alloy	1
10	x axis guide rail number 2	Aluminium 6061	1
11	XaxisMountingPlate	Aluminium 6061	1
14	MotorMountingPLate	Aluminium 6061	1
15	UniversalGantryPlate	Aluminium 6061	1
19	Bearing625	Steel Alloy	8
21	DoubleTeeNut	Steel Alloy	1
22	Motors	HDP	1
24	Shaftofmotor	Steel Alloy	1


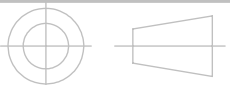
	AUTHOR: Zishan Karmali	CLASS: MIE 243	LAB SECTION:	PREPARED FOR: DRAWING PURPOSE
	STUDENT NO. 1004756365	TITLE: X-Axis Exploded View		
	DATE: 12/4/2019			
	MATERIAL: MATERIAL	PART NO. XXX	REV. 1	
	UNLESS OTHERWISE SPECIFIED, UNITS: MM, DEGREE	SCALE 1:3.5	SHEET 1 OF 1	

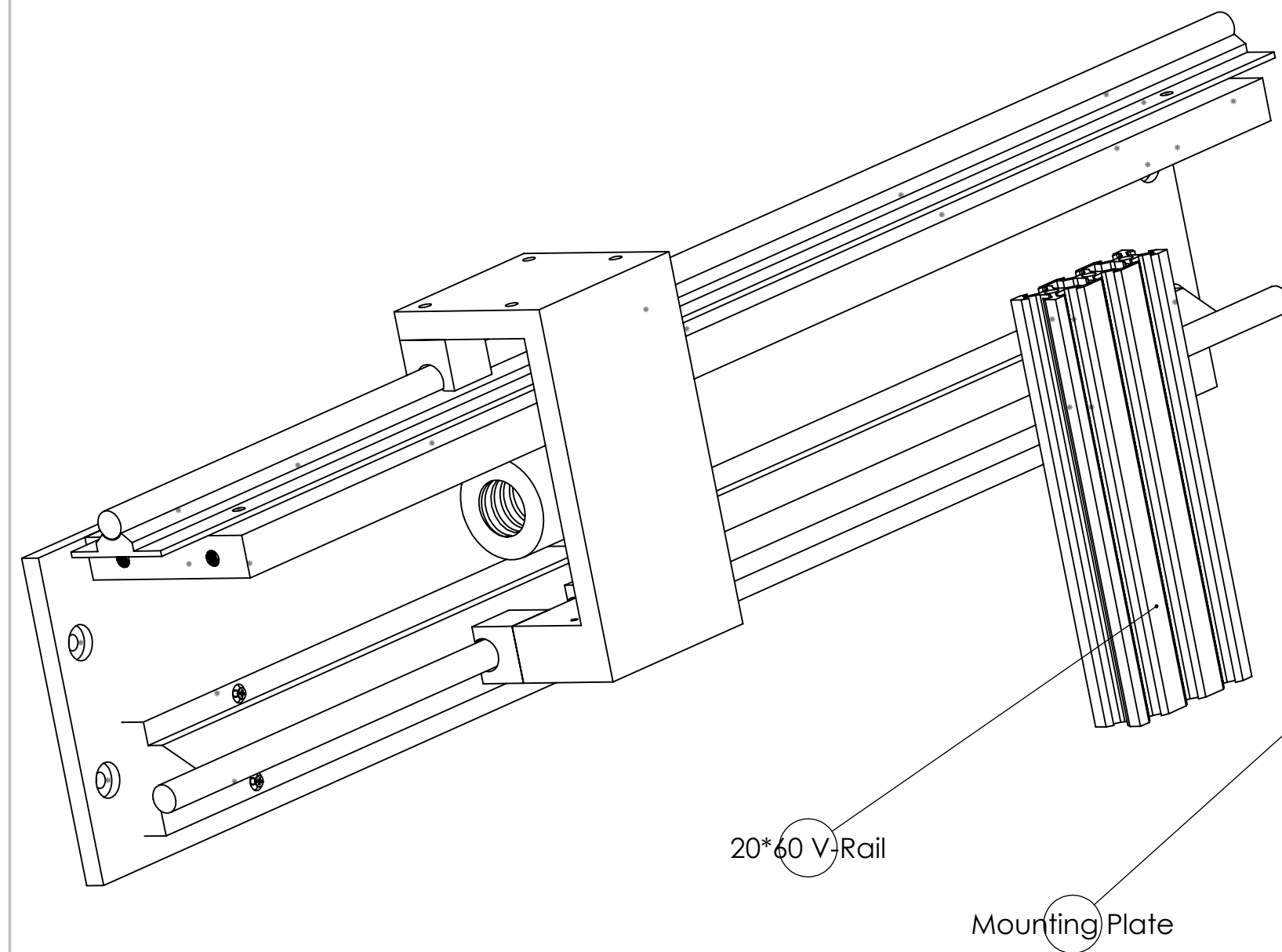
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	BridgeArms	Aluminium 6061	2
2	Fixed Support for ball screw	Aluminium 6061	3
3	600mm Ball Screw	Steel Alloy	2
4	Floating Support for ball screw	Aluminium 6061	3
5	verticalbase	Aluminium 6061	2
6	y guide rail support	Aluminium 6061	4
7	y guide rail	Aluminium 6061	4
8	SliderBearingY-axis	Aluminium 6061	8
9	Ball Nut Housing	Aluminium 6061	2
10	Nut for Ball Screw	Steel Alloy	2
11	Connectionyaxis	Aluminium 6061	2
12	Floorbase	Aluminium 6061	1
13	BridgeSupportFixing (1)	Aluminium 6061	2
14	MotorSupportingShaft	Aluminium 6061	1
15	limit swithxaxis	HDP Plastic	5



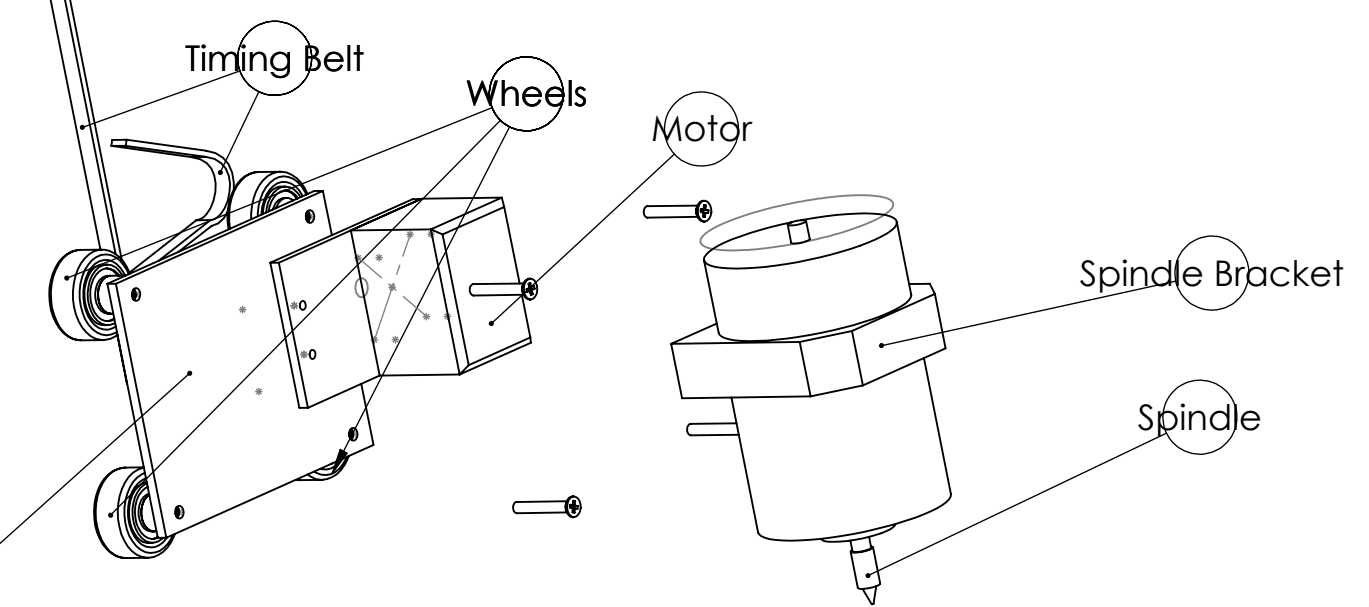
	AUTHOR: Zishan Karmali	CLASS: MIE 243	LAB SECTION:	PREPARED FOR: DRAWING PURPOSE
	STUDENT NO. 1004756365	TITLE: Y-Axis Exploded View		
	DATE: 12/1/2019			
	MATERIAL: MATERIAL	PART NO. XXX	REV. 1	
	UNLESS OTHERWISE SPECIFIED, UNITS: MM, DEGREE	SCALE:1:20	SHEET 1 OF 1	





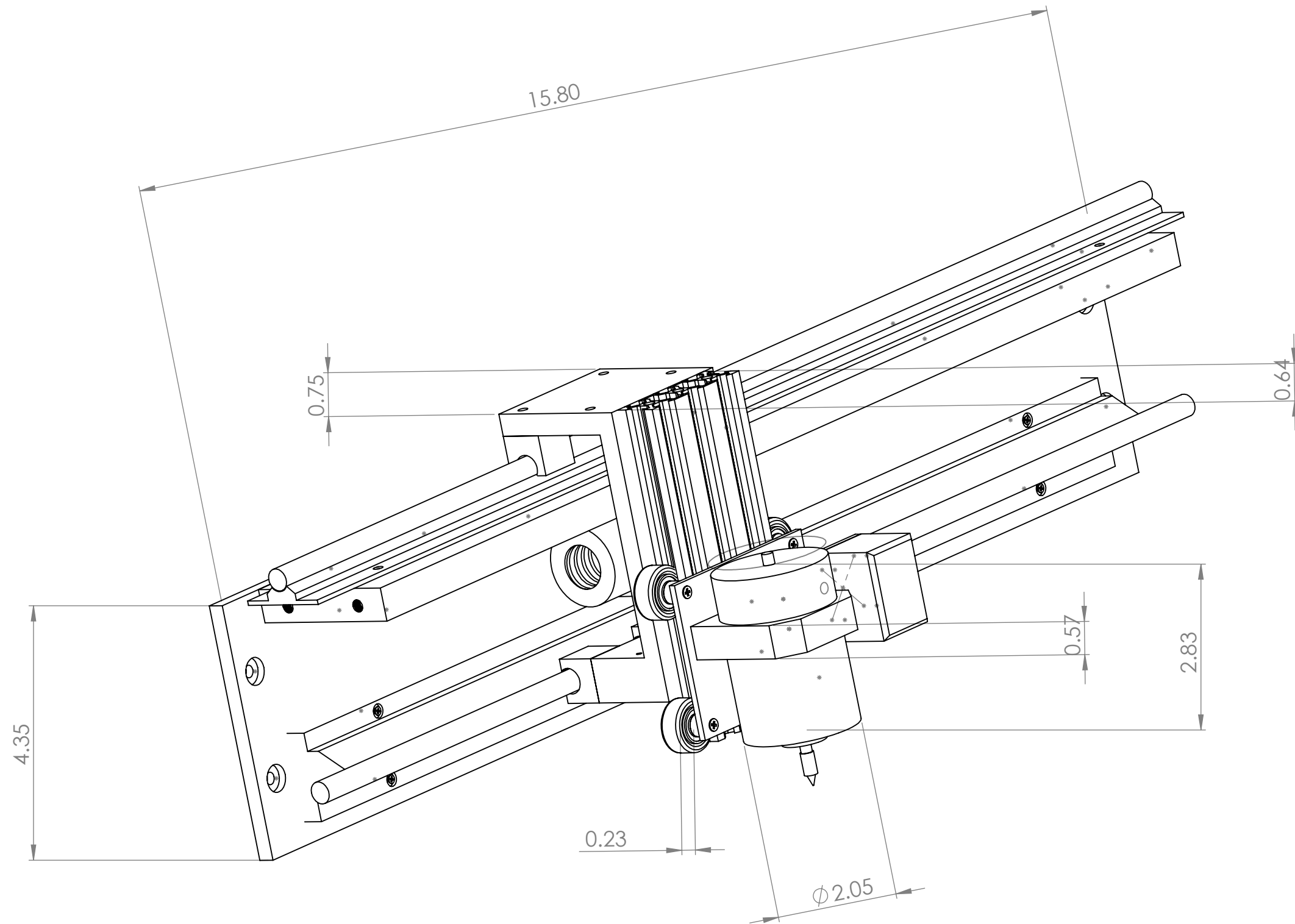
	AUTHOR: CHIRAG DHANANI	CLASS: MIE 243	PREPARED FOR: DRAWING PURPOSE
	STUDENT NO. 1004951625	TITLE: <div style="text-align: center; font-size: 2em;">Y-AXIS</div>	
	DATE: 12/1/2019		
	MATERIAL: MATERIAL	PART NO. N/A	REV. 1
UNLESS OTHERWISE SPECIFIED, UNITS: MM, DEGREE		SCALE:1:10	SHEET 1 OF 1



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	Bridge	Aluminium 6061	1
5	backboard	Aluminium 6061	1
6	Nut for Ball Screwnew	Steel Alloy	1
9	Vrail	Aluminium 6061	1
10	MotorMountingPLate	Aluminium 6061	1
11	UniversalGantryPlate	Aluminium 6061	1
12	Aluminium spacer	Aluminium 6061	2
13	EccentricSpacer	Aluminium 6061	2
14	PrecisionShim	Aluminium 6061	8
15	Bearing625	Aluminium 6061	8
17	DoubleTeeNut	Steel Alloy	1
18	Motors	HDP	1
19	gt 2 timing pulley	Steel Alloy	1
20	Shaftofmotor	Steel Alloy	1
23	Spindle	Steel Alloy	1
24	SpindleMountingBracket	Aluminium 6061	1
25	beltpart1	Fiber Glass	1



	AUTHOR: Zishan Karmali	CLASS: MIE 243	LAB SECTION:	PREPARED FOR: DRAWING PURPOSE
	STUDENT NO. 1004756365	TITLE: Z-Axis Exploded View		
	DATE: 12/1/2019			
	MATERIAL: MATERIAL	PART NO. XXX	REV. 1	
UNLESS OTHERWISE SPECIFIED, UNITS: MM, DEGREE		SCALE:1:10	SHEET 1 OF 1	



AUTHOR:
Zishan Karmali

STUDENT NO.
1004756365

DATE: 12/1/2019

MATERIAL: MATERIAL

CLASS: MIE 243

LAB SECTION:

PREPARED FOR:
DRAWING PURPOSE

TITLE:
Isometric View

PART NO. XXX

REV. 1



UNLESS OTHERWISE SPECIFIED, UNITS: MM, DEGREE

SCALE:1:5

SHEET 1 OF 1