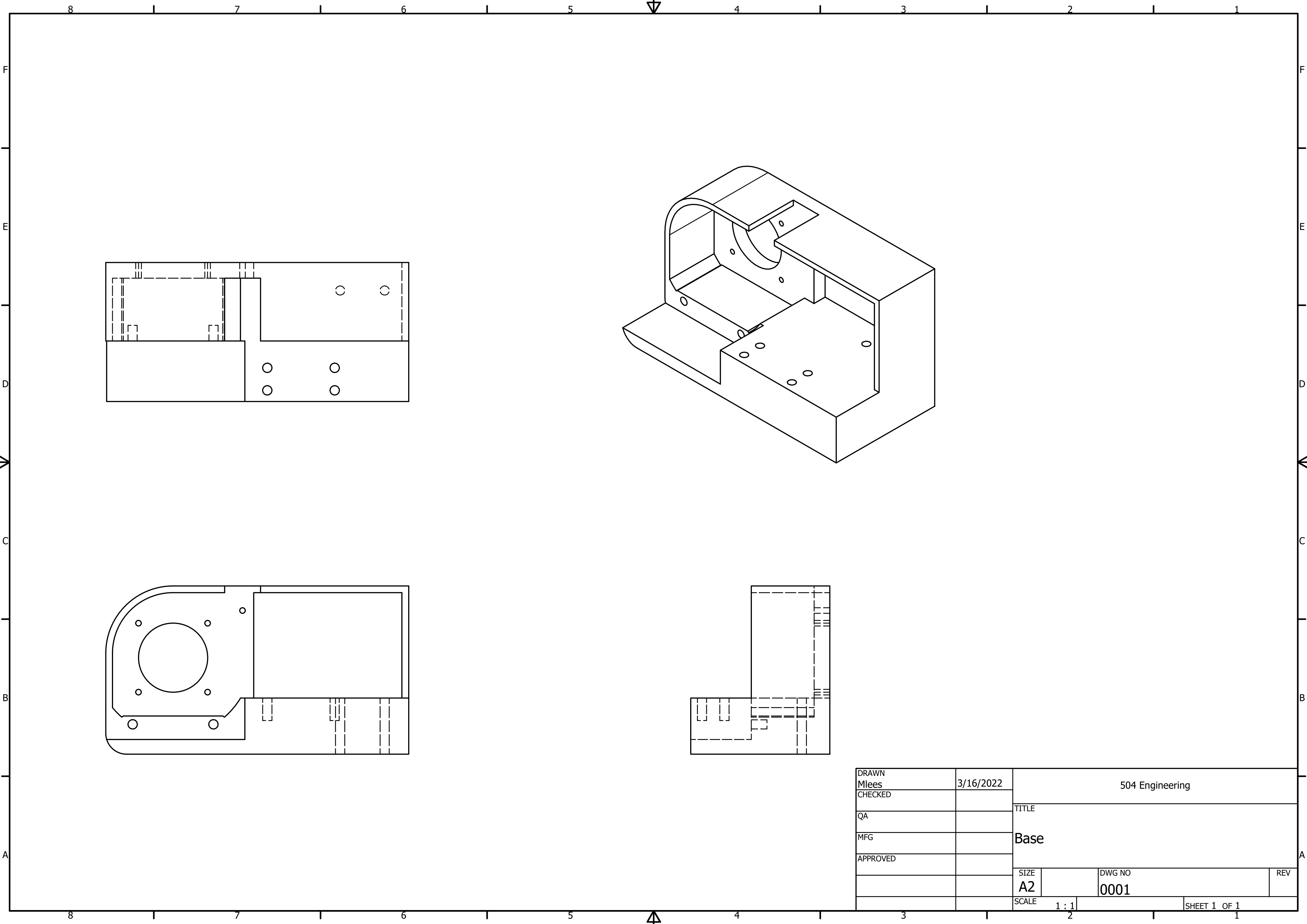
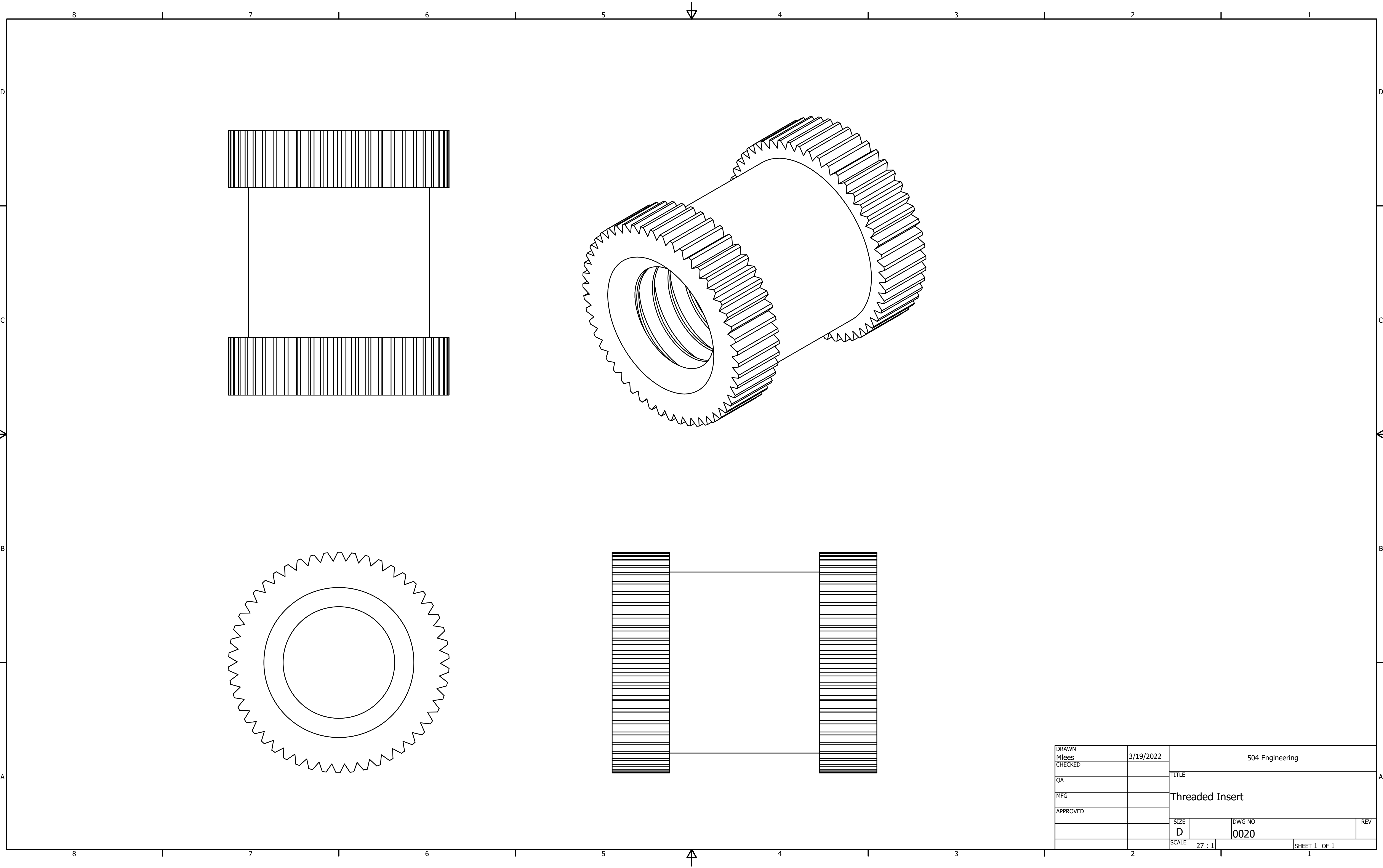
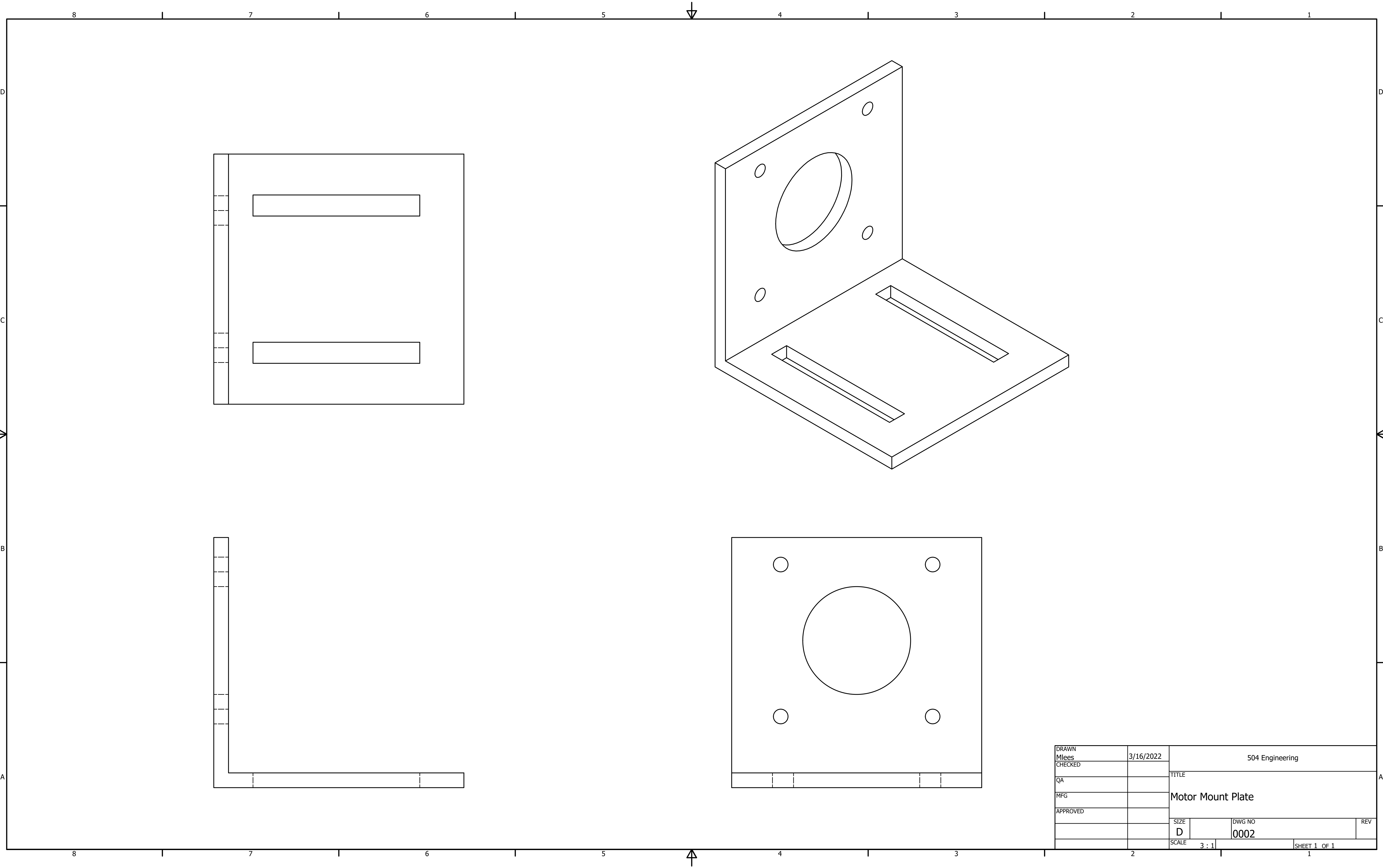


DRAWN	Mlees	3/16/2022	504 Engineering		
CHECKED			TITLE		
QA			Full Design of Robotic Arm		
MFG			SIZE		
APPROVED			A2		
			DWG NO		
			Full_Design		
			SCALE		
			1 / 2		
			SHEET 1 OF 1		

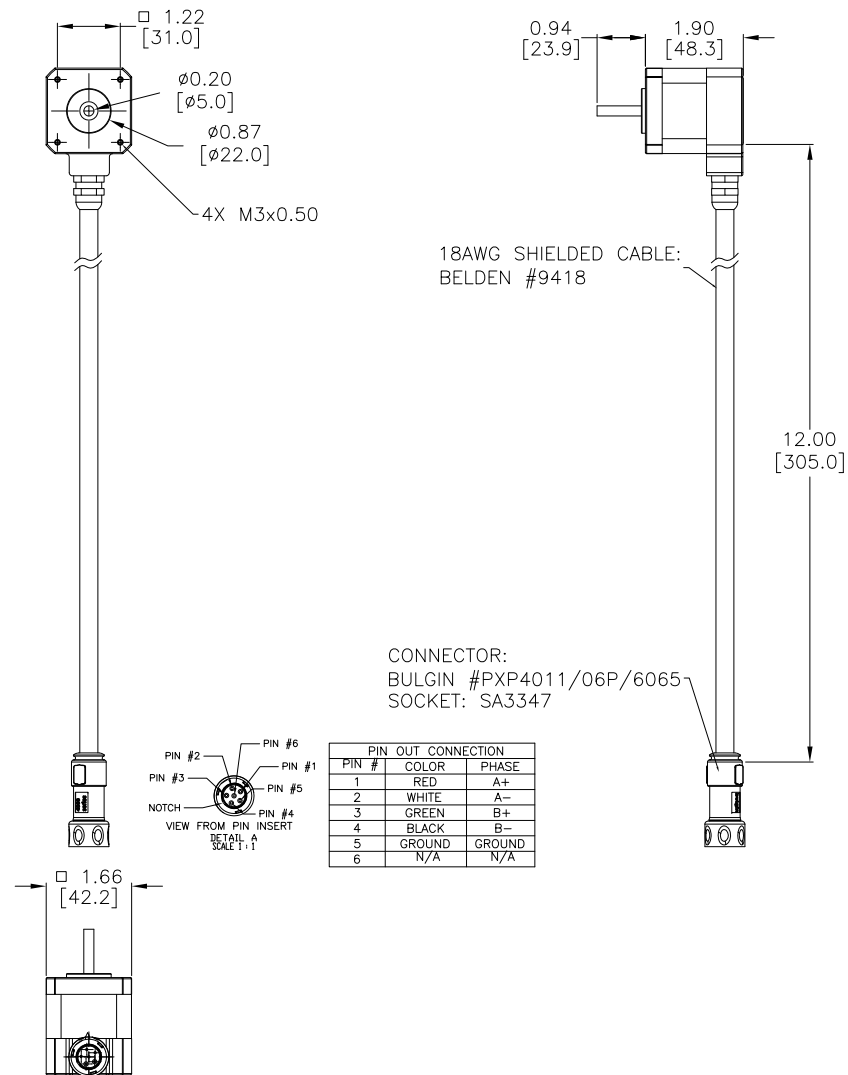




DRAWN	Mlees	3/19/2022	504 Engineering		
CHECKED			TITLE		
QA			Threaded Insert		
MFG					
APPROVED					
			SIZE	DWG NO	REV
			D	0020	
			SCALE	27 : 1	SHEET 1 OF 1



DRAWN	Mlees	3/16/2022	504 Engineering		
CHECKED			TITLE		
QA			Motor Mount Plate		
MFG					
APPROVED					
			SIZE	DWG NO	REV
			D	0002	
			SCALE	3 : 1	SHEET 1 OF 1



#### NOTES:

1. DIMENSIONS CAN BE CHANGED BY MANUFACTURER WITHOUT NOTICE.
2. DIMENSIONS DO NOT IMPLY TOLERANCE.

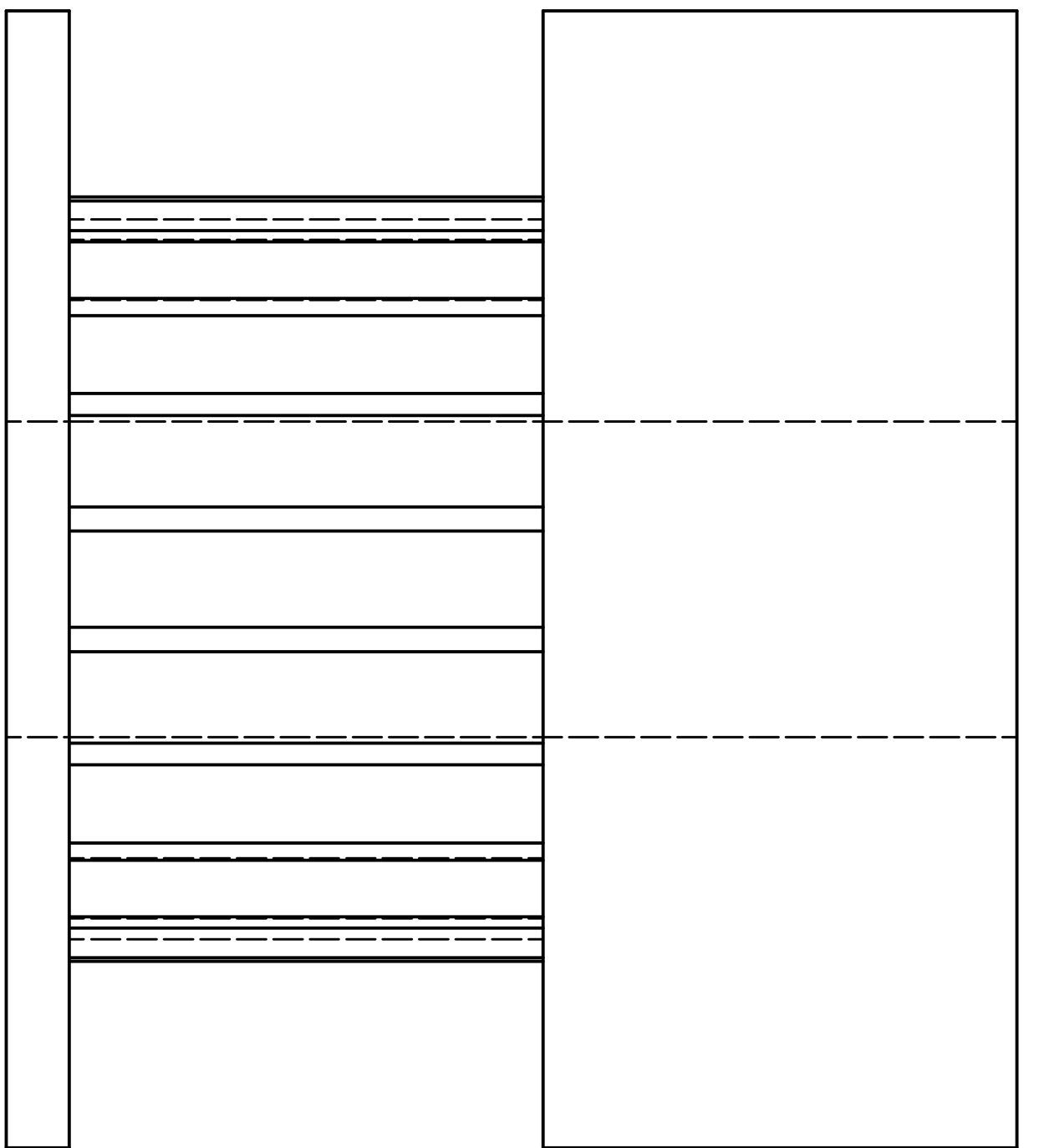
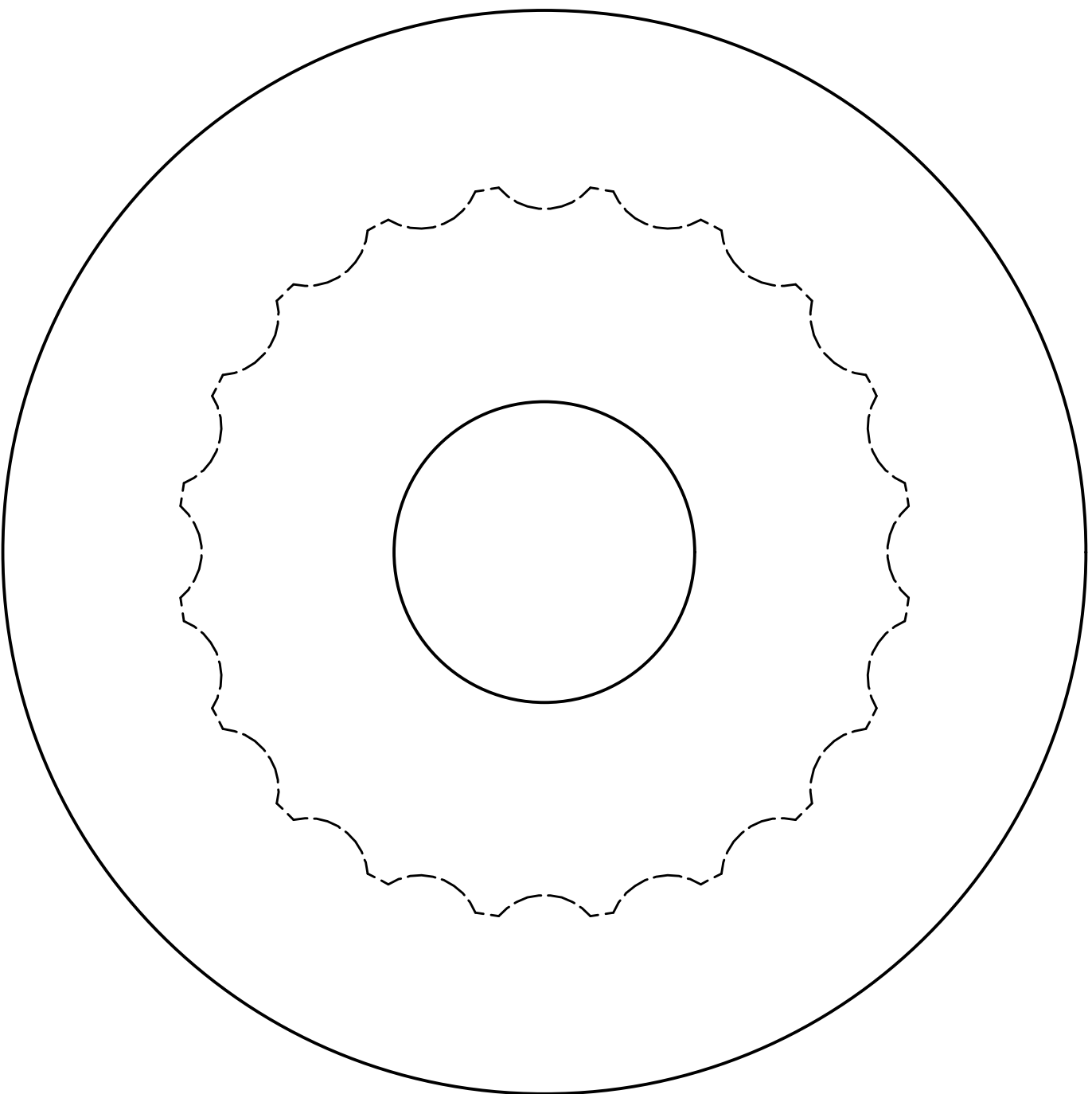
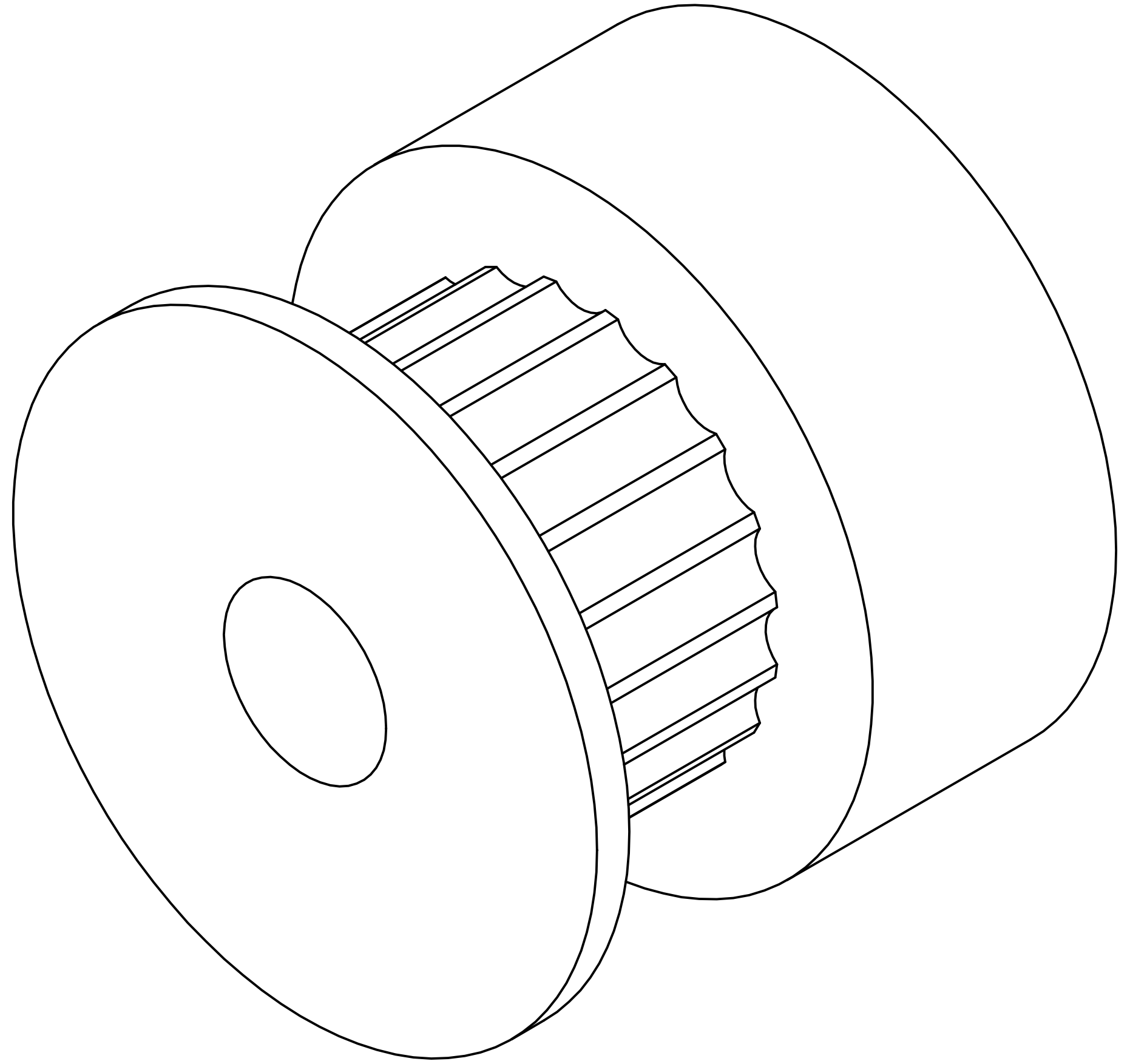
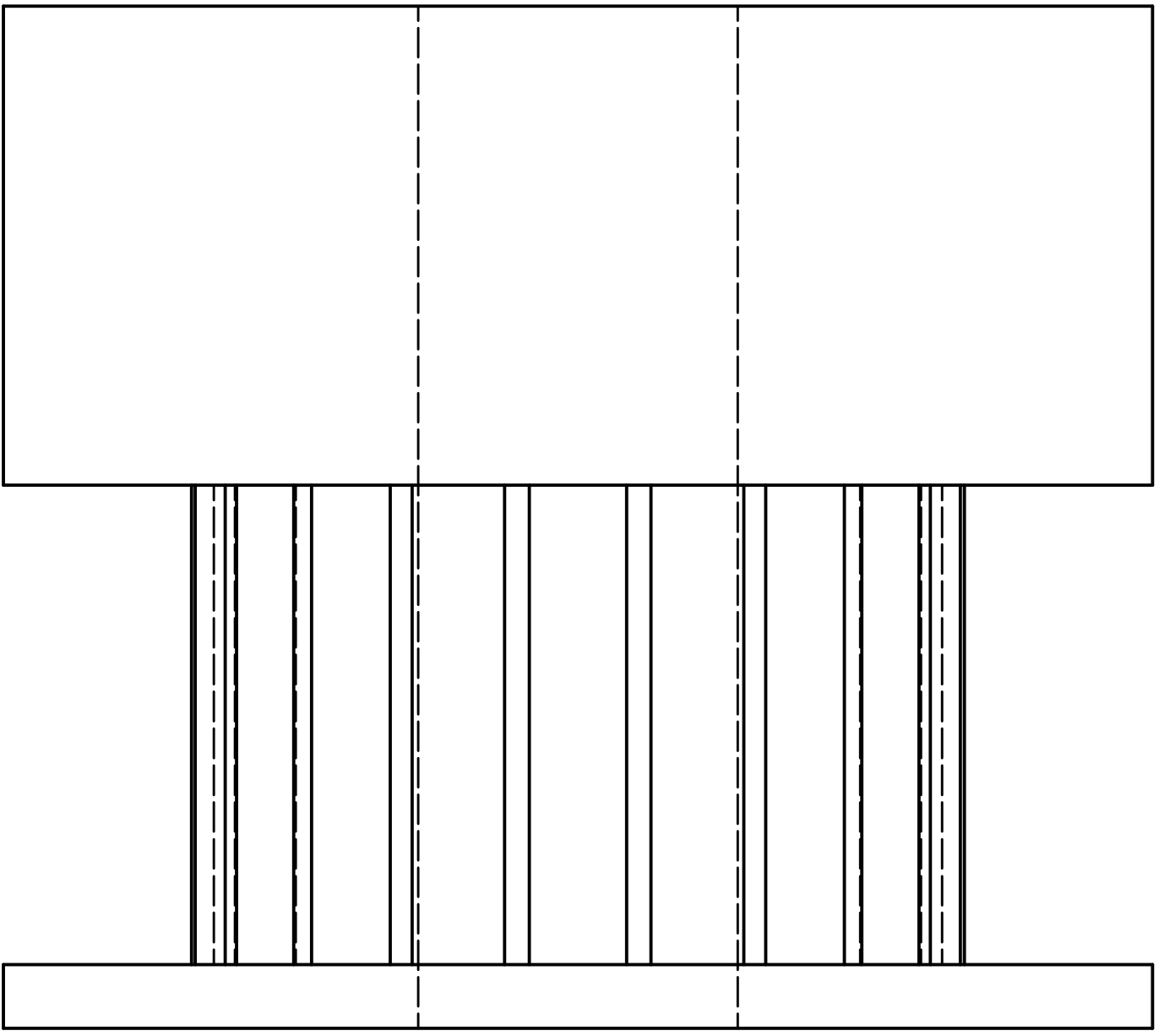
STP-MTR-17040W

Units: inches [mm]

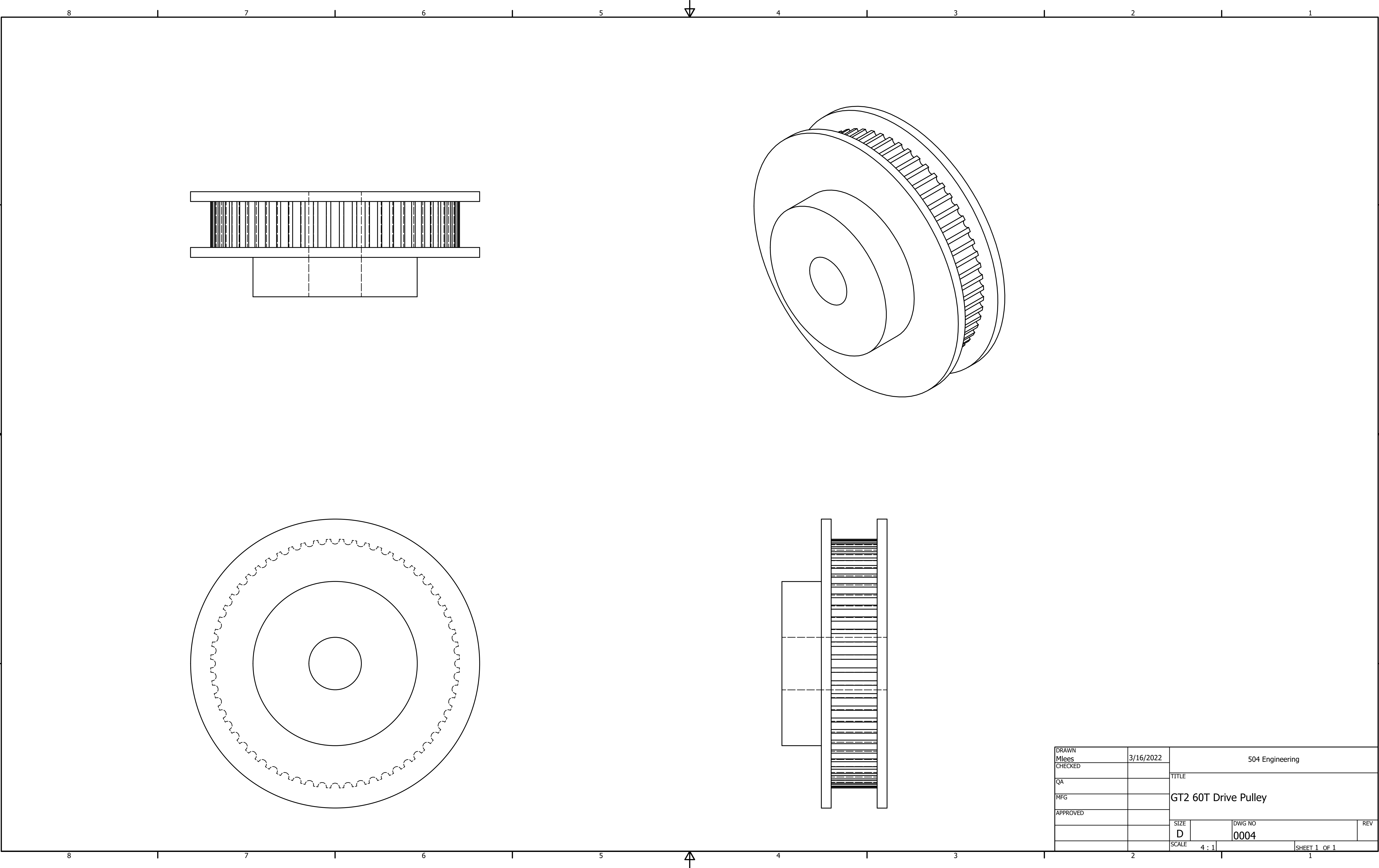
Scale: Full

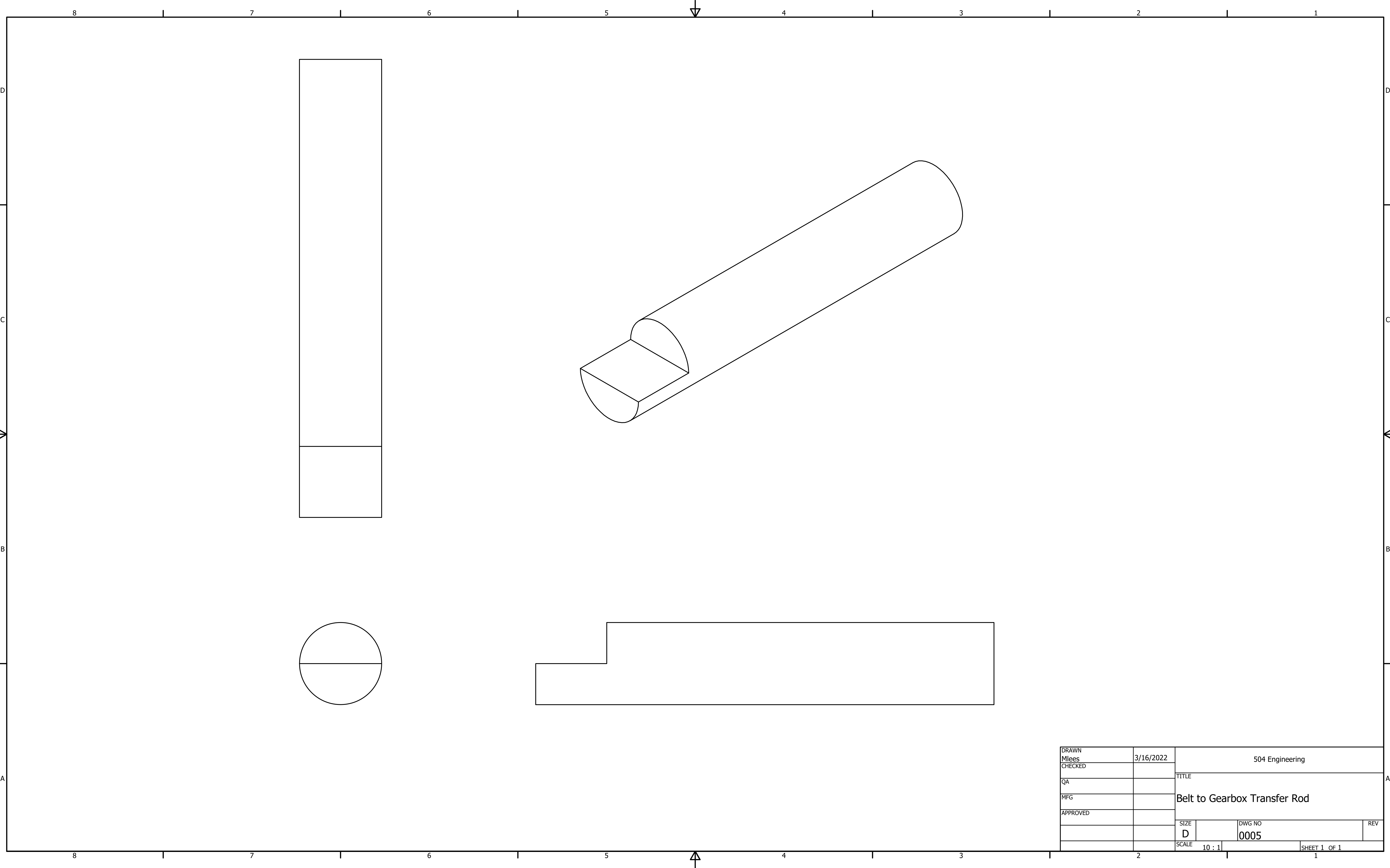
SureStep STEPPER MOTOR, NEMA 17  
FRAME, IP65, 1.7A, 61 OZ-IN

**AUTOMATIONDIRECT**.com

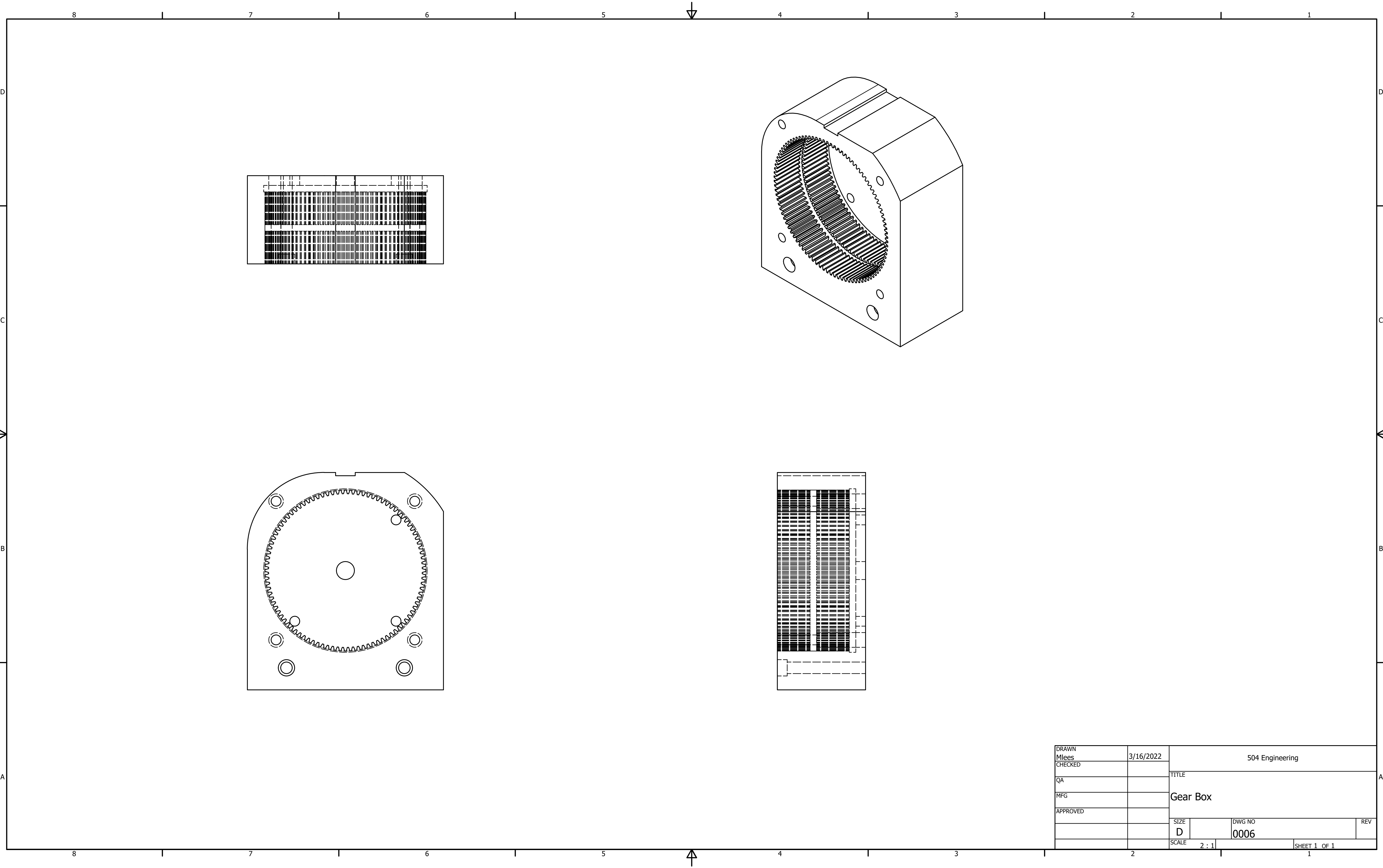


DRAWN	Mlees	3/16/2022	504 Engineering		
CHECKED			TITLE		
QA			GT2 20T Drive Pulley		
MFG					
APPROVED					
			SIZE	DWG NO	REV
			D	0003	
			SCALE	10 : 1	SHEET 1 OF 1

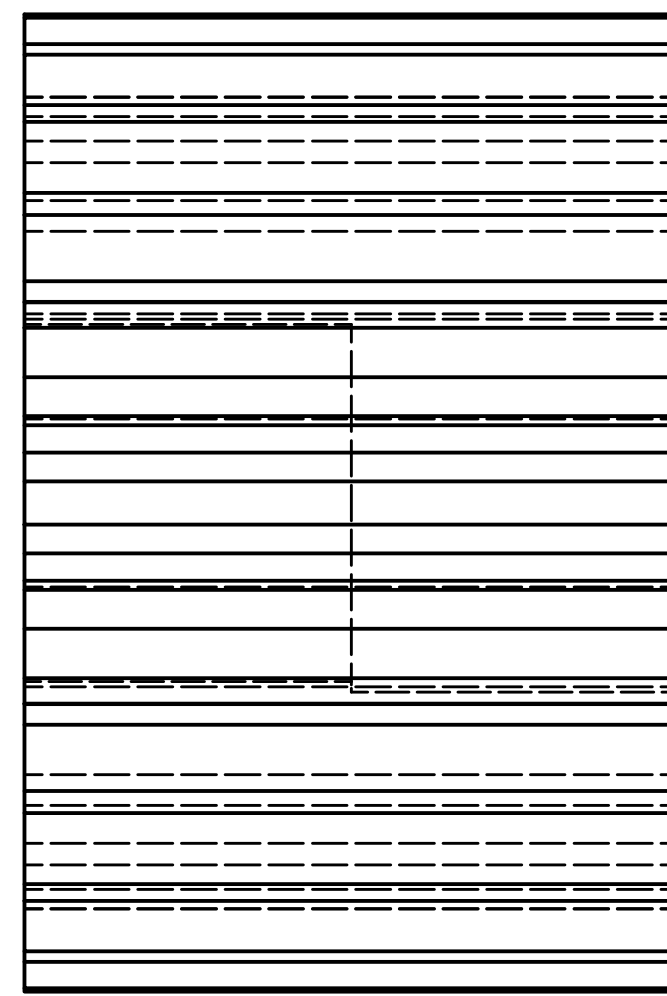
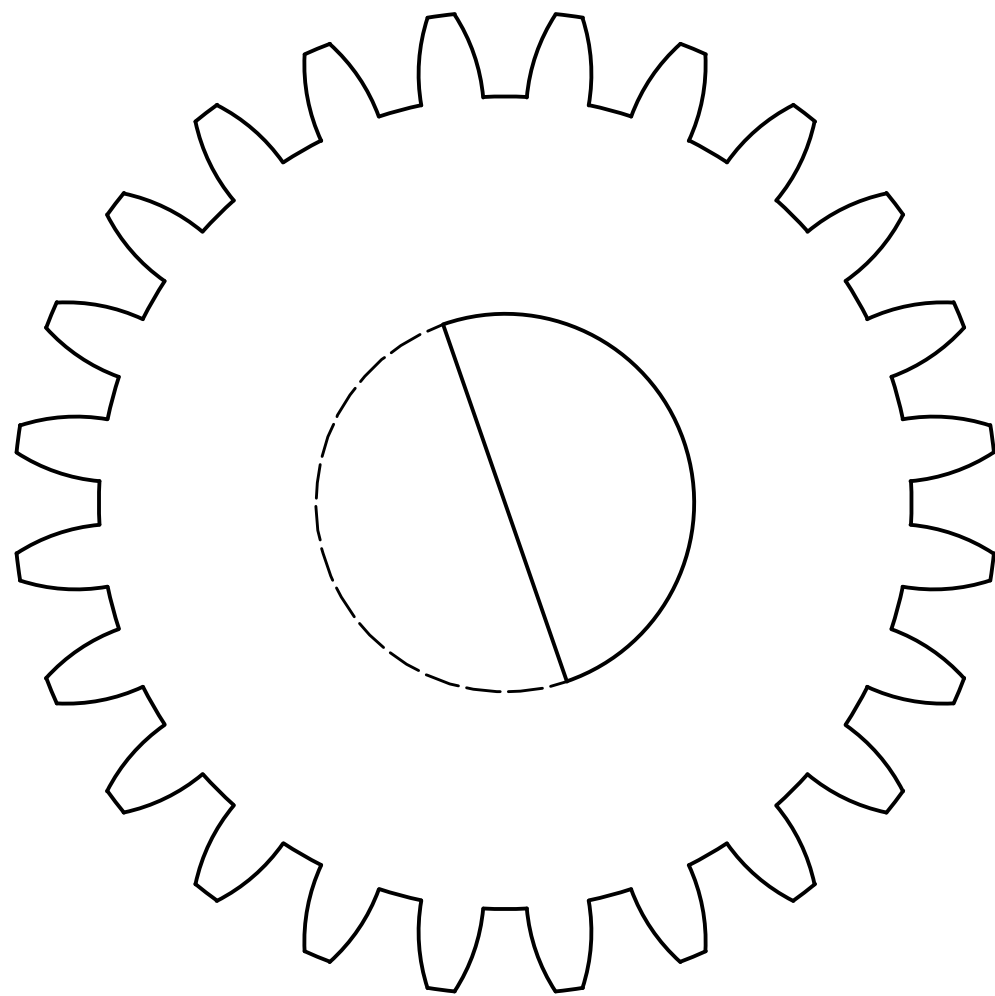
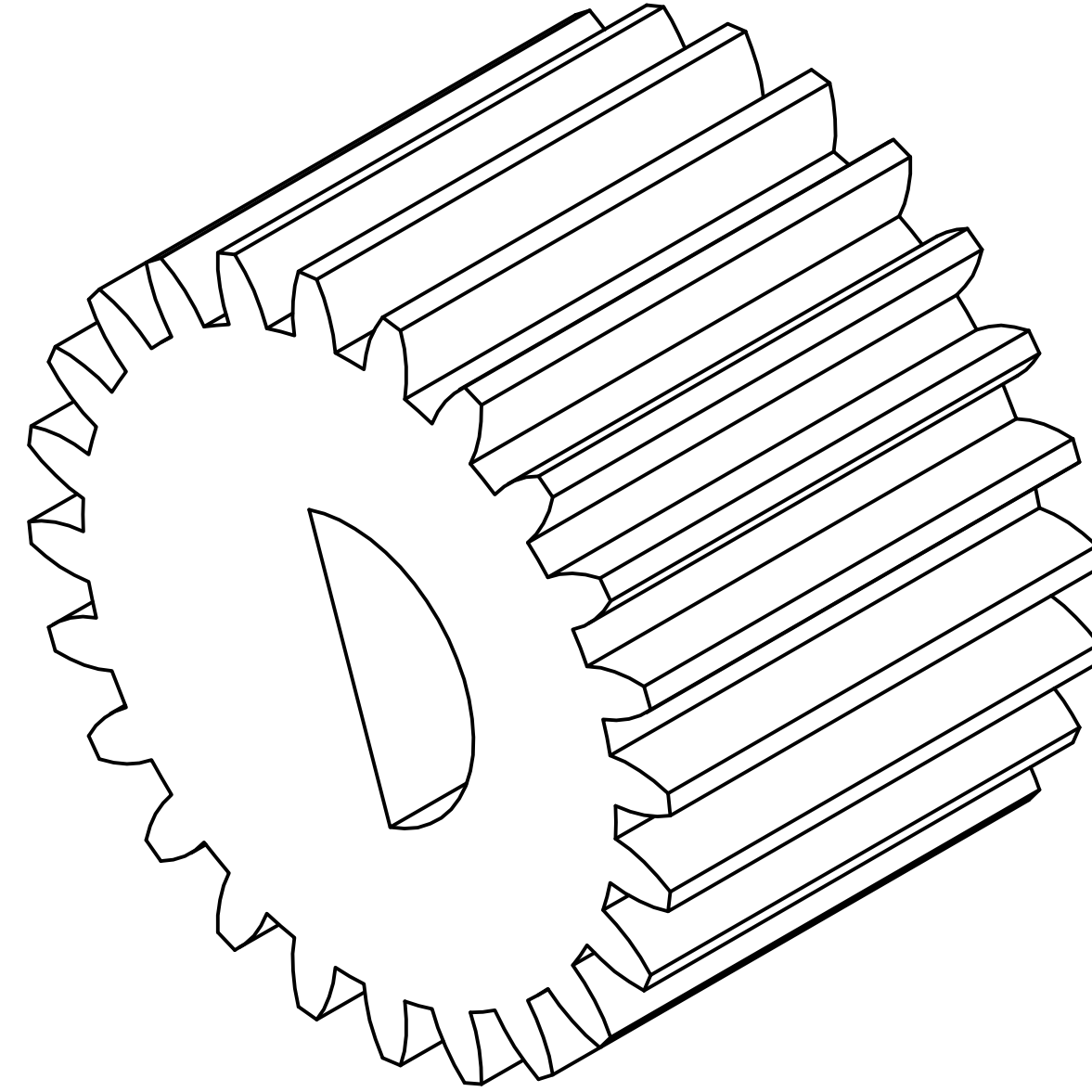
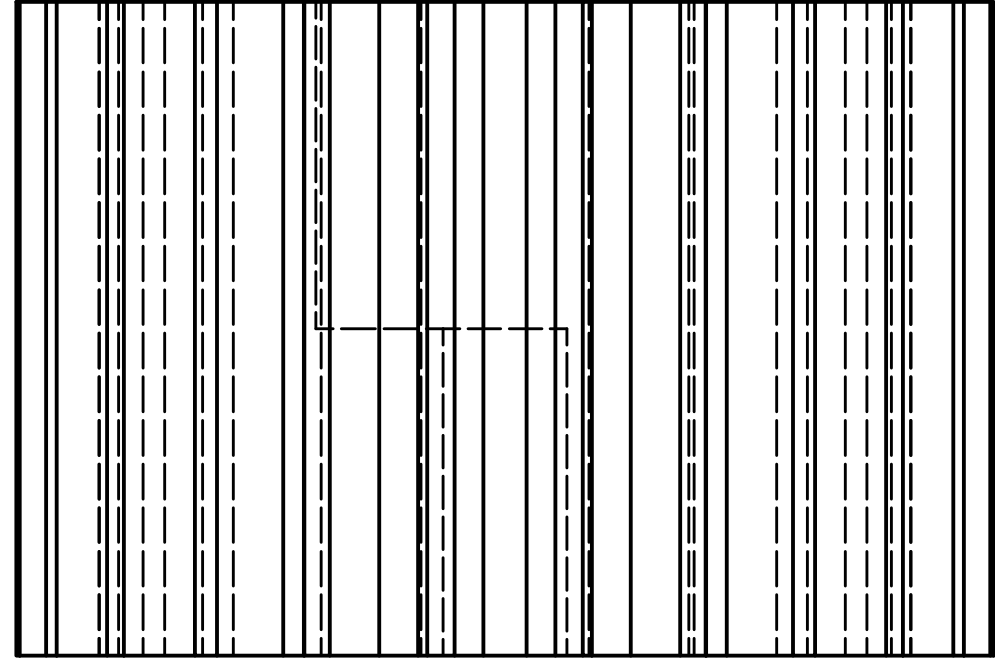




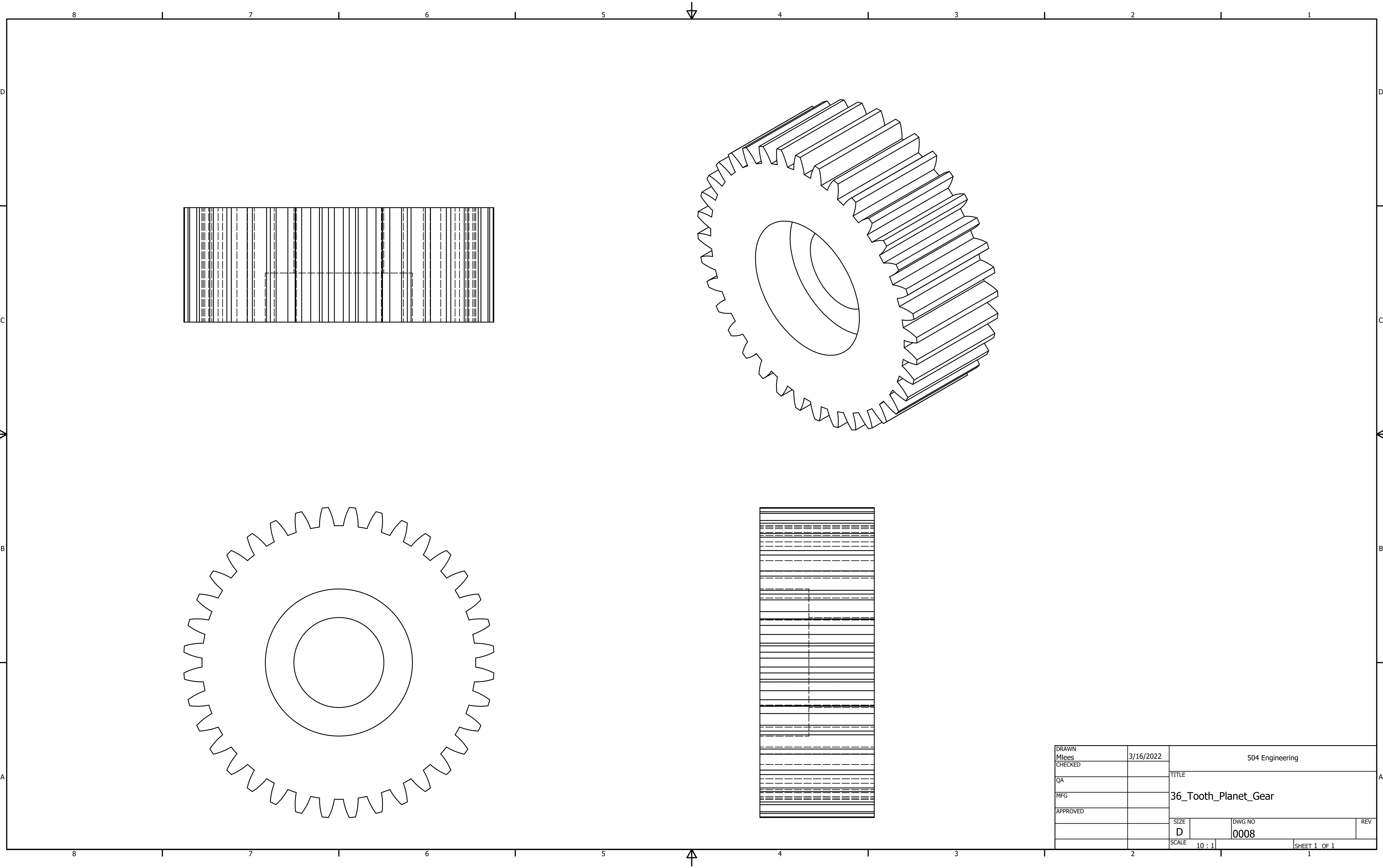




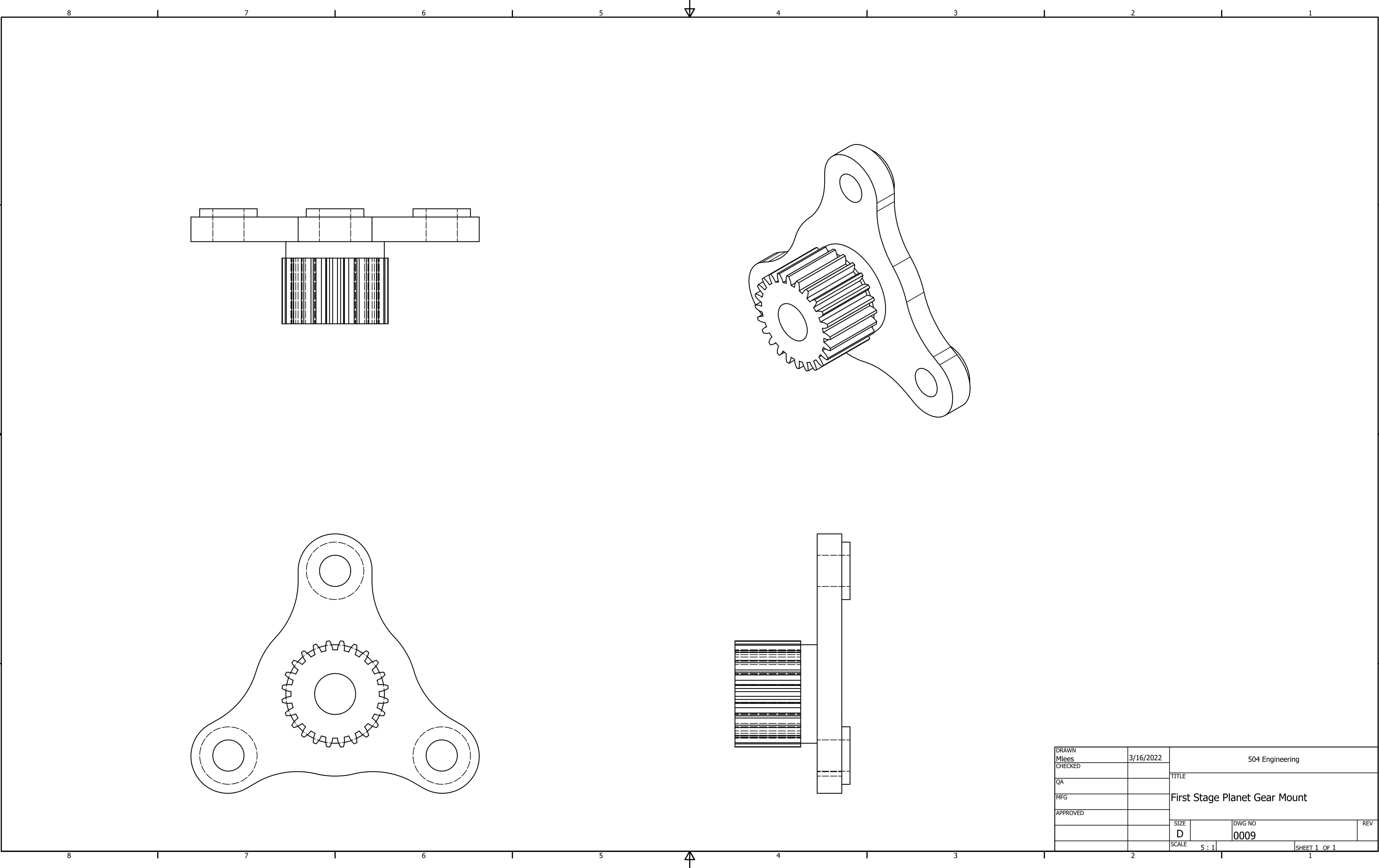
DRAWN	Mlees	3/16/2022	504 Engineering		
CHECKED			Gear Box		
QA					
MFG					
APPROVED					
			SIZE	DWG NO	REV
			D	0006	
			SCALE	2 : 1	SHEET 1 OF 1



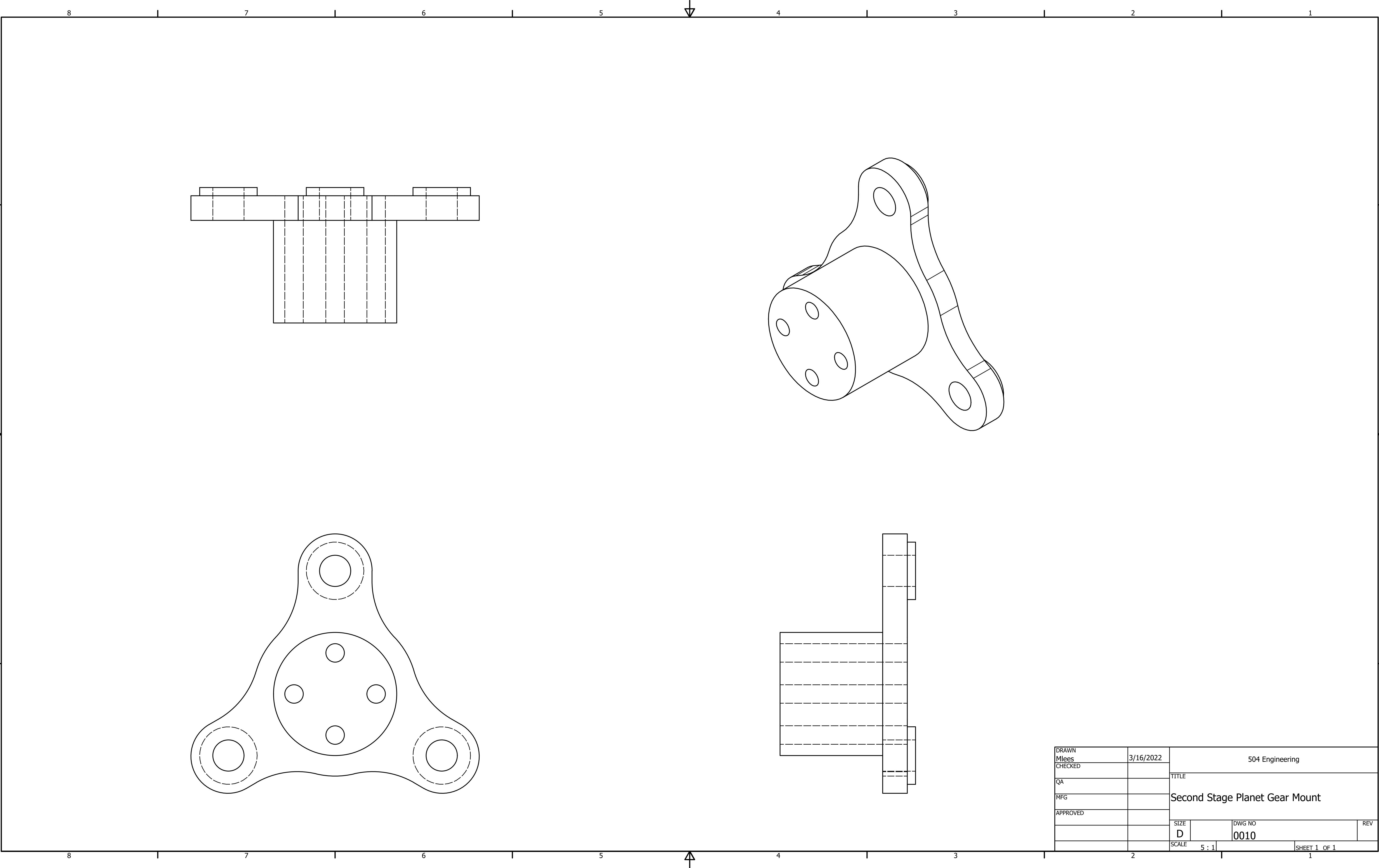
DRAWN	3/16/2022	504 Engineering			
Mlees CHECKED					
QA		TITLE  24 Tooth Sun Gear			
MFG					
APPROVED					
		SIZE D		DWG NO 0007	REV
		SCALE	10 : 1		SHEET 1 OF 1



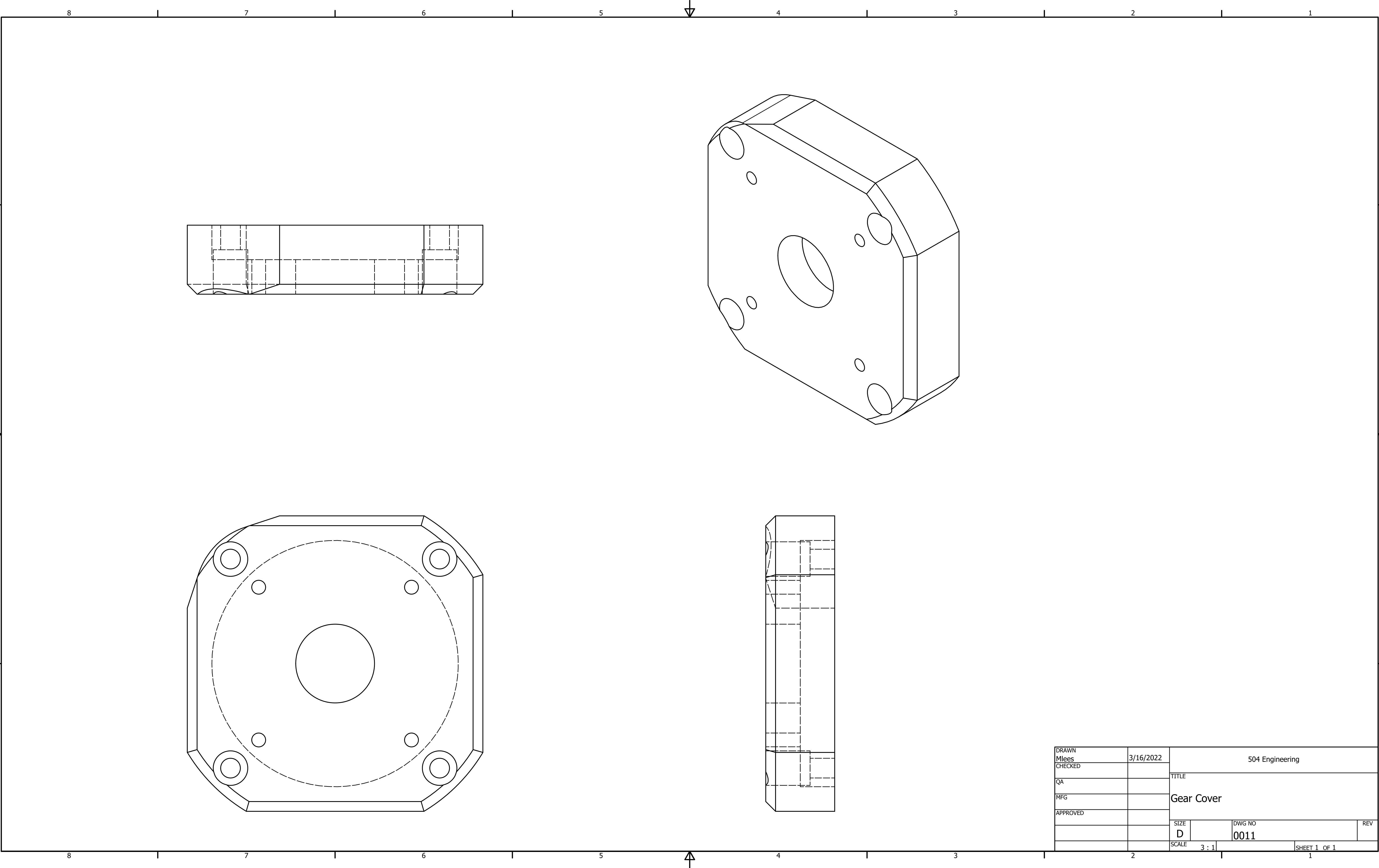
DRAWN	Mlees	3/16/2022	504 Engineering		
CHECKED			TITLE		
QA			36_Tooth_Planet_Gear		
MFG					
APPROVED					
			SIZE	DWG NO	REV
			D	0008	
			SCALE	10 : 1	SHEET 1 OF 1



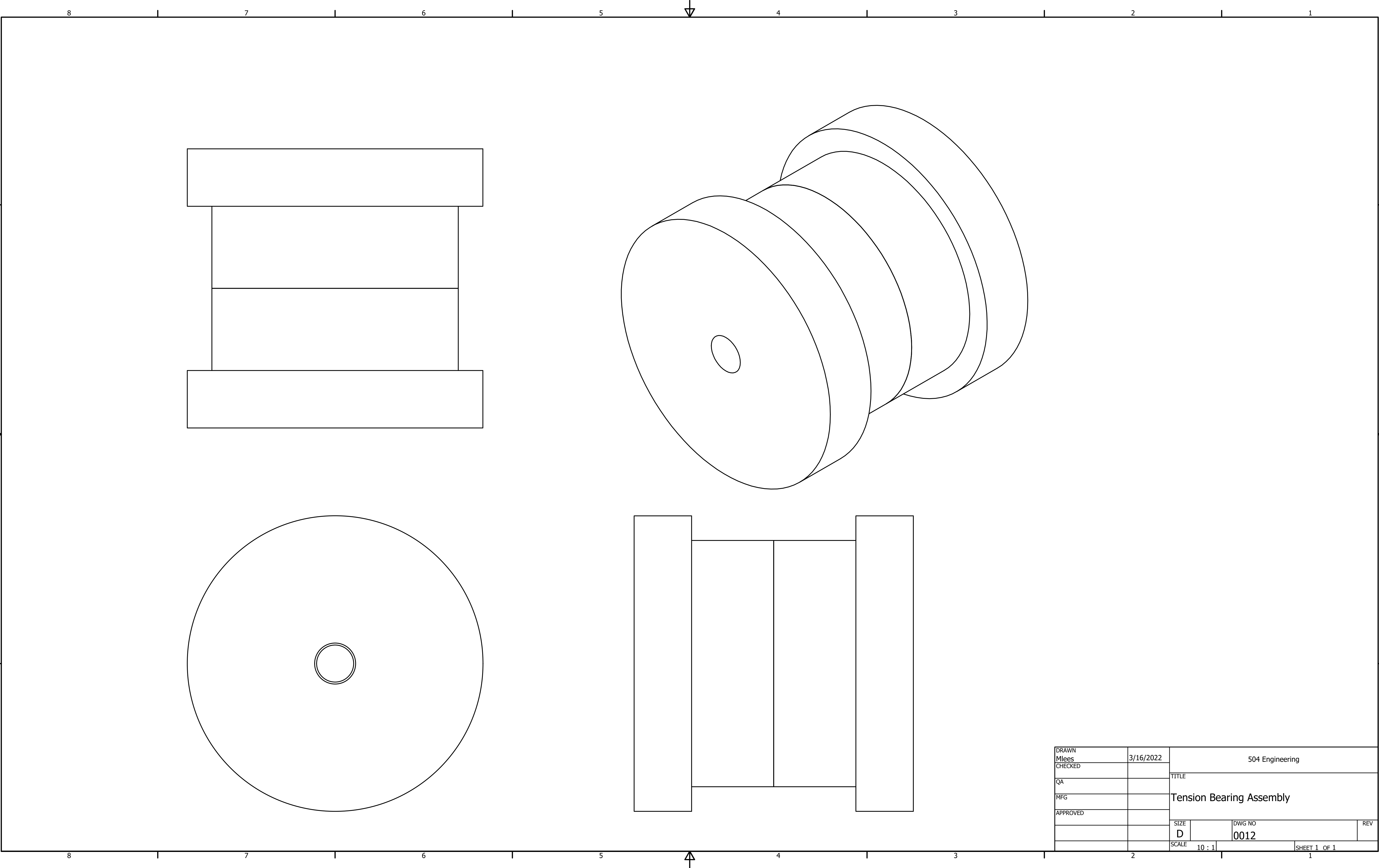
DRAWN	Mlees	3/16/2022	504 Engineering		
CHECKED			TITLE		
QA			First Stage Planet Gear Mount		
MFG					
APPROVED					
			SIZE	DWG NO	REV
			D	0009	
			SCALE	5 : 1	SHEET 1 OF 1



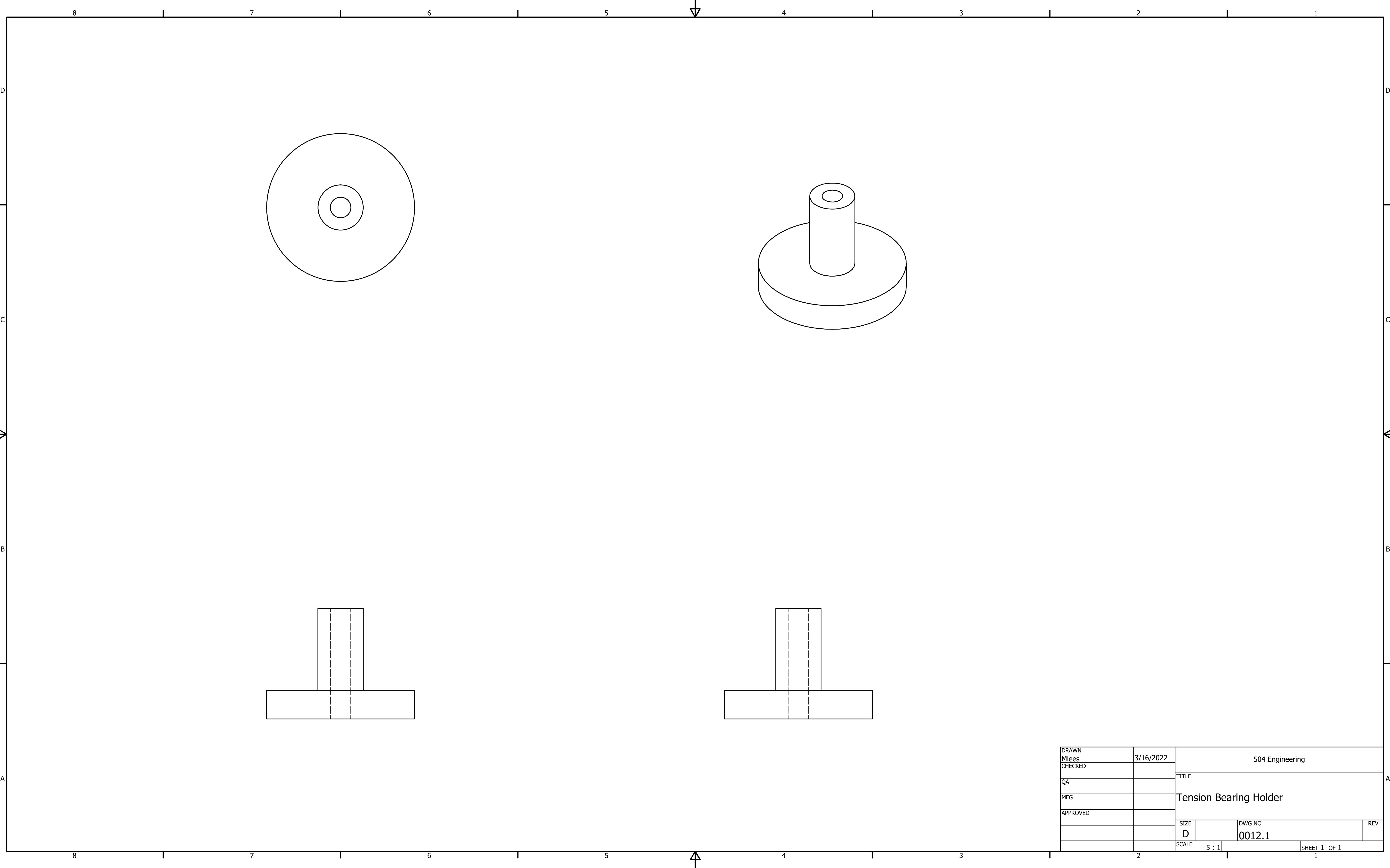
DRAWN	Mlees	3/16/2022	504 Engineering		
CHECKED			TITLE		
QA			Second Stage Planet Gear Mount		
MFG					
APPROVED					
			SIZE	DWG NO	REV
			D	0010	
			SCALE	5 : 1	SHEET 1 OF 1



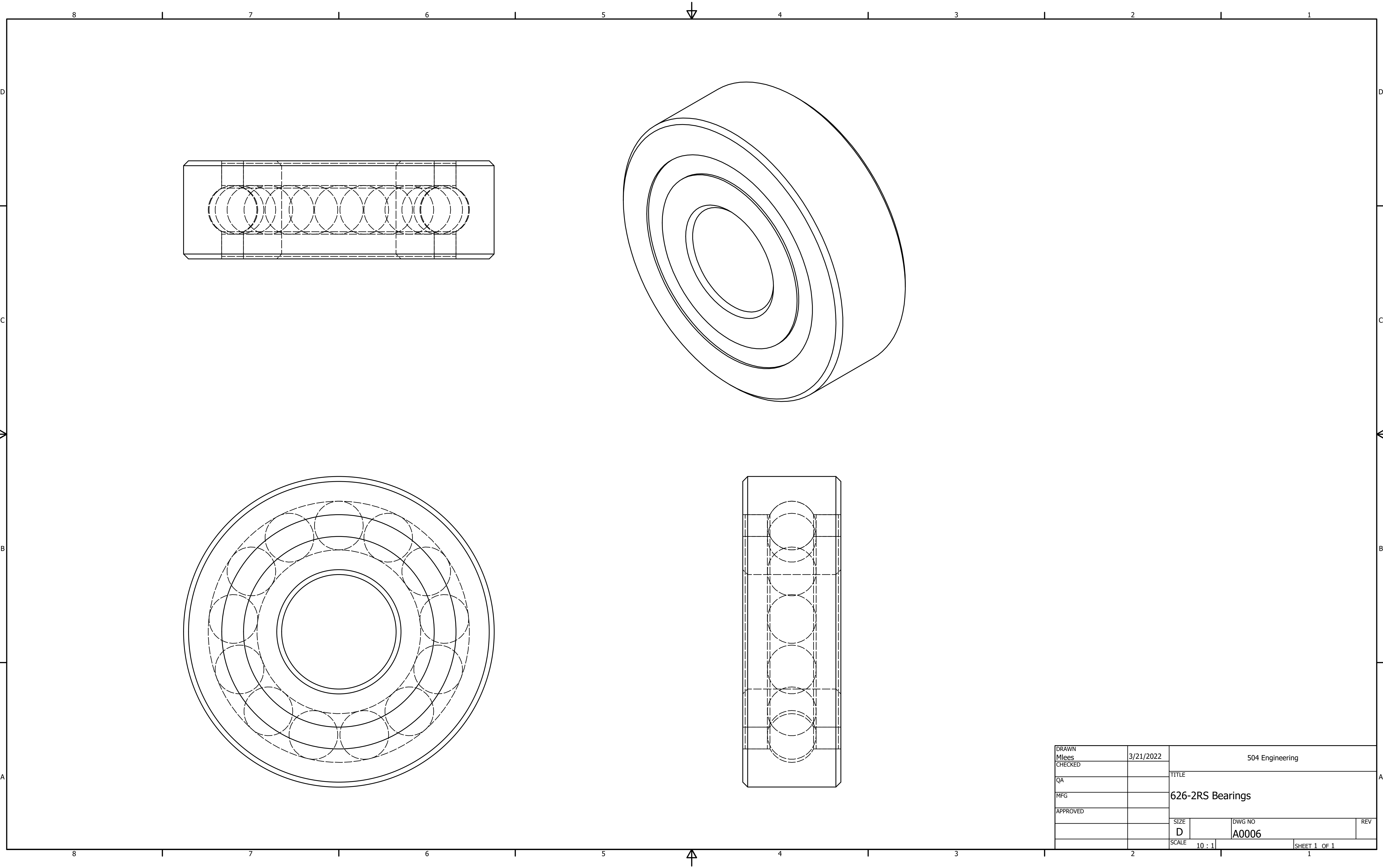
DRAWN Mlees	3/16/2022	504 Engineering		
CHECKED		TITLE		
QA		Gear Cover		
MFG				
APPROVED				
		SIZE D	DWG NO 0011	REV
		SCALE 3 : 1	SHEET 1 OF 1	



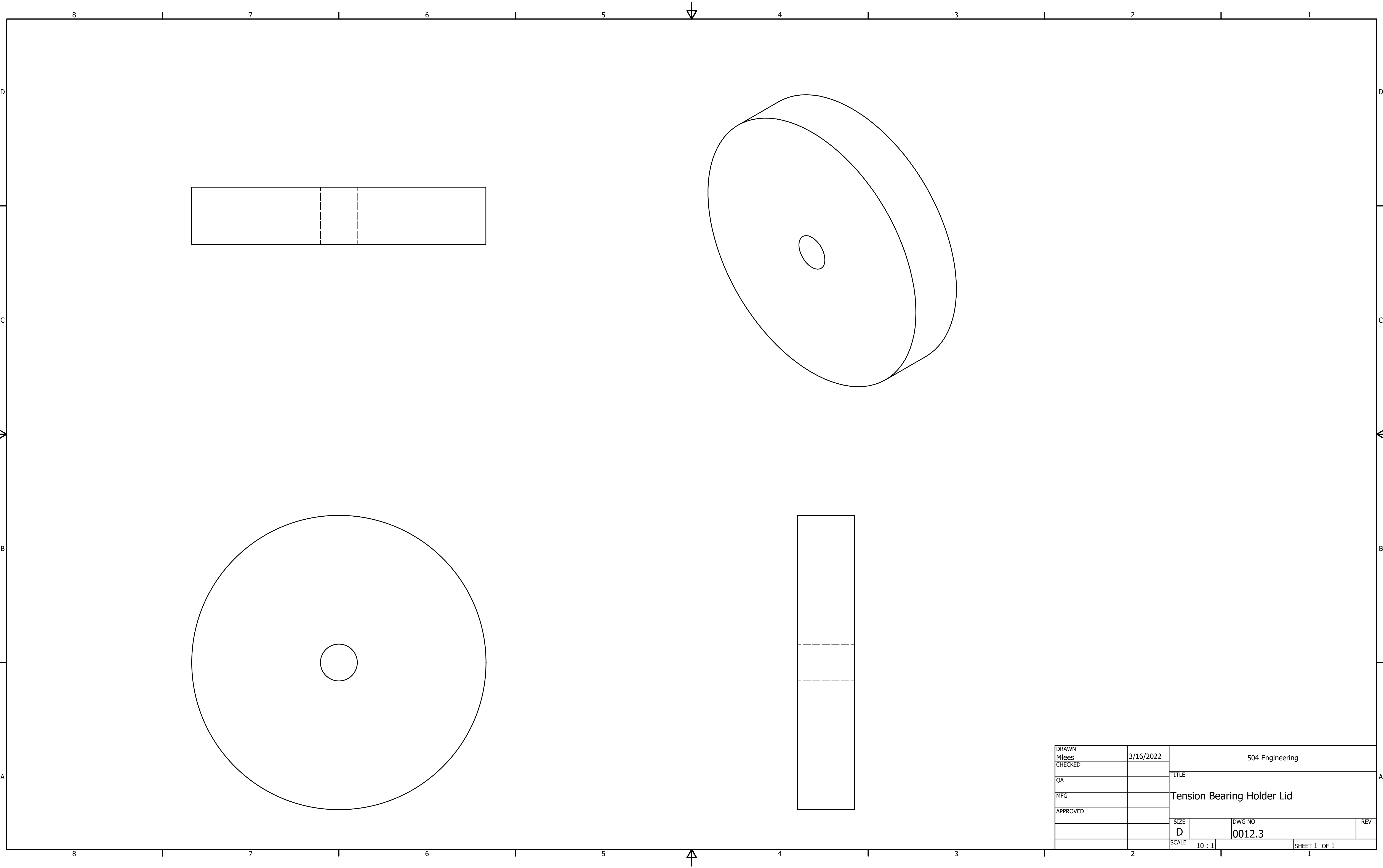
DRAWN	Mlees	3/16/2022	504 Engineering		
CHECKED			TITLE		
QA			Tension Bearing Assembly		
MFG					
APPROVED					
			SIZE	DWG NO	REV
			D	0012	
			SCALE	10 : 1	SHEET 1 OF 1



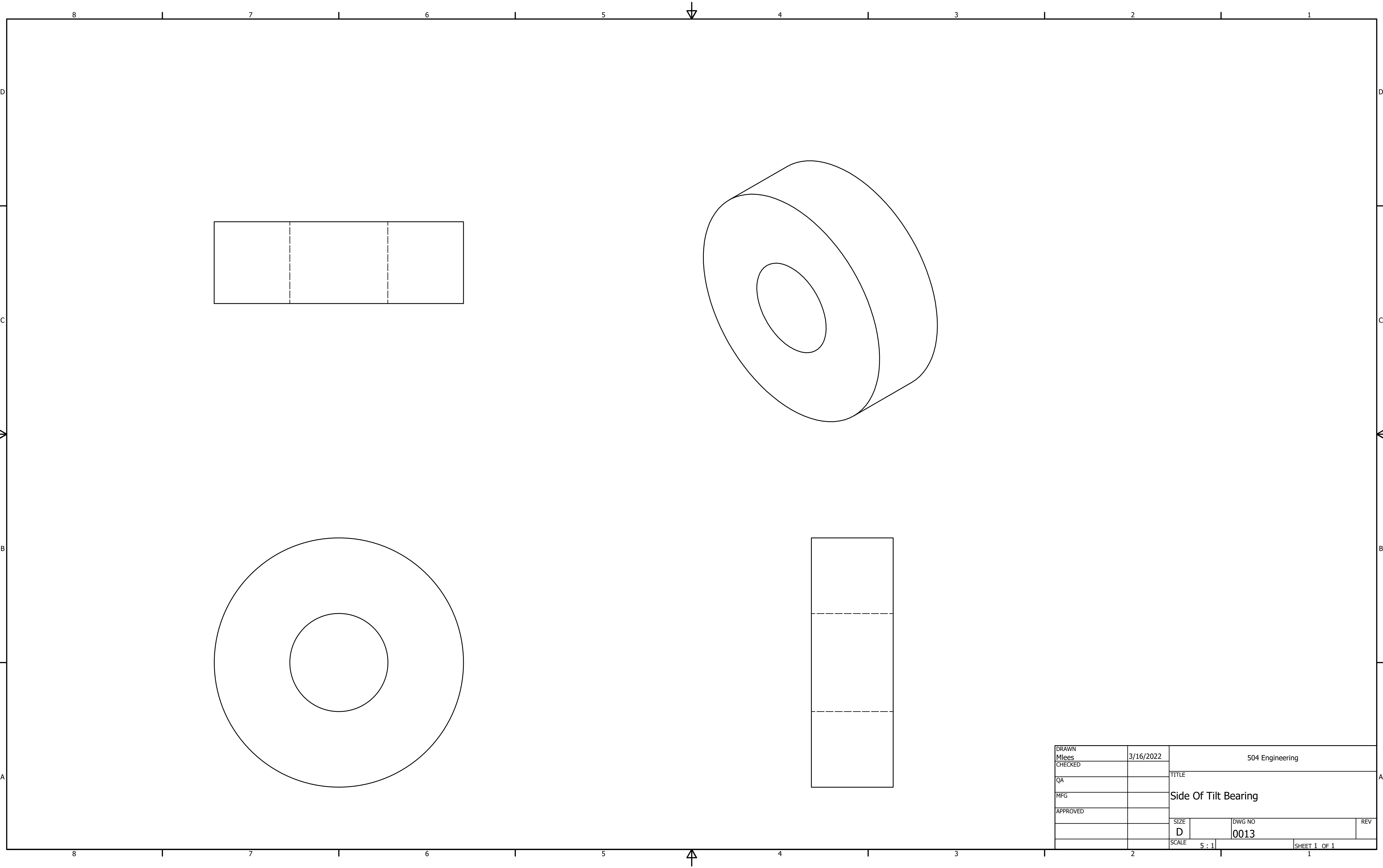


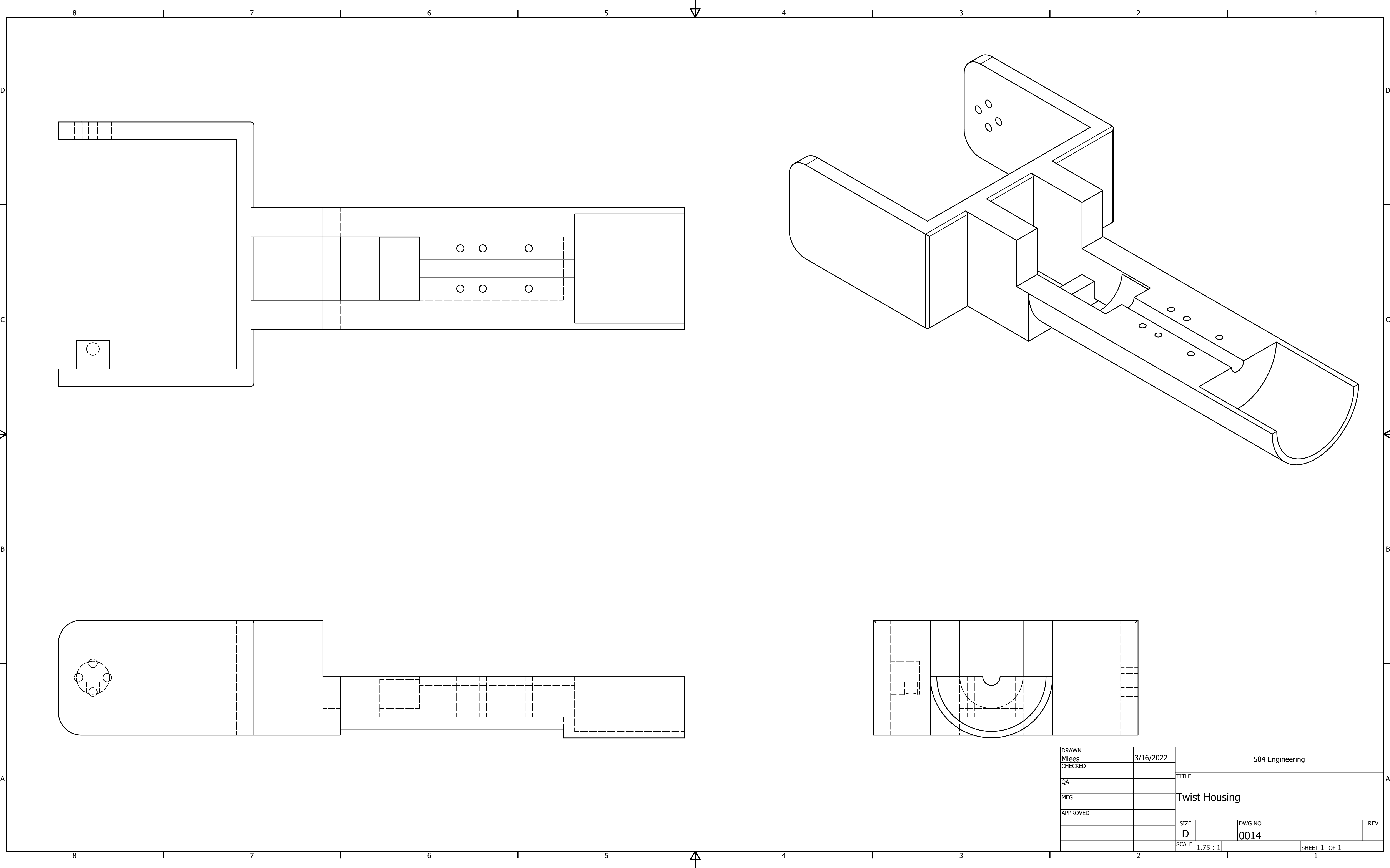


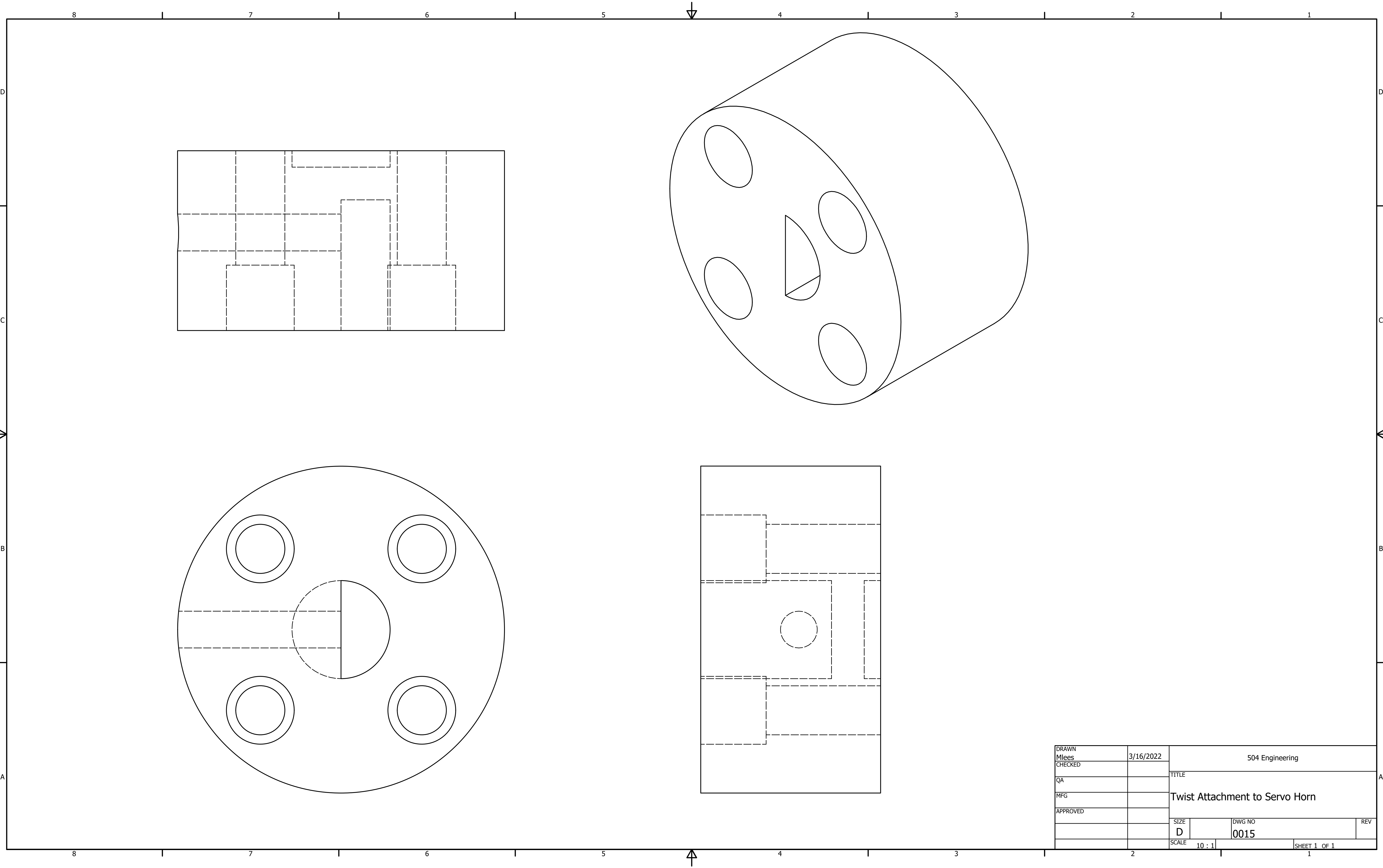
DRAWN	Mlees	3/21/2022	504 Engineering		
CHECKED			TITLE		
QA			626-2RS Bearings		
MFG					
APPROVED					
			SIZE	DWG NO	REV
			D	A0006	
			SCALE	10 : 1	SHEET 1 OF 1



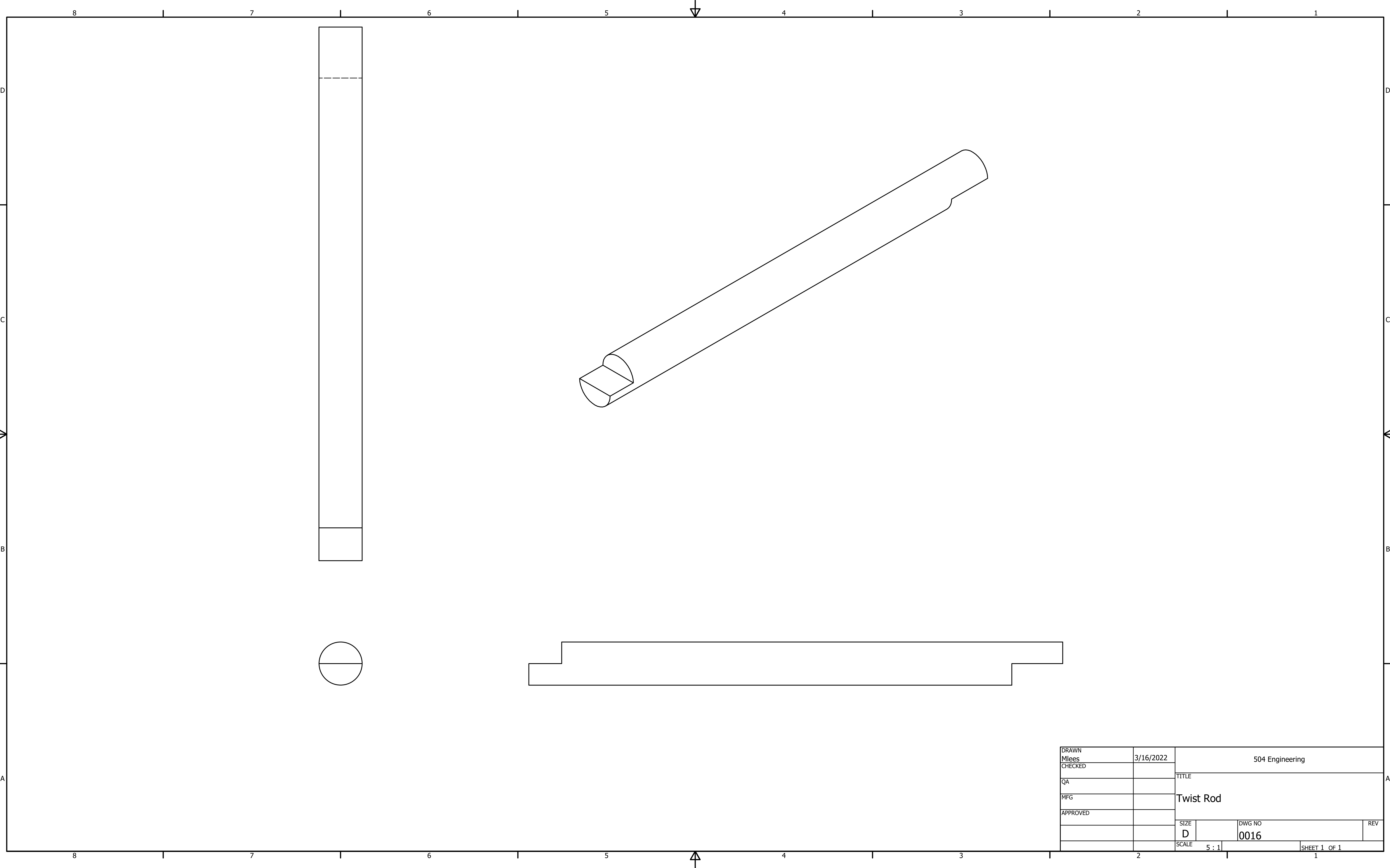
DRAWN	Mlees	3/16/2022	504 Engineering		
CHECKED			TITLE		
QA			Tension Bearing Holder Lid		
MFG					
APPROVED					
			SIZE	DWG NO	REV
			D	0012.3	
			SCALE	10 : 1	SHEET 1 OF 1

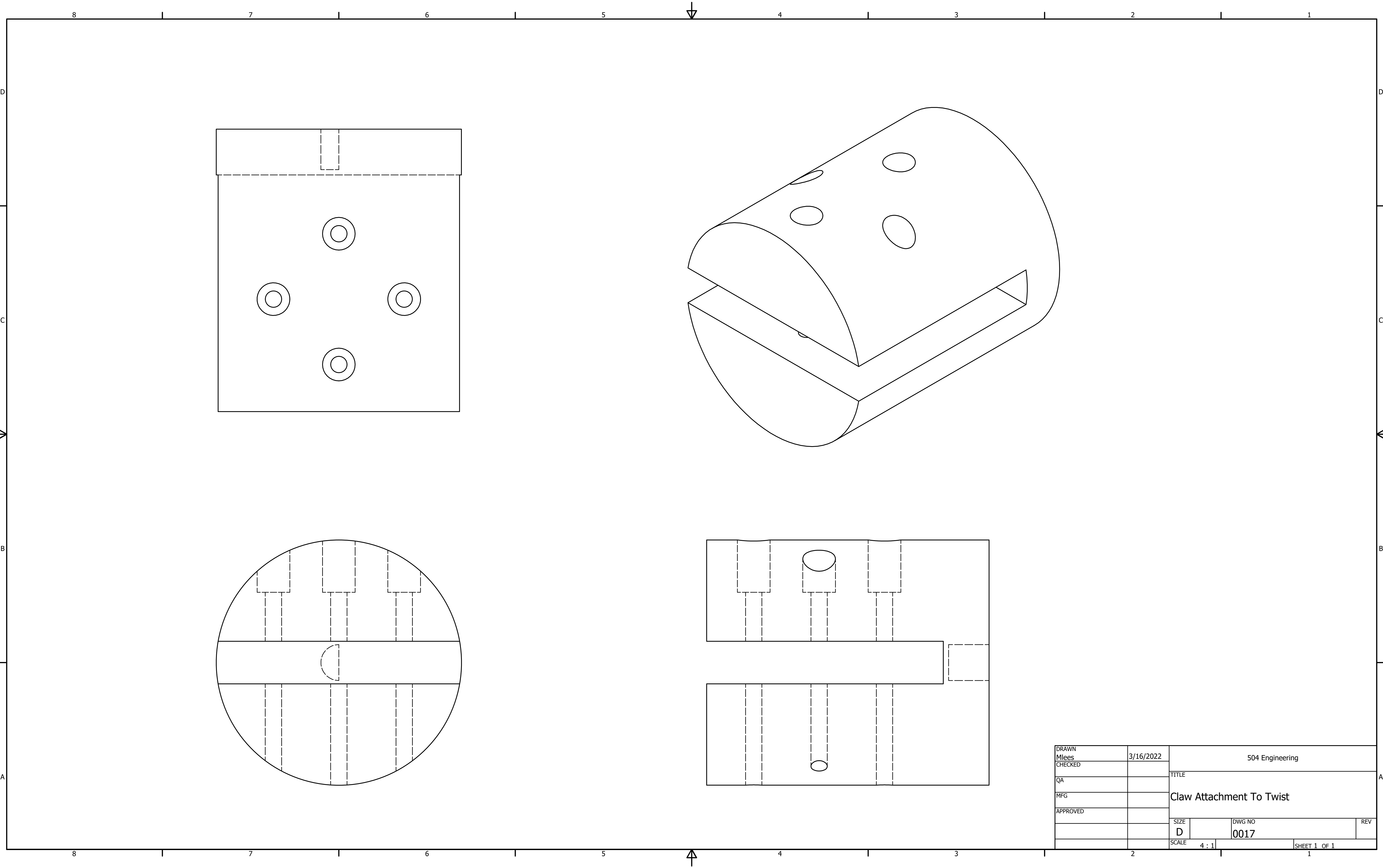






DRAWN	Mlees	3/16/2022	504 Engineering		
CHECKED			TITLE		
QA			Twist Attachment to Servo Horn		
MFG					
APPROVED					
			SIZE	DWG NO	REV
			D	0015	
			SCALE	10 : 1	SHEET 1 OF 1





DRAWN	Mlees	3/16/2022	504 Engineering		
CHECKED			TITLE		
QA			Claw Attachment To Twist		
MFG					
APPROVED					
			SIZE	DWG NO	REV
			D	0017	
			SCALE	4 : 1	SHEET 1 OF 1

