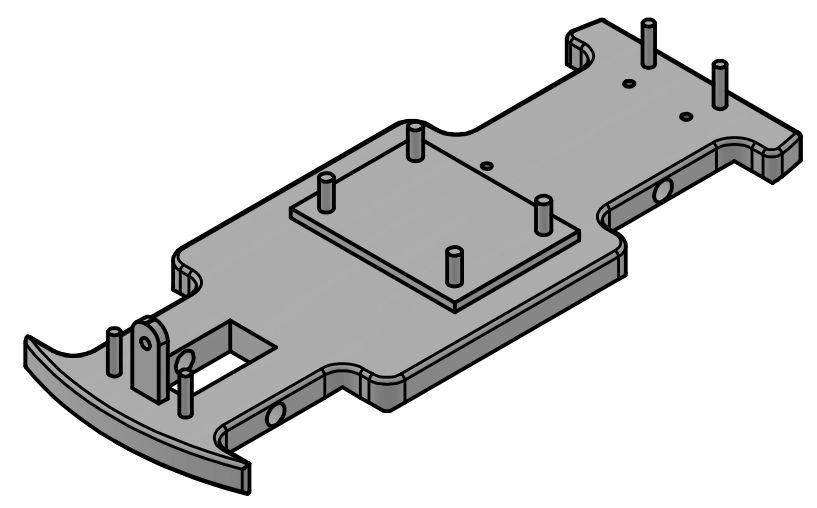
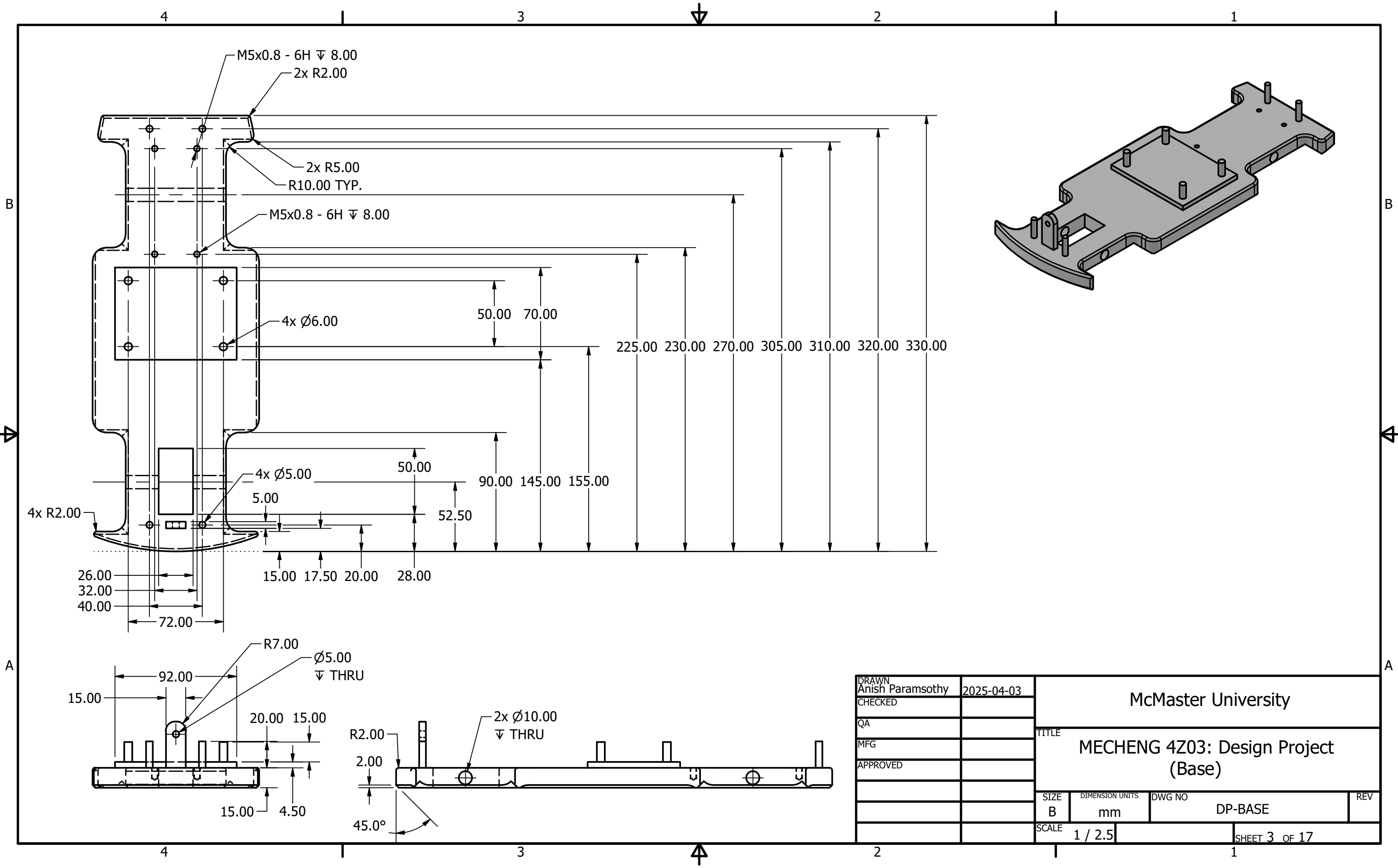


PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	DP-SHELL	
2	1	DP-DRIVESHAFT	
3	1	ANSI B18.6.7M - M2x0.4 x 5, SPHMSM	Slotted Pan Head Machine Screw (Regular Thread - Metric)
4	1	Worm	
5	6	ANSI B18.6.7M - M3x0.5 x 13, SPHMSM	Slotted Pan Head Machine Screw (Regular Thread - Metric)
6	1	DP-BASE	
7	1	Worm Gear	
8	1	DP-AXLE_F	
9	4	DP-WHEEL	
10	1	DP-AXLE_B	
11	1	rc_motor	STEP AP214
12	4	ANSI B18.6.7M - M6x1 x 10, SPHMSM	Slotted Pan Head Machine Screw (Regular Thread - Metric)
13	1	rc_battery	STEP AP214
14	1	DP-BATTERY_MOUNT	
15	4	ANSI B18.6.7M - M4x0.7 x 13, SPHMSM	Slotted Pan Head Machine Screw (Regular Thread - Metric)
16	1	DP-MOTORCOVER	

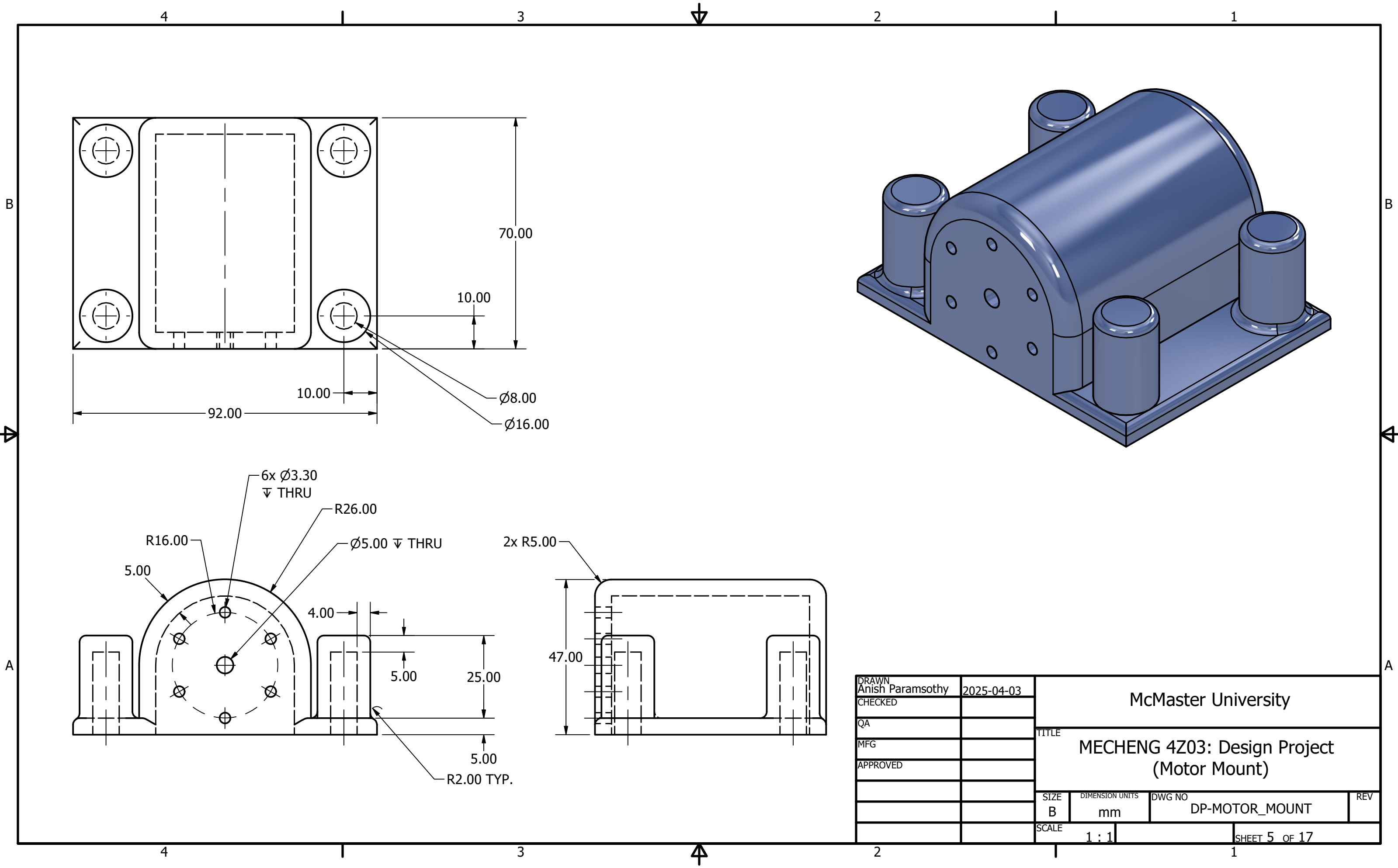
DRAWN Anish Paramsothy	2025-04-03	McMaster University		
CHECKED		TITLE MECHENG 4Z03: Design Project (Assembly)		
QA				
MFG				
APPROVED				
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		SCALE 1 / 3	SHEET 1 OF 17	



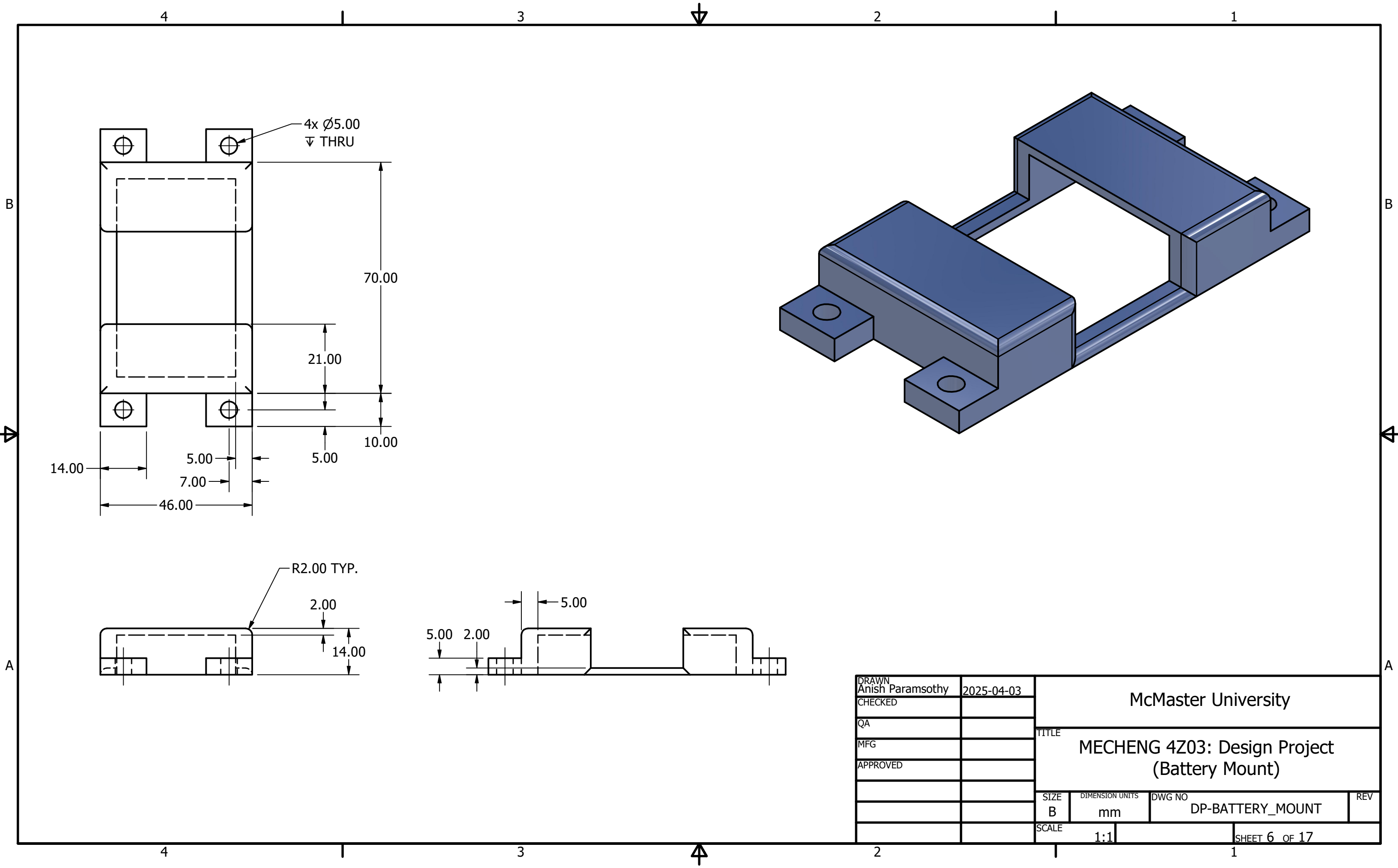


DRAWN Anish Paramsothy		2025-04-03		McMaster University			
CHECKED				TITLE			
QA				MECHENG 4Z03: Design Project (Base)			
MFG							
APPROVED							
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				B	mm	DP-BASE	
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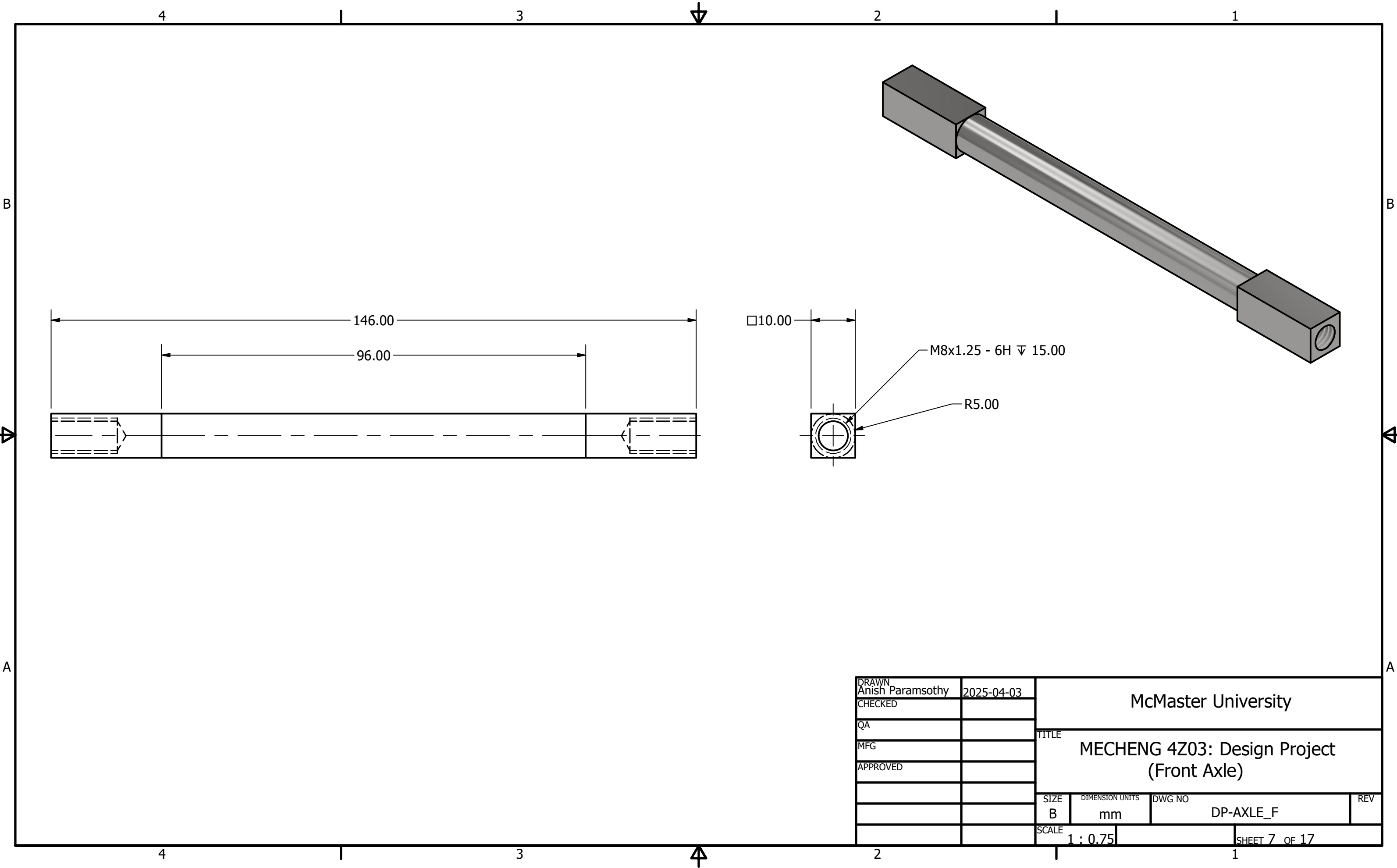


DRAWN Anish Paramsothy		2025-04-03		McMaster University		
CHECKED				TITLE		
QA				MECHENG 4Z03: Design Project (Motor Mount)		
MFG						
APPROVED						
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				SCALE	1 : 1	SHEET 5 OF 17

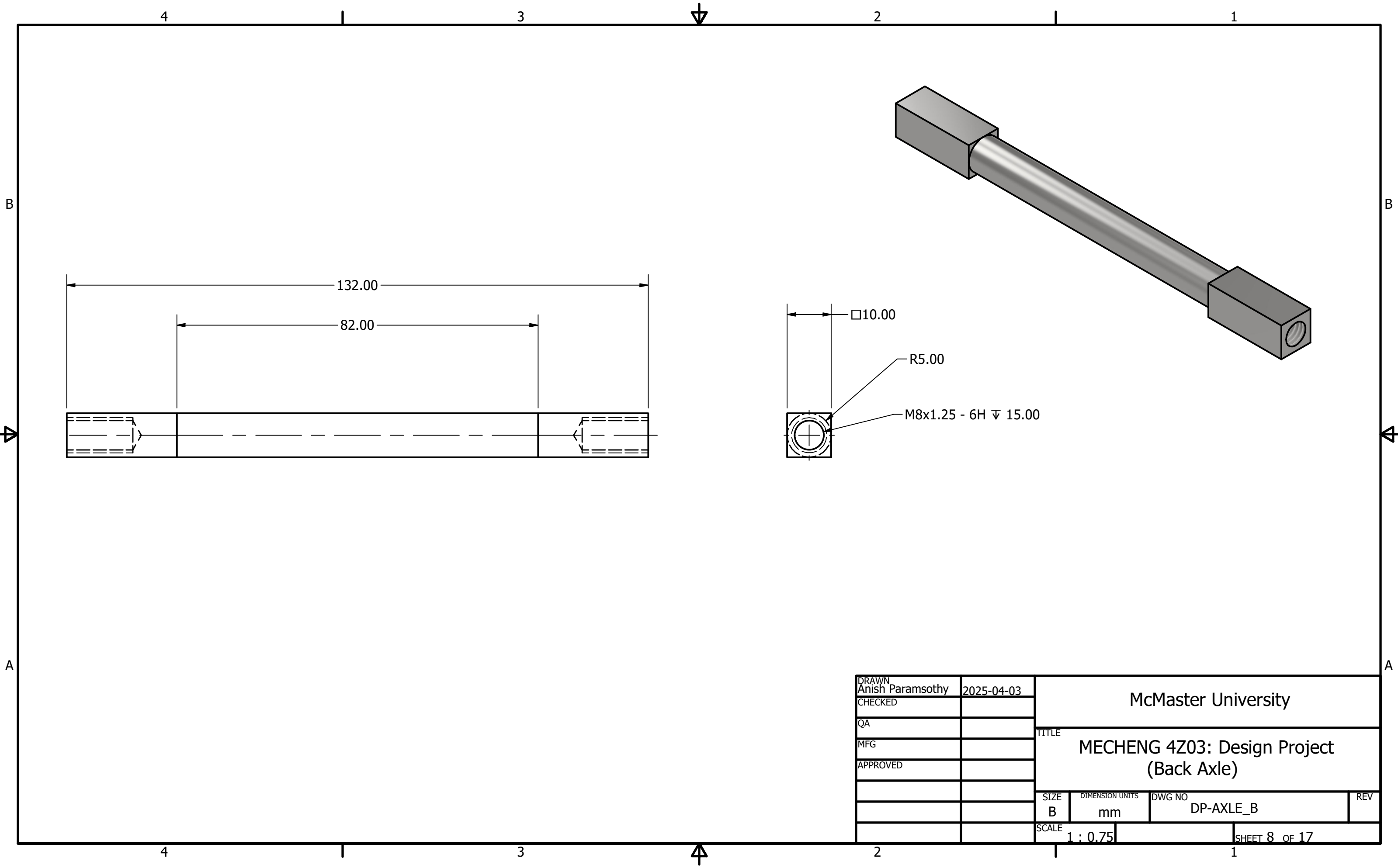


DRAWN Anish Paramsothy	2025-04-03	McMaster University		
CHECKED		TITLE MECHENG 4Z03: Design Project (Battery Mount)		
QA				
MFG				
APPROVED				
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		SCALE 1:1	SHEET 6 OF 17	
				REV



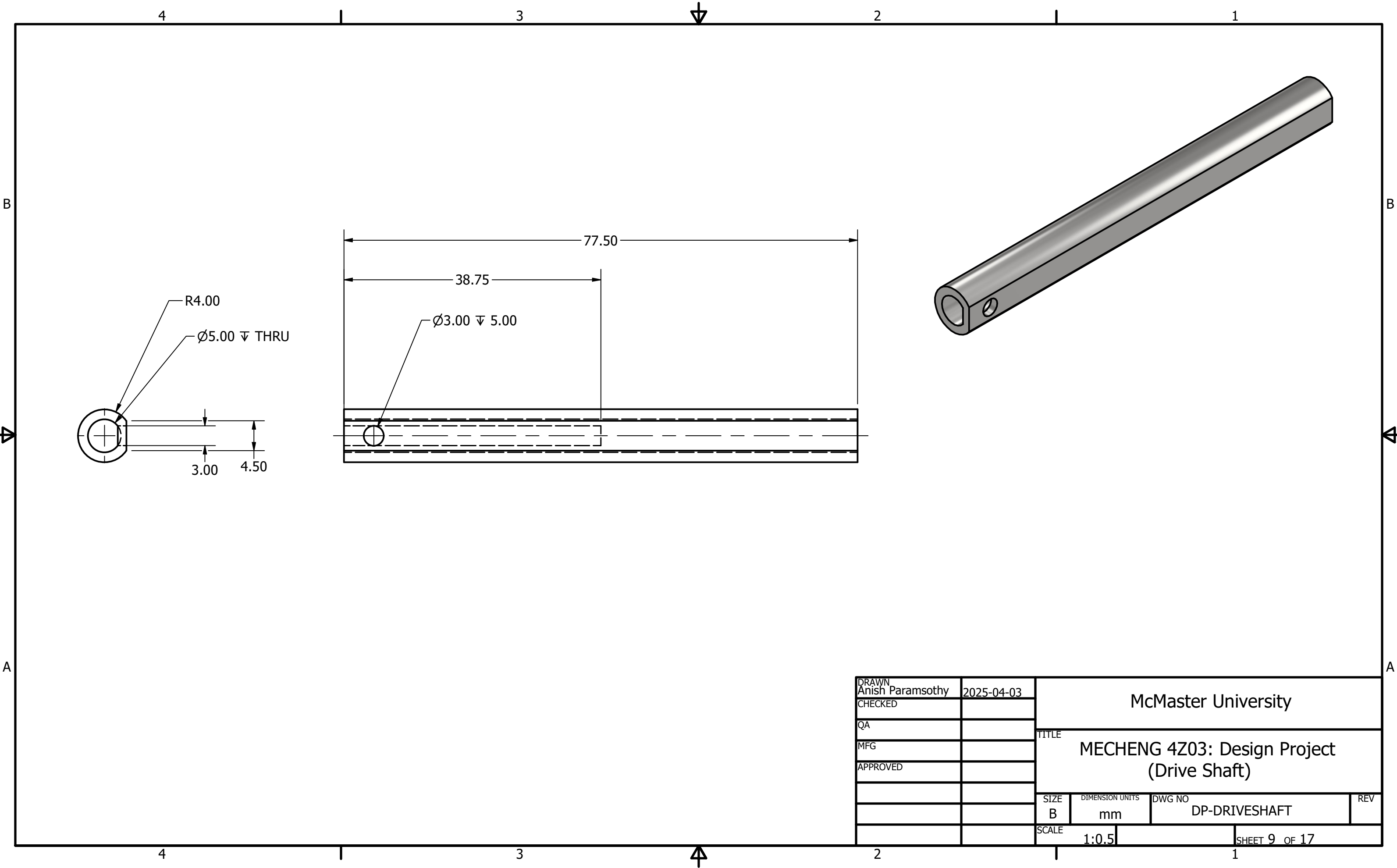


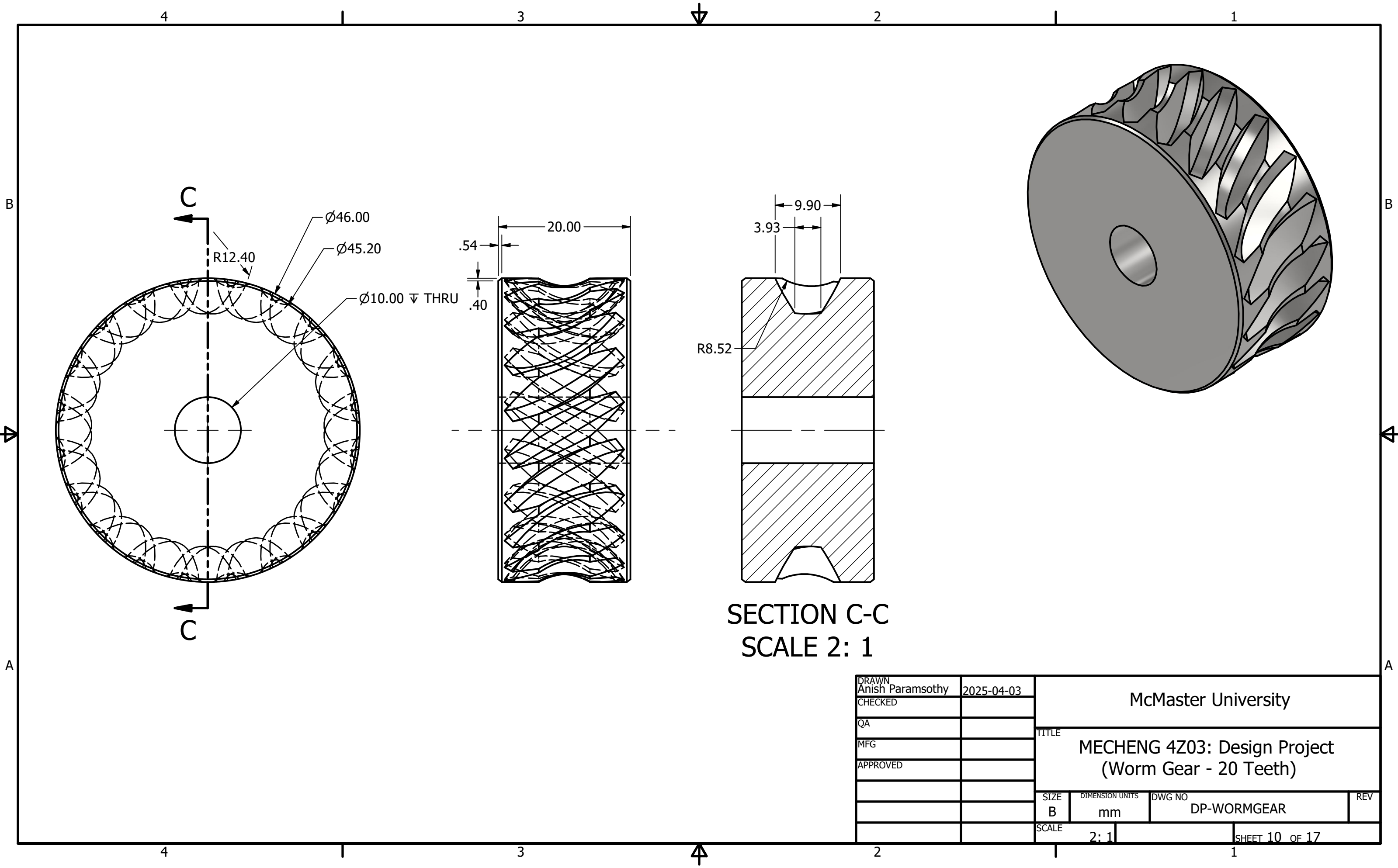
DRAWN Anish Paramsothy CHECKED QA MFG APPROVED	2025-04-03		McMaster University		
			TITLE MECHENG 4Z03: Design Project (Front Axle)		
	SIZE B	DIMENSION UNITS mm	DWG NO DP-AXLE_F	REV	
	SCALE 1 : 0.75			SHEET 7 OF 17	



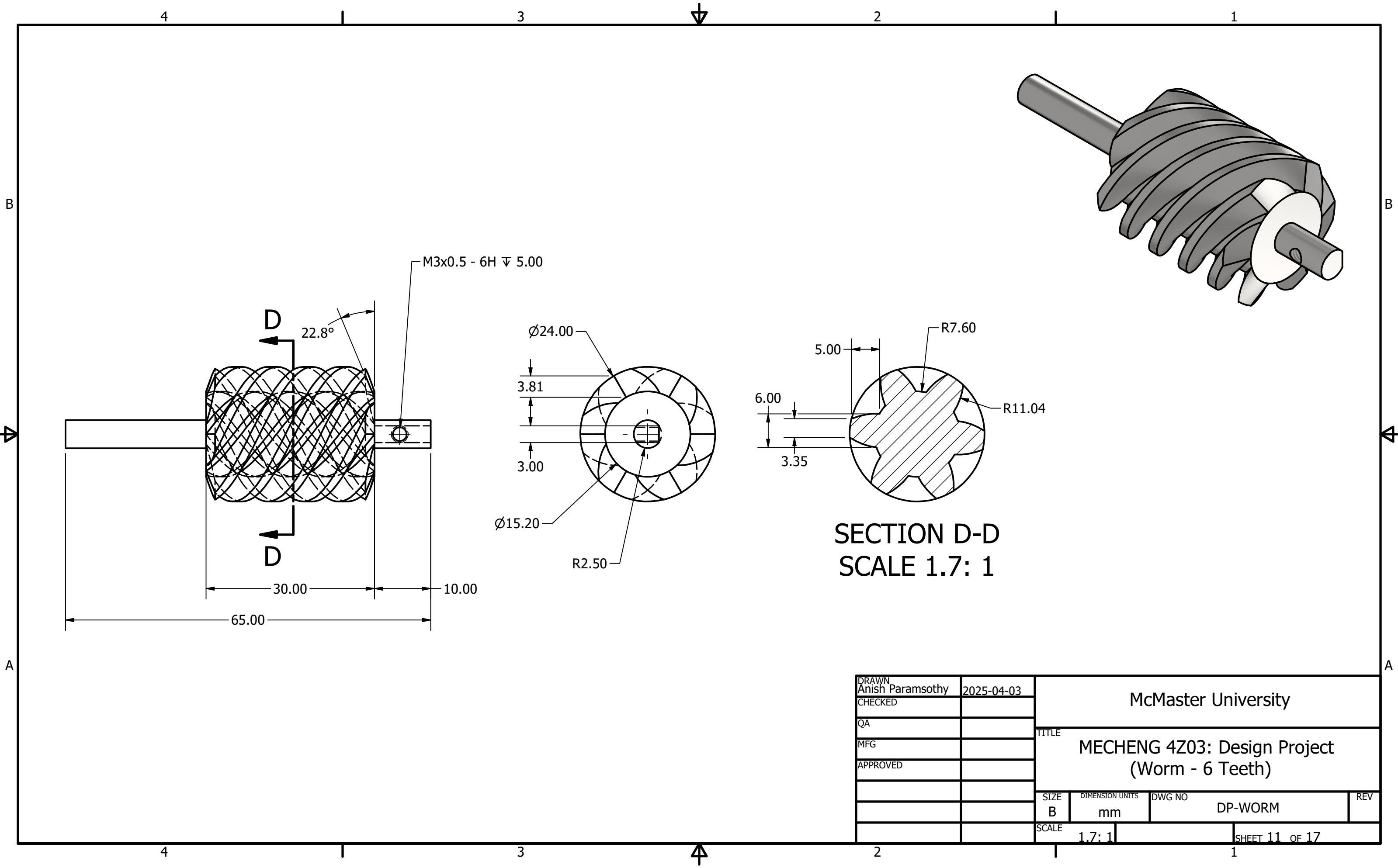
DRAWN Anish Paramsothy	2025-04-03	McMaster University			
CHECKED					
QA		TITLE MECHENG 4Z03: Design Project (Back Axle)			
MFG					
APPROVED					
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		SCALE 1 : 0.75			SHEET 8 OF 17



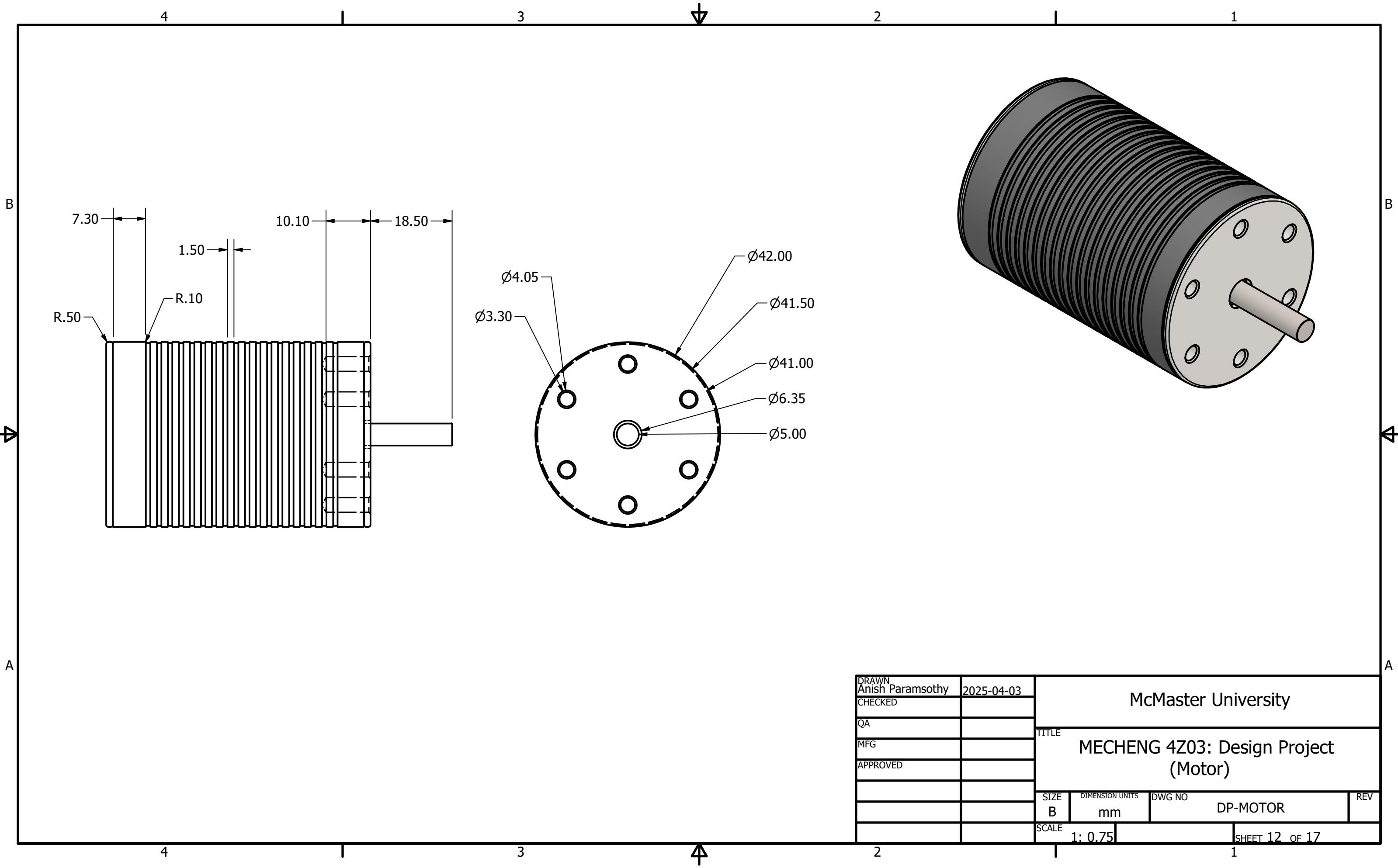




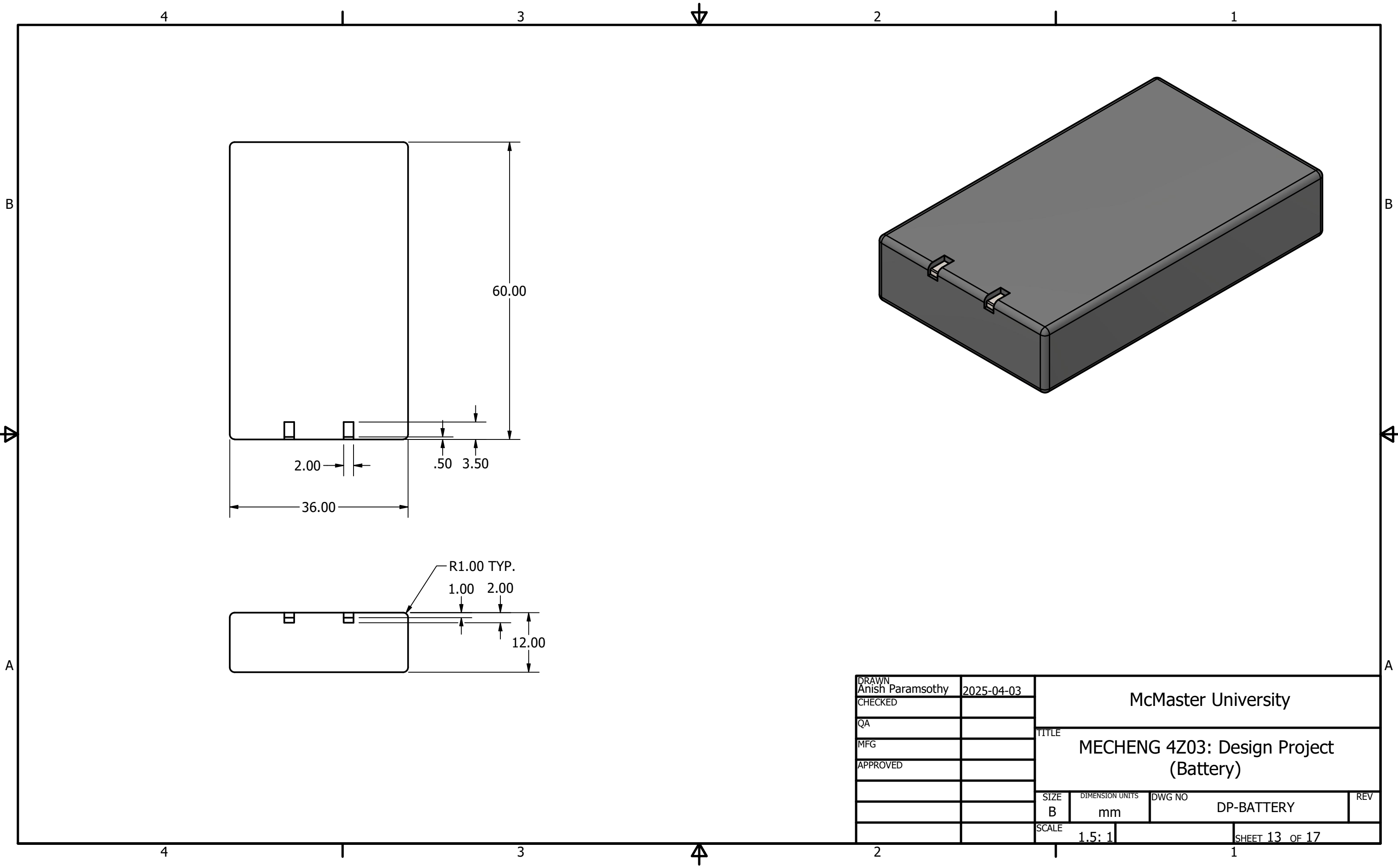
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APPROVED				
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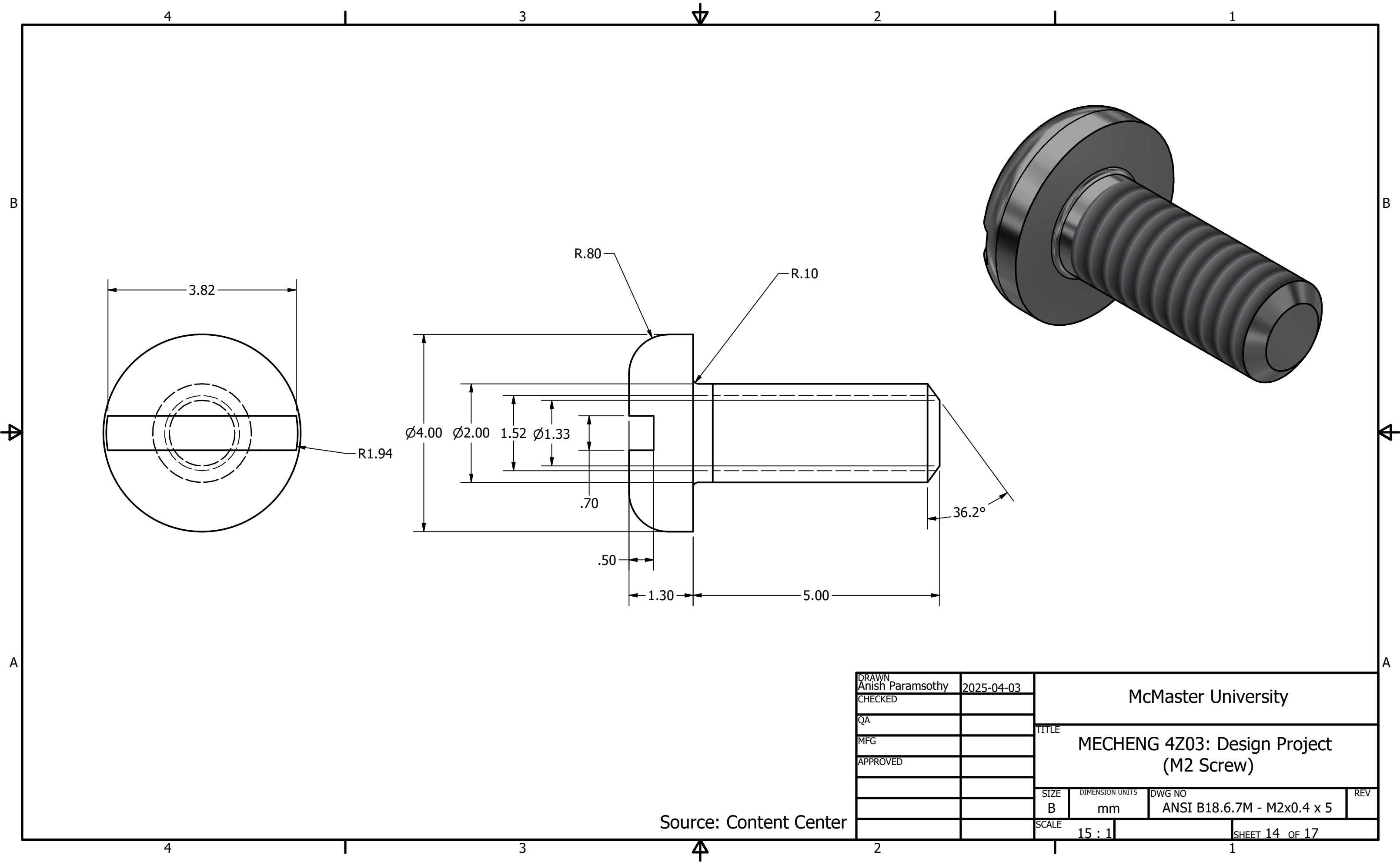
DRAWN Anish Paramsothy	2025-04-03	McMaster University			
CHECKED		TITLE MECHENG 4Z03: Design Project (Worm - 6 Teeth)			
QA					
MFG					
APPROVED					
		SIZE B	DIMENSION UNITS mm	DWG NO DP-WORM	REV
		SCALE 1.7: 1		SHEET 11 OF 17	



DRAWN Anish Paramsothy	2025-04-03	McMaster University			
CHECKED		TITLE MECHENG 4Z03: Design Project (Motor)			
QA					
MFG					
APPROVED					
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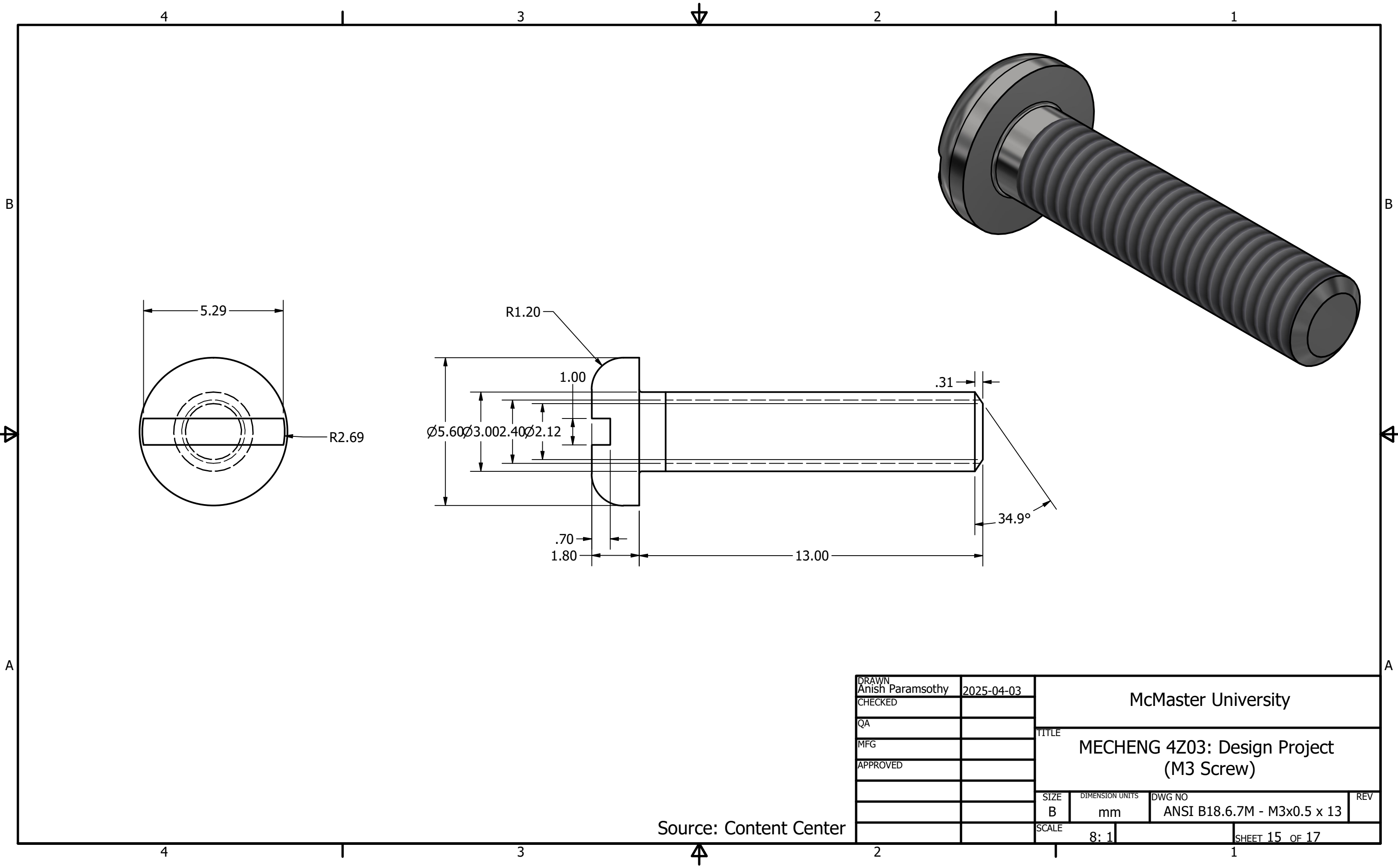


DRAWN Anish Paramsothy	2025-04-03	McMaster University			
CHECKED					
QA			TITLE  MECHENG 4Z03: Design Project (Battery)		
MFG					
APPROVED					
		SIZE B	DIMENSION UNITS mm	DWG NO DP-BATTERY	REV
		SCALE 1.5: 1			SHEET 13 OF 17



DRAWN Anish Paramsothy	2025-04-03	McMaster University			
CHECKED					
QA		TITLE MECHENG 4Z03: Design Project (M2 Screw)			
MFG					
APPROVED					
		SIZE B	DIMENSION UNITS mm	DWG NO ANSI B18.6.7M - M2x0.4 x 5	REV
		SCALE 15 : 1			SHEET 14 OF 17

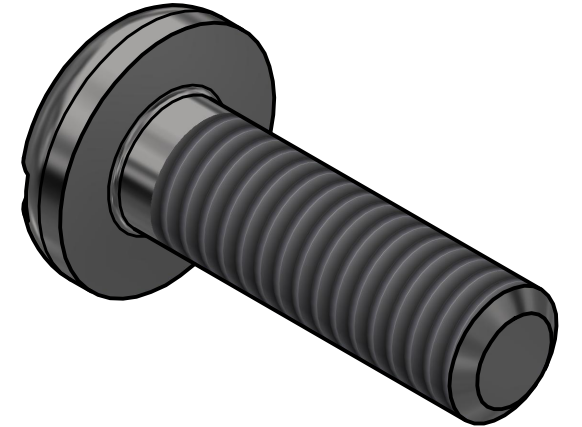
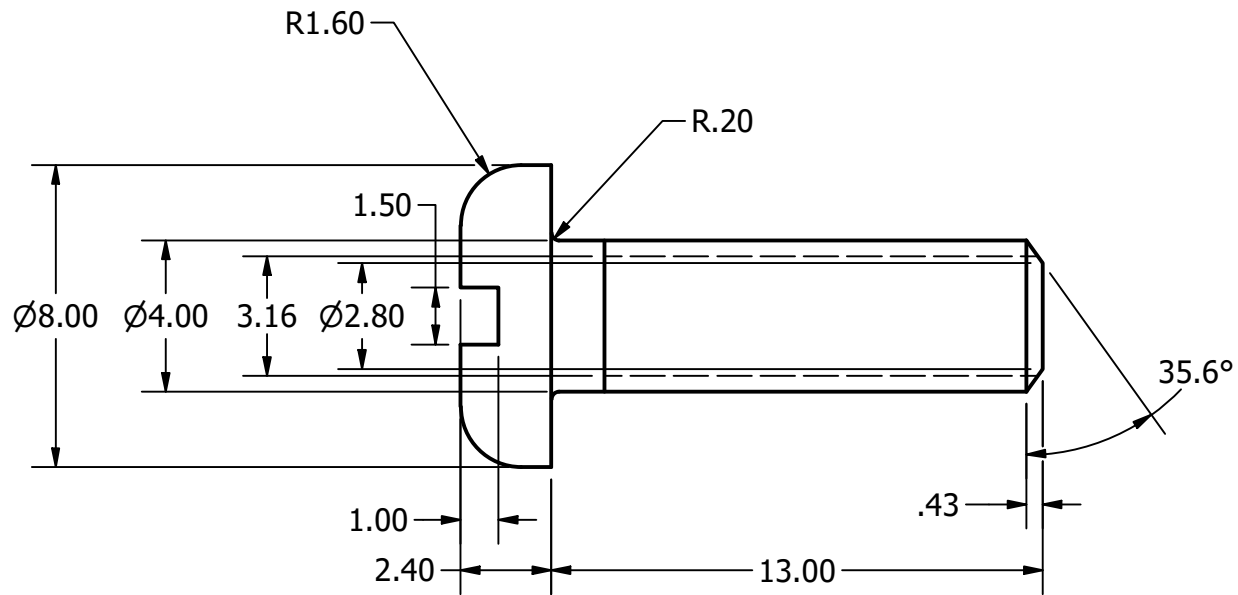
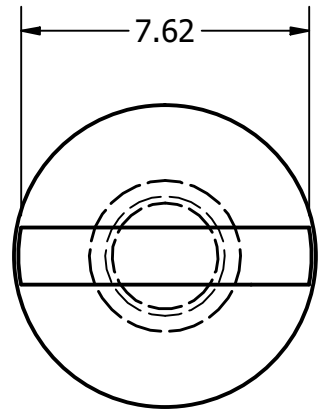
Source: Content Center



Source: Content Center

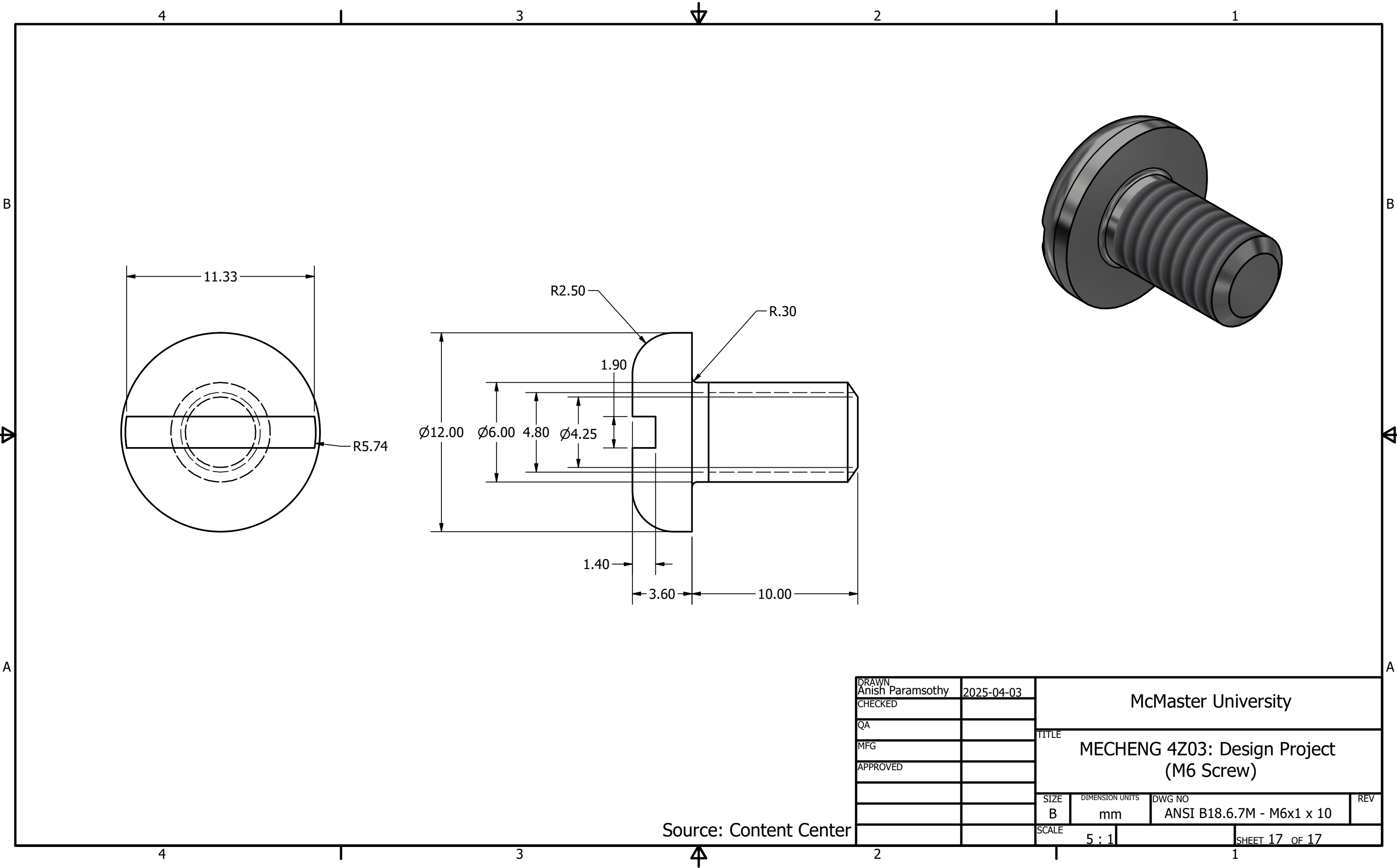
DRAWN Anish Paramsothy	2025-04-03	McMaster University			
CHECKED					
QA		TITLE MECHENG 4Z03: Design Project (M3 Screw)			
MFG					
APPROVED					
		SIZE B	DIMENSION UNITS mm	DWG NO ANSI B18.6.7M - M3x0.5 x 13	REV
		SCALE 8: 1		SHEET 15 OF 17	





DRAWN Anish Paramsothy	2025-04-03	McMaster University			
CHECKED					
QA		TITLE MECHENG 4Z03: Design Project (M4 Screw)			
MFG					
APPROVED					
		SIZE B	DIMENSION UNITS mm	DWG NO ANSI B18.6.7M - M4x0.7 x 13	REV
		SCALE 5 : 1		SHEET 16 OF 17	

Source: Content Center



DRAWN Anish Paramsothy	2025-04-03	McMaster University			
CHECKED					
QA		TITLE MECHENG 4Z03: Design Project (M6 Screw)			
MFG					
APPROVED					
		SIZE B	DIMENSION UNITS mm	DWG NO ANSI B18.6.7M - M6x1 x 10	REV
		SCALE 5 : 1			SHEET 17 OF 17

Source: Content Center