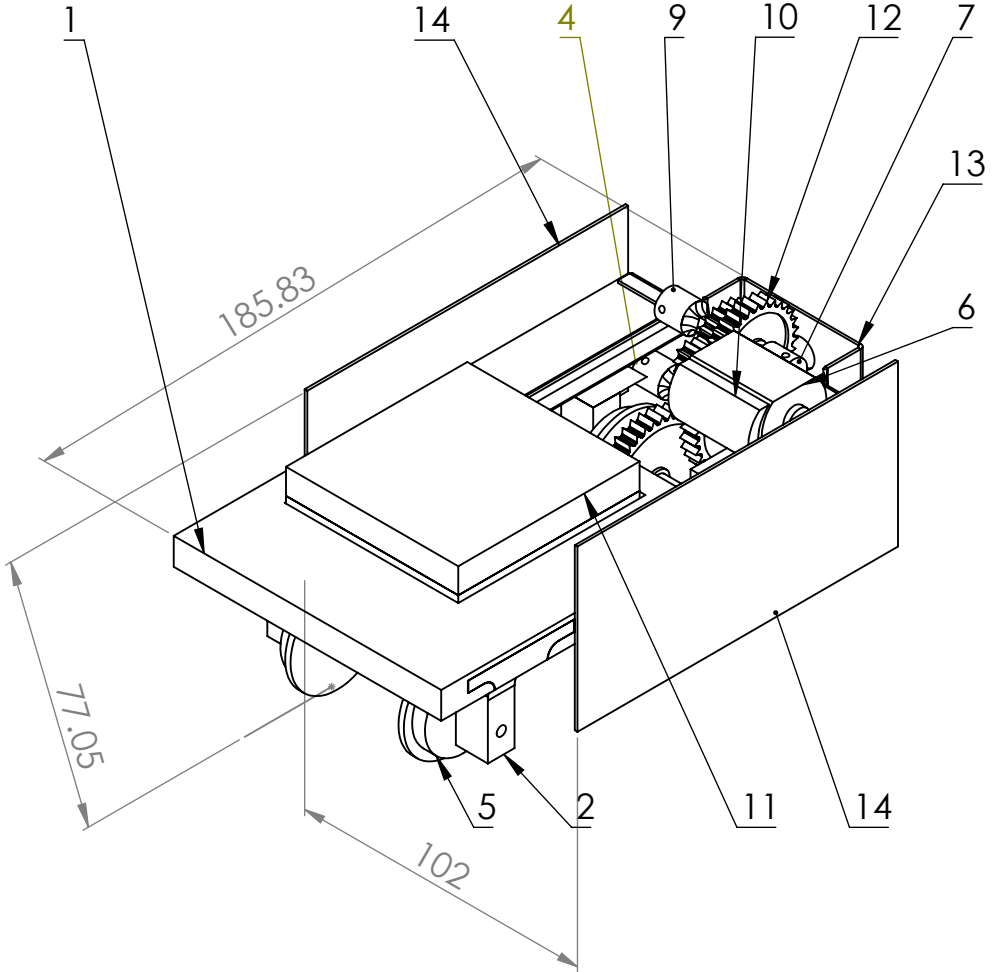


B

ITEM NO.	PART NUMBER	18:1/QTY.
1	Chassis	1
2	Wheel Leg (Front)	1
3	Wheel Leg (Back)	1
4	Wheel Pair and Shaft	2
6	Motor	1
7	Gear Shaft (Top)	1
8	Gear Shaft (Bottom)	1
9	Gear Shaft Cap	2
10	Motor Spacer	1
11	Battery Components	1
12	Gear Train	1
13	Cargo puller	1
14	Side plate	2



B

A

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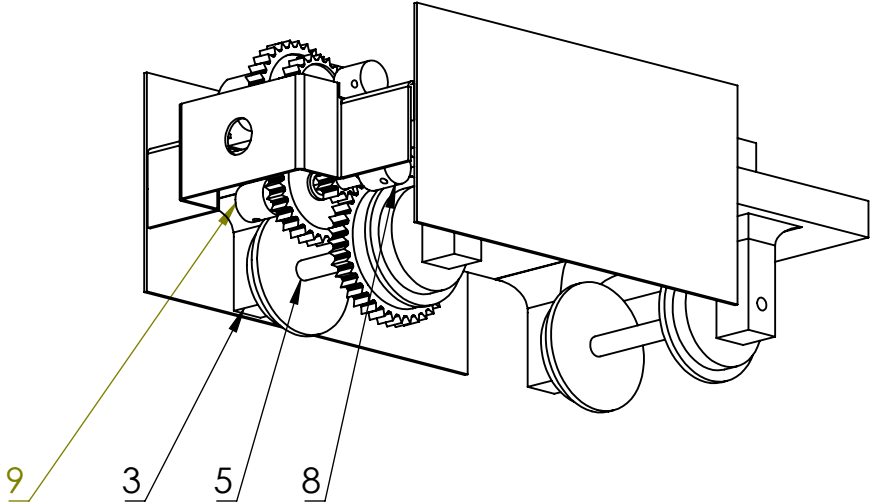
		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN MM Please refer to individual parts for tolerances.	DRAWN	RP	25/01/18
			CHECKED		
			ENG APPR.		
			MFG APPR.		
			Q.A.		
			COMMENTS:		
		MATERIAL PLA, ABS, Aluminum sheet, Steel	While there also are 64:1 and 48:1 gear ratio configuration, this drawing will only feature 18:1 configuration.		
		FINISH	The components hidden in this view will be shown in the following page.		
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

Isometric view		
TITLE: Whiteout		
SIZE <b>A</b>	DWG. NO. 1	REV 1
SCALE: 1:2	WEIGHT:	SHEET 1 OF 8

A

B

ITEM NO.	PART NUMBER	1:18/QTY.
1	Chassis	1
2	Wheel Leg (Front)	1
3	Wheel Leg (Back)	1
4	Wheel Pair and Shaft	2
6	Motor	1
7	Gear Shaft (Top)	1
8	Gear Shaft (Bottom)	1
9	Gear Shaft Cap	2
10	Motor Spacer	1
11	Battery Components	1
12	Gear Train	1
13	Cargo puller	1
14	Side plate	2



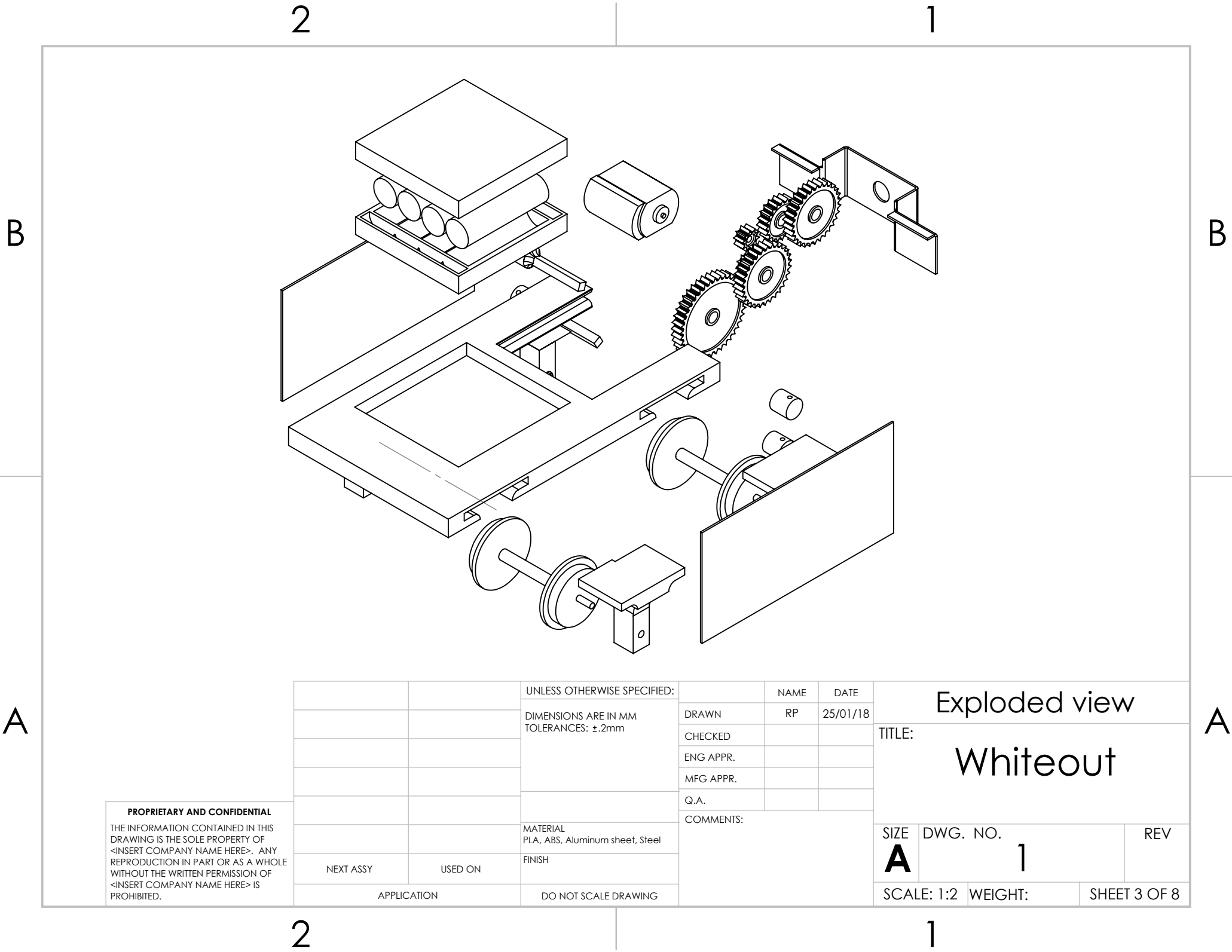
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		UNLESS OTHERWISE SPECIFIED:				Isometric view				
		DIMENSIONS ARE IN MM Please refer to individual parts for tolerances.	DRAWN	RP	25/01/18	TITLE:  Whiteout				
			CHECKED							
			ENG APPR.							
			MFG APPR.							
			Q.A.							
			COMMENTS:			SIZE <b>A</b>				
		MATERIAL PLA, ABS, Aluminum sheet, Steel	While there also are 64:1 and 48:1 gear ratio configuration, this drawing will only feature 18:1 configuration.						DWG. NO.  1	
		FINISH							REV  1	
NEXT ASSY	USED ON									
APPLICATION		DO NOT SCALE DRAWING	The components hidden in this view was shown in the previous page.						SCALE: 1:2	
						WEIGHT:				
						SHEET 2 OF 8				

B

A



A

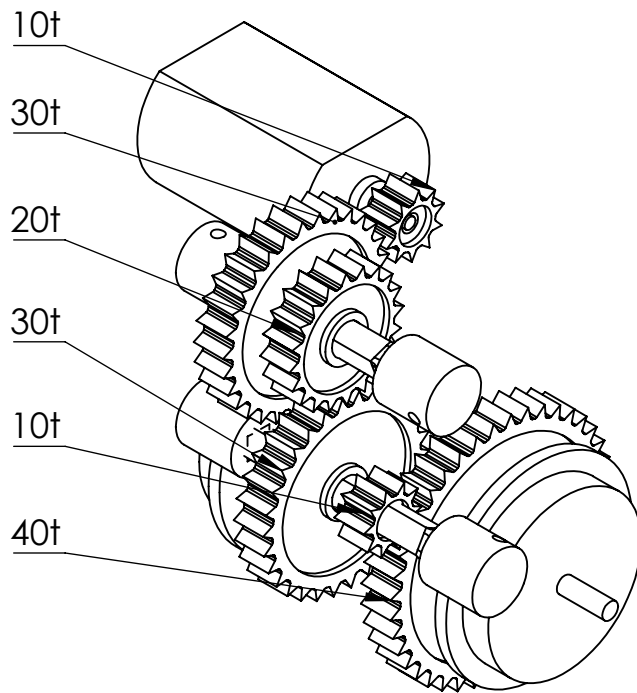
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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	Exploded view Whiteout		
		DIMENSIONS ARE IN MM TOLERANCES: $\pm .2\text{mm}$	DRAWN	RP	25/01/18			
			CHECKED					
			ENG APPR.					
			MFG APPR.					
			Q.A.			TITLE:		
			COMMENTS:					
		MATERIAL PLA, ABS, Aluminum sheet, Steel				SIZE	DWG. NO.	REV
		FINISH				<b>A</b>	1	
NEXT ASSY	USED ON					SCALE: 1:2	WEIGHT:	SHEET 3 OF 8
APPLICATION		DO NOT SCALE DRAWING						

2

1



The gear ratio is 18:1, consisting of:  
 10t (at motor) mesh with 30t;  
 30t compound with 20t;  
 20t mesh with 30t;  
 30t compound with 10t;  
 10t mesh with 40t (at wheel shaft)  
 (t stands for teeth; ie. 10t has 10 teeth).

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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	Gear train view TITLE: <h1>Whiteout</h1>			
		DIMENSIONS ARE IN MM TOLERANCES: $\pm .2\text{MM}$		DRAWN	RP			25/01/18	
				CHECKED					
				ENG APPR.					
				MFG APPR.					
				Q.A.			SIZE <b>A</b>	DWG. NO. 1	REV
				COMMENTS:					
NEXT ASSY	USED ON	FINISH							
APPLICATION		DO NOT SCALE DRAWING					SCALE: 1:1	WEIGHT:	SHEET 4 OF 8

1

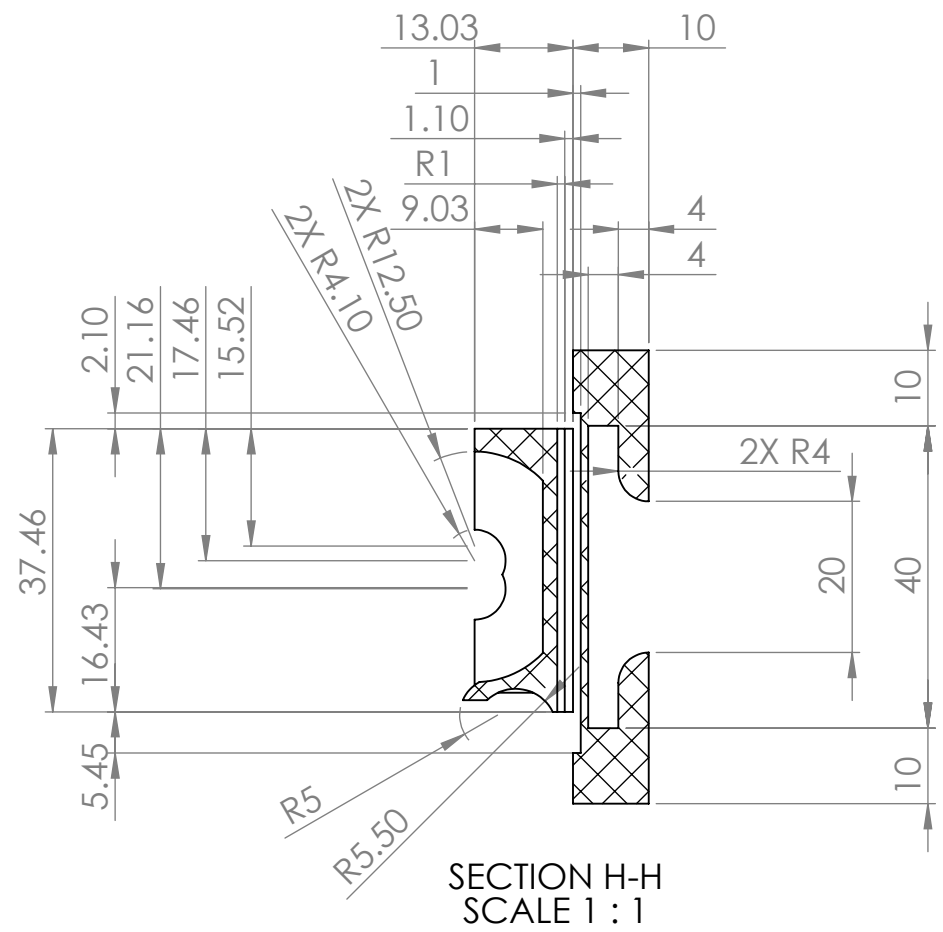
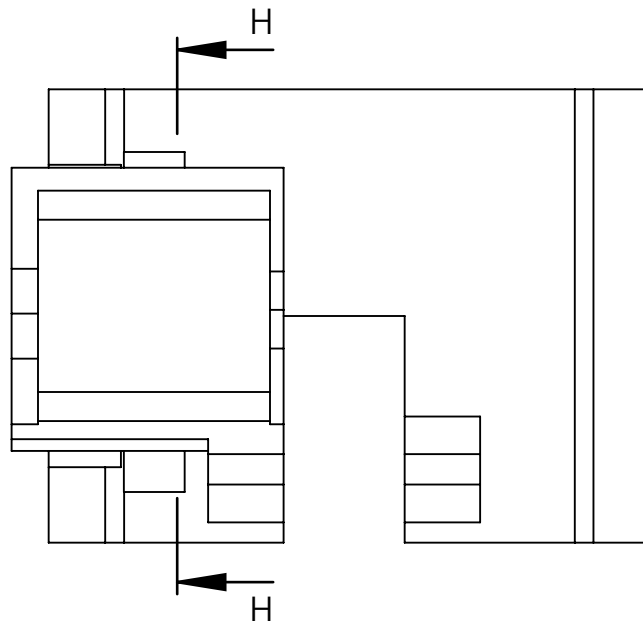


A

SIZE <b>A</b>	DWG. NO. <b>1</b>	REV
SCALE: 1:2	WEIGHT:	SHEET 5 OF 8

1

B

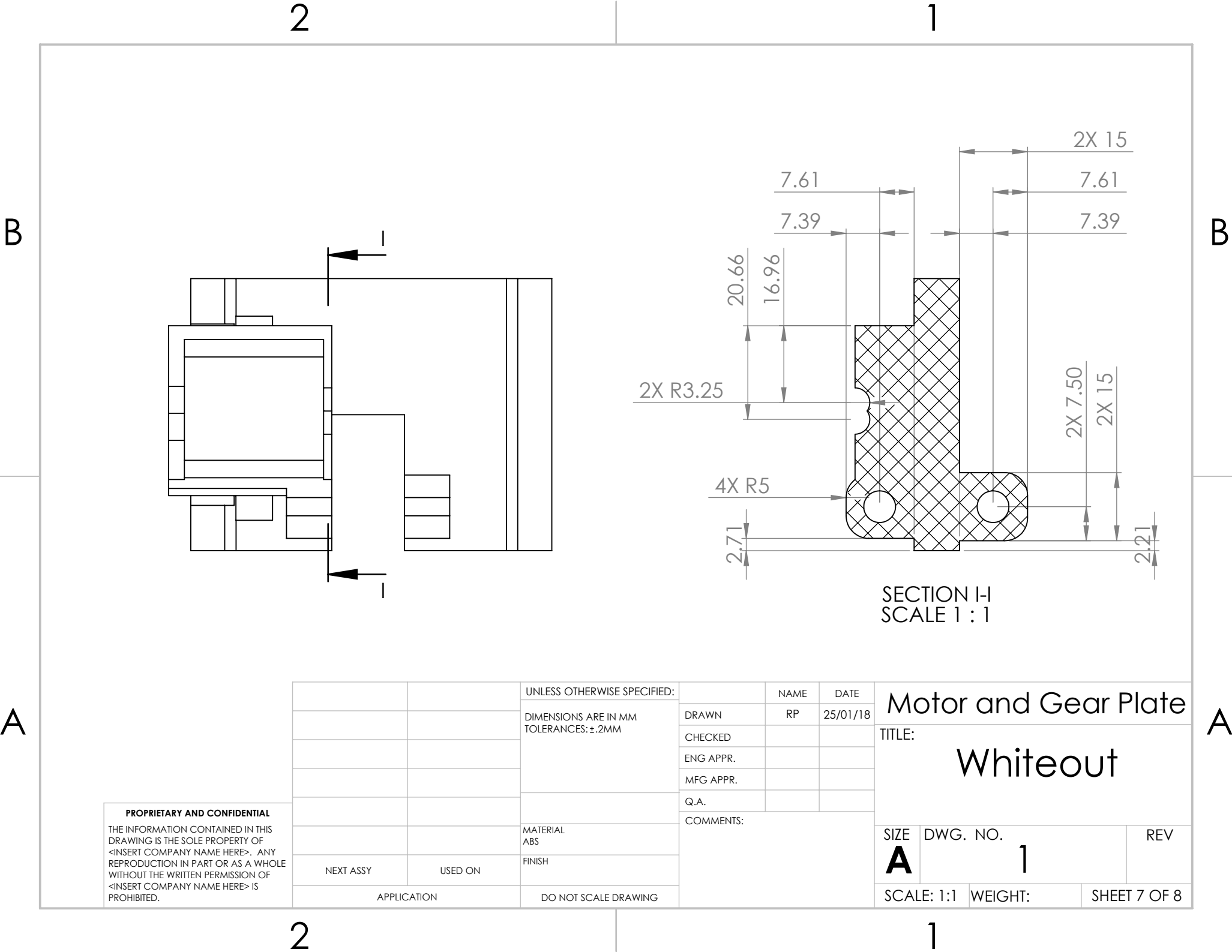


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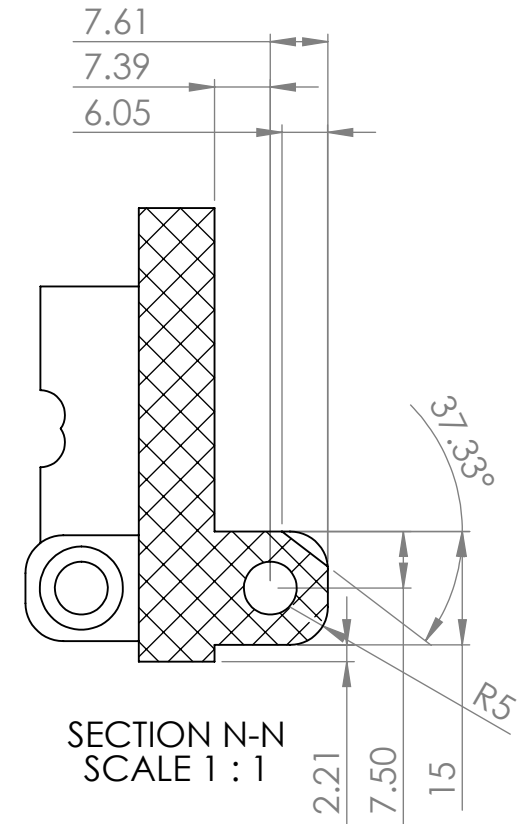
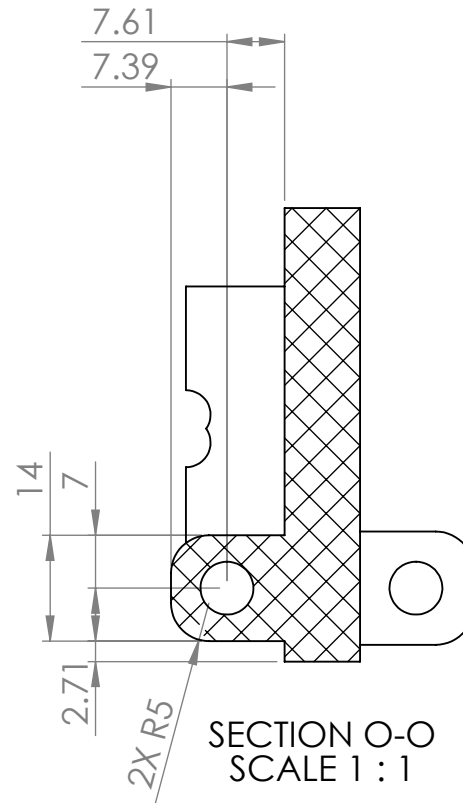
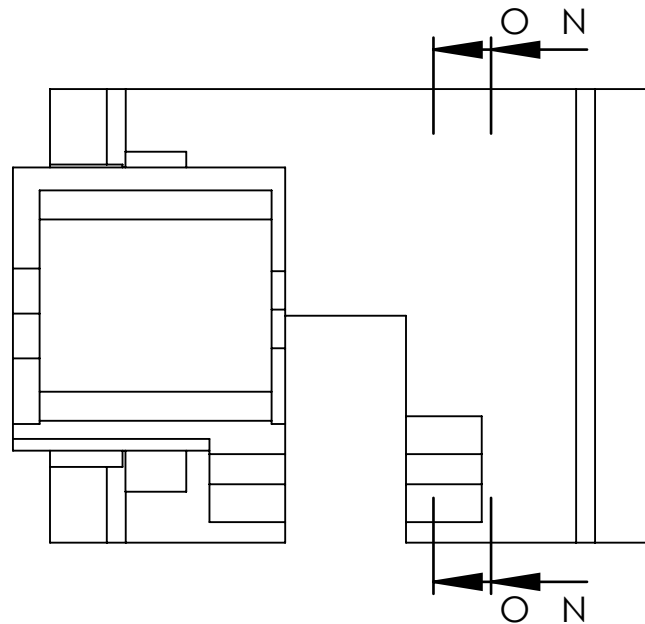
		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	Motor and Gear Plate  TITLE:  Whiteout					
		DIMENSIONS ARE IN MM TOLERANCES: ± .2MM	DRAWN	RP	25/01/18						
			CHECKED								
			ENG APPR.								
			MFG APPR.								
			Q.A.			SIZE   DWG. NO.   REV  A                      1					
		MATERIAL ABS	COMMENTS:								
		FINISH									
NEXT ASSY	USED ON										
APPLICATION		DO NOT SCALE DRAWING				SCALE: 1:1   WEIGHT:   SHEET 6 OF 8					

1



B

B



A

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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	Motor and Gear Plate TITLE: Whiteout		
		DIMENSIONS ARE IN MM TOLERANCES: ± .2MM	DRAWN	RP	25/01/18			
			CHECKED					
			ENG APPR.					
			MFG APPR.					
			Q.A.			SIZE <b>A</b>		
			COMMENTS:					
		MATERIAL ABS				DWG. NO.	1	REV
		FINISH						
NEXT ASSY	USED ON					SCALE: 1:1	WEIGHT:	SHEET 8 OF 8
APPLICATION		DO NOT SCALE DRAWING						

2

1

A