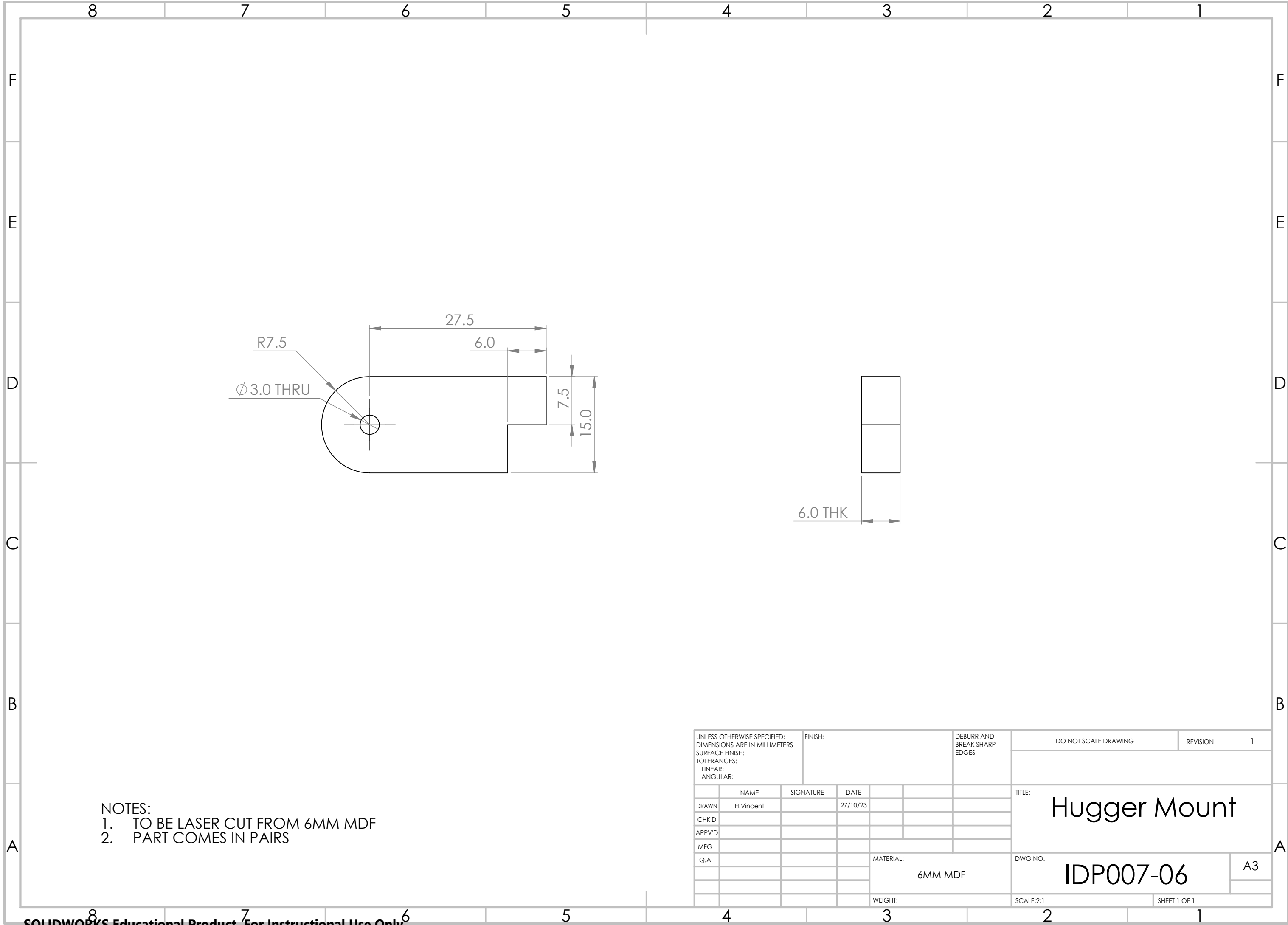


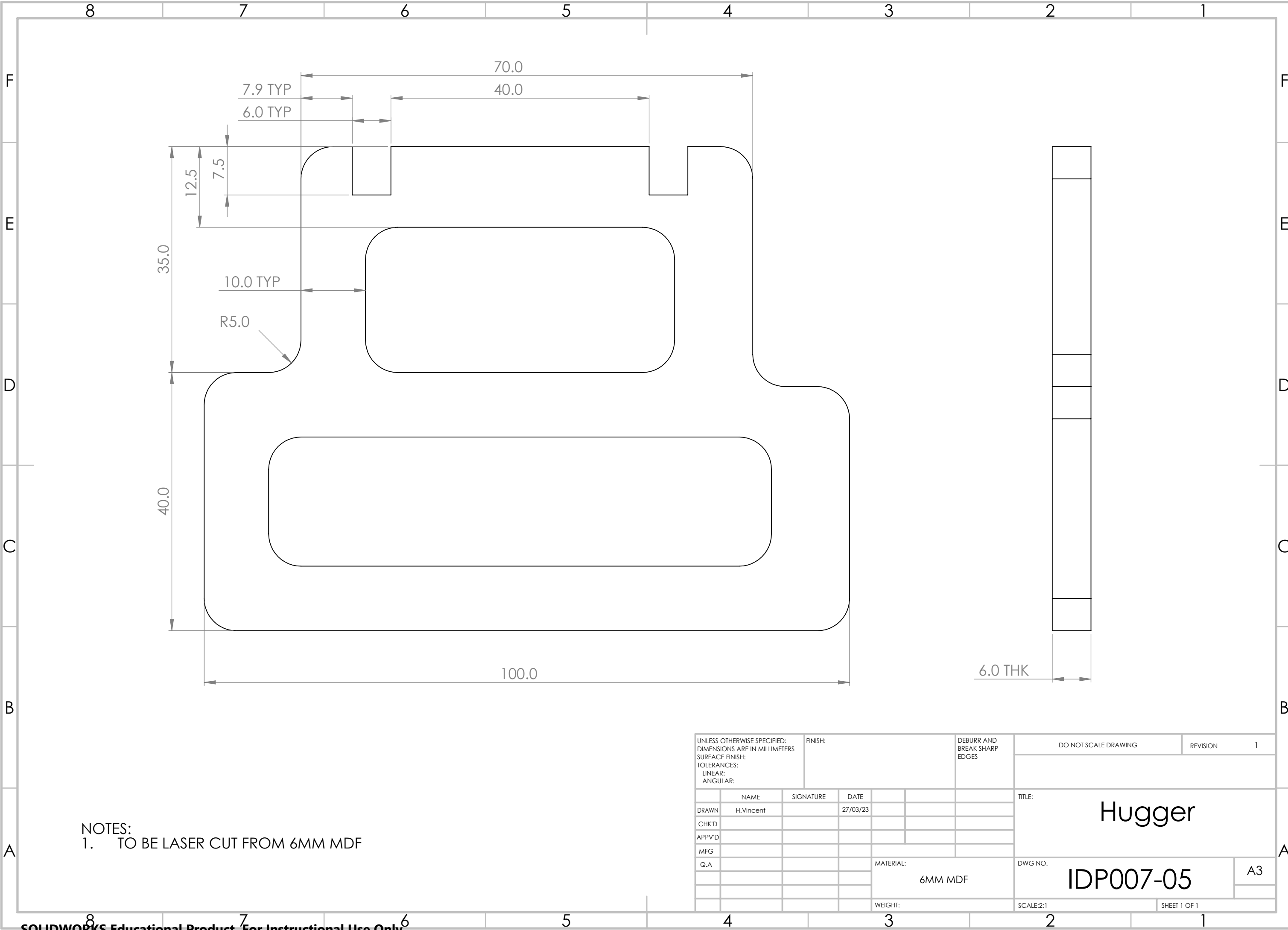
NOTES:
1. TO BE LASER CUT FROM 6MM MDF
2. PART COMES IN PAIRS

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:				FINISH:		DEBURR AND BREAK SHARP EDGES		DO NOT SCALE DRAWING		REVISION		1	
		NAME		SIGNATURE		DATE						TITLE: Arduino Shelf - Side	
DRAWN		H.Vincent				30/10/23							
CHK'D													
APPV'D													
MFG													
Q.A								MATERIAL: 6MM MDF		DWG NO. IDP007-08		A3	
								WEIGHT:		SCALE:1:1		SHEET 1 OF 1	



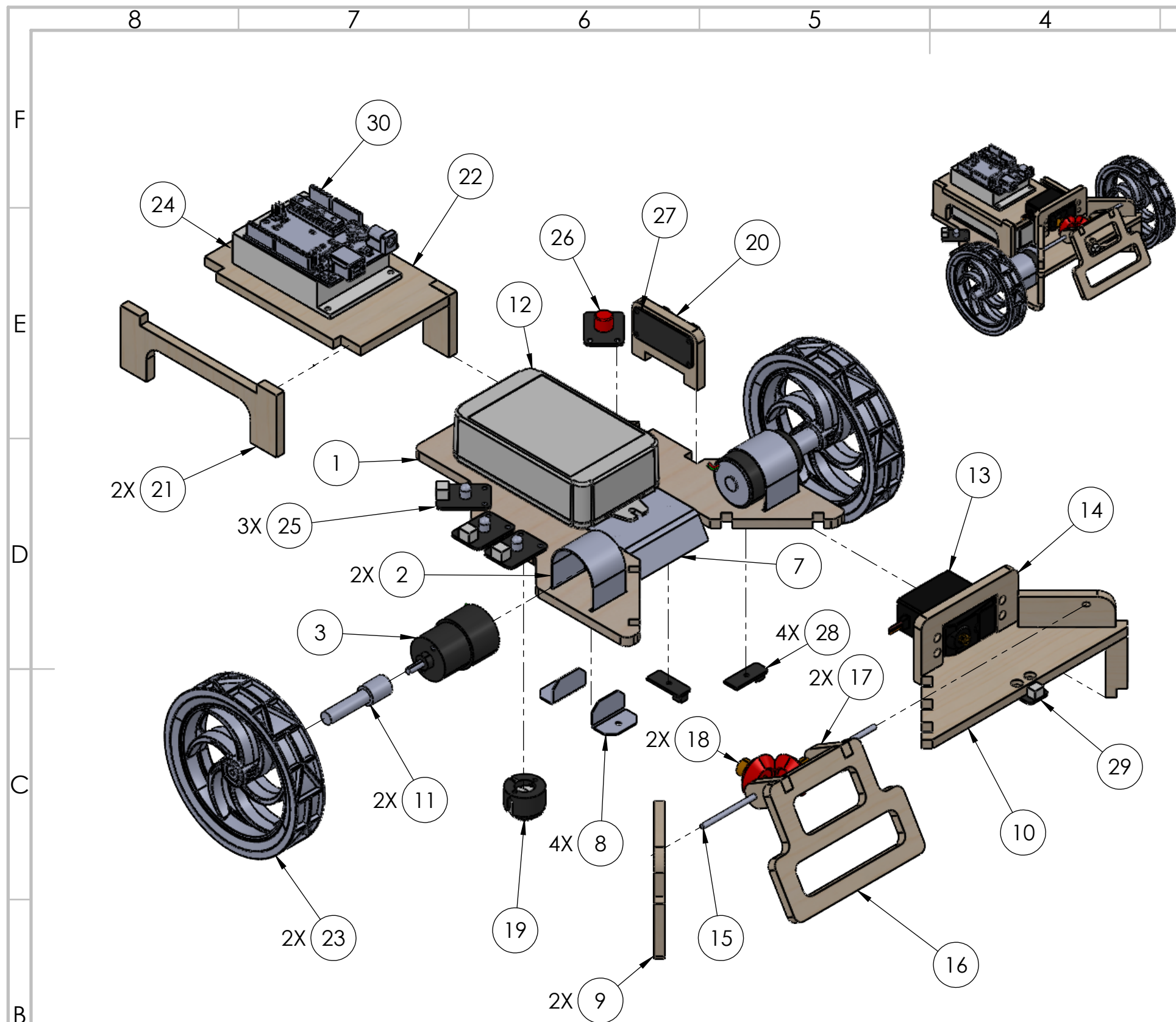
- NOTES:
- 1. TO BE LASER CUT FROM 6MM MDF
 - 2. PART COMES IN PAIRS

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:				FINISH:		DEBURR AND BREAK SHARP EDGES	DO NOT SCALE DRAWING		REVISION	1
							TITLE: Hugger Mount			
DRAWN	NAME	SIGNATURE	DATE				DWG NO. IDP007-06			
CHK'D	H.Vincent		27/10/23							
APPV'D										
MFG							SHEET 1 OF 1			
Q.A										
							SCALE:2:1			
							WEIGHT:			
							MATERIAL: 6MM MDF			
							A3			



NOTES:
1. TO BE LASER CUT FROM 6MM MDF

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:				FINISH:		DEBURR AND BREAK SHARP EDGES	DO NOT SCALE DRAWING		REVISION	1
	NAME	SIGNATURE	DATE				TITLE: Hugger			
DRAWN	H.Vincent		27/03/23							
CHK'D										
APPV'D										
MFG										
Q.A							DWG NO.		IDP007-05	
							SCALE:2:1		SHEET 1 OF 1	
							WEIGHT:			
							MATERIAL:		6MM MDF	
									A3	

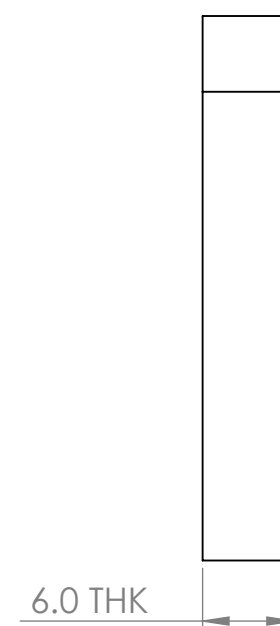
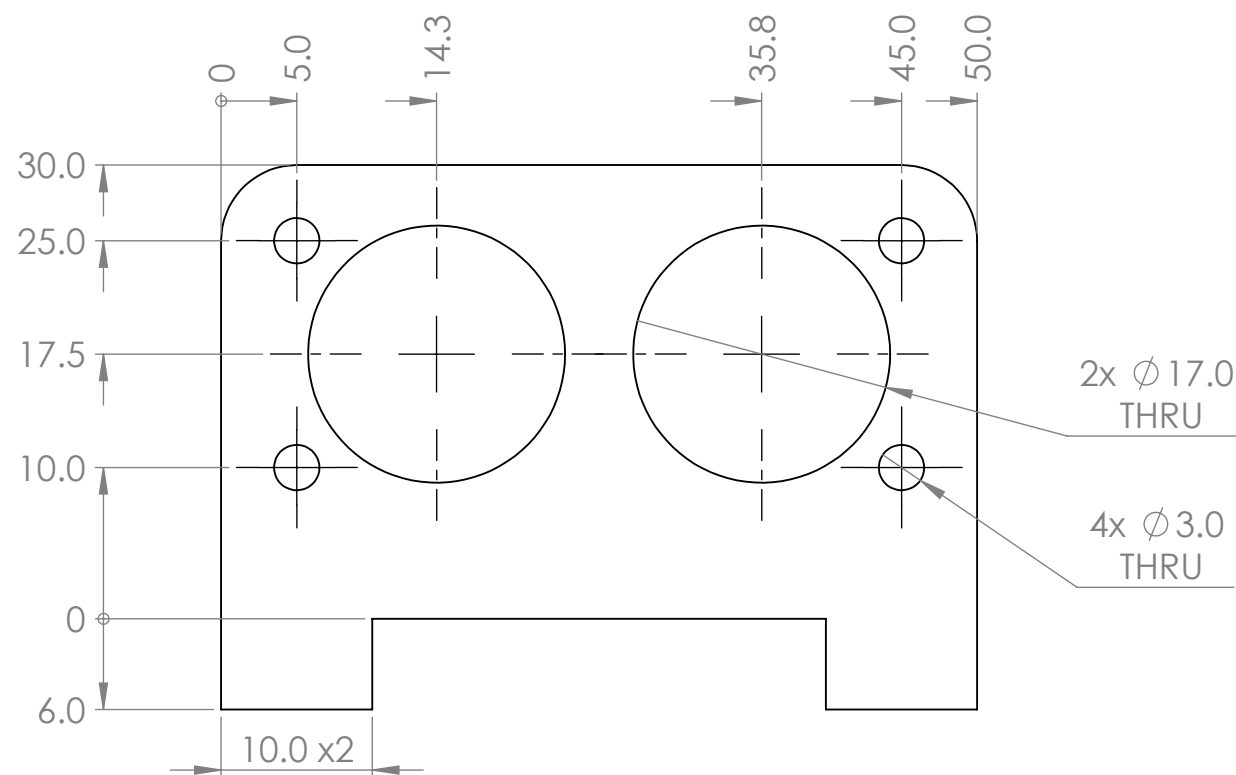


3	2	1	
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	IDP007-01	Chassis2	1
2	IDP007-10	Motor mount	2
3		new-motor-20.prt	2
7	IDP007-12	Ramp	1
8	IDP007-11	Motor Mount Angle	4
9	IDP007-02	Bridge siude	1
10	IDP007-03	Bridge top	1
11		Wheel axle	2
12		Battery Box	1
13		Servo DSS-M15S.stp	1
14	IDP007-04	Servo mount	1
15		Front axle	1
16	IDP007-05	Sweeper	1
17	IDP007-06	Sweeper mount	2
18		mitre_m1_20t.prt	2
19		Ball Caster	1
20	IDP007-07	Mount - ultrasonic	1
21	IDP007-08	Arduino Shelf - Side	2
22	IDP007-09	Arduino Shelf - Top	1
23		wheel_75	2
24		Arduino Board Mount	1
25		LED	3
26		Button	1
27		Ultrasonic Sensor	1
28		Line Sensor	4
29		Time of Flight	1
30		Arduino Board	

- NOTES:**

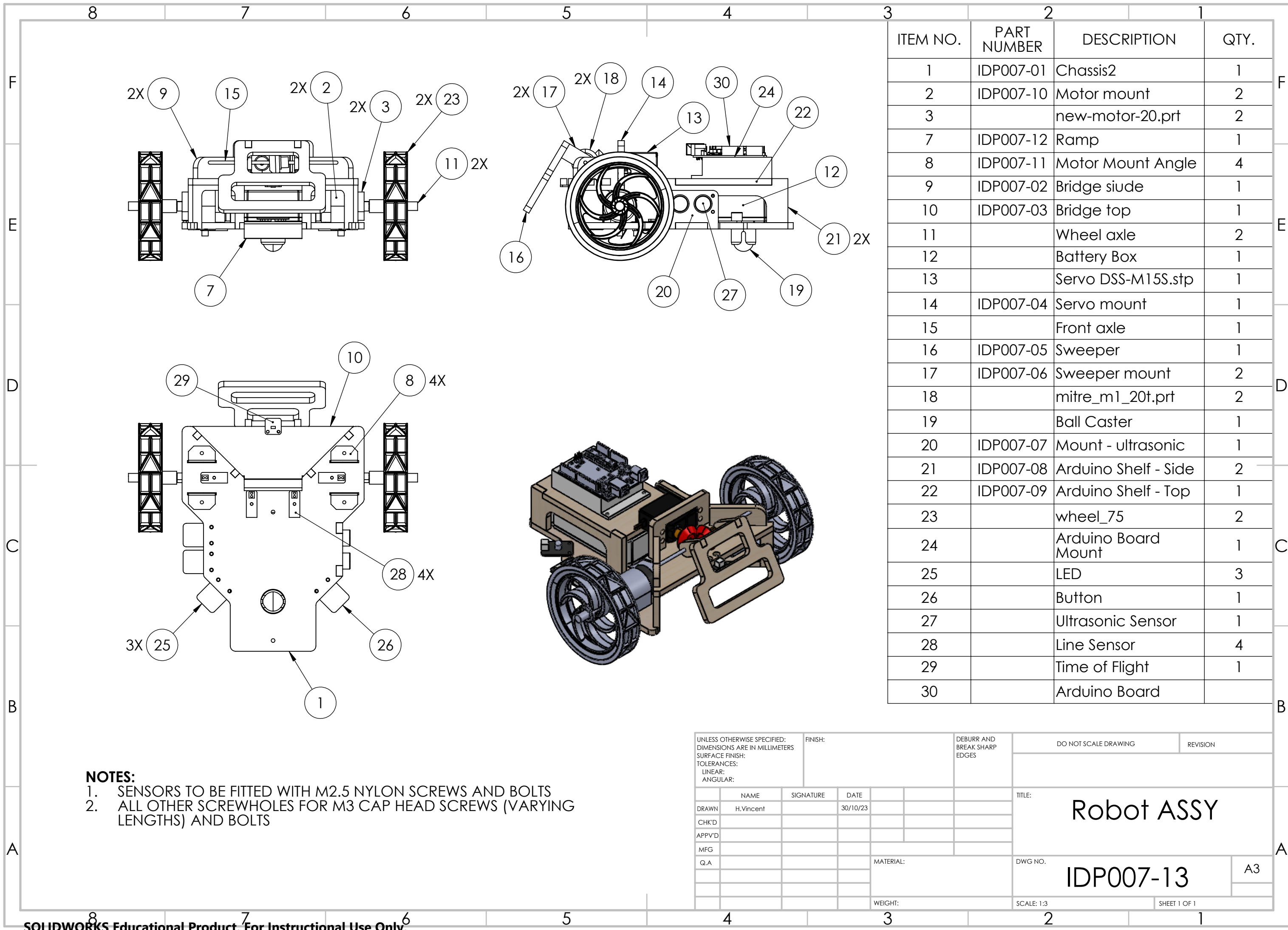
- NOTES:
1. SENSORS TO BE FITTED WITH M2.5 NYLON SCREWS AND BOLTS
 2. ALL OTHER SCREWHOLES FOR M3 CAP HEAD SCREWS (VARYING LENGTHS) AND BOLTS

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:		FINISH:		DEBURR AND BREAK SHARP EDGES		DO NOT SCALE DRAWING		REVISION	
	NAME	SIGNATURE	DATE			TITLE: Robot ASSY			
DRAWN	H.Vincent		30/10/23						
CHK'D									
APPV'D									
MFG									
Q.A.				MATERIAL:		DWG NO.		IDP007-13	
				WEIGHT:		SCALE:1:2		SHEET 1 OF 1	



NOTES:
1. TO BE LASER CUT FROM 6MM MDF

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:		FINISH:		DEBURR AND BREAK SHARP EDGES		DO NOT SCALE DRAWING		REVISION		1	
	NAME	SIGNATURE		DATE			TITLE: Mount - Ultrasonic				
DRAWN	H.Vincent			30/10/23							
CHK'D											
APPV'D											
MFG											
Q.A				MATERIAL: 6MM MDF			DWG NO.		IDP007-07		A3
				WEIGHT:			SCALE:2:1		SHEET 1 OF 1		

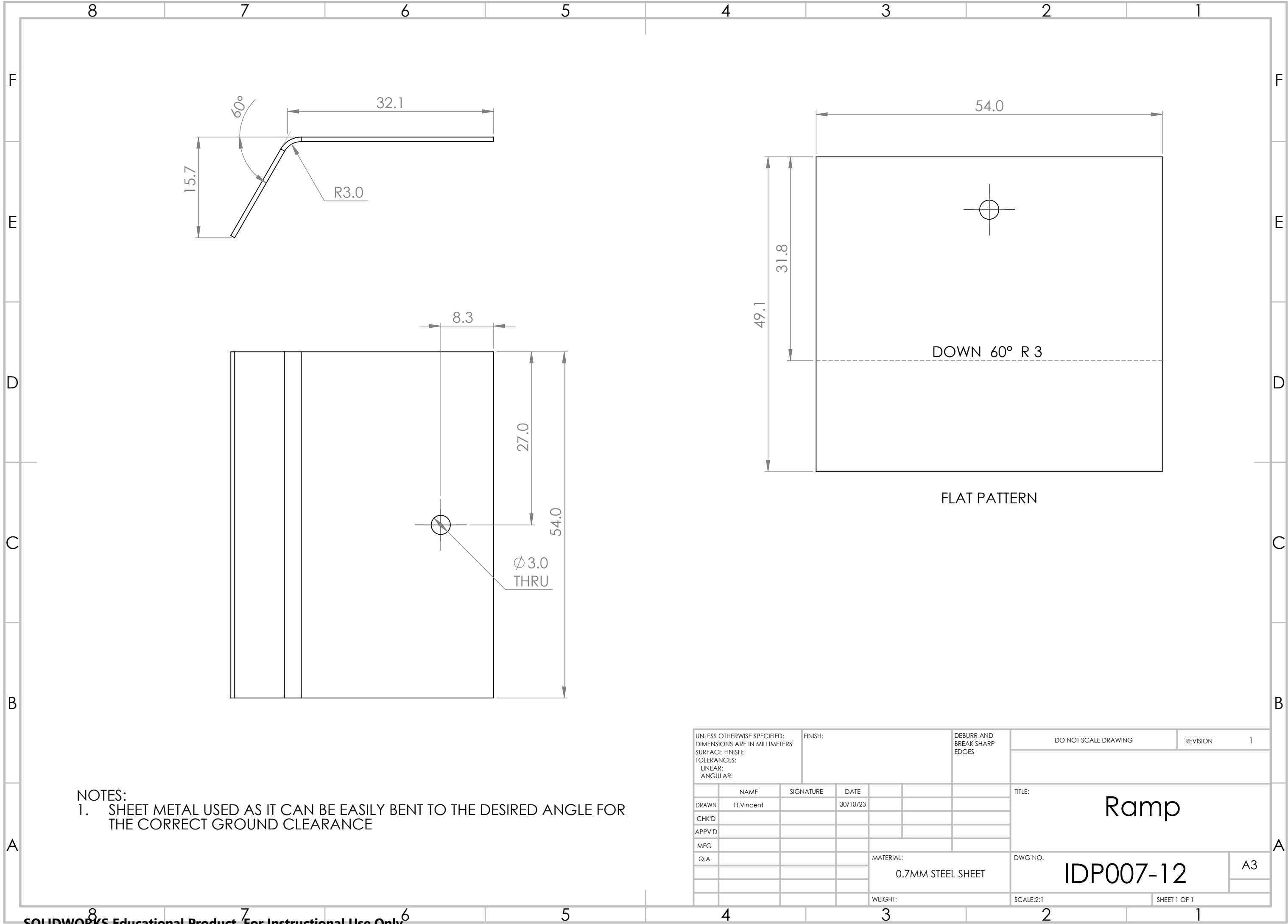


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	IDP007-01	Chassis2	1
2	IDP007-10	Motor mount	2
3		new-motor-20.prt	2
7	IDP007-12	Ramp	1
8	IDP007-11	Motor Mount Angle	4
9	IDP007-02	Bridge siude	1
10	IDP007-03	Bridge top	1
11		Wheel axle	2
12		Battery Box	1
13		Servo DSS-M15S.stp	1
14	IDP007-04	Servo mount	1
15		Front axle	1
16	IDP007-05	Sweeper	1
17	IDP007-06	Sweeper mount	2
18		mitre_m1_20t.prt	2
19		Ball Caster	1
20	IDP007-07	Mount - ultrasonic	1
21	IDP007-08	Arduino Shelf - Side	2
22	IDP007-09	Arduino Shelf - Top	1
23		wheel_75	2
24		Arduino Board Mount	1
25		LED	3
26		Button	1
27		Ultrasonic Sensor	1
28		Line Sensor	4
29		Time of Flight	1
30		Arduino Board	

NOTES:

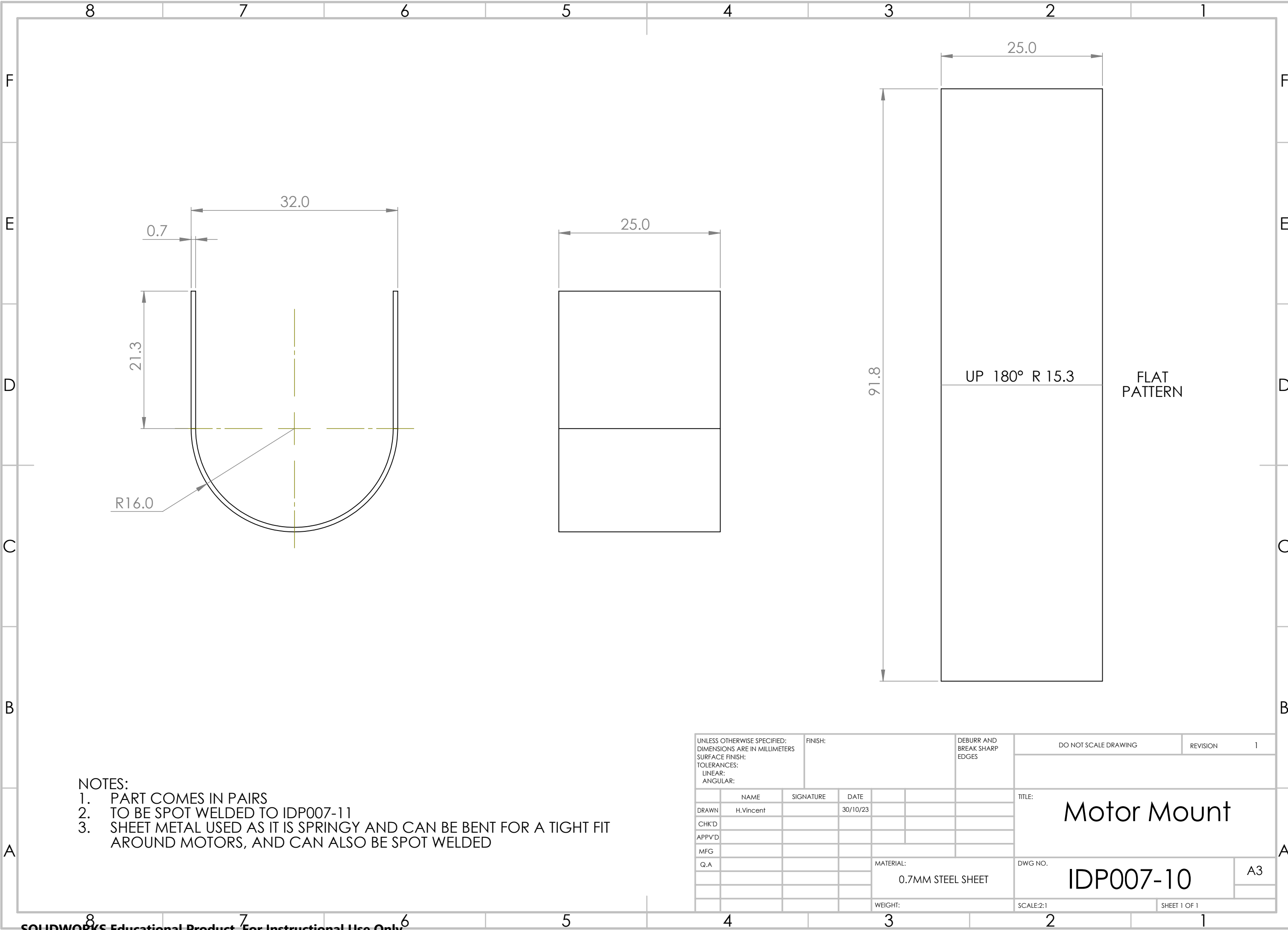
- SENSORS TO BE FITTED WITH M2.5 NYLON SCREWS AND BOLTS
- ALL OTHER SCREWHOLES FOR M3 CAP HEAD SCREWS (VARYING LENGTHS) AND BOLTS

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:		FINISH:		DEBURR AND BREAK SHARP EDGES		DO NOT SCALE DRAWING		REVISION	
DRAWN H.Vincent		SIGNATURE		DATE 30/10/23		TITLE: Robot ASSY			
CHK'D						DWG NO. IDP007-13		A3	
APPV'D									
MFG									
Q.A						MATERIAL:			
						WEIGHT:		SCALE: 1:3	
								SHEET 1 OF 1	



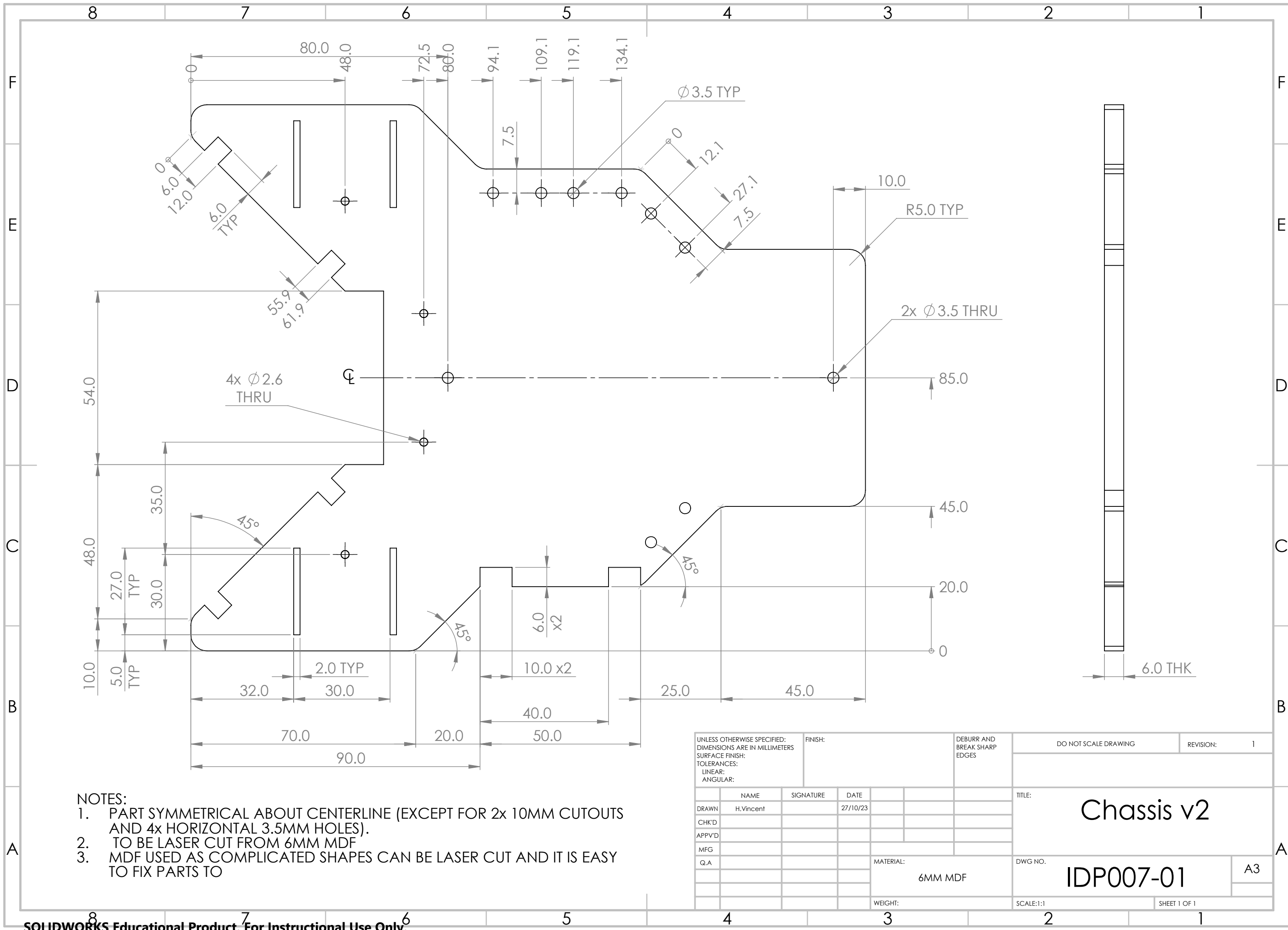
NOTES:
1. SHEET METAL USED AS IT CAN BE EASILY BENT TO THE DESIRED ANGLE FOR THE CORRECT GROUND CLEARANCE

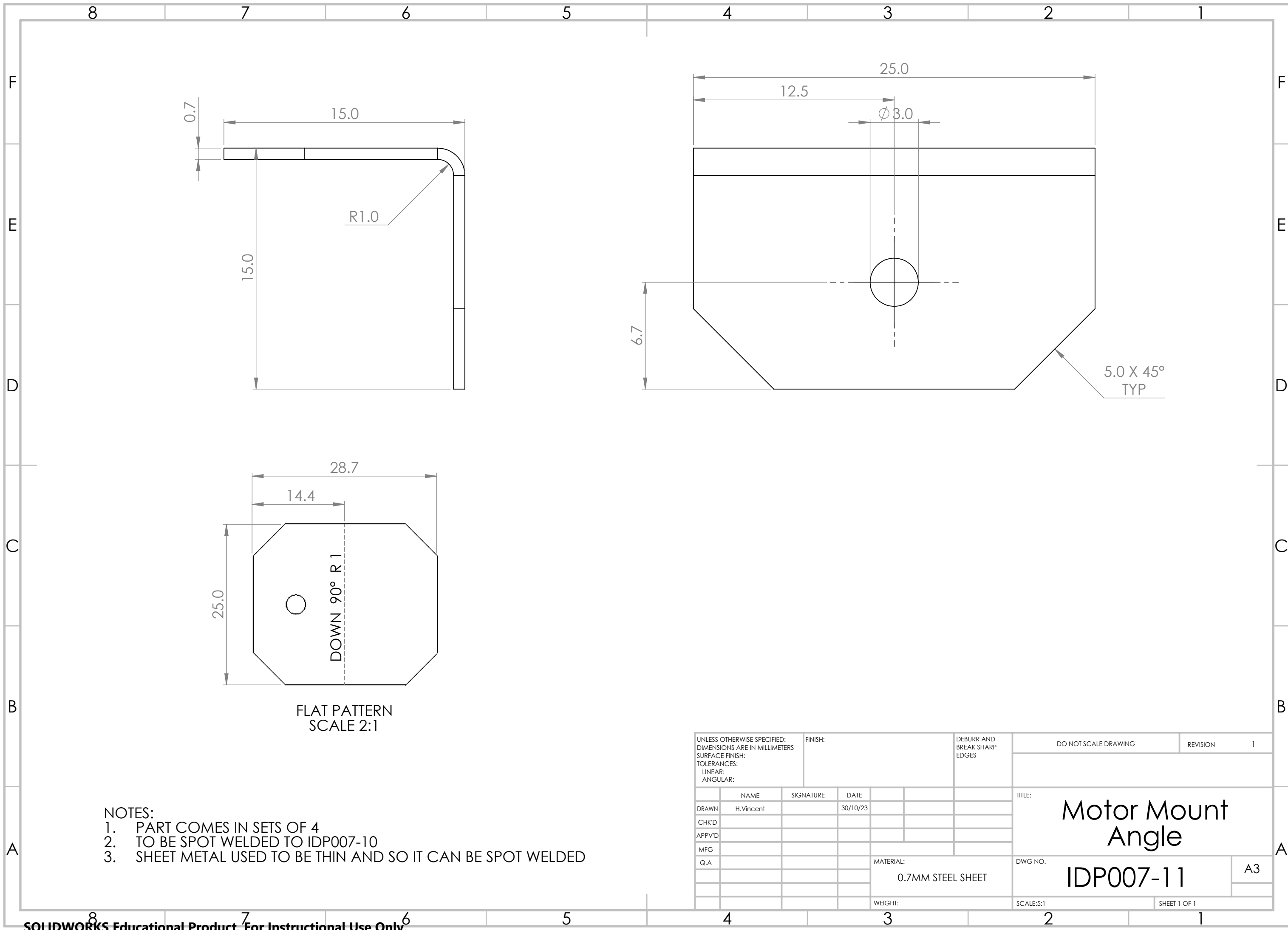
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:				FINISH:		DEBURR AND BREAK SHARP EDGES		DO NOT SCALE DRAWING		REVISION		1	
		NAME		SIGNATURE		DATE							
DRAWN		H.Vincent				30/10/23							
CHK'D													
APPV'D													
MFG													
Q.A													



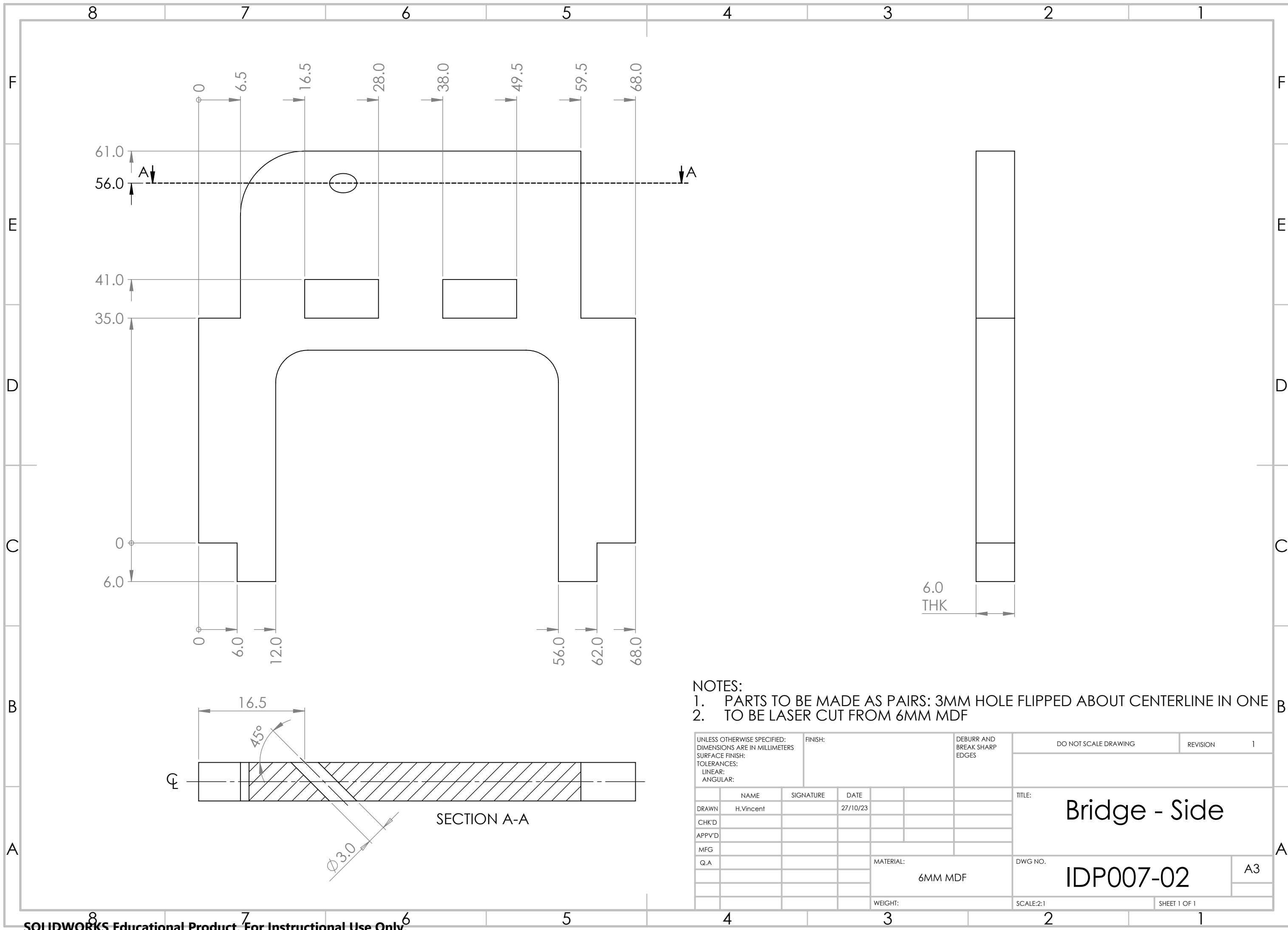
- NOTES:
- 1. PART COMES IN PAIRS
 - 2. TO BE SPOT WELDED TO IDP007-11
 - 3. SHEET METAL USED AS IT IS SPRINGY AND CAN BE BENT FOR A TIGHT FIT AROUND MOTORS, AND CAN ALSO BE SPOT WELDED

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:					FINISH:		DEBURR AND BREAK SHARP EDGES		DO NOT SCALE DRAWING			REVISION		1				
										TITLE: Motor Mount								
NAME		SIGNATURE		DATE														
DRAWN		H.Vincent				30/10/23												
CHK'D																		
APPV'D																		
MFG										DWG NO. IDP007-10								
Q.A																		
										A3								
										SHEET 1 OF 1								
										SCALE:2:1								
										WEIGHT:								
										MATERIAL: 0.7MM STEEL SHEET								
										TITLE:								
										DO NOT SCALE DRAWING								
										REVISION								
										1								





UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:				FINISH:		DEBURR AND BREAK SHARP EDGES		DO NOT SCALE DRAWING		REVISION		1	
	NAME		SIGNATURE		DATE				TITLE: Motor Mount Angle				
DRAWN	H.Vincent				30/10/23								
CHK'D													
APPV'D													
MFG									DWG NO. IDP007-11				
Q.A													
									A3				
									SHEET 1 OF 1				
						MATERIAL:		SCALE:5:1					
						0.7MM STEEL SHEET							
						WEIGHT:							



- NOTES:
- PARTS TO BE MADE AS PAIRS: 3MM HOLE FLIPPED ABOUT CENTERLINE IN ONE
 - TO BE LASER CUT FROM 6MM MDF

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:				FINISH:		DEBURR AND BREAK SHARP EDGES		DO NOT SCALE DRAWING		REVISION 1			
								TITLE: Bridge - Side					
DRAWN	H.Vincent	SIGNATURE		DATE		27/10/23							
CHK'D													
APPV'D													
MFG													
Q.A													
						MATERIAL: 6MM MDF		DWG NO.		IDP007-02		A3	
								WEIGHT:		SCALE:2:1		SHEET 1 OF 1	

