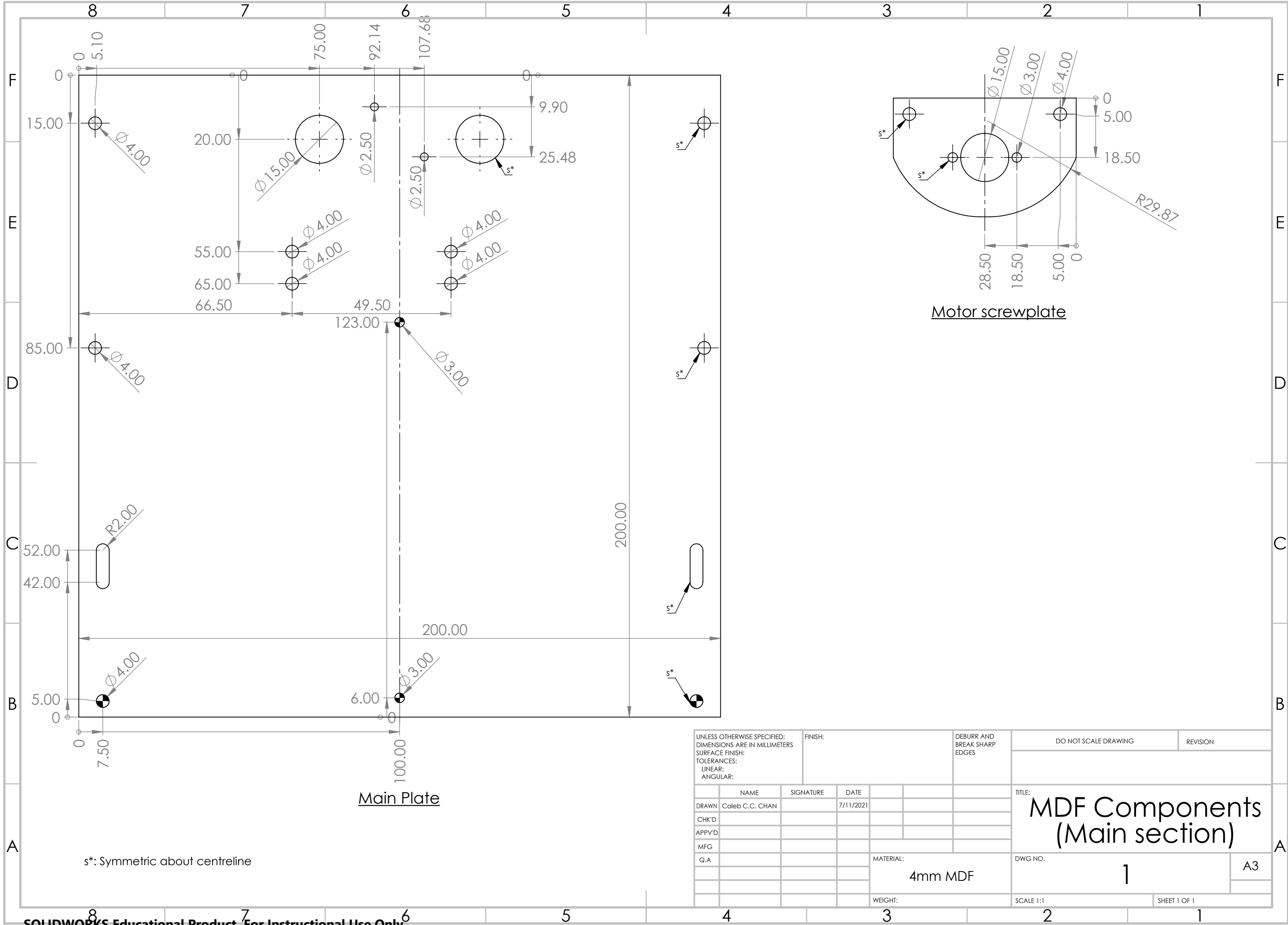


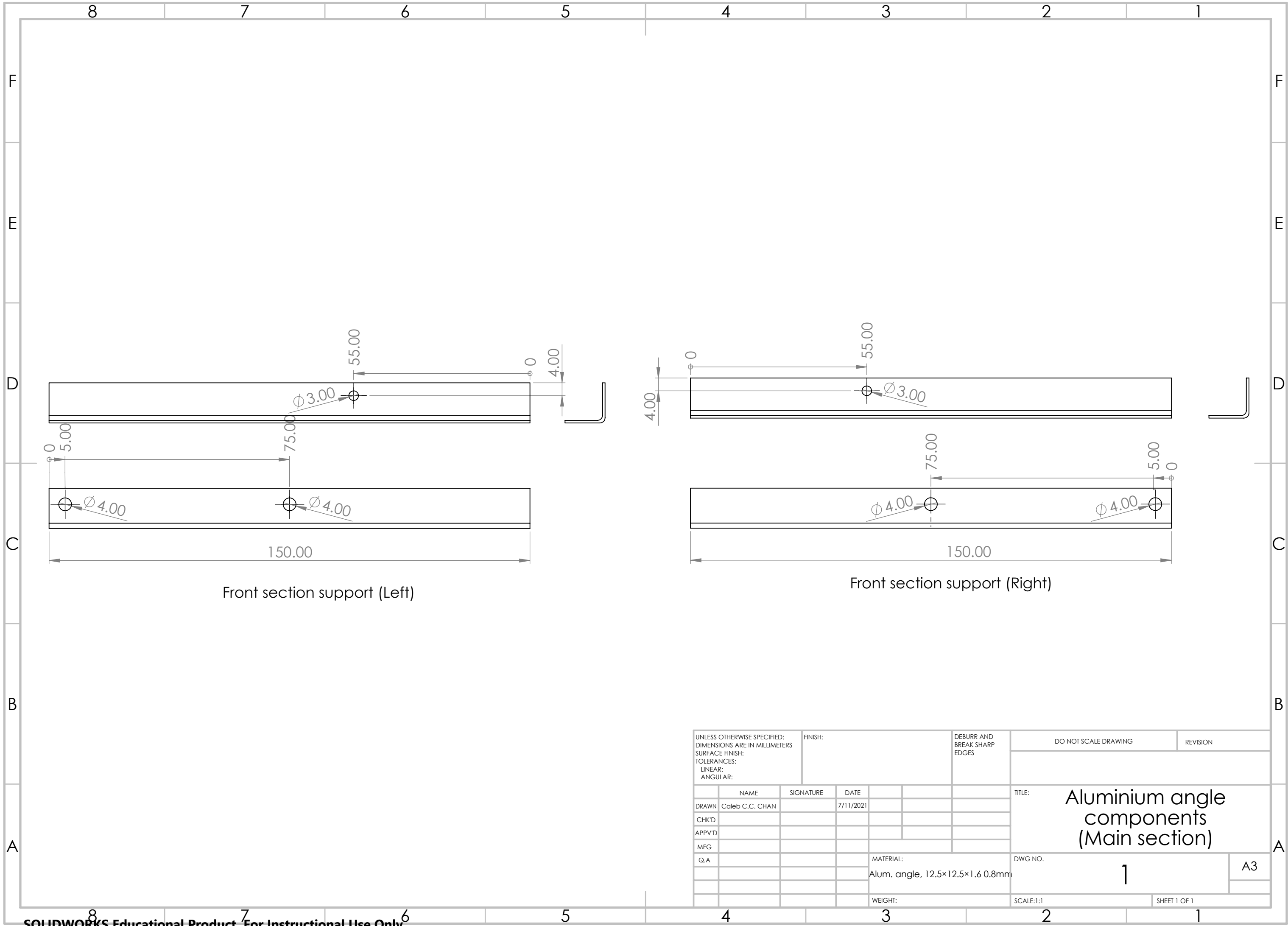
1	Main Plate
2	Motor (18RPM for bottom view, 40RPM for 3D view)
3	4" Wheel
4	Battery
6	Ball bearing and housing
7	Front Suspension
8	Opto switch mount
9	Opto switch
11	Servo motor mount
12	MC-410 Servo Motor
13	Front section support (Left)
14	Front Section support (Right)
15	Motor screwplate
16	Screwplate to main plate mount
18	Front Section mount plate
19	Front motor mount
23	Front motor axle mount
24	M3 Studding
27	Helical gears
30	Ultrasonic to column mount
31	Ultrasonic sensor mount
32	Front sensor column
33	Column to front section mount
34	Arduino Wifi Uno
37	Motorshield
51	Grabber arm left
52	Grabber arm right

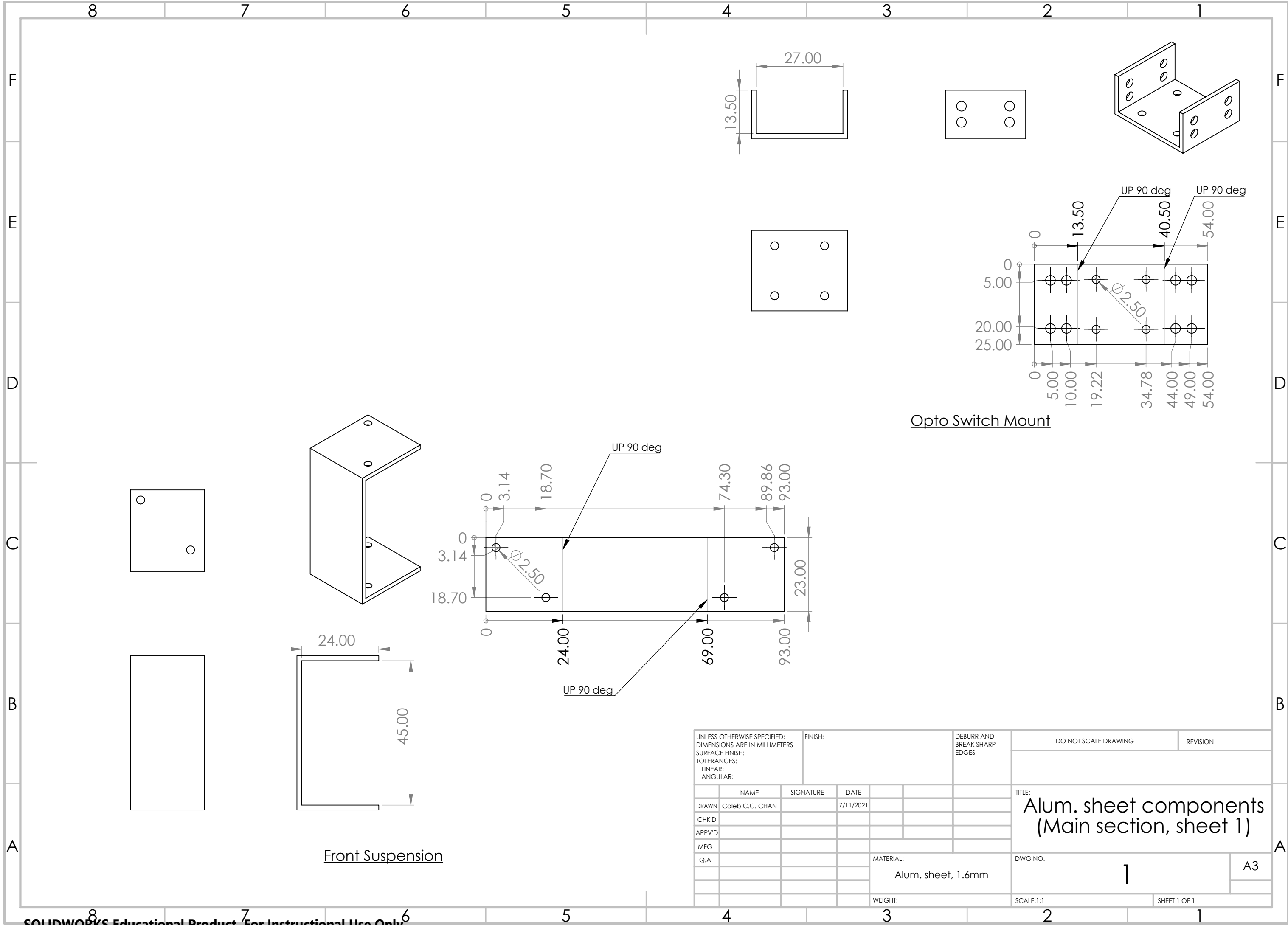
TOLERANCES UNLESS SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: UNLESS SPECIFIED				PART:		TOLERANCE AND BREAK SHARP EDGES		DO NOT SCALE DRAWING		REVISION	
NAME				SIGNATURE		DATE		TITLE		1	
DRAWN: CORIN C. CHAN				DATE		DATE		DATE		DATE	
CHECKED:				DATE		DATE		DATE		DATE	
APPROVED:				DATE		DATE		DATE		DATE	
MFG:				DATE		DATE		DATE		DATE	
DIA:				DATE		DATE		DATE		DATE	
				MATERIAL:		DATE		DATE		DATE	
				WEIGHT:		DATE		DATE		DATE	
				SCALE:		DATE		DATE		DATE	
				SHEET 1 OF 1		DATE		DATE		DATE	

Complete Chassis

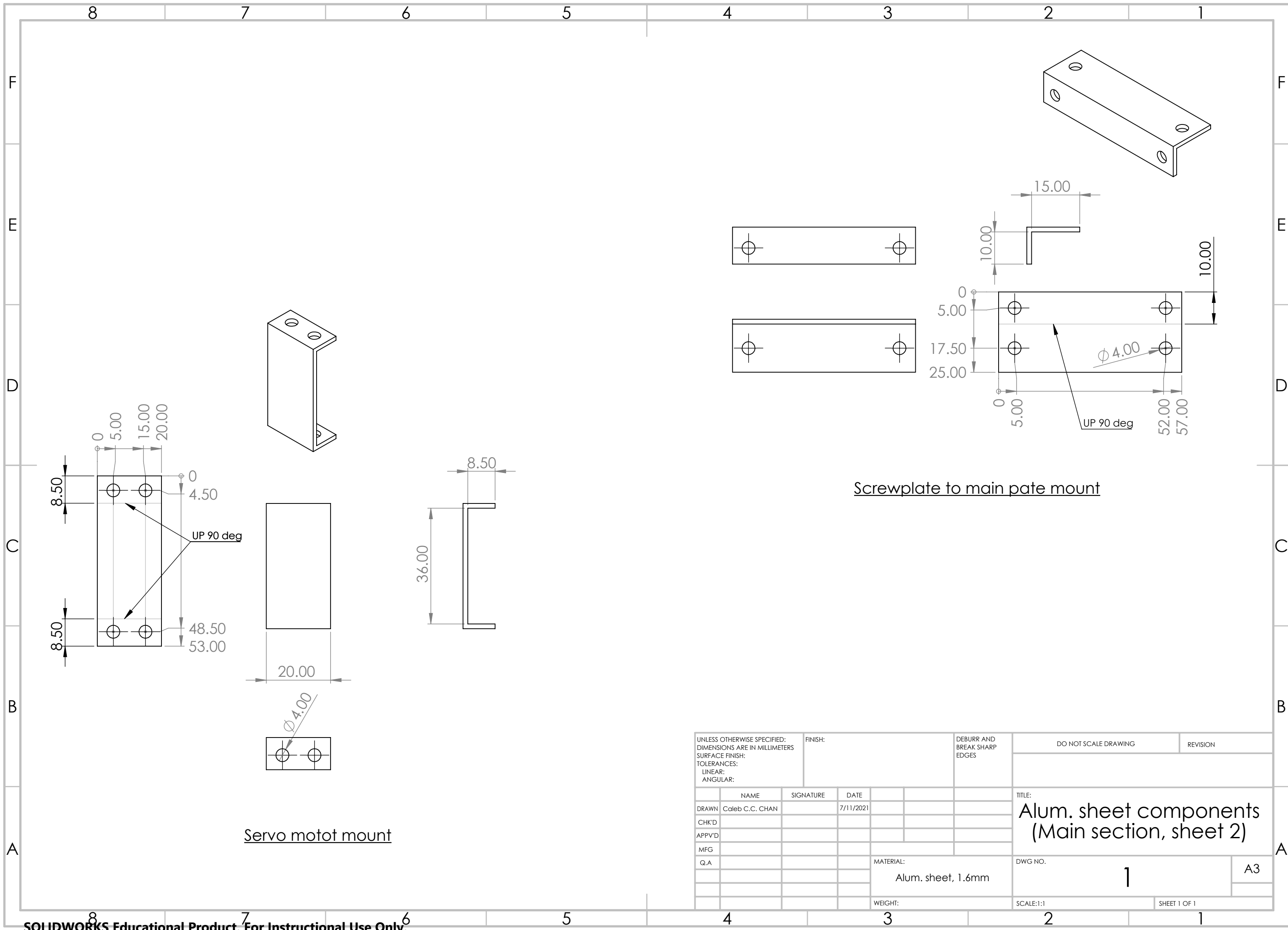


UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:				FINISH:		DEBURR AND BREAK SHARP EDGES		DO NOT SCALE DRAWING	REVISION
	NAME	SIGNATURE	DATE					TITLE: MDF Components (Main section)	
DRAWN	Caleb C.C. CHAN		7/11/2021						
CHK'D									
APPV'D									
MFG									
Q.A						MATERIAL: 4mm MDF		DWG NO. 1	A3
						WEIGHT:		SCALE 1:1	SHEET 1 OF 1





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: Alum. sheet components (Main section, sheet 1)		
DRAWN	Caleb C.C. CHAN				7/11/2021						
CHK'D											
APPV'D											
MFG											
Q.A											
					MATERIAL: Alum. sheet, 1.6mm		DWG NO. 1		A3		
					WEIGHT:		SCALE:1:1		SHEET 1 OF 1		



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: Alum. sheet components (Main section, sheet 2)		
DRAWN	Caleb C.C. CHAN				7/11/2021						
CHK'D											
APPV'D											
MFG											
Q.A											
					MATERIAL: Alum. sheet, 1.6mm		DWG NO. 1		A3		
					WEIGHT:		SCALE:1:1		SHEET 1 OF 1		