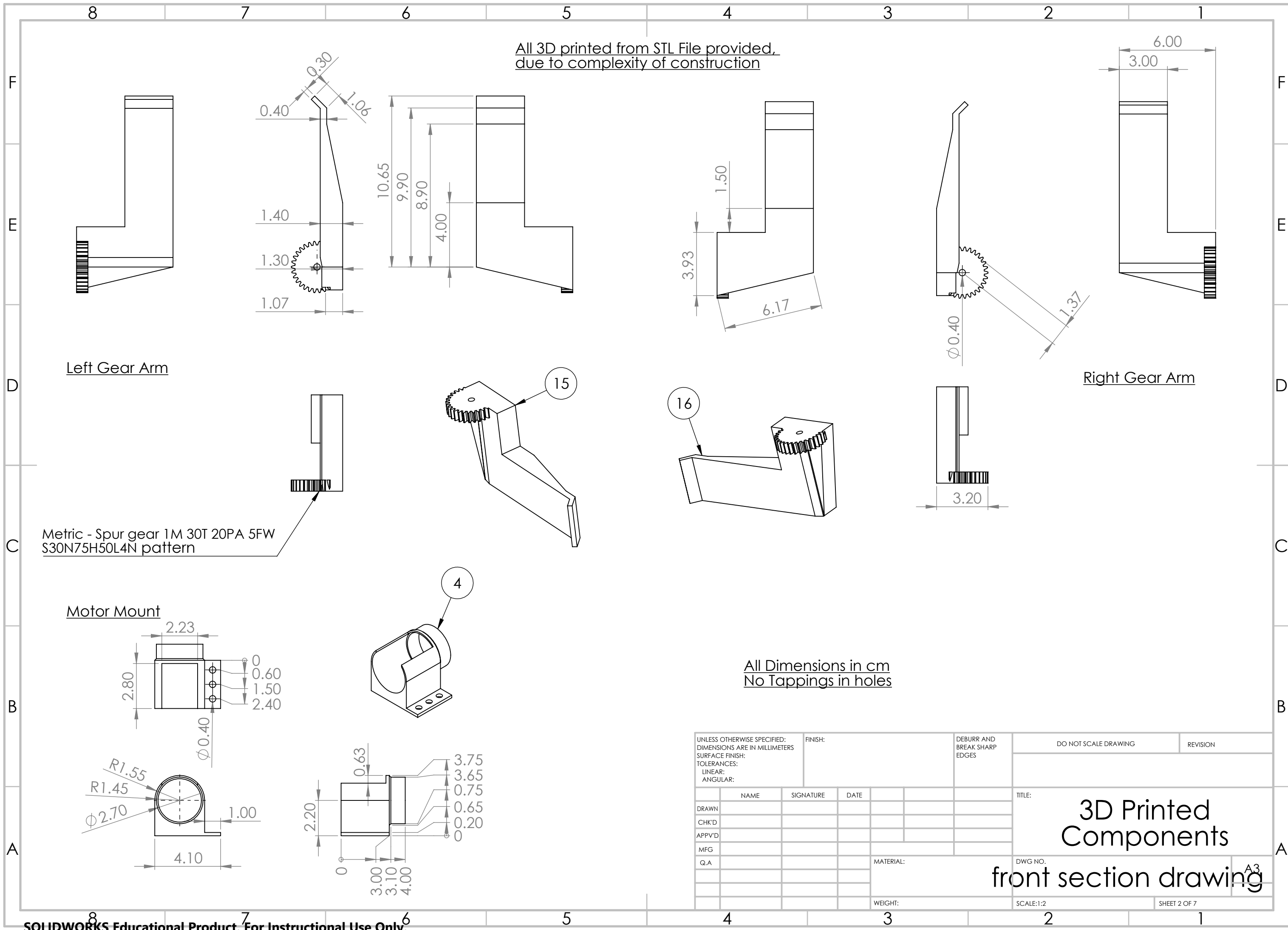


ITEM NO.	PART NAME	QTY.
1	front base plate	1
2	connecting plate	1
3	40 RPM Provided motor	1
4	motor mount	1
5	10mm M4 screw	5
6	20mm M4 screw	2
7	Stock M4 brass coupler	1
8	Drive Shaft	1
9	Shaft bracket	1
10	Front Shaft	1
11	HX-SHCS 0.138-40x0.3125x0.3125-N	1
12	HX-SHCS 0.073-72x0.3125x0.3125-N	1
13	Stock 25mm helical gear	2
14	AM-M4-N	7
15	Left Gear Arm	1
16	Right Gear Arm	1
17	Front sensor mount	1
18	mdf mount	1
19	mdf ultra mount	1
20	metal ultra mount	1

All Dimensions in cm
No Tappings in holes

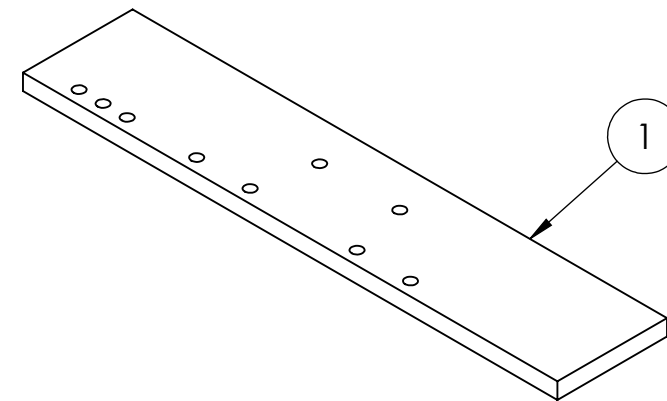
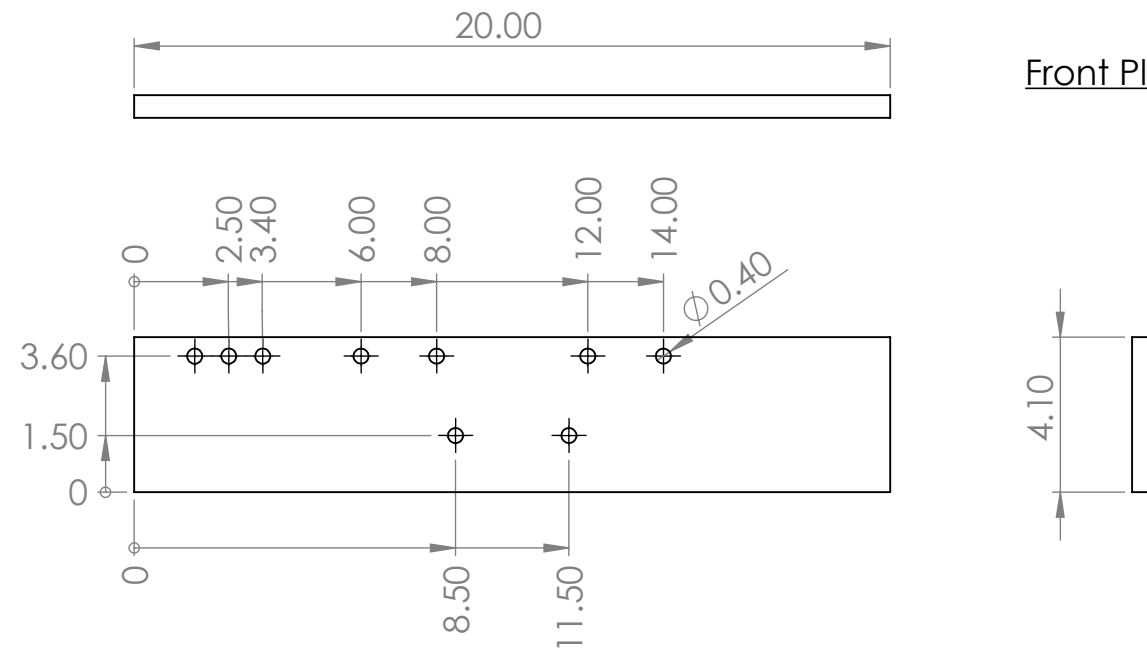
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: 1mm LINEAR: ANGULAR:				FINISH:		DEBURR AND BREAK SHARP EDGES		DO NOT SCALE DRAWING		REVISION	
DRAWN		NAME		SIGNATURE		DATE		TITLE:		A3	
CHK'D		Ben Silva						Front Assembly			
APPV'D								DWG NO.			
MFG								front section drawing			
Q.A								SCALE:1:2		SHEET 1 OF 7	
								WEIGHT:			



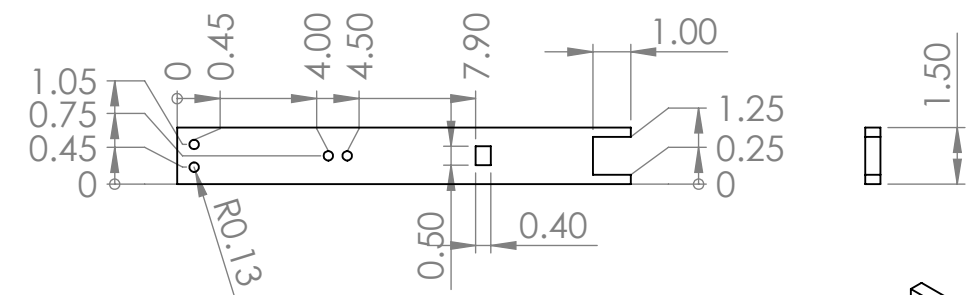
All Dimensions in cm
No Tappings in holes

All Laser cut 6mm mdf for weight saving and rigidity

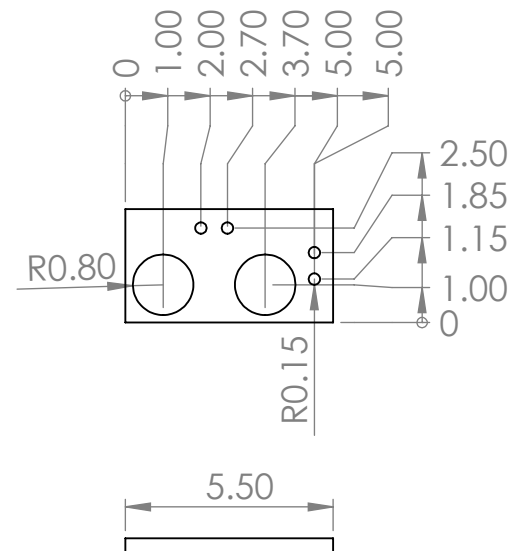
Front Plate



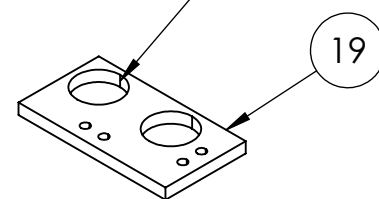
Metal Detector mount



Ultrasound Mount

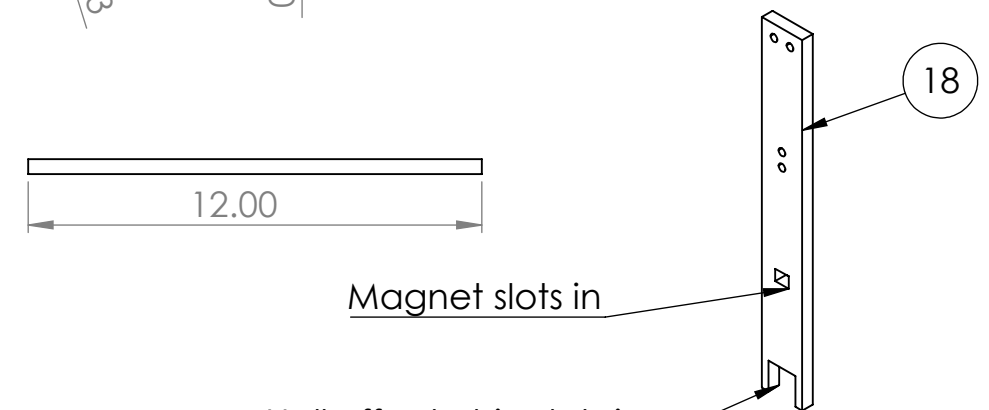


Ultrasound sensor slots into holes

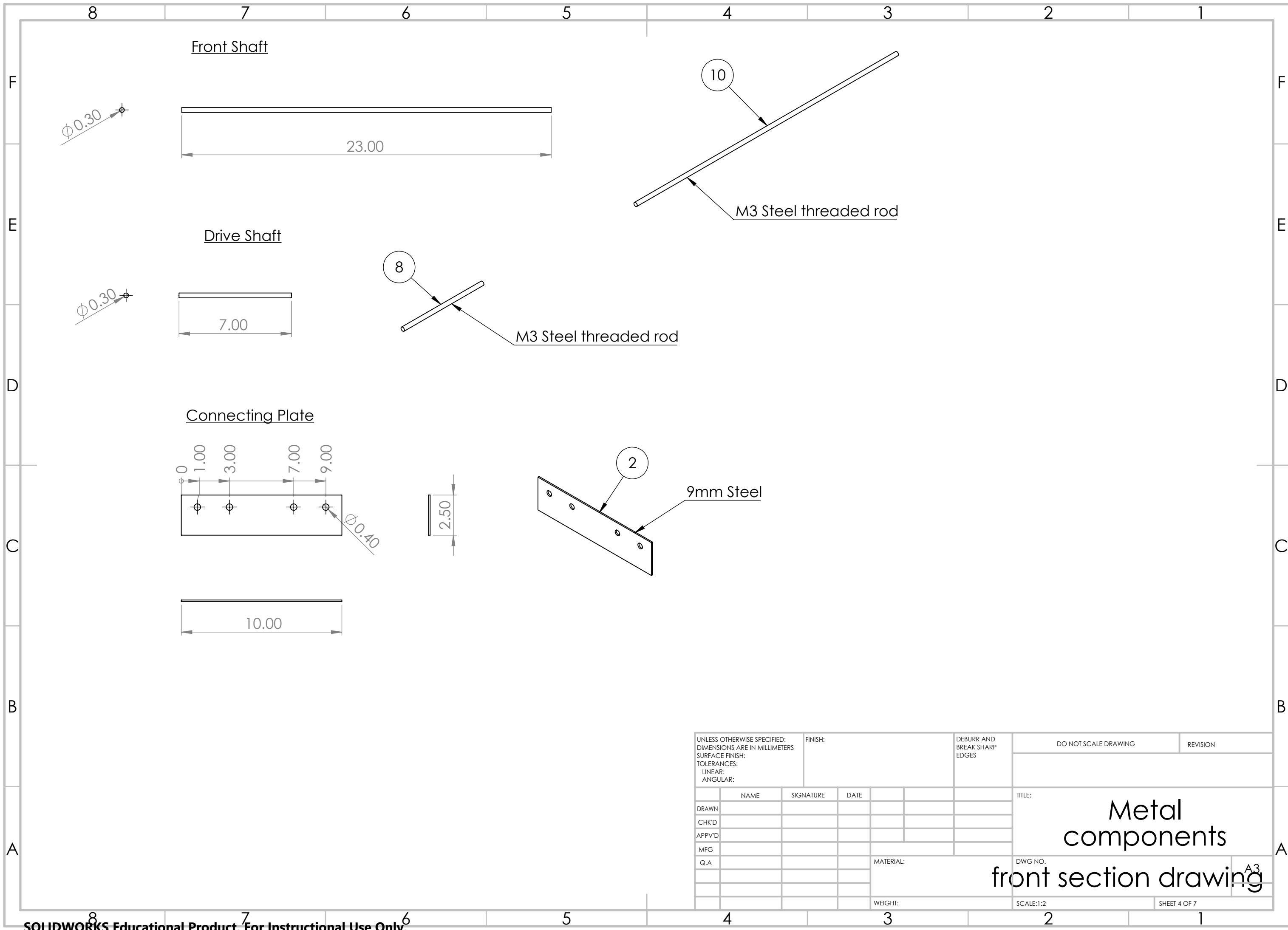


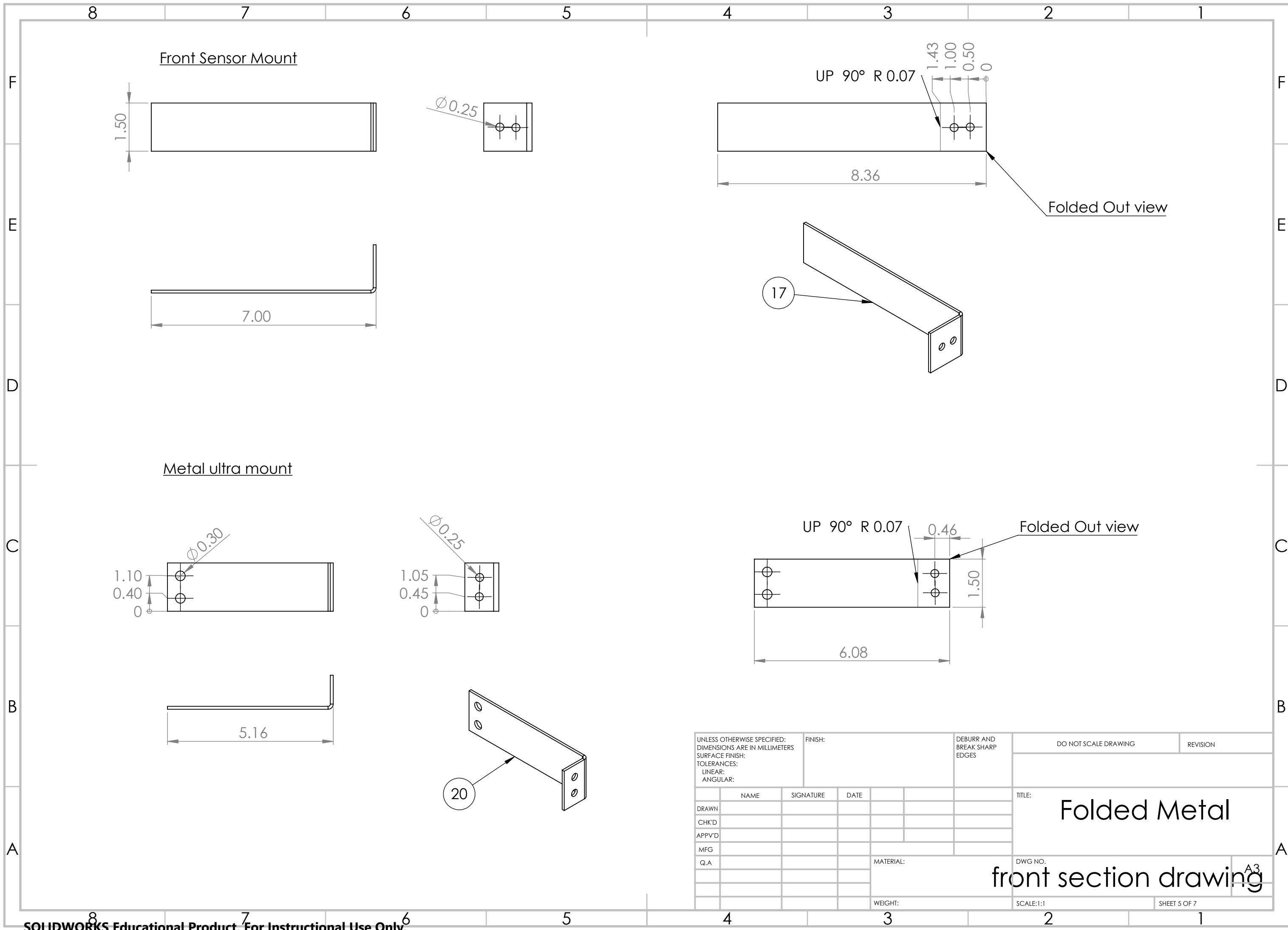
Magnet slots in

Hall effect chip slots in



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:	
DRAWN												MDF components	
CHK'D													
APPV'D													
MFG													
Q.A								MATERIAL:		DWG NO.		A3	
										front section drawing			
										SCALE:1:2		SHEET 3 OF 7	





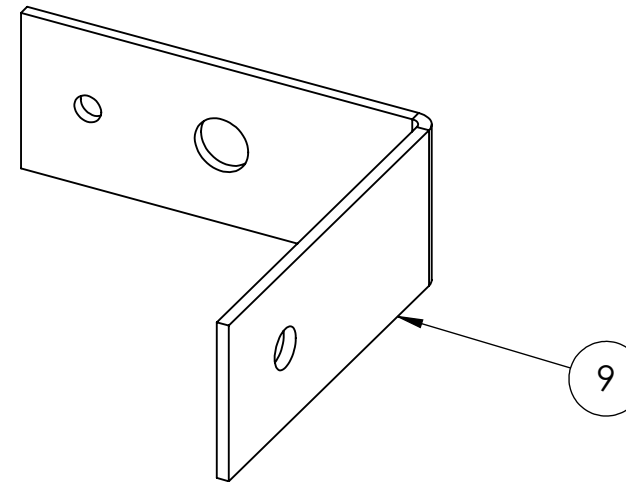
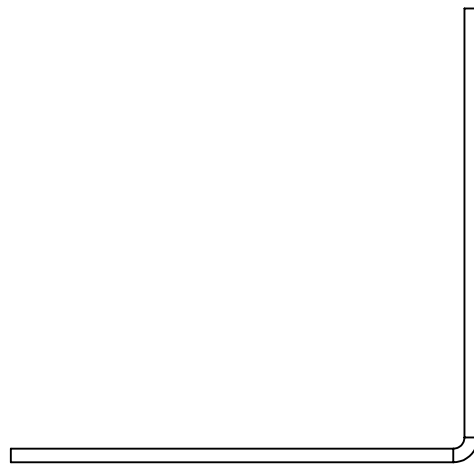
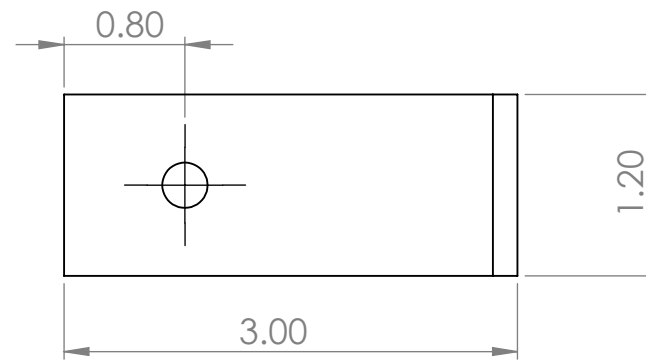
Front Sensor Mount

Metal ultra mount

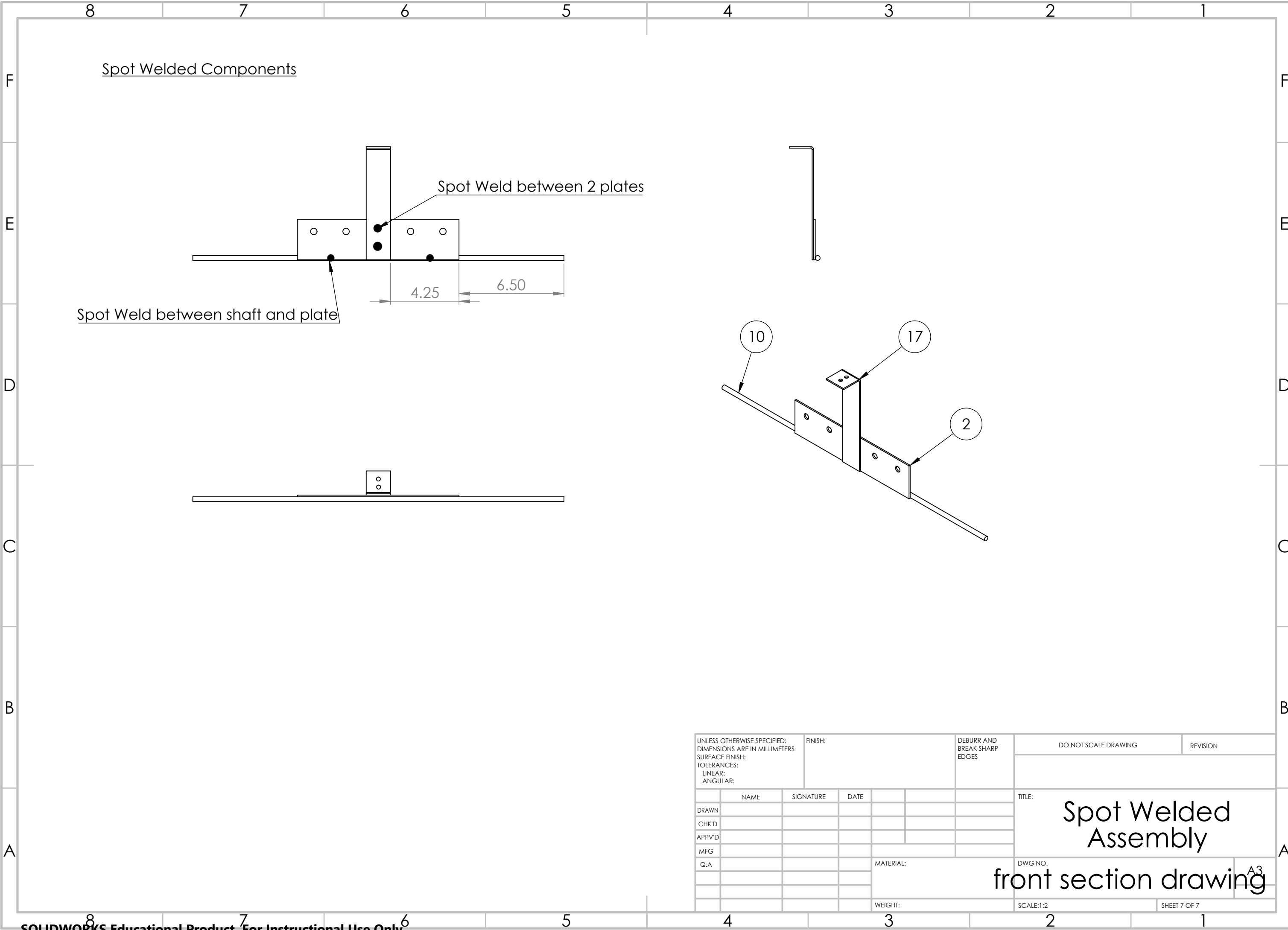
Folded Out view

Folded Out view

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: Folded Metal			
DRAWN													
CHK'D													
APP'V'D													
MFG													
Q.A													
						MATERIAL:		DWG NO.		front section drawing		A3	
						WEIGHT:		SCALE:1:1		SHEET 5 OF 7			



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:						FINISH:		DEBURR AND BREAK SHARP EDGES		DO NOT SCALE DRAWING		REVISION	
										<div> <div>TITLE:</div> <div>Shaft Bracket</div> </div>			
DRAWN		NAME		SIGNATURE		DATE							
CHK'D													
APP'VD													
MFG													
Q.A								MATERIAL:		DWG NO.		A3	
										front section drawing			
										SCALE:2:1		SHEET 6 OF 7	



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: Spot Welded Assembly		
DRAWN											
CHK'D											
APPV'D											
MFG											
Q.A											
							MATERIAL:		DWG NO.		
									front section drawing		
							WEIGHT:		SCALE:1:2		
									SHEET 7 OF 7		