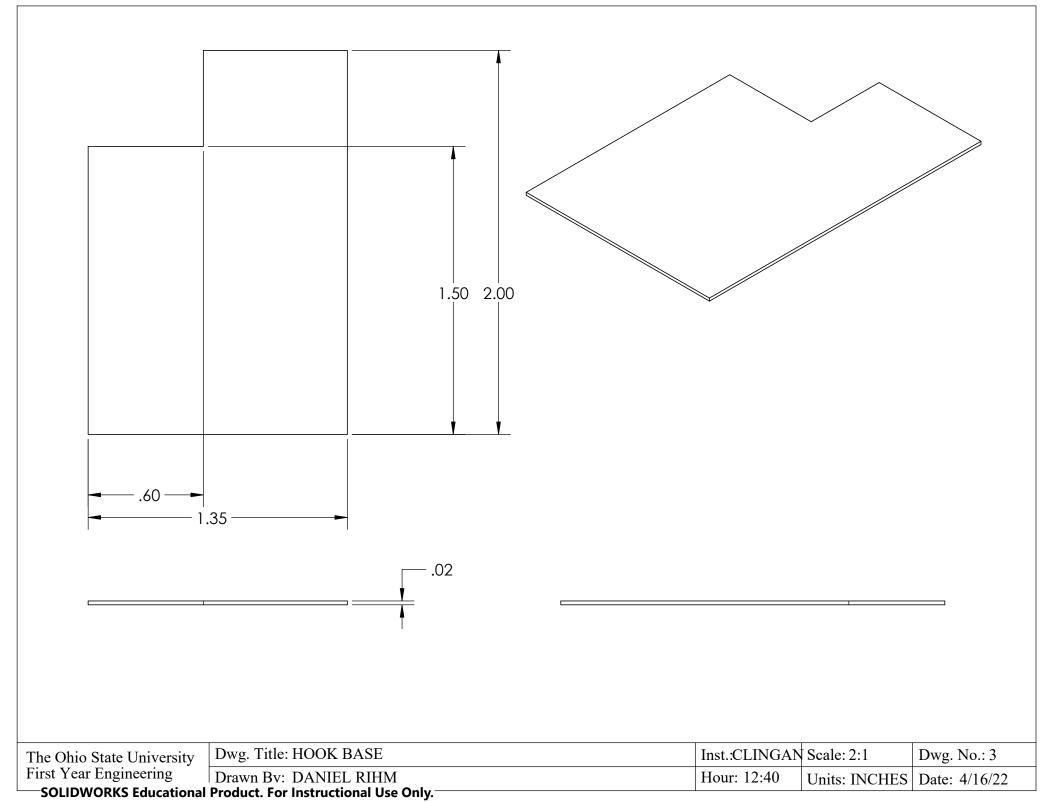
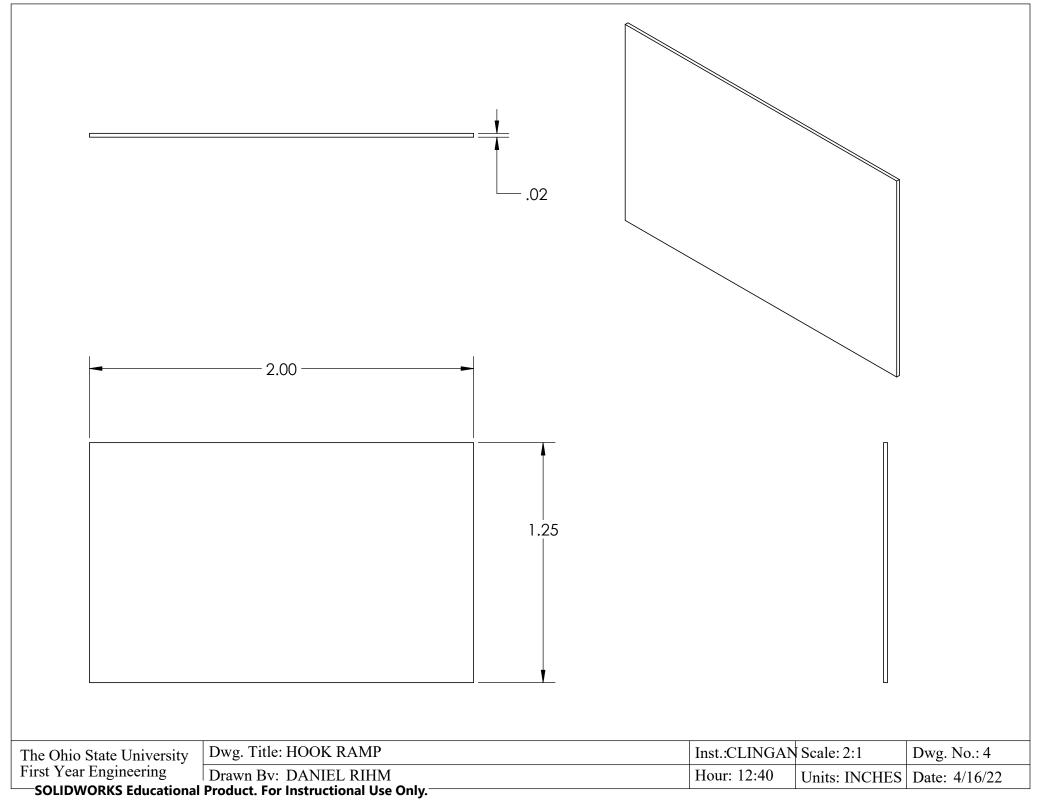


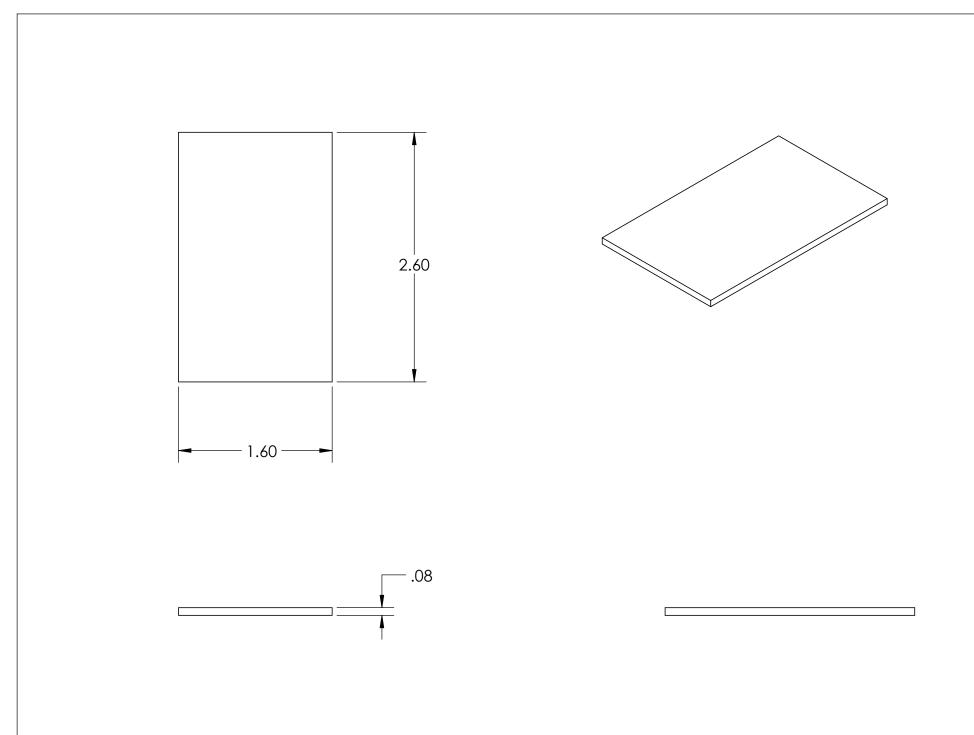
All measurements are relative to the sides of the hexagon and the centerlines between sides. All sides of the hexagon are the same length. Part is made from 20 gauge aluminum sheet.

First Year Engineering	Dwg. Title: OMNI-HEX-BASE	Inst.:CLINGAN	Scale: 1:2	Dwg. No.: 2
	Drawn Bv: DANIEL RIHM	Hour: 12:40	Units: INCHES	Date: 4/14/22

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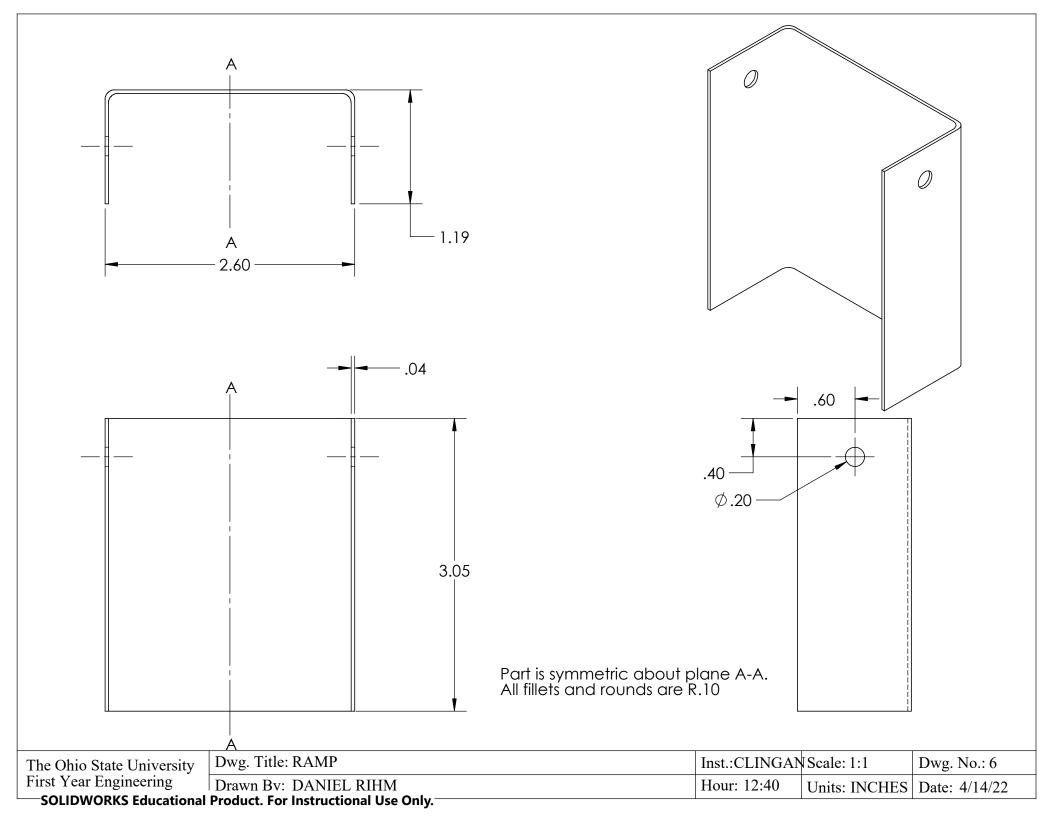


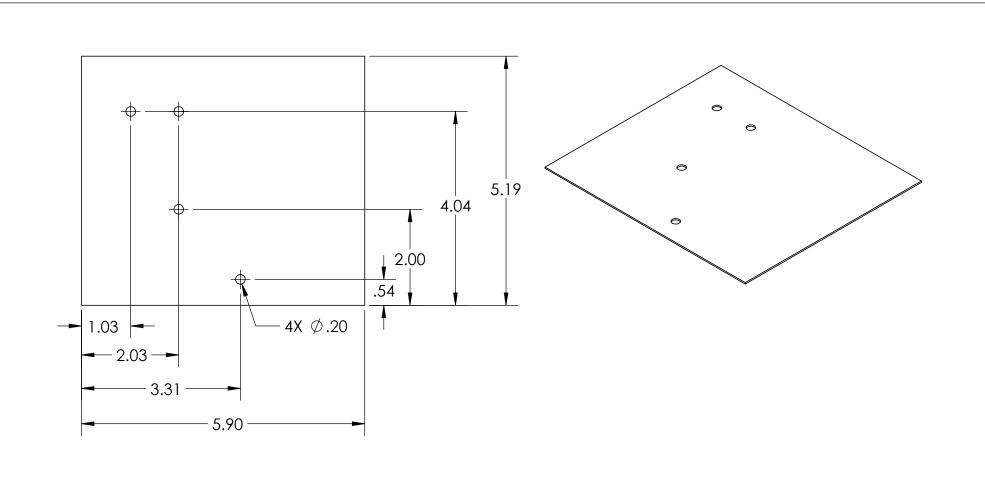




The Ohio State University First Year Engineering	Dwg. Title: PLANE	Inst.:CLINGAN	Scale: 1:1	Dwg. No.: 5
	Drawn Bv: DANIEL RIHM	Hour: 12:40	Units: INCHES	Date: 4/15/22

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The Ohio State University
First Year Engineering

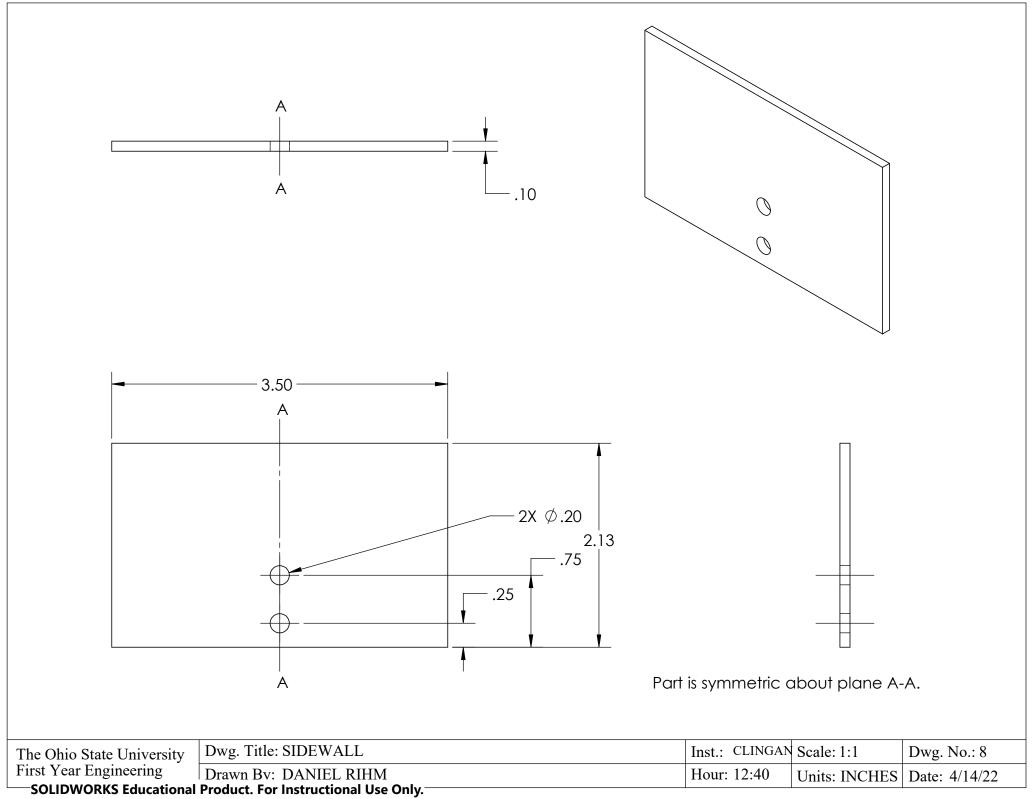
Dwg.	Title:	UPF	PER I	BASE

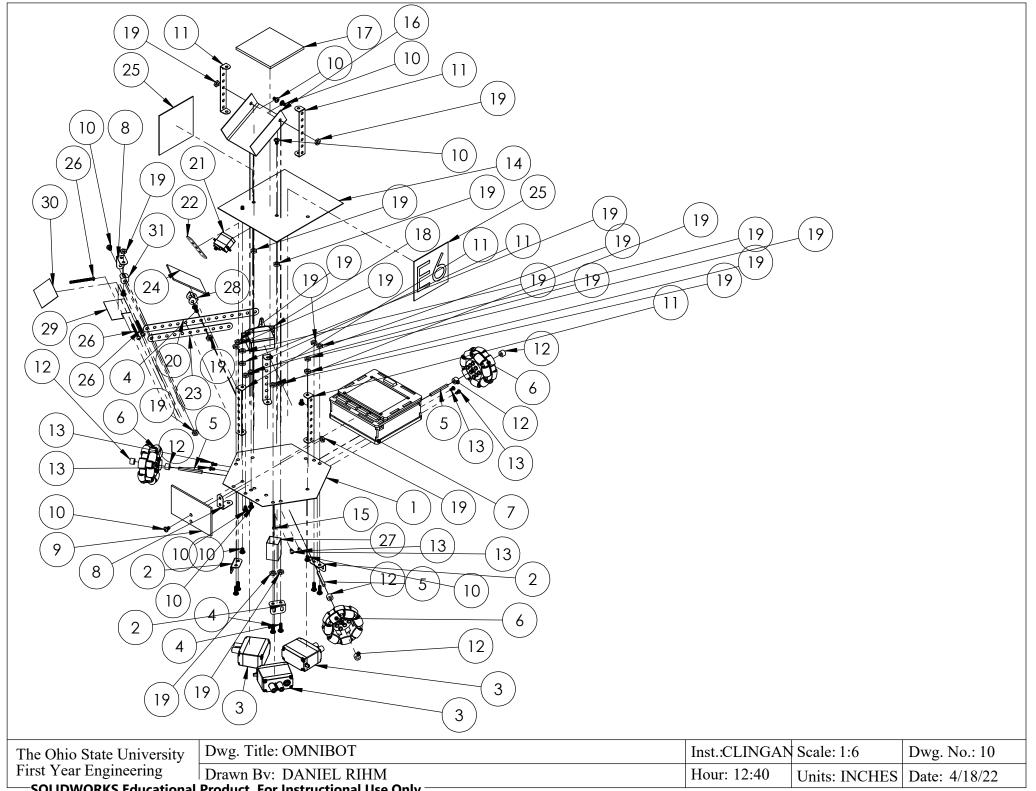
Inst.:CLINGAN Scale: 1:2
Hour: 12:40 Units: INCH

Scale: 1:2 Dwg. No.: 7
Units: INCHES Date: 4/16/22

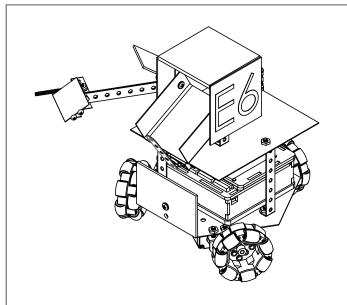
irst Year Engineering Drawn Bv: DANIEL RIHM

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ITEM NO.	PART NUMBER	MATERIAL	QTY.
1	OMNI-HEX-BASE	ALUMINUM	1
2	ANGLE GIRDER, 1" 2 HOLE		3
3	VEX MOTOR		3
4	#8 SCREW, .5"		7
5	VEX AXLE ROD, 1.5"		3
6	OMNI WHEEL		3
7	PROTEUS		1
8	ANGLE BRACKET, 1x1" 2x2 HOLE		2
9	SIDEWALL	ALUMINUM	1
10	#8 SCREW, 0.25"		13

ITEM NO.	PART NUMBER	MATERIA	\L	QTY.
11	DOUBLE ANGLE STRIP, 3.5"x.5" 1x7x1 HOLE			5
12	SMALL PLASTIC SPACER			6
13	#6 SCREW, .25"			6
14	UPPER BASE	ALUMINU	М	1
15	CDS CELL			1
16	RAMP	ALUMINU	М	1
17	QR MOUNT	ACRYLIC	C	1
18	FUTABA SERVO MOTOR			1
19	#8 NUT			22
20	STRIP, 7.5" 15 HOLE			1
21	MICRO SERVO MOTOR			1
22	STRIP, 2.5" 5 HOLE			1
23	STRIP 5.5" 11 HOLE			1
24	PLANE	ALUMINUM PAPER		1
25	POST-IT NOTE			2
26	#6, SCREW 1.5"			3
27	CDS COVER CARDBOARD		\RD	1
28	DOUBLE BRACKET, .5x.5" 1x1x1 HOLE			1
29	29 HOOK BASE CARDBOARD 30 HOOK RAMP CARDBOARD		\RD	1
30			1	
31	ANGLE BRACKET, .5x.5" 1x1 HOLE			1
Inst.CLINGAN Scale: 1:4 Dwg.			No.: 9	

Hour: 12:40

Units: INCHES | Date: 4/18/22

The Ohio State University First Year Engineering irst Year Engineering Drawn Bv: DANIEL RIHM

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Dwg. Title: OMNIBOT (NOT EXPLODED)