

	6		5	4	3	2	1			
D	ITEM NO.		PA	RT	QTY.	MATERIAL/VENDOR				
	1	001-101 - Motor Bracket			1	ALUMINUM 6061-T6				
D	2	001-102 - Frame Wall			1	ALUMINUM 6061-T6	ALUMINUM 6061-T6			
	3	002-10	11 - Motor Plate		1	ALUMINUM 6061-T6				
	4	002-10	2 - Fixed Mold Plate		1	ALUMINUM 6061-T6]		
	5	002-10	3 - Moving Mold Plate		1	ALUMINUM 6061-T6				
	6	002-10	4 - Actuator Plate		1	ALUMINUM 6061-T6				
	7	002-105 - Hopper Bracket			1	ALUMINUM 6061-T6				
	8	002-106 - Extractor Block 002-107 - Blank Mold Cavity 003-101 - Screw Support			1	ALUMINUM 6061-T6				
	9				1	ALUMINUM 6061-T6				
	10				1	ALUMINUM 6061-T6				
	11	003-10	2 - Screw		1	STAINLESS STEEL 3041	L	$\neg C $		
_	12	003-10	3 - Extruder Barrel		1	ALUMINUM 6061-T6				
	13	003-10	4 - Nozzle		1	ALUMINUM 6061-T6				
	14	005-10	1 - Blank Core		1	ALUMINUM 6061-T6				
	15	005-10	2 - Blank Ejector Plate		1	STAINLESS STEEL 3041	L			
	16	SP - Be	aring LMK16UU - Phidget	s LMN4219_0	4	Phidgets Inc.				
	17	SP - M3x5 SHCS - McMaster-Carr 91292A110 SP - M3xM3x8 Standoff - McMaster-Carr 98952A106 SP - M4x10 FHCS - McMaster-Carr 91294A190			20	McMaster-Carr		В		
	18				20	McMaster-Carr				
В	19				4	McMaster-Carr				
	20	SP - M4x12 SHCS - McMaster-Carr 91290A148		32	McMaster-Carr					
	21	SP - M4x20 SHCS - McMaster-Carr 91290A168			4	McMaster-Carr				
	22	SP - M	4x25 SHCS - McMaster-Co	arr 91290A176	4	McMaster-Carr				
	23	SP - M4x6 CPSS - McMaster-Carr 91390A112			4	McMaster-Carr		_		
	24	SP - M6 TNUT - Phidgets TSL4203_0			33	Phidgets Inc.				
	25	SP - M6 Thermocouple - Amazon DLM-B0711DRCVG		1	Amazon	Amazon				
	26	SP - M6x10 CPSS - McMaster-Carr 91390A128		8	McMaster-Carr	McMaster-Carr				
٨	27	SP - M6x14 BHCS - McMaster-Carr 91239A319		35	McMaster-Carr	McMaster-Carr				
A	28	SP - M6x15 FHCS - McMaster-Carr 92125A111		6	McMaster-Carr		Α			
	29	SP - M6x40 DWL - McMaster-Carr 91585A692			4	McMaster-Carr				
	30	SP - M6x8 SPSS - McMaster-Carr 94085A127		4	McMaster-Carr	©GREG ESAU 2019	_			
	6		5	4	3	2	1			

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D	ITEM NO.	PART	QTY.	MATERIAL/VENDOR	
	31	SP - N23 Actuator - Haydon-Kerk 57M43-3_25-910	1	Haydon-Kerk Phidgets Inc. Phidgets Inc. Phidgets Inc. Phidgets Inc.	
	32	SP - NEMA34 Motor - Phidgets 3335_0	1		
	33	SP - Phidgets HUB0000_0	1		
	34	SP - Phidgets REL1100_0	1		
	35	SP - Phidgets STC1000_0	2		
	36	SP - Phidgets TMP1101_0	1	Phidgets Inc.	
	37	SP - 16TxHTD5 Pulley - Phidgets TRM4125_0	1	Phidgets Inc.	
-	38	SP - 16x295mm Rail - Phidgets LMN4002_0	4	Phidgets Inc.	
	39	SP - 18x25x6 Wave Spring - McMaster-Carr 1561T430	1	McMaster-Carr	
C	40	SP - 24V PSU - Phidgets PSU4016_0	1	Phidgets Inc.	
	41	SP - 3030 Extrusion Bracket - McMaster-Carr 5537T659	4	McMaster-Carr	
	42	SP - 3030x200mm Extrusion - Phidgets TSL4002_0	2	McMaster-Carr	
	43	SP - 3030x225mm Extrusion - Phidgets TSL4002_0	2	McMaster-Carr	
	44	SP - 3030x265mm Extrusion - Phidgets TSL4002_0	1	McMaster-Carr	
В -	45	SP - 3030x295mm Extrusion - Phidgets TSL4002_0	1	McMaster-Carr	
	46	SP - 34TxHTD5 Pulley - Phidgets TRM4122_0	1	Phidgets Inc.	
	47	SP - 3_4 Bearing - McMaster-Carr 5709K770	2	McMaster-Carr	
	48	SP - 3_4-16 NUTT - McMaster Carr 91847A555	1	McMaster-Carr	
	49	SP - 6x20 Heater - Amazon 258RK-3-U5	3	Amazon	
	NOTE:				

-VENDOR PART NUMBERS ARE INCLUDED AT THE END OF THE PART NAME -THIS PACKAGE DEALS MOSTLY WITH MECHANICAL COMPONENTS. I MAY PUBLISH WIRING DIAGRAMS SEPARATELY, HOWEVER I WILL NOT SPEC SPECIFIC WIRING COMPONENTS.

ITEM	PART NUMBER	VENDOR	QUANTITY	
VINT CABLE	3004_0	PHIDGETS INC	4	
ASSORTED WIRE	-	-	-	
POWER ENTRY CONNECTOR*	-	-	-	
POWER CABLE*	-	-	-	

^{*} I PURPOSELY OMITTED POWER COMPONENTS DUE TO VARYING REGIONAL STANDARDS AND LIABILITY

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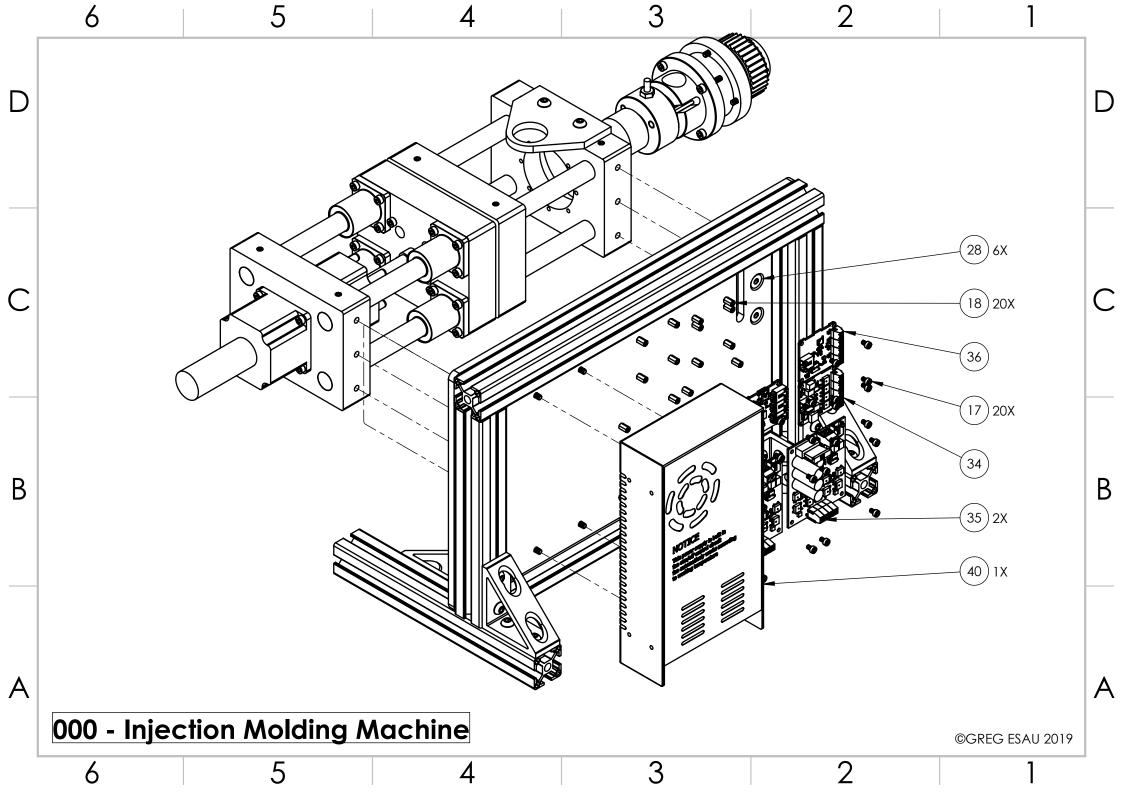
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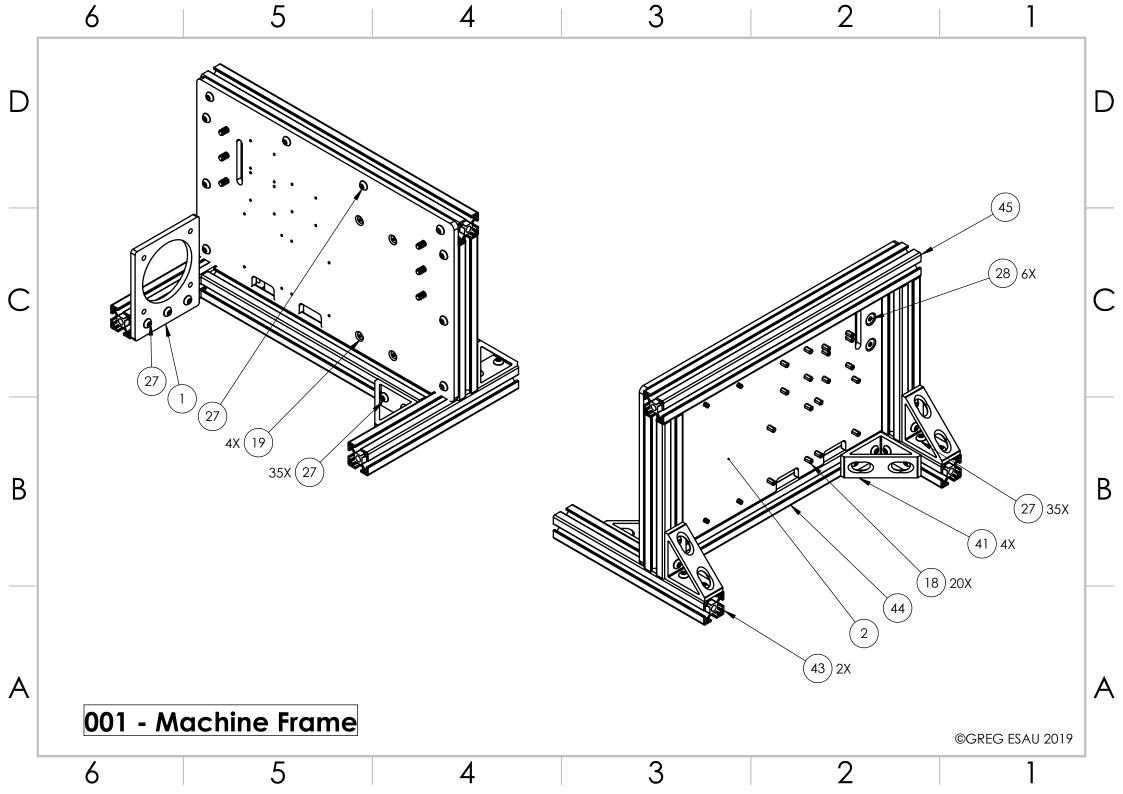
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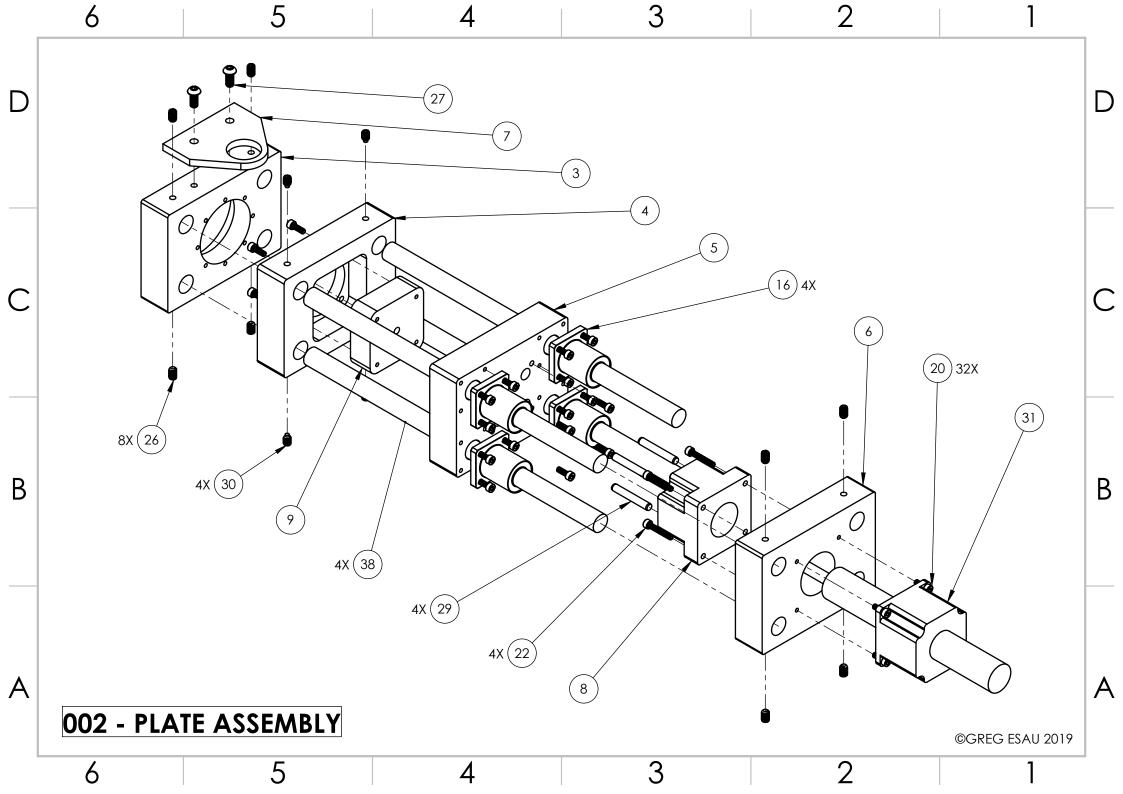
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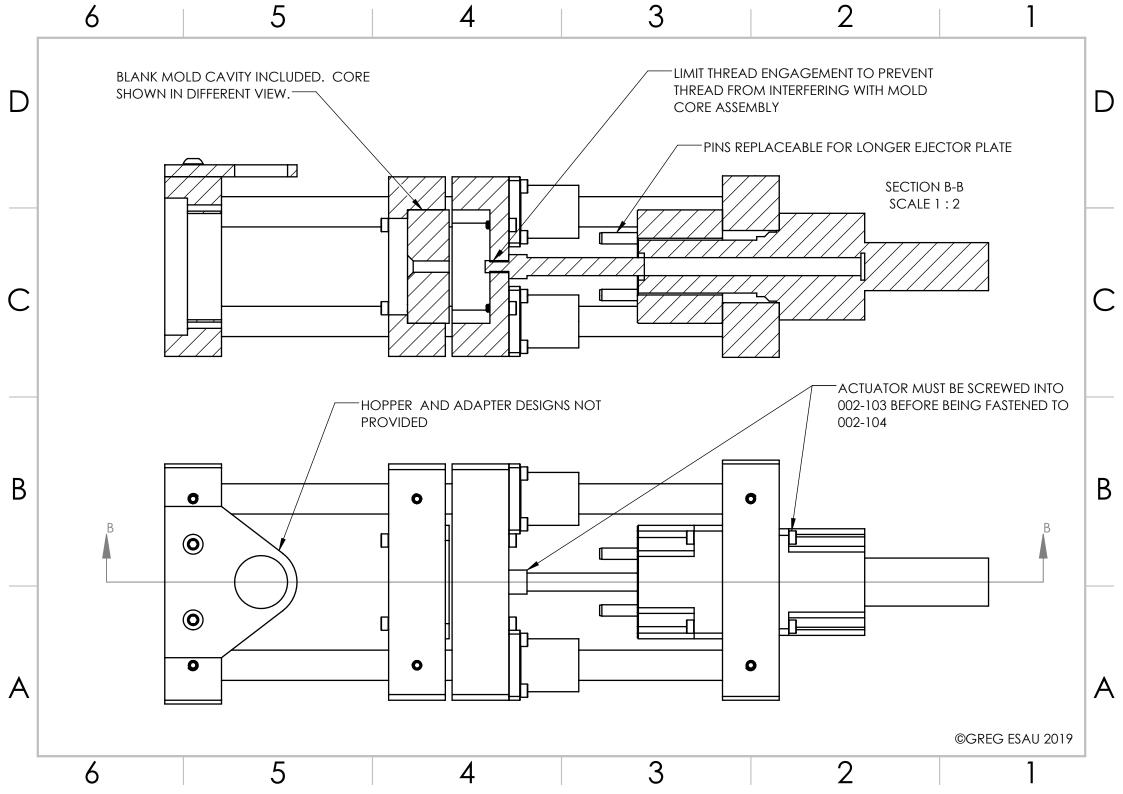
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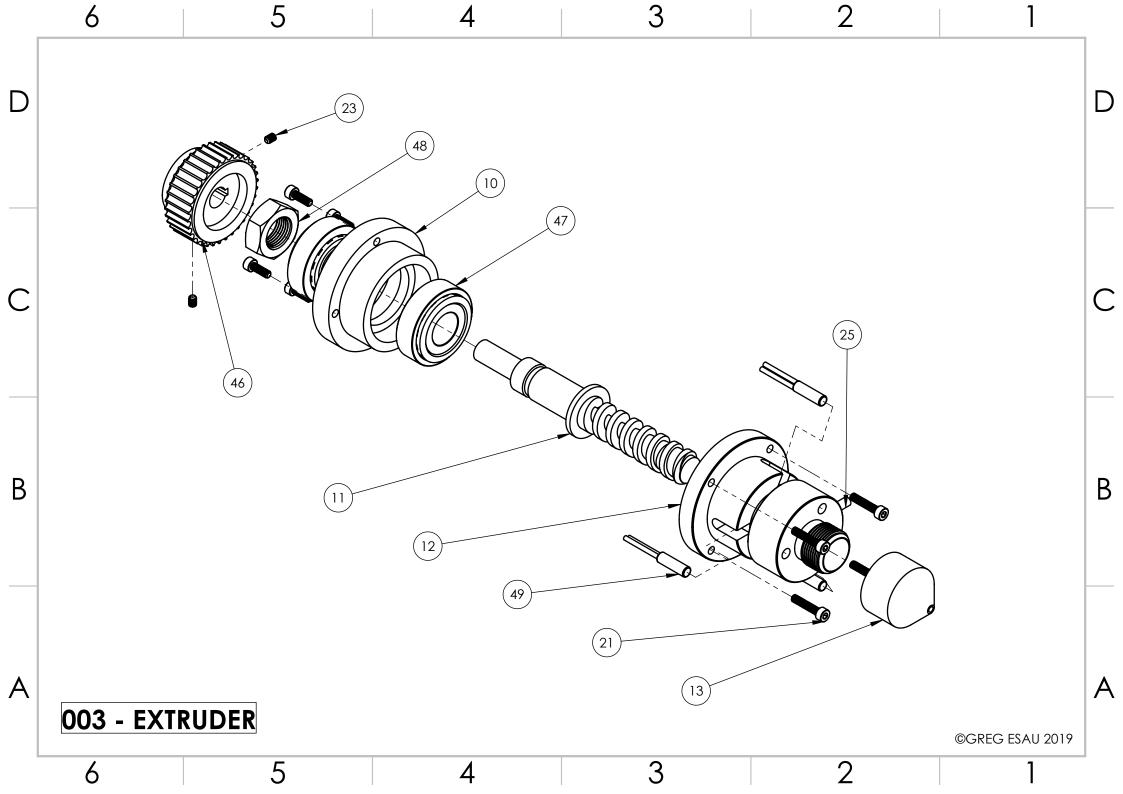
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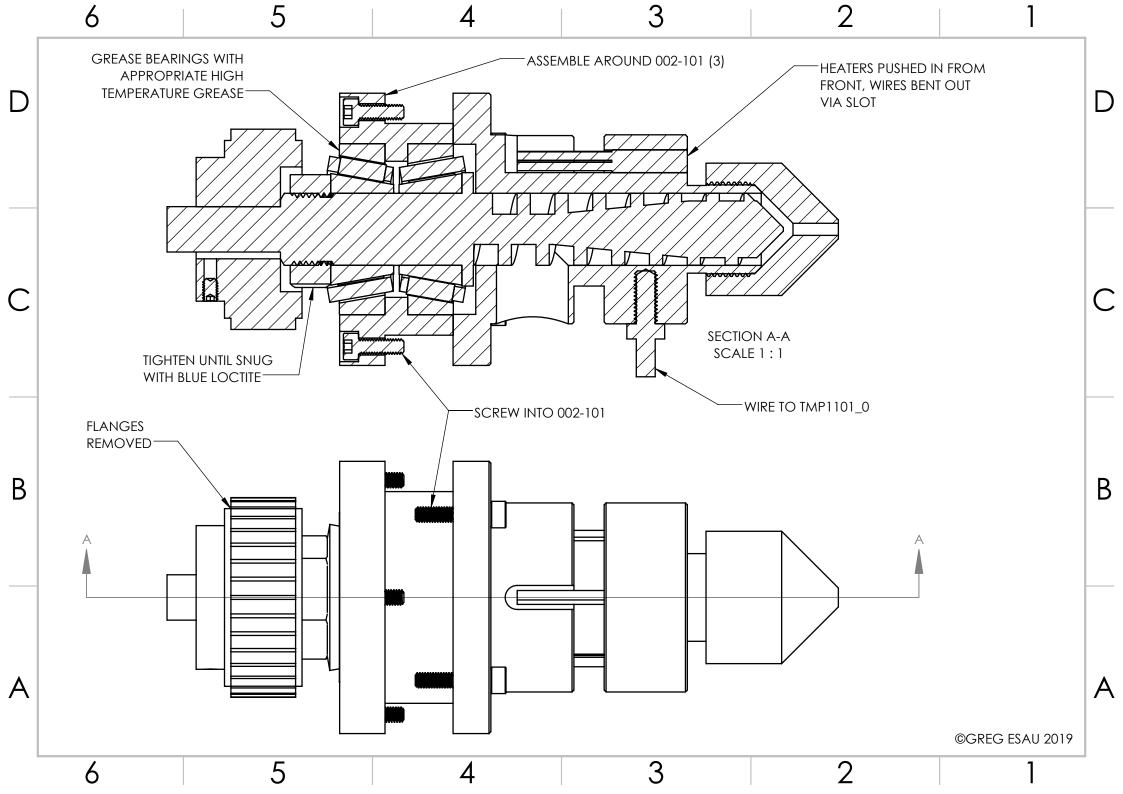


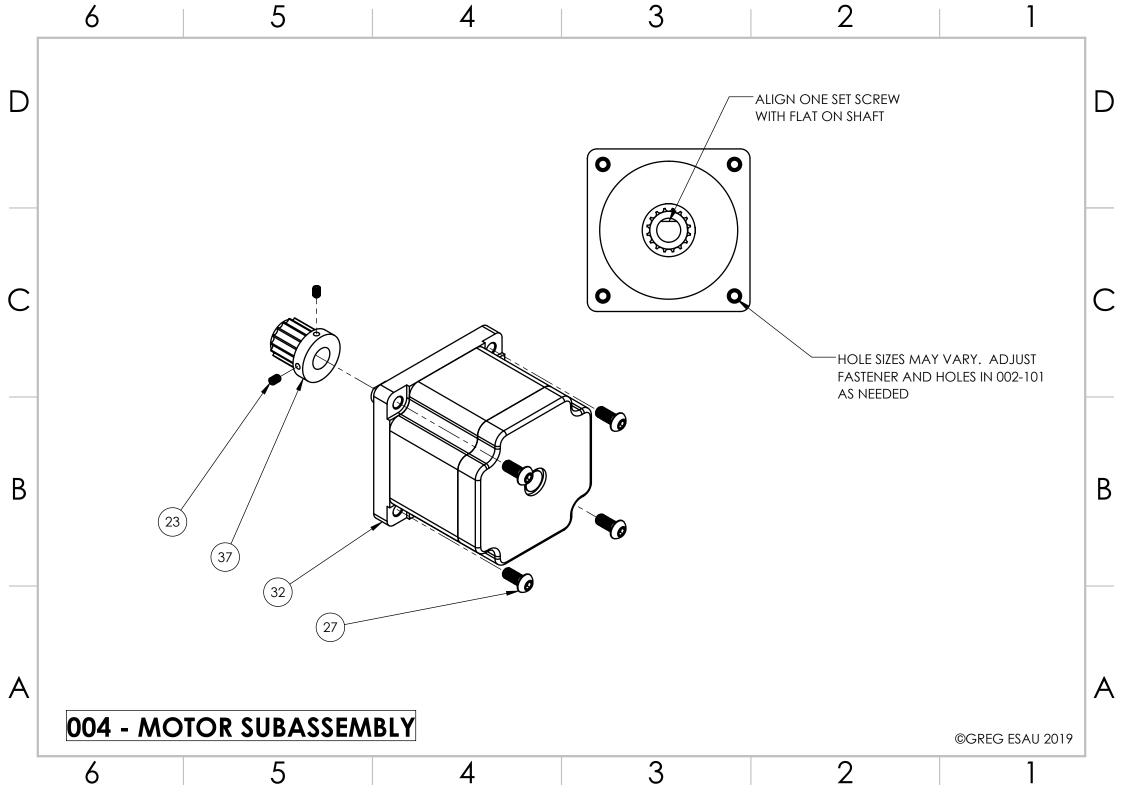


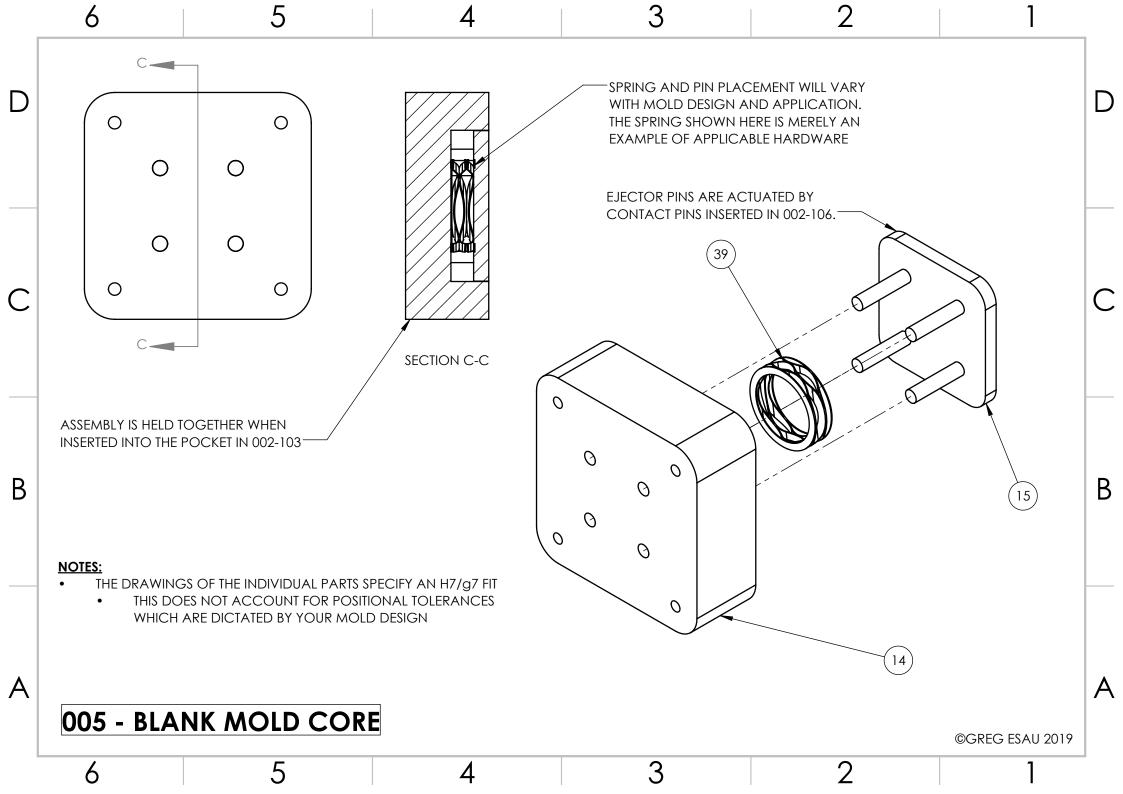


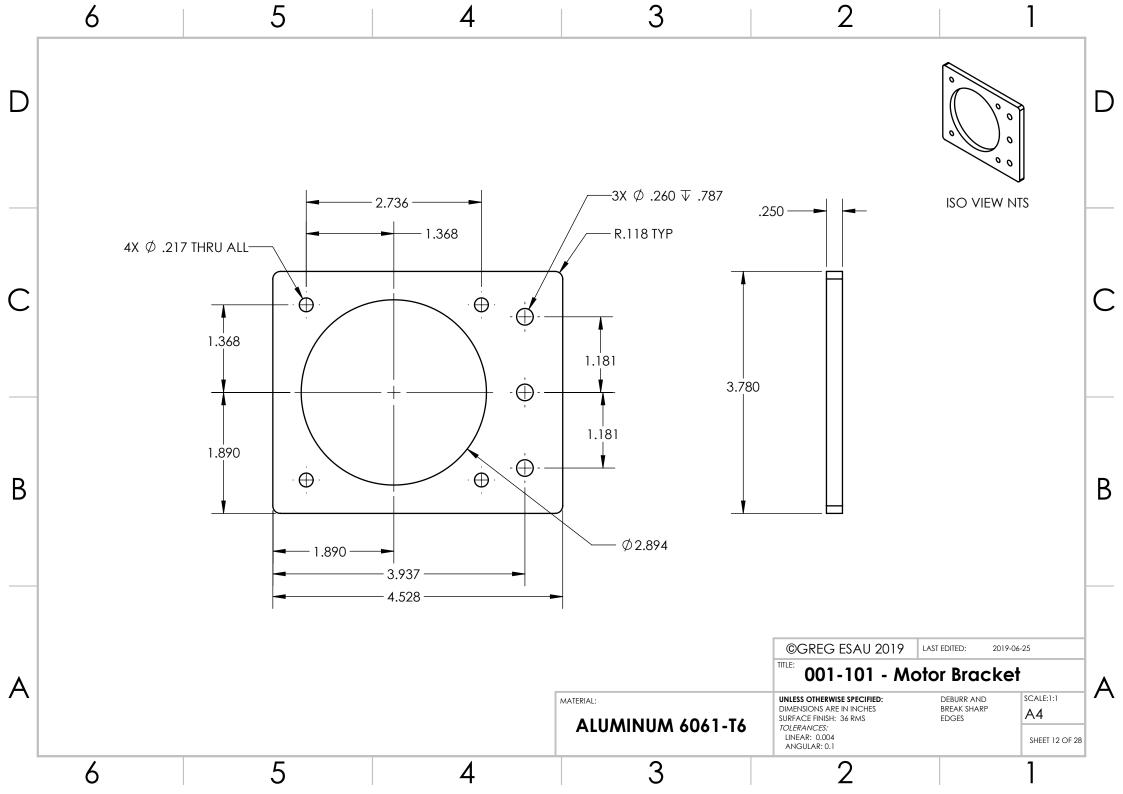


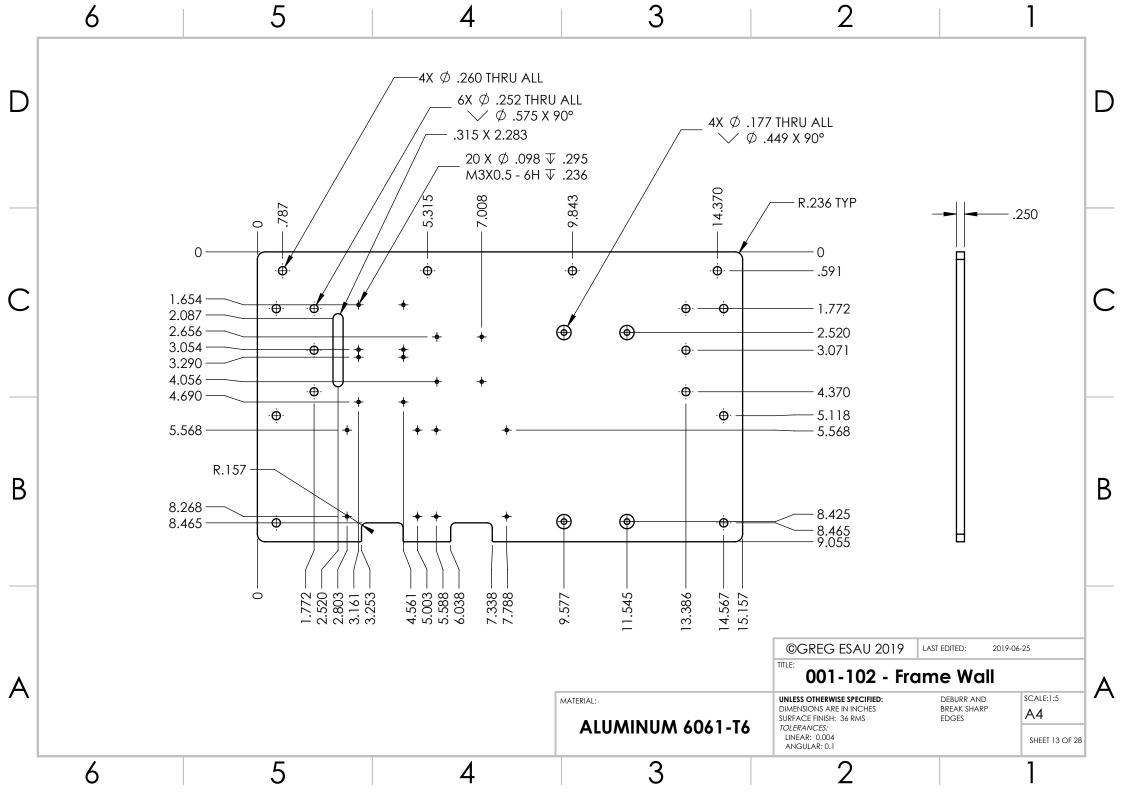


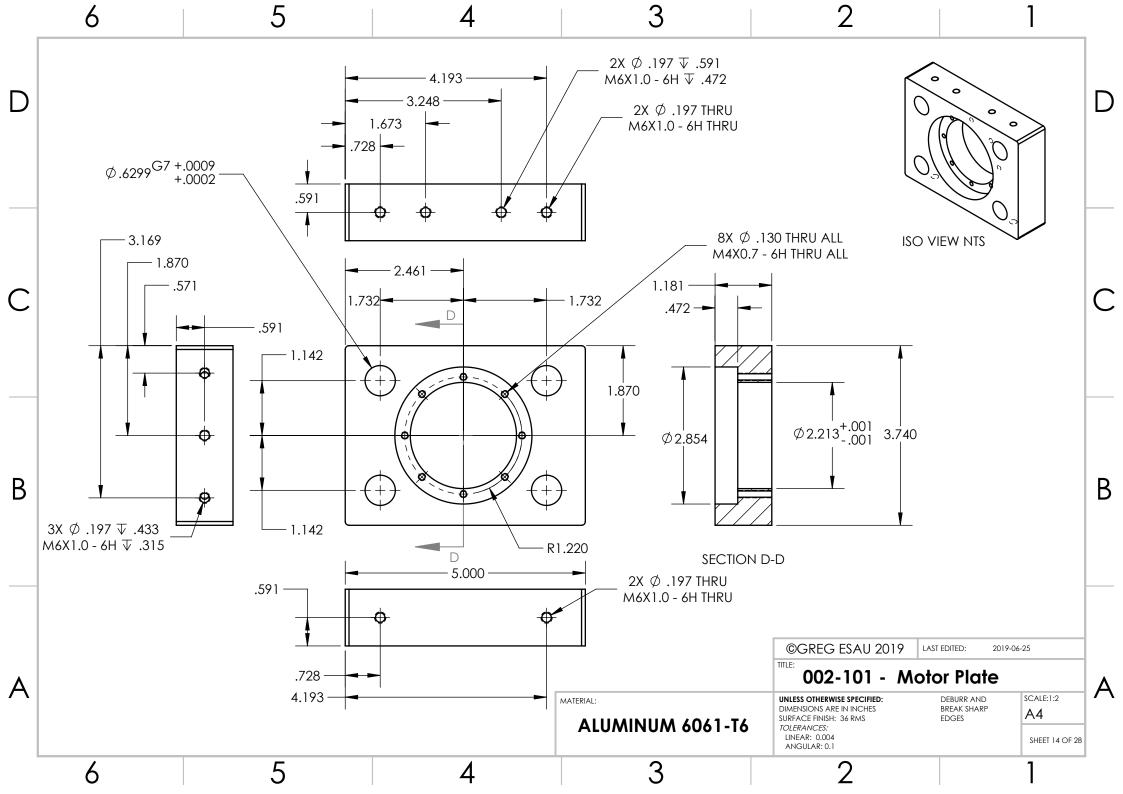


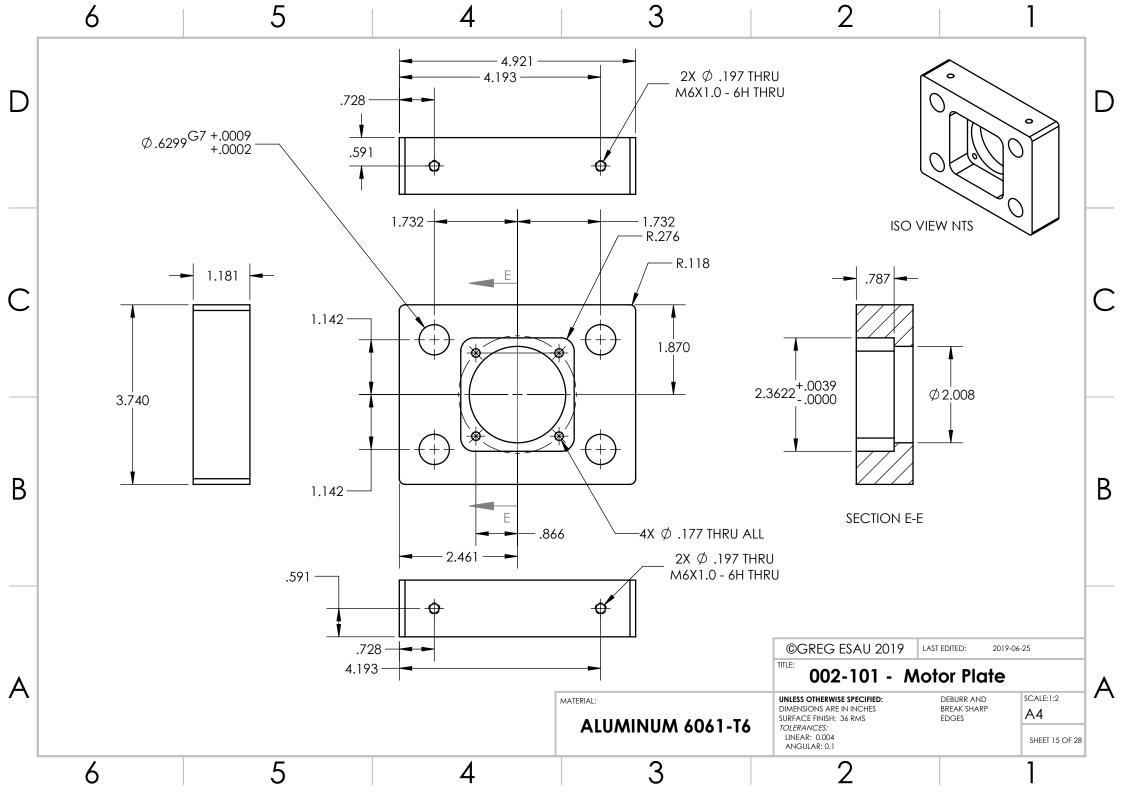


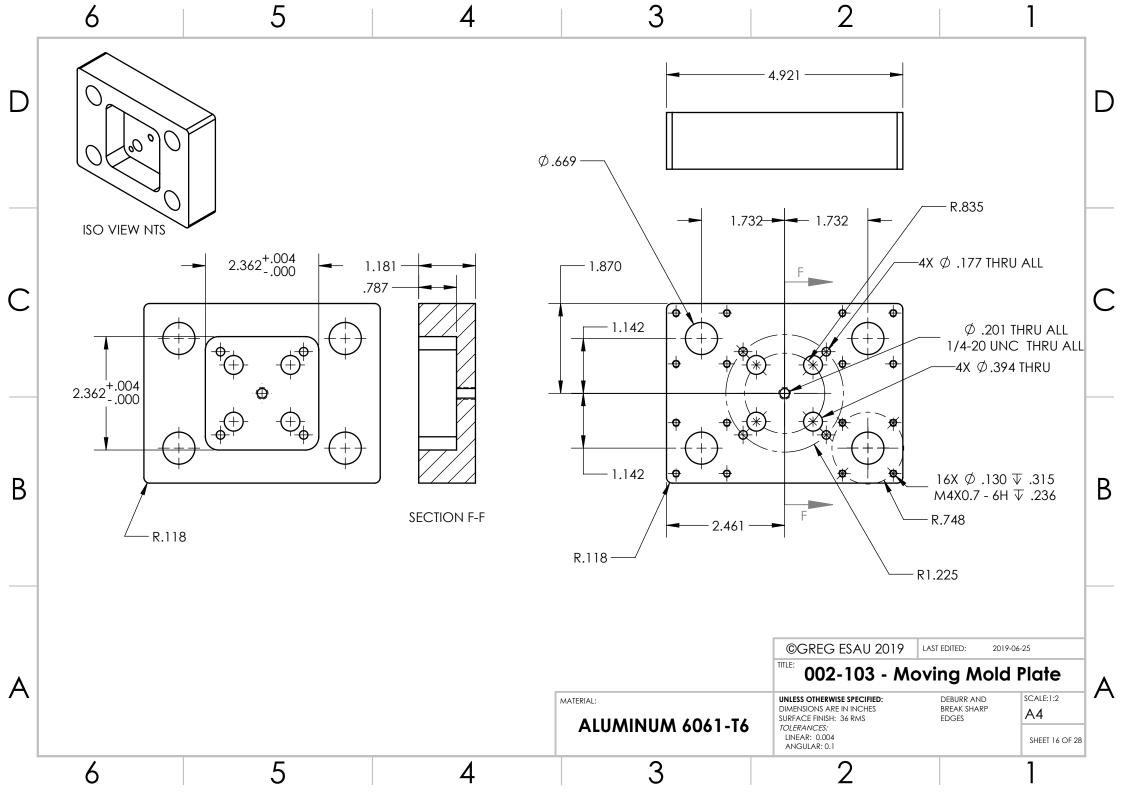


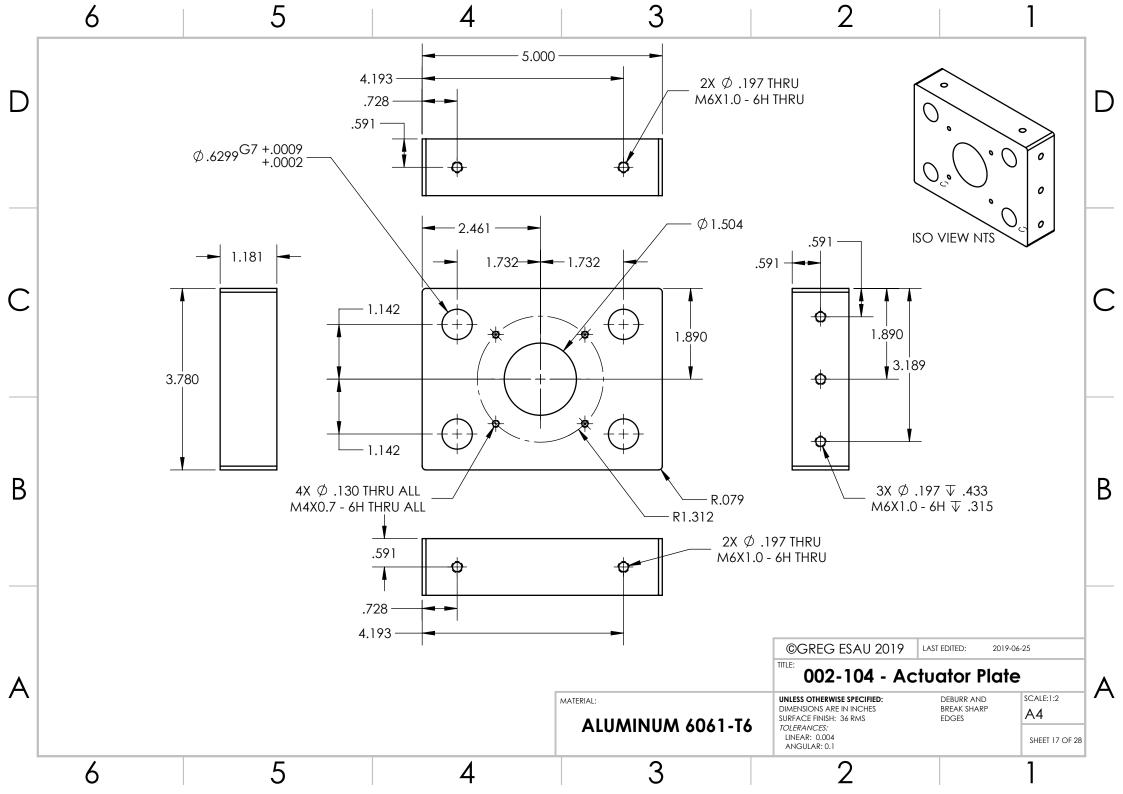


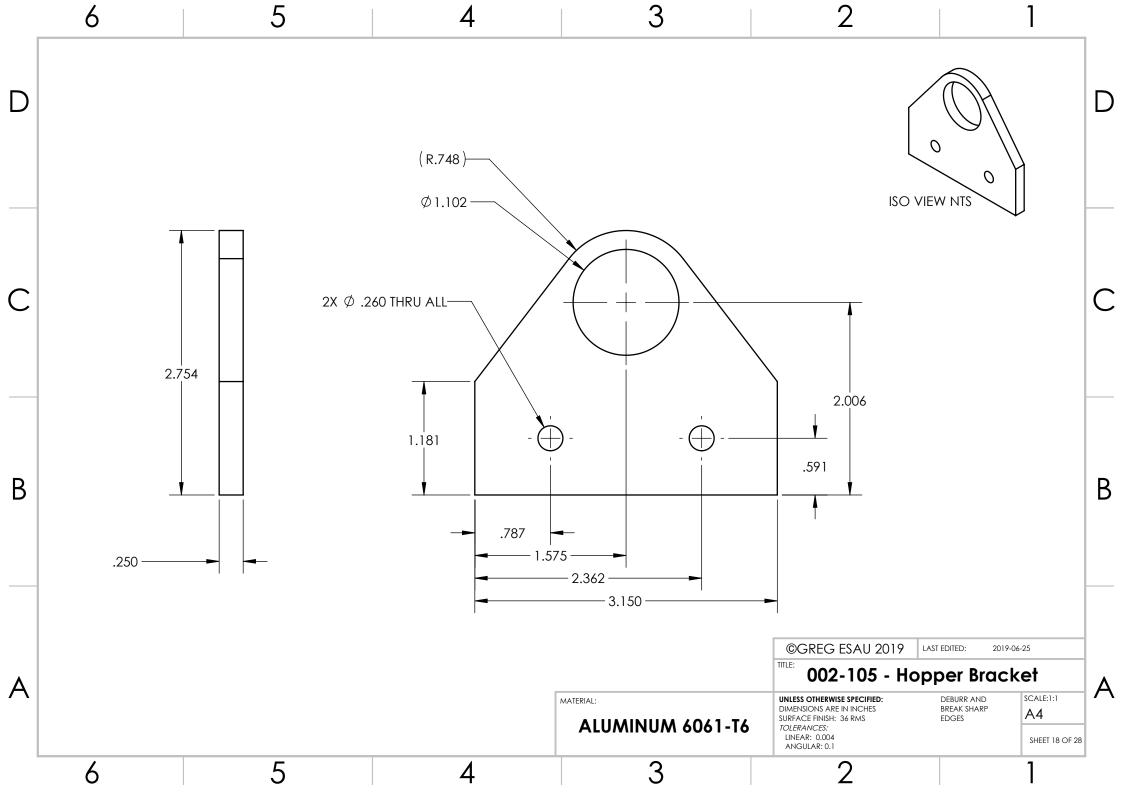


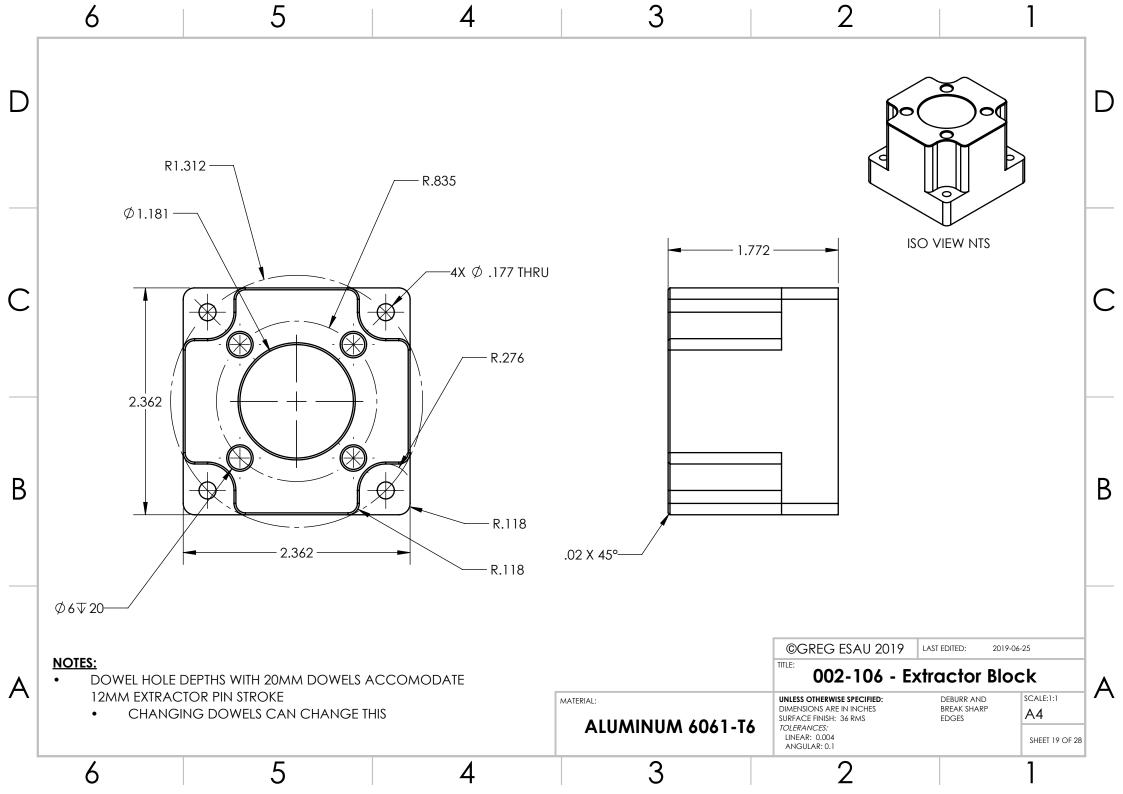


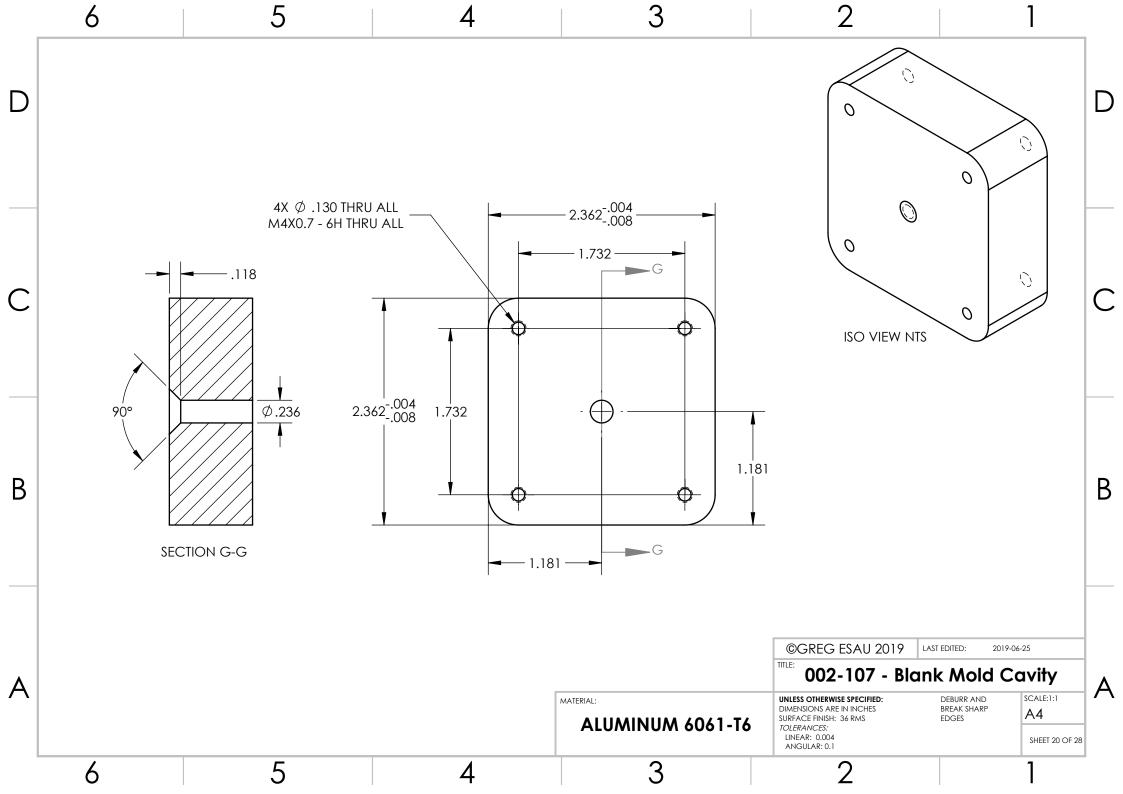


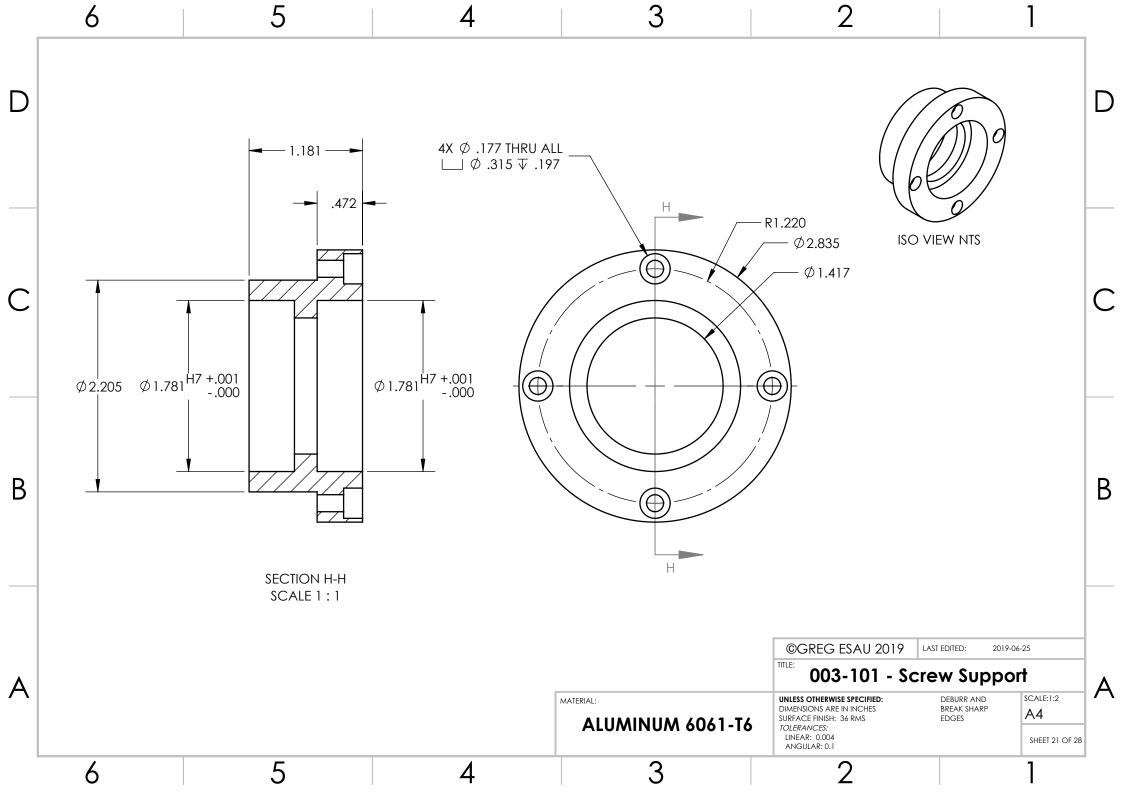


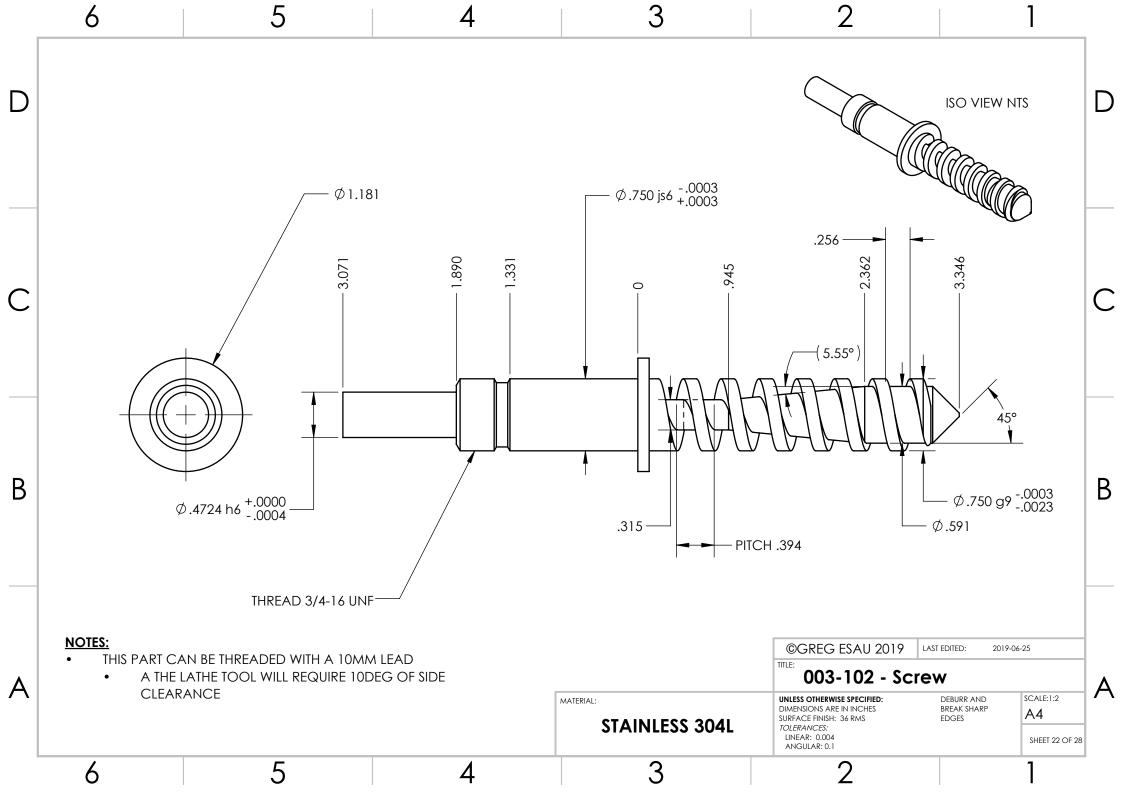


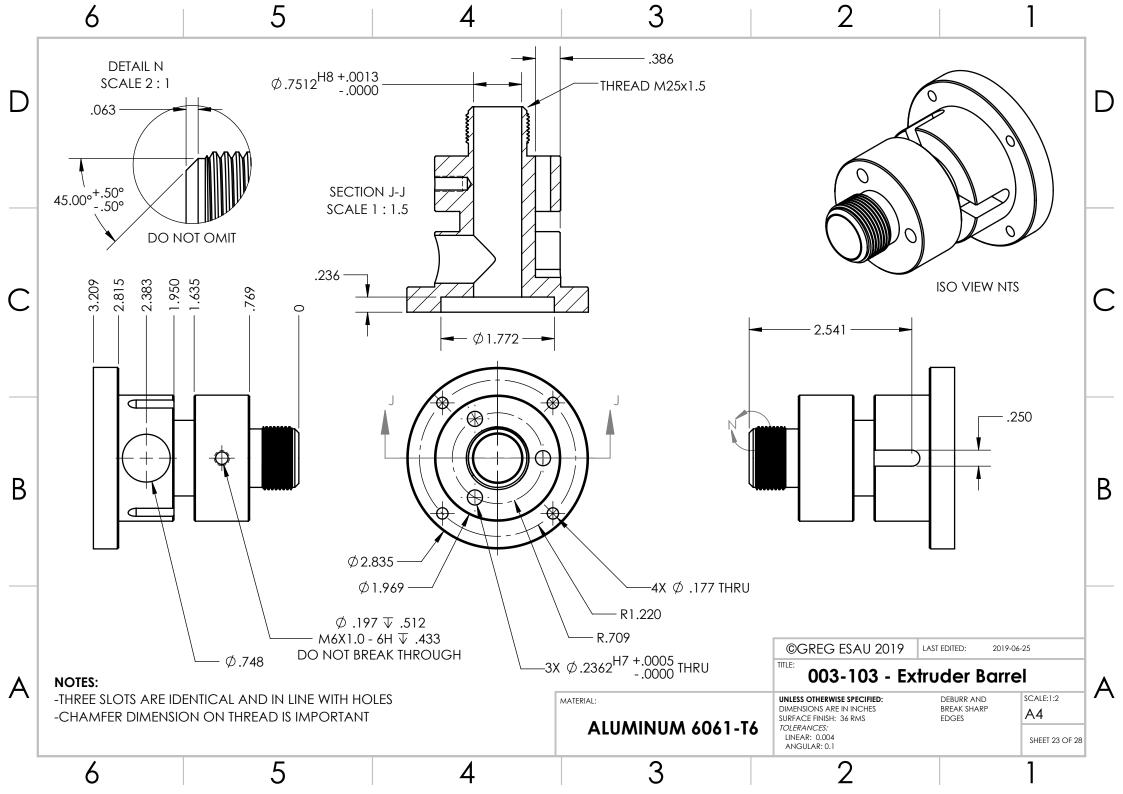


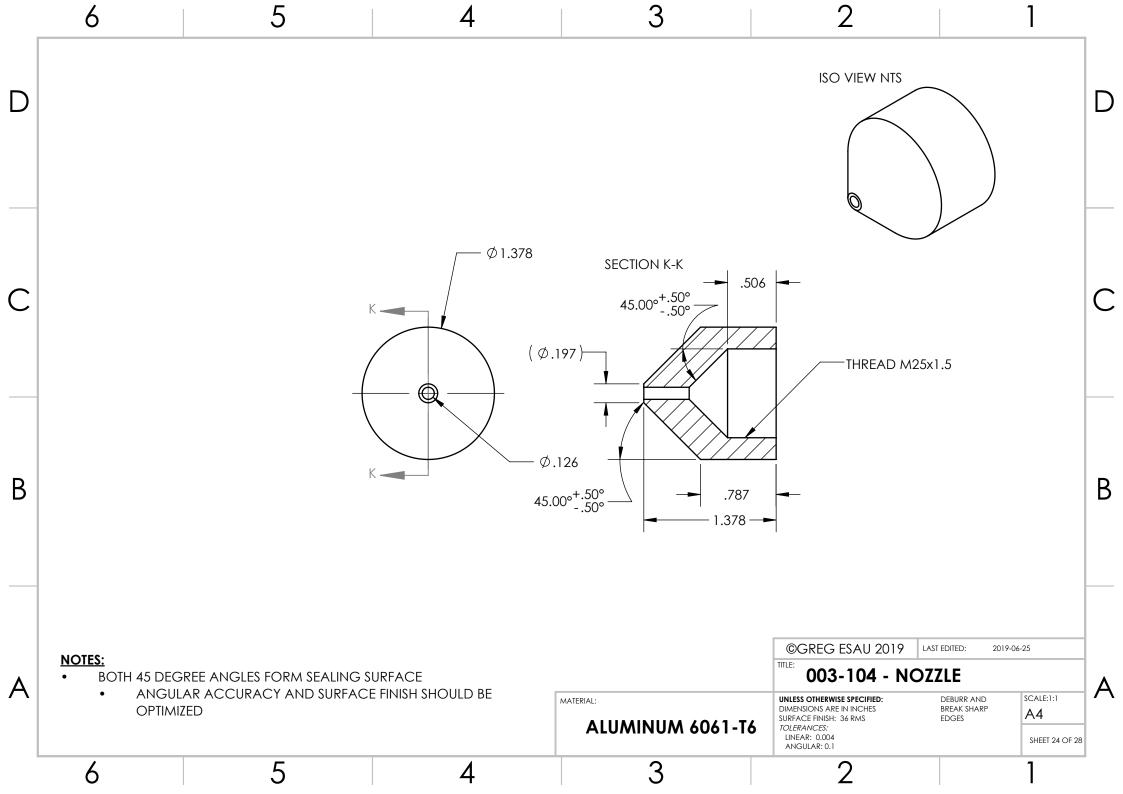


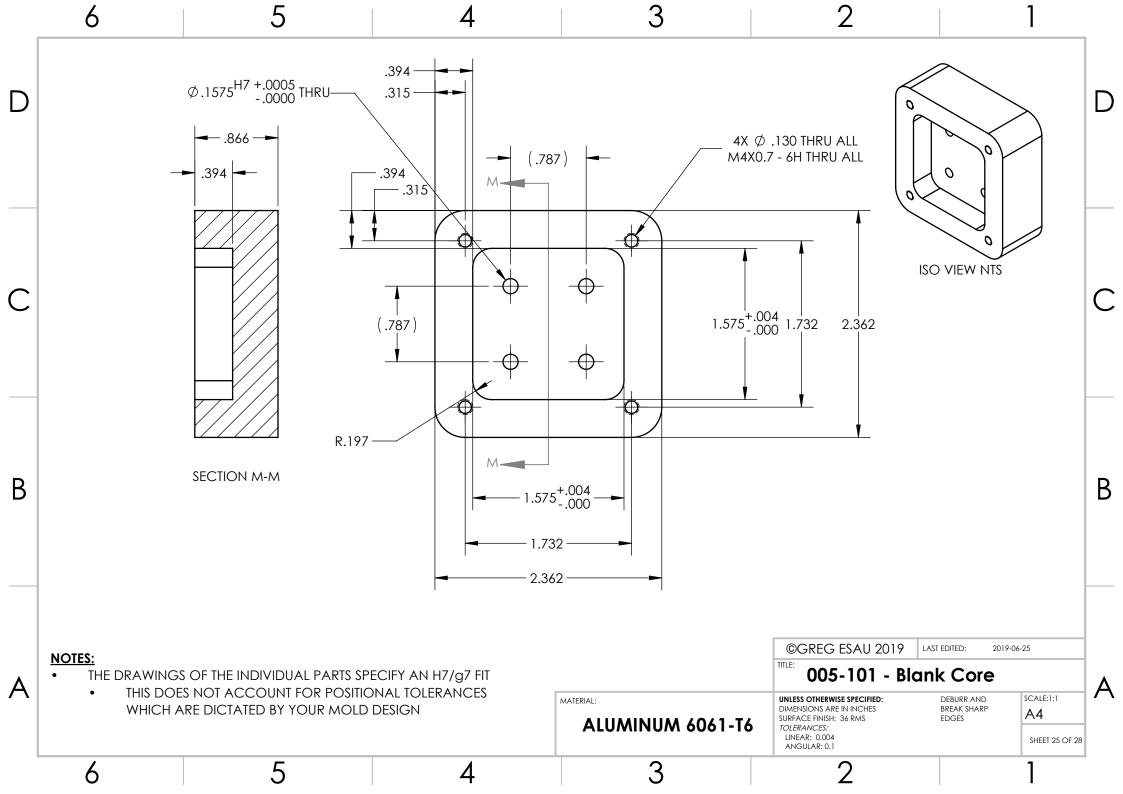


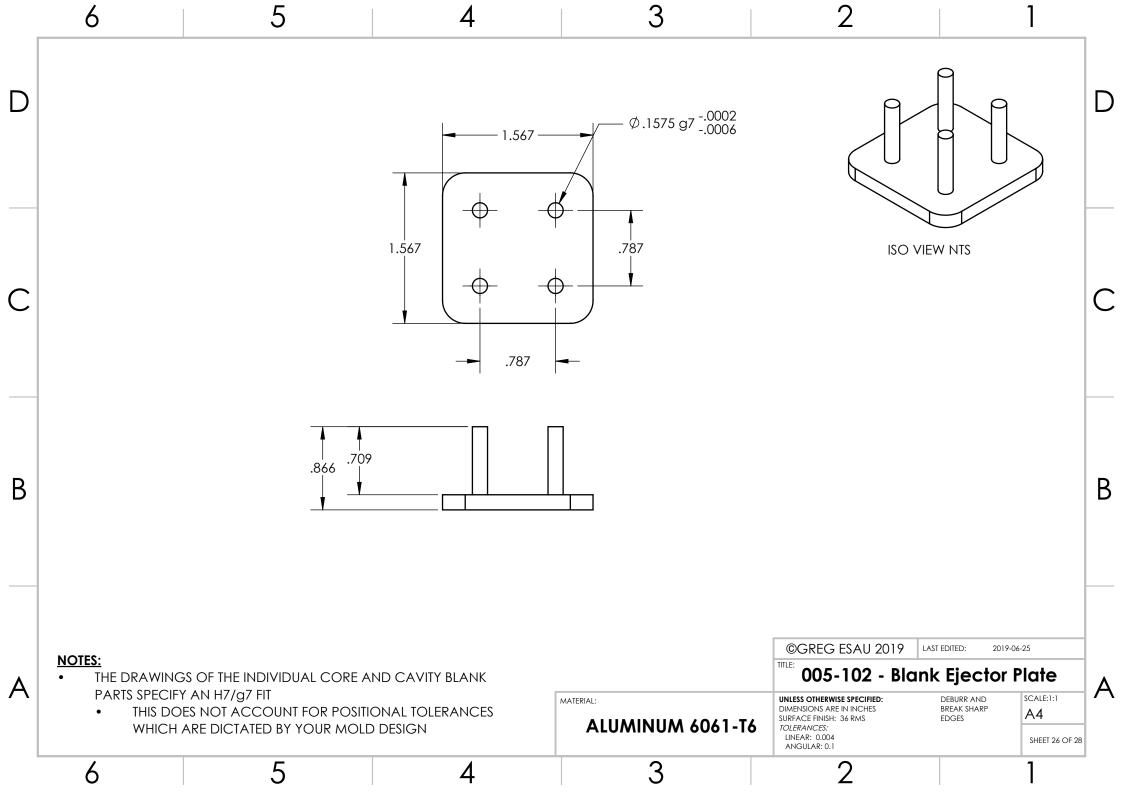


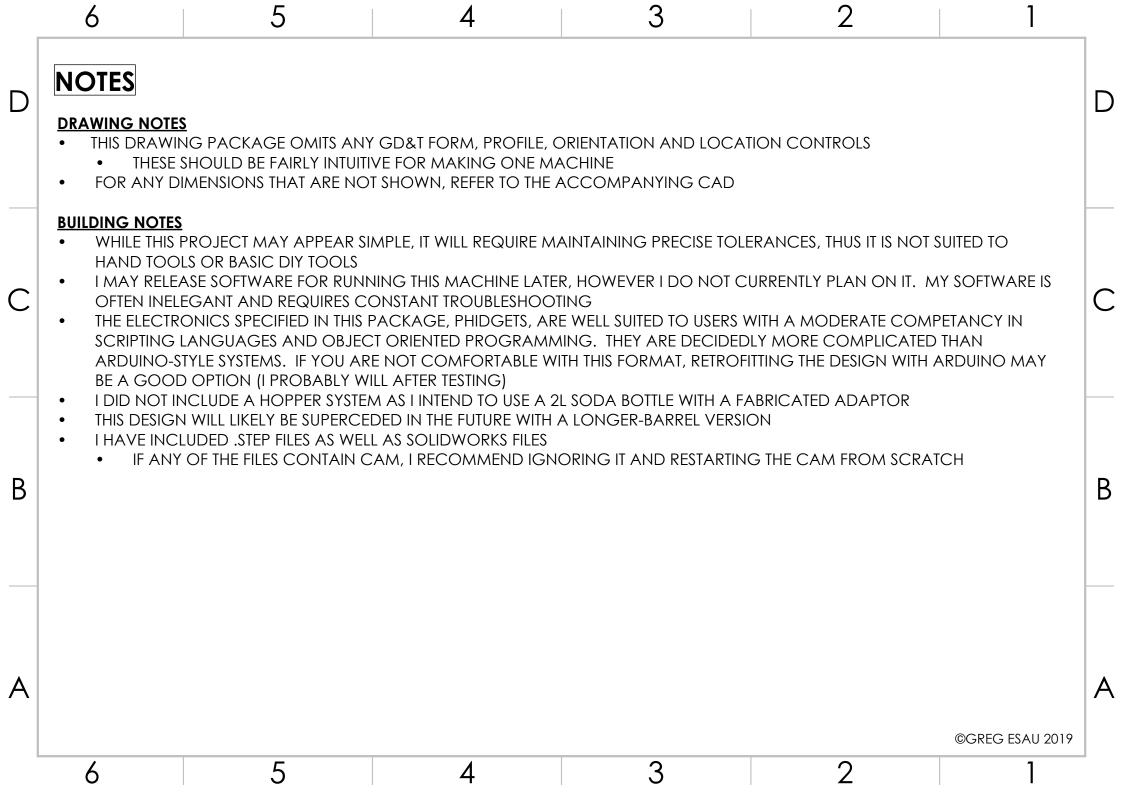












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	-This project for me to m	ake projects like these	y appreciation for my Poulations about the streng		·		
-	-These will	·	ials used, hardening con	dition, and cut paramet	ers		
	INTELLECTUAL PROPERTY AND COPYRIGHT -This device was designed and produced entirely by me -There are no active patents in this device -Some CAD files were acquired legally from the McMaster-Carr website and included in this model as a demonstration of compatible hardware offered by McMaster-Carr -This model and drawing package were created on a legal copy of SolidWorks						(
			ACKAGE AND/OR THE INC	. ,	GREE THAT:		
1) I, the designer, hold no responsibility for injuries sustained with this device 2) I hold no responsibility for legal reprecussions caused by production or possession of this device 3) I hold no responsibility for objects that get damaged in the production or use of this device 4) You, the donator, will not redistribute in whole or in part any of the information in this drawing package or the included solid models in any format 5) You, the donator, are free to make this device for yourself or for gifts, but you are not entitled to produce this device for commercial gain without my expressed permission. 6) While I will try my best to help where possible, I reserve the right to discontinue maintenance on this drawing and to provide no further assistance 7) I reserve the right to withdraw the availability of this drawing package or the models 8) I reserve the right to make this drawing package or models available on other platforms 9) You, the donator, are entitled to modify this design as you see fit, however modifications based on this original document or models remain subject to terms 1, 2, 3 and 4.						[
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