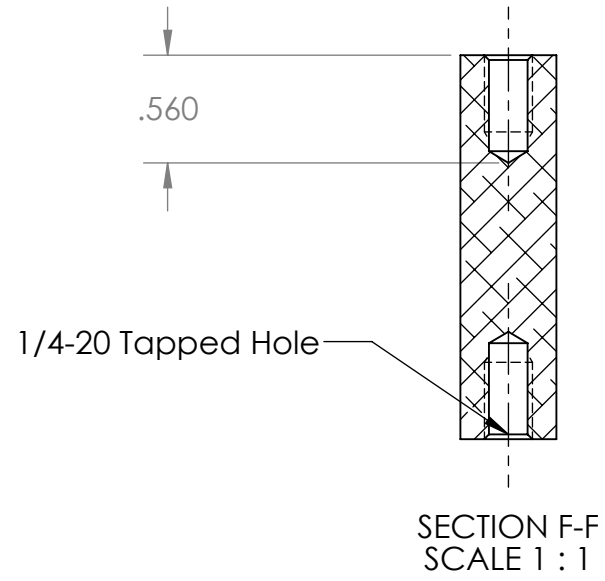
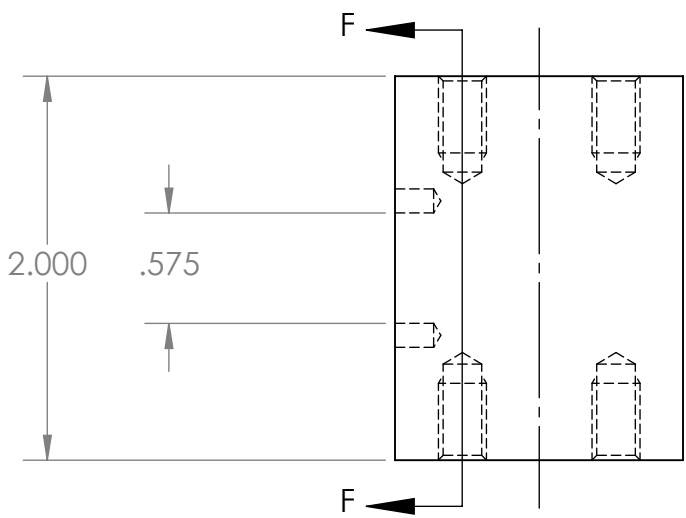


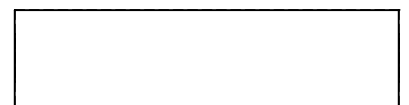
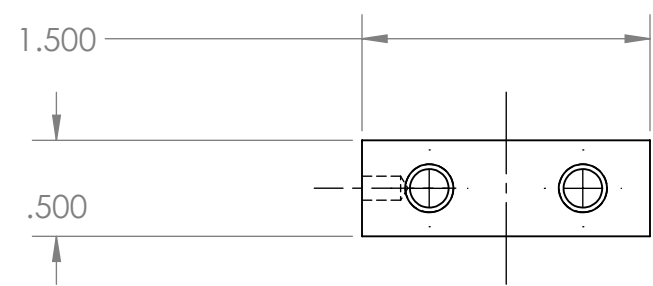
B

B



A

A



SAMPLE FABRICATION/ASSEMBLY PROCESS	
STOCK DESC/DIMS	6063 Aluminium Bar 1/2" x 1" x 4'
1. cut aluminum bar to 2" length with band saw 2. mill sides to legth of 1.5" 3. mark and centerpunch holes 4. drill hole for 1/4-20 thread with #7 drill 5. drill 1/8" holes 6. cut 1/4-20 thread	

DRAWN BY Aditya Patwardhan		DATE 12/5/2019		STOCK VENDOR INFO: McMaster Carr 89755k11	
APPROVALS:					
AU EMAIL		SINGNATURE		UNLESS OTHERWISE SPECIFIED: Careless Broncos DIMENSIONS ARE IN INCHES ANGLES ARE IN DEGREES 3rd Angle Projection	
				MATERIAL: 6063-T5	
				TITLE/DESC: Connection Rear Suspension	
				FILE NAME: Connection Rear Suspension	
				DWG. #: P-020      REV #: B	
				SCALE: 1:1      SIZE <b>B</b> SHEET 1 OF 1	
				TOLERANCES: ANGULAR ± 1° FRACTIONAL ± 1/8" ONE PLACE DECIMAL ± 0.1" TWO PLACE DECIMAL ± 0.05" THREE PLACE DECIMAL ± 0.005"	

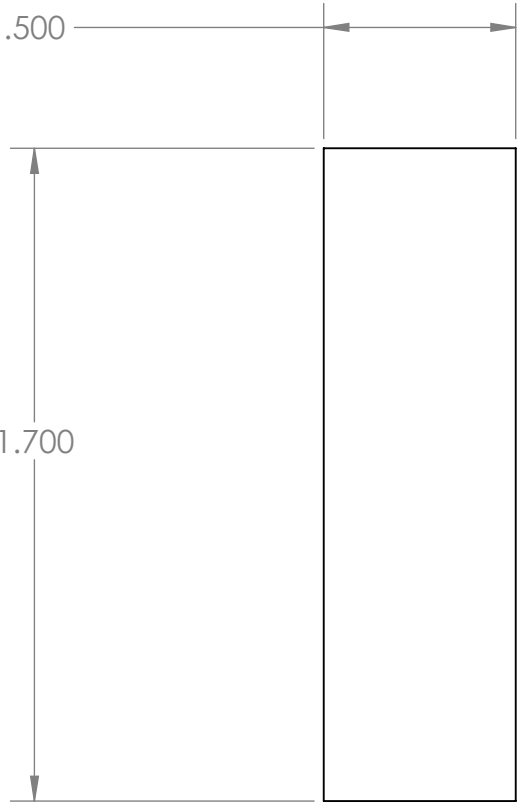
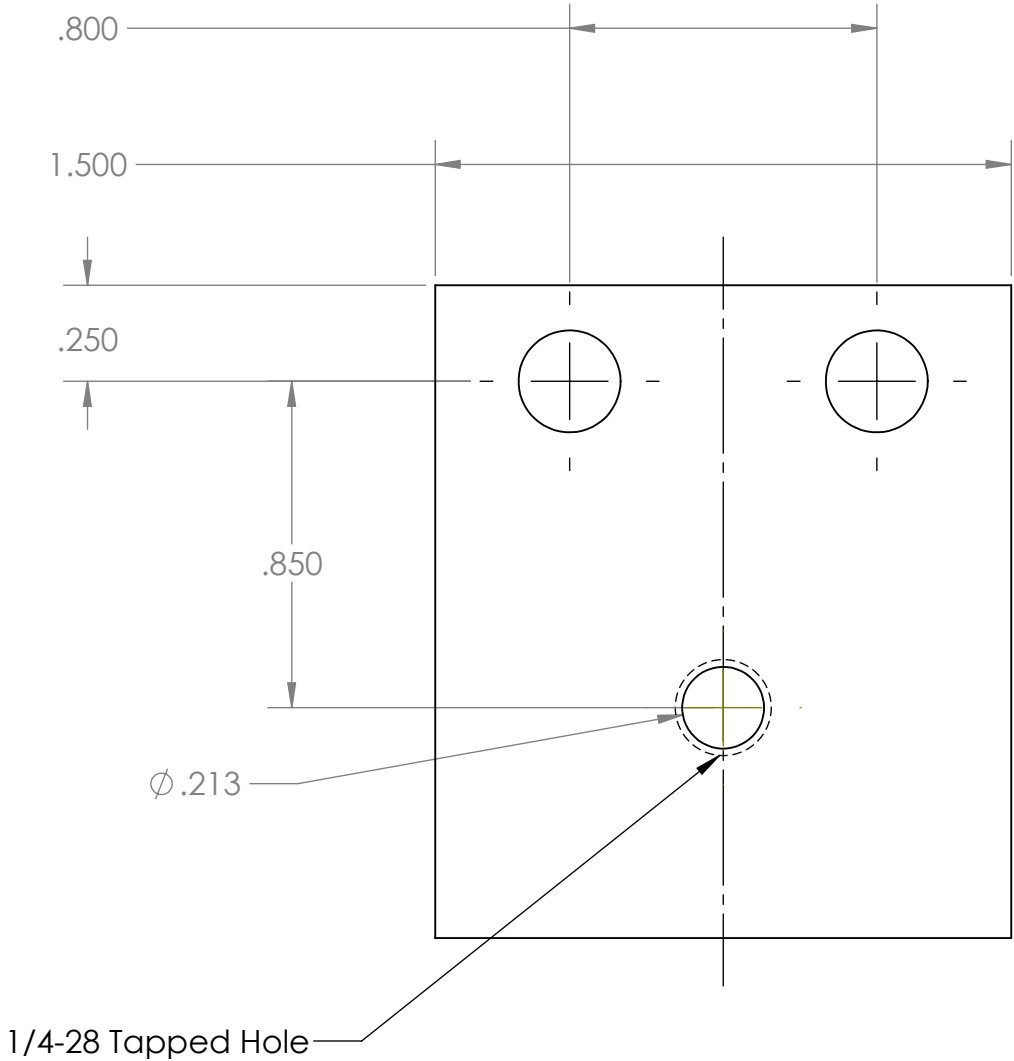
B

A

B

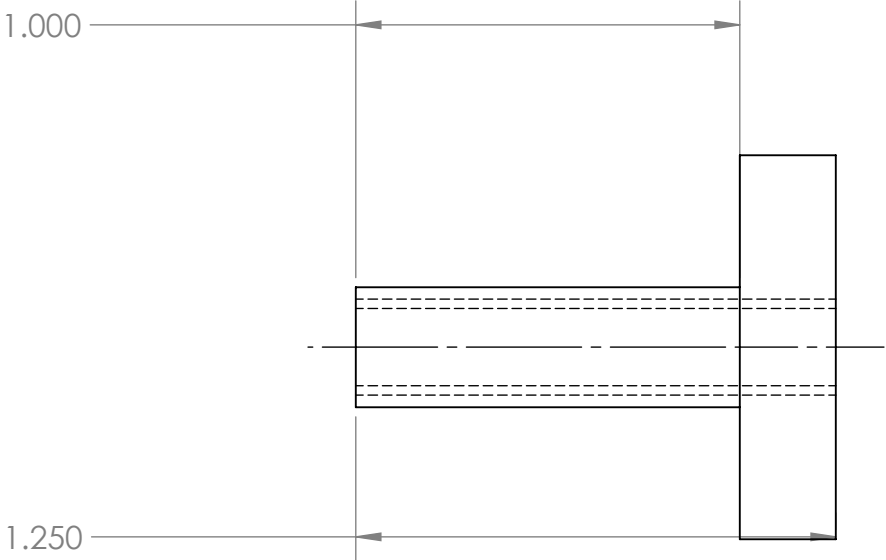
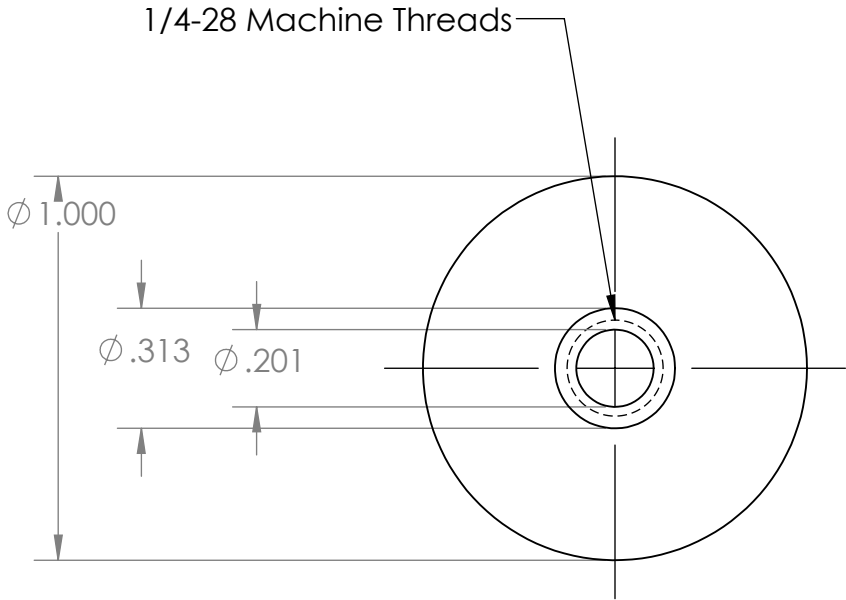
A

SAMPLE FABRICATION/ASSEMBLY PROCESS	
STOCK DESC/DIMS	Architectural 6063 Aluminum Bar 1/2" Thick, 2" Wide
1. Mill the 2" wide bar to 1.70" wide. 2. Drill and thread the 1/4-20 holes at given location. 3. Drill the two 17/64 holes at given location.	



DRAWN BY Aditya Patwardhan	DATE 12/5/2019	STOCK VENDOR INFO: McMaster Carr 89755K14	
APPROVALS:		CARELESS BRONCOS	
AU EMAIL	SIGNATURE	MATERIAL: 6063-T5	
		TITLE/DESC: Rear Suspension	
		FILE NAME: suspension rear	
		DWG. #: P-021	REV #: B
		SCALE: 2:1	SHEET 1 OF 1
		SIZE B	
		TOLERANCES:	
		ANGULAR ± 1°	
		FRACTIONAL ± 1/8"	
		ONE PLACE DECIMAL ± 0.1"	
		TWO PLACE DECIMAL ± 0.05"	
		THREE PLACE DECIMAL ± 0.005"	

SAMPLE FABRICATION/ASSEMBLY PROCESS	
STOCK DESC/DIMS	Low-Carbon Steel Rod 1" Diameter
1.	Off the 1' steel rod, cut two parts 1.5" each for both muffles
2.	Lathe one end down to given dimensions.
3.	Drill and tap 1/4-20" holes in the center of both rods.



DRAWN BY Aditya Patwardhan	DATE 12/5/2019	STOCK VENDOR INFO: McMaster Carr 8920K231	
APPROVALS:		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES ANGLES ARE IN DEGREES 3rd Angle Projection	
AU EMAIL	SIGNATURE	Careless Broncos	
		MATERIAL: ABS	
		TITLE/DESC: Muffle rear wheels	
		FILE NAME: muffle rear wheels	
		DWG. #: P-022	REV #: B
		SCALE: 2:1	SHEET 1 OF 1
		SIZE B	

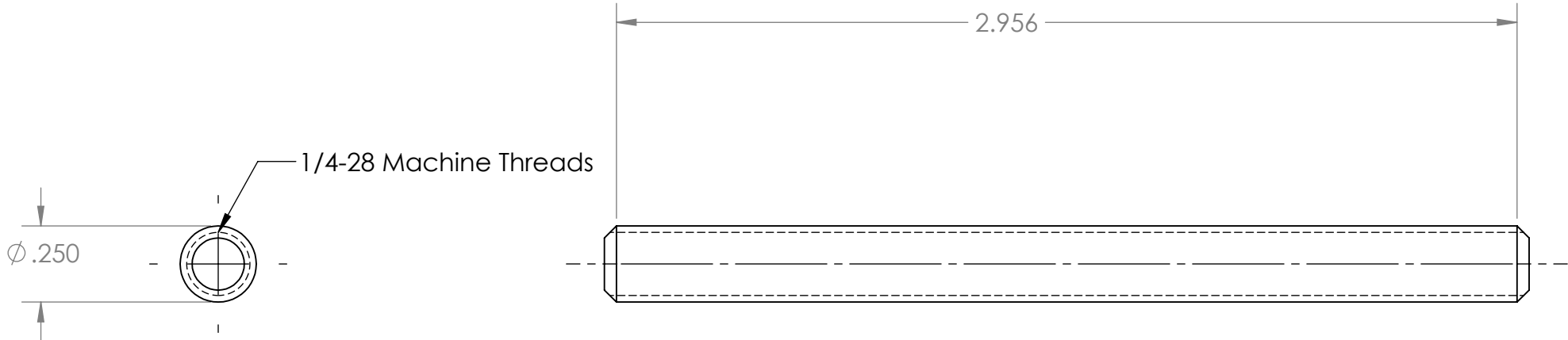
4

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1

SAMPLE FABRICATION/ASSEMBLY PROCESS	
STOCK DESC/DIMS	Threaded Rod 1/4-20 x 3'
1.	Cut threaded rod to a length of 3.366
2.	Chamfer the edges with a belt grinder



DRAWN BY Aditya Patwardhan	DATE 12/5/2019	STOCK VENDOR INFO: McMaster-Carr 3313N11	
APPROVALS:		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES ANGLES ARE IN DEGREES 3rd Angle Projection	
AU EMAIL	SIGNATURE	Careless Broncos	
		MATERIAL: AISI 1020	
		TITLE/DESC: Threaded Axle	
		TOLERANCES: ANGULAR $\pm 1^\circ$ FRACTIONAL $\pm 1/8"$ ONE PLACE DECIMAL $\pm 0.1"$ TWO PLACE DECIMAL $\pm 0.05"$ THREE PLACE DECIMAL $\pm 0.005"$	
		FILE NAME:	threaded axle rear right
		DWG. #:	P-023
		REV #:	B
		SCALE: 2:1	SIZE B
		SHEET 1 OF 1	

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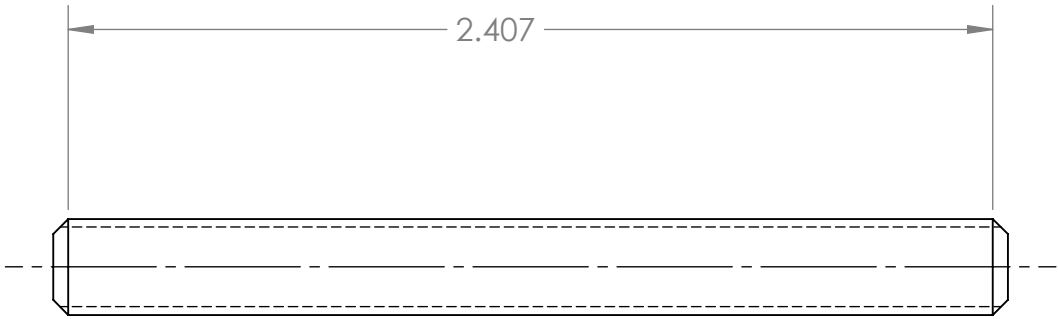
2

1

SAMPLE FABRICATION/ASSEMBLY PROCESS	
STOCK DESC/DIMS	Threaded Rod 1/4-20 x 3'
1.	Cut threaded rod to a length of 2.677
2.	Chamfer the edges with a belt grinder

1/4-28 Machine Threads

Ø .250



DRAWN BY Aditya Patwardhan	DATE 12/5/2019	STOCK VENDOR INFO: McMaster-Carr 3313N11	
APPROVALS:		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES ANGLES ARE IN DEGREES 3rd Angle Projection	
AU EMAIL	SINGNATURE	Careless Broncos	
		MATERIAL: AISI 1020	
		TITLE/DESC: Threaded Axle	
		FILE NAME: threaded axle rear left	
		DWG. #: P-024	REV #: B
		SCALE: 2:1	SHEET 1 OF 1
		SIZE B	

3

2

1