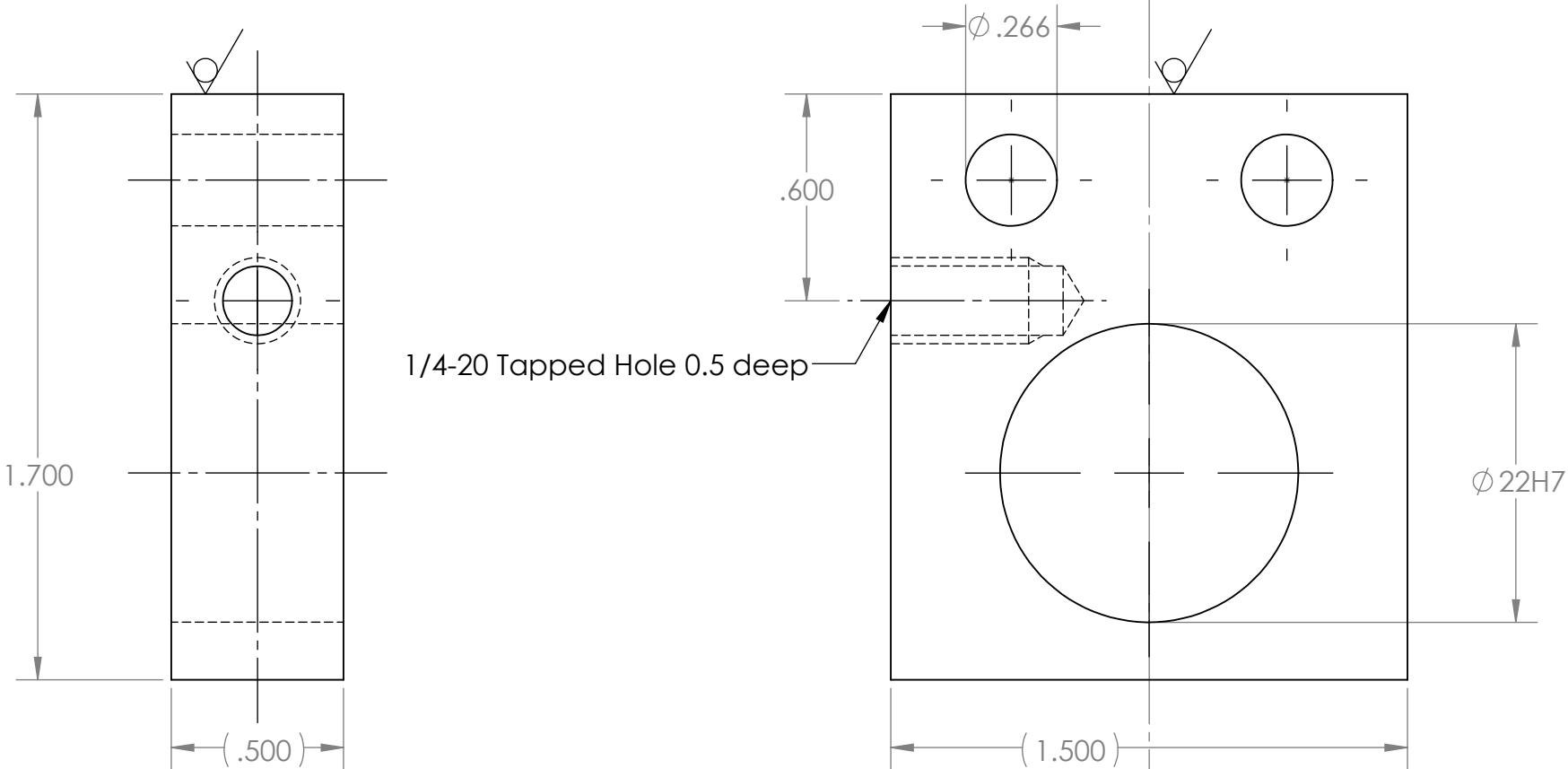


SAMPLE FABRICATION/ASSEMBLY PROCESS	
STOCK DESC/DIMS	6063 Aluminium Bar 1/2" x 1" x 4'
1. Cut material to 2" length 2. mill material to length of 1.7" 3. mark position of holes 4. center punch holes 5. drill 0.266" holes 6. drill hole for 1/4-20 thread with #7 drill 7. drill 0.59" hole for fitting with 5564 drill 8. ream fitting with 22H7 reamer	



DRAWN BY Felix Lasch	DATE 12/5/2019	STOCK VENDOR INFO: McMaster-Carr 89755K11	
APPROVALS:		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES ANGLES ARE IN DEGREES 3rd Angle Projection	
AU EMAIL	SINGNATURE	Careless Broncos	
		MATERIAL: 6063-T5	
		TITLE/DESC: Front Suspension	
		TOLERANCES: ANGULAR ± 1° FRACTIONAL ± 1/8" ONE PLACE DECIMAL ± 0.1" TWO PLACE DECIMAL ± 0.05" THREE PLACE DECIMAL ± 0.005"	
		FILE NAME: Suspension Front	
		DWG. #: P-001	REV #: A
		SCALE: 2:1	SIZE B SHEET 1 OF 1

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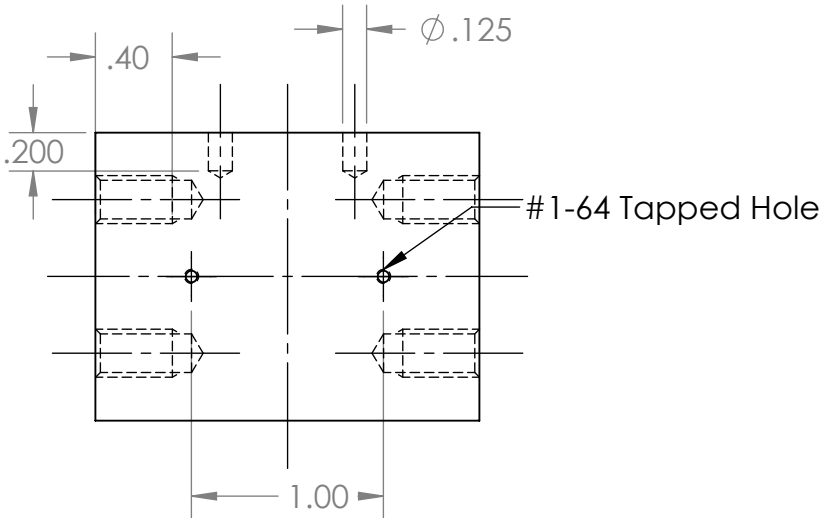
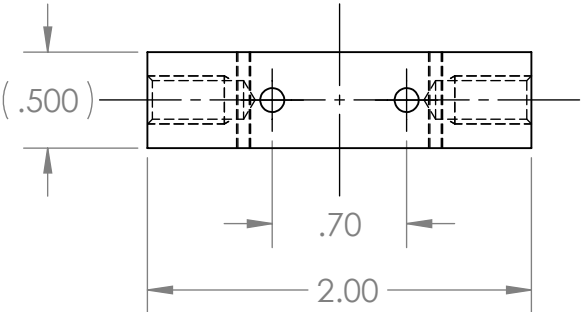
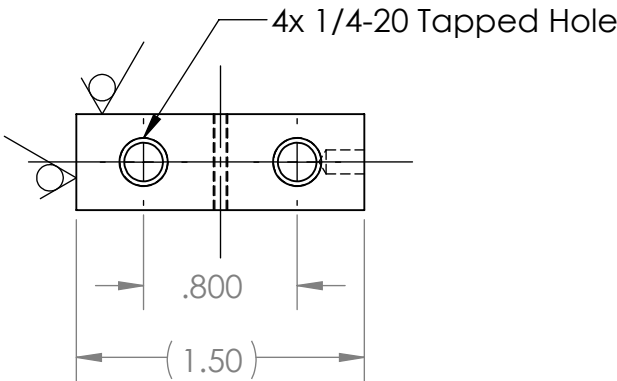
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SAMPLE FABRICATION/ASSEMBLY PROCESS

STOCK DESC/DIMS 6063 Aluminium Bar 1/2" x 1" x 4'

1. cut aluminum bar to 4" length with band saw
2. mill sides to legth of 3.5"
3. mark and centerpuch holes
4. drill hole for 1/4-20 thread with #7 drill
5. drill holes for 1-64 thread with #53 drill
6. cut 1/4-20 thread
7. cut 1-64 thread



DRAWN BY Felix Lasch	DATE 11/21/2019	STOCK VENDOR INFO: McMaster-Carr 89755k11		
APPROVALS:		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES ANGLES ARE IN DEGREES 3rd Angle Projection		
AU EMAIL	SINGNATURE	Careless Broncos		
		MATERIAL: 6063-T5		
		TITLE/DESC: Connection Front Suspension		
		FILE NAME: Connection Front Suspension		
		DWG. #:	P-002	REV #: A
		SCALE: 1:1	SIZE B	SHEET 1 OF 1

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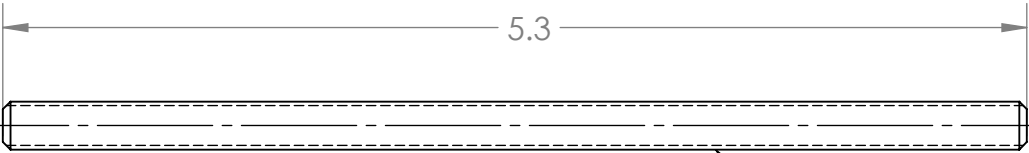
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1

SAMPLE FABRICATION/ASSEMBLY PROCESS

STOCK DESC/DIMS Threaded Rod 1/4-20 x 3'

1. cut threaded rod to lenhgth of 7.28"
2. chamfer edges with belt grinder



1/4-28 Machine Threads

DRAWN BY Felix Lasch	DATE 11/18/2019	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 Front Left		
		FILE NAME: Threaded Axle Front Left		
		DWG. #: P-003	REV #: A	
		SCALE: 1:2	SIZE B	SHEET 1 OF 1

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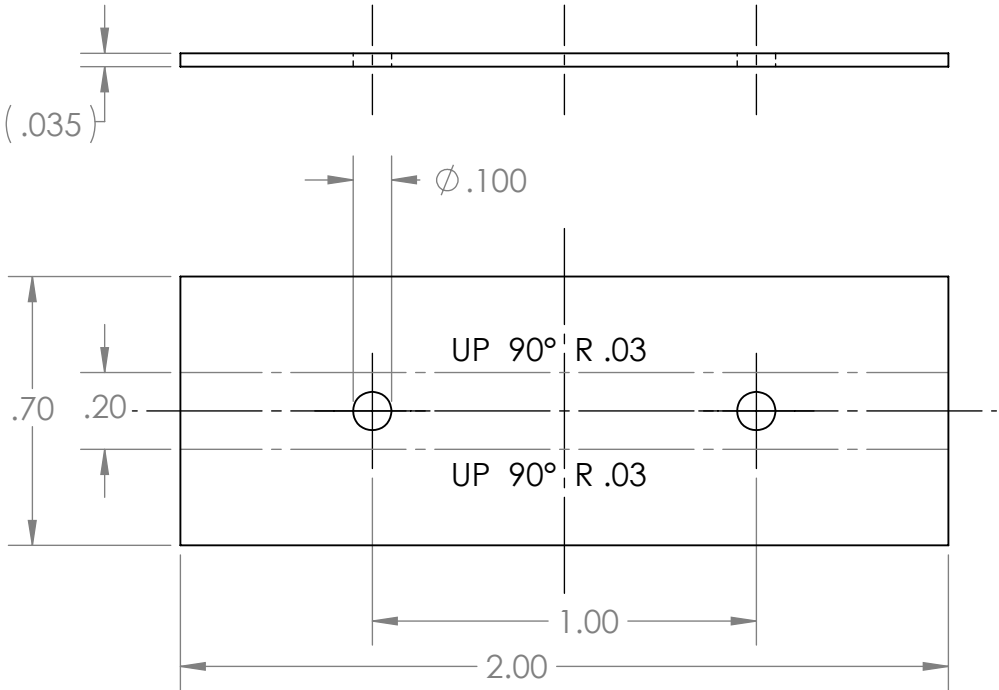
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SAMPLE FABRICATION/ASSEMBLY PROCESS	
STOCK DESC/DIMS	1075 Spring Steel Sheet 8"x12"x0.035"
1. cut sheet metal to desired length 2. burring all sides with belt grinder 3. mark and centerpunch holes 4. drill 0.1" holes 5. bend sheet metal at given points	



DRAWN BY Felix Lasch	DATE 12/5/2019	STOCK VENDOR INFO: McMaster-Carr 9071K73	
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: Slide Wing Nut	
		FILE NAME: Slide Wing Nut 1	
		DWG. #: P-004	REV #: A
		SCALE: 2:1	SIZE B SHEET 1 OF 2

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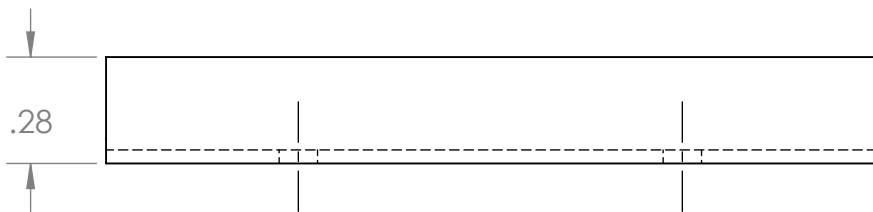
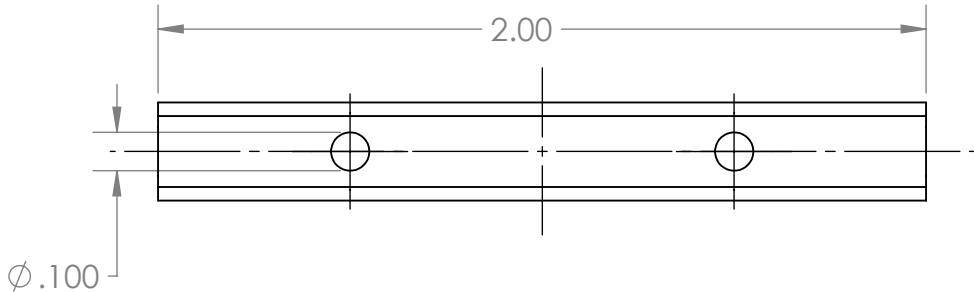
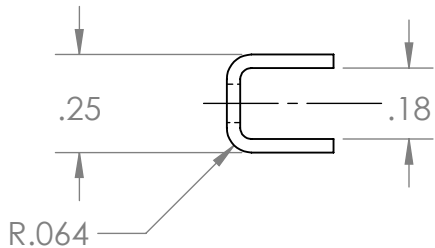
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1

SAMPLE FABRICATION/ASSEMBLY PROCESS	
STOCK DESC/DIMS	1075 Spring Steel Sheet 8"x12"x0.035"
1.	cut sheet metal to desired length
2.	burring all sides with belt grinder
3.	mark and centerpunch holes
4.	drill 0.1" holes
5.	bend sheet metal at given points



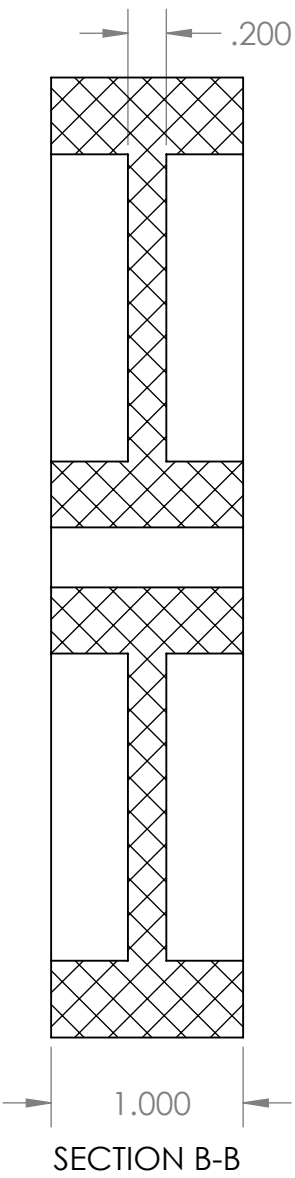
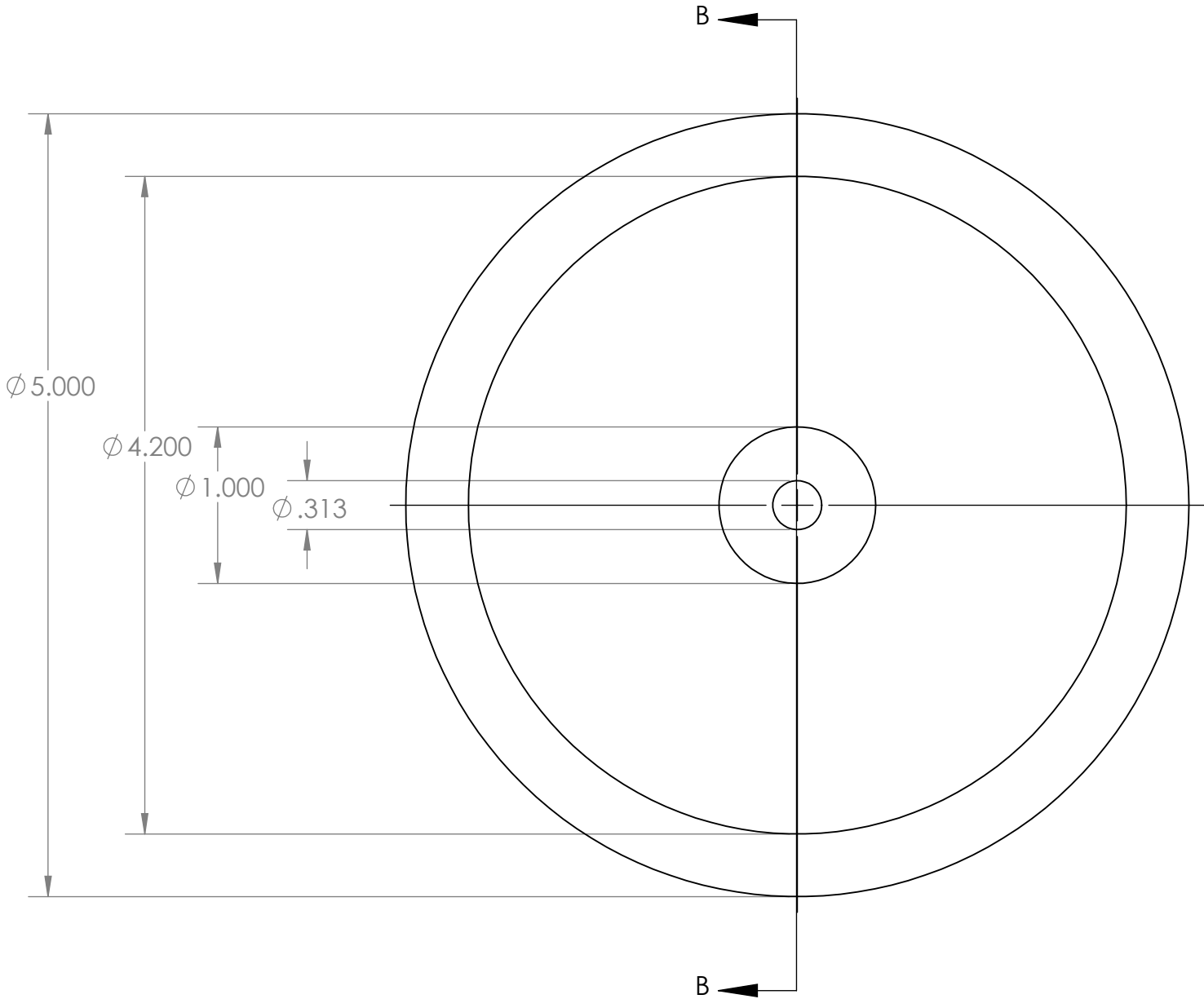
DRAWN BY Felix Lasch	DATE 12/5/2019	STOCK VENDOR INFO: McMaster-Carr 9071K73	
APPROVALS:		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES ANGLES ARE IN DEGREES 3rd Angle Projection	
AU EMAIL	SINGNATURE	Careless Broncos	
		MATERIAL: AISI 1020	
		TITLE/DESC: Slide Wing Nut	
		FILE NAME: Slide Wing Nut 2	
		DWG. #:	REV #:
		SCALE: 2:1	SIZE B
		SHEET 2 OF 2	

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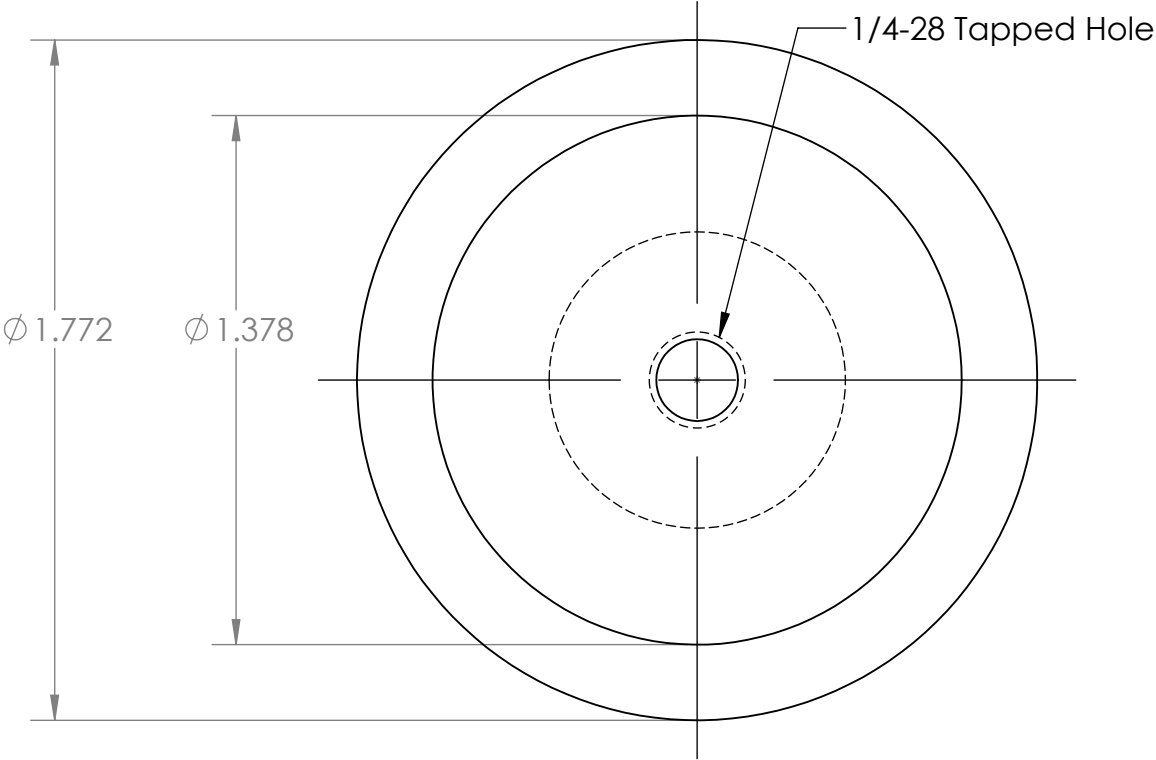
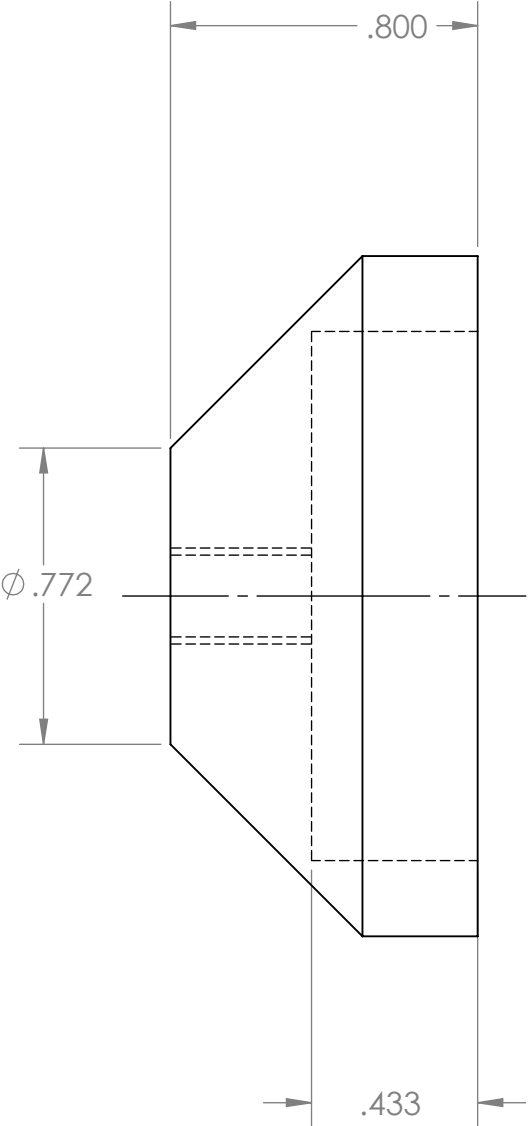
1

SAMPLE FABRICATION/ASSEMBLY PROCESS	
STOCK DESC/DIMS	Polzpropylene Wheel 4"" Diameterx 1-1/4"" wide
Manufacturer purchased item	



DRAWN BY Felix Lasch	DATE 11/21/2019	STOCK VENDOR INFO: McMaster-Carr 2781T585	
APPROVALS:		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES ANGLES ARE IN DEGREES 3rd Angle Projection	
AU EMAIL	SINGNATURE	Careless Broncos	
		MATERIAL: PP Copolymer	
		TITLE/DESC: Wheel	
		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:	Wheel
		DWG. #: P-005	REV #: A
		SCALE: 1:1	SIZE B SHEET 1 OF 1

SAMPLE FABRICATION/ASSEMBLY PROCESS	
STOCK DESC/DIMS	Adapter One-Way-Bearing
1. print adapter with 3D-Printer	
2. recut 1/4-28 thread with tap cutter	



DRAWN BY Felix Lasch	DATE 11/21/2019	STOCK VENDOR INFO:	
APPROVALS:		CARELESS BRONCOS	
AU EMAIL	SIGNATURE	MATERIAL: ABS	
		TITLE/DESC: Adapter One-Way-Bearing	
		FILE NAME: P8 Adapter One-Way-Bearing	
		DWG. #: P-008	REV #: A
		SCALE: 2:1	SHEET 1 OF 1
		SIZE B	

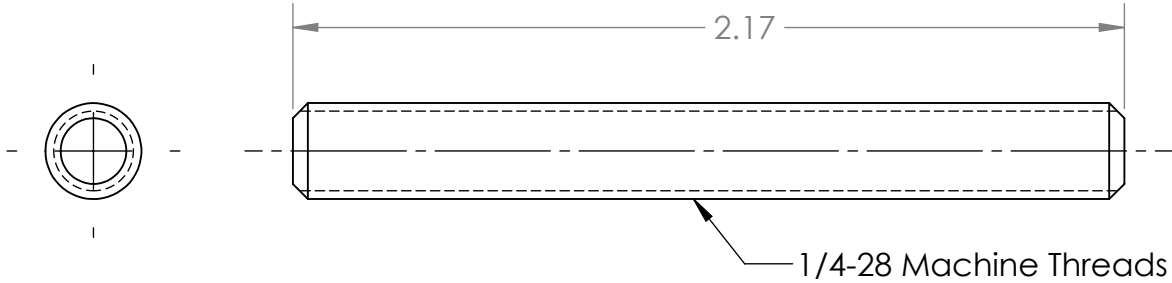
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SAMPLE FABRICATION/ASSEMBLY PROCESS	
STOCK DESC/DIMS	Threaded Rod 1/4-28 x 3'
1.	cut rod to desired length
2.	chamfer ends with belt grinder



DRAWN BY Felix Lasch	DATE 12/5/2019	STOCK VENDOR INFO: McMaster-Carr 90322A660	
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 Front Right	
		FILE NAME: Threaded Axle Front Right	
		DWG. #: P-009	REV #: A
		SCALE: 2:1	SIZE B SHEET 1 OF 1

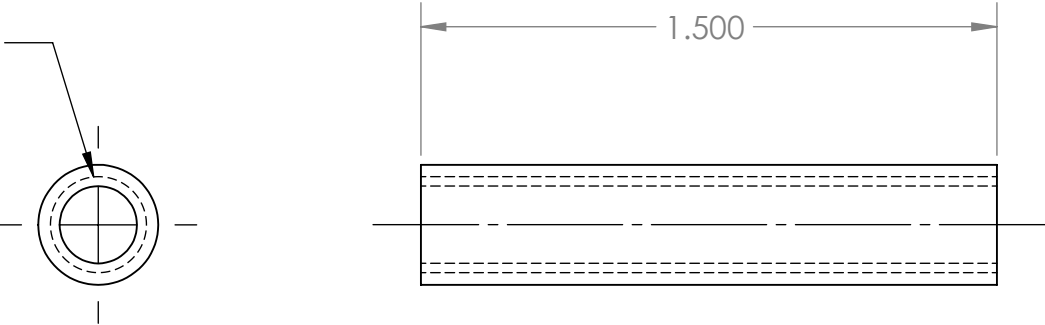
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SAMPLE FABRICATION/ASSEMBLY PROCESS	
STOCK DESC/DIMS	Muffle Wheel Left
1. print muffle with 3D-Printer	
2. recut 1/4-28 thread with tap cutter	

1/4-28 Machine Threads



DRAWN BY Felix Lasch	DATE 11/17/2019	STOCK VENDOR INFO:	
APPROVALS:		CARELESS BRONCOS	
AU EMAIL	SINGNATURE	MATERIAL: ABS	
		TITLE/DESC: Muffle Wheel Left	
		FILE NAME: Muffle Wheel Left	
		DWG. #: P-010	REV #: A
		SCALE: 2:1	SIZE B SHEET 1 OF 1

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
ANGLES ARE IN DEGREES
3rd Angle Projection

TOLERANCES:
ANGULAR ± 1°
FRACTIONAL ± 1/8"
ONE PLACE DECIMAL ± 0.1"
TWO PLACE DECIMAL ± 0.05"
THREE PLACE DECIMAL ± 0.005"

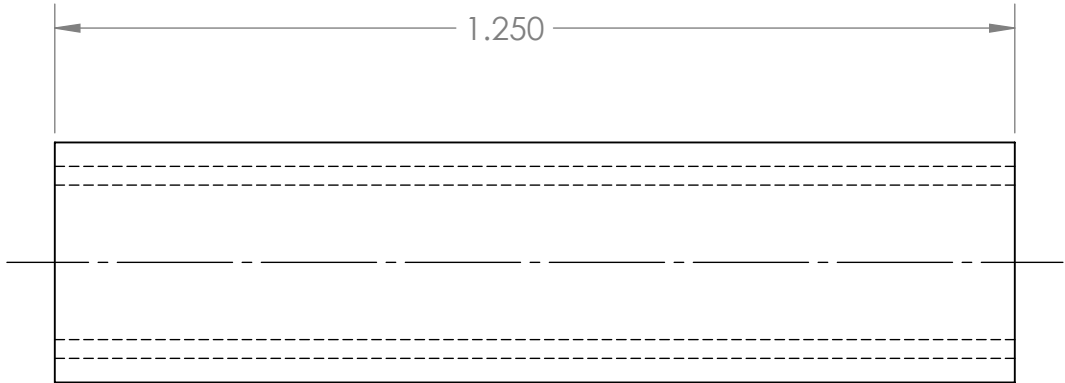
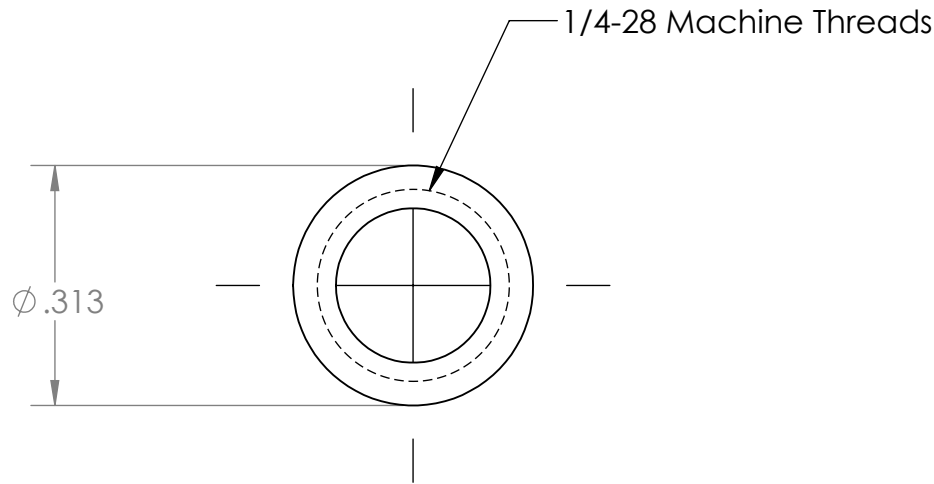
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SAMPLE FABRICATION/ASSEMBLY PROCESS	
STOCK DESC/DIMS	Muffle Wheel Right
1. print muffle	
2. recut 1/4-28 thread with tap cutter	



DRAWN BY Felix Lasch	DATE 11/21/2019	STOCK VENDOR INFO:	
APPROVALS:		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES ANGLES ARE IN DEGREES 3rd Angle Projection	
AU EMAIL	SINGNATURE	Careless Broncos	
		MATERIAL: ABS	
		TITLE/DESC: Muffle Wheel Right	
		FILE NAME: Muffle Wheel Right	
		DWG. #: P-011	REV #: A
		SCALE: 2:1	SIZE B SHEET 1 OF 1

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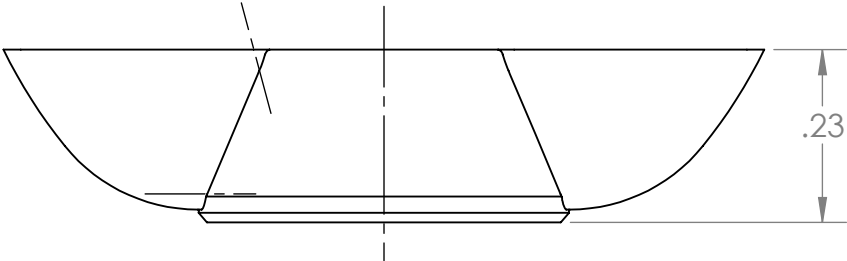
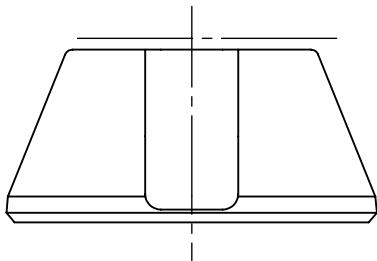
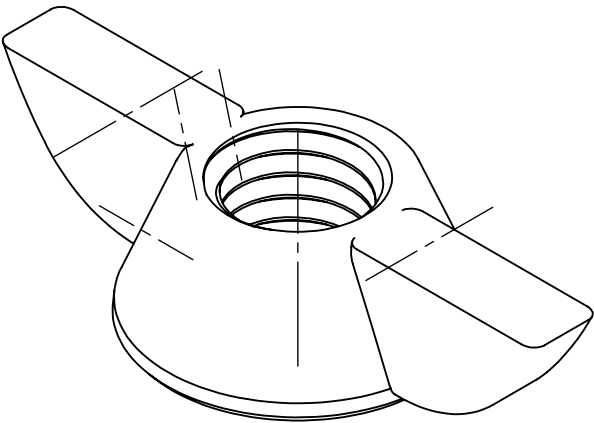
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SAMPLE FABRICATION/ASSEMBLY PROCESS

STOCK DESC/DIMS Wingnut 1/4-28 tread size

1. Cut wing nut at 0.23in with metal saw



DRAWN BY Felix Lasch	DATE 11/21/2019	STOCK VENDOR INFO: McMaster-Carr 92771A529		
APPROVALS:		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES ANGLES ARE IN DEGREES 3rd Angle Projection		
AU EMAIL	SINGNATURE	Careless Broncos		
		MATERIAL: Brass		
		TITLE/DESC: Wingnut		
		FILE NAME: Wingnut		
		DWG. #:	P-012	REV #: A
		SCALE: 4:1	SIZE B	SHEET 1 OF 1

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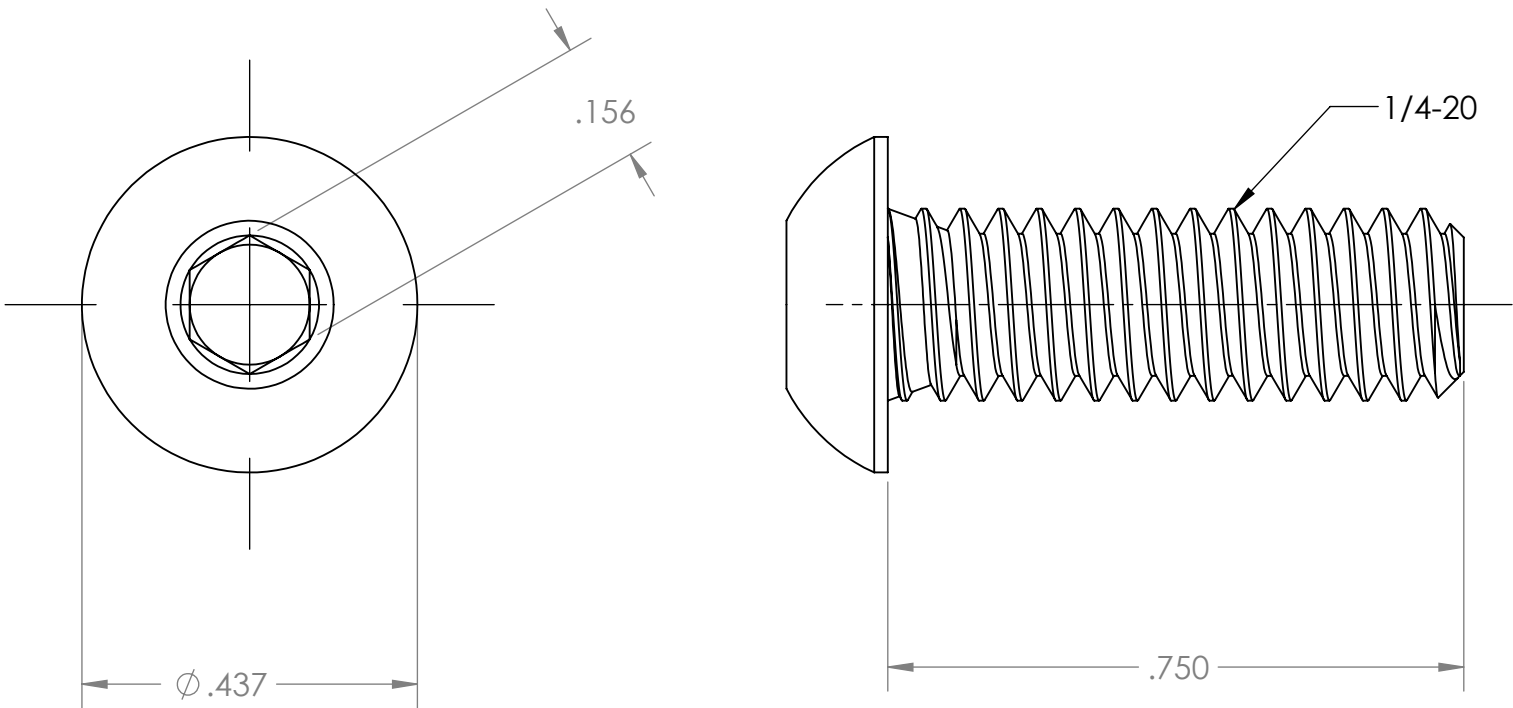
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SAMPLE FABRICATION/ASSEMBLY PROCESS	
STOCK DESC/DIMS	Button Head Hex Drive Screw 1/4-20
Manufacturer purchased item	



DRAWN BY Felix Lasch	DATE 11/21/2019	STOCK VENDOR INFO: McMaster-Carr 92949A540	
APPROVALS:		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES ANGLES ARE IN DEGREES 3rd Angle Projection	
AU EMAIL	SINGNATURE	Carless Broncos	
		MATERIAL: AISI Type 316L stainless steel	
		TITLE/DESC: Button Head Hex Drive Screw	
		FILE NAME: Button Head Hex Screw 1-4-20	
		DWG. #:	REV #:
		SCALE: 4:1	SIZE B
		SHEET 1 OF 1	

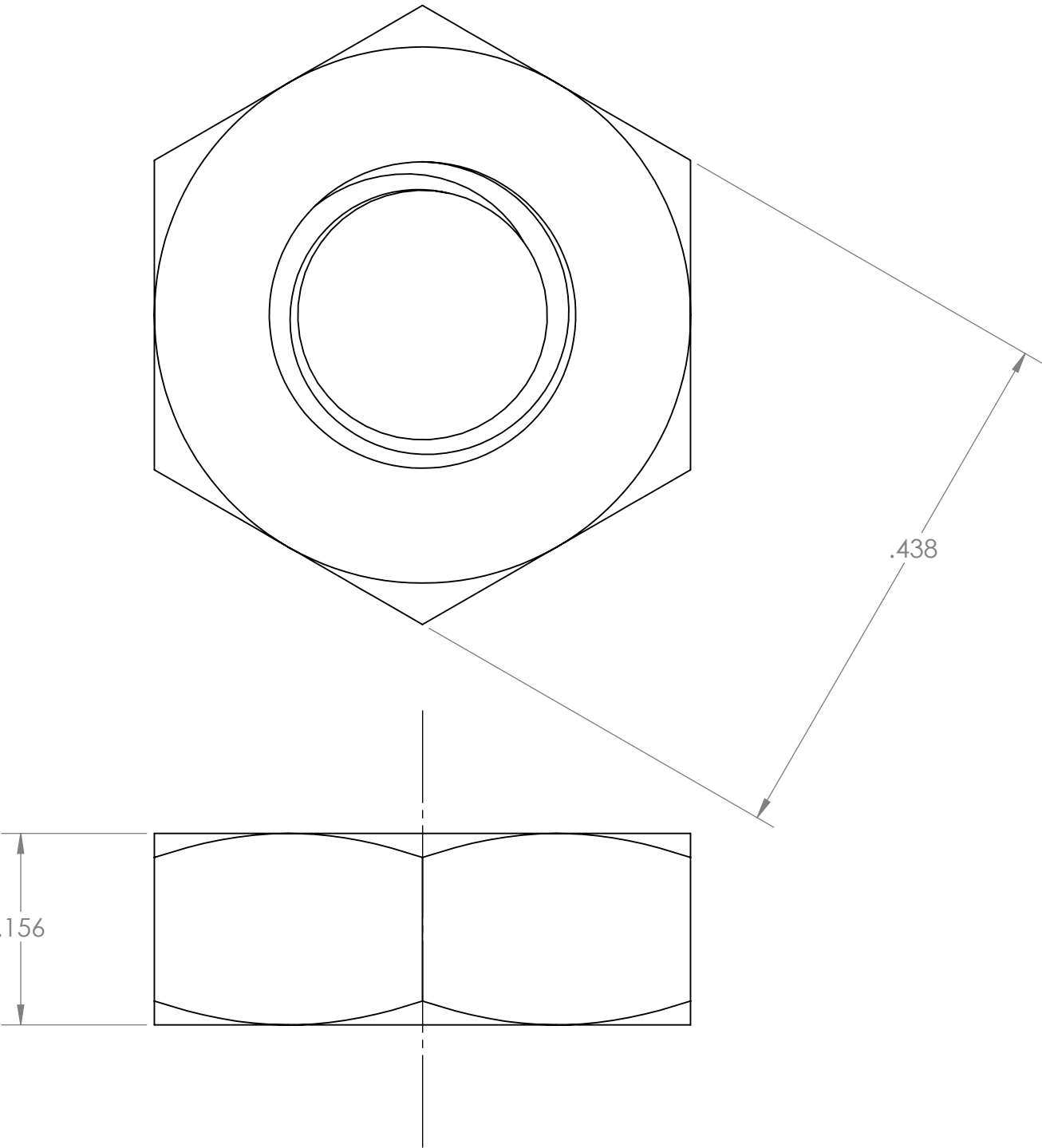
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SAMPLE FABRICATION/ASSEMBLY PROCESS	
STOCK DESC/DIMS	Stainless Steel Thin Hex Nut 1/4-28
manufacturer purchased item	



DRAWN BY Felix Lasch	DATE 12/5/2019	STOCK VENDOR INFO: McMaster-Carr91847A429	
APPROVALS:		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES ANGLES ARE IN DEGREES 3rd Angle Projection	
AU EMAIL	SINGNATURE	Careless Broncos	
		MATERIAL: AISI Type 316L stainless steel	
		TITLE/DESC: Stainless Steel Thin Hex Nut 1/4-28	
		FILE NAME: Stainless Steel Thin Hex Nut 1-4-28	
		DWG. #:	REV #:
		SCALE: 8:1	SHEET 1 OF 1

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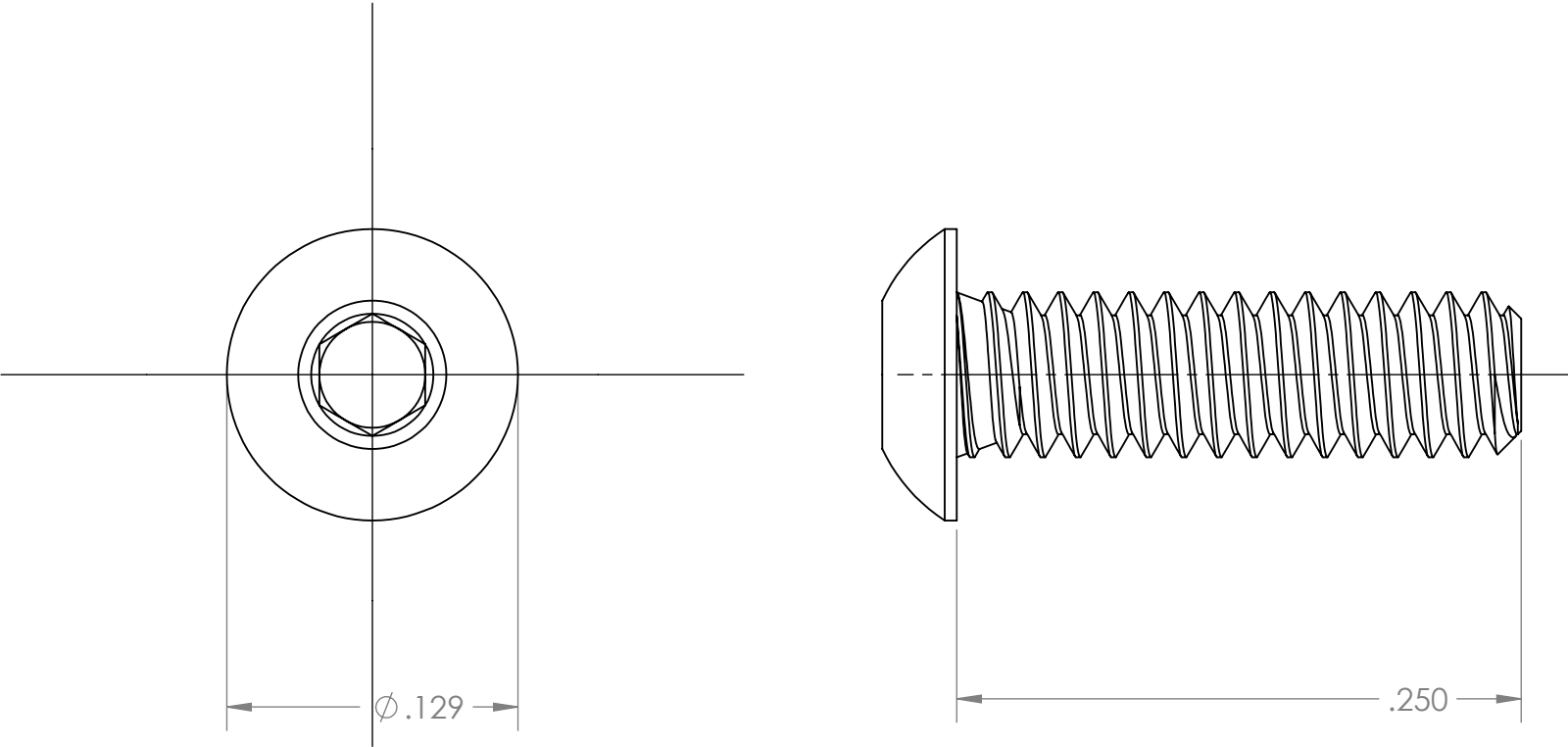
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SAMPLE FABRICATION/ASSEMBLY PROCESS	
STOCK DESC/DIMS	Button Head Hex Screw 1-64
manufacrurer purchased item	



DRAWN BY Felix Lasch	DATE 12/5/2019	STOCK VENDOR INFO: McMaster-Carr 92949A316	
APPROVALS:		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES ANGLES ARE IN DEGREES 3rd Angle Projection	
AU EMAIL	SINGNATURE	Careless Broncos	
		MATERIAL: AISI Type 316L stainless steel	
		TITLE/DESC: Button Head Hex Drive Screw 1-64	
		FILE NAME: Button Head Hex Drive Screw 1-64	
		DWG. #:	REV #:
		SCALE: 12:1	SHEET 1 OF 1
		SIZE B	

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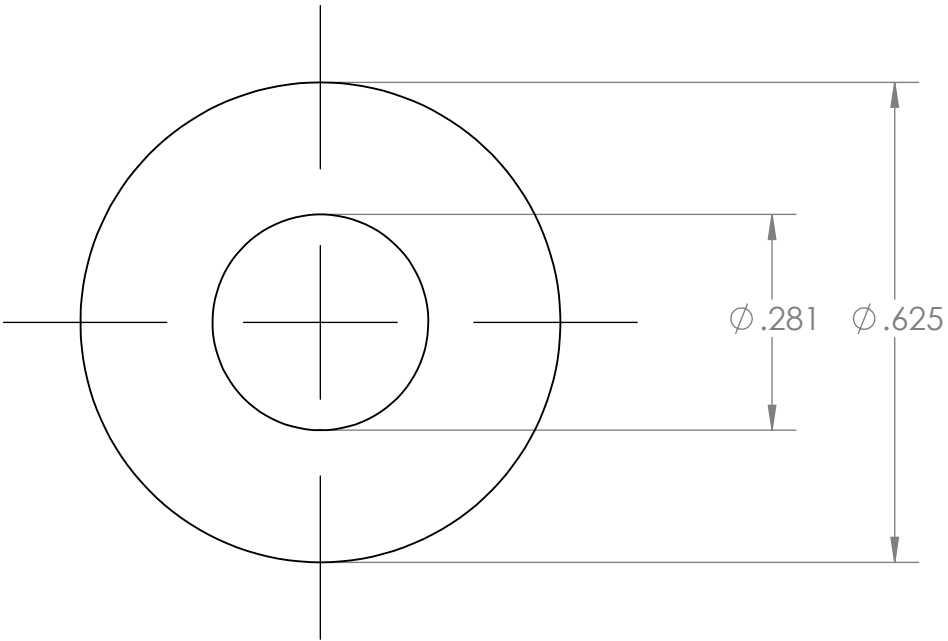
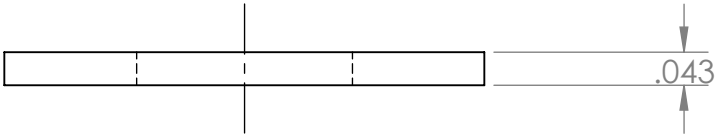
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SAMPLE FABRICATION/ASSEMBLY PROCESS	
STOCK DESC/DIMS	Stainless Steel Washer 1/4
Manufacturer purchased item	



DRAWN BY Felix Lasch	DATE 11/21/2019	STOCK VENDOR INFO: McMaster-Carr 90107A029	
APPROVALS:		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES ANGLES ARE IN DEGREES 3rd Angle Projection	
AU EMAIL	SINGNATURE	Careless Broncos	
		MATERIAL: AISI Type 316L stainless steel	
		TITLE/DESC: Stainless Steel Washer 1/4	
		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:	316 Stainless Steel Washer
		DWG. #:	P-016
		REV #:	
		SCALE: 4:1	SIZE B
		SHEET 1 OF 1	

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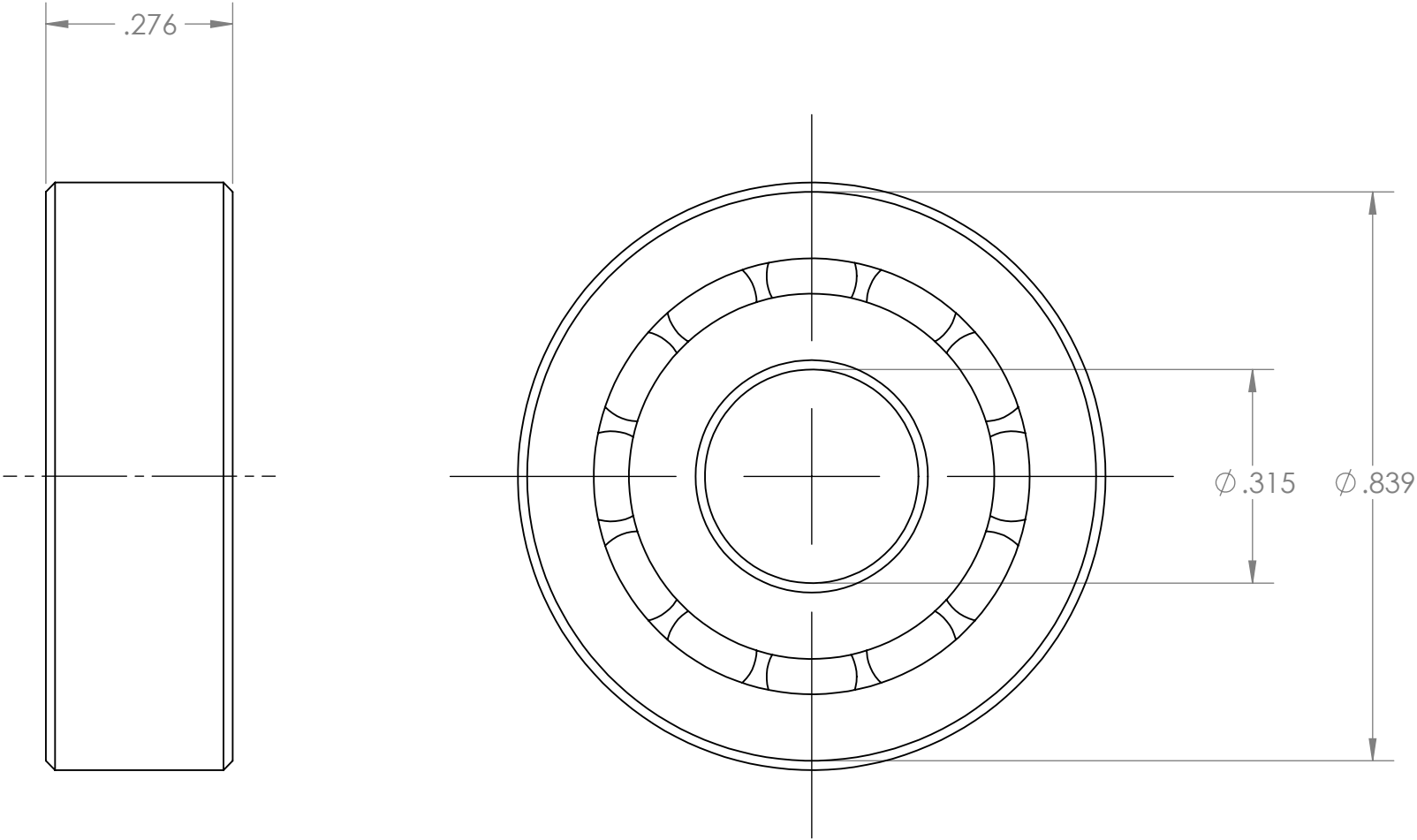
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SAMPLE FABRICATION/ASSEMBLY PROCESS	
STOCK DESC/DIMS	608 Ball Bearing
Manufacturer purchased item	

B

B



A

A

DRAWN BY Felix Lasch	DATE 11/21/2019	STOCK VENDOR INFO: McMaster-Carr 5972K91	
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: 608 Ball Bearing	
		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:	608 Ball Bearing
		DWG. #:	P-017
		REV #:	
		SCALE: 4:1	SIZE B
		SHEET 1 OF 1	

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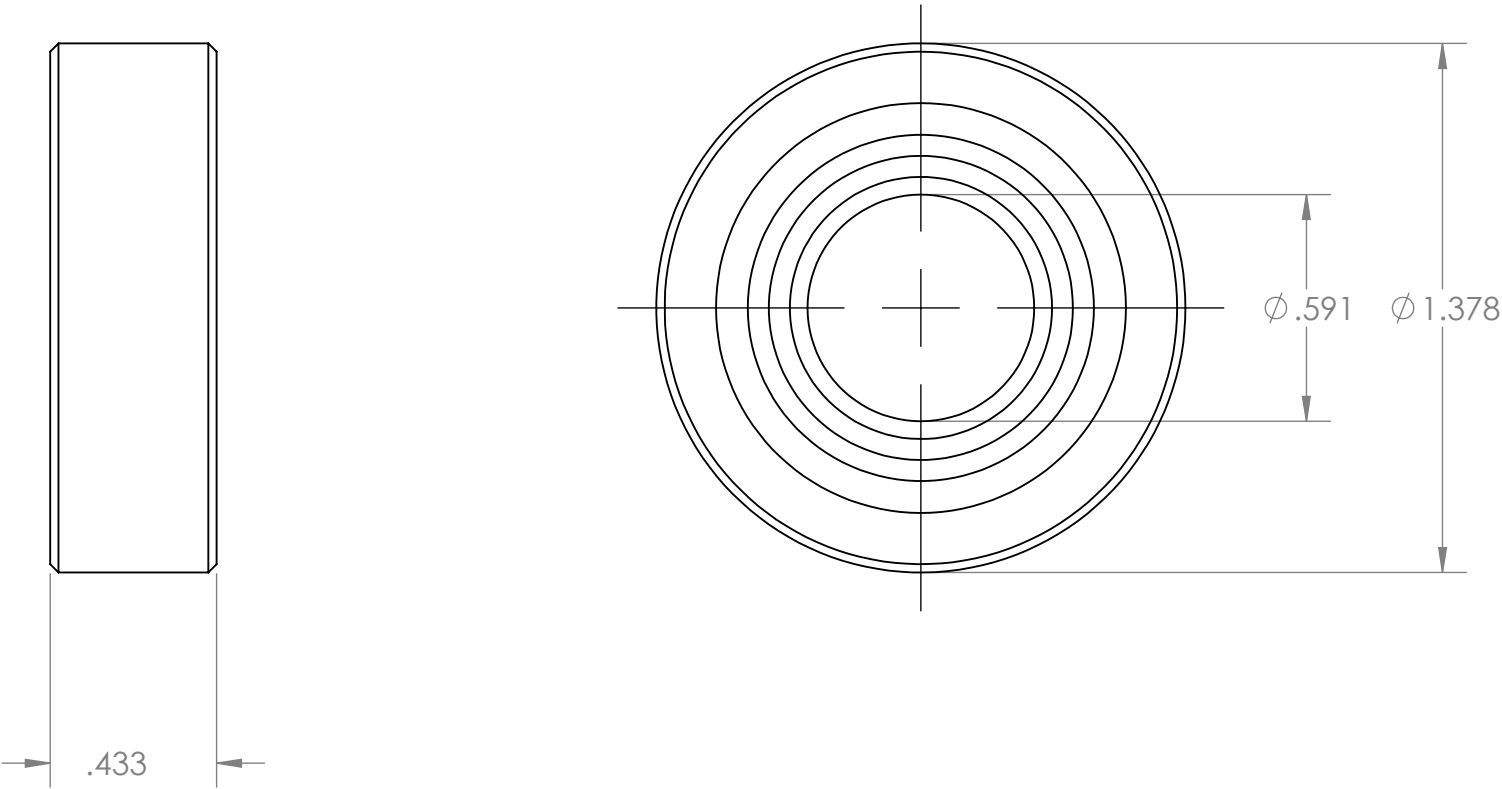
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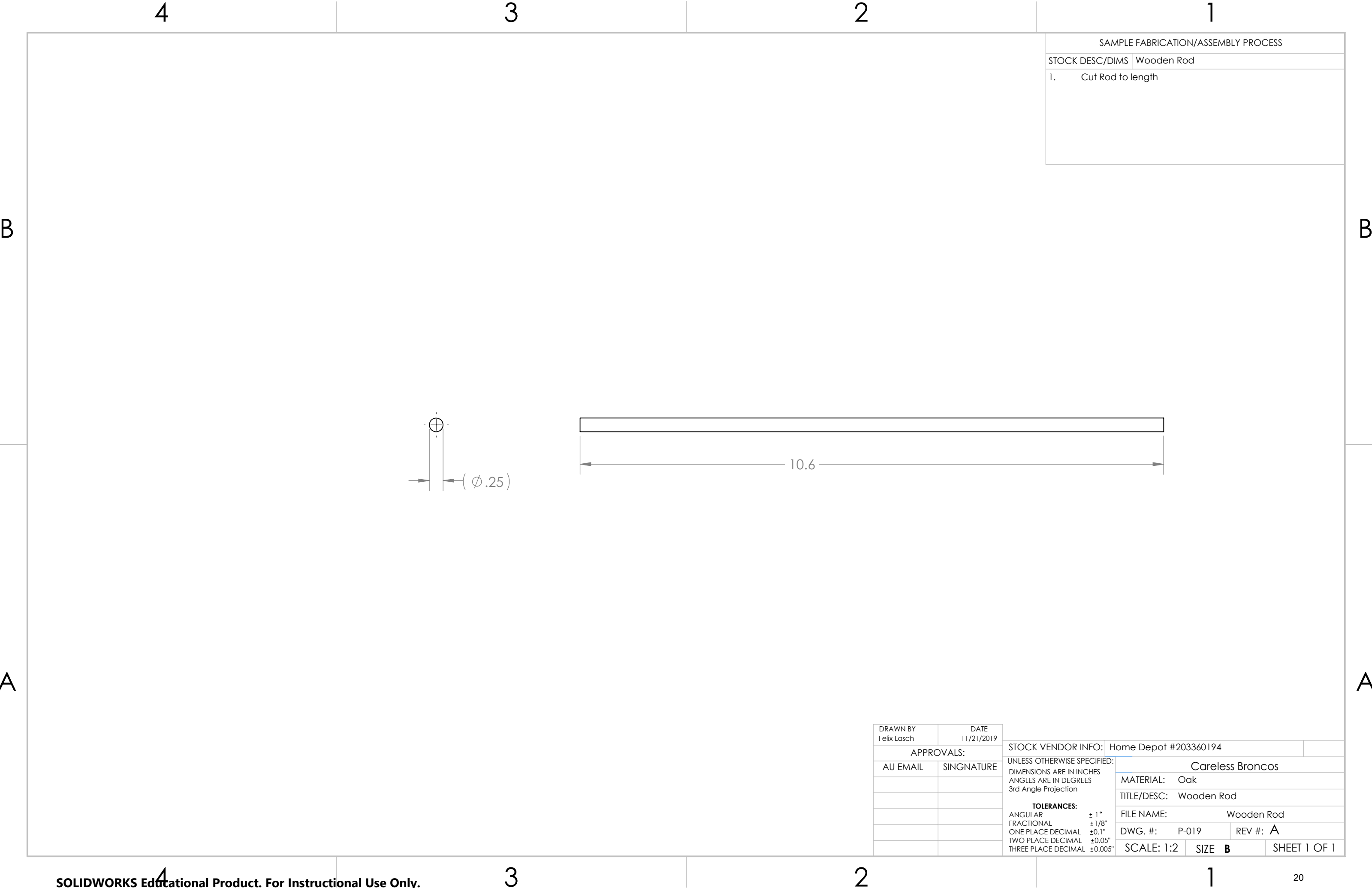
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1

SAMPLE FABRICATION/ASSEMBLY PROCESS	
STOCK DESC/DIMS	One-Way-Bearing
Manufacturer purchased item	



DRAWN BY Felix Lasch	DATE 11/21/2019	STOCK VENDOR INFO: McMaster-Carr	
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: One-Way-Bearing	
		FILE NAME: One-Way-Bearing	
		DWG. #: P-018	REV #:
		SCALE: 2:1	SIZE B SHEET 1 OF 1



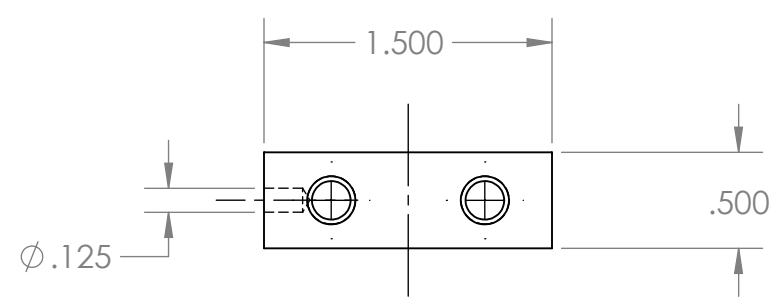
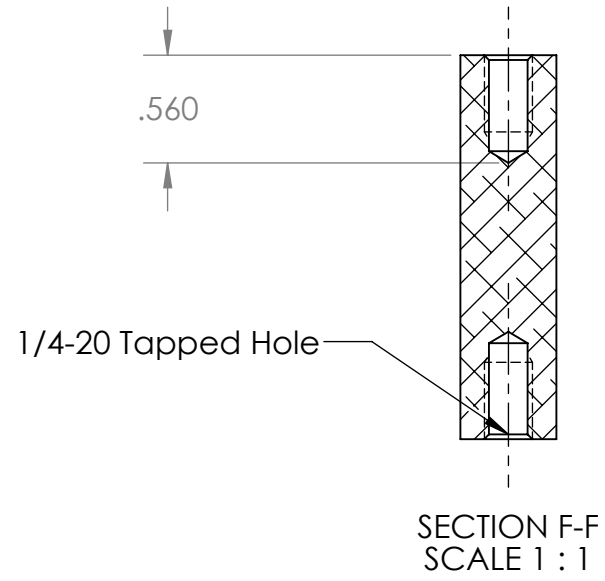
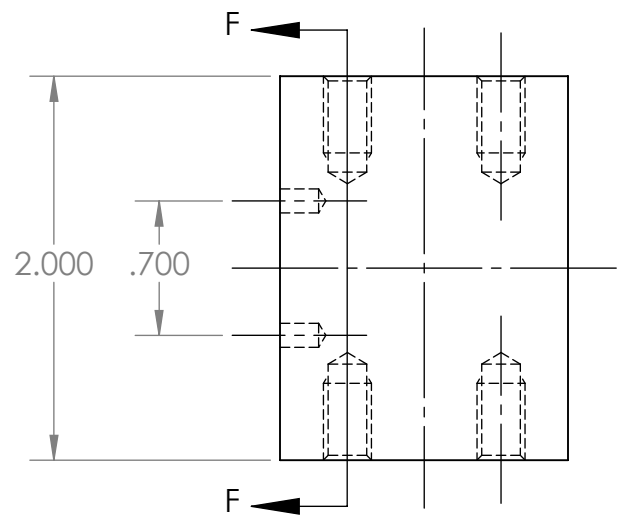
DRAWN BY Felix Lasch	DATE 11/21/2019	STOCK VENDOR INFO: Home Depot #203360194	
APPROVALS:		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES ANGLES ARE IN DEGREES 3rd Angle Projection	
AU EMAIL	SINGNATURE	Careless Broncos	
		MATERIAL: Oak	
		TITLE/DESC: Wooden Rod	
		FILE NAME: Wooden Rod	
		DWG. #: P-019	REV #: A
		SCALE: 1:2	SHEET 1 OF 1
		SIZE B	

B

B

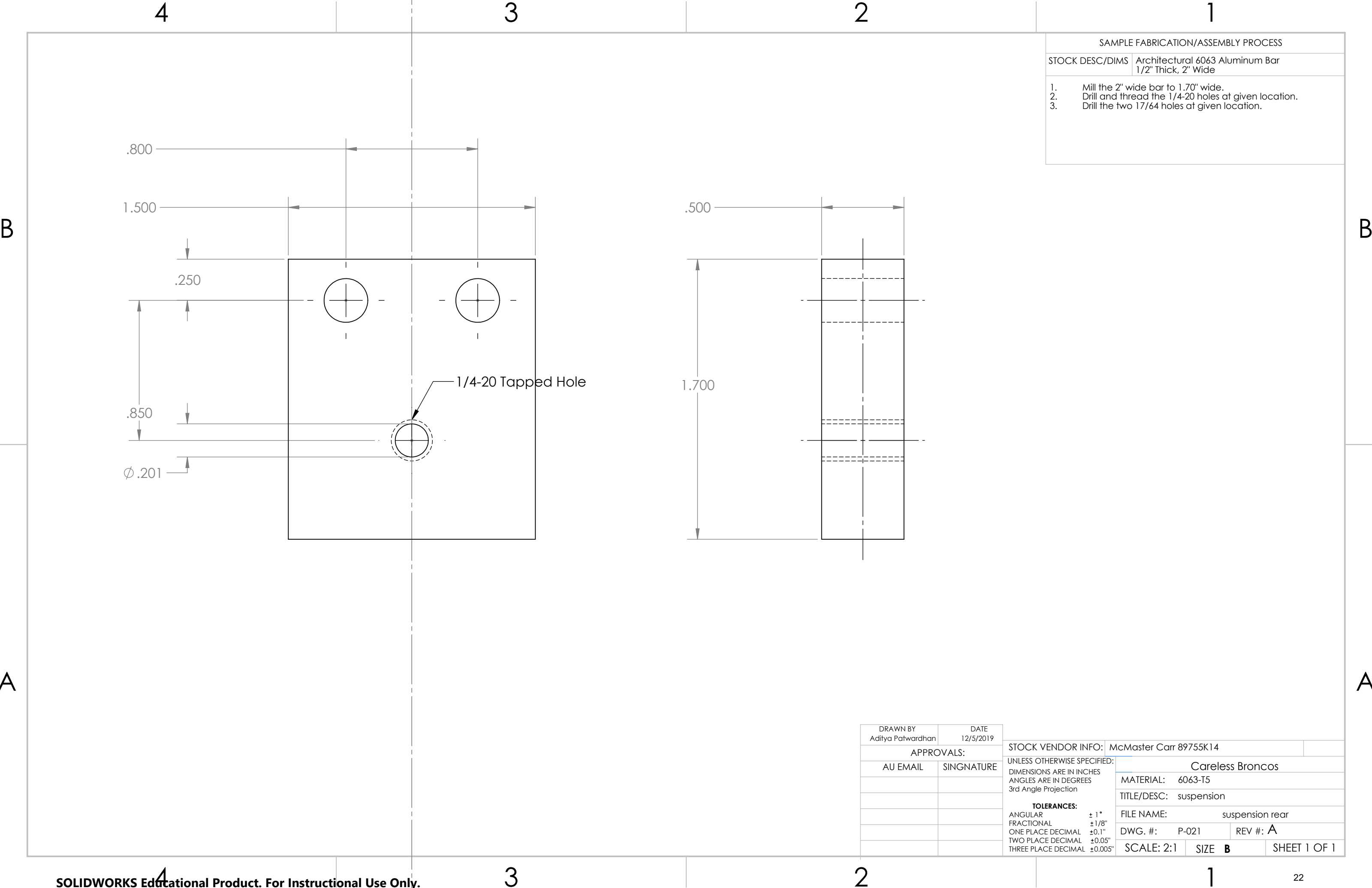
A

A



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

DRAWN BY Aditya Patwardhan		DATE 12/5/2019	
APPROVALS:			
AU EMAIL		SINGNATURE	
</			



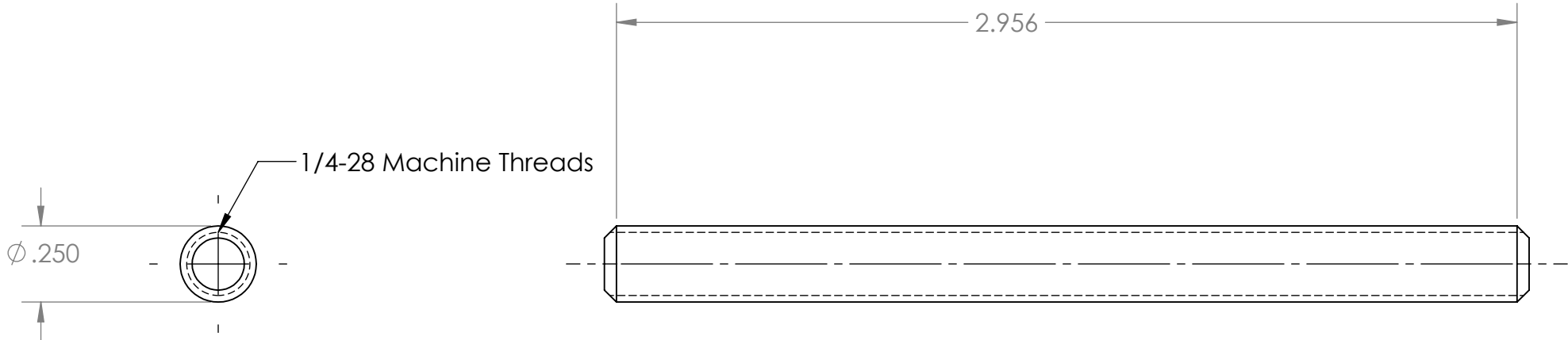
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SAMPLE FABRICATION/ASSEMBLY PROCESS	
STOCK DESC/DIMS	Threaded Rod 1/4-28 x 3'
1.	Cut threaded rod to a length of 3.366
2.	Chamfer the edges with a belt grinder



DRAWN BY Aditya Patwardhan	DATE 12/5/2019	STOCK VENDOR INFO: McMaster-Carr 90322A660	
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	
		FILE NAME: threaded axle rear right	
		DWG. #: P-023	REV #: A
		SCALE: 2:1	SHEET 1 OF 1
		SIZE B	

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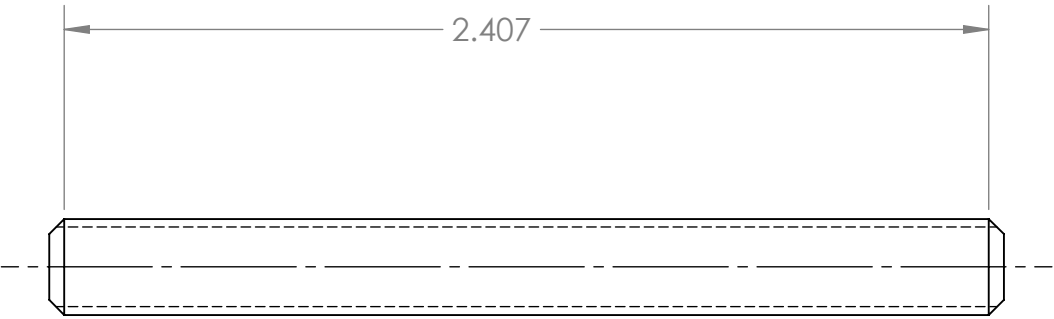
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1

SAMPLE FABRICATION/ASSEMBLY PROCESS	
STOCK DESC/DIMS	Threaded Rod 1/4-28 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 90322A660	
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 #: A
		SCALE: 2:1	SHEET 1 OF 1
		SIZE B	

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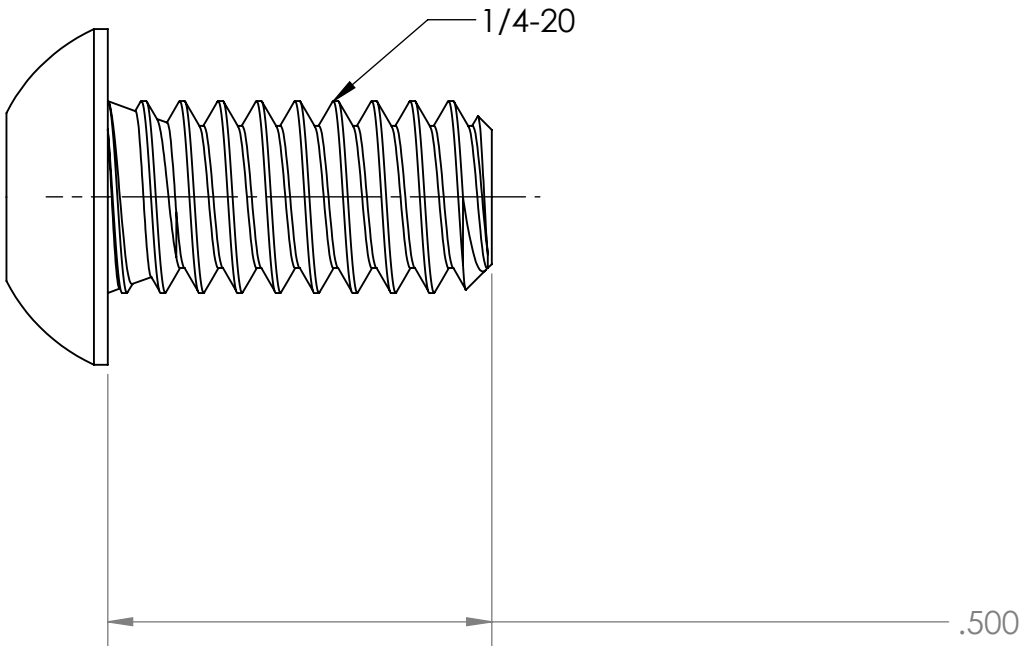
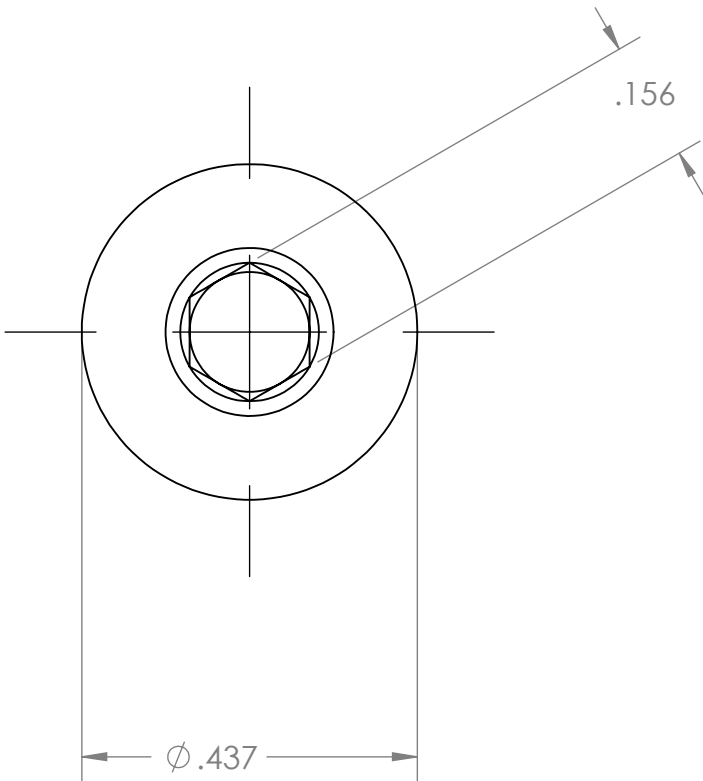
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SAMPLE FABRICATION/ASSEMBLY PROCESS	
STOCK DESC/DIMS	Button Head Hex Drive Screw 1/4, 1/2
Manufacturer purchased item	



DRAWN BY Felix Lasch	DATE 11/21/2019	STOCK VENDOR INFO: McMaster-Carr	
APPROVALS:		CARELESS BRONCOS	
AU EMAIL	SIGNATURE	MATERIAL: AISI Type 316L stainless steel	
		TITLE/DESC: Button Head Hex Drive Screw 1/4, 1/2	
		FILE NAME: Button Head Hex Drive Screw	
		DWG. #:	REV #:
		SCALE: 4:1	SHEET 1 OF 1
		SIZE B	

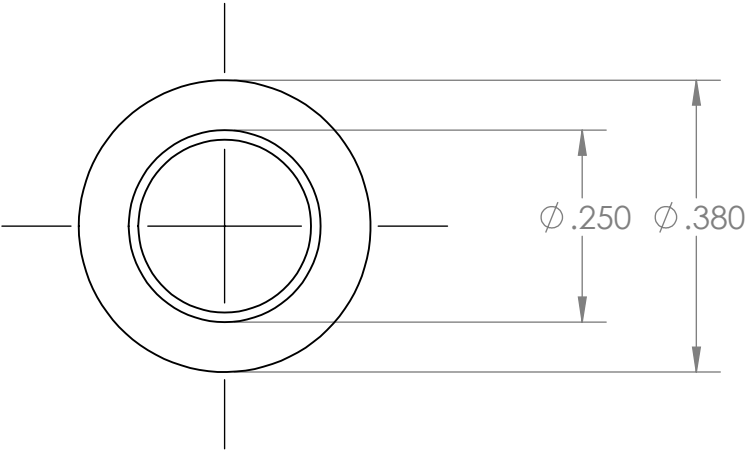
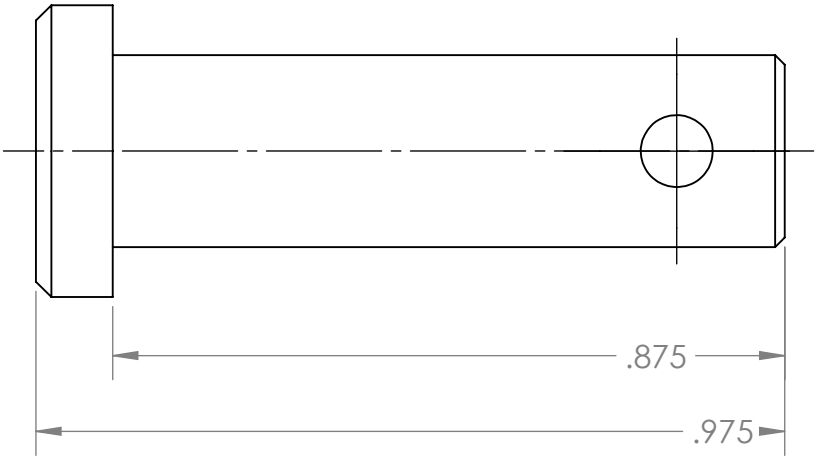
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SAMPLE FABRICATION/ASSEMBLY PROCESS	
STOCK DESC/DIMS	Clevis Pin
Manufacturer purchased item	



DRAWN BY Felix Lasch	DATE 11/21/2019	STOCK VENDOR INFO: McMaster-Carr 98306A158	
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: Clevis Pin	
		TOLERANCES: ANGULAR ± 1° FRACTIONAL ± 1/8" ONE PLACE DECIMAL ± 0.1" TWO PLACE DECIMAL ± 0.05" THREE PLACE DECIMAL ± 0.005"	
		FILE NAME:	Clevis Pin
		DWG. #:	P-026
		REV #:	
		SCALE: 4:1	SIZE B
		SHEET 1 OF 1	

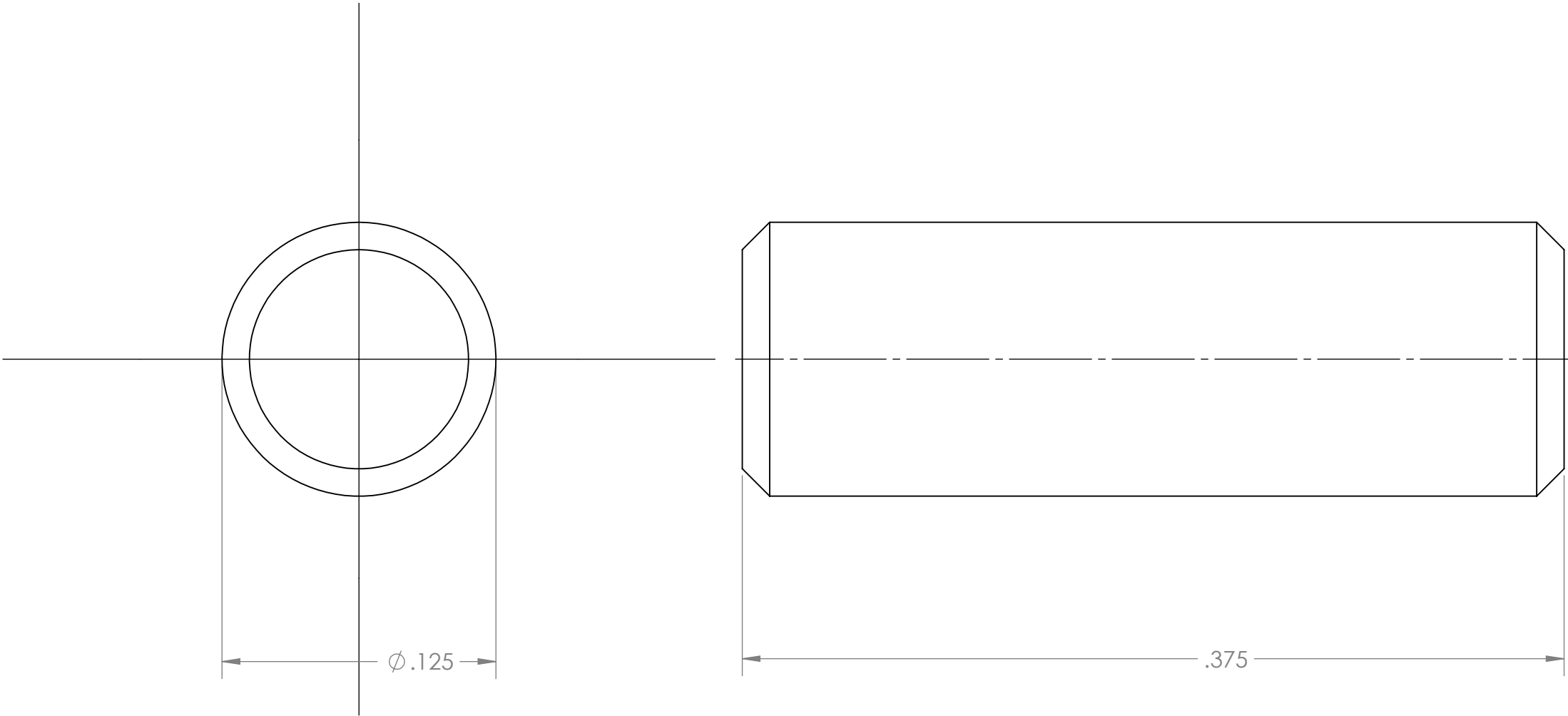
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SAMPLE FABRICATION/ASSEMBLY PROCESS	
STOCK DESC/DIMS	Dowel Pin



DRAWN BY Felix Lasch	DATE 11/21/2019	STOCK VENDOR INFO: McMaster-Carr		
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: Dowel Pin		
		FILE NAME: Dowel Pin		
		DWG. #: P-027	REV #:	
		SCALE: 16:1	SIZE B	SHEET 1 OF 1
TOLERANCES:		ANGULAR $\pm 1^\circ$ FRACTIONAL $\pm 1/8"$ ONE PLACE DECIMAL $\pm 0.1"$ TWO PLACE DECIMAL $\pm 0.05"$ THREE PLACE DECIMAL $\pm 0.005"$		

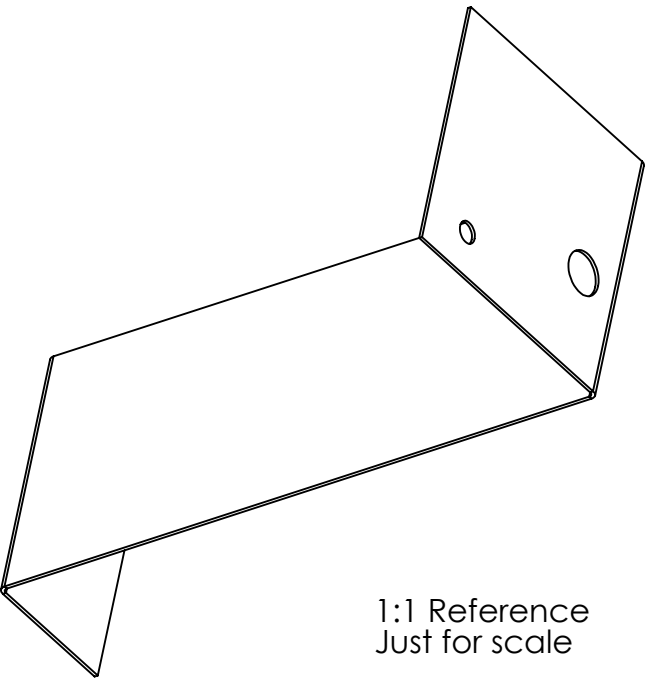
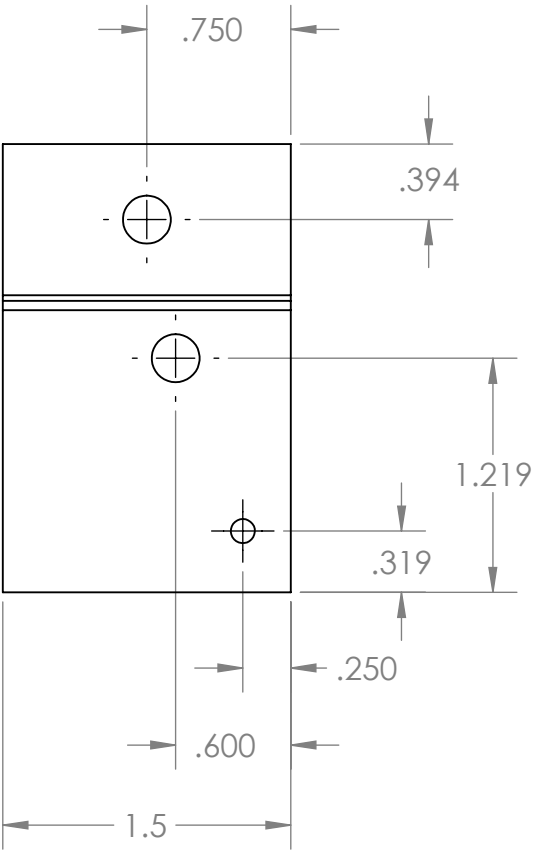
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SAMPLE FABRICATION/ASSEMBLY PROCESS	
STOCK DESC/DIMS	12 in. x 24 in. Leathergrain Aluminum Sheet in Silver
1.	Cut a strip of material from the sheet of proper dimensions with a band saw
2.	Drill the holes using a power drill
3.	Sand the edges using silicon carbide sandpaper
4.	Bend the strip, by using the procedure of heat bending, according to the given tollerances



DRAWN BY Giampietro Nigro	DATE 12/5/2019	STOCK VENDOR INFO: Home Depot Model # 56030	
APPROVALS:		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES ANGLES ARE IN DEGREES 3rd Angle Projection	
AU EMAIL	SINGNATURE	Careless Broncos	
		MATERIAL: Leathergrain Aluminum Sheet in Silver	
		TITLE/DESC: Split frame 1 Front	
		FILE NAME:	Frame1 Front
		DWG. #:	P-028
		REV #:	D
		SCALE: 1:1	SIZE B
		SHEET 2 OF 2	

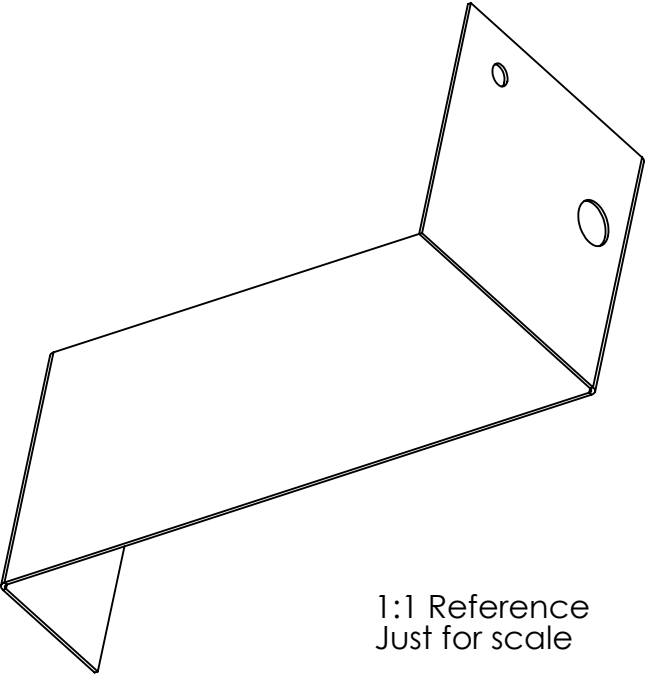
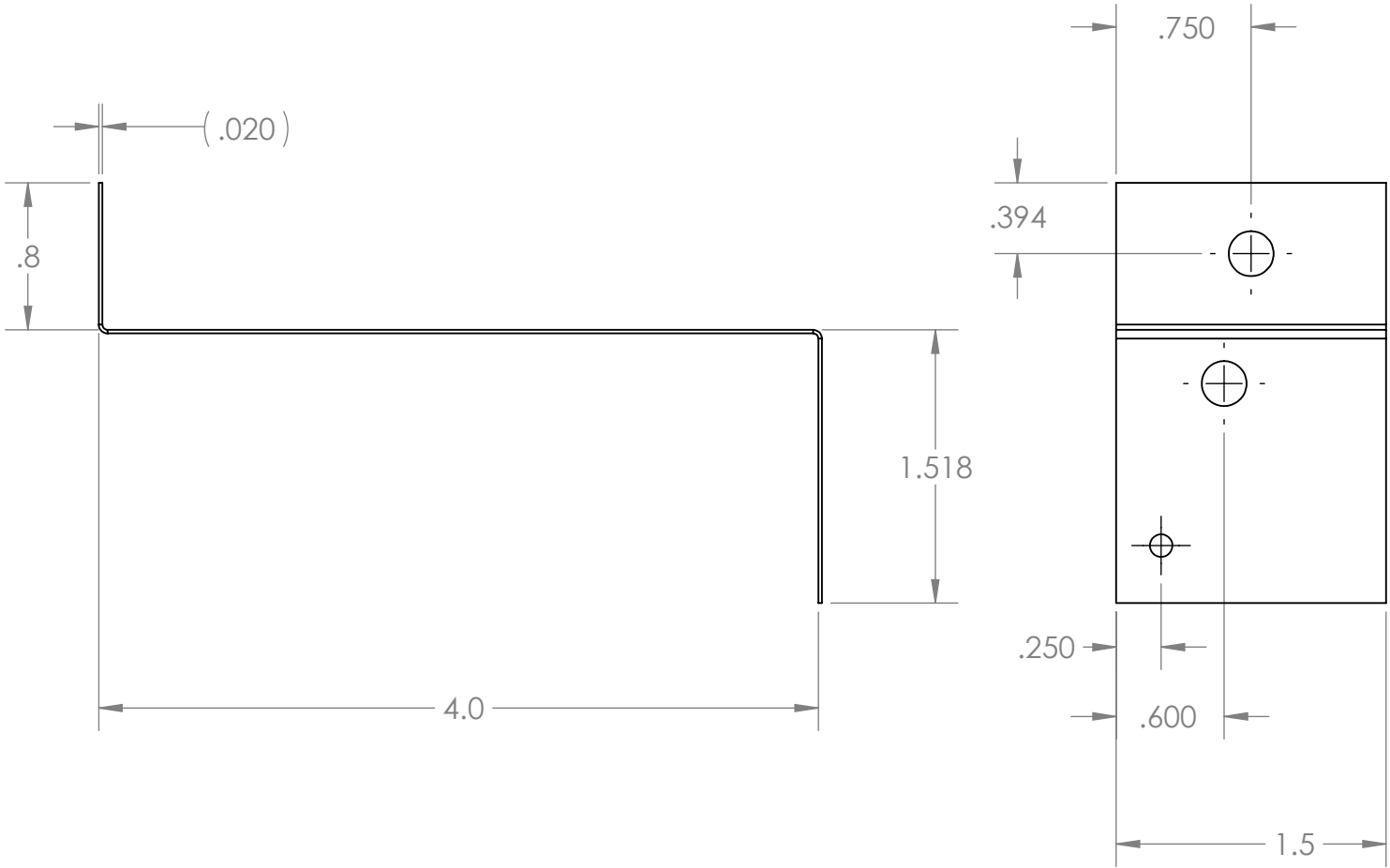
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SAMPLE FABRICATION/ASSEMBLY PROCESS	
STOCK DESC/DIMS	12 in. x 24 in. Leathergrain Aluminum Sheet in Silver
1.	Cut a strip of material from the sheet of proper dimensions with a band saw
2.	Drill the holes using a power drill
3.	Sand the edges using silicon carbide sandpaper
4.	Bend the strip, by using the procedure of heat bending, according to the given tollerances



DRAWN BY Giampietro Nigro	DATE 12/5/2019	STOCK VENDOR INFO: Home Depot Model # 56030	
APPROVALS:		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES ANGLES ARE IN DEGREES 3rd Angle Projection	
AU EMAIL	SINGNATURE	Careless Broncos	
		MATERIAL: Leathergrain Aluminum Sheet in Silver	
		TITLE/DESC: Split frame 1 Rear	
		FILE NAME: Frame1 Rear	
		DWG. #: P-029	REV #: D
		SCALE: 1:1	SIZE B SHEET 2 OF 2

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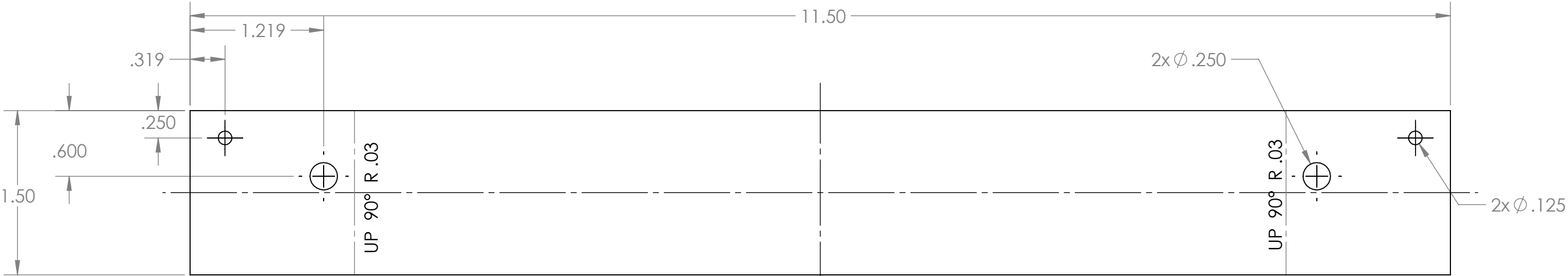
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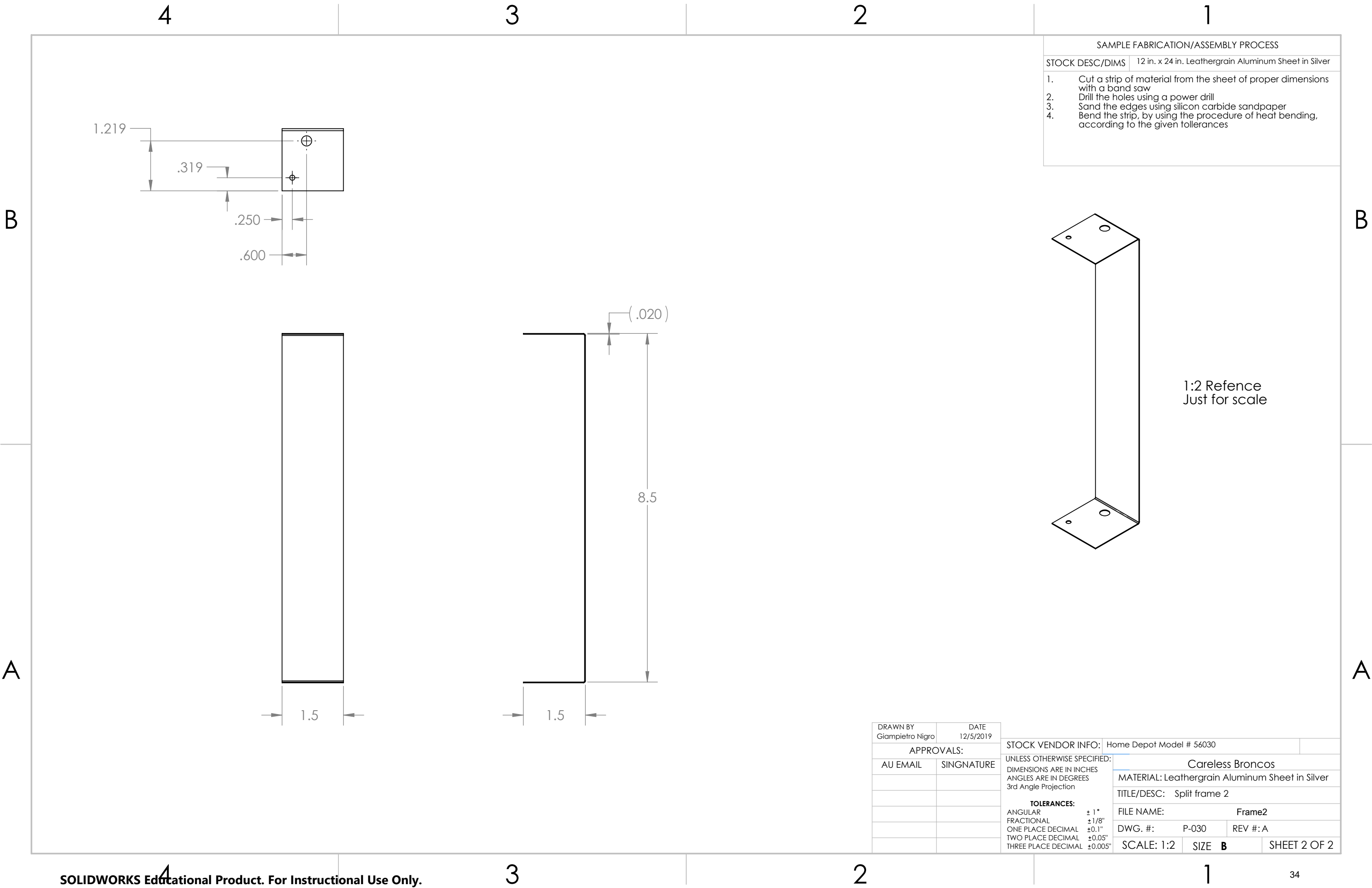
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SAMPLE FABRICATION/ASSEMBLY PROCESS	
STOCK DESC/DIMS	12 in. x 24 in. Leathergrain Aluminum Sheet in Silver
1.	Cut a strip of material from the sheet of proper dimensions with a band saw
2.	Drill the holes using a power drill
3.	Sand the edges using silicon carbide sandpaper
4.	Bend the strip, by using the procedure of heat bending, according to the given tollerances



DRAWN BY Giampietro Nigro	DATE 12/5/2019	STOCK VENDOR INFO: Home Depot Model # 56030	
APPROVALS:		CARELESS BRONCOS	
AU EMAIL	SIGNATURE	MATERIAL: Leathergrain Aluminum Sheet in Silver	
		TITLE/DESC: Split frame 2	
		FILE NAME: Frame2_Unfolded	
		DWG. #:	P-030
		REV #:	A
		SCALE: 1:1	SIZE B
		SHEET 1 OF 2	



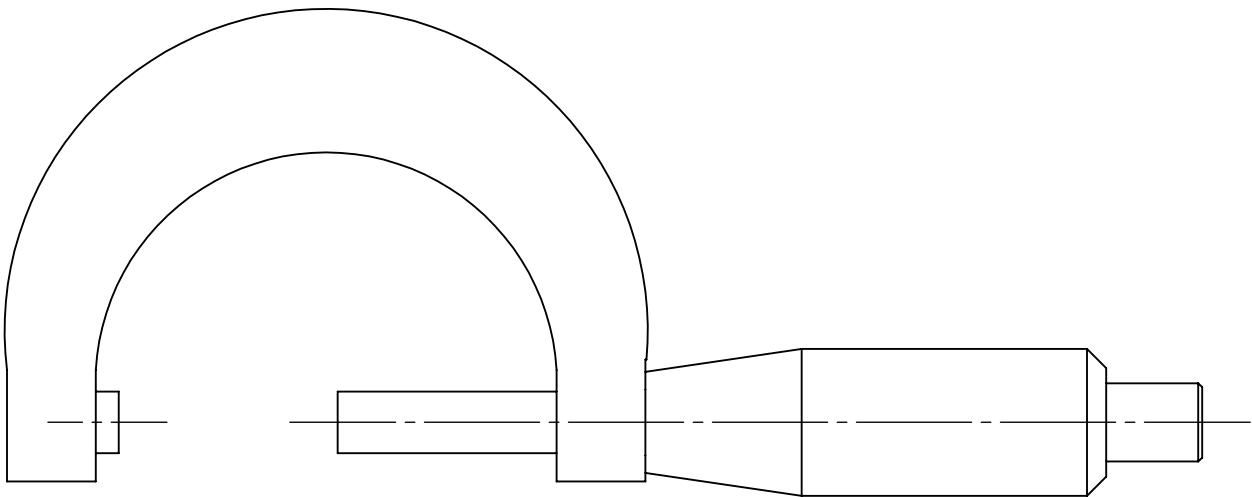
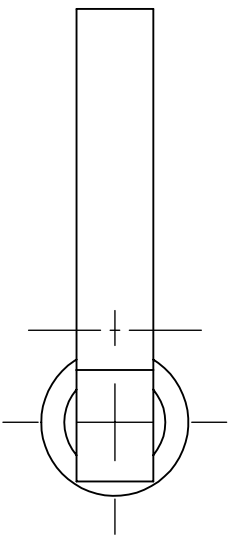
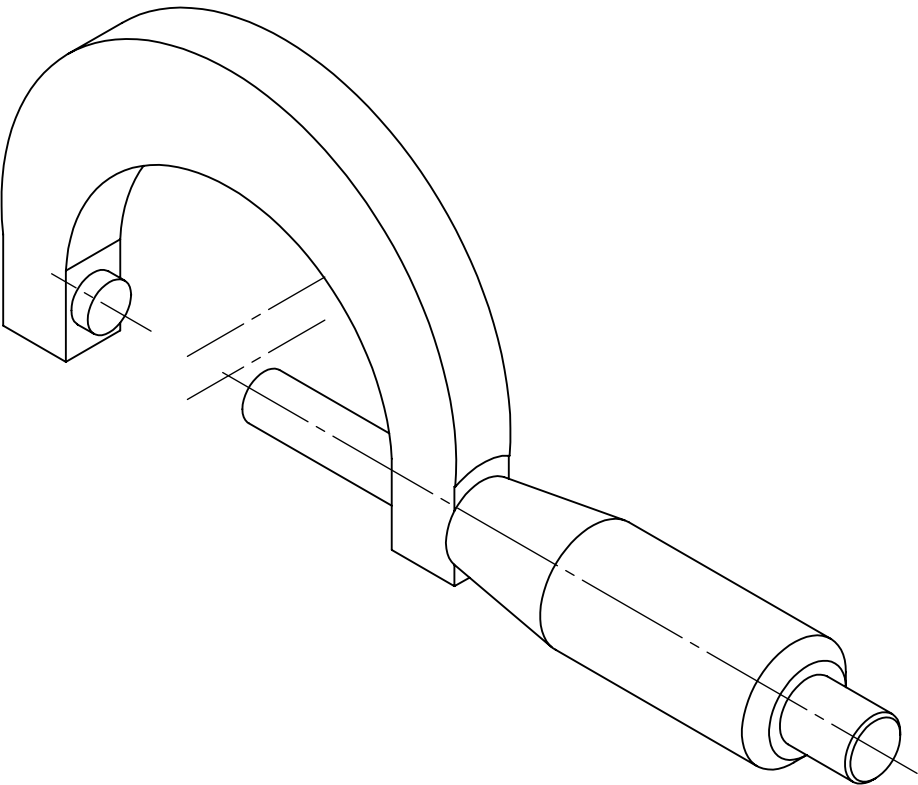
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SAMPLE FABRICATION/ASSEMBLY PROCESS	
STOCK DESC/DIMS	micrometer
Purchaed manufactured item	



DRAWN BY Felix Lasch	DATE 11/21/2019	STOCK VENDOR INFO: McMaster-Carr 85205A61	
APPROVALS:		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES ANGLES ARE IN DEGREES 3rd Angle Projection	
AU EMAIL	SINGNATURE	GROUP NAME	
		MATERIAL: AISI 1020	
		TITLE/DESC: micrometer	
		TOLERANCES: ANGULAR ± 1° FRACTIONAL ± 1/8" ONE PLACE DECIMAL ± 0.1" TWO PLACE DECIMAL ± 0.05" THREE PLACE DECIMAL ± 0.005"	
		FILE NAME:	micrometer
		DWG. #:	P-031
		REV #:	
		SCALE: 2:1	SIZE B
		SHEET 1 OF 1	

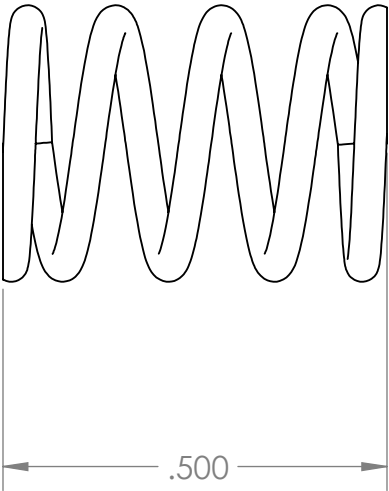
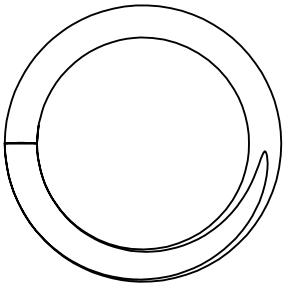
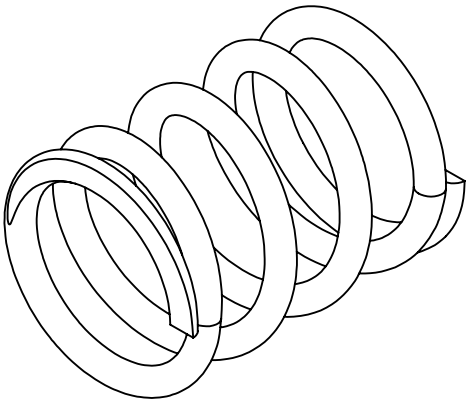
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SAMPLE FABRICATION/ASSEMBLY PROCESS	
STOCK DESC/DIMS	Compression Spring
Purchased manufacturer Item	



DRAWN BY Felix Lasch	DATE 11/21/2019	STOCK VENDOR INFO: McMaster-Carr 2022N161	
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: Compression Spring	
		TOLERANCES: ANGULAR ± 1° FRACTIONAL ± 1/8" ONE PLACE DECIMAL ± 0.1" TWO PLACE DECIMAL ± 0.05" THREE PLACE DECIMAL ± 0.005"	
		FILE NAME: Compression Spring	
		DWG. #: P-032	REV #:
		SCALE: 4:1	SIZE B
		SHEET 1 OF 1	

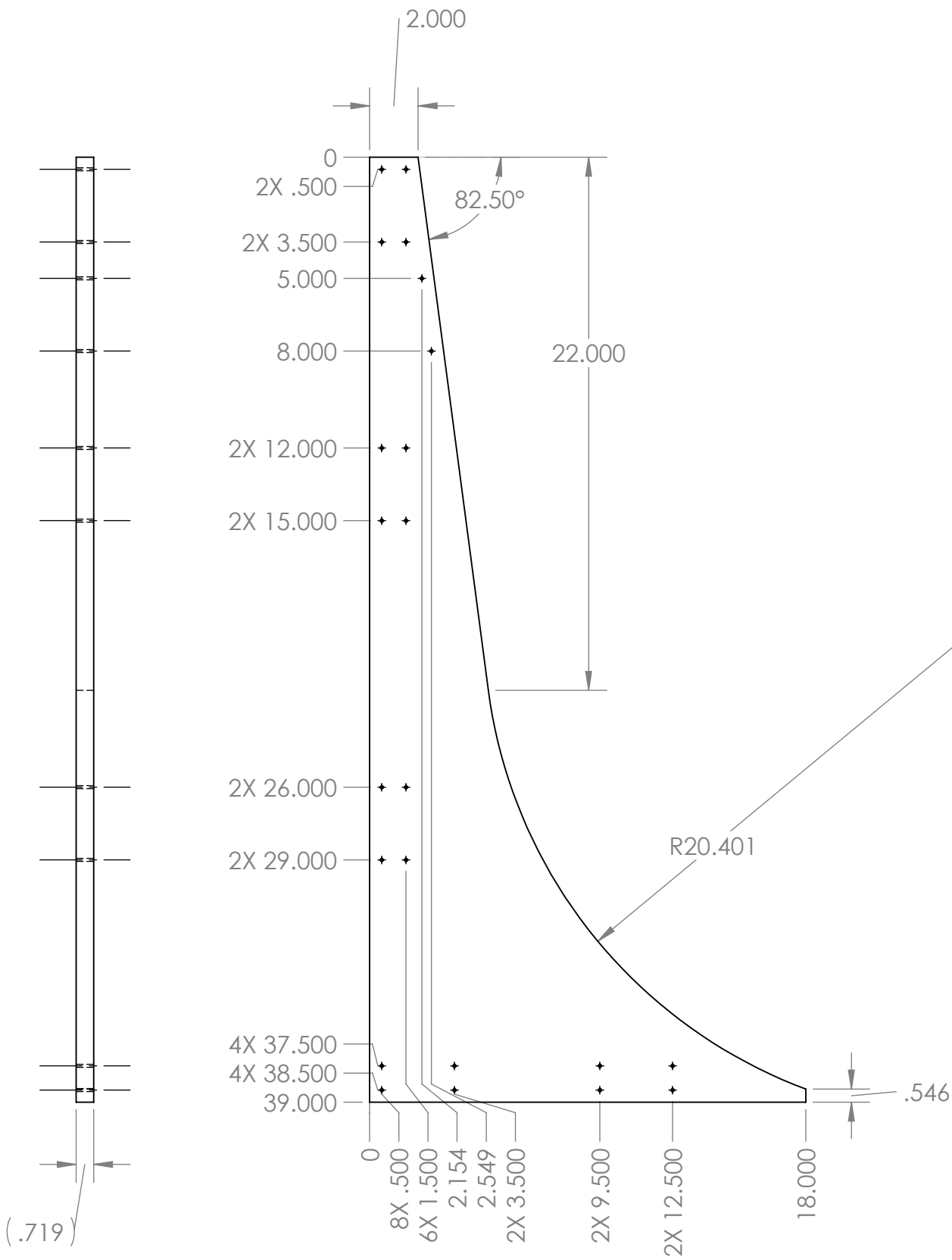
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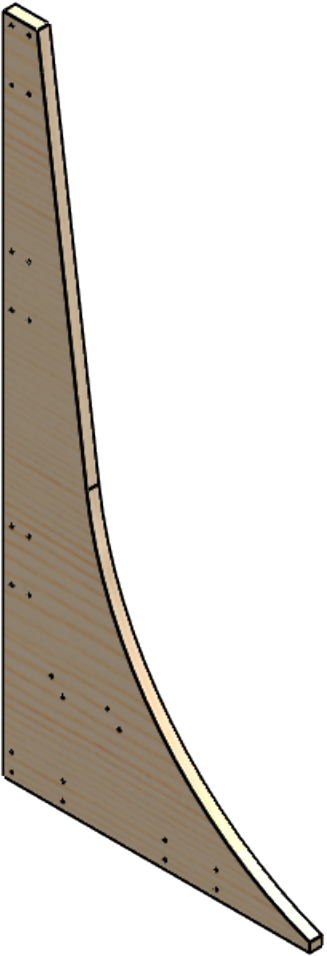
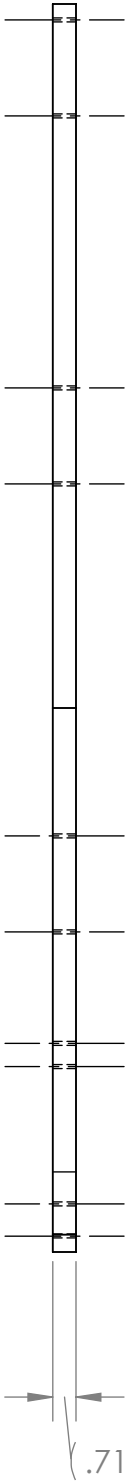
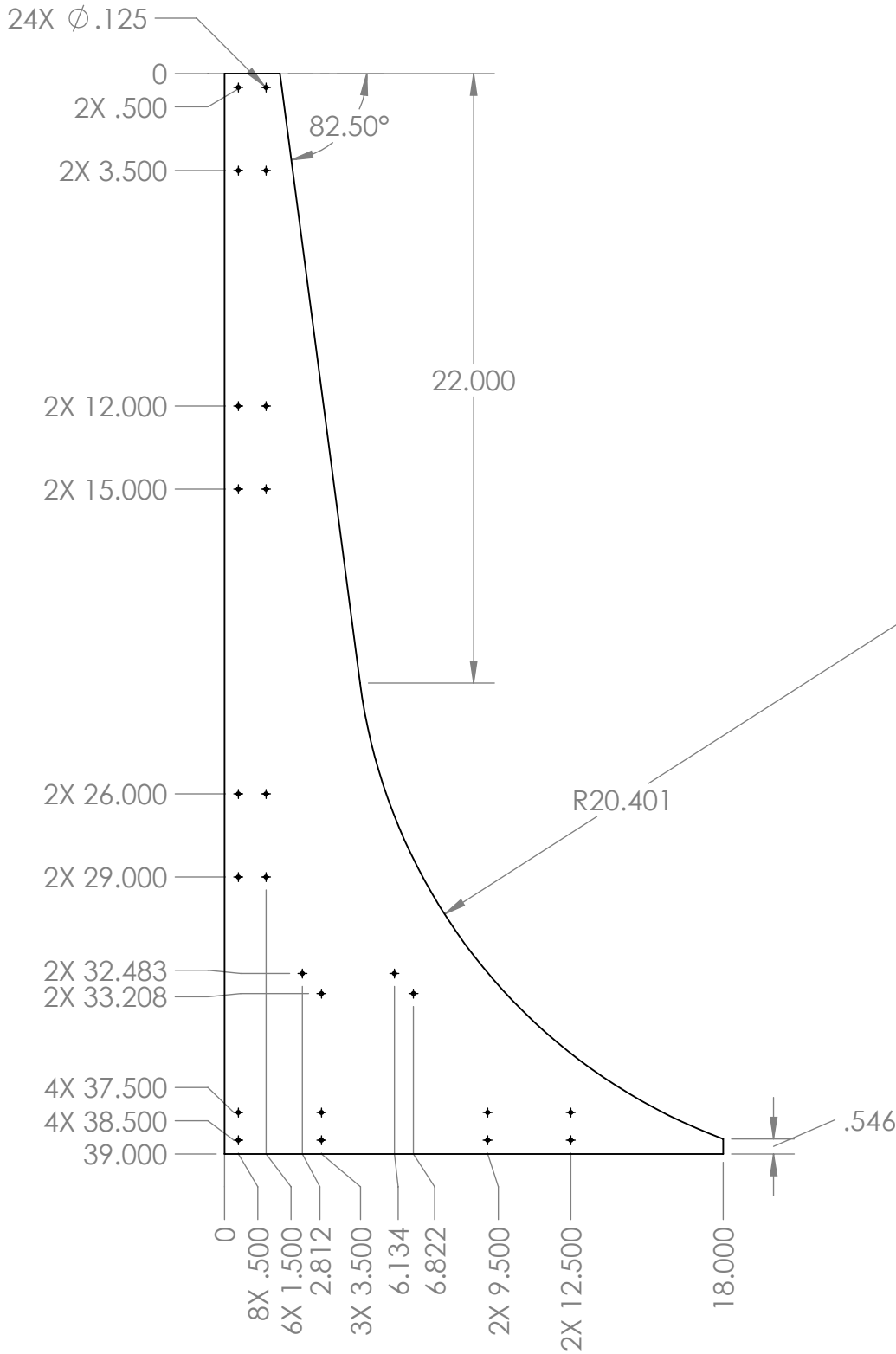
SAMPLE FABRICATION/ASSEMBLY PROCESS	
STOCK DESC/DIMS	BC SANDED PINE PLYWOOD 23/32 in. x 4 ft. x 8ft.
1.	USE CIRCULAR SAW TO CUT OUT A RECTANGLE WITH CORRECT LENGTH AND HEIGHT SPECIFIED. WIDTH WILL COME FROM THE PURCHASED PRODUCT.
2.	USE BAND SAW TO CUT OUT BASIC CURVE SHAPE OF PART.
3.	SAND EDGES TO MATCH DIMENSIONING WITHIN GIVEN TOLERANCES
4.	USE DRILL WITH 1/8 IN. BIT SIZE TO CREATE HOLES WITHIN GIVEN TOLERANCES



ISOMETRIC VIEW
FOR REFERENCE ONLY
SCALE 1:8

DRAWN BY ANDREW WEIR	DATE 11/21/2019	STOCK VENDOR INFO: Home Depot Model# 201428	
APPROVALS:		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES ANGLES ARE IN DEGREES 3rd Angle Projection	
AU EMAIL	SINGNATURE	GROUP NAME	
		MATERIAL: Pine	
		TITLE/DESC: Ramp Right Side	
		FILE NAME: Left Ramp Side	
		DWG. #: P-033	REV #: A
		SCALE: 1:6	SIZE B
		SHEET 1 OF 1	

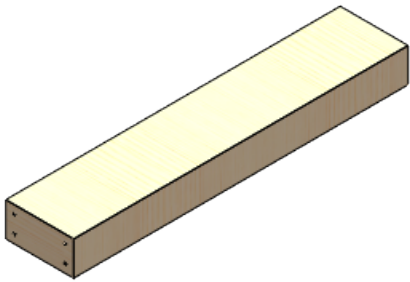
SAMPLE FABRICATION/ASSEMBLY PROCESS	
STOCK DESC/DIMS	BC SANDED PINE PLYWOOD 23/32 in. x 4 ft. x 8ft.
1.	USE CIRCULAR SAW TO CUT OUT A RECTANGLE WITH CORRECT LENGTH AND HEIGHT SPECIFIED. WIDTH WILL COME FROM THE PURCHASED PRODUCT.
2.	USE BAND SAW TO CUT OUT BASIC CURVE SHAPE OF PART.
3.	SAND EDGES TO MATCH DIMENSIONING WITHIN GIVEN TOLERANCES
4.	USE DRILL WITH 1/8 IN. BIT SIZE TO CREATE HOLES WITHIN GIVEN TOLERANCES



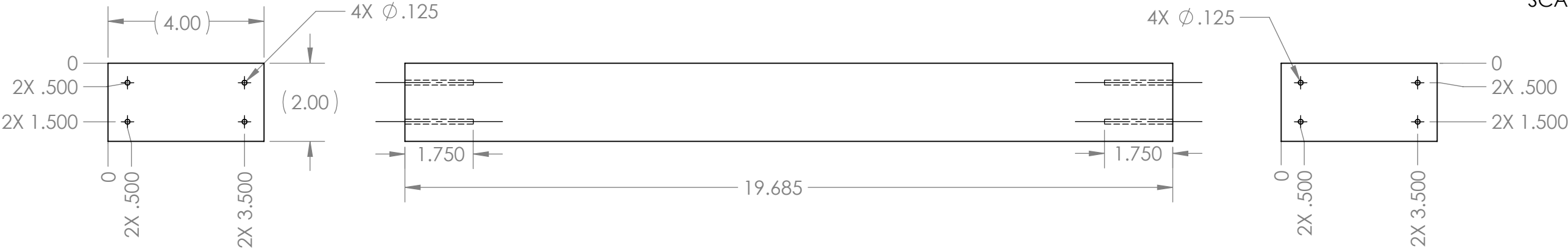
ISOMETRIC VIEW
FOR REFERENCE ONLY
SCALE 1:8

DRAWN BY Andrew Weir	DATE 11/22/2019	STOCK VENDOR INFO: Home Depot Model# 201428	
APPROVALS:		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES ANGLES ARE IN DEGREES 3rd Angle Projection	
AU EMAIL	SINGNATURE	TEAM CARELESS BRONCOS	
		MATERIAL: Pine	
		TITLE/DESC: Ramp Right Side	
		FILE NAME: Ramp Right Side	
		DWG. #: P-034	REV #: D
		SCALE: 1:6	SIZE B
		SHEET 1 OF 1	

SAMPLE FABRICATION/ASSEMBLY PROCESS	
STOCK DESC/DIMS	2 IN. X 4 IN. X 16 FT. SPRUCE PINE FIR LUMBER
1.	USE A CIRCULAR SAW TO CUT THE A BLOCK WITH LENGTH APPROXIMATELY EQUAL TO DIMENSIONS GIVEN. DIMENSIONS FOR WIDTH AND HEIGHT ARE EQUAL TO PURCHASED DIMENSIONS.
2.	USE A DRILL WITH 1/8 IN. TO DRILL THE SMALL HOLES ON BOTH SIDES OF THE BLOCK. THE LOCATION OF THE HOLES SHOULD FALL WITHIN TOLERANCES GIVEN. THE DEPTH OF THE HOLES ONLY HAVE TO FALL WITHIN 1 IN. OF TOLERANCE.
3.	SAND THE SIDES OF THE BLOCK UNTIL ALL TOLERANCES FALL WITHIN GIVEN TOLERANCES.



ISOMETRIC VIEW
FOR REFERENCE ONLY
SCALE 1:8



DRAWN BY ANDREW WEIR	DATE 11/21/2019	STOCK VENDOR INFO: HOME DEPOT MODEL # 0133166	
APPROVALS:		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES ANGLES ARE IN DEGREES 3rd Angle Projection	
AU EMAIL	SIGNATURE	CARELESS BRONCOS	
		MATERIAL: Pine	
		TITLE/DESC: RAMP CONNECTING SUPPORT	
		FILE NAME: base support	
		DWG. #: P-035	REV #: A
		SCALE: 1:3	SHEET 1 OF 1
		SIZE B	

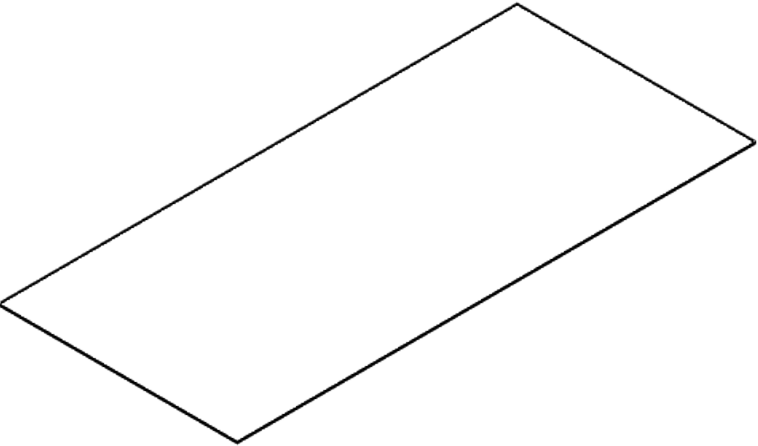
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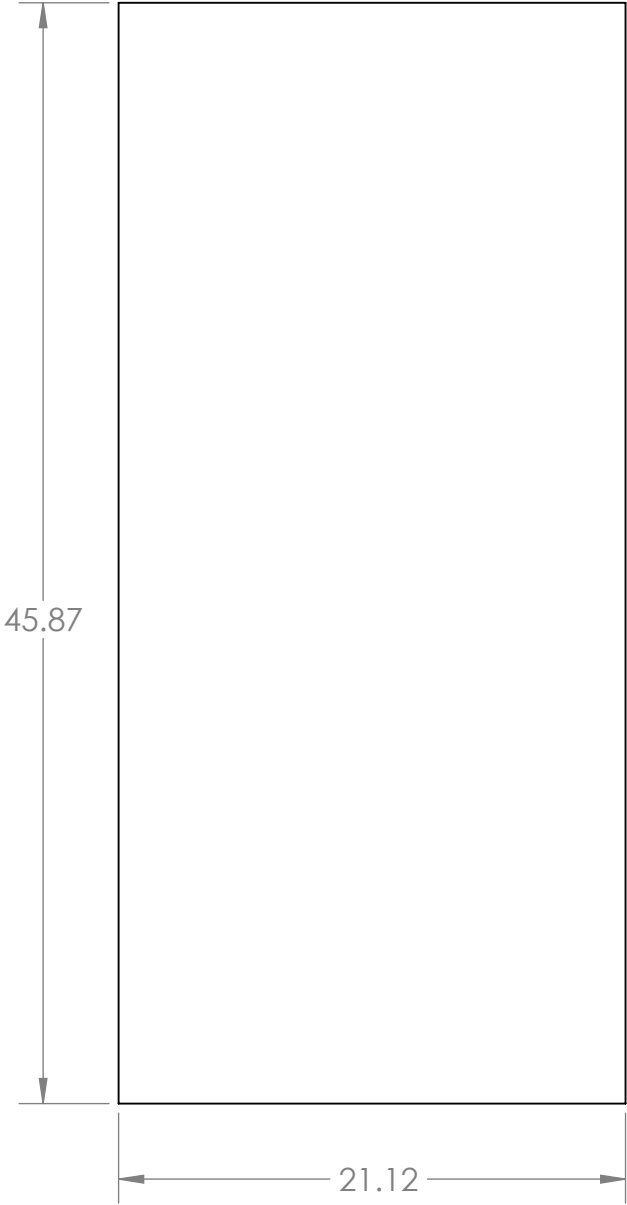
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SAMPLE FABRICATION/ASSEMBLY PROCESS	
STOCK DESC/DIMS	24 IN. W x 3 FT. L Galvanized Steel Sheet Metal
1.	USE A PAIR OF TIN SNIPS TO CUT THE SHEET METAL WITH APPROXIMATE LENGTH AND HEIGHT GIVEN.
2.	USE SAND PAPER TO SAND THE EDGES OF THE SHEET OF METAL UNTIL ALL DIMENSIONS ARE WITHIN TOLERANCE.



ISOMETRIC VIEW
FOR REFERENCE ONLY
SCALE 1:12



(.013)

DRAWN BY ANDREW WEIR	DATE 11/21/2019	STOCK VENDOR INFO: LOWE'S MODEL # GVL0108	
APPROVALS:		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES ANGLES ARE IN DEGREES 3rd Angle Projection	
AU EMAIL	SINGNATURE	CARELESS BRONCOS	
		MATERIAL: Galvanized Steel	
		TITLE/DESC: Ramp Top	
		FILE NAME: ramp top	
		DWG. #: P-036	REV #: A
		SCALE: 1:8	SIZE B
			SHEET 1 OF 2

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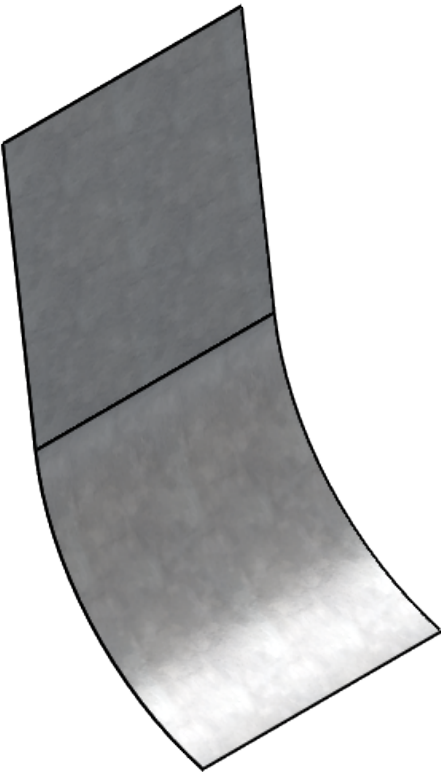
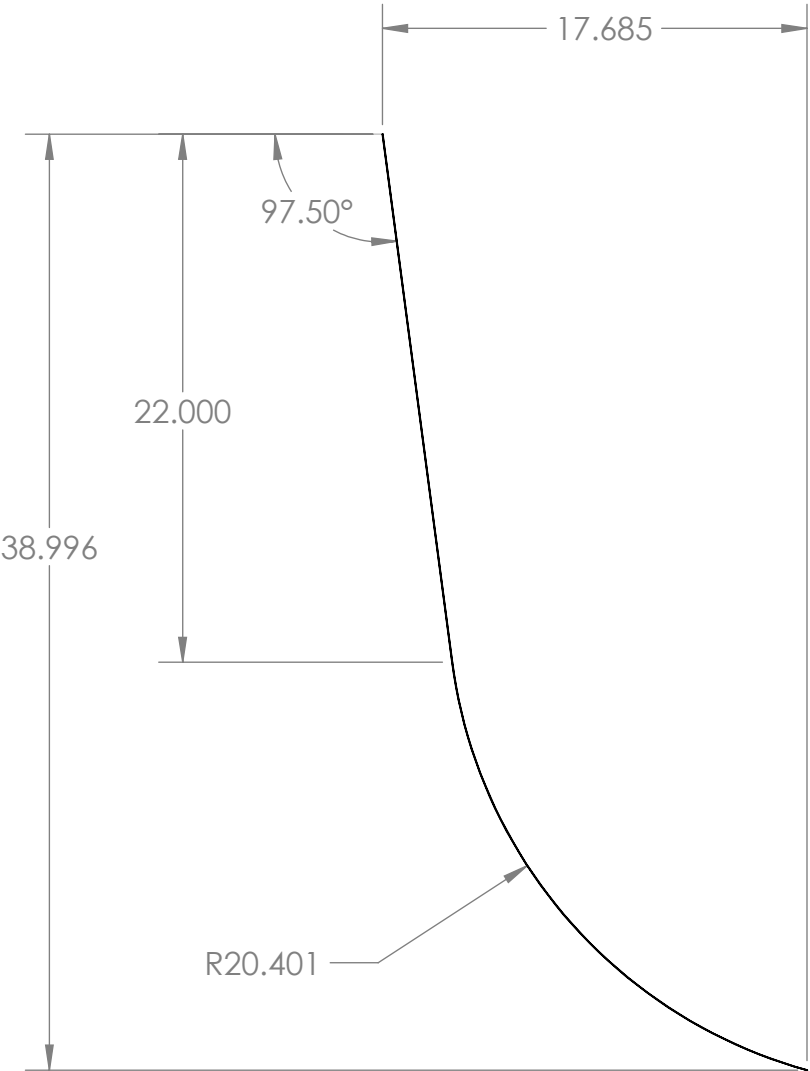
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SAMPLE FABRICATION/ASSEMBLY PROCESS	
STOCK DESC/DIMS	24 IN. W x 3 FT. L Galvanized Steel Sheet Metal
1.	USE HANDS TO BEND SHEET METAL UNTIL IT IS IN APPROXIMATE POSITION SHOWN.
2.	LINE THE SHEET METAL UP TO THE TOP OF THE RAMP, THEN USE PHYSICAL FORCE TO BEND THE METAL UNTIL IT IS FLUSH WITH THE TOP SURFACE OF THE RAMP.



ISOMETRIC VIEW
FOR REFERENCE ONLY
SCALE 1:12

DRAWN BY ANDREW WEIR	DATE 11/21/2019	STOCK VENDOR INFO: LOWE'S MODEL # GVL0108	
APPROVALS:		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES ANGLES ARE IN DEGREES 3rd Angle Projection	
AU EMAIL	SINGNATURE	CARELESS BRNCOS	
		MATERIAL: Galvanized Steel	
		TITLE/DESC: Ramp Top	
		FILE NAME: ramp top	
		DWG. #: P-036	REV #: A
		SCALE: 1:8	SHEET 2 OF 2
		SIZE B	

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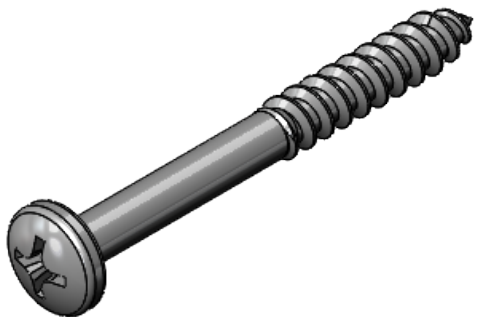
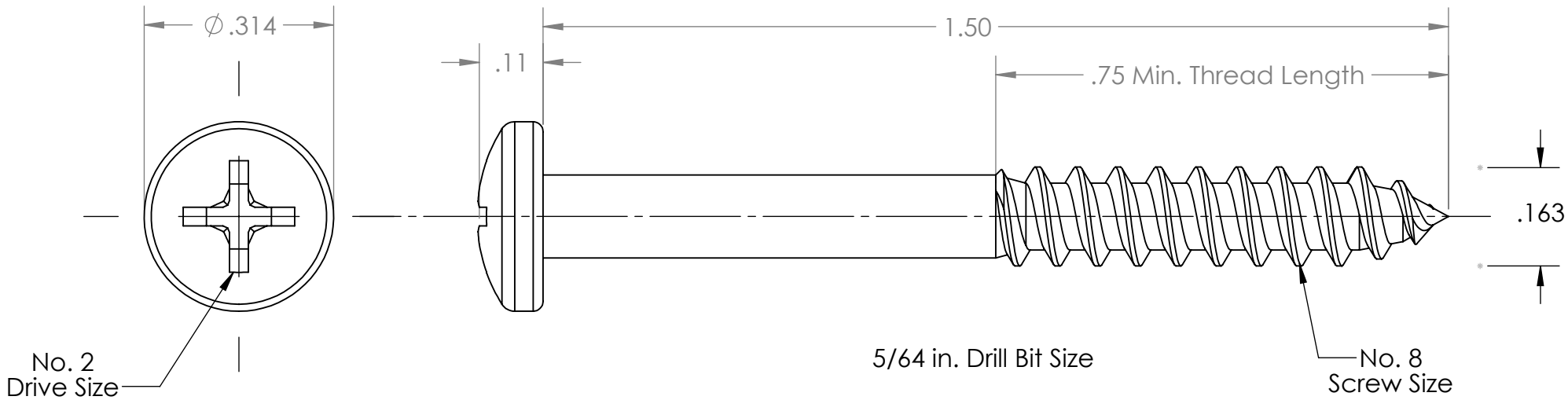
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SAMPLE FABRICATION/ASSEMBLY PROCESS	
STOCK DESC/DIMS	Screw Rounded Head,No. 8 Size,1-1/2" Long
1. PURCHASE FROM MANUFACTURER	



ISOMETRIC VIEW
FOR REFERENCE ONLY
SCALE 2:1

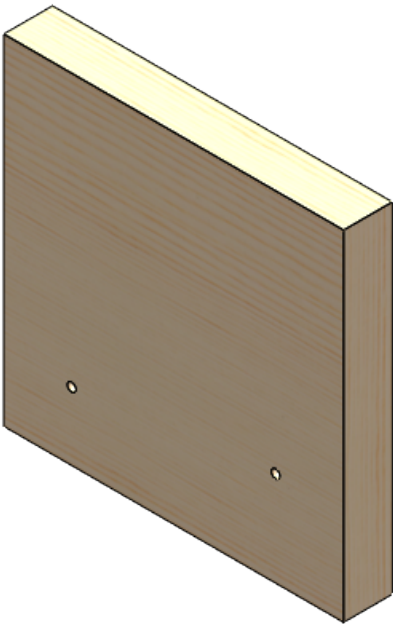
DRAWN BY Andrew Weir	DATE 11/21/2019	STOCK VENDOR INFO: MCMaster-CARR ITEM NO. 93360A255		
APPROVALS:		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES ANGLES ARE IN DEGREES 3rd Angle Projection		
AU EMAIL	SIGNATURE	CARELESS BRONCOS		
		MATERIAL: Stainless Steel		
		TITLE/DESC: Wood Screw No. 8 Size, 1-1/2" Long		
		FILE NAME: Smaller Wood Screw		
		DWG. #: P-037	REV #: A	
		SCALE: 4:1	SIZE B	SHEET 1 OF 1

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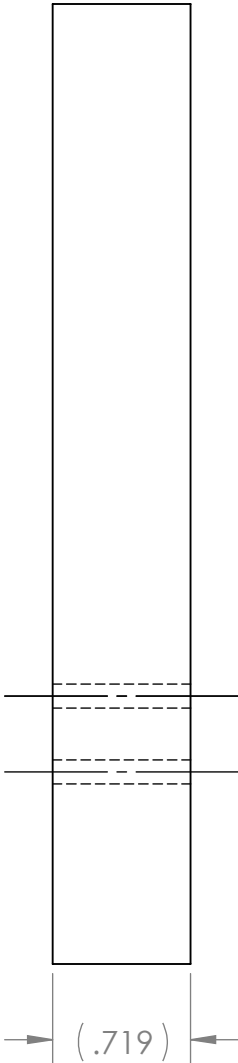
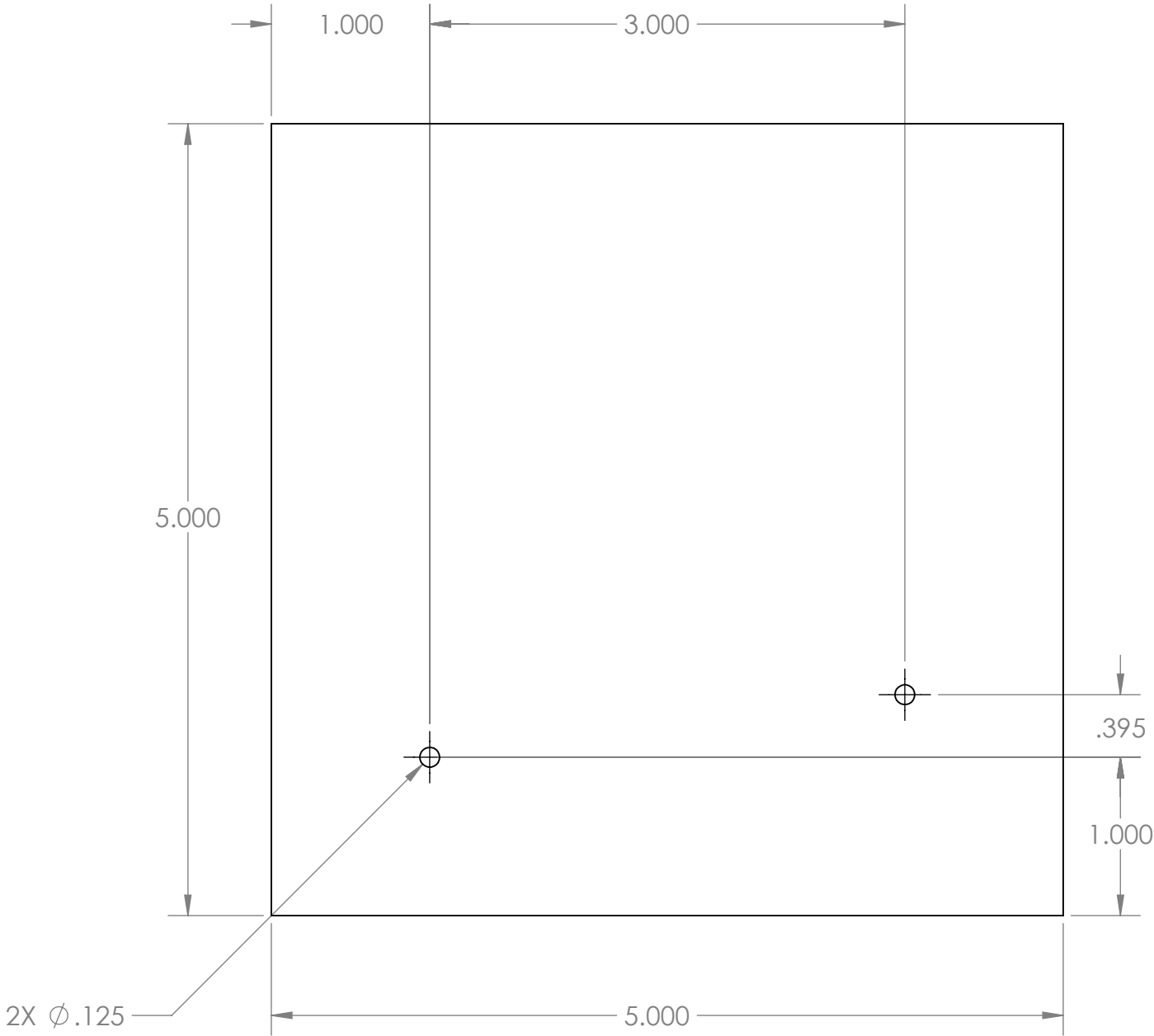
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SAMPLE FABRICATION/ASSEMBLY PROCESS	
STOCK DESC/DIMS	BC SANDED PINE PLYWOOD 23/32 IN. X 4 FT. X 8 FT.
1.	USE CIRCULAR SAW TO CUT A BLOCK WITH APPROXIMATE HEIGHT AND WEIGHT SHOWN. WIDTH OF BLOCK WILL COME FROM PURCHASED PRODUCT.
2.	USE A DRILL WITH 1/8 IN. BIT SIZE TO DRILL HOLES IN APPROPRIATE LOCATIONS. LOCATIONS SHOULD FALL WITHIN TOLERANCES.
3.	USE SAND PAPER TO SAND EDGES OF BLOCK UNTIL ALL DIMENSIONS ARE WITHIN TOLERANCE.



ISOMETRIC VIEW
FOR REFERENCE ONLY
SCALE 1:2

DRAWN BY ANDREW WEIR	DATE 11/21/2019	STOCK VENDOR INFO: HOME DEPOT # 201428	
APPROVALS:		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES ANGLES ARE IN DEGREES 3rd Angle Projection	
AU EMAIL	SINGNATURE	CARELESS BRONCOS	
		MATERIAL: Pine	
		TITLE/DESC: Position Marker	
		FILE NAME: Position Marker	
		DWG. #: P-038	REV #: A
		SCALE: 1:1	SIZE B SHEET 1 OF 1



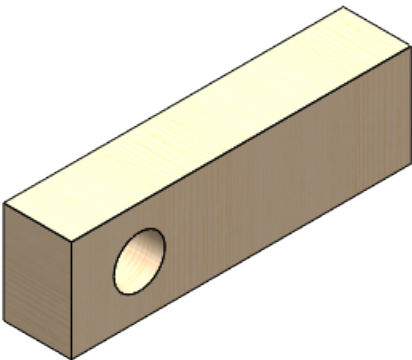
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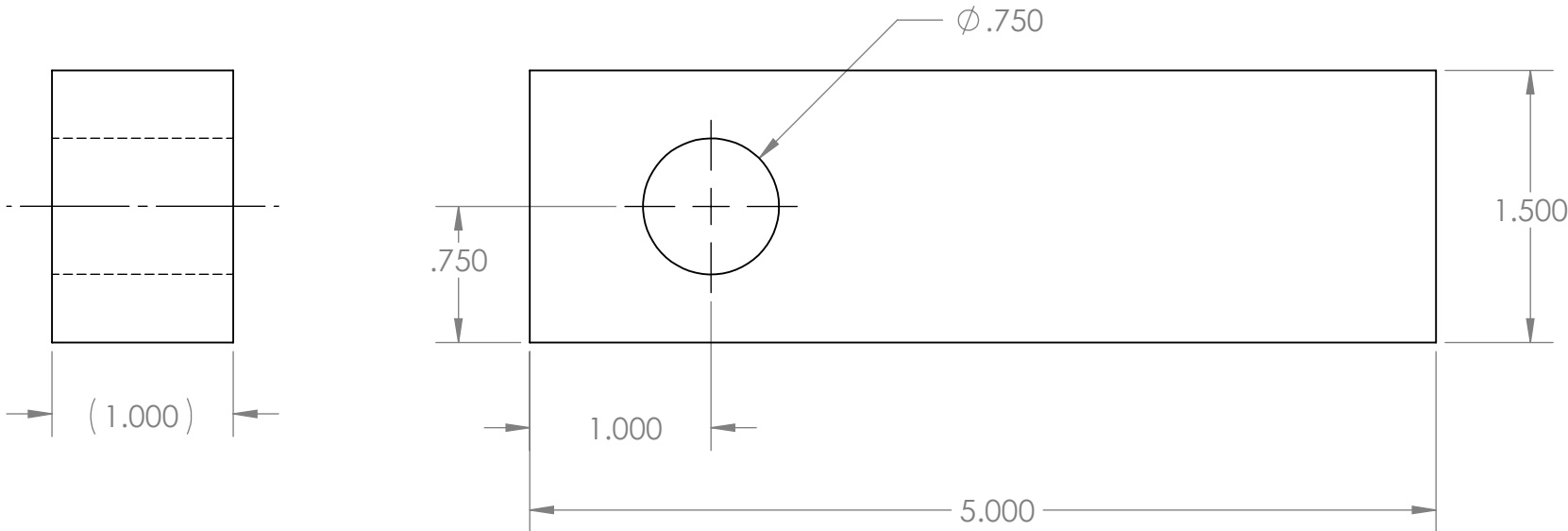
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SAMPLE FABRICATION/ASSEMBLY PROCESS	
STOCK DESC/DIMS	SELECT PINE BOARD 1in. X 6in. X 6ft.
1.	USE A CIRCULAR SAW TO CUT A BLOCK WITH LENGTH AND HEIGHT APPROXIMATELY EQUAL TO DIMENSIONS GIVEN. THE WIDTH SHOULD CORRESPOND TO PURCHASED MATERIAL.
2.	USE A DRILL WITH A BIT SIZE OF .75 IN TO CUT OUT A HOLE IN APPROXIMATE LOCATION GIVEN. THE LOCATION OF THE HOLE SHOULD FIT WITHIN TOLERANCES.
3.	USE SAND PAPER TO SAND THE EDGES OF THE BLOCK AND HOLE UNTIL IT FITS WITHING GIVEN TOLERANCES.



ISOMETRIC VIEW
FOR REFERENCE ONLY
SCALE 1:2



DRAWN BY Andrew Weir	DATE 11/21/2019	STOCK VENDOR INFO: HOME DEPOT MODEL #928787	
APPROVALS:		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES ANGLES ARE IN DEGREES 3rd Angle Projection	
AU EMAIL	SINGNATURE	CARELESS BRNCOS	
		MATERIAL: Pine	
		TITLE/DESC: RELEASE LEVER	
		FILE NAME: Release Lever	
		DWG. #: P-039	REV #: A
		SCALE: 1:1	SHEET 1 OF 1
		SIZE B	

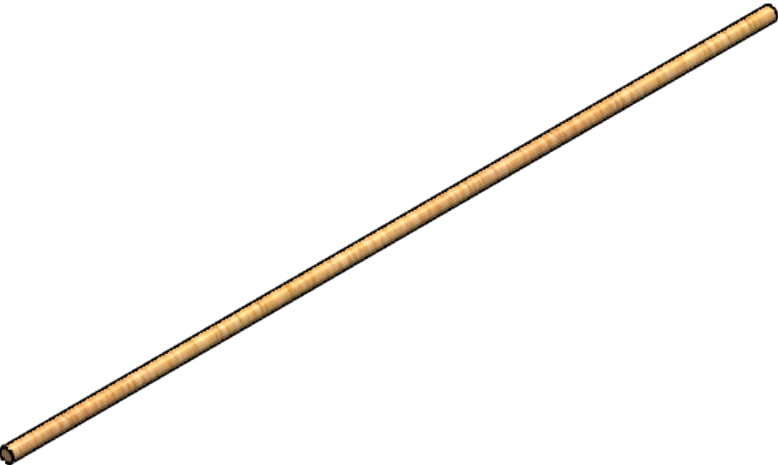
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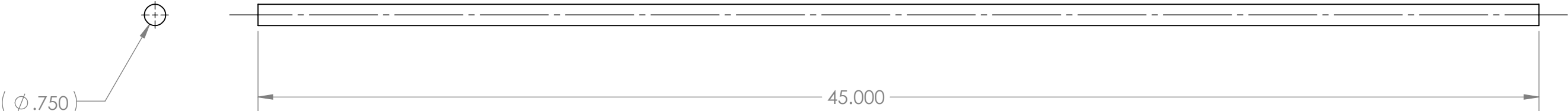
2

1

SAMPLE FABRICATION/ASSEMBLY PROCESS	
STOCK DESC/DIMS	3/4 IN. X 36 IN. OAK ROUND DOWEL
1.	USE A CIRCULAR SAW TO CUT A DOWEL WITH APPROXIMATE LOCATION SPECIFIED. THE DIAMETER OF THE DOWEL SHOULD CORRESPOND TO THAT OF PURCHASED MATERIAL.
2.	USE SAND PAPER TO SAND THE BASE OF THE DOWEL UNTIL IT IS WITHIN GIVEN TOLERANCES.



ISOMETRIC VIEW
FOR REFERENCE ONLY
SCALE 1:8



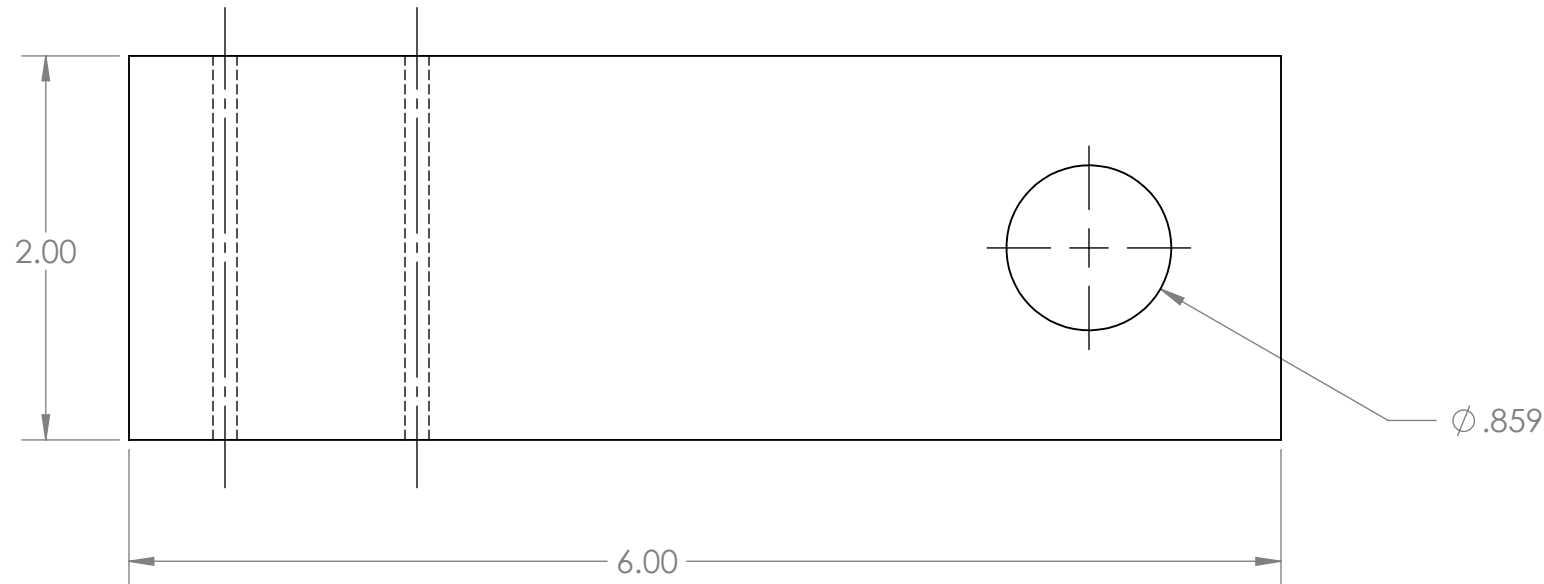
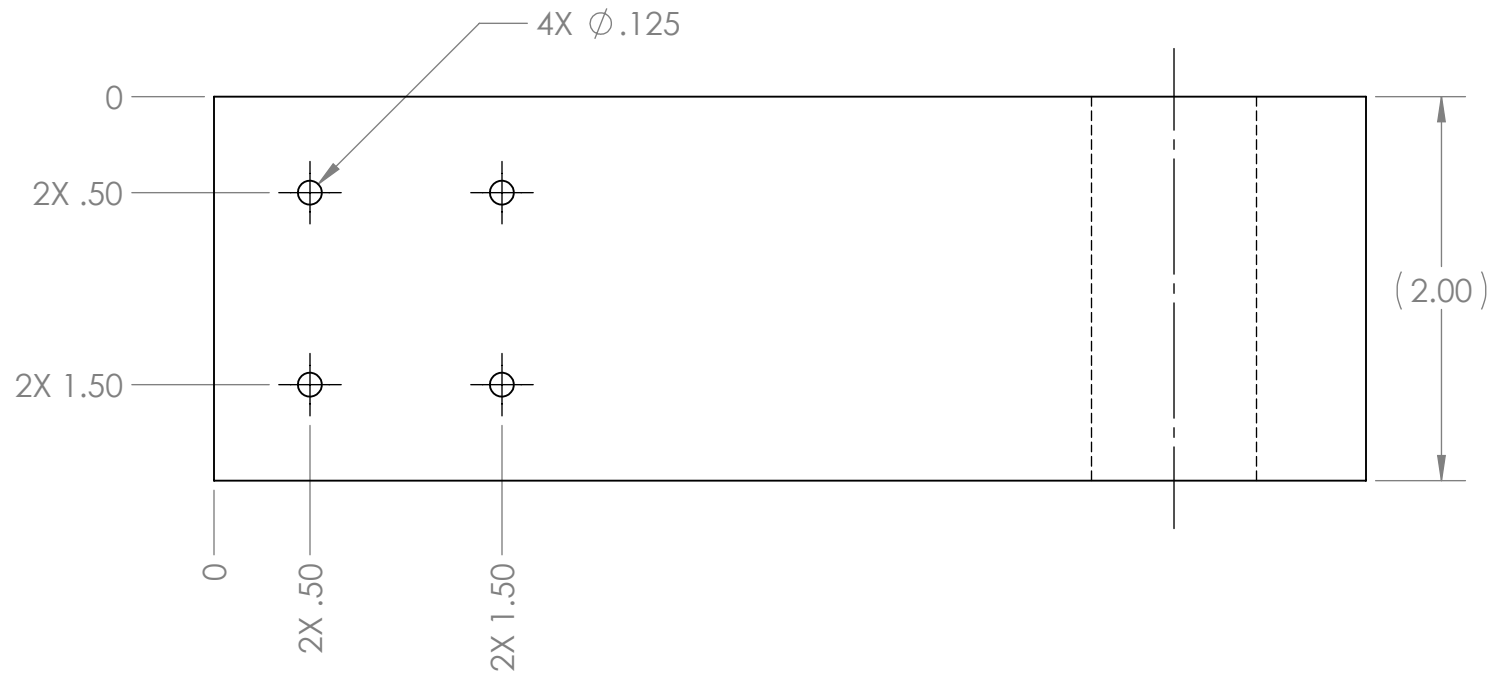
DRAWN BY Joe Ragan	DATE 11/21/2019	STOCK VENDOR INFO: HOME DEPOT MODEL #HDDO3436	
APPROVALS:		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES ANGLES ARE IN DEGREES 3rd Angle Projection	
AU EMAIL	SINGNATURE	CARELESS BRONCOS	
		MATERIAL: Oak	
		TITLE/DESC: RELEASE DOWEL	
		TOLERANCES: ANGULAR ± 1° FRACTIONAL ± 1/8" ONE PLACE DECIMAL ±0.1" TWO PLACE DECIMAL ±0.13" THREE PLACE DECIMAL ±0.125"	
		FILE NAME:	Release Dowel
		DWG. #:	P-040
		REV #:	A
		SCALE: 1:4	SIZE B
		SHEET 1 OF 1	

B

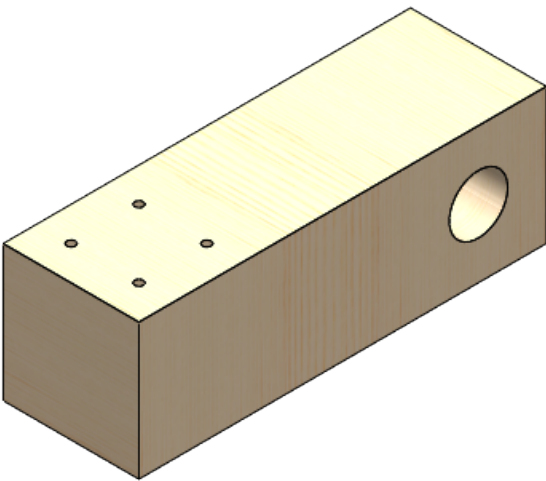
A

B

A



SAMPLE FABRICATION/ASSEMBLY PROCESS	
STOCK DESC/DIMS	2 IN. X 4 IN. X 16 FT. SPRUCE PINE FIR LUMBER
1.	USE A CIRCULAR SAW TO CUT A WOOD BLOCK WITH HEIGHT AND LENGTH APPROXIMATELY EQUAL TO DIMENSIONS GIVEN.
2.	USE A DRILL WITH A 1/8 IN. DRILL BIT TO DRILL THE SMALL PILOT HOLES. THE LOATION OF THE HOLES SHOULD FALL WITHIN TOLERANCES.
3.	USE A DRILL WITH A 55/64 IN. DRILL BIT TO DRILL THE LARGER HOLE. THE LOCATION OF HOLE SHOULD CORRESPOND TO THE GIVEN DIMENSIONS WITHIN TOLERANCE.
4.	SAND THE SIDES OF THE BLOCK UNTIL ALL DIMENSIONS ARE WITHIN TOLERANCE.



ISOMETRIC VIEW
FOR REFERENCE ONLY
SCALE 1:2

DRAWN BY ANDREW WEIR	DATE 11/21/2019	STOCK VENDOR INFO: HOME DEPOT MODEL # 0133166	
APPROVALS:		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES ANGLES ARE IN DEGREES 3rd Angle Projection	
AU EMAIL	SINGNATURE	CARELESS BRONCOS	
		MATERIAL: Pine	
		TITLE/DESC: RELEASE CONNECTING SUPPORT	
		FILE NAME: Release support	
		DWG. #: P-041	REV #: A
		SCALE: 1:1	SIZE B
		SHEET 1 OF 1	

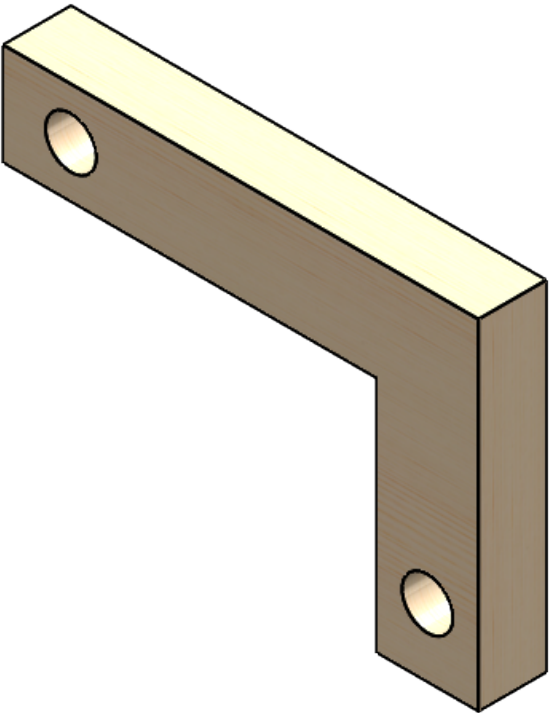
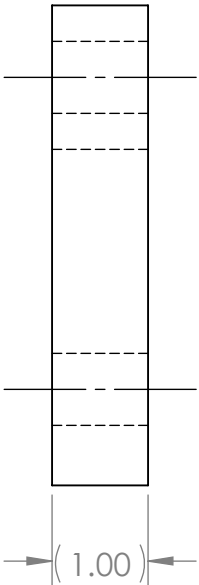
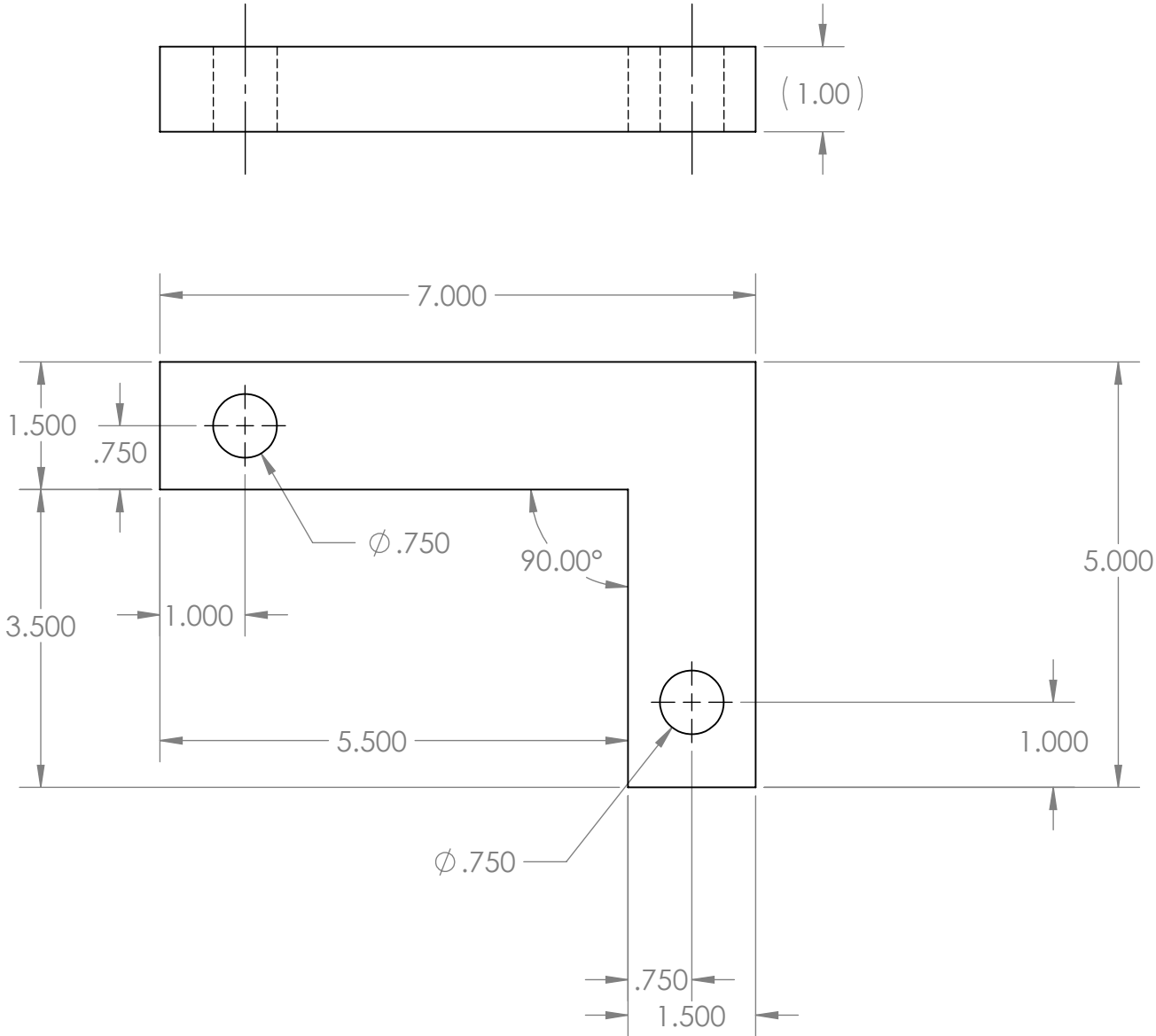
B

B

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A

SAMPLE FABRICATION/ASSEMBLY PROCESS	
STOCK DESC/DIMS	SELECT PINE BOARD 1in. X 6in. X 6ft.
1.	USE A CIRCULAR SAW TO CUT OUT A BOARD WITH LENGTH AND HEIGHT APPROXIMATELY EQUAL TO DIMENSIONS GIVEN.
2.	USE A BAND SAW TO CUT OUT THE INNER RECTANGLE TO CREATE THE HOOK SHAPE. THE CUT SHOULD BE DONE TO APPROXIMATE DIMENSIONS GIVEN.
3.	USE A DRILL WITH APPROPRIATE BIT SIZE TO CREATE HOLES IN THE LOCATIONS GIVEN. BIT SIZE OF .75 IN SHOULD CORRESPOND TO APPROXIMATE DIMENSION GIVEN. LOCATION OF HOLE SHOULD FALL WITHING GIVEN TOLERANCES.
4.	USE SAND PAPER TO SAND THE EDGES OF THE CREATED PART UNTIL EACH DIMENSION IS WITHIN TOLERANCE.



ISOMETRIC VIEW
FOR REFERENCE ONLY
SCALE 1:2

DRAWN BY ANDREW WEIR	DATE 11/21/2019	STOCK VENDOR INFO: HOME DEPOT MODEL #928787	
APPROVALS:		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES ANGLES ARE IN DEGREES 3rd Angle Projection	
AU EMAIL	SINGNATURE	CARELESS BRONCOS	
		MATERIAL: Pine	
		TITLE/DESC: RELEASE HOOK	
		FILE NAME: RELEASE HOOK	
		DWG. #: P-042	REV #: C
		SCALE: 1:2	SIZE B SHEET 1 OF 1

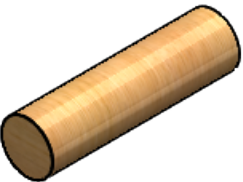
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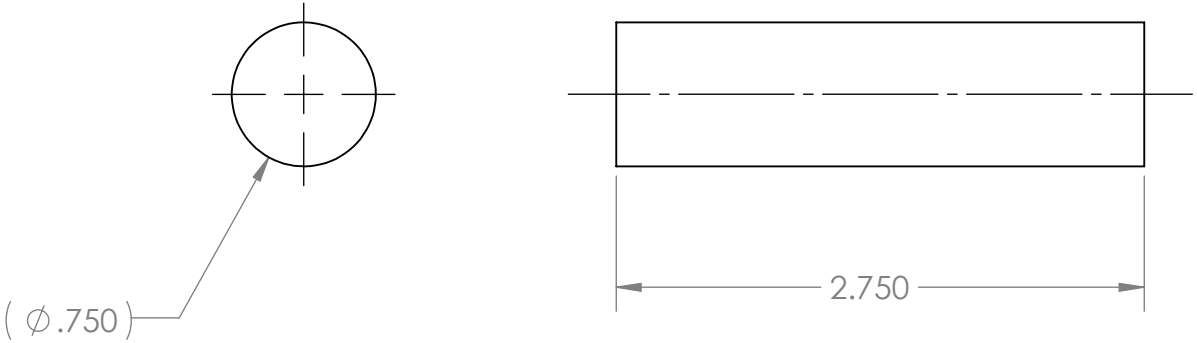
2

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SAMPLE FABRICATION/ASSEMBLY PROCESS	
STOCK DESC/DIMS	3/4 IN. X 36 IN. OAK ROUND DOWEL
1.	USE A CIRCULA SAW TO CUT A DOWEL WITH APPROXIMATE LENGTH SHOWN. THE DIAMETER OF THE DOWEL SHOULD CORRESPOND TO THAT OF THE PURCHASED MATERIAL.
2.	USE SAND PAPER TO SAND THE BASE OF THE DOWEL UNTIL THE LENGTH IS WITHIN THE GIVEN TOLERANCE.



ISOMETRIC VIEW
FOR REFERENCE ONLY
SCALE 1:2



DRAWN BY ANDREW WEIR	DATE 11/22/2019	STOCK VENDOR INFO: HOME DEPOT MODEL # HDDO3436		
APPROVALS:		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES ANGLES ARE IN DEGREES 3rd Angle Projection		
AU EMAIL	SINGNATURE	CARELESS BRONCOS		
		MATERIAL: Oak		
		TITLE/DESC: HOOK DOWEL		
		FILE NAME: Hook Dowel		
		DWG. #:	P-043	REV #: A
		SCALE: 1:1	SIZE B	SHEET 1 OF 1

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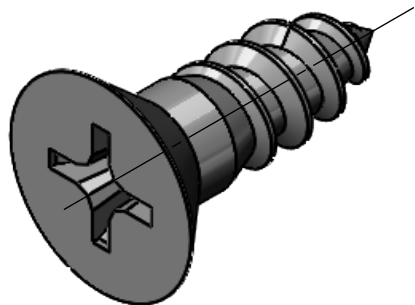
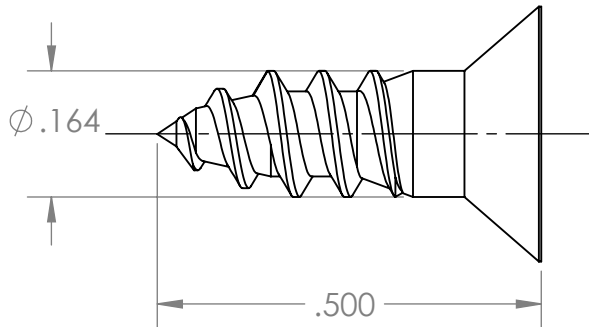
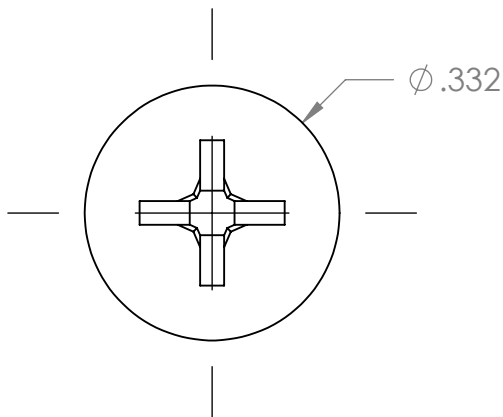
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SAMPLE FABRICATION/ASSEMBLY PROCESS	
STOCK DESC/DIMS	Phillips Flat Head Screw Number 8 Size, 1/2" Long
1. Bought Part	



DRAWN BY Joe Ragan	DATE 12/5/2019	STOCK VENDOR INFO: McMaster Carr 90031A194	
APPROVALS:		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES ANGLES ARE IN DEGREES 3rd Angle Projection	
AU EMAIL	SINGNATURE	Careless Broncos	
		MATERIAL: Zinc-Plated Steel	
		TITLE/DESC: Sight Screw	
		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:	sightscrew
		DWG. #:	P-0044
		REV #:	A
		SCALE: 4:1	SIZE B
		SHEET 1 OF 1	

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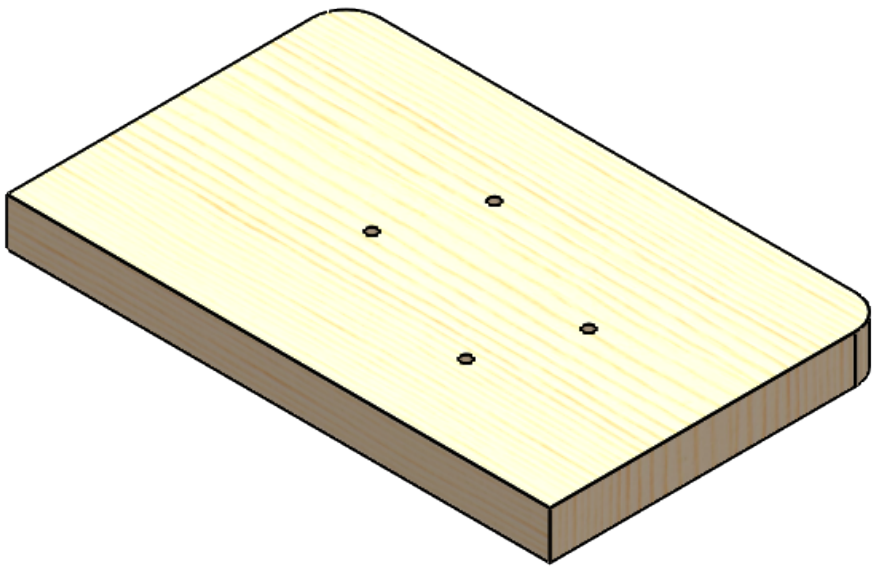
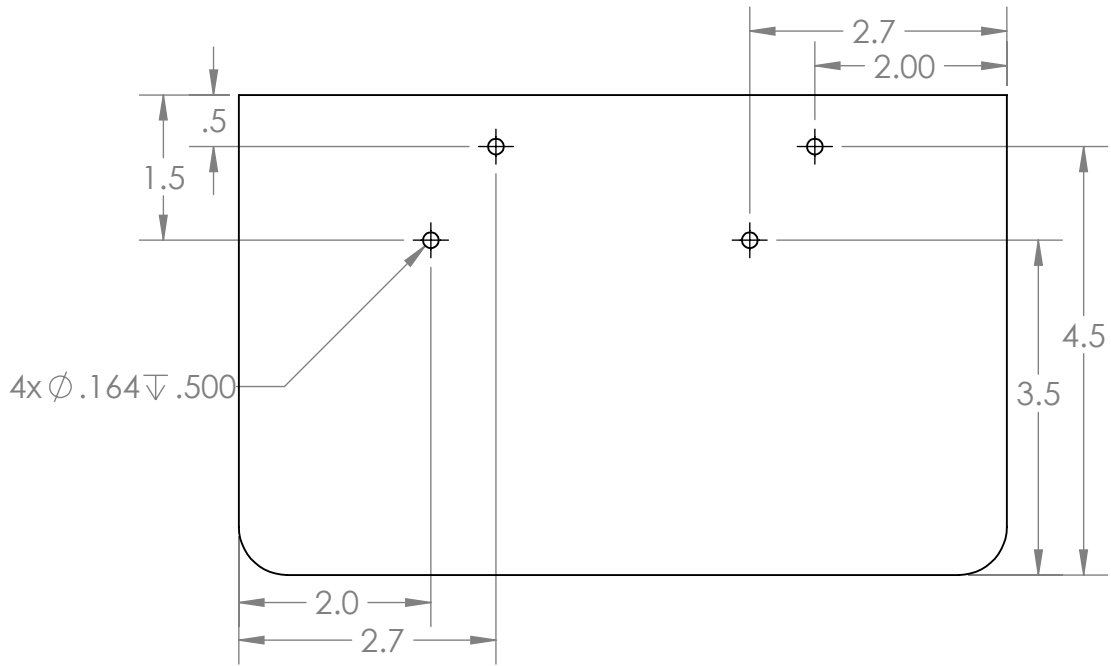
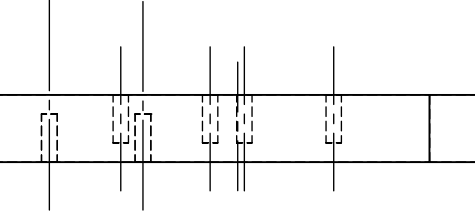
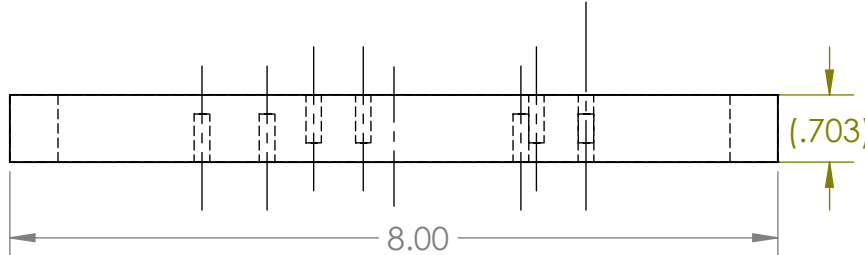
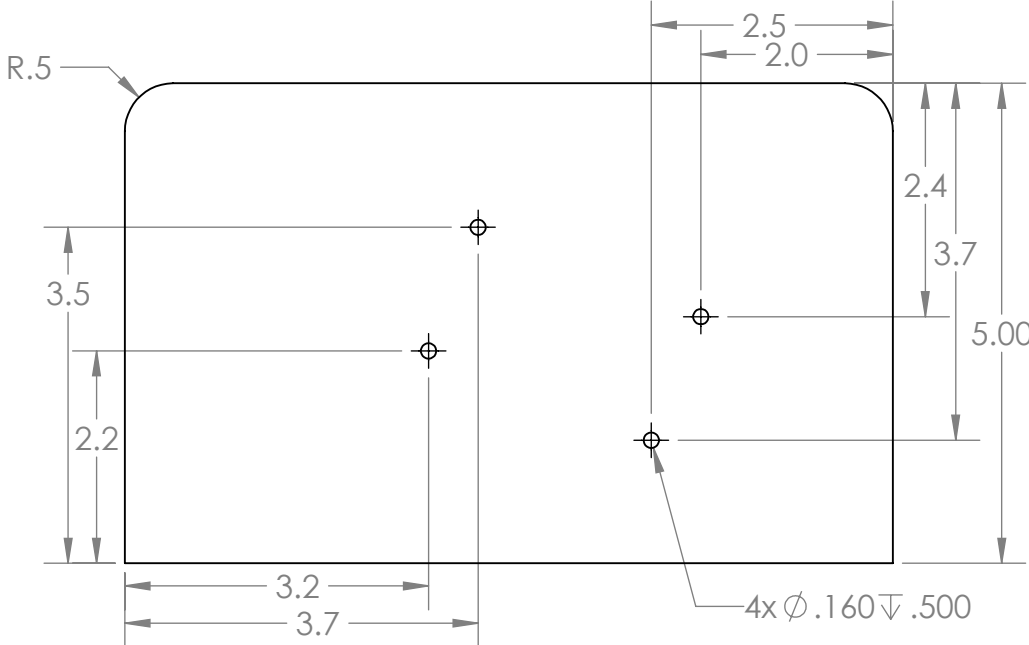
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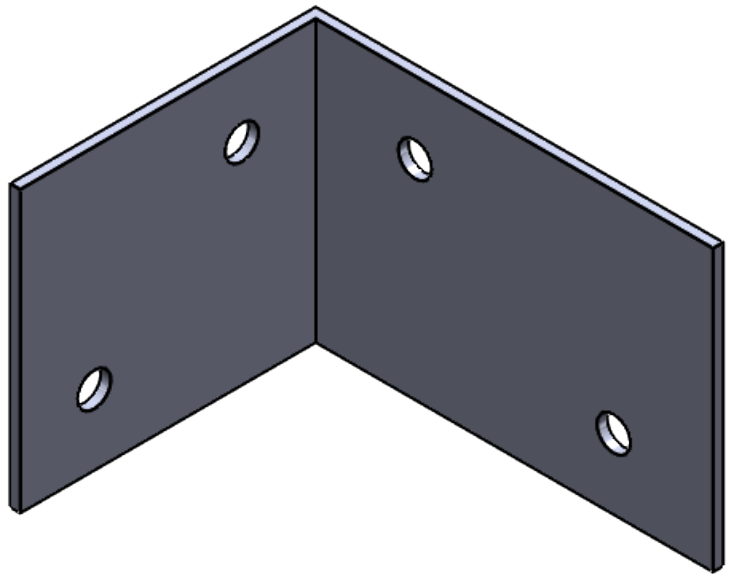
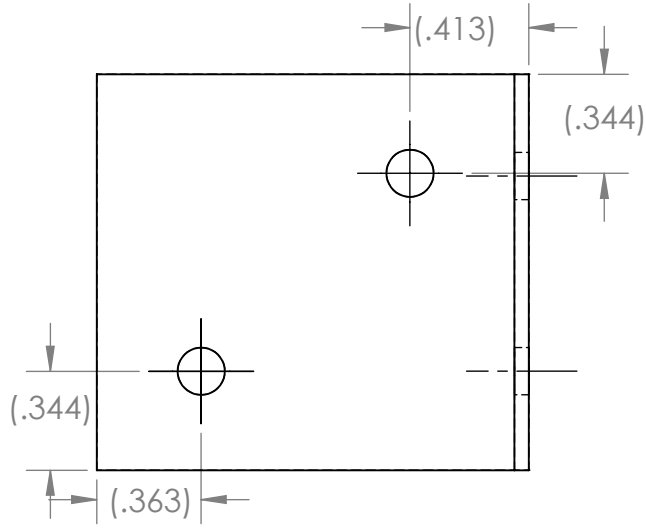
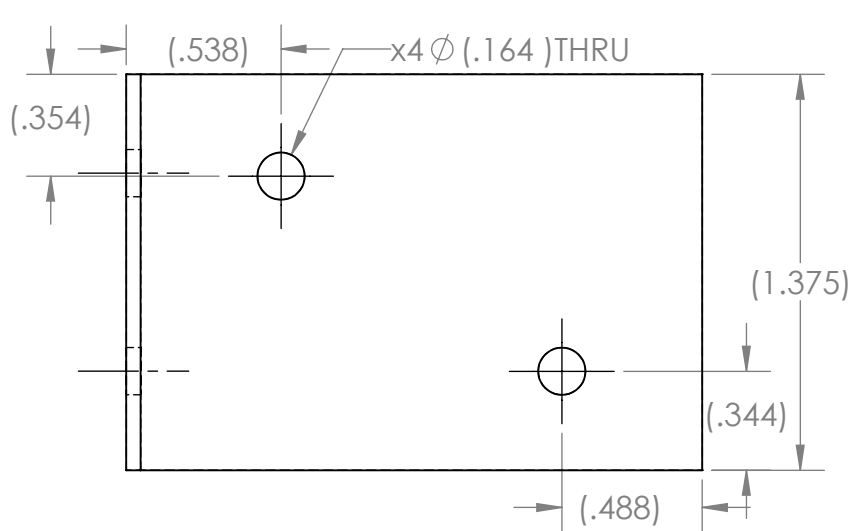
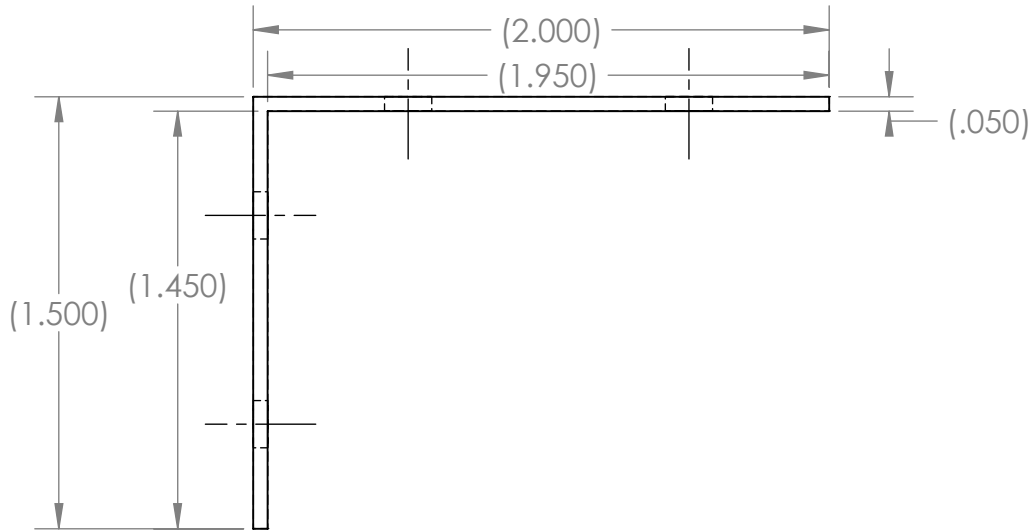
A



SAMPLE FABRICATION/ASSEMBLY PROCESS	
STOCK DESC/DIMS	Sanded Pine Plywood 23/32in.x 2 ft.x4 ft.
1.	USE TABLE SAW TO CUT RECTANGLE WITH DIMENSIONS SPECIFIED IN DRAWING
2.	USE BAND SAW TO ACQUIRE BASIC CURVATURE ON EDGES
3.	SAND SURFACE AND EDGES DOWN TO SIZES SHOWN AND WITHIN TOLERANCES GIVEN
4.	USE DRILL PRESS TO CREATE HOLES WITH SHOWN DIMENSIONS AND WITHIN GIVEN TOLERANCES

DRAWN BY David Chandler	DATE 12/5/2019	STOCK VENDOR INFO: Home Depot Model # 1502108	
APPROVALS:		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES ANGLES ARE IN DEGREES 3rd Angle Projection	
AU EMAIL	SIGNATURE	Team Careless Broncos	
		MATERIAL: Pine	
		TITLE/DESC: Sight Rest	
		TOLERANCES: ANGULAR ± 1° FRACTIONAL ± 1/8" ONE PLACE DECIMAL ± 0.1" TWO PLACE DECIMAL ± 0.13" THREE PLACE DECIMAL ± 0.125"	
		FILE NAME: RampSightdwg	
		DWG. #: P-0045	REV #: D
		SCALE: 1:2	SIZE B
		SHEET 1 OF 1	

SAMPLE FABRICATION/ASSEMBLY PROCESS	
STOCK DESC/DIMS	ZMAX 18-Gauge Galvanized Steel Angle
1. Bought Part	



DRAWN BY Joe Ragan	DATE 12/5/2019	STOCK VENDOR INFO: Home Depot Model # A21Z	
APPROVALS:		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES ANGLES ARE IN DEGREES 3rd Angle Projection	
AU EMAIL	SIGNATURE	Careless Broncos	
		MATERIAL: G185 Galvanized Steel	
		TITLE/DESC: Srew Angle	
		FILE NAME: screwangle	
		DWG. #: P-0046	REV #: A
		SCALE: 2:1	SIZE B
		SHEET 1 OF 1	

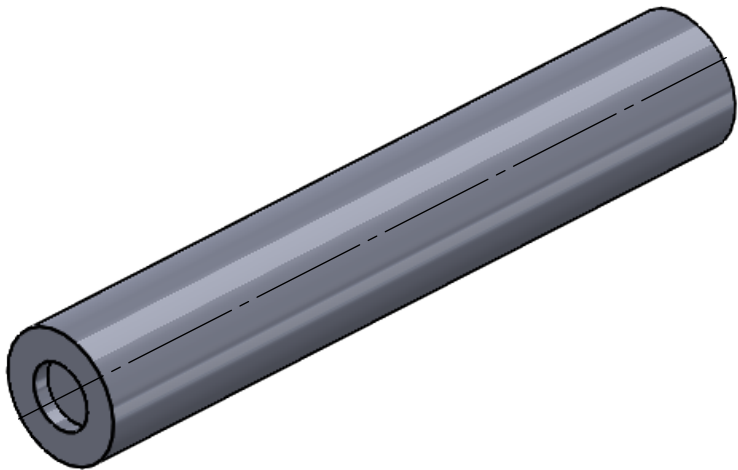
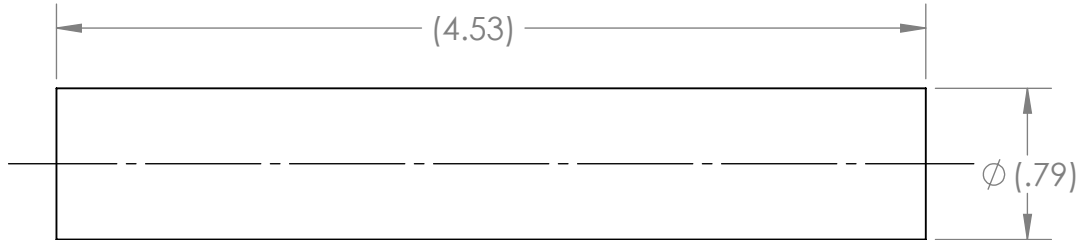
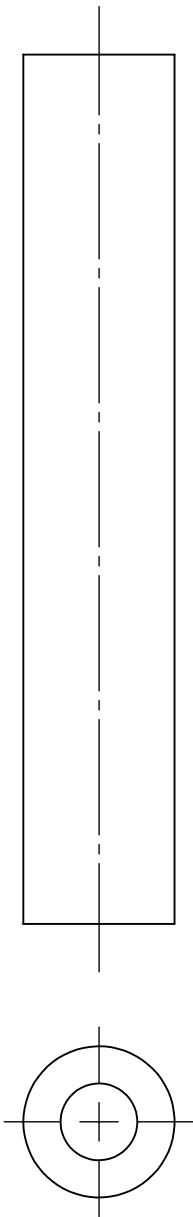
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SAMPLE FABRICATION/ASSEMBLY PROCESS	
STOCK DESC/DIMS	Green Laser Pointer JD-851
1. Bought Part	



DRAWN BY Joe Ragan	DATE 12/5/2019	STOCK VENDOR INFO: Walmart JD-851		
APPROVALS:		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES ANGLES ARE IN DEGREES 3rd Angle Projection		
AU EMAIL	SINGNATURE	Careless Broncos		
		MATERIAL: Aerometal		
		TITLE/DESC: Sight Laser		
		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:	laserpointereal	
		DWG. #:	P-0047	REV #: A
		SCALE: 1:1	SIZE B	SHEET 1 OF 1

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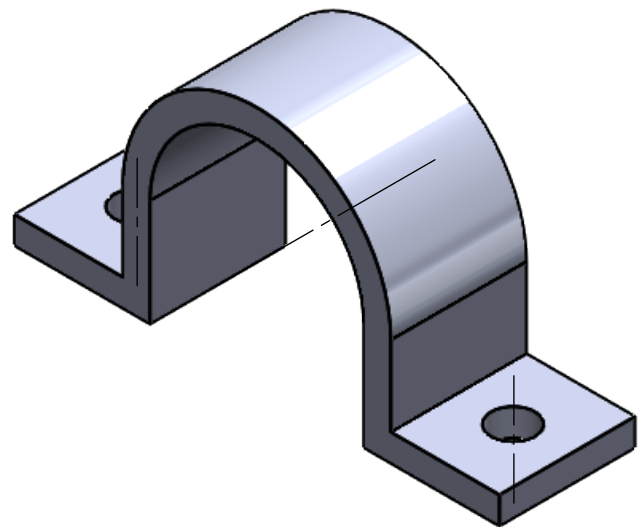
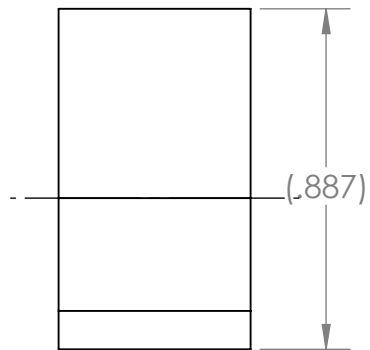
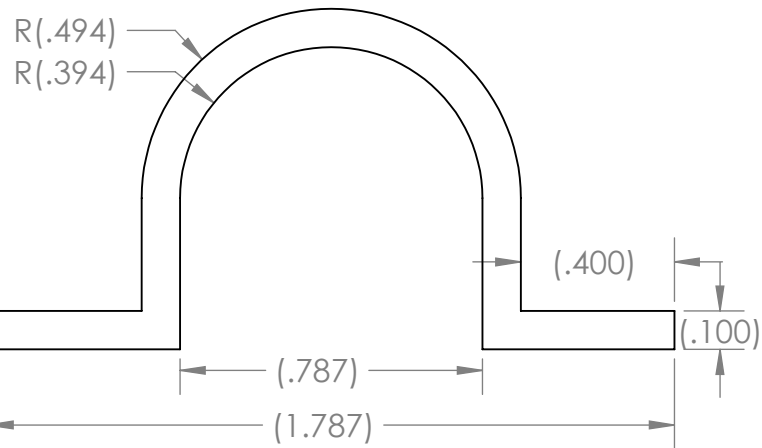
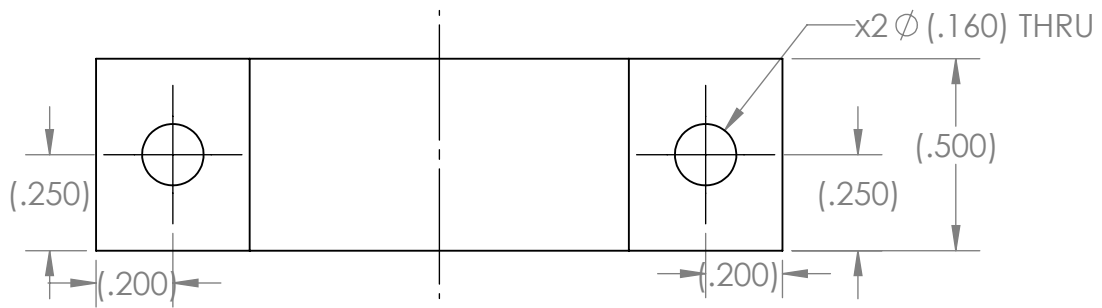
4

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SAMPLE FABRICATION/ASSEMBLY PROCESS	
STOCK DESC/DIMS	1/2 in. PVC Conduit Clamp
1. Bought Part	



DRAWN BY Joe Ragan	DATE 12/5/2019	STOCK VENDOR INFO: Home Depot Model # E977DC-CTN	
APPROVALS:		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES ANGLES ARE IN DEGREES 3rd Angle Projection	
AU EMAIL	SIGNATURE	Careless Broncos	
		MATERIAL: PVC	
		TITLE/DESC: Conduit Clamp	
		FILE NAME: LaserStrap	
		DWG. #: P-0048	REV #: A
		SCALE: 4:1	SHEET 1 OF 1

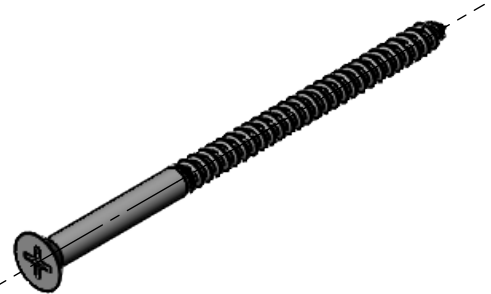
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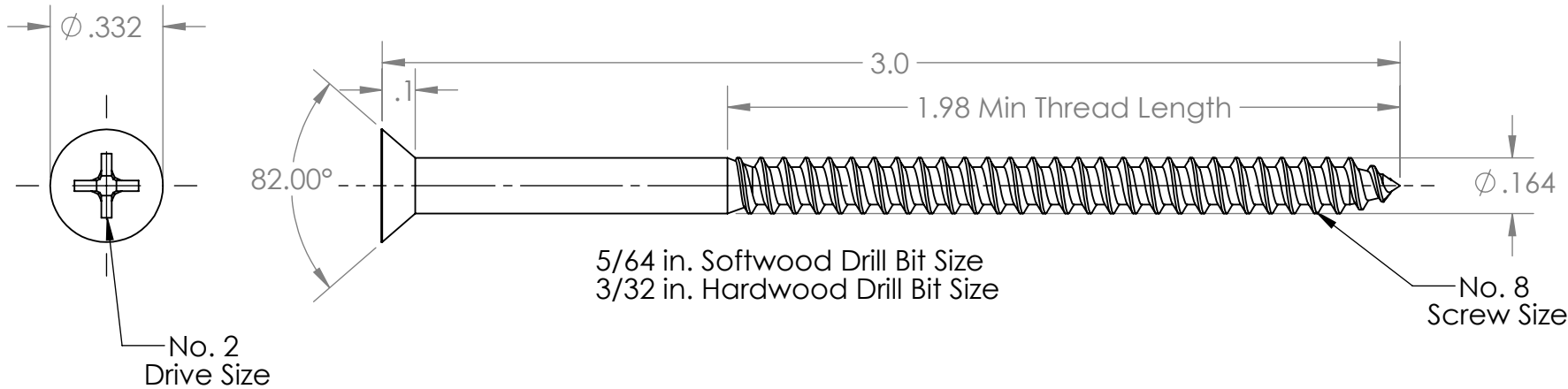
2

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SAMPLE FABRICATION/ASSEMBLY PROCESS	
STOCK DESC/DIMS	Phillips Flat Head Screws No. 8 Size, 3" Long
1. PURCHASED FROM MANUFACTURER	



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SCALE 1:1



DRAWN BY Andrew Weir	DATE 12/5/2019	STOCK VENDOR INFO: Homedepot PTN3S1	
APPROVALS:		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES ANGLES ARE IN DEGREES 3rd Angle Projection	
AU EMAIL	SINGNATURE	CARELESS BRONCOS	
		MATERIAL: ZINC-PLATED STEEL	
		TITLE/DESC: Wood Screw Number 8 Size, 3" Long	
		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:	Biggest Wood Screw
		DWG. #:	P-049
		REV #:	A
		SCALE: 2:1	SHEET 1 OF 1
		SIZE B	

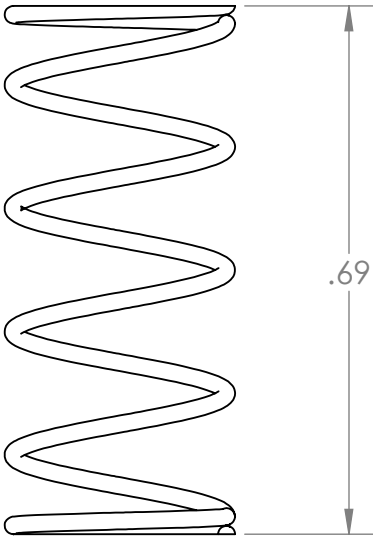
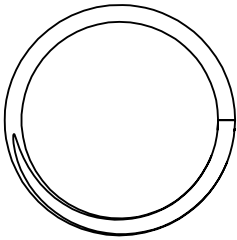
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1

SAMPLE FABRICATION/ASSEMBLY PROCESS	
STOCK DESC/DIMS	Compression Spring Break
1. Purchased manufactured Item	



DRAWN BY Felix Lasch	DATE 12/5/2019	STOCK VENDOR INFO: Centuryspring NN-24	
APPROVALS:		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES ANGLES ARE IN DEGREES 3rd Angle Projection	
AU EMAIL	SINGNATURE	Careless Broncos	
		MATERIAL: Spring Steel - SPR	
		TITLE/DESC: Compression Spring Break	
		FILE NAME: Compression Spring Break	
		DWG. #: P-050	REV #: A
		SCALE: 4:1	SHEET 1 OF 1
		SIZE B	

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