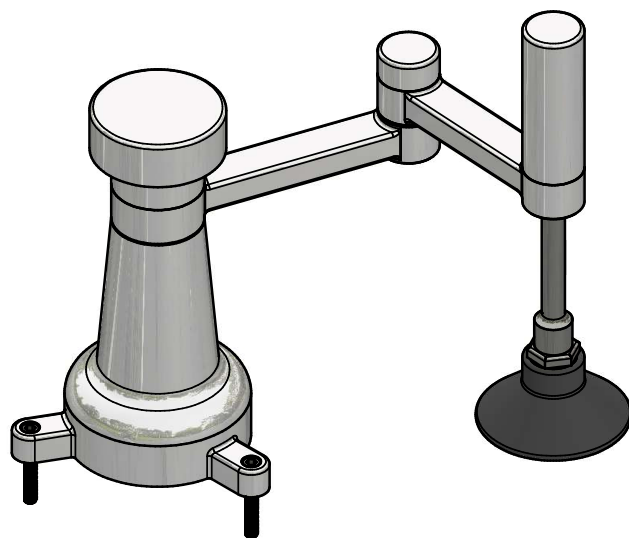




ROBOTIC ARM
SCALE 1 / 2

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	BASE	
2	1	ARM E-01	
3	1	ARM E--02	
4	1	SLIDING TUBE	
4.1	1	SLIDING TUBE RING	
5	1	VACUUM CONNECTOR	
6	1	VACUUM CUP	
7	1	VACUUM CAP	
8	1	ELBOW CAP	
9	1	BASE CAP	
10	3	CAP SCREW	10-36 UNS

GENERAL NOTES

UNIDENTIFIED FILLETS = .06
UNIDENTIFIED CHAMFERS = .02

LEGEND:

Ø DIAMETER
 R RADIUS
 ° DEGREES
 □ SPOTFACE/
 COUNTERBORE
 ∇ DEPTH

DDGT

DIGITAL DESIGN
GRAPHICS
TECHNOLOGY

WWW.DDGT.NET

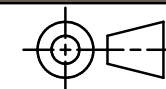
Nathan Cabading
Architectural Design



www.ddgt.net/StudentPages/nccabading

nathancabading@gmail.com

(707)123-4567



TOLERANCES UNLESS SPECIFIED:

DECIMAL INCHES:
 X= ±.020
 XX= ±.010
 XXX= ±.005
 FRACTIONAL ± 1/64"
 ANGLES ±1 DEGREE

SURFACES $\sqrt{32}$

CLASS: DDGT421

ASSIGNMENT #: 10

INVENTOR DRAWING NAME:
ROBOTIC ARM

FIG #: 1058

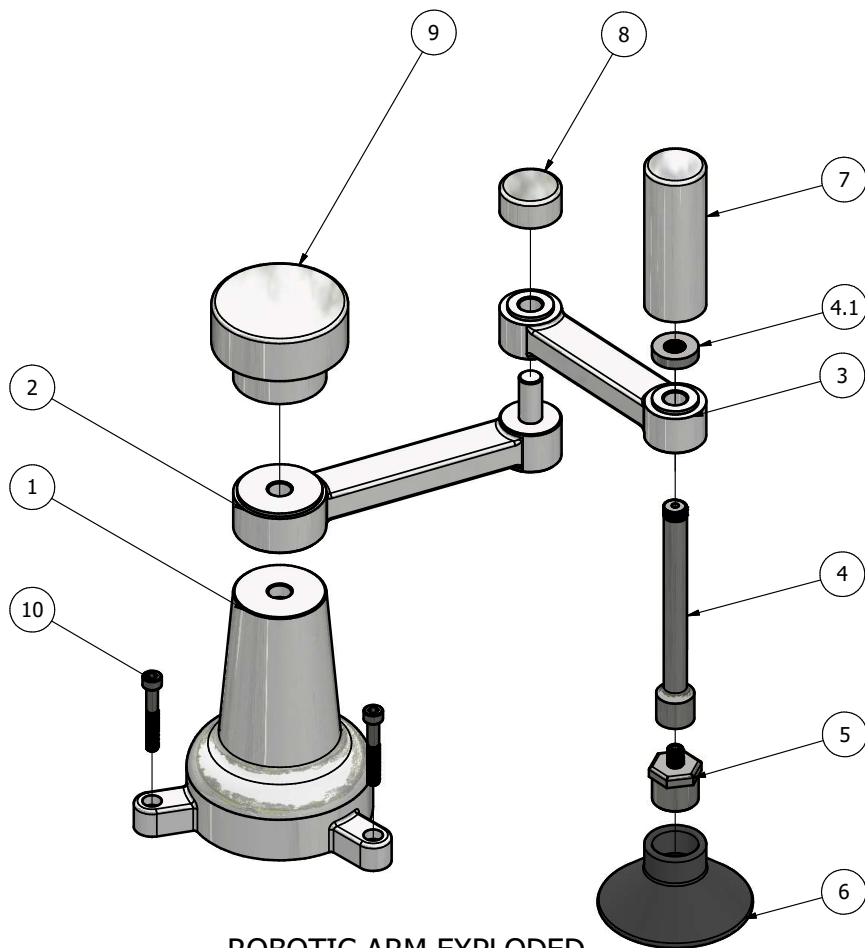
MANAGER: G. STROMMEN

DRAFTER: N. CABADING

DATE: 3/9/2025

SCALE: AS NOTED

PAGE #: 1 OF 5



ROBOTIC ARM EXPLODED
SCALE 1 / 2

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	BASE	
2	1	ARM E-01	
3	1	ARM E--02	
4	1	SLIDING TUBE	
4.1	1	SLIDING TUBE RING	
5	1	VACUUM CONNECTOR	
6	1	VACCUM CUP	
7	1	VACUUM CAP	
8	1	ELBOW CAP	
9	1	BASE CAP	
10	3	CAP SCREW	10-36 UNS

GENERAL NOTES

UNIDENTIFIED FILLETS = .06
UNIDENTIFIED CHAMFERS = .02

LEGEND:

Ø DIAMETER
R RADIUS
° DEGREES
□ SPOTFACE/
COUNTERBORE
▽ DEPTH

DDGT

DIGITAL DESIGN
GRAPHICS
TECHNOLOGY

WWW.DDGT.NET

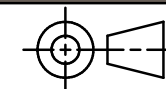
Nathan Cabading
Architectural Design



www.ddgt.net/StudentPages/nccabading

nathancabading@gmail.com

(707)123-4567



TOLERANCES UNLESS SPECIFIED:

DECIMAL INCHES:
X= ±.020
XX= ±.010
XXX= ±.005
FRACTIONAL ± 1/64"
ANGLES ±1 DEGREE

SURFACES $\sqrt{32}$

CLASS: DDGT421

ASSIGNMENT #: 10

INVENTOR DRAWING NAME:
ROBOTIC ARM

FIG #: 1058

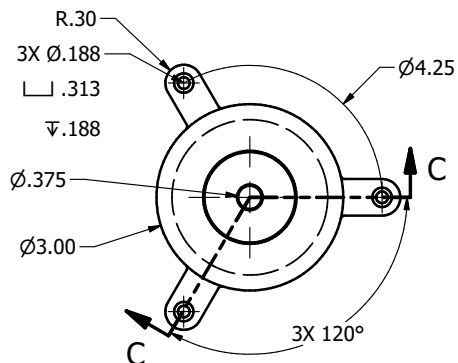
MANAGER: G. STROMMEN

DRAFTER: N. CABADING

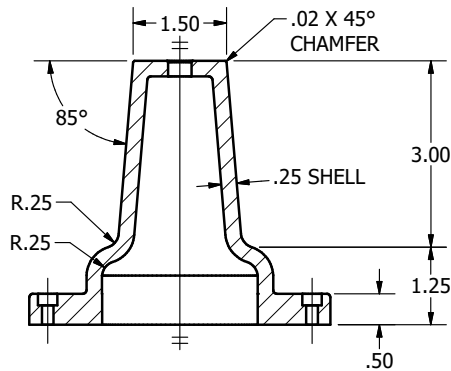
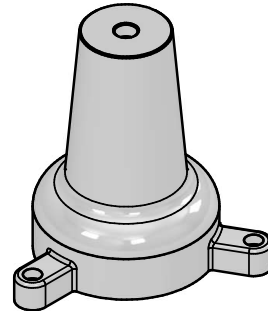
DATE: 3/9/2025

SCALE: AS NOTED

PAGE #: 2 OF 5



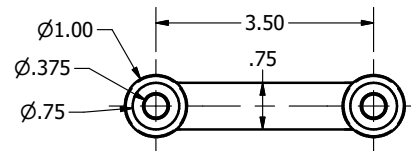
BASE
SCALE 1 / 2



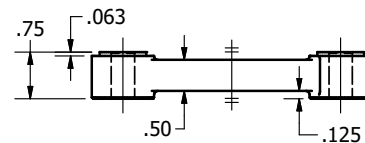
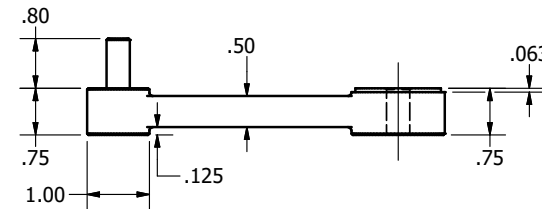
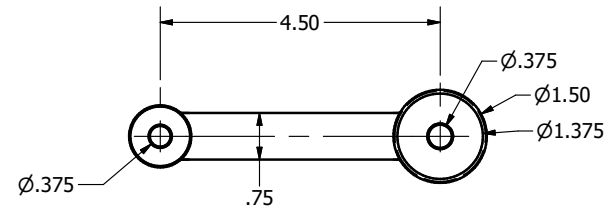
SECTION C-C
SCALE 1 / 2

GENERAL NOTES

UNIDENTIFIED FILLETS = .06
UNIDENTIFIED CHAMFERS = .02



ARM E01
SCALE 1 / 2



ARM E02
SCALE 1 / 2

PARTS LIST

ITEM	QTY	PART NUMBER
1	1	BASE
2	1	ARM E-01
3	1	ARM E--02

DDGT

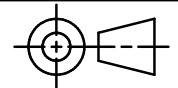
DIGITAL DESIGN
GRAPHICS
TECHNOLOGY

WWW.DDGT.NET

Nathan Cabading
Architectural Design



www.ddgt.net/StudentPages/necabading
nathancabading@gmail.com
(707)123-4567



TOLERANCES UNLESS SPECIFIED:
DECIMAL INCHES:
X= ±.020
XX= ±.010
XXX= ±.005
FRACTIONAL ± 1/64"
ANGLES ±1 DEGREE
SURFACES 32 ✓

CLASS: DDGT421

ASSIGNMENT #: 10

INVENTOR DRAWING NAME:
ROBOTIC ARM

FIG #: 1058

MANAGER: G. STROMMEN

DRAFTER: N. CABADING

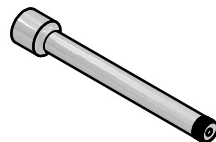
DATE: 3/9/2025

SCALE: AS NOTED

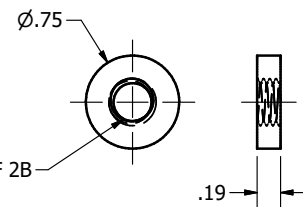
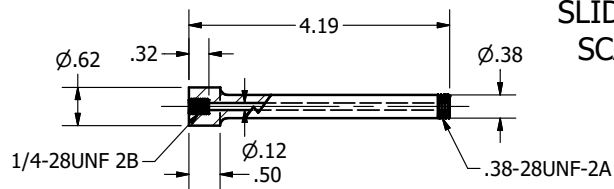
PAGE #: 3 OF 5

LEGEND:

Ø DIAMETER
R RADIUS
° DEGREES
□ SPOTFACE/
COUNTERBORE
▽ DEPTH



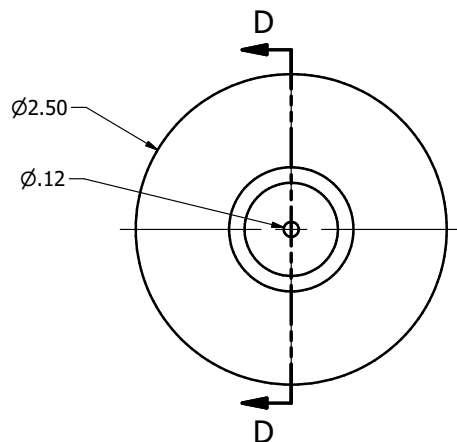
SLIDING TUBE
SCALE 1 / 2



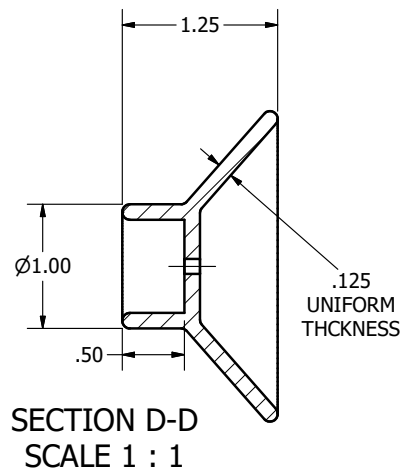
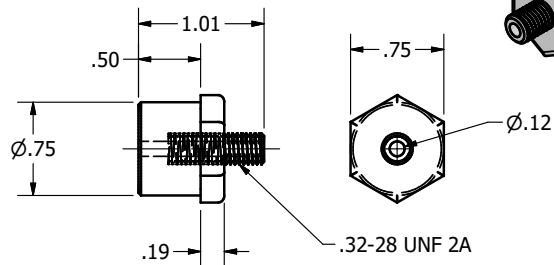
SLIDING TUBE RING
SCALE 1 : 1

GENERAL NOTES

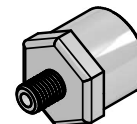
UNIDENTIFIED FILLETS = .06
UNIDENTIFIED CHAMFERS = .02



VACUUM CONNECTOR
SCALE 1 : 1



SECTION D-D
SCALE 1 : 1



VACUUM CUP
SCALE 1 : 1

PARTS LIST		
ITEM	QTY	PART NUMBER
4	1	SLIDING TUBE
4.1	1	SLIDING TUBE RING
5	1	VACUUM CONNECTOR
6	1	VACCUM CUP

LEGEND:

Ø DIAMETER
R RADIUS
° DEGREES
□ SPOTFACE/
COUNTERBORE
▽ DEPTH

DDGT

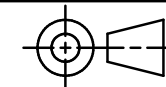
DIGITAL DESIGN
GRAPHICS
TECHNOLOGY

WWW.DDGT.NET

Nathan Cabading
Architectural Design



www.ddgt.net/StudentPages/necabading
nathancabading@gmail.com
(707)123-4567



TOLERANCES UNLESS SPECIFIED:
DECIMAL INCHES:
X= ±.020
XX= ±.010
XXX= ±.005
FRACTIONAL ± 1/64"
ANGLES ±1 DEGREE
SURFACES 32 ✓

CLASS: DDGT421

ASSIGNMENT #: 10

INVENTOR DRAWING NAME:
ROBOTIC ARM

FIG #: 1058

MANAGER: G. STROMMEN

DRAFTER: N. CABADING

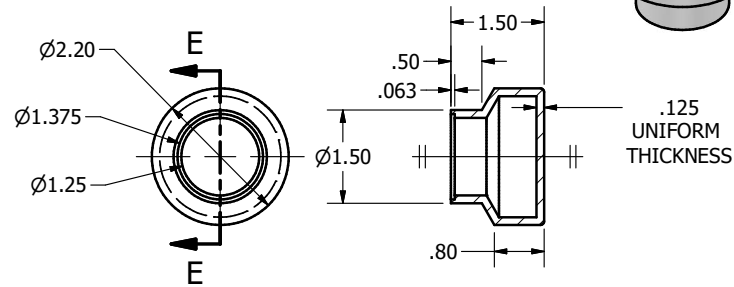
DATE: 3/9/2025

SCALE: AS NOTED

PAGE #: 4 OF 5

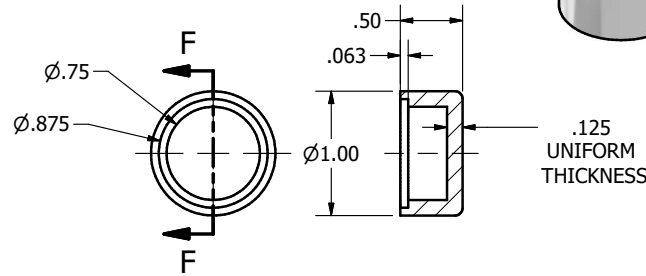
GENERAL NOTES

UNIDENTIFIED FILLETS = .06
UNIDENTIFIED CHAMFERS = .02



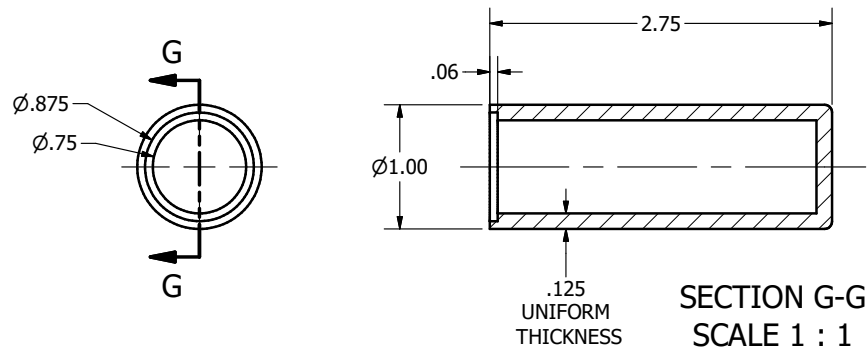
BASE CAP
SCALE 1 / 2

SECTION E-E
SCALE 1 / 2



ELBOW CAP
SCALE 1 : 1

SECTION F-F
SCALE 1 : 1



VACUUM CAP
SCALE 1 : 1

SECTION G-G
SCALE 1 : 1

PARTS LIST		
ITEM	QTY	PART NUMBER
7	1	VACUUM CAP
8	1	ELBOW CAP
9	1	BASE CAP

DDGT

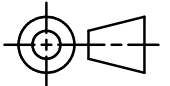
DIGITAL DESIGN
GRAPHICS
TECHNOLOGY

WWW.DDGT.NET

Nathan Cabading
Architectural Design



www.ddgt.net/StudentPages/necabading
nathancabading@gmail.com
(707)123-4567



TOLERANCES UNLESS SPECIFIED:
DECIMAL INCHES:
X= ±.020
XX= ±.010
XXX= ±.005
FRACTIONAL ± 1/64"
ANGLES ±1 DEGREE
SURFACES $\sqrt{32}$

CLASS: DDGT421

ASSIGNMENT #: 10

INVENTOR DRAWING NAME:
ROBOTIC ARM

FIG #: 1058

MANAGER: G. STROMMEN

DRAFTER: N. CABADING

DATE: 3/9/2025

SCALE: AS NOTED

PAGE #: 5 OF 5

LEGEND:

- Ø DIAMETER
- R RADIUS
- ° DEGREES
- ⌊ SPOTFACE/
COUNTERBORE
- ▽ DEPTH