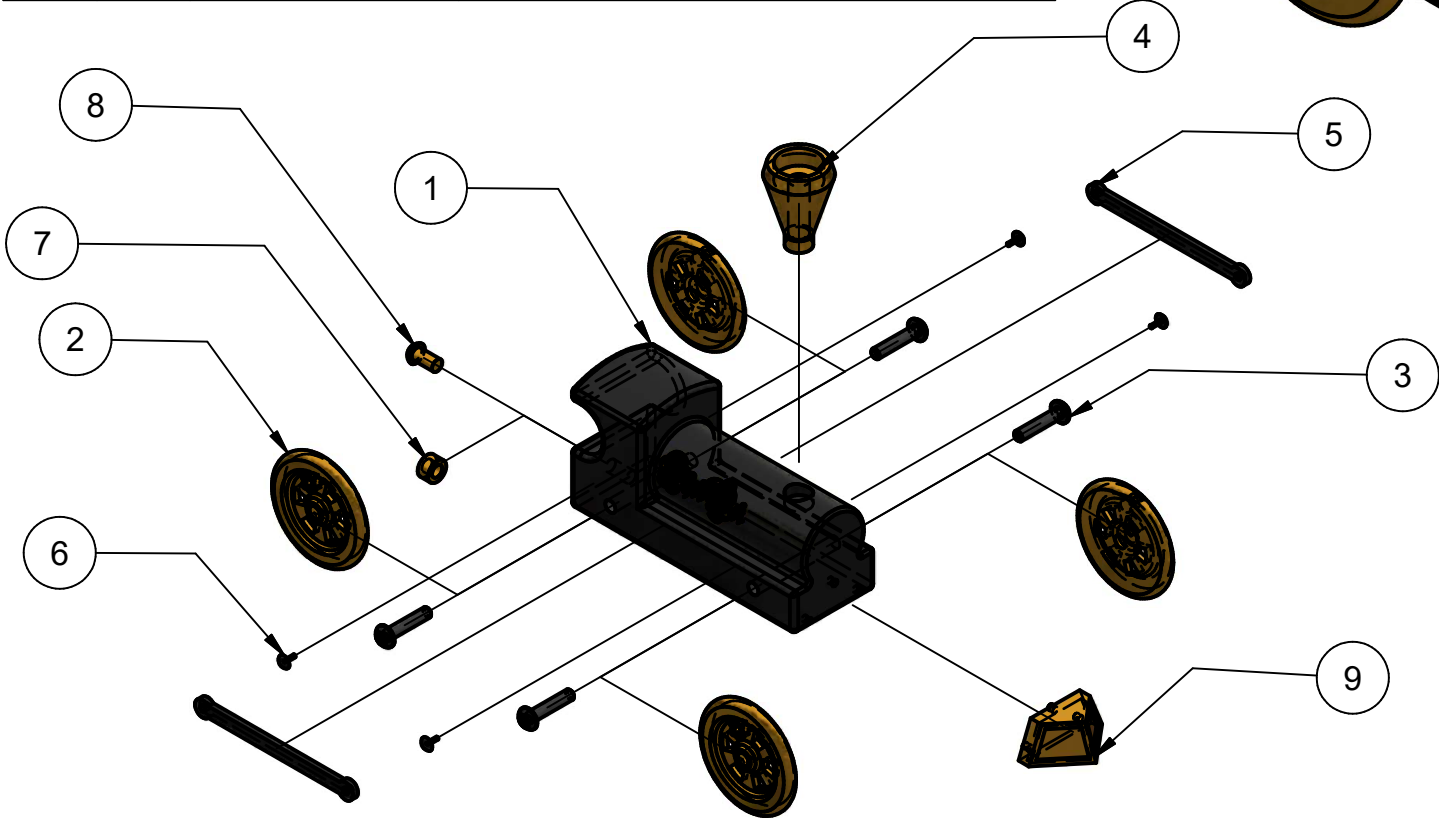
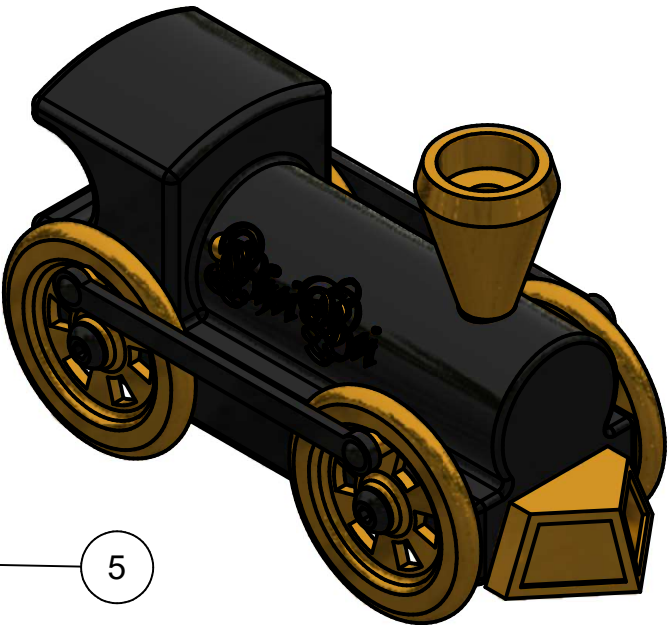


Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	Train Body	Main Body
2	4	Wheel	Moves Vehicle
3	4	Axle Peg	Connects Wheel to Train Body
4	1	Stack	Exhaust
5	2	Linkage Arm	Connects Wheels
6	4	Linkage Peg	Connects Linkage Arm to Wheels
7	1	Hitch Magnet	Connects Hitch Peg to Train Body
8	1	Hitch Peg	Connect Other Vehicles to Train Body
9	1	Cow Catcher	Sweep Objects Away From Tracks



UNLESS OTHERWISE SPECIFIED
ALL DIMENSIONS IN
** INCHES **

UNSPECIFIED TOLERANCES
DECIMALS mm in.
x ± 2.5 ± .1
xx ± 0.25 ± .01
xxx ± 0.127 ± .005

AUTHOR

ChoiBoi

PCID

karen

CLASS

CAD PD 4

PART #

Train Assembly

CREATION DATE

1/15/2019

MATERIAL

DESIGN NOTES

SCALE

REV #

1

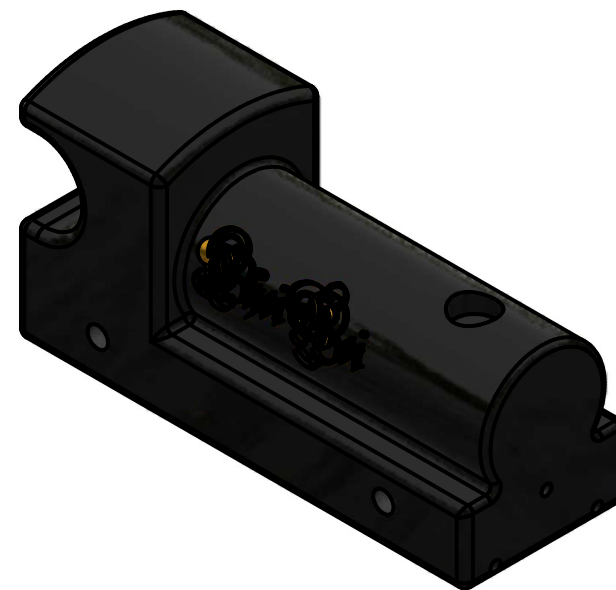
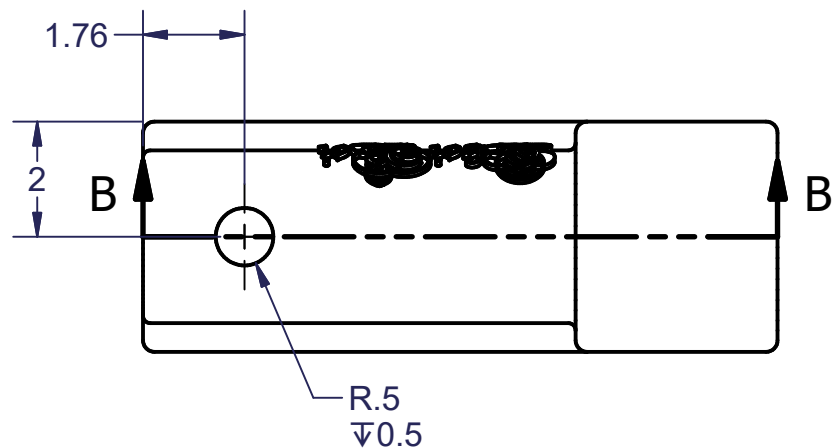
SHEET #

1

INSTITUTION

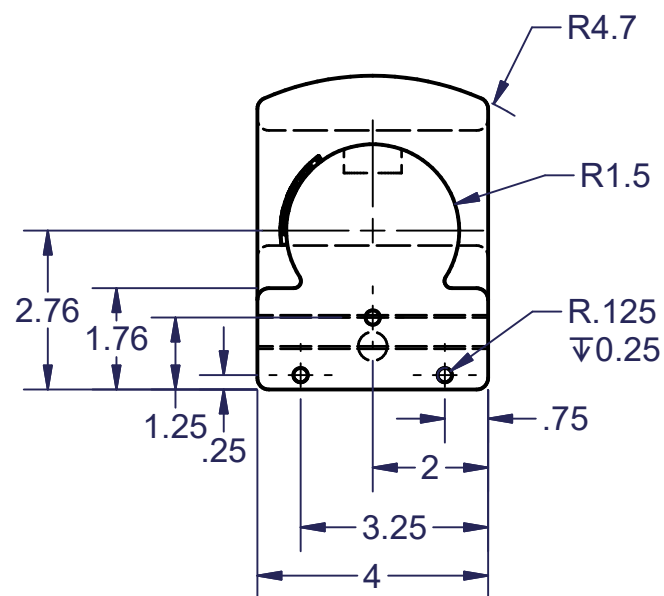
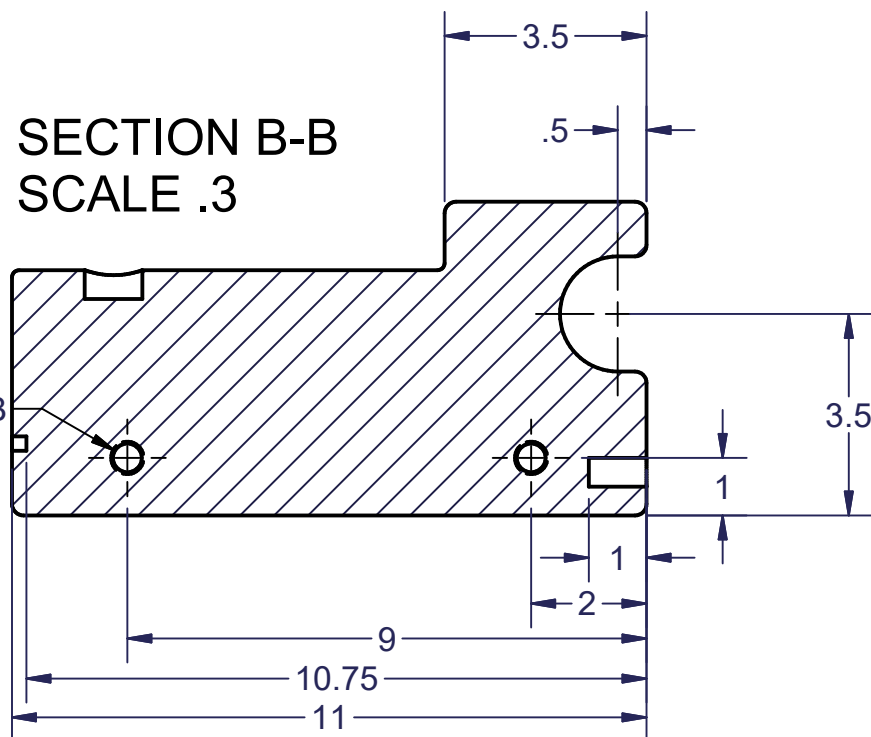
STATEN ISLAND TECHNICAL HIGH SCHOOL






SECTION B-B SCALE .3

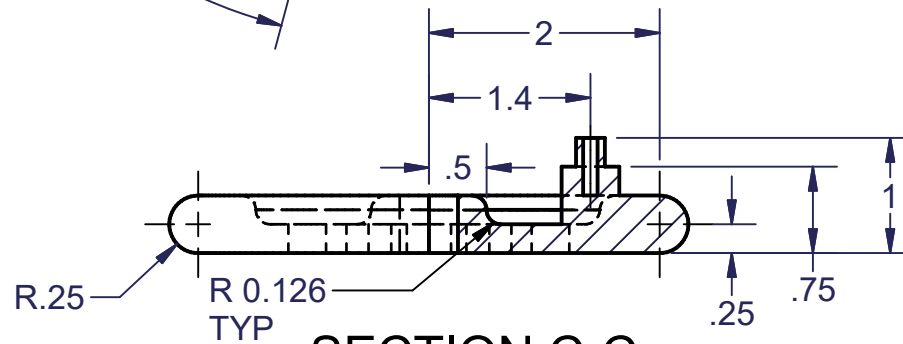
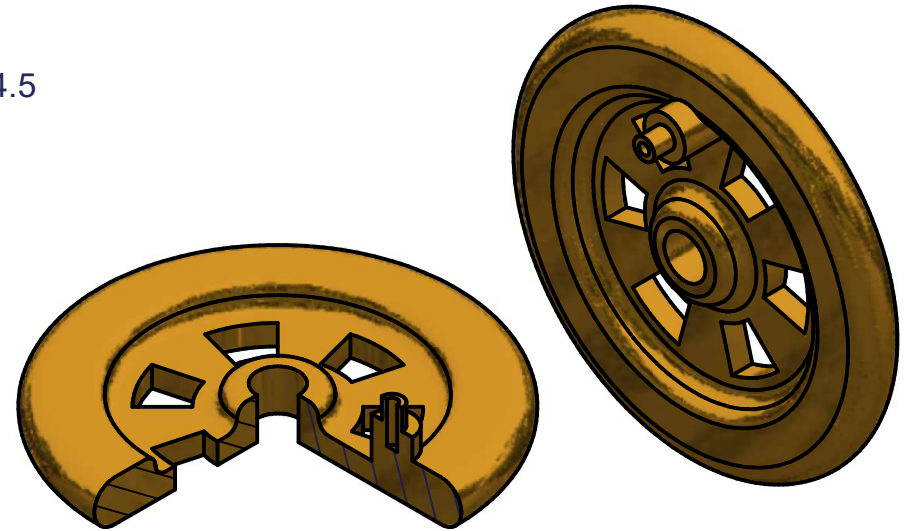
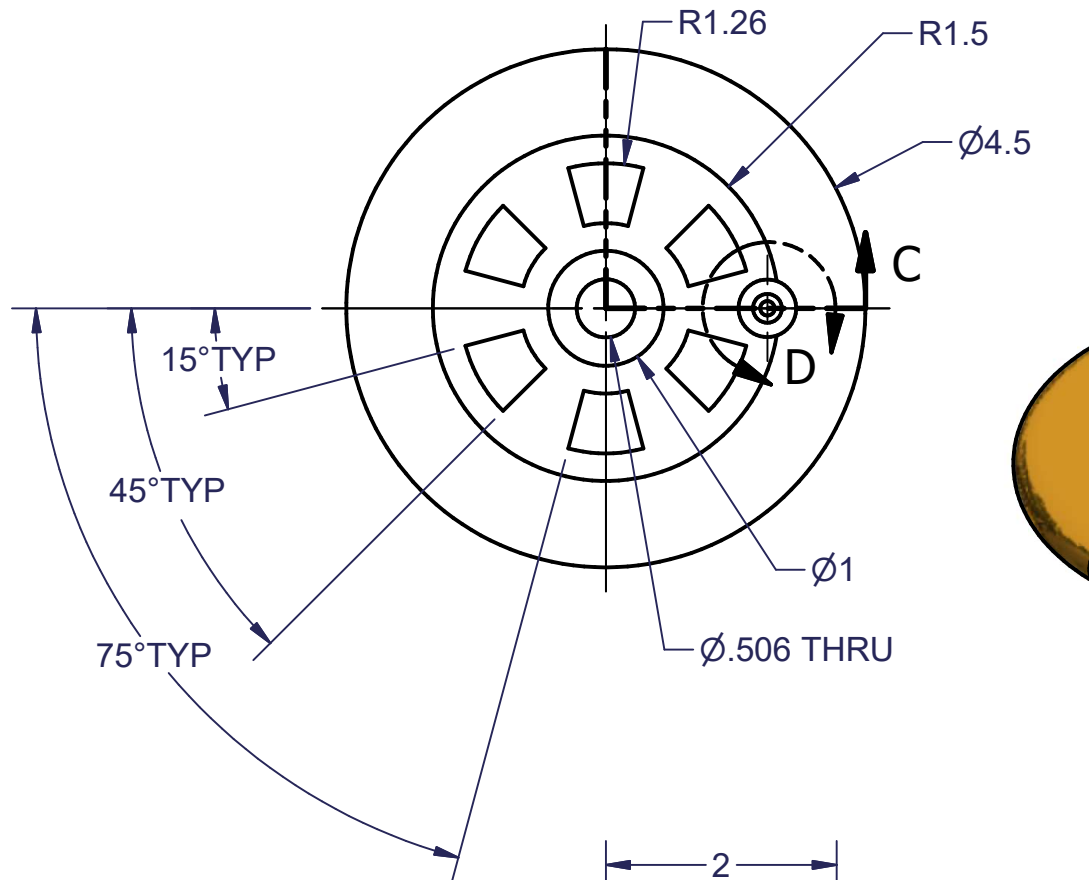
1/2 - 13 UNC 2B
THRU x 2



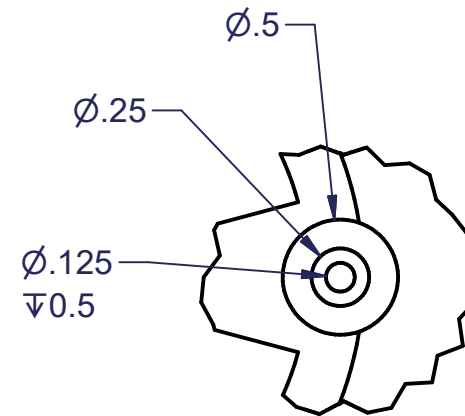
ROUND ALL EDGES TO R 0.2
EXCEPT FOR DRILLED HOLES

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS IN ** INCHES ** UNSPECIFIED TOLERANCES DECIMALS mm in. x ±.25 ±.1 xx ±0.25 ±.01 xxx ±0.127 ±.005	AUTHOR		PART #	DESIGN NOTES	SCALE	
	ChoiBoi		Train Body			
	PCID		CREATION DATE		REV #	
	Student 10		1/9/2019		1	
	CLASS		MATERIAL	INSTITUTION	SHEET #	
	CAD PD 4		Acetal Resin, Black	STATEN ISLAND TECHNICAL HIGH SCHOOL	2	
						






SECTION C-C
SCALE .6



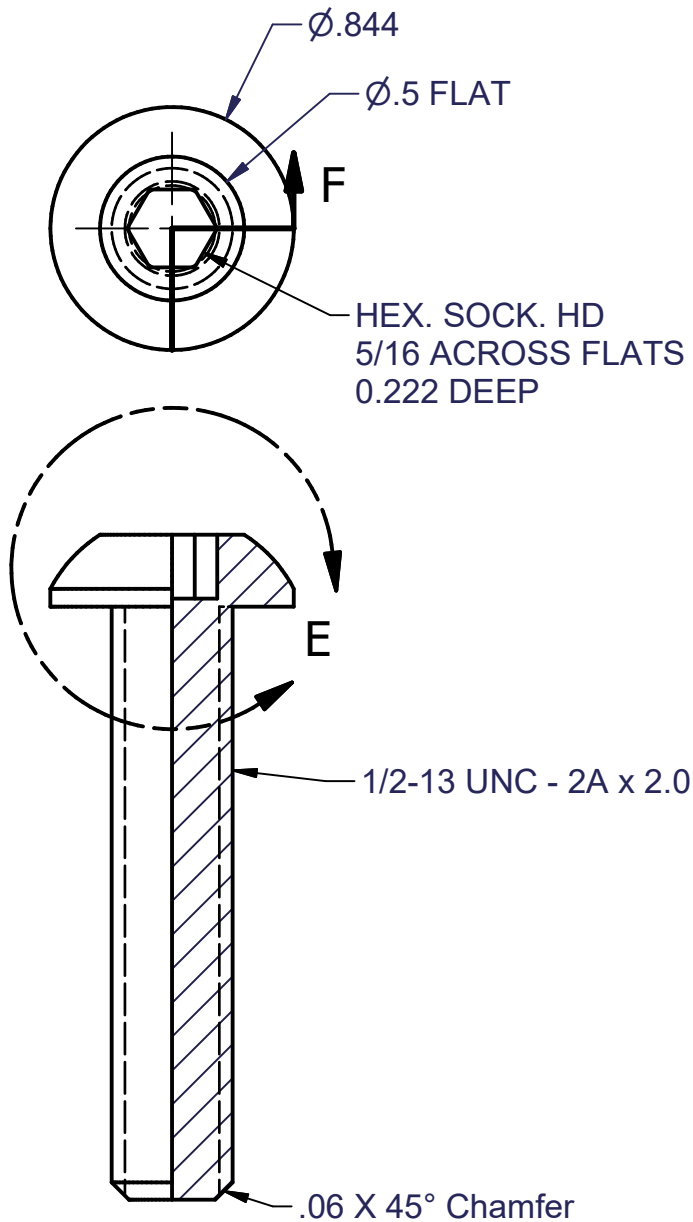
DETAIL D
SCALE 1.20 : 1

UNLESS OTHERWISE SPECIFIED
ALL DIMENSIONS IN
** INCHES **

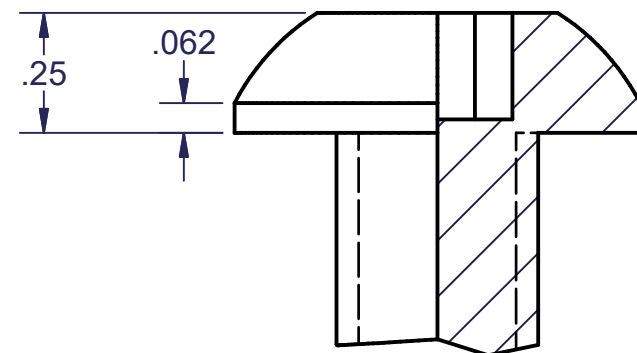
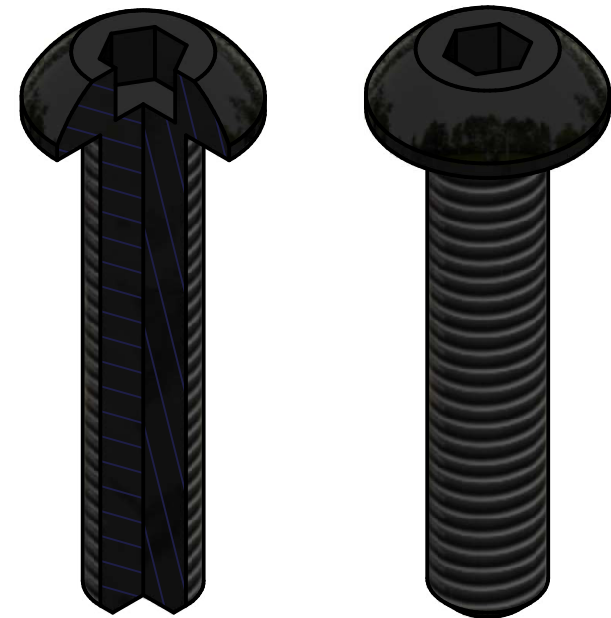
UNSPECIFIED TOLERANCES
DECIMALS mm in.
x ±.25 ±.1
xx ±0.25 ±.01
xxx ±0.127 ±.005

AUTHOR ChoiBoi	PART # Wheel	DESIGN NOTES	SCALE	
PCID karen	CREATION DATE 1/14/2019		REV # 1	
CLASS CAD PD 4	MATERIAL Gold		SHEET # 3	


INSTITUTION
STATEN ISLAND TECHNICAL HIGH SCHOOL

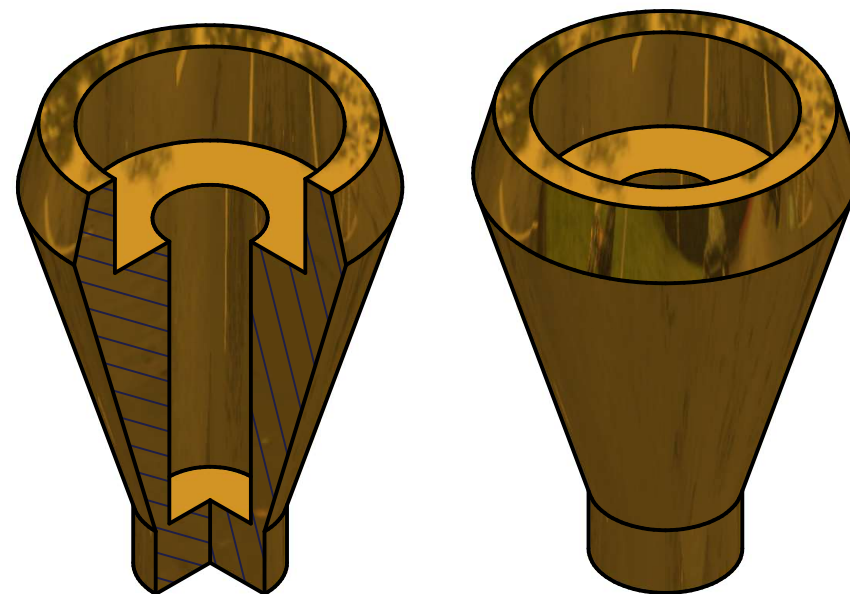
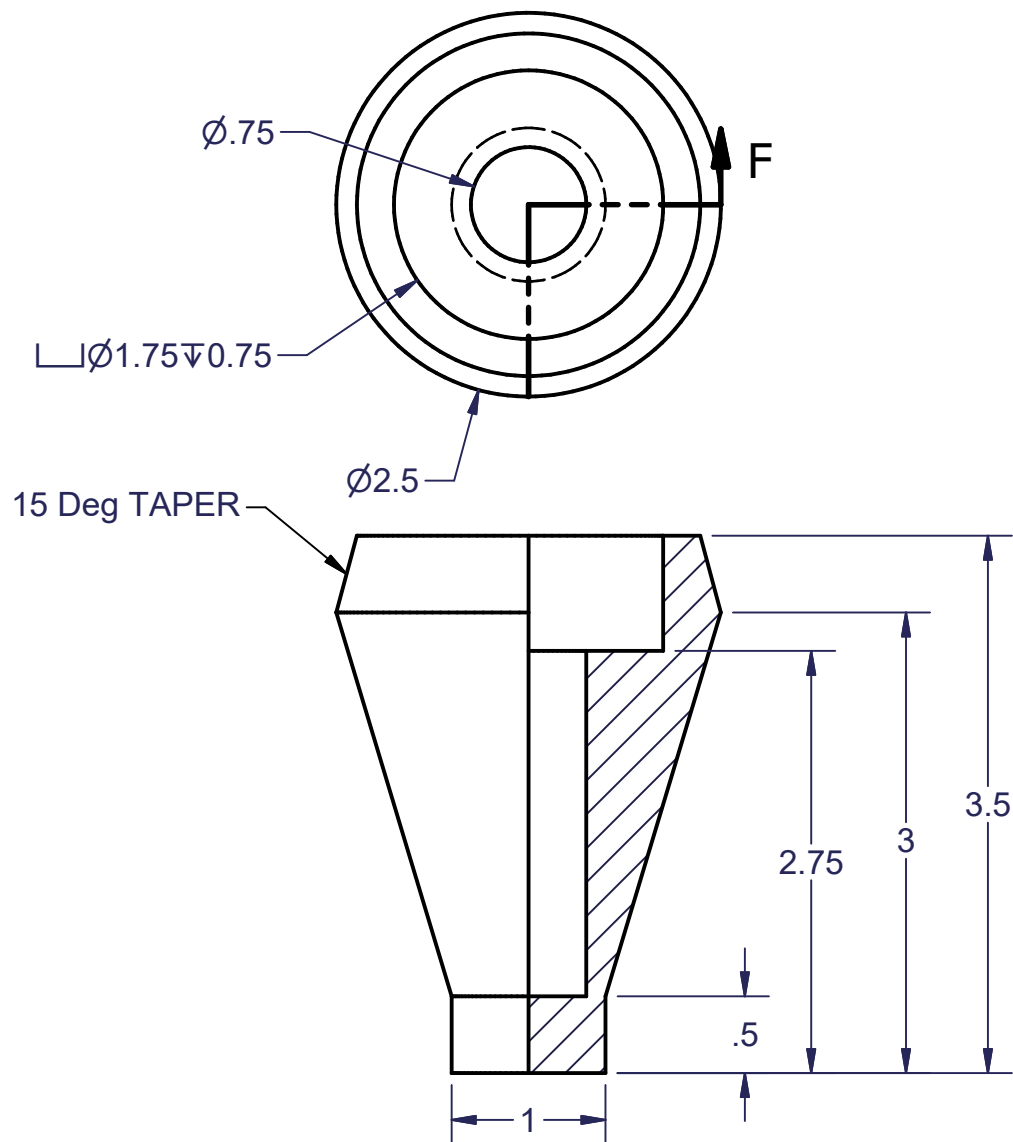


SECTION F-F
SCALE 1.5



DETAIL E
SCALE 2.5

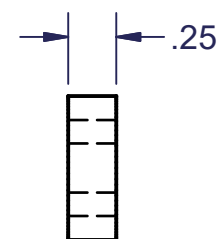
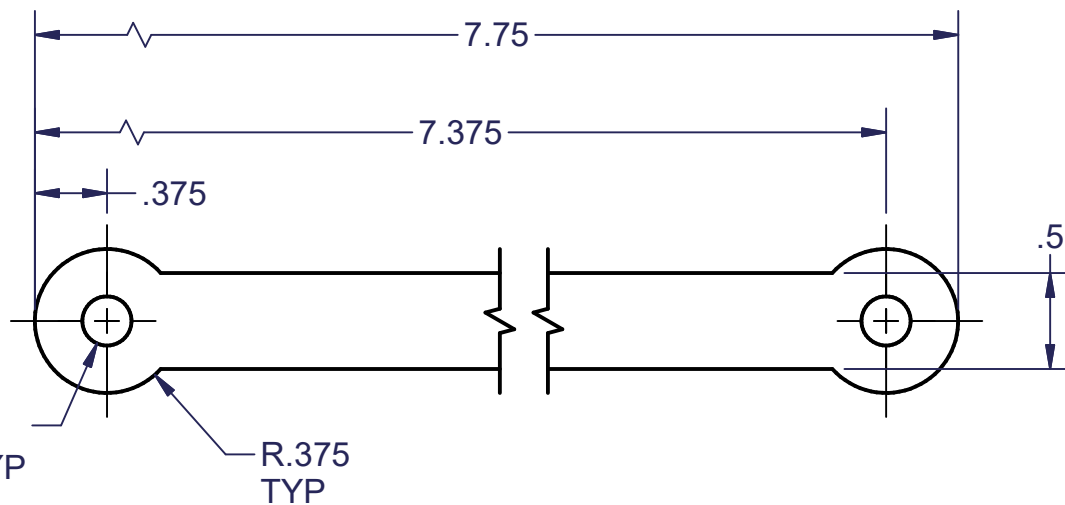
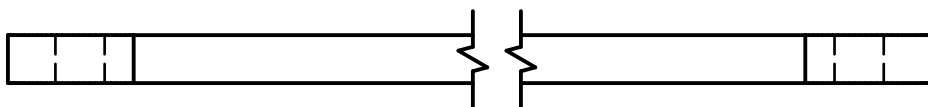
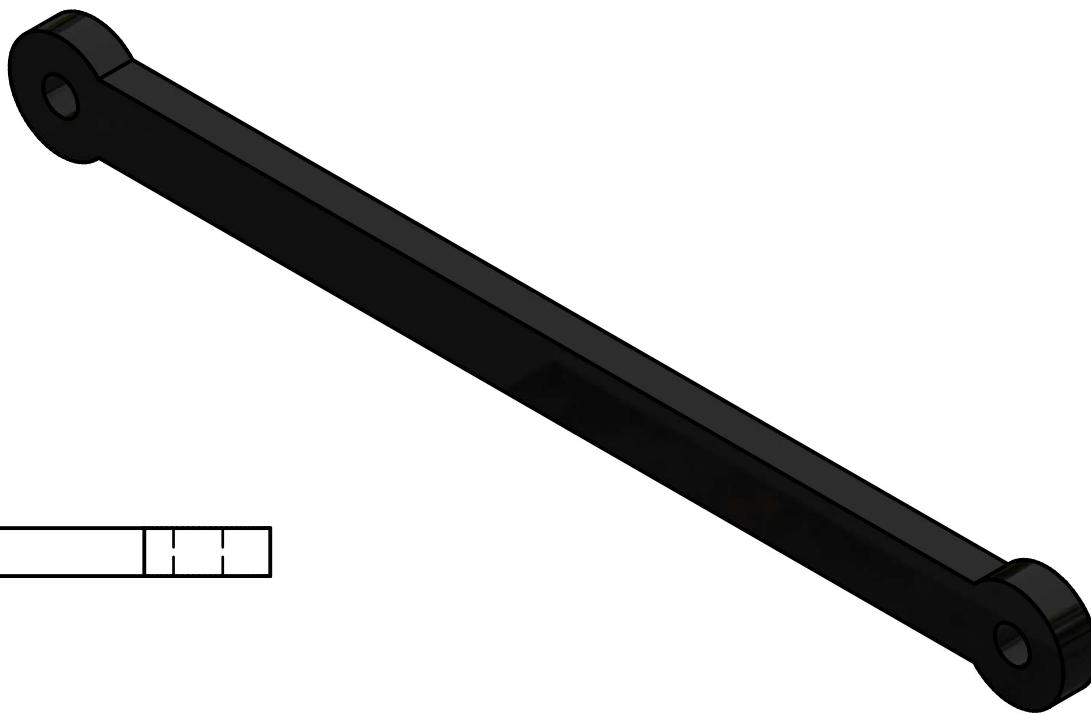
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS IN ** INCHES ** UNSPECIFIED TOLERANCES DECIMALS mm in. x ± .25 ± .1 xx ± 0.25 ± .01 xxx ± 0.127 ± .005	AUTHOR		PART #		DESIGN NOTES	SCALE		
	ChoBoi		Axle Peg			REV #		
	PCID		CREATION DATE			1		
	karen		1/11/2019			SHEET #		
	CLASS		MATERIAL		INSTITUTION		4	
	CAD PD 4		Acetal Resin, Black		STATEN ISLAND TECHNICAL HIGH SCHOOL			



SECTION F-F
SCALE .8

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS IN ** INCHES ** UNSPECIFIED TOLERANCES DECIMALS mm in. x ± .25 ± .1 xx ± 0.25 ± .01 xxx ± 0.127 ± .005	AUTHOR		PART #	DESIGN NOTES		SCALE
	ChoiBoi		Stack			REV #
	PCID		CREATION DATE			1
	CLASS		MATERIAL	INSTITUTION		SHEET #
	CAD PD 4		Gold	STATEN ISLAND TECHNICAL HIGH SCHOOL		5





UNLESS OTHERWISE SPECIFIED
ALL DIMENSIONS IN
** INCHES **

UNSPECIFIED TOLERANCES

DECIMALS	mm	in.
x	± .25	± .1
xx	± 0.25	± .01
xxx	± 0.127	± .005

AUTHOR

ChoiBoi

PCID

karen

CLASS

CAD PD 4

PART #

Linkage Arm

CREATION DATE

1/11/2019

MATERIAL

Acetal Resin, Black

DESIGN NOTES

INSTITUTION

STATEN ISLAND TECHNICAL HIGH SCHOOL

SCALE

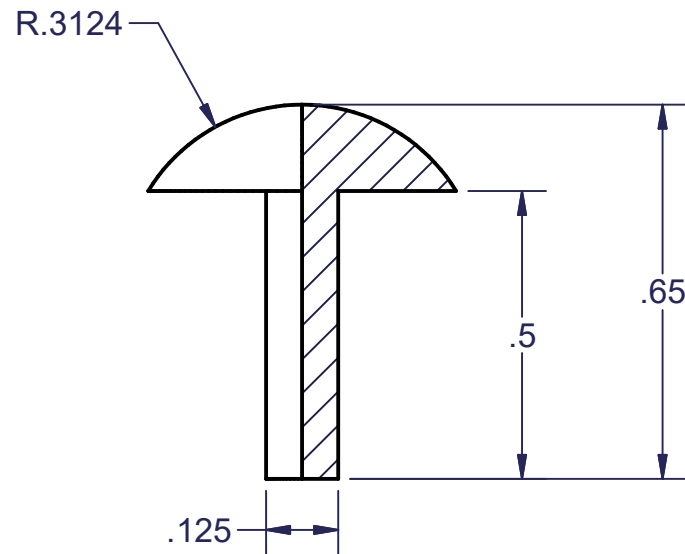
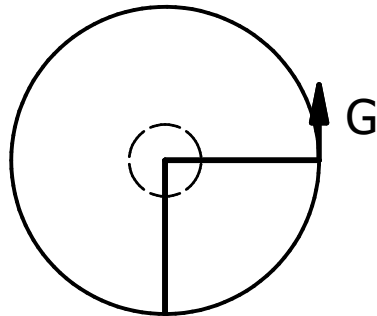
REV #

1

SHEET #

6





SECTION G-G
SCALE 3

UNLESS OTHERWISE SPECIFIED
ALL DIMENSIONS IN
** INCHES **

UNSPECIFIED TOLERANCES

DECIMALS	mm	in.
x	± 2.5	± .1
xx	± 0.25	± .01
xxx	± 0.127	± .005

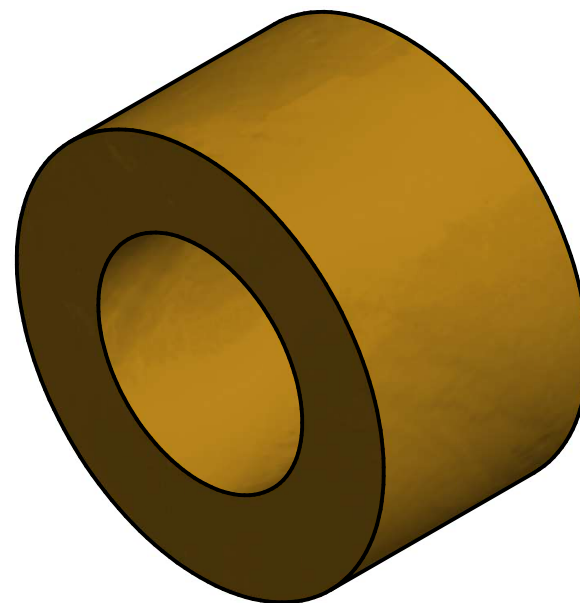
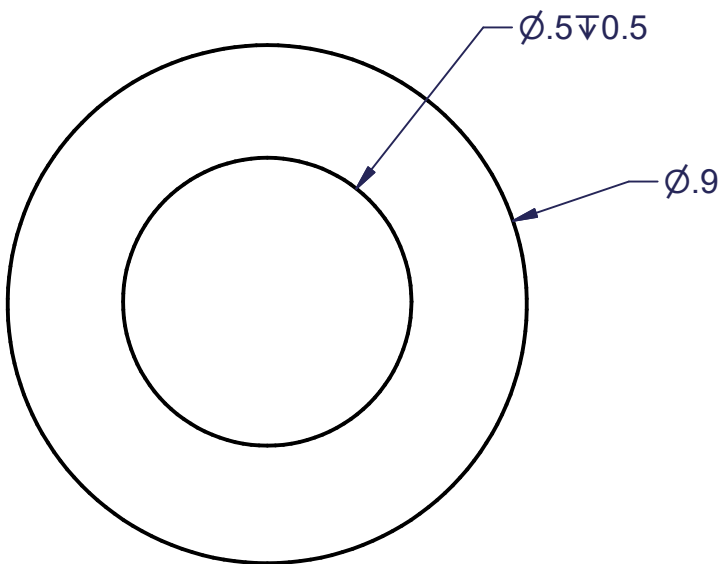
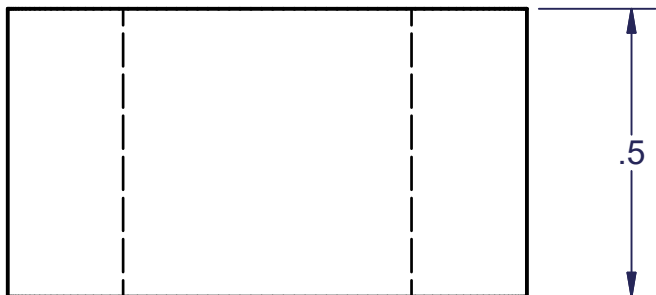
AUTHOR	ChoiBoi
PCID	karen
CLASS	CAD PD 4

PART #	Linkage Peg
CREATION DATE	1/10/2019
MATERIAL	Acetal Resin, Black

DESIGN NOTES	
INSTITUTION	STATEN ISLAND TECHNICAL HIGH SCHOOL

SCALE	
REV #	1
SHEET #	7





UNLESS OTHERWISE SPECIFIED
ALL DIMENSIONS IN
** INCHES **

UNSPECIFIED TOLERANCES

DECIMALS	mm	in.
x	± 2.5	± .1
xx	± 0.25	± .01
xxx	± 0.127	± .005

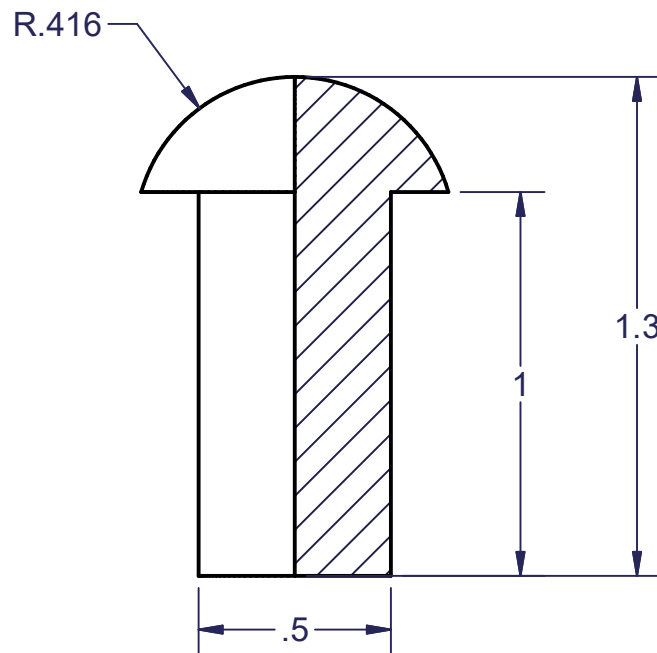
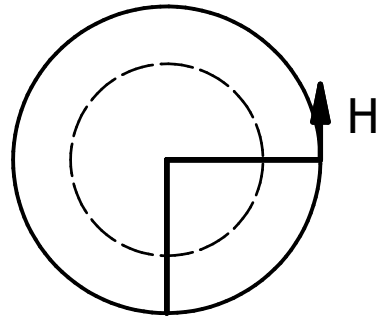
AUTHOR	ChoiBoi
PCID	karen
CLASS	CAD PD 4

PART #	Hitch Magnet
CREATION DATE	1/11/2019
MATERIAL	Gold

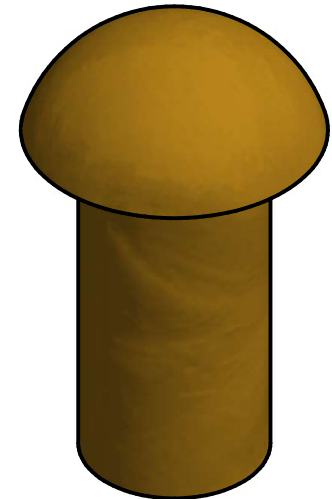
DESIGN NOTES	
INSTITUTION	STATEN ISLAND TECHNICAL HIGH SCHOOL

SCALE	
REV #	1
SHEET #	8





SECTION H-H
SCALE 2



UNLESS OTHERWISE SPECIFIED
ALL DIMENSIONS IN
** INCHES **

UNSPECIFIED TOLERANCES

DECIMALS	mm	in.
x	± 2.5	± .1
xx	± 0.25	± .01
xxx	± 0.127	± .005

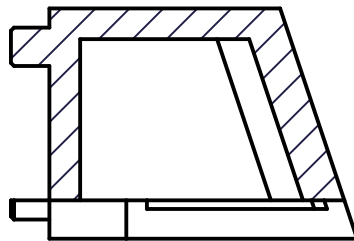
AUTHOR	ChoiBoi
PCID	karen
CLASS	CAD PD 4

PART #	Hitch Peg
CREATION DATE	1/10/2019
MATERIAL	Gold

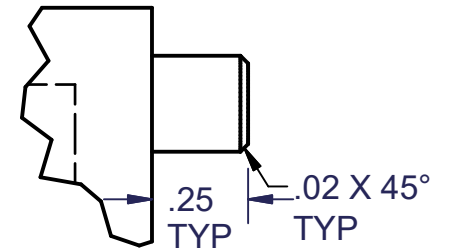
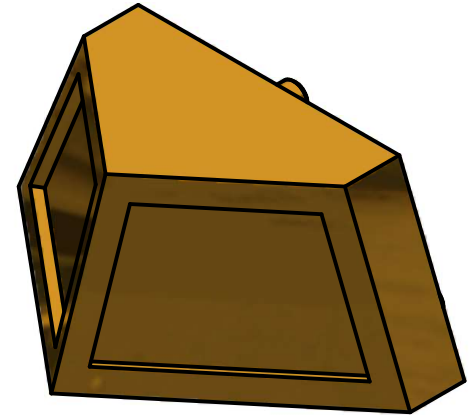
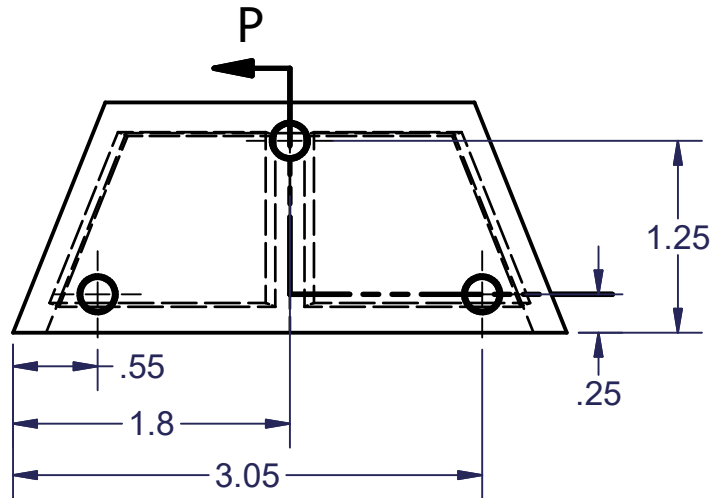
DESIGN NOTES	
INSTITUTION	STATEN ISLAND TECHNICAL HIGH SCHOOL

SCALE	
REV #	1
SHEET #	9

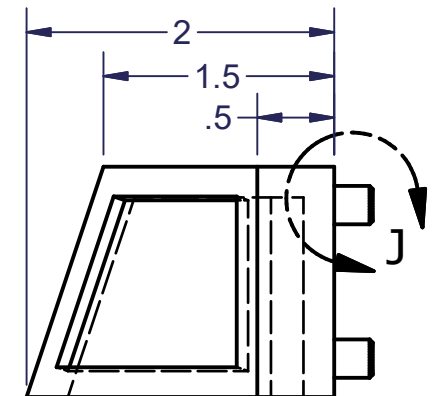
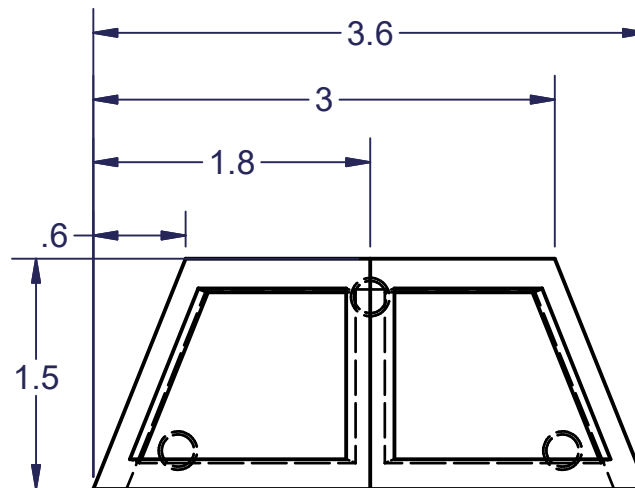
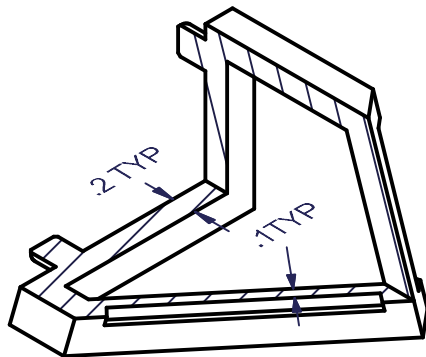




SECTION P-P
SCALE .8



DETAIL J
SCALE 2 : 1



UNLESS OTHERWISE SPECIFIED
ALL DIMENSIONS IN
** INCHES **

UNSPECIFIED TOLERANCES

DECIMALS	mm	in.
x	± .25	± .1
xx	± 0.25	± .01
xxx	± 0.127	± .005

AUTHOR	ChoiBoi
PCID	karen
CLASS	CAD PD 4

PART #	Cow Catcher
CREATION DATE	1/14/2019
MATERIAL	Gold

DESIGN NOTES	
INSTITUTION	STATEN ISLAND TECHNICAL HIGH SCHOOL

SCALE	
REV #	1
SHEET #	10

