

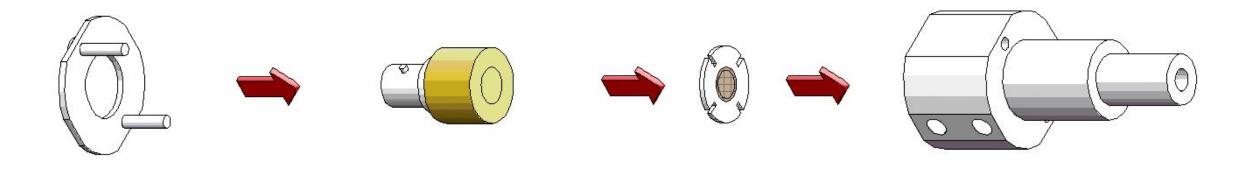
1. ONLY MATERIAL TO BE USED IS STAINLESS

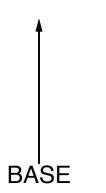
STEEL 316. 2. PPPL WILL SILVER PLATE ALL SCREWS.

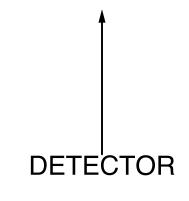
**REVISION HISTORY** REV

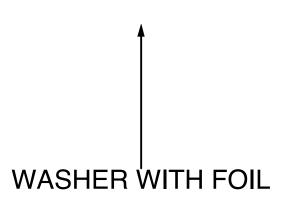
DESCRIPTION DATE

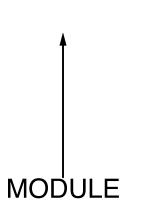
APPROVED











FLORIDA INTERNATIONAL UNIVERSITY DEPARTMENT OF PHYSICS 11200 SW 8TH ST, MIAMI, FL 33199

DATE 04/27/11 PROJECT

DIAGNOSTIC DESIGN SHEET 1 OF 1 SCALE

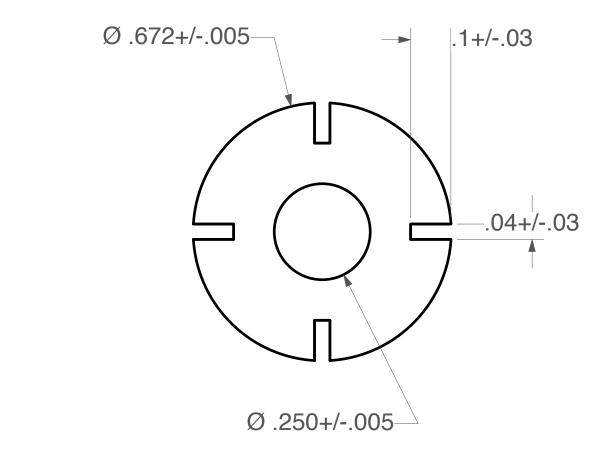
DRAWN BY RAMONA
MODULE ASSEMBLED VIEW VALENZUELA PEREZ

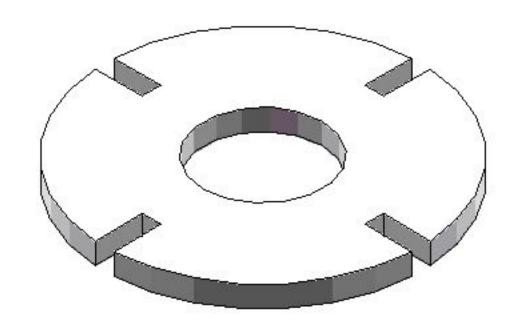
**REVISION HISTORY** REV APPROVED DESCRIPTION DATE

NOTES.

1. WASHER MADE TO FIT INSIDE MODULE.

.045+/-.005





ALL DIMENSIONS ARE IN INCHES.
TOLERANCES UNLESS OTHERWISE SPECIFIED:

DATE 04/27/11 PROJECT

FLORIDA INTERNATIONAL UNIVERSITY DEPARTMENT OF PHYSICS 11200 SW 8TH ST, MIAMI, FL 33199

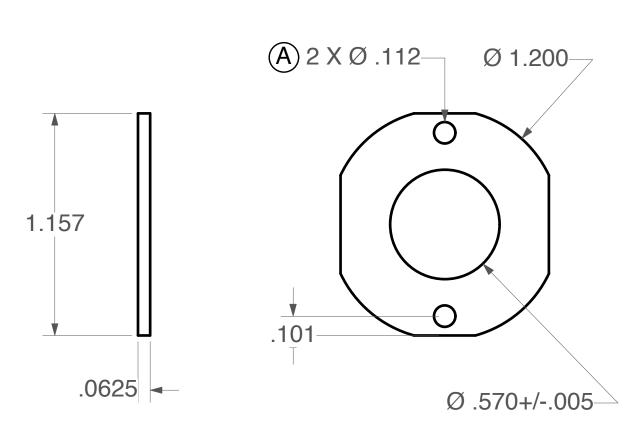
DIAGNOSTIC DESIGN SHEET 1 OF 1

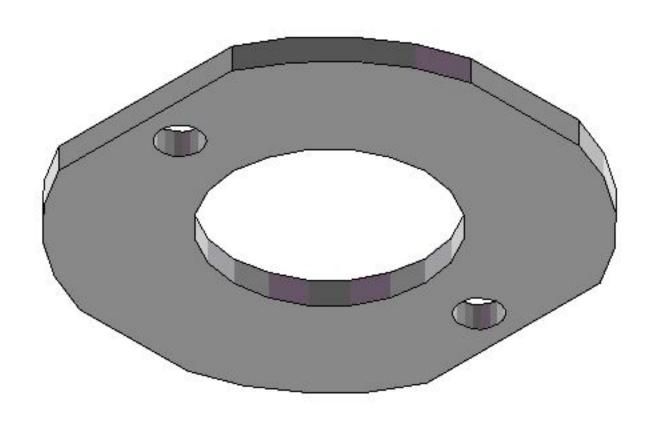
X.XXX +/- .01 **/** +/- .5 SCALE 4:1 TITLE

WASHER FOR FOIL

**REVISION HISTORY** REV APPROVED DESCRIPTION DATE

BASE IS MADE TO FIT TO BOTTOM OF MODULE; ALL BORED HOLES MUST ALIGN WITH BOTTOM OF MODULE.
 (A) BORE THRU FOR A 4-40 .112 INCH DIAMETER BUTTON HEAD SOCKET CAP SCREW.









BASE

FLORIDA INTERNATIONAL UNIVERSITY DEPARTMENT OF PHYSICS 11200 SW 8TH ST, MIAMI, FL 33199

DATE 04/27/11 PROJECT DIAGNOSTIC DESIGN SHEET 1 OF 1

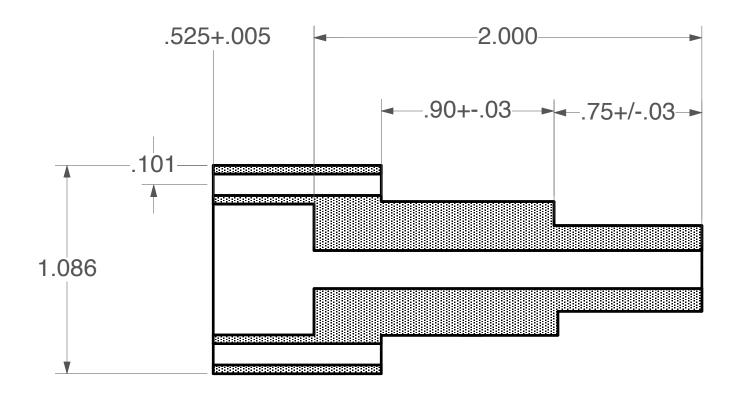
DESCRIPTION

**REVISION HISTORY** 

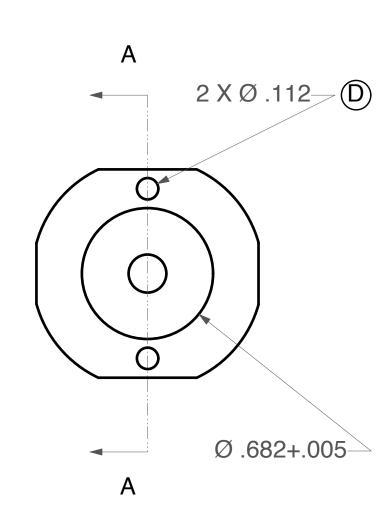
DATE APPROVED

1. BOTTOM OF MODULE IS MADE TO FIT TO BASE, THEREFORE ALL BOTTOM HOLES ALIGN WITH BORED BASE HOLES.

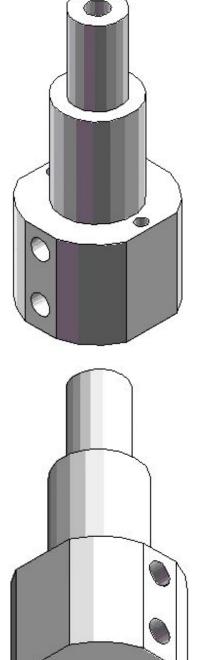
2. (D) TAP THRU FOR A 4-40 .112 INCH DIAMETER BUTTON HEAD SOCKET CAP ŠĆREW.



A SECTIONAL VIEW A



**BOTTOM VIEW** 



ALL DIMENSIONS ARE IN INCHES.
TOLERANCES UNLESS
OTHERWISE SPECIFIED:

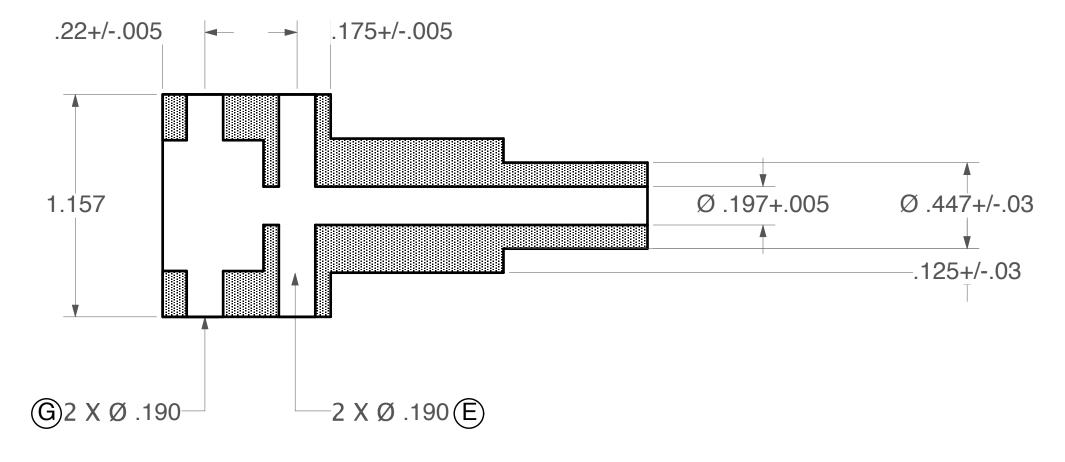
DATE 04/27/11 PROJECT

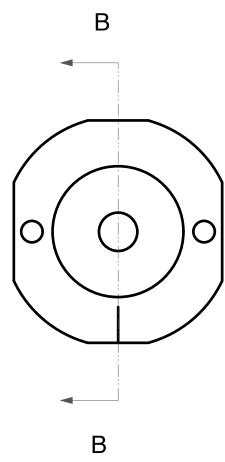
FLORIDA INTERNATIONAL UNIVERSITY DEPARTMENT OF PHYSICS 11200 SW 8TH ST, MIAMI, FL 33199

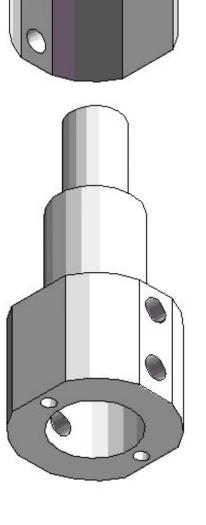
DIAGNOSTIC DESIGN SHEET 1 OF 2

MODULE

**REVISION HISTORY** REV NOTES. DESCRIPTION DATE APPROVED 1. BOTTOM OF MODULE IS MADE TO FIT TO BASE, ALL BOTTOM HOLES ALIGN WITH BORED BASE HOLES. 2. (E) TAP THRU FOR A 10-24 SHOULDER SCREW: THREAD LENGTH .375 INCHES, SHOULDER DIAMETER .25 INCHES, SHOULDER LENGTH .25 INCHES. 3. (G) TAP THRU FOR A 10-32 .190 INCH DIAMETER BUTTON HEAD SOCKET CAP SCREW.







SECTIONAL VIEW B

**BOTTOM VIEW** 

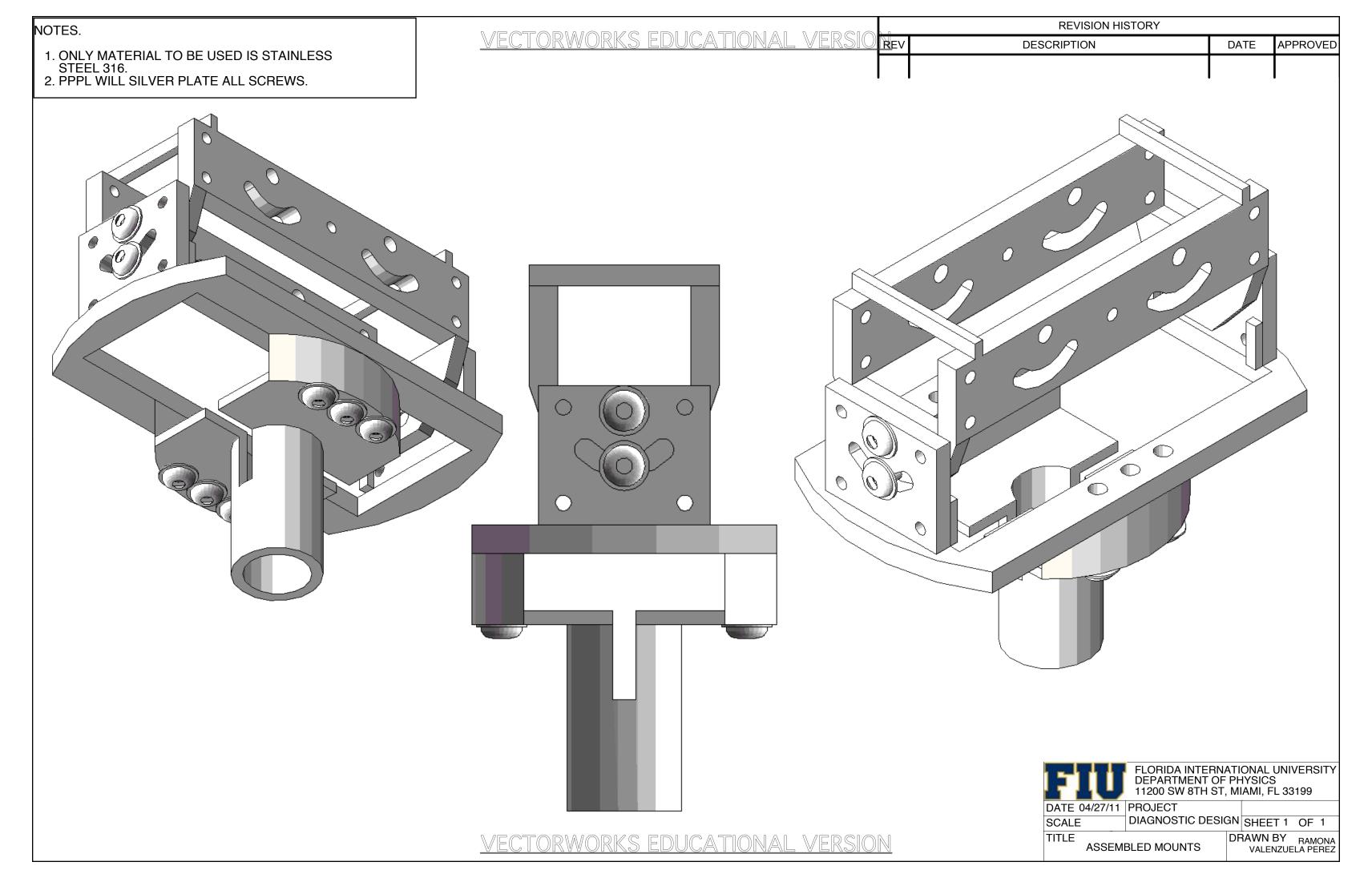
ALL DIMENSIONS ARE IN INCHES.
TOLERANCES UNLESS
OTHERWISE SPECIFIED: 

FLORIDA INTERNATIONAL UNIVERSITY DEPARTMENT OF PHYSICS 11200 SW 8TH ST, MIAMI, FL 33199

DATE 04/27/11 PROJECT

DIAGNOSTIC DESIGN SHEET 2 OF 2

MODULE



1. ONLY MATERIAL TO BE USED IS STAINLESS STEEL 316.

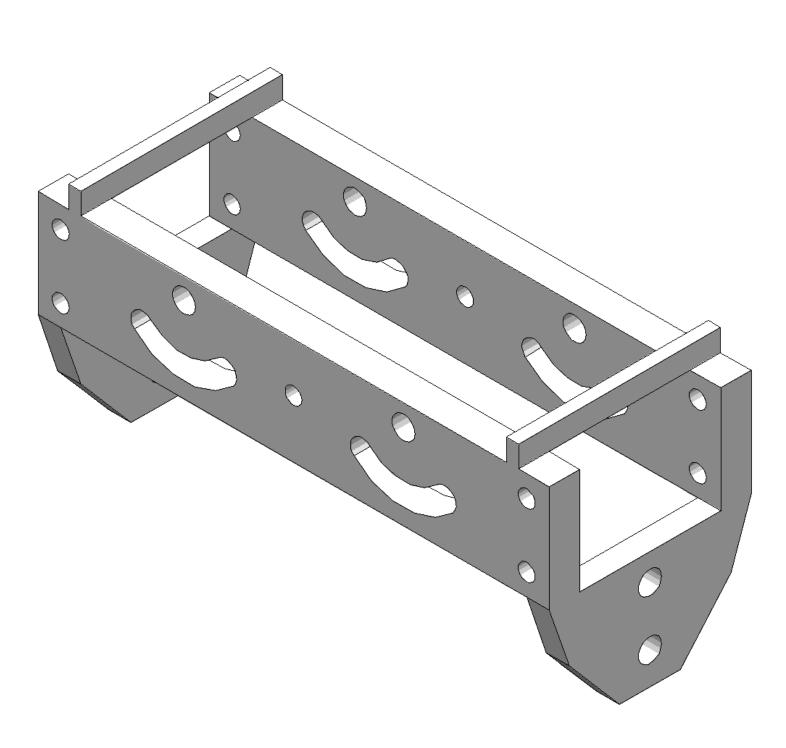
2. PPPL WILL SILVER PLATE ALL SCREWS.

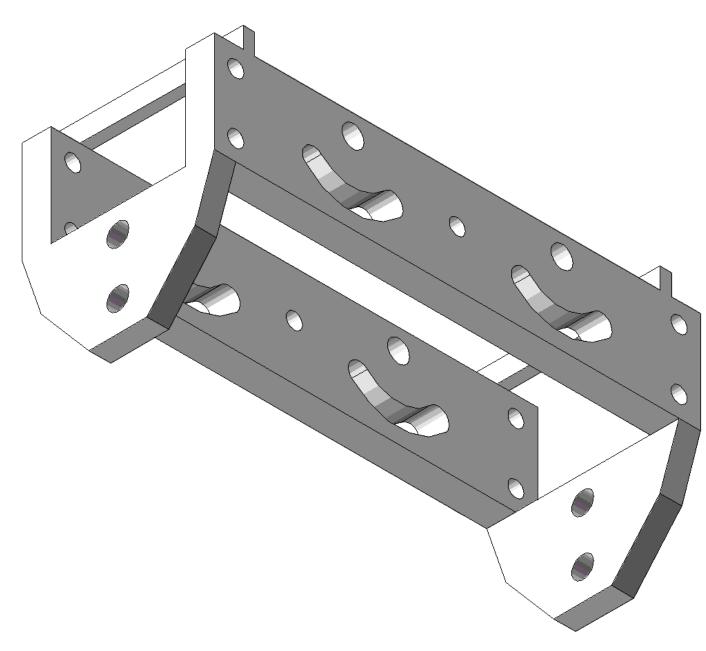
VECTORWORKS EDUCATIONAL VERSIONEV

REVISION HISTORY

DESCRIPTION DATE

DATE APPROVED





FIU

FLORIDA INTERNATIONAL UNIVERSITY DEPARTMENT OF PHYSICS 11200 SW 8TH ST, MIAMI, FL 33199

DATE 04/27/11 PROJECT DIAGNOS

DIAGNOSTIC DESIGN SHEET 1 OF 1

TITLE ASSEMBLED MOUNTS

NOTES. <u>VECTORWORKS EDUCATIONAL VERSIO</u>

REVISION HISTORY
DESCRIPTION

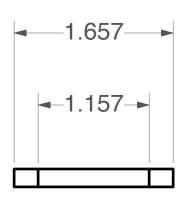
SCRIPTION DATE APPROVED

THE MODULE; CORRESPONDING HOLES SHOULD ALIGN. 2. 2 X THIS MOUNT 1A ARE ARE NEEDED.

3. (A) TAP THRU FOR A 10-32 .190 INCH DIAMETER BUTTON HEAD SOCKET CAP SCREW.

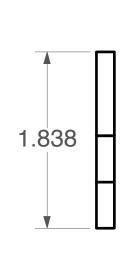
1. MOUNT PIECE 1 IS MADE TO FIT TO MOUNT PIECE 2 AND

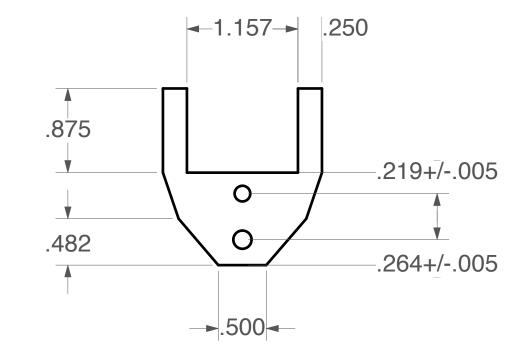
4. (B) TAP THRU FOR A 8-32 SHOULDER SCREW: THREAD LENGTH .1875 INCHES, SHOULDER DIAMETER .1875 INCHES, SHOULDER LENGTH 1875 INCHES.

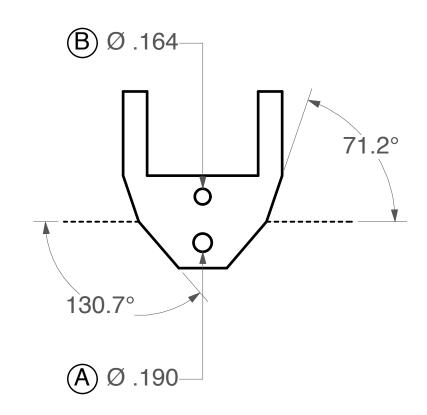


REV

## **TOP VIEW**







SIDE VIEW

**FRONT VIEW** 

**FRONT VIEW** 

ALL DIMENSIONS ARE IN INCHES.
TOLERANCES UNLESS OTHERWISE SPECIFIED:

DEPART 11200 SV DATE 04/27/11 PROJECT

FLORIDA INTERNATIONAL UNIVERSITY DEPARTMENT OF PHYSICS 11200 SW 8TH ST, MIAMI, FL 33199

CALE 1:1 DIAC

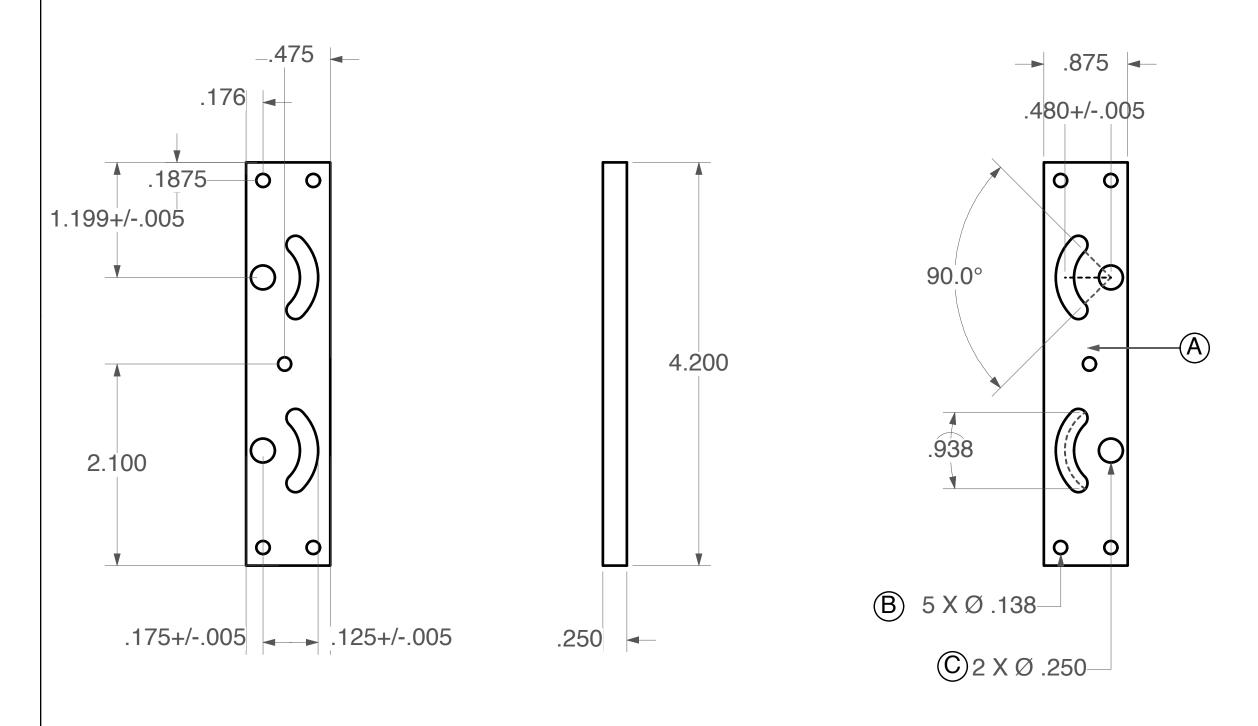
DIAGNOSTIC DESIGN SHEET 1 OF 3

TLE MOUNT PIECE 1

**REVISION HISTORY** NOTES. REV **DESCRIPTION** DATE APPROVED

- 1. MOUNT PIECE 1 IS MADE TO FIT TO MOUNT PIECE 2 AND THE MODULE; CORRESPONDING HOLES SHOULD ALIGN.
- 2. 2 X MOUNT 1B ARE NEEDED.

- 3. (A) CREATE ARC ANGLE TO FIT A 10-32 .190 INCH DIAMETER BUTTON HEAD SOCKET CAP SCREW.
  4. (B) TAP THRU FOR A 6-32 .138 INCH DIAMETER BUTTON HEAD SOCKET CAP SCREW.
  5. (C) BORE THRU FOR A 10-24 .190 INCH DIAMETER SHOULDER SCREW: SHOULDER DIAMETER .25 INCHES, SHOULDER LENGTH .3125 INCHES.



SIDE VIEW

**FRONT VIEW** 

SIDE VIEW

ALL DIMENSIONS ARE IN INCHES.
TOLERANCES UNLESS
OTHERWISE SPECIFIED: 

FLORIDA INTERNATIONAL UNIVERSITY DEPARTMENT OF PHYSICS 11200 SW 8TH ST, MIAMI, FL 33199

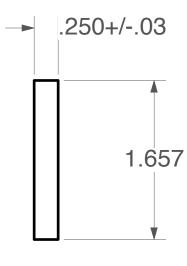
DATE 04/27/11 PROJECT

DIAGNOSTIC DESIGN SHEET 2 OF 3 DRAWN BY RAMONA

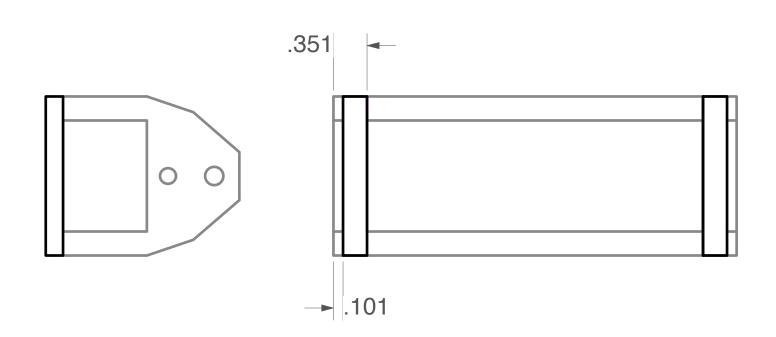
VALENZUELA PEREZ

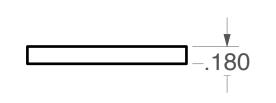
**MOUNT PIECE 1** 

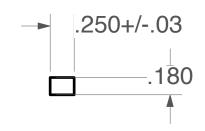
**REVISION HISTORY** REV DESCRIPTION DATE APPROVED NOTES. 1. MOUNT PIECE 1 IS MADE TO FIT TO MOUNT PIECE 2 AND THE MODULE; CORRESPONDING HOLES SHOULD ALIGN. 2. 2 X MOUNT 1C ARE NEEDED. .250+/-.03



**TOP VIEW** 







SIDE VIEW WELDED TO MOUNT 1A

**TOP VIEW WELDED** TO MOUNT 1B

**SIDE VIEW** 

**FRONT VIEW** 

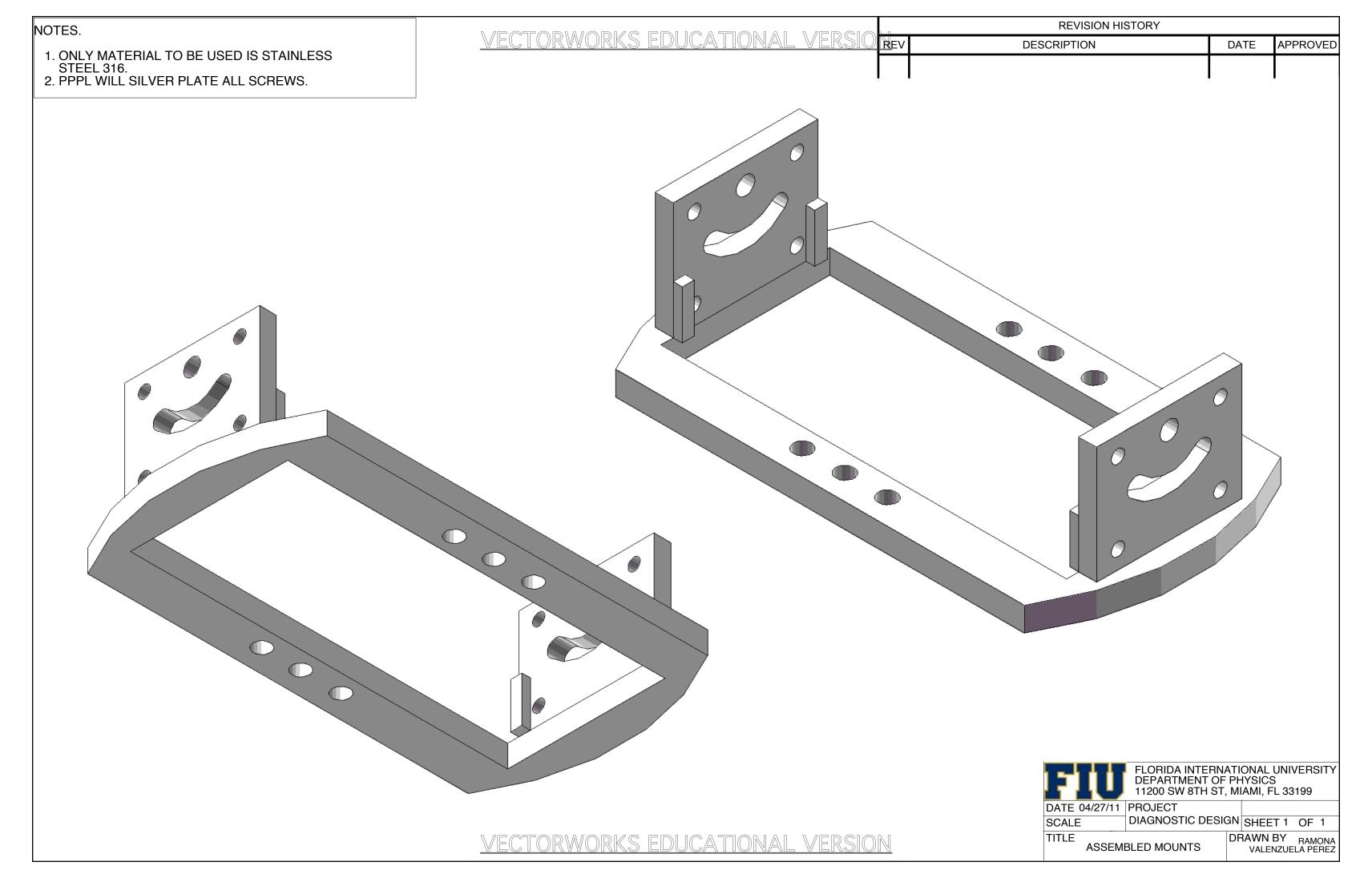
ALL DIMENSIONS ARE IN INCHES.
TOLERANCES UNLESS
OTHERWISE SPECIFIED: 

FLORIDA INTERNATIONAL UNIVERSITY DEPARTMENT OF PHYSICS 11200 SW 8TH ST, MIAMI, FL 33199

DATE 04/27/11 PROJECT

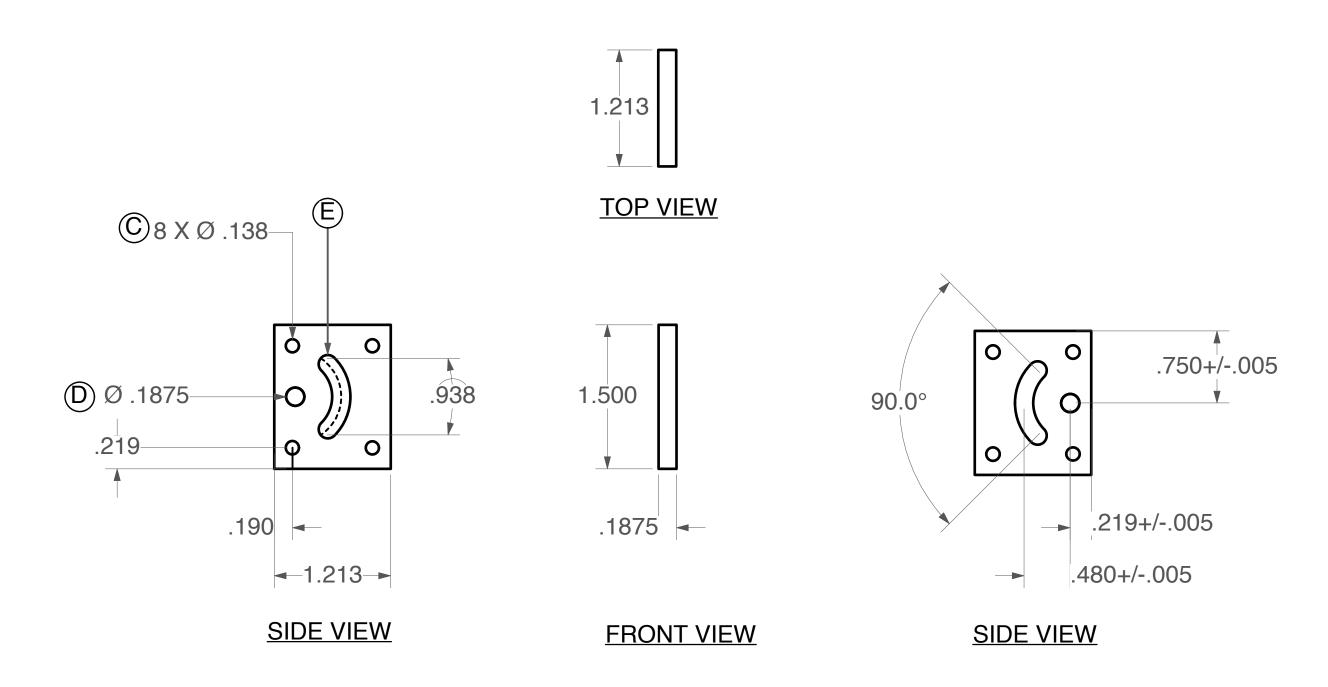
DIAGNOSTIC DESIGN SHEET 3 OF 3

**MOUNT PIECE 1** 



**REVISION HISTORY** REV **DESCRIPTION** DATE **APPROVED** 

- 1. MOUNT PIECE 2 IS MADE TO FIT TO MOUNT PIECE 1 AND MOUNT PIECE 3; CORRESPONDING HOLES SHOULD ALIGN.
- 2. 2 X MOUNT 2A ARE NEEDED.
- 3. (C) TAP THRU FOR A 6-32 .138 INCH DIAMETER BUTTON HEAD SOCKET CAP SCREW. 4. (D) BORE THRU FOR A 8-32 SHOULDER SCREW: SHOULDER DIAMTER .1875 INCHES, SHOULDER LENGTH .1875 INCHES.
- 5. (E) CREATE ARC ANGLE TO FIT A 10-32 .190 INCH DIAMETER MACHINE SCREW.





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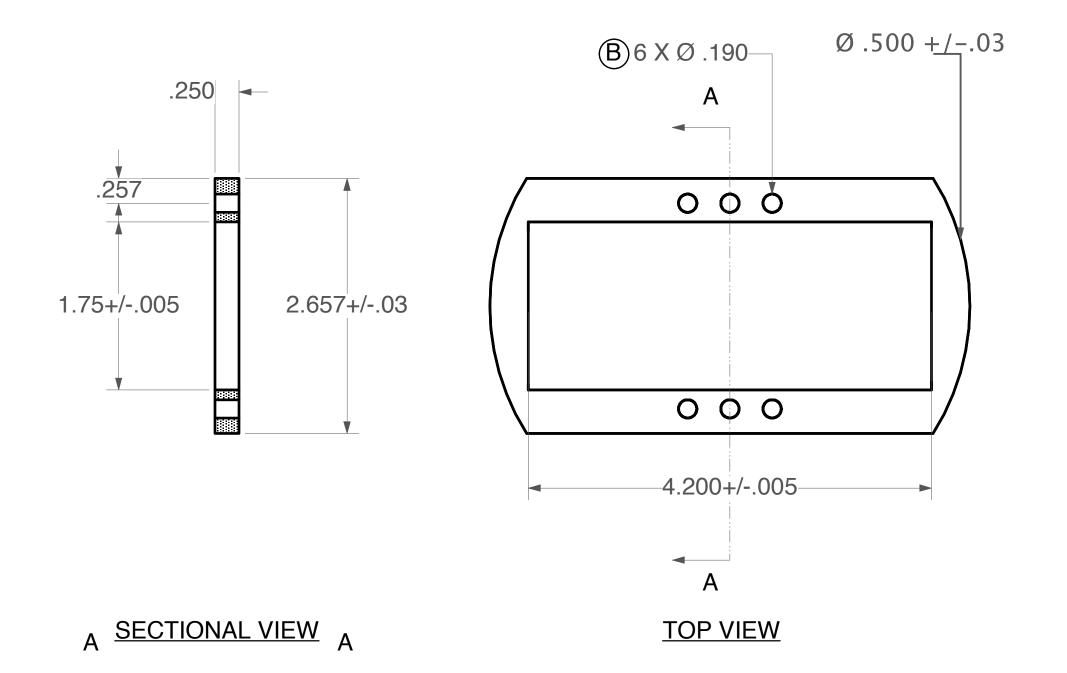
DIAGNOSTIC DESIGN SHEET 1 OF 3

**REVISION HISTORY** 

REV DATE DESCRIPTION APPROVED

MOUNT PIECE 2 IS MADE TO FIT TO MOUNT PIECE 1 AND MOUNT PIECE 3; CORRESPONDING HOLES SHOULD ALIGN.
 (B) TAP THRU FOR A 10-32 .190 INCH DIAMETER BUTTON HEAD

SÓCKET CAP SCREW.



VALENZUELA PEREZ

DESCRIPTION

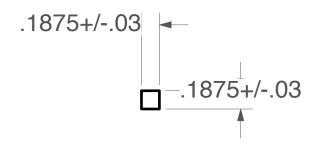
**REVISION HISTORY** 

DATE

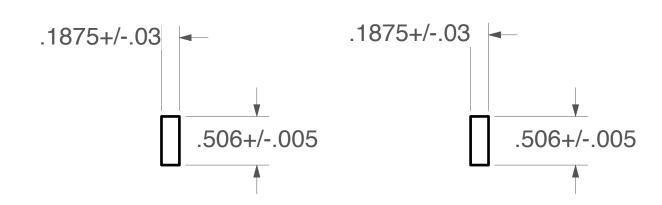
APPROVED

1. MOUNT PIECE 2 IS MADE TO FIT TO MOUNT PIECE 1 AND MOUNT PIECE 3; CORRESPONDING HOLES SHOULD ALIGN.

2. 4 X MOÚNT 2C ARE NEEDED.

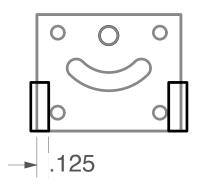


## **TOP VIEW**



**FRONT VIEW** 

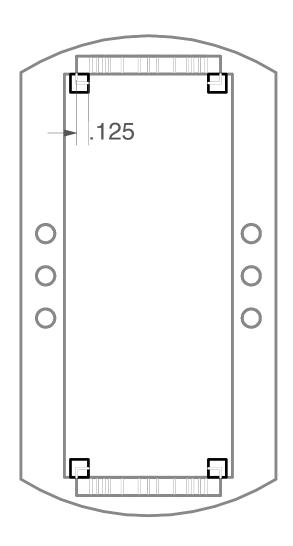
**SIDE VIEW** 



FRONT VIEW WELDED TO MOUNT 1A



SIDE VIEW WELDED TO MOUNT 1A



**TOP VIEW WELDED** TO MOUNT 1A

ALL DIMENSIONS ARE IN INCHES.
TOLERANCES UNLESS
OTHERWISE SPECIFIED:

DEPART
11200 SV
DATE 04/27/11 PROJECT



FLORIDA INTERNATIONAL UNIVERSITY DEPARTMENT OF PHYSICS 11200 SW 8TH ST, MIAMI, FL 33199

DIAGNOSTIC DESIGN SHEET 3 OF 3

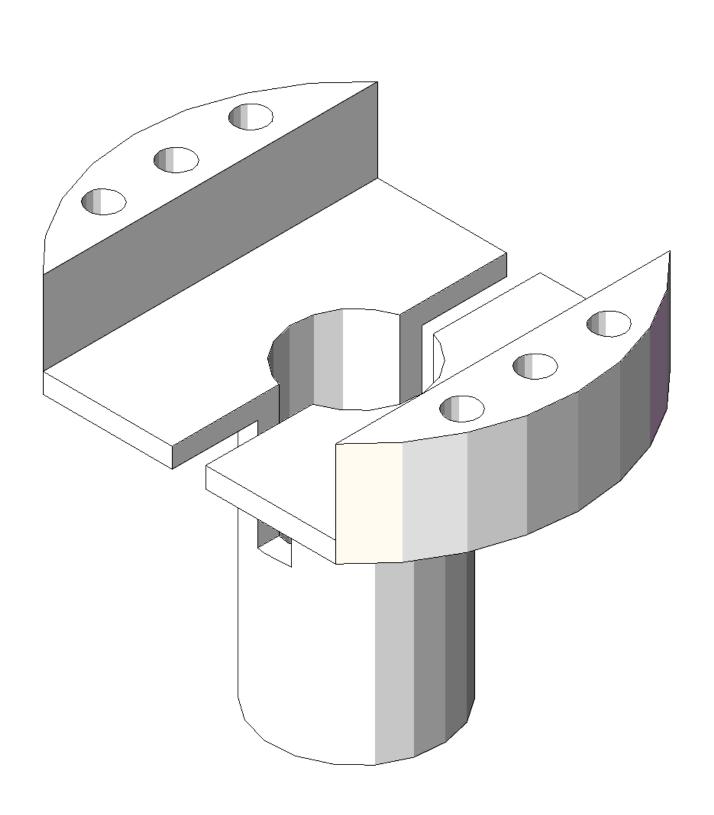
**MOUNT PIECE 2** 

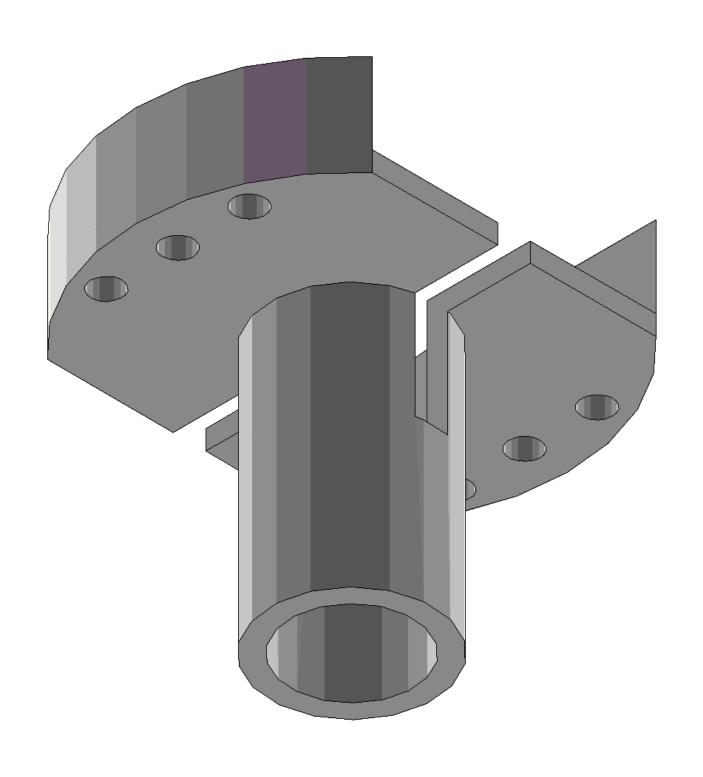
1. ONLY MATERIAL TO BE USED IS STAINLESS STEEL 316.

2. PPPL WILL SILVER PLATE ALL SCREWS.

**REVISION HISTORY** 

REV APPROVED DESCRIPTION DATE



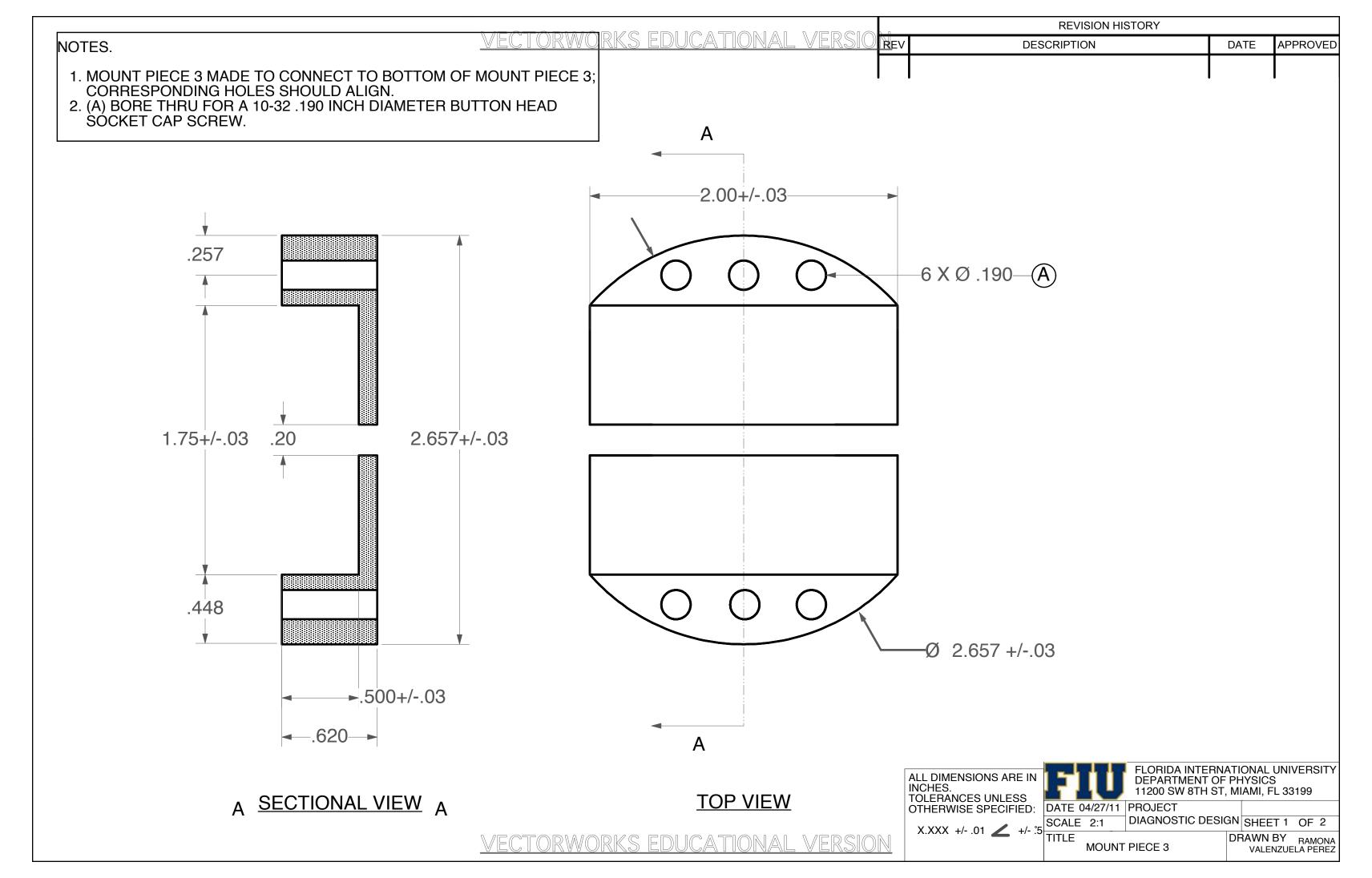


FLORIDA INTERNATIONAL UNIVERSITY DEPARTMENT OF PHYSICS 11200 SW 8TH ST, MIAMI, FL 33199

DATE 04/27/11 PROJECT SCALE

DIAGNOSTIC DESIGN SHEET 1 OF 1

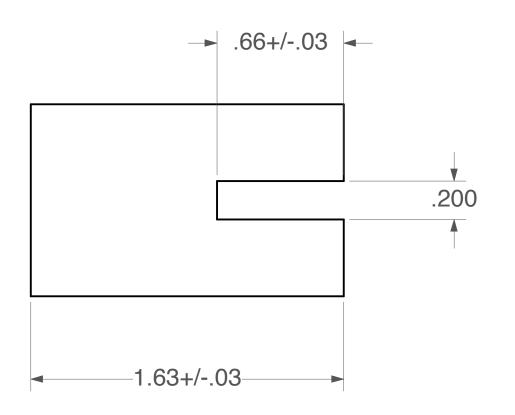
TITLE ASSEMBLED MOUNTS

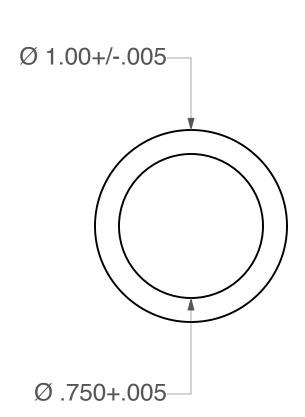


**REVISION HISTORY** REV APPROVED DESCRIPTION DATE

NOTES.

1. MOUNT PIECE 3 MADE TO CONNECT TO BOTTOM OF MOUNT PIECE 3; CORRESPONDING HOLES SHOULD ALIGN.





**SIDE VIEW** 

**BOTTOM VIEW** 

ALL DIMENSIONS ARE IN INCHES.
TOLERANCES UNLESS OTHERWISE SPECIFIED: DATE 04/27/11 PROJECT 

FLORIDA INTERNATIONAL UNIVERSITY DEPARTMENT OF PHYSICS 11200 SW 8TH ST, MIAMI, FL 33199

DIAGNOSTIC DESIGN SHEET 2 OF 2

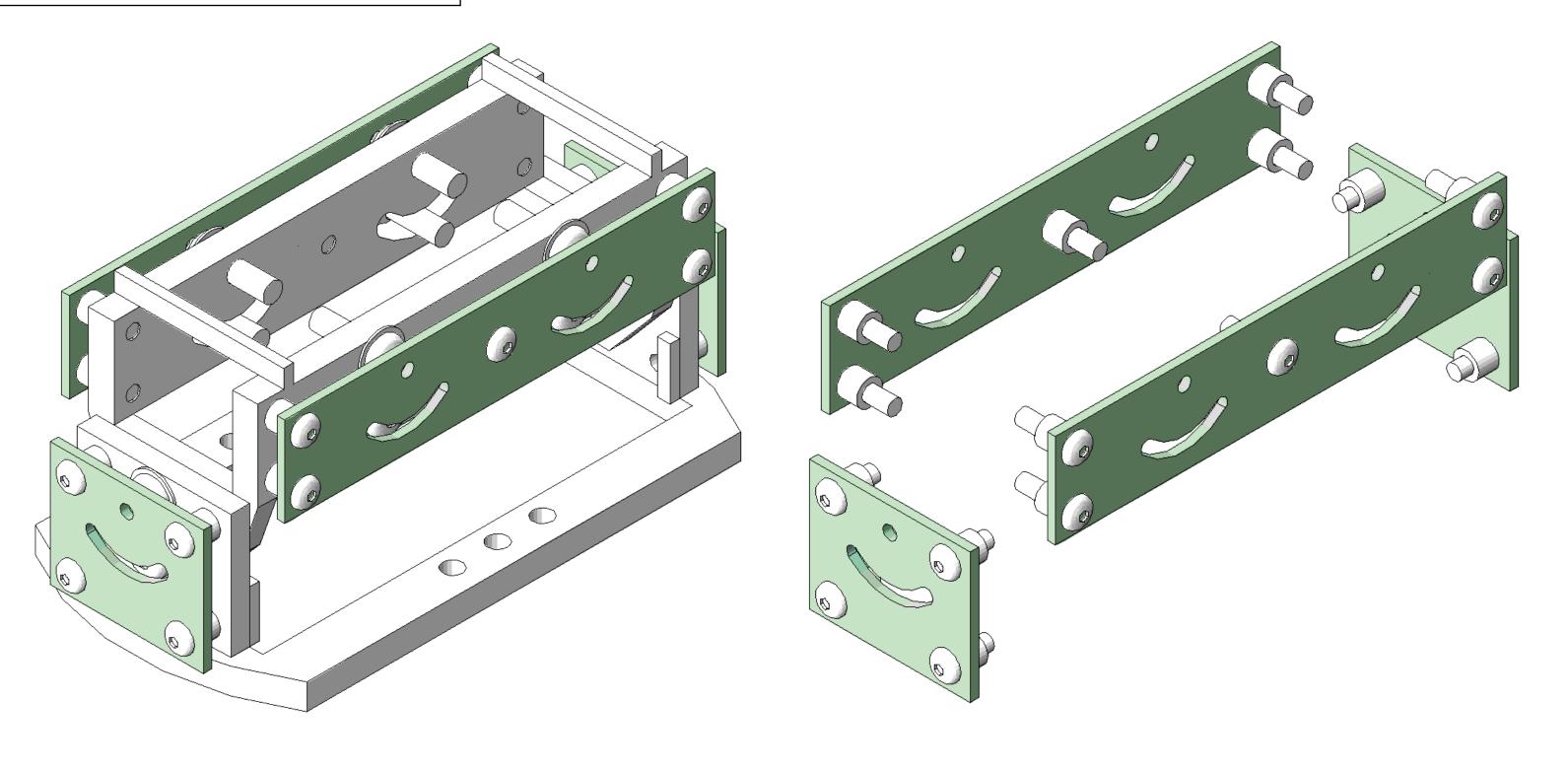
MOUNT PIECE 3

ONLY MATERIAL TO BE USED IS STAINLESS STEEL 316.
 PPPL WILL SILVER PLATE ALL SCREWS.

REV

**REVISION HISTORY** DESCRIPTION

APPROVED DATE

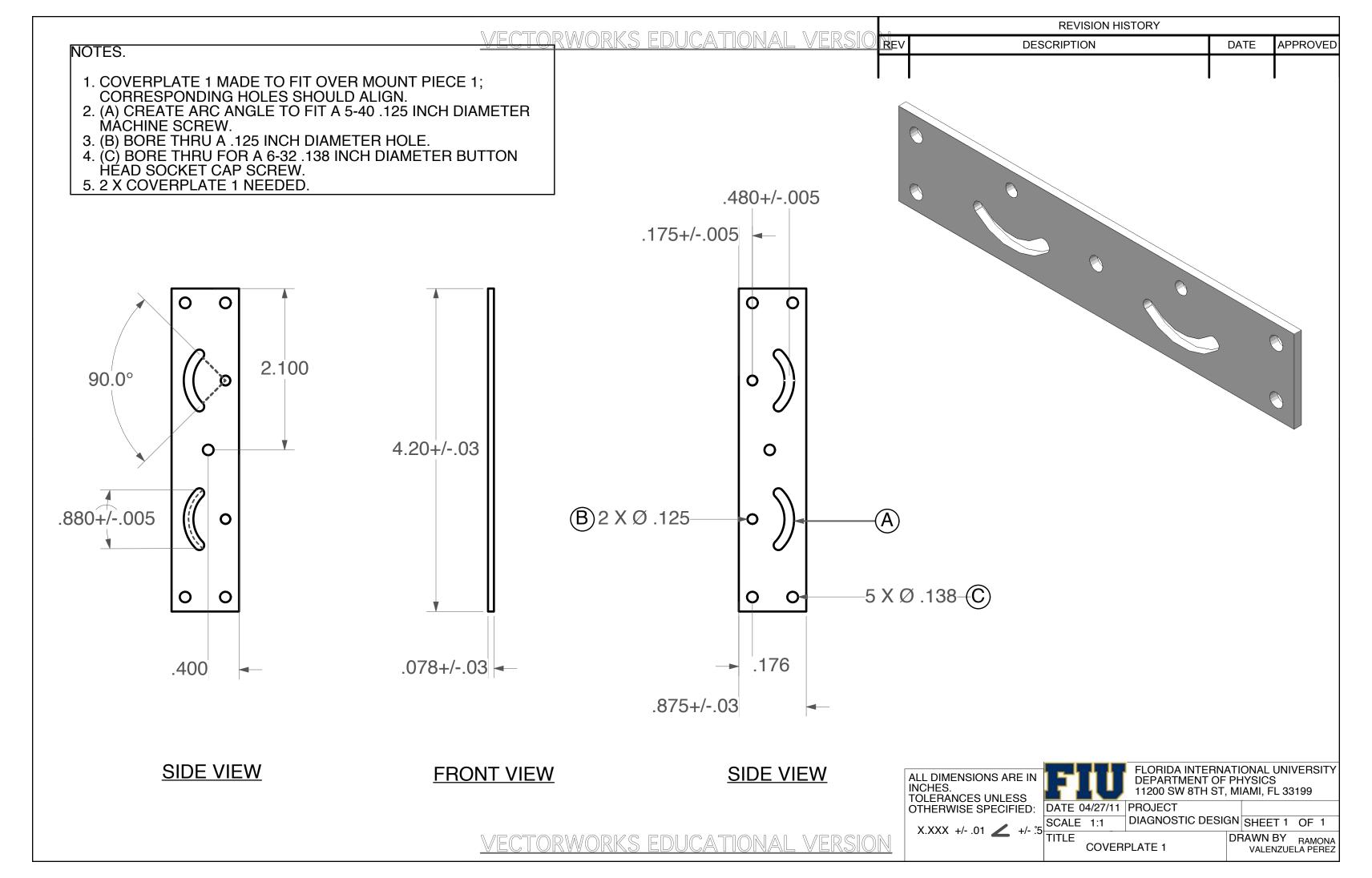


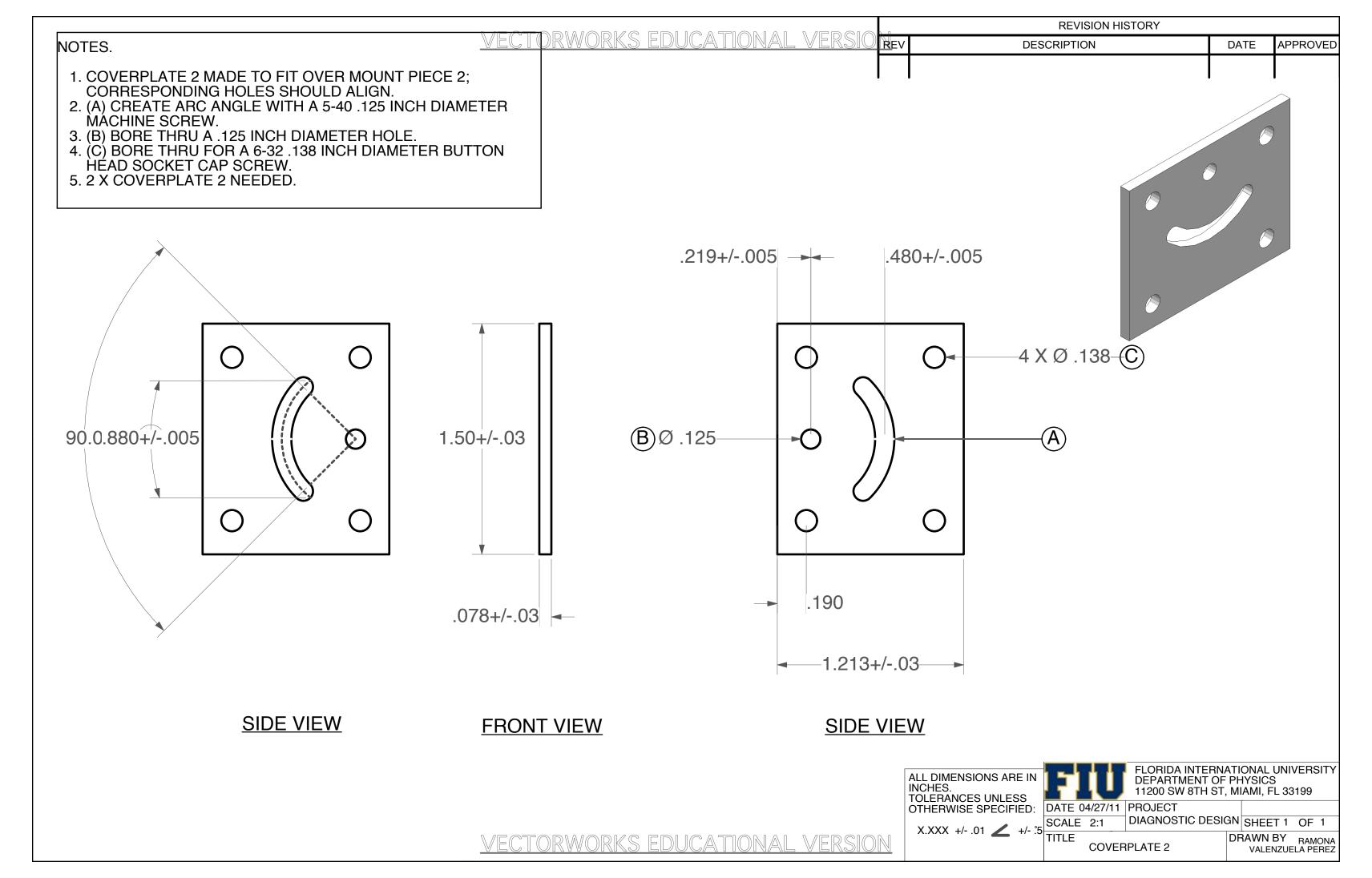


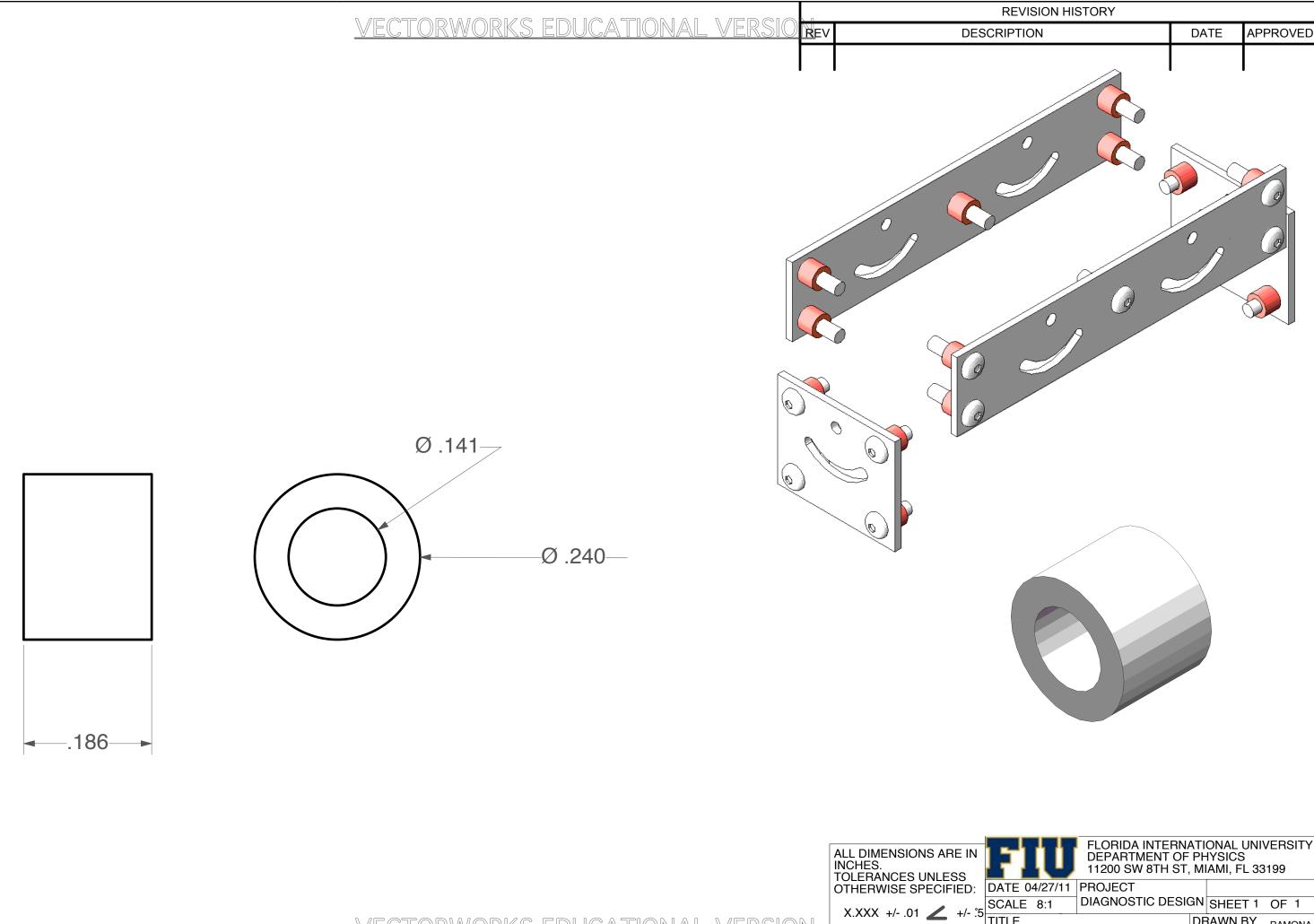
FLORIDA INTERNATIONAL UNIVERSITY DEPARTMENT OF PHYSICS 11200 SW 8TH ST, MIAMI, FL 33199

DATE 04/27/11 PROJECT
SCALE DIAGNOSTIC DESIGN SHEET 1 OF 1

DRAWN BY RAMONA
ASSEMBLED COVERPLATES VALENZUELA PEREZ







FLORIDA INTERNATIONAL UNIVERSITY DEPARTMENT OF PHYSICS 11200 SW 8TH ST, MIAMI, FL 33199

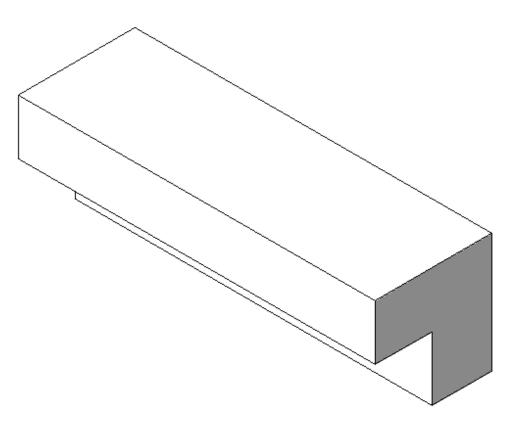
**COVERPLATE WASHER** 

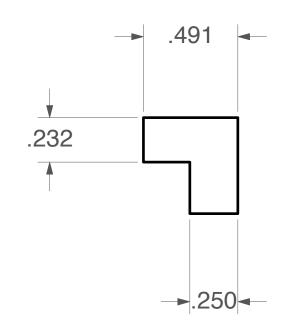
**REVISION HISTORY** DESCRIPTION

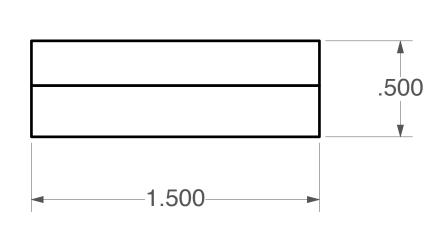
REV

APPROVED DATE

1. ANGLEBLOCK 1 MADE TO ROTATE MODULE 28 DEGREES AWAY FROM CENTER OF MOUNT PIECE 1.







ALL DIMENSIONS ARE IN INCHES.
TOLERANCES UNLESS OTHERWISE SPECIFIED:

DATE 04/27/11 PROJECT

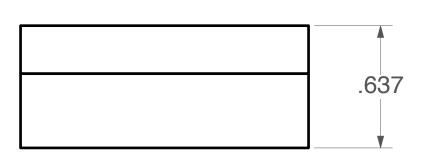
FLORIDA INTERNATIONAL UNIVERSITY DEPARTMENT OF PHYSICS 11200 SW 8TH ST, MIAMI, FL 33199

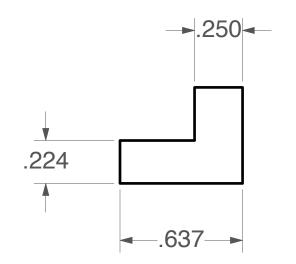
DIAGNOSTIC DESIGN SHEET 1 OF 1

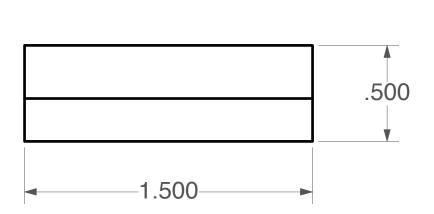
REV NOTES.

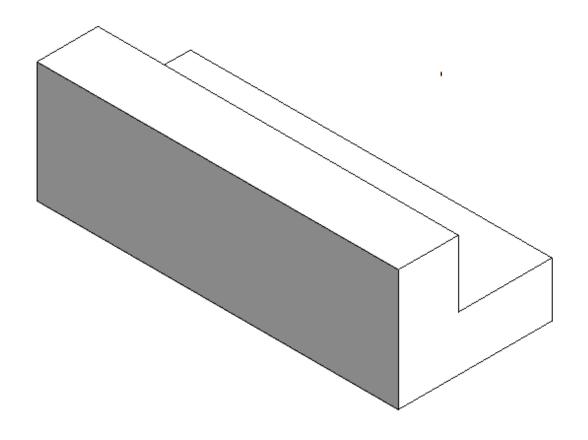
**REVISION HISTORY** APPROVED DESCRIPTION DATE

1. ANGLEBLOCK 2 MADE TO ROTATE MODULE 10 DEGREES TOWARDS CENTER OF MOUNT PIECE 1.









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TOLERANCES UNLESS OTHERWISE SPECIFIED:

DATE 04/27/11 PROJECT

FLORIDA INTERNATIONAL UNIVERSITY DEPARTMENT OF PHYSICS 11200 SW 8TH ST, MIAMI, FL 33199

X.XXX +/- .01 \_\_ +/- .5 SCALE 2:1



DIAGNOSTIC DESIGN SHEET 1 OF 1

ANGLEBLOCK 2