

87654321

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF MBARI. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF MBARI IS PROHIBITED.

REV. G

DESCRIPTIONG As Built Current Rev Level G

DATE02/06

APPROVEDMP

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	1002131-001	Sample heater base	1
2	1002131-003	Watlow heater mount	1
3	Teflon Gasket	Teflon Gasket	1
4	1002115	Watlow heater	1
5	P- 200181-06-	Conductive Mount	1
6	Truarc 5100-112 - S1.125	Snap Ring	1
7	1002131-004	3/8 - 40 nut	1

Shop / Q.C.

Inspector

Shop Foreman

Engineer

NEXT ASSY Description

NEXT ASSY Number

Application

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:

1 PLACE DIM ±1/16

2 PLACE DIM ±.02

3 PLACE DIM ±.005

ANGLES ±1°

1. DIMENSIONS ARE IN INCHES

2. DIMENSION LIMITS HELD AFTER PLATING.

3. REMOVE BURRS AND SHARP EDGES .015 MAX.

4. MACHINED FILLET RADII .0150-.030.

5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005

6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH, MAX .012 INCHES FOR SINGLE SURFACE.

DO NOT SCALE DRAWING

APPROVALS

DATE

DRAWN Jason Feldman 9/27/00

ENGINEER Jason Feldman 9/27/00

CHECKED

PROJECT NO. 701312

PROJECT ESP 2G

WEIGHT

Monterey Bay Aquarium Research Institute

MBARI

7700 Sandholdt RD.

Moss Landing, CA 95039

PH: (831) 775-1700

Sample Heater Assembly

SIZE B

DWG. NO. 1002131

REV. G

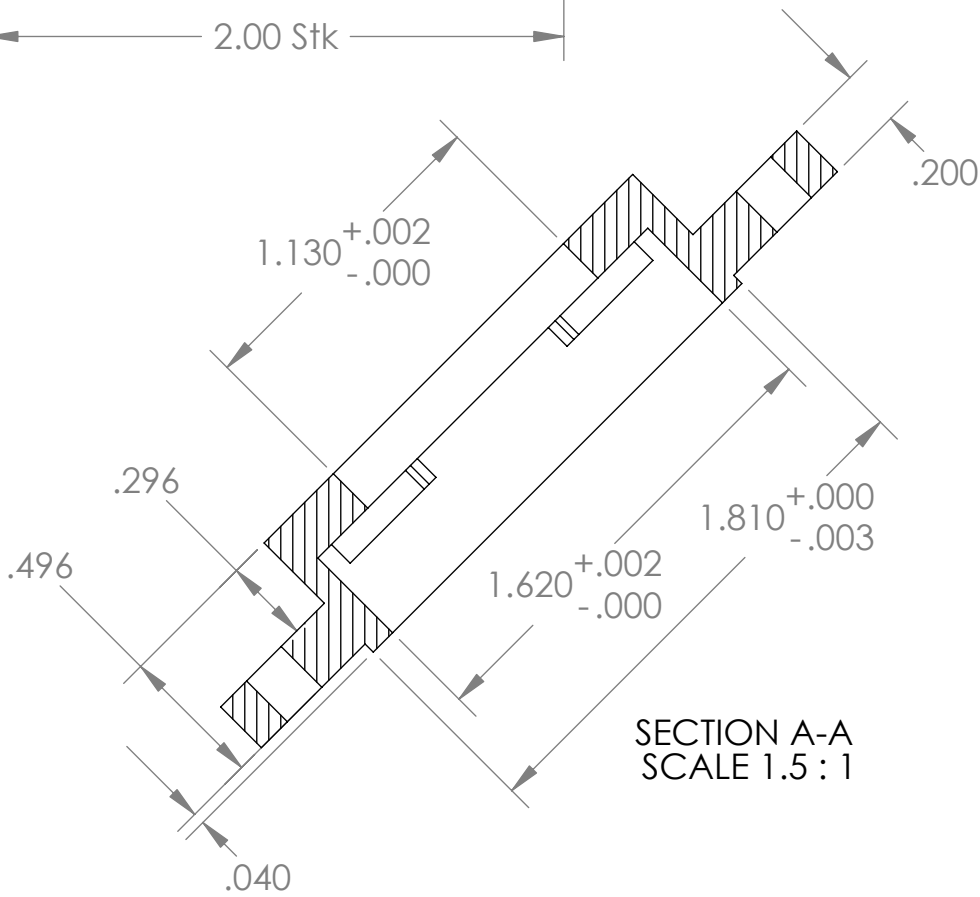
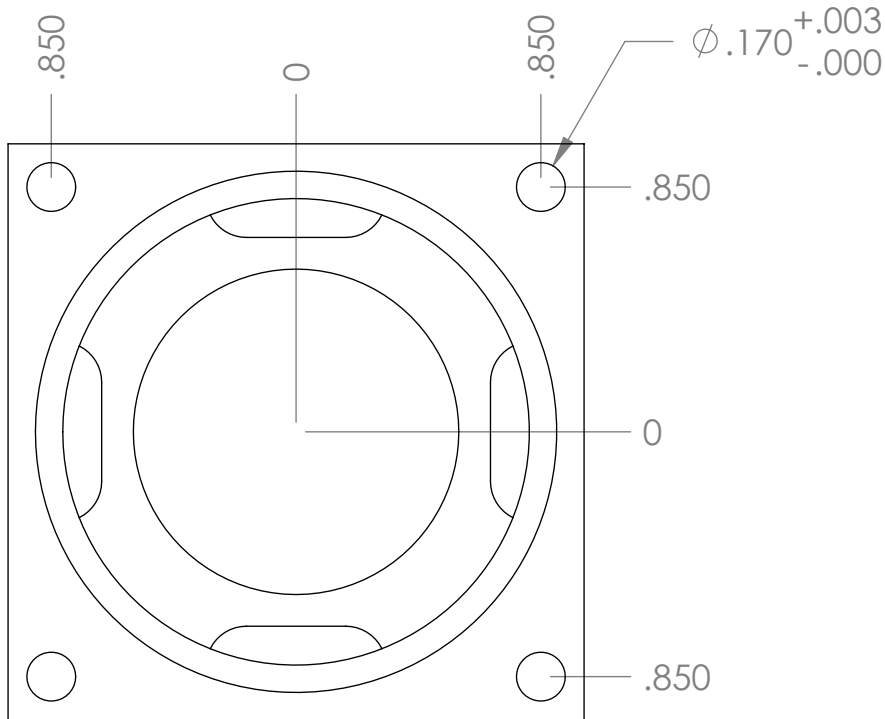
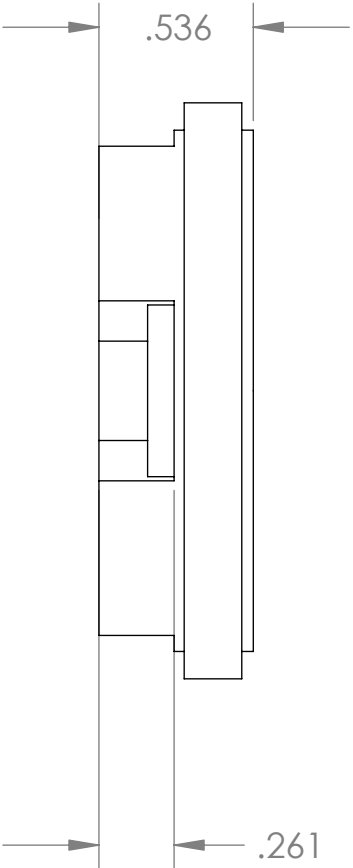
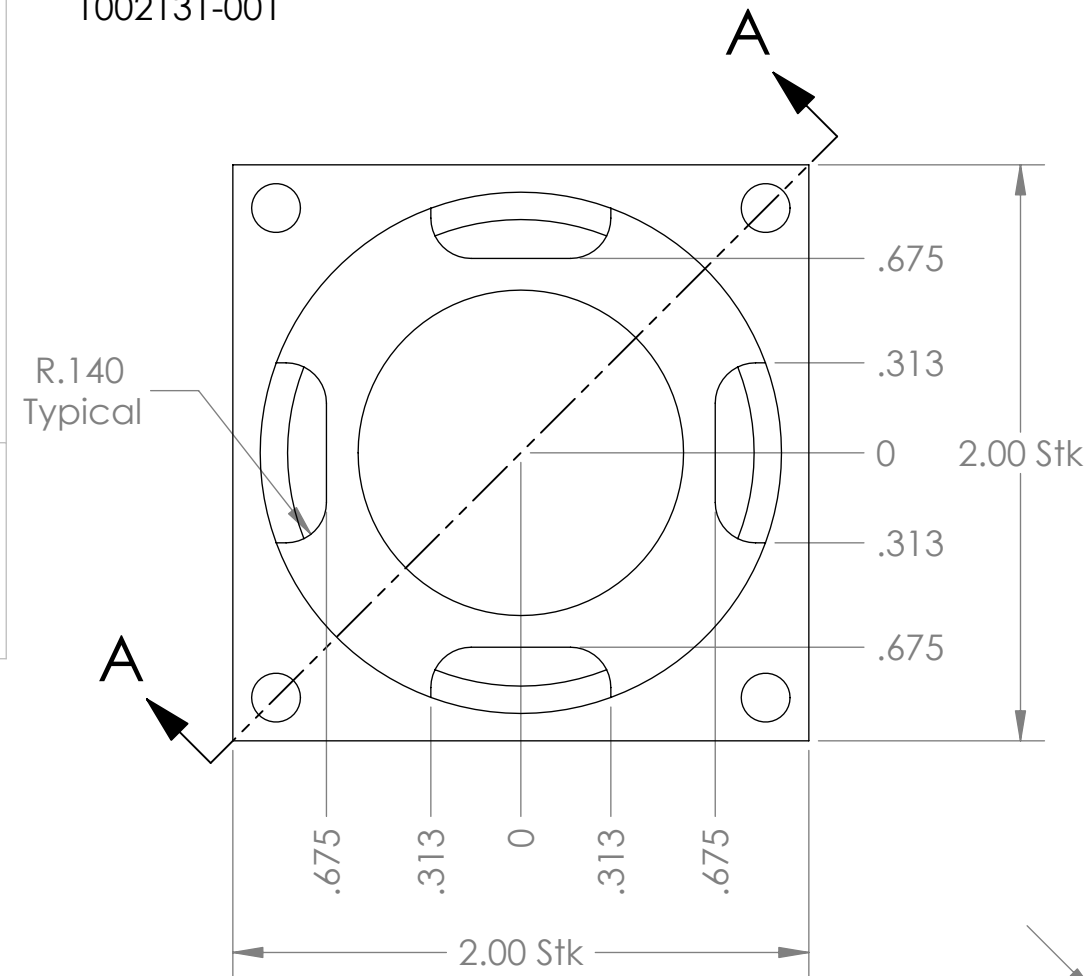
SCALE 1:1

CAD FILE: MECH ENG ON TORNADO

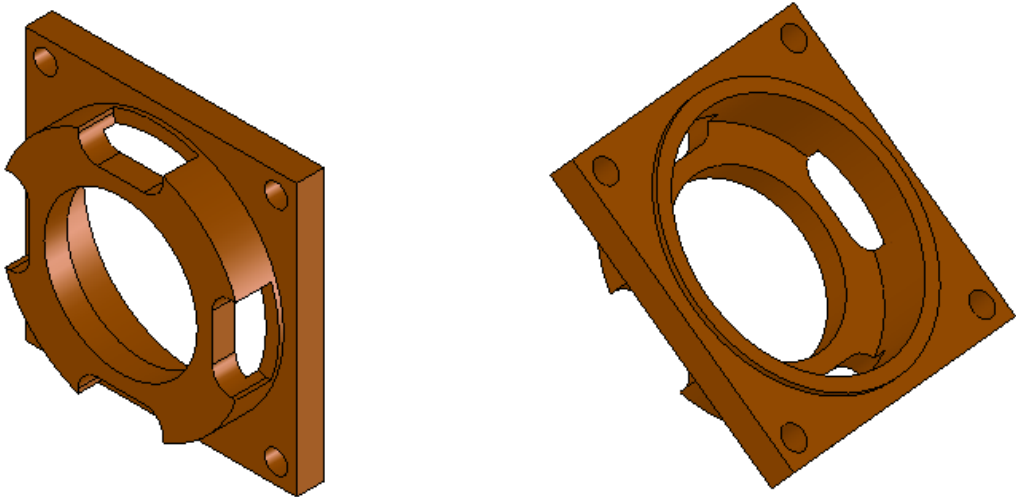
SHEET 1 OF 4

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
G	As Built Rev. Current level 'G'	02/06	MP

R.140
Typical

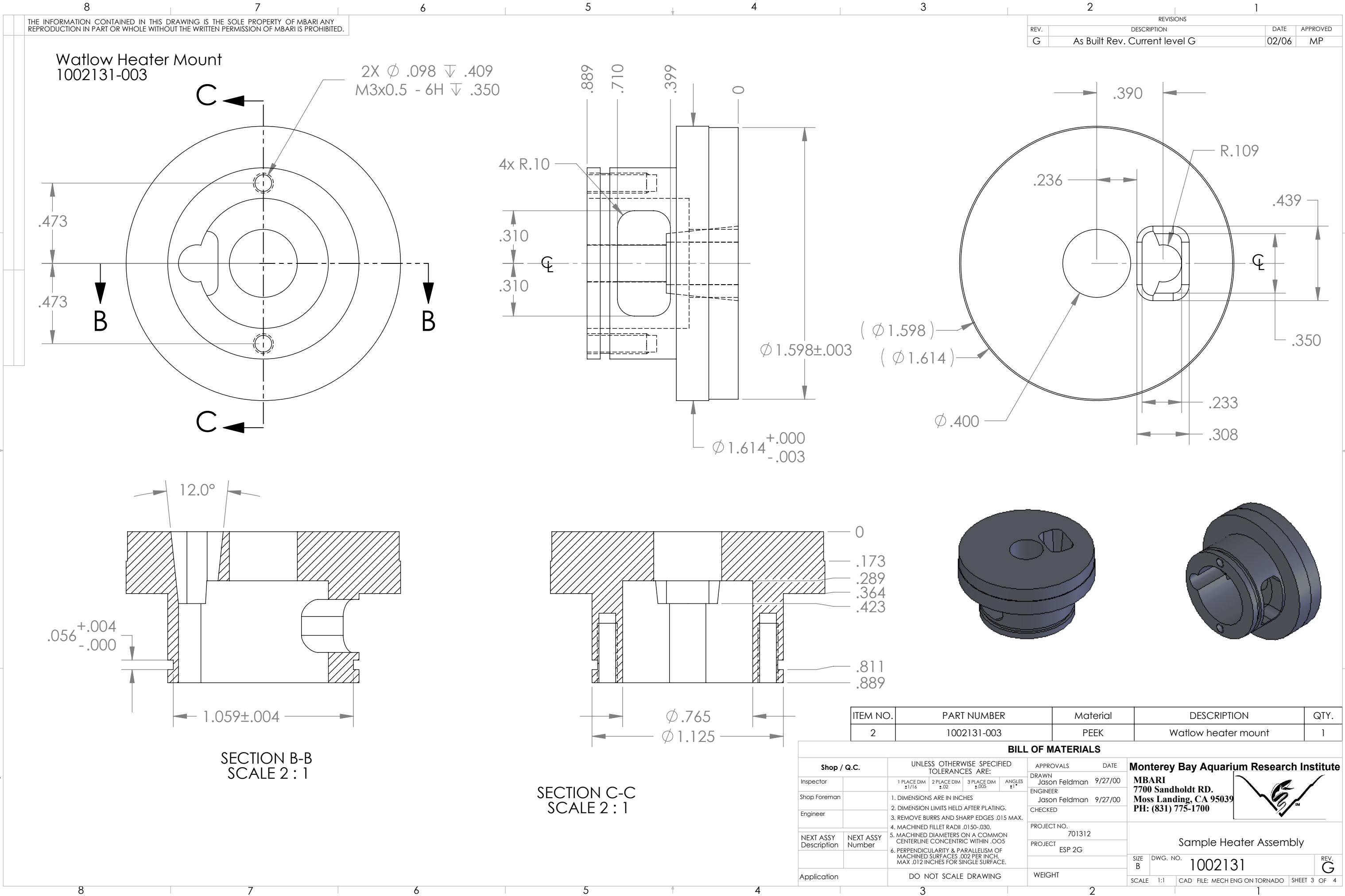


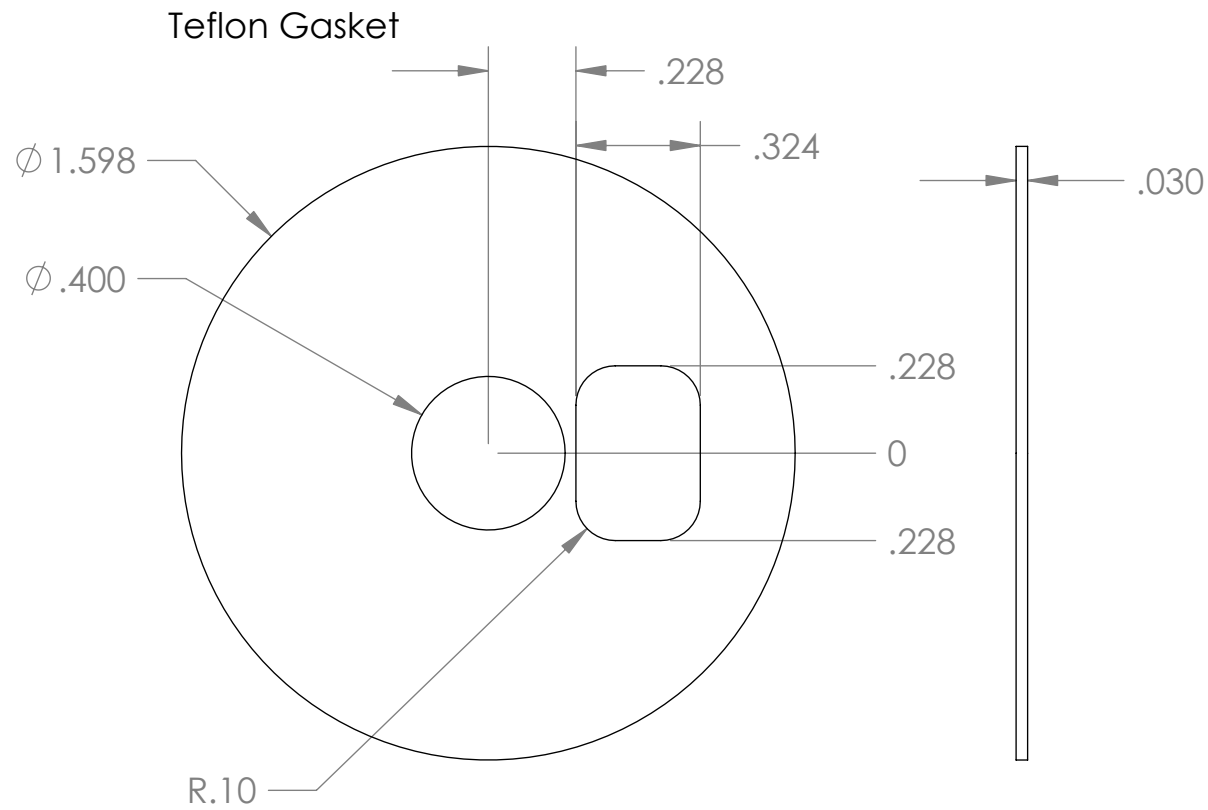
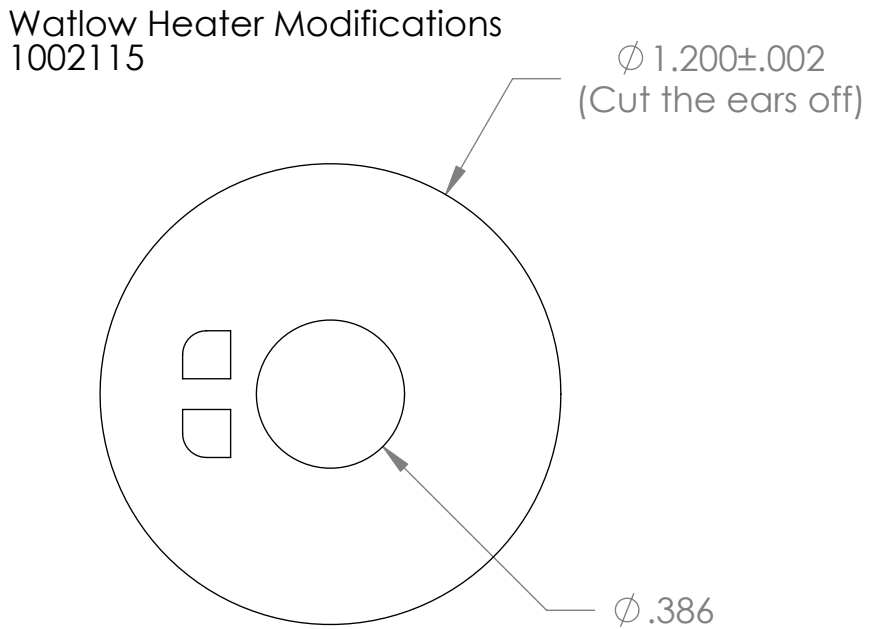
SECTION A-A
SCALE 1.5 : 1



ITEM NO.	Material	PART NUMBER	DESCRIPTION	QTY.
1	6061-T6 Al	1002131-001	Sample heater base	1

BILL OF MATERIALS															
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE		Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700 					
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN Jason Feldman	9/27/00	ENGINEER Jason Feldman	9/27/00						
Shop Foreman		1. DIMENSIONS ARE IN INCHES				CHECKED									
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING.													
NEXT ASSY Description	NEXT ASSY Number	3. REMOVE BURRS AND SHARP EDGES .015 MAX.						PROJECT NO.							
		4. MACHINED FILLET RADII .0150-.030.						701312							
		5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005						PROJECT							
		6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER CH. MAX. .012 INCHES FOR SINGLE SURFACE.						ESP 2G							
Application		DO NOT SCALE DRAWING				WEIGHT				SIZE B		DWG. NO. 1002131		REV. G	
										SCALE 1:1		CAD FILE: MECH ENG ON TORNADO		SHEET 2 OF 4	





ITEM NO.	PART NUMBER	Material	DESCRIPTION	QTY.
7	1002131-004	17-4 Stainless Steel	3/8 - 40 nut	1
3	Teflon Gasket	Teflon	Teflon Gasket	1
4	1002115	Watlow Heater	Watlow Heater Mods	1

Shop / Q.C.					UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:		APPROVALS		DATE		Monterey Bay Aquarium Research Institute				
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN Jason Feldman	9/27/00		MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700 						
Shop Foreman		1. DIMENSIONS ARE IN INCHES 2. DIMENSION LIMITS HELD AFTER PLATING. 3. REMOVE BURRS AND SHARP EDGES .015 MAX. 4. MACHINED FILLET RADII .0150-.030. 5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005 6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH MAX .012 INCHES FOR SINGLE SURFACE.				ENGINEER Jason Feldman	9/27/00								
Engineer						CHECKED									
NEXT ASSY Description	NEXT ASSY Number					PROJECT NO. 701312									
						PROJECT ESP 2G				Sample Heater Assembly					
Application		DO NOT SCALE DRAWING				WEIGHT									
								SIZE B		DWG. NO. 1002131		REV. G			
								SCALE 2:1		CAD FILE: MECH ENG ON TORNADO		SHEET 4 OF 4			