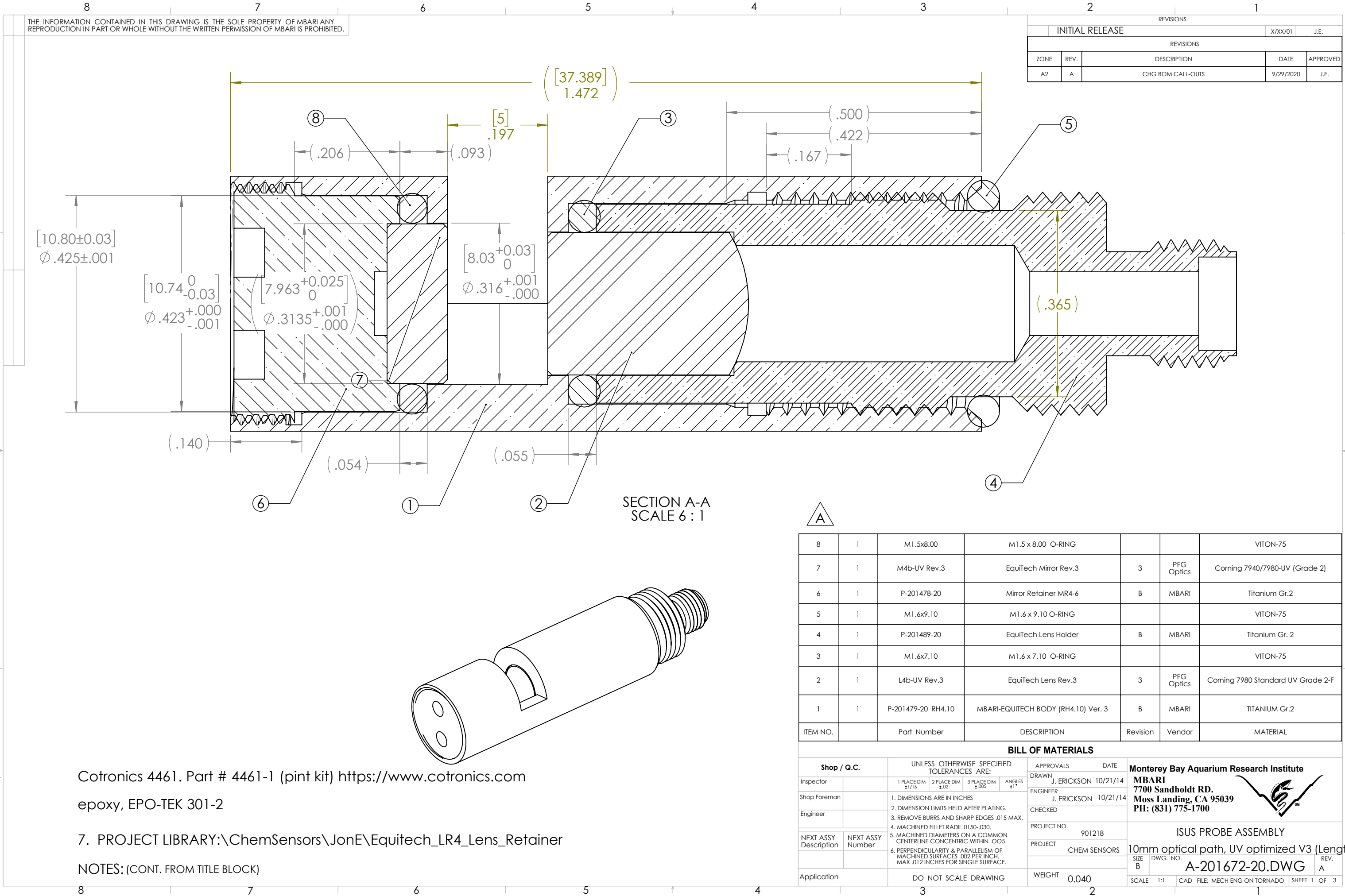




THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF MBARI. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF MBARI IS PROHIBITED.

REVISIONS				
INITIAL RELEASE			X/XX/01	J.E.
REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
A2	A	CHG BOM CALL-OUTS	9/29/2020	J.E.

SECTION A-A
SCALE 6 : 1



8	1	M1.5x8.00	M1.5 x 8.00 O-RING			VITON-75
7	1	M4b-UV Rev.3	EquiTech Mirror Rev.3	3	PFG Optics	Corning 7940/7980-UV (Grade 2)
6	1	P-201478-20	Mirror Retainer MR4-6	B	MBARI	Titanium Gr.2
5	1	M1.6x9.10	M1.6 x 9.10 O-RING			VITON-75
4	1	P-201489-20	EquiTech Lens Holder	B	MBARI	Titanium Gr. 2
3	1	M1.6x7.10	M1.6 x 7.10 O-RING			VITON-75
2	1	L4b-UV Rev.3	EquiTech Lens Rev.3	3	PFG Optics	Corning 7980 Standard UV Grade 2-F
1	1	P-201479-20_RH4.10	MBARI-EQUITECH BODY (RH4.10) Ver. 3	B	MBARI	TITANIUM Gr.2
ITEM NO.		Part_Number	DESCRIPTION	Revision	Vendor	MATERIAL

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	J. ERICKSON	10/21/14			
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	J. ERICKSON	10/21/14	ISUS PROBE ASSEMBLY 10mm optical path, UV optimized V3 (Lengthened) A-201672-20.DWG		
Engineer						CHECKED					
NEXT ASSY Description	NEXT ASSY Number					PROJECT NO.	901218				
						PROJECT	CHEM SENSORS				
Application		DO NOT SCALE DRAWING				WEIGHT	0.040		SCALE	1:1	CAD FILE: MECH ENG ON TORNADO
									SHEET	1	OF 3

8

7

6

5

4

3

2

1

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.

DESCRIPTION

DATE

APPROVED

INITIAL RELEASE

X/XX/00

J.E.

8	1	M1.5x8.00	M1.5 x 8.00 O-RING			VITON-75
7	1	M1.6x9.10	M1.6 x 9.10 O-RING			VITON-75
6	1	M1.6x7.10	M1.6 x 7.10 O-RING			VITON-75
5	1	M4b-UV Rev.3	EquiTech Mirror Rev.3	3	PFG Optics	Corning 7940/7980-UV (Grade 2)
4	1	P-201478-20	Mirror Retainer MR4-6	B	MBARI	Titanium Gr.2
3	1	P-201489-20	EquiTech Lens Holder	B	MBARI	Titanium Gr. 2
2	1	L4b-UV Rev.3	EquiTech Lens Rev.3	3	PFG Optics	Corning 7980 Standard UV Grade 2-F
1	1	P-201479-20_RH4.10	MBARI-EQUITECH BODY (RH4.10) Ver. 3	B	MBARI	TITANIUM Gr.2
ITEM NO.	QTY.	Part_Number	DESCRIPTION	Revision	Vendor	MATERIAL

Shop / Q.C.

Inspector

Shop Foreman

Engineer

NEXT ASSY Description

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.

APPROVALS

DATE

DRAWN J. ERICKSON 10/21/14

ENGINEER J. ERICKSON 10/21/14

CHECKED

PROJECT NO. 901218

PROJECT CHEM SENSORS

WEIGHT 0.040 lb.

Monterey Bay Aquarium Research Institute

MBARI

7700 Sandholdt RD.

Moss Landing, CA 95039

PH: (831) 775-1700

EQUITECH - ISUS PROBE TOOL PRINT

10mm optical path, UV optimized V3 (Lengthened)

A-201672-20.DWG

SCALE 2:1

CAD FILE: MECH ENG ON TORNADO

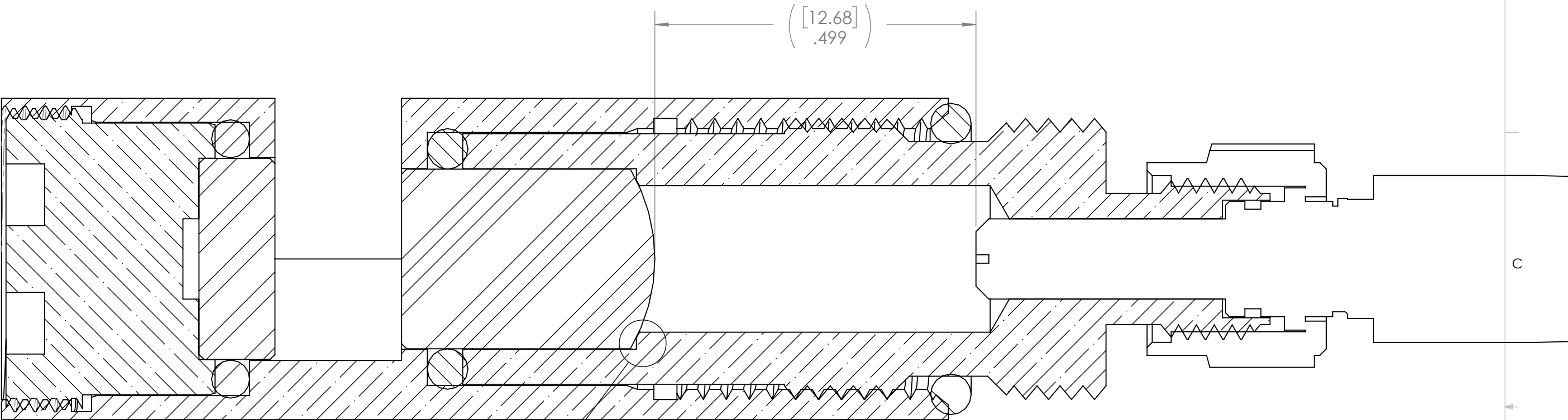
SHEET 2 OF 3

7. PROJECT LIBRARY:\ChemSensors\JonE\Equitech_LR4_Lens_Retainer

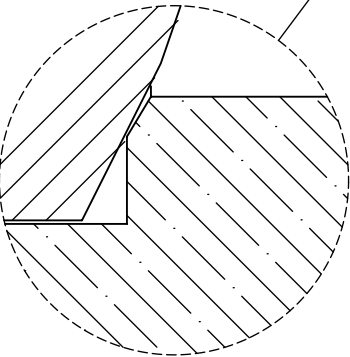
NOTES: (CONT. FROM TITLE BLOCK)

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.

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE	X/XX/00	J.E.



SECTION B-B
SCALE 6 : 1

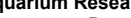


DETAIL C
SCALE 25 : 1

7. PROJECT LIBRARY:\ChemSensors\JonE\Equitech_LR4_Lens_Retainer

ITEM NO.	QTY.	PART NO.	DESCRIPTION	VENDOR	MATERIAL SPECIFICATION
BILL OF MATERIALS					
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:		APPROVALS DATE	
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°
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.			Monterey Bay Aquarium Research Institute  MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700
Engineer		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.			ISUS PROBE ASSEMBLY 10mm optical path, UV optimized V3 (Leng SIZE B DWG. NO. A-201672-20.DWG REV.
NEXT ASSY Description	NEXT ASSY Number			DRAWN J. ERICKSON 10/21/14 ENGINEER J. ERICKSON 10/21/14 CHECKED PROJECT NO. XXX PROJECT ZZZZZZZZ	
Application		DO NOT SCALE DRAWING		WEIGHT 0.040 lb.	SCALE 2:1 CAD FILE: MECH ENG ON TORNADO SHEET 3 OF 3

Monterey Bay Aquarium Research Institute
MBARI
 7700 Sandholdt RD.
 Moss Landing, CA 95039
 PH: (831) 775-1700



ISUS PROBE ASSEMBLY

SIZE B	DWG. NO. A-201672-20.DWG	REV.
-----------	-----------------------------	------