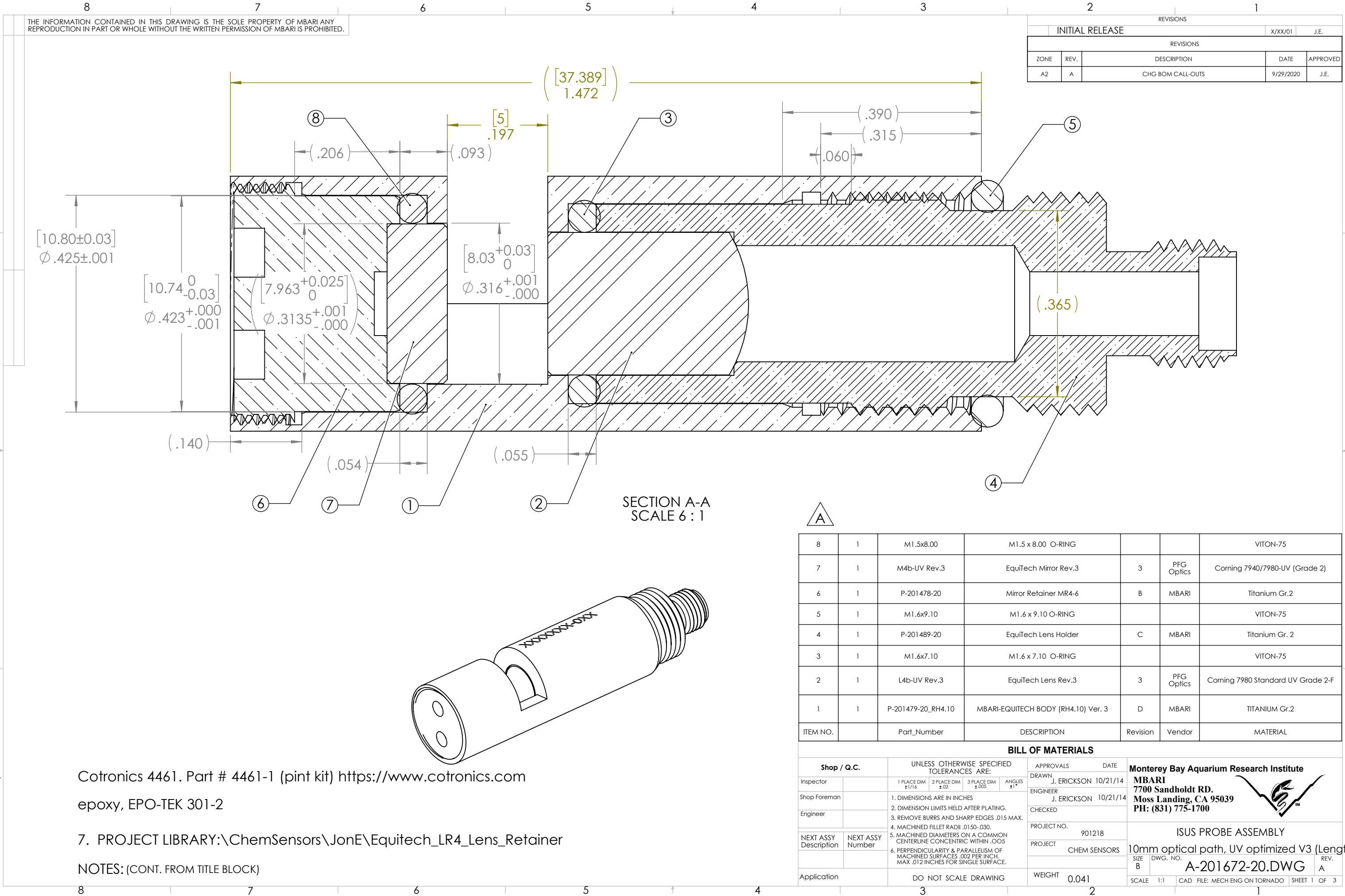




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REVISIONS				
INITIAL RELEASE			X/XX/01	J.E.
REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
A2	A	CHG BOM CALL-OUTS	9/29/2020	J.E.

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	C	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	D	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 ISUS PROBE ASSEMBLY 10mm optical path, UV optimized V3 (Lengthened) A-201672-20.DWG		
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			
Engineer						CHECKED					
NEXT ASSY Description	NEXT ASSY Number					PROJECT NO.	901218		SIZE B	DWG. NO.	REV. A
Application		DO NOT SCALE DRAWING				PROJECT	CHEM SENSORS		SCALE 1:1	CAD FILE: MECH ENG ON TORNADO	SHEET 1 OF 3
						WEIGHT	0.041				

Cotronics 4461. Part # 4461-1 (pint kit) <https://www.cotronics.com>
epoxy, EPO-TEK 301-2
7. PROJECT LIBRARY:\ChemSensors\JonE\Equitech_LR4_Lens_Retainer
NOTES: (CONT. FROM TITLE BLOCK)

8

7

6

5

4

3

2

1

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REV.

DESCRIPTION

DATE

APPROVED

INITIAL RELEASE

X/XX/00

J.E.

7. PROJECT LIBRARY:\ChemSensors\JonE\Equitech_LR4_Lens_Retainer

NOTES: (CONT. FROM TITLE BLOCK)

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	C	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	D	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.

DO NOT SCALE DRAWING

APPROVALS

DATE

DRAWN J. ERICKSON 10/21/14

ENGINEER J. ERICKSON 10/21/14

CHECKED

PROJECT NO. 901218

PROJECT CHEM SENSORS

WEIGHT 0.041 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)

SIZE B

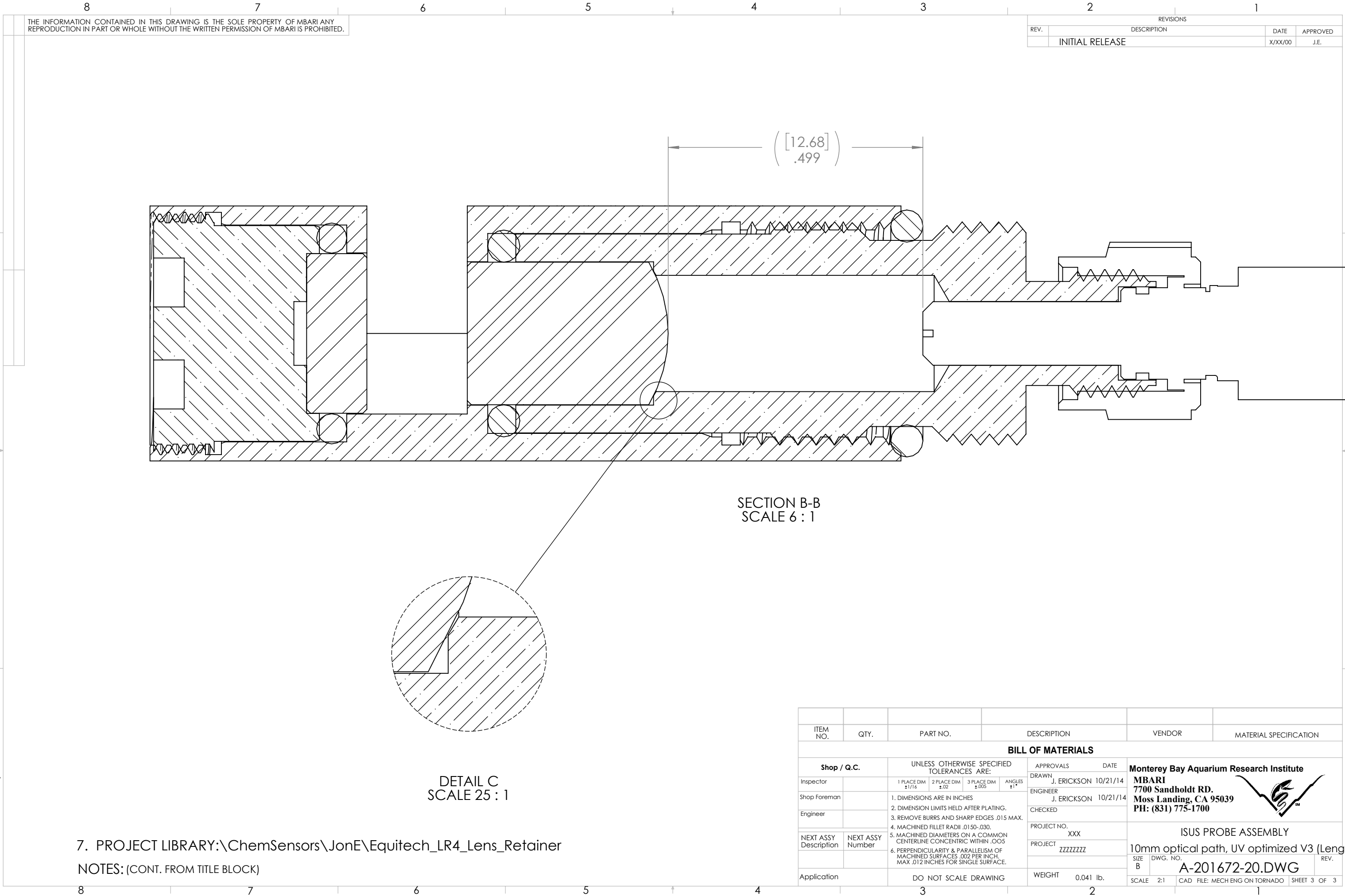
DWG. NO. A-201672-20.DWG

REV. A

SCALE 2:1

CAD FILE: MECH ENG ON TORNADO

SHEET 2 OF 3



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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
NOTES: (CONT. FROM TITLE BLOCK)

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°	Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700 
Shop Foreman		1. DIMENSIONS ARE IN INCHES				
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING.				
		3. REMOVE BURRS AND SHARP EDGES .015 MAX.				
		4. MACHINED FILLET RADII .0150-.030.				
NEXT ASSY Description	NEXT ASSY Number	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.				
Application		DO NOT SCALE DRAWING		WEIGHT	0.041 lb.	
				ISUS PROBE ASSEMBLY		
				10mm optical path, UV optimized V3 (Lengthened)		
				SIZE B	DWG. NO. A-201672-20.DWG	
				SCALE 2:1	CAD FILE: MECH ENG ON TORNADO SHEET 3 OF 3	