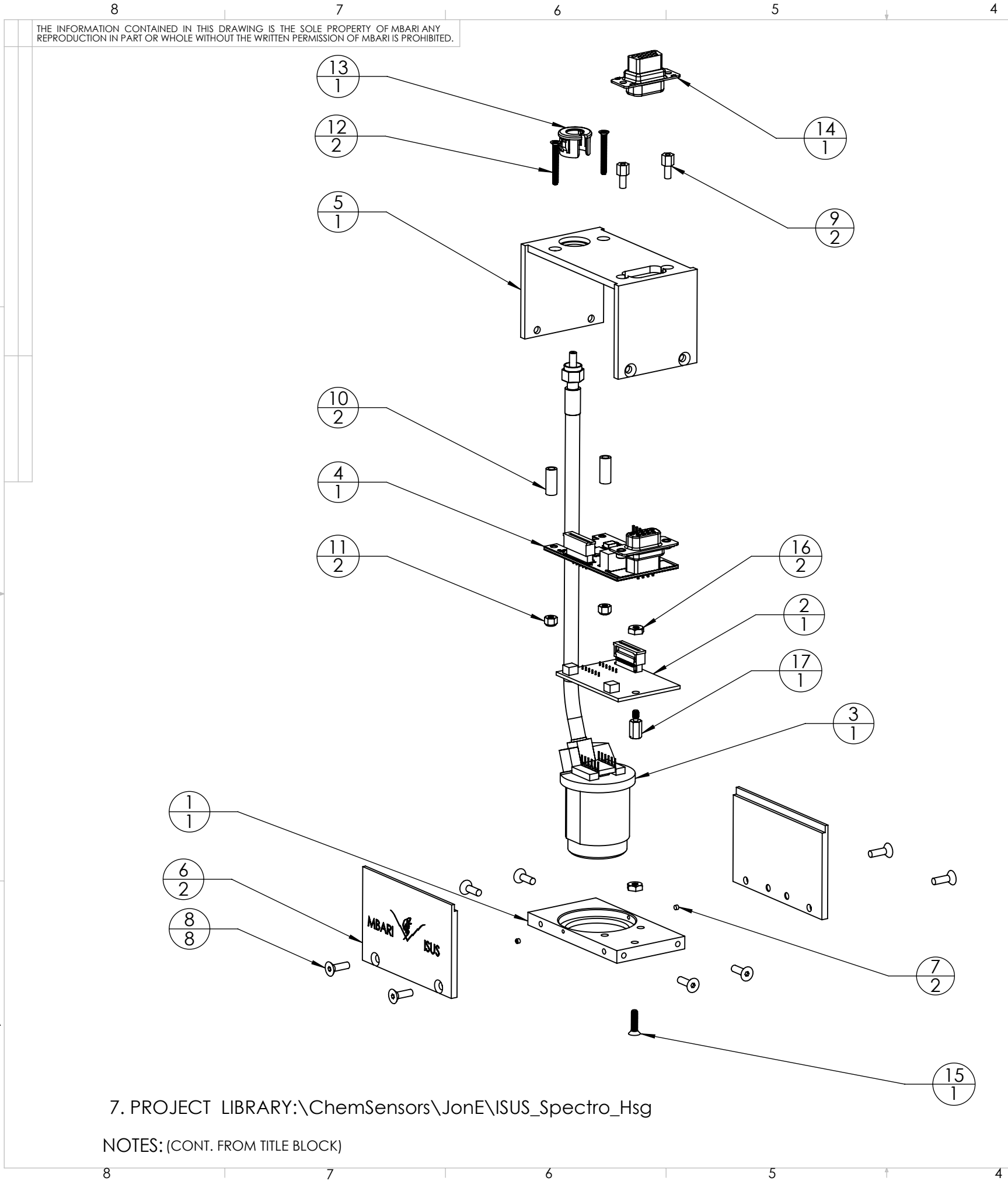




2

1

REVISIONS

INITIAL RELEASE

X/XX/01

J.E.

17	1	92745A466	4-40 x 5/16 M-F Thrd Hex Standoff		McMaster-Carr Supply Company	Nylon 6/6 Plastic
16	2	90257A005	#4-40 Nut		McMaster-Carr	316 SS
15	1	91771A109	#4-40 x 7/16 18-8 S.S. Phill		McMaster-Carr Supply Company	18-8 Stainless Steel
14	1	205204-4	9 Pin Male Sub D Conn.			
13	1	PN8491	NYLON 6/6 Split BUSHING	A.01	Keystone	Nylon 6/6, BLACK UL 94V-2
12	2	92010A026	Flt Hd Phill M2.5 x 20		McMaster-Carr	
11	2	93625A102	M2.5 Nylok Nut	A.01	McMaster-Carr	AISI 304
10	2	R30-6701294	#4 x 12mm Nylon Spacer	A.01	HARWIN	6/6 Nylon
9	2	#7228	#4-40 Standard Jack Screw	A.01	Keystone	Steel
8	8	92125A128	FLT HD SOC SCREW M3x8	A.01	McMASTER-CARR	
7	2	M2x0.4 x 2mm	Hex Sckt Cone Pt. Set Screw			
6	2	P-200780-09	ISUS Spectrometer Side Plate	B	MBARI	Aluminum 6061-T6
5	1	P-200778-21	ISUS Spectrometer Case Conn End V5		MBARI	6063-T52
4	1	100221815rA_042523-1025	Zeiss MMS Digital Board		MBARI	
3	1	2081-872	2081-872 Zeiss MMS UV Spectrometer		Zeiss	
2	1	A-221xxx-23	Zeiss MMS Analog Board Assembly Rev.B	B	MBARI	
1	1	P-200779-22	ISUS Spectrometer Base_MBARI		MBARI	Aluminum 6061-T6
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 04/11/23

ENGINEER J. ERICKSON 04/11/23

CHECKED

PROJECT NO. 900917

PROJECT CHEMICAL SENSORS

WEIGHT

Monterey Bay Aquarium Research Institute

MBARI

7700 Sandholdt RD.

Moss Landing, CA 95039

PH: (831) 775-1700

ISUS - APEX FLOAT

ISUS Spectrometer Assem. V9

SIZE B

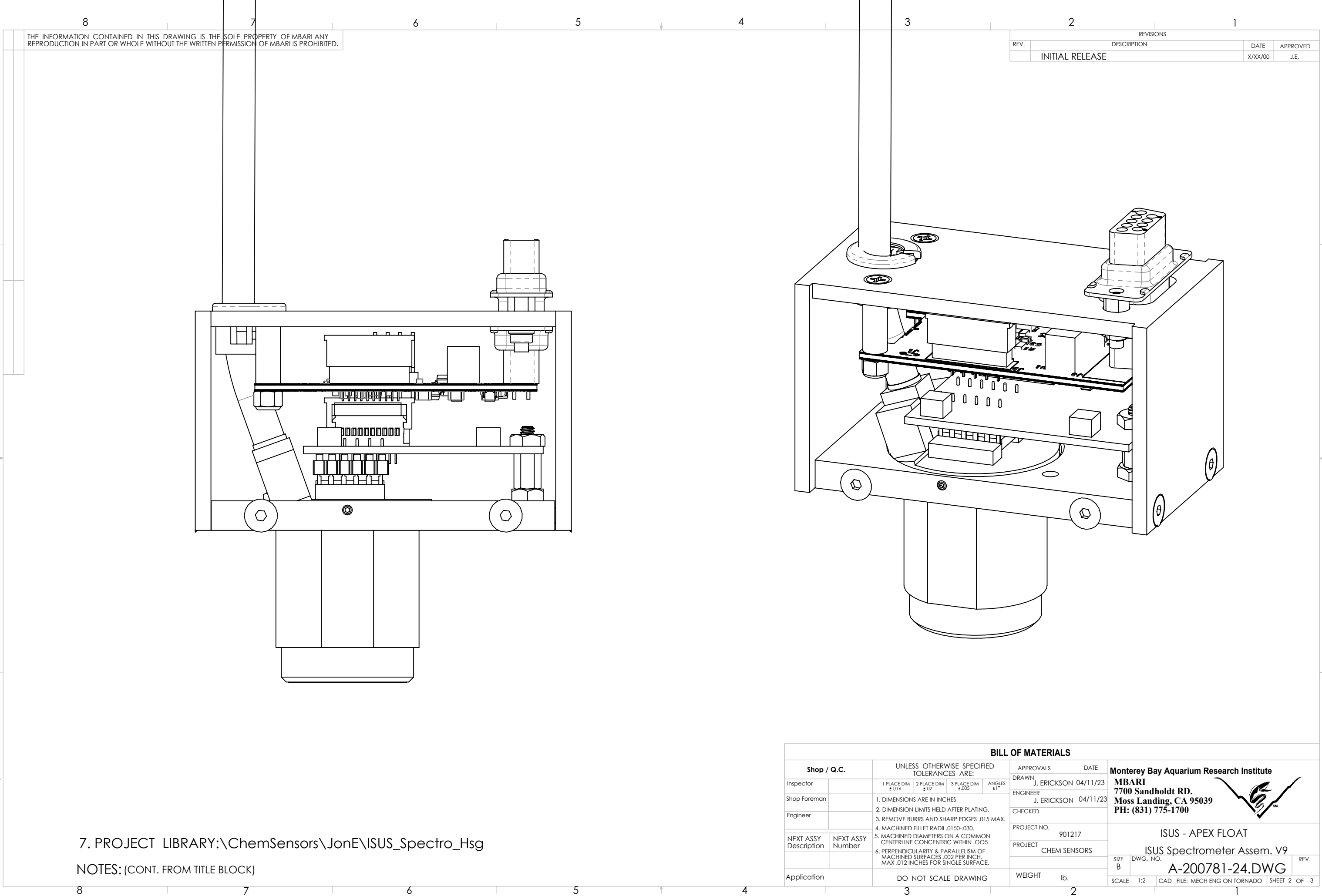
DWG. NO. A-200781-24.DWG

SCALE 1:1

CAD FILE: MECH ENG ON TORNADO

SHEET 1 OF 3

REV.



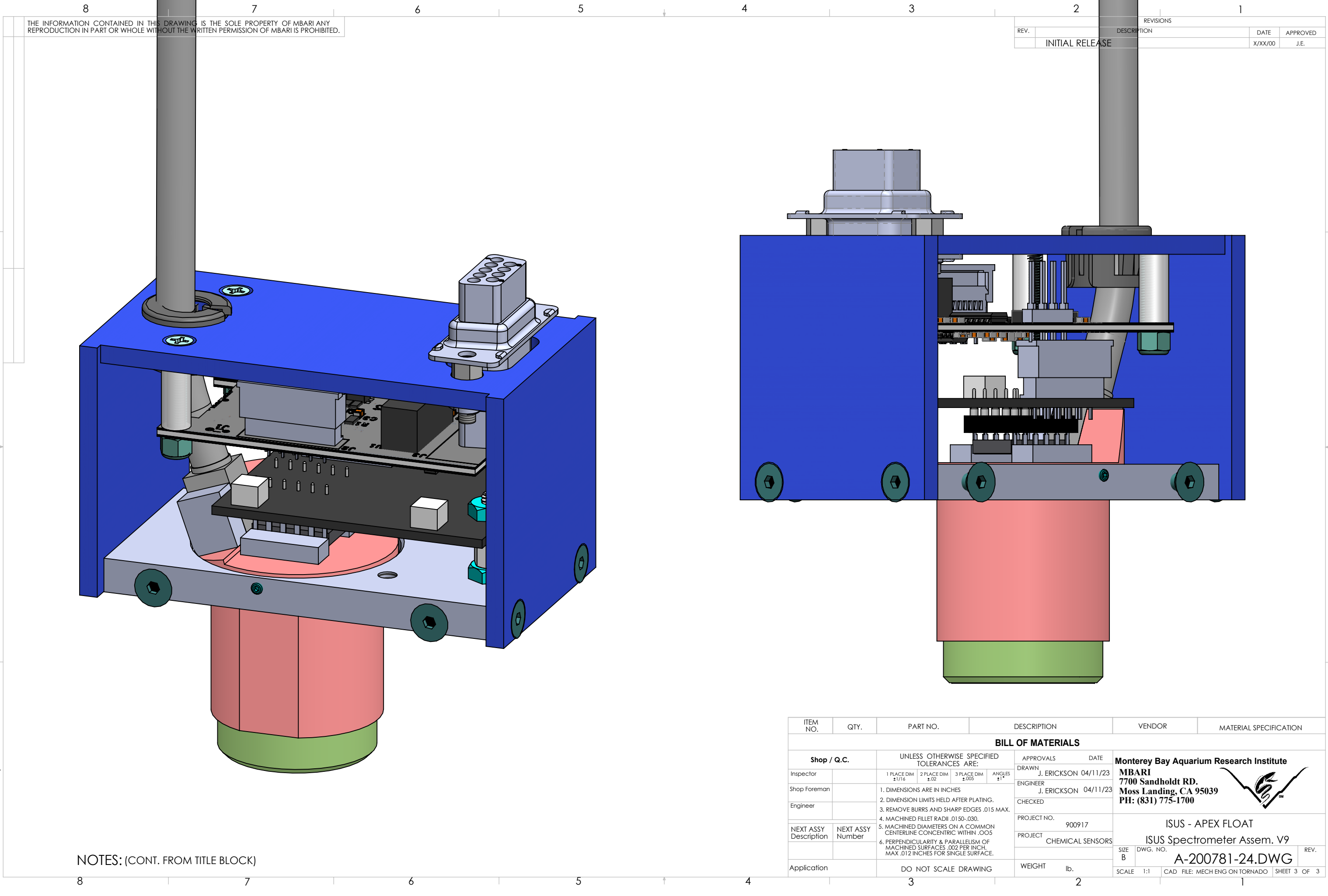
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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE	X/XX/00	J.E.

7. PROJECT LIBRARY:\ChemSensors\JonE\ISUS_Spectro_Hsg

NOTES: (CONT. FROM TITLE BLOCK)

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 - APEX FLOAT ISUS Spectrometer Assem. V9 A-200781-24.DWG	
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN J. ERICKSON	04/11/23		
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	04/11/23		
Engineer						CHECKED			
NEXT ASSY Description	NEXT ASSY Number					PROJECT NO. 901217			
						PROJECT CHEM SENSORS			
Application		DO NOT SCALE DRAWING				WEIGHT lb.		SIZE B	DWG. NO. A-200781-24.DWG
								SCALE 1:2	REV.
								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.

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	DRAWN J. ERICKSON	04/11/23
Shop Foreman		3 PLACE DIM ±.005	ANGLES ±1°	ENGINEER J. ERICKSON	04/11/23
Engineer		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.		CHECKED	
NEXT ASSY Description	NEXT ASSY Number			PROJECT NO.	900917
				PROJECT	CHEMICAL SENSORS
				WEIGHT	lb.
				SCALE	1:1
				CAD FILE:	MECH ENG ON TORNADO
				SHEET	3 OF 3

Monterey Bay Aquarium Research Institute
MBARI
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Moss Landing, CA 95039
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ISUS - APEX FLOAT
ISUS Spectrometer Assem. V9
A-200781-24.DWG