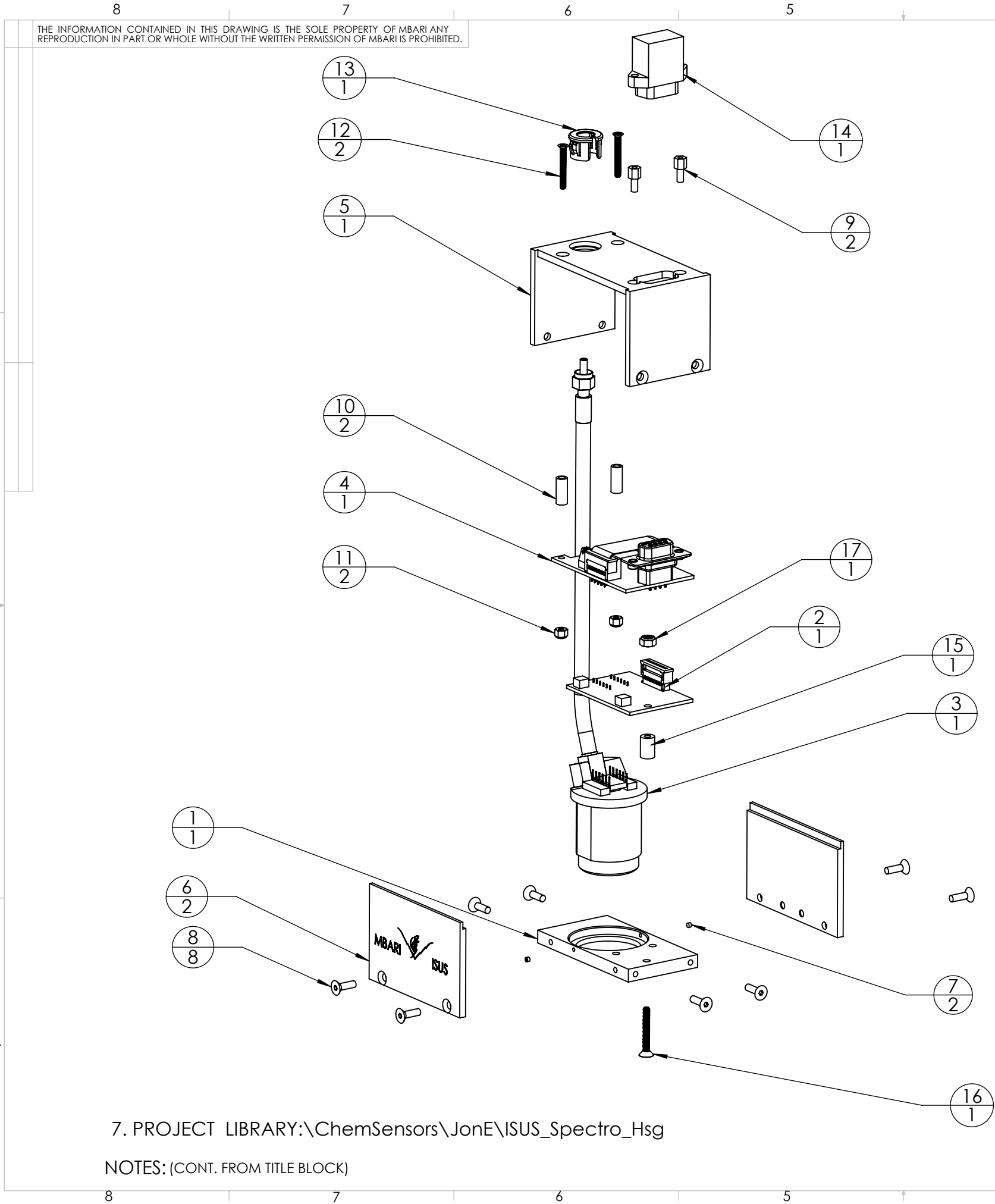




2

1

REVISIONS

INITIAL RELEASE

X/XX/01

J.E.

17	1	90717A005	#4-40 316 S.S. Nylon-Insert Locknut		McMaster-Carr Supply Company	316 Stainless Steel
16	1	90585A126	#4-40 x 7/8 316 S.S.		McMaster-Carr Supply Company	AISI 316
15	1	94639A202	No.4_1/4O.D. x 3/8 LongNylon Unthreaded Spacer		McMaster-Carr Supply Company	Nylon 6/10
14	1		9 Pin Male Sub D Conn. (Mating Conn)	A.01		
13	1	PN8491	NYLON 6/6 Split BUSHING	A.01	Keystone	Nylon 6/6, BLACK UL 94V-2
12	2	92010A026	Fit Hd Phill M2.5 x 20		McMaster-Carr	
11	2	93625A102	M2.5 Nyllok 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 V4		MBARI	6063-T52
4	1		Zeiss Digital A-D Board Assembly V4	A.01	SpectronicDevices.com	
3	1	20200713-MMS.UV-2385-760	Zeiss Spectrometer		Zeiss	
2	1	xxxxxxx	Spectrometer Board Assembly Rev.A	A		
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

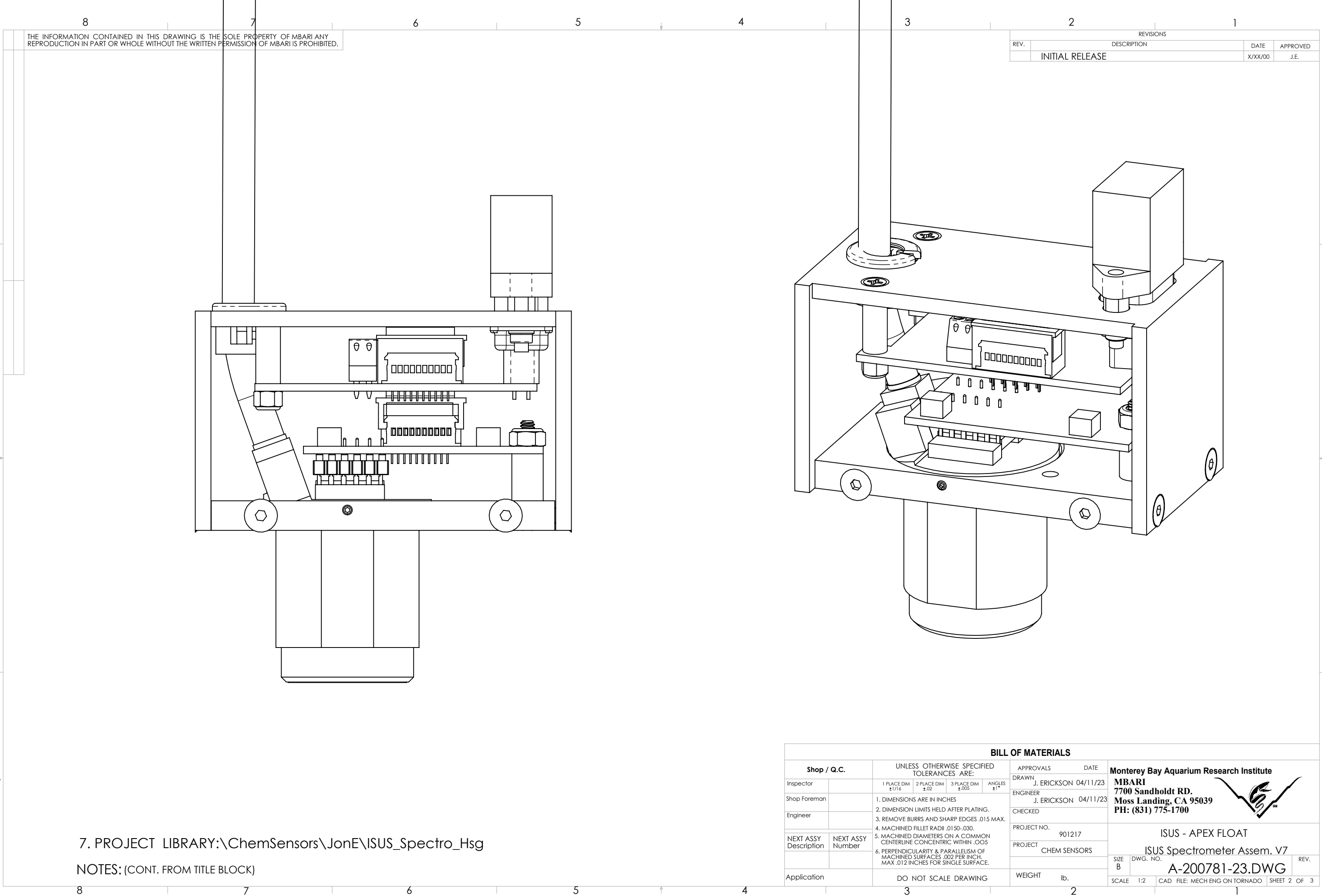
ISUS Spectrometer Assem. V7

A-200781-23.DWG

SCALE 1:1

CAD FILE: MECH ENG ON TORNADO

SHEET 1 OF 3



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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	
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.		REV.
						SCALE 1:2	CAD FILE: MECH ENG ON TORNADO	SHEET 2 OF 3	

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7700 Sandholdt RD.

Moss Landing, CA 95039

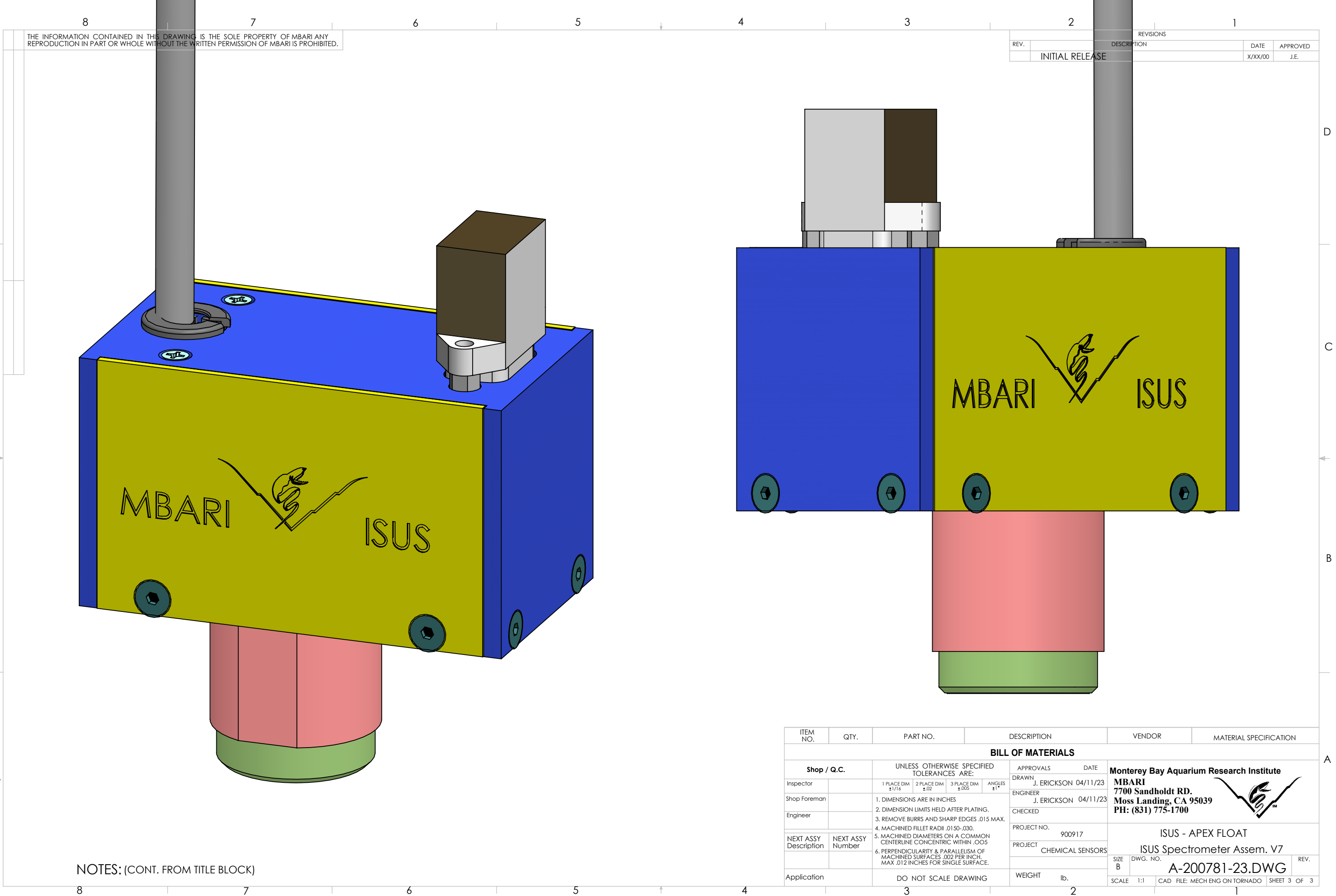
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ISUS Spectrometer Assem. V7

A-200781-23.DWG



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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 $\pm 1/16$	2 PLACE DIM $\pm .02$	3 PLACE DIM $\pm .005$	ANGLES $\pm 1^\circ$
Shop Foreman		1. DIMENSIONS ARE IN INCHES		DRAWN J. ERICKSON 04/11/23	
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING.		ENGINEER J. ERICKSON 04/11/23	
NEXT ASSY Description		3. REMOVE BURRS AND SHARP EDGES .015 MAX.		CHECKED	
NEXT ASSY Number		4. MACHINED FILLET RADII .0150-.030.		PROJECT NO. 900917	
Application		5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005		PROJECT CHEMICAL SENSORS	
		6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.		WEIGHT lb.	
		DO NOT SCALE DRAWING		SIZE B DWG. NO. A-200781-23.DWG	
				SCALE 1:1 CAD FILE: MECH ENG ON TORNADO SHEET 3 OF 3	

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