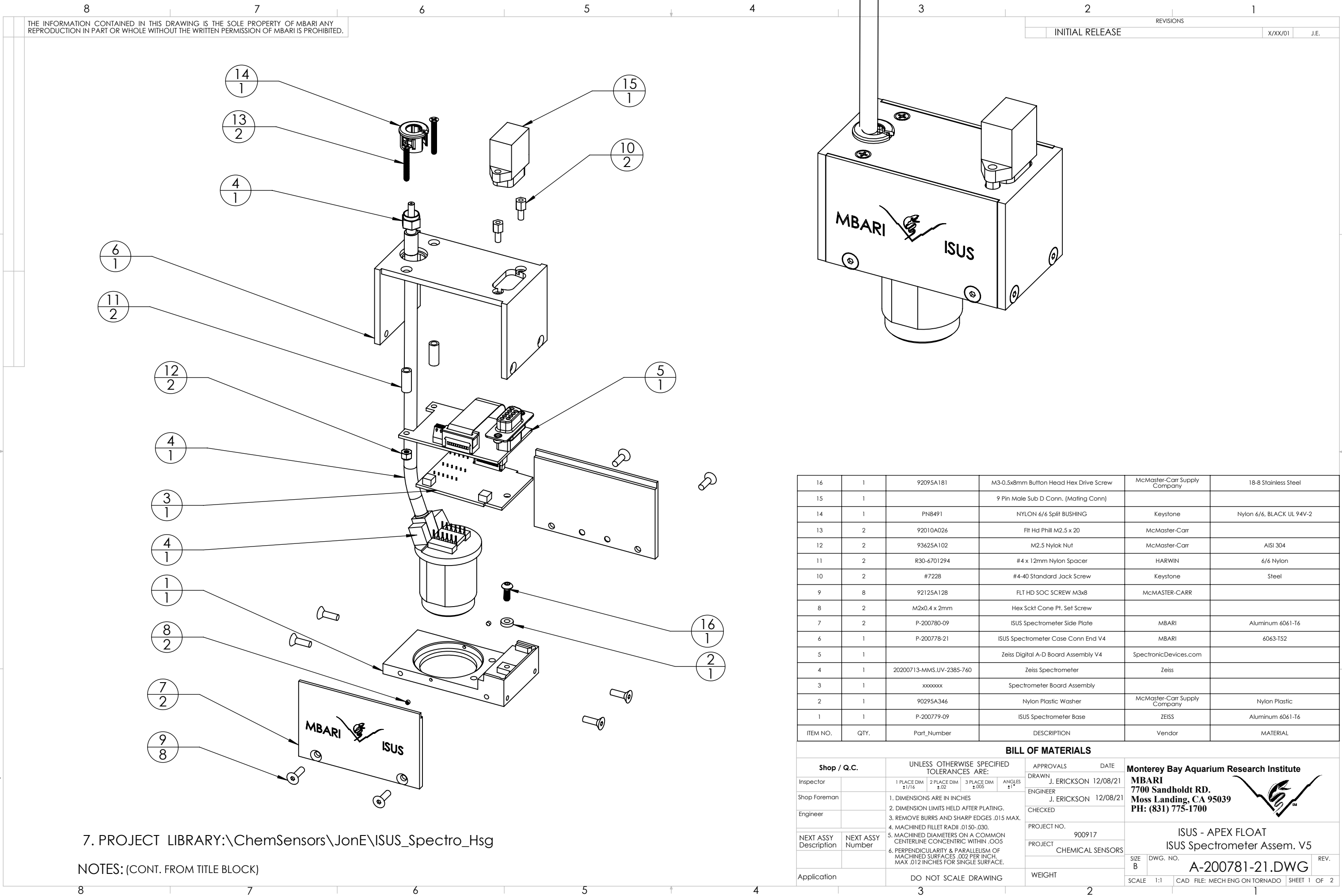




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REVISIONS		
INITIAL RELEASE	X/XX/01	J.E.

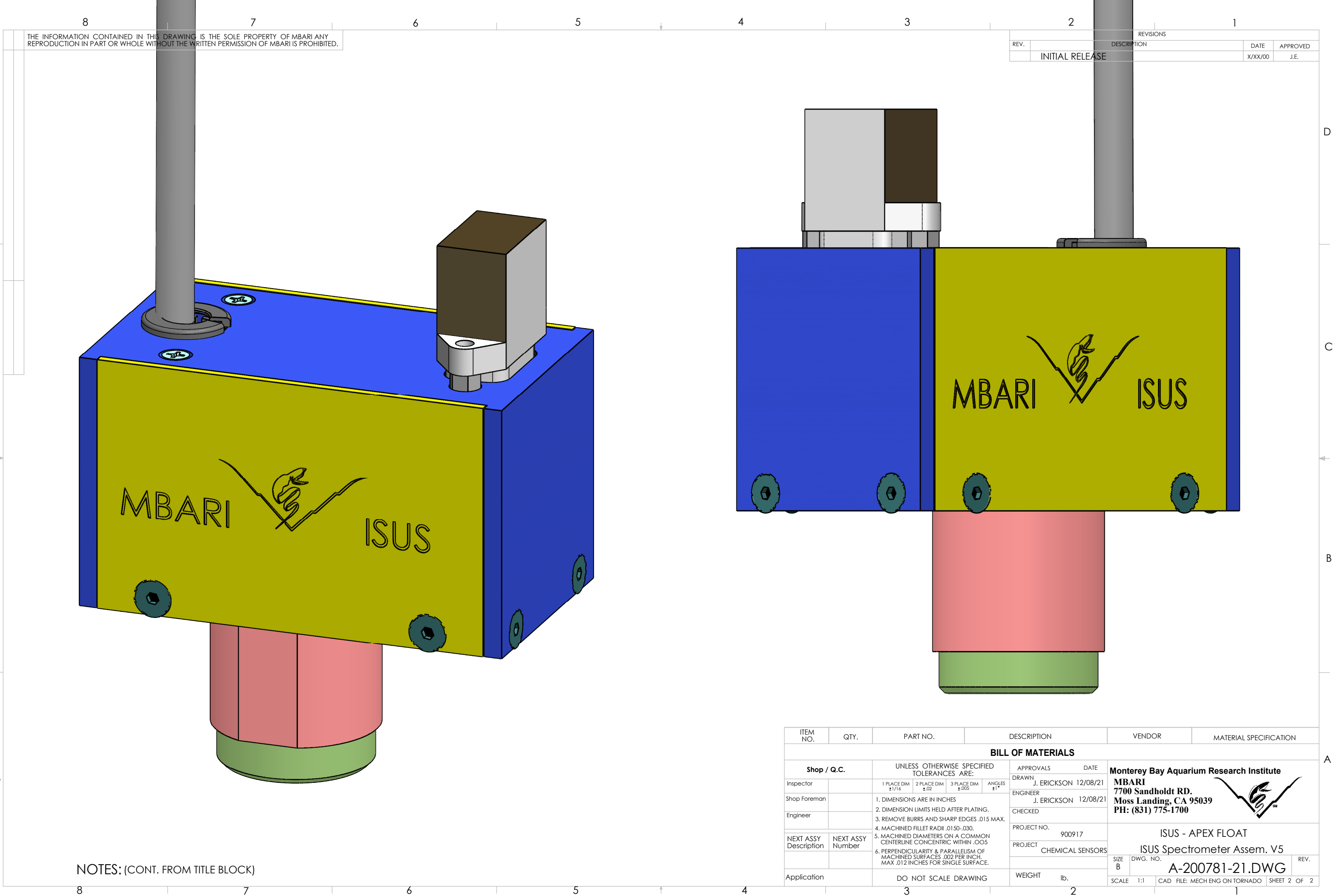
16	1	92095A181	M3-0.5x8mm Button Head Hex Drive Screw	McMaster-Carr Supply Company	18-8 Stainless Steel
15	1		9 Pin Male Sub D Conn. (Mating Conn)		
14	1	PN8491	NYLON 6/6 Split BUSHING	Keystone	Nylon 6/6, BLACK UL 94V-2
13	2	92010A026	Fit Hd Phill M2.5 x 20	McMaster-Carr	
12	2	93625A102	M2.5 Nylok Nut	McMaster-Carr	AISI 304
11	2	R30-6701294	#4 x 12mm Nylon Spacer	HARWIN	6/6 Nylon
10	2	#7228	#4-40 Standard Jack Screw	Keystone	Steel
9	8	92125A128	FLT HD SOC SCREW M3x8	McMASTER-CARR	
8	2	M2x0.4 x 2mm	Hex Sckt Cone Pt. Set Screw		
7	2	P-200780-09	ISUS Spectrometer Side Plate	MBARI	Aluminum 6061-T6
6	1	P-200778-21	ISUS Spectrometer Case Conn End V4	MBARI	6063-T52
5	1		Zeiss Digital A-D Board Assembly V4	SpectronicDevices.com	
4	1	20200713-MMS.UV-2385-760	Zeiss Spectrometer	Zeiss	
3	1	xxxxxxx	Spectrometer Board Assembly		
2	1	90295A346	Nylon Plastic Washer	McMaster-Carr Supply Company	Nylon Plastic
1	1	P-200779-09	ISUS Spectrometer Base	ZEISS	Aluminum 6061-T6
ITEM NO.	QTY.	Part_Number	DESCRIPTION	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 - APEX FLOAT ISUS Spectrometer Assem. V5 SIZE B DWG. NO. A-200781-21.DWG				
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN	J. ERICKSON	12/08/21					
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	12/08/21					
Engineer						CHECKED							
NEXT ASSY Description	NEXT ASSY Number					PROJECT NO.	900917						
						PROJECT	CHEMICAL SENSORS						
Application		DO NOT SCALE DRAWING				WEIGHT		SCALE 1:1 CAD FILE: MECH ENG ON TORNADO SHEET 1 OF 2					

7. PROJECT LIBRARY:\ChemSensors\JonE\ISUS_Spectro_Hsg

NOTES: (CONT. FROM TITLE BLOCK)



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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 12/08/21
Shop Foreman		1. DIMENSIONS ARE IN INCHES	3 PLACE DIM ±.005	ENGINEER	J. ERICKSON 12/08/21
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING.	ANGLES ±1°	CHECKED	
NEXT ASSY Description	NEXT ASSY Number	3. REMOVE BURRS AND SHARP EDGES .015 MAX.		PROJECT NO.	900917
		4. MACHINED FILLET RADII .0150-.030.		PROJECT	CHEMICAL SENSORS
		5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005		WEIGHT	lb.
		6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.			
Application		DO NOT SCALE DRAWING			
Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700				ISUS - APEX FLOAT ISUS Spectrometer Assem. V5 A-200781-21.DWG	
SIZE B		DWG. NO.		REV.	
SCALE 1:1		CAD FILE: MECH ENG ON TORNADO		SHEET 2 OF 2	