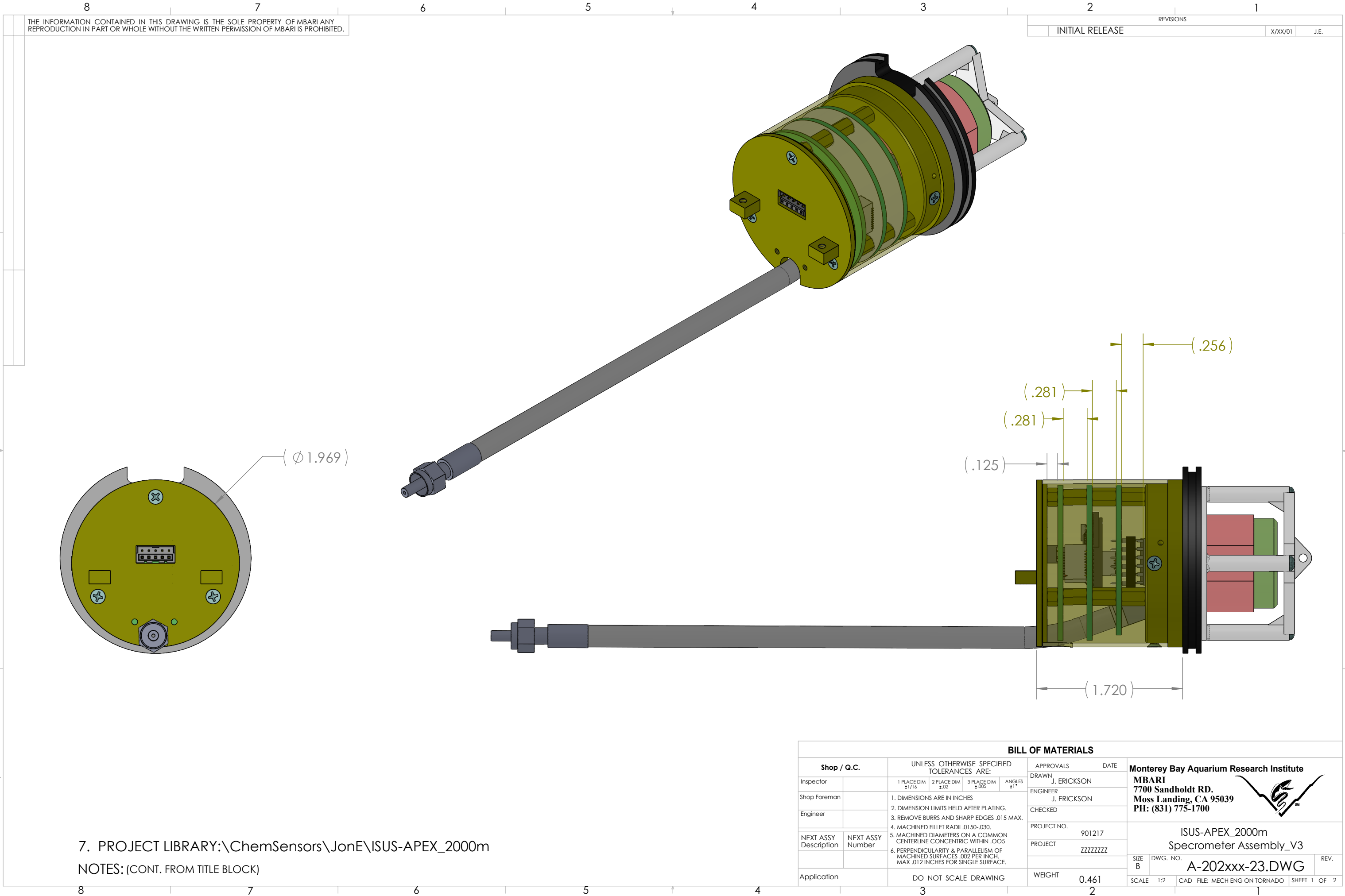
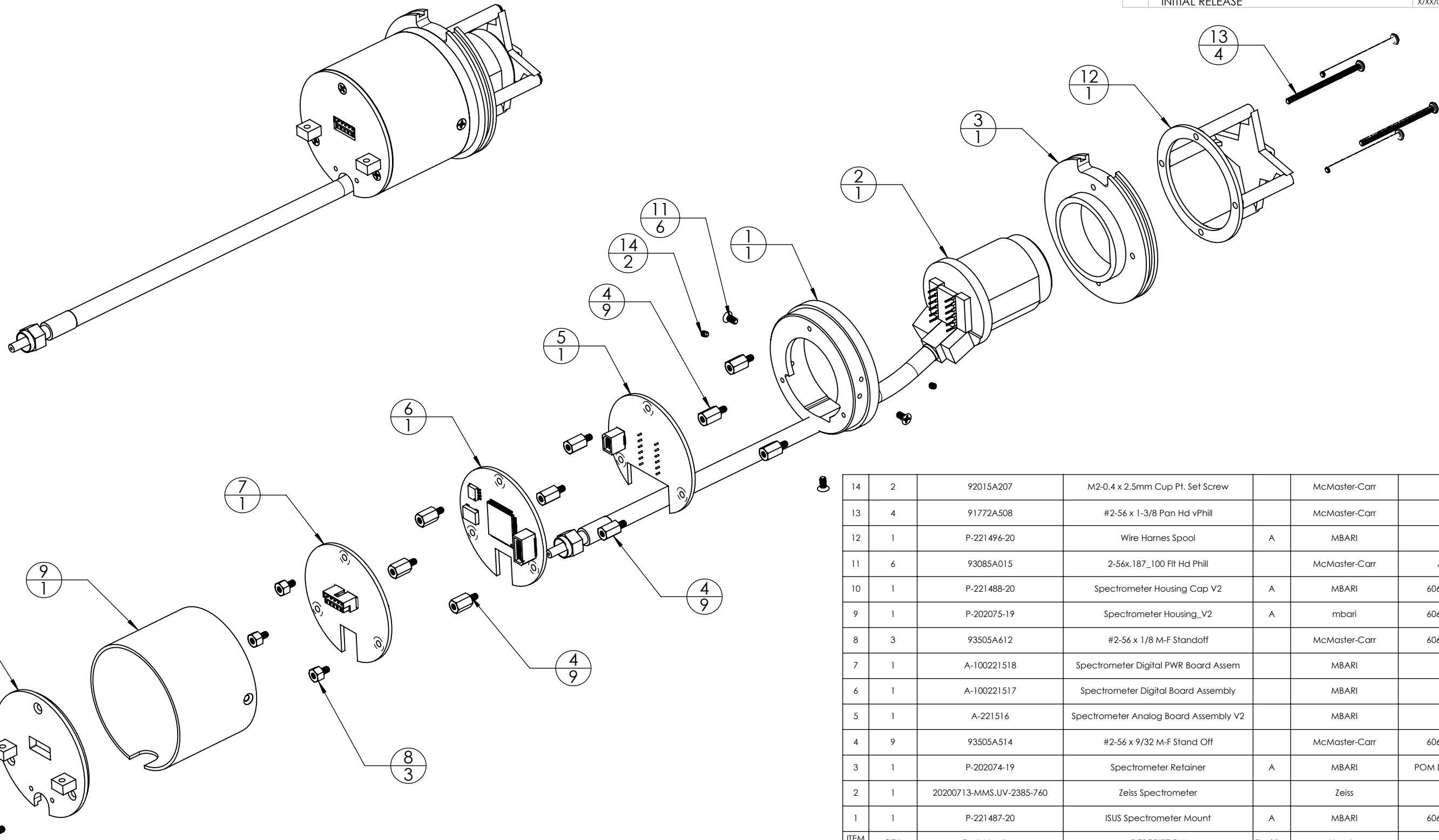




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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE	X/XX/00	J.E.



14	2	92015A207	M2-0.4 x 2.5mm Cup Pt. Set Screw		McMaster-Carr	
13	4	91772A508	#2-56 x 1-3/8 Pan Hd vPhill		McMaster-Carr	
12	1	P-221496-20	Wire Harness Spool	A	MBARI	ABS
11	6	93085A015	2-56x.187_100 Flt Hd Phill		McMaster-Carr	AISI 304
10	1	P-221488-20	Spectrometer Housing Cap V2	A	MBARI	6061-T6 Alloy
9	1	P-202075-19	Spectrometer Housing_V2	A	mbari	6061-T6 Alloy
8	3	93505A612	#2-56 x 1/8 M-F Standoff		McMaster-Carr	6061-T6 Alloy
7	1	A-100221518	Spectrometer Digital PWR Board Assem		MBARI	
6	1	A-100221517	Spectrometer Digital Board Assembly		MBARI	
5	1	A-221516	Spectrometer Analog Board Assembly V2		MBARI	
4	9	93505A514	#2-56 x 9/32 M-F Stand Off		McMaster-Carr	6061-T6 Alloy
3	1	P-202074-19	Spectrometer Retainer	A	MBARI	POM Delrin (Black)
2	1	20200713-MMS.UV-2385-760	Zeiss Spectrometer		Zeiss	
1	1	P-221487-20	ISUS Spectrometer Mount	A	MBARI	6061-T6 Alloy
ITEM NO.	QTY.	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-APEX_2000m Spectrometer Assembly_V3			
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN	J. ERICKSON					
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					
Engineer						CHECKED						
NEXT ASSY Description	NEXT ASSY Number					PROJECT NO.	901217		SIZE B		DWG. NO. A-202xxx-23.DWG	REV.
INTERNALS_V3						PROJECT	CHEM S.					
Application		DO NOT SCALE DRAWING				WEIGHT	0.461 lb.		SCALE	1:4	CAD FILE: MECH ENG ON TORNADO	SHEET 2 OF 2

7. PROJECT LIBRARY:\ChemSensors\JonE\ISUS-APEX_2000m

NOTES: (CONT. FROM TITLE BLOCK)