

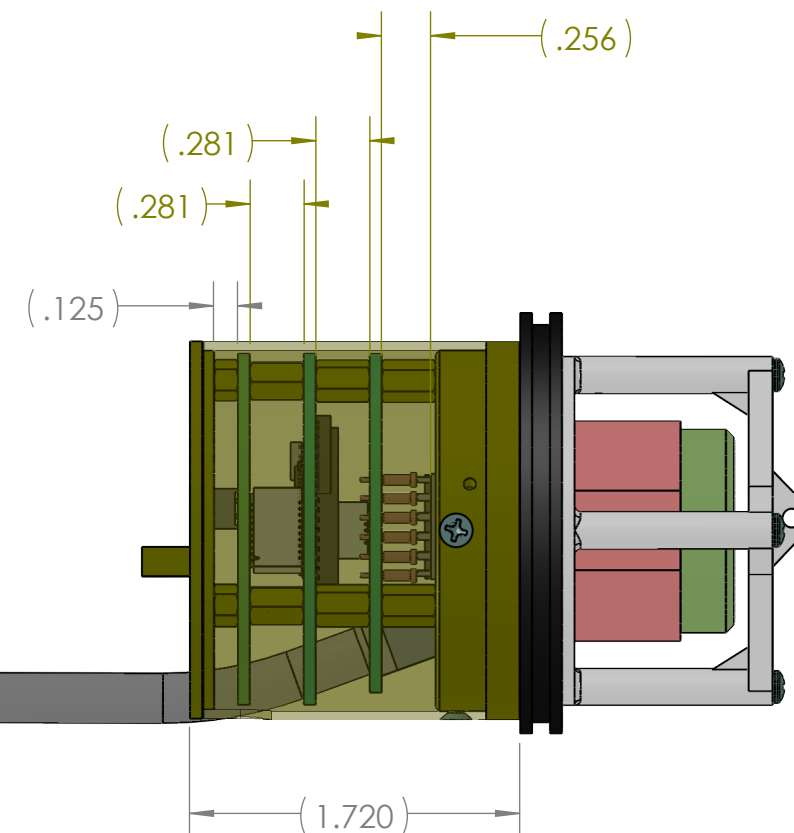
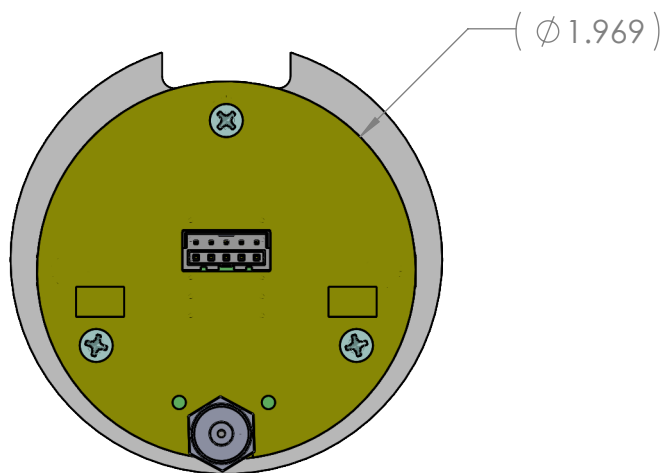
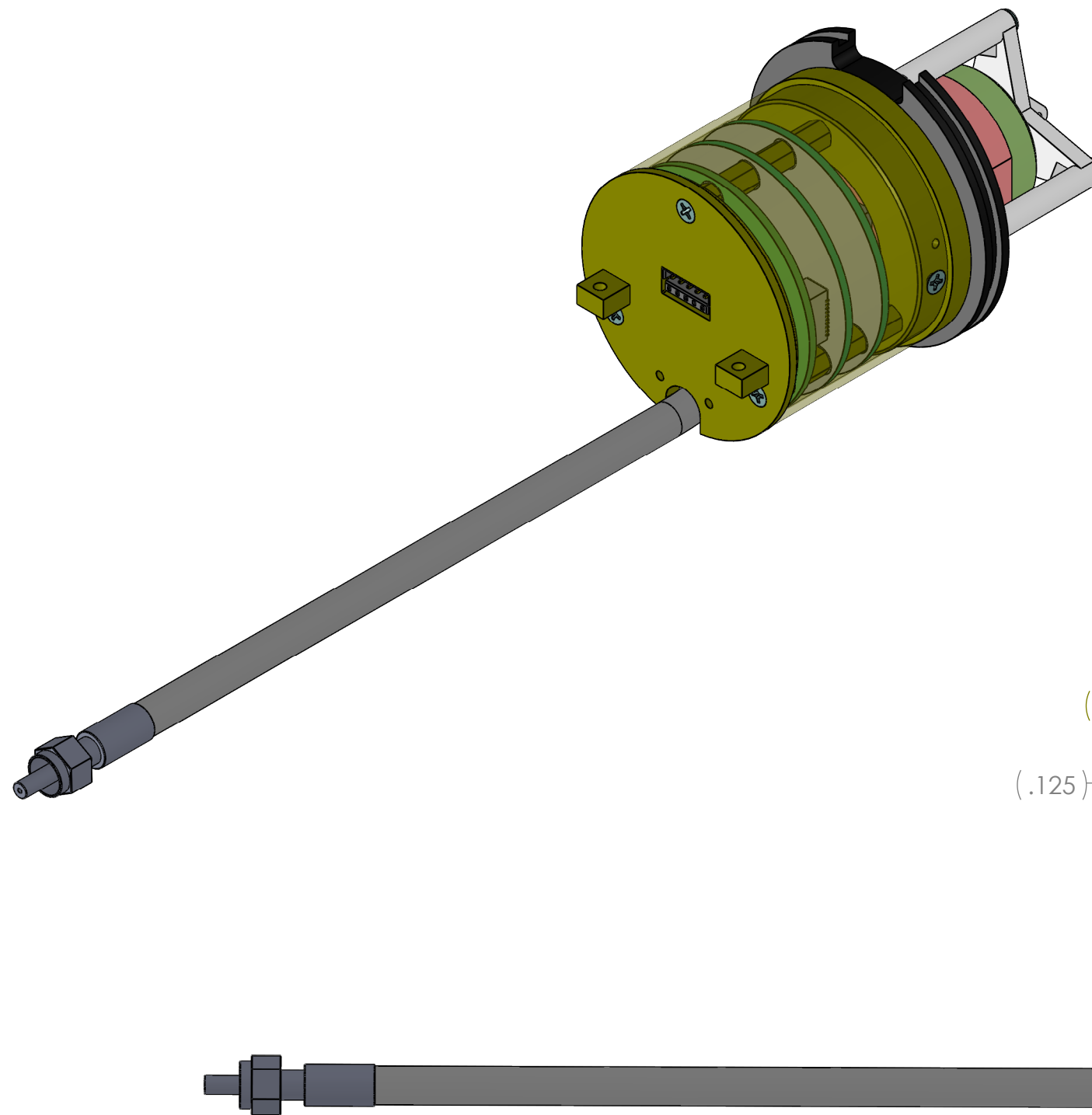
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REVISIONS

INITIAL RELEASE

	X/XX/01
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J.E.

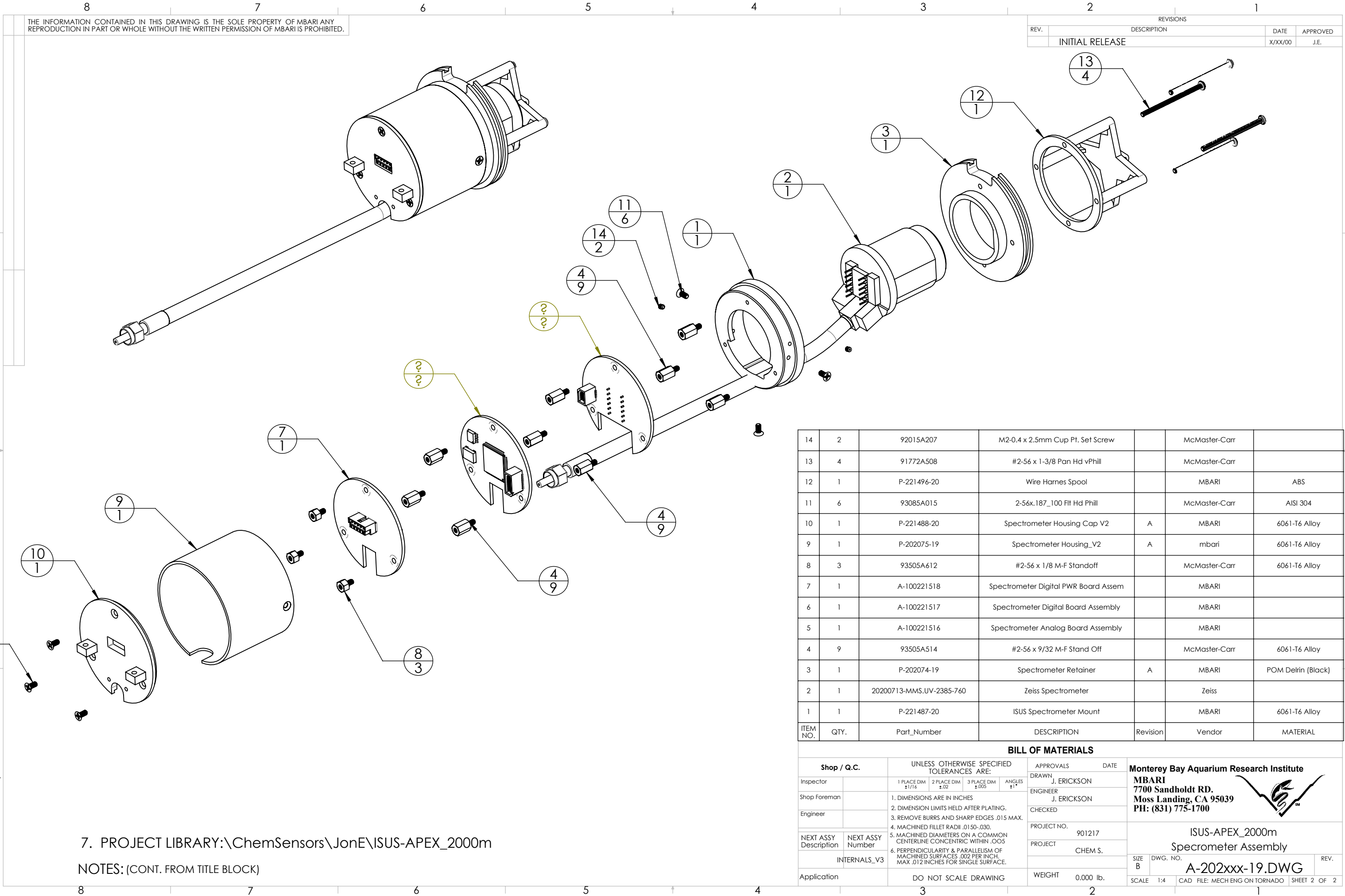


BILL OF MATERIALS

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			
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			
		PROJECT		ZZZZZZZZ		 Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700 ISUS-APEX_2000m Spectrometer Assembly					
Application		DO NOT SCALE DRAWING		WEIGHT						0.000	
		3		2						1	
						SIZE B		DWG. NO.		REV.	
						A-202xxx-19.DWG					
						SCALE 1:2		CAD FILE: MECH ENG ON TORNADO		SHEET 1 OF 2	

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

NOTES: (CONT. FROM TITLE BLOCK)



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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		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-100221516	Spectrometer Analog Board Assembly		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		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			
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.	REV.
INTERNALS_V3						PROJECT	CHEM S.		A-202xxx-19.DWG			
Application		DO NOT SCALE DRAWING				WEIGHT	0.000 lb.		SCALE	1:4	CAD FILE: MECH ENG ON TORNADO	SHEET 2 OF 2

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