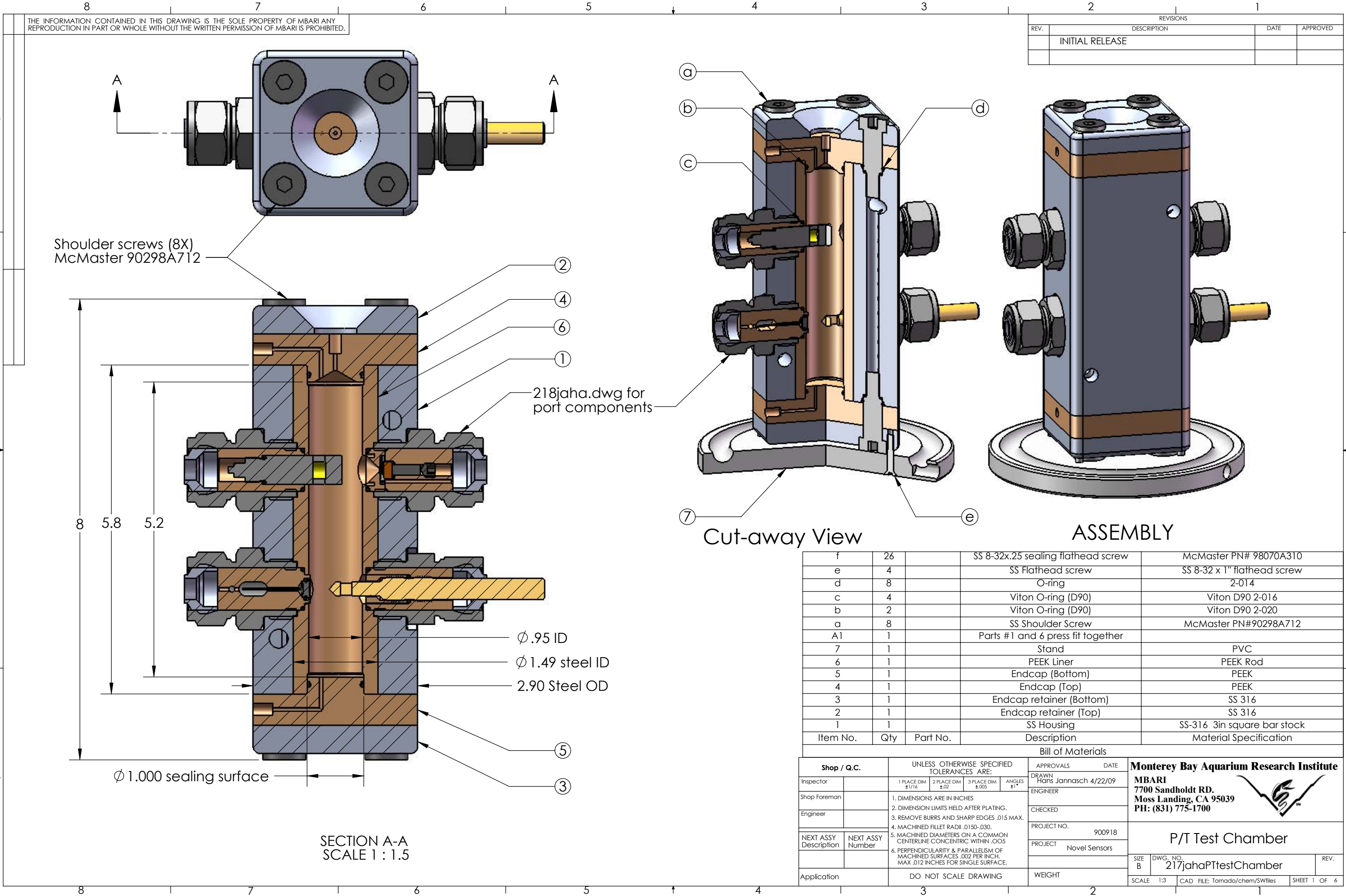




REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE		

f	26	SS 8-32x.25 sealing flathead screw	McMaster PN# 98070A310
e	4	SS Flathead screw	SS 8-32 x 1" flathead screw
d	8	O-ring	2-014
c	4	Viton O-ring (D90)	Viton D90 2-016
b	2	Viton O-ring (D90)	Viton D90 2-020
a	8	SS Shoulder Screw	McMaster PN#90298A712
A1	1	Parts #1 and 6 press fit together	
7	1	Stand	PVC
6	1	PEEK Liner	PEEK Rod
5	1	Endcap (Bottom)	PEEK
4	1	Endcap (Top)	PEEK
3	1	Endcap retainer (Bottom)	SS 316
2	1	Endcap retainer (Top)	SS 316
1	1	SS Housing	SS-316 3in square bar stock
Item No.	Qty	Part No.	Description
			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
Shop Foreman		3 PLACE DIM ±.005	ANGLES ±1°
Engineer		1. DIMENSIONS ARE IN INCHES	DRAWN Harn Jannasch 4/22/09
		2. DIMENSION LIMITS HELD AFTER PLATING.	ENGINEER
		3. REMOVE BURRS AND SHARP EDGES .015 MAX.	CHECKED
		4. MACHINED FILLET RADII .0150-.030.	PROJECT NO. 900918
NEXT ASSY Description	NEXT ASSY Number	5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005	PROJECT Novel Sensors
		6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.	
Application	DO NOT SCALE DRAWING	WEIGHT	
		SCALE 1:3	CAD FILE: Tornado/chem/SWfiles
		SHEET 1 OF 6	

Monterey Bay Aquarium Research Institute

MBARI

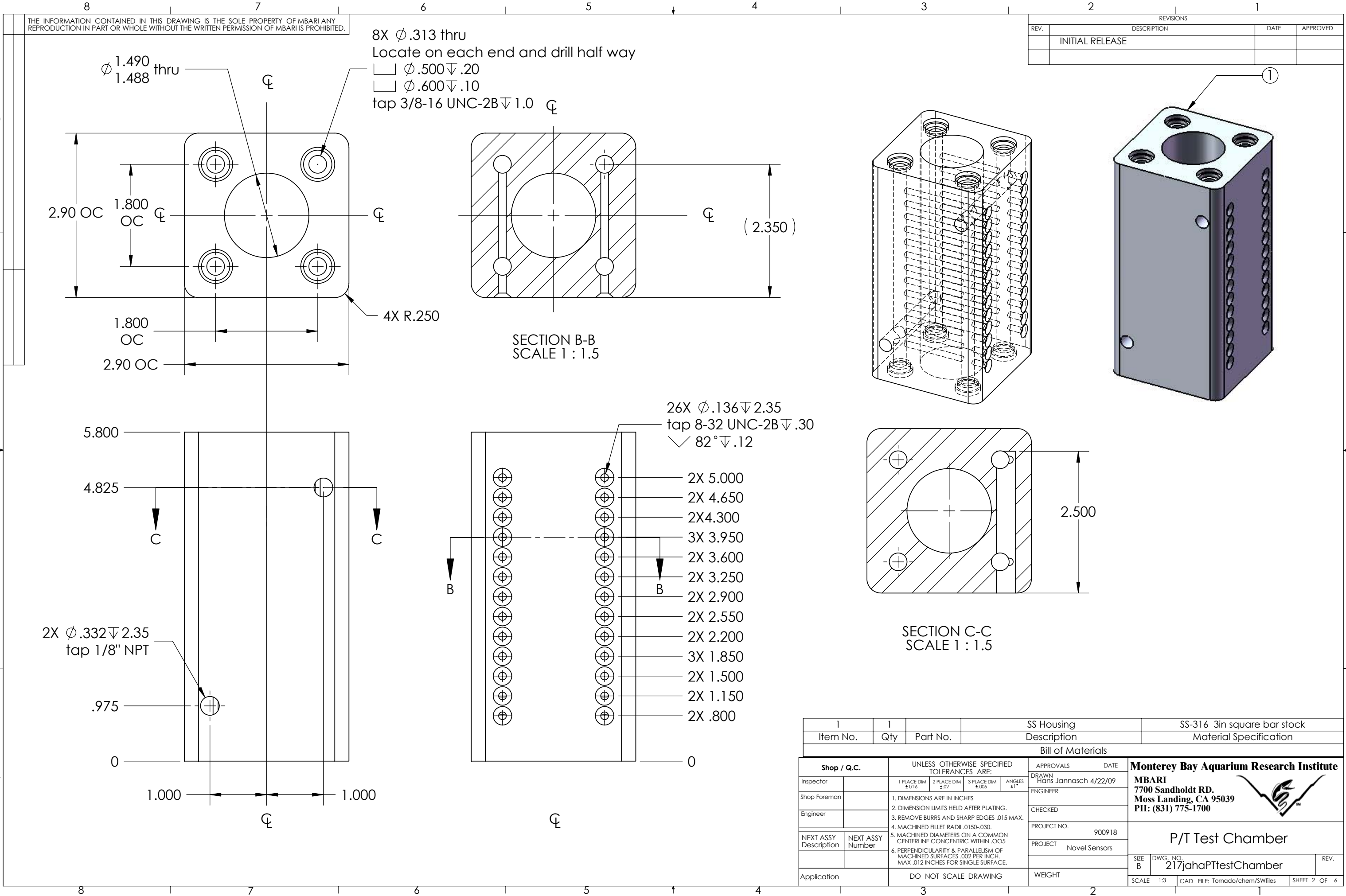
7700 Sandholdt RD.

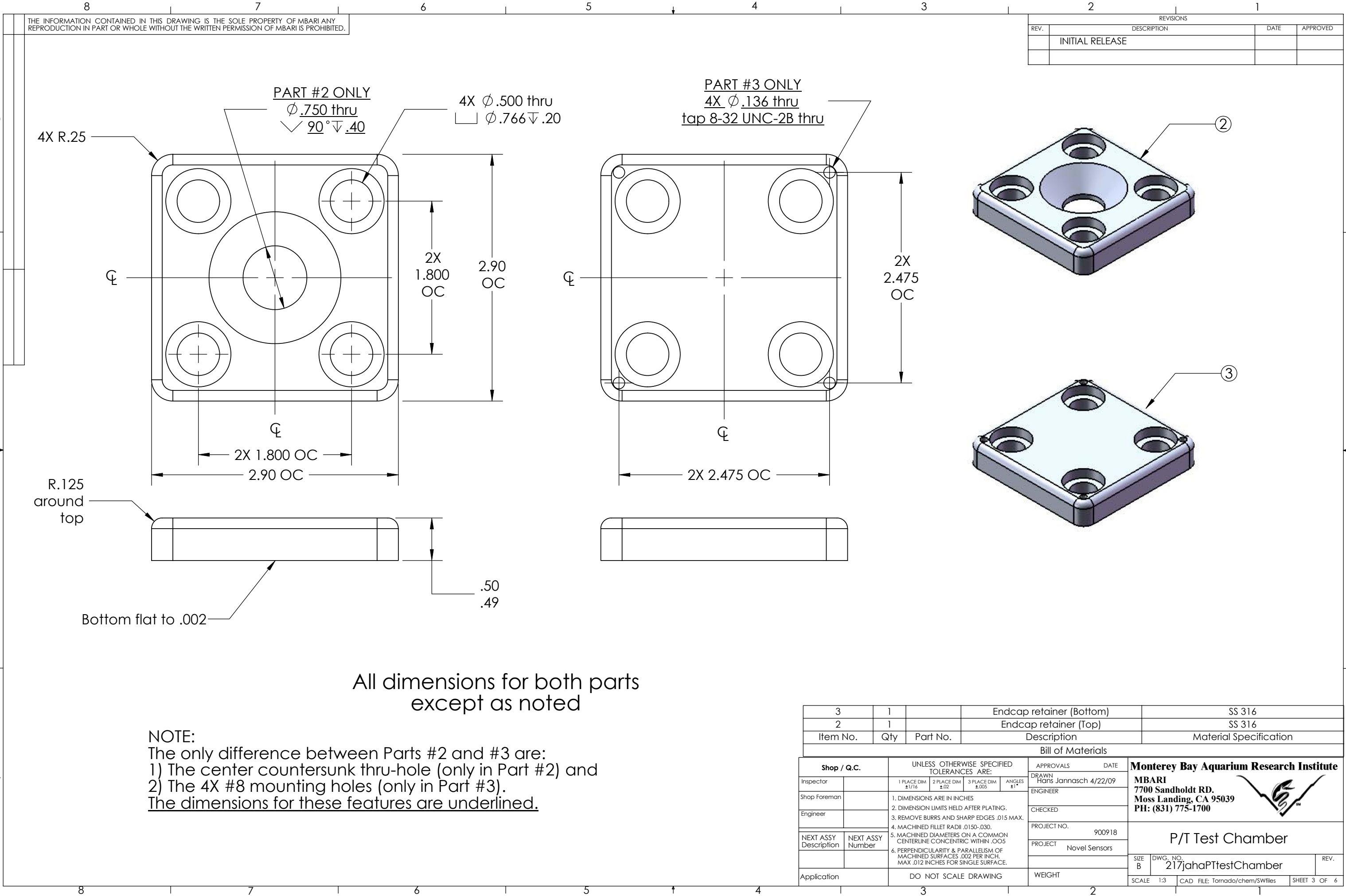
Moss Landing, CA 95039

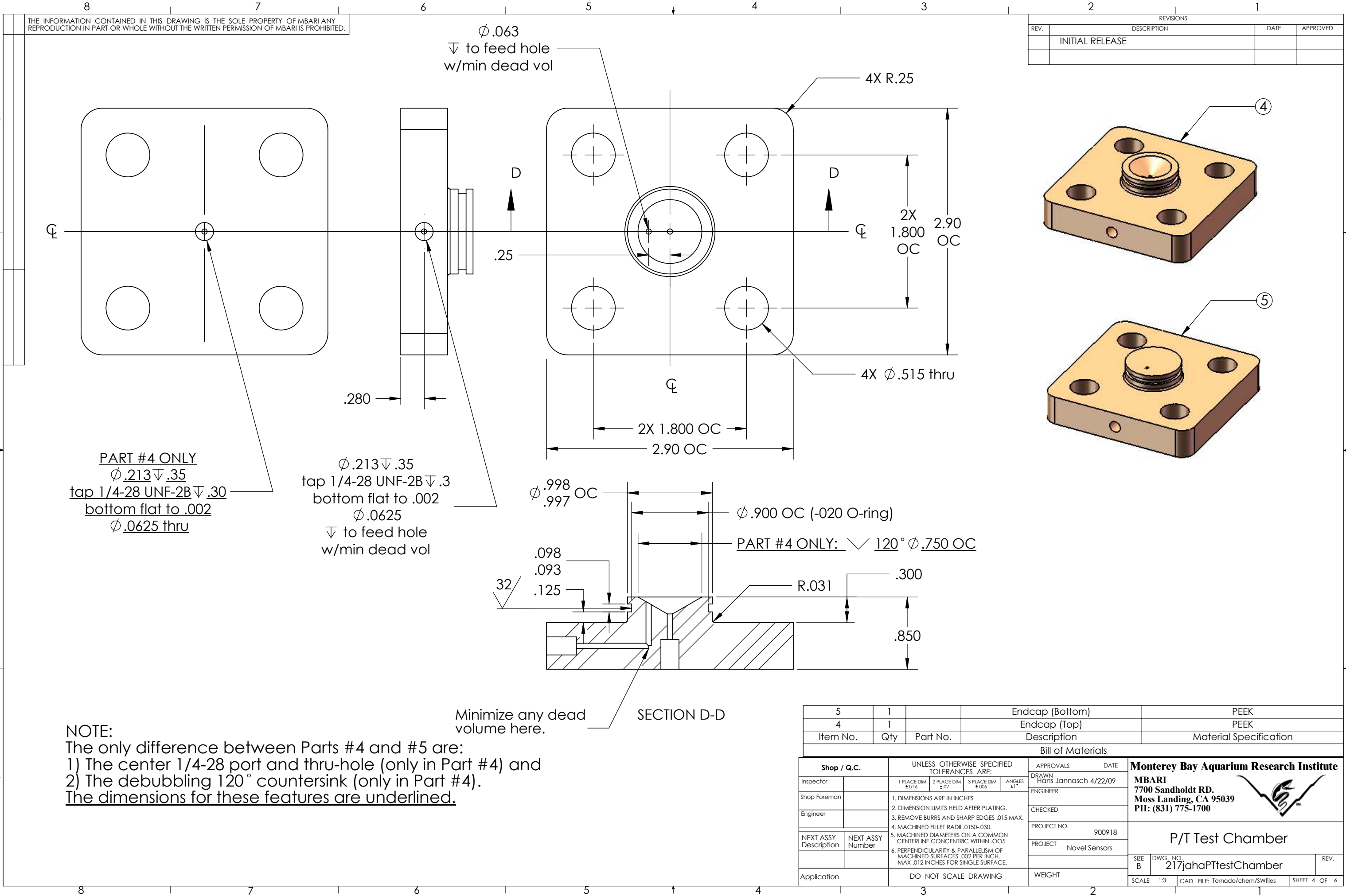
PH: (831) 775-1700

P/T Test Chamber

SIZE B	DWG. NO. 217jahaPTtestChamber	REV.
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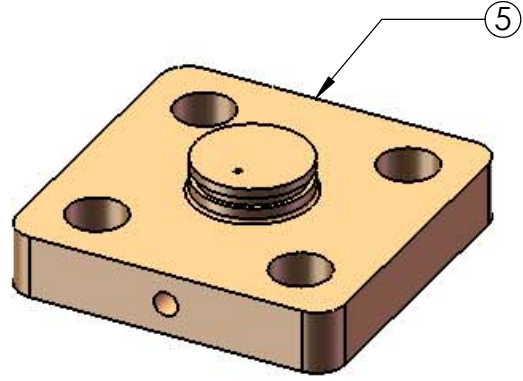
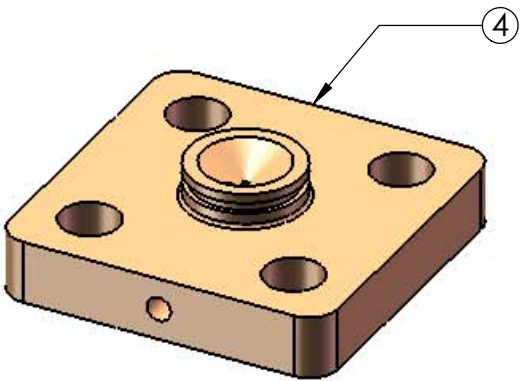






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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE		



PART #4 ONLY
Ø.213 ▽.35
tap 1/4-28 UNF-2B ▽.30
bottom flat to .002
Ø.0625 thru

Ø.213 ▽.35
tap 1/4-28 UNF-2B ▽.30
bottom flat to .002
Ø.0625
▽ to feed hole
w/min dead vol

Minimize any dead volume here.

SECTION D-D

NOTE:
The only difference between Parts #4 and #5 are:
1) The center 1/4-28 port and thru-hole (only in Part #4) and
2) The debubbling 120° countersink (only in Part #4).
The dimensions for these features are underlined.

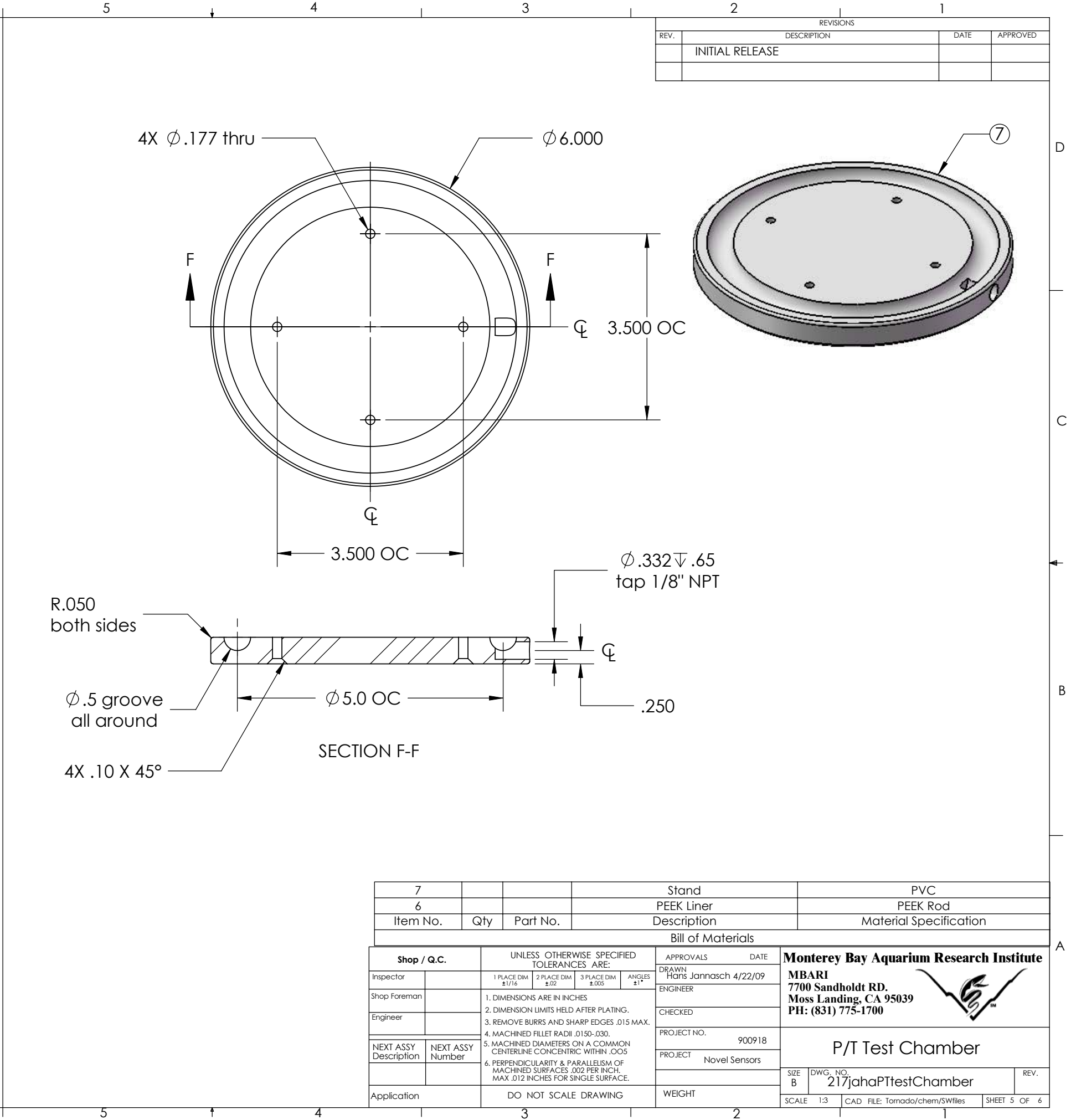
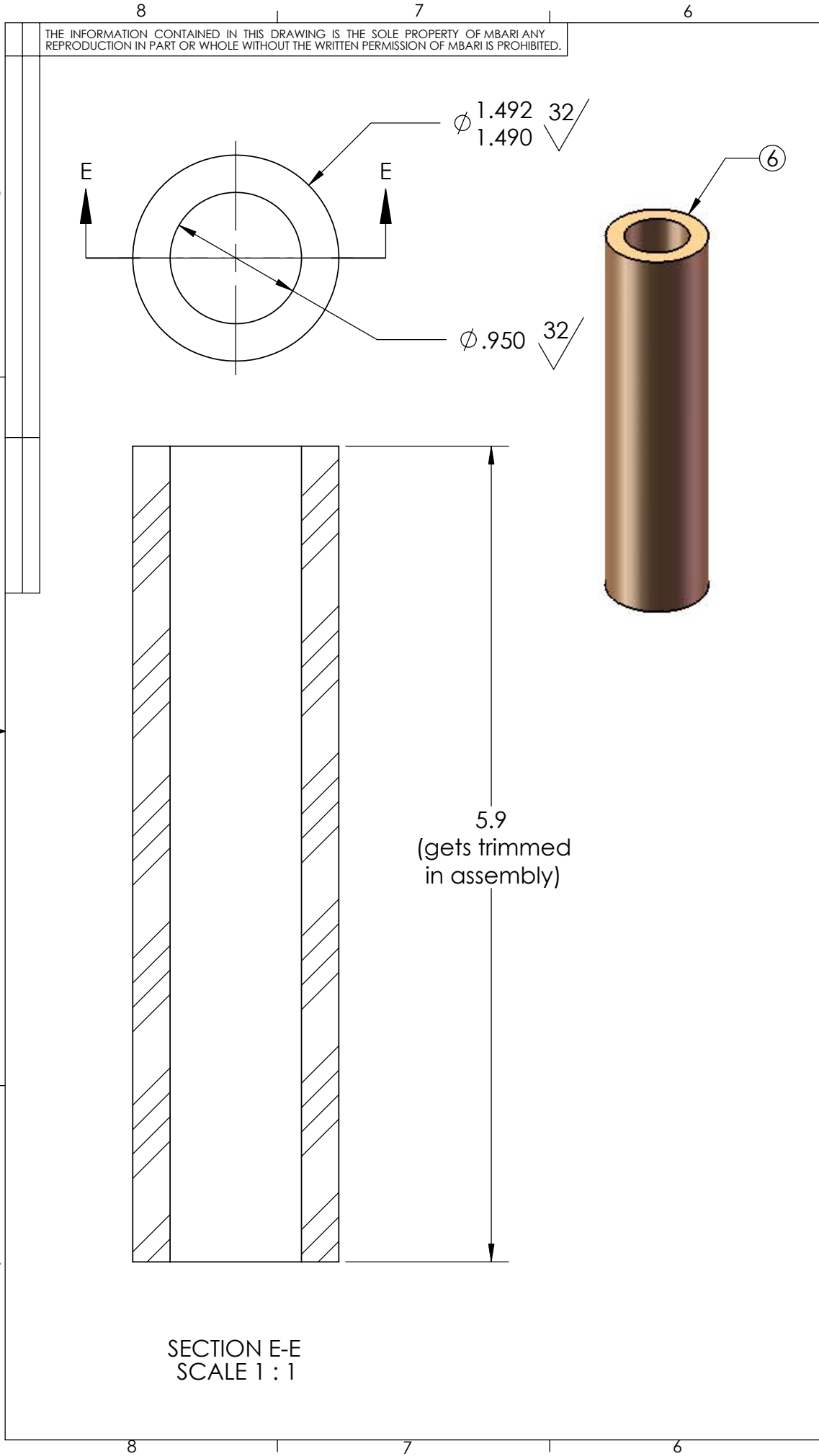
5	1		Endcap (Bottom)	PEEK
4	1		Endcap (Top)	PEEK
Item No.	Qty	Part No.	Description	Material Specification
Bill of Materials				
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:		APPROVALS DATE
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005
Shop Foreman		1. DIMENSIONS ARE IN INCHES		
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING.		
		3. REMOVE BURRS AND SHARP EDGES .015 MAX.		
		4. MACHINED FILLET RADII .0150-.030.		
NEXT ASSY Description	NEXT ASSY Number	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.		
Application		DO NOT SCALE DRAWING		WEIGHT
				SIZE B
				DWG. NO. 217jahaPTtestChamber
				REV.
		SCALE 1:3		CAD FILE: Tornado/chem/SWfiles
				SHEET 4 OF 6

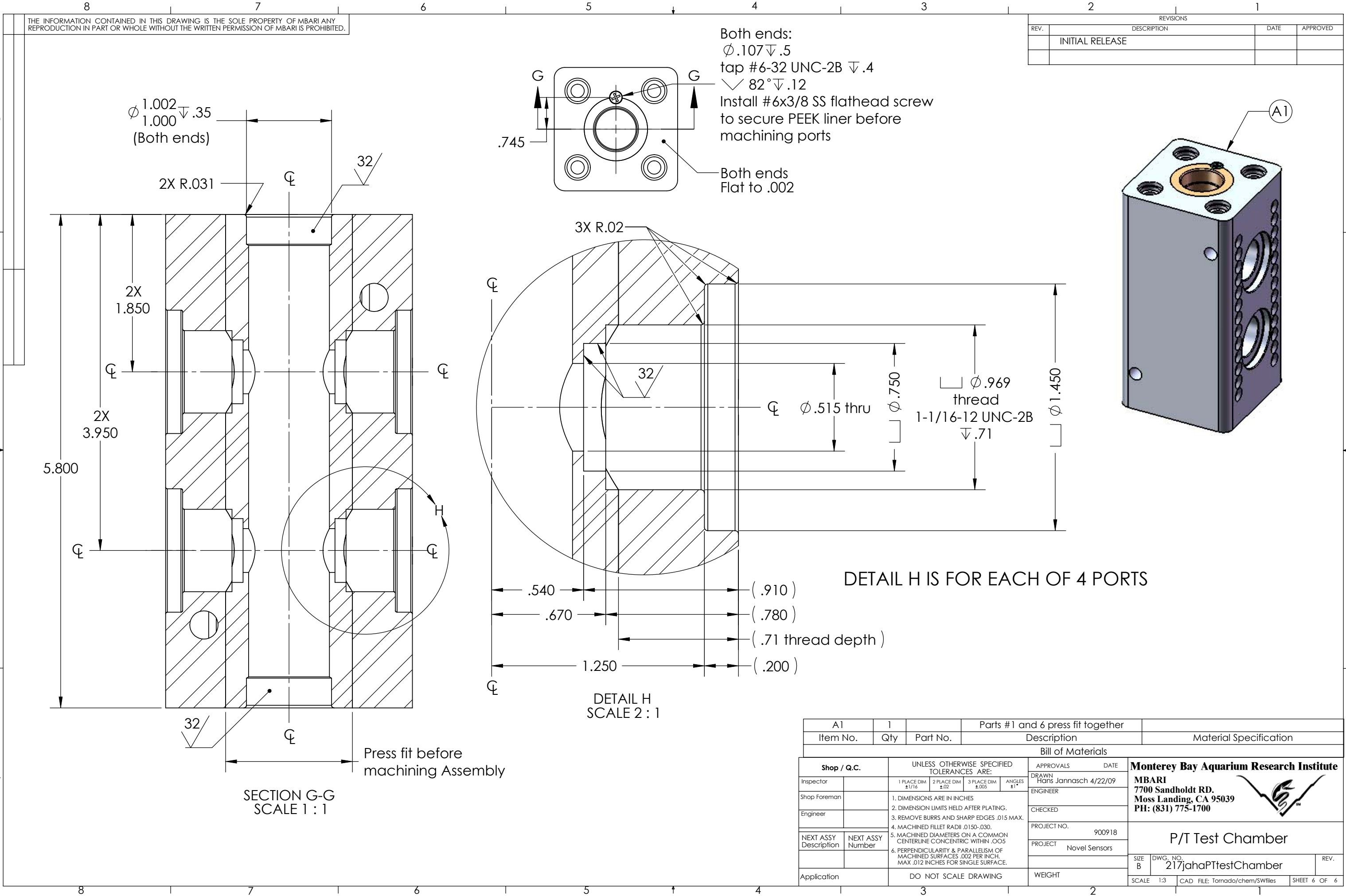
Monterey Bay Aquarium Research Institute	
MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700	
P/T Test Chamber	

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Moss Landing, CA 95039
PH: (831) 775-1700



P/T Test Chamber





REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE		

A1		1			Parts #1 and 6 press fit together			
Item No.		Qty	Part No.	Description			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	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN Hans Jannasch 4/22/09	
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	
Engineer							CHECKED	
NEXT ASSY Description		NEXT ASSY Number					PROJECT NO. 900918	
							PROJECT Novel Sensors	
Application			DO NOT SCALE DRAWING			WEIGHT		
						SIZE B		
						DWG. NO. 217jahaPTtestChamber		
						REV.		
						SCALE 1:3		
						CAD FILE: Tornado/chem/SWfiles		
						SHEET 6 OF 6		