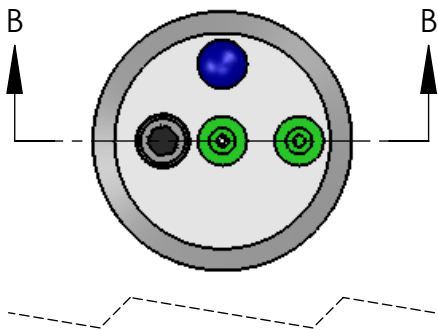
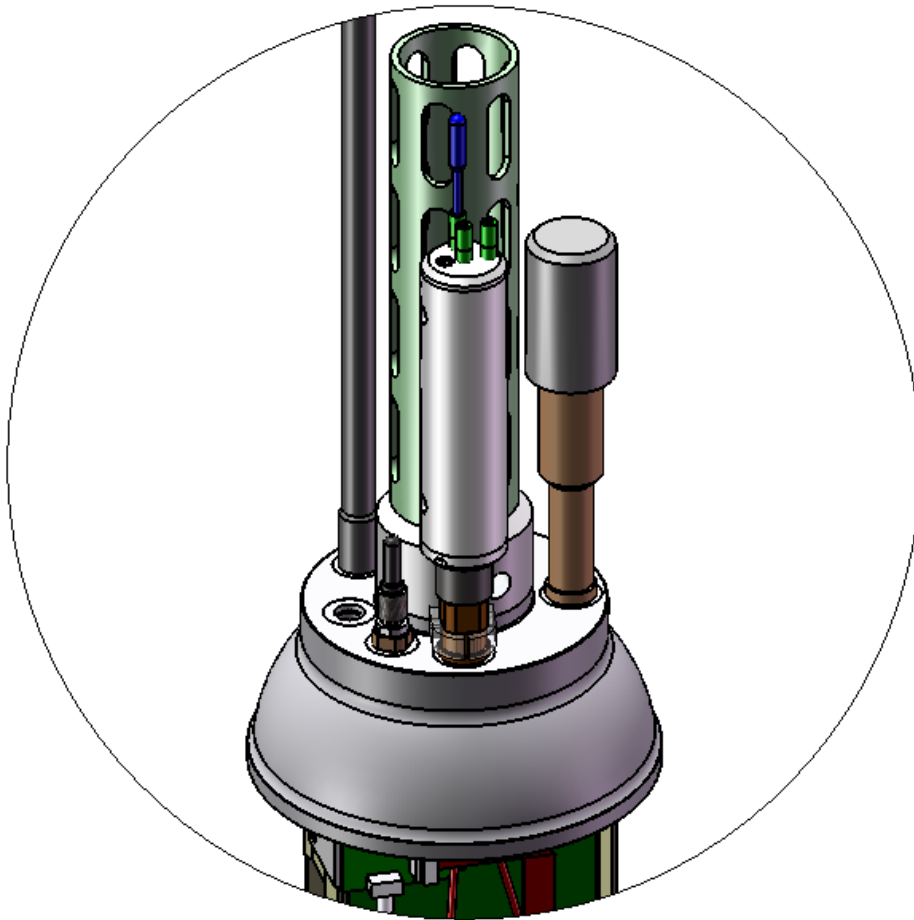


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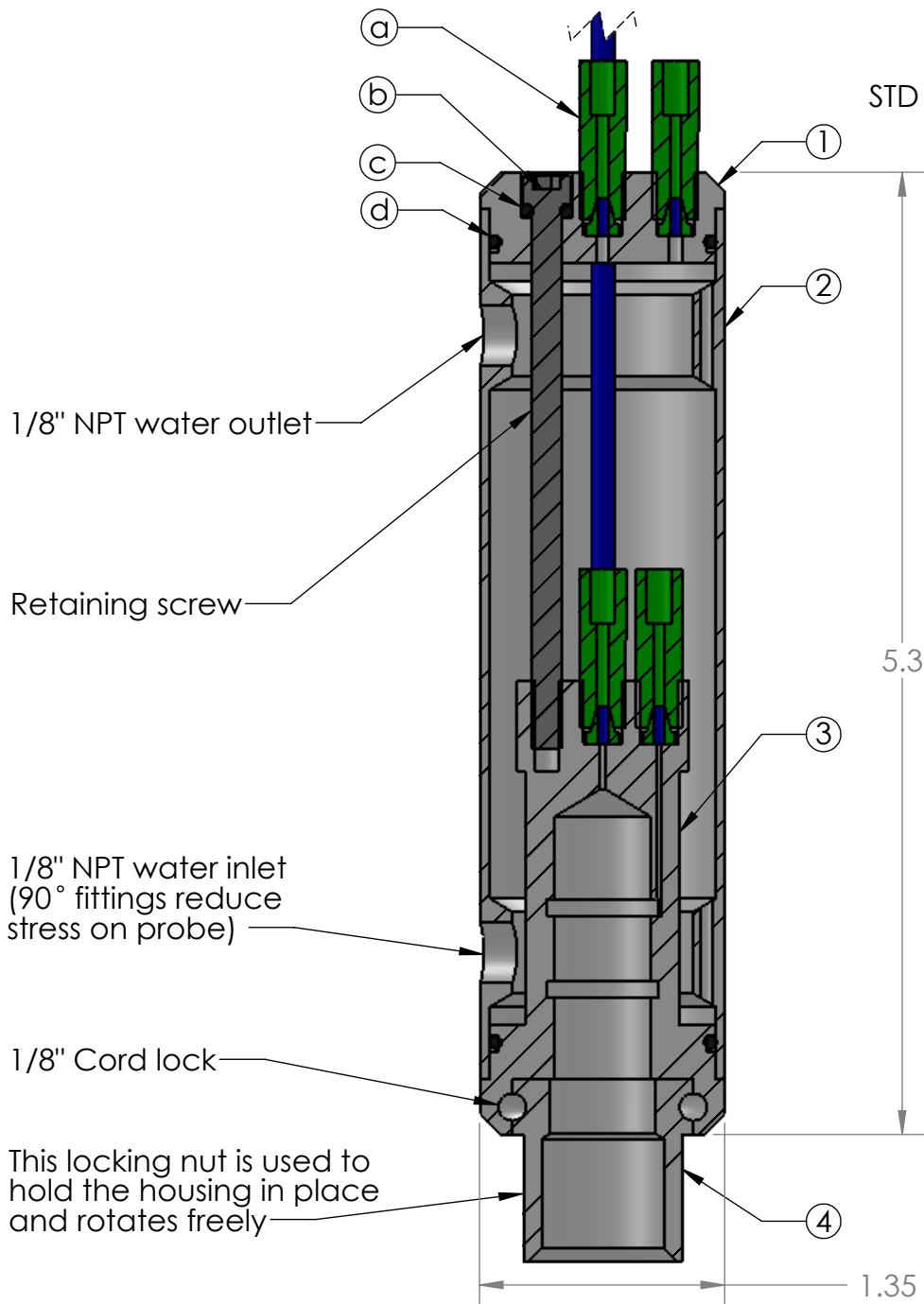
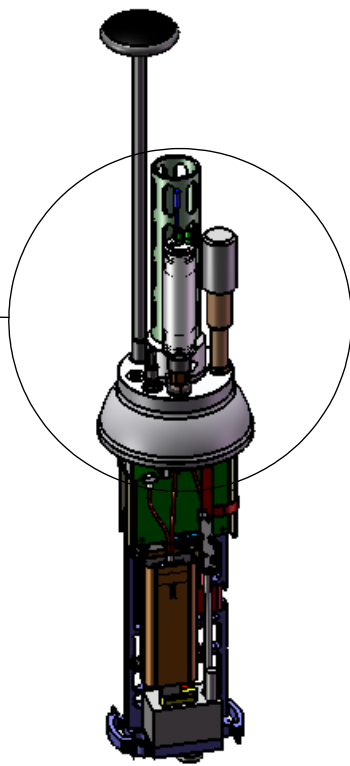
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE		



Thermistor
STD outlet
STD inlet



DETAIL A
SCALE 1 : 3

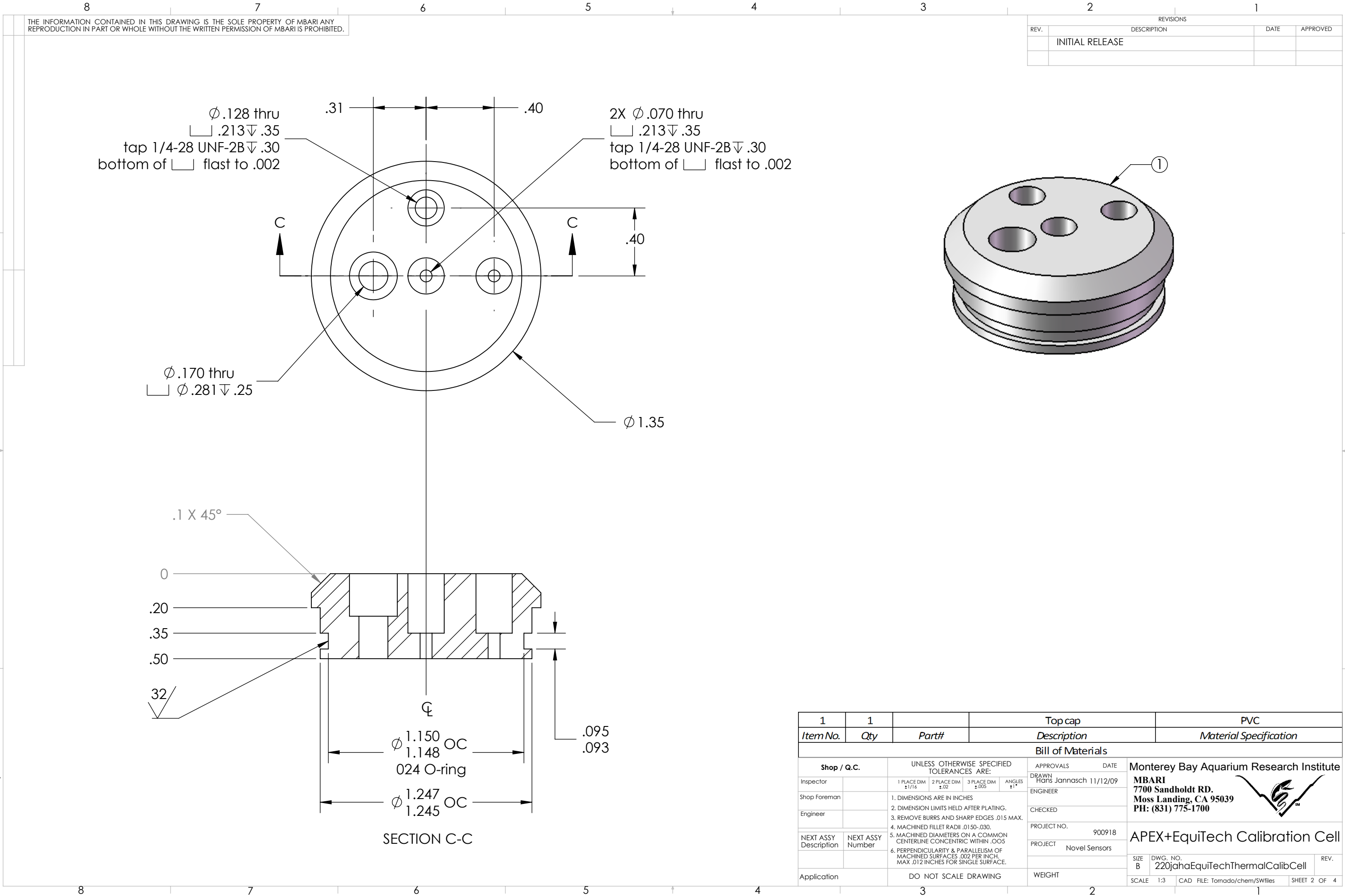


SECTION B-B
SCALE 1 : 1

d	2		O-ring	-024 Buna-N
c	1		O-ring	-007 Buna-N
b	1		Retaining screw	SS #8-32 x 3 in socket head
a	4		Upchurch Fittings	1/4-28 low pressure headless fittings
4	1		Lockring	PVC
3	1		Flowcell	Clear acrylic
2	1		Main housing	Clear acrylic
1	1		Top cap	PVC
Item No.	Qty	Part#	Description	Material Specification

Bill of Materials

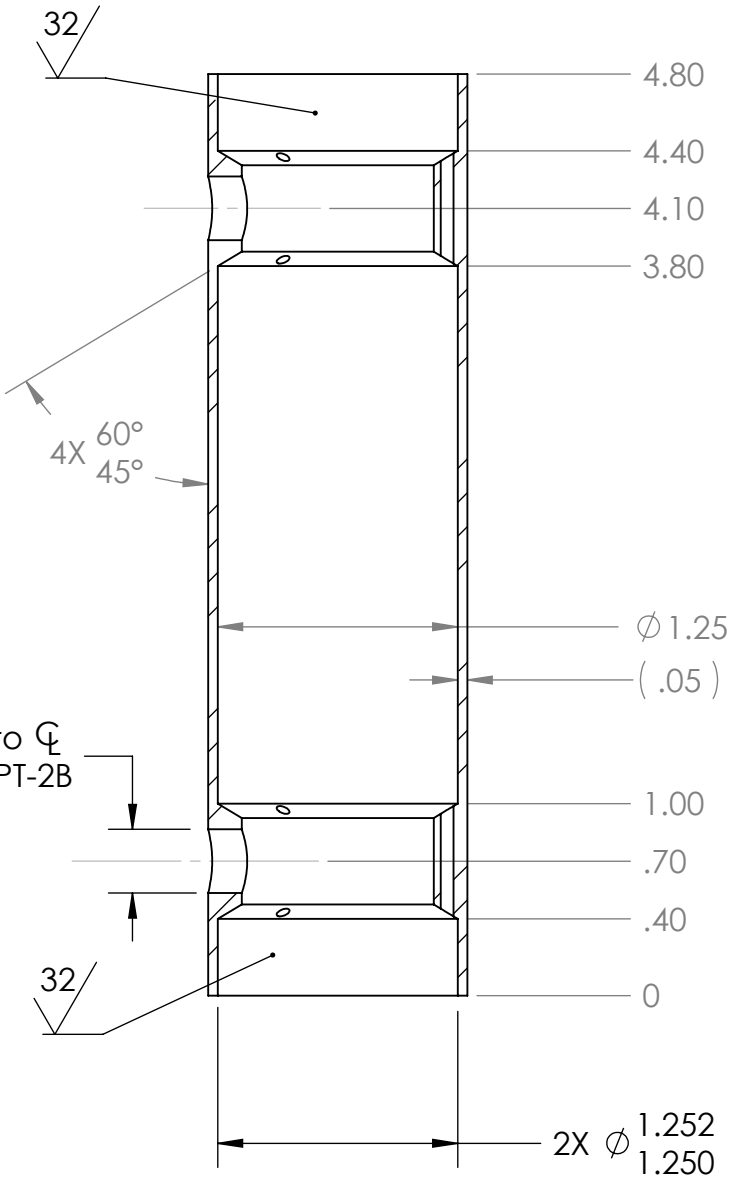
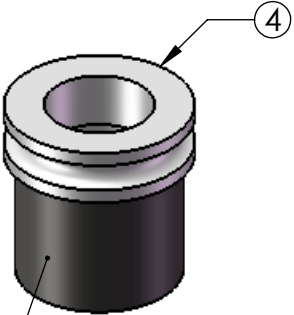
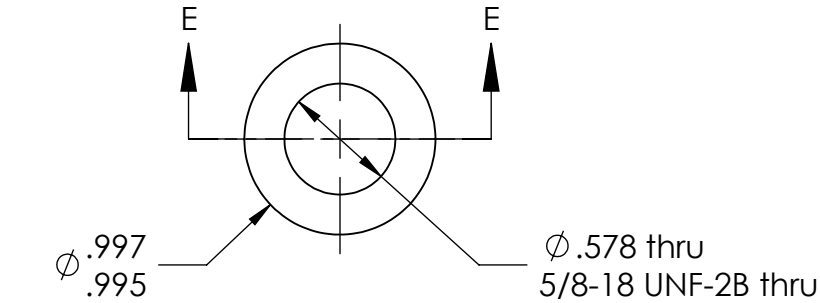
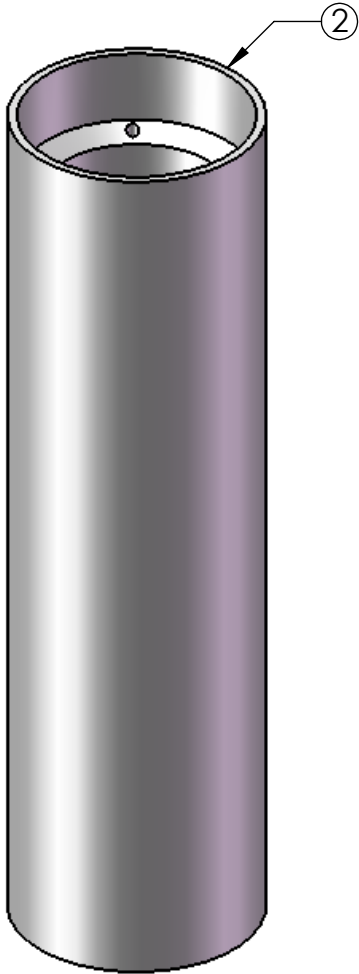
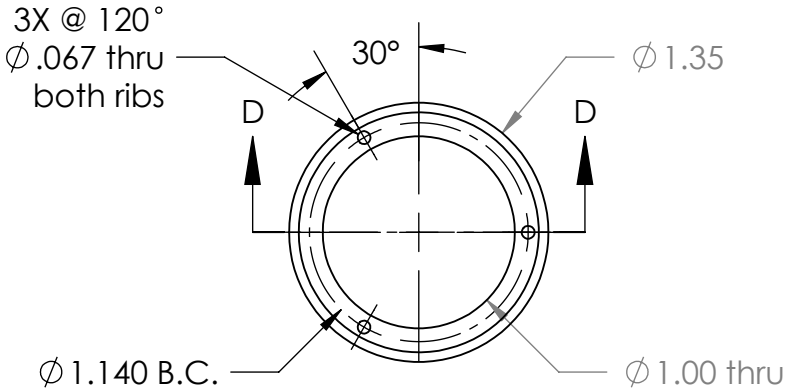
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:		APPROVALS	DATE	Monterey Bay Aquarium Research Institute	
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN Hans Jannasch 11/12/09	MBARI
Shop Foreman		1. DIMENSIONS ARE IN INCHES				ENGINEER	7700 Sandholdt RD.
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING.				CHECKED	Moss Landing, CA 95039
		3. REMOVE BURRS AND SHARP EDGES .015 MAX.				PROJECT NO.	PH: (831) 775-1700
		4. MACHINED FILLET RADII .0150-.030.				PROJECT	Novel Sensors
NEXT ASSY Description	NEXT ASSY Number	5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005				WEIGHT	
		6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH, MAX .012 INCHES FOR SINGLE SURFACE.				SCALE	1:3
Application		DO NOT SCALE DRAWING		DWG. NO.		FILE	Tornado/chem/SWfiles
				220jahaEquiTechThermalCalibCell		SHEET	1 OF 4



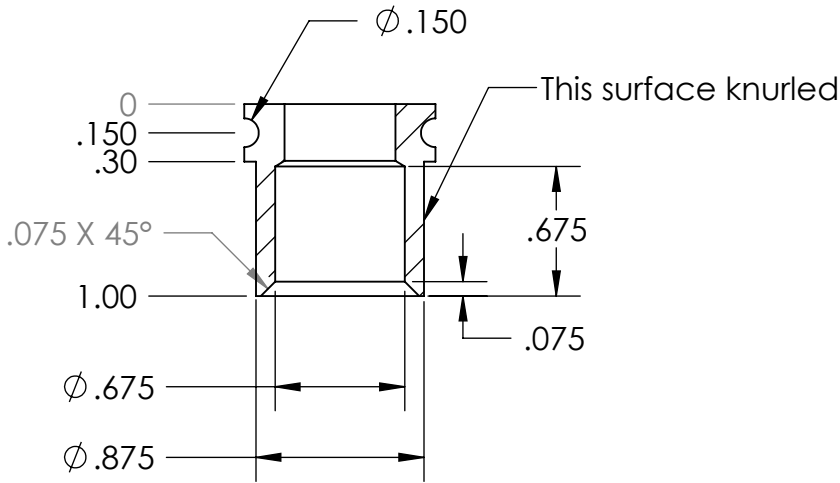
1	1		Top cap		PVC	
Item No.	Qty	Part#	Description		Material Specification	
Bill of Materials						
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:			APPROVALS DATE	
Inspector		1 PLACE DIM ± 1/16	2 PLACE DIM ± .02	3 PLACE DIM ± .005	DRAWN Hans Jannasch 11/12/09	
Shop Foreman		1. DIMENSIONS ARE IN INCHES			ENGINEER	
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING.			CHECKED	
		3. REMOVE BURRS AND SHARP EDGES .015 MAX.			PROJECT NO. 900918	
NEXT ASSY Description	NEXT ASSY Number	4. MACHINED FILLET RADII .0150-.030.			PROJECT Novel Sensors	
		5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005			SIZE B DWG. NO. 220jahaEquiTechThermalCalibCell REV.	
		6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH, MAX .012 INCHES FOR SINGLE SURFACE.			SCALE 1:3 CAD FILE: Tornado/chem/SWfiles SHEET 2 OF 4	
Application		DO NOT SCALE DRAWING			WEIGHT	
		3			2	
					1	

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SECTION D-D
SCALE 1 : 1

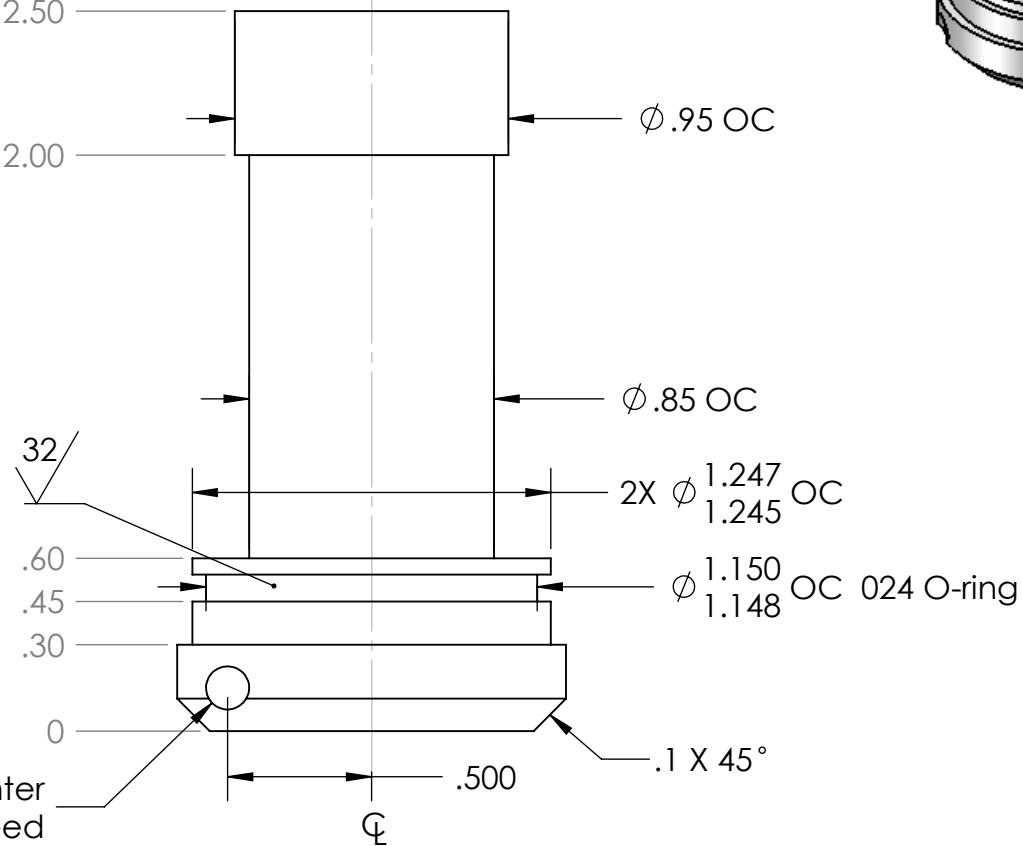
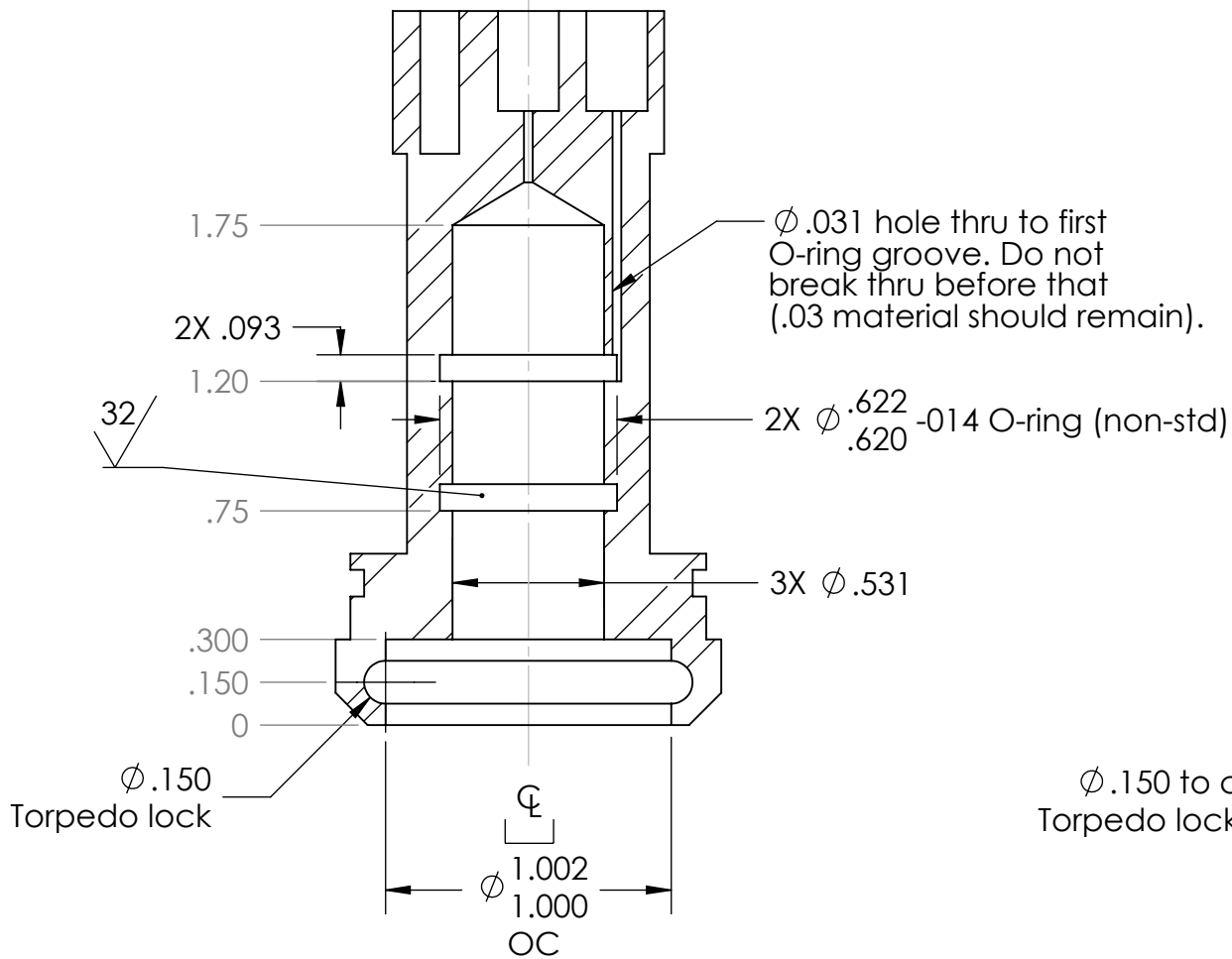
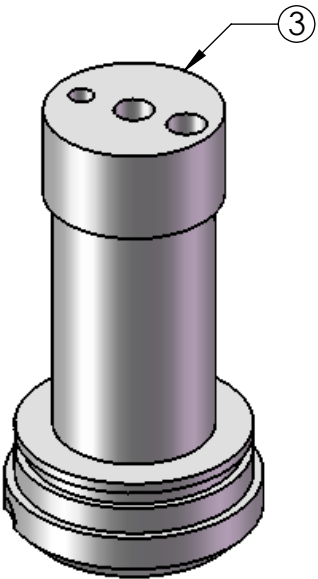
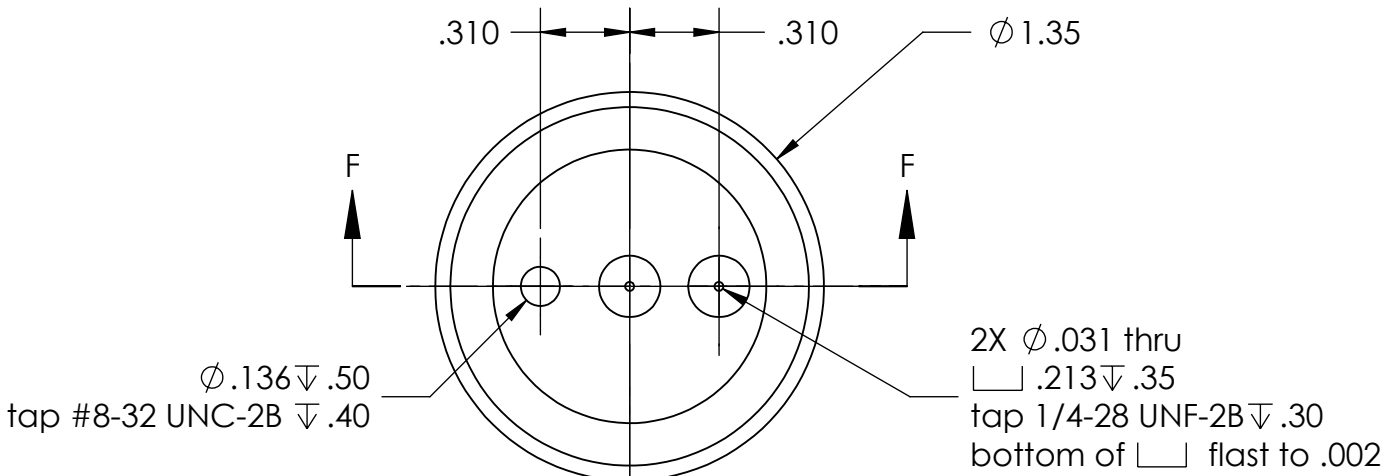


SECTION E-E
SCALE 1 : 1

4	1		Lockring	PVC	
2	1		Main housing	Clear acrylic	
Item No.	Qty	Part#	Description	Material Specification	
Bill of Materials					
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:		Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700 	
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02		DRAWN Hans Jannasch 11/12/09
Shop Foreman		1. DIMENSIONS ARE IN INCHES			ENGINEER
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING.			CHECKED
NEXT ASSY Description	NEXT ASSY Number	3. REMOVE BURRS AND SHARP EDGES .015 MAX.			PROJECT NO. 900918
		4. MACHINED FILLET RADII .0150-.030.			PROJECT Novel Sensors
Application		DO NOT SCALE DRAWING		WEIGHT	
				SIZE B	
				DWG. NO. 220jahaEquiTechThermalCalibCell	
				SCALE 1:3	
				CAD FILE: Tornado/chem/SWfiles	
				SHEET 3 OF 4	

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	INITIAL RELEASE		



3	1		Flowcell	Clear acrylic
Item No.	Qty	Part#	Description	Material Specification
Bill of Materials				
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:		Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700 
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	
Shop Foreman		3 PLACE DIM ±.005	ANGLES ±1°	
Engineer		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.		
NEXT ASSY Description	NEXT ASSY Number			
Application		DO NOT SCALE DRAWING		APEX+EquiTech Calibration Cell