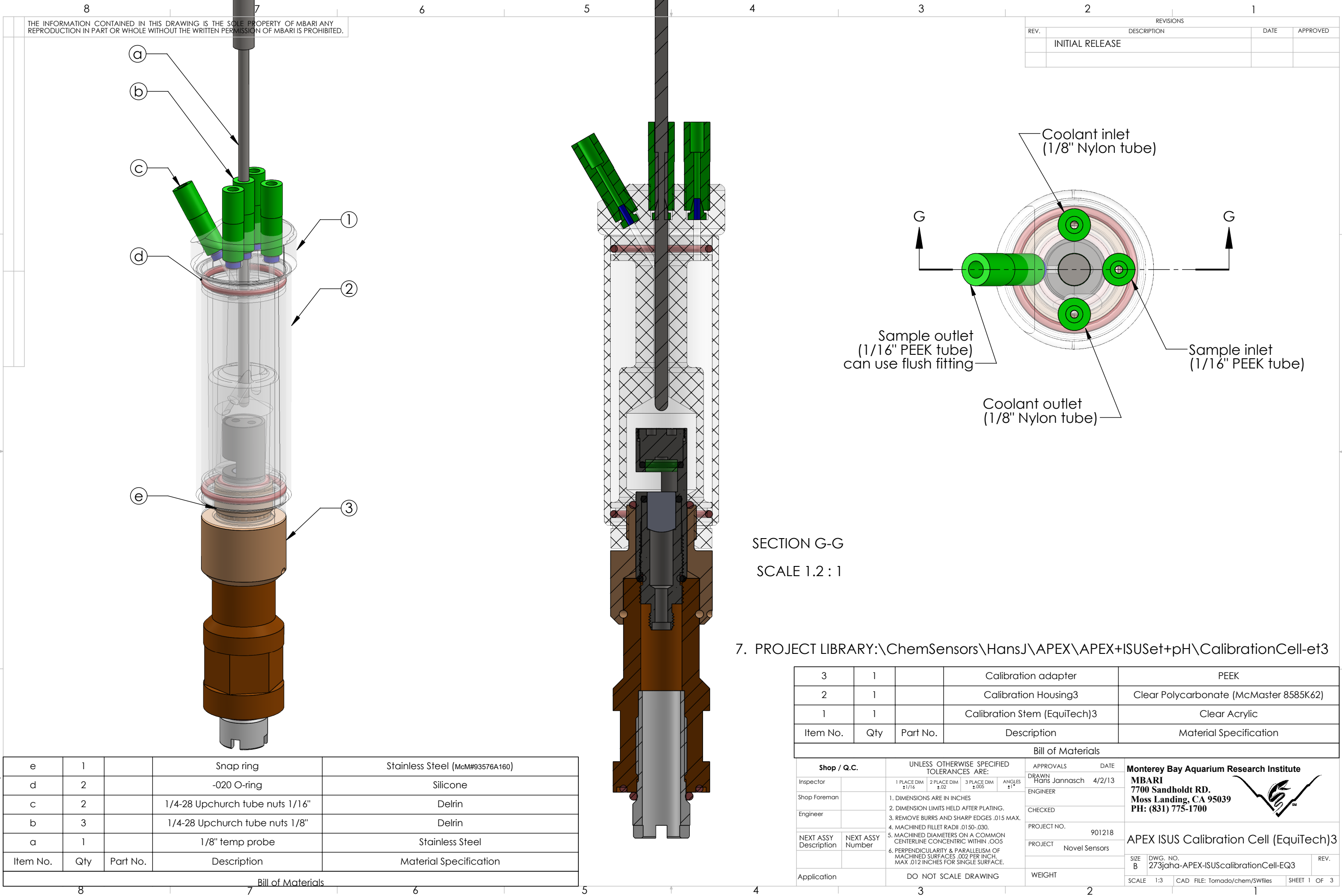




SECTION G-G
SCALE 1.2 : 1

7. PROJECT LIBRARY:\ChemSensors\HansJ\APEX\APEX+ISUSet+pH\CalibrationCell-et3

e	1		Snap ring	Stainless Steel (McM#93576A160)
d	2		-020 O-ring	Silicone
c	2		1/4-28 Upchurch tube nuts 1/16"	Delrin
b	3		1/4-28 Upchurch tube nuts 1/8"	Delrin
a	1		1/8" temp probe	Stainless Steel
Item No.	Qty	Part No.	Description	Material Specification

3	1		Calibration adapter	PEEK
2	1		Calibration Housing3	Clear Polycarbonate (McMaster 8585K62)
1	1		Calibration Stem (EquiTech)3	Clear Acrylic
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	DRAWN Hans Jannasch 4/2/13
Shop Foreman		3 PLACE DIM ±.005	ANGLES ±1°	ENGINEER
Engineer		1. DIMENSIONS ARE IN INCHES		CHECKED
		2. DIMENSION LIMITS HELD AFTER PLATING.		PROJECT NO. 901218
		3. REMOVE BURRS AND SHARP EDGES .015 MAX.		PROJECT Novel Sensors
NEXT ASSY Description	NEXT ASSY Number	4. MACHINED FILLET RADII .0150-.030.		WEIGHT
		5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005		SCALE 1:3
		6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.		CAD FILE: Tornado/chem/SWfiles
Application		DO NOT SCALE DRAWING		SHEET 1 OF 3

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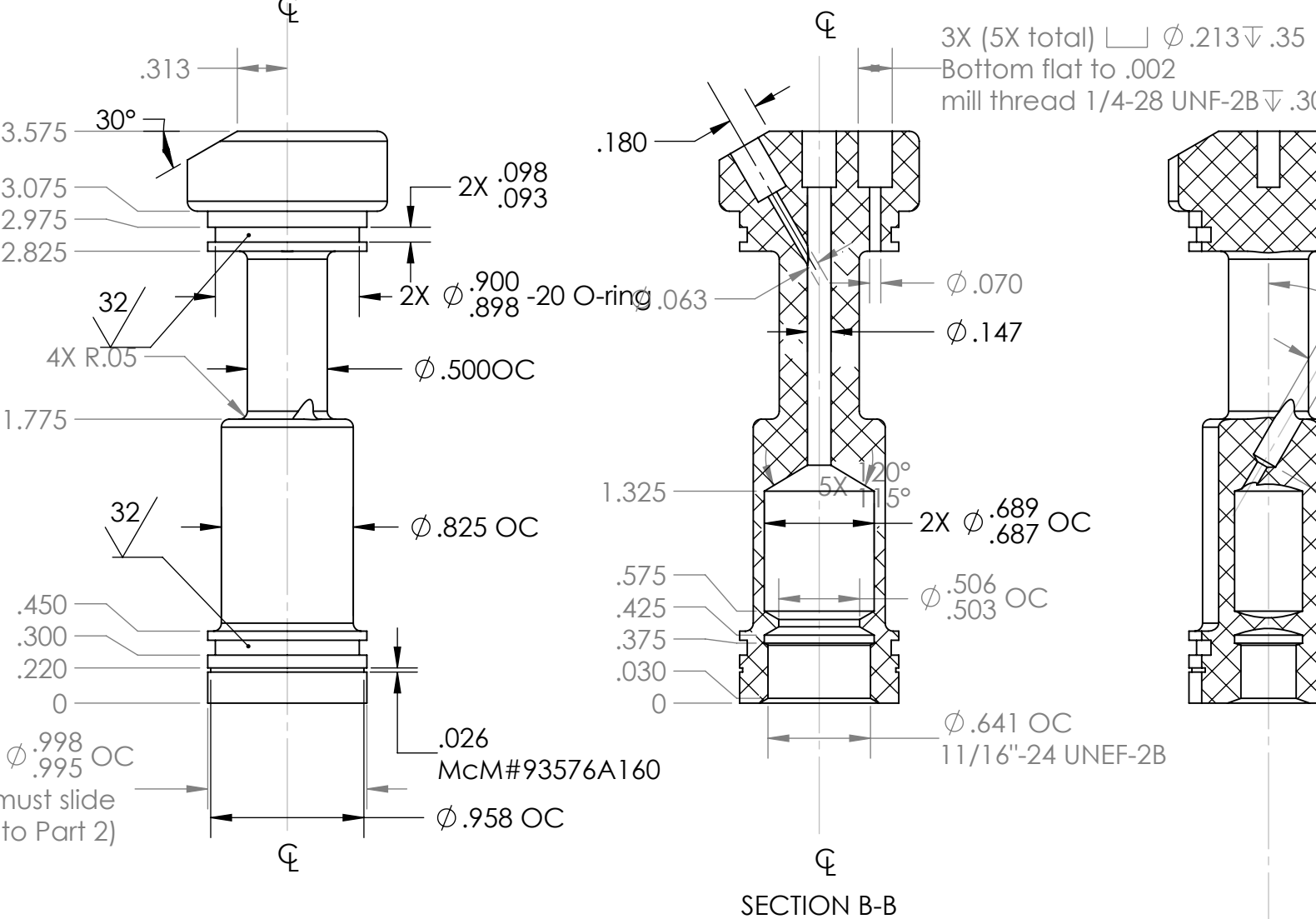
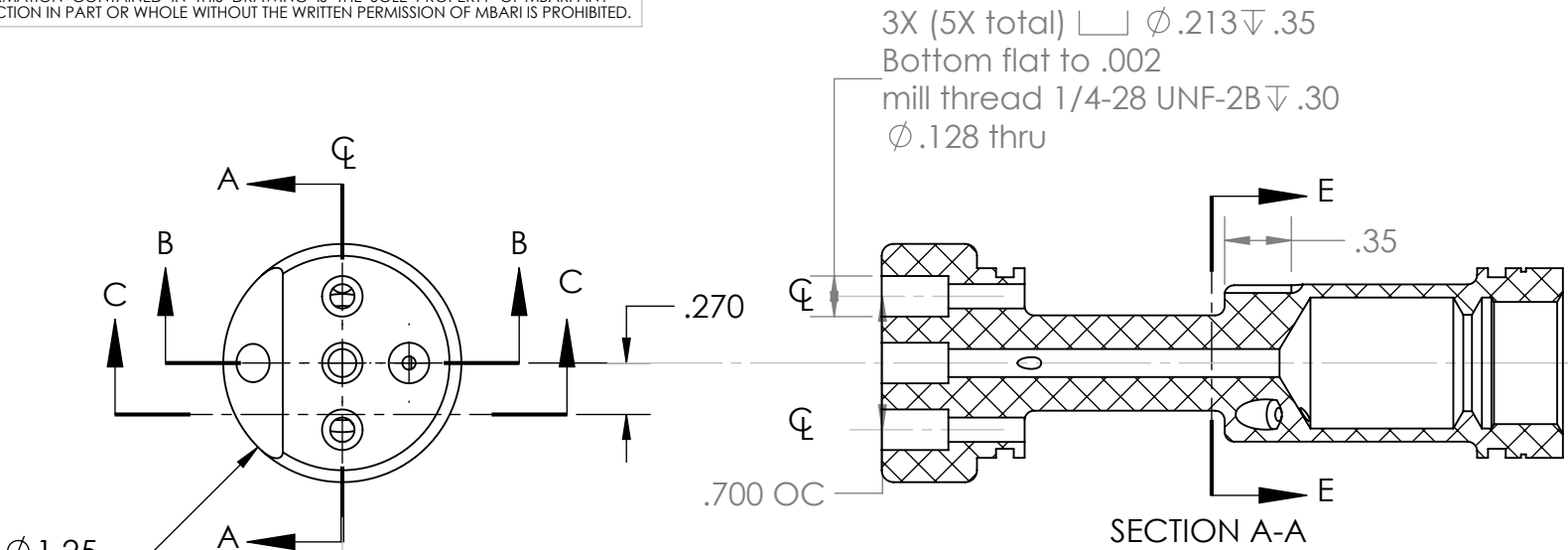
APEX ISUS Calibration Cell (EquiTech)3

SIZE B DWG. NO. 273jaha-APEX-ISUScalibrationCell-EQ3

REV.

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE		



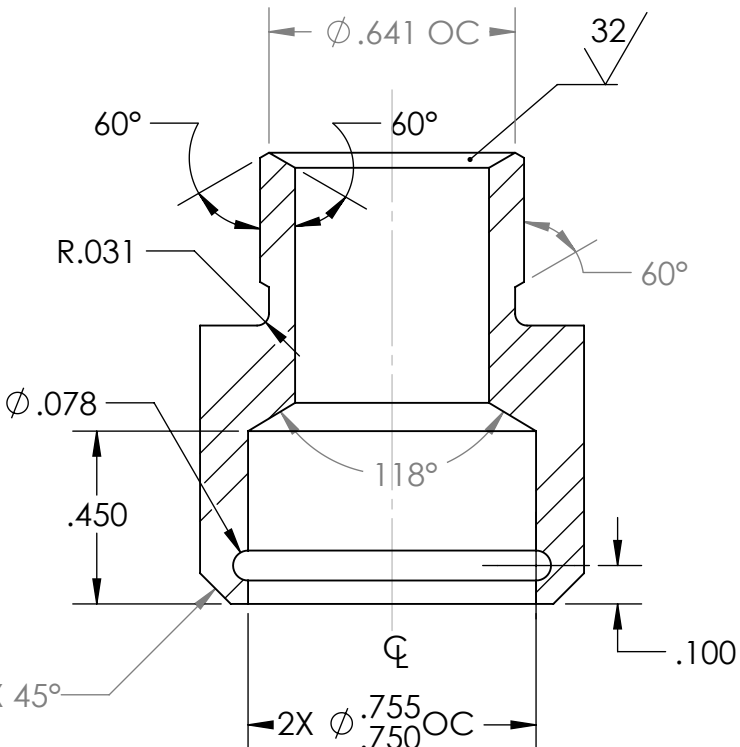
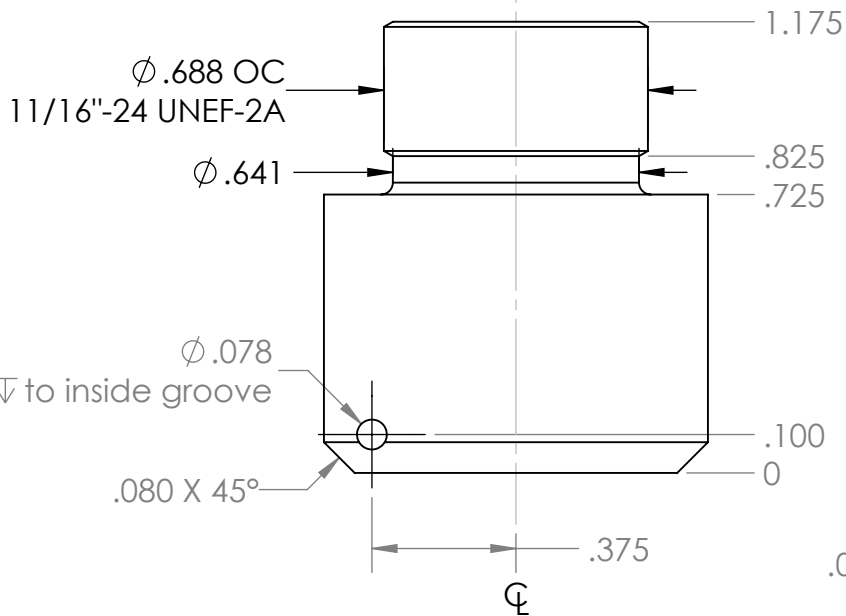
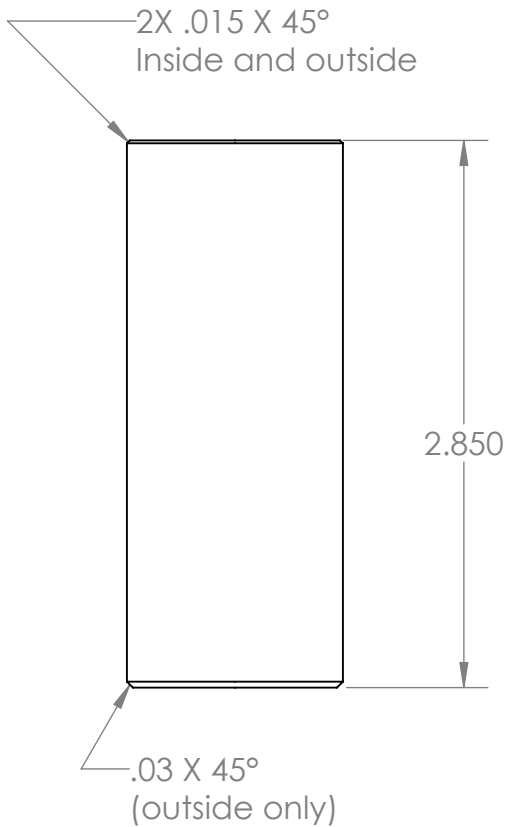
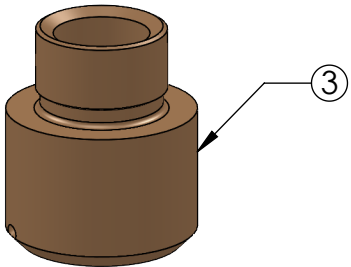
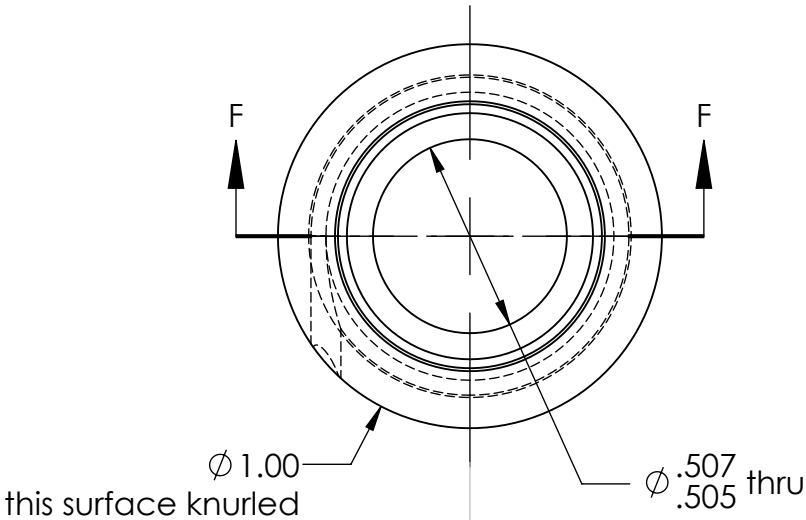
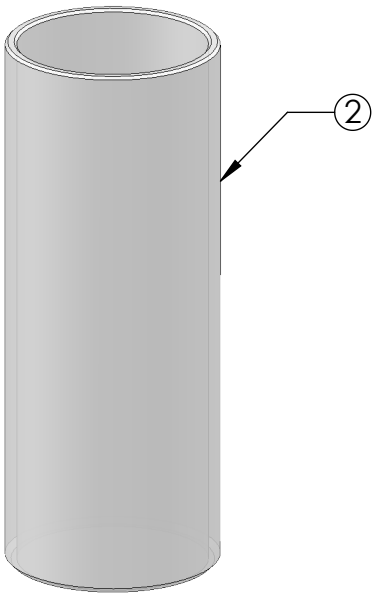
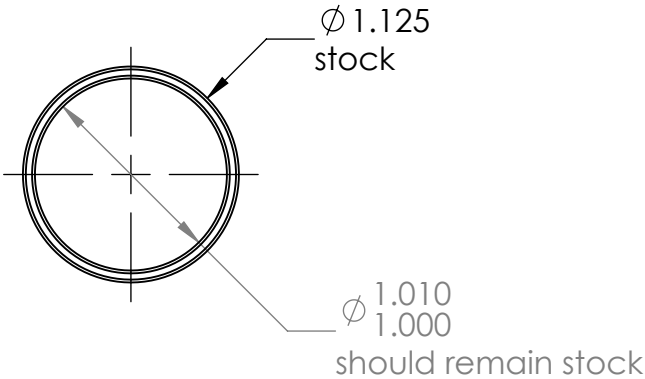
NOTE 7: The ϕ .687 inside and ϕ .825 outside surfaces should be polished.
NOTE 8: Parts 1 and 3 should easily screw together.

7. PROJECT LIBRARY:\ChemSensors\HansJ\APEX\APEX+ISUSet+pH\CalibrationCell-et3

1		1		Calibration Stem (EquiTech)		Clear Acrylic	
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	4/2/13
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. 901218	
						PROJECT Novel Sensors	
Application		DO NOT SCALE DRAWING			WEIGHT		
Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700							
							
APEX ISUS Calibration Cell (EquiTech)3							
SIZE B		DWG. NO. 273jaha-APEX-ISUScalibrationCell-EQ3				REV.	
SCALE 1:3		CAD FILE: Tornado/chem/SWfiles				SHEET 2 OF 3	

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SECTION F-F
SCALE 2 : 1

NOTE 7: Stock surfaces should be visually clear.
NOTE 8: Parts 1 and 3 should easily screw together.

3	1		Calibration adapter	PEEK				
2	1		Calibration Housing	Clear Polycarbonate (McMaster 8585K62)				
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 4/2/13		
Shop Foreman		1. DIMENSIONS ARE IN INCHES				ENGINEER		
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING.				CHECKED		
		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				PROJECT NO. 901218		
		6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.				PROJECT Novel Sensors		
Application		DO NOT SCALE DRAWING		WEIGHT				
						SIZE B	DWG. NO. 273jaha-APEX-ISUScalibrationCell-EQ3	REV.
						SCALE 1:3	CAD FILE: Tornado/chem/SWfiles	SHEET 3 OF 3

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