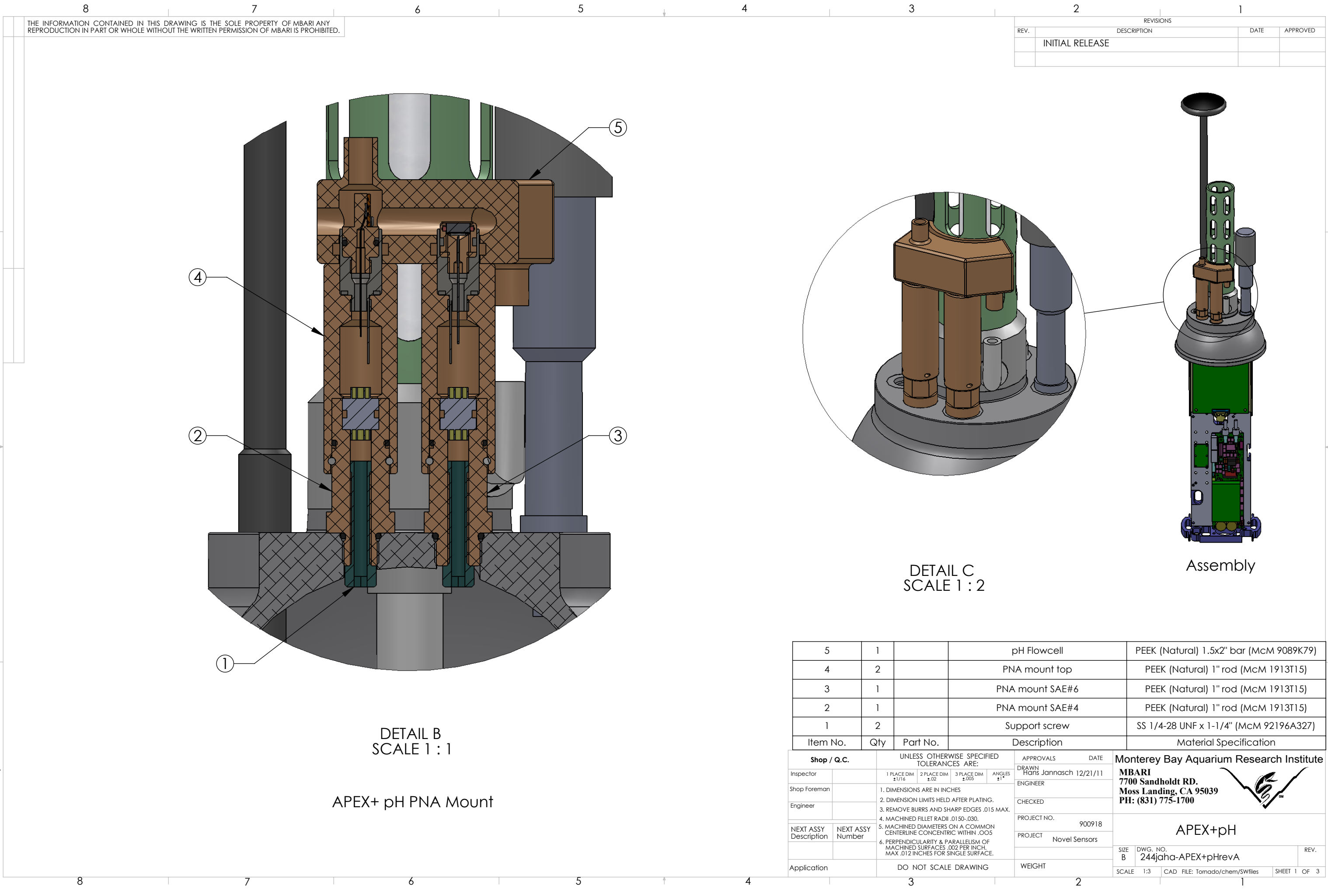
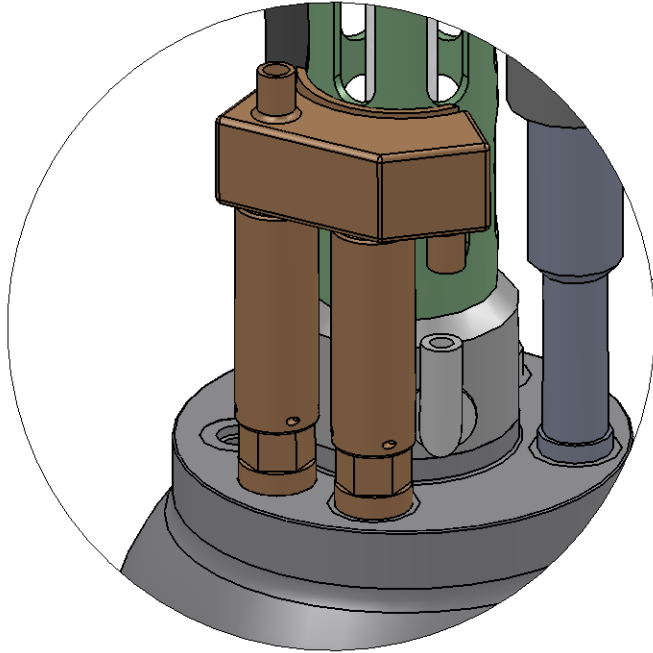


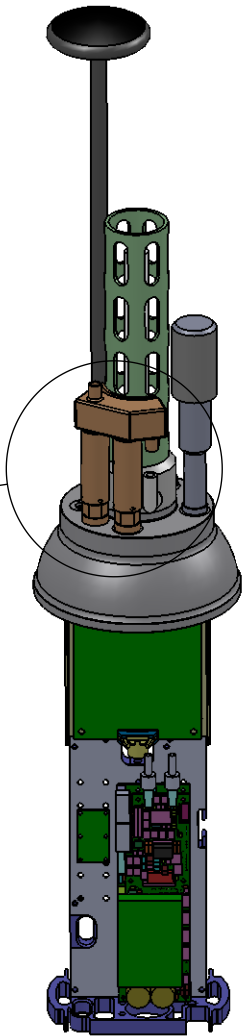


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DETAIL C
SCALE 1 : 2



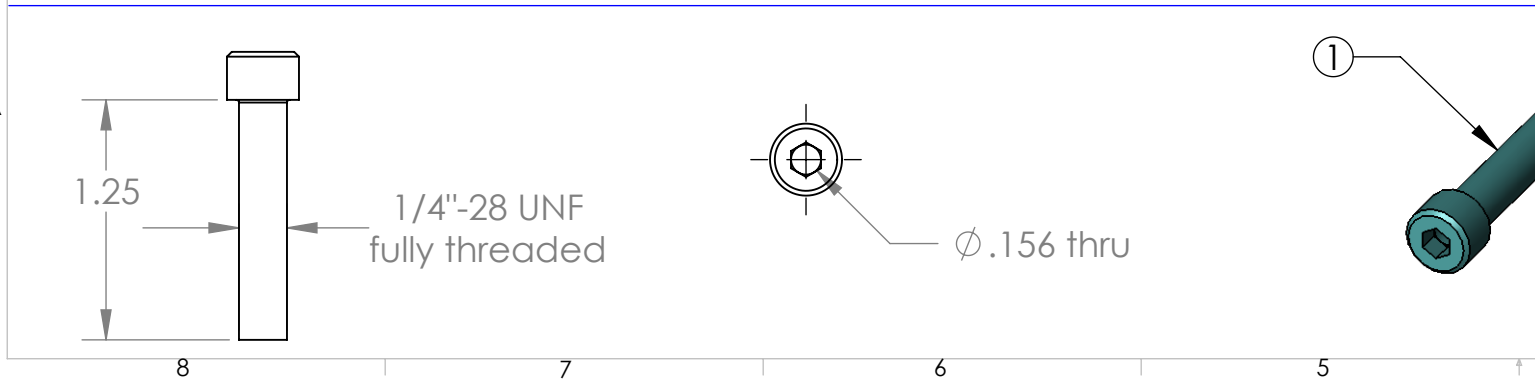
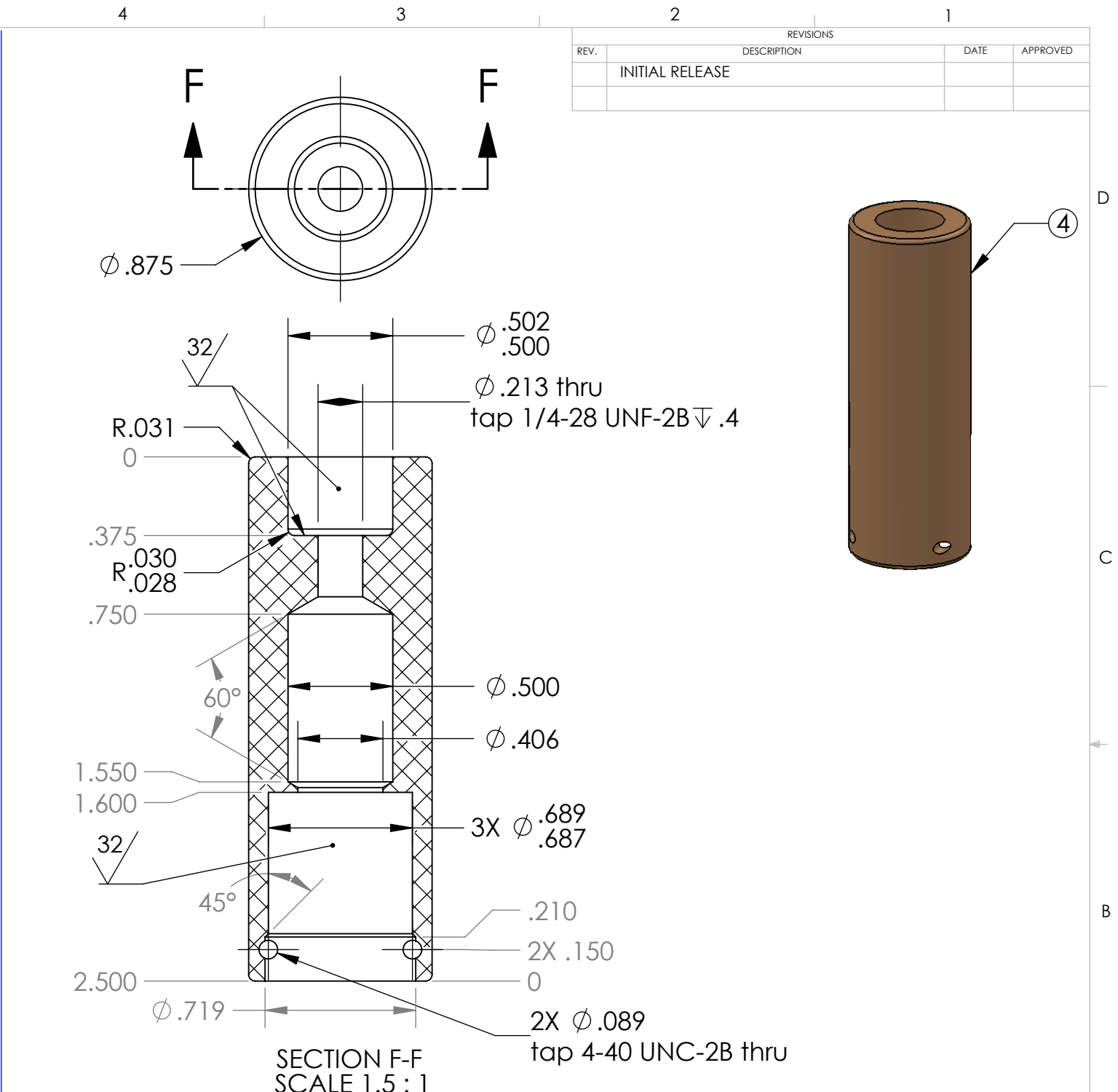
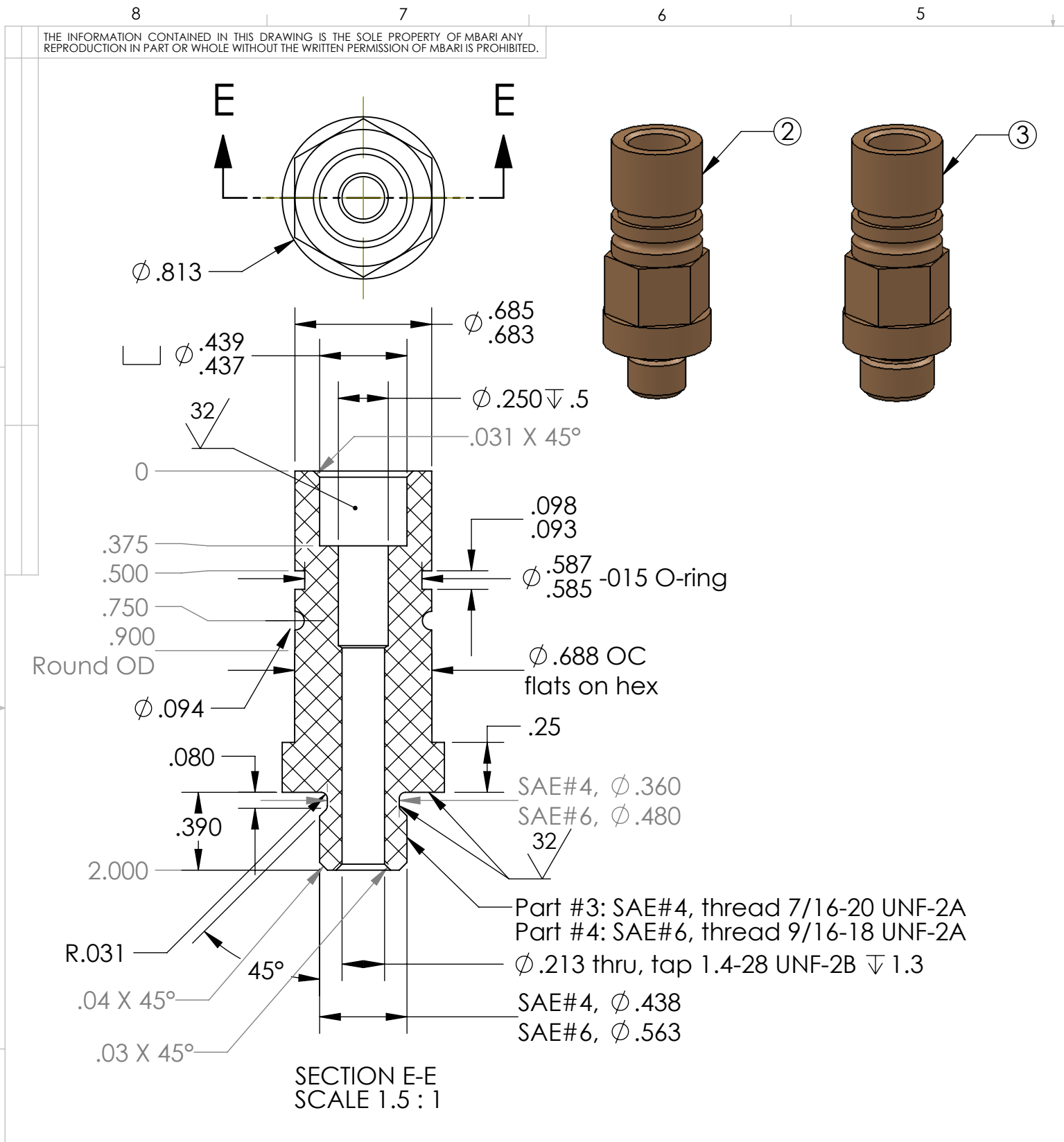
Assembly

DETAIL B
SCALE 1 : 1

APEX+ pH PNA Mount

5	1		pH Flowcell	PEEK (Natural) 1.5x2" bar (McM 9089K79)
4	2		PNA mount top	PEEK (Natural) 1" rod (McM 1913T15)
3	1		PNA mount SAE#6	PEEK (Natural) 1" rod (McM 1913T15)
2	1		PNA mount SAE#4	PEEK (Natural) 1" rod (McM 1913T15)
1	2		Support screw	SS 1/4-28 UNF x 1-1/4" (McM 92196A327)
Item No.	Qty	Part No.	Description	Material Specification

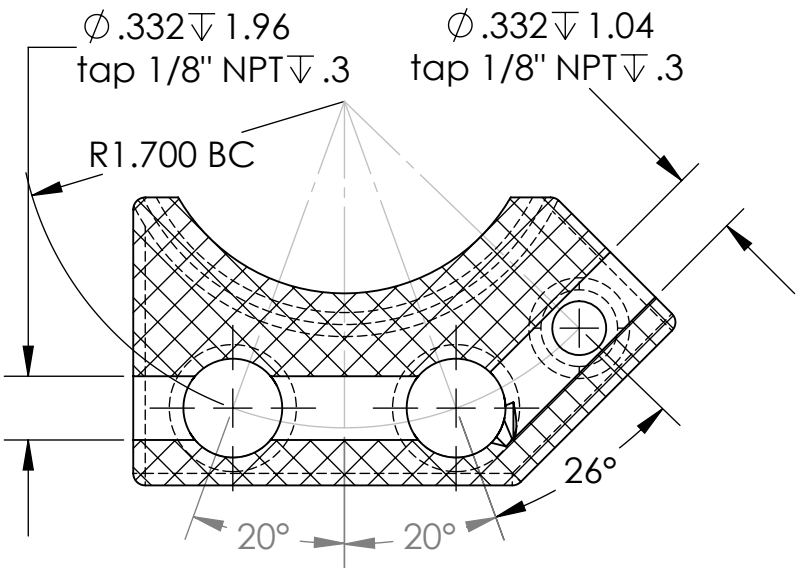
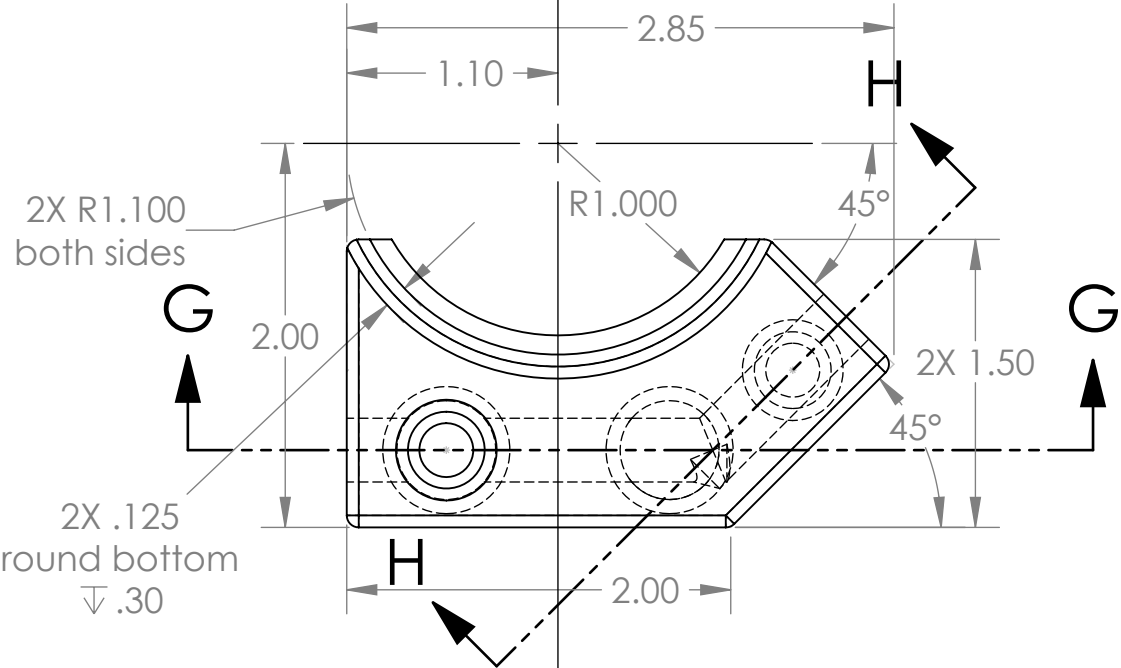
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:		APPROVALS	DATE	Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700	
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	DRAWN Hans Jannasch	12/21/11		
Shop Foreman		1. DIMENSIONS ARE IN INCHES		ENGINEER		APEX+pH	
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	SIZE B	
		4. MACHINED FILLET RADII .0150-.030.		PROJECT	Novel Sensors		
		5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005		WEIGHT		DWG. NO. 244jaha-APEX+pHrevA	
		6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.				REV.	
Application		DO NOT SCALE DRAWING				SCALE 1:3	
						CAD FILE: Tornado/chem/SWfiles	
						SHEET 1 OF 3	



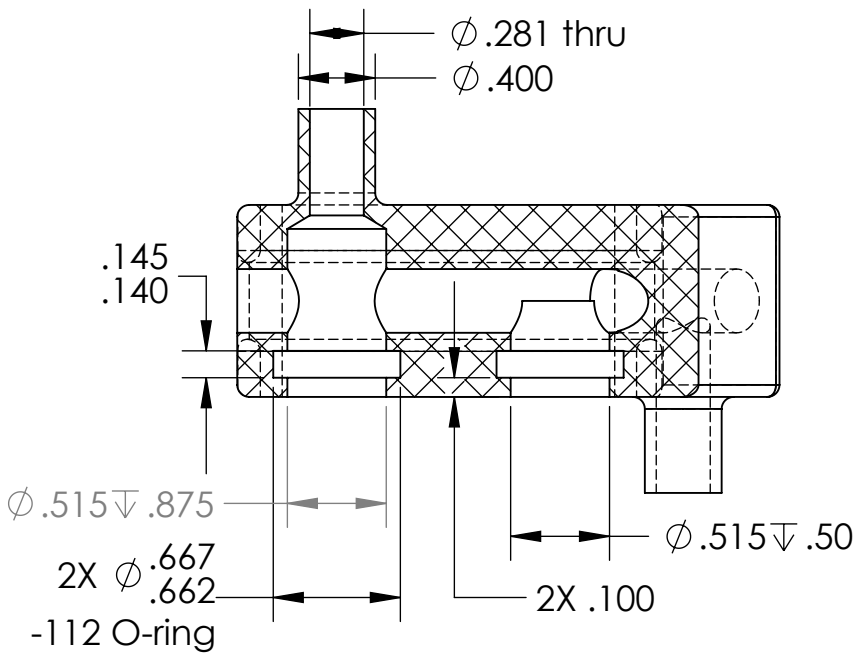
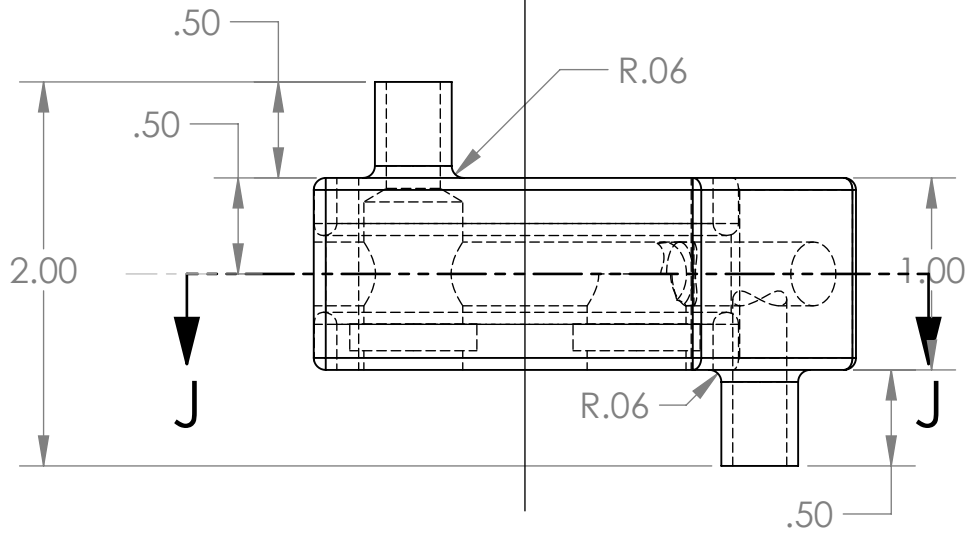
4	2		PNA mount top	PEEK (Natural) 1" rod (McM 1913T15)
3	1		PNA mount SAE#6	PEEK (Natural) 1" rod (McM 1913T15)
2	1		PNA mount SAE#4	PEEK (Natural) 1" rod (McM 1913T15)
1	2		Support screw	SS 1/4-28 UNF x 1-1/4" (McM 92196A327)
Item No.	Qty	Part No.	Description	Material Specification
Shop / Q.C.				
Inspector		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:		
Shop Foreman		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005
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		
Shop / Q.C.			APPROVALS	DATE
			DRAWN	12/21/11
			Hans Jannasch	
			ENGINEER	
			CHECKED	
			PROJECT NO.	900918
			PROJECT	Novel Sensors
			WEIGHT	
Monterey Bay Aquarium Research Institute				
MBARI				
7700 Sandholdt RD.				
Moss Landing, CA 95039				
PH: (831) 775-1700				
APEX+pH				
SIZE B				
DWG. NO. 244jaha-APEX+pHrevA				
SCALE 1:3				
CAD FILE: Tornado/chem/SWfiles				
SHEET 2 OF 3				

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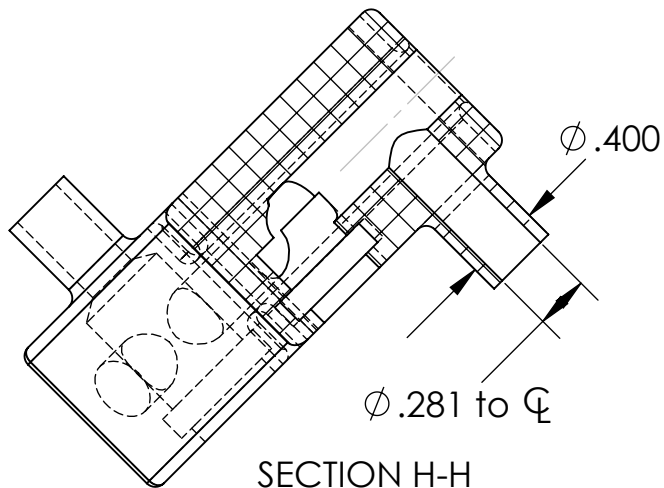
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE		



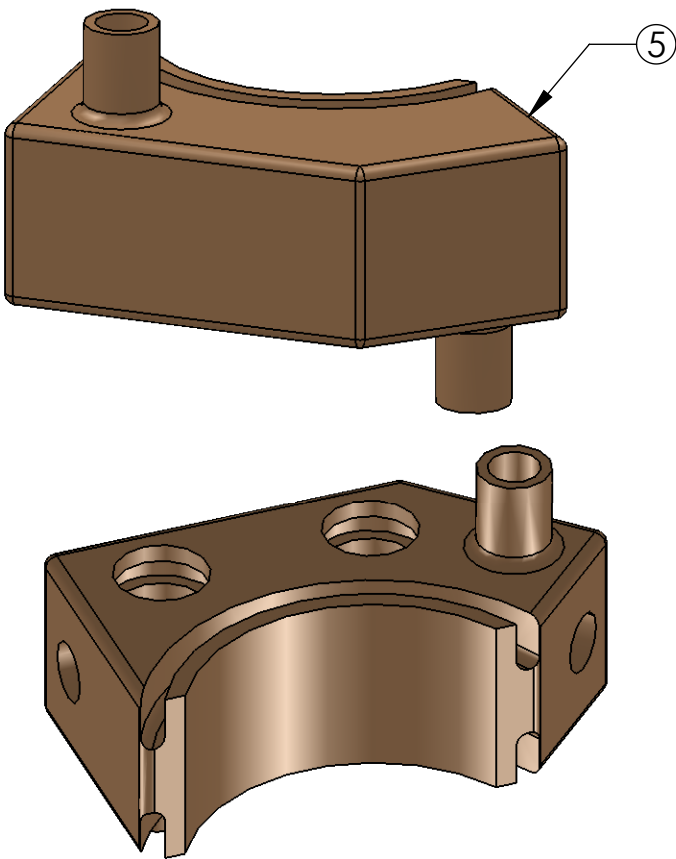
SECTION J-J



SECTION G-G



SECTION H-H



5		1				pH Flowcell		PEEK (Natural) 1.5x2" bar (McM 9089K79)					
Item No.		Qty		Part No.		Description		Material Specification					
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  APEX+pH SIZE B DWG. NO. 244jaha-APEX+pHrevA REV. SCALE 1:3 CAD FILE: Tornado/chem/SWfiles SHEET 3 OF 3			
Inspector		1 PLACE DIM ±1/16		2 PLACE DIM ±.02		3 PLACE DIM ±.005		ANGLES ±1°				DRAWN Hans Jannasch 12/21/11	
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					
Application		DO NOT SCALE DRAWING				PROJECT Novel Sensors		WEIGHT					
		3				2						1	