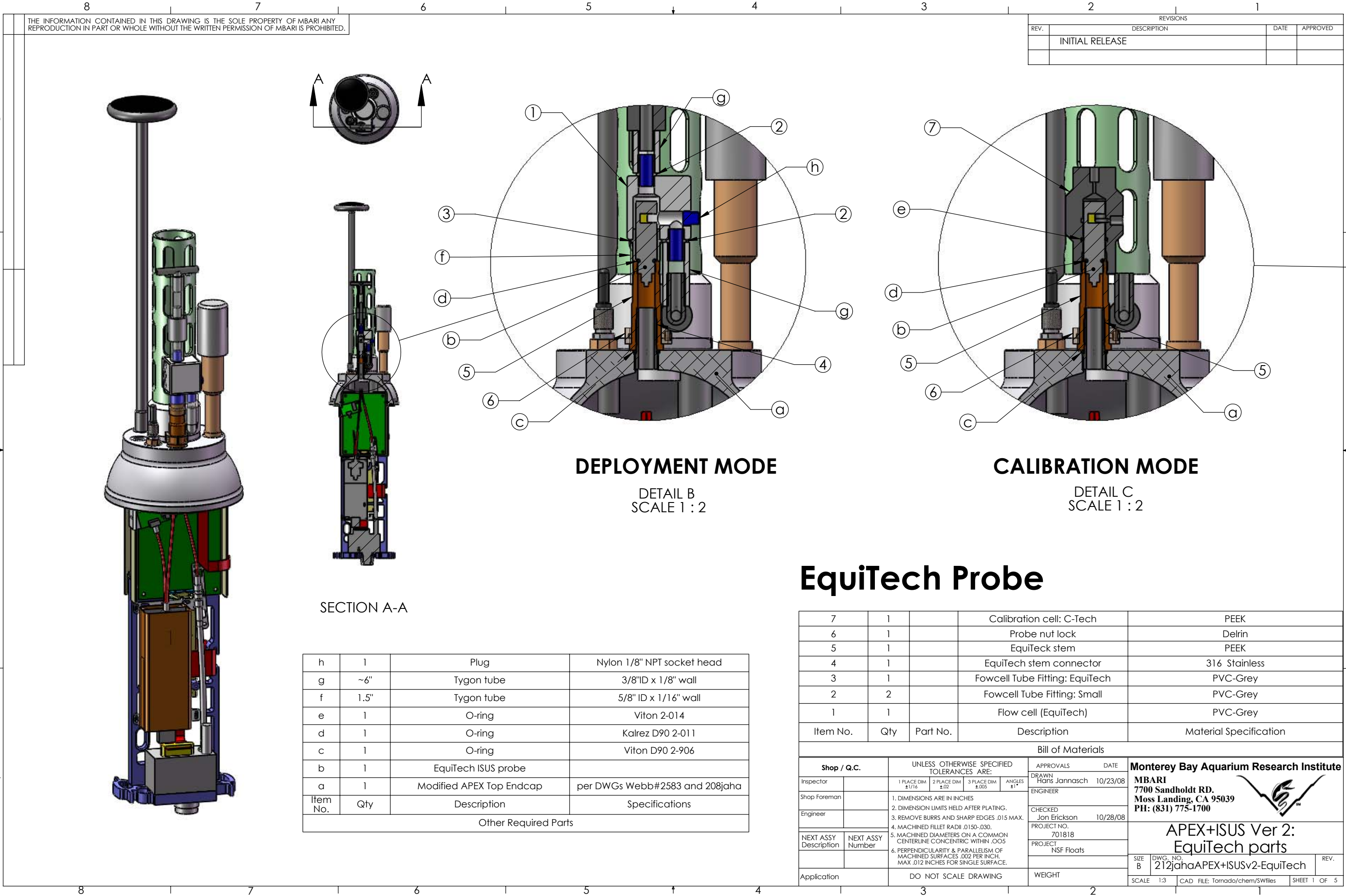
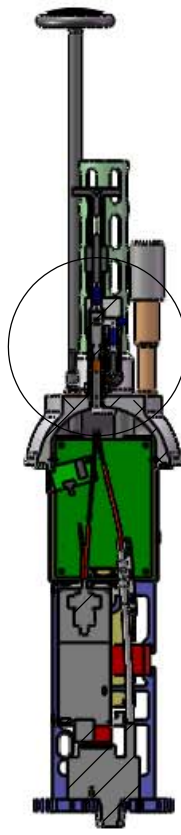
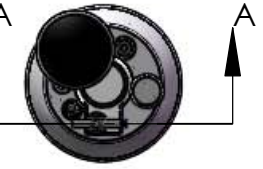


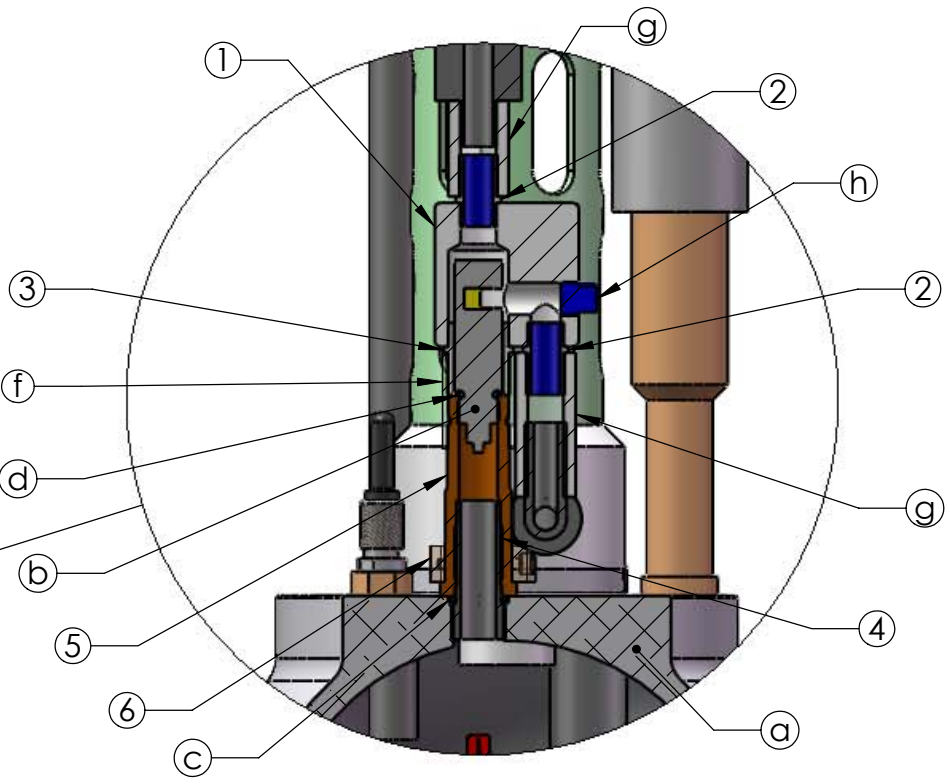


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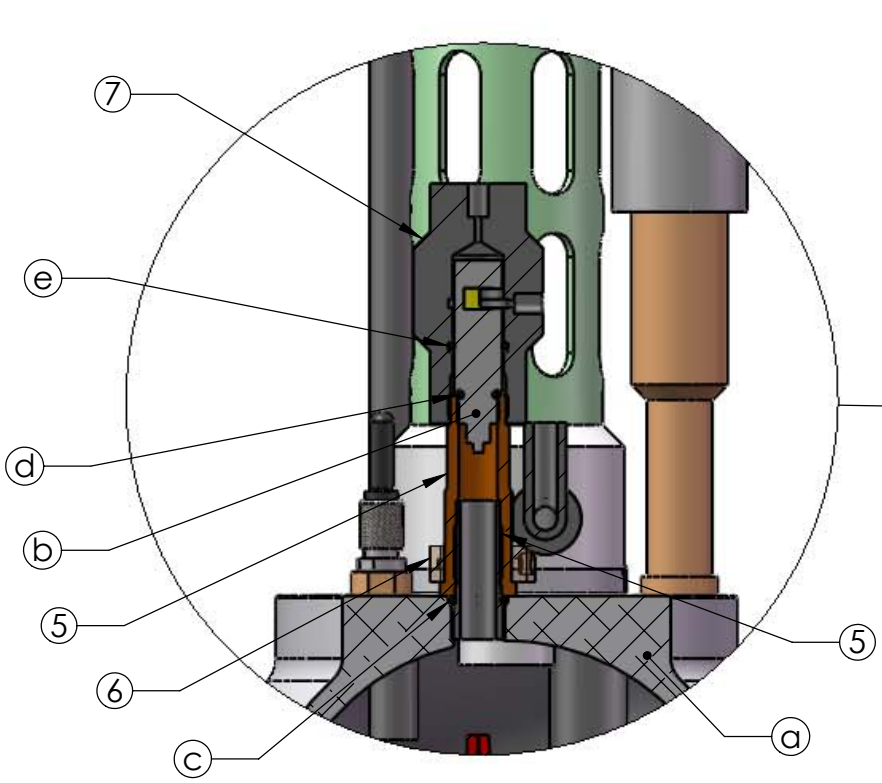
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE		



SECTION A-A



DEPLOYMENT MODE
DETAIL B
SCALE 1 : 2



CALIBRATION MODE
DETAIL C
SCALE 1 : 2

h	1	Plug	Nylon 1/8" NPT socket head
g	~6"	Tygon tube	3/8"ID x 1/8" wall
f	1.5"	Tygon tube	5/8" ID x 1/16" wall
e	1	O-ring	Viton 2-014
d	1	O-ring	Kalrez D90 2-011
c	1	O-ring	Viton D90 2-906
b	1	EquiTech ISUS probe	
a	1	Modified APEX Top Endcap	per DWGs Webb#2583 and 208jaha
Item No.	Qty	Description	Specifications
Other Required Parts			

EquiTech Probe

7	1		Calibration cell: C-Tech	PEEK
6	1		Probe nut lock	Delrin
5	1		EquiTech stem	PEEK
4	1		EquiTech stem connector	316 Stainless
3	1		Fowcell Tube Fitting: EquiTech	PVC-Grey
2	2		Fowcell Tube Fitting: Small	PVC-Grey
1	1		Flow cell (EquiTech)	PVC-Grey
Item No.	Qty	Part No.	Description	Material Specification

Shop / Q.C.

Inspector

Shop Foreman

Engineer

NEXT ASSY Description

NEXT ASSY Number

Application

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:

1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°
----------------------	---------------------	----------------------	---------------

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.

DO NOT SCALE DRAWING

APPROVALS

DATE

DRAWN
Hans Jannasch
ENGINEER

CHECKED
Jon Erickson
10/28/08

PROJECT NO.
701818

PROJECT
NSF Floats

WEIGHT

Monterey Bay Aquarium Research Institute

MBARI
7700 Sandholdt RD.
Moss Landing, CA 95039
PH: (831) 775-1700

APEX+ISUS Ver 2:
EquiTech parts

SIZE
B

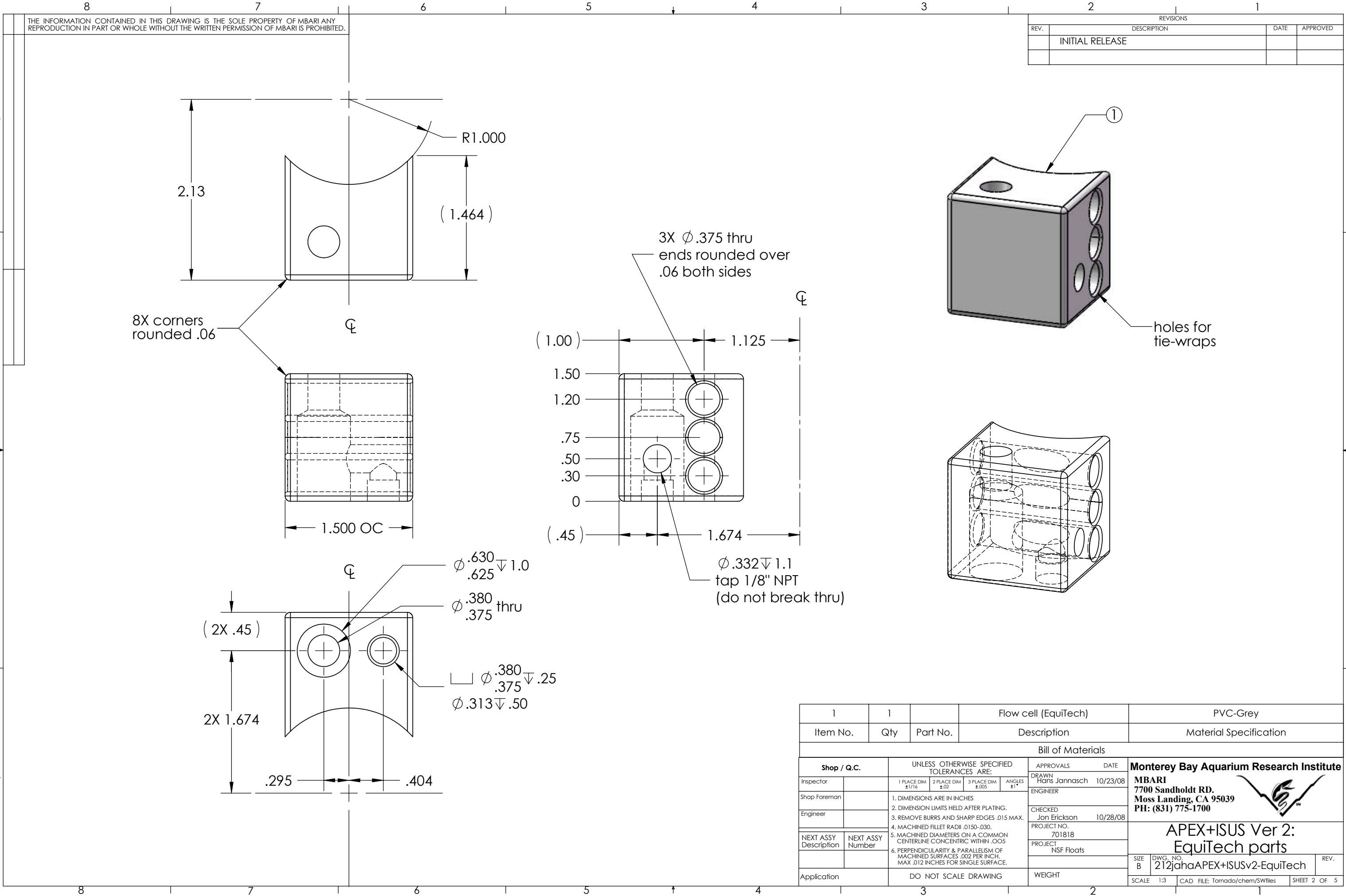
DWG. NO.
212jahaAPEX+ISUSv2-EquiTech

REV.

SCALE 1:3

CAD FILE: Tornado/chem/SWfiles

SHEET 1 OF 5



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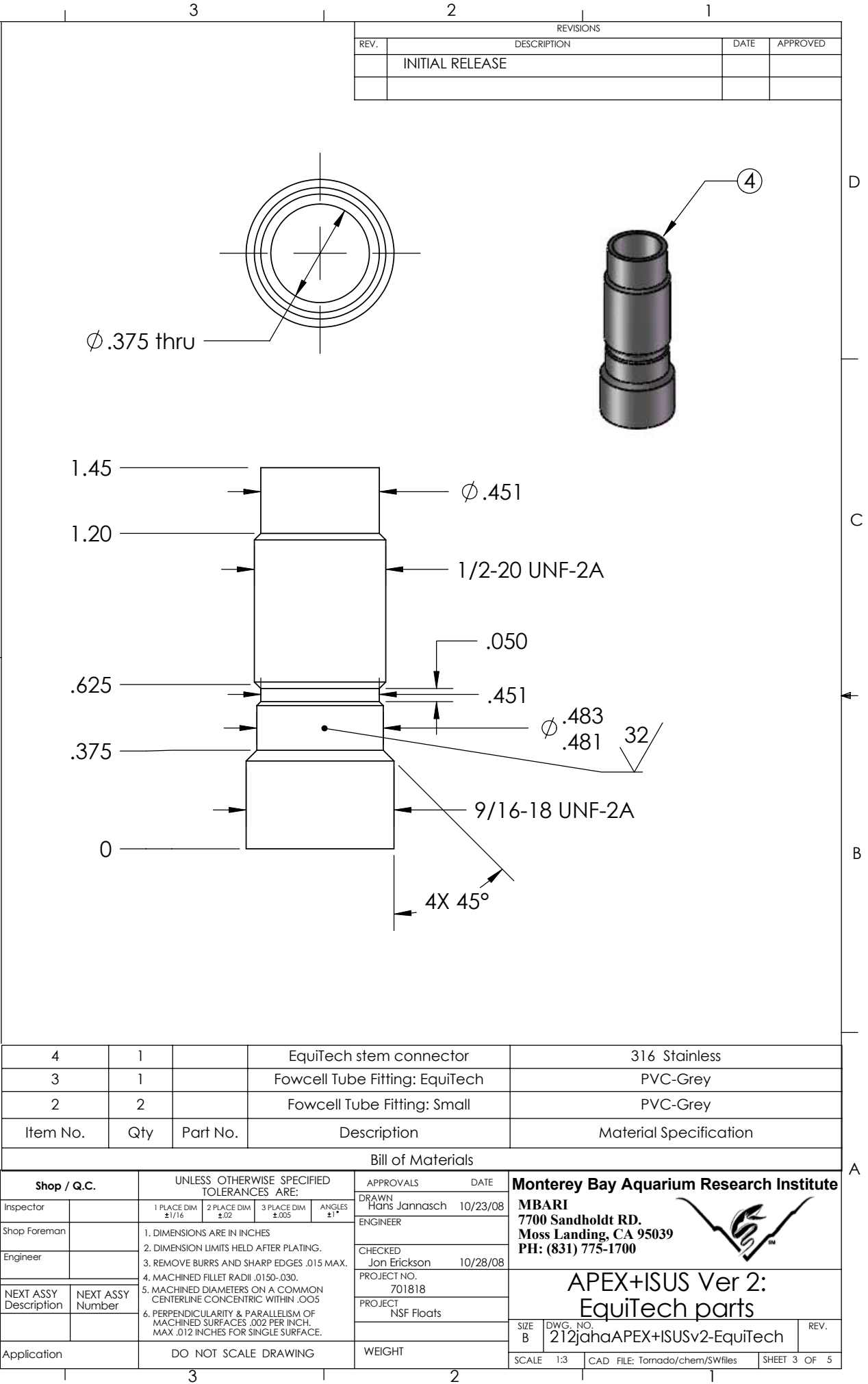
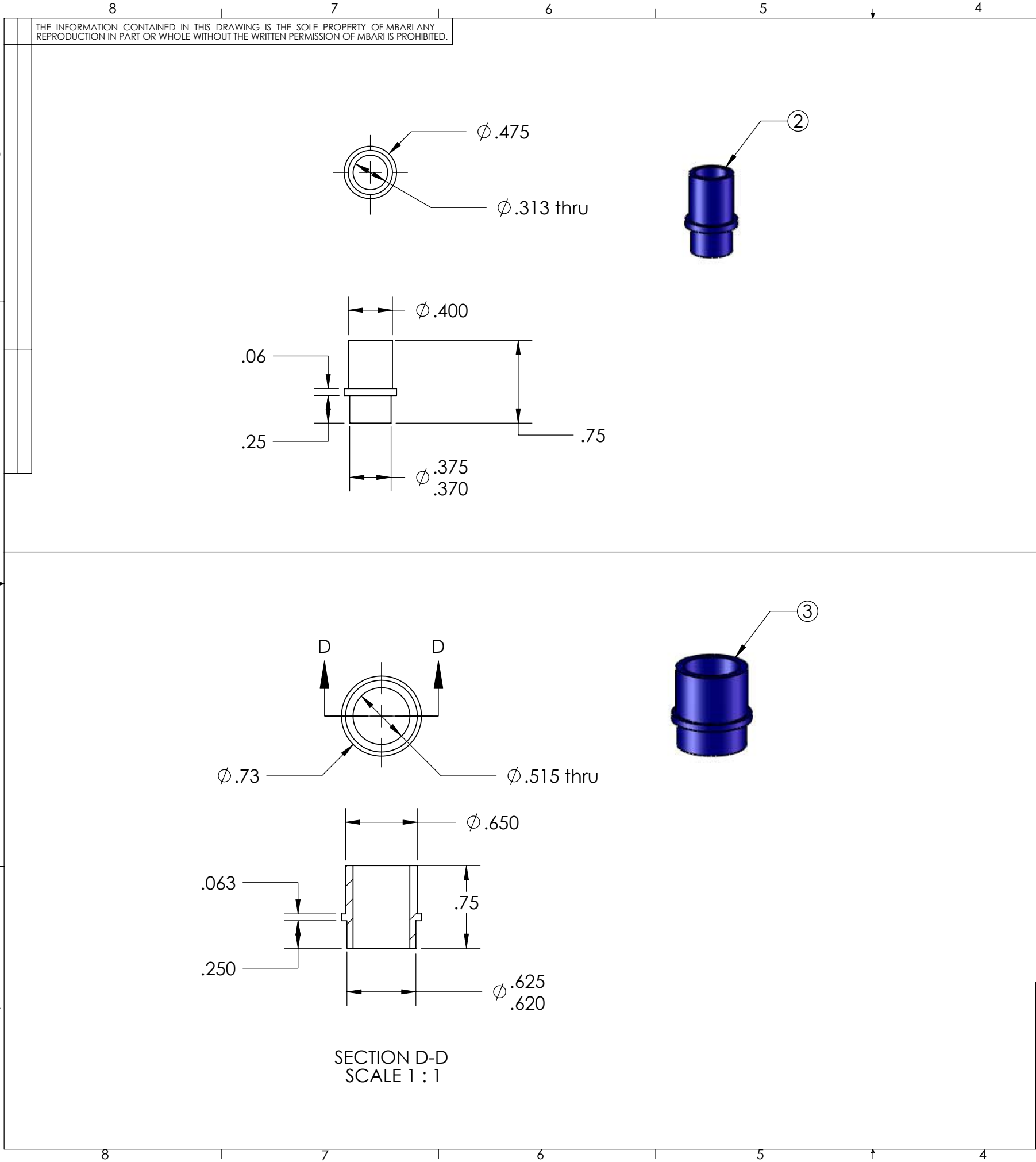
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE		

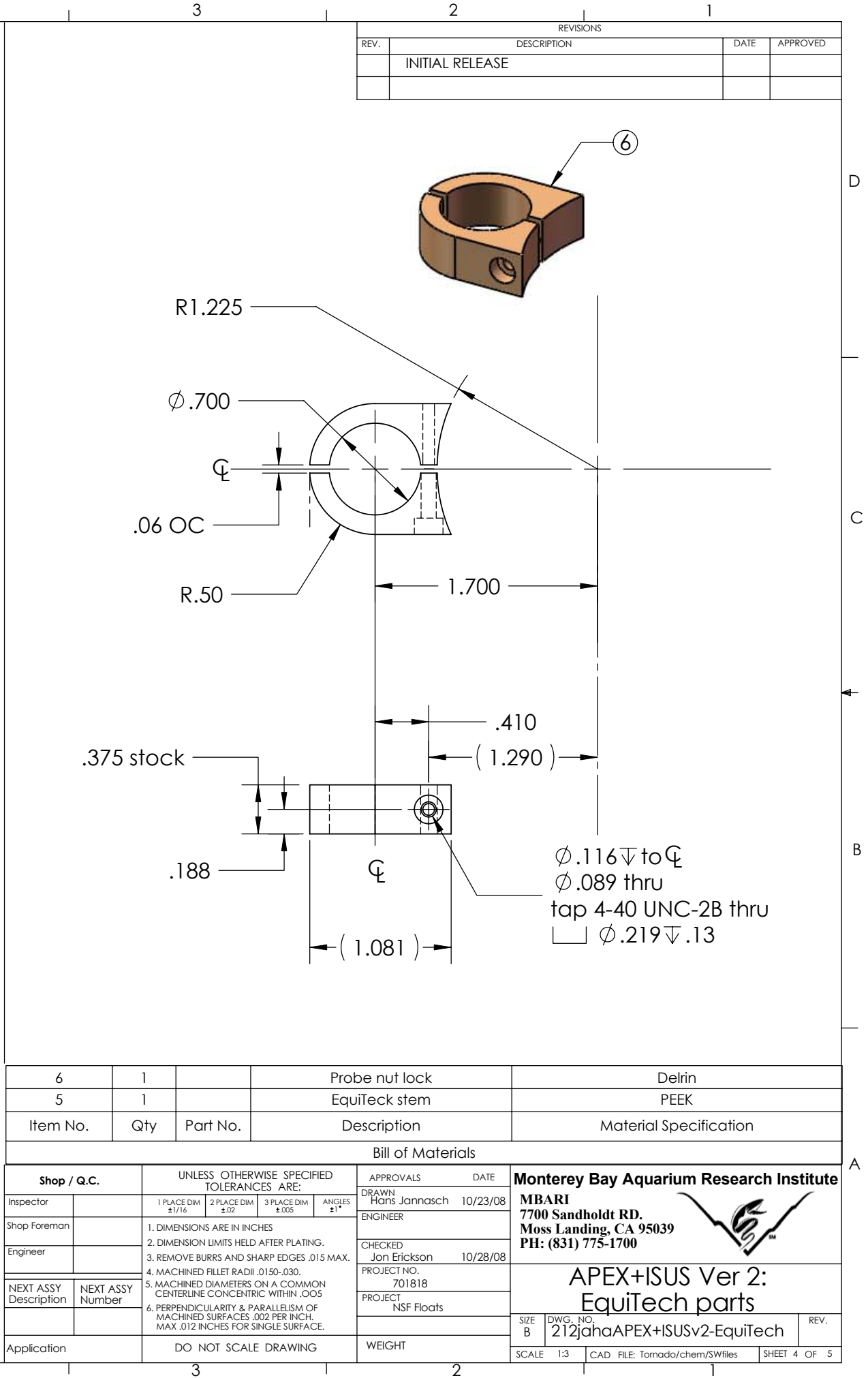
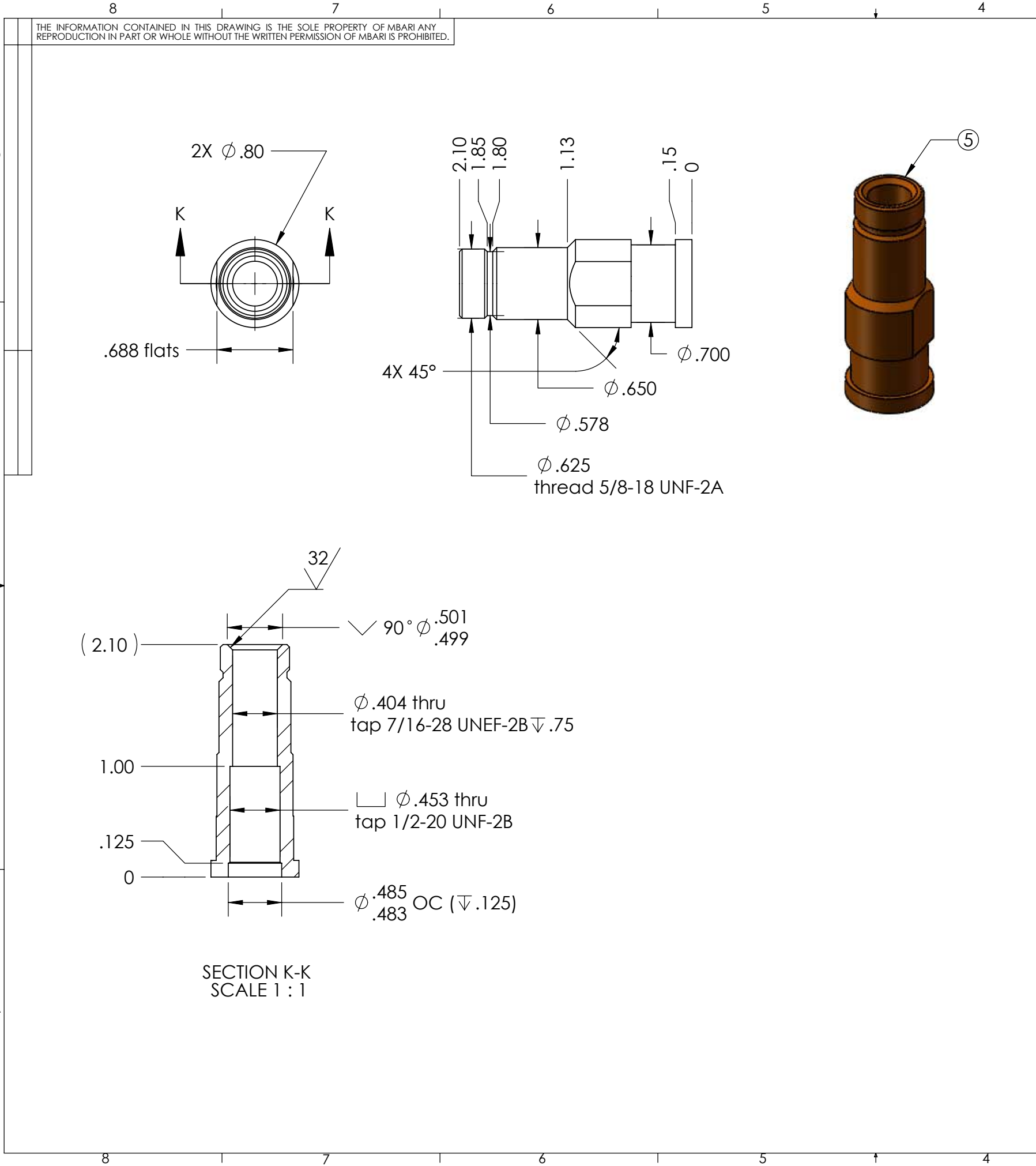
1	1		Flow cell (EquiTech)	PVC-Grey
Item No.	Qty	Part No.	Description	Material Specification
Bill of Materials				
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:		APPROVALS DATE
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005
Shop Foreman		1. DIMENSIONS ARE IN INCHES		
Engineer		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
				</

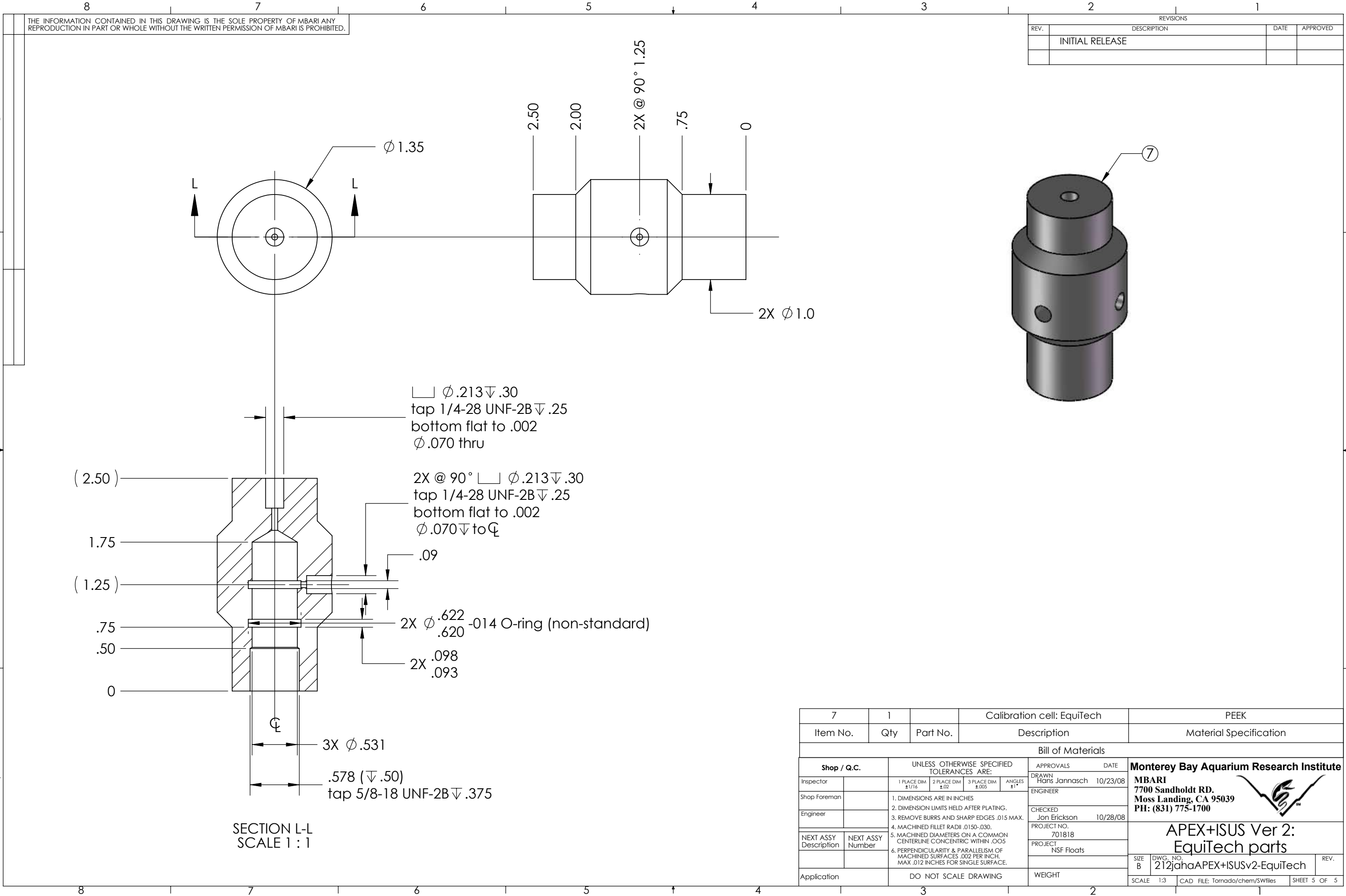
Monterey Bay Aquarium Research Institute
MBARI
7700 Sandholdt RD.
Moss Landing, CA 95039
PH: (831) 775-1700



**APEX+ISUS Ver 2:
EquiTech parts**

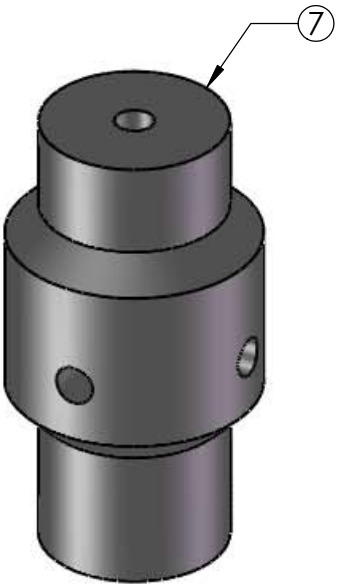






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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE		



SECTION L-L
SCALE 1 : 1

2.50
1.75
(1.25)
.75
.50
0

3X ϕ .531
.578 (∇ .50)
tap 5/8-18 UNF-2B ∇ .375

ϕ .213 ∇ .30
tap 1/4-28 UNF-2B ∇ .25
bottom flat to .002
 ϕ .070 thru

2X @ 90° ϕ .213 ∇ .30
tap 1/4-28 UNF-2B ∇ .25
bottom flat to .002
 ϕ .070 ∇ to ϕ

.09

2X ϕ .622
-014 O-ring (non-standard)
2X .098
.093

ϕ 1.35

2.50
2.00
2X @ 90° 1.25
.75
0

2X ϕ 1.0

7		1		Calibration cell: EquiTech				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	ANGLES ±1°	DRAWN Hans Jannasch		10/23/08	
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		Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700 	
Engineer						CHECKED Jon Erickson			
NEXT ASSY Description	NEXT ASSY Number	PROJECT NO. 701818		PROJECT NSF Floats		APEX+ISUS Ver 2: EquiTech parts SIZE B DWG. NO. 212jahaAPEX+ISUSv2-EquiTech REV.			
Application	DO NOT SCALE DRAWING	WEIGHT		SCALE 1:3					

Monterey Bay Aquarium Research Institute
MBARI
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APEX+ISUS Ver 2:
EquiTech parts