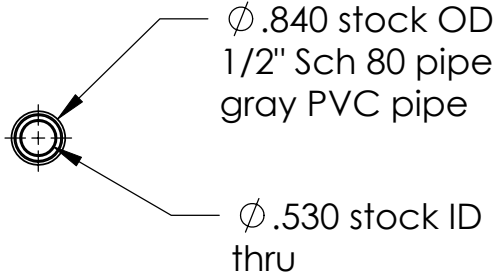
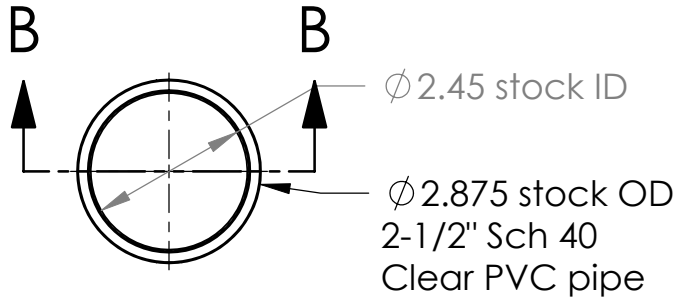
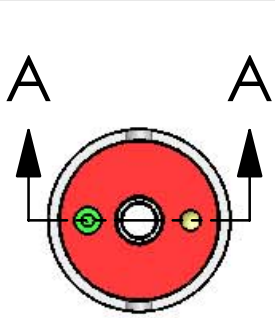


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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE		
A	For Manufacture	7/7/09	hwj

D
C
B
A

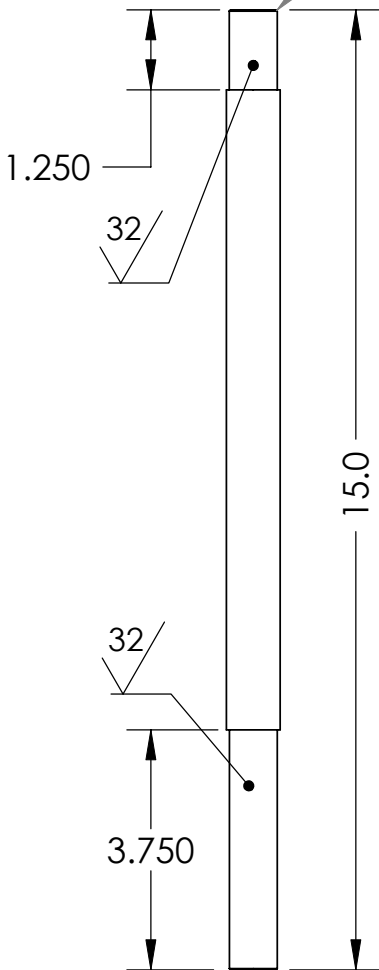
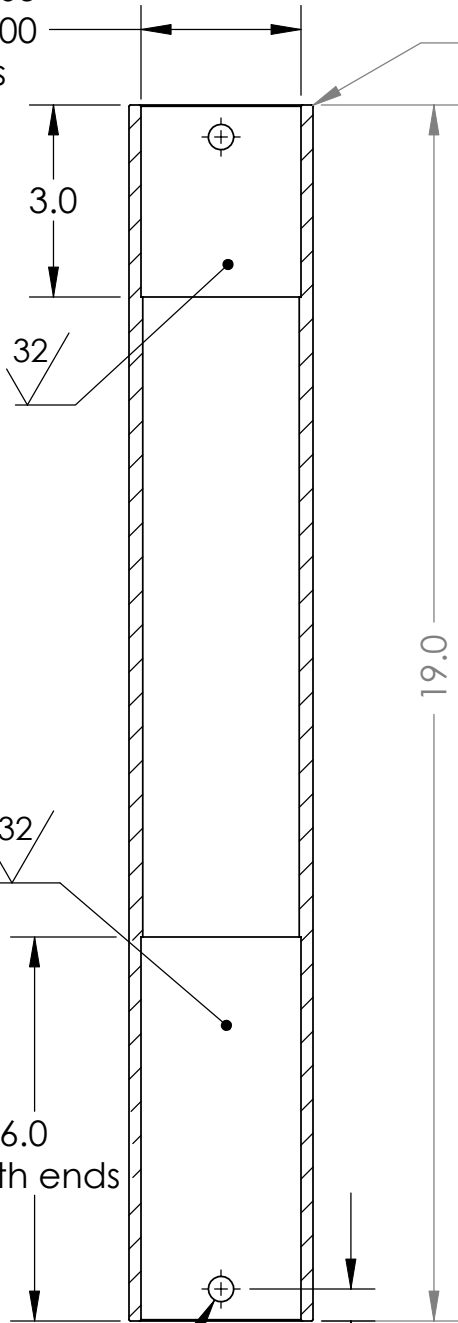
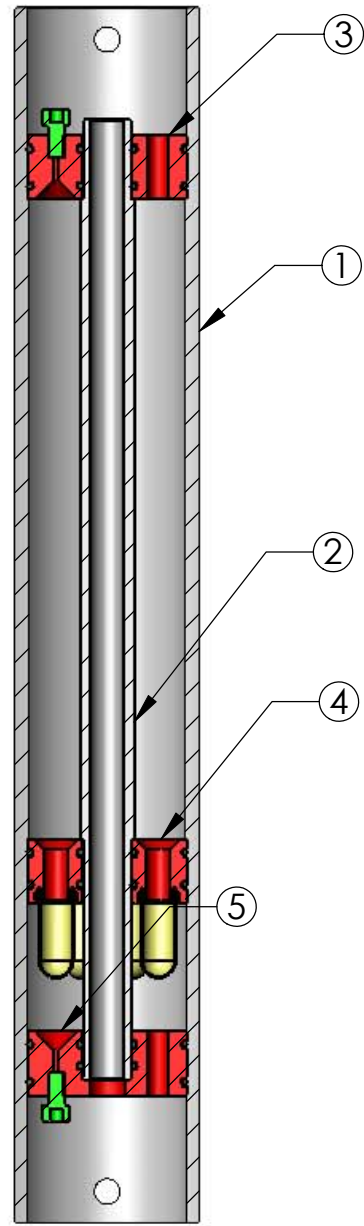
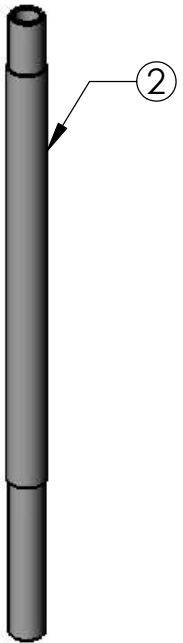
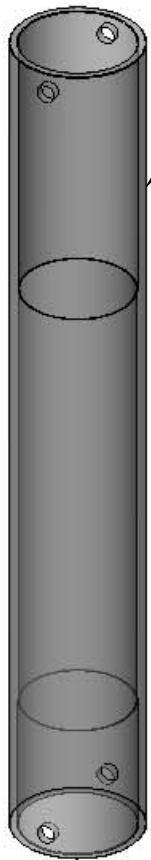
D
C
B
A



2X ϕ 2.505
2.500
both ends

4X .02 X 45°
in and outside
both ends

4X .02 X 45°
in and outside
both ends



O-Rings:
Inside: -116
Outside: -141
Membrane: -014

5	1		OS pump Bottom	1" PVC plate
4	1		OS pump Middle	1" PVC plate
3	1		OS pump Top	1" PVC plate
2	1		OS pump core	1/2" Sch 80 Gray PVC pipe
1	1		OS pump housing	2-1/2" Sch 40 Clear PVC pipe
Item No.	Qty	Part No.	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	06/12/09		MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700	
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				
						PROJECT NO.				
NEXT ASSY Description	NEXT ASSY Number					PROJECT	NSF OsmoSamplers	PVC OsmoSampler Pumps (for Juan de Fuca 2009)		
Application		DO NOT SCALE DRAWING				WEIGHT		SIZE B	DWG. NO. 231jaha-pvcOS-JdF-2009	REV. A
								SCALE 1:3	CAD FILE: Tornado/chem/SWfiles	SHEET 1 OF 2

SECTION A-A
SCALE 1 : 3

ASSEMBLY SECTION

4X @ 180° ϕ .397 thru
both ends

SECTION B-B
SCALE 1 : 3

4X .500
both ends

2X ϕ .750
.748
both ends

8

7

6

5

4

3

2

1

