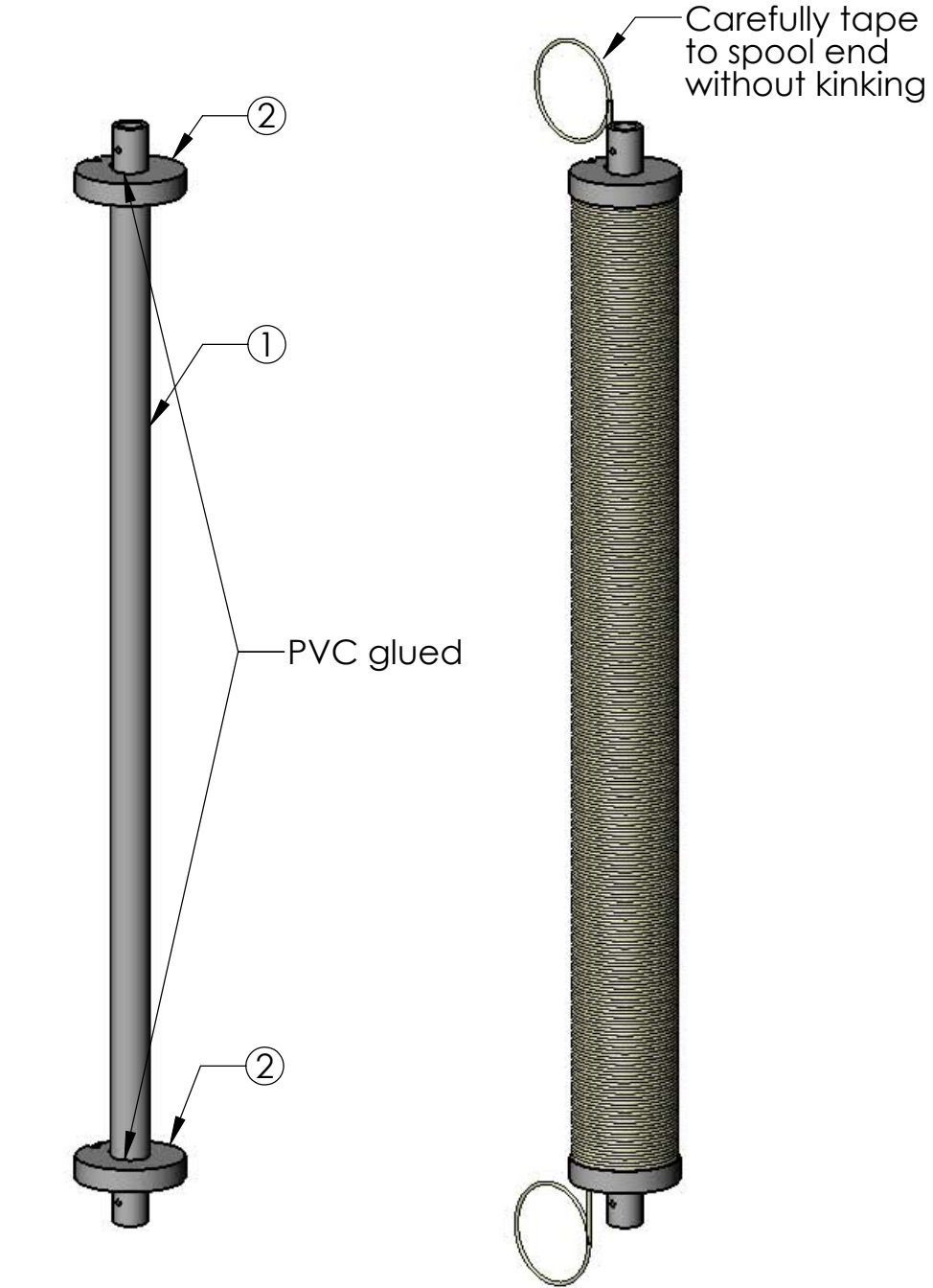


THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF MBARI. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF MBARI IS PROHIBITED.

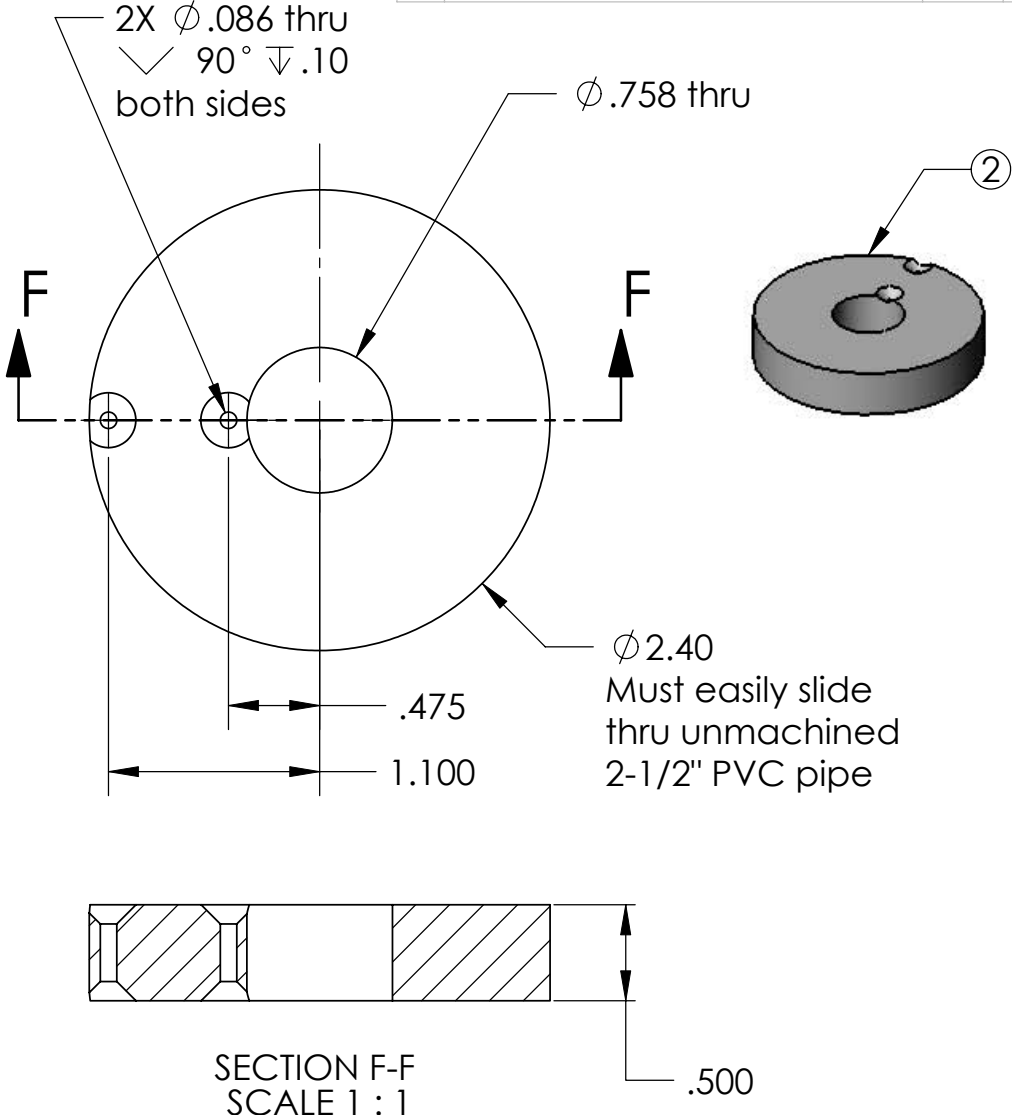
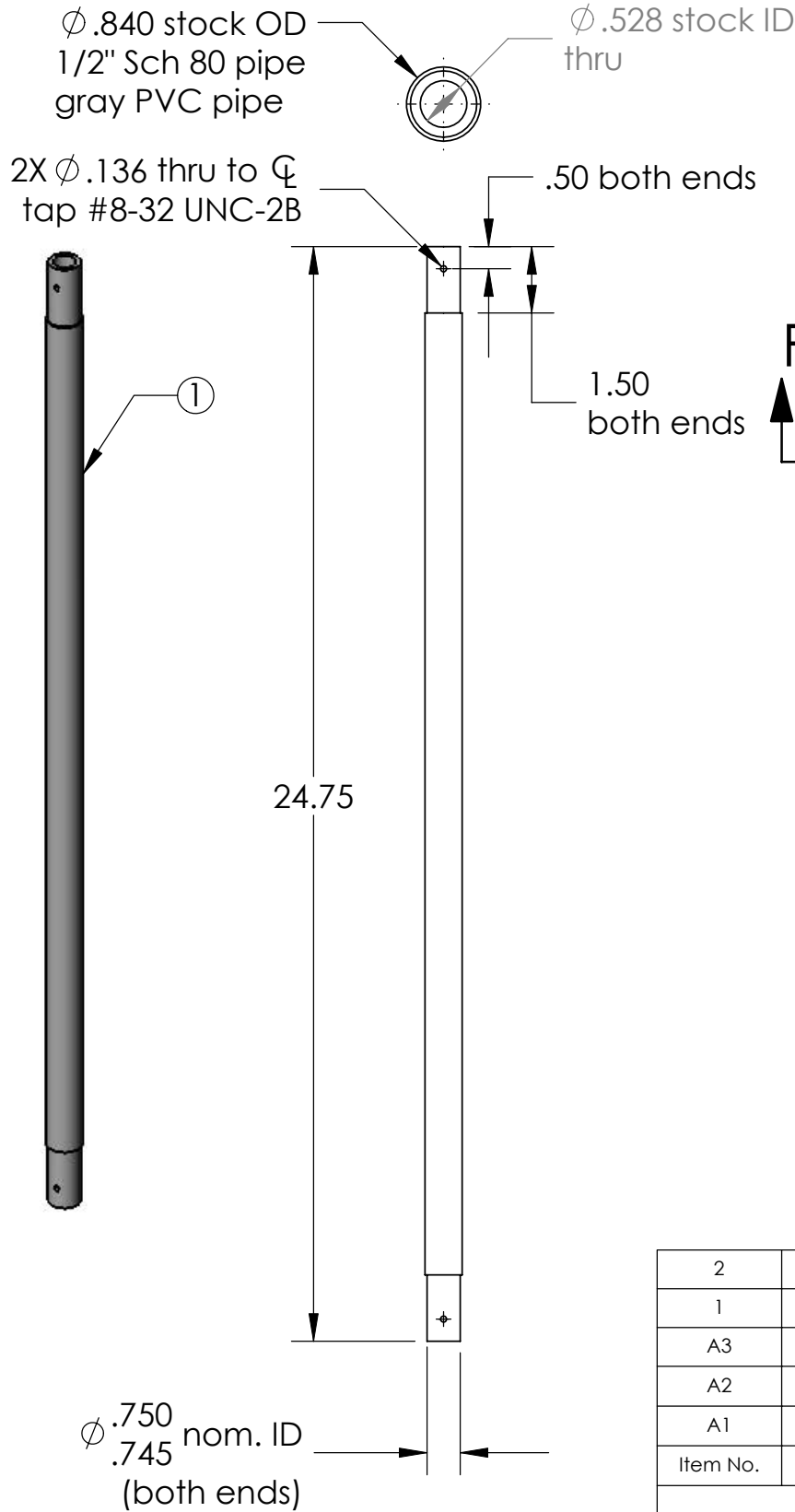
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE		
A	For manufacture	7/7/09	hwj

D
C
B
A



Sample Spool (A1)
PVC-glued spool
Holes in ends clocked
~90° to holes in core

Sample Coil Assembly (A2 and A3)
Sample spool wrapped with
~1000 ft of .047" ID either
Teflon tubing (A2) or
Copper tubing (A3)
Coils should have 9 layers with ~2 to 3 ft
exposed at each end.
Tubing should not be stretched,
kinked or otherwise damaged.



SECTION F-F
SCALE 1 : 1

2	2/sp		OS spool end	1/2" PVC plate
1	1/sp		OS spool core	1/2" Sch 80 Gray PVC pipe
A3	1		OS Copper Sample Coil	wound with ~1000 ft of .082/.047 OD/ID copper tubing
A2	1		OS Teflon Sample Coil	wound with ~1000 ft of .082/.047 OD/ID Teflon tubing
A1	1		OS sample spool	Assembly rigidly glued
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							
NEXT ASSY Description	NEXT ASSY Number					PROJECT NO.							
						PROJECT	NSF OsmoSamplers						
Application		DO NOT SCALE DRAWING				WEIGHT				PVC OsmoSampler Coils (for Juan de Fuca 2009)			
										SIZE B	DWG. NO. 232jaha-pvcOS-JdF-2009	REV. A	
										SCALE 1:3	CAD FILE: Tornado/chem/SWfiles	SHEET 1 OF 1	