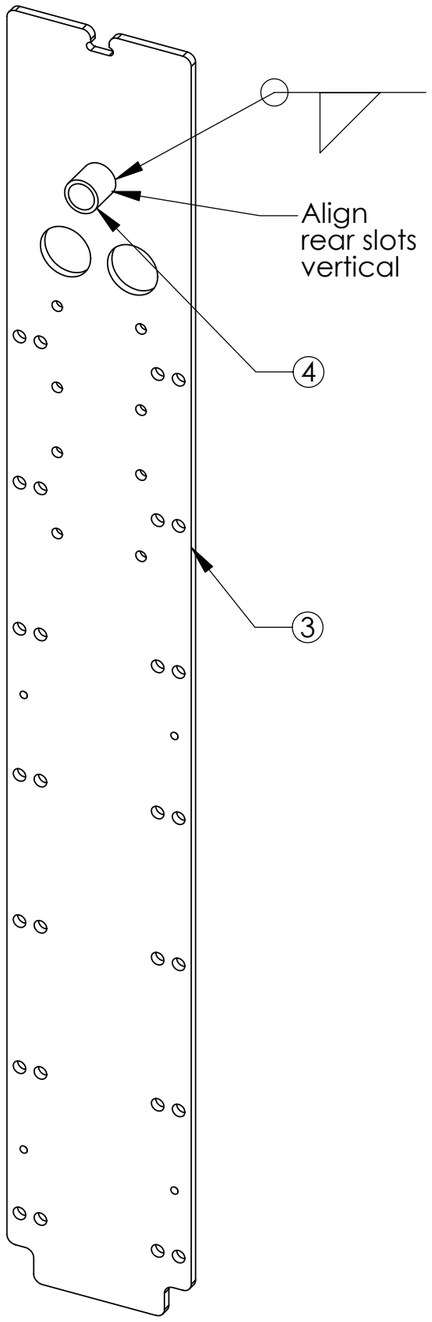
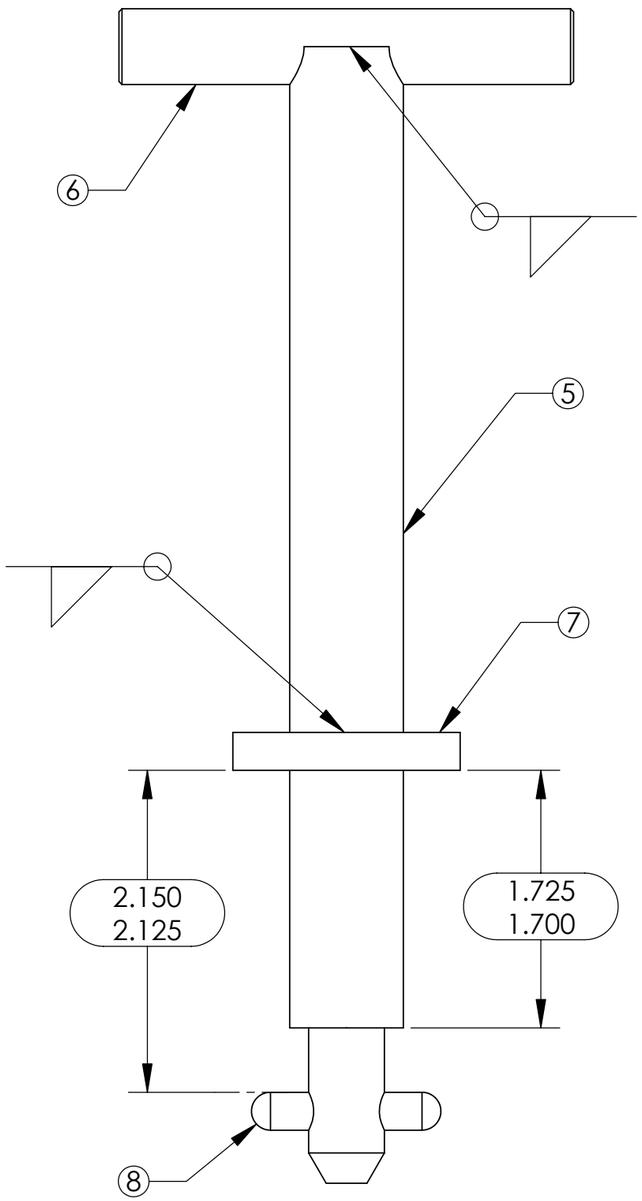
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE		

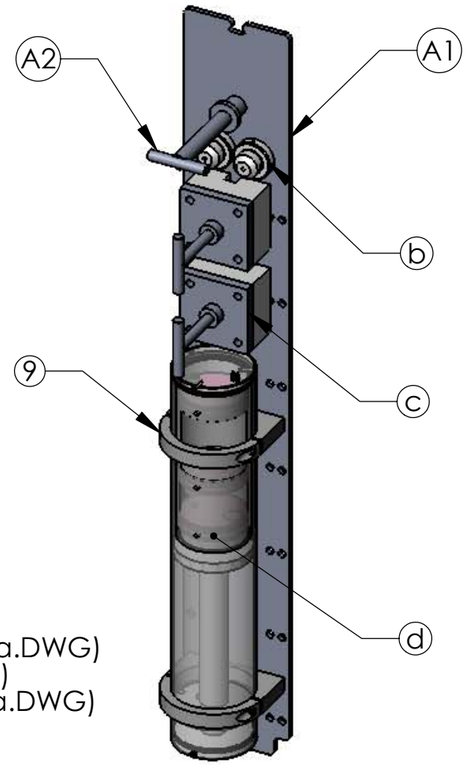


OsmoSampler Plate (Welded Assembly)



Lock Handle (Welded Assembly)

NOTE: T-handle Pin(p8) will be field installed



Other parts include:
b: Fluid Connections (152jaha.DWG)
c: Mini Valves (150jaha.DWG)
d: 4in OsmoSampler (157jaha.DWG)

Seafloor OsmoSampler Assembly

Item No.	Qty.	Part No.	Description	Material Specification
9	2@		OsmoSampler Bracket	Delrin or PVC
8	1@		T-handle pin	Type 316 Stainless steel
7	1@		T-handle stop	Type 316 Stainless steel
6	1@		T-handle end	Type 316 Stainless steel
5	1@		T-handle shaft	Type 316 Stainless steel
4	1@		Guide	Type 316 Stainless steel
3	1@		Mounting Plate	Type 316 Stainless steel
A2	P5-7		Lock Handle (welded assy)	Welded Assy
A1	P3-4		OsmoSampler Plate (welded assy)	Welded Assy

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	5/10/04
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 .OO5 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.	701145
				PROJECT	Juan de Fuca NSF Grant
Application		DO NOT SCALE DRAWING		WEIGHT	

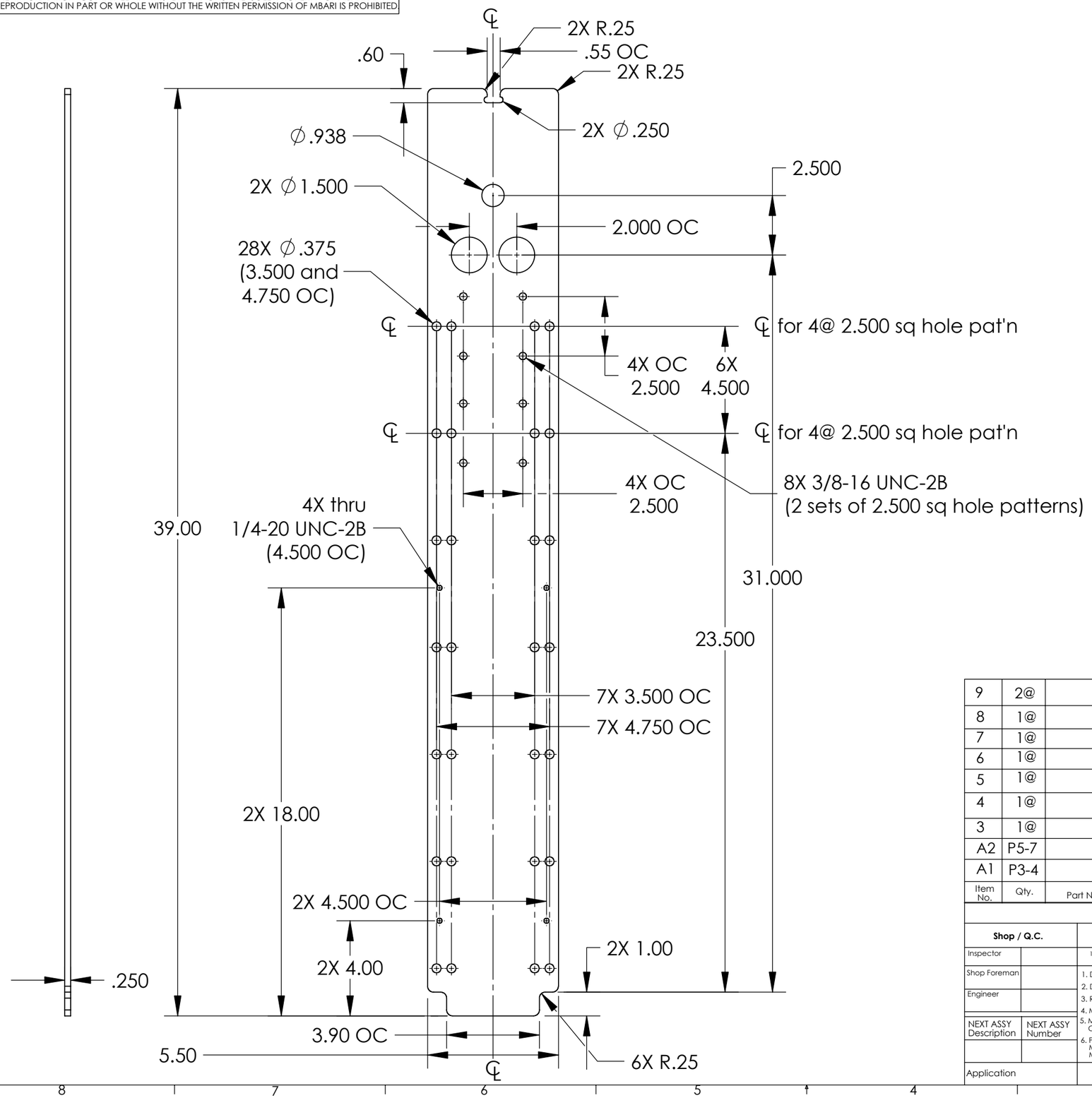
Monterey Bay Aquarium Research Institute
MBARI
7700 Sandholdt RD.
Moss Landing, CA 95039
PH: (831) 775-1700

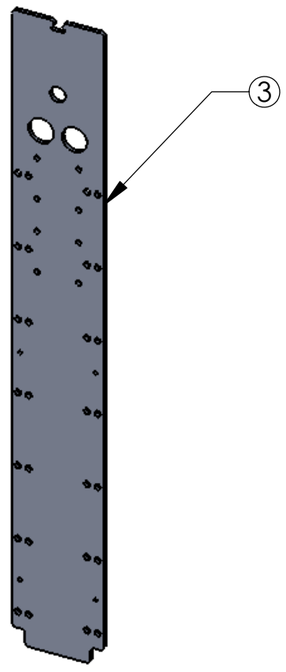
153jahaSeafloorOsmoPlate

Seafloor OsmoSampler Plate

SIZE	DWG. NO.	REV.
B	153jaha.DWG	
SCALE 1:2	CAD FILE: tornado/chem/SWfiles	SHEET 1 OF 4

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE		





Item No.	Qty.	Part No.	Description	Material Specification
9	2@		OsmoSampler Bracket	Delrin or PVC
8	1@		T-handle pin	Type 316 Stainless steel
7	1@		T-handle stop	Type 316 Stainless steel
6	1@		T-handle end	Type 316 Stainless steel
5	1@		T-handle shaft	Type 316 Stainless steel
4	1@		Guide	Type 316 Stainless steel
3	1@		Mounting Plate	Type 316 Stainless steel
A2	P5-7		Lock Handle (welded assy)	Welded Assy
A1	P3-4		OsmoSampler Plate (welded assy)	Welded Assy

BILL OF MATERIALS

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	5/10/04
ENGINEER	
CHECKED	
PROJECT NO. 701145	
PROJECT Juan de Fuca NSF Grant	
WEIGHT	

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

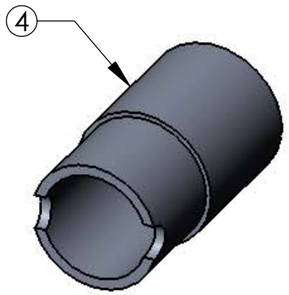
153jahaSeafloorOsmoPlate

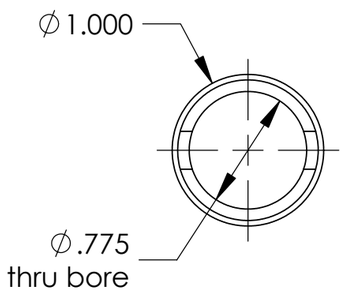
Seafloor OsmoSampler Plate

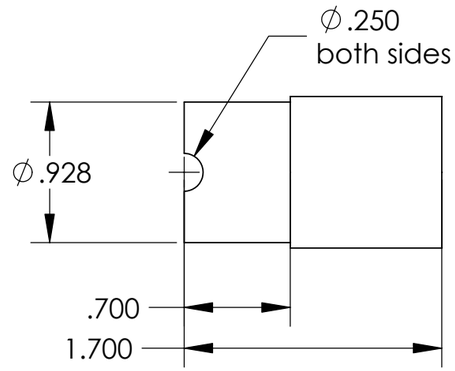
SIZE	DWG. NO.	REV.
B	153jaha.DWG	

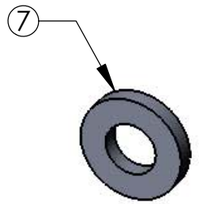
SCALE 1:12	CAD FILE: tornado/chem/SWfiles	SHEET 2 OF 4

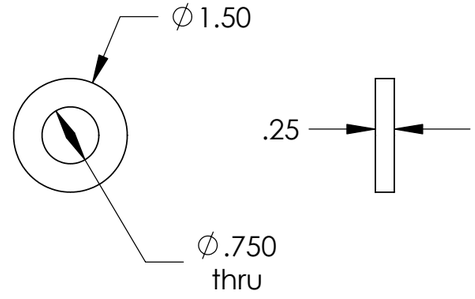
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE		

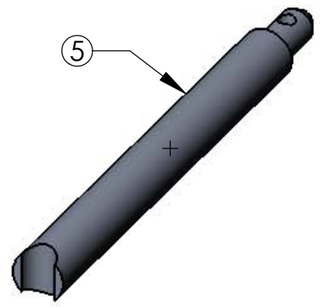


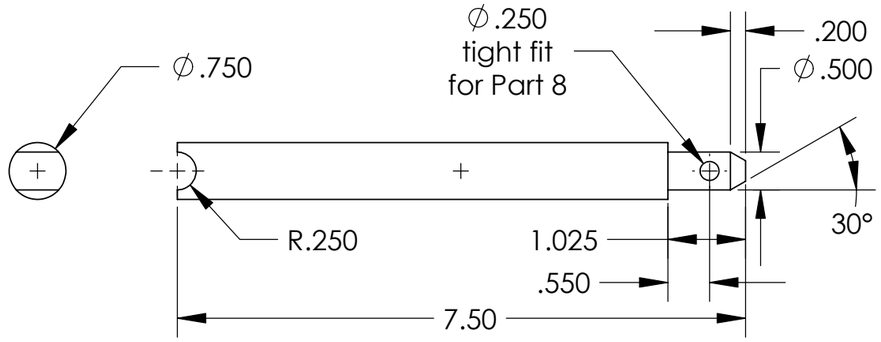


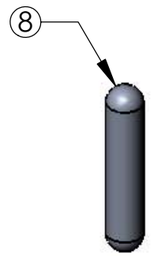


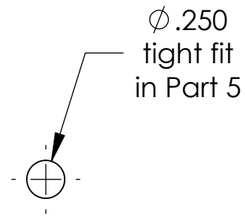


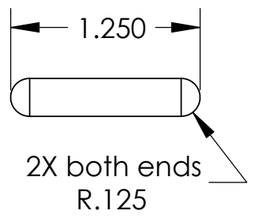


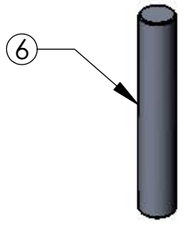


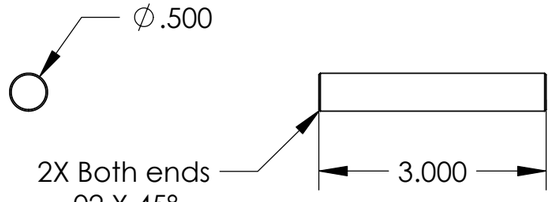












Item No.	Qty.	Part No.	Description	Material Specification
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8	1@		T-handle pin	Type 316 Stainless steel
7	1@		T-handle stop	Type 316 Stainless steel
6	1@		T-handle end	Type 316 Stainless steel
5	1@		T-handle shaft	Type 316 Stainless steel
4	1@		Guide	Type 316 Stainless steel
3	1@		Mounting Plate	Type 316 Stainless steel
A2	P5-7		Lock Handle (welded assy)	Welded Assy
A1	P3-4		OsmoSampler Plate (welded assy)	Welded Assy

BILL OF MATERIALS

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
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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	5/10/04
ENGINEER	
CHECKED	
PROJECT NO. 701145	
PROJECT Juan de Fuca NSF Grant	
WEIGHT	

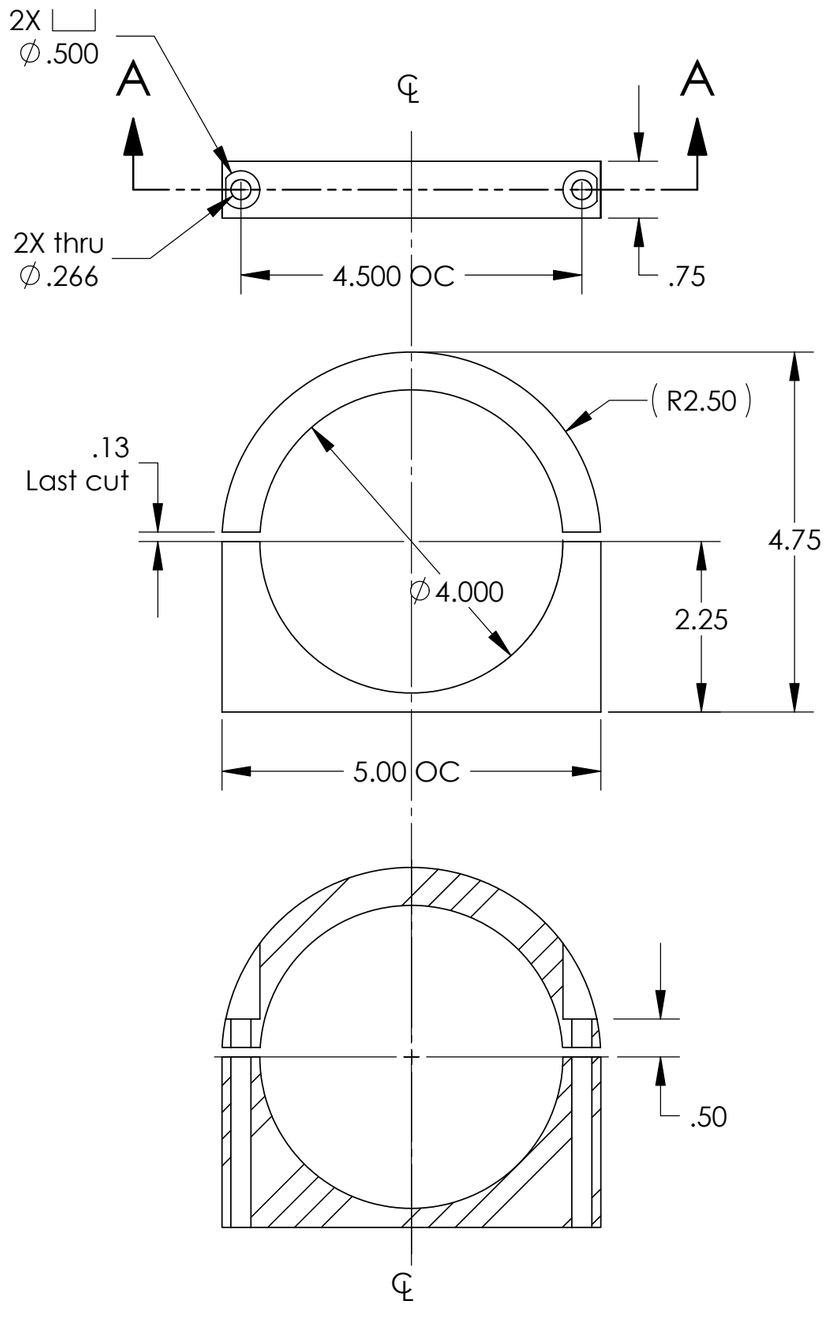
Monterey Bay Aquarium Research Institute
MBARI
7700 Sandholdt RD.
Moss Landing, CA 95039
PH: (831) 775-1700

153jahaSeafloorOsmoPlate

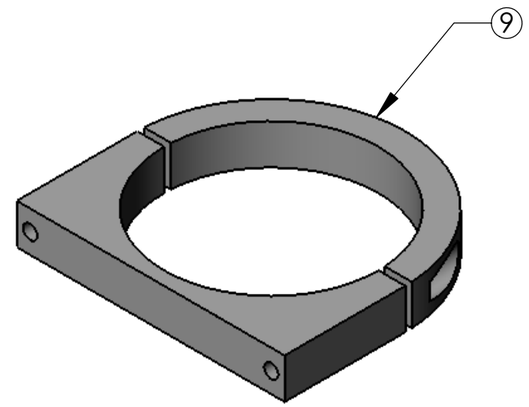
Seafloor OsmoSampler Plate

SIZE	DWG. NO.	REV.
B	153jaha.DWG	
SCALE 4:1	CAD FILE: tornado/chem/SWfiles	SHEET 3 OF 4

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE		



SECTION A-A



Item No.	Qty.	Part No.	Description	Material Specification
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BILL OF MATERIALS

Shop / Q.C.		NEXT ASSY Description	NEXT ASSY Number
Inspector			
Shop Foreman			
Engineer			
Application			

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DO NOT SCALE DRAWING

APPROVALS	DATE
DRAWN Hans Jannasch	5/10/04
ENGINEER	
CHECKED	
PROJECT NO. 701145	
PROJECT Juan de Fuca NSF Grant	
WEIGHT	

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

153jahaSeafloorOsmoPlate

Seafloor OsmoSampler Plate

SIZE	DWG. NO.	REV.
B	153jaha.DWG	

SCALE 1:2	CAD FILE: tornado/chem/SWfiles	SHEET 4 OF 4