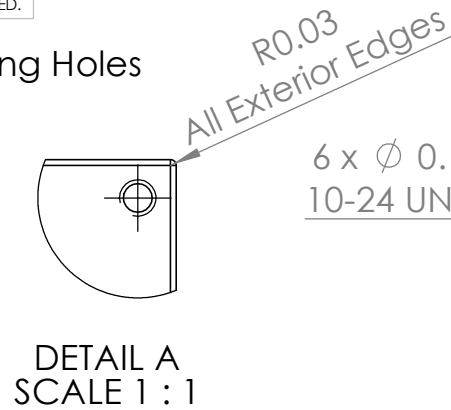
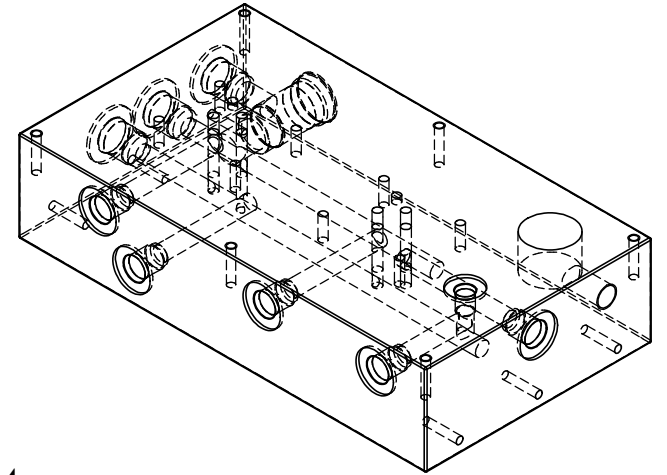
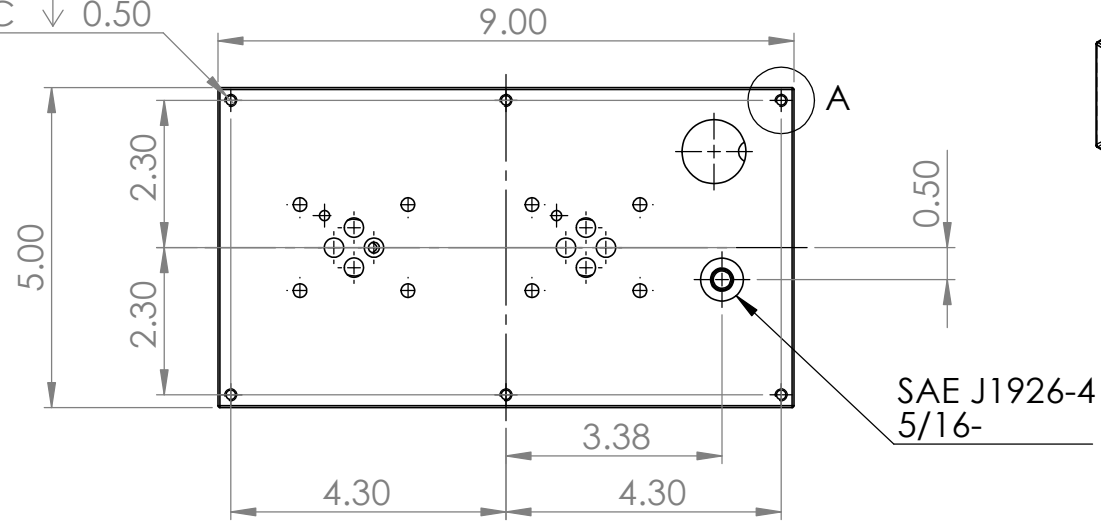


THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF MBARI ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF MBARI IS PROHIBITED.

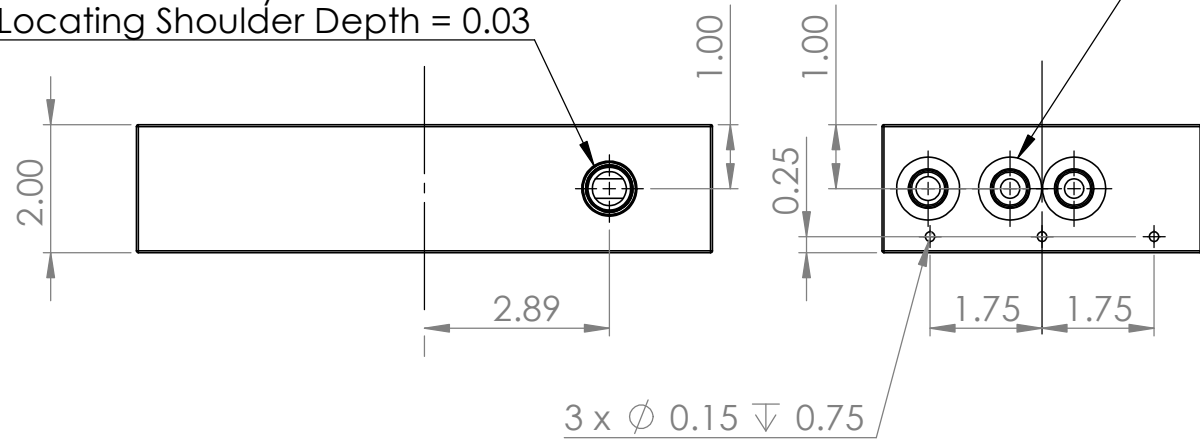
Sheet 1: External Ports, Cavities, Mounting Holes



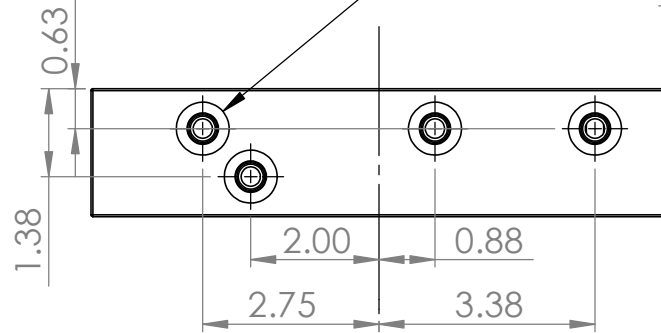
6 x $\varnothing$ 0.15 ∇ 0.75
10-24 UNC ∇ 0.50



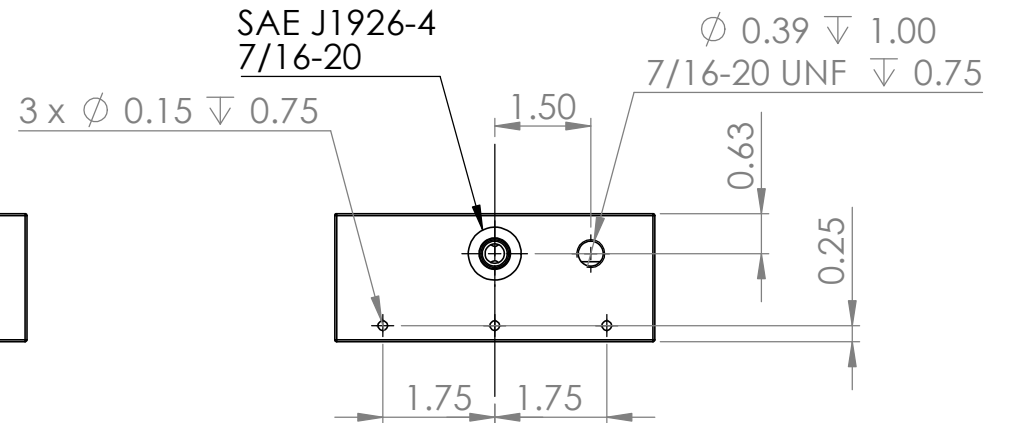
Sun T-13A Cavity
Locating Shoulder Depth = 0.03



SAE J1926-4
7/16-20 (X3)



SAE J1926-4
7/16-20 (X4)



7) Material 6061Al - T6

8) Finish: Hard Black Anodize in Accordance with MIL-A-8625F Type III (0.001 Thick)
Teflon Seal Coat. Mask as shown on Sheet 3.

Sheet 1: External Ports, Cavities, Mounting Holes
Sheet 2: Internal Ports

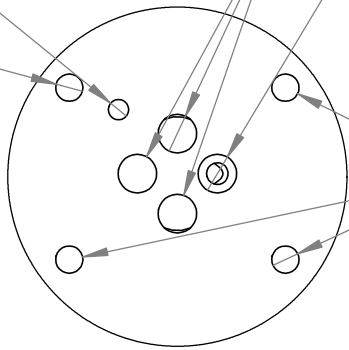
BILL OF MATERIALS

Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS	DATE	Monterey Bay Aquarium Research Institute		
Inspector		1 PLACE DIM $\pm 1/16$	2 PLACE DIM $\pm .02$	3 PLACE DIM $\pm .005$	ANGLES $\pm 1^\circ$	DRAWN	NAME	9/27/00	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	NAME	9/27/00		
Engineer						CHECKED				
NEXT ASSY Description	NEXT ASSY Number					PROJECT NO.	XXX		S03 - Manifold	
						PROJECT	ZZZZZZZZ			
Application		DO NOT SCALE DRAWING				WEIGHT			SIZE B	DWG. NO. 100XXWDWG - S03
									SCALE 1:2	CAD FILE: MECH ENG ON TORNADO
										SHEET 3 OF 4

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.

2 x $\varnothing$ 0.16 ∇ 0.13

$\varnothing$ 0.21 ∇ 0.61
10-32 UNF ∇ 0.38

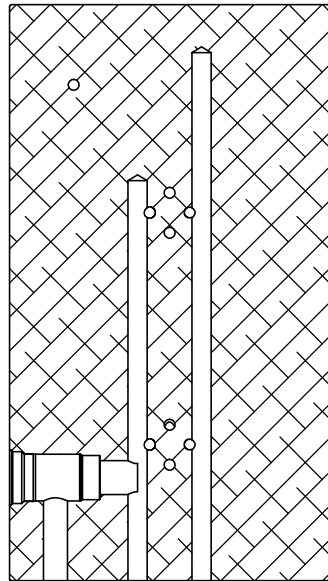


DETAIL E
SCALE 2 : 3

$\varnothing$ 0.30 ∇ 1.13

$\varnothing$ 0.30 ∇ 1.13

$\varnothing$ 0.21 ∇ 0.61
10-32 UNF ∇ 0.38

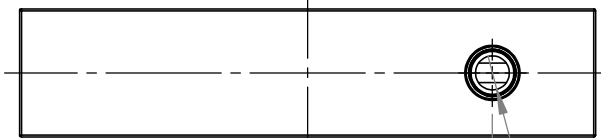


SECTION C-C
SCALE 1 : 3

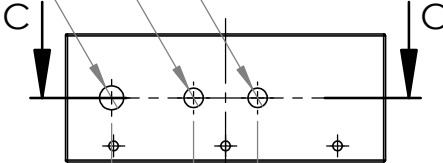
$\varnothing$ 0.30 ∇ 8.25

$\varnothing$ 0.30 ∇ 6.25

$\varnothing$ 0.38 ∇ 1.50



$\varnothing$ 0.53 THRU

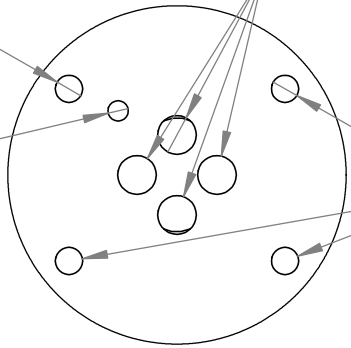


1.78
0.50

$\varnothing$ 0.21 ∇ 0.61
10-32 UNF ∇ 0.38

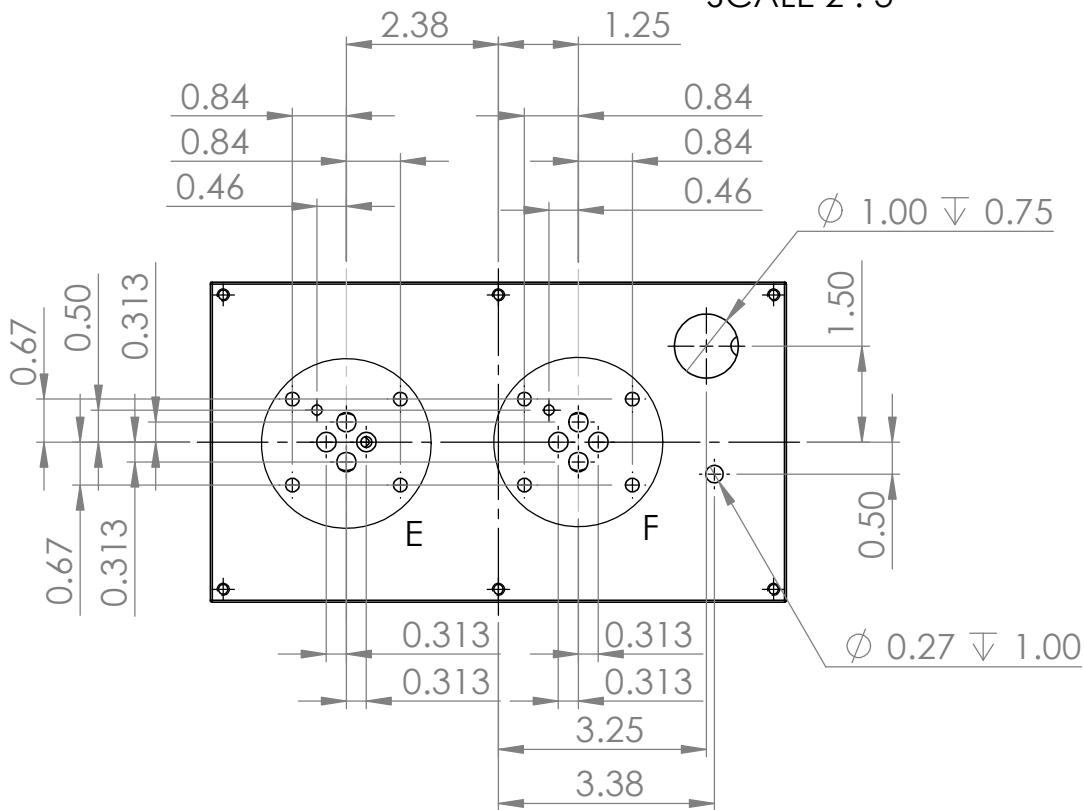
$\varnothing$ 0.30 ∇ 1.13

$\varnothing$ 0.16 ∇ 0.13

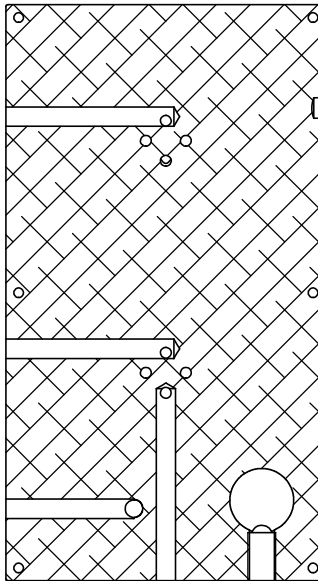


DETAIL F
SCALE 2 : 3

$\varnothing$ 0.21 ∇ 0.61
10-32 UNF ∇ 0.38



SECTION D-D
SCALE 1 : 3

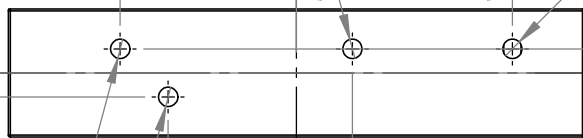


$\varnothing$ 0.30 ∇ 2.63

$\varnothing$ 0.30 ∇ 2.00

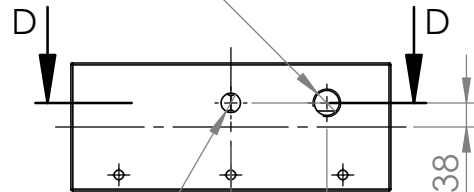
2 x $\varnothing$ 0.30 ∇ 2.63

2 x $\varnothing$ 0.30 ∇ 2.63



2.75
0.88

$\varnothing$ 0.39 ∇ 1.00
7/16-20 UNF ∇ 0.75



$\varnothing$ 0.30 ∇ 3.00

1.50
0.38

BILL OF MATERIALS

Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS	DATE	Monterey Bay Aquarium Research Institute		
Inspector		1 PLACE DIM $\pm 1/16$	2 PLACE DIM $\pm .02$	3 PLACE DIM $\pm .005$	ANGLES $\pm 1^\circ$	DRAWN	NAME	9/27/00	MBARI	
Shop Foreman		1. DIMENSIONS ARE IN INCHES				ENGINEER	NAME	9/27/00	7700 Sandholdt RD.	
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING.				CHECKED			Moss Landing, CA 95039	
NEXT ASSY Description		3. REMOVE BURRS AND SHARP EDGES .015 MAX.				PROJECT NO.	XXX		PH: (831) 775-1700	
NEXT ASSY Number		4. MACHINED FILLET RADII .0150-.030.				PROJECT	ZZZZZZZZ		S03 - Manifold	
Application		5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005				WEIGHT			100XXWDWG - S03	
		6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.				SCALE	1:2		SHEET 4 OF 4	
		DO NOT SCALE DRAWING				CAD	FILE: MECH ENG ON TORNADO			