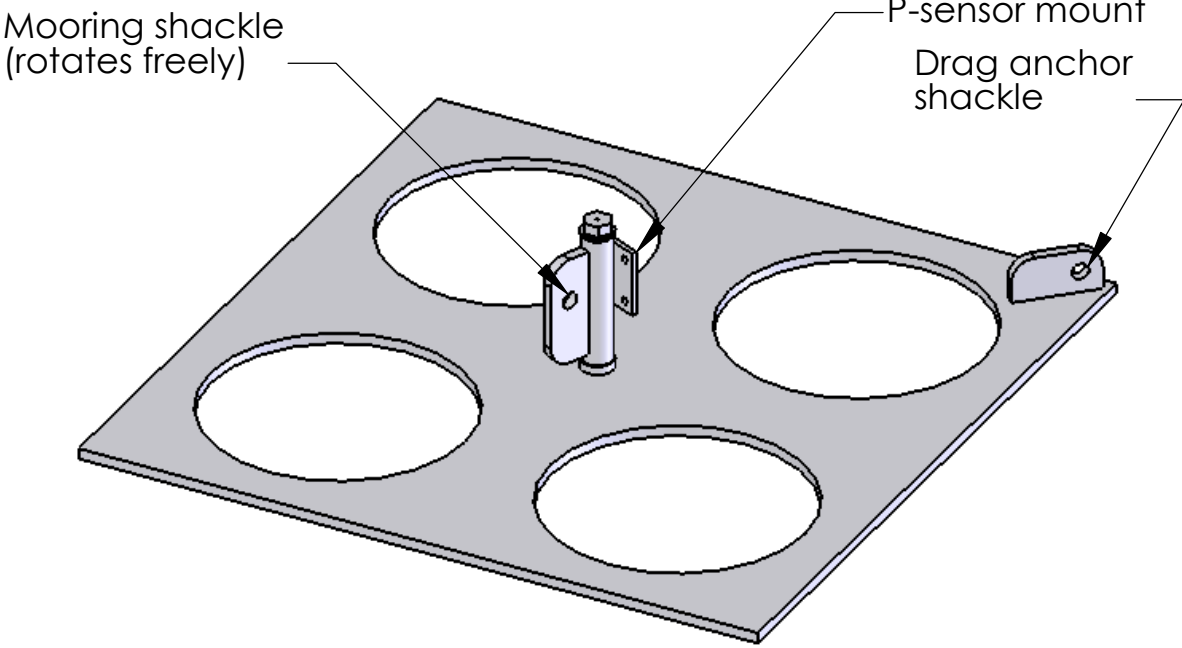
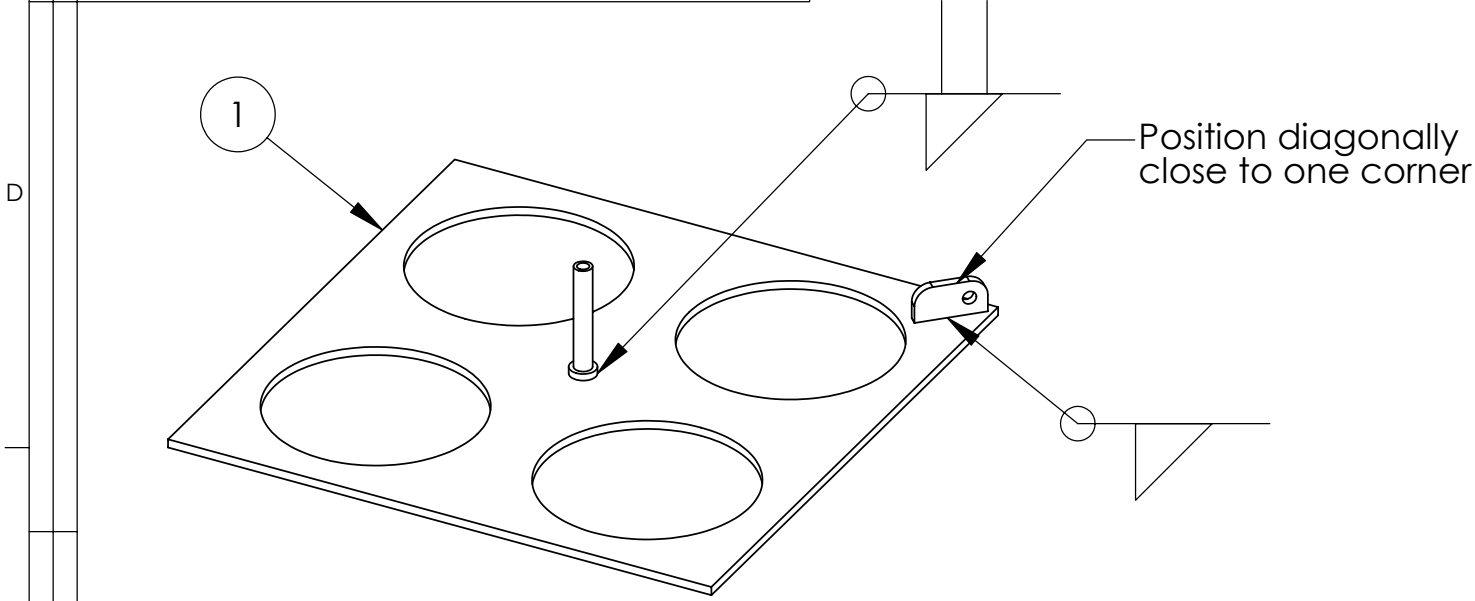


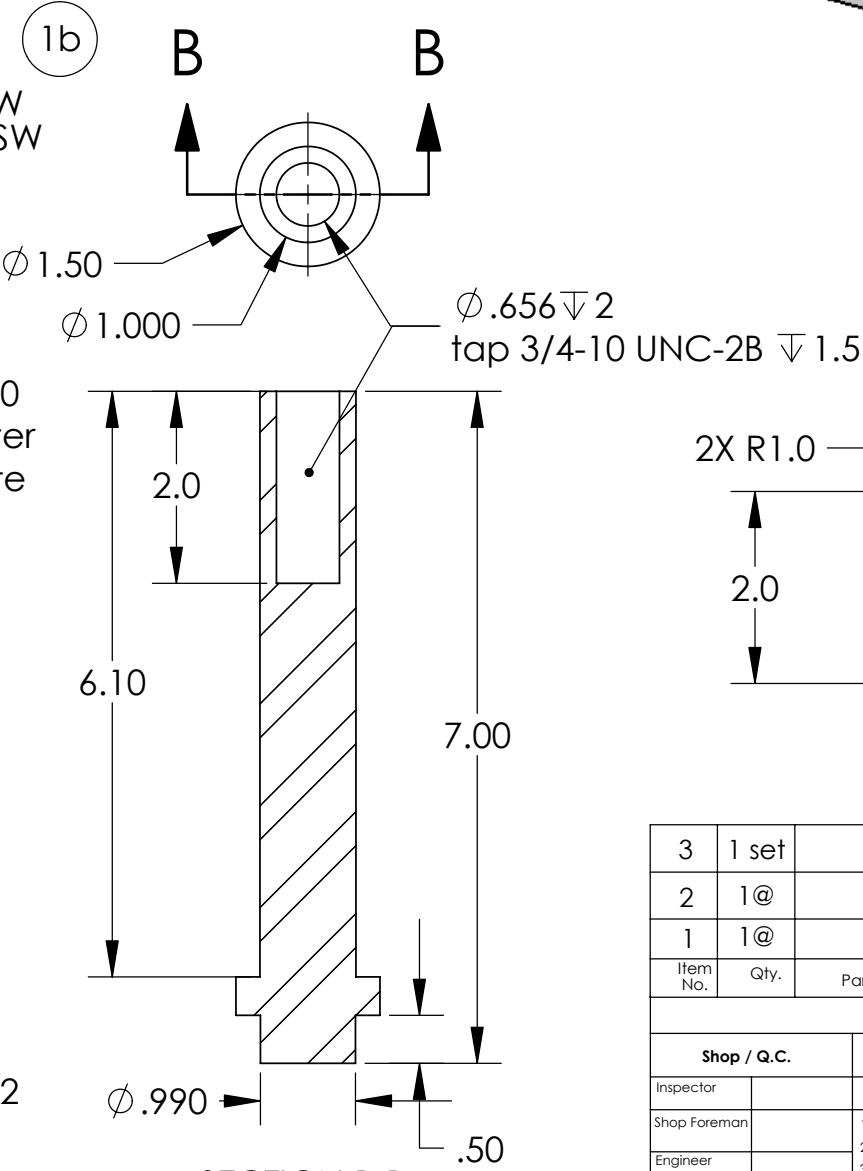
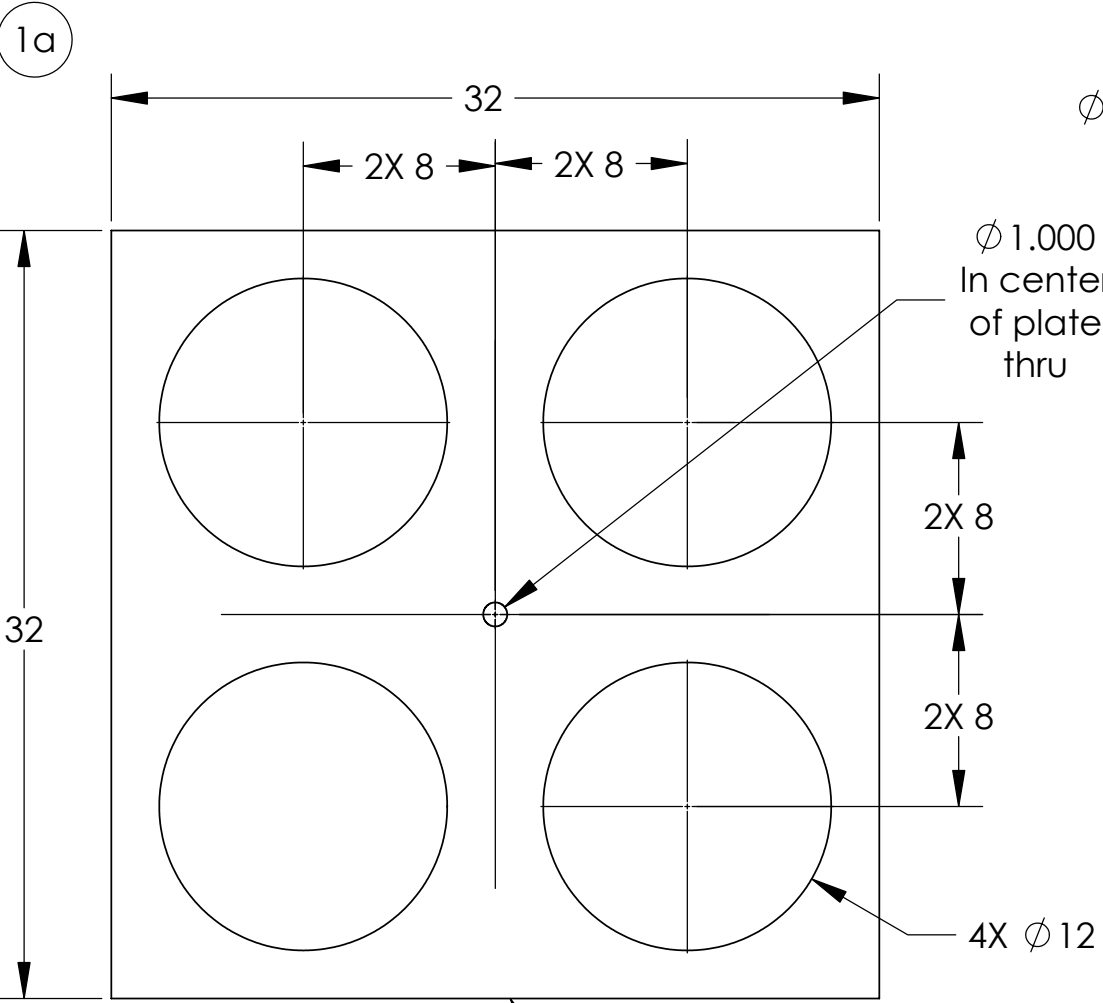
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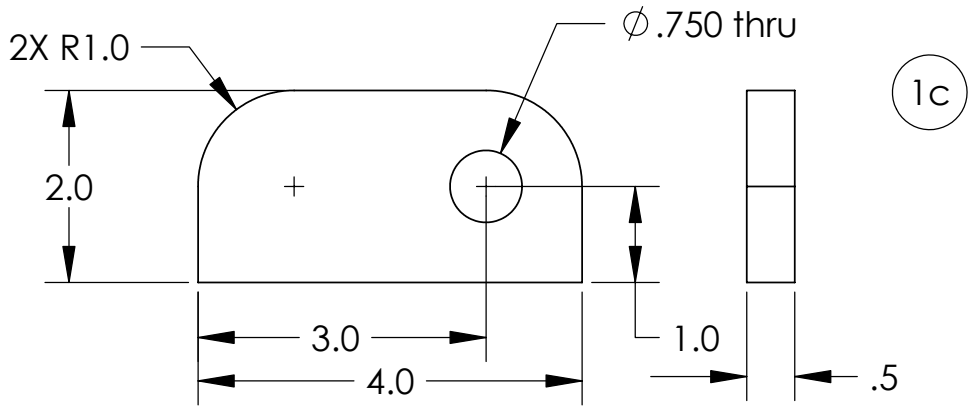
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE		
A	Low current version (added holes)	8/16/04	HWJ



1/2 in steel plate
High current version - w/o holes: 144 lbs in air, 126 lbs in SW
Low current Version - with 12" holes: 86 lbs in air, 75 lbs in SW

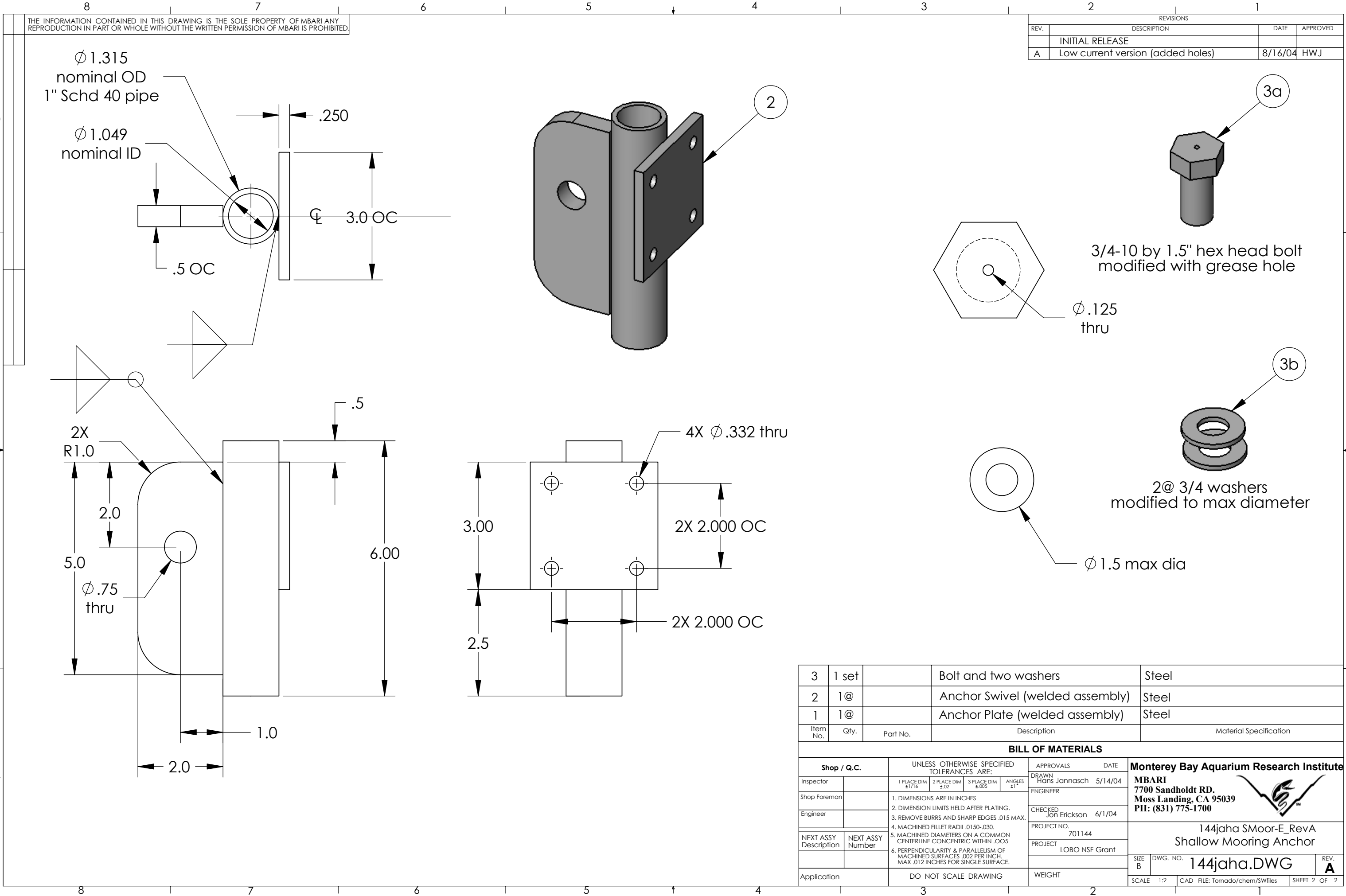


Shallow Mooring Anchor Assembly



3	1 set		Bolt and two washers	Steel
2	1@		Anchor Swivel (welded assembly)	Steel
1	1@		Anchor Plate (welded assembly)	Steel
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	5/14/04	ENGINEER			
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.				CHECKED Jon Erickson		6/1/04		 MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700	
Engineer						PROJECT NO. 701144					
NEXT ASSY Description		NEXT ASSY Number		PROJECT LOBO NSF Grant							
Application		DO NOT SCALE DRAWING				WEIGHT					
						SIZE B		DWG. NO. 144jaha.DWG		REV. A	
						SCALE 1:8		CAD FILE: Tornado/chem/SWfiles		SHEET 1 OF 2	



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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE		
A	Low current version (added holes)	8/16/04	HWJ

3	1 set		Bolt and two washers	Steel		
2	1@		Anchor Swivel (welded assembly)	Steel		
1	1@		Anchor Plate (welded assembly)	Steel		
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 5/14/04
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 .005 6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH, MAX .012 INCHES FOR SINGLE SURFACE.				ENGINEER
Engineer						CHECKED Jon Erickson 6/1/04
						PROJECT NO. 701144
NEXT ASSY Description	NEXT ASSY Number					PROJECT LOBO NSF Grant
Application		DO NOT SCALE DRAWING		WEIGHT		SIZE B DWG. NO. 144jaha.DWG
						SCALE 1:2 CAD FILE: Tornado/chem/SWfiles SHEET 2 OF 2

Monterey Bay Aquarium Research Institute

MBARI

7700 Sandholdt RD.

Moss Landing, CA 95039

PH: (831) 775-1700

144jaha SMoor-E_RevA

Shallow Mooring Anchor

REV. A

Monterey Bay Aquarium Research Institute
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Moss Landing, CA 95039
PH: (831) 775-1700



144jaha SMOor-E_RevA
Shallow Mooring Anchor

144jaha.DWG