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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE	8/21/06	HWJ

1/2" steel center plate

2@ 1/2" steel ears

7.5" OD 1/4" wall
10" long steel tube

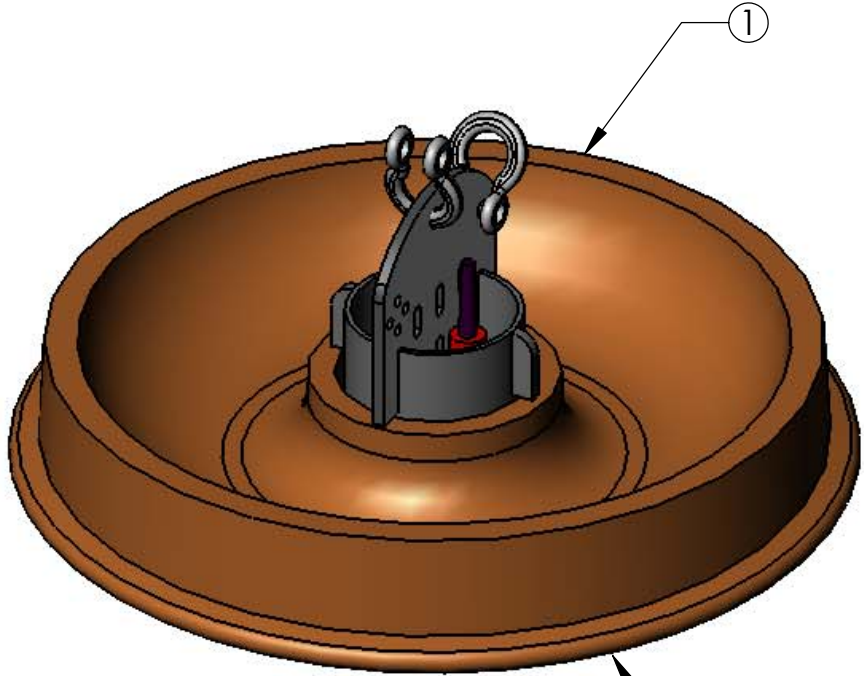
1/2" steel bottom plate

at ~90° to
center plate

Both
sides

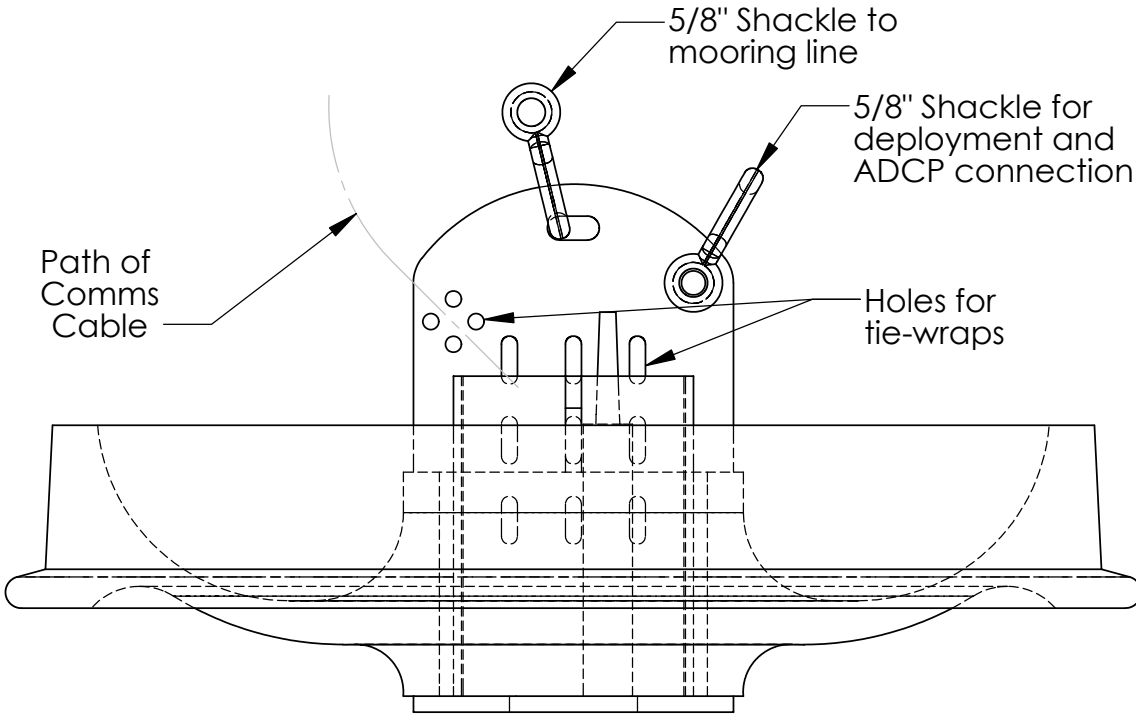
Welded Assembly

(install railroad wheel, flange down, before welding center plate and ears)



Assembly

Small railroad wheel
Approx. 500 lbs
w/ Ø8 ID 7 long hub
Note: Flange down

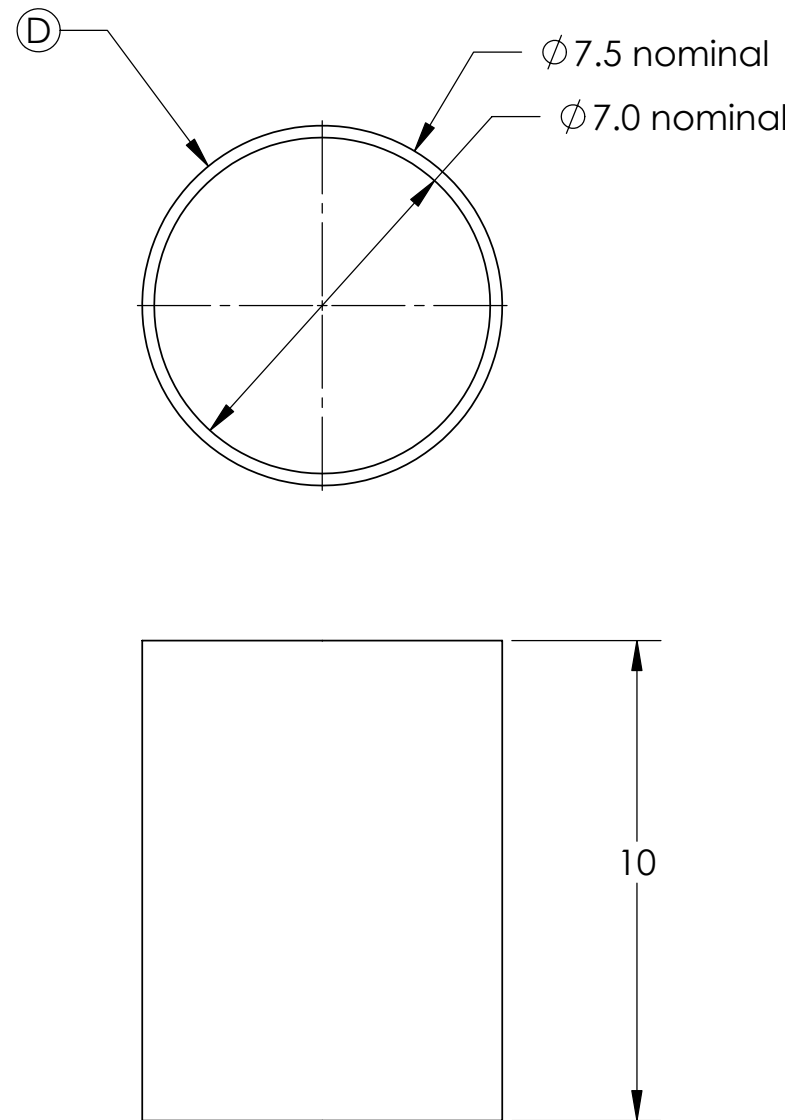


1		1@				LOBO Anchor		Welded Assembly	
Item No.		Qty.		Part No.		Description		Material Specification	
BILL OF MATERIALS									
Shop / Q.C.			UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE
Inspector				1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN Hans Jannasch 8/21/06	
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 E. 8/23/06	
NEXT ASSY Description		NEXT ASSY Number						PROJECT NO. 701144	
Application				DO NOT SCALE DRAWING				PROJECT LOBO Moorings	
								WEIGHT	
								SIZE B	
								DWG. NO. 184jaha.DWG	
								REV.	
								SCALE 1:16	
								CAD FILE: tornado/chem/SWfiles	
								SHEET 1 OF 2	

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

184jahaLOBOanchor
LOBO Anchor (Ver 2)

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE	8/21/06	HWJ



D	1@		Center Tube	7.5" OD 1/4" wall steel tube
C	2@		Ears	1/2" plate steel
B	1@		Bottom Plate	1/2" plate steel
A	1@		Center Plate	1/2" plate steel
1	1@		LOBO Anchor	Welded Assembly
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 MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700 	
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN Hans Jannasch		8/21/06			
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 E.		8/23/06			
NEXT ASSY Description	NEXT ASSY Number					PROJECT NO.		701144			
						PROJECT		LOBO Moorings		184jahaLOBOanchor LOBO Anchor (Ver 2) SIZE B DWG. NO. 184jaha.DWG REV.	
Application		DO NOT SCALE DRAWING				WEIGHT					
		3				2				SCALE 1:2	
								CAD FILE: tornado/chem/SWfiles		SHEET 2 OF 2	