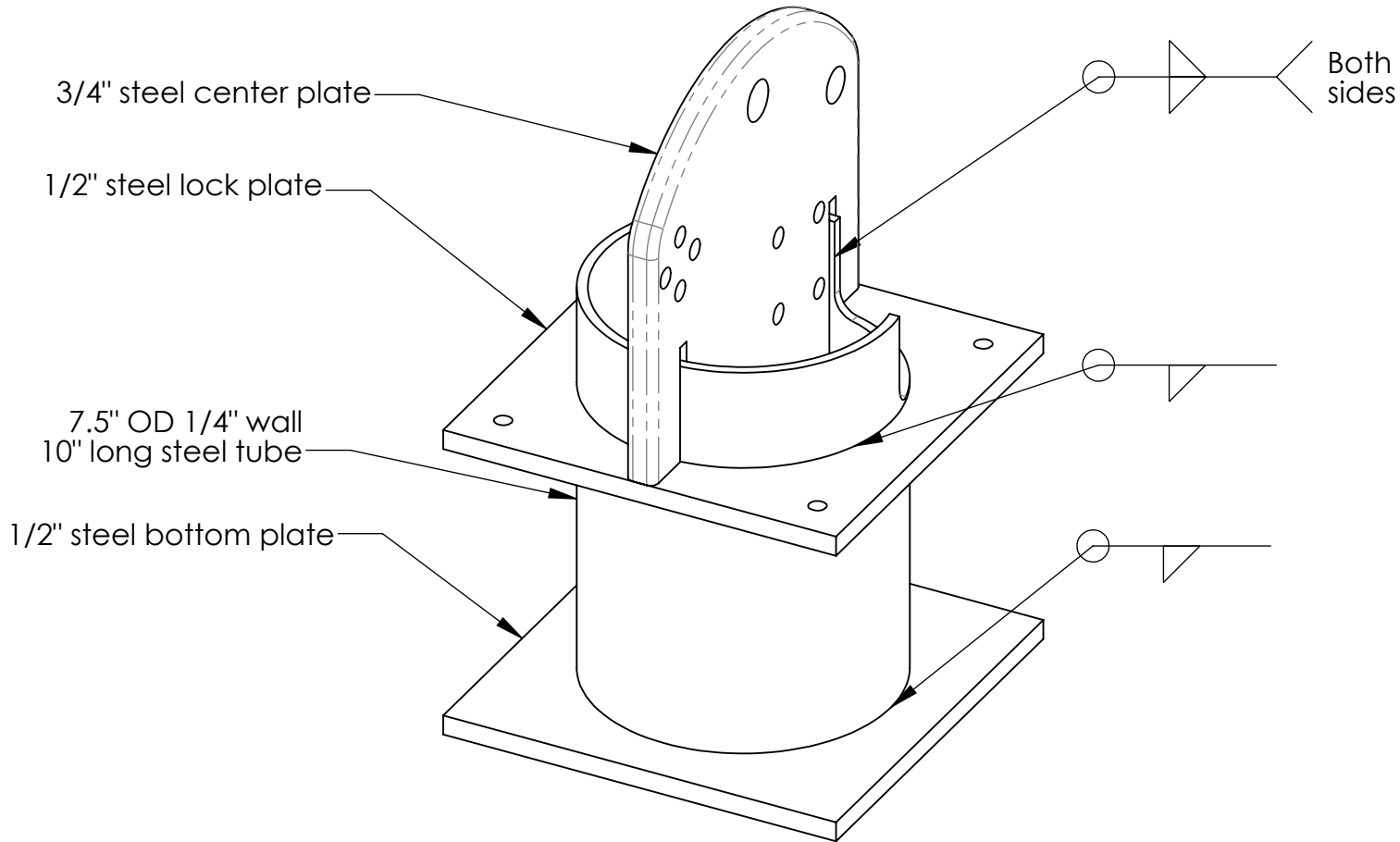
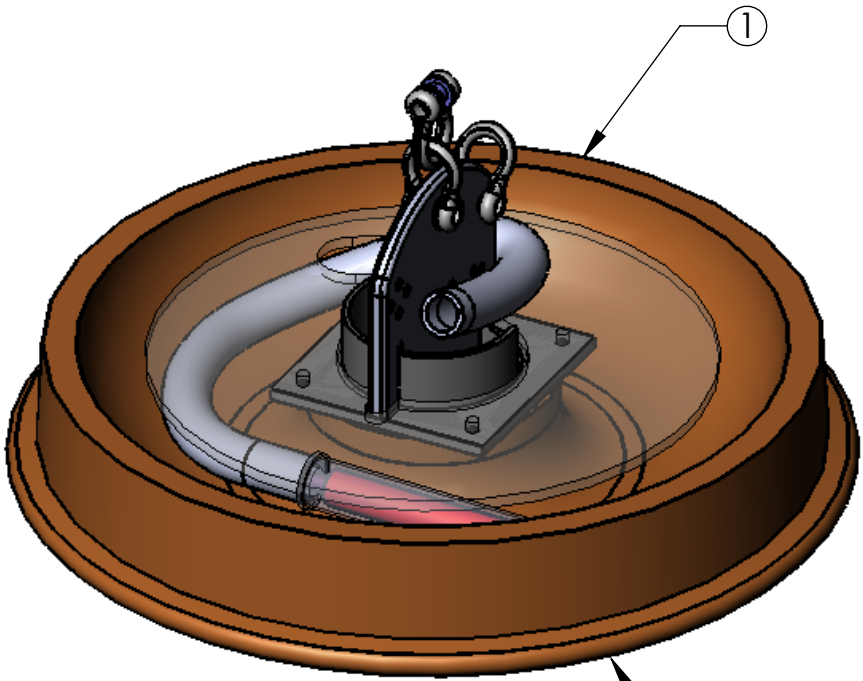
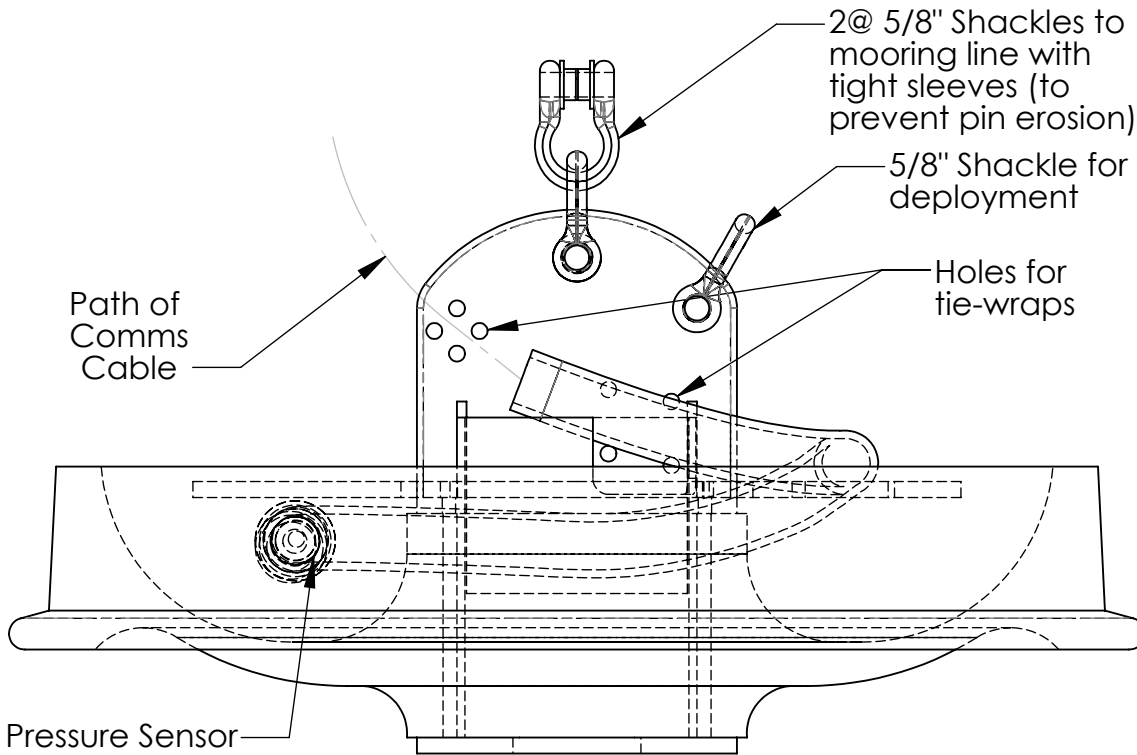


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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE	8/21/06	HWJ
A	Modified center plate	10/5/06	HWJ
B	Version 2 (double lower shackle)	3/30/11	HWJ



Welded Assembly
(install railroad wheel, flange down, before welding lock and center plate)



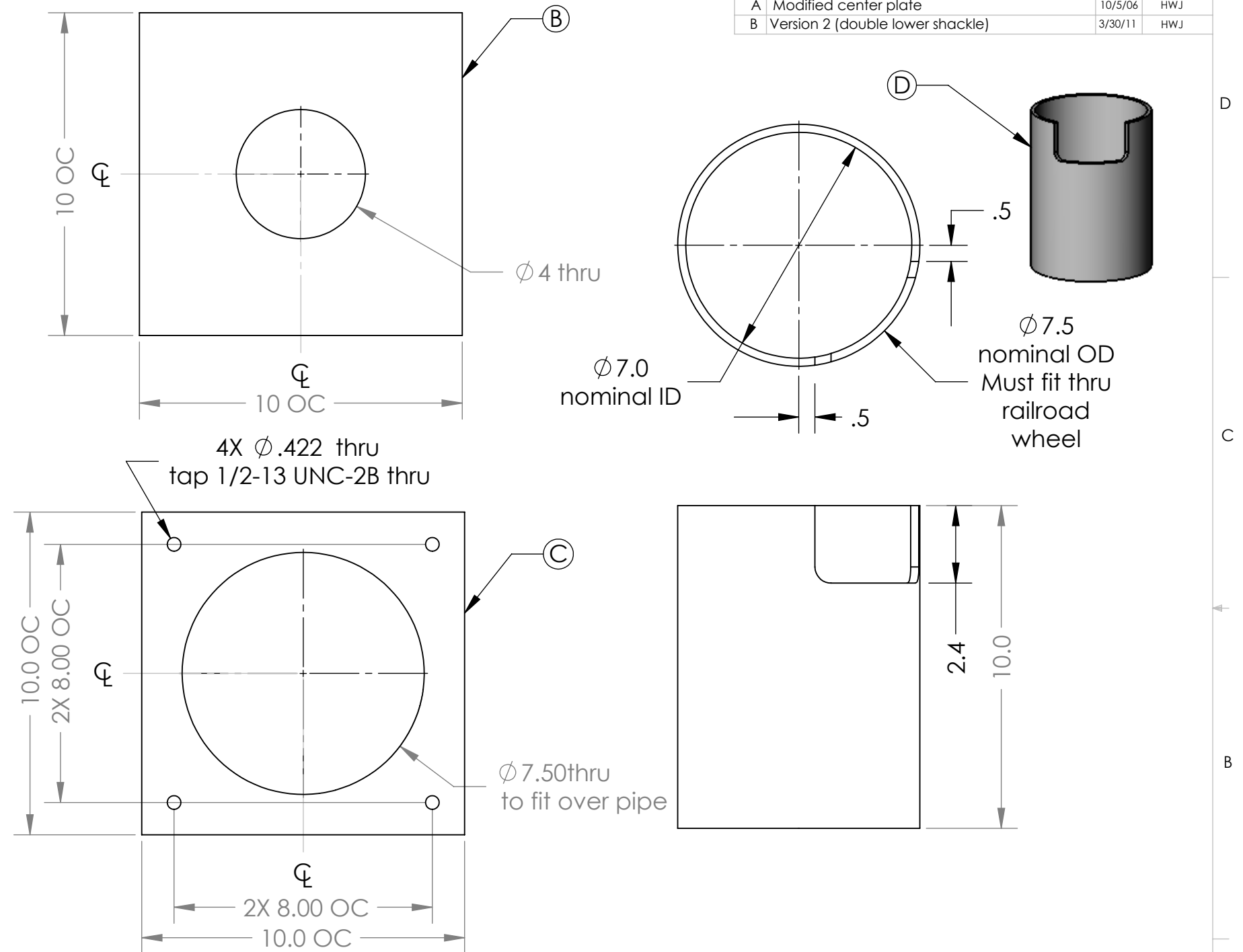
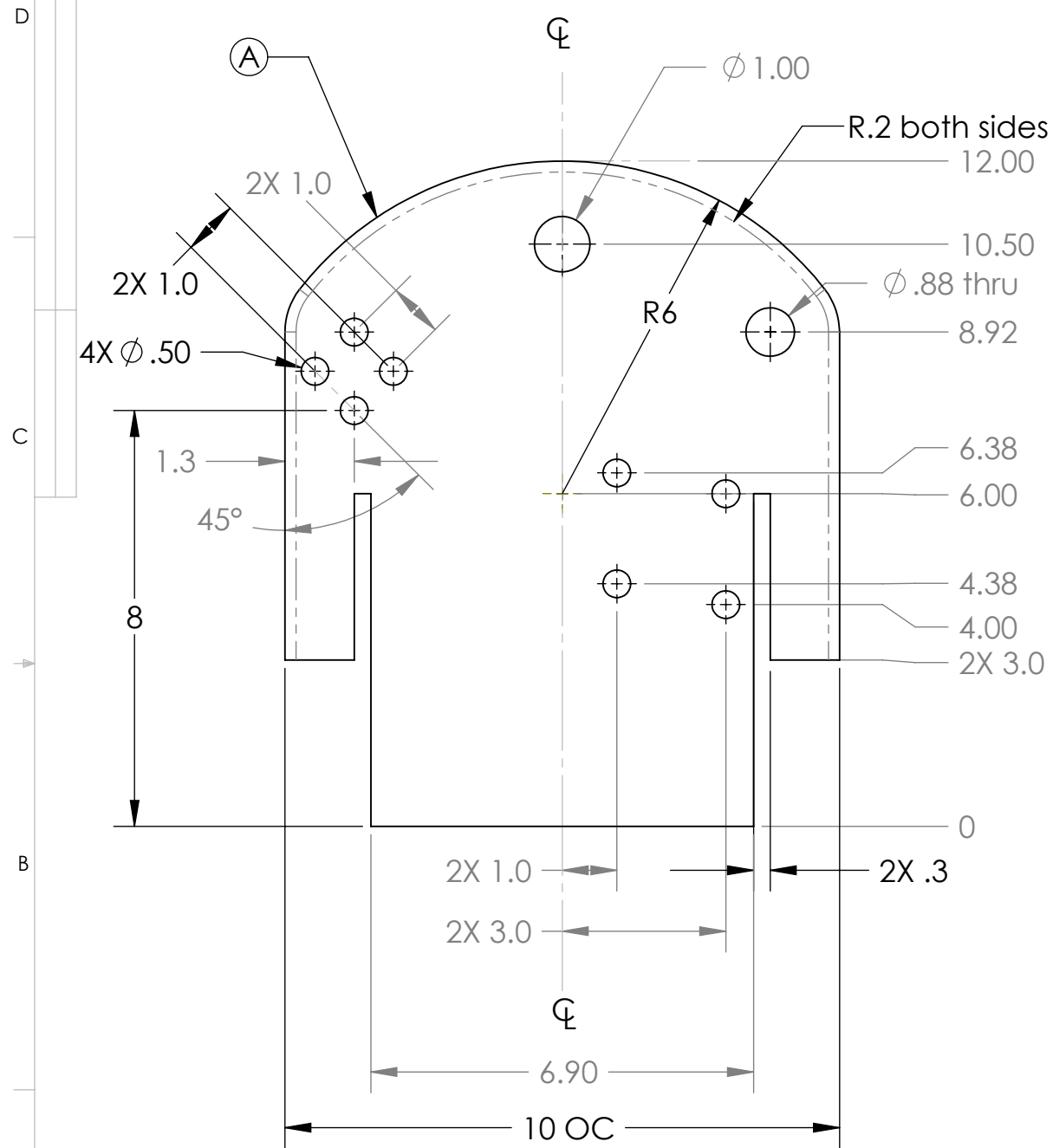
Assembly
Small railroad wheel
Approx. 500 lbs
w/ $\varnothing 8$ ID 7 long hub
Note: Flange down

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	
Shop Foreman				1. DIMENSIONS ARE IN INCHES		2. DIMENSION LIMITS HELD AFTER PLATING.		3. REMOVE BURRS AND SHARP EDGES .015 MAX.	
Engineer				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.	
NEXT ASSY Description		NEXT ASSY Number				CHECKED Jon E.		8/23/06	
						PROJECT NO.		701144	
						PROJECT		LOBO Moorings	
Application				DO NOT SCALE DRAWING		WEIGHT			
		3				2			

Monterey Bay Aquarium Research Institute				
MBARI				
7700 Sandholdt RD.				
Moss Landing, CA 95039				
PH: (831) 775-1700				
184jahaLOBOanchor				
LOBO Anchor (Ver 2)				
SIZE B	DWG. NO.	184jaha.DWG		REV. B
SCALE 1:16	CAD FILE: tornado/chem/SWfiles	SHEET 1	OF 3	

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE	8/21/06	HWJ
A	Modified center plate	10/5/06	HWJ
B	Version 2 (double lower shackle)	3/30/11	HWJ



Material: weldable steel, all same type

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				ENGINEER
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING.				CHECKED Jon E. 8/23/06
		3. REMOVE BURRS AND SHARP EDGES .015 MAX.				PROJECT NO. 701144
		4. MACHINED FILLET RADII .0150-.030.				PROJECT LOBO Moorings
NEXT ASSY Description	NEXT ASSY Number	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.				
Application		DO NOT SCALE DRAWING			WEIGHT	
		3			2	

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184jahaLOBOanchor
LOBO Anchor (Ver 2)

SIZE B DWG. NO. 184jaha.DWG

SCALE 1:2 CAD FILE: tornado/chem/SWfiles

REV. B

SHEET 2 OF 3

1

