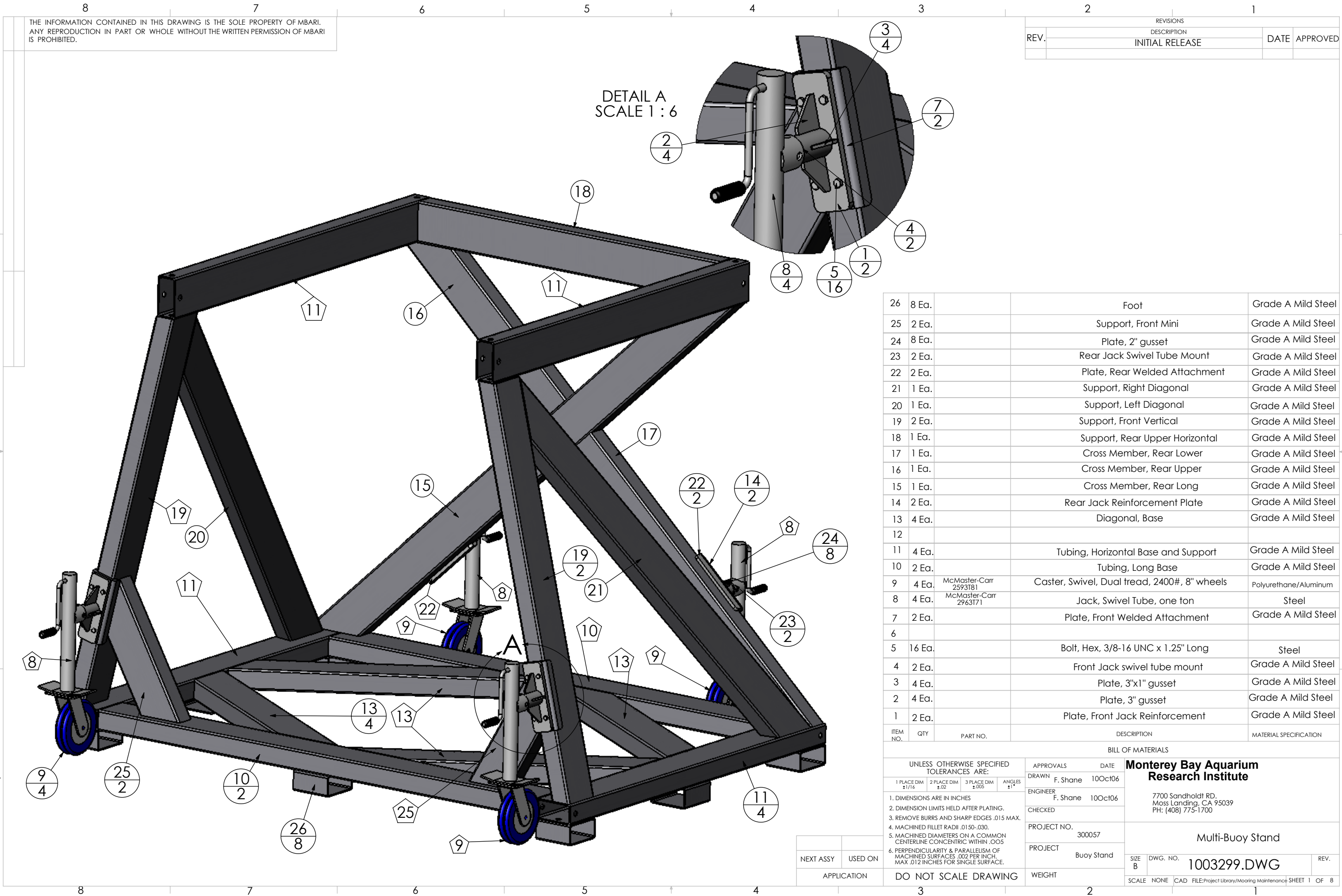




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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE		

26	8 Ea.		Foot	Grade A Mild Steel
25	2 Ea.		Support, Front Mini	Grade A Mild Steel
24	8 Ea.		Plate, 2" gusset	Grade A Mild Steel
23	2 Ea.		Rear Jack Swivel Tube Mount	Grade A Mild Steel
22	2 Ea.		Plate, Rear Welded Attachment	Grade A Mild Steel
21	1 Ea.		Support, Right Diagonal	Grade A Mild Steel
20	1 Ea.		Support, Left Diagonal	Grade A Mild Steel
19	2 Ea.		Support, Front Vertical	Grade A Mild Steel
18	1 Ea.		Support, Rear Upper Horizontal	Grade A Mild Steel
17	1 Ea.		Cross Member, Rear Lower	Grade A Mild Steel
16	1 Ea.		Cross Member, Rear Upper	Grade A Mild Steel
15	1 Ea.		Cross Member, Rear Long	Grade A Mild Steel
14	2 Ea.		Rear Jack Reinforcement Plate	Grade A Mild Steel
13	4 Ea.		Diagonal, Base	Grade A Mild Steel
12				
11	4 Ea.		Tubing, Horizontal Base and Support	Grade A Mild Steel
10	2 Ea.		Tubing, Long Base	Grade A Mild Steel
9	4 Ea.	McMaster-Carr 2593T81	Caster, Swivel, Dual tread, 2400#, 8" wheels	Polyurethane/Aluminum
8	4 Ea.	McMaster-Carr 2963T71	Jack, Swivel Tube, one ton	Steel
7	2 Ea.		Plate, Front Welded Attachment	Grade A Mild Steel
6				
5	16 Ea.		Bolt, Hex, 3/8-16 UNC x 1.25" Long	Steel
4	2 Ea.		Front Jack swivel tube mount	Grade A Mild Steel
3	4 Ea.		Plate, 3"x1" gusset	Grade A Mild Steel
2	4 Ea.		Plate, 3" gusset	Grade A Mild Steel
1	2 Ea.		Plate, Front Jack Reinforcement	Grade A Mild Steel
ITEM NO.	QTY	PART NO.	DESCRIPTION	MATERIAL SPECIFICATION

BILL OF MATERIALS			
UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:		APPROVALS	DATE
1 PLACE DIM ±1/16	2 PLACE DIM ±.02	DRAWN F. Shane	10Oct06
3 PLACE DIM ±.005	ANGLES ±1°	ENGINEER F. Shane	10Oct06
1. DIMENSIONS ARE IN INCHES		CHECKED	
2. DIMENSION LIMITS HELD AFTER PLATING.		PROJECT NO.	300057
3. REMOVE BURRS AND SHARP EDGES .015 MAX.		PROJECT	Buoy Stand
4. MACHINED FILLET RADII .0150-.030.		WEIGHT	
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.			

Monterey Bay Aquarium Research Institute

7700 Sandholdt RD.
Moss Landing, CA 95039
PH: (408) 775-1700

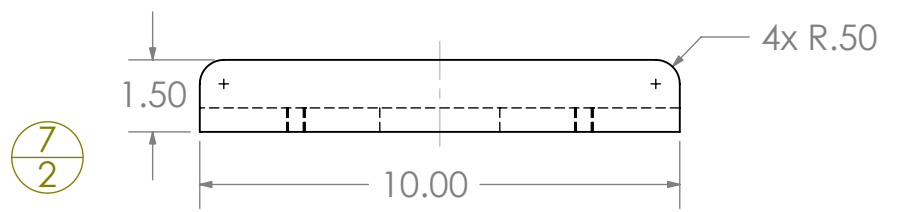
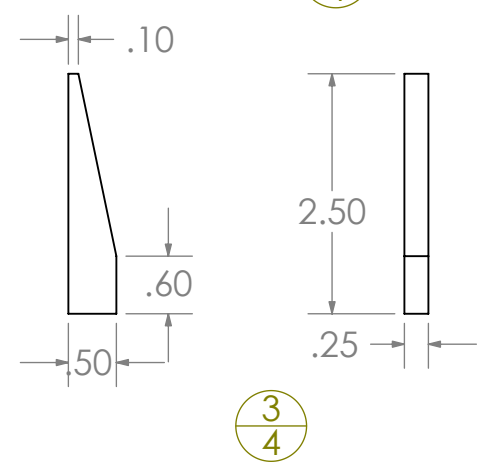
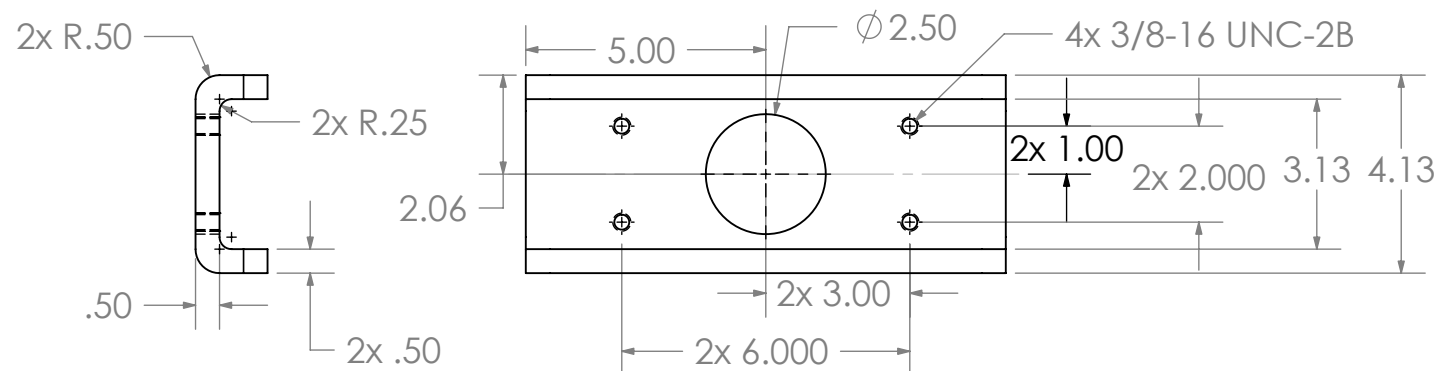
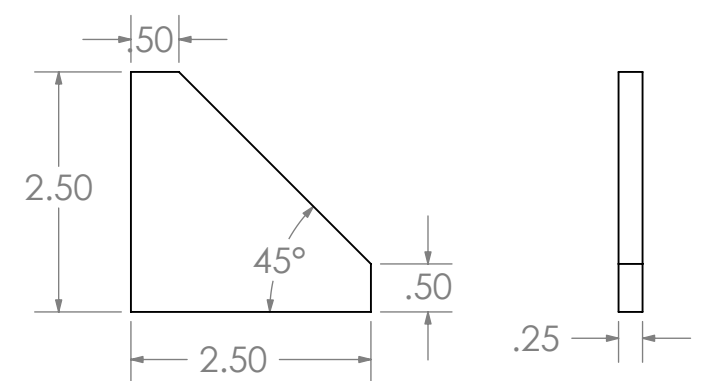
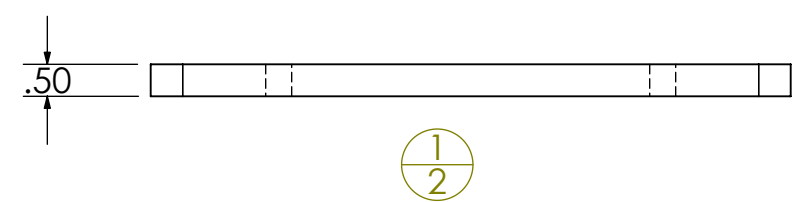
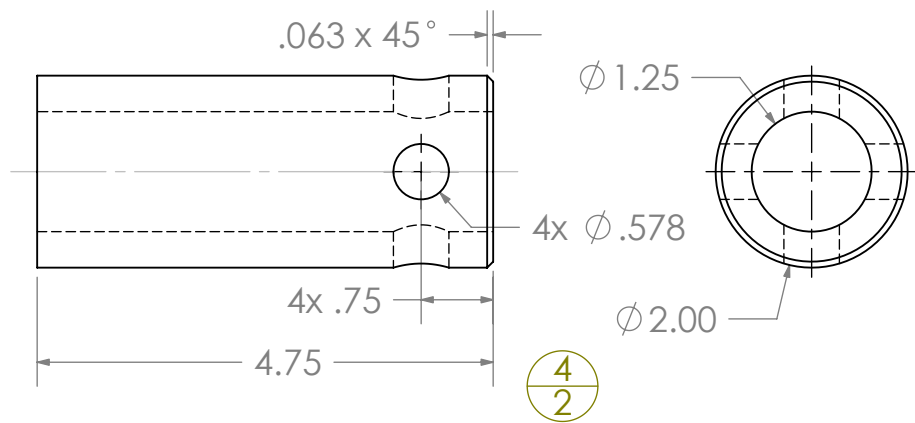
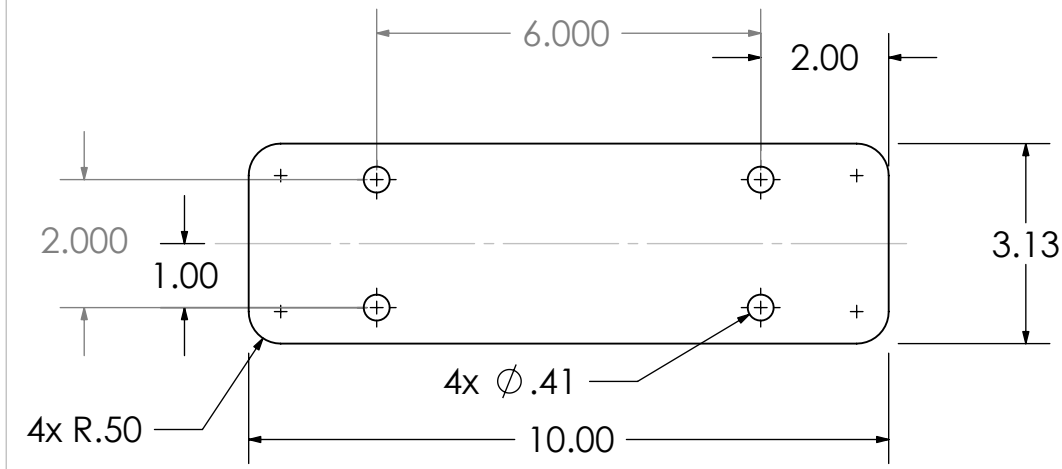
Multi-Buoy Stand

SIZE B DWG. NO. 1003299.DWG REV.

SCALE NONE CAD FILE:Project Library/Mooring Maintenance SHEET 1 OF 8

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REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE		

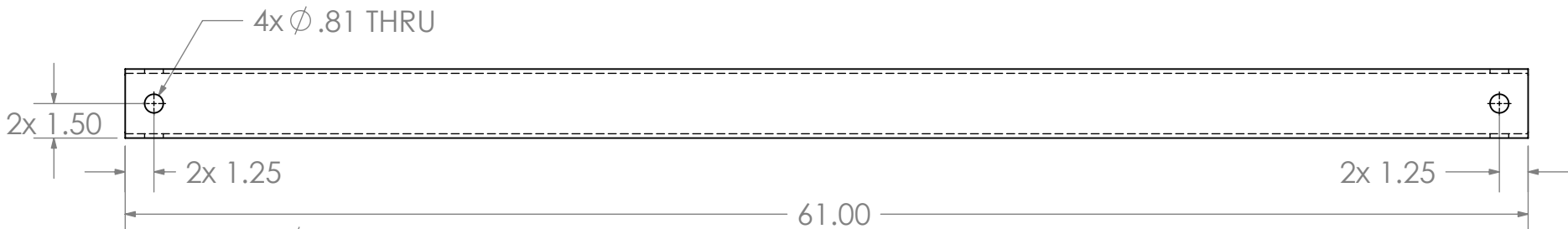


UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:			APPROVALS		DATE		Monterey Bay Aquarium M B A Q I Research Institute 		
1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	DRAWN	F. Shane	10Oct06	7700 Sandholdt RD. Moss Landing, CA 95039 PH: (408) 775-1700			
			ENGINEER	F. Shane	10Oct06				
			CHECKED						
1. DIMENSIONS ARE IN INCHES			PROJECT NO.		300057	Multi-Buoy Stand			
2. DIMENSION LIMITS HELD AFTER PLATING.			PROJECT		Buoy Stand				
3. REMOVE BURRS AND SHARP EDGES .015 MAX.									
4. MACHINED FILLET RADII .0150-.030.						SIZE B DWG. NO. 1003299.DWG REV.			
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			WEIGHT			SCALE NONE CAD FILE: Project Library/Mooring Maintenance SHEET 2 OF 8			

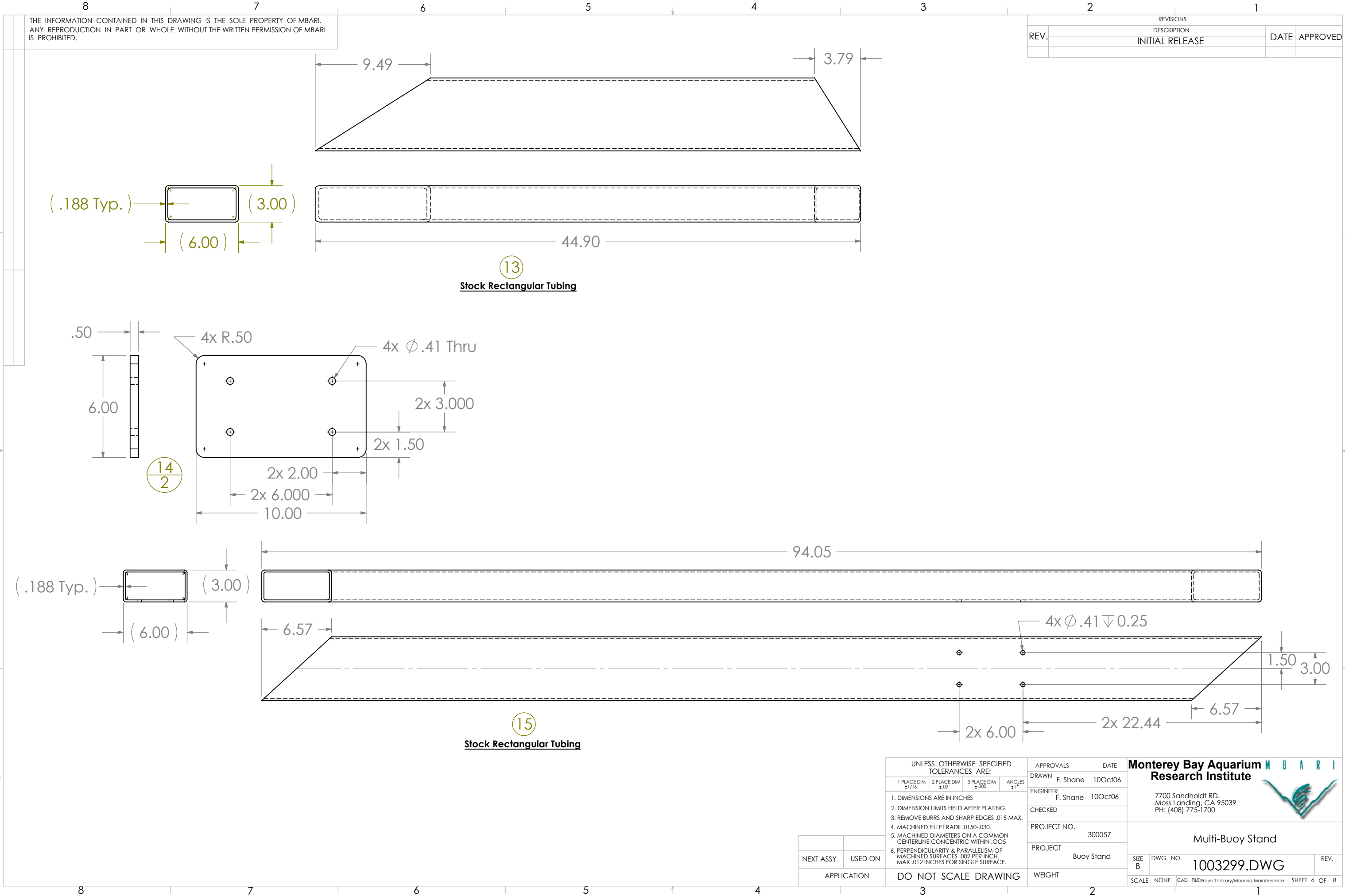
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE		



Stock Rectangular Tubing



UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE	
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1. DIMENSIONS ARE IN INCHES				ENGINEER	F. Shane	10Oct06	
2. DIMENSION LIMITS HELD AFTER PLATING.				CHECKED			
3. REMOVE BURRS AND SHARP EDGES .015 MAX.				PROJECT NO.	300057		
4. MACHINED FILLET RADII .0150-.030.				PROJECT	Buoy Stand		
5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005				Multi-Buoy Stand			
6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.				SIZE B DWG. NO. 1003299.DWG REV.			
DO NOT SCALE DRAWING				WEIGHT			SCALE NONE CAD FILE: Project Library/Mooring Maintenance SHEET 3 OF 8



REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE		

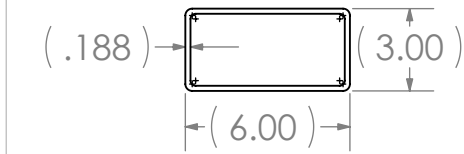


Diagram of a rectangular plate with dimensions and a hole. The plate has a width of 6.00 and a height of 3.00. A hole with a diameter of 1.188 is located on the left side. The distance from the left edge of the plate to the center of the hole is 0.188.



UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:			
1 PLACE DIM ±.1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°

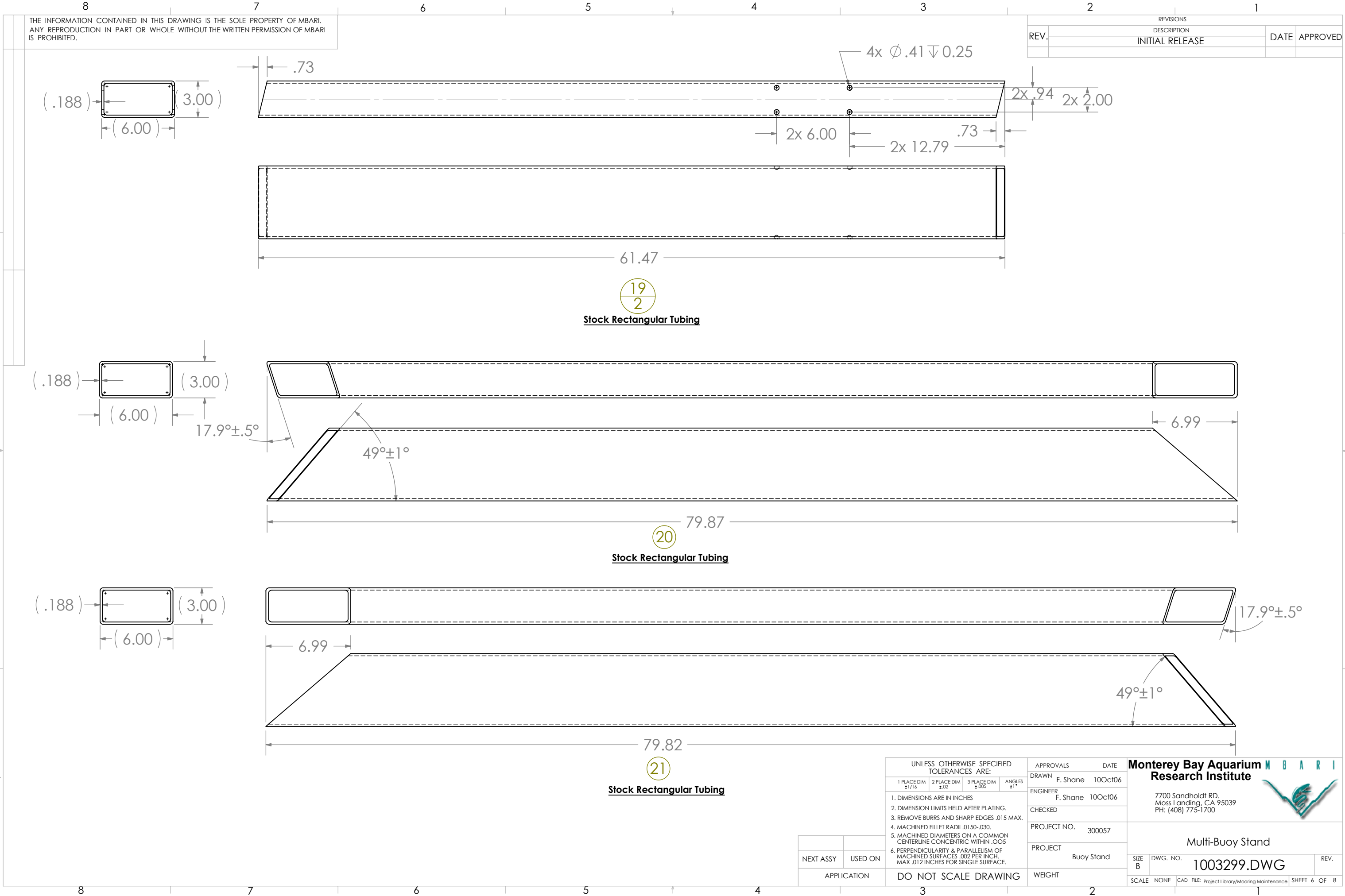
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2. DIMENSION LIMITS HELD AFTER PLATING.
3. REMOVE BURRS AND SHARP EDGES .015 MAX.
4. MACHINED FILED RADII .0150-.030.
5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005
6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH, MAX .012 INCHES FOR SINGLE SURFACE.

DO NOT SCALE DRAWING

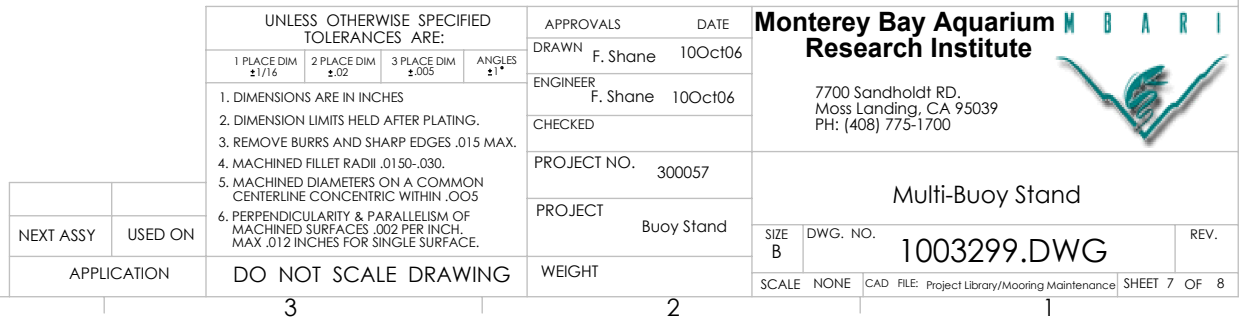
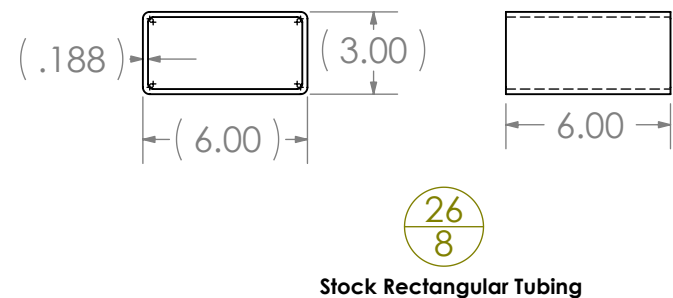
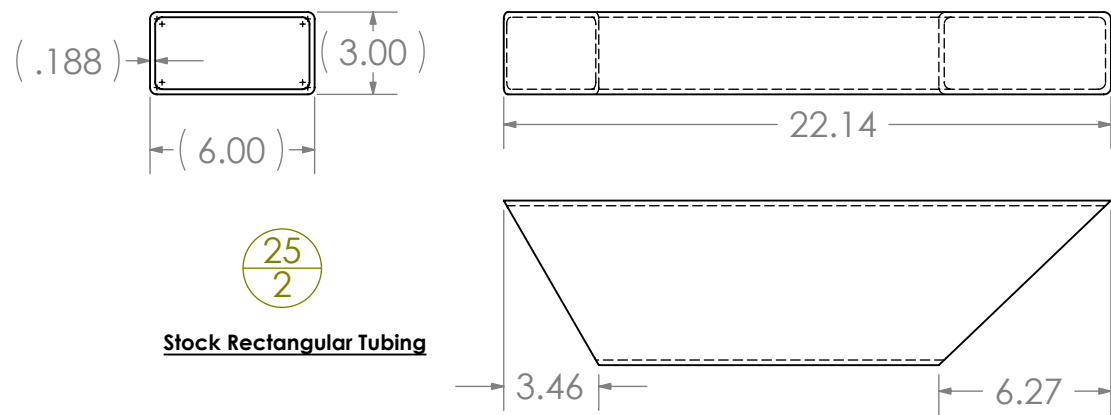
APPROVALS	DATE
DRAWN F. Shane	10Oct06
ENGINEER F. Shane	10Oct06
CHECKED	
PROJECT NO.	300057
PROJECT	Buoy Stand
WEIGHT	

Monterey Bay Aquarium Research Institute

Multi-Buoy Stand				
SIZE B	DWG. NO.	1003299.DWG		REV.
SCALE	NONE	CAD FILE: Project Library/Mooring Maintenance	SHEET 5 OF 8	

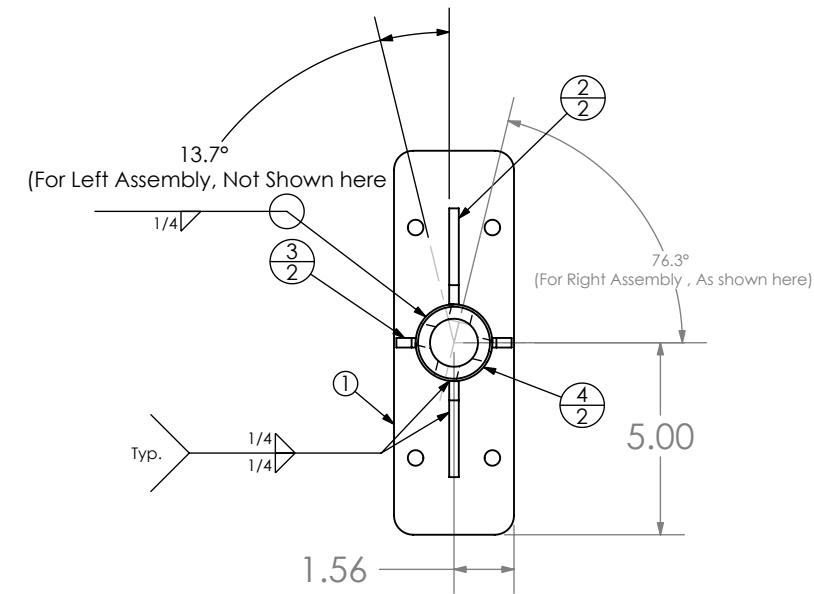


REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE		

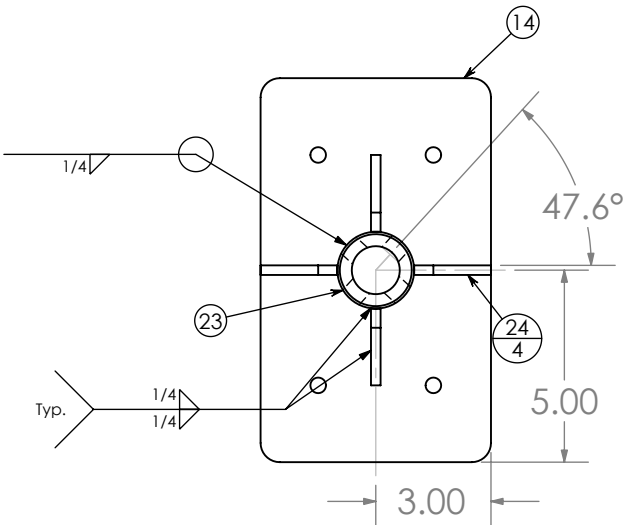


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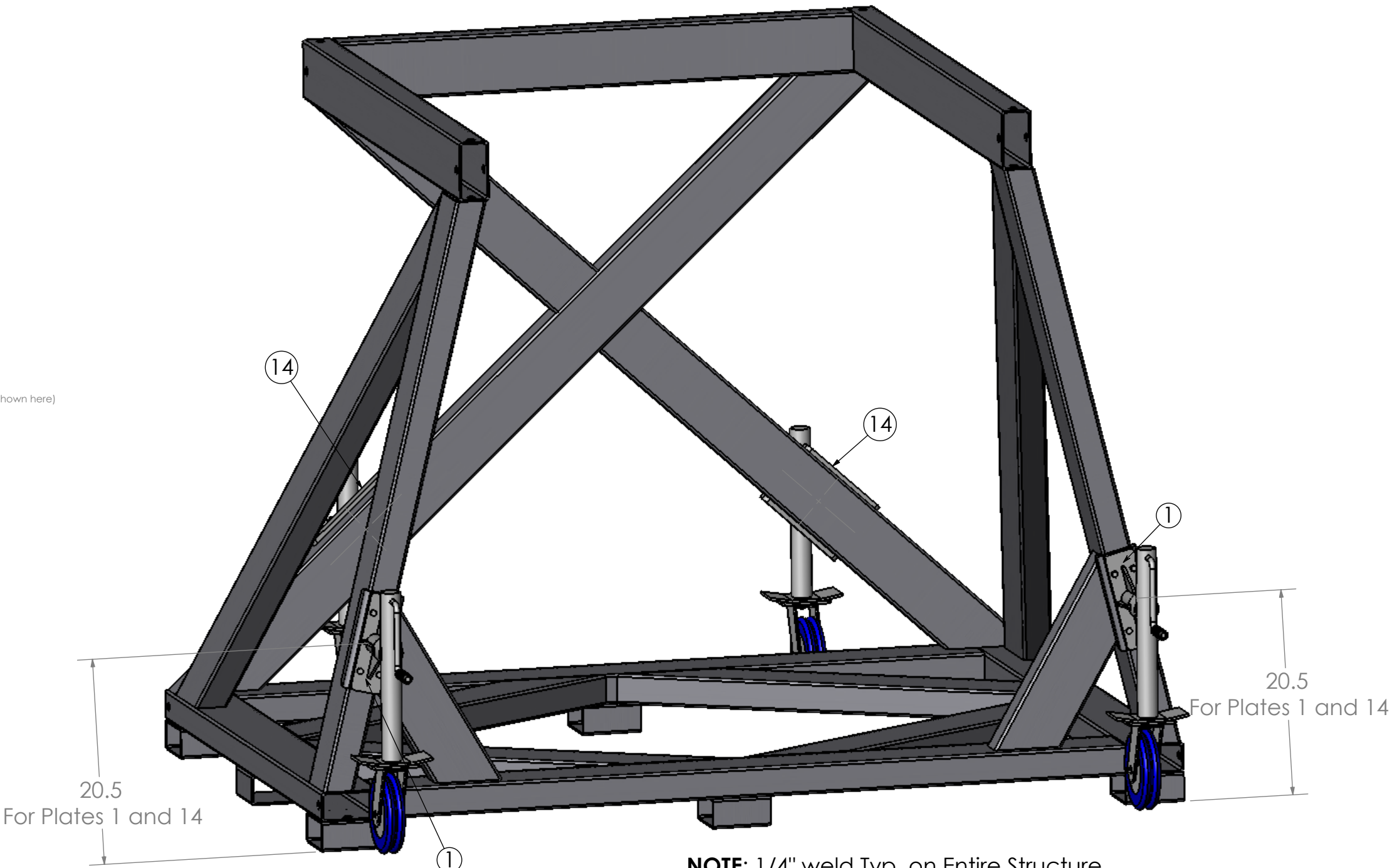
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
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One Left assembly
One Right assembly



Two assemblies



NOTE: 1/4" weld Typ. on Entire Structure

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5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005				WEIGHT				
6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.							SCALE NONE	REV.
							CAD FILE: Project Library/Mooring Maintenance	SHEET 8 OF 8

NEXT ASSY	USED ON
APPLICATION	DO NOT SCALE DRAWING