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REV.

DESCRIPTION

DATE

APPROVED

INITIAL RELEASE

Exploded view diagram of a hydrophone pole assembly. The diagram shows a long cylindrical pole with various components attached. Callouts 1-13 identify specific parts: 1 (PoleBasic), 2 (HP_Top_Plate), 3 (HP_BottomPlate), 4 (HP_UHMW_Rubrail), 5 (HP_UHMW_Mnt_Plt), 6 (HP_LegShort), 7 (HP_Leg), 8 (HP_UHMW_Rubrail_UpperTensionSide), 9 (DR3_Seal26), 10 (SealClip), 11 (HP_UHMW_Rubrail_LowerTensionSide), 12 (Lift and Parking Stiffener), and 13 (Parking Stiffener Plate). Several callouts with question marks point to areas of the assembly that require clarification or are under review.

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	PoleBasic		1
2	HP_Top_Plate		1
3	HP_BottomPlate		1
4	HP_UHMW_Rubrail		2
5	HP_UHMW_Mnt_Plt		4
6	HP_LegShort		8
7	HP_Leg		4
8	HP_UHMW_Rubrail_UpperTensionSide		2
9	DR3_Seal26		2
10	SealClip		36
11	HP_UHMW_Rubrail_LowerTensionSide		2
12	Lift and Parking Stiffener		1
13	Parking Stiffener Plate		1

UNLESS OTHERWISE SPECIFIED
TOLERANCES ARE:

1 PLACE DIM	2 PLACE DIM	3 PLACE DIM	ANGLES
$\pm 1/16$	$\pm .02$	$\pm .005$	$\pm 1^\circ$

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.

APPROVALS

DATE

DRAWN F. Shane 02Feb2015

ENGINEER F. Shane 02Feb2015

CHECKED

PROJECT NO. 300062

PROJECT RC Large HP

WEIGHT

Monterey Bay Aquarium
Research Institute

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

Rachel Carson
Large Hydrophone Pole

SIZE B

DWG. NO. 1-020215-300062

REV.

SCALE NONE

CAD FILE Project Library\300062\Rachel Carson

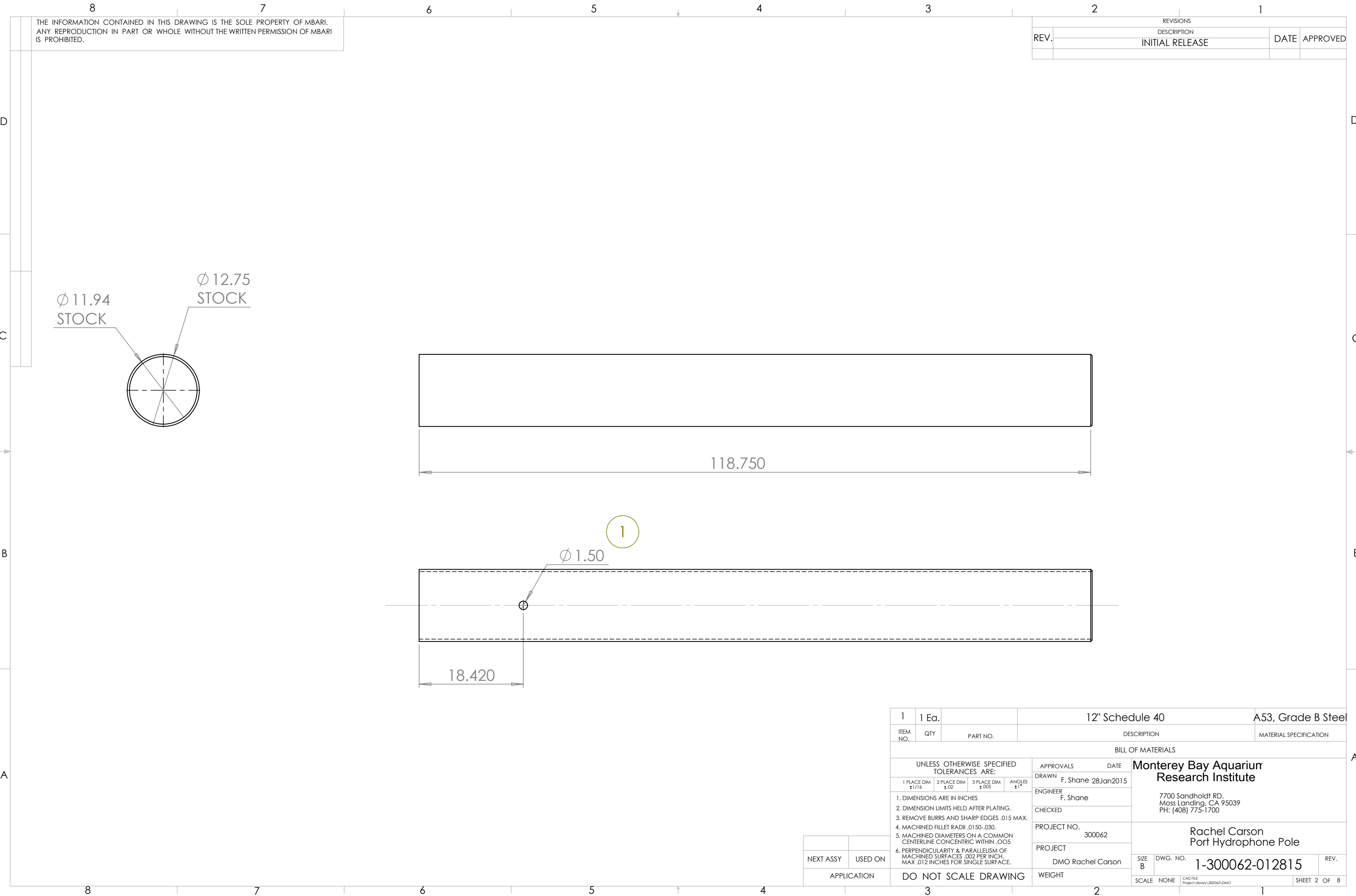
SHEET 1 OF 8

NEXT ASSY

USED ON

APPLICATION

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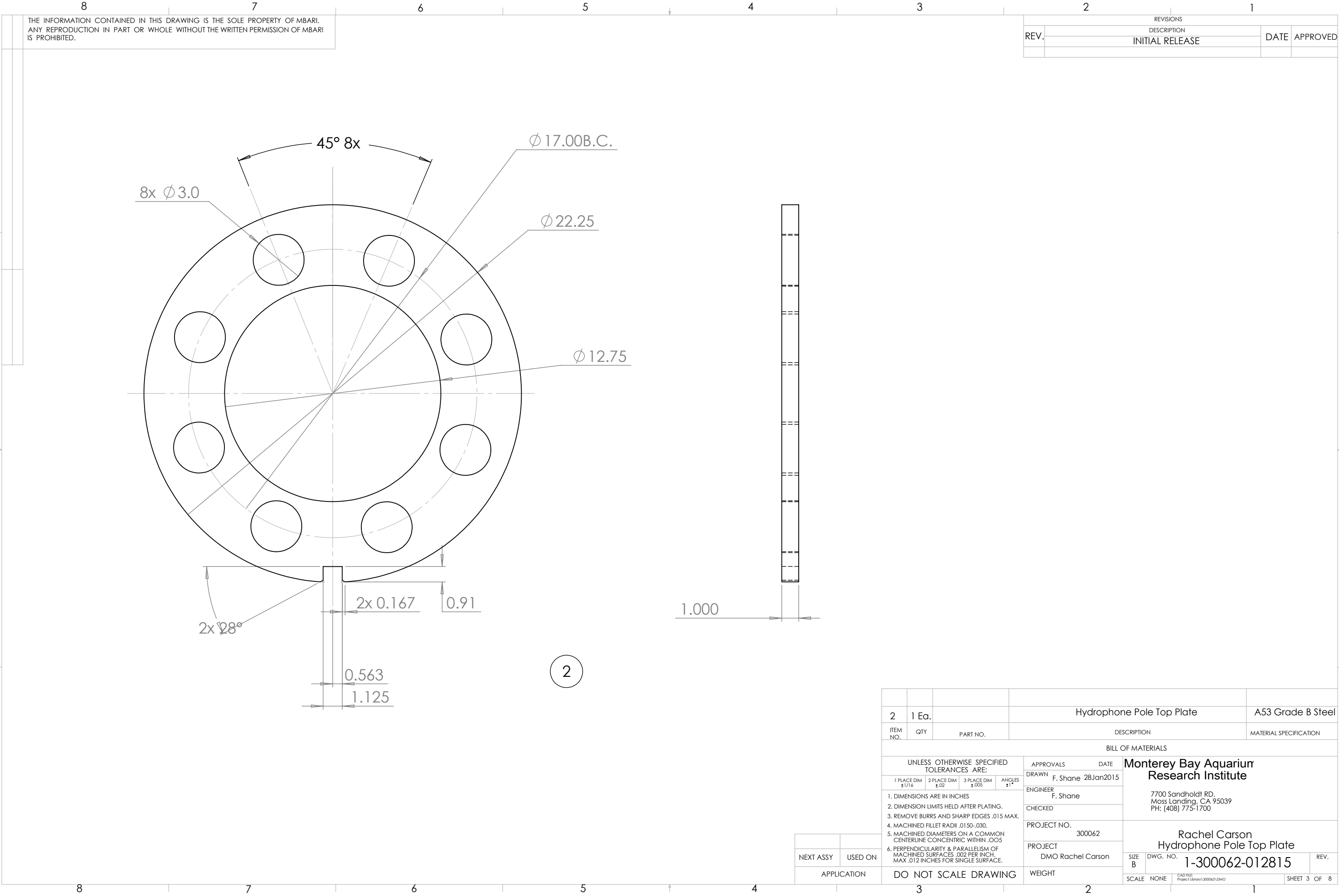
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE		

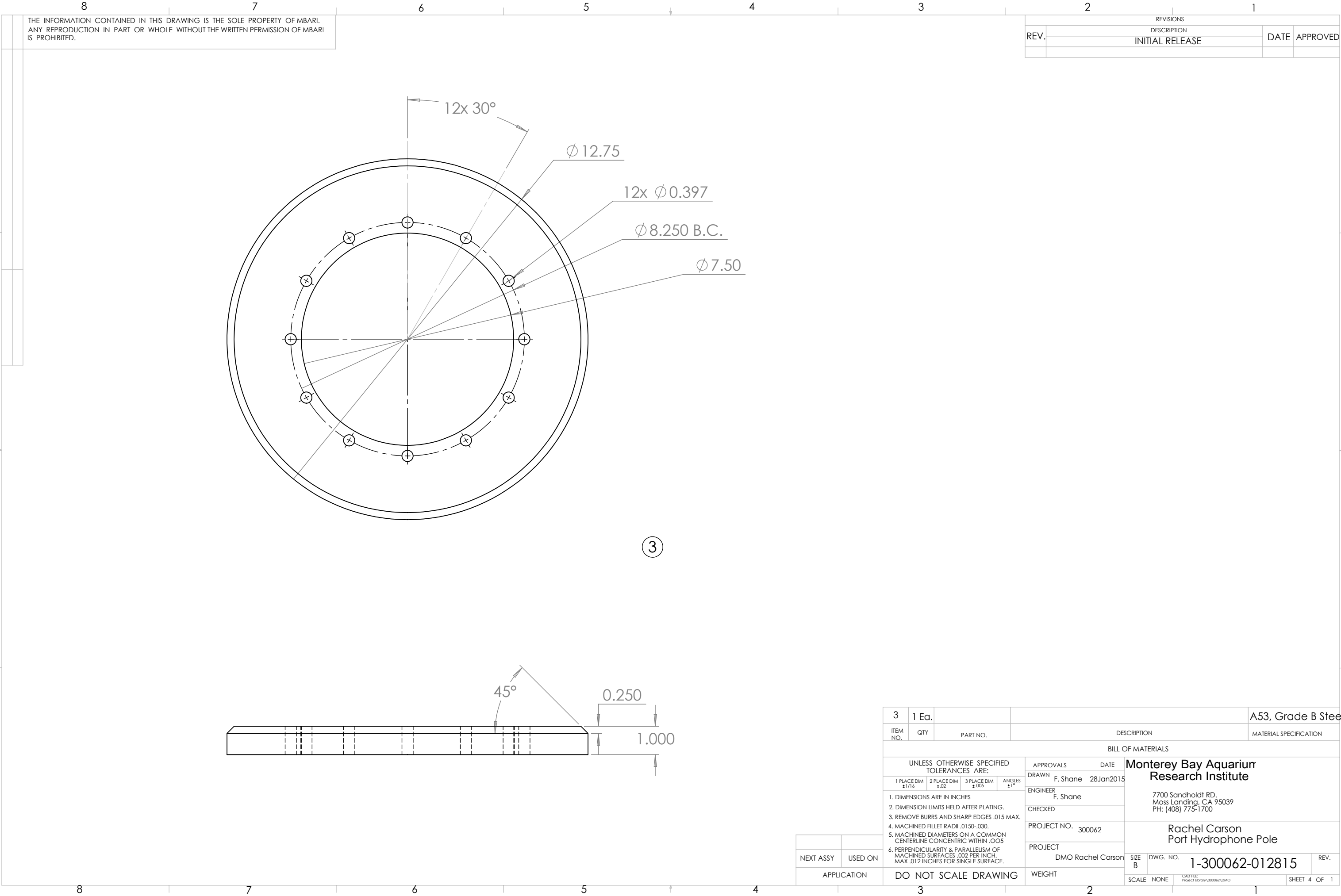
1		1 Ea.		12" Schedule 40			A53, Grade B Steel				
ITEM NO.		QTY		PART NO.		DESCRIPTION		MATERIAL SPECIFICATION			
BILL OF MATERIALS											
UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE		Monterey Bay Aquarium Research Institute 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (408) 775-1700			
1 PLACE DIM ±1/16		2 PLACE DIM ±.02		3 PLACE DIM ±.005		ANGLES ±1°				DRAWN F. Shane 28Jan2015	
										ENGINEER F. Shane	
1. DIMENSIONS ARE IN INCHES				CHECKED				Rachel Carson Port Hydrophone Pole			
2. DIMENSION LIMITS HELD AFTER PLATING.											
3. REMOVE BURRS AND SHARP EDGES .015 MAX.											
4. MACHINED FILLET RADII .0150-.030.				PROJECT NO.		300062					
5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005				PROJECT							
6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.				DMO Rachel Carson				SIZE B			
DO NOT SCALE DRAWING				WEIGHT				DWG. NO. 1-300062-012815			
				SCALE		NONE		CAD FILE: Project Library\300062\DMO			
								SHEET 2 OF 8			

NEXT ASSY	USED ON

APPLICATION

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE		

3	1 Ea.		A53, Grade B 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	3 PLACE DIM ±.005	DRAWN	F. Shane 28Jan2015
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	F. Shane
			CHECKED	
			PROJECT NO.	300062
			PROJECT	DMO Rachel Carson
			Monterey Bay Aquarium Research Institute	
			7700 Sandholdt RD. Moss Landing, CA 95039 PH: (408) 775-1700	
			Rachel Carson Port Hydrophone Pole	
			SIZE B	DWG. NO. 1-300062-012815
			SCALE NONE	REV.
			CAD FILE Project Library\300062\DMO	SHEET 4 OF 1

NEXT ASSY	USED ON
APPLICATION	

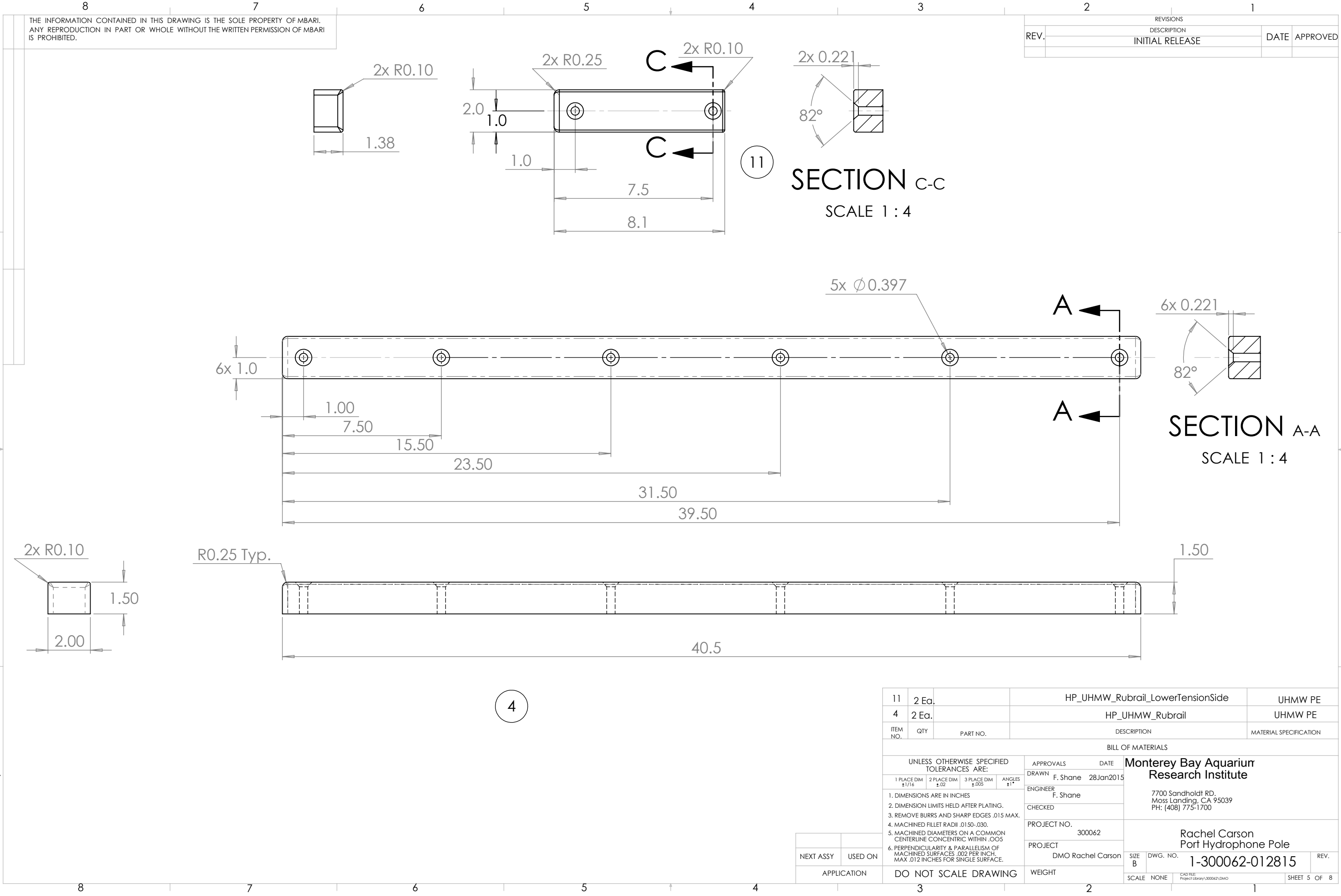
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WEIGHT

SCALE NONE

CAD FILE Project Library\300062\DMO

SHEET 4 OF 1



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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE		

11	2 Ea.	HP_UHMW_Rubrail_LowerTensionSide		UHMW PE	
4	2 Ea.	HP_UHMW_Rubrail		UHMW PE	
ITEM NO.	QTY	PART NO.	DESCRIPTION	MATERIAL SPECIFICATION	
BILL OF MATERIALS					
UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:		APPROVALS	DATE	Monterey Bay Aquarium Research Institute 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (408) 775-1700 Rachel Carson Port Hydrophone Pole SIZE B DWG. NO. 1-300062-012815 SCALE NONE CAD FILE: Project Library\300062\DMO	
1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°		DRAWN F. Shane 28Jan2015
1. DIMENSIONS ARE IN INCHES			ENGINEER F. Shane		
2. DIMENSION LIMITS HELD AFTER PLATING.			CHECKED		
3. REMOVE BURRS AND SHARP EDGES .015 MAX.					
4. MACHINED FILLET RADII .0150-.030.			PROJECT NO. 300062		
5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005			PROJECT DMO Rachel Carson		
6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.					
DO NOT SCALE DRAWING			WEIGHT	REV.	
			SHEET 5 OF 8		

