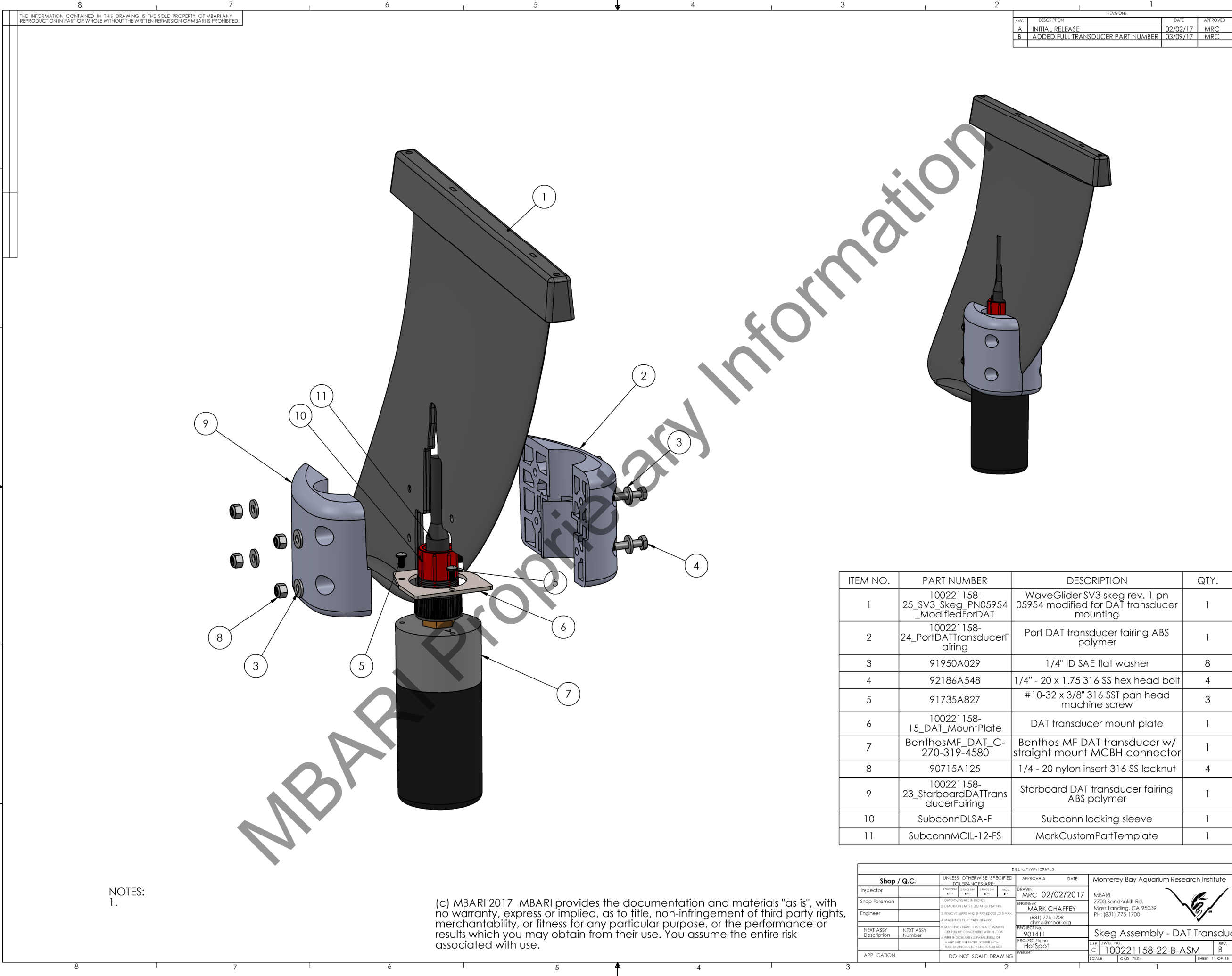




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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	02/02/17	MRC
B	ADDED FULL TRANSDUCER PART NUMBER	03/09/17	MRC

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	100221158-25_SV3_Skeg_PN05954_ModifiedForDAT	WaveGlider SV3 skeg rev. 1 pn 05954 modified for DAT transducer mounting	1
2	100221158-24_PortDATtransducerFairing	Port DAT transducer fairing ABS polymer	1
3	91950A029	1/4" ID SAE flat washer	8
4	92186A548	1/4" - 20 x 1.75 316 SS hex head bolt	4
5	91735A827	#10-32 x 3/8" 316 SST pan head machine screw	3
6	100221158-15_DAT_MountPlate	DAT transducer mount plate	1
7	BenthosMF_DAT_C-270-319-4580	Benthos MF DAT transducer w/ straight mount MCBH connector	1
8	90715A125	1/4 - 20 nylon insert 316 SS locknut	4
9	100221158-23_StarboardDATTransducerFairing	Starboard DAT transducer fairing ABS polymer	1
10	SubconnDLSA-F	Subconn locking sleeve	1
11	SubconnMCIL-12-FS	MarkCustomPartTemplate	1

NOTES:
1.

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BILL OF MATERIALS			
Shop / Q.C.	UNLESS OTHERWISE SPECIFIED	APPROVALS	DATE
Inspector	TOLERANCES	DRAWN	02/02/2017
Shop Foreman	FRACTIONAL DECIMAL FRACTION INCHES	ENGINEER	MARK CHAFFEY
Engineer	1/16" 1/32" 1/64" .001" .005" .010" .015" .020" .030" .040" .050" .060" .070" .080" .090" .100"		MBARI
	2. DIMENSIONS UNLESS OTHERWISE SPECIFIED ARE IN INCHES		7700 Sandholdt Rd.
	3. REMOVE BURRS AND SHARP EDGES (2X MAX.)		Moss Landing, CA 95039
	4. MACHINED FILLER RADI (2X MAX.)		PH: (831) 775-1700
	5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCERNING WITH (2X MAX.)		
	6. REFERENCE SURFACES TO PARALLELISM OF MACHINED SURFACES (2X PER INCH, MAX.) (2X INCHES FOR SINGLE SURFACE)		
NEXT ASSY Description	NEXT ASSY Number	PROJECT No.	901411
		PROJECT Name	HotSpot
APPLICATION	DO NOT SCALE DRAWING	WEIGHT	
		SCALE	CAD FILE
		SHEET	11 OF 13

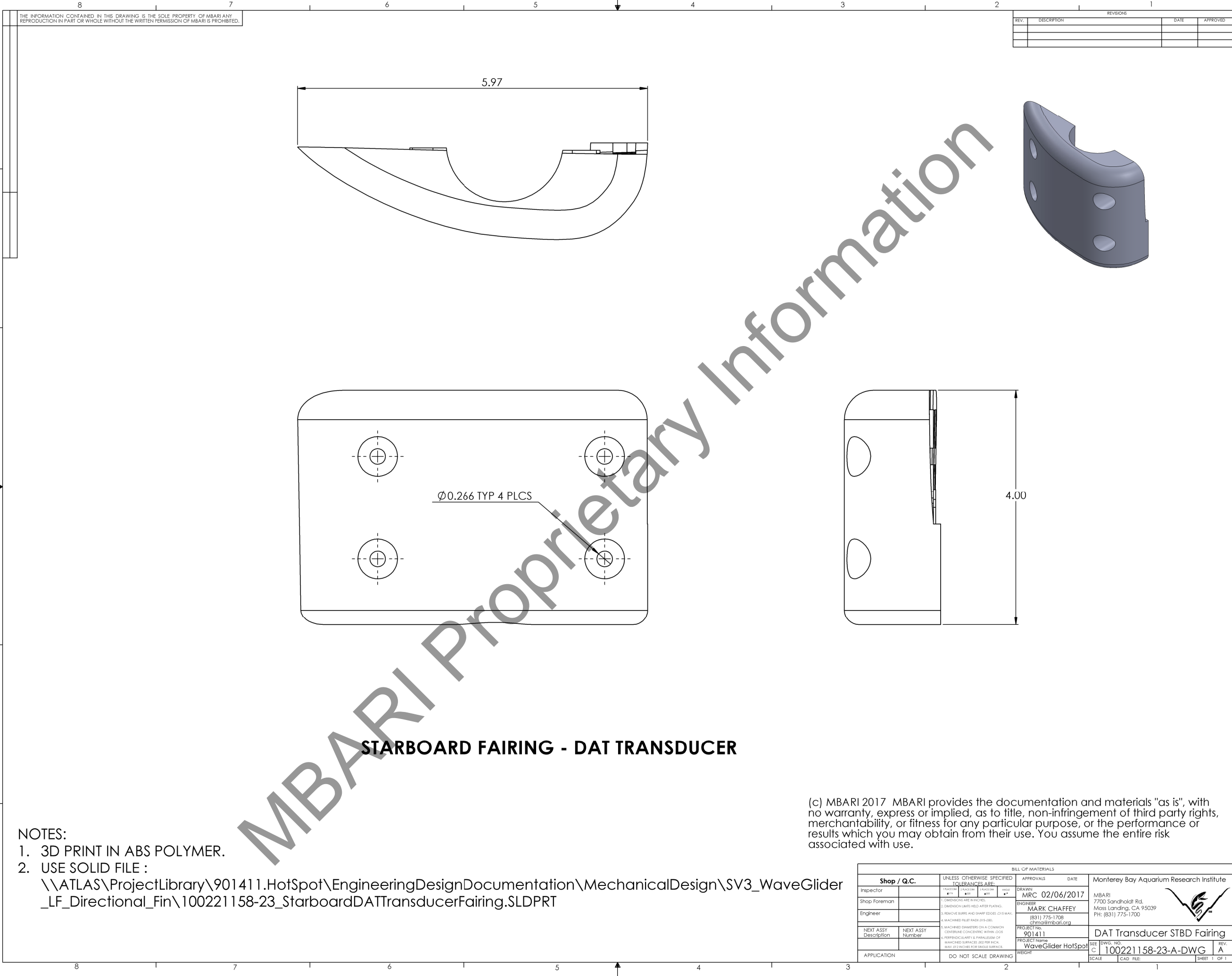
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Moss Landing, CA 95039
PH: (831) 775-1700



Skeg Assembly - DAT Transducer

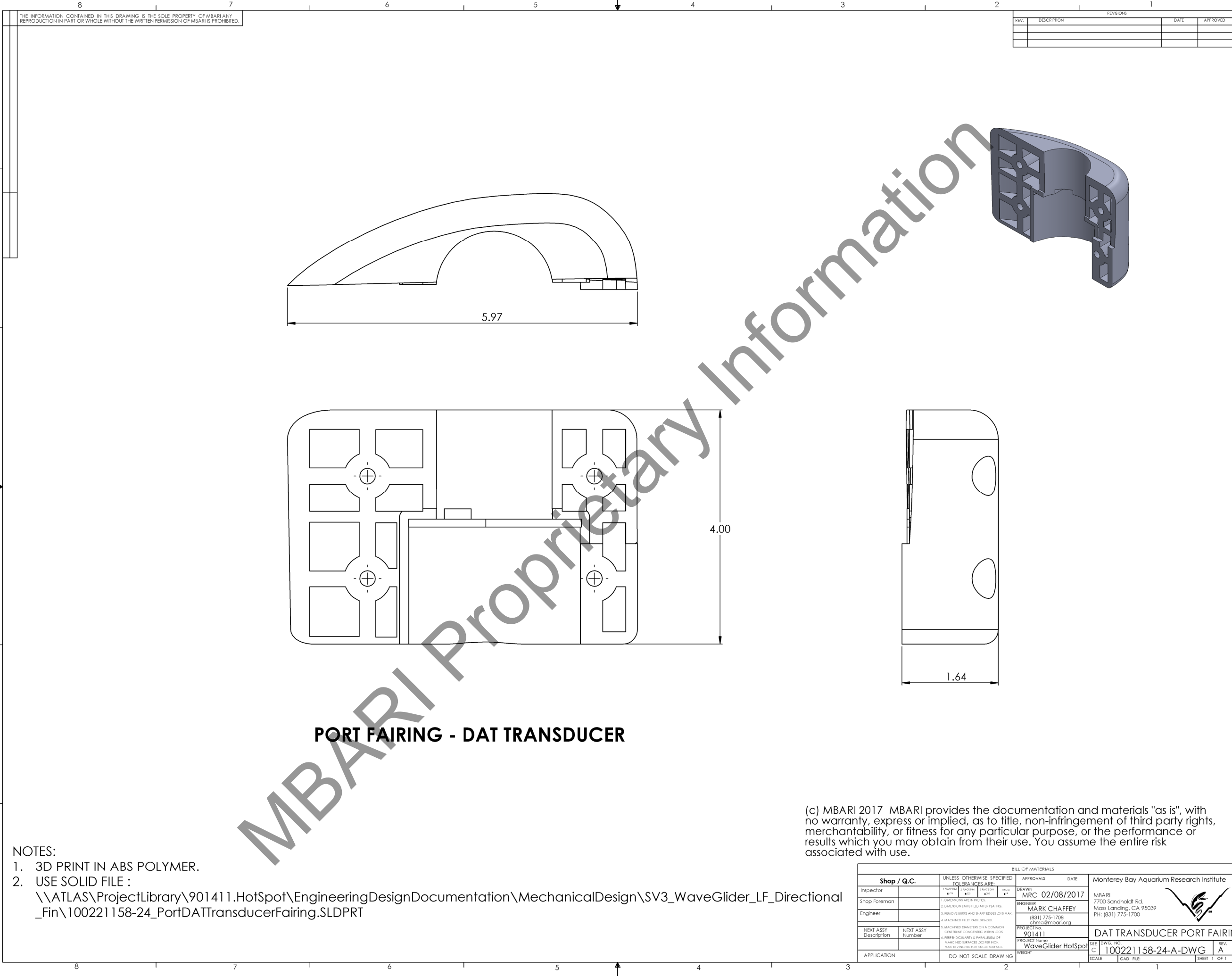
100221158-22-B-ASM



NOTES:
1. 3D PRINT IN ABS POLYMER.
2. USE SOLID FILE :
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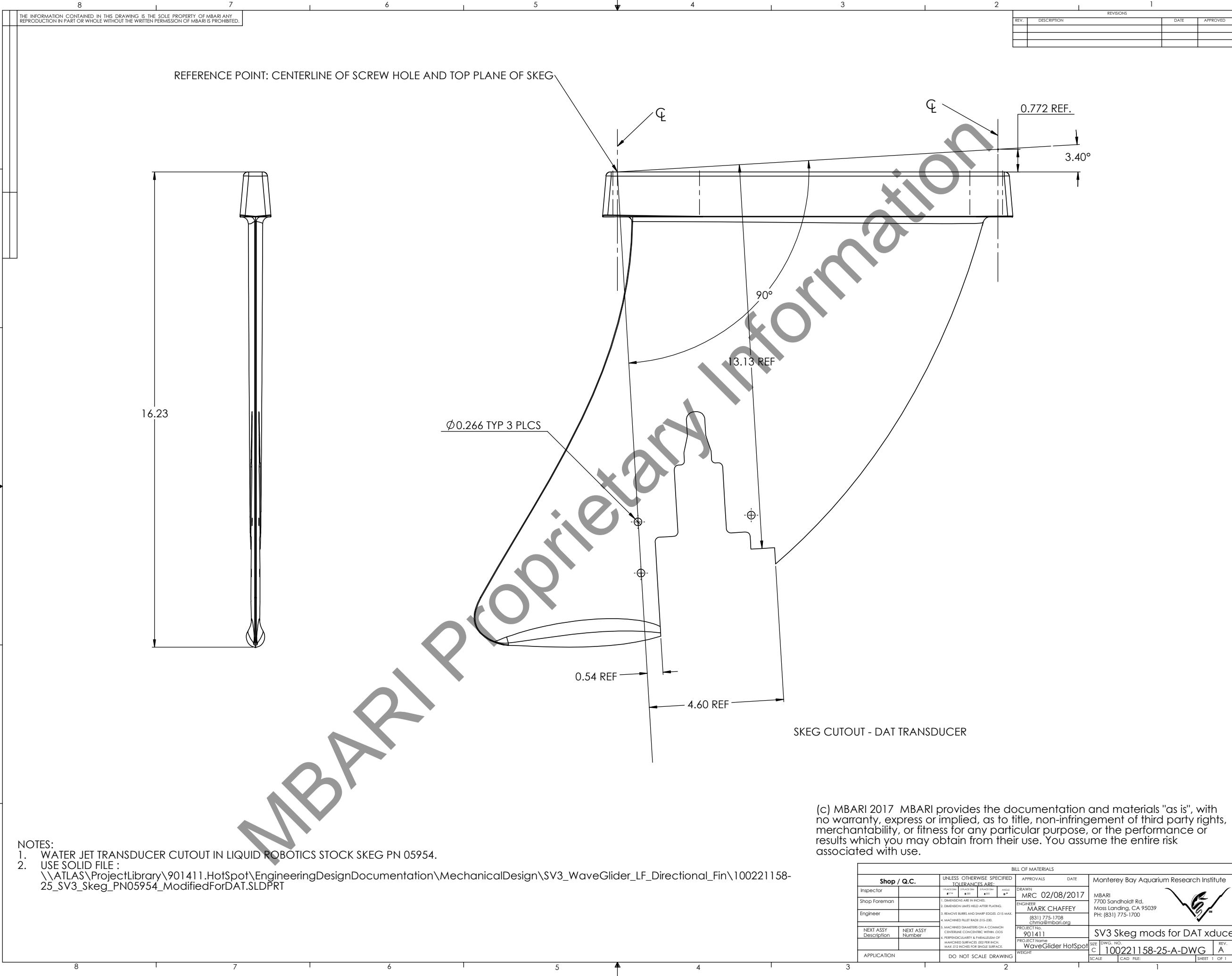
BILL OF MATERIALS																							
Shop / Q.C.				UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS DATE				Monterey Bay Aquarium Research Institute											
Inspector				1. FRACTION 2. DECIMAL 3. FRACTION 4. DECIMAL 5. FRACTION 6. DECIMAL				DRAWN MRC 02/06/2017				MBARI 7700 Sandholdt Rd. Moss Landing, CA 95039 PH: (831) 775-1700											
Shop Foreman				1. DIMENSIONS ARE IN INCHES. 2. DIMENSION LIMITS HELD AFTER PLATING.				ENGINEER MARK CHAFFEY (831) 775-1708 chm@mbari.org															
Engineer				3. REMOVE BURRS AND SHARP EDGES 0.05 MAX. 4. MACHINED FILLER RADI 0.05 MAX. 5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCERNING WITH 0.05 6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES (0.02 PER INCH, MAX) (0.05 INCHES FOR SINGLE SURFACE)				PROJECT No. 901411				DAT Transducer STBD Fairing											
NEXT ASSY Description				NEXT ASSY Number				PROJECT Name WaveGlider HotSpot				SIZE DWG. NO. 100221158-23-A-DWG. REV. A											
APPLICATION				DO NOT SCALE DRAWING				WEIGHT				SCALE CAD FILE: SHEET 1 OF 1											



NOTES:
1. 3D PRINT IN ABS POLYMER.
2. USE SOLID FILE :
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Shop / Q.C.		UNLESS OTHERWISE SPECIFIED		TOLERANCES ARE		APPROVALS		DATE		Monterey Bay Aquarium Research Institute	
Inspector		1. FRACTIONAL	2. DECIMAL	3. HUNDRETHS	4. ANGLES	DRAWN	MRC	02/08/2017		MBARI	
Shop Foreman		5. DIMENSIONS IN INCHES				ENGINEER	MARK CHAFFEY			7700 Sandholdt Rd.	
Engineer		6. DIMENSIONS IN MILLIMETERS					(831) 775-1708			Mass Landing, CA 95039	
		7. REMOVE BURRS AND SHARP EDGES (0.05 MAX.)					chm@mbaui.org			PH: (831) 775-1700	
		8. MACHINED FILLER RADI (0.15-0.20)				PROJECT NO.	901411				
NEXT ASSY Description	NEXT ASSY Number	9. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCERNING WITH (0.05)				PROJECT Name	WaveGlider HotSpot				
		10. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES (0.02 PER INCH, MAX) (0.05 INCHES FOR SINGLE SURFACE)				WEIGHT					
APPLICATION		DO NOT SCALE DRAWING				SCALE					



NOTES:
1. WATER JET TRANSDUCER CUTOUT IN LIQUID ROBOTICS STOCK SKEG PN 05954.
2. USE SOLID FILE :
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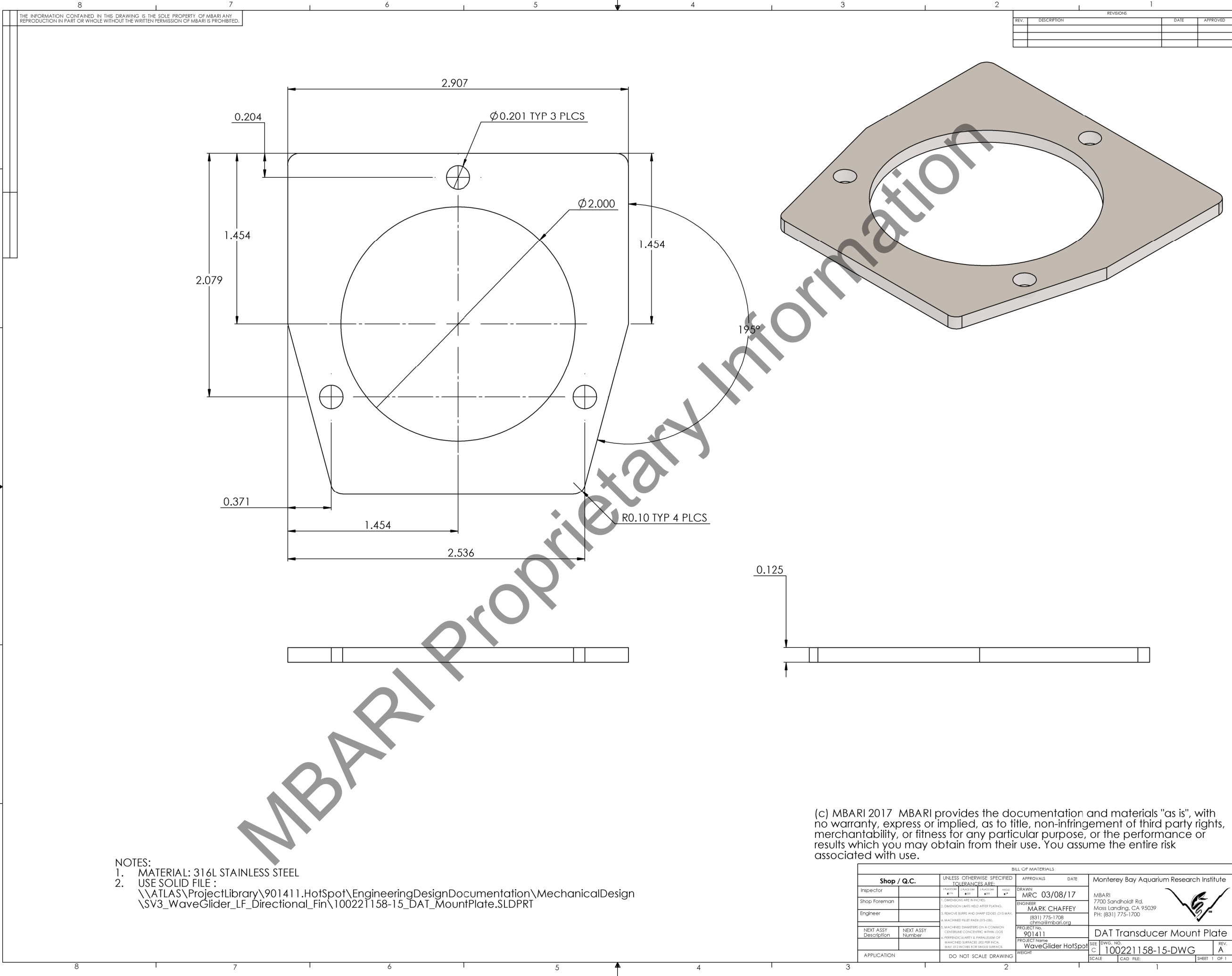
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Shop / Q.C.				BILL OF MATERIALS			
Inspector		UNLESS OTHERWISE SPECIFIED		APPROVALS		DATE	
Shop Foreman		TOLERANCES ARE:		DRAWN		MRC 02/08/2017	
Engineer		1. DIMENSIONS ARE IN INCHES.		ENGINEER		MARK CHAFFEY	
		2. DIMENSION LINES HELD AFTER PLATING.				(831) 775-1708	
		3. REMOVE BURRS AND SHARP EDGES (D15 MAX).				chm10@mbari.org	
		4. MACHINED FILLET RADIUS (D15-D30).		PROJECT NO.		901411	
		5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCERNING WITHIN .005.		PROJECT NAME		WaveGlider HotSpot	
		6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .005 PER INCH. MAX .015 INCHES FOR SINGLE SURFACE.		WEIGHT			
		DO NOT SCALE DRAWING		SCALE		CAD FILE	
				SHEET		1 OF 1	

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Moss Landing, CA 95039
Ph: (831) 775-1700



SV3 Skeg mods for DAT xducer



NOTES:
1. MATERIAL: 316L STAINLESS STEEL
2. USE SOLID FILE :
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\SV3_WaveGlider_LF_Directional_Fin\100221158-15_DAT_MountPlate.SLDprt

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Shop / Q.C.				UNLESS OTHERWISE SPECIFIED				APPROVALS				DATE				Monterey Bay Aquarium Research Institute																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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