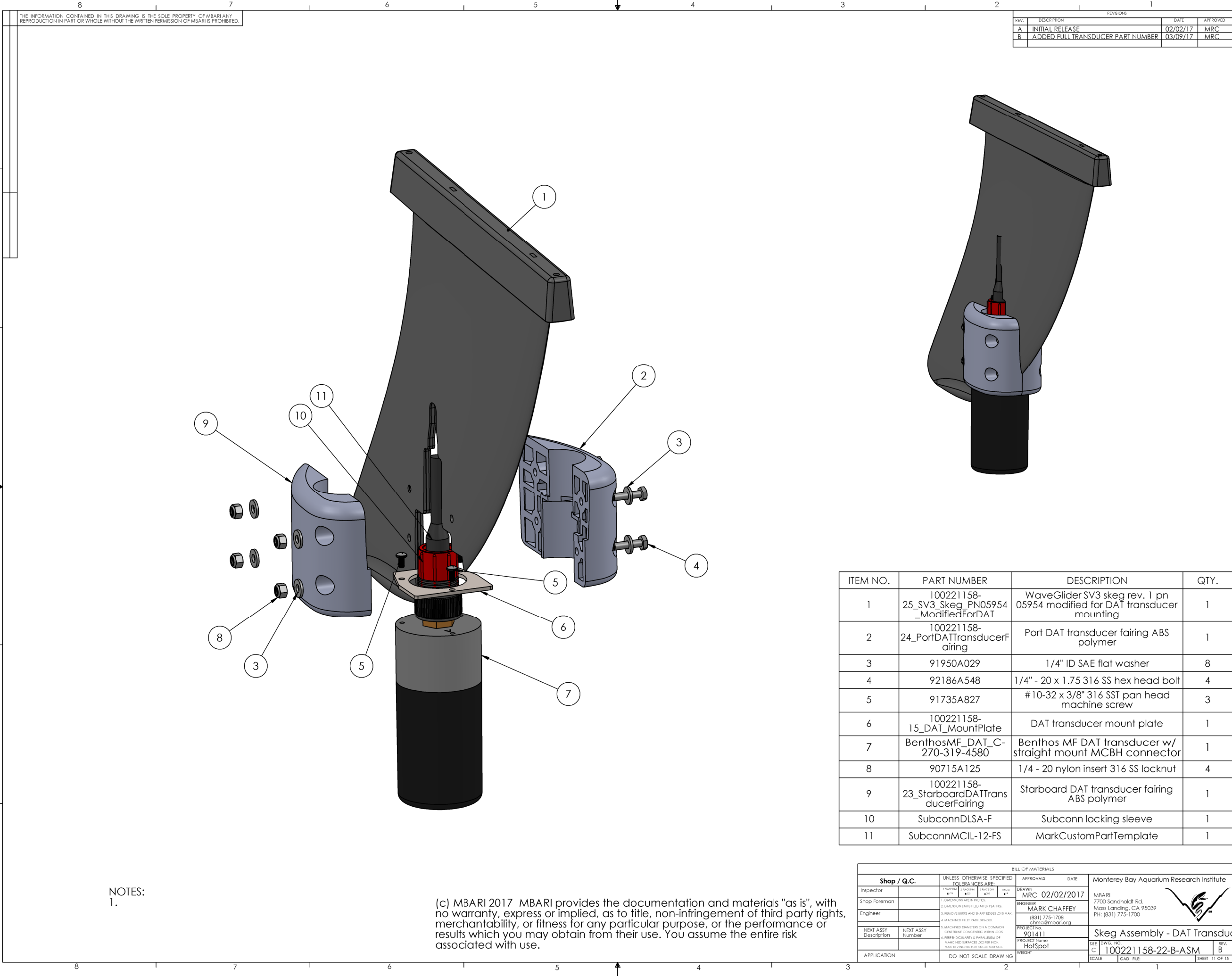




THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF MBARI. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF MBARI IS PROHIBITED.

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.

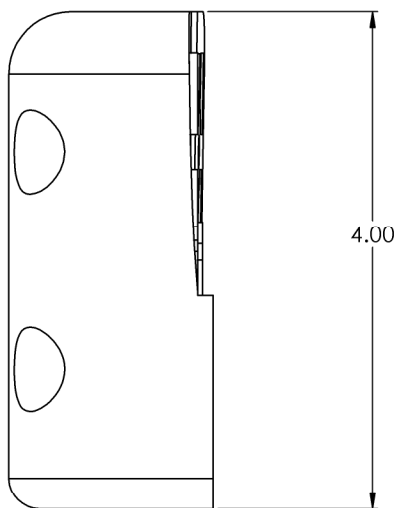
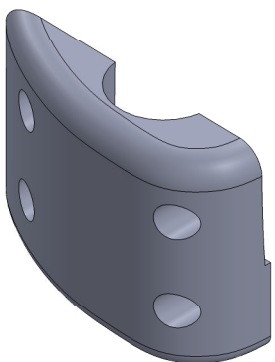
(c) MBARI 2017 MBARI provides the documentation and materials "as is", with no warranty, express or implied, as to title, non-infringement of third party rights, merchantability, or fitness for any particular purpose, or the performance or results which you may obtain from their use. You assume the entire risk associated with use.

BILL OF MATERIALS			
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED	APPROVALS
Inspector		TOLERANCES ARE: FRACTIONS DECIMALS INCHES #1/16 .001 .001	DATE
Shop Foreman		1. DIMENSIONS UNLESS OTHERWISE SPECIFIED.	DRAWN
Engineer		2. REMOVE BURRS AND SHARP EDGES (2X MAX).	MRC 02/02/2017
		3. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCERNING WITHIN .001.	ENGINEER
NEXT ASSY Description	NEXT ASSY Number	4. MACHINED SURFACES UNLESS OTHERWISE SPECIFIED.	MARK CHAFFEY
		5. MACHINED SURFACES UNLESS OTHERWISE SPECIFIED.	(831) 775-1708
APPLICATION		6. MACHINED SURFACES UNLESS OTHERWISE SPECIFIED.	chm@mbari.org
		DO NOT SCALE DRAWING	PROJECT No.
			901411
			PROJECT Name
			HotSpot
			WEIGHT
			SCALE
			CAD FILE
			SHEET 11 OF 13

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



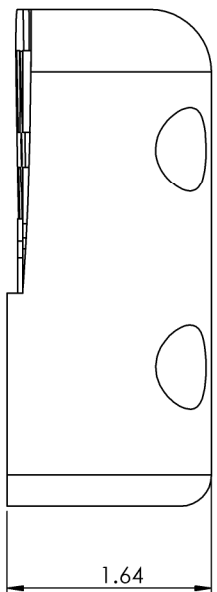
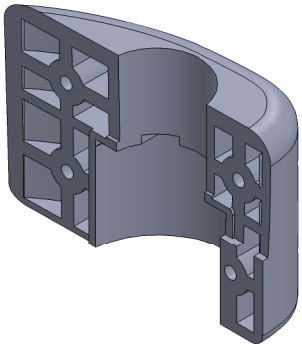
Skeg Assembly - DAT Transducer
REV. B



(c) MBARI 2017 MBARI provides the documentation and materials "as is", with no warranty, express or implied, as to title, non-infringement of third party rights, merchantability, or fitness for any particular purpose, or the performance or results which you may obtain from their use. You assume the entire risk associated with use.

\\ATLAS\ProjectLibrary\901411.HotSpot\EngineeringDesignDocumentation\MechanicalDesign\SV3_WaveGlider_LF_Directional_Fin\100221158-23_StarboardDATTransducerFairing.SLDPRT

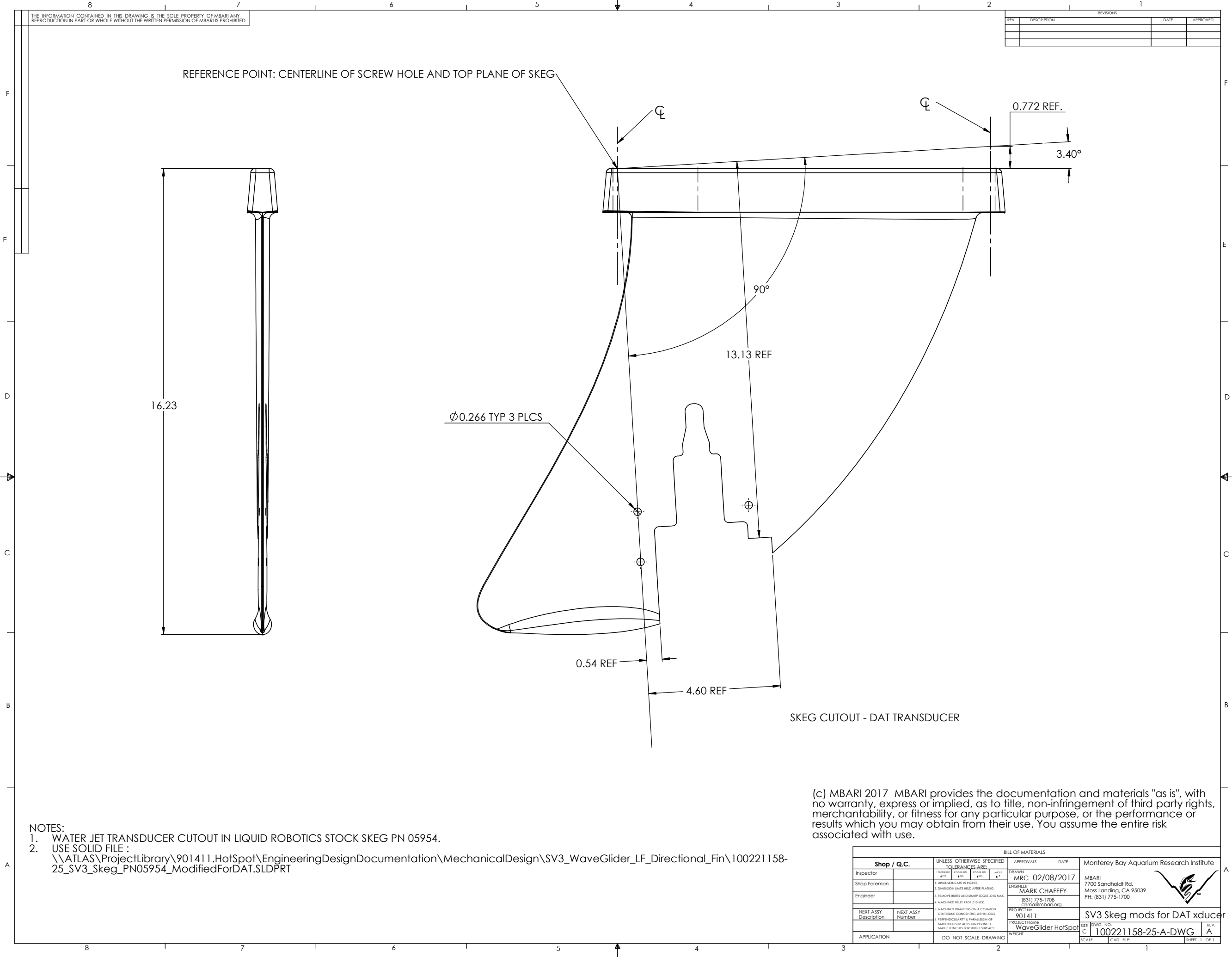
BILL OF MATERIALS										
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:			APPROVALS		DATE		Monterey Bay Aquarium Research Institute	
Inspector		±.0005 INCH	±.001 INCH	±.002 INCH	DRAWN	MRC	02/06/2017	MBAR		
Shop Foreman		1. UNLESS OTHERWISE IN INCHES 2. UNLESS OTHERWISE NOTED WITH TYPING 3. UNLESS OTHERWISE NOTED WITH DIMENSIONS			ENGINEER	MARK CHAFFEY		7700 Sandhill Rd. Moss Landing, CA 95039 PH: (831) 775-1700		
Engineer		4. ROUNDED CORNERS AND CHAMFER EDGES: .015 MAX. 5. MACHINED FLAT FLAT: .002 INCH			(831) 775-1708 mrc@mba.mbari.org					
NEXT ASSY Description	NEXT ASSY Number				PROJECT No.	90141		DATE Transducer STBD Fairing		
					PROJECT Name	WaveGlider HotSpot		SIZE DWG. No.		REV.
APPLICATION		DO NOT SCALE DRAWING			WEIGHT			C 100221158-23-A-DWG		A
					SCALE	CAD FILE		SHEET	1	OF



(c) MBARI 2017 MBARI provides the documentation and materials "as is", with no warranty, express or implied, as to title, non-infringement of third party rights, merchantability, or fitness for any particular purpose, or the performance or results which you may obtain from their use. You assume the entire risk associated with use.

1. 3D PRINT IN ABS POLYMER.
2. USE SOLID FILE :
\\ATLAS\ProjectLibrary\901411.HotSpot\EngineeringDesignDocumentation\MechanicalDesign\SV3_WaveGlider_LF_Directional_Fin\100221158-24_PortDATTransducerFairing.SLDPRT

BILL OF MATERIALS									
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:			APPROVALS DATE		Monterey Bay Aquarium Research Institute		
Inspector		THICKNESS #1/16"	FLATNESS 1/32"	FACE FINISH #10	APPROVAL	DRAWN MRC 02/08/2017		MBARI 7700 Sandholdt Rd. Moss Landing, CA 95039 PH: (831) 775-1700	
Shop Foreman		1. UNDRAGGED ARE FINISHED.			ENGINEER MARK CHAFFEY				
Engineer		2. DIMENSIONS UNLESS NOTED AFTER PLATING.			(831) 775-1706 mchaiff@mbari.org				
		3. DRAGGAGE BURRS AND SHARP EDGES (D) 5/32 DIA.							
		4. MACHINED FLAT RAKE 20-0-00.			PROJECT No. 901411	DATA TRANSDUCER PORT FAIRING			
NEXT ASSY Description	NEXT ASSY Number	5. MACHINED DIAMETERS ON A COMMON CENTRELINE CONCERNING WITHIN 0.005.			PROJECT Name WaveGlider HotSpot	SIZE C	DWG. No. 100221158-24-A-DWG	REV. A	
APPLICATION		DO NOT SCALE DRAWING				WEIGHT	SCALE	CAD FILE:	SHEET 1 OF 4



NOTES:

1. WATER JET TRANSDUCER CUTOUT IN LIQUID ROBOTICS STOCK SKEG PN 05954.
2. USE SOLID FILE :
\\ATLAS\ProjectLibrary\901411.HotSpot\EngineeringDesignDocumentation\MechanicalDesign\SV3_WaveGlider_LF_Directional_Fin\100221158-25_SV3_Skeg_PN05954_ModifiedForDAT.SLDPRT

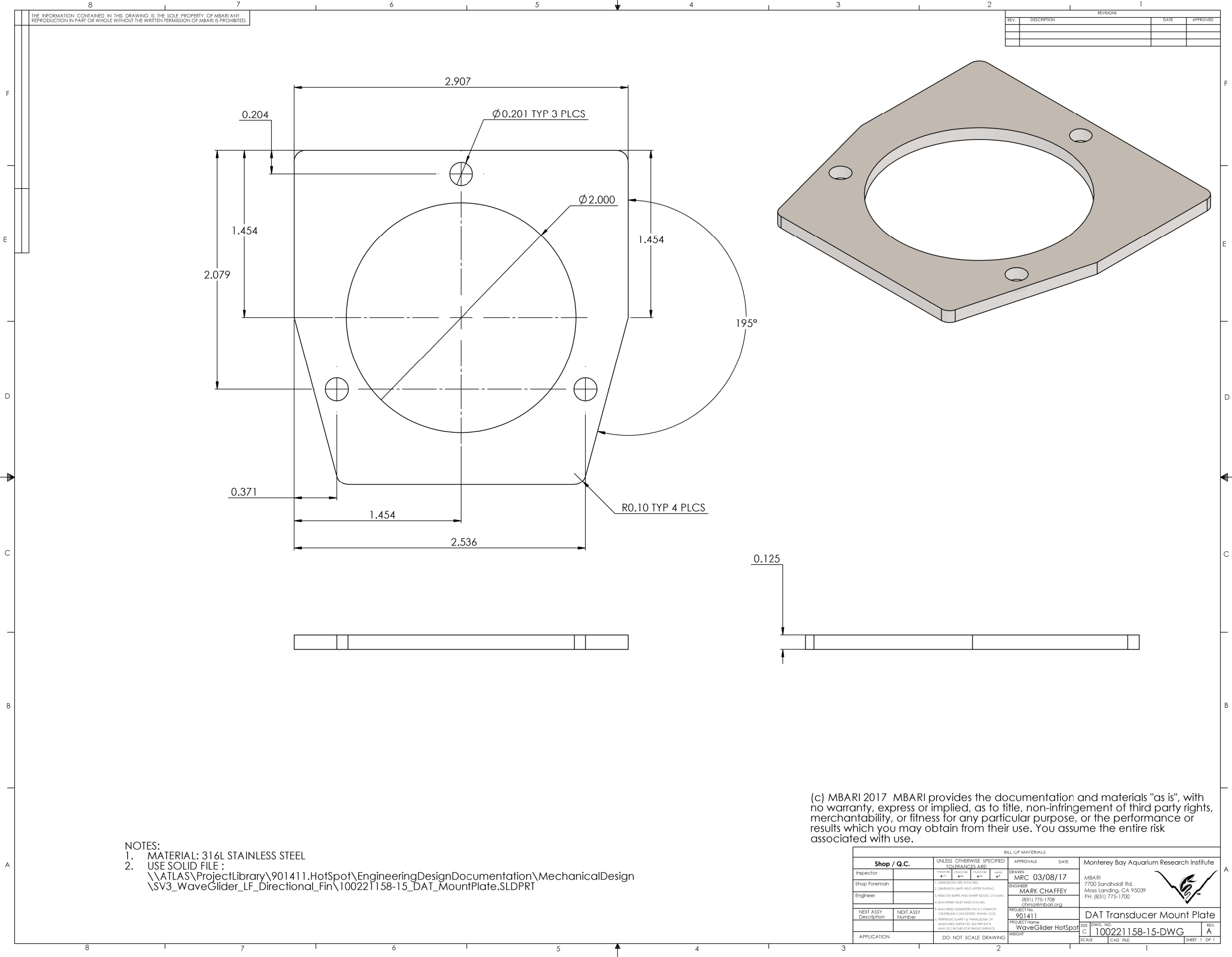
(c) MBARI 2017 MBARI provides the documentation and materials "as is", with no warranty, express or implied, as to title, non-infringement of third party rights, merchantability, or fitness for any particular purpose, or the performance or results which you may obtain from their use. You assume the entire risk associated with use.

Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE		Monterey Bay Aquarium Research Institute	
Inspector		FRACTIONS	DECIMALS	ANGLES	INCHES	DRAWN					
Shop Foreman		1/16	0.0625	1/32	0.03125	MRC	02/08/2017			MBARI	
Engineer		1. DIMENSIONS ARE IN INCHES.				ENGINEER				7700 Sandholdt Rd.	
		2. DIMENSION LINES HELD AFTER PLATING.				MARK CHAFFEY				Moss Landing, CA 95039	
		3. REMOVE BURRS AND SHARP EDGES 0.15 MAX.				(831) 775-1708				PH: (831) 775-1700	
		4. MACHINED FILLET RADIUS 0.15-0.30.				chmair@mbari.org					
NEXT ASSY Description	NEXT ASSY Number	5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCERNING WITHIN 0.015				PROJECT NO.	901411	SV3 Skag mods for DAT xduce			
		6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES 0.01 PER INCH, MAX 0.15 INCHES FOR SINGLE SURFACE.				PROJECT Name	WaveGlider HotSpot	DWG. NO. 100221158-25-A-DWG			
APPLICATION		DO NOT SCALE DRAWING				WEIGHT		SCALE CAD FILE: SHEET 1 OF 1			



Monterey Bay Aquarium Research Institute
7700 Sandholdt Rd.
Moss Landing, CA 95039
Ph: (831) 775-1708
chm10@mbari.org

SV3 Skeg mods for DAT xducer



NOTES:
1. MATERIAL: 316L STAINLESS STEEL
2. USE SOLID FILE :
\\ATLAS\ProjectLibrary\901411.HotSpot\EngineeringDesignDocumentation\MechanicalDesign
\SV3_WaveGlider_LF_Directional_Fin\100221158-15_DAT_MountPlate.SLDPRT

(c) MBARI 2017 MBARI provides the documentation and materials "as is", with no warranty, express or implied, as to title, non-infringement of third party rights, merchantability, or fitness for any particular purpose, or the performance or results which you may obtain from their use. You assume the entire risk associated with use.

BILL OF MATERIALS											
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE		Monterey Bay Aquarium Research Institute	
Inspector		POSITION	DATE	TIME	INITIALS	DRAWN		MRC 03/08/17		MBARI	
Shop Foreman		1. DIMENSIONS ARE IN INCHES.				ENGINEER		MARK CHAFFEY		7700 Sandholdt Rd.	
Engineer		2. DIMENSIONS UNITS: HELD AFTER PLATING.						(831) 775-1708		Mass Landing, CA 95039	
		3. REMOVE BURRS AND SHARP EDGES (0.05 MAX).						chm@mbat.org		PH: (831) 775-1700	
		4. MACHINED FILL RADIUS (0.15-0.20).				PROJECT No.		901411		DAT Transducer Mount Plate	
NEXT ASSY Description	NEXT ASSY Number	5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCERNING WITH ODS				PROJECT Name		WaveGlider HotSpot			
		6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES (0.02 PER INCH, MAX) (0.05 INCHES FOR SINGLE SURFACE)				WEIGHT		C		100221158-15-DWG	
APPLICATION		DO NOT SCALE DRAWING						SCALE		CAD FILE	
										SHEET 1 OF 1	