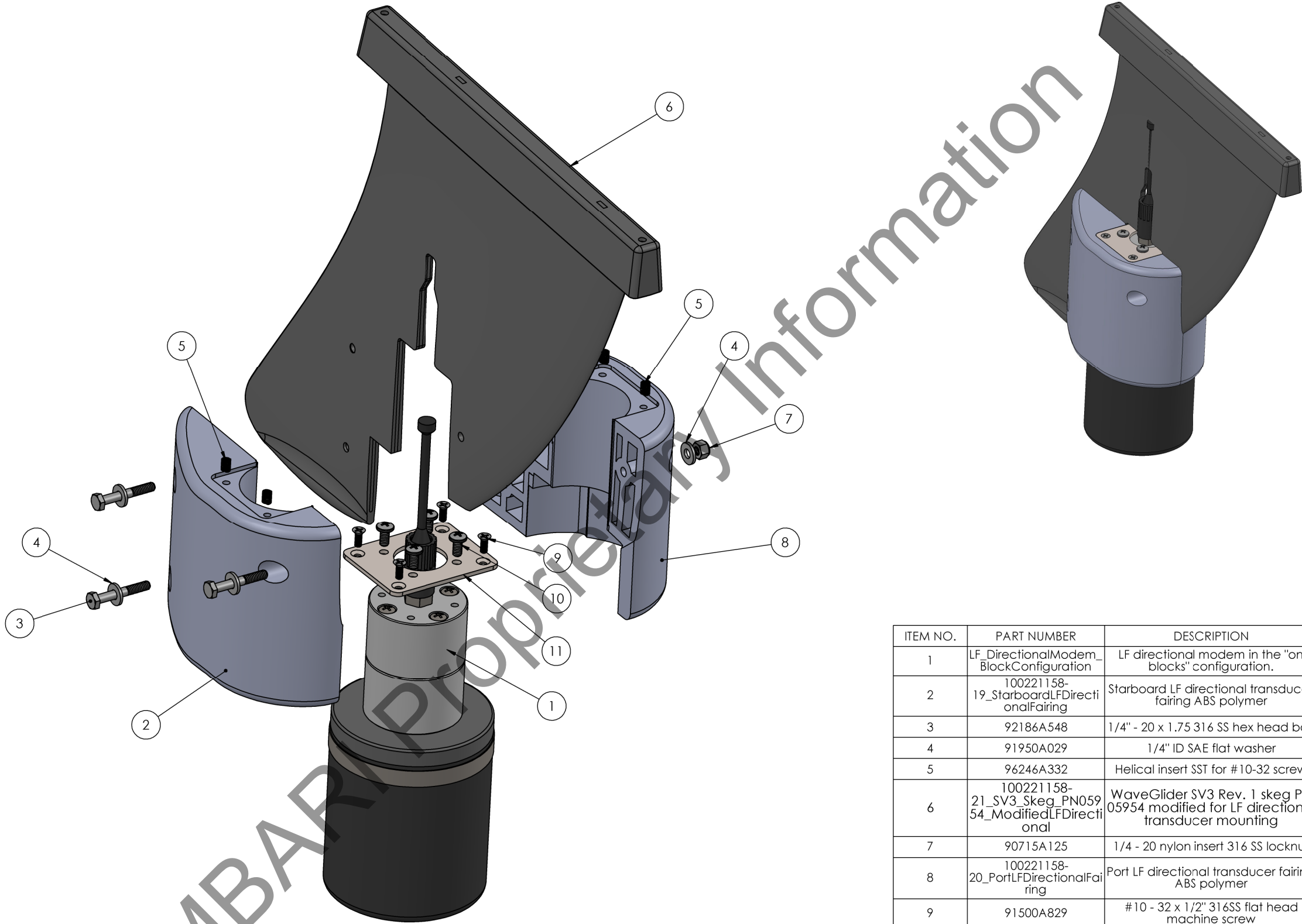


REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	XX/XX/XX	MRC



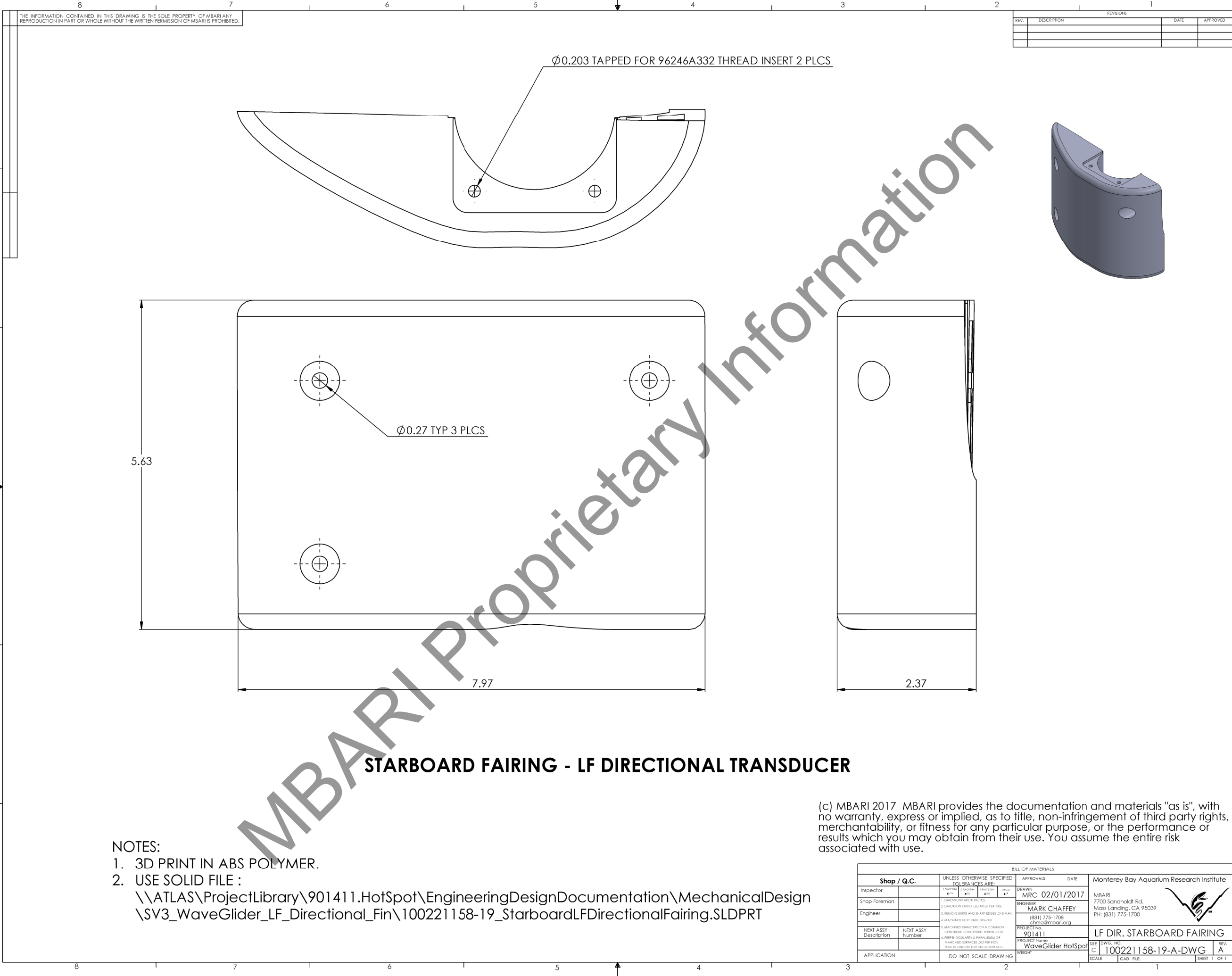
NOTES:
1.

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ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	LF_DirectionalModem_BlockConfiguration	LF directional modem in the "on blocks" configuration.	1
2	100221158-19_StarboardLFDirecti onalFairing	Starboard LF directional transducer fairing ABS polymer	1
3	92186A548	1/4" - 20 x 1.75 316 SS hex head bolt	3
4	91950A029	1/4" ID SAE flat washer	6
5	96246A332	Helical insert SST for #10-32 screw	4
6	100221158-21_SV3_Skeg_PN05954_ModifiedLFDirecti onal	WaveGlider SV3 Rev. 1 skeg PN 05954 modified for LF directional transducer mounting	1
7	90715A125	1/4 - 20 nylon insert 316 SS locknut	3
8	100221158-20_PortLFDirectionalFairing	Port LF directional transducer fairing ABS polymer	1
9	91500A829	#10 - 32 x 1/2" 316SS flat head machine screw	4
10	91735A537	1/4 - 20 x 1/2" 316 SS pan head machine screw	4
11	100221158-16_LFDirectionalMount Plate	Mounting plate for the LF directional hydrophone.	1

Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE		APPROVALS		DATE		Monterey Bay Aquarium Research Institute	
Inspector		FRACTIONAL	DECIMAL	DRAWN	MRC	02/01/2017		MBARI	
Shop Foreman		±.010	±.005	ENGINEER	MARK CHAFFEY			7700 Sandholdt Rd.	
Engineer		±.005	±.002		(831) 775-1708			Mass Landing, CA 95039	
		±.001	±.0005		chm@mbat.org			PH: (831) 775-1700	
NEXT ASSY Description	NEXT ASSY Number	5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCERNING WITH GD&S		PROJECT No.	901411	PROJECT Name		LF Dir. Transducer Skeg Assem.	
		6. MACHINED SURFACES UNLESS OTHERWISE SPECIFIED		WaveGlider HotSpot		DWG. NO.		100221158-18-A-ASM	
		7. MACHINED SURFACES UNLESS OTHERWISE SPECIFIED		WEIGHT		SCALE			
APPLICATION		DO NOT SCALE DRAWING				CAD FILE			





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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED

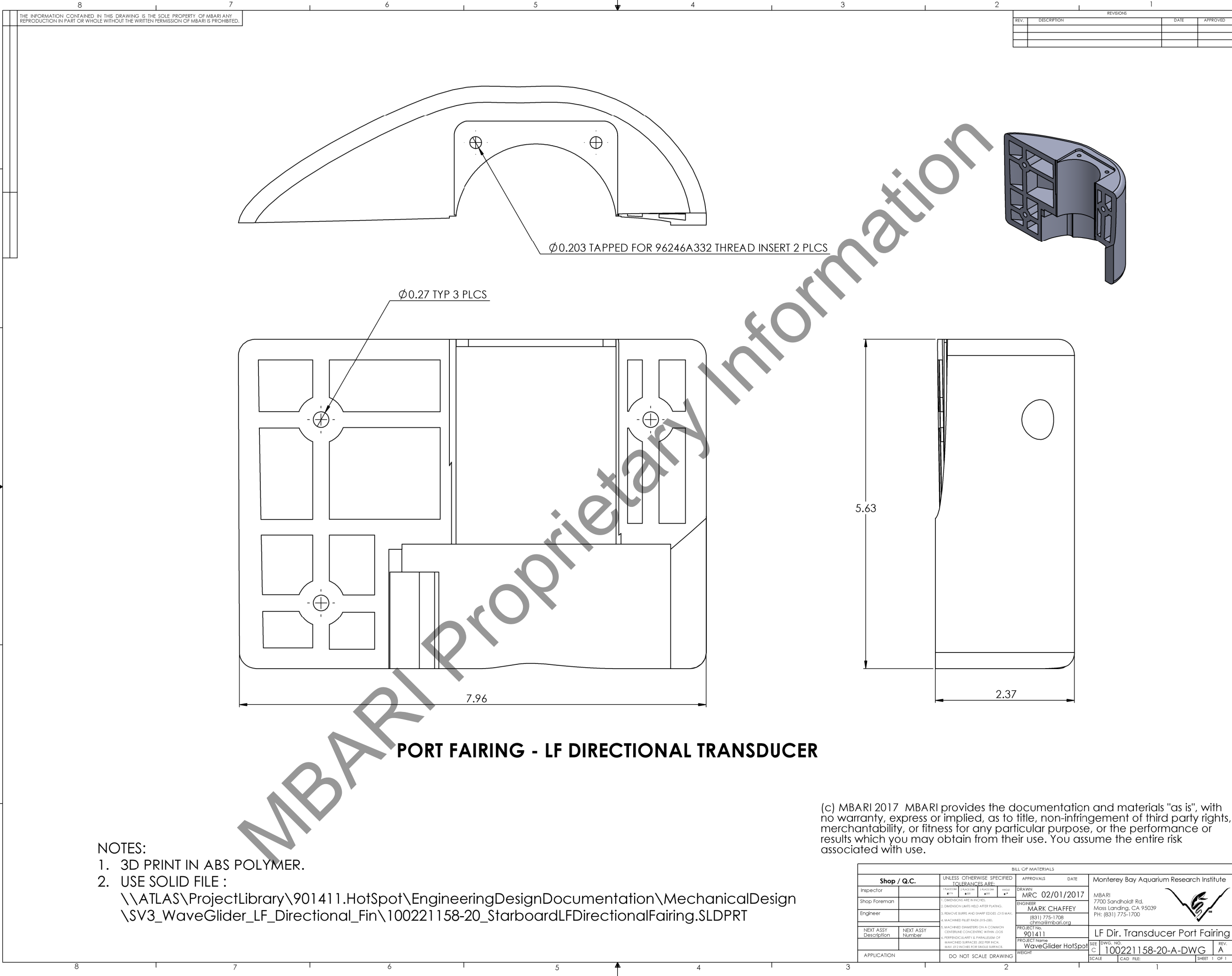
STARBOARD FAIRING - LF DIRECTIONAL TRANSDUCER

NOTES:

- 3D PRINT IN ABS POLYMER.
- USE SOLID FILE :
\\ATLAS\ProjectLibrary\901411.HotSpot\EngineeringDesignDocumentation\MechanicalDesign
\SV3_WaveGlider_LF_Directional_Fin\100221158-19_StarboardLFDirectionalFairing.SLDPRT

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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. ANGLES	4. HOLE	5. HOLE	6. HOLE	7. HOLE	8. HOLE	DRAWN				MRC	02/01/2017			MBARI			
Shop Foreman				9. DIMENSIONAL	10. DIMENSIONAL	11. DIMENSIONAL	12. DIMENSIONAL	13. DIMENSIONAL	14. DIMENSIONAL	15. DIMENSIONAL	16. DIMENSIONAL	ENGINEER				MARK CHAFFEY				7700 Sandholdt Rd.			
Engineer				17. DIMENSIONAL	18. DIMENSIONAL	19. DIMENSIONAL	20. DIMENSIONAL	21. DIMENSIONAL	22. DIMENSIONAL	23. DIMENSIONAL	24. DIMENSIONAL					(831) 775-1708				Moss Landing, CA 95039			
				25. DIMENSIONAL	26. DIMENSIONAL	27. DIMENSIONAL	28. DIMENSIONAL	29. DIMENSIONAL	30. DIMENSIONAL	31. DIMENSIONAL	32. DIMENSIONAL					chm@mba.org				PH: (831) 775-1700			
NEXT ASSY Description				33. DIMENSIONAL	34. DIMENSIONAL	35. DIMENSIONAL	36. DIMENSIONAL	37. DIMENSIONAL	38. DIMENSIONAL	39. DIMENSIONAL	40. DIMENSIONAL	PROJECT No.				901411				LF DIR. STARBOARD FAIRING			
NEXT ASSY Number				41. DIMENSIONAL	42. DIMENSIONAL	43. DIMENSIONAL	44. DIMENSIONAL	45. DIMENSIONAL	46. DIMENSIONAL	47. DIMENSIONAL	48. DIMENSIONAL	PROJECT Name				WaveGlider HotSpot							
APPLICATION				49. DIMENSIONAL	50. DIMENSIONAL	51. DIMENSIONAL	52. DIMENSIONAL	53. DIMENSIONAL	54. DIMENSIONAL	55. DIMENSIONAL	56. DIMENSIONAL	WEIGHT								SCALE			
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				65. DIMENSIONAL	66. DIMENSIONAL	67. DIMENSIONAL	68. DIMENSIONAL	69. DIMENSIONAL	70. DIMENSIONAL	71. DIMENSIONAL	72. DIMENSIONAL									SHEET	1	OF	1



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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED

NOTES:
1. 3D PRINT IN ABS POLYMER.
2. USE SOLID FILE :
\\ATLAS\ProjectLibrary\901411.HotSpot\EngineeringDesignDocumentation\MechanicalDesign
\SV3_WaveGlider_LF_Directional_Fin\100221158-20_StarboardLFDirectionalFairing.SLDPRT

PORT FAIRING - LF DIRECTIONAL TRANSDUCER

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BILL OF MATERIALS												Monterey Bay Aquarium Research Institute												
Shop / Q.C.				UNLESS OTHERWISE SPECIFIED TOLERANCES ARE				APPROVALS				DATE												
Inspector				1. DECIMALS FRACTIONS ANGLES ROUNDS	2. FRACTIONS FRACTIONS FRACTIONS FRACTIONS	3. ANGLES FRACTIONS FRACTIONS FRACTIONS	4. ROUNDS FRACTIONS FRACTIONS FRACTIONS	5. Holes FRACTIONS FRACTIONS FRACTIONS	6. Slots FRACTIONS FRACTIONS FRACTIONS	7. Chamfers FRACTIONS FRACTIONS FRACTIONS	8. Fillets FRACTIONS FRACTIONS FRACTIONS	9. Drafts FRACTIONS FRACTIONS FRACTIONS	10. Welds FRACTIONS FRACTIONS FRACTIONS	11. Threads FRACTIONS FRACTIONS FRACTIONS	12. Surface Finish FRACTIONS FRACTIONS FRACTIONS					13. Coatings FRACTIONS FRACTIONS FRACTIONS	14. Heat Treat FRACTIONS FRACTIONS FRACTIONS	15. Material FRACTIONS FRACTIONS FRACTIONS	16. Quantity FRACTIONS FRACTIONS FRACTIONS	17. Unit FRACTIONS FRACTIONS FRACTIONS
Shop Foreman				1. DECIMALS ARE IN FRACTIONS.	2. DECIMALS ARE IN FRACTIONS.	3. DECIMALS ARE IN FRACTIONS.	4. DECIMALS ARE IN FRACTIONS.	5. DECIMALS ARE IN FRACTIONS.	6. DECIMALS ARE IN FRACTIONS.	7. DECIMALS ARE IN FRACTIONS.	8. DECIMALS ARE IN FRACTIONS.	9. DECIMALS ARE IN FRACTIONS.	10. DECIMALS ARE IN FRACTIONS.	11. DECIMALS ARE IN FRACTIONS.	12. DECIMALS ARE IN FRACTIONS.	13. DECIMALS ARE IN FRACTIONS.	14. DECIMALS ARE IN FRACTIONS.	15. DECIMALS ARE IN FRACTIONS.	16. DECIMALS ARE IN FRACTIONS.	17. DECIMALS ARE IN FRACTIONS.	18. DECIMALS ARE IN FRACTIONS.	19. DECIMALS ARE IN FRACTIONS.	20. DECIMALS ARE IN FRACTIONS.	21. DECIMALS ARE IN FRACTIONS.
Engineer				1. REMOVE BURRS AND SHARP EDGES TO 0.015 MAX.	2. REMOVE BURRS AND SHARP EDGES TO 0.015 MAX.	3. REMOVE BURRS AND SHARP EDGES TO 0.015 MAX.	4. REMOVE BURRS AND SHARP EDGES TO 0.015 MAX.	5. REMOVE BURRS AND SHARP EDGES TO 0.015 MAX.	6. REMOVE BURRS AND SHARP EDGES TO 0.015 MAX.	7. REMOVE BURRS AND SHARP EDGES TO 0.015 MAX.	8. REMOVE BURRS AND SHARP EDGES TO 0.015 MAX.	9. REMOVE BURRS AND SHARP EDGES TO 0.015 MAX.	10. REMOVE BURRS AND SHARP EDGES TO 0.015 MAX.	11. REMOVE BURRS AND SHARP EDGES TO 0.015 MAX.	12. REMOVE BURRS AND SHARP EDGES TO 0.015 MAX.	13. REMOVE BURRS AND SHARP EDGES TO 0.015 MAX.	14. REMOVE BURRS AND SHARP EDGES TO 0.015 MAX.	15. REMOVE BURRS AND SHARP EDGES TO 0.015 MAX.	16. REMOVE BURRS AND SHARP EDGES TO 0.015 MAX.	17. REMOVE BURRS AND SHARP EDGES TO 0.015 MAX.	18. REMOVE BURRS AND SHARP EDGES TO 0.015 MAX.	19. REMOVE BURRS AND SHARP EDGES TO 0.015 MAX.	20. REMOVE BURRS AND SHARP EDGES TO 0.015 MAX.	21. REMOVE BURRS AND SHARP EDGES TO 0.015 MAX.
NEXT ASSY Description				NEXT ASSY Number				PROJECT No.				PROJECT Name				DWG. NO.				REV.				
								901411				WaveGlider HotSpot				C 100221158-20-A-DWG				A				
APPLICATION				DO NOT SCALE DRAWING				WEIGHT				SCALE				CAD FILE				SHEET 1 OF 1				



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\SV3_Skeg_PN05954_ModifiedLFDirectional.SLDPRT

Shop / Q.C. Inspector Shop Foreman Engineer		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:		APPROVALS DATE		Monterey Bay Aquarium Research Institute MBARI 7700 Sandhill Rd. Moss Landing, CA 95039 PH: (831) 775-1700			
		FINISHES (F) (B) (S) (E) (D) (A) (S) (A)	DIMENSIONS (D) (S) (A) (S) (A) (S) (A) (S) (A)	DRAWN MR 002/02/2017 ENGINEER MARK CHAFFEY (831) 775-1700 chm@mbari.org	PROJECT NO. 90141 PROJECT NUMBER WaveGlider HotSpot				
NEXT ASSY Description NEXT ASSY Number		1. DIMENSIONS ARE IN INCHES. 2. DIMENSION LINES USED AFTER PLAYING. 3. REMOVE BURRS AND SHARP EDGES. (D) MAX. 4. MACHINED FLUET INDR (D) 0.030.		PROJECT NO. 90141 PROJECT NUMBER WaveGlider HotSpot		DWG. NO. 100221158-21-A-DWG		REV. A	
APPLICATION		5. MACHINED PARTS ON A COMMON CHAIRLINE CONCERNING (D) 0.001 6. PERMANENTLY A PERMANENCE OF MACHINED SURFACES (D) 0.001 MAX. (D) 0.030 FOR SINGLE SURFACE.		WEIGHT		SIZE C		REV. A	
		42 INCHES SCALE DRAWING				SCALE 1:100		SHEET 1 OF 1	