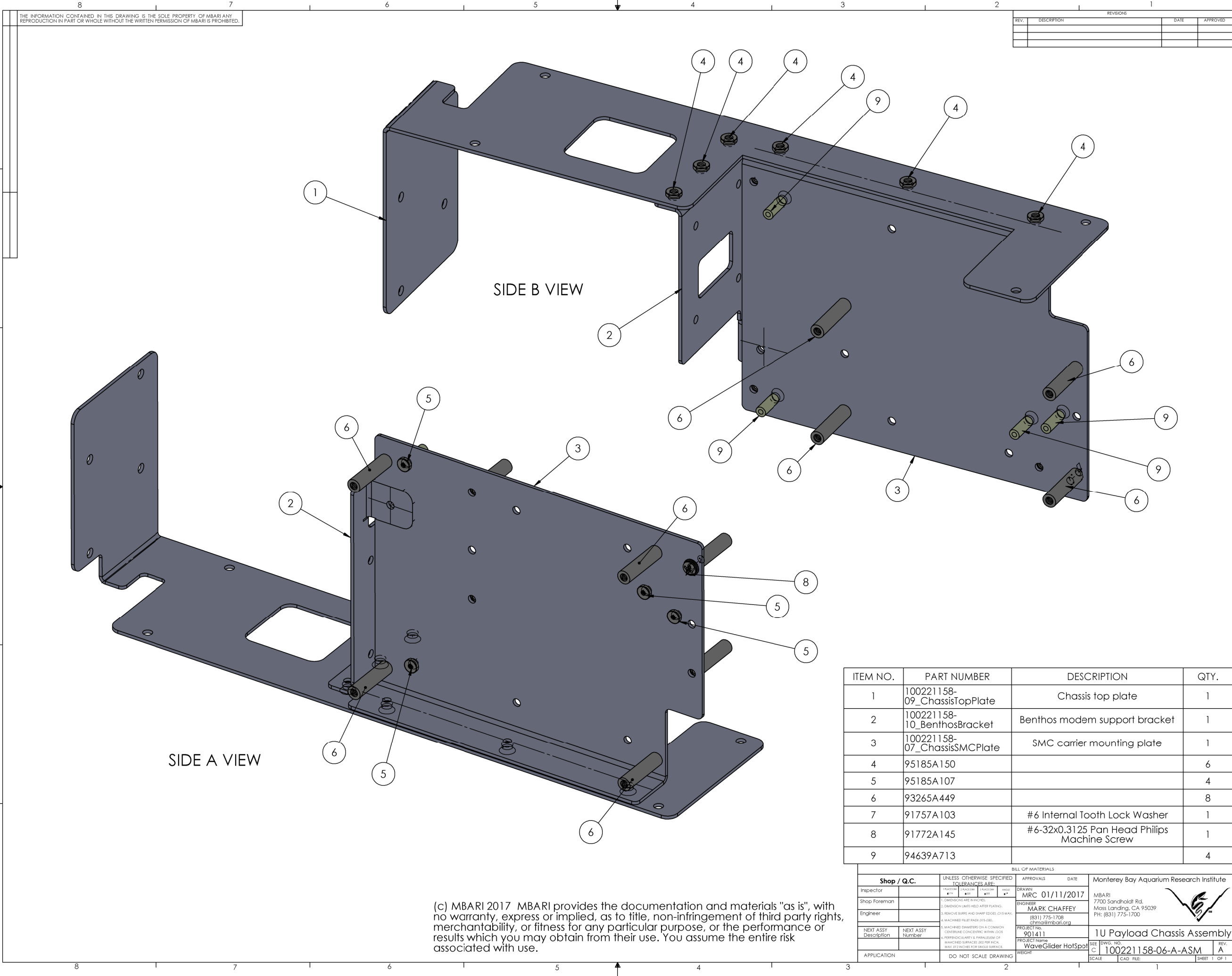




ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	SV3 1 MPU BOX	Liquid Robotics 1 MPU payload box (modified)	1
2	SubconnMCBH-12-FS	Subconn connector	1
3	SubconnDLSA-M	Subconn locking sleeve	1
4	SubconnDLSA-F	Subconn locking sleeve	1
5	SubconnMCIL-12-MP	Subconn connector	1
6	SubconnPNASt_1-2	Subconn connector	1
7	SubconnMCIL-3-MP	Subconn connector	1
8	SubconnMCBH-3-FS	Subconn connector	1
9	SubconnMCDLS-F	Subconn locking sleeve	1
10	100221158-08_BackingPlate	Backing plate for connectors	1
11	SEN-12909_PressureSensor	Stand alone pressure sensor	1
12	CellModem_MTCMR-EV3	MultiTech MTCMR-EV3 CDMA modem	1
13	Iridium-A3LA-R	Iridium A3LA-R satellite modem	1
14	PicoStation_M2_802.11Modem	Ubiquiti Networks PicoStation M2HP WiFi access point	1
15	BenthosDATModem	Benthos DAT modem with short chassis	1
16	BenthosLFModem	Benthos LF modem with short chassis	1
17	100221158-06-ASM_HotSpot_1U_ChassisAssembly	HotSpot 1U chassis assembly	1
18	SMCand3MPUCarrier	Liquid Robotics 3MPU carrier with SMC computer	1
19	91938A135	M16-1.5 thin hex nut	3
20	GlandFitting_Agro_1100.17.98	Cable gland fitting	3

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BILL OF MATERIALS									
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:			APPROVALS DATE		Monterey Bay Aquarium Research Institute		
Inspector		THICKNESS ±.001	2 SURFACES ±.002	1 SURF. END ±.005	WELD ±.005	DRAWN MRC	01/11/2017	MBARI	
Shop Foreman		1. DIMENSIONS ARE BY SPACES.				ENGINEER		7700 Sandhollow Rd.	
Engineer		2. DIMENSIONS LIMITED AFTER PLATING.				MARK CHAFFEY		7500 Landshalt, CA 95039	
		3. REMOVE BURRS AND SHARP EDGES. (15 MAX.)				(831) 775-1708		PH: (831) 775-1700	
NEXT Assy Description	NEXT Assy Number	4. MACHINED FLAT AND 90° EDGES.				chmair@mbari.org			
		5. MACHINED DIMENSIONS ON A COMMON CENTERLINE CONCERNING WELD JOINS.				PROJECT No 902411		HotSpot 1U Payload Box	
		6. REFERENCING TO A PATTERN OF MACHINED SURFACES AND PER HURR, MAX. 0.2 REQUIRED FOR SINGLE SURFACE.				PROJECT Name WaveGlider HotSpot		SIZE DWG. NO.	
APPLICATION		2 NOT CHASE DRAWING				Weight		SCALE 1:100221158-05-A-ASM	
						C. CAD FILE		SHEET 11 OF 11	



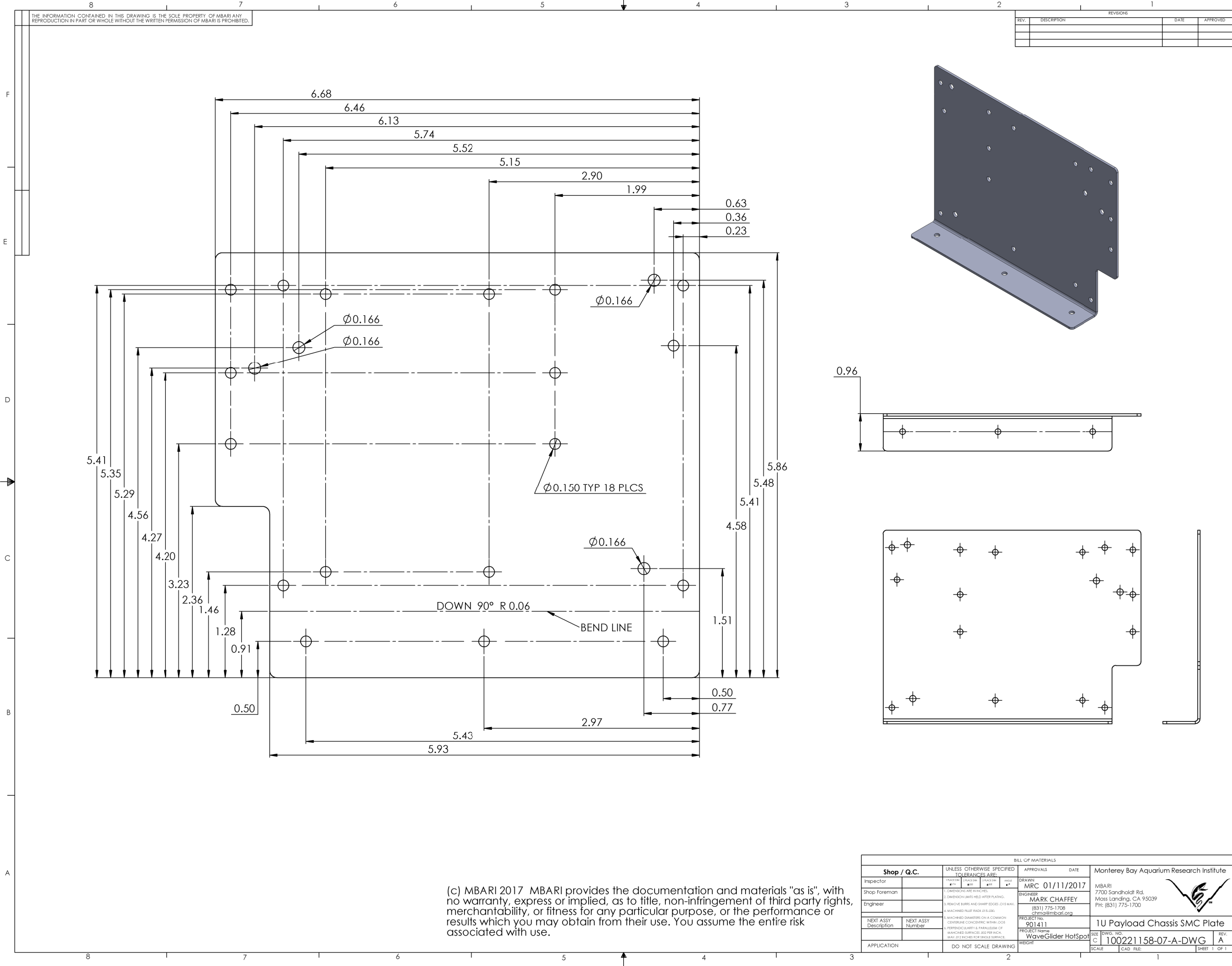
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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	100221158-09_ChassisTopPlate	Chassis top plate	1
2	100221158-10_BenthosBracket	Benthos modem support bracket	1
3	100221158-07_ChassisSMCPlate	SMC carrier mounting plate	1
4	95185A150		6
5	95185A107		4
6	93265A449		8
7	91757A103	#6 Internal Tooth Lock Washer	1
8	91772A145	#6-32x0.3125 Pan Head Philips Machine Screw	1
9	94639A713		4

Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:		APPROVALS		DATE		Monterey Bay Aquarium Research Institute	
Inspector		FRACTION	DECIMAL	DRAWN	MRC	01/11/2017		MBARI	
Shop Foreman		1/16"	.001"	ENGINEER	MARK CHAFFEY			7700 Sandholdt Rd.	
Engineer		3/32"	.005"		(831) 775-1708			Mass Landing, CA 95039	
					chm@mbat.org			PH: (831) 775-1700	
NEXT ASSY Description	NEXT ASSY Number	5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCERNING WITH .005" PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH, MAX. .015 INCHES FOR SINGLE SURFACE.		PROJECT No.	901411	PROJECT Name		1U Payload Chassis Assembly	
		4. MACHINED FILLER RADI .015-.030.		PROJECT Name	WaveGlider HotSpot	REV.		A	
APPLICATION		DO NOT SCALE DRAWING		WEIGHT		DWG. NO.		100221158-06-A-ASM	
						SCALE		1	
						CAD FILE		SHEET 1 OF 1	

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED

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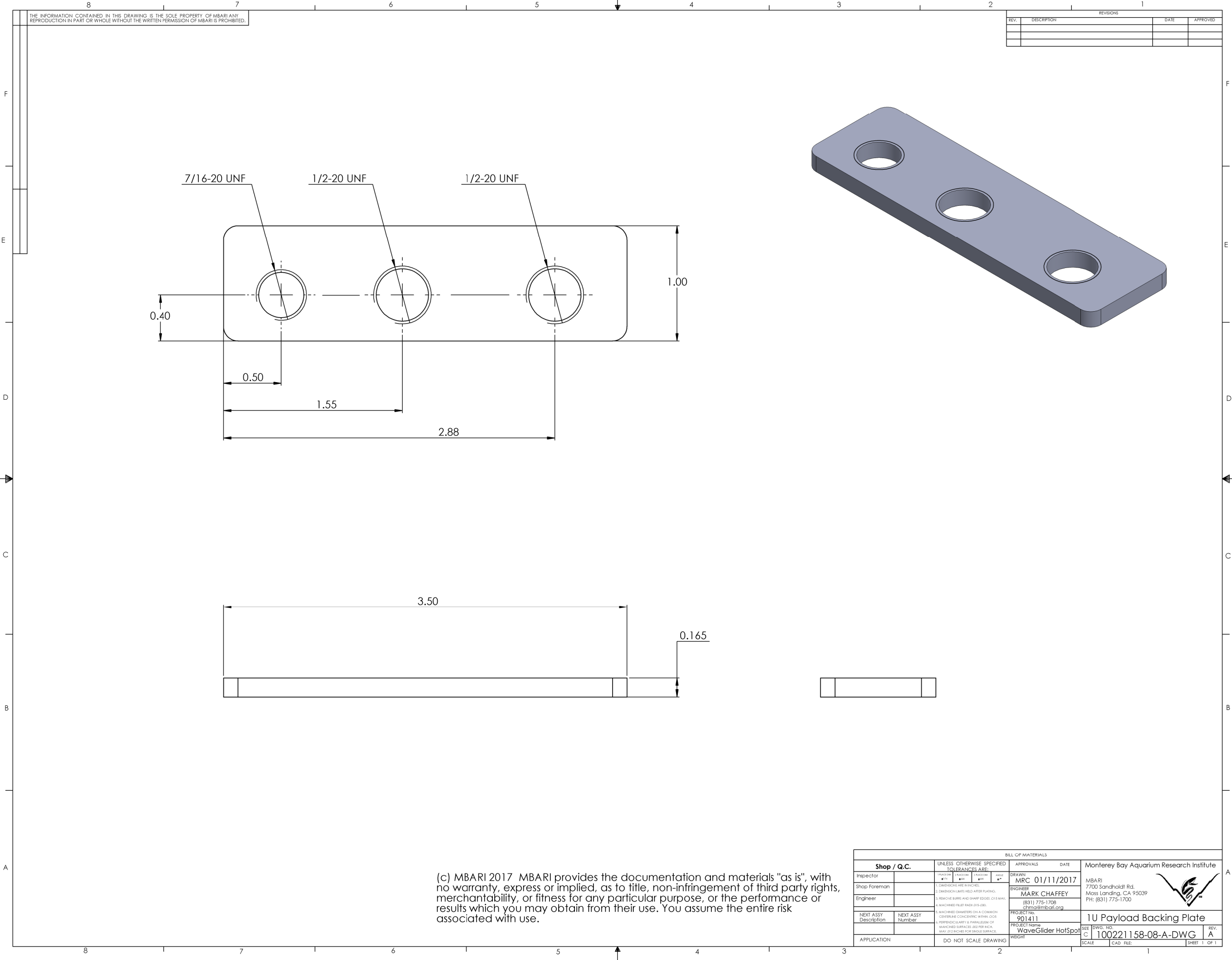
BILL OF MATERIALS			
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED	APPROVALS
Inspector		TOLERANCES ARE:	DATE
Shop Foreman		FRACTION DECIMAL INCHES	
Engineer		1/16" 0.0625" 1/32" 0.03125" 3/32" 0.09375" 1/8" 0.125" 3/16" 0.1875" 1/4" 0.250" 5/16" 0.3125" 3/8" 0.375" 7/8" 0.875" 1" 1.000"	
NEXT ASSY Description		1. DIMENSIONS ARE IN INCHES.	DRAWN MRC 01/11/2017 ENGINEER MARK CHAFFEY (831) 775-1708 chm@mbat.org
NEXT ASSY Number		2. DIMENSIONS UNITS HELD AFTER PLATING.	
APPLICATION		3. REMOVE BURRS AND SHARP EDGES (0.15 MAX).	PROJECT No. 901411 PROJECT Name WaveGlider HotSpot
		4. MACHINED FILLER RADI (0.15-0.00).	
		5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCERNING WITH (0.00).	SIZE C 100221158-07-A-DWG
		6. REFERRED SURFACES TO PARALLELISM OF MACHINED SURFACES (0.00 PER INCH, MAX. 0.015 INCHES FOR SINGLE SURFACE).	
		DO NOT SCALE DRAWING	SCALE
			CAD FILE
			SHEET 1 OF 1

Monterey Bay Aquarium Research Institute
MBARI
7700 Sandholdt Rd.
Marina del Rey, CA 90339
PH: (831) 775-1700



1U Payload Chassis SMC Plate

REV. A



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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED

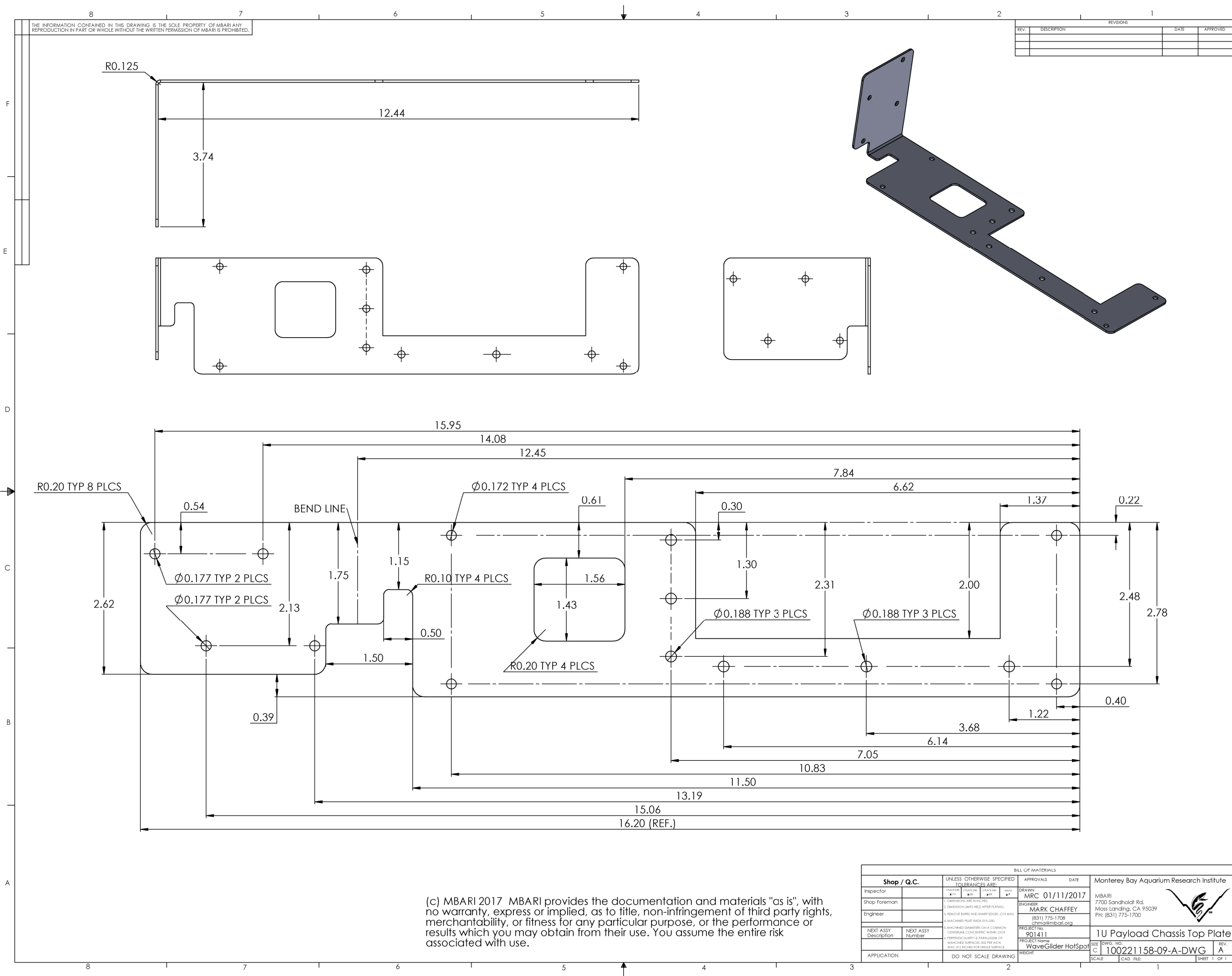
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BILL OF MATERIALS			
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED	APPROVALS
Inspector		TOLERANCES ARE:	DATE
Shop Foreman		FRACTIONS DECIMALS ANGLES	DRAWN
Engineer		1/16" 0.0625 1/32" 0.03125 1/8" 0.125 1/4" 0.25 3/8" 0.375 1/2" 0.5	MRC 01/11/2017
		1. DIMENSIONS ARE IN INCHES.	ENGINEER
		2. DIMENSIONS UNLESS NOTED AFTER PLATING.	MARK CHAFFEY
		3. REMOVE BURRS AND SHARP EDGES (0.15 MAX).	(831) 775-1708
		4. MACHINED FILLER RADI (0.15-0.20).	chm@mbat.org
		5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCERNING WITH GD&S.	PROJECT No.
		6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES (0.02 PER INCH, MAX) (0.01 INCHES FOR SINGLE SURFACE).	901411
NEXT ASSY Description	NEXT ASSY Number	PROJECT Name	WaveGlider HotSpot
		WEIGHT	
APPLICATION	DO NOT SCALE DRAWING	SCALE	CAD FILE
		100221158-08-A-DWG	SHEET 1 OF 1

Monterey Bay Aquarium Research Institute
MBARI
7700 Sandholdt Rd.
Marina del Rey, CA 90339
PH: (831) 775-1700



1U Payload Backing Plate
DWG. NO. 100221158-08-A-DWG
REV. A



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REV.	DESCRIPTION	DATE	APPROVED

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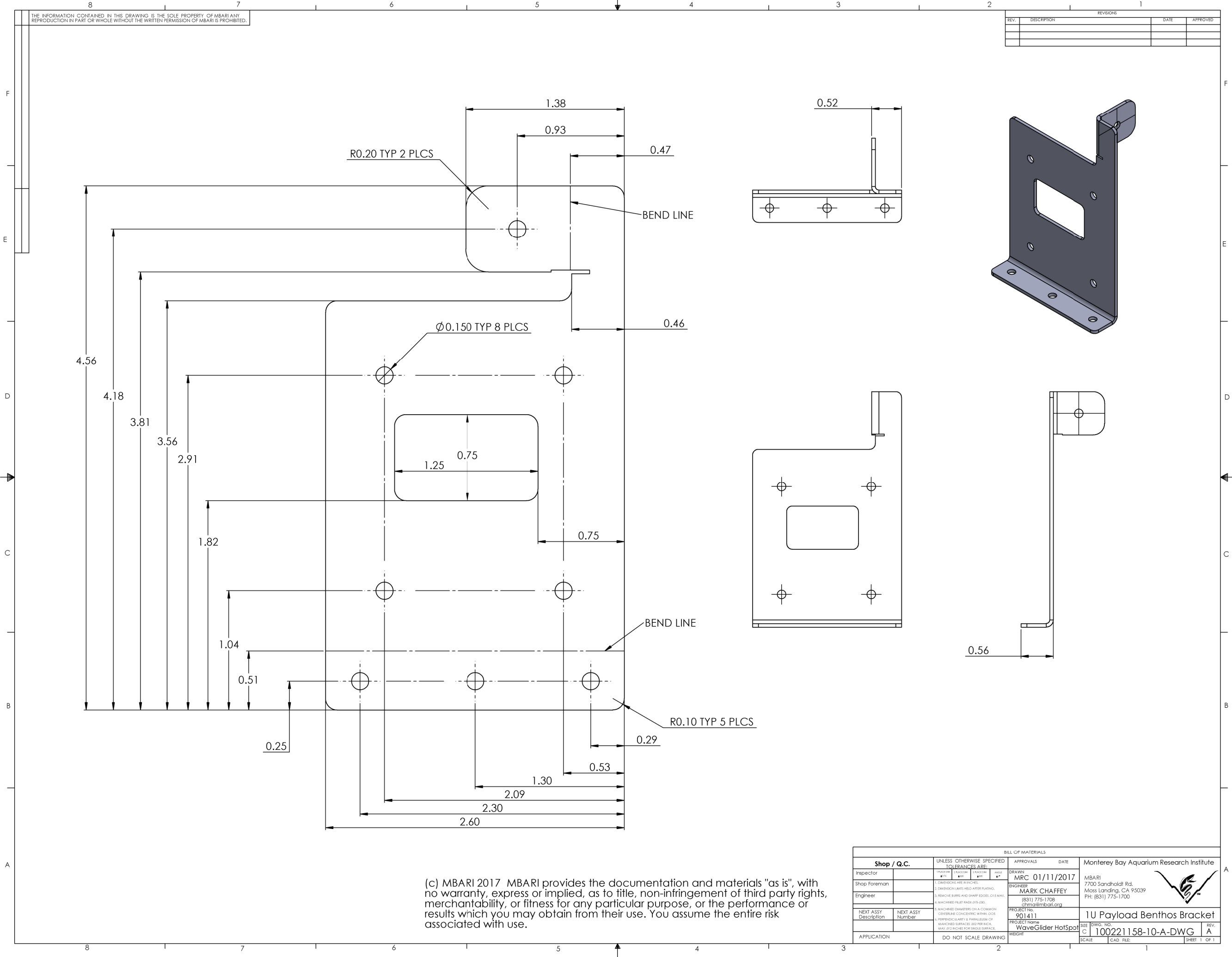
BILL OF MATERIALS			
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED	APPROVALS
Inspector		TOLERANCES ARE: FRACTIONS DECIMALS ANGLES #1/16 #100 #101 #102 #103 #104 #105 #106 #107 #108 #109 #110 #111 #112 #113 #114 #115 #116 #117 #118 #119 #120 #121 #122 #123 #124 #125 #126 #127 #128 #129 #130 #131 #132 #133 #134 #135 #136 #137 #138 #139 #140 #141 #142 #143 #144 #145 #146 #147 #148 #149 #150 #151 #152 #153 #154 #155 #156 #157 #158 #159 #160 #161 #162 #163 #164 #165 #166 #167 #168 #169 #170 #171 #172 #173 #174 #175 #176 #177 #178 #179 #180 #181 #182 #183 #184 #185 #186 #187 #188 #189 #190 #191 #192 #193 #194 #195 #196 #197 #198 #199 #200	DATE
Shop Foreman			DATE
Engineer			
NEXT ASSY Description	NEXT ASSY Number	5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCERNING WITH GD&C 6. REFERENCED SURFACES & PARALLELISM OF MACHINED SURFACES AND PER RICH. MAX. 0.005 INCHES FOR SINGLE SURFACE.	PROJECT No. 901411
APPLICATION	DO NOT SCALE DRAWING		PROJECT Name WaveGlider HotSpot
		WEIGHT	SCALE
		SCALE	CAD FILE
		SHEET 1 OF 1	REV. A

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



1U Payload Chassis Top Plate

DWG. NO. 100221158-09-A-DWG



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REV.	DESCRIPTION	DATE	APPROVED

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BILL OF MATERIALS											
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE		Monterey Bay Aquarium Research Institute	
Inspector		FRACTIONS DECIMALS ANGLES				DRAWN		MRC 01/11/2017		MBARI	
Shop Foreman		1. DIMENSIONS ARE IN INCHES.				ENGINEER		MARK CHAFFEY		7700 Sandholzt Rd.	
Engineer		2. DIMENSIONS ARE UNLESS NOTED WITH FIGURES.						(831) 775-1708		Ph: (831) 775-1700	
		3. ROUND TO .001" AND .0005" DECIMALS; .015 MAX.						chrmalmba@aol.org			
		4. MACHINED FLAT SURF RAZ 20.000						PROJECT No.		1 U Puyalo Benthos Bracket	
		5. MACHINED DIMETERS ON A COMMAND CENTER CONVEYING CONVEY WITH 20.000						PROJECT Name		DWG. No.	
NEXT ASSY Description	NEXT ASSY Number							WaveGlider HotSpot		C 1002221158-10-A-DWG	
APPLICATION		DO NOT SCALE DRAWING				WEIGHT		SCALE		CAD FILE	
								SHEET		1 OF 4	

