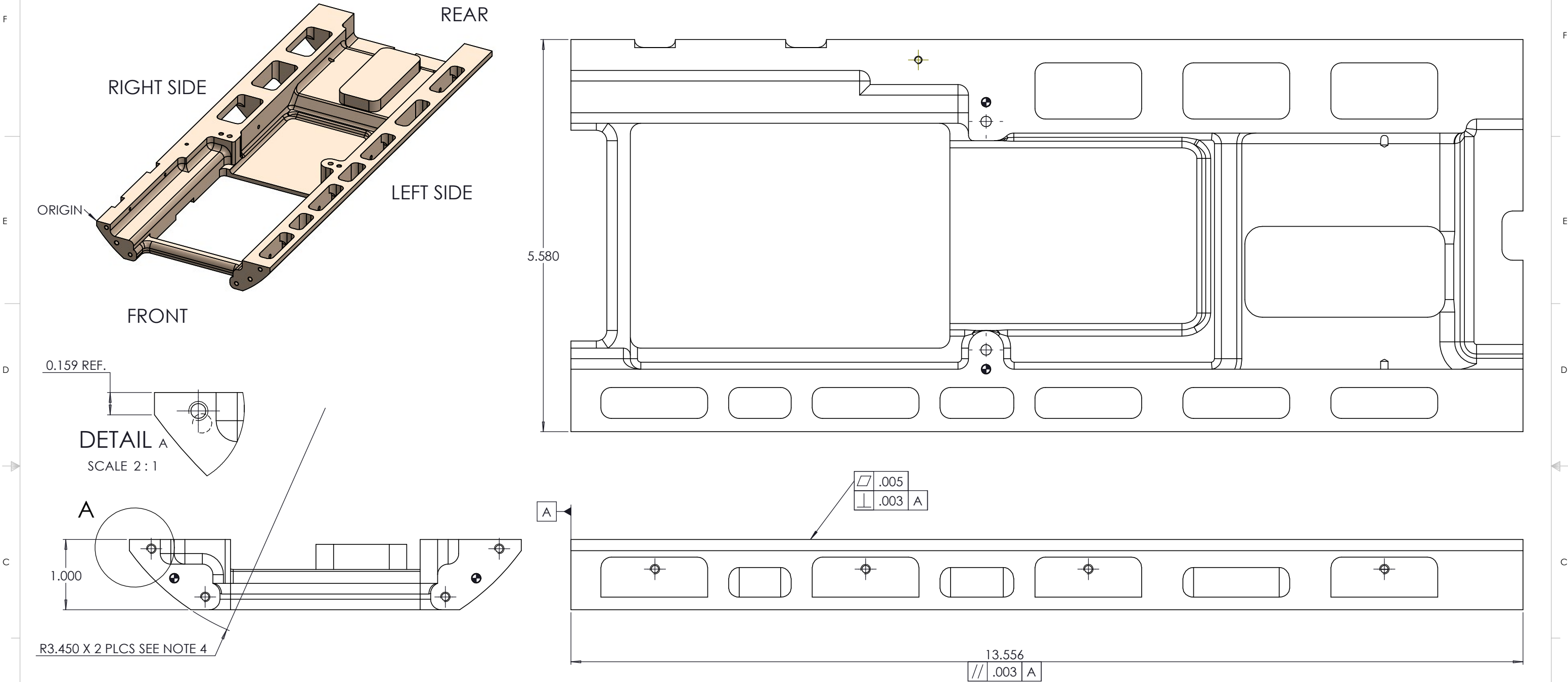


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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
B	XX	XX/XX/202X	
C	XX	XX/XX/202X	



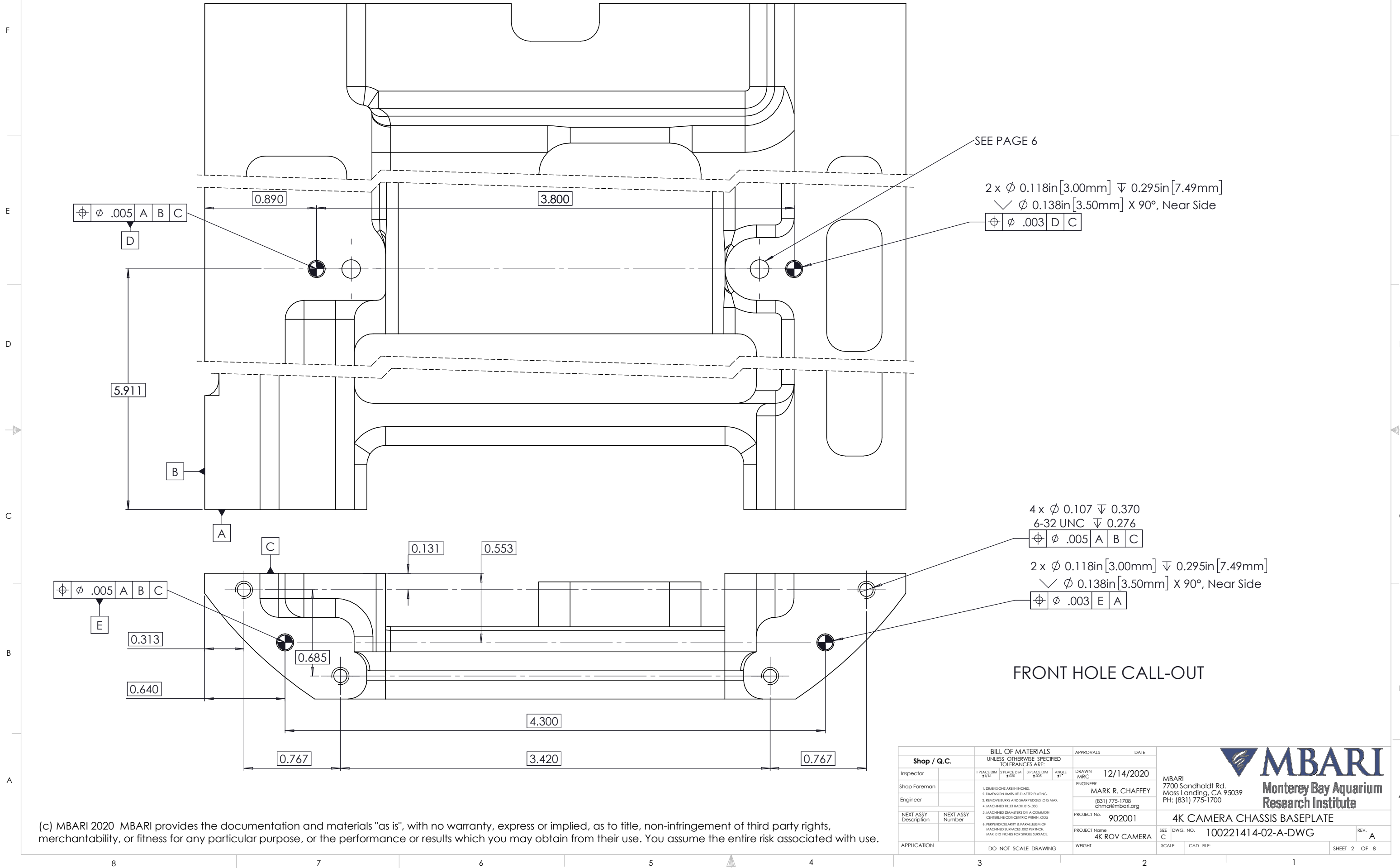
OUTSIDE DIMENSIONS

- NOTE 1. SOLID MODEL LOCATION:
\\atlas\ProjectLibrary\902001_4K_ROVCameraDevelopment\EngineeringDesignDocuments\MechanicalDesign\4K_CameraChassis\100221414-02-A_BasePlate.SLDPRT
- NOTE 2. MATERIAL IS 6061-T6 ALUMINUM ALLOY.
- NOTE 3. ANODIZE PART TO 0.0008 AVERAGE COATING THICKNESS TO MIL-A-8625, Type II, Class 2, color: GOLD. NOTE MASKING CALL-OUTS (IF ANY).
- NOTE 4. CONTOURING OK ON ALL RADIUS CUTS AND PROFILES.

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Shop / Q.C.		BILL OF MATERIALS UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:		APPROVALS		DATE	
Inspector		1 PLACE DIM ±.016	2 PLACE DIM ±.005	3 PLACE DIM ±.005	ANGLE ±.1°	DRAWN MRC	12/14/2020
Shop Foreman		1. DIMENSIONS ARE IN INCHES. 2. DIMENSION LIMITS HELD AFTER PLATING. 3. REMOVE BURRS AND SHARP EDGES .015 MAX. 4. MACHINED FILLET RADIUS .015-.020. 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 MARK R. CHAFFEY (831) 775-1708 mrc@mbari.org	MBARI 7700 Sandholdt Rd. Moss Landing, CA 95039 PH: (831) 775-1700
Engineer						PROJECT No. 902001	4K CAMERA CHASSIS BASE PLATE
NEXT ASSY Description	NEXT ASSY Number					PROJECT Name 4K ROV CAMERA	REV. A
APPLICATION		DO NOT SCALE DRAWING		WEIGHT		SIZE C	DWG. NO. 100221414-02-A-DWG
						SCALE	CAD FILE:
						SHEET 1 OF 8	

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Shop / Q.C.		BILL OF MATERIALS UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE	
Inspector		1 PLACE DIM ±.010	2 PLACE DIM ±.005	3 PLACE DIM ±.003	ANGLE ±.1°	DRAWN MRC		12/14/2020	
Shop Foreman		1. DIMENSIONS ARE IN INCHES. 2. DIMENSION LIMITS HELD AFTER PLATING. 3. REMOVE BURRS AND SHARP EDGES .015 MAX. 4. MACHINED FILLET RADIUS .015-.020. 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			
Engineer						MARK R. CHAFFEY			
						(831) 775-1708			
						chrm@mbari.org			
NEXT ASSY Description	NEXT ASSY Number					PROJECT No.	902001	4K CAMERA CHASSIS BASEPLATE	
						PROJECT Name	4K ROV CAMERA	REV. A	
APPLICATION		DO NOT SCALE DRAWING				WEIGHT		SHEET 2 OF 8	

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2 x $\varnothing$ 0.118in[3.00mm] ∇ 0.295in[7.49mm]
 $\surd$ $\varnothing$ 0.138in[3.50mm] X 90°, Near Side

$\varnothing$.005 A B C

F

4 x $\varnothing$ 0.107 ∇ 0.370
6-32 UNC ∇ 0.276

$\varnothing$.005 A B C

2 x $\varnothing$ 0.089 ∇ 0.299
4-40 UNC ∇ 0.224

$\varnothing$.005 A B C

0.780

0.457

0.220

0.100

$\varnothing$.003 F A

C

3.700

4.030

4.340

4.900

0.940

0.775

0.620

0.340

REAR HOLE CALLOUT

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Shop / Q.C.		BILL OF MATERIALS UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE	
Inspector		1 PLACE DIM ±.010	2 PLACE DIM ±.005	3 PLACE DIM ±.003	ANGLE ±°	DRAWN MRC		12/14/2020	
Shop Foreman		1. DIMENSIONS ARE IN INCHES. 2. DIMENSION LIMITS HELD AFTER PLATING. 3. REMOVE BURRS AND SHARP EDGES .015 MAX. 4. MACHINED FILLET RADIUS .015-.020. 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			
Engineer						MARK R. CHAFFEY			
						(831) 775-1708 mrcha@mbari.org			
NEXT ASSY Description	NEXT ASSY Number					PROJECT No.	902001	4K CAMERA CHASSIS BASEPLATE	
APPLICATION		DO NOT SCALE DRAWING				PROJECT Name	4K ROV CAMERA	SIZE C	REV. A
						WEIGHT		DWG. NO. 100221414-02-A-DWG	
						SCALE	CAD FILE:	SHEET 3 OF 8	



MBARI
Monterey Bay Aquarium
Research Institute

MBARI
7700 Sandholdt Rd.
Moss Landing, CA 95039
PH: (831) 775-1700

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F

E

D

C

B

A

F

E

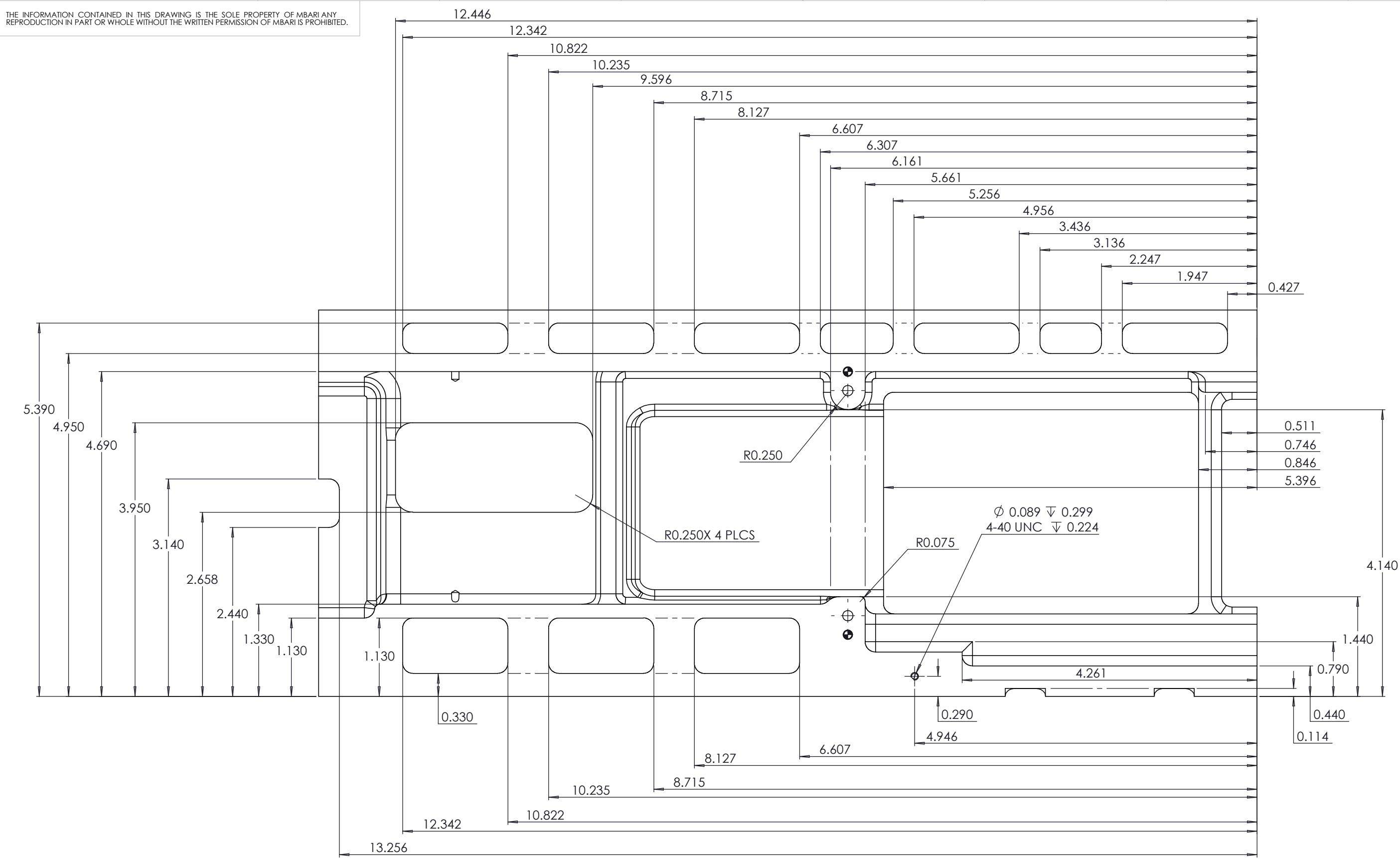
D

C

B

A

TOP CUT DETAIL

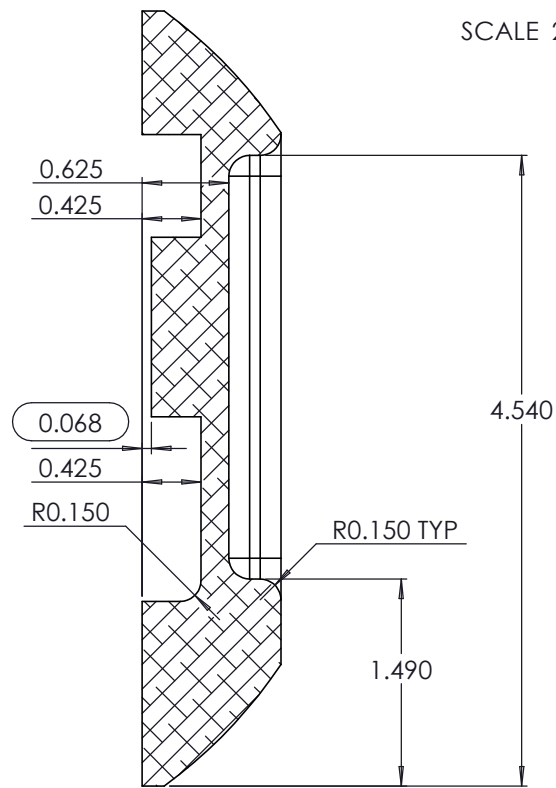
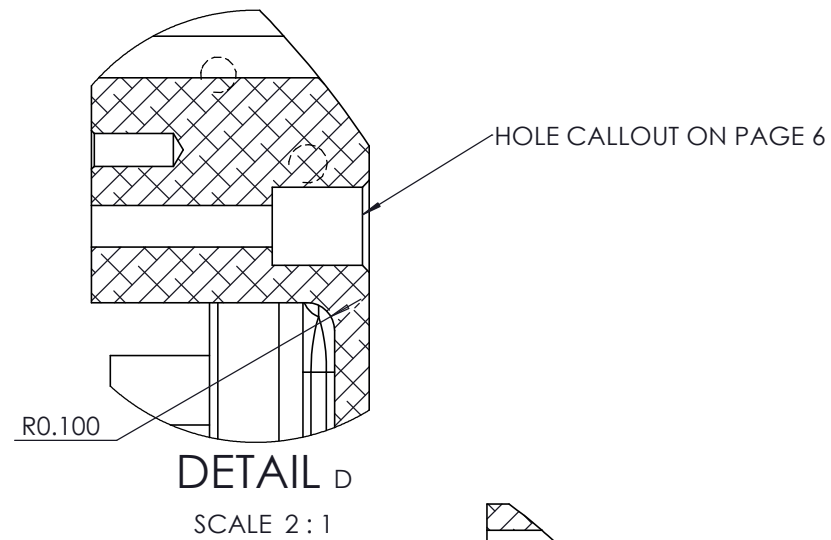
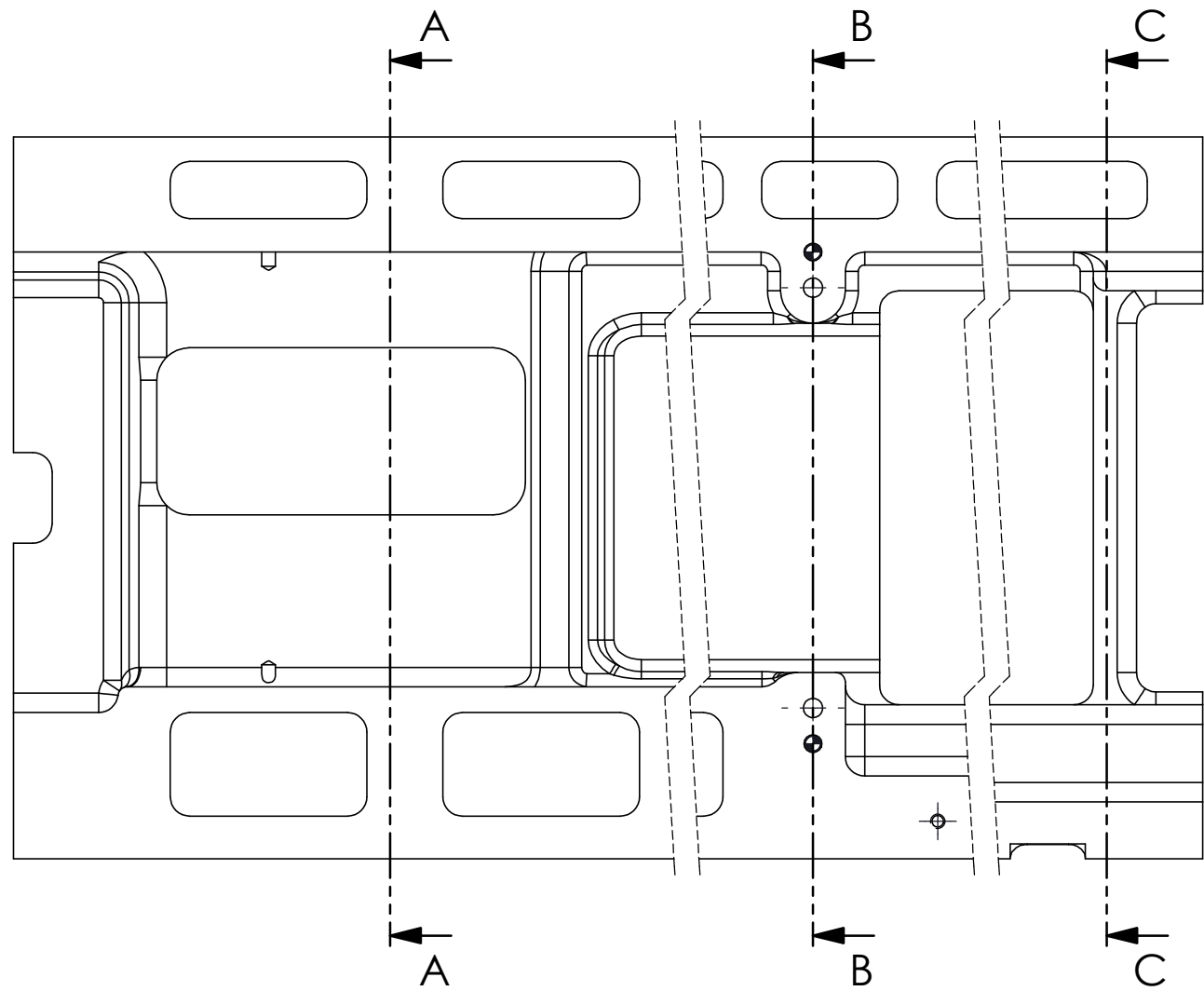


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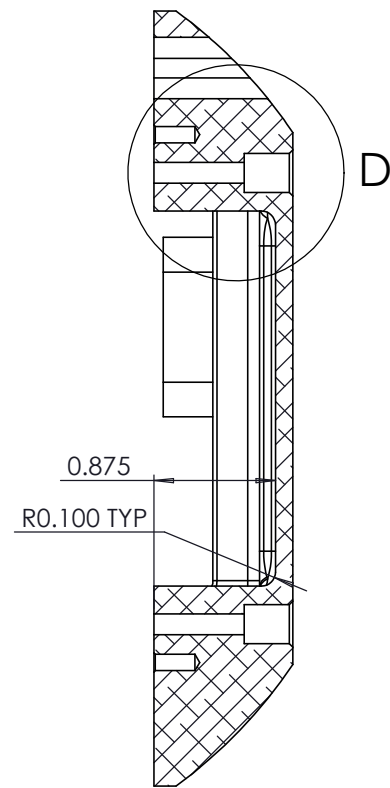
Shop / Q.C.		BILL OF MATERIALS UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE					
Inspector		1 PLACE DIM ±0.01	2 PLACE DIM ±0.005	3 PLACE DIM ±0.005	ANGLE ±0.01	DRAWN MRC		12/14/2020		MBARI 7700 Sandholdt Rd. Moss Landing, CA 95039 PH: (831) 775-1700			
Shop Foreman		1. DIMENSIONS ARE IN INCHES. 2. DIMENSION LIMITS HELD AFTER PLATING. 3. REMOVE BURRS AND SHARP EDGES. 0.15 MAX. 4. MACHINED FILLET RADIUS 0.15-0.00. 5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN 0.005 6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES 0.02 PER INCH. MAX. 0.12 INCHES FOR SINGLE SURFACE.				ENGINEER							
Engineer						MARK R. CHAFFEY							
						(831) 775-1708							
						chma@mbari.org							
NEXT ASSY Description	NEXT ASSY Number					PROJECT No.		902001		4K CAMERA CHASSIS BASE PLATE			
APPLICATION		DO NOT SCALE DRAWING				PROJECT Name		4K ROV CAMERA		SIZE C	DWG. NO.	100221414-02-A-DWG	REV. A
						WEIGHT				SCALE	CAD FILE:	SHEET 4 OF 8	



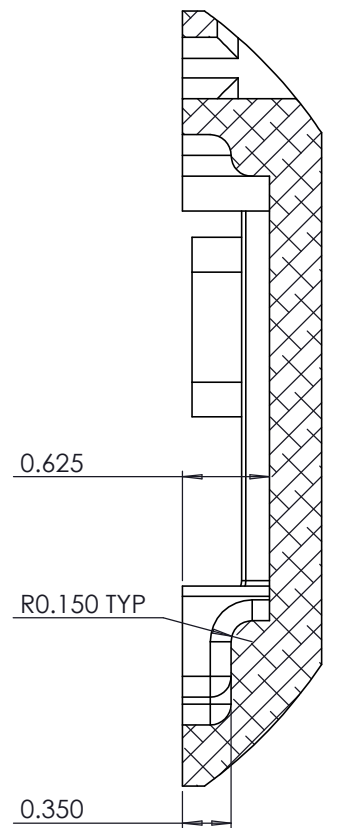
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SECTION A-A
SCALE 1:1



SECTION B-B
SCALE 1:1



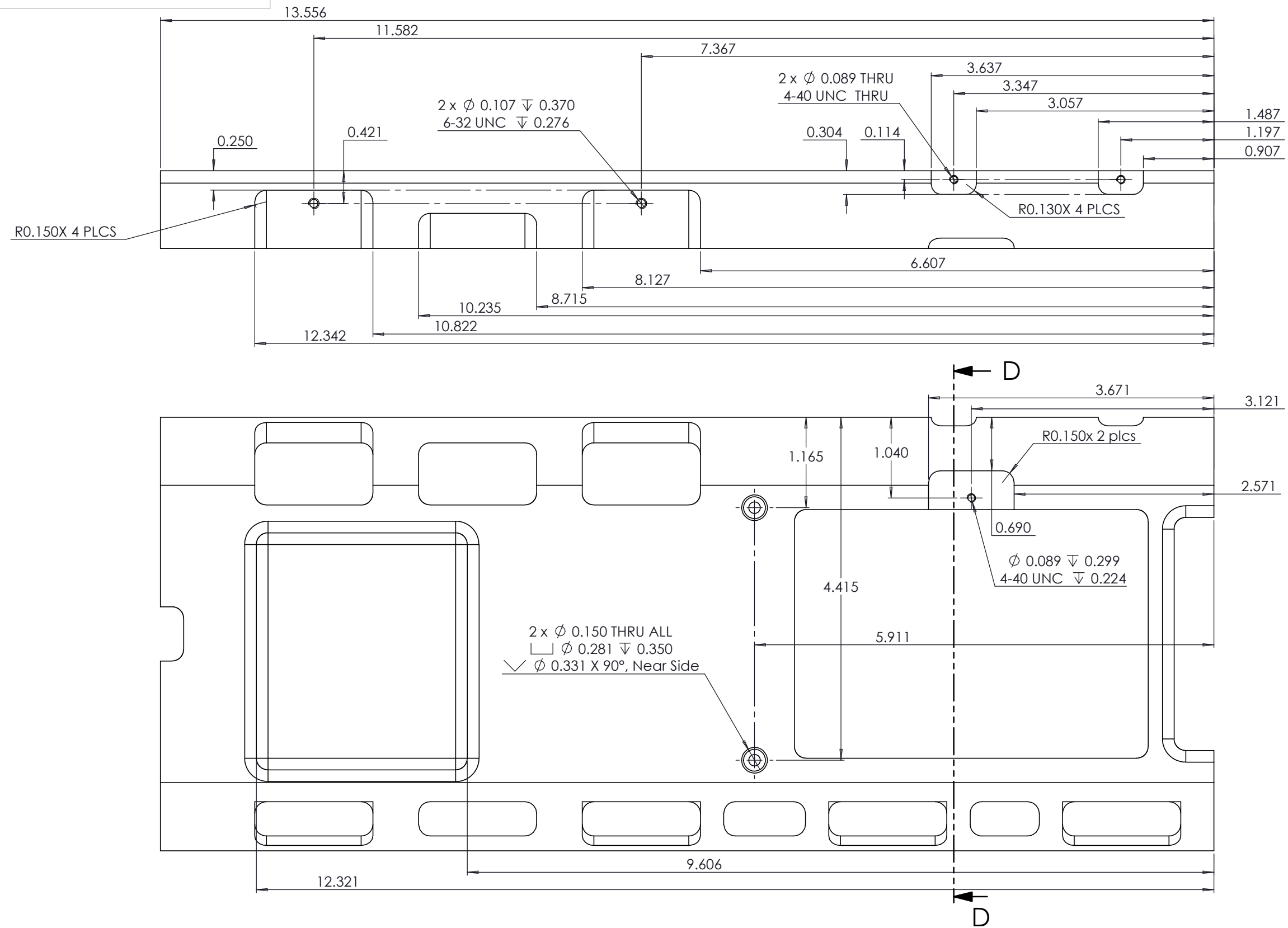
SECTION C-C
SCALE 1:1

TOP CUT DETAIL

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Shop / Q.C.		BILL OF MATERIALS UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE		MBARI 7700 Sandholdt Rd. Moss Landing, CA 95039 PH: (831) 775-1700			
Inspector		1 PLACE DIM ±.015	2 PLACE DIM ±.020	3 PLACE DIM ±.005	ANGLE ±°	DRAWN MRC		12/14/2020					
Shop Foreman		1. DIMENSIONS ARE IN INCHES. 2. DIMENSION LIMITS HELD AFTER PLATING. 3. REMOVE BURRS AND SHARP EDGES .015 MAX. 4. MACHINED FILLET RADI .015-.020. 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							
Engineer						MARK R. CHAFFEY							
NEXT ASSY Description	NEXT ASSY Number					(831) 775-1708 chma@mbari.org							
APPLICATION						PROJECT No. 902001							
		DO NOT SCALE DRAWING				PROJECT Name 4K ROV CAMERA				SIZE C	DWG. NO. 100221414-02-A-DWG	REV. A	
						WEIGHT				SCALE	CAD FILE:	SHEET 5 OF 8	

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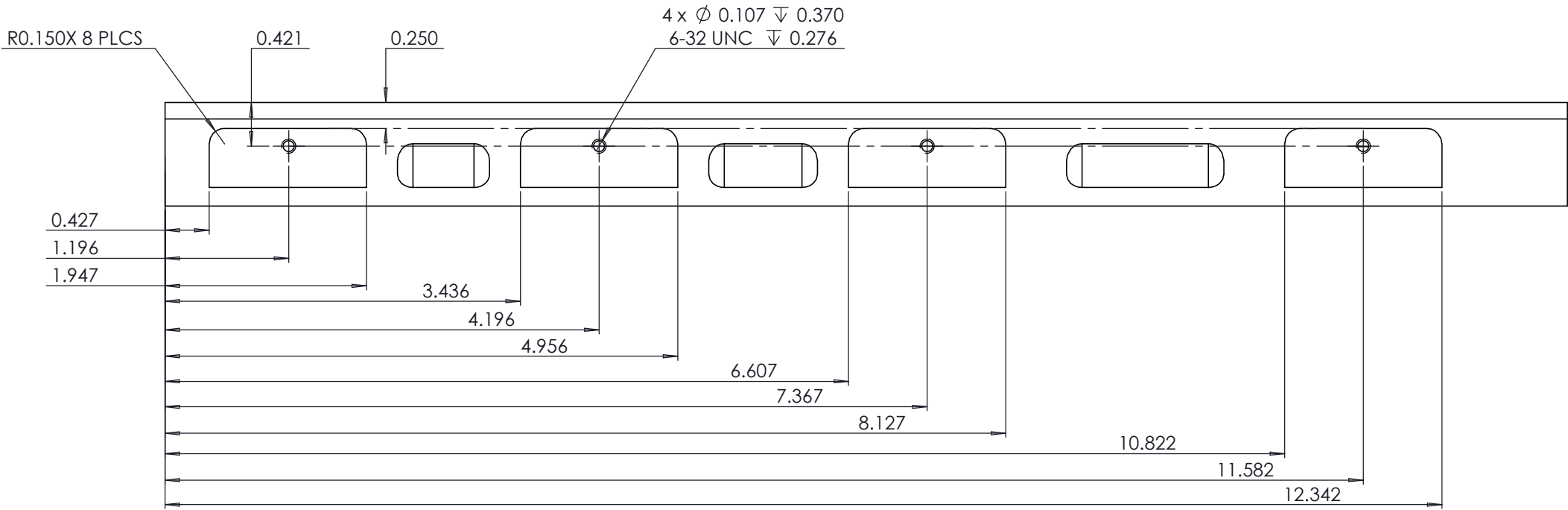
SECTION D-D
SCALE 1 : 1

RIGHT SIDE AND BOTTOM CUT AND HOLE DETAIL

Shop / Q.C.		BILL OF MATERIALS UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:			APPROVALS		DATE		MBARI 7700 Sandholdt Rd. Moss Landing, CA 95039 PH: (831) 775-1700 Monterey Bay Aquarium Research Institute			
Inspector		1 PLACE DIM ±.1/16	2 PLACE DIM ±.000	3 PLACE DIM ±.003	DRAWN	12/14/2020						
Shop Foreman		1. DIMENSIONS ARE IN INCHES. 2. DIMENSION LIMITS HELD AFTER PLATING. 3. REMOVE BURRS AND SHARP EDGES .015 MAX. 4. MACHINED FILLER RADII .015-.020. 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							
Engineer					MARK R. CHAFFEY (831) 775-1708 chm@mbari.org							
NEXT ASSY Description	NEXT ASSY Number				PROJECT NO.	902001		4K CAMERA CHASSIS BASE PLATE				
APPLICATION		DO NOT SCALE DRAWING			WEIGHT	PROJECT Name 4K ROV CAMERA		SIZE C	DWG. NO.	10022141 4-02-A-DWG		REV. A
					SCALE	CAD FILE:						
								SHEET 6		OF 8		

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LEFT SIDE CUT AND HOLE CALLOUT

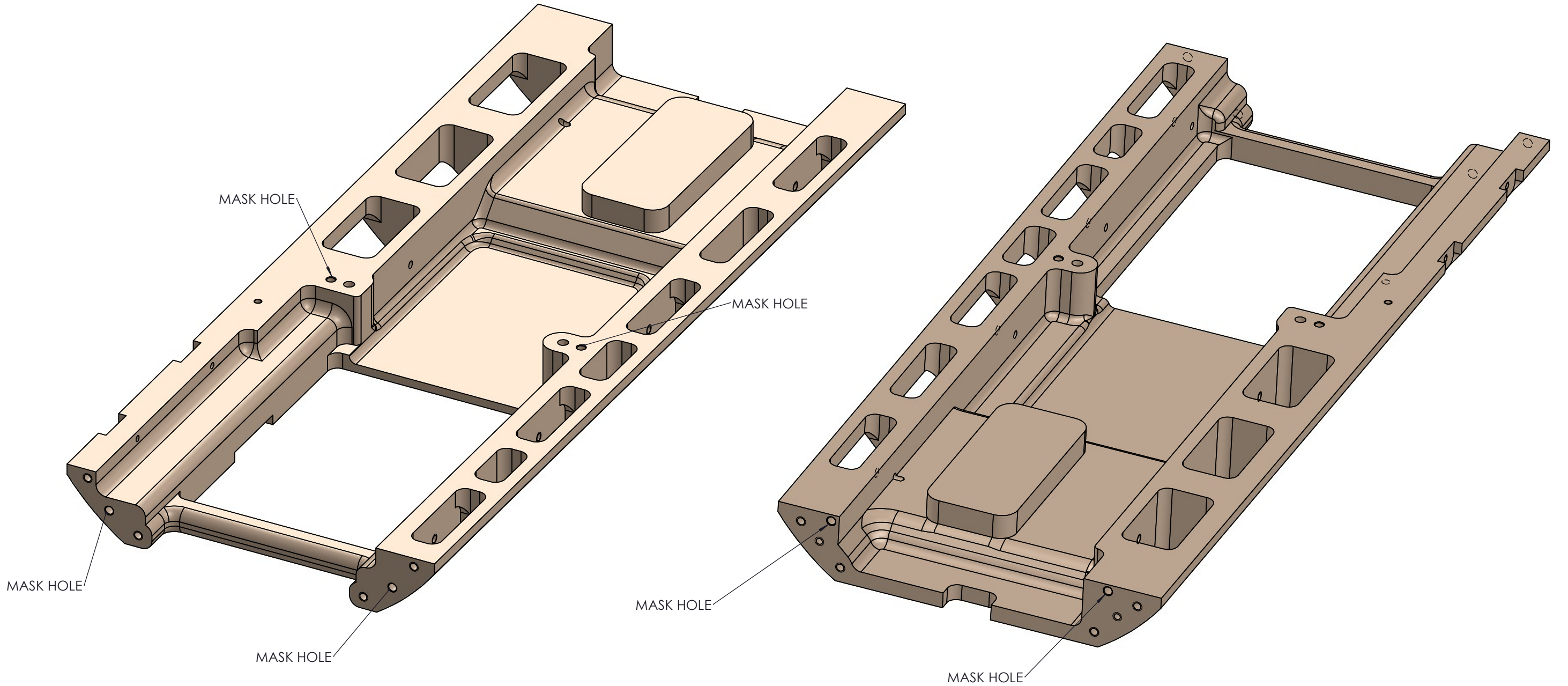
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Shop / Q.C.		BILL OF MATERIALS UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE	
Inspector		1 PLACE DIM ± 0.015	2 PLACE DIM ± 0.005	3 PLACE DIM ± 0.005	ANGLE ± 0.1°	DRAWN MRC		12/14/2020	
Shop Foreman		1. DIMENSIONS ARE IN INCHES. 2. DIMENSION LIMITS HELD AFTER PLATING. 3. REMOVE BURRS AND SHARP EDGES. 0.15 MAX. 4. MACHINED FILLET RADIUS 0.15-0.005. 5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN 0.005 6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES 0.02 PER INCH MAX. 0.12 INCHES FOR SINGLE SURFACE.				ENGINEER			
Engineer						MARK R. CHAFFEY			
						(831) 775-1708 chm@mbari.org			
NEXT ASSY Description	NEXT ASSY Number					PROJECT No.	902001		
						PROJECT Name	4K ROV CAMERA		
APPLICATION		DO NOT SCALE DRAWING				WEIGHT			
						SIZE C	DWG. NO.	100221414-02-A-DWG	REV. A
						SCALE	CAD FILE:	SHEET 7 OF 8	



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ANODIZING MASKING CALLOUT

NOTE 5. ANODIZE PART TO 0.0008 AVERAGE COATING THICKNESS TO MIL-A-8625, Type II, Class 2, color: GOLD. NOTE MASKING CALL-OUTS.

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Shop / Q.C.		BILL OF MATERIALS UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE	
Inspector		1 PLACE DIM ±.016	2 PLACE DIM ±.005	3 PLACE DIM ±.005	ANGLE ±.1°	DRAWN MRC		12/14/2020	
Shop Foreman		1. DIMENSIONS ARE IN INCHES. 2. DIMENSION LIMITS HELD AFTER PLATING. 3. REMOVE BURRS AND SHARP EDGES .015 MAX. 4. MACHINED FILLET RADI .015-.020. 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			
Engineer						MARK R. CHAFFEY			
						(831) 775-1708			
NEXT ASSY Description	NEXT ASSY Number					PROJECT No.	902001		
						PROJECT Name	4K ROV CAMERA		
APPLICATION		DO NOT SCALE DRAWING				WEIGHT			
						SIZE C	DWG. NO.	100221414-02-A-DWG	REV. A
						SCALE	CAD FILE:	SHEET 8 OF 8	

