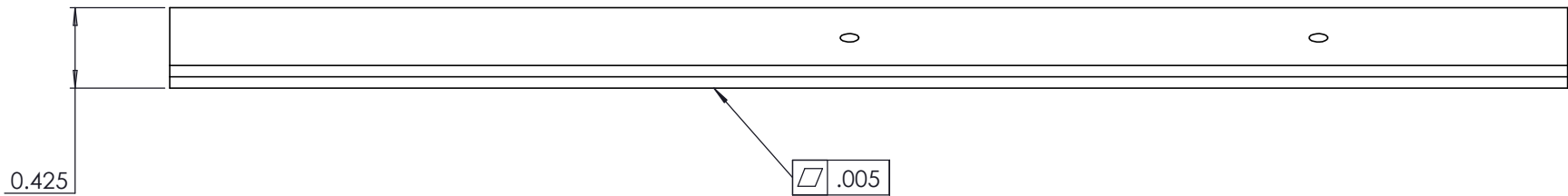
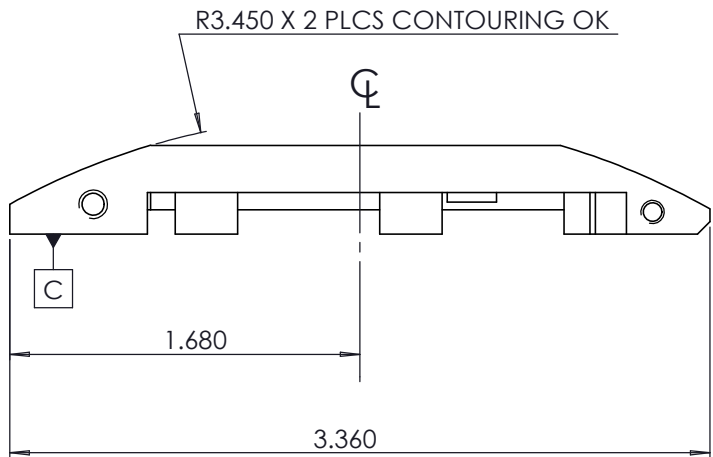
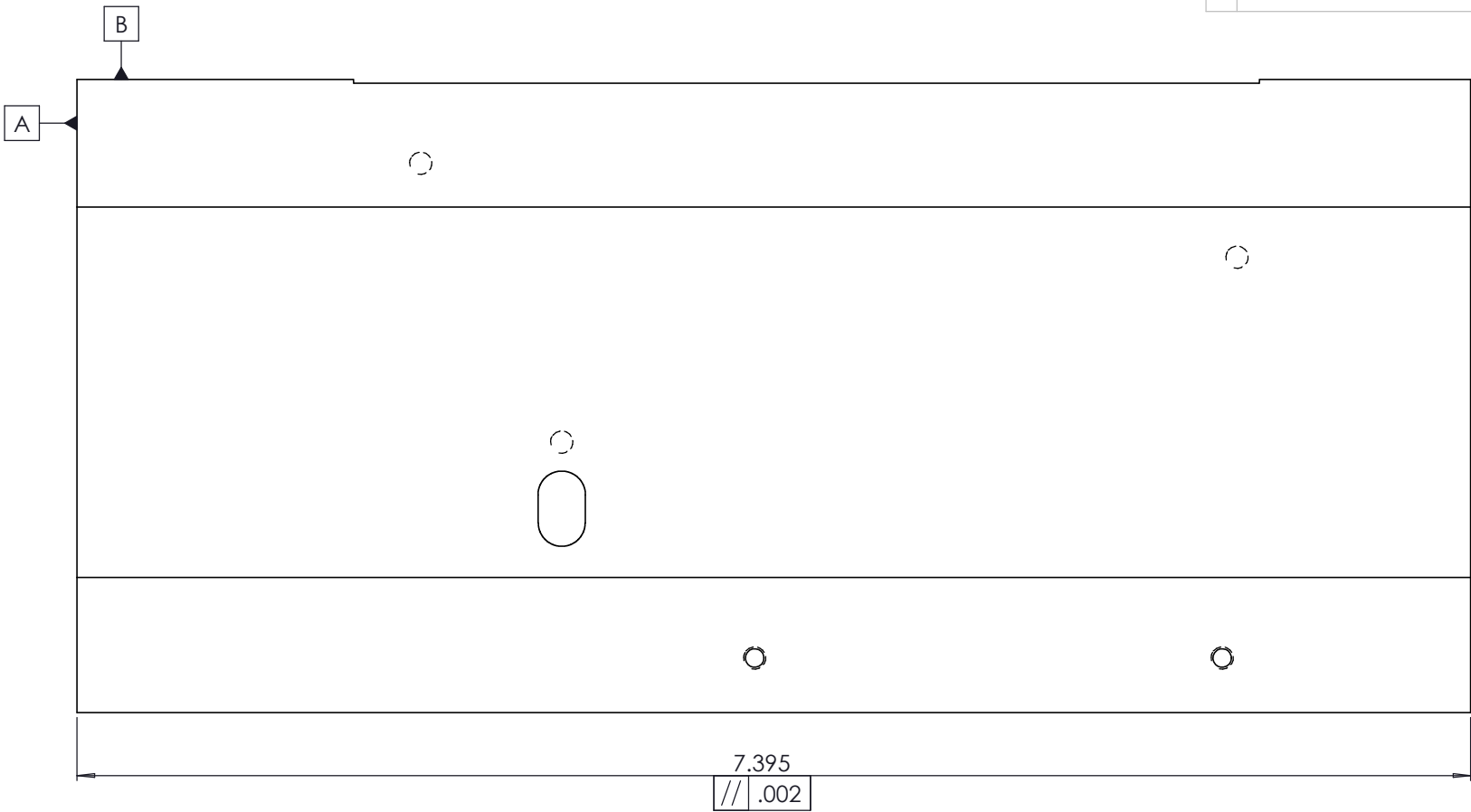
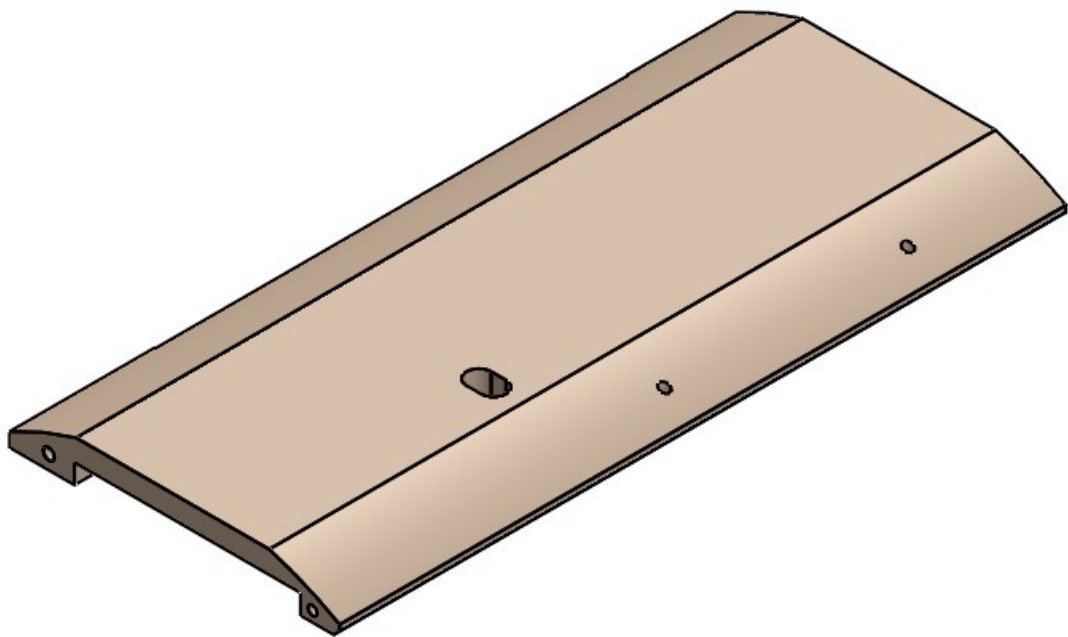


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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
B	Added relief and tapped hole for NET-49 PCB	04/08/2021	
C	XX	XX/XX/202X	



EXTERNAL DIMENSIONS

NOTE 1. SOLID MODEL LOCATION:
\\atlas\ProjectLibrary\902001_4K_ROVCameraDevelopment\EngineeringDesignDocuments\MechanicalDesign\4K_CameraChassis\100221414-18-B_CameraTopPlate.SLDPRT

NOTE 2. MATERIAL: 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).

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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 ±.005	ANGLE ±°	DRAWN MRC		12/15/2020	
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			
						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.	100221414-18-B-DWG	REV. B
						SCALE	CAD FILE:		
								SHEET 1	OF 5

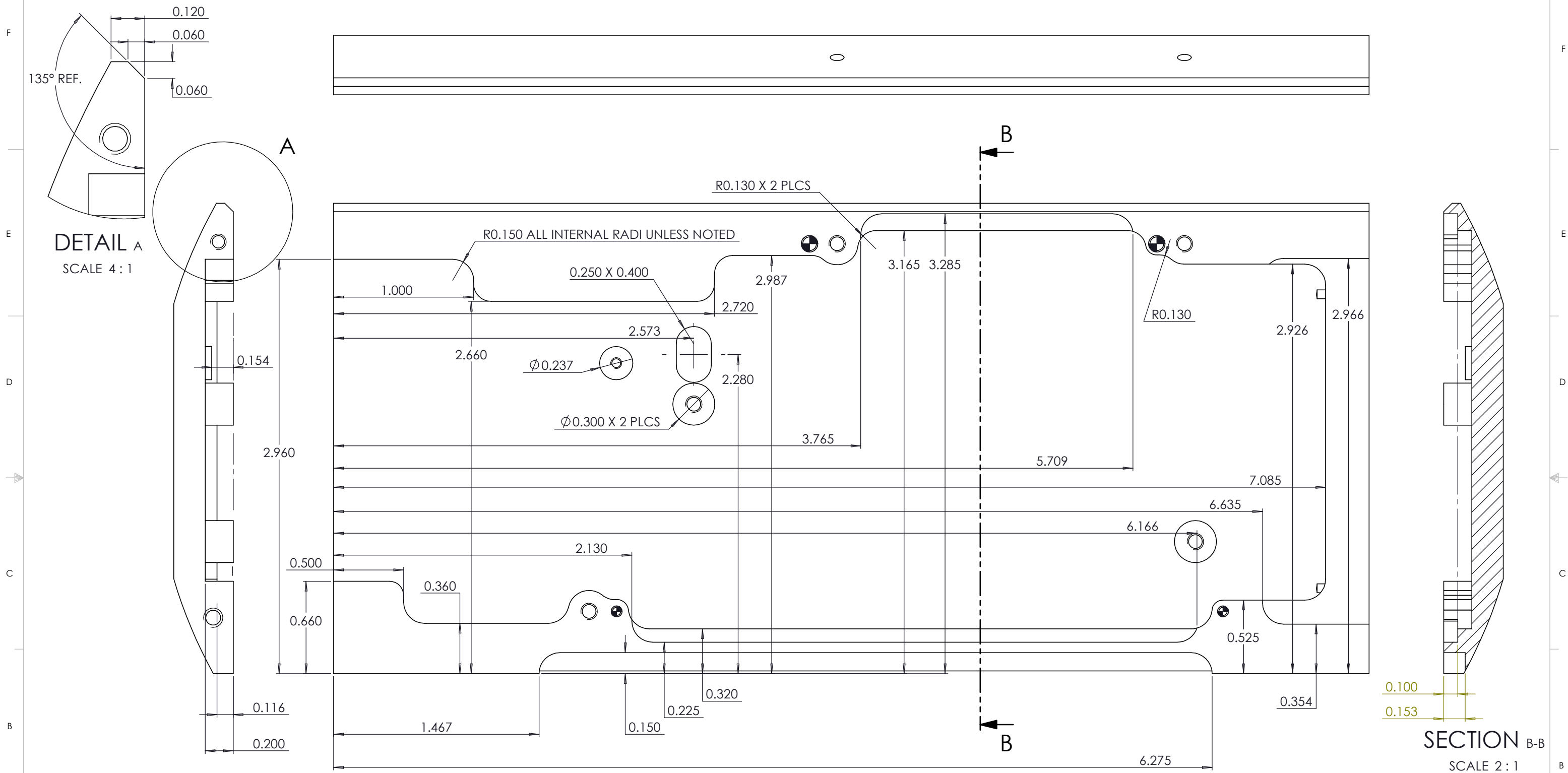


Monterey Bay Aquarium Research Institute

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

4K CAMERA TOP PLATE			
SIZE C	DWG. NO.	100221414-18-B-DWG	REV. B
SCALE	CAD FILE:		
		SHEET 1	OF 5

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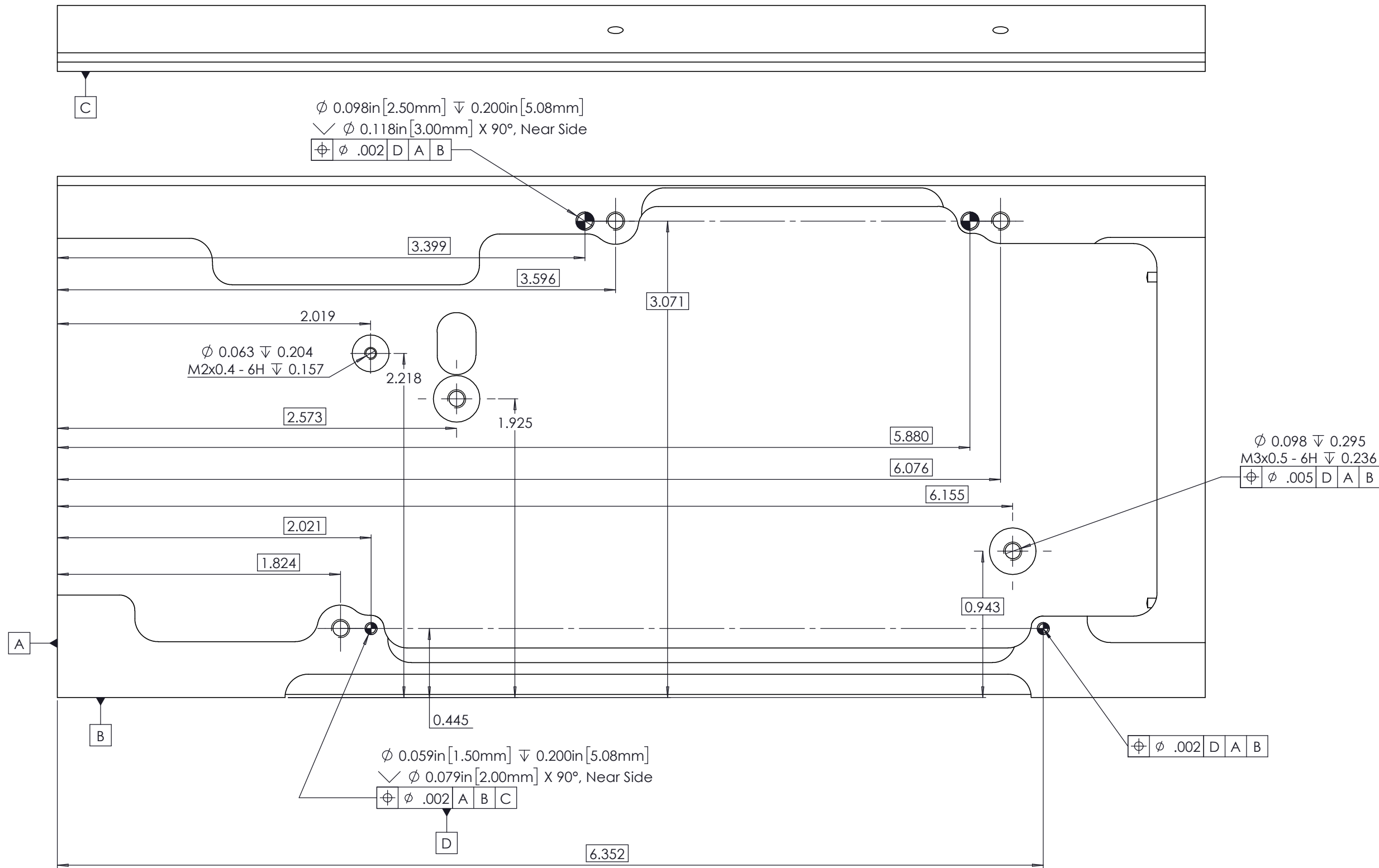
MILLING CUTS

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Shop / Q.C.		BILL OF MATERIALS UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE	
Inspector		1 PLACE DIM ±0.010	2 PLACE DIM ±0.005	3 PLACE DIM ±0.005	ANGLE ±1°	DRAWN MRC		12/15/2020	
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 RADI (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 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.	100221414-18-B-DWG	
						SCALE	CAD FILE:		
								REV.	B
								SHEET 2 OF 5	



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PRECISION HOLE DIMENSIONS

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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		12/15/2020	
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			
NEXT ASSY Description	NEXT ASSY Number					PROJECT No.	902001	4K CAMERA TOP PLATE	
						PROJECT Name	4K ROV CAMERA	SIZE C	
						DO NOT SCALE DRAWING		DWG. NO. 100221414-18-B-DWG	
						WEIGHT		SCALE	
						CAD FILE:		REV. B	
								SHEET 3 OF 5	



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F

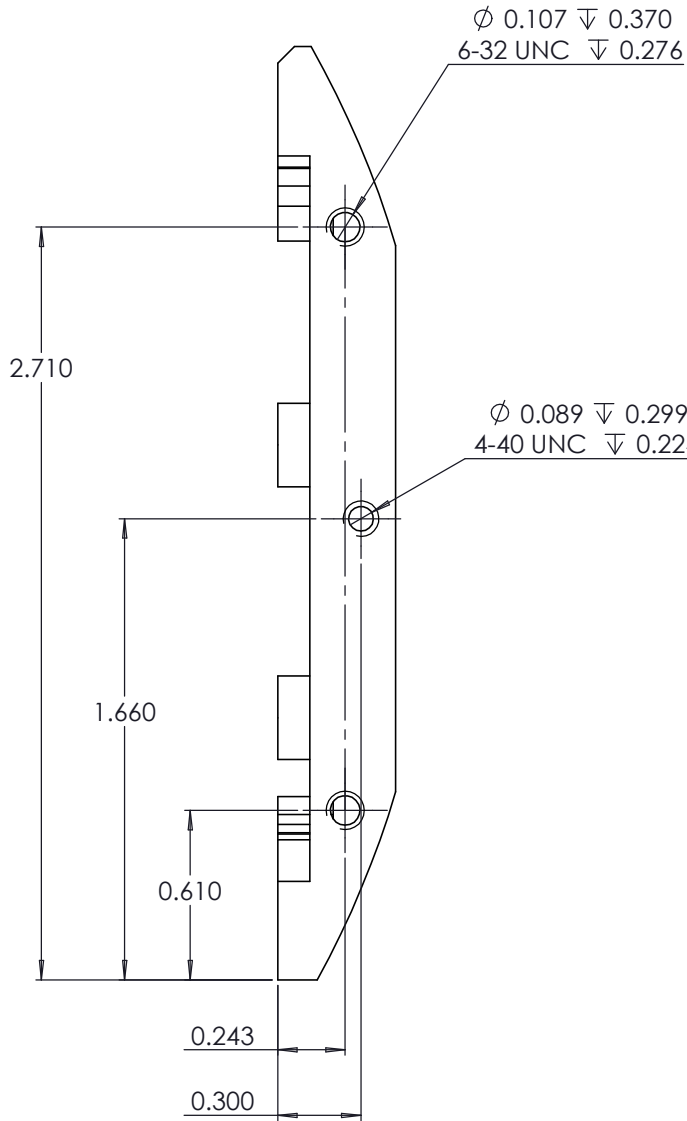
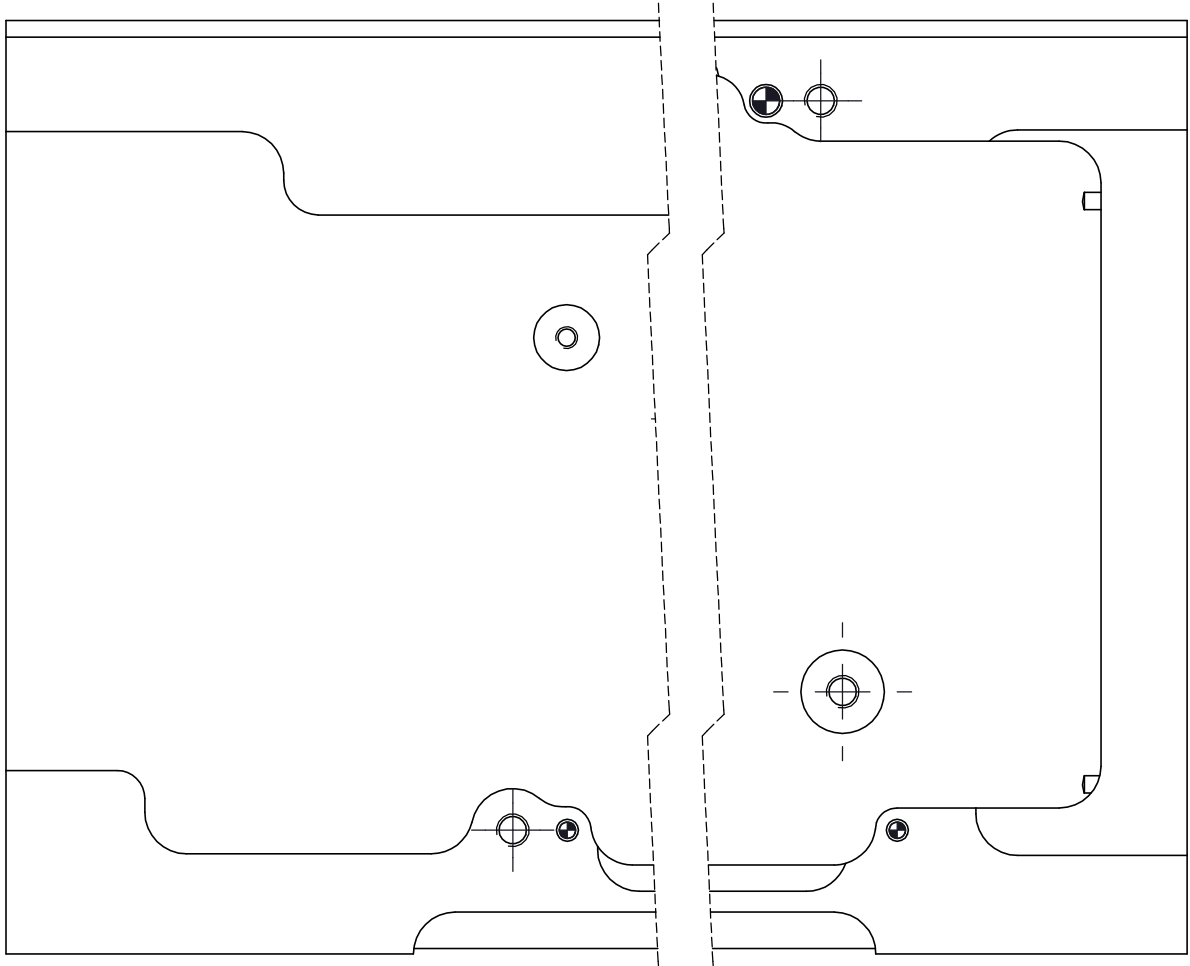
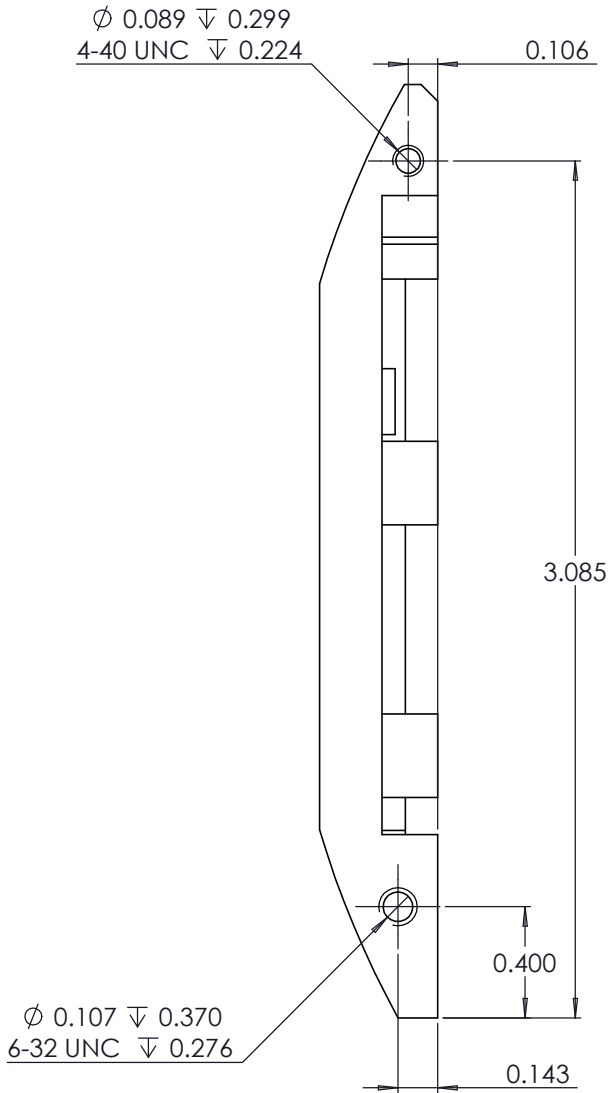
E

D

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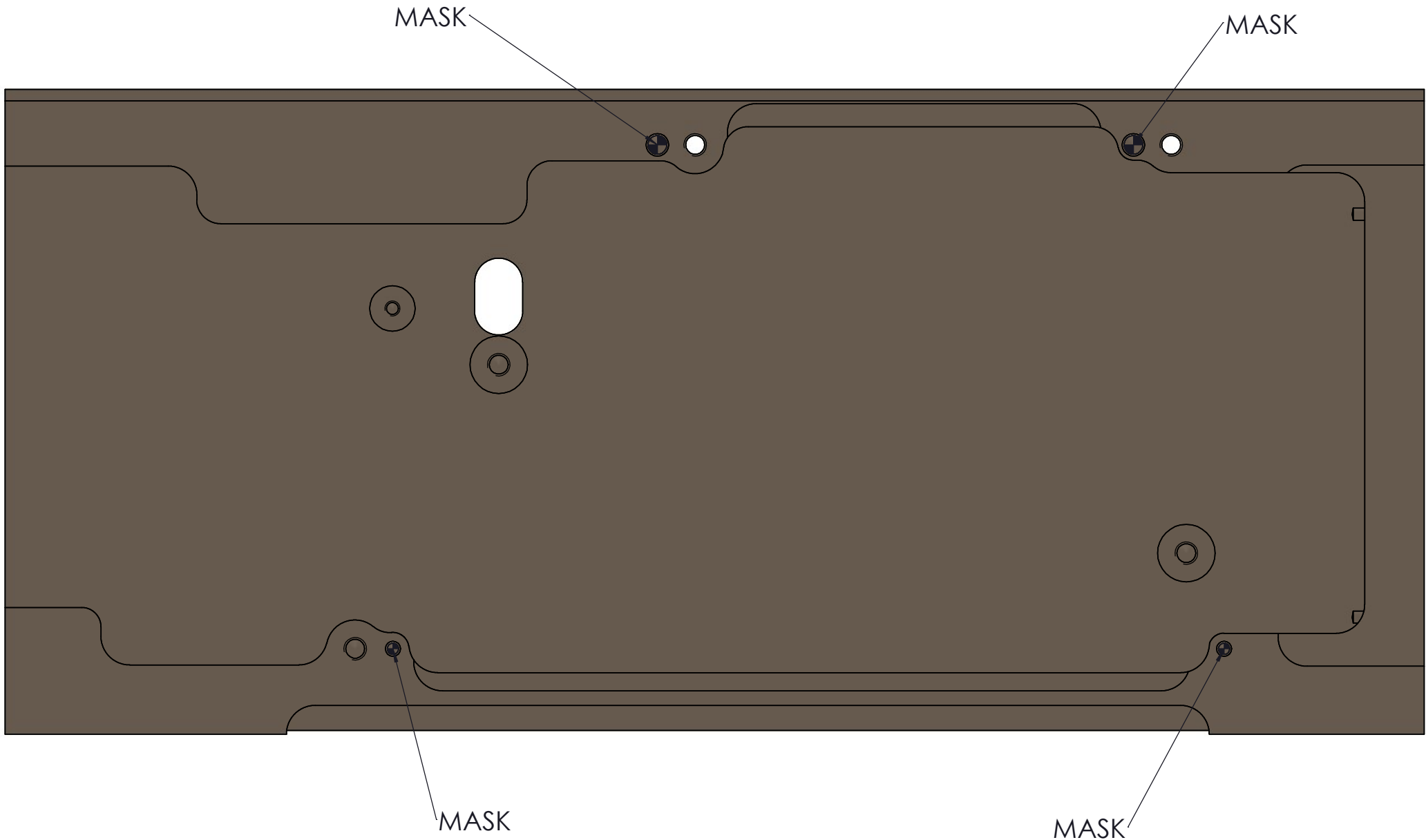
HOLE DIMENSIONS

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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 ±.005	DRAWN MRC		12/15/2020	
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.	100221414-18-B-DWG	
						SCALE	CAD FILE:		
								SHEET 4	OF 5



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ANODIZE MASKING

NOTE 3: 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		 MBARI 7700 Sandholdt Rd. Moss Landing, CA 95039 PH: (831) 775-1700 Monterey Bay Aquarium Research Institute	
Inspector		1 PLACE DIM ±.016	2 PLACE DIM ±.010	3 PLACE DIM ±.005	ANGLE ±°	DRAWN MRC	12/15/2020				
Shop Foreman		1. DIMENSIONS ARE IN INCHES. 2. DIMENSION LIMITS HELD AFTER PLATING. 3. REMOVE BURRS AND SHARP EDGES .015 MAX. 4. MACHINED FILLET 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	MARK R. CHAFFEY (831) 775-1708 c3ma@mbari.org				
Engineer						PROJECT No.	902001				
NEXT ASSY Description	NEXT ASSY Number					PROJECT Name		4K ROV CAMERA			
APPLICATION		DO NOT SCALE DRAWING				WEIGHT	SCALE	CAD FILE:	REV. B		
									SHEET 5 OF 5		

