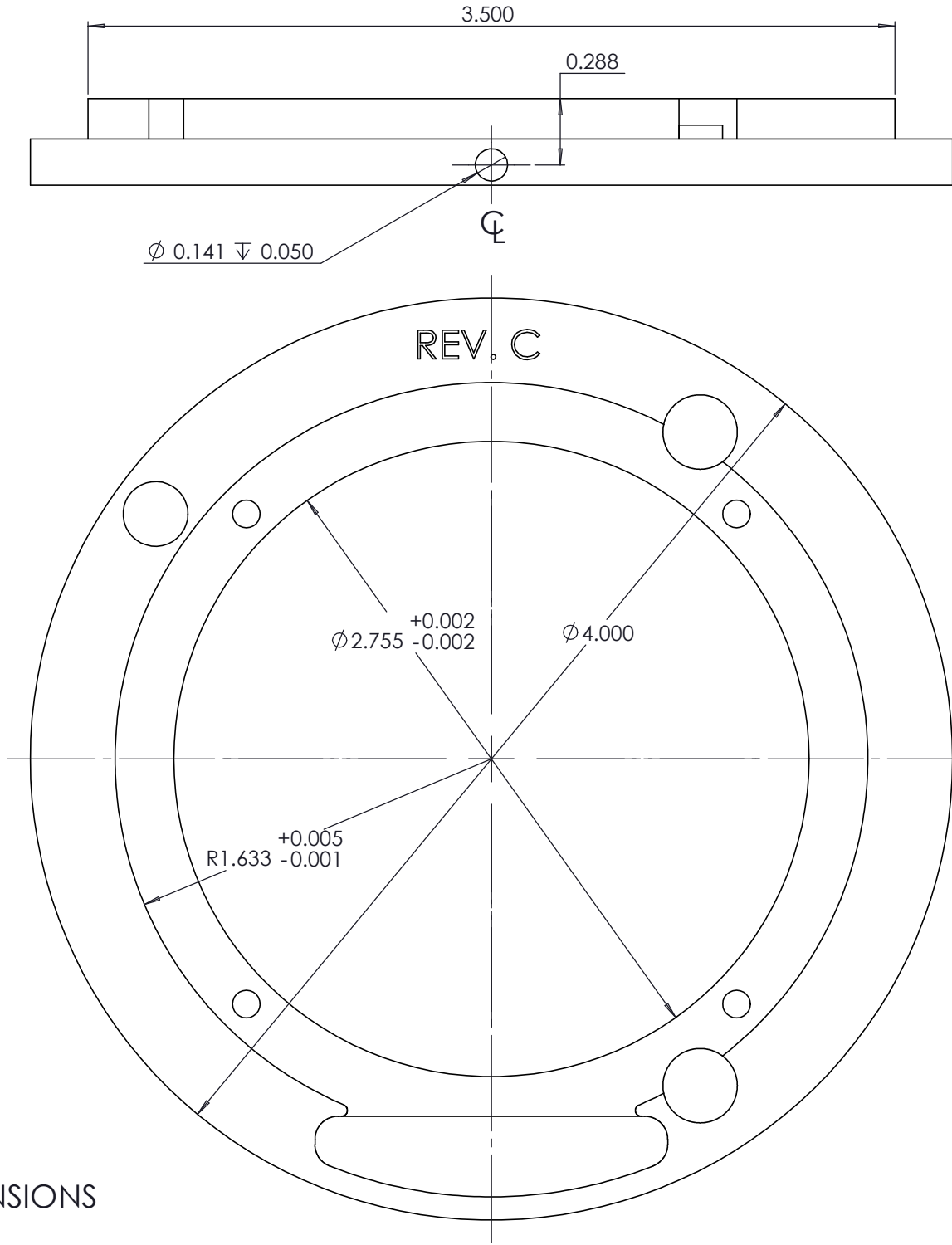


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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
B	XX	XX/XX/202X	
C	Changed clamp screw recess location for more compliance.	04/27/2021	



EXTERNAL DIMENSIONS

NOTE 1. SOLID MODEL LOCATION:
\\atlas\ProjectLibrary\902001_4K_ROVCameraDevelopment\EngineeringDesignDocuments\MechanicalDesign\4K_CameraChassis\100221414-22-C_OpticalBlockFlange.SLDPRT

NOTE 2. MATERIAL 7075 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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NOTE: THIS 'C' REVISION MOVED THE ADJUSTMENT SCREW RECESS SLIGHTLY TO ALLOW MORE COMPLIANCE FOR ADJUSTING LENS TILT. NEW CAMERA BUILDS AFTER SER. NO. 003 MUST USE THE 'C' REVISION.

Shop / Q.C.		BILL OF MATERIALS UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE	
Inspector		1 PLACE DIM ±.016	2 PLACE DIM ±.001	3 PLACE DIM ±.005	ANGLE ±°	DRAWN MRC	12/17/2020		
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		
Engineer						(831) 775-1708			
						chma@mbari.org			
NEXT ASSY Description	NEXT ASSY Number					PROJECT No.	902001		
						PROJECT Name	4K ROV CAMERA		
APPLICATION		DO NOT SCALE DRAWING				WEIGHT			



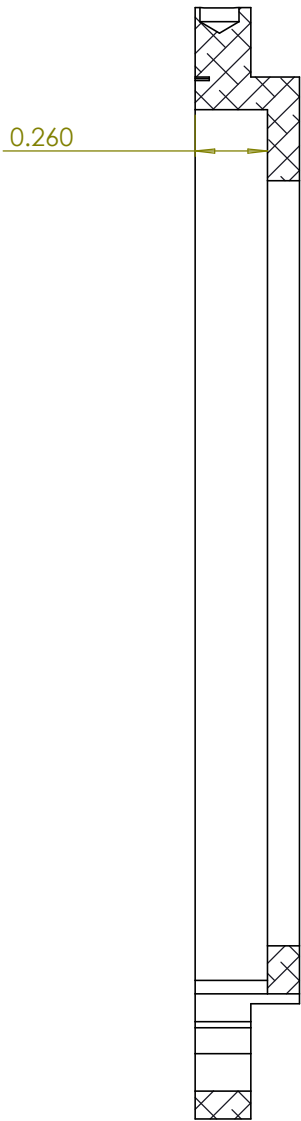
MBARI

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

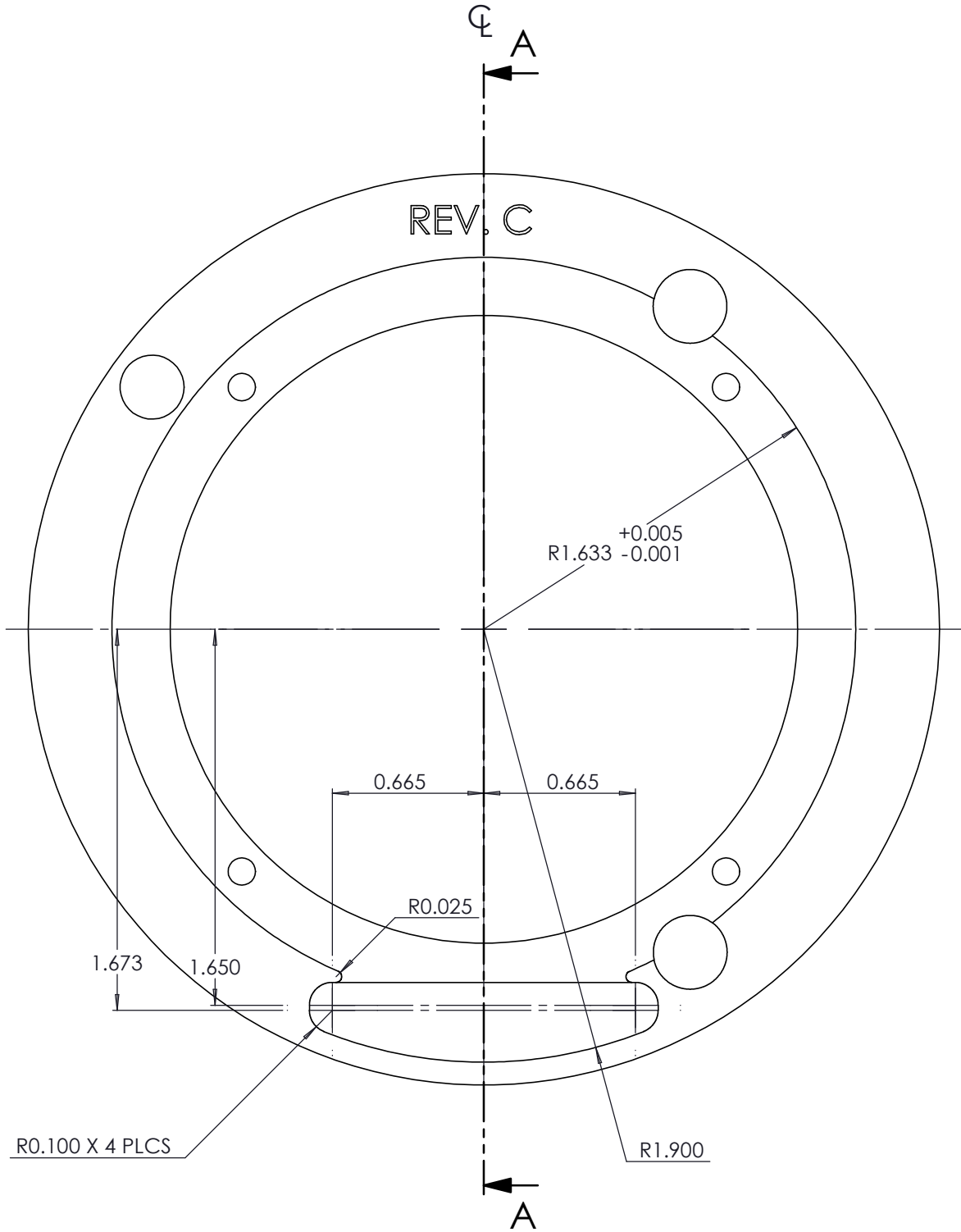
Monterey Bay Aquarium
Research Institute

SIZE C	DWG. NO.	100221414-22-C-DWG		REV. C
SCALE	CAD FILE:			SHEET 1 OF 3

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SECTION A-A
SCALE 2 : 1



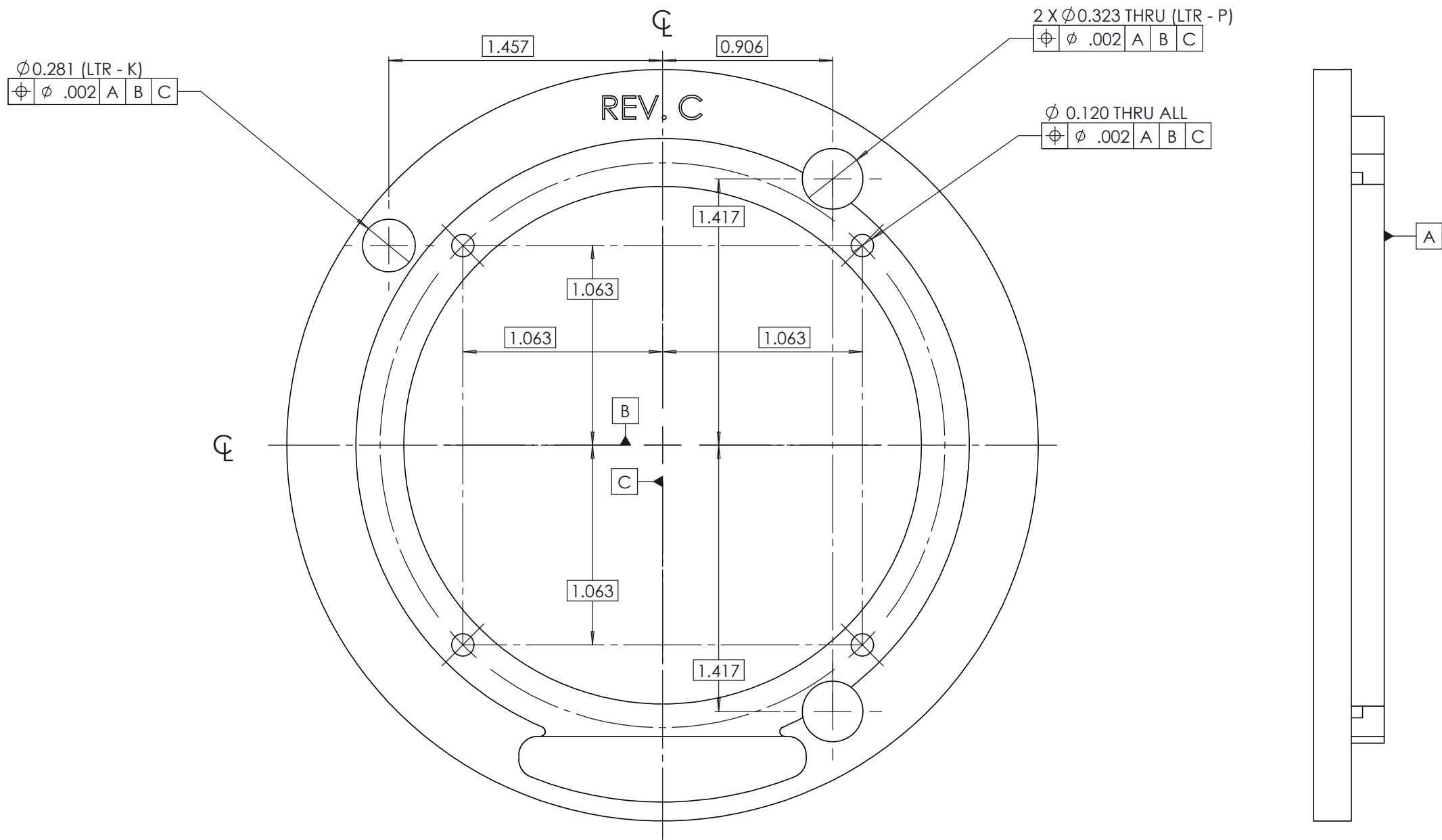
POCKET MILLING

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Shop / Q.C.		BILL OF MATERIALS UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE		 MBARI Monterey Bay Aquarium Research Institute			
Inspector		1 PLACE DIM ±.010	2 PLACE DIM ±.005	3 PLACE DIM ±.005	ANGLE ±.1°	DRAWN MRC	12/17/2022		MBARI 7700 Sandholdt Rd. Monterey, 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 .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	MARK R. CHAFFEY						
Engineer						(831) 775-1708		crtm@mbari.org					
NEXT ASSY Description	NEXT ASSY Number											PROJECT No.	902001
						PROJECT Name	4K ROV CAMERA		SIZE C	DWG. NO.	100221414-22-A-DWG	REV. A	
APPLICATION		DO NOT SCALE DRAWING				WEIGHT	SCALE		CAD FILE:		SHEET 2 OF 3		



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PRECISION HOLE CALLOUT

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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		12/17/2020	
Shop Foreman		1. DIMENSIONS ARE IN INCHES. 2. DIMENSION LIMITS HELD AFTER PLATING. 3. REMOVE MARKS 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 chm@mbari.org			
APPLICATION		DO NOT SCALE DRAWING		WEIGHT		PROJECT No.	902001	PROJECT Name	
						4K ROV CAMERA		SIZE C	DWG. NO.
								SCALE	CAD FILE:
									REV. A
									SHEET 3 OF 3

