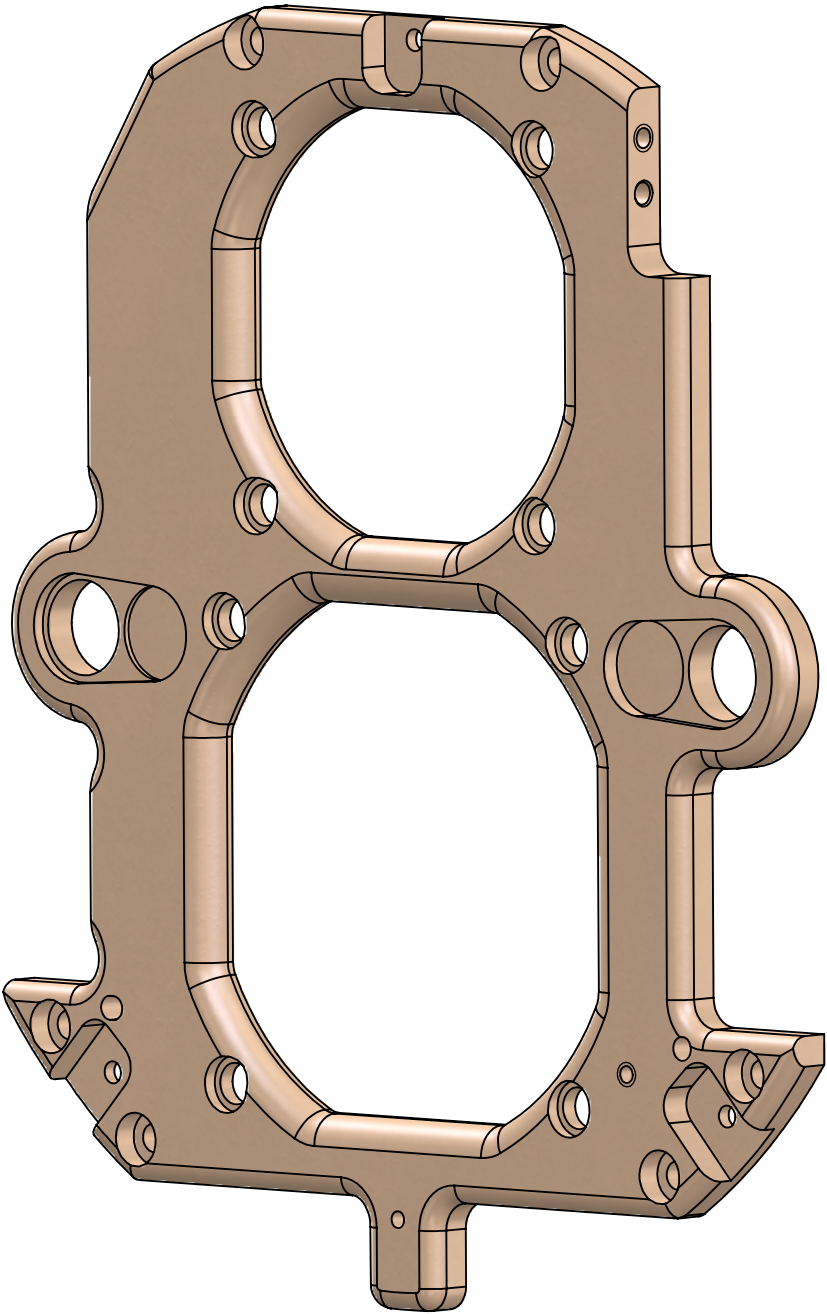
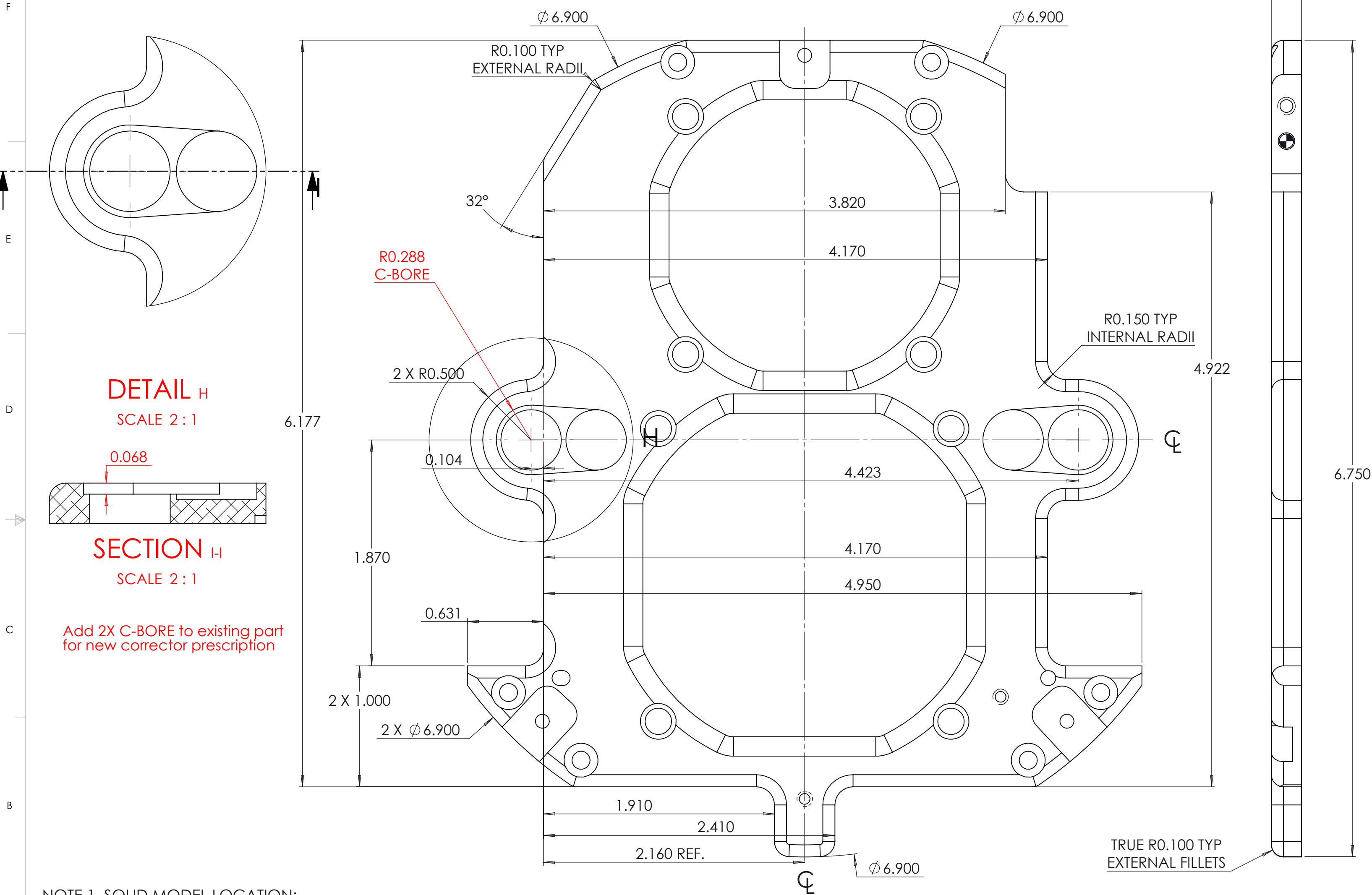


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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
B	Add C-BORE to bushing holes	08/02/2022	
C	XX	XX/XX/202X	



EXTERNAL DIMENSIONS

NOTE 1. SOLID MODEL LOCATION:
\\atlas\ProjectLibrary\902001_4K_ROVCameraDevelopment\EngineeringDesignDocuments\MechanicalDesign\4K_CameraChassis\100221414-45-A_RearChassisPlate.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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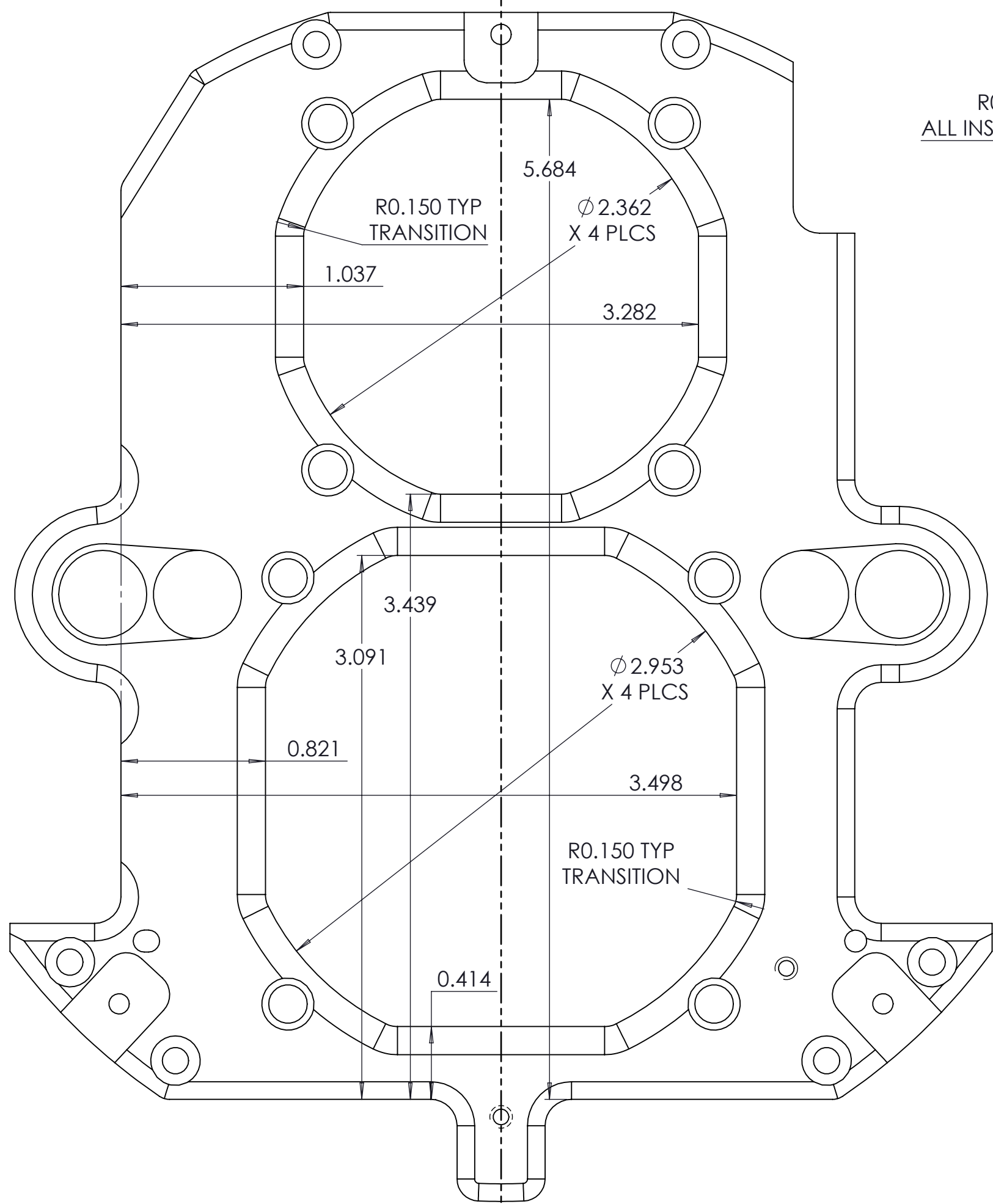
Shop / Q.C.		BILL OF MATERIALS UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:		APPROVALS		DATE	
Inspector		1 PLACE DIM ±.118	2 PLACE DIM ±.050	ANGLE ±1°	DRAWN MRC	12/21/2020	
Shop Foreman		1. DIMENSIONS ARE IN INCHES. 2. DIMENSION LIMITS HELD AFTER PLATING. 3. REMOVE BURRS AND SHARP EDGES .015 MAX. 4. MACHINED 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 MARK R. CHAFFEY (831) 775-1708 mrc@mbari.org		PROJECT No. 902001	
Next Assy Description	Next Assy Number	PROJECT Name 4K ROV CAMERA		SIZE C		DWG. NO. 100221414-45-A-DWG	
APPLICATION		DO NOT SCALE DRAWING		WEIGHT		SCALE CAD FILE:	
						SHEET 1 OF 6	



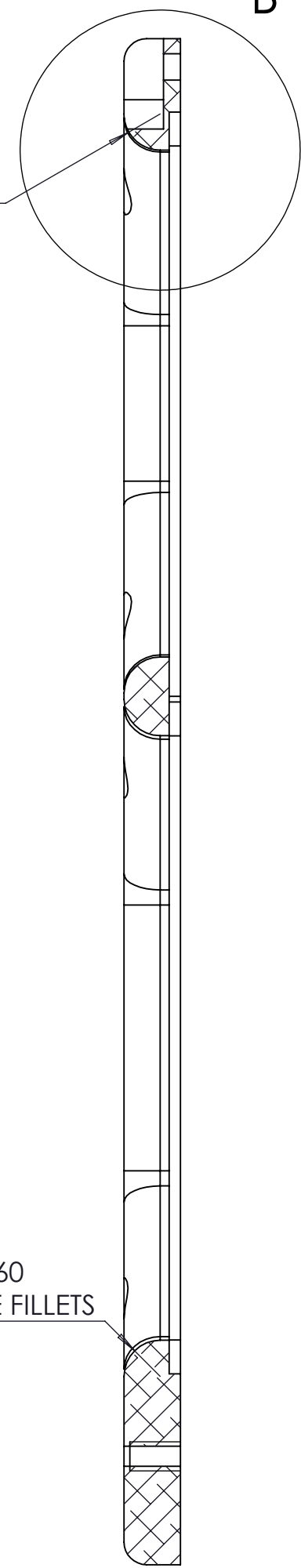
4K CAMERA REAR CHASSIS PLATE

REV. B

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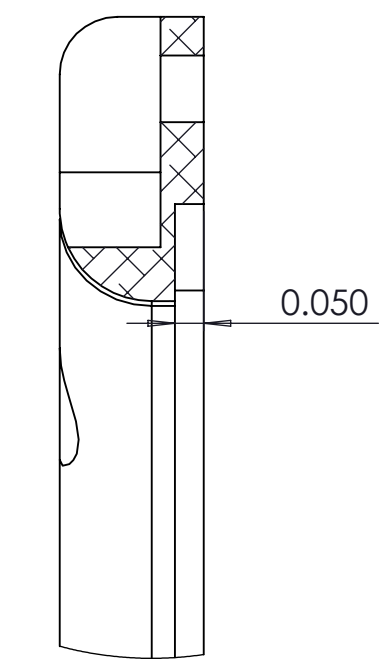


R0.160
ALL INSIDE FILLETS

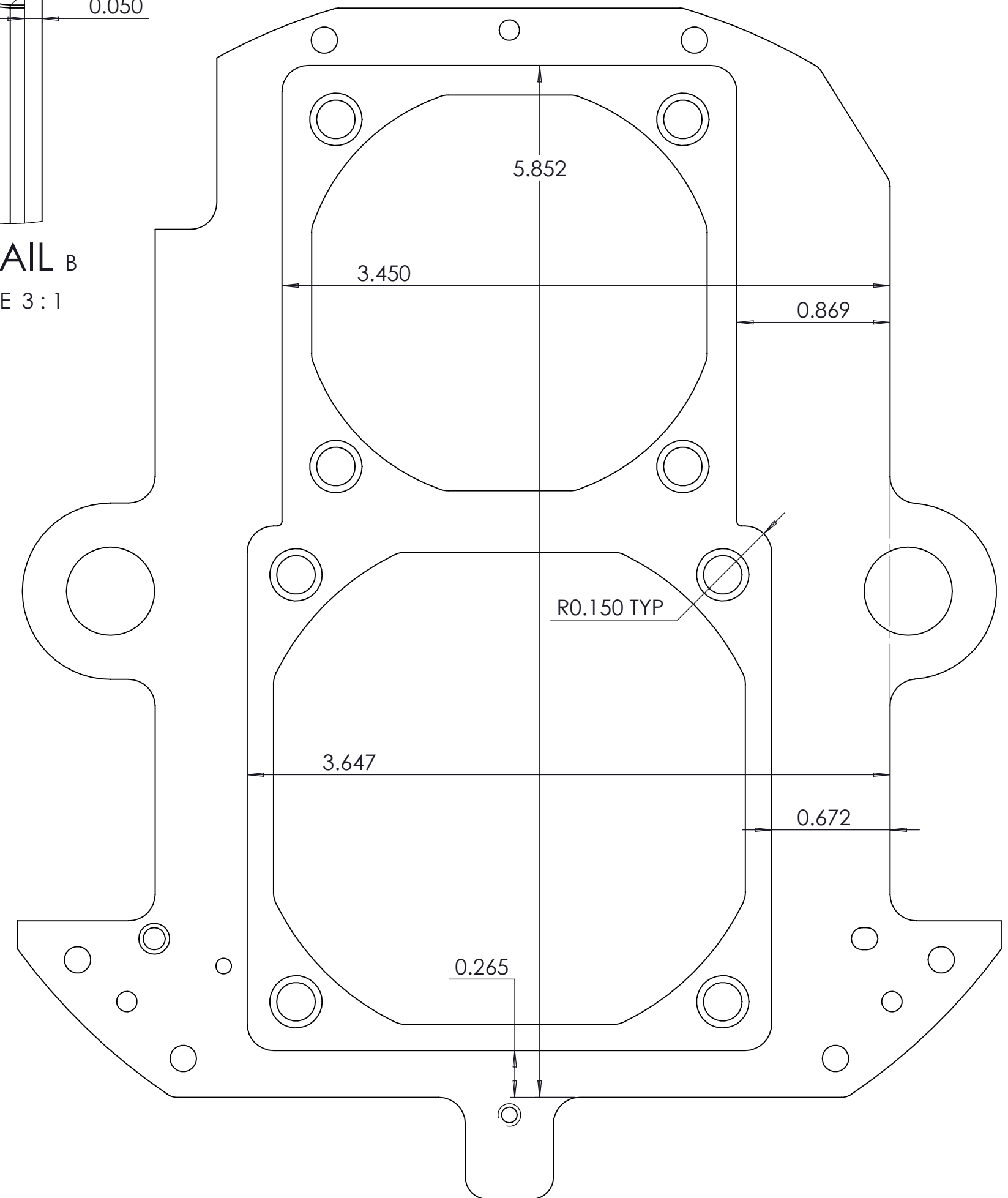


SECTION A-A
SCALE 1.5 : 1

FAN OPENINGS



DETAIL B
SCALE 3:1

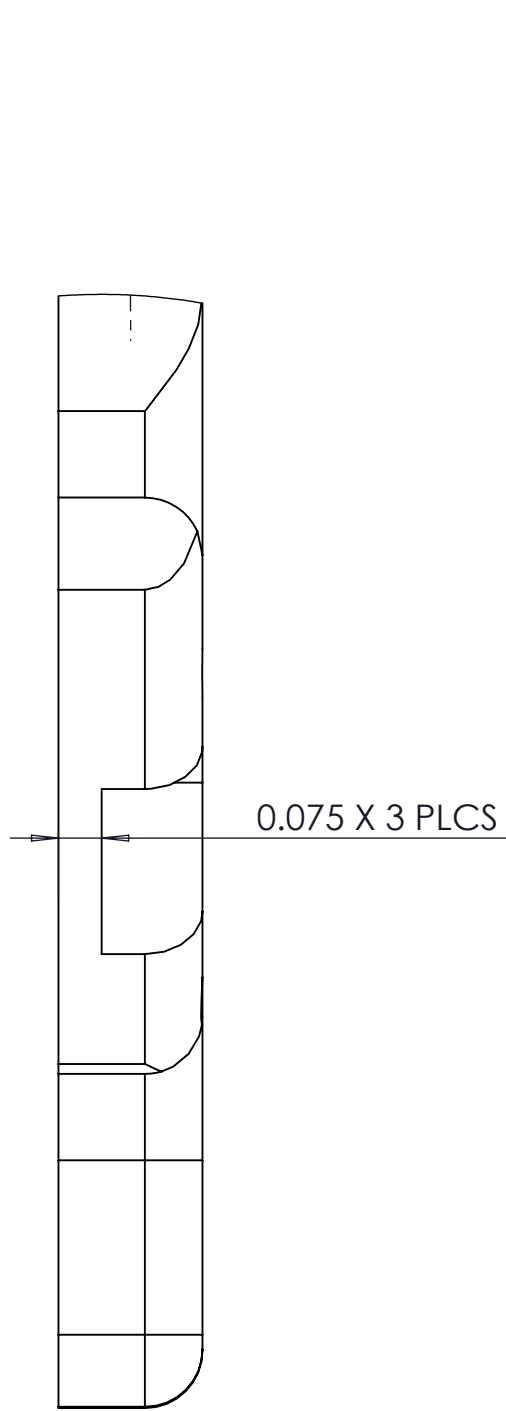


Shop / Q.C.		BILL OF MATERIALS UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:		APPROVALS DATE		 MBARI 7700 Sandholdt Rd. Moss Landing, CA 95039 PH: (831) 775-1700 Monterey Bay Aquarium Research Institute		
Inspector		1 PLACE DIM ±.116	2 PLACE DIM ±.020	3 PLACE DIM ±.005	ANGLE ±1°	DRAWN MRC	12/21/2020	
Shop Foreman	1. DIMENSIONS ARE IN INCHES. 2. DIMENSION LIMITS AND FLAT PLATING. 3. REMOVE BURRS AND SHARP EDGES. O15 MAX. 4. MACHINED FILED RAYS .015, 0.001.					ENGINEER	MARK R. CHAFFEY (831) 775-1708 mrcha@mbari.org	
Engineer	4. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005					PROJECT NO.		902001
NEXT ASSY Description	NEXT ASSY Number	5. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH MAX. .012 INCHES FOR SINGLE SURFACE.					4K CAMERA REAR CHASSIS PLATE	
APPLICATION		DO NOT SCALE DRAWING		WEIGHT	PROJECT Name 4K ROV CAMERA		SIZE C	
					DWG. NO. 100221414-45-A-DWG		REV. B	
					SCALE CAD FILE:		SHEET 2 OF 6	

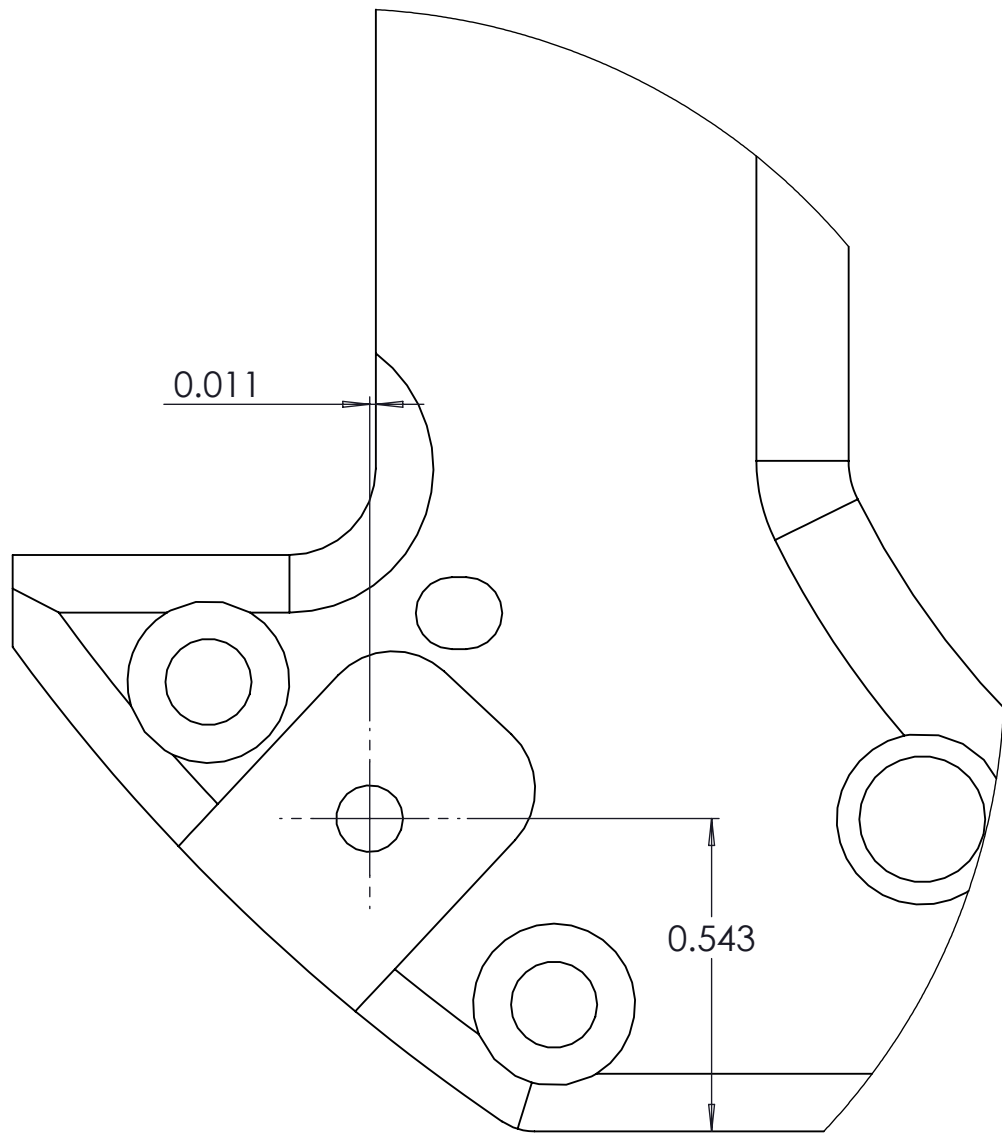
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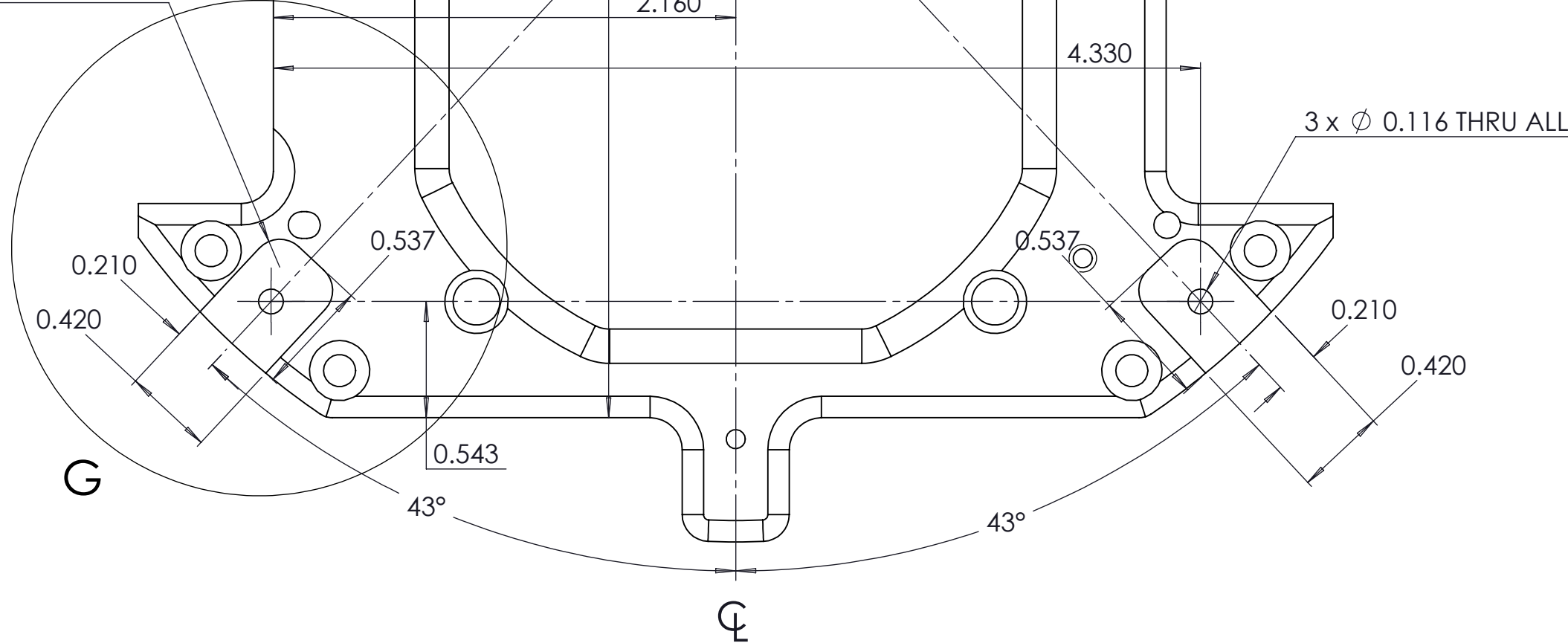


DETAIL F
SCALE 3 : 1



DETAIL G
SCALE 3 : 1

R0.130 TYP ALL RADII



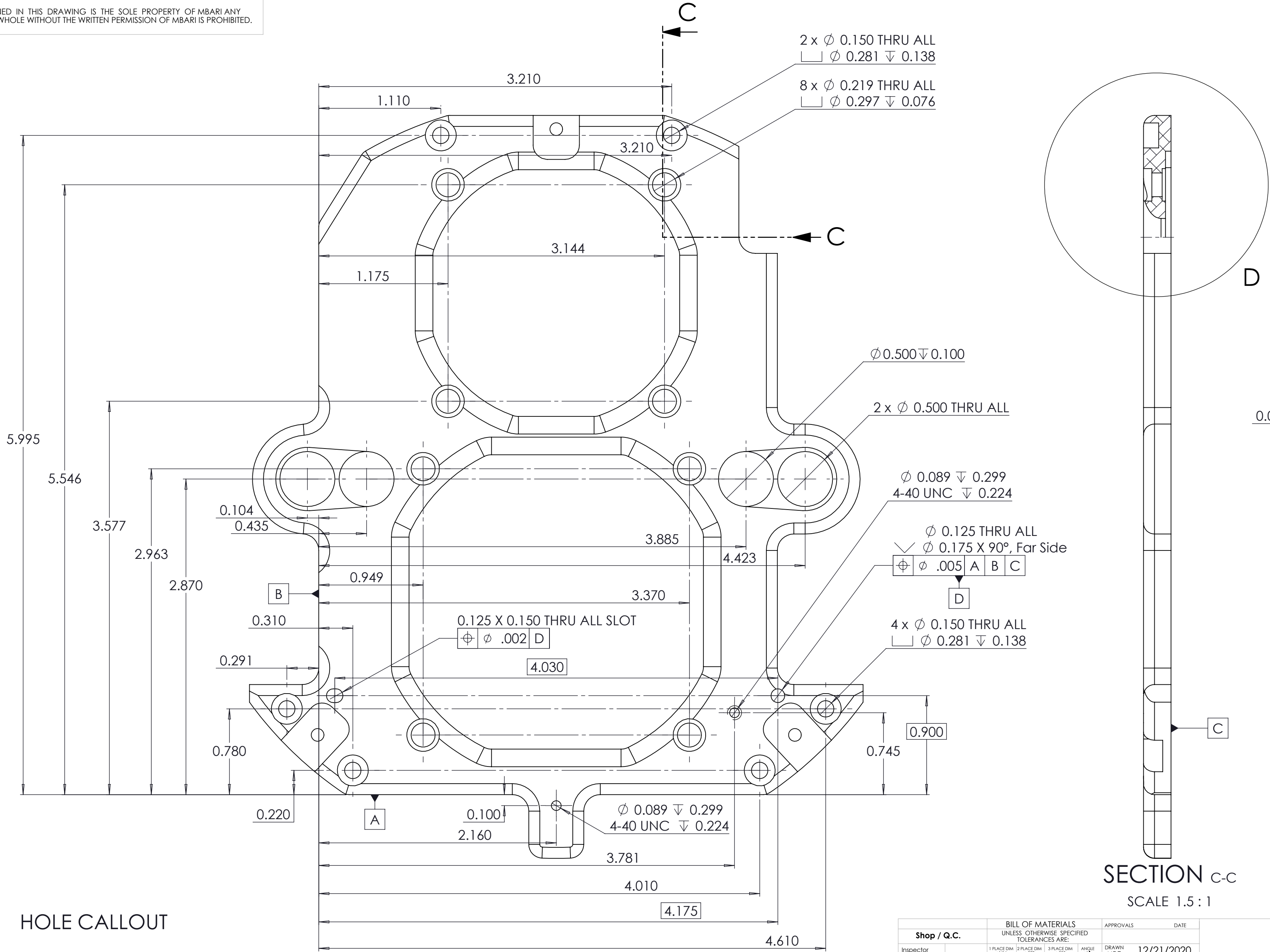
RADIAL CLAMP POCKETS

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Shop / Q.C.		BILL OF MATERIALS UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:			APPROVALS DATE	
Inspector		1 PLACE DIM ±.118	2 PLACE DIM ±.050	ANGLE ±1°	DRAWN MRC ENGINEER 12/21/2020	MBARI 7700 Sandholdt Rd. Moss Landing, CA 95039 PH: (831) 775-1700 cbrna@mbari.org
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.			MARK R. CHAFFEY (831) 775-1708 cbrna@mbari.org	
Engineer					PROJECT No. 902001	
NEXT ASSY Description	NEXT ASSY Number				PROJECT Name 4K ROV CAMERA	
APPLICATION		DO NOT SCALE DRAWING			WEIGHT	SIZE C
					SCALE	DWG. NO. 100221414-45-A-DWG
					CAD FILE:	REV. B
					SHEET 3 OF 6	



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HOLE CALLOUT

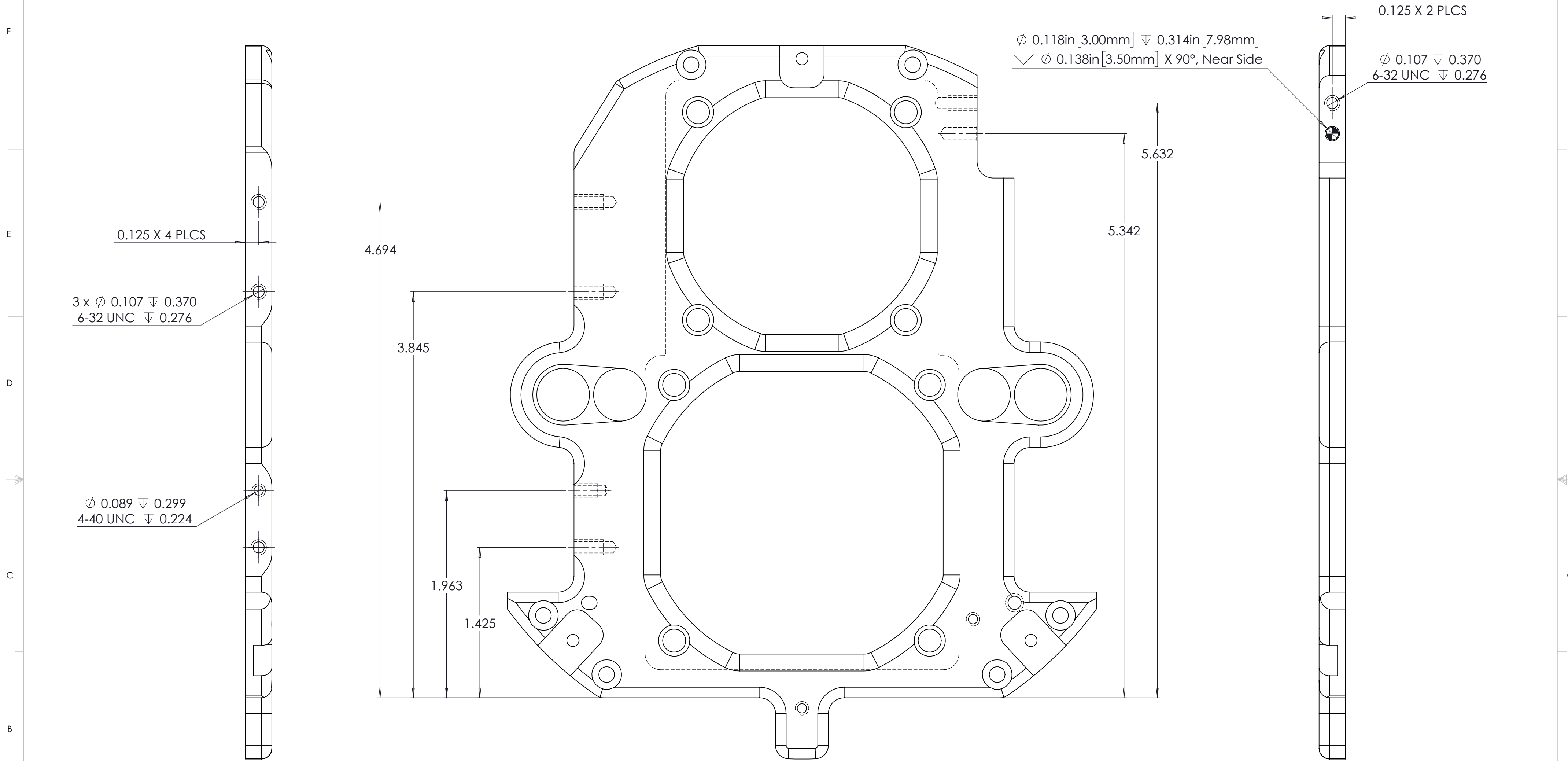
SECTION C-C
SCALE 1.5 : 1

DETAIL D
SCALE 3 : 1
FAN MOUNT HOLES

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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 ±.118	2 PLACE DIM ±.050	3 PLACE DIM ±.005	ANGLE ±1°	DRAWN MRC		12/21/2020					
Shop Foreman						ENGINEER							
Engineer						MARK R. CHAFFEY							
						(831) 775-1708 chm@mbari.org							
NEXT ASSY Description	NEXT ASSY Number					PROJECT No.	902001	4K CAMERA REAR CHASSIS PLATE					
						PROJECT Name	4K ROV CAMERA	SIZE C	DWG. NO.	100221414-45-A-DWG		REV. B	
APPLICATION		DO NOT SCALE DRAWING				WEIGHT		SCALE	CAD FILE:				
										SHEET 4 OF 6			

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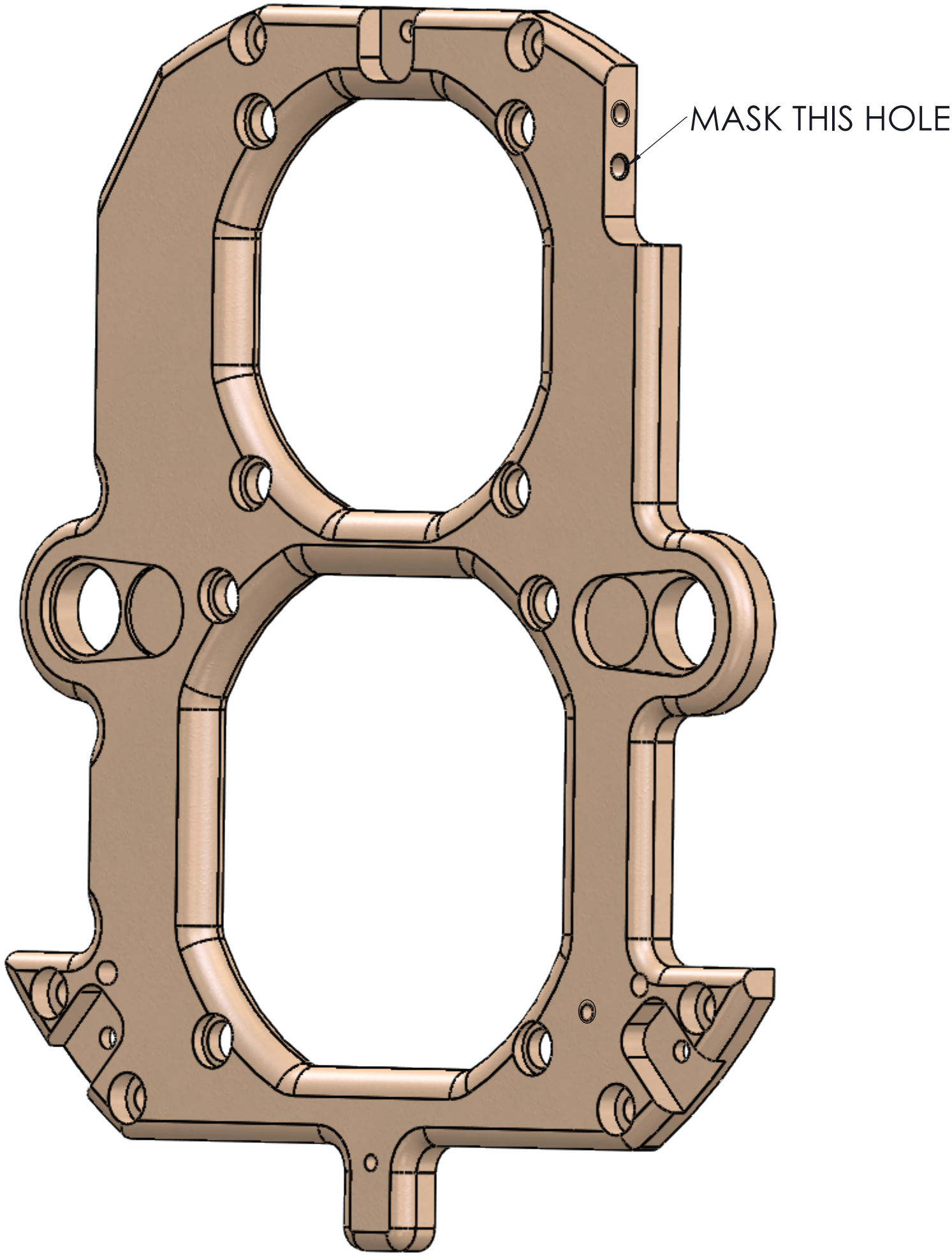
EDGE HOLE CALLOUT

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Shop / Q.C.		BILL OF MATERIALS UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE	
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.001	3 PLACE DIM ±.000	ANGLE ±1°	DRAWN MRC		12/21/2020	
Shop Foreman		1. DIMENSIONS ARE IN INCHES. 2. DIMENSION LIMITS HELD AFTER PLATING. 3. REMOVE BURRS AND SHARP EDGES .015 MAX. 4. MACHINED FILET 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			
						chma@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.	100221414-45-A-DWG	REV. B
						SCALE	CAD FILE:	SHEET 5 OF 6	



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ANODIZE MASKING CALLOUT

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 Monterey Bay Aquarium Research Institute			
Inspector		1 PLACE DIM ±.118	2 PLACE DIM ±.000	3 PLACE DIM ±.000	ANGLE ±1°	DRAWN MRC	12/21/2020				
Shop Foreman		1. DIMENSIONS ARE IN INCHES. 2. DIMENSION LIMITS HELD AFTER PLATING. 3. REMOVE BURRS AND SHARP EDGES .015 MAX. 4. MACHINED FILET RADI .015-.000. 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 chrm@mbari.org					
NEXT ASSY Description	NEXT ASSY Number					PROJECT No.				902001	
APPLICATION		DO NOT SCALE DRAWING		WEIGHT		SCALE		CAD FILE:		SHEET 6 OF 6	
						SIZE C		DWG. NO.		REV.	
								100221414-45-A-DWG		B	

