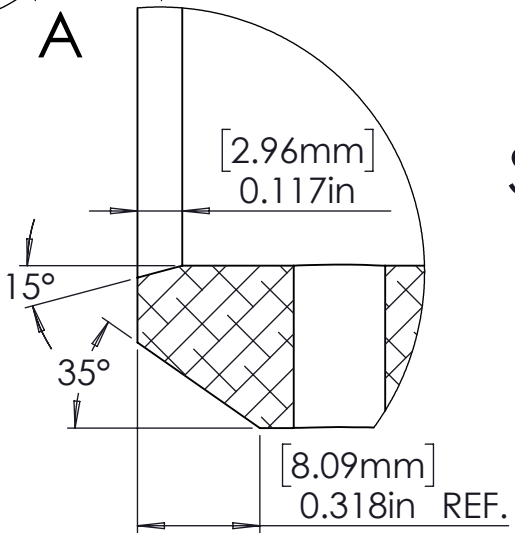
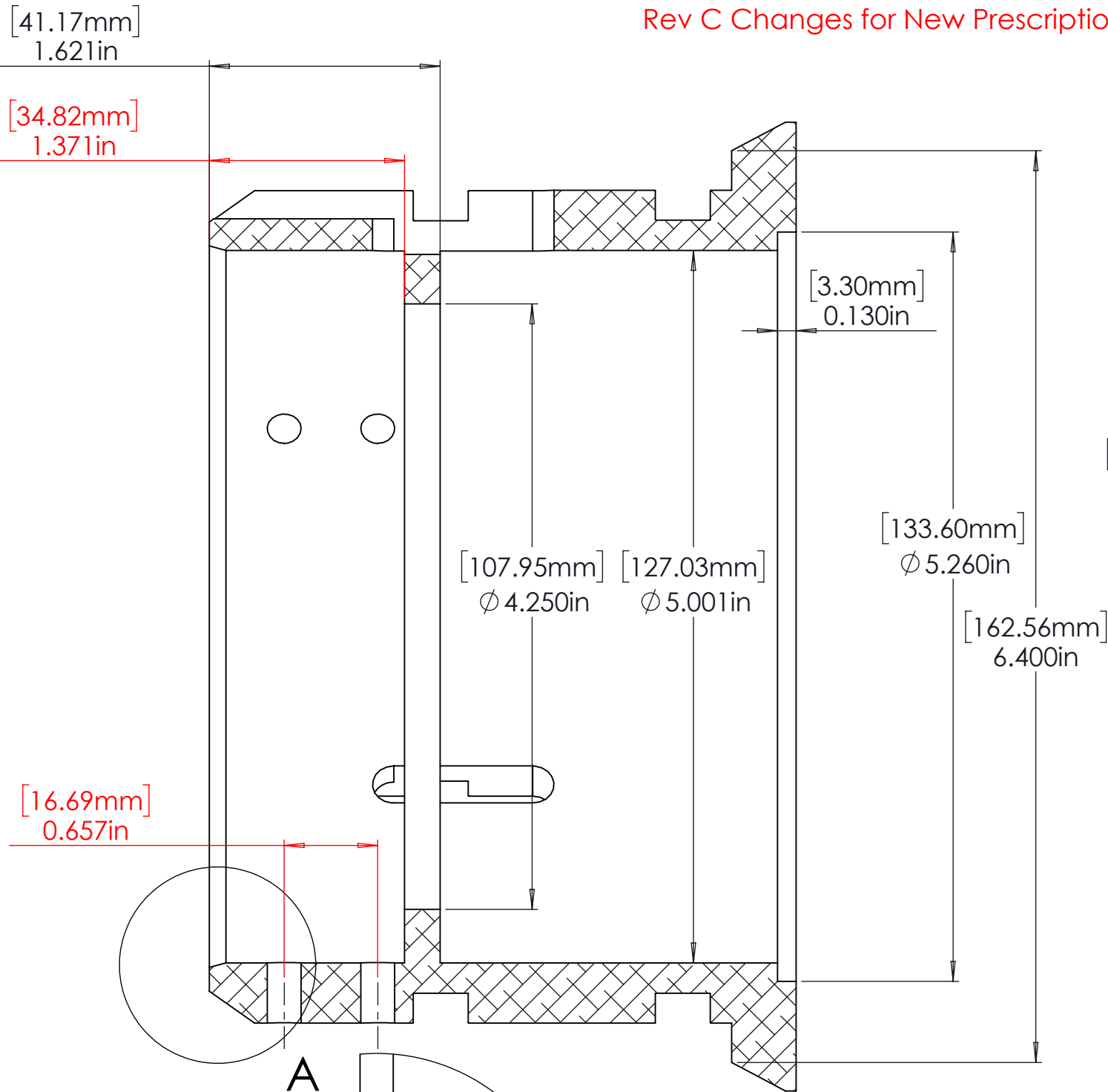


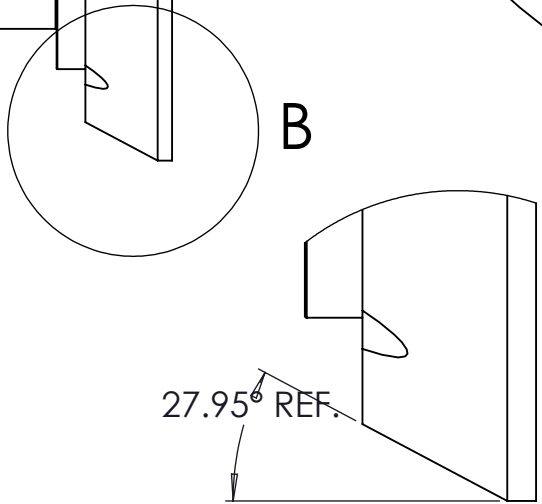
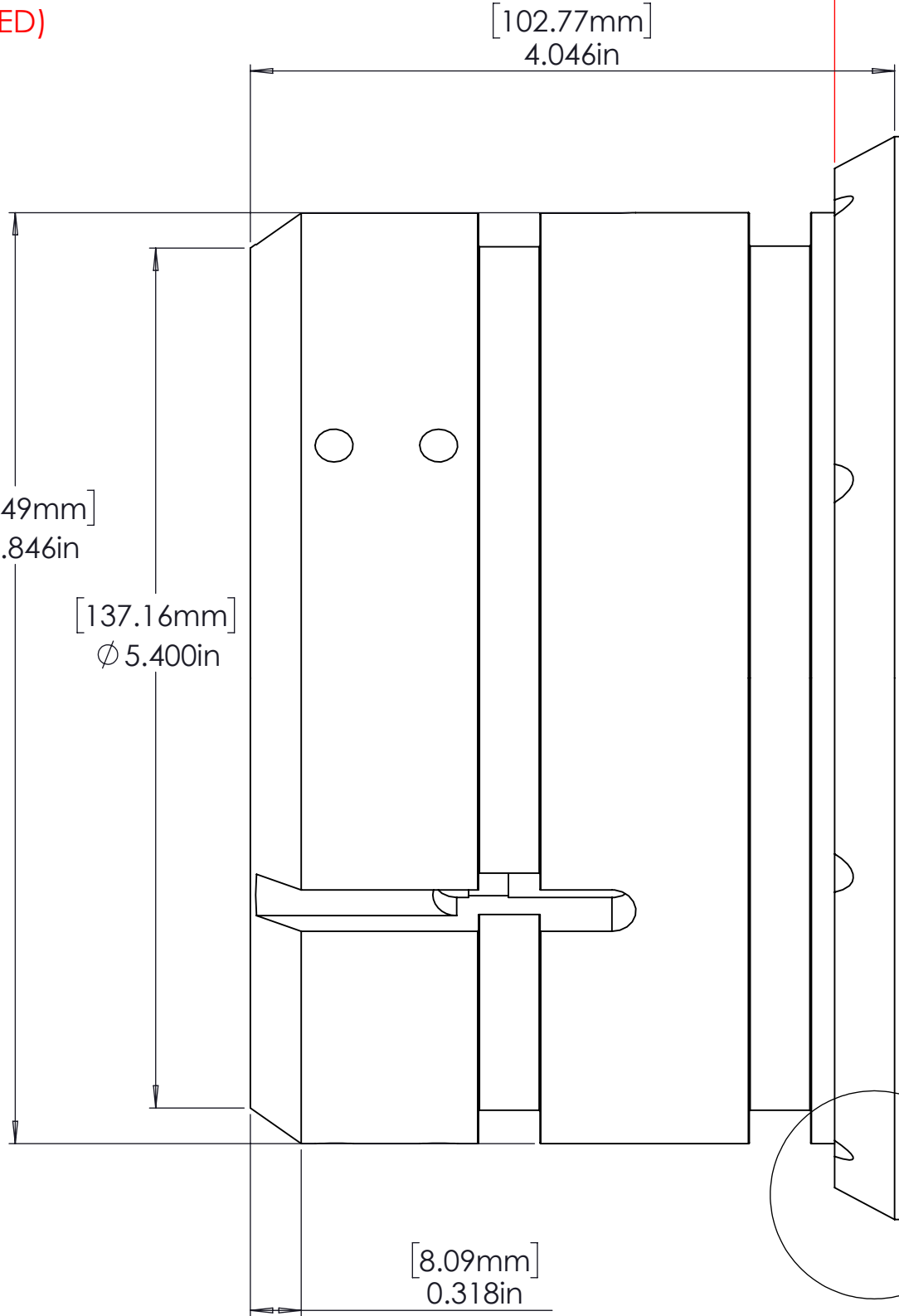
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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
B	ADDED HOLE MASKING CALLOUT	03/12/2021	
C	Revised for new corrector prescription	08/02/2022	

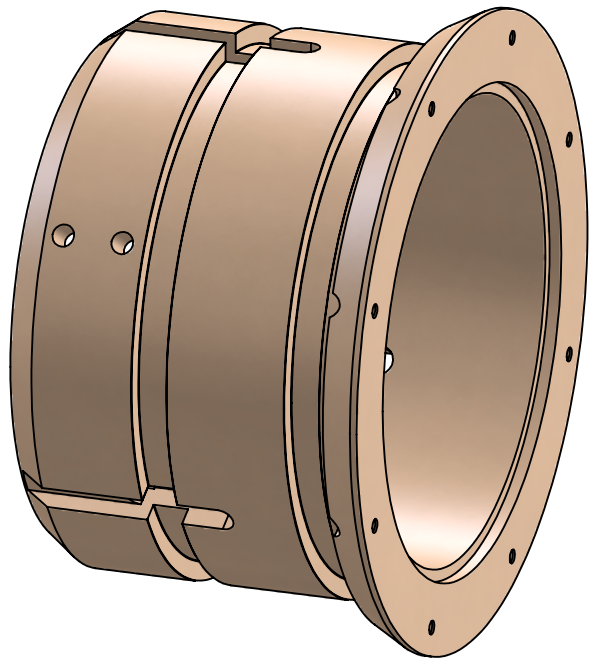
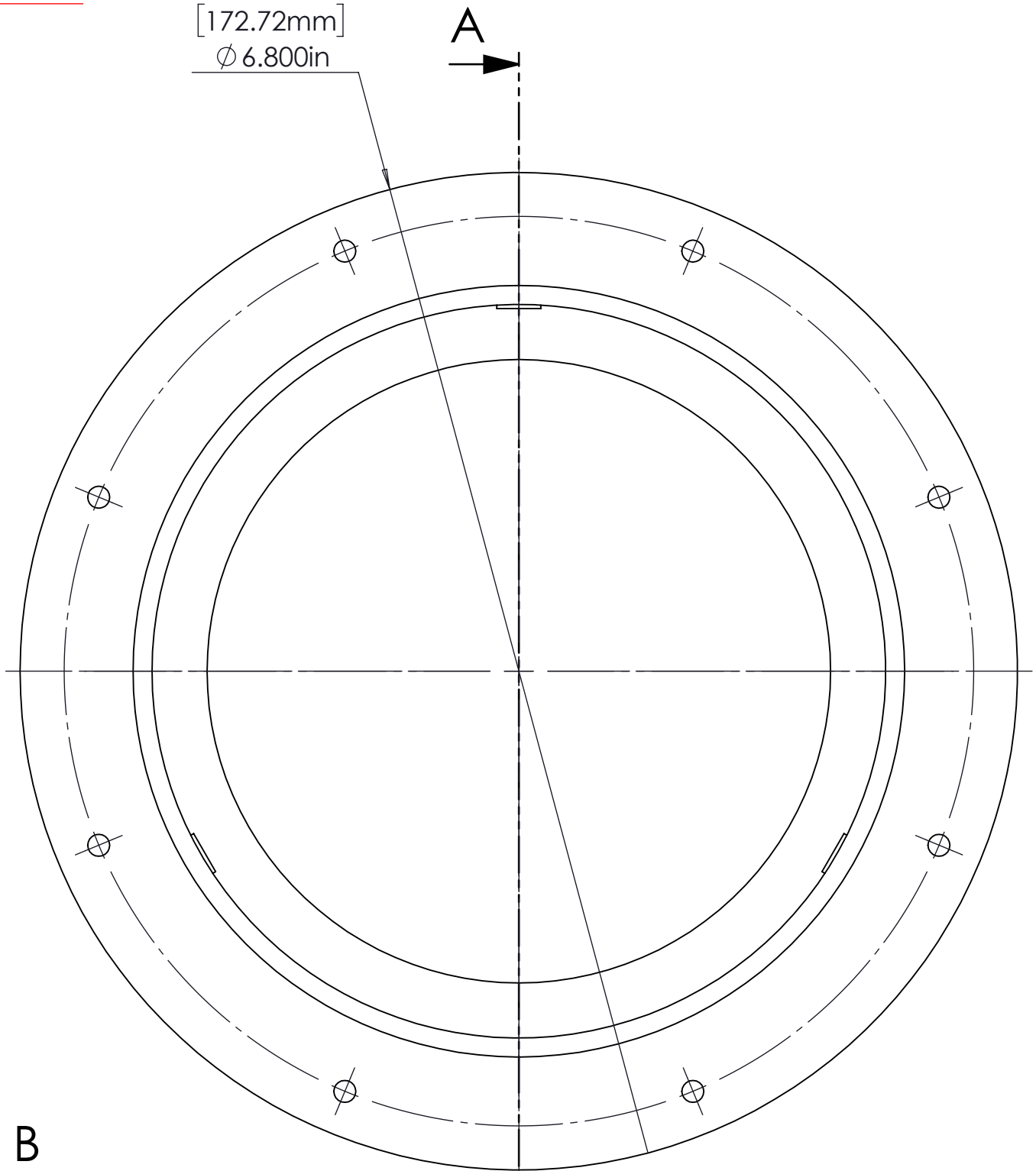
Rev C Changes for New Prescription (RED)



DETAIL A
SCALE 2 : 1



DETAIL B
SCALE 2 : 1



MAJOR DIMENSIONS

NOTE 1: SOLID MODEL LOCATION:
\\atlas\ProjectLibrary\902001_4K_ROVCameraDevelopment\EngineeringDesignDocuments\MechanicalDesign\4K_CameraChassis\100221414-04-A_ChassisAlignmentCone.SLDPRT

NOTE 2: MATERIAL 7075 T6 ALUMINUM.

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	3 PLACE DIM ±.005	ANGLE ±1°	DRAWN MRC	12/10/2020
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-.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		SIZE C	
APPLICATION		DO NOT SCALE DRAWING		WEIGHT		DWG. NO. 100221414-04-B-DWG	
						SCALE CAD FILE:	
						SHEET 1 OF 6	

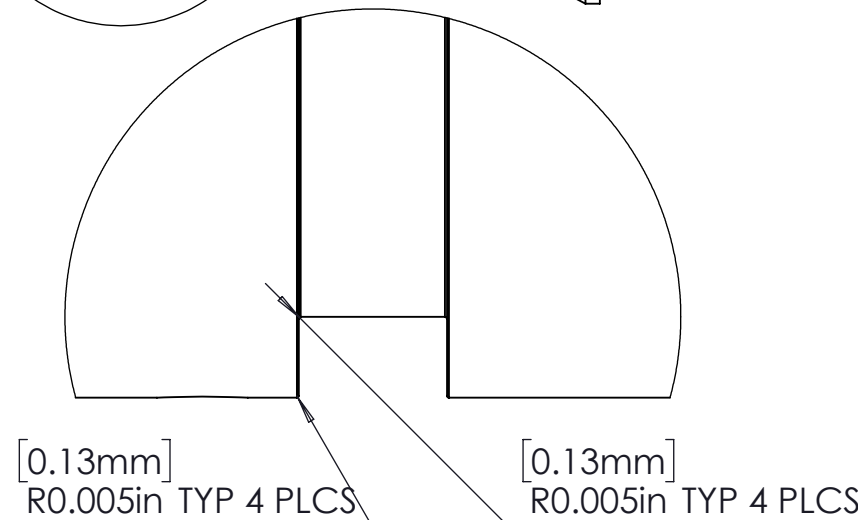
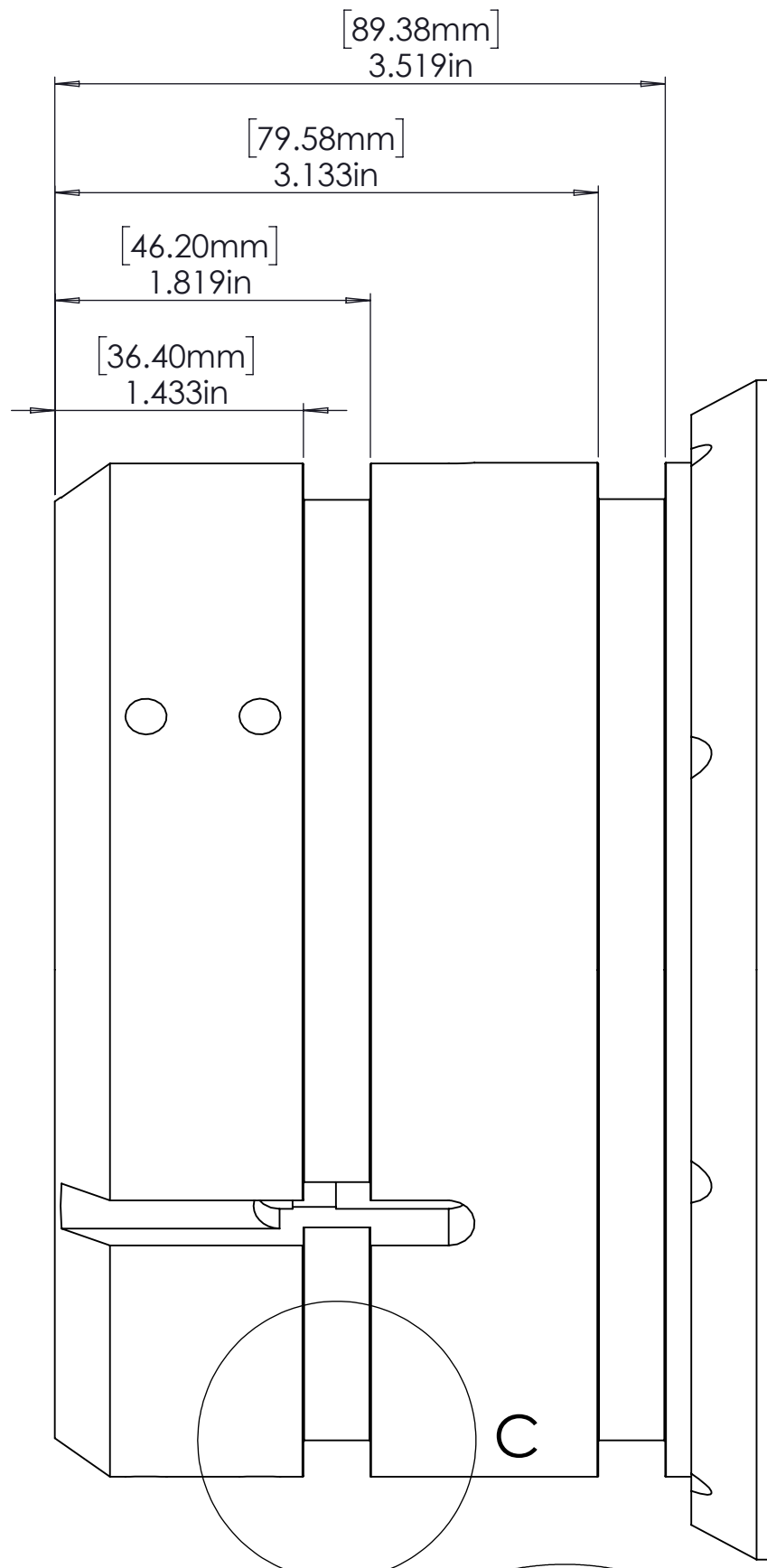
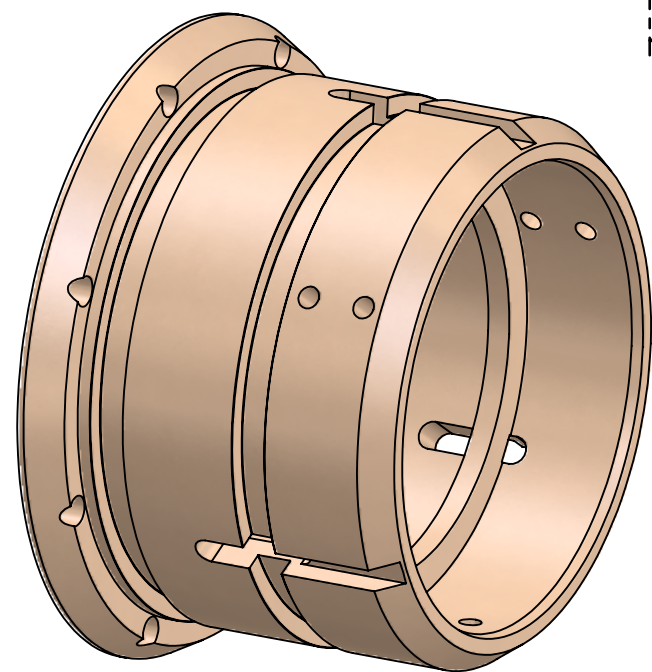
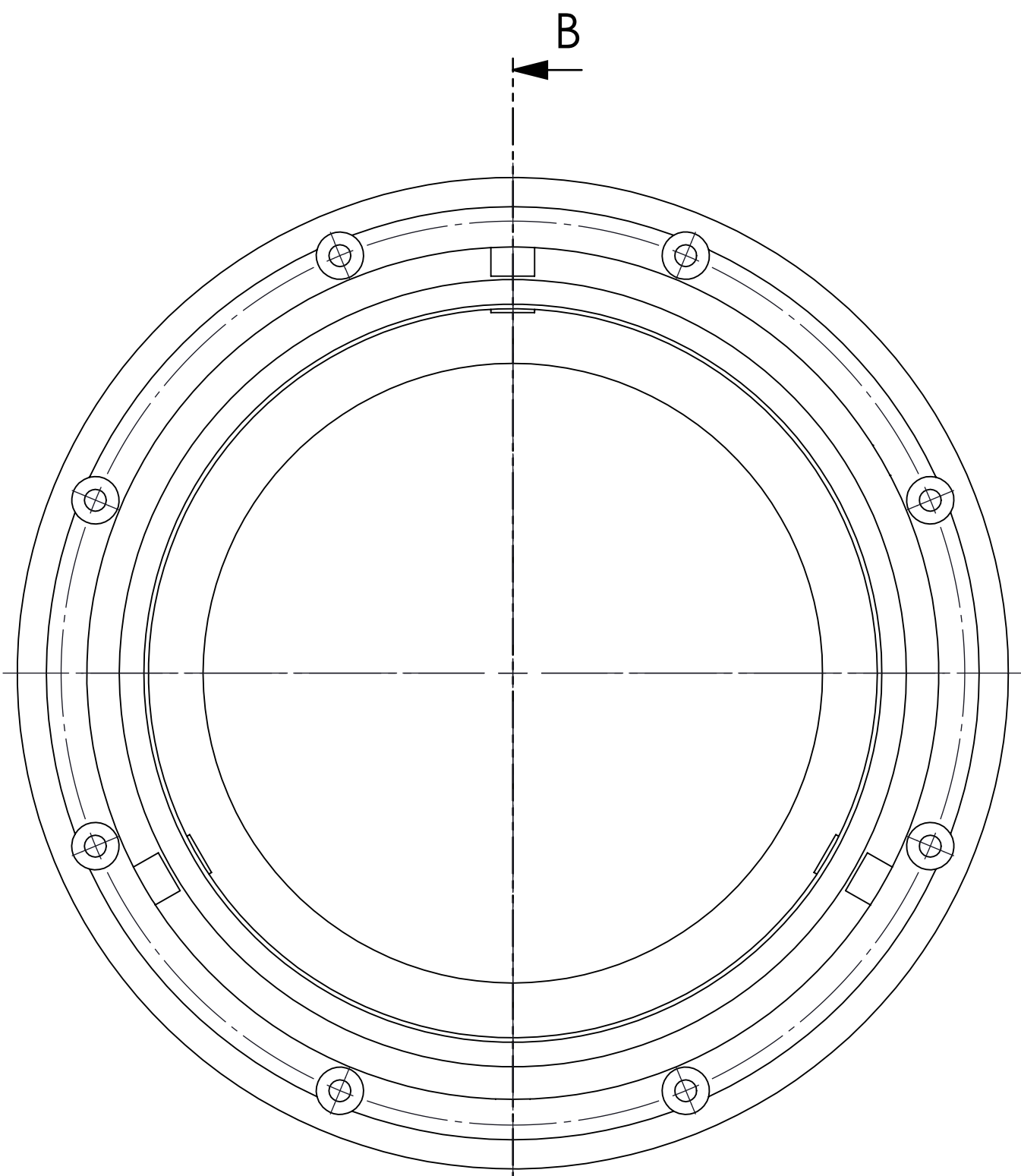


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7700 Sandholdt Rd.
Moss Landing, CA 95039
PH: (831) 775-1700

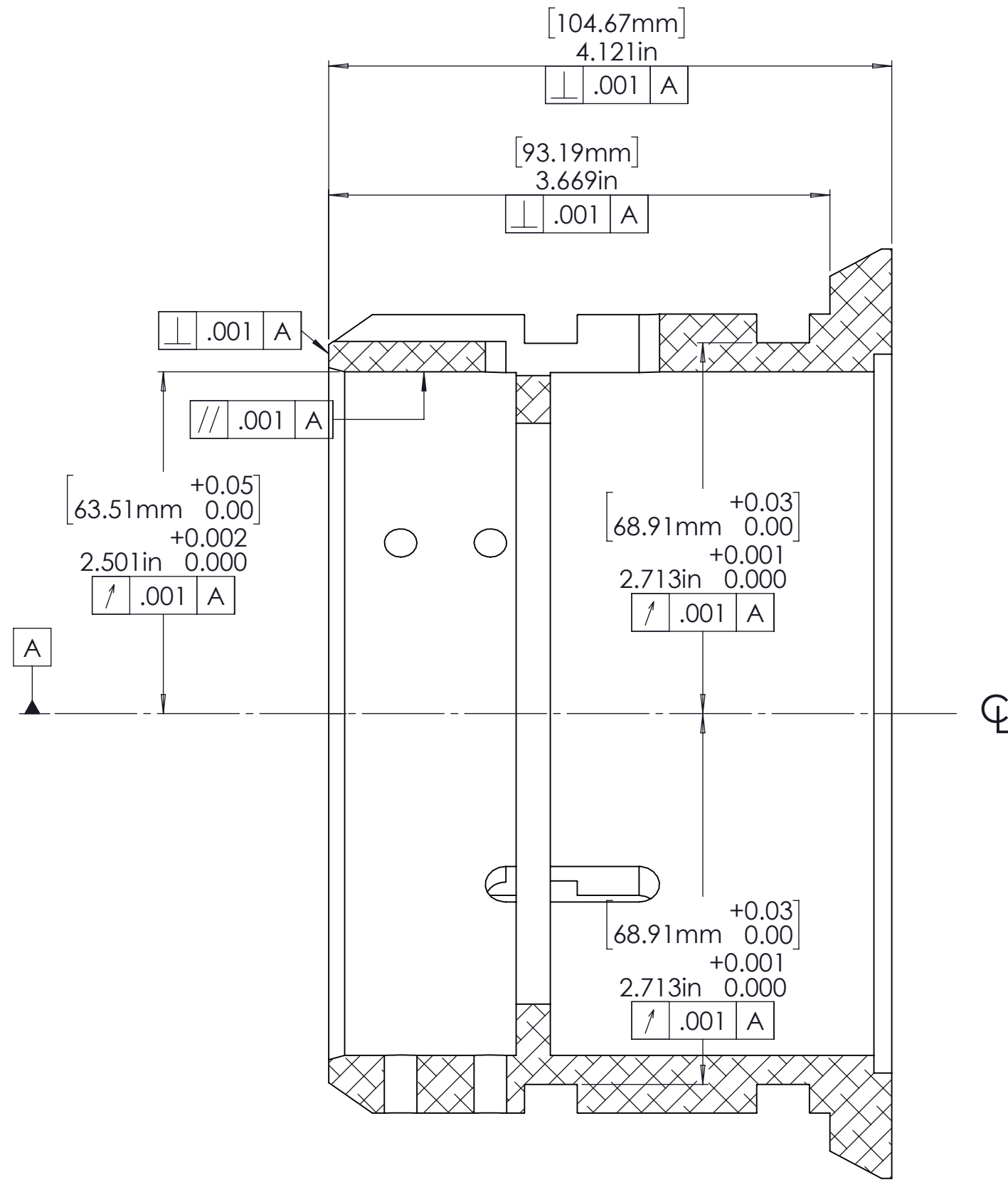
4K Camera Chassis Alignment Cone

REV. C

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DETAIL C
SCALE 2 : 1

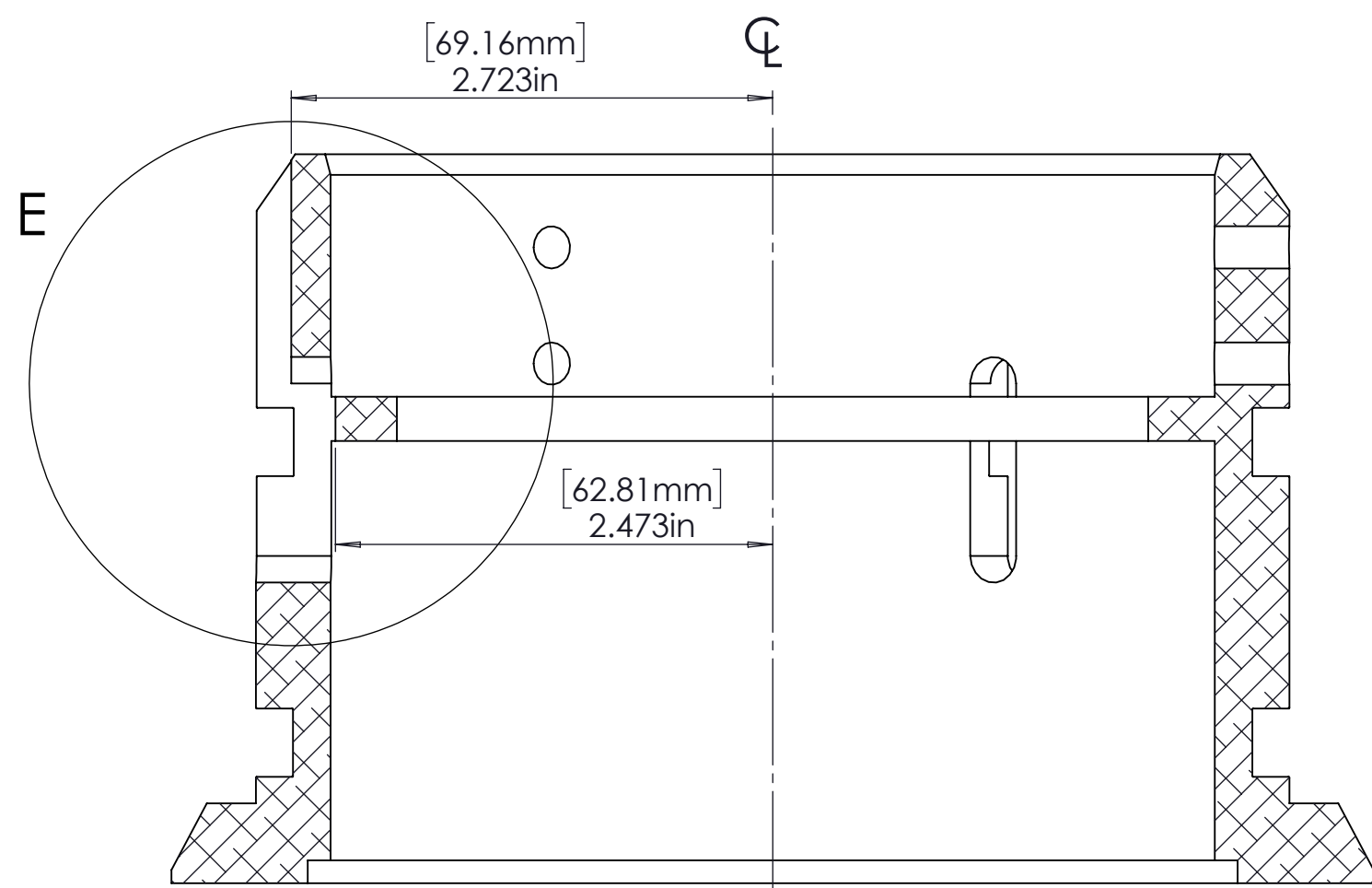
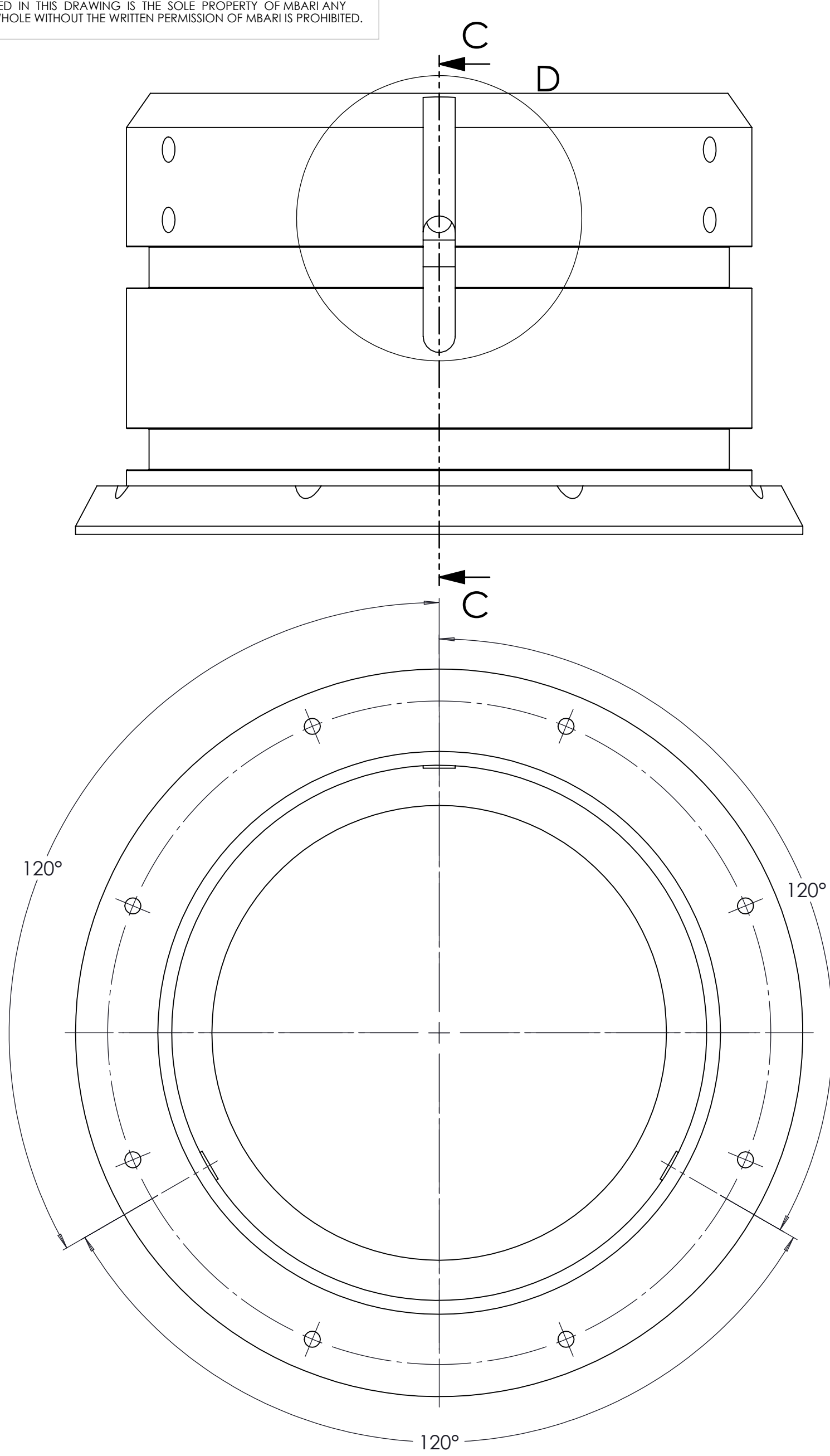


SECTION B-B
CRITICAL DIMENSIONS

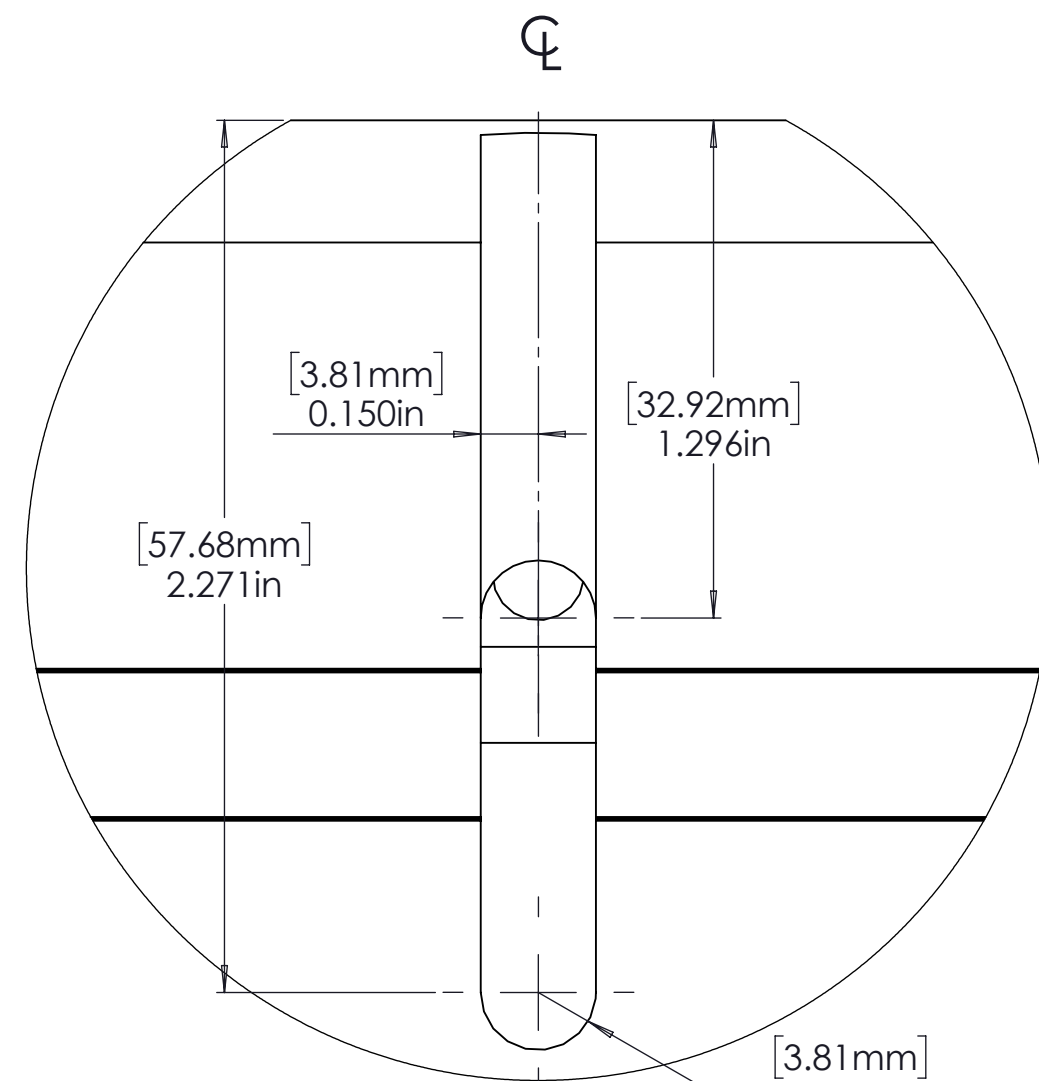
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Inspector		1 PLACE DIM ±.118	2 PLACE DIM ±.050	3 PLACE DIM ±.005	ANGLE ±1°	DRAWN MRC ENGINEER MARK R. CHAFFEY (831) 775-1708 chm@mbari.org					
Shop Foreman		1. DIMENSIONS ARE IN INCHES. 2. DIMENSION LIMITS HELD AFTER PLATING. 3. REMOVE BURRS AND SHARP EDGES .015 MAX. 4. MACHINED FILET 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.				PROJECT No. 902001	4KCamera Chassis Alignment Cone		SIZE C	DWG. NO. 100221414-04-B-DWG	
Engineer						PROJECT Name 4K ROV CAMERA			SCALE	CAD FILE:	
NEXT ASSY Description	NEXT ASSY Number	DO NOT SCALE DRAWING				WEIGHT			SHEET 2 OF 6		
APPLICATION											

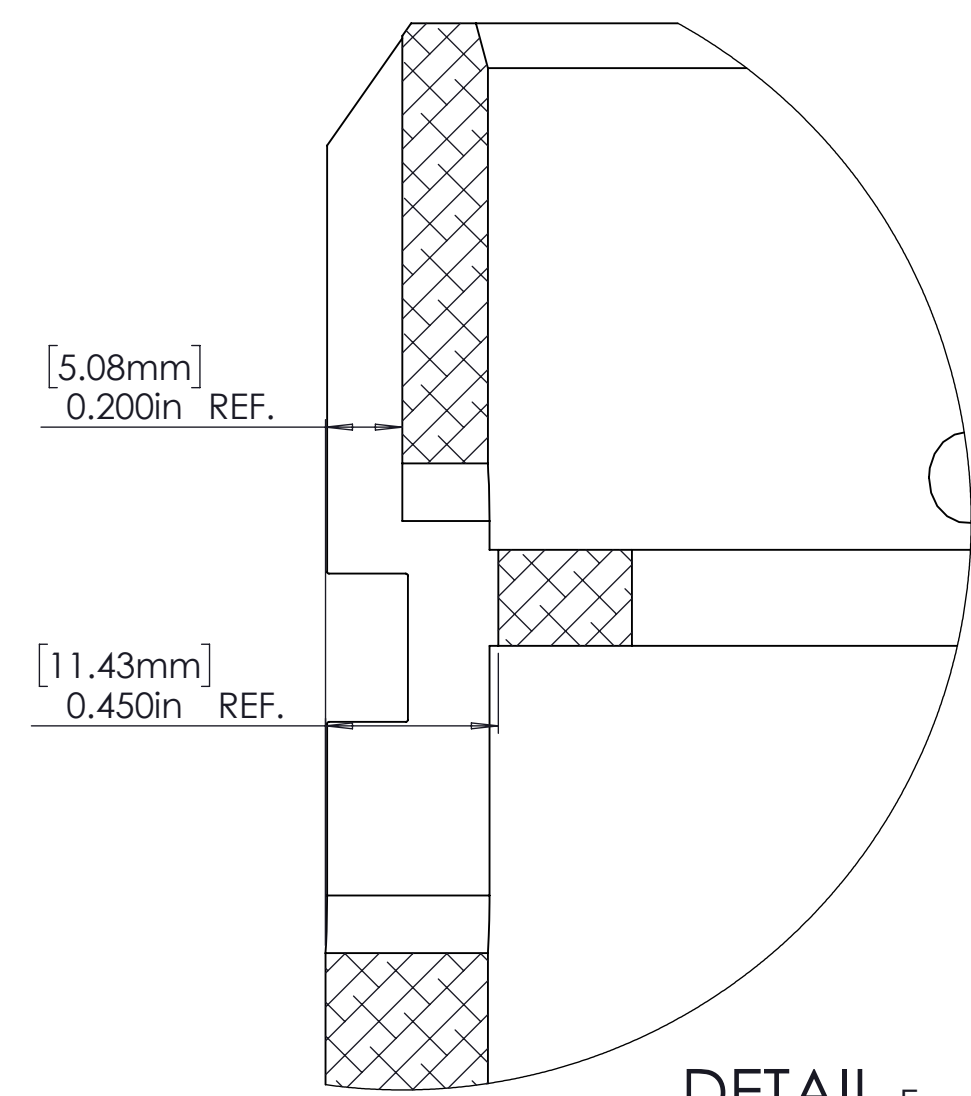
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SECTION C-C



DETAIL D
SCALE 2 : 1



DETAIL E
SCALE 2 : 1

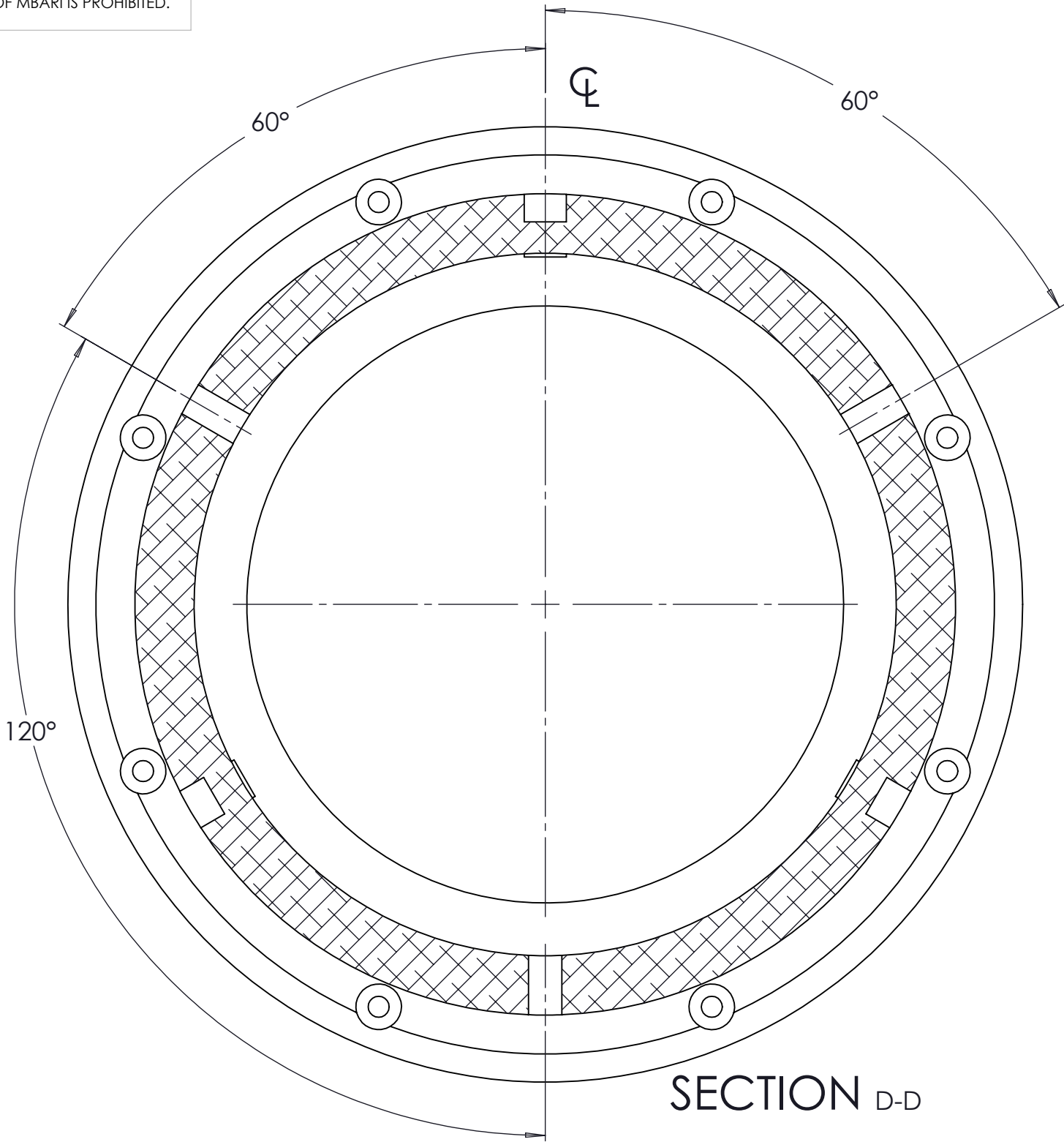
SLOT DIMENSIONS

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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		12/10/2020					
Shop Foreman						ENGINEER							
Engineer													
NEXT ASSY Description	NEXT ASSY Number					PROJECT No.		902001					
						PROJECT Name		4K ROV CAMERA					
APPLICATION		DO NOT SCALE DRAWING				WEIGHT							

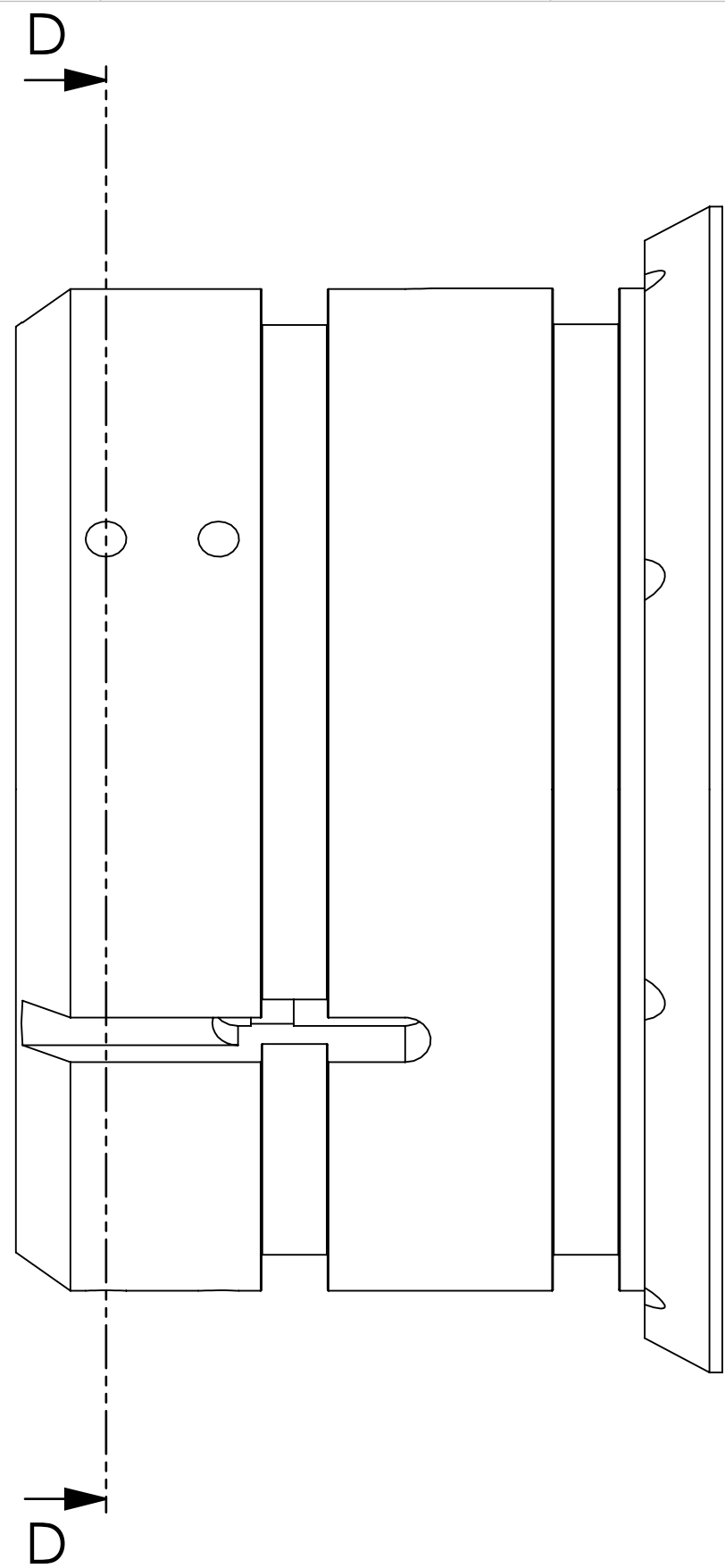
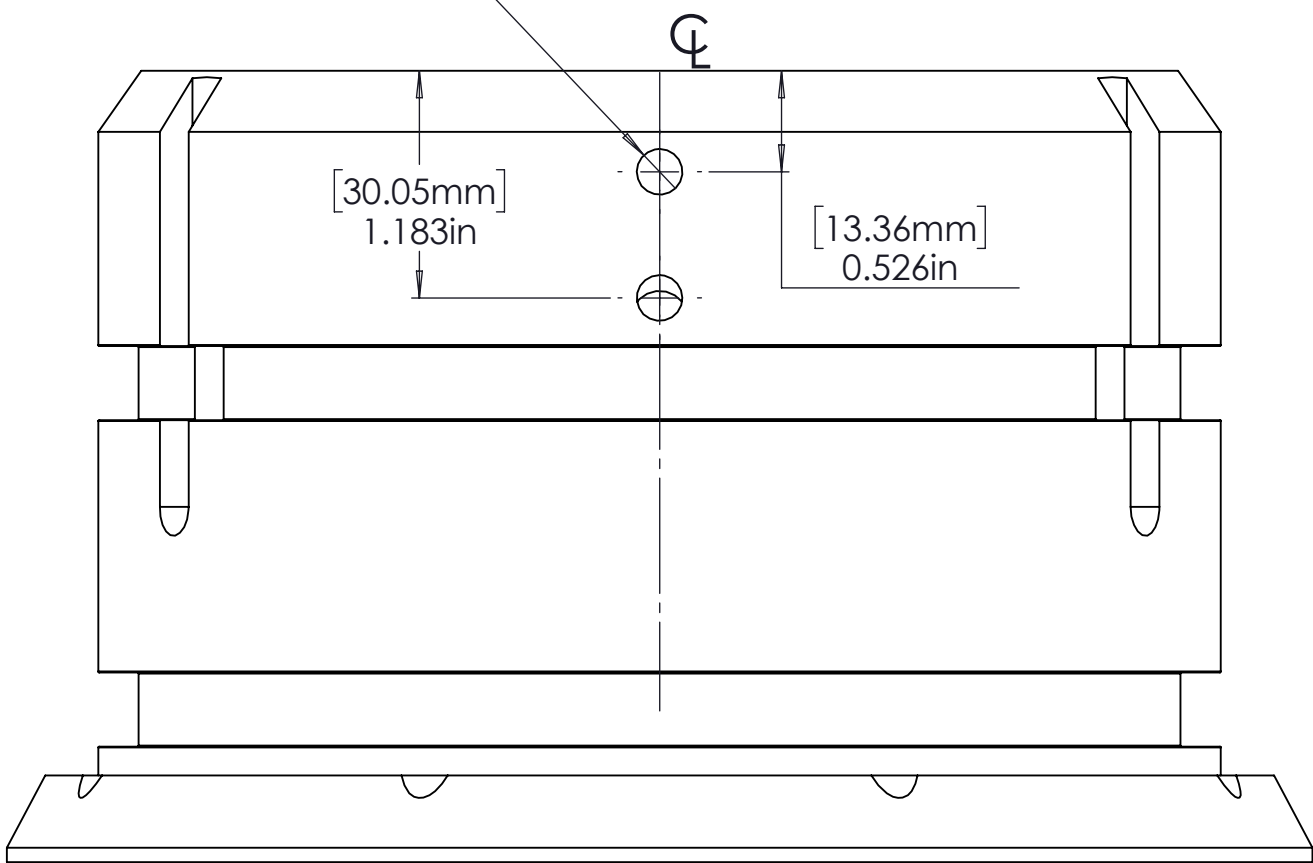
MBARI 7700 Sandholdt Rd. Moss Landing, CA 95039 PH: (831) 775-1700		4K Camera Chassis Alignment Cone	
DWG. NO. 100221414-04-B-DWG		REV. C	
SCALE		CAD FILE:	
SHEET 3 OF 6			

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SECTION D-D

[6.05mm]
Ø0.238in DRILL & TAP 1/4-80 CLASS 3A THREAD THRU ALL - 6 PLCS



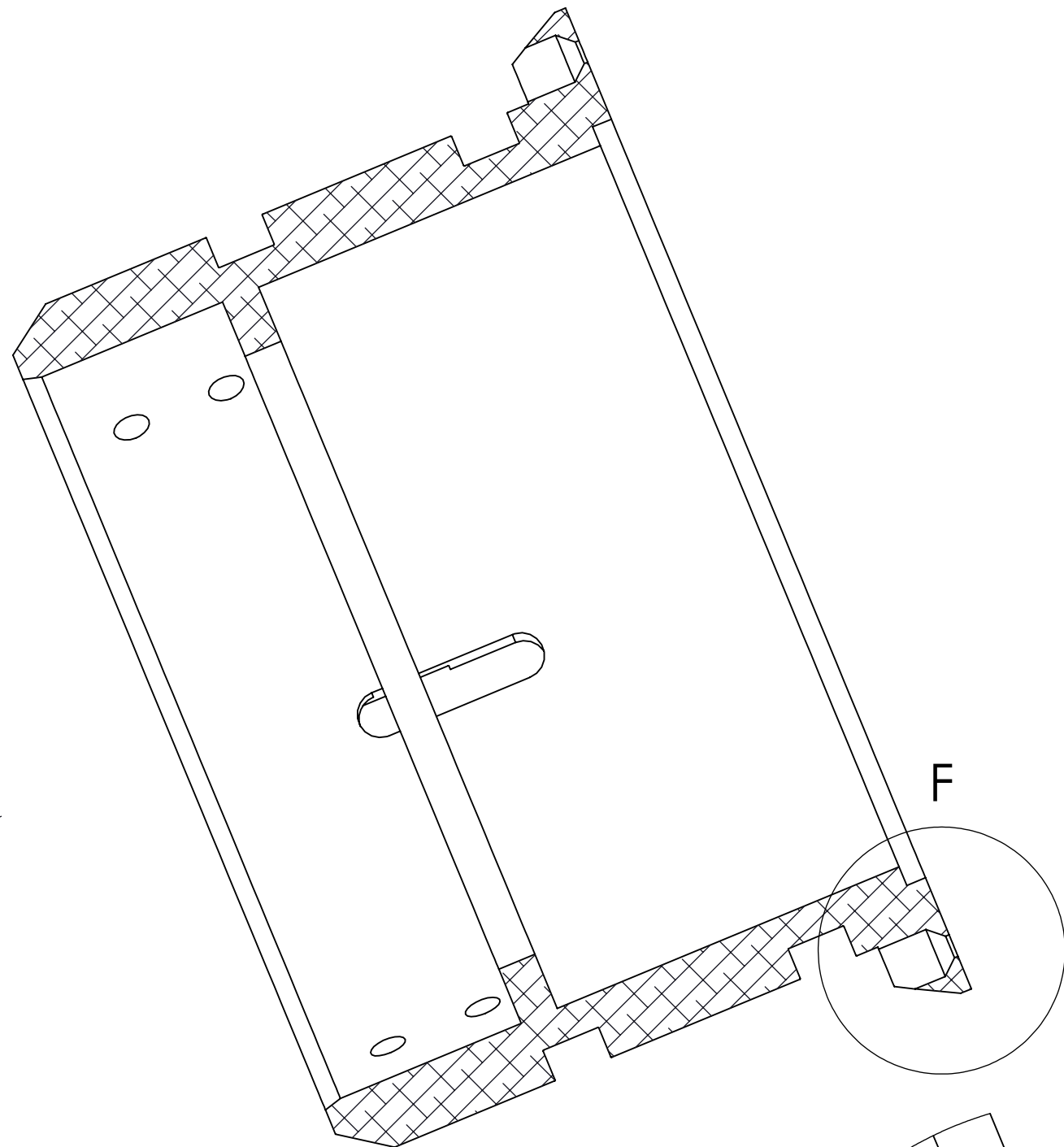
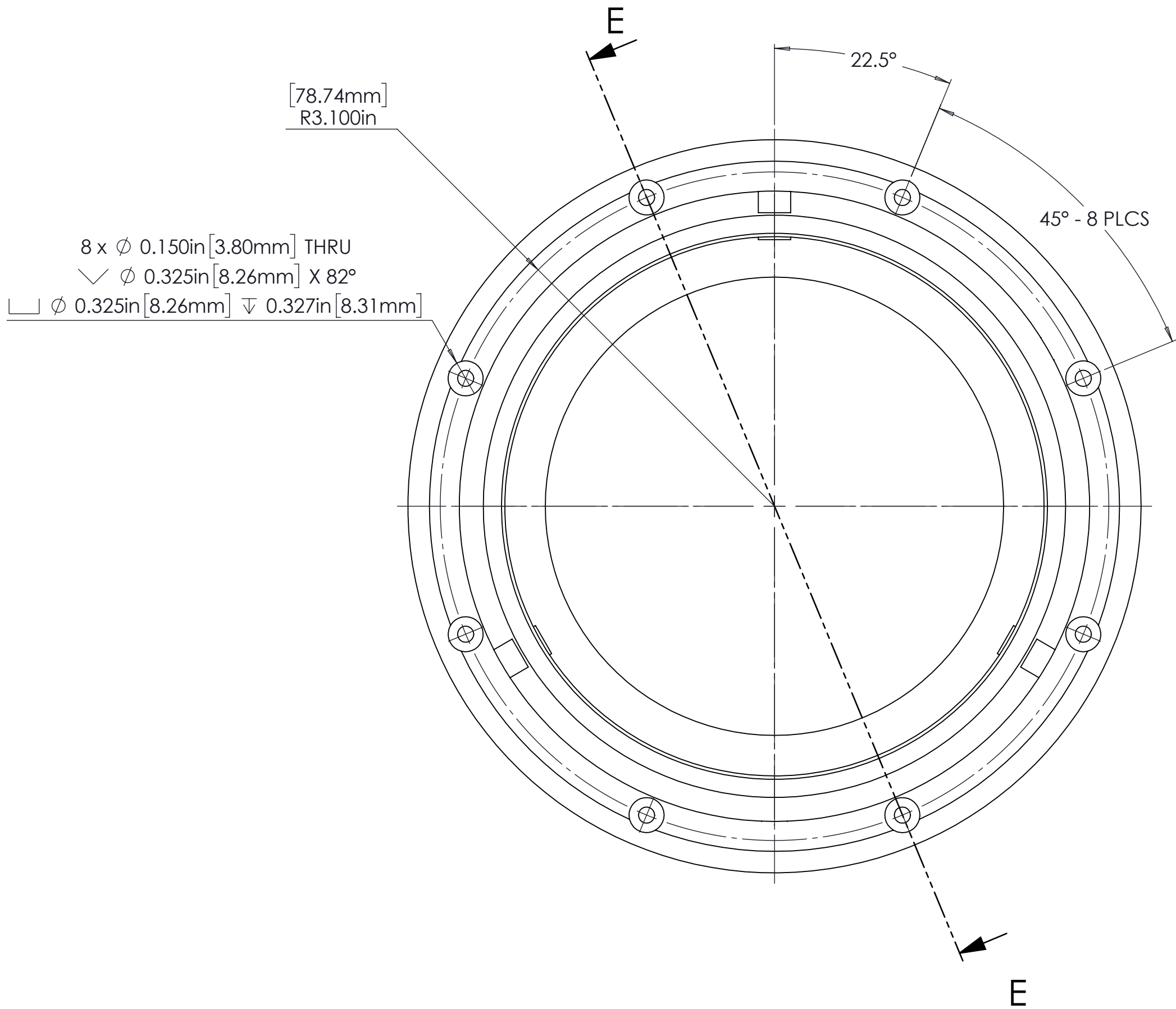
THREADED HOLE DIMENSIONS

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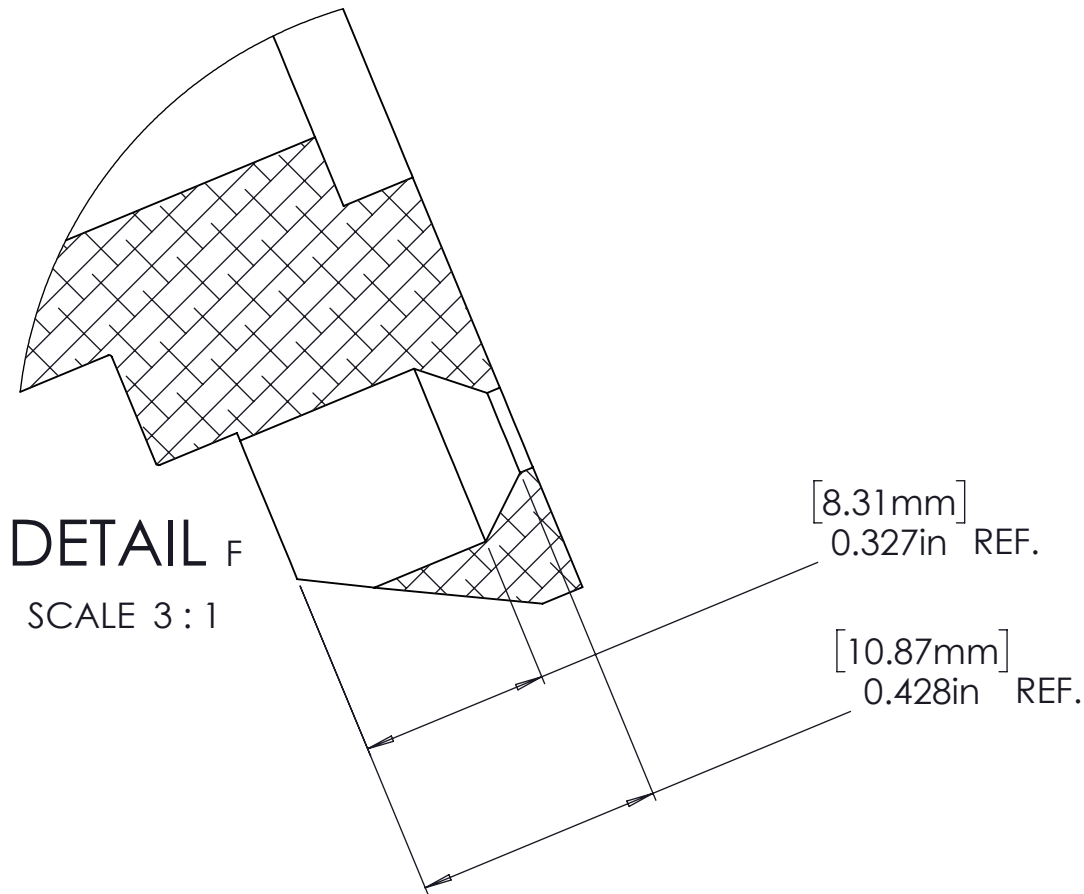
Shop / Q.C.		BILL OF MATERIALS UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE	
Inspector		1 PLACE DIM ±.118	2 PLACE DIM ±.050	3 PLACE DIM ±.005	ANGLE ±1°	DRAWN MRC	12/10/2020	MBARI 7700 Sandholdt Rd. Moss Landing, CA 95039 PH: (831) 775-1700	
Shop Foreman		1. DIMENSIONS ARE IN INCHES. 2. DIMENSION LIMITS HELD AFTER PLATING. 3. REMOVE BURRS AND SHARP EDGES .015 MAX. 4. MACHINED FILET 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 chm@mbari.org		
NEXT ASSY Description	NEXT ASSY Number					PROJECT No.	902001	4K Camera Chassis Alignment Cone	
						PROJECT Name	4K ROV CAMERA	SIZE C	DWG. NO. 100221414-04-B-DWG
APPLICATION		DO NOT SCALE DRAWING				WEIGHT		SCALE	CAD FILE:
								SHEET 4 OF 6	



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SECTION E-E
SCALE 1 : 1



DETAIL F
SCALE 3 : 1

MOUNTING CLEARANCE HOLE DIMENSIONS

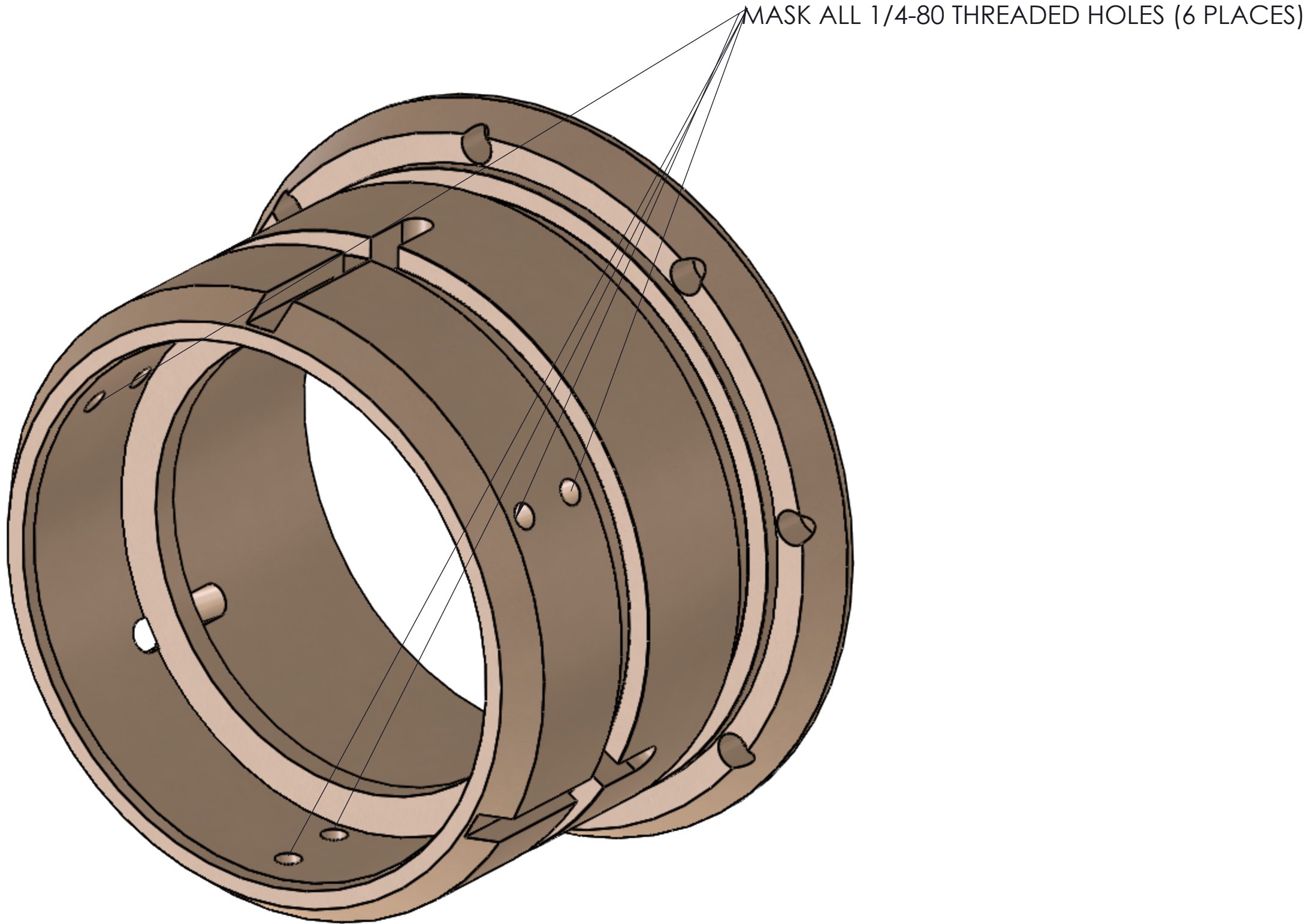
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Shop / Q.C.		BILL OF MATERIALS UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE					
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.001	3 PLACE DIM ±.000	ANGLE ±1°	DRAWN MRC		12/10/2020		MBARI 7700 Sandholdt Rd. Moss Landing, CA 95039 PH: (831) 775-1700			
Shop Foreman		1. DIMENSIONS ARE IN INCHES. 2. DIMENSION LIMITS HELD AFTER PLATING. 3. REMOVE BURRS AND SHARP EDGES .015 MAX. 4. MACHINED FILET 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						
							chrm@mbari.org						
NEXT ASSY Description	NEXT ASSY Number					PROJECT No.	902001			4K Camera Chassis Alignment Cone			
						PROJECT Name	4K ROV CAMERA			SIZE C	DWG. NO.	100221414-04-B-DWG	REV. C
APPLICATION		DO NOT SCALE DRAWING				WEIGHT				SCALE	CAD FILE:		SHEET 5 OF 6



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



ANODIZE HOLE MASKING CALLOUT

NOTE 2: 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 ±.118	2 PLACE DIM ±.000	3 PLACE DIM ±.000	ANGLE ±1°	DRAWN MRC		03/12/2021				
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												
NEXT ASSY Description	NEXT ASSY Number											
APPLICATION		DO NOT SCALE DRAWING		WEIGHT		PROJECT No.		902001	PROJECT Name		4K ROV CAMERA	SIZE C
						DWG. NO.		100221414-04-B-DWG	REV.		C	SCALE
						CAD FILE:			SHEET 6 OF 6			

