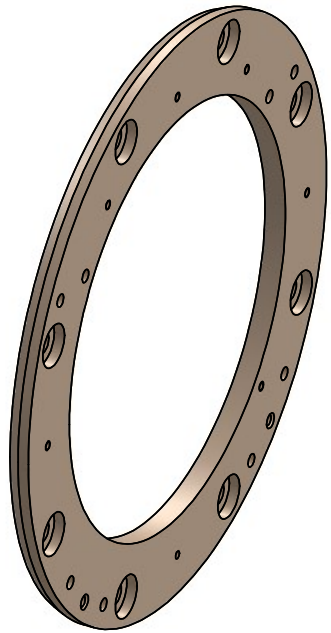
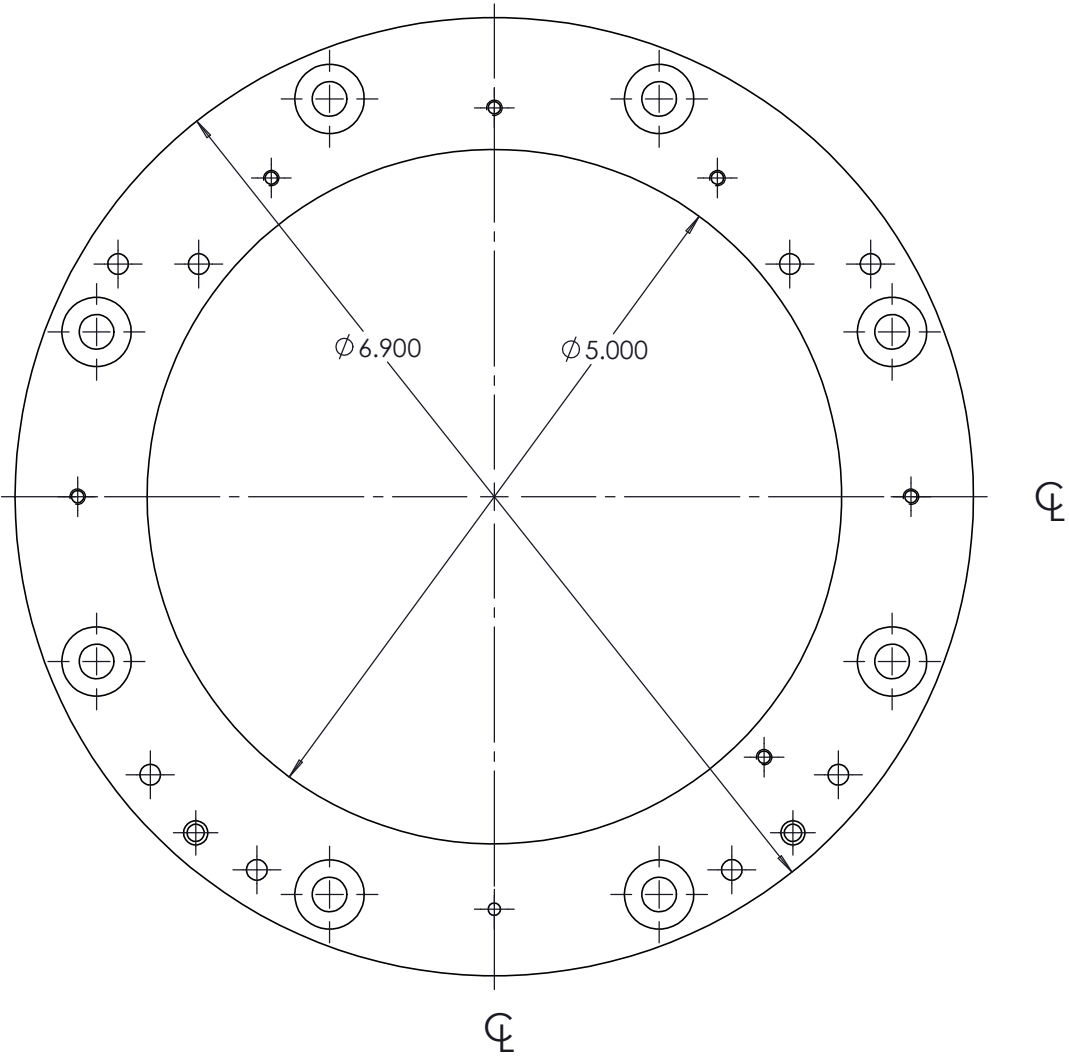
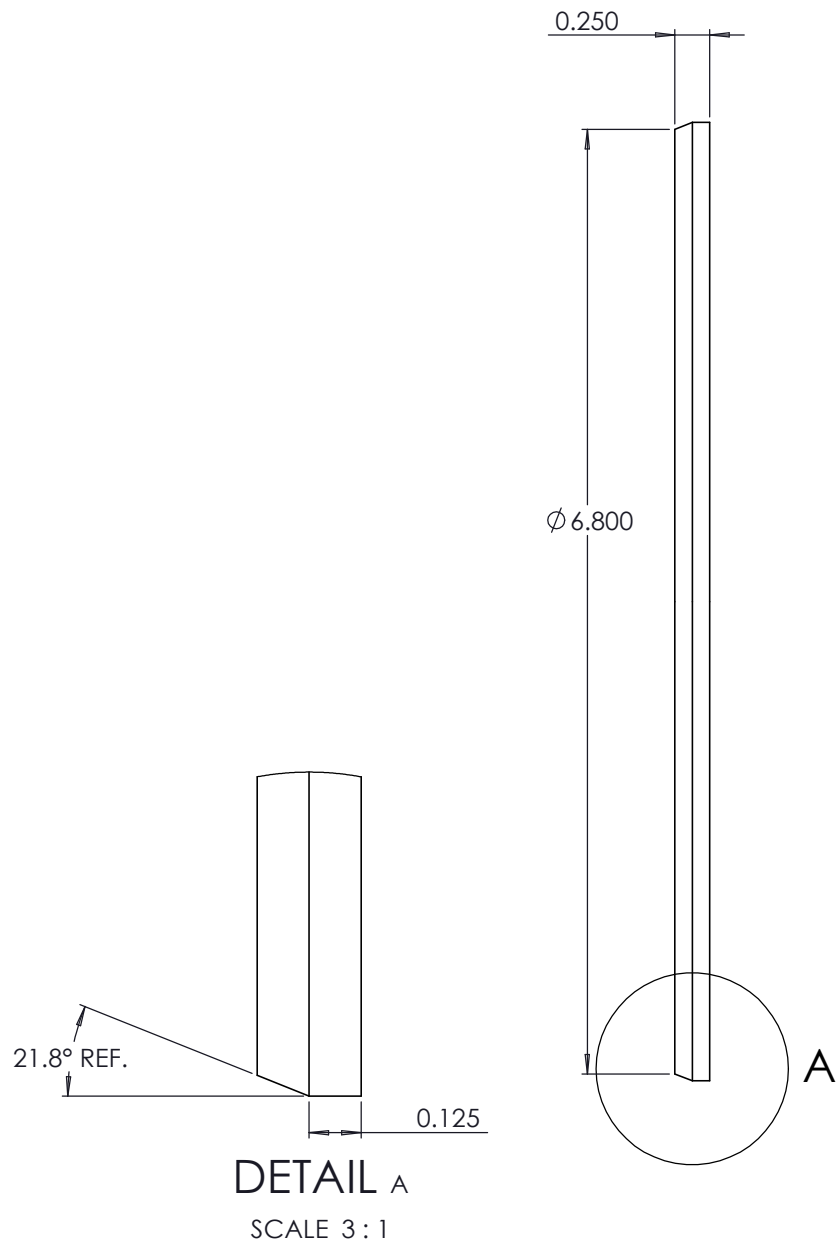


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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
B	XX	XX/XX/202X	
C	XX	XX/XX/202X	



OUTSIDE DIMENSIONS

NOTE 1. SOLID MODEL LOCATION:
\\atlas\ProjectLibrary\902001_4K_ROVCameraDevelopment\EngineeringDesignDocuments\MechanicalDesign\4K_CameraChassis\100221414-15-A_FrontChassisPlate.SLDPRT

NOTE 2: MATERIAL - 6061T6 ALUMINUM ALLOY.

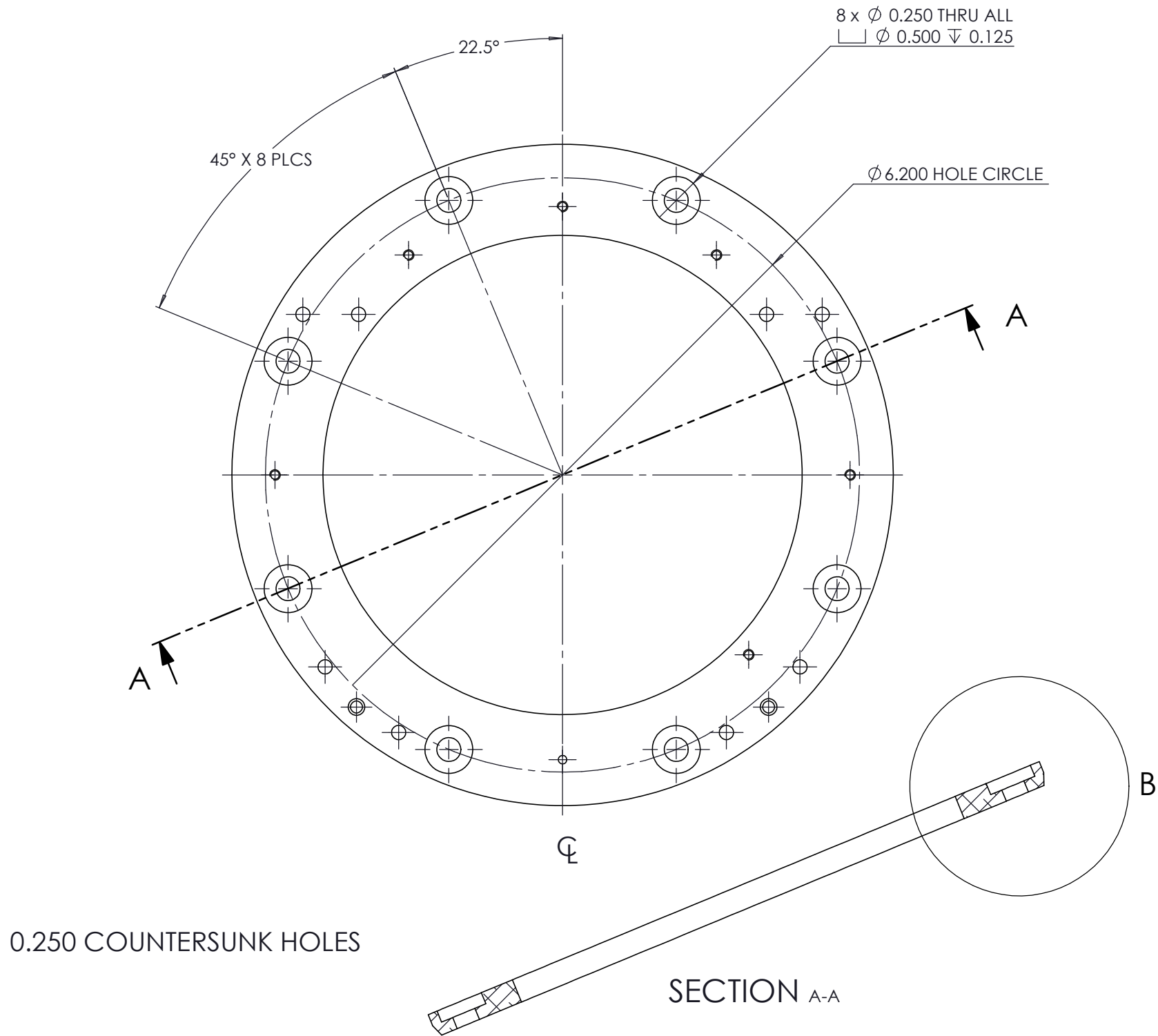
NOTE 3: ANODIZE PART TO 0.0008 AVERAGE COATING THICKNESS TO MIL-A-8625, Type II, Class 2, color: GOLD. NOTE MASKING CALL-OUTS (IF ANY).

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Shop / Q.C.		BILL OF MATERIALS UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE	
Inspector		1 PLACE DIM ±.016	2 PLACE DIM ±.005	3 PLACE DIM ±.003	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			
						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					
4K CAMERA FRONT CHASSIS PLATE		SIZE C		DWG. NO. 100221414-15-A-DWG		REV. A	
SCALE		CAD FILE:		SHEET 1		OF 4	

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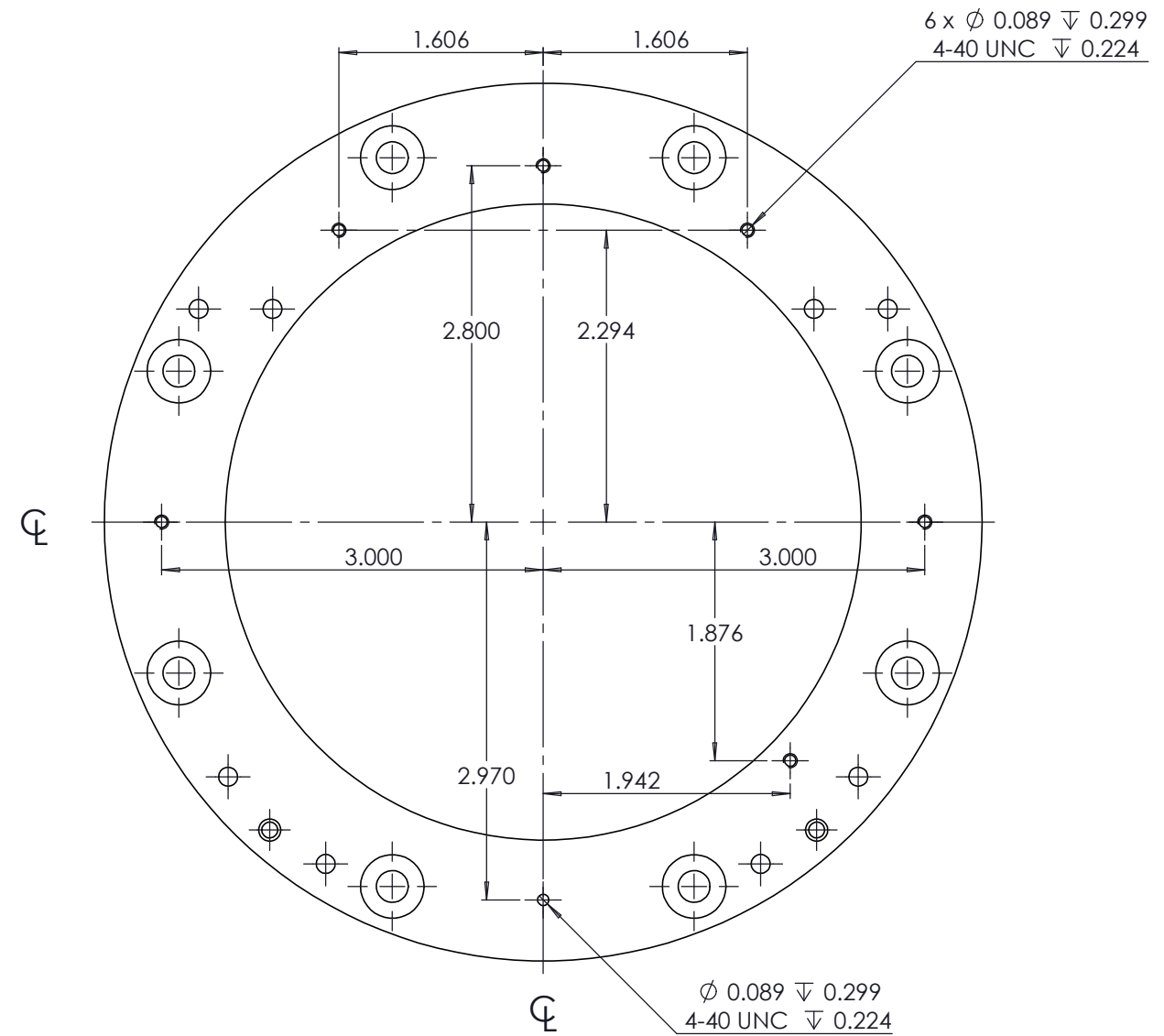
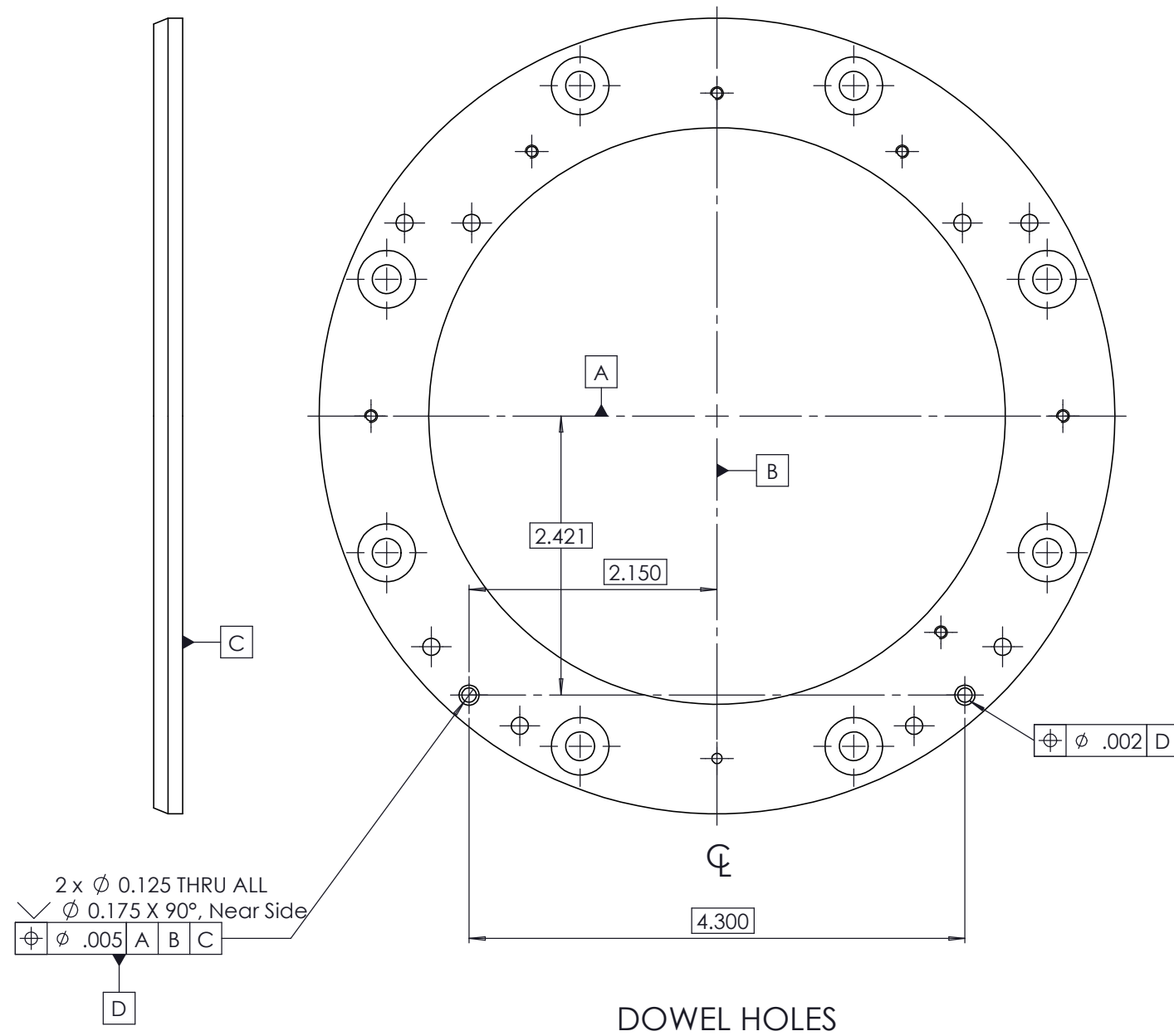


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Inspector		1 PLACE DIM ± 0.125	2 PLACE DIM ± 0.050	3 PLACE DIM ± 0.025	ANGLE ± 1°	DRAWN MRC		12/15/2020	
Shop Foreman		1. DIMENSIONS ARE IN INCHES. 2. DIMENSION LIMITS HELD AFTER PLATING. 3. REMOVE BURRS AND SHARP EDGES. 0.15 MAX. 4. MACHINED FILLET 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 mrcha@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.	100221414-15-A-DWG	REV. A
						SCALE	CAD FILE:	SHEET 2 OF 4	



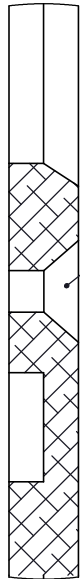
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Shop / Q.C.		BILL OF MATERIALS UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:		APPROVALS		DATE	
Inspector		1 PLACE DIA ±.016	2 PLACE DIA ±.020	3 PLACE DIA ±.005	ANGLE ±.1°	DRAWN MRC	12/15/2020
Shop Foreman		1. DIMENSIONS ARE IN INCHES. 2. DIMENSION LIMITS HELD AFTER PLATING. 3. REMOVE BURRS AND SHARP EDGES .015 MAX. 4. MACHINED FILED RADII .015-.030. 5. MACHINED DIMENSIONS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005 6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.				ENGINEER	MBARI 7700 Sandholdt Rd. Moss Landing, CA 95039 PH: (831) 775-1700
Engineer						MARK R. CHAFFEY (831) 775-1708 chrm@mbari.org	
NEXT ASSY Description	NEXT ASSY Number	PROJECT No.		4K CAMERA FRONT CHASSIS PLATE			
APPLICATION		DO NOT SCALE DRAWING		PROJECT Name		4K ROV CAMERA	
		WEIGHT		SIZE C		DWG. NO.	
				SCALE		CAD FILE:	
						100221414-15-A-DWG	
						REV. A	
						SHEET 3 OF 4	

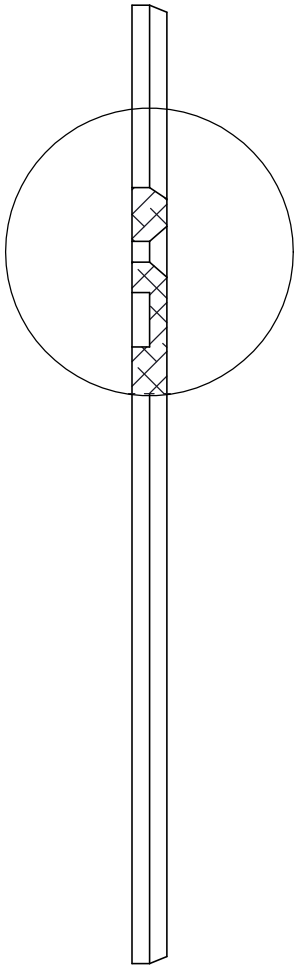
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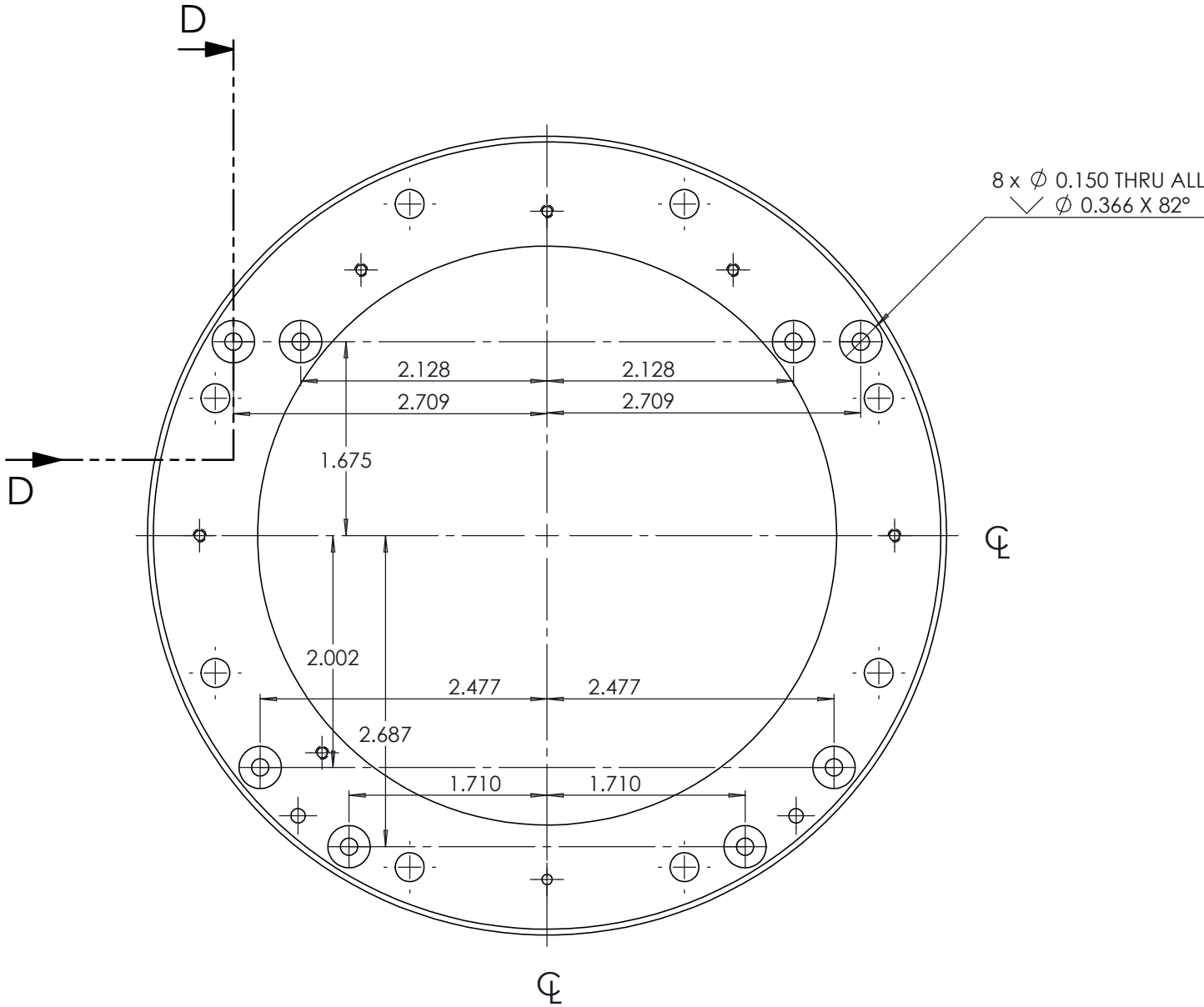


#6 FLATHEAD MACHINE SCREW HEAD
MUST FIT BELOW SURFACE

DETAIL E
SCALE 2 : 1



SECTION D-D
SCALE 1 : 1



#6 FLATHEAD MACHINE SCREW HOLE CALLOUT

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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 FRONT CHASSIS PLATE	
APPLICATION		DO NOT SCALE DRAWING				PROJECT Name	4K ROV CAMERA	SIZE C	REV. A
						SCALE	CAD FILE:	SHEET 4 OF 4	

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7700 Sandholdt Rd.
Moss Landing, CA 95039
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