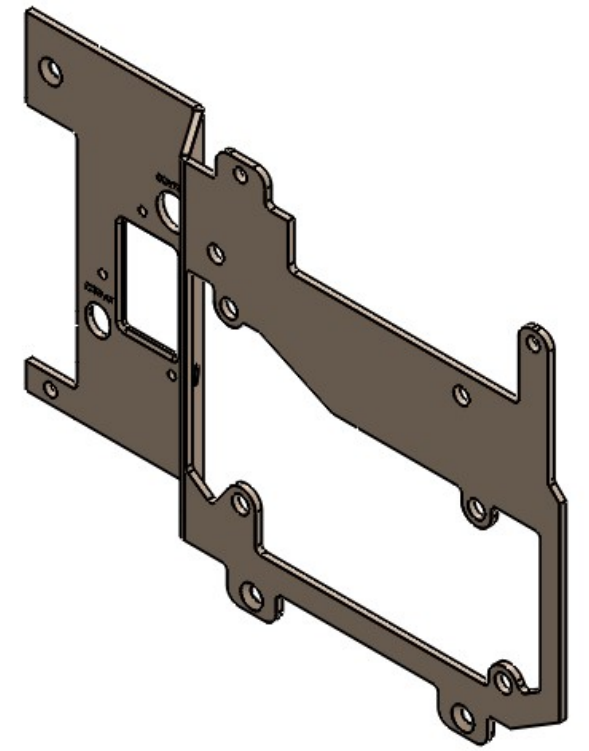
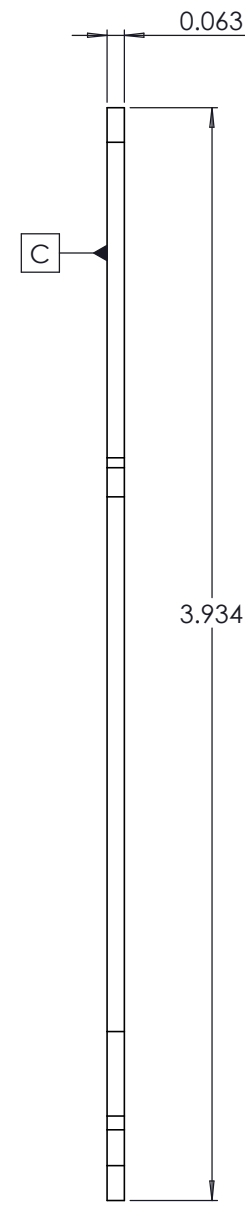




FLATTENED VIEW

NOTE 1. SOLID MODEL LOCATION:

\\atlas\ProjectLibrary\902001_4K_ROV_CameraDevelopment\EngineeringDesignDocuments\MechanicalDesign\4K_CameraChassis\100221414-20-A_LensServoPanel.SLDPRT

NOTE 2. MATERIAL: 3003-H14 ALUMINUM ALLOY OR EQUIVALENT.

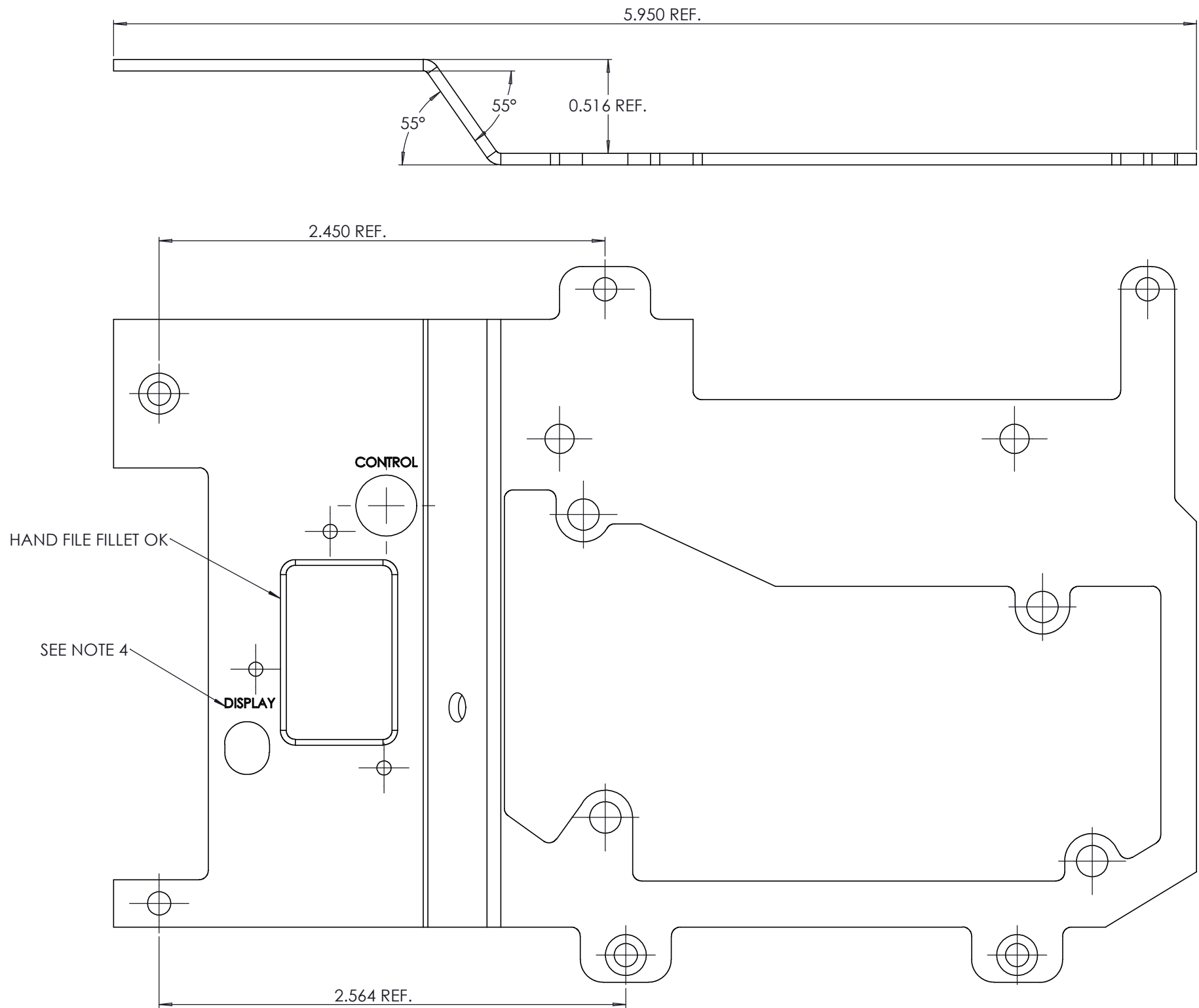
NOTE 3: ANODIZE PART TO 0.0008 AVERAGE COATING THICKNESS TO MIL-A-8625, Type II, Class 2, color: GOLD. NOTE MASKING CALL-OUTS (IF ANY).

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Shop / Q.C.		BILL OF MATERIALS UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE		 MBARI Monterey Bay Aquarium Research Institute				
Inspector		1 PLACE DIM #1/16	2 PLACE DIM #000	3 PLACE DIM #005	ANGLE #1°	DRAWN MRC	01/13/2021		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 FILLET RADI 20:200. 5. MACHINED DIAMETERS ON A COMMON CENTRINE CONCENTRIC WITHIN .003 6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX. .012 INCHES FOR SINGLE SURFACE.				ENGINEER		MARK R. CHAFFEY (831) 775-1708 mrcha@mbari.org						
Engineer						PROJECT No.						902001		4K CAMERA LENS SERVO PANEL
NEXT ASSY Description	NEXT ASSY Number					PROJECT Name		4K ROV CAMERA		SIZE C	DWG. NO.	100221414-20-A-DWG		REV. A
APPLICATION	DO NOT SCALE DRAWING					WEIGHT		SCALE		CAD FILE:		SHEET 1 OF 3		



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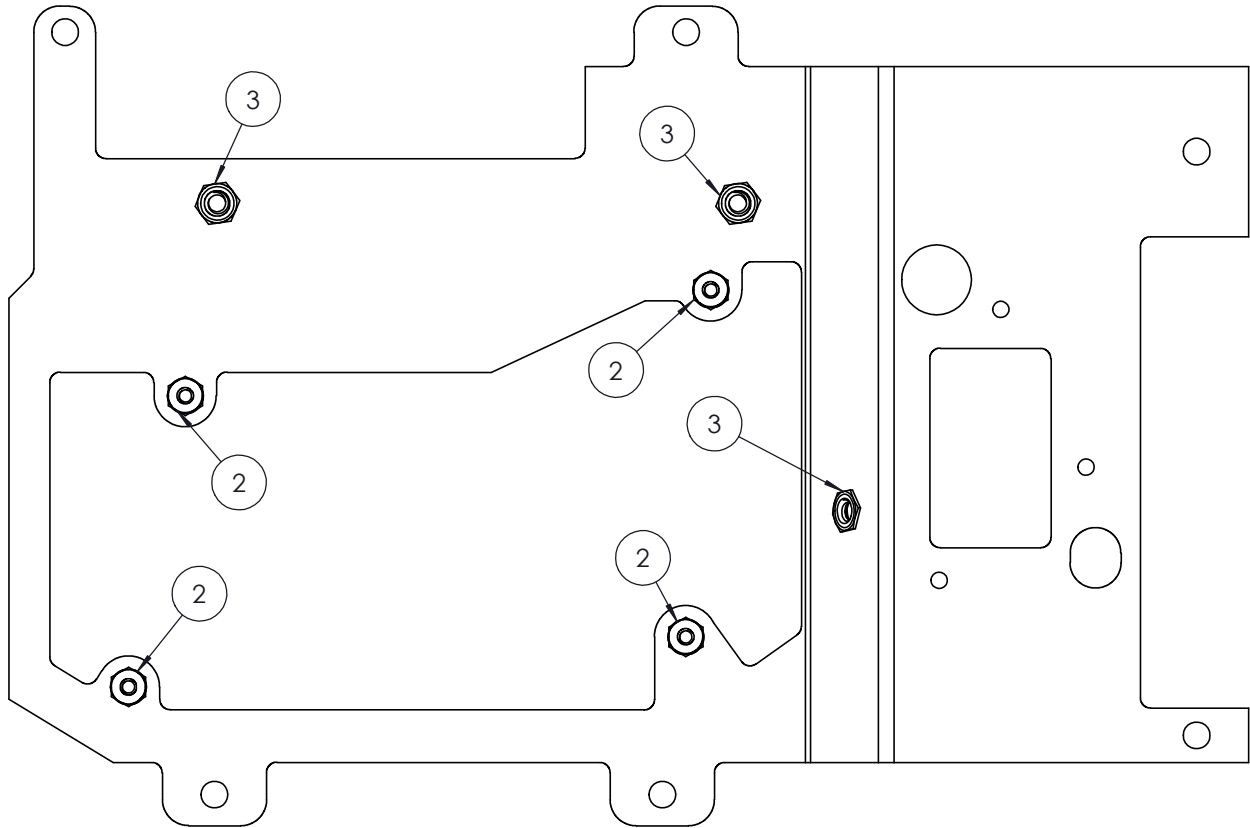
NOTE 4: LETTERING MAY BE 0.005 BALL END MILLED OR LASER ETCHED AND IS OPTIONAL DEPENDING ON FABRICATION METHOD.

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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 ±°	DRAWN MRC		01/13/2021	
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						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.	100221414-20-A-DWG	REV. A
						SCALE	CAD FILE:	SHEET 2 OF 3	

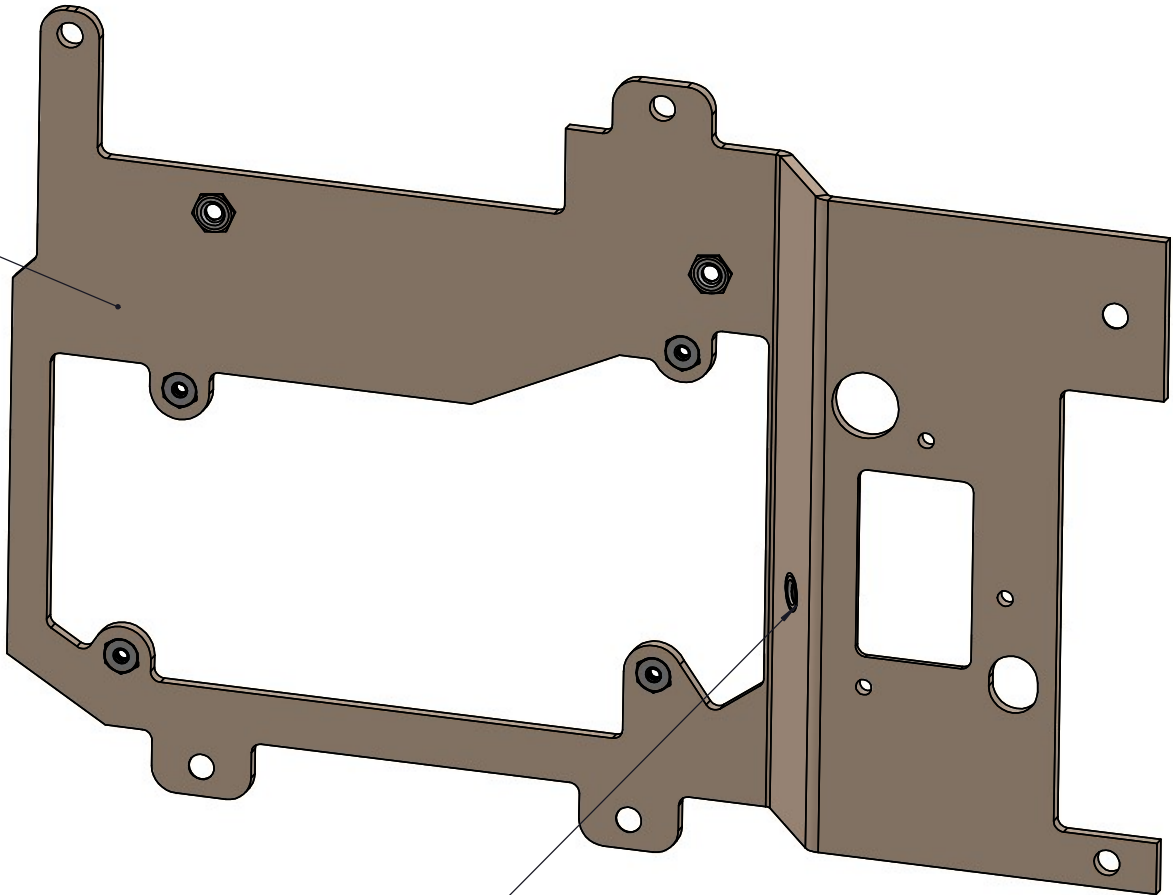


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PEM NUT INSTALLATION

INSTALL PEM NUTS FROM THIS DIRECTION



INSTALL PEM NUT FROM THIS DIRECTION

ITEM NO.	PART NUMBER		DESCRIPTION	QTY.
1	100221414-20-A_LensServoPanel		MBARI sheet metal lens servo panel	1
2	94674A611		M2 x 0.4mm_PEM_FlushNut	4
3	94674A490		#4-40_PEM_FlushNut	3

Shop / Q.C.		BILL OF MATERIALS UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE
Inspector		1 PLACE DIM ±.174	2 PLACE DIM ±.000	3 PLACE DIM ±.005	ANGLE ±.1°	DRAWN MRC		01/13/2021
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						MARK R. CHAFFEY		
						(831) 775-1708 mrc@mbari.org		
NEXT ASSY Description	NEXT ASSY Number					PROJECT No.	902001	
						PROJECT Name	4K ROV CAMERA	
APPLICATION		DO NOT SCALE DRAWING				WEIGHT		

MBARI		Monterey Bay Aquarium Research Institute	
7700 Sandholdt Rd. Moss Landing, CA 95039 PH: (831) 775-1700		4K CAMERA LENS SERVO PANEL	
SIZE C	DWG. NO. 100221414-20-A-DWG	REV. A	
SCALE	CAD FILE:	SHEET 3 OF 3	

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