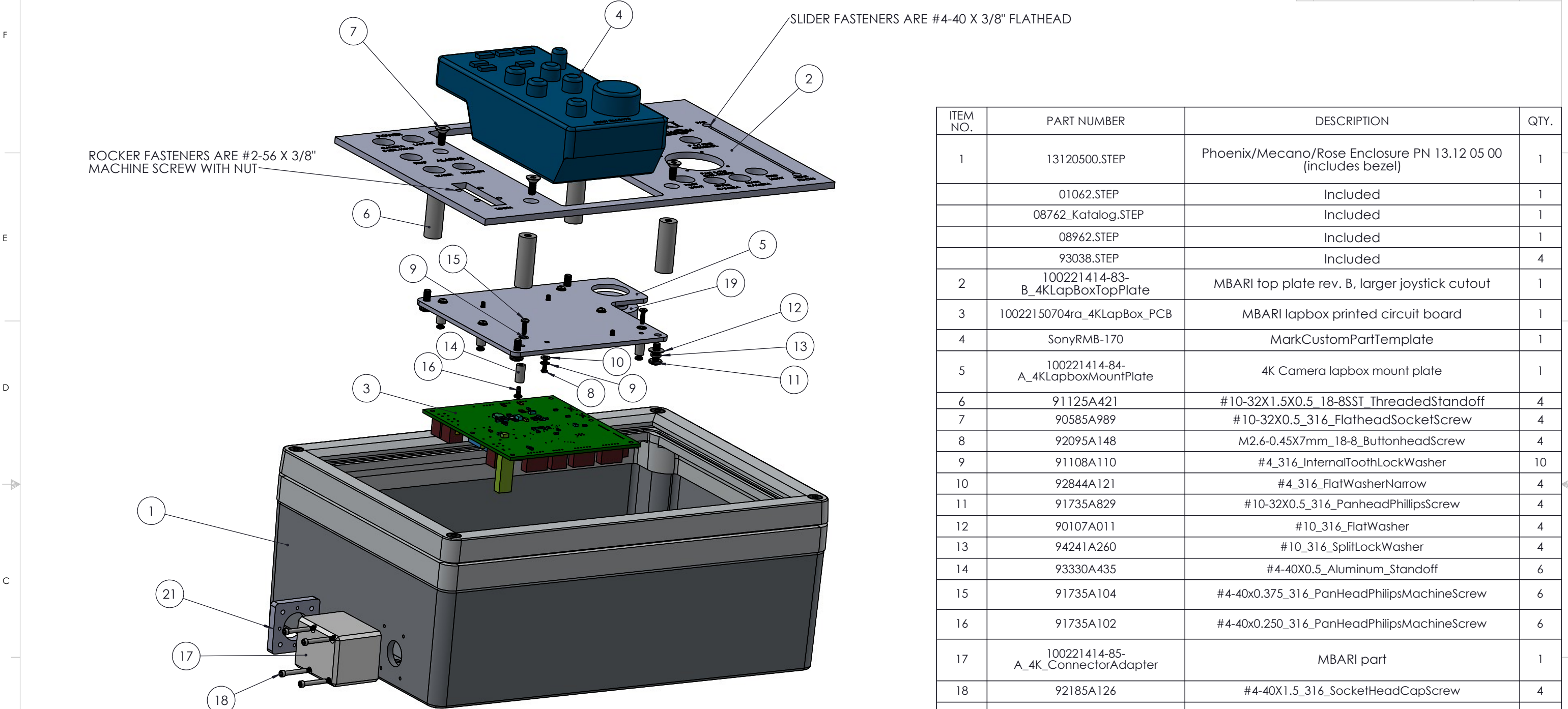


THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF MBARI. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF MBARI IS PROHIBITED.

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



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	13120500.STEP	Phoenix/Mecano/Rose Enclosure PN 13.12 05 00 (includes bezel)	1
	01062.STEP	Included	1
	08762_Katalog.STEP	Included	1
	08962.STEP	Included	1
	93038.STEP	Included	4
2	100221414-83-B_4KLapBoxTopPlate	MBARI top plate rev. B, larger joystick cutout	1
3	10022150704ra_4KLapBox_PCB	MBARI lapbox printed circuit board	1
4	SonyRMB-170	MarkCustomPartTemplate	1
5	100221414-84-A_4KLapboxMountPlate	4K Camera lapbox mount plate	1
6	91125A421	#10-32X1.5X0.5_18-8SST_ThreadedStandoff	4
7	90585A989	#10-32X0.5_316_FlatheadSocketScrew	4
8	92095A148	M2.6-0.45X7mm_18-8_ButtonheadScrew	4
9	91108A110	#4_316_InternalToothLockWasher	10
10	92844A121	#4_316_FlatWasherNarrow	4
11	91735A829	#10-32X0.5_316_PanheadPhillipsScrew	4
12	90107A011	#10_316_FlatWasher	4
13	94241A260	#10_316_SplitLockWasher	4
14	93330A435	#4-40X0.5_Aluminum_Standoff	6
15	91735A104	#4-40x0.375_316_PanHeadPhilipsMachineScrew	6
16	91735A102	#4-40x0.250_316_PanHeadPhilipsMachineScrew	6
17	100221414-85-A_4K_ConnectorAdapter	MBARI part	1
18	92185A126	#4-40X1.5_316_SocketHeadCapScrew	4
19	AI-4230-S-C24-R_PiezoAlarm		1
20	Assem5^100221414-82-A_4KCameraLapBox		1
21	100221414-99-A_4K_ConnectorAdapterPlate	Adapter plate from old lapbox connector pattern to 4K connector pattern	1

NOTE 1. SOLID MODEL LOCATION:
\\atlas\ProjectLibrary\902001_4K_ROVCameraDevelopment\EngineeringDesignDocuments\MechanicalDesign\4K_CameraLapBox\100221414-82-A_4KCameraLapBox.SLDASM

NOTE 2: SEE ELECTRICAL DRAWING 100221507-02-A 4K CAMERA LAPBOX WIRING FOR ALL ELECTRICAL COMPONENTS.

(c) MBARI 2021 MBARI provides the documentation and materials "as is", with no warranty, express or implied, as to title, non-infringement of third party rights, merchantability, or fitness for any particular purpose, or the performance or results which you may obtain from their use. You assume the entire risk associated with use.

Shop / Q.C.

Inspector

Shop Foreman

Engineer

NEXT ASSY Description

NEXT ASSY Number

APPLICATION

BILL OF MATERIALS

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:

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.

DO NOT SCALE DRAWING

APPROVALS

DATE

DRAWN MRC

03/23/2021

ENGINEER

MARK R. CHAFFEY

(831) 775-1708

cmrma@mbari.org

PROJECT No.

902001

PROJECT Name

4K ROV CAMERA

WEIGHT

MBARI

7700 Sandholdt Rd.

Moss Landing, CA 95039

PH: (831) 775-1700

4K CAMERA LAP BOX ASSEMBLY

DWG. NO.

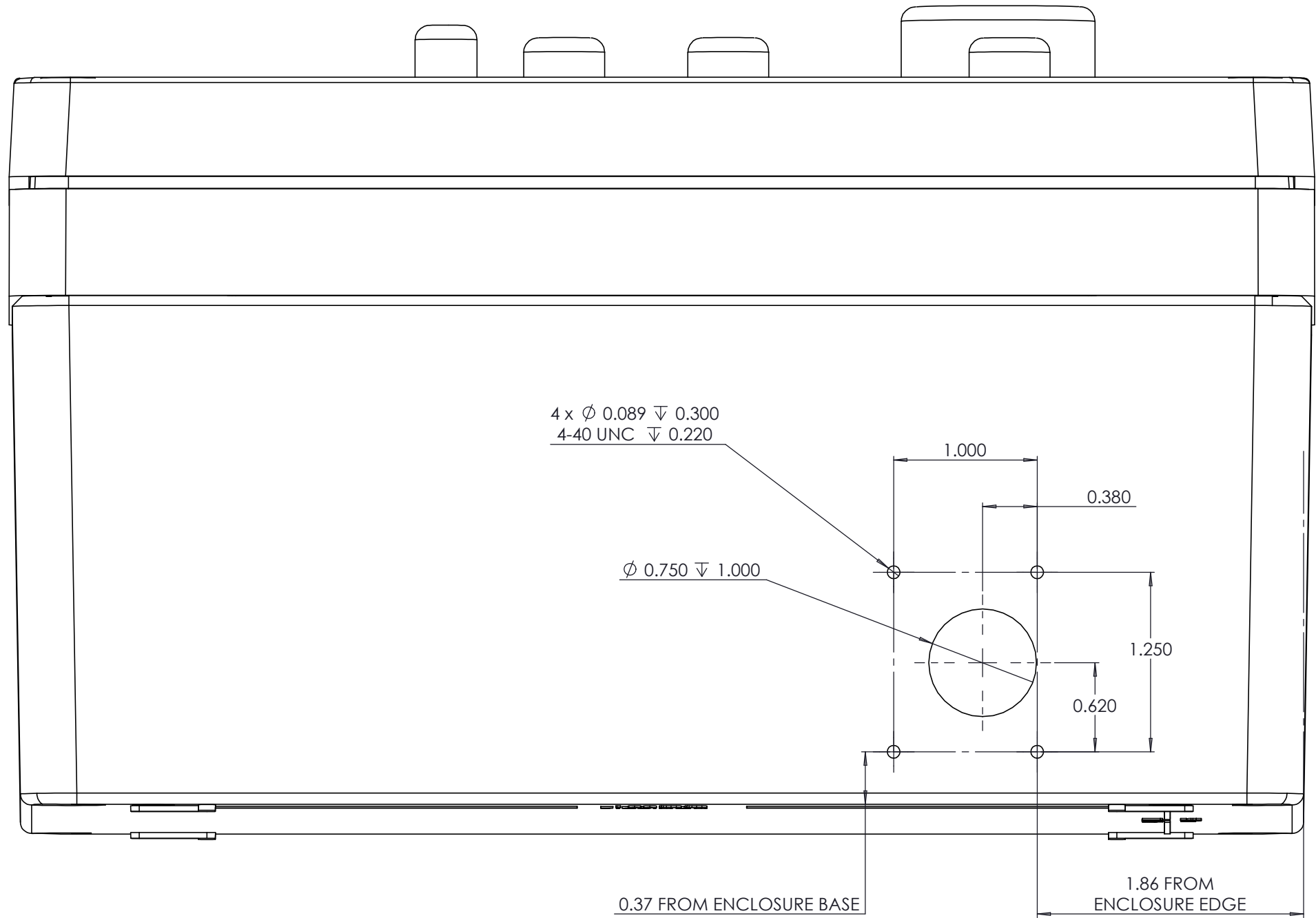
100221414-82-A-DWG

REV.

A

SHEET 1 OF 2

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF MBARI ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF MBARI IS PROHIBITED.



NOTE: PLACE HOLES AT RIGHT ANGLE TO FACE (ACCOUNT FOR PART DRAFT).

(c) MBARI 2021 MBARI provides the documentation and materials "as is", with no warranty, express or implied, as to title, non-infringement of third party rights, merchantability, or fitness for any particular purpose, or the performance or results which you may obtain from their use. You assume the entire risk associated with use.

Shop / Q.C.		BILL OF MATERIALS UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE	
Inspector		1 PLACE DIM ±.015	2 PLACE DIM ±.005	3 PLACE DIM ±.005	ANGLE ±.1°	DRAWN MRC		03/23/2021	
Shop Foreman		1. DIMENSIONS ARE IN INCHES. 2. DIMENSION LIMITS HELD AFTER PLATING. 3. REMOVE BURRS AND SHARP EDGES .015 MAX. 4. MACHINED FILLET 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			
NEXT ASSY Description	NEXT ASSY Number					PROJECT No.	902001		
						PROJECT Name	4K ROV CAMERA		
APPLICATION		DO NOT SCALE DRAWING				WEIGHT			
						SIZE C	DWG. NO.	100221414-82-A-DWG	REV. A
						SCALE	CAD FILE:	SHEET 2 OF 2	

