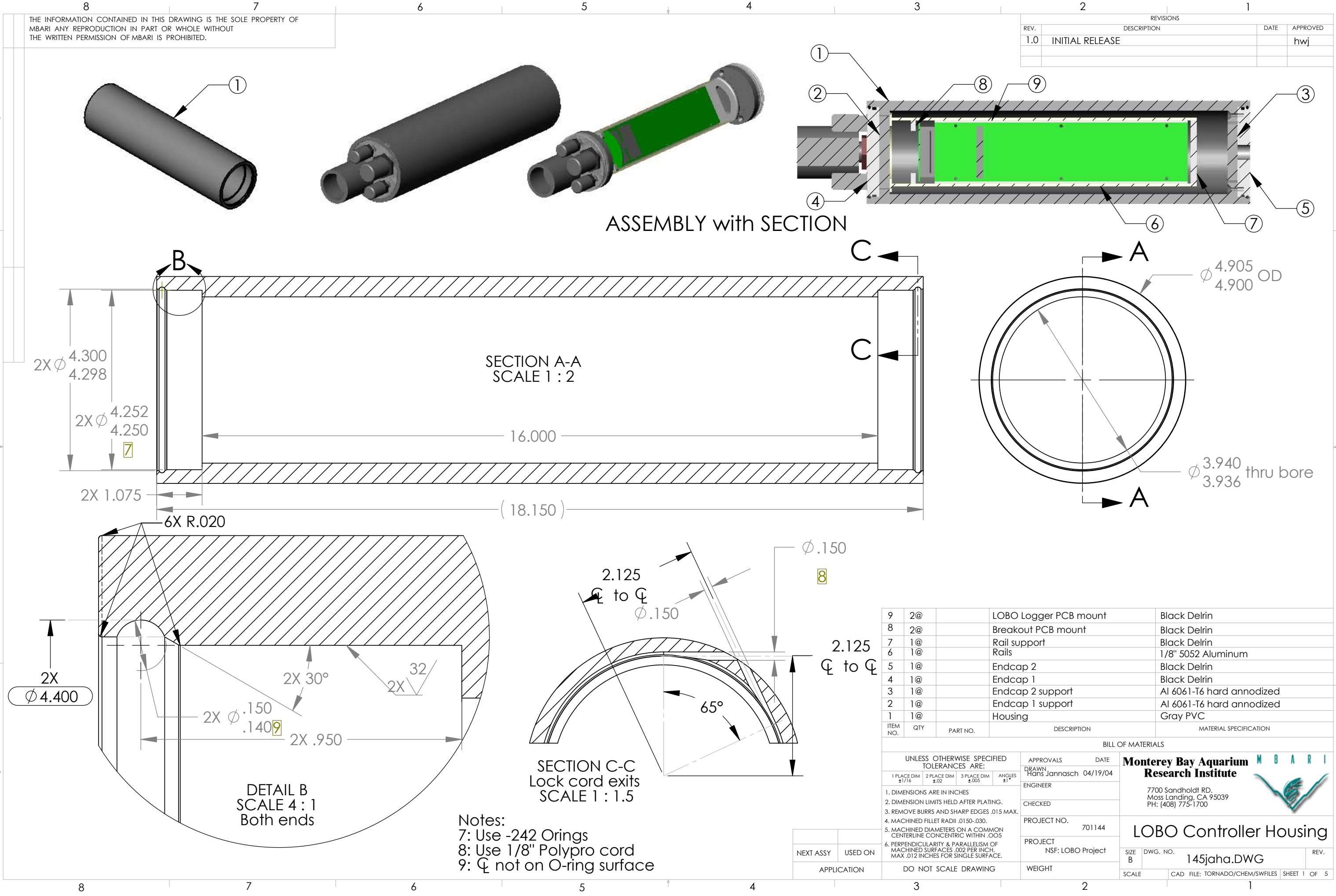
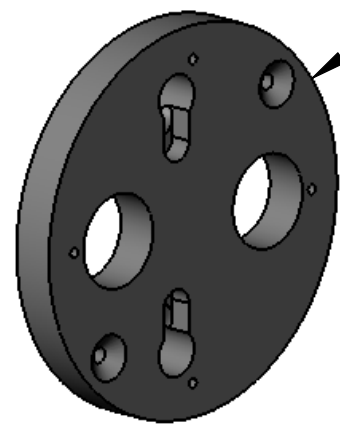
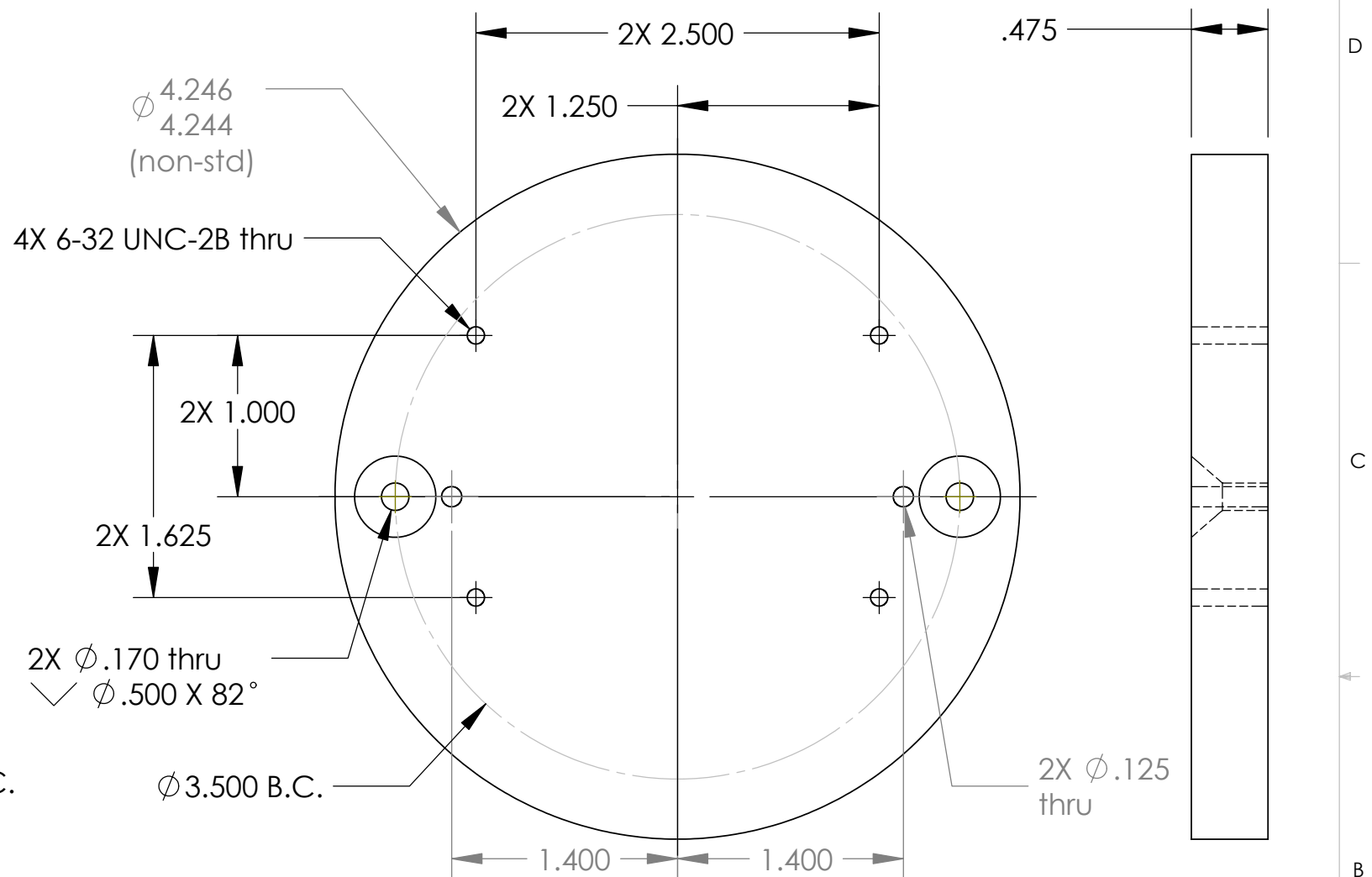
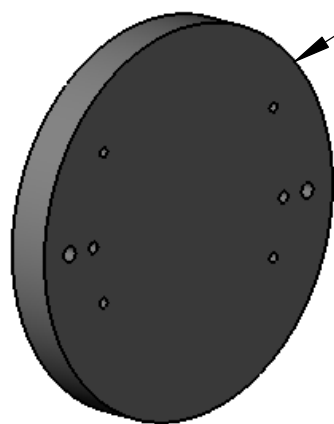




REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
1.0	INITIAL RELEASE		hwj



Note 7:
Hard black anodize per
MIL-A-8625F Type III (.001 thick)



9	2@		LOBO Logger PCB mount	Black Delrin
8	2@		Breakout PCB mount	Black Delrin
7	1@		Rail support	Black Delrin
6	1@		Rails	1/8" 5052 Aluminum
5	1@		Endcap 2	Black Delrin
4	1@		Endcap 1	Black Delrin
3	1@		Endcap 2 support	Al 6061-T6 hard annodized
2	1@		Endcap 1 support	Al 6061-T6 hard annodized
1	1@		Housing	Gray PVC
ITEM NO.	QTY	PART NO.	DESCRIPTION	MATERIAL SPECIFICATION

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE: 1 PLACE DIM ±.1/16 2 PLACE DIM ±.02 3 PLACE DIM ±.005 ANGLES ±1°				BILL OF MATERIALS APPROVALS DATE DRAWN 04/19/04 Hans Jannasch ENGINEER CHECKED PROJECT NO. 701144 PROJECT NSF: LOBO Project WEIGHT		Monterey Bay Aquarium Research Institute M B A R I  7700 Sandholdt RD. Moss Landing, CA 95039 PH: (408) 775-1700 LOBO Controller Housing SIZE B DWG. NO. REV. 145jaha.DWG SCALE CAD FILE: TORNADO/CHEM/SWFILES SHEET 1 OF 5	
1. DIMENSIONS ARE IN INCHES 2. DIMENSION LIMITS HELD AFTER PLATING. 3. REMOVE BURRS AND SHARP EDGES .015 MAX. 4. MACHINED FILLET RADII .0150-.030. 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							

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.

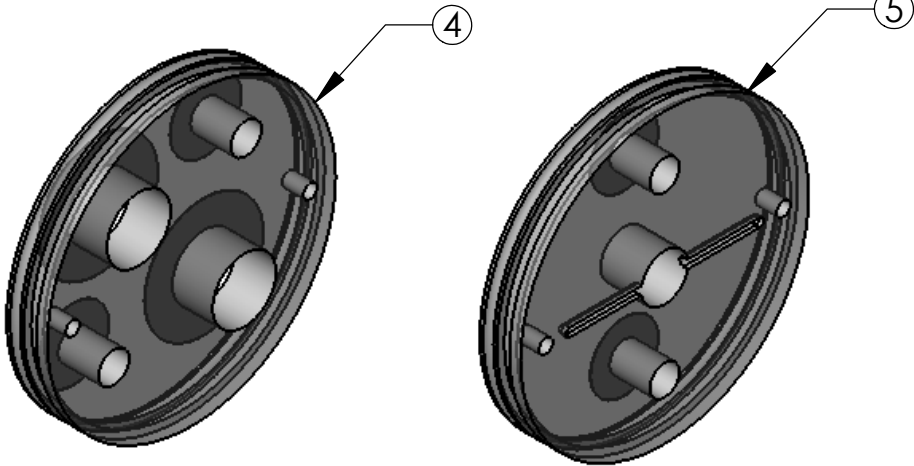
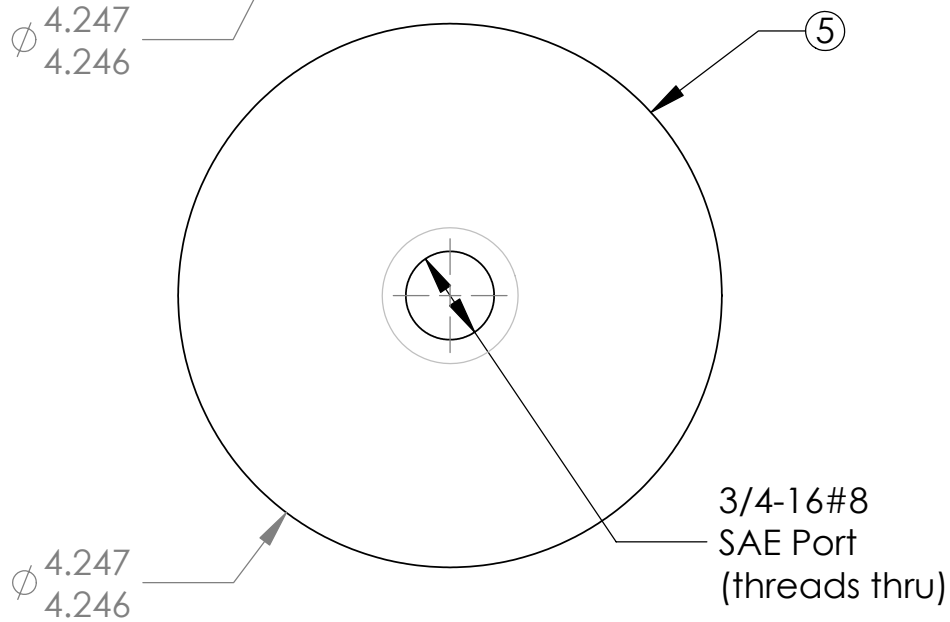
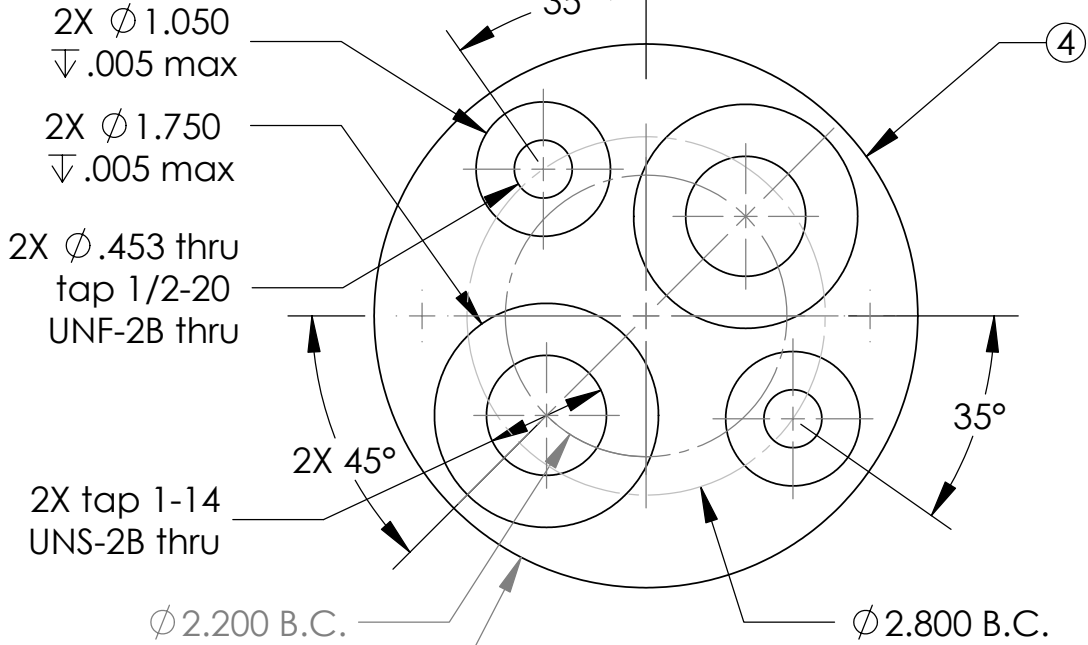
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
1.0	INITIAL RELEASE		hwj

D

C

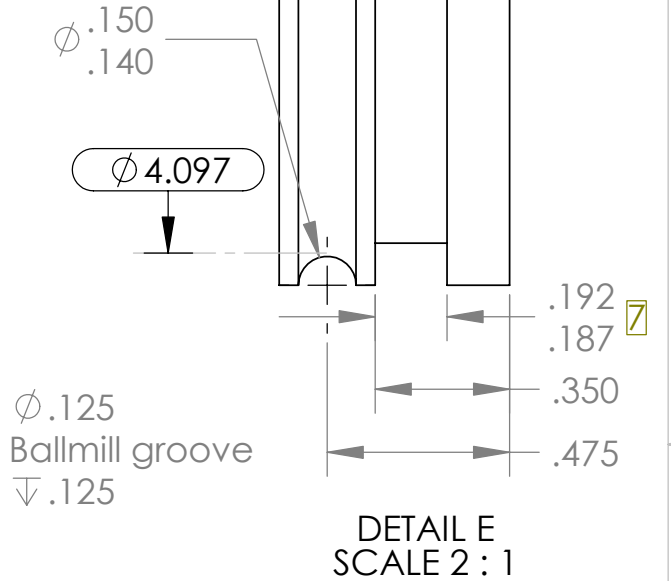
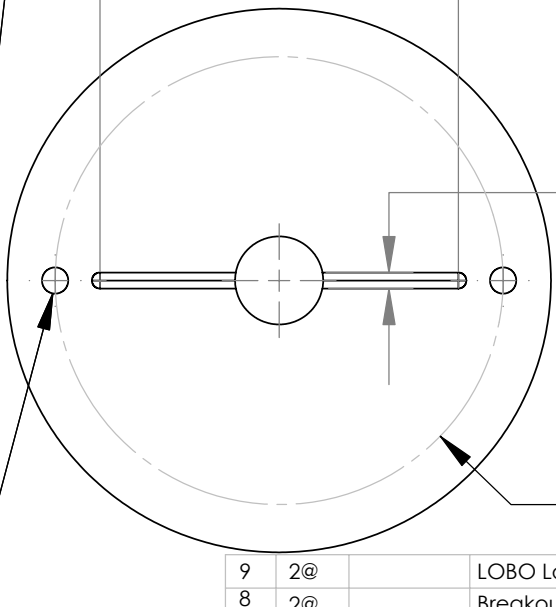
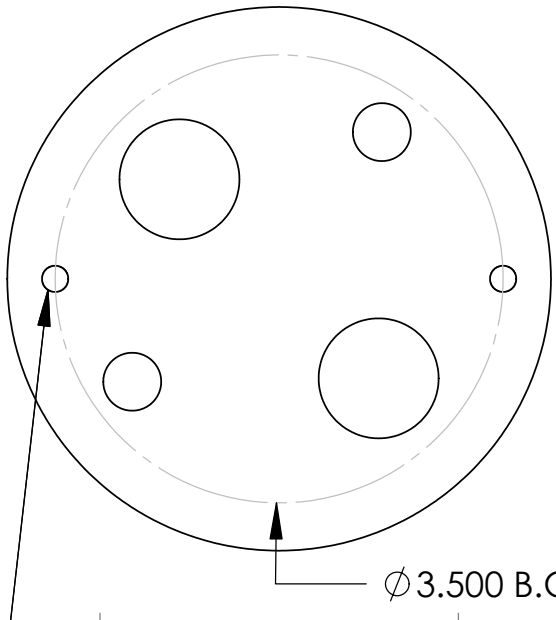
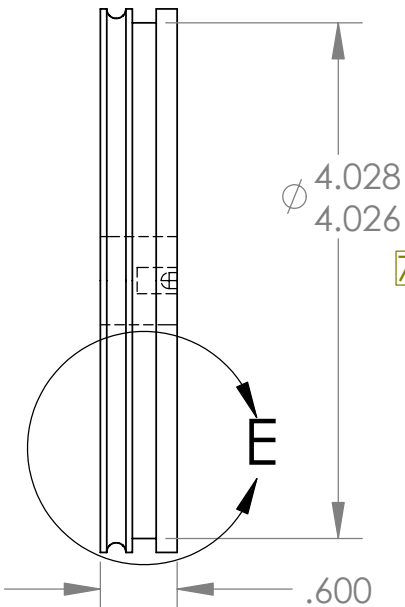
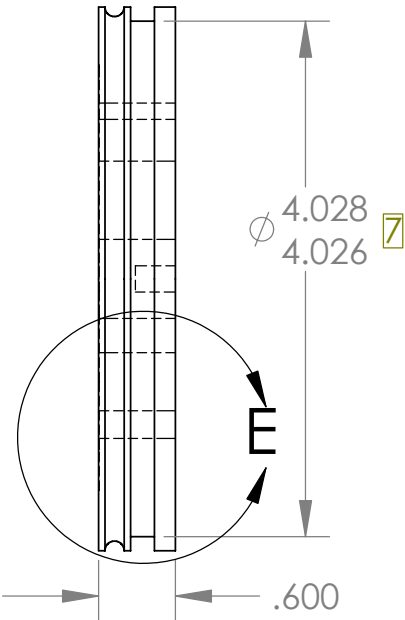
B

A



2X (per endcap)
 ϕ .205 ∇ .325
Yardley Sharp-Sert Insert
PN 832S8-10 (w/ 8-32 thread)
Flush with surface (no rise)

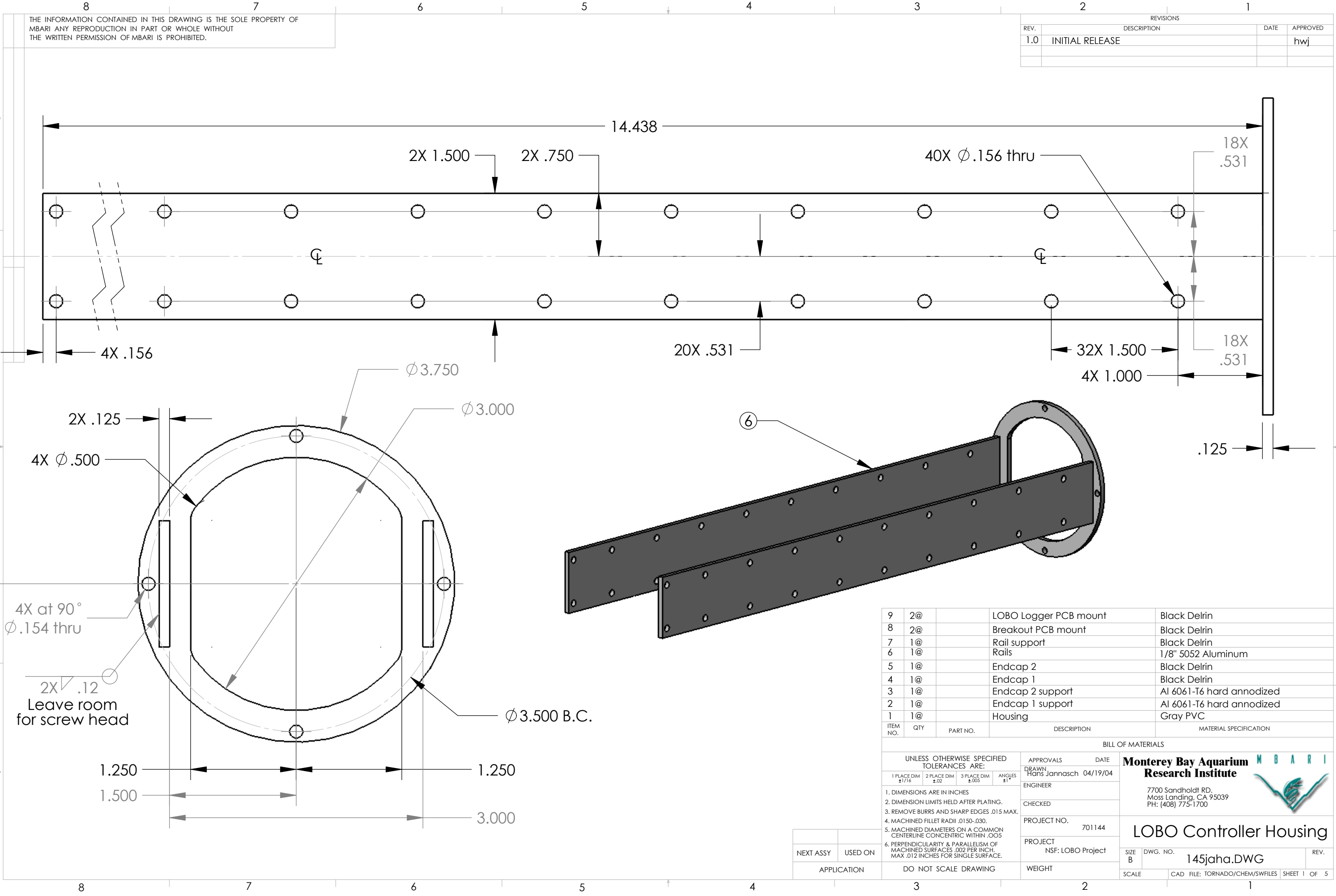
Note 7: -242 O-rings



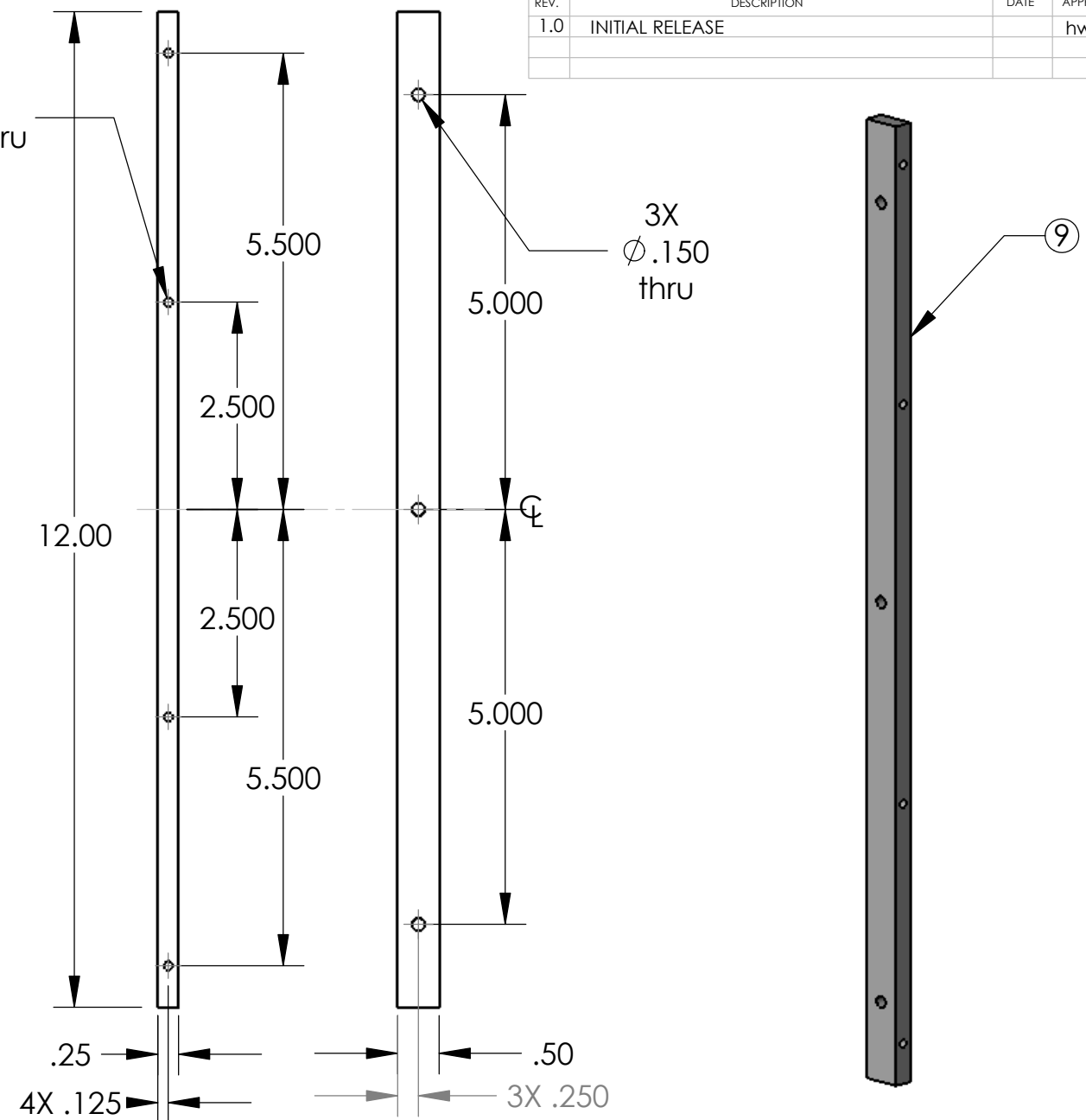
9	2@		LOBO Logger PCB mount	Black Delrin
8	2@		Breakout PCB mount	Black Delrin
7	1@		Rail support	Black Delrin
6	1@		Rails	1/8" 5052 Aluminum
5	1@		Endcap 2	Black Delrin
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2	1@		Endcap 1 support	Al 6061-T6 hard annodized
1	1@		Housing	Gray PVC
ITEM NO.	QTY	PART NO.	DESCRIPTION	MATERIAL SPECIFICATION

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE	BILL OF MATERIALS	
1 PLACE DIM $\pm$ 1/16	2 PLACE DIM $\pm$.02	3 PLACE DIM $\pm$.005	ANGLES $\pm$ 1°	DRAWN	Hans Jannasch	04/19/04	Monterey Bay Aquarium Research Institute 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (408) 775-1700	
1. DIMENSIONS ARE IN INCHES 2. DIMENSION LIMITS HELD AFTER PLATING. 3. REMOVE BURRS AND SHARP EDGES .015 MAX. 4. MACHINED FILLET RADII .0150-.030. 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	CHECKED	PROJECT NO. 701144		
NEXT ASSY				PROJECT NSF: LOBO Project		WEIGHT	SIZE B	
APPLICATION				DO NOT SCALE DRAWING		SCALE	DWG. NO. 145jaha.DWG	
							REV.	
							FILE: TORNADO/CHEM/SWFILES	
							SHEET 1 OF 5	

A



REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
1.0	INITIAL RELEASE		hwj



9	2@		LOBO Logger PCB mount	Black Delrin
8	2@		Breakout PCB mount	Black Delrin
7	1@		Rail support	Black Delrin
6	1@		Rails	1/8" 5052 Aluminum
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ITEM NO.	QTY	PART NO.	DESCRIPTION	MATERIAL SPECIFICATION

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:		APPROVALS		DATE	
1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN Hans Jannasch	04/19/04
1. DIMENSIONS ARE IN INCHES				ENGINEER	
2. DIMENSION LIMITS HELD AFTER PLATING.				CHECKED	
3. REMOVE BURRS AND SHARP EDGES .015 MAX.				PROJECT NO.	
4. MACHINED FILLET RADII .0150-.030.				701144	
5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005				PROJECT	
6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.				NSF: LOBO Project	
DO NOT SCALE DRAWING				WEIGHT	

Monterey Bay Aquarium Research Institute

7700 Sandholdt RD.
Moss Landing, CA 95039
PH: (408) 775-1700



LOBO Controller Housing

REV.

SIZE
B

DWG. NO.

145jaha.DWG

REV.

SCALE

CAD FILE: TORNADO/CHEM/SWF/FILES

SHEET 1 OF 5