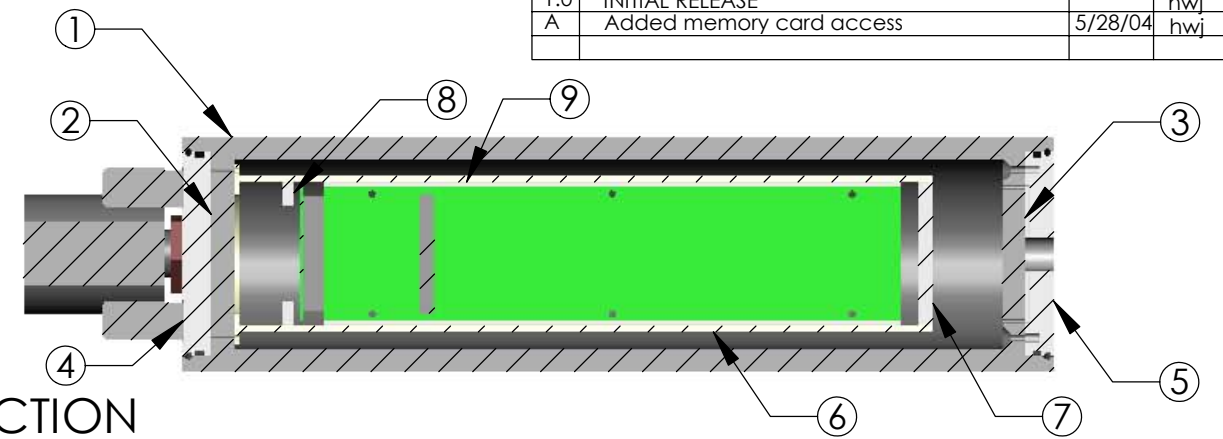
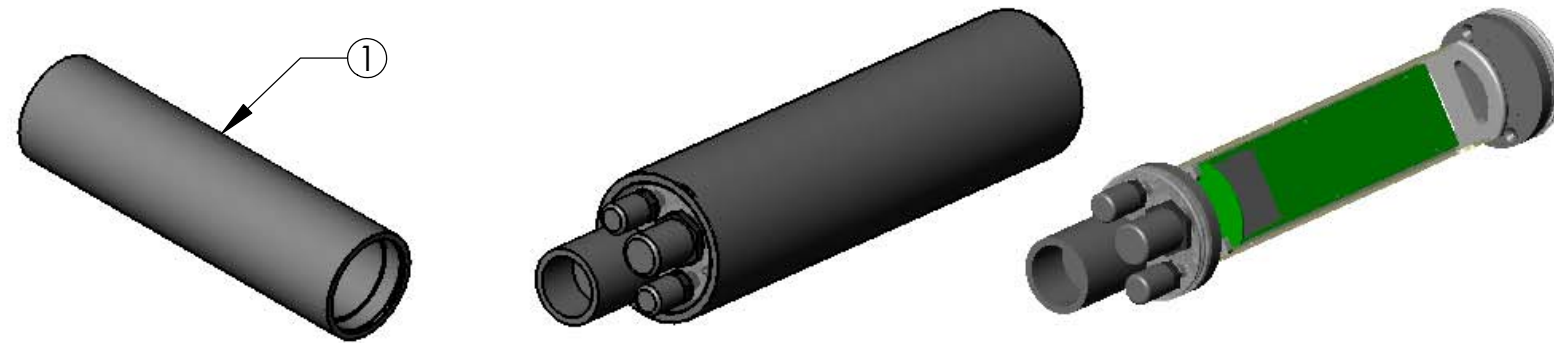


REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
1.0	INITIAL RELEASE		hwj
A	Added memory card access	5/28/04	hwj



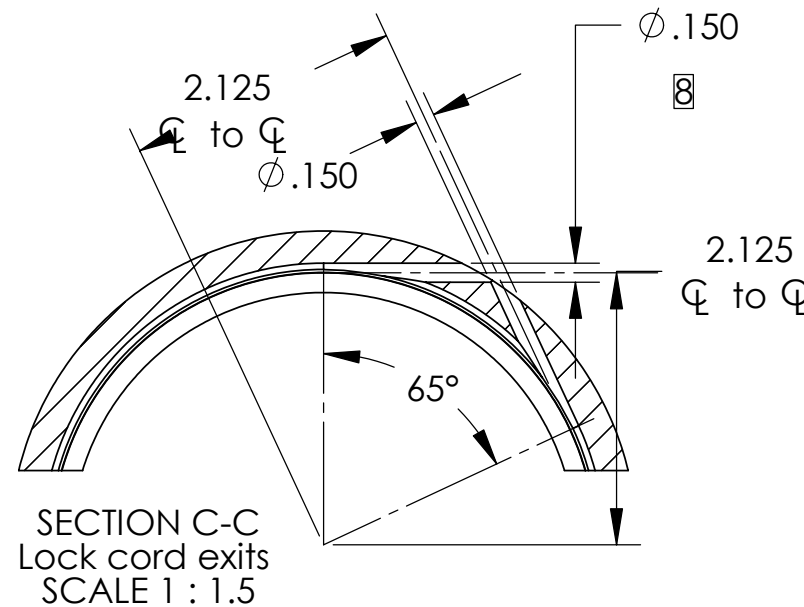
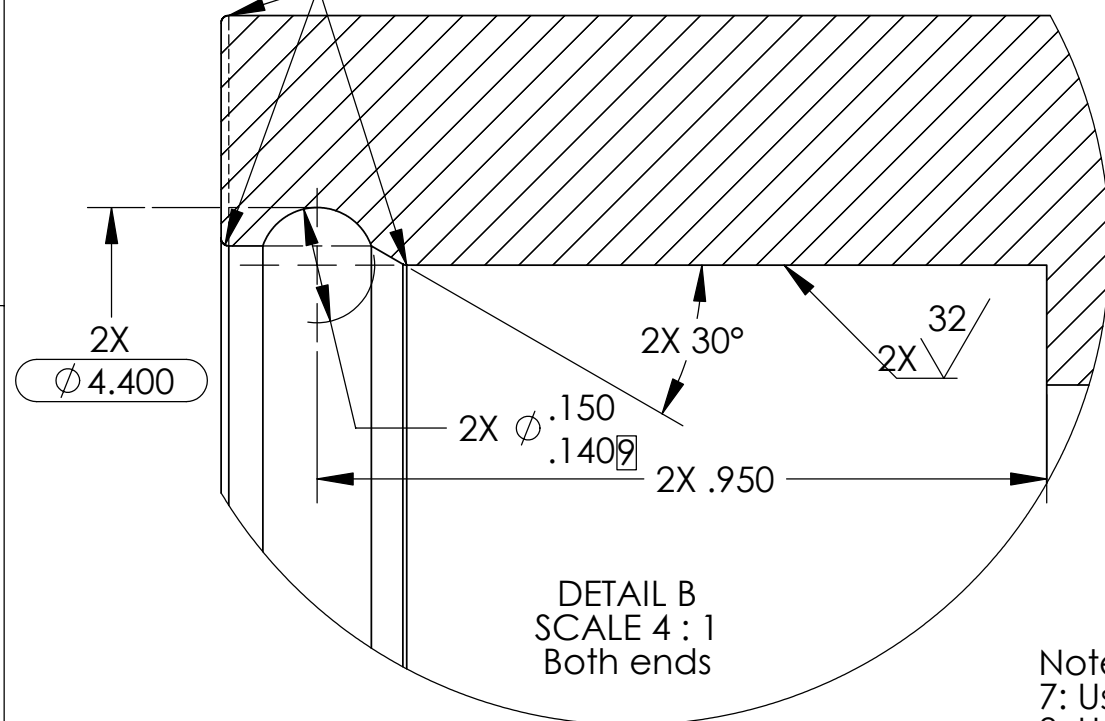
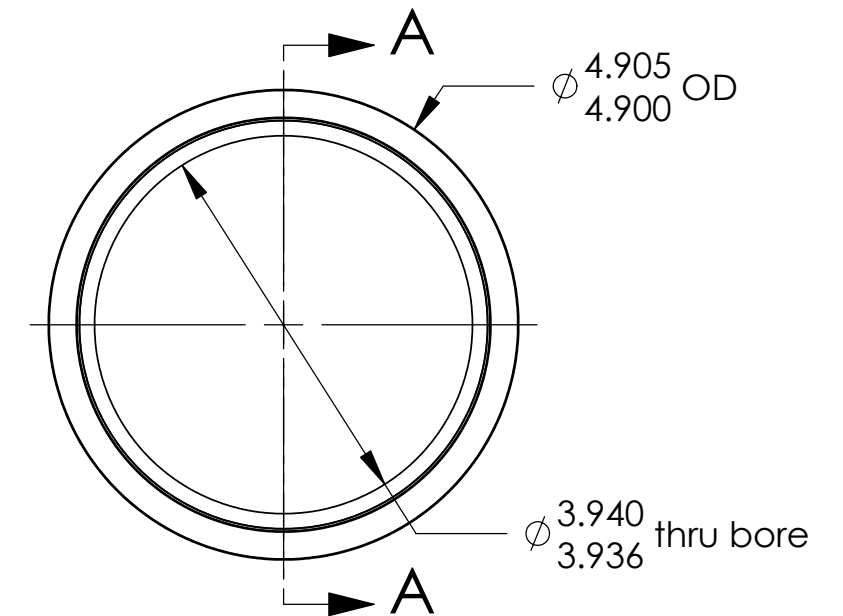
SECTION A-A
SCALE 1 : 2

Dimensions:

- Overall Width: 18.150
- Overall Height: 16.000
- Inner Width: 4.298
- Inner Height: 4.250
- Wall Thickness: 1.075
- Radius: 6X R.020

Detail Views:

- Detail B: Top left corner detail.
- Detail C: Bottom right corner detail.

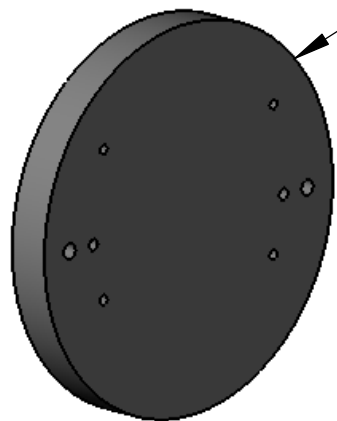


Notes:
7: Use -242 Orings
8: Use 1/8" Polypro cord
9: ϕ not on O-ring surface

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 anodized
2	1@		Endcap 1 support	Al 6061-T6 hard anodized
1	1@		Housing	Gray PVC
ITEM NO.	QTY	PART NO.	DESCRIPTION	MATERIAL SPECIFICATION

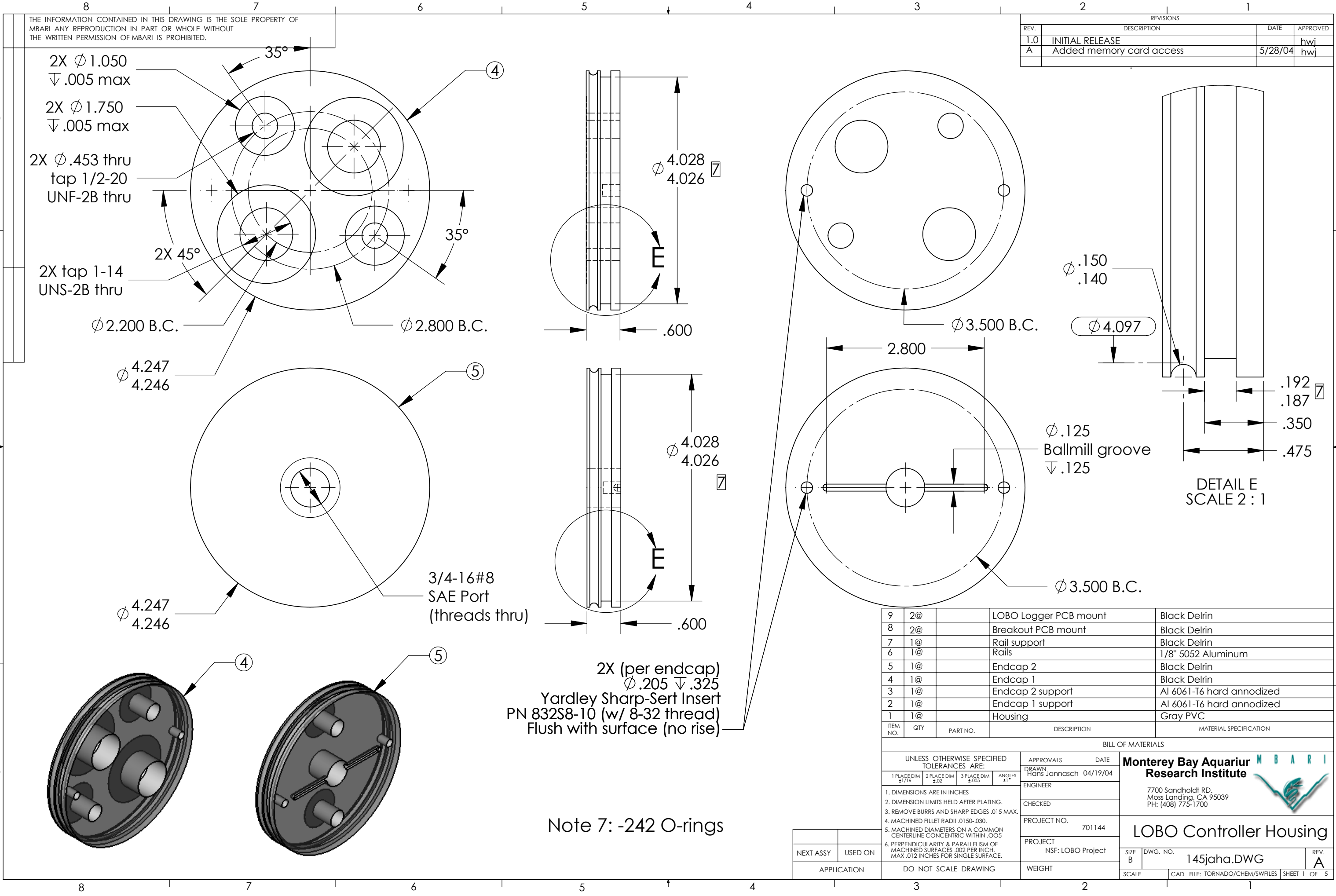
BILL OF MATERIALS													
UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:<table><tr><td>1 PLACE DIM ±1/16</td><td>2 PLACE DIM ±.02</td><td>3 PLACE DIM ±.005</td><td>ANGLES ±1°</td></tr></table> 1. DIMENSIONS ARE IN INCHES 2. DIMENSION LIMITS HELD AFTER PLATING. 3. REMOVE BURRS AND SHARP EDGES .015 MAX.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

REVISIONS			
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8	2@		Breakout PCB mount	Black Delrin
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6	1@		Rails	1/8" 5052 Aluminum
5	1@		Endcap 2	Black Delrin
4	1@		Endcap 1	Black Delrin
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2	1@		Endcap 1 support	Al 6061-T6 hard anodized
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2. DIMENSION LIMITS HELD AFTER PLATING.				CHECKED	
3. REMOVE BURRS AND SHARP EDGES .015 MAX.				PROJECT NO.	LOBO Controller Housing
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	SIZE B DWG. NO. 145jaha.DWG SCALE
DO NOT SCALE DRAWING				WEIGHT	REV. A CAD FILE: TORNADO/CHEM/SWFILES SHEET 1 OF 5

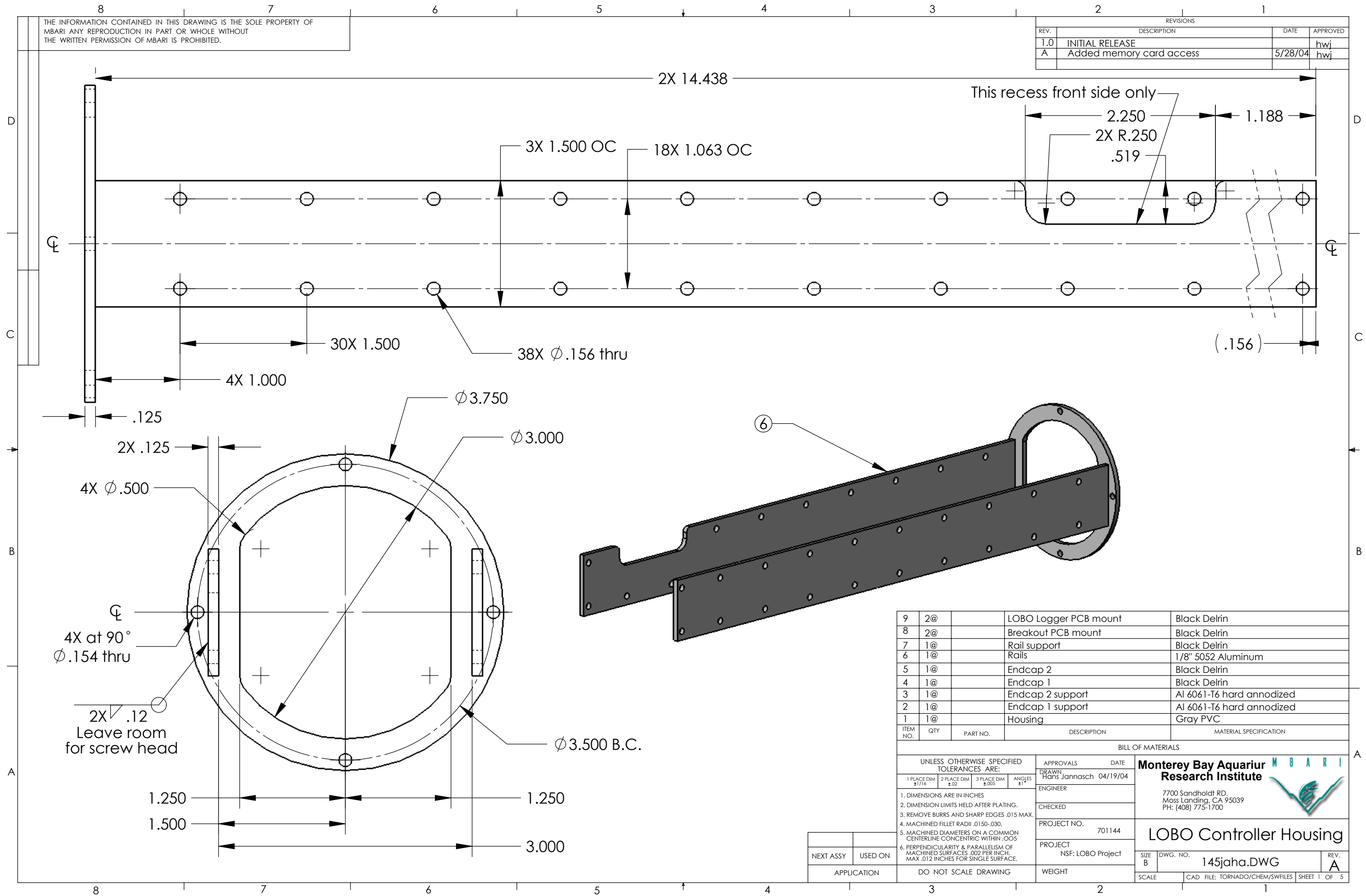


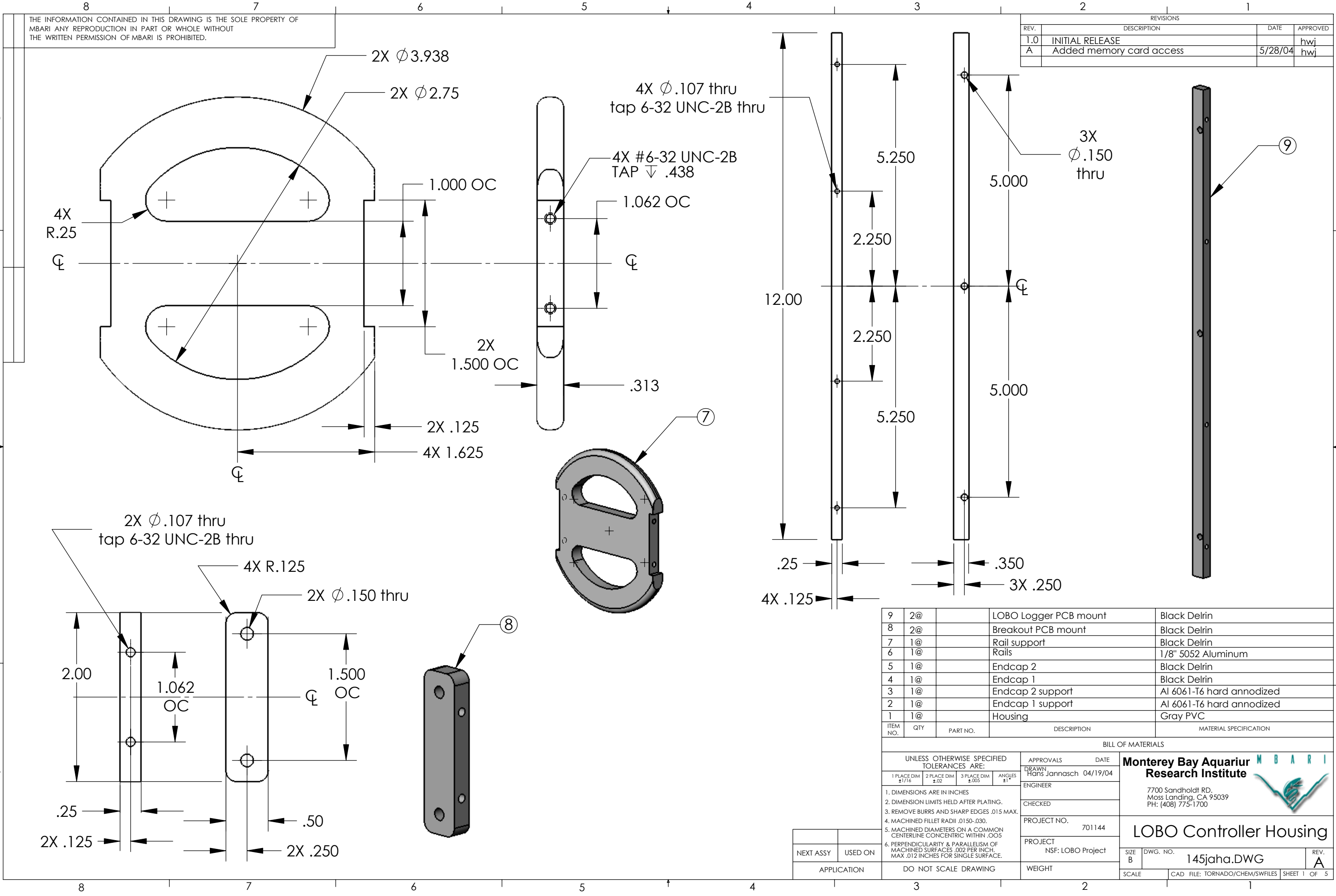
REVISIONS			
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2	1@		Endcap 1 support	Al 6061-T6 hard annodized
1	1@		Housing	Gray PVC

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE	Monterey Bay Aquarium Research Institute	
1 PLACE DIM $\pm 1/16$	2 PLACE DIM $\pm .02$	3 PLACE DIM $\pm .005$	ANGLES $\pm 1^\circ$	DRAWN	Hans Jannasch	04/19/04	7700 Sandholdt RD. Moss Landing, CA 95039 PH: (408) 775-1700	
1. DIMENSIONS ARE IN INCHES				ENGINEER			145jaha.DWG	
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4. MACHINED FILLET RADII .0150-.030.				PROJECT		NSF: LOBO Project	REV.	
5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005				WEIGHT			A	
6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.				DO NOT SCALE DRAWING			SHEET 1 OF 5	

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
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NEXT ASSY		USED ON		APPLICATION		DO NOT SCALE DRAWING		SHEET 1 OF 5