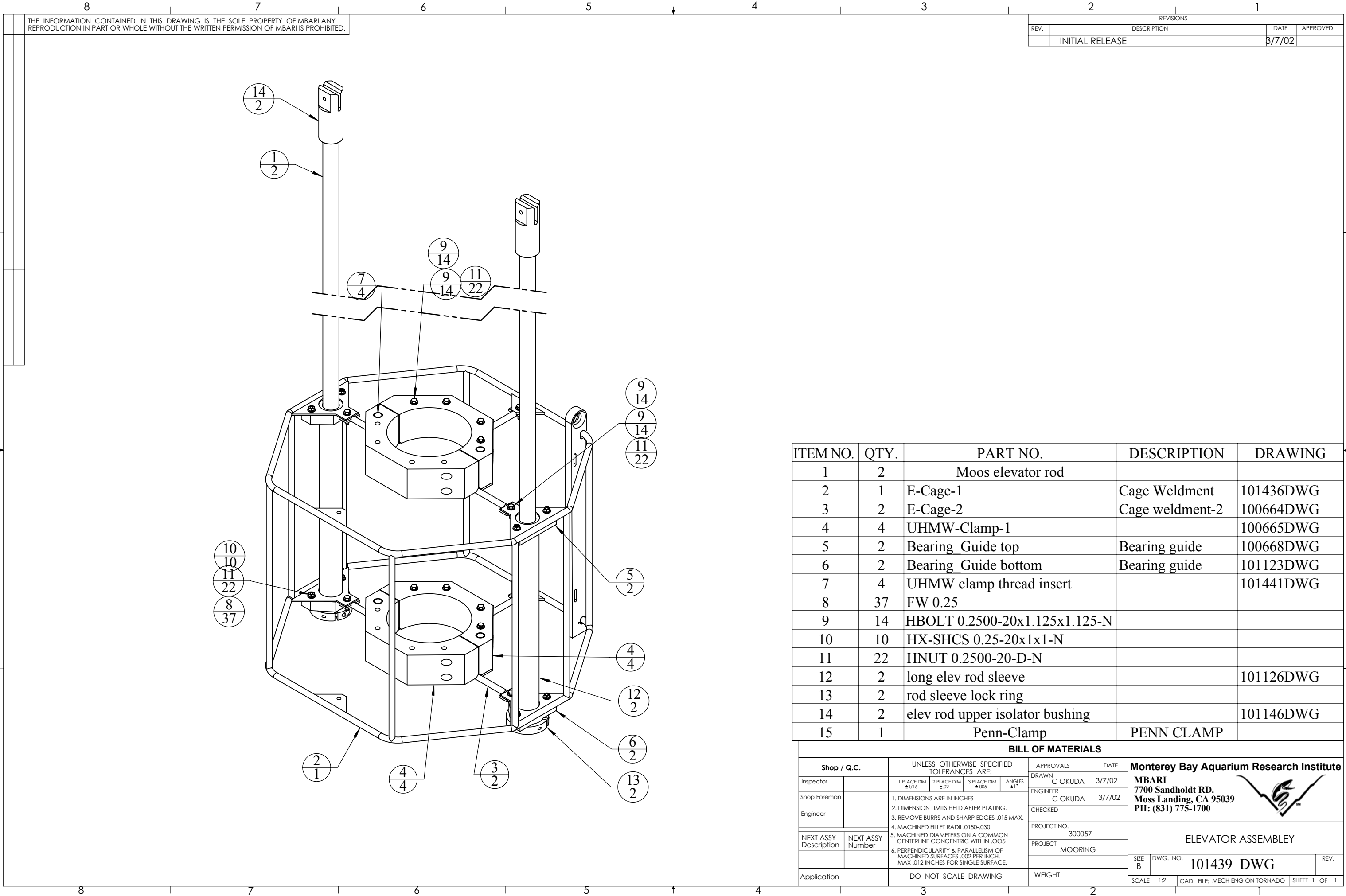




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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE	3/7/02	

ITEM NO.	QTY.	PART NO.	DESCRIPTION	DRAWING
1	2	Moos elevator rod		
2	1	E-Cage-1	Cage Weldment	101436DWG
3	2	E-Cage-2	Cage weldment-2	100664DWG
4	4	UHMW-Clamp-1		100665DWG
5	2	Bearing Guide top	Bearing guide	100668DWG
6	2	Bearing Guide bottom	Bearing guide	101123DWG
7	4	UHMW clamp thread insert		101441DWG
8	37	FW 0.25		
9	14	HBOLT 0.2500-20x1.125x1.125-N		
10	10	HX-SHCS 0.25-20x1x1-N		
11	22	HNU 0.2500-20-D-N		
12	2	long elev rod sleeve		101126DWG
13	2	rod sleeve lock ring		
14	2	elev rod upper isolator bushing		101146DWG
15	1	Penn-Clamp	PENN CLAMP	

BILL OF MATERIALS									
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS	DATE	Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700 	
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN C OKUDA	3/7/02		
Shop Foreman		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 C OKUDA	3/7/02		
Engineer						CHECKED			
NEXT ASSY Description	NEXT ASSY Number					PROJECT NO. 300057		ELEVATOR ASSEMBLY	
						PROJECT MOORING			
Application		DO NOT SCALE DRAWING				WEIGHT		SIZE B	DWG. NO. 101439 DWG
						SCALE 1:2	CAD FILE: MECH ENG ON TORNADO	SHEET 1 OF 1	REV.