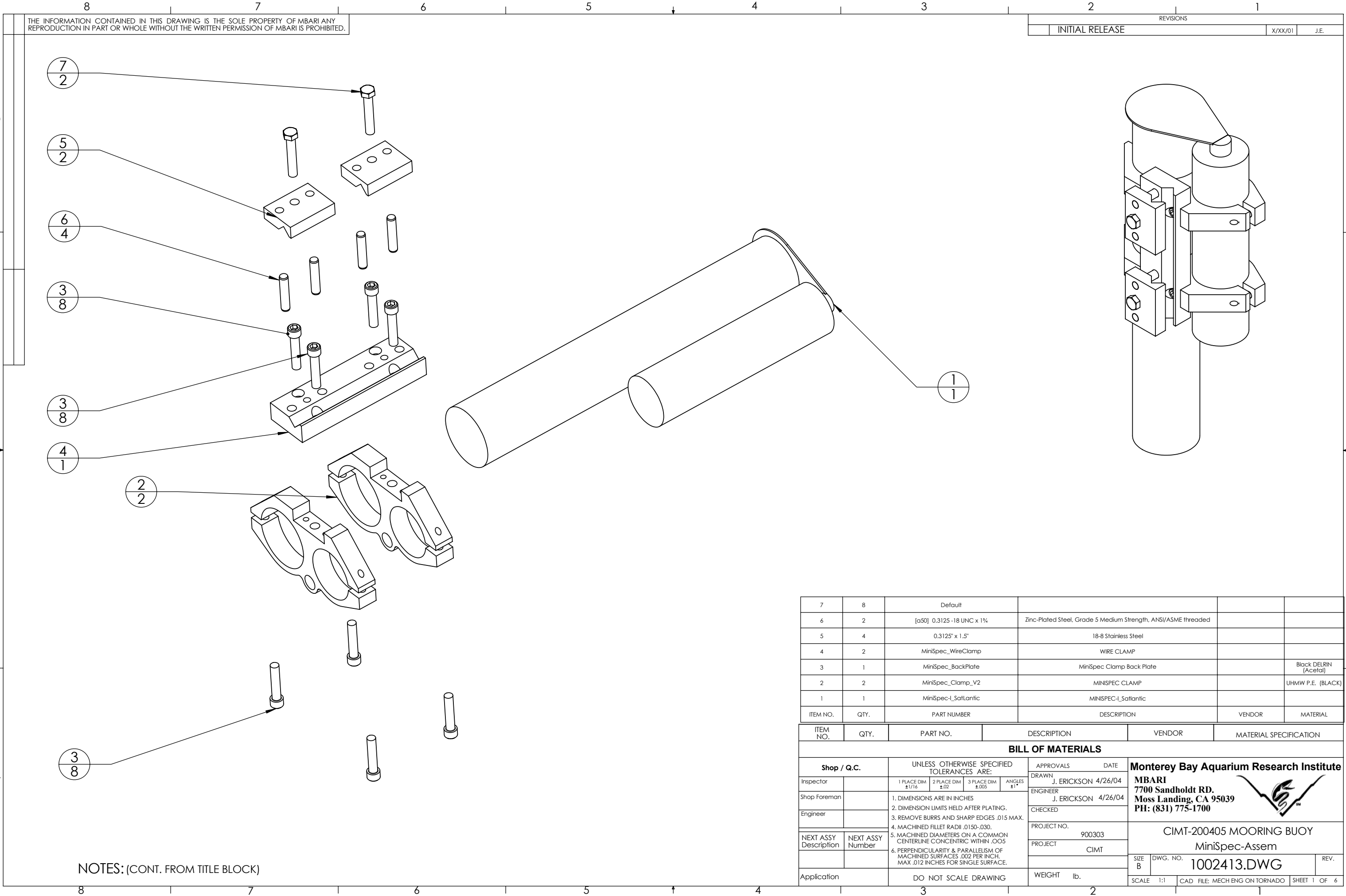




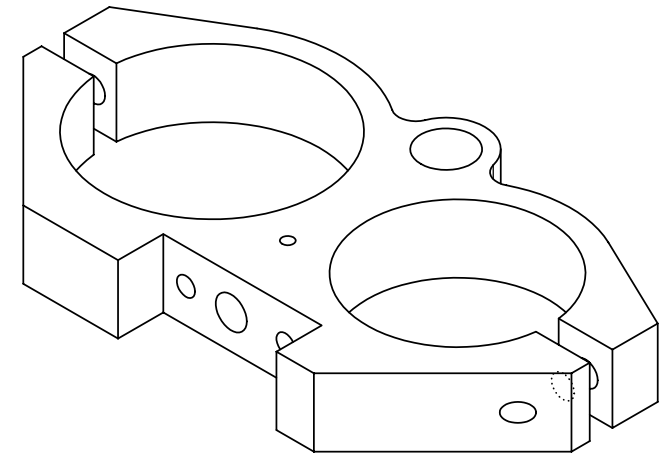
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REVISIONS		
INITIAL RELEASE	X/XX/01	J.E.

7	8	Default			
6	2	[a50] 0.3125 -18 UNC x 1 1/4	Zinc-Plated Steel, Grade 5 Medium Strength, ANSI/ASME threaded		
5	4	0.3125" x 1.5"	18-8 Stainless Steel		
4	2	MiniSpec_WireClamp	WIRE CLAMP		
3	1	MiniSpec_BackPlate	MiniSpec Clamp Back Plate		Black DELRIN (Acetal)
2	2	MiniSpec_Clamp_V2	MINISPEC CLAMP		UHMW P.E. (BLACK)
1	1	MiniSpec-L_SatLantic	MINISPEC-L_SatLantic		
ITEM NO.	QTY.	PART NUMBER	DESCRIPTION	VENDOR	MATERIAL

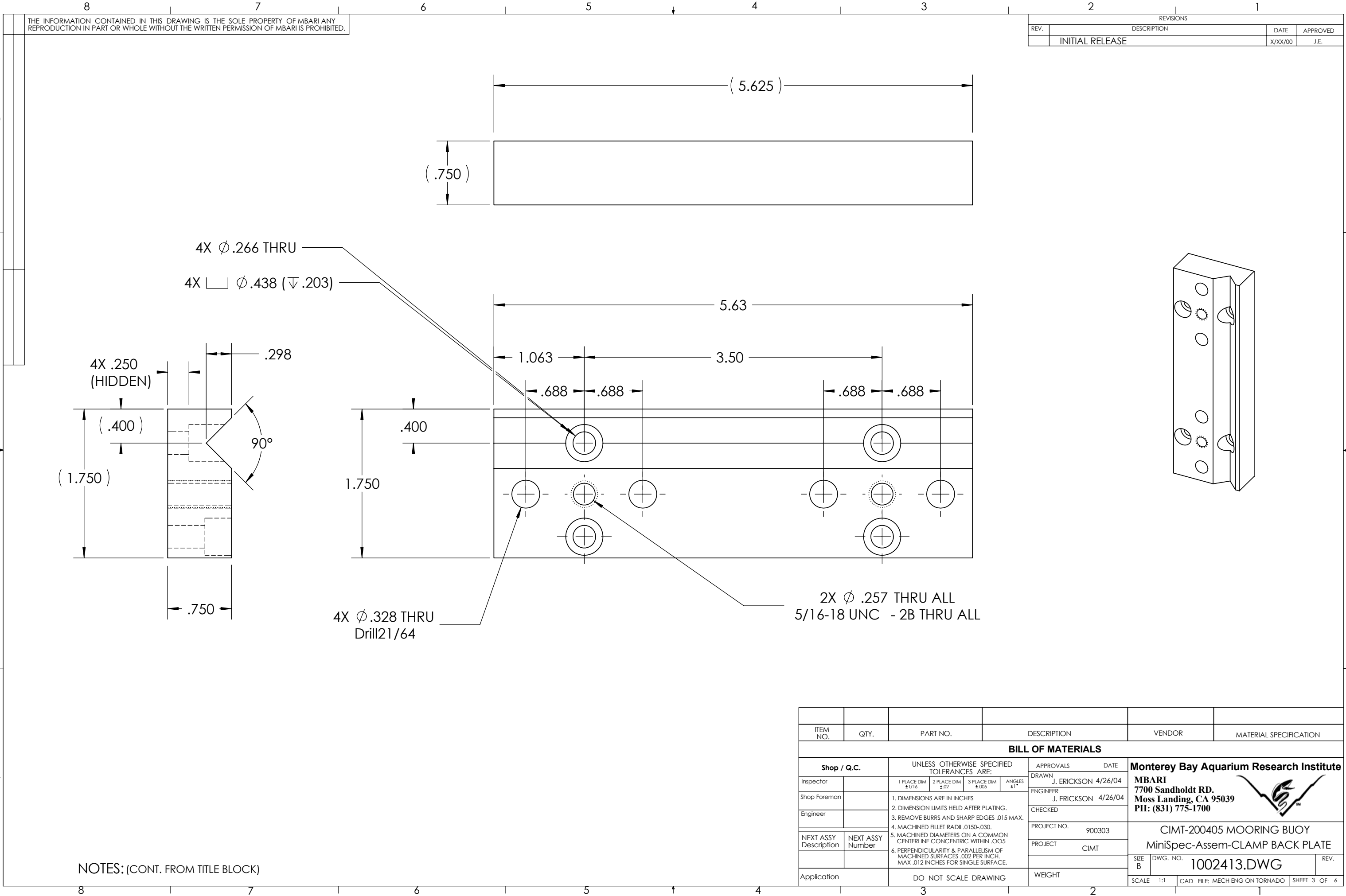
ITEM NO.	QTY.	PART NO.	DESCRIPTION	VENDOR	MATERIAL SPECIFICATION
BILL OF MATERIALS					
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:		APPROVALS DATE	
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°
Shop Foreman		1. DIMENSIONS ARE IN INCHES 2. DIMENSION LIMITS HELD 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.		DRAWN J. ERICKSON 4/26/04	Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700 
Engineer				ENGINEER J. ERICKSON 4/26/04	
				CHECKED	
NEXT ASSY Description	NEXT ASSY Number			PROJECT NO. 900303	CIMT-200405 MOORING BUOY MiniSpec-Assem
				PROJECT CIMT	
Application		DO NOT SCALE DRAWING		WEIGHT lb.	
				SCALE 1:1	CAD FILE: MECH ENG ON TORNADO
				SHEET 1 OF 6	

NOTES: (CONT. FROM TITLE BLOCK)



NOTES: (CONT. FROM TITLE BLOCK)

Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE		Monterey Bay Aquarium Research Institute			
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN	J. ERICKSON 4/26/04			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 FILET 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	J. ERICKSON 4/26/04						
Engineer						CHECKED							
NEXT ASSY Description	NEXT ASSY Number					PROJECT NO.	900303			CIMT-200405 MOORING BUOY			
						PROJECT	CIMT			MiniSpec-Assem-CLAMP_v2			
Application		DO NOT SCALE DRAWING				WEIGHT					SIZE B		
											DWG. NO. 1002413.DWG		
											REV.		
								SCALE 1:4			CAD FILE: MECH ENG ON TORNADO		
											SHEET 2 OF 6		



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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE	X/XX/00	J.E.

NOTES: (CONT. FROM TITLE BLOCK)

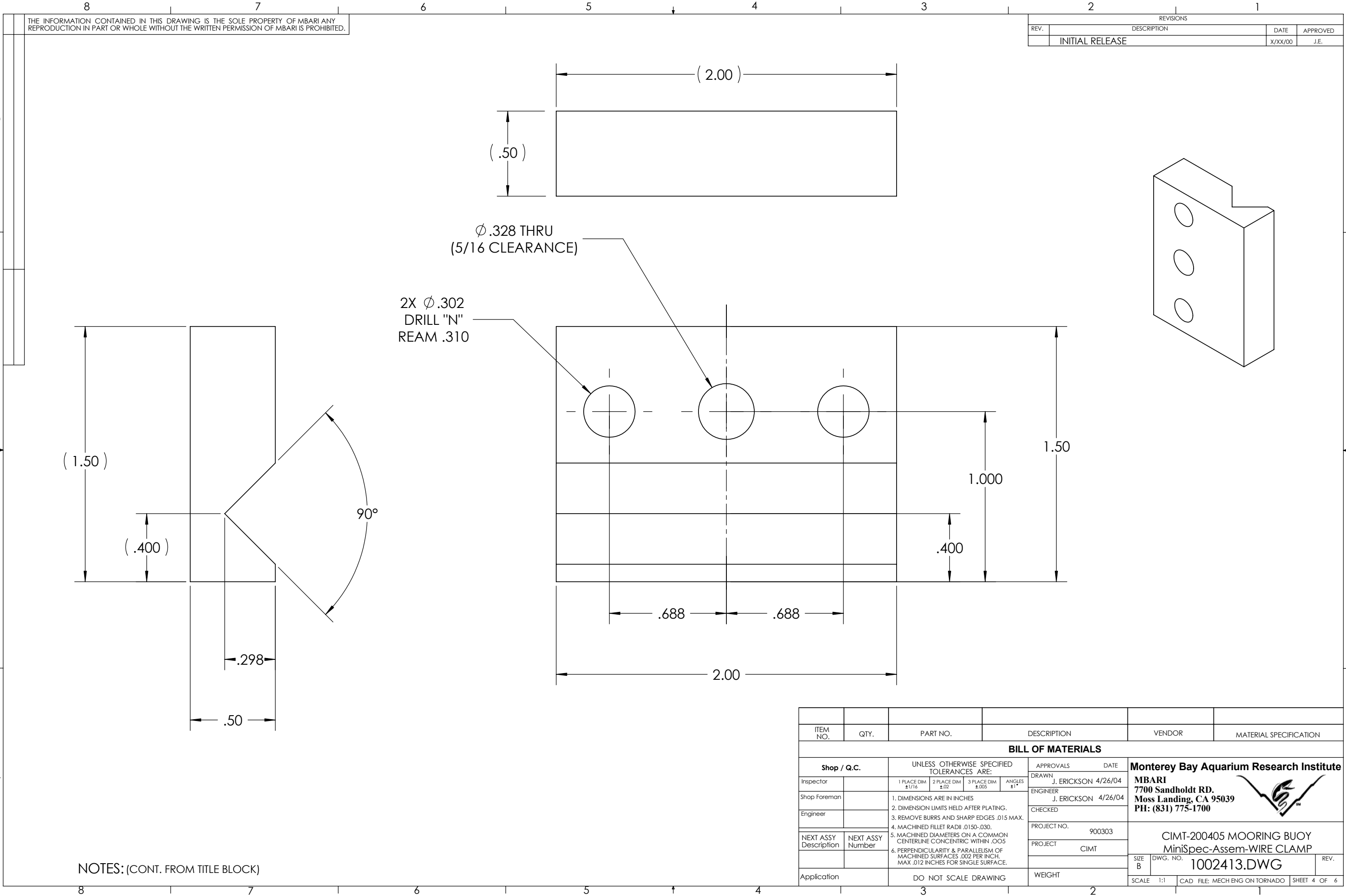
ITEM NO.	QTY.	PART NO.	DESCRIPTION	VENDOR	MATERIAL SPECIFICATION
BILL OF MATERIALS					
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:		APPROVALS DATE	
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°
Shop Foreman		1. DIMENSIONS ARE IN INCHES 2. DIMENSION LIMITS HELD 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.		DRAWN J. ERICKSON 4/26/04	
Engineer				ENGINEER J. ERICKSON 4/26/04	
				CHECKED	
NEXT ASSY Description	NEXT ASSY Number			PROJECT NO.	900303
				PROJECT	CIMT
Application		DO NOT SCALE DRAWING		WEIGHT	

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CIMT-200405 MOORING BUOY
MiniSpec-Assem-CLAMP BACK PLATE

SIZE B DWG. NO. 1002413.DWG REV.

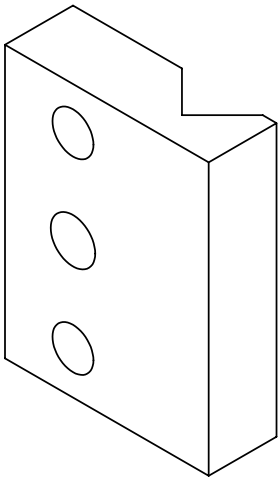


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REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE	X/XX/00	J.E.

Ø .328 THRU
(5/16 CLEARANCE)

2X Ø .302
DRILL "N"
REAM .310



NOTES: (CONT. FROM TITLE BLOCK)

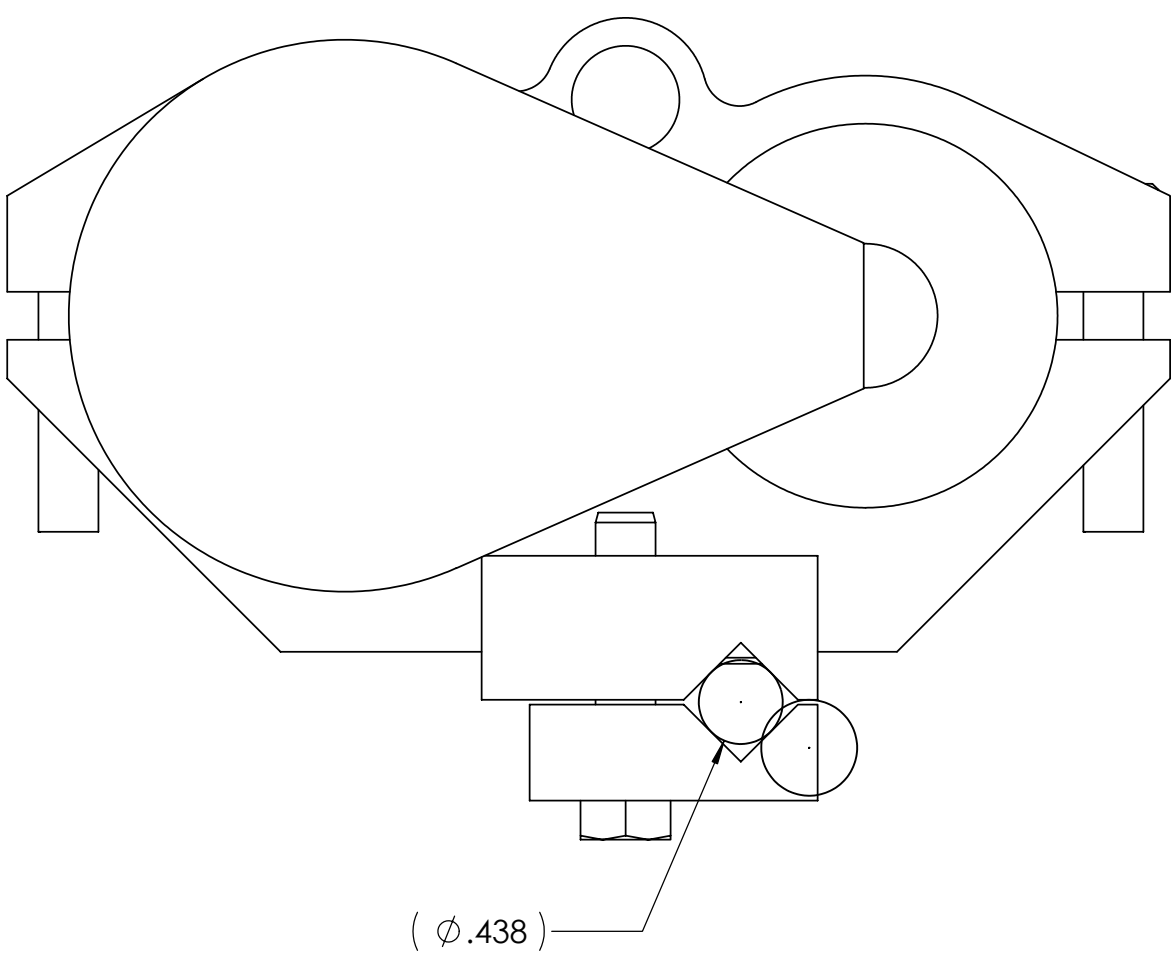
ITEM NO.	QTY.	PART NO.	DESCRIPTION		VENDOR	MATERIAL SPECIFICATION	
BILL OF MATERIALS							
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:			APPROVALS DATE		
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt 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 RADII .0150-.030.					DRAWN J. ERICKSON 4/26/04
Engineer							ENGINEER J. ERICKSON 4/26/04
							CHECKED
NEXT ASSY Description	NEXT ASSY Number	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.				PROJECT NO. 900303	
						PROJECT CIMT	
Application		DO NOT SCALE DRAWING			WEIGHT	SIZE B DWG. NO. 1002413.DWG REV.	
					SCALE 1:1	CAD FILE: MECH ENG ON TORNADO	SHEET 4 OF 6

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7700 Sandholdt RD.
Moss Landing, CA 95039
PH: (831) 775-1700



CIMT-200405 MOORING BUOY
MiniSpec-Assem-WIRE CLAMP

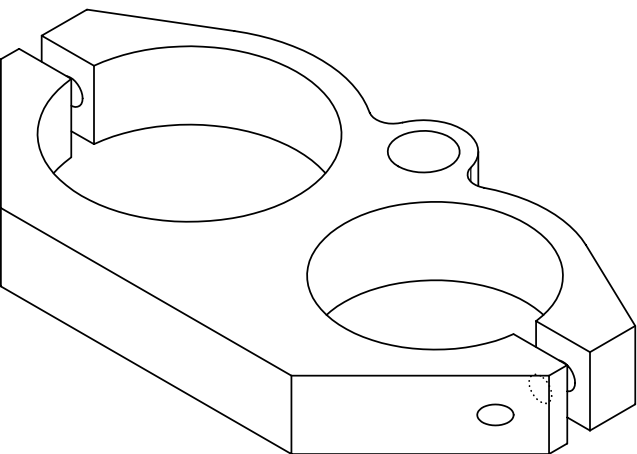
SIZE B DWG. NO. 1002413.DWG REV.



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[illegible]

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE	X/XX/00	J.E.



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 J. ERICKSON 4/26/04			
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 WITH .005 6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.				ENGINEER J. ERICKSON 4/26/04			
Engineer						CHECKED			
NEXT ASSY Description	NEXT ASSY Number					PROJECT NO. 600027	MOOS/CIMT MOORING BUOY MiniSpec-Assem_PoleClamp		
						PROJECT MOOS			
Application						DO NOT SCALE DRAWING			