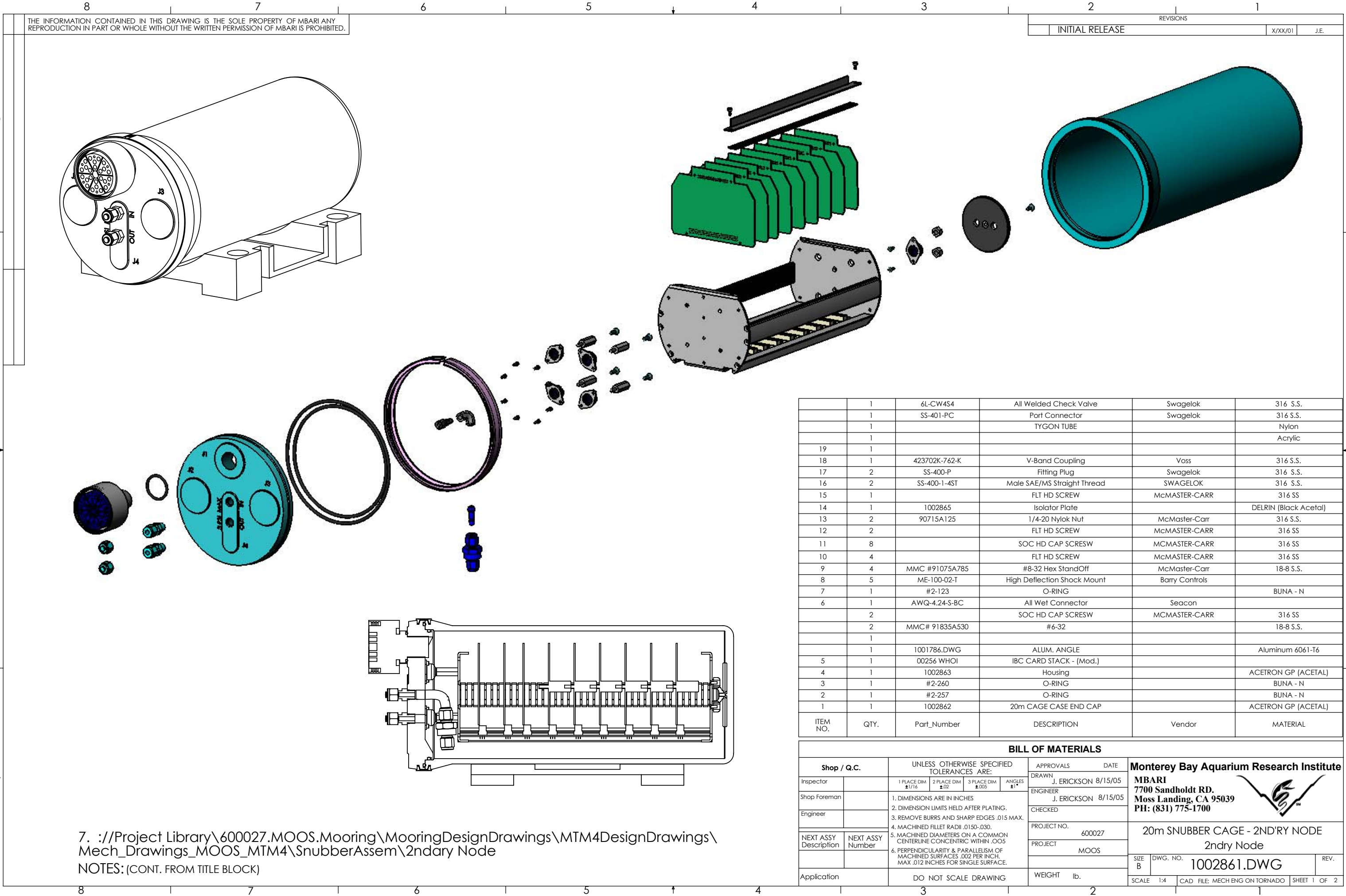




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REVISIONS		
INITIAL RELEASE	X/XX/01	J.E.

	1	6L-CW4S4	All Welded Check Valve	Swagelok	316 S.S.
	1	SS-401-PC	Port Connector	Swagelok	316 S.S.
	1		TYGON TUBE		Nylon
	1				Acrylic
19	1				
18	1	423702K-762-K	V-Band Coupling	Voss	316 S.S.
17	2	SS-400-P	Fitting Plug	Swagelok	316 S.S.
16	2	SS-400-1-4ST	Male SAE/MS Straight Thread	SWAGELOK	316 S.S.
15	1		FLT HD SCREW	McMASTER-CARR	316 SS
14	1	1002865	Isolator Plate		DELRIN (Black Acetal)
13	2	90715A125	1/4-20 Nylok Nut	McMaster-Carr	316 S.S.
12	2		FLT HD SCREW	McMASTER-CARR	316 SS
11	8		SOC HD CAP SCRESW	McMASTER-CARR	316 SS
10	4		FLT HD SCREW	McMASTER-CARR	316 SS
9	4	MMC #91075A785	#8-32 Hex StandOff	McMaster-Carr	18-8 S.S.
8	5	ME-100-02-T	High Deflection Shock Mount	Barry Controls	
7	1	#2-123	O-RING		BUNA - N
6	1	AWQ-4.24-S-BC	All Wet Connector	Seacon	
	2		SOC HD CAP SCRESW	McMASTER-CARR	316 SS
	2	MMC# 91835A530	#6-32		18-8 S.S.
	1				
	1	1001786.DWG	ALUM. ANGLE		Aluminum 6061-T6
5	1	00256 WHOI	IBC CARD STACK - (Mod.)		
4	1	1002863	Housing		ACETRON GP (ACETAL)
3	1	#2-260	O-RING		BUNA - N
2	1	#2-257	O-RING		BUNA - N
1	1	1002862	20m CAGE CASE END CAP		ACETRON GP (ACETAL)
ITEM NO.	QTY.	Part_Number	DESCRIPTION	Vendor	MATERIAL

7. ://Project Library\600027.MOOS.Mooring\MooringDesignDrawings\MTM4DesignDrawings\Mech_Drawings_MOOS_MTM4\SnubberAssem\2ndary Node

NOTES: (CONT. FROM TITLE BLOCK)

Shop / Q.C.

Inspector

Shop Foreman

Engineer

NEXT ASSY Description

Application

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:

1 PLACE DIM ±.1/16

2 PLACE DIM ±.02

3 PLACE DIM ±.005

ANGLES ±1°

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

APPROVALS DATE

DRAWN J. ERICKSON 8/15/05

ENGINEER J. ERICKSON 8/15/05

CHECKED

PROJECT NO. 600027

PROJECT MOOS

WEIGHT lb.

Monterey Bay Aquarium Research Institute

MBARI

7700 Sandholdt RD.

Moss Landing, CA 95039

PH: (831) 775-1700



20m SNUBBER CAGE - 2ND'RY NODE

2ndry Node

SIZE B

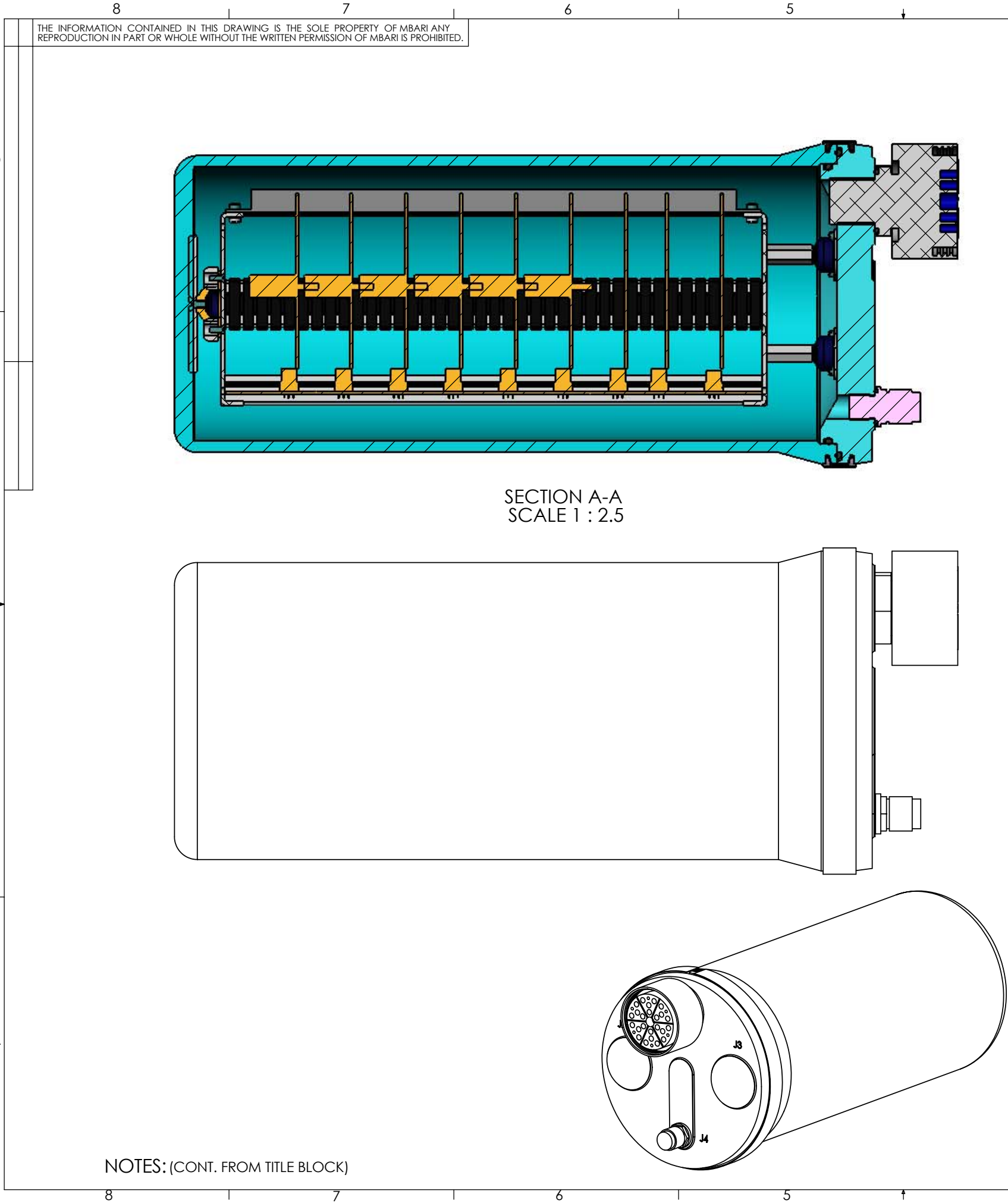
DWG. NO. 1002861.DWG

REV.

SCALE 1:4

CAD FILE: MECH ENG ON TORNADO

SHEET 1 OF 2



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

18	1	423702K-762-K	V-Band Coupling	Voss	316 S.S.
17	1		FLT HD SCREW	McMASTER-CARR	316 SS
16	1	1002865	Isolator Plate		DELTRIN (Black Acetal)
15	2	90715A125	1/4-20 Nylok Nut	McMaster-Carr	316 S.S.
14	2		FLT HD SCREW	McMASTER-CARR	316 SS
13	8		SOC HD CAP SCRESW	MCMMASTER-CARR	316 SS
12	4		FLT HD SCREW	McMASTER-CARR	316 SS
11	4	MMC #91075A785	#8-32 Hex StandOff	McMaster-Carr	18-8 S.S.
10	5	ME-100-02-T	High Deflection Shock Mount	Barry Controls	
9	1		O-RING		BUNA - N
8	1				
7	1	#2-123	O-RING		BUNA - N
6	1	AWQ-4.24-S-BC	All Wet Connector	Seacon	
5	1	00256 WHOI	IBC CARD STACK - (Mod.)		
4	1	1002863	Housing		ACETRON GP (ACETAL)
3	1	#2-260	O-RING		BUNA - N
2	1	#2-257	O-RING		BUNA - N
1	1	1002862	20m CAGE CASE END CAP		ACETRON GP (ACETAL)
ITEM NO.	20m Config/QTY.	Part_Number	DESCRIPTION	Vendor	MATERIAL

BILL OF MATERIALS					
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:		APPROVALS	DATE
Inspector		1 PLACE DIM ±.1/16	2 PLACE DIM ±.02	DRAWN	J. ERICKSON 8/22/05
Shop Foreman		1. DIMENSIONS ARE IN INCHES	3 PLACE DIM ±.005	ENGINEER	J. ERICKSON 8/22/05
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING.	ANGLES ±1°	CHECKED	
		3. REMOVE BURRS AND SHARP EDGES .015 MAX.		PROJECT NO.	600027
NEXT ASSY Description	NEXT ASSY Number	4. MACHINED FILLET RADII .0150-.030.		PROJECT	MOOS
		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.		WEIGHT	
Application		DO NOT SCALE DRAWING			

Monterey Bay Aquarium Research Institute					
MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700					
MOOS MOORING BUOY 20M_2ndry Node					
SIZE B	DWG. NO.	1002867.DWG		REV.	
SCALE 1:12	CAD FILE: MECH ENG ON TORNADO	SHEET 2 OF 2			