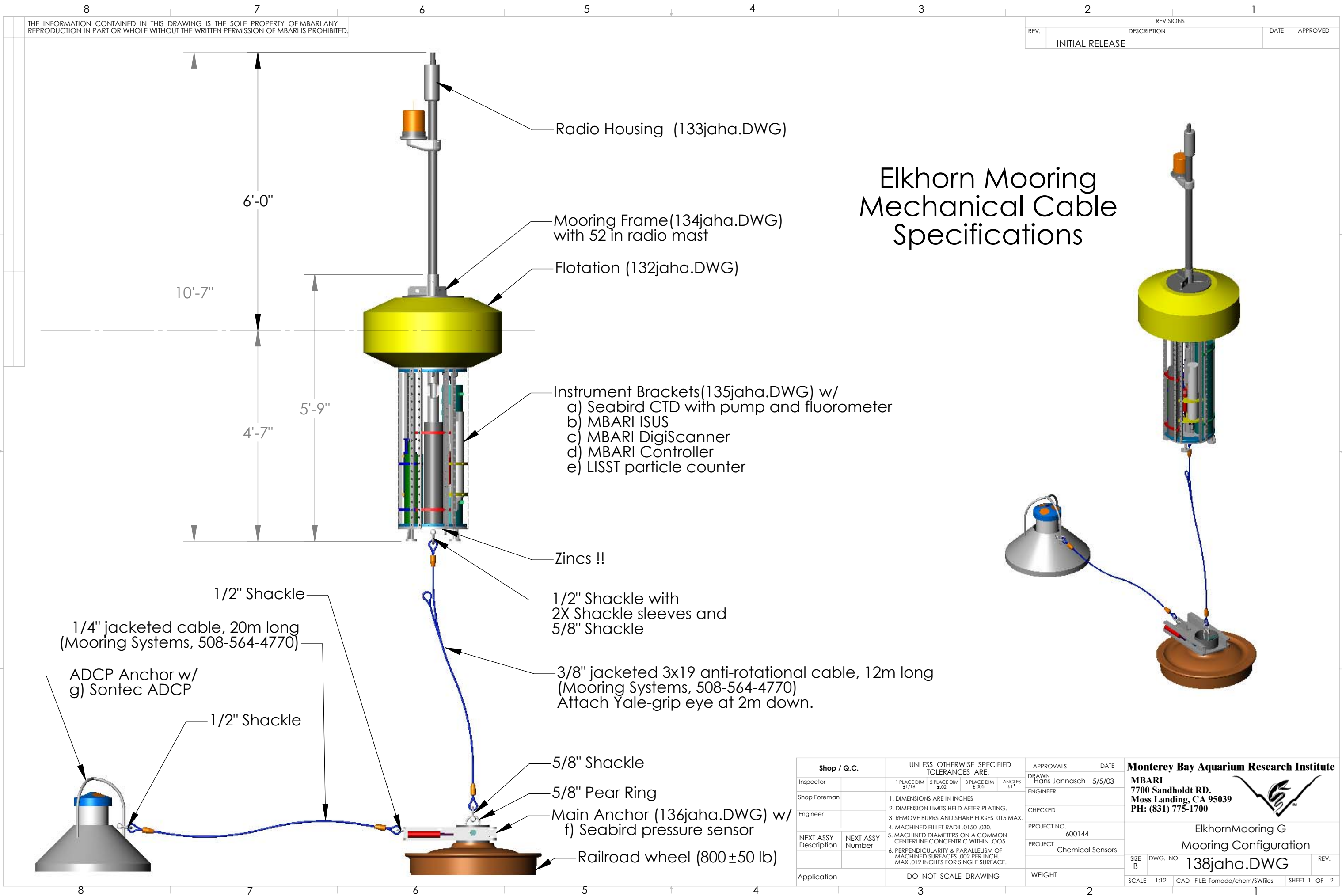




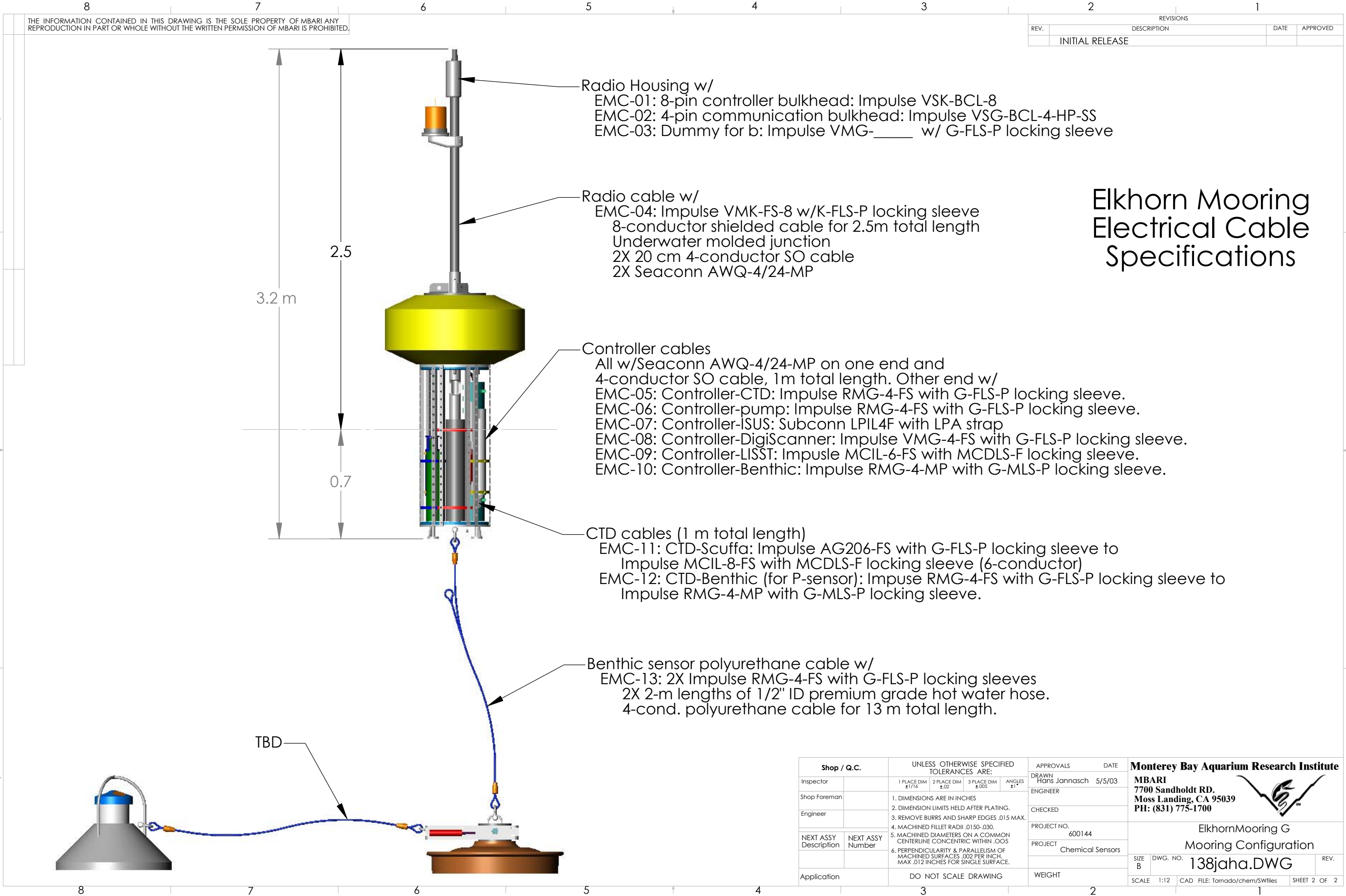
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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE		

Elkhorn Mooring Mechanical Cable Specifications

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 Hans Jannasch	5/5/03			
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				
Engineer						CHECKED				
NEXT ASSY Description	NEXT ASSY Number					PROJECT NO. 600144	Elkhorn Mooring G Mooring Configuration			
						PROJECT Chemical Sensors				
							SIZE B DWG. NO. 138jaha.DWG REV.			
Application		DO NOT SCALE DRAWING				WEIGHT		SCALE 1:12 CAD FILE: Tornado/chem/SWfiles SHEET 1 OF 2		

Elkhorn Mooring G
Mooring Configuration
138jaha.DWG



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Elkhorn Mooring Electrical Cable Specifications

Radio Housing w/
EMC-01: 8-pin controller bulkhead: Impulse VSK-BCL-8
EMC-02: 4-pin communication bulkhead: Impulse VSG-BCL-4-HP-SS
EMC-03: Dummy for b: Impulse VMG-_____ w/ G-FLS-P locking sleeve

Radio cable w/
EMC-04: Impulse VMK-FS-8 w/K-FLS-P locking sleeve
8-conductor shielded cable for 2.5m total length
Underwater molded junction
2X 20 cm 4-conductor SO cable
2X Seaconn AWQ-4/24-MP

Controller cables
All w/Seaconn AWQ-4/24-MP on one end and
4-conductor SO cable, 1m total length. Other end w/
EMC-05: Controller-CTD: Impulse RMG-4-FS with G-FLS-P locking sleeve.
EMC-06: Controller-pump: Impulse RMG-4-FS with G-FLS-P locking sleeve.
EMC-07: Controller-ISUS: Subconn LPIL4F with LPA strap
EMC-08: Controller-DigiScanner: Impulse VMG-4-FS with G-FLS-P locking sleeve.
EMC-09: Controller-LISST: Impulse MCIL-6-FS with MCDLS-F locking sleeve.
EMC-10: Controller-Benthic: Impulse RMG-4-MP with G-MLS-P locking sleeve.

CTD cables (1 m total length)
EMC-11: CTD-Scuffa: Impulse AG206-FS with G-FLS-P locking sleeve to
Impulse MCIL-8-FS with MCDLS-F locking sleeve (6-conductor)
EMC-12: CTD-Benthic (for P-sensor): Impulse RMG-4-FS with G-FLS-P locking sleeve to
Impulse RMG-4-MP with G-MLS-P locking sleeve.

Benthic sensor polyurethane cable w/
EMC-13: 2X Impulse RMG-4-FS with G-FLS-P locking sleeves
2X 2-m lengths of 1/2" ID premium grade hot water hose.
4-cond. polyurethane cable for 13 m total length.

TBD

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	Hans Jannasch	5/5/03	MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700			
Shop Foreman		1. DIMENSIONS ARE IN INCHES				ENGINEER						
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING.				CHECKED			Elkhorn Mooring G Mooring Configuration			
NEXT ASSY Description	NEXT ASSY Number	3. REMOVE BURRS AND SHARP EDGES .015 MAX.				PROJECT NO.	600144					
		4. MACHINED FILLET RADII .0150-.030.				PROJECT	Chemical Sensors		SIZE B DWG. NO. 138jaha.DWG REV.			
		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.										
Application		DO NOT SCALE DRAWING				WEIGHT			SCALE 1:12	CAD FILE: Tornado/chem/SWfiles	SHEET 2 OF 2	