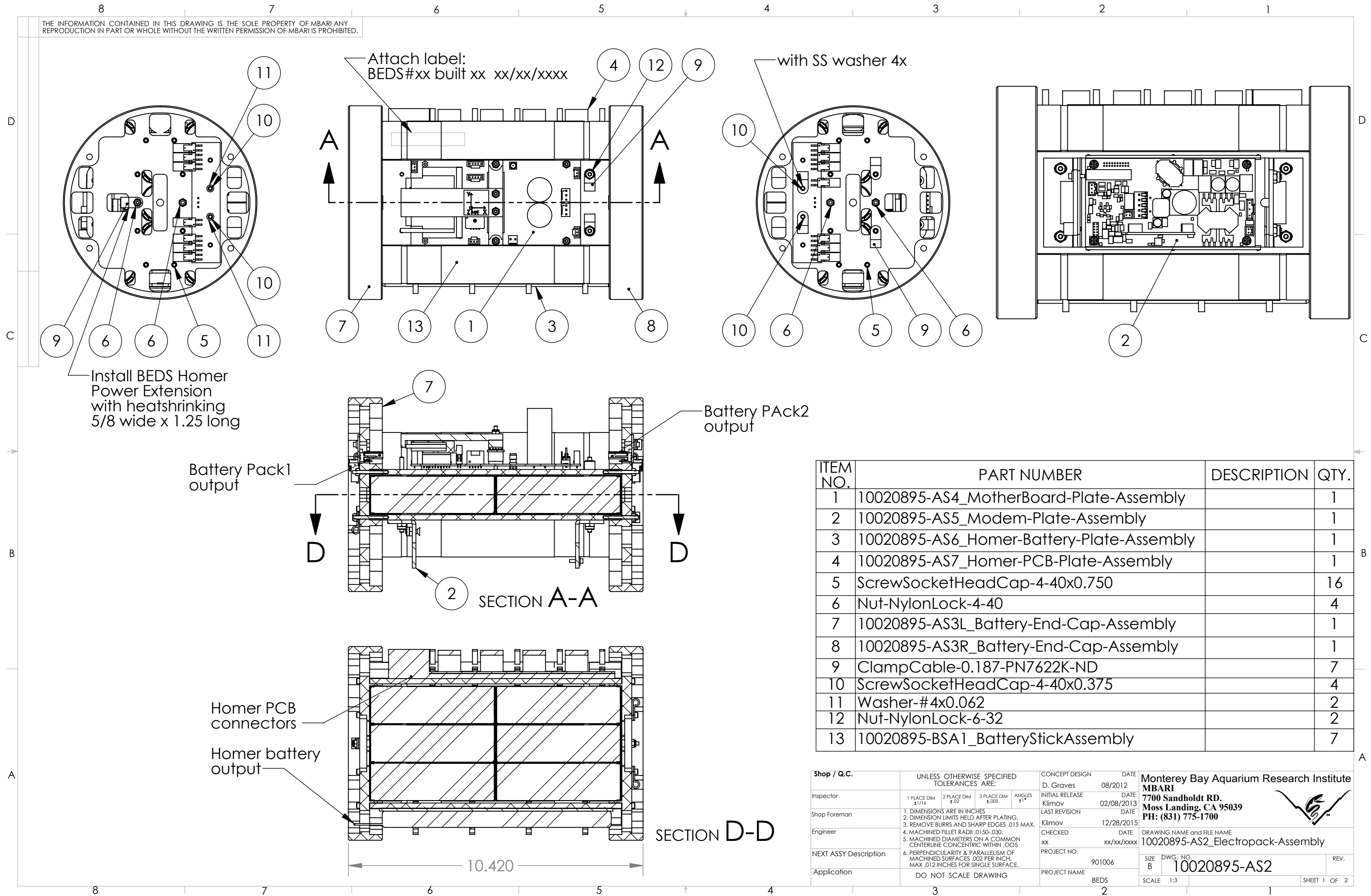


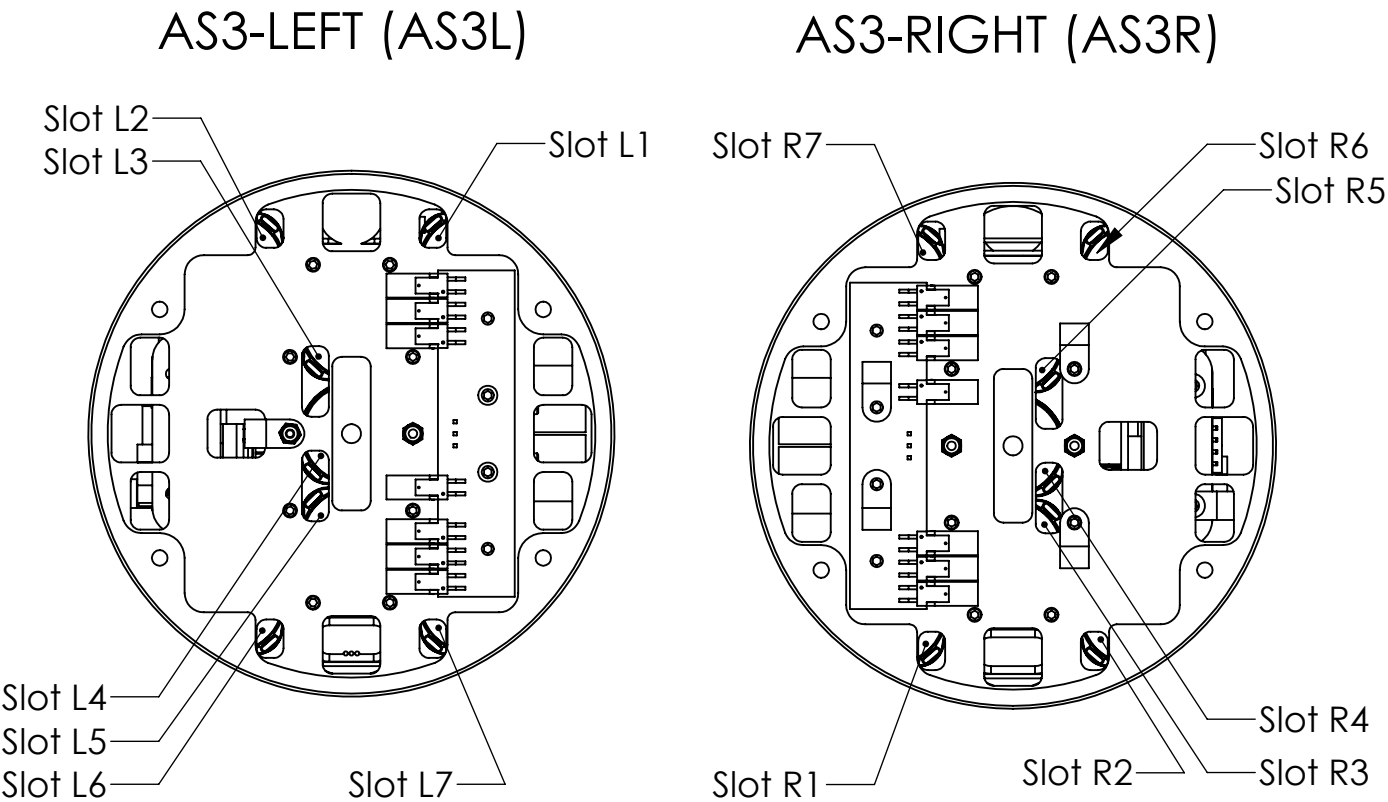
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF MBARI. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF MBARI IS PROHIBITED.



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	10020895-AS4_MotherBoard-Plate-Assembly		1
2	10020895-AS5_Modem-Plate-Assembly		1
3	10020895-AS6_Homer-Battery-Plate-Assembly		1
4	10020895-AS7_Homer-PCB-Plate-Assembly		1
5	ScrewSocketHeadCap-4-40x0.750		16
6	Nut-NylonLock-4-40		4
7	10020895-AS3L_Battery-End-Cap-Assembly		1
8	10020895-AS3R_Battery-End-Cap-Assembly		1
9	ClampCable-0.187-PN7622K-ND		7
10	ScrewSocketHeadCap-4-40x0.375		4
11	Washer-#4x0.062		2
12	Nut-NylonLock-6-32		2
13	10020895-BSA1_BatteryStickAssembly		7

Shop / Q.C.	UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:	CONCEPT DESIGN D. Graves 08/2012	DATE 08/2012	Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700
Inspector Klimov	1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	4 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.	INITIAL RELEASE Klimov 02/08/2013	DATE 12/28/2015
Engineer			CHECKED xx	DATE xx/xx/xxxx
NEXT ASSY Description			PROJECT NO. 901006	DRAWING NAME AND FILE NAME 10020895-AS2_Electropack-Assembly
Application	DO NOT SCALE DRAWING		PROJECT NAME BEDS	SIZE B
			SCALE 1:3	DWG. NO. 10020895-AS2
				REV.
				SHEET 1 OF 2

Battery Slot Allocation and Recording



Slot #	Model	Part#	Voltage	Batch#	SN#	Conn
Slot L1						
Slot L2						
Slot L3						
Slot L4						
Slot L5						
Slot L6						
Slot L7						
Slot R7						
Slot R6						
Slot R5						
Slot R4						
Slot R3						
Slot R2						
Slot R1						

Checklist: Battery Sticks Recording Sequence

- 1. Verify all Battery Sticks have the same model and part#; write down
- 2. Check voltage on each side of stick, if both within specs, write down
- 3. Mark stick sides with Lx and Rx numbers respectively
- 4. Write down batch number and Serial Number of cells into table

Checklist: Assembly Sequence

- 1. Identify assemblies "-AS3 LEFT", and "-AS3 RIGHT"
- 2. Install assml -AS4, 5, 6, 7 into -AS3L, fix with 4-40 Nylon Insert Nuts on 4-40 studs, 6in-lb 2x; and 4-40x3/4 SHS, 6 in-lb 8x, 2 rounds
- 3. Position -AS3 LEFT Assembly on BEDS Stand Pipe
- 4. Populate with battery sticks, positioning to corresponding "Slot Lx" battery slots
- 5. Make sure Batery Sticks oriented at 45 deg so output harnesses pass -AS3 LEFT Assembly without interference
- 6. Install (if necessary) shims on the edge of aluminum plates (6 places)
- 7. Install -AS3R Assembly and fix with with 4-40 Nylon Insert Nuts on 4-40 studs; 6 in-lb, 2x; and 4-40x3/4 SHS, 6 in-lb 8x, 2 rounds
- 8. Plug Battery Stick connectors into corresponding connectors J1...J7 on BCB board according to slot number
- 9. Verify voltage on Test Points and record: Voltage AS3L: Voltage AS3R:
- 10. Verify overall length of the assembly at 4 quadrants
- 11. Install BEDS Homer Power Extension
- 12. Re-torque screws to specified torque

Built Date: Built by: AS2 SN

Shop / Q.C.	UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				CONCEPT DESIGN		DATE		Monterey Bay Aquarium Research Institute					
Inspector	1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	ref sheet 1	ref sheet 1	DATE		MBARI					
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.				LAST REVISION	ref sheet 1	DATE		7700 Sandholdt RD.					
Engineer					ref sheet 1	ref sheet 1	Moss Landing, CA 95039							
NEXT ASSY Description					ref sheet 1	ref sheet 1	PH: (831) 775-1700							
Application					ref sheet 1	ref sheet 1								
					ref sheet 1	ref sheet 1								
					CHECKED		DATE		DRAWING NAME and FILE NAME					
					PROJECT NO.		ref sheet 1		10020895-AS2_Electropack-Assembly					
									SIZE B		DWG. NO. ref sheet 1		REV.	
					PROJECT NAME		ref sheet 1		SCALE 1:2.5		SHEET 2 OF 2			