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87654321

REV. DESCRIPTION DATE APPROVED

INITIAL RELEASE

A For 1/2" ref electrodes, +DuraFET clearance 4/21/09 HWJ

ISE Preamp

DuraFET w/connector

Cap adapter

Reference ISE (1/2" OD)

SS-810-1-8ST bored thru

Copper anti-fouling cage and probe guard

Controller/logger

Battery holder w/ 4@ Alkaline D-cells

Calibration cell Filled w/housing horizontal Drained by rolling housing

Parts modified for DuraFET housing: #2, #4, and #6. Housing, internal frame and rear endcap are same as ISUS housing.

71@

61@

51@

41@

31@

21@

11@

ITEM NO. QTY PART NO. DESCRIPTION MATERIAL SPECIFICATION

71@ Anti fouling cage 1/8" Copper sheet

61@ Calibration cell Black Delrin

51@ Connector endcap Black Delrin

41@ Sensor endcap Black Delrin

31@ Connector support Al 6061-T6 hard annodized

21@ Sensor support Al 6061-T6 hard annodized

11@ Housing Al 6061-T6 hard annodized

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.

APPROVALS DATE

DRAWN HANS JANNASCH 10/20/08

ENGINEER

CHECKED

PROJECT NO. 900601

PROJECT Chemical Sensors

WEIGHT

DO NOT SCALE DRAWING

SCALE

CAD FILE: TORNADO/CHEM/SWFILES

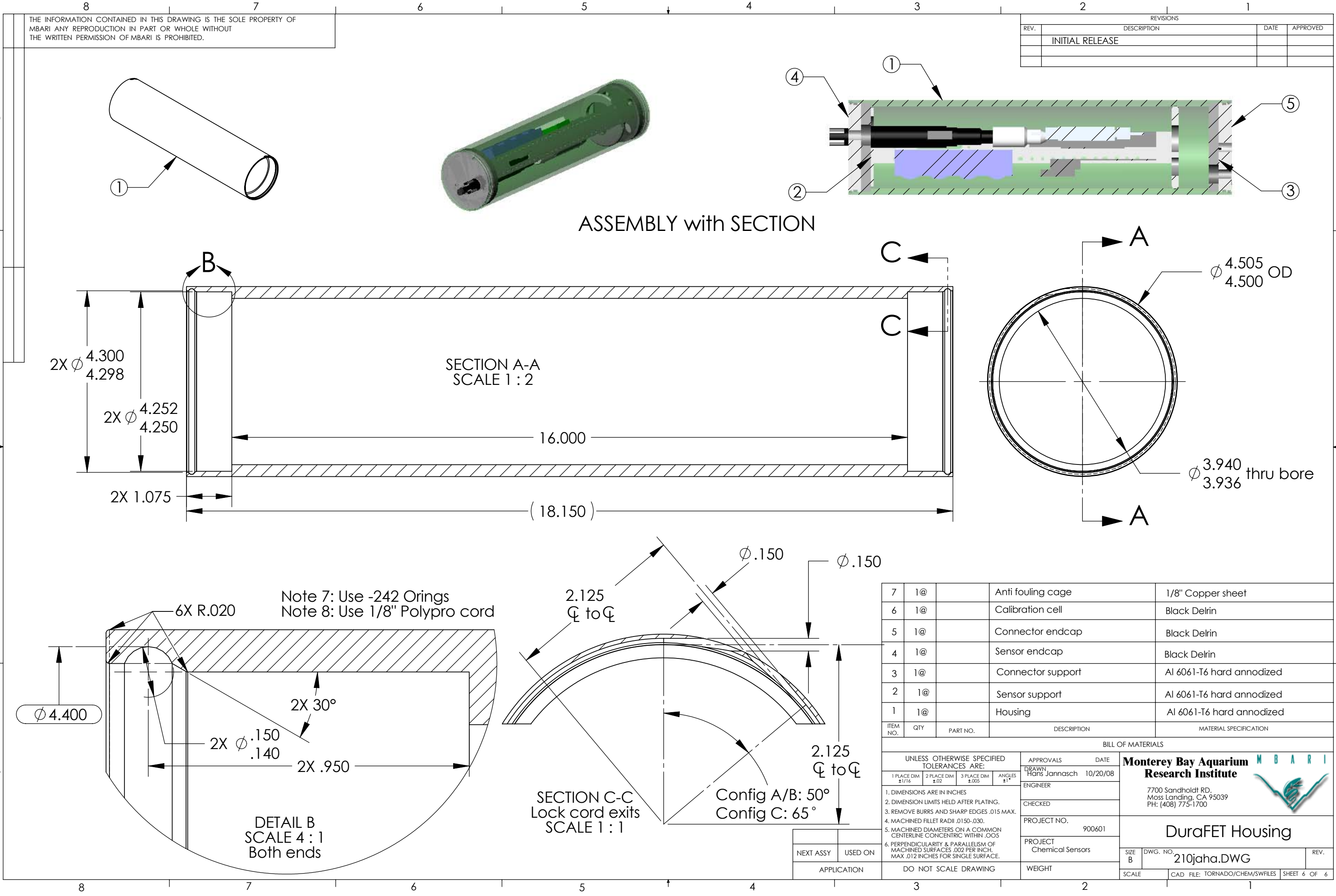
SHEET 6 OF 6

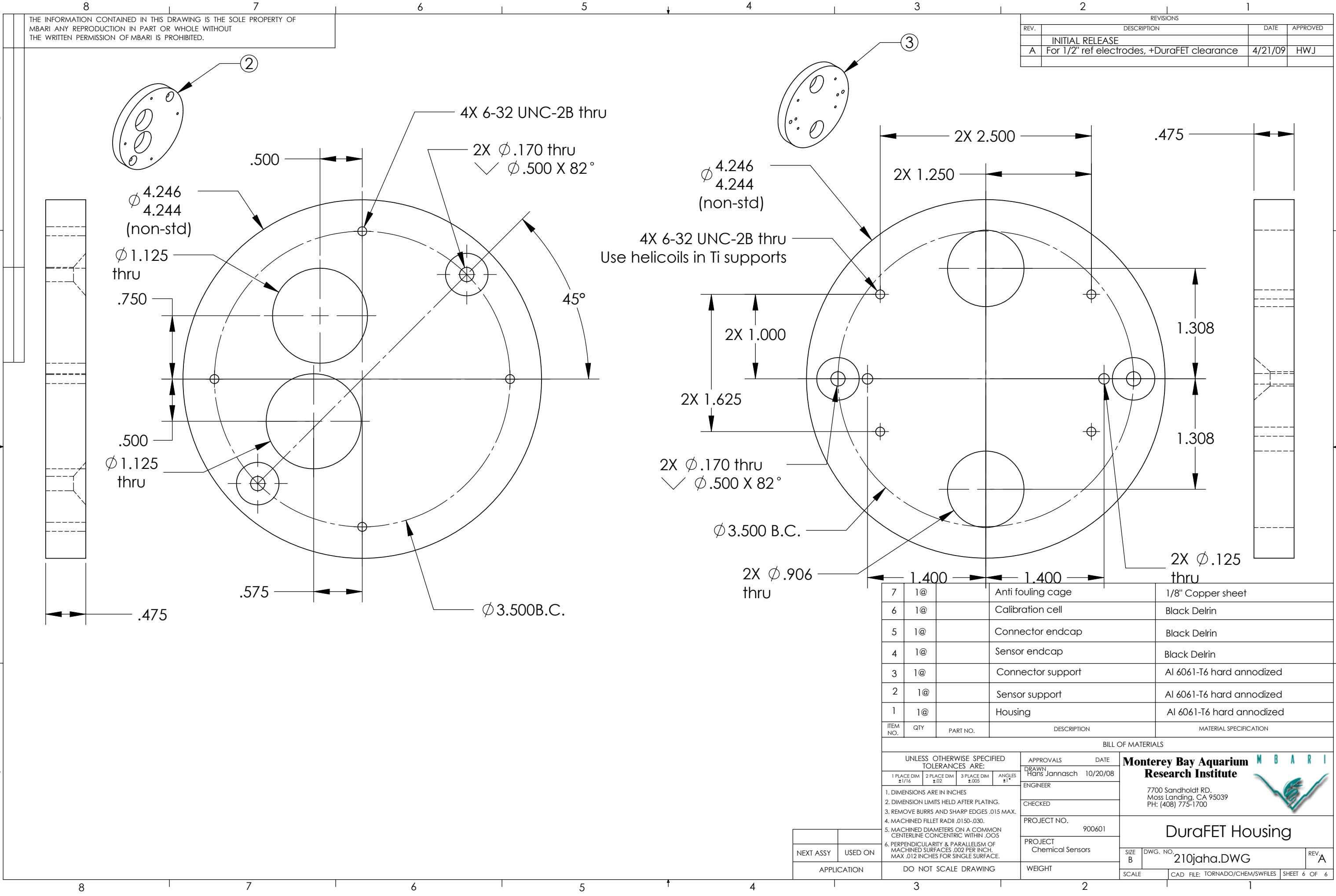
SIZE B DWG. NO. 210jaha.DWG REV A

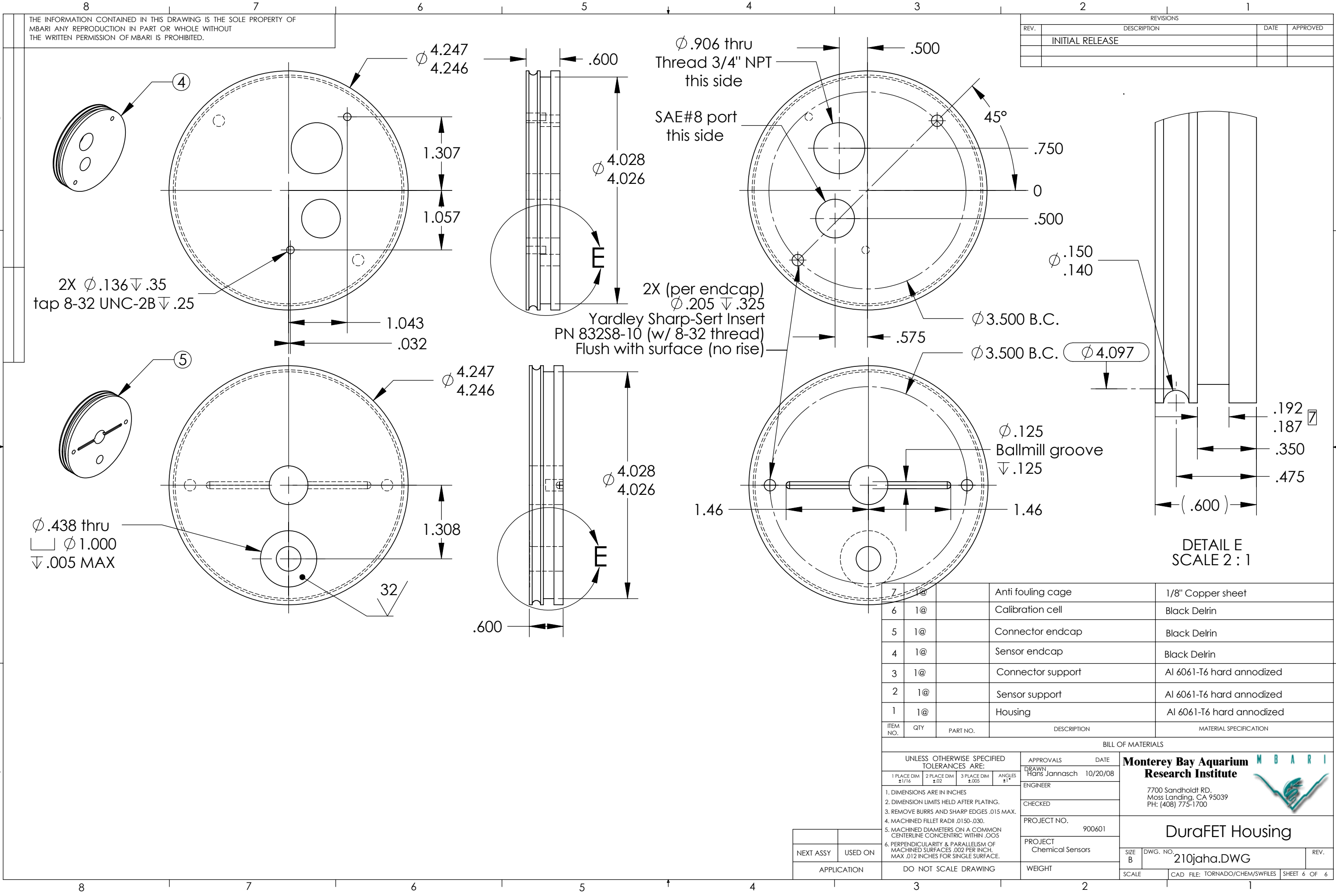
Monterey Bay Aquarium Research Institute

7700 Sandholdt RD. Moss Landing, CA 95039 PH: (408) 775-1700

DuraFET Housing







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2X $\phi .136 \nabla .35$
tap 8-32 UNC-2B $\nabla .25$

$\phi .438$ thru
 $\square \phi 1.000$
 $\nabla .005$ MAX

$\phi .906$ thru
Thread 3/4" NPT
this side

SAE#8 port
this side

2X (per endcap)
 $\phi .205 \nabla .325$
Yardley Sharp-Sert Insert
PN 832S8-10 (w/ 8-32 thread)
Flush with surface (no rise)

$\phi 3.500$ B.C.

$\phi 3.500$ B.C.

$\phi .125$
Ballmill groove
 $\nabla .125$

DETAIL E
SCALE 2 : 1

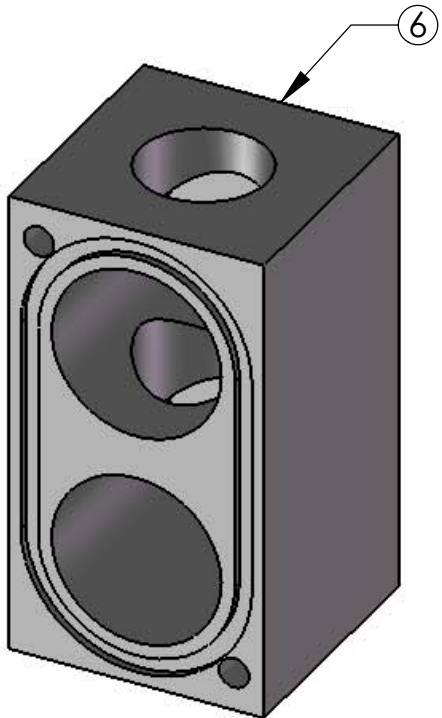
ITEM NO.	QTY	PART NO.	DESCRIPTION	MATERIAL SPECIFICATION
7	1@		Anti fouling cage	1/8" Copper sheet
6	1@		Calibration cell	Black Delrin
5	1@		Connector endcap	Black Delrin
4	1@		Sensor endcap	Black Delrin
3	1@		Connector support	Al 6061-T6 hard annodized
2	1@		Sensor support	Al 6061-T6 hard annodized
1	1@		Housing	Al 6061-T6 hard annodized

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE	Monterey Bay Aquarium Research Institute	
1 PLACE DIM $\pm 1/16$	2 PLACE DIM $\pm .02$	3 PLACE DIM $\pm .005$	ANGLES $\pm 1^\circ$	DRAWN	Hans Jannasch	10/20/08	7700 Sandholdt RD. Moss Landing, CA 95039 PH: (408) 775-1700	
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				CHECKED			DuraFET Housing	
				PROJECT NO.	900601			
				PROJECT	Chemical Sensors		SIZE B	DWG. NO. 210jaha.DWG
				WEIGHT			SCALE	CAD FILE: TORNADO/CHEM/SWFILES

NEXT ASSY	USED ON
APPLICATION	DO NOT SCALE DRAWING

REV.	
SCALE	SHEET 6 OF 6

REVISIONS			
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DO NOT SCALE DRAWING				WEIGHT		SIZE B DWG. NO. 210jaha.DWG SCALE	REV. CAD FILE: TORNADO/CHEM/SWFILES SHEET 6 OF 6

Monterey Bay Aquarium
Research Institute

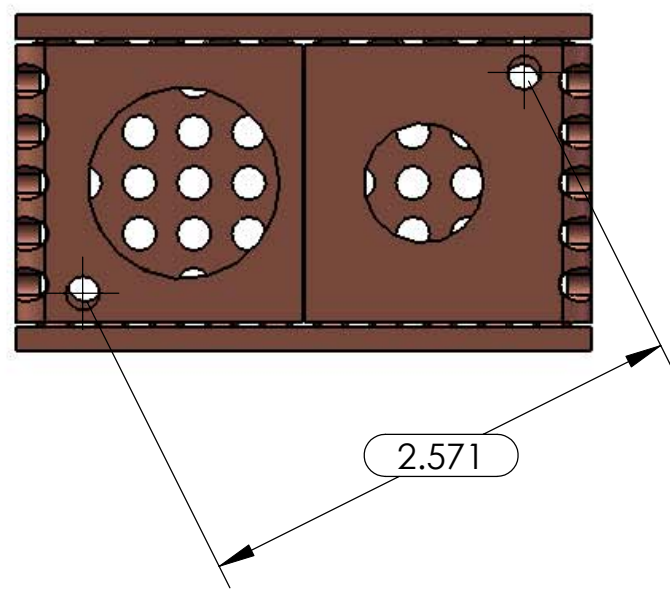
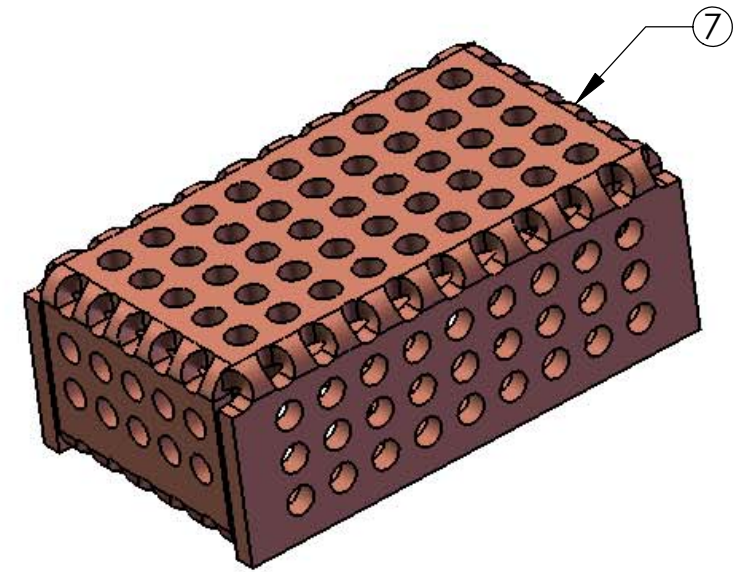
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Moss Landing, CA 95039
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DuraFET Housing

SIZE B	DWG. NO. 210jaha.DWG	REV.
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SCALE	CAD FILE: TORNADO/CHEM/SWFILES	SHEET 6 OF 6
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