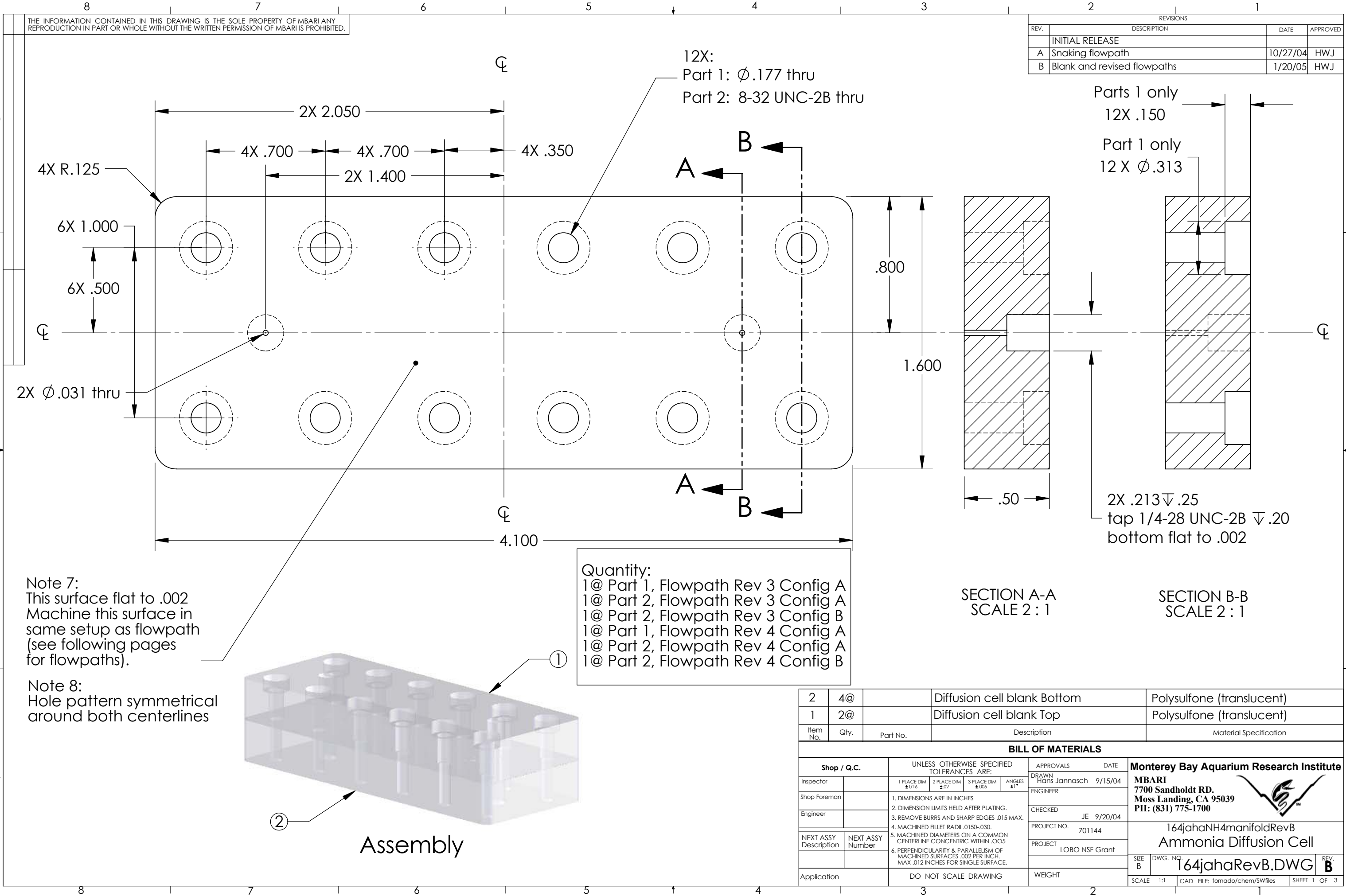
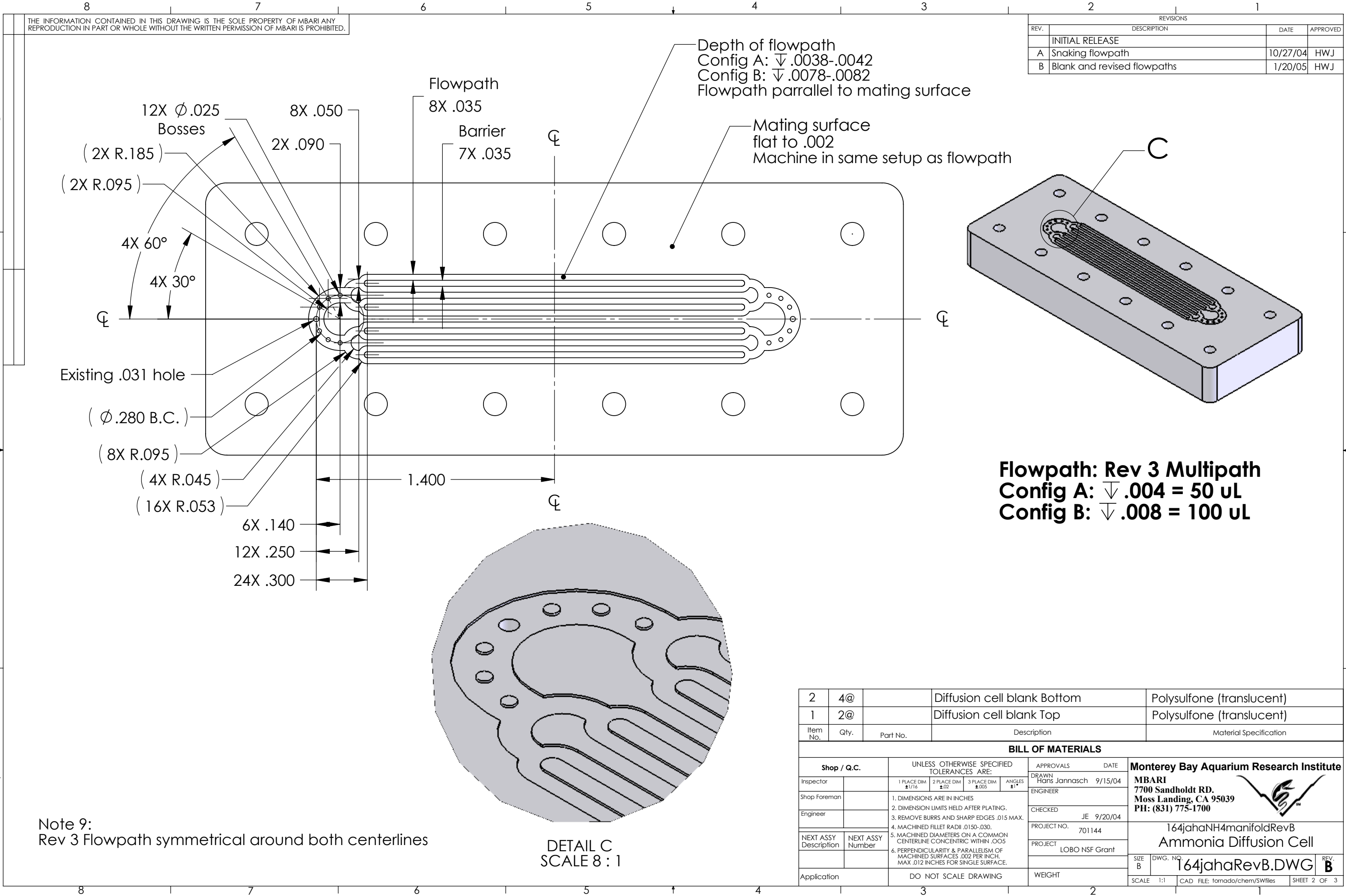






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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE		
A	Snaking flowpath	10/27/04	HWJ
B	Blank and revised flowpaths	1/20/05	HWJ

Flowpath: Rev 3 Multipath
Config A: $\nabla .004 = 50 \text{ uL}$
Config B: $\nabla .008 = 100 \text{ uL}$

2	4@		Diffusion cell blank Bottom	Polysulfone (translucent)
1	2@		Diffusion cell blank Top	Polysulfone (translucent)
Item No.	Qty.	Part No.	Description	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
Shop Foreman		1. DIMENSIONS ARE IN INCHES		
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING.		
		3. REMOVE BURRS AND SHARP EDGES .015 MAX.		
		4. MACHINED FILLET RADII .0150-.030.		
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. 701144		
		PROJECT LOBO NSF Grant		
		164jahaNH4manifoldRevB		
		Ammonia Diffusion Cell		
		SIZE B	DWG. NO. 164jahaRevB.DWG	REV. B
Application		DO NOT SCALE DRAWING		WEIGHT
		SCALE 1:1	CAD FILE: tornado/chem/SWfiles	SHEET 2 OF 3

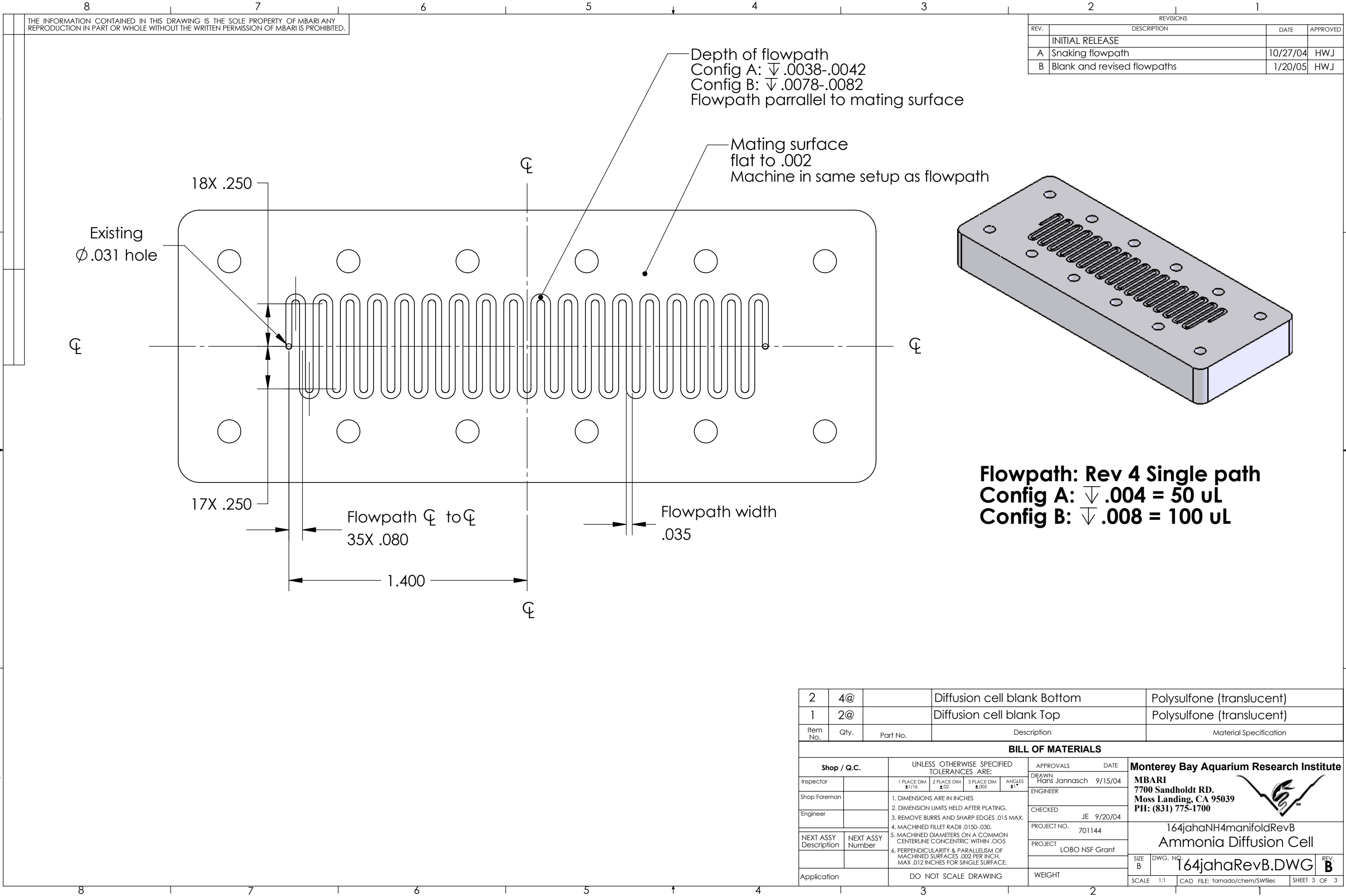
Note 9:
Rev 3 Flowpath symmetrical around both centerlines

DETAIL C
SCALE 8 : 1

Monterey Bay Aquarium Research Institute
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Moss Landing, CA 95039
PH: (831) 775-1700

164jahaNH4manifoldRevB
Ammonia Diffusion Cell

164jahaRevB.DWG
REV B



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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE		
A	Snaking flowpath	10/27/04	HWJ
B	Blank and revised flowpaths	1/20/05	HWJ

Flowpath: Rev 4 Single path
Config A: $\nabla .004 = 50 \text{ uL}$
Config B: $\nabla .008 = 100 \text{ uL}$

2	4@		Diffusion cell blank Bottom	Polysulfone (translucent)	
1	2@		Diffusion cell blank Top	Polysulfone (translucent)	
Item No.	Qty.	Part No.	Description	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	DRAWN Hans Jannasch 9/15/04
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 WITHIN .005 6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.			
Engineer					ANGLES ±1°
		ENGINEER			CHECKED JE 9/20/04
NEXT ASSY Description	NEXT ASSY Number	PROJECT NO.			701144
		PROJECT			LOBO NSF Grant
Application		DO NOT SCALE DRAWING		WEIGHT	
		SCALE 1:1		CAD FILE: tornado/chem/SWfiles	SHEET 3 OF 3

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164jahaNH4manifoldRevB

Ammonia Diffusion Cell

SIZE B

DWG. NO. 164jahaRevB.DWG

REV. B

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164jahaNH4manifoldRevB
Ammonia Diffusion Cell

SIZE B DWG. NO. 164jahaRevB.DWG REV. B