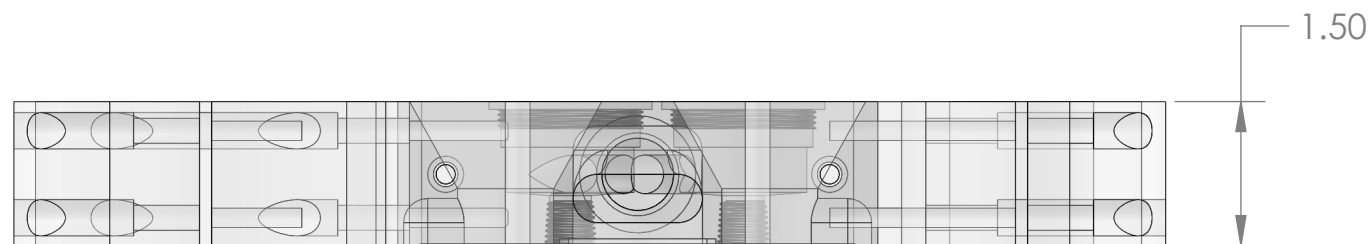
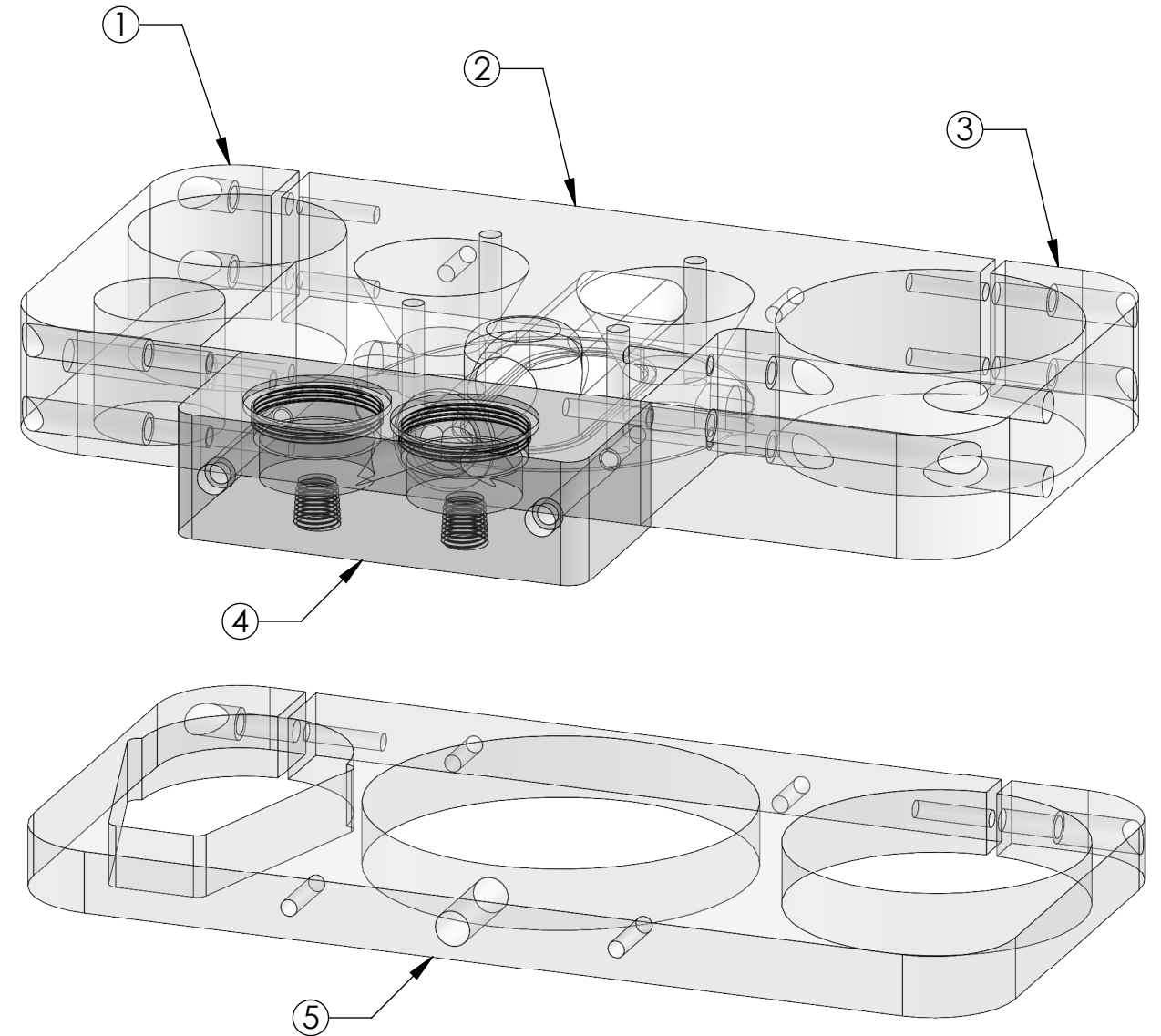
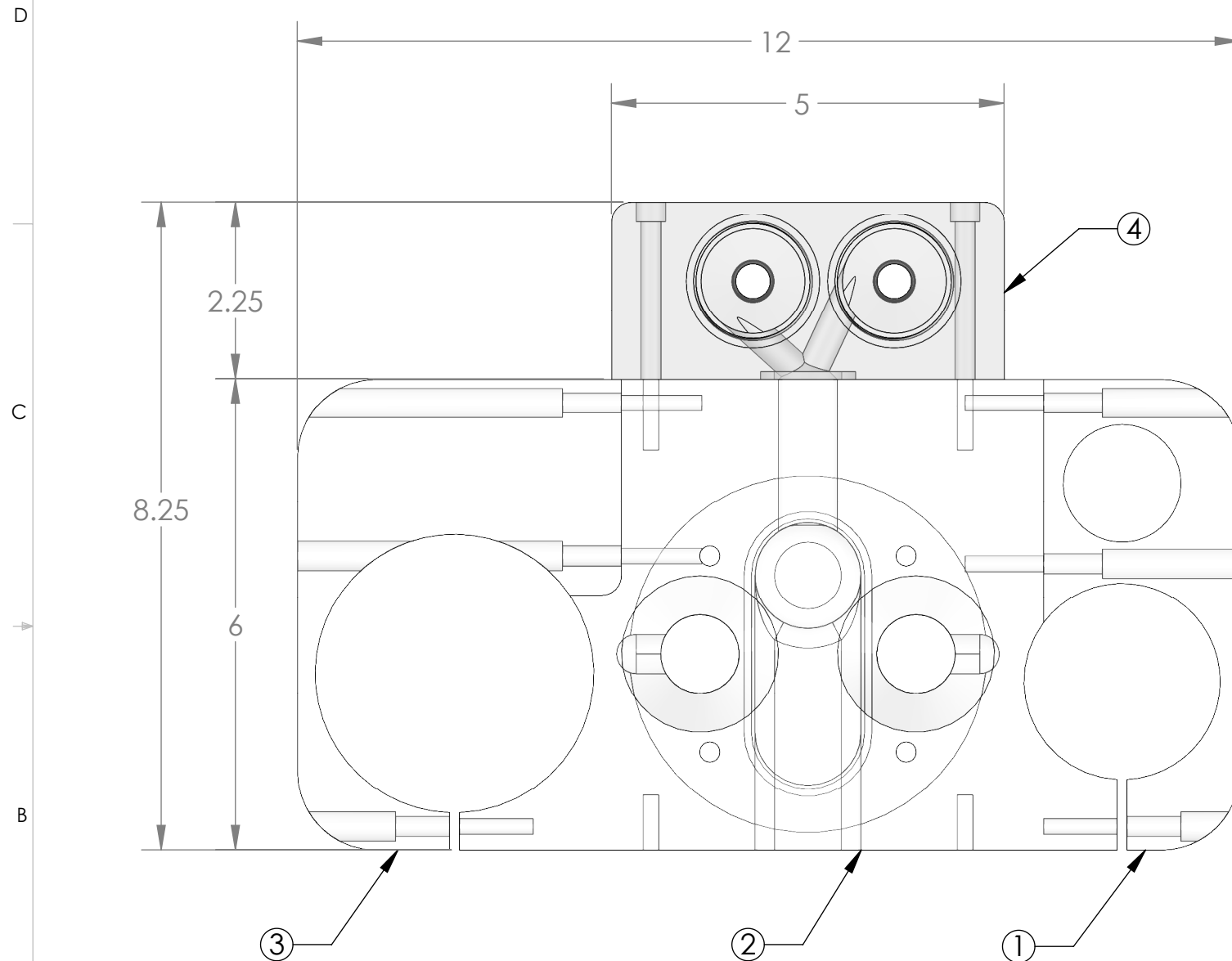


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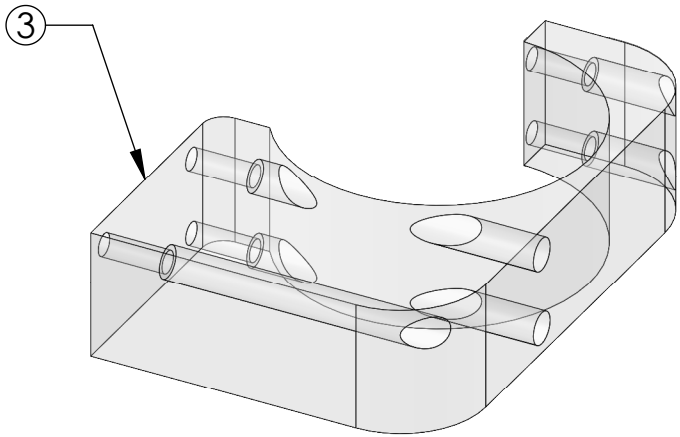
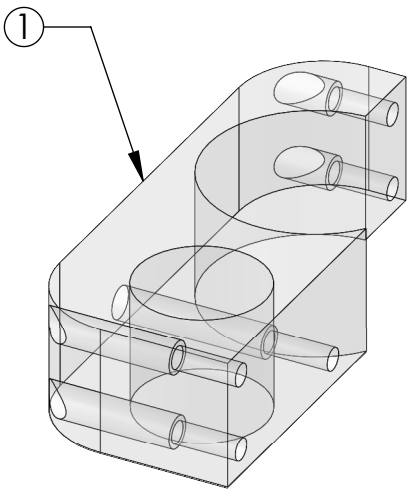
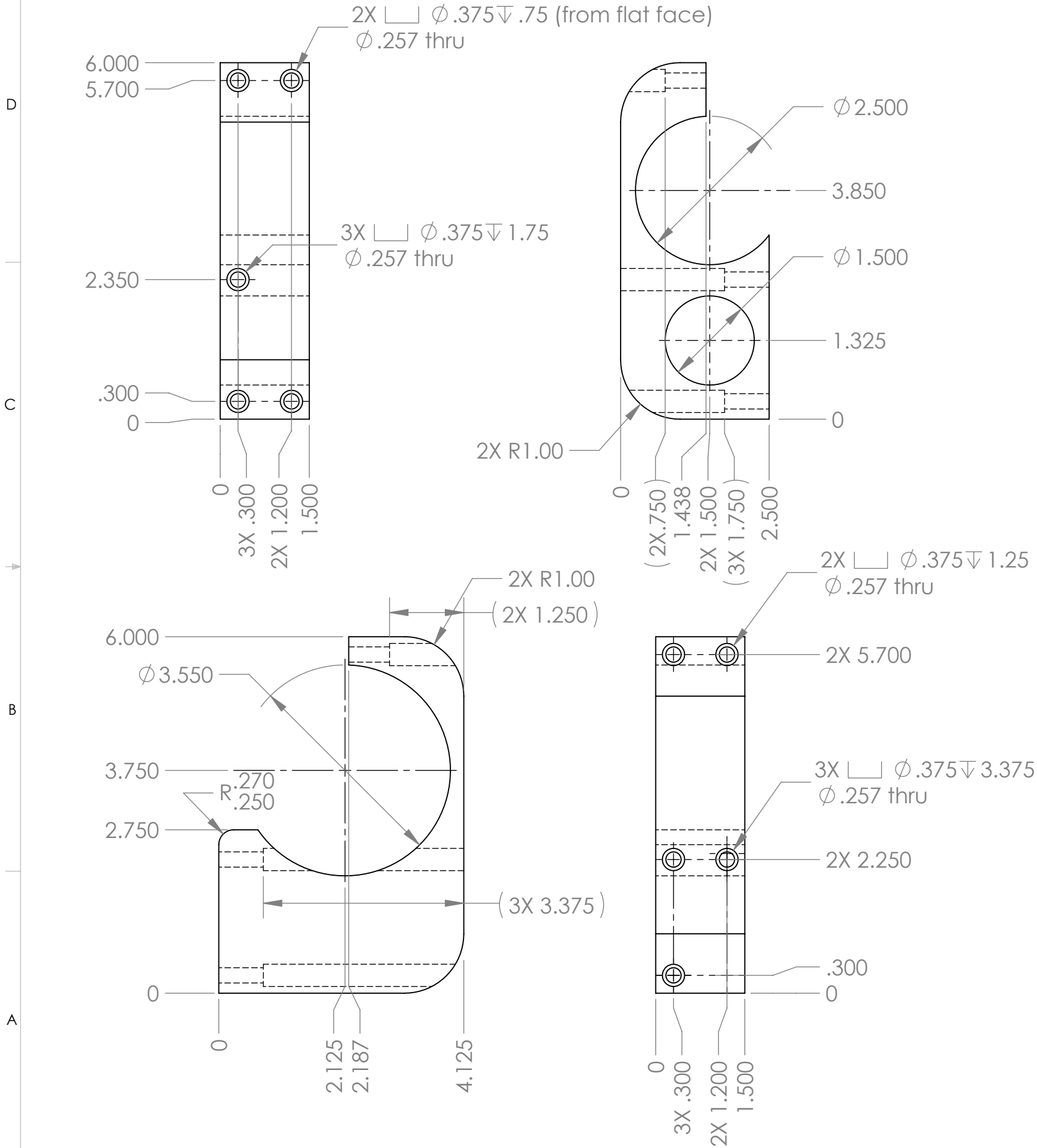


5	1		BEAMS - Bottom	Black Delrin
4	1		BEAMS manifold - Pumps	Black Delrin
3	1		BEAMS manifold - Battery	Black Delrin
2	1		BEAMS manifold - Middle	Black Delrin
1	1		BEAMS manifold - CTD	Black Delrin
Item No.	Qty	Part No.	Description	Material Specification

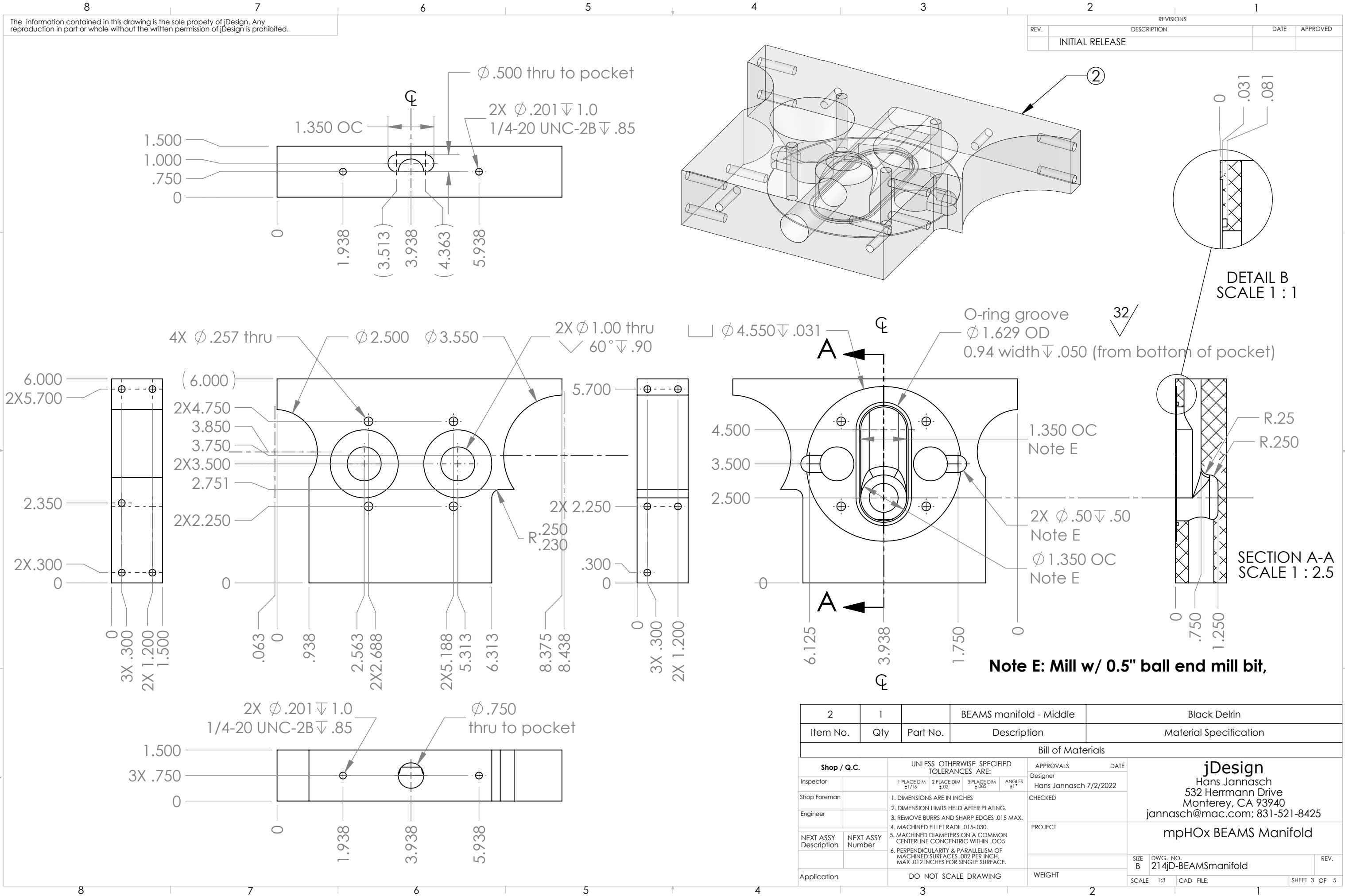
Bill of Materials										
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE		
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	Designer Hans Jannasch 7/2/2022				
Shop Foreman		1. DIMENSIONS ARE IN INCHES 2. DIMENSION LIMITS HELD AFTER PLATING. 3. REMOVE BURRS AND SHARP EDGES .015 MAX. 4. MACHINED FILLET RADII .015-.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.				CHECKED				
Engineer						PROJECT				
NEXT ASSY Description	NEXT ASSY Number					SIZE B		DWG. NO. 214jD-BEAMsmanifold		REV.
Application		DO NOT SCALE DRAWING				WEIGHT		SCALE 1:3 CAD FILE:		SHEET 1 OF 5

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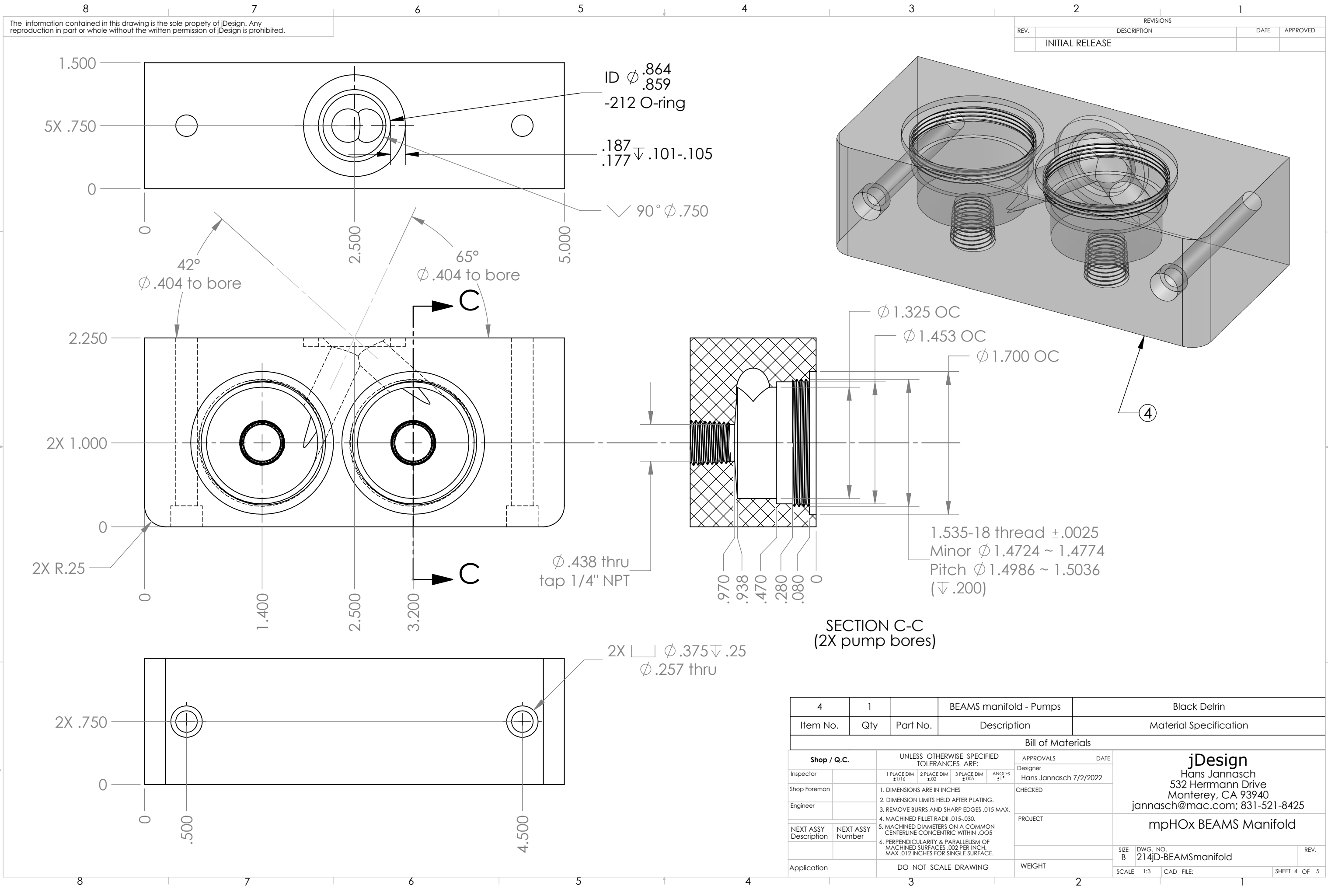
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE		



3	1		BEAMS manifold - Battery	Black Delrin				
1	1		BEAMS manifold - CTD	Black Delrin				
Item No.	Qty	Part No.	Description	Material Specification				
Bill of Materials								
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:		jDesign Hans Jannasch 532 Herrmann Drive Monterey, CA 93940 jannasch@mac.com; 831-521-8425				
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02		3 PLACE DIM ±.005	ANGLES ±1°	APPROVALS DATE Designer Hans Jannasch 7/2/2022	
Shop Foreman		1. DIMENSIONS ARE IN INCHES				CHECKED		
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING.				PROJECT		
		3. REMOVE BURRS AND SHARP EDGES .015 MAX.						
		4. MACHINED FILLET RADII .015-.030.						
NEXT ASSY Description	NEXT ASSY Number	5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005				mpHOx BEAMS Manifold		
		6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.						
Application		DO NOT SCALE DRAWING		WEIGHT				
		3		2		SIZE B	DWG. NO. 214jD-BEAMSmanifold	REV.
						SCALE 1:3	CAD FILE:	SHEET 2 OF 5



2		1	BEAMS manifold - Middle			Black Delrin			
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	ANGLES ±1°	Designer Hans Jannasch 7/2/2022			
Shop Foreman		1. DIMENSIONS ARE IN INCHES				CHECKED			
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING.							
		3. REMOVE BURRS AND SHARP EDGES .015 MAX.							
		4. MACHINED FILLET RADII .015-.030.				PROJECT			
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.							
Application		DO NOT SCALE DRAWING				WEIGHT			
		3				2			
						1			
						jDesign			
						Hans Jannasch			
						532 Herrmann Drive			
						Monterey, CA 93940			
						jannasch@mac.com; 831-521-8425			
						mpHOx BEAMS Manifold			
						SIZE B	DWG. NO. 214jD-BEAMSmanifold	REV.	
						SCALE 1:3	CAD FILE:	SHEET 3 OF 5	



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REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE		

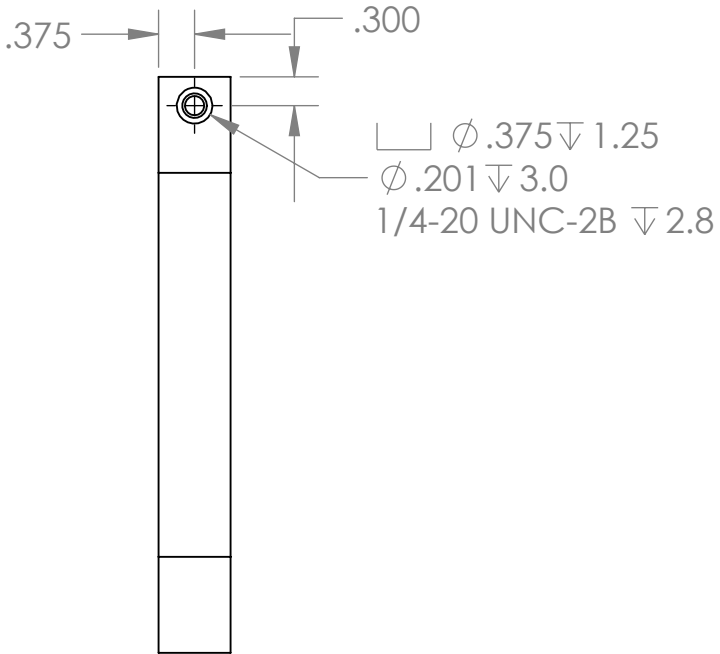
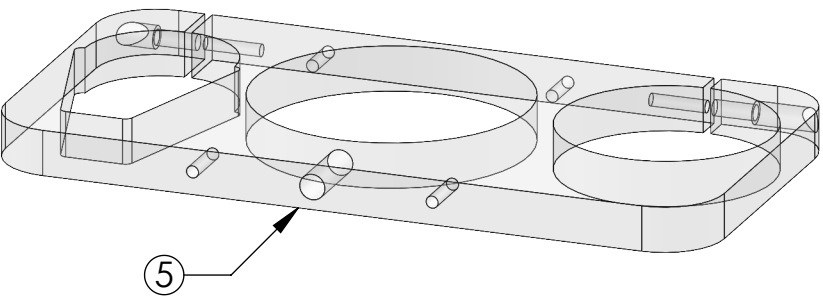
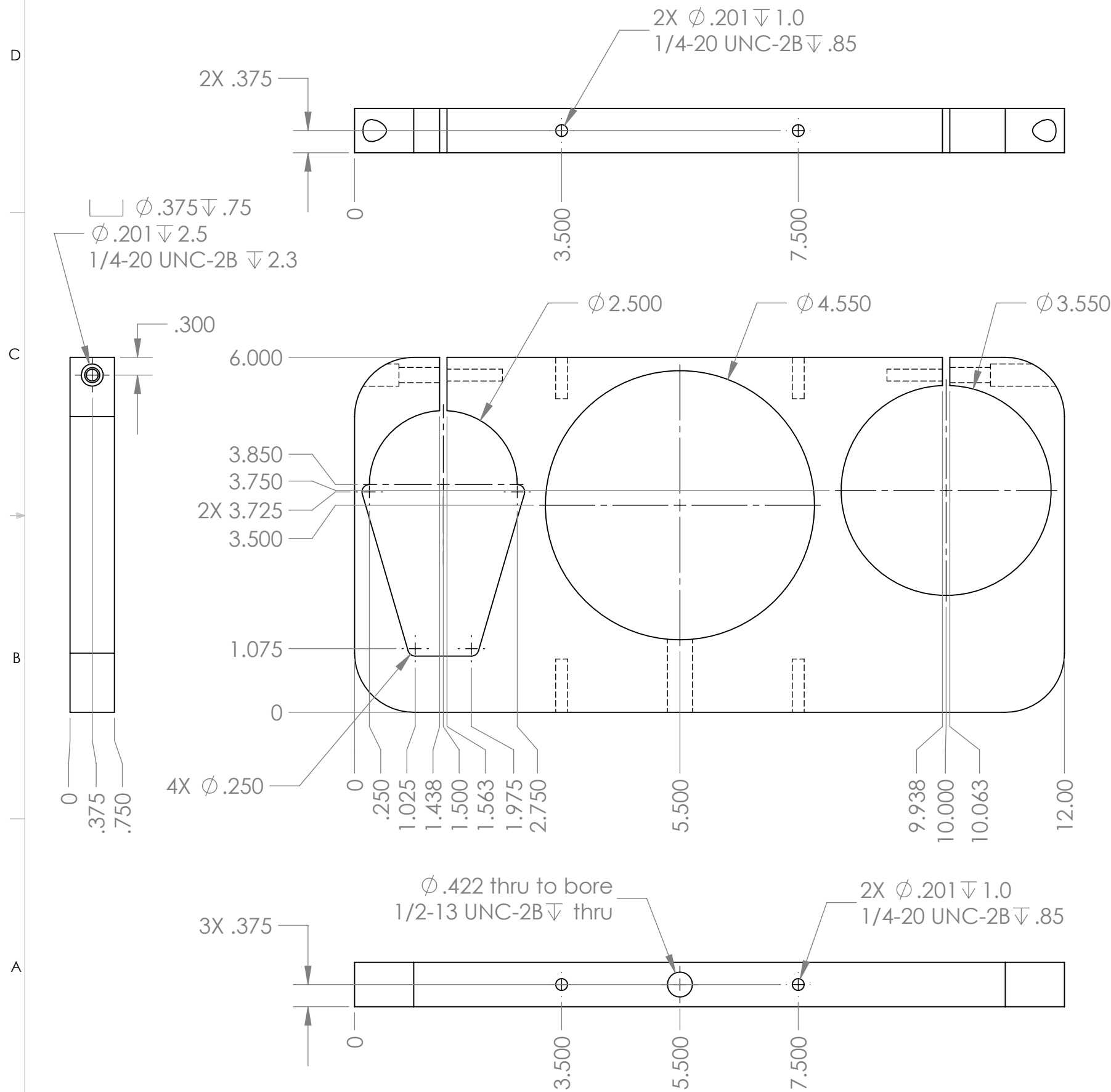
4		1		BEAMS manifold - Pumps			Black Delrin			
Item No.		Qty		Part No.		Description		Material Specification		
Bill of Materials										
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS DATE				
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	Designer Hans Jannasch 7/2/2022				
Shop Foreman		1. DIMENSIONS ARE IN INCHES				CHECKED				
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING.				jDesign Hans Jannasch 532 Herrmann Drive Monterey, CA 93940 jannasch@mac.com; 831-521-8425				
		3. REMOVE BURRS AND SHARP EDGES .015 MAX.								
		4. MACHINED FILLET RADII .015-.030.								
		5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005								
NEXT ASSY Description	NEXT ASSY Number	6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.				PROJECT				
Application		DO NOT SCALE DRAWING				WEIGHT		SIZE B	DWG. NO. 214jD-BEAMSmanifold	REV.
		3				2		SCALE 1:3	CAD FILE:	SHEET 4 OF 5

jDesign
Hans Jannasch
532 Herrmann Drive
Monterey, CA 93940
jannasch@mac.com; 831-521-8425

mpHOx BEAMS Manifold

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5	1		BEAMS - Bottom		Black Delrin			
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	Designer Hans Jannasch 7/2/2022		jDesign Hans Jannasch 532 Herrmann Drive Monterey, CA 93940 jannasch@mac.com; 831-521-8425	
Shop Foreman		1. DIMENSIONS ARE IN INCHES			CHECKED			
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING.			PROJECT			
NEXT ASSY Description	NEXT ASSY Number	3. REMOVE BURRS AND SHARP EDGES .015 MAX. 4. MACHINED FILLET RADII .015-.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.						
Application		DO NOT SCALE DRAWING			WEIGHT		SIZE B DWG. NO. 214jD-BEAMSmanifold REV. SCALE 1:3 CAD FILE: SHEET 5 OF 5	