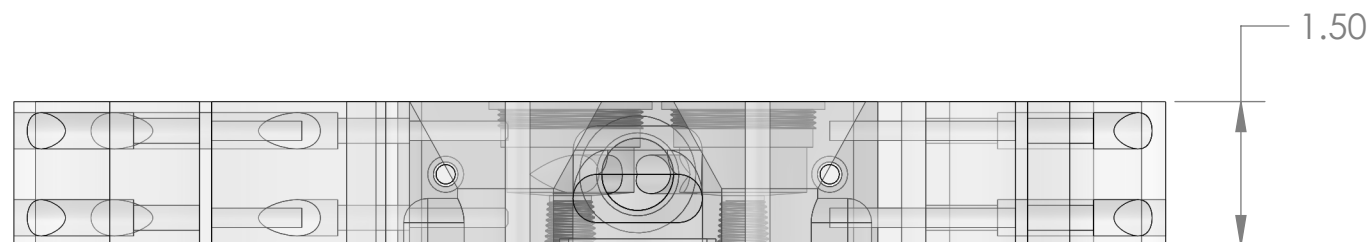
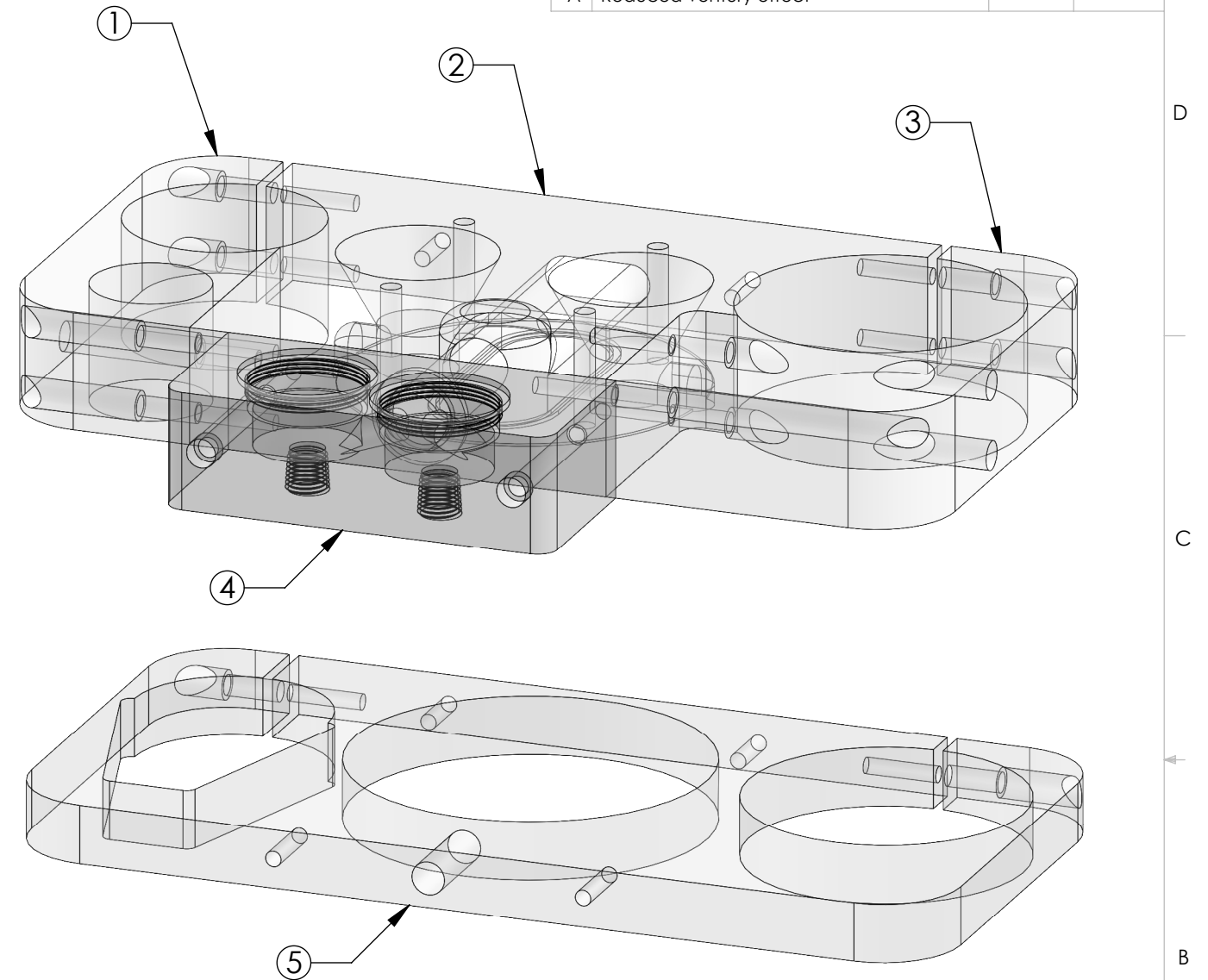
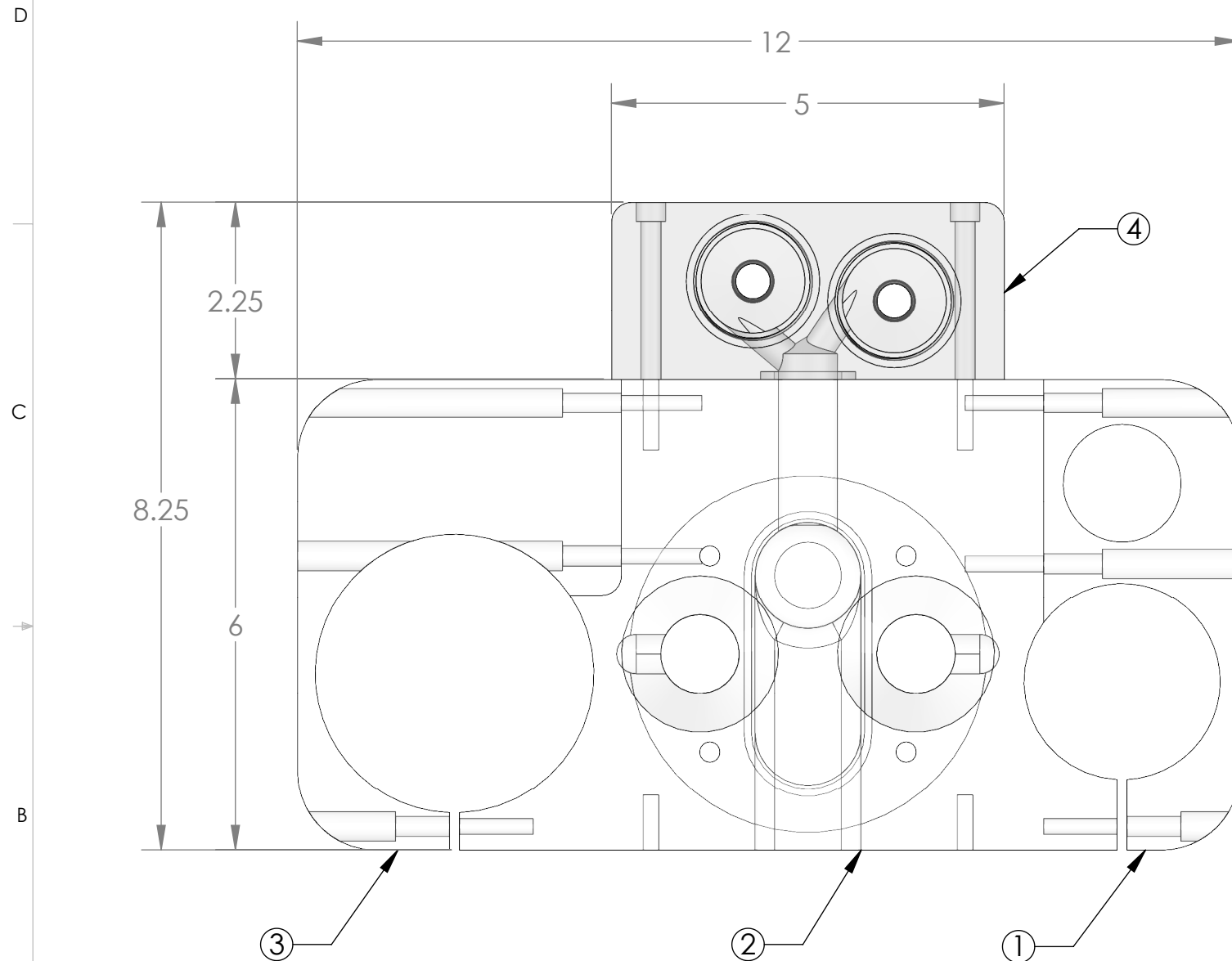


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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE	10/25/22	hwj
A	Reduced ventury effect		

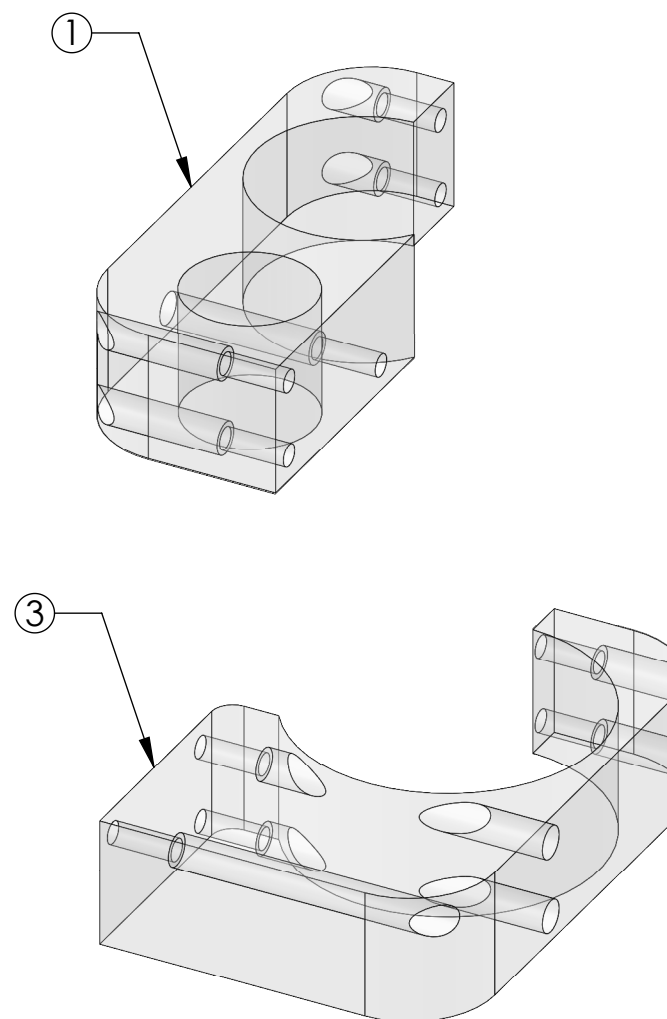
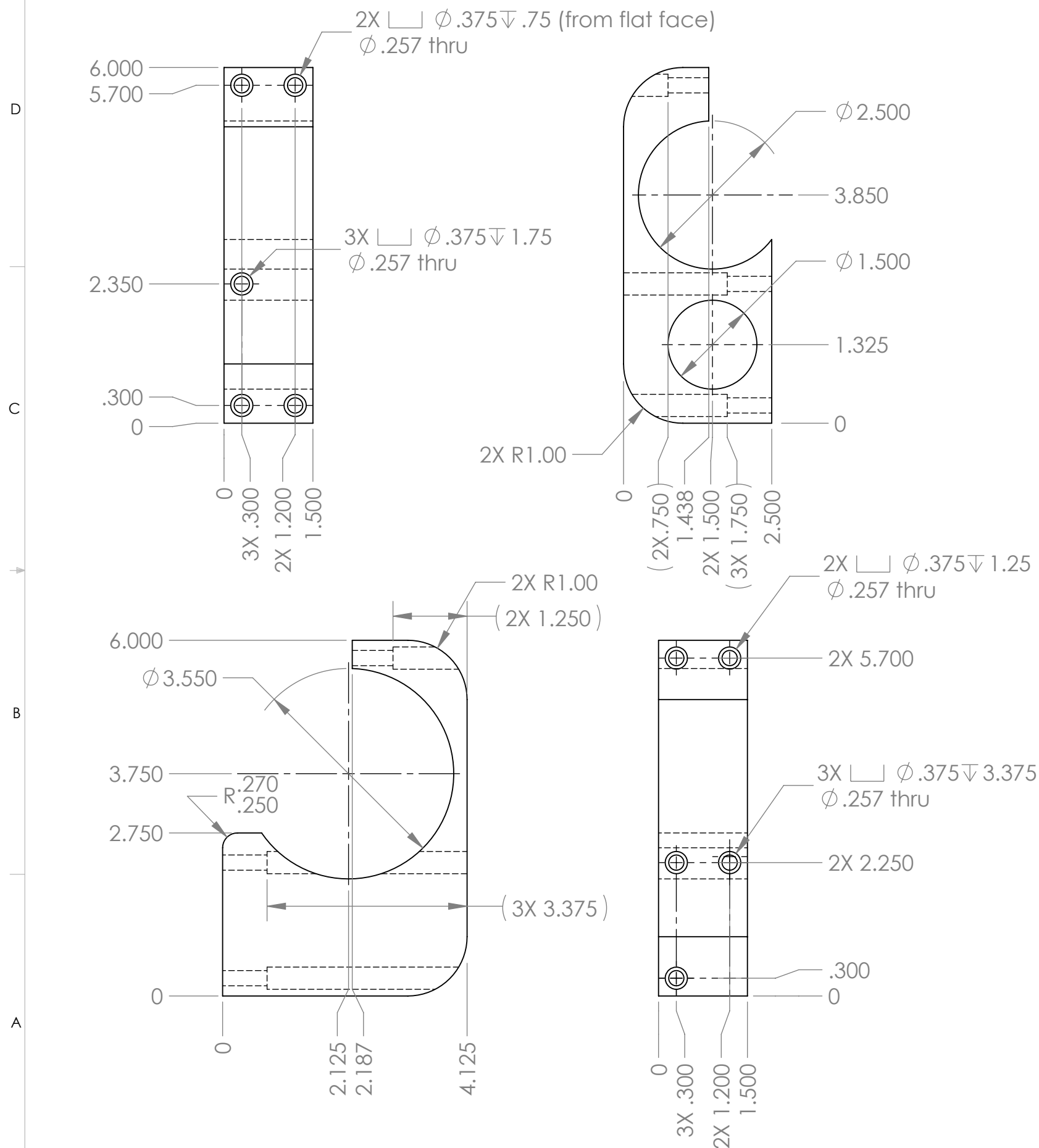


5	1		BEAMS - Bottom	Black Delrin
4	1		BEAMS manifold - Pumps	Black Delrin
3	1		BEAMS manifold - Battery	Black Delrin
2	1		BEAMS manifold - Middle	Black Delrin
1	1		BEAMS manifold - CTD	Black Delrin
Item No.	Qty	Part No.	Description	Material Specification

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.				CHECKED				
Engineer						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.				SIZE B		DWG. NO. 214JD-BEAMSmanifold		REV. A
Application						DO NOT SCALE DRAWING		WEIGHT		SCALE 1:3 CAD FILE:

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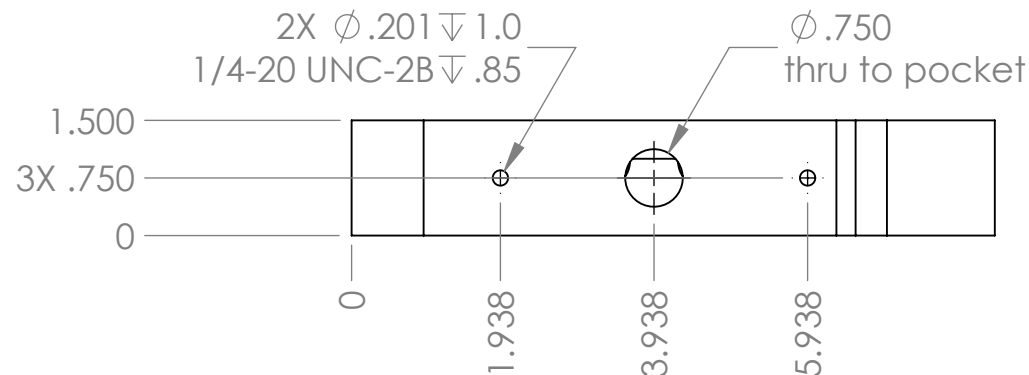
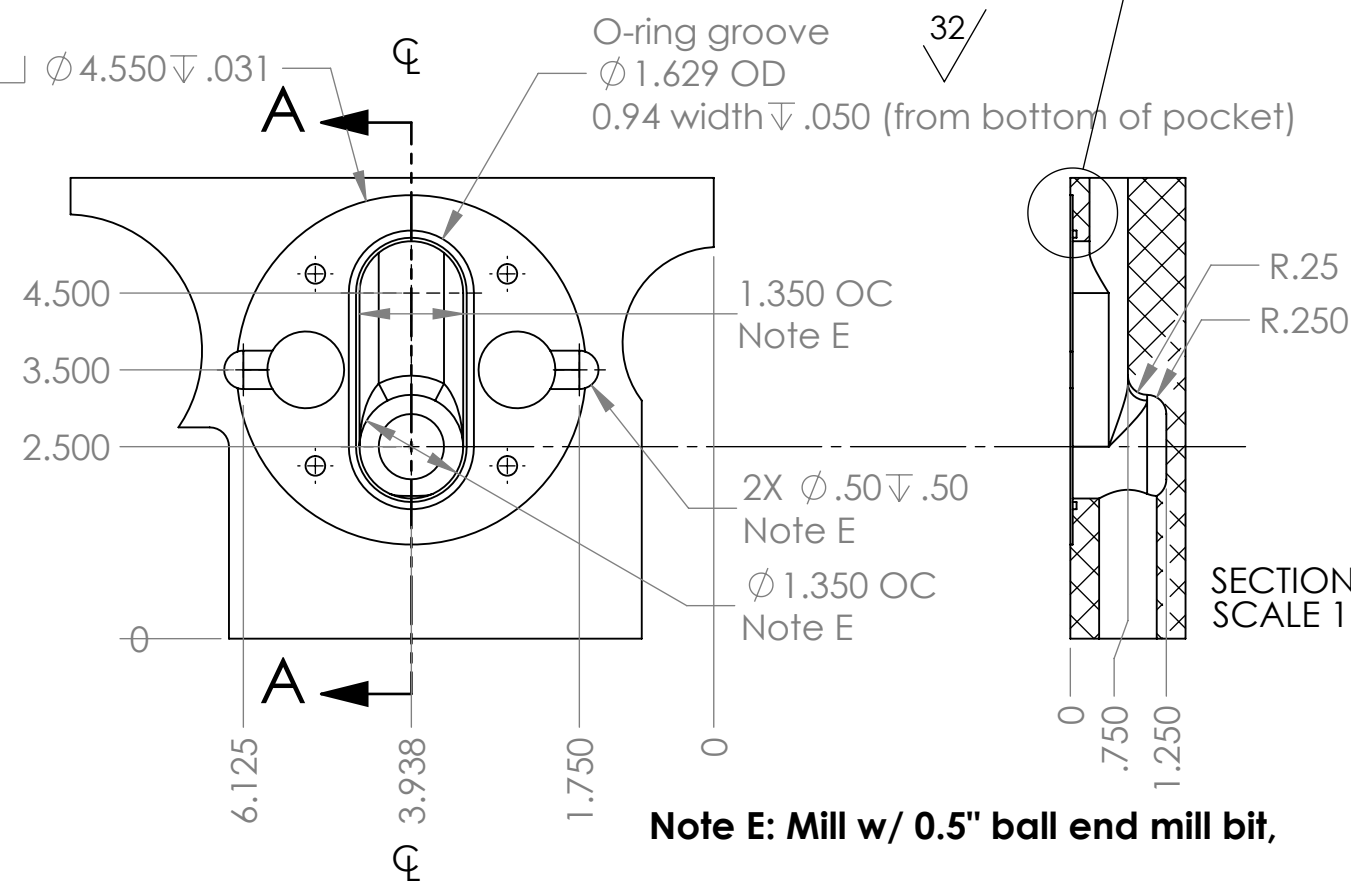
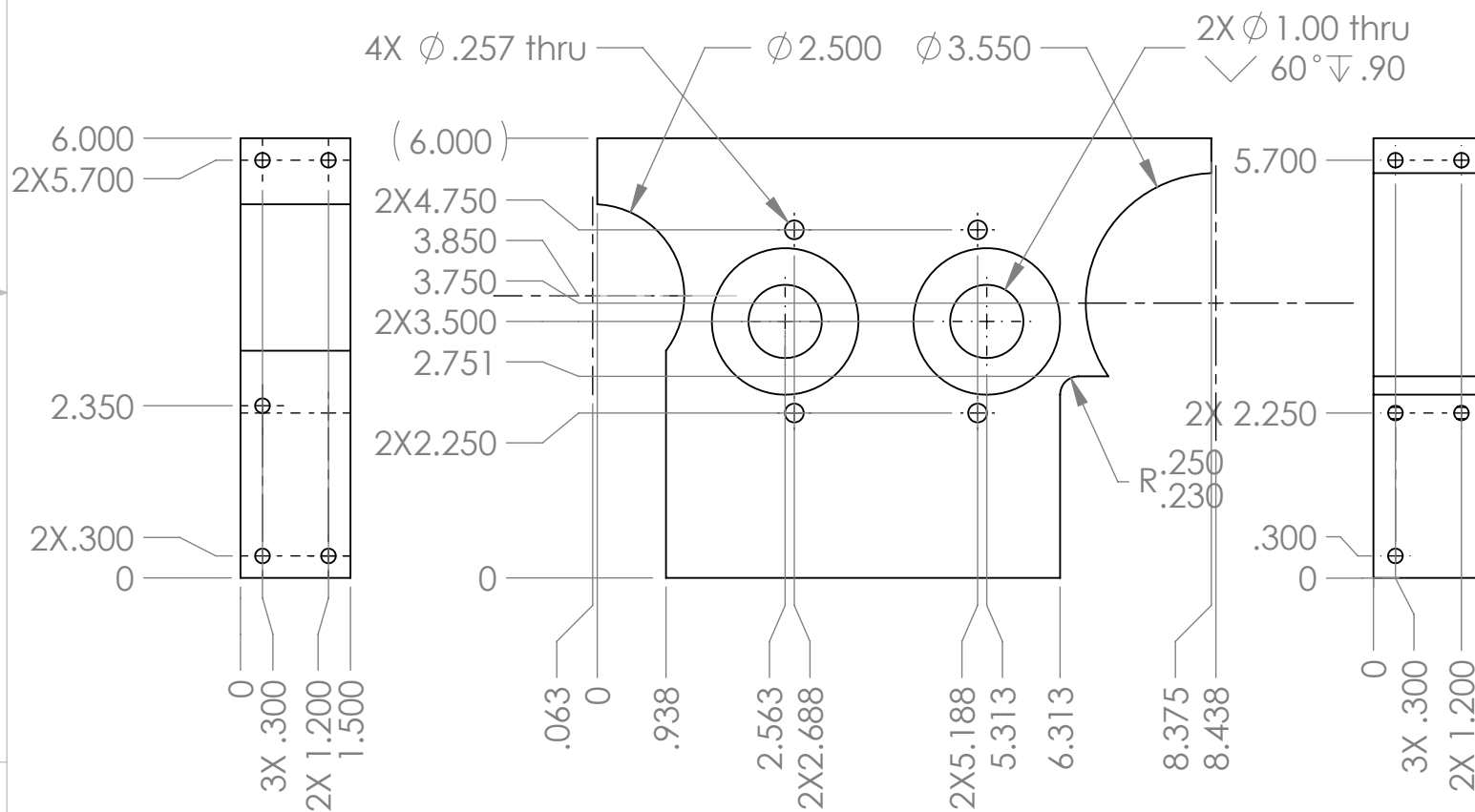
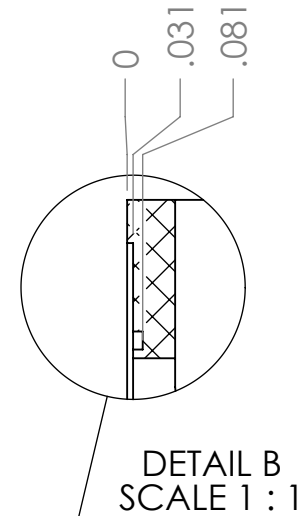
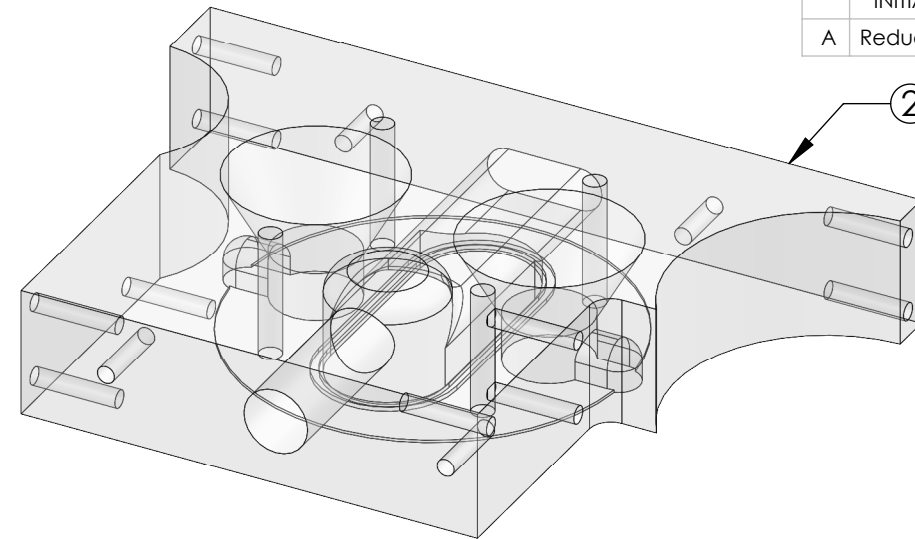
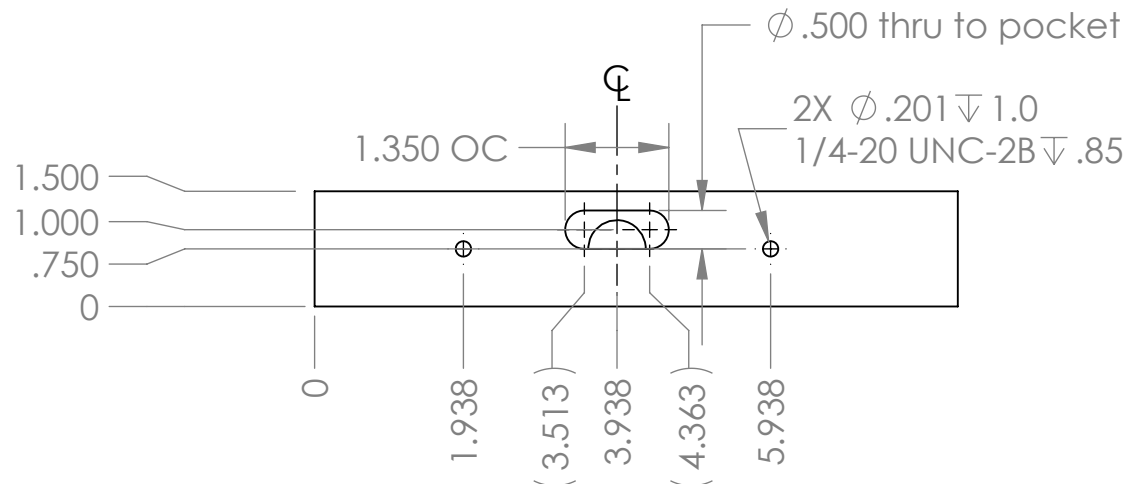
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE	10/25/22	hwj
A	Reduced ventury effect		



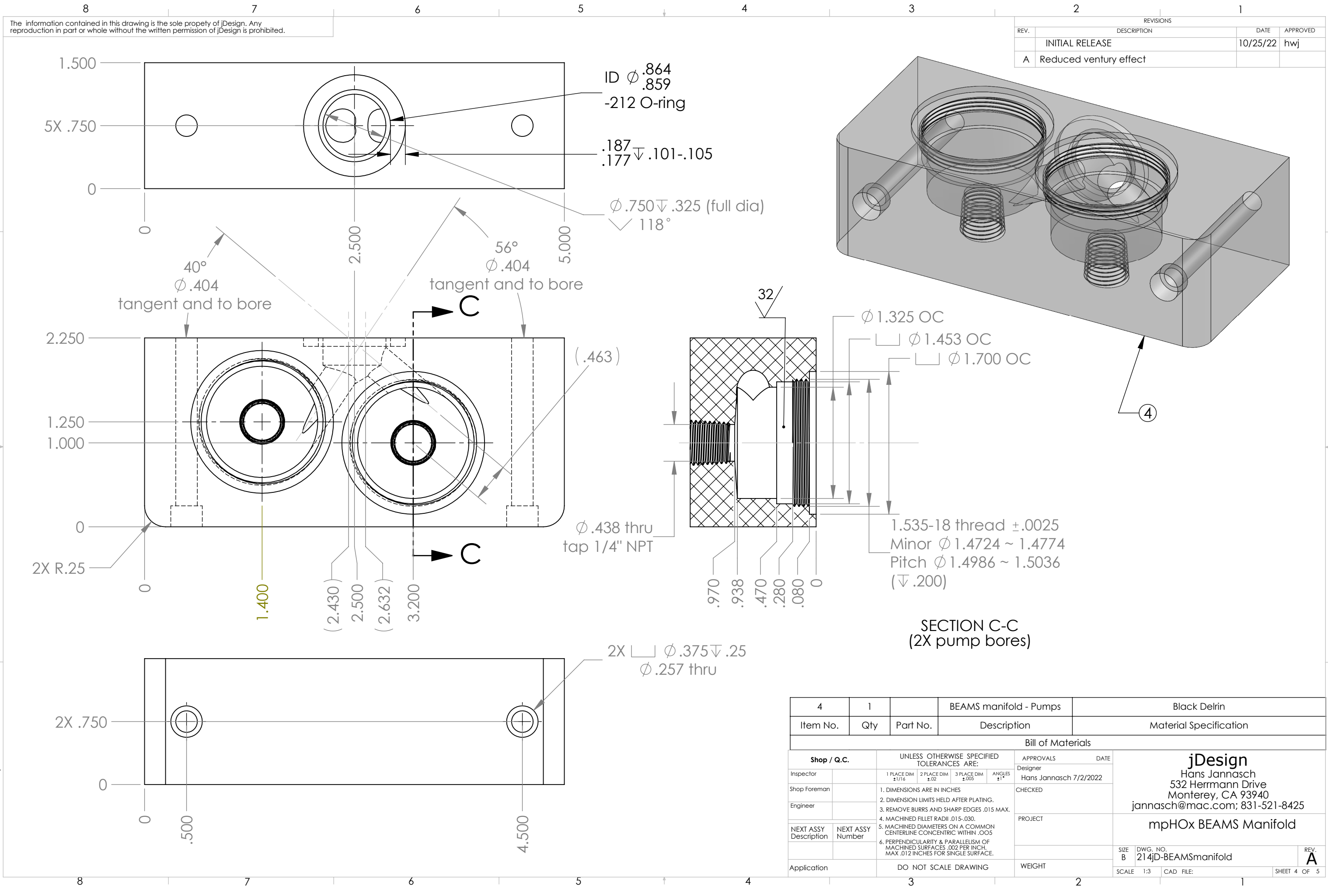
3	1		BEAMS manifold - Battery	Black Delrin
1	1		BEAMS manifold - CTD	Black Delrin
Item No.	Qty	Part No.	Description	Material Specification
Bill of Materials				
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:		APPROVALS DATE
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005
Shop Foreman		ANGLES ±1°		DESIGNER Hans Jannasch 7/2/2022
Engineer		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.		CHECKED
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
Application		DO NOT SCALE DRAWING		WEIGHT
		3		2
				1

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE	10/25/22	hwj
A	Reduced ventury effect		

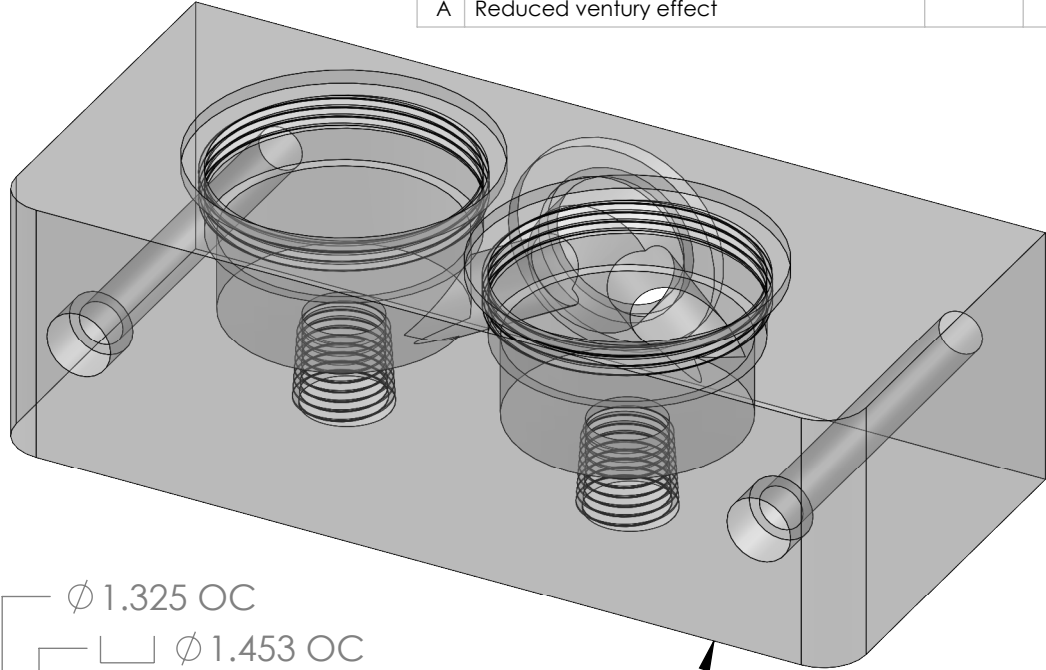


2	1		BEAMS manifold - Middle	Black Delrin
Item No.	Qty	Part No.	Description	Material Specification
Bill of Materials				
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:		APPROVALS DATE
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005
Shop Foreman		1. DIMENSIONS ARE IN INCHES		DESIGNER Hans Jannasch 7/2/2022
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING.		CHECKED
		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		PROJECT
		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. A
		SCALE 1:3	CAD FILE:	SHEET 3 OF 5



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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE	10/25/22	hwj
A	Reduced ventury effect		

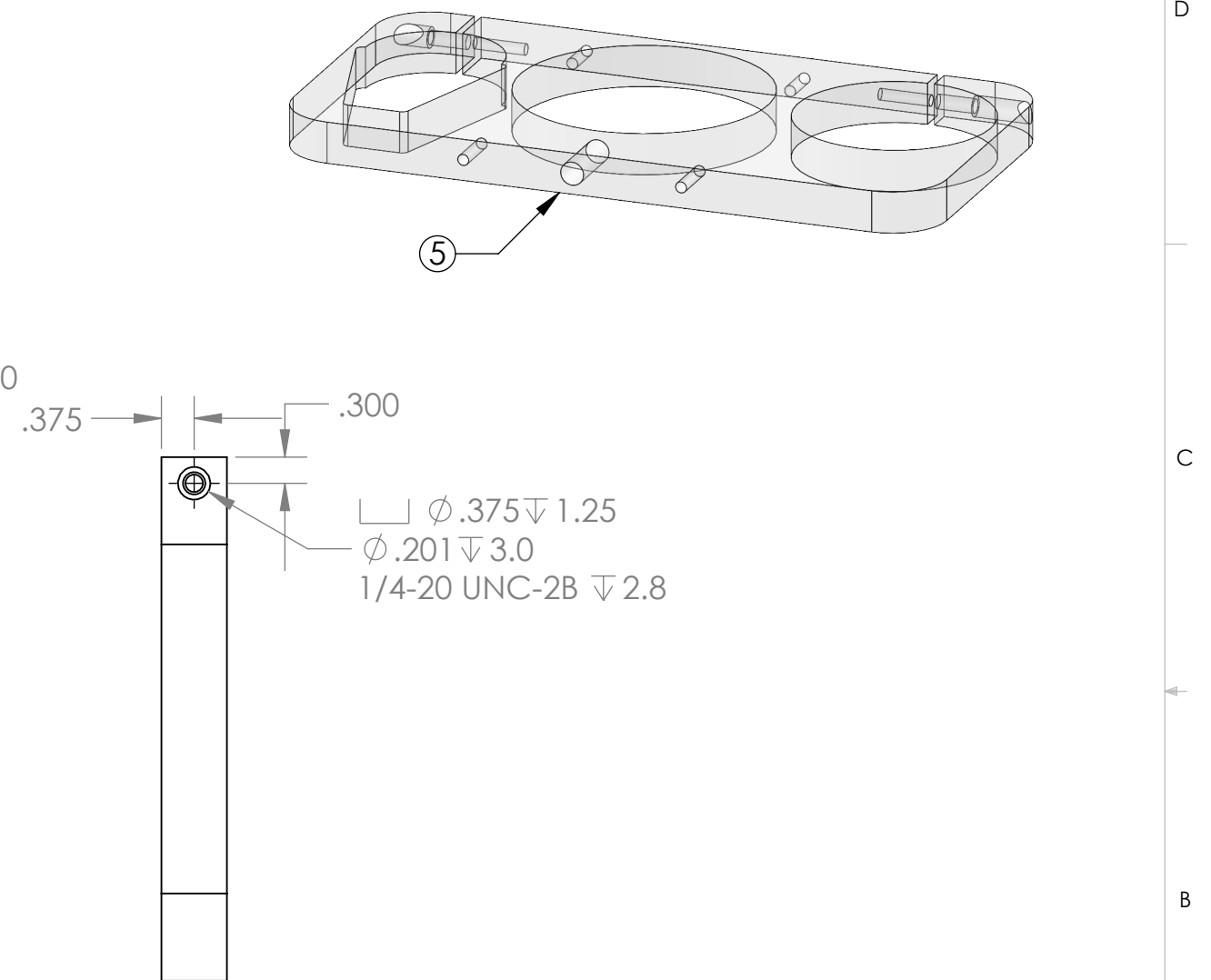
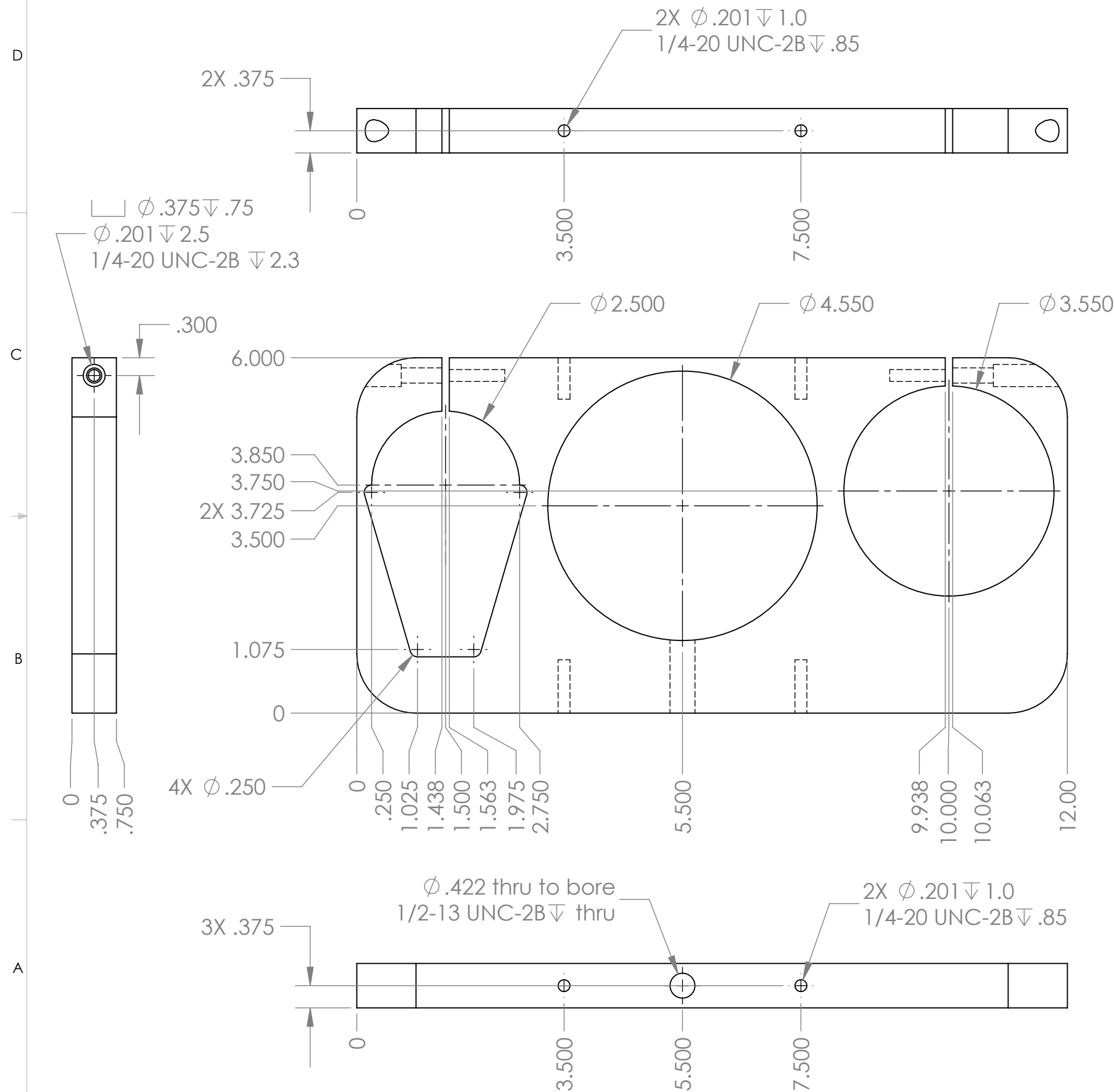


SECTION C-C
(2X pump bores)

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	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°	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. A	
Application		DO NOT SCALE DRAWING			WEIGHT	SCALE 1:3	CAD FILE:	SHEET 4 OF 5

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE	10/25/22	hwj
A	Reduced ventury effect		



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
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.		4 ANGLES ±1°
Engineer				DESIGNER Hans Jannasch 7/2/2022
NEXT ASSY Description	NEXT ASSY Number			CHECKED
				PROJECT
Application		DO NOT SCALE DRAWING		WEIGHT
				SIZE B
				DWG. NO. 214JD-BEAMSmanifold
				REV. A
				SCALE 1:3
				CAD FILE:
				SHEET 5 OF 5