

NOTES:

1. MARK PER 9919100, CLASS A-1-A, BLACK INK, AS FOLLOWS. LOCATE APPROXIMATELY AS SHOWN:

1.1

MARK DESIGN AGENCY PART NUMBER / ISSUE, .13 HIGH CHARACTERS, AS SHOWN.

1.2

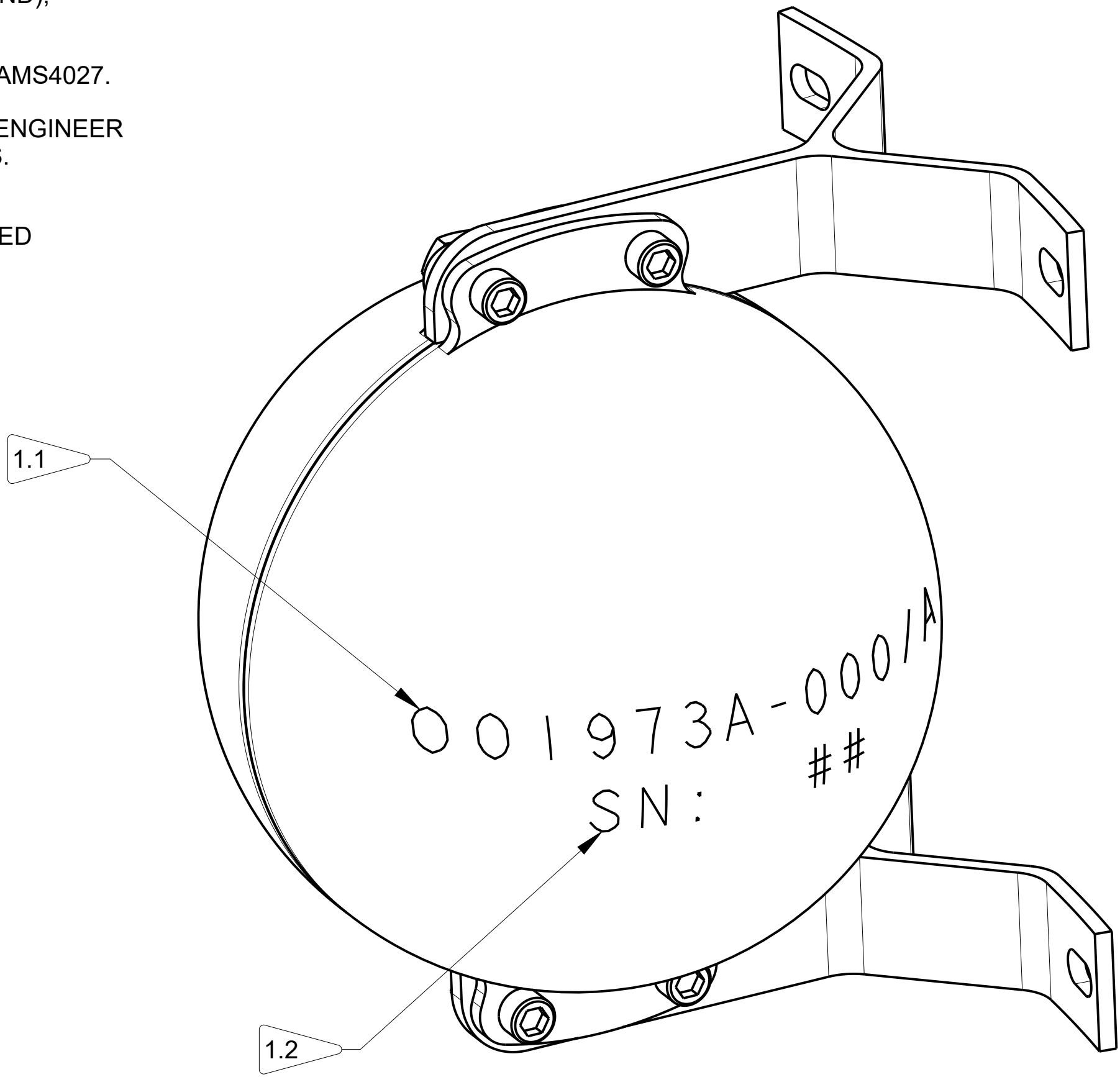
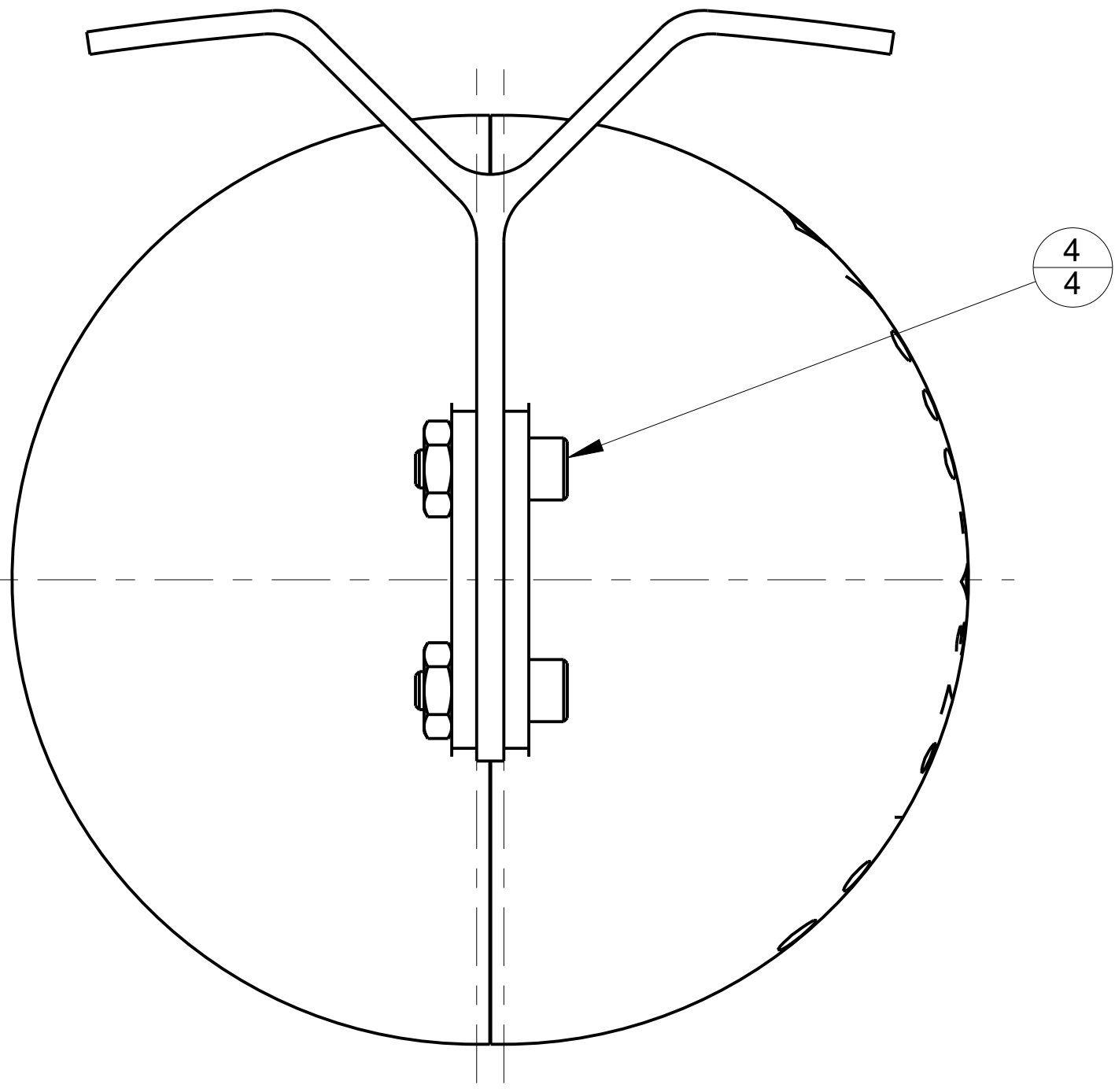
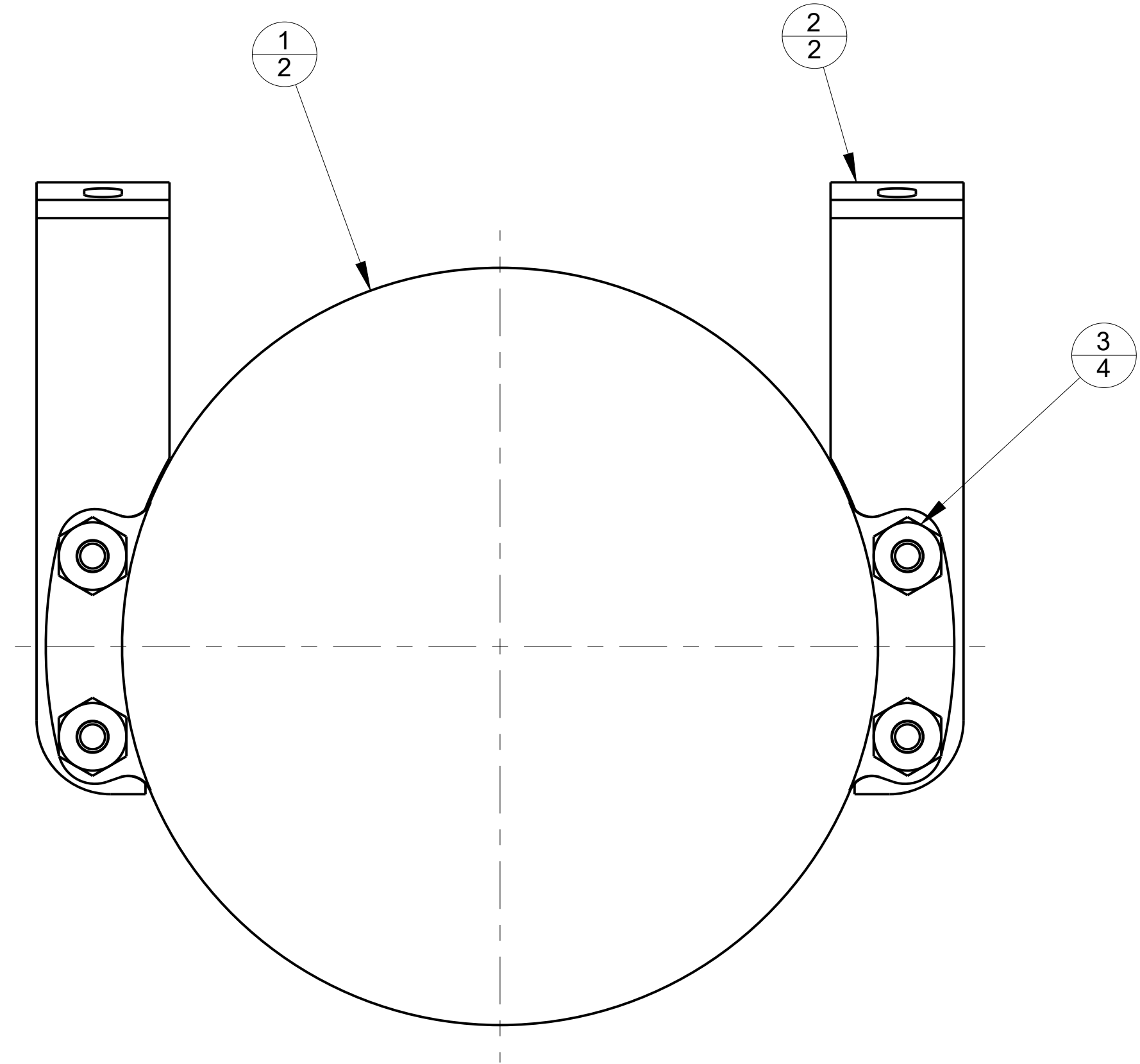
MARK SERIAL NUMBER AS SHOWN, .13 HIGH CHARACTERS. SANDIA DESIGN DEPARTMENT SHALL SPECIFY ACTUAL SERIAL NUMBERING.
2. MATERIAL AT FABRICATOR'S OPTION:

ALUMINUM ALLOY 6061-T651, EXTRUDED BAR OR ROD (ROUND), PER SAE AMS-QQ-A-200/8.

ALTERNATE: ALUMINUM ALLOY PLATE, 6061-T651, PER SAE AMS4027.

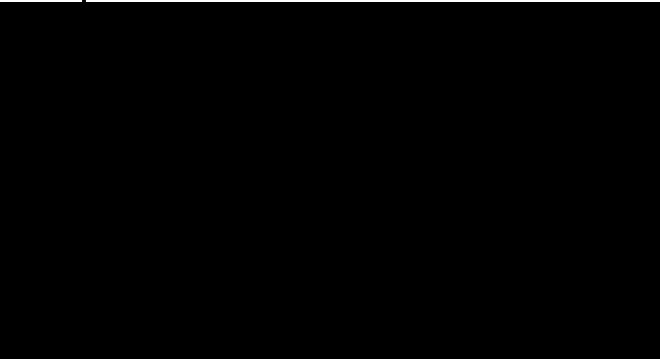
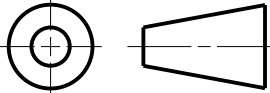
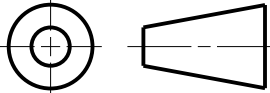
PRIOR TO START OF MANUFACTURING, RESPONSIBLE SNL ENGINEER MUST VERIFY ORDERED STOCK MATERIAL CERTIFICATIONS. CERTIFICATIONS NOT IN ENGLISH WILL BE REJECTED.
3. ANODIZE PER 9904102-01, TYPE II, AND DYE COLOR SPECIFIED BY RESPONSIBLE ENGINEER.

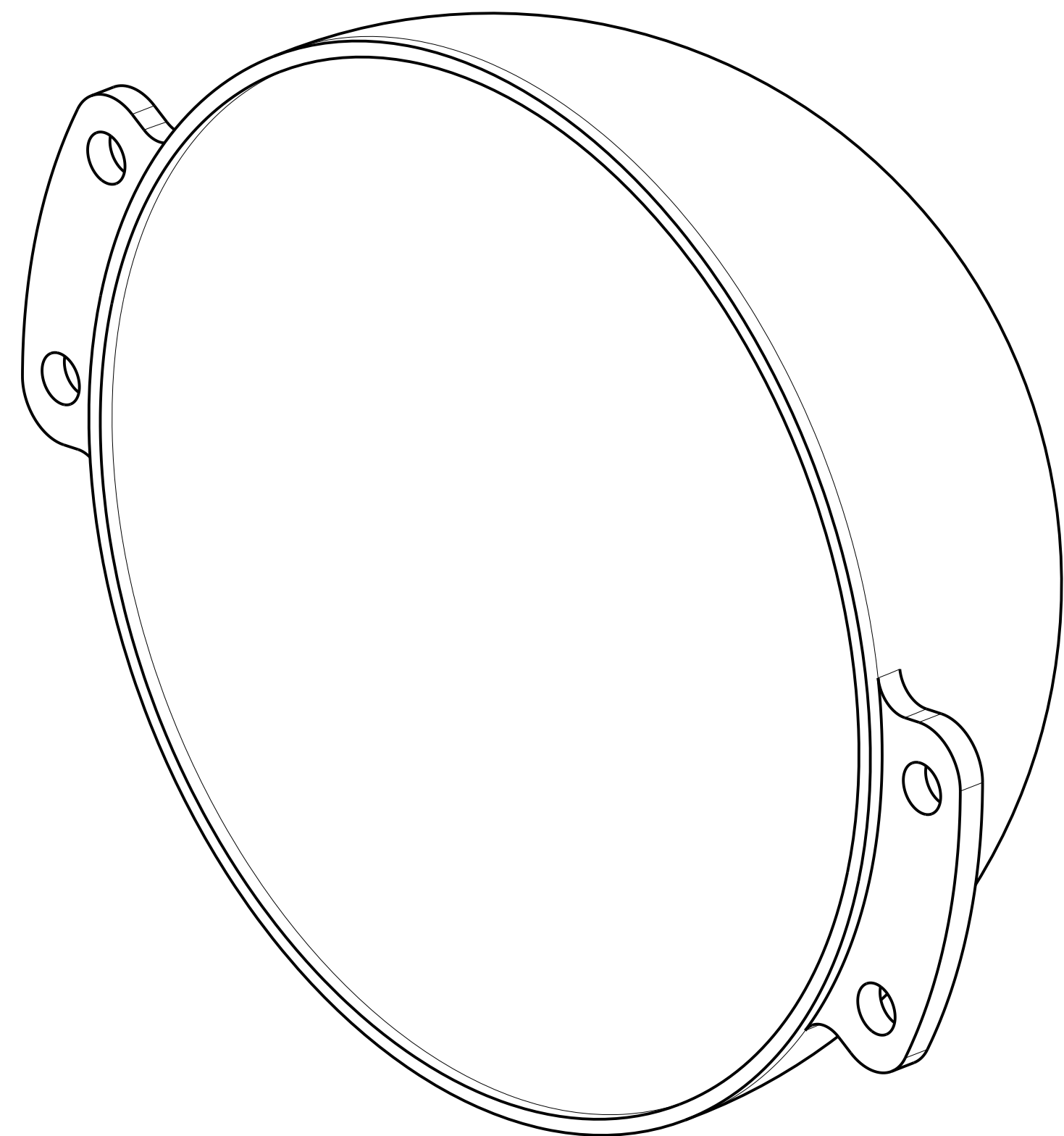
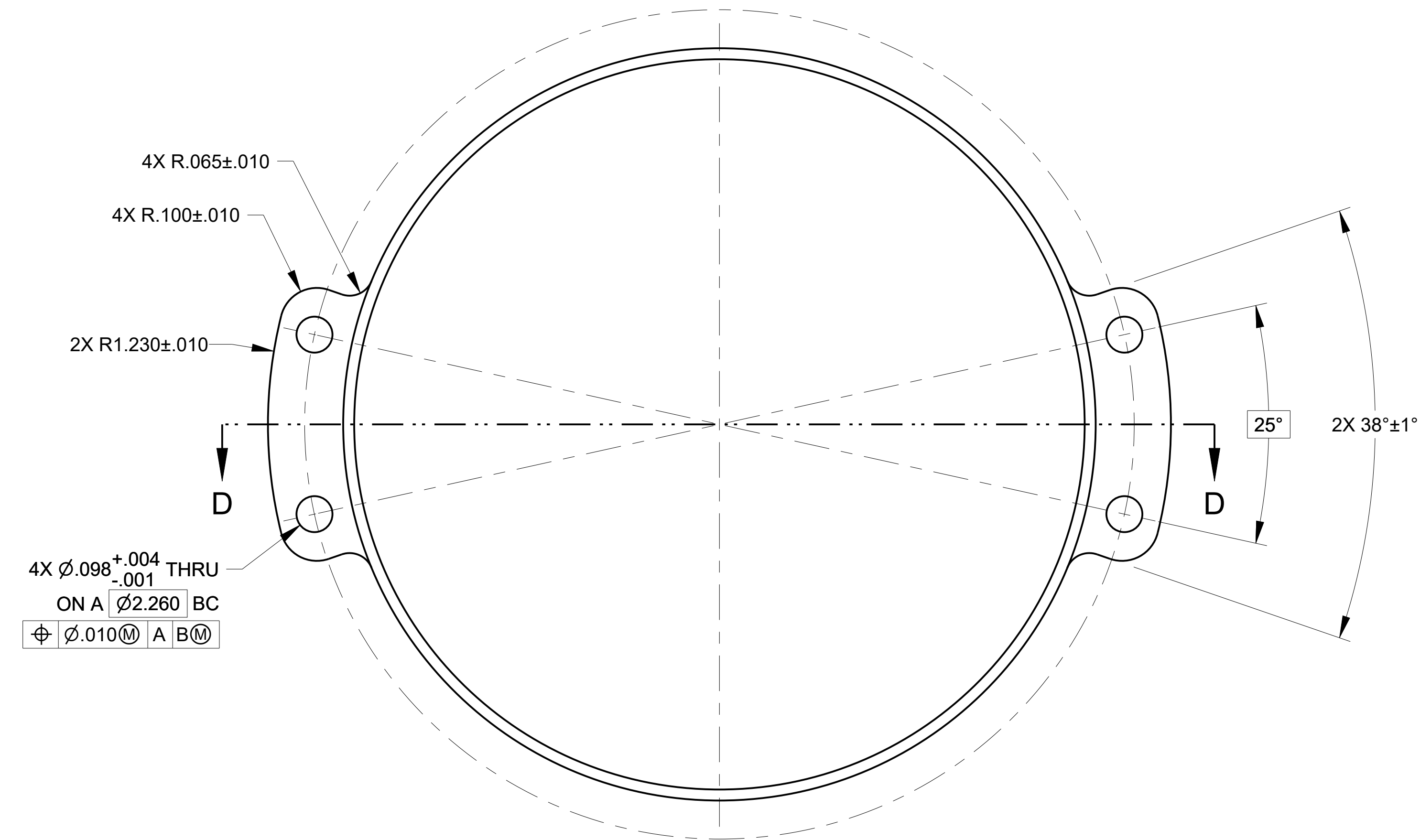
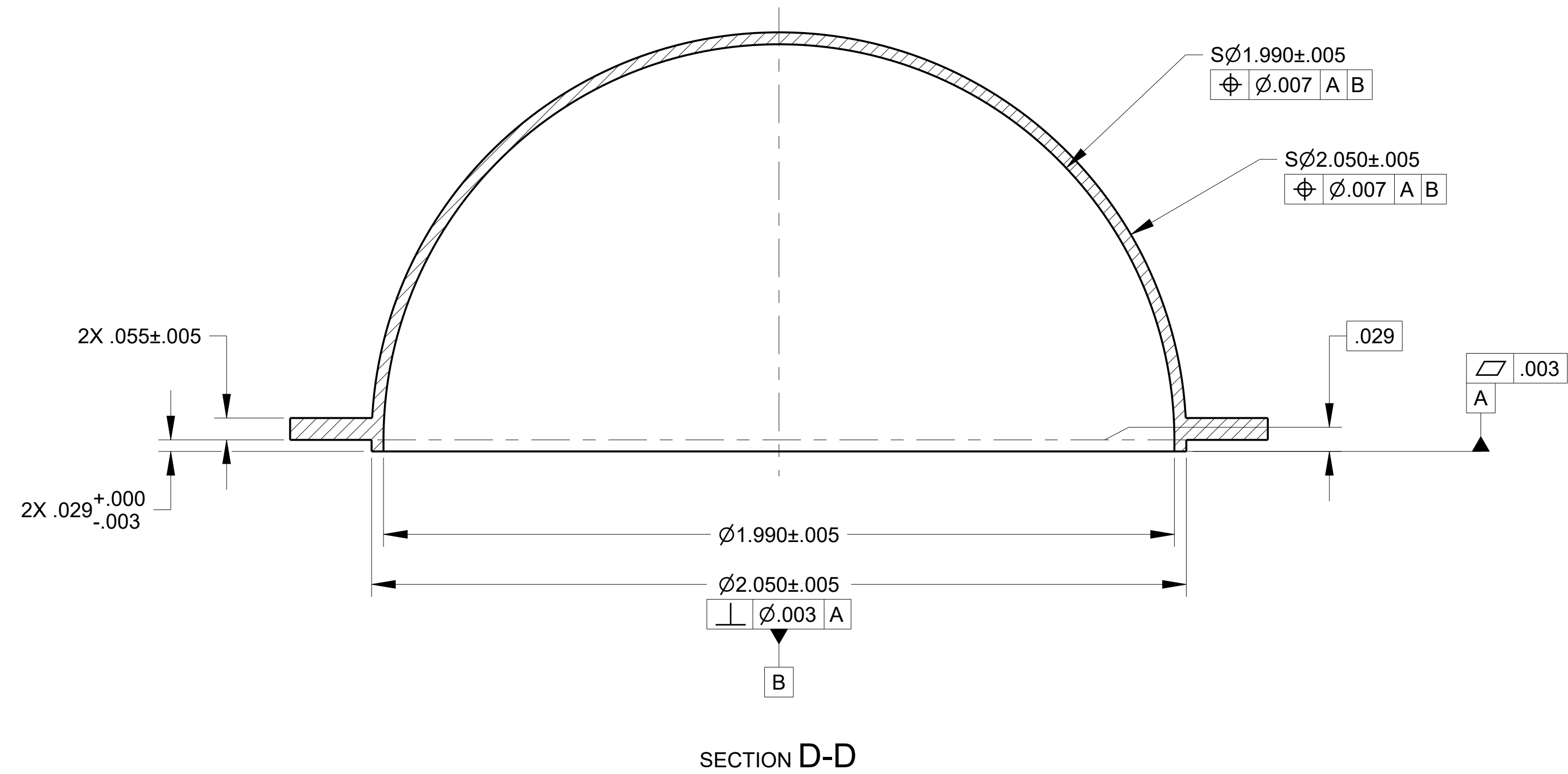
PART NUMBER		REVISIONS		
ISS	SHEET ZONE	DESCRIPTION		DATE
001973A-000	A	ORIGINAL ISSUE		14-JUN-2021



3D ROTATED VIEW

ML-49145 7-7-2021

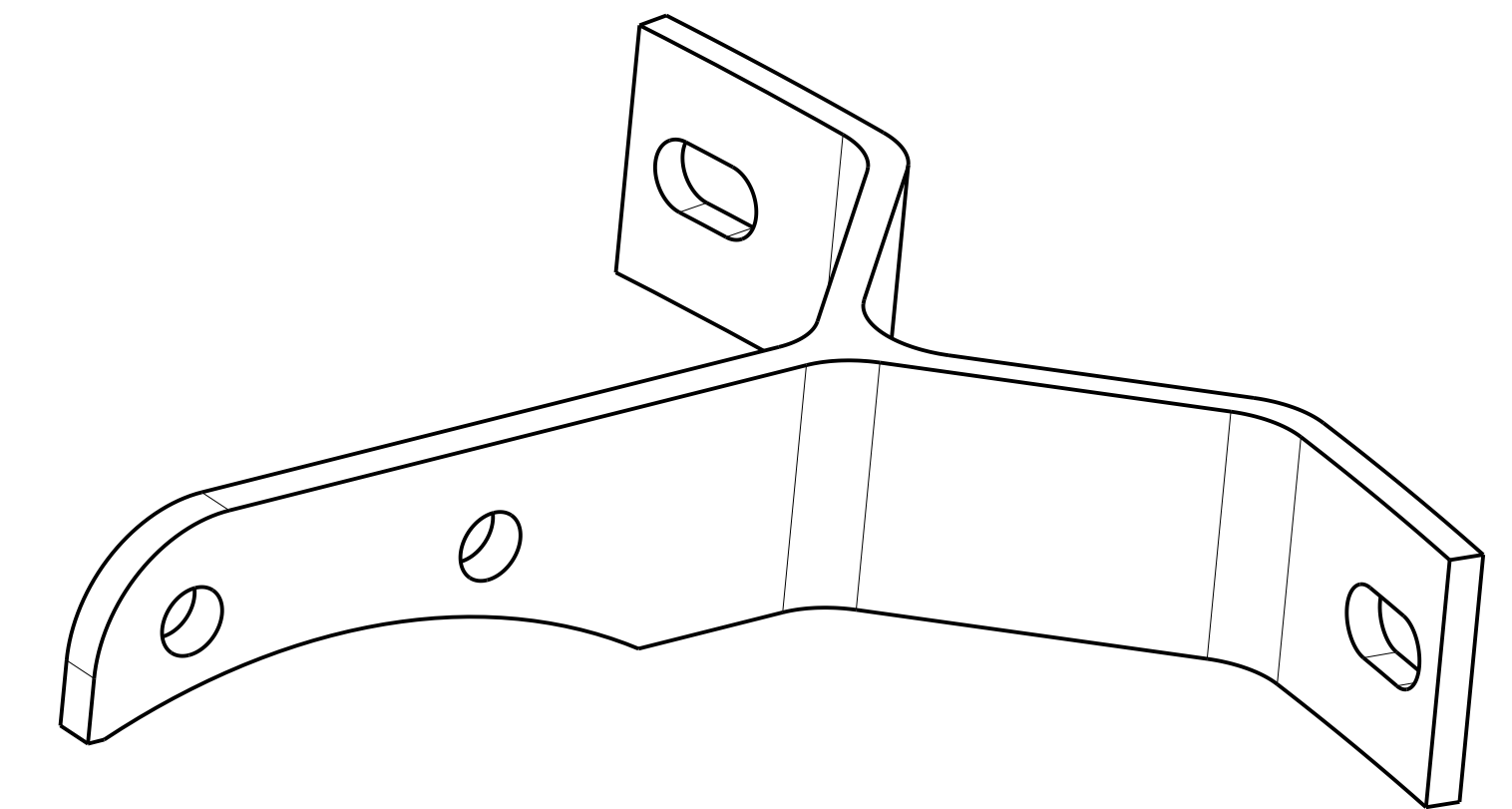
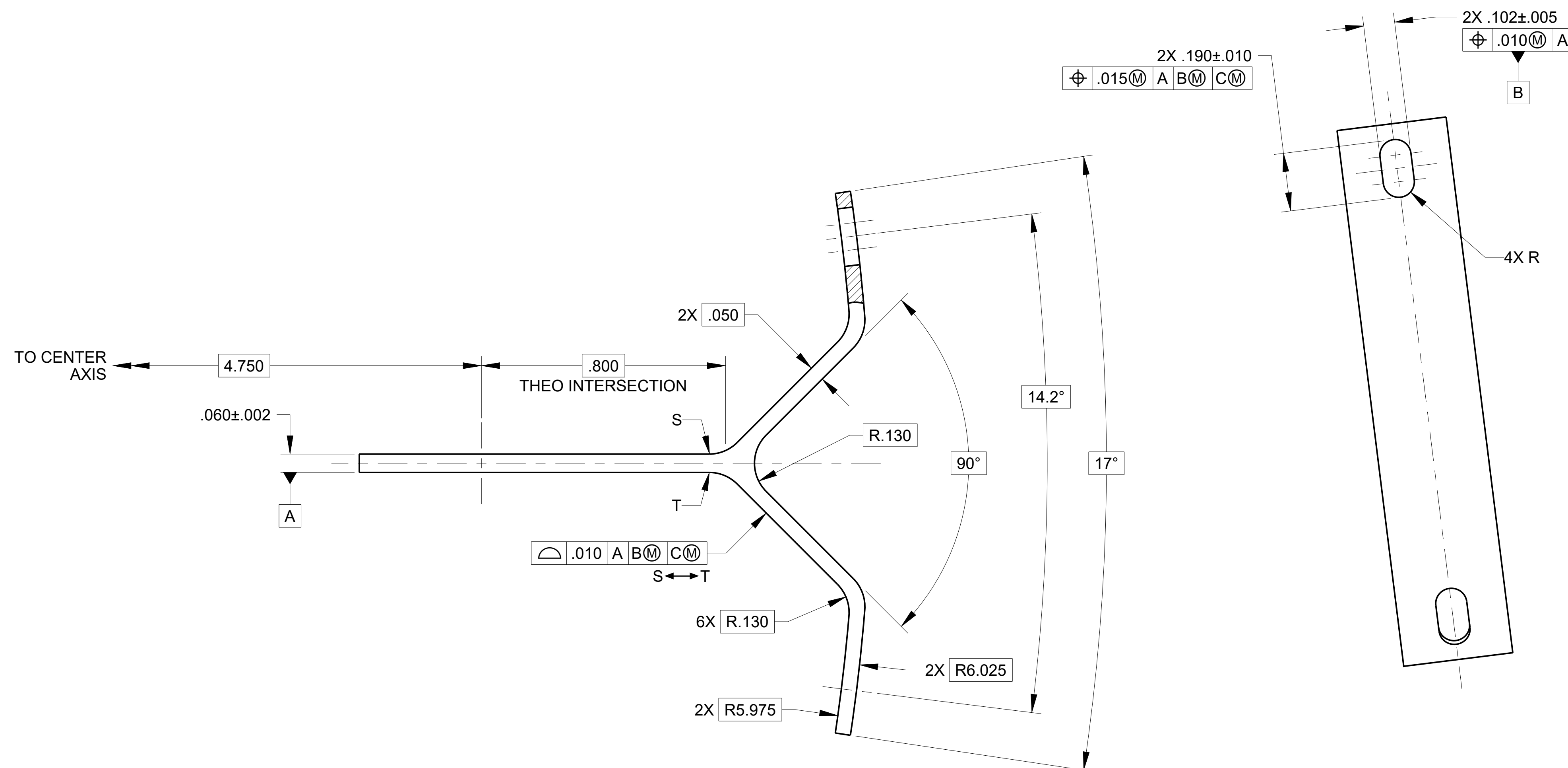
4	NAS1352-02-4	SCR,SCH, .0860-56UNRC-3A, .250 L	ALY STL			4					
4	MS35649-224	NUT,HEX, .086-56UNC-2B	CRES			3					
2	001973A-200	BRACKET	AL6061-T651			2					
2	001973A-100	HEMISPHERE	AL6061-T651			1					
NA	9919100	MARKING, GENERAL METHODS		1							
NA	9900000	GENERAL REQUIREMENTS									
NO REQD	PART/CONTROL NO	DESCRIPTION/MATERIAL		NOTE	SHEET ZONE	ITEM					
QUANTITY		PM = PROCESS MATERIAL		AR = AS REQUIRED							
ABBREVIATIONS: ALT = ALTERNATE		EM = EXPENSE MATERIAL		ARS = AS REQUIRED FOR ASSEMBLY							
		TITLE									
		SPHERE ASSEMBLY									
							PART CLASSIFICATION				
							UNCLASSIFIED				
		DRAWING CLASSIFICATION									
UNCLASSIFIED											
		SIZE	DRAWING NUMBER		ISSUE						
		D	001973A		A						
		SCALE 3/1		SHEET 1 OF 3							
		CREO PARAMETRIC		STATUS SA - REL - 14-JUN-2021							



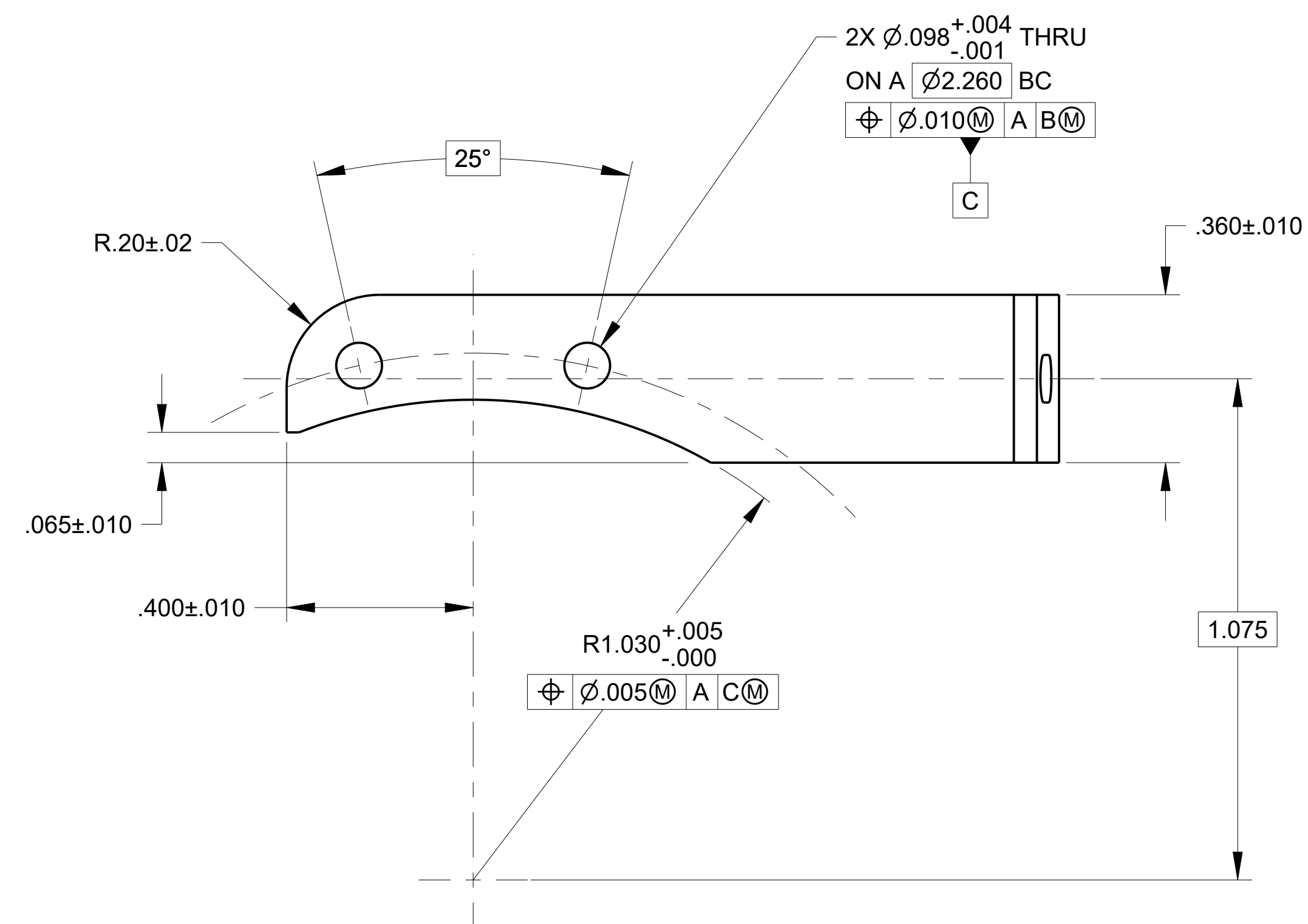
3D ROTATED VIEW
FOR REFERENCE ONLY

ML-49145 7-7-2021

ARS	SAE AMS-QQ-A-200/8	ALUMINUM ALLOY 6061, BAR, ROD, SHAPES, TUBE & WIRE, EXTRUDED	2		-
ALT	SAE AMS4027	ALUMINUM ALLOY SHEET AND PLATE; PRECIPITATION AND SOLUTION HEAT TREATED	2		-
NA	9904102	ANODIZING ALUMINUM	3		
NA	9900000	GENERAL REQUIREMENTS			
NO REQD	PART/CONTROL NO	DESCRIPTION / MATERIAL	NOTE	SHEET ZONE	ITEM
PART NO. 001973A-100	QUANTITY NA = NO QUANTITY FOR DOCUMENTS ABBREVIATIONS: ALT = ALTERNATE		PM = PROCESS MATERIAL EM = EXPENSE MATERIAL		AR = AS REQUIRED ARS = AS REQUIRED FOR ASSEMBLY
			DRAWING CLASSIFICATION		
	UNCLASSIFIED				
SIZE D	DRAWING NUMBER 001973A		ISSUE A		
		SCALE 3/1	SHEET 2 OF 3		
STATUS		SA - REL - 14-JUN-2021			



3D ROTATED VIEW
FOR REFERENCE ONLY



ML-49145 7-7-2021

ARS	SAE AMS-QQ-A-200/8	ALUMINUM ALLOY 6061, BAR, ROD, SHAPES, TUBE & WIRE, EXTRUDED	2		-
ALT	SAE AMS4027	ALUMINUM ALLOY SHEET AND PLATE; PRECIPITATION AND SOLUTION HEAT TREATED	2		-
NA	9904102	ANODIZING ALUMINUM	3		
NA	9900000	GENERAL REQUIREMENTS			
NO REQ	PART/CONTROL NO	DESCRIPTION / MATERIAL	NOTE	SHEET ZONE	ITEM
PART NO. 001973A-200	QUANTITY NA = NO QUANTITY FOR DOCUMENTS ABBREVIATIONS: ALT = ALTERNATE		PM = PROCESS MATERIAL EM = EXPENSE MATERIAL		
			AR = AS REQUIRED ARS = AS REQUIRED FOR ASSEMBLY		
	DRAWING CLASSIFICATION				
	UNCLASSIFIED				
	SIZE	DRAWING NUMBER		ISSUE	
	D	001973A		A	
		SCALE 3/1	SHEET 3 OF 3		
	STATUS SA - REL - 14-JUN-2021				