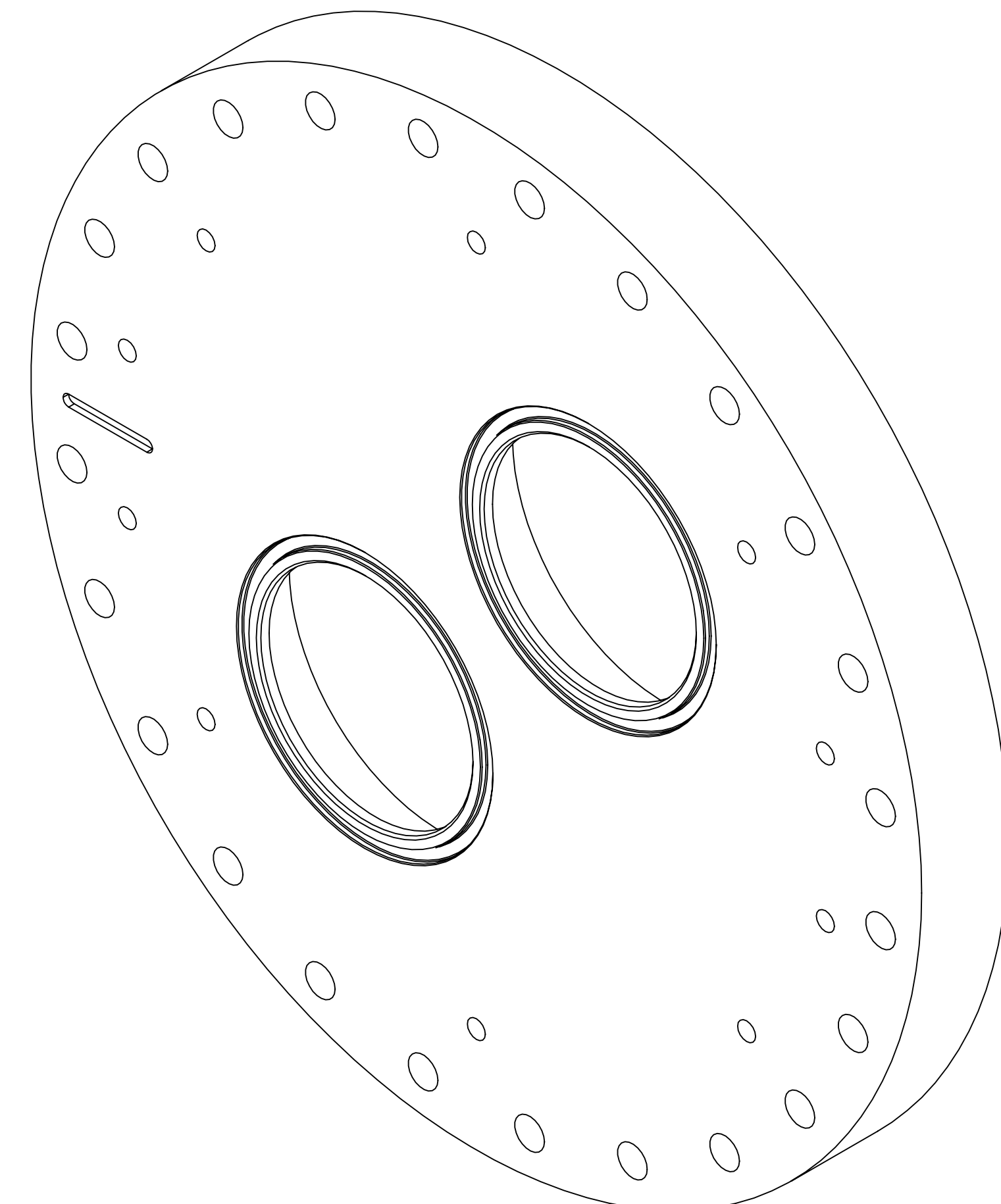
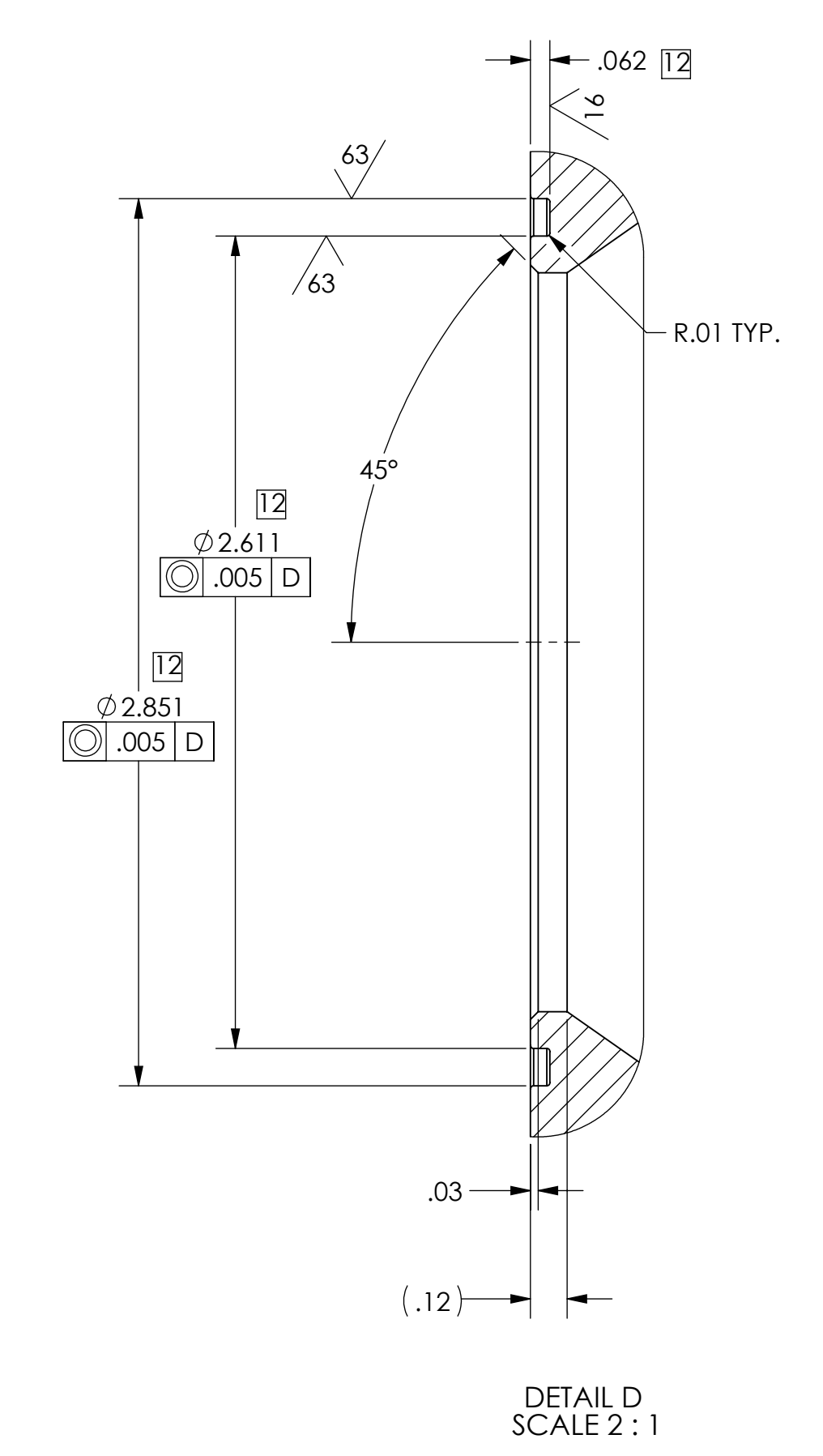
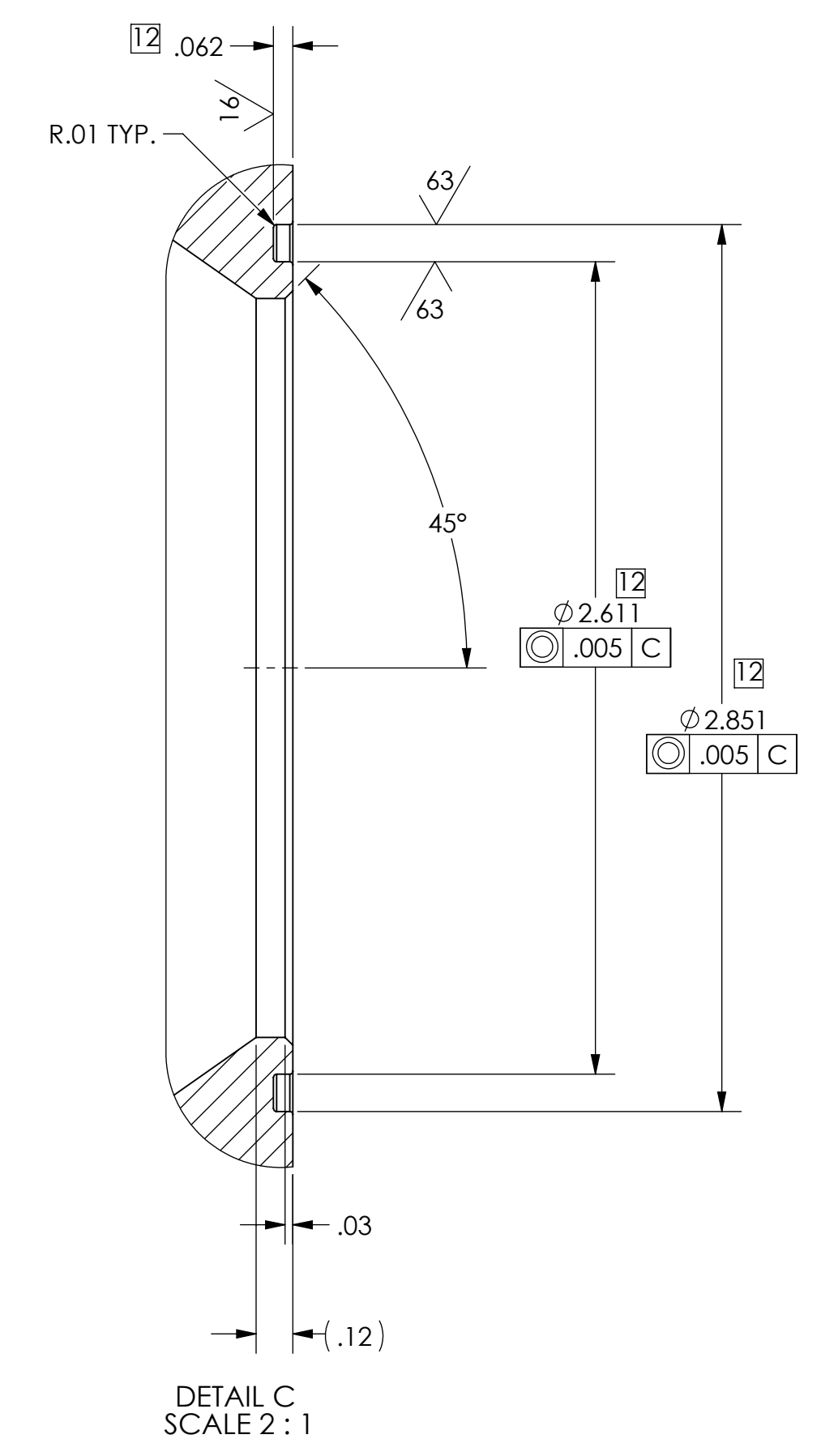
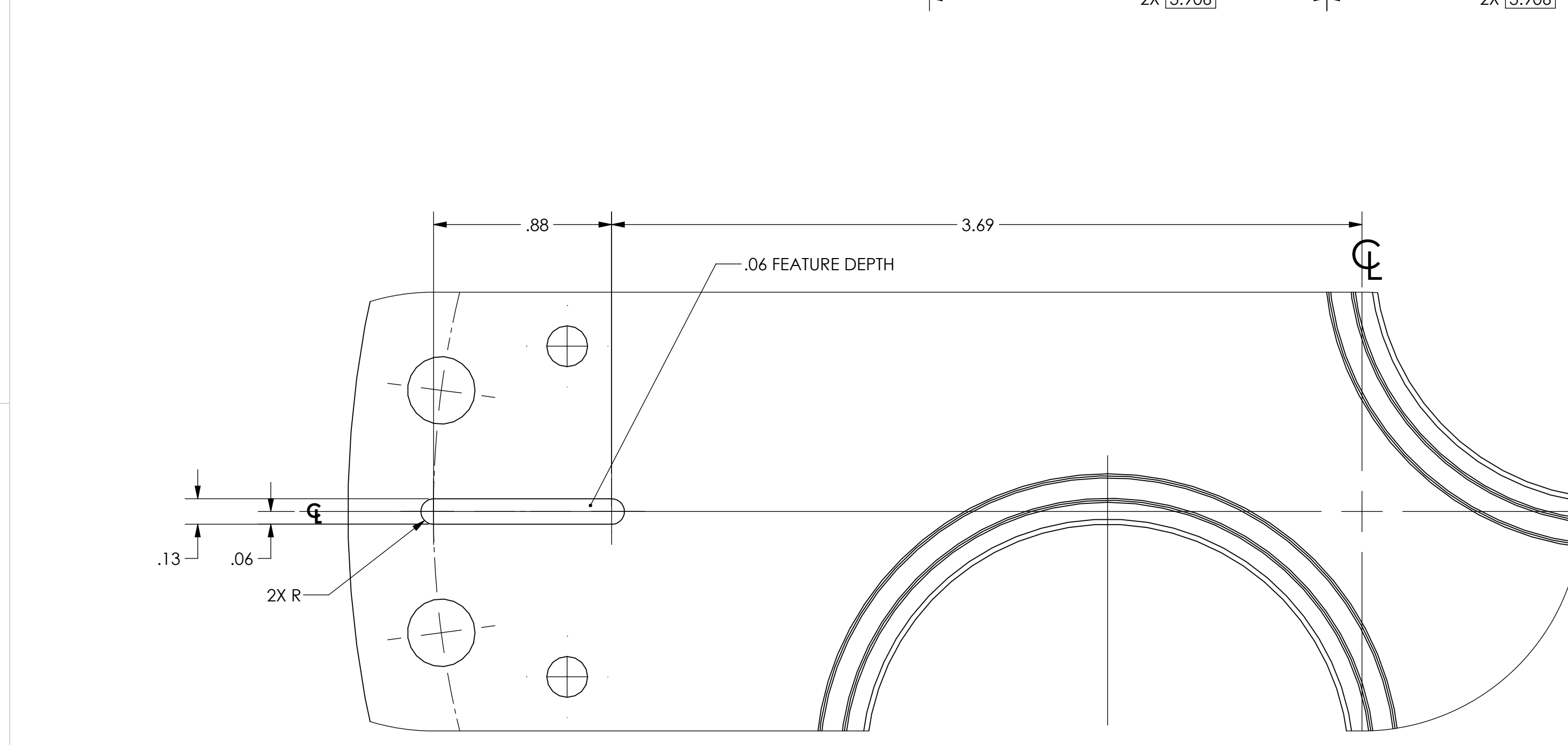
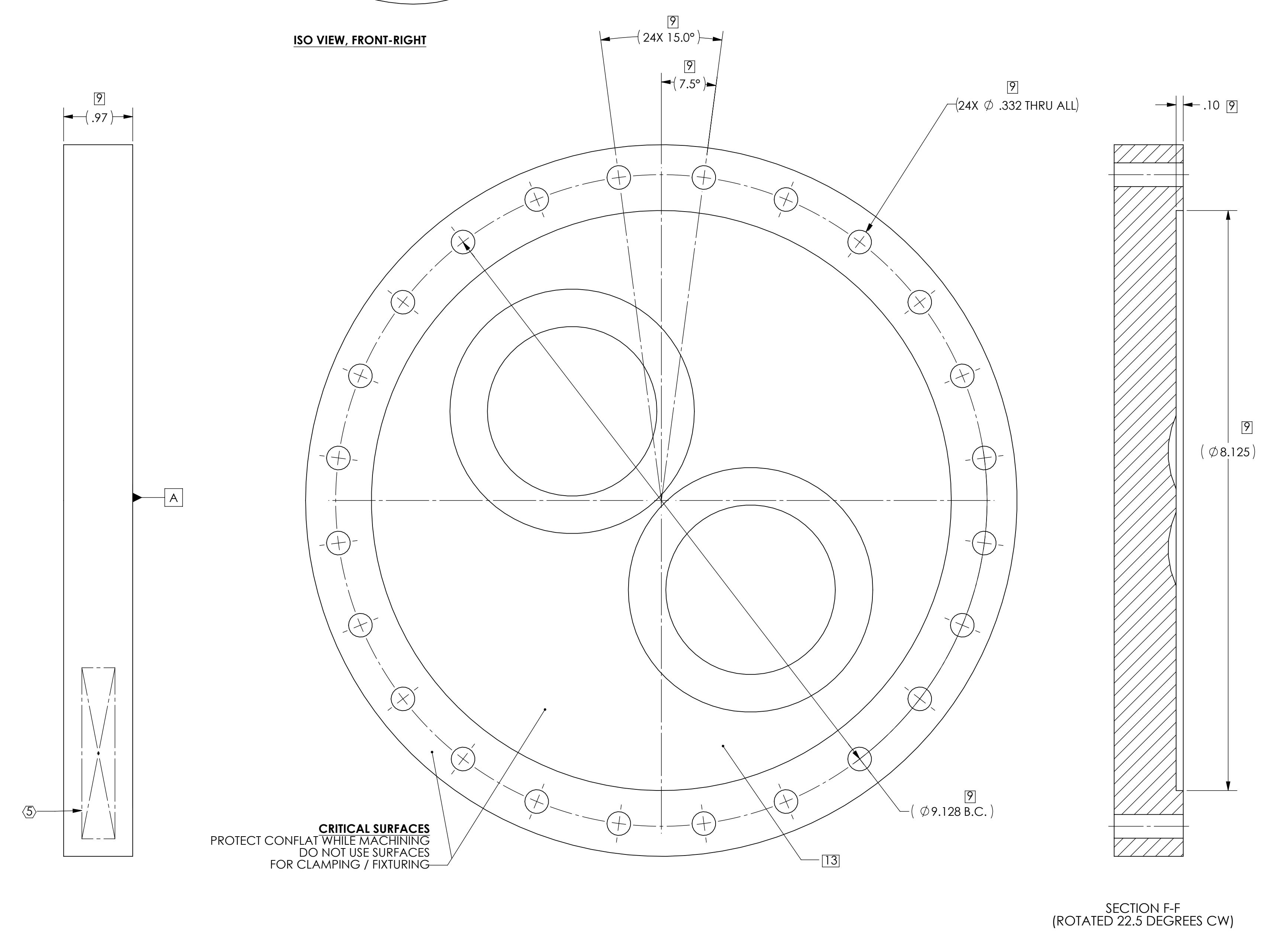
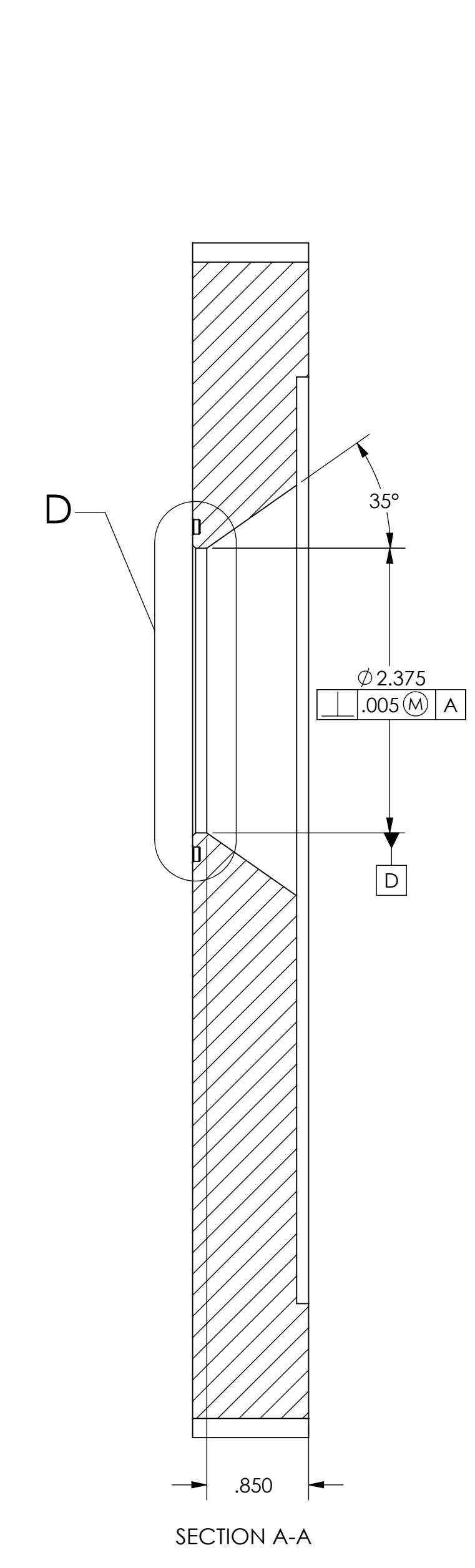
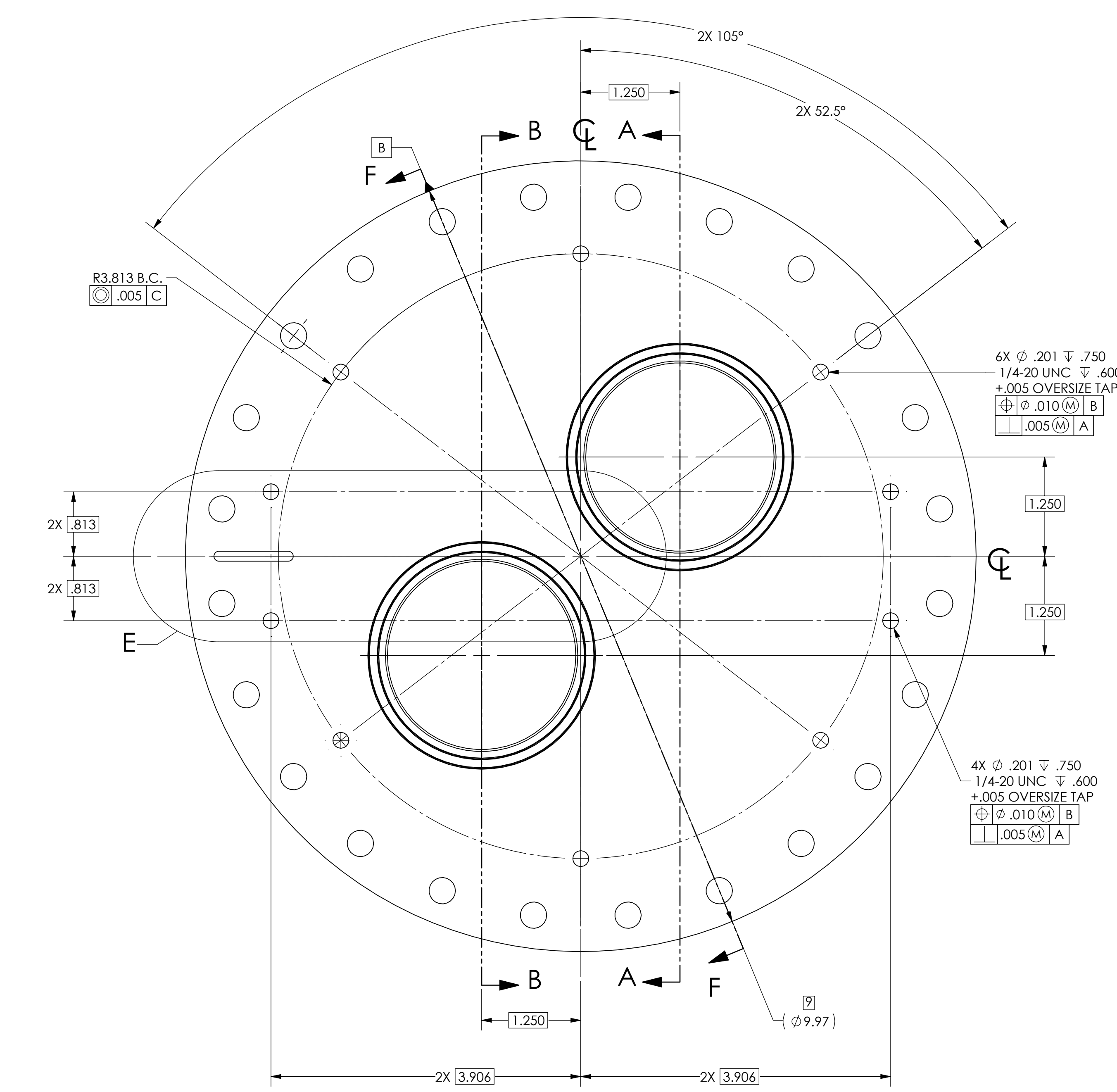
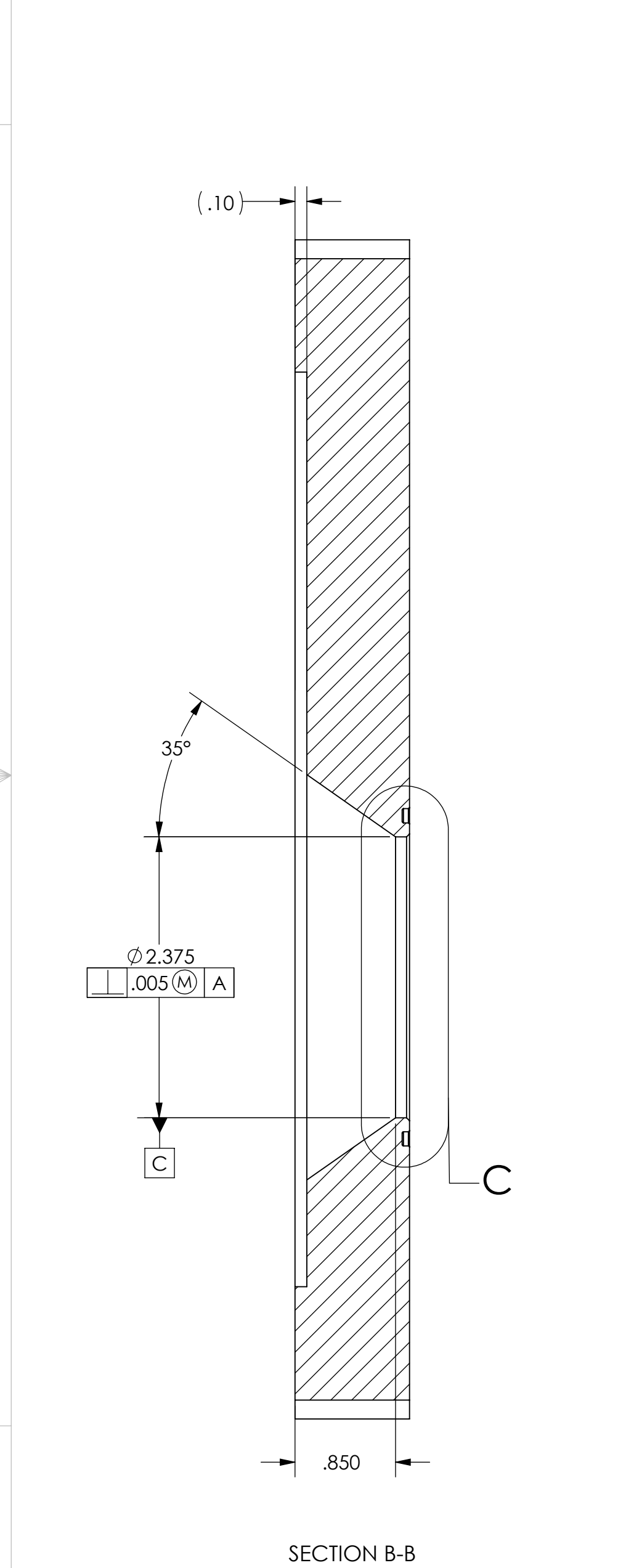


- NOTES CONTINUED:
- ⑤ SCRIBE, ENGRAVE (A VIBRATORY TOOL MAY BE USED), LASER MARK OR MECHANICALLY STAMP (NO INKS OR DYES) DRAWING PART NUMBER, REVISION (AND VARIANT OR TYPE IF APPLICABLE) ON NOTED SURFACE OF PART FOLLOWED ON THE NEXT LINE WITH A THREE DIGIT SERIAL NUMBER. SERIAL NUMBERS START AT 001 FOR THE FIRST ARTICLE AND PROCEED CONSECUTIVELY. USE MINIMUM 0.17" HIGH CHARACTERS. UNLESS THE SIZE OF THE PART DICTATES SMALLER CHARACTERS. EXAMPLE: DXXXXXX-VY, TYPE-XX, S/N-XXX
 - 6. APPROXIMATE WEIGHT = 16.45 LB.
 - 7. MACHINE ALL SURFACES TO REMOVE OXIDES AND MILL FINISH. USE OF ABRASIVE REMOVAL TECHNIQUES IS NOT ALLOWED. REFER TO LIGO-EP00364
 - 8. ALL PARTS SHALL BE MANUFACTURED IN ACCORDANCE WITH LIGO SPECIFICATION EP00364.
 - ⑦ PART TO BE MACHINED FROM BLANK 10" CF FLANGE.
 - 10. ALL MATERIAL IS TO BE VIRGIN MATERIAL (i.e. NO WELD REPAIRS, PLUGS OR RECYCLED MATERIAL). NO REPAIRS SHALL BE MADE UNLESS APPROVED IN ADVANCE, AND IN WRITING, BY LIGO LABORATORY. REFER TO LIGO-EP00364
 - 11. SURFACE FINISH TO BE AS-PROCESSED FROM MILL/SUPPLIER, FREE FROM SCRATCHES OR GOUGES.
 - ⑧ REFER TO LIGO T1100346 FOR FEATURE DESIGN GUIDELINES.
 - ⑨ CONFLAT SURFACE OF MDC BLANK FLANGE.



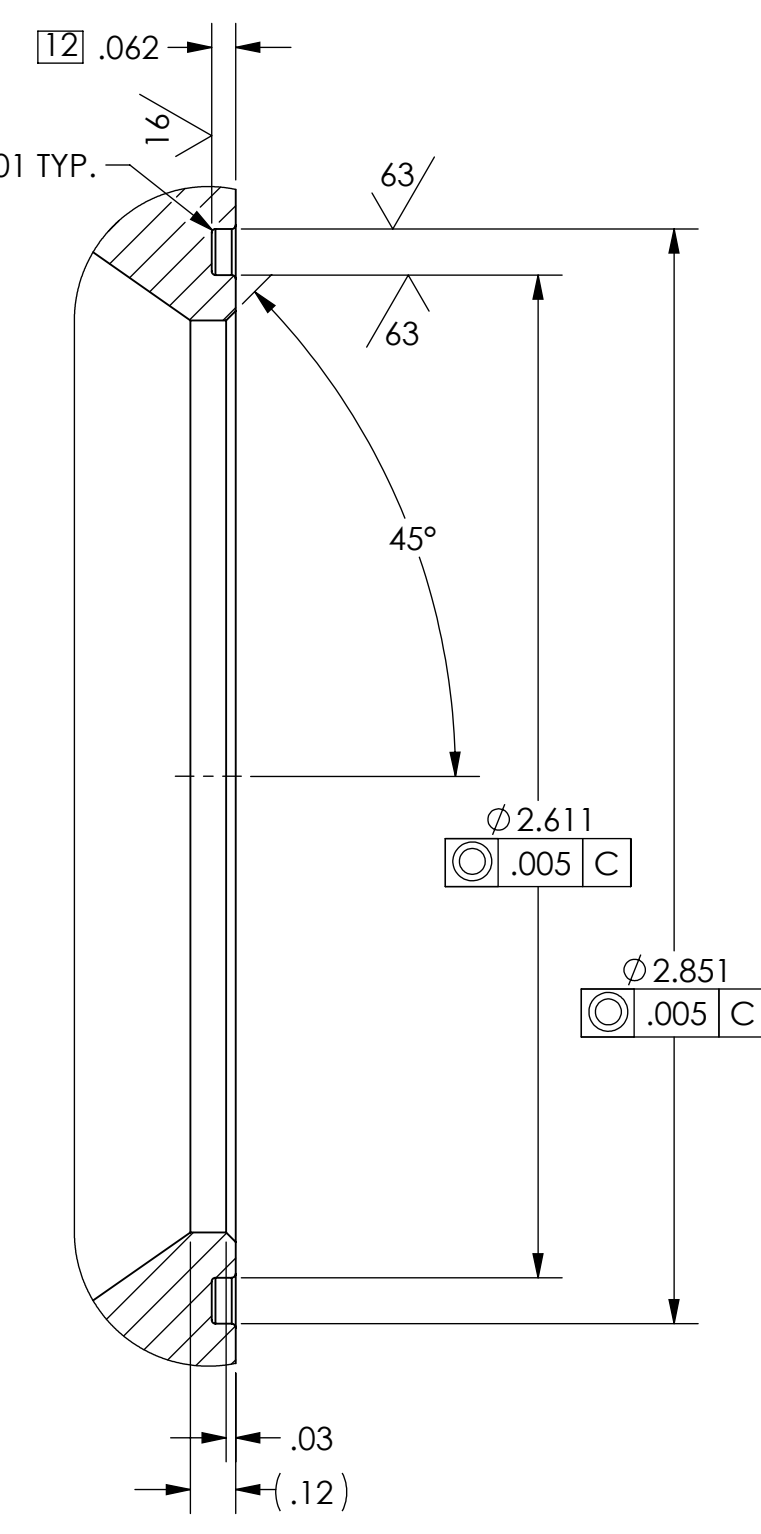
-01 DETAIL

TYPE	DESCRIPTION
-01	X-ARM CONFIG. (SHEET 1)
-02	Y-ARM CONFIG. (SHEET 2)

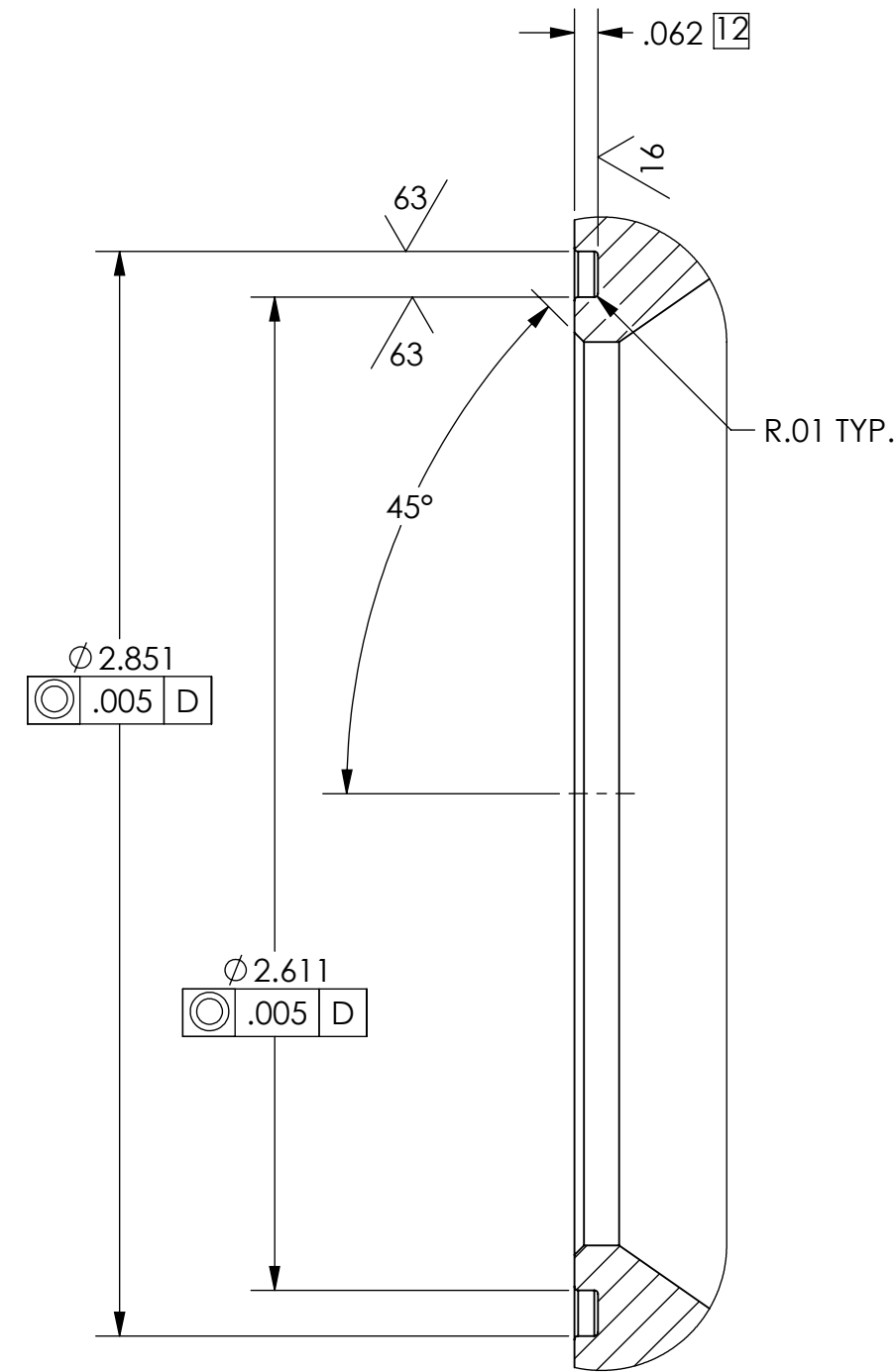


DIMENSIONS ARE IN INCHES TOLERANCES: .XX ± .01 .XXX ± .005 ANGULAR ± 1.0°		NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED) 1. INTERPRET DRAWING PER ASME Y14.5-1994. 2. REMOVE ALL SHARP EDGES. .005-.015. FOR MACHINED PARTS. ROUND ALL EDGES APPROXIMATELY R.02 FOR SHEET METAL PARTS. 3. DO NOT SCALE FROM DRAWING. 4. ALL MACHINING FLUIDS MUST BE FULLY SYNTHETIC, FULLY WATER SOLUBLE AND FREE OF SULFUR, SILICONE, AND CHLORINE.	CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY ADVANCED LIGO AOS	PART NAME TCS 10-IN CUSTOM VP FLANGE	DESIGNER: M.JACOBSON DRAFTER: E.SANCHEZ CHECKER: M.JACOBSON APPROVAL: D.COYNE	DATE: 05 DEC 2012 DATE: 05 DEC 2012 DATE: 05 DEC 2012 DATE: 07 DEC 2012	SIZE: E DWG. NO.: D1003196	REV. v3 SHEET 1 OF 2
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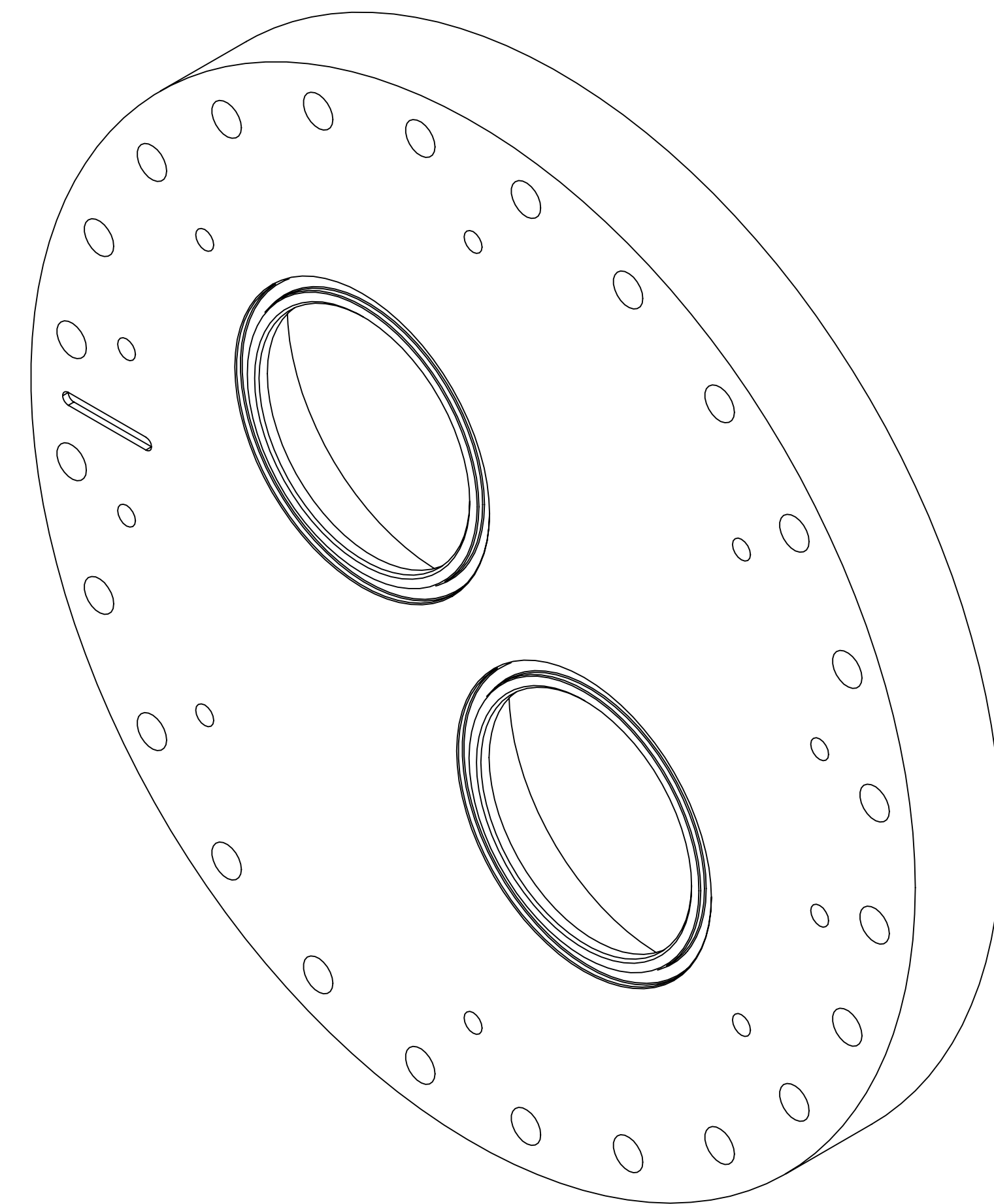
-02 DETAIL



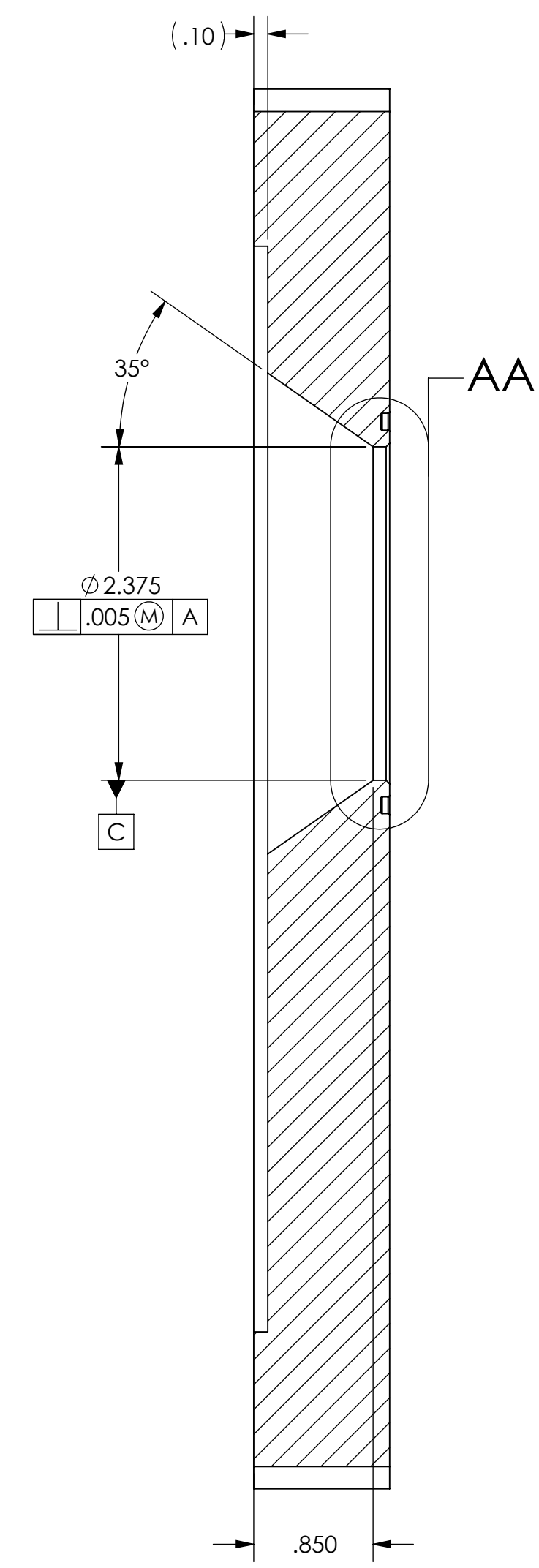
DETAIL AA
SCALE 2:1



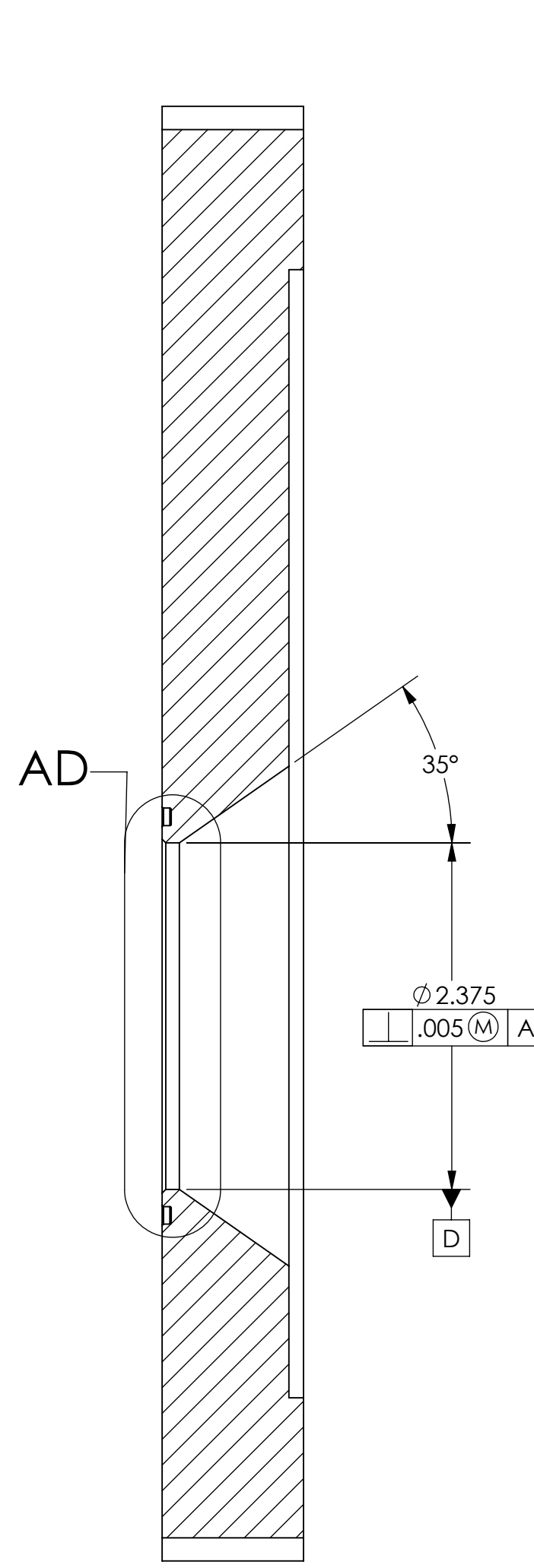
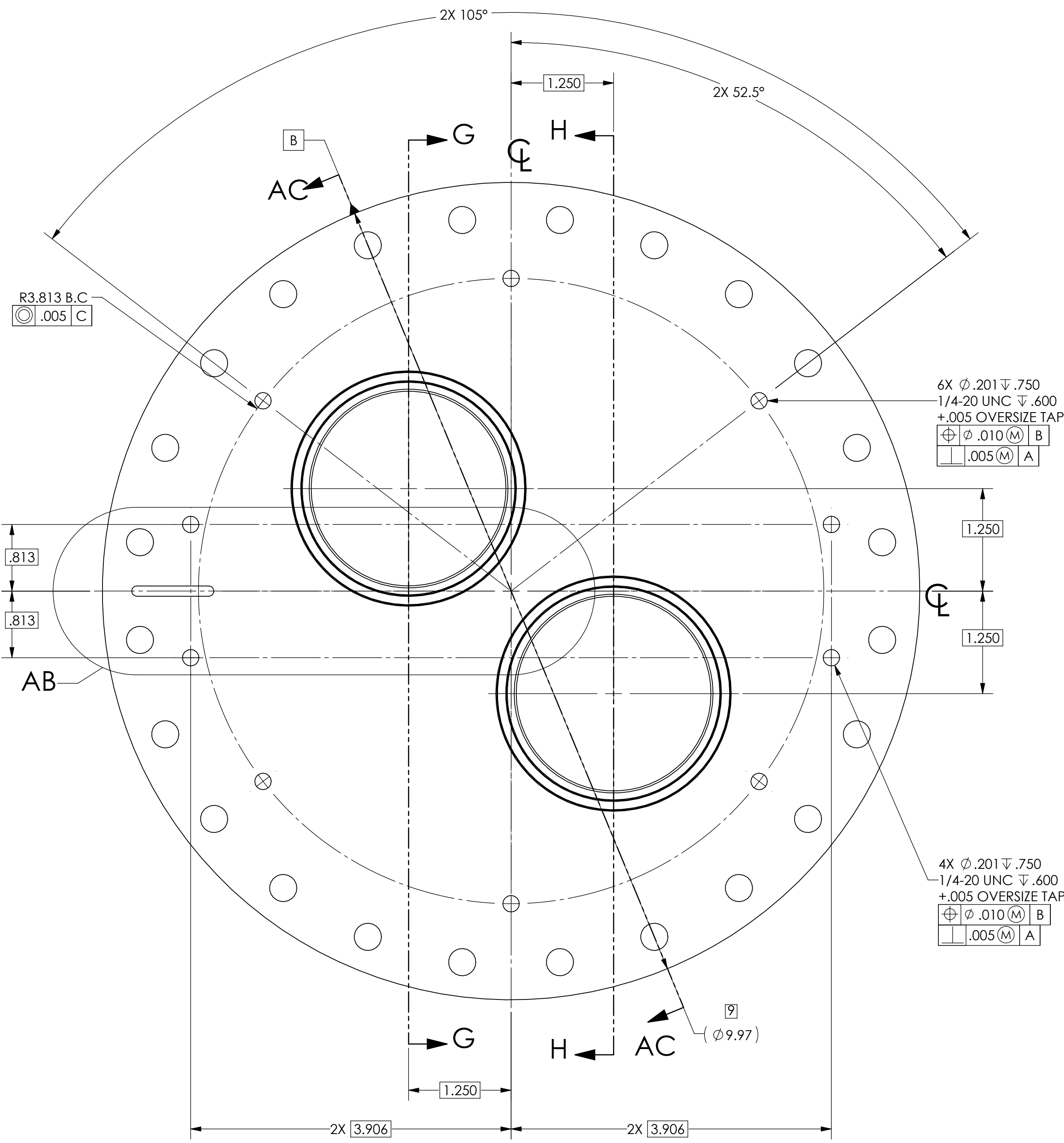
DETAIL AD
SCALE 2:1



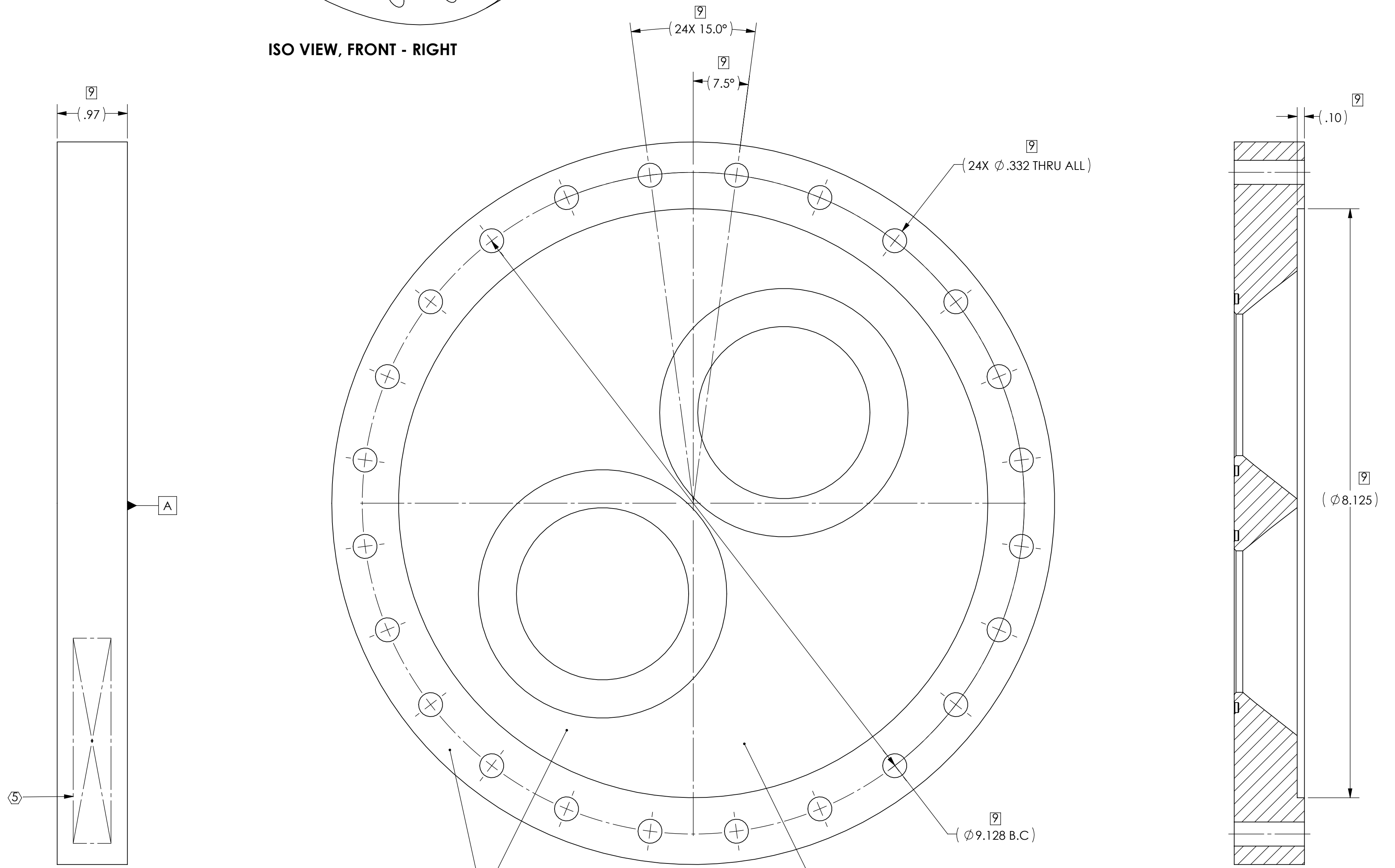
ISO VIEW, FRONT - RIGHT



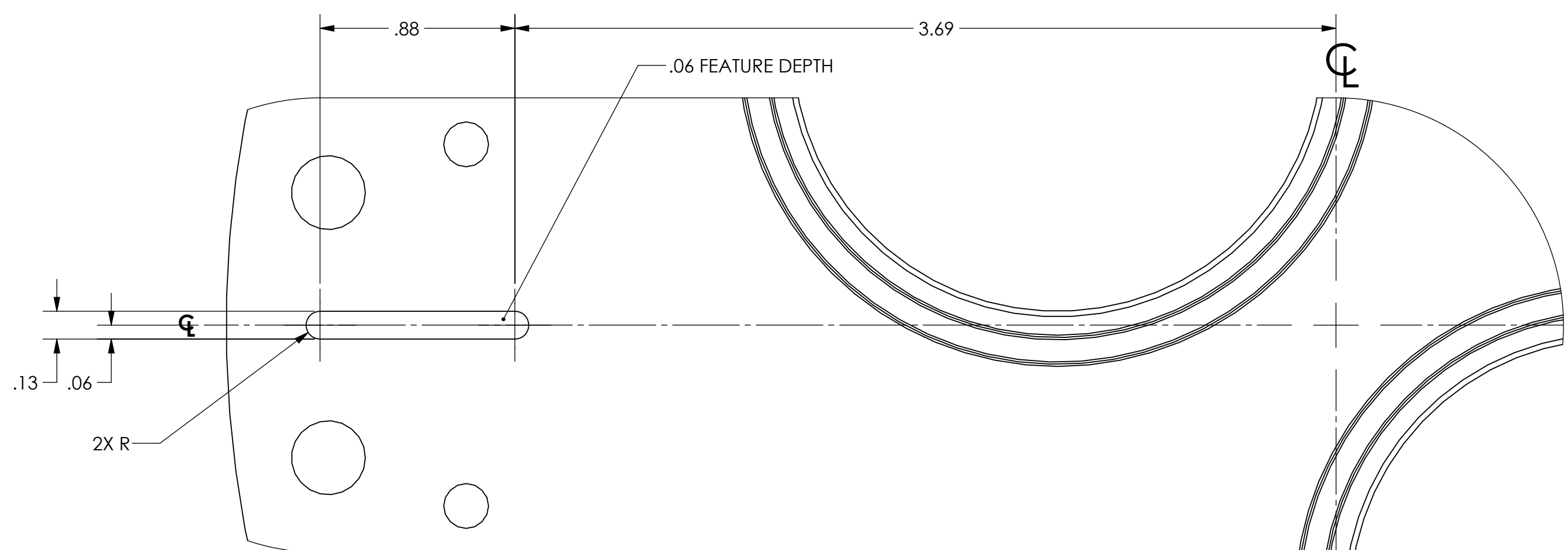
SECTION G-G



SECTION H-H



SECTION AC-AC
(ROTATED 22.5 DEGREES CW)



DETAIL AB
SCALE 2:1