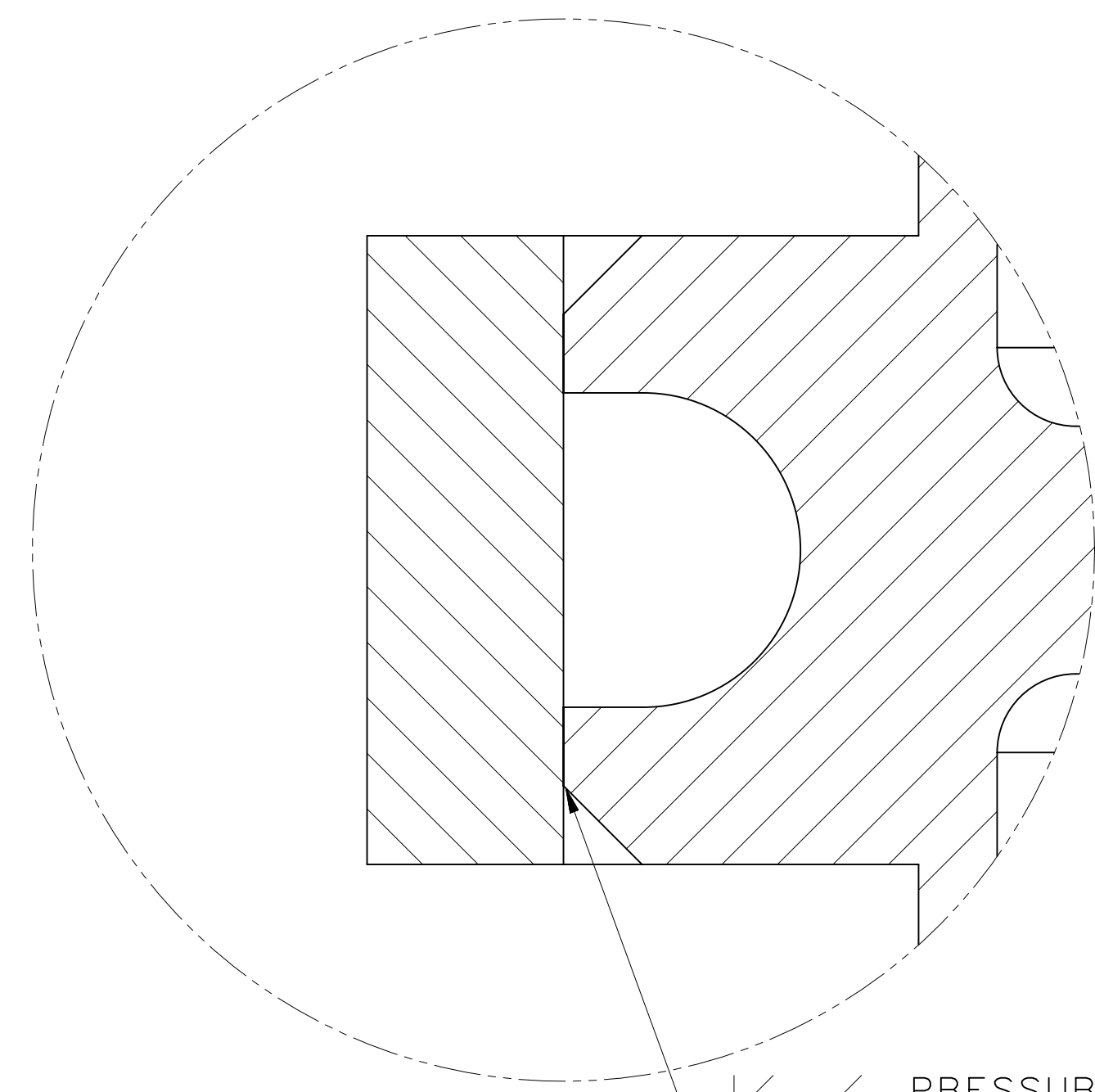
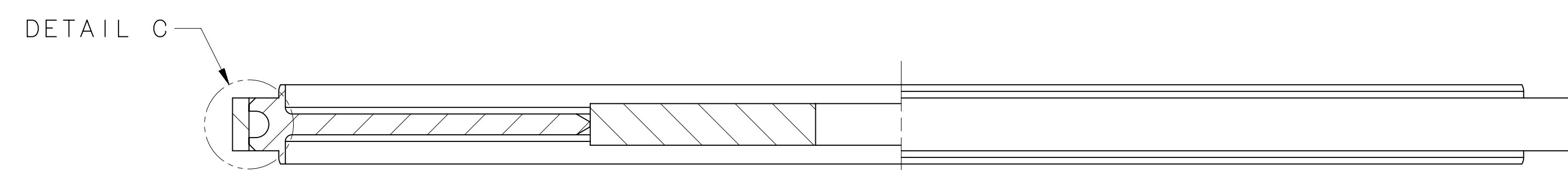


REVISION HISTORY				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	A	ADDED APERTURE CENTER PLATE ITEM 4.	6/16/14	
	B	ADDED APERTURE CENTER PLATE ITEM 3. ADDED SHEET 3 TO SHOW ITEM 3. ADDED NEW DETAIL VIEWS TO SHEET 3. MODIFIED SHEET 2 AND REMOVED THE TUBE ITEM 2 FROM ITEM 1. MODIFIED ITEM 2 SO THAT IT IS NOT VERTICAL ON ITEM 1 BUT AT A *7 ANGLE	02 JUL 14	T. MICHALSKI
			02 JUL 14	W. CRAHEN

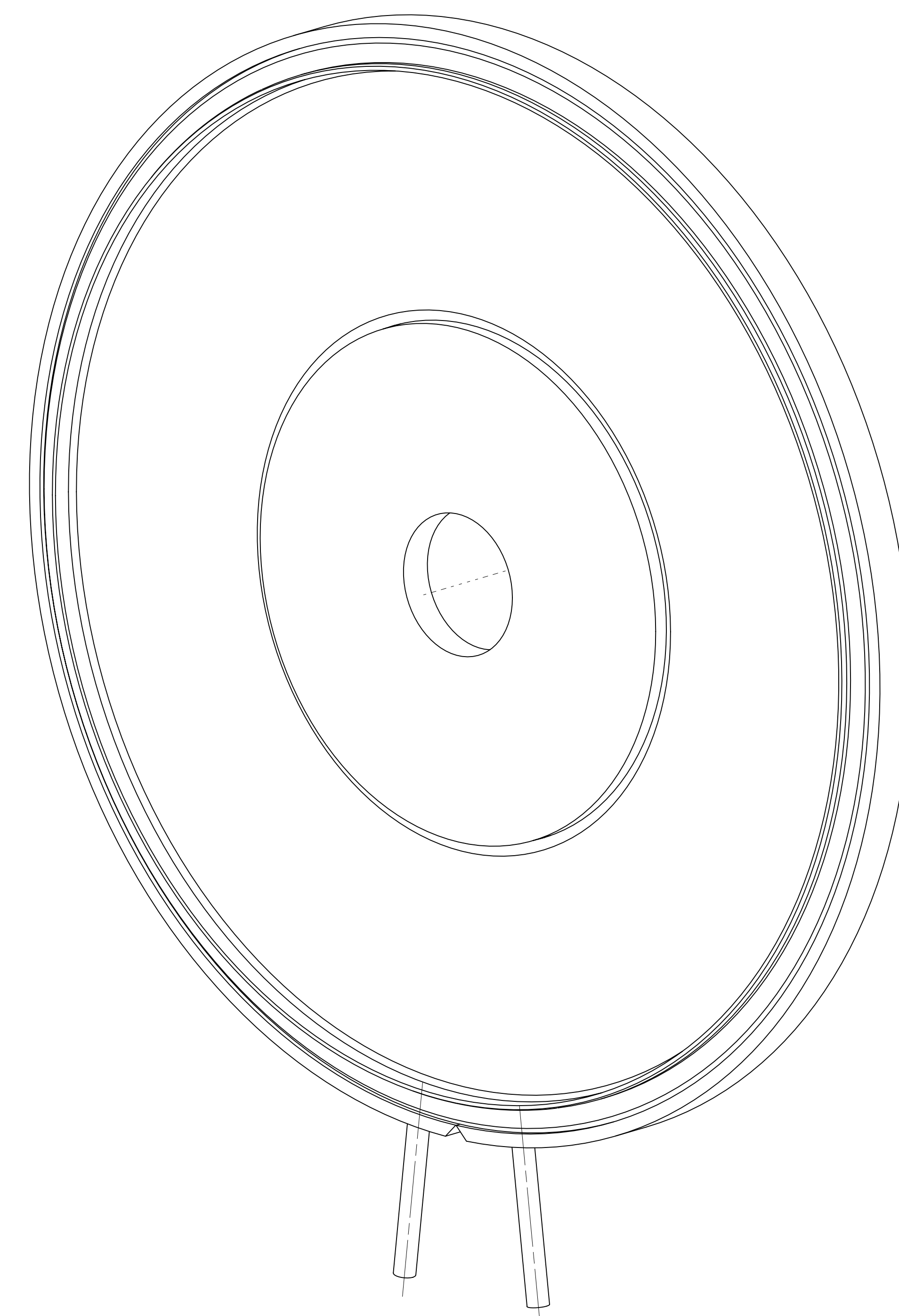


DETAIL C
SCALE 4:1

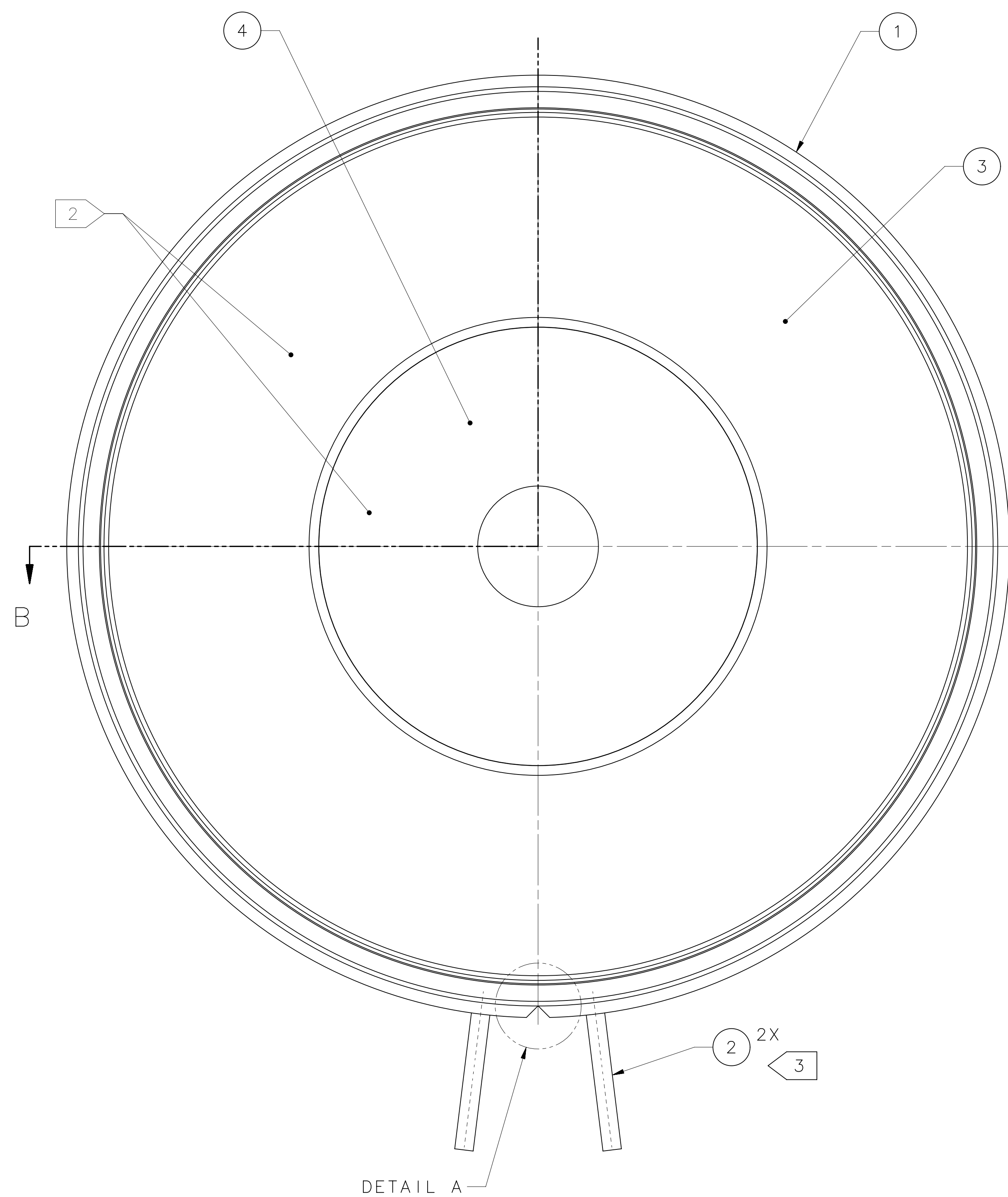
←←← PRESSURE BOUNDARY
LEAK CHECK



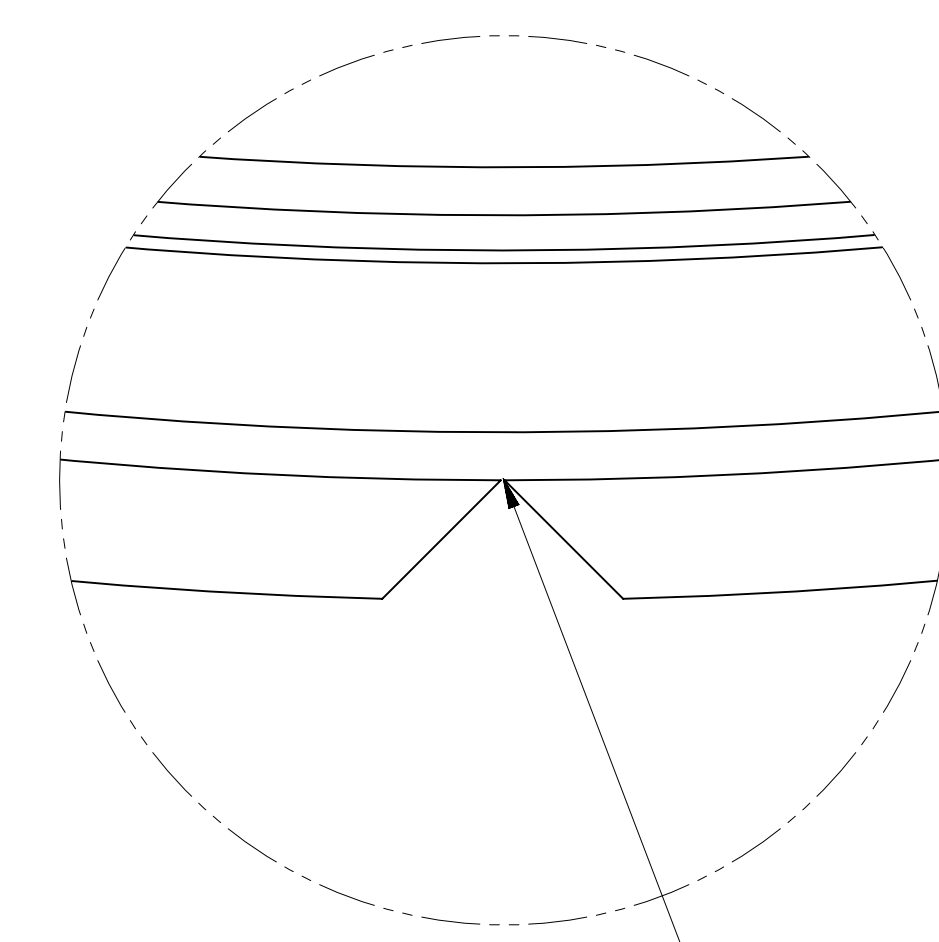
SECTION B-B



ISOMETRIC VIEW
SCALE 1:2



DETAIL A
SCALE 2:1



DETAIL A
SCALE 2:1

CJP
VAC
TIGHT

NOTES:

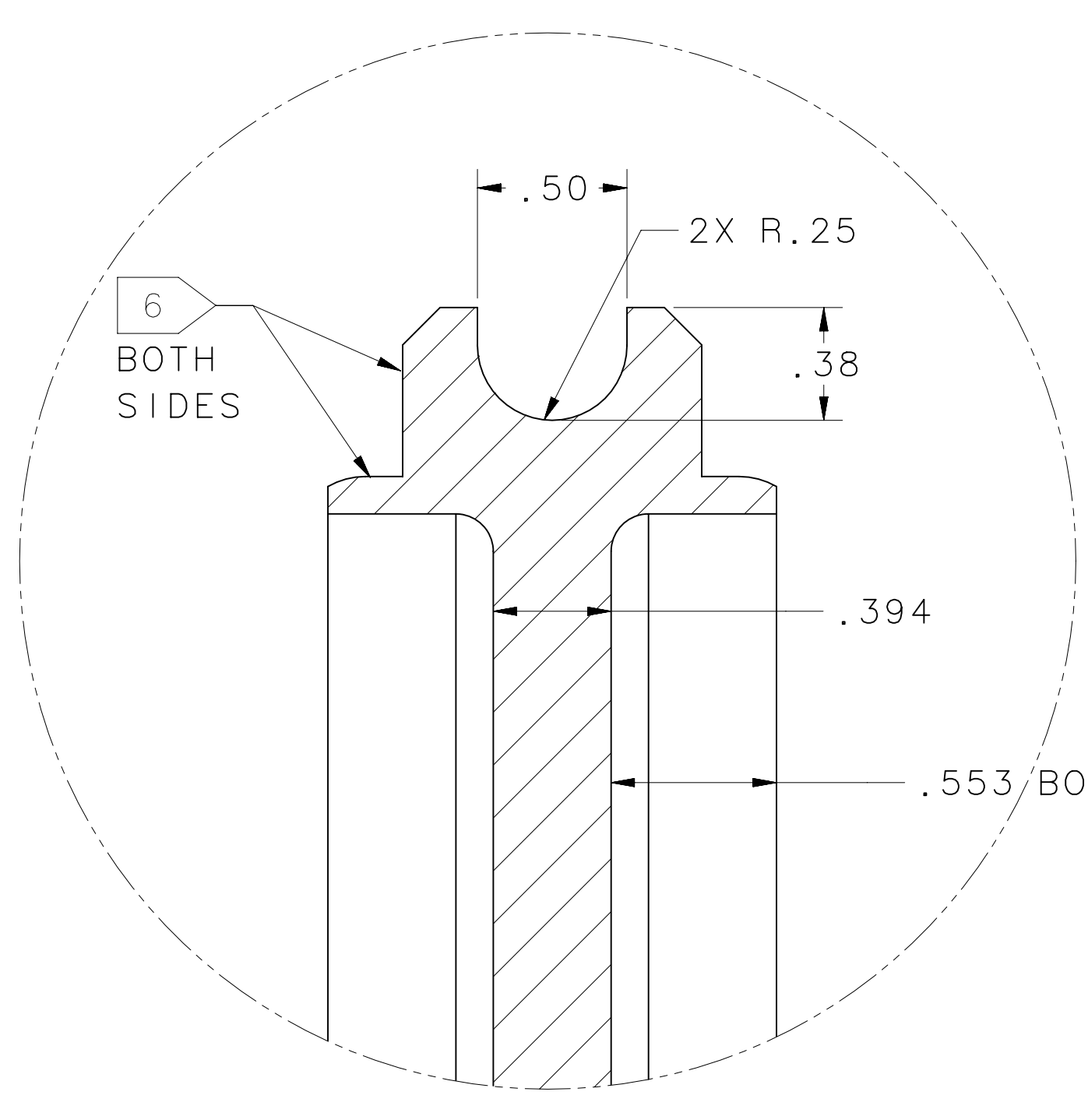
- FOR ALL WELD INFORMATION REFERENCE SOW.
 - BLACK ANODIZE BOTH SIDES OF ITEM 1 (JL0012455) AND ITEM 4 (JL0016565) FOR HEAT DISSIPATION AFTER WELDING.
 - SUGGESTED VENDOR OR JLAB EQUIVALENT.
- McMASTER-CARR
200 NEW CANTON WAY
ROBBINSVILLE, NJ 08691-2343
PHONE: 609-689-3000
- CAP TUBE AND HYDROSTATIC PRESSURE AS IT'S PART OF B31.9 PRESSURE SYSTEM TEST TO 150 PSI AND PROVIDE WRITTEN CONFIRMATION.
 - ANNEAL ITEMS 1 & 4 (IF REQUIRED) PRIOR TO WELDING.
 - MACHINE IN THIS AREA AFTER ANODIZE TO PREP FOR WELDING ITEM 2 AND ASSEMBLY WELD INTO SPOOL

QTY	ITEM NO.	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	MATERIAL SPECIFICATION	NOTES
1	4		APERTURE CENTER PLATE	ALUMINUM ALLOY 5052-0	
1	3		VACUUM TUBE APERTURE PLATE	ALUMINUM ALLOY 6061-0	
2	2		.50 ALUMINUM TUBE	ALUMINUM ALLOY 5052-H32	
1	1		VACUUM TUBE APERTURE INPUT/OUTPUT	ALUMINUM ALLOY 5052-H32	

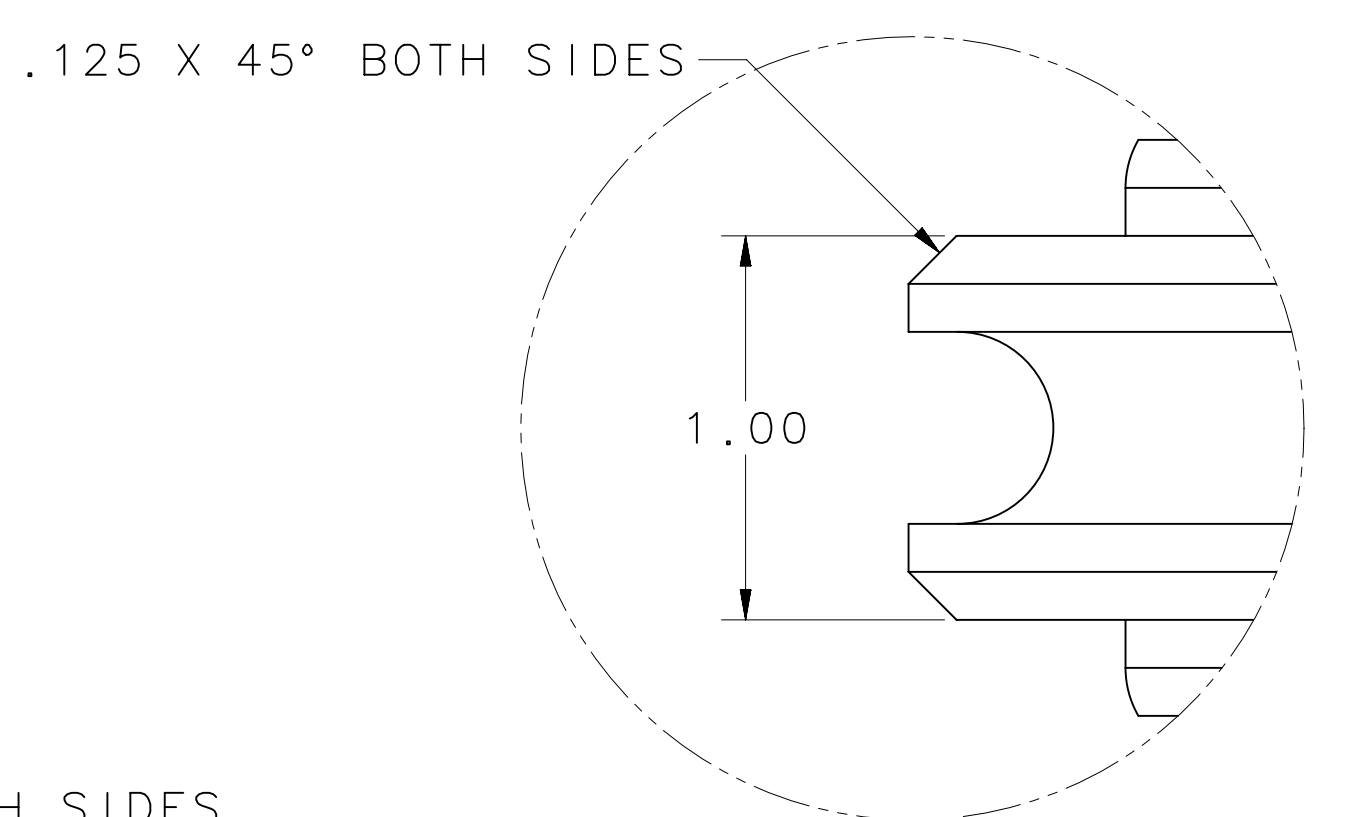
FOR JLAB INTERNAL USE ONLY	
ALL WELDS ON THIS DRAWING ARE AS DEFINED BY JLAB ES & H MANUAL, WELDING & BRAZING PROGRAM SUPPLEMENT.	
WELD CLASS	WELD SPECIFICATION
B	AWS D1.2
	WELD ANALYSIS
	TBD

FINISH	UNLESS OTHERWISE NOTED
MACHINED SURFACES	125
DEBURR & BREAK ALL SHARP EDGES	
THIRD ANGLE PROJECTION	
DO NOT SCALE DRAWING	
DRAWN	G. HAYS
DATE	04/30/14

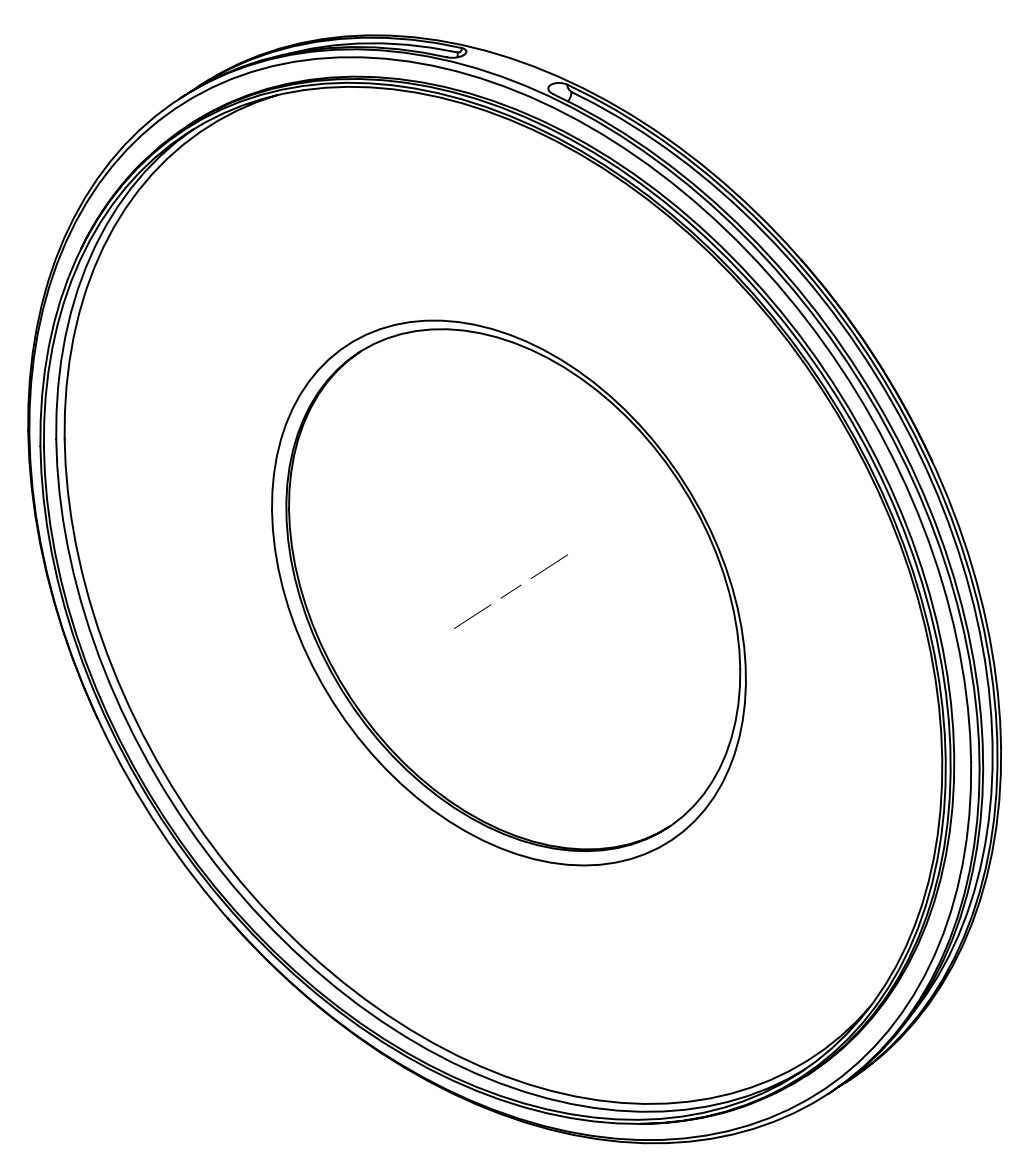
EACH SHEET OF MULTI-SHEET DRAWINGS SHALL ALWAYS HAVE THE SAME REVISION LEVEL.	
SEE PARTS LIST	
UNITED STATES DEPARTMENT OF ENERGY	Jefferson Lab Thomas Jefferson National Accelerator Facility
VAC TUBES AND CHAMBERS TUBES AND ASSEMBLIES VACUUM TUBE APERTURE PLATE ASSEMBLY	
SIZE	DWG. NO.
E	JL0014254
SCALE	1:2
ISS. OR ASSY NO.	JL0009934
SHEET	1 OF 3



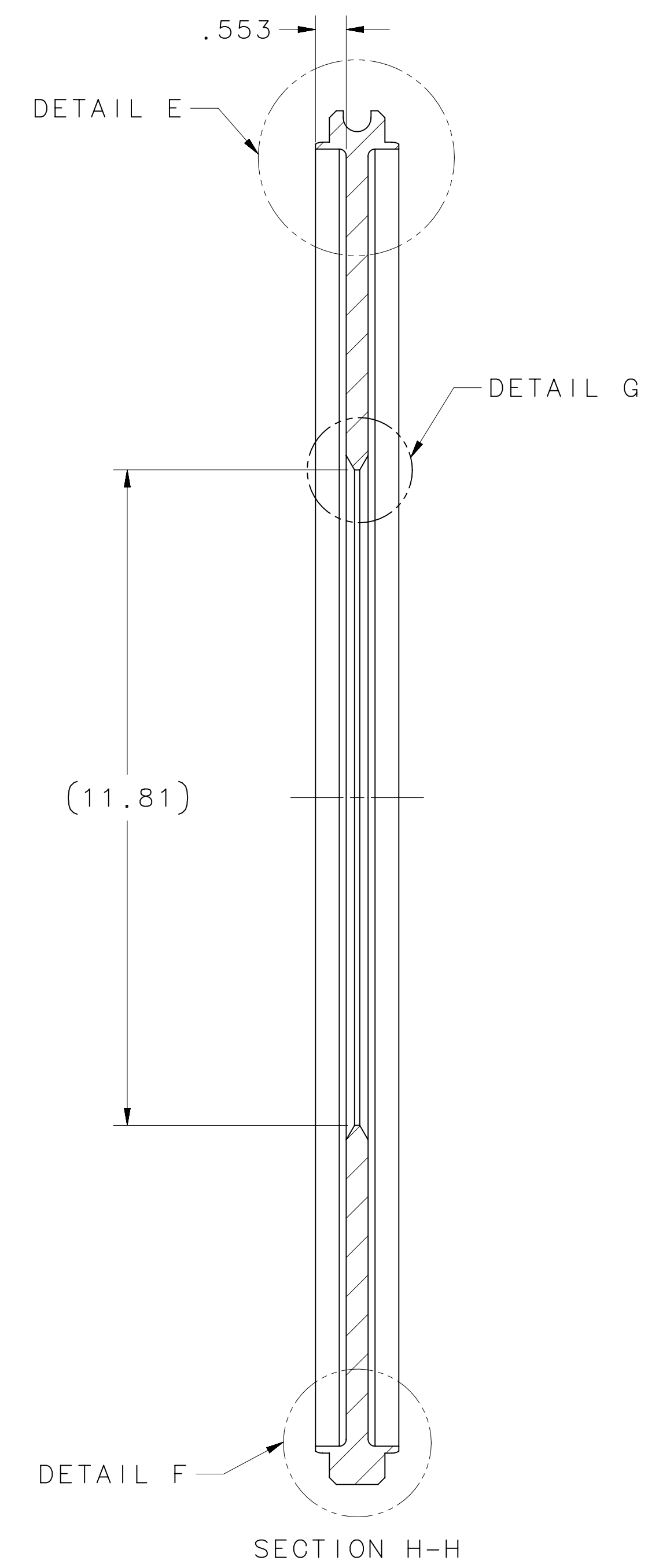
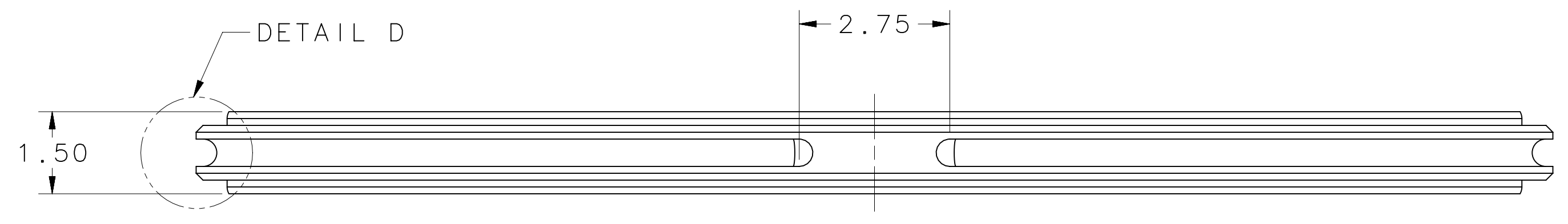
DETAIL E
SCALE 2:1



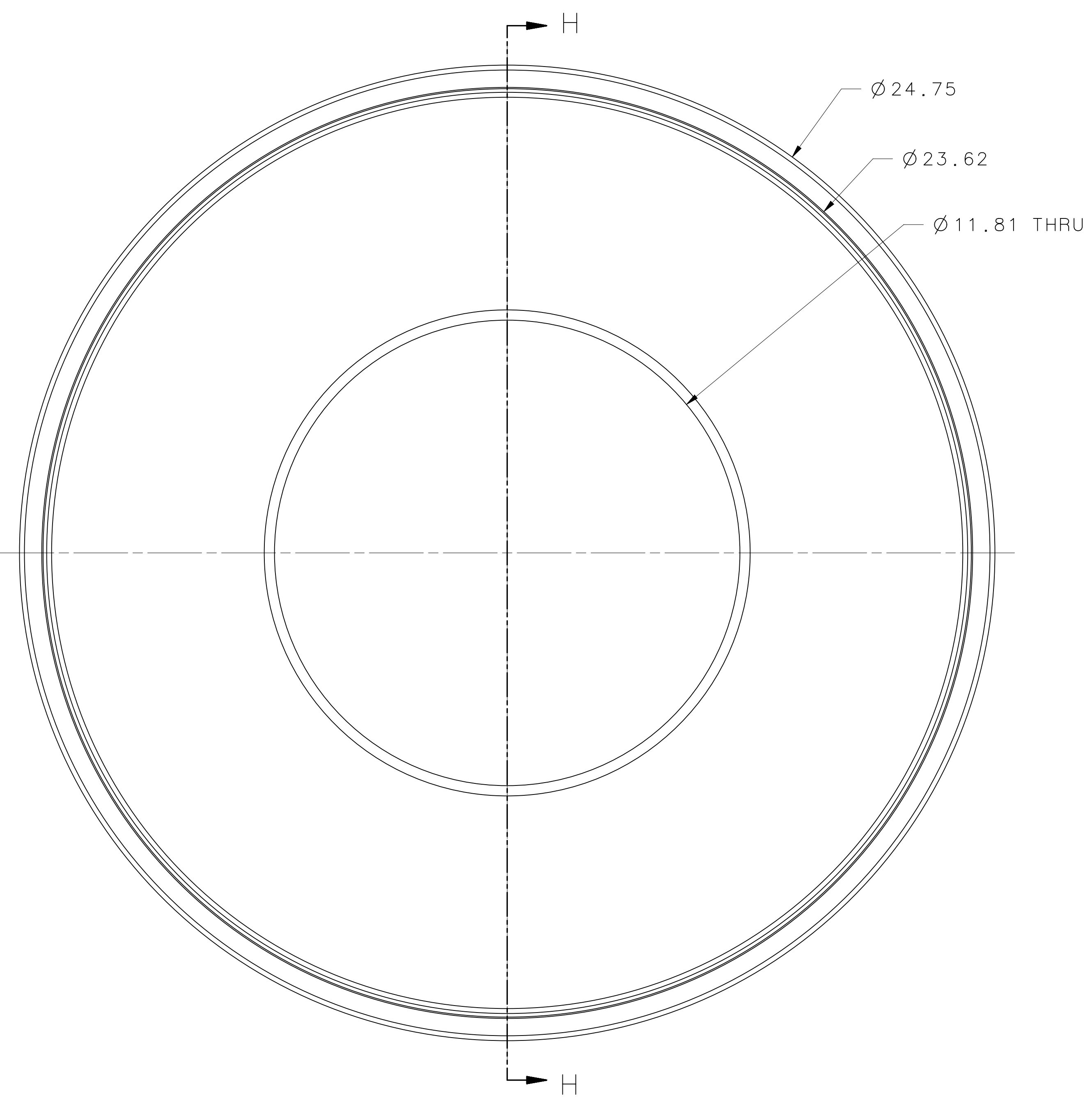
DETAIL D
SCALE 2:1



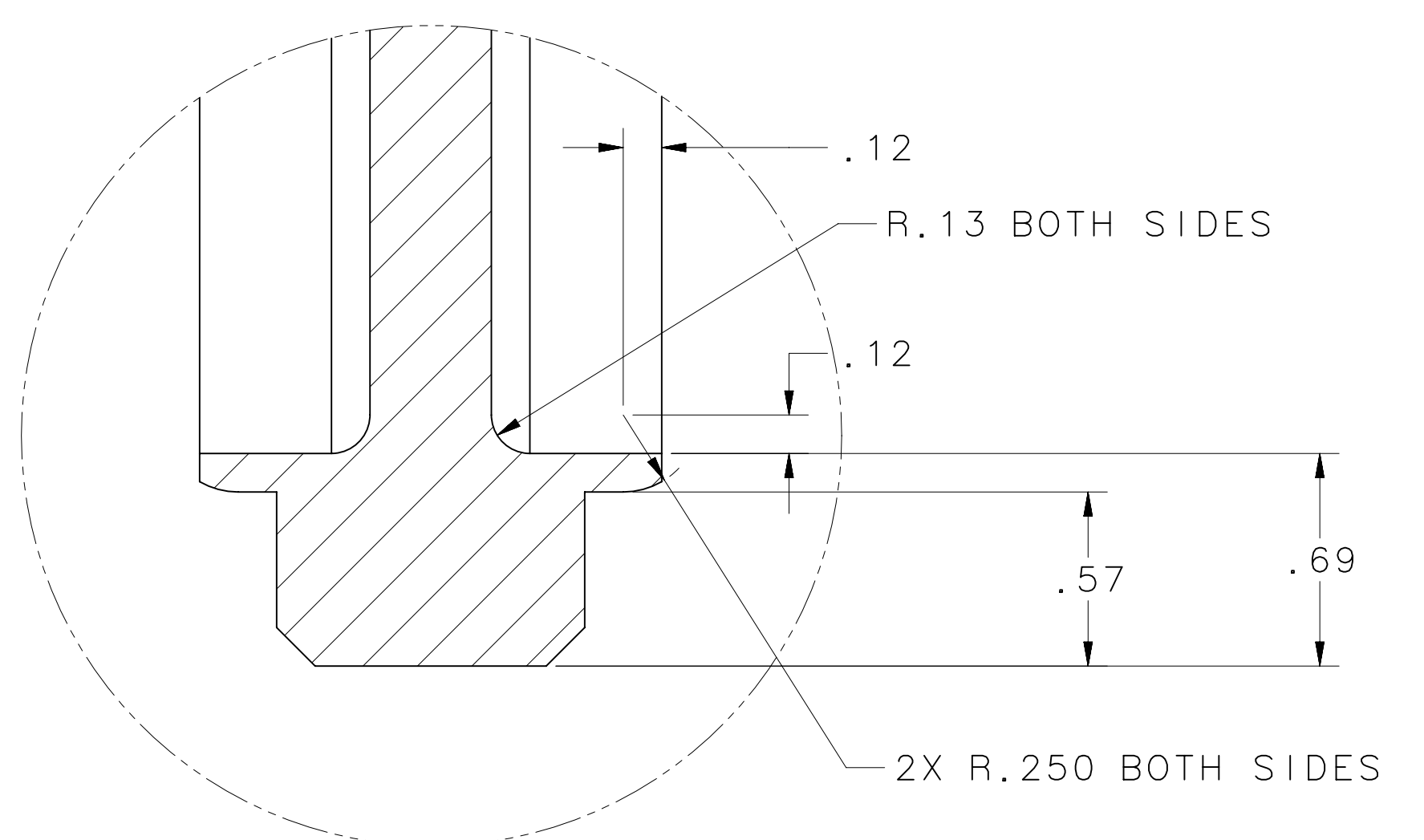
ISOMETRIC VIEW
SCALE: 1/4



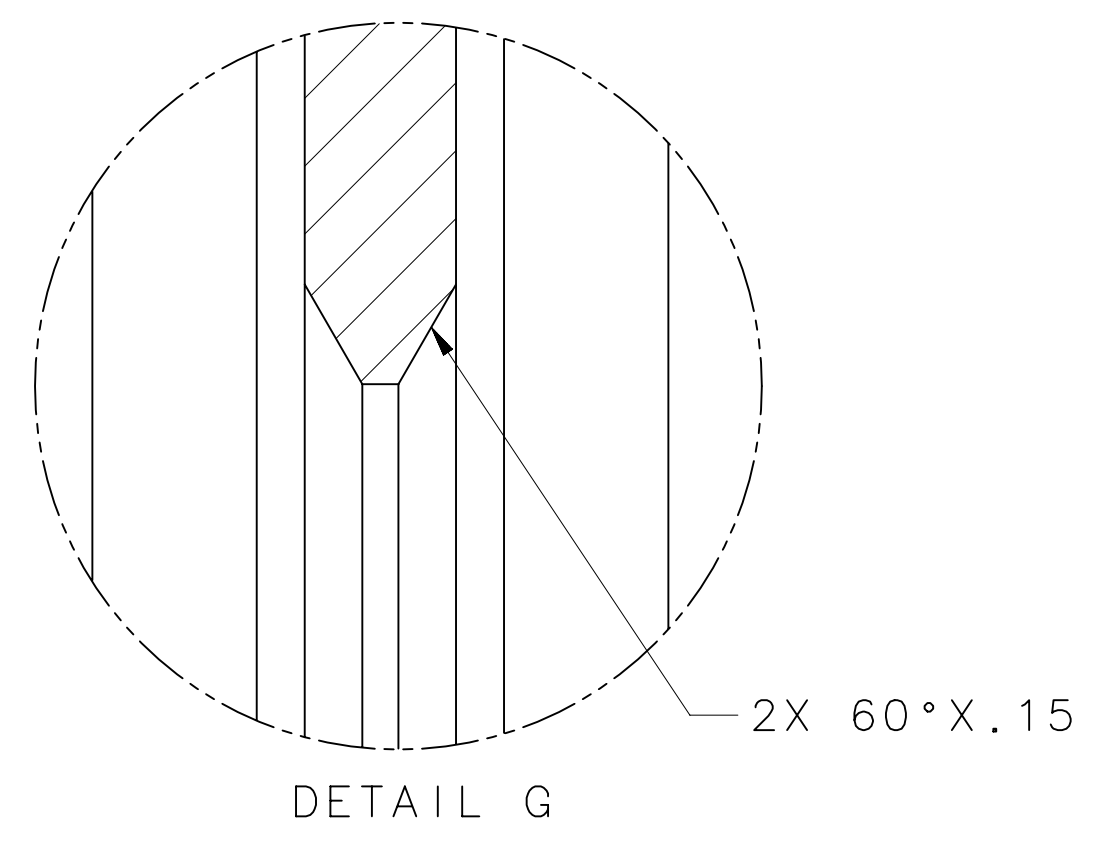
SECTION H-H



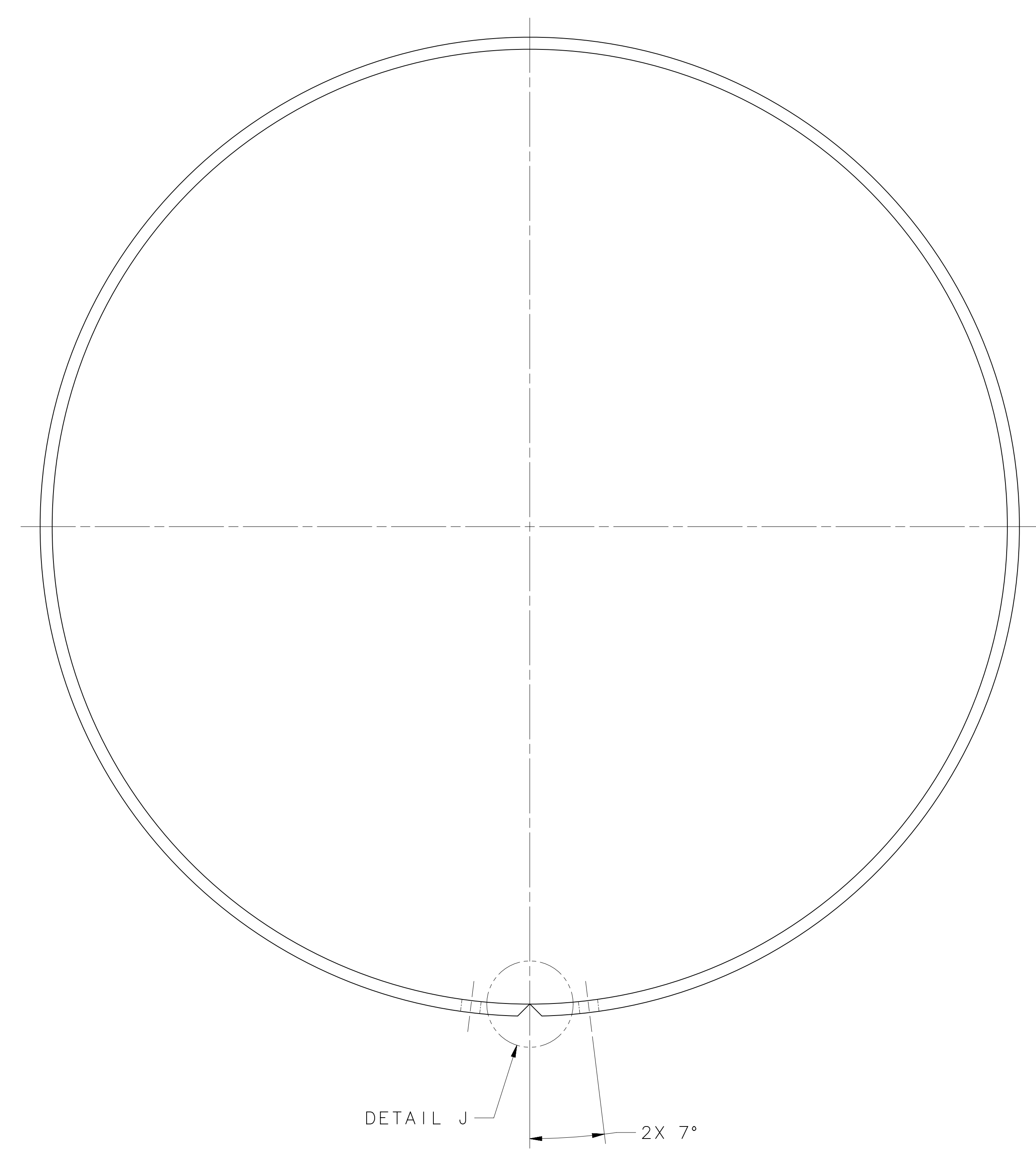
VACUUM TUBE APERTURE PLATE
SCALE 1:2
ITEM 3



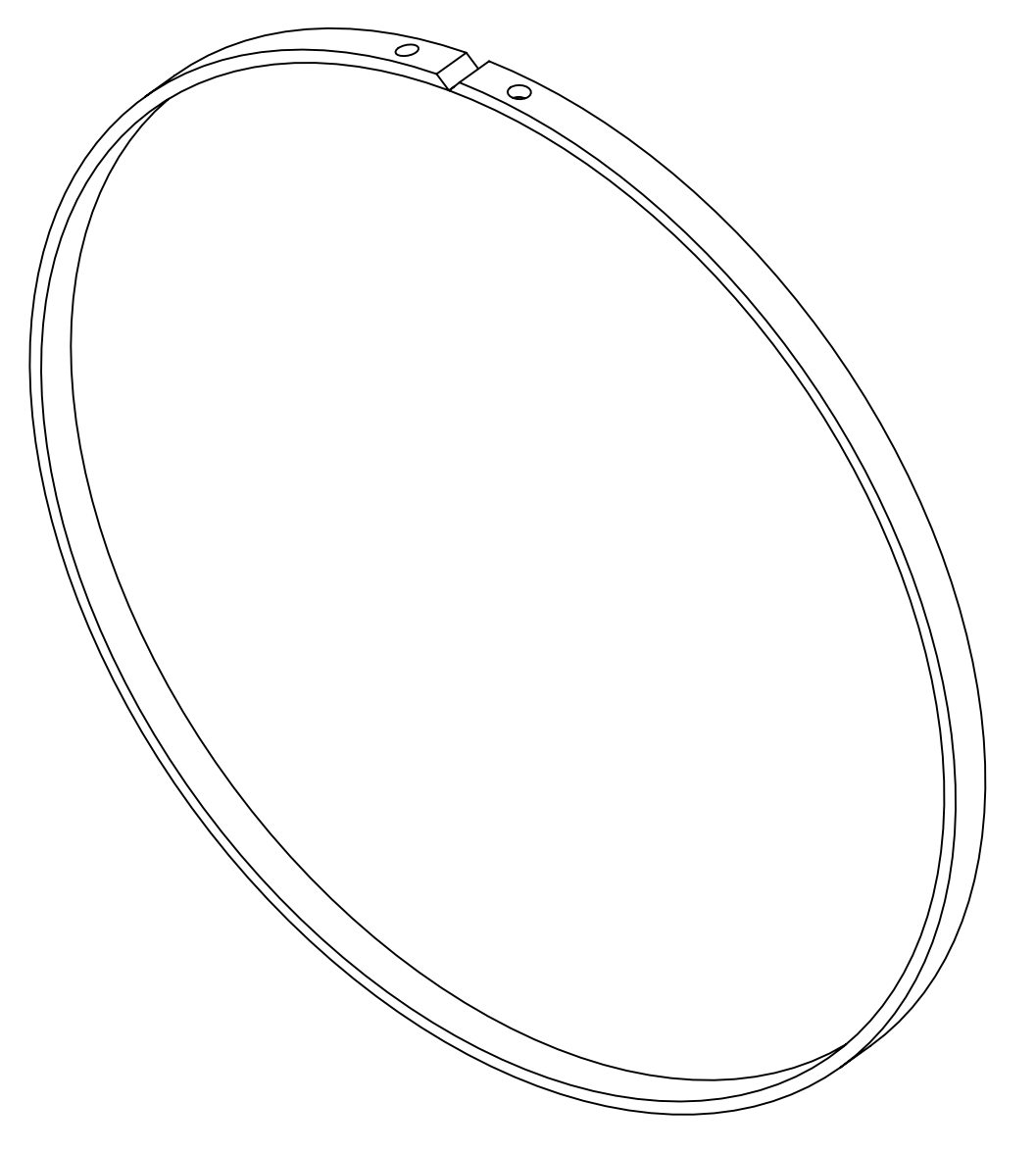
DETAIL F
SCALE 2:1



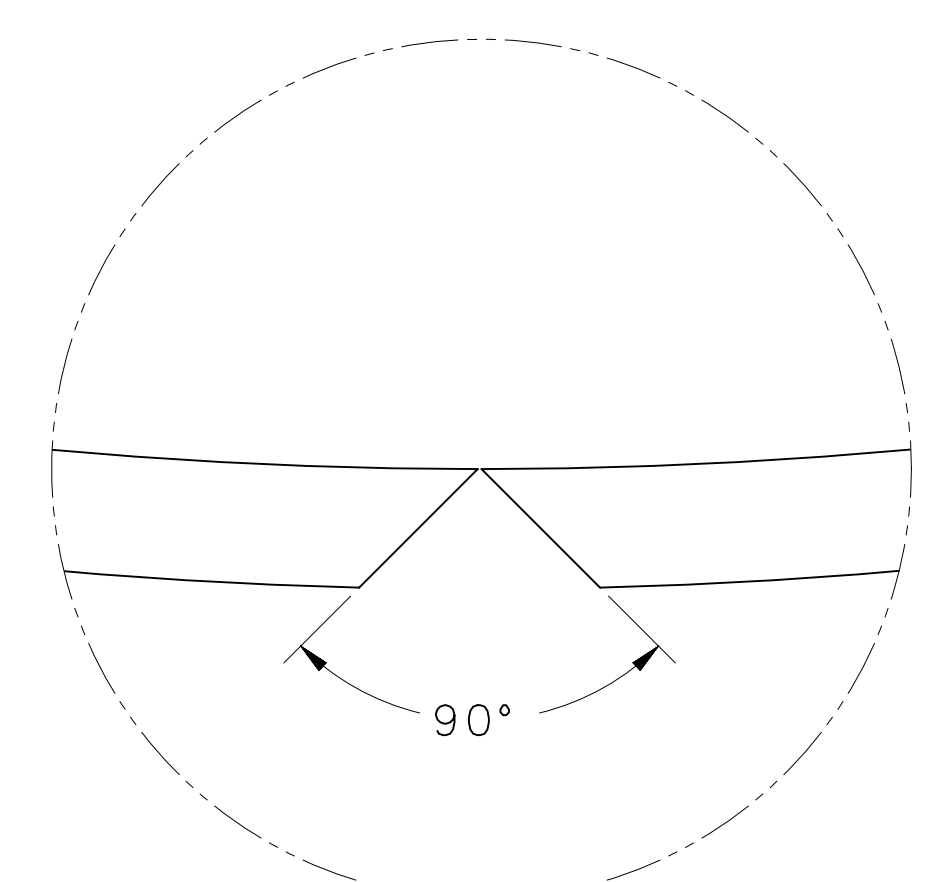
DETAIL G
SCALE 2:1



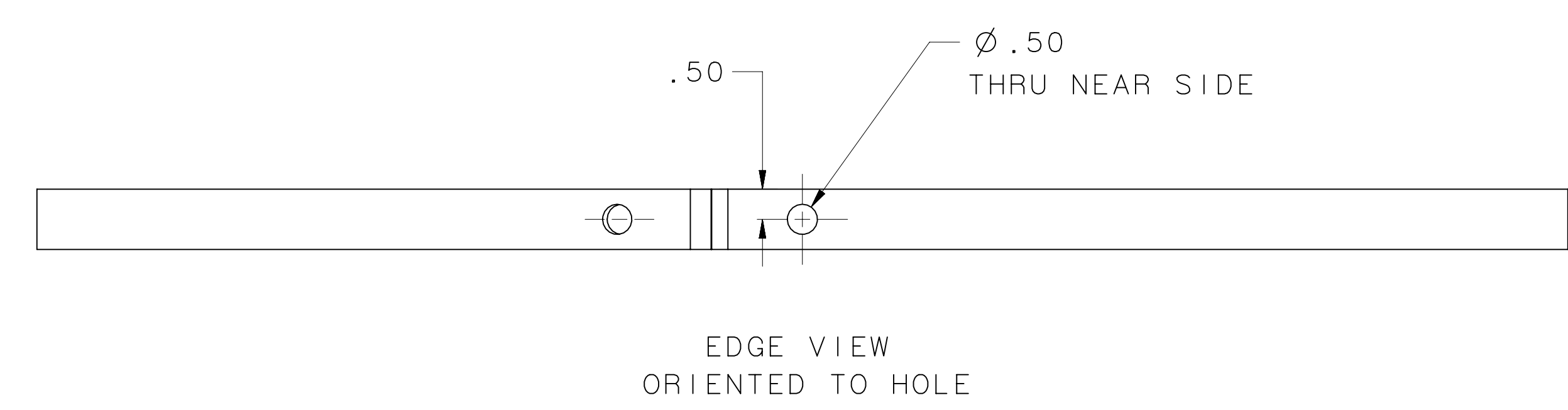
VACUUM TUBE APERTURE INPUT/OUTPUT
AND TUBES
SCALE 1:2
ITEM 1



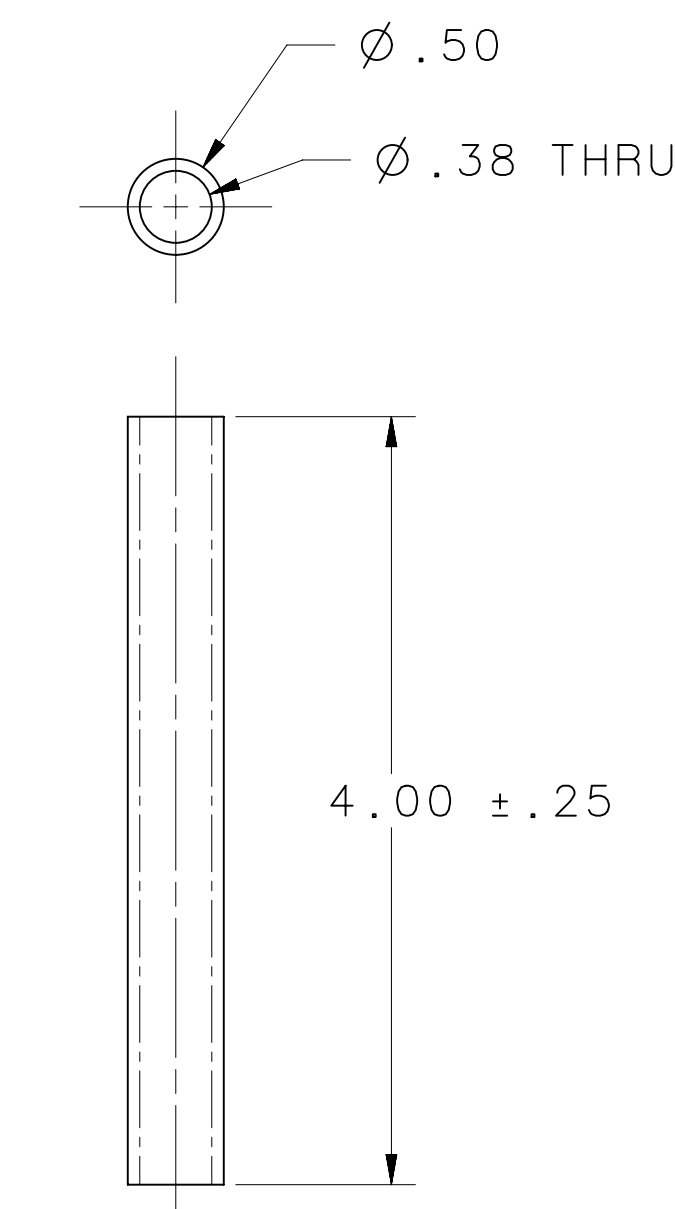
ISOMETRIC VIEW
SCALE: 1/4



DETAIL J
SCALE 2:1



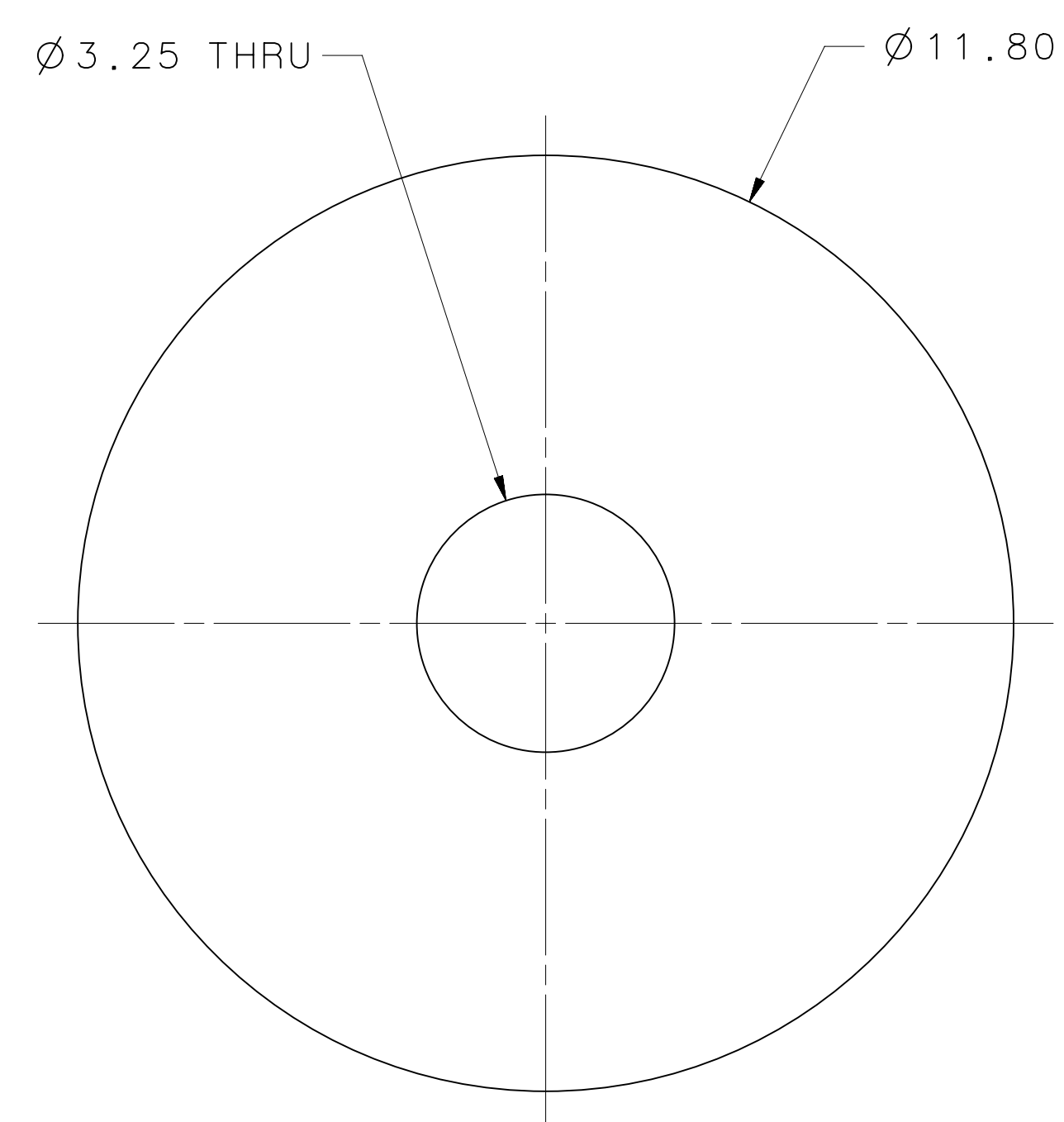
EDGE VIEW
ORIENTED TO HOLE



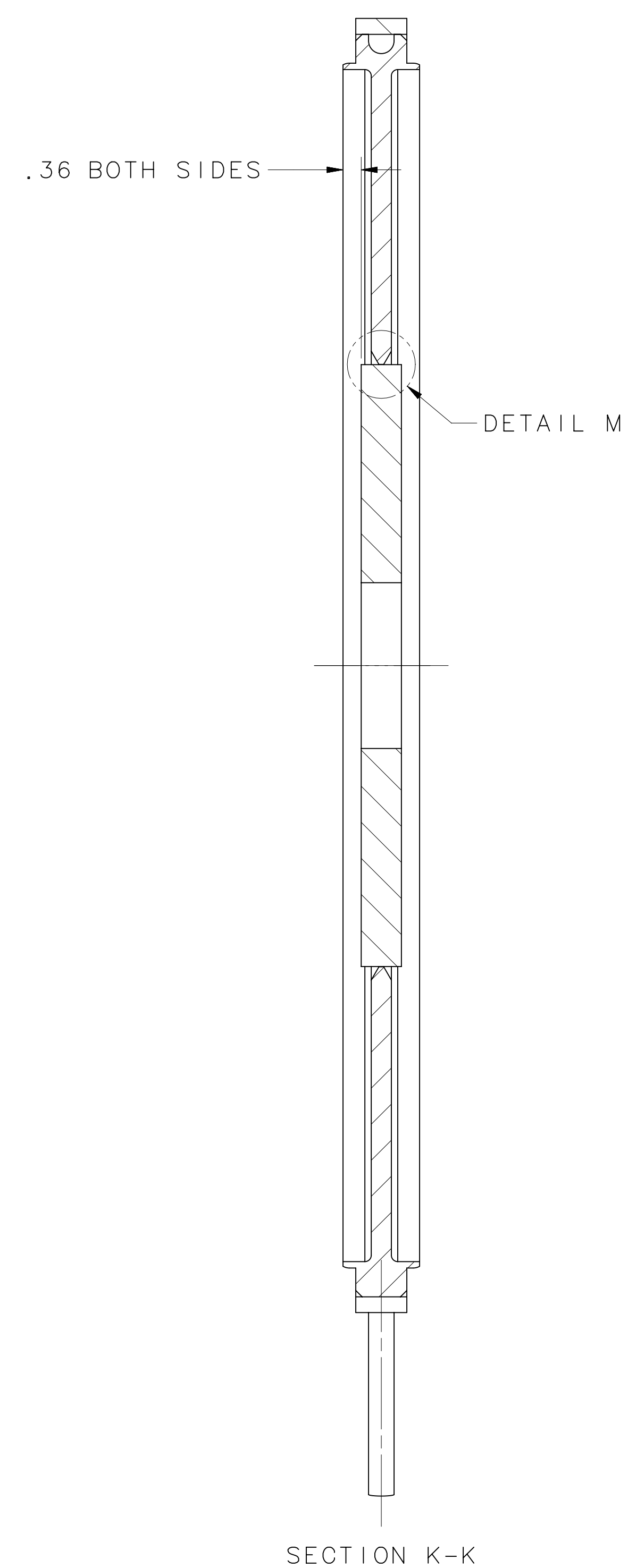
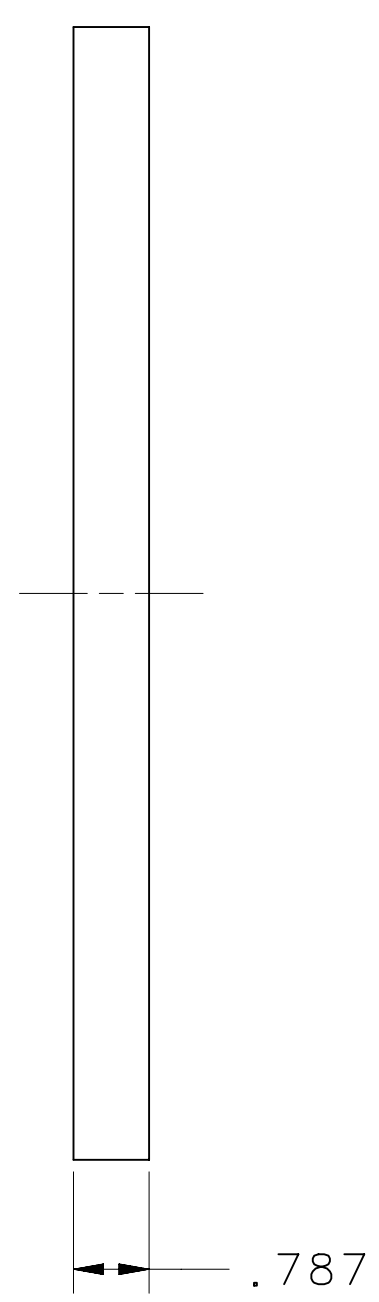
ALUMINUM TUBE
SCALE 1:1

ITEM 2

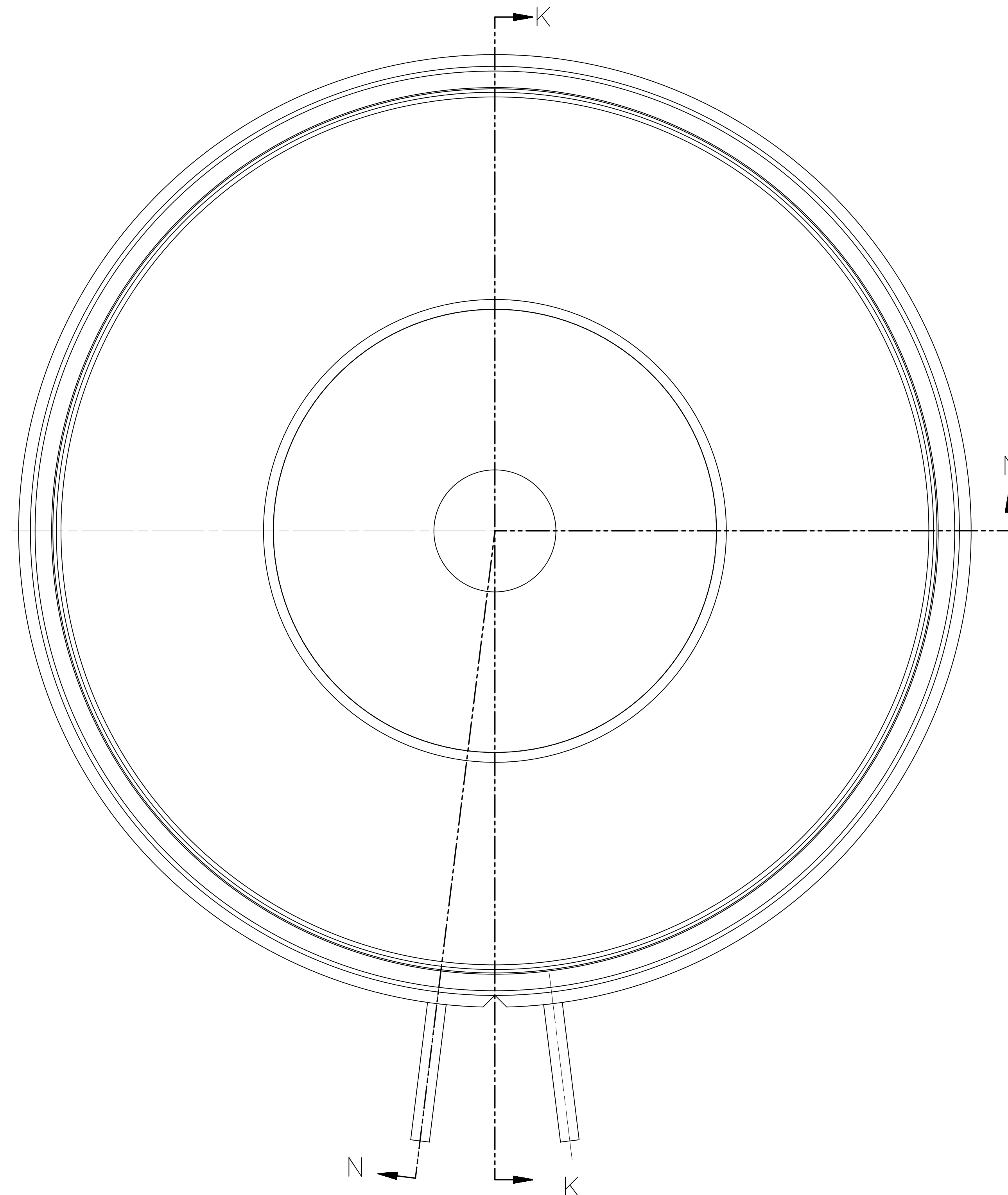
SIZE	DWG. NO.	REV.
E	JL0014254	B
SCALE	1:2	USED ON ASSY NO. JL0009934 SHEET 2 OF 3



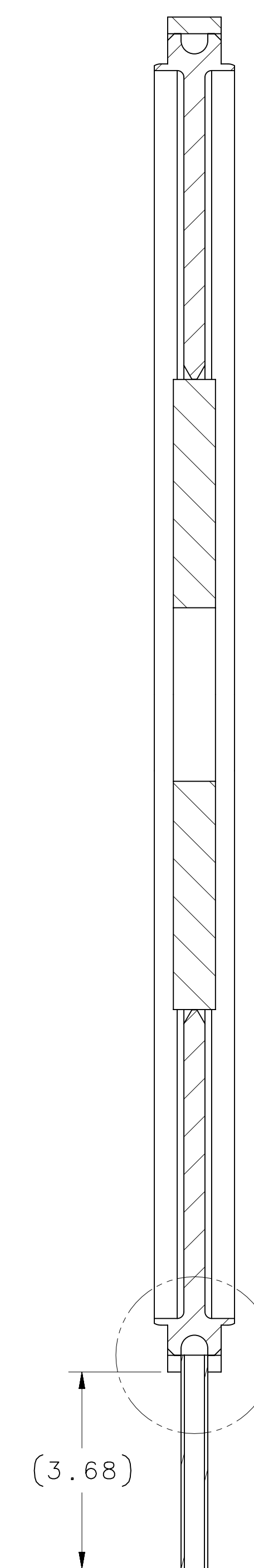
APERTURE CENTER PLATE
ITEM 5



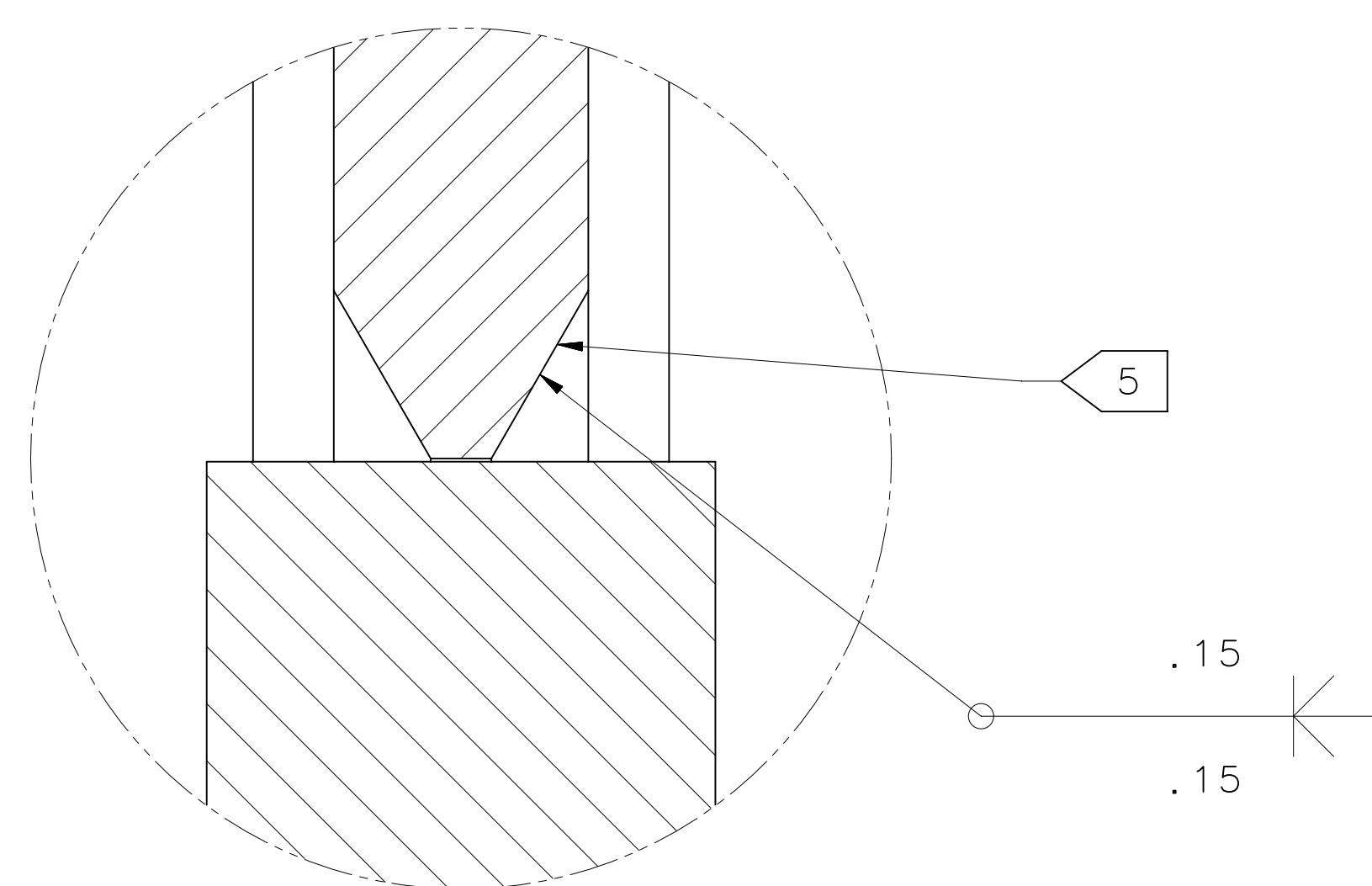
SECTION K-K



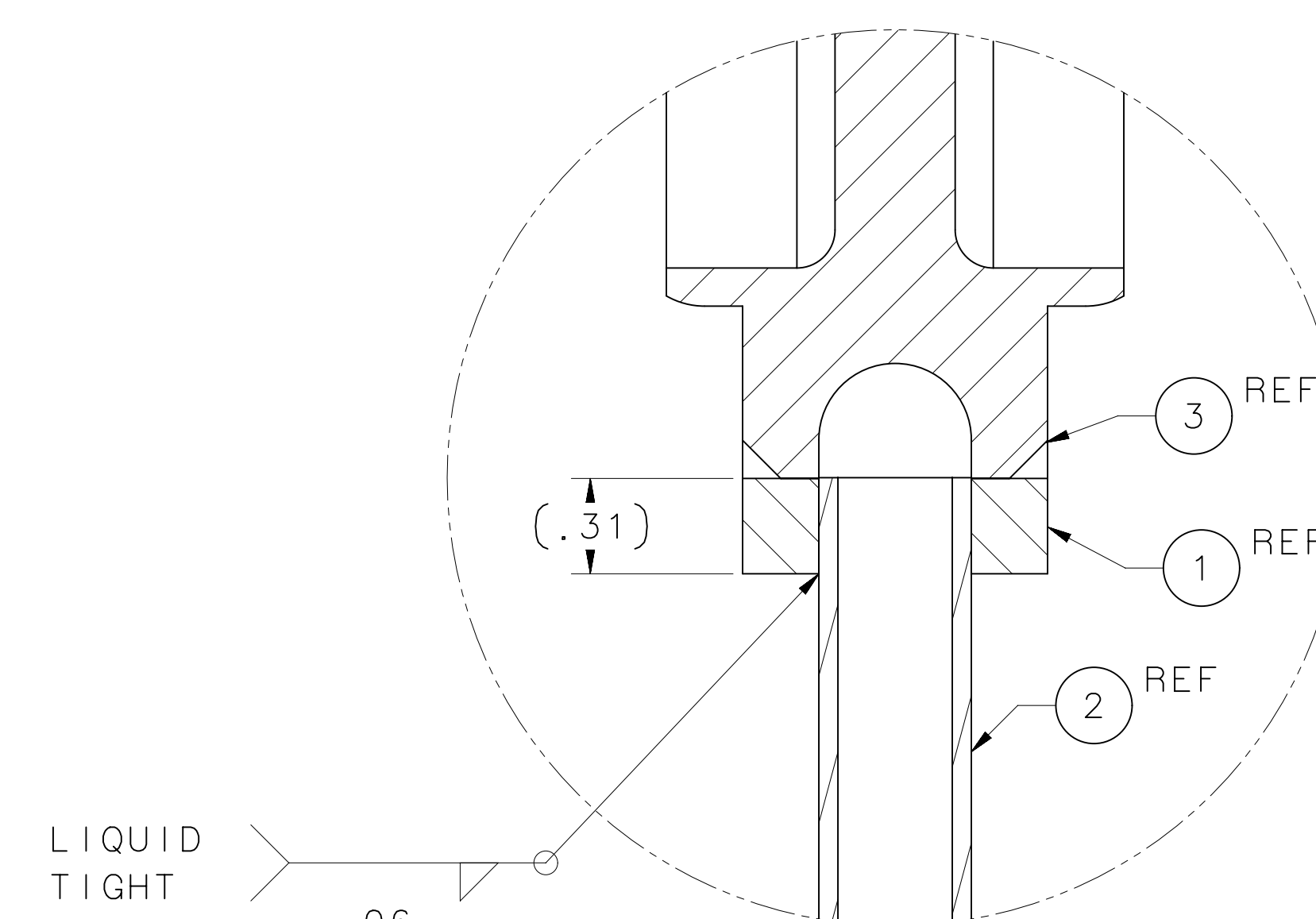
VACUUM TUBE APERTURE PLATE ASSEMBLY



SECTION N-N



DETAIL M
SCALE 4:1



DETAIL L
SCALE 2:1

LIQUID
TIGHT

SIZE	DWG. NO.	REV.
E	JL0014254	B
SCALE	ISS. OR ASSY NO.	SHEET
1:2	JL0009934	3 OF 3