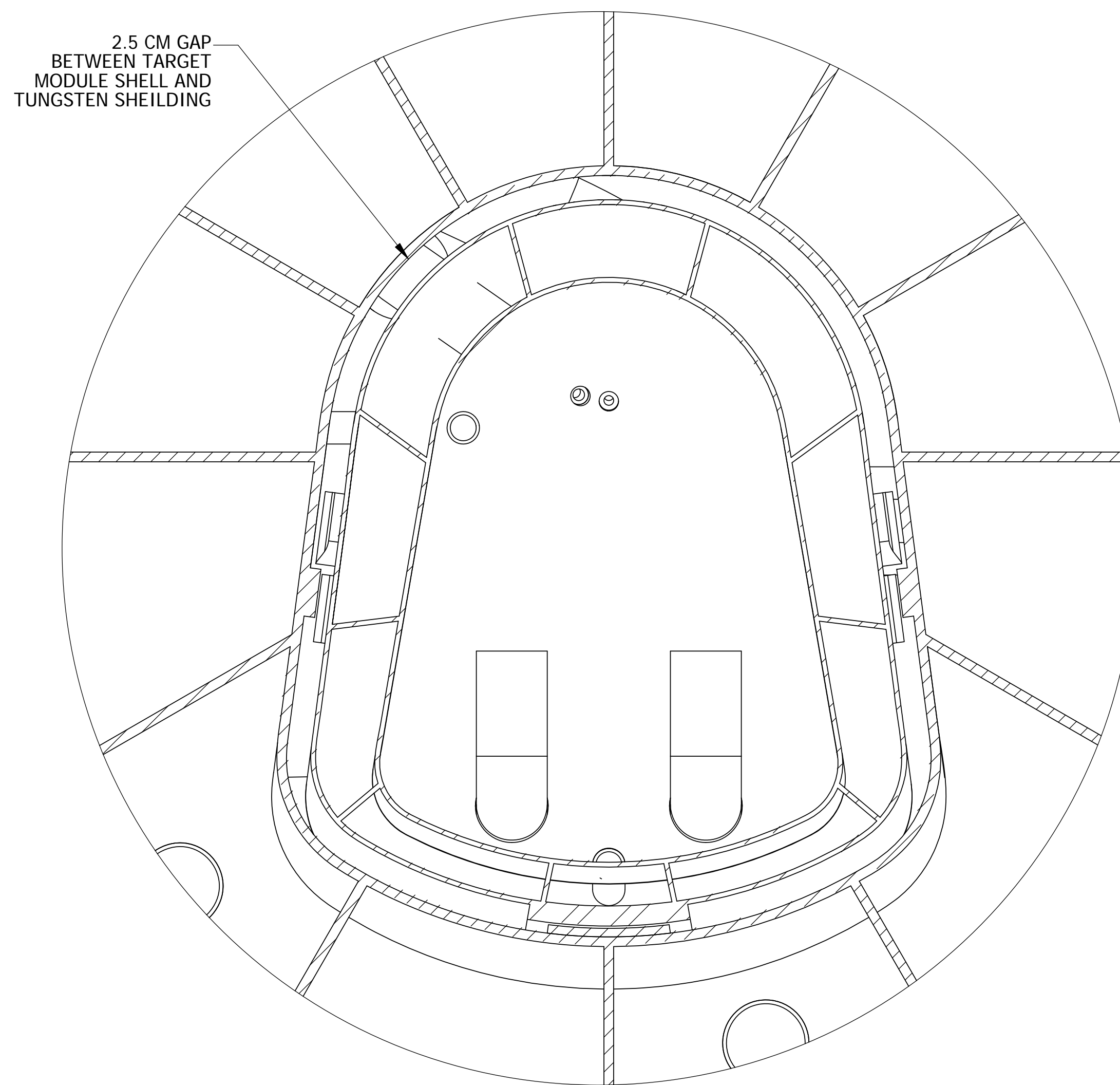


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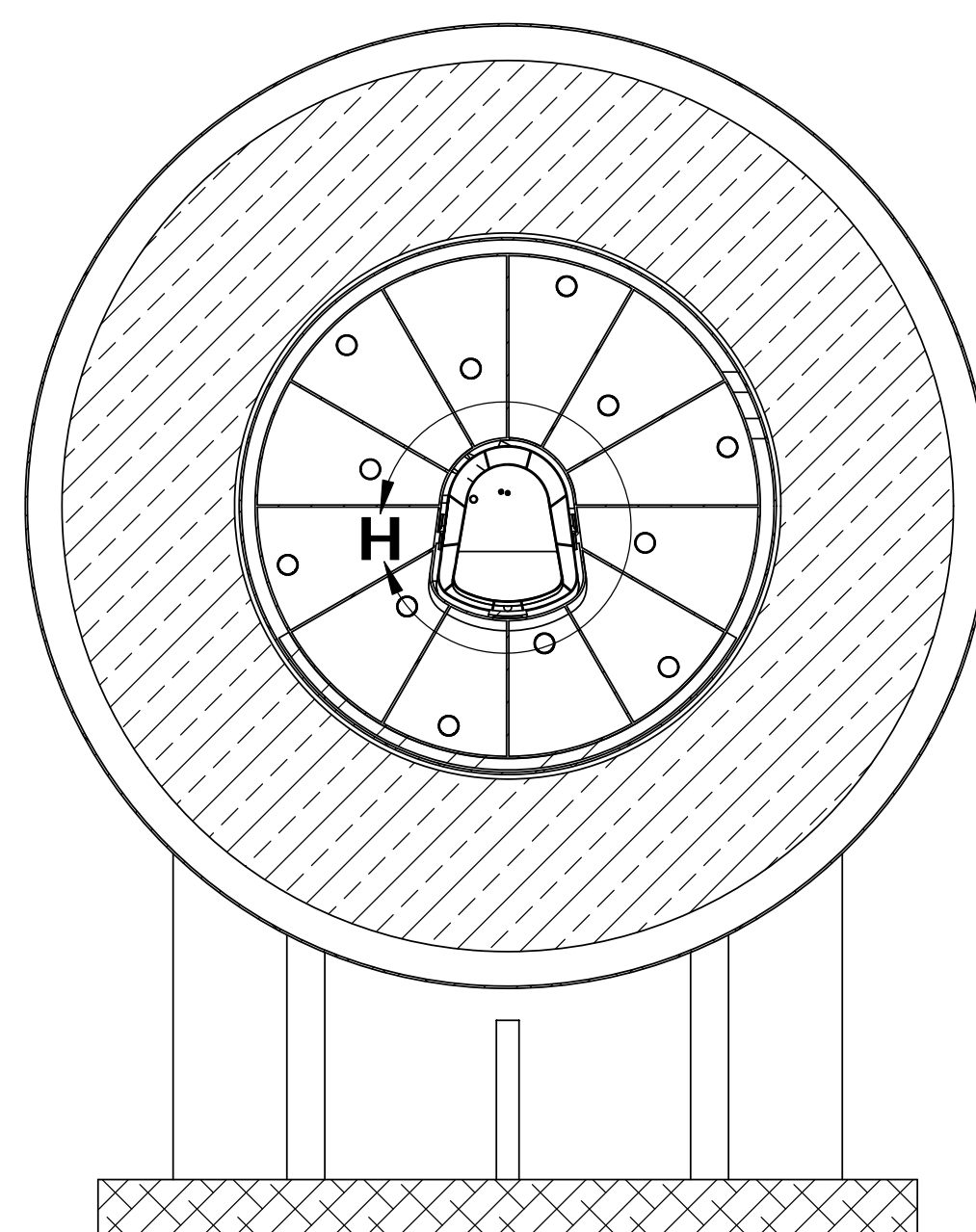
REVISIONS					
REV	DESCRIPTION	BY	DATE	BY	APPROVED

NOTES

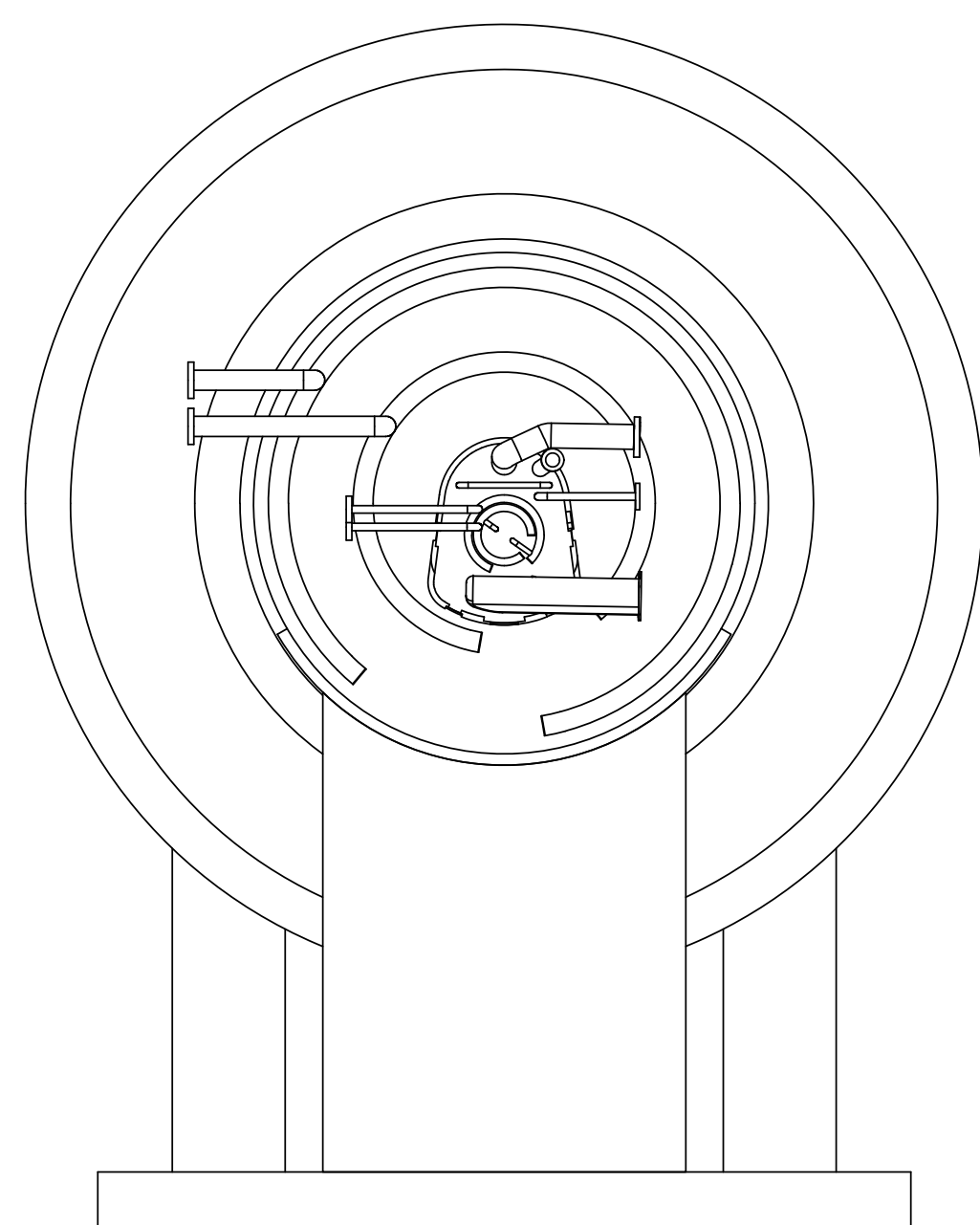
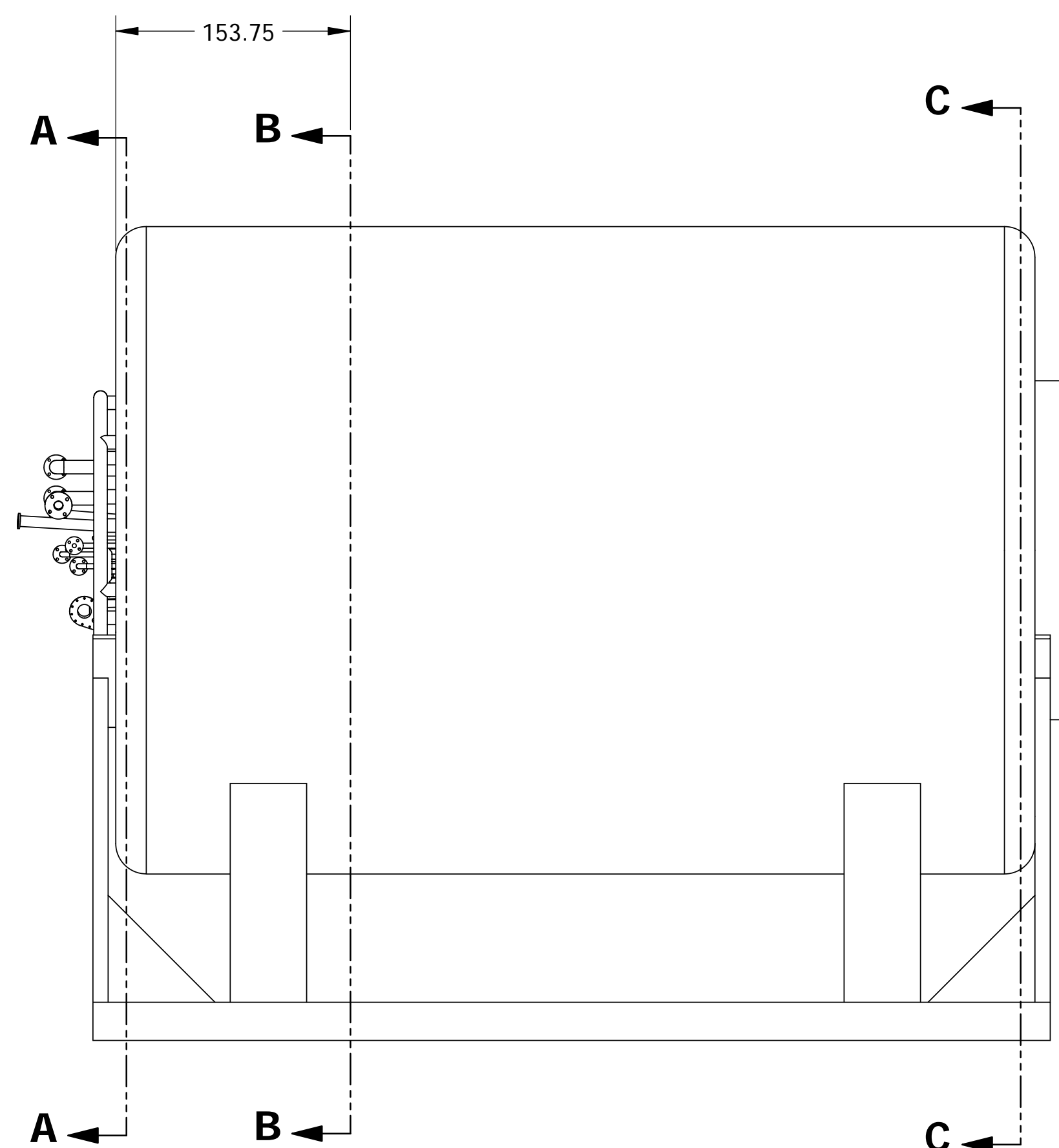
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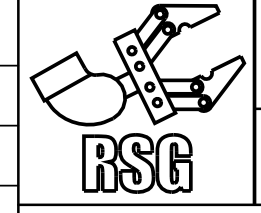


**DETAIL H
SCALE 1 : 4**



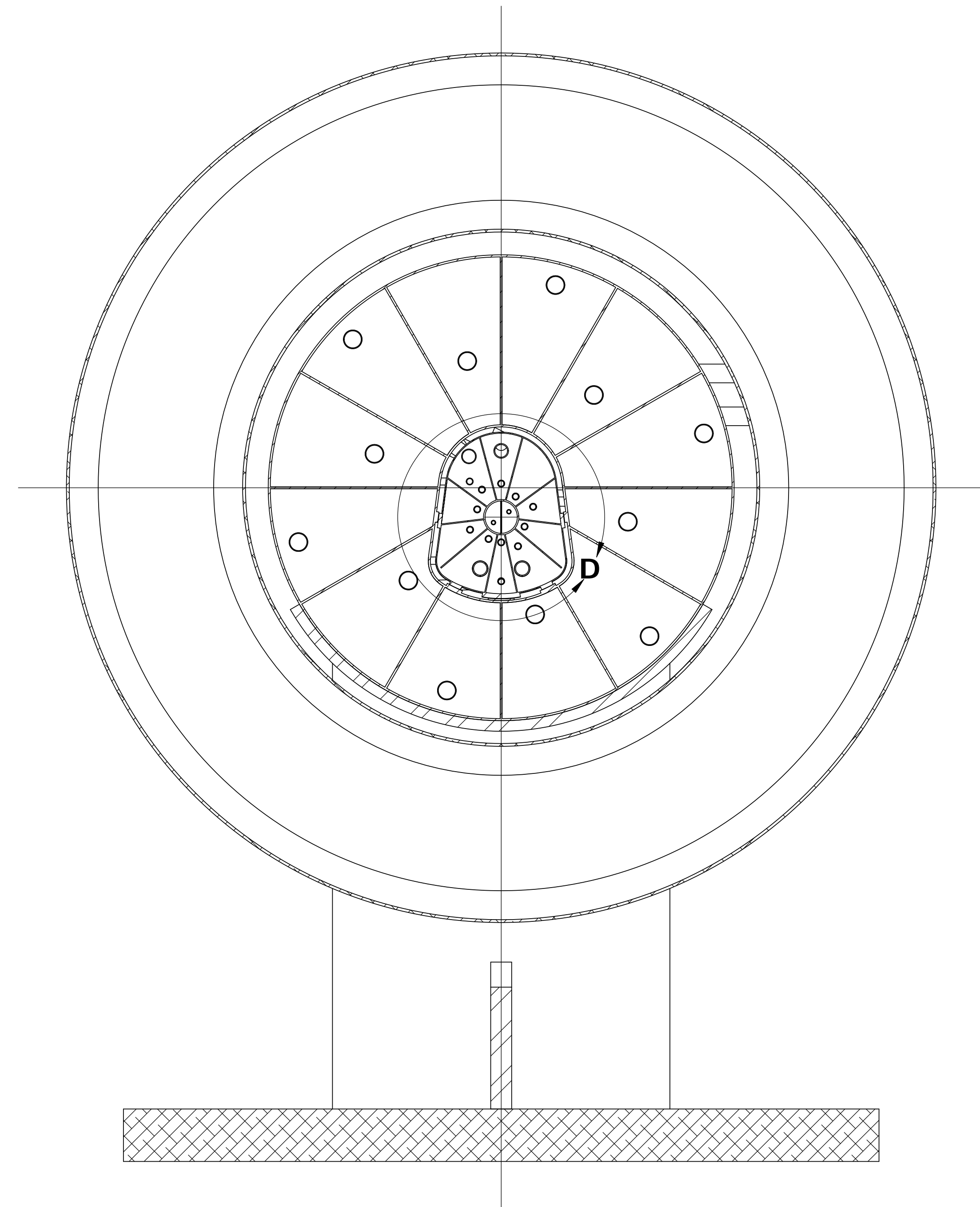
SECTION G-G



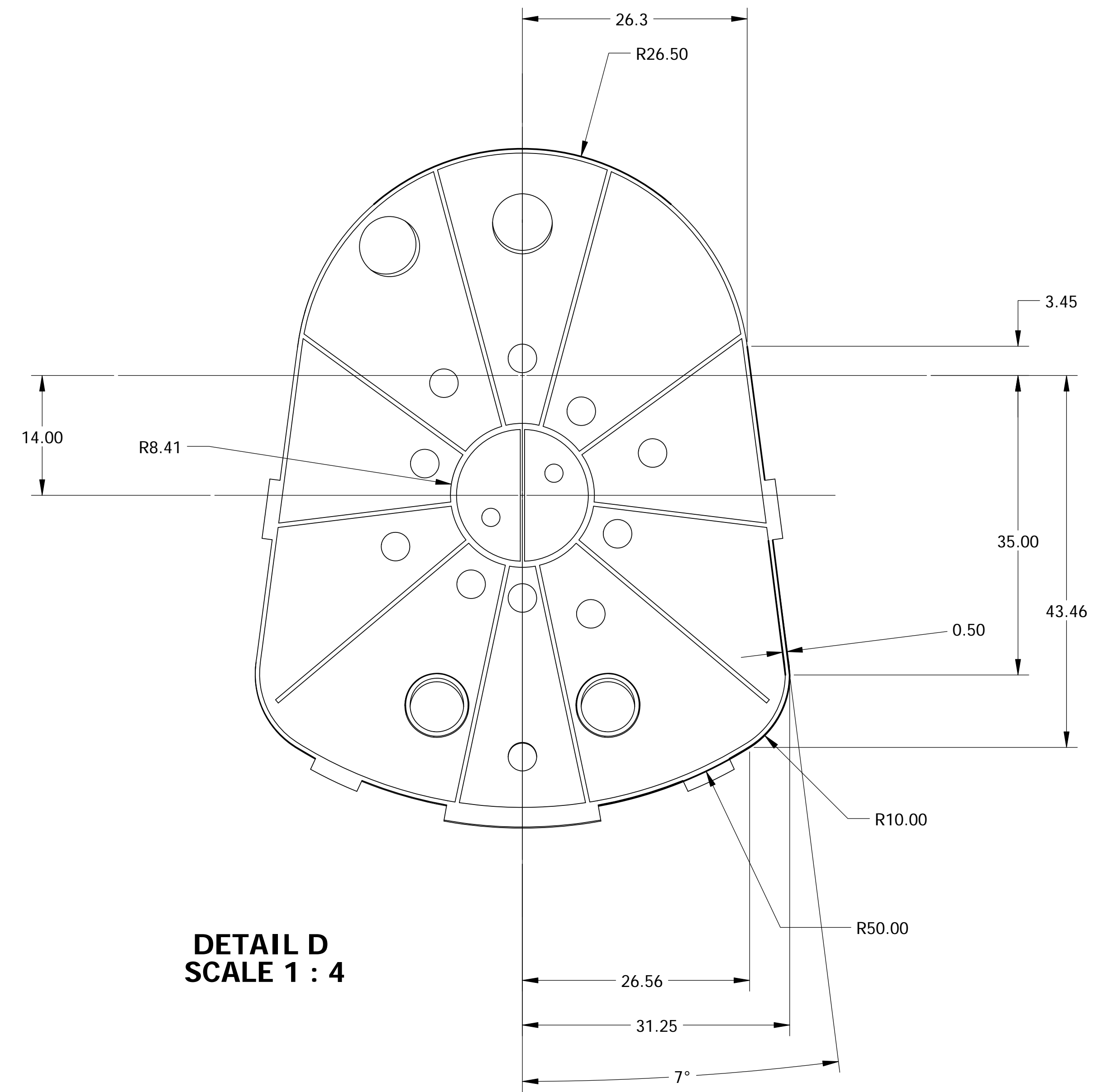
QUALITY VERIFICATION REQUIREMENTS DOCUMENTS		THIRD-ANGLE PROJECTION	APPROVALS		DATE		THIS DRAWING IS THE PROPERTY OF OAK RIDGE NATIONAL LABORATORY OPERATED FOR THE U.S. DEPARTMENT OF ENERGY UNDER CONTRACT DE-AC05-00OR22725 OAK RIDGE, TN				
MATERIAL MILL TEST REPORT			DES				REMOTE SYSTEMS GROUP FUEL CYCLE AND ISOTOPES DIVISION				
LEAK TEST REPORT		DRW			NEUTRINO FACTORY IDS120J MERCURY MODULE CONCEPT 7 AUG 2012						
CLEANING CERT		CHK									
WELD / BRAZE INSPECTION REPORT		ENG			SIZE D						
HEAT TREAT REPORT		QA									
DIMENSIONAL REPORT		DEFAULT TOLERANCES			TOTAL WEIGHT	LBS	SIZE	NEXT ASSY	DWG NO.	REV #	
MATERIAL SELLER CERT		LINEAR ANGULAR X.X = ±.100 ±1/2" X.XX = ±.010 X.XXX = ±.005			THIS DRAWING PRODUCED USING		SCALE	CAD FILE	target assy ids 120j	SHEET	1 of 4
FUNCTIONAL TEST REPORT		DO NOT SCALE DRAWING			SolidWorks		1:32				
DEVIATION REQUEST											
NONCONFORMANCE REPORT											

DWG NO.

A

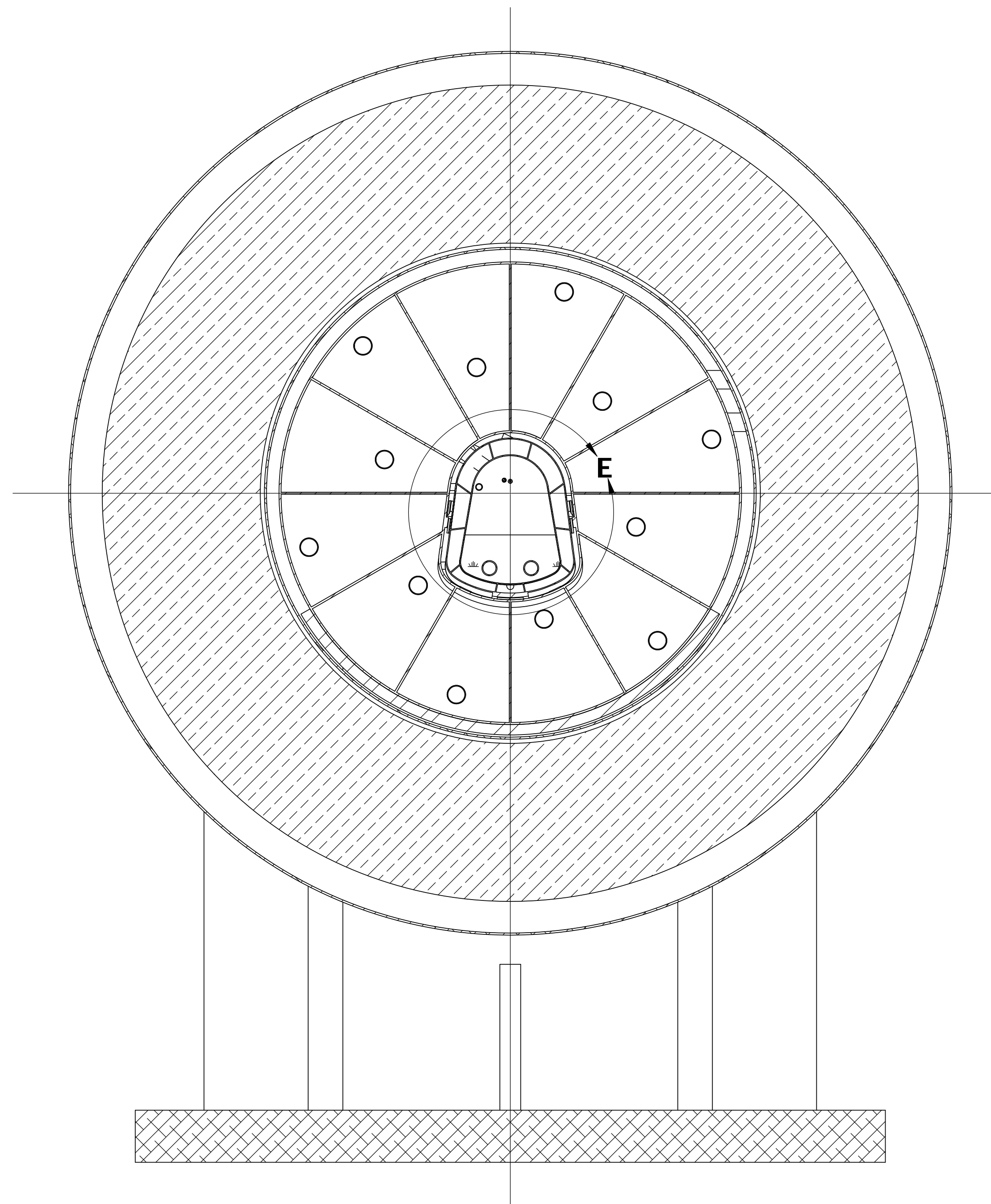


SECTION A-A
SCALE 1 : 16

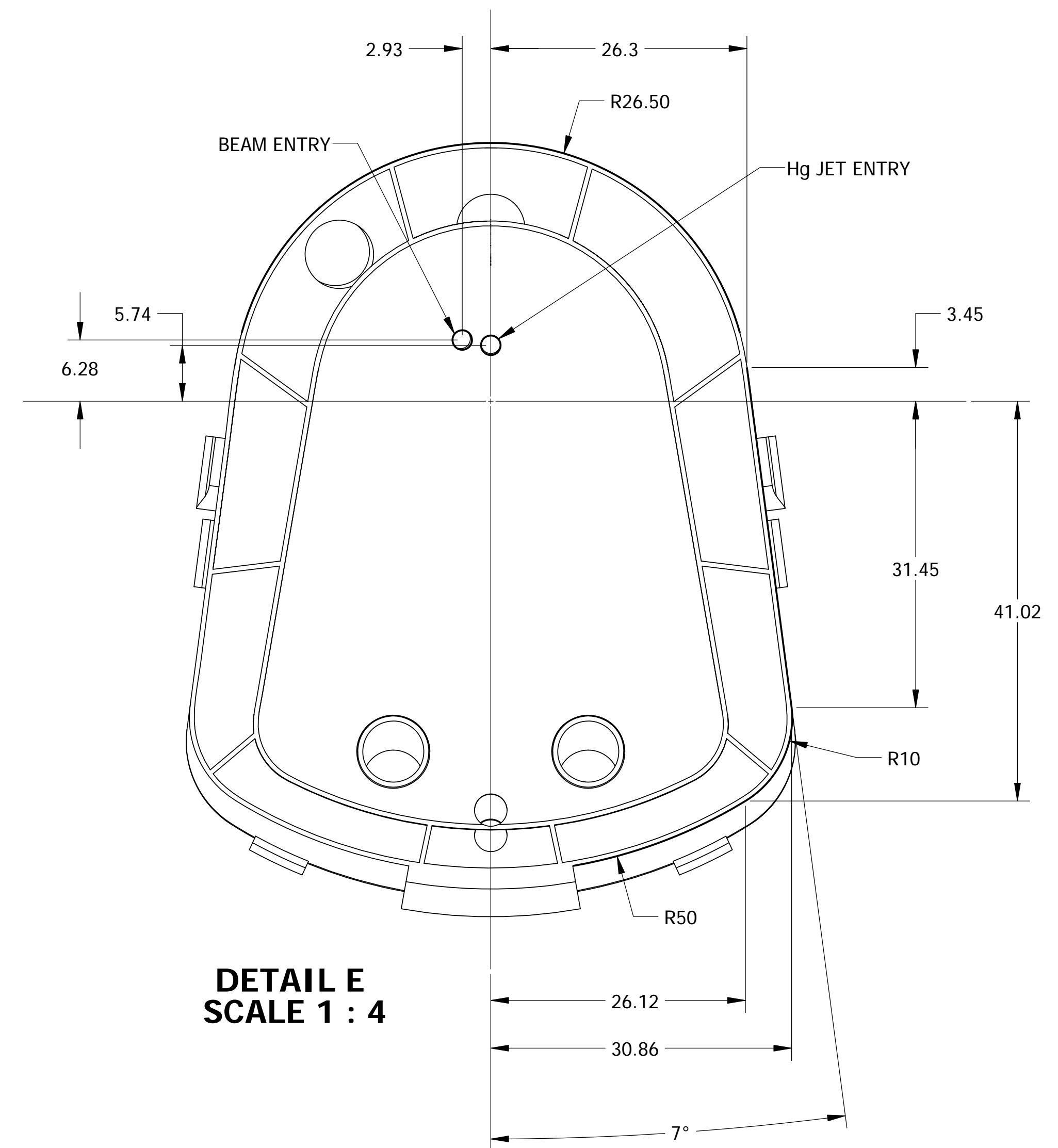


DETAIL D
SCALE 1 : 4

<p>THIRD-ANGLE PROJECTION</p>	This drawing was prepared by ORNL solely for use in work performed under Department of Energy contract number DE-AC05-00OR22725 and applicable Work for Others Agreements and Cooperative Research and Development Agreements. This drawing is property of ORNL and must be returned upon request.		<p>OAK RIDGE NATIONAL LABORATORY operated for the U.S. Department of Energy under contract DE-AC05-00OR22725 Oak Ridge, TN</p>	
	UNLESS OTHERWISE NOTED 1. ALL DIMENSIONS ARE IN INCHES 2. INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M 3. MACHINED FINISH 125 MICRO-INCHES RMS 4. CONCENTRICITY ± 0.10 TIR 5. MACHINED ANGLES $\pm 1/2^\circ$ 6. BREAK SHARP CORNERS AND REMOVE ALL BURRS 7. WHOLE NUMBERS AND FRACTIONS $\pm 1/16$ 8. X DECIMALS ± 0.030 9. XX DECIMALS ± 0.010 10. XXX DECIMALS ± 0.005		<p>REMOTE SYSTEMS GROUP NUCLEAR SCIENCE & TECHNOLOGY DIVISION</p> <p>NEUTRINO FACTORY IDS120J MERCURY MODULE CONCEPT 7 AUG 2012</p>	
DES				
DRW				
CHK				
ENG				
QA				
DRAWING APPROVALS		DATE	SIZE	DWG NO.
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			REV	#N



**SECTION B-B
SCALE 1 : 16**

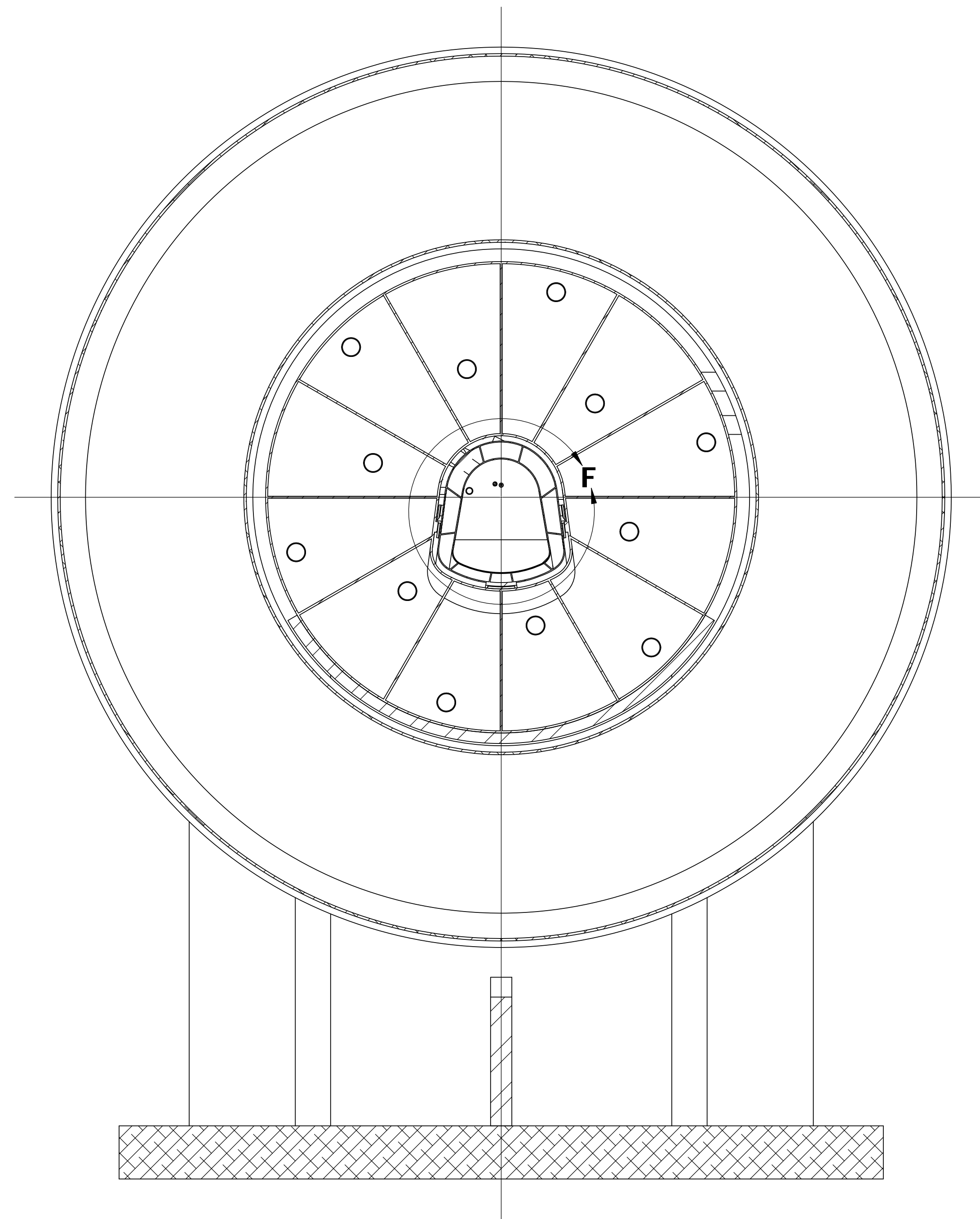


**DETAIL E
SCALE 1 : 4**

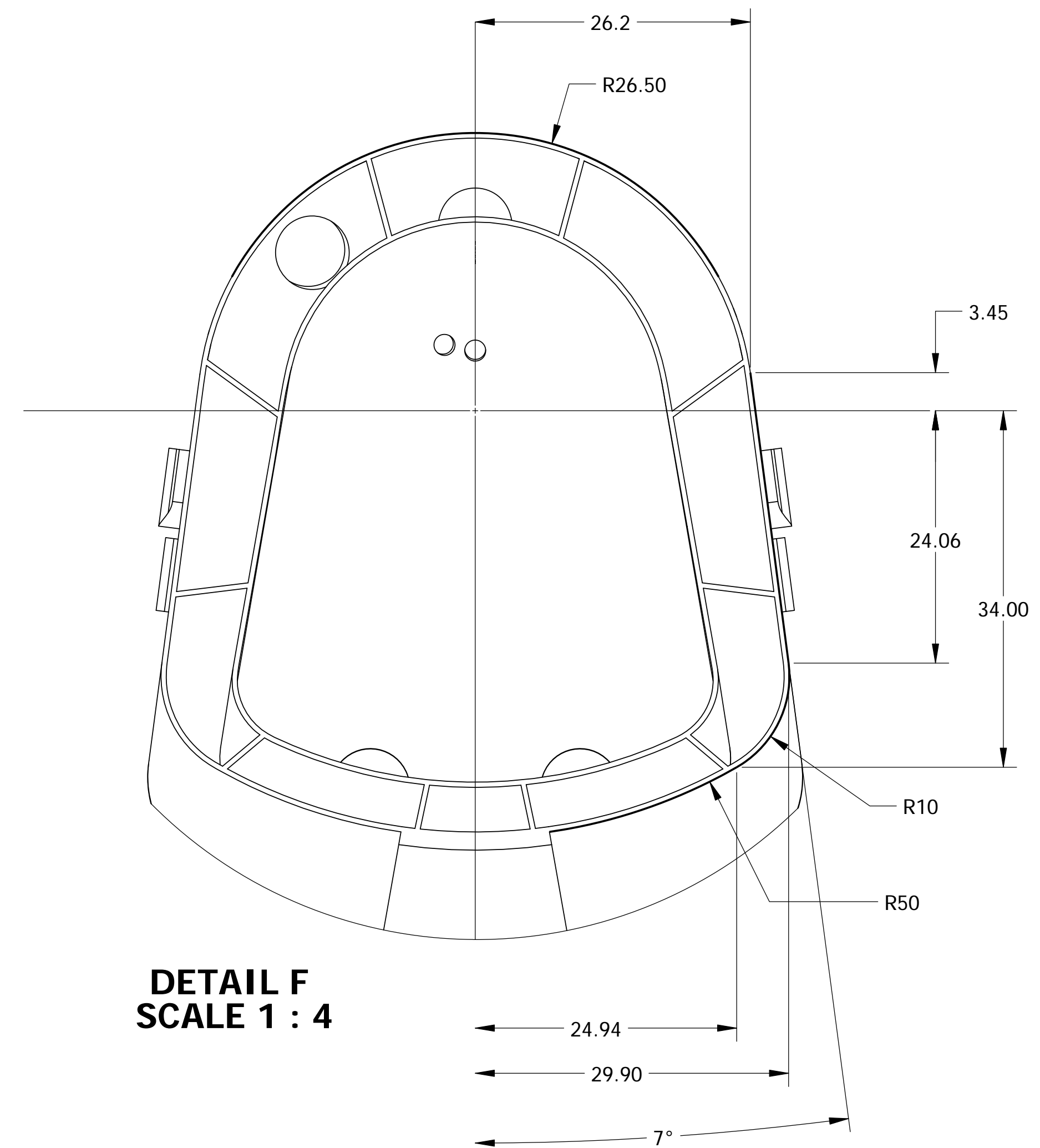
<p>THIRD-ANGLE PROJECTION</p>	This drawing was prepared by ORNL solely for use in work performed under Department of Energy contract number DE-AC05-00OR22725 and applicable Work for Others Agreements and Cooperative Research and Development Agreements. This drawing is property of ORNL and must be returned upon request.		<p>OAK RIDGE NATIONAL LABORATORY operated for the U.S. Department of Energy under contract DE-AC05-00OR22725 Oak Ridge, TN</p>	
	UNLESS OTHERWISE NOTED 1. ALL DIMENSIONS ARE IN INCHES 2. INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M 3. MACHINED FINISH 125 MICRO-INCHES RMS 4. CONCENTRICITY ± 0.10 TIR 5. MACHINED ANGLES $\pm 1/2^\circ$ 6. BREAK SHARP CORNERS AND REMOVE ALL BURRS 7. WHOLE NUMBERS AND FRACTIONS $\pm 1/16$ 8. X DECIMALS ± 0.030 9. XX DECIMALS ± 0.010 10. XXX DECIMALS ± 0.005		<p>REMOTE SYSTEMS GROUP NUCLEAR SCIENCE & TECHNOLOGY DIVISION</p>	
DES				
DRW				
CHK				
ENG				
QA				
DRAWING APPROVALS		DATE	SIZE	DWG NO.
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			PREV ASSY	SCALE
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				SHEET
				3 of 4
				REV
				#N

**NEUTRINO FACTORY IDS120J
MERCURY MODULE CONCEPT
7 AUG 2012**

DWG NO.



SECTION C-C
SCALE 1 : 16



DETAIL F
SCALE 1 : 4

<p>THIRD-ANGLE PROJECTION</p>	This drawing was prepared by ORNL solely for use in work performed under Department of Energy contract number DE-AC05-00OR22725 and applicable Work for Others Agreements and Cooperative Research and Development Agreements. This drawing is property of ORNL and must be returned upon request.		<p>OAK RIDGE NATIONAL LABORATORY operated for the U.S. Department of Energy under contract DE-AC05-00OR22725 Oak Ridge, TN</p>	
	UNLESS OTHERWISE NOTED 1. ALL DIMENSIONS ARE IN INCHES 2. INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M 3. MACHINED FINISH 125 MICRO-INCHES RMS 4. CONCENTRICITY ± 0.10 TIR 5. MACHINED ANGLES $\pm 1/2^\circ$ 6. BREAK SHARP CORNERS AND REMOVE ALL BURRS 7. WHOLE NUMBERS AND FRACTIONS $\pm 1/16$ 8. X DECIMALS ± 0.030 9. XX DECIMALS ± 0.010 10. XXX DECIMALS ± 0.005		<p>REMOTE SYSTEMS GROUP NUCLEAR SCIENCE & TECHNOLOGY DIVISION</p>	
DES				
DRW				
CHK				
ENG				
QA				
DRAWING APPROVALS		DATE	SIZE	DWG NO.
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			CAD FILE	PREV ASSY
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				REV
				#N

NEUTRINO FACTORY IDS120J
MERCURY MODULE CONCEPT
7 AUG 2012