

NEXT USED ASSEMBLY

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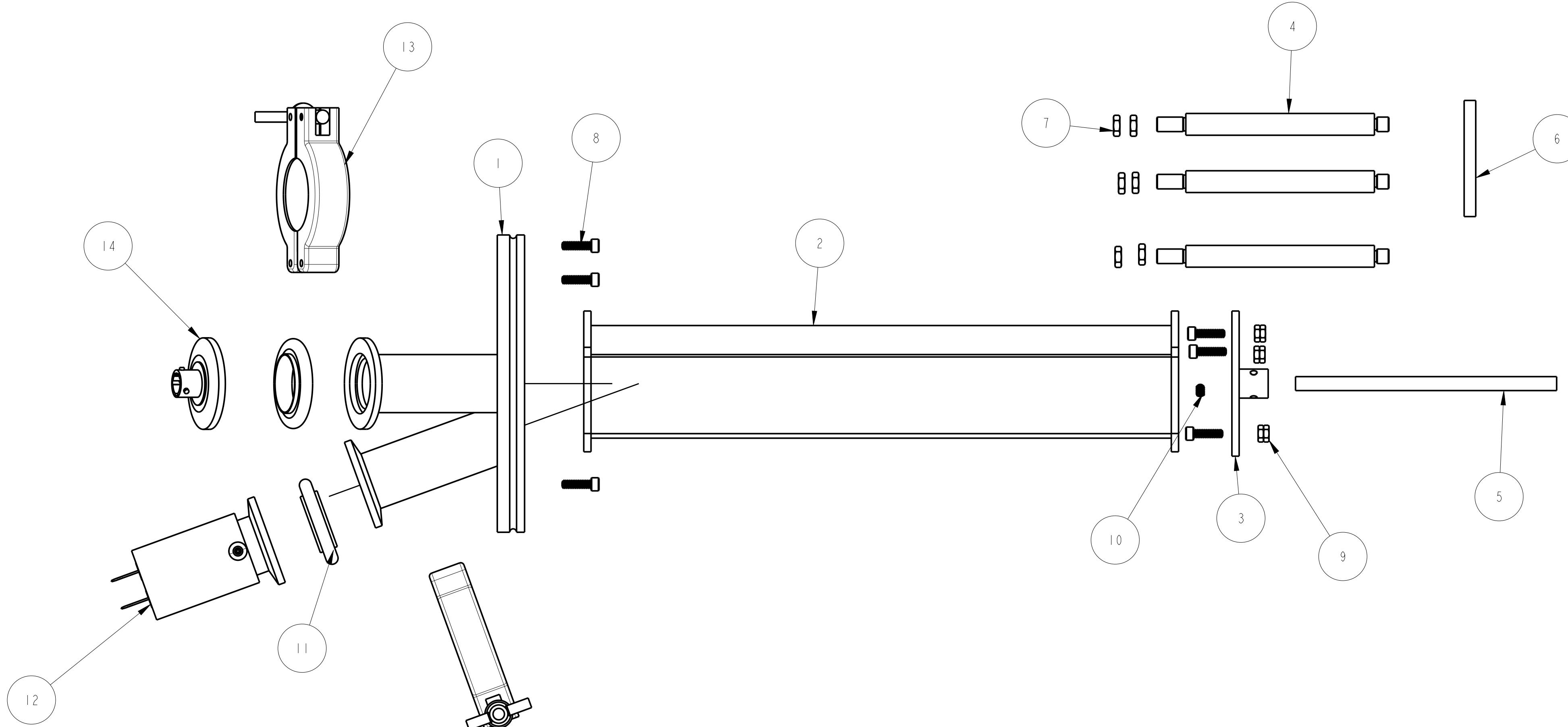
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APPROVAL BLOCK

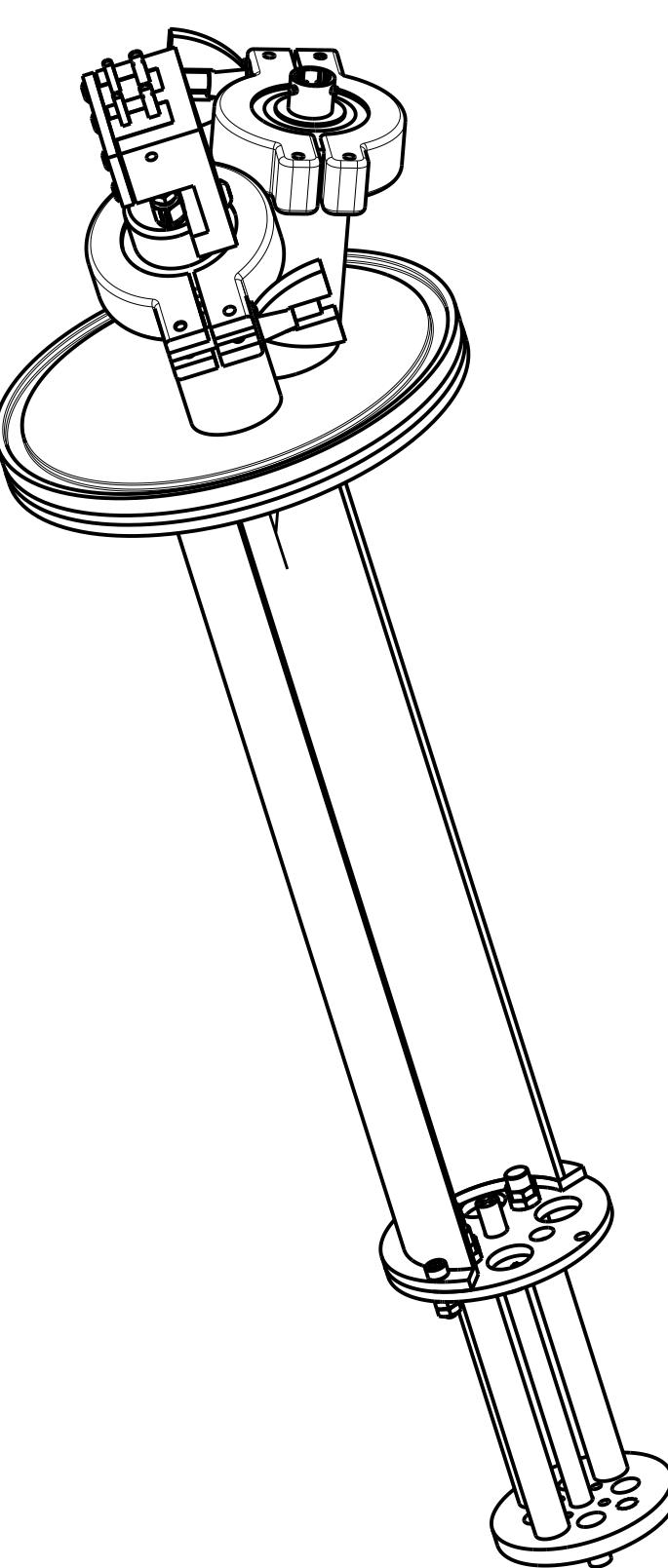
REV	DESCRIPTION OF CHANGE	DES	CHK	ENG	API	AP2	AP3	DATE
0	ORIGINAL ISSUE PER XXXXXXXX-XXXXXX							

NOTES:

VENDORS AND VENDOR SPECIFIC ITEMS MAY NOT BE SUBSTITUTED WITHOUT PRIOR ENGINEERING APPROVAL.



SCALE 3:4



SCALE 1:2

VENDOR	MATERIAL	DESCRIPTION	PART NUMBER	QTY	FIND NO.
KURT J LESKER	304 SS	voltage feedthru	IFTRG037018	1	14
KURT J LESKER	ALUMINUM	QF25 AL CLAMP	QF25-100-C	2	13
---	---	QF25 DUAL TC FEEDTHROUGH	601000000-M8U-8700-A10000	1	12
---	ALUMINUM & VITON NOR-CAL PRODUCTS	KF25 CENTERING AND O-RING	NW-25-CR-AV	2	11
MCMASTER CARR	316 SS	6-32 SET SCREW 316 SS	92313A143	1	10
MCMASTER CARR	316 SS	6-32 HEX NUTS 316 SS	90257A005	6	9
MCMASTER CARR	316 SS	6-32 SHCS 316 SS	90346A116	6	8
MCMASTER CARR	316 SS	316 SS HEX NUT 1/4-20	90257A007	6	7
---	316 SS	BOTTOM FLANGE	SE-HOT030-M8U-A10038	1	6
MCMASTER CARR	AL203	2 BORE AL203 TUBE	SE-HOT030-M8U-A10040	1	5
---	316 SS	SUPPORT RODS	SE-HOT030-M8U-A10034	3	4
---	316 SS	FEEDTHRU FLANGE	SE-HOT030-M8U-A10037	1	3
---	316 SS	CENTER TUBE	SE-HOT030-M8U-A10036	1	2
---	304 SS	ISO-100 ASSEMBLY	SE-HOT030-M8U-A10031	1	1
VENDOR <input checked="" type="checkbox"/>	MATERIAL SPECIFICATION	DESCRIPTION	PART NUMBER	QTY	FIND NO.

UNITS: INCHES	DEFAULT TOLERANCES	HIGH FLUX ISOTOPE NEUTRON SOURCE
	XXX $\pm .01$ XXXX $\pm .005$ ANGULAR $\pm 5^\circ$	OAK RIDGE National Laboratory
	BREAK ALL SHARP EDGES EXCEPT AS NOTED: .06 MAX	SPALLATION NEUTRON SOURCE
	SURFACE ROUGHNESS: 125 RMS UNO.	
	DRAFTING STD: ASME Y14.100 D & T: ASME Y14.5 WELD SYMBOLS: AWS A2.4	DRAWING NUMBER SE-HOT030-M8U-A10030
THIRD ANGLE PROJECTION	SIZE SCALE D 533:1600	WEIGHT 5.22 LB
		SHEET 1 of 11

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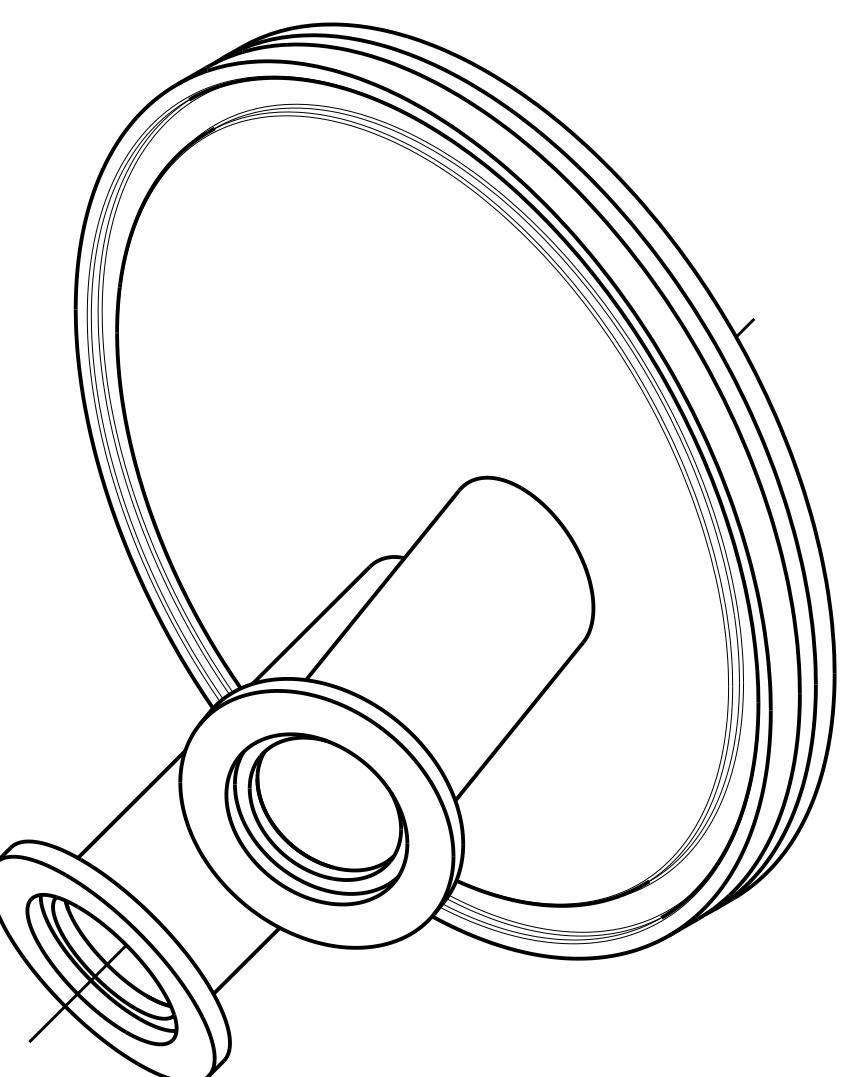
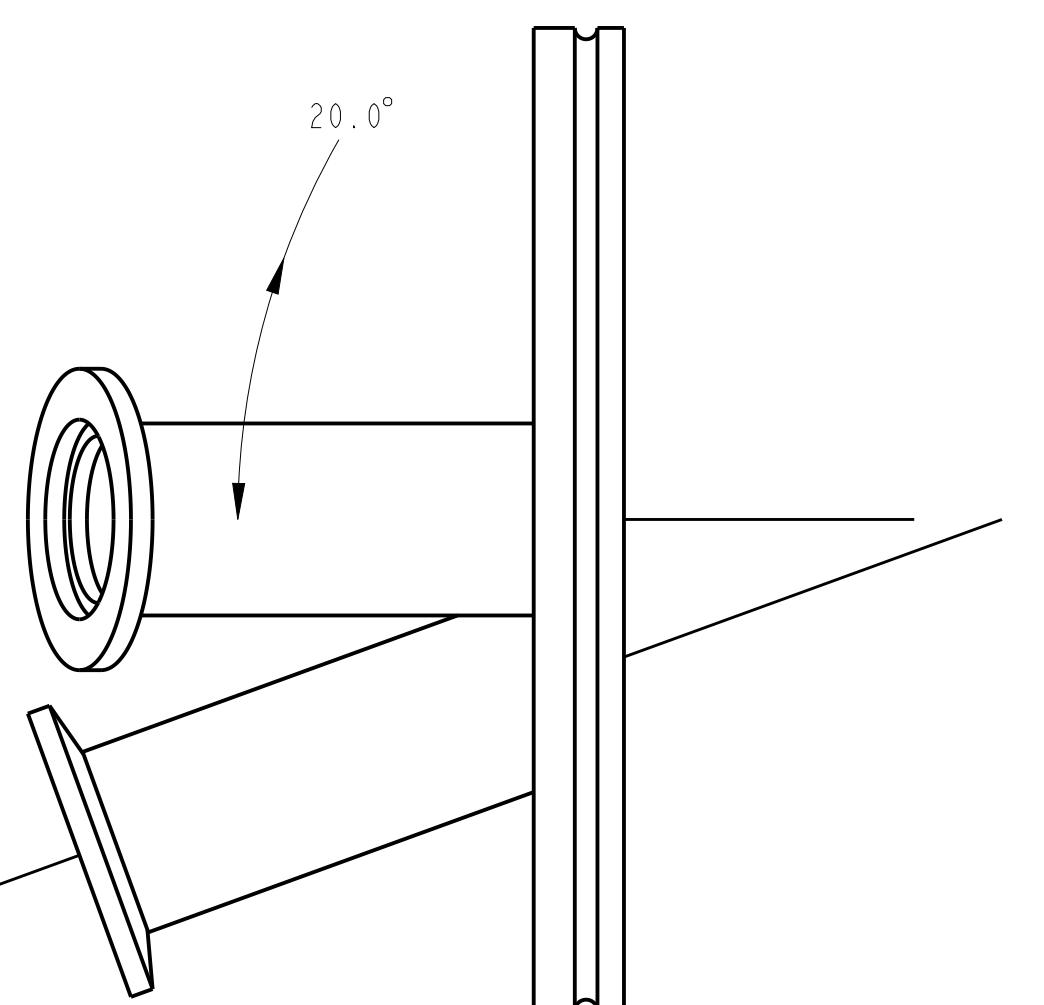
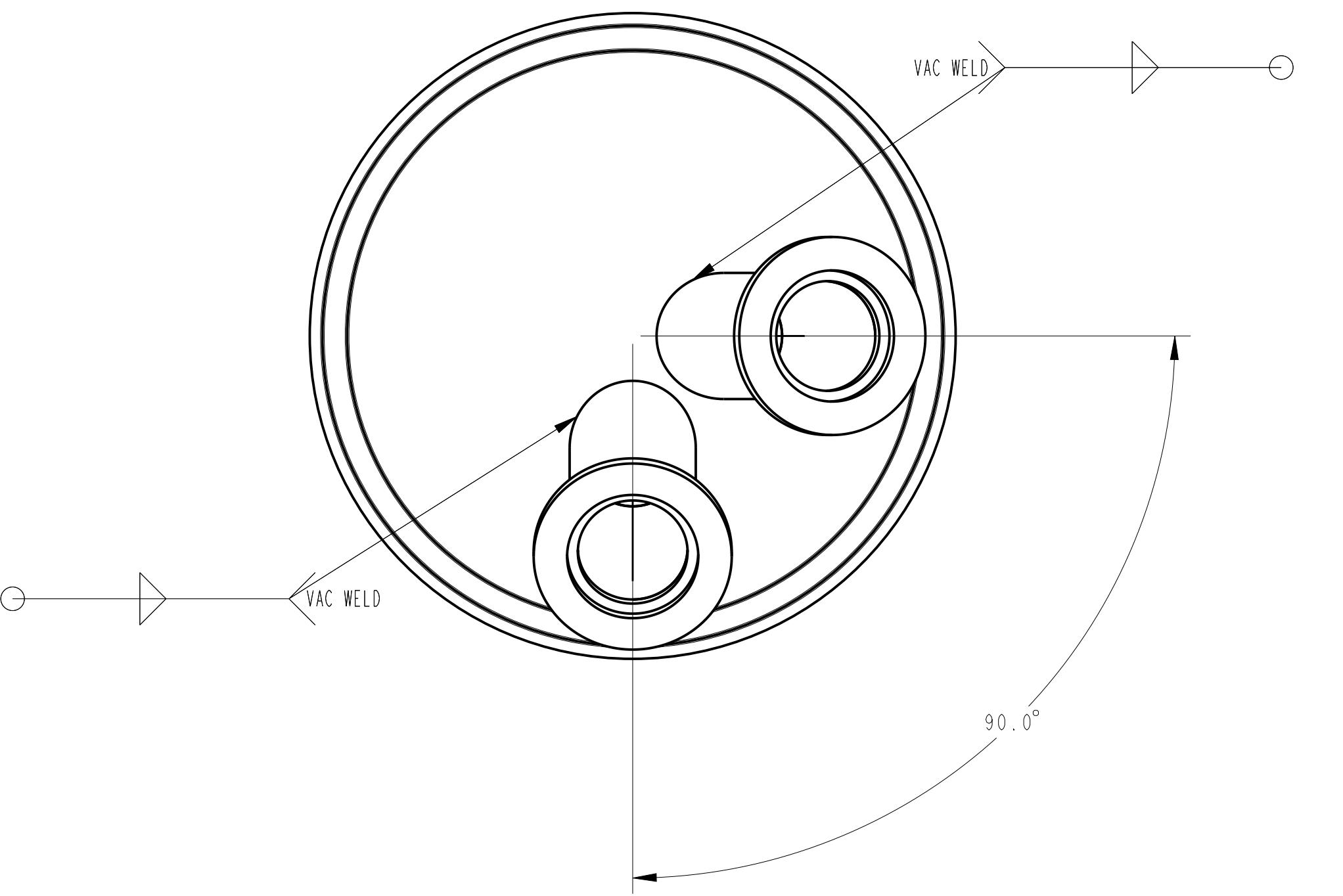
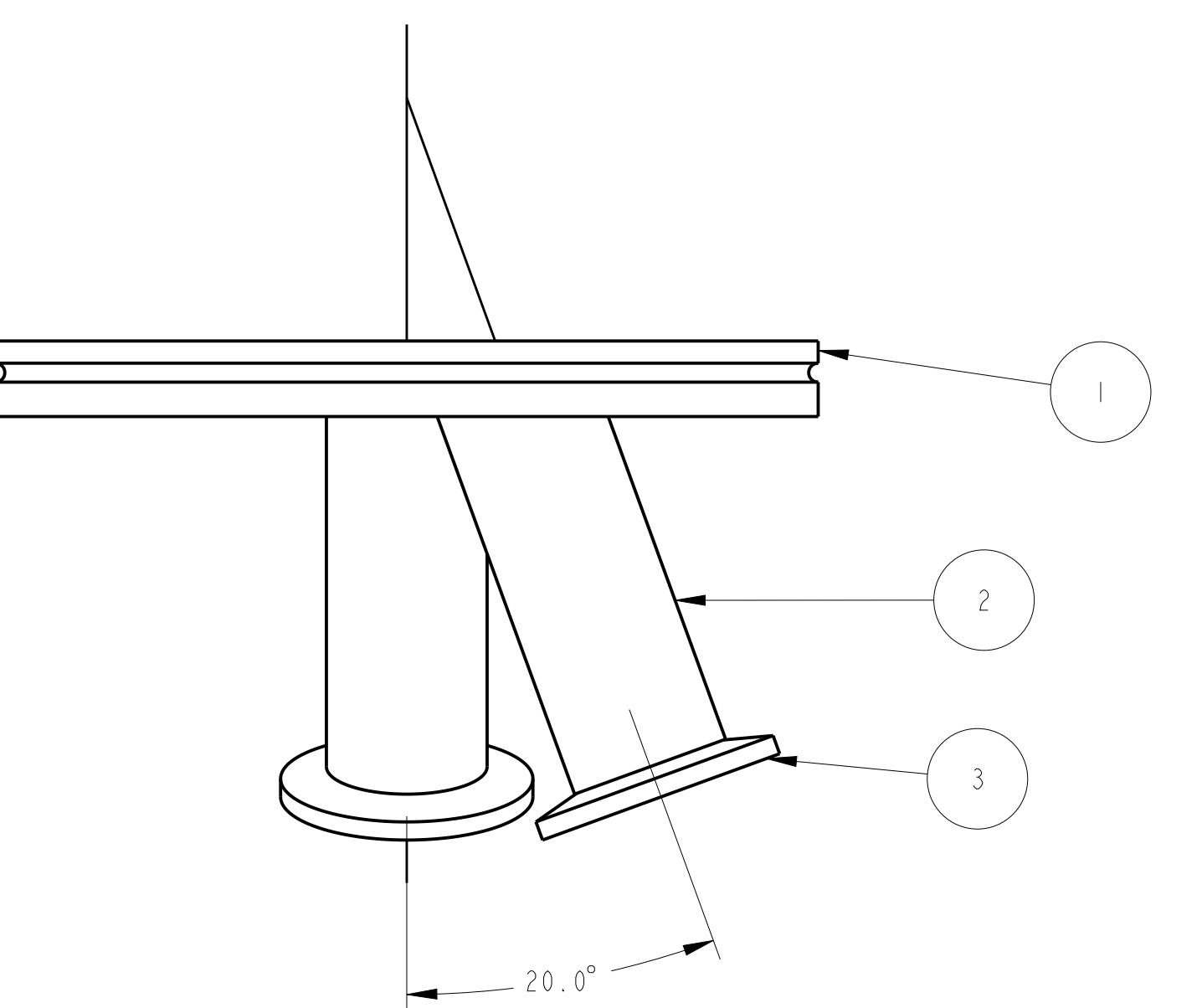
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VENDOR <input type="checkbox"/>	MATERIAL SPECIFICATION	DESCRIPTION	PART NUMBER	QTY	FIND NO.
---	304 SS ---	KF-25 FLANGE	SE-HOT030-M8U-A10033	2	3
---	304 SS ---	1 INCH TUBE	SE-HOT030-M8U-A10041	2	2
---	304 SS ---	ISO-100 FLANGE	SE-HOT030-M8U-A10032	1	1

UNITS: INCHES	HIGH FLUX ISOTOPE REACTOR	SPALLATION NEUTRON SOURCE
DEFAULT TOLERANCES		
XXX $\pm .01$ XXXX $\pm .005$ ANGULAR $\pm .5^\circ$		
BREAK ALL SHARP EDGES EXCEPT AS NOTED: .06 MAX		
SURFACE ROUGHNESS: 125 RMS UNO.		
DRAFTING STD: ASME Y14.100 D & T: ASME Y14.5 WELD SYMBOLS: AWS A2.4	DRAWING NUMBER SE-HOT030-M8U-A10030	REV
THIRD ANGLE PROJECTION	SIZE SCALE 	WEIGHT 3 LB
	D 1:1	2 of 11

NEXT USED ASSEMBLY

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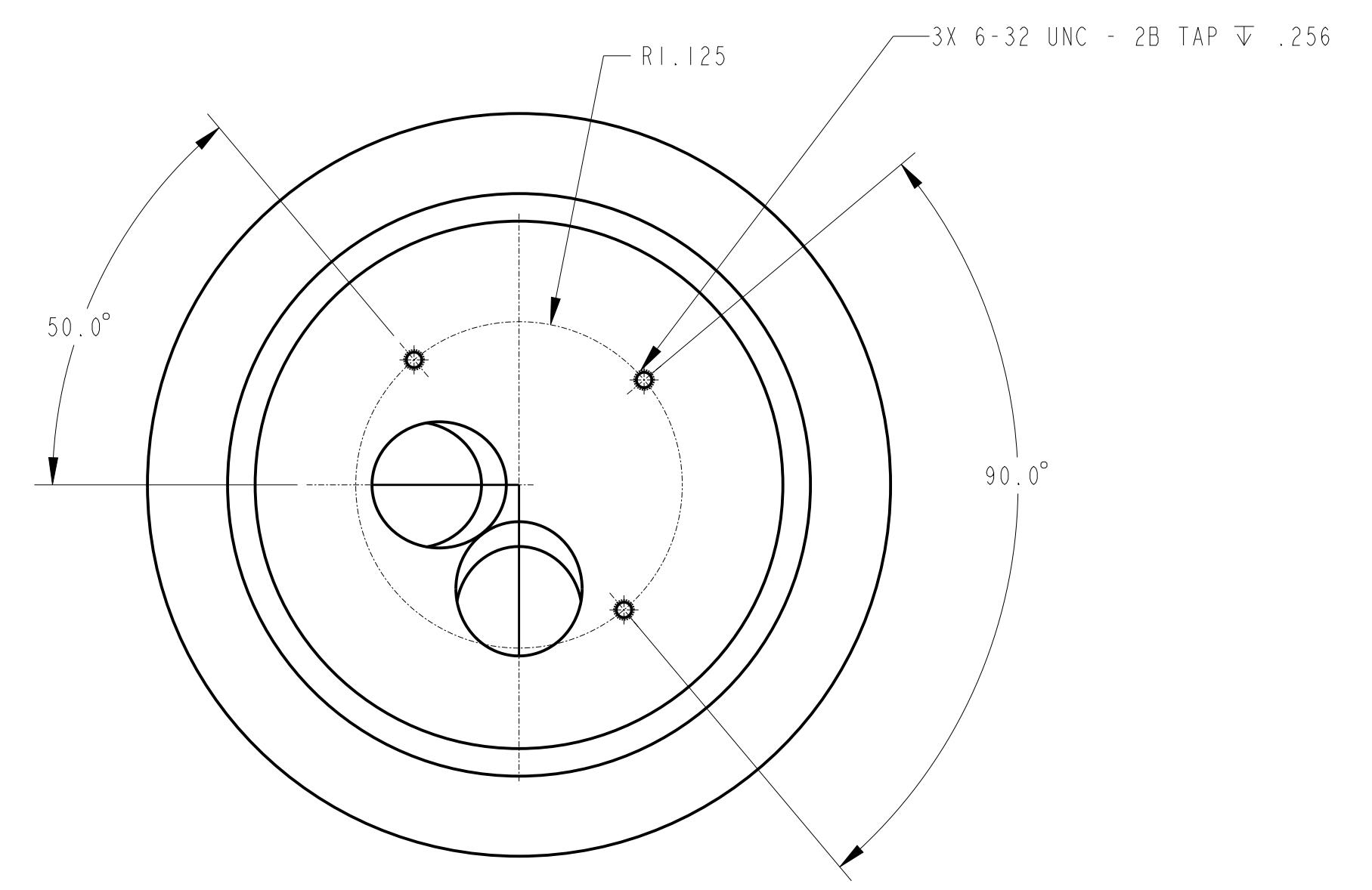
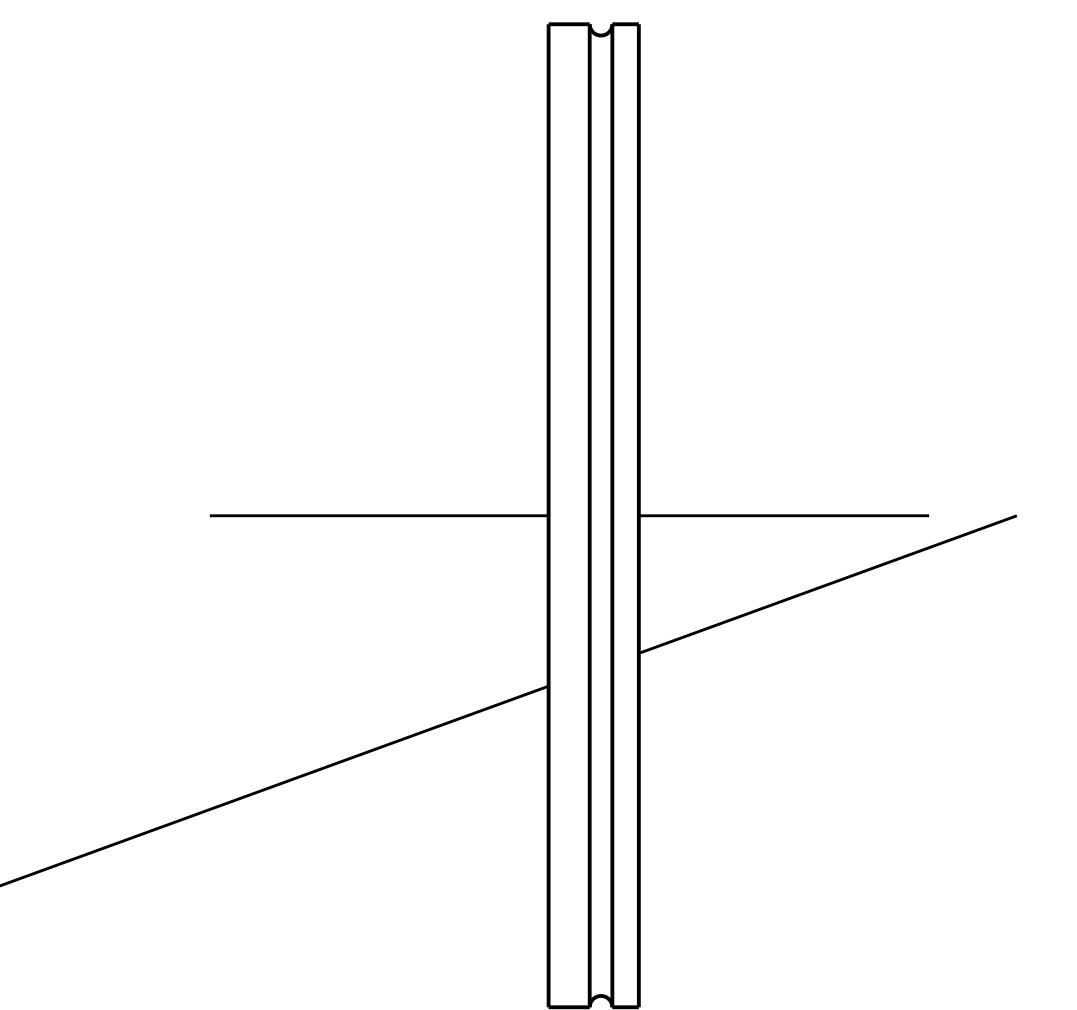
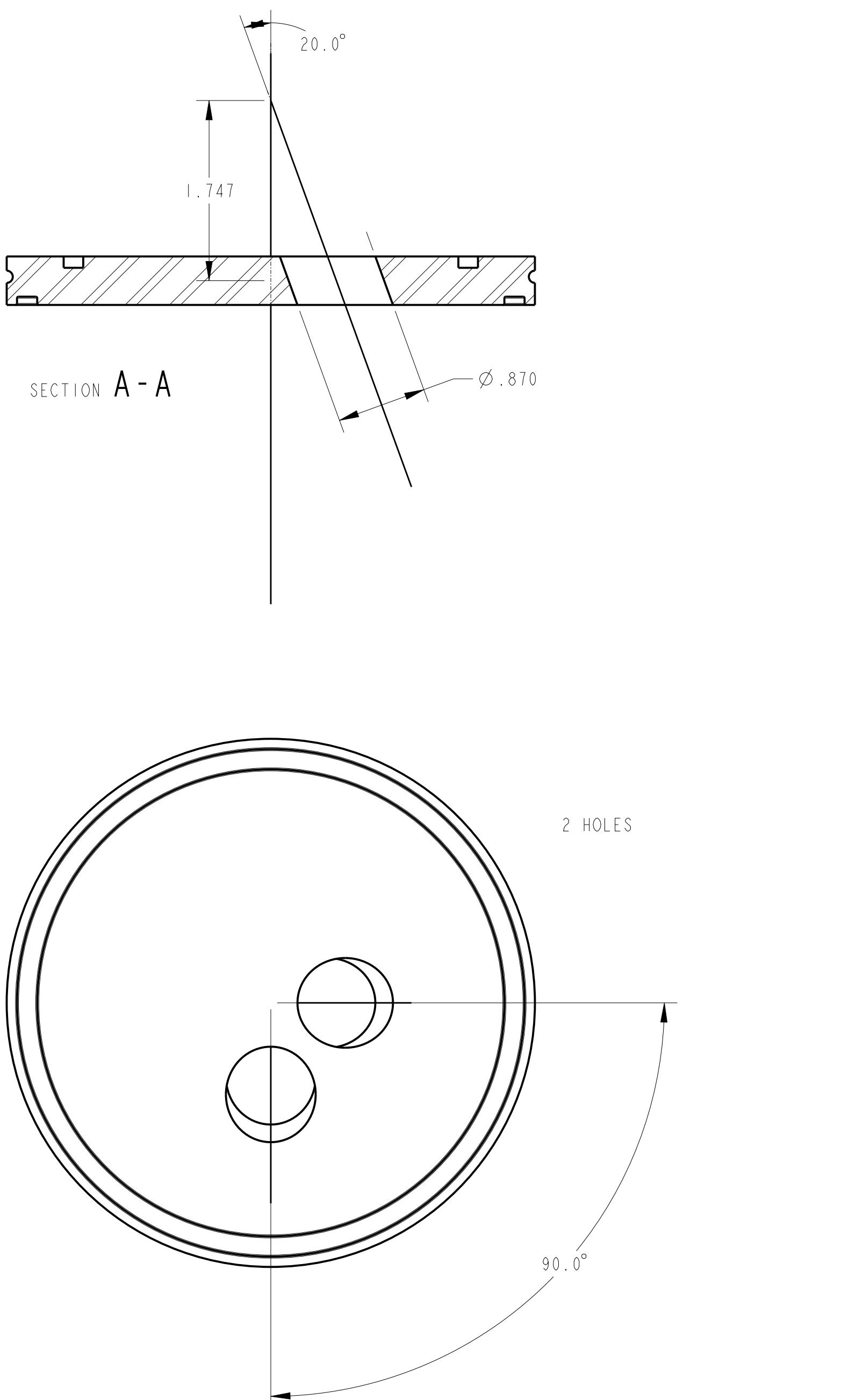
C

B

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A

A



include model features needed for space claim in larger assemblies

304 SS	---	SPECIFICATION
MATERIAL		
UNITS: INCHES		
DEFAULT TOLERANCES		
XXX ±.01 XXXX ±.005 ANGULAR ±.5°		
BREAK ALL SHARP EDGES EXCEPT AS NOTED: .06 MAX		
SURFACE ROUGHNESS: 125 RMS UNO.		
DRAFTING STD: ASME Y14.100 D & T: ASME Y14.5 WELD SYMBOLS: AWS A2.4	DRAWING NUMBER	REV
THIRD ANGLE PROJECTION	SE-HOT030-M8U-A10032	
	SIZE D	SCALE 1:1
	WEIGHT 2.46 LB	SHEET 3 of 11

NEXT USED ASSEMBLY

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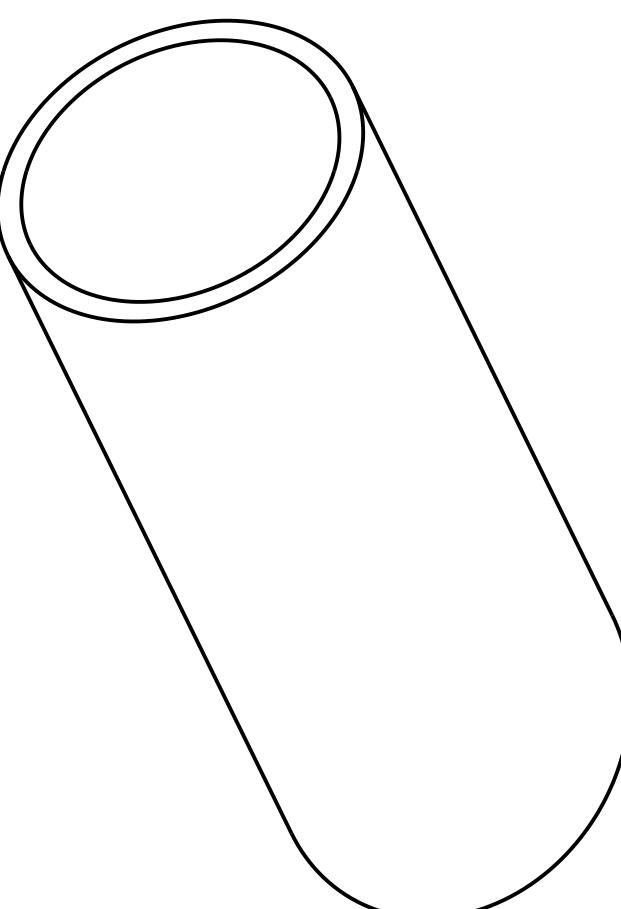
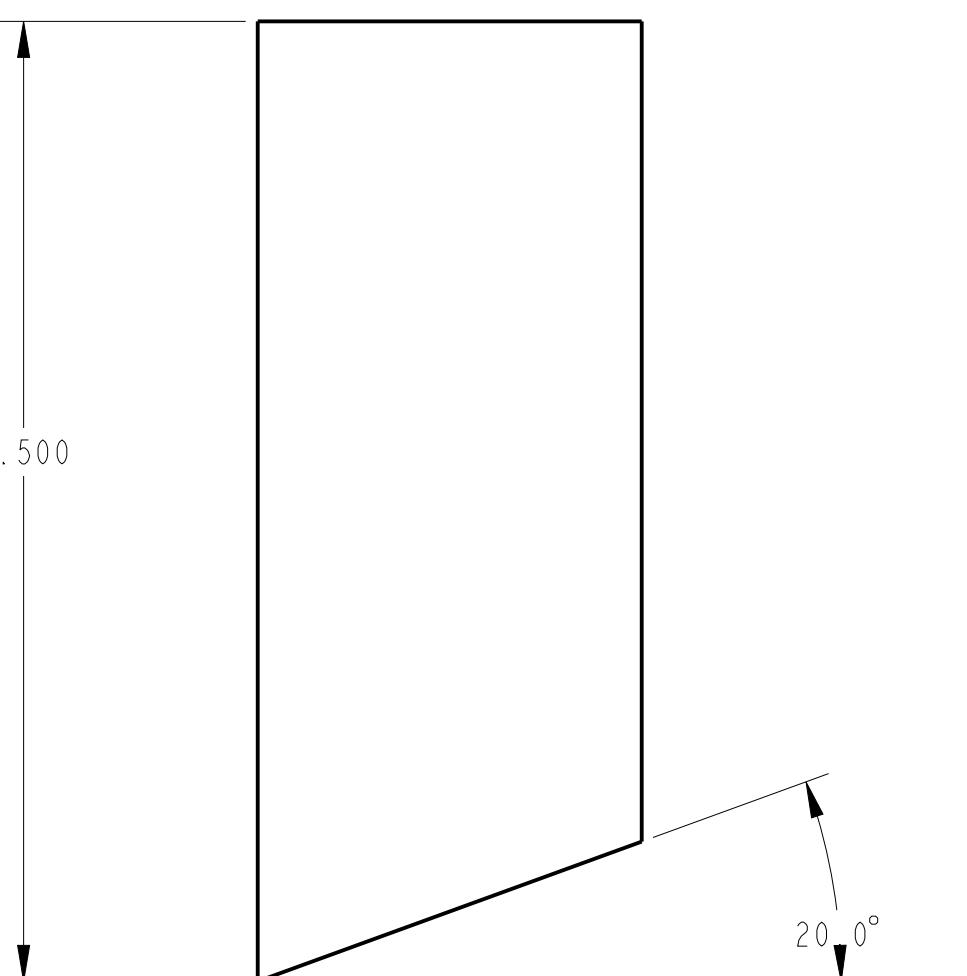
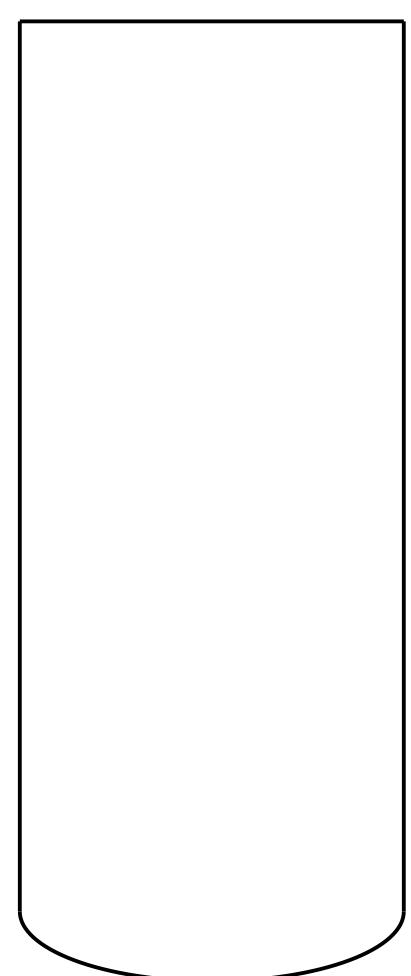
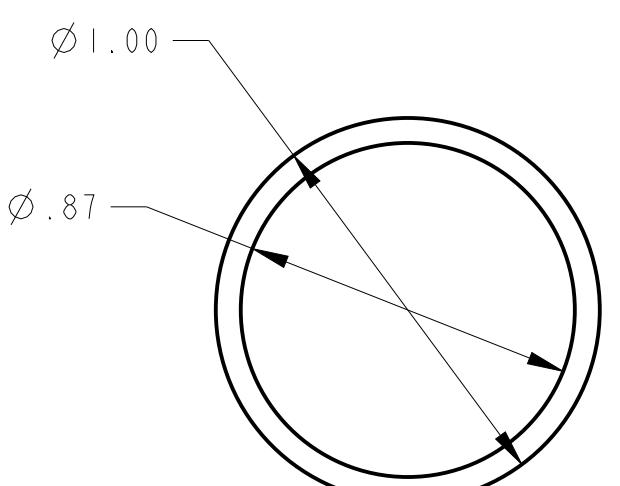
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REV	DESCRIPTION OF CHANGE	DES	CHK	ENG	API	AP2	AP3	DATE
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NOTES:

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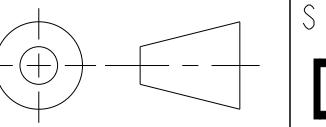
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VENDOR <input type="checkbox"/>	MATERIAL SPECIFICATION	DESCRIPTION	PART NUMBER	QTY	FIND NO.

UNITS: INCHES DEFAULT TOLERANCES XXX $\pm .01$ XXXX $\pm .005$ ANGULAR $\pm 5^\circ$	 HIGH FLUX ISOTOPE SPALLATION NEUTRON REACTOR SOURCE		
BREAK ALL SHARP EDGES EXCEPT AS NOTED: .06 MAX			
SURFACE ROUGHNESS: 125 RMS UNO.	SAMPLE ENVIRONMENT HOT-G SAMPLE STICK 1 INCH TUBE		
DRAFTING STD: ASME Y14.100 D & T: ASME Y14.5 WELD SYMBOLS: AWS A2.4			
THIRD ANGLE PROJECTION	DRAWING NUMBER SE-HOT030-M8U-A10041		
	SIZE	SCALE	WEIGHT
	D	2:1	.13 LB
			4 of 11

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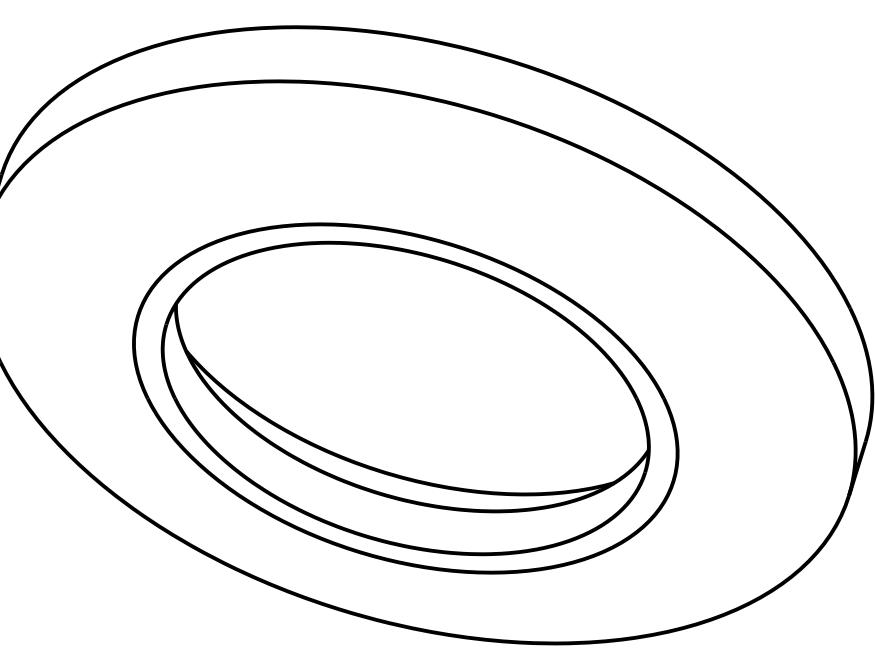
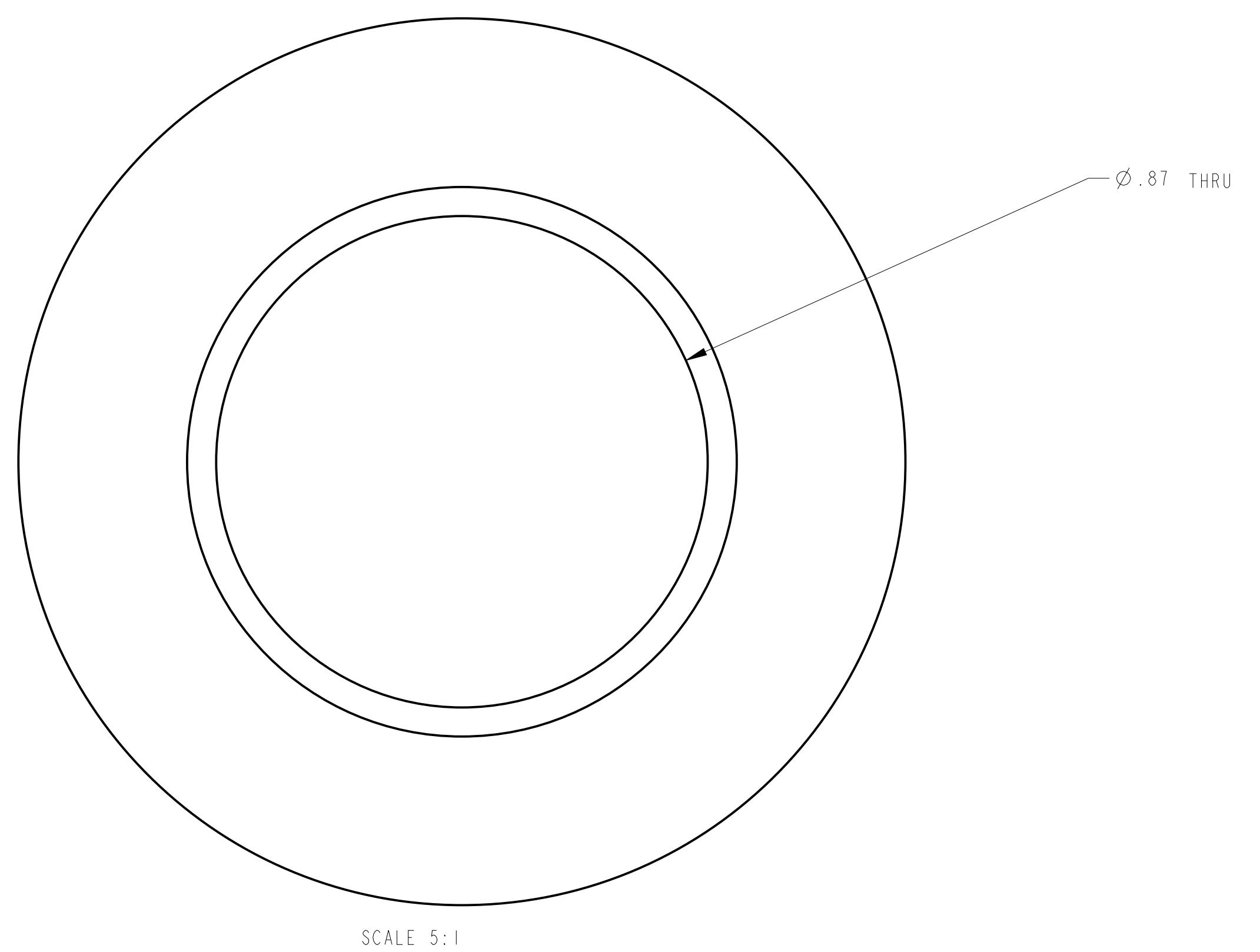
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APPROVAL BLOCK

REV	DESCRIPTION OF CHANGE	DES	CHK	ENG	API	AP2	AP3	DATE
0	ORIGINAL ISSUE PER XXXXXXXX-XXXXXX							

NOTES:

I. KURT J LESKER P/N: QF25-100-SB



304 SS	---	SPECIFICATION
MATERIAL		
UNITS: INCHES		
DEFAULT TOLERANCES		
XXX $\pm .01$ XXXX $\pm .005$ ANGULAR $\pm 5^\circ$		
BREAK ALL SHARP EDGES EXCEPT AS NOTED: .06 MAX		
SURFACE ROUGHNESS: 125 RMS UNO.		
DRAFTING STD: ASME Y14.100 D & T: ASME Y14.5 WELD SYMBOLS: AWS A2.4	DRAWING NUMBER SE-HOT030-M8U-A10033	REV
THIRD ANGLE PROJECTION	SIZE D SCALE 3:1	WEIGHT .05 LB
		SHEET 5 of 11

NEXT USED ASSEMBLY

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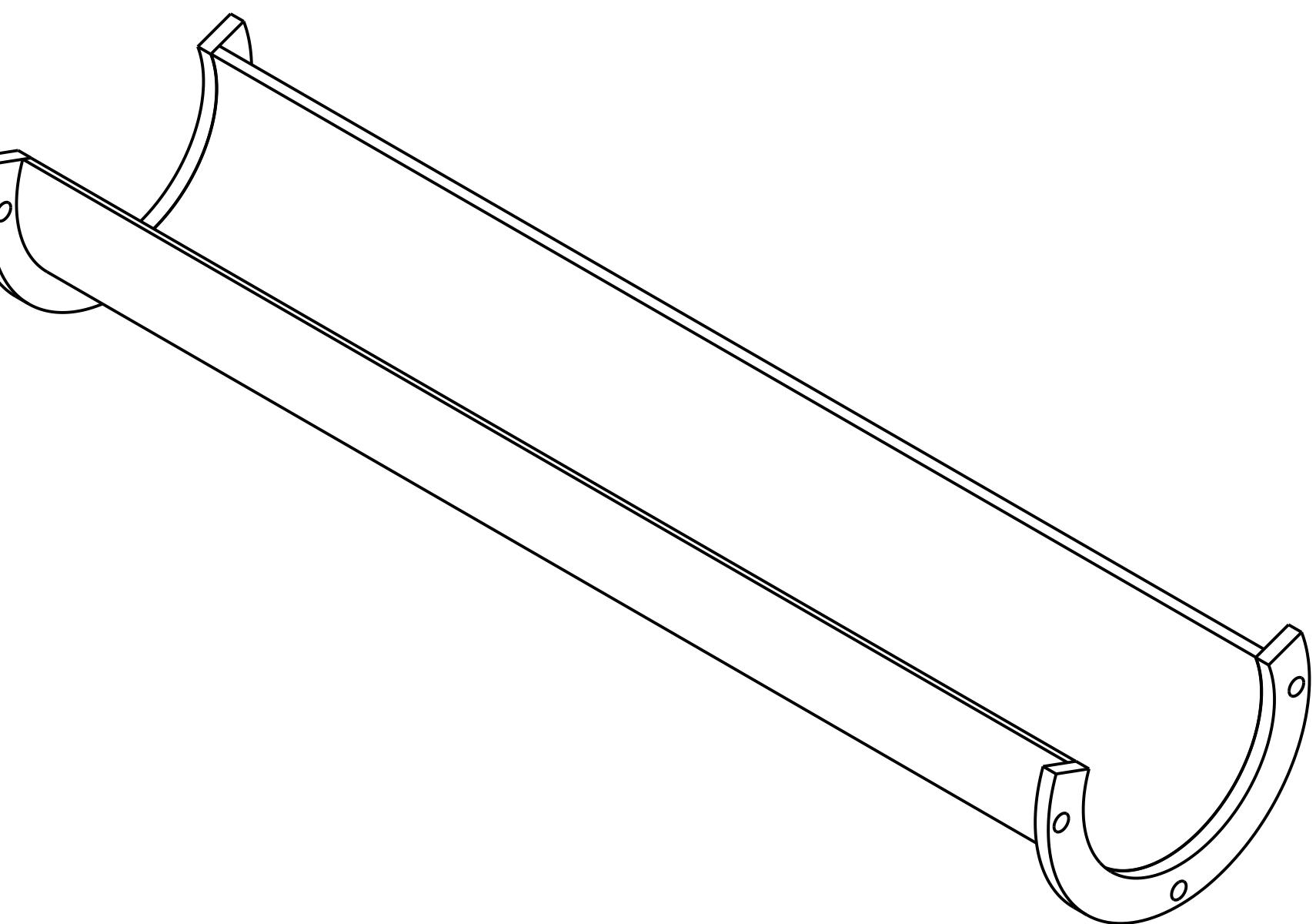
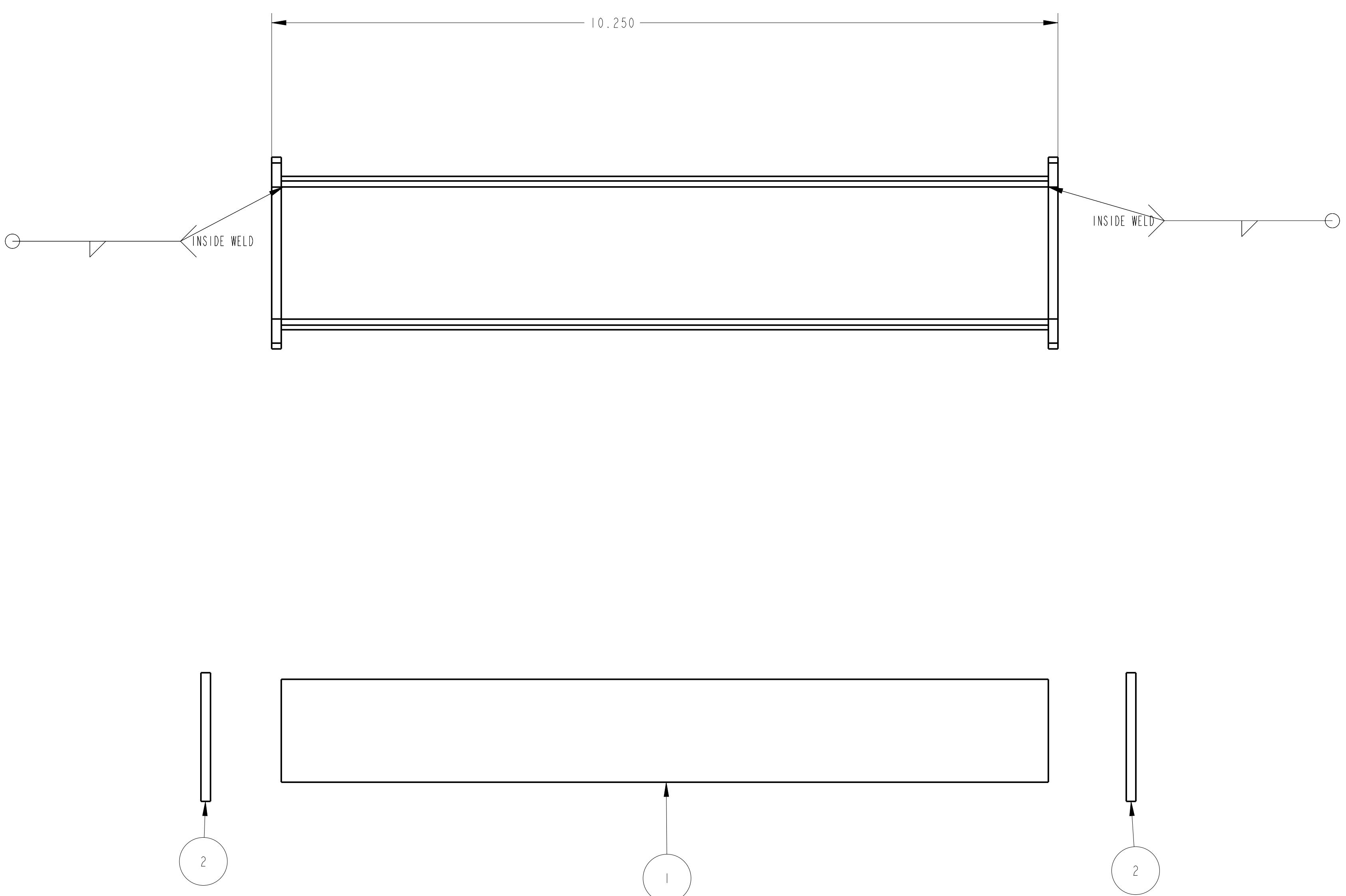
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0	ORIGINAL ISSUE PER XXXXXXXX-XXXXXX							

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VENDOR <input type="checkbox"/>	MATERIAL SPECIFICATION	DESCRIPTION	PART NUMBER	QTY	FIND NO.
---	316 SS ---	CENTER TUBE FLANGE	SE-HOT030-M8U-A10035	2	2
---	316 SS ---	CENTERING TUBE	SE-HOT030-M8U-A10039	1	1

UNITS: INCHES	HIGH FLUX ISOTOPE REACTOR	SPALLATION NEUTRON SOURCE
DEFAULT TOLERANCES		
XXX $\pm .01$ XXXX $\pm .005$ ANGULAR $\pm 5^\circ$		
BREAK ALL SHARP EDGES EXCEPT AS NOTED: .06 MAX		
SURFACE ROUGHNESS: 125 RMS UNO.		
DRAFTING STD: ASME Y14.100 D & T: ASME Y14.5 WELD SYMBOLS: AWS A2.4	DRAWING NUMBER SE-HOT030-M8U-A10030	REV
THIRD ANGLE PROJECTION	SIZE D SCALE 1:1	WEIGHT .98 LB
		SHEET 6 of 11

NEXT USED ASSEMBLY

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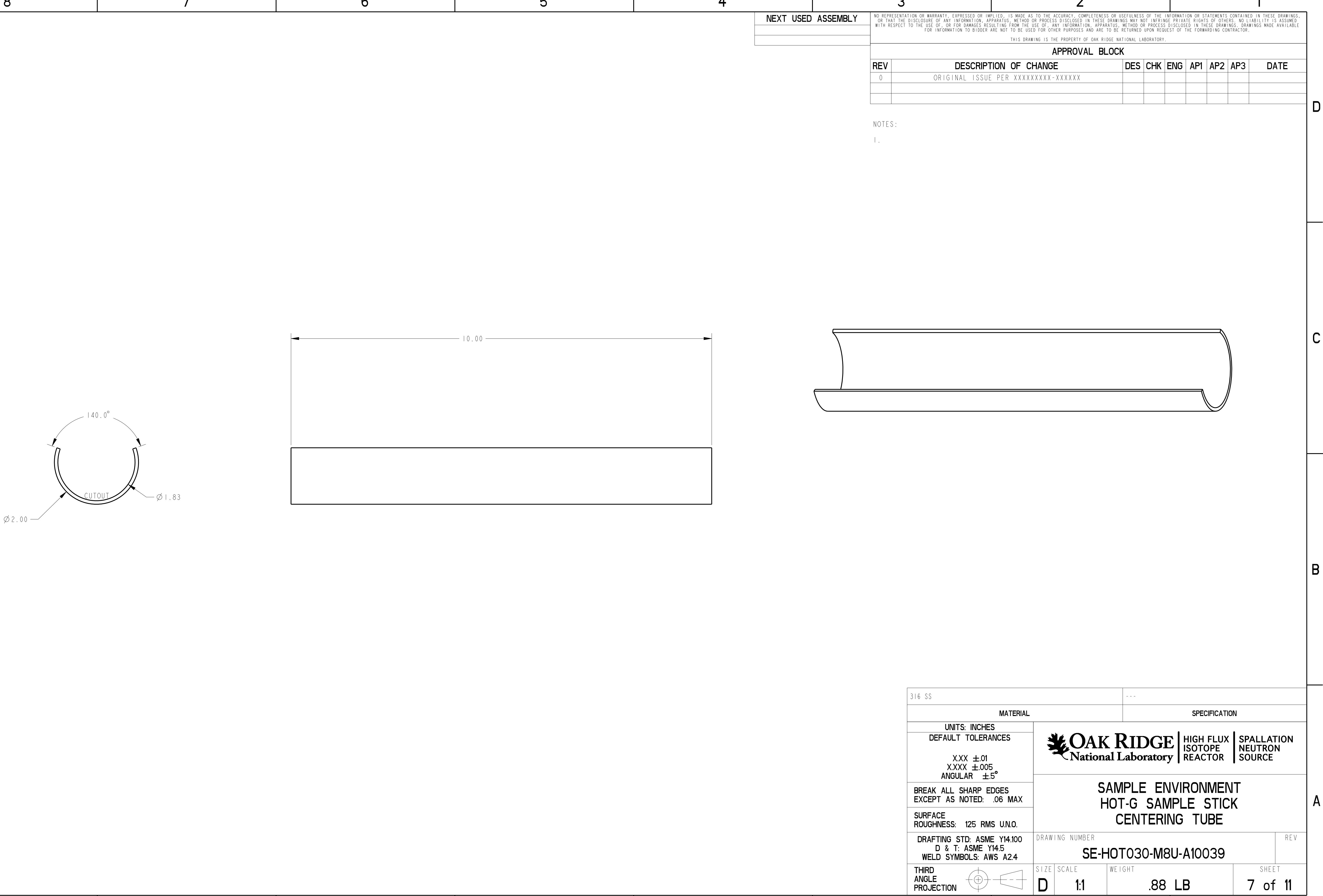
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REV	DESCRIPTION OF CHANGE	DES	CHK	ENG	API	AP2	AP3	DATE
0	ORIGINAL ISSUE PER XXXXXXXX-XXXXXX							

NOTES:

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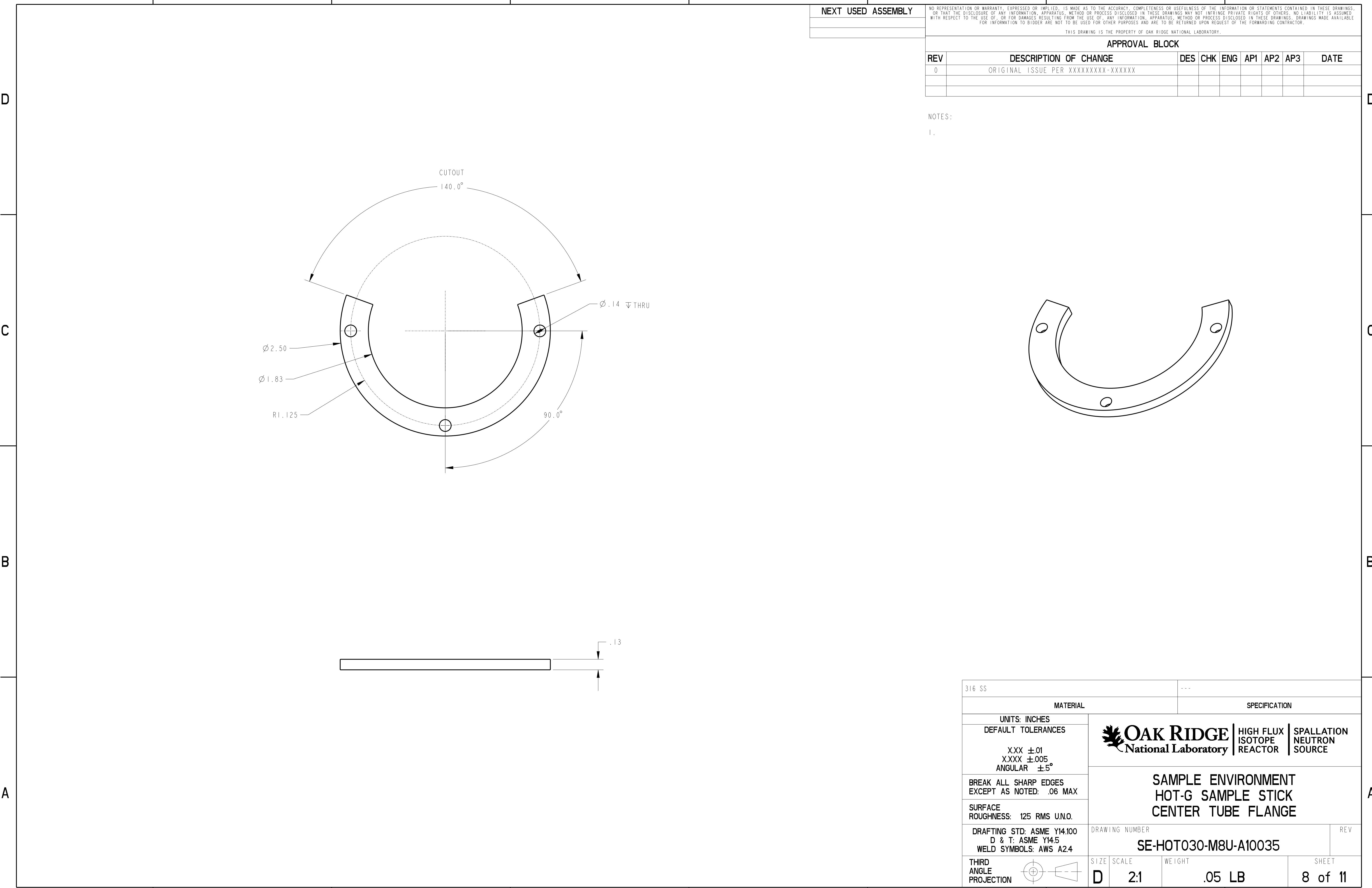
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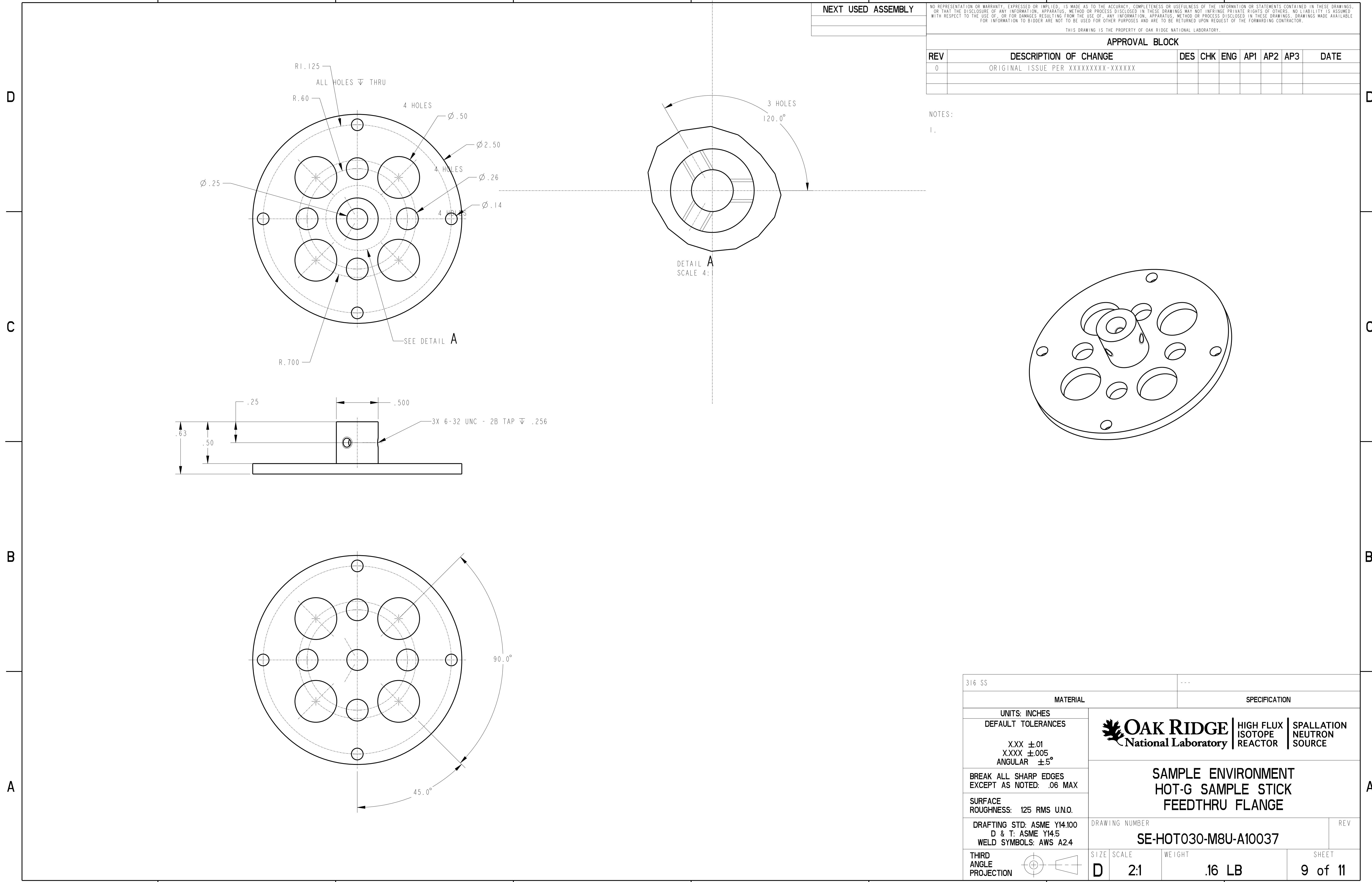
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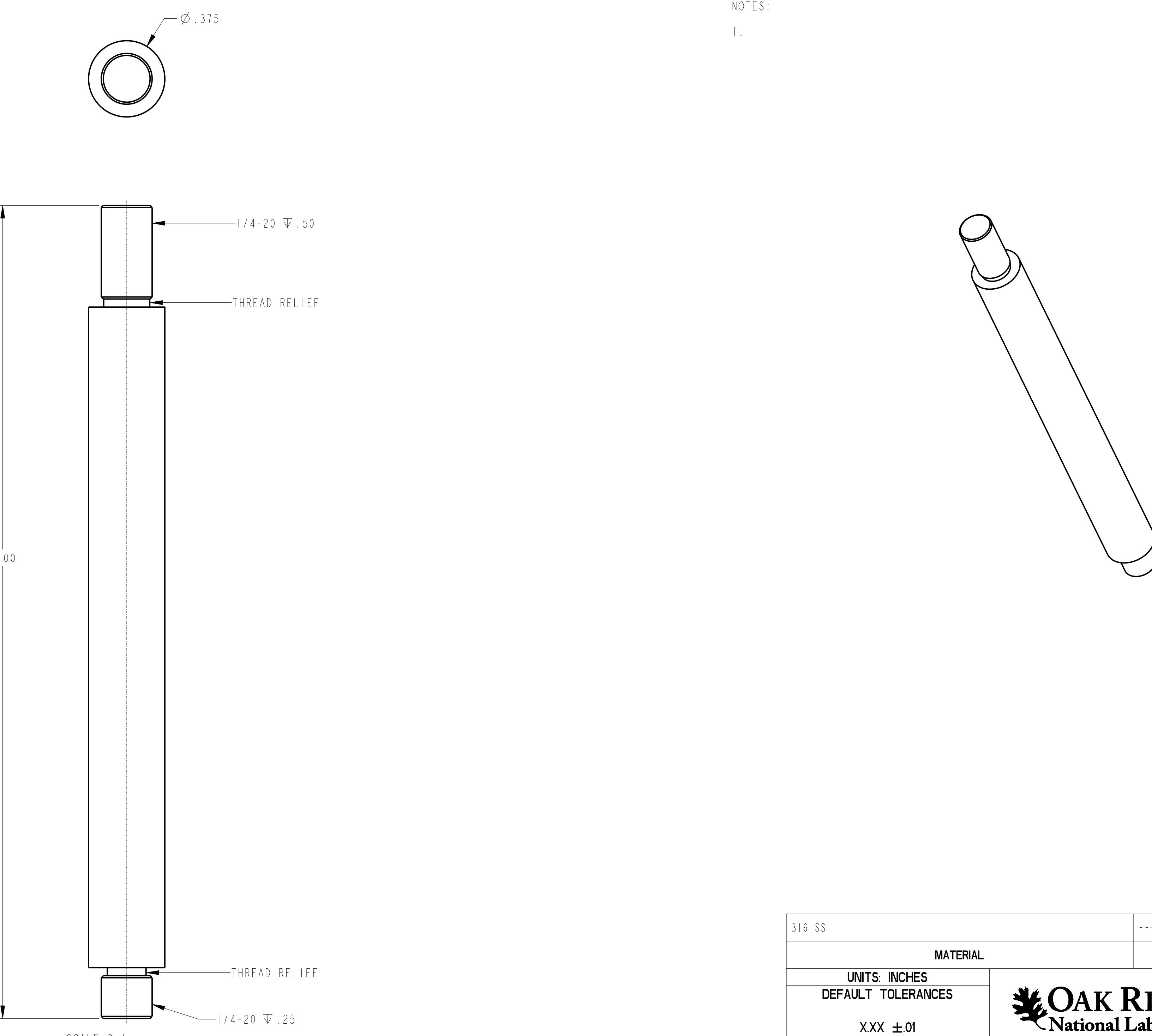
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REV	DESCRIPTION OF CHANGE	DES	CHK	ENG	API	AP2	AP3	DATE
0	ORIGINAL ISSUE PER XXXXXXXX-XXXXXX							

NOTES:

1.



316 SS	---	SPECIFICATION
MATERIAL		
UNITS: INCHES		
DEFAULT TOLERANCES		
XXX ±.01 XXXX ±.005 ANGULAR ±.5°		
BREAK ALL SHARP EDGES EXCEPT AS NOTED: .06 MAX		
SURFACE ROUGHNESS: 125 RMS UNO.		
DRAFTING STD: ASME Y14.100 D & T: ASME Y14.5 WELD SYMBOLS: AWS A2.4	DRAWING NUMBER	REV
THIRD ANGLE PROJECTION	SE-HOT030-M8U-A10034	
	SIZE	SCALE
	D	2:1
	WEIGHT	
	.11 LB	10 of 11
		SHEET

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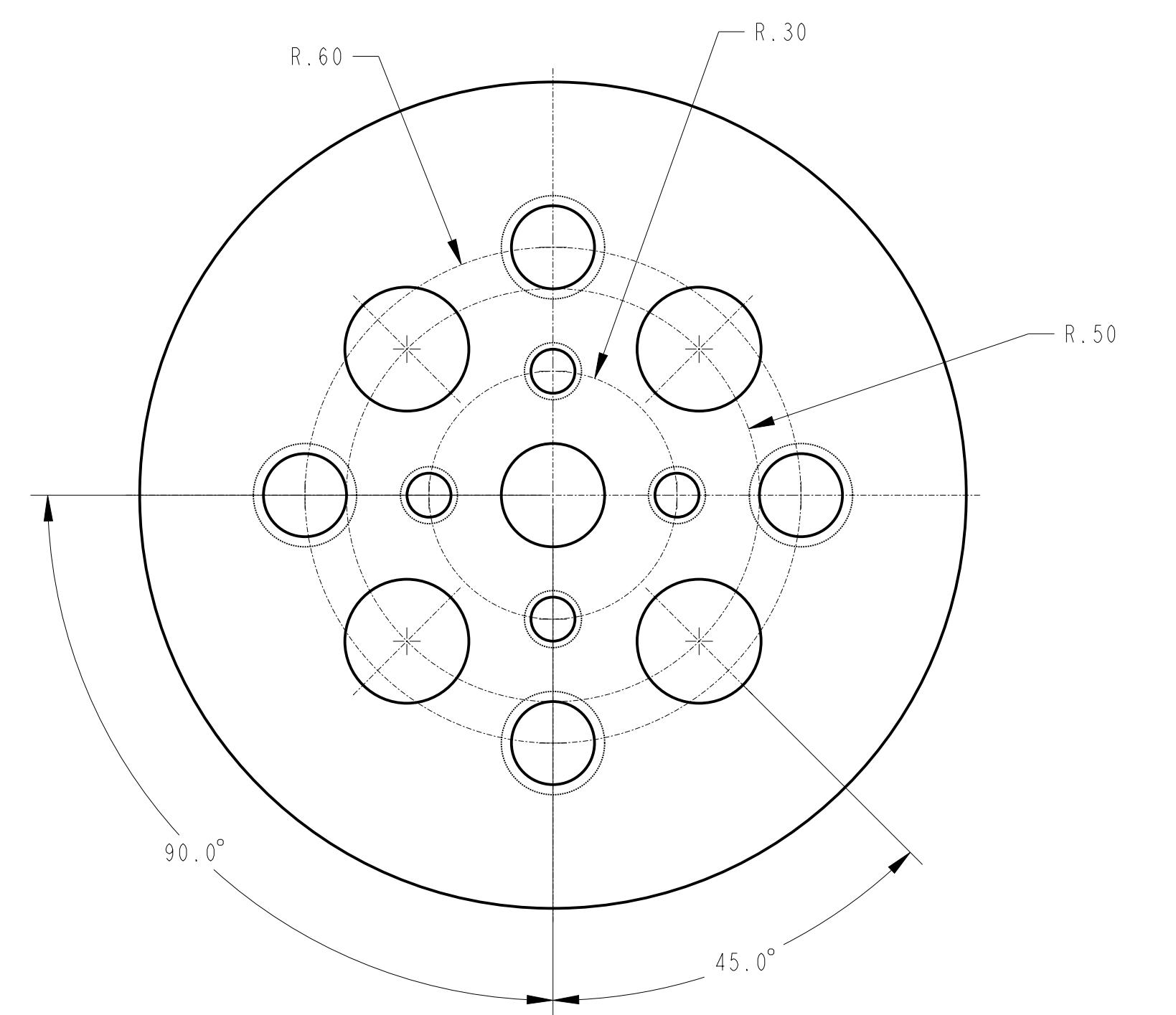
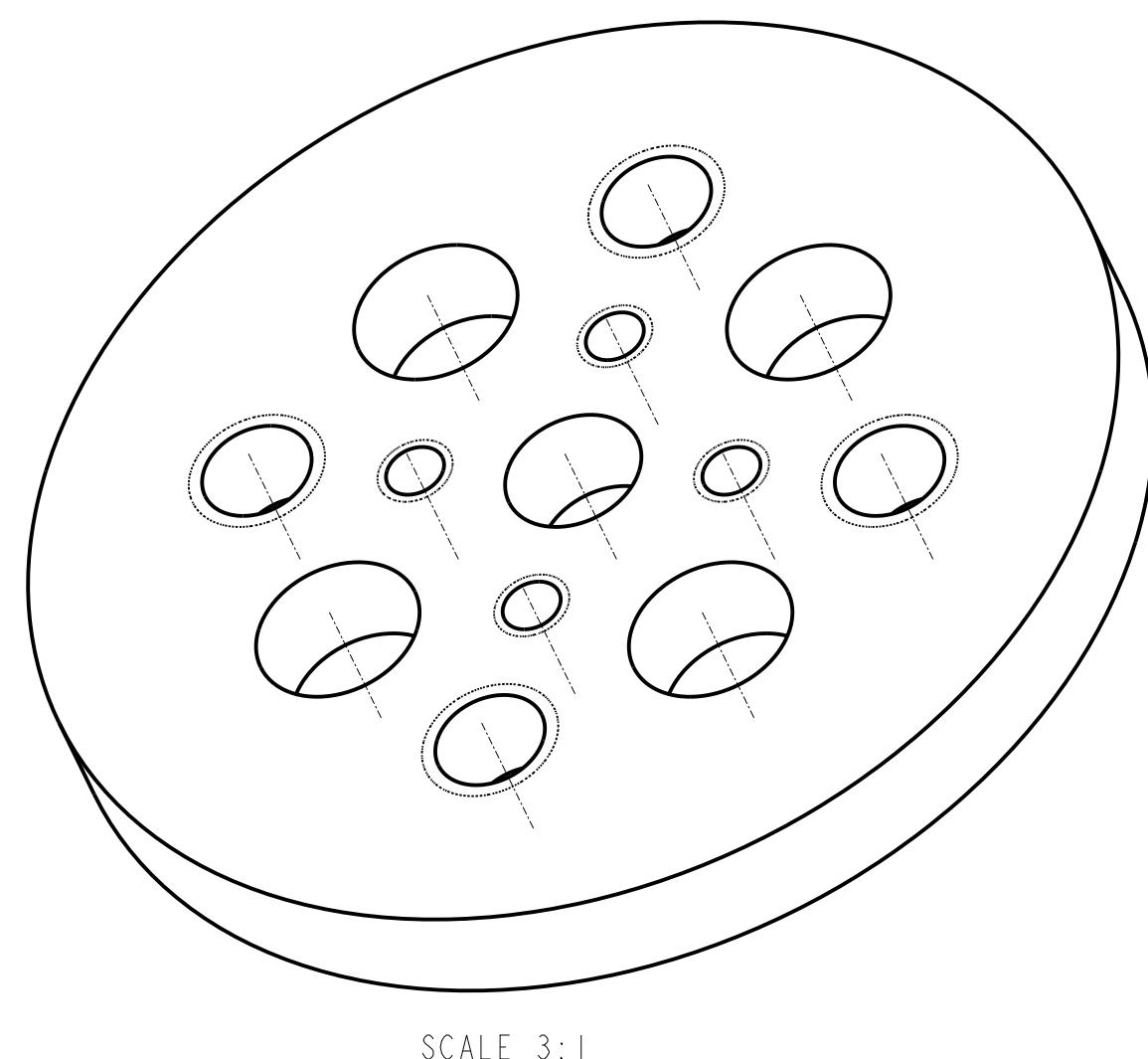
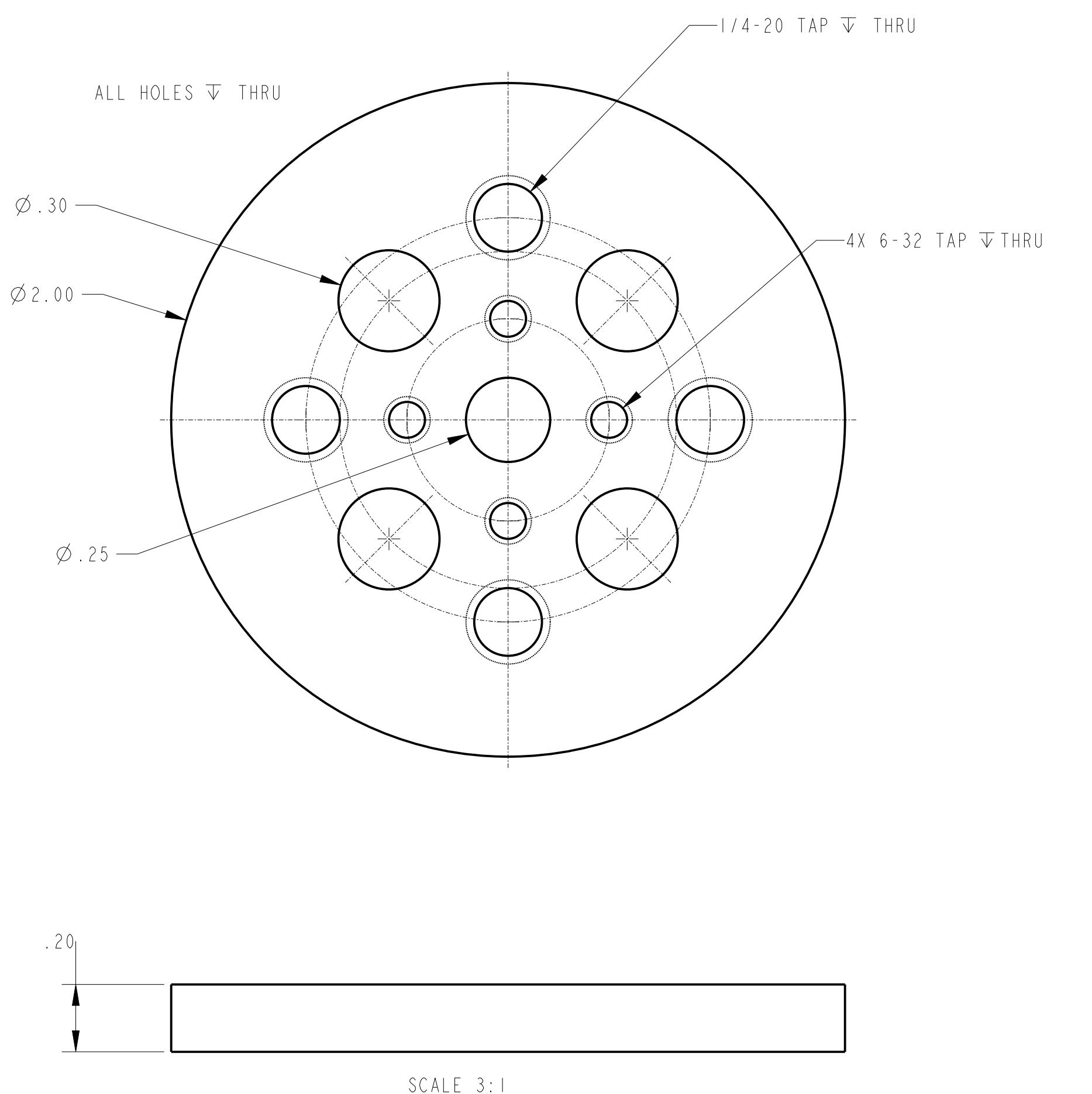
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0	ORIGINAL ISSUE PER XXXXXXXX-XXXXXX							

NOTES:

1.



316 SS	---	SPECIFICATION
MATERIAL		
UNITS: INCHES		
DEFAULT TOLERANCES		
X.XX $\pm .01$ XXXX $\pm .005$ ANGULAR $\pm .5^\circ$		
BREAK ALL SHARP EDGES EXCEPT AS NOTED: .06 MAX		
SURFACE ROUGHNESS: 125 RMS UNO.		
DRAFTING STD: ASME Y14.100 D & T: ASME Y14.5 WELD SYMBOLS: AWS A2.4	DRAWING NUMBER	REV
THIRD ANGLE PROJECTION	SE-HOT030-M8U-A10038	
SIZE	SCALE	WEIGHT
D	2:1	.15 LB
		SHEET
		11 of 11