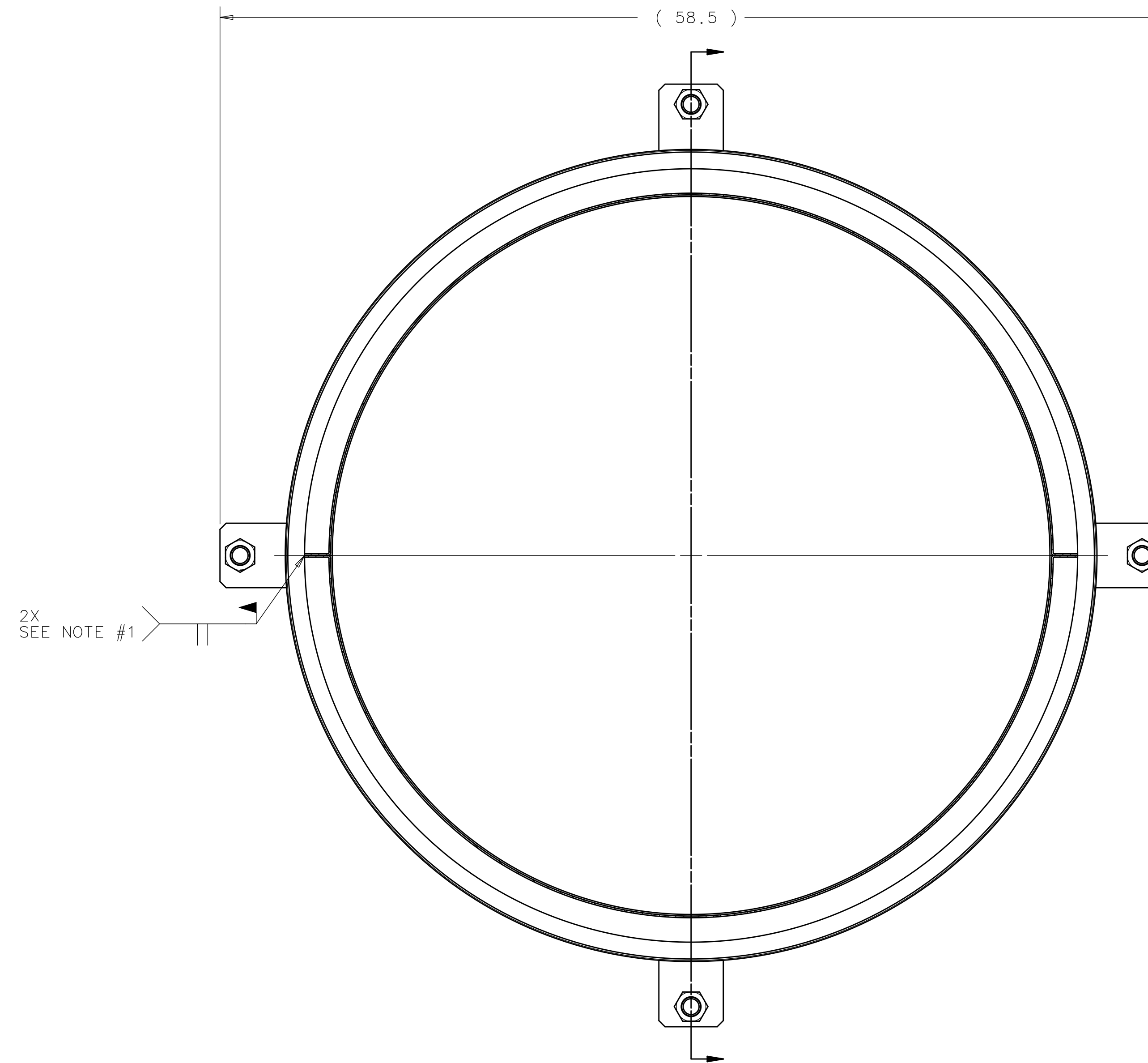
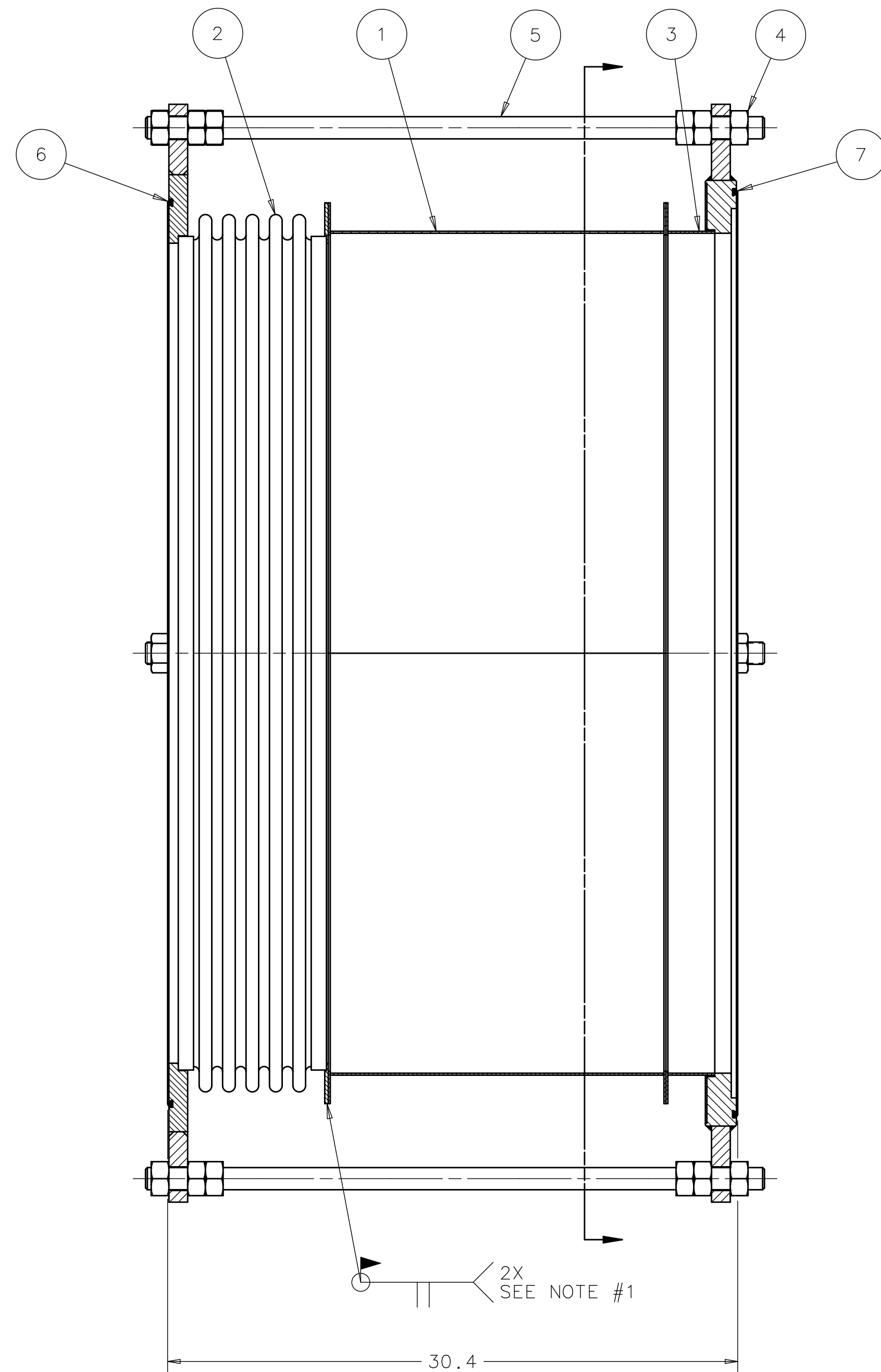
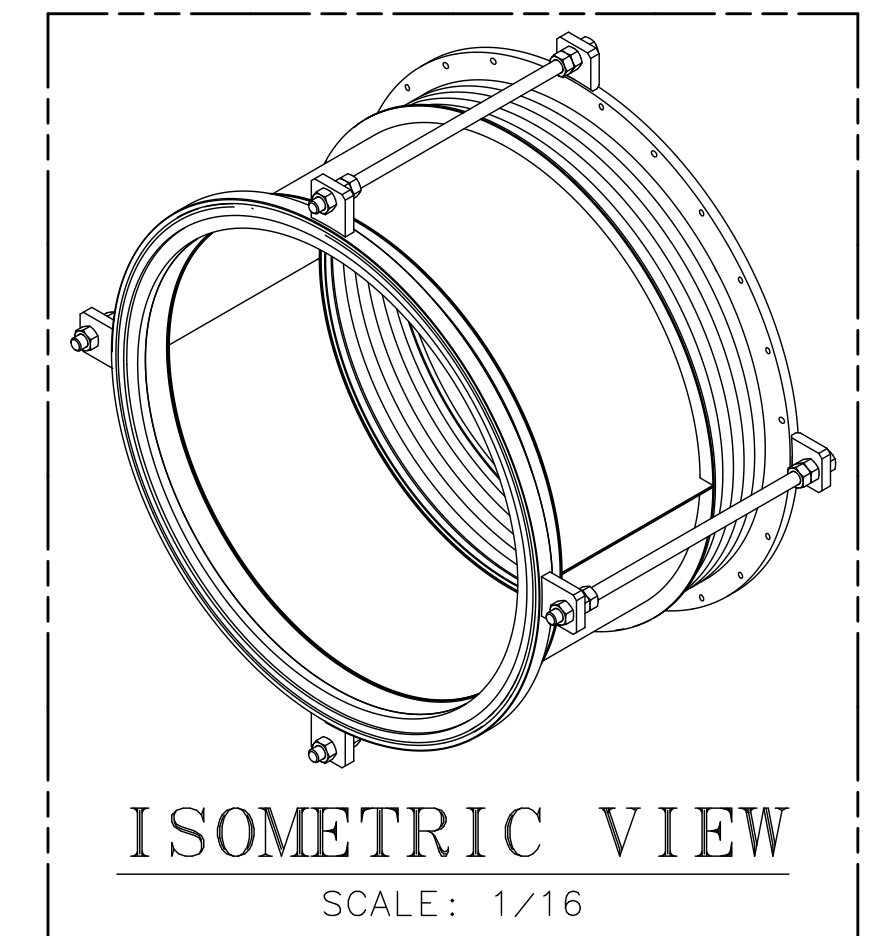


REV	DESCRIPTION	DRAWN	DATE
		APPROVED	DATE
-	NEW RELEASE - ER #8544	J. MONTELONGO	10-05-06



ITEM	PART NO.	DESCRIPTION OR SIZE	QTY.
7	COM'L.	O-RING-VITON 0.275 OD X 48.875 ID	1
6	COM'L.	O-RING-VITON 0.275 OD X 47.75 ID	1
5	COM'L.	M30 X 33 IN LONG, THREADED ROD 316 STAINLESS STEEL	4
4	COM'L.	NUT-HEX M30, 316 S.S.	24
3	MD-440252	CLAMPED FLANGE WELDMENT	1
2	MD-440241	BELLOWS WELDMENT-INTERCONNECT	1
1	MD-440222	HALF SHELL WELDMENT	2

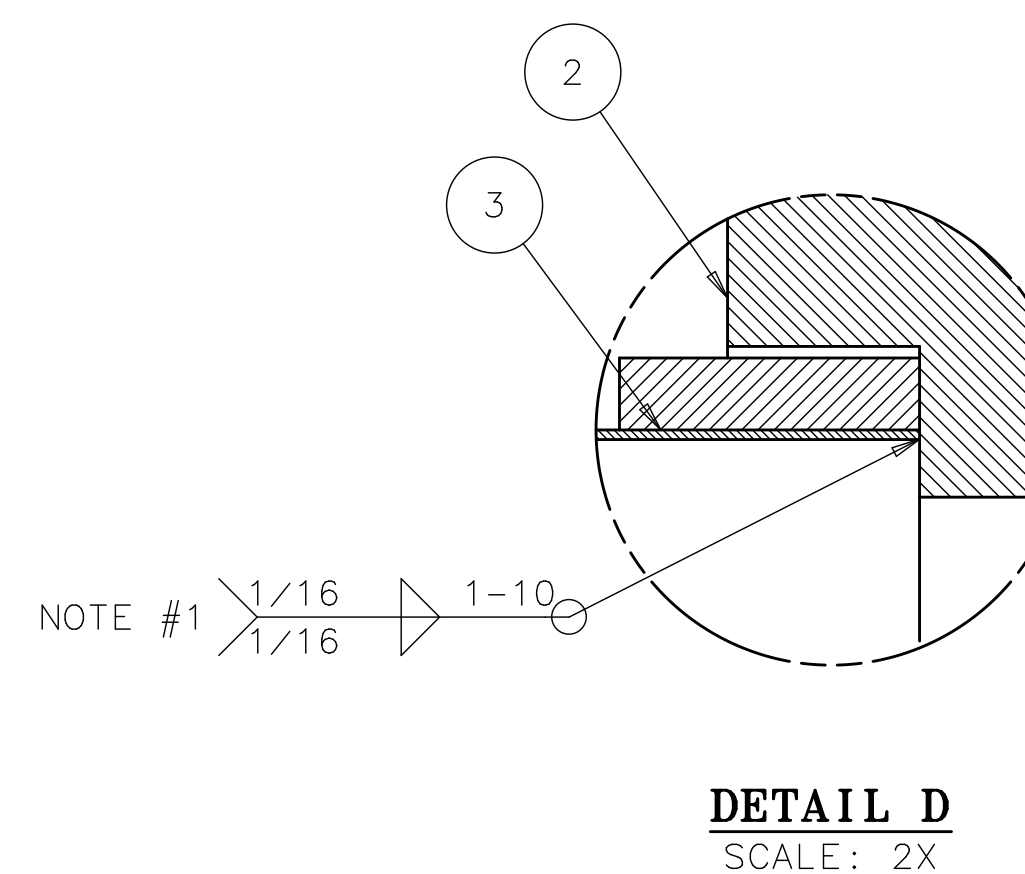
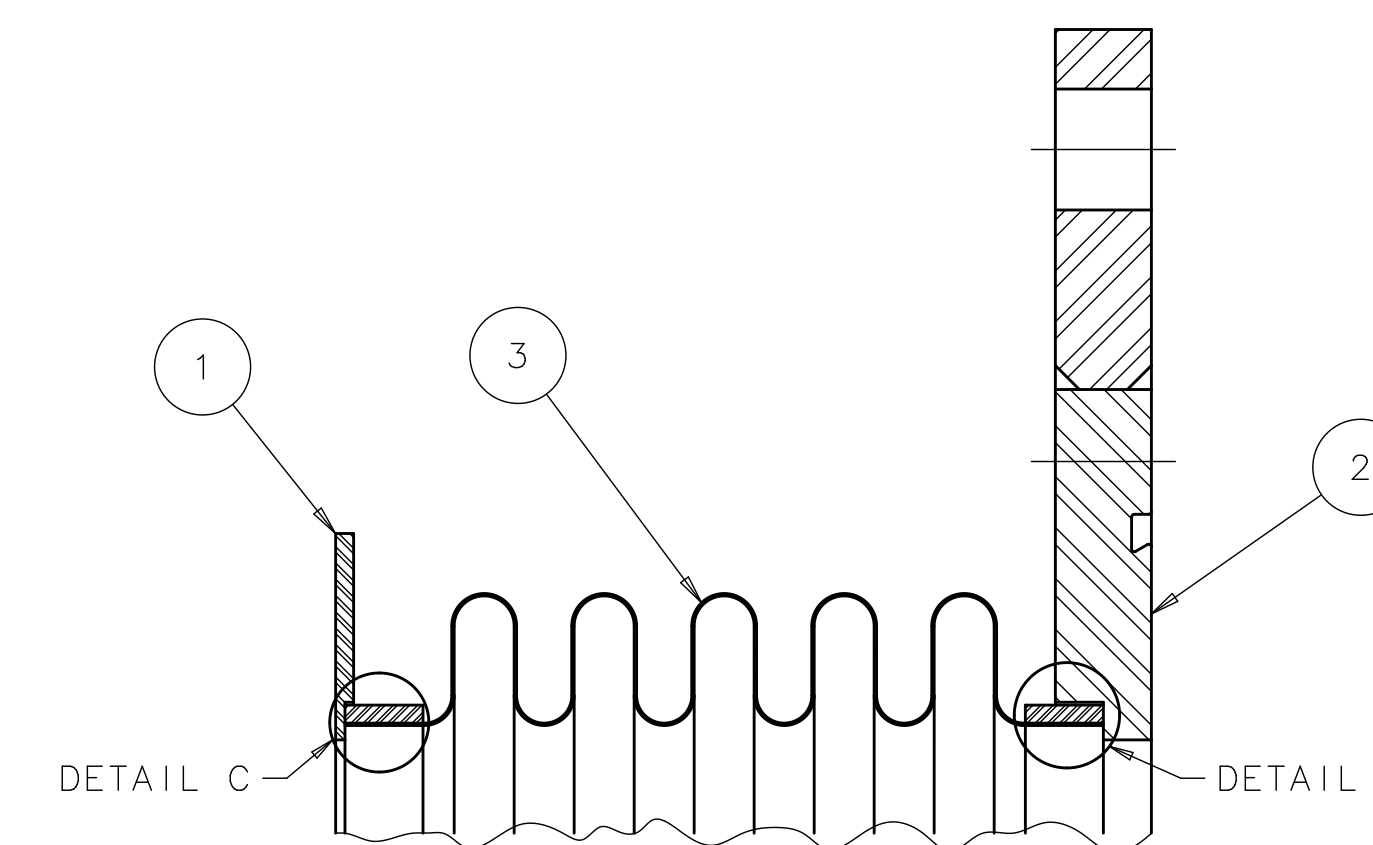
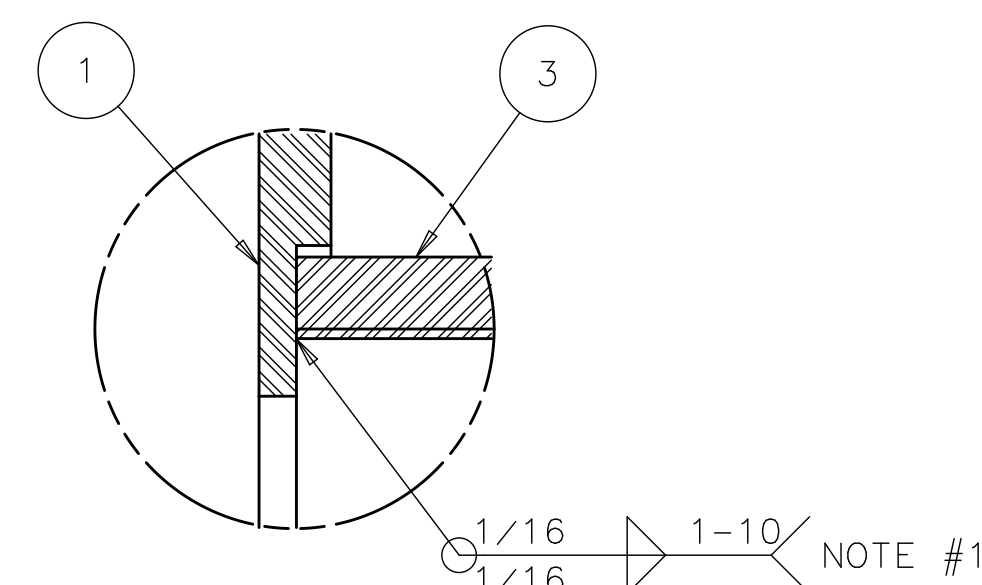
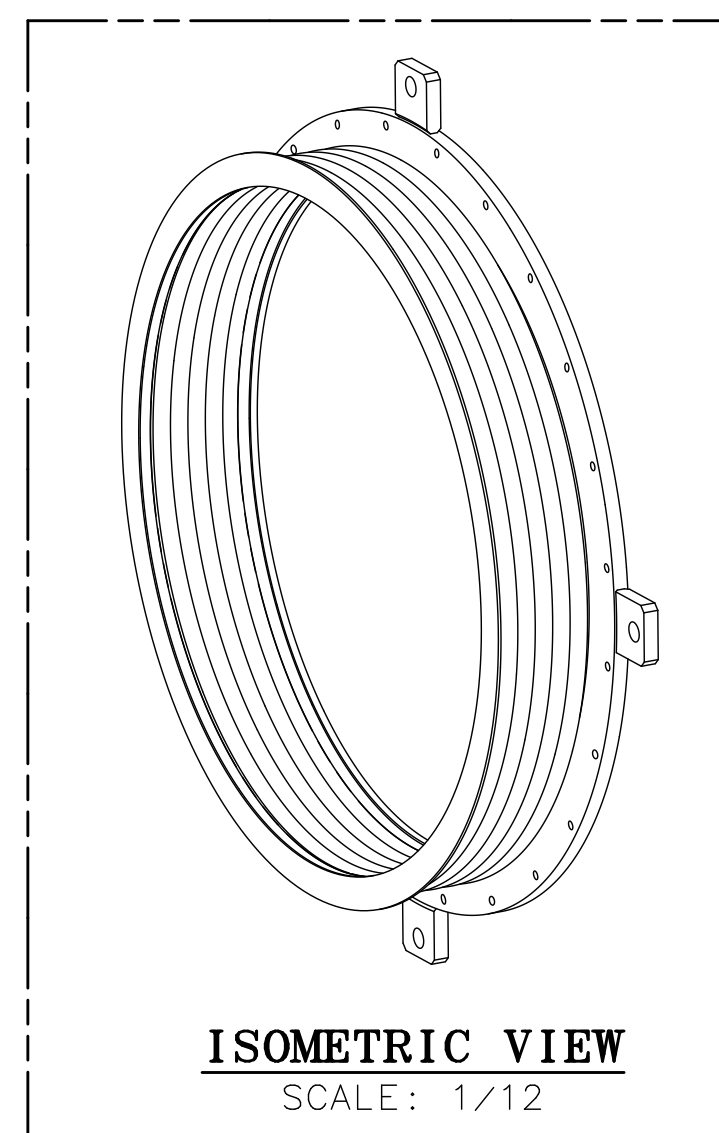
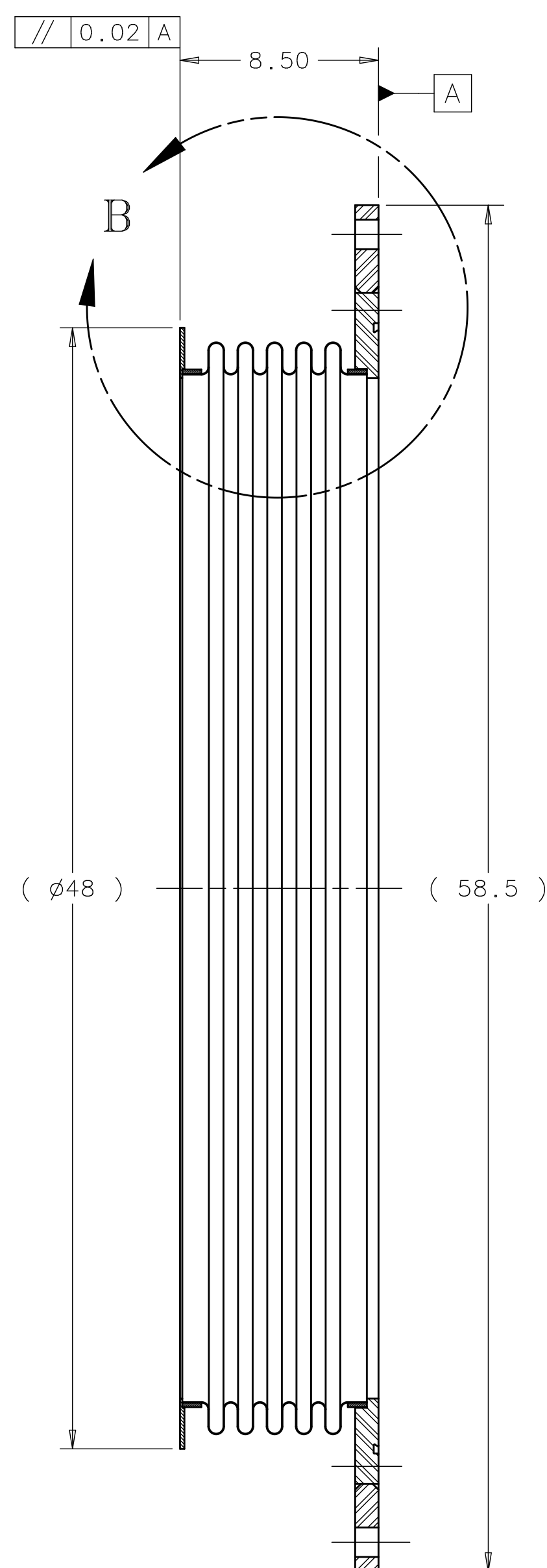
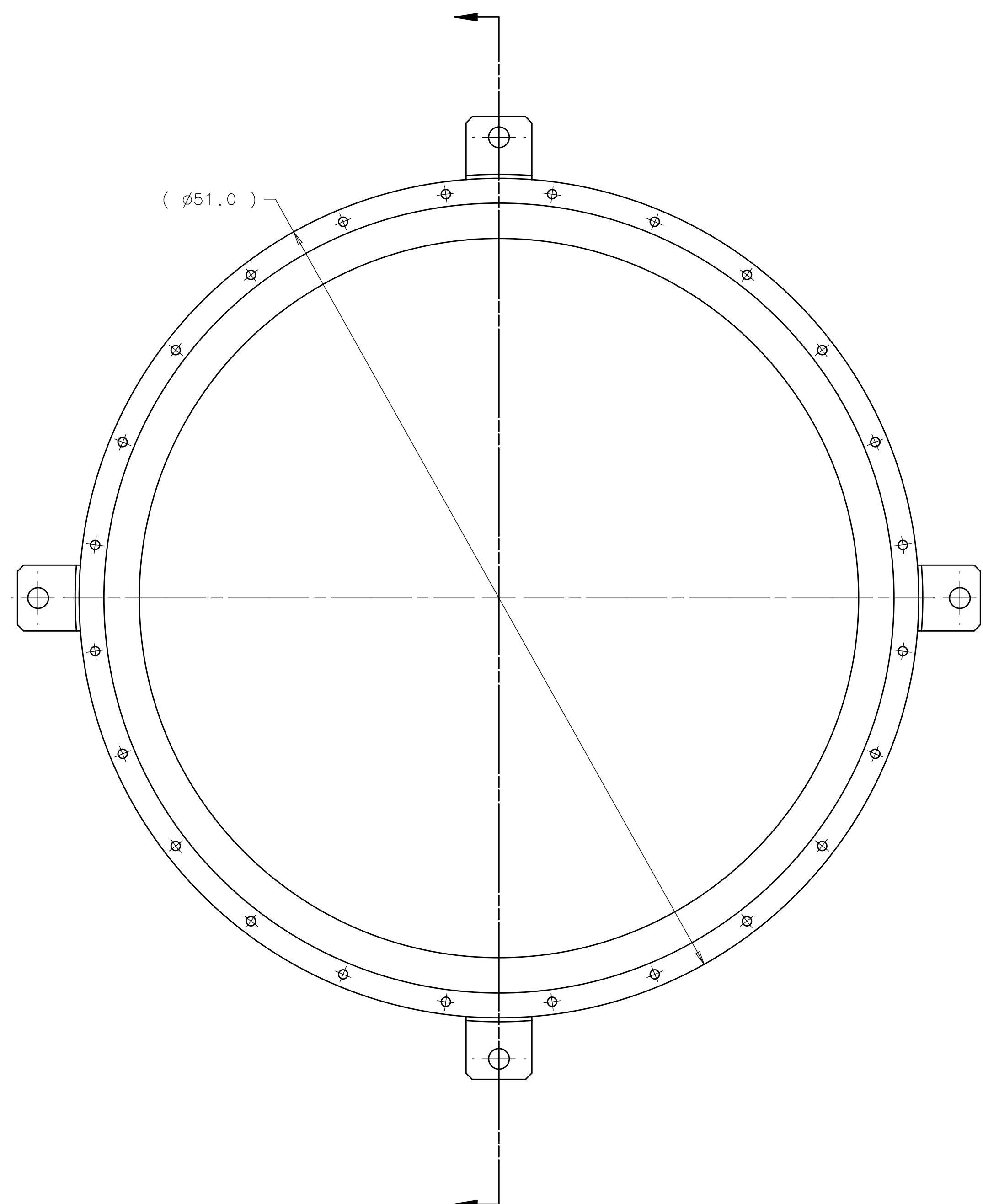
PARTS LIST			
UNLESS OTHERWISE SPECIFIED	ORIGINATOR	D. MITCHELL	20-SEP-2006
X.X	X.XX	ANGLES	DRAWN
± 0.03	± 0.01	± 5°	CHECKED
APPROVED		W. SHARP	
USED ON		SCRF - 3.9 GHZ, 3RD HARMONIC	
MATERIAL		SEE PARTS LIST	
5. DRAWING UNITS: U.S. INCH			

NOTES: (UNLESS OTHERWISE SPECIFIED):

- ALL WELDS TO BE VACUUM LEAK TIGHT. LEAK TEST: NO LEAK SHALL BE DETECTABLE ON THE MOST SENSITIVE SCALE OF A HELIUM LEAK DETECTOR WITH A MINIMUM SENSITIVITY OF 10^{-9} ATM.CC/SEC.

FERMI NATIONAL ACCELERATOR LABORATORY UNITED STATES DEPARTMENT OF ENERGY			
SCRF - 3RD HARMONIC ACCEL INTERCONNECT BELLOWS BELLOWS ASSEMBLY			
SCALE 3/16 AS NOTED	DRAWING NUMBER 5520.000-MD-442063	SHEET 1 OF 1	REV
CREATED WITH : Ideas12NXSeries		GROUP: TD/DDCIS-DESIGN-COMPUTING	

REV	DESCRIPTION	DRAWN	DATE
		APPROVED	DATE
-	NEW RELEASE - ER #8544	J. MONTELONGO	10-05-06



NOTES: (UNLESS OTHERWISE SPECIFIED):

- ALL INSIDE WELDS TO BE VACUUM LEAK TIGHT. LEAK TEST: NO LEAK SHALL BE DETECTABLE ON THE MOST SENSITIVE SCALE OF A HELIUM LEAK DETECTOR WITH A MINIMUM SENSITIVITY OF 10^{-9} ATM.CC/SEC.
- ASSEMBLY MUST BE FREE OF DIRT, GREASE, DENTS, OIL AND CHIPS.

ITEM	PART NO.	DESCRIPTION OR SIZE	QTY.
3	MD-440254	BELLOWS WITH BANDS 44" I.D.	1
2	MD-440237	BELLOWS END FLANGE WELDMENT	1
1	MC-440200	BELLOWS SHOULDERED END RING	1

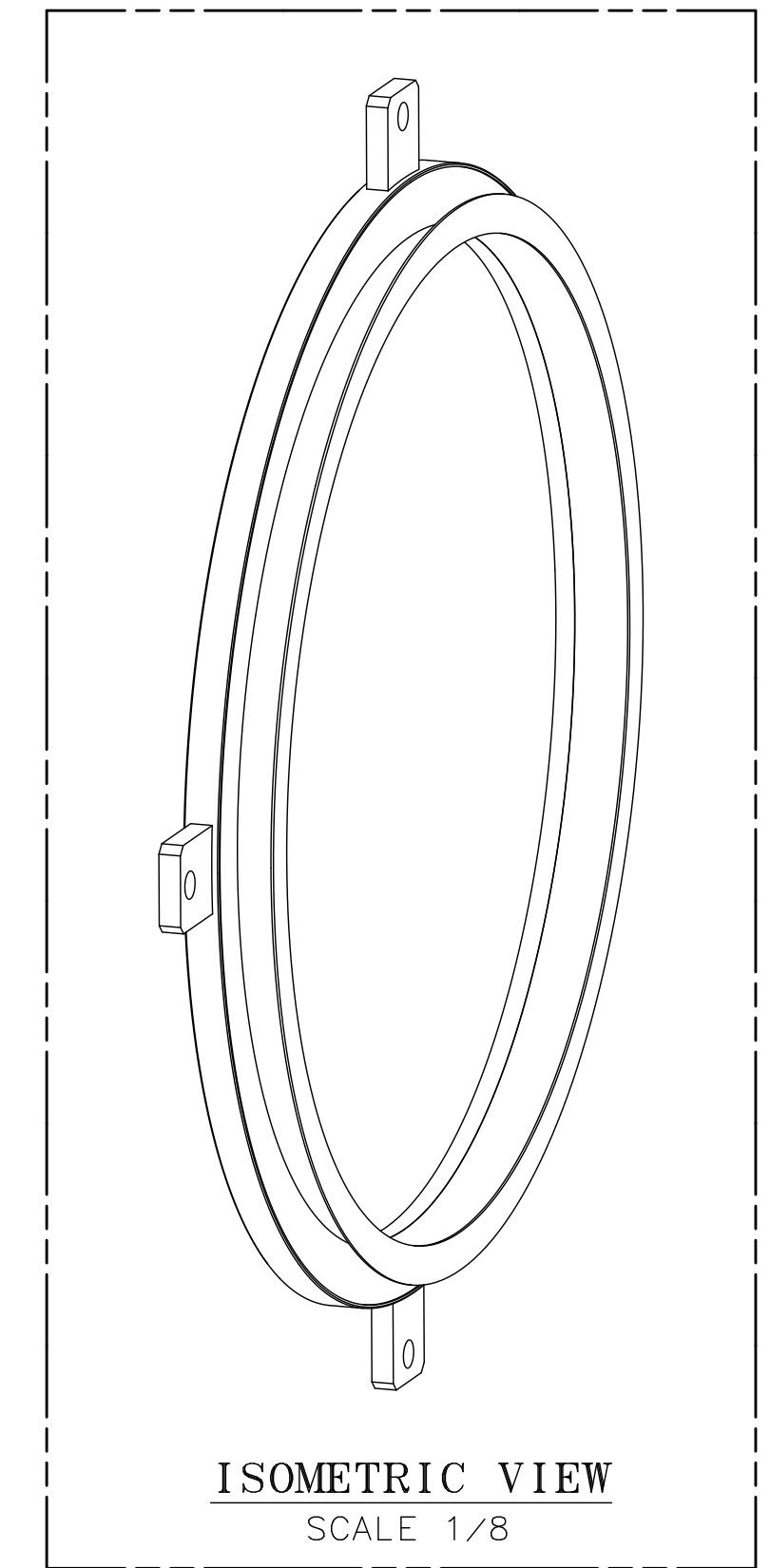
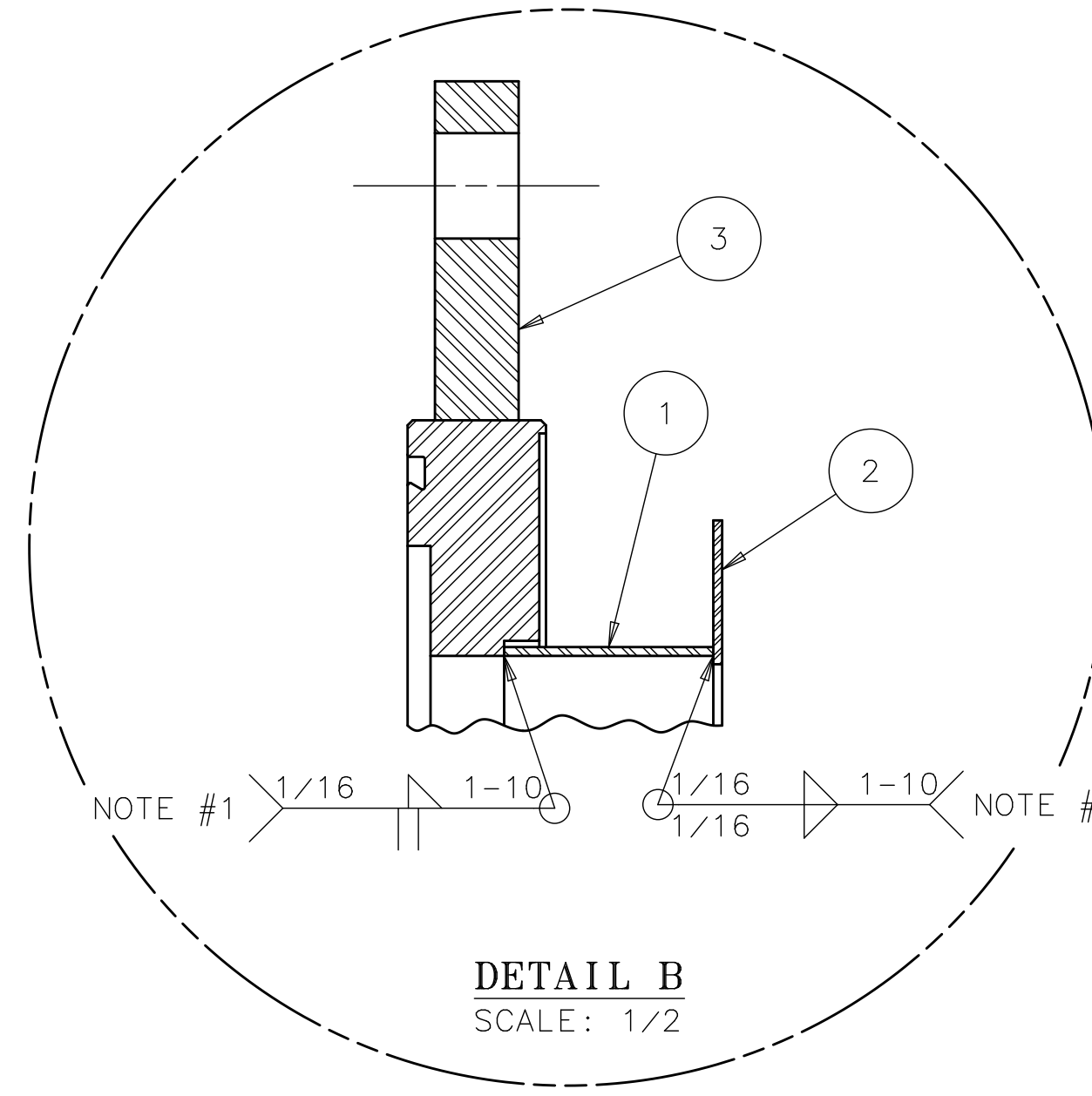
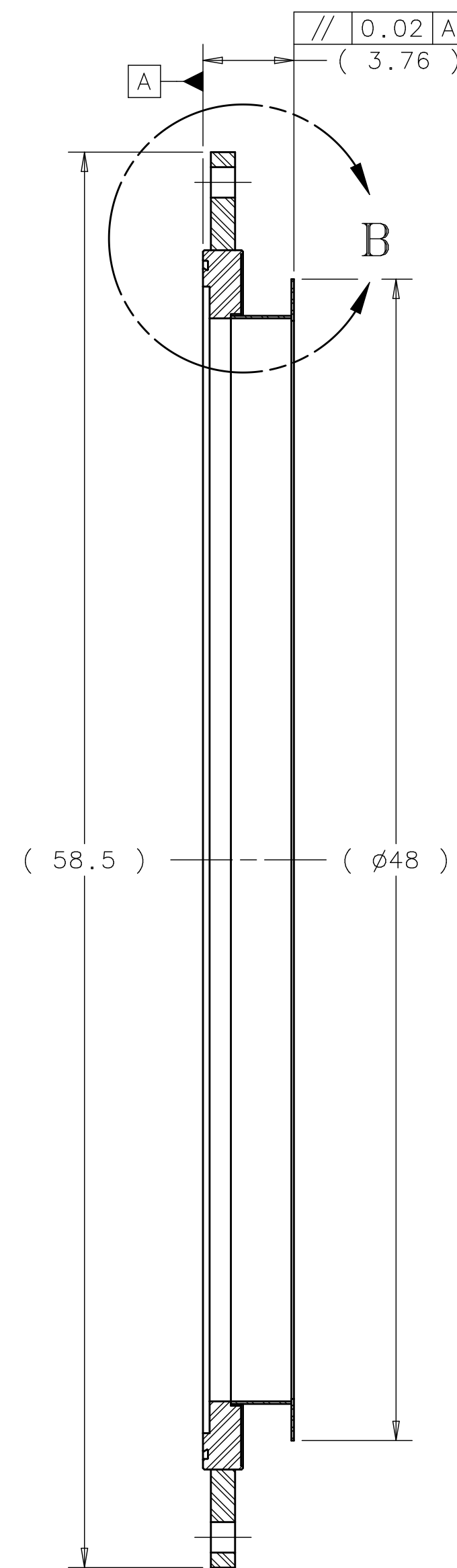
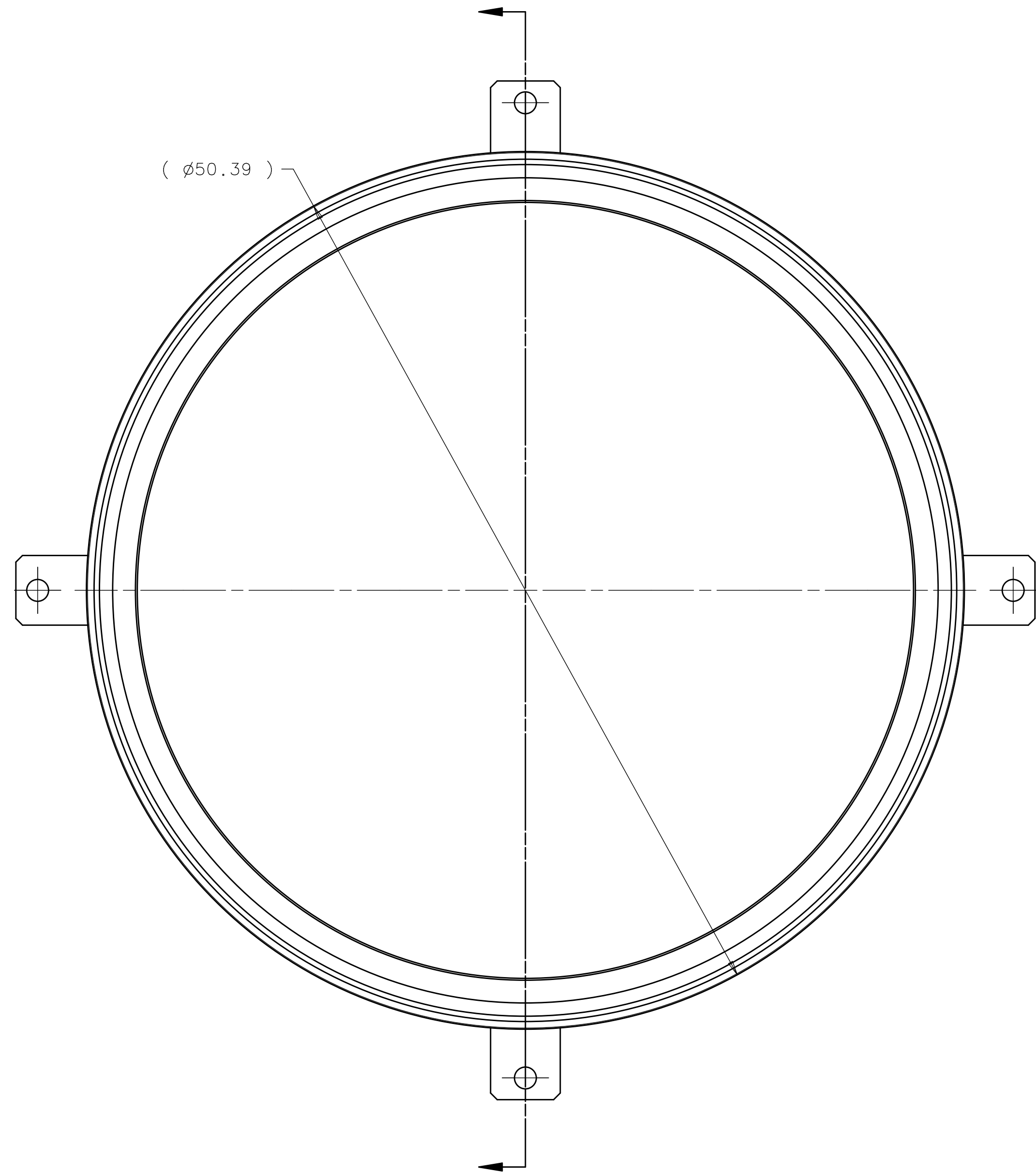
PARTS LIST			
UNLESS OTHERWISE SPECIFIED	ORIGINATOR	D. MITCHELL	21-NOV-2005
X.XX X.XXX ANGLES	DRAWN	T. SPERRY	07-DEC-2005
± 0.03 ± --- ± ---	CHECKED		
1. BREAK ALL SHARP EDGES 0.02 MAX.	APPROVED		
2. DO NOT SCALE DRAWING.	USED ON	MD-442063	
3. DIMENSIONS BASED UPON	MATERIAL	SEE PARTS LIST	
4. MAX. ALL MACH. SURFACES 125/			
5. DRAWING UNITS: U.S. ENGLISH			

FERMI NATIONAL ACCELERATOR LABORATORY
UNITED STATES DEPARTMENT OF ENERGY

SCRF - 3RD HARMONIC ACCEL
INTERCONNECT BELLOWS
BELLOWS WELDMENT-INTERCONNECT

SCALE 3/16 & AS NOTED	DRAWING NUMBER 5520.000-MD-440241	SHEET 1 OF 1	REV
CREATED WITH : Ideas12NXSeries		GROUP: PPD/MECHANICAL DEPARTMENT	

REV	DESCRIPTION	DRAWN	DATE
		APPROVED	DATE
-	NEW RELEASE - ER #8544	J. MONTELONGO	10-05-06



NOTES: (UNLESS OTHERWISE SPECIFIED):

1. ALL INSIDE WELDS TO BE VACUUM LEAK TIGHT. LEAK TEST: NO LEAK SHALL BE DETECTABLE ON THE MOST SENSITIVE SCALE OF A HELIUM LEAK DETECTOR WITH A MINIMUM SENSITIVITY OF 10^{-9} ATM.CC/SEC.
2. ASSEMBLY MUST BE FREE OF DIRT, GREASE, DENTS, OIL AND CHIPS.

ITEM	PART NO.	DESCRIPTION OR SIZE	QTY.
3	MD-440250	FLANGE AND ROD BLOCK WELD	1
2	MC-440208	FULL SHELL WELDING RING	1
1	MC-440207	CLAMPED FLANGE FULL SHELL	1

PARTS LIST

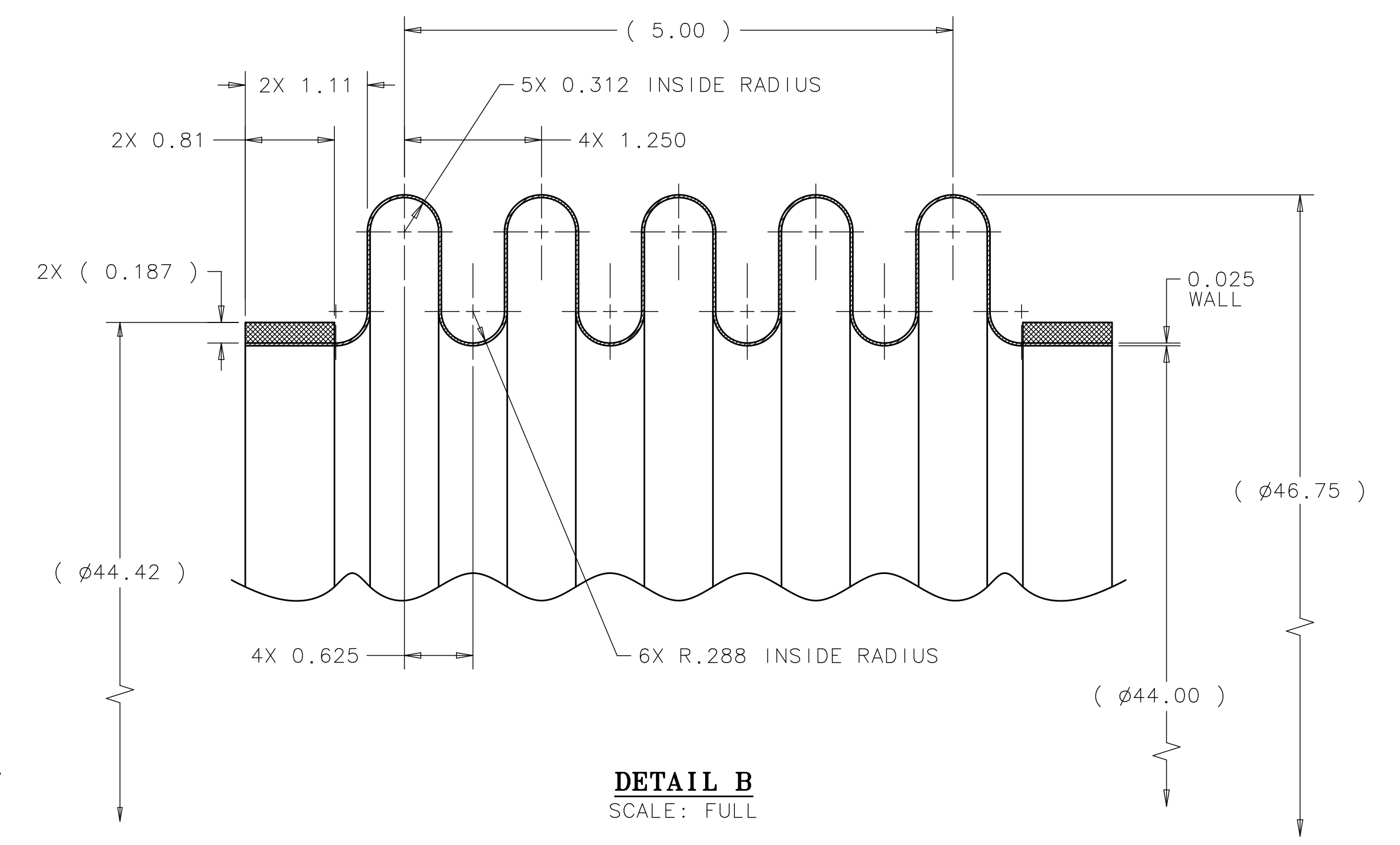
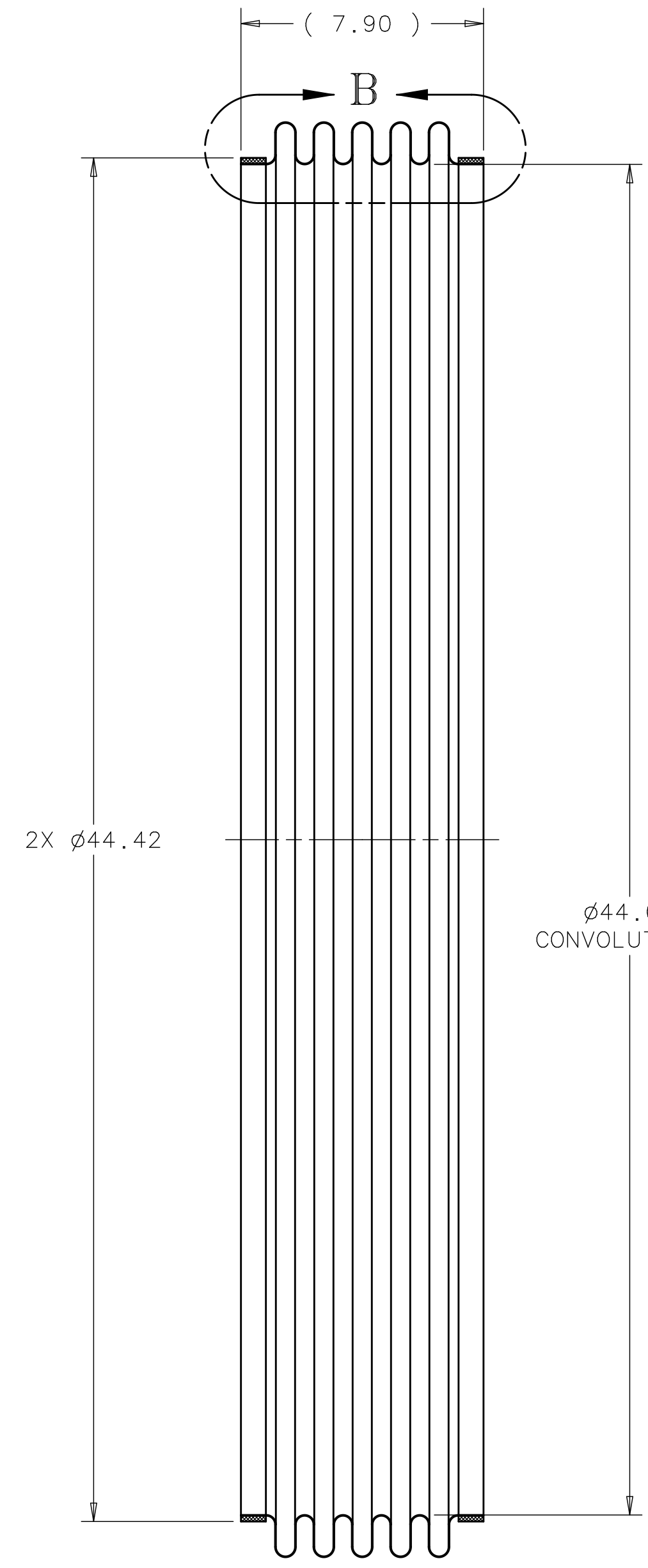
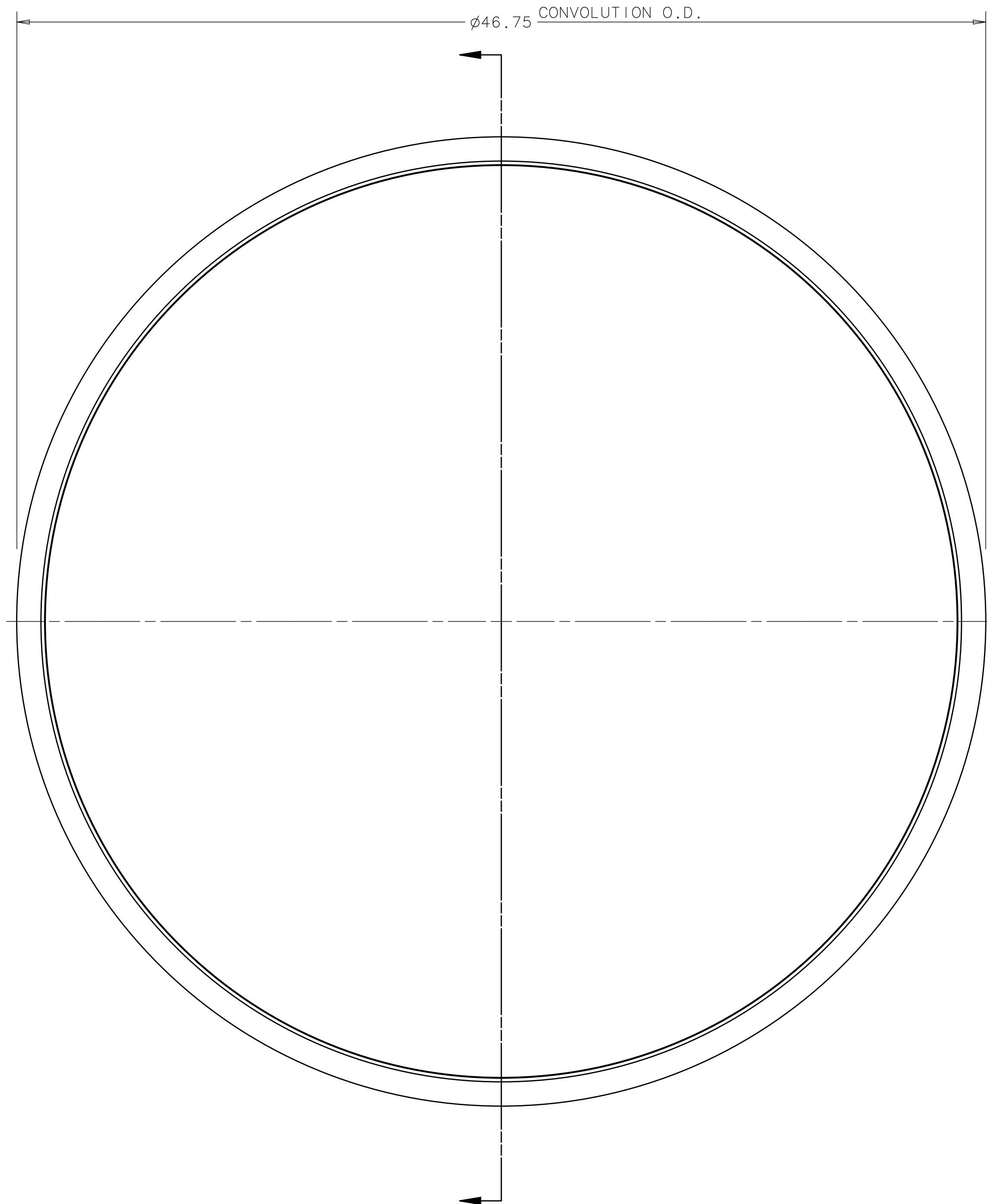
UNLESS OTHERWISE SPECIFIED	ORIGINATOR	D. MITCHELL	21-NOV-2005
X.XX	X.XXX	ANGLE	DRAWN
± ---	± ---	± ---	W. SHARP
± ---	± ---	± ---	CHECKED
1. BREAK ALL SHARP EDGES 0.02 MAX.	APPROVED		
2. DO NOT SCALE DRAWING.	USED ON	MD-442063	
3. DIMENSIONS BASED UPON ASME Y14.5M-1994	MATERIAL	SEE PARTS LIST	
4. MAX. ALL MACH. SURFACES 125			
5. DRAWING UNITS: U.S. INCH			

FERMI NATIONAL ACCELERATOR LABORATORY
UNITED STATES DEPARTMENT OF ENERGY

SCRF - 3RD HARMONIC ACCEL INTERCONNECT BELLOWS CLAMPED FLANGE WELDMENT

SCALE 3/16 & AS NOTED	DRAWING NUMBER 5520.000-MD-440252	SHEET 1 OF 1	REV
CREATED WITH : Ideas12NXSeries		GROUP: TD/DDCIS-DESIGN-COMPUTING	

REV	DESCRIPTION	DRAWN	DATE
		APPROVED	DATE
-	NEW RELEASE - ER #8544	J. MONTELONGO	10-05-06



- NOTES: (UNLESS OTHERWISE SPECIFIED):
1. END RINGS, 0.187" THICK, TO BE FIT & BRAZED TO 0.025" WALL BELLOWS, PER VENDORS CHOICE TO OBTAIN A VACUUM TIGHT SEAL. LEAK TEST: NO LEAK SHALL BE DETECTABLE ON THE MOST SENSITIVE SCALE OF A HELIUM LEAK DETECTOR WITH A MINIMUM SENSITIVITY OF 10⁻¹⁰ ATM.CC/SEC.
 2. BELLOWS MUST BE FREE OF DIRT, GREASE, DENTS, OIL AND CHIPS.

UNLESS OTHERWISE SPECIFIED			ORIGINATOR	D. MITCHELL	21-NOV-2005
X.XX	X.XXX	ANGLE	DRAWN	J. MONTELONGO	05-OCT-2006
± 0.02	± 0.005	± --	CHECKED		
1. BREAK ALL SHARP EDGES 0.02 MAX.			APPROVED		
2. DO NOT SCALE DRAWING.			USED ON		
3. DIMENSIONS BASED UPON ASME Y14.5M-1994			MD-440241		
4. MAX. ALL MACH. SURFACES			MATERIAL		
5. DRAWING UNITS: U.S. INCH			STAINLESS STEEL, TYPE 304L		

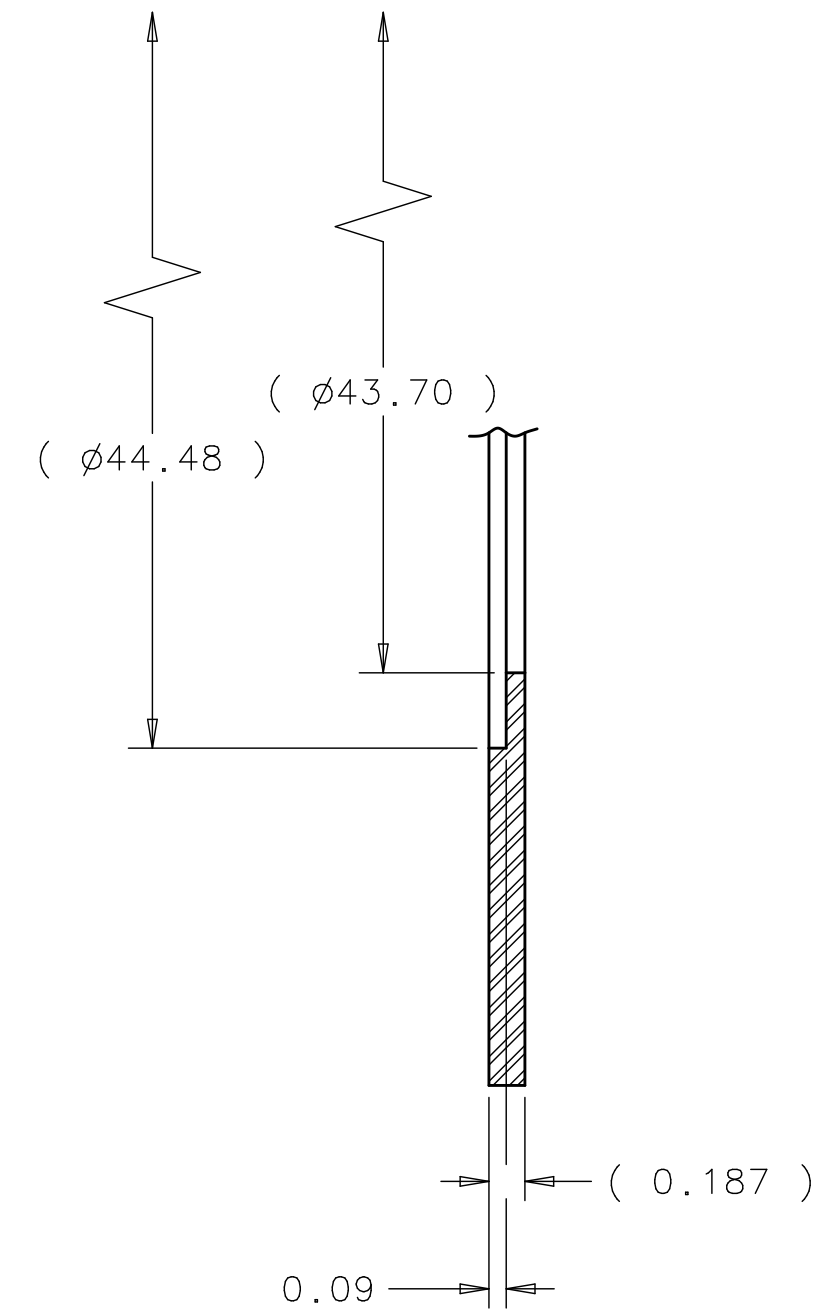
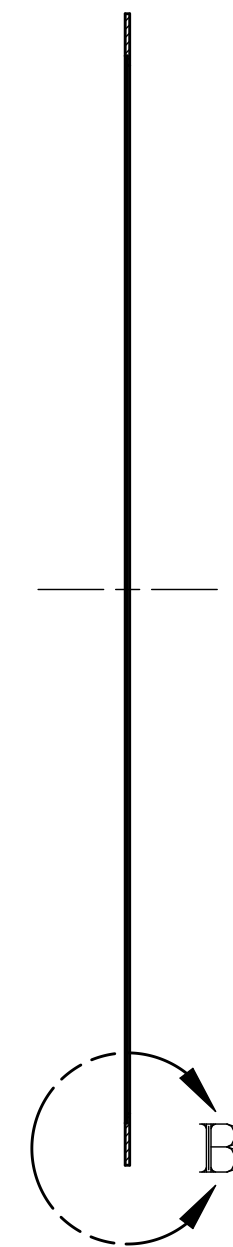
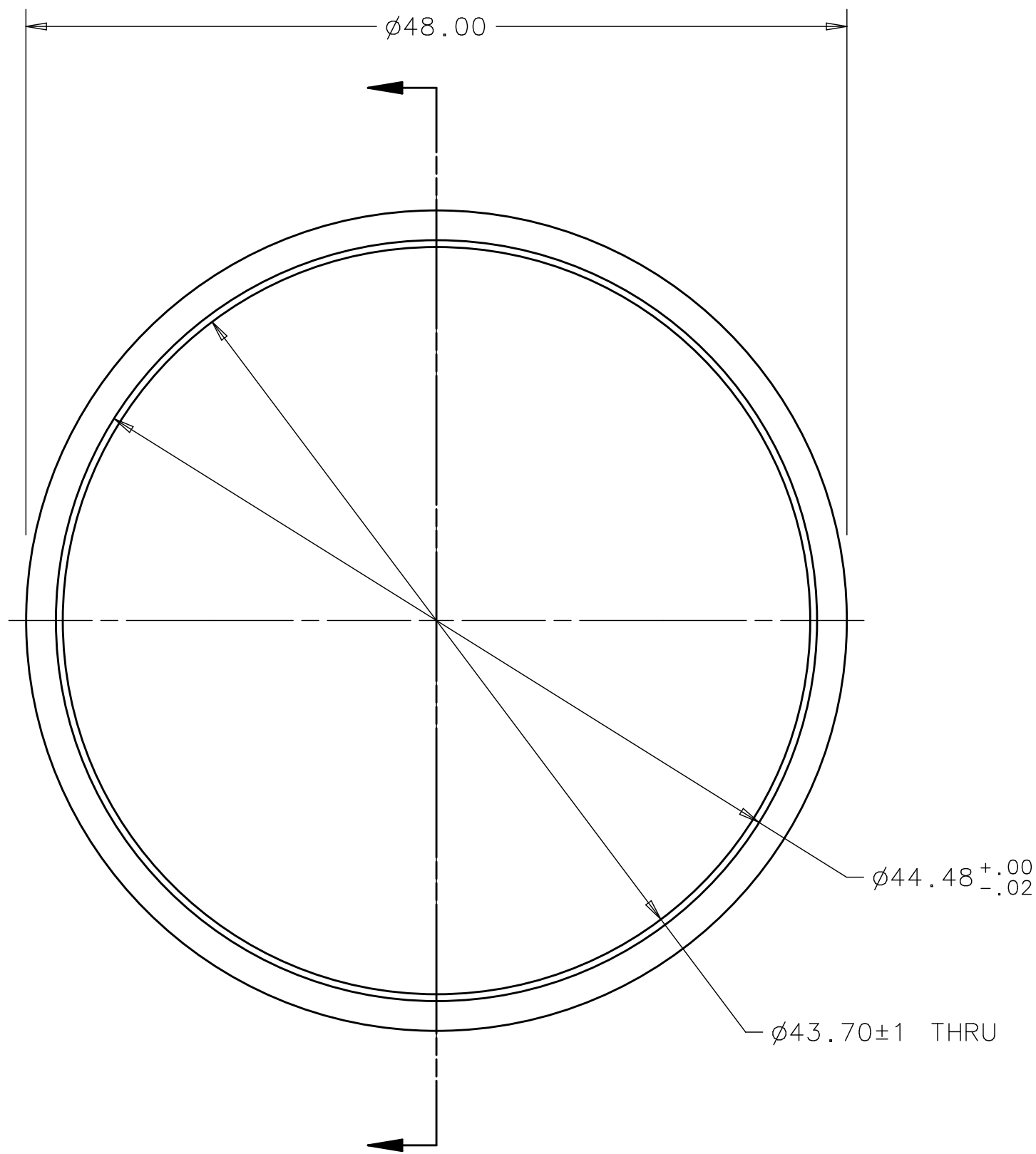
FERMI NATIONAL ACCELERATOR LABORATORY
UNITED STATES DEPARTMENT OF ENERGY

SCRF - 3RD HARMONIC ACCEL INTERCONNECT BELLOWS
BELLOWS WITH BANDS 44" I.D.

SCALE 1:4 & AS NOTED	DRAWING NUMBER 5520.000-MD-440254	SHEET 1 OF 1	REV
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CREATED WITH : Ideas12NXSeries GROUP: TD/DDCIS-DESIGN-COMPUTING


REV	DESCRIPTION	DRAWN	DATE
		APPROVED	DATE
-	NEW RELEASE - ER# 8544	J. MONTELONGO	10-05-06



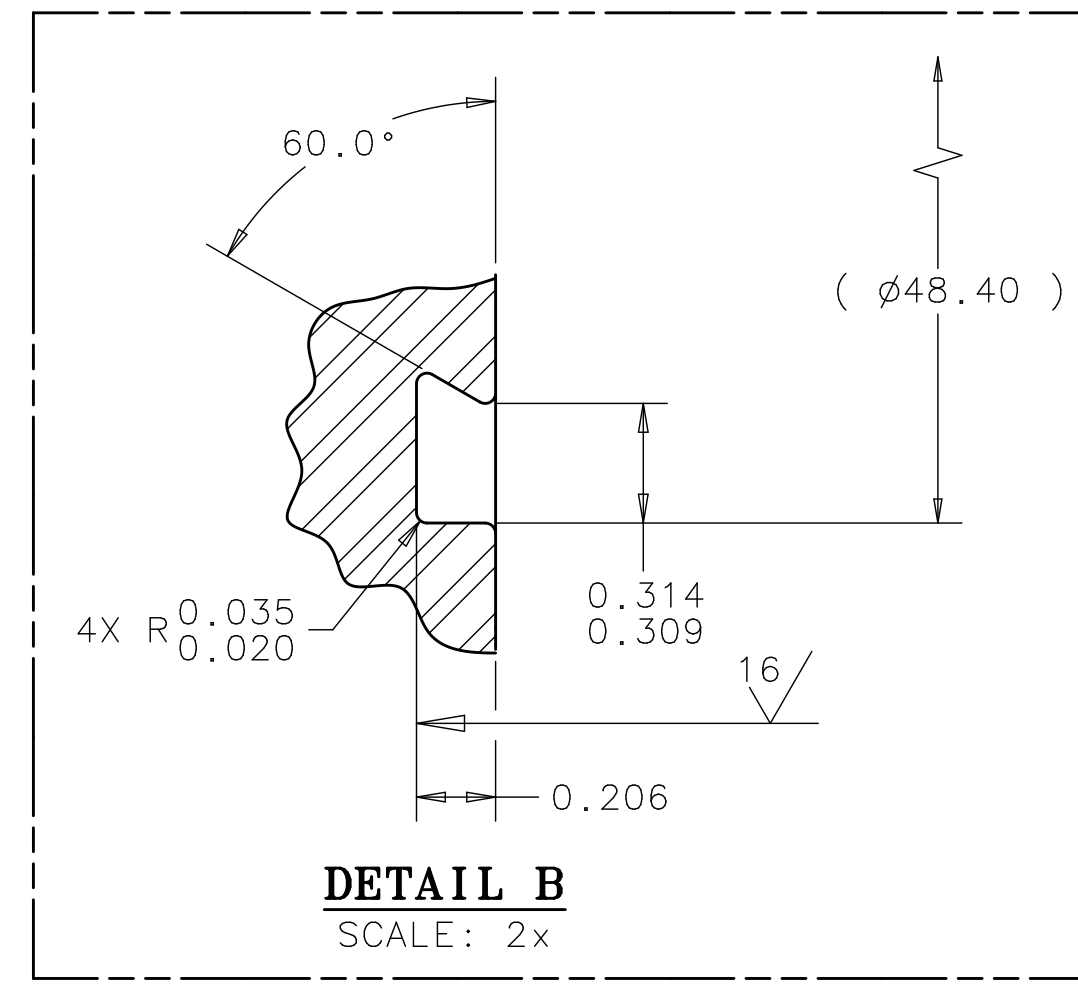
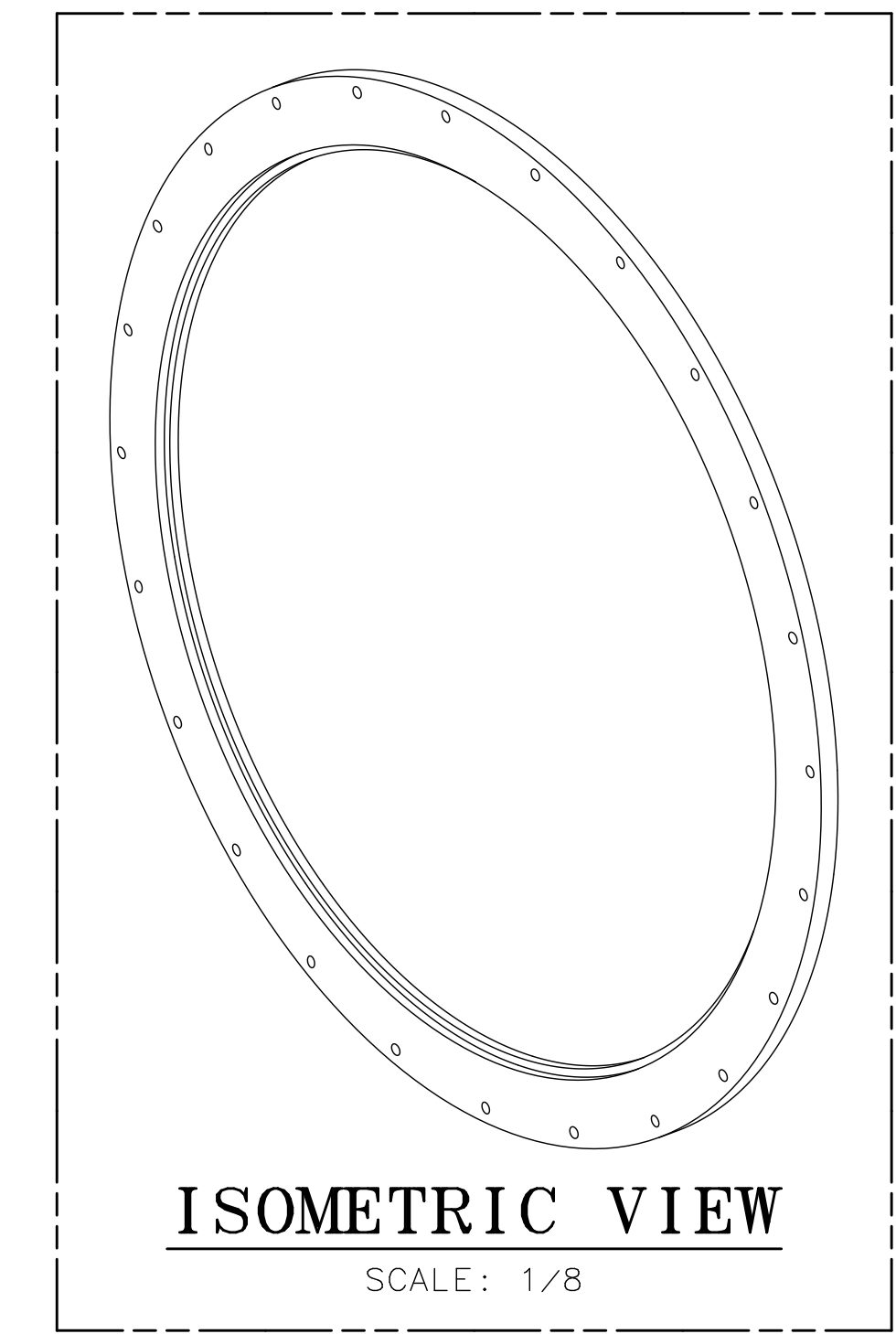
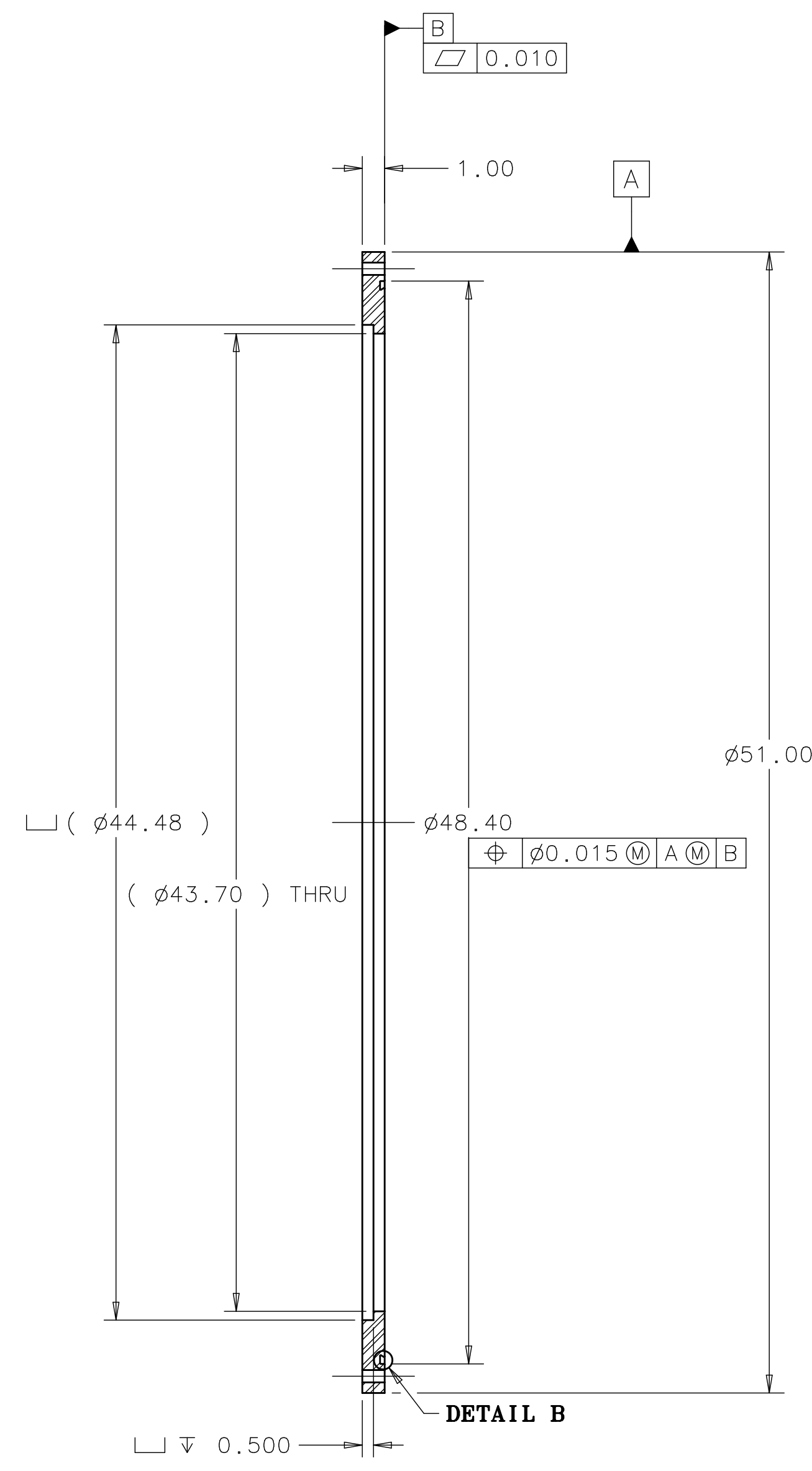
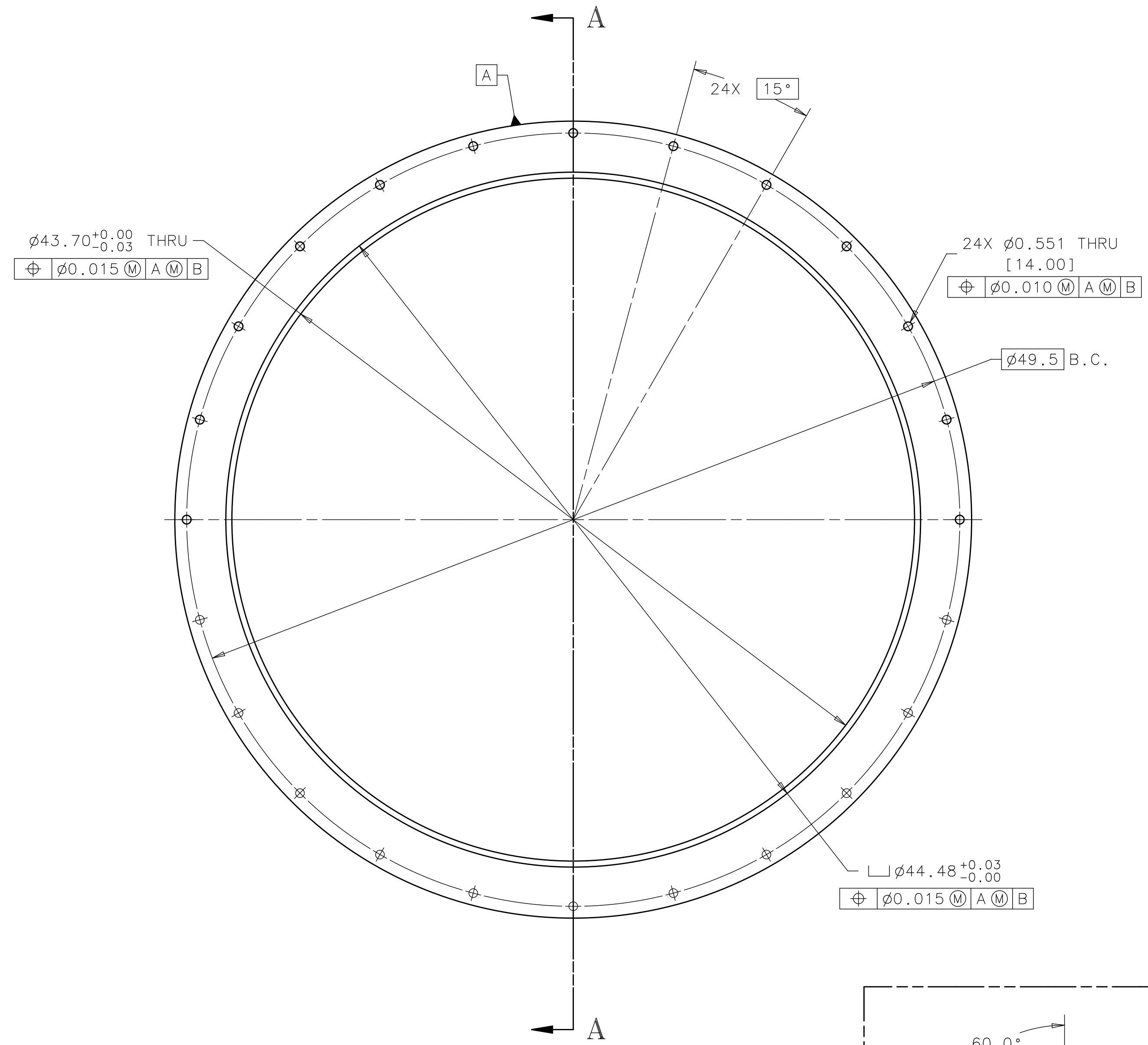
DETAIL B
SCALE: FULL

NOTES: (UNLESS OTHERWISE SPECIFIED):

- PART MUST BE FREE OF DIRT, GREASE, DENTS, OIL AND CHIPS.

UNLESS OTHERWISE SPECIFIED			ORIGINATOR	D. MITCHELL	21-NOV-2005
X.XX	X.XXX	ANGLES	DRAWN	J. MONTELONGO	05-OCT-2006
± 0.02	$\pm \text{---}$	$\pm \text{---}$	CHECKED		
1. BREAK ALL SHARP EDGES 0.02 MAX. 2. DO NOT SCALE DRAWING. 3. DIMENSIONS BASED UPON ASME Y14.5M-1994 4. MAX. ALL MACH. SURFACES $\sqrt{63}$ 5. DRAWING UNITS: U.S. INCH			APPROVED		
			USED ON	MD-440241	
			MATERIAL	304L STAINLESS STEEL SHEET, 0.187 THK (7 GA.), ASTM A240	
 FERMI NATIONAL ACCELERATOR LABORATORY UNITED STATES DEPARTMENT OF ENERGY					
SCRF - 3RD HARMONIC ACCEL INTERCONNECT BELLOWS BELLOWS SHOULDERED END RING					
SCALE 1/4 & AS NOTED	DRAWING NUMBER 5520.000-MC-440200			SHEET 1 OF 1	REV
CREATED WITH : Ideas12NXSeries		GROUP: PPD/MECHANICAL DEPARTMENT			

REV	DESCRIPTION	DRAWN	DATE
		APPROVED	DATE
---	NEW RELEASE - ER# XXXX		



SECTION A-A

NOTES:

- UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES. DIMENSIONS IN BRACKETS, IF SHOWN, ARE IN MILLIMETERS.

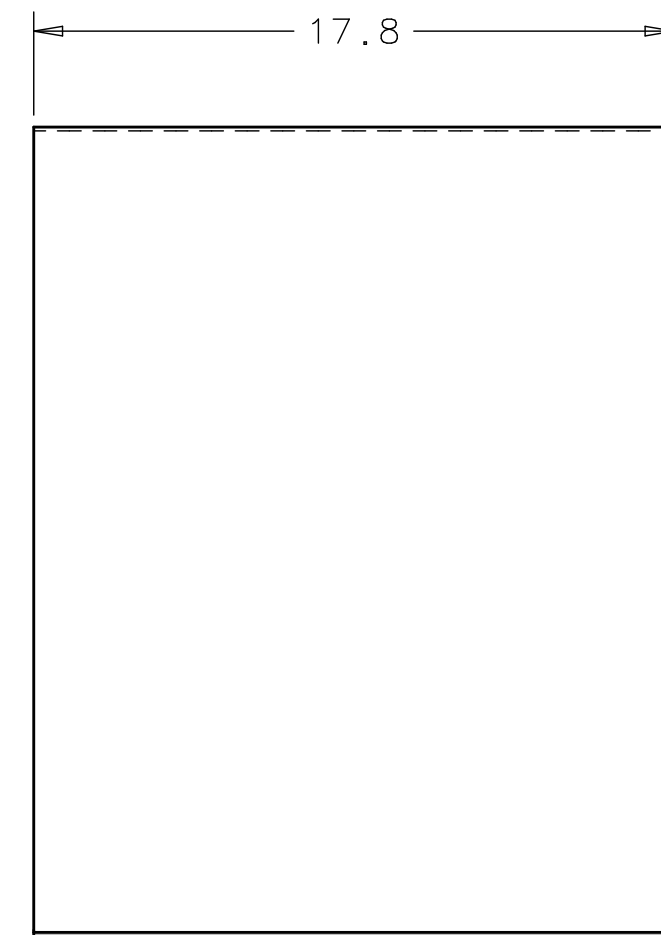
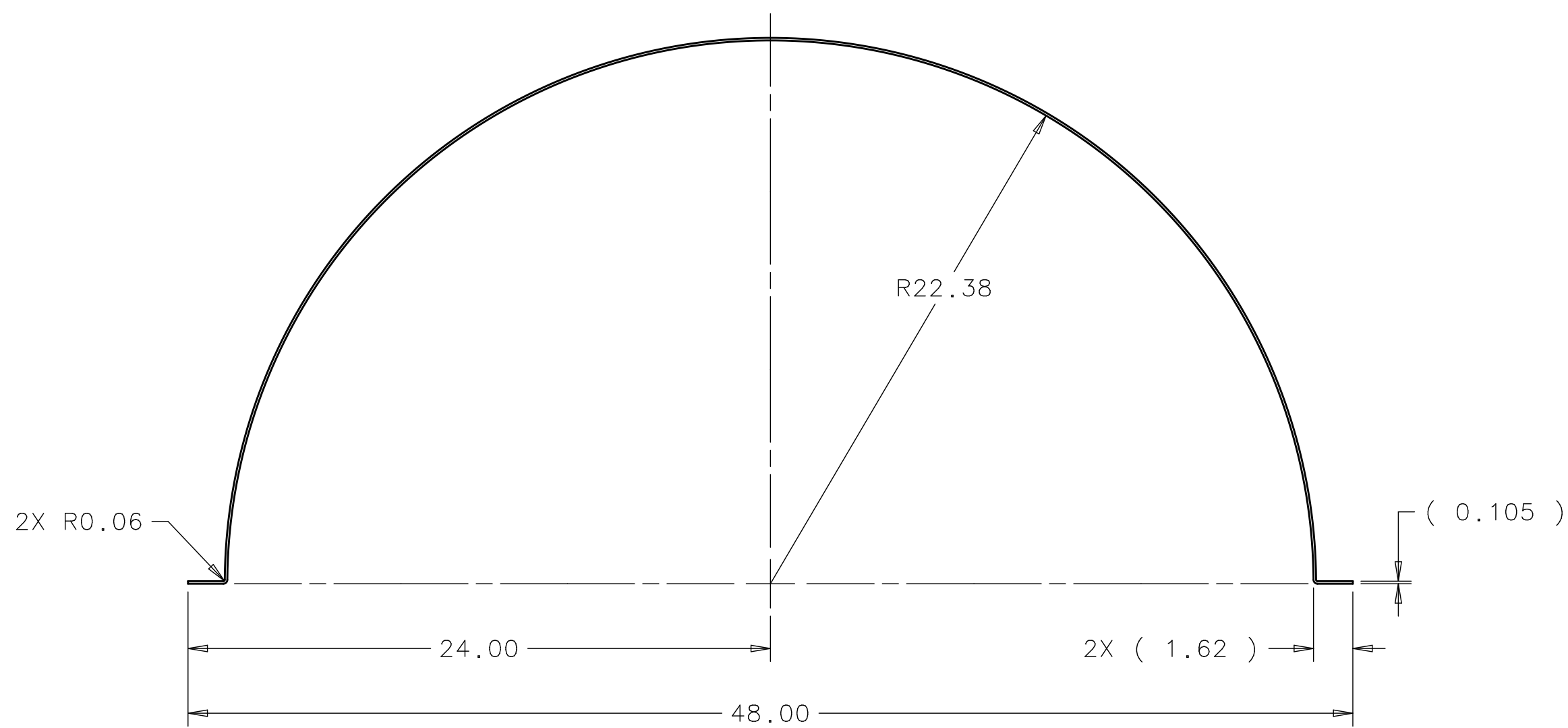
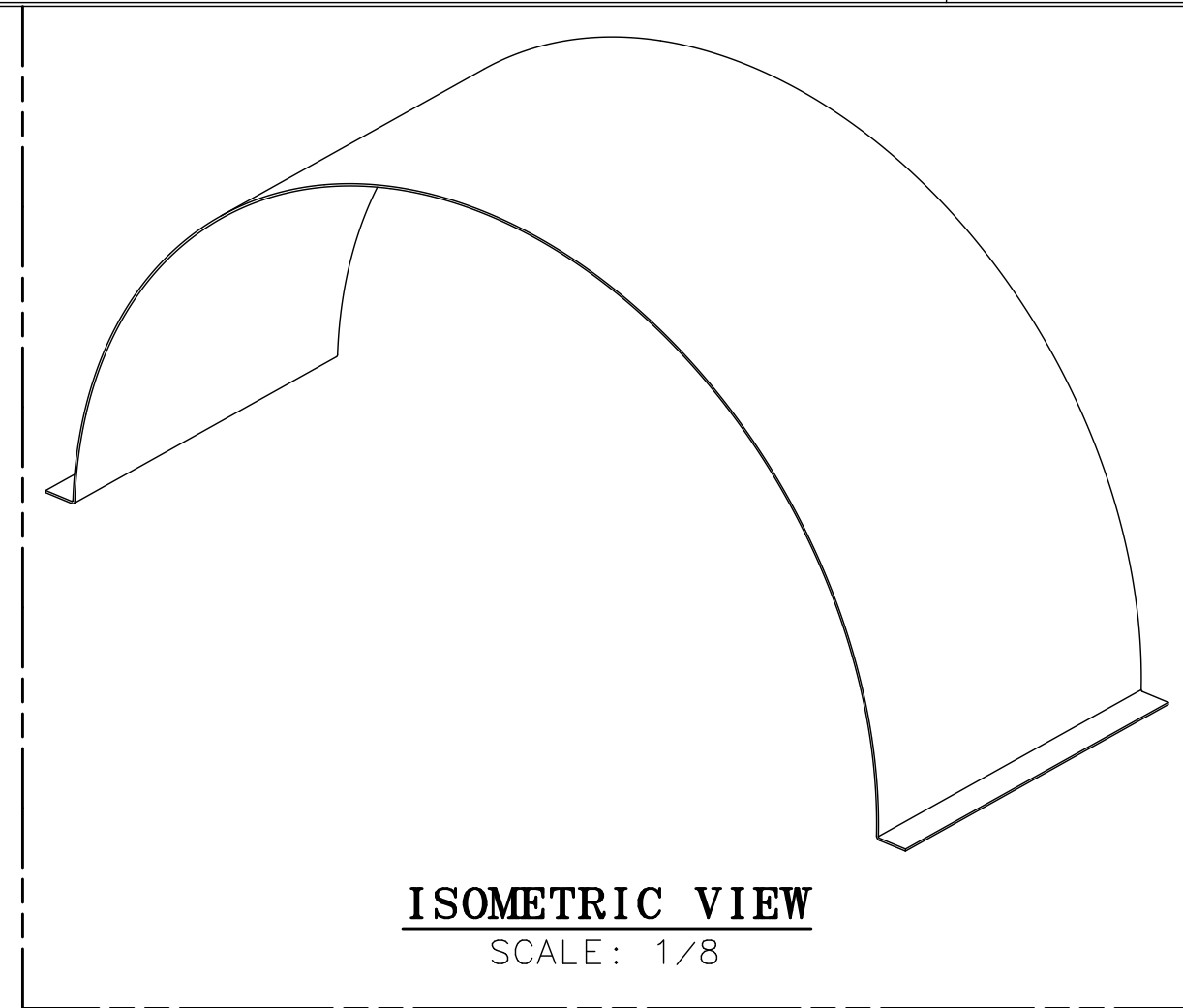
UNLESS OTHERWISE SPECIFIED			ORIGINATOR	D. MITCHELL	21-NOV-2005
X.XX	X.XXX	ANGLES	DRAWN	T. SPERRY	21-NOV-2005
± 0.02	± 0.005	$\pm 0.5^\circ$	CHECKED	W. SHARP	20-SEP-2006
1. BREAK ALL SHARP EDGES 0.02 MAX.			APPROVED		
2. DO NOT SCALE DRAWING.			USED ON		
3. DIMENSIONS BASED UPON ASME Y14.5M-1994			MD-440237		
4. MAX. ALL MACH. SURFACES			MATERIAL		
5. DRAWING UNITS: U.S. INCH			304L STAINLESS STEEL PLATE, 1" THK, ASTM A240		

FERMI NATIONAL ACCELERATOR LABORATORY
UNITED STATES DEPARTMENT OF ENERGY

3.9 GHZ, 3RD HARMONIC INTERCONNECT BELLOWS BELLOWS END FLANGE

SCALE 3/16 & AS NOTED	DRAWING NUMBER 5520.000-MD-440201	SHEET 1 OF 1	REV
CREATED WITH : Ideas11NXSeries		GROUP: PPD/MECHANICAL DEPARTMENT	

REV	DESCRIPTION	DRAWN	DATE
		APPROVED	DATE
-	NEW RELEASE - ER #8544	J. MONTELONGO	10-05-06



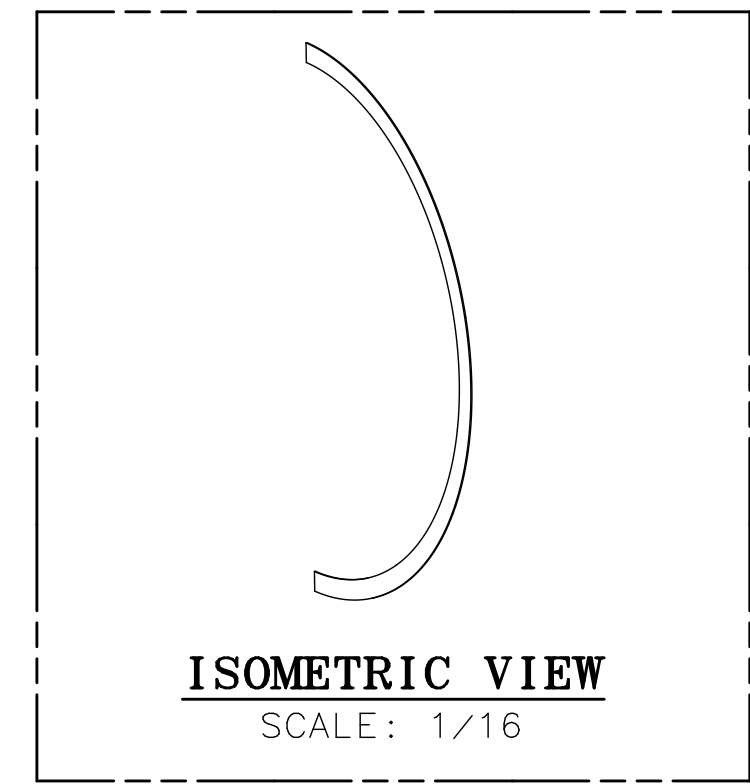
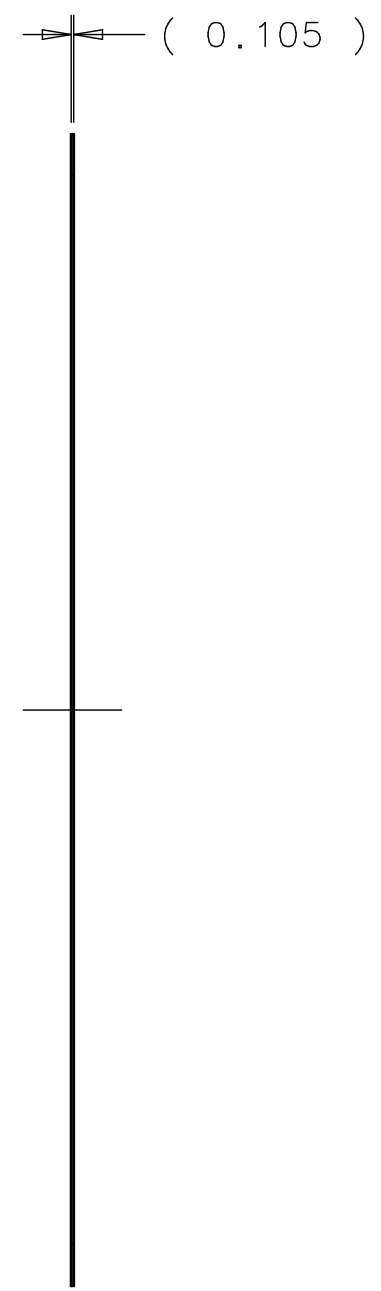
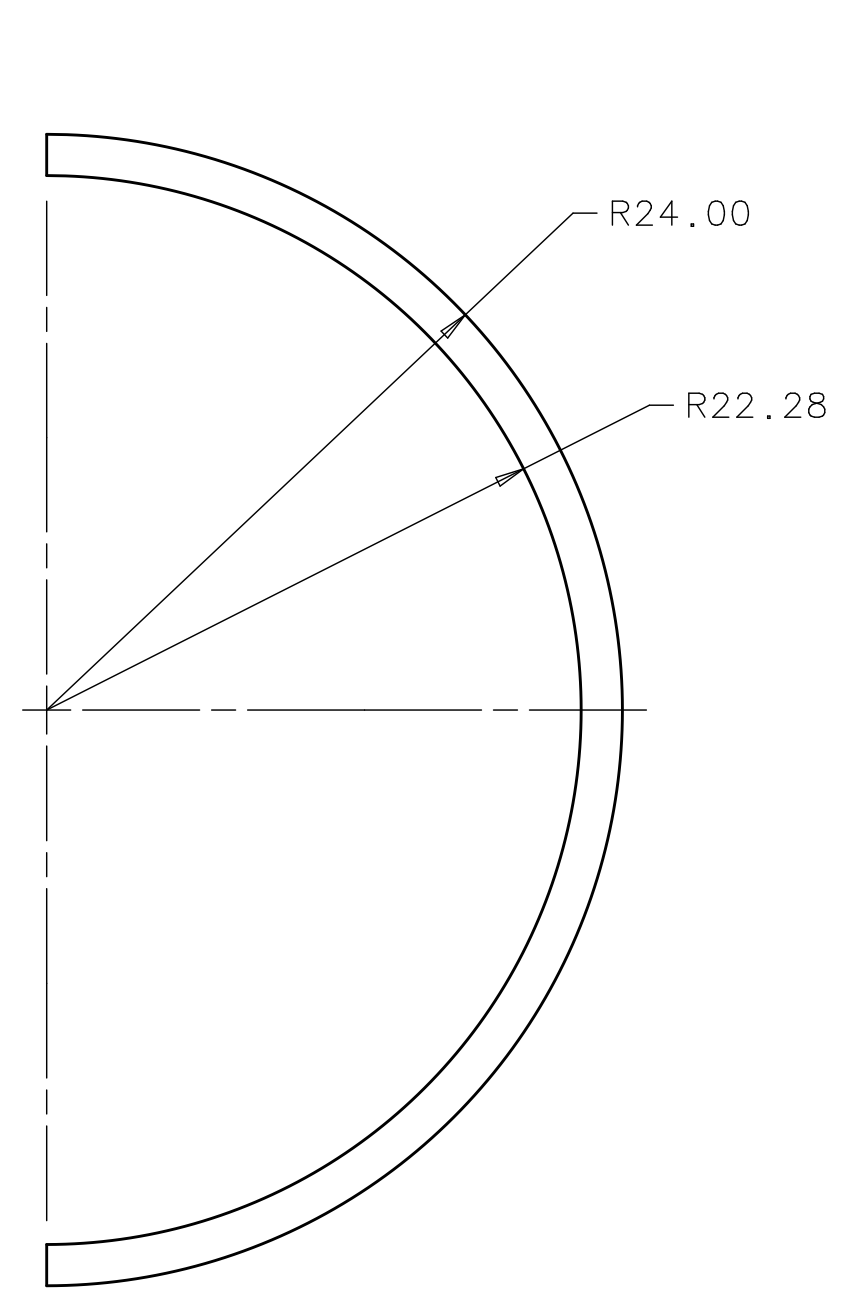
UNLESS OTHERWISE SPECIFIED			ORIGINATOR	D. MITCHELL	21-NOV-2005
X.X	X.XX	ANGLES	DRAWN	W. SHARP	26-SEP-2006
± 0.1	± 0.03	± ---	CHECKED		
1. BREAK ALL SHARP EDGES 0.02 MAX. 2. DO NOT SCALE DRAWING. 3. DIMENSIONS BASED UPON ASME Y14.5M-1994 4. MAX. ALL MACH. SURFACES 125/✓ 5. DRAWING UNITS: U.S. INCH			APPROVED		
			USED ON		
			MATERIAL	304L S.S. SHEET, 0.105 THK (12 GA.), ASTM A240	

FERMI NATIONAL ACCELERATOR LABORATORY
 UNITED STATES DEPARTMENT OF ENERGY

**SCRF - 3RD HARMONIC ACCEL
 INTERCONNECT BELLOWS
 FLANGED HALF SHELL**

SCALE 3/16 & AS NOTED	DRAWING NUMBER 5520.000-MC-440202	SHEET 1 OF 1	REV
CREATED WITH : Ideas12NXSeries		GROUP: PPD/MECHANICAL DEPARTMENT	

REV	DESCRIPTION	DRAWN	DATE
		APPROVED	DATE
-	NEW RELEASE - ER #8544	J. MONTELONGO	10-05-06



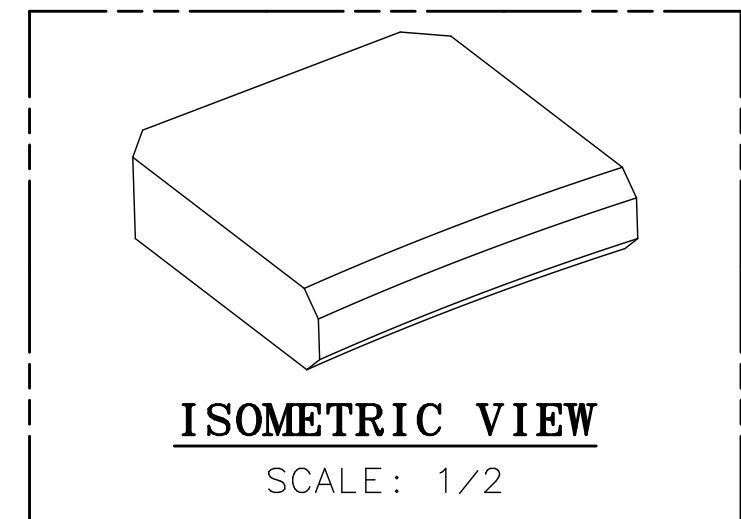
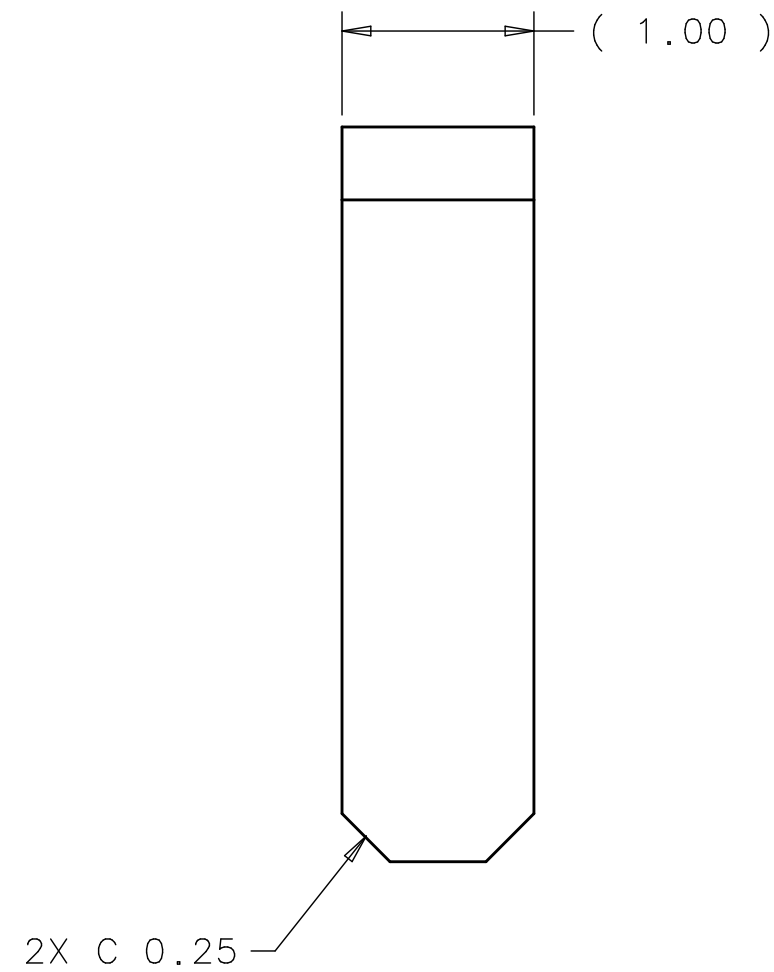
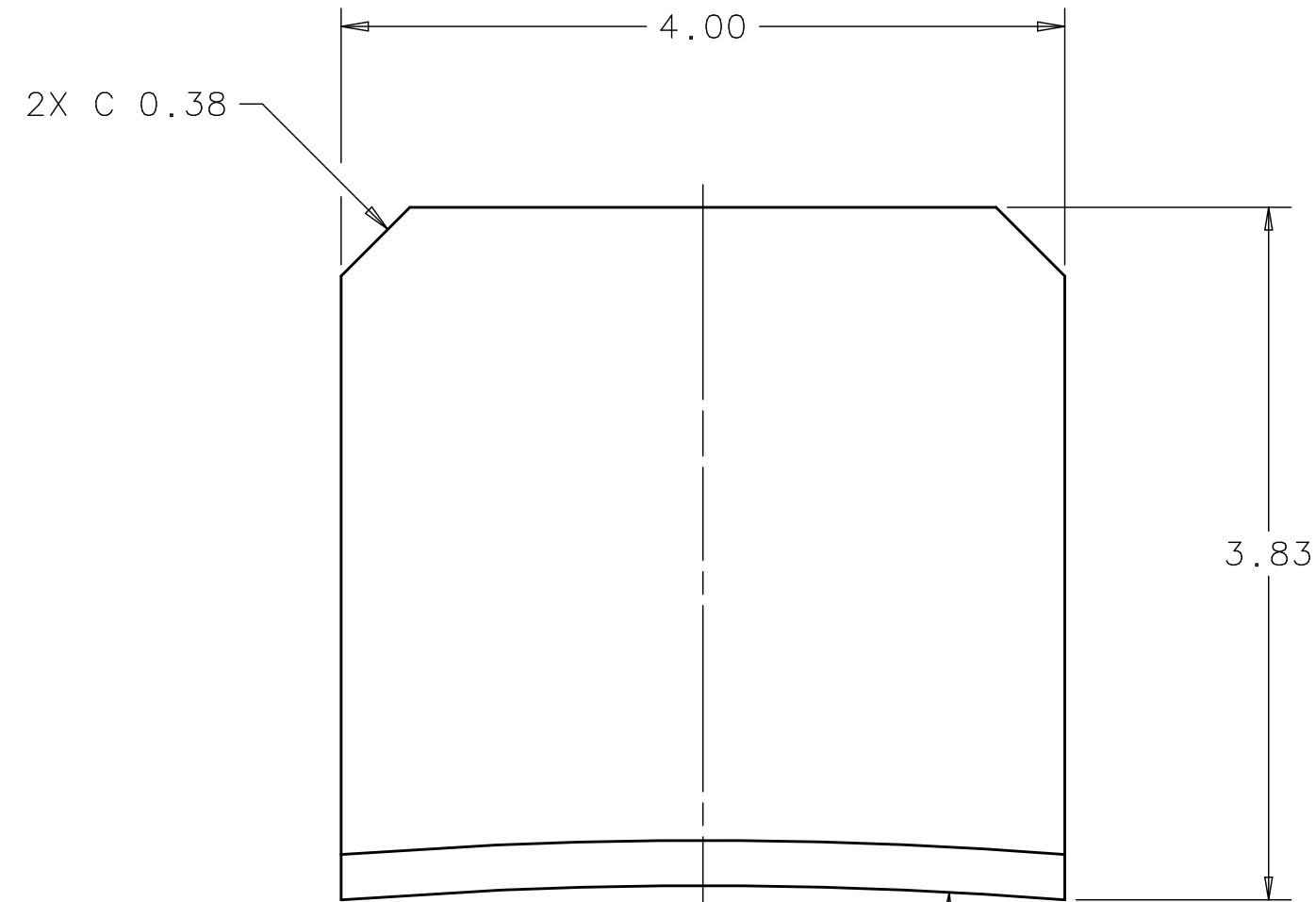
UNLESS OTHERWISE SPECIFIED			ORIGINATOR	D. MITCHELL	21-NOV-2005
X.XX	X.XXX	ANGLES	DRAWN	W. SHARP	26-SEP-2006
± 0.02	± ---	± ---	CHECKED		
1. BREAK ALL SHARP EDGES 0.02 MAX. 2. DO NOT SCALE DRAWING. 3. DIMENSIONS BASED UPON ASME Y14.5M-1994 4. MAX. ALL MACH. SURFACES 125/✓ 5. DRAWING UNITS: U.S. INCH			APPROVED		
			USED ON		
			MATERIAL	304L S.S. SHEET, 0.105 THK (12 GA.), ASTM A240	

 **FERMI NATIONAL ACCELERATOR LABORATORY**
UNITED STATES DEPARTMENT OF ENERGY

**SCRF - 3RD HARMONIC ACCEL
INTERCONNECT BELLOWS
HALF SHELL END FLANGE**

SCALE 1:8 & AS NOTED	DRAWING NUMBER 5520.000-MC-440203	SHEET 1 OF 1	REV
CREATED WITH : Ideas12NXSeries		GROUP: PPD/MECHANICAL DEPARTMENT	

REV	DESCRIPTION	DRAWN	DATE
		APPROVED	DATE
---	NEW RELEASE - ER #8544	J. MONTELONGO	10-05-06



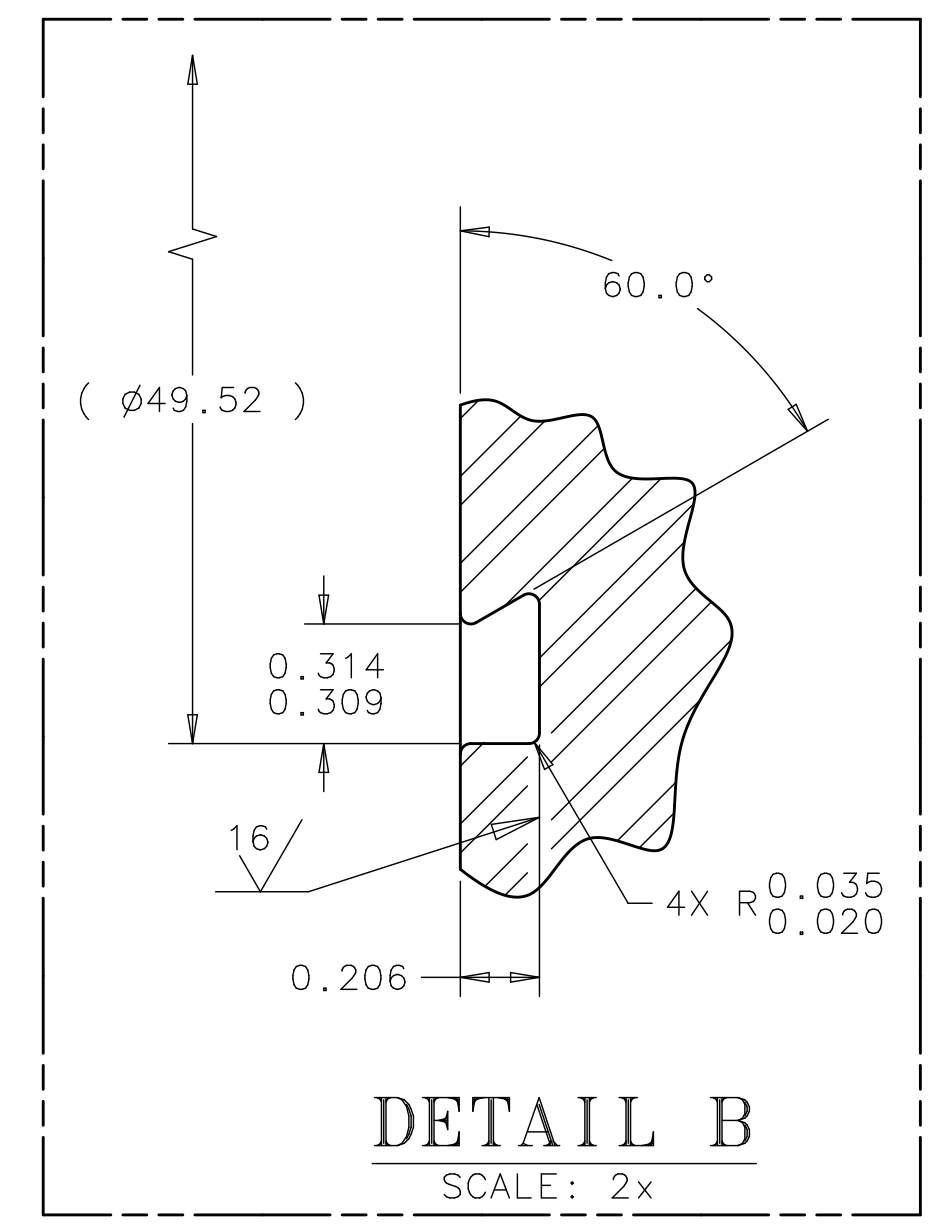
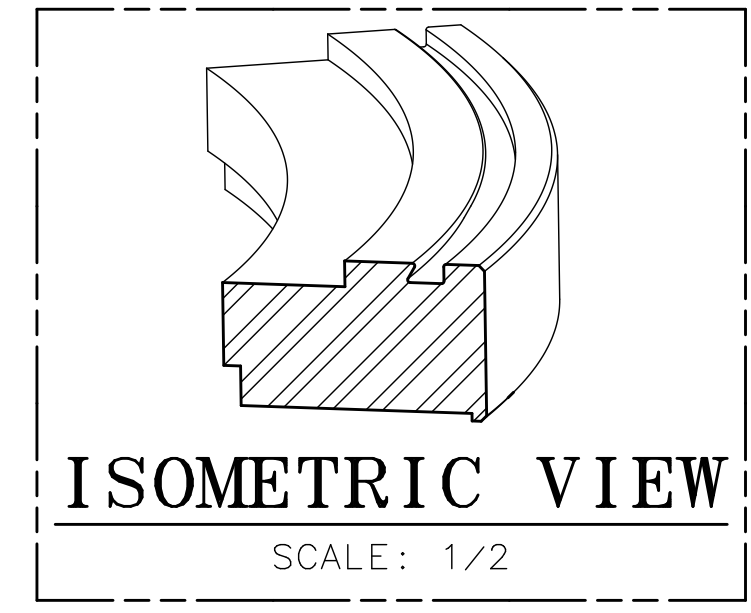
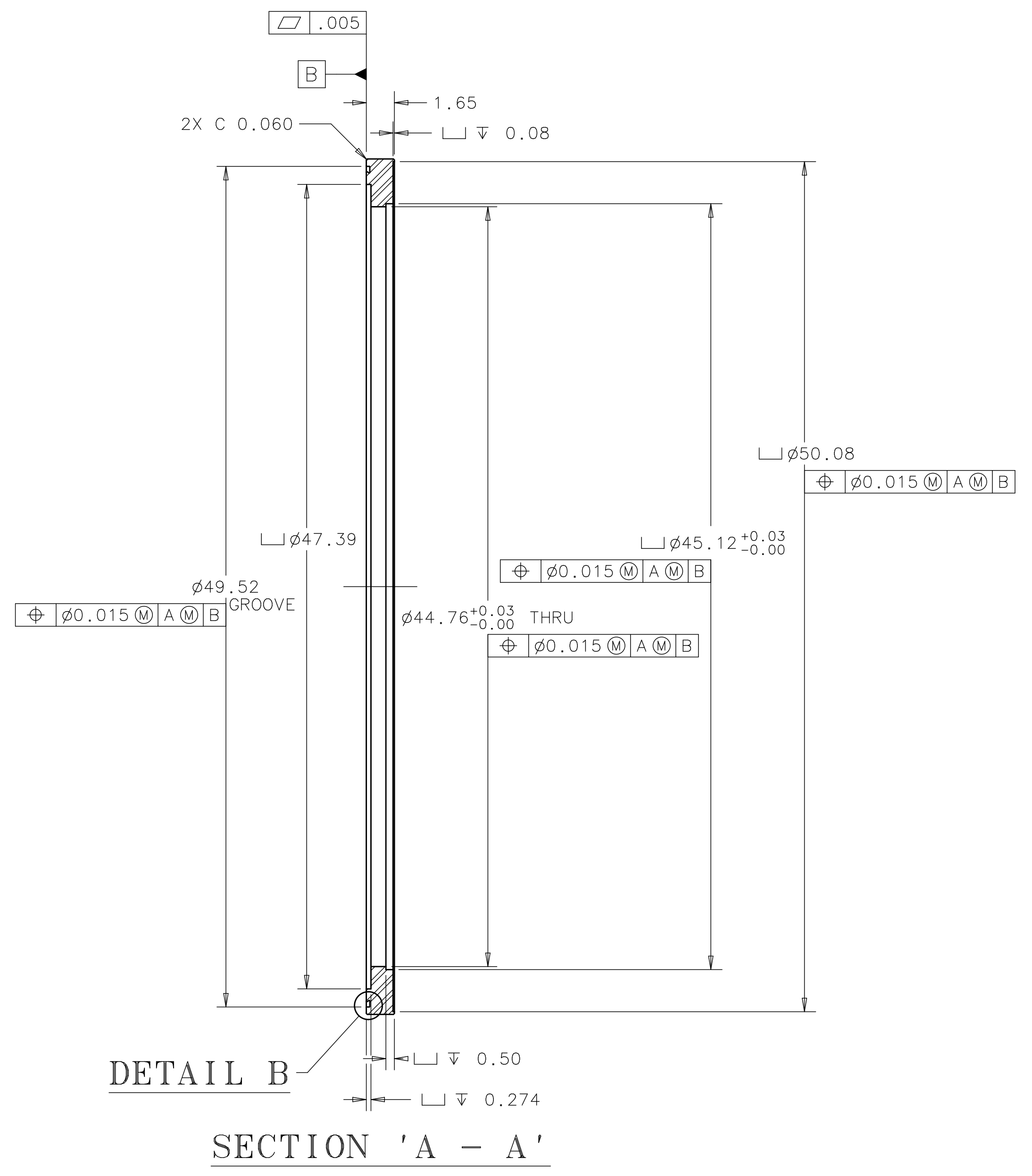
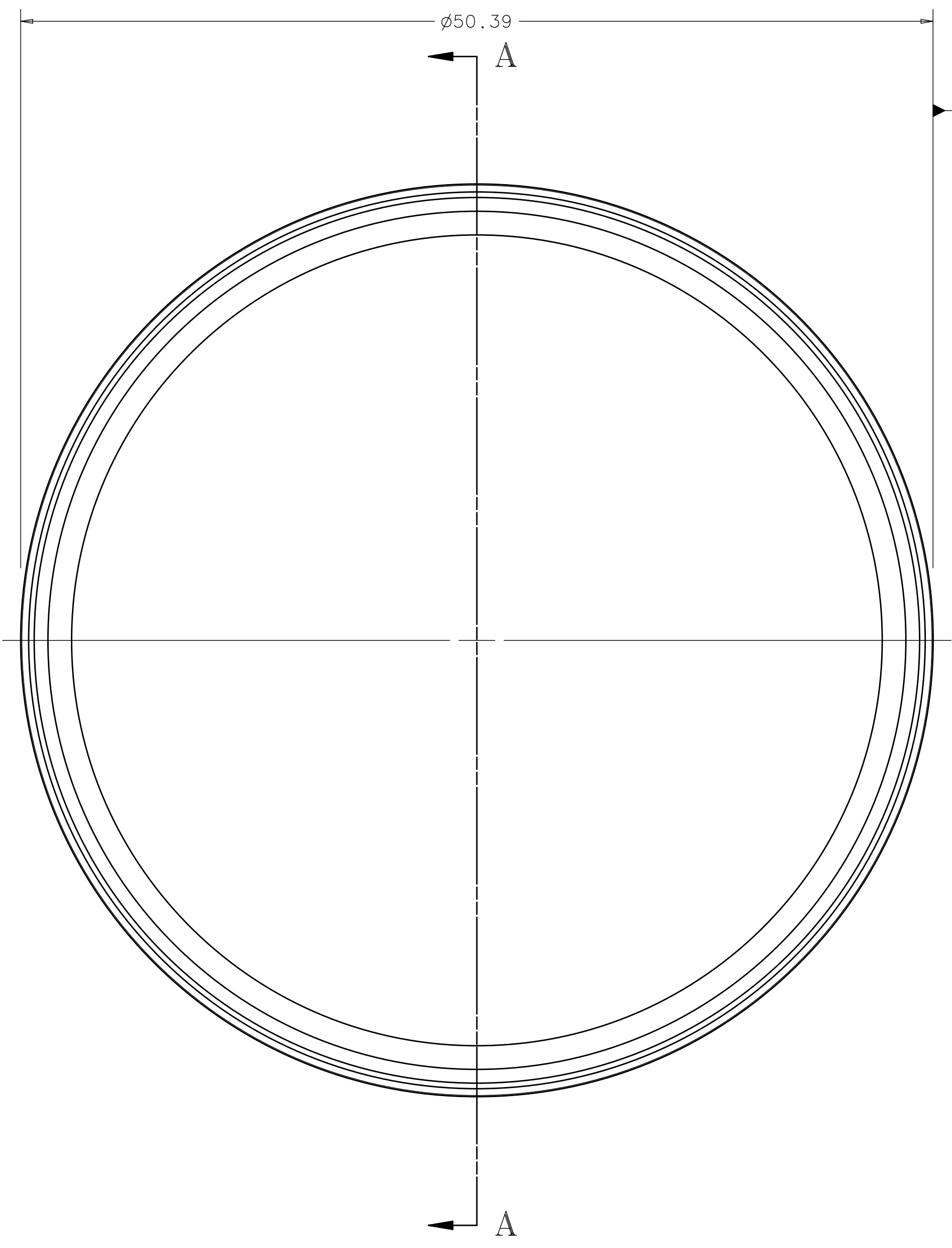
UNLESS OTHERWISE SPECIFIED			ORIGINATOR	D. MITCHELL	21-NOV-2005
X.XX	X.XXX	ANGLES	DRAWN	W. SHARP	26-SEP-2006
± 0.02	± ---	± ---	CHECKED		
1. BREAK ALL SHARP EDGES 0.02 MAX. 2. DO NOT SCALE DRAWING. 3. DIMENSIONS BASED UPON ASME Y14.5M-1994 4. MAX. ALL MACH. SURFACES 250/√ 5. DRAWING UNITS: U.S. INCH			APPROVED		
			USED ON		
			MATERIAL	304L S.S. PLATE, 1" THK , ASTM A240	


FERMI NATIONAL ACCELERATOR LABORATORY
 UNITED STATES DEPARTMENT OF ENERGY

**SCRF - 3RD HARMONIC ACCEL
 INTERCONNECT BELLOWS
 REINFORCEMENT MTG BLOCK**

SCALE 1:1 & AS NOTED	DRAWING NUMBER 5520.000-MC-440204	SHEET 1 OF 1	REV
CREATED WITH : Ideas12NXSeries		GROUP: TD/DDCIS-DESIGN-COMPUTING	

REV	DESCRIPTION	DRAWN	DATE
		APPROVED	DATE
---	NEW RELEASE - ER #XXXX		



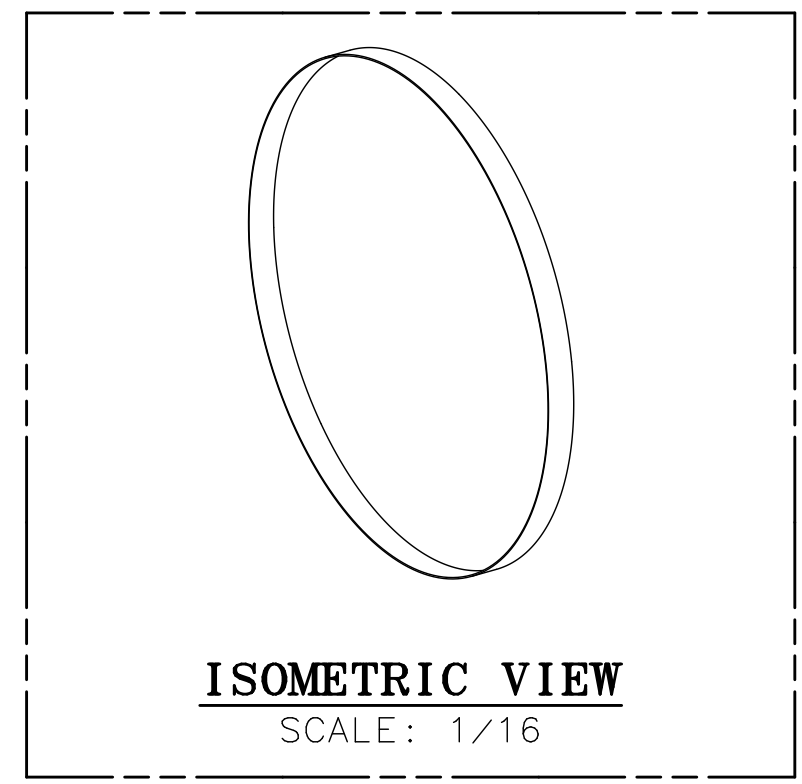
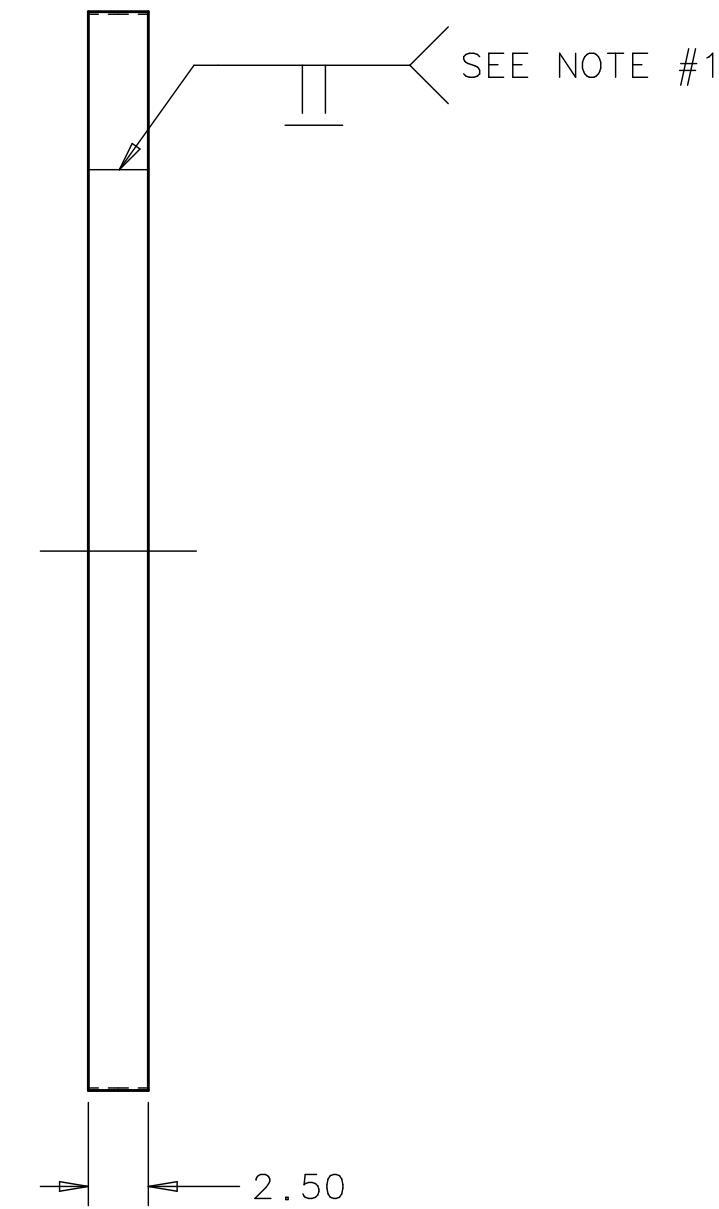
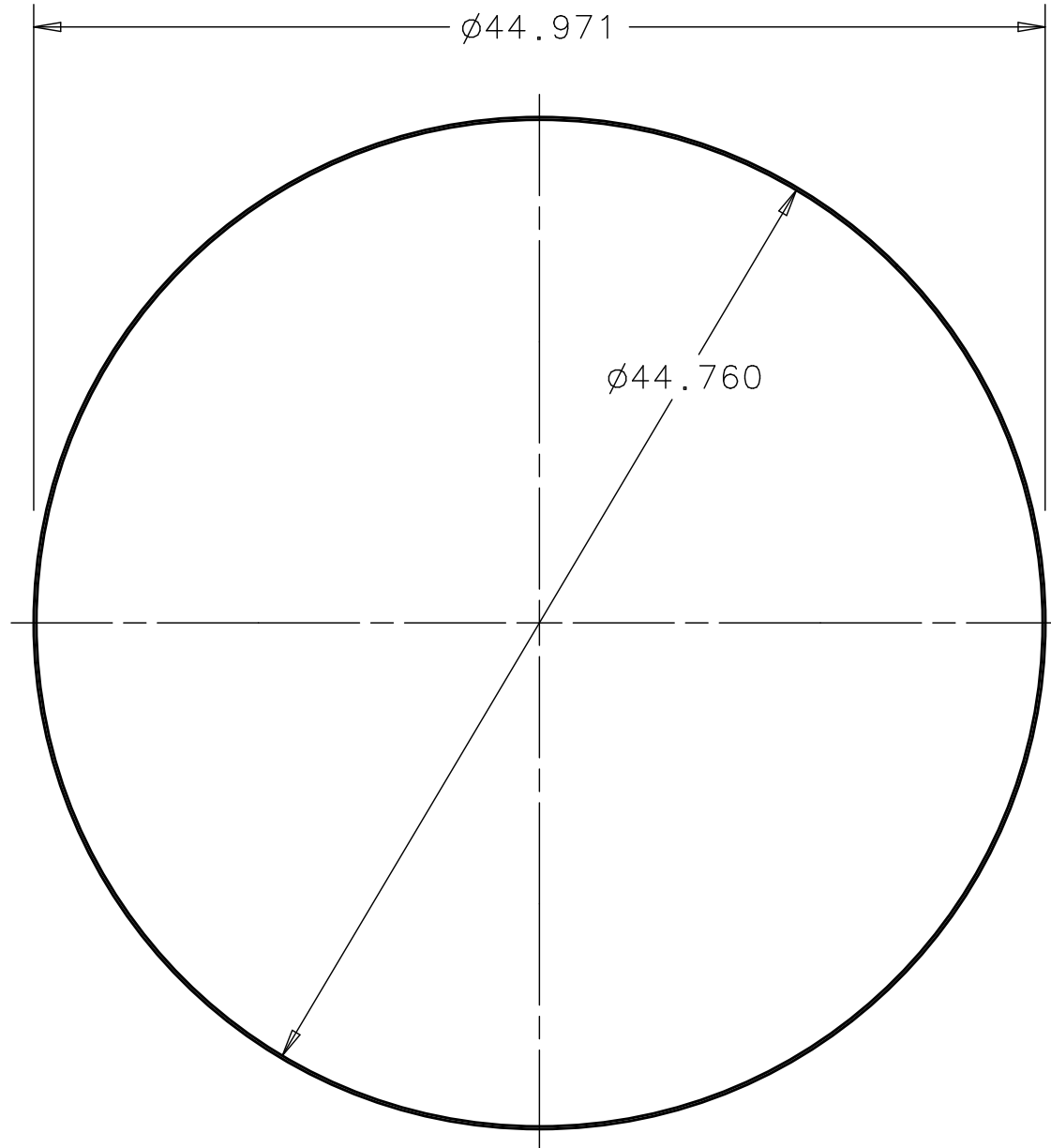
UNLESS OTHERWISE SPECIFIED	ORIGINATOR	D. MITCHELL	21-NOV-2005
X.XX	X.XXX	DRAWN	T. SPERRY
± 0.02	± 0.005	CHECKED	
ANGLES	± 0.5°	APPROVED	
1. BREAK ALL SHARP EDGES 0.02 MAX.	USED ON	MD-440250	
2. DO NOT SCALE DRAWING.	MATERIAL	STAINLESS STEEL, ASTM A182-F304L	
3. DIMENSIONS BASED UPON ASME Y14.5M-1994			
4. MAX. ALL MACH. SURFACES			
5. DRAWING UNITS: U.S. INCH			

FERMI NATIONAL ACCELERATOR LABORATORY
UNITED STATES DEPARTMENT OF ENERGY

SCRF - 3RD HARMONIC ACCEL INTERCONNECT BELLOWS FLANGE CLAMPED END


SCALE 3/16 & AS NOTED	DRAWING NUMBER 5520.000-MD-440206	SHEET 1 OF 1	REV
CREATED WITH : Ideas12NXSeries		GROUP: PPD/MECHANICAL DEPARTMENT	

REV	DESCRIPTION	DRAWN	DATE
		APPROVED	DATE
-	NEW RELEASE - ER #8544	J. MONTELONGO	10-05-06

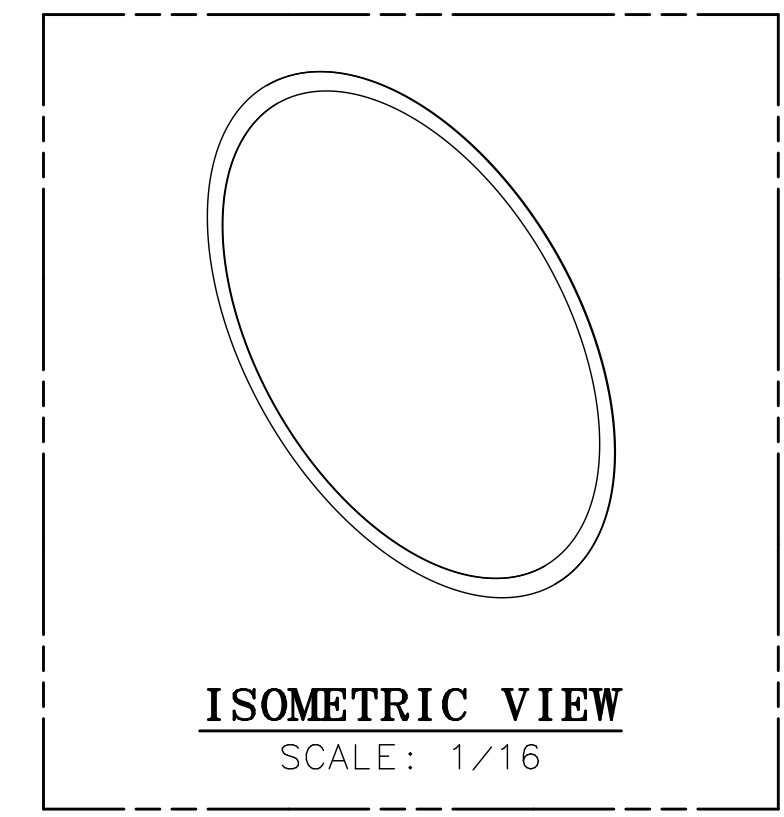
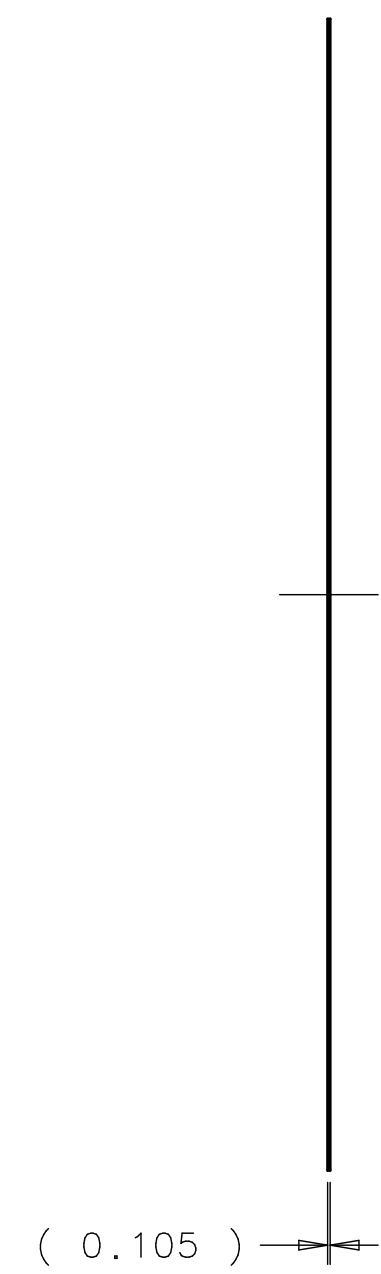
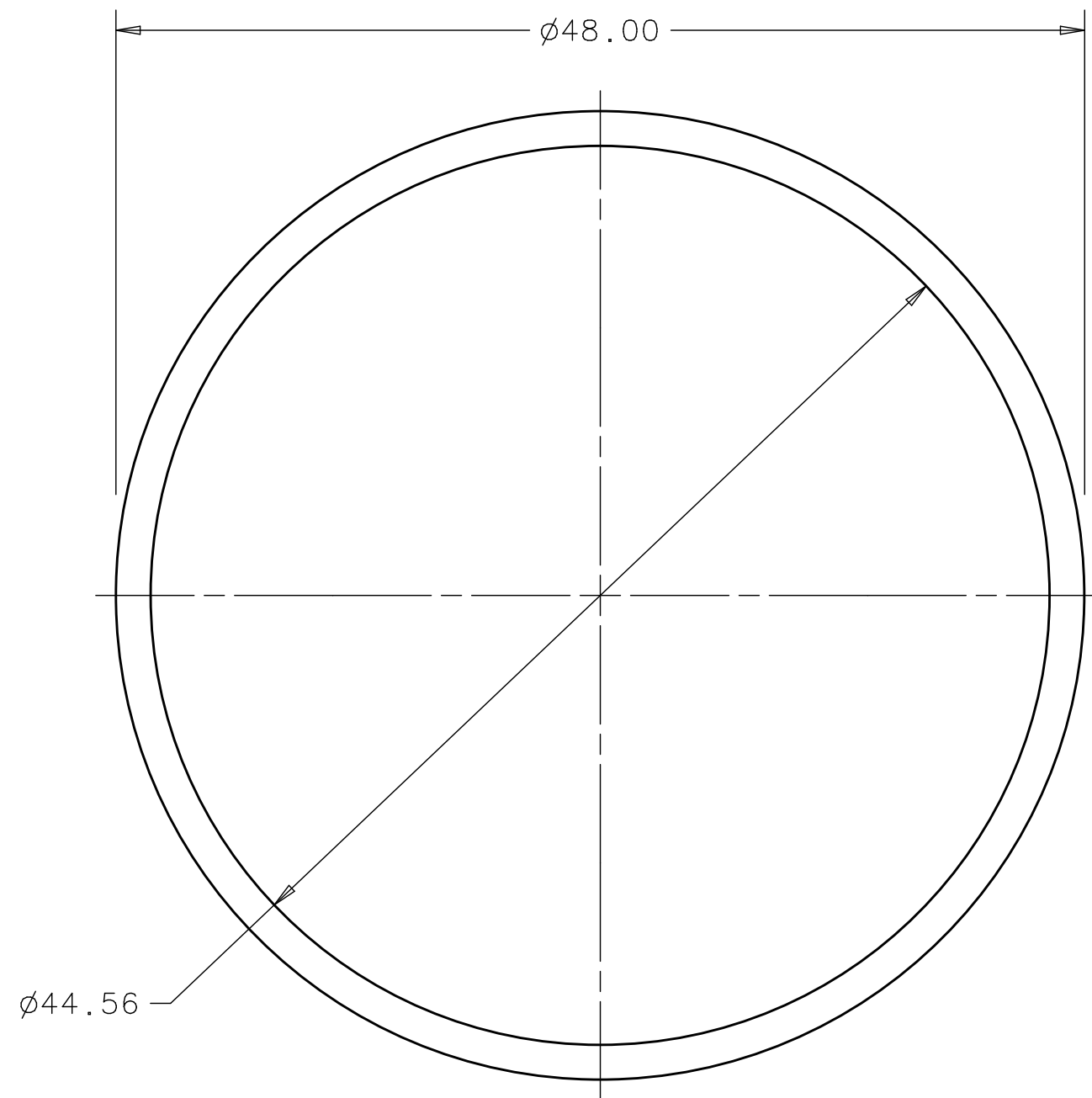



NOTES: (UNLESS OTHERWISE SPECIFIED):

1. WELD TO BE VACUUM LEAK TIGHT. LEAK TEST: NO LEAK SHALL BE DETECTABLE ON THE MOST SENSITIVE SCALE OF A HELIUM LEAK DETECTOR WITH A MINIMUM SENSITIVITY OF 10^{-9} ATM.CC/SEC.

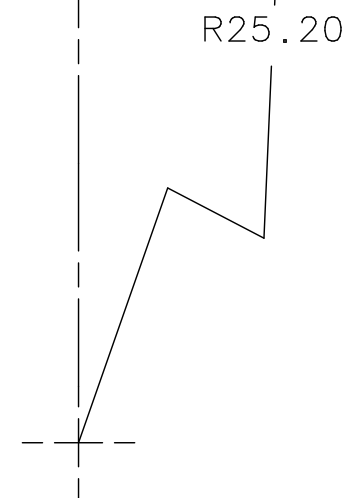
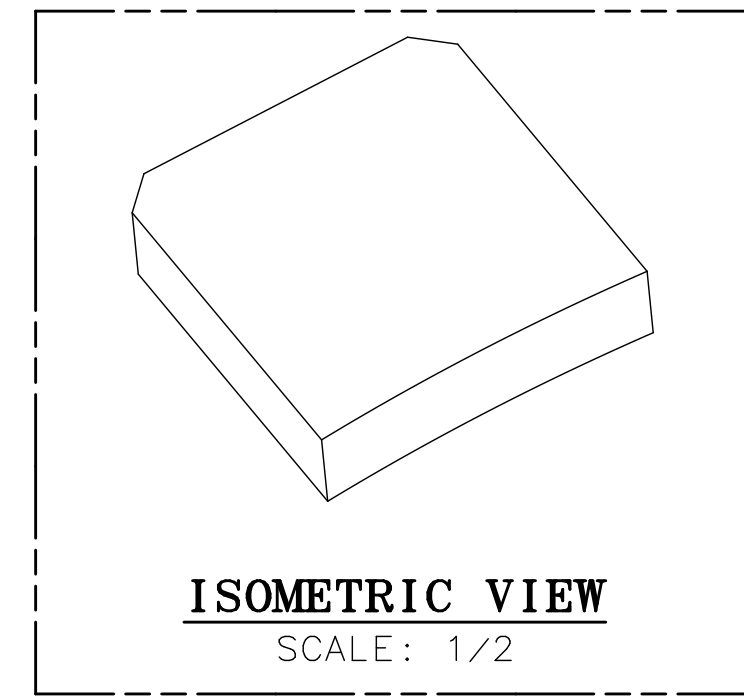
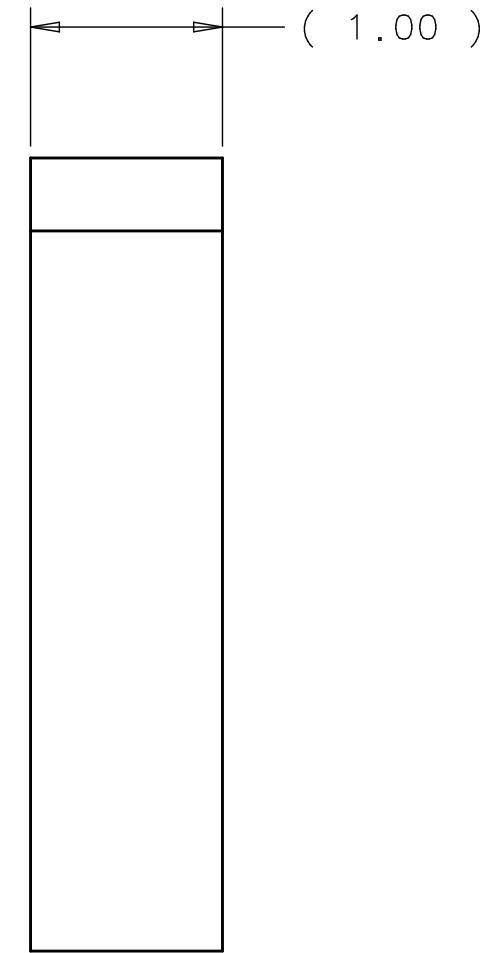
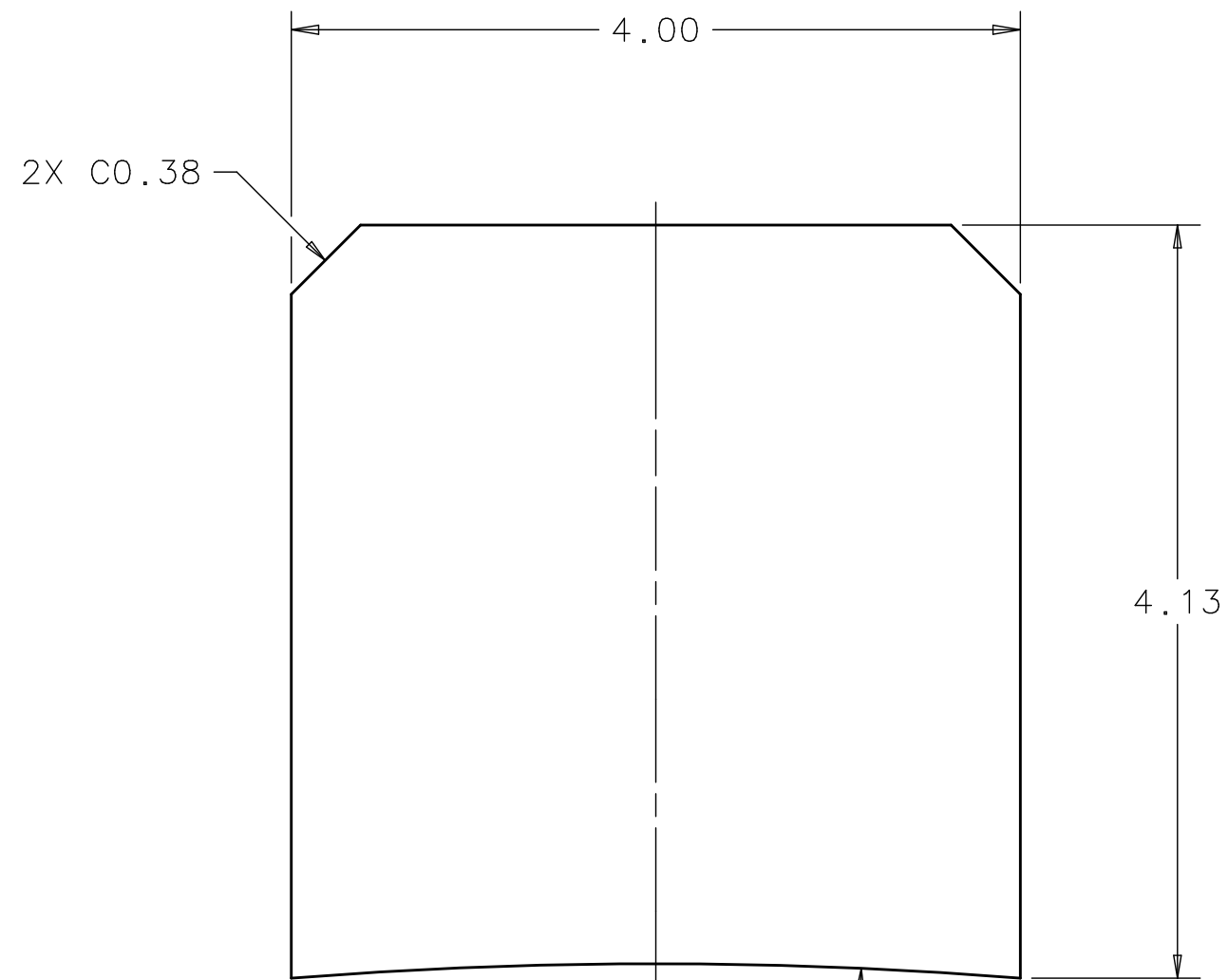
UNLESS OTHERWISE SPECIFIED			ORIGINATOR	D. MITCHELL	21-NOV-2005
X.XX	X.XXX	ANGLES	DRAWN	W. SHARP	26-SEP-2006
\pm 0.06	\pm 0.02	\pm ---	CHECKED		
1. BREAK ALL SHARP EDGES 0.02 MAX. 2. DO NOT SCALE DRAWING. 3. DIMENSIONS BASED UPON ASME Y14.5M-1994 4. MAX. ALL MACH. SURFACES 250/ 5. DRAWING UNITS: U.S. INCH			APPROVED		
			USED ON		
			MATERIAL	STAINLESS STEEL SHT, 304L, 12 GA. (0.105), ASTM A240	
 FERMI NATIONAL ACCELERATOR LABORATORY UNITED STATES DEPARTMENT OF ENERGY			SCRF - 3RD HARMONIC ACCEL INTERCONNECT BELLOWS CLAMPED FLANGE FULL SHELL		
			SCALE 1:8 & AS NOTED	DRAWING NUMBER 5520.000-MC-440207	
CREATED WITH : Ideas12NXSeries			GROUP: TD/DDCIS-DESIGN-COMPUTING		

REV	DESCRIPTION	DRAWN	DATE
		APPROVED	DATE
-	NEW RELEASE - ER #8544	J. MONTELONGO	10-06-06



UNLESS OTHERWISE SPECIFIED			ORIGINATOR	D. MITCHELL	21-NOV-2005
.XX	.XXX	ANGLES	DRAWN	W. SHARP	26-SEP-2006
± .03	± ---	± ---	CHECKED		
1. BREAK ALL SHARP EDGES 0.02 MAX. 2. DO NOT SCALE DRAWING. 3. DIMENSIONS BASED UPON ASME Y14.5M-1994 4. MAX. ALL MACH. SURFACES 250/√ 5. DRAWING UNITS: U.S. INCH			APPROVED		
			USED ON		
			MATERIAL	STAINLESS STEEL SHT, 304L, 12 GA. (.105), ASTM A240	
 FERMI NATIONAL ACCELERATOR LABORATORY UNITED STATES DEPARTMENT OF ENERGY					
SCRF - 3RD HARMONIC ACCEL INTERCONNECT BELLOWS FULL SHELL WELDING RING					
SCALE 1:8 & AS NOTED	DRAWING NUMBER 5520.000-MC-440208			SHEET 1 OF 1	REV
CREATED WITH : Ideas12NXSeries		GROUP: TD/DDCIS-DESIGN-COMPUTING			

REV	DESCRIPTION	DRAWN	DATE
		APPROVED	DATE
-	NEW RELEASE - ER #8544	J. MONTELONGO	10-06-06



UNLESS OTHERWISE SPECIFIED			ORIGINATOR	D. MITCHELL	21-NOV-2005
X.XX	X.XXX	ANGLES	DRAWN	W. SHARP	26-SEP-2006
± 0.02	± ---	± 5°	CHECKED		
1. BREAK ALL SHARP EDGES 0.02 MAX. 2. DO NOT SCALE DRAWING. 3. DIMENSIONS BASED UPON ASME Y14.5M-1994 4. MAX. ALL MACH. SURFACES 250/√ 5. DRAWING UNITS: U.S. INCH			APPROVED		
			USED ON		
			MATERIAL	304L S.S. PLATE, 1" THK, ASTM A240	

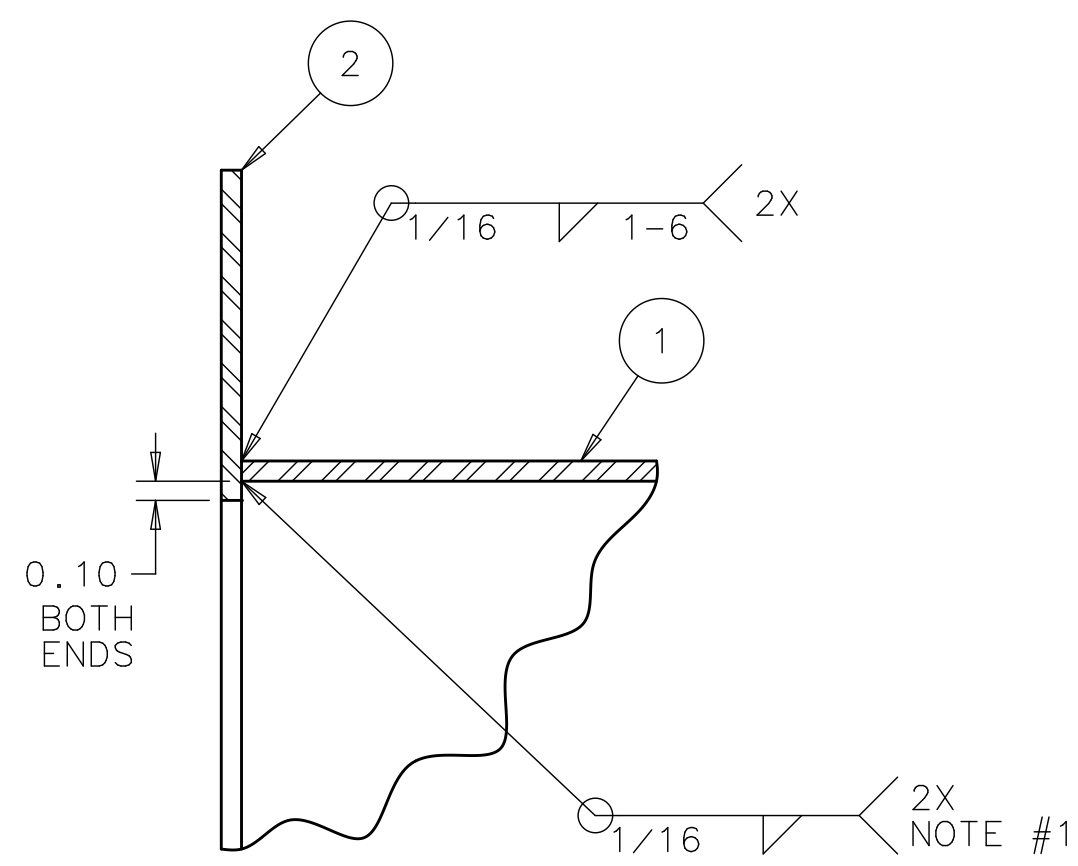
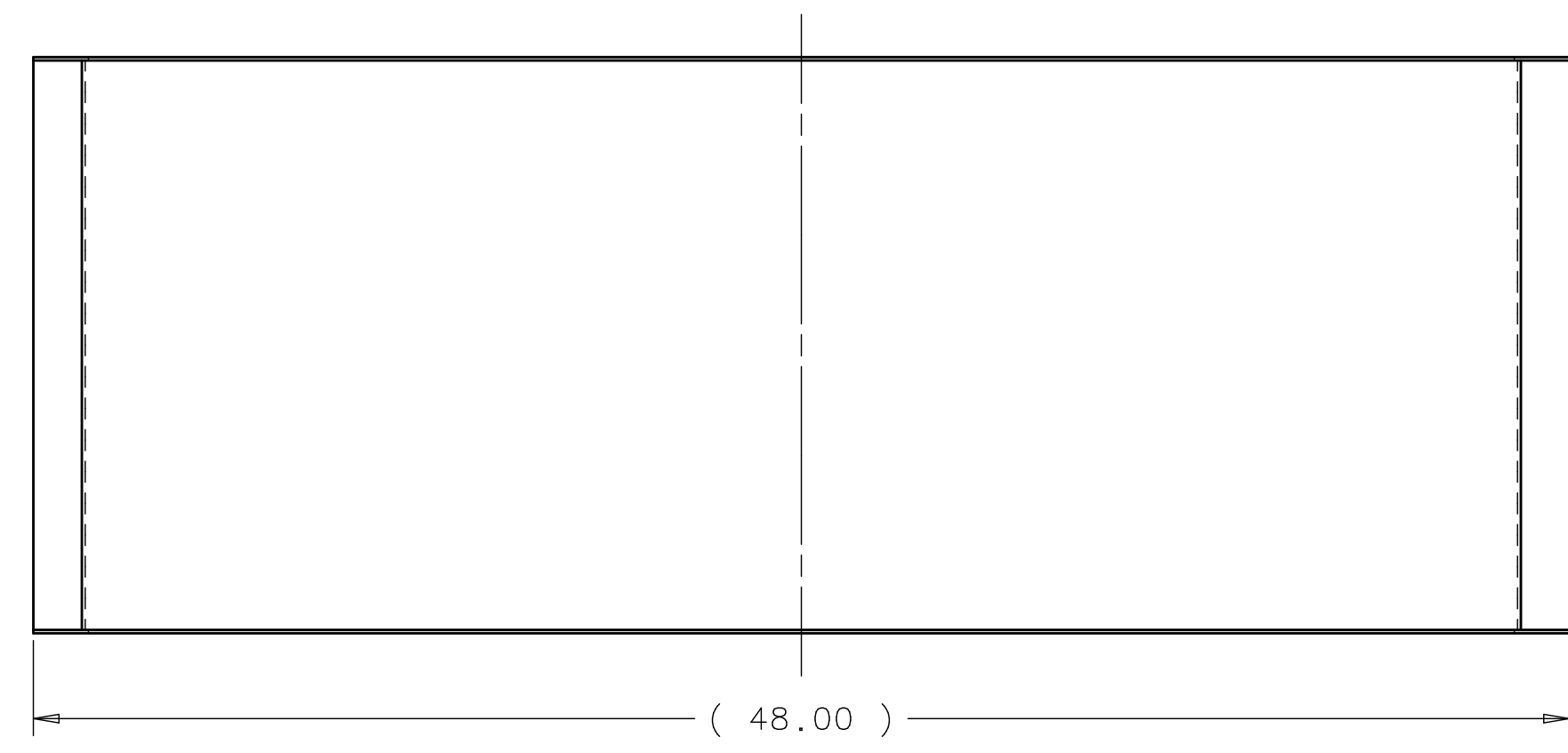


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UNITED STATES DEPARTMENT OF ENERGY

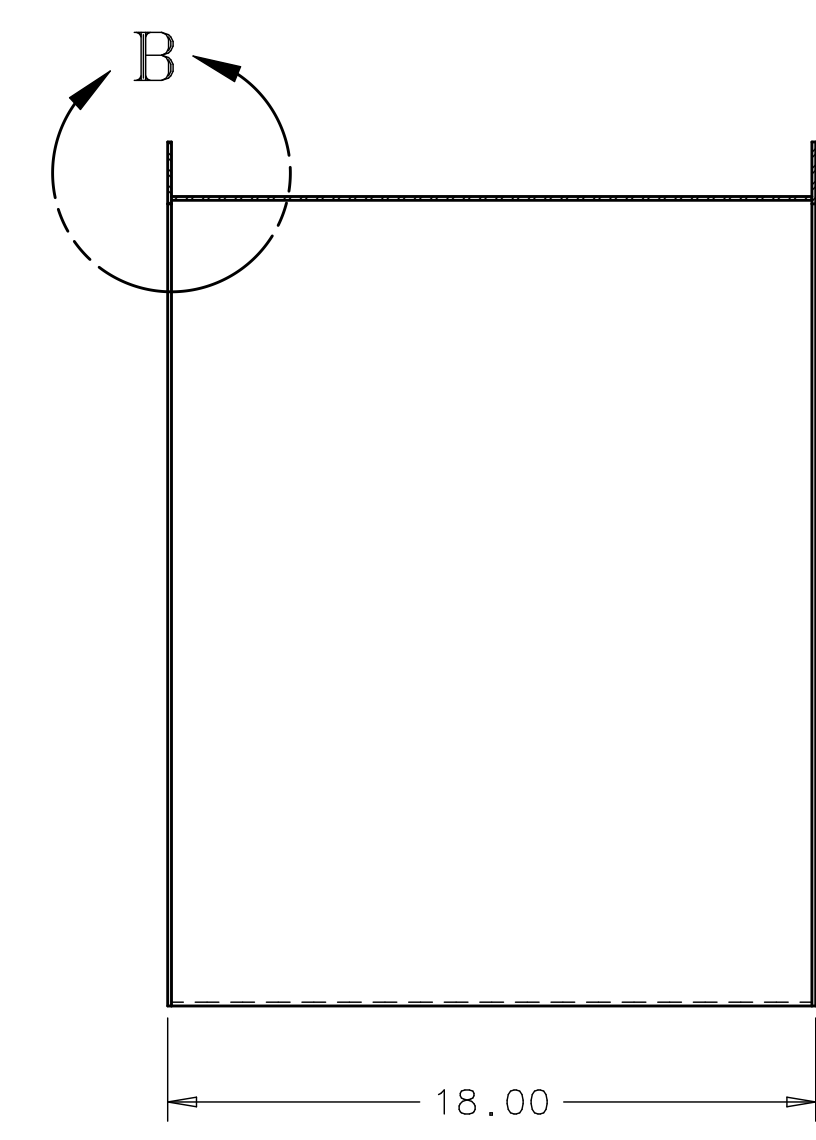
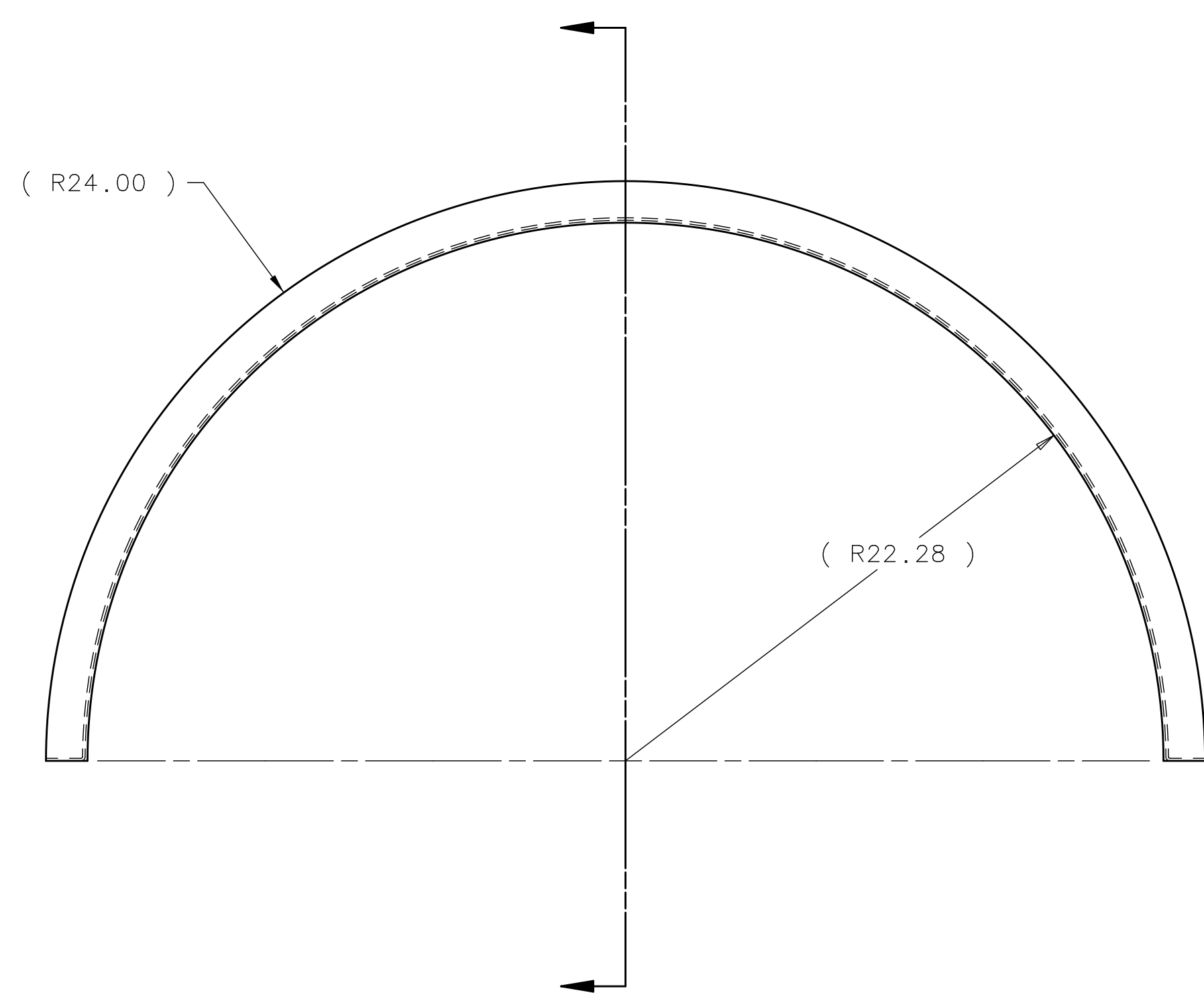
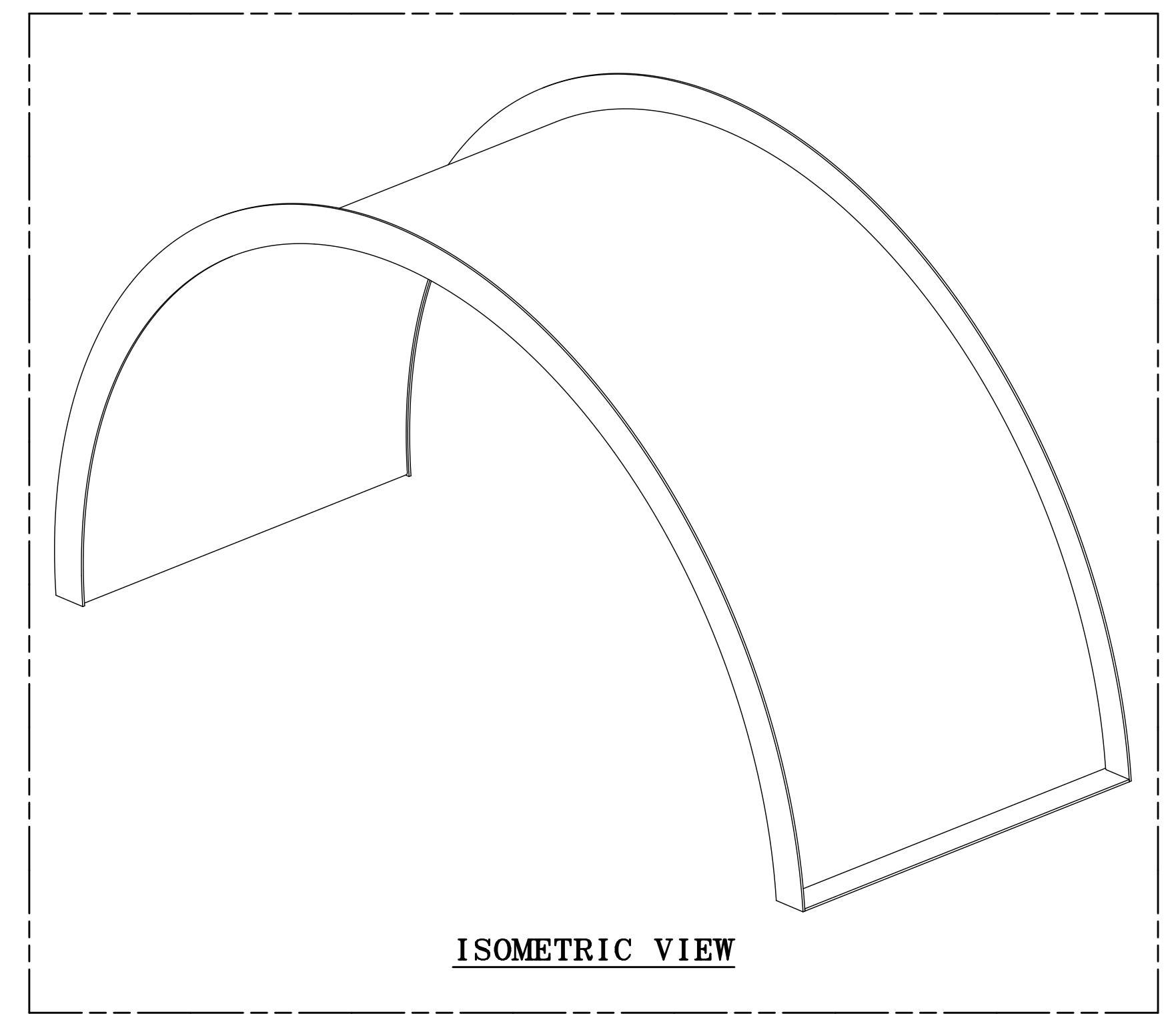
SCRF - 3RD HARMONIC ACCEL
INTERCONNECT BELLOWS
ROD MOUNTING BLOCK

SCALE 1:1 & AS NOTED	DRAWING NUMBER 5520.000-MC-440209	SHEET 1 OF 1	REV
CREATED WITH : Ideas12NXSeries		GROUP: TD/DDCIS-DESIGN-COMPUTING	

REV	DESCRIPTION	DRAWN	DATE
		APPROVED	DATE
---	NEW RELEASE - ER #8544	J. MONTELONGO	10-05-06



DETAIL B
SCALE: FULL



- NOTES: (UNLESS OTHERWISE SPECIFIED):
1. ALL WELDS TO BE VACUUM LEAK TIGHT. LEAK TEST: NO LEAK SHALL BE DETECTABLE ON THE MOST SENSITIVE SCALE OF A HELIUM LEAK DETECTOR WITH A MINIMUM SENSITIVITY OF 10^{-9} ATM.CC/SEC.
 2. ASSEMBLY MUST BE FREE OF DIRT, GREASE, DENTS, OIL AND CHIPS.

ITEM	PART NO.	DESCRIPTION OR SIZE	QTY.
2	MC-440203	HALF SHELL END FLANGE	2
1	MC-440202	FLANGED HALF SHELL	1

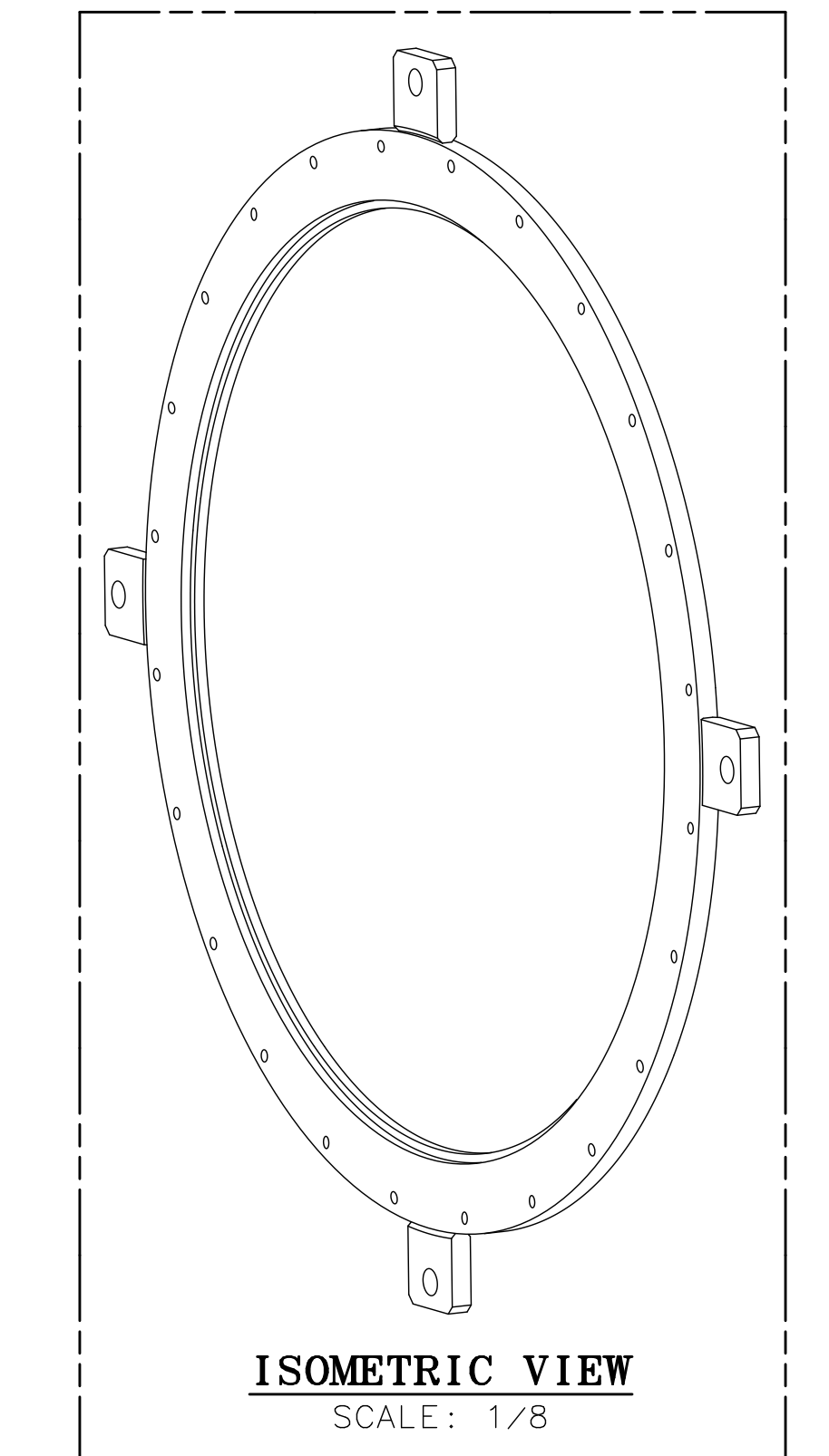
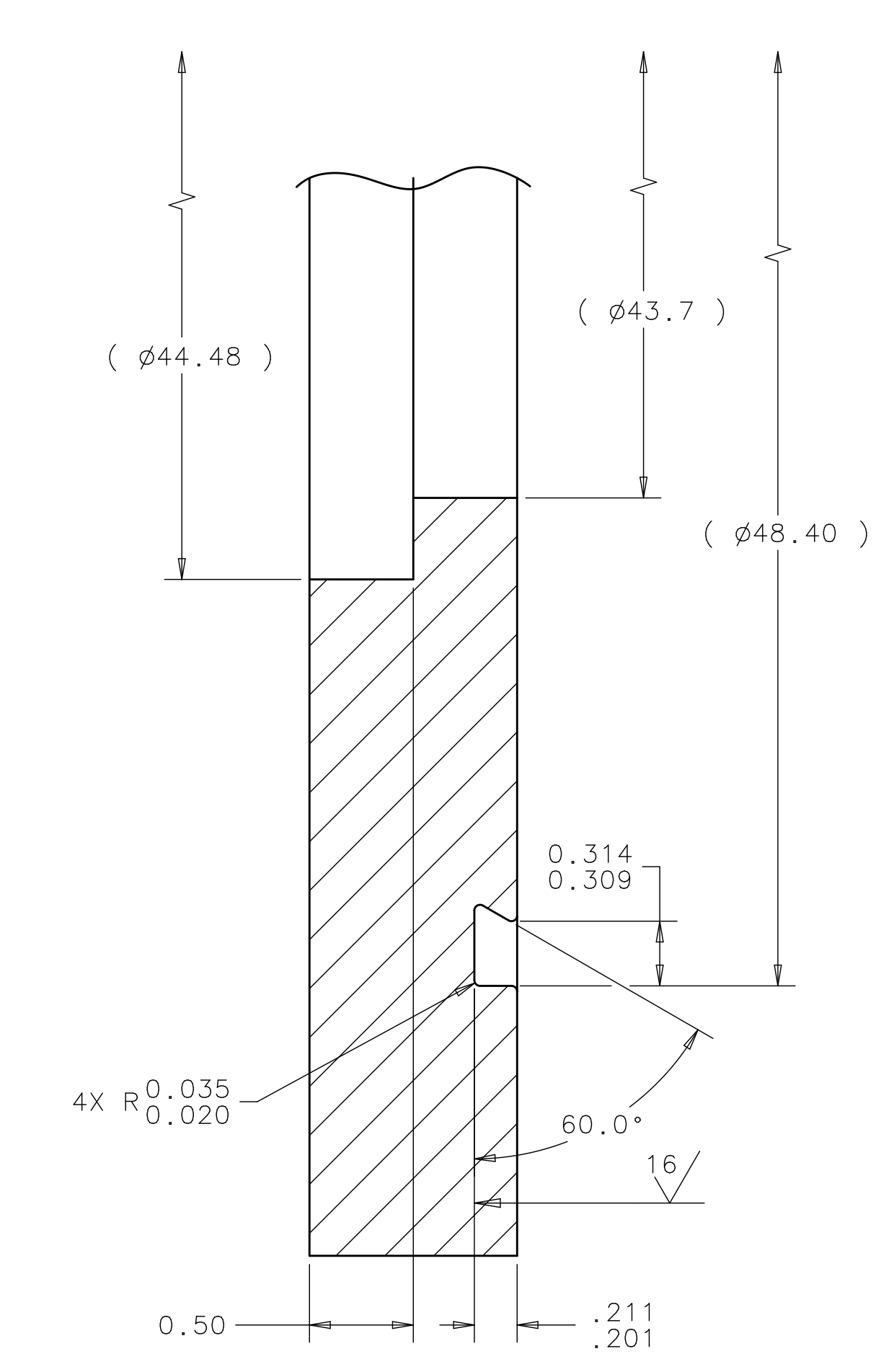
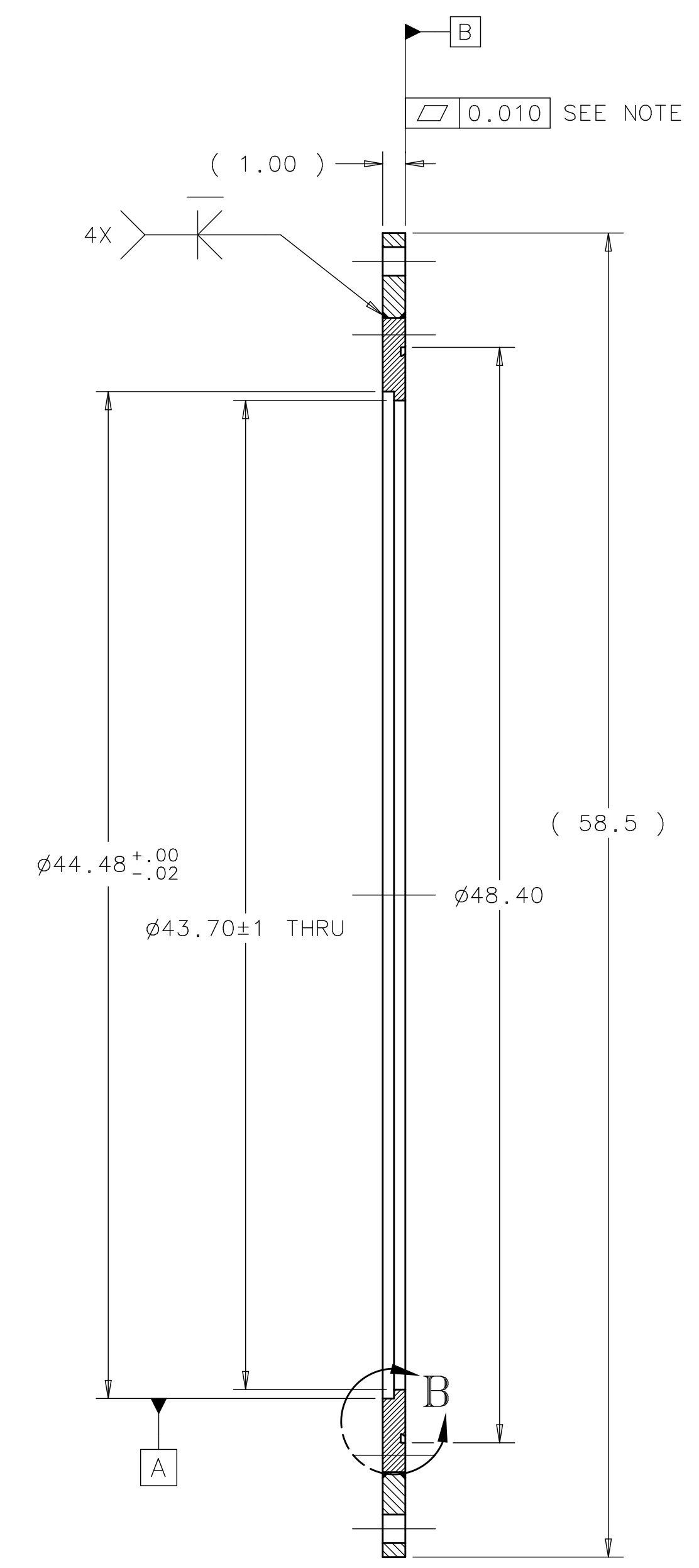
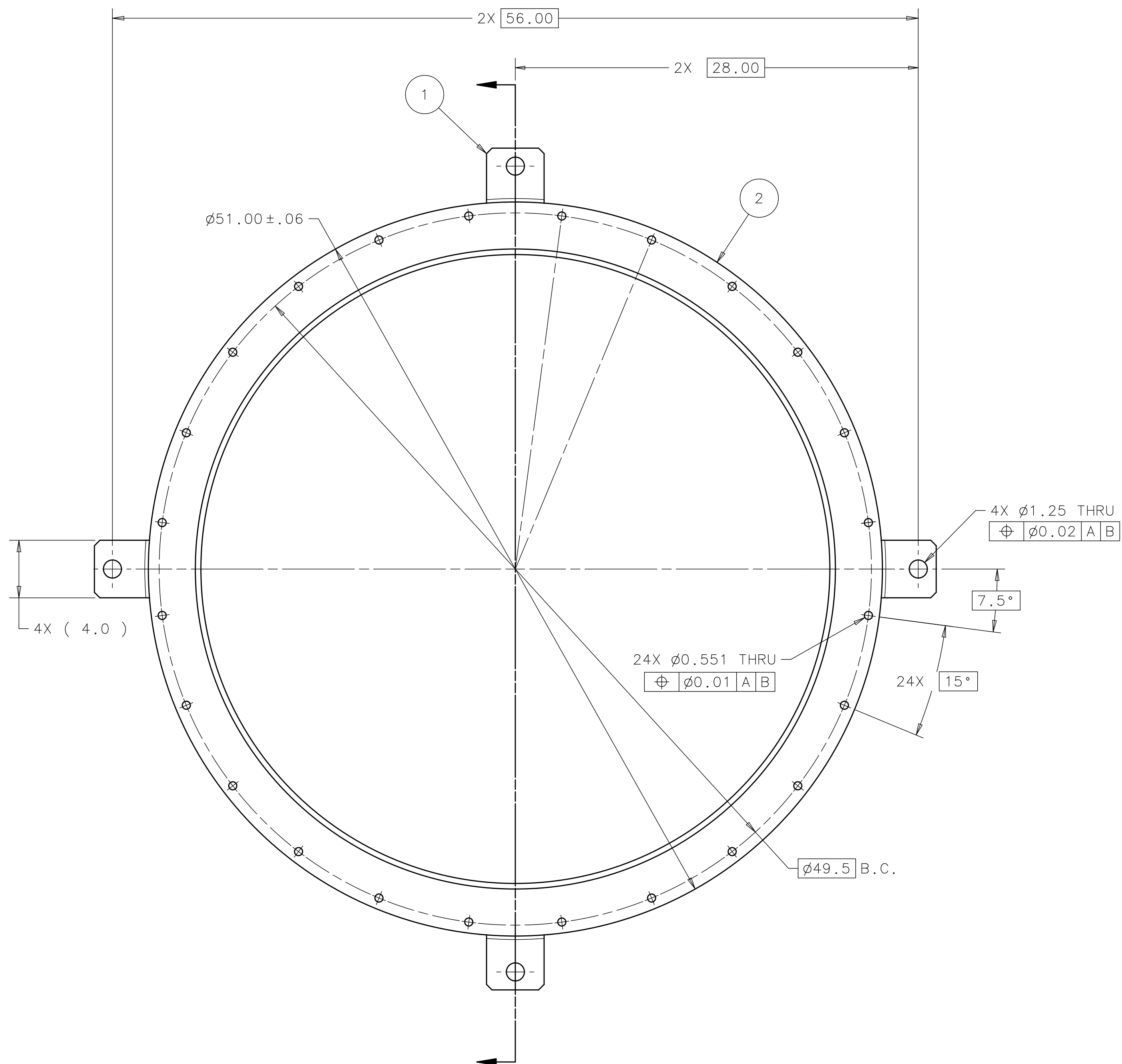
PARTS LIST				
UNLESS OTHERWISE SPECIFIED	ORIGINATOR	D. MITCHELL	21-NOV-2005	
X.X X.XX ANGLES	DRAWN	W. SHARP	26-SEP-2006	
± 0.1 ± 0.03 ± ---	CHECKED			
1. BREAK ALL SHARP EDGES 0.02 MAX.	APPROVED			
2. DO NOT SCALE DRAWING.	USED ON	MD-442063		
3. DIMENSIONS BASED UPON ASME Y14.5M-1994	MATERIAL	SEE PARTS LIST		
4. MAX. ALL MACH. SURFACES 125				
5. DRAWING UNITS: U.S. INCH				

FERMI NATIONAL ACCELERATOR LABORATORY
UNITED STATES DEPARTMENT OF ENERGY

SCRF - 3RD HARMONIC ACCEL INTERCONNECT BELLOWS HALF SHELL WELDMENT

SCALE 1/8 & AS NOTED	DRAWING NUMBER 5520.000-MD-440222	SHEET 1 OF 1	REV
CREATED WITH : Ideas12NXSeries		GROUP: PPD/MECHANICAL DEPARTMENT	

REV	DESCRIPTION	DRAWN	DATE
		APPROVED	DATE
-	NEW RELEASE - ER #8544	J. MONTELONGO	10-05-06



DETAIL B
SCALE: 1.5X

NOTES: (UNLESS OTHERWISE SPECIFIED):
 1. ALL HOLES, O-RING GROOVE AND FLATNESS TO BE MACHINED AFTER ALL WELDING HAS BEEN COMPLETED.

ITEM	PART NO.	DESCRIPTION OR SIZE	QTY.
2	COM*L.	304L STAINLESS STEEL PLATE, 1" THICK ASTM A240	1
1	MC-440204	REINFORCEMENT MTG BLOCK	4

PARTS LIST			
UNLESS OTHERWISE SPECIFIED	ORIGINATOR	D. MITCHELL	21-NOV-2005
X.X	X.XX	ANGLES	W. SHARP
± 0.03	± 0.01	± 0.5°	
CHECKED			
APPROVED			
USED ON	MD-440241		
MATERIAL	SEE PARTS LIST		

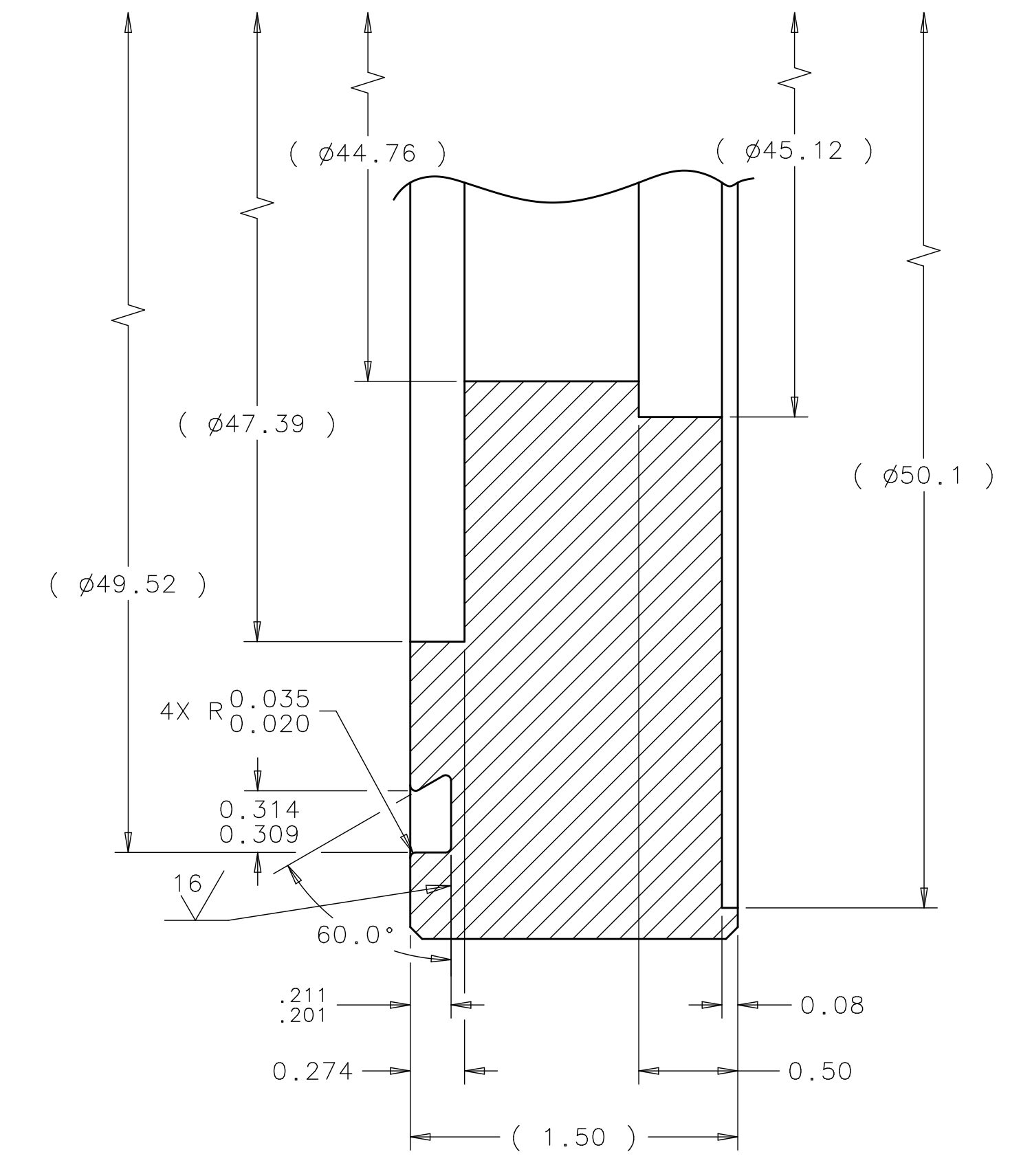
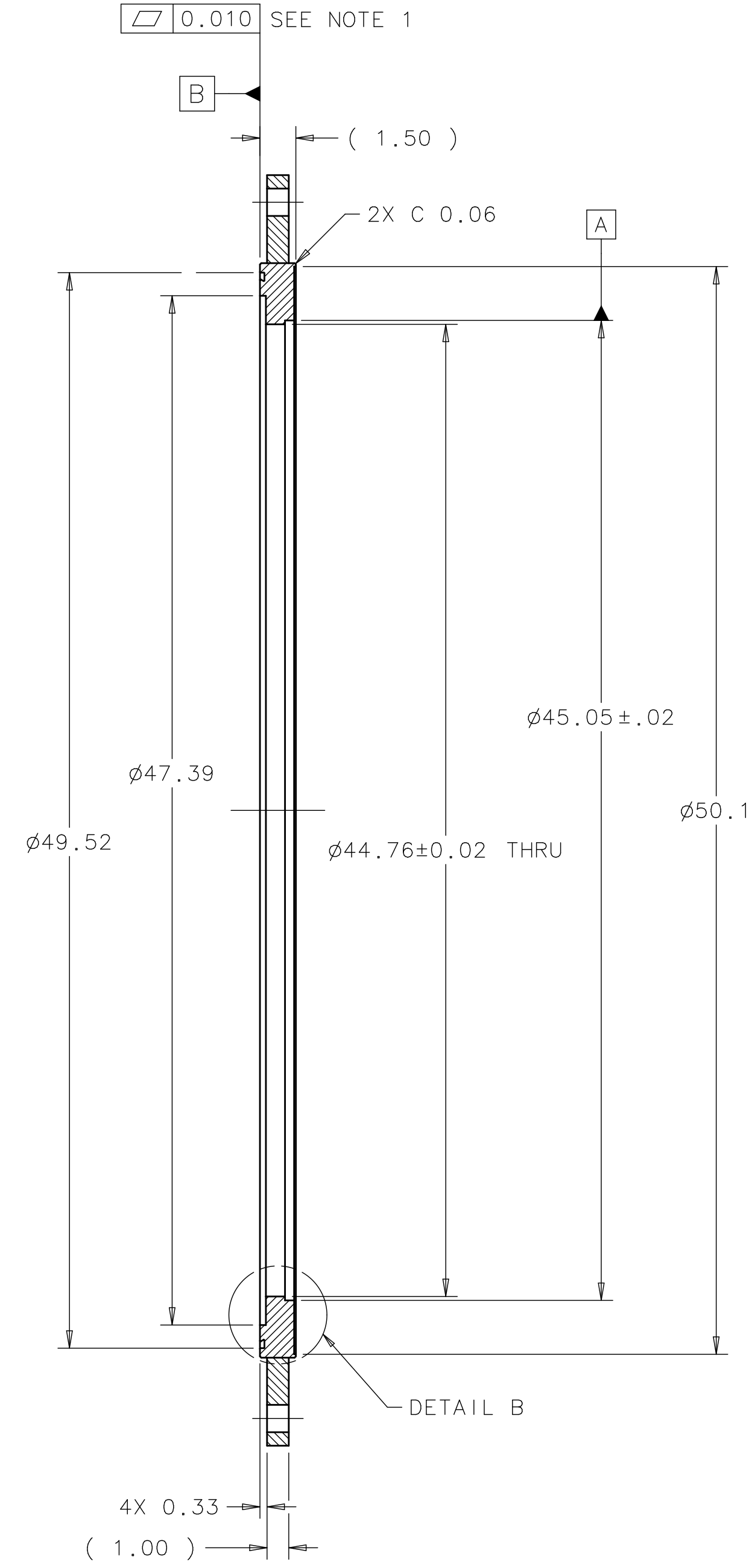
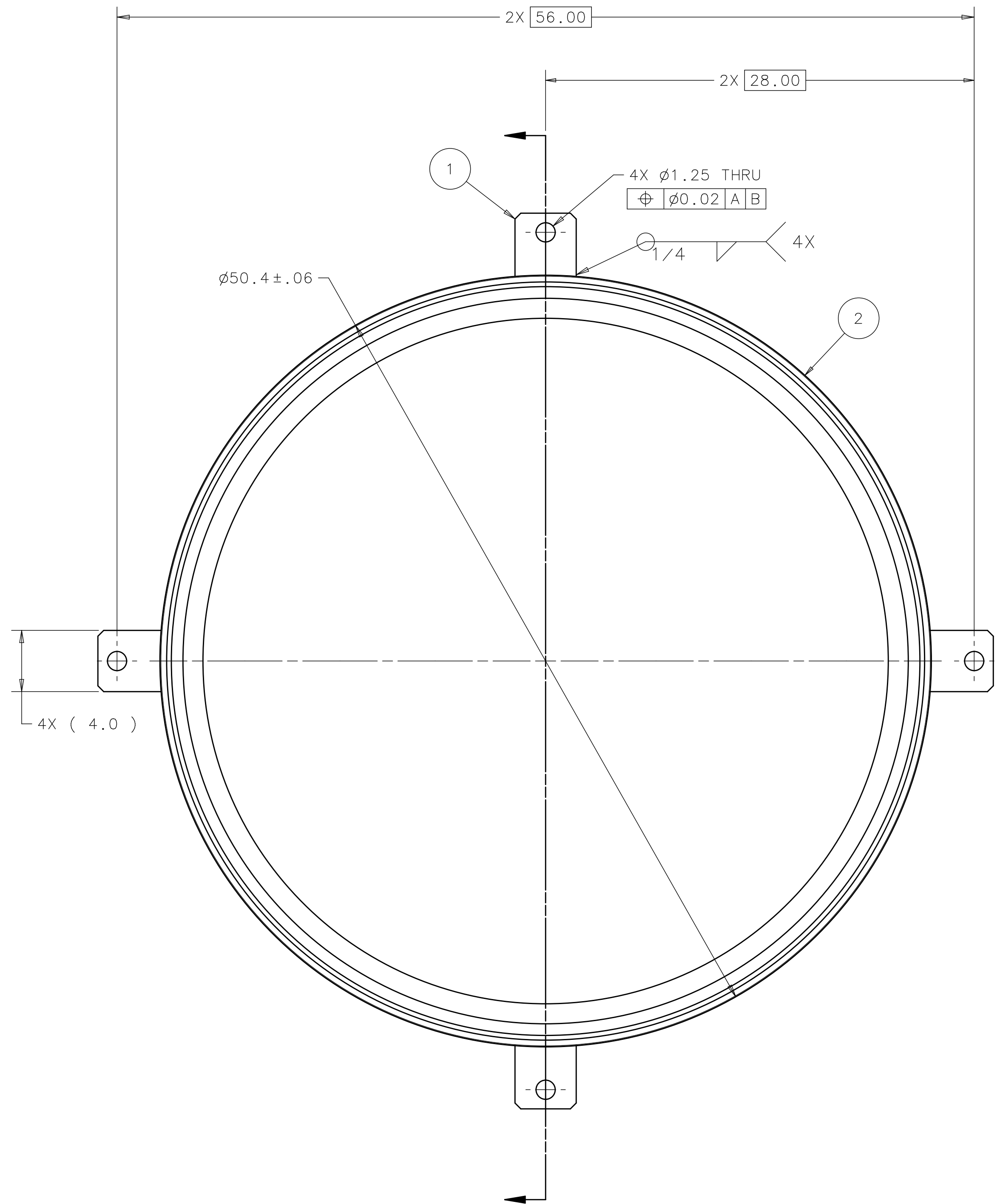
FERMI NATIONAL ACCELERATOR LABORATORY
 UNITED STATES DEPARTMENT OF ENERGY

SCRF - 3RD HARMONIC ACCEL INTERCONNECT BELLOWS BELLOWS END FLANGE WELDMENT

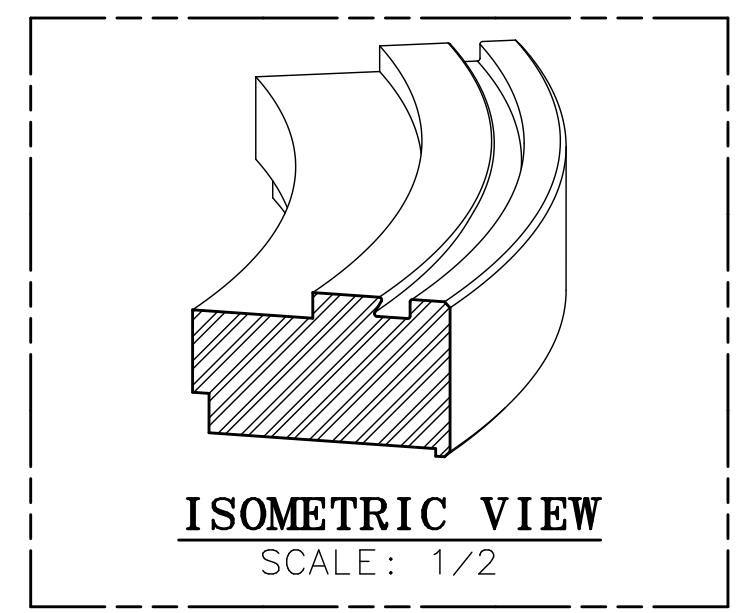
SCALE 3/16 & AS NOTED	DRAWING NUMBER 5520.000-MD-440237	SHEET 1 OF 1	REV
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CREATED WITH : Ideas12NXSeries GROUP: TD/DDCIS-DESIGN-COMPUTING

REV	DESCRIPTION	DRAWN	DATE
		APPROVED	DATE
-	NEW RELEASE - ER #8544	J. MONTELONGO	10-05-06



DETAIL B
SCALE: 1.5X



NOTES: (UNLESS OTHERWISE SPECIFIED):
 1. ALL HOLES, 'O'RING GROOVE AND FLATNESS TO BE MACHINED AFTER ALL WELDING HAS BEEN COMPLETED.

ITEM	PART NO.	DESCRIPTION OR SIZE	QTY.
2	COM'L.	1-1/2" THK STAINLESS STEEL, ASTM A182-F304L	1
1	MC-440209	ROD MOUNTING BLOCK	4

PARTS LIST				
UNLESS OTHERWISE SPECIFIED	ORIGINATOR	D. MITCHELL	21-NOV-2005	
X.X	X.XX	ANGLES	DRAWN	W. SHARP
± 0.03	± 0.01	± 0.5°	CHECKED	
APPROVED		USED ON		
63		MD-440252		
MATERIAL		SEE PARTS LIST		

FERMI NATIONAL ACCELERATOR LABORATORY
 UNITED STATES DEPARTMENT OF ENERGY

SCRF - 3RD HARMONIC ACCEL INTERCONNECT BELLOWS FLANGE AND ROD BLOCK WELD

SCALE	DRAWING NUMBER	SHEET	REV
3/16" & AS NOTED	5520.000-MD-440250	1 OF 1	

CREATED WITH: Ideas12NXSeries GROUP: TD/DDCIS-DESIGN-COMPUTING