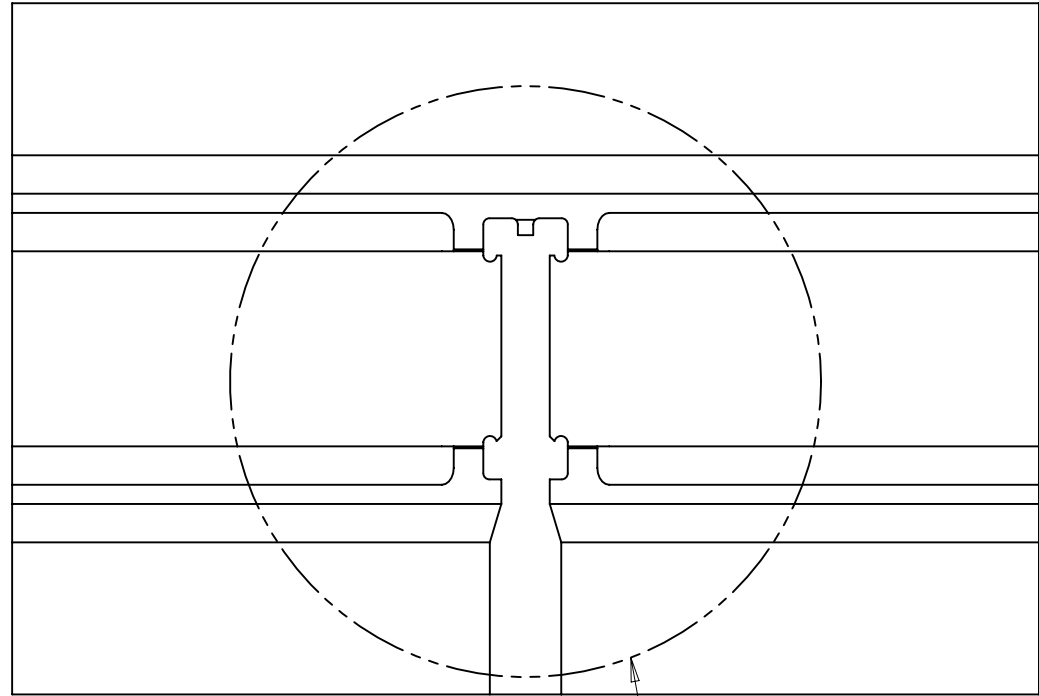
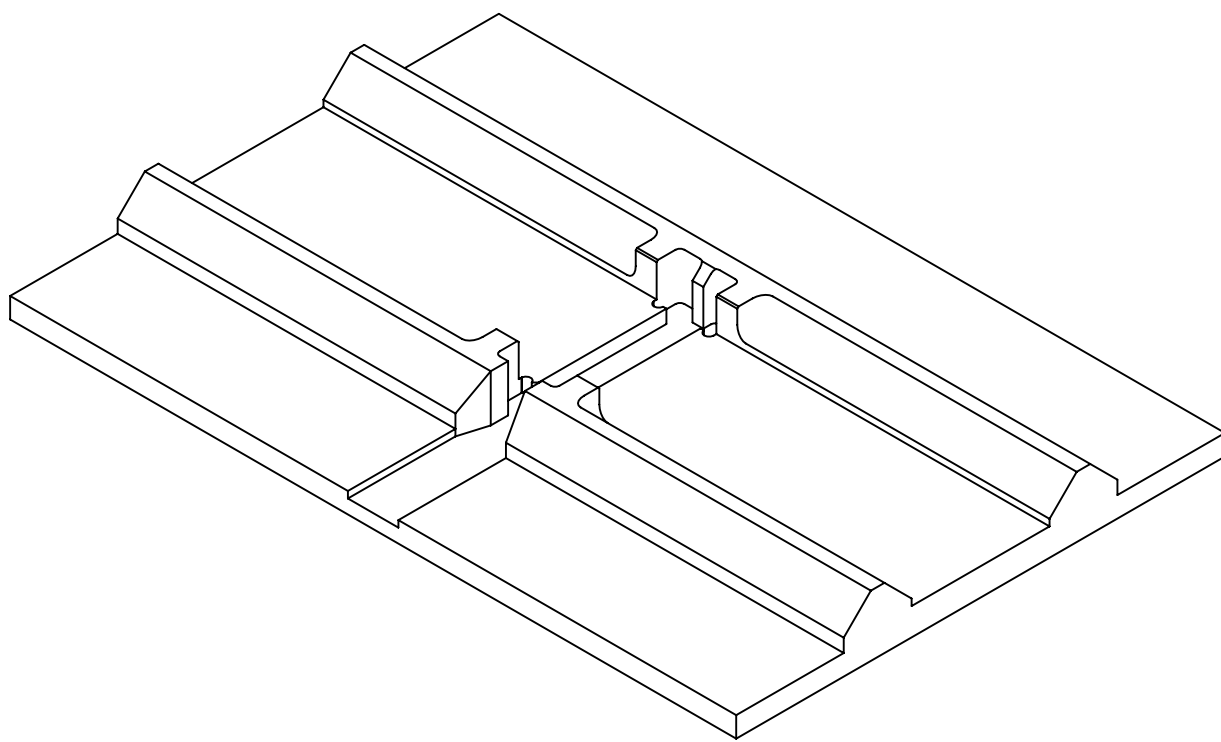
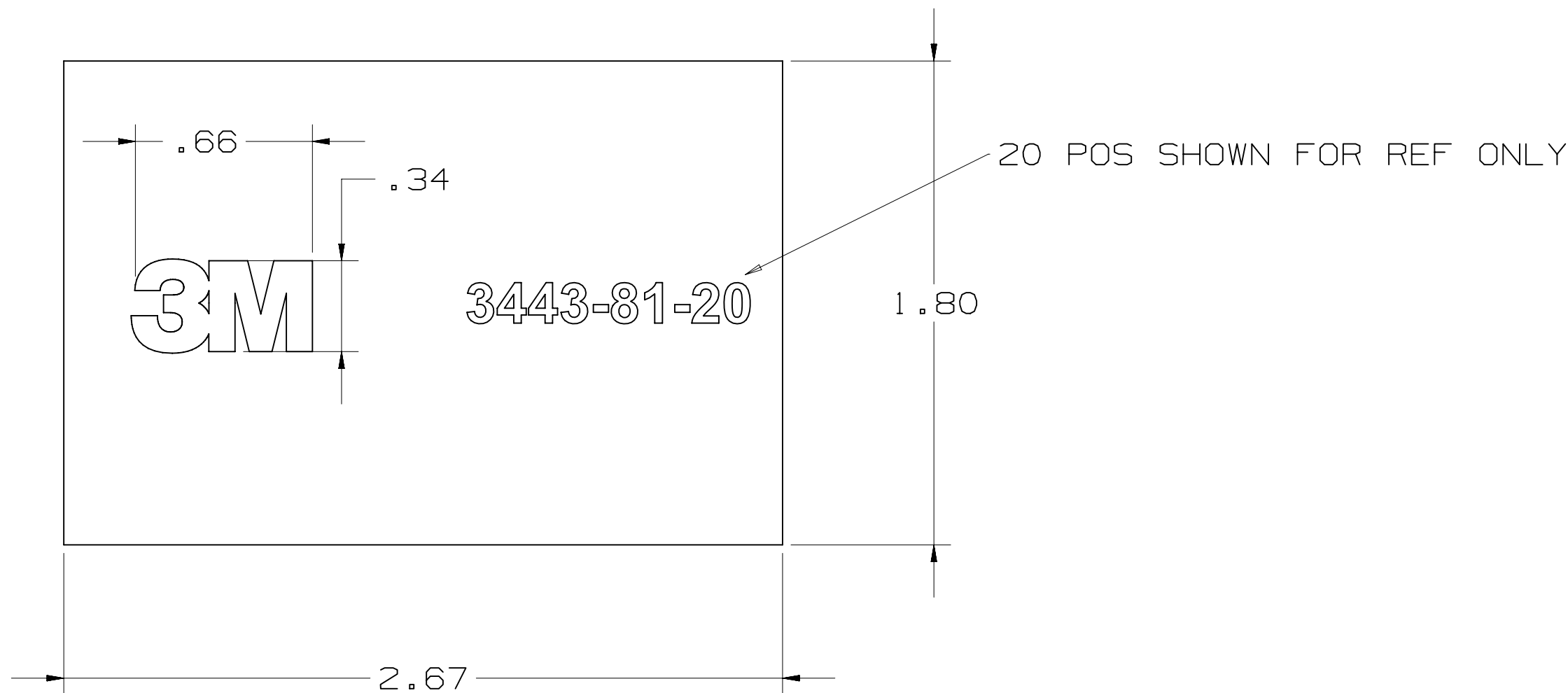
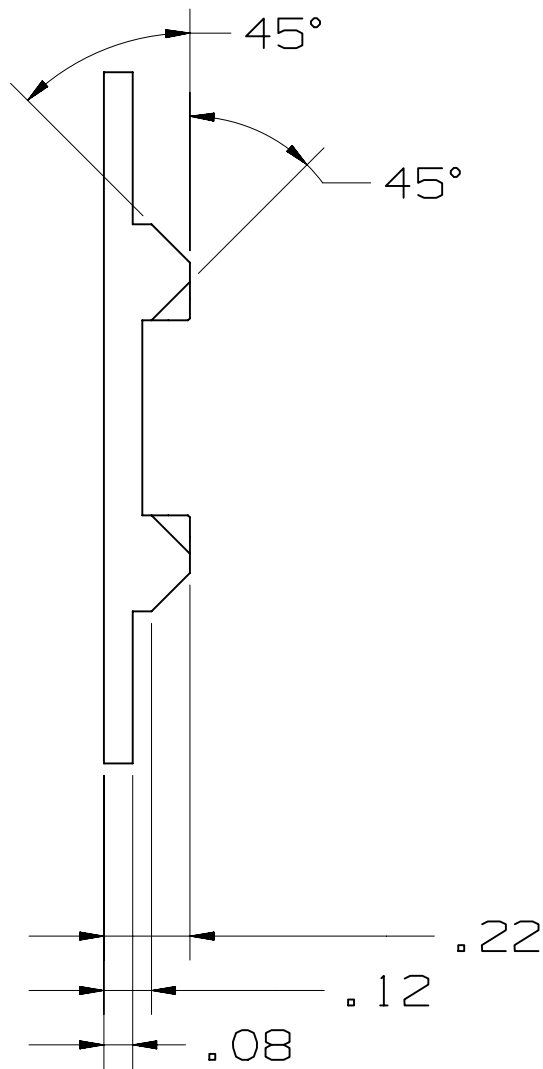


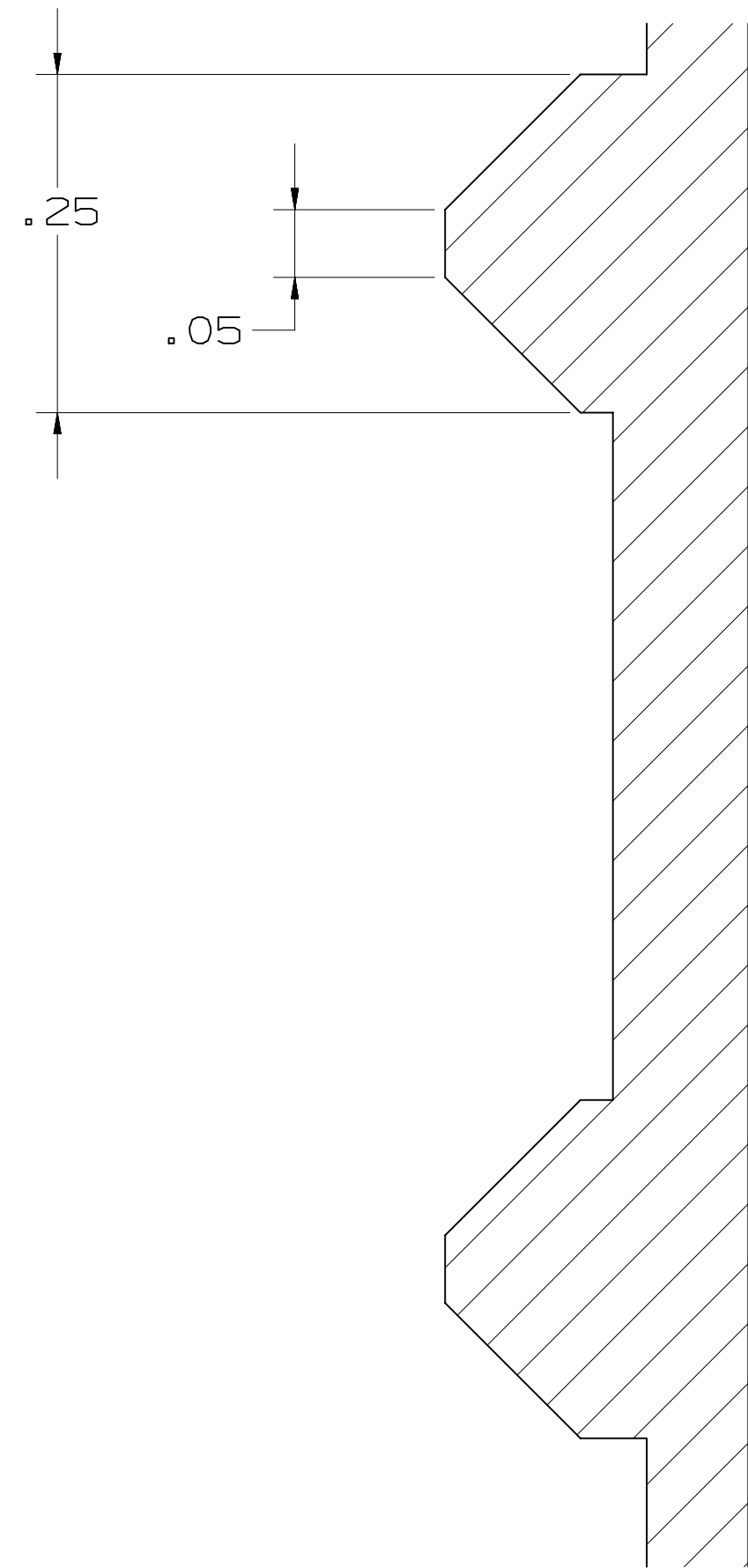
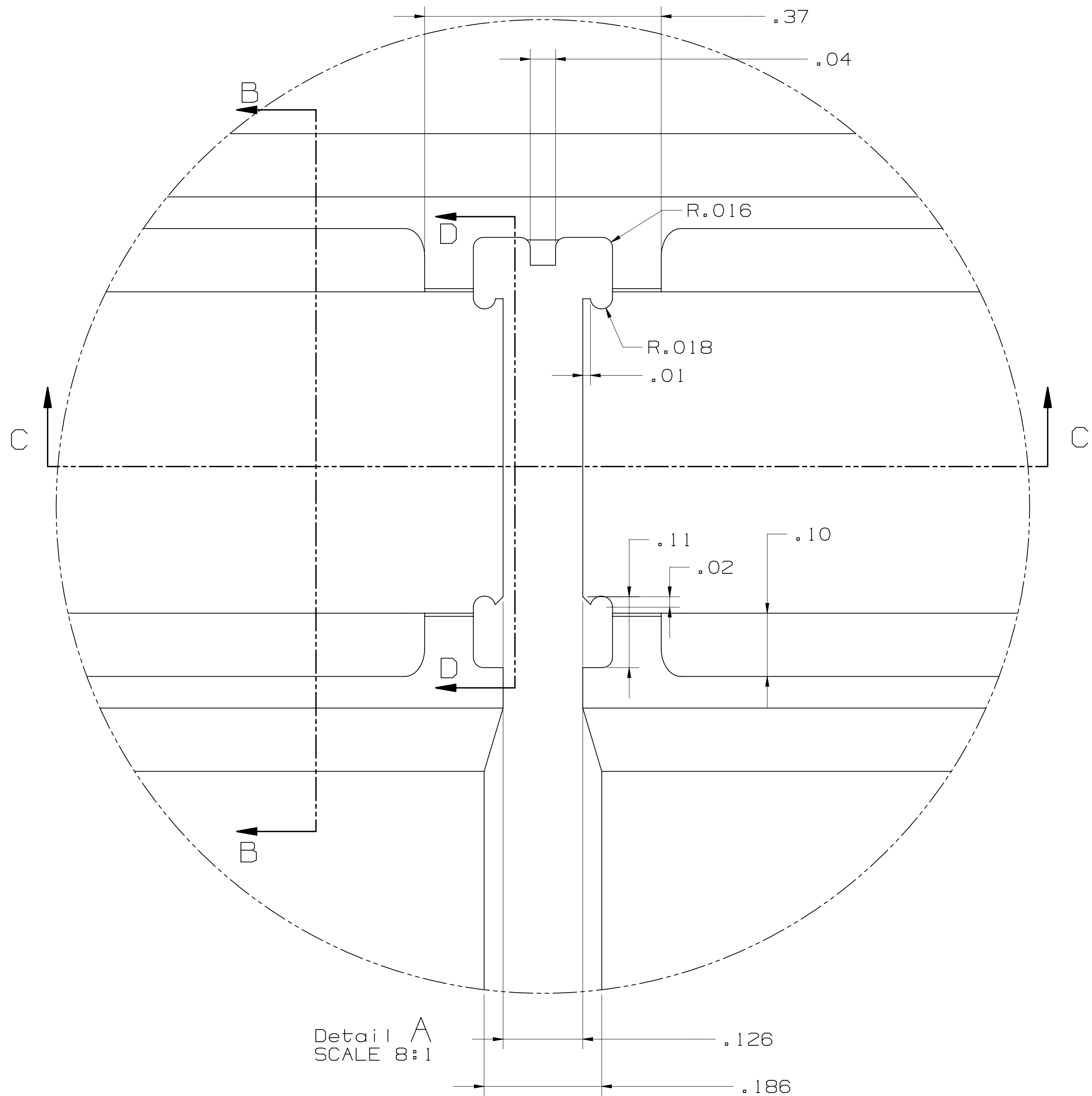
- NOTES:
- 1. MATERIAL: ABS
 - 2. TEXT: 0.015 ± .005
 - 3. INSERT PAGES 1 & 2
 - 4. ADAPTER PAGE 3
 - 5. 3M PROVIDES THESE PRINTS AS REFERENCE ONLY. NO WARRANTY IS IMPLIED.



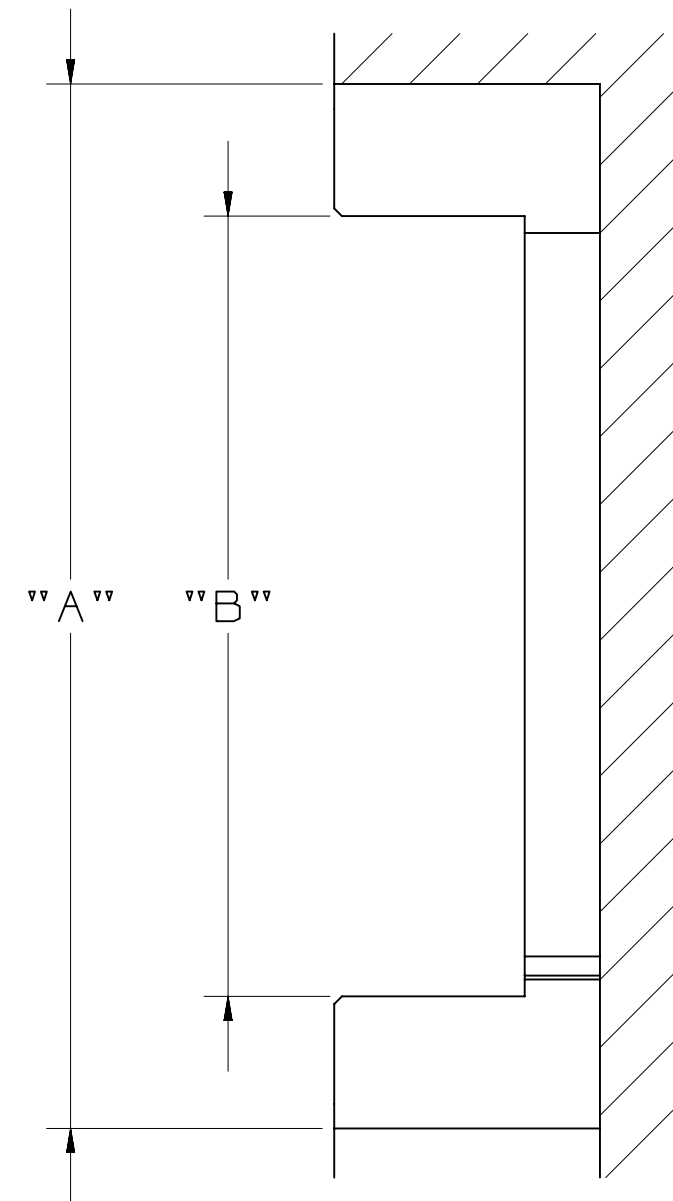
See Detail A



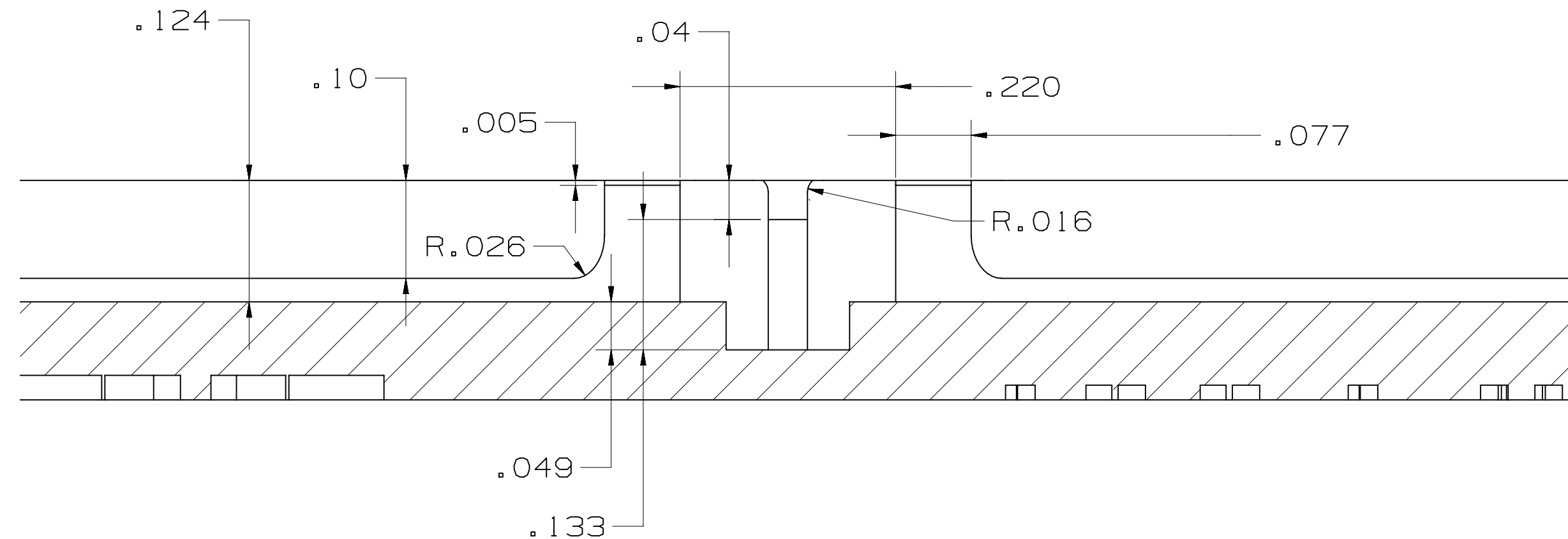
DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
XREF		SJS		DEC 18, 2013	DATE	MFG		DATE	
DIVISION		DIVISION CODE		CHKD	DATE	APPRVL		DATE	
DO NOT SCALE DRAWING		SCALE 1/1		TOLERANCES EXCEPT AS NOTED		© 3M COPYRIGHT 2013			
THIRD ANGLE PROJECTION		INCHES		.0000 ± .0002		3M Center St. Paul, MN 55144			
INTERPRET PER ASME Y14.5 - 2009		MILLIMETERS		.0000 ± .0002		This document and the information it contains are 3M property and may not be reproduced or further distributed without 3M permission, or used or disclosed other than for 3M authorized purposes. All rights reserved.			
MAX SURFACE ROUGHNESS 125/		ALL SURFACES		2000 ±		TITLE			
X MARKED ONLY		ANGLES ± 1°		CAGE NUMBER		3443-81-20 3D PRINTED APPLICATION TOOLING SERIES 451			
				DRAWING NO.		REV.			
				MODEL		DET. 1 OF 3			
				451		SHT 1 OF 3			



SECTION B - B



SECTION D - D



SECTION C - C

SIZE	A	B
4	0.28	0.11
6	0.33	0.16
8	0.38	0.21
10	0.43	0.26
12	0.48	0.31
14	0.53	0.36
16	0.58	0.41
20	0.68	0.51
30	0.93	0.76

DESIGN REFERENCE		NEXT ASSEMBLY		REV		ECO		ISSUE DATE AND DESCRIPTION		DRFT		CHKD	
SJS		SJS		SJS		SJS		DEC 18, 2013		MFG		DATE	
DIVISION		DIVISION CODE		DATE		APPR		DATE		DATE		DATE	
DO NOT SCALE DRAWING		SCALE 1/1		TOLERANCES EXCEPT AS NOTED		INCHES .00 .01 .02 .000 .005 .0002		MILLIMETERS 0 .0 .00 .000 .005 .0002		INTERPRET PER ASME Y14.5 - 2009		MAX SURFACE ROUGHNESS 125/1000	
THIRD ANGLE PROJECTION		THIRD ANGLE PROJECTION		THIRD ANGLE PROJECTION		THIRD ANGLE PROJECTION		THIRD ANGLE PROJECTION		THIRD ANGLE PROJECTION		THIRD ANGLE PROJECTION	
CAGE NUMBER		SIZE		DRAWING NO.		REV.		CAGE NUMBER		SIZE		DRAWING NO.	
125		D		78-9102-0523-2		A		125		D		78-9102-0523-2	
MODEL		451		DET		LISTS		YES		NO		SHT 2 OF 3	

3M

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JAN 03, 2014

RELEASE

SJS

SAN

