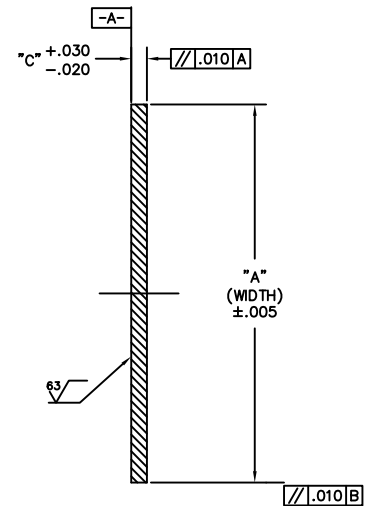
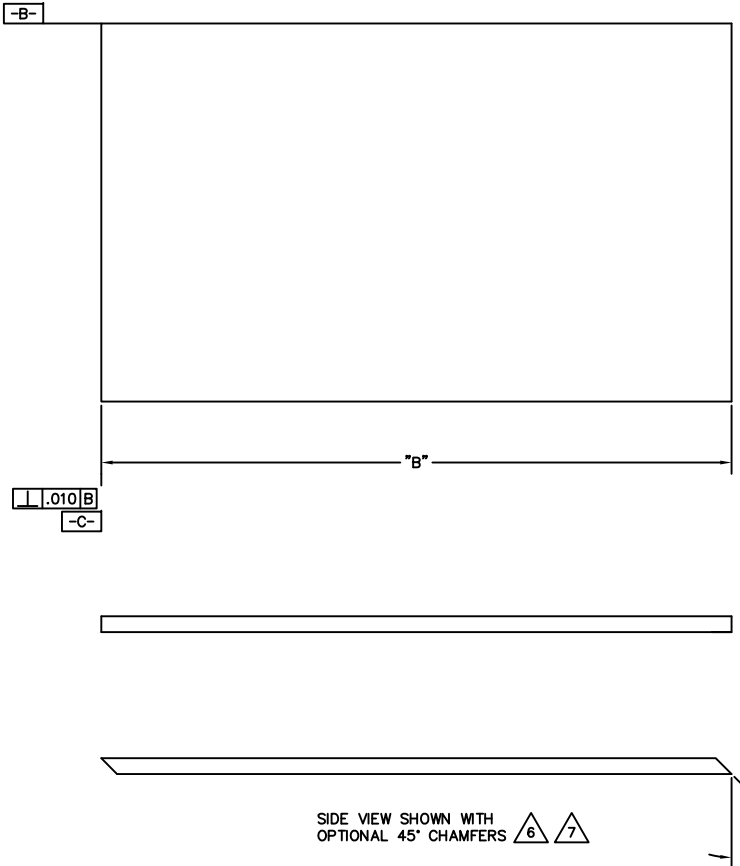


NOTES: UNLESS OTHERWISE SPECIFIED

1. INTERPRET DIMENSIONS AND TOLERANCING IAW ANSI Y14.5M - 1982.
2. BREAK SHARP EDGES .002-.015.
3. INTERPRET ABBREVIATIONS IAW MIL-STD-12.
4. FOR FURTHER FABRICATION REQUIREMENTS SEE MATERIALS SCIENCE, INC. SPECIFICATION NO. 10000100.
5. ACTUAL OVERALL TARGET LENGTH TO BE SPECIFIED BY THE USER AND CALLED OUT ON THE PURCHASE ORDER TO THE TARGET MATERIAL SUPPLIER.
6. IF 45° CHAMFER IS DESIRED IT MUST BE SPECIFIED BY THE USER ON THE PURCHASE ORDER TO THE TARGET MATERIAL SUPPLIER AT THE TIME OF ORDER. OTHERWISE ALL TARGETS WILL BE FABRICATED WITH A SQUARE BUTT JOINT.

7. A SQUARE BUTT JOINT IS MORE ECONOMICAL TO FABRICATE. A 45° CHAMFERED END PREVENTS THE PLASMA DISCHARGE DIRECT LINE-OF-SITE ACCESS TO THE METALLIC BONDING MEDIUM, REDUCING THE CHANCE OF FILM CONTAMINATION BY THE SOLDER BOND.
8. TARGETS FABRICATED FROM DIELECTRIC MATERIALS SHOULD NOT EXCEED 10-INCHES IN LENGTH IN ORDER TO PREVENT EXCESSIVE THERMAL EXPANSION. WHEN POSSIBLE, THE OVERALL TARGET LENGTH SHOULD BE DIVIDED INTO A NUMBER OF EQUAL LENGTH TILES.

ZONE	REV	DESCRIPTION	DATE	APPROVED
	-	INITIAL RELEASE	001127	
	A	ADDED -5, -6	071123	J. MILLER
	B	ADDED -7, -8	071219	J. MILLER



DASH NO.	"A" DIMENSION	"B" DIMENSION	"C" DIMENSION	45° CHAMFER
-1	5.000	△	.250	△
-2	5.000	△	.375	△
-3	6.000	△	.250	△
-4	6.000	△	.375	△
-5	90 MM	△	7 MM	△
-6	90 MM	△	.25	△
-7	3.500"	△	.188	△
-8	3.500"	△	.250	△

SIDE VIEW SHOWN WITH OPTIONAL 45° CHAMFERS 6 7

QUANTITY PER ASSEMBLY	CAGE CODE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	MATERIAL SPECIFICATION	ZONE	ITEM NO
			PARTS LIST			
			DRAWN: G. CERVANTES 00/11/27	<b>MATERIALS SCIENCE, INC.</b> <small>Vacuum and Thin Film Technology</small> <small>10000100 Rev. 02/02</small>		
			<small>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:</small> <small>DECIMALS .015 .010 .005 .002</small> <small>FRACTIONS 1/16 1/32 1/64</small> <small>ANGLES UNLESS OTHERWISE SPECIFIED 15°</small>	<b>FABRICATION REQUIREMENTS, RECTANGULAR TARGETS</b>		
			<small>THIS DRAWING CONTAINS PROPRIETARY INFORMATION AND ANY REPRODUCTION, DISCLOSURE OR USE OF THIS DRAWING WITHOUT WRITTEN PERMISSION FROM MATERIALS SCIENCE, INC. IS EXPRESSLY PROHIBITED.</small>			
			FORM			
			NEXT ASSEMBLY USED ON			
			APPLICATION			
			DO NOT SCALE DRAWING			
			SCALE: NONE			
			DATE CODE			
			QWL NO.			
			00000715			
			REV			
			B			
			SCALE: NONE			
			DRW			
			SHEET 1 OF 1			

00000715