

8 7 6 5 4 3 2 1

NOTES CONTINUED:

⑤ Laser mark or etch (no inks or dyes) drawing part number, revision, and a two-digit serial number on noted surface of part.

6. MATERIAL: CORNING HIGH PURITY FUSED SILICA (HPFS), GRADE **4G** OR BETTER.

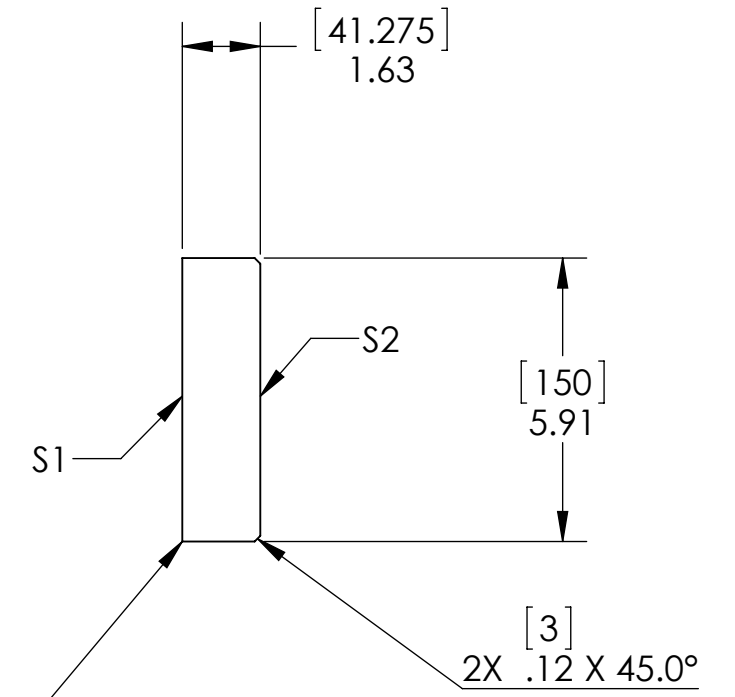
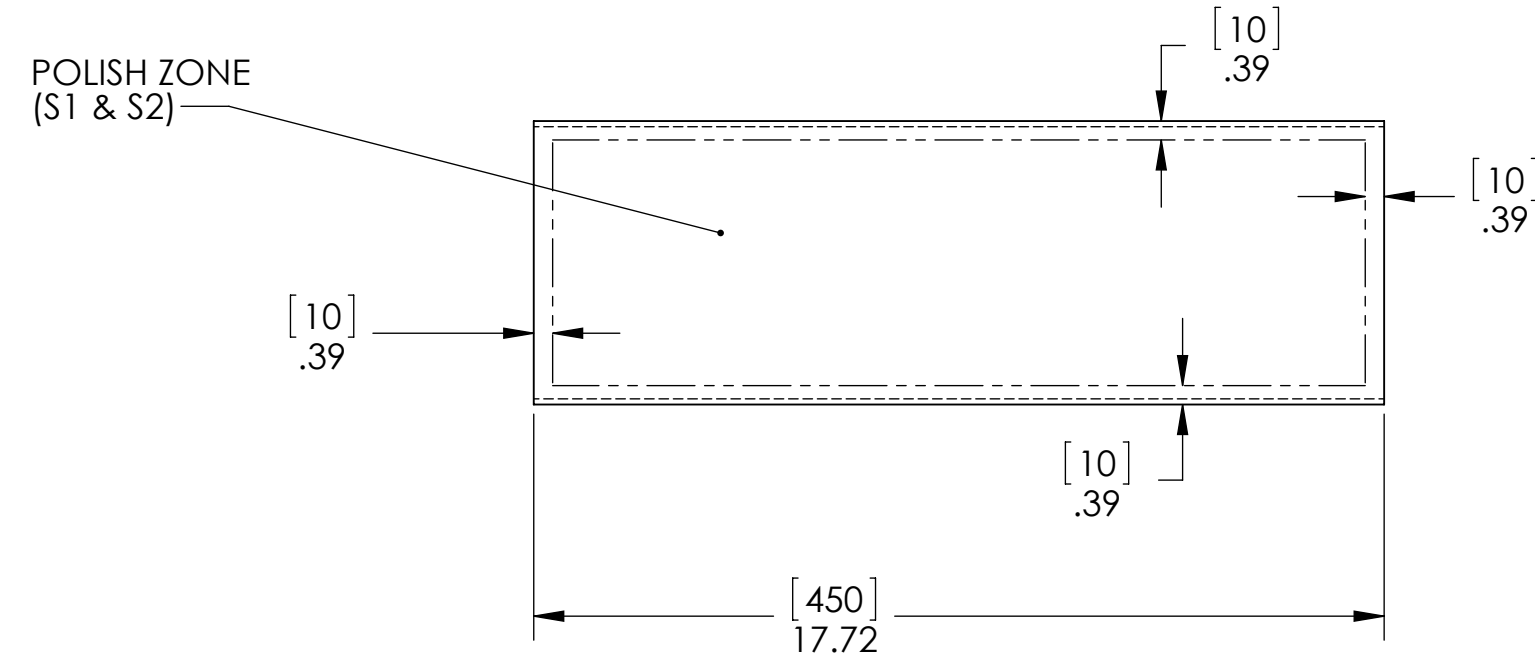
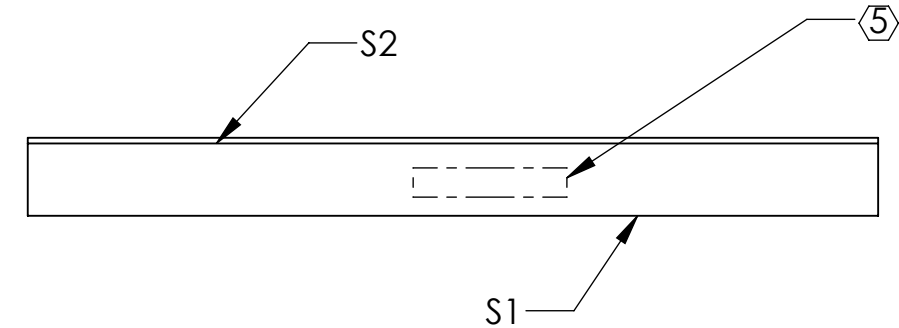
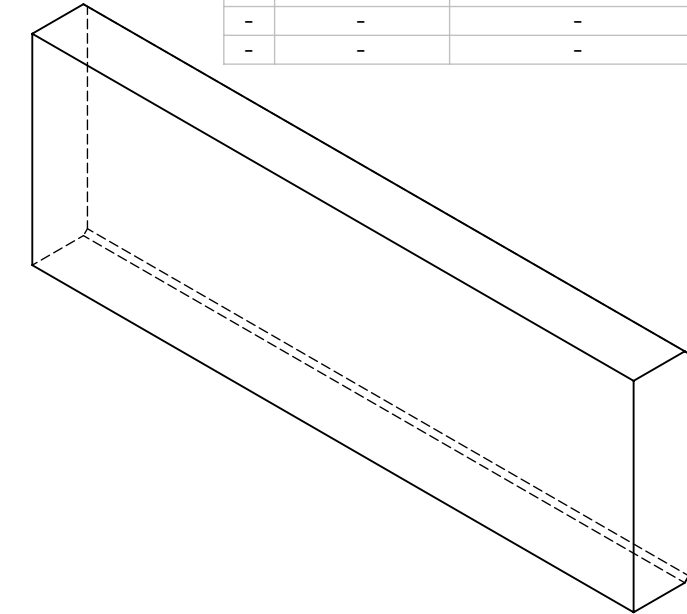
7. SURFACE SPEC WITHIN POLISH ZONES:

S1: 80/40 OPTICAL POLISH
 FLAT TO **20 μ m P-V**
 LOCAL SURFACE DISTORTION, (DISTANCE SCALES OF \leq **5cm**): **<1 micron RMS**

S2: 80/40 OPTICAL POLISH
 LOCAL SURFACE DISTORTION, (DISTANCE SCALES OF \leq **5cm**): **<1 micron RMS**

4X SIDES: POLISH OUT OF THE GREY

REV.	DATE	DCN #	DRAWING TREE #
-	-	-	-
-	-	-	-
-	-	-	-



BEVEL ALL OTHER EDGES: MAX [1.5] .6 X45° (FOR SAFETY)

D1200105_Breadboard_OMC_aLIGO, PART PDM REV: X-002, DRAWING PDM REV: X-004

NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)	
1. INTERPRET DRAWING PER ASME Y14.5-1994.	
2. REMOVE ALL SHARP EDGES: See NOTES ON DRAWING	
3. DO NOT SCALE FROM DRAWING.	
4. ALL MACHINING FLUIDS MUST BE FULLY SYNTHETIC, FULLY WATER SOLUBLE AND FREE OF SULFUR, SILICONE, AND CHLORINE.	
MATERIAL	FINISH
Fused Silica, SEE NOTE 6	See Note 7

LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		PART NAME Breadboard_OMC_aLIGO	
SYSTEM ADVANCED LIGO	SUB-SYSTEM ISC	DESIGNER SWALDMAN	DATE Jan 2012
NEXT ASSY D1101965	SCALE 1:4	DRAWER SBARNUM	DATE Jan 19 2012
	PROJECTION	CHECKER SWALDMAN	DATE 18 JAN 2012
		APPROVAL PFRITCHEL	DATE 30 JAN 2012
		SIZE DWG. NO. B D1200105	REV. v2
		SHEET 1 OF 1	

8 7 6 5 4 3 2 1