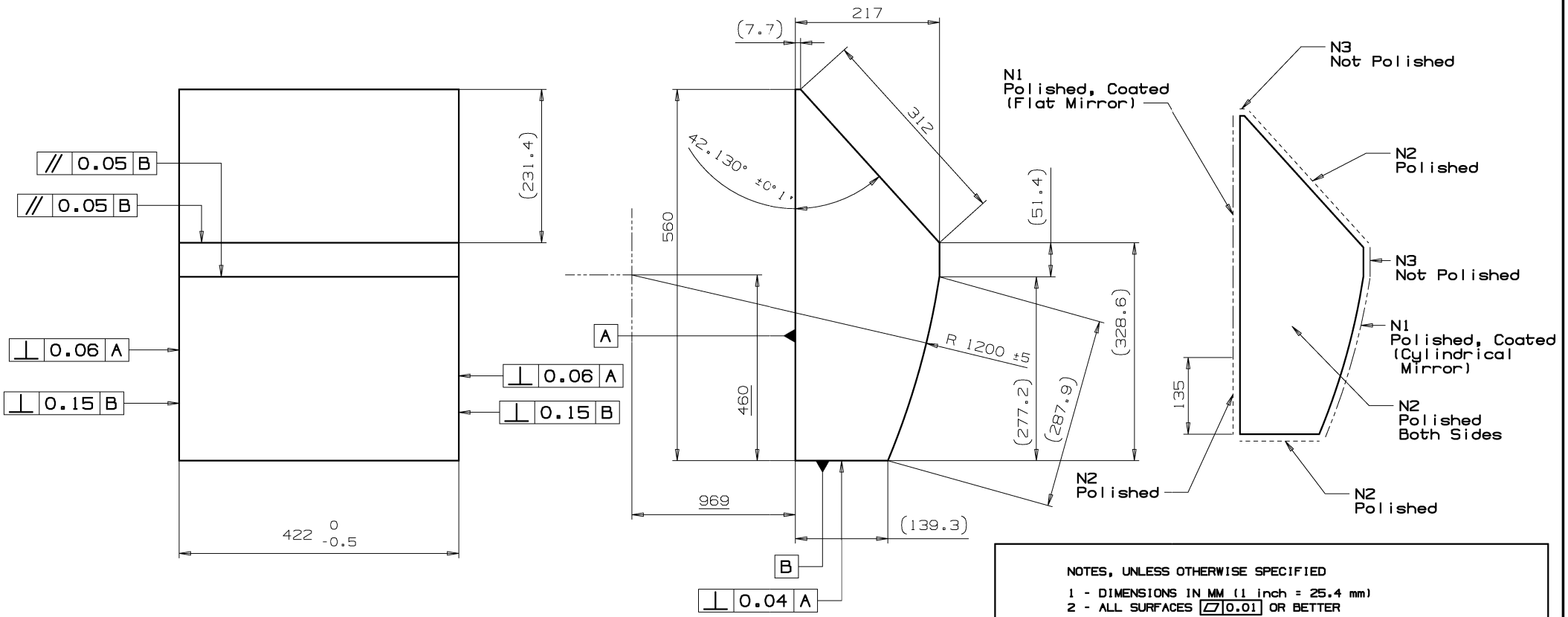

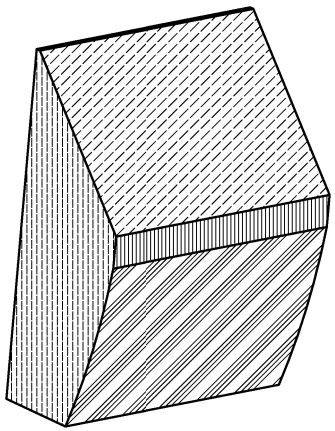

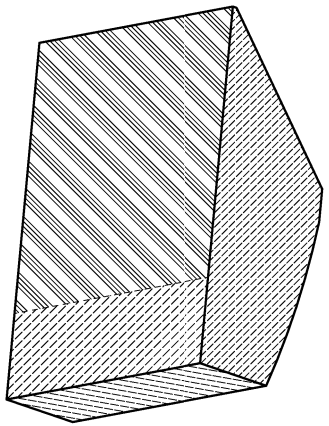

NOTES, UNLESS OTHERWISE SPECIFIED

1 - DIMENSIONS IN MM (1 inch = 25.4 mm)
2 - ALL SURFACES ▱ 0.01 OR BETTER
3 - SURFACES PER MIL SPEC 60/40 OR BETTER
4 - ALL EDGES BEVELED WITH A WIDTH OF 0.5 mm
5 - NO EDGE CHIP >2 MM DIAMETER.
NO MORE THAN 10 mm LOST TO CHIPS/EDGE
WHERE CHIP MEANS ANY DEVIATION FROM KNIFE-SHARP
6 - CILINDRICAL MIRROR RADIUS SPECIFICATION:
a) LOCAL WAVINESS IN MIRROR SURFACE (LOCAL RADIUS VARIATION OVER A CERTAIN SURFACE DISTANCE):
Δr smaller than 0.005 mm over a distance of 1 cm
Δr smaller than 0.1 mm over a distance of 20 cm
Δr smaller than 0.3 mm over a entire mirror surface
b) MICRO-VARIATION OF THE MIRROR SURFACE :
20 ANGSTROMS rms
7 - DIMENSIONS ARE AFTER POLISHING AND TO THE IMAGINARY SHARP EDGE

N1 - POLISHED (20 ANGSTROMS) AND COATED WITH ALUMINUM TO MAKE A MIRROR SURFACE FOR PHOTON REFLECTION FROM WITHIN THE FBLOCK

N2 - POLISHED (20 ANGSTROMS)

N3 - NOT POLISHED

Heat and/or Surface Treatment	MATERIAL	Chamfer not dimensioned	ROUGHNESS R_a in µm	QUANTITY
See Notes	FUSED SILICA	See Notes	See Notes	_

DATE	03/09/2010	GENERAL TOLERANCES ±0.5	SCALE _:__
Drawn	M. Zago		

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PADUA Division

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TITLE
FOCUSING BLOCK (FBLOCK)
FDIRC_fblock_design_12b_1.vc6

DRAWING No.: 100115.SB.J.01 | Vers. 100309 | SHEET 1