REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
A	First issue	05/21/2001	
B	Add note	08/29/2001	
C	Tolerance thickness	10/29/2001	J.Hill
D	Update some tolerance	03/05/2002	J.Hill
F	Change Edging & Clarify Notes	01/26/2006	J.Hill

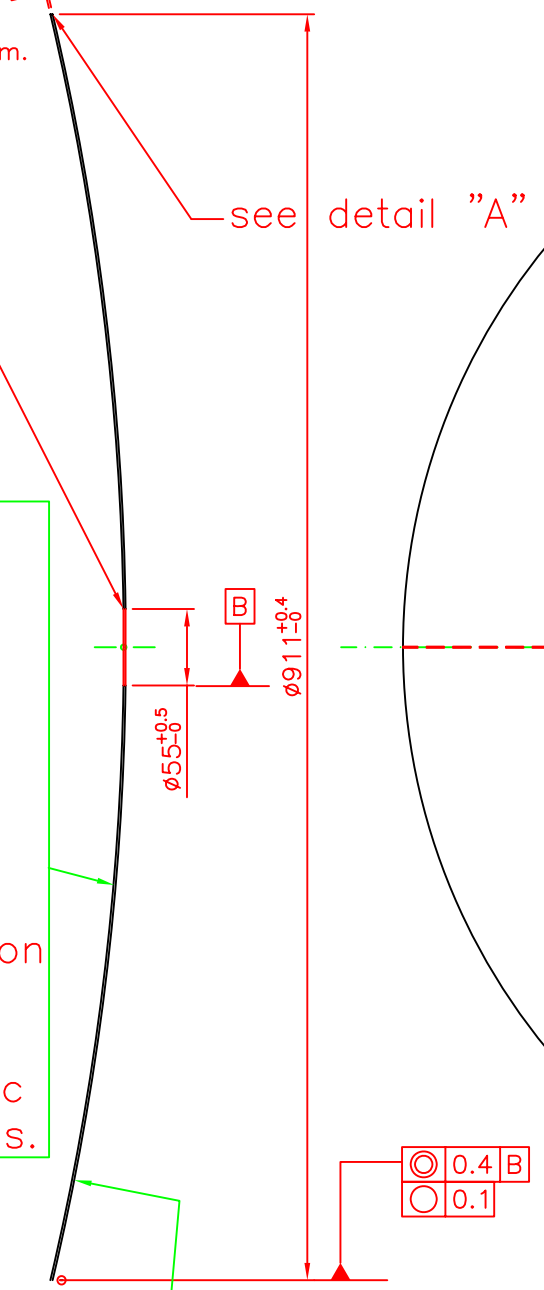
Mean shell thickness = 1.6 mm

$1.6^{+0.1}_{-0.03}$

Shell wedge to be < 0.03mm.

see detail "A"

see detail "B"



asphere
−0.7328±0.0005*

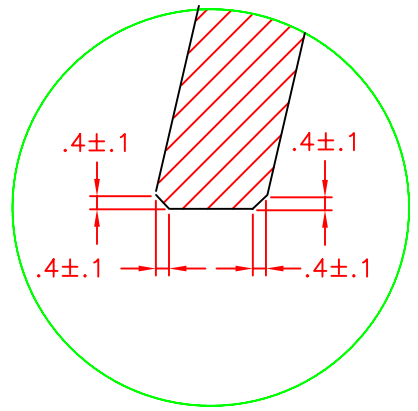
front radius
1974.24±4.2mm*

clear aperture
80−910mm

asphere centered on diameter ±1mm

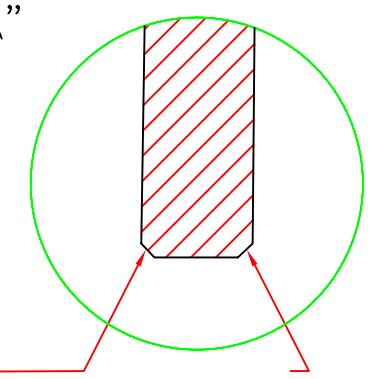
*See polishing spec 645s001 for details.

Requested back radius=1995mm spherical with a tolerance ±0.7mm.
(The intent is to have all shells interchangeable with both reference plates)



Detail "A"

Finish all edges and bevels to #320 finish or better.



Break sharp corners 0.2mm max.

Detail "B"

UNLESS OTHERWISE SPECIFIED	DESIGN BY: Gallieni	DATE: 05/02/2001	LARGE BINOCULAR TELESCOPE
TOLERANCES ON: DECIMALS / FRACTIONS / ANGLES: .XXX as; .XX noted; na; ±0.01°	DRAWN BY: Anaclerio	DATE: 06/04/2001	LBT Project Office/USA, Steward Observatory, University of Arizona, Tucson, AZ 85721-0065 USA, Ph. 1 520 626-5231 Fax. 1 520 626-9333 — LBT Project Office/Italy, Osservatorio Astrofisico di Arcetri, Largo Enrico Fermi, 5, 50125 Firenze, ITALY, Ph. 39 055 2752290 Fax. 39 055 2752292
MATERIAL: Zerodur special grade class 1	LST REV BY: J. Hill	DATE: 01/26/2006	Telescope Auxiliaries M2 Adaptive F/15 M2 Adaptive F/15 Optical Deformable Mirror Shell for LBT672 Diameter 911 Thickness 1.6 mm
FINISH/TREATMENT: Polish	CHECK BY: Gallieni	DATE: 03/05/2002	
COMMENTS: Volume = 1052938.06 mm3	ACCEPT BY: J.Hill	DATE: 03/05/2002	
THIRD ANGLE PROJECTION	RELEASE BY: J.Hill	DATE: 03/05/2002	
	SCALE: USE SCALEBAR	LOCAL DWG. FILE: /lbt/M2/adopt	CAN NO: 645a004 — REV: F
	UNITS: mm	FORM (D/A1) SCALED BY: A3 – 1:5	PREFER PLOT SIZE: D/A1 PEN OR A/A4 LASER

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