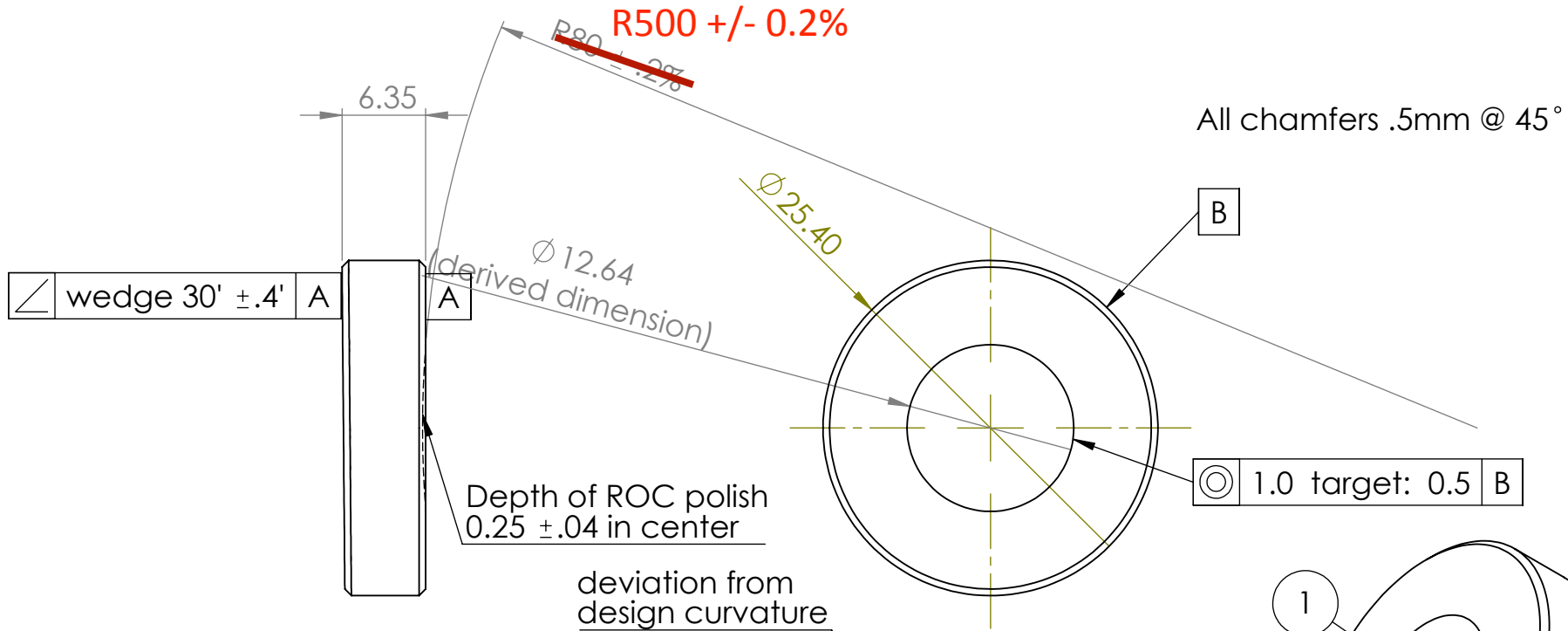


2

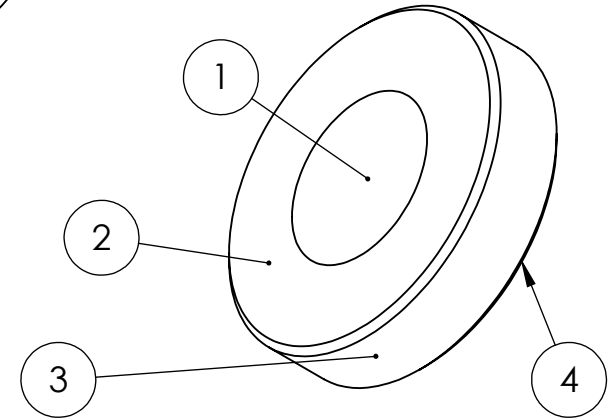
1

B

B



Surface	Comments
1 (curved)	CC 50cm, S/D <10-5, roughness <.15nm rms, flatness < λ/10
2 (annulus)	polished for optical contacting
3 (barrel)	(+ chamfers) standard polish; "fine ragged"
4 (back)	plano, S/D <10-5, roughness <.15 nm rms, flatness <λ/10



Surface	Coating
1 (curved)	HR* with T=100ppm @2004nm **
4 (back)	

* Ta2O5-SiO2 quarter-wave HR Coating with half-wave SiO2 cap
 ** Annulus masked off during coating process!
 *** R<100ppm target residual reflectivity

UNLESS OTHERWISE SPECIFIED:	NAME	DATE
DIMENSIONS ARE IN MM TOLERANCE: ± 0.1 MM	DRAWN JE	
	CHECKED	
	ENG APPR.	
	MFG APPR.	
	Q.A.	
Material: Corning HPFS 7979 monocrystalline Silicon	COMMENTS:	
FINISH as indicated		

**TITLE: 50cm CC cavity mirror,
wedge, with annulus
for optical contacting**

SIZE A	DWG. NO. HCO D1600198 D1800263-v1	REV 1
SCALE: 2:1	WEIGHT:	Sheet 1 of 1

2

1

A

A