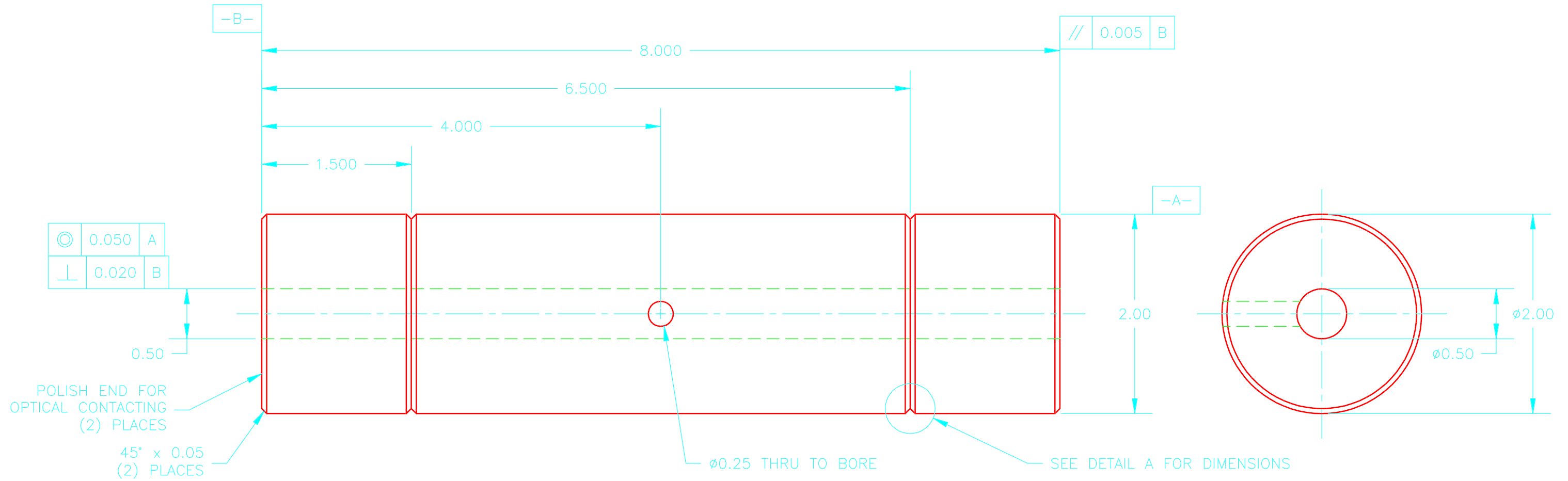


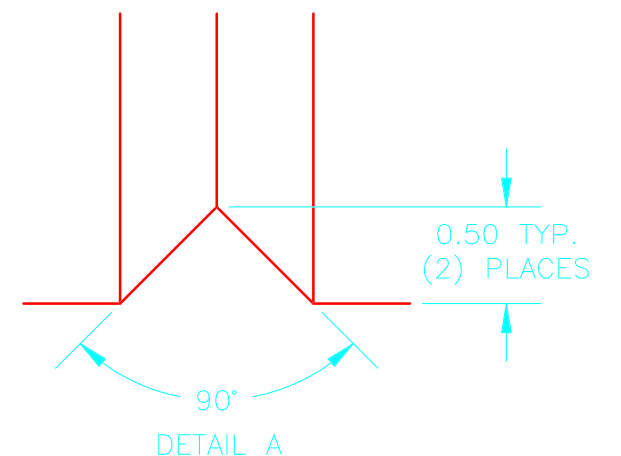
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED



POLISH END FOR OPTICAL CONTACTING (2) PLACES
 45° x 0.05 (2) PLACES

∅0.25 THRU TO BORE

SEE DETAIL A FOR DIMENSIONS

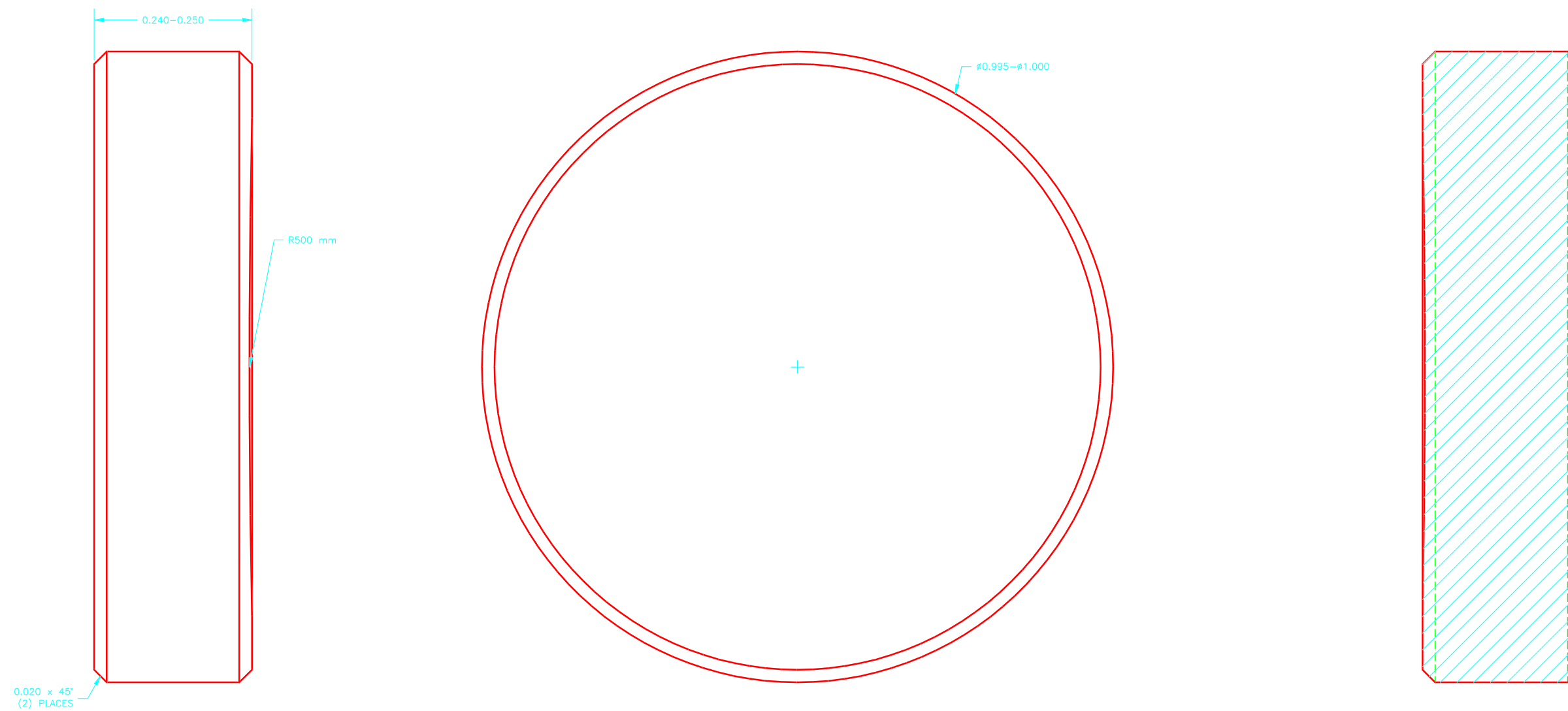


NOTES:

- MIRRORS TO BE OPTICALLY CONTACTED ONTO SPACER ARE:
 ∅1.00 x 0.25 THICK
 WEDGE: 30 MINUTES
 RADIUS: 500 MILLIMETERS
 T = 300 ± 30 ppm
 LOSS < 30 ppm
 AR COATING ON BACK WITH R < 500 ppm
 WAVELENGTH 1064 nm

QTY REQD	FSCM NO.	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	MATERIAL SPECIFICATION
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX±.01 ± .XXX±.005 .XXXX±.0005		CONTRACT NO.		LIGO Project California Institute of Technology Massachusetts Institute of Technology
MATERIAL FUSED SILICA		APPROVALS DRAWN P. KING	DATE 01/29/99	PSL Pre-stabilized Laser
FINISH		CHECKED	ISSUED	REFERENCE CAVITY SPACER
NEXT ASSY	USED ON	SIZE B FSCM NO.		PSL DWG. NO. LIGO-D980670-00-D
APPLICATION		DO NOT SCALE DRAWING		SCALE 1:1
				SHEET 1 of 2

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED



NOTES:

- 1 INCH DIAMETER x 0.25 INCH THICK CONCAVE MIRROR
WEDGE ANGLE < 30 MINUTES
RADIUS OF CURVATURE = 500 MILLIMETERS
TRANSMISSION = 300 ± 30 PPM
LOSS < 30 PPM
BACK SURFACE ANTI-REFLECTION COATED SUCH THAT REFLECTIVITY IS LESS THAN 500 PPM FOR 1064 NANOMETERS
- SUPER POLISHED FUSED SILICA SUBSTRATES
- RESEARCH ELECTRO-OPTICS
1855 SOUTH 57TH COURT
BOULDER, CO 80301
PHONE: (303) 938-1960

QTY	FSCM	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	MATERIAL SPECIFICATION
			PARTS LIST	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± ± ±		CONTRACT NO.		
MATERIAL		APPROVALS	DATE	
DYNASIL 1101		DRAWN P. KING	01/29/99	REFERENCE CAVITY MIRROR
FINISH		CHECKED	ISSUED	
SUPER POLISH				SIZE D FSCM NO. PSL DWG. NO. REV. LIGO-D980670-00-D
NEXT ASSY	USED ON	APPLICATION		SCALE 10:1 SHEET 2 of 2
		DO NOT SCALE DRAWING		