



COMPONENT SPECIFICATION

TITLE REFERENCE FLAT, AR COATED

APPROVALS:	DATE	REV	DCN NO	BY	CHK	DCC	DATE
DRAWN: G. Billingsley	3-5-98		E980063				
CHECKED:							
APPROVED:							
DCC RELEASE:							

Applicable Documents

LIGO-D970619 Flat, Transmission, 150mm Before Coating, LIGO

Requirements

Physical Configuration

Fabricate to
 LIGO-D970619 Flat, Transmission, 150mm Before Coating, LIGO

Serial Number

Each flat shall be uniquely serialized.

Surface Figure

After coating the flats shall meet the requirements of
 LIGO-D970619 Flat, Transmission, 150mm Before Coating, LIGO

Surface Treatment

Surface A shall be left uncoated.
 Surface B shall be coated AR at 1.064 micrometers, < 0.5% reflectivity

Inspections

Specification	Test Method	Data Delivered
Physical Dimensions: Diameter, Thickness, Wedge angle	Visual Inspection	Certification
Surface Figure	Interferometry	Provide electronic phase map and report PV & rms over 150 mm aperture