



CALIFORNIA INSTITUTE OF TECHNOLOGY
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY

E960109 - A - D

DRWG NO. REV. GID

SHEET 1 OF 1

COMPONENT SPECIFICATION

TITLE

SUBSTRATE, BEAM SPLITTER REWORK

APPROVALS:	DATE	REV	DCN NO	BY	CHK	DCC	DATE
DRAWN: Billingsley				n/a	n/a	n/a	n/a
CHECKED:							
APPROVED:							
DCC RELEASE: <i>[Signature]</i>	5/15/97						

Applicable Documents

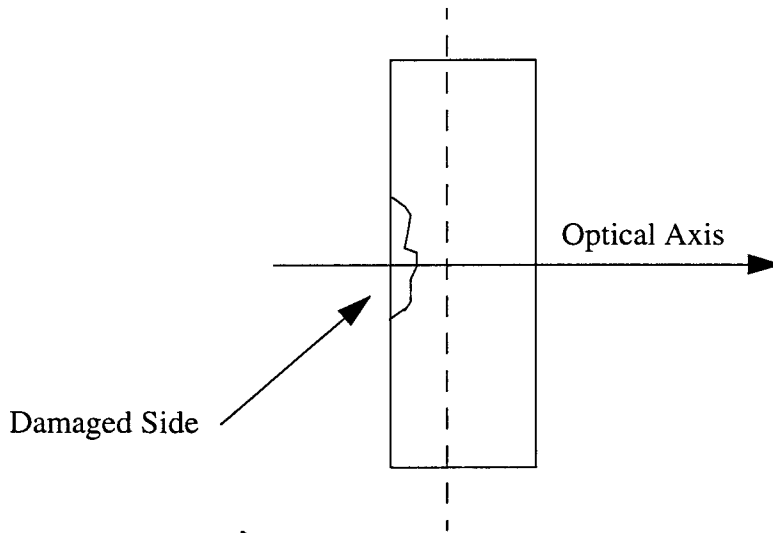
LIGO-D960793-B-D

Beam Splitter Blank

Requirements

Fabricate from damaged core optic blank SN. COC-A010: To be supplied by Caltech.
 Material: fused Silica, Corning 7980, Grade 0AA, Nominal Size 250 mm X 100 mm.

Cut away damaged surface leaving both pieces intact.



COC-A010

From the undamaged piece fabricate blank in accordance with LIGO-D960793-B-D, Beam Splitter Blank.

Out of tolerance diameter due to insufficient material is acceptable.

No top arrow marking is necessary (zone 3C).

Final shaping shall be performed using a progression of grit size ending with a 320 or smaller grit wheel.

Maximum chip or defect on any corner shall be less than 0.5 mm

Return all material to LIGO.