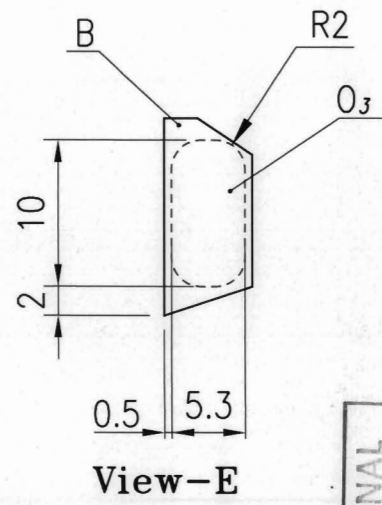
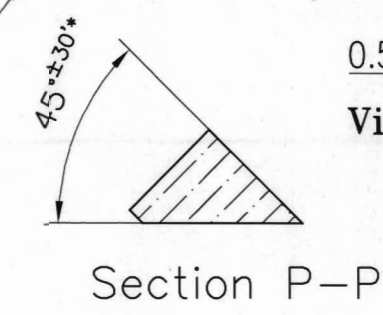
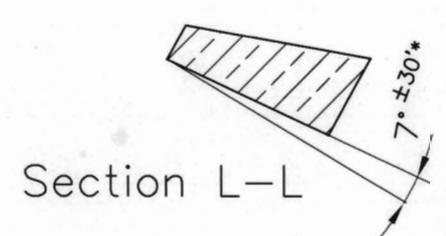
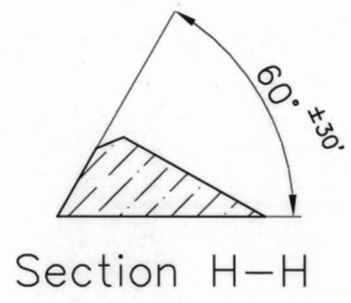
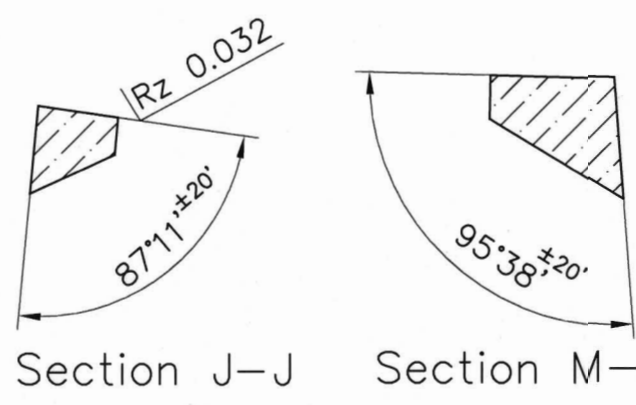
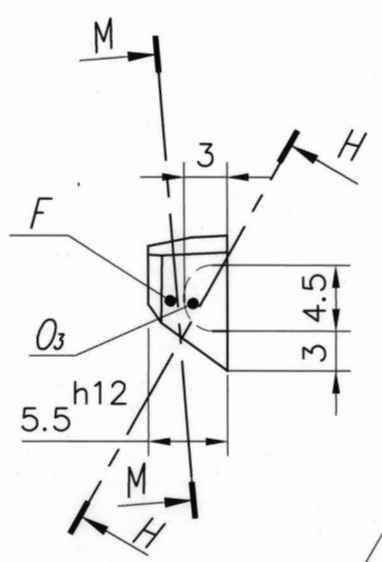
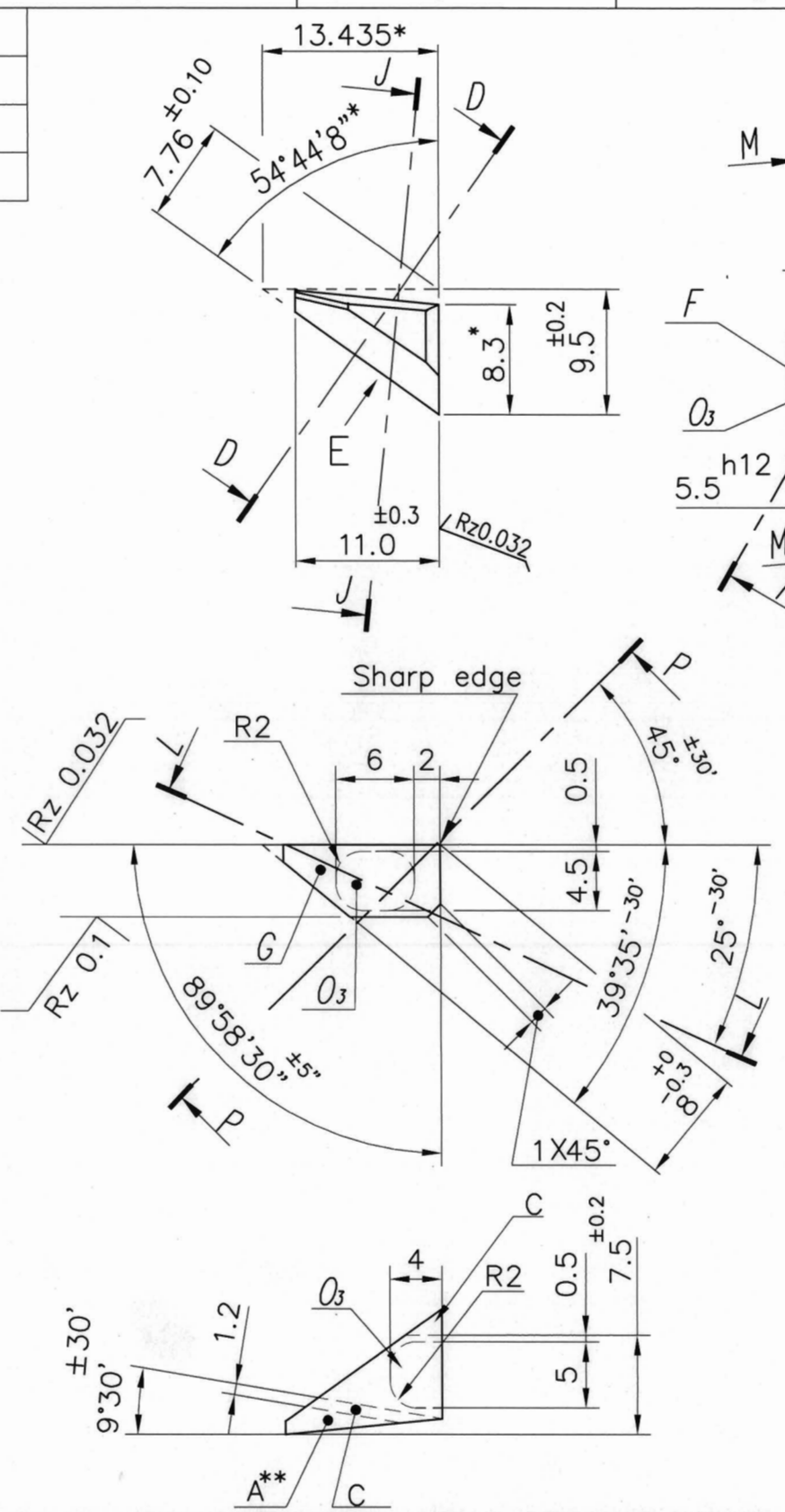


8	7	6	5	4	3	2	1

N _A	λ/4
ΔN _A	λ/10
N _{F,B,G}	λ
ΔN _{F,B,G}	λ/4



Optical Assembly ILG 300
M/CCB. No.: 108.3/571/14
Checked.: *[Signature]*
Approved.: *[Signature]*

Notes:-

- Inclusion grade : Class '0'
 - Homogeneity grade : 0.5×10^{-6} (grade AA)
 - Bubble class : '0'
 - Double refraction is to be 4nm/cm (max.)
 - No chippings and cracks on any of the surfaces.
 - On the edge of A & F surfaces, chippings are not allowed under 16x magnification.
 - Cosmetic quality : Zone O₃: 10-5, Outside Zone: 20-10
 - Chamfers on the edge : $0.3^{+0.10} \times 45^\circ$
 - Chamfers on the corners : $1.0^{+0.3} \times 45^\circ$
 - Surface C is to be coated with Yttrium Fluoride (99.99%) coating with thickness $1.0^{+0.1}$ micron and qualified as per IISU/TR/1772/2016
 - All surface quality parameters shall conform to MIL PRF 13830B
- * Dimensions for information
** Surface 'A' Quality is to be provided before coating.

HET/ORIGINAL

DO NOT SCALE THE DRAWING
ASK IF IN DOUBT
UNLESS OTHERWISE SHOWN
ALL DIMENSIONS ARE IN MILLIMETERS
REMOVE SHARP EDGES AND BURRS
CHAMFER 1 mm X 45°
MACHINING FINISH IN MICRONS
▽ 8 - 25 ▽ 1.6 - 8
▽▽▽ 0.025 - 1.6 ▽▽▽▽ <0.025

REV NO.	ZONE	DESCRIPTION	SIGN	DATE
02		Note No.6 modified as per CCB No. M108.3.1/01/24 dt.30.01.24	Sudha	05.02.24
01		Drawing modified as per CCB No. M78.1.12/12/20 dt.24.12.20	Siva	12.01.21

DRN.	SIVA	14.6
DGN.	Team	
DRG.	<i>[Signature]</i>	5/2/24
DGN.	<i>[Signature]</i>	
QA	<i>[Signature]</i>	7/2/24
APPD.	<i>[Signature]</i>	7/2/24
2016	SIGN	DATE

TITLE		COMBINING PRISM		MATERIAL		Corning 7980 ArF Grade Fused silica	
GOVERNMENT OF INDIA INDIAN SPACE RESEARCH ORGANISATION ISRO INERTIAL SYSTEMS UNIT TRIVANDRUM				PROJECT	No.OFF	WT.Kg.	
				ILG 300	1		
DRG.NO.		9412 073 03A 12		REV. No.		02	
SCALE		SHEET OF		A3			

File no. 941207303A12