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DiYPRO
Fresnel Factory.com
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Glass-silicon on Fresnel condenser lens (SOG)

Glass-silicon on Fresnel condenser lens and solar panels generally use the box design approach that we can achieve the best results. Solar arrays using Fresnel condenser lens can achieve long term exposure by high precision optical components, suitable for outdoor air in the work environment.
With silicone gel mold attached onto the ultra-white toughened glass surface of Fresnel lens , users will achieve high-precision thin thread forming process, resulting following benefits

- ensured high refractive index,
- minimize optical losses
- high-intensity/ transmittance and
- anti-aging/anti-ultraviolet radiation

Comparably, SOG(Silicon on Glass) has several times better climate resistance characteristics than PMMA (Optical Acrylic), as it can take greater heat temperature (180℃ vs. 60℃) without deformation of lens pattern.
Based on customer's requirement on solar panel, Fresnel Factory (Diypro) provides various customizations, such as modification on size of lens, incidence angle, distance between lens and solar panels, etc.

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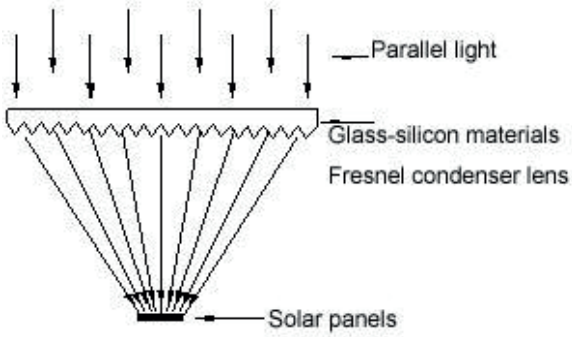
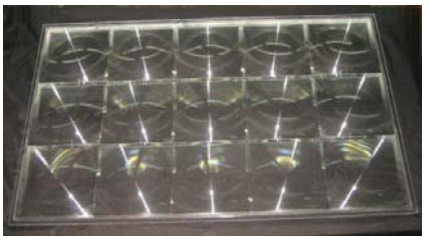
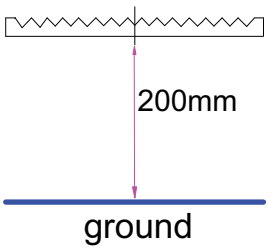
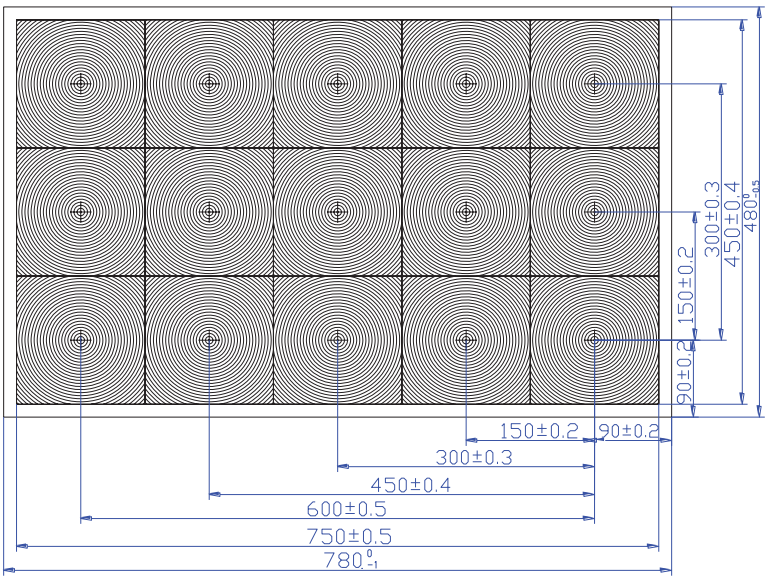
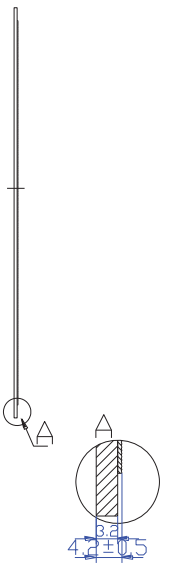


CG200-780



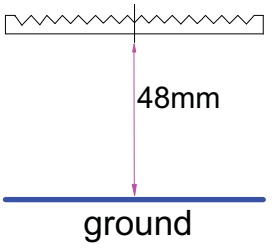


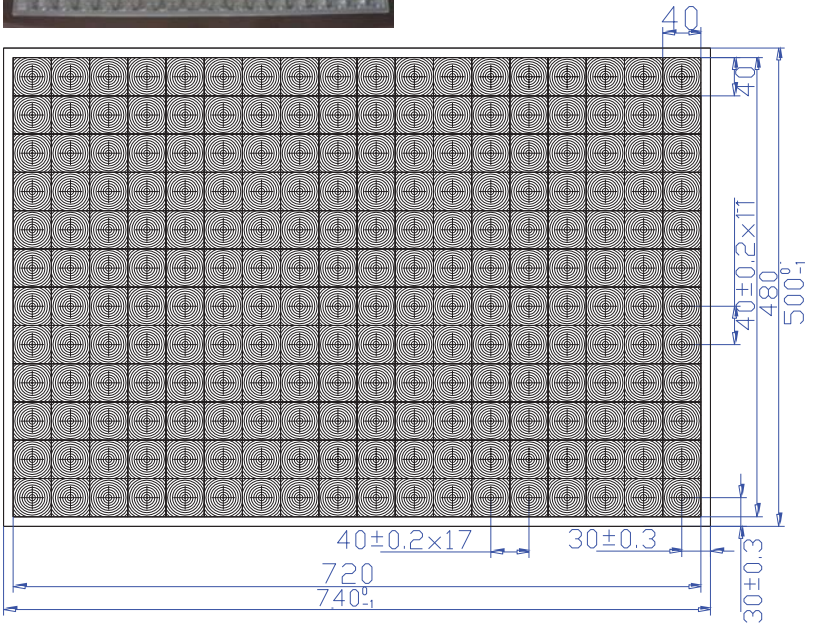


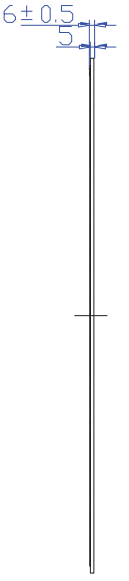


FOCUS	200
PITCH	
MATERIAL	Glass-silicon
UNIT	mm
TYPE	CPV

CG48-740

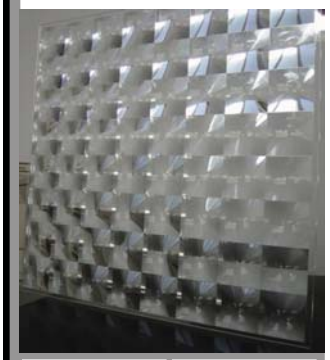




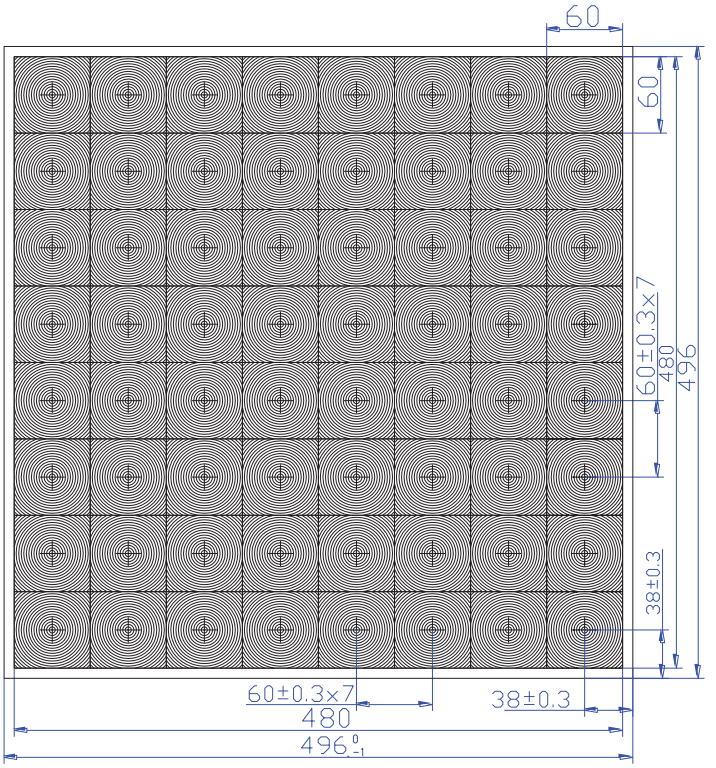


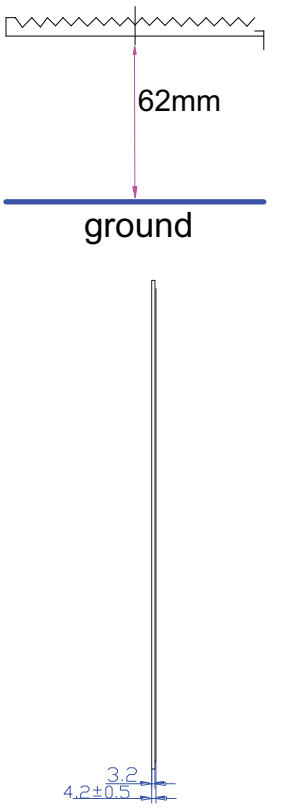
FOCUS	48
PITCH	0.3
MATERIAL	Glass-silicon
UNIT	mm
TYPE	CPV

CG62-496



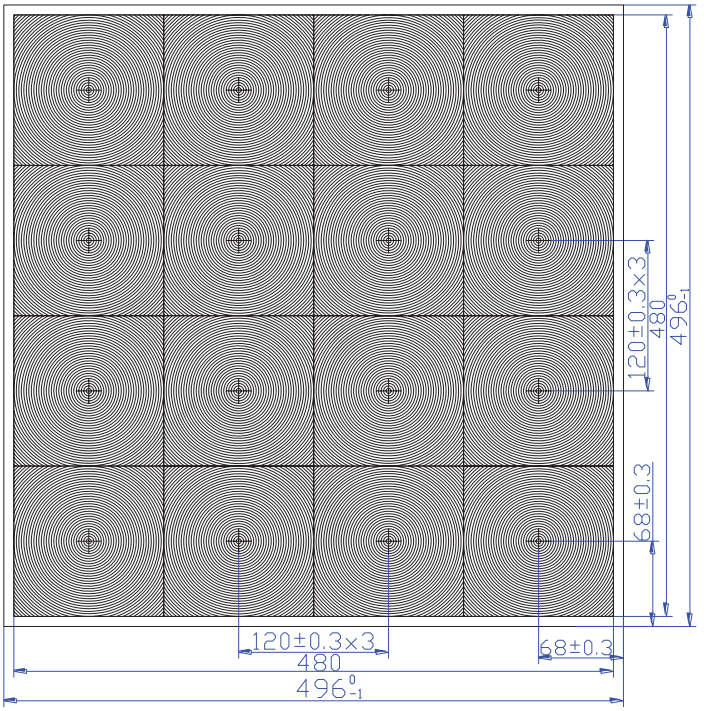
FOCUS	62
PITCH	0.3
MATERIAL	Glass-silicon
UNIT	mm
TYPE	CPV

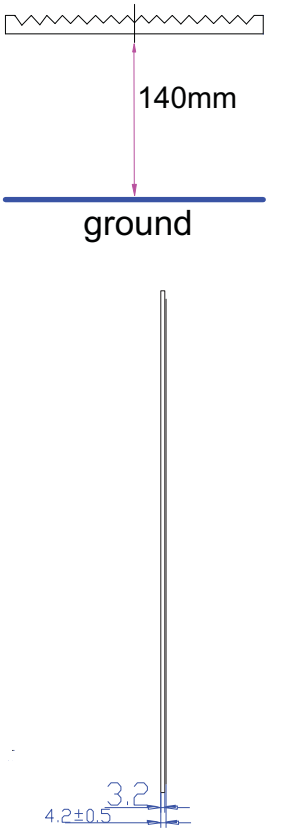




CG140-496

FOCUS	140
PITCH	0.3
MATERIAL	Glass-silicon
UNIT	mm
TYPE	CPV





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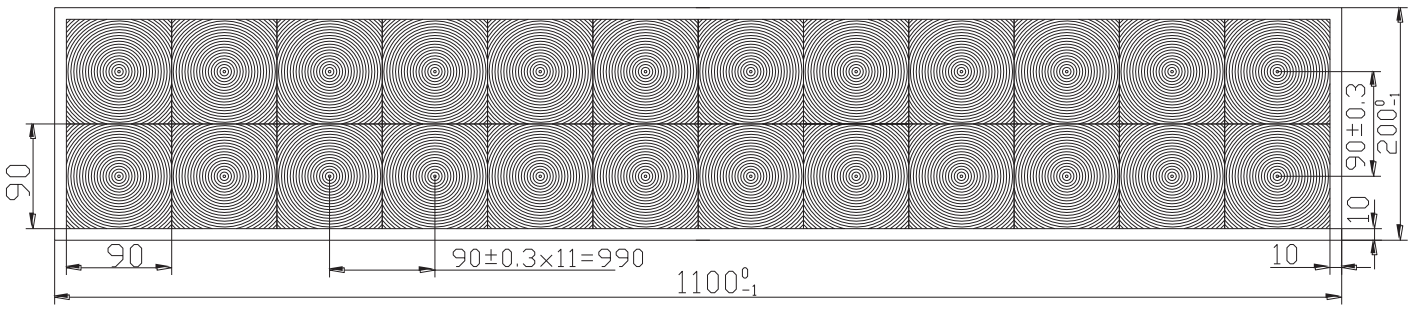
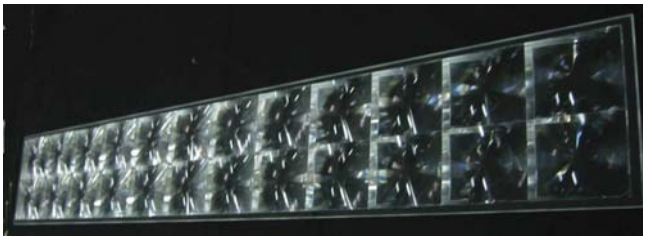
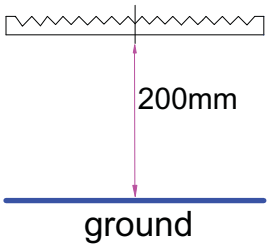
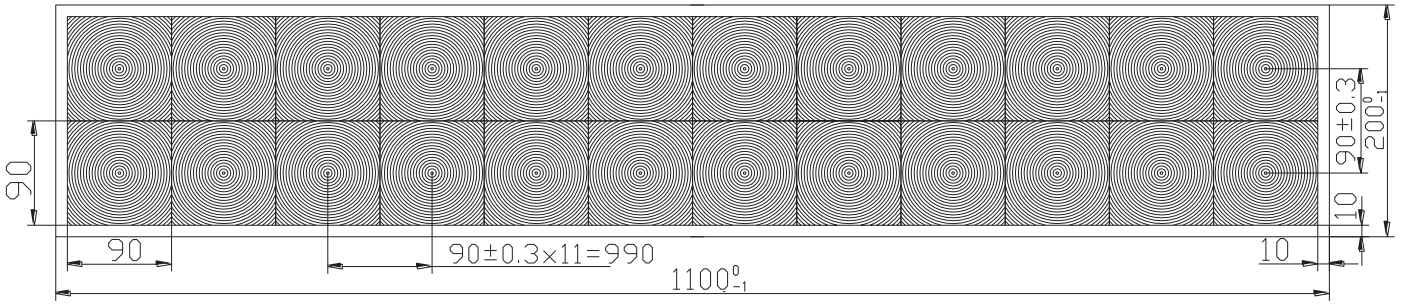


FOCUS	127
PITCH	0.3
MATERIAL	Glass-silicon
UNIT	mm
TYPE	CPV

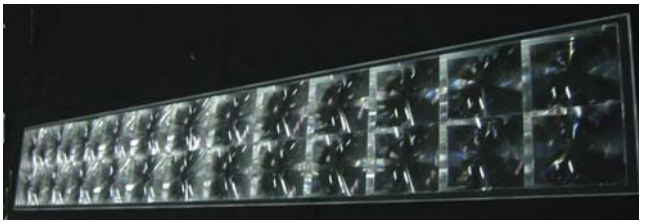


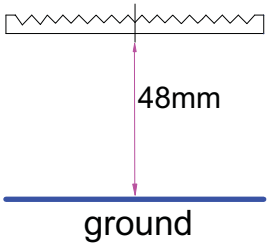


CG114-1100

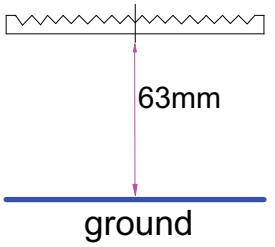


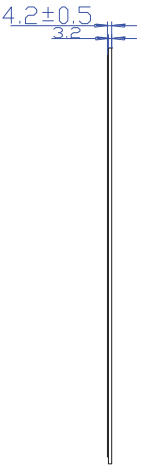
FOCUS	114
PITCH	0.3
MATERIAL	Glass-silicon
UNIT	mm
TYPE	CPV

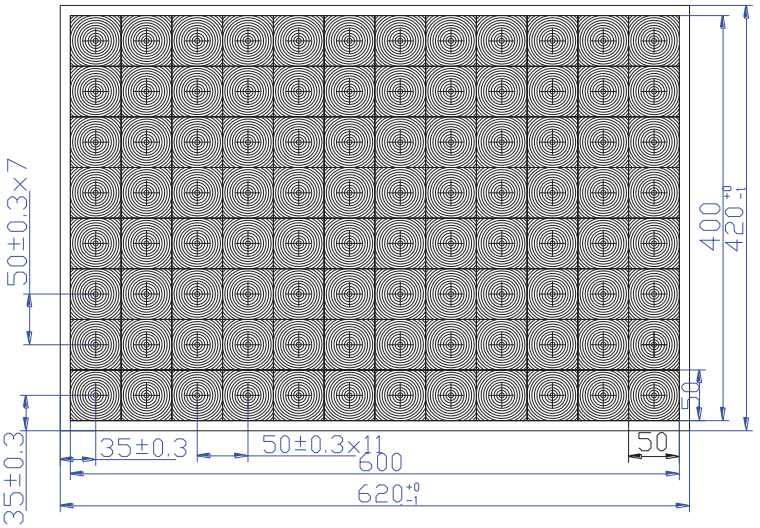




CG63-620

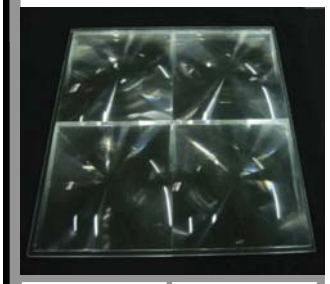


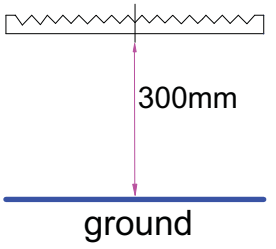


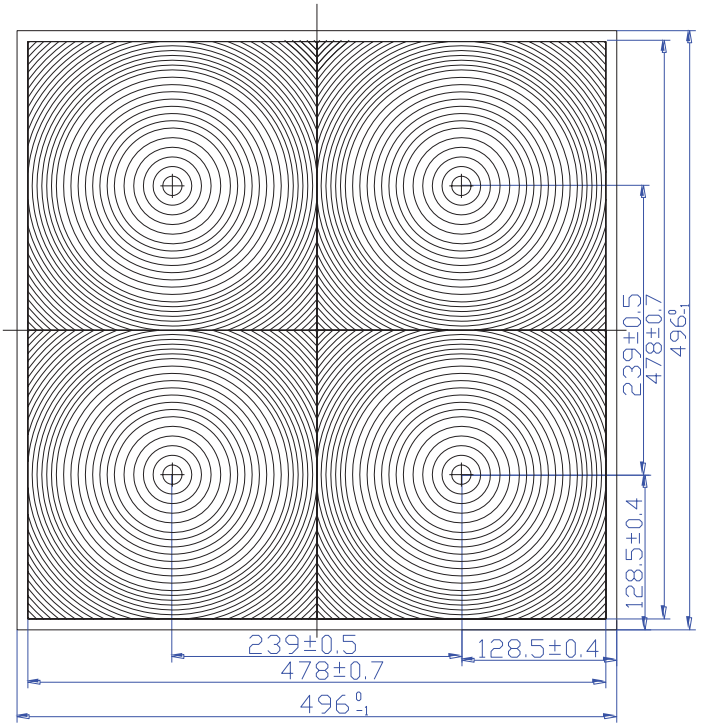


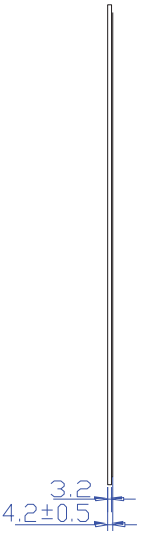
FOCUS	63
PITCH	0.3
MATERIAL	Glass-silicon
UNIT	mm
TYPE	CPV

CG300-496



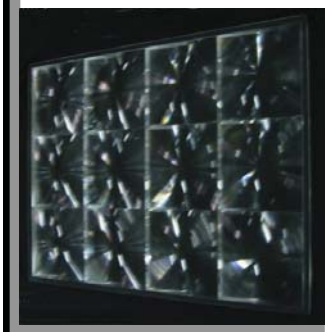




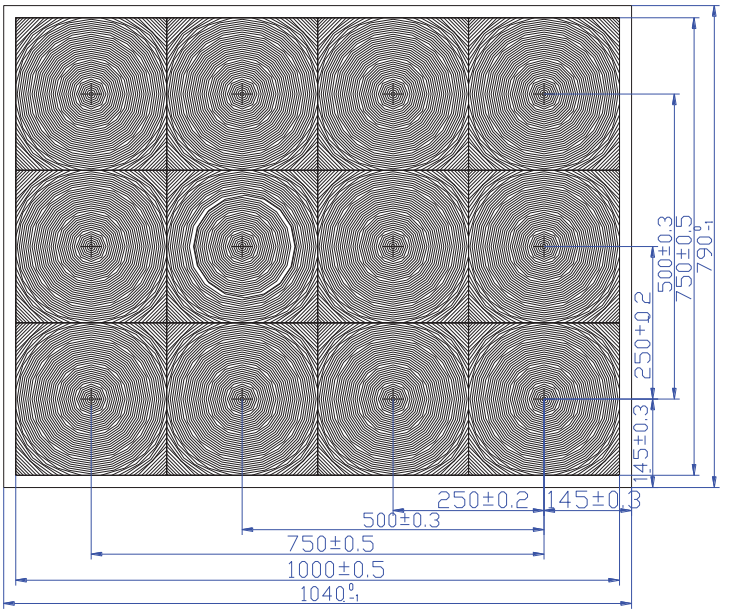


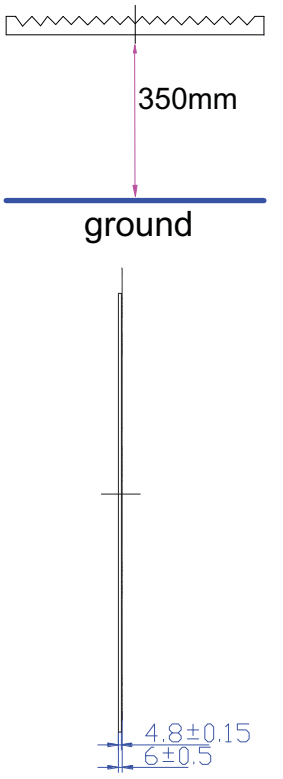
FOCUS	300
PITCH	
MATERIAL	Glass-silicon
UNIT	mm
TYPE	CPV

CG350-1040



FOCUS	350
PITCH	0.5
MATERIAL	Glass-silicon
UNIT	mm
TYPE	CPV





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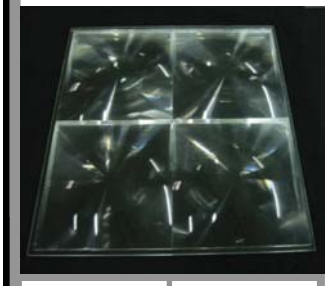
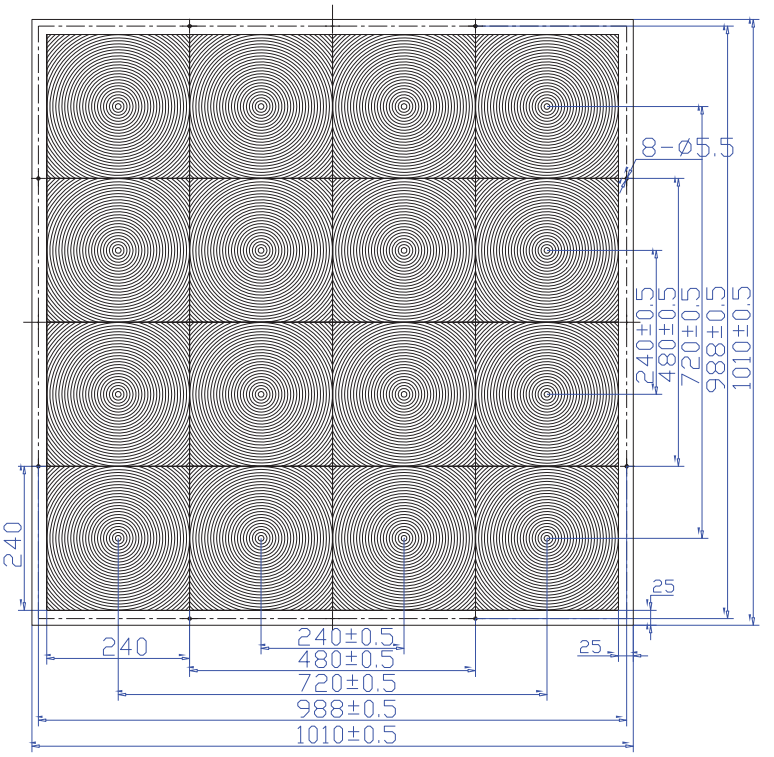
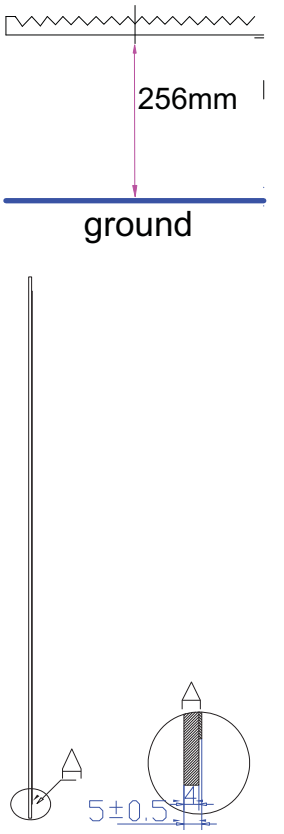


FOCUS	256
PITCH	1
MATERIAL	Glass-silicon
UNIT	mm
TYPE	CPV





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