



## **Preparations for the installation of the new CERN hollow electron gun prototype (CHG-16-sc-g) in the Fermilab electron-lens test stand**

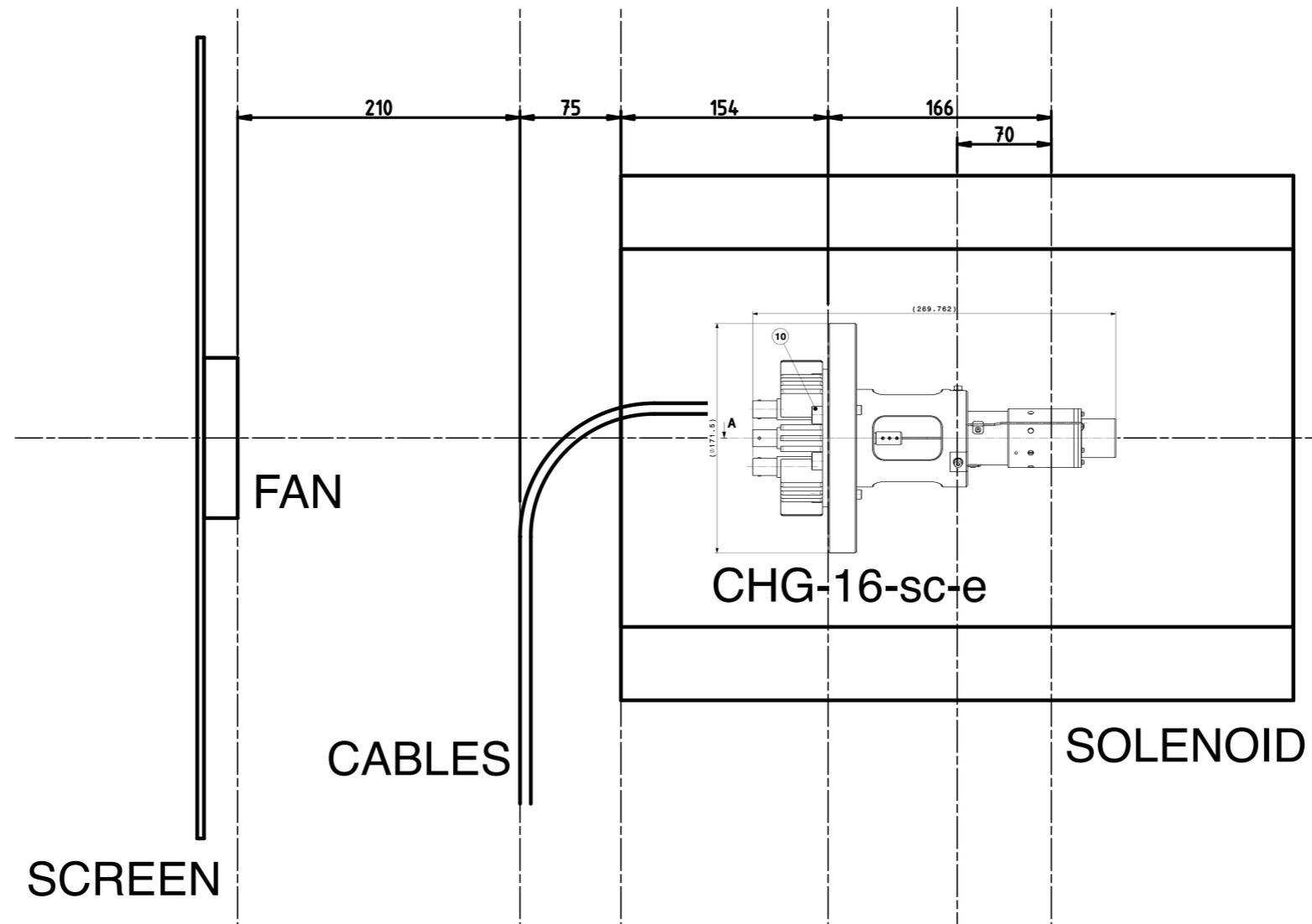
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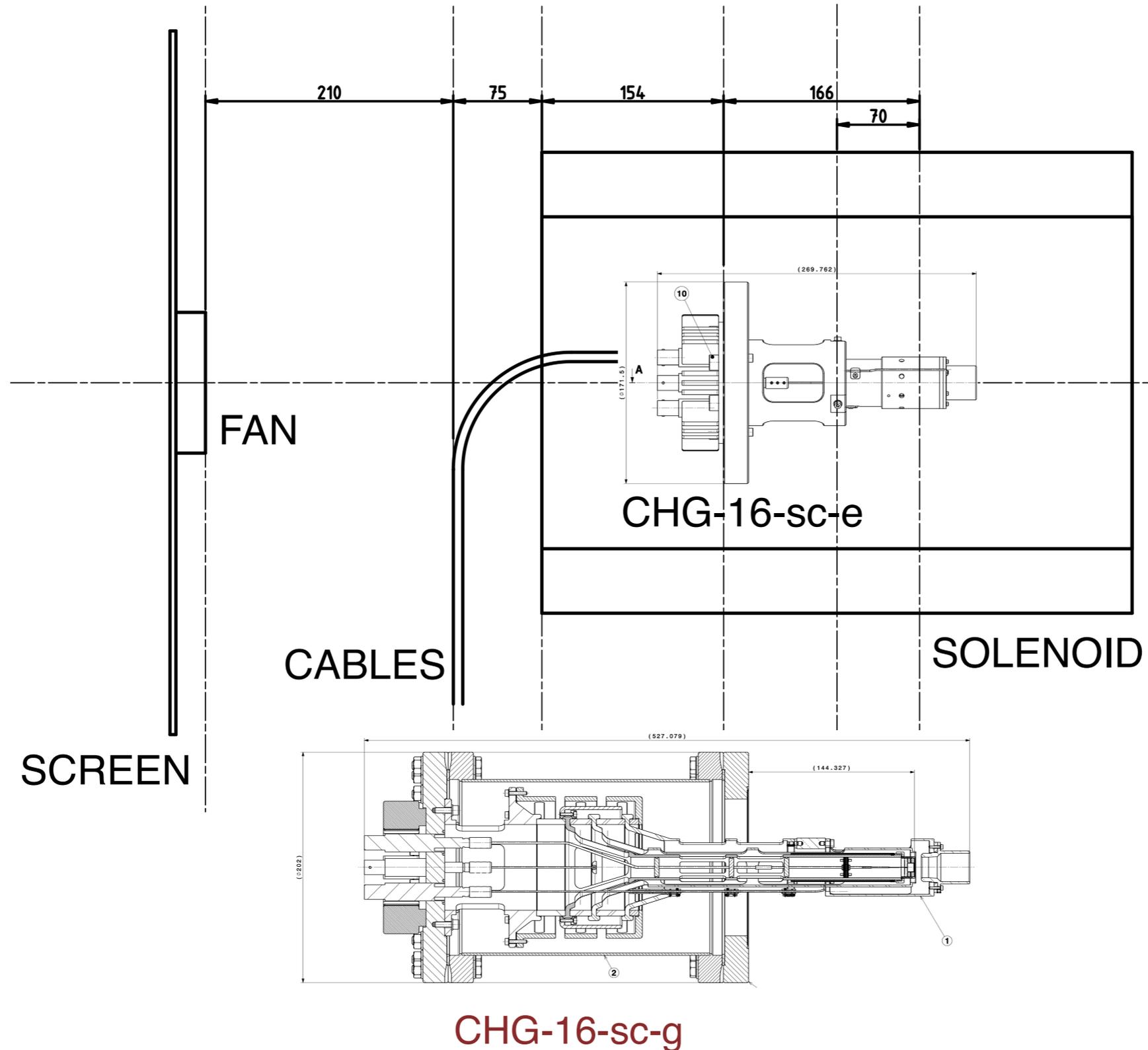
# Clearance in the Fermilab electron-lens test stand

Present configuration. Measurements with respect to the outer flange surface. The distance between flange and cathode surface (166 mm) was estimated from the drawings.



We have about 210 mm upstream for comfortable cable routing. The cathode surface is already about 70 mm downstream of the center of the solenoid.

# Clearance in the Fermilab electron-lens test stand



# Photograph of the region between fan and solenoid



# Photograph of the region between fan and solenoid

