

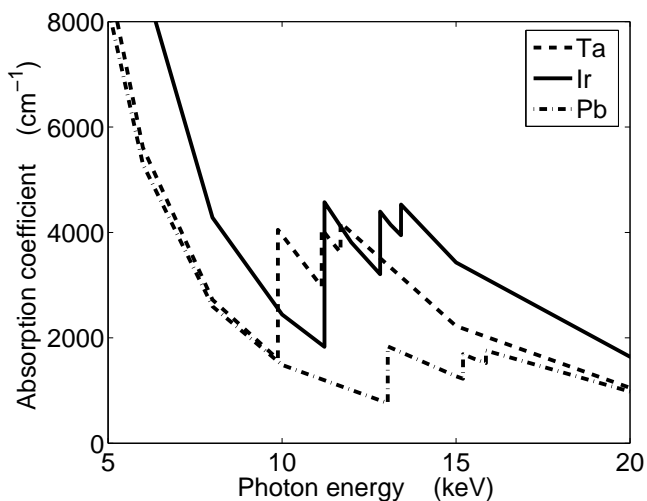
# Supplementary Material to “A Sample Holder for Small-Angle X-ray Scattering Static and Flow Cell Measurements”

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February 3, 2006

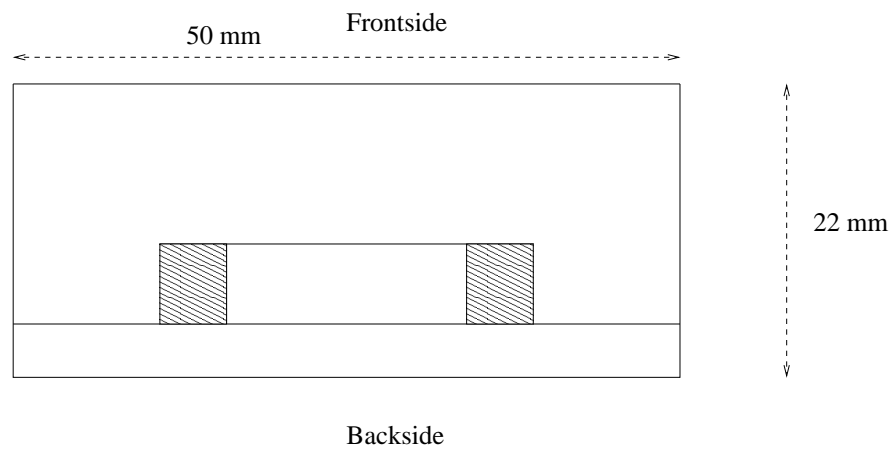
Departments of <sup>1</sup>Physics and <sup>2</sup>Applied Physics, and Biophysics Program<sup>4</sup>, Geballe Laboratory of Advanced Materials, Stanford University, Stanford, California 94305, USA  
<sup>3</sup>Experimental Facility Division, Argonne National Laboratory, Argonne, IL 60439, USA

## X-ray absorption coefficients for selected metals

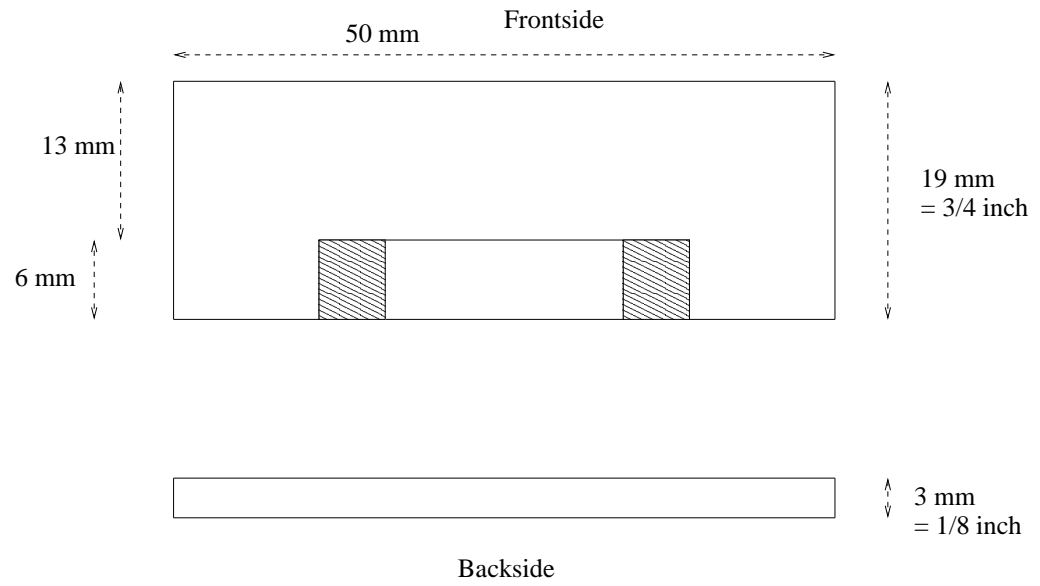


X-ray absorption coefficients  $\mu$  are computed from the cross-section  $\sigma$  and density  $\rho$  as  $\mu = \sigma \cdot \rho$ . Values for the cross sections and mass densities were taken from the National Institute of Standards and Technology “XCOM Photon Cross Sections Database” (<http://physics.nist.gov/PhysRefData/Xcom/Text/XCOM.html>).

### Top view – assembled



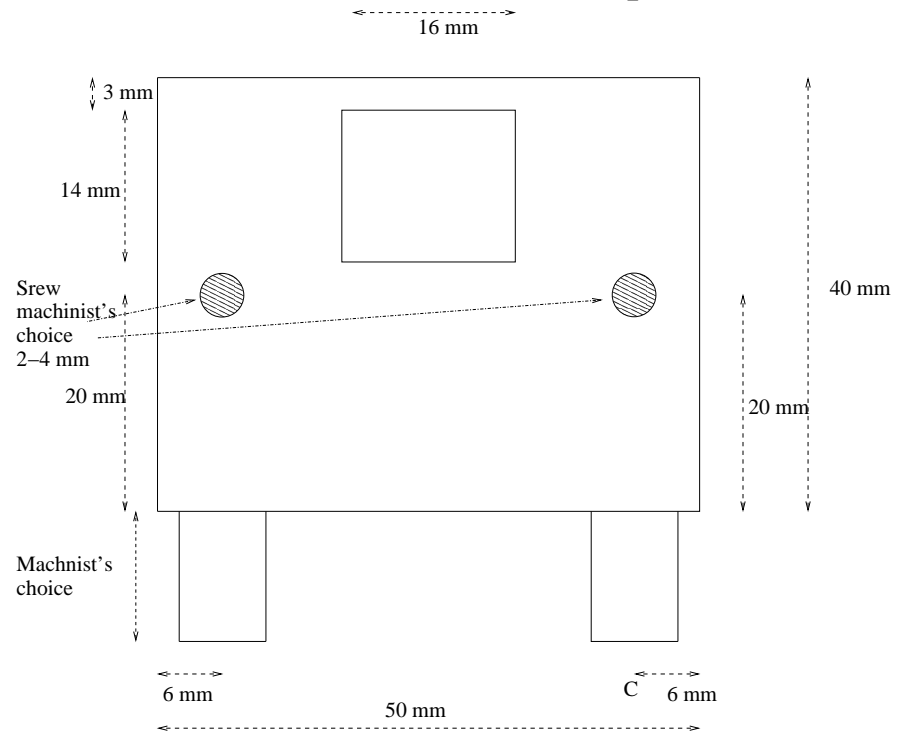
# Top view – 2 pieces: main part and cover plate



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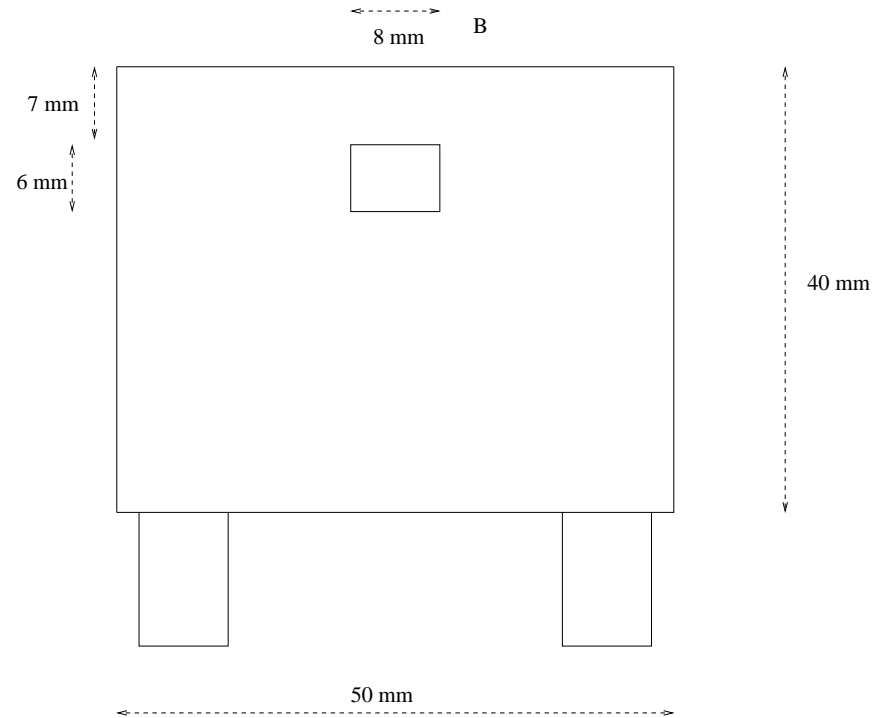
Doniach lab – Sample holder – CELL HOLDER

# Back view – look unto cover plate



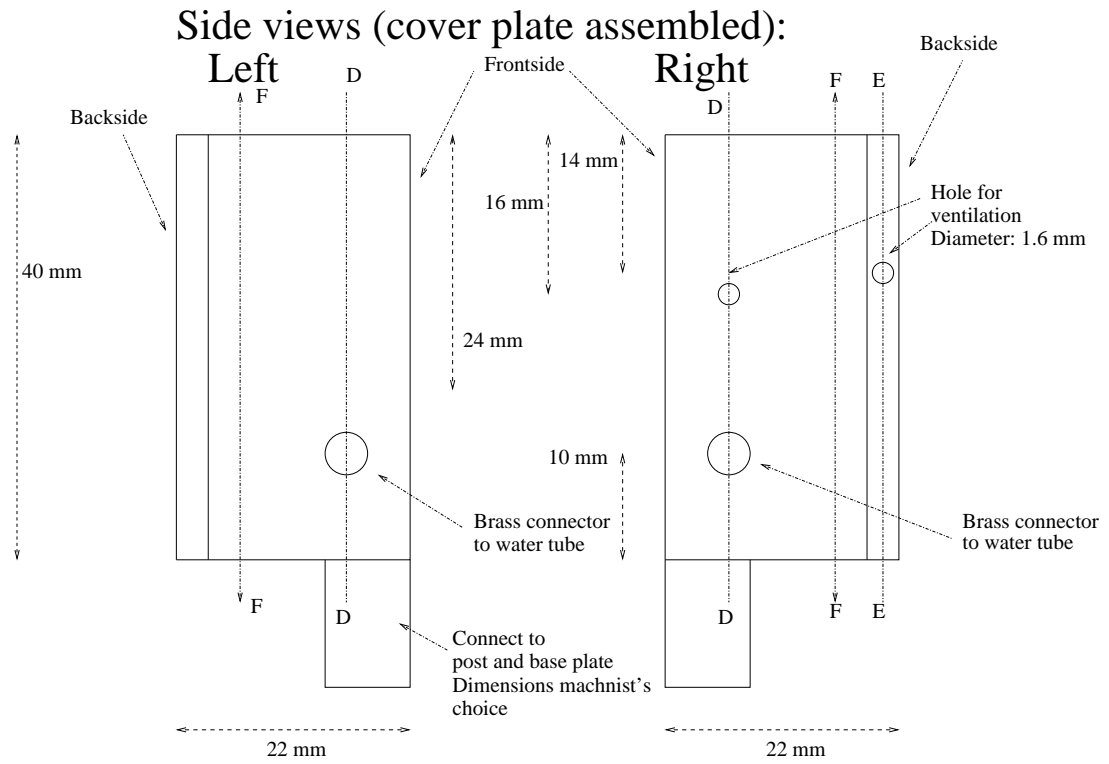
Doniach lab – Sample holder – CELL HOLDER

Front view – look unto main part



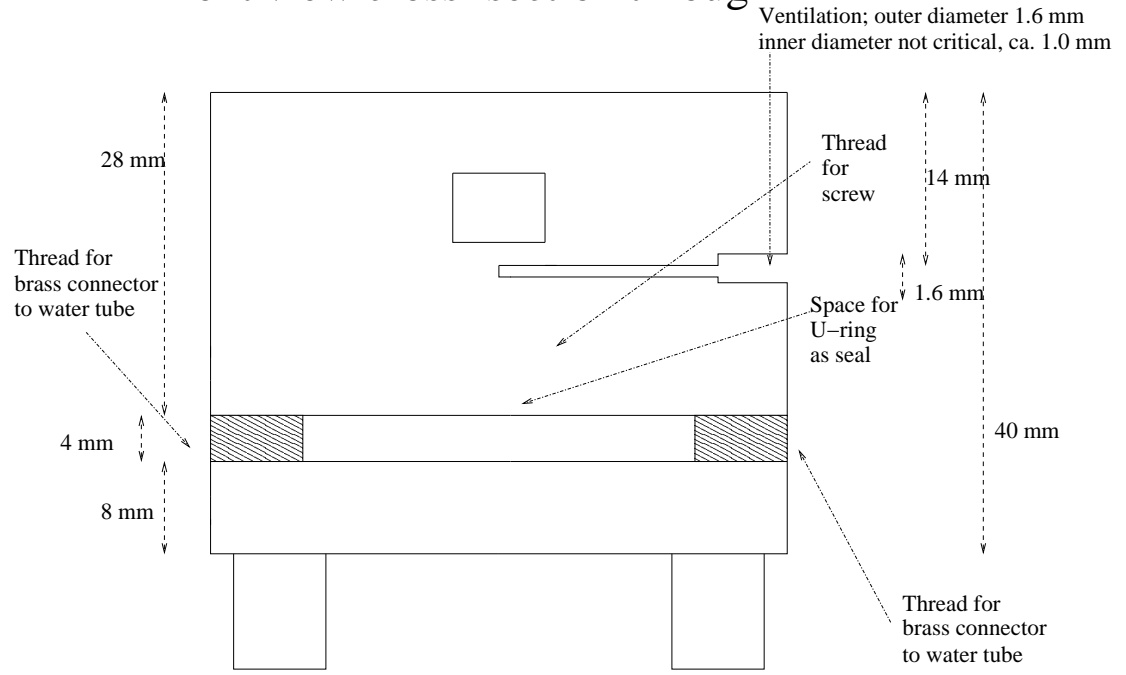
Doniach lab – Sample holder – CELL HOLDER

CT



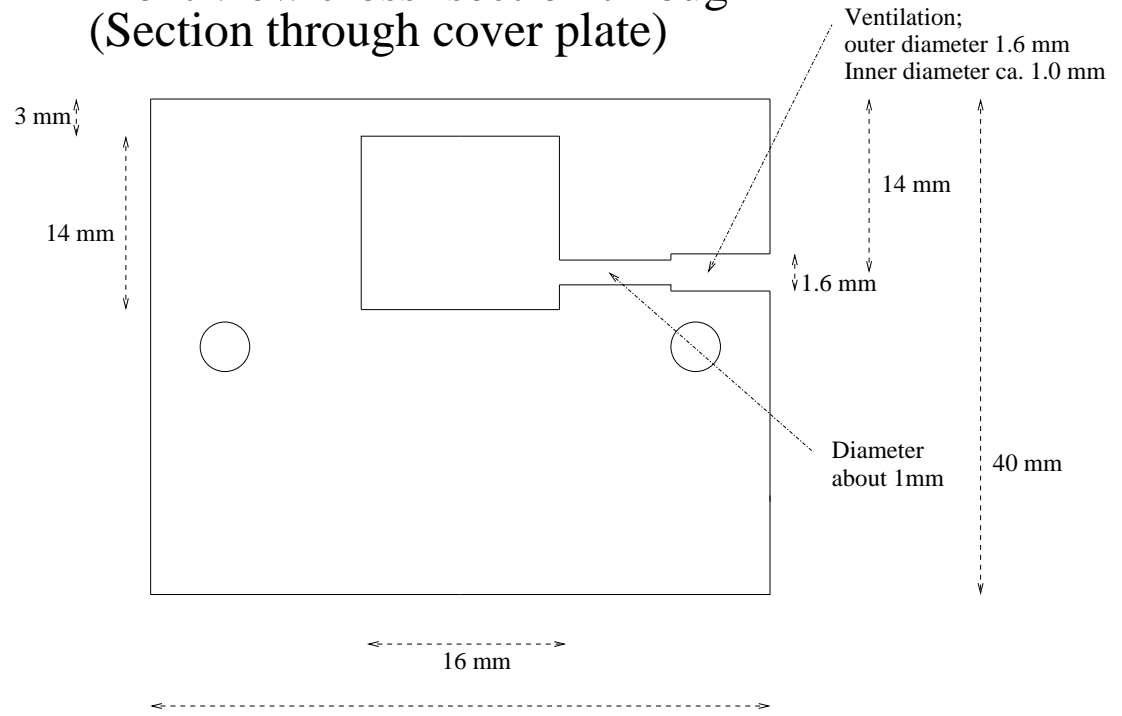
Doniach lab – Sample holder – CELL HOLDER

# Front view cross-section through D-D



Doniach lab – Sample holder – CELL HOLDER

# Front view cross-section through E-E (Section through cover plate)



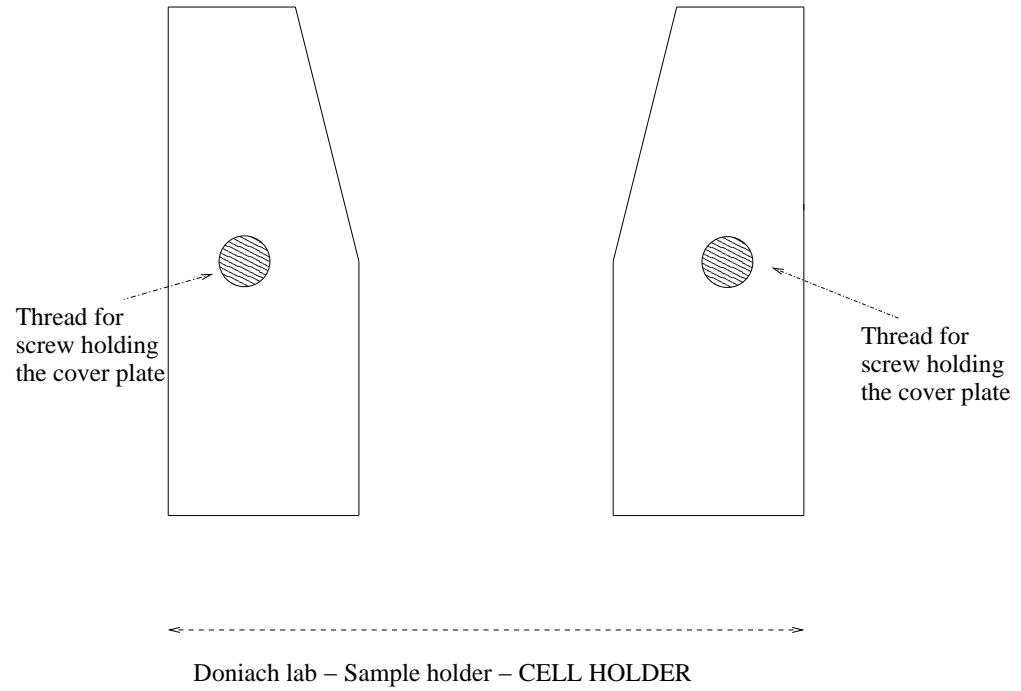
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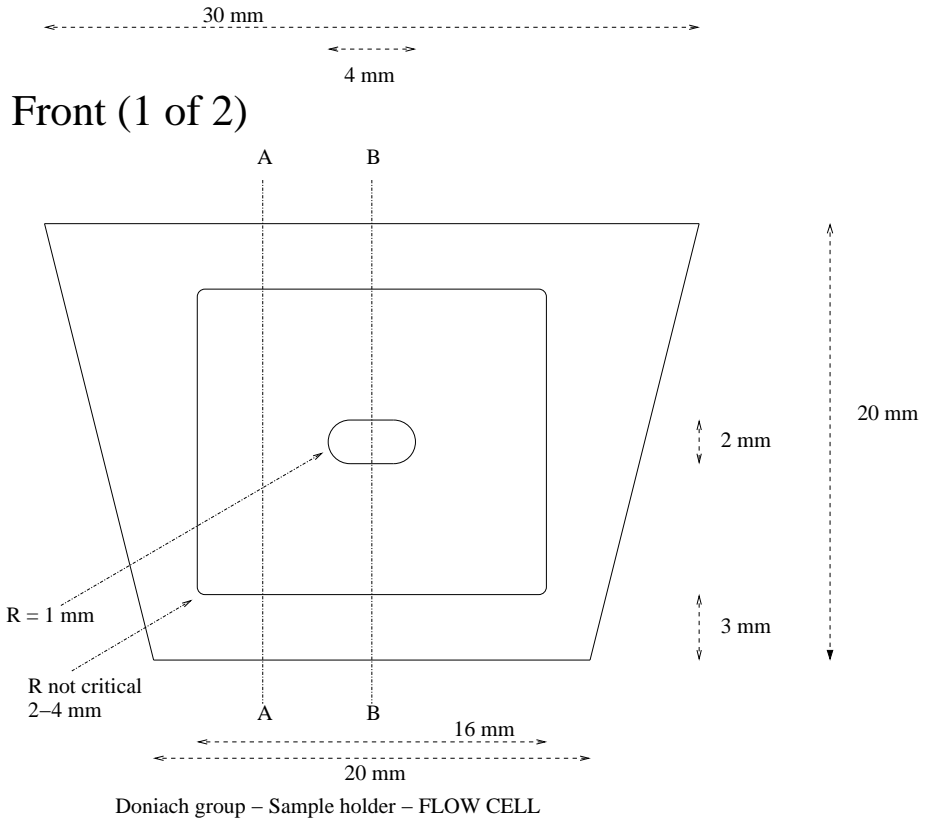
Doniach lab – Sample holder – CELL HOLDER

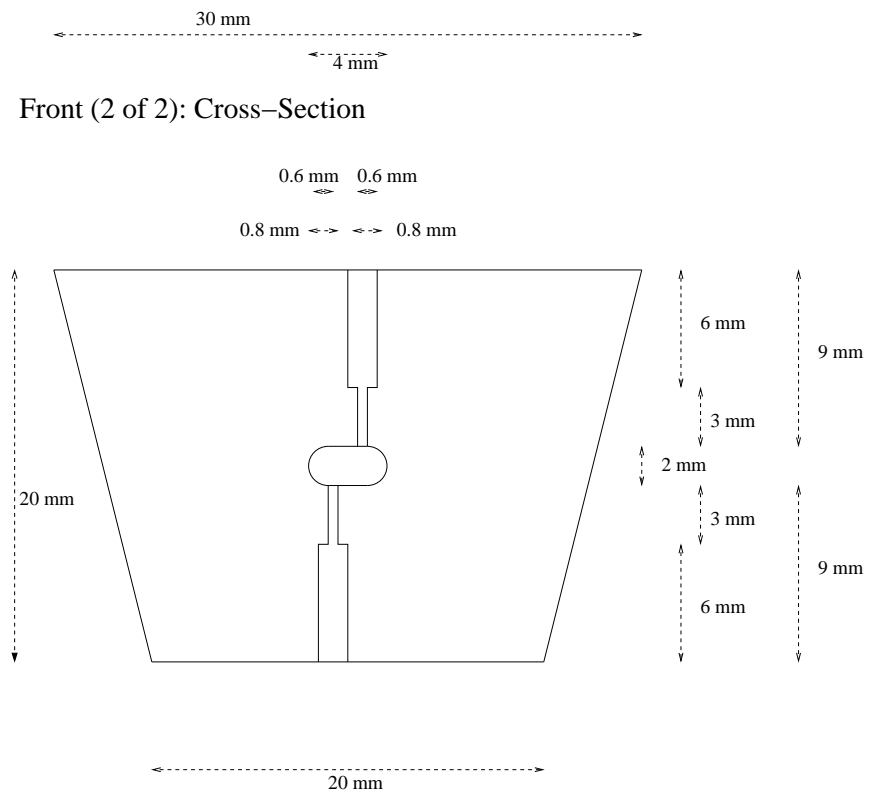


# Front view cross-section through F-F (Section through slot for cell)

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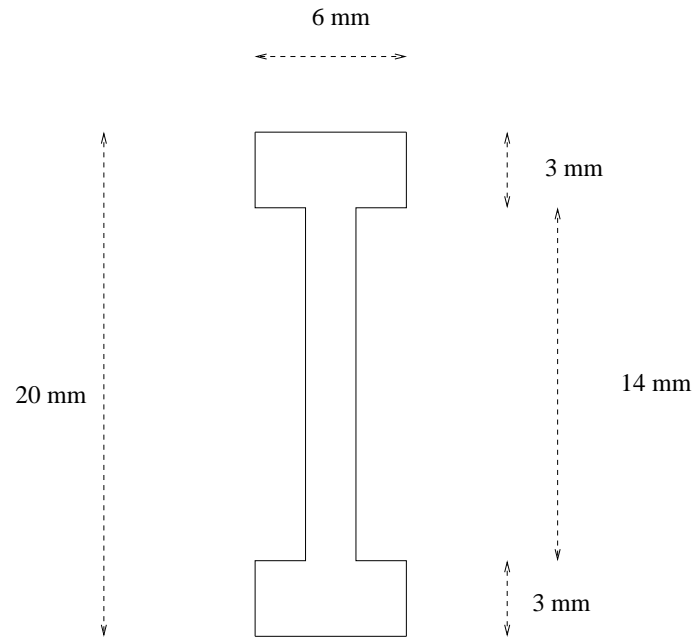






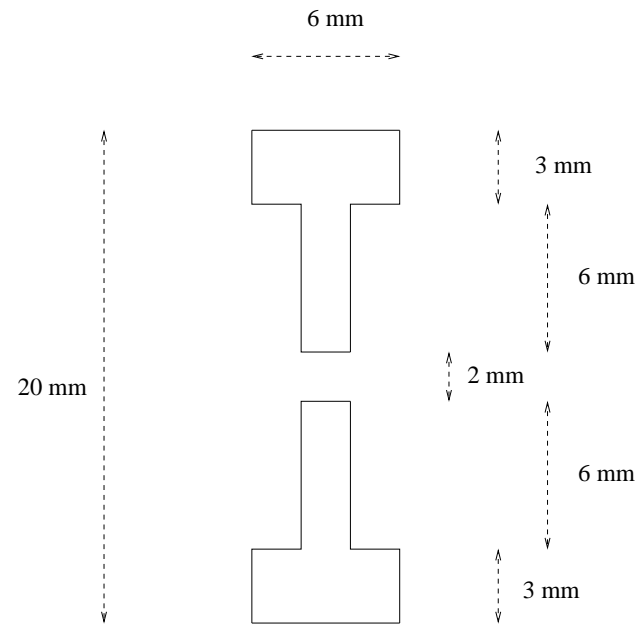
Doniach group – Sample holder – FLOW CELL

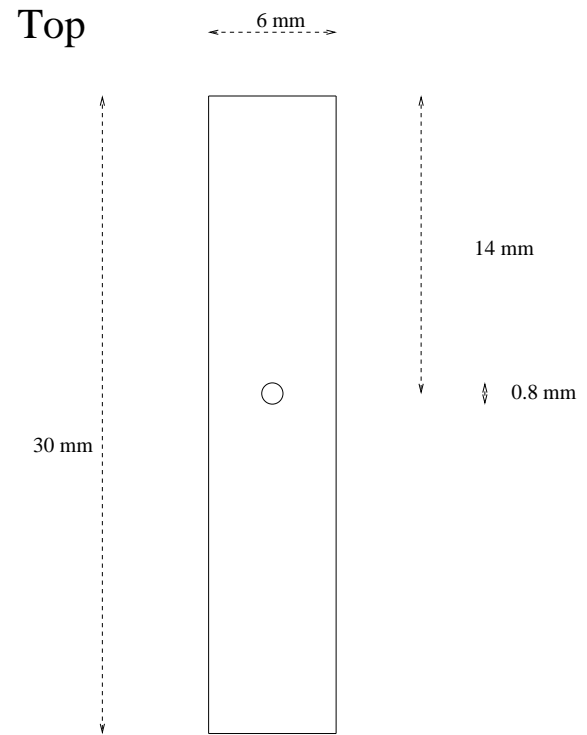
# Side: Cut through A–A



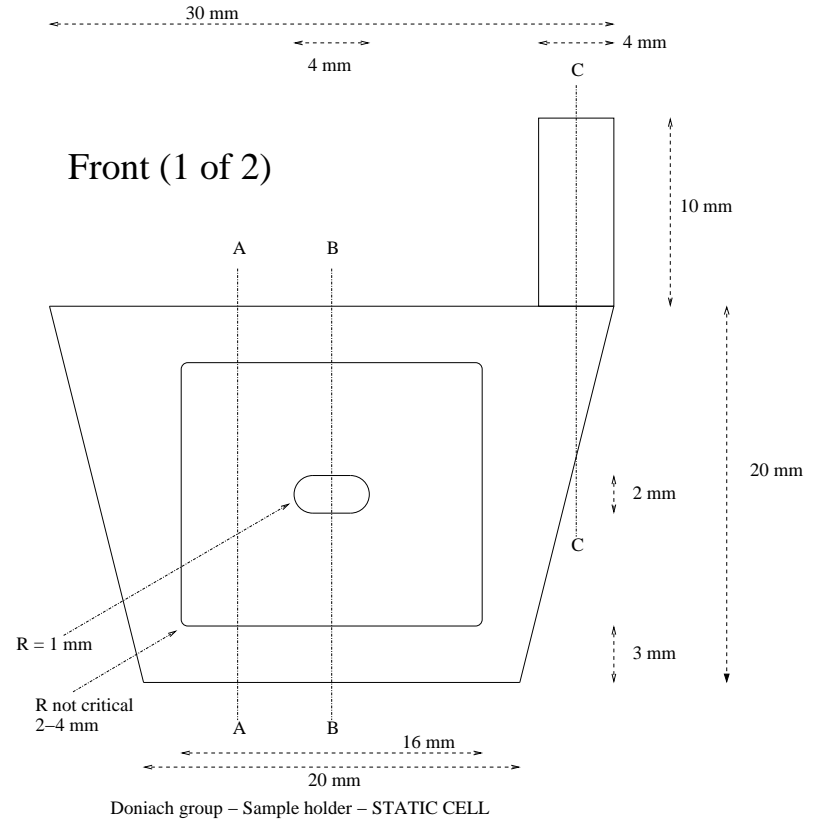
Doniach group – Sample holder – FLOW CELL

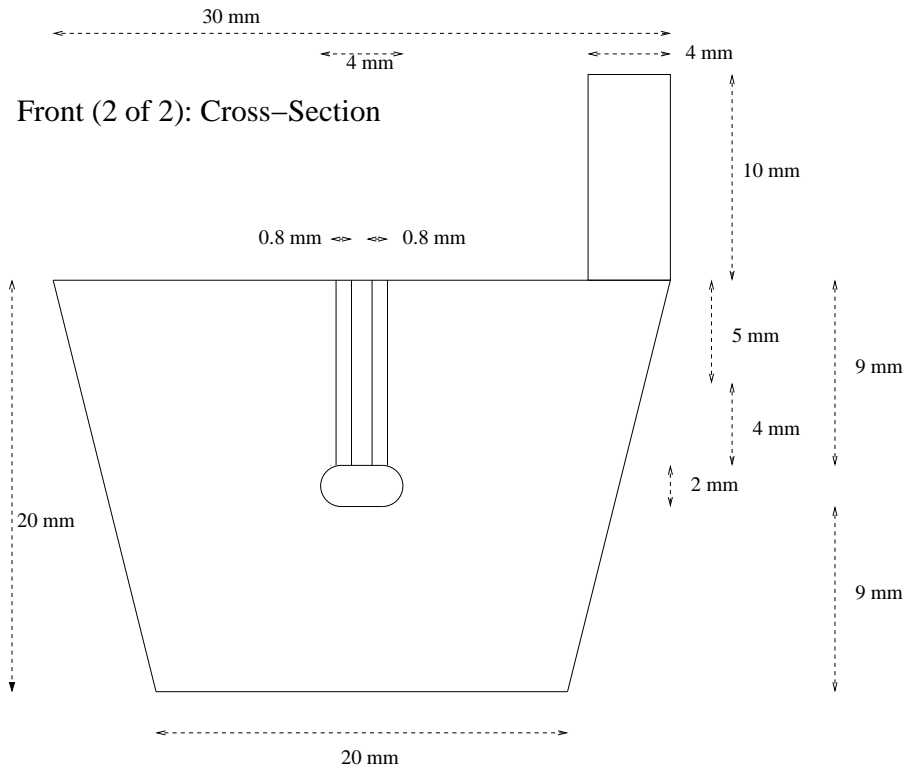
# Side: Cut through B-B





Doniach group – Sample holder – FLOW CELL

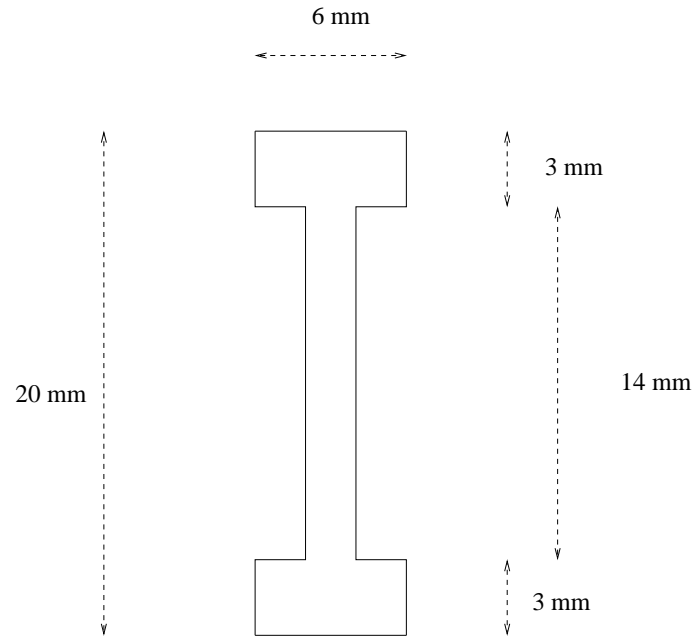




Doniach group – Sample holder – STATIC CELL



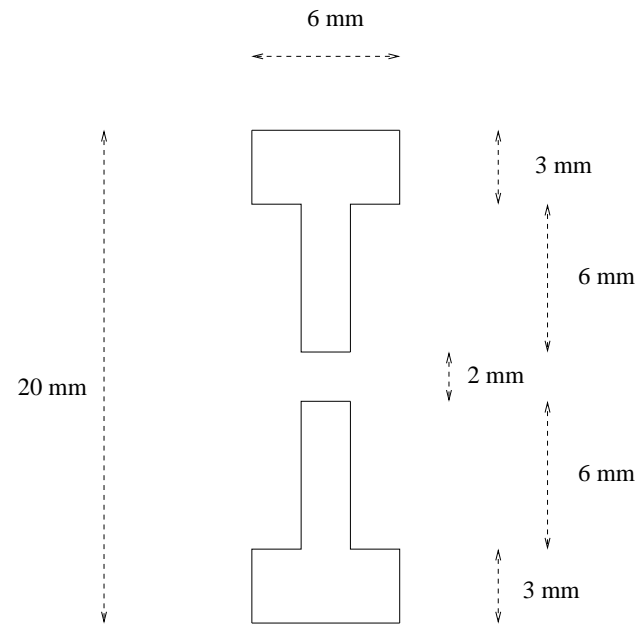
# Side: Cut through A-A



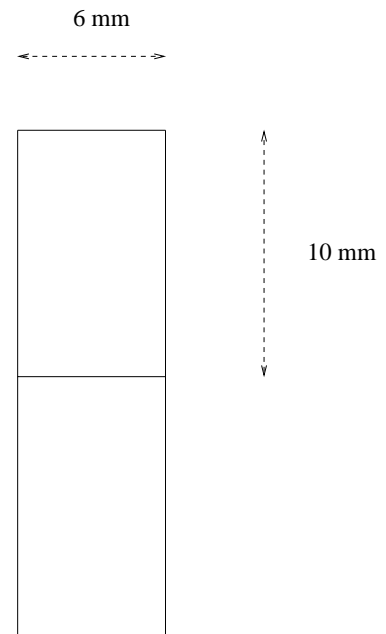
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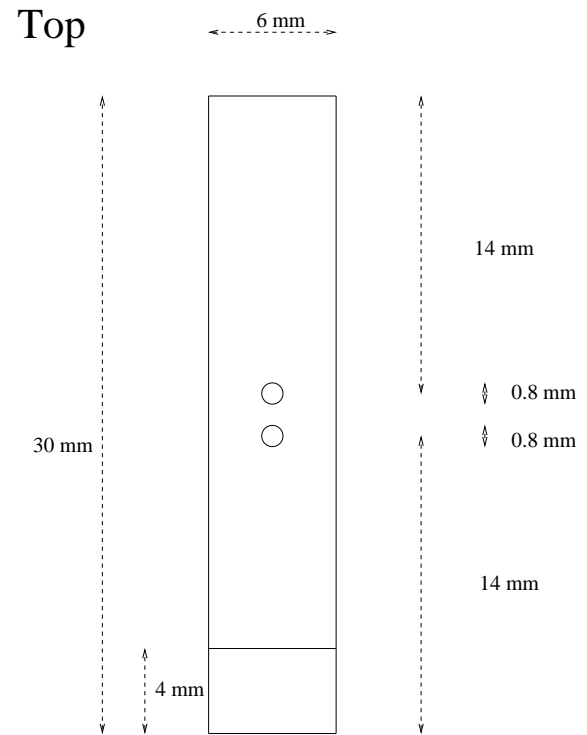
Doniach group – Sample holder – STATIC CELL

# Side: Cut through B-B



# Side: Cut through C-C





Doniach group – Sample holder – STATIC CELL