

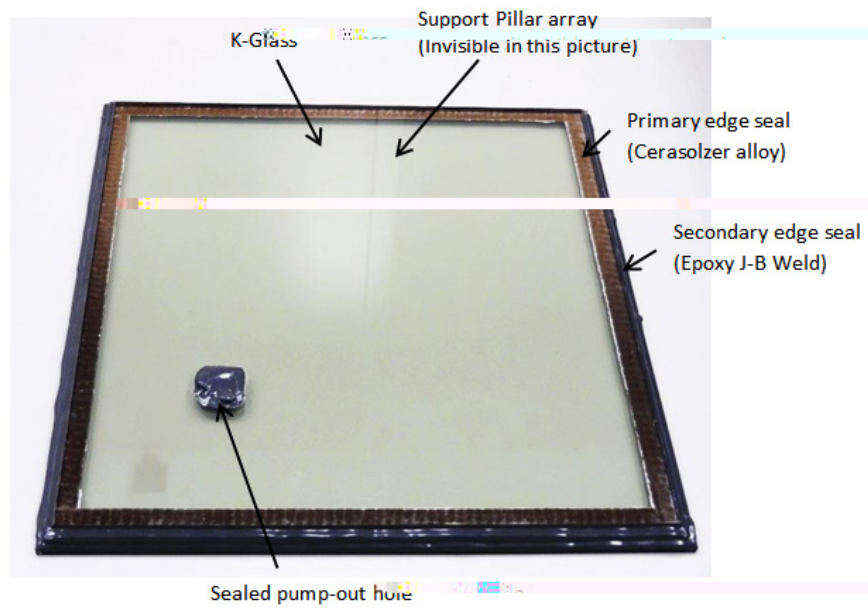
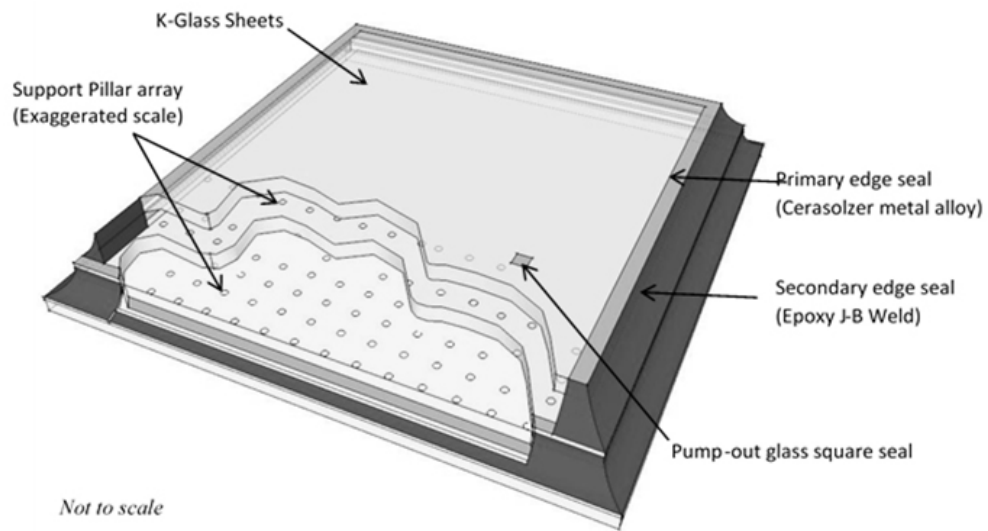


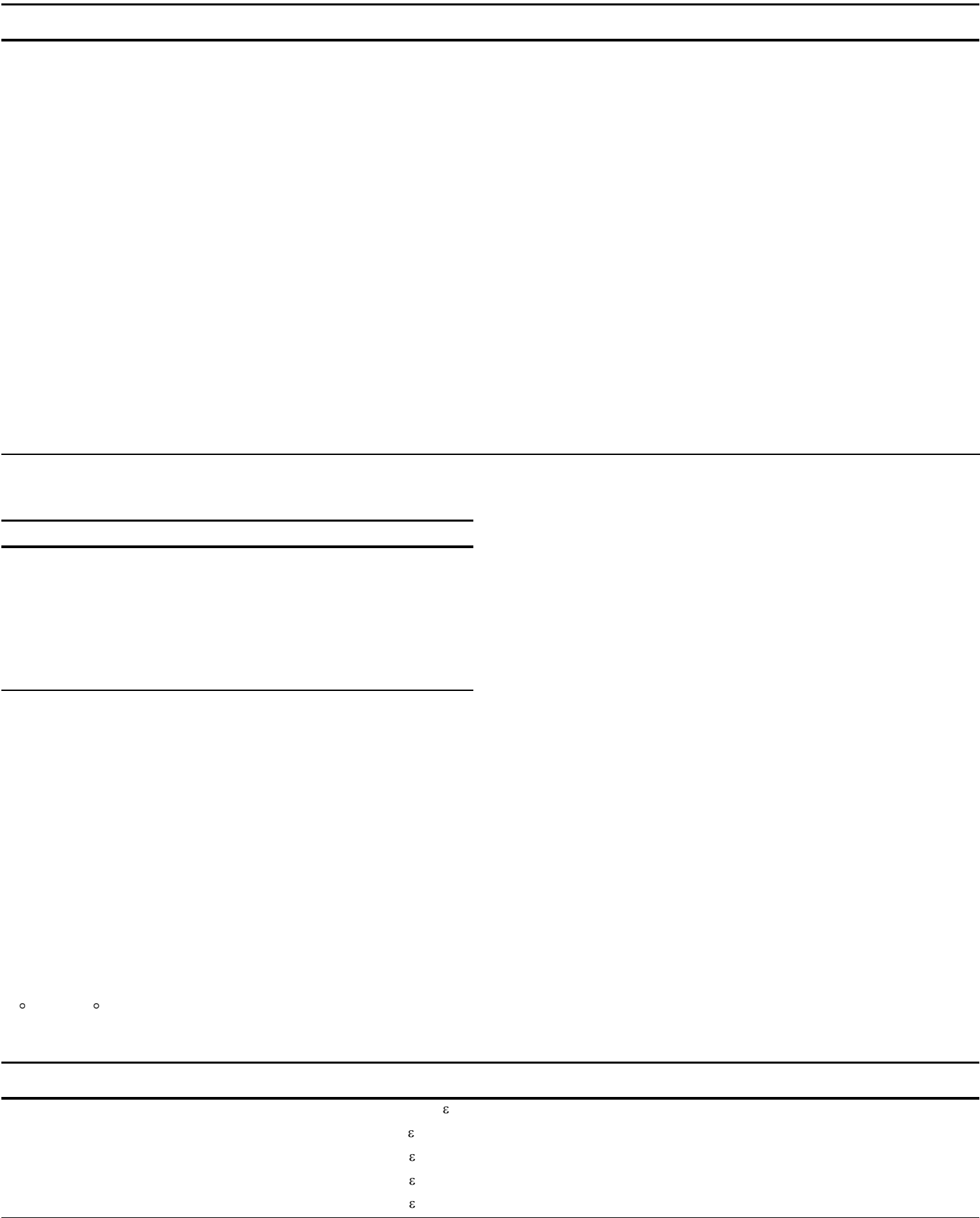
^a *London South Bank University, Division of Electrical and Electronic Engineering, School of Engineering, 103 Borough Road, London, SE1 0AA, UK*

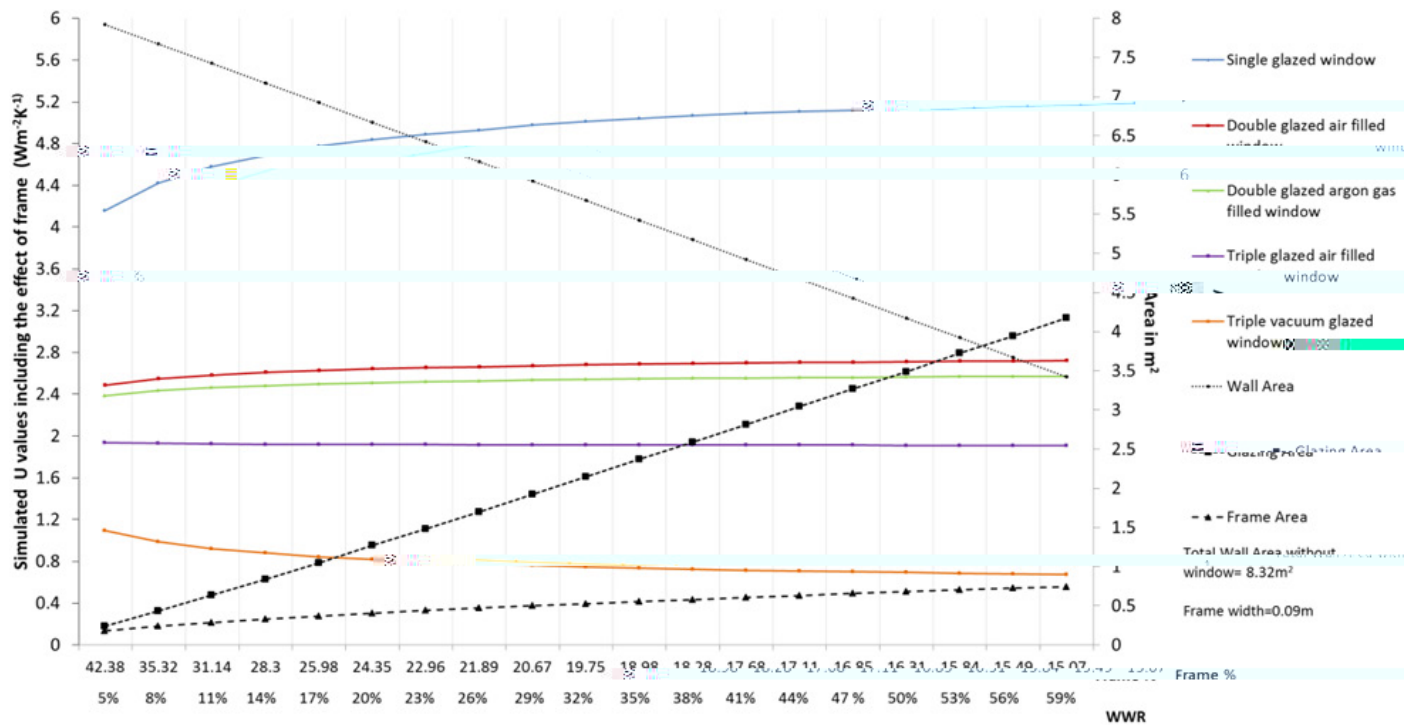
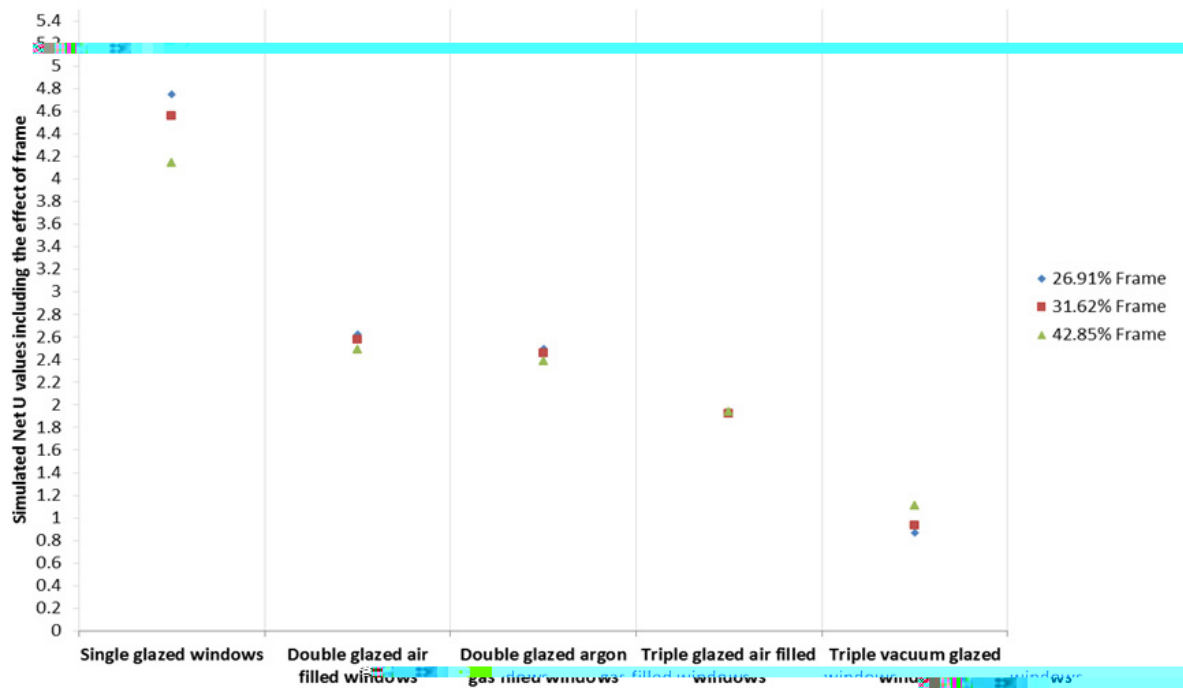
^b *Centre for Renewable Energy Systems Technology (CREST), School of Mechanical, Electrical & Manufacturing Engineering, Loughborough University, Loughborough, Leicestershire, LE11 3TU, UK*

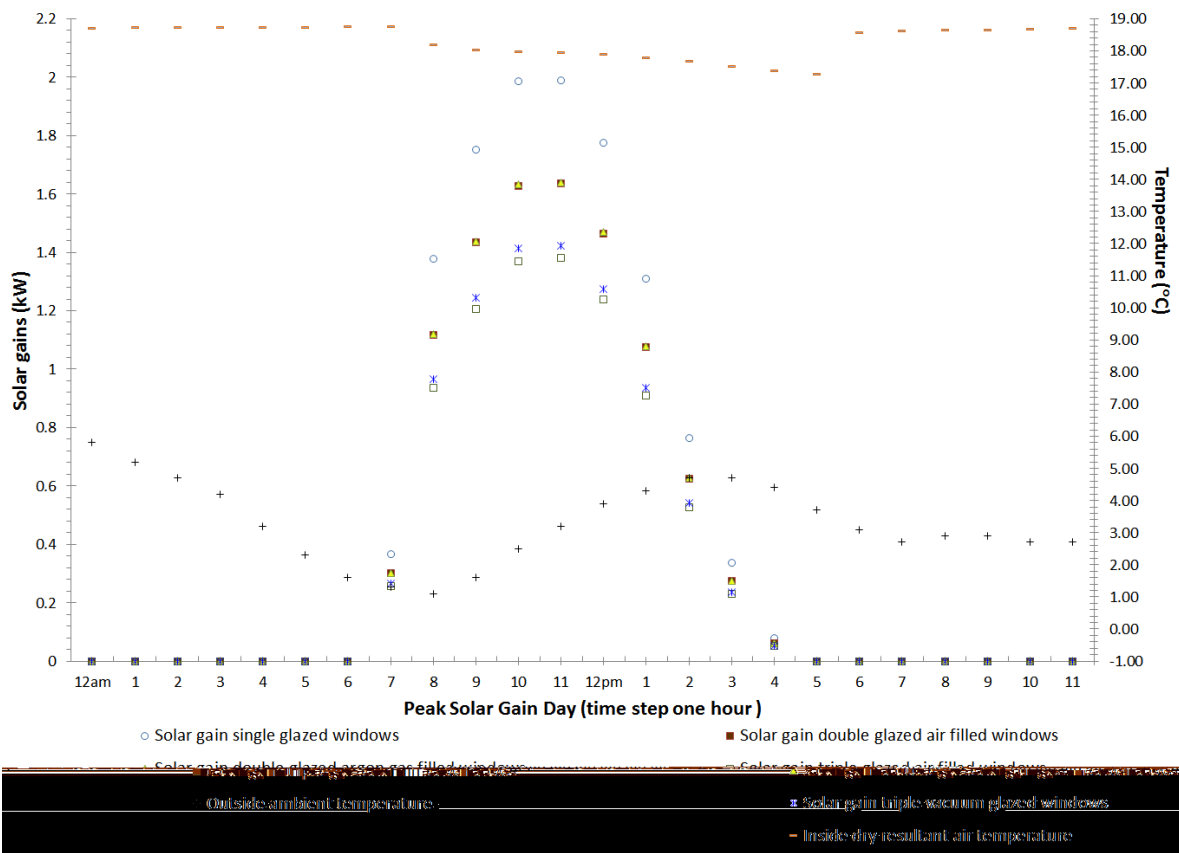
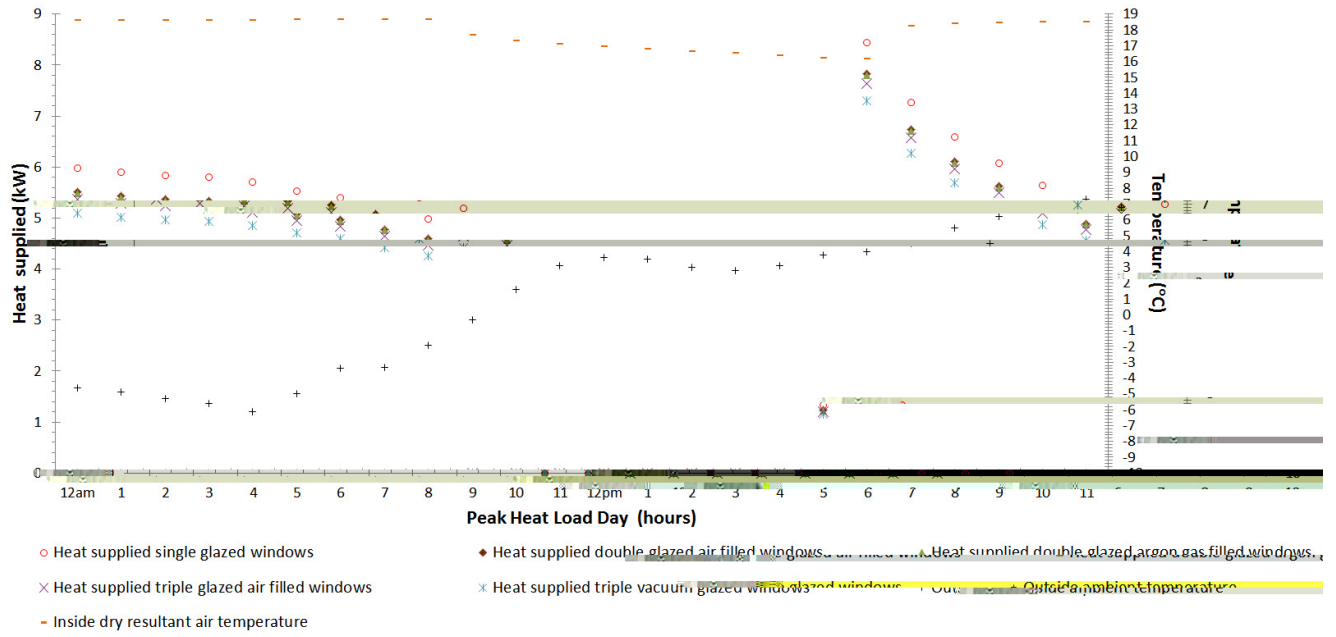
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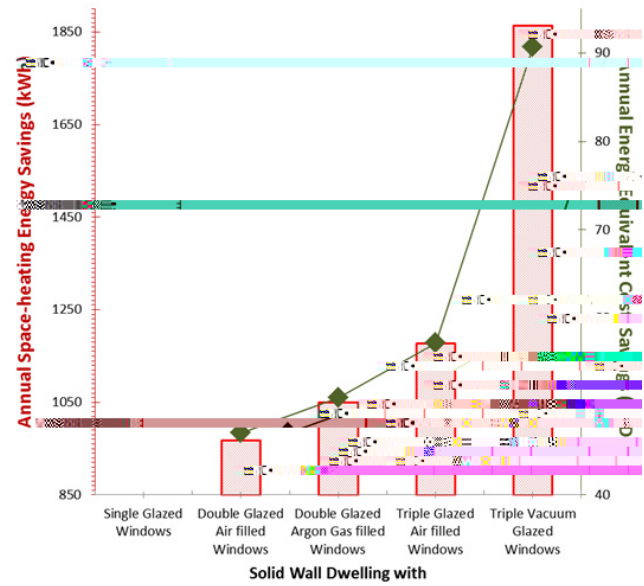
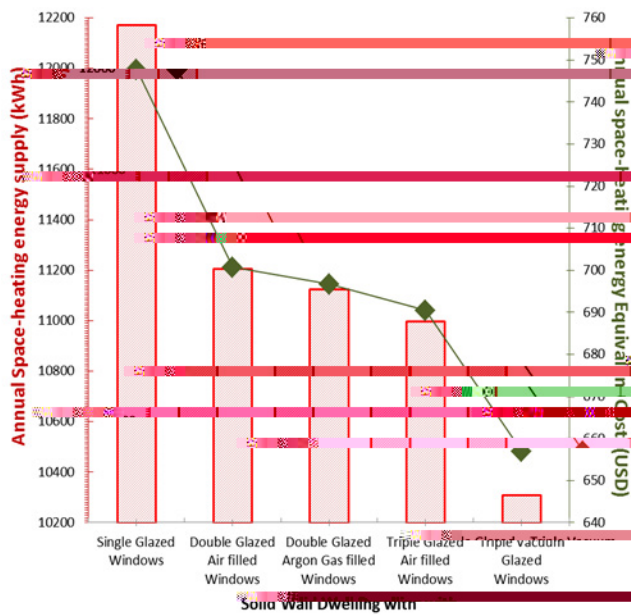
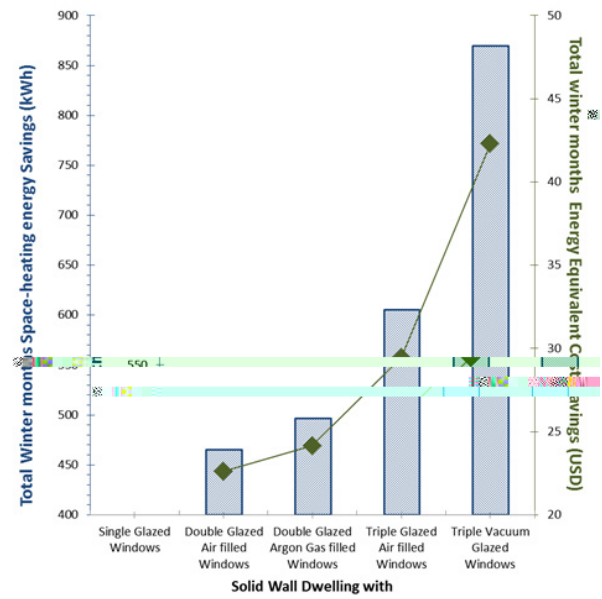
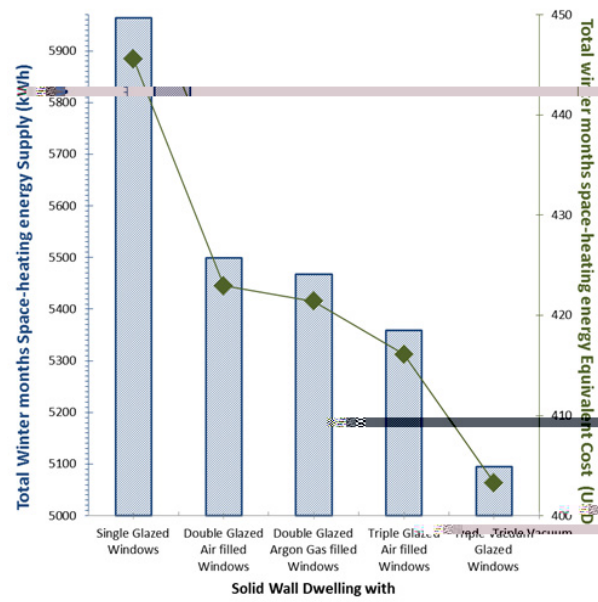
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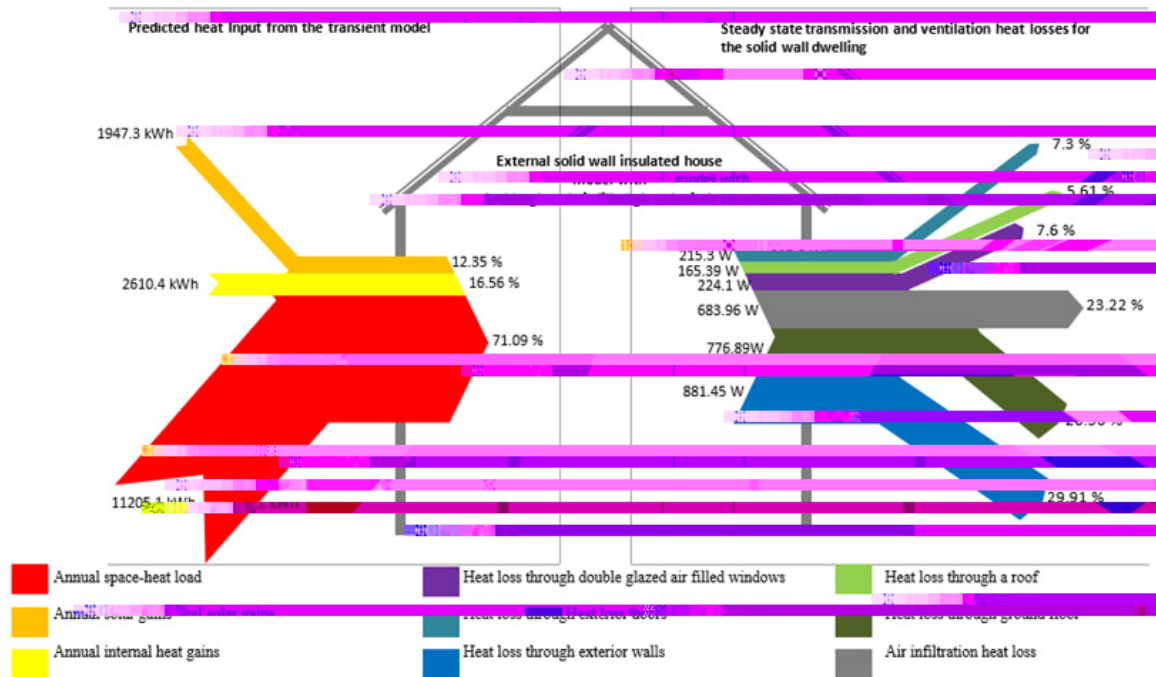
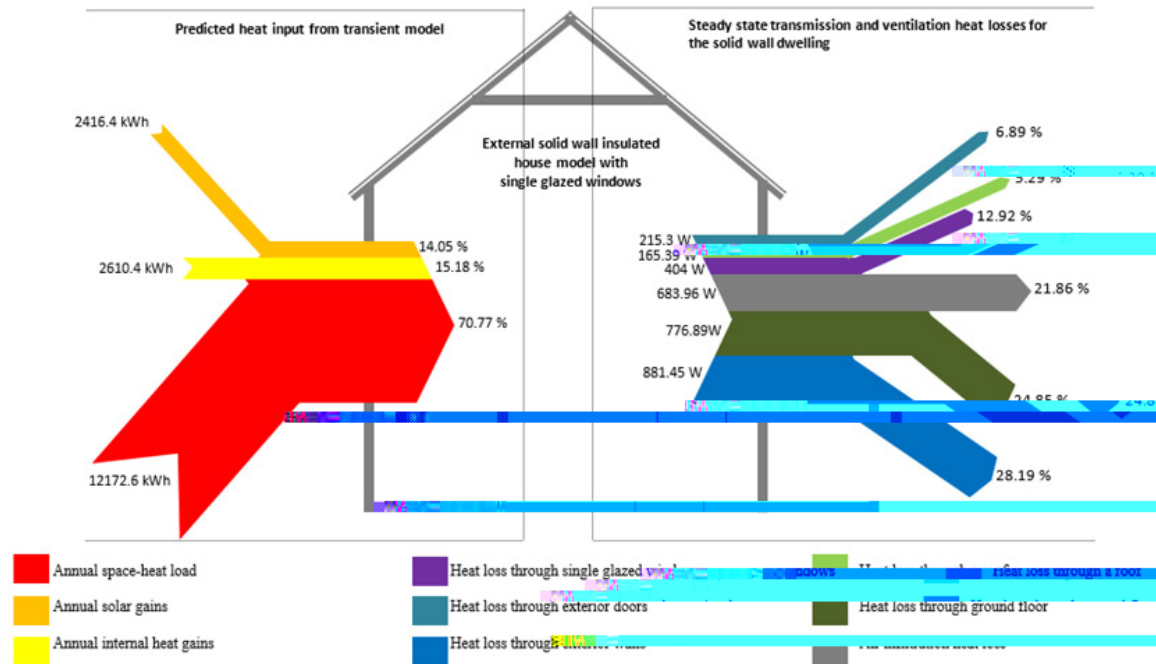


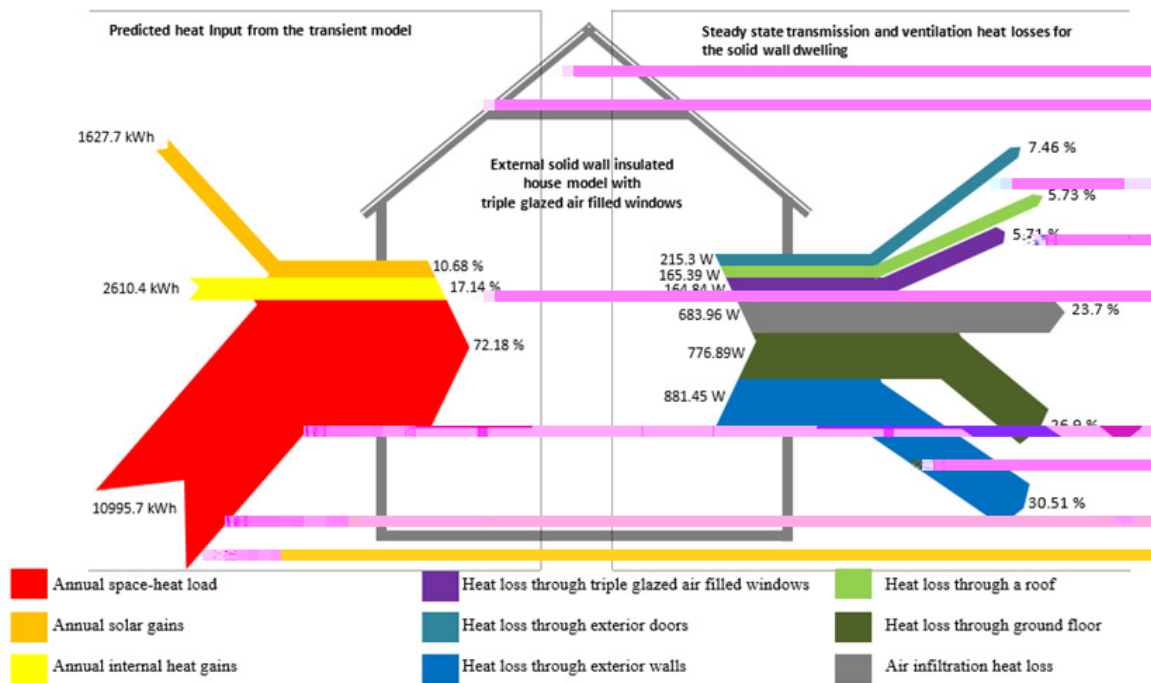
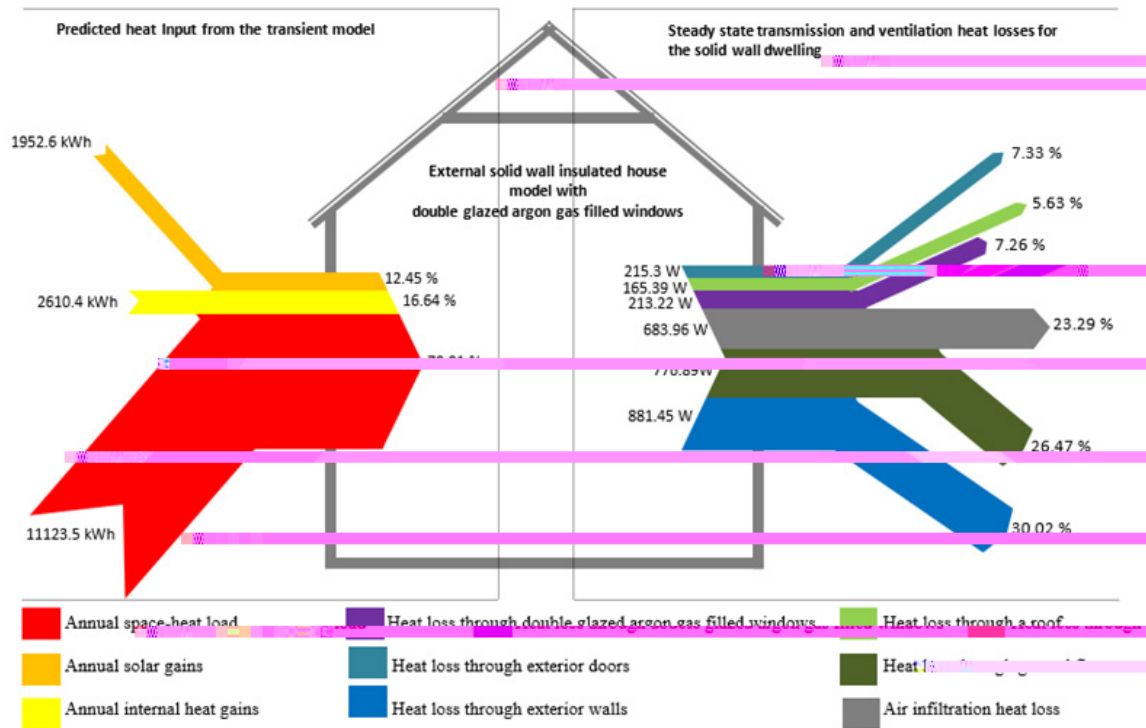




3.1 The space- heating degree day analysis

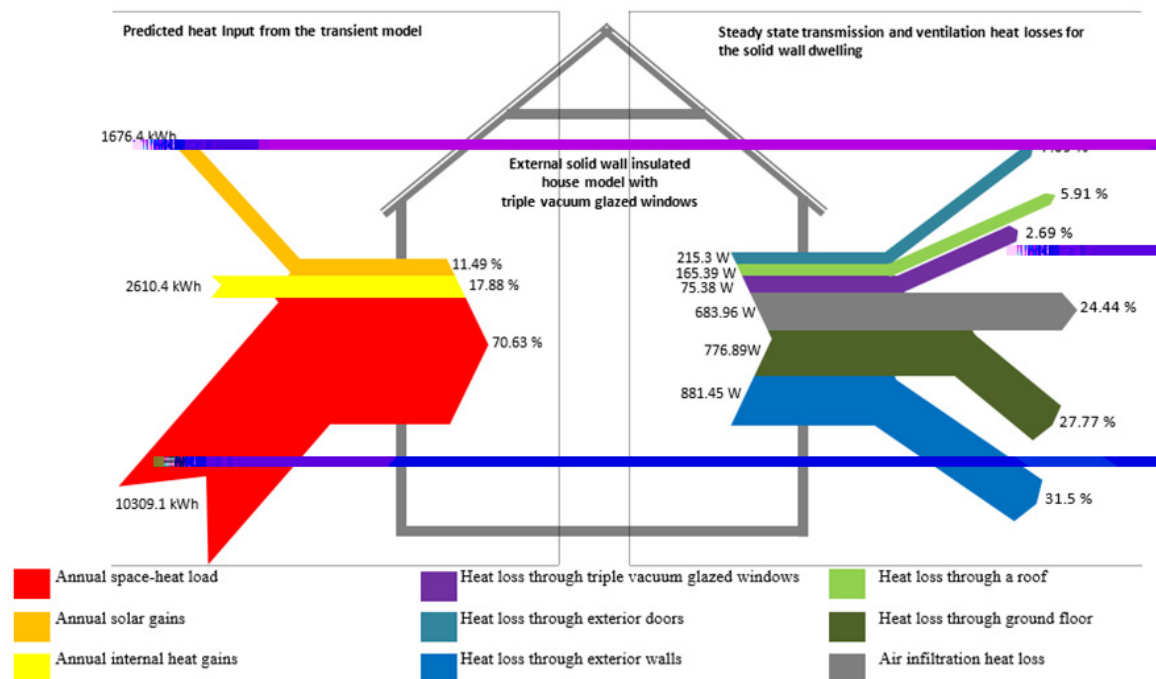
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3.2 The Peak day solar gain analysis

3.3 Predictions of the Annual and winter months Energy Cost Savings



3.4 Analysis of changes in heat flows

