

Project London Office

Project no. 33

Engineer KAL

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**Design basis**

Outside design temperature -4 °C

Heat loss model Complex model

Main system of heating : Warm floor

Rooms included Room 04 selected

**Summary results**

Room ref.	No. off	Inside temp.	Fabric loss (W)	Infiltration loss (W)	Total loss (W)
04	1	20	89756	6756	96511

*Outside design temperature* -4 °C  
*Heat loss model* Complex model  
*Main system of heating :* Warm floor  
*Rooms included* Room 04 selected

**Project total heat losses**

Total exposed wall loss	26248	W
Total exposed roof loss	58436	W
Total exposed floor loss	0	W
Total internal floor loss	0	W
Total internal ceiling loss	0	W
Total internal partition loss	0	W
Total window loss	5072	W
Total rooflight loss	0	W
Total infiltration loss	6756	W
Total fixed air loss	0	W
<b>Total Heat loss</b>	<b>96511</b>	<b>W</b>

Total floor area	1045	m <sup>2</sup>	92.34	W/m <sup>2</sup>
Total volume	2822.05	m <sup>3</sup>	34.2	W/m <sup>3</sup>

Pre-heat period (hrs)	Plant ratio	Plant boosted output (kW)
0	1.67	160.75
1	1.59	153.45
2	1.52	146.79
3	1.46	140.68
4	1.40	135.06
5	1.35	129.88
6	1.30	125.07
7	1.25	120.61
8	1.21	116.46