

Project London Office

Project no. 33

Engineer KAL

Checked by

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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	29167	6905	36072

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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	9860	W
Total exposed roof loss	14187	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	5119	W
Total rooflight loss	0	W
Total infiltration loss	6905	W
Total fixed air loss	0	W
Total Heat loss	36072	W

Total floor area	1045	m ²	34.51	W/m ²
Total volume	2822.05	m ³	12.78	W/m ³

Pre-heat period (hrs)	Plant ratio	Plant boosted output (kW)
0	2.03	73.3
1	1.89	68.27
2	1.77	63.88
3	1.66	60.03
4	1.57	56.61
5	1.48	53.56
6	1.41	50.82
7	1.34	48.35
8	1.28	46.11