



Heat Losses

Project: Cumberland Terrace
Project No: 6618

Winter Outside Design Temperature: -4 °C

Infiltration Rate: 1.4 /h

Total Design Capacity: 52.3 kW
(10% added)

Room Ref.	Floor area (m ²)	Design Temperature (°C)	Calculated Heat Loss (kW)	Design Capacity (10% added) (kW)	Design Capacity / floor area (W/m ²)
00LG Bath staff	6.04	22.00	1.17	1.29	213.6
00LG Bedsit staff	25.95	22.00	2.7	2.97	114.5
00LG Gym	25.82	19.00	2.24	2.47	95.7
00LG Hall	26.83	19.00	1.69	1.86	69.3
00LG Laundry	10.69	18.00	0.49	0.54	50.5
00LG Link	14.41	19.00	1.67	1.84	127.7
00LG Office	16.76	22.00	2.1	2.31	137.8
00LG Shwr	2.42	22.00	0.17	0.19	78.5
00LG Sports	38.51	19.00	2.89	3.18	82.6
00LG Steam	5.05	22.00	0.33	0.36	71.3
00LG WC	2.57	18.00	0.1	0.11	42.8
0GF Cbd	2.21	18.00	0.08	0.09	40.7
0GF Dining	28.05	21.00	1.93	2.12	75.6
0GF Family	22.22	22.00	2.52	2.78	125.1
0GF Hall	26.61	19.00	1.36	1.5	56.4
0GF Kitchen	42.69	19.00	4.15	4.57	107.1
0GF Link	12.41	19.00	1.21	1.33	107.2
0GF Study	26.09	22.00	2.45	2.7	103.5
0GF WC	3.50	18.00	0.14	0.15	42.9
1st Drawing	35.79	22.00	4.11	4.52	126.3
1st Reception	28.71	22.00	2.58	2.84	98.9
1st Stair	16.16	19.00	1.21	1.33	82.3
2nd Bath M	17.94	22.00	1.51	1.66	92.5
2nd Bed M	31.67	19.00	2.4	2.64	83.4
2nd Dressing M	13.33	19.00	0.4	0.44	33.0
2nd Stair	17.69	19.00	1.05	1.16	65.6
3rd Bath	7.54	22.00	0.34	0.37	49.0
3rd Bath guest	5.15	22.00	0.23	0.25	48.5
3rd Bed 1	19.10	19.00	1.14	1.26	66.0
3rd Bed 2	13.24	19.00	0.95	1.05	79.3
3rd Bed guest	22.32	19.00	1.43	1.58	70.8
3rd Dress guest	4.63	19.00	0.46	0.51	110.0
3rd Stair	8.72	19.00	0.29	0.32	36.7