KUT LLP
First Floor, 2E Berol House, 25 Ashley Road
London, N17 9LJ
020 8348 5171

Date 06/11/2020

Heat Gains

Project: Cumberland Terrace
Project No: 6618

Location: London

Design Day: 15-Jul

Summer Dry Bulb Temperature: 30 °C

Infiltration Rate: 1.4 /h

Window Blinds: No

Internal Design Temperature: 23 °C

Design Peak Coincident Plant Load: ***41.6 kW*** ***at*** ***17:30***
(10% added)

Room Ref.	Floor area (m^2)	Design temperature (°C)	Peak room loads (kW) Sensible	Latent	Total	Design Capacity (10% added) (kW)	Design Capacity / floor area (W/m^2)	Time of Peak
00LG Bath staff	6.033	-	-	-	-	-	-	Jul 11:00
00LG Bedsit staff	25.939	23	1.29	0.34	1.63	1.8	69.4	Jul 09:00
00LG Gym	25.793	23	3.09	1.54	4.63	5.1	197.7	Jul 16:00
00LG Hall	26.859	-	-	-	-	-	-	Jul 18:30
00LG Laundry	10.693	-	-	-	-	-	-	Jul 17:00
00LG Link	14.381	-	-	-	-	-	-	Jul 15:00
00LG Office	16.772	23	1.08	0.34	1.41	1.56	93.0	Jul 09:30
00LG Shwr	2.383	-	-	-	-	-	-	Jul 20:00
00LG Sports	38.49	23	1.91	1.94	3.86	4.24	110.2	Jul 15:00
00LG Steam	5.103	-	-	-	-	-	-	Jul 19:30
00LG WC	2.674	-	-	-	-	-	-	Jul 20:00
0GF Cbd	2.154	-	-	-	-	-	-	Jul 17:00
0GF Dining	28.091	23	1.80	0.5	2.31	2.54	90.4	Jul 08:00
0GF Family	22.189	23	3.71	0.47	4.18	4.6	207.3	Jul 13:30
0GF Hall	26.525	-	-	-	-	-	-	Jul 19:00
0GF Kitchen	42.663	23	4.94	1.06	6	6.6	154.7	Jul 08:00
0GF Link	12.387	-	-	-	-	-	-	Jul 15:00
0GF Study	26.067	23	3.52	0.57	4.09	4.5	172.6	Jul 17:30
0GF WC	3.487	-	-	-	-	-	-	Jul 20:00
1st Drawing	35.796	23	6.65	0.99	7.64	8.4	234.7	Jul 17:30
1st Reception	28.723	23	2.10	0.5	2.6	2.86	99.6	Jul 08:30
1st Stair	16.16	-	-	-	-	-	-	Jul 11:00
2nd Bath M	17.894	-	-	-	-	-	-	Jul 10:30
2nd Bed M	31.722	23	4.12	0.59	4.71	5.18	163.3	Jul 17:30
2nd Dressing M	13.436	-	-	-	-	-	-	Jul 21:30
2nd Stair	17.627	-	-	-	-	-	-	Jul 11:00
3rd Bath	7.6	-	-	-	-	-	-	Jul 20:00
3rd Bath guest	5.143	-	-	-	-	-	-	Jul 20:00
3rd Bed 1	19.063	23	1.35	0.27	1.62	1.78	93.4	Jul 08:00
3rd Bed 2	13.181	23	1.08	0.19	1.27	1.4	106.2	Jul 08:00
3rd Bed guest	22.268	23	1.96	0.32	2.28	2.51	112.7	Jul 17:30
3rd Dress guest	4.624	-	-	-	-	-	-	Jul 18:30
3rd Stair	8.798	-	-	-	-	-	-	Jul 20:00