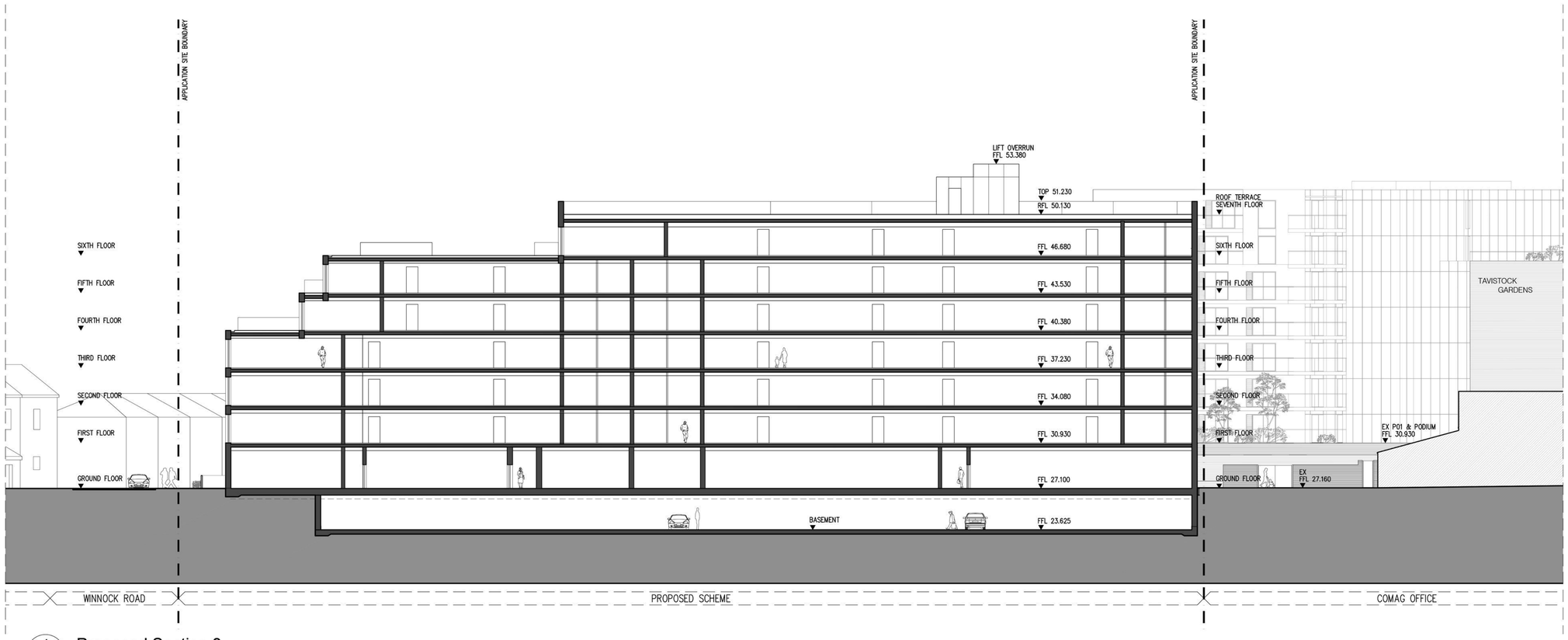
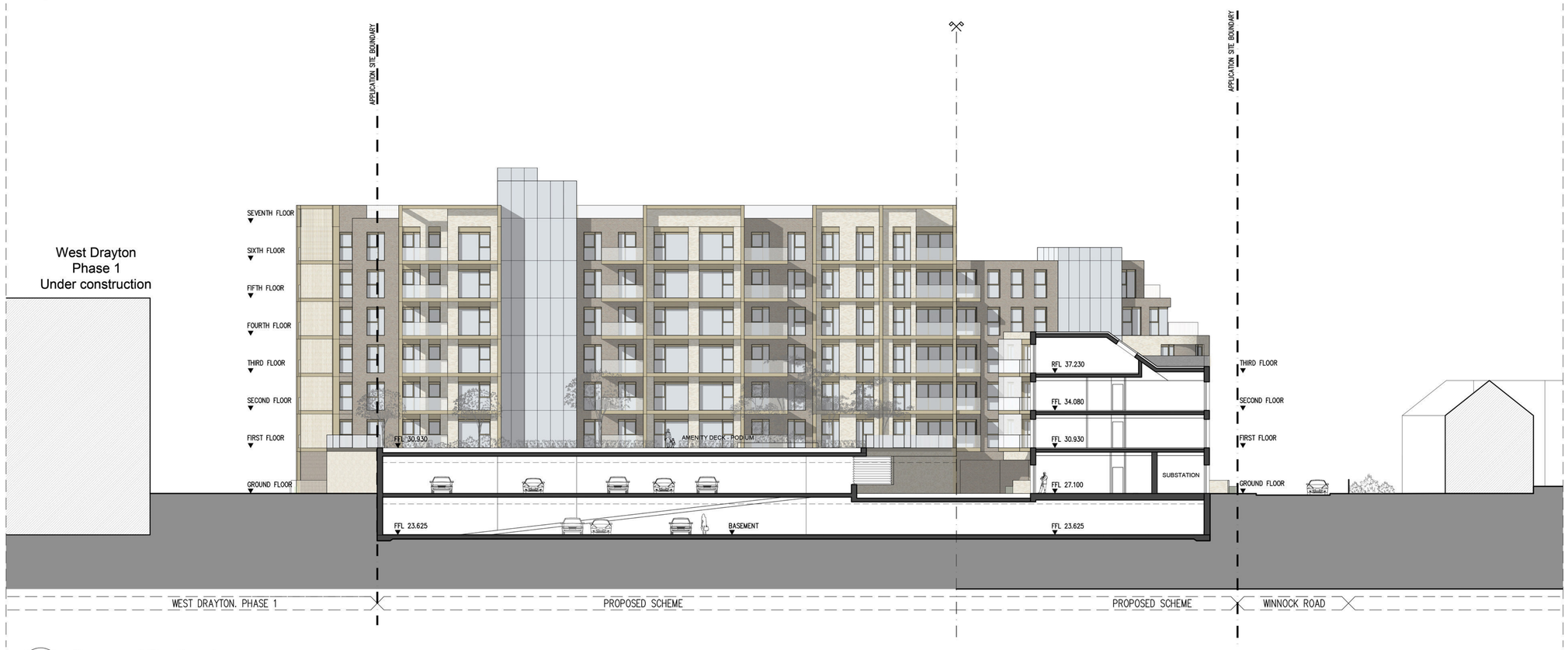


1 Proposed Section 3
SCALE: 1:200 (A1)



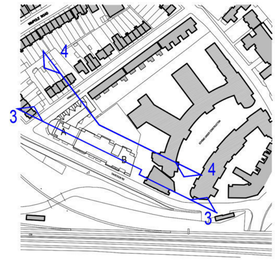
2 Proposed Section 4
SCALE: 1:200 (A1)

This scale is 10cm in length when printed at the size indicated in the title block
0 1 2 3 4 5 10cm

NOTES

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4 All work and materials to be in accordance with current applicable Statutory Legislation and to comply with all relevant Codes of Practice and British Standards



North

Rev		Date
1E	Issued for Planning	19/01/18
1D	Issued for Planning	17/11/17
1C	Issued for Planning	27/10/17
1B	Issued for Planning	18/08/17
1A	Issued for Planning	11/08/17

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Client
Redrow Homes Ltd (London)

Project
Padcroft Phase II

Drawing
Proposed sections 3 & 4

Scale	Date	Status
1:200 (A1)	Aug 17	Planning

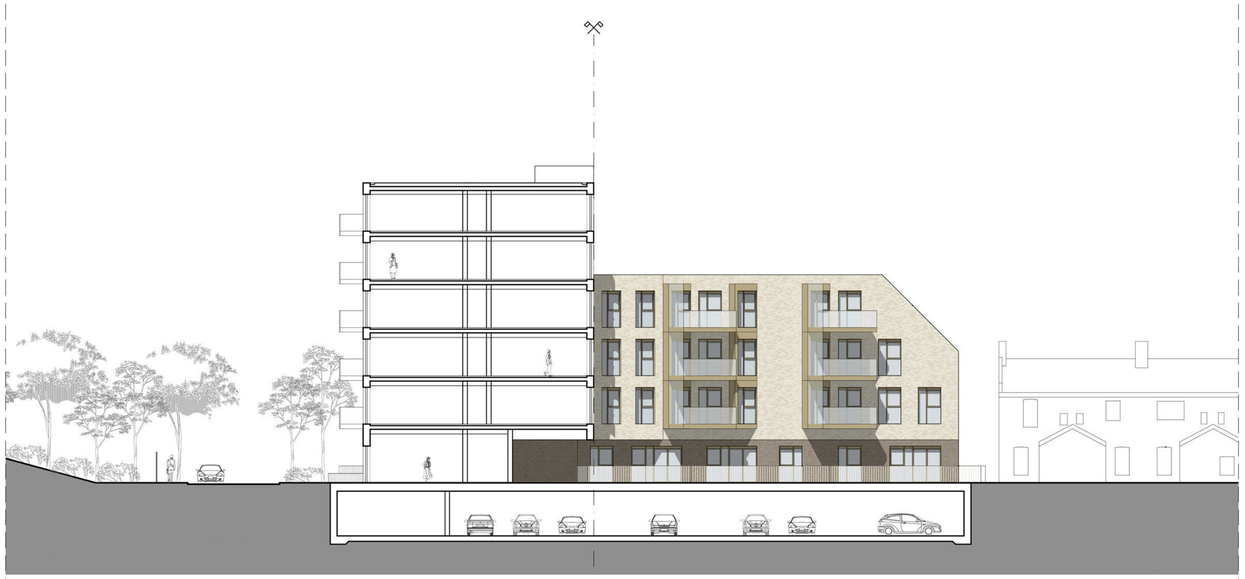
Job Number	Drawing Number	Revision
5935	T(20)S02	1E

G:\5935\T_Series\T20\T20S02

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NOTES

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3 This drawing is not to be scaled
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1 - Proposed Elevation 3
SCALE: 1:200 (A1)

SOUTH ELEVATION SHOWN ON Z20S02



2 - Proposed Elevation 4
SCALE: 1:200 (A1)





3 - Proposed Elevation 5
SCALE: 1:200 (A1)

This scale is 10cm in length when printed at the size indicated in the title block
0 1 2 3 4 5 10cm

Rev	Date
1E Issued for Planning	19/01/18
1D Issued for Planning	17/11/17
1C Issued for Planning	27/10/17
1B Issued for Planning	18/08/17
1A Issued for Planning	11/08/17

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Project
Padcroft Phase II

Drawing
Proposed Elevations 3, 4 & 5

Scale	Date	Status
1:200 (A1)	Aug 17	Planning

Job Number	Drawing Number	Revision
5935	T(20)E02	1E

G:\5935\T_Series\T20\T20E02

Appendix B

Current DSY1 results

3.001.3 PPL DMS

QMS ISO 14001 REGISTERED

QMS ISO 9001 REGISTERED

Table B.1 Number of hours over 24°C and 26°C with the cooling profile set to off and on continuously respectively for the bedrooms

Room reference	No Cooling		Cooling	
	> 24.00	> 26.00	> 24.00	> 26.00
Location	> 24.00	> 26.00	> 24.00	> 26.00
0 A0.01 Double Bedroom	584	130	1455	0
0 A0.01 Twin Bedroom	443	109	989	0
0 A0.02 Double Bedroom	877	186	1725	0
0 A0.03 Double Bedroom	1014	207	2753	0
0 A0.03 Twin Bedroom	1426	440	2864	0
0 A0.04 Double Bedroom	803	132	2373	0
0 A0.04 Twin Bedroom	856	154	2533	0
0 A0.05 Double Bedroom	638	110	1831	0
0 A0.05 Single Bedroom	698	126	2077	0
0 A0.05 Twin Bedroom	247	17	613	0
0 A0.06 Double Bedroom	507	91	1639	0
0 A0.06 Single Bedroom	753	135	2031	0
0 A0.06 Twin Bedroom	277	44	892	0
0 A0.07 Double Bedroom	284	34	1081	0
0 A0.07 Twin Bedroom	277	47	883	0
0 B0.02 Double Bedroom	804	202	1737	0
0 B0.02 Single Bedroom	906	246	2116	0
0 B0.03 Double Bedroom	735	185	1714	0
0 B0.03 Single Bedroom	830	206	2042	0
1 A1.01 Double Bedroom	1047	226	2530	0
1 A1.02 Double Bedroom	1295	431	2927	0
1 A1.02 Single Bedroom	1415	557	3088	0
1 A1.03 Double Bedroom	1342	443	2917	0
1 A1.03 Twin Bedroom	1557	574	3055	0
1 A1.04 Double Bedroom	1143	265	2946	0
1 A1.04 Single Bedroom	1068	238	2866	0
1 A1.04 Twin Bedroom	1323	353	2972	0
1 A1.05 Double Bedroom	900	174	2532	0
1 A1.05 Single Bedroom	996	236	2789	0
1 A1.05 Twin Bedroom	991	215	2675	0
1 A1.06 Double Bedroom	939	184	2355	0
1 A1.07 Double Bedroom	1116	266	2577	0
1 A1.07 Twin Bedroom	1107	240	2681	0
1 A1.08 Double Bedroom	938	187	2440	0
1 A1.09 Double Bedroom	858	152	2460	0
1 A1.10 Double Bedroom	742	124	2196	0
1 A1.10 Single Bedroom	1058	230	2759	0
1 B1.01 Double Bedroom	1330	454	2894	0
1 B1.01 Single Bedroom	1440	484	3014	0
1 B1.02 Double Bedroom	1241	368	2706	0
1 B1.02 Double Bedroom	1391	466	2958	0
1 B1.03 Double Bedroom	1273	373	2895	0
1 B1.03 Double Bedroom	1230	370	2805	0
1 B1.04 Double Bedroom	1126	263	2691	0
1 B1.05 Double Bedroom	998	225	2148	0
1 B1.05 Double Bedroom	1002	208	2023	0
1 B1.06 Double Bedroom	922	185	2027	0
1 B1.06 Double Bedroom	815	167	1858	0
1 B1.07 Double Bedroom	943	188	2058	0
1 B1.07 Double Bedroom	738	133	1670	0
1 B1.08 Double Bedroom	1189	232	2758	0
1 B1.08 Single Bedroom	1138	242	2873	0
1 B1.09 Double Bedroom	1132	226	2695	0
1 B1.09 Double Bedroom	1291	291	2919	0
1 B1.10 Double Bedroom	1375	469	2931	0
1 B1.10 Single Bedroom	1483	517	3103	0
2 A2.01 Double Bedroom	1256	299	2874	0
2 A2.02 Double Bedroom	1456	515	3102	0
2 A2.02 Single Bedroom	1565	634	3263	0
2 A2.03 Double Bedroom	1467	498	3046	0
2 A2.03 Twin Bedroom	1571	582	3154	0
2 A2.04 Double Bedroom	1228	308	3052	0
2 A2.04 Single Bedroom	1146	277	2955	0
2 A2.04 Twin Bedroom	1400	411	3056	0
2 A2.05 Double Bedroom	948	186	2491	0
2 A2.05 Single Bedroom	972	203	2691	0
2 A2.06 Double Bedroom	1013	253	2718	0
2 A2.06 Double Bedroom	920	183	2379	0
2 A2.07 Double Bedroom	1465	501	2723	0
2 A2.07 Single Bedroom	1523	565	3090	0
2 A2.08 Double Bedroom	1184	267	2784	0
2 A2.09 Double Bedroom	1068	229	2836	0
2 A2.10 Double Bedroom	972	162	2606	0
2 A2.10 Single Bedroom	1197	293	2899	0
2 B2.01 Double Bedroom	1426	493	3015	0
2 B2.01 Single Bedroom	1536	564	3168	0
2 B2.02 Double Bedroom	1542	559	3116	0
2 B2.02 Double Bedroom	1358	421	2902	0
2 B2.03 Double Bedroom	1384	433	2981	0
2 B2.03 Double Bedroom	1434	446	3056	0
2 B2.04 Double Bedroom	1317	329	2924	0
2 B2.05 Double Bedroom	1333	383	2938	0

3.001.3 PPL DMS

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2 B2.05 Double Bedroom	1358	369	2827	0
2 B2.06 Double Bedroom	1322	333	2934	0
2 B2.06 Double Bedroom	1202	263	2748	0
2 B2.07 Double Bedroom	1115	218	2442	0
2 B2.07 Double Bedroom	1323	333	2911	0
2 B2.08 Double Bedroom	1310	300	2947	0
2 B2.08 Single Bedroom	1290	328	3054	0
2 B2.09 Double Bedroom	1239	285	2873	0
2 B2.09 Double Bedroom	1385	386	3037	0
2 B2.10 Double Bedroom	1514	567	3039	0
2 B2.10 Single Bedroom	1638	620	3228	0
3 A3.01 Double Bedroom	1330	336	2928	0
3 A3.02 Double Bedroom	1511	554	3154	0
3 A3.02 Single Bedroom	1608	664	3308	0
3 A3.03 Double Bedroom	1544	562	3054	0
3 A3.03 Twin Bedroom	1638	628	3154	0
3 A3.04 Double Bedroom	1464	450	3042	0
3 A3.04 Single Bedroom	1361	420	3052	0
3 A3.04 Twin Bedroom	1344	393	3087	0
3 A3.05 Double Bedroom	1067	204	2813	0
3 A3.05 Single Bedroom	879	172	2744	0
3 A3.05 Twin Bedroom	1317	380	2848	0
3 A3.06 Double Bedroom	1240	343	2904	0
3 A3.07 Double Bedroom	1094	214	2670	0
3 A3.07 Single Bedroom	1315	361	2996	0
3 B3.01 Double Bedroom	1439	507	3046	0
3 B3.01 Single Bedroom	1569	584	3209	0
3 B3.02 Double Bedroom	1387	432	2925	0
3 B3.02 Double Bedroom	1583	586	3166	0
3 B3.03 Double Bedroom	1476	468	3111	0
3 B3.03 Double Bedroom	1424	456	3015	0
3 B3.04 Double Bedroom	1382	360	2972	0
3 B3.05 Double Bedroom	1443	430	2949	0
3 B3.05 Double Bedroom	1418	436	3045	0
3 B3.06 Double Bedroom	1411	399	3064	0
3 B3.06 Double Bedroom	1303	295	2910	0
3 B3.07 Double Bedroom	1407	390	3032	0
3 B3.07 Double Bedroom	1205	249	2669	0
3 B3.08 Double Bedroom	1343	319	2967	0
3 B3.08 Single Bedroom	1328	351	3108	0
3 B3.09 Double Bedroom	1407	411	3065	0
3 B3.09 Double Bedroom	1259	298	2886	0
3 B3.10 Double Bedroom	1546	595	3056	0
3 B3.10 Single Bedroom	1670	653	3254	0

4 A4.01 Double Bedroom	1400	369	2956	0
4 A4.02 Double Bedroom	1543	579	3169	0
4 A4.02 Single Bedroom	1644	694	3328	0
4 A4.03 Double Bedroom	1732	881	2752	0
4 A4.03 Single Bedroom	1356	506	2886	0
4 A4.03 Twin Bedroom	2084	1226	2636	0
4 A4.04 Double Bedroom	1576	577	2926	0
4 B4.01 Double Bedroom	1443	512	3047	0
4 B4.01 Single Bedroom	1578	591	3214	0
4 B4.02 Double Bedroom	1596	599	3179	0
4 B4.02 Double Bedroom	1396	443	2928	0
4 B4.03 Double Bedroom	1500	478	3121	0
4 B4.03 Double Bedroom	1451	468	3030	0
4 B4.04 Double Bedroom	1405	376	2984	0
4 B4.05 Double Bedroom	1446	458	3087	0
4 B4.05 Double Bedroom	1482	451	2998	0
4 B4.06 Double Bedroom	1448	417	3088	0
4 B4.06 Double Bedroom	1325	313	2937	0
4 B4.07 Double Bedroom	1226	255	2705	0
4 B4.07 Double Bedroom	1433	403	3066	0
4 B4.08 Double Bedroom	1352	333	2971	0
4 B4.08 Single Bedroom	1339	352	3116	0
4 B4.09 Double Bedroom	1266	302	2887	0
4 B4.09 Double Bedroom	1412	417	3069	0
4 B4.10 Double Bedroom	1554	600	3059	0
4 B4.10 Single Bedroom	1681	659	3259	0
5 A5.01 Double Bedroom	1534	451	2959	0
5 A5.02 Double Bedroom	1560	589	3126	0
5 A5.02 Single Bedroom	1691	734	3307	0
5 A5.03 Double Bedroom	1462	502	2575	0
5 A5.03 Twin Bedroom	1903	1024	2773	0
5 A5.04 Double Bedroom	1658	704	2907	0
5 B5.01 Double Bedroom	1455	521	3050	0
5 B5.01 Single Bedroom	1594	603	3215	0
5 B5.02 Double Bedroom	1611	609	3174	0
5 B5.02 Double Bedroom	1412	451	2928	0
5 B5.03 Double Bedroom	1480	489	3035	0
5 B5.03 Double Bedroom	1529	505	3124	0
5 B5.04 Double Bedroom	1454	404	2975	0
5 B5.05 Double Bedroom	1471	477	3089	0
5 B5.05 Double Bedroom	1511	486	3015	0
5 B5.06 Double Bedroom	1350	333	2947	0
5 B5.06 Double Bedroom	1466	426	3093	0
5 B5.07 Double Bedroom	1223	255	2676	0

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5 B5.07 Double Bedroom	1455	416	3065	0
5 B5.08 Double Bedroom	1359	340	2970	0
5 B5.08 Single Bedroom	1348	359	3110	0
5 B5.09 Double Bedroom	1262	305	2880	0
5 B5.09 Double Bedroom	1415	417	3057	0
5 B5.10 Double Bedroom	1563	607	3062	0
5 B5.10 Single Bedroom	1690	670	3258	0
6 B6.01 Double Bedroom	1500	553	3024	0
6 B6.01 Single Bedroom	1689	668	3190	0
6 B6.02 Double Bedroom	1421	459	2868	0
6 B6.02 Double Bedroom	1631	612	3108	0
6 B6.03 Double Bedroom	1531	520	2998	0
6 B6.03 Double Bedroom	1642	618	3127	0
6 B6.04 Double Bedroom	1858	836	3102	0
6 B6.04 Double Bedroom	1542	545	2720	0
6 B6.04 Single Bedroom	1615	642	3187	0
6 B6.05 Double Bedroom	1477	433	3007	0
6 B6.05 Double Bedroom	1569	500	3012	0
6 B6.06 Double Bedroom	1438	389	2961	0
6 B6.06 Double Bedroom	1539	483	3081	0
6 B6.07 Double Bedroom	1526	468	3032	0
6 B6.07 Double Bedroom	1191	242	2482	0
6 B6.08 Double Bedroom	1405	370	2942	0
6 B6.08 Single Bedroom	1429	416	3076	0
6 B6.09 Double Bedroom	1272	302	2805	0
6 B6.09 Double Bedroom	1428	404	2990	0
6 B6.10 Double Bedroom	1589	606	3022	0
6 B6.10 Single Bedroom	1709	683	3192	0

3.001.3 PPL DMS

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Table B.2 Number of hours over 26°C with the cooling profile set to off and on continuously respectively for the living/kitchen areas

Room reference	No Cooling		Cooling	
	> 24.00	> 26.00	> 24.00	> 26.00
0 A0.01 Living/Kitchen	582	123	955	0
0 A0.02 Living/Kitchen	710	176	1111	0
0 A0.03 Living/Kitchen	1862	820	2623	0
0 A0.04 Living/Kitchen	710	107	1668	0
0 A0.05 Living/Kitchen	315	47	693	0
0 A0.06 Living/Kitchen	320	49	693	0
0 A0.07 Living/Kitchen	362	66	735	0
0 B0.02 Living/Kitchen	769	206	1225	0
0 B0.03 Living/Kitchen	797	220	1256	0
1 A1.01 Living/Kitchen	1112	318	2165	0
1 A1.02 Living/Kitchen	1288	405	2313	0
1 A1.03 Living/Kitchen	1929	869	2723	0
1 A1.04 Living/Kitchen	1954	969	2796	0
1 A1.05 Living/Kitchen	977	202	2188	0
1 A1.06 Living/Kitchen	811	153	1807	0
1 A1.07 Living/Kitchen	839	144	1581	0
1 A1.08 Living/Kitchen	824	158	1925	0
1 A1.09 Living/Kitchen	696	123	1710	0
1 A1.10 Living/Kitchen	1013	213	1922	0
1 B1.01 Living/Kitchen	1430	455	2446	0
1 B1.02 Living/Kitchen	1459	498	2431	0
1 B1.03 Living/Kitchen	1504	535	2458	0
1 B1.04 Living/Kitchen	1120	323	2165	0
1 B1.05 Living/Kitchen	997	204	1561	0
1 B1.06 Living/Kitchen	1164	281	1824	0
1 B1.07 Living/Kitchen	1176	288	1844	0
1 B1.08 Living/Kitchen	1224	277	2036	0
1 B1.09 Living/Kitchen	1383	435	2107	0
1 B1.10 Living/Kitchen	1449	456	2452	0
2 A2.01 Living/Kitchen	1323	402	2560	0
2 A2.02 Living/Kitchen	1473	498	2652	0
2 A2.03 Living/Kitchen	1965	903	2762	0
2 A2.04 Living/Kitchen	2017	1029	2844	0
2 A2.05 Living/Kitchen	1053	227	2174	0
2 A2.06 Living/Kitchen	1164	310	2272	0
2 A2.07 Living/Kitchen	1689	669	2909	0
2 A2.08 Living/Kitchen	1092	256	2286	0
2 A2.09 Living/Kitchen	911	181	2145	0
2 A2.10 Living/Kitchen	1271	329	2372	0
2 B2.01 Living/Kitchen	1604	562	2736	0
2 B2.02 Living/Kitchen	1661	603	2723	0
2 B2.03 Living/Kitchen	1700	667	2752	0
2 B2.04 Living/Kitchen	1320	403	2566	0
2 B2.05 Living/Kitchen	1416	423	2305	0
2 B2.06 Living/Kitchen	1653	646	2672	0
2 B2.07 Living/Kitchen	1666	670	2692	0
2 B2.08 Living/Kitchen	1506	472	2531	0
2 B2.09 Living/Kitchen	1530	554	2355	0
2 B2.10 Living/Kitchen	1642	597	2756	0
3 A3.01 Living/Kitchen	1387	446	2663	0
3 A3.02 Living/Kitchen	1553	533	2710	0
3 A3.03 Living/Kitchen	1996	952	2748	0
3 A3.04 Living/Kitchen	2069	1113	2835	0
3 A3.05 Living/Kitchen	1648	640	2701	0
3 A3.06 Living/Kitchen	1231	371	2396	0
3 A3.07 Living/Kitchen	1407	407	2529	0
3 B3.01 Living/Kitchen	1642	597	2784	0
3 B3.02 Living/Kitchen	1707	645	2778	0
3 B3.03 Living/Kitchen	1753	694	2817	0
3 B3.04 Living/Kitchen	1377	434	2665	0
3 B3.05 Living/Kitchen	1564	537	2506	0
3 B3.06 Living/Kitchen	1776	778	2879	0
3 B3.07 Living/Kitchen	1784	794	2884	0
3 B3.08 Living/Kitchen	1587	558	2650	0
3 B3.09 Living/Kitchen	1567	580	2386	0
3 B3.10 Living/Kitchen	1687	643	2799	0
4 A4.01 Living/Kitchen	1439	475	2681	0
4 A4.02 Living/Kitchen	1669	615	2740	0
4 A4.03 Living/Kitchen	2009	933	2858	0
4 A4.04 Living/Kitchen	1468	423	2521	0
4 B4.01 Living/Kitchen	1663	618	2795	0
4 B4.02 Living/Kitchen	1728	656	2794	0
4 B4.03 Living/Kitchen	1772	705	2827	0
4 B4.04 Living/Kitchen	1408	451	2673	0
4 B4.05 Living/Kitchen	1636	610	2566	0
4 B4.06 Living/Kitchen	1798	816	2925	0
4 B4.07 Living/Kitchen	1811	824	2934	0
4 B4.08 Living/Kitchen	1596	577	2672	0
4 B4.09 Living/Kitchen	1583	597	2393	0
4 B4.10 Living/Kitchen	1712	652	2809	0
5 A5.01 Living/Kitchen	1559	544	2651	0
5 A5.02 Living/Kitchen	1813	763	2768	0
5 A5.03 Living/Kitchen	1989	971	2729	0

3.001.3 PPL DMS

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5 A5.04 Living/Kitchen	1587	554	2545	0
5 B5.01 Living/Kitchen	1705	654	2801	0
5 B5.02 Living/Kitchen	1759	680	2801	0
5 B5.03 Living/Kitchen	1804	736	2841	0
5 B5.04 Living/Kitchen	1466	489	2639	0
5 B5.05 Living/Kitchen	1715	722	2614	0
5 B5.06 Living/Kitchen	1804	824	2920	0
5 B5.07 Living/Kitchen	1819	840	2931	0
5 B5.08 Living/Kitchen	1597	583	2651	0
5 B5.09 Living/Kitchen	1626	620	2405	0
5 B5.10 Living/Kitchen	1744	681	2817	0
6 B6.01 Living/Kitchen	1870	805	2858	0
6 B6.02 Living/Kitchen	1881	806	2823	0
6 B6.03 Living/Kitchen	1890	814	2833	0
6 B6.04 Living/Kitchen	2193	1278	2690	0
6 B6.05 Living/Kitchen	1789	889	2504	0
6 B6.06 Living/Kitchen	1793	803	2818	0
6 B6.07 Living/Kitchen	1840	882	2863	0
6 B6.08 Living/Kitchen	1613	596	2557	0
6 B6.09 Living/Kitchen	1799	780	2455	0
6 B6.10 Living/Kitchen	1882	821	2865	0

Table B.3 Number of hours over 28°C for the communal corridors

Room Reference	>28°C
-1 A Circulation	0
0 A Circulation	0
1 A Circulation	0
1 B Circulation	0
2 A Circulation	0
2 B Circulation	0
3 A Circulation	0
3 B Circulation	0
4 A Circulation	0
4 B Circulation	0
5 A Circulation	0
5 B Circulation	0
6 B Circulation	0

3.001.3 PPL DMS

QMS ISO 14001 REGISTERED
QMS ISO 9001 REGISTERED

Table B.4 Cooling loads for each apartment

Room	Load / kW
0 A0.01 Double Bedroom	0.57
0 A0.01 Living/Kitchen	1.284
0 A0.01 Twin Bedroom	0.689
0 A0.02 Double Bedroom	0.755
0 A0.02 Living/Kitchen	1.268
0 A0.03 Double Bedroom	0.417
0 A0.03 Living/Kitchen	2.499
0 A0.03 Twin Bedroom	0.738
0 A0.04 Double Bedroom	0.407
0 A0.04 Living/Kitchen	1.153
0 A0.04 Twin Bedroom	0.425
0 A0.05 Double Bedroom	0.384
0 A0.05 Living/Kitchen	0.866
0 A0.05 Single Bedroom	0.403
0 A0.05 Twin Bedroom	0.162
0 A0.06 Double Bedroom	0.368
0 A0.06 Living/Kitchen	0.882
0 A0.06 Single Bedroom	0.467
0 A0.06 Twin Bedroom	0.274
0 A0.07 Double Bedroom	0.185
0 A0.07 Living/Kitchen	0.901
0 A0.07 Twin Bedroom	0.268
0 B Community Space	6.49
0 B Meeting Room	0.69
0 B0.02 Double Bedroom	0.756
0 B0.02 Living/Kitchen	1.31
0 B0.02 Single Bedroom	0.625
0 B0.03 Double Bedroom	0.736
0 B0.03 Living/Kitchen	1.309
0 B0.03 Single Bedroom	0.573
1 A1.01 Double Bedroom	0.619
1 A1.01 Living/Kitchen	1.399
1 A1.02 Double Bedroom	0.804
1 A1.02 Living/Kitchen	1.396
1 A1.02 Single Bedroom	0.826
1 A1.03 Double Bedroom	0.808
1 A1.03 Living/Kitchen	2.04
1 A1.03 Twin Bedroom	0.71
1 A1.04 Double Bedroom	0.476
1 A1.04 Living/Kitchen	2.479
1 A1.04 Single Bedroom	0.467
1 A1.04 Twin Bedroom	0.468
1 A1.05 Double Bedroom	0.423
1 A1.05 Living/Kitchen	1.262
1 A1.05 Single Bedroom	0.422
1 A1.05 Twin Bedroom	0.498
1 A1.06 Double Bedroom	0.486
1 A1.06 Living/Kitchen	1.182
1 A1.07 Double Bedroom	0.646
1 A1.07 Living/Kitchen	1.171
1 A1.07 Twin Bedroom	0.62
1 A1.08 Double Bedroom	0.581
1 A1.08 Living/Kitchen	1.093
1 A1.09 Double Bedroom	0.531
1 A1.09 Living/Kitchen	1.054
1 A1.10 Double Bedroom	0.466
1 A1.10 Living/Kitchen	1.14
1 A1.10 Single Bedroom	0.451
1 B1.01 Double Bedroom	0.803
1 B1.01 Living/Kitchen	1.468
1 B1.01 Single Bedroom	0.819
1 B1.02 Double Bedroom	0.797
1 B1.02 Double Bedroom	0.805
1 B1.02 Living/Kitchen	1.592
1 B1.03 Double Bedroom	0.698
1 B1.03 Double Bedroom	0.797
1 B1.03 Living/Kitchen	1.584
1 B1.04 Double Bedroom	0.593
1 B1.04 Living/Kitchen	1.418
1 B1.05 Double Bedroom	0.56
1 B1.05 Double Bedroom	0.555
1 B1.05 Living/Kitchen	1.194
1 B1.06 Double Bedroom	0.406
1 B1.06 Double Bedroom	0.442
1 B1.06 Living/Kitchen	1.22
1 B1.07 Double Bedroom	0.406
1 B1.07 Double Bedroom	0.466
1 B1.07 Living/Kitchen	1.223
1 B1.08 Double Bedroom	0.461
1 B1.08 Living/Kitchen	1.201
1 B1.08 Single Bedroom	0.364
1 B1.09 Double Bedroom	0.434
1 B1.09 Double Bedroom	0.606
1 B1.09 Living/Kitchen	1.639
1 B1.10 Double Bedroom	0.792

3.001.3 PPL DMS

QMS ISO 14001 REGISTERED
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1 B1.10 Living/Kitchen	1.526
1 B1.10 Single Bedroom	0.808
2 A2.01 Double Bedroom	0.653
2 A2.01 Living/Kitchen	1.449
2 A2.02 Double Bedroom	0.838
2 A2.02 Living/Kitchen	1.444
2 A2.02 Single Bedroom	0.846
2 A2.03 Double Bedroom	0.831
2 A2.03 Living/Kitchen	2.025
2 A2.03 Twin Bedroom	0.705
2 A2.04 Double Bedroom	0.479
2 A2.04 Living/Kitchen	2.477
2 A2.04 Single Bedroom	0.473
2 A2.04 Twin Bedroom	0.47
2 A2.05 Double Bedroom	0.447
2 A2.05 Living/Kitchen	1.258
2 A2.05 Single Bedroom	0.422
2 A2.06 Double Bedroom	0.426
2 A2.06 Double Bedroom	0.449
2 A2.06 Living/Kitchen	1.392
2 A2.07 Double Bedroom	0.737
2 A2.07 Living/Kitchen	1.299
2 A2.07 Single Bedroom	0.665
2 A2.08 Double Bedroom	0.608
2 A2.08 Living/Kitchen	1.133
2 A2.09 Double Bedroom	0.599
2 A2.09 Living/Kitchen	1.106
2 A2.10 Double Bedroom	0.503
2 A2.10 Living/Kitchen	1.208
2 A2.10 Single Bedroom	0.487
2 B2.01 Double Bedroom	0.823
2 B2.01 Living/Kitchen	1.542
2 B2.01 Single Bedroom	0.843
2 B2.02 Double Bedroom	0.826
2 B2.02 Double Bedroom	0.808
2 B2.02 Living/Kitchen	1.629
2 B2.03 Double Bedroom	0.828
2 B2.03 Double Bedroom	0.72
2 B2.03 Living/Kitchen	1.615
2 B2.04 Double Bedroom	0.63
2 B2.04 Living/Kitchen	1.471
2 B2.05 Double Bedroom	0.653
2 B2.05 Double Bedroom	0.638
2 B2.05 Living/Kitchen	1.338
2 B2.06 Double Bedroom	0.453
2 B2.06 Double Bedroom	0.494
2 B2.06 Living/Kitchen	1.345
2 B2.07 Double Bedroom	0.527
2 B2.07 Double Bedroom	0.453
2 B2.07 Living/Kitchen	1.348
2 B2.08 Double Bedroom	0.521
2 B2.08 Living/Kitchen	1.306
2 B2.08 Single Bedroom	0.4
2 B2.09 Double Bedroom	0.486
2 B2.09 Double Bedroom	0.654
2 B2.09 Living/Kitchen	1.721
2 B2.10 Double Bedroom	0.831
2 B2.10 Living/Kitchen	1.614
2 B2.10 Single Bedroom	0.844
3 A3.01 Double Bedroom	0.657
3 A3.01 Living/Kitchen	1.459
3 A3.02 Double Bedroom	0.842
3 A3.02 Living/Kitchen	1.457
3 A3.02 Single Bedroom	0.847
3 A3.03 Double Bedroom	0.827
3 A3.03 Living/Kitchen	2.024
3 A3.03 Twin Bedroom	0.697
3 A3.04 Double Bedroom	0.476
3 A3.04 Living/Kitchen	2.526
3 A3.04 Single Bedroom	0.618
3 A3.04 Twin Bedroom	0.481
3 A3.05 Double Bedroom	0.391
3 A3.05 Living/Kitchen	1.406
3 A3.05 Single Bedroom	0.37
3 A3.05 Twin Bedroom	0.627
3 A3.06 Double Bedroom	0.621
3 A3.06 Living/Kitchen	1.157
3 A3.07 Double Bedroom	0.526
3 A3.07 Living/Kitchen	1.239
3 A3.07 Single Bedroom	0.542
3 B3.01 Double Bedroom	0.824
3 B3.01 Living/Kitchen	1.549
3 B3.01 Single Bedroom	0.844
3 B3.02 Double Bedroom	0.813
3 B3.02 Double Bedroom	0.828
3 B3.02 Living/Kitchen	1.641
3 B3.03 Double Bedroom	0.723
3 B3.03 Double Bedroom	0.834

3.001.3 PPL DMS

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3 B3.03 Living/Kitchen	1.626
3 B3.04 Double Bedroom	0.635
3 B3.04 Living/Kitchen	1.485
3 B3.05 Double Bedroom	0.646
3 B3.05 Double Bedroom	0.662
3 B3.05 Living/Kitchen	1.364
3 B3.06 Double Bedroom	0.464
3 B3.06 Double Bedroom	0.5
3 B3.06 Living/Kitchen	1.358
3 B3.07 Double Bedroom	0.462
3 B3.07 Double Bedroom	0.535
3 B3.07 Living/Kitchen	1.356
3 B3.08 Double Bedroom	0.525
3 B3.08 Living/Kitchen	1.318
3 B3.08 Single Bedroom	0.402
3 B3.09 Double Bedroom	0.656
3 B3.09 Double Bedroom	0.488
3 B3.09 Living/Kitchen	1.727
3 B3.10 Double Bedroom	0.834
3 B3.10 Living/Kitchen	1.622
3 B3.10 Single Bedroom	0.847
4 A4.01 Double Bedroom	0.665
4 A4.01 Living/Kitchen	1.465
4 A4.02 Double Bedroom	0.845
4 A4.02 Living/Kitchen	1.464
4 A4.02 Single Bedroom	0.848
4 A4.03 Double Bedroom	1.206
4 A4.03 Living/Kitchen	1.79
4 A4.03 Single Bedroom	0.565
4 A4.03 Twin Bedroom	1.989
4 A4.04 Double Bedroom	0.916
4 A4.04 Living/Kitchen	1.197
4 B4.01 Double Bedroom	0.824
4 B4.01 Living/Kitchen	1.549
4 B4.01 Single Bedroom	0.845
4 B4.02 Double Bedroom	0.828
4 B4.02 Double Bedroom	0.815
4 B4.02 Living/Kitchen	1.643
4 B4.03 Double Bedroom	0.724
4 B4.03 Double Bedroom	0.835
4 B4.03 Living/Kitchen	1.628
4 B4.04 Double Bedroom	0.635
4 B4.04 Living/Kitchen	1.489
4 B4.05 Double Bedroom	0.665
4 B4.05 Double Bedroom	0.654
4 B4.05 Living/Kitchen	1.38
4 B4.06 Double Bedroom	0.466
4 B4.06 Double Bedroom	0.501
4 B4.06 Living/Kitchen	1.359
4 B4.07 Double Bedroom	0.537
4 B4.07 Double Bedroom	0.463
4 B4.07 Living/Kitchen	1.357
4 B4.08 Double Bedroom	0.526
4 B4.08 Living/Kitchen	1.319
4 B4.08 Single Bedroom	0.402
4 B4.09 Double Bedroom	0.489
4 B4.09 Double Bedroom	0.656
4 B4.09 Living/Kitchen	1.728
4 B4.10 Double Bedroom	0.834
4 B4.10 Living/Kitchen	1.623
4 B4.10 Single Bedroom	0.848
5 A5.01 Double Bedroom	0.663
5 A5.01 Living/Kitchen	1.461
5 A5.02 Double Bedroom	0.845
5 A5.02 Living/Kitchen	1.555
5 A5.02 Single Bedroom	0.86
5 A5.03 Double Bedroom	0.886
5 A5.03 Living/Kitchen	1.759
5 A5.03 Twin Bedroom	1.354
5 A5.04 Double Bedroom	0.946
5 A5.04 Living/Kitchen	1.24
5 B5.01 Double Bedroom	0.824
5 B5.01 Living/Kitchen	1.55
5 B5.01 Single Bedroom	0.844
5 B5.02 Double Bedroom	0.827
5 B5.02 Double Bedroom	0.816
5 B5.02 Living/Kitchen	1.646
5 B5.03 Double Bedroom	0.835
5 B5.03 Double Bedroom	0.725
5 B5.03 Living/Kitchen	1.631
5 B5.04 Double Bedroom	0.624
5 B5.04 Living/Kitchen	1.486
5 B5.05 Double Bedroom	0.667
5 B5.05 Double Bedroom	0.656
5 B5.05 Living/Kitchen	1.406
5 B5.06 Double Bedroom	0.503
5 B5.06 Double Bedroom	0.467
5 B5.06 Living/Kitchen	1.361

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5 B5.07 Double Bedroom	0.536
5 B5.07 Double Bedroom	0.463
5 B5.07 Living/Kitchen	1.359
5 B5.08 Double Bedroom	0.527
5 B5.08 Living/Kitchen	1.318
5 B5.08 Single Bedroom	0.402
5 B5.09 Double Bedroom	0.489
5 B5.09 Double Bedroom	0.656
5 B5.09 Living/Kitchen	1.732
5 B5.10 Double Bedroom	0.835
5 B5.10 Living/Kitchen	1.624
5 B5.10 Single Bedroom	0.847
6 B6.01 Double Bedroom	0.844
6 B6.01 Living/Kitchen	1.612
6 B6.01 Single Bedroom	0.853
6 B6.02 Double Bedroom	0.823
6 B6.02 Double Bedroom	0.847
6 B6.02 Living/Kitchen	1.731
6 B6.03 Double Bedroom	0.834
6 B6.03 Double Bedroom	0.849
6 B6.03 Living/Kitchen	1.727
6 B6.04 Double Bedroom	1.223
6 B6.04 Double Bedroom	0.78
6 B6.04 Living/Kitchen	2.634
6 B6.04 Single Bedroom	0.82
6 B6.05 Double Bedroom	0.645
6 B6.05 Double Bedroom	0.643
6 B6.05 Living/Kitchen	1.738
6 B6.06 Double Bedroom	0.625
6 B6.06 Double Bedroom	0.656
6 B6.06 Living/Kitchen	1.396
6 B6.07 Double Bedroom	0.658
6 B6.07 Double Bedroom	0.53
6 B6.07 Living/Kitchen	1.393
6 B6.08 Double Bedroom	0.629
6 B6.08 Living/Kitchen	1.341
6 B6.08 Single Bedroom	0.508
6 B6.09 Double Bedroom	0.495
6 B6.09 Double Bedroom	0.657
6 B6.09 Living/Kitchen	1.859
6 B6.10 Double Bedroom	0.84
6 B6.10 Living/Kitchen	1.722
6 B6.10 Single Bedroom	0.851

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Appendix C

Future 2020 DSY1, high emissions, 50% percentile results

3.001.3 PPL DMS

QMS ISO 14001 REGISTERED

QMS ISO 9001 REGISTERED

Table C.1 Number of hours over 24°C and 26°C with the cooling profile set to off and on continuously respectively for the bedrooms

Room reference	No Cooling		Cooling	
	> 24.00	> 26.00	> 24.00	> 26.00
0 A0.01 Double Bedroom	1141	298	1970	0
0 A0.01 Twin Bedroom	931	216	1585	0
0 A0.02 Double Bedroom	1479	439	2270	0
0 A0.03 Double Bedroom	1576	475	2963	0
0 A0.03 Twin Bedroom	1956	903	3080	0
0 A0.04 Double Bedroom	1365	324	2764	0
0 A0.04 Twin Bedroom	1436	367	2832	0
0 A0.05 Double Bedroom	1216	250	2502	0
0 A0.05 Single Bedroom	1247	280	2685	0
0 A0.05 Twin Bedroom	600	107	1338	0
0 A0.06 Double Bedroom	1108	205	2226	0
0 A0.06 Single Bedroom	1275	308	2643	0
0 A0.06 Twin Bedroom	678	140	1530	0
0 A0.07 Double Bedroom	726	104	1640	0
0 A0.07 Twin Bedroom	677	143	1521	0
0 B0.02 Double Bedroom	1411	443	2283	0
0 B0.02 Single Bedroom	1469	518	2660	0
0 B0.03 Double Bedroom	1322	410	2205	0
0 B0.03 Single Bedroom	1379	442	2599	0
1 A1.01 Double Bedroom	1653	518	2885	0
1 A1.02 Double Bedroom	1858	795	3160	0
1 A1.02 Single Bedroom	1974	937	3331	0
1 A1.03 Double Bedroom	1916	819	3139	0
1 A1.03 Twin Bedroom	2100	1031	3317	0
1 A1.04 Double Bedroom	1707	643	3195	0
1 A1.04 Single Bedroom	1631	558	3118	0
1 A1.04 Twin Bedroom	1852	808	3211	0
1 A1.05 Double Bedroom	1448	397	2884	0
1 A1.05 Single Bedroom	1511	514	3018	0
1 A1.05 Twin Bedroom	1521	506	2971	0
1 A1.06 Double Bedroom	1453	420	2820	0
1 A1.07 Double Bedroom	1658	637	2907	0
1 A1.07 Twin Bedroom	1659	610	2928	0
1 A1.08 Double Bedroom	1475	468	2830	0
1 A1.09 Double Bedroom	1385	358	2815	0
1 A1.10 Double Bedroom	1302	286	2690	0
1 A1.10 Single Bedroom	1505	503	2994	0
1 B1.01 Double Bedroom	1911	826	3134	0
1 B1.01 Single Bedroom	1989	888	3269	0
1 B1.02 Double Bedroom	1820	721	2978	0
1 B1.02 Double Bedroom	1963	868	3197	0
1 B1.03 Double Bedroom	1862	758	3120	0
1 B1.03 Double Bedroom	1816	731	3033	0
1 B1.04 Double Bedroom	1739	605	2940	0
1 B1.05 Double Bedroom	1472	491	2675	0
1 B1.05 Double Bedroom	1499	478	2595	0
1 B1.06 Double Bedroom	1440	420	2603	0
1 B1.06 Double Bedroom	1359	350	2456	0
1 B1.07 Double Bedroom	1450	428	2601	0
1 B1.07 Double Bedroom	1285	295	2182	0
1 B1.08 Double Bedroom	1665	497	3006	0
1 B1.08 Single Bedroom	1617	521	3089	0
1 B1.09 Double Bedroom	1611	472	2967	0
1 B1.09 Double Bedroom	1737	643	3149	0
1 B1.10 Double Bedroom	1926	798	3178	0
1 B1.10 Single Bedroom	2024	871	3351	0
2 A2.01 Double Bedroom	1853	679	3086	0
2 A2.02 Double Bedroom	2011	931	3355	0
2 A2.02 Single Bedroom	2096	1047	3561	0
2 A2.03 Double Bedroom	2005	923	3297	0
2 A2.03 Twin Bedroom	2115	1040	3423	0
2 A2.04 Double Bedroom	1764	722	3267	0
2 A2.04 Single Bedroom	1692	638	3187	0
2 A2.04 Twin Bedroom	1916	881	3275	0
2 A2.05 Double Bedroom	1526	414	2884	0
2 A2.05 Single Bedroom	1519	466	2947	0
2 A2.06 Double Bedroom	1542	536	2981	0
2 A2.06 Double Bedroom	1503	397	2851	0
2 A2.07 Double Bedroom	1936	996	3090	0
2 A2.07 Single Bedroom	2036	1056	3339	0
2 A2.08 Double Bedroom	1725	676	3001	0
2 A2.09 Double Bedroom	1596	571	3067	0
2 A2.10 Double Bedroom	1507	402	2856	0
2 A2.10 Single Bedroom	1673	657	3163	0
2 B2.01 Double Bedroom	1978	904	3259	0
2 B2.01 Single Bedroom	2089	1008	3443	0
2 B2.02 Double Bedroom	2078	986	3370	0
2 B2.02 Double Bedroom	1924	803	3107	0
2 B2.03 Double Bedroom	1948	826	3229	0
2 B2.03 Double Bedroom	1986	874	3308	0
2 B2.04 Double Bedroom	1909	742	3147	0
2 B2.05 Double Bedroom	1824	872	3146	0
2 B2.05 Double Bedroom	1837	875	3071	0

3.001.3 PPL DMS

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2 B2.06 Double Bedroom	1817	800	3147	0
2 B2.06 Double Bedroom	1723	664	3002	0
2 B2.07 Double Bedroom	1614	530	2860	0
2 B2.07 Double Bedroom	1826	812	3133	0
2 B2.08 Double Bedroom	1796	757	3148	0
2 B2.08 Single Bedroom	1801	746	3294	0
2 B2.09 Double Bedroom	1741	685	3067	0
2 B2.09 Double Bedroom	1862	887	3265	0
2 B2.10 Double Bedroom	2052	981	3281	0
2 B2.10 Single Bedroom	2146	1077	3492	0
3 A3.01 Double Bedroom	1904	735	3155	0
3 A3.02 Double Bedroom	2040	971	3409	0
3 A3.02 Single Bedroom	2123	1081	3649	0
3 A3.03 Double Bedroom	2071	996	3300	0
3 A3.03 Twin Bedroom	2159	1099	3417	0
3 A3.04 Double Bedroom	1929	938	3273	0
3 A3.04 Single Bedroom	1837	878	3287	0
3 A3.04 Twin Bedroom	1838	845	3320	0
3 A3.05 Double Bedroom	1661	460	3000	0
3 A3.05 Single Bedroom	1449	375	2958	0
3 A3.05 Twin Bedroom	1859	804	3060	0
3 A3.06 Double Bedroom	1757	745	3162	0
3 A3.07 Double Bedroom	1626	496	2911	0
3 A3.07 Single Bedroom	1822	817	3243	0
3 B3.01 Double Bedroom	1996	928	3298	0
3 B3.01 Single Bedroom	2107	1030	3488	0
3 B3.02 Double Bedroom	1944	831	3145	0
3 B3.02 Double Bedroom	2107	1022	3415	0
3 B3.03 Double Bedroom	2017	906	3360	0
3 B3.03 Double Bedroom	1976	861	3270	0
3 B3.04 Double Bedroom	1951	787	3202	0
3 B3.05 Double Bedroom	1908	982	3150	0
3 B3.05 Double Bedroom	1887	973	3277	0
3 B3.06 Double Bedroom	1909	918	3281	0
3 B3.06 Double Bedroom	1804	766	3119	0
3 B3.07 Double Bedroom	1910	915	3260	0
3 B3.07 Double Bedroom	1710	628	2963	0
3 B3.08 Double Bedroom	1834	818	3184	0
3 B3.08 Single Bedroom	1842	806	3329	0
3 B3.09 Double Bedroom	1884	933	3283	0
3 B3.09 Double Bedroom	1772	735	3098	0
3 B3.10 Double Bedroom	2078	1019	3302	0
3 B3.10 Single Bedroom	2175	1117	3526	0
4 A4.01 Double Bedroom	1952	792	3187	0
4 A4.02 Double Bedroom	2068	1001	3421	0
4 A4.02 Single Bedroom	2166	1126	3658	0
4 A4.03 Double Bedroom	2169	1276	3087	0
4 A4.03 Single Bedroom	1868	914	3126	0
4 A4.03 Twin Bedroom	2478	1645	2977	0
4 A4.04 Double Bedroom	2049	1104	3157	0
4 B4.01 Double Bedroom	2000	932	3305	0
4 B4.01 Single Bedroom	2116	1039	3496	0
4 B4.02 Double Bedroom	2114	1034	3421	0
4 B4.02 Double Bedroom	1950	838	3154	0
4 B4.03 Double Bedroom	2035	922	3371	0
4 B4.03 Double Bedroom	1990	882	3279	0
4 B4.04 Double Bedroom	1967	803	3214	0
4 B4.05 Double Bedroom	1914	999	3320	0
4 B4.05 Double Bedroom	1942	1031	3191	0
4 B4.06 Double Bedroom	1939	953	3311	0
4 B4.06 Double Bedroom	1823	800	3146	0
4 B4.07 Double Bedroom	1731	653	2988	0
4 B4.07 Double Bedroom	1936	940	3281	0
4 B4.08 Double Bedroom	1840	828	3185	0
4 B4.08 Single Bedroom	1857	824	3341	0
4 B4.09 Double Bedroom	1776	746	3101	0
4 B4.09 Double Bedroom	1889	942	3287	0
4 B4.10 Double Bedroom	2085	1031	3305	0
4 B4.10 Single Bedroom	2190	1129	3536	0
5 A5.01 Double Bedroom	2052	927	3172	0
5 A5.02 Double Bedroom	2070	1030	3376	0
5 A5.02 Single Bedroom	2182	1179	3582	0
5 A5.03 Double Bedroom	1931	941	2957	0
5 A5.03 Twin Bedroom	2325	1470	3085	0
5 A5.04 Double Bedroom	2096	1200	3162	0
5 B5.01 Double Bedroom	2009	940	3303	0
5 B5.01 Single Bedroom	2128	1057	3487	0
5 B5.02 Double Bedroom	2119	1045	3421	0
5 B5.02 Double Bedroom	1957	847	3144	0
5 B5.03 Double Bedroom	2010	910	3283	0
5 B5.03 Double Bedroom	2055	947	3380	0
5 B5.04 Double Bedroom	2003	847	3209	0
5 B5.05 Double Bedroom	1924	1026	3327	0
5 B5.05 Double Bedroom	1970	1057	3207	0
5 B5.06 Double Bedroom	1837	822	3153	0
5 B5.06 Double Bedroom	1948	968	3315	0
5 B5.07 Double Bedroom	1731	655	2967	0
5 B5.07 Double Bedroom	1945	952	3277	0

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5 B5.08 Double Bedroom	1845	842	3178	0
5 B5.08 Single Bedroom	1861	833	3336	0
5 B5.09 Double Bedroom	1774	749	3083	0
5 B5.09 Double Bedroom	1888	945	3276	0
5 B5.10 Double Bedroom	2089	1037	3305	0
5 B5.10 Single Bedroom	2194	1146	3513	0
6 B6.01 Double Bedroom	2026	976	3251	0
6 B6.01 Single Bedroom	2172	1138	3450	0
6 B6.02 Double Bedroom	1953	859	3074	0
6 B6.02 Double Bedroom	2124	1074	3363	0
6 B6.03 Double Bedroom	2035	957	3226	0
6 B6.03 Double Bedroom	2141	1079	3384	0
6 B6.04 Double Bedroom	2288	1356	3310	0
6 B6.04 Double Bedroom	2011	1025	3022	0
6 B6.04 Single Bedroom	2111	1104	3436	0
6 B6.05 Double Bedroom	1930	995	3196	0
6 B6.05 Double Bedroom	1984	1086	3196	0
6 B6.06 Double Bedroom	1885	926	3135	0
6 B6.06 Double Bedroom	1969	1057	3307	0
6 B6.07 Double Bedroom	1972	1043	3233	0
6 B6.07 Double Bedroom	1692	600	2881	0
6 B6.08 Double Bedroom	1862	881	3127	0
6 B6.08 Single Bedroom	1906	922	3310	0
6 B6.09 Double Bedroom	1748	724	3010	0
6 B6.09 Double Bedroom	1878	931	3183	0
6 B6.10 Double Bedroom	2091	1071	3245	0
6 B6.10 Single Bedroom	2186	1171	3442	0

3.001.3 PPL DMS

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Table C.2 Number of hours over 26°C with the cooling profile set to off and on continuously respectively for the living/kitchen areas

Room reference	No Cooling		Cooling	
	> 24.00	> 26.00	> 24.00	> 26.00
0 A0.01 Living/Kitchen	1082	307	1509	0
0 A0.02 Living/Kitchen	1224	378	1637	0
0 A0.03 Living/Kitchen	2344	1328	2983	0
0 A0.04 Living/Kitchen	1249	297	2234	0
0 A0.05 Living/Kitchen	730	141	1363	0
0 A0.06 Living/Kitchen	730	144	1377	0
0 A0.07 Living/Kitchen	788	163	1383	0
0 B0.02 Living/Kitchen	1344	446	1780	0
0 B0.03 Living/Kitchen	1370	475	1803	0
1 A1.01 Living/Kitchen	1699	632	2661	0
1 A1.02 Living/Kitchen	1878	758	2739	0
1 A1.03 Living/Kitchen	2406	1362	3071	0
1 A1.04 Living/Kitchen	2416	1426	3118	0
1 A1.05 Living/Kitchen	1543	488	2650	0
1 A1.06 Living/Kitchen	1350	368	2362	0
1 A1.07 Living/Kitchen	1324	350	2107	0
1 A1.08 Living/Kitchen	1376	384	2445	0
1 A1.09 Living/Kitchen	1226	308	2271	0
1 A1.10 Living/Kitchen	1544	511	2416	0
1 B1.01 Living/Kitchen	2011	810	2846	0
1 B1.02 Living/Kitchen	2032	903	2834	0
1 B1.03 Living/Kitchen	2068	939	2862	0
1 B1.04 Living/Kitchen	1711	631	2664	0
1 B1.05 Living/Kitchen	1499	510	2086	0
1 B1.06 Living/Kitchen	1680	698	2334	0
1 B1.07 Living/Kitchen	1692	723	2353	0
1 B1.08 Living/Kitchen	1729	648	2495	0
1 B1.09 Living/Kitchen	1931	751	2550	0
1 B1.10 Living/Kitchen	2009	793	2854	0
2 A2.01 Living/Kitchen	1927	784	2929	0
2 A2.02 Living/Kitchen	2045	901	3016	0
2 A2.03 Living/Kitchen	2428	1412	3106	0
2 A2.04 Living/Kitchen	2469	1518	3159	0
2 A2.05 Living/Kitchen	1596	486	2605	0
2 A2.06 Living/Kitchen	1739	644	2695	0
2 A2.07 Living/Kitchen	2193	1117	3201	0
2 A2.08 Living/Kitchen	1707	587	2711	0
2 A2.09 Living/Kitchen	1479	437	2606	0
2 A2.10 Living/Kitchen	1802	713	2769	0
2 B2.01 Living/Kitchen	2159	1002	3107	0
2 B2.02 Living/Kitchen	2202	1060	3081	0
2 B2.03 Living/Kitchen	2232	1120	3110	0
2 B2.04 Living/Kitchen	1918	777	2930	0
2 B2.05 Living/Kitchen	1899	918	2723	0
2 B2.06 Living/Kitchen	2123	1126	3028	0
2 B2.07 Living/Kitchen	2143	1142	3040	0
2 B2.08 Living/Kitchen	2020	952	2902	0
2 B2.09 Living/Kitchen	2090	987	2760	0
2 B2.10 Living/Kitchen	2191	1034	3125	0
3 A3.01 Living/Kitchen	1976	834	2986	0
3 A3.02 Living/Kitchen	2100	961	3080	0
3 A3.03 Living/Kitchen	2440	1471	3084	0
3 A3.04 Living/Kitchen	2500	1608	3132	0
3 A3.05 Living/Kitchen	2184	1085	3055	0
3 A3.06 Living/Kitchen	1809	755	2789	0
3 A3.07 Living/Kitchen	1926	841	2895	0
3 B3.01 Living/Kitchen	2201	1053	3146	0
3 B3.02 Living/Kitchen	2244	1107	3147	0
3 B3.03 Living/Kitchen	2267	1165	3177	0
3 B3.04 Living/Kitchen	1972	823	2986	0
3 B3.05 Living/Kitchen	2012	1046	2895	0
3 B3.06 Living/Kitchen	2238	1244	3179	0
3 B3.07 Living/Kitchen	2251	1256	3181	0
3 B3.08 Living/Kitchen	2087	1039	2994	0
3 B3.09 Living/Kitchen	2113	1027	2790	0
3 B3.10 Living/Kitchen	2230	1103	3169	0
4 A4.01 Living/Kitchen	2005	888	3003	0
4 A4.02 Living/Kitchen	2200	1069	3096	0
4 A4.03 Living/Kitchen	2458	1455	3203	0
4 A4.04 Living/Kitchen	1937	901	2919	0
4 B4.01 Living/Kitchen	2214	1072	3158	0
4 B4.02 Living/Kitchen	2255	1130	3158	0
4 B4.03 Living/Kitchen	2278	1179	3188	0
4 B4.04 Living/Kitchen	1990	855	2997	0
4 B4.05 Living/Kitchen	2080	1126	2961	0
4 B4.06 Living/Kitchen	2257	1279	3212	0
4 B4.07 Living/Kitchen	2276	1285	3218	0
4 B4.08 Living/Kitchen	2111	1048	3004	0
4 B4.09 Living/Kitchen	2131	1050	2796	0
4 B4.10 Living/Kitchen	2245	1131	3176	0
5 A5.01 Living/Kitchen	2083	980	2992	0
5 A5.02 Living/Kitchen	2303	1239	3117	0
5 A5.03 Living/Kitchen	2436	1467	3058	0

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5 A5.04 Living/Kitchen	2013	1058	2937	0
5 B5.01 Living/Kitchen	2247	1127	3164	0
5 B5.02 Living/Kitchen	2278	1166	3157	0
5 B5.03 Living/Kitchen	2302	1213	3194	0
5 B5.04 Living/Kitchen	2032	901	2980	0
5 B5.05 Living/Kitchen	2150	1228	3003	0
5 B5.06 Living/Kitchen	2253	1281	3208	0
5 B5.07 Living/Kitchen	2276	1296	3218	0
5 B5.08 Living/Kitchen	2110	1052	2994	0
5 B5.09 Living/Kitchen	2152	1102	2795	0
5 B5.10 Living/Kitchen	2265	1169	3181	0
6 B6.01 Living/Kitchen	2363	1312	3189	0
6 B6.02 Living/Kitchen	2359	1313	3168	0
6 B6.03 Living/Kitchen	2367	1325	3173	0
6 B6.04 Living/Kitchen	2604	1749	3027	0
6 B6.05 Living/Kitchen	2188	1331	2886	0
6 B6.06 Living/Kitchen	2217	1278	3146	0
6 B6.07 Living/Kitchen	2272	1323	3187	0
6 B6.08 Living/Kitchen	2105	1079	2920	0
6 B6.09 Living/Kitchen	2255	1278	2844	0
6 B6.10 Living/Kitchen	2368	1335	3190	0

Table C.3 Number of hours over 28°C for the communal corridors

Room reference	> 28.00
-1 A Circulation	0
0 A Circulation	0
1 A Circulation	0
1 B Circulation	0
2 A Circulation	0
2 B Circulation	0
3 A Circulation	0
3 B Circulation	0
4 A Circulation	0
4 B Circulation	0
5 A Circulation	0
5 B Circulation	0
6 B Circulation	0

3.001.3 PPL DMS

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Table C.4 Cooling loads for each apartment

Apartment reference	Cooling load (kW)
0 A0.01 Double Bedroom	0.648
0 A0.01 Living/Kitchen	1.458
0 A0.01 Twin Bedroom	0.794
0 A0.02 Double Bedroom	0.852
0 A0.02 Living/Kitchen	1.418
0 A0.03 Double Bedroom	0.454
0 A0.03 Living/Kitchen	2.612
0 A0.03 Twin Bedroom	0.779
0 A0.04 Double Bedroom	0.452
0 A0.04 Living/Kitchen	1.277
0 A0.04 Twin Bedroom	0.472
0 A0.05 Double Bedroom	0.453
0 A0.05 Living/Kitchen	1.063
0 A0.05 Single Bedroom	0.457
0 A0.05 Twin Bedroom	0.311
0 A0.06 Double Bedroom	0.451
0 A0.06 Living/Kitchen	1.076
0 A0.06 Single Bedroom	0.524
0 A0.06 Twin Bedroom	0.368
0 A0.07 Double Bedroom	0.285
0 A0.07 Living/Kitchen	1.081
0 A0.07 Twin Bedroom	0.357
0 B Community Space	6.87
0 B Meeting Room	0.783
0 B0.02 Double Bedroom	0.839
0 B0.02 Living/Kitchen	1.457
0 B0.02 Single Bedroom	0.674
0 B0.03 Double Bedroom	0.804
0 B0.03 Living/Kitchen	1.456
0 B0.03 Single Bedroom	0.622
1 A1.01 Double Bedroom	0.683
1 A1.01 Living/Kitchen	1.51
1 A1.02 Double Bedroom	0.877
1 A1.02 Living/Kitchen	1.5
1 A1.02 Single Bedroom	0.883
1 A1.03 Double Bedroom	0.867
1 A1.03 Living/Kitchen	2.139
1 A1.03 Twin Bedroom	0.771
1 A1.04 Double Bedroom	0.506
1 A1.04 Living/Kitchen	2.555
1 A1.04 Single Bedroom	0.498
1 A1.04 Twin Bedroom	0.499
1 A1.05 Double Bedroom	0.459
1 A1.05 Living/Kitchen	1.346
1 A1.05 Single Bedroom	0.451
1 A1.05 Twin Bedroom	0.535
1 A1.06 Double Bedroom	0.533
1 A1.06 Living/Kitchen	1.279
1 A1.07 Double Bedroom	0.705
1 A1.07 Living/Kitchen	1.275
1 A1.07 Twin Bedroom	0.681
1 A1.08 Double Bedroom	0.647
1 A1.08 Living/Kitchen	1.187
1 A1.09 Double Bedroom	0.602
1 A1.09 Living/Kitchen	1.153
1 A1.10 Double Bedroom	0.535
1 A1.10 Living/Kitchen	1.227
1 A1.10 Single Bedroom	0.509
1 B1.01 Double Bedroom	0.88
1 B1.01 Living/Kitchen	1.586
1 B1.01 Single Bedroom	0.885
1 B1.02 Double Bedroom	0.854
1 B1.02 Double Bedroom	0.872
1 B1.02 Living/Kitchen	1.703
1 B1.03 Double Bedroom	0.764
1 B1.03 Double Bedroom	0.871
1 B1.03 Living/Kitchen	1.695
1 B1.04 Double Bedroom	0.668
1 B1.04 Living/Kitchen	1.531
1 B1.05 Double Bedroom	0.629
1 B1.05 Double Bedroom	0.632
1 B1.05 Living/Kitchen	1.317
1 B1.06 Double Bedroom	0.46
1 B1.06 Double Bedroom	0.508
1 B1.06 Living/Kitchen	1.323
1 B1.07 Double Bedroom	0.46
1 B1.07 Double Bedroom	0.567
1 B1.07 Living/Kitchen	1.326
1 B1.08 Double Bedroom	0.511
1 B1.08 Living/Kitchen	1.298
1 B1.08 Single Bedroom	0.392
1 B1.09 Double Bedroom	0.483
1 B1.09 Double Bedroom	0.645
1 B1.09 Living/Kitchen	1.767
1 B1.10 Double Bedroom	0.842

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1 B1.10 Living/Kitchen	1.635
1 B1.10 Single Bedroom	0.862
2 A2.01 Double Bedroom	0.706
2 A2.01 Living/Kitchen	1.539
2 A2.02 Double Bedroom	0.893
2 A2.02 Living/Kitchen	1.523
2 A2.02 Single Bedroom	0.895
2 A2.03 Double Bedroom	0.874
2 A2.03 Living/Kitchen	2.111
2 A2.03 Twin Bedroom	0.757
2 A2.04 Double Bedroom	0.507
2 A2.04 Living/Kitchen	2.55
2 A2.04 Single Bedroom	0.503
2 A2.04 Twin Bedroom	0.5
2 A2.05 Double Bedroom	0.488
2 A2.05 Living/Kitchen	1.353
2 A2.05 Single Bedroom	0.454
2 A2.06 Double Bedroom	0.455
2 A2.06 Double Bedroom	0.491
2 A2.06 Living/Kitchen	1.487
2 A2.07 Double Bedroom	0.793
2 A2.07 Living/Kitchen	1.357
2 A2.07 Single Bedroom	0.699
2 A2.08 Double Bedroom	0.661
2 A2.08 Living/Kitchen	1.207
2 A2.09 Double Bedroom	0.652
2 A2.09 Living/Kitchen	1.185
2 A2.10 Double Bedroom	0.559
2 A2.10 Living/Kitchen	1.279
2 A2.10 Single Bedroom	0.54
2 B2.01 Double Bedroom	0.887
2 B2.01 Living/Kitchen	1.644
2 B2.01 Single Bedroom	0.898
2 B2.02 Double Bedroom	0.884
2 B2.02 Double Bedroom	0.864
2 B2.02 Living/Kitchen	1.73
2 B2.03 Double Bedroom	0.885
2 B2.03 Double Bedroom	0.777
2 B2.03 Living/Kitchen	1.72
2 B2.04 Double Bedroom	0.7
2 B2.04 Living/Kitchen	1.562
2 B2.05 Double Bedroom	0.694
2 B2.05 Double Bedroom	0.688
2 B2.05 Living/Kitchen	1.421
2 B2.06 Double Bedroom	0.506
2 B2.06 Double Bedroom	0.54
2 B2.06 Living/Kitchen	1.412
2 B2.07 Double Bedroom	0.599
2 B2.07 Double Bedroom	0.507
2 B2.07 Living/Kitchen	1.414
2 B2.08 Double Bedroom	0.569
2 B2.08 Living/Kitchen	1.386
2 B2.08 Single Bedroom	0.432
2 B2.09 Double Bedroom	0.537
2 B2.09 Double Bedroom	0.692
2 B2.09 Living/Kitchen	1.858
2 B2.10 Double Bedroom	0.884
2 B2.10 Living/Kitchen	1.714
2 B2.10 Single Bedroom	0.9
3 A3.01 Double Bedroom	0.709
3 A3.01 Living/Kitchen	1.543
3 A3.02 Double Bedroom	0.894
3 A3.02 Living/Kitchen	1.526
3 A3.02 Single Bedroom	0.895
3 A3.03 Double Bedroom	0.867
3 A3.03 Living/Kitchen	2.111
3 A3.03 Twin Bedroom	0.751
3 A3.04 Double Bedroom	0.506
3 A3.04 Living/Kitchen	2.603
3 A3.04 Single Bedroom	0.657
3 A3.04 Twin Bedroom	0.51
3 A3.05 Double Bedroom	0.426
3 A3.05 Living/Kitchen	1.485
3 A3.05 Single Bedroom	0.402
3 A3.05 Twin Bedroom	0.681
3 A3.06 Double Bedroom	0.668
3 A3.06 Living/Kitchen	1.229
3 A3.07 Double Bedroom	0.581
3 A3.07 Living/Kitchen	1.307
3 A3.07 Single Bedroom	0.583
3 B3.01 Double Bedroom	0.887
3 B3.01 Living/Kitchen	1.648
3 B3.01 Single Bedroom	0.899
3 B3.02 Double Bedroom	0.866
3 B3.02 Double Bedroom	0.885
3 B3.02 Living/Kitchen	1.733
3 B3.03 Double Bedroom	0.778
3 B3.03 Double Bedroom	0.886

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3 B3.03 Living/Kitchen	1.723
3 B3.04 Double Bedroom	0.703
3 B3.04 Living/Kitchen	1.566
3 B3.05 Double Bedroom	0.692
3 B3.05 Double Bedroom	0.701
3 B3.05 Living/Kitchen	1.443
3 B3.06 Double Bedroom	0.51
3 B3.06 Double Bedroom	0.546
3 B3.06 Living/Kitchen	1.422
3 B3.07 Double Bedroom	0.51
3 B3.07 Double Bedroom	0.604
3 B3.07 Living/Kitchen	1.42
3 B3.08 Double Bedroom	0.572
3 B3.08 Living/Kitchen	1.395
3 B3.08 Single Bedroom	0.433
3 B3.09 Double Bedroom	0.694
3 B3.09 Double Bedroom	0.539
3 B3.09 Living/Kitchen	1.867
3 B3.10 Double Bedroom	0.887
3 B3.10 Living/Kitchen	1.72
3 B3.10 Single Bedroom	0.902
4 A4.01 Double Bedroom	0.715
4 A4.01 Living/Kitchen	1.544
4 A4.02 Double Bedroom	0.896
4 A4.02 Living/Kitchen	1.534
4 A4.02 Single Bedroom	0.897
4 A4.03 Double Bedroom	1.278
4 A4.03 Living/Kitchen	1.874
4 A4.03 Single Bedroom	0.601
4 A4.03 Twin Bedroom	2.052
4 A4.04 Double Bedroom	0.976
4 A4.04 Living/Kitchen	1.261
4 B4.01 Double Bedroom	0.887
4 B4.01 Living/Kitchen	1.649
4 B4.01 Single Bedroom	0.899
4 B4.02 Double Bedroom	0.885
4 B4.02 Double Bedroom	0.867
4 B4.02 Living/Kitchen	1.733
4 B4.03 Double Bedroom	0.778
4 B4.03 Double Bedroom	0.886
4 B4.03 Living/Kitchen	1.723
4 B4.04 Double Bedroom	0.703
4 B4.04 Living/Kitchen	1.566
4 B4.05 Double Bedroom	0.702
4 B4.05 Double Bedroom	0.699
4 B4.05 Living/Kitchen	1.458
4 B4.06 Double Bedroom	0.51
4 B4.06 Double Bedroom	0.547
4 B4.06 Living/Kitchen	1.424
4 B4.07 Double Bedroom	0.605
4 B4.07 Double Bedroom	0.51
4 B4.07 Living/Kitchen	1.421
4 B4.08 Double Bedroom	0.573
4 B4.08 Living/Kitchen	1.397
4 B4.08 Single Bedroom	0.434
4 B4.09 Double Bedroom	0.539
4 B4.09 Double Bedroom	0.694
4 B4.09 Living/Kitchen	1.867
4 B4.10 Double Bedroom	0.887
4 B4.10 Living/Kitchen	1.721
4 B4.10 Single Bedroom	0.902
5 A5.01 Double Bedroom	0.71
5 A5.01 Living/Kitchen	1.54
5 A5.02 Double Bedroom	0.884
5 A5.02 Living/Kitchen	1.626
5 A5.02 Single Bedroom	0.907
5 A5.03 Double Bedroom	0.941
5 A5.03 Living/Kitchen	1.834
5 A5.03 Twin Bedroom	1.408
5 A5.04 Double Bedroom	1.003
5 A5.04 Living/Kitchen	1.306
5 B5.01 Double Bedroom	0.887
5 B5.01 Living/Kitchen	1.649
5 B5.01 Single Bedroom	0.899
5 B5.02 Double Bedroom	0.884
5 B5.02 Double Bedroom	0.868
5 B5.02 Living/Kitchen	1.733
5 B5.03 Double Bedroom	0.885
5 B5.03 Double Bedroom	0.778
5 B5.03 Living/Kitchen	1.723
5 B5.04 Double Bedroom	0.695
5 B5.04 Living/Kitchen	1.566
5 B5.05 Double Bedroom	0.704
5 B5.05 Double Bedroom	0.7
5 B5.05 Living/Kitchen	1.483
5 B5.06 Double Bedroom	0.548
5 B5.06 Double Bedroom	0.51
5 B5.06 Living/Kitchen	1.425

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5 B5.07 Double Bedroom	0.606
5 B5.07 Double Bedroom	0.51
5 B5.07 Living/Kitchen	1.423
5 B5.08 Double Bedroom	0.574
5 B5.08 Living/Kitchen	1.396
5 B5.08 Single Bedroom	0.434
5 B5.09 Double Bedroom	0.54
5 B5.09 Double Bedroom	0.695
5 B5.09 Living/Kitchen	1.868
5 B5.10 Double Bedroom	0.887
5 B5.10 Living/Kitchen	1.722
5 B5.10 Single Bedroom	0.902
6 B6.01 Double Bedroom	0.887
6 B6.01 Living/Kitchen	1.698
6 B6.01 Single Bedroom	0.899
6 B6.02 Double Bedroom	0.876
6 B6.02 Double Bedroom	0.889
6 B6.02 Living/Kitchen	1.805
6 B6.03 Double Bedroom	0.883
6 B6.03 Double Bedroom	0.891
6 B6.03 Living/Kitchen	1.8
6 B6.04 Double Bedroom	1.293
6 B6.04 Double Bedroom	0.827
6 B6.04 Living/Kitchen	2.717
6 B6.04 Single Bedroom	0.862
6 B6.05 Double Bedroom	0.689
6 B6.05 Double Bedroom	0.685
6 B6.05 Living/Kitchen	1.842
6 B6.06 Double Bedroom	0.672
6 B6.06 Double Bedroom	0.693
6 B6.06 Living/Kitchen	1.467
6 B6.07 Double Bedroom	0.696
6 B6.07 Double Bedroom	0.602
6 B6.07 Living/Kitchen	1.463
6 B6.08 Double Bedroom	0.679
6 B6.08 Living/Kitchen	1.43
6 B6.08 Single Bedroom	0.541
6 B6.09 Double Bedroom	0.545
6 B6.09 Double Bedroom	0.698
6 B6.09 Living/Kitchen	1.968
6 B6.10 Double Bedroom	0.885
6 B6.10 Living/Kitchen	1.797
6 B6.10 Single Bedroom	0.895

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Appendix D

Further analysis results

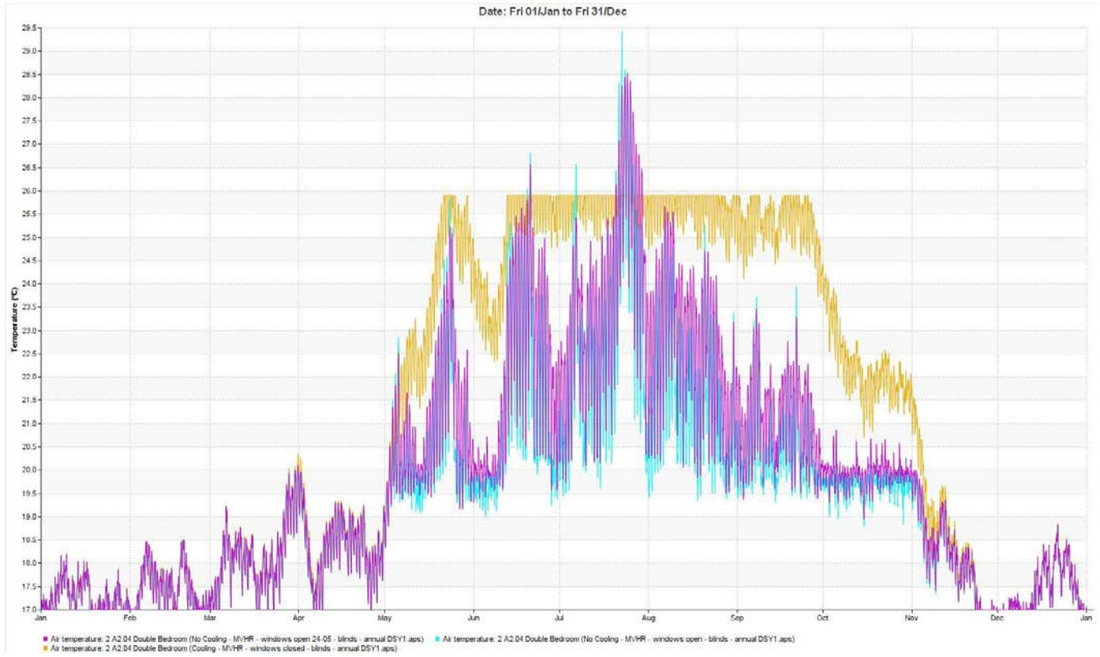
3.001.3 PPL DMS

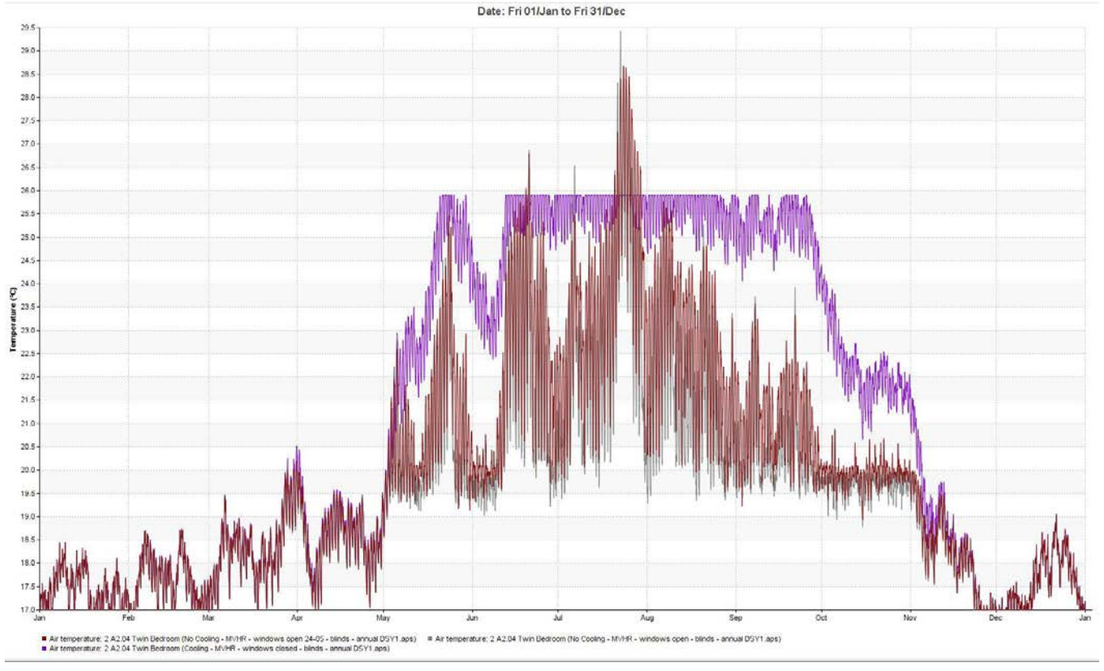
QMS ISO 14001 REGISTERED

QMS ISO 9001 REGISTERED

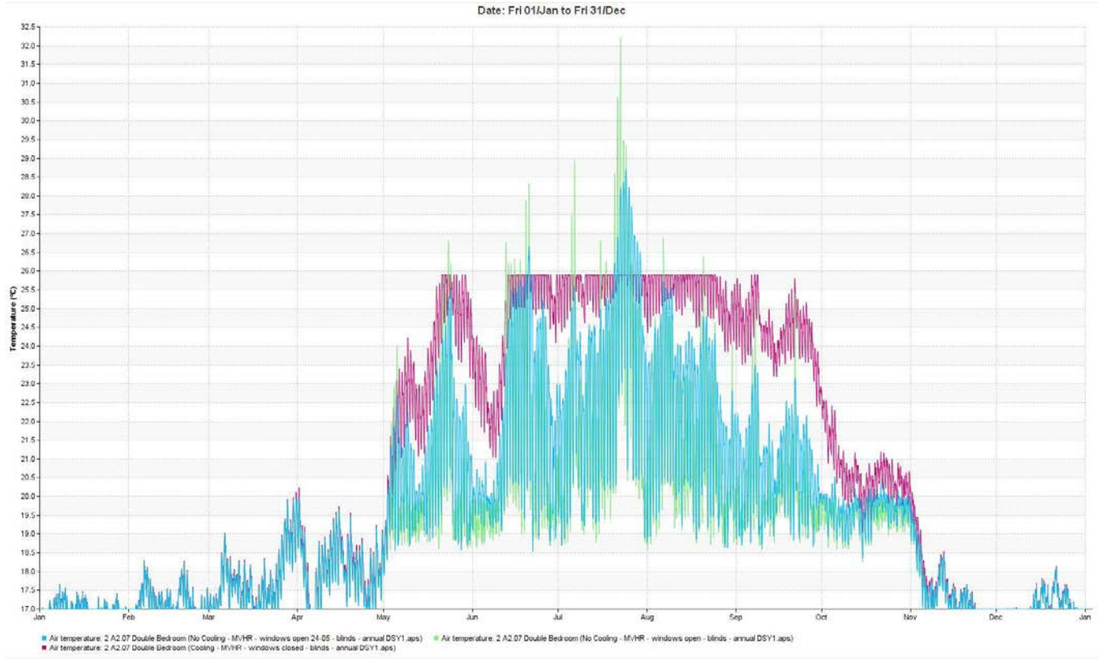
Table D.1 Number of hours exceeding 26°C in sample bedrooms,

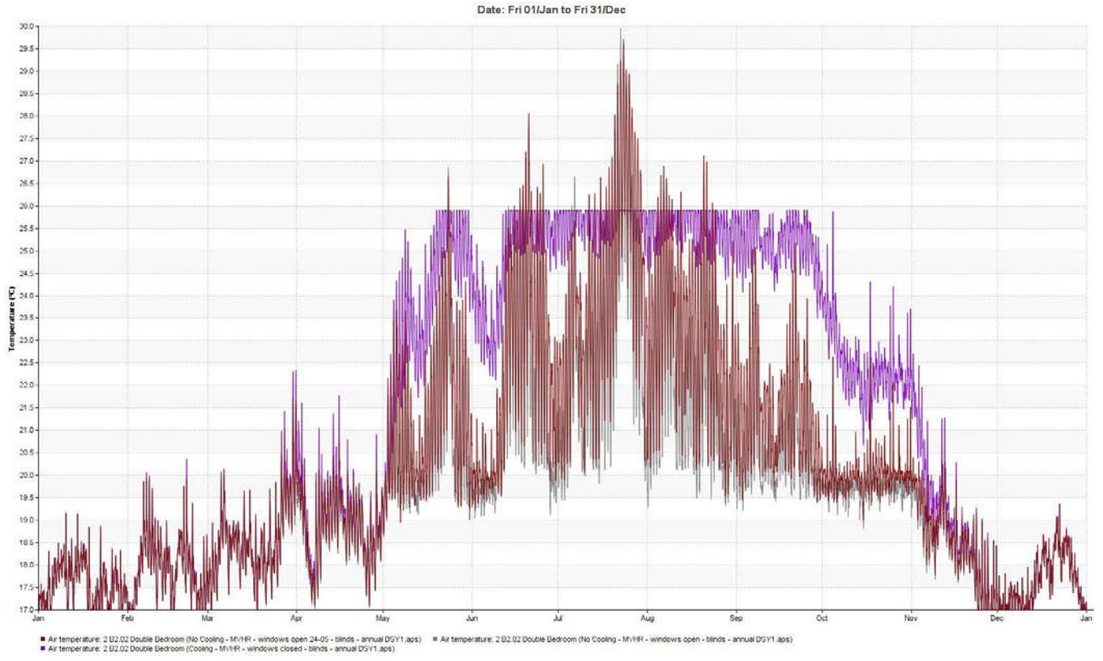
	Simulation 1	Simulation 2	Simulation 3
2 A2.04 Double Bedroom	83	135	0
2 A2.04 Single Bedroom	83	141	0
2 A2.07 Double Bedroom	126	145	0
2 A2.07 Single Bedroom	110	185	0
2 B2.02 Double Bedroom	113	260	0
2 B2.02 Double Bedroom	99	199	0
2 B2.05 Double Bedroom	102	182	0
2 B2.05 Double Bedroom	90	160	0
2 B2.09 Double Bedroom	85	142	0
2 B2.09 Double Bedroom	91	166	0

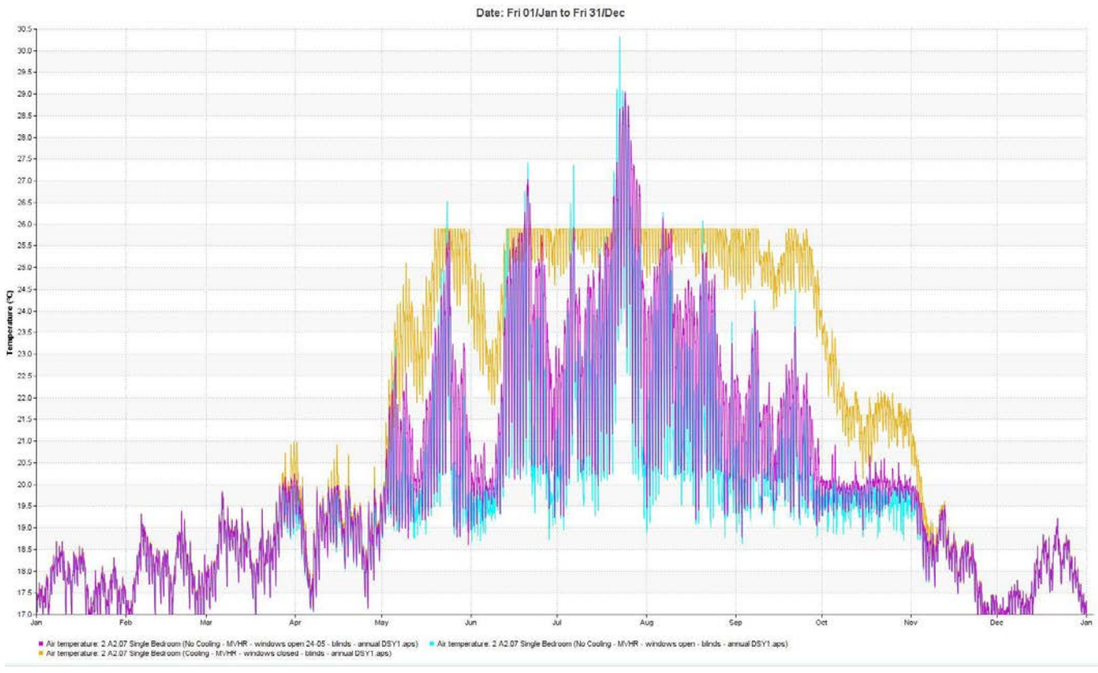


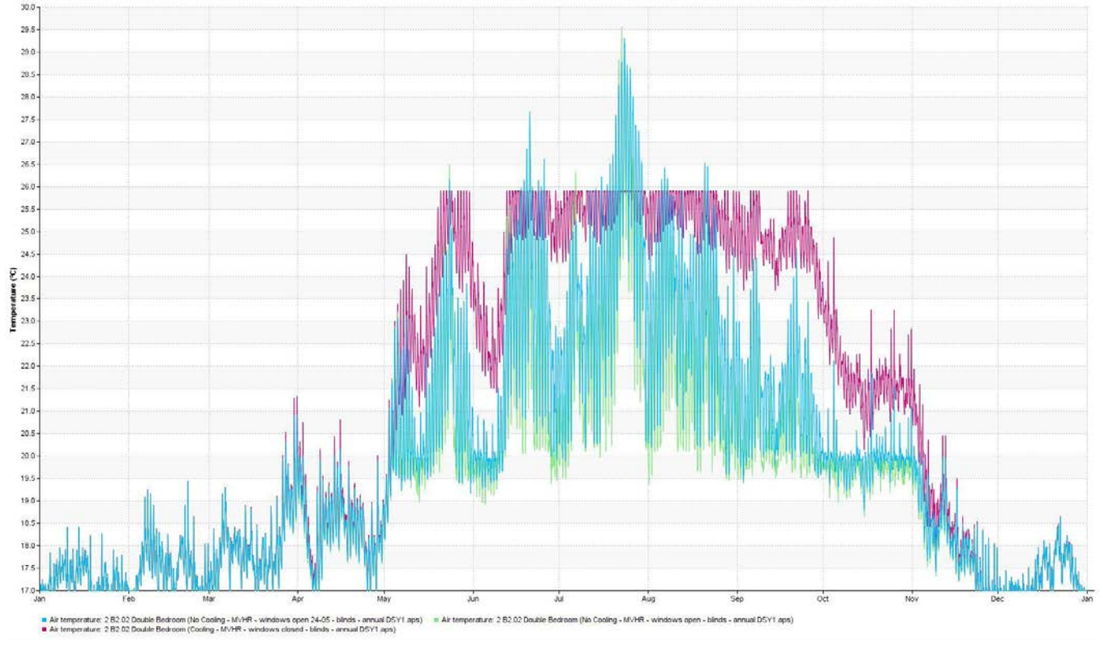


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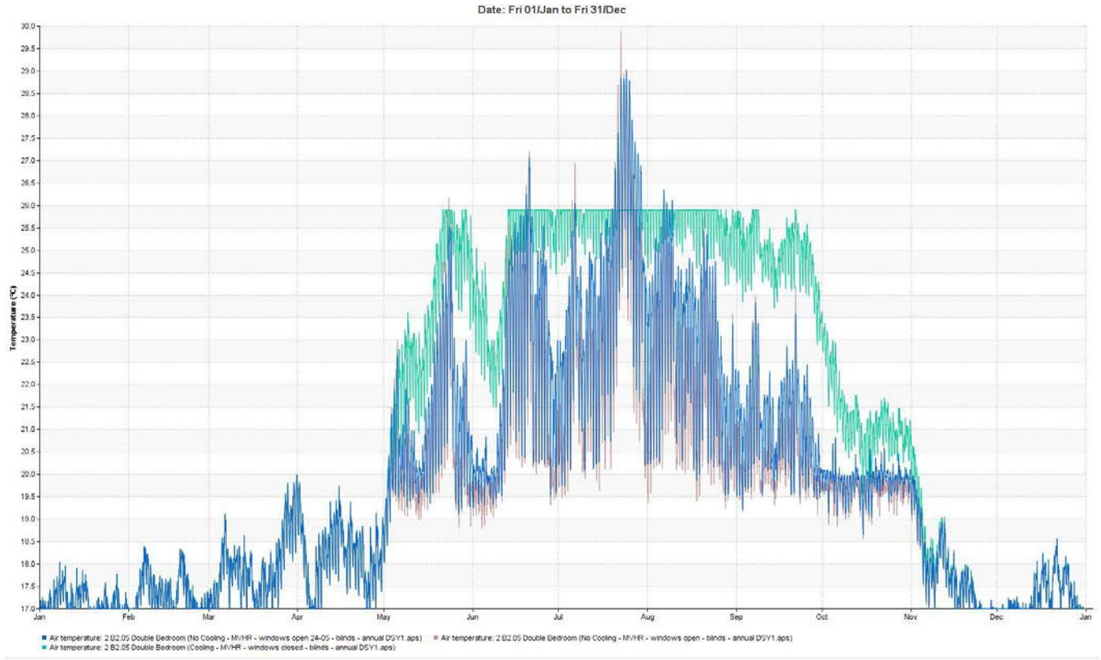


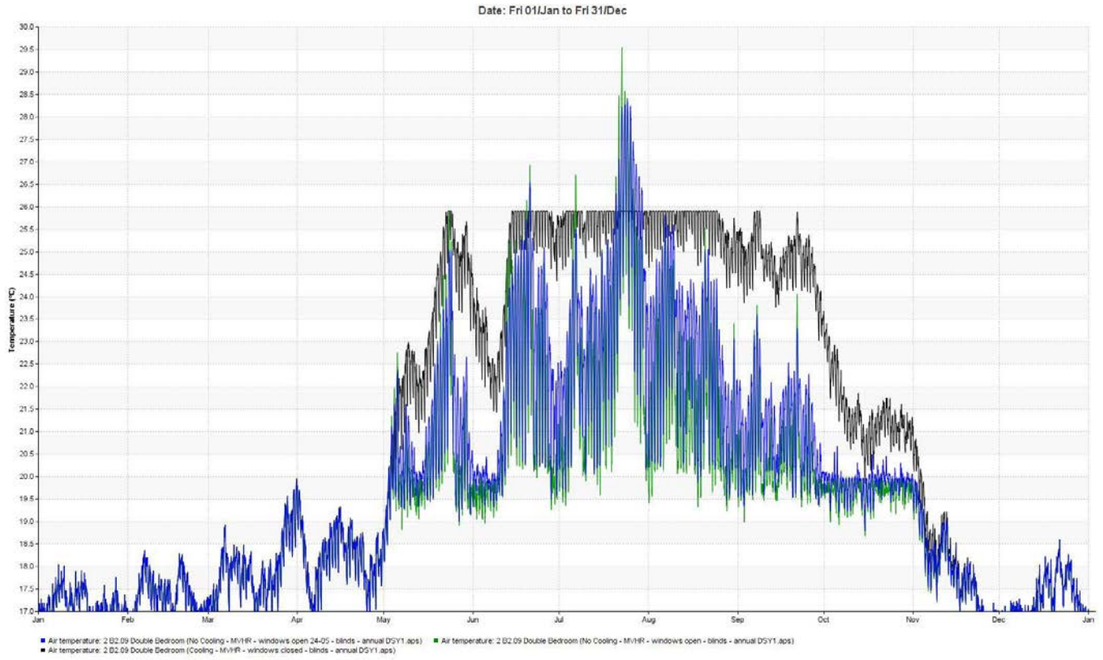


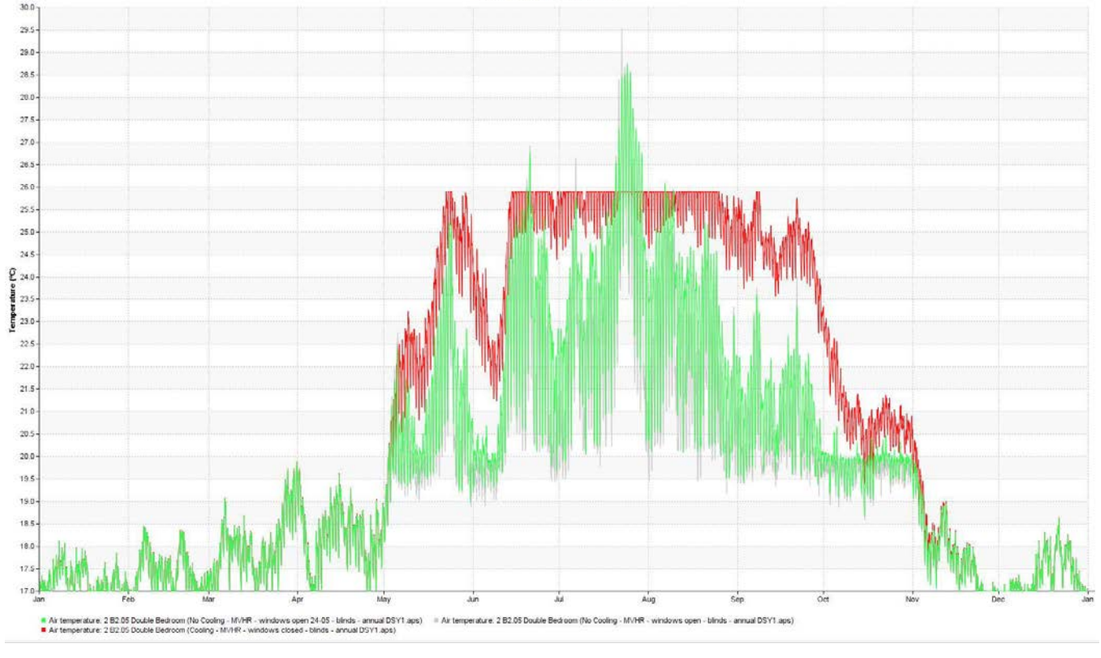


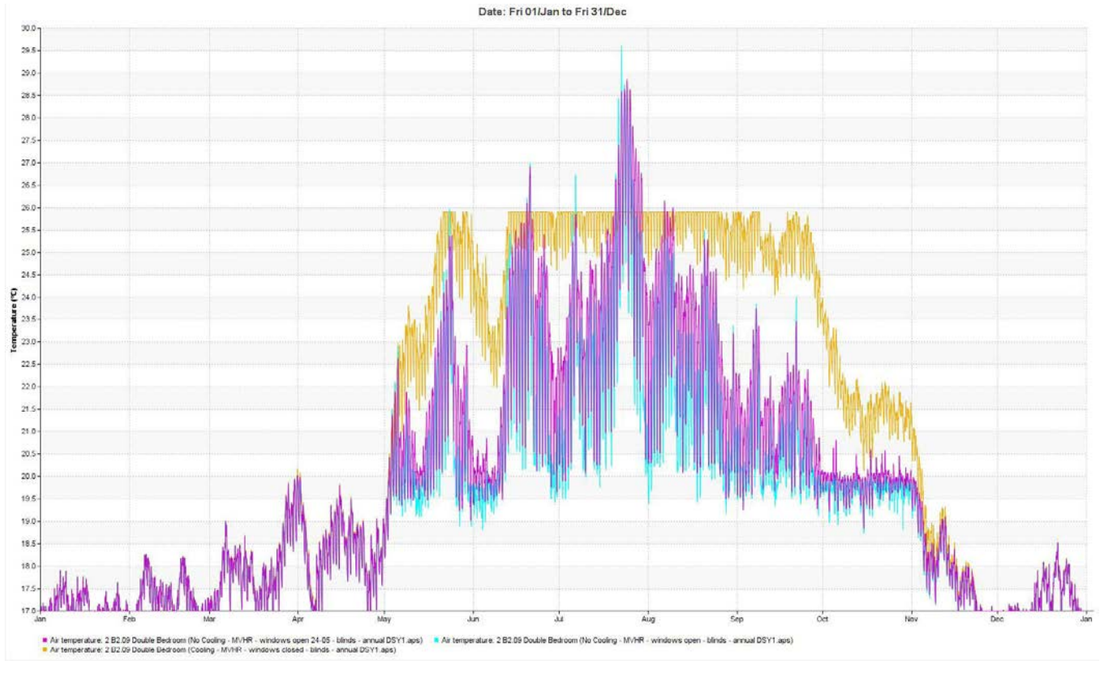


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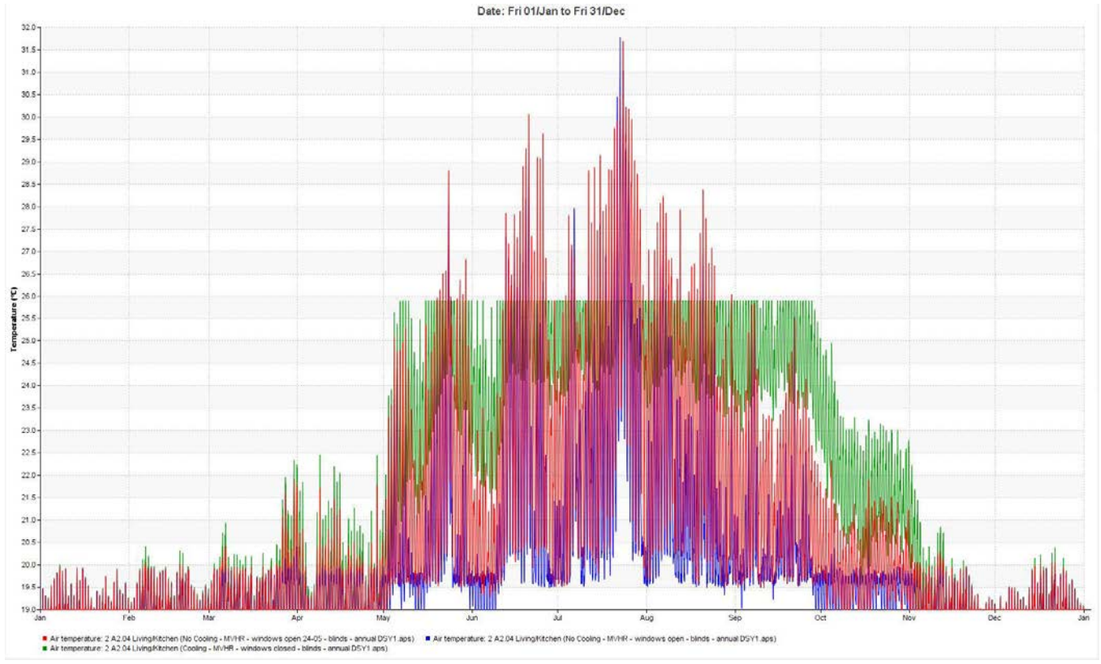
3.001.3 PPL DMS

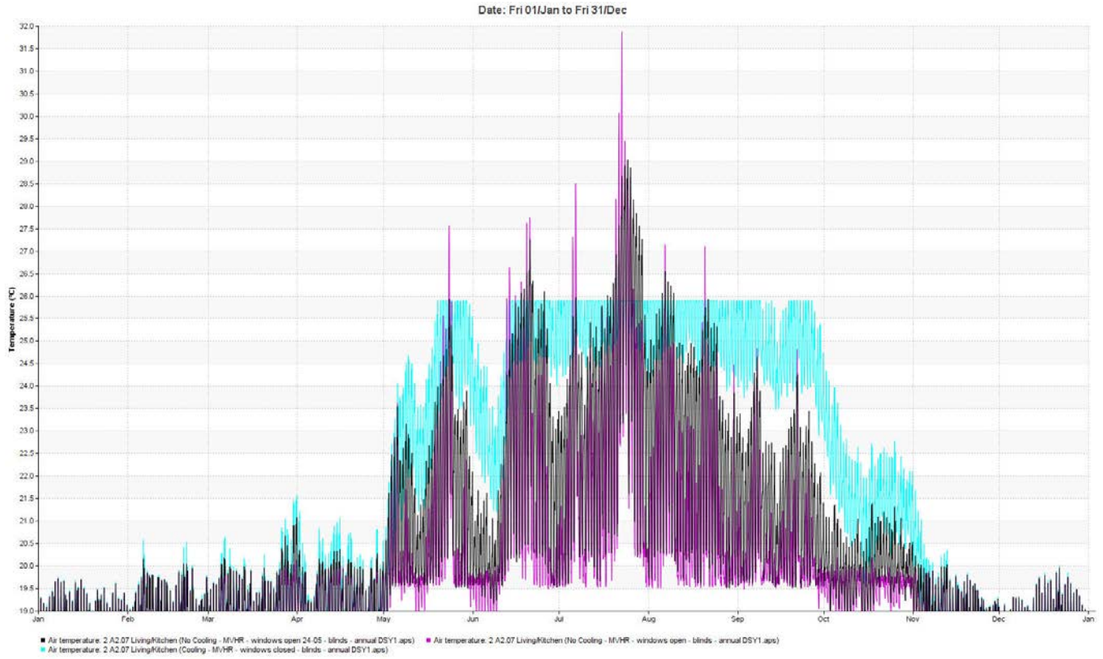
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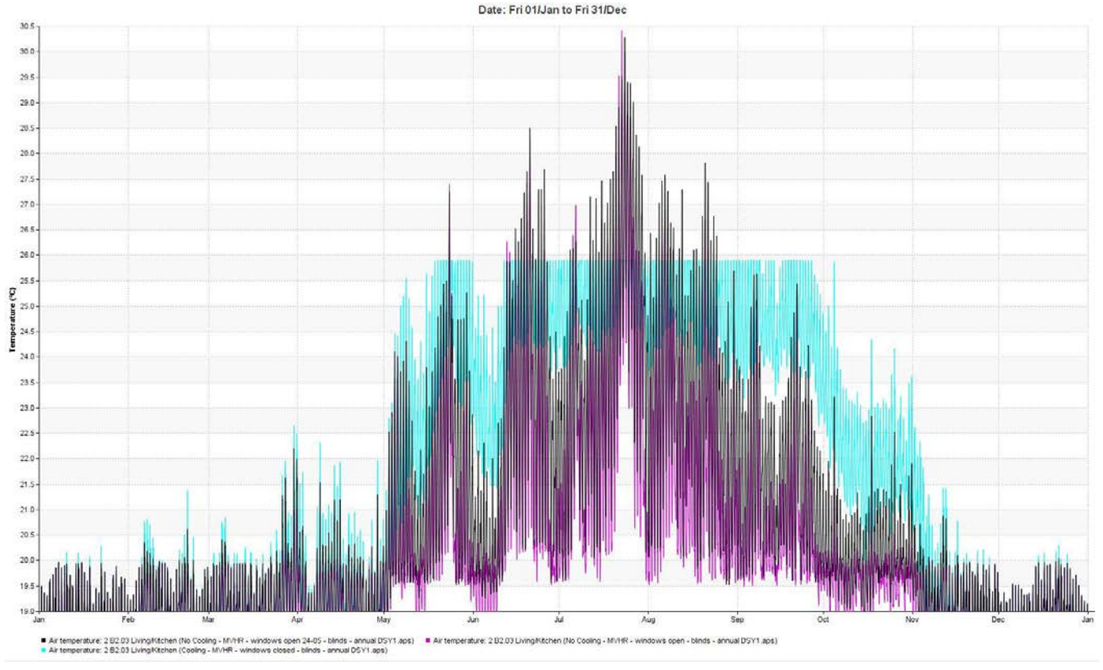
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Table D.2 Number of hours exceeding 26°C in sample living/kitchen areas

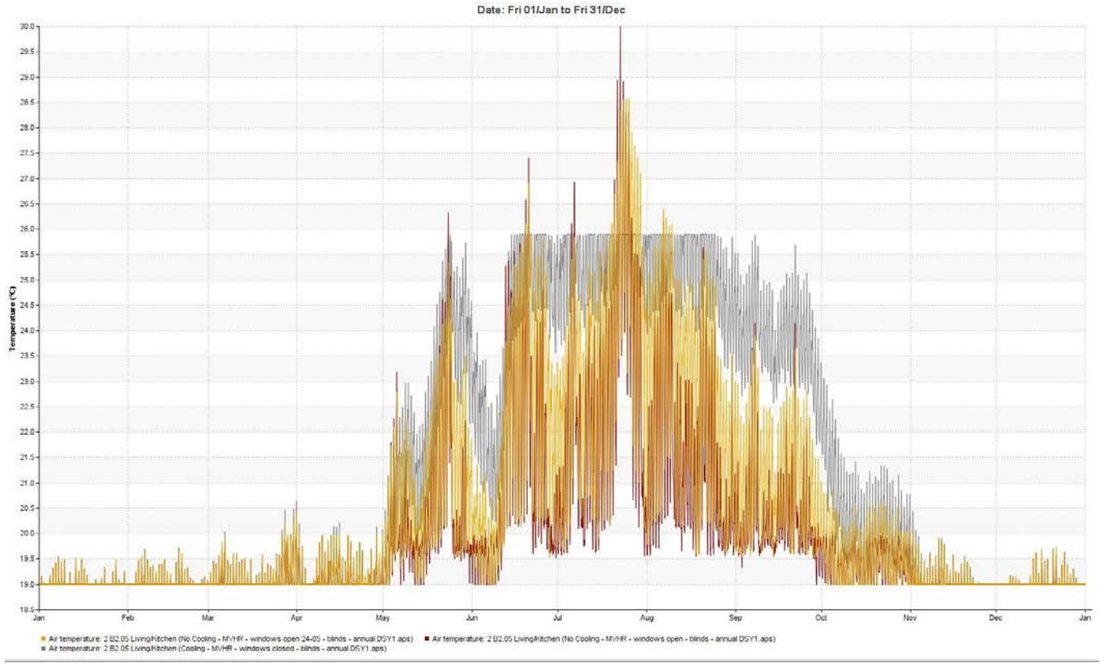
	Simulation 1	Simulation 2	Simulation 3
2 A2.04 Living/Kitchen	156	406	0
2 A2.07 Living/Kitchen	115	169	0
2 B2.02 Living/Kitchen	121	252	0
2 B2.05 Living/Kitchen	83	141	0
2 B2.09 Living/Kitchen	132	256	0

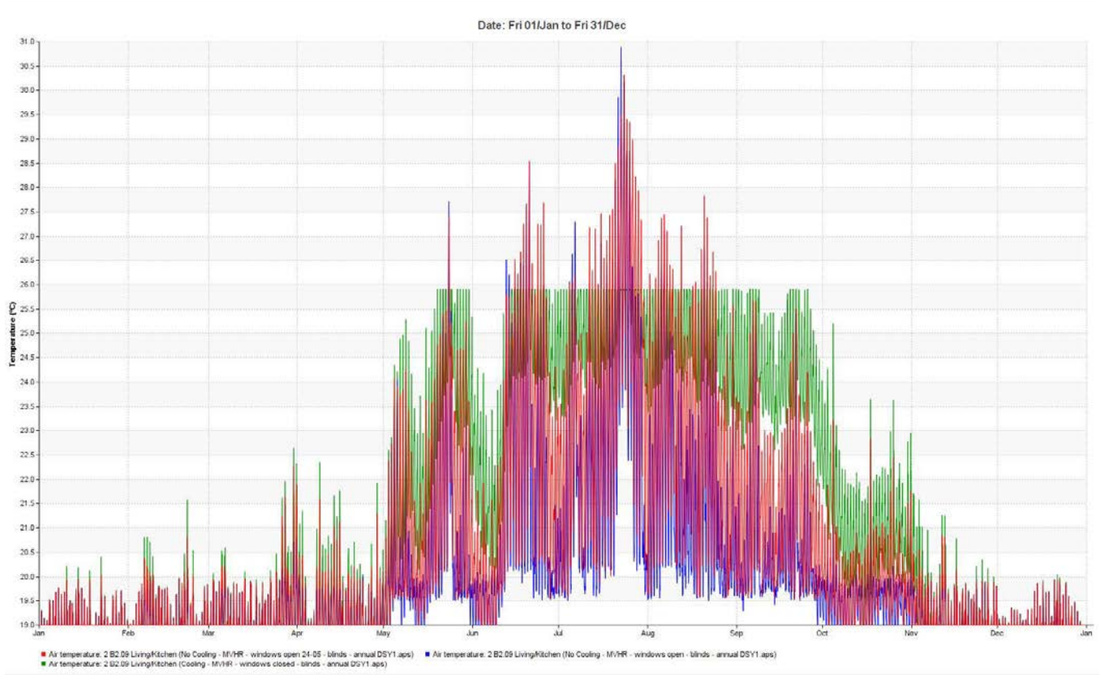






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Appendix E

Openable windows analysis

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Table E.1 Number and percentage of hours over 26°C for the bedrooms

Rooms	Windows Open	Windows Open 24.00 – 05.00	Windows Closed
0 A0.01 Double Bedroom	0.7	0.8	1.5
0 A0.01 Twin Bedroom	0.7	0.6	1.2
0 A0.02 Double Bedroom	0.7	0.9	2.1
0 A0.03 Double Bedroom	0.8	0.9	2.4
0 A0.03 Twin Bedroom	1	1.4	5
0 A0.04 Double Bedroom	0.6	0.6	1.5
0 A0.04 Twin Bedroom	0.6	0.7	1.8
0 A0.05 Double Bedroom	0.6	0.5	1.3
0 A0.05 Single Bedroom	0.7	0.7	1.4
0 A0.05 Twin Bedroom	0	0	0.2
0 A0.06 Double Bedroom	0.6	0.4	1
0 A0.06 Single Bedroom	0.8	0.7	1.5
0 A0.06 Twin Bedroom	0.3	0.3	0.5
0 A0.07 Double Bedroom	0.5	0	0.4
0 A0.07 Twin Bedroom	0.3	0.3	0.5
0 B0.02 Double Bedroom	0.9	1.3	2.3
0 B0.02 Single Bedroom	1.1	1.4	2.8
0 B0.03 Double Bedroom	0.9	1.1	2.1
0 B0.03 Single Bedroom	1	1.3	2.4
1 A1.01 Double Bedroom	0.8	1.2	2.6
1 A1.02 Double Bedroom	1.3	2.6	4.9
1 A1.02 Single Bedroom	1.8	3.5	6.4
1 A1.03 Double Bedroom	1.2	2.4	5.1
1 A1.03 Twin Bedroom	1.2	2.6	6.6
1 A1.04 Double Bedroom	0.9	1.4	3
1 A1.04 Single Bedroom	0.9	1.2	2.7
1 A1.04 Twin Bedroom	0.9	1.5	4
1 A1.05 Double Bedroom	0.8	0.9	2
1 A1.05 Single Bedroom	1	1.2	2.7
1 A1.05 Twin Bedroom	1.1	1.1	2.5
1 A1.06 Double Bedroom	1	0.9	2.1
1 A1.07 Double Bedroom	1	1.7	3
1 A1.07 Twin Bedroom	0.9	1.3	2.7
1 A1.08 Double Bedroom	0.9	1.2	2.1
1 A1.09 Double Bedroom	0.7	0.9	1.7
1 A1.10 Double Bedroom	0.6	0.6	1.4
1 A1.10 Single Bedroom	1.1	1.3	2.6
1 B1.01 Double Bedroom	1.4	2.8	5.2
1 B1.01 Single Bedroom	1.4	2.9	5.5
1 B1.02 Double Bedroom	1.1	2.1	4.2
1 B1.02 Double Bedroom	1.3	2.6	5.3
1 B1.03 Double Bedroom	1.1	1.9	4.3
1 B1.03 Double Bedroom	1.1	2	4.2
1 B1.04 Double Bedroom	0.8	1.3	3
1 B1.05 Double Bedroom	1	1.6	2.6
1 B1.05 Double Bedroom	0.9	1.5	2.4
1 B1.06 Double Bedroom	0.8	1.2	2.1
1 B1.06 Double Bedroom	0.8	1.1	1.9
1 B1.07 Double Bedroom	0.8	1.2	2.1
1 B1.07 Double Bedroom	0.7	0.9	1.5
1 B1.08 Double Bedroom	0.9	1.4	2.6
1 B1.08 Single Bedroom	1	1.4	2.8
1 B1.09 Double Bedroom	0.9	1.3	2.6
1 B1.09 Double Bedroom	1	1.7	3.3
1 B1.10 Double Bedroom	1.6	2.9	5.4
1 B1.10 Single Bedroom	1.6	3	5.9
2 A2.01 Double Bedroom	0.8	1.4	3.4
2 A2.02 Double Bedroom	1.4	3	5.9
2 A2.02 Single Bedroom	1.9	4.1	7.2
2 A2.03 Double Bedroom	1.2	2.7	5.7
2 A2.03 Twin Bedroom	1.3	2.7	6.6
2 A2.04 Double Bedroom	0.9	1.5	3.5
2 A2.04 Single Bedroom	1	1.5	3.2
2 A2.04 Twin Bedroom	0.9	1.6	4.7
2 A2.05 Double Bedroom	0.8	1.1	2.1
2 A2.05 Single Bedroom	0.9	1	2.3
2 A2.06 Double Bedroom	1	1.2	2.9
2 A2.06 Double Bedroom	0.8	1	2.1
2 A2.07 Double Bedroom	1.4	1.7	5.7
2 A2.07 Single Bedroom	1.3	2.1	6.4
2 A2.08 Double Bedroom	1	1.6	3
2 A2.09 Double Bedroom	0.9	1.4	2.6
2 A2.10 Double Bedroom	0.6	0.9	1.8
2 A2.10 Single Bedroom	1.2	1.6	3.3
2 B2.01 Double Bedroom	1.4	2.9	5.6
2 B2.01 Single Bedroom	1.5	3.2	6.4
2 B2.02 Double Bedroom	1.3	3	6.4
2 B2.02 Double Bedroom	1.1	2.3	4.8
2 B2.03 Double Bedroom	1.1	2.3	4.9
2 B2.03 Double Bedroom	1.1	2.2	5.1
2 B2.04 Double Bedroom	0.9	1.4	3.8
2 B2.05 Double Bedroom	1.2	2.1	4.4
2 B2.05 Double Bedroom	1	1.8	4.2
2 B2.06 Double Bedroom	1	1.7	3.8
2 B2.06 Double Bedroom	0.9	1.6	3

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2 B2.07 Double Bedroom	0.8	1.3	2.5
2 B2.07 Double Bedroom	1	1.7	3.8
2 B2.08 Double Bedroom	0.9	1.7	3.4
2 B2.08 Single Bedroom	1	1.6	3.7
2 B2.09 Double Bedroom	1	1.6	3.3
2 B2.09 Double Bedroom	1	1.9	4.4
2 B2.10 Double Bedroom	1.6	3.3	6.5
2 B2.10 Single Bedroom	1.6	3.5	7.1
3 A3.01 Double Bedroom	0.9	1.4	3.8
3 A3.02 Double Bedroom	1.4	3.1	6.3
3 A3.02 Single Bedroom	1.9	4.3	7.6
3 A3.03 Double Bedroom	1.3	2.9	6.4
3 A3.03 Twin Bedroom	1.3	2.9	7.2
3 A3.04 Double Bedroom	1	1.8	5.1
3 A3.04 Single Bedroom	1.2	2.1	4.8
3 A3.04 Twin Bedroom	1	1.8	4.5
3 A3.05 Double Bedroom	1	1.5	2.3
3 A3.05 Single Bedroom	1.1	1.5	2
3 A3.05 Twin Bedroom	1.1	1.9	4.3
3 A3.06 Double Bedroom	1	1.8	3.9
3 A3.07 Double Bedroom	0.7	1.2	2.4
3 A3.07 Single Bedroom	1.2	1.8	4.1
3 B3.01 Double Bedroom	1.4	3	5.8
3 B3.01 Single Bedroom	1.5	3.2	6.7
3 B3.02 Double Bedroom	1.1	2.4	4.9
3 B3.02 Double Bedroom	1.3	3.1	6.7
3 B3.03 Double Bedroom	1.1	2.2	5.3
3 B3.03 Double Bedroom	1.1	2.4	5.2
3 B3.04 Double Bedroom	0.9	1.5	4.1
3 B3.05 Double Bedroom	1.1	2	4.9
3 B3.05 Double Bedroom	1.2	2.3	5
3 B3.06 Double Bedroom	1	1.7	4.6
3 B3.06 Double Bedroom	0.9	1.7	3.4
3 B3.07 Double Bedroom	1	1.8	4.5
3 B3.07 Double Bedroom	0.8	1.3	2.8
3 B3.08 Double Bedroom	0.9	1.7	3.6
3 B3.08 Single Bedroom	1	1.7	4
3 B3.09 Double Bedroom	1	1.9	4.7
3 B3.09 Double Bedroom	1	1.7	3.4
3 B3.10 Double Bedroom	1.6	3.3	6.8
3 B3.10 Single Bedroom	1.6	3.5	7.5
4 A4.01 Double Bedroom	0.9	1.5	4.2
4 A4.02 Double Bedroom	1.4	3.2	6.6
4 A4.02 Single Bedroom	1.9	4.4	7.9
4 A4.03 Double Bedroom	1.6	4.3	10.1
4 A4.03 Single Bedroom	1.6	3.2	5.8
4 A4.03 Twin Bedroom	2.3	8.3	14
4 A4.04 Double Bedroom	1.2	1.9	6.6
4 B4.01 Double Bedroom	1.4	3	5.8
4 B4.01 Single Bedroom	1.5	3.2	6.7
4 B4.02 Double Bedroom	1.3	3.1	6.8
4 B4.02 Double Bedroom	1.1	2.4	5.1
4 B4.03 Double Bedroom	1.1	2.2	5.5
4 B4.03 Double Bedroom	1.2	2.4	5.3
4 B4.04 Double Bedroom	0.9	1.5	4.3
4 B4.05 Double Bedroom	1.2	2.3	5.2
4 B4.05 Double Bedroom	1.1	2.1	5.1
4 B4.06 Double Bedroom	1	1.8	4.8
4 B4.06 Double Bedroom	0.9	1.7	3.6
4 B4.07 Double Bedroom	0.8	1.4	2.9
4 B4.07 Double Bedroom	1	1.8	4.6
4 B4.08 Double Bedroom	1	1.7	3.8
4 B4.08 Single Bedroom	1	1.7	4
4 B4.09 Double Bedroom	1	1.7	3.4
4 B4.09 Double Bedroom	1	1.9	4.8
4 B4.10 Double Bedroom	1.6	3.3	6.8
4 B4.10 Single Bedroom	1.6	3.5	7.5
5 A5.01 Double Bedroom	0.9	1.7	5.1
5 A5.02 Double Bedroom	1.5	3.3	6.7
5 A5.02 Single Bedroom	2	4.8	8.4
5 A5.03 Double Bedroom	1.3	2.2	5.7
5 A5.03 Twin Bedroom	2	6.4	11.7
5 A5.04 Double Bedroom	1.2	2.2	8
5 B5.01 Double Bedroom	1.5	3	5.9
5 B5.01 Single Bedroom	1.5	3.3	6.9
5 B5.02 Double Bedroom	1.3	3.1	7
5 B5.02 Double Bedroom	1.2	2.4	5.1
5 B5.03 Double Bedroom	1.2	2.5	5.6
5 B5.03 Double Bedroom	1.2	2.4	5.8
5 B5.04 Double Bedroom	0.9	1.6	4.6
5 B5.05 Double Bedroom	1.2	2.4	5.4
5 B5.05 Double Bedroom	1.1	2.1	5.5
5 B5.06 Double Bedroom	1	1.7	3.8
5 B5.06 Double Bedroom	1	1.8	4.9
5 B5.07 Double Bedroom	0.8	1.4	2.9
5 B5.07 Double Bedroom	1	1.8	4.7
5 B5.08 Double Bedroom	1	1.7	3.9
5 B5.08 Single Bedroom	1.1	1.7	4.1

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5 B5.09 Double Bedroom	1	1.7	3.5
5 B5.09 Double Bedroom	1.1	1.9	4.8
5 B5.10 Double Bedroom	1.6	3.4	6.9
5 B5.10 Single Bedroom	1.6	3.6	7.6
6 B6.01 Double Bedroom	1.4	3.2	6.3
6 B6.01 Single Bedroom	1.5	3.6	7.6
6 B6.02 Double Bedroom	1.2	2.4	5.2
6 B6.02 Double Bedroom	1.3	3.2	7
6 B6.03 Double Bedroom	1.2	2.6	5.9
6 B6.03 Double Bedroom	1.3	3.1	7.1
6 B6.04 Double Bedroom	1.7	4.1	9.5
6 B6.04 Double Bedroom	1.2	2	6.2
6 B6.04 Single Bedroom	1.6	3.6	7.3
6 B6.05 Double Bedroom	1.1	2	4.9
6 B6.05 Double Bedroom	1	2	5.7
6 B6.06 Double Bedroom	1	1.9	4.4
6 B6.06 Double Bedroom	1	2.1	5.5
6 B6.07 Double Bedroom	1.1	2.1	5.3
6 B6.07 Double Bedroom	0.8	1.4	2.8
6 B6.08 Double Bedroom	1	1.9	4.2
6 B6.08 Single Bedroom	1.1	1.9	4.7
6 B6.09 Double Bedroom	1	1.7	3.4
6 B6.09 Double Bedroom	1.1	2	4.6
6 B6.10 Double Bedroom	1.5	3.4	6.9
6 B6.10 Single Bedroom	1.4	3.6	7.8

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Table E.2 Number and percentage of hours over 26°C for the Living/Kitchen

Rooms	Windows Open	Windows Open 24.00 – 05.00	Windows Closed
0 A0.01 Living/Kitchen	0.7	0.8	1.4
0 A0.02 Living/Kitchen	0.8	1	2
0 A0.03 Living/Kitchen	1.6	3.2	9.4
0 A0.04 Living/Kitchen	0.6	0.5	1.2
0 A0.05 Living/Kitchen	0.3	0.3	0.5
0 A0.06 Living/Kitchen	0.3	0.4	0.6
0 A0.07 Living/Kitchen	0.4	0.5	0.8
0 B0.02 Living/Kitchen	0.9	1.2	2.4
0 B0.03 Living/Kitchen	1	1.3	2.5
1 A1.01 Living/Kitchen	1	1.6	3.6
1 A1.02 Living/Kitchen	1.2	2.1	4.6
1 A1.03 Living/Kitchen	1.7	3.9	9.9
1 A1.04 Living/Kitchen	1.8	4.3	11.1
1 A1.05 Living/Kitchen	0.9	0.9	2.3
1 A1.06 Living/Kitchen	0.9	0.8	1.7
1 A1.07 Living/Kitchen	0.8	0.7	1.6
1 A1.08 Living/Kitchen	0.9	0.8	1.8
1 A1.09 Living/Kitchen	0.9	0.7	1.4
1 A1.10 Living/Kitchen	0.8	1.1	2.4
1 B1.01 Living/Kitchen	1.3	2.5	5.2
1 B1.02 Living/Kitchen	1.3	2.5	5.7
1 B1.03 Living/Kitchen	1.4	2.9	6.1
1 B1.04 Living/Kitchen	1	1.6	3.7
1 B1.05 Living/Kitchen	0.9	1.1	2.3
1 B1.06 Living/Kitchen	0.9	1.5	3.2
1 B1.07 Living/Kitchen	1	1.6	3.3
1 B1.08 Living/Kitchen	0.9	1.6	3.2
1 B1.09 Living/Kitchen	1.6	2.6	5
1 B1.10 Living/Kitchen	1.4	2.6	5.2
2 A2.01 Living/Kitchen	1	1.8	4.6
2 A2.02 Living/Kitchen	1.3	2.5	5.7
2 A2.03 Living/Kitchen	1.7	4.2	10.3
2 A2.04 Living/Kitchen	1.8	4.6	11.7
2 A2.05 Living/Kitchen	1	0.9	2.6
2 A2.06 Living/Kitchen	1.2	1.2	3.5
2 A2.07 Living/Kitchen	1.3	1.9	7.6
2 A2.08 Living/Kitchen	1	1.1	2.9
2 A2.09 Living/Kitchen	0.9	0.9	2.1
2 A2.10 Living/Kitchen	0.9	1.4	3.8
2 B2.01 Living/Kitchen	1.3	2.8	6.4
2 B2.02 Living/Kitchen	1.4	2.9	6.9
2 B2.03 Living/Kitchen	1.5	3.3	7.6
2 B2.04 Living/Kitchen	1.1	1.8	4.6
2 B2.05 Living/Kitchen	0.9	1.6	4.8
2 B2.06 Living/Kitchen	1.2	2.5	7.4
2 B2.07 Living/Kitchen	1.2	2.6	7.6
2 B2.08 Living/Kitchen	1.1	2.2	5.4
2 B2.09 Living/Kitchen	1.5	2.9	6.3
2 B2.10 Living/Kitchen	1.5	3	6.8
3 A3.01 Living/Kitchen	1.1	1.9	5.1
3 A3.02 Living/Kitchen	1.3	2.7	6.1
3 A3.03 Living/Kitchen	1.7	4.4	10.9
3 A3.04 Living/Kitchen	2	5.6	12.7
3 A3.05 Living/Kitchen	1.2	2.3	7.3
3 A3.06 Living/Kitchen	1.2	1.6	4.2
3 A3.07 Living/Kitchen	0.9	1.6	4.6
3 B3.01 Living/Kitchen	1.3	2.8	6.8
3 B3.02 Living/Kitchen	1.4	3	7.4
3 B3.03 Living/Kitchen	1.5	3.5	7.9
3 B3.04 Living/Kitchen	1.1	1.9	5
3 B3.05 Living/Kitchen	1	1.8	6.1
3 B3.06 Living/Kitchen	1.2	2.9	8.9
3 B3.07 Living/Kitchen	1.2	3	9.1
3 B3.08 Living/Kitchen	1.1	2.4	6.4
3 B3.09 Living/Kitchen	1.5	3	6.6
3 B3.10 Living/Kitchen	1.5	3.1	7.3
4 A4.01 Living/Kitchen	1.1	2	5.4
4 A4.02 Living/Kitchen	1.4	2.9	7
4 A4.03 Living/Kitchen	1.8	4.7	10.7
4 A4.04 Living/Kitchen	0.9	1.5	4.8
4 B4.01 Living/Kitchen	1.4	2.9	7.1
4 B4.02 Living/Kitchen	1.4	3.1	7.5
4 B4.03 Living/Kitchen	1.6	3.5	8
4 B4.04 Living/Kitchen	1.1	2	5.1
4 B4.05 Living/Kitchen	1	1.9	7
4 B4.06 Living/Kitchen	1.2	3	9.3
4 B4.07 Living/Kitchen	1.2	3	9.4
4 B4.08 Living/Kitchen	1.1	2.4	6.6
4 B4.09 Living/Kitchen	1.5	3	6.8
4 B4.10 Living/Kitchen	1.5	3.1	7.4
5 A5.01 Living/Kitchen	1.1	2.2	6.2
5 A5.02 Living/Kitchen	1.7	4.2	8.7
5 A5.03 Living/Kitchen	2.2	5.4	11.1
5 A5.04 Living/Kitchen	1.1	2	6.3
5 B5.01 Living/Kitchen	1.4	3	7.5

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5 B5.02 Living/Kitchen	1.5	3.2	7.8
5 B5.03 Living/Kitchen	1.6	3.7	8.4
5 B5.04 Living/Kitchen	1.1	2.1	5.6
5 B5.05 Living/Kitchen	1.1	2.2	8.2
5 B5.06 Living/Kitchen	1.2	3	9.4
5 B5.07 Living/Kitchen	1.2	3.1	9.6
5 B5.08 Living/Kitchen	1.1	2.5	6.7
5 B5.09 Living/Kitchen	1.5	3.1	7.1
5 B5.10 Living/Kitchen	1.5	3.3	7.8
6 B6.01 Living/Kitchen	1.8	4.4	9.2
6 B6.02 Living/Kitchen	1.7	4.3	9.2
6 B6.03 Living/Kitchen	1.7	4.4	9.3
6 B6.04 Living/Kitchen	2.2	7.8	14.6
6 B6.05 Living/Kitchen	1.6	2.9	10.1
6 B6.06 Living/Kitchen	1.2	3	9.2
6 B6.07 Living/Kitchen	1.3	3.3	10.1
6 B6.08 Living/Kitchen	1.2	2.6	6.8
6 B6.09 Living/Kitchen	1.9	4.3	8.9
6 B6.10 Living/Kitchen	1.8	4.5	9.4

QMS ISO 14001 REGISTERED
QMS ISO 9001 REGISTERED