

UW3396-ART-T2-XX-HL-0001

TECHNIUM 2 HEAT LOSS MODEL					
Building	Block	Zone	Comfort Temperature (°C)	Steady-State Heat Loss (kW)	Design Capacity (kW)
Technium 2	Block 7	Zone 2	18.79	0.2	0.24
Technium 2	Block 7	Zone 3	18.62	0.89	1.07
Technium 2	Block 7	Zone 1	18.64	0.26	0.32
Technium 2	Block 8	Zone 1	20.25	1.65	1.98
Technium 2	Block 10	Zone 2	18.68	0.65	0.78
Technium 2	Block 10	Zone 1	18.73	0.23	0.27
Technium 2	Block 2	Gnd NW landing	15.67	3.79	4.55
Technium 2	Block 2	Zone 6	19.81	7.99	9.59
Technium 2	Block 2	Zone 5	20.21	3.62	4.34
Technium 2	Block 2	Zone 4	20.26	3.91	4.7
Technium 2	Block 2	Gnd centre corridor	17.93	3.04	3.65
Technium 2	Block 2	Gnd WC corridor	18.06	1.15	1.38
Technium 2	Block 2	Gnd reception	17.88	4.8	5.77
Technium 2	Block 2	Zone 8	17.1	1.34	1.61
Technium 2	Block 2	Zone 3	20.27	3.51	4.21
Technium 2	Block 2	Zone 13	20.36	2.65	3.19
Technium 2	Block 2	Zone 14	20.92	0.48	0.57
Technium 2	Block 2	Zone 15	20.18	1.89	2.26
Technium 2	Block 2	Gnd MWC	19.33	0.2	0.24
Technium 2	Block 2	Zone 19	19.37	0.1	0.12
Technium 2	Block 2	Gnd F WC	19.38	0.19	0.23
Technium 2	Block 2	Gnd reception office	21.14	0.21	0.25
Technium 2	Block 2	Zone 10	19.82	0.09	0.11
Technium 2	Block 2	Zone 12	19.75	0.09	0.11
Technium 2	Block 2	Zone 1	19.54	0.05	0.06
Technium 2	Block 1	Zone 13	21.5	0.11	0.13
Technium 2	Block 1	Zone 15	20.28	2.56	3.07
Technium 2	Block 1	Zone 17	18.34	0	0
Technium 2	Block 1	1st landing	18.28	1.62	1.94
Technium 2	Block 1	Zone 11	20.72	2.36	2.83
Technium 2	Block 1	1st centre corridor	18.22	3.36	4.04
Technium 2	Block 1	Zone 18	19.77	0.06	0.07
Technium 2	Block 1	1st F WC	19.81	0.12	0.14
Technium 2	Block 1	1st tea	21.54	0.14	0.17
Technium 2	Block 1	1st M WC	19.79	0.12	0.14
Technium 2	Block 1	Zone 7	19.91	0.03	0.03
Technium 2	Block 1	Zone 8	20.9	2.6	3.12
Technium 2	Block 1	Zone 5	20.89	2.55	3.05
Technium 2	Block 1	Zone 1	20.8	2.39	2.87
Technium 2	Block 1	Zone 4	20.62	4.83	5.79
Technium 2	Block 1	1st NW corridor	17.8	2.07	2.49
Technium 2	Block 1	1st NW landing	17.31	1.09	1.3

Technium 2	Block 3	Zone 24	20.07	0.67	0.8
Technium 2	Block 3	Zone 25	19.72	2.39	2.87
Technium 2	Block 3	Zone 2	21.09	0.29	0.34
Technium 2	Block 3	Zone 1	19.5	0.11	0.13
Technium 2	Block 3	Zone 23	20.41	2.41	2.89
Technium 2	Block 3	Zone 15	20.33	0.82	0.98
Technium 2	Block 3	Zone 22	20.38	3.44	4.13
Technium 2	Block 3	Zone 12	21.16	0.25	0.3
Technium 2	Block 3	2nd M WC	19.36	0.21	0.25
Technium 2	Block 3	Zone 17	19.36	0.11	0.13
Technium 2	Block 3	2nd F WC	19.41	0.2	0.24
Technium 2	Block 3	2nd landing	18.25	1.65	1.98
Technium 2	Block 3	Zone 21	20.3	2.99	3.59
Technium 2	Block 3	Zone 7	20.99	0.64	0.76
Technium 2	Block 3	2nd tea	21.45	0.15	0.18
Technium 2	Block 3	Zone 6	18.03	0	0
Technium 2	Block 3	Zone 19	21.08	0.25	0.3
Technium 2	Block 3	Zone 20	20.21	5.62	6.75
Technium 2	Block 3	2nd centre corridor	17.67	4.42	5.3
Technium 2	Block 3	Zone 14	20.01	0.79	0.94
Technium 2	Block 3	Zone 13	20.25	3.26	3.91
Technium 2	Block 3	Zone 8	19.56	0.05	0.06
Technium 2	Block 3	2nd NW landing	16.89	1.28	1.54
Technium 2	Block 3	2nd NW corridor	16.95	2.82	3.39
Technium 2	Block 3	Zone 9	-2.72	0	0
Technium 2	Block 4	3rd landing	17.28	2.25	2.69
Technium 2	Block 4	3rd unheated office	20.43	0.63	0.75
Technium 2	Block 4	3rd heated office	18.54	1.9	2.28
Technium 2	Block 4	Zone 2	18.36	1.03	1.24
Technium 2	Block 5	Zone 1	20.58	0.33	0.4
Total Building Heat Loss (kW)				109.95	131.9
Total Fossil Fuel Building Heat Loss				37.41	44.89
Blue highlighted areas represent areas within scope of works					