

| TECHNIUM 1 HEAT LOSS MODEL | | | | | |
|--|---------|------------------|--------------------------|-----------------------------|----------------------|
| Building | Block | Zone | Comfort Temperature (°C) | Steady-State Heat Loss (kW) | Design Capacity (kW) |
| Technium 1 | Block 1 | Gnd M WC | 16.2 | 0.33 | 0.4 |
| Technium 1 | Block 1 | Zone 1 | 15.46 | 0.42 | 0.5 |
| Technium 1 | Block 1 | Zone 6 | 19.75 | 1.7 | 2.04 |
| Technium 1 | Block 1 | Zone 5 | 19.73 | 1.71 | 2.06 |
| Technium 1 | Block 1 | Zone 4 | 19.7 | 1.74 | 2.09 |
| Technium 1 | Block 1 | Zone 2 | 18.47 | 3.57 | 4.29 |
| Technium 1 | Block 1 | Reception | 18.97 | 3.12 | 3.75 |
| Technium 1 | Block 1 | Gnd F WC | 16.04 | 0.3 | 0.36 |
| Technium 1 | Block 1 | Gnd stair lobby | 16.63 | 0.38 | 0.45 |
| Technium 1 | Block 1 | Zone 7 | 16.81 | 0.03 | 0.03 |
| Technium 1 | Block 1 | Zone 3 | 20.2 | 0.07 | 0.08 |
| Technium 1 | Block 1 | Gnd dis WC | 17.12 | 0.03 | 0.04 |
| Technium 1 | Block 1 | Zone 11 | 20.11 | 0.08 | 0.1 |
| Technium 1 | Block 1 | Zone 8 | 19.79 | 0.16 | 0.19 |
| Technium 1 | Block 1 | Gnd tea | 20.3 | 0.16 | 0.19 |
| Technium 1 | Block 1 | Gnd west circ | 13.45 | 3.7 | 4.44 |
| Technium 1 | Block 1 | Zone 16 | 19.62 | 1.99 | 2.39 |
| Technium 1 | Block 1 | Zone 24 | 20.41 | 0.21 | 0.25 |
| Technium 1 | Block 1 | Gnd off | 20.14 | 0.58 | 0.69 |
| Technium 1 | Block 1 | Zone 26 | 17.67 | 0 | 0 |
| Technium 1 | Block 1 | Zone 23 | 20.09 | 0.57 | 0.69 |
| Technium 1 | Block 1 | Zone 29 | 19.3 | 0.21 | 0.26 |
| Technium 1 | Block 1 | Zone 18 | 20.23 | 0.35 | 0.42 |
| Technium 1 | Block 1 | Gnd east circ | 13.47 | 6.01 | 7.22 |
| Technium 1 | Block 1 | Zone 21 | 19.13 | 0.76 | 0.91 |
| Technium 1 | Block 1 | Zone 22 | 19.8 | 2.15 | 2.58 |
| Technium 1 | Block 1 | Zone 20 | 19.85 | 0.36 | 0.43 |
| Technium 1 | Block 1 | Zone 19 | 19.84 | 0.35 | 0.42 |
| Technium 1 | Block 1 | Zone 15 | 19.87 | 0.35 | 0.42 |
| Technium 1 | Block 1 | Zone 25 | 20.46 | 0.28 | 0.34 |
| Technium 1 | Block 1 | Zone 27 | 20.46 | 0.23 | 0.27 |
| Technium 1 | Block 6 | Zone 1 | -2.7 | 0 | 0 |
| Technium 1 | Block 5 | Zone 1 | -2.8 | 0 | 0 |
| Technium 1 | Block 2 | Zone 9 | 20.14 | 0.28 | 0.34 |
| Technium 1 | Block 2 | Zone 15 | 18.89 | 0.47 | 0.57 |
| Technium 1 | Block 2 | Zone 12 | 19.38 | 3.31 | 3.97 |
| Technium 1 | Block 2 | Zone 13 | 19.45 | 0.32 | 0.38 |
| Technium 1 | Block 2 | Zone 10 | 19.37 | 0.34 | 0.4 |
| Technium 1 | Block 2 | Zone 11 | 19.41 | 0.68 | 0.81 |
| Technium 1 | Block 2 | 1st west circ | 15.43 | 0.88 | 1.05 |
| Technium 1 | Block 2 | Zone 26 | 19.66 | 2.15 | 2.58 |
| Technium 1 | Block 2 | Zone 17 | 20.09 | 0.26 | 0.31 |
| Technium 1 | Block 2 | Zone 16 | 19.89 | 0.54 | 0.65 |
| Technium 1 | Block 2 | Zone 18 | 19.81 | 1.2 | 1.45 |
| Technium 1 | Block 2 | 1st Tea | 20.13 | 0.25 | 0.3 |
| Technium 1 | Block 2 | 1st M WC | 15.97 | 0.47 | 0.56 |
| Technium 1 | Block 2 | Zone 6 | 16.79 | 0.03 | 0.04 |
| Technium 1 | Block 2 | Zone 14 | 15.51 | 0 | 0 |
| Technium 1 | Block 2 | Zone 24 | 16.73 | 0.03 | 0.04 |
| Technium 1 | Block 2 | 1st stair lobby | 16.41 | 0.6 | 0.72 |
| Technium 1 | Block 2 | 1st F WC | 15.81 | 0.44 | 0.53 |
| Technium 1 | Block 2 | Zone 28 | 18.65 | 1.01 | 1.21 |
| Technium 1 | Block 2 | 1st meeting rm | 19.08 | 0.89 | 1.06 |
| Technium 1 | Block 2 | Zone 5 | 19.45 | 1.99 | 2.39 |
| Technium 1 | Block 2 | Zone 4 | 19.46 | 1.97 | 2.36 |
| Technium 1 | Block 2 | Zone 2 | 19.06 | 4.46 | 5.36 |
| Technium 1 | Block 2 | Zone 3 | 19.45 | 1.98 | 2.37 |
| Technium 1 | Block 2 | 1st east circ | 15.73 | 1.23 | 1.47 |
| Technium 1 | Block 2 | 1st central circ | 16.76 | 1.02 | 1.23 |
| Technium 1 | Block 3 | 2nd stair lobby | 16.11 | 0.79 | 0.95 |
| Technium 1 | Block 3 | 2nd tea | 18.8 | 0.5 | 0.6 |
| Technium 1 | Block 3 | 2nd WC | 15.82 | 0.23 | 0.28 |
| Technium 1 | Block 3 | Zone 9 | 19.25 | 1.86 | 2.23 |
| Technium 1 | Block 3 | Zone 2 | 18.25 | 2.57 | 3.08 |
| Technium 1 | Block 3 | Zone 4 | 19.13 | 0.11 | 0.14 |
| Technium 1 | Block 3 | Zone 10 | 19.36 | 0.55 | 0.67 |
| Technium 1 | Block 3 | Zone 6 | 18.2 | 1.97 | 2.36 |
| Technium 1 | Block 3 | Zone 7 | 19.3 | 0.58 | 0.7 |
| Technium 1 | Block 3 | Zone 11 | 19.38 | 0.53 | 0.64 |
| Technium 1 | Block 3 | Zone 8 | 18.81 | 0.71 | 0.85 |
| Total Building Heat Loss (kW) | | | | 69.1 | 82.95 |
| Total Fossil Fuel building Heat Loss (kW) | | | | 21.91 | 26.29 |
| Blue highlighted areas represent areas within scope of works | | | | | |