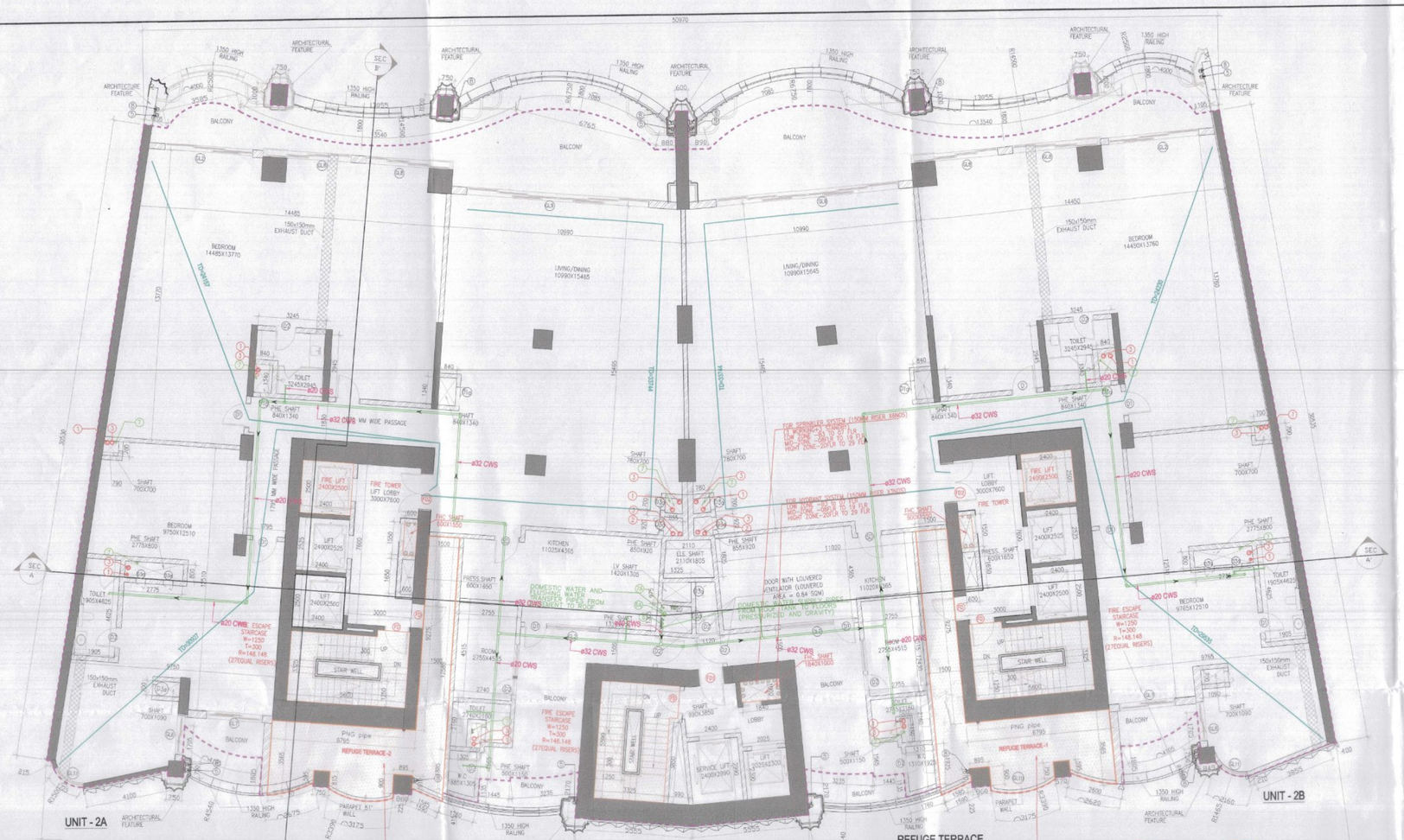



| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TOTAL AREA OF OF REFUGE (15TH & 23RD FLOOR TOWER-2) | | GROSS - A | + | GROSS - B | + | GROSS - C | + | GROSS - D | + | GROSS - E | - | GROSS - F | - | GROSS - G |
| | | 35.439 | + | 27.842 | + | 1694.792 | - | 27.338 | - | 115.815 | - | 1.686 | - | 57.456 |
| | GROSS - 1 | 1555.429 | NOS | | | | | | | | | | | |

TOTAL REFUGE TERRACE AREA = GROSS (FT) = GROSS (F)
= 76.947 = 1.686 =75.6470SM

| | | | |
|---|---|---|---|
| GROSS AREA OF TYPICAL FLOOR (TOWER - B) | 1646.369 | SQM | |
| GROSS AREA OF REFUGE FLOOR (TOWER - B) | 1675.808 | SQM | |
| TOTAL REFUGE AREA REQUIRED | 838.779 | SQM | 2000 (100mm FROM TO 300mm)(0.75 CMS WORK) (WITH SPACE |
| | 75.648 | + | |
| REFUGE AREA PROVIDED | 76.947 | SQM | |

AREA CALCULATION OF OF REFUGE (15TH & 23RD FLOOR) (ADDITIONAL)

| GROSS - F | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NO. | A | | B | | C | | | | D | | AREA OF = (D)X(A)X(B)X(C) | | |
| 1 | 0.215 | x | 0.850 | x | 3.505 | / | 2 | x | 1.525 | = | 0.476 | SQM | |
| 2 | 0.225 | x | 0.850 | x | 3.505 | / | 2 | x | 1.525 | = | 0.499 | SQM | |
| 3 | 0.125 | x | 0.850 | x | 1.860 | / | 2 | x | 1.525 | = | 0.302 | SQM | |
| 4 | 2.150 | x | 1.400 | x | 1.525 | / | 2 | x | 1.525 | = | 1.750 | SQM | |
| 15 | 0.900 | x | 2.460 | x | 1.750 | / | 2 | x | 1.525 | = | 1.801 | SQM | |
| 15a | 0.850 | x | 2.460 | x | 1.750 | / | 2 | x | 1.525 | = | 1.701 | SQM | |
| 15b | 0.975 | x | 4.510 | 45 | 2.460 | / | 2 | x | 1.525 | = | 4.264 | SQM | |
| 15c | 1.075 | x | 4.510 | 45 | 2.460 | / | 2 | x | 1.525 | = | 4.703 | SQM | |
| 16 | 1.400 | x | 4.510 | / | 2.460 | / | 2 | x | 1.525 | = | 3.850 | SQM | |
| 16a | 1.400 | x | 4.510 | / | 2.460 | / | 2 | x | 1.525 | = | 3.850 | SQM | |
| 16b | 1.530 | x | 8.150 | x | 4.710 | / | 2 | x | 1.525 | = | 5.900 | SQM | |
| 16c | 1.530 | x | 8.150 | x | 4.710 | / | 2 | x | 1.525 | = | 5.900 | SQM | |
| 17 | 4.725 | x | 8.150 | x | 12.495 | / | 2 | x | 1.525 | = | 67.603 | SQM | |
| 18 | 1.140 | x | 4.350 | / | 2 | / | 2 | x | 1.525 | = | 1.518 | SQM | |
| 21 | 3.365 | x | 27.230 | / | 2 | / | 2 | x | 1.525 | = | 69.108 | SQM | |
| 22 | 2.190 | x | 3.355 | x | 3.965 | / | 2 | x | 1.525 | = | 8.007 | SQM | |
| 22a | 2.110 | x | 3.355 | x | 3.965 | / | 2 | x | 1.525 | = | 7.570 | SQM | |
| 23 | 3.365 | x | 27.230 | / | 2 | / | 2 | x | 1.525 | = | 69.108 | SQM | |
| 23a | 3.365 | x | 27.230 | / | 2 | / | 2 | x | 1.525 | = | 69.108 | SQM | |
| 24 | 25.180 | x | 26.535 | / | 2 | / | 2 | x | 1.525 | = | 170.218 | SQM | |
| 24a | 25.180 | x | 26.535 | / | 2 | / | 2 | x | 1.525 | = | 170.218 | SQM | |
| 25 | 25.845 | x | 26.195 | / | 2 | / | 2 | x | 1.525 | = | 172.553 | SQM | |
| 25a | 25.845 | x | 26.195 | / | 2 | / | 2 | x | 1.525 | = | 172.553 | SQM | |
| 26 | 2.290 | x | 3.345 | x | 3.965 | / | 2 | x | 1.525 | = | 8.463 | SQM | |
| 26a | 2.290 | x | 3.345 | x | 3.965 | / | 2 | x | 1.525 | = | 8.463 | SQM | |
| 30 | 3.175 | x | 7.275 | x | 6.355 | / | 2 | x | 1.525 | = | 110.713 | SQM | |
| 30a | 3.175 | x | 7.275 | x | 6.355 | / | 2 | x | 1.525 | = | 110.713 | SQM | |
| 31 | 3.000 | x | 7.275 | x | 6.475 | / | 2 | x | 1.525 | = | 112.979 | SQM | |
| 32a | 3.330 | x | 7.275 | x | 6.475 | / | 2 | x | 1.525 | = | 125.372 | SQM | |
| 33 | 1.219 | x | 2.750 | x | 3.550 | / | 2 | x | 1.525 | = | 8.829 | SQM | |
| 33a | 1.219 | x | 2.750 | x | 3.550 | / | 2 | x | 1.525 | = | 8.829 | SQM | |
| 37 | 1.970 | x | 3.545 | x | 1.790 | / | 2 | x | 1.525 | = | 9.661 | SQM | |
| 38 | 1.970 | x | 1.520 | x | 0.750 | / | 2 | x | 1.525 | = | 0.531 | SQM | |
| 41 | 0.630 | x | 4.060 | / | 2.955 | / | 2 | x | 1.525 | = | 2.484 | SQM | |
| 42 | 4.080 | x | 3.540 | x | 5.855 | / | 2 | x | 1.525 | = | 7.198 | SQM | |
| 43 | 4.080 | x | 21.295 | x | 5.855 | / | 2 | x | 1.525 | = | 7.198 | SQM | |
| 44 | 0.600 | x | 3.015 | x | 0.855 | / | 2 | x | 1.525 | = | 0.162 | SQM | |
| | | | | | | | | | | TOTAL | = | 1694.792 | SQM |

AREA CALCULATION OF OF REFUGE (15TH & 23RD FLOOR) (ADDITIONAL)

| GROSS-C | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NO. | A | | B | | C | | | | D | | AREA OF = (D)X(A)X(B)X(C) | | |
| 1 | 0.215 | x | 0.850 | x | 3.505 | / | 2 | x | 1.525 | = | 0.476 | SQM | |
| 2 | 0.225 | x | 0.850 | x | 3.505 | / | 2 | x | 1.525 | = | 0.499 | SQM | |
| 3 | 0.125 | x | 0.850 | x | 1.860 | / | 2 | x | 1.525 | = | 0.302 | SQM | |
| 4 | 2.150 | x | 1.400 | x | 1.525 | / | 2 | x | 1.525 | = | 1.750 | SQM | |
| 15 | 0.900 | x | 2.460 | x | 1.750 | / | 2 | x | 1.525 | = | 1.801 | SQM | |
| 15a | 0.850 | x | 2.460 | x | 1.750 | / | 2 | x | 1.525 | = | 1.701 | SQM | |
| 15b | 0.975 | x | 4.510 | 45 | 2.460 | / | 2 | x | 1.525 | = | 4.264 | SQM | |
| 15c | 1.075 | x | 4.510 | 45 | 2.460 | / | 2 | x | 1.525 | = | 4.703 | SQM | |
| 16 | 1.400 | x | 4.510 | / | 2.460 | / | 2 | x | 1.525 | = | 3.850 | SQM | |
| 16a | 1.400 | x | 4.510 | / | 2.460 | / | 2 | x | 1.525 | = | 3.850 | SQM | |
| 16b | 1.530 | x | 8.150 | x | 4.710 | / | 2 | x | 1.525 | = | 5.900 | SQM | |
| 16c | 1.530 | x | 8.150 | x | 4.710 | / | 2 | x | 1.525 | = | 5.900 | SQM | |
| 17 | 4.725 | x | 8.150 | x | 12.495 | / | 2 | x | 1.525 | = | 67.603 | SQM | |
| 18 | 1.140 | x | 4.350 | / | 2 | / | 2 | x | 1.525 | = | 1.518 | SQM | |
| 21 | 3.365 | x | 27.230 | / | 2 | / | 2 | x | 1.525 | = | 69.108 | SQM | |
| 22 | 2.190 | x | 3.355 | x | 3.965 | / | 2 | x | 1.525 | = | 8.007 | SQM | |
| 22a | 2.110 | x | 3.355 | x | 3.965 | / | 2 | x | 1.525 | = | 7.570 | SQM | |
| 23 | 3.365 | x | 27.230 | / | 2 | / | 2 | x | 1.525 | = | 69.108 | SQM | |
| 23a | 3.365 | x | 27.230 | / | 2 | / | 2 | x | 1.525 | = | 69.108 | SQM | |
| 24 | 25.180 | x | 26.535 | / | 2 | / | 2 | x | 1.525 | = | 170.218 | SQM | |
| 24a | 25.180 | x | 26.535 | / | 2 | / | 2 | x | 1.525 | = | 170.218 | SQM | |
| 25 | 25.845 | x | 26.195 | / | 2 | / | 2 | x | 1.525 | = | 172.553 | SQM | |
| 25a | 25.845 | x | 26.195 | / | 2 | / | 2 | x | 1.525 | = | 172.553 | SQM | |
| 26 | 2.290 | x | 3.345 | x | 3.965 | / | 2 | x | 1.525 | = | 8.463 | SQM | |
| 26a | 2.290 | x | 3.345 | x | 3.965 | / | 2 | x | 1.525 | = | 8.463 | SQM | |
| 30 | 3.175 | x | 7.275 | x | 6.355 | / | 2 | x | 1.525 | = | 110.713 | SQM | |
| 30a | 3.175 | x | 7.275 | x | 6.355 | / | 2 | x | 1.525 | = | 110.713 | SQM | |
| 31 | 3.000 | x | 7.275 | x | 6.475 | / | 2 | x | 1.525 | = | 112.979 | SQM | |
| 32a | 3.330 | x | 7.275 | x | 6.475 | / | 2 | x | 1.525 | = | 125.372 | SQM | |
| 33 | 1.219 | x | 2.750 | x | 3.550 | / | 2 | x | 1.525 | = | 8.829 | SQM | |
| 33a | 1.219 | x | 2.750 | x | 3.550 | / | 2 | x | 1.525 | = | 8.829 | SQM | |
| 37 | 1.970 | x | 3.545 | x | 1.790 | / | 2 | x | 1.525 | = | 9.661 | SQM | |
| 38 | 1.970 | x | 1.520 | x | 0.750 | / | 2 | x | 1.525 | = | 0.531 | SQM | |
| 41 | 0.630 | x | 4.060 | / | 2.955 | / | 2 | x | 1.525 | = | 2.484 | SQM | |
| 42 | 4.080 | x | 3.540 | x | 5.855 | / | 2 | x | 1.525 | = | 7.198 | SQM | |
| 43 | 4.080 | x | 21.295 | x | 5.855 | / | 2 | x | 1.525 | = | 7.198 | SQM | |
| 44 | 0.600 | x | 3.015 | x | 0.855 | / | 2 | x | 1.525 | = | 0.162 | SQM | |
| | | | | | | | | | | TOTAL | = | 1694.792 | SQM |

AREA CALCULATION OF 27TH FLOOR (TOWER-2) : (ADDITIONAL)

| GROSS-D | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NO. | A | | B | | C | | | | D | | AREA OF = (D)X(A)X(B)X(C) | | |
| 1 | 1.400 | x | 2.925 | x | 2.455 | / | 2 | x | 2.375 | = | 7.906 | SQM | |
| 2 | 1.050 | x | 1.050 | x | 0.440 | / | 2 | x | 1.37 | = | 0.840 | SQM | |
| 3 | 0.990 | x | 1.925 | x | 1.505 | / | 2 | x | 1.687 | = | 2.315 | SQM | |
| 4 | 6.960 | x | 1.060 | x | 5.980 | / | 2 | x | 2.113 | = | 80.319 | SQM | |
| 5 | 0.890 | x | 4.960 | x | 2.160 | / | 2 | x | 5.32 | = | 18.702 | SQM | |
| 13 | 0.990 | x | 2.460 | x | 1.750 | / | 2 | x | 2.5875 | = | 3.285 | SQM | |
| 13a | 0.990 | x | 2.460 | x | 1.750 | / | 2 | x | 2.5875 | = | 3.285 | SQM | |
| 13b | 1.075 | x | 4.010 | 45 | 2.460 | / | 2 | x | 2.655 | = | 13.212 | SQM | |
| 13c | 1.075 | x | 4.010 | 45 | 2.460 | / | 2 | x | 2.655 | = | 13.212 | SQM | |
| 15 | 1.485 | x | 4.010 | / | 3.810 | / | 2 | x | 4.8925 | = | 8.943 | SQM | |
| 15a | 1.485 | x | 4.010 | / | 3.810 | / | 2 | x | 4.8925 | = | 8.943 | SQM | |
| 16 | 3.530 | x | 8.150 | x | 4.710 | / | 2 | x | 8.155 | = | 5.995 | SQM | |
| 16a | 3.530 | x | 8.150 | x | 4.710 | / | 2 | x | 8.155 | = | 5.995 | SQM | |
| 17 | 4.725 | x | 8.150 | x | 12.495 | / | 2 | x | 12.685 | = | 67.603 | SQM | |
| 18 | 4.725 | x | 8.150 | x | 12.495 | / | 2 | x | 12.685 | = | 67.603 | SQM | |
| 19 | 1.140 | x | 4.350 | / | 2 | / | 2 | x | 5.17 | = | 5.897 | SQM | |
| 19a | 1.140 | x | 4.350 | / | 2 | / | 2 | x | 5.17 | = | 5.897 | SQM | |
| 20 | 3.365 | x | 27.230 | / | 2 | / | 2 | x | 8.645 | = | 36.377 | SQM | |
| 20a | 3.365 | x | 27.230 | / | 2 | / | 2 | x | 8.645 | = | 36.377 | SQM | |
| 21 | 3.365 | x | 27.230 | / | 2 | / | 2 | x | 31.31 | = | 639.158 | SQM | |
| 21a | 3.365 | x | 27.230 | / | 2 | / | 2 | x | 31.31 | = | 639.158 | SQM | |
| 22 | 25.180 | x | 26.535 | / | 2 | / | 2 | x | 40.8375 | = | 127993.494 | SQM | |
| 22a | 25.180 | x | 26.535 | / | 2 | / | 2 | x | 40.8375 | = | 127993.494 | SQM | |
| 23 | 25.845 | x | 26.195 | / | 2 | / | 2 | x | 44.09 | = | 112999.972 | SQM | |
| 23a | 25.845 | x | 26.195 | / | 2 | / | 2 | x | 44.09 | = | 112999.972 | SQM | |
| 24 | 2.290 | x | 3.345 | x | 3.965 | / | 2 | x | 4.11 | = | 4.855 | SQM | |
| 24a | 2.290 | x | 3.345 | x | 3.965 | / | 2 | x | 4.11 | = | 4.855 | SQM | |
| 28 | 3.175 | x | 7.275 | x | 6.355 | / | 2 | x | 8.6875 | = | 114.883 | SQM | |
| 28a | 3.175 | x | 7.275 | x | 6.355 | / | 2 | x | 8.6875 | = | 114.883 | SQM | |
| 29 | 3.000 | x | 7.275 | x | 6.475 | / | 2 | x | 9.38 | = | 115.572 | SQM | |
| 29a | 3.000 | x | 7.275 | x | 6.475 | / | 2 | x | 9.38 | = | 115.572 | SQM | |
| 30 | 3.330 | x | 7.275 | x | 6.475 | / | 2 | x | 3.51 | = | 2.829 | SQM | |
| 30a | 3.330 | x | 7.275 | x | 6.475 | / | 2 | x | 3.51 | = | 2.829 | SQM | |
| 31 | 1.970 | x | 3.545 | x | 1.790 | / | 2 | x | 2.6975 | = | 2.859 | SQM | |
| 31a | 1.970 | x | 3.545 | x | 1.790 | / | 2 | x | 2.6975 | = | 2.859 | SQM | |
| 32 | 1.970 | x | 1.520 | x | 0.750 | / | 2 | x | 2.12 | = | 0.551 | SQM | |
| 32a | 1.970 | x | 1.520 | x | 0.750 | / | 2 | x | 2.12 | = | 0.551 | SQM | |
| 41 | 0.630 | x | 4.060 | / | 2.955 | / | 2 | x | 4.7825 | = | 2.484 | SQM | |
| 42 | 4.080 | x | 3.540 | x | 5.855 | / | 2 | x | 6.6375 | = | 51.861 | SQM | |
| 43 | 4.080 | x | 21.295 | x | 5.855 | / | 2 | x | 6.55 | = | 51.266 | SQM | |
| 44 | 0.600 | x | 3.015 | x | 0.855 | / | 2 | x | 2.235 | = | 0.162 | SQM | |
| | | | | | | | | | | TOTAL | = | 1892.891 | SQM |

AREA CALCULATION OF 27TH FLOOR (TOWER-2) : (ADDITIONAL)

| GROSS-E | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3 | x | | | 0.840 | | x | 1.340 | = | 2.251 | SQM | | |
| 2 | 0.9 | x | 0.700 | + | 0.755 | | x | 1.700 | = | 0.930 | SQM | | |
| 2a | 0.9 | x | 0.700 | + | 0.755 | | x | 1.700 | = | 0.930 | SQM | | |
| 3 | 2 | x | | | 2.025 | | x | 1.700 | = | 6.885 | SQM | | |
| 4 | 2 | x | | | 2.025 | | x | 1.700 | = | 6.885 | SQM | | |
| 5a | 2 | x | | | 0.950 | | x | 1.610 | = | 3.060 | SQM | | |
| 6 | 2 | x | | | 0.950 | | x | 1.610 | = | 3.060 | SQM | | |
| 7 | 2 | x | | | 2.400 | | x | 1.700 | = | 8.160 | SQM | | |
| 8 | 2 | x | | | 2.400 | | x | 1.700 | = | 8.160 | SQM | | |
| 9 | 2 | x | | | 0.900 | | x | 1.700 | = | 3.060 | SQM | | |
| 10 | 2 | x | | | 0.500 | | x | 1.700 | = | 1.700 | SQM | | |
| 11 | 2 | x | | | 1.400 | | x | 1.700 | = | 4.760 | SQM | | |
| 11a | 0.9 | x | 1.050 | + | 1.305 | | x | 1.700 | = | 4.000 | SQM | | |
| 11b | 2 | x | | | | | x | 1.700 | = | 3.400 | SQM | | |
| 11c | 2 | x | | | 0.900 | | x | 1.700 | = | 3.060 | SQM | | |
| 11d | 2 | x | | | 0.900 | | x | 1.700 | = | 3.060 | SQM | | |
| 11e | 0.5 | x | 0.825 | + | 0.925 | | x | 1.700 | = | 2.125 | SQM | | |
| 11f | 0.5 | x | 0.825 | + | 0.925 | | x | 1.700 | = | 2.125 | SQM | | |
| 11g | 0.5 | x | 0.925 | + | 0.925 | | x | 1.700 | = | 2.295 | SQM | | |
| 11h | 0.5 | x | 0.925 | + | 0.925 | | x | 1.700 | = | 2.295 | SQM | | |
| 11i | 0.5 | x | 0.925 | + | 0.925 | | x | 1.700 | = | 2.295 | SQM | | |
| 11j | 0.5 | x | 0.925 | + | 0.925 | | x | 1.700 | = | 2.295 | SQM | | |
| 12 | 2 | x | | | 2.025 | | x | 1.700 | = | 6.885 | SQM | | |
| 12a | 2 | x | | | 2.025 | | x | 1.700 | = | 6.885 | SQM | | |
| 13 | 2 | x | | | 2.400 | | x | 1.700 | = | 8.160 | SQM | | |
| 13a | 2 | x | | | 2.400 | | x | 1.700 | = | 8.160 | SQM | | |
| 14 | 2 | x | | | 0.900 | | x | 1.700 | = | 3.060 | SQM | | |
| 14a | 2 | x | | | 0.900 | | x | 1.700 | = | 3.060 | SQM | | |
| 15 | 0.5 | x | 1.425 | | | | x | 1.700 | = | 1.213 | SQM | | |
| 15a | 0.9 | x | 1.295 | + | 1.305 | | x | 1.700 | = | 4.000 | SQM | | |
| 16 | 0.5 | x | 1.315 | | | | x | 1.700 | = | 1.118 | SQM | | |
| 17 | 0.5 | x | 1.450 | | | | x | 1.700 | = | 1.233 | SQM | | |
| 17a | 0.5 | x | 1.325 | | | | x | 1.700 | = | 1.126 | SQM | | |
| 17b | 0.5 | x | 1.325 | | | | x | 1.700 | = | 1.126 | SQM | | |
| 17c | 0.5 | x | 1.325 | | | | x | 1.700 | = | 1.126 | SQM | | |
| 17d | 0.5 | x | 1.325 | | | | x | 1.700 | = | 1.126 | SQM | | |
| 17e | 0.5 | x | 0.930 | + | 0.785 | | x | 1.700 | = | 1.487 | SQM | | |
| 17f | 0.5 | x | 0.930 | + | 0.785 | | x | 1.700 | = | 1.487 | SQM | | |
| 17g | 0.5 | x | 0.930 | + | 0.785 | | x | 1.700 | = | 1.487 | SQM | | |
| 17h | 0.5 | x | 0.930 | + | 0.785 | | x | 1.700 | = | 1.487 | SQM | | |
| 18 | 2 | x | | | 2.400 | | x | 1.700 | = | 8.160 | SQM | | |
| 19 | 2 | x | | | 2.400 | | x | 1.700 | = | 8.160 | SQM | | |
| 20 | 2 | x | | | 0.900 | | x | 1.700 | = | 3.060 | SQM | | |
| 21 | 2 | x | | | 0.900 | | x | 1.700 | = | 3.060 | SQM | | |
| 22 | 2 | x | | | 0.840 | | x | 1.340 | = | 2.251 | SQM | | |
| 23 | 2 | x | | | 0.900 | | x | 1.700 | = | 3.060 | SQM | | |
| 24 | 2 | x | | | 0.840 | | x | 1.340 | = | 2.251 | SQM | | |
| 25 | 2 | x | | | 0.900 | | x | 1.700 | = | 3.060 | SQM | | |
| 26 | 2 | x | | | 0.840 | | x | 1.340 | = | 2.251 | SQM | | |
| 27 | 2 | x | | | 0.900 | | x | 1.700 | = | 3.060 | SQM | | |
| 28 | 2 | x | | | 0.840 | | x | 1.340 | = | 2.251 | SQM | | |
| 29 | 2 | x | | | 0.900 | | x | 1.700 | = | 3.060 | SQM | | |
| 30 | 2 | x | | | 0.840 | | x | 1.340 | = | 2.251 | SQM | | |
| 31 | 2 | x | | | 0.900 | | x | 1.700 | = | 3.060 | SQM | | |
| 32 | 2 | x | | | 0.840 | | x | 1.340 | = | 2.251 | SQM | | |
| 33 | 2 | x | | | 0.900 | | x | 1.700 | = | 3.060 | SQM | | |
| 34 | 2 | x | | | 0.840 | | x | 1.340 | = | 2.251 | SQM | | |
| 35 | 2 | x | | | 0.900 | | x | 1.700 | = | 3.060 | SQM | | |
| 36 | 2 | x | | | 0.840 | | x | 1.340 | = | 2.251 | SQM | | |
| 37 | 2 | x | | | 0.900 | | x | 1.700 | = | 3.060 | SQM | | |
| 38 | 2 | x | | | 0.840 | | x | 1.340 | = | 2.251 | SQM | | |
| 39 | 2 | x | | | 0.900 | | x | 1.700 | = | 3.060 | SQM | | |
| 40 | 2 | x | | | 0.840 | | x | 1.340 | = | 2.251 | SQM | | |
| 41 | 2 | x | | | 0.900 | | x | 1.700 | = | 3.060 | SQM | | |
| 42 | 2 | x | | | 0.840 | | x | 1.340 | = | 2.251 | SQM | | |
| 43 | 2 | x | | | 0.900 | | x | 1.700 | = | 3.060 | SQM | | |
| 44 | 2 | x | | | 0.840 | | x | 1.340 | = | 2.251 | SQM | | |
| 45 | 2 | x | | | 0.900 | | x | 1.700 | = | 3.060 | SQM | | |
| 46 | 2 | x | | | 0.840 | | x | 1.340 | = | 2.251 | SQM | | |
| | | | | | | | | | TOTAL | = | 46.809 | SQM | |

AREA CALCULATION OF (27TH FLOOR) (TOWER-2) : (ADDITIONAL)

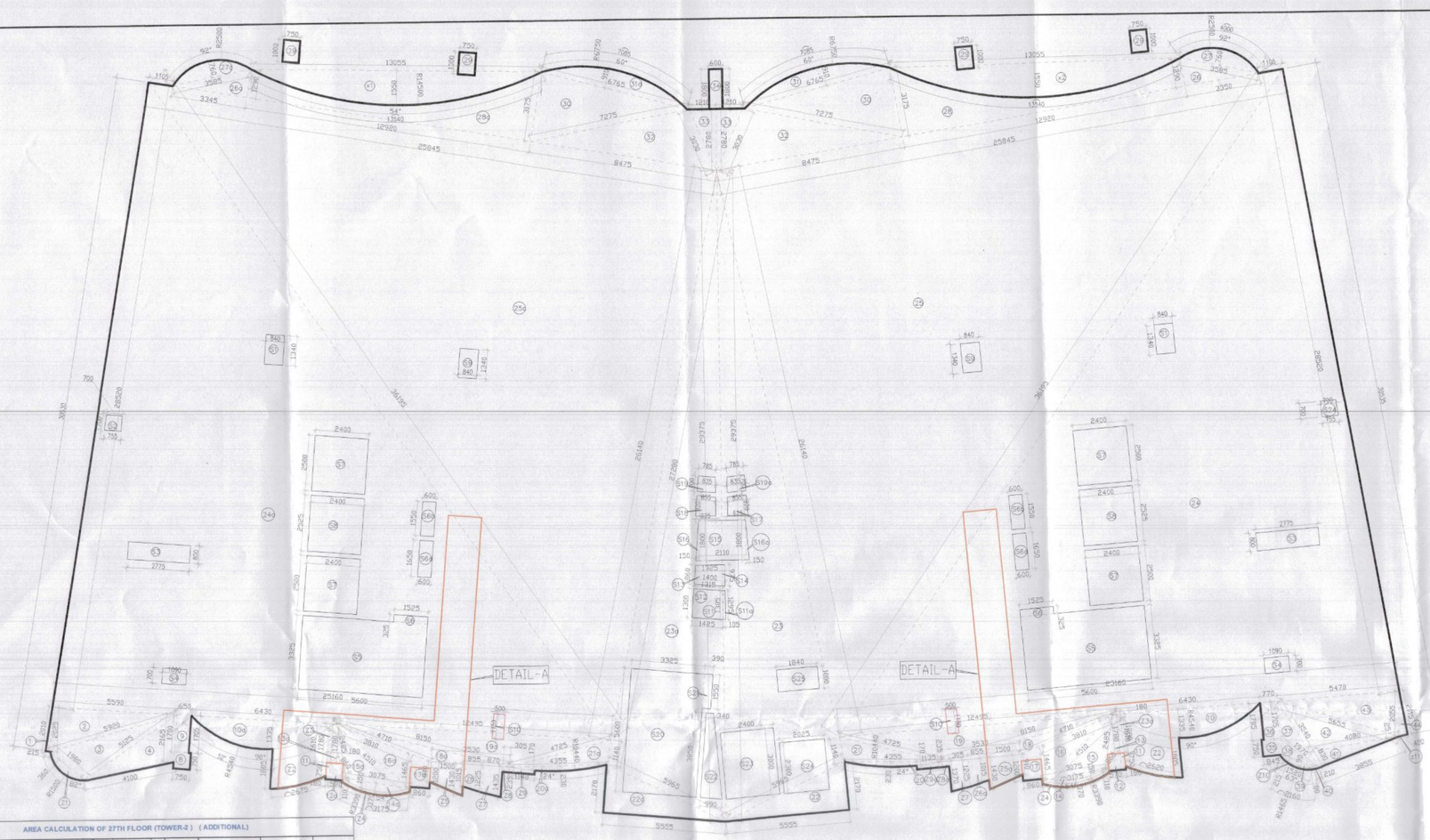
| GROSS - A | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0.9 | x | | | 0.840 | | x | 0.400 | = | 0.302 | SQM | | |
| 3 | 1 | x | | | 0.760 | | x | 1.700 | = | 1.292 | SQM | | |
| 4 | 1 | x | | | 0.760 | | x | 1.700 | = | 1.29 | SQM | | |
| 11 | 0.6 | x | 0.780 | + | 0.110 | | x | 0.970 | = | 1.215 | SQM | | |
| 12 | 0.6 | x | 0.780 | + | 0.110 | | x | 0.970 | = | 1.215 | SQM | | |
| 13 | 0.6 | x | 1.200 | + | 1.460 | | x | 0.970 | = | 2.248 | SQM | | |
| 14 | 0.6 | x | 1.200 | + | 1.460 | | x | 0.970 | = | 2.248 | SQM | | |
| 15 | 0.6 | x | 1.200 | + | 1.460 | | x | 0.960 | = | 1.46 | SQM | | |
| 16 | 0.6 | x | 1.170 | + | 1.290 | | x | 0.960 | = | 1.404 | SQM | | |
| 39 | 0.6 | x | 1.170 | + | 1.290 | | x | 0.960 | = | 1.404 | SQM | | |
| 39a | 0.6 | x | 1.170 | + | 1.290 | | x | 13.930 | = | 26.844 | SQM | | |
| 33 | 1 | x | | | 0.760 | | x | 1.000 | = | 0.760 | SQM | | |
| 34 | 1 | x | | | 0.600 | | x | 1.000 | = | 1.000 | SQM | | |
| 47 | 1 | x | | | 0.500 | | x | 1.000 | = | 0.500 | SQM | | |
| 48 | 2 | x | | | 0.760 | | x | 7.000 | = | 10.553 | SQM | | |
| | | | | | | | | | TOTAL | = | 50.916 | SQM | |

| GROSS - B | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | x | | | 0.840 | | x | 1.340 | = | 2.251 | SQM | | |
| 2 | 0.9 | x | 0.700 | + | 0.755 | | x | 1.700 | = | 0.930 | SQM | | |
| 2a | 0.9 | x | 0.700 | + | 0.755 | | x | 1.700 | = | 0.930 | SQM | | |
| 3 | 2 | x | | | 2.025 | | x | 1.700 | = | 6.885 | SQM | | |
| 4 | 2 | x | | | 2.025 | | x | 1.700 | = | 6.885 | SQM | | |
| 5 | 2 | x | | | 0.950 | | x | 1.610 | = | 3.060 | SQM | | |
| 6 | 2 | x | | | 0.950 | | x | 1.610 | = | 3.060 | SQM | | |
| 7 | 2 | x | | | 2.400 | | x | 1.700 | = | 8.160 | SQM | | |
| 8 | 2 | x | | | 2.400 | | x | 1.700 | = | 8.160 | SQM | | |
| 9 | 2 | x | | | 0.900 | | x | 1.700 | = | 3.060 | SQM | | |
| 10 | 2 | x | | | 0.500 | | x | 1.700 | = | 1.700 | SQM | | |
| 11 | 0.5 | x | 1.425 | | | | x | 1.700 | = | 1.213 | SQM | | |
| 11a | 0.9 | x | 1.295 | + | 1.305 | | x | 1.700 | = | 4.000 | SQM | | |
| 12 | 0.5 | x | 1.315 | | | | x | 1.700 | = | 1.118 | SQM | | |
| 13 | 0.5 | x | 1.450 | | | | x | 1.700 | = | 1.233 | SQM | | |
| 13a | 0.5 | x | 1.325 | | | | x | 1.700 | = | 1.126 | SQM | | |
| 14 | 2 | x | | | 1.325 | | x | 1.700 | = | 4.505 | SQM | | |
| 15 | 2 | x | | | 1.325 | | x | 1.700 | = | 4.505 | SQM | | |
| 16 | 2 | x | | | 1.325 | | x | 1.700 | = | 4.505 | SQM | | |
| 17 | 2 | x | | | 1.325 | | x | 1.700 | = | 4.505 | SQM | | |
| 18 | 0.5 | x | 0.825 | + | 0.925 | | x | 1.700 | = | 2.125 | SQM | | |
| 19 | 0.5 | x | 0.825 | + | 0.925 | | x | 1.700 | = | 2.125 | SQM | | |
| 20 | 0.5 | x | 0.925 | + | 0.925 | | x | 1.700 | = | 2.295 | SQM | | |
| 21 | 0.5 | x | 0.925 | + | 0.925 | | x | 1.700 | = | 2.295 | SQM | | |
| 22 | 0.5 | x | 0.925 | + | 0.925 | | x | 1.700 | = | 2.295 | SQM | | |
| 23 | 0.5 | x | 0.925 | + | 0.925 | | x | 1.700 | = | 2.295 | SQM | | |
| 24 | 0.5 | x | 0.930 | + | 0.785 | | x | 1.700 | = | 1.487 | SQM | | |
| 25 | 0.5 | x | 0.930 | + | 0.785 | | x | 1.700 | = | 1.487 | SQM | | |
| 26 | 0.5 | x | 0.930 | + | 0.785 | | x | 1.700 | = | 1.487 | SQM | | |
| 27 | 0.5 | x | 0.930 | + | 0.785 | | x | 1.700 | = | 1.487 | SQM | | |
| 28 | 0.5 | x | 0.930 | + | 0.785 | | x | 1.700 | = | 1.487 | SQM | | |
| 29 | 0.5 | x | 0.930 | + | 0.785 | | x | 1.700 | = | 1.487 | SQM | | |
| 30 | 0.5 | x | 0.930 | + | 0.785 | | x | 1.700 | = | 1.487 | SQM | | |
| 31 | 0.5 | x | 0.930 | + | 0.785 | | x | 1.700 | = | 1.487 | SQM | | |
| 32 | 0.5 | x | 0.930 | + | 0.785 | | x | 1.700 | = | 1.487 | SQM | | |
| 33 | 0.5 | x | 0.930 | + | 0.785 | | x | 1.700 | = | 1.487 | SQM | | |
| 34 | 0.5 | x | 0.930 | + | 0.785 | | x | 1.700 | = | 1.487 | SQM | | |
| 35 | 0.5 | x | 0.930 | + | 0.785 | | x | 1.700 | = | 1.487 | SQM | | |
| 36 | 0.5 | x | 0.930 | + | 0.785 | | x | 1.700 | = | 1.487 | SQM | | |
| 37 | 0.5 | x | 0.930 | + | 0.785 | | x | 1.700 | = | 1.487 | SQM | | |
| 38 | 0.5 | x | 0.930 | + | 0.785 | | x | 1.700 | = | 1.487 | SQM | | |
| 39 | 0.5 | x | 0.930 | + | 0.785 | | x | 1.700 | = | 1.487 | SQM | | |
| 40 | 0.5 | x | 0.930 | + | 0.785 | | x | 1.700 | = | 1.487 | SQM | | |
| 41 | 0.5 | x | 0.930 | + | 0.785 | | x | 1.700 | = | 1.487 | SQM | | |
| 42 | 0.5 | x | 0.930 | + | 0.785 | | x | 1.700 | = | 1.487 | SQM | | |
| 43 | 0.5 | x | 0.930 | + | 0.785 | | x | 1.700 | = | 1.487 | SQM | | |
| 44 | 0.5 | x | 0.930 | + | 0.785 | | x | 1.700 | = | 1.487 | SQM | | |
| 45 | 0.5 | x | 0.930 | + | 0.785 | | x | 1.700 | = | 1.487 | SQM | | |
| 46 | 0.5 | x | 0.930 | + | 0.785 | | x | 1.700 | = | 1.487 | SQM | | |
| 47 | 0.5 | x | 0.930 | + | 0.785 | | x | 1.700 | = | 1.487 | SQM | | |
| 48 | 0.5 | x | 0.930 | + | 0.785 | | x | 1.700 | = | 1.487 | SQM | | |
| | | | | | | | | | TOTAL | = | 78.893 | SQM | |

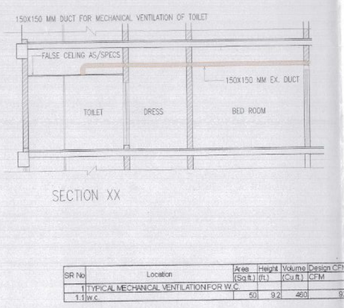
| BUILTUP AREA | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GROSS - F | | | | | | | | | | | | | |
| 1 | 2 | x | | | 1.600 | | x | 3.325 | = | 37.240 | SQM | | |
| 2 | 1 | x | | | 0.525 | | x | 5.325 | = | 2.797 | SQM | | |
| 3 | 1 | x | | | 3.350 | | x | 5.800 | = | 19.430 | SQM | | |
| 4 | 1 | x | | | 0.550 | | x | 1.800 | = | 0.990 | SQM | | |
| | | | | | | | | | TOTAL | = | 57.458 | SQM | |

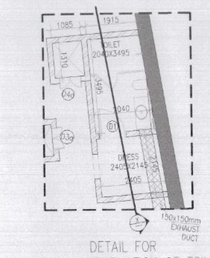
| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TOTAL BUILTUP AREA OF 27TH FLOOR ( TOWER-2) | = | GROSS - 1 | + | GROSS - F | | | | | | | | | |
| | = | 1627.553 | + | 57.456 | | | | | | | | | |
| GROSS-2 | = | 1685.009 | SQM | | | | | | | | | | |
| TOTAL NON FAR AREA OF 27TH FLOOR ( TOWER-2) | = | GROSS - 2 | - | FAR AREA | | | | | | | | | |
| | = | 1685.009 | - | 1627.55 | | | | | | | | | |
| | = | 57.456 | SQM | | | | | | | | | | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TOTAL FAR AREA CALCULATION OF 27TH FLOOR | = | GROSS - A | + | GROSS - B | + | GROSS - C | + | GROSS - D | - | GROSS - E | - | GROSS - F |
| | = | 50.916 | + | 27.891 | + | 1685.009 | - | 27.338 | - | 78.893 | - | 57.456 |
| | = | GROSS-1 | + | 1627.553 | SQM | | | | | | | |




AREA CALCULATION OF REFUGE FLOOR
(15TH & 23RD FLOOR)
TOWER-2(TOWER-B)




DETAIL FOR
MECHANICAL VENTILATION OF TOILET AREA

| SR.No. | Location | Size (mm) | Qty | Qty Required | CALCULATION OF SUPPLY AIR QUANTITY |
|---|---|---|---|---|---|
| | | (L)x(B) | | | (L)x(B)x(H)x(ACH)/3600 (m³/s) |
| 01 | TYPICAL MECHANICAL REFUFLOOR | 300 | 3/2 | 450 | 0.45X0.15X4 Cycle/hr=0.15m³/s(318 CFM) |
| 1 | Total | | | | |

AREA CALCULATION OF
(27TH FLOOR) (TOWER-B) ( ADDITIONAL)

| GROSS - D | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1a | 0.9 | x | 1.100 | x | 1.400 | / | 2 | x | 0.925 | = | 0.777 | SQM | |
| 1b | 0.9 | x | 1.100 | x | 1.400 | / | 2 | x | 0.925 | = | 0.777 | SQM | |
| 1c | 0.9 | x | 1.100 | x | 1.400 | / | 2 | x | 0.925 | = | 0.777 | SQM | |
| 1d | 0.9 | x | 1.100 | x | 1.400 | / | 2 | x | 0.925 | = | 0.777 | SQM | |
| 1e | 0.9 | x | 1.100 | x | 1.400 | / | 2 | x | 0.925 | = | 0.777 | SQM | |
| 1f | 0.9 | x | 1.100 | x | 1.400 | / | 2 | x | 0.925 