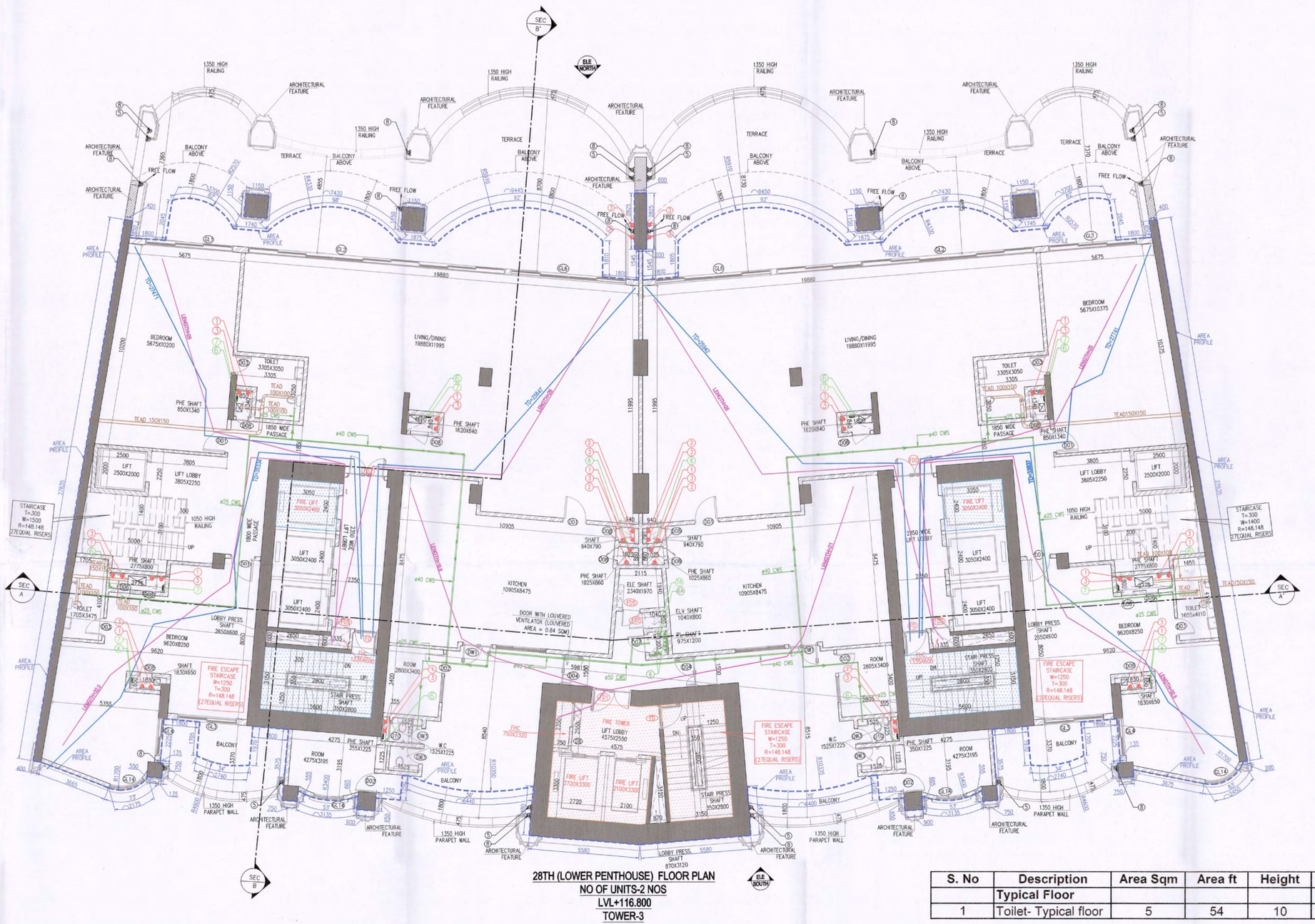



HVAC LEGEND : -

TOILET EXHAUST DUCT




28TH (LOWER PENTHOUSE) FLOOR PLAN
NO OF UNITS-2 NOS
LVL+116.800
TOWER-3

| S. No | Description | Area Sqm | Area ft | Height | ACPH | CFM | Equipment Selection |
|---|---|---|---|---|---|---|---|
| | Typical Floor | | | | | | |
| 1 | Toilet- Typical floor | 5 | 54 | 10 | 10 | 90 | 1 No 100 CFM Inline fan |

| DOOR / WINDOW SCHEDULE (TOWER-3) | | | | | | |
|---|---|---|---|---|---|---|
| DOOR NAME | SIZE | SILL LVL | LINTEL LVL | LOCATION | | FIRE RATED |
| D01 | 1200 X 2400 | | 2400 | BEDROOM, KITCHEN & PASSAGE | | |
| D02 | 1000 X 2400 | | 2400 | SERVICE PERSONAL /ROOM | | |
| D03 | 900 X 2400 | | 2400 | TOILETS | | |
| D04 | 1500 X 2700 | | 2700 | KITCHEN , SERVICE PASSAGE | | |
| D05 | 2000 X 2400 | | 2400 | STAIRCASE | | |
| D06 | 1200 X 2300 | 100 MM | 2400 | FHC | | |
| D07 | 900 X 2300 | 100 MM | 2400 | ELECTRICAL SHAFT | | |
| D08 | 600 X 2300 | 100 MM | 2400 | PHE SHAFT | | |
| D09 | 800 X 2300 | 100 MM | 2400 | ELV. SHAFT | | |
| D10 | 1000 X 2300 | 100 MM | 2400 | FHC | | |
| FD | 1200 X 2700 | | 2700 | STAIRCASES | | 2 HRS |
| FD1 | 2000 X 2700 | | 2700 | SERVICE CORE LIFT LOBBY | | 2 HRS |
| FD2 | 1800 X 2850 | | 2850 | PASSENGER LIFT LOBBY | | 2 HRS |
| FD3 | 1500 X 2700 | | 2700 | REFUGE TERRACE | | 2 HRS |
| FD4 | 1200 X 2400 | | 2400 | ELE. ROOM (Ground Floor) | | 2 HRS |
| FD5 | 900 X 2400 | | 2400 | ELEVE SHAFT | | 2 HRS |
| DW1 | 1250/2400 X 2700 | 1200 MM | 2700 | KITCHEN + REFUGE | | |
| DW2 | 1500 x 2500/2700 | 1200 MM | 2700 | KITCHEN | | |
| DW3 | 800X 2400 | | | WC | | |
| W2 | 1310 X 1500 | 900 MM | 2400 | ROOM | | |
| W3 | 2000 X 900 | 1800 MM | 2700 | REFUGE FLOOR | | 2 HRS |

| GLAZING SCHEDULE (UPPER GROUND TO 28TH FLOOR) | |
|---|---|
| GLAZING NAME | SIZE |
| GL1 | 4360 x 3050 |
| GL2 | 8460 x 3050 |
| GL3 | 2965 X 3050 |
| GL4 | 1865 x 3050 |
| GL5 | 1865 x 4000 |
| GL6 | 8850 X 4000 |
| GL10 | 3635 X 4000 |
| GL11 | 2060 X 4000 |
| GL12 | 12465 X 4000 |
| GL13 | 8460 X 4000 |
| GL14 | 1810 x 2750 |

LEGEND : -

| | | |
|---|---|---|
| | 1 | 160ø SOIL & WASTE COMBINE PIPE |
| | 2 | 160ø WASTE O/T PIPE |
| | 3 | 160ø ANTI/SIPHONE PIPE |
| | 5 | 160ø TERRACE RAIN WATER PIPE |
| | 6 | DOMESTIC WATER SUPPLY DOWNTAKE PIPE |
| | 7 | FLUSHING WATER SUPPLY DOWNTAKE PIPE |
| | 8 | 160ø BALCONY RAIN WATER PIPE |
| | 6A | DOMESTIC WATER SUPPLY RISER PIPE |
| | 7A | FLUSHING WATER SUPPLY RISER PIPE |
| | | KHURRA 650x650MM |

TOILET EXHAUST DUCT

28TH (LOWER PENTHOUSE) FLOOR AREA CALCULATION

| GROSS – A | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.5 | X | 3.085 | + | 3.025 | X | 0.400 | = | 1.224 | SQM |
| 2 | 0.5 | X | 2.175 | + | 2.025 | X | 1.825 | = | 3.633 | SQM |
| 3 | 0.5 | X | | | 4.070 | X | 2.380 | = | 8.688 | SQM |
| 4 | 0.5 | X | | | 3.743 | | | = | 4.940 | |
| 5 | 0.5 | X | 2.585 | + | 2.435 | X | 1.735 | = | 4.355 | SQM |
| 6a | 1 | X | | | 3.150 | X | 1.180 | = | 3.390 | SQM |
| 6 | 0.5 | X | 2.435 | + | 1.890 | X | 6.530 | = | 14.121 | SQM |
| 7 | 0.5 | X | 1.890 | + | 1.735 | X | 1.870 | = | 3.389 | SQM |
| 8 | 0.5 | X | 1.735 | + | 1.955 | X | 8.470 | = | 15.827 | SQM |
| 9 | 0.5 | X | | | 1.800 | X | 0.150 | = | 0.135 | SQM |
| 10 | 1 | X | | | 0.600 | X | 2.825 | = | 1.695 | SQM |
| 11 | 1 | X | | | 0.200 | X | 1.543 | = | 0.309 | SQM |
| 12 | 0.5 | X | | | 1.800 | X | 0.150 | = | 0.135 | SQM |
| 13 | 0.5 | X | 1.960 | + | 1.735 | X | 8.470 | = | 18.648 | SQM |
| 14 | 0.5 | X | 1.735 | + | 1.890 | X | 1.870 | = | 3.389 | SQM |
| 15 | 0.5 | X | 1.890 | + | 2.435 | X | 6.530 | = | 14.121 | SQM |
| 16 | 0.5 | X | 2.435 | + | 2.585 | X | 1.735 | = | 4.355 | SQM |
| 17 | 0.5 | X | | | 3.750 | X | 2.585 | = | 4.847 | SQM |
| 18 | 0.5 | X | | | 4.070 | X | 3.390 | = | 8.699 | SQM |
| 19 | 0.5 | X | 2.025 | + | 2.175 | X | 1.825 | = | 3.833 | SQM |
| 20 | 0.5 | X | 3.025 | + | 3.090 | X | 0.400 | = | 1.224 | SQM |
| 21 | 0.5 | X | 55.870 | + | 60.420 | X | 22.095 | = | 1255.731 | SQM |
| 22 | 0.5 | X | 2.130 | + | 2.185 | X | 0.200 | = | 0.430 | SQM |
| 23 | 0.5 | X | 2.185 | + | 3.275 | X | 1.850 | = | 5.032 | SQM |
| 24 | 0.5 | X | 3.275 | + | 2.585 | X | 3.550 | = | 10.388 | SQM |
| 25 | 0.5 | X | 2.175 | + | 2.225 | X | 0.615 | = | 1.353 | SQM |
| 26 | 1 | X | | | 0.750 | X | 0.750 | = | 0.563 | SQM |
| 27 | 0.5 | X | | | 1.800 | X | 0.150 | = | 0.135 | SQM |
| 28 | 0.5 | X | 1.855 | + | 2.345 | X | 2.685 | = | 5.660 | SQM |
| 30 | 0.5 | X | 0.375 | + | 0.525 | X | 1.800 | = | 0.810 | SQM |
| 31 | 0.5 | X | 3.610 | + | 3.900 | X | 3.023 | = | 11.398 | SQM |
| 32 | 1 | X | | | 0.900 | X | 0.650 | = | 0.585 | SQM |
| 33 | 0.5 | X | 3.915 | + | 4.095 | X | 2.150 | = | 8.611 | SQM |
| 34 | 0.5 | X | 2.845 | + | 2.875 | X | 0.315 | = | 0.901 | SQM |
| 35 | 0.5 | X | 2.675 | + | 3.405 | X | 6.300 | = | 19.782 | SQM |
| 36 | 0.5 | X | | | 5.580 | X | 5.873 | = | 16.391 | SQM |
| 37 | 0.5 | X | | | 5.140 | X | 6.323 | = | 16.255 | SQM |
| 38 | 0.5 | X | | | 6.325 | X | 5.070 | = | 16.034 | SQM |
| 39 | 0.5 | X | | | 5.580 | X | 5.880 | = | 16.405 | SQM |
| 40 | 0.5 | X | 3.400 | + | 2.875 | X | 6.333 | = | 19.879 | SQM |
| 41 | 0.5 | X | 2.875 | + | 2.840 | X | 0.310 | = | 0.887 | SQM |
| 42 | 0.5 | X | 4.095 | + | 3.915 | X | 2.150 | = | 8.611 | SQM |
| 43 | 0.5 | X | | | 0.900 | X | 0.650 | = | 0.293 | SQM |
| 44 | 0.5 | X | 3.900 | + | 3.610 | X | 3.023 | = | 11.398 | SQM |
| 45 | 0.5 | X | 4.185 | + | 4.100 | X | 0.750 | = | 3.099 | SQM |
| 46 | 0.5 | X | 0.525 | + | 0.375 | X | 1.800 | = | 0.810 | SQM |
| 47 | 0.5 | X | 2.345 | + | 1.855 | X | 2.685 | = | 5.660 | SQM |
| 48 | 0.5 | X | | | 1.800 | X | 0.150 | = | 0.135 | SQM |
| 49 | 1 | X | | | 0.135 | X | 0.750 | = | 0.101 | SQM |
| 50 | 0.5 | X | 2.875 | + | 2.830 | X | 0.550 | = | 1.634 | SQM |
| 51 | 0.5 | X | 2.930 | + | 3.485 | X | 1.905 | = | 6.110 | SQM |
| 52 | 0.5 | X | | | 3.535 | X | 1.310 | = | 2.315 | SQM |
| 53 | 0.5 | X | 2.175 | + | 2.200 | X | 3.538 | = | 7.733 | SQM |
| 54 | 0.5 | X | 3.200 | + | 3.130 | X | 0.400 | = | 0.866 | SQM |
| | | | | | | | TOTAL | = | 1572.137 | SQM |

| DEDUCTION AREA | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| GROSS –B | | | | | | | | | | |
| x1 | 2 | X | | | 1.580 | X | 0.650 | = | 2.054 | SQM |
| x2 | 2 | X | | | 0.250 | X | 0.280 | = | 0.140 | SQM |
| x3 | 2 | X | | | 2.775 | X | 0.800 | = | 4.440 | SQM |
| x4 | 2 | X | | | 0.850 | X | 1.340 | = | 2.278 | SQM |
| x5 | 2 | X | | | 1.620 | X | 0.840 | = | 2.722 | SQM |
| x6 | 6 | X | | | 3.050 | X | 2.400 | = | 43.920 | SQM |
| x7 | 2 | X | | | 2.650 | X | 0.850 | = | 3.180 | SQM |
| x8 | 2 | X | | | 0.400 | X | 0.600 | = | 0.480 | SQM |
| x9 | 2 | X | | | 0.935 | X | 0.650 | = | 1.225 | SQM |
| x10 | 2 | X | | | 0.885 | X | 0.300 | = | 0.531 | SQM |
| x11 | 2 | X | | | 1.265 | X | 1.055 | = | 2.669 | SQM |
| x12 | 2 | X | | | 5.600 | X | 3.150 | = | 35.280 | SQM |
| x13 | 2 | X | | | 0.355 | X | 1.225 | = | 0.870 | SQM |
| x14 | 0.5 | X | 1.010 | + | 0.840 | X | 0.785 | = | 0.765 | SQM |
| x15 | 0.5 | X | 1.010 | + | 0.840 | X | 0.785 | = | 0.765 | SQM |
| x16 | 2 | X | | | 0.145 | X | 0.935 | = | 0.271 | SQM |
| x17 | 0.5 | X | | | 0.880 | X | 0.935 | = | 0.411 | SQM |
| x18 | 0.5 | X | | | 0.860 | X | 0.955 | = | 0.411 | SQM |
| x19 | 0.5 | X | | | 0.880 | X | 0.935 | = | 0.411 | SQM |
| x20 | 0.5 | X | | | 0.860 | X | 0.955 | = | 0.411 | SQM |
| x21 | 0.5 | X | | | 1.055 | X | 2.035 | = | 1.073 | SQM |
| x22 | 0.5 | X | | | 1.225 | X | 1.940 | = | 1.188 | SQM |
| x23 | 0.5 | X | | | 1.055 | X | 2.035 | = | 1.073 | SQM |
| x24 | 0.5 | X | | | 1.225 | X | 1.940 | = | 1.188 | SQM |
| x25 | 1 | X | | | 0.975 | X | 0.800 | = | 0.780 | SQM |
| x26 | 1 | X | | | 0.975 | X | 1.200 | = | 1.170 | SQM |
| x27 | 0.5 | X | 4.170 | + | 4.780 | X | 7.300 | = | 32.668 | SQM |
| x28 | 0.5 | X | 4.170 | + | 4.780 | X | 7.300 | = | 32.668 | SQM |
| | | | | | | | TOTAL | = | 178.048 | SQM |

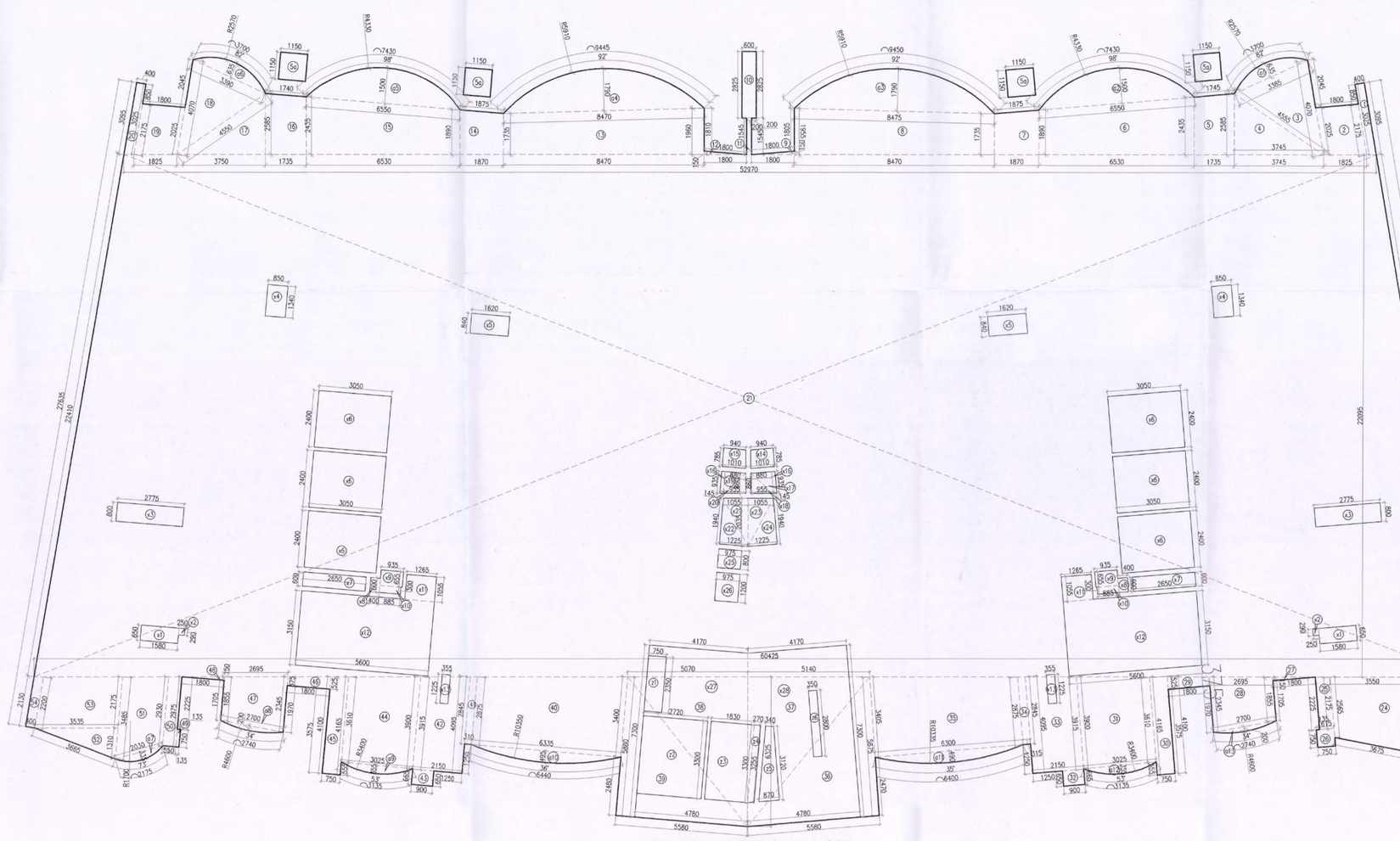
| | | | | | |
|---|---|---|---|---|---|
| TOTAL 28TH (LOWER PENTHOUSE) FLOOR ADDITIONAL AREA | = | GROSS – A | + | GROSS – A1 | |
| | = | 1572.137 | + | 45.040 | |
| GROSS – 1 | = | 1617.177 | SQM | | |
| TOTAL 28TH (LOWER PENTHOUSE) FLOOR DEDUCTION AREA | = | GROSS – B | | | |
| | = | 178.048 | | | |
| GROSS – 2 | = | 178.048 | SQM | | |
| TOTAL 28TH (LOWER PENTHOUSE) FLOOR FAR AREA | = | GROSS – 1 | - | GROSS – 2 | |
| | = | 1617.177 | - | 175.048 | |
| | = | 1442.129 | SQM | | |

| NON FAR AREA (ADDITION) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| GROSS –C | | | | | | | | | | |
| x11 | 2 | X | | | 1.265 | X | 1.055 | = | 2.669 | SQM |
| x12 | 2 | X | | | 5.600 | X | 3.150 | = | 35.280 | SQM |
| x21 | 0.5 | X | | | 1.055 | X | 2.035 | = | 1.073 | SQM |
| x22 | 0.5 | X | | | 1.225 | X | 1.940 | = | 1.188 | SQM |
| x23 | 0.5 | X | | | 1.055 | X | 2.035 | = | 1.073 | SQM |
| x24 | 0.5 | X | | | 1.225 | X | 1.940 | = | 1.188 | SQM |
| x27 | 0.5 | X | 4.170 | + | 4.780 | X | 7.300 | = | 32.668 | SQM |
| x28 | 0.5 | X | 4.170 | + | 4.780 | X | 7.300 | = | 32.668 | SQM |
| | | | | | | TOTAL | | = | 107.808 | SQM |

| NON FAR AREA(DEDUCTION) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| GROSS –D | | | | | | | | | | |
| x1 | 1 | X | | | 0.750 | X | 2.350 | = | 1.763 | SQM |
| x2 | 1 | X | | | 2.720 | X | 3.300 | = | 8.976 | SQM |
| x3 | 1 | X | | | 1.830 | X | 3.300 | = | 6.039 | SQM |
| x4 | 0.5 | X | 3.300 | + | 3.255 | X | 0.270 | = | 0.885 | SQM |
| x5 | 0.5 | X | 0.340 | + | 0.870 | X | 3.120 | = | 1.686 | SQM |
| x5 | 1 | X | | | 0.350 | X | 2.800 | = | 0.980 | SQM |
| | | | | | | TOTAL | | = | 20.530 | SQM |

| | | | | | |
|---|---|---|---|---|---|
| TOTAL NON FAR AREA OF 28TH (LOWER PENTHOUSE) FLOOR | = | GROSS –C | - | GROSS –D | |
| | = | 107.808 | - | 20.530 | |
| | = | 87.278 | SQM | | |
| TOTAL BUILTUP AREA OF 28TH (LOWER PENTHOUSE) FLOOR | = | FAR AREA | + | NON FAR AREA | |
| | = | 1442.129 | + | 87.278 | |
| | = | 1529.407 | SQM | | |

| ARC AREA | AREA CALCULATION (ADDITIONAL) | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GROSS -A1 | | | | | | | | | | | | | | | | | | | |
| a1 | 3.14 | X | 2.670 | X | 2.670 | X | 82 | / | 360 | - | 0.5 | X | 2.570 | - | 0.635 | X | 3.385 | = | 1.449 | SQM |
| a2 | 3.14 | X | 4.330 | X | 4.330 | X | 98 | / | 360 | - | 0.5 | X | 4.330 | - | 1.500 | X | 6.550 | = | 8.758 | SQM |
| a3 | 3.14 | X | 5.910 | X | 5.910 | X | 92 | / | 360 | - | 0.5 | X | 5.910 | - | 1.790 | X | 8.470 | = | 10.417 | SQM |
| a4 | 3.14 | X | 5.910 | X | 5.910 | X | 92 | / | 360 | - | 0.5 | X | 5.910 | - | 1.790 | X | 8.470 | = | 10.427 | SQM |
| a5 | 3.14 | X | 4.330 | X | 4.330 | X | 98 | / | 360 | - | 0.5 | X | 4.330 | - | 1.500 | X | 6.550 | = | 8.758 | SQM |
| a6 | 3.14 | X | 2.570 | X | 2.570 | X | 82 | / | 360 | - | 0.5 | X | 2.570 | - | 0.635 | X | 3.390 | = | 1.444 | SQM |
| a7 | 3.14 | X | 1.700 | X | 1.700 | X | 73 | / | 360 | - | 0.5 | X | 1.700 | - | 0.335 | X | 2.030 | = | 0.455 | SQM |
| a8 | 3.14 | X | 4.600 | X | 4.600 | X | 34 | / | 360 | - | 0.5 | X | 4.600 | - | 0.200 | X | 2.695 | = | 0.346 | SQM |
| a9 | 3.14 | X | 3.400 | X | 3.400 | X | 53 | / | 360 | - | 0.5 | X | 3.400 | - | 0.365 | X | 3.025 | = | 0.738 | SQM |
| a10 | 3.14 | X | 10.350 | X | 10.350 | X | 36 | / | 360 | - | 0.5 | X | 10.350 | - | 0.490 | X | 6.335 | = | 2.701 | SQM |
| a11 | 3.14 | X | 10.335 | X | 10.335 | X | 35 | / | 360 | - | 0.5 | X | 10.335 | - | 0.490 | X | 6.300 | = | 1.812 | SQM |
| a12 | 3.14 | X | 3.400 | X | 3.400 | X | 53 | / | 360 | - | 0.5 | X | 3.400 | - | 0.365 | X | 3.025 | = | 0.738 | SQM |
| a13 | 3.14 | X | 4.600 | X | 4.600 | X | 34 | / | 360 | - | 0.5 | X | 4.600 | - | 0.200 | X | 2.700 | = | 0.335 | SQM |
| a14 | 3.14 | X | 1.700 | X | 1.700 | X | 83 | / | 360 | - | 0.5 | X | 1.700 | - | 0.425 | X | 2.240 | = | 0.661 | SQM |
| | | | | | | | | | | | | | | | | | TOTAL | = | 45.040 | SQM |




28TH (LOWER PENTHOUSE) FLOOR
TOWER-3

NOTES:

- BUILDING WILL BE DESIGNED STRUCTURALLY AS PER RELEVANT IS CODES FOR EARTH QUAKE RESISTANCE.
- BUILDING HAS AUTOMATIC SPRINKLER SYSTEM ON ALL FLOORS.
- THE BUILDING IS FULLY MECHANICALLY VENTILATED & CENTRALLY AIR CONDITIONED WITH 100% POWER BACKUP.
- MSL 249.200 CONSIDERED AS ±00.00.
- ALL DIMENSIONS ARE IN MM UNLESS NOTED OTHERWISE.

DESIGN CONSULTANT:

RSP Design Consultants (I) Pvt. Ltd.

RSP UNIT 103 FIRST FLOOR BESTECH BUSINESS TOWER, SOHNA ROAD, SECTOR 48, GURUGRAM, HARYANA 122018

OWNER: DLF LIMITED
THE SHOPPING MALL,DLF QUTAB ENCLAVE(PHASE-I) GURGAON, HARYANA 122002

ASSOCIATE ARCHITECT:

SBA Design N Code LLP
Architecture-Codes-Interiors
(Formerly known as RSMS Architects)
69,Nora Niwas Bhawani Kunj, (Behind D2), Vasant Kunj, New Delhi-110070.
Mob.: 9810791652,9811077209

STRUCTURAL ENGINEER:

LERA CONSULTING STRUCTURAL ENGINEERS (INDIA) PVT LTD
THE RUBY,NORTH WING, FLOOR 23,29 (SENPATI BAPAT MARG, DADAR (W) MUMBAI MAHARASHTRA INDIA 400 028

MEP CONSULTANT:

ARUP INDIA PRIVATE LIMITED
5TH FLOOR, JET PRIME, NEAR METRO STATION, SUREN ROAD, NEAR OFF., WESTERN EXPRESS HIGHWAY, ANDHERI EAST, MUMBAI, MAHARASHTRA INDIA 400 093

TITLE:-

**REVISED BUILDING PLAN OF PHASE-R16 (THE DAHLIAS) FALLING IN GROUP HOUSING COLONY OVER AN AREA MEASURING 476.6015 ACRES NAMELY DLF-5 (EARLIER KNOWN AS ZONE-10, DLF CITY PHASE-V) IN SECTOR-42, 43, 53 & 54 GURUGRAM MANESAR URBAN COMPLEX BEING DEVELOPED BY DLF LIMITED.**

PROJECT:- THE DAHLIAS

This is a "PROVISIONAL BUILDING PLAN" approved only for the purpose of inviting objections from the general public.

S.T.P. (HQ) Member Secretary B.P.A.C. | S.T.P. (W) Member B.P.A.C. | S.T.P. (Hr.) Chairman B.P.A.C.

ATP(HQ) DTP(HQ) JD. PA. JD(HQ)

Checked and found ok for Public Health (Internal) Service only subject to comments in in forwarding letter No. 269370 Dt. 14/08/2025

JDT(T) MEMBER BPAC

Superintending Engineer (HQ) for Chief Engineer-I HSVP, Panchkula

TO BE READ WITH OUR OFFICE MEMO NO. 41382 DATED: 29-10-2025

| ARCHITECT'S SEAL & SIGNATURE | OWNER'S SEAL & SIGNATURE |
|---|---|
| | |

Date : JULY.2025 | Scale : 1:100

Drawing Title:- 28TH ( LOWER PENTHOUSE) FLOOR PLAN & AREA CALCULATION TOWER-03

Drawing No:- T3-06

DLF5 02-30092025