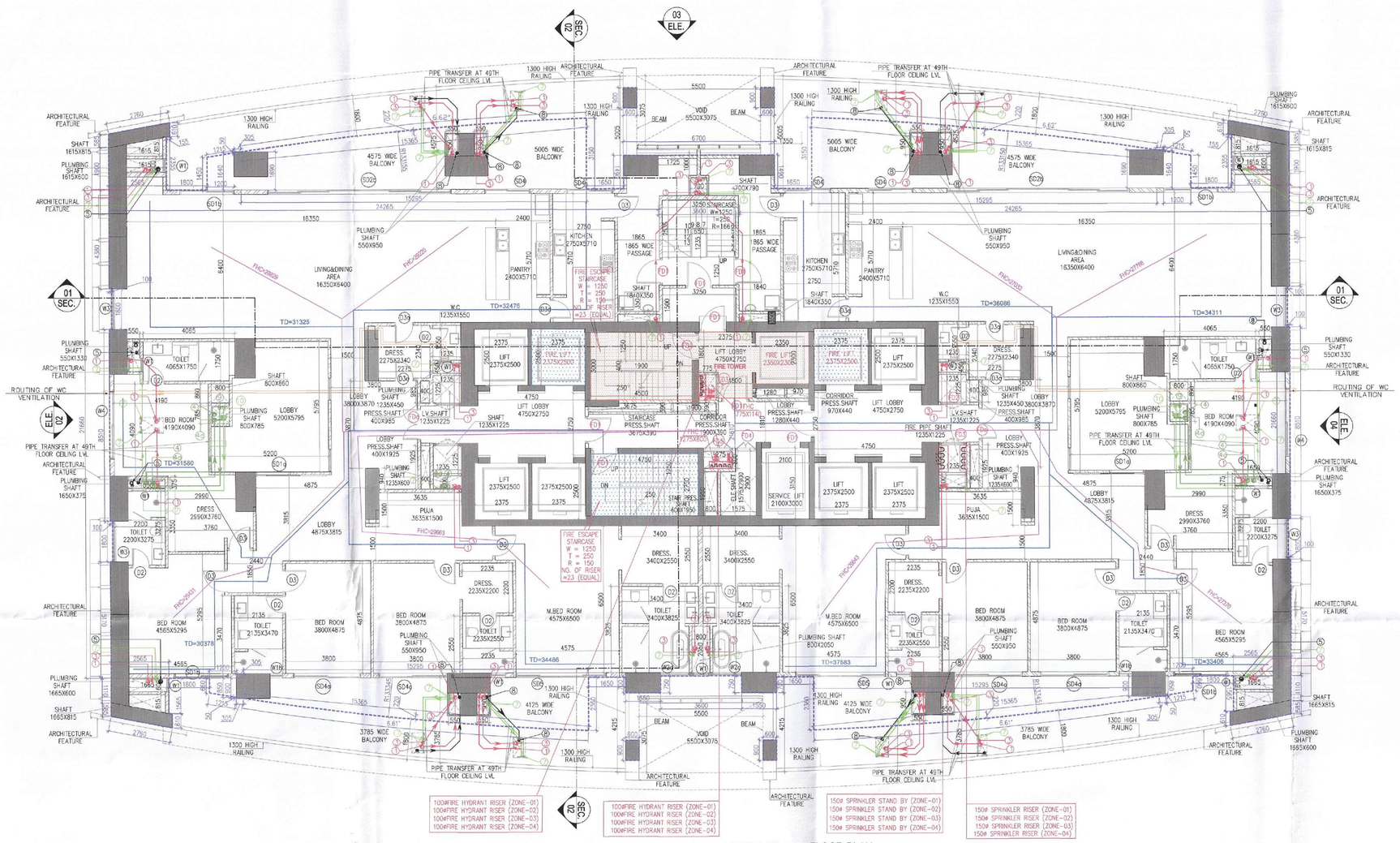
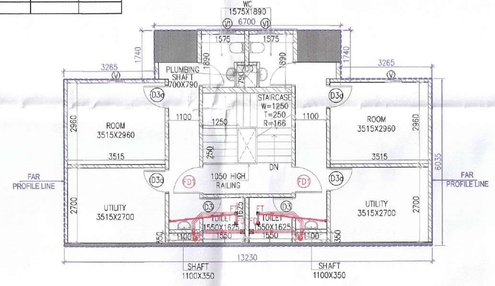


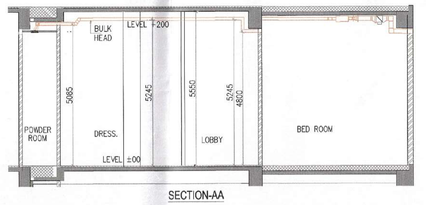

SHAFT PIPE

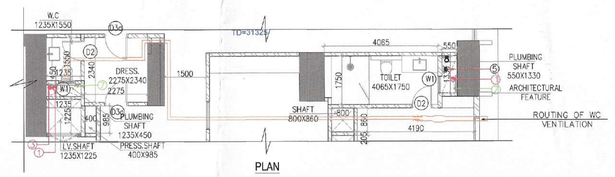
| SYMBOL | ABBRIVIATION | DESCRIPTION |
|---|---|---|
| 1 | SP | 150# SOIL & WASTE PIPE |
| 3 | VP | 80# VENT PIPE |
| | HWP | HOT WATER SUPPLY ON TAKE PIPE |
| | CWP | COLD WATER SUPPLY ON TAKE PIPE |
| 5 | RWP | 150# RAIN WATER PIPE |
| 7 | FWS | FLUSHING WATER SUPPLY ON TAKE PIPE |
| 8 | RWP | 75# RAIN WATER PIPE FOR BALCONY |
| | CWSR | COLD WATER SUPPLY RISER PIPE |
| 10 | FWSR | FLUSHING WATER SUPPLY RISER PIPE |

DOOR AND WINDOW SCHEDULE

| SR. | NAME | WIDTH (MM) | HEIGHT (MM) | SILL LVL | LINTELLVL | FIRE RATING |
|---|---|---|---|---|---|---|
| 1 | D1 | 900 | 2400 | 0 | 2400 | - |
| 2 | D2 | 800 | 2400 | 0 | 2400 | - |
| 3 | D2a | 850 | 2400 | 0 | 2400 | - |
| 4 | D2b | 750 | 2635 | 0 | 2635 | - |
| 5 | D3 | 1000 | 2400 | 0 | 2400 | - |
| 6 | D3a | 900 | 2600 | 0 | 2600 | - |
| 7 | SD1 | 3000 | 2600 | 0 | 2600 | - |
| 8 | SD1a | 1500 | 2600 | 0 | 2600 | - |
| 9 | SD1b | 2400 | 2600 | 0 | 2600 | - |
| 10 | SD2 | 1680 | 2600 | 0 | 2600 | - |
| 11 | SD2a | 1800 | 2600 | 0 | 2600 | - |
| 12 | SD2b | 8112 | 2600 | 0 | 2600 | - |
| 13 | SD3 | 4775 | 2600 | 0 | 2600 | - |
| 14 | SD4 | 2000 | 2600 | 0 | 2600 | - |
| 15 | SD4a | 3000 | 2600 | 0 | 2600 | - |
| 16 | SD5 | 4000 | 2600 | 0 | 2600 | - |
| 17 | W1 | 600 | 1100 | 1350 | 2450 | - |
| 18 | W1a | 725 | 1100 | 1350 | 2450 | - |
| 19 | W1b | 550 | 1100 | 1350 | 2450 | - |
| 20 | W2 | 1150 | 1550 | 1050 | 2600 | - |
| 21 | W2a | 1275 | 1550 | 1050 | 2600 | - |
| 22 | W3 | 1800 | 1550 | 900 | 2600 | - |
| 23 | W4 | 3000 | 1550 | 900 | 2600 | - |
| 25 | FD | 1200 | 2400 | 0 | 2400 | 1HR |
| 26 | FDa | 1400 | 2400 | 0 | 2400 | 2HR |
| 27 | FD1 | 1200 | 2400 | 0 | 2400 | 2HR |
| 28 | FD2 | 1000 | 2050 | 50 | 2150 | 2HR |
| 29 | FD3 | 1000 | 2050 | 50 | 2150 | - |
| 30 | FD4 | 900 | 2050 | 50 | 2150 | 2HR |
| 31 | S1 | 1000 | 1200 | - | - | - |
| 32 | S2 | 1000 | 2050 | - | - | - |
| 33 | V | 600 | 2000 | | | |
| 34 | V1 | 600 | 300 | | | |

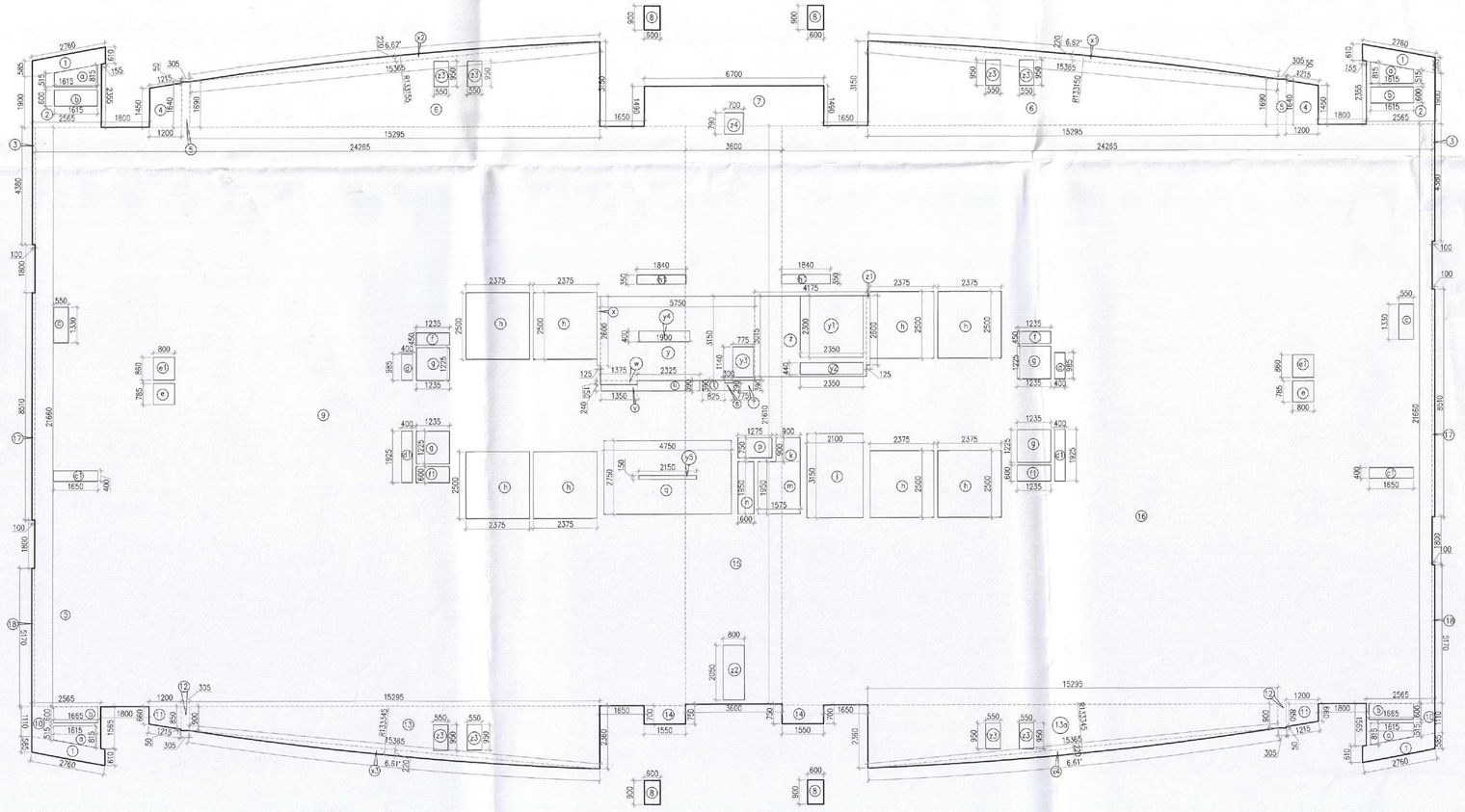


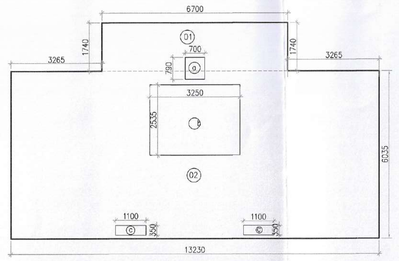




TYPICAL MECHANICAL VANTILATION CALCULATION FOR POWDER ROOM

| S. NO. | LOCATION | AREA (SQ.ft) | HEIGHT (Ft.) | VOLUME (Cu.ft) | DESIGN CFM | SELECTED EXHAUST FAN | FAN SIZE | EXHAUST DUCT SIZE DIAMETER (mm) |
|---|---|---|---|---|---|---|---|---|
| 1 | TYPICAL MECHANICAL VANTILATION FOR POWDER ROOM | | | | | | | |
| 1.1 | POWDER ROOM | 26.4 | 9 | 238 | 47.60 | 9#100cfm cassette in line fan | 150 | 110(OD) |




PENT HOUSE AREA CALCULATION

| GROSS – A | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 4 | X | 0.5 X (0.585+0.810) | X | 2.760 | = | 6.596 | | SQM |
| 2 | 2 | X | 0.5 X (1.900+2.355) | X | 2.565 | = | 10.914 | | SQM |
| 3 | 2 | X | 0.100 | X | 4.380 | = | 0.876 | | SQM |
| 4 | 2 | X | 0.5 X (1.450+1.640) | X | 1.200 | = | 3.708 | | SQM |
| 5 | 2 | X | 0.305 | X | 1.690 | = | 1.031 | | SQM |
| 6 | 2 | X | 0.5 X (1.690+3.150) | X | 15.295 | = | 74.928 | | SQM |
| 7 | 1 | X | 8.700 | X | 1.490 | = | 9.953 | | SQM |
| 8 | 4 | X | 0.602 | X | 0.900 | = | 2.150 | | SQM |
| 9 | 1 | X | 24.265 | X | 21.660 | = | 525.580 | | SQM |
| 10 | 2 | X | 0.5 X (1.569+1.110) | X | 2.065 | = | 6.861 | | SQM |
| 11 | 2 | X | 0.5 X (0.850+0.860) | X | 1.200 | = | 1.812 | | SQM |
| 12 | 2 | X | 0.305 | X | 0.900 | = | 0.549 | | SQM |
| 13 | 1 | X | 0.5 X (2.360+0.900) | X | 15.295 | = | 24.931 | | SQM |
| 13a | 1 | X | 0.5 X (2.375+0.900) | X | 15.295 | = | 25.046 | | SQM |
| 14 | 2 | X | 1.550 | X | 0.730 | = | 2.325 | | SQM |
| 15 | 1 | X | 3.600 | X | 21.610 | = | 77.796 | | SQM |
| 16 | 1 | X | 24.265 | X | 21.660 | = | 525.580 | | SQM |
| 17 | 2 | X | 0.100 | X | 8.610 | = | 1.722 | | SQM |
| 18 | 2 | X | 0.100 | X | 5.170 | = | 1.034 | | SQM |
| | | | | | TOTAL | = | 1302.512 | | SQM |
| | | | DEDUCTION AREA | | | | | | |
| GROSS – C | | | | | | | | | |
| a | 4 | X | 0.5 X (0.515+0.815) | X | 1.615 | = | 4.208 | | SQM |
| b | 4 | X | 1.615 | X | 0.600 | = | 3.876 | | SQM |
| c | 2 | X | 0.550 | X | 1.330 | = | 1.463 | | SQM |
| c1 | 2 | X | 1.650 | X | 0.400 | = | 1.320 | | SQM |
| d | 2 | X | 0.400 | X | 0.585 | = | 0.788 | | SQM |
| d1 | 2 | X | 0.400 | X | 1.825 | = | 1.540 | | SQM |
| e | 2 | X | 0.800 | X | 0.785 | = | 1.256 | | SQM |
| e1 | 2 | X | 0.600 | X | 0.860 | = | 1.376 | | SQM |
| f | 2 | X | 1.235 | X | 0.450 | = | 1.112 | | SQM |
| f1 | 2 | X | 1.235 | X | 0.600 | = | 1.482 | | SQM |
| g | 4 | X | 1.235 | X | 1.225 | = | 6.052 | | SQM |
| h | 8 | X | 2.375 | X | 2.500 | = | 47.500 | | SQM |
| h1 | 2 | X | 1.840 | X | 0.350 | = | 1.288 | | SQM |
| i | 1 | X | 2.100 | X | 3.000 | = | 6.300 | | SQM |
| k | 1 | X | 0.900 | X | 0.900 | = | 0.810 | | SQM |
| m | 1 | X | 1.575 | X | 1.950 | = | 3.071 | | SQM |
| n | 1 | X | 0.600 | X | 1.950 | = | 1.170 | | SQM |
| o | 1 | X | 1.278 | X | 0.750 | = | 0.996 | | SQM |
| q | 1 | X | 4.750 | X | 2.750 | = | 13.063 | | SQM |
| r | 1 | X | 0.770 | X | 0.390 | = | 0.360 | | SQM |
| s | 1 | X | 0.300 | X | 0.250 | = | 0.075 | | SQM |
| t | 1 | X | 0.825 | X | 0.390 | = | 0.322 | | SQM |
| u | 1 | X | 2.325 | X | 0.350 | = | 0.907 | | SQM |
| v | 1 | X | 1.350 | X | 0.240 | = | 0.324 | | SQM |
| w | 1 | X | 1.375 | X | 0.150 | = | 0.206 | | SQM |
| x | 1 | X | 0.125 | X | 2.600 | = | 0.325 | | SQM |
| y | 1 | X | 5.750 | X | 3.150 | = | 18.113 | | SQM |
| z | 1 | X | 4.175 | X | 3.015 | = | 12.588 | | SQM |
| z1 | 1 | X | 0.125 | X | 2.600 | = | 0.325 | | SQM |
| z2 | 1 | X | 0.800 | X | 2.050 | = | 1.640 | | SQM |
| z3 | 8 | X | 0.550 | X | 0.950 | = | 4.180 | | SQM |
| z4 | 1 | X | 0.700 | X | 0.790 | = | 0.553 | | SQM |
| | | | | | TOTAL | = | 138.589 | | SQM |

| TOTAL FAR AREA OF PENT HOUSE | = | GROSS – A | + | GROSS – B | - | GROSS – C |
|---|---|---|---|---|---|---|
| | = | 1302.512 | + | 8.825 | - | 138.589 |
| | = | 1172.748 | SQM | | | |

NON FAR AREA (ADDITION)

| GROSS – D | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| w | 1 | X | 1.375 | X | 0.150 | = | 0.206 | | SQM |
| x | 1 | X | 0.125 | X | 2.600 | = | 0.325 | | SQM |
| y | 1 | X | 5.750 | X | 3.150 | = | 18.113 | | SQM |
| z | 1 | X | 4.175 | X | 3.015 | = | 12.588 | | SQM |
| z1 | 1 | X | 0.125 | X | 2.600 | = | 0.325 | | SQM |
| q | 1 | X | 4.750 | X | 2.750 | = | 13.063 | | SQM |
| | | | | | TOTAL | = | 44.619 | | SQM |
| | | | NON FAR AREA(DEDUCTION) | | | | | | |
| GROSS – E | | | | | | | | | |
| x1 | 1 | X | 2.360 | X | 2.300 | = | 5.405 | | SQM |
| y2 | 1 | X | 2.360 | X | 0.440 | = | 1.034 | | SQM |
| y3 | 1 | X | 0.775 | X | 1.140 | = | 0.884 | | SQM |
| y4 | 1 | X | 1.900 | X | 0.400 | = | 0.760 | | SQM |
| y5 | 1 | X | 2.150 | X | 0.150 | = | 0.323 | | SQM |
| | | | | | TOTAL | = | 8.405 | | SQM |

| TOTAL NON FAR AREA OF PENT HOUSE | = | GROSS – D | - | GROSS – E |
|---|---|---|---|---|
| | = | 44.619 | - | 8.405 |
| | = | 36.214 | SQM | |
| TOTAL BUILTUP AREA OF PENT HOUSE | = | FAR AREA | + | NON FAR AREA |
| | = | 1172.748 | + | 36.214 |
| | = | 1208.962 | SQM | |

ADDITIONAL AREA

| GROSS – B | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| x1 | 3.14 | X | 133.100 | X | 133.152 | X | 6.82 | / | 360 | - | 3.5 | X | 133.152 | - | 0.220 | X | 15.365 | = | 2.113 | X | 1 | = | 2.113 | SQM |
| x2 | 3.14 | X | 133.100 | X | 133.152 | X | 6.82 | / | 360 | - | 3.5 | X | 133.152 | - | 0.220 | X | 15.365 | = | 2.180 | X | 1 | = | 2.180 | SQM |
| x3 | 3.14 | X | 133.345 | X | 133.345 | X | 6.81 | / | 360 | - | 3.5 | X | 133.345 | - | 0.220 | X | 15.365 | = | 2.285 | X | 1 | = | 2.285 | SQM |
| x4 | 3.14 | X | 133.345 | X | 133.345 | X | 6.81 | / | 360 | - | 3.5 | X | 133.345 | - | 0.220 | X | 15.365 | = | 2.285 | X | 1 | = | 2.285 | SQM |
| | | | | | | | | | | | | | | | | | | | | | TOTAL | = | 8.820 | SQM |

Note :-

1. BUILDING WILL BE DESIGNED (STRUCTURES) AS PER RELEVANT IS CODES FOR EARTH QUAKE RESISTANCE.

PROJECT

PROPOSED BUILDING PLANS OF
PHASE-VIII (PRIVANA-NORTH) FALLING UNDER RESIDENTIAL COLONY
UNDER NEW INTEGRATED LICENSING POLICY(NILP) DATED 11.05.2022 ON LAND MEASURING 116.29625 ACRES (LICENCE NO. 219 OF 2023.DATED 25-10-23.) (AN AREA MEASURING 103.05625 ACRES MIGRATION FROM LICENCE NO. 27 OF 2012 DATED 02.04.2012 AND 13.24 ACRES AS FRESH AS FRESH APPLIED AREA) IN SECTOR -76 & 77, GURUGRAM MANESAR URBAN COMPLEX BEING DEVELOPED BY DLF LTD.IN COLLABORATION WITH LAND OWNERS AND IT' S ASSOCIATE COMPANIES

DESIGN ARCHITECT

ARCHITECTS:-
DESIGN FORUM INTERNATIONAL

Address : K-47 , KAILASH COLONY , NEW DELHI -48
Phone : 011-46556600,46556601 , FAX - 46556601
Website: www.designforuminternational.com

ASSOCIATE ARCHITECTS

RSMS ARCHITECTS

RSMS ARCHITECTS PVT. LTD.
69,Nora Niwas Bhawani Kunj
(Behind D2), Vasant Kunj,
New Delhi-110070.
Tel.:011-26898616,26898617
www.rsms-arch.com

S.T.P.(HQ) Member Secretary BPAC
S.T.P.(G) Member BPAC
C.T.P.(HTR) Chairman BPAC
DTP(HQ)
ATP(HQ)
JD.
PA.
A.T.P.
DINESH KUMAR PA(HQ)

Checked and found ok for Public Health (Internal) Service only subject to comments in
In forwarding letter No. TS312 ..... Dt. 4/4/25
JD(T) MEMBER BPAC
Superintending Engineer (HQ) for Chief Engineer-I HSVP, Panchkula

SANCTIONED TO BE READ WITH OFFICE MEMO No. 14869 DATED 01/05/2025

ARCHITECT'S SEAL & SIGNATURE

MANISH KUMAR
CA/2008/42027

OWNER'S SEAL & SIGNATURE

DLF Limited
Authorised Signatory

FEB.-2025 | Scale : 1:100 | NORTH

Drawing Title:-
50TH PENTHOUSE FLOOR & MEZZANINE FLOOR OF AREA CALCULATION TOWER-B & D

Drawing No:-
TB-07

02-11042025