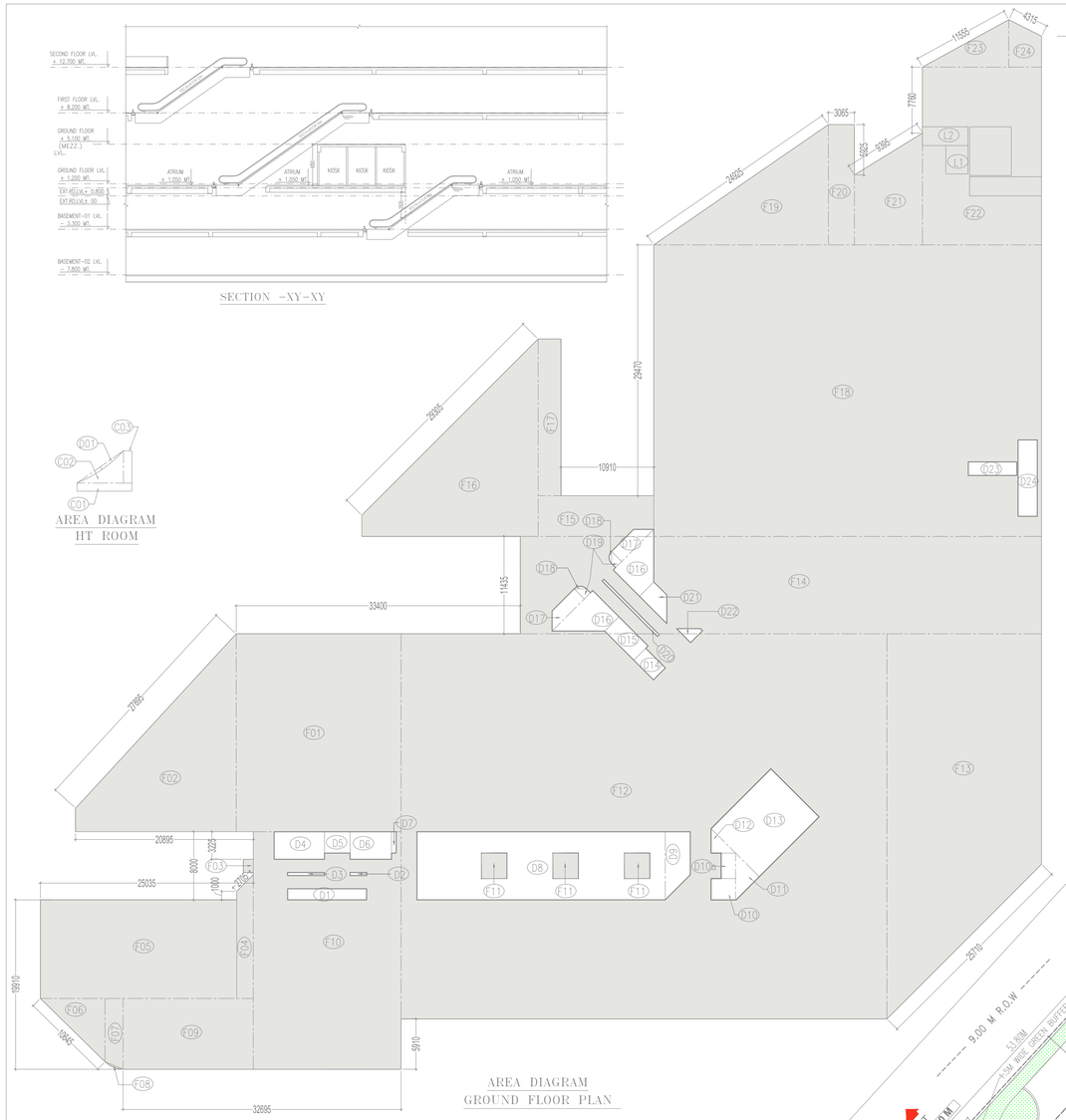
SECTION -XY-XY



AREA DIAGRAM
HT ROOM



AREA DIAGRAM
GROUND FLOOR PLAN

| GROUND FLOOR AREA CALCULATION | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| TOTAL COVERED AREA AT GROUND FLOOR (A) = ENVELOPE AREA (E) - DEDUCTION AREA (D) | | | | | | | | | |
| ENVELOPE AREA (E) | | | | | | | | | |
| S.No. | Length | | Breadth | | Nos | | Height | | Area (SQM) |
| F01 | 19.385 | X | 23.280 | X | 1 | | | = | 451.28 |
| F02 | 2.750 | + | 23.280 | X | 0.5 | X | 18.885 | = | 245.79 |
| F03 | 1.170 | X | 1.550 | X | 1 | | | = | 1.81 |
| F04 | 12.590 | + | 14.530 | X | 0.5 | X | 1.940 | = | 26.31 |
| F05 | 23.095 | X | 11.580 | X | 1 | | | = | 267.67 |
| F06 | 7.605 | X | 7.450 | X | 0.5 | | | = | 28.33 |
| F07 | 7.450 | + | 8.320 | X | 0.5 | X | 2.115 | = | 16.68 |
| F08 | 2.285 | X | 0.225 | X | 0.67 | | | = | 0.34 |
| F09 | 15.315 | X | 8.320 | X | 1 | | | = | 127.42 |
| F10 | 17.380 | X | 27.910 | X | 1 | | | = | 485.08 |
| F11 | 3.000 | X | 3.000 | X | 3 | | | = | 27.00 |
| F12 | 57.125 | X | 45.280 | X | 1 | | | = | 2586.62 |
| F13 | 45.280 | + | 27.095 | X | 0.5 | X | 18.175 | = | 657.71 |
| F14 | 61.285 | X | 11.435 | X | 1 | | | = | 700.79 |
| F15 | 13.605 | X | 4.790 | X | 1 | | | = | 65.17 |
| F16 | 2.485 | + | 23.205 | X | 0.5 | X | 20.720 | = | 266.15 |
| F17 | 2.695 | X | 18.420 | X | 1 | | | = | 49.64 |
| F18 | 45.590 | X | 34.260 | X | 1 | | | = | 1561.91 |
| F19 | 20.525 | X | 14.145 | X | 0.5 | | | = | 145.16 |
| F20 | 3.065 | X | 14.145 | X | 1 | | | = | 43.35 |
| F21 | 8.220 | + | 13.150 | X | 0.5 | X | 8.000 | = | 85.48 |
| F22 | 14.000 | X | 20.910 | X | 1 | | | = | 292.74 |
| F23 | 10.140 | X | 5.545 | X | 0.5 | | | = | 28.11 |
| F24 | 5.545 | + | 3.615 | X | 0.5 | X | 3.860 | = | 17.68 |
| | | | | | | | | | |
| TOTAL ENVELOPE AREA (E) | | | | | | | | | 8178.22 |

| NET GROUND COVERAGE = TOTAL COVERED AREA AT GROUND FLOOR (A) + HT ROOM AREA (C) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| HT ROOM AREA (C) = ADDITION (A1) - DEDUCTION (B1) | | | | | | | | | |
| ADDITION AREA (A1) | | | | | | | | | |
| C01 | 5.41 | X | 0.81 | X | 1.000 | | | = | 4.38 |
| C02 | 4.58 | X | 3.19 | X | 0.500 | | | = | 7.31 |
| C03 | 0.81 | X | 3.19 | X | 1.000 | | | = | 2.65 |
| TOTAL ADDITION AREA= (A1) | | | | | | | | | 14.34 |
| | | | | | | | | | |
| DEDUCTION AREA (B1) | | | | | | | | | |
| D01 | 5.585 | X | 0.32 | X | 0.670 | | | = | 1.20 |
| TOTAL DEDUCTION AREA = (B1) | | | | | | | | | 1.20 |
| TOTAL HT ROOM AREA (A1-B1) = C | | | | | | | | | 13.14 |
| TOTAL NON FAR AREA = ( B+C ) | | | | | | | | | 80.70 |
| NET GROUND COVERAGE (G= A + C) | | | | | | | | | 7657.88 |

| DEDUCTION AREA (D) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| D1 | 9.275 | X | 1.300 | X | 1 | | | = | 12.06 |
| D2 | 1.965 | X | 0.375 | X | 1 | | | = | 0.74 |
| D3 | 4.345 | X | 0.375 | X | 1 | | | = | 1.63 |
| D4 | 5.925 | X | 3.225 | X | 1 | | | = | 10.11 |
| D5 | 3.000 | X | 2.500 | X | 1 | | | = | 7.50 |
| D6 | 4.875 | X | 3.225 | X | 1 | | | = | 15.72 |
| D7 | 0.550 | X | 2.500 | X | 1 | | | = | 1.38 |
| D8 | 29.190 | X | 8.000 | X | 1 | | | = | 233.52 |
| D9 | 8.000 | + | 5.060 | X | 0.5 | X | 2.940 | = | 19.20 |
| D10 | 2.875 | X | 2.500 | X | 1 | | | = | 7.19 |
| D10a | 1.685 | X | 3.000 | X | 1 | | | = | 5.06 |
| D11 | 3.840 | X | 4.000 | X | 0.5 | | | = | 7.68 |
| D12 | 2.875 | X | 2.875 | X | 0.5 | | | = | 4.13 |
| D13 | 9.950 | X | 8.000 | X | 1 | | | = | 79.60 |
| D14 | 1.985 | X | 3.265 | X | 1 | | | = | 6.48 |
| D15 | 4.840 | X | 2.385 | X | 1 | | | = | 11.54 |
| D16 | 2.385 | + | 6.760 | X | 0.5 | X | 4.370 | = | 39.96 |
| D17 | 5.360 | + | 3.680 | X | 0.5 | X | 1.680 | = | 15.19 |
| D18 | 1.415 | X | 0.295 | X | 0.67 | | | = | 0.56 |
| D19 | 0.680 | + | 1.680 | X | 0.5 | X | 1.000 | = | 2.36 |
| D20 | 0.300 | X | 9.275 | X | 1 | | | = | 2.78 |
| D21 | 4.540 | + | 2.155 | X | 0.5 | X | 2.385 | = | 7.98 |
| D22 | 2.325 | + | 0.340 | X | 0.5 | X | 1.985 | = | 2.65 |
| D23 | 5.700 | X | 1.600 | X | 1 | | | = | 9.12 |
| D24 | 2.265 | X | 8.980 | X | 1 | | | = | 20.34 |
| TOTAL DEDUCTION AREA (D) | | | | | | | | | 533.48 |
| TOTAL COVERED AREA AT GROUND FLOOR (A) = (E-D) | | | | | | | | | 7644.74 |
| | | | | | | | | | |
| ( NON FAR AREA ) (B) | | | | | | | | | |
| L1 | 2.600 | X | 3.345 | X | 1 | | | = | 8.70 |
| L2 | 5.345 | X | 2.200 | X | 1 | | | = | 11.76 |
| L3 | 4.900 | X | 5.730 | X | 1 | | | = | 28.08 |
| L4 | 8.455 | X | 2.250 | X | 1 | | | = | 19.02 |
| NON FAR AREA = ( B ) | | | | | | | | | 67.56 |
| | | | | | | | | | |
| TOTAL FAR AREA AT GROUND FLOOR (F) = (A - B ) | | | | | | | | | 7577.18 |
| TOTAL CARPET AREA AT GROUND FLOOR | | | | | | | | | 4879.900 |

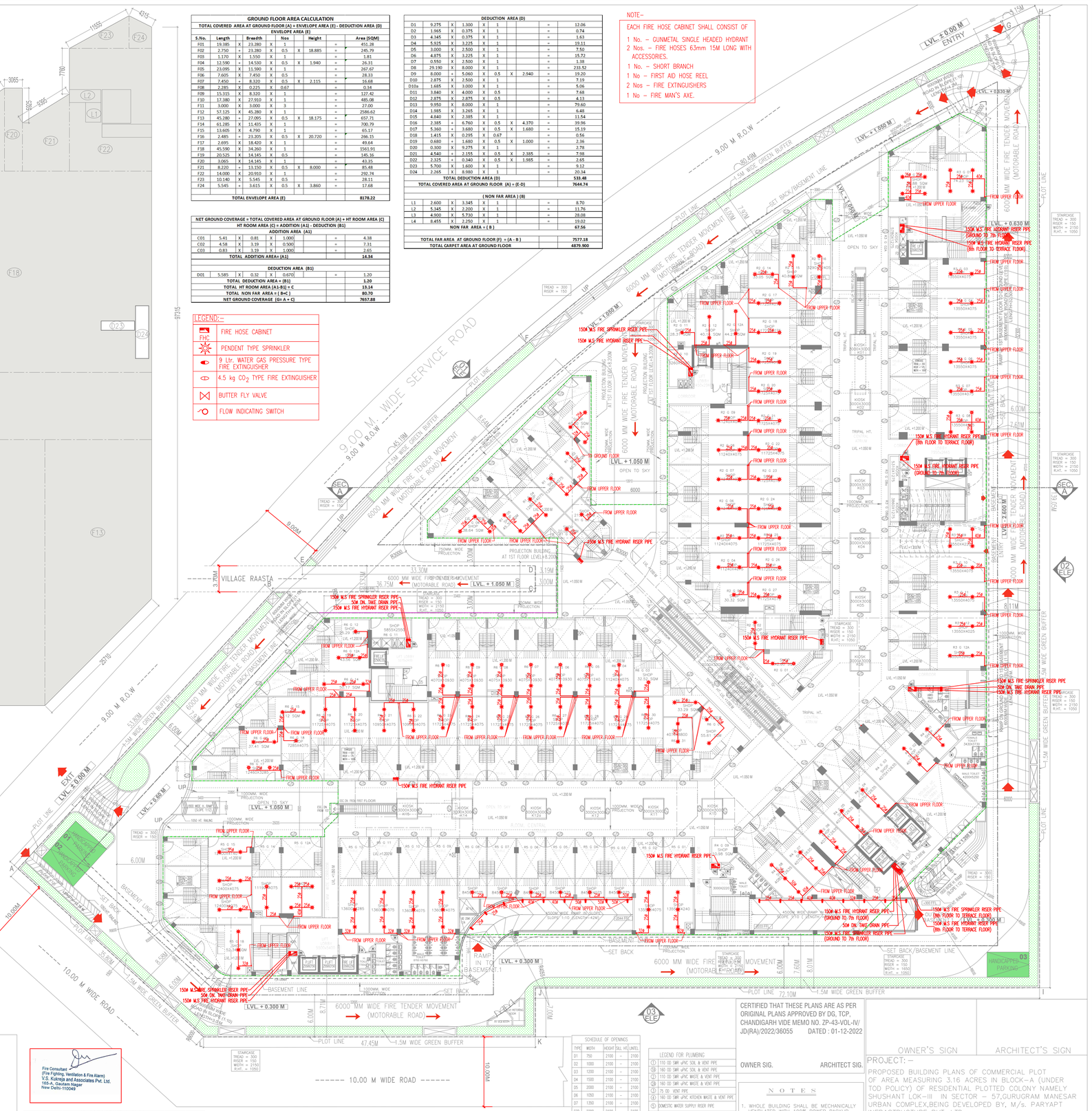
NOTE-

EACH FIRE HOSE CABINET SHALL CONSIST OF

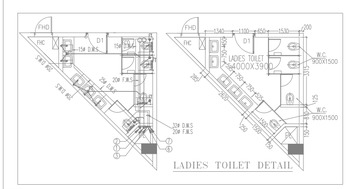
1 No. – GUNMETAL SINGLE HEADED HYDRANT
2 Nos. – FIRE HOSES 63mm 15M LONG WITH ACCESSORIES.
1 No. – SHORT BRANCH
1 No – FIRST AID HOSE REEL
2 Nos – FIRE EXTINGUISHERS
1 No – FIRE MAN'S AXE.

LEGEND:–

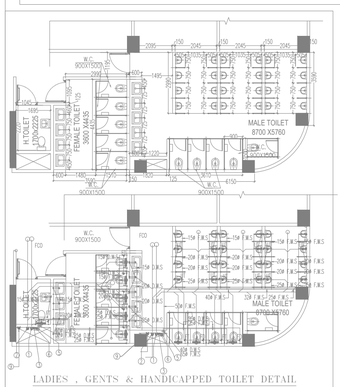
| | |
|---|---|
| FHC | FIRE HOSE CABINET |
| | PENDENT TYPE SPRINKLER |
| | 9 Ltr. WATER GAS PRESSURE TYPE FIRE EXTINGUISHER |
| | 4.5 kg $CO_2$ TYPE FIRE EXTINGUISHER |
| | BUTTER FLY VALVE |
| | FLOW INDICATING SWITCH |



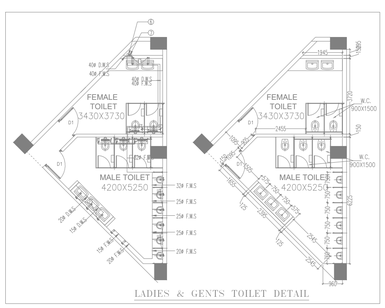

GROUND FLOOR PLAN
LVL. + 1.200 M



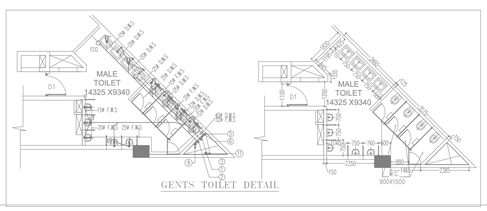
LADIES TOILET DETAIL



LADIES , GENTS & HANDICAPPED TOILET DETAIL



LADIES & GENTS TOILET DETAIL



GENTS TOILET DETAIL

Fire Consultant
(Fire Fighting, Ventilation & Fire Alarm)
V.S. Kulresh and Associates Pvt. Ltd.
165-A, Gautam Nagar
New Delhi-110049

| GROUND FLOOR TOILET CALCULATION | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TOTAL FAR AREA AT GROUND FLOOR | | | | | | | (A) | 7577.18 | | | |
| TOTAL NON FAR AREA AT GROUND FLOOR | | | | | | | (B) | 67.56 | | | |
| AREA OF GROUND FLOOR FOR TOILET CALCULATION | | | | | | | (A+B) | 7644.74 | | | |
| DENSITY AT GROUND FLOOR | | | | | | | 25 PERSON | 191 | 191 | PERSON | |
| NO. OF PERSONS | | | | | | | | 191 | 191 | | |
| NO. | NUMBER OF FIXTURES | | | | FIXTURES PER PERSON | | TOTAL REQUIRED | | TOTAL PROVIDED | | |
| | WALE (25) | | FEMALE (15) | | WALE (25) | FEMALE (15) | WALE | FEMALE | WALE | FEMALE | |
| PERCENTAGE | 40 % | | 40 % | | 40 % | 40 % | | | | | |
| WC | 4 | | 4 | | 0.2 | 0.2 | 4 | 4 | 4 | 4 | |
| URINAL | 4 | | 4 | | 0.2 | 0.2 | 4 | 4 | 4 | 4 | |
| WASH BASIN | 4 | | 4 | | 0.2 | 0.2 | 4 | 4 | 4 | 4 | |

| Exit Calculation For Ground Floor | | | | | |
|---|---|---|---|---|---|
| Total floor area | | | 7577.180 | | sqm |
| Floors | Average occupant load as per NBC | No. of occupant | As per NBC @ 10 m/ | Exit Required | Exit Provided |
| Mercantile Area | 7577.18 | 3 | 2525.73 | 10 | 2527.27 | 1.5 - 600C = 1500/ MM<br>1 X 1500 = 1500 MM<br>1 X 1125 = 1125 MM<br>= 2610 MM |

| SCHEDULE OF OPENINGS | | | | |
|---|---|---|---|---|
| TYPE | WIDTH | HEIGHT SILL HT. | | LINTEL |
| D1 | 750 | 2100 | + | 2100 |
| D2 | 1000 | 2100 | + | 2100 |
| D3 | 1200 | 2100 | + | 2100 |
| D4 | 1500 | 2100 | + | 2100 |
| D5 | 2000 | 2100 | + | 2100 |
| D6 | 1050 | 2100 | + | 2100 |
| D7 | 1350 | 2100 | + | 2100 |
| FD3 | 2200 | 2100 | + | 2100 |
| FD31 | 1650 | 2100 | + | 2100 |
| FD32 | 1250 | 2100 | + | 2100 |
| G/D | ALPLAN/TGSD | 2100 | + | 2100 |
| GL | ALSPLAN | 2100 | + | 2100 |
| V1 | 600 | 900 | 1200 | 2100 |
| W1 | 1050 | 1200 | 900 | 3370 |

LEGEND FOR PLUMBING

| | |
|---|---|
| 1 | 110 OD SWR uPVC SOIL & VENT PIPE |
| 2 | 160 OD SWR uPVC SOIL & VENT PIPE |
| 3 | 110 OD SWR uPVC WASTE & VENT PIPE |
| 4 | 160 OD SWR uPVC WASTE & VENT PIPE |
| 5 | 75 OD VENT PIPE |
| 6 | 160 OD SWR uPVC KITCHEN WASTE & VENT PIPE |
| 7 | DOMESTIC WATER SUPPLY RISER PIPE |
| 8 | FLUSHING WATER SUPPLY ON TAKE PIPE |
| 9 | DOMESTIC WATER SUPPLY ON TAKE PIPE |
| 10 | FLUSHING WATER SUPPLY RISER PIPE |
| 11 | 160 OD uPVC RAIN WATER PIPE |
| 12 | 110 OD uPVC BALCONY DRAIN PIPE |
| 13 | SOFT WATER SUPPLY RISER PIPE |
| 14 | 200 OD uPVC RAIN WATER PIPE |

NOTES

1. WHOLE BUILDING SHALL BE MECHANICALLY VENTILATED WITH 100% POWER BACKUP AND SPRINKLERS WITH ARTIFICIAL LIGHTING.
2. HANDICAP RAMP WITH RAILING
3. ALL PARTITION ARE IN 125/200MM THICK IN BLOCK WORK .

CERTIFIED THAT THESE PLANS ARE AS PER ORIGINAL PLANS APPROVED BY DG, TCP, CHANDIGARH VIDE MEMO NO. ZP-43-VOL-IV/ JD(RA)/2022/36055 DATED : 01-12-2022

OWNER SIG. ARCHITECT SIG.

OWNER'S SIGN ARCHITECT'S SIGN

PROJECT:–
PROPOSED BUILDING PLANS OF COMMERCIAL PLOT OF AREA MEASURING 3.16 ACRES IN BLOCK–A (UNDER TOD POLICY) OF RESIDENTIAL PLOTTED COLONY NAMELY SHUSHANT LOK–III IN SECTOR – 57,GURUGRAM MANESAR URBAN COMPLEX,BEING DEVELOPED BY, M/s. PARYAPT INFRASTRUCTURE PVT. LTD.

TITLE:– GROUND FLOOR PLAN
FIRE PARKING LAYOUT

DRG.NO.:– SB–FF–04

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DEALT
CHKD

SCALE:- 1:200 DATE:- 04/11/2022

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