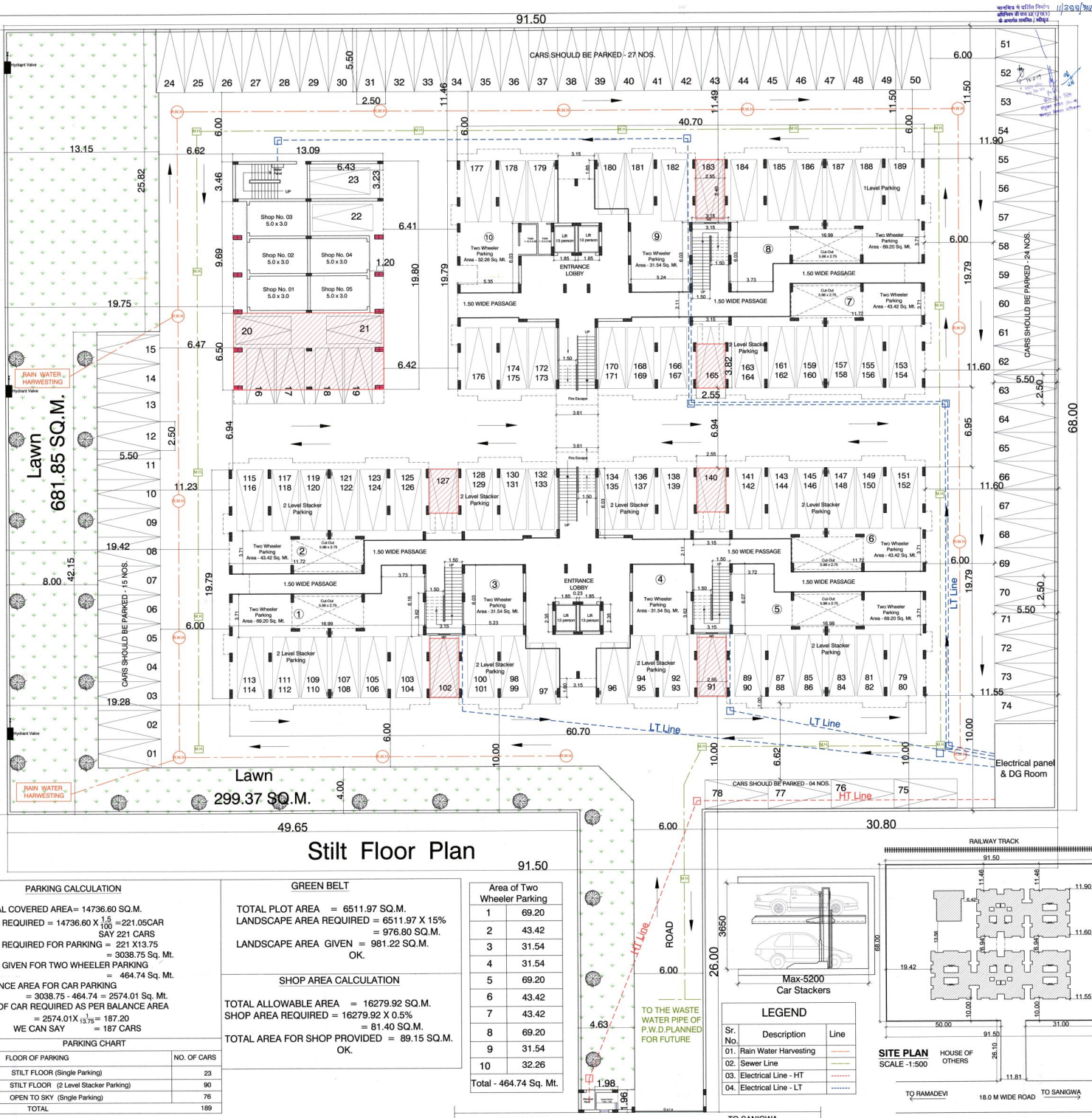


Stilt Floor Plan

PARKING CALCULATION

TOTAL COVERED AREA= 14736.60 SQ.M.
CARS REQUIRED = 14736.60 X $\frac{1.5}{100}$ =221.05CAR
SAY 221 CARS
AREA REQUIRED FOR PARKING = 221 X13.75
= 3038.75 Sq. Mt.
AREA GIVEN FOR TWO WHEELER PARKING
= 464.74 Sq. Mt.
BALANCE AREA FOR CAR PARKING
= 3038.75 - 464.74 = 2574.01 Sq. Mt.
Nos. OF CAR REQUIRED AS PER BALANCE AREA
= 2574.01X $\frac{1}{13.75}$= 187.20
WE CAN SAY = 187 CARS

PARKING CHART

SNO.	FLOOR OF PARKING	NO. OF CARS
1.	STILT FLOOR (Single Parking)	23
2.	STILT FLOOR (2 Level Stacker Parking)	90
3.	OPEN TO SKY (Sngle Parking)	76
	TOTAL	189

GREEN BELT

TOTAL PLOT AREA = 6511.97 SQ.M.
LANDSCAPE AREA REQUIRED = 6511.97 X 15%
= 976.80 SQ.M.
LANDSCAPE AREA GIVEN = 981.22 SQ.M.
OK.

SHOP AREA CALCULATION

TOTAL ALLOWABLE AREA = 16279.92 SQ.M.
SHOP AREA REQUIRED = 16279.92 X 0.5%
= 81.40 SQ.M.
TOTAL AREA FOR SHOP PROVIDED = 89.15 SQ.M.
OK.

Area of Two Wheeler Parking	
1	69.20
2	43.42
3	31.54
4	31.54
5	69.20
6	43.42
7	43.42
8	69.20
9	31.54
10	32.26
Total - 464.74 Sq. Mt.	

LEGEND

Sr. No.	Description	Line
01.	Rain Water Harvesting	
02.	Sewer Line	
03.	Electrical Line - HT	
04.	Electrical Line - LT	

CERTIFICATE

CERTIFIED THAT THERE IS NO ROAD OR PROPERTY MAINTAINED BY ANY GOVT. DEPT. BELONGING TO RAILWAY ADMINISTRATION WITHIN 30.0 M. FROM THE SITE IN QUESTION

SPECIFICATION

1.	LIME CONC. IN FOUNDATION	1:6:12
2.	BRICK WORK IN CM	1:6
3.	RCC IN BEAM & COLUMNS BEAM FOUNDATION	1:2:4
4.	PLASTER IN CM. IN	1:6

SCHEDULE OF DOORS & WINDOWS

S.N.	TYPE	SILL	SOFFIT	SIZE
1.	D1	——	2.4	1.2 X 2.4
2.	D2	——	2.1	0.9 X 2.1
3.	D3	——	2.1	0.8 X 2.1
4.	DW1	——	2.4	1.8 X 2.4
5.	DW2	——	2.4	1.5 X 2.4
6.	W1	0.9	2.4	2.4 X 1.5
7.	W2	0.9	2.4	1.7 X 1.5
8.	W3	0.9	2.4	0.8 X 1.5
9.	W4	1.4	2.4	0.6 X 1.0
10.	V1	1.8	2.4	0.6 X 0.6

AREA CHART

TOTAL AREA OF THE PLOT = 6,511.97 SQ. M.

S.NO.	DESCRIPTION OF COVD. AREA	EXISTING AREA (Sq. Mt.) Block - A	Block - B	TOTAL AREA (Sq. Mt.)	TOTAL AREA CONSIDERED FOR FAR CALCULATION (Sq. Mt.)	SANCTIONED AREA (Sq. Mt.) Block - A	Block - B	TOTAL AREA (Sq. Mt.)	TOTAL AREA CONSIDERED FOR FAR CALCULATION (Sq. Mt.)	DIFFERENCE (Sq. Mt.)
1.	STILT FLOOR (PARKING) GROUND FLOOR	1966.41	125.14 133.91	2225.46	133.91	1872.82	172.02	2069.84	172.02	180.62
2.	1st FLOOR	1707.68	259.05	1966.73	1966.73	1714.80	236.12	1950.92	1950.92	15.81
3.	2st FLOOR	1707.68	——	1707.68	1707.68	1714.80	——	1714.80	1714.80	-7.12
4.	3rd FLOOR	1707.68	——	1707.68	1707.68	1714.80	——	1714.80	1714.80	-7.12
5.	4th FLOOR	1707.68	——	1707.68	1707.68	1714.80	——	1714.80	1714.80	-7.12
6.	5th FLOOR	1707.68	——	1707.68	1707.68	1714.80	——	1714.80	1714.80	-7.12
7.	6th FLOOR	1707.68	——	1707.68	1707.68	1714.80	——	1714.80	1714.80	-7.12
8.	7th FLOOR	1707.68	——	1707.68	1707.68	1714.80	——	1714.80	1714.80	-7.12
9.	8th FLOOR	1707.68	——	1707.68	1707.68	1714.80	——	1714.80	1714.80	-7.12
10.	9th FLOOR	682.20	——	682.20	682.20	650.04	——	650.04	650.04	32.16
13.	MUMTY	99.56	23.04	122.60	——	66.21	——	66.21	——	56.39
14.	MACHINE ROOM	48.73	——	48.73	——	67.77	——	67.77	——	-19.04
15.	FIRE ESCAPE + BRIDGE	354.35	——	354.35	——	14.63	——	14.63	——	339.72
16.	GUARD ROOM	3.88	——	3.88	——	2.56	——	2.56	——	1.32
TOTAL AREA		**16,816.57**	**541.14**	**17,357.71**	**14,736.60**	**16,392.43**	**408.14**	**16,800.57**	**14,776.58**	**557.14**

EXTRA F.A.R. = 47.97 - (49.84+38.11) = -39.98 Sq. Mt.

Area

1. Total Area of the Plot = 6511.97 SQ.M.
2. Total Landscape Area(15%) = $\frac{15}{100}$x6511.97 SQ.M = 976.80 SQ.M.
3. F.A.R. = 2.5
4. Allowable Area = 2.5 x 6511.97SQ.M = 16279.93 SQ.M.
5. Area Covered by EWS & LIG = 1020.0 SQ.M.
60.0 SQ.M. / 10Unit = 60 X $\frac{168}{10}$= 1008.0 SQ.M.
6. Total Allowable Area = 16279.93+ 1008.0 = **17287.93 SQ.M.**
7. Area Achieved = **14,736.60 SQ.M.**
8. Density = 330 units / 10,000.0 SQ.M.
9. Allowable No. of Units = $\frac{330}{10,000}$ x6511.97
= 214.90 Units = Say 215 Units
10. Achieved Unit = 168 Units
11. No. of Units on each Floor (Each Block) = 20 Units

EXISTING/ COMPLETION RESIDENTIAL APARTMENT BUILDING PLAN ON PLOT NO. 381,382 VILLAGE-TATIYA JHANAKU DIST.- KANPUR NAGAR (UP)

OWNED BY :

RATAN HOUSING DEVELOPMENT LTD.
113/70, SWAROOP NAGAR KANPUR

OWNER'S SIGN :

DHANANJAY TIWARI
AUTHORISED SIGNATORY

ENGINEER'S SIGN/ ARCHITECT'S SIGN

Dr. Santosh Kumar, M.D. BE, FIE, FIAStruct, MSEC, FACCE (I) Ph.D., M.Tech(Str. & Tech.(TD-70) We Are Consulting Engineers & Architects (P) Ltd. 1010 (B), Devroop Nagar, Kanpur-208022
ARCHITECT
PAVAN K. SAWLANI
(CPT) No. CA/99/25005

PAVAN & ASSOCIATES
HIG 21, Mukharji Vihar Indira Nagar Kanpur 208024
Phone No. 08090823823

Scale - 1:100

DRW. No. - 1/6

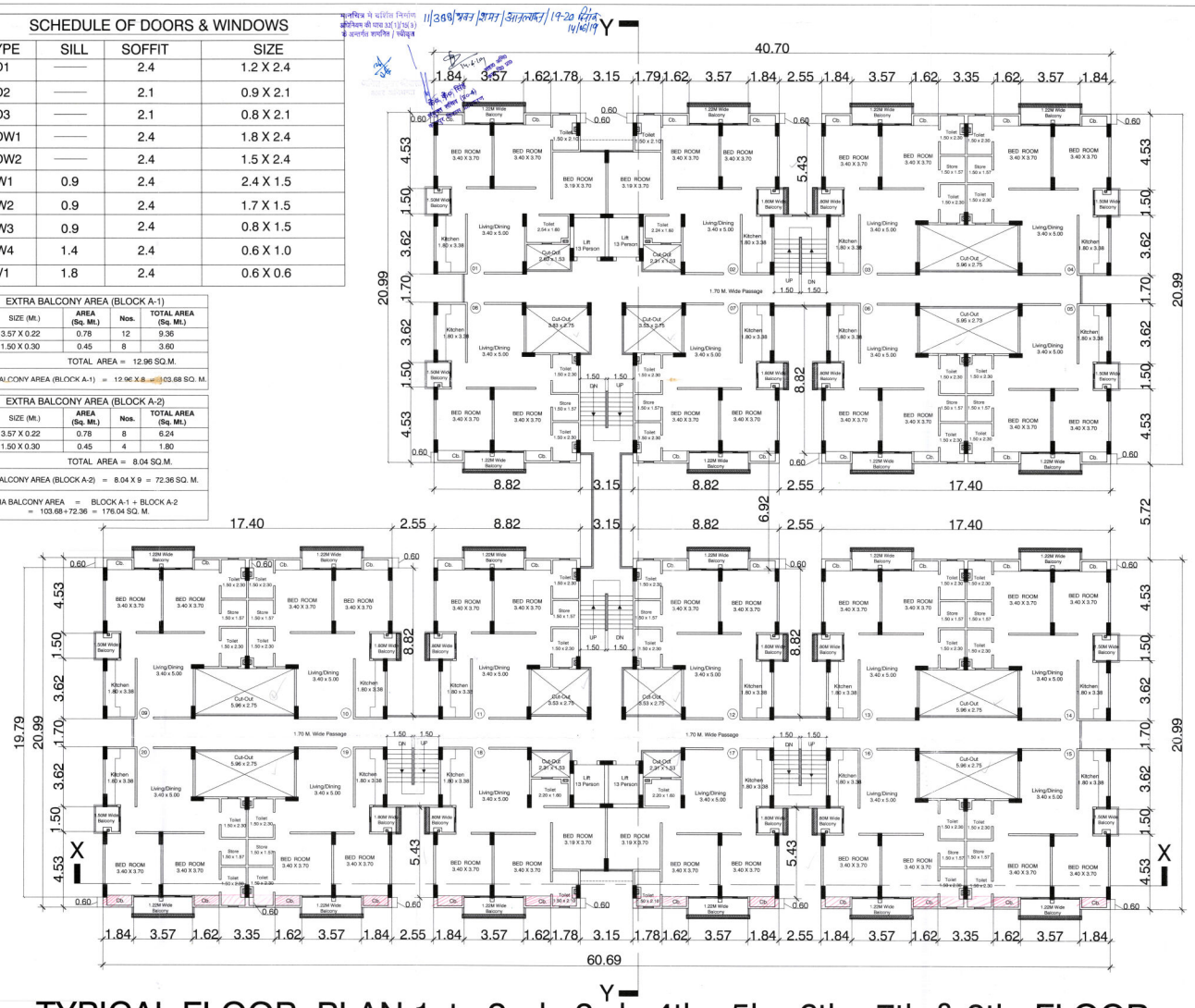
N North

SCHEDULE OF DOORS & WINDOWS				
S.N.	TYPE	SILL	SOFFIT	SIZE
1.	D1	——	2.4	1.2 X 2.4
2.	D2	——	2.1	0.9 X 2.1
3.	D3	——	2.1	0.8 X 2.1
4.	DW1	——	2.4	1.8 X 2.4
5.	DW2	——	2.4	1.5 X 2.4
6.	W1	0.9	2.4	2.4 X 1.5
7.	W2	0.9	2.4	1.7 X 1.5
8.	W3	0.9	2.4	0.8 X 1.5
9.	W4	1.4	2.4	0.6 X 1.0
10.	V1	1.8	2.4	0.6 X 0.6

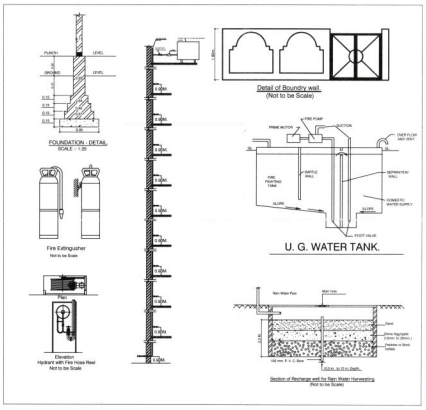
EXTRA BALCONY AREA (BLOCK A-1)					
S. NO.	NAME	SIZE (Mt.)	AREA (Sq. Mt.)	Nos.	TOTAL AREA (Sq. Mt.)
1.	A	3.57 X 0.22	0.78	12	9.36
2.	B	1.50 X 0.30	0.45	8	3.60
TOTAL AREA = 12.96 SQ.M.					
TOTAL EXTRA BALCONY AREA (BLOCK A-1) = 12.96 X 8 = 103.68 SQ. M.					

EXTRA BALCONY AREA (BLOCK A-2)					
S. NO.	NAME	SIZE (Mt.)	AREA (Sq. Mt.)	Nos.	TOTAL AREA (Sq. Mt.)
1.	A	3.57 X 0.22	0.78	8	6.24
2.	B	1.50 X 0.30	0.45	4	1.80
TOTAL AREA = 8.04 SQ.M.					
TOTAL EXTRA BALCONY AREA (BLOCK A-2) = 8.04 X 9 = 72.36 SQ. M.					

TOTAL EXTRA BALCONY AREA = BLOCK A-1 + BLOCK A-2
= 103.68+72.36 = 176.04 SQ. M.



TYPICAL FLOOR PLAN 1st., 2nd., 3rd., 4th., 5h., 6th., 7th.& 8th. FLOOR



FIRE FIGHTING INSTALLATION

FIRE FIGHTING REQUIREMENT AND INSTALLATIONS :

1. Classification of Building Based on Occupancy : GROUP A - RESIDENTIAL
   Sub Division A-4 Apartment houses (Flats)
2. Type of Building : Above 15m but not exceeding 35m in Height Occupancy
3. Fire Extinguisher : Provisions for certain fire extinguishers are done on each floor of the building
4. Hose Reel : Provisions for Hose reel are done on each floor of the building
5. Down Comer : Provisions for Down Comer are done.
6. Fire Alarm Systems : Manually operated electrical fire alarm system is to be installed in building with one call boxe located at each floor.
7. Terrace tank : Terrace water tank of 30,000.0 liters is given for Fire Fighting . Terrace Water Tank of 1,05,000.0 liters is given for Domestic.
8. Terrace Pump : Terrace pump 900 LPM is given.

EXISTING/ COMPLETION RESIDENTIAL APARTMENT BUILDING PLAN ON PLOT NO. 381,382 VILLAGE-TATIYA JHANAKU DIST. - KANPUR NAGAR (UP)

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KANPUR

OWNER'S SIGN :

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Dr. Santosh Kumar, M.D., DIH, FIE, FIAOmed, MISC, FACCE (I), Ph.D., M.Tech(Env), B.Tech(ECE)-NIT
Hon. Vice Chancellor, Engineers & Architects (P) Ltd.
7/243 (A), Swaroop Nagar, Kanpur-208002

ARCHITECT
PAVAN K. SAWLANI
REG No.CA/99/25005

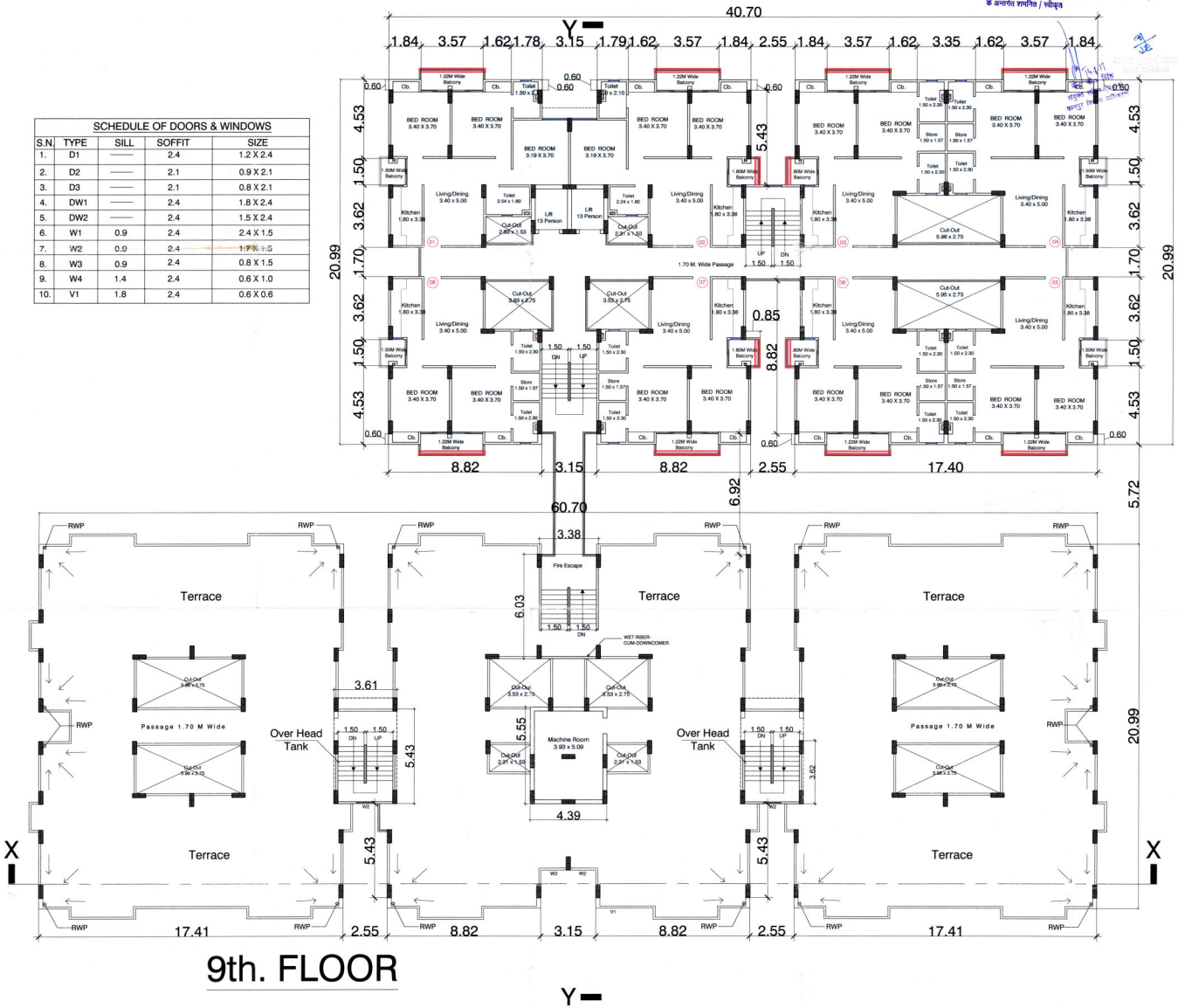
PAVAN & ASSOCIATES
HIG 21, Mukharji Vihar Indira Nagar Kanpur 208024
Phone No. 08090823823

Scale - 1:100

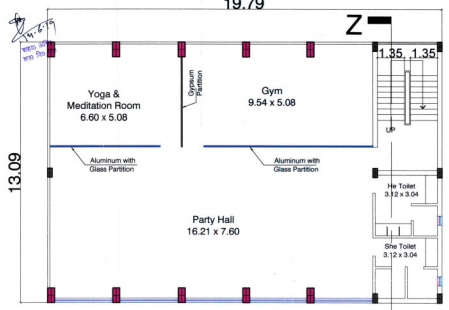
DRW. No. - 2/6

N North

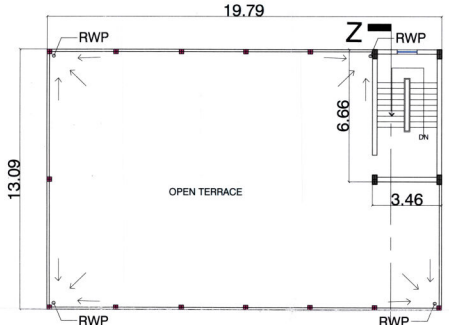
SCHEDULE OF DOORS & WINDOWS				
S.N.	TYPE	SILL	SOFFIT	SIZE
1.	D1	——	2.4	1.2 X 2.4
2.	D2	——	2.1	0.9 X 2.1
3.	D3	——	2.1	0.8 X 2.1
4.	DW1	——	2.4	1.8 X 2.4
5.	DW2	——	2.4	1.5 X 2.4
6.	W1	0.9	2.4	2.4 X 1.5
7.	W2	0.9	2.4	1.7 X 1.5
8.	W3	0.9	2.4	0.8 X 1.5
9.	W4	1.4	2.4	0.6 X 1.0
10.	V1	1.8	2.4	0.6 X 0.6



9th. FLOOR



Community Hall (1st Floor)



Community Hall (Terrace Floor)

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PAVAN & ASSOCIATES
HIG 21, Mukharji Vihar Indira Nagar Kanpur 208024
Phone No. 08090823823

Scale - 1:100

DRW. No. - 3/6

N North

Note - All Rain Water Pipe (RWP) Should be Given For Under Ground Rain Water Harvesting