NO OF CAR PARKING PROVIDED IN 1ST BASEMENT - 371 NO'S
STACK PARKING PROPOSED =371X2 = 742 NOS
NO OF CAR BAYS PROPOSED (B1+B2)= 371+378 = 749
NO OF CARS(STACK PARKING) IN B1+ B2 = 742+756
= 1498 NO.S

LOBBY
7 KARAM WIDE REVENUE RASTA
6.0 MT WIDE ZONING LINE

03 STAIRCASE AND LIFT DETAIL -ST-01

04 STAIRCASE AND LIFT DETAIL -ST-02

05 STAIRCASE AND LIFT DETAIL -ST-03

BASEMENT-1 AREA						
S.NO.	WIDTH (mm)		HEIGHT (mm)	NO.s	FORMULA	AREA (SQ M)
1	46245	X	52160	1	DX1	2516.459
2	45090	X	94715	1	DX0	4270.699
3	146305	X	95215	1	DX0	13930.431
4	1835	X	2435	1	(DX0)/2	2.234
5	1835	X	92775	1	DX0	170.242
TOTAL (X1)						20890.065

DEDUCTION AREA DETAIL BASEMENT-1						
S.NO.	WIDTH (mm)		HEIGHT (mm)	NO.s	FORMULA	AREA (SQ M)
C1	4550	X	6500	1	DX0	29.575
C2	37500	X	10770	1	DX0	403.875
C3	4850	X	6500	1	DX0	31.525
C4	4200	X	4850	4	DX0	81.480
C4A	1400	X	650	4	DX0	3.640
C5	11850	X	7500	1	DX0	88.875
C6	4850	X	4055	11	DX0	216.334
C7	11740	X	4135	6	DX0	291.269
C8	10750	X	5135	3	DX0	165.604
C9	5145	X	6250	3	DX0	96.469
C10	19475	X	7660	1	DX0	149.179
C11	16970	X	14370	1	DX0	243.859
C11A	2730	X	4830	1	DX0	13.186
C12	20270	X	9955	1	DX0	201.788
C13	AS PER SIZE			1	DX0	93.128
C14	7660	X	900	1	DX0	6.894
C15	4850	X	3955	1	DX0	19.182
C16	9900	X	10340	1	DX0	102.366
C17	8835	X	2435	1	DX0	21.513
C18	10670	X	15505	1	DX0	165.438
C19	1835	X	2435	1	(DX0)/2	2.234
C20	2950	X	5700	1	DX0	8.408
TOTAL (X3)						2435.820

TOTAL AREA FOR ECS BASEMENT-1	
BASEMENT 1 AREA (X1)	20890.065
DEDUCTION AREA BASEMENT -1 (X3)	2435.820
TOTAL BASEMENT AREA FOR ECS (E1) IS (X1 -X3)	18454.245
E/20	922.712

BASEMENT -01		
AREA	NO OF PARKING BAYS	STACK PARKING
RESIDENTIAL	310	620
COMMERCIAL	45	90
RESERVED FOR EWS (5%)	16	32
	371	742

PARKING REQUIRED FOR RESIDENTIAL				
TYPE OF UNIT	CARPET AREA	NO. OF FLATS	ECS REQD/UNIT	TOTAL ECS REQD
DWELLING UNIT TYPE- 3A (TOWER-1,4 ,5& 6)	139.994	124	1.5	186
DWELLING UNIT TYPE- 3B (TOWER-1,4 ,5& 6)	139.994	124	1.5	186
DWELLING UNIT TYPE- 4A (TOWER-2 &3)	189.875	152	1.5	228
DWELLING UNIT TYPE- 5A (TOWER-1,4 & 5)	290.385	3	1.5	4.5
DWELLING UNIT TYPE- 5B(TOWER-1,4 & 5)	284.763	3	1.5	4.5
DWELLING UNIT TYPE- 6A (TOWER-2 &3)	347.940	4	1.5	6
TOTAL PARKING REQUIRED FOR RESIDENTIAL		410	=	615

PARKING REQUIRED FOR COMMERCIAL				
PERMISSIBLE FAR OF COMMERCIAL	=	4473.982	SQM	
REQUIRED 1 ECS @ 50 SQM OF CARPET AREA OF SHOPS	=	89.480	ECS	
SAY PROVIDED AT BASEMENT -1	=	90	ECS	
TOTAL PARKING REQUIRED FOR RESIDENTIAL & COMMERCIAL	=	615	+	90
	=	705		ECS
	say	705		ECS
RESERVED PARKING FOR EWS @ 5 % OF RESIDENTIAL PARKING AT BASEMENT -1	=	30.75		
	say	31		ECS
AREA REQUIRED FOR PARKING @BASEMENT (=ECS%20/2 SQ Mtr. For stack parking)	=	7050		SQ MTRS.
AREA PROPOSED FOR PARKING @BASEMENT-1	=	18454.245		SQ MTRS.
AREA PROPOSED FOR PARKING @BASEMENT-2	=	18454.245		SQ MTRS.
TOTAL AREA PROPOSED FOR PARKING (B1+B2)	=	36908.490		SQ MTRS.
AREA FOR 1 ECS @20 SQ Mtr.(=AREA/20 SQ Mtr. For stack parking)	=	1845.425		ECS
AREA PROPOSED FOR PARKING (B1+B2)	Say	1846		ECS

DESCRIPTION	PROPOSED AREA	PROPOSED ECS	NO. OF PARKING	STACK PARKING
BASEMENT-01	18454.245	922.712	371	742
BASEMENT -02	18454.245	922.712	378	756
TOTAL PARKING	36908.490	1845.425	749	1498

STACK CAR PARKING FOR RESIDENTIAL

STACK CAR PARKING RESERVED FOR EWS

STACK CAR PARKING FOR COMMERCIAL

FIRE LEGEND:

SYMBOL	DESCRIPTION
A	150Ø M.S. LOW PRESSURE FIRE WET RISER PIPE FOR GROUND TO 11TH. FLOOR
A1	150Ø M.S. HIGH PRESSURE FIRE WET RISER PIPE FOR 12TH TO 23RD LEVEL
A2	150Ø M.S. HIGH PRESSURE FIRE WET RISER PIPE FOR 24TH TO 35TH LEVEL
A3	150Ø M.S. FIRE DOWN COMER PIPE FOR TERRACE TO 36TH. FLOOR
B	150Ø M.S. LOW PRESSURE SPRINKLER RISER PIPE FOR GROUND TO 11TH. FLOOR
B1	150Ø M.S. HIGH PRESSURE SPRINKLER RISER PIPE FOR 12TH TO 23RD LEVEL
B2	150Ø M.S. HIGH PRESSURE SPRINKLER RISER PIPE FOR 24TH TO 35TH LEVEL
B3	150Ø M.S. SPRINKLER DOWN COMER PIPE FOR TERRACE TO 36TH. FLOOR

TYPICAL MULTI CAR PARKING SECTION

SPRINKLER	DIA
1,2	25Ø
3,	32Ø
4,5,	40Ø
5,10,	50Ø
11,18,	65Ø
19,40,	80Ø
41,100,	100Ø
100, ABOVE,	150Ø

IMPORTANT NOTES:-
DISTANCE BETWEEN FHC TO FHC
C / C = 45.0m
FHC IN BASEMENT-01 =40
FHC IN BASEMENT-02 =40

HIGHLIGHTED ZONE BIGGEST ZONE
FOR WATER CURTAIN CALCULATION)
WATER CURTAIN NOZZLE=73.0 NOS
WATER CURTAIN PUMP=5500 LPM
TOTAL WATER CURTAIN LENGTH=141 M

3800X1000 CUTOUT FOR FRESH AIR (TYP)
3800X1000 CUTOUT FOR EXHAUST AIR (TYP)

ZONE -01
TOTAL AREA = 2319 SQMT
TOWER AREA = 618 SQMT
NON TOWER AREA = 1701 SQMT

ZONE -02
TOTAL AREA = 2152 SQMT
TOWER AREA = 373 SQMT
NON TOWER AREA = 1779 SQMT

ZONE -03
TOTAL AREA = 2394 SQMT

ZONE -04
TOTAL AREA = 2054 SQMT

ZONE -05
TOTAL AREA = 2226 SQMT
TOWER AREA = 376 SQMT
NON TOWER AREA = 1850 SQMT

ZONE -06
TOTAL AREA = 2624 SQMT
TOWER AREA = 409 SQMT
NON TOWER AREA = 2215 SQMT

ZONE -07
TOTAL AREA = 2228 SQMT
TOWER AREA = 542 SQMT
NON TOWER AREA = 1686 SQMT

ZONE -08
TOTAL AREA = 2501 SQMT
TOWER AREA = 621 SQMT
NON TOWER AREA = 1880 SQMT

RIGHT SPRINKLER
EXTERNAL FIRE HYDRANT PIPE
UP RIGHT SPRINKLER
SPRINKLER BRANCH PIPE
SPRINKLER BRANCH PIPE UP RIGHT SPRINKLER
Side Wall Sprinkler
Side Wall Sprinkler
Side Wall Sprinkler
Side Wall Sprinkler
Side Wall Sprinkler
Side Wall Sprinkler

1500 M.S. SPRINKLER DOWN COMER PIPE FOR TERRACE TO 36TH. FLOOR
1500 M.S. FIRE DOWN COMER PIPE FOR TERRACE TO 36TH. FLOOR
1500 M.S. LOW PRESSURE SPRINKLER RISER PIPE FOR GROUND TO 11TH. FLOOR
1500 M.S. HIGH PRESSURE SPRINKLER RISER PIPE FOR 12TH TO 23RD LEVEL
1500 M.S. HIGH PRESSURE SPRINKLER RISER PIPE FOR 24TH TO 36TH LEVEL
1500 M.S. LOW PRESSURE FIRE WET RISER PIPE FOR GROUND TO 11TH. FLOOR
1500 M.S. HIGH PRESSURE FIRE WET RISER PIPE FOR 12TH TO 23RD LEVEL
1500 M.S. HIGH PRESSURE FIRE WET RISER PIPE FOR 24TH TO 36TH LEVEL
1500 M.S. SPRINKLER ALTERNATE RISER PIPE FOR GROUND TO 11TH LEVEL
1500 M.S. SPRINKLER ALTERNATE RISER PIPE ALTERNATE PIPE FOR 12TH TO 23RD LEVEL
1500 M.S. SPRINKLER ALTERNATE RISER PIPE ALTERNATE PIPE FOR 24TH TO 36TH LEVEL
1500 M.S. SPRINKLER ALTERNATE RISER PIPE ALTERNATE PIPE FOR 36TH TO TERRACE
CUTOUT AS/PLAN
BALL VALVE
800 DRAIN PIPE
FIRST AID FIRE HOSE REEL
AS/PLAN
900
PLAN
DETAIL OF FIRE HOSE CABINET (F.H.C.)

IMPORTANT NOTES:-
1):- DISTANCE BETWEEN FHC TO FHC C / C = 45.0m
2):- DISTANCE BETWEEN YARD HYDRANT C / C = 45.0m
3):- DISTANCE BETWEEN SPR TO SPR C / C = 2.9 m
4):- DISTANCE BETWEEN SMOKE DETECTOR C / C = 7.5 m
5):- DISTANCE BETWEEN MULTI CRITERIA DETECTOR C / C = 6.0 m

24.0 M WIDE CONSTRUCTED ROAD

FIRST AID FIRE HOSE REEL
PRESSURE GAUGE
M.S FIRE RISER PIPE
SINGLE HEADED HYDRANT VALVE
BRANCH PIPE HOLDER
BRANCH PIPE
FIRE MANLS AXE
FIRE MANLS AXE HOLDER
FIRE EXTINGUISHER CO2 TYPE CAPACITY - 4.5kg
63Ø RRL HOSE 15.0 M LONG WITH COUPLING (2 NOS.)
FIRE EXTINGUISHER ABC TYPE CAPACITY - 6.0kg
ELEVATION
AS/PLAN
900
GLASS
METAL
MS ANGLE DOOR FRAME
HANDLE
FRONT VIEW

SPRINKLER LINE FROM MAIN DELIVERY HEADER TO ICV
BUTTER FLY VALVE
BUTTER FLY VALVE
GROUND FLOOR LVL
LOW ZONE SPRINKLER PIPE COMING FROM BASEMENT-01
CUTOUT SIZE AS/PLAN
ICV INSTALLATION DETAIL-"A"

NOTE :- ICV FOR TOWER

S.NO.	DESCRIPTION
ICV-01	INSTALLATION CONTROL VALVE FOR LOW ZONE FOR TOWER-1
ICV-02	INSTALLATION CONTROL VALVE FOR MID ZONE FOR TOWER-1
ICV-03	INSTALLATION CONTROL VALVE FOR HIGH ZONE FOR TOWER-1
ICV-04	INSTALLATION CONTROL VALVE FOR LOW ZONE FOR TOWER-2
ICV-05	INSTALLATION CONTROL VALVE FOR MID ZONE FOR TOWER-2
ICV-06	INSTALLATION CONTROL VALVE FOR HIGH ZONE FOR TOWER-2
ICV-07	INSTALLATION CONTROL VALVE FOR LOW ZONE FOR TOWER-3
ICV-08	INSTALLATION CONTROL VALVE FOR MID ZONE FOR TOWER-3
ICV-09	INSTALLATION CONTROL VALVE FOR HIGH ZONE FOR TOWER-3
ICV-10	INSTALLATION CONTROL VALVE FOR LOW ZONE FOR TOWER-4
ICV-11	INSTALLATION CONTROL VALVE FOR MID ZONE FOR TOWER-4
ICV-12	INSTALLATION CONTROL VALVE FOR HIGH ZONE FOR TOWER-4
ICV-13	INSTALLATION CONTROL VALVE FOR LOW ZONE FOR TOWER-5
ICV-14	INSTALLATION CONTROL VALVE FOR MID ZONE FOR TOWER-5
ICV-15	INSTALLATION CONTROL VALVE FOR HIGH ZONE FOR TOWER-5
ICV-16	INSTALLATION CONTROL VALVE FOR LOW ZONE FOR TOWER-6
ICV-17	INSTALLATION CONTROL VALVE FOR HIGH ZONE FOR TOWER-6

NOTE :- ICVS TABLE FOR BASEMENT 1,2

S.NO.	DESCRIPTION
ICV-18	INSTALLATION CONTROL VALVE FOR ZONE-01 IN TOWER 5
ICV-19	INSTALLATION CONTROL VALVE FOR ZONE-02 IN TOWER 5
ICV-20	INSTALLATION CONTROL VALVE FOR ZONE-03 IN TOWER 5
ICV-21	INSTALLATION CONTROL VALVE FOR ZONE-04 IN TOWER 6
ICV-22	INSTALLATION CONTROL VALVE FOR ZONE-05 IN TOWER 6
ICV-23	INSTALLATION CONTROL VALVE FOR ZONE-06 IN TOWER 4
ICV-24	INSTALLATION CONTROL VALVE FOR ZONE-07 IN TOWER 3
ICV-25	INSTALLATION CONTROL VALVE FOR ZONE-08 IN TOWER 2

DOOR/WINDOW SCHEDULE

S. No.	TYPE	WIDTH (MM)	SILL (MM)	HEIGHT (MM)	HEIGHT (MM)	REMARK
1	D1	1500	±0.0	+2400	2400	1 HR FIRE RATED
2	D2	1200	±0.0	+2400	2400	2 HR FIRE RATED
3	D3	1200	±0.0	+2400	2400	
4	D4	900	±0.0	+2400	2400	
5	D5	750	±0.0	+2400	2400	
6	PD	900	±0.0	+2400	2400	2 HR FIRE RATED
7	PD2	550	±0.0	+2100	2100	2 HR FIRE RATED
8	FD1	1200	±0.0	+2100	2100	2 HR FIRE RATED
9	W1	1100	+900	+2400	1500	
10	W2	800	+900	+2400	1500	
11	W3	1500		AS ELEVATION		
12				AS ELEVATION		

NOTE :- LEVEL OF 13th / SERVICES FLOOR WILL BE 2400mm
D2,D3 IS 1HR FIRE RATED & FD1,D1 & PD2 ARE 2 HR. FIRE RATED

PROJECT TITLE

REVISED BUILDING PLANS FOR MIXED LAND USE COLONY (95% RESIDENTIAL COMPONENT & 5% COMMERCIAL COMPONENT) UNDER TRANSIT ORIENTED DEVELOPMENT POLICY (TOD)FOR THE AREA MEASURING 8.34375 ACRES (LICENSE NO. 127 OF 2023 DATED 16/06/2023) IN SECTOR-84, GURUGRAM MANESAR URBAN COMPLEX BEING DEVELOPED BY GANGA GLOBAL HOMES PVT.LTD.

LC - 4946

OWNERS' SIGNATURE

Ganga Global Homes Pvt. Ltd.

ARCHITECTS' SIGNATURE

Avanika Vashisth
CA/2018/91670

DRAWING TITLE

BASEMENT-1 PLAN WITH AREA DIAGRAM
FIRE LAYOUT

ARCHITECT

GANGA REALTY - DESIGN TEAM

GANGA REALTY
Vatika Tower, Golf Course Road
Gurugram, Haryana

NORTH

DATE	JULY , 2025
SCALE	NTS
DEALT	SV
CHECKED	DA

S-104a

01 BASEMENT -1 PLAN (LVL -4350 MM)

FIRST BASEMENT PLAN