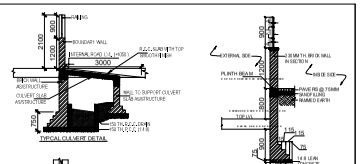
REQUIRED PARKING FOR RESIDENTIAL (A) = 1ECS PER 80 SQM OF PER. F.A.R AREA
= 38946.05 / 80 = 486.826 (SAY) = 487 ECS PARKING

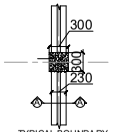
REQUIRED PARKING FOR COMMERCIAL (B) = 1ECS PER 50 SQM OF PER. F.A.R AREA
= 374.481 / 50 = 7.490 (SAY) = 7 ECS PARKING

TOTAL REQUIRED PARKING (A + B) = 494 ECS PARKING

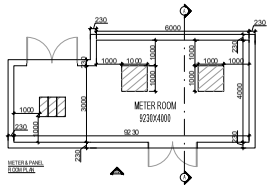
PROPOSED PARKING :-

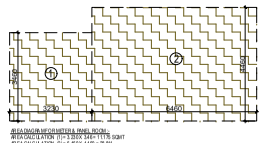
PROPOSED AREA FOR SURFACE PARKING PROPOSED PARKING AT SURFACE	= 14 X 20 = 280.00 SQMT. = 14 ECS ----------(1)
PROPOSED NON-TOWER AREA FOR STILT PARKING PROPOSED PARKING AT STILT (NON-TOWER)	= 2404.160 /30 = 80.139 (SAY 80 CARS) = 80 ECS ----------(2)
PROPOSED STILT (TOWER -A1+B1+A2) AREA FOR PARKING PROPOSED PARKING AT STILT (TOWER -A1+B1+A2)	= 1411.623 /30 = 47.054 (SAY 47 CARS) = 47 ECS ----------(3)
PROPOSED MANUAL CAR PARKING IN BASEMENT	= 263 ECS ---(4)
PROPOSED MECHANICAL CAR PARKING IN BASEMENT	= 92 ECS ---(5)
TOTAL PARKING PROPOSED	= (1) + (2) +(3) + (4) +(5) = 14 + 80 + 47 + 263 + 92 = 496 ECS

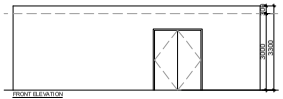


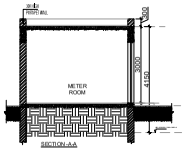


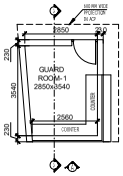
TYPICAL BOUNDARY WALL PLAN

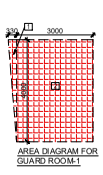


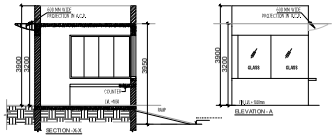






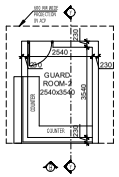


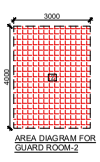




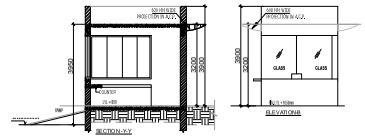
TREE SCHEDULE				
SYMBOL	BOTANICAL NAME	COMMON NAME	QUANTITIES	DESCRIPTION
	BAUHINIA VARIEGATA	KACHNAR	38	DECIDUOUS TREE
	PHOENIX PERNUVIANA	KANER	38	EVERGREEN TREE
	TOTAL TREE		112	

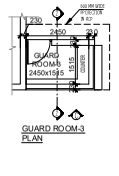
NOTE - 13TH FLOOR IS OMITTED AND MARKED AS 12TH (A) FLOOR

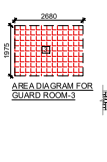


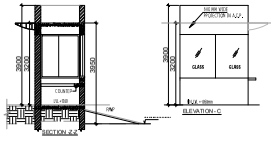


AREA DIAGRAM FOR GUARD ROOM -1, 2 & 3 :-
1 = 0.5 X .330 X 4.000 = 0.660 SQMT
2 = 2 X 3.000 X 4.000 = 24.000 SQMT
3 = 2.68 X 1.975 = 5.293 SQMT
TOTAL 15 % FAR AREA (1+2+3) = 29.953 SQMT.









PROJECT : NIRALA TRIO AT SECTOR- 02, GREATER NOIDA

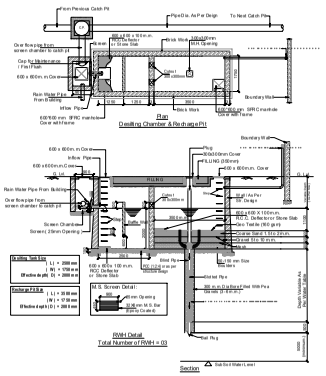
RAIN WATER HARVESTING CALCULATION(For Roof Top)

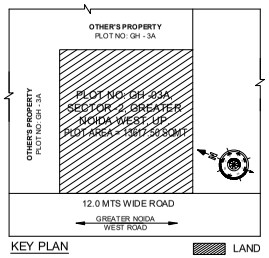
The capacity of tank and recharge pit is designed to retain runoff for at least 15 minutes of rainfall of the area intensity.

Peak Rainfall in one hour	=	about 83 mm/ hr Peak Rainfall in 15		
minutes, R	=	90 / 4 mm =	22.1 mm/ day	= 25
mm				
Peak Rainfall in 15 minutes, R			=	0.025 m.
Total Terrace area, A			=	2771 sq.m
Run off coefficient, C (Roof)			=	0.90
Hence total combined capacity of dwelling tank and recharge pit required,			=	Ac*R*C
			=	93
Providing Dwelling tank of size			=	2.5 (1.75) 2 m. effective depth
Capacity of dwelling tank at given size (Cu.m.), a			=	8.75
Providing Recharge pit of size			=	3.5 (1.75) 2 m. effective depth
Capacity of recharge pit at given size (Cu.m.), b			=	12.25
Hence total combined capacity of one set of dwelling			=	
(=3 tank and recharge pit, CU.M)				
			=	21
Therefore no. of dwelling tank and recharge pit required			=	(Ac*R*C) / (a+b)
			=	3
		say, Say	=	
				3 nos

Hence, 3 nos. sets of recharge pit and dwelling tank are required at following size

Dwelling tank	=	**2.5 (1.75) 2 m. effective depth**
Recharge pit	=	**3.5 (1.75) 2 m. effective depth**





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OWNER SIGN: R B YADAV — Digitally signed by R B YADAV Date: 2022.09.30 19:50:05 +05'30'

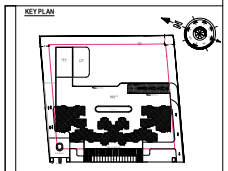
ARCHITECT SIGN: VISHAL SHARMA — Digitally signed by VISHAL SHARMA Date: 2022.09.30 19:32:29 +05'30'

AMIT VARMA — Digitally signed by AMIT VARMA Date: 2022.10.09 19:01:57 +05'30'

Lal Singh — Digitally signed by Lal Singh Date: 2022.10.10 14:37:42 +05'30'

LEGENDS :-
- F.A.R AREA
- COUNTED IN 15 % F.A.R AREA
- NON F.A.R AREA
- GREEN AREA
- STILT NON F.A.R AREA

KEY PLAN



SUBMISSION DRAWING

OWNER
M/S NIRALA WORLD RESIDENCY PRIVATE LIMITED

PROJECT
PROPOSED GROUP HOUSING AT PLOT NO. GH-03A, SECTOR-2, GREATER NOIDA WEST (UP).

DATE	PROJECT INCHARGE	CHECKED BY
07-07-2022	BAURAJ SINGH	BAURAJ SINGH
SCALE	DRAWN BY	APPROVED BY
1:100	RAVINDER	VISHAL SHARMA

DRAWING TITLE: STILT / GROUND FLOOR LVL. SITE PLAN

ARCHITECTS
Confluence
B-421 NEW FRIENDS COLONY NEW DELHI-110065
Ph. +91-7-14913063 Fax +91-7-14984185
conf@confluence.com www.confluence.com
Member of IGBC IGS - 9001 - 2008
architecture urban design hospitality interiors

DRAWING NO. S-02 REVISION R0

SITE PLAN AT PODIUM LVL.

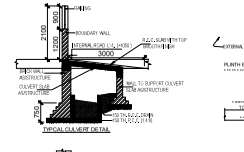
REQUIRED PARKING FOR RESIDENTIAL (A) = 1ECS PER 80 SQM OF PER. F.A.R AREA
= 38946.05 / 80 = 486.826 (SAY) = 487 ECS PARKING

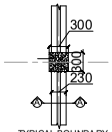
REQUIRED PARKING FOR COMMERCIAL (B) = 1ECS PER 50 SQM OF PER. F.A.R AREA
= 374.481 / 50 = 7.490 (SAY) = 7 ECS PARKING

TOTAL REQUIRED PARKING (A + B) = 494 ECS PARKING

PROPOSED PARKING :-

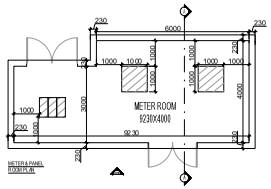
PROPOSED AREA FOR SURFACE PARKING	= 14 X 20 = 280.00 SQMT.
PROPOSED PARKING AT SURFACE	= 14 ECS ----------(1)
PROPOSED NON-TOWER AREA FOR STILT PARKING	= 2404.160 /30 = 80.139 (SAY 80 CARS)
PROPOSED PARKING AT STILT (NON-TOWER)	= 80 ECS ----------(2)
PROPOSED STILT (TOWER -A1+B1+A2) AREA FOR PARKING	= 1411.623 /30 = 47.054 (SAY 47 CARS)
PROPOSED PARKING AT STILT (TOWER -A1+B1+A2)	= 47 ECS ----------(3)
PROPOSED MANUAL CAR PARKING IN BASEMENT	= 263 ECS ---(4)
PROPOSED MECHANICAL CAR PARKING IN BASEMENT	= 92 ECS ---(5)
TOTAL PARKING PROPOSED	= (1) + (2) +(3) + (4) +(5) = 14 + 80 + 47 + 263 + 92 = 496 ECS

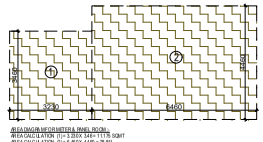


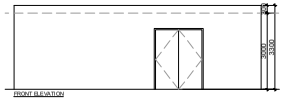


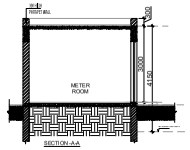
TYPICAL BOUNDARY WALL PLAN

AMIT VARMA Digitally signed by AMIT VARMA Date: 2022.10.09 19:05:31 +05'30'









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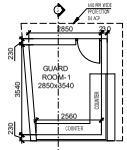
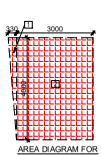
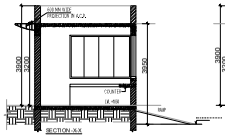
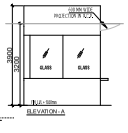


GUARD ROOM-1 PLAN



AREA DIAGRAM FOR GUARD ROOM-1

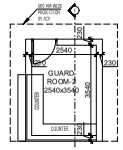




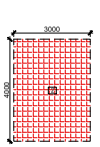
AREA DIAGRAM FOR GUARD ROOM -1, 2 & 3 :-
1 = 0.5 X .330 X 4.000 = 0.660 SQMT
2 = 2 X 3.000 X 4.000 = 24.000 SQMT
3 = 2.660 X 1.975 = 5.253 SQMT
TOTAL 15 % FAR AREA (1+2+3) = 29.953 SQMT.

CANOPY AREA DETAIL :-
PROPOSED CANOPY AREA (N1) = 1.880 X 2.470 = 4.643 SQM.
PROPOSED CANOPY AREA (N2) = 4.375 X 1.300 = 5.687 SQM.
PROPOSED CANOPY AREA (N3) = 1.940 X 2.470 = 4.544 SQM.
PROPOSED CANOPY AREA (N4) = 1.500 X 20.740 = 31.110 SQM.
PROPOSED CANOPY AREA (N5) = .5x.935x20.740 = 9.686 SQM.
TOTAL CANOPY AREA = 55.679 SQM.

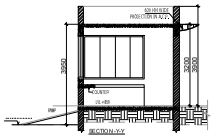
NOTE :- 13TH FLOOR IS OMITTED AND MARKED AS 12TH (A) FLOOR

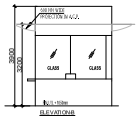


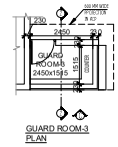
GUARD ROOM-2 PLAN



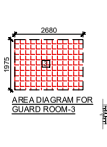
AREA DIAGRAM FOR GUARD ROOM-2



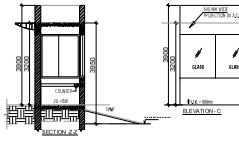


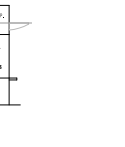


GUARD ROOM-3 PLAN

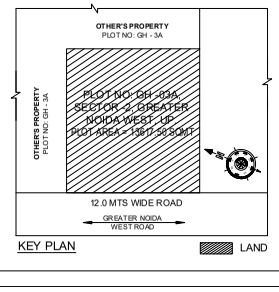


AREA DIAGRAM FOR GUARD ROOM-3





TREE SCHEDULE				
SYMBOL / KEY	BOTANICAL NAME	COMMON NAME	QUANTITIES	DESCRIPTION
	BAUHINIA VARIEGATA	KACHNAR	56	DECIDUOUS TREE
	THEVETIA PERUVIANA	KANER	56	EVERGREEN TREE
TOTAL TREE			112	



KEY PLAN

PROJECT : NIRALA TRIO AT SECTOR -02 , GREATER NOIDA

RAIN WATER HARVESTING CALCULATION (For Roof Top)

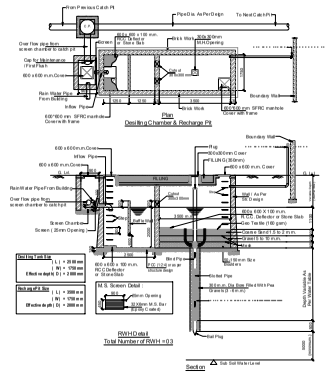
The capacity of tank inc. recharge pit is designed to retain runoff for at least 5 minutes of min fall of the peak intensity.

Peak Rainfall in one hour = about 90 mm/ hr Peak Rainfall in 15 minutes, R = 90 / 4 mm = 22.5 mm/ hr = 25 mm

Peak Rainfall in 15 minutes, R	=	0.025 m
Total Terrace area, A	=	2772 sq m
Run off coefficient, C (Roof)	=	0.90
Hence total combined capacity of desilting tank and recharge pit required,	=	AxRxC
	=	93
Providing Desilting tank of size	=	2.5 x 1.75 x 2 m, effective depth
Capacity of desilting tank of given size (Cu.m), a	=	8.75
Providing Recharge pit of size	=	3.5 x 1.75 x 2 m, effective depth
Capacity of recharge pit of given size (Cu.m), b	=	12.25
Hence total combined capacity of one set of desilting cum tank and recharge pit, (Cu.M)	=	
	=	21
Therefore no. of desilting tank and recharge pit required	=	(AxRxC) / (a+b)
	=	3
	NO. S.Ay.	=
		3 nos.

Hence, 3 nos. sets of recharge pit and desilting tank are required of following size :

Desilting tank	=	2.5 x 1.75 x 2 m, effective depth
Recharge pit	=	3.5 x 1.75 x 2 m, effective depth



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OWNER SIGN: R B YADAV Digitally signed by R B YADAV Date: 2022.09.30 19:51:22 +05'30'

ARCHITECT SIGN: VISHAL SHARMA Digitally signed by VISHAL SHARMA Date: 2022.09.30 19:33:24 +05'30'

LEGENDS :-
- F.A.R AREA
- COUNTED IN 15 % F.A.R AREA
- NON F.A.R AREA
- AREA FOR ARCHITECTURAL ELEMENTS
- COUNTED IN 1/4 F.A.R AREA
- STILT NON F.A.R AREA

KEY PLAN

SUBMISSION DRAWING

OWNER
M/S NIRALA WORLD RESIDENCY PRIVATE LIMITED

PROJECT
PROPOSED GROUP HOUSING AT PLOT NO. GH-03A, SECTOR-2, GREATER NOIDA WEST (UP).

DATE	PROJECT INCHARGE	CHECKED BY
07-07-2022	BALRAJ SINGH	BALRAJ SINGH
SCALE	DRAWN BY	APPROVED BY
1:100	RAVINDER	VISHAL SHARMA

DRAWING TITLE: SITE PLAN AT PODIUM LVL.

ARCHITECTS
Confluence
B-421 NDSE II NEW DELHI-110049 COUNTRY NO-91-11-41616903 Ph. +91-7-14913903 Ph. +91-7-14916416 confluence@vsnl.com www.confluence.com Member of IIBC IES - IGBC
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DRAWING NO. S-04 REVISION R0