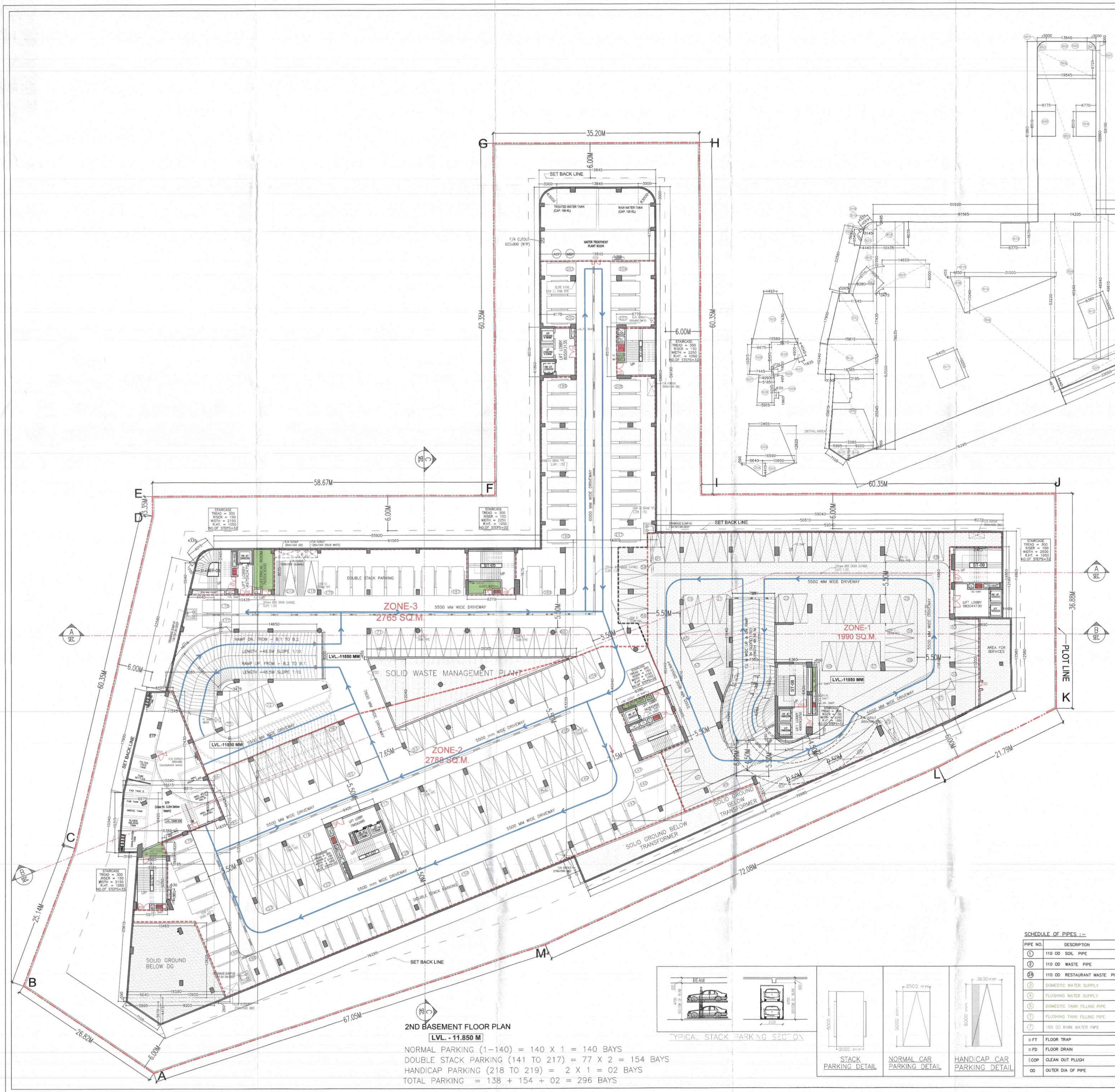

2ND BASEMENT FLOOR PLAN

LVL. - 11.850 M

NORMAL PARKING (1–140) = 140 X 1 = 140 BAYS
DOUBLE STACK PARKING (141 TO 217) = 77 X 2 = 154 BAYS
HANDICAP PARKING (218 TO 219) = 2 X 1 = 02 BAYS
TOTAL PARKING = 138 + 154 + 02 = 296 BAYS

S.T.P.(HQ) Member Secretary B.P.A.C. | S.T.P.(G) Member B.P.A.C. | C.T.P.(HR) Chairman B.P.A.C.

DTP(HQ) | ATP(HQ)

AD | PA | ATP

SANCTIONED
TO BE READ WITH THIS OFFICE MEMO NO.:
DATED :

Checked and found ok for Public Health (Internal) Service only subject to comments in in forwarding letter No. 2-3958 Dt. 22/7/24

Ram Avtar Bassi
JD(HQ)

Superintending Engineer (HQ) for Chief Engineer-I HSVP, Panchkula

Director (HQ) Manjeer EPHC

THIS DEVELOPMENT HAS BEEN CONCEIVED, DESIGNED AND DRAFTED ON THE BASIS OF THE FOLLOWING

1. ALL USABLE OFFICE SPACES/RETAIL SPACES (LIKE SHOP/COMMERCIAL AREAS, ENTERTAINMENT) WILL BE AIR-CONDITIONED.THEREFORE, NO PROVISION HAS BEEN MADE FOR NATURAL VENTILATION OF SPACES.
2. ALL TOILETS/KITCHENS WILL BE MECHANICALLY VENTILATED. CONDITIONED AIR FROM THE FLOOR WILL BE SUCKED IN TO THE TOILETS/KITCHENS AND VENTED OUT THROUGH A VENT SHAFT.
3. ALL SPACES (OFFICE SPACES,RETAIL SPACES,SERVICE AREAS, PARKING BASEMENT,ETC) WILL BE ARTIFICIALLY LIT. ANY NATURAL LIGHT WHICH IS AVAILABLE IN THE OFFICE SPACES IS ONLY INCIDENTAL AND NOT ESSENTIAL TO THE FUNCTIONING OF THE BUILDING.
4. 100% STANDBY GENERATING CAPACITY WILL BE PROVIDED FOR THE ENTIRE ELECTRICAL REQUIREMENT OF THE TOTAL SCHEME. THIS THEREFORE INCLUDES STANDBY GENERATION FOR ALL COMMON SERVICES,FIRE SERVICES, LIFTS ETC. AND ALSO THE ENTIRE ELECTRICAL LOAD FOR VENTILATION,AIR-CONDITIONING,LIGHTS AND ALL OFFICE EQUIPMENT.
5. BASEMENT WILL BE ARTIFICIALLY VENTILATED.
6. THIS BUILDING WILL BE SPRINKLED AS PER NBC NORMS.
7. HANDICAP RAMP WILL BE PROVIDED.
8. TRAVEL DISTANCE IS NOT MORE THAN 45 METER, AND PROVIDED IS MAX. 44 METER.

Staircase Calculation For 2nd. Basement Floor

Total floor area				9105.898	sqm	
Floors	Average occupant load as per NBCC	No. of occupant	As per NBCC (@ 10mm/ Person)	Stair case Required	Stair case Provided	
Basement Area	9105.90	30	303.53	10	3035.30	ST - 01 = 2000 ST - 02 = 2000 ST - 03 = 2000 ST - 04 = 2250 ST - 05 = 2250 ST - 06 = 2000 ST - 08 = 2000 ST - 09 = 2500 TOTAL STAIR = 17000 MM

SCHEDULE OF OPENINGS

TYPE	WIDTH	HEIGHT	SILL HT.	LINTEL	TYPE	WIDTH	HEIGHT	SILL HT.	LINTEL
D1	750	2100	–	2100	FCD	2150	2400	–	2400
D2	900	2400	–	2400	FCD1	2000	2400	–	2400
D3	1000	2400	–	2400	FCD2	1500	2400	–	2400
D4	1200	2400	–	2400	FCD3	1200	2400	–	2400
D5	1500	2400	–	2400	GD	AS/SHOP/COMMERCIAL FACADE			2400
D6	2150	2400	–	2400	GL	AS/ELEVATION (OPENABLE)			3370
D7	1350	2400	–	2400					

BASEMENT-02 AREA CALCULATION

TOTAL COVERED AREA AT BASEMENT-02 = ENVELOPE AREA (A) - OPEN AREA (B)

ENVELOPE AREA (A)

S.No.	Length	Breadth	Formula	No.		Area (SQM)
B01	3.000	x 3.000	x 3.142 \ 4.000	2	=	14.139
B02	13.845	x 3.000	x 1.00	1	=	41.535
B03	19.845	x 58.960	x 1.00	1	=	1169.977
B04	49.810	x 27.130	\ 2 x 50.810	1	=	1949.580
B05	8.230	x 14.860	x 1.00	1	=	122.298
B06	17.980	x 12.580	\ 2 x 8.690	1	=	145.134
B07	71.050	x 69.180	\ 2 x 4.675	1	=	327.881
B08	46.540	x 53.220	\ 2 x 14.105	1	=	711.995
B09	53.220	x 78.035	\ 2 x 61.565	1	=	4040.357
B10	4.015	x 0.700	x 0.67	1	=	1.883
B11	3.145	x 2.495	x 0.50	1	=	3.922
B12	3.145	x 8.280	\ 2 x 21.990	1	=	125.618
B13	11.545	x 15.615	\ 2 x 17.430	1	=	236.699
B14	19.815	x 16.985	\ 2 x 10.315	1	=	161.040
B15	13.335	x 15.095	\ 2 x 25.545	1	=	361.534
B16	3.875	x 6.360	\ 2 x 9.200	1	=	19.458
B17	5.895	x 3.970	x 0.50	1	=	11.701
			TOTAL ENVELOPE AREA (A)			9466.066

OPEN AREA (B)

D01	3.335	x 4.440	\ 2 x 19.055	1	=	118.501
D02	10.685	x 16.590	\ 2 x 12.820	1	=	179.423
D03	4.610	x 10.910	x 0.50	1	=	24.141
D04	0.580	x 4.410	\ 2 x 5.640	1	=	14.000
			TOTAL DEDUCTION AREA (B)			340.165

TOTAL COVERED AREA AT BASEMENT-02 (C) = (A-B) 9105.898

CORE AND SERVICE AREA AT BASEMENT -02

S.No.	Length	Breadth	Formula	No.		Area (SQM)
N01	3.000	x 3.000	x 3.142 \ 4.000	2	=	14.139
N02	13.845	x 3.000	x 1.00	1	=	41.535
N03	19.845	x 9.725	x 1.00	1	=	192.993
N04	6.729	x 8.310	x 1.00	1	=	17.613
N05	6.779	x 8.310	x 1.00	1	=	52.565
N06	8.680	x 12.190	x 1.00	1	=	105.127
N07	13.950	x 13.580	\ 2 x 5.590	1	=	78.064
N08	5.380	x 13.120	x 1.00	1	=	77.726
N09A	0.860	x 8.435	x 1.00	1	=	6.768
N10	5.380	x 4.700	\ 2 x 0.735	1	=	4.065
N11	4.785	x 0.990	x 0.67	1	=	3.118
N12	8.380	x 10.005	x 1.00	1	=	83.842
N13	8.030	x 7.675	x 1.00	1	=	61.630
N14	31.084	x 12.495	x 0.50	1	=	193.704
N15	4.850	x 0.455	x 0.50	1	=	1.103
N16	4.850	x 12.040	x 0.50	1	=	29.167
N17	9.695	x 10.215	x 1.00	1	=	99.046
N18	10.435	x 8.035	x 1.00	1	=	83.842
N19	4.015	x 0.700	x 0.67	1	=	1.883
N20	3.145	x 2.495	x 0.50	1	=	3.922
N21	3.145	x 4.440	\ 2 x 5.540	1	=	21.010
N22	4.895	x 15.580	\ 2 x 17.430	1	=	175.043
N23	1.815	x 4.545	x 0.50	1	=	4.170
N24	4.905	x 8.485	\ 2 x 8.910	1	=	59.607
N25	6.575	x 7.445	\ 2 x 10.315	1	=	72.824
N26	0.895	x 0.735	x 0.50	1	=	0.329
N27	4.845	x 5.185	\ 2 x 9.495	1	=	2.518
N28	5.185	x 5.915	\ 2 x 5.295	1	=	53.587
N29	0.690	x 1.980	x 1.00	1	=	1.370
			CORE AND SERVICE AREA AT BASEMENT -02 = (E)			1578.135

RAMP AREA AT BASEMENT -02

S.No.	Length	Breadth	Formula	No.		Area (SQM)
N01	14.850	x 8.300	x 1.00	1	=	117.255
N02	3.675	x 16.115	\ 2 x 8.620	1	=	78.556
N03	7.200	x 11.555	x 1.00	1	=	83.196
N04	3.145	x 5.945	\ 2 x 7.200	1	=	32.157
N05	13.210	x 5.280	\ 2 x 7.200	1	=	59.364
			RAMP AREA AT BASEMENT -02 = (F)			370.472

TOTAL PARKING AREA AT BASEMENT-02 (D) = (C) - (D + E)	7157.896
ECS IN BASEMENT-02 = (4887.962/32)	146.499
ECS IN BASEMENT-02 = (2470/16)	154.375
NO. OF BAYS IN BASEMENT-02 (NO OF BAYS 140 X 1) = 140 BAYS HANDICAP PARKING = 02 BAYS MECHANICAL PARKING = 77 X 2 = 154 TOTAL BAYS (140 + 154 + 02) = 296 BAYS	= 296 BAYS

SCHEDULE OF PIPES :–

PIPE NO.	DESCRIPTION
1	110 OD SOIL PIPE
2	110 OD WASTE PIPE
2A	110 OD RESTAURANT WASTE PIPE
3	DOMESTIC WATER SUPPLY
4	FLUSHING WATER SUPPLY
5	DOMESTIC TANK FILLING PIPE
7	FLUSHING TANK FILLING PIPE
7	150 OD RAIN WATER PIPE
FT	FLOOR TRAP
FD	FLOOR DRAIN
COP	CLEAN OUT PLUGH
OD	OUTER DIA OF PIPE

2ND BASEMENT FLOOR PLAN

For Shishta Buildwell LLP
Auth. Signatory
OWNER'S SIGN

GIAN P. MATHUR
ARCHITECT
B. Arch., M.C.A. I.I.A
CA No. 805769
ARCHITECT'S SIGN

PROJECT:–
PROPOSED BUILDING PLAN OF COMMERCIAL COLONY ON THE AREA MEASURING –3.46875 ACRES
(LICENSE NO.–268 OF 2023 DATED 27/12/2023)
IN SECTOR –92, GURUGRAM BEING DEVELOPED BY DIYA REALTECH PVT.LTD.IN COLLABORATION WITH SHISHTA BUILDWELL LLP.

TITLE:– 2ND BASEMENT FLOOR PLAN

DRG.NO.:–

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CHKD
SCALE:– 1:250 DATE:– 08/06/2024

02