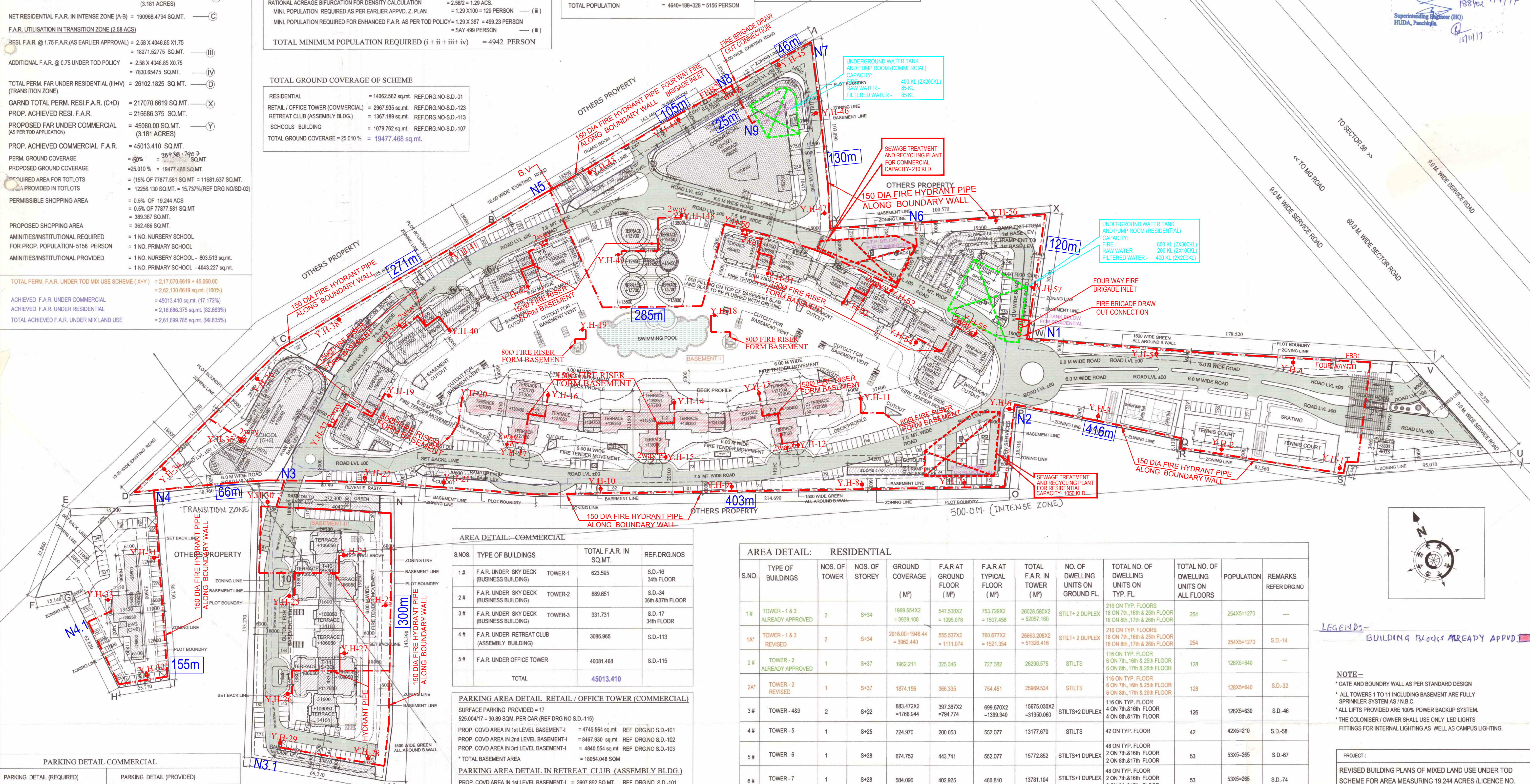


AREA STATEMENT	
AREA OF THE SITE	= 19.244 ACS OR 7777.581 SQ.MT.
AREA UNDER INTENSE ZONE	= 16.664 ACS OR 67436.708 SQ.MT.
AREA UNDER TRANSITION ZONE	= 2.58 ACS OR 10440.873 SQ.MT.
F.A.R. UTILISATION IN INTENSE ZONE (16.664 ACS)	
RESI. F.A.R. @ 1.75 F.A.R. (AS EARLIER APPROVAL)	= 16.664 X 4046.85 X 1.75 = 118014.2397 SQ.MT.
ADDITIONAL F.A.R. @ 1.75 UNDER TOD POLICY	= 16.664 X 4046.85 X 1.75 = 118014.2397 SQ.MT.
TOTAL PERMISSIBLE F.A.R. (I+II)	= 236028.4794 SQ.MT.
PROPOSED FAR UNDER COMMERCIAL (3.181 ACRES)	= 45060.00 SQ.MT. (3.181 ACRES)
NET RESIDENTIAL F.A.R. IN INTENSE ZONE (A-B)	= 190988.4794 SQ.MT.
F.A.R. UTILISATION IN TRANSITION ZONE (2.58 ACS)	
RESI. F.A.R. @ 1.75 F.A.R. (AS EARLIER APPROVAL)	= 2.58 X 4046.85 X 1.75 = 18271.52775 SQ.MT.
ADDITIONAL F.A.R. @ 0.75 UNDER TOD POLICY	= 2.58 X 4046.85 X 0.75 = 7830.65475 SQ.MT.
TOTAL PERM. FAR UNDER RESIDENTIAL (III+IV) (TRANSITION ZONE)	= 26102.1825 SQ.MT.
GARND TOTAL PERM. RESI.F.A.R. (C+D)	= 217070.6619 SQ.MT.
PROP. ACHIEVED RESI. F.A.R.	= 219686.375 SQ.MT.
PROPOSED FAR UNDER COMMERCIAL (AS PER TOD APPLICATION)	= 45060.00 SQ.MT. (3.181 ACRES)
PROP. ACHIEVED COMMERCIAL F.A.R.	= 45013.410 SQ.MT.
PERM. GROUND COVERAGE	= 50% = 38936.790 SQ.MT.
PROPOSED GROUND COVERAGE	= 25.010 % = 19477.468 SQ.MT.
REQUIRED AREA FOR TOTLOTS	= (15% OF 7777.581 SQ.MT = 11881.637 SQ.MT.
PROVIDED IN TOTLOTS	= 12256.130 SQ.MT. = 15.737% (REF DRG NO/S.D-02)
PERMISSIBLE SHOPPING AREA	= 0.5% OF 19.244 ACS = 0.5% OF 7777.581 SQ.MT = 389.387 SQ.MT.
PROPOSED SHOPPING AREA	= 362.486 SQ.MT.
AMINITIES/INSTITUTIONAL REQUIRED FOR PROP. POPULATION-5156 PERSON	= 1 NO. NURSERY SCHOOL
AMINITIES/INSTITUTIONAL PROVIDED	= 1 NO. NURSERY SCHOOL - 803.513 sq.mt.
	= 1 NO. PRIMARY SCHOOL - 4043.227 sq.mt.
TOTAL PERM. F.A.R. UNDER TOD MIX USE SCHEME (X+Y) = 217070.6619 + 45060.00 = 262130.6619 sq.mt. (100%)	
ACHIEVED F.A.R. UNDER COMMERCIAL	= 45013.410 sq.mt. (17.172%)
ACHIEVED F.A.R. UNDER RESIDENTIAL	= 219686.375 sq.mt. (82.828%)
TOTAL ACHIEVED F.A.R. UNDER MIX LAND USE	= 2,61,699.755 sq.mt. (99.835%)

POPULATION CALCULATIONS - AS PER ENHANCED F.A.R. UNDER TOD POLICY	
AREA UNDER RESIDENTIAL COMPONENT IN INTENSE ZONE	= 16.664 - 3.181 = 13.483 ACS.
AREA UNDER RESIDENTIAL COMPONENT IN TRANSITION ZONE	= 2.58 ACS.
MINI. APPLICABLE DENSITY AS PER EARLIER APPVD. ZONING PLAN	= 100 PPA
MINI. APPLICABLE DENSITY IN INTENSE ZONE AS PER TOD POLICY	= 600 PPA (± 10%) SAY 540 PPA (MINI.)
MINI. APPLICABLE DENSITY IN TRANSITION ZONE AS PER TOD POLICY	= 430 PPA (± 10%) SAY 387 PPA (MINI.)
A. MINIMUM POPULATION TO BE REQUIRED IN INTENSE ZONE	
RATIONAL ACREAGE BIFURCATION FOR DENSITY CALCULATION	= 13.4832 = 6.741 ACS.
MINI. POPULATION REQUIRED AS PER EARLIER APPVD. Z. PLAN	= 6.741 X 100 = 674 PERSON
MINI. POPULATION FOR ENHANCED F.A.R. AS PER TOD POLICY	= 6.741 X 540 = 3640 PERSON
B. MINIMUM POPULATION TO BE REQUIRED IN TRANSITION ZONE	
RATIONAL ACREAGE BIFURCATION FOR DENSITY CALCULATION	= 2.5802 = 1.29 ACS.
MINI. POPULATION REQUIRED AS PER EARLIER APPVD. Z. PLAN	= 1.29 X 100 = 129 PERSON
MINI. POPULATION REQUIRED FOR ENHANCED F.A.R. AS PER TOD POLICY	= 1.29 X 387 = 498.23 PERSON
SAY 499 PERSON	
TOTAL MINIMUM POPULATION REQUIRED (i + ii + iii + iv) = 4942 PERSON	

DENSITY CALCULATION RESIDENTIAL	
TOTAL NOS. OF DU	= 928
POPULATION	= 928 X 5 = 4640 PERSONS
SER. PERSONAL REQUIRED	= 10% OF TOTAL OF D US = 10% OF 928 = 92.80 SAY 93 NOS
NOS. OF SER. PERSONAL PROVIDED	= 94 DUS (IN TOWER-1 to 11)
POPULATION	= 94 X 2 = 188 PERSON
E.W.S UNIT REQUIRED	= 15% OF (TOTAL NOS. OF D.U.S. + TOTAL NO. OF E.W.S PROVIDED) = 928 X 15/100 = 139.20 SAY 140 NOS
NOS. OF E.W.S UNIT PROVIDED	= 140 NOS
POPULATION	= 140 X 2 = 280 PERSON
TOTAL POPULATION	= 4640 + 188 + 280 = 5108 PERSON

LEGEND :-	
	FIRE LINE
	YARD HYDRANT (YH)
	2 WAY FIRE BRIGADE INLET
	4 WAY FIRE BRIGADE INLET
	BUTTERFLY VALVE (B.V.)
	FIRE HOSE CABINET



PARKING DETAIL COMMERCIAL	
PARKING DETAIL (REQUIRED)	PARKING DETAIL (PROVIDED)
SKY DECK (BUSINESS BLDG.)	1st LEVEL BASEMENT-I
1788.777/50 = 35.75 SAY 36 NOS	38 S.D.-98
RETRAIT CLUB (ASSEMBLY BLDG.)	1st LEVEL BASEMENT-I
3086.965/50 = 61.73 SAY 62 NOS	66 S.D.-99
OFFICE TOWER (COMMERCIAL)	1st LEVEL BASEMENT-I
40081.468/50 = 801.628 SAY 802 NOS	232 S.D.-98
	2nd LEVEL BASEMENT-I
	364 S.D.-99
	3rd LEVEL BASEMENT-I
	228 S.D.-100
PARKING DETAIL RESIDENTIAL	
REQUIRED NOS. OF CAR PARKING	= 1.5 ECS OF TOTAL NOS. OF D US = 1.5 OF 928 = 1392 NOS.
REQUIRED NOS. OF COVERED CAR PARKING	= 75% OF TOTAL NOS. OF ECS = 1044 NOS.
PROP. COVD CAR PARKING IN 1st LEVEL BASEMENT-I	= 787 NOS (REFER DRG NO S.D.-98)
PROP. COVD CAR PARKING IN 2nd LEVEL BASEMENT-I	= 844 NOS (REFER DRG NO S.D.-99)
PROP. COVD CAR PARKING IN 3rd LEVEL BASEMENT-I	= 433 NOS (REFER DRG NO S.D.-100)
PROP. COVD CAR PARKING IN 1st LEVEL BASEMENT-II	= 147 NOS (REFER DRG NO S.D.-104)
PROP. COVD CAR PARKING IN 2nd LEVEL BASEMENT-II	= 147 NOS (REFER DRG NO S.D.-104)
PROP. COVD CAR PARKING IN 3rd LEVEL BASEMENT-II	= 147 NOS (REFER DRG NO S.D.-104)
TOTAL COVD CAR PARKING	= 2505 NOS.
PROPOSED NOS. OF SURFACE CAR PARKING	= 278 NOS. (REFER DRG NO S.D.-02)
TOTAL CAR PARKING	= 2783 NOS.
PARKING DETAIL E.W.S.	
= 5% CAR PARKING IS REQUIRED FOR EWS FROM TOTAL NOS OF REQUIRED CAR PARKING:-	
= 5% OF REQUIRED 1392 = 69.60	SAY=70 NOS.
(E.W.S.) = 166.375/280 = 5.941 SAY 5 NOS	
* PROVIDED CAR PARK IN E.W.S. STLT	= 5 NOS
* PROVIDED CAR PARK AT SURFACE	= 66 NOS (FROM 279 TO 344)
* PROVIDED TOTAL CAR PARK	= 71 NOS

AREA DETAIL - NURSERY & PRIMRY SCHOOL	
PERMISSIBLE F.A.R.	= 787 NOS (REFER DRG NO S.D.-98)
NURSERY SCHOOL @ 0.2 ACRE = 809.37 sq.mt.	
PRIMARY SCHOOL @ 1.0 ACRE = 1046.85 sq.mt.	
PROPOSED GR. COVG. OF SCHOOLS	= 1079.762 sq.mt.
PROPOSED F.A.R. IN NURSERY SCHOOL = 803.513 sq.mt.	
PROPOSED F.A.R. IN PRIMARY SCHOOL = 4043.227 sq.mt.	
REF. DRG. NO S.D.-107	

AREA DETAIL - COMMERCIAL			
S.NOS.	TYPE OF BUILDINGS	TOTAL F.A.R. IN SQ.MT.	REF.DRG.NOS
1#	F.A.R. UNDER SKY DECK (BUSINESS BUILDING)	623.555	S.D.-16 34th FLOOR
2#	F.A.R. UNDER SKY DECK (BUSINESS BUILDING)	889.651	S.D.-34 36th-43th FLOOR
3#	F.A.R. UNDER SKY DECK (BUSINESS BUILDING)	331.731	S.D.-17 34th FLOOR
4#	F.A.R. UNDER RETREAT CLUB (ASSEMBLY BUILDING)	3086.965	S.D.-113
5#	F.A.R. UNDER OFFICE TOWER	40081.468	S.D.-115
TOTAL		45013.410	

PARKING AREA DETAIL RETAIL / OFFICE TOWER (COMMERCIAL)			
SURFACE PARKING PROVIDED = 17			
525.004/17 = 30.88 SQ.M. PER CAR (REF DRG NO S.D.-115)			
PROP. COVD AREA IN 1st LEVEL BASEMENT-I	= 4745.564 sq.mt.	REF DRG NO S.D.-101	
PROP. COVD AREA IN 2nd LEVEL BASEMENT-I	= 8467.930 sq.mt.	REF DRG NO S.D.-102	
PROP. COVD AREA IN 3rd LEVEL BASEMENT-I	= 4840.554 sq.mt.	REF DRG NO S.D.-103	
* TOTAL BASEMENT AREA	= 18054.048 SQ.M		
PARKING AREA DETAIL IN RETREAT CLUB (ASSEMBLY BLDG.)			
PROP. COVD AREA IN 1st LEVEL BASEMENT-I	= 2897.892 SQ.MT.	REF DRG NO S.D.-101	
PARKING AREA DETAIL IN SKY DECK (BUSINESS BLDG.)			
PROP. COVD AREA IN 1st LEVEL BASEMENT-I	= 2039.576 SQ.MT.	REF DRG NO S.D.-101	

AREA DETAIL BASEMENT (RESIDENTIAL)			
PROP. COVD AREA IN 1st LEVEL BASEMENT-I	= 29939.077 SQ.MT.	REF DRG NO S.D.-101	
PROP. COVD AREA IN 2nd LEVEL BASEMENT-I	= 34437.200 SQ.MT.	REF DRG NO S.D.-102	
PROP. COVD AREA IN 3rd LEVEL BASEMENT-I	= 15494.808 SQ.MT.	REF DRG NO S.D.-103	
PROP. COVD AREA IN 1st LEVEL BASEMENT-II	= 6513.568 SQ.MT.	REF DRG NO S.D.-104	
PROP. COVD AREA IN 2nd LEVEL BASEMENT-II	= 6543.843 SQ.MT.	REF DRG NO S.D.-104	
PROP. COVD AREA IN 3rd LEVEL BASEMENT-II	= 6570.523 SQ.MT.	REF DRG NO S.D.-104	
TOTAL COVD AREA IN BASEMENT I&II	= 99499.019 SQ.MT.		

AREA DETAIL ORGANISED LANDSCAPED (RESIDENTIAL)			
TOWER NO.	GROUND FL.	TOTAL	REF DRG NO.
(TOWER-1)	= 237.678 SQ.MT.	= 2095.259 SQ.MT.	S.D.-18
(TOWER-2)	= 359.087 SQ.MT.	= 3314.106 SQ.MT.	S.D.-36,37
(TOWER-3)	= 237.678 SQ.MT.	= 2279.077 SQ.MT.	S.D.-19
(TOWER-4)	= 317.045 SQ.MT.	= 802.287 SQ.MT.	S.D.-48
(TOWER-5)	= 312.855 SQ.MT.	= 1524.907 SQ.MT.	S.D.-59
(TOWER-6)	= 67.365 SQ.MT.	= 673.863 SQ.MT.	S.D.-68
(TOWER-7)	= 56.898 SQ.MT.	= 579.548 SQ.MT.	S.D.-75
(TOWER-8)	= 257.735 SQ.MT.	= 1278.123 SQ.MT.	S.D.-82
(TOWER-9)	= 317.045 SQ.MT.	= 802.287 SQ.MT.	S.D.-48
(TOWER-10)	= 316.397 SQ.MT.	= 645.327 SQ.MT.	S.D.-69
(TOWER-11)	= 316.397 SQ.MT.	= 645.327 SQ.MT.	S.D.-69
TOTAL	= 2796.180 SQ.MT.	= 15040.10 SQ.MT.	

AREA DETAIL: RESIDENTIAL											
S.NO.	TYPE OF BUILDINGS	NOS. OF TOWER	NOS. OF STOREY	GROUND COVERAGE (M ²)	F.A.R. AT GROUND FLOOR (M ²)	F.A.R. AT TYPICAL FLOOR (M ²)	TOTAL F.A.R. IN TOWER (M ²)	NO. OF DWELLING UNITS ON GROUND FL.	TOTAL NO. OF DWELLING UNITS ON TYP. FL.	TOTAL NO. OF DWELLING UNITS ON ALL FLOORS	POPULATION
1#	TOWER - 1 & 3	2	S+34	1989.554 X 2 = 3979.108	547.538 X 2 = 1095.076	753.728 X 2 = 1507.456	20028.980 X 2 = 40057.960	STILT+2 DUPEX	216 ON TYP. FLOORS 18 ON 7th, 16th & 25th FLOOR 18 ON 8th, 17th & 26th FLOOR	254	254 X 5 = 1270
1A*	TOWER - 1 & 3	2	S+34	2016.00 + 1946.44 = 3962.440	555.537 X 2 = 1111.074	760.677 X 2 = 1521.354	25663.208 X 2 = 51326.416	STILT+2 DUPEX	216 ON TYP. FLOORS 18 ON 7th, 16th & 25th FLOOR 18 ON 8th, 17th & 26th FLOOR	254	254 X 5 = 1270
2#	TOWER - 2	1	S+37	1962.211	325.346	727.382	26290.575	STILTS	116 ON TYP. FLOOR 6 ON 7th, 16th & 25th FLOOR 6 ON 8th, 17th & 26th FLOOR	128	128 X 5 = 640
2A*	TOWER - 2	1	S+37	1874.156	366.335	754.451	25969.534	STILTS	116 ON TYP. FLOOR 6 ON 7th, 16th & 25th FLOOR 6 ON 8th, 17th & 26th FLOOR	128	128 X 5 = 640
3#	TOWER - 4&9	2	S+22	883.472 X 2 = 1766.944	397.397 X 2 = 794.794	699.670 X 2 = 1399.340	15675.030 X 2 = 31350.060	STILTS+2 DUPEX	116 ON TYP. FLOOR 4 ON 7th, 16th & 25th FLOOR 4 ON 8th, 17th & 26th FLOOR	126	126 X 5 = 630
4#	TOWER - 5	1	S+25	724.970	200.053	552.077	13177.670	STILTS	42 ON TYP. FLOOR	42	42 X 5 = 210
5#	TOWER - 6	1	S+28	674.752	443.741	552.077	15772.852	STILTS+1 DUPEX	48 ON TYP. FLOOR 2 ON 7th, 16th & 25th FLOOR 2 ON 8th, 17th & 26th FLOOR	53	53 X 5 = 265
6#	TOWER - 7	1	S+28	564.096	402.925	480.810	13781.104	STILTS+1 DUPEX	48 ON TYP. FLOOR 2 ON 7th, 16th & 25th FLOOR 2 ON 8th, 17th & 26th FLOOR	53	53 X 5 = 265
7#	TOWER - 8	1	S+25	604.035	185.733	480.810	11560.797	STILTS	42 ON TYP. FLOOR	42	42 X 5 = 210
8#	TOWER - 10&11	2	S+30	983.785 X 2 = 1967.570	521.400 X 2 = 1042.800	811.001 X 2 = 1622.002	24559.704 X 2 = 49119.408	STILTS+2 DUPEX	186 ON TYP. FLOOR 18 ON 7th, 16th & 25th FLOOR 18 ON 8th, 17th & 26th FLOOR	230	230 X 5 = 1150
9#	E.W.S	1	S+8	262.370	72.429	247.882	2184.967	STILTS	72 ON TYP. FLOOR 4 ON 9th FLOOR	76	76 X 2 = 152
9A*	E.W.S	1	S+8	507.685	341.310	472.450	4120.910	STILTS+12	152 ON TYP. FLOOR	164	164 X 2 = 328
10#	COMMUNITY BUILDING	1	G+1	931.628	931.628	1009.515	1941.143				
11#	SER. PERSONAL										
12#	SHOPS										
12A*	SHOPS										
13#	GUARD ROOM & METER ROOM										
13A*	GUARD ROOM & METER ROOM										
14#	SWIMMING POOL										
14A*	SWIMMING POOL										
TOTAL				14062.582	5396.369	7835.371	216686.375				

Checked and found ok for Public Use - 11th (Internal) Service only subject to comm. in the following: 15/11/17

Supervising Engineer (HO) HUDA, Panache

LEGEND:- BUILDING BLOCKS ALREADY APPVD.

NOTE:-

- * GATE AND BOUNDARY WALL AS PER STANDARD DESIGN
- * ALL TOWERS 1 TO 11 INCLUDING BASEMENT ARE FULLY SPRINKLER SYSTEM AS / N.B.C.
- * ALL LIFTS PROVIDED ARE 100% POWER BACKUP SYSTEM.
- * THE COLONISER / OWNER SHALL USE ONLY LED LIGHTS FITTINGS FOR INTERNAL LIGHTING AS WELL AS CAMPUS LIGHTING.

PROJECT:-

REVISED BUILDING PLANS OF MIXED LAND USE UNDER TOD SCHEME FOR AREA MEASURING 19.244 ACRES (LICENCE NO. 168-172 OF 2004, DATED 16/12/2004 & LICENCE NO. 545-546 OF 2006, DATED 13/03/2008) IN SECTOR-53, GURUGRAM MANESAR URBAN COMPLEX BEING DEVELOPED BY M/S VIPUL LIMITED AND OTHERS.

OWNER:-

VIPUL LIMITED

For VIPUL LIMITED

CLIENT'S SIGN:-

ARCHITECT SIGN:-

GUNINDER KALSI (B. Arch. M.C.A.)

Read No. CA/85/9528

SHEET TITLE:-

FIRE FIGHTING LAYOUT SITE PLAN

DEALT:-

D.S. YADAV

SCALE:-

1:850

DRG. NO.:-

S.D.-01

CHG. BY:-

BABITA

DATE:-

SEP-2017

ARCHITECTS:-

VIPUL LIMITED

VIPUL TECH SQUARE, GOLF COURSE ROAD, SECTOR-43, GURUGRAM - 122009