PLUMBING LEGEND

1. 160mm Ø SOIL & VENT PIPE
2. 160mm Ø WASTE & VENT PIPE
3. 75mm Ø ANTI-SIPHONAGE PIPE
4. 160mm Ø RAIN WATER PIPE
5. DOMESTIC WATER SUPPLY RISER
6. FLUSHING WATER SUPPLY RISER
7. DOMESTIC WATER SUPPLY ON TANK
8. FLUSHING WATER SUPPLY ENTRANCE

DOOR AND WINDOW SCHEDULE					
S.NO	TAG	WIDTH	SILL	LINTEL	HEIGHT
1	GL1	29030	0	4000	400X
2	GL2	51750	0	4000	400X
3	GL3	48755	0	4000	400X
4	GL4	40280	0	4000	400X
5	GL5	39525	0	4000	400X
6	GL6	30075	0	4000	400X
7	GL7	30275	0	4000	400X
8	GL8	28030	0	4000	400X
9	GL9	25500	0	4000	400X
10	GL10	20965	0	4000	400X
11	GL11	15100	0	4000	400X
12	GL12	14150	0	4000	400X
13	GL13	13375	0	4000	400X
14	GL14	12850	0	4000	400X
15	GL15	12430	0	4000	400X
16	GL16	12380	0	4000	400X
17	GL18	12285	0	4000	400X
18	GL19	12155	0	4000	400X
19	GL20	11385	0	4000	400X
20	GL21	10975	0	4000	400X
21	GL22	10900	0	4000	400X
22	GL23	10825	0	4000	400X
23	GL24	10650	0	4000	400X
24	GL25	9730	0	4000	400X
25	GL26	9650	0	4000	400X
26	GL27	8925	0	4000	400X
27	GL28	8925	0	4000	400X
28	GL29	8185	0	4000	400X
29	GL30	7700	0	4000	400X
30	GL31	7400	0	4000	400X
31	GL32	6100	0	4000	400X
32	F01	2130	0	2400	240X
33	F02	2100	0	2400	240X
34	F03	2000	0	2400	240X
35	F04	1950	0	2400	240X
36	F05	1800	0	2400	240X
37	F06	1650	0	2400	240X
38	F07	1300	0	2400	240X
39	D1	1800	0	2400	240X
40	D2	1300	0	2400	240X
41	D3	1100	0	2400	240X
42	D4	2150	0	2400	240X
43	D5	2000	0	2400	240X
44	D6	1000	0	2400	240X
45	DW1	5100	0	2400	240X
46	DW2	3600	0	2400	240X
47	DW3	3000	0	2400	240X
48	W1	3600	900	2400	150X
49	W2	3000	900	2400	150X

TABLE 15, SHOPPING MALLS & RETAIL BUILDINGS
CLAUSE 4.2.1.1)

S. No.	FIXTURES	STAFF TOILETS: MALES	STAFF TOILETS: FEMALES	PUBLIC TOILETS: MALES	PUBLIC TOILETS: FEMALES
1	WATER CLOSETS	1 FOR UP TO 15	1 FOR UP TO 12	1 PER 50	1 PER 50
		2 FOR 16 TO 35	2 FOR 13 TO 25		
		3 FOR 36 TO 65	3 FOR 26 TO 40		
		4 FOR 66 TO 100	4 FOR 41 TO 57		
			5 FOR 58 TO 75		
			6 FOR 76 TO 100		
2	URINALS	NIL UP TO 2		1 PER 50	
		1 FOR 3 TO 20			
		2 FOR 21 TO 45			
		3 FOR 46 TO 70			
		4 FOR 71 TO 100			
3	WASH BASINS	1 FOR UP TO 15	1 FOR UP TO 12	1 PER 50	1 PER 50
		2 FOR 16 TO 35	2 FOR 13 TO 25		
		3 FOR 36 TO 65	3 FOR 26 TO 40		
		4 FOR 66 TO 100	4 FOR 41 TO 57		

THIRD FLOOR

MERCANTILE

FIXTURES	FAR AREA (Sq.Mt.)	OCCU.PANTS @ 1PERSON/4 Sq.Mt.	PERMANENT POPULATION @10% OF TOTAL POPULATION			FLOATING POPULATION			TOTAL FIXTURES REQIRED		PROPOSED FIXTURES	
			TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
	2582	490	43	26	14	387	258	129				
WATER CLOSET				2	2		5	3	7	5	7	5
WASH BASIN				2	2		5	3	7	5	7	5
URINAL				2			5		7		7	

RESTAURANT

FIXTURES	FAR AREA (Sq.Mt.)	OCCU.PANTS @ 1PERSON/1.5 Sq.Mt.	PERMANENT POPULATION @10% OF TOTAL POPULATION			FLOATING POPULATION			TOTAL FIXTURES REQIRED		PROPOSED FIXTURES	
			TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
	4097	2276	228	151	76	3048	1366	683				
WATER CLOSET				5	5		15	11	20	16	20	16
WASH BASIN				5	5		15	11	20	16	20	16
URINAL				5			27		32		32	

MULTIPLEX

FIXTURES	NO OF SEATS	OCCU.PANTS @ 1.2 PERSON/SEAT	PERMANENT POPULATION @10% OF TOTAL POPULATION			FLOATING POPULATION			TOTAL FIXTURES REQIRED		PROPOSED FIXTURES	
			TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
	1070	1284	128	38	63	1356	770	385				
WATER CLOSET				4	4		8	10	10	14	10	14
WASH BASIN				4	4		4	2	1	6	8	6
URINAL				4			31		35		35	

STAIRCASE CALCULATION FOR THIRD FLOOR

FLOOR USE	AREA/SEATS	AVEARGE OCCUPANT LOAD AS PER NBC	TOTAL No. OF OCCUPANT	NO OF OCCUPANT AT 2ND LEVEL (50%)	AS PER NBC (100MM/PERSON	STAIRCASE WIDTH REQUIRED (MM)	TOTAL STAIRCASE WIDTH REQUIRED (MM)	TOTAL STAIRCASE WIDTH PROVIDED (MM)
MERCANTILE	2581.952	6	430		10	4303	33483	2X 1300 = 6500 6 X 2250 = 13500 6 X 2500 = 15000 TOTAL = 35000
RESTAURANTS	4095.531	1.5	2276		10	22761		
MULTIPLEX	1070	1.2	1284	642	10	6420		
(LOWER LEVEL)								
TOTAL								

SX1500 = 1500
1 X 1500 = 1500
2X 1500 = 3000
1 X 2000 = 2000
LIFTS = 2500
TOTAL = 9000
TWO RUN STAIRCASE

NOTE -
* MAXIMUM TRAVEL DISTANCE UP TO STAIRCASE IS NOT MORE THAN 45 METER IN TWO WAY EXITS ARE MORE THAN 30 METER APART
* ELECTRICAL & BY SMART VAVE 2 HR. FIRE RATED DOORS.

TOILET DETAIL 05
SCALE: 1:50

TOILET DETAIL 04
SCALE: 1:50

TOILET DETAIL 03
SCALE: 1:50

TOILET DETAIL 02
SCALE: 1:50

TOILET DETAIL 01
SCALE: 1:50

THIRD FLOOR PLAN
SCALE:

This is a "PROVISIONAL BUILDING PLAN" approved only for the purpose of inviting objections from the general public

Architect Engineer Surveyor Town Planner

NOTES
1. ALL LIFTS SHALL HAVE 100%POWER BACKUP.
2. ALL ELECTRICAL INSTALLATIONS SHALL BE AS PER RELEVANT NBC PROVISIONS.
3. FIRE FIGHTING SYSTEM PROVISIONS WILL BE AS PER RELEVANT NBC PROVISIONS.
4. ALL MATERIALS SHALL BE FLAME RETARDANT & FIRE RESISTANCE.
5. MAIN ENTRY & EXIT DOORS SHALL BE AUTOMATED/MANUAL OPERATED.
6. TOILET WILL BE MECHANICALLY VENTILATED WITH 100% POWER BACKUP.

PROJECT:
PROPOSED MULTI-LEVEL COMMERCIAL CUM ENTERTAINMENT COMPLEX AT PLOT NO. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000

OWNER'S SIGN

Certified and found to be Public Health Drainage Service only and not to be used for any other purpose.

Authorised Signatory

Executive Engineer Public Health Division

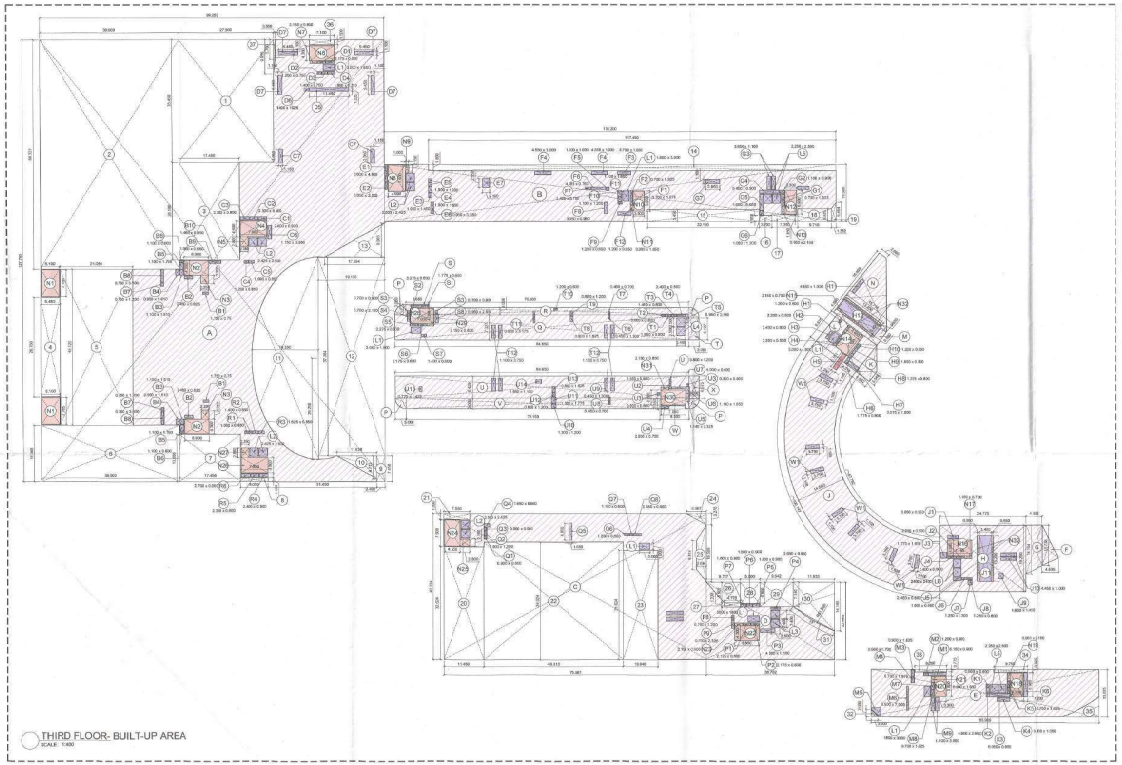
DRAWING TITLE:
THIRD FLOOR PLAN

DATE:

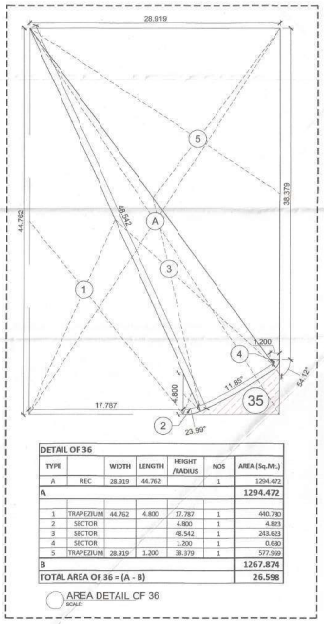
SCALE: 1:250

SHEET NO: 4A

NORTH



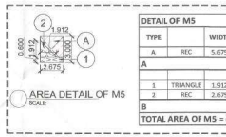
THIRD FLOOR- BUILT-UP AREA
SCALE: 1:400



AREA DETAIL OF 36
SCALE

DETAIL OF 36

TYPE		WIDTH	LENGTH	HEIGHT /RADIUS	NOS	AREA (Sq.Mt.)
A	REC	28.319	44.762		1	1294.472
A						**1294.472**
1	TRAPEZIUM	44.762	4.800	17.787	1	440.780
2	SECTOR			4.800	1	4.823
3	SECTOR			48.542	1	243.823
4	SECTOR			1.200	1	0.680
5	TRAPEZIUM	28.319	1.200	38.379	1	577.999
B						**1267.874**
TOTAL AREA OF 36 = (A - B)						**26.598**



AREA DETAIL OF M5
SCALE

DETAIL OF M5

TYPE		WIDTH	LENGTH	HEIGHT /RADIUS	NOS	AREA (Sq.Mt)
A	REC	5.675	3.000		1	17.025
A						**17.025**
1	TRIANGLE	1.912		1.912	1	1.828
2	REC	2.675	0.600		1	1.605
B						**3.433**
TOTAL AREA OF M5 = (A - B)						**13.591**

ENVELOPE ADDITION (A)

TYPE		WIDTH	LENGTH	HEIGHT /RADIUS/ VALUE	NOS	AREA (Sq.Mt.)
A	REC	99250	127795		1	12683.654
B	REC	13C200	16100		1	2148.300
C	REC	75361	42.104		1	3207.372
D	REC	36702	22.440		1	823.593
E	REC	65900	13.475		1	901.183
F	TRIANGLE	11738		6.055	1	27.203
G	TRAPEZIUM	14154	11.738	6.016	1	63.927
H	REC	24775	19.100		1	475.680
I	TRAPEZIUM	100.142	67.792	14.100	1	1217.558
J	TRAPEZIUM	9.175	3.548	4.852	1	30.721
L	REC	14518	9.175		1	139.010
M	REC	15718	4.890		1	76.861
N	TRAPEZIUM	15.718	2.880	16.809	1	154.498
P	QUADRANT			3.000	4	28.269
Q	REC	84650	7.127		1	620.231
R	REC	75000	2.098		1	157.350
S	REC	6.050	3.000		1	13.950
T	REC	3.300	6.227		1	19.281
U	REC	84650	6.025		1	543.876
V	REC	73150	3.000		1	219.450
W	REC	8.400	3.150		1	26.775
X	REC	3.300	6.775		1	19.725
TOTAL A)						**23604.431**

ENVELOPE SUBTRACTION (B)

TYPE		WIDTH	LENGTH	HEIGHT /RADIUS/ VALUE	NOS	AREA (Sq.Mt.)
1	REC	27500	35.450		1	974.875
2	REC	35900	66.327		1	2646.447
3	REC	17450	28.188		1	491.881
4	REC	5.450	28.750		1	156.688
5	REC	21050	45.120		1	945.796
6	REC	35900	16.348		1	652.285
7	REC	17456	13.358		1	238.434
8	REC	8.350	1.108		1	8.919
9	REC	2.400	7.456		1	17.894
10	TRIANGLE	11626		6.712	1	39.017
11	ELLIPSE	19200	29.250		0.5	881.993
12	REC	19100	57.364		1	1095.652
13	TRIANGLE	17.294		9.485	1	86.340
14	REC	117.450	1.300		1	211.410
15	REC	32150	3.450		1	110.918
16	REC	3.700	1.650		1	6.105
17	REC	7.350	1.250		1	13.598
18	REC	9.718	3.175		1	35.714
19	TRAPEZIUM	5.454	3.175	1.182	1	6.308
20	REC	11.450	32.124		1	373.545
21	REC	7.550	1.400		1	12.080
22	REC	40.313	34.324		1	1371.610
23	REC	31.040	31.524		1	317.505
24	TRIANGLE	5.987		3.776	1	9.807
25	TRAPEZIUM	16.508	8.414	3.418	1	37.607
26	TRAPEZIUM	9.727	4.775	5.902	1	42.795
27	REC	4.775	1.238		1	5.911
28	REC	5.500	6.890		1	33.495
29	REC	9.542	7.40		1	66.130
30	TRAPEZIUM	14.146	7.40	11.333	1	127.003
31	SEGMENT			61.300	1	3.819
32	TRIANGLE	2.000		2.400	1	2.000
33	REC	9.250	0.775		1	7.169
34	REC	9.750	0.185		1	8.629
35	AS/DETAIL			26.198	1	26.598
36	REC	7.100	1.400		1	10.650
37	TRAPEZIUM	9.955	5.700	0.550	1	4.305
TOTAL(B)						**11086.891**

NON FAR (D)

TYPE		WIDTH	LENGTH	VALUE	NOS	AREA (Sq.Mt.)
N1	REC	5.100	7.785		2	79.407
N2	REC	6.900	4.400		2	59.340
N3	REC	2.200	2.350		2	10.340
N4	REC	7.800	4.400		1	35.880
N5	REC	2.350	2.300		1	6.580
N6	REC	7.300	4.300		1	30.530
N7	REC	2.150	0.300		1	1.720
N8	REC	4.900	7.300		1	37.240
N9	REC	1.000	2.150		1	2.150
N10	REC	3.300	5.350		1	19.305
N11	REC	0.900	1.350		1	1.485
N12	REC	3.300	6.300		1	22.770
N13	REC	0.950	2.150		1	2.043
N14	REC	4.600	7.150		1	32.890
N15	REC	2.150	0.700		1	1.505
N16	REC	7.150	4.300		1	32.890
N17	REC	2.150	0.700		1	1.505
N18	REC	3.300	6.300		1	22.770
N19	REC	0.950	2.150		1	2.043
N20	REC	3.300	5.350		1	19.305
N21	REC	0.900	1.350		1	1.485
N22	REC	6.850	4.800		1	29.455
N23	REC	2.150	0.300		1	1.720
N24	REC	4.500	7.300		1	34.200
N25	REC	2.800	2.150		1	6.020
N26	REC	7.800	4.400		1	35.880
N27	REC	2.350	2.400		1	6.580
N28	REC	7.000	4.300		1	30.100
N29	REC	2.150	0.300		1	1.720
N30	REC	7.050	4.300		1	30.315
N31	REC	2.150	0.150		1	1.828
N32	REC	0.550	13.200		4	29.040
TOTAL(D)						**630.040**

SERVICE CUTOUT (C

TYPE		WIDTH	LENGTH	VALUE	NOS	AREA (Sq.Mt.)
B1	REC	1.750	0.750		2	2.625
B2	REC	2.450	0.825		2	4.043
B3	REC	1.300	1.530		2	3.322
B4	REC	0.950	1.630		2	3.059
B5	REC	1.300	1.790		2	3.918
B6	REC	1.300	0.600		2	1.320
B7	REC	0.750	1.200		2	1.800
B8	REC	0.750	3.500		2	5.250
B9	REC	1.900	0.850		1	1.615
B10	REC	1.460	0.850		1	1.241
C1	REC	2.400	0.900		1	2.160
C2	REC	2.300	0.900		1	2.070
C3	REC	2.700	0.900		1	2.430
C4	REC	1.200	0.850		1	1.020
C5	REC	1.690	0.850		1	1.437
C6	REC	1.150	3.950		1	4.543
C7	REC	1.150	3.950		2	9.085
D1	REC	2.175	0.600		2	2.610
D2	REC	1.200	0.750		1	0.900
D3	REC	1.400	0.750		1	1.050
D4	REC	1.850	0.750		1	1.388
D5	REC	11.450	1.025		1	11.736
D6	REC	1.400	0.750		1	1.050
D7	REC	5.450	1.100		4	23.980
E3	REC	0.600	4.800		1	2.880
E5	REC	0.600	2.000		1	1.200
E6	REC	1.000	1.450		1	1.450
E7	REC	1.000	1.650		1	1.650
E8	REC	1.000	1.000		2	2.000
E9	REC	0.950	3.350		1	3.183
E10	REC	2.100	2.550		1	5.355
F1	REC	0.700	1.875		1	1.313
F2	REC	0.700	1.925		1	1.348
F3	REC	3.700	1.000		1	3.700
F4	REC	4.350	1.000		2	9.100
F5	REC	1.100	1.100		1	1.210
F6	REC	4.080	0.750		1	3.062
F7	REC	1.400	0.750		1	1.050
F8	REC	3.350	0.950		1	3.183
F9	REC	1.200	0.650		1	0.780
F10	REC	1.100	1.200		1	1.320
F11	REC	1.100	1.850		1	2.035
F12	REC	1.200	0.650		1	0.780
G1	REC	0.750	1.625		2	2.438
G2	REC	1.100	0.900		1	0.990
G3	REC	3.850	1.100		2	8.470
G4	REC	5.800	0.900		1	5.220
G5	REC	1.050	6.650		1	6.983
G6	REC	1.050	1.200		1	1.260
G7	REC	3.850	1.100		1	4.235
H1	REC	1.200	0.600		1	0.720
H2	REC	2.250	0.500		1	1.125
H3	REC	2.450	0.800		1	1.960
H4	REC	2.350	0.500		1	1.175
H5	REC	1.250	5.185		1	6.479
H6	REC	1.775	0.800		1	1.420
H7	REC	3.575	1.000		1	3.575
H8	REC	1.375	0.800		1	1.100
H9	REC	1.850	0.800		1	1.480
H10	REC	1.200	0.800		1	0.960
H11	REC	6.450	1.000		1	6.450
H12	REC	13.203	3.400		1	44.880
J1	REC	3.050	0.950		1	2.898
J2	REC	2.250	0.500		1	1.125
J3	REC	1.775	0.500		1	2.929
J4	REC	2.400	0.500		1	1.200
J5	REC	2.450	0.800		1	1.960
J6	REC	1.600	0.600		1	0.960
J7	REC	1.250	1.300		1	1.625
J8	REC	1.250	0.600		1	0.750
J9	REC	1.650	1.450		1	2.393
J10	REC	4.450	1.000		1	4.450
J11	REC	3.400	13.200		2	89.760

THIRD FLOOR CALCULATION	
THIRD BUILTUP AREA	**A - (B+C)**
	11856.277
THIRD FLOOR NON FAR	**D**
	630.040
THIRD FLOOR FAR	**BUILT UP - NON FAR**
	11856.277 - 630.040
	11226.237

FORMULAS FOR AREA CALCULATION

SHAPE	FORMULA
RECTANGLE	LENGTH x WIDTH
TRAPEZIUM	(A + B) x H/2
TRIANGLE	1 x H/2
ELLIPSE	πAB
SECTOR	(θ/360°) × πR2
QUADRANT	(π R2) / 4
SEGMENT	(1/2) ×r2 (θ – Sin θ)

K1	REC	0.950	0.900		1	0.855
K2	REC	0.900	2.600		1	2.340
K3	REC	0.650	0.900		1	1.445
K4	REC	1.800	1.050		1	1.990
K5	REC	0.750	1.625		2	2.438
K6	REC	1.200	6.900		1	8.280
L1	REC	5.000	1.800		8	41.200
L2	REC	1.425	2.500		8	48.500
L3	REC	1.500	2.400		2	11.000
L4	REC	2.400	2.500		2	12.000
L5	REC	1.250	2.500		4	22.500
L6	REC	2.400	2.400		2	11.520
M1	REC	5.150	0.900		1	4.635
M2	REC	1.200	0.900		1	1.080
M3	REC	0.900	1.850		1	1.665
M4	REC	0.900	1.700		1	1.530
M5	AS/DETAIL			13.592	1	10.592
M6	REC	0.500	7.000		1	3.500
M7	REC	0.700	1.875		1	1.313
M8	REC	0.700	1.925		1	1.348
M9	REC	1.100	3.850		2	8.470
P1	REC	1.125	0.600		1	1.275
P2	REC	1.175	0.600		1	1.305
P3	REC	4.300	1.100		1	4.730
P4	REC	1.650	0.600		1	1.590
P5	REC	1.800	0.900		1	1.620
P6	REC	1.500	0.900		1	1.350
P7	REC	1.600	0.900		1	1.440
P8	REC	8.700	1.200		1	8.840
P9	REC	8.700	2.325		1	1.628
Q1	REC	8.900	0.850		1	8.765
Q2	REC	8.900	1.200		1	1.080
Q3	REC	8.900	0.900		1	8.810
Q4	REC	1.650	0.950		1	1.568
Q5	REC	1.050	4.850		1	5.093
Q6	REC	1.200	0.600		1	8.720
Q7	REC	1.100	0.600		1	8.660
Q8	REC	1.350	0.600		1	1.410
R1	REC	1.050	0.850		2	1.785
R2	REC	1.400	0.850		1	1.190
R3	REC	1.625	0.850		1	1.381
R4	REC	1.400	0.900		1	1.260
R5	REC	1.300	0.900		1	1.070
R6	REC	1.700	0.900		1	1.430
S1	REC	1.775	0.600		1	1.065
S2	REC	1.775	0.600		2	1.965
S3	REC	8.700	0.900		2	1.260
S4	REC	8.700	2.150		1	1.505
S5	REC	1.275	0.600		1	1.365
S6	REC	1.175	0.600		1	1.305
S7	REC	1.400	0.600		1	8.840
S8	REC	0.950	2.550		1	2.423
T1	REC	1.550	0.800		1	1.240
T2	REC	0.800	0.800		1	8.640
T3	REC	1.450	0.800		1	1.160
T4	REC	1.400	0.800		1	1.920
T5	REC	0.950	2.550		1	2.423
T6	REC	0.450	1.300		1	8.585
T7	REC	0.450	0.700		1	8.315
T8	REC	0.800	1.625		1	1.300
T9	REC	0.800	1.200		1	8.960
T10	REC	1.200	0.600		1	8.720
T11	REC	0.600	3.175		1	1.905
T12	REC	1.300	3.750		4	16.500
U1	REC	0.600	1.200		1	8.720
U2	REC	1.550	0.600		1	8.930
U3	REC	0.800	0.800		2	1.280
U4	REC	1.000	0.750		1	1.500
U5	REC	1.140	2.325		1	1.651
U6	REC	1.540	1.850		1	1.109
U7	REC	1.000	0.600		1	1.400
U8	REC	0.450	0.700		1	8.315
U9	REC	0.450	1.300		1	8.585
U10	REC	1.300	1.200		1	1.560
U11	REC	1.300	1.775		1	1.308
U12	REC	0.800	1.200		1	8.960
U13	REC	0.800	1.625		1	1.300
U14	REC	1.650	1.100		1	1.815
U15	REC	1.775	1.425		1	1.104
TOTAL (C)						**661.262**

LEGEND

- FAR AREA
- NON FAR AREA
- SERVICE CUTOUT

"This is a "PROVISIONAL BUILDING PLAN" approved only for the purpose of inviting objections from the general public."

STP (HQ) Town Planner B.P.A.C. | STP (G) Member B.P.A.C. | CTP (HQ) Chairman B.P.A.C.

DTP (HQ) | ATP (HQ)

AD | PA | ATP

Ram Avtar Saini (HQ)

NOTES:
1. ALL LIFTS SHALL HAVE 100%POWER BACKUP.
2. ALL ELECTRICAL INSTALLATIONS SHALL BE AS PER PROVISION OF NBC.
3. FIRE FIGHTING FACILITY PROVISIONS WILL BE AS PER NBC AND AS PER SERVICE PLAN.
4. BUILDING STRUCTURE DESIGNED EARTHQUAKE RESISTANT.
5. MAIN ENTRY & BOUNDARY WALL AS PER STANDARD DESIGN.
6. TOILET WILL BE MECHANICALLY VENILATED WITH 100% POWER BACKUP.

PROJECT:
PROPOSED BUILDING PLAN OF COMMERCIAL COLONY MEASURING 13.4378 HECTARES (LICENSE NO. 98 OF 2013 DATED 10.07.2013) IN SECTOR-36, GURUGRAM MANESAR URBAN COMPLEX BEING DEVELOPED BY ATHARVA INFRA PROJECTS LIMITED

OWNER SIGN

ARCHITECT SIGN

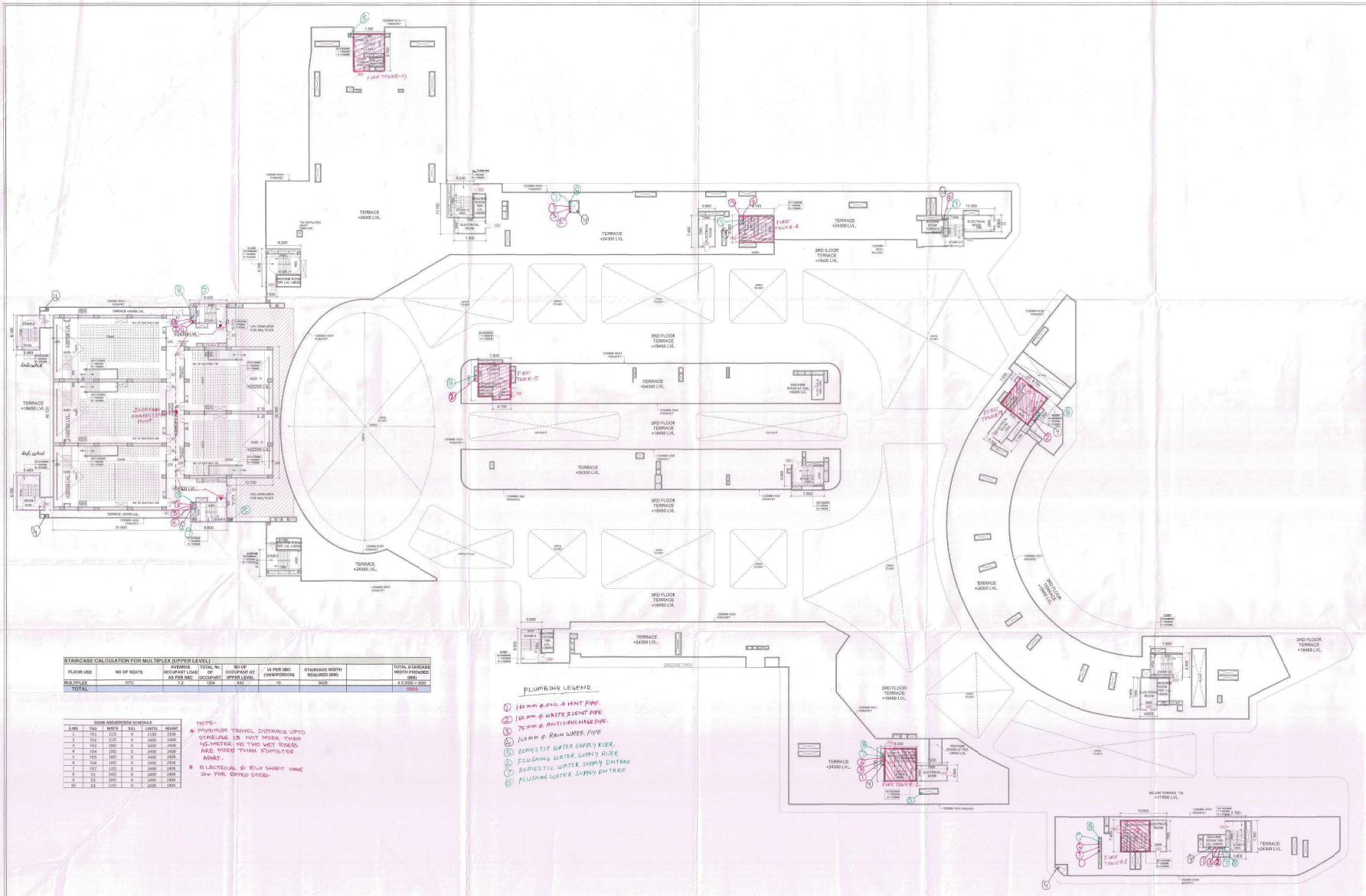
DRAWING TITLE:
THIRD FLOOR
FAR AND BUILT UP AREA CALCULATION

DATE:

SCALE:

SHEET NO: 4B

VORTH



DOOR AND WINDOW SCHEDULE					
S.NO	TAG	WIDTH	SILL	LINTEL	HEIGHT
1	FD1	2150	0	2100	2100
2	FD2	2330	0	2400	2400
3	FD3	2005	0	2400	2400
4	FD4	1550	0	2400	2600
5	FD5	1800	0	2400	2600
6	FD6	1050	0	2400	2600
7	FD7	1200	0	2400	2600
8	D1	2400	0	2400	2400
9	D2	2000	0	2400	2400
10	D3	1200	0	2400	2400

STAIRCASE CALCULATION FOR MULTIPLEX (UPPER LEVEL)							
FLOOR USE	NO OF SEATS	AVEARGE OCCUPANT LOAD AS PER NBC	TOTAL No. OF OCCUPANT	NO OF OCCUPANT AT UPPER LEVEL	I/S PER NBC (1MM/PERSON)	STAIRCASE WIDTH REQUIRED (MM)	TOTAL STAIRCASE WIDTH PROVIDED (MM)
MULTIPLEX	1070	1.2	1284	642	10	6420	4 X 2000 = 8000
TOTAL							8000

DOOR AND WINDOW SCHEDULE					
S.NO	TAG	WIDTH	SILL	LINTEL	HEIGHT
1	FD1	2130	0	2100	2100
2	FD2	2100	0	2400	2400
3	FD3	2005	0	2400	2400
4	FD4	1552	0	2400	2400
5	FD5	1852	0	2400	2400
6	FD6	1652	0	2400	2400
7	FD7	1252	0	2400	2400
8	D1	2452	0	2400	2400
9	D3	2052	0	2400	2400
10	D3	1252	0	2400	2400

NOTE:
* MINIMUM TRAVEL DISTANCE UPTO STAIRCASE IS NOT MORE THAN 45 METER. NO TWO WET SHAFTS ARE MORE THAN 50 METER APART.
* ELECTRICAL & ELV SHAFT HAVE 2hr FIRE RATED DOOR.

PLUMBING LEGEND

1. 160 mm ϕ SOIL & VENT PIPE.
2. 160 mm ϕ WASTE & VENT PIPE.
3. 75 mm ϕ ANTI-SIPHONAGE PIPE.
4. 160 mm ϕ RAIN WATER PIPE
5. DOMESTIC WATER SUPPLY RISER.
6. FLUSHING WATER SUPPLY RISER.
7. DOMESTIC WATER SUPPLY ON TAKE
8. FLUSHING WATER SUPPLY ON TAKE

FOURTH FLOOR PLAN

This is a "PROVISIONAL BUILDING PLANS" approved only for the purpose of inviting objections from the general public

S.T.P. (HQ) S.T.P. (S) CLUB HO
A.P.A.C. A.P.A.C. A.P.A.C.

AD PA RP

Ram Reddy
JE(OP)

Checked and found it as per the Plan submitted. Site work may be commenced in accordance with the approved plans.

Assistant Engineer (HQ)
Gram Panchayat

NOTES:
1. ALL LIFTS SHALL HAVE 100% POWER BACKUP.
2. ALL ELECTRICAL INSTALLATIONS SHALL BE AS PER I.E. RULES.
3. FIRE FIGHTING ARRANGEMENTS PROVISIONING WILL BE AS PER NATIONAL BUILDING CODE.
4. ALL WALLS SHALL BE PROVIDED EVERY 50 SQ.MTS WITH 300 THICK BRICK BOUNDARY WALL AS PER GTU NEW DCR RULE.
5. TOILET WILL BE MECHANICALLY VENTILATED WITH 100% POWER BACKUP.

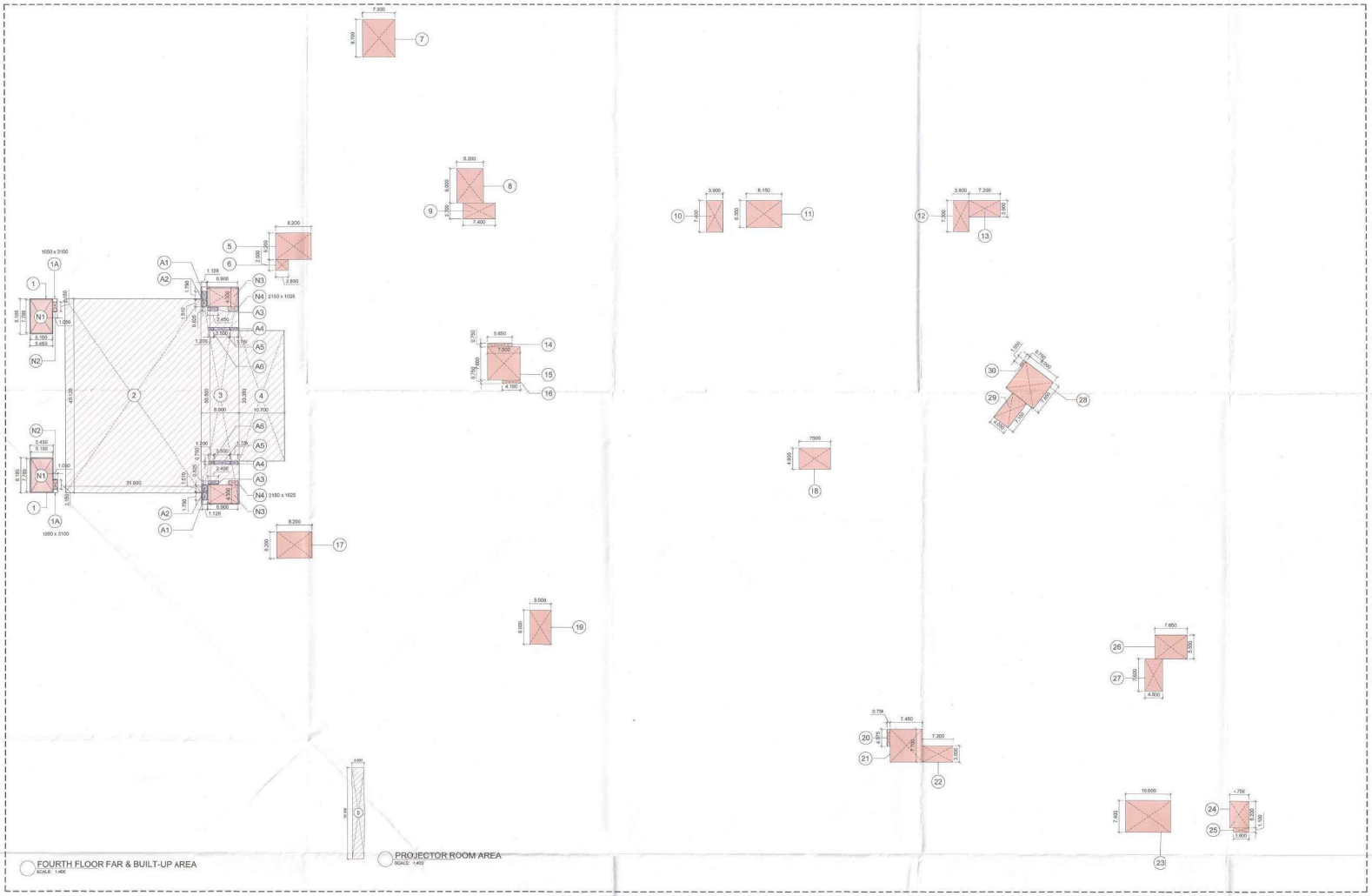
PROJECT:
PROPOSED MULTIPLEX OF COMMERCIAL COLOUR MUSEUMS, 5 SATELLITES LOCATED AT NO.P.S.R. 301 TO 305 & 307 TO 311 IN SECTION 46, SURVEY NO.PAIKI 1 TO 4 OF MOTERA REVENUE VILLAGE, TAL.DIST.GANDHINAGAR

OWNER SIGN

ARCHITECT SIGN

DRAWING TITLE:
FOURTH FLOOR PLAN

DATE:	SHEET NO.	NORTH
SCALE: 1:250	5A	



ENVELOPE ADDITION (A)

TYPE		WIDTH	LENGTH	HEIGHT /RADIUS/ VALUE	NOS	AREA (SqMt.)
1	REC	5.450	8.185		2	89.217
1A	REC	1.050	3.100		2	6.510
2	REC	31.600	45.120		1	425.792
3	REC	8.600	50.500		1	434.300
4	REC	10.700	30.350		1	324.745
5	REC	4.000	30.350		1	121.400
TOTAL (A)						2401.964

SERVICE CUTOUT (B)

TYPE		WIDTH	LENGTH	HEIGHT /RADIUS/ VALUE	NOS	AREA (SqMt.)
A1	REC	1.128	1.790		2	4.038
A2	REC	1.128	1.510		2	3.407
A3	REC	2.450	0.825		2	4.043
A4	REC	1.750	0.750		2	2.625
A5	REC	3.500	0.750		2	5.250
A6	REC	1.200	0.750		2	1.800
TOTAL (B)						21.162

NON FAR (C)

TYPE		WIDTH	LENGTH	HEIGHT /RADIUS/ VALUE	NOS	AREA (SqMt.)
N1	REC	5.100	7.785		2	79.407
N2	REC	1.050	2.150		2	4.515
N3	REC	6.900	4.300		2	59.340
N4	REC	2.150	1.050		2	4.515
TOTAL (C)						147.777

MUMTY MACHINE ROOM (D)

TYPE		WIDTH	LENGTH	HEIGHT /RADIUS/ VALUE	NOS	AREA (SqMt.)
5	REC	8.200	6.200		1	50.840
6	REC	2.850	2.500		1	7.125
7	REC	7.500	8.700		1	65.250
8	REC	6.200	8.000		1	49.600
9	REC	7.400	3.700		1	27.380
10	REC	3.900	7.400		1	28.860
11	REC	8.150	6.350		1	51.753
12	REC	3.800	7.300		1	27.740
13	REC	7.200	3.900		1	28.080
14	REC	5.650	0.750		1	4.238
15	REC	7.500	7.800		1	58.500
16	REC	4.150	0.750		1	3.113
17	REC	8.200	6.200		1	50.840
18	REC	7.500	4.900		1	36.750
19	REC	5.000	8.000		1	40.000
20	REC	0.750	4.075		1	3.056
21	REC	7.450	7.700		1	57.365
22	REC	7.200	3.800		1	27.360
23	REC	10.600	7.400		1	78.440
24	REC	4.750	6.200		1	29.450
25	REC	3.800	1.100		1	4.180
26	REC	7.650	5.550		1	42.458
27	REC	4.000	7.600		1	30.400
28	REC	8.000	7.650		1	61.200
29	REC	4.050	7.150		1	28.958
30	REC	0.750	1.550		1	1.163
TOTAL (D)						894.096

FOURTH FLOOR BUILTUP CALCULATION

FOURTH FLOOR BUILTUP AREA	A- B + D
	3274.897
FOURTH FLOOR NON FAR	C + D
	1041.873
FOURTH FLOOR FAR	A-(B+C)
	2213.024

This is a "PROVISIONAL BUILDING PLAN" approved only for the purpose of inviting objections from the general public.

C.T.P.(HQ) Delhi Sanjal B.P.A.C. | C.T.P.(G) Member B.P.A.C. | C.T.P.(HQ) Chairman B.P.A.C.

DT.P.(HQ) | ATP (HQ)

AD | PA | ATP

Ram Avtar Bassi (JD(HQ))

DT.P.(HQ) Member BPAC

LEGEND

- FAR AREA
- NON FAR AREA
- SERVICE CUTOUT

NOTES:
1. ALL LIFTS SHALL HAVE 100%POWER BACKUP.
2. ALL ELECTRICAL INSTALLATIONS SHALL BE AS PER PROVISION OF NBC.
3. FIRE FIGHTING&SAFETY PROVISIONS WILL BE AS PER RELEVANT NBC PROVISIONS.
4. BUILDING STRUCTURE DESIGNED EARTHQUAKE RESISTANT.
5. VENTILATION IN BASEMENT WILL AS PER STANDARD DESIGN.
6. TOILETS WILL BE MECHANICALLY VENTILATED WITH 100% POWER BACKUP.

PROJECT:
PROPOSED BASEMENT PLAN OF COMMERCIAL COLONY MEASURING 13.4725 ACRES LICENSE NO. 86 OF 2010 DATED 10.07.2010 IN SECTOR 26, GURUGRAM MANESAR URBAN COMPLEX BEING DEVELOPED BY ADVANCE INDIA PROJECTS LIMITED

OWNER SIGN

ARCHITECT SIGN

DRAWING TITLE:
FOURTH FLOOR
FAR AND BUILTP AREA CALCULATION

DATE:	SHEET NO	NORTH
SCALE:	58	