



REQUIRED STAIRCASE WIDTH LEVEL-2 CALCULATION:-

(INDOOR CYM & GOLF SW 186.9SQM/1.4) = 134 persons
 (BADMINTON 153.8 SQM/1.4) = 114 persons
 (SQUASH 65.27 SQM/1.4) = 47 persons
 (CARD ROOMS 49.2 SQM/1.4) = 35 persons
 (MINI THEATRE 44.47 SQM/1.4) = 32 persons
 (CIRCULATION SPACE 419.69 SQM 1 Person/10) = 42 persons

TO TAL = 404 persons

Required staircase width @ 10mm/person for 404 persons = 4040mm i.e. MINIMUM 4250 MM.
PROVIDED STAIRCASE WIDTH = 2000+2000+2000 = 6000MM

WATER SUPPLY LEGEND

DOMESTIC WATER RISER PIPE
 TOILETS WATER SUPPLY PIPE (TWS)
 HOT WATER SUPPLY PIPE (HWS)
 HOT WATER RETURN PIPE (HWR)
 HYDRO-PNEUMATIC DOMESTIC WATER PIPE (DWP)
 H.C. SYSTEM
 HEALTH FACILITY

PLUMBING LEGEND

100MM SOIL VERTICAL PIPE
 75MM SOIL VERTICAL PIPE
 100MM MAIN WATER PIPE FROM TRENCH
 DOMESTIC WATER DOWN TAKE PIPE
 DOMESTIC WATER HYDRO-PNEUMATIC PIPE
 SOIL PIPE
 FLUSHING WATER RISER PIPE
 40MM-DIAMETER AIR VALVE

ROOM SCHEDULE

NO.	ROOM	AREA (SQM)	PERSONS	REMARKS
1	LOBBY	100	100	
2	LOBBY	100	100	
3	LOBBY	100	100	
4	LOBBY	100	100	
5	LOBBY	100	100	
6	LOBBY	100	100	
7	LOBBY	100	100	
8	LOBBY	100	100	
9	LOBBY	100	100	
10	LOBBY	100	100	
11	LOBBY	100	100	
12	LOBBY	100	100	
13	LOBBY	100	100	
14	LOBBY	100	100	
15	LOBBY	100	100	
16	LOBBY	100	100	
17	LOBBY	100	100	
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19	LOBBY	100	100	
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37	LOBBY	100	100	
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92	LOBBY	100	100	
93	LOBBY	100	100	
94	LOBBY	100	100	
95	LOBBY	100	100	
96	LOBBY	100	100	
97	LOBBY	100	100	
98	LOBBY	100	100	
99	LOBBY	100	100	
100	LOBBY	100	100	

FAN AREA CALCULATION OF 2ND FLOOR COMMUNITY BUILDING

Sl. No.	Room	Length	Width	Area (sqm)
1	LOBBY	21.00	6.75	141.75
2	LOBBY	33.55	13.50	452.92
3	LOBBY	17.00	1.55	26.35
4	LOBBY	11.50	7.50	86.25
5	LOBBY	8.50	10.50	89.25
6	LOBBY	11.50	7.50	86.25
7	LOBBY	8.50	10.50	89.25
8	LOBBY	11.50	7.50	86.25
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10	LOBBY	11.50	7.50	86.25
11	LOBBY	8.50	10.50	89.25
12	LOBBY	11.50	7.50	86.25
13	LOBBY	8.50	10.50	89.25
14	LOBBY	11.50	7.50	86.25
15	LOBBY	8.50	10.50	89.25
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69	LOBBY	8.50	10.50	89.25
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72	LOBBY	11.50	7.50	86.25
73	LOBBY	8.50	10.50	89.25
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101	LOBBY	8.50	10.50	89.25
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144	LOBBY	11.50	7.50	86.25
145	LOBBY	8.50	10.50	89.25
146	LOBBY	11.50	7.50	86.25
147	LOBBY	8.50	10.50	89.25
148	LOBBY	11.50	7.50	86.25
149	LOBBY	8.50	10.50	89.25
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