***Calculating Occupancy in Places of Assembly***

**CHURCH CROOKHAM BAPTIST CHURCH DATE: April 2017**

The dimensions are listed below. Depending on the nature of the function or activity the occupancy maybe calculated from the table from the ***Merseyside Fire & Rescue Service Calculating Occupancy in Places of Assembly***

**Measurements.**

Foyer: 6.72 x 5.80 m - area= 38.976 m2

Sanctuary: 11.76 x 7.26 m - area= 85,377 m2

Hall: 10.13 x 8.45m - area= 85.598 m2

Total area of above: **209.951 m2**

The occupancy figure for any building is based on the lesser of the two following calculations;
1. The number of persons who can safely reside in the premises. Using the floor space factor below will assist in working this out. Number of people = Floor area (m2) / Occupant density

2. The width and capacity of the exit routes to allow people to escape safely. (See 3 Escape route capacity)

3. Seating & Gangways

Seating should be arranged to allow free and ready access direct to the exits. In fixed seating there should be a clear space of at least 305mm between rows. Gangways should be adequate for the number of seats served (see previous escape route capacity) and at least 1,050 mm wide. In general, no seat should be more than seven seats away from a gangway. If temporary seating is provided these should be secured in lengths of not fewer than four seats and not more than twelve.

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| Floor Space Factor  |
| Occupied Area Type  | Typical Occupant Density m2/person  |
| Standing spectator/audience area or \*bar area  | 0.3  |
| Assembly area, public house, dance floor or hall etc  | 0.5  |
| Dining area or restaurant  | 1.0  |
| Sports area  | 2.0  |
| Shop sales area  | 2.0  |
| Display, production or workshop area  | 5.0  |
| Office  | 6.0  |
| Shop (bulky goods) sales area  | 7.0  |

\*Note - Bar area is usually within 2m of a serving point. Further from the bar the occupancy for the main use of the room should be used eg assembly area.

Floor areas should consider useable space i.e. spaces where persons reside. Toilets, corridors and stairways do not count as useable space