



Ground Floor Plan

Fire Evacuation Key

- Existing wall to achieve min 60 minute fire rating (suitability of wall to be confirmed on site by Pure Gym Main Contractor)
- New wall to achieve min of 60min fire rating
- Protected areas: walls, floors, ceilings and doors to achieve 30minute fire resistant construction.
- Protected areas: walls, floors, ceilings and doors to achieve 60 minute fire resistant construction.

- 30 Occupancy level within area
- ▶ Fire Escape Route
- ↔ Minimum Clear Widths
1050 min
- 0 Exit No.
- Shared Escape Route

Escape Route Widths

In line with Sections 3.21 & 3.22 of 'Approved Document Part B, Volume 2 - buildings other than dwellings' - the adjacent calculations provide justification for the clear opening widths for escape from each floor level/ room in accordance with Table 4.5, Appendix C.

Ground Floor

Exit 1 Clear Opening Width = 100mm (largest opening to be discounted)
 Exit 2 Clear Opening Width = 850mm (allows 110 persons to escape)
 Exit 3 Clear Opening Width = 850mm (allows 110 persons to escape)

Total Aggregate Width for Floor (Less Largest Opening Width of 100mm from Exit 1) = 850mm

Ground Floor Total Estimated Occupancy Capacity = 208 Persons

Taking into account the clear opening widths of Exit 2 & 3 (after discounting Exit 1) this would allow a max. No. of 220 persons to escape in case of an emergency. This is larger than the total estimated occupancy capacity of 208 Persons and is therefore thought to meet with the Approved Document Part B.

Sprinklers

System design and installed in compliance with BS EN 12845:2015 & LPC Technical Bulletins

Fire Alarm

Fire Alarm designed and installed to BS 5839. Smoke & heat detection / emergency lighting by specialist. Please refer to M&E engineer's drawings / specifications.

Escape Lighting

Emergency escape lighted designed and installed in accordance with BS 5266: Part 1. Please refer to M&E Engineer's drawings for final layout and specification.

| Rev | Date | Description | Drawn/ Checked |
|-----|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| B | 04.02.19 | Existing method of access and escape for plant room to be retained. | EK/PG |
| A | 25.01.19 | FEP drawing updated to reflect the following Operations comments: Studio relocated in functional position, in the result of this functional has moved across to sit adjacent to studio. Boditrax relocated to accommodate space for stretch area. Spin relocated adjacent to plant room. | RSP/PG |

| PROJECT TITLE | | DRAWING TITLE | |
|---------------------------------------------|----------|--------------------------------------|-------------|
| Norwich, Copenhagen Way Norwich, NR3 2RY | | Fire Evacuation Plan Ground Floor | |
| DRAWING DATE | DATE | SCALE | ISSUE No. |
| IR/PG | 18.12.18 | 1:100 @ A1 | IA-LBF-023 |
| DRAWING PURPOSE | SCALE | ISSUE No. | DRAWING No. |
| CONSTRUCTION | | | GF-003-FEP |

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