



Mezzanine Floor Plan



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

**Escape Route Widths:**  
In line with section 2, sections 2.20, 2.21 & 3.22 of 'Approved Document Part B, Volume 2 - buildings other than dwellings' - the below calculations provide justification for the clear opening widths for escape from each floor level/ room in accordance with Table 4 & Appendix C.

**Ground Floor**  
Exit 1 Clear Opening Width = 1130mm (largest opening to be discounted)  
Exit 2 Clear Opening Width = 1107mm (allows 220 persons to escape)  
Total Aggregate Width for Floor (Less Largest Opening Width of 1130mm from Exit 1) = 1077mm  
Ground Floor Total Estimated Occupancy Capacity = 134 Persons  
Exit 3 provides a min. width of 1107mm and would allow a max. No. of 220 persons to escape, which is larger than the total estimated occupancy capacity of 134 Persons and is therefore thought to meet with the Approved Document Part B.

**Mezzanine Floor**  
Exit 3 Clear Opening Width = 1338mm (allows 220 persons to escape)  
Exit 4 Clear Opening Width = 1338mm (largest opening to be discounted)  
Total Aggregate Width for Floor (Less Largest Opening Width of 1338mm from Exit 4) = 1338mm  
Ground Floor Total Estimated Occupancy Capacity = 96 Persons  
Exit 4 provides a min. width of 1338mm and would allow a max. No. of 220 persons to escape, which is larger than the total estimated occupancy capacity of 96 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 lighting designed and installed in accordance with BS 5266: Part 1. Please refer to M&E Engineer's drawings for final layout and specification.

**Smoke Extract**  
Smoke Extract System to be designed and installed in accordance with BS 7346: Part 8. Please refer to M&E Engineer's drawings for final layout and specification.

| Rev  | Date     | Description  | Drawn/Checked |
|--|----------|--|---------------|
|  |          |  |               |
| PROJECT TITLE  |          | DRAWING TITLE  |               |
| Romford  |          | Means Of Escape Plan   |               |
| Unit 10, The Brewery, Brewery Walk, 10 Waterloo Road, Havering, Greater London, RM11 1AU |          | Ground Floor and Mezzanine   |               |
| DRAWN/ISSUED BY  | DATE     | SCALE  | DRAWING No.   |
| MC/PG  | 13/09/19 | 1:100 @ A1   | 003           |
| DRAWING PURPOSE  |          |  |               |
| CONSTRUCTION   |          |  |               |
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