



Occupany level within area

Copy line & text to plan
Add additional vertices as req.
'REGEN' to update length
Edit linetype scale & Global Width as req. to suit plan

6.3m SINGLE DIRECTION POINT X

SINGLE DOOR TO BE LOCKED TO MAINTAIN COMPARTMENT AND

TOTAL 6.3m POINT X

OMITTED FROM FE STRATEGY

ESCAPE FROM SECOND

Existing wall to achieve min 30 minute fire rating (suitability of wall to be confirmed on site by Pure Gym Main Contractor

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 30min fire rating

New wall to achieve min of 30min fire rating

New wall to achieve min of 60min fire rating

Protected areas: walls, floors, ceilings and doors to achieve 30minute fire resistant construction.

FDX

Fire Door Rating

Fire Evacuation Key

Protected areas: walls, floors, ceilings and doors to achieve 60 minute fire resistant construction.

Escape Route Widths:
In line with Sections 3.21 & 3.22 of 'Approved Document Part B, Volume 2 – buildings other than dwellinghouses' – the adjacent 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 is restricted by 1A.

Ground Floor

Exit 1 is restricted by 1A.

Exit 1 is restricted by 1A.

Exit 1 A Clear Opening Width = 1120mm (allows 244 persons to escape)

Exit 2 Clear Opening Width = 1665mm (allows 243 persons to escape)

Exit 3 Clear Opening Width = 1940mm (allows 398 persons to escape)

Exit 3 Clear Opening Width = 1940mm (allows 398 persons to escape, largest opening to be discounted)

Ground Floor + Annex Total Estimated Occupancy Capacity =477 Persons

Smoke Extract

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.

Smoke Extract
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.

Escape Signage and emergency lighting is CDP under the M&E specification. Details of contractors proposals to be provided to Building Control Approved Inspector and Fire Officer within the Contractors Proposals Package, Clause 1.4

Ground Floor + Annex Total Estimated Occupancy Capacity =477 Persons

Based on a NIA of 18922 sqft, the Puregym Peak Occupancy Target = 372 Persons
Calculated using Puregym Fire Safety Occupancy Levels Forecast Tool.

The designed occupancy of the unit as calculated above would allow a max No. of 477 persons to escape, which is larger than the total estimated occupancy capacity of 372 Persons and is therefore thought to meet with the Approved Document Part B.