



Fire Evacuation Key

- 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 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
- D 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 & Appendix C.

Ground Floor
 Exit A Clear Opening Width = 117mm (allows 233 persons to escape, largest opening to be discounted)
 Exit B Clear Opening Width = 888mm (allows 110 persons to escape)
 Exit C Clear Opening Width = 856mm (allows 110 persons to escape)
 Exit D Clear Opening Width = 876mm (allows 110 persons to escape)
 Exit E Clear Opening Width = 866mm (allows 110 persons to escape)
 Exit F Clear Opening Width = 866mm (allows 110 persons to escape)

Ground Floor Total Estimated Occupancy Capacity = 550 Persons
 Exits B-F would allow a max. No. of 550 persons to escape, which is larger than the total estimated occupancy capacity of 550 Persons and is therefore thought to meet with the Approved Document Part B.

First Floor
 Exit G Clear Opening Width = 856mm (allows 110 persons to escape)
 Exit H Clear Opening Width = 856mm (allows 110 persons to escape)
 Exit J Clear Opening Width = 888mm (allows 110 persons to escape, largest opening discounted)

First Floor Total Estimated Occupancy Capacity = 220 Persons
 Exits G and H would allow a max. No. of 220 persons to escape, which is larger than the total estimated occupancy capacity of 109 Persons and is therefore thought to meet with the Approved Document Part B.

Final Exits
 Exit 1 Clear Opening Width = Restricted at Exit A to 117mm (allows 233 persons to escape)
 Exit 2 Clear Opening Width = 160mm (allows 340 persons to escape, largest opening to be discounted)
 Exit 3 Clear Opening Width = 894mm (allows 110 persons to escape)
 Exit 4 Clear Opening Width = 888mm (allows 110 persons to escape)

Exit 2 is served by Exits B, C and J. The capacity of the final exit is in excess of the sum of each individual exit so is considered to be acceptable.
 Exit 4 is served by Exits D, E, F, G and H. The capacity of the final exit is limited to 110 persons but is served by cellular spaces at Ground and First Floor. Due to the occasional use of these spaces (such as changing, studio and break rooms) and alternative exits available, the escape capacity is considered to be sufficient. It should also be noted that this is no different to the existing scenario as the occupancies have not changed.

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

Escape Lighting
 Emergency escape lighting designed and installed in accordance with BS 5266: Part 1. Please refer to MSE Engineer's drawings for final layout and specification.

Escape Signage and emergency lighting is CDP under the MSE specification. Details of contractors proposals to be provided to Building Control Approved Inspector and Fire Officer within the Contractors Proposals Package, Clause 14.

Rev	Date	Description	Drawn/Checked

PROJECT TITLE
 Liverpool, Aintree
 Grand National Avenue, Omskirk Rd, Aintree, Liverpool L9 5BD

DRAWING TITLE
 Means Of Escape Plan
 Ground & Mezzanine Floor Plans

DRAWN / CHECKED	DATE	SCALE	JOB No.	DRAWING No.
IR/PG	28.01.22	1:100 @ A1	0617	003

DRAWING PURPOSE
 CONSTRUCTION

Rev
 C00

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