



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)		Occupancy level within area
	Existing wall to achieve min 60 minute fire rating (suitability of wall to be confirmed on site by Pure Gym Main Contractor)		Fire Escape Route
	New wall to achieve min of 30min fire rating		Minimum Clear Widths
	New wall to achieve min of 60min fire rating		Exit No.
	Protected areas: walls, floors, ceilings and doors to achieve 30minute fire resistant construction.		Shared Escape Route
	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 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 1 Clear Opening Width = 1060mm (allows 222 persons to escape)
 Exit 2 Clear Opening Width = 1822mm (allows 374 persons to escape, largest opening to be discounted)
 Exit 3 Clear Opening Width = 850mm (allows 110 persons to escape)

Total Aggregate Width for Floor (Less Largest Opening Width of 1822mm from EXIT NO 2) = 1910mm
 Ground Floor Total Estimated Occupancy Capacity = 123 Persons
 Exit No. 1 and 3, provides a min. width of 1910mm and would allow a max. No. of 332 persons to escape, which is larger than the total estimated occupancy capacity of 123 Persons and is therefore thought to meet with the Approved Document Part B.

Mezzanine Floor:
 Exit 6 Clear Opening Width = 1338mm (allows 277 persons to escape)
 Exit 7 Clear Opening Width = 1338mm (allows 277 persons to escape)

Total Aggregate Width for Floor (Less Largest Opening Width of 1338mm from EXIT NO 7) = 1338mm
 Mezzanine Floor Total Estimated Occupancy Capacity = 86 Persons

Width No. of persons / min. width of 1338mm and would allow a max. No. of 277 persons to escape, which is larger than the total estimated occupancy capacity of 86 Persons and is therefore thought to meet with the Approved Document Part B (2.11+603)/B5
 N=110 and S=1.4m
 Rear stair core exit: 1.828m clear
 W=1.6m minimum width required

Total Building:
 Total estimated occupancy: 209
 Total fire capacity: 609

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.

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

Mezzanine - is to be designed and installed by LL to achieve a min of 1hr fire protection to structure. Details to be

CO2	20/07/22	Acoustic underlays removed in Functional, Studio & Freeweights. Ramps removed and fillet ramps added where required.	HB
CO1	20/06/22	Updated to include existing column at mezzanine edge as identified on site. Position of mezzanine column updated as per site condition.	HB
Rev	Date	Description	Drawn/ Checked
PROJECT TITLE		DRAWING TITLE	
Chippenham		Means Of Escape Plan	
Unit 18, Foundry Lane, Hethway Retail Park, Chippenham, SN15 1JG		Ground and Mezzanine Floor Plans	
SK/CS	20.07.22	SCALE	JOB No.
DRAWN / CHECKED	DATE	1:100 @ A1	1091
DATE OF ISSUE	20.07.22	DRAWING No.	003-MOEP
CONSTRUCTION		Rev	
		C02	

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