



Fire Evacuation Key

	Existing wall to achieve 60 minute fire resistance (to be confirmed on site by Pure Gym Main Contractor)		Occupancy level within area
	New wall to achieve min of 60min fire rating		Fire Escape Route
	Protected areas: walls, floors, ceilings and doors to achieve 30minute fire resistant construction.		Minimum Clear Widths
	Protected areas: walls, floors, ceilings and doors to achieve 60 minute fire resistant construction.		Exit No.
			Shared Escape Route

Escape Route Widths
 To be in accordance with BS 5839-1:2017 Approved Document Part 8, Volume 2: Buildings other than dwellings. The above 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 Total Opening Width = 850mm (allowing persons to escape)
 Exit 2 Clear Opening Width = 1000mm (largest opening to be discounted)

Total Aggregate Width for Floor Level (largest opening width or 1000mm from Calc 1) = 850mm
 Ground Floor Total Estimated Occupancy Capacity = 487 Persons

Exit 1 provides a min. width of 850mm and would allow a max. No. of 10 persons to escape, which is larger than the total estimated occupancy capacity of 10 persons and is therefore through to meet with the Approved Document Part 8.

Speakers
 System design and installed in compliance with BS EN 1842205 LPC Technical Bulletin

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 for specifications.

Emergency Lighting
 Emergency 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 1. Please refer to M&E Engineer's drawings for final layout and specifications.

Barnstaple		File Evacuation Plan	
Unit 5, Anchor Wood Retail Park, EX31 2AA		Ground and Mezzanine Floor	
MC/PG	11/07/19	1:50 @ A0	IA-SBF-011 000 - FEP
CONSTRUCTION		A	

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