



Proposed Fire Evacuation Plan - Ground Floor
1:50

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 30min 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
1050 mm
- 0 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 1 Clear Opening Width = 1450mm (allows 220 persons to escape)
 Exit 2 Clear Opening Width = 1650mm (largest opening to be discounted)
 Total Aggregate Width for Floor (Less Largest Opening Width of 1650mm from Exit 2) = 1450mm
 Ground Floor Total Estimated Occupancy Capacity = 158 Persons
 Exit 1 provides a min. width of 1450mm and would allow a max. No. of 220 persons to escape, which is larger than the total estimated occupancy capacity of 158 Persons and is therefore thought to meet with the Approved Document Part B.

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.

Rev	Date	Description	Drawn/ Checked
PROJECT TITLE			
Saffron Walden		Proposed Fire Evacuation Plan	
Unit 3, Knight RP, Thaxted Road, CB10 2UR		Ground Floor	
DRAWING No.			
IR/PG	10.07.19	1:50 @ A1	IA-SBF-010 G-003-FEP
DRAWING PURPOSE			
CONSTRUCTION			
		Pure Gym Ltd Town Centre House The Merlion Centre Leeds LS2 8LY e: architecture@puregym.com t: 0113 285 8787 w: www.puregym.com	