



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 = 1050mm (allows 220 persons to escape, largest opening discounted)
 Exit 2 Clear Opening Width = 800mm (allows 60 persons to escape)
 Exit 3 Clear Opening Width = 800mm (allows 60 persons to escape)
 Exit 4 Clear Opening Width = Not signed as fire exit from club (Escape from plant room)
 Exit 5 Clear Opening Width = 800mm (allows 60 persons to escape)

Total Aggregate Width for Floor (Less Largest Opening Width of 1050mm from EXIT NO 1) = 2400mm
 Ground Floor Total Estimated Occupancy Capacity = 180 Persons

EXIT NO 2, 3 and 5 provides a min. width of 2400mm and would allow a max. No. of 180 persons to escape, which is larger than the total estimated occupancy capacity of 175 Persons and is therefore thought to meet with the Approved Document Part B.

Mezzanine
 Exit 6 Clear Opening Width = 800mm (allows 60 persons to escape)
 Total Aggregate Width for Floor = 800mm
 Mezzanine Total Estimated Occupancy Capacity = 60 Persons

EXIT NO 5 provides a min. width of 800mm and would allow a max. No. of 60 persons to escape, which is the same as the total estimated occupancy capacity of 60 Persons and is therefore thought to meet with the Approved Document Part B.

Total Estimated Occupancy: 235
 Total Maximum Capacity: 240

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.

Rev	Date	Description	Drawn	Checked
PROJECT TITLE Southampton Shirley Retail Park Unit A, 231-239 Winchester Rd, Southampton, SO16 6TP				
DRAWING TITLE Fire Evacuation Plan Ground & Mezzanine Floor Plans				
DRAWN / CHECKED	DATE	SCALE	JOB No.	DRAWING No.
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DRAWING PACKAGE				
AS BUILT				
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