



Ground Floor Fire Evacuation Plan  
1:100

**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)		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.
			Fire 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 = 850mm (allowing 10 persons to escape)  
Exit 2 Clear Opening Width = 1100mm (largest opening to be discounted)  
Total Aggregate Width for Floor (Less Largest Opening Width of 1100mm from Exit 2) = 850mm  
Ground Floor Total Estimated Occupancy Capacity = 107 Persons  
Exit 1 provides a min. width of 850mm and would allow a max. No. of 110 persons to escape, which is larger than the total estimated occupancy capacity of 107 Persons and is therefore thought to meet with the Approved Document Part B.

**Sprinklers**  
System design and installed in compliance with BS EN 12845:2015 & LPC Technical Bulletins

**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 lighted 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/	Check
B	29.01.19	Updated following internal GA review.	AT	PG
A	24.01.19	Updated in line with latest GA information.	AT	PG

<b>PROJECT TITLE</b>		<b>DRAWING TITLE</b>	
LBF - Eastgate Shopping Centre		Fire Evacuation Plan	
Southernhay, Basingdon, Essex SS14 1EB		Ground Floor	
<b>DRAWN</b>	<b>DATE</b>	<b>SCALE</b>	<b>ISSUE No.</b>
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<b>DRAWING PURPOSE</b>	<b>DATE</b>	<b>ISSUE No.</b>	<b>DRAWING No.</b>
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