



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/room in accordance with Table 4 & Appendix C.

Ground Floor
 Exit A Clear Opening Width = 1060mm (allows 222 persons to escape, largest opening to be discounted)
 Exit B Clear Opening Width = 965mm (allows 110 persons to escape)
 Exit C Clear Opening Width = 965mm (allows 110 persons to escape)
 Total Aggregate Width for Floor (Less Largest Opening Width of 1060 from EXIT A) = 1930mm
 Ground Floor Total Estimated Occupancy Capacity = 220 Persons

Mezzanine Floor
 Exit D Clear Opening Width = 1055mm (allows 220 persons to escape, largest opening to be discounted)
 Exit E Clear Opening Width = 965mm (allows 110 persons to escape)
 Exit F Clear Opening Width = 1055mm (allows 110 persons to escape)
 Total Aggregate Width for Floor (Less Largest Opening Width of 1065 from EXIT D) = 1730mm
 Mezzanine Floor Total Estimated Occupancy Capacity = 170 Persons

Final Exits
 Exit 1 Clear Opening Width = 1454mm (allows max 222 from Exit A to escape)
 Exit 2 Clear Opening Width = 1528mm (allows 315 persons to escape)
 Exit 3 Clear Opening Width = 1528mm (allows 315 persons to escape)

Existing Mezzanine structure and connections to be confirmed to achieve 1hr. Intumescent paint to be maintained.

Exit 1 provides escape for the Ground Floor only and is sufficient to accommodate 222 persons
 Exit 2 provides escapes for both floors and has a Clear Opening Width of 1528mm. Based on a merging flow calculation $W = ((110/2.5) + (60 \times 2) / 80) + 140$ mm the exit width is larger and deemed sufficient.
 Exit 3 provides escapes for both floors and has a Clear Opening Width of 1528mm. Based on a merging flow calculation $W = ((110/2.5) + (60 \times 2) / 80) + 140$ mm the exit width is larger and deemed sufficient.

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 14.

Mezzanine CDP: Any new mezzanine structure including deck, edge and column connections to be 60mm FR using a boarded solution to suit part B and fire compartmentation. Ceiling to be clear and flat to receive decoration. Service penetrations to be coordinated and fire stopped. Contractor to submit proposals for design to be reviewed by building control and fire service. All M&E to be coordinated in to be coordinated in conjunction with PG to prevent clashes with high level kit and signage. Existing mezzanine and fireproofing to be incorporated into FRA for PG.

Rev	Date	Description	Drawn/Checked

PROJECT TITLE
 Bath, Victoria Park
 Upper Bristol Road, Bath, BA1 3AT

DRAWING TITLE
 Means Of Escape Plan
 Ground Floor & Mezzanine Floor

SK/CS	DATE	SCALE	ISS No.	DRAWING No.
SK/CS	11.11.21	1:100 @ A1	2063	003

DRAWING PURPOSE
 CONSTRUCTION

Rev
 C01

Pure Gym Ltd
 Town Centre House
 The Merrion Centre
 Leeds
 LS2 8LY

www.puregym.com
 t: 0113 285 0787
 w: www.puregym.com