



KEY

- NEW WALL TO ACHIEVE 60 MINUTE FIRE RATING
- EXISTING WALL TO ACHIEVE 120 MINUTE FIRE RATING TO ROOF STEEL WORK UP TO 1.7m FROM CENTER LINE OF EXISTING COMPARTMENT WALL.
- PROTECTED AREAS: WALLS, FLOORS, CEILINGS AND DOORS TO ACHIEVE 30 MINUTE FIRE RESISTANT CONSTRUCTION.
- AREA OF SPECIAL FIRE RISK: WALLS / FLOORS / CEILINGS AND DOORS TO ACHIEVE 60 MINUTE RESISTANT CONSTRUCTION.
- FIRE ESCAPE ROUTE
- OCCUPANCY LEVEL WITHIN AREA
- EXIT NO.

Escape Route Widths

In line with Section 2.9.8 of the Technical Handbook - Non Domestic, the aggregate unobstructed width in mm of all escape routes from a room, or storey, should be at least 5.3 x the occupancy capacity of the room or storey.

Ground Floor

Aggregate Clear Opening Width of Escape Routes Calculation:
 Exit 1 = 1107mm
 Exit 2 = 1538mm
 Exit 3 = 1431mm
 Exit 4 = 971mm

Total Aggregate Width for Storey (Less Largest Opening Width 1538mm) = 3509mm

Ground Floor Estimated Occupancy Capacity = 103
 5.3 x 103 = 545.9

The approximate aggregate unobstructed width of 3509mm is higher than (5.3 x occupancy capacity) 545.9 and is therefore thought to be meet with Section 2.9.8 of the Technical Handbook.

First Floor

Aggregate Clear Opening Width of Escape Routes Calculation:
 Exit 5 = 1538mm
 Exit 6 = 965mm
 Exit 7 = 965mm
 Exit 8 = 965mm

Total Aggregate Clear Opening Width for Storey (Less Largest Opening Width 1538mm) = 2695mm

Mezzanine Floor Estimated Occupancy Capacity = 147
 5.3 x 147 = 779.1

The approximate aggregate unobstructed clear opening width of 2695mm is higher than (5.3 x occupancy capacity) estimated occupancy capacity of 779.1 and is therefore thought to be meet with Section 2.9.8 of the Technical Handbook.

Rev	Date	Description	Drawn/Checked
D	06.08.18	Escape route shown to exit out onto place of safety service yard. Further details added. 120 min resisting existing compartment walls shown.	LM/PG
C	31.07.18	Escape route widths to exit No.'s 7 & 8 increased. Travel distances and occupancy No.'s amended following updates to floor layouts.	LM/PG
B	11.04.18	Hatching amended.	EK/PG
A	09.04.18	Following review with external specialist evacuation route from studio amended and travel distances & angles altered to suit throughout.	LM/PG

LBF - Fort Kinnaird Retail Park Fire Evacuation Plan
 Edinburgh Ground and Mezzanine Floors

DRAWN / CHECKED	DATE	SCALE	JOB No.	DRAWING No.
LM/PG	15/02/2018	1:100 @ A1	IA-LBF-007	003

CONSTRUCTION

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