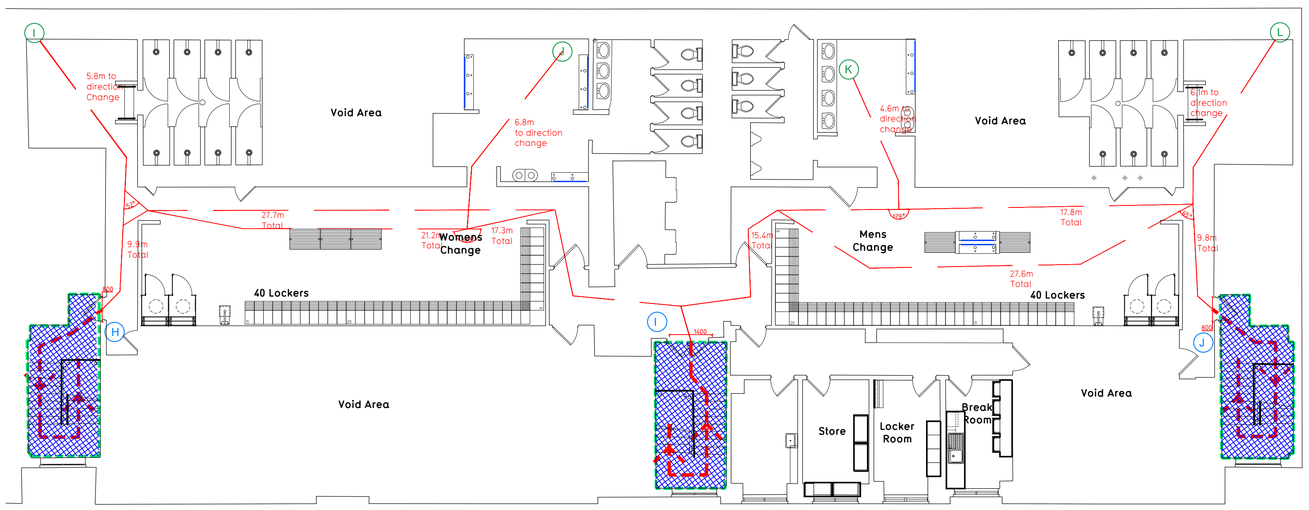
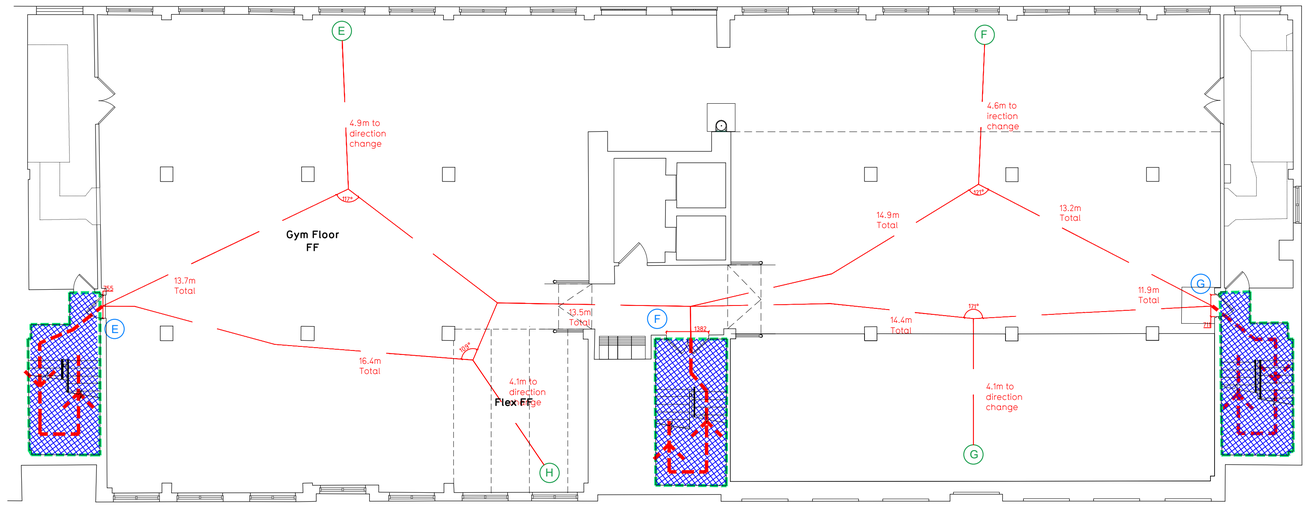


Proposed Second Floor Plan



Proposed First Floor Plan

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
- 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
- New wall to achieve min of 60min 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.
- Fire Escape Route
- 1050 min — Minimum Clear Widths
- 0 — Exit No.
- Shared Escape Route

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.

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 1.4

NOTE:

- Proposals must comply with all acoustic, fire & building regulation requirements
- No dimensions are to be scaled from this drawing. The contractor is responsible for checking all dimensions on site

NOTE

Refurbishment proposals will not affect the existing fire escape strategy.

Escape Route Widths:
In line with Sections 3.21 & 3.22 of 'Approved Document Part B, Volume 2 - buildings other than dwellinghouses' - the adjacent calculations provide justification for the clear opening widths for escape from each floor level/ room in accordance with Table 4 & Appendix C.

Basement
Exit A Clear Opening Width = 800mm (allows 110 persons to escape)

Total Aggregate Width for Floor = 800mm
Basement Total Estimated Occupancy Capacity = 10 Persons

Exit A provides a min. width of 800mm and would allow a max. No. of 110 persons to escape, which is larger than the total estimated occupancy capacity of 10 Persons and is therefore thought to meet with the Approved Document Part B.

Ground Floor
Exit B Clear Opening Width = 800mm (allows 110 persons to escape)
Exit C Clear Opening Width = 1126mm (allows 220 persons to escape, largest opening to be discounted)
Exit D Clear Opening Width = 800mm (allows 110 persons to escape)

Total Aggregate Width for Floor (Less Largest Opening Width of 1126mm from Exit C) = 1600mm
Ground Floor Total Estimated Occupancy Capacity = 90 Persons

Exit B and Exit D both provide a min. width of 800mm and would allow a max. No. of 220 persons to escape, which is larger than the total estimated occupancy capacity of 90 Persons and is therefore thought to meet with the Approved Document Part B.

First Floor
Exit E Clear Opening Width = 800mm (allows 110 persons to escape)
Exit F Clear Opening Width = 1400mm (allows 220 persons to escape, largest opening to be discounted)
Exit G Clear Opening Width = 800mm (allows 110 persons to escape)

Total Aggregate Width for Floor (Less Largest Opening Width of 1400mm from Exit F) = 1600mm
First Floor Total Estimated Occupancy Capacity = 90 Persons

Exit E and Exit G both provide a min. width of 800mm and would allow a max. No. of 220 persons to escape, which is larger than the total estimated occupancy capacity of 90 Persons and is therefore thought to meet with the Approved Document Part B.

Second Floor
Exit H Clear Opening Width = 800mm (allows 110 persons to escape)
Exit I Clear Opening Width = 1400mm (allows 220 persons to escape, largest opening to be discounted)
Exit J Clear Opening Width = 800mm (allows 110 persons to escape)

Total Aggregate Width for Floor (Less Largest Opening Width of 1400mm from Exit I) = 1600mm
First Floor Total Estimated Occupancy Capacity = 90 Persons

Exit H and Exit J both provide a min. width of 800mm and would allow a max. No. of 220 persons to escape, which is larger than the total estimated occupancy capacity of 90 Persons and is therefore thought to meet with the Approved Document Part B.

Position A:
Total escape to nearest final exit door A = 11.7m
This is less than the maximum travel distance of 18m and thus complies.

Position B:
Total escape to nearest final exit B = 30.5m
Distance before divergence is 16.2m
A.O.D to be > (2.5x16.2) + 45 = 85.5°
Drawn A.O.D = 180°

Position C:
Total escape to nearest final exit D = 14.1m
Distance before divergence is 9.2m
A.O.D to be > (2.5x9.2) + 45 = 63.4°
Drawn A.O.D = 88°

Position D:
Total escape to nearest final exit B = 12.6m
Distance before divergence is 9.8m
A.O.D to be > (2.5x9.8) + 45 = 69.5°
Drawn A.O.D = 180°

Position E:
Total escape to nearest final exit E = 13.7m
Distance before divergence is 4.9m
A.O.D to be > (2.5x4.9) + 45 = 57.25°
Drawn A.O.D = 117°

Position F:
Total escape to nearest final exit G = 13.2m
Distance before divergence is 4.6m
A.O.D to be > (2.5x4.6) + 45 = 56.5°
Drawn A.O.D = 121°

Position G:
Total escape to nearest final exit F = 14.4m
Distance before divergence is 4.1m
A.O.D to be > (2.5x4.1) + 45 = 55.25°
Drawn A.O.D = 171°

Position H:
Total escape to nearest final exit E = 16.4m
Distance before divergence is 4.1m
A.O.D to be > (2.5x4.1) + 45 = 55.25°
Drawn A.O.D = 103°

Position I:
Total escape to nearest final exit H = 9.9m
Distance before divergence is 5.8m
A.O.D to be > (2.5x5.8) + 45 = 59.5°
Drawn A.O.D = 52°

Position J:
Total escape to nearest final exit I = 17.3m
Distance before divergence is 6.8m
A.O.D to be > (2.5x6.8) + 45 = 62°
Drawn A.O.D = 168°

Position K:
Total escape to nearest final exit I = 15.4m
Distance before divergence is 4.6m
A.O.D to be > (2.5x4.6) + 45 = 56.5°
Drawn A.O.D = 175°

Position L:
Total escape to nearest final exit J = 9.8m
Distance before divergence is 6.1m
A.O.D to be > (2.5x6.1) + 45 = 60.25°
Drawn A.O.D = 65°

Rev	Date	Description	Drawn/ Checked
C02	29.08.23	Issued fro construction post PCI 24.09.23	OT/WLT
C01	25.05.23	Updated for PCI	OT/WLT
C00	06.04.23	Issued for Construction	OT/WLT

PROJECT TITLE
Putney Refurb
154-160 Upper Richmond Rd, London, SW15 2SW

DRAWING TITLE
Fire Evacuation Plan
First and Second Floor Plans

DRAWN / CHECKED	DATE	SCALE	JOB No	DRAWING No
OT/WLT	31.03.23	1:100 @ A1	0062	FF_SF-003-FEP

DRAWING PURPOSE: CONSTRUCTION — Rev: C02

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