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

Escape Route Widths:
Within the scope of the refurbishment no alterations are proposed to the existing fire exits, travel distances and escape routes. The below is a summary of the existing building condition in line with Sections 3.21 & 3.22 of 'Approved Document Part B, Volume 2 - buildings other than dwelling houses' - the adjacent calculations provide justification for the clear opening widths for escape from each floor level/room in accordance with Table 4 & Appendix C.

Exit 1 is restricted by A. Exit A Clear Opening Width = 1162mm (allows 242 persons to escape, largest opening to be discounted)
Exit 2 Clear Opening Width = 934mm (allows 110 persons to escape)
Exit 3 Clear Opening Width = 822mm (allows 60 persons to escape)
Exit 4 Clear Opening Width = 812mm (allows 60 persons to escape)
Exit 5 Clear Opening Width = 833mm (allows 60 persons to escape)
Exit 6 Clear Opening Width = 817mm (allows 60 persons to escape)
Exit 7 Clear Opening Width = 817mm (allows 60 persons to escape)

Total Aggregate Width for Floor (Less Largest Opening Width of 1162mm from Exit 2 = 5035mm

Total = 410 persons to escape

Based on a NIA of 16,033 sqft, the Puregym Peak Occupancy Target = 246 Persons
Calculated using Puregym Fire Safety Occupancy Levels Forecast Tool.

The designed occupancy of the unit as calculated above would allow a max. No. of 410 persons to escape, which is larger than the total estimated occupancy capacity of 246 Persons and is therefore thought to meet with the Approved Document Part B.

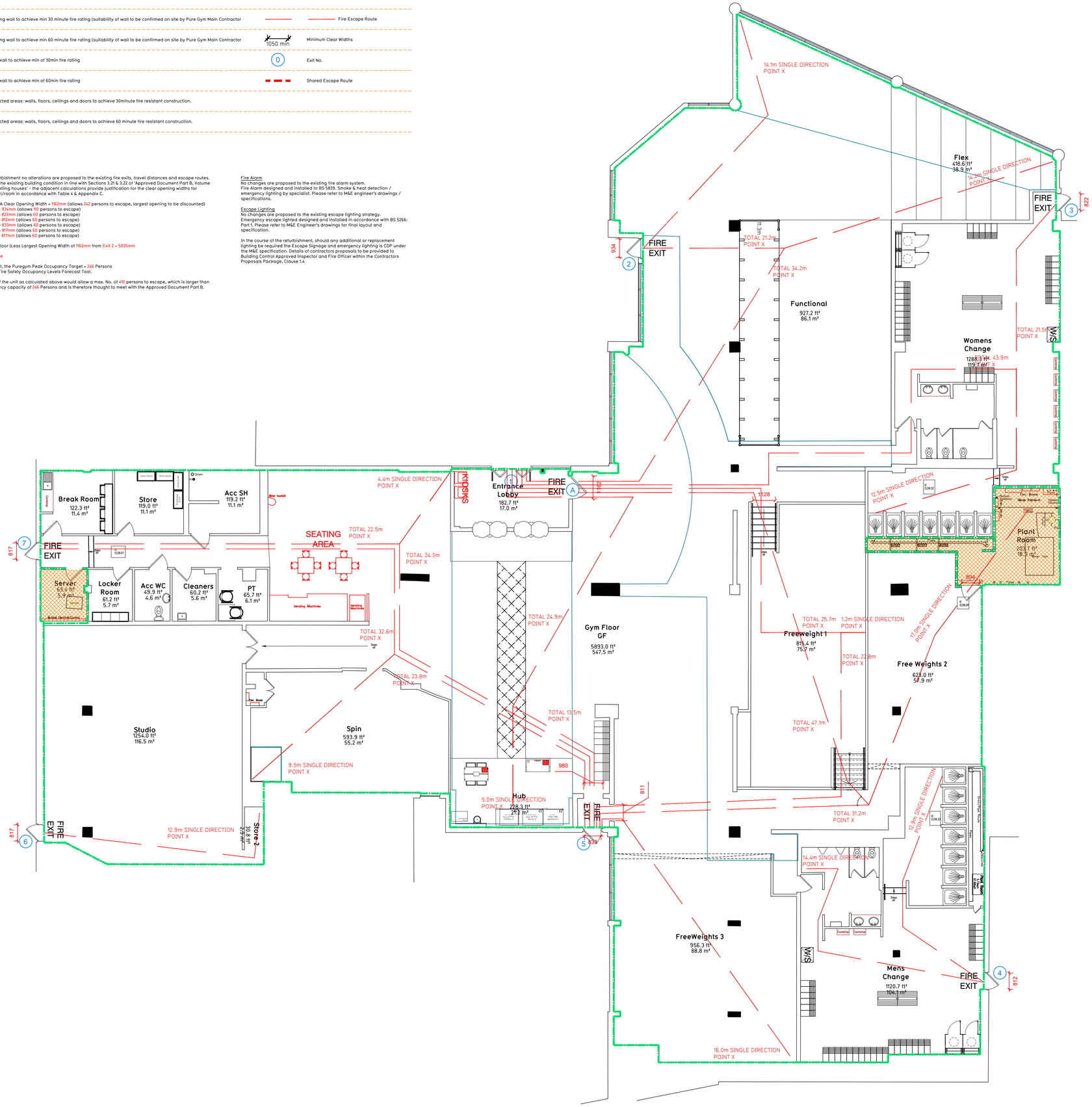
Fire Alarm
No changes are proposed to the existing fire alarm system.
Fire Alarm designed and installed to BS 5839. Smoke & heat detection / emergency lighting by specialist. Please refer to M&E engineer's drawings / specifications.

Escape Lighting
No changes are proposed to the existing escape lighting strategy.
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.

In the course of the refurbishment, should any additional or replacement lighting be required the 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



R00	18/12/23	Record Drawings	CD/PG
C03	01/11/23	GB Farrar appointed as Main Contractor	CD/PG
C02		Not Issued	
C01		Not Issued	
Rev	Date	Description	Drawn/ Checked

PROJECT TITLE: Purley - Refurb
Royal Oak Centre, Brighton Rd, Purley, CR8 2PG

DRAWING TITLE: Fire Evacuation Plan
Ground Floor Plan

DRAWN / CHECKED	DATE	SCALE	JOB No	DRAWING No	Rev
OT/CD	10.08.23	1:100 @ A1	0151	003-FEP	

DRAWING PURPOSE: RECORD — R00

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