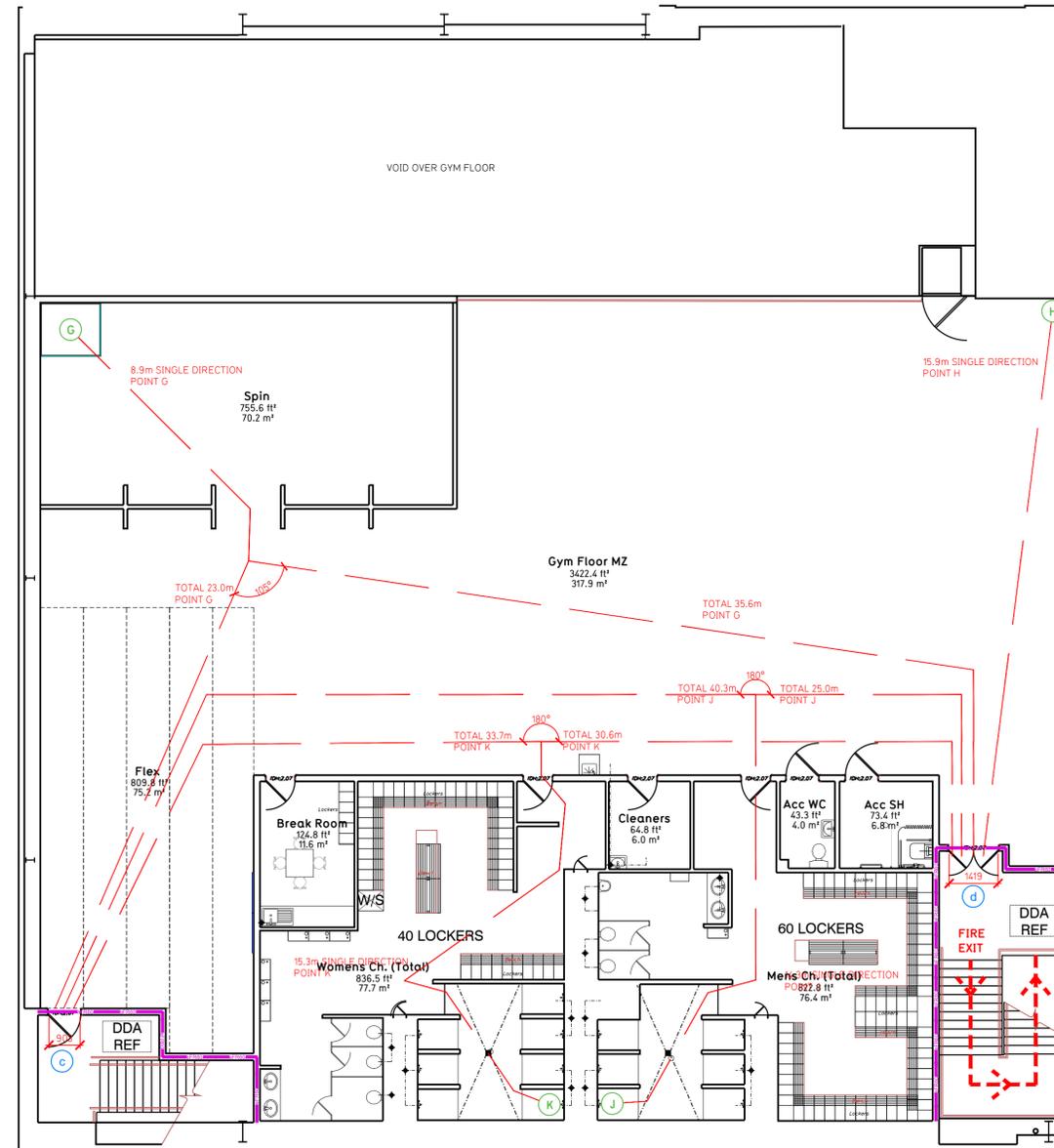
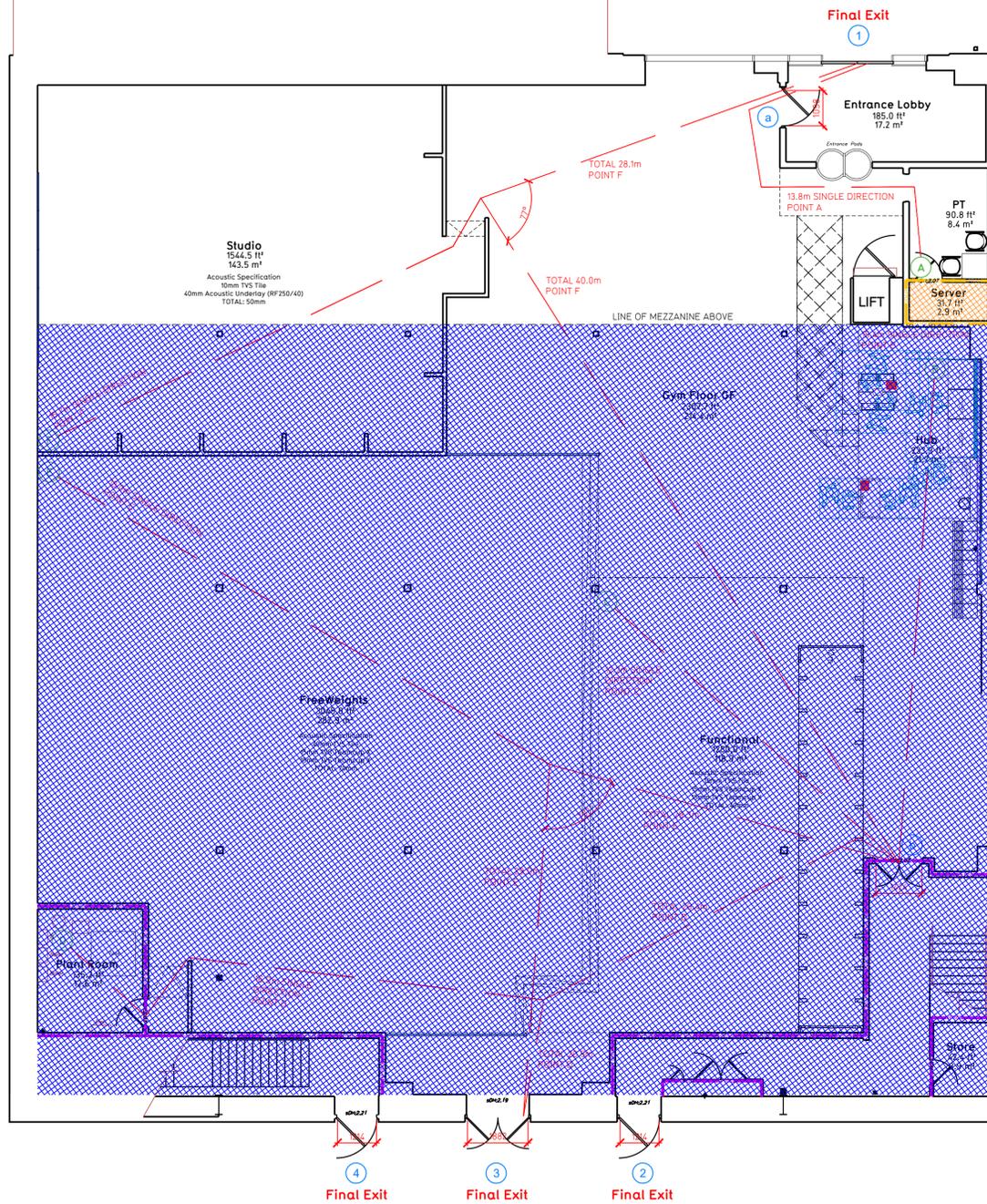


- NOTE:
- Proposals must comply with all acoustic, fire & building regulation requirements
 - No dimensions are to be scaled from this drawing. The contractor is responsible for checking all dimensions on site



Proposed Ground Floor Plan

Proposed Mezzanine 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) | | Fire Escape Route |
| | Existing wall to achieve min 60 minute fire rating (suitability of wall to be confirmed on site by Pure Gym Main Contractor) | | Minimum Clear Widths |
| | New wall to achieve min of 30min fire rating | | Exit No. |
| | New wall to achieve min of 60min fire rating | | Shared Escape Route |
| | Protected areas: walls, floors, ceilings and doors to achieve 30minute fire resistant construction. | | Fire Door Rating - 30min. / 60min. |
| | Protected areas: walls, floors, ceilings and doors to achieve 60 minute fire resistant construction. | | Fire Door Signage - Fire Door Keep Shut / Automatic Fire Door Keep Clear / Fire Door Keep Locked |

Escape Route Widths:
In line with Sections 3.21 & 3.22 of 'Approved Document Part B, Volume 2 - buildings other than dwellingshouses' - 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
Final Exit D1 is led by Exit a Clear Opening Width = 1098mm (allows 229 persons to escape)
Final Exit D2 is led by Exit b and Mezzanine Exit d Clear Opening Width = 1214mm (allows 252 persons to escape).
Final Exit D3 Clear Opening Width = 1882mm (allows 388 persons to escape, largest opening to be discounted)
Final Exit D4 Clear Opening Width = 1214mm (allows 252 persons to escape)

Total Aggregate Width for Floor (Less Largest Opening Width of 1882mm from Final Exit D3) = 3526mm
Ground Floor Total Estimated Occupancy Capacity = 75 Persons

Mezzanine Floor
Final Exit D1 is led by Exit c Clear Opening Width = 903mm (allows 10 persons to escape)
Final Exit D2 Clear Opening Width = 1214mm (allows 252 persons to escape, largest opening to be discounted)

Total Aggregate Width for Floor (Less Largest Opening Width of 1214mm from Final Exit D2) = 903mm
Mezzanine Floor Total Estimated Occupancy Capacity = 10 Persons

Based on NIA of 16,444sqm, the Puregym max peak occupancy target = 246 persons
Calculated using Puregym Fire Safety Occupancy Levels Forecast Tool.
The designed occupancy of the unit as calculated would allow a max. No. of 75 persons, which is larger than the total estimated occupancy target of 222 persons and is therefore thought to meet with the Approved Document Part B. To allow free movement between the floors the occupancy has not been split 50/50% but rather allows for occupancy based on gym stations and function assuming that a high percentage of the total occupancy could be on a single floor at one time.

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.

Fire Stopping
All perimeter edges of mezzanine to be appropriately fire stopped to create compartment floor and protect mezzanine structure. All services/drainage penetrations passing through fire rated compartment floor to be fire collared/sealed.

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

| Rev | Date | Description | Drawn/Checked |
|-----|----------|------------------------|---------------|
| 001 | 12.02.24 | Issue for Construction | COO |

PROJECT TITLE
Coventry Warwickshire SP - Refurb Unit, Coventry, Coventry CV3 2SB

DRAWING TITLE
Fire Evacuation Plan Ground and First Floor Plans

SCALE
1:100 @ A1

DRAWING No.
003-FEP

DRAWING PURPOSE
CONSTRUCTION

Rev
COO

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