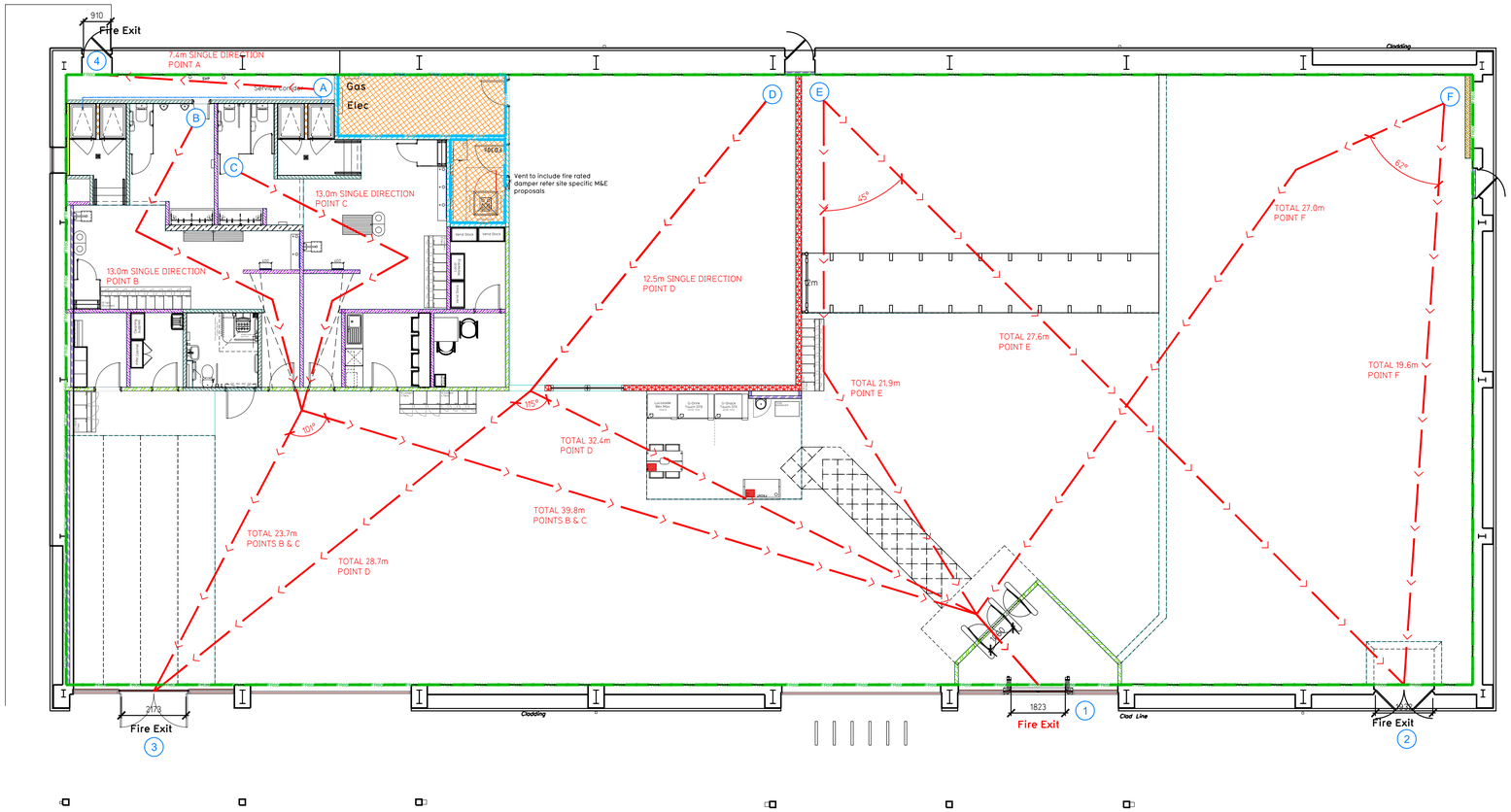
NOTE:

- 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

Fire Evacuation Key

| | | | |
|---|---|---|---|
| FRX | 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 |
| FRX | Existing wall to achieve min 60 minute fire rating (suitability of wall to be confirmed on site by Pure Gym Main Contractor | 1050 min | Minimum Clear Widths |
| FRX | New wall to achieve min of 30min fire rating | 0 | Exit No. |
| FRX | 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. | FD30 / FD60 | Fire Door Rating - 30min. / 60min. |
| | Protected areas: walls, floors, ceilings and doors to achieve 60 minute fire resistant construction. | FDKS / AFDKC / FDKL | 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 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.

Ground Floor
Exit 1 Clear Opening Width (limited by speedgates) = 1060mm (allows 222 persons to escape)
Exit 2 Clear Opening Width = 1932mm (allows 398 persons to escape)
Exit 3 Clear Opening Width = 2173mm (allows 444 persons to escape, largest opening to be discounted)
Exit 4 Clear Opening Width = 910mm (allows 190 persons to escape but this is for service staff only)

Total Aggregate Width for Floor (Less Largest Opening Width of 2173mm from Exits 1 & 2 = 2992mm
Ground Floor Total Estimated Occupancy Capacity = 186 Persons

Exits 1 & 2 provides a min. width of 2992mm and would allow a max. No. of 620 persons to escape, which is larger than the total estimated occupancy capacity of 186 Persons and is therefore thought to meet with the Approved Document Part B.

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
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

| Rev | Date | Description | Drawn/ Checked |
|---|---|---|---|

| PROJECT TITLE | | DRAWING TITLE | |
|---|---|---|---|
| Neath<br>Cadoxton Road, West Glamorgan, SA10 7AY | | Fire Evacuation Plan<br>Ground Floor Plan | |
| DRAWN / CHECKED | DATE | DRAWING PURPOSE | SCALE |
| CS/TH | 13.06.24 | CONSTRUCTION | 1:100 @ A1 |
| DRAWING No. | | | |
| 2432-GF-003-FEP-C00 | | | |

PUREGYM


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

e: architecture@puregym.com
w: www.puregym.com