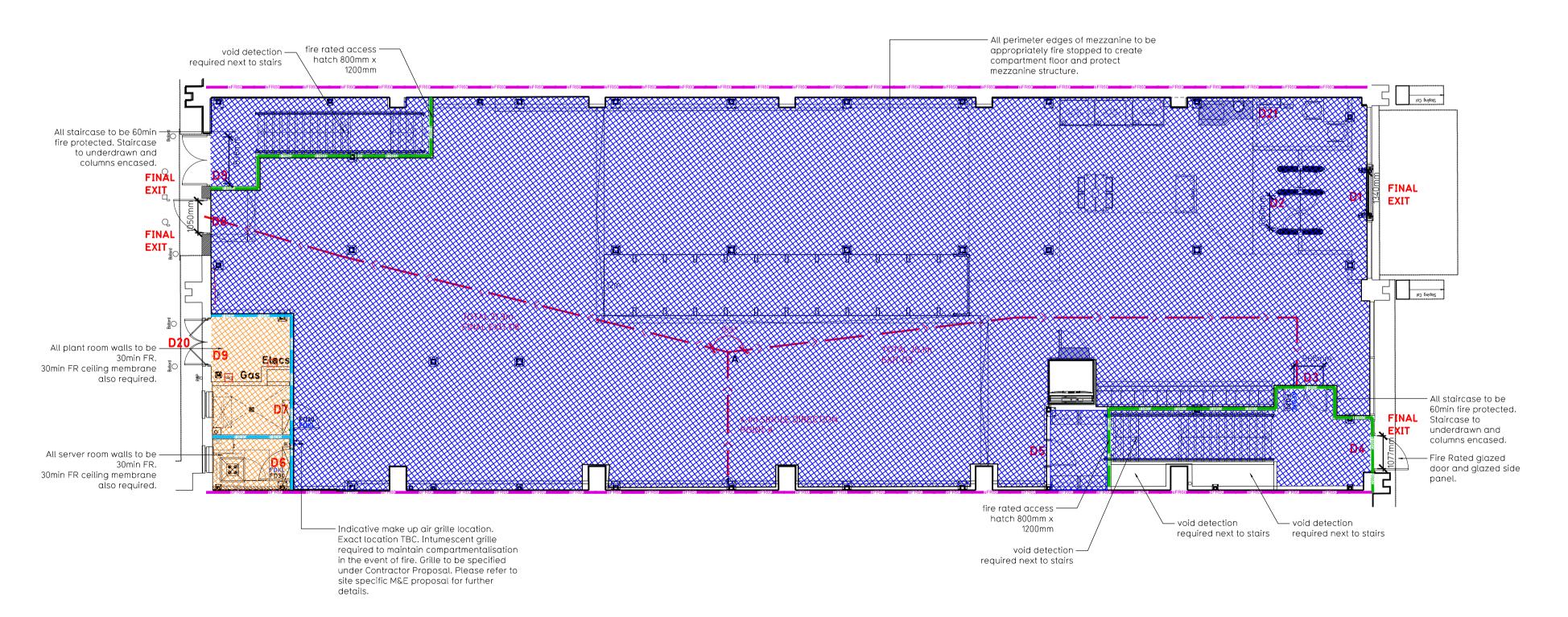
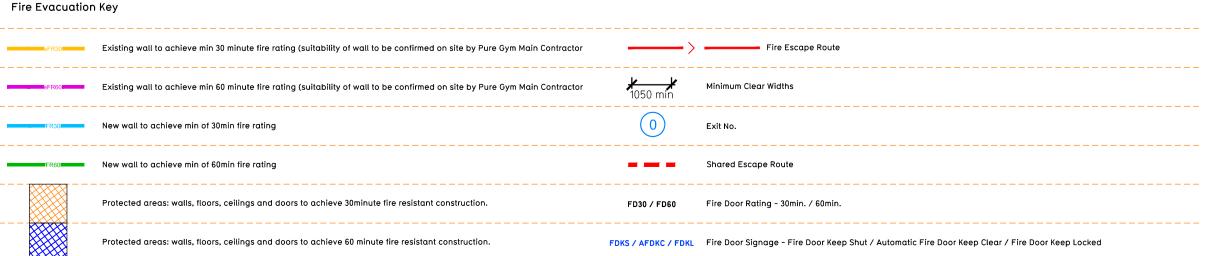


Proposed Mezzanine Floor Plan



Proposed Ground Floor Plan



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
Final Exit D1 limited by Internal Security Barrier D2 Clear Opening Width = 1060mm (allows 222 persons to escape, largest opening to be discounted)
Final Exit D4 limited by Storey Exit D3 Clear Opening Width = 965mm (allows 110 persons to escape)
Final Exit D8 Clear Opening Width = 1050mm (allows 220 persons to escape)

Mezzanine Floor

Mezzan

The Main Stair Core has a merging flow from the Mezzanine and Ground Floors and therefore, W = ((N/2.5) + (60S)) / 80 must be used. If N is (on door D3) limited to 110 people and S is 1.6m, then W = 1750mm clear door.

The distance from the Ground floor storey exit (D3) is more than the minimum 2M.

Based on NIA of 9498sqft, the Puregym max peak occupancy target = 153 persons
Calculated using Puregym Fire Safety Occupancy Levels Forecast Tool.
The designed occupancy of the unit as calculated would allow a max. No. of 553 persons, which is larger than the total estimated occupancy target of 153 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

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

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 1.4

Proposals must comply with all acoustic, fire & building regulation requirements

is responsible for checking all dimensions on site

No dimensions are to be scaled from this drawing. The contractor

NOTE:

