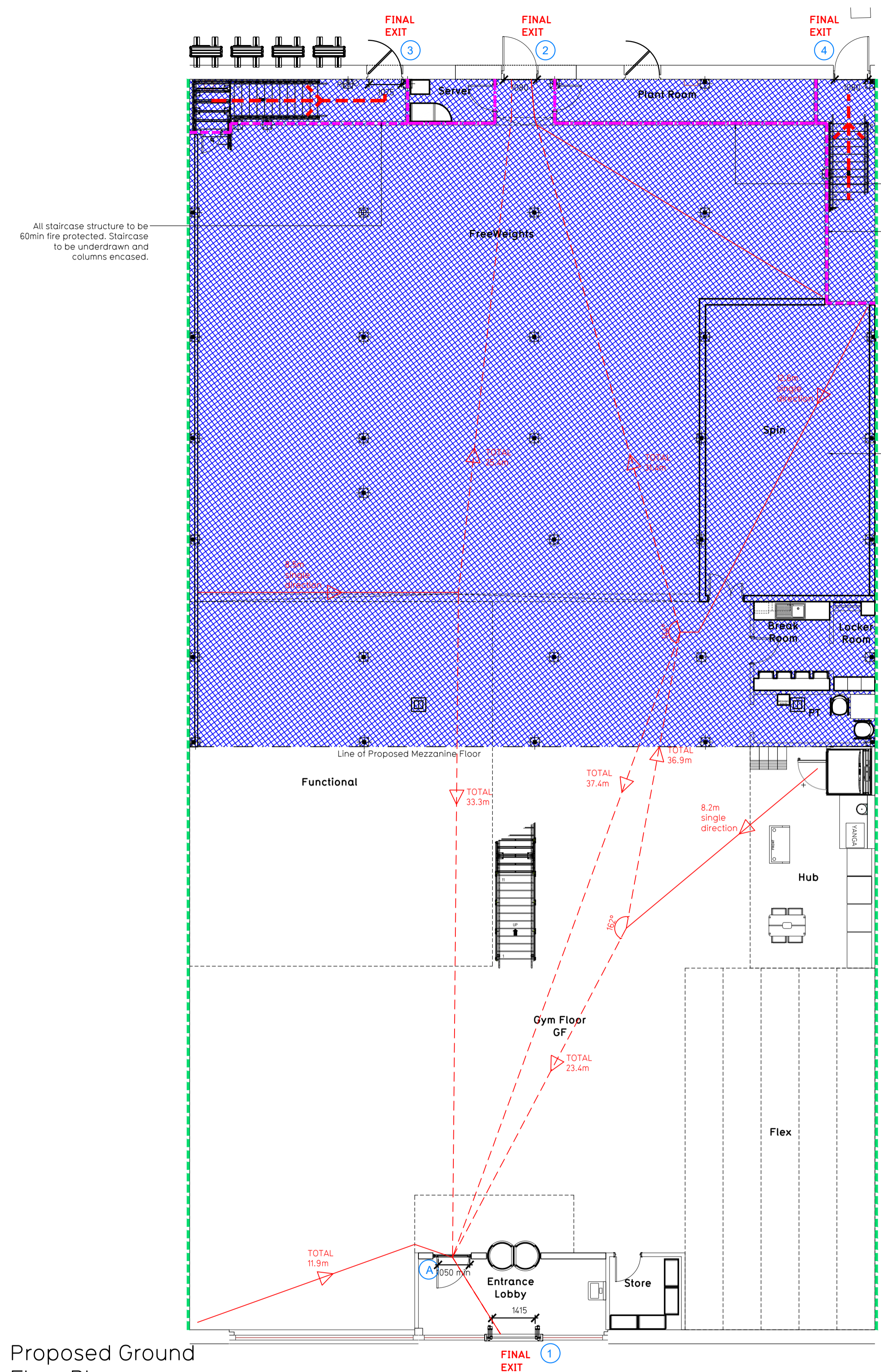
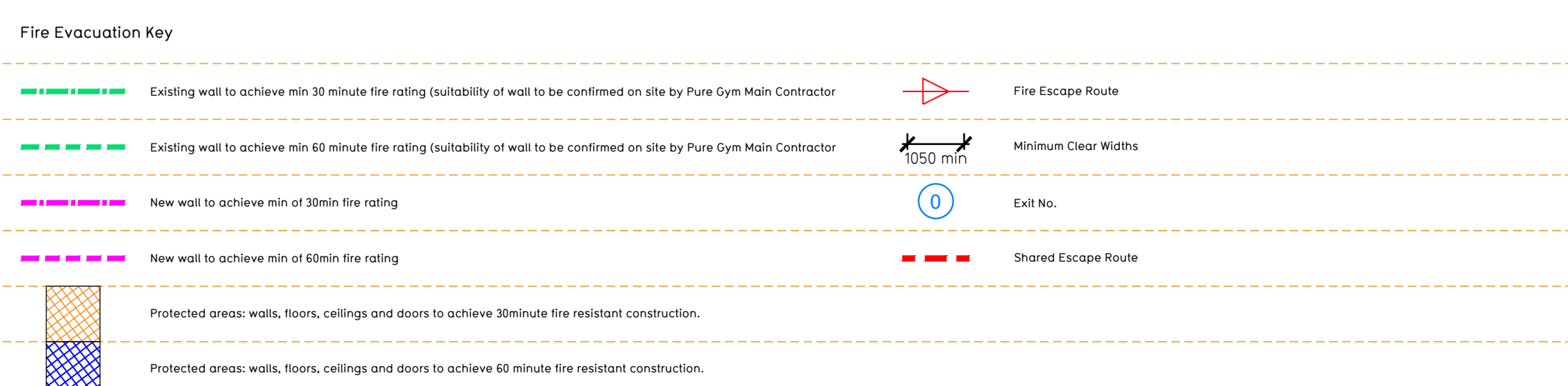


NOTE:

- 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

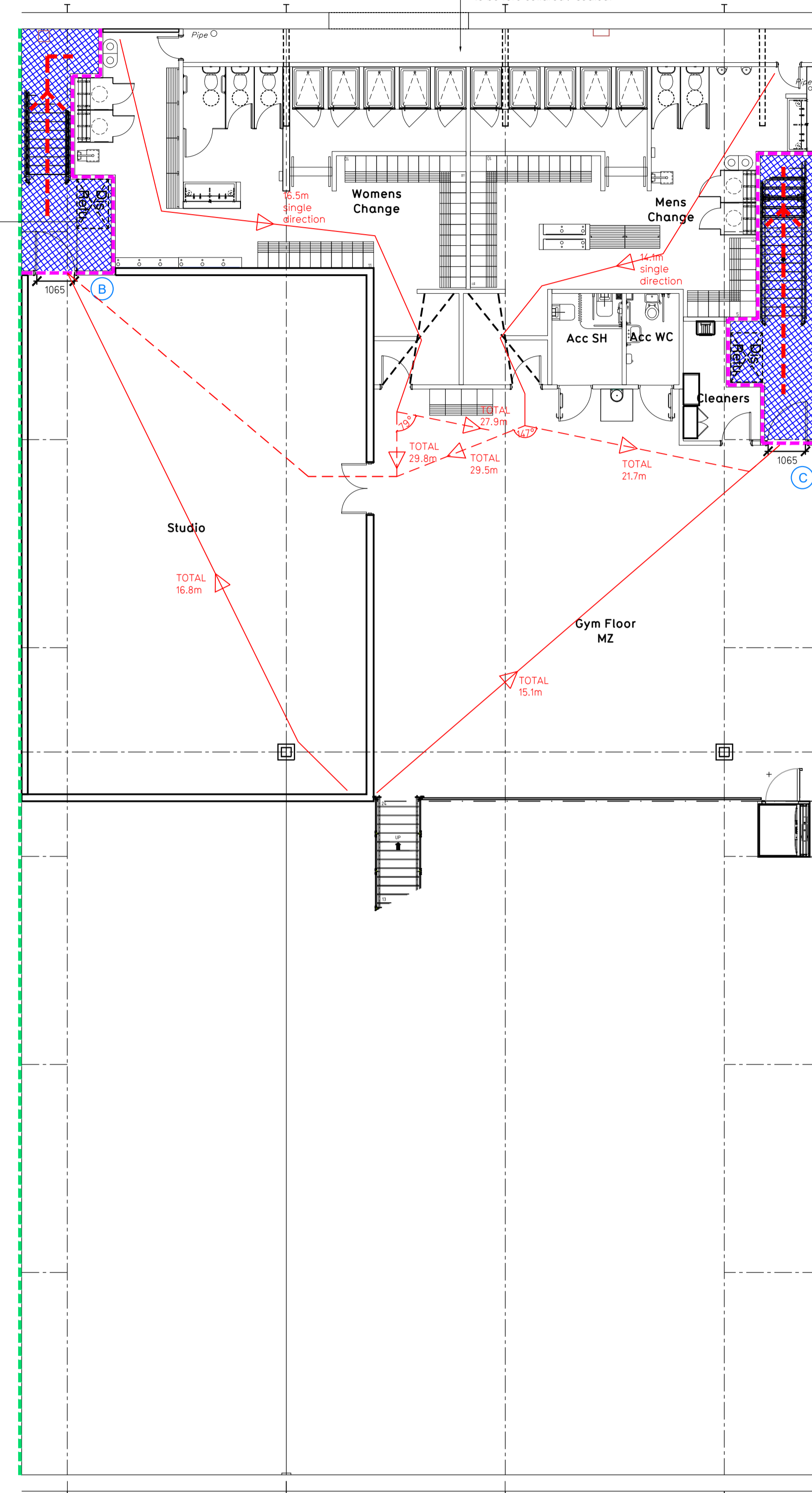


All server s. plant room walls to be 30min FR. Ceiling membrane also required.

All staircase structure to be 60min fire protected. Staircase to be underdrawn and columns encased.

All perimeter edges of mezzanine to be appropriately fire stopped to create compartment floor and protect mezzanine structure.

60Min FR compartment wall forming staircase to be taken up to soffit and fire stopped at head. Deflection head to be included as required 3.4m at highest point.



Proposed Mezzanine Floor Plan

60Min FR compartment wall forming staircase to be taken up to soffit and fire stopped at head. Deflection head to be included as required 4.0m at highest point.

All drainage to be under-slung to the u/s of mezzanine. All services / drainage penetrations passing through fire rated compartment floor to be fire collared / sealed.

**Escape Route Widths:**  
 In line with Sections 3.21.6, 3.32 of 'Approved Document Part B, Volume 2 - buildings other than dwellings' - the adjacent calculations provide justification for the clear opening widths for escape from each floor level/ room in accordance with Table 4.6 Appendix C.

**Ground Floor**  
 Final Exit 1 Fed by Storey Exit A Clear Opening Width = 145mm (escape occupancy limited by Storey Exit A Clear Opening Width = 1050mm, allows 220 persons to escape.)  
 Final Exit 2 Clear Opening Width = 1080mm (allows 226 persons to escape, largest opening to be discounted)  
 Total Aggregate Width for Floor (Less Largest Opening Width of 1080mm from FINAL EXIT 2) = 1050mm

**Mezzanine Floor**  
 Final Exit 3 Fed by Storey Exit B Clear Opening Width = 1075mm (escape occupancy limited by Storey Exit B Clear Opening Width = 1055mm, allows 220 persons to escape.)  
 Final Exit 4 Fed by Storey Exit C Clear Opening Width = 1080mm (escape occupancy limited by Storey Exit C Clear Opening Width = 1055mm, allows 220 persons to escape. Largest opening to be discounted).  
 Total Aggregate Width for Floor (Less Largest Opening Width of 1055mm from STOREY EXIT C) = 1055mm

**Total**  
 Ground Floor = 220 persons to escape  
 Mezzanine Floor = 220 persons to escape  
**Total = 440 persons to escape**

Based on NIA of 1463sqm, the Puregym peak occupancy target = 222 persons  
 Calculated using Puregym Fire Safety Occupancy Levels Forecast Tool.

The designed occupancy of the unit as calculated would allow a max. No. of 443 persons to escape, which is larger than the total estimated occupancy capacity 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 functions 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 lighting 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 14.

Rev	Date	Description	DRAWING TITLE	Drawn/Checked
<p><b>PROJECT TITLE</b> Maidenhead RP Unit 2, Maidehead RP, Stafferton Way, SL6 1AY</p> <p><b>DRAWING TITLE</b> Fire Evacuation Plan Ground and Mezzanine Floor Plans</p>				
<b>DRAWING NO.</b>	<b>DATE</b>	<b>SCALE</b>	<b>JOB NO.</b>	<b>DRAWING NO.</b>
KMC/CS	16.09.22	1:100 @ A1	2097	003-FEP
<b>DRAWING PURPOSE</b>	<b>CONSTRUCTION</b>			<b>REV</b>
				C00

