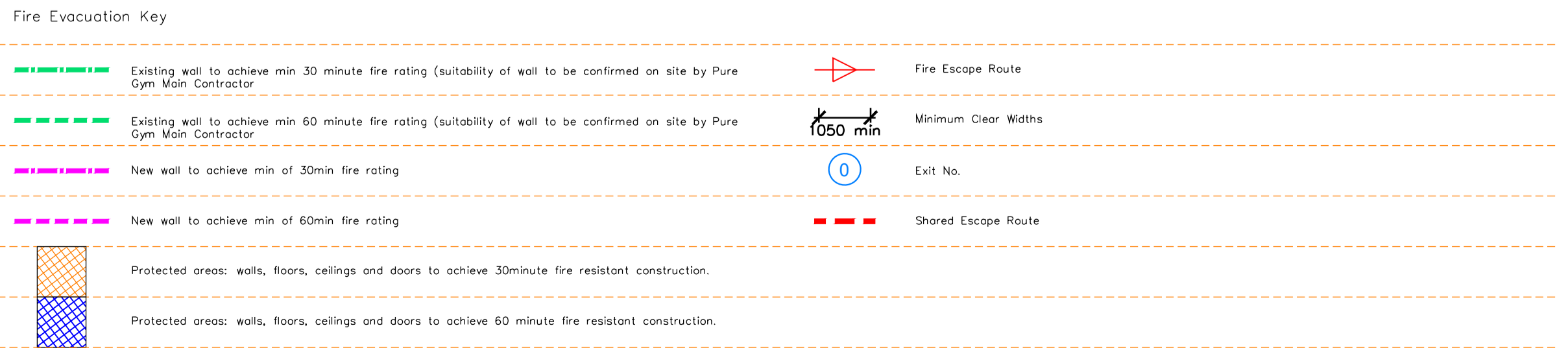


NOTE:

- 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



Escape Route Widths:
 In line with Sections 3.21 & 3.22 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 & Appendix C.

Ground Floor:
 Final Exit 1 is limited by Intermediate Exit 1A with a Clear Opening Width = 1050mm (allows 220 persons to escape)
 Final Exit 2 Clear Opening Width = 1700mm (assumed) (allows 350 persons to escape, largest opening to be discounted)
 Final Exit 3 is limited by Intermediate Exit 3A Clear Opening Width = 765mm (allows 60 persons to escape) - Excluded as Exit 3 only serves the Plant Room area.
 Final Exit 4 is limited by Intermediate Exits 4A, B & C Clear Opening Width = 1050mm (allows 220 persons to escape)
 Total Aggregate Width for Floor (Less Largest Opening Width of 1107mm from Final Exit 1) = 7126mm

Total = 928 persons to escape
 Based on N/A of 14082ft², the Puregym maximum peak occupancy = 300 persons
 Calculated using Puregym Fire Safety Occupancy Levels forecast Tool.

The occupancy of the unit as calculated would allow a max. No. of 440 persons to escape, which is larger than the total estimated occupancy capacity of 300 persons and is therefore thought to meet with the Approved Document Part B.

Staircase:
 System design and installed in compliance with BS EN 12845:2015 & LPC Technical Bulletins

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 1.4

Rev	Date	Description	Drawn/Checked

PROJECT TITLE		DRAWING TITLE	
Unit 11 - Serpentine Green Hargate Way, Peterborough, PE7 8BE		Fire Evacuation Plan Ground Floor Plan	
DRAWN/DESIGNED BY	DATE	SCALE	ISS No.
SKJ/PG	28.07.22	1:100 @ A1	2084
DRAWING PURPOSE			DRAWING No.
CONSTRUCTION			003-FEP
			Rev
			C02

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