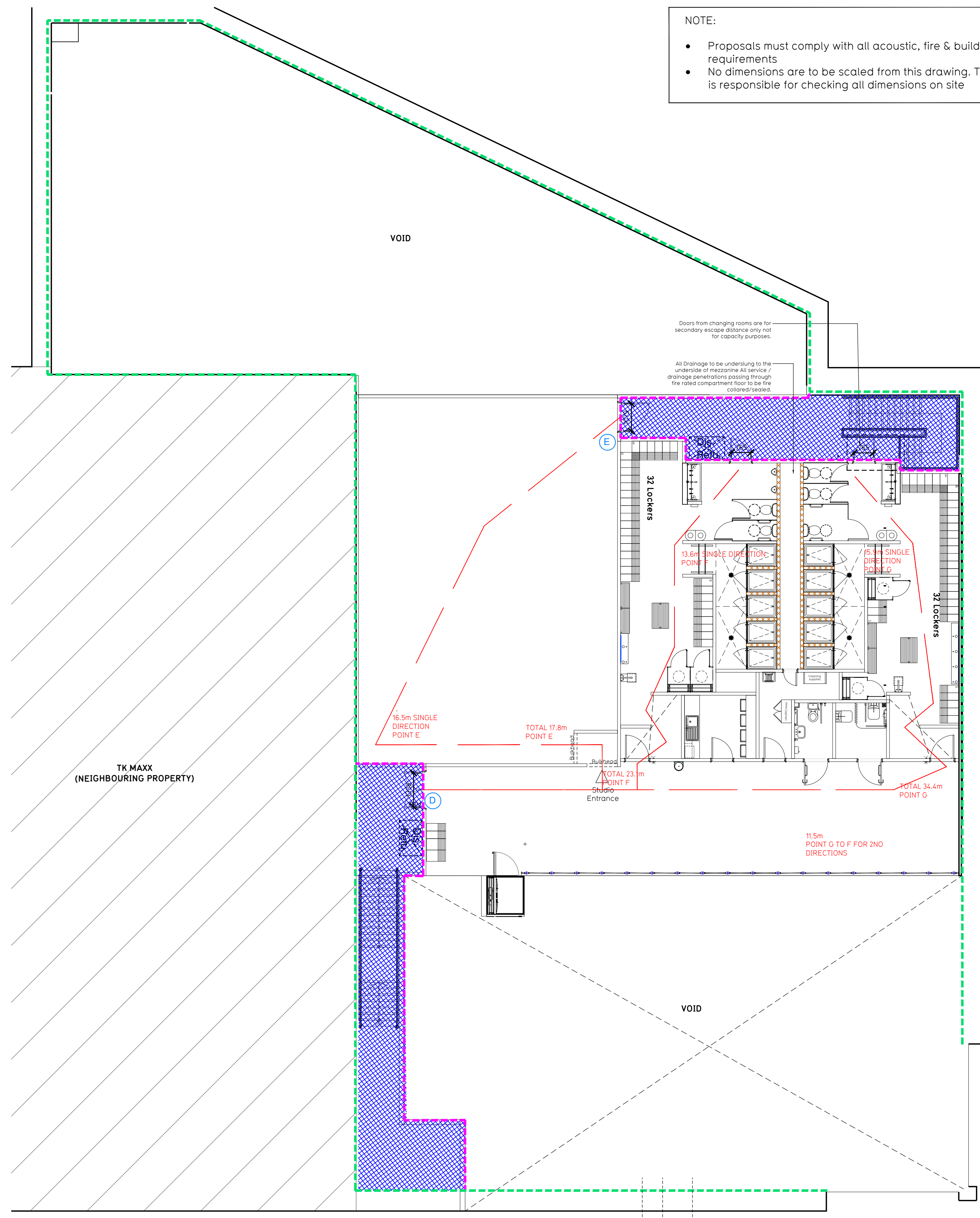


Proposed Ground Floor Plan



Proposed Mezzanine Floor Plan

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

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
	Protected areas: walls, floors, ceilings and doors to achieve 60 minute fire resistant construction.		

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 limited by Storey Exit A Clear Opening Width = 1060mm (allows 222 persons to escape)
 Final Exit 2 limited by Storey Exit B Clear Opening Width = 1070mm (allows 224 persons to escape)
 Final Exit 3 limited by Storey Exit C Clear Opening Width = 1336mm (allows 277 persons to escape, largest opening to be discounted)
 Final Exit 4 Clear Opening Width = 1060mm (allows 226 persons to escape)
 Total Aggregate Width for Floor (Less Largest Opening Width of 1336mm from Final Exit 3) = 3200mm

Mezzanine Floor
 Final Exit 1 limited by Storey Exit D Clear Opening Width = 1238mm (allows 296 persons to escape, largest opening to be discounted)
 Final Exit 3 limited by Storey Exit E Clear Opening Width = 1079mm (allows 221 persons to escape)
 Total Aggregate Width for Floor (Less Largest Opening Width of 1338mm from Final Exit 2) = 1079mm

Total
 Ground Floor = 672 persons to escape
 Mezzanine Floor = 221 persons to escape
 Total = 893 persons to escape

Based on NIA of 1978 sqm, the Puregym maximum peak occupancy target = 313 persons
 Calculated using Puregym Fire Safety Occupancy Levels Forecast Tool.

The designed occupancy of the unit as calculated would allow a max. No. of 893 persons, which is larger than the total estimated occupancy target of 313 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. 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.

Mezzanine Design CDP: New mezzanine structure including deck and column connections to be 60min FR using a boarded solution. Ceiling to be clear and flat ready to receive decoration. Service penetrations to be coordinated and suitably fire stopped. Contractor to submit proposals for design to be reviewed by building control and fire service. 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
1	17.02.23	1:100 @ A1	2248	003-FEP

PROJECT TITLE
 Jamworth U2, Jolly Sailor RP, Bitterscote Drive, B78 3HD

DRAWING TITLE
 Fire Evacuation Plan Ground and Mezzanine Floor Plans

DATE
 17.02.23

SCALE
 1:100 @ A1

NO
 2248

DRAWING No
 003-FEP

DRAWING PURPOSE
 CONSTRUCTION

Rev
 C00

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