

Fire Evacuation Ke

Fire Evacuation Key				
eFR30	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	
eFR60	Existing wall to achieve min 60 minute fire rating (suitability of wall to be confirmed on site by Pure Gym Main Contractor	1 050 min	Minimum Clear Widths	
FR30	New wall to achieve min of 30min fire rating	0	Exit No.	
FR60	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:	Sprinklers
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.	System design and installed in compliance with BS EN 12845:2015 & LPC Technical Bulletins.
	Fire Alarm
Ground Floor	Fire Alarm designed and installed to BS 5839. Smoke & heat detection / emergency lighting by specialist. Please refe
Final Exit D1 limited by Storey Exit D2 Clear Opening Width = 1060mm (allows 222 persons to escape) Storey Exit D7 Clear Opening Width = 1200mm (allows 250 persons to escape)	drawings / specifications. Fire alarm to be interfaced to The Mall Wood Green central fire alarm system.
Final Exit D19 limited by Storey Exit D17 Clear Opening Width = 1800mm (allows 370 persons to escape, largest opening to be discounted)	Escape Lighting
	Emergency escape lighted designed and installed in accordance with BS 5266: Part 1. Please refer to M&E Engineer's
Basement Floor	and specification.
Storey Exit D21 limited by Storey Exit A (in LL Demise) Clear Opening Width = 1050mm (allows 220 persons to escape)	
Storey Exit D22 limited by Storey Exit D7 Clear Opening Width = 1200mm (allows 250 persons to escape, largest opening to be discounted)	Fire Stopping
Final Exit D20 limited by Storey Exit D23 Clear Opening Width = 880mm (allows 110 persons to escape)	All perimeter edges of mezzanine to be appropriately fire stopped to create compartment floor and protect mezzanir services/drainage penetrations passing through fire rated compartment floor to be fire collared/sealed.
The Proposed Stair Core has a merging flow from the Ground and Basement Floors and therefore, W=((N/2.5)+(60S))/80 must be used.	
If W = 1.854m and S is 1.6m (on door D6), then N = 220 (door width limited to 1200mm clear door).	Escape Signage and emergency lighting
The distance from the ground floor storey exit is more than minimum 2m.	CDP under the M&E specification. Details of contractors proposals to be provided to Building Control Approved Inspe
	the Contractors Proposals Package, Clause 1.4
Based on NIA of 13303sqft, the PureGym max peak occupancy target = 222 persons	
Calculated using PureGym Fire Safety Occupancy Levels Forecast Tool.	"The Mall Wood Green" Fire Strategy
	Unit 11C is located within The Mall Wood Green. Please refer to "The Mall Wood Green Unit 11A, 11B, 11C Fire Strategy, FL
The designed occupancy of the unit as calculated would allow a max. No. of 802 persons, which is larger than the total estimated occupancy	Hughes. Unit 11C tenant fit out has been designed in accordance with this fire strategy.
target of 222 persons and is therefore thought to meet with Approved Document Part B. To allow free movement between 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.	

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