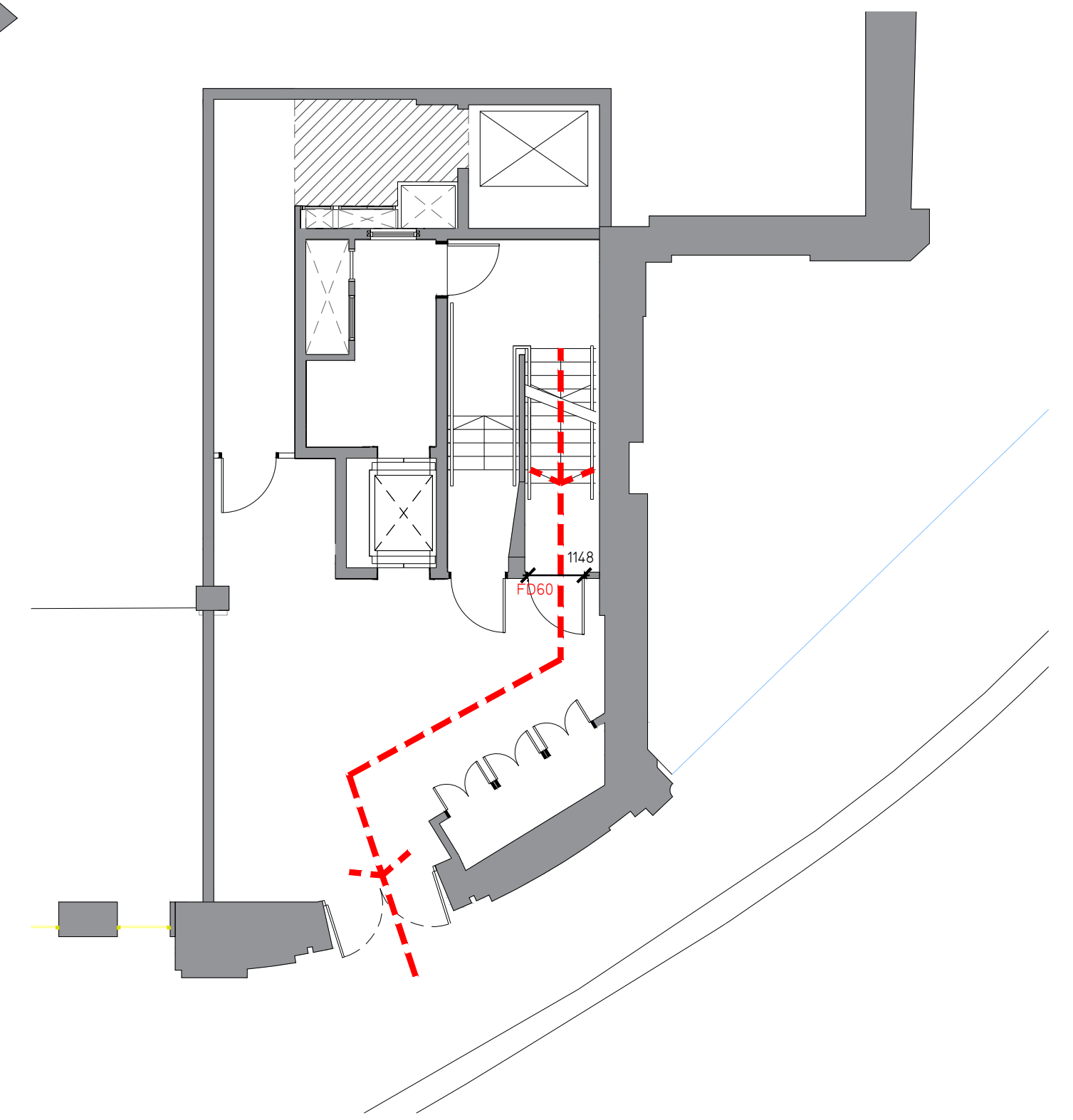
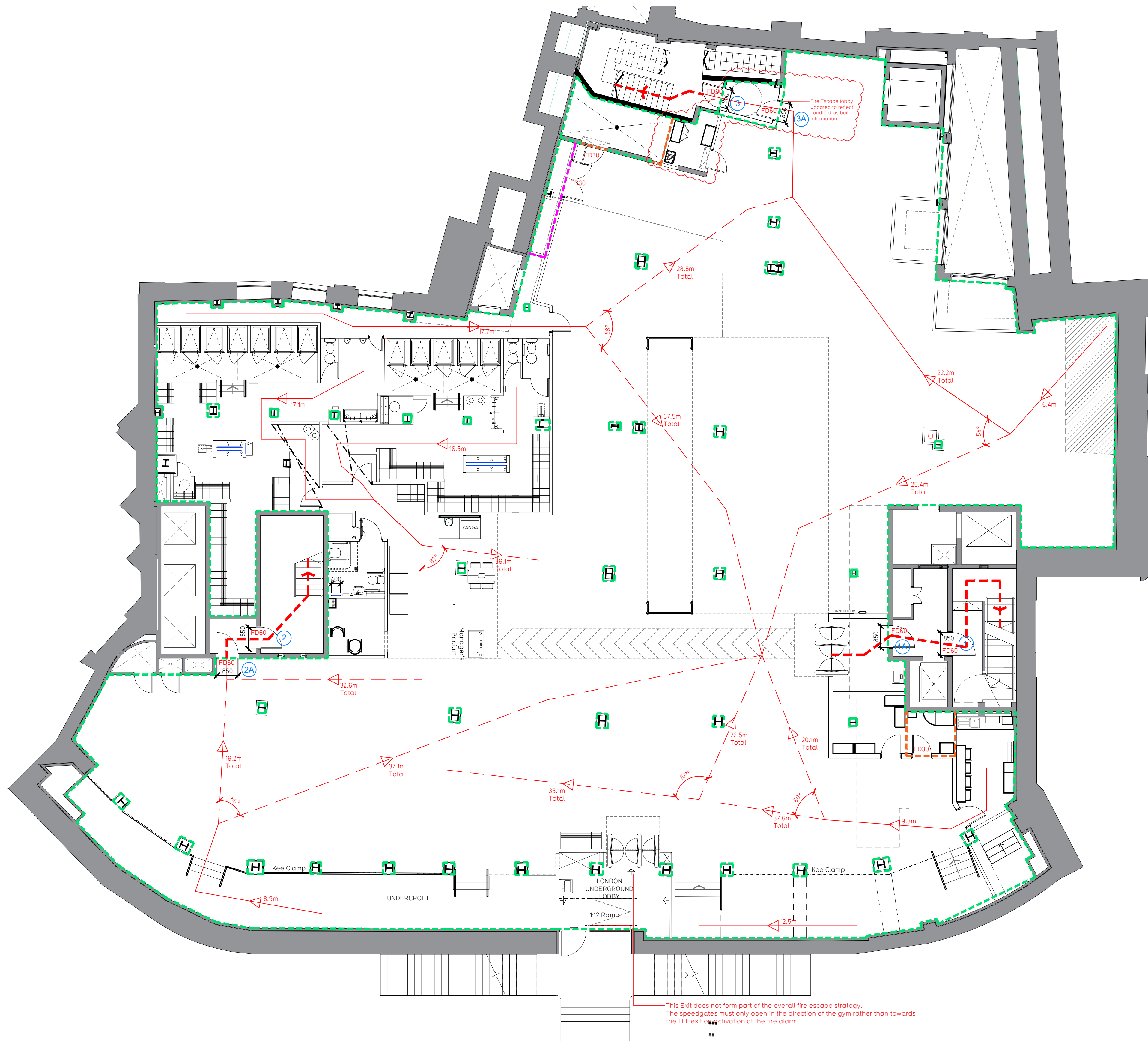


**NOTE:**

- 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
- All proposals to be confirmed following site visit



**Fire Evacuation Key (To be read in conjunction with the latest MLM Fire Strategy (62282-MLM-ZZ-XX-RP-YF-0001-REV11-68 KING WILLIAM STREET REPORT))**

- Existing wall to achieve min 120 minute fire rating. Compartment wall has been designed and constructed by the LL to meet their building fire strategy. All new penetrations to comply with building fire strategy.
- New wall to achieve min of 120min fire rating
- New wall to achieve min of 60min fire rating
- New wall to achieve min of 30min fire rating
- Protected areas: walls, floors, ceilings and doors to achieve 30minute fire resistant construction.
- Protected areas: walls, floors, ceilings and doors to achieve 60 minute fire resistant construction.
- Fire Escape Route
- Minimum Clear Widths
- Exit No.
- Shared Escape Route

**Escape Route Widths:**  
In line with Sections 3.21 & 3.22 of 'Approved Document Part B, Volume 2 - buildings other than dwelling houses' as well as the latest MLM Building Fire Strategy Report (62282-MLM-ZZ-XX-RP-YF-0001-REV11-68 KING WILLIAM STREET REPORT) which has been assessed under BS9999 - the adjacent calculations provide justification for the clear opening widths for escape from each floor level/ room in accordance with Table 4 & Appendix C.

The following has been calculated on the basis of BS9999 and assessed using Risk profile B1 as indicated in the MLM Report (62282-MLM-ZZ-XX-RP-YF-0001-REV11-68 KING WILLIAM STREET REPORT).

**Lower Ground Floor**  
North Exit (3) Clear Opening Width = 850mm (allows 163 persons to escape) (Largest opening to be discounted). (Intermediate Exit (2A) @ GF = 850mm) (Final Exit @ GF = 1238mm)

South West Exit (2) Clear Opening Width = 850mm (allows 163 persons to escape). (Intermediate Exit (2A) @ GF = 850mm) (Final Exit @ GF = Measured as 1393mm according to the MLM Report).

South East Exit (1) Clear Opening Width = 850mm (allows 163 persons to escape). (Intermediate Exit (1A) @ GF = 142mm) (Final Exit @ GF = 1354mm)

The MLM Report states the following: The lower ground floor gym unit is provided with three exits (SE, SW and North). After discounting one exit, the two remaining exits can accommodate 126 people (2 x 63). As such, the expected peak occupancy based on PureGym total of 288 people can be accommodated. This strategy will be adopted by PureGym and the fire strategy will be issued to the Main Contractor for the fit-out work. N.B. All escape routes outside of the PureGym demise have been designed by the LL as per their approved fire strategy.

**Structural Fire Resistance**  
As the building has an uppermost storey greater than 30m in height, any loadbearing elements of structure including floors will be required to achieve a minimum of 120 minutes fire resistance. The existing building frame (columns and beams) are reinforced concrete and generally provide the necessary fire protection. The hollow pot beam floors and a number of existing columns will be clad in fireline on site.

**Sprinklers**  
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. The minimum standard of fire alarm and smoke detection system for an office building (A1 Risk Profile) would be a manual system (Category M). However the building will be provided with an automatic alarm and detection system that will be designed and installed in accordance with BS 5839-1 and arranged as a Category L1 (Section 4.2.4 Means of Warning in the MLM Fire Strategy Report).

**Escape Signage & Emergency 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 & Emergency Lighting within the demised unit falls within the Contractor's Design Portion under the PureGym M&E specification. Details of contractor's proposals are to be provided to the Approved Inspector and Fire Officer within the CDP Package Clause 14. Escape signage will be provided above all exit routes. The proposed signage is to be illuminated and comply with BS 5266: Emergency lighting to comply with BS 5266-1: 2016.

**Smoke Extract**  
Smoke Extract System to be designed and installed in accordance with BS 7346: Part 8 and the MLM Fire Strategy Report. Please refer to M&E Engineer's drawings for final layout and specification. Details of contractor's proposals are to be provided to Building Control Approved Inspector and Fire Officer within the Contractors Proposals Package, Clause 14.

Escape Signage and emergency lighting is CDP under the M&E specification. Details of contractor's proposals are to be provided to Building Control Approved Inspector and Fire Officer within the Contractors Proposals Package, Clause 14.

**General**  
Landlord to ensure walls, structure, soffit & any existing services are adequately fire rated to the relevant standard and in compliance with the MLM Fire Strategy Report (62282-MLM-ZZ-XX-RP-YF-0001-REV11-68 KING WILLIAM STREET REPORT).

**TFL Interface**  
It is noted that as part of the base build fire strategy, the lower ground floor gym demise is to be separated from the public underpass by E1 120-minute fire resisting construction that closes on fire detection automatically in either 68 King William St, or on any detection within the adjacent TFL public underpass. The route is not intended to be used for means of escape from the gym unit, or vice versa.

Rev	Date	Description	Drawn/Checked
SKCV	04.04.22		

PROJECT TITLE		DRAWING TITLE	
London Monument		Means Of Escape Plan	
68 King William Street, City of London, EC4N 7HR		Basement & Ground Floor Plan	
DRAWN / CHECKED	DATE	SCALE	JOB No.
SKCV	04.04.22	1:100 @ A1	0345
DRAWING PURPOSE	JOB No.	DRAWING No.	Rev
CONSTRUCTION	0345	003-FEP	000

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