

Use Dimensions - DO NOT SCALE
The Contractor is to check all dimensions at all times.
Contractor to check the dimensions & conditions on site before commencing. Subject to professional survey.
All errors and omissions to be reported prior to commencement.
This drawing must be used in conjunction with the relevant specification clauses. This drawing must not be used for purposes other than that for which it is provided. All drawings subject to statutory authority approval.

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Scale Bar		To be used as guidance only	
1:100	mm	1000	3000 5000
1:200	mm	2000	6000 8000
1:500	M	5	15 25
1:1250	M	10	30 50 70

NOTES

These drawings have been prepared based on initial information supplied to DMMR. No checks have been undertaken to confirm accuracy of drawings and DMMR does not accept any liability for omissions from existing arrangements.

These drawings are not intended for construction purposes, nor are they fully representative of all details and therefore require. These drawings are intended as design intent for the purposes of obtaining tender only.

The Contractor should undertake all necessary site surveys and investigations to ascertain accurate dimensions required for construction purposes and the production of detail manufacturing drawings or any other process.

Existing wall and slab on site have been removed with limited information from historical information to guide up works.

The Design team has Proposed detail drawings have been produced with manufacturers input and are to be used in conjunction with the specification document for all associated components. Detail intent drawings and specifications are not intended for use for purposes of tender. The contractor / sub-contractors are to complete detailed working drawings for construction. Detail drawings and specifications are intended for comments. In all cases the barriers/supplies/requirements address 'tops and all other' ligands materials to be fully verified for application and to be subject to approval by the Building Inspector and the Engineer.

Manufacturers to provide Fire Test Certification for open steel and closed steel barrier systems conforming compliance with overall wall assembly and conditions.

LEGEND		
		Open-steel (ventilated) horizontal cavity barrier with Intumescent intum and cladding (DME 15SE). Refer to specific detail and NES
		NOTE - Roof level horizontal barrier (DC - dependent on Rafters) seen into existing roof
		Closed steel vertical cavity barrier (DME 15SE). Refer to specific detail and NES
		Fire barriers across all windows and doors (DME 15SE). Open-steel (ventilated) barriers to be used and able to provide adequate ventilation for proposed rainscreen cladding. Refer to specific detail and NES

Fire stopping is required around all joints, openings, pipes and penetrations to wall build up in addition to fire barriers indicated on this drawing.

All fire stops and barriers to be installed strictly in accordance with manufacturers' details.

LEGEND

■ ■ ■	Operative (ventilated) horizontal cavity barrier with flameproof sally and cladding (DME 15d). Refer to specific detail and NES
■ ■ ■	NOTE - Roll level horizontal barrier (to dependent on Rollscreen vent into existing safe
■ ■ ■	Classed state vertical cavity barrier (DME 15d). Refer to specific detail and NES
■ ■ ■	Fire barriers across all windows and doors (DME 15d). Operative (ventilated) barriers to heads and sills to ensure adequate ventilation for proposed transoms cladding
■ ■ ■	Refer to specific detail and NES

Fire stopping is required around all joints, openings, pipes and penetrations to wall build up in addition to fire barriers indicated on the drawing.

All fire stops and barriers to be installed strictly in accordance with manufacturers' details.

A	01.03.23		Preliminary Issue	RV	SE
Rev	Date		Revision Description	Dm	Chk

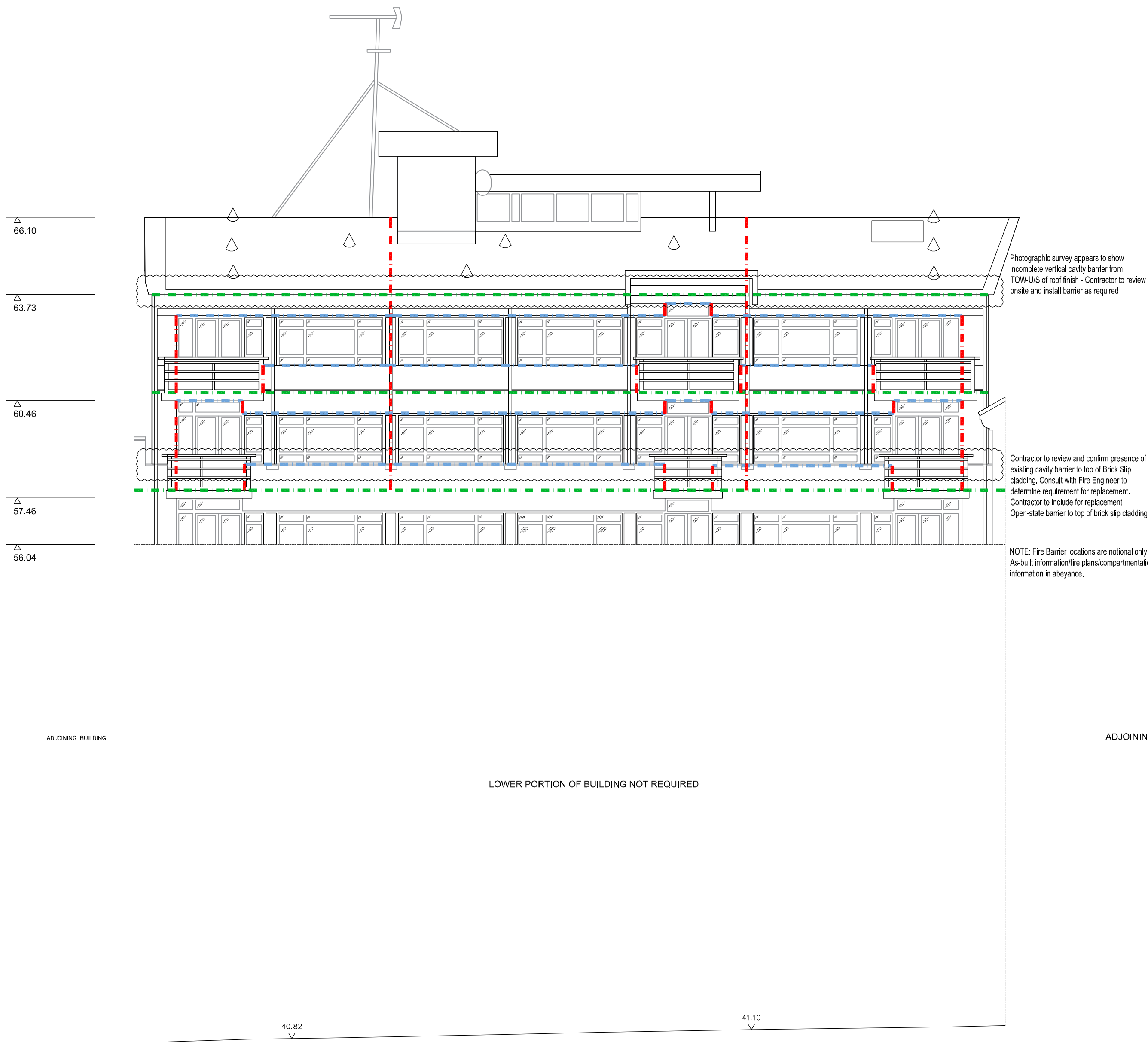
Project Name Stonebridge House, Manchester		North
Client Thomasons UK		
Drawing Title Proposed Elevations (1 of 2) Cavity Barriers		
Drawing Reference, 3993 DR 110		Client Job No - DMWR Job No 3993
Drawn Date 01.03.2023	Scale 1:100@A1	Revision A
Drawing Status DRAFT		Drawn By RV Checked By SE

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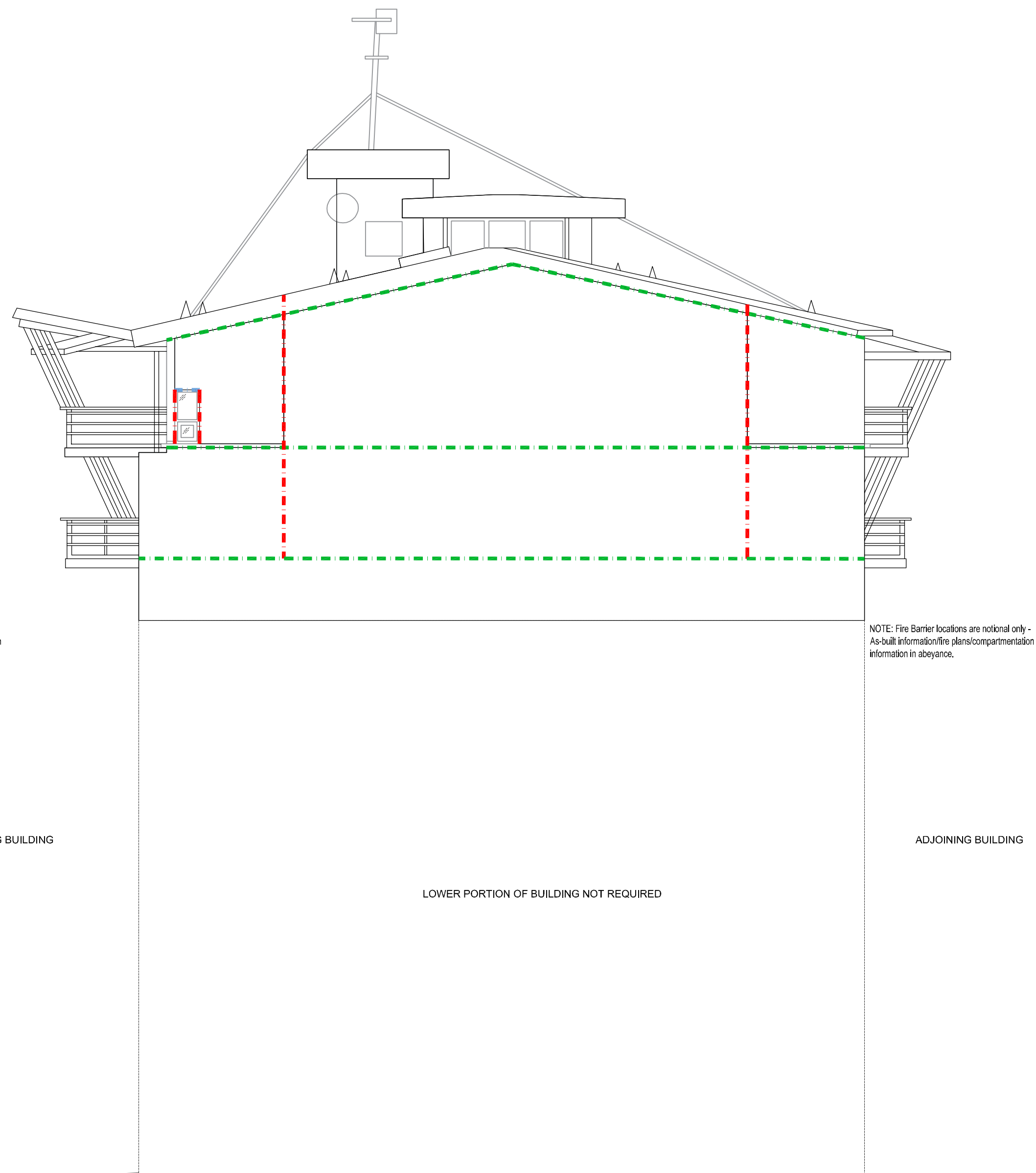
First Floor
16-18 Hatton Garden
London EC1 N 8AT
020 7870 3779
mail@dmwr.co.uk
www.dmw.co.uk

Fourth Floor
41 Spring Gardens
Manchester M2 2BG
0161 413 4656
mail@dmwr.co.uk
www.dmw.co.uk

Contact DMWR for more information



Elevation A



Elevation B

NOTE: EPDM has been based off limited photographic information taken from site. Existing assemblies may vary on site. No As-Built information has been available to ascertain confirmed locations of existing party walls and proposed fire compartmentation. Existing proposed to be ascertained on-site and reviewed with fire engineer to establish all non-compliant areas (i.e. areas where fire barriers and stops are missing) to ensure that all relevant compartmentation and fire separation is included/installed as part of the remediation works. Contractor to review and liaise with Fire Consultant and Building Contractor to establish all necessary measures for compliant remediation.	Completed works to achieve an Option A2 on the EWS1 form following completion of works. This requires: 1. Removal and replacement of all combustible materials, with products achieving Class A2-s1,d0 or Class A1. Any proposed exemptions (i.e. alternative product not available on the market) must be passed on to the Fire Consultant for review and agreement. 2. The remediation/installation of cavity barriers to openings and at the junction of compartment walls and floors, as well as to those of the top and bottom of cavities, to achieve 30 minutes integrity and 15 minutes insulation (tested from both sides separately). Barriers around openings such as windows and service penetrations can alternatively be achieved with impregnated steel with a thickness of not less than 0.5mm. Note that the approving authorities may require a higher performance standard to these requirements. Closed state barriers are to be disassembled in accordance with BS EN 1363-1 or BS 476-20. 'Open state' barriers are to include an intumescent strip that achieves the same performance as the entire barrier, when tested to ASFF TGD 19. This test neither specifies a procedure for determining the fire resistance of 'open state' cavity barriers when subjected to the standard fire exposure conditions and performance criteria stipulated in BS EN 1363-1. Cavity barriers are to be installed as per the manufacturer's requirements, including any limitations associated with the wall thickness, spacing between intumescent strip and inside face of the cladding, and required fixings. This is to ensure that full product certification of the barriers can be achieved. 3. Junctions where a fire resisting wall or floor meets the external wall construction must be fire stopped to the same standard as that wall or floor.	NOTE Drawings and contents are subject to the approval of the Building Inspector. Details are meant to achieve a close match to the existing. Where variation from this occurs do not proceed until approval by the Project Manager and Architect. Final arrangements of rails / support systems to be undertaken by cladding supplier. Fixing patterns to follow to match existing. External cladding boards replacements to be confirmed – Refer to elevations for locations. Contractor to ensure minimum vented cavity is provided to any rainscreen cladding. Drawing to be read in conjunction with NBS. All Dimensions to be checked on-site prior to installation of any cavity barriers. Cavity barrier (Stictore or equal and approved) to be installed around windows and compartmentation all in accordance with manufacturers' details. All fire barriers subject to written approval of Building Inspector and Fire Engineer. New SFS items to be designed by Contractor. All new SFS and new loadings via insulation and sheathing to be assessed by the Structural Engineer.	Remove existing cladding, all insulation, all timbers and all other combustibles. Remove from site for recycling (if possible) or disposal. All details assume that existing combustibles will be removed from the perimeters of openings. EPDM in accordance with manufacturer's proposals and to suit existing windows and openings. EPDM to be of limited combustibility and approved by the fire consultant. NOTE: Proposed design maintains existing cladding fire. However, key dimensions are to be checked on-site to confirm that rainscreen cladding can be adequately installed. Position of existing balustrade and penetrations to cladding (i.e. CHS terrace supports) will need to be confirmed in relation to existing cladding junction design - with new cladding panel junctions to suit. Amendments to appearance to be confirmed with Planner. Rainscreen cladding to be installed strictly in accordance with manufacturer's details. CP board installation to be reviewed by fire barrier supplier to ensure compliant with any testing certification. Contractor to allow for existing external terrace barrier deck to be removed and replaced with A2 s1 d0 compliant system. To accommodate new cladding installation, layout of proposed cladding will need additional panel junctions at existing steel penetrations (including, terrace support penetrations and CHS supports). Proposed design changes to be confirmed with relevant Planning body prior to any procurement or installation.
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