



The image shows a detailed architectural floor plan of a building. The structure is rectangular with a central, open atrium. The perimeter of the building features a series of vertical columns and horizontal beams, with some sections showing more complex internal framing. On the right side, there is a vertical extension or a series of stairs. The base of the building is particularly interesting, featuring a hexagonal pattern of rooms or support structures at the bottom. An arrow points to the left side of the base, indicating a specific feature or entrance. The overall style is technical and precise, typical of a professional architectural drawing.

All dimensions are to be checked on site before the commencement of works. Any discrepancies are to be reported to the Architect & Engineer for verification. Figured dimensions only are to be taken from this drawing.

This drawing is to be read in conjunction with all relevant engineers' and service engineers' drawings and specifications. This drawing is copyright.

General installation to comply with HVCA DW144.

Access panels for inspection purposes shall be provided and installed in accordance with TR19.

Ventilation installation to comply with BS 5588 : Part 9:1999.

Attenuators to be selected by contractor upon confirmation of fan selections. The contractor shall ensure the attenuators selected meet the NR criteria as specified in the relevant schedules.

Fire / smoke dampers to be provided in association with the architect's fire strategy drawings. Access panels to be provided for access to reset and maintain damper as required.

Fire dampers to incorporate external indicator fitted to the access (cassette) side of the damper casing giving visual indication of damper blade position.

Flexible ductwork lengths shall not exceed 500mm and shall not be used for changes of direction.

The responsibility for the support of the entire ductwork system and associated plant shall be that of the contractor.

All ductwork and plenums to be fully insulated, unless stated otherwise within the specification

All dampers shall be of the opposed blade configuration.

Final connections to grilles / diffusers to be made with acoustic flexible ductwork.

Louvres to be fitted with insulated plenum boxes.

Ducts to transform and connect to plenum boxes.

FCDs shall be included on all final duct branches leading up to grilles / diffusers.

Final louvre locations refer to Architectural layouts and elevations.

All doors separating rooms with a flow differential are to be provided with means of suitable air transfer to ensure unimpeded door operation.

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Suitable for Review and Comment	13/03/24	AD	GH   AH
Revision Description	Date	Drawn By	Checked   Approved By

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# ECT erthyr Synagogue

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## Technical Services Ventilation Layout

## First Floor & Second Floor

WORK PROJECT NO.	SCALE @ A0
464	1 : 50
IS DESCRIPTION	STATUS

DESCRIPTION	STATUS
FITABLE FOR REVIEW & COMMENT	S3
NING NO.	REVISION

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