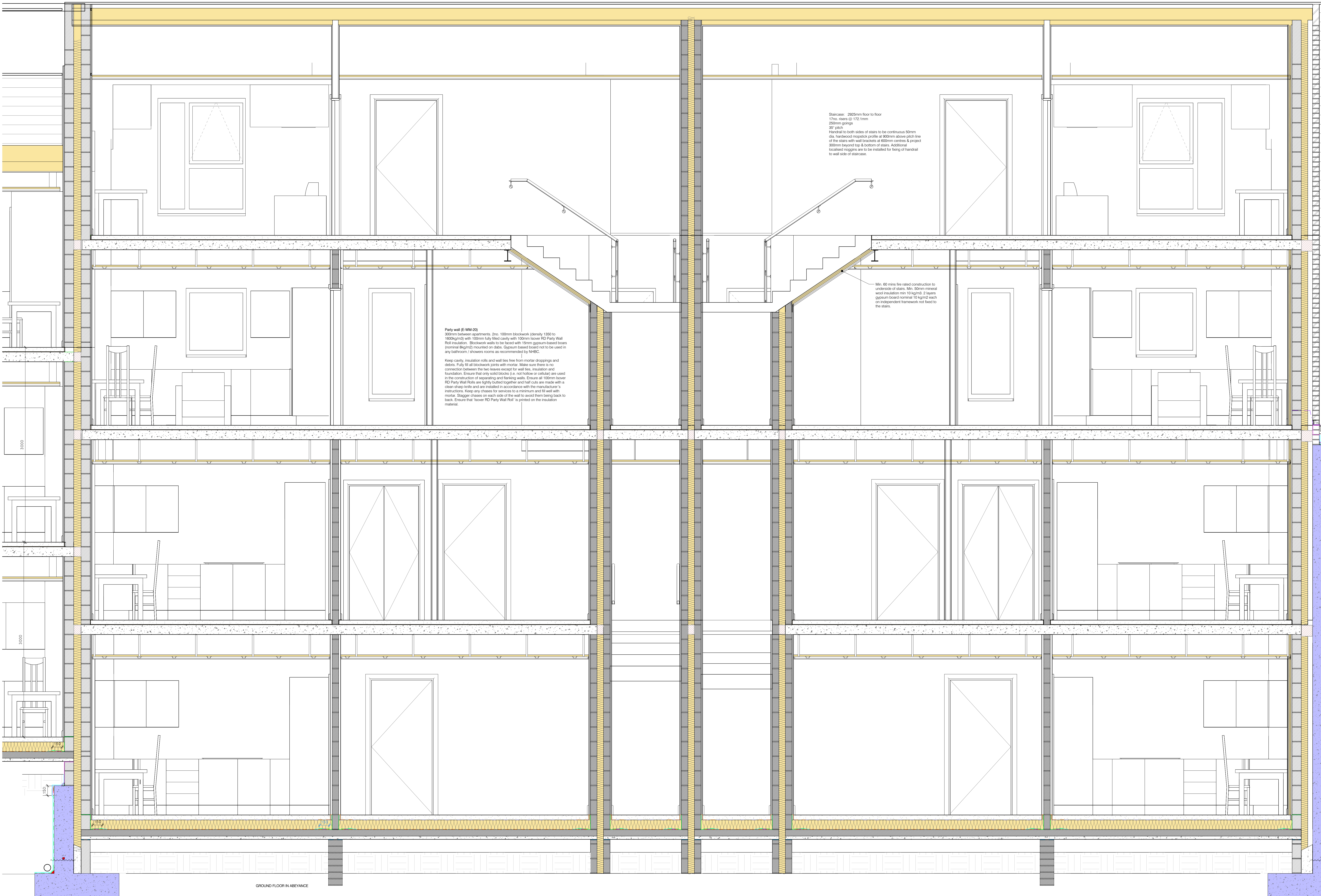




- Notes:
1. Drawings must not be scaled and any discrepancies must be reported immediately.
 2. The drawing is to be read in conjunction with all other relevant project drawings and schedules.
 3. Dimensions indicated are structural.
 4. Drawing must be printed in colour to ensure all elements are clearly identified.

External Walls
102.5mm Stretcher bond facing brickwork external skin with weather struck mortar joints. 85mm min. clear cavity and 102mm PIR insulation fixed to 100mm dense blockwork (compressive strength of 7.3N/m²) / 140mm blockwork. Blockwork to be internally faced with 15mm service zone (with 15mm plaster daily) and 52.5mm Celspan PL400 (40mm + 12.5mm) with 3mm plaster skim finish. All board joints sealed as VCL & air leakage.

Min. average U-Value of external wall to be 0.190W/m²K. Fire, thermal and acoustic performance thickness & specification subject to supplier confirmation.
Plasterboard: Confirmation of plasterboard specification to achieve specified levels of fire resistance to be in accordance with data from fire tests from UKAS approved laboratories.

Separating Floors (Robust Detail E-FC-4)
Separating floors to be selected finishes on min. 60mm cement-sand screed on 6mm louverboard base with IsoEdge flanking strips installed in strict accordance with manufacturer's instructions. Precast plank units manufacture to make due allowance for number of planks to ensure min. thickness of screed is obtained. Structural floor to be 150mm deep precast concrete planks (300kg/m³ min. mass per unit area) to Structural Engineers and manufacturer's design and specification, with all joints fully grouted. Plank profile to be sized to suit flange depths to avoid penetrations into hollow core. Any flange which do penetrate core are to be sealed to ensure continuity of air tight line. Plank ends also to be filled at junction with external walls to prevent air permeability through the requirements of a fully tracked hoist system.

Butt planks tightly together, grout all joints between planks and fill all voids between walls and floor. Ensure 6mm louverboard resilient layer is laid over the entire floor surface and has overlapped joints of 50mm sealed with tape. On no account should the screed come into contact with the floor slab. Ensure 6mm louverboard overlaps with IsoEdge flanking strip. On no account should screed come into contact with floor slab or perimeter walls. Ensure the IsoEdge flanking strip isolates the skirting and wall linings. On no account should screed come into contact with the wall lining and skirting. Ensure that only the correct blocks are used in the construction of external (flanking) walls, unless specifically referred to in the Handbook all blocks should be assumed to be solid (i.e. not hollow or cellular). Gaps between precast planks to be filled with mortar from above, with any excess mortar cleaned off the surfaces. Top and bottom surfaces of the planks are then to be prepared to receive an tight joint (Soudal Soudalight SP / LO or equal) along all plank joints in strict accordance with manufacturer's recommendations, min. 150mm across faces of adjoining planks for the full length of the planks.

Ceiling to apartments to be CTO - Metal ceiling system - 100mm void to be used for 150mm (min.) depth concrete planks. Any metal ceiling system providing 150mm/min ceiling void. One layer of nominal 8 kg/m² gypsum-based board.

Make sure ceiling treatment is installed in accordance with the manufacturer's instructions (where applicable). All ceiling joints must be sealed with tape or caulked with sealant. Note: the sound insulation performance of all ceiling treatments is increased if 25mm (min.) mineral fibre quilt is placed in the ceiling void.

Note: Plaster / plasterboard wall finish & skirting board to be finished / fitted on top of flanking upstand strip.

Plasterboard: Confirmation of plasterboard specification to achieve specified levels of fire resistance to be in accordance with data from fire tests from UKAS approved laboratories.

All in strict accordance with Robust Details, E-FC-4.

- Information required:
- Internal stubs
 - Plasterboard specification
 - Ground floor detail
 - Roof specification / height

C1	Issued for Preliminary	HJ	KL
Rev.	Description	Drawn	Check

PRELIMINARY

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Project
Springfield Rise, Treharris

Client
Pendragon Contractors

Drawing Title
Block A Flats
Section F-F

Job No.	Orig.	Zone	Level	Type	Role	Description	Status	Rev.
4159	PEN	ZZ	ZZ	DR	A	2420	S3	C1
Scale								
1 : 20 @ A0								
Date								
Dec 24								

NOTES: Do not scale. All dimensions are in millimetres unless stated otherwise.