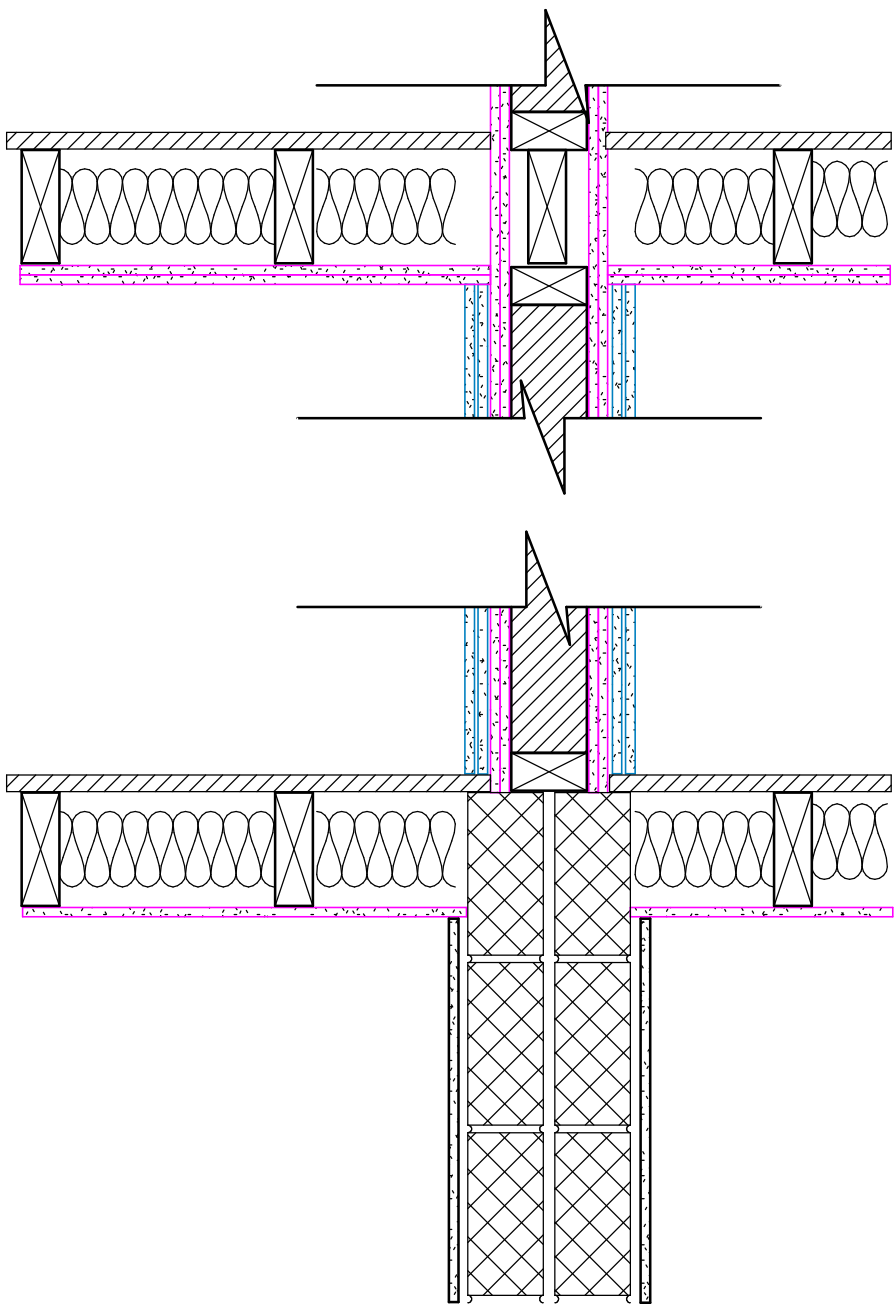




Partition Wall Detail
1 : 10

Fire Separation Wall Specification Notes

Stud Partition Wall Construction

Stud frame: 50mm x 100mm timber studs at max. 600mm centres.

Wall lining: 2 x 12.5mm FireLine plasterboard + 2 x 12.5mm SoundBloc plasterboard to each side, staggered joints.

Cavity infill: 100mm Rockwool Acoustic or equivalent mineral wool insulation (min. 45kg/m³).

All boards to be fixed in accordance with manufacturer's guidance (e.g., British Gypsum / Knauf).

Partition to achieve minimum 60 minutes fire resistance and comply with Approved Document B and BS 476-22.

Wall/Floor Junction – Firestopping Measures

Plasterboard lining to be tightly abutted to floorboards.

Apply continuous bead of fire-rated intumescent sealant (e.g., Rockwool FirePro or equivalent) to seal any gap between plasterboard and floor.

Where possible, strip floorboards under the wall and continue the partition through the floor void to form a continuous barrier.

Floor Void Firestopping

Install 60-minute rated mineral wool fire batts (e.g., Rockwool RW3 or equivalent) tightly between floor joists directly beneath the line of the partition.

Fire batts to be friction-fitted and sealed with fire-rated mastic around all edges.

Ensure complete seal across cavity to prevent lateral fire and smoke spread.

Alternatively, use tested intumescent cavity barriers sized to joist depth.

Services Penetrations

Any service penetrations (e.g., cables, pipes) through the wall or floor must be sealed using tested fire-stopping collars or wraps with minimum 60-minute rating.

Solid Masonry Wall Partition Wall Specification

Wall Construction

Construct wall from two leaves of 100mm solid dense concrete blockwork (minimum 7.3N/mm² compressive strength).

Leaves to be tied together using stainless steel wall ties, spaced at max. 450mm vertically and 750mm horizontally, staggered to achieve minimum 5 ties/m².

Nominal 10–15mm mortar cavity between block leaves to be fully filled or dry-bonded as required.

Overall finished wall thickness to be approximately 215mm, excluding finishes.

Fire Resistance

Wall to achieve minimum 60 minutes fire resistance, compliant with Approved Document B – Table A1 and BS EN 1996-1-2.

All blockwork to be fully bedded in mortar with no gaps in perpends or bed joints.

Acoustic Performance

Dense masonry construction to provide high levels of sound insulation.

Expected to achieve airborne sound reduction ≥ 50 dB Rw (depending on final finishes and sealing).

Wall to comply with Approved Document E – Resistance to the Passage of Sound where applicable (e.g., separating dwellings).

Internal Finishes

Fix 12.5mm standard plasterboard on dabs to both sides of wall.

Boards to be installed vertically with all joints taped and jointed or fully skimmed with 2–3mm finish coat.

Ensure all junctions are tight and sealed to maintain fire and acoustic integrity.

Structural Considerations

Confirm whether wall is loadbearing – if so, refer to structural engineer's specification.

Block strength, wall ties, and bearing details to suit any structural loadings.

Provide movement joints if required in long wall lengths or as per engineer's recommendations.

Junctions & Firestopping

All perimeter junctions (floor, ceiling, adjacent walls) to be sealed with intumescent mastic to maintain fire compartmentation.

Any service penetrations through the wall must be fire-stopped with tested collars, wraps or intumescent materials with a minimum 60-minute fire rating.

Scale: @ A1.
Do NOT scale from this drawing.
If in doubt, ask.
Dimensions must be checked by contractor before work is commenced.

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Client:
Farzana Iqbal

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Project Address:
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Drawing Name:
Proposed Party Wall Detail
Drawing Number: A104
Drawing Date: 04/04/25
Author: M.Tamzid. B.Rashid

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