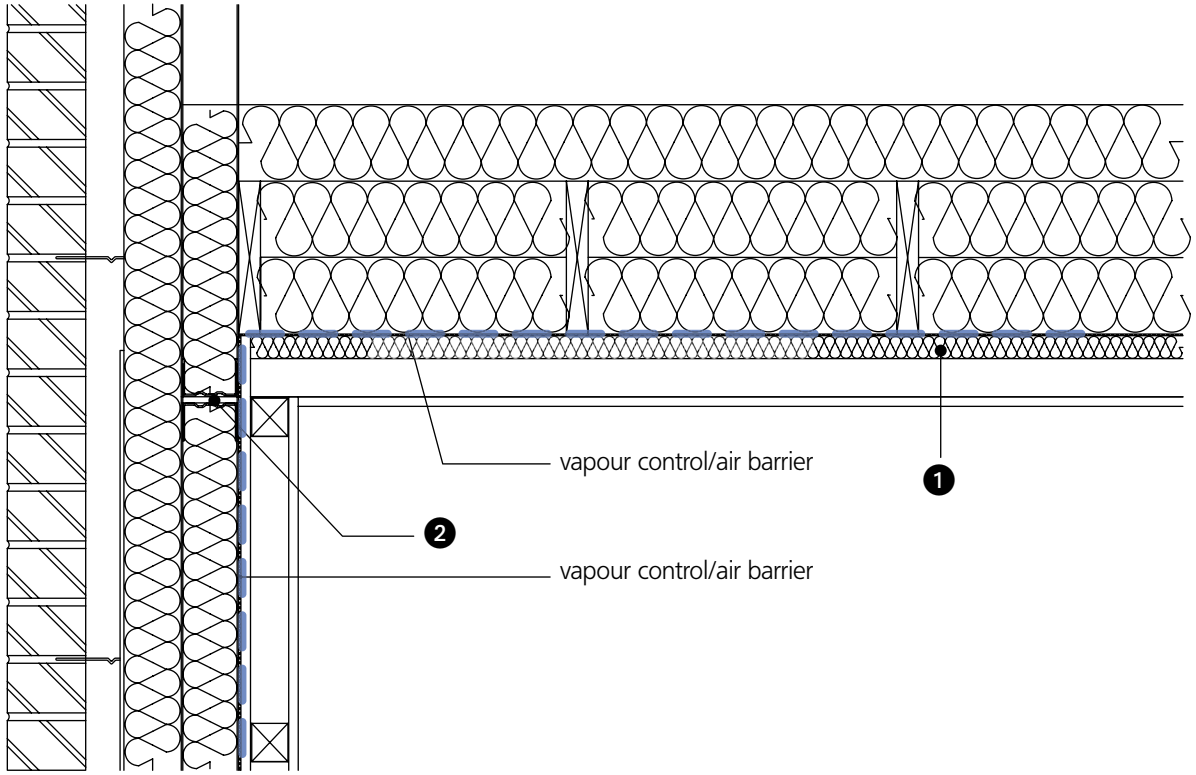

Suggested construction sequence including site check list	✓	
Place compressible insulation between last truss/joist and into depth of steel frame gable wall panel.	☐	T
Fix wall air barrier/vapour control layer to steel studs and temporally fix to underside of first two trusses/joists.	☐	A
Fix ceiling air barrier/vapour control layer to underside of trusses/joists with a taped lap of 300 mm down wall.	☐	A
Fix plasterboard to walls to achieve required fire resistance.	☐	
Fix insulation with minimum thermal resistance of 1.30 m^2K/W to underside of ceiling, with edge tight to plasterboard to wall. *	☐	T
Fix 50 mm wide (depth dependent on services to be provided) battens at maximum 600 mm centres to underside of ceiling, perpendicular to trusses.	☐	
Fix 50 mm deep (width dependent on services to be provided) horizontal battens at maximum 600 mm vertical centres to wall (into studs).	☐	
Erect internal walls with header plate secured to underside of ceiling battens.	☐	
Fix services to wall plasterboard (into studs)/underside of trusses.	☐	
Place plasterboards to ceiling/walls and tape joints or provide skim finish.	☐	
Place ceiling insulation between/over trusses/joists and ensure that the full depth of insulation over trusses/joists extends to lap with insulation between studs. N.B. This stage can be completed at any point from * above.	☐	T
Provide a mastic seal to all service penetrations.	☐	A

$\Psi = 0.068$ W/mK

T: Thermal Performance
A: Air Barrier

1. Minimum thermal resistance of this insulation layer to achieve 1.30 m^2K/W.
2. Minimum thermal resistance of thermal break to achieve 0.20 m^2K/W.

Only when three complementary Energy Saving Trust Enhanced Details are used together, and in conjunction with all other relevant ACDs, can a y-value of 0.04 be used in SAP2005. See Introductory Document for full details.

This indicative guidance illustrates best practice for design and construction in respect to ensuring thermal performance and air barrier continuity, and must be implemented with due regard to site conditions and all other requirements imposed by Building Regulations.

Site Manager/Supervisor: ..... Site Name: ..... Plot No: ..... Date: / /

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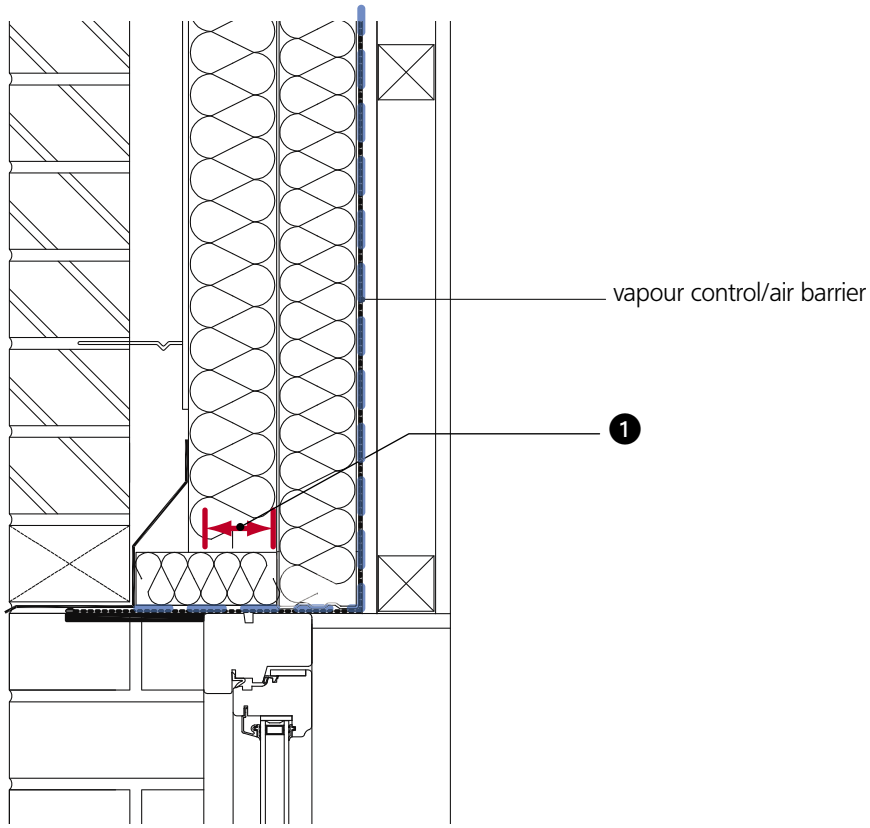
Enhanced Detail SF01 Gable

Use this detail instead of ACD: SFW-RG-01



Suggested construction sequence including site check list	✓	
Fit proprietary insulated cavity closer and ensure this will be in contact with window/door frame.	☐	T
Fix wall air barrier/vapour control layer to steel studs and tape to cavity closers with double sided tape.	☐	A
Fix plasterboard to walls to achieve required fire resistance.	☐	
Fix 50 mm deep (width dependent on services to be provided) horizontal battens at maximum 600 mm vertical centres to wall.	☐	
Erect internal walls.	☐	
Fix services to wall plasterboard (into studs).	☐	
Place plasterboards to walls and tape joints or provide skim finish.	☐	
Fit weatherboard to underside of outer leaf hard up to frame and seal joint with mastic. Provide a mastic seal to all service penetrations, and to window/door frame internally/externally.	☐	A

Ψ = -0.010 W/mK

T: Thermal Performance
A: Air Barrier

1 Minimum lap of window/door frame with insulation of 70 mm, or provide a minimum thermal resistance of this lap of 1.75 m^2K/W.

Only when three complementary Energy Saving Trust Enhanced Details are used together, and in conjunction with all other relevant ACDs, can a y-value of 0.04 be used in SAP2005. See Introductory Document for full details.

This indicative guidance illustrates best practice for design and construction in respect to ensuring thermal performance and air barrier continuity, and must be implemented with due regard to site conditions and all other requirements imposed by Building Regulations.

Site Manager/Supervisor: ..... Site Name: ..... Plot No: ..... Date: / /

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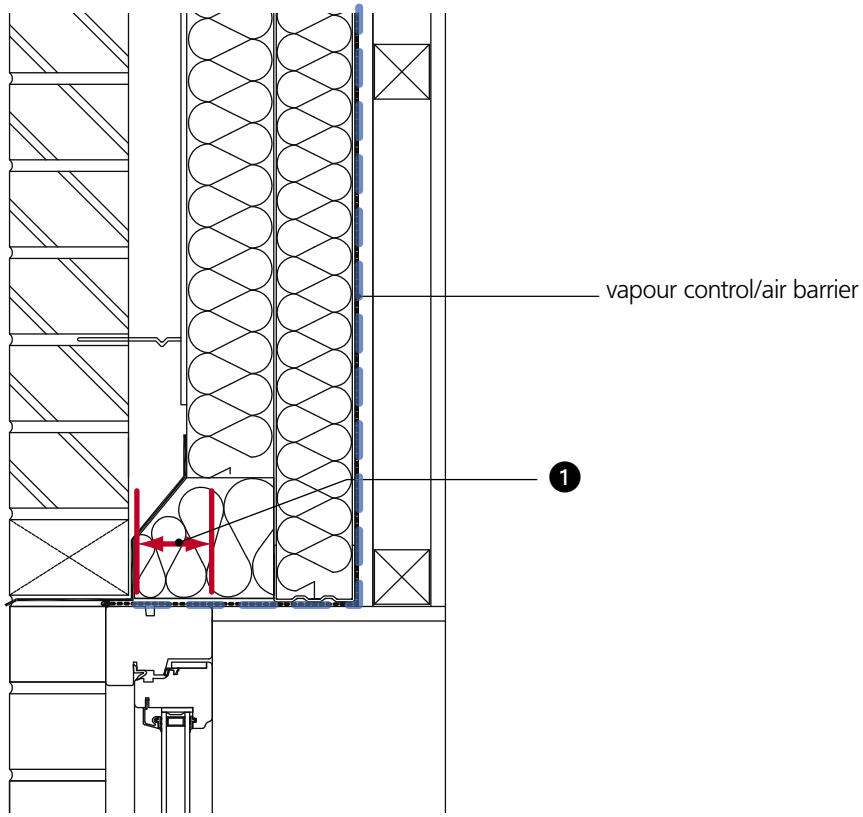
Enhanced Detail SF01 Lintel (A)

Use this detail instead of ACD: SFW-WD-01



Suggested construction sequence including site check list	✓	
Fit proprietary insulated cavity closer and ensure this will be in contact with window/door frame.	☐	T
Fix wall air barrier/vapour control layer to steel studs and tape to cavity closers with double sided tape.	☐	A
Fix plasterboard to walls to achieve required fire resistance.	☐	
Fix 50 mm deep (width dependent on services to be provided) horizontal battens at maximum 600 mm vertical centres to wall.	☐	
Erect internal walls.	☐	
Fix services to wall plasterboard (into studs).	☐	
Place plasterboards to walls and tape joints or provide skim finish.	☐	
Provide a mastic seal to all service penetrations, and to window/door frame internally/externally.	☐	A

Ψ = -0.010 W/mK

T: Thermal Performance
A: Air Barrier

❶ Minimum lap of window/door frame with insulation of 70 mm, or provide a minimum thermal resistance of this lap of 1.75 m^2K/W.

Only when three complementary Energy Saving Trust Enhanced Details are used together, and in conjunction with all other relevant ACDs, can a y-value of 0.04 be used in SAP2005. See Introductory Document for full details.

This indicative guidance illustrates best practice for design and construction in respect to ensuring thermal performance and air barrier continuity, and must be implemented with due regard to site conditions and all other requirements imposed by Building Regulations.

Site Manager/Supervisor: ..... Site Name: ..... Plot No: ..... Date: / /

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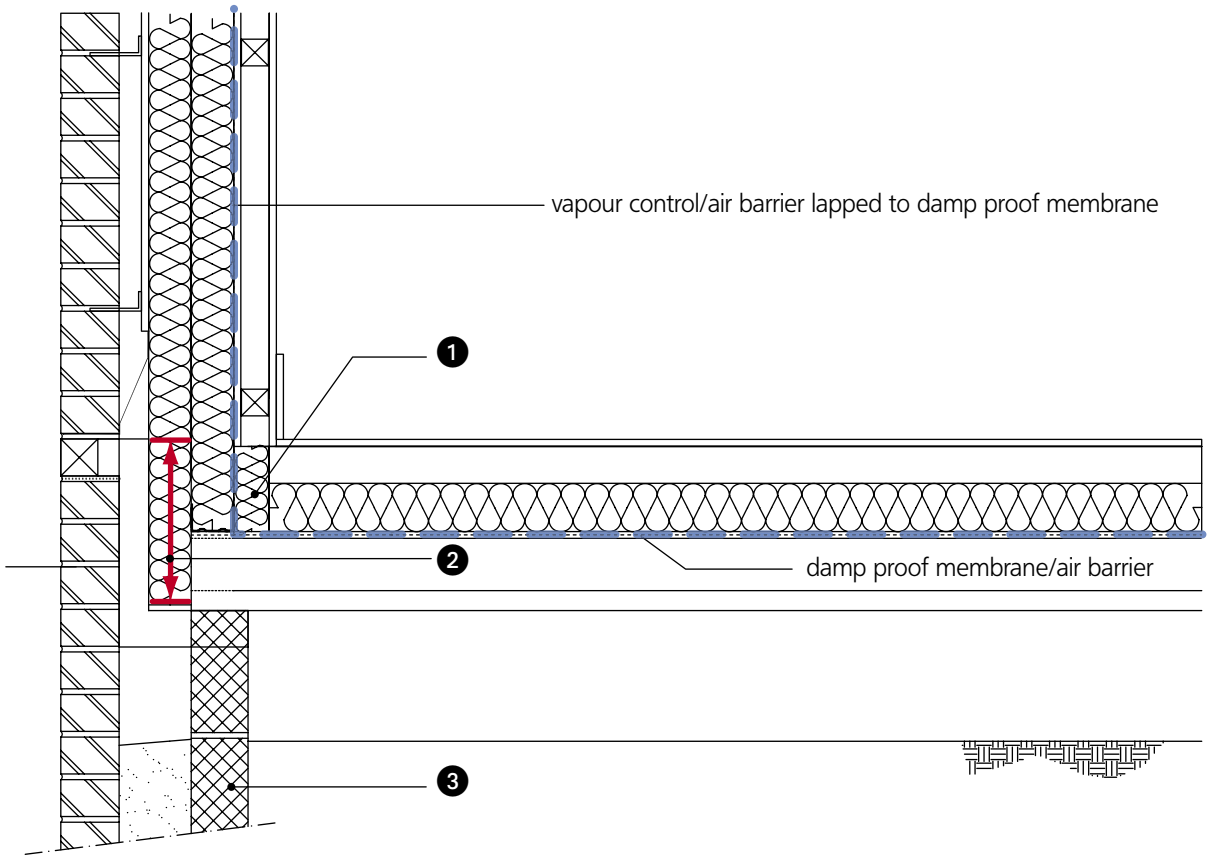
Enhanced Detail SF01 Lintel (B)

Use this detail instead of ACD: SFW-WD-01



Suggested construction sequence including site check list ✓

Grout/cement wash surface of block and beam floor to seal joints.	☐	A
Lay floor damp proof membrane/air barrier over floor and lap up walls by 300 mm and temporally fix to studs. Any services penetrations through air barrier to be suitably sealed.	☐	A
Fix wall air barrier/vapour control layer to steel studs and lap/tape over floor damp proof membrane/air barrier.	☐	A
Fit perimeter upstand insulation with a minimum thermal resistance of 3.04 m^2K/W hard up against studs up to height of screeded finish.	☐	T
Lay floor insulation hard up against perimeter insulation.	☐	T
Screed floor.	☐	
Fix plasterboard to walls to achieve required fire resistance.	☐	
Fix 50 mm deep (width dependent on services to be provided) horizontal battens at maximum 600 mm vertical centres to wall (into studs).	☐	
Fix services to wall plasterboard (into studs).	☐	
Place plasterboards to wall and tape joints or provide skim finish.	☐	
Fit skirting boards and provide a mastic seal between floor and skirtings, and to all service penetrations.	☐	A

$\Psi = 0.074$ W/mK

T: Thermal Performance
A: Air Barrier

1. Minimum thermal resistance of the perimeter insulation upstand to achieve 3.04 m^2K/W.
2. Overlap of insulation to be 300 mm minimum.
3. Blockwork of maximum 0.19 W/mK dry thermal conductivity.

Only when three complementary Energy Saving Trust Enhanced Details are used together, and in conjunction with all other relevant ACDs, can a y-value of 0.04 be used in SAP2005. See Introductory Document for full details.

This indicative guidance illustrates best practice for design and construction in respect to ensuring thermal performance and air barrier continuity, and must be implemented with due regard to site conditions and all other requirements imposed by Building Regulations.

Site Manager/Supervisor: ..... Site Name: ..... Plot No: ..... Date: / /

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Enhanced Detail SF01-F01 (A)

Use this detail instead of ACD: SFW-GF-01