

Gable Spandrel Panel. Panel to be formed from 38x89mm or 47x97mm C16 timber studs at max. 600mm centres. All studs fixed to perimeter chords with 2 No. 90mm ARS nails. Outside face of spandrel to be clad in OSB3 and fixed to studs with 50mm ARS nails at 300mm centres along stud and 150mm centres around perimeter. Spandrel to be protected with protective membrane and fixed to OSB through banding tape to provide centres of studs for brick layers.

Staifix - STF6 Timber frame Cavity Wall Tie. Fixed at NHBC approved spacing. Wall tie to be fixed to spandrel studs with ARS nails provided. Stud in spandrel are located by the white banding tape.

Spandrel fixed to H+H Vertical Wall Panels with 1.2m lateral restraint straps at 1.8m centres. Straps fixed to spandrel with 6 No. 30mm Square Twist nails (not shown for clarity). Straps fixed to Vertical Wall Panels with 3 x No. 8 Gauge 50mm screws into wall plugs.

DPC cavity tray with breather paper skirt dressed over on site to allow DPC to be lapped in behind. Cavity tray to be tucked under by minimum 100mm. Weepholes to be positioned to achieve 650mm² every 1.2m.

Spandrel fixed to wall plate with 90mm ARS nails at 150mm offset centres. Nails to be 25mm from edge of sole chord.

100mm pvc sleeved fibreglass quilt stop to top of cavity

50x100mm C16 wall plate on 2mm thin joint mortar adhesive bed. Fixed to top of H+H Vertical Wall Panel with Helifix Turbofast 8mmØx150mm fixings. Fixings positioned at 240mm centres along full length. Wall plate to be a minimum of 2m lengths and lap jointed at all connections.

102.5 outer leaf brick

Partial Fill cavity Insulation

Helical wall ties

Loft insulation between and over bottom chord of roof truss ensuring insulation covers sole chord of spandrel. Insulation to abut OSB in Spandrel.

Longitudinal top chord bracing and web bracing fixed to bearers with 90mm ARS nails, site fixed to inside face of spandrel and 45x72mm timber ledger above. Refer to truss layout for position.

Plasterboard

Cullen RST-3 restraint strap fixed to top face of ceiling chord. Strap to be fixed to atleast 3 trusses and fully supported with noggins. Strap fixed to each truss with 1 No. 30mm square twist nail and to each noggin with 3 equally spaced 30mm square twist nails. Straps at Max 1.8m centres. Strap fixed to side of structural stud in spandrel with Min. 4 Square twist nails.

Solid noggins in ceiling chord of spandrel to be a minimum of 50% the depth of the sole chord to allow services to run underneath.

1200 Vertical strap

12.5mm Plasterboard on 10mm Dabs

Vertical Wall Panel. Compressive strength 4N/mm². Thermal conductivity - 0.17W/Mk

REV.	DATE.	DESCRIPTION.	BY.

These details have been produced for guidance only. It is the responsibility of the building designer to ensure that the details shown are compatible with the overall building design and will satisfy the relevant parts of the Building Regulations applicable before they are adopted into the project design.



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TITLE Vertical Wall Panel detail
Gable wall spandrel - Base

DWG No. VED055

DRAWN BY MAB CHECKED BY SJK

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Gable wall spandrel panel - base detail