

AFFINITY™ CLADDING SYSTEM BUILDER'S GUIDE

Ensure the cavity batten layout and window dimensions ordered are to the following guidelines.

Framing

To achieve best appearance, all framing members to be straight and true within a 5mm tolerance.

Where a vertical joint is required (the Affinity™ Cladding System uses cladding sheets that are no longer than 8m) or for joints to other cladding materials, the framing must include extra studs at the joint with a clear space of 110mm between studs.

Building Wrap

The building wrap must comply with NZ Building Code E2 / AS1 Table 23, and be installed horizontally with a minimum horizontal lap of 75mm. Where strips are joined end to end, the vertical lap must be at least 150mm.

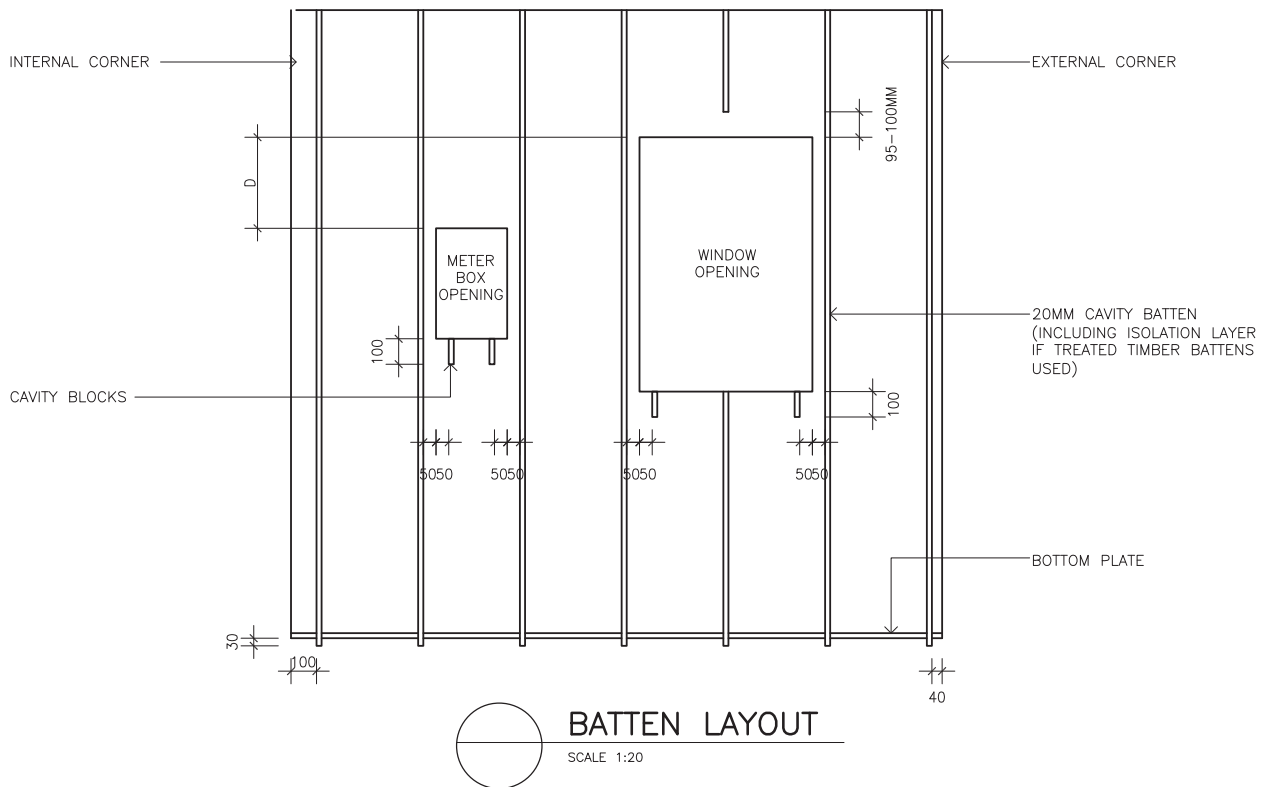
Cavity Battens

Cavity battens must be 20mm nominal thickness (min 18mm, max 22mm). If H3.1 timber battens are used, the surface must be treated to isolate the timber from the cladding. Suitable treatments are a strip of paper based underlay complying with NZ Building Code E2 / AS1 Table 23, or pre-primed battens.

Batten layout:

- a) Cavity battens are fixed over the studs. Maximum batten/stud spacing is 600mm.
- b) Keep cavity battens a minimum of 50mm away from side openings and 95-100mm away from head openings.
- c) For external corners keep cavity battens 40mm away from corner.
- d) For internal corners keep cavity battens 100mm away from corner.
- e) For meter boxes, the framed opening is to be such that the top of the opening is Dmm below the top of the window openings, where D is any number of increments of 76mm to suit the preferred meter box height above ground.
- f) Cavity battens at bottom of wall to extend 30mm below the bottom plate.
- g) Cavity batten "blocks" to be fitted to bottom of window and meter box opening. These are to be located 50mm away inside the jamb line to support the sill flashing.
- h) Walls higher than two storeys require a horizontal cavity drain flashing every second storey. This requires the flashing to be installed prior to the fixing of the battens to the upper storey. The cladding installer must be consulted to determine the location of the inter-storey joint, which will generally be to suit one cladding sheet width above the line of the lower storey window heads.
- i) If studs are at a spacing greater than 450mm then 75mm mesh or tape or wire at 300mm centres must be included to ensure that insulation is sufficiently retained and does not bulge into the cavity.
- j) If horizontal cavity spacers are used they must be set with a 5 degree minimum slope and a 50mm minimum spacing to other spacers or battens.

Continued overleaf



Cavity Closure

The cavity closure flashing at the base of the wall should be left for the cladding installer to supply and fit so that it will correctly align to the cladding sheet edge.

Soffit

Do not install soffit linings until after the cladding and soffit flashings have been installed.

Windows

- Order reveal depth to suit the cladding plus cavity depth total of 40mm.
- Order window with a minimum 20mm (tolerance +0mm, -5mm) clearance to opening (ie. maximum 10mm clearance all round).
- Ensure all openings are square between jamb and sill.
- Do not install windows until the cladding has been fitted.
- For windows that are out of alignment, the top of the frame opening must be 76.2mm or multiples of 76.2mm above or below the common window height.

Pipe Penetrations

Where pipes penetrate the entire wall, they must be sloped downwards to the exterior.



The only BRANZ Appraised profiled metal cladding system in New Zealand
NZ BUILDING CODE COMPLIANCE

The Affinity Cladding System has been tested and has passed the NZ Building Code E2 / VM1 requirements for weather tightness. Assessment by BRANZ has resulted in compliance with every relevant aspect of the NZ Building Code and the issuing of BRANZ Appraisal No. 596

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