

# Design Manual

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# 1 Application and scope

## 1.1 APPLICATION

This James Hardie junction booklet provides the most common junction details between different James Hardie cladding products and other cladding products.

These junction details have been developed based on the current knowledge and considering the current construction practices being followed in the industry.

These details have been carefully developed to minimise the moisture ingress through these junctions.

The performance of these junctions rely on the workmanship of persons installing the products.

While every care has been taken in detailing these junctions, still the designers, specifiers or installers should ensure that the selected details are suitable for the project they are working on.

When using a James Hardie cladding product, refer to the relevant James Hardie product literature for further information regarding installation, product sizes, accessories and warranty information.

Fixings, flashings and other components used must meet the durability requirements of Clause B2 of the New Zealand Building Code (NZBC). The construction method to be selected should be as per the relevant product literature.

Note: The junction flashings shown in the details are available through your local building merchants.

### Specifier

If you are a specifier or other responsible party for a project, ensure that the details in this document are appropriate for the application you are planning and that you undertake specific design to develop the details for junctions which are not covered in this manual.

### Installer

If you are an installer ensure that the flashings with at least minimum sizes as specified in these details are used.

### Make sure your information is up to date

When specifying or installing James Hardie products, ensure you have the current product manual. If you are not sure you do, or you need more information, visit [www.jameshardie.co.nz](http://www.jameshardie.co.nz) or Ask James Hardie™ on 0800 808 868.

## 1.2 SCOPE

This cladding junction detail manual is only developed for the projects which fall within the scope of buildings covered under NZS 3604 and E2/AS1.

## 1.3 RESPONSIBILITY

The specifier/designer or the other party responsible for the project is responsible for ensuring that the information and details included in this manual are suitable for the intended application.

This junction booklet must be used in conjunction with the relevant product technical specification or installation manual.

## WE VALUE YOUR FEEDBACK

To continue with the development of our products and systems, we value your input. Please send any suggestions, including your name, contact details, and relevant sketches to:

**Ask James Hardie™**  
[literaturefeedback@jameshardie.co.nz](mailto:literaturefeedback@jameshardie.co.nz)

Figure 1: Vertical junction between Linea™ Weatherboard and James Hardie flat sheet cladding

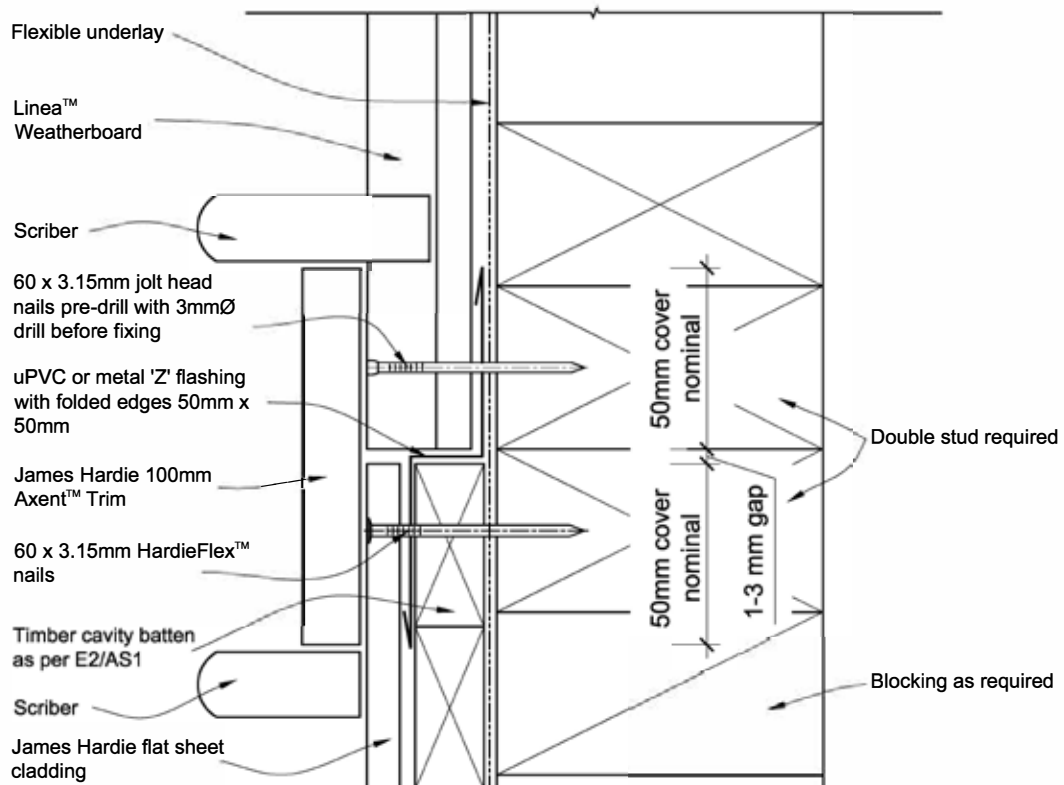


Figure 2: Vertical junction between Linea™ Weatherboard and James Hardie flat sheet cladding

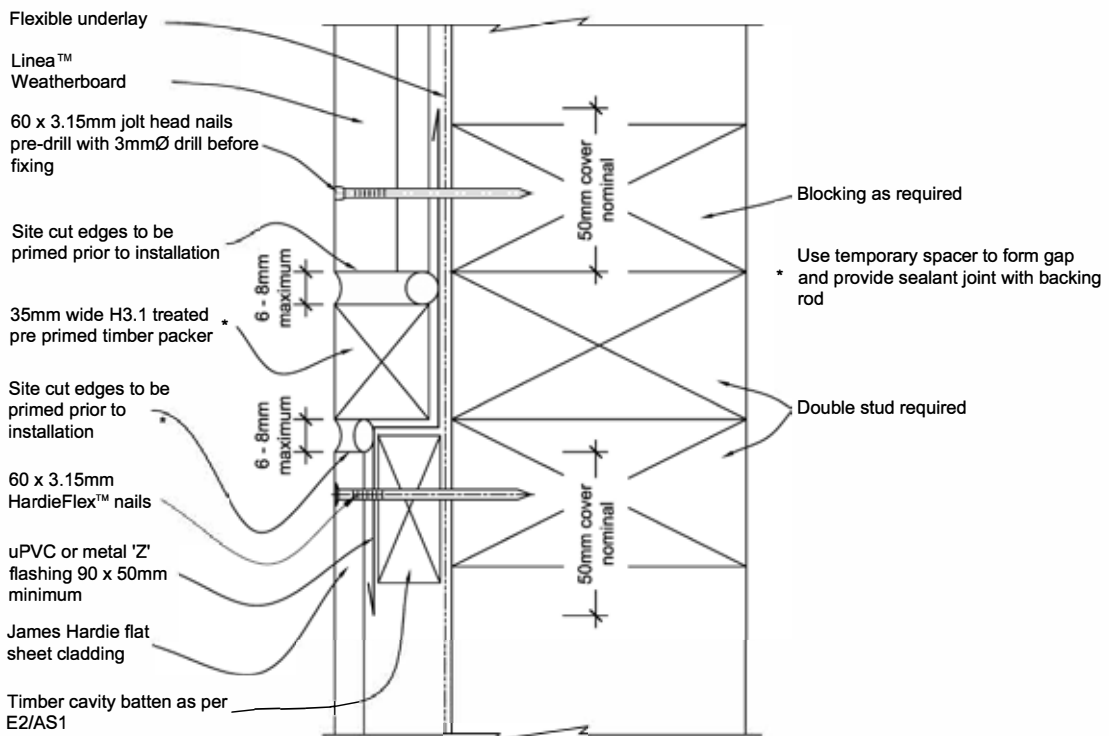


Figure 3: Vertical junction between Linea™ Weatherboard and James Hardie flat sheet cladding / Stria™ Cladding / Linea™ Oblique™ Weatherboard on cavity

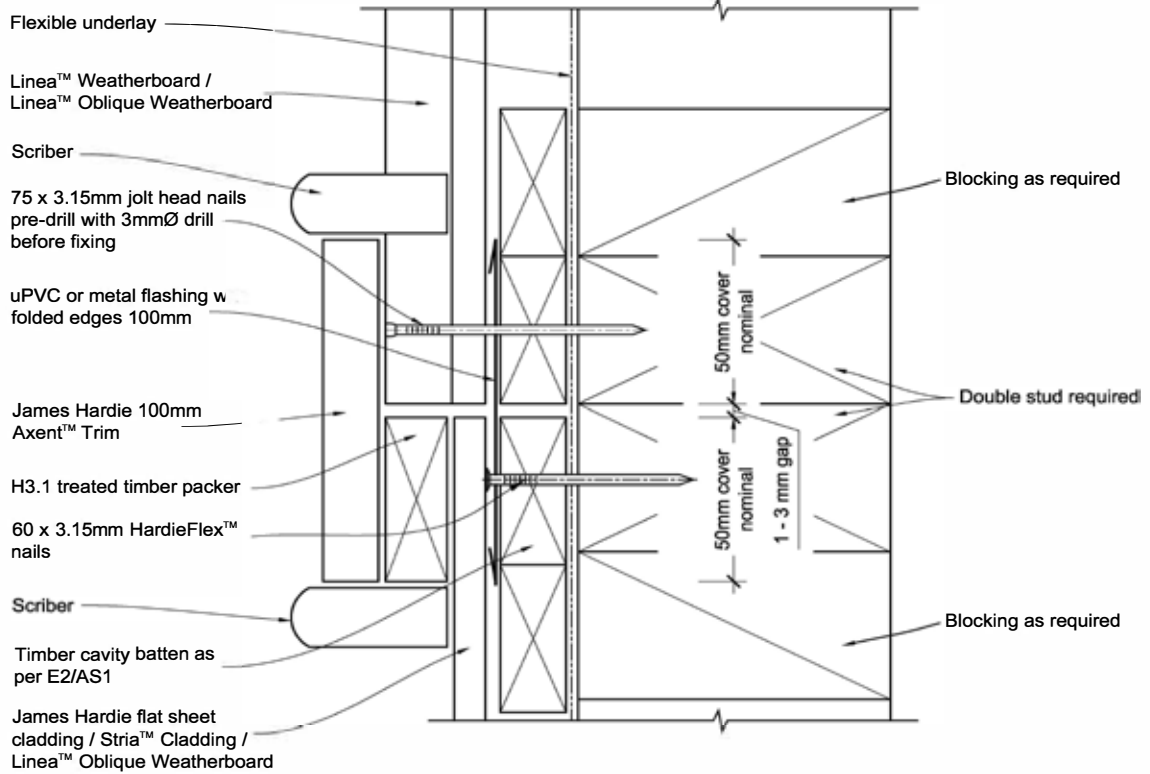


Figure 4: Vertical junction between Linea™ Weatherboard and James Hardie flat sheet cladding on cavity

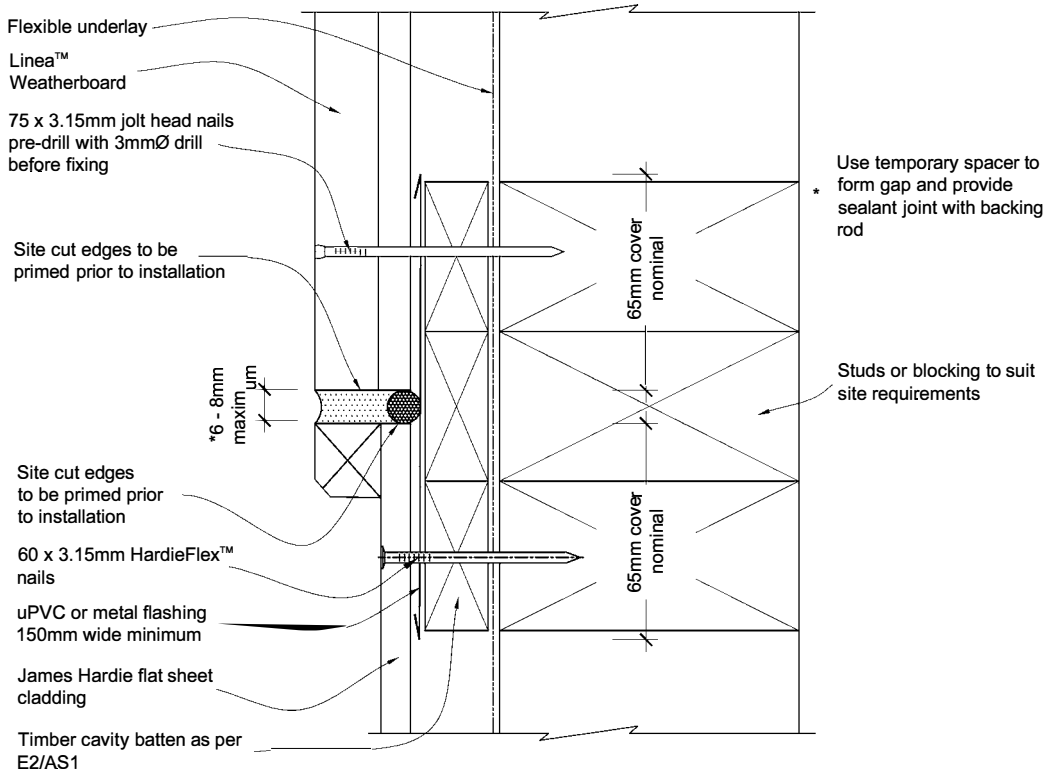


Figure 5: Internal corner junction between Linea™ Weatherboard and Titan™ Facade Panel / Axon™ Panel / EasyLap™ Panel

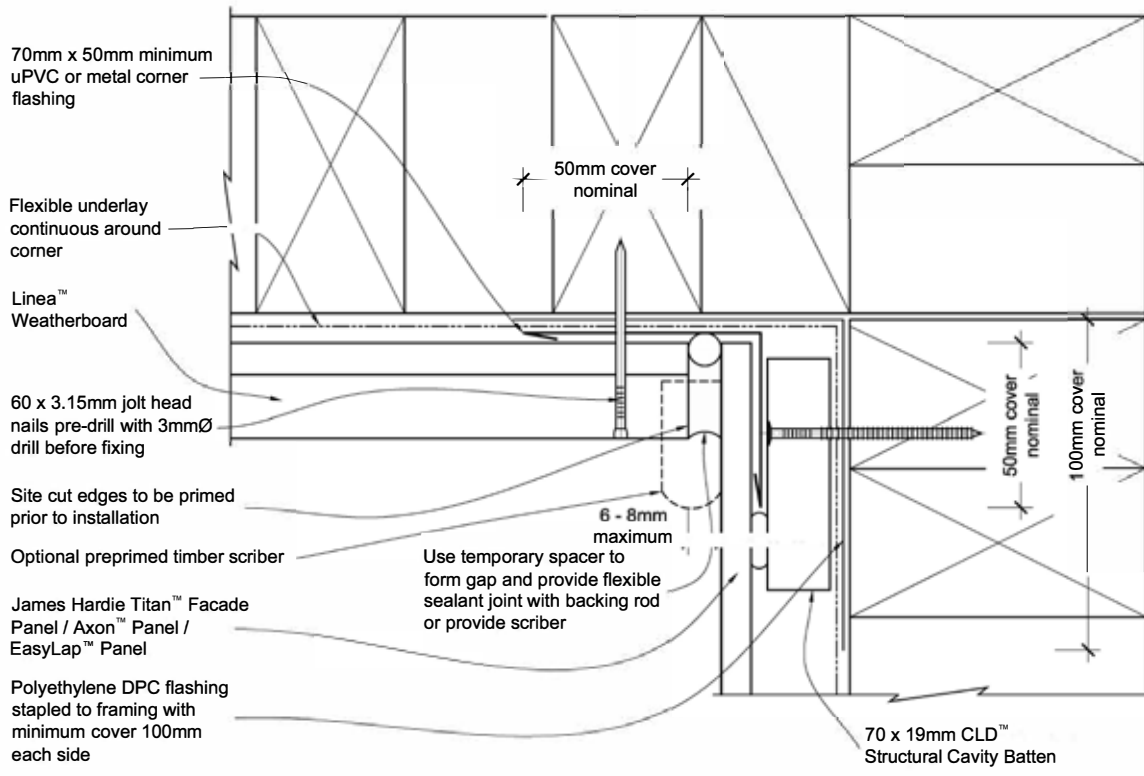


Figure 6: Internal corner junction between Linea™ Weatherboard and Titan™ Facade Panel / Axon™ Panel / EasyLap™ Panel

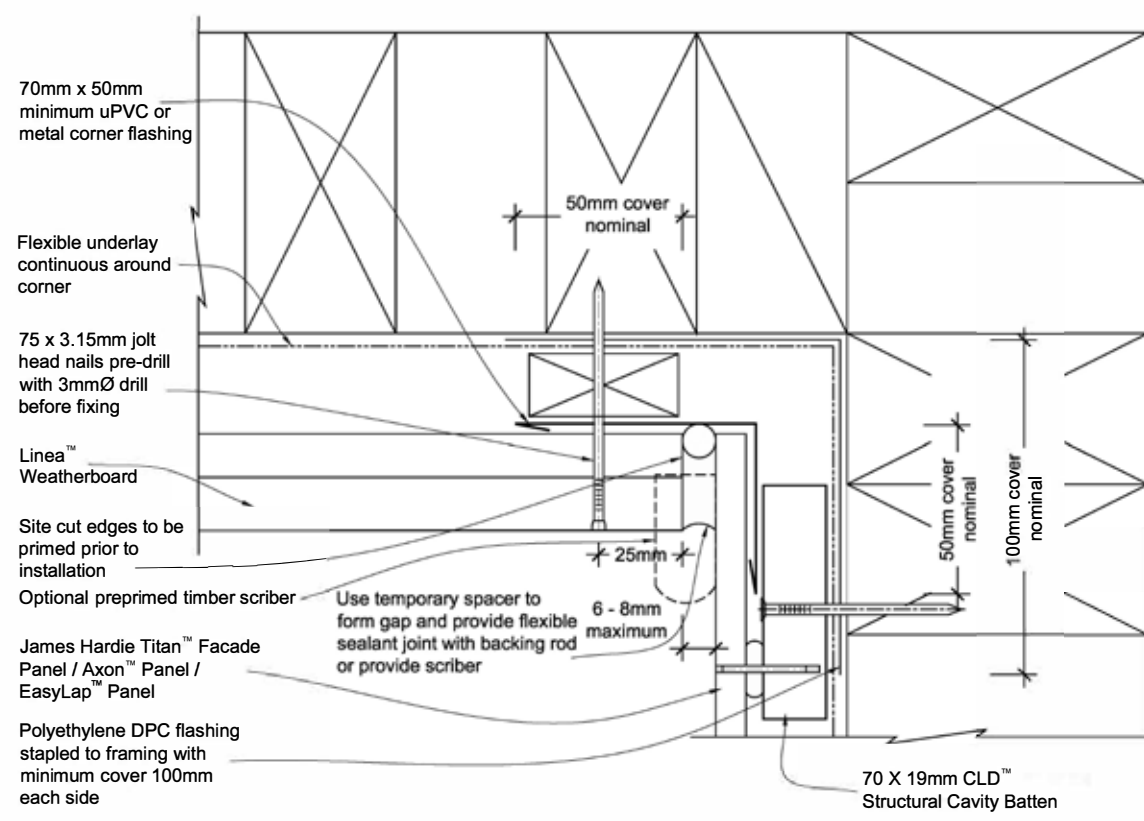


Figure 7: Internal corner junction between Linea™ Weatherboard and James Hardie flat sheet cladding / Stria™ Cladding / Linea™ Oblique™ Weatherboard

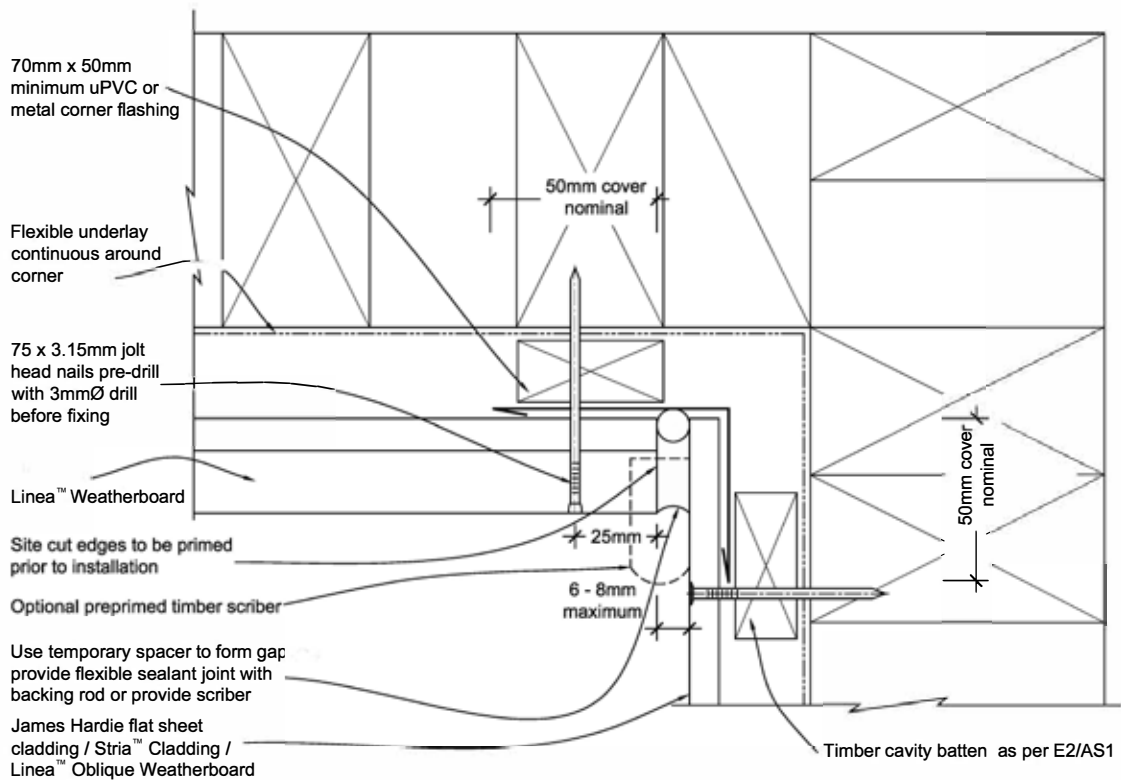


Figure 8: Internal corner junction between Linea™ Weatherboard and James Hardie flat sheet cladding / Stria™ Cladding / Linea™ Oblique™ Weatherboard

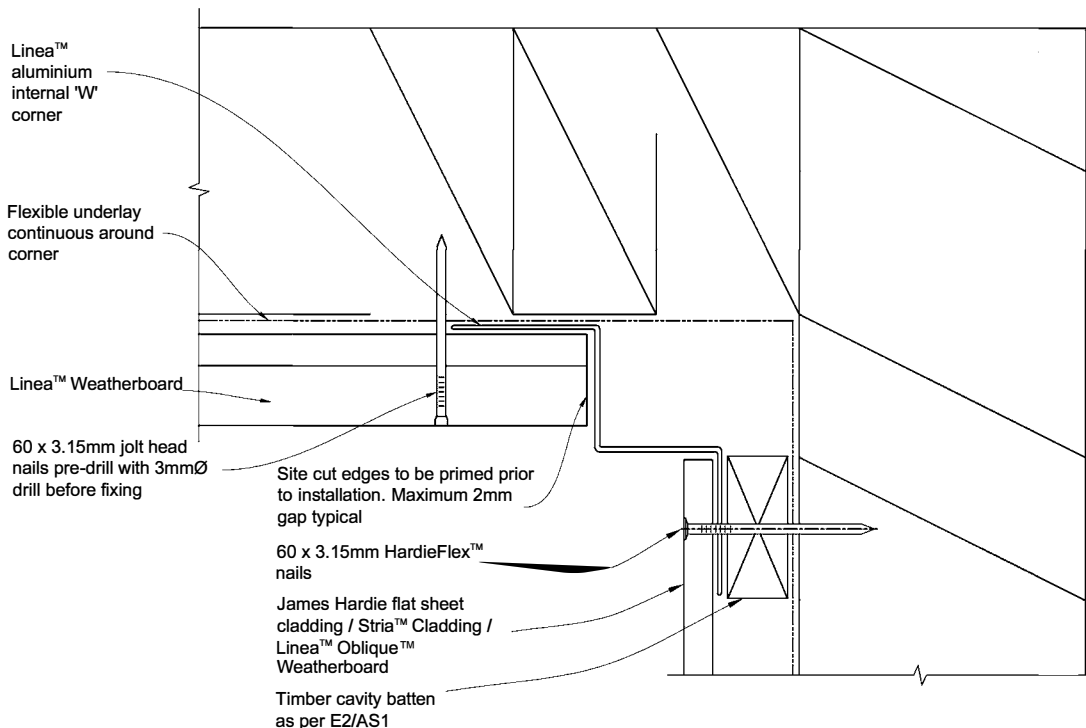


Figure 9: Internal corner junction between Linea™ Weatherboard on cavity and James Hardie flat sheet cladding / Stria™ Cladding / Linea™ Oblique™ Weatherboard

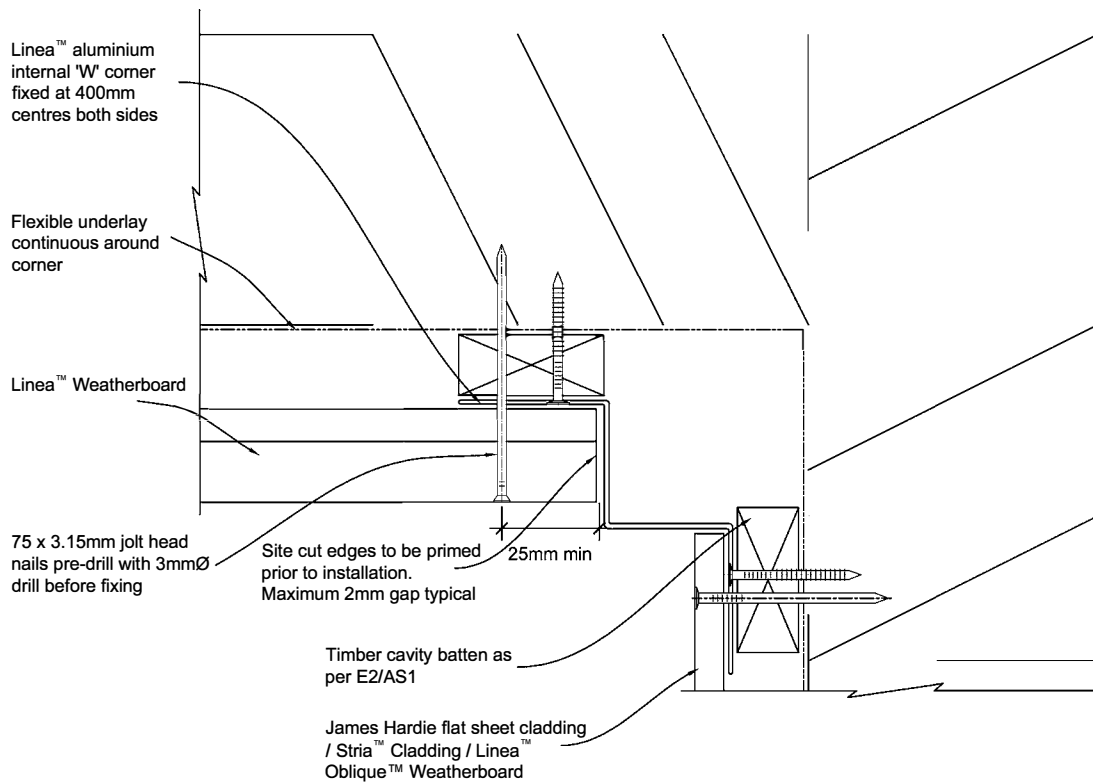


Figure 10: Internal corner junction between Linea™ Weatherboard and Titan™ Panel / Axon™ Panel / EasyLap™ Panel

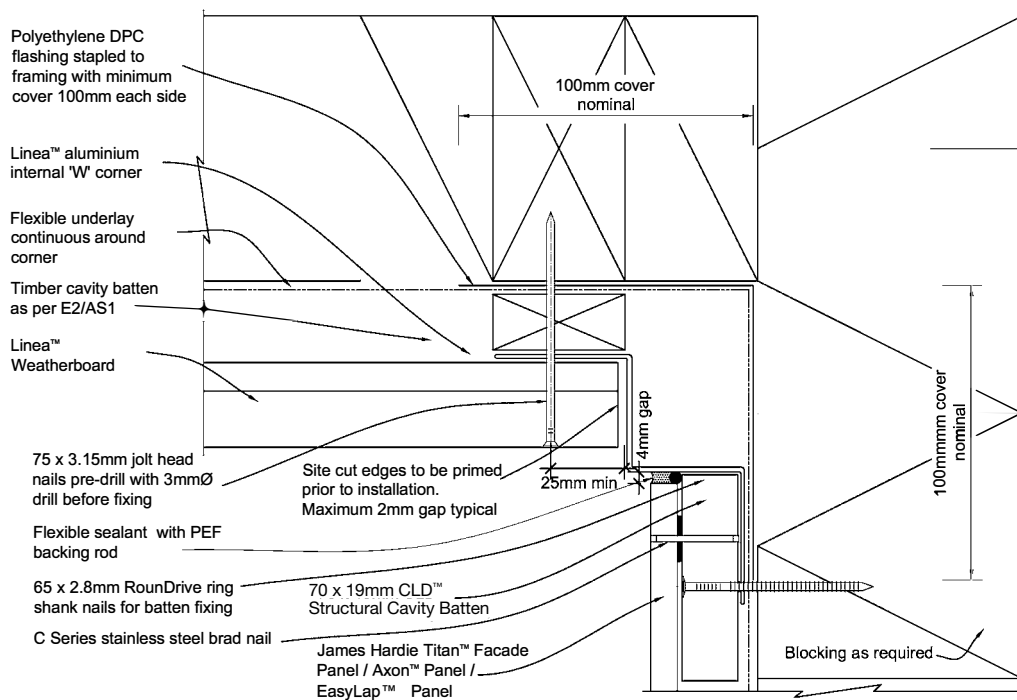




Figure 11: Internal corner junction between Stria™ Cladding and Titan™ Facade Panel / Axon™ Panel / EasyLap™ Panel

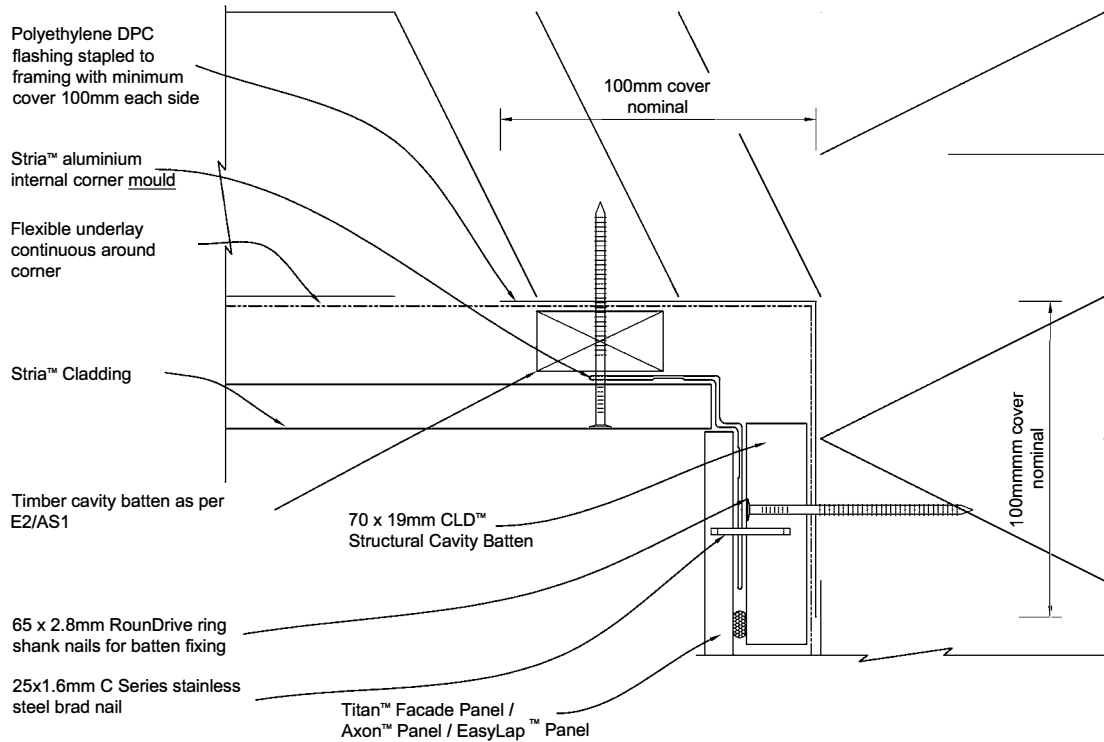


Figure 12: External corner junction between Linea™ Weatherboard and James Hardie flat sheet cladding / Stria™ Cladding / Linea™ Oblique™ Weatherboard

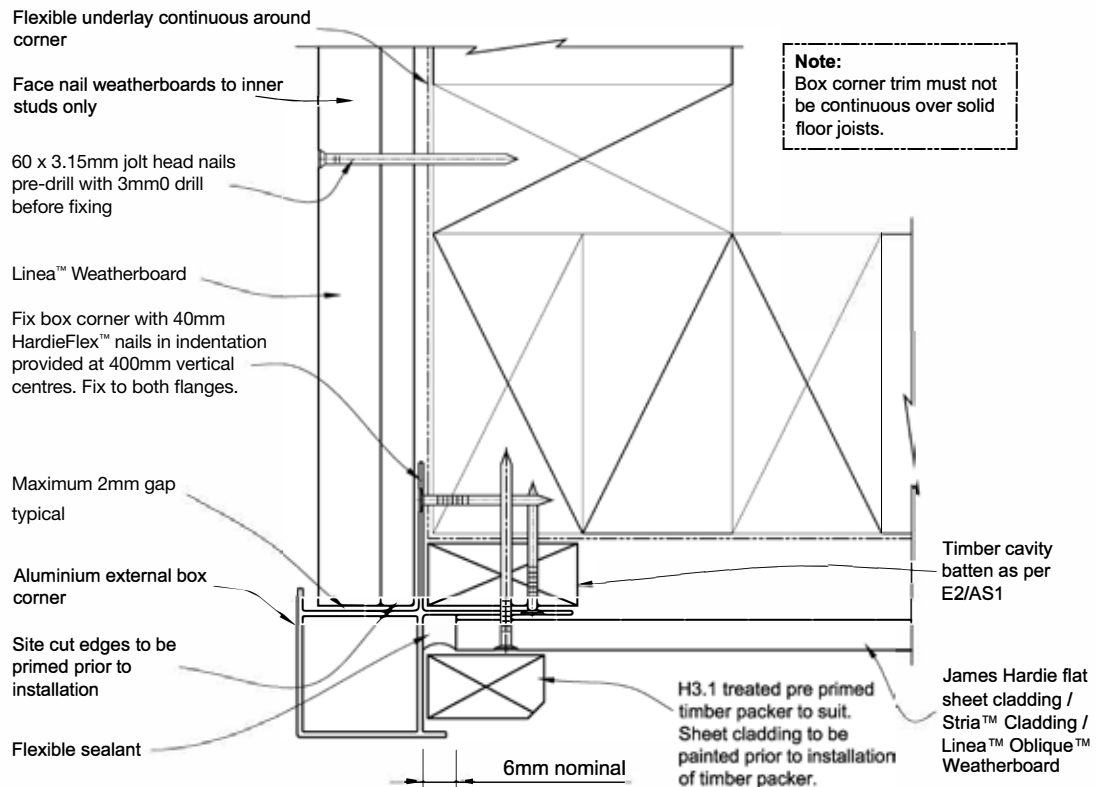


Figure 13: External corner junction between Linea™ Weatherboard and Titan™ Facade Panel / Axon™ Panel / EasyLap™ Panel

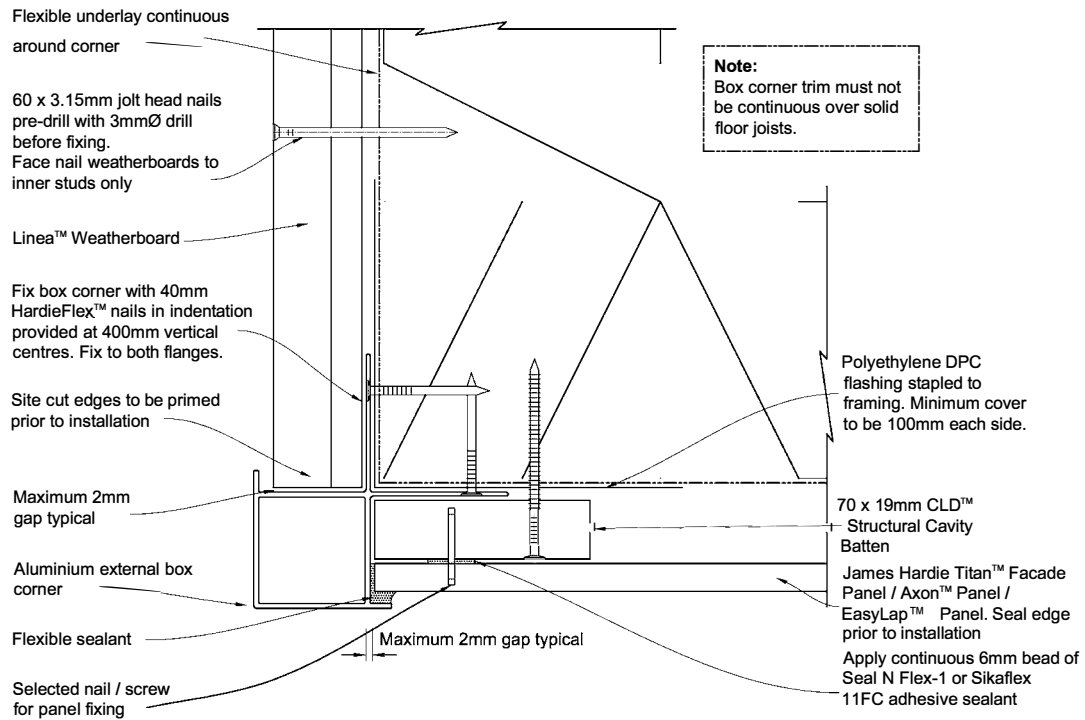


Figure 14: External corner junction between Linea™ Weatherboard on cavity and Titan™ Facade Panel / Axon™ Panel / EasyLap™ Panel

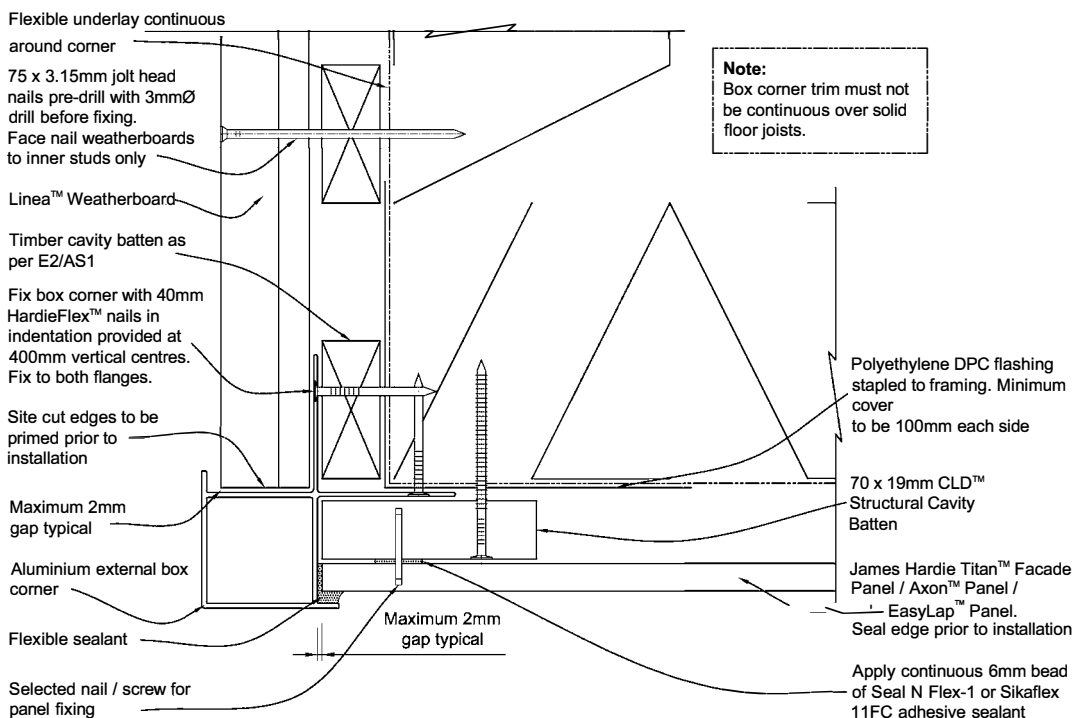


Figure 15: External corner junction between Linea™ Weatherboard on cavity and James Hardie flat sheet cladding / Stria™ Cladding

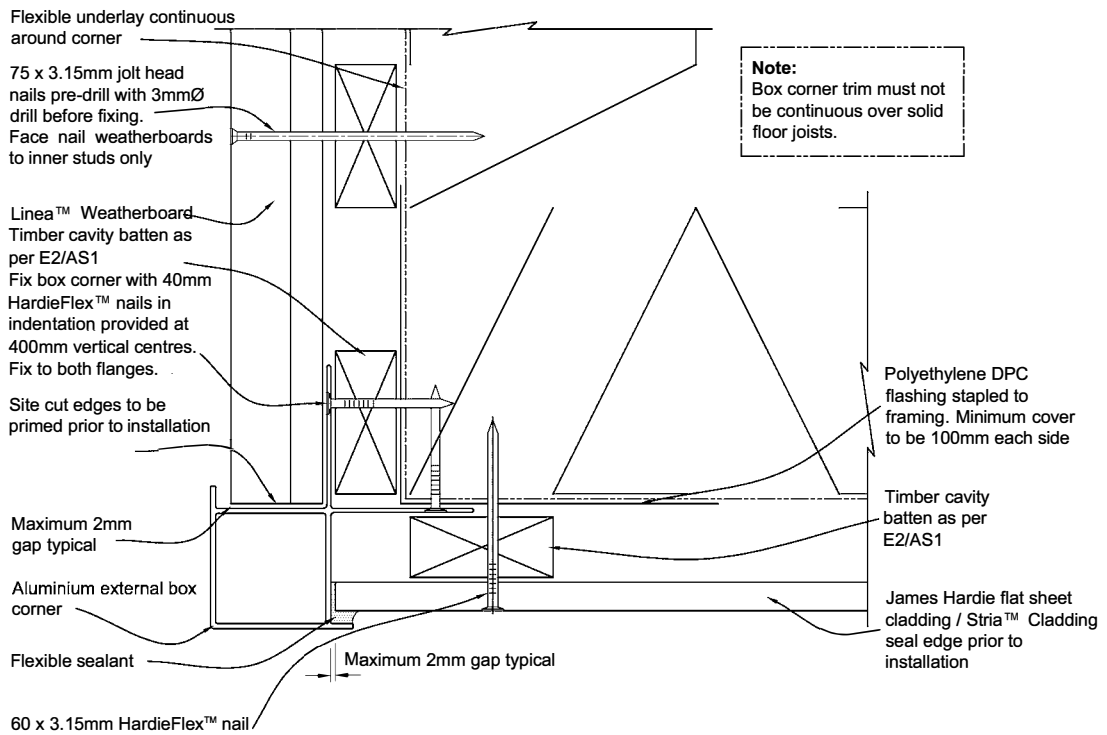


Figure 16: Junction between Linea™ Weatherboard and stucco plaster claddings

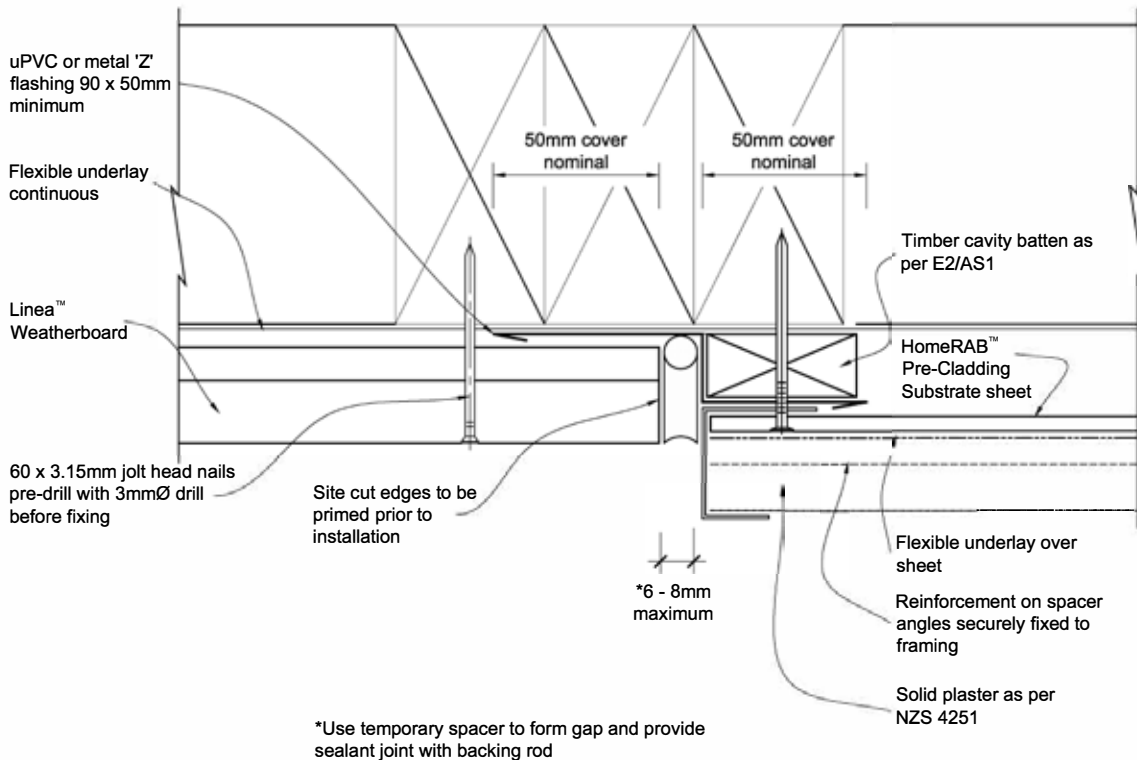


Figure 17: Internal corner junction between Linea™ Weatherboard and stucco plaster claddings

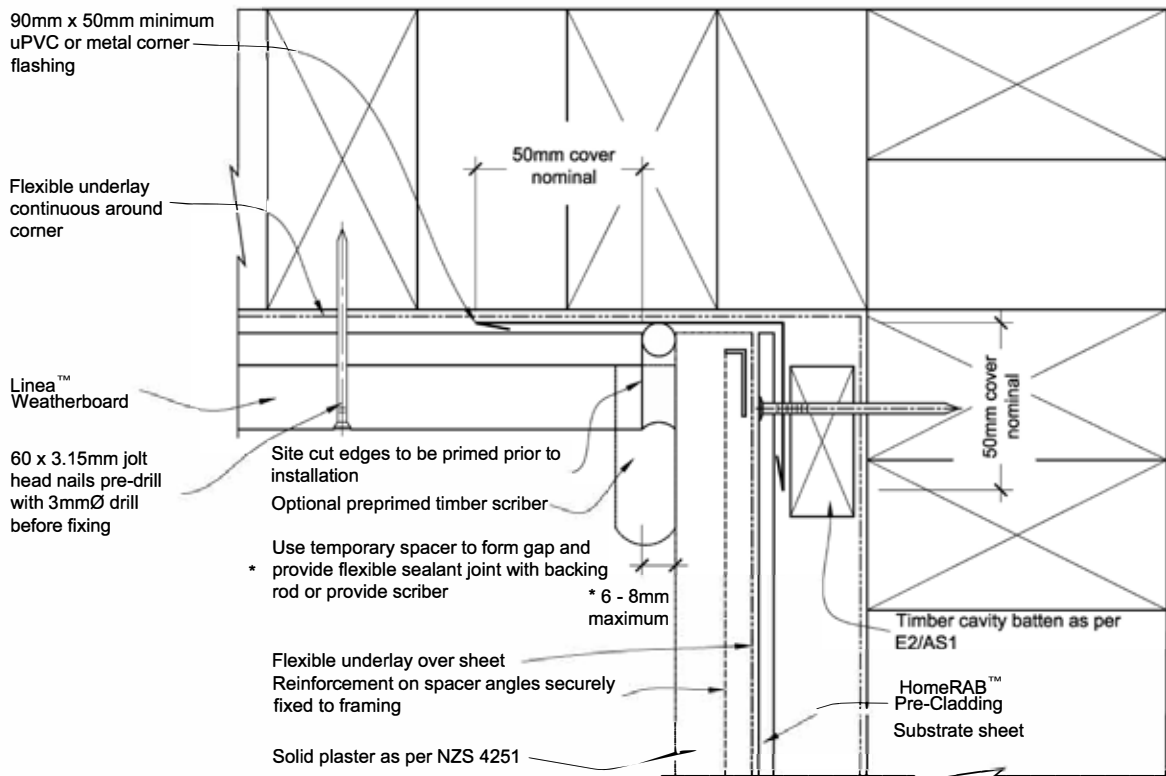


Figure 18: Internal corner junction between Linea™ Weatherboard and stucco plaster claddings

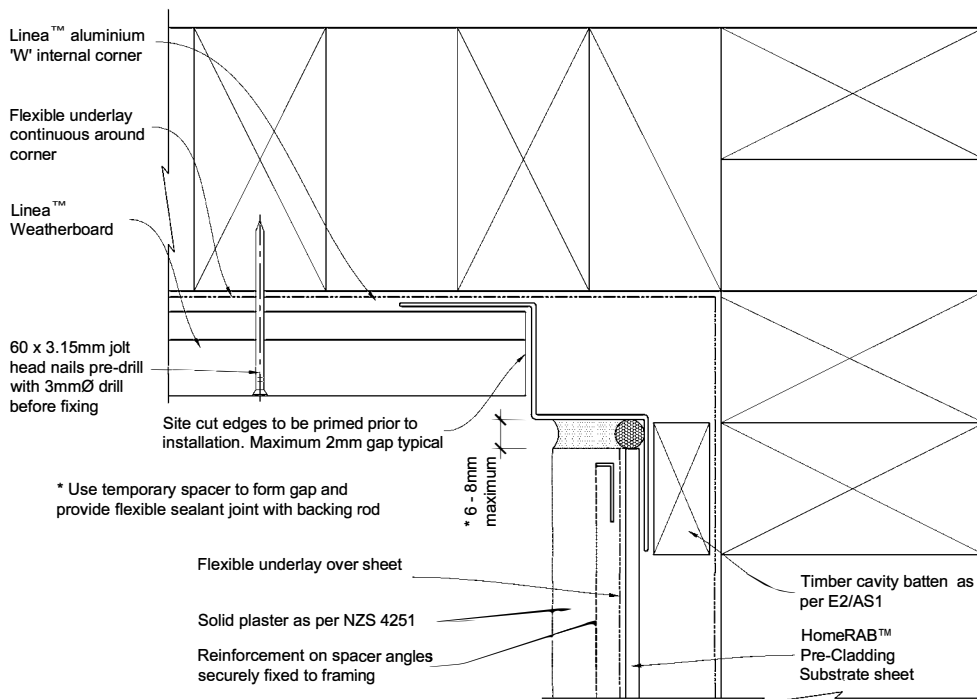


Figure 19: External corner junction between Linea™ Weatherboard and stucco plaster claddings

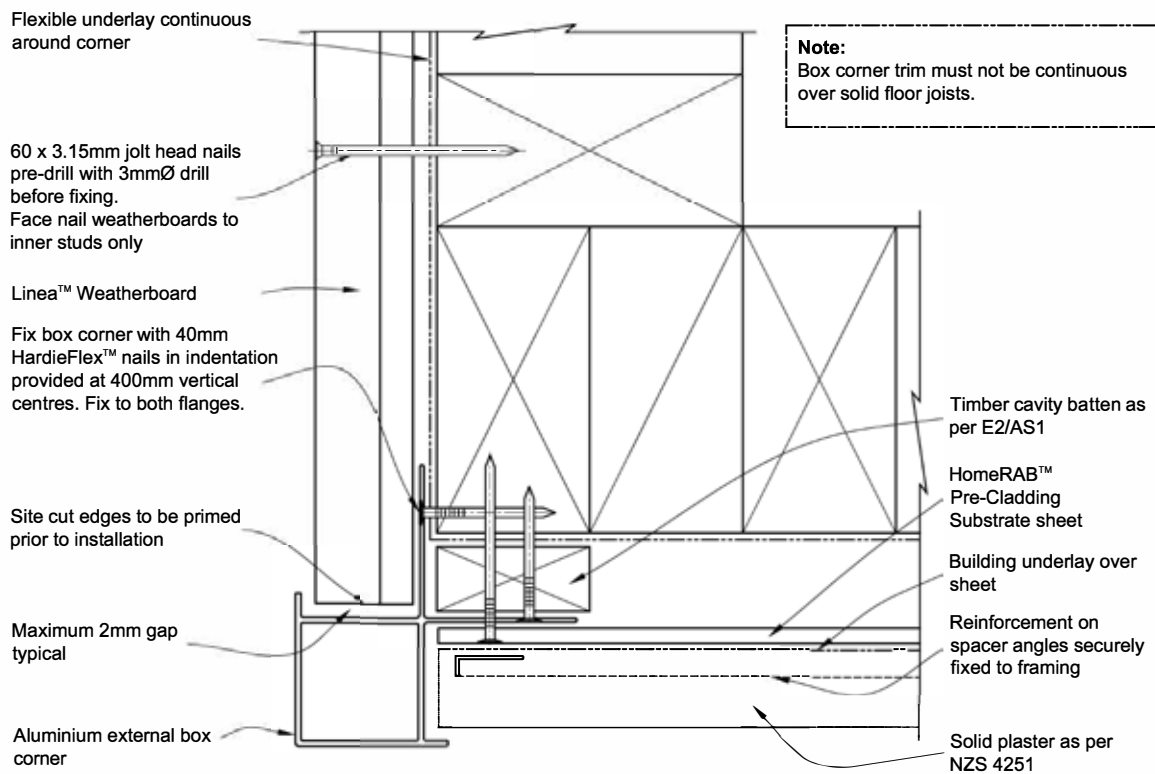


Figure 20: Junction between Linea™ Weatherboard on cavity and brick veneer

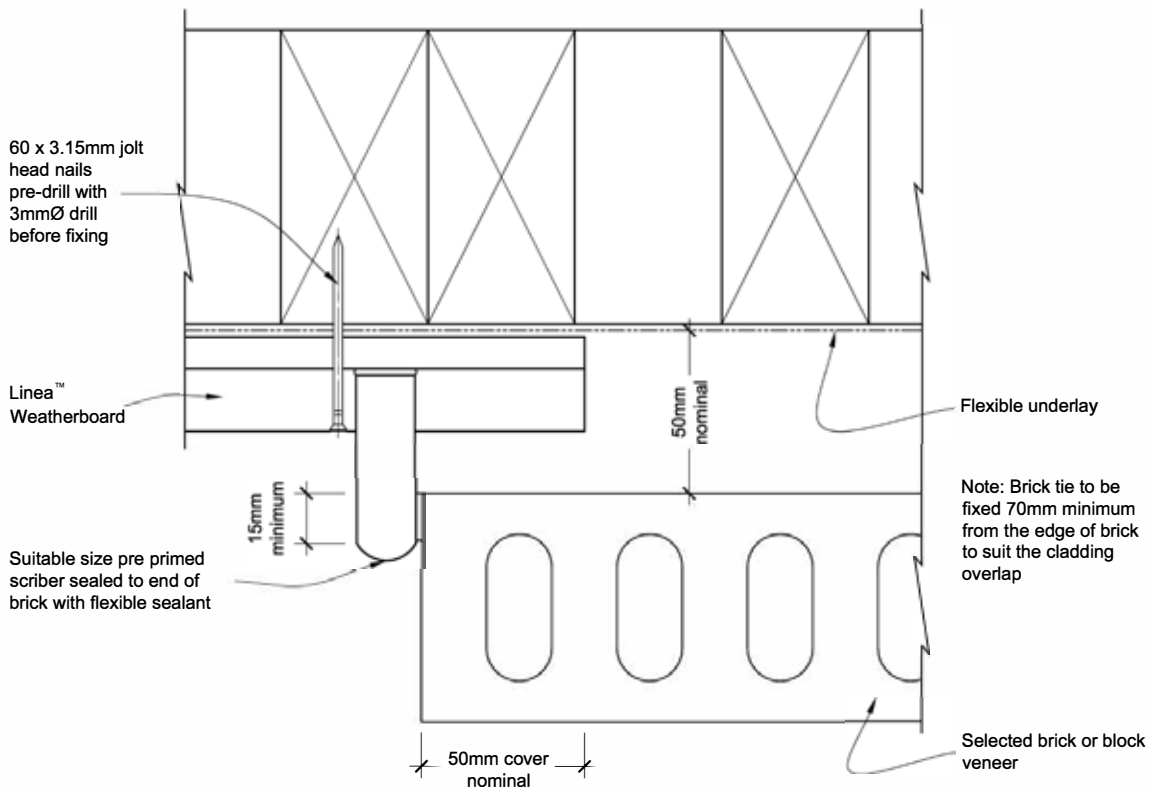


Figure 21: Internal corner junction between Linea™ Weatherboard and brick veneer

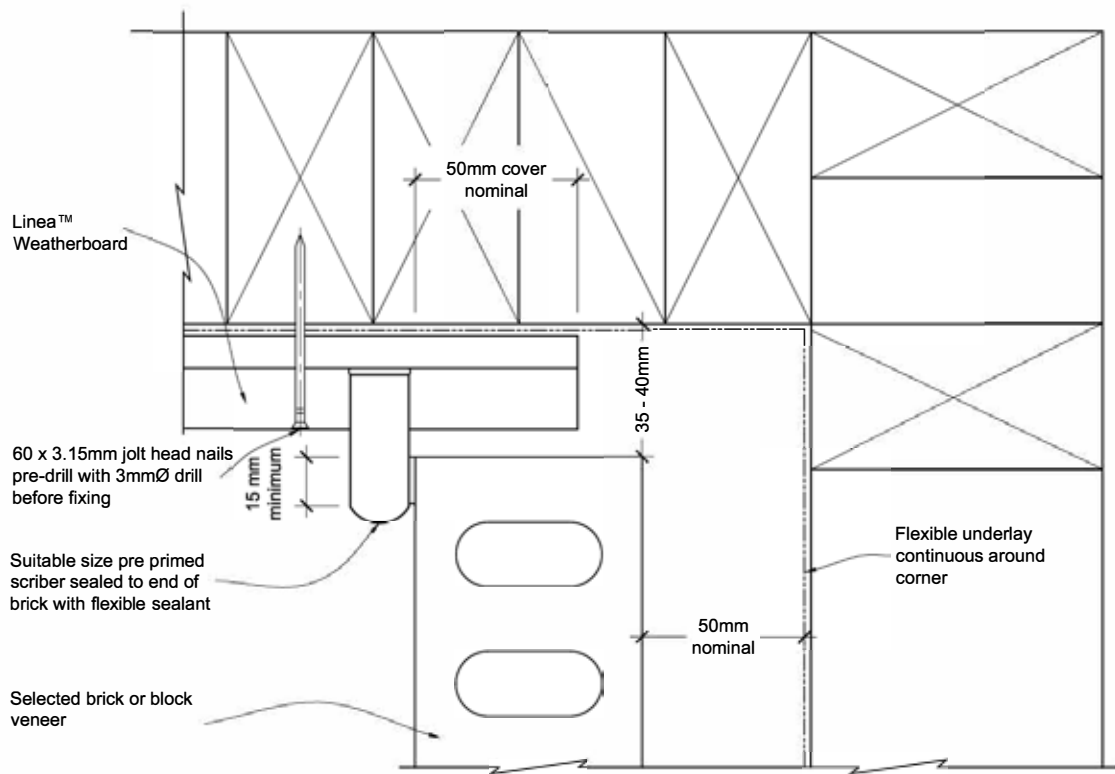


Figure 22: External corner junction between Linea™ Weatherboard and brick veneer

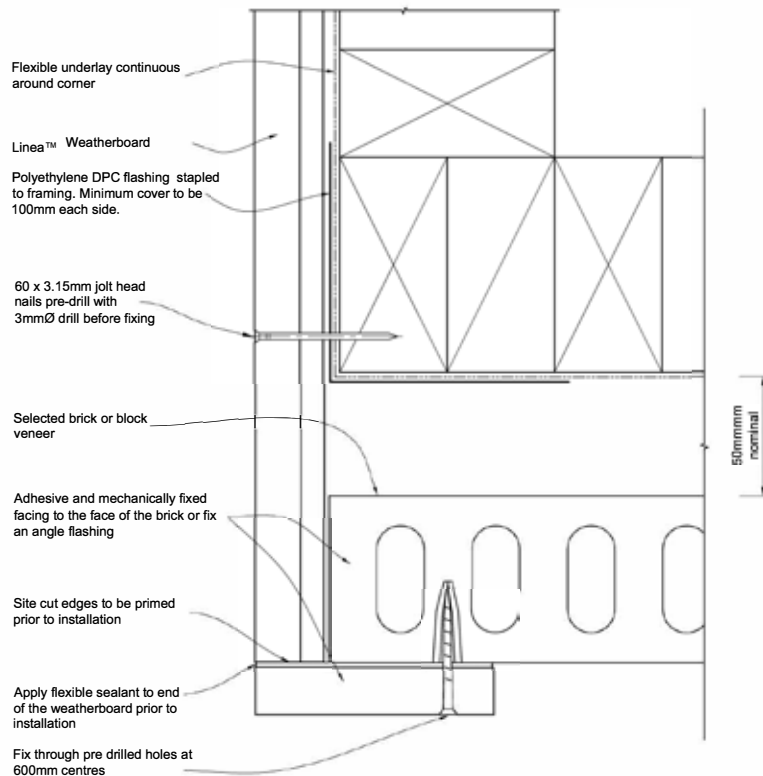


Figure 23: Junction between Linea™ Weatherboard on cavity and brick veneer

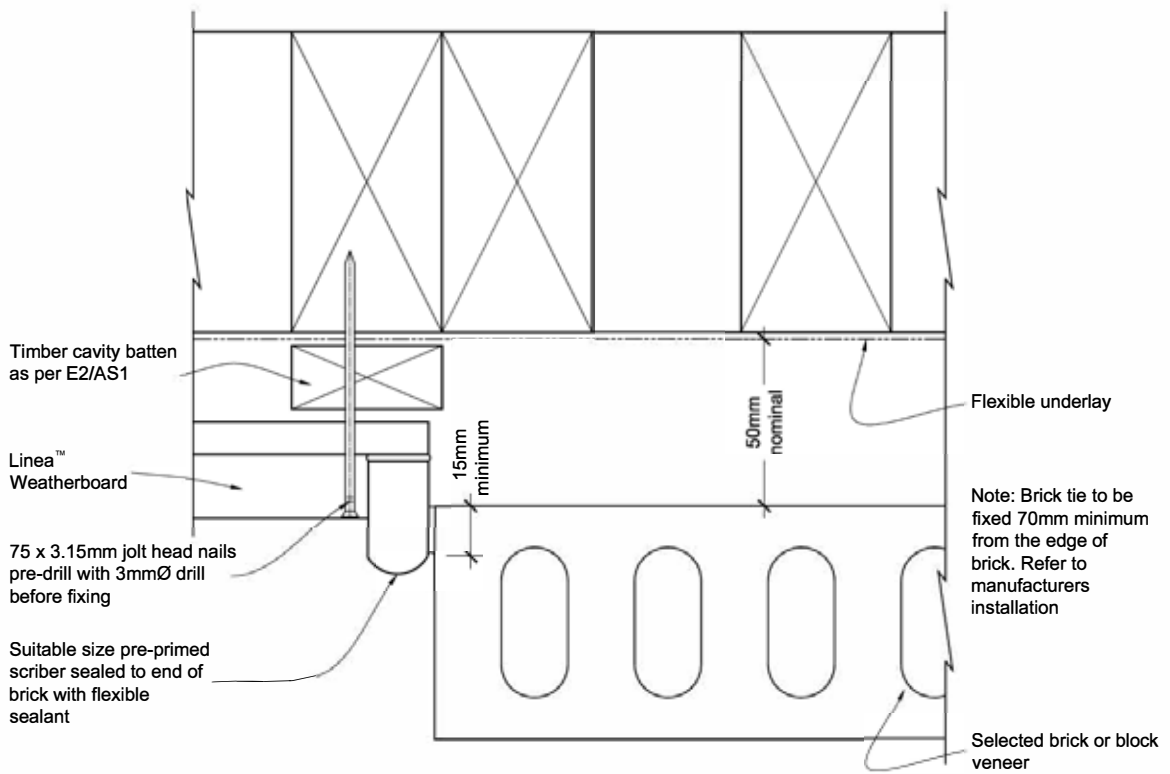


Figure 24: Internal corner junction between Linea™ Weatherboard on cavity and brick veneer

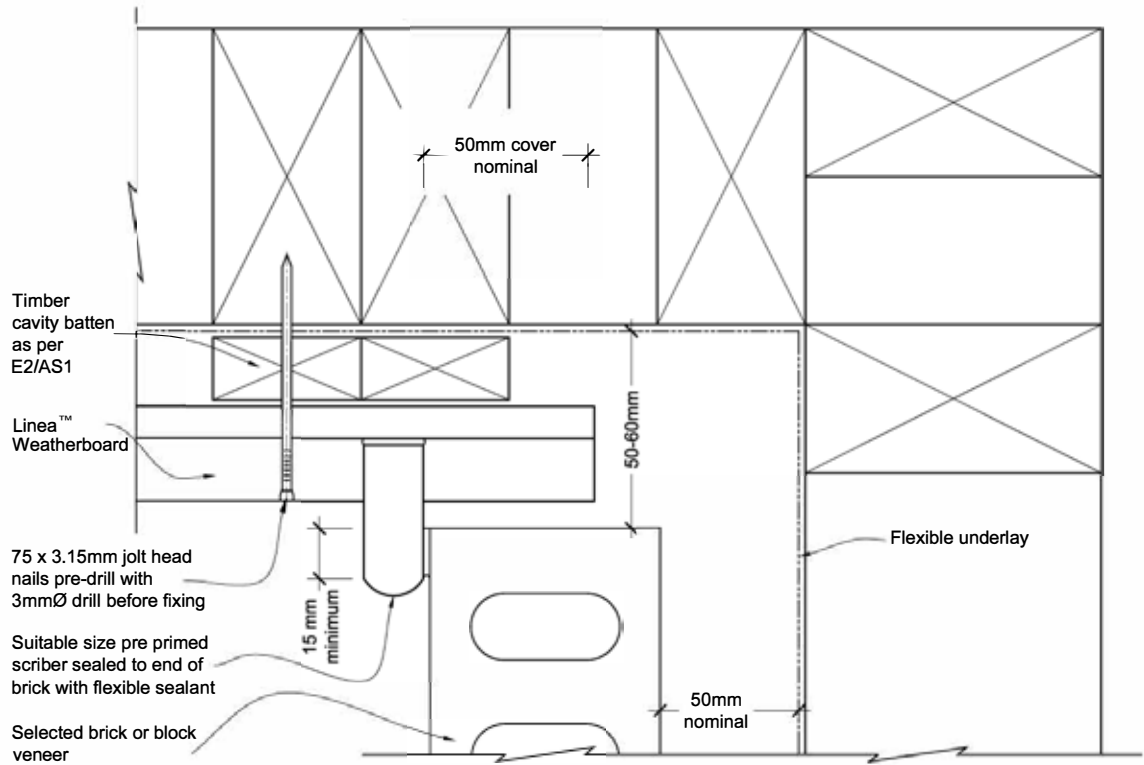


Figure 25: External corner junction between Linea™ Weatherboard on cavity and brick veneer

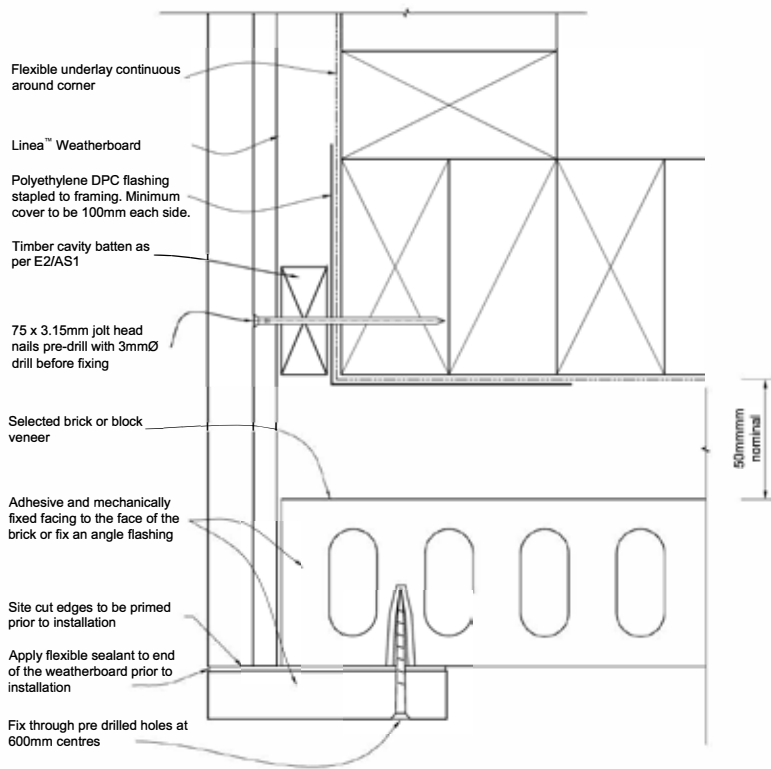


Figure 26: Vertical junction between Linea™ Weatherboard on cavity and horizontal metal cladding

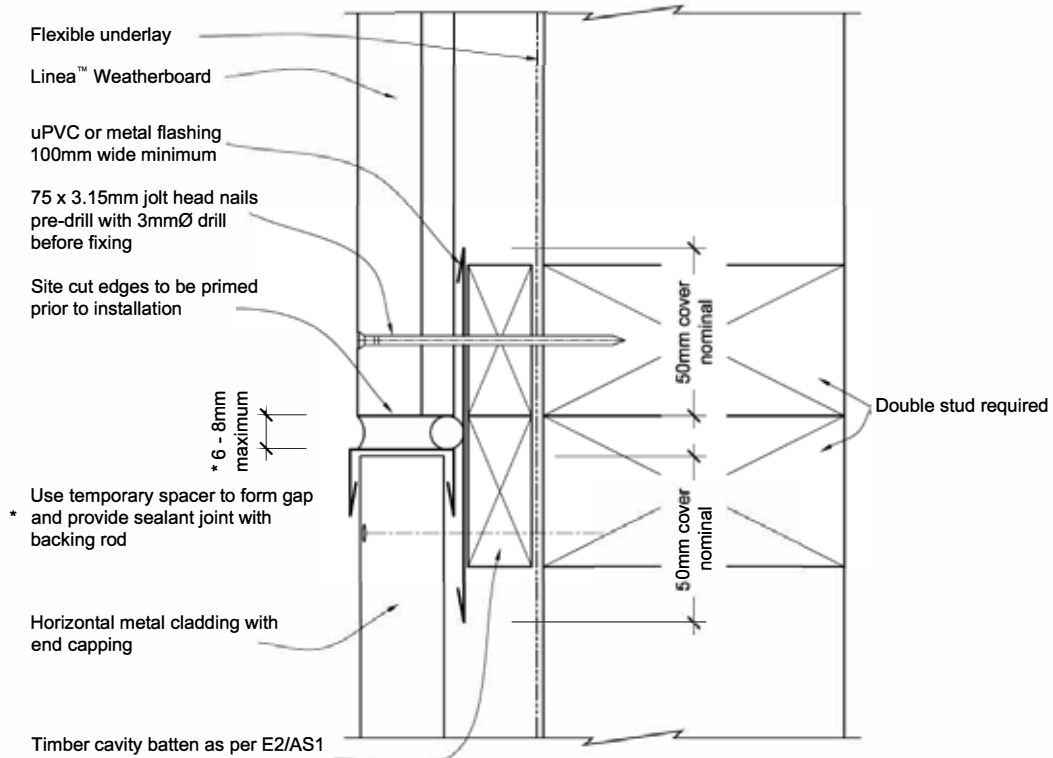




Figure 27: Internal corner junction between Linea™ Weatherboard and horizontal metal cladding

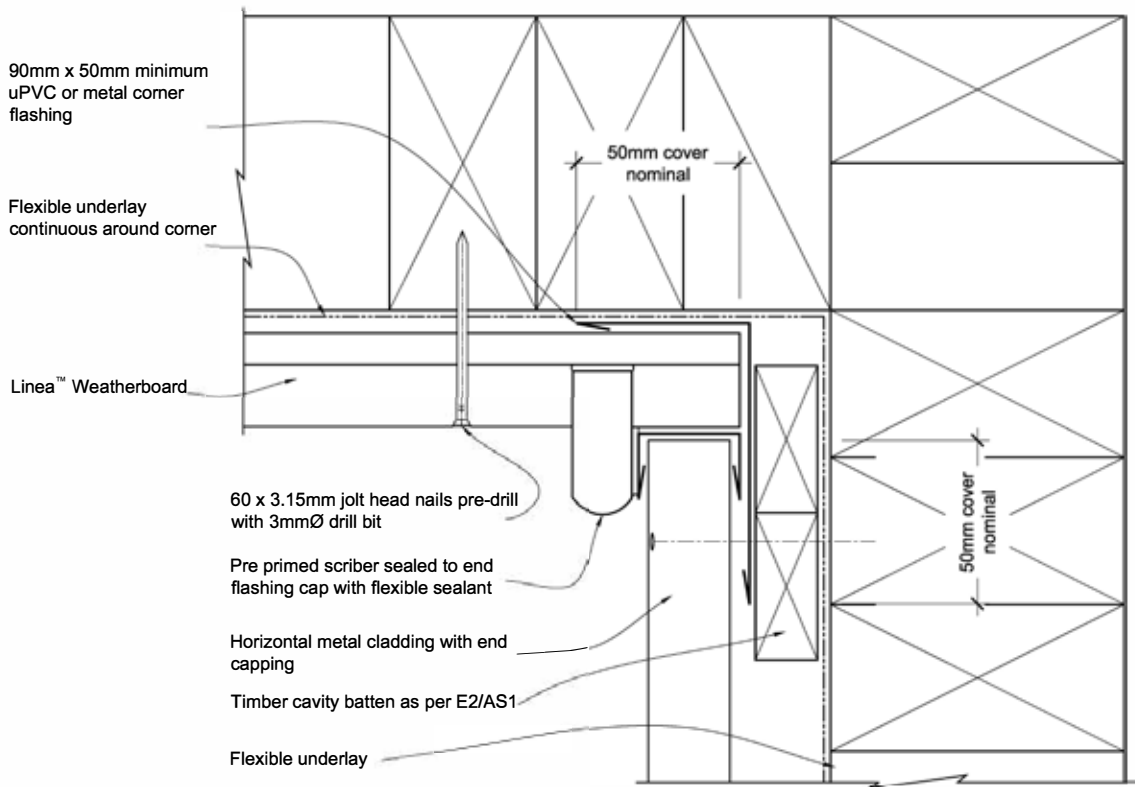


Figure 28: Vertical junction between Linea™ Weatherboard and EIFS cladding

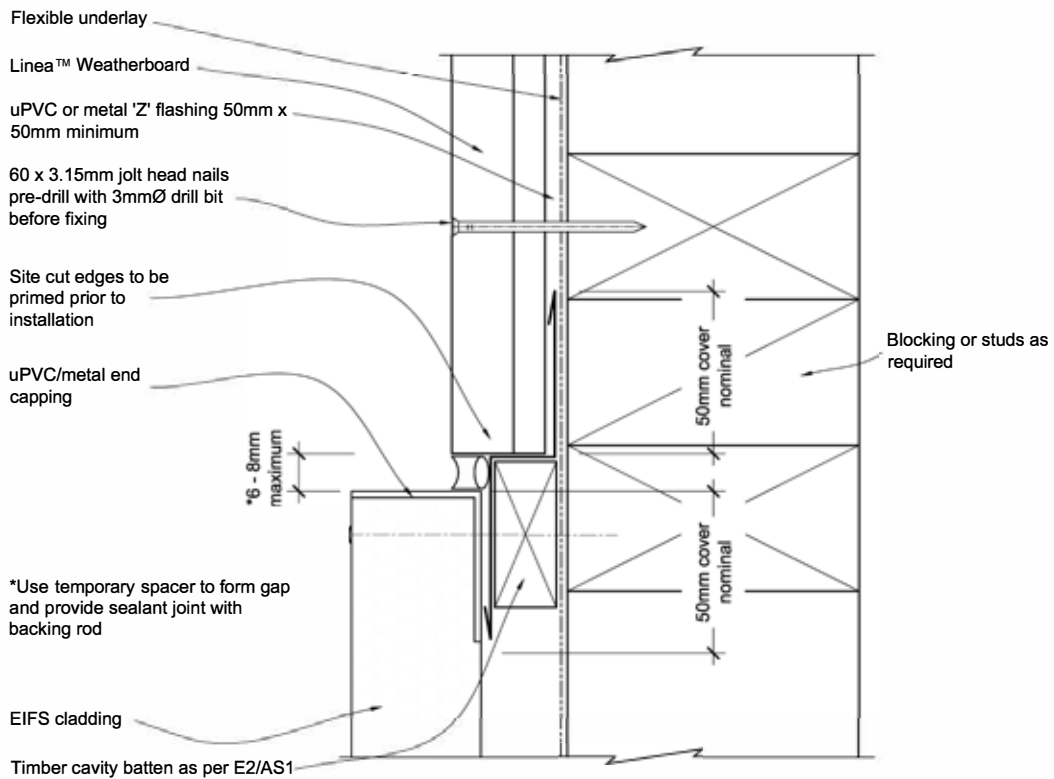




Figure 31: External corner junction between Linea™ Weatherboard and EIFS cladding

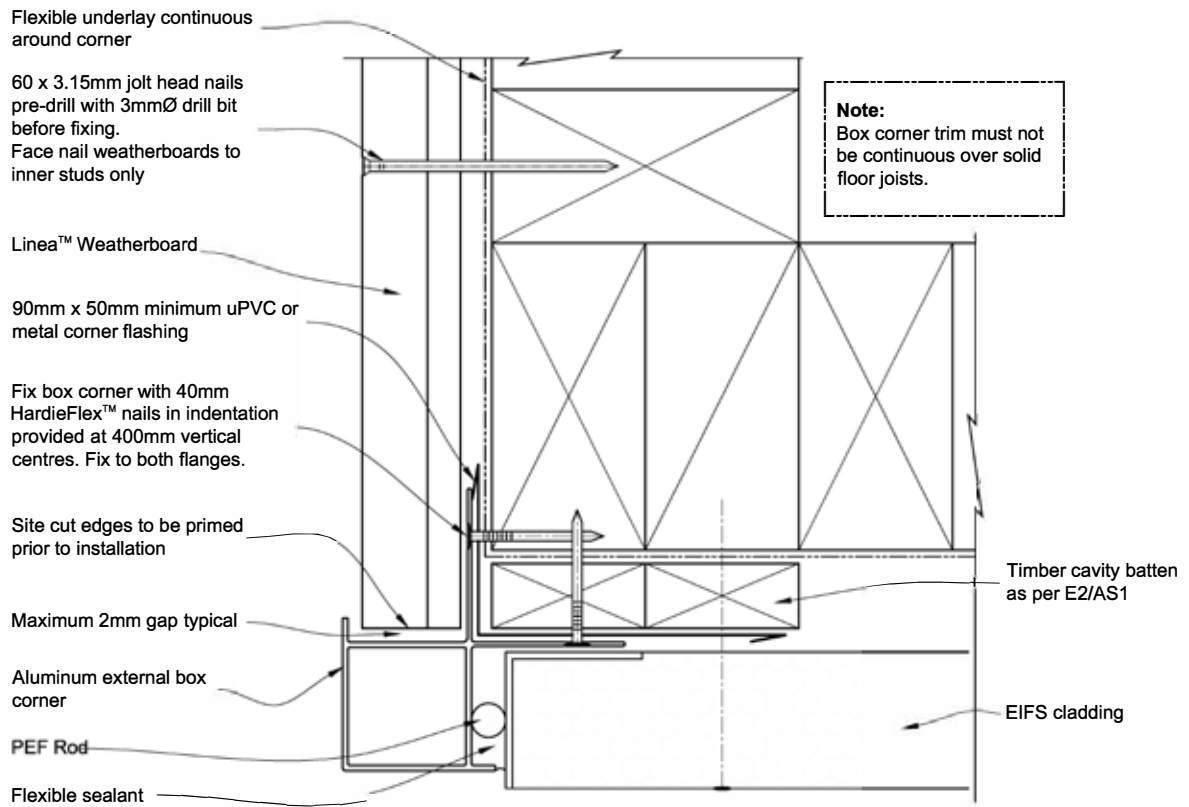


Figure 32: Internal corner junction between Titan™ Facade Panel / Axon™ Panel / EasyLap™ Panel and EIFS cladding

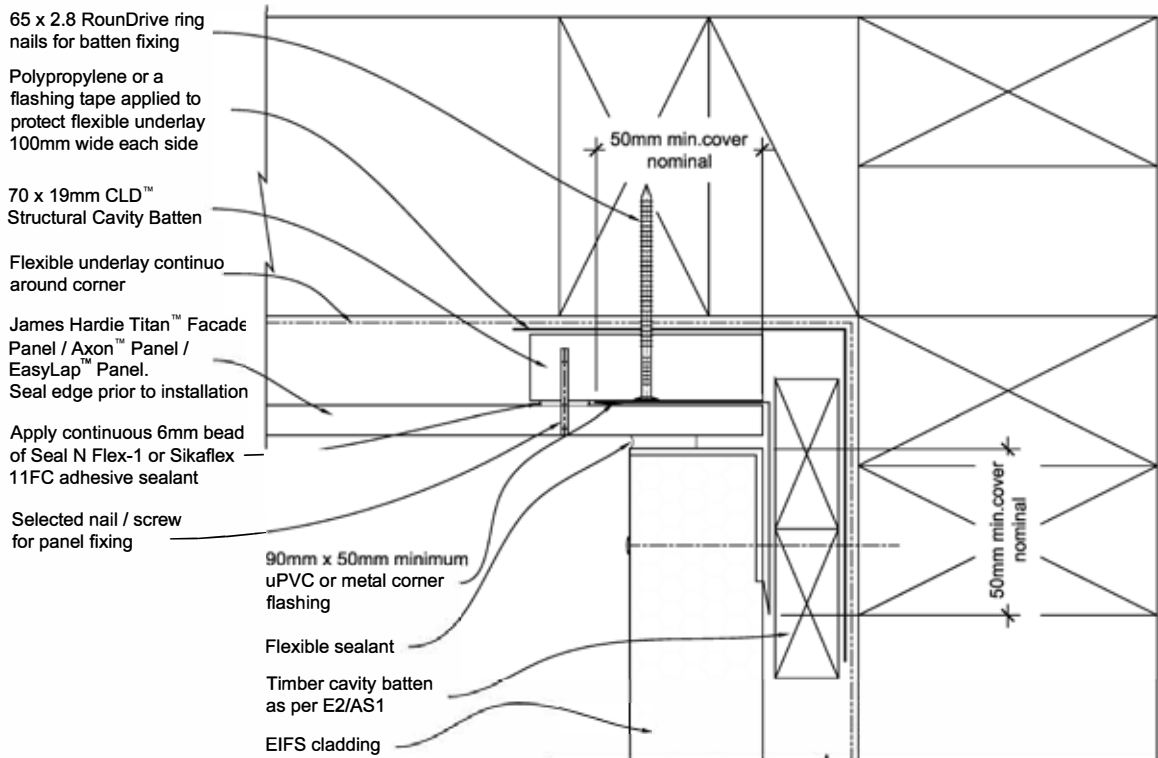


Figure 33: Junction between Titan™ Facade Panel / Axon™ Panel / EasyLap™ Panel and brick veneer

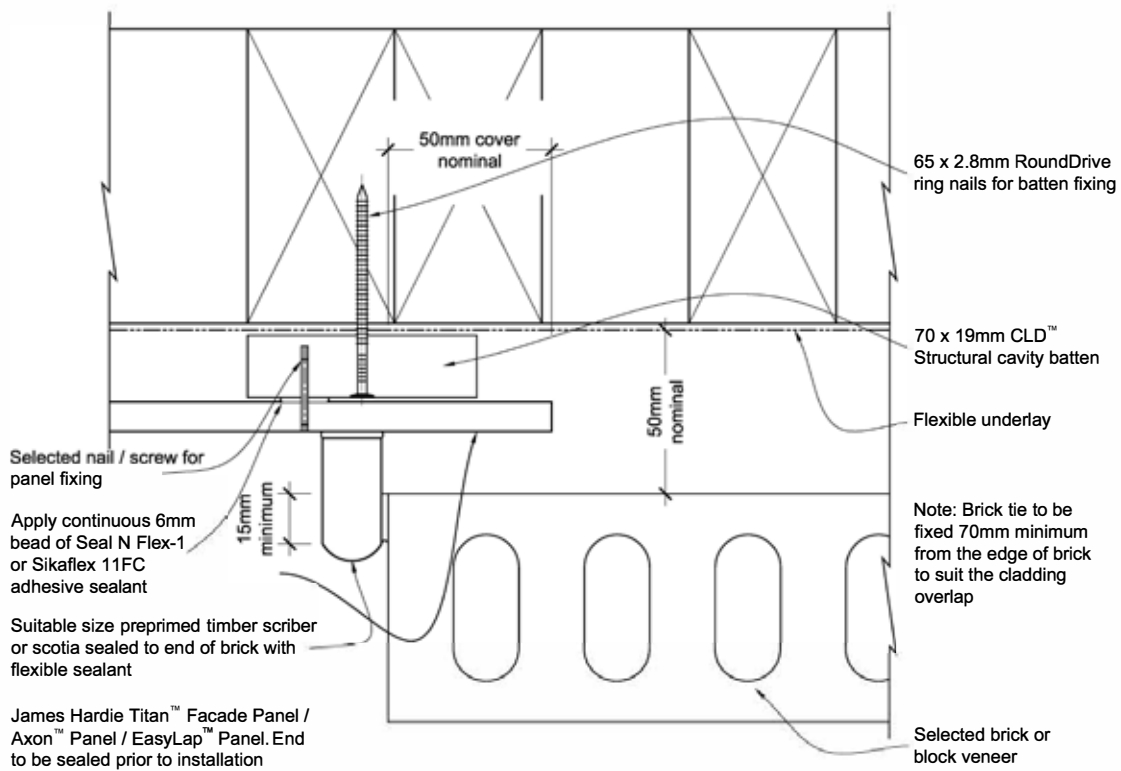


Figure 34: Internal corner junction between Titan™ Facade Panel / Axon™ Panel / EasyLap™ Panel and brick veneer

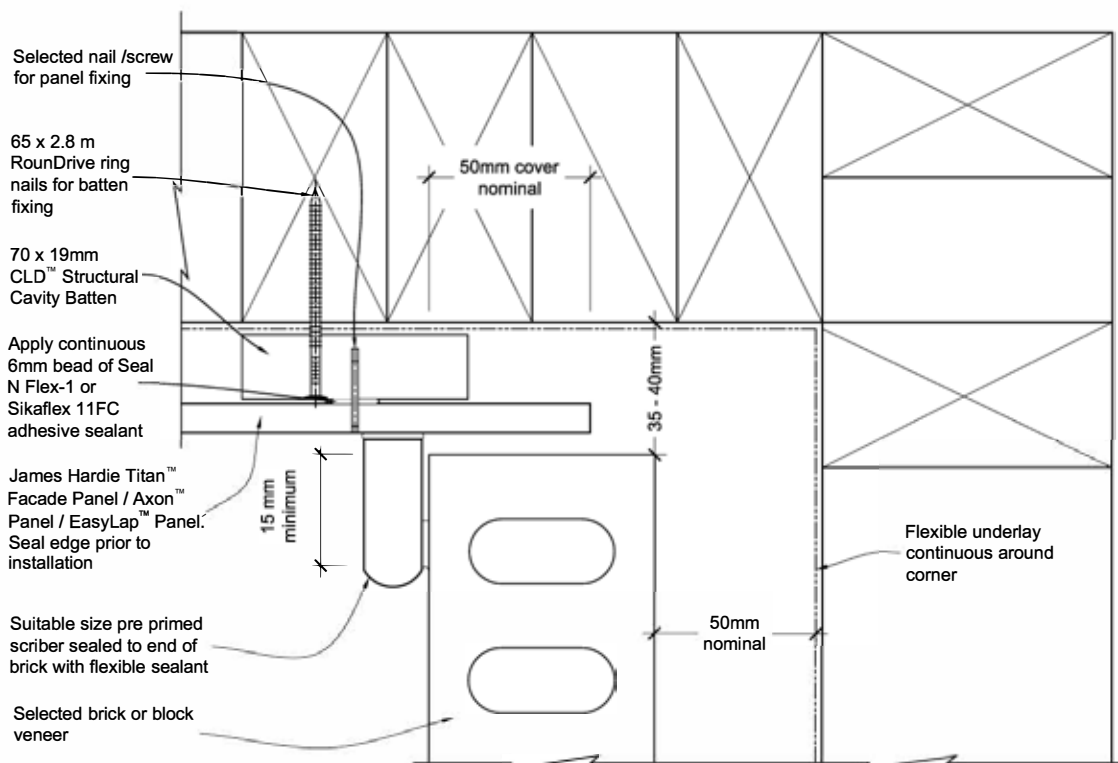


Figure 35: External corner junction between Titan™ Facade Panel / Axon™ Panel / EasyLap™ Panel and brick veneer

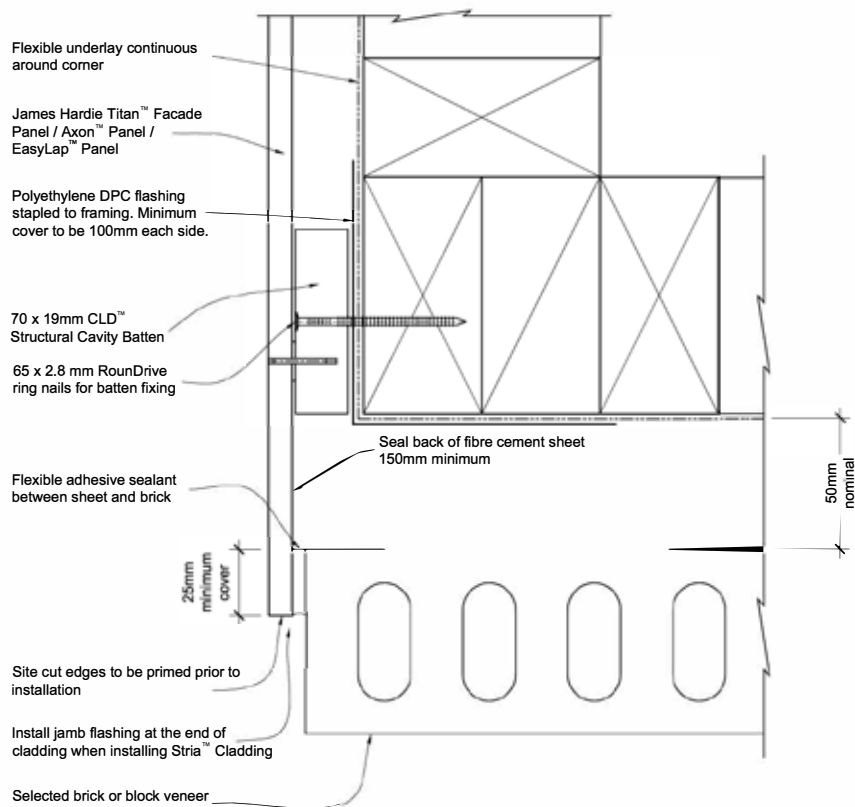


Figure 36: Junction between James Hardie flat sheet cladding / Stria™ Cladding / Linea™ Oblique™ Weatherboard and brick veneer

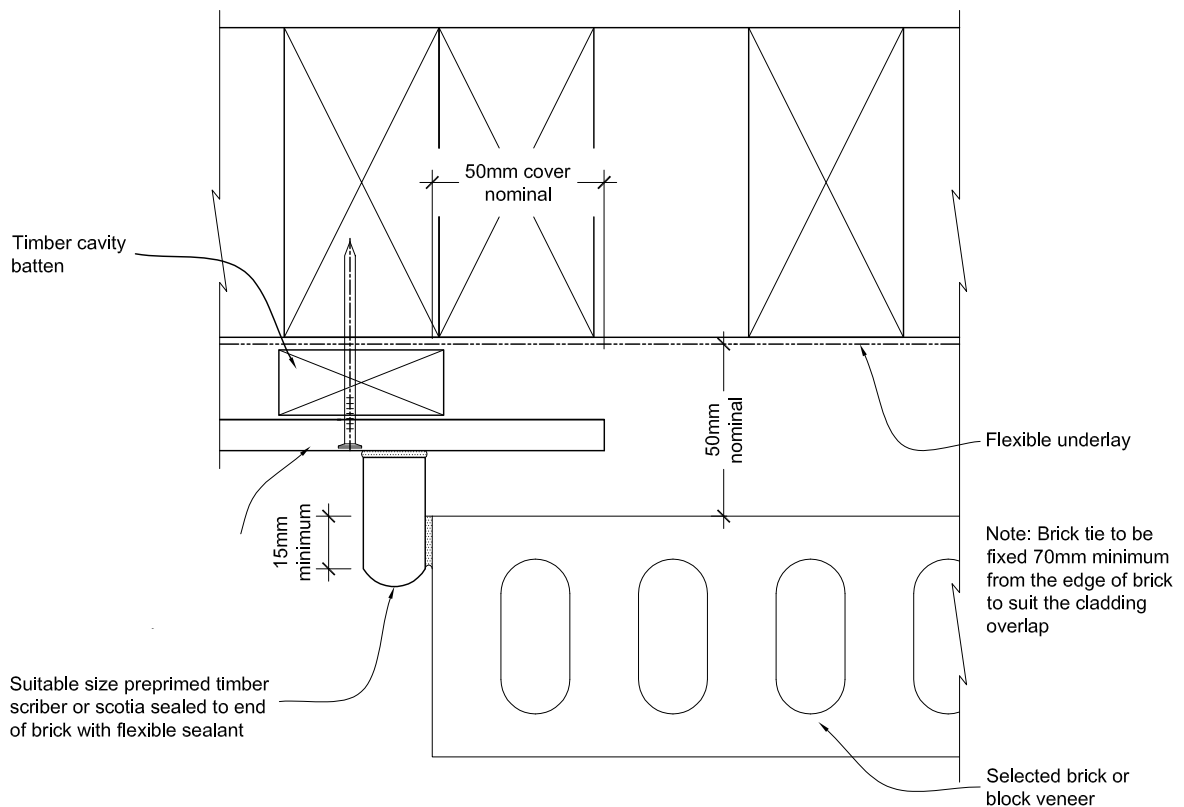


Figure 37: Internal corner junction between James Hardie flat sheet cladding / Stria™ Cladding / Linea™ Oblique™ Weatherboard and brick veneer

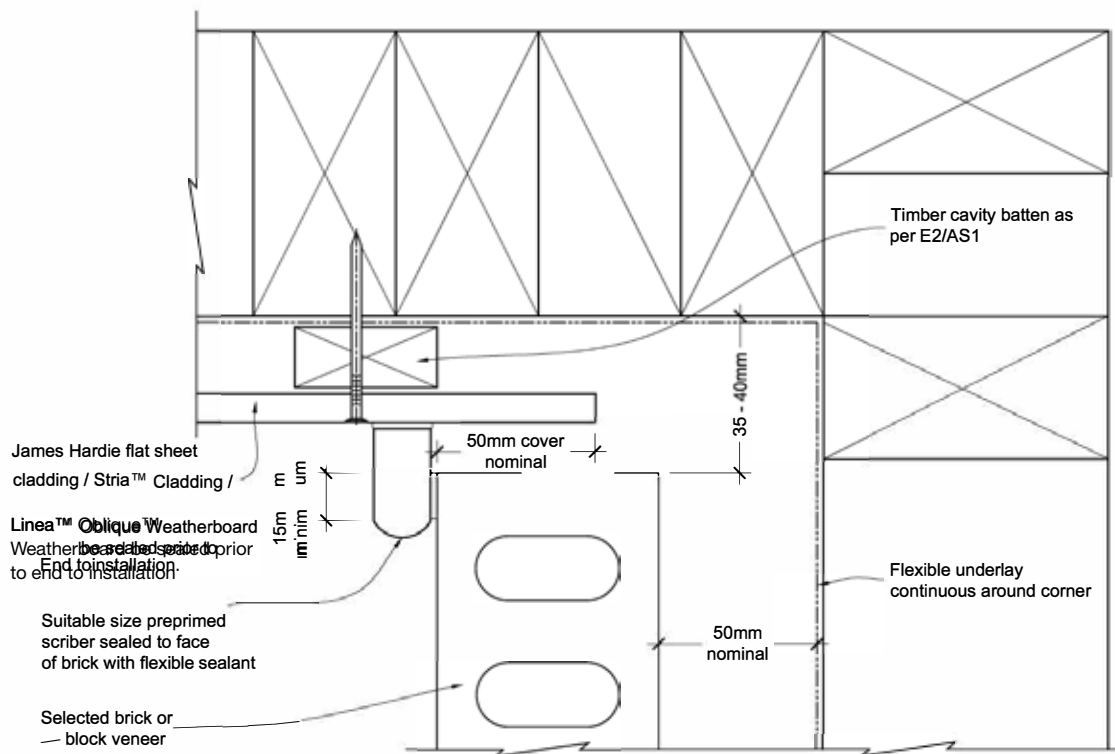


Figure 38: External corner junction between James Hardie flat sheet cladding / Stria™ Cladding / Linea™ Oblique™ Weatherboard and brick veneer

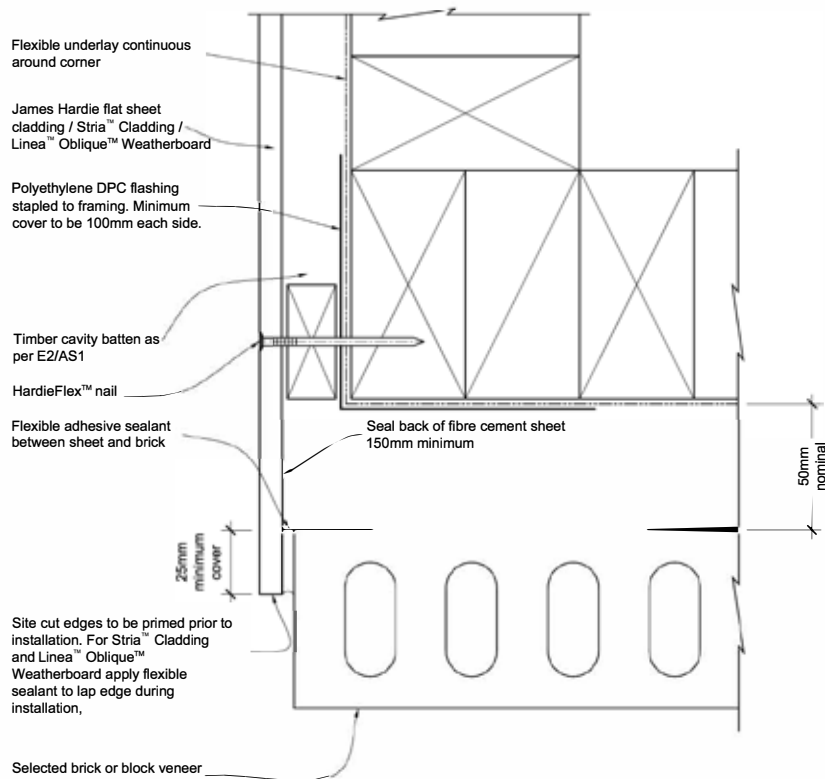


Figure 39: Vertical junction between James Hardie flat sheet cladding and horizontal metal cladding

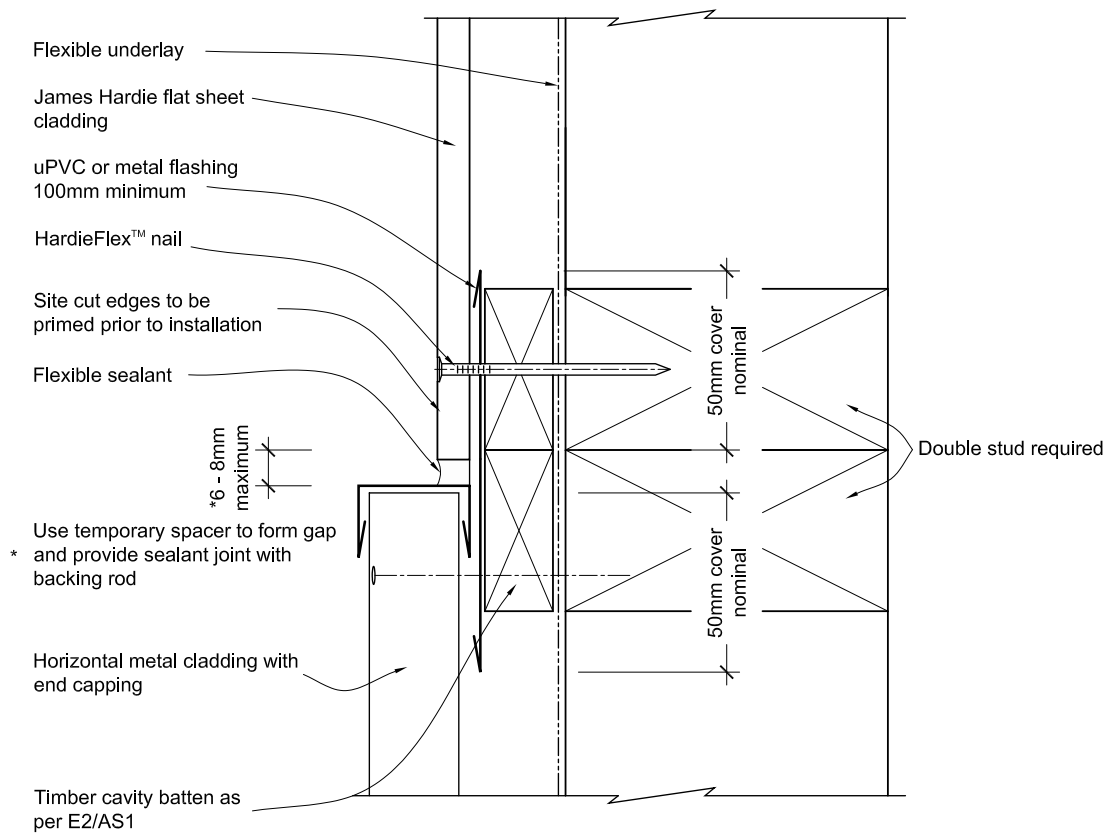


Figure 40: External corner junction between Stria™ Cladding and Titan™ Facade Panel / Axon™ Panel / EasyLap™ Panel

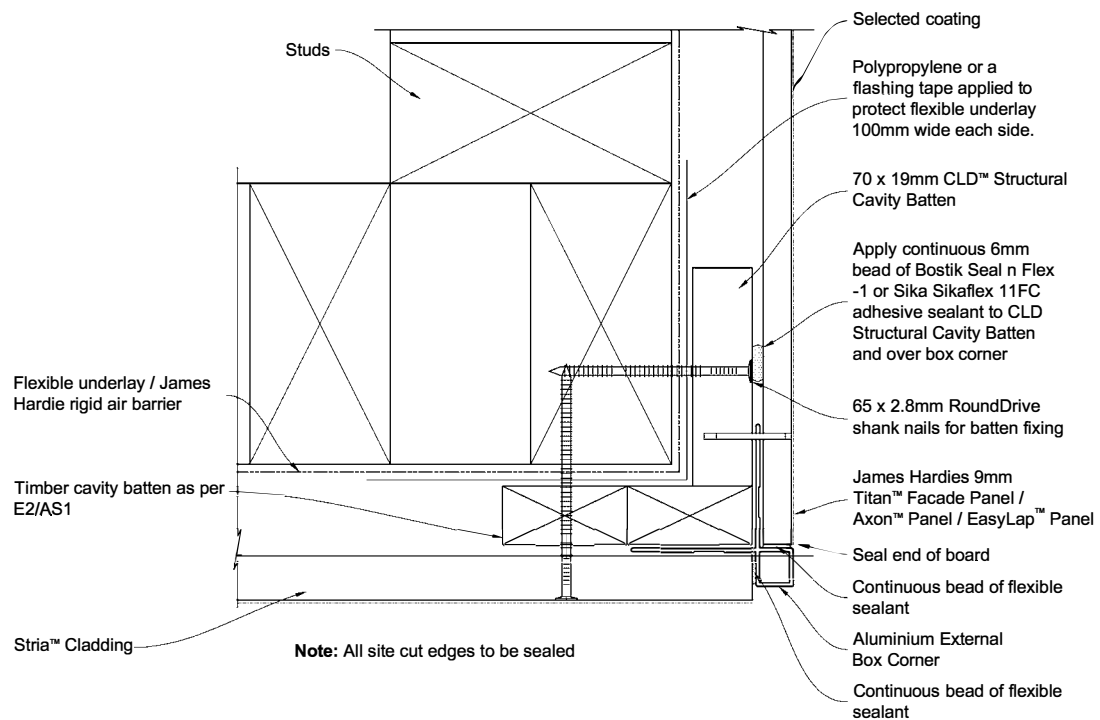


Figure 41: Internal corner junction between James Hardie flat sheet cladding / Stria™ Cladding / Linea™ Oblique™ Weatherboard and horizontal metal cladding

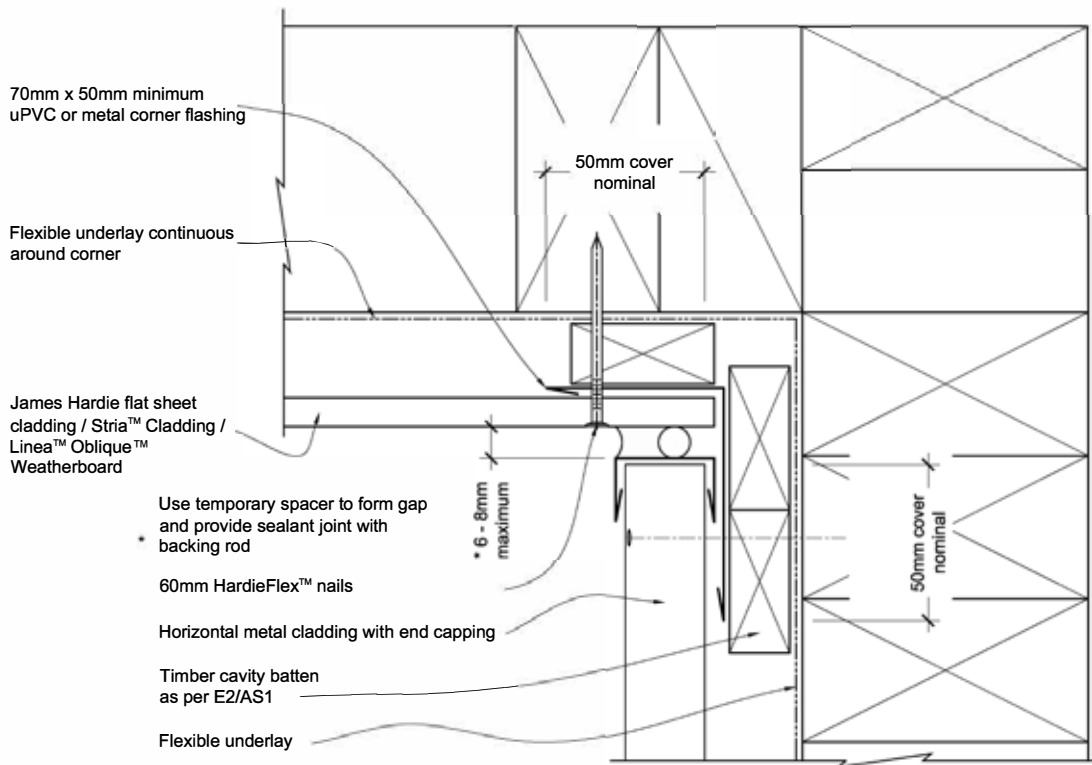


Figure 42: Internal corner junction between concrete wall and Titan™ Facade Panel / Axon™ Panel / EasyLap™ Panel on cavity

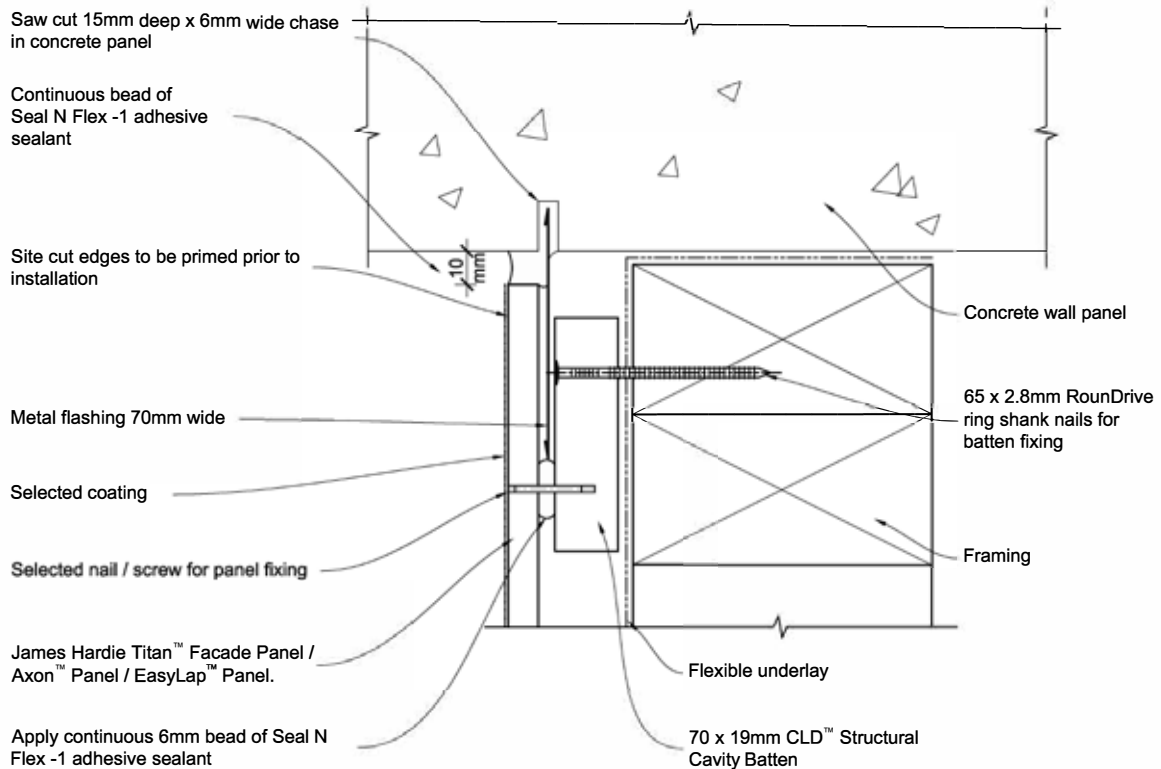




Figure 43: Internal corner junction between concrete wall and Titan™ Facade Panel / Axon™ Panel / EasyLap™ Panel

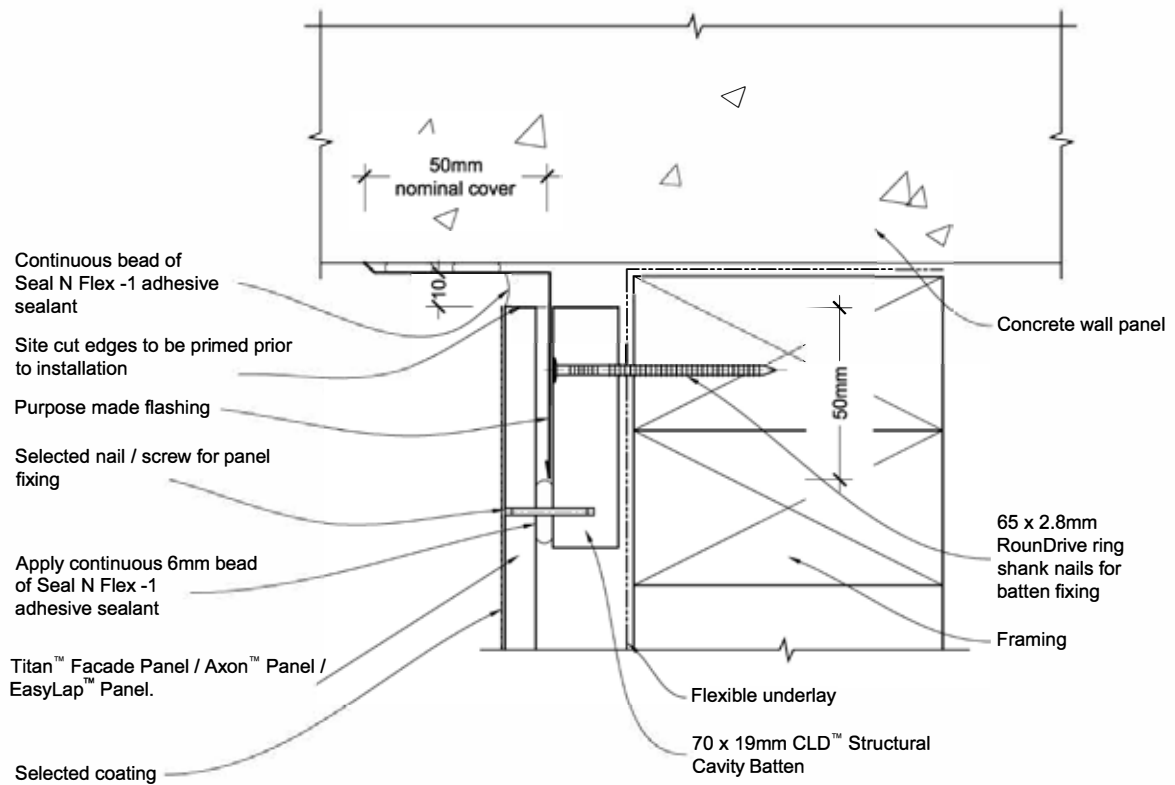


Figure 44: Linea™ Weatherboard expansion joint

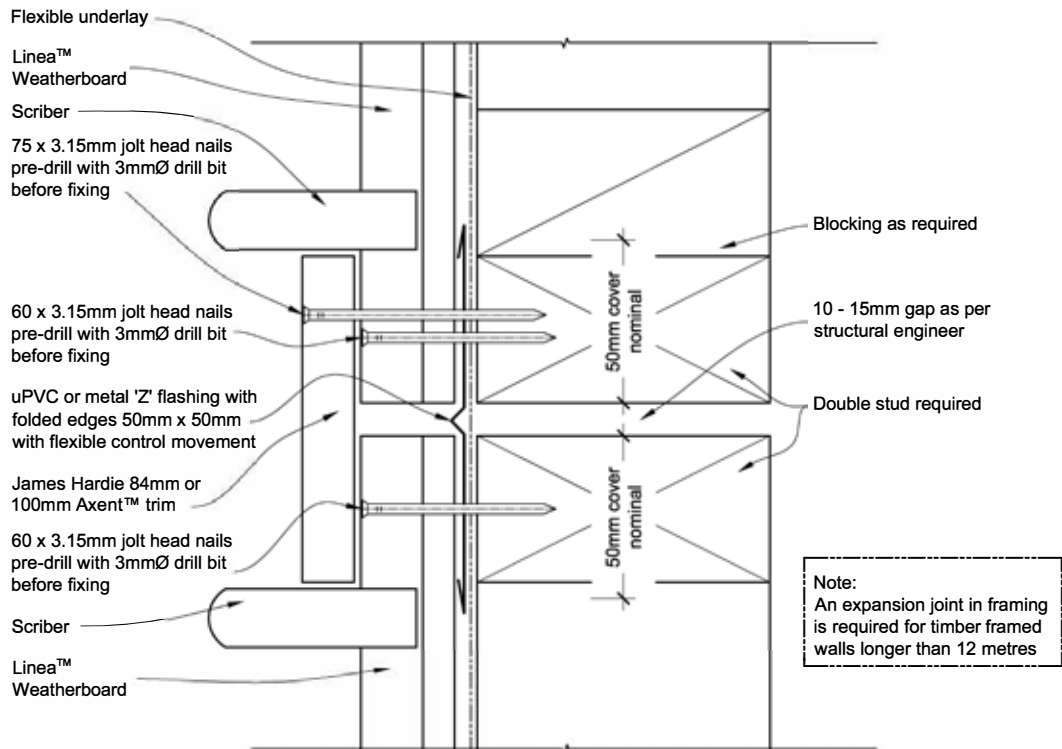


Figure 45: Drip edge junction to Linea™ Weatherboard to soffit junction

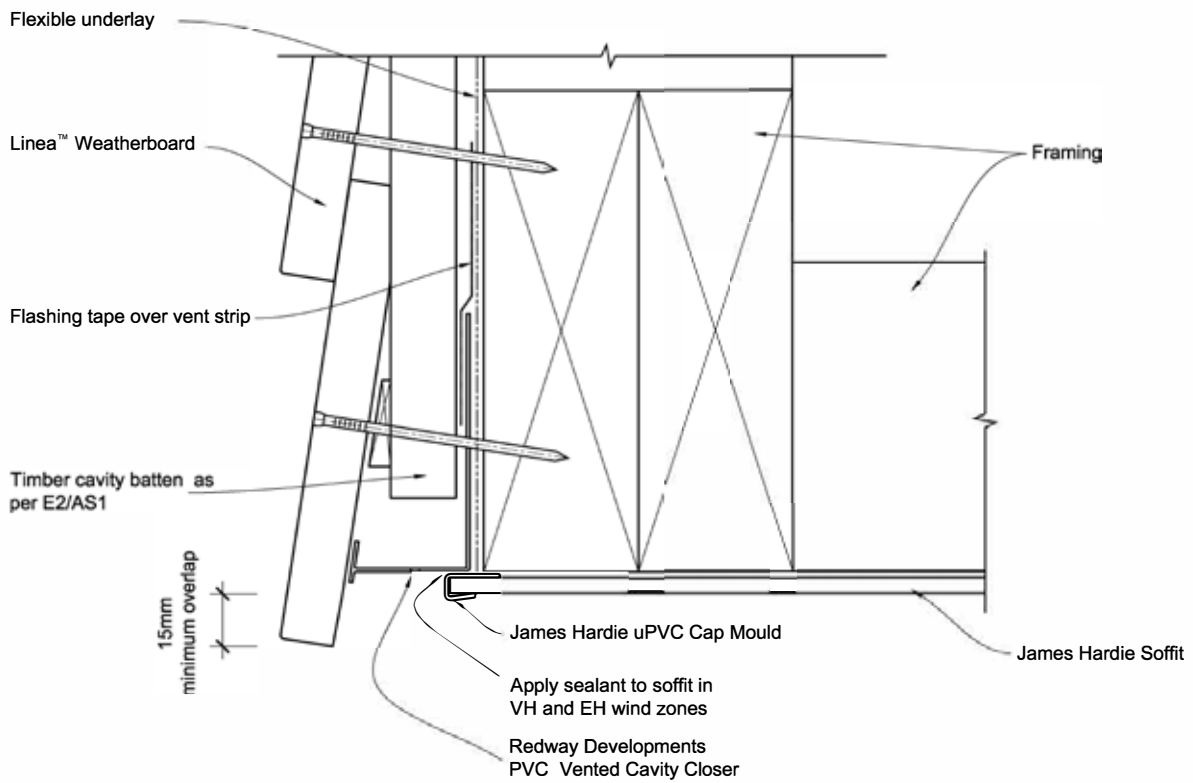


Figure 46: Drip edge junction between flat sheet to soffit

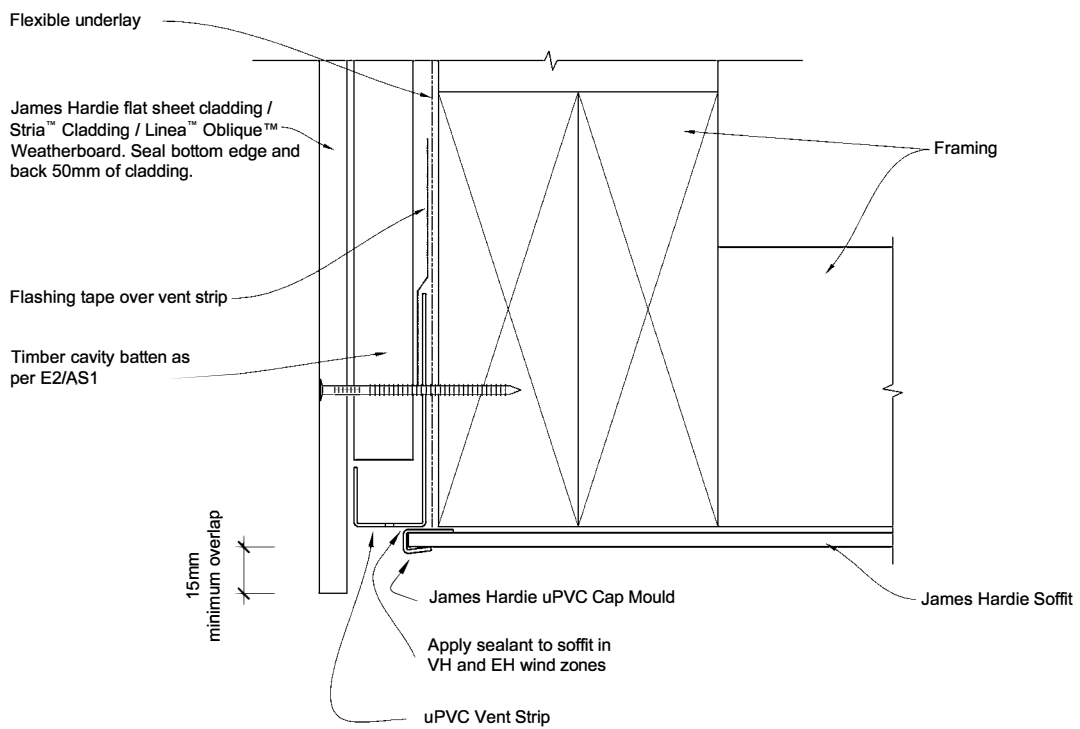


Figure 47: Drip edge junction Titan™ Facade Panel / Axon™ Panel / EasyLap™ Panel to soffit

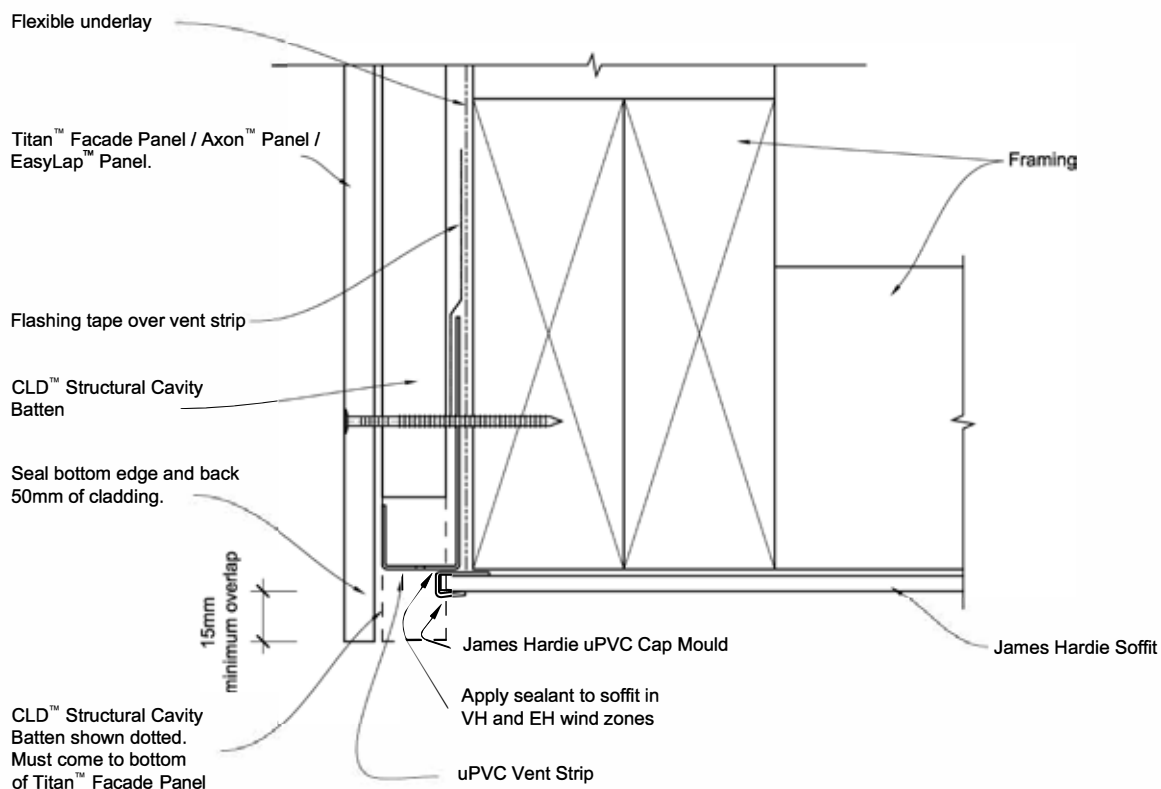


Figure 48: Linea™ Weatherboard on cavity foundation with level threshold drain

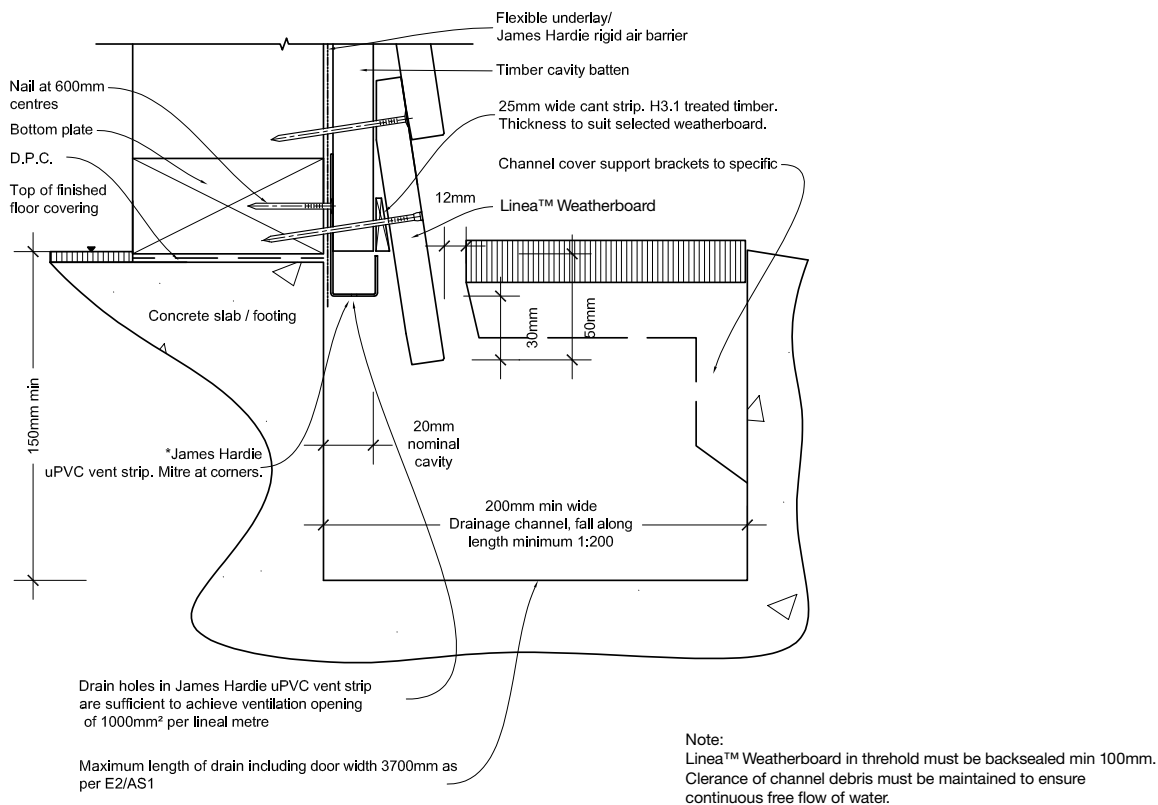


Figure 49: Linea™ Weatherboard on cavity foundation over concrete NIB

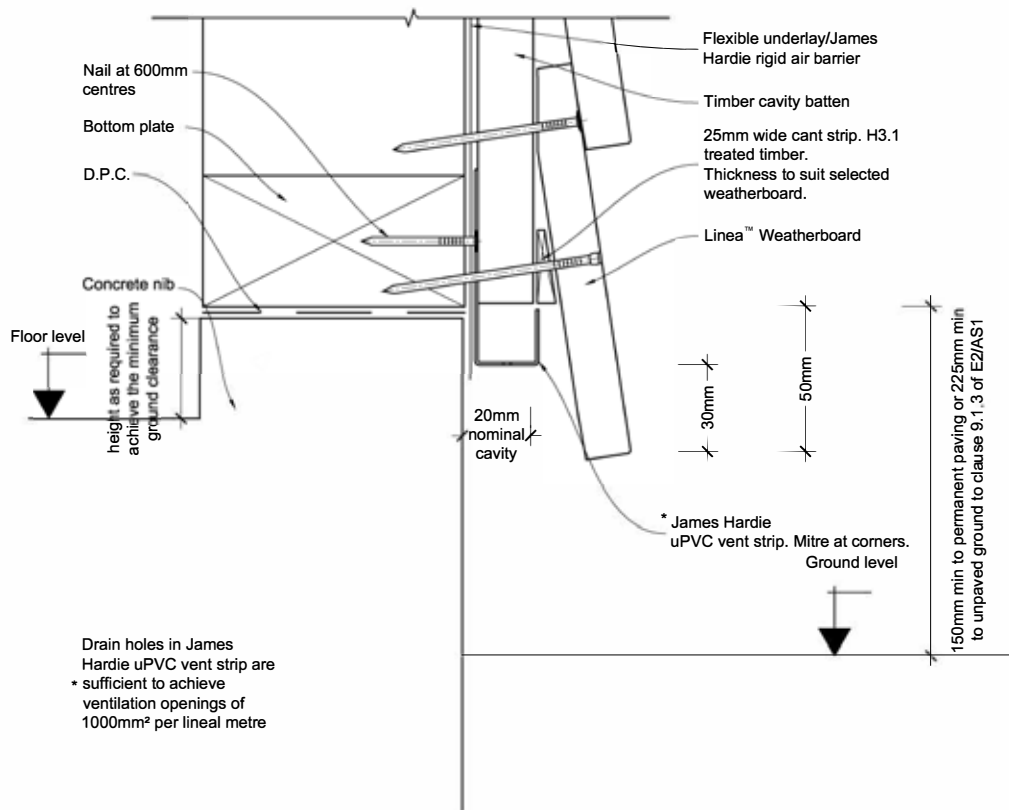


Figure 50: Vertical junction - Linea™ Weatherboard on cavity over RAB™ Board and James Hardies flat sheet cladding

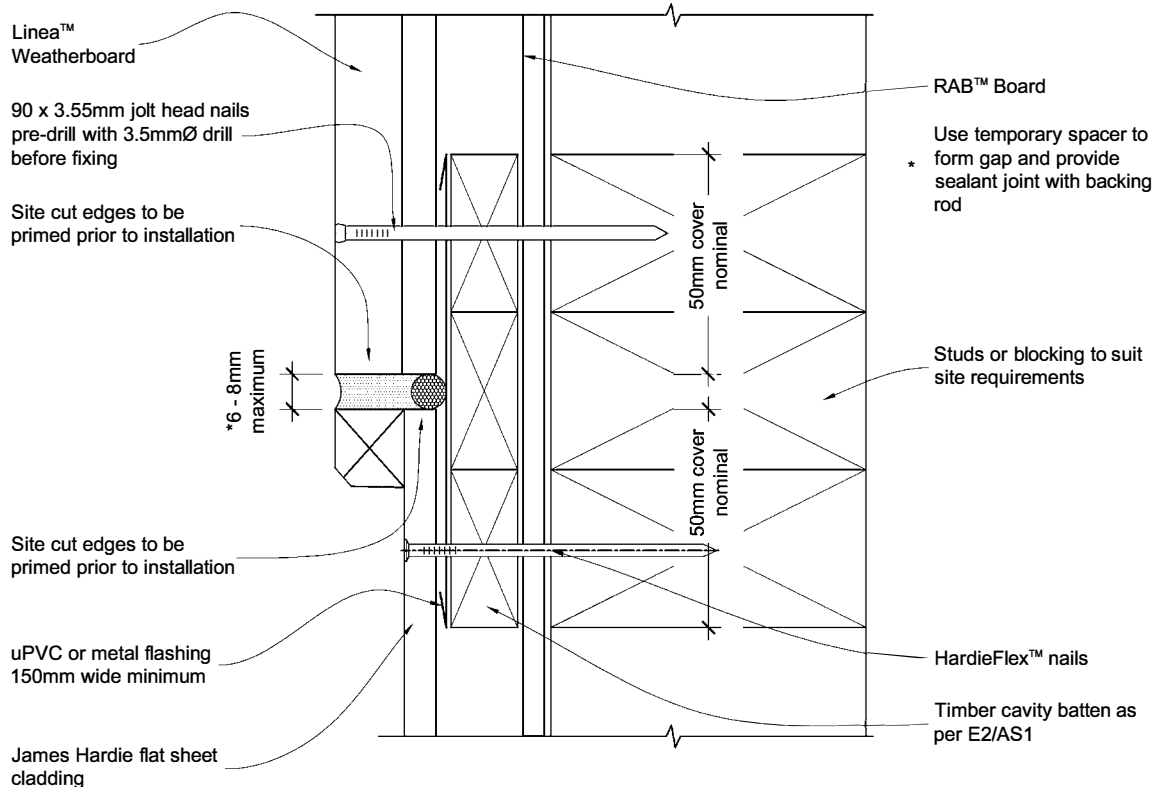


Figure 51: External corner junction between Linea™ Weatherboard on cavity over RAB™ Board and James Hardie flat sheet cladding

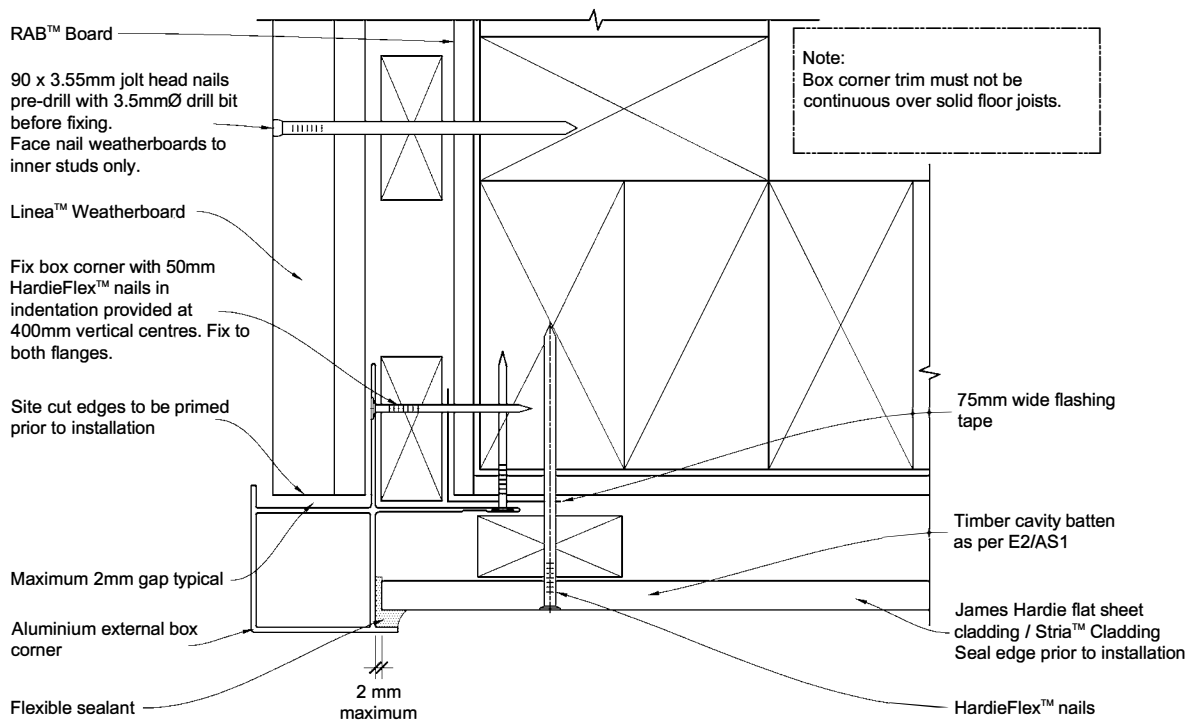


Figure 52: Vertical junction - Linea™ Weatherboard on cavity over RAB™ Board and James Hardie flat sheet cladding

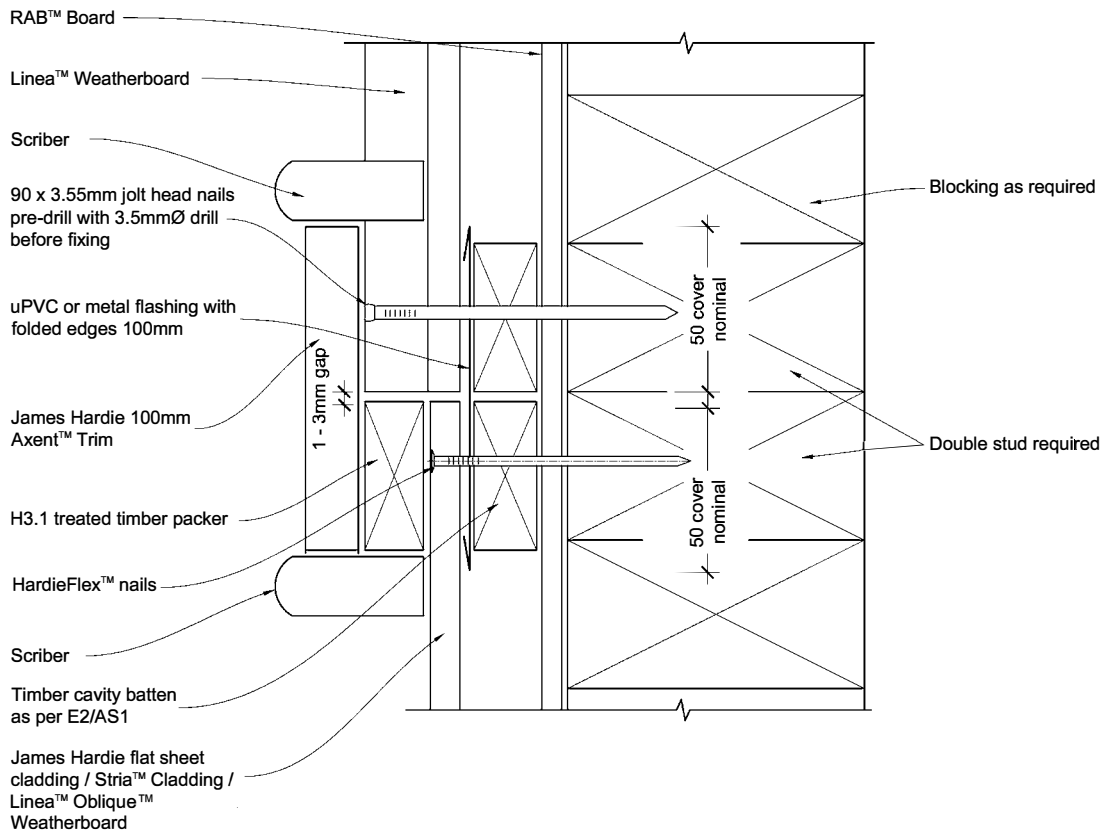


Figure 53: Junction between Linea™ Weatherboard on cavity over RAB™ Board and brick veneer

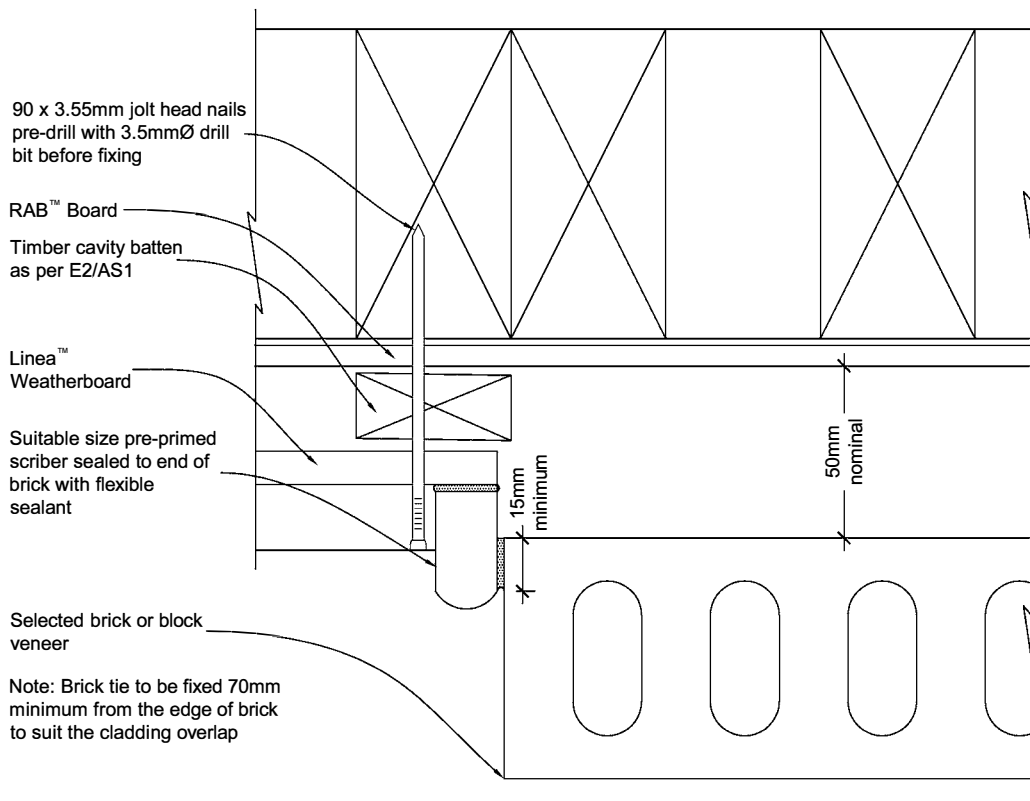


Figure 54: Internal corner junction between Linea™ Weatherboard on cavity over RAB™ Board and brick veneer

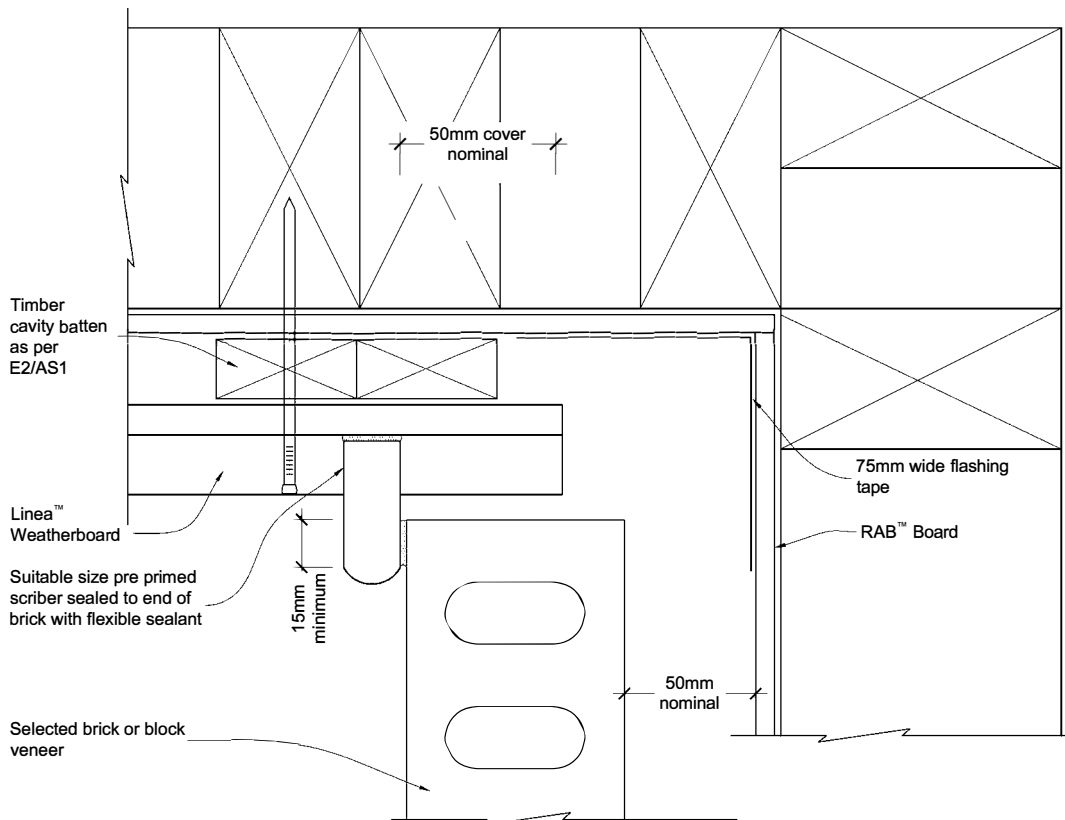


Figure 55: External corner junction between Linea™ Weatherboard on cavity over RAB™ Board and brick veneer

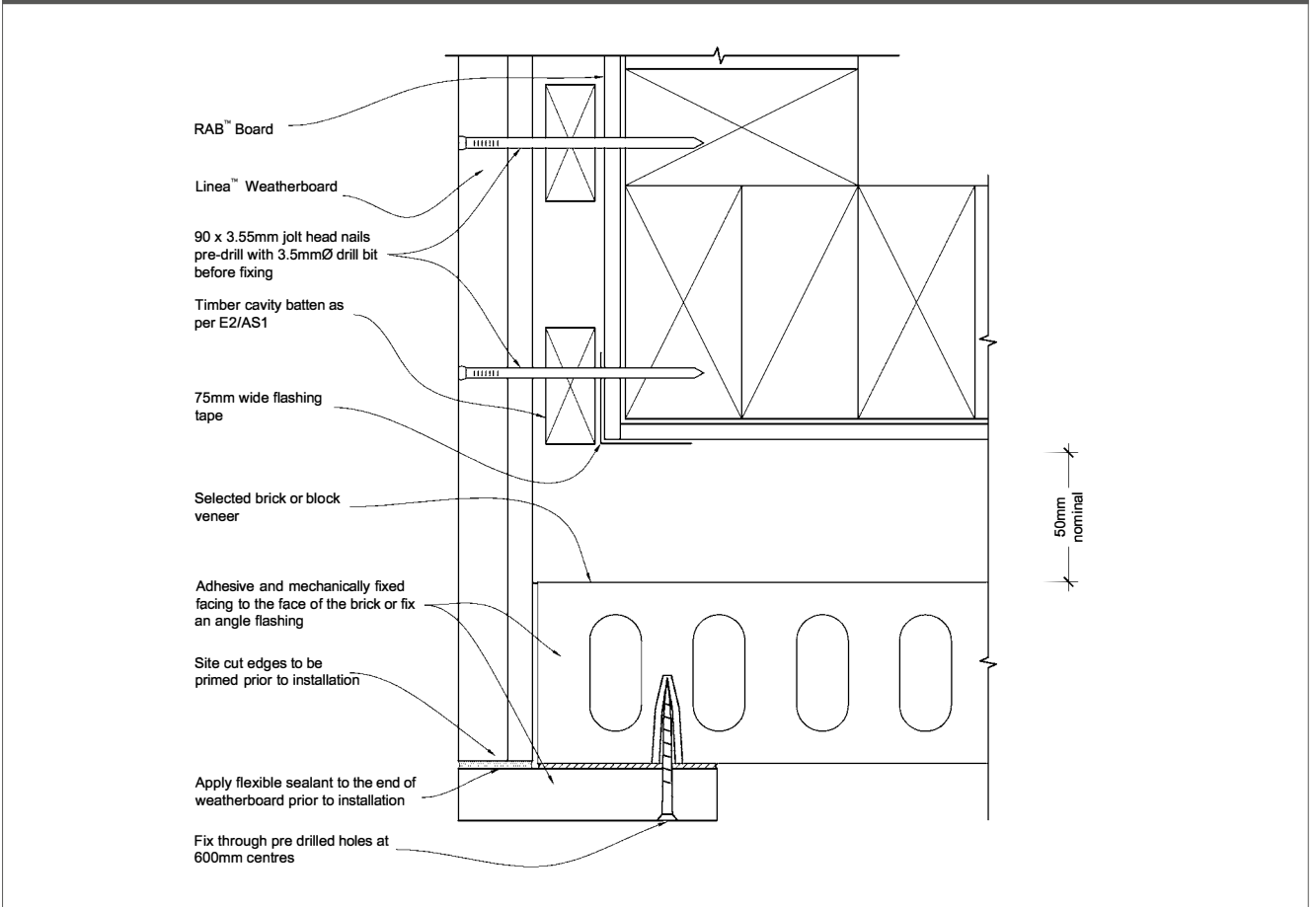


Figure 56: Drip edge junction between Linea™ Weatherboard on cavity over RAB™ Board to soffit

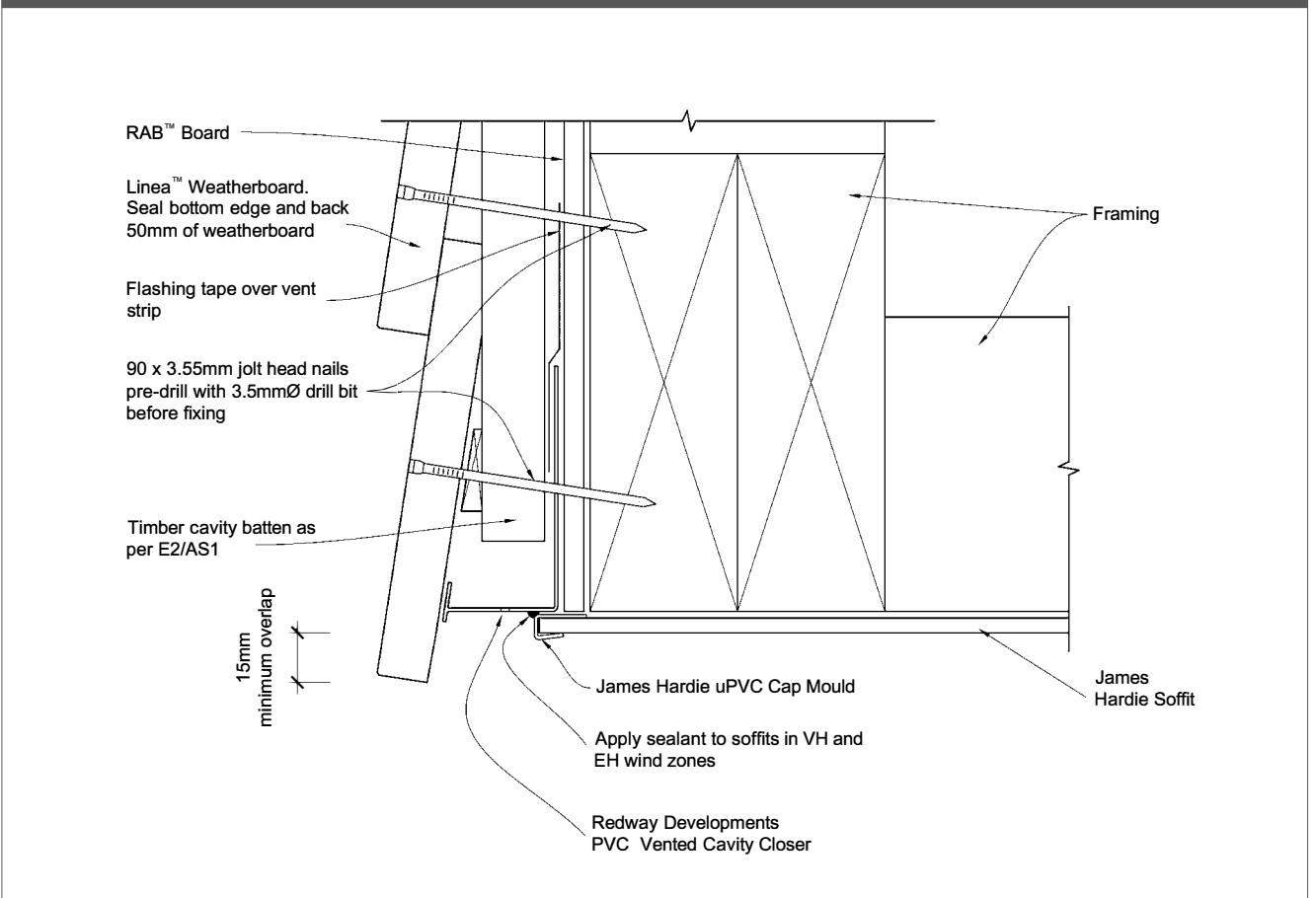


Figure 57: Drip edge junction between James Hardie flat sheet cladding on cavity over RAB™ Board to soffit

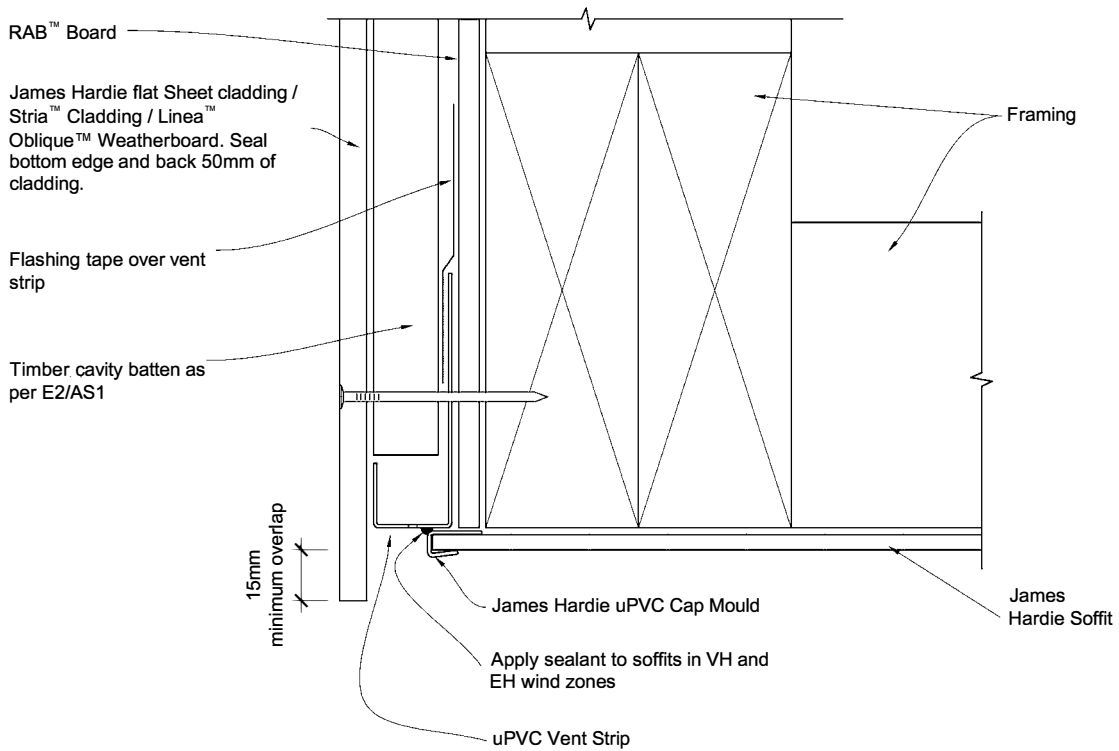


Figure 58: Internal corner junction between concrete wall and Titan™ Facade / Axon™ / EasyLap™ Panel on Cavity over RAB™ Board

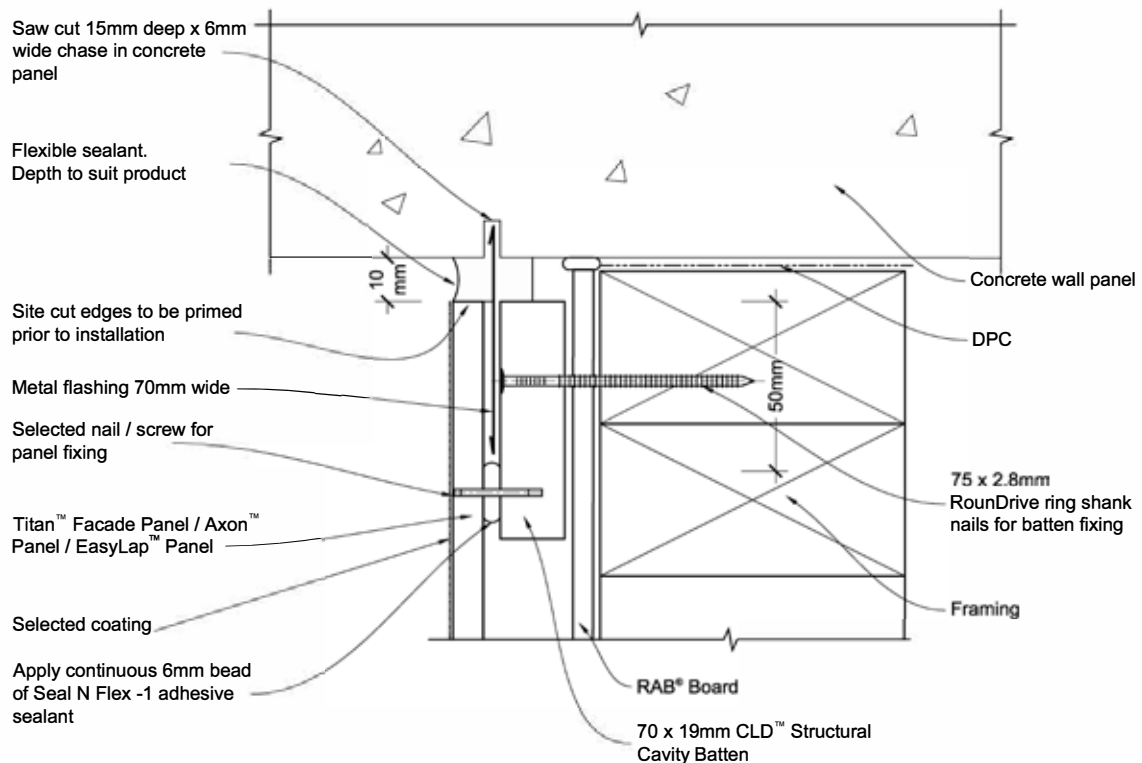
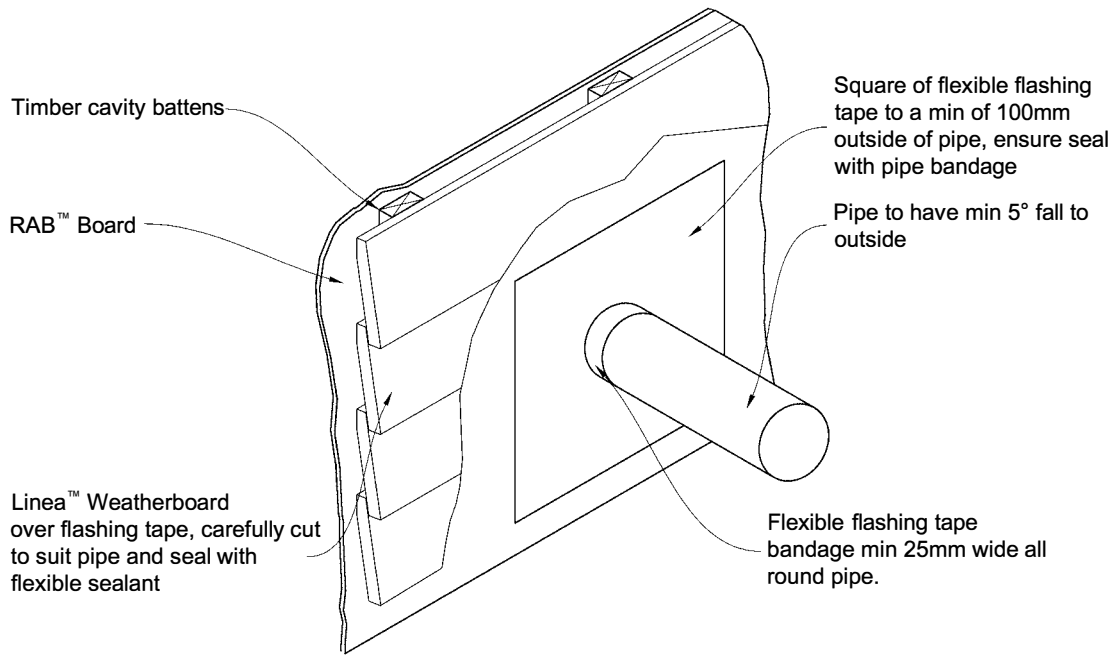






Figure 61: Linea™ Weatherboard on cavity over RAB™ Board pipe penetration



# Notes

A series of horizontal dotted lines for taking notes.

