

SMART'CLAD™
Timber weatherboard

**RUSTICATED
HORIZONTAL
WEATHERBOARDS**

Timber cladding
solutions for the
modern kiwi
home.

PUREPINE
MOULDINGS



RUSTICATED

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ABOUT US

Purepine Mouldings Limited, manufacturers of SmartClad™ Weatherboards with the hidden fixing system, is part of one of the longest established sawmilling and mouldings manufacturing operations in New Zealand.

Situated just out of Te Puke in the Bay of Plenty, the seven and a half hectare site was established back in 1958 as a moulding factory. In 1968 the sawmill operation was added. Over the years this site has been transformed from the original small factory building to a complex of buildings and yards custom made for the processes carried out on the site.

Certified plantation grown Radiata Pine is now the only species milled. Today the business is a wholly New Zealand owned family business.

SUSTAINABILITY

Sustainability is a vital policy for us.

We source all our logs from sustainable plantation forests found around the Bay of Plenty, Waikato and Poverty Bay and choose with great care to ensure they meet the specifications of the products required from them.



Optimising the timber to reduce wastage is vital. To this end we use highly customised technology based systems to maximise the amount of timber we can use. Being efficient everywhere is important. A good example is the use of waste sawdust and shavings as bio fuel to produce heat for the kiln drying operation.

We believe this type of focus is paramount to sustainable outcome for future generations.

NZ WOOD

In a world facing dwindling resources, atmospheric pollution and global warming, wood represents our most renewable raw material, a truly natural product which can be grown and consumed indefinitely.



Collectively the forestry and wood industry is New Zealand's third largest industry contributing an enormous amount to our economy and making up over 12% of New Zealand's export earnings.

As a member of NZ Wood, Purepine Mouldings Limited's business practices are in line with those of this organisation..

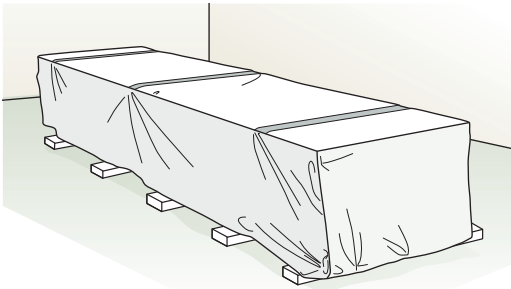
1. Introduction

The SmartClad™ Cavity and Direct Fixed Rusticated Horizontal Weatherboards are external wall claddings for use on residential and light commercial buildings, where they fall within the scope of NZ3604.

2. Components supplied by Smartclad

2.1 Storage and preparation

- Ensure that SmartClad™ Weatherboards are correctly stored and protected prior to installation.
- All weatherboards must be stored indoors or under a totally-weatherproof cover at all times.



- The wrap that protects SmartClad™ when it is delivered is only a showerproof transit cover. It is not suitable for use as a weatherproof cover.
- It is recommended that you apply a single coat of paint to each weatherboard before installation. Choose paint with a colour that has a light reflective value (LRV) of 45% or more

2.2 SmartClad™ Rusticated Weatherboards

150 x 25 and 200 x 25 profiles must have a minimum 25mm overlap, with matching opposed 6 x 3mm weather grooves 10mm from the edge of each edge, and allowing for a minimum 2mm expansion gap between boards. The exposed leading edge may optionally have a 3mm pencil round finish for better paint adhesion..

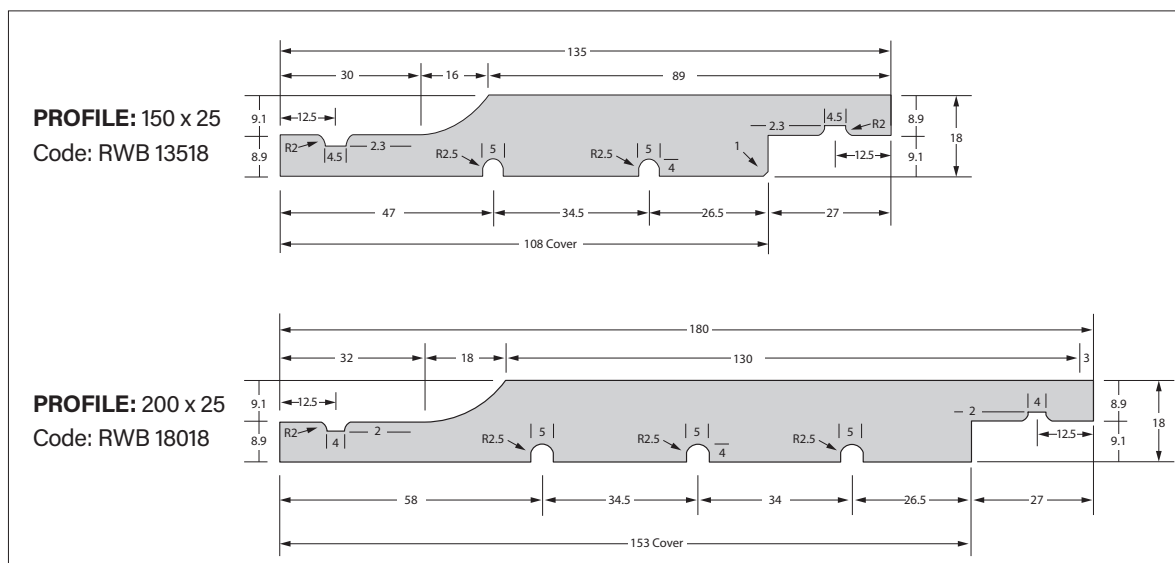
3. Components supplied by others

- ### 3.1 Flexible Wall Underlays and Rigid Wall Underlays
- Underlays — complying with Table 23 of NZBC Acceptable Solution E2/AS1 must be fitted prior to weatherboard or cavity batten installation in accordance with manufacturer's instructions.

In particular it is essential that the underlay is dressed into the window/door opening, and the flashing tapes fitted to the jambs and sills and at the corners of the opening head.

- ### 3.2 Building Wrap Support
- polypropylene strap, 75 mm galvanised mesh, galvanised wire, or additional vertical timber battens for securing the building wrap in place and preventing bulging of the bulk insulation into the drainage cavity. (Note: mesh and wire galvanising must comply with AS/ NZS 4534.)

- ### 3.3 Flexible Sill and Jamb Flashing Tape
- complying with NZBC Acceptable Solution E2/AS1 Paragraph 4.3.11, or flexible flashing tapes covered by a valid BRANZ Appraisal for use around window and door joinery openings.





- 3.4 Flashings — including external corner flashing, internal corner flashing, horizontal inter-storey joint flashing, sill flashing, window and door head flashing, balustrade and parapet saddle flashing and balustrade and parapet cap flashings. Refer to NZS 3604, Section 4 and NZBC Acceptable Solution E2/AS1, Table 20 for durability requirements.
- 3.5 Cavity Base Closure (Vermin Proofing) — Aluminium, stainless steel or uPVC punched with 3–5 mm diameter holes or slots complying with NZBC Acceptable Solution E2/AS1, Paragraph 9.1.8.3. Where required, flashings such as corner, sill and saddle flashings must be installed prior to weatherboard installation.
- 3.6 Window and Door Trim Cavity Air Seal — air seals complying with NZBC Acceptable Solution E2/AS1 Paragraph 9.1.6, or self-expanding, moisture cure polyurethane foam air seals covered by a valid BRANZ Appraisal suitable for use around window, door and other wall penetration openings.
- 3.7 Aluminium Joinery Head Flashings — as supplied by the joinery manufacturer or building contractor.
- 3.8 Flexible Sealant — sealant complying with NZBC Acceptable Solution E2/AS1, or sealant covered by a valid BRANZ Appraisal for use as a weather sealing sealant for exterior use.
- 3.9 Paint System Specification — All exposed faces, including top edges at sills and all bottom edges of SmartClad™ weatherboards and accessories must be finished with at least two coats of an exterior grade latex acrylic paint complying with any of Parts 7, 8, 9 or 10 of AS 3730.

4. Design considerations

- 4.1 Designer Responsibility — The designer must ensure that the details contained in this manual are suitable for the intended building design and that additional detailing is provided for areas outside the scope and specifications of this manual.
- 4.2 Cavity or Direct Fix? — Designers can use the Weathertightness Risk Matrix in NZBC Acceptable Solution E2/AS1 to determine whether the cladding can be direct fixed or whether a drained

and vented cavity must be incorporated into the cladding system. This manual gives details for both scenarios.

4.3 Scope of Use *FOR ALL WEATHERBOARD PROFILES*

4.3.1 Direct Fix

The SmartClad™ Weatherboard range Direct Fixed Cladding System is to be used as an external vertically fixed wall cladding system for buildings within the following scope:

- a) the scope limitations of NZBC Acceptable Solution E2/ AS1, Paragraph 11; and,
- b) constructed with timber framing complying with the NZBC; and,
- c) calculated in accordance with NZBC Acceptable Solution E2/AS1, Table 2; and,
- d) situated in NZS 3604 Building Wind Zones up to, and including 'Very High.'

In low risk situations, SmartClad™ Horizontal Rusticated Weatherboards can be fixed directly to the studs when the risk score is 6 or below.

For all situations where the risk score exceeds the above, cavity battens are required. These being castellated timber battens or Cavibat extruded plastic battens. Refer to BRANZ appraisal No.524 for more information.

- 4.4 Ground Clearances — The ground clearances set out in NZS3604:2011 must be adhered to in all cases. The bottom edge of the weatherboards must finish a minimum of 175 above unpaved ground or minimum 100 mm above paved ground. The weatherboards must overlap the bottom plate by at least 50 mm. The bottom edges of the weatherboards must be kept clear of decks or adjacent surfaces/roof flashings at low pitch roof/wall junctions by a minimum of 35 mm. See detail drawings.
- 4.5 Framing — Timber framing must comply with NZS 3604 for buildings or parts of buildings within the scope limitations of NZS 3604. Buildings or parts of buildings outside the scope of NZS 3604 must be to a specific design in accordance with NZS 3603 and AS/NZS 1170. Where specific design is required, the framing must be of at least equivalent stiffness to the framing provisions of

NZS 3604. In all cases studs must be at maximum 600 mm centres. Dwangs must be fitted flush between the studs at maximum 800 mm centres. For timber framed buildings subject to specific design up to a design differential ultimate limit state (ULS) wind pressure of 2.5 kPa, the studs must be at maximum 400 centres

- 4.7 Paint Finish — The use of a high quality acrylic top coat is advised. Ensure a minimum of 150 wet microns is applied. The painting must be completed not later than 45 days after installation. More paint applied will aid the performance over time.
- 4.8 For SmartClad™ Weatherboards, PurePine Mouldings Limited recommends using paint with a colour which has a Light Reflective Value (LRV) of greater than or equal to 45%.

5. Installation information Rusticated Weatherboards

5.1 Fixings shall be driven through the wall underlay and in the framing in accordance with Table 24 E2/AS1.

- Fixings shall be hand driven.
- Weatherboards shall be predrilled prior to application of fixing with a drill bit slightly smaller than the fixing.
- Nail placement shall be 35mm from the edge of the weatherboard and/or 10mm from the side of the lap.
- The lap between boards shall be 25mm with a minimum 2mm expansion gap between boards.
- Weathergrooves shall be lined up to form a 6 x 6mm weathergroove.
- Nails should be applied at an upward angle so as reduce water ingress through the fixing point.
- Weatherboard fixings shall not penetrate through the flashings under any circumstances as this may jeopardise the weather tightness of the cladding system.

5.2 Cavity Construction

- Where cavity construction is specified the cavity battens must be structurally fixed. Please refer to

BRANZ Bulletin 582 for further information.

- Where studs are at greater than 450 mm centres, a building underlay support (e.g. polypropylene strap) must be installed over the building wrap at maximum 300 mm centres horizontally.
- Cavity starter strips — must be fitted to close off the cavity from vermin. The strip should be in accordance with NZBC Acceptable Solution E2/AS1 Paragraph 9.1.8.3.

5.3 Rusticated Weatherboard Joins

- Scarf joins shall be mitred so as to allow water run off down the face of the cladding and be made over battens with one nail on each side of the join predrilled at least 12mm from the ends. The join shall have flashing tape applied to the back of the board, shall have sealant applied to the join and be optionally covered with corrosive resistant flat soakers. Joins shall be staggered by at least 450mm.

5.4 Rusticated Weatherboard Corners

5.4.1 Internal Corners

- Shall be made weather tight with hem folded 50x50 or 70x70 or 90x90 flashings according to the type of corner being used and the wind zone.
- Shall be either:
 - a) Boards butted evenly into a 70 x 70 hem folded 'W' flashing; or
 - b) 40 x 40 internal corner with 90 x 90 hem folded flashing; or
 - c) Boards butted with D4S corner mould on top with 70 x 70 hem folded flashing.
- A continuous bead of sealant shall be applied where mouldings meet weatherboards and neighbouring mouldings or joinery.

5.4.2 External Corners

- Shall be made weather tight with hem folded 50x50 or 70x70 flashings according to the type of corner being used and the Wind Zone.
- Shall use either:
 - a) Corner mould with 50x50 hem folded flashing; or



- b) Routed and notched together and sealed with construction adhesive; or
- c) Be covered with Smartclad box corner boards and 50x50 or 70x70 hem folded flashing.

(Note: only c) corner detail is suitable for Extra High wind zones)

- A continuous bead of sealant shall be applied where mouldings meet weatherboards and neighbouring mouldings or joinery.

5.5 Air Seals — A nominal 5 to 10 mm gap must be left between the joinery reveal and the framing. A PEF backing rod is inserted and the gap sealed with a self-expanding polyurethane foam or sealant, in accordance with NZBC Acceptable Solution E2/ AS1 Paragraph 9.1.6.

5.6 Finishing — Prior to painting the boards must be cleaned down, and any nail holes filled. The paint coating manufacturer's instructions must be followed at all times for application of the paint finish. SmartClad™ weatherboards must be painted as soon as practicable following fixing. All coating is to be done according to coating manufacturer's instructions in a well-ventilated area. Refer to the coating/primer supplier for all matters relating to health and safety. All relevant sections of standard AS/NZS 2311:2009 (Guide to the painting of buildings) shall be adhered to.

All exposed faces, including top edges at sills and all bottom edges of SmartClad™ weatherboards and accessories must be finished with at least two coats of an exterior grade latex acrylic paint complying with any of Parts 7, 8, 9 or 10 of AS 3730.

If SmartClad™ Weatherboards are exposed to the weather for more than 60 days, they must be re-primed with one coat of alkyd primer prior to the application of the finishing coats. The recommended drying time between coats and the temperature limitations for application must be followed.

5.7 Architectural diagrams for further Rusticated Weatherboard fixing details. Pages: 8-39

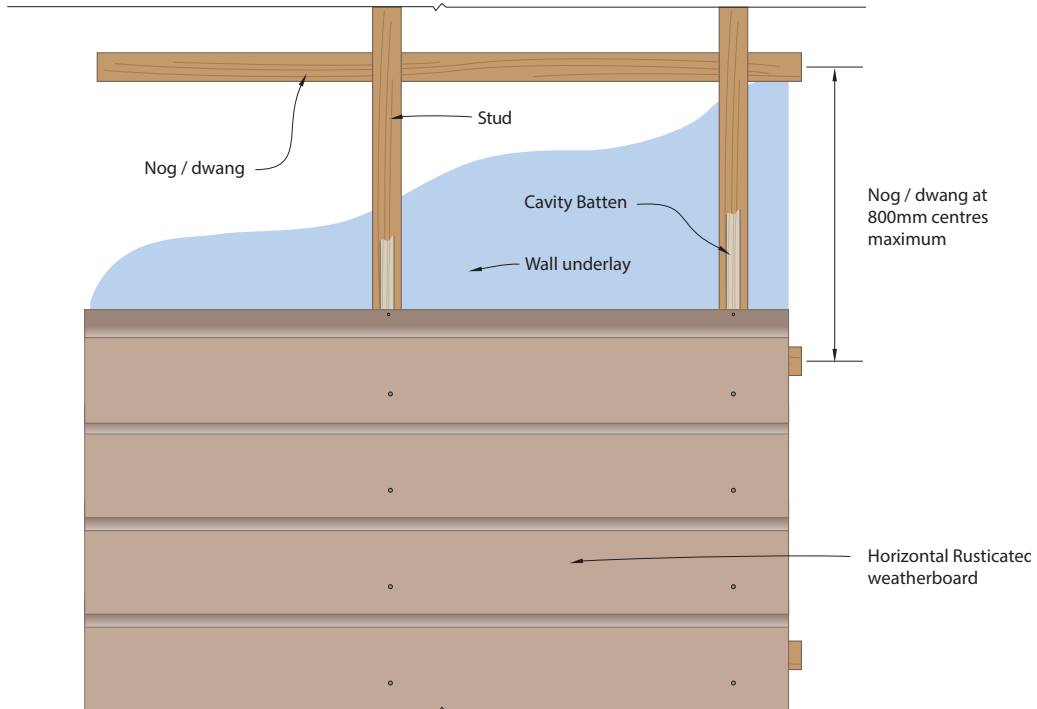
6. Nailing Schedule

- Smartclad recommends hand nailing
- Hot dip galvanising must meet the requirements of AS/NZS 4680:2006
- In sea spray zones all fittings must be type 316 stainless steel
- Use jolt head or annular grooved nails. See Table 1
- Nails must penetrate each stud by a minimum of 35mm
- E2/AS1 Acceptable Solutions states that Rusticated Weatherboards can be direct fix and on risk scores of 6 or less. For use in higher risk score applications, Rusticated Weatherboard can be used as an Alternative Solution with vertical cavity battens up to a risk score of 20.
- For Rusticated Weatherboard profiles, only direct fix applications are an Acceptable Solution in E2/ AS1. However vertical cavity battens can be used for cavity fix as an Alternative Solution.
- Rusticated Weatherboard requires fixing the nogs at 800mm centres maximum

Table 1

Profile	Application	Size mm	Size	Nail Position
Horizontal Rusticated	Direct Fix	150 x 25, 200 x 25	60 x 2.8	Single nail on every nog 35mm from side of the lap
Horizontal Rusticated	Cavity Fix	150 x 25, 200 x 25	75 x 3.15	Single nail on every nog 35mm from side of the lap

Preparation — 800mm centre maximum nog spacing



Set Out Guide — the required overlap is 25mm

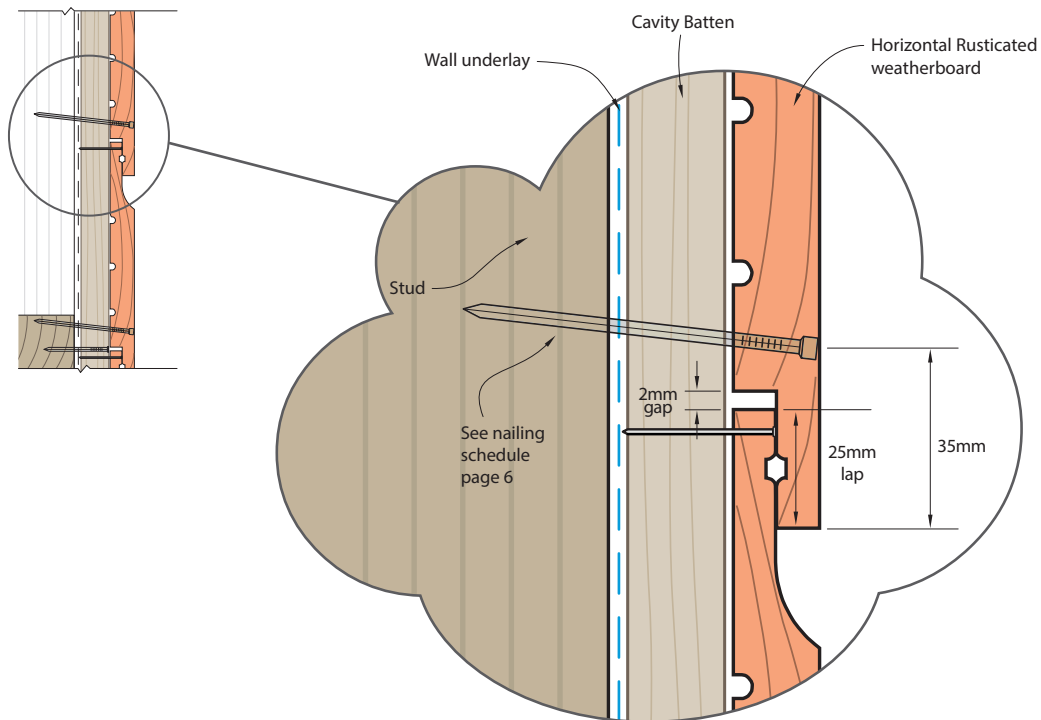
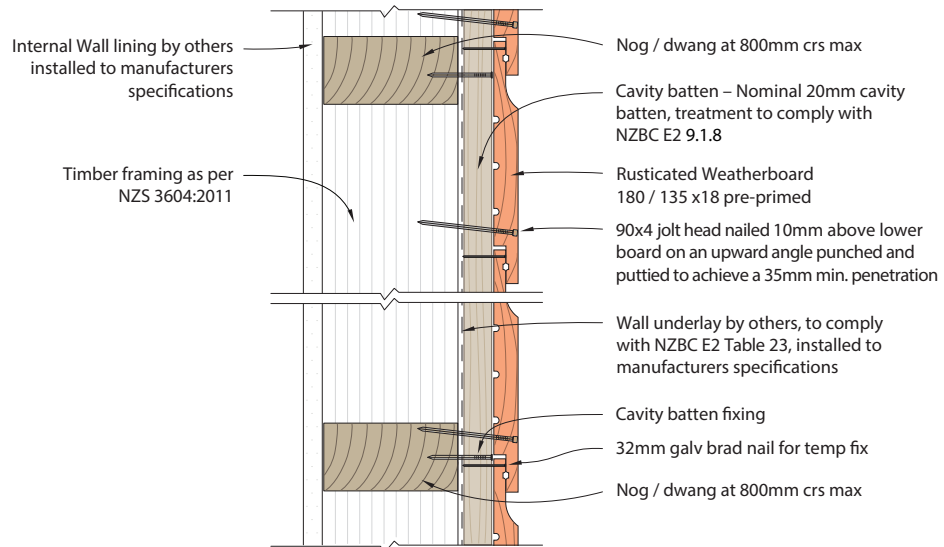


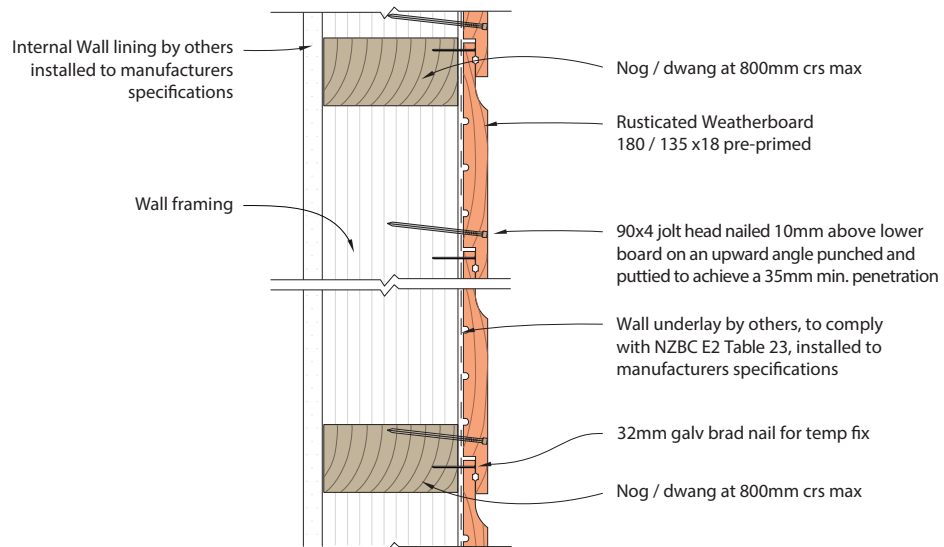


Figure 1: Rusticated Weatherboard Fixing

PROFILE VIEW



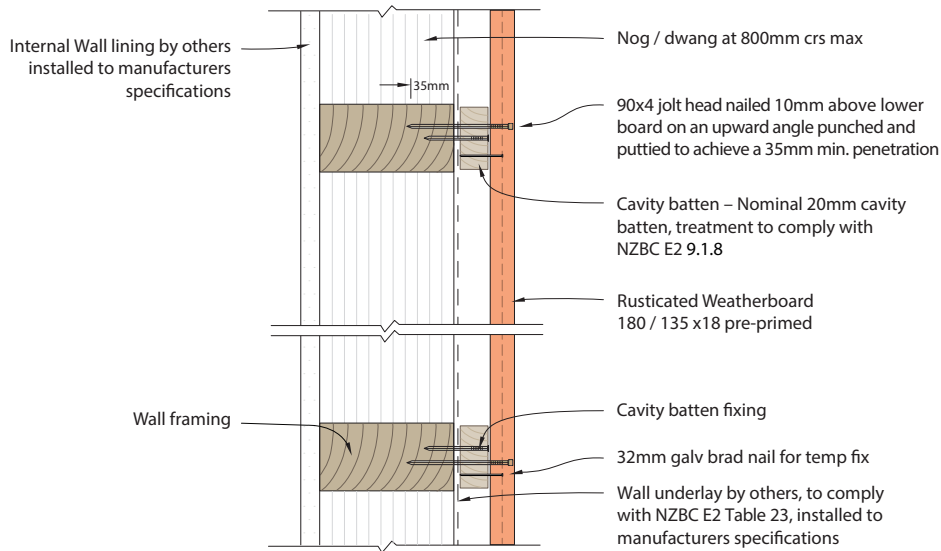
PROFILE VIEW



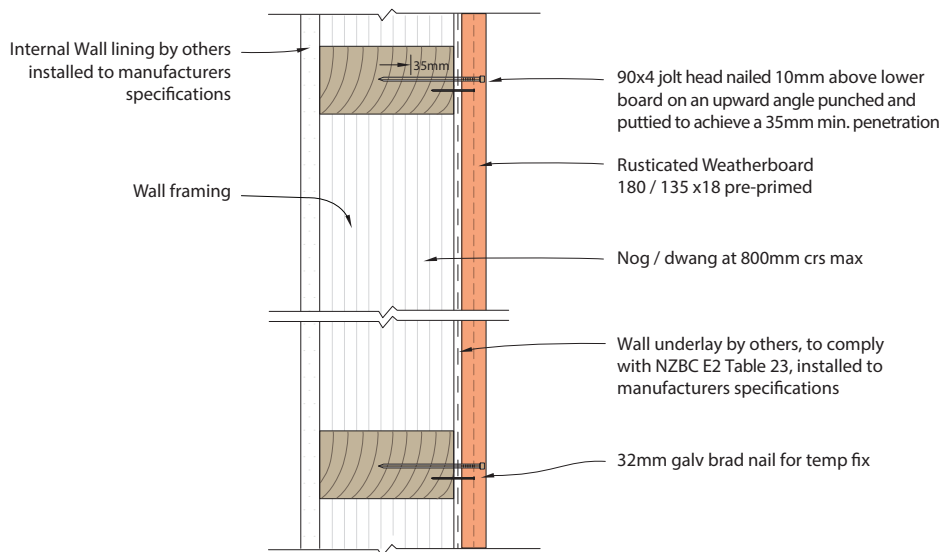
CAVITY FIX

DIRECT FIX

BIRD'S EYE VIEW



BIRD'S EYE VIEW





CAVITY FIX
RUSTICATED

DIRECT FIX

Figure 2: Rusticated - Base of Wall - Concrete Floor

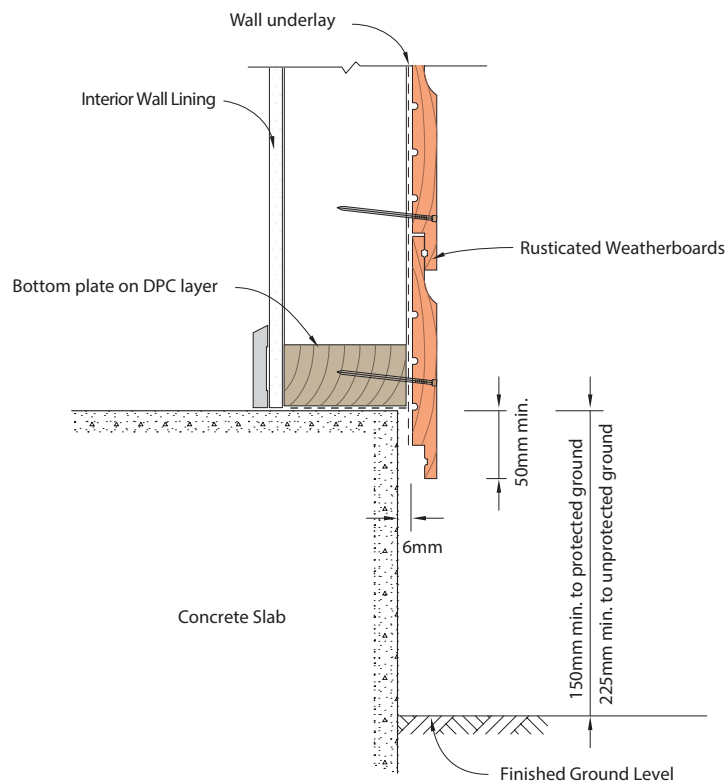
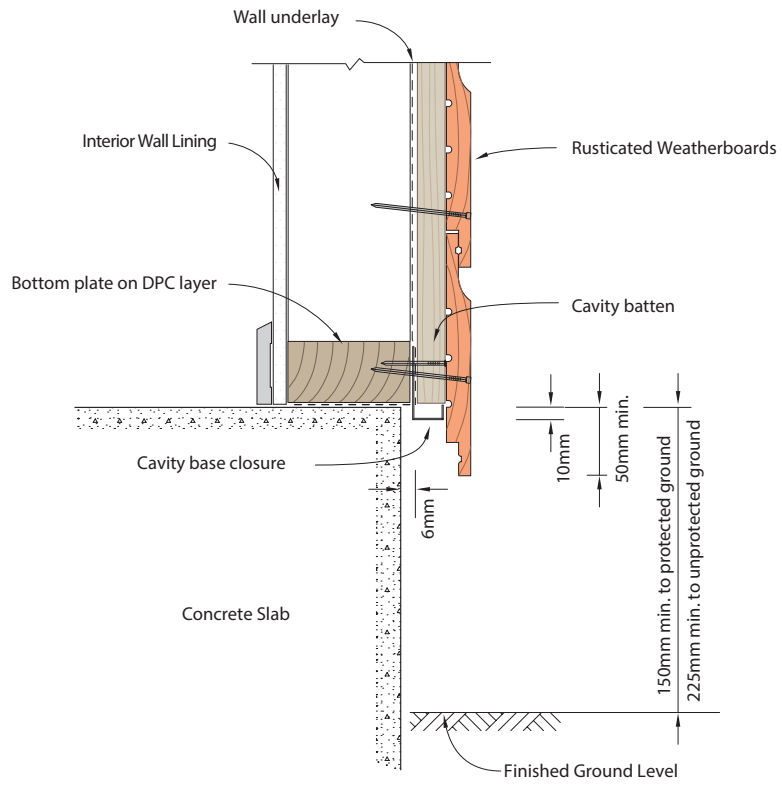
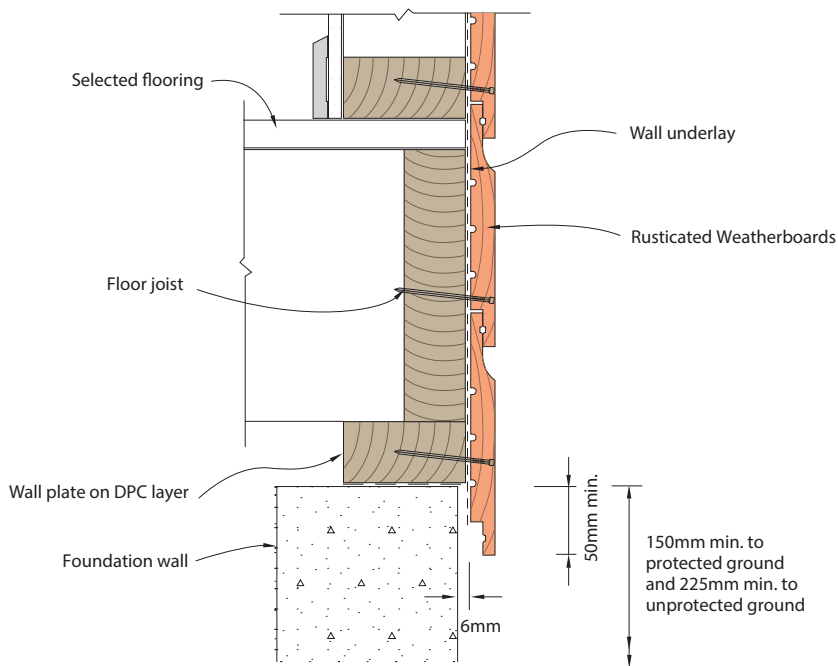
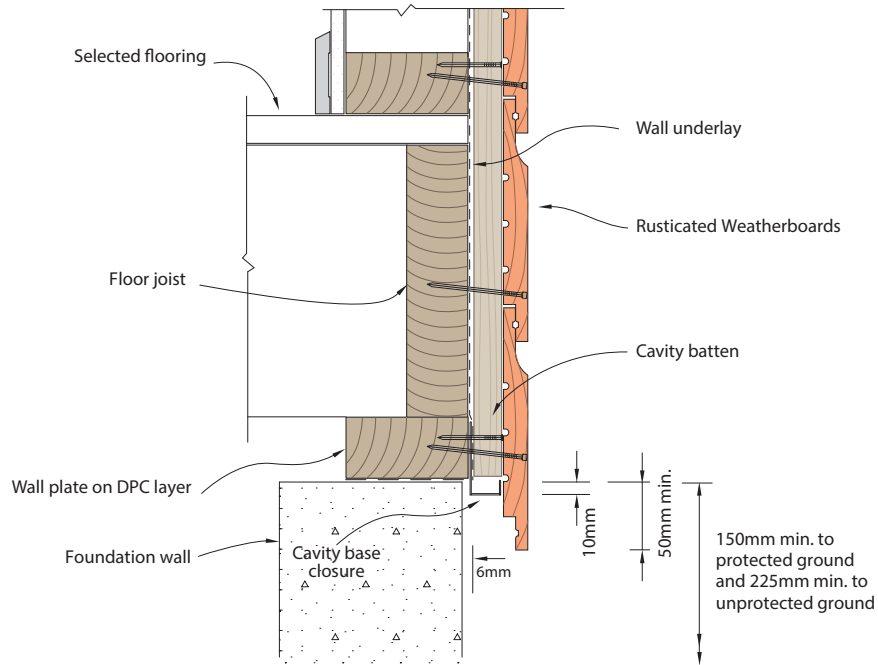


Figure 3: Rusticated - Base of Wall - Timber Floor



RUSTICATED
CAVITY FIX

DIRECT FIX



RUSTICATED

CAVITY FIX

DIRECT FIX

Figure 4: Rusticated - Enclosed Deck - Concrete Substrate

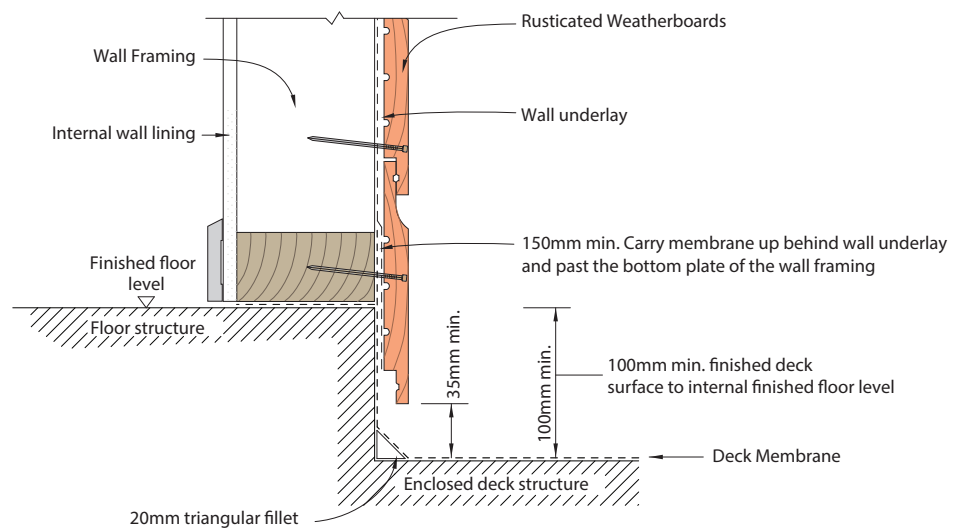
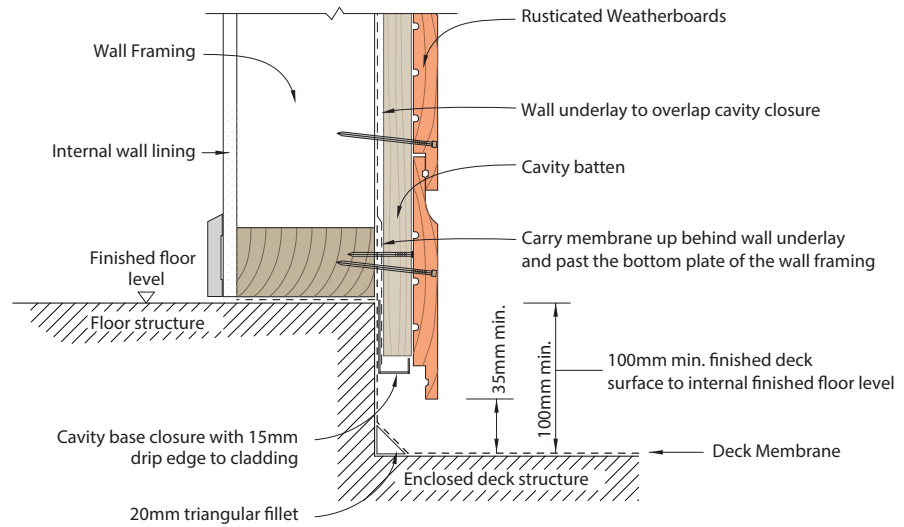
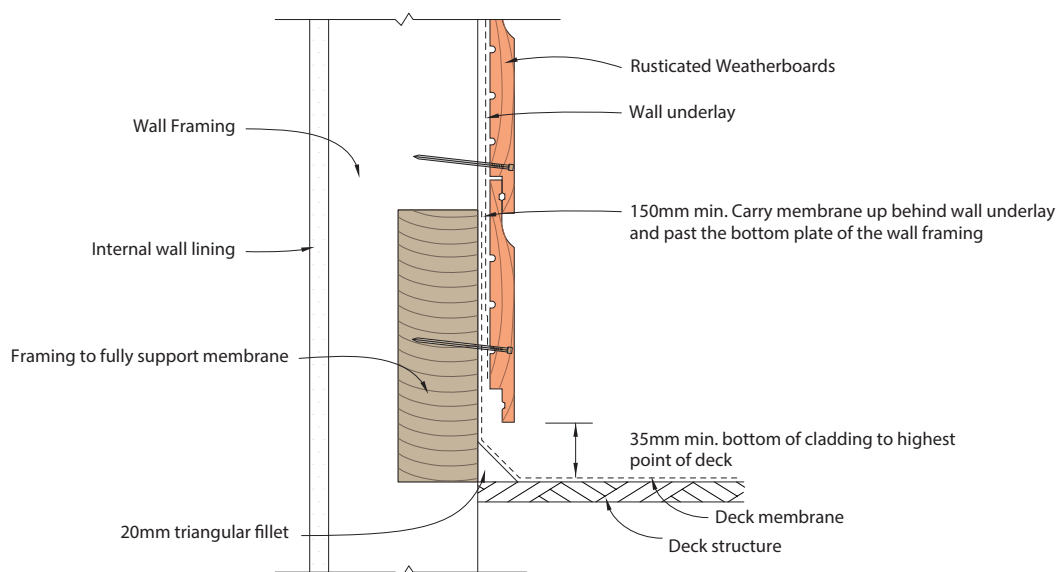
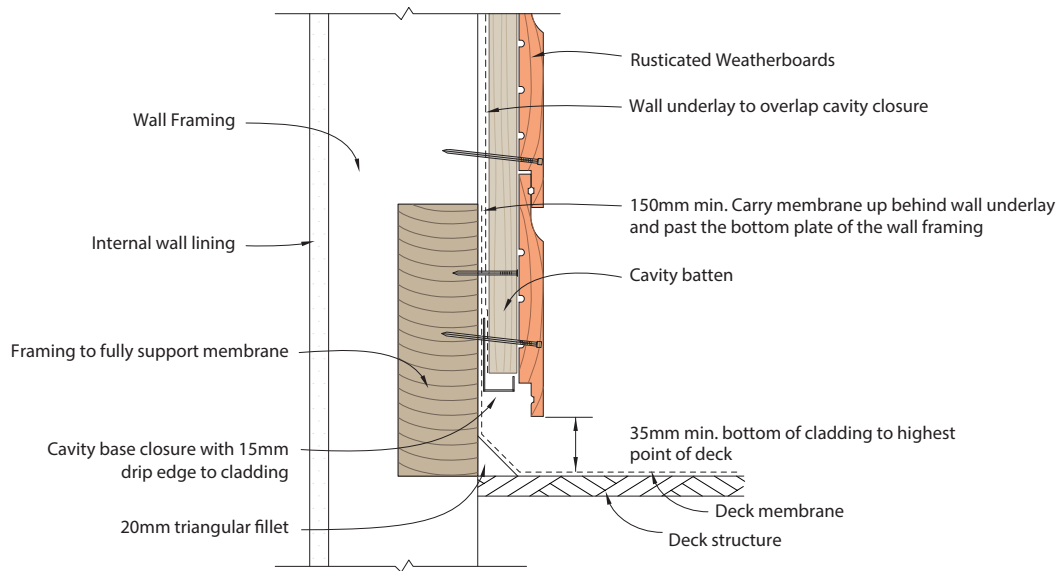


Figure 5: Rusticated - Enclosed Deck - Timber Substrate



RUSTICATED
CAVITY FIX

DIRECT FIX



RUSTICATED

CAVITY FIX

DIRECT FIX

Figure 6: Rusticated - External 90° Corner - Boxed

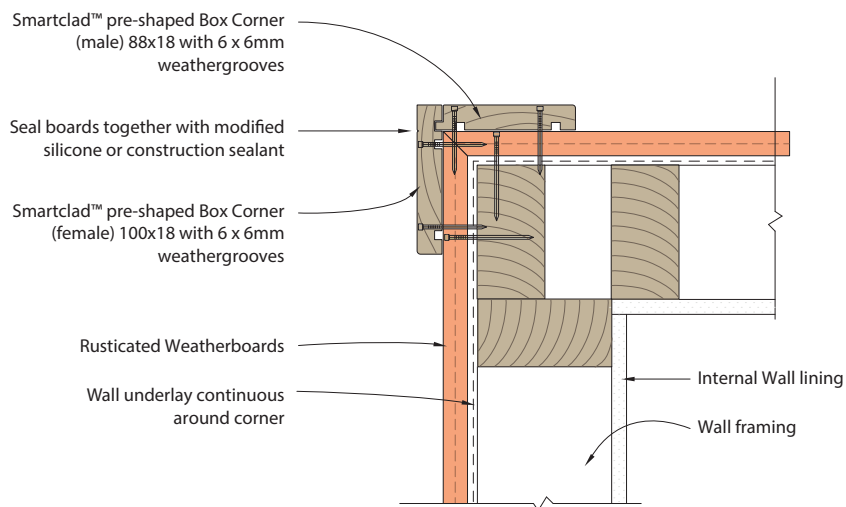
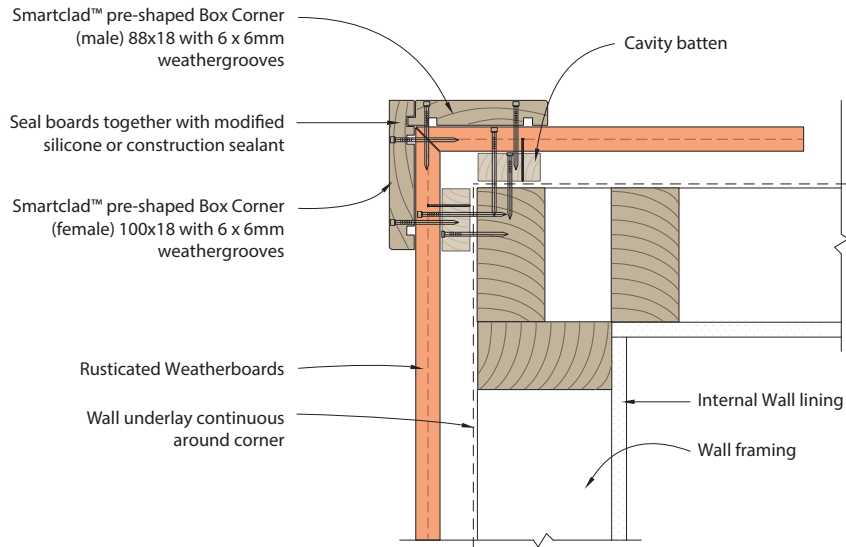
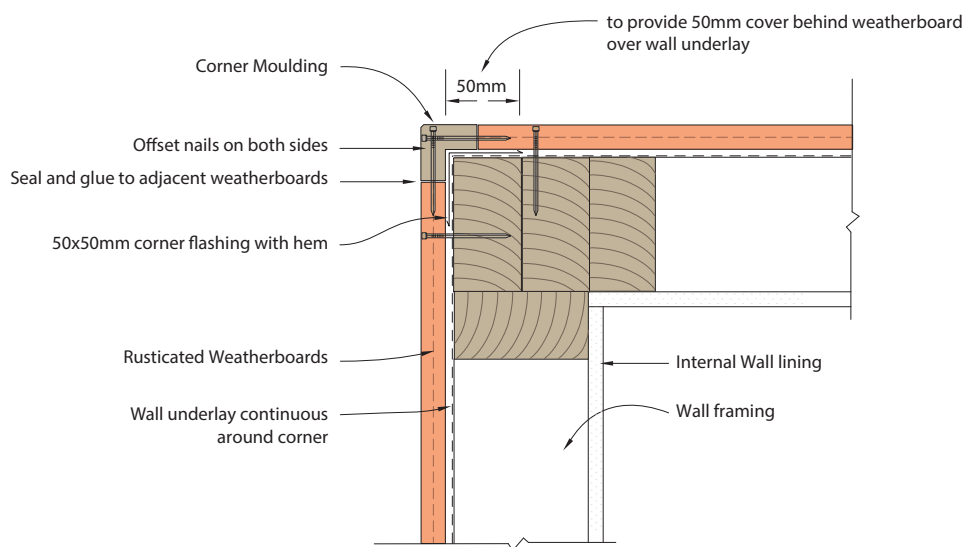
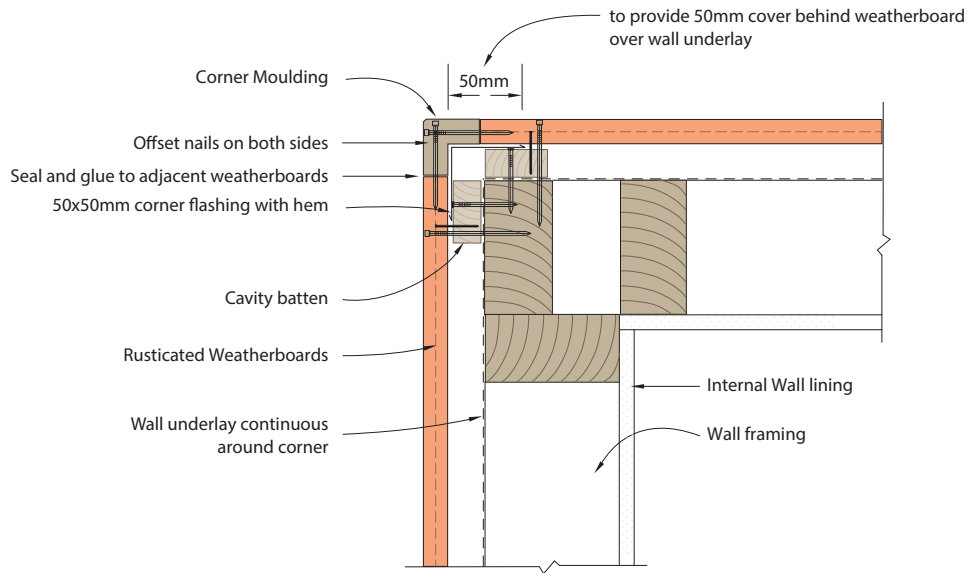


Figure 7: Rusticated - External 90° Corner - Flush Moulding

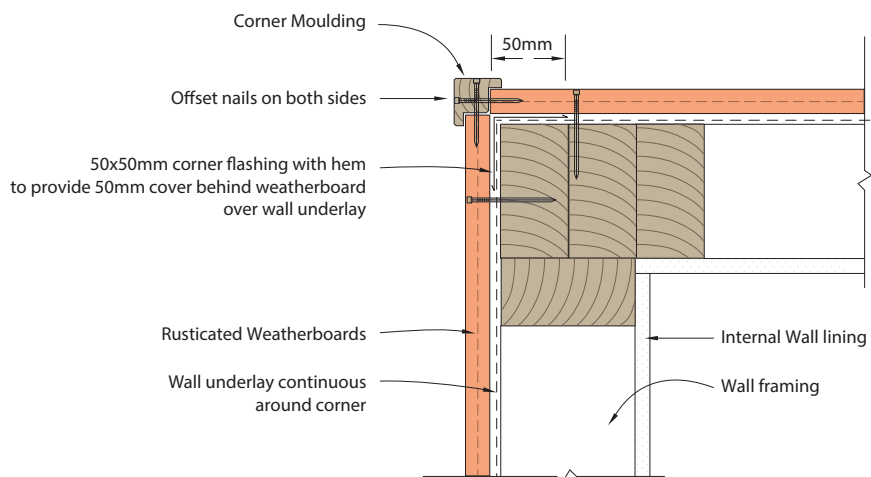
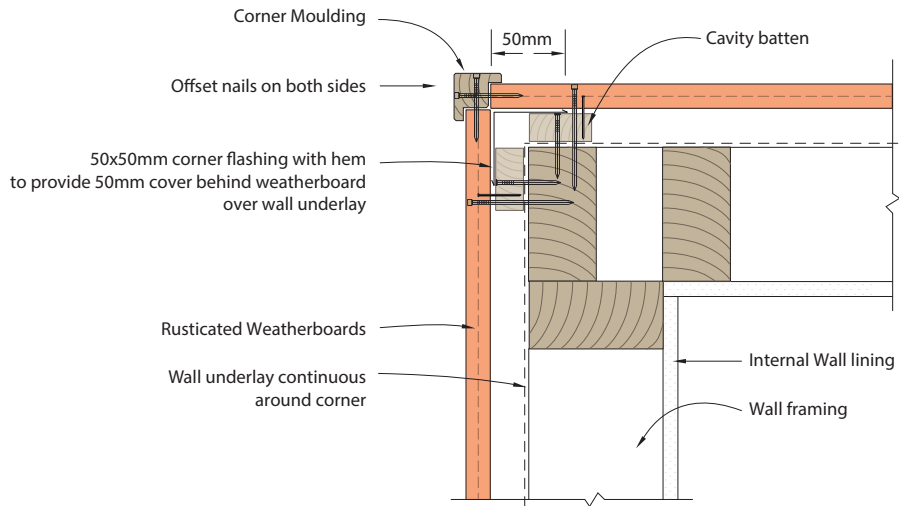


RUSTICATED
CAVITY FIX

DIRECT FIX



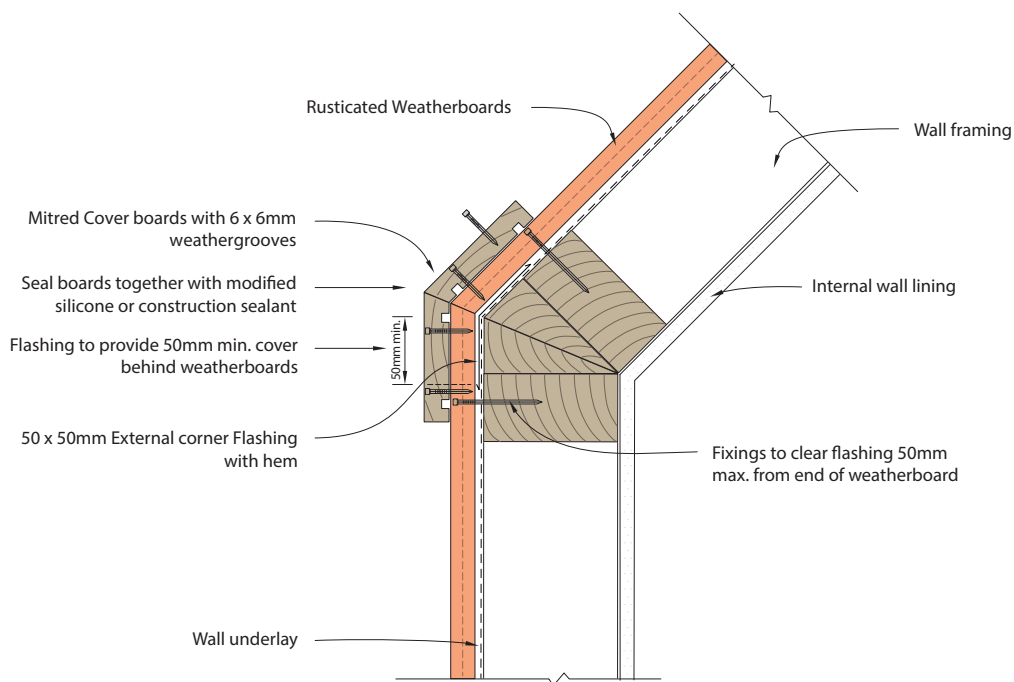
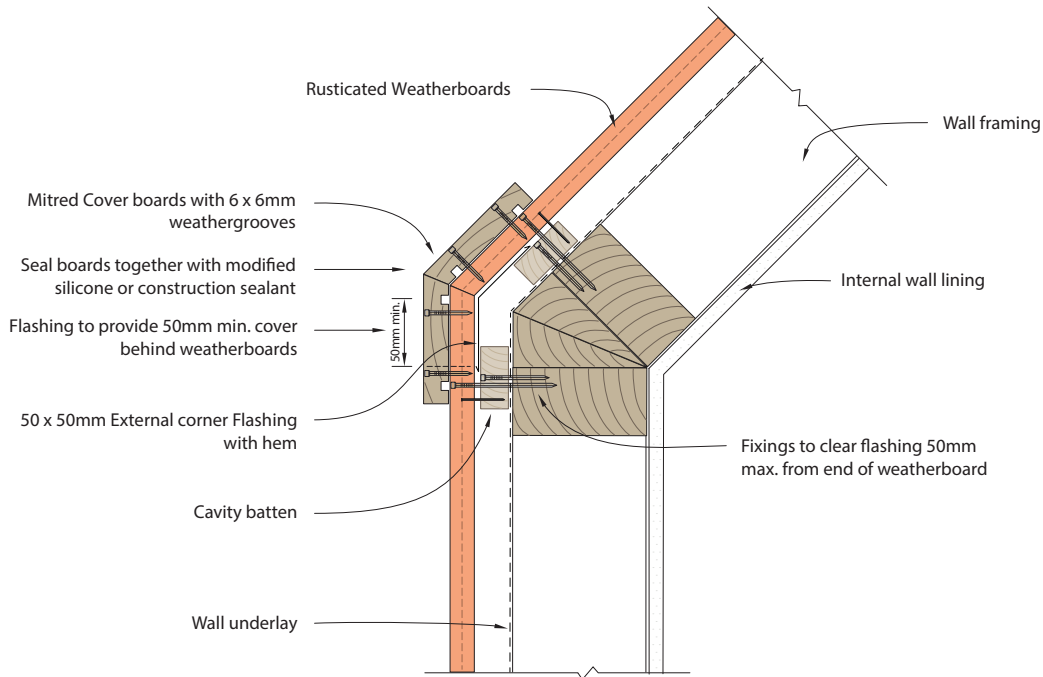
Figure 8: Rusticated - External 90° Corner - Moulding



CAVITY FIX

DIRECT FIX

Figure 9: Rusticated – External 135° Corner – Boxed

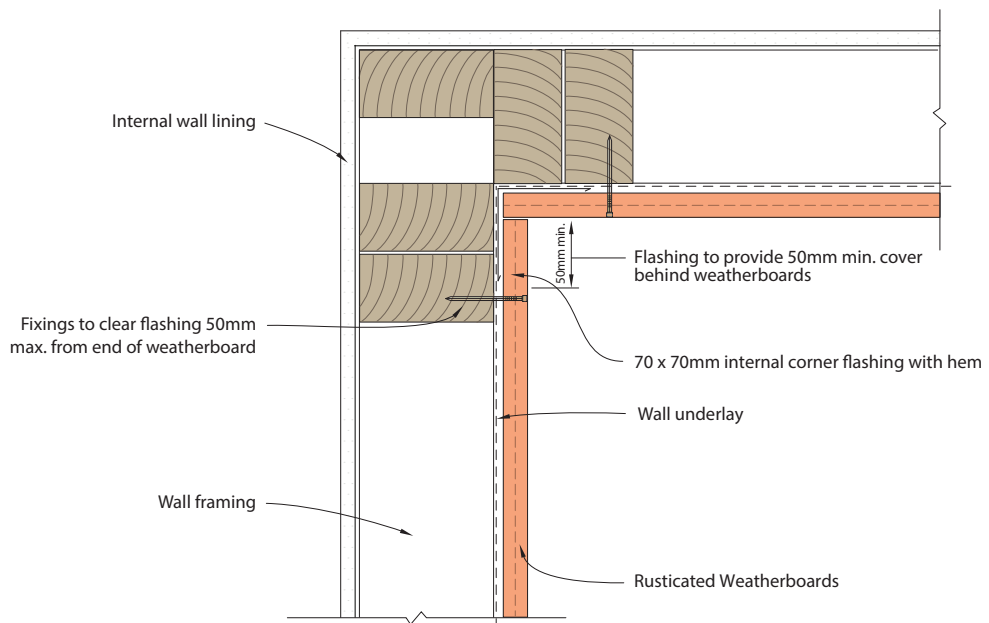
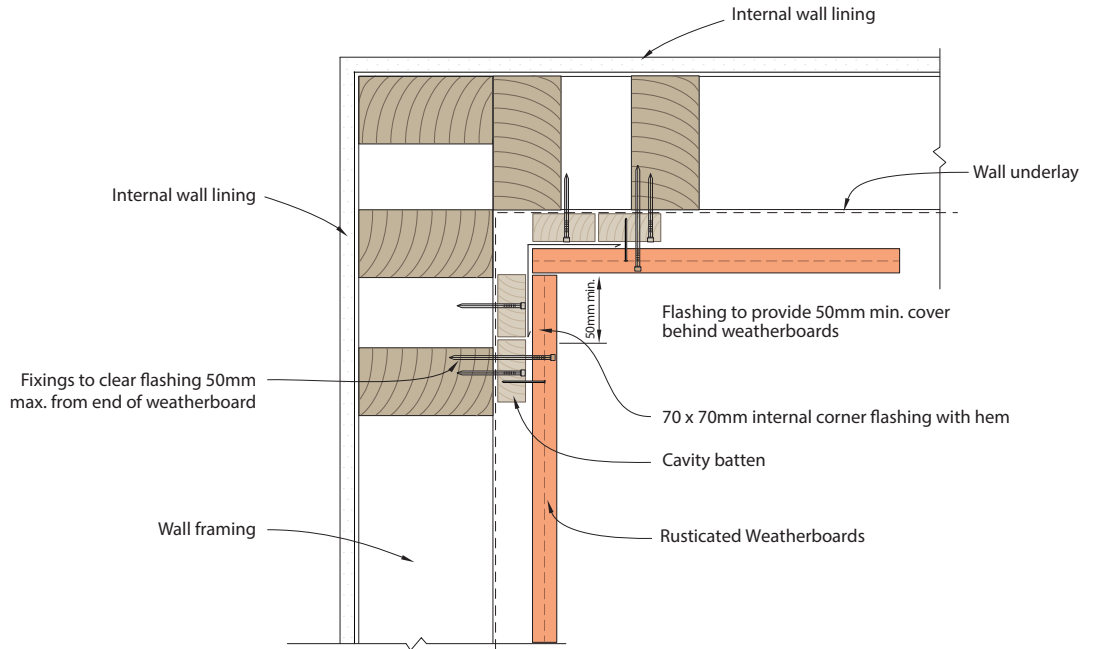


RUSTICATED
CAVITY FIX

DIRECT FIX



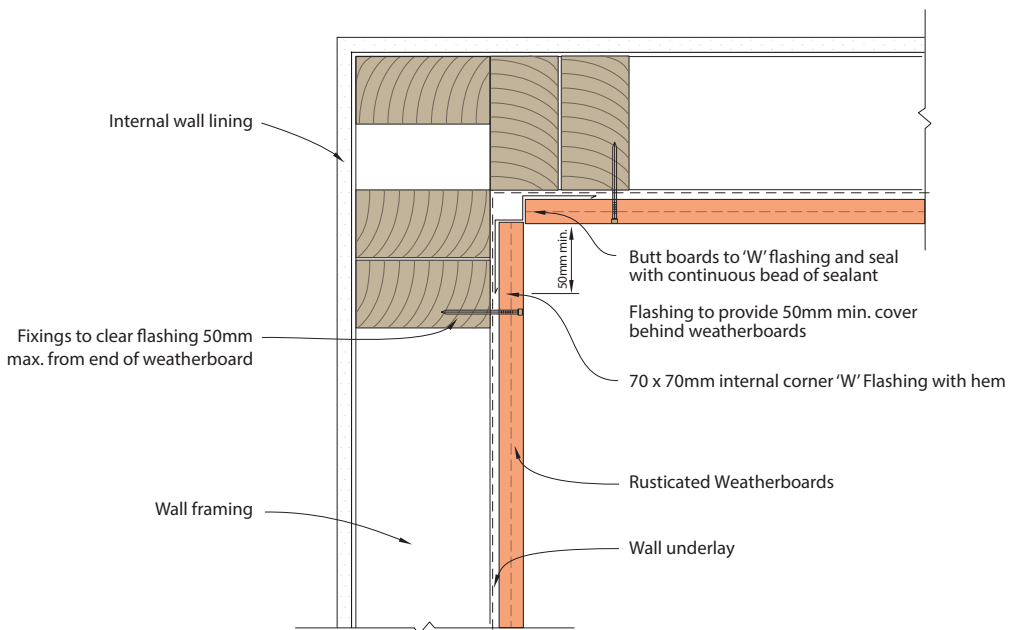
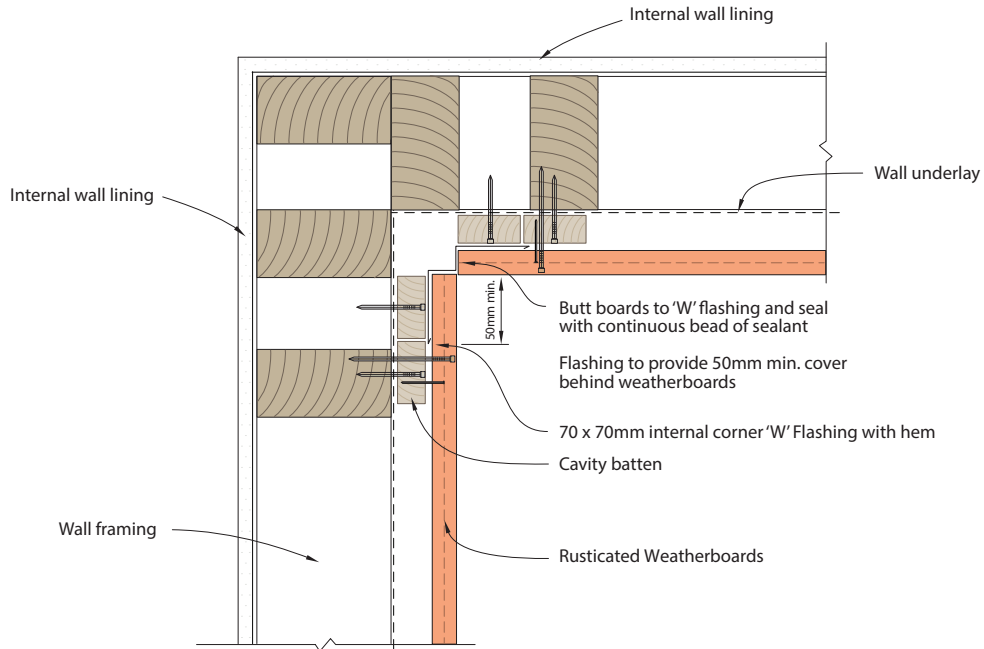
Figure 10: Rusticated - Internal 90° Corner - Butted



CAVITY FIX

DIRECT FIX

Figure 11: Rusticated - Internal 90° Corner - Flashing



RUSTICATED
CAVITY FIX

DIRECT FIX



CAVITY FIX
RUSTICATED

DIRECT FIX

Figure 12: Rusticated - Internal 135° Corner - Flashing

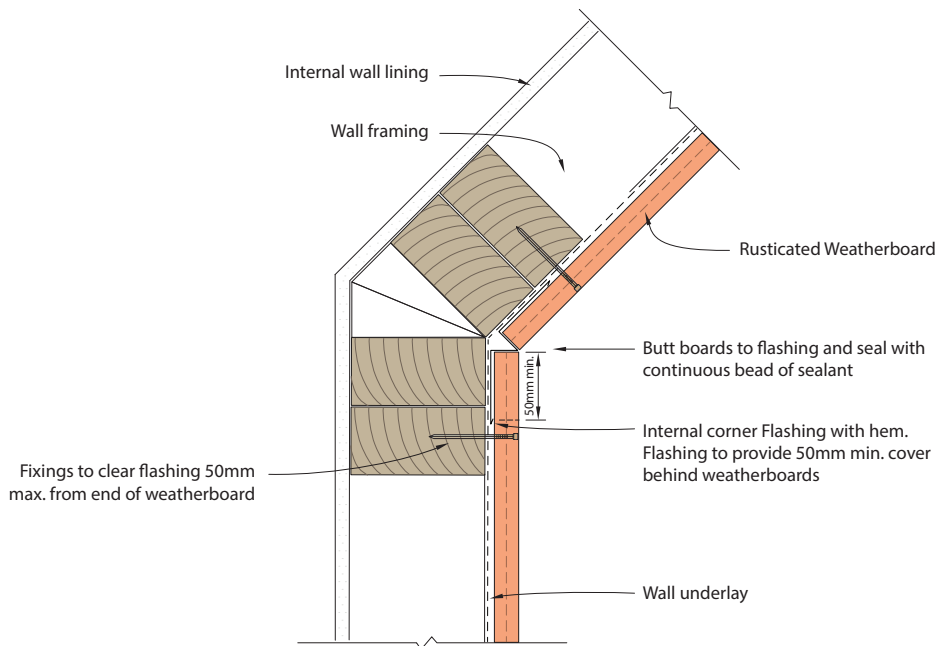
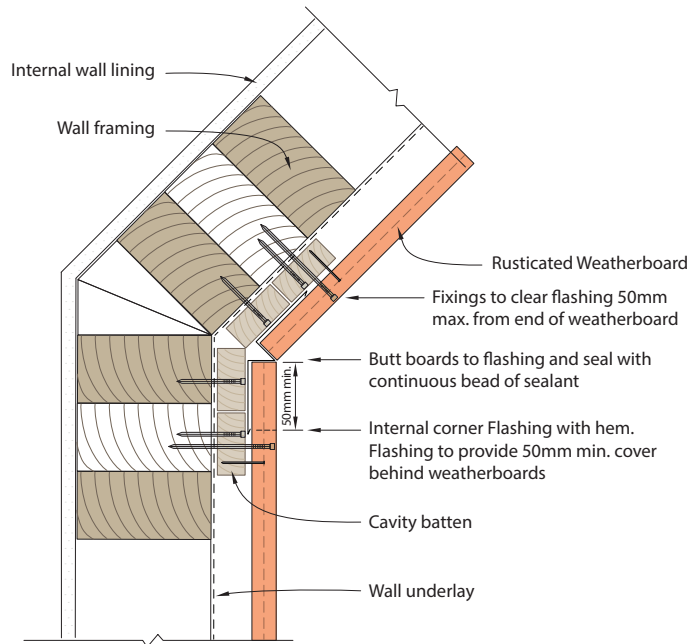
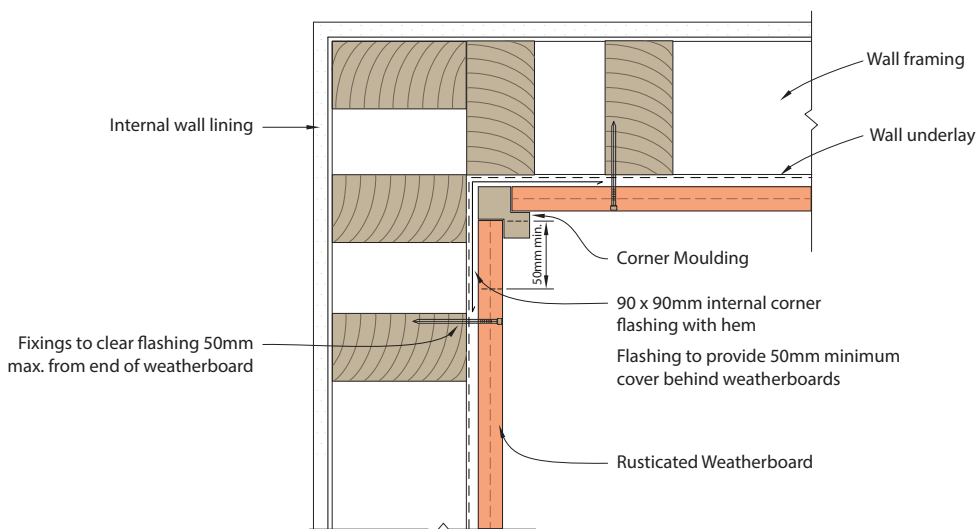
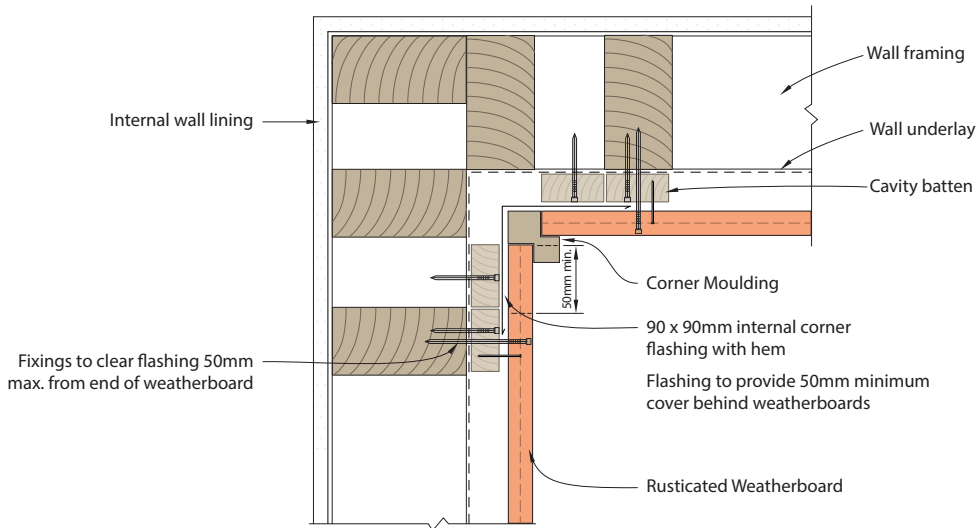


Figure 13: Rusticated - Internal 90° Corner - Moulding

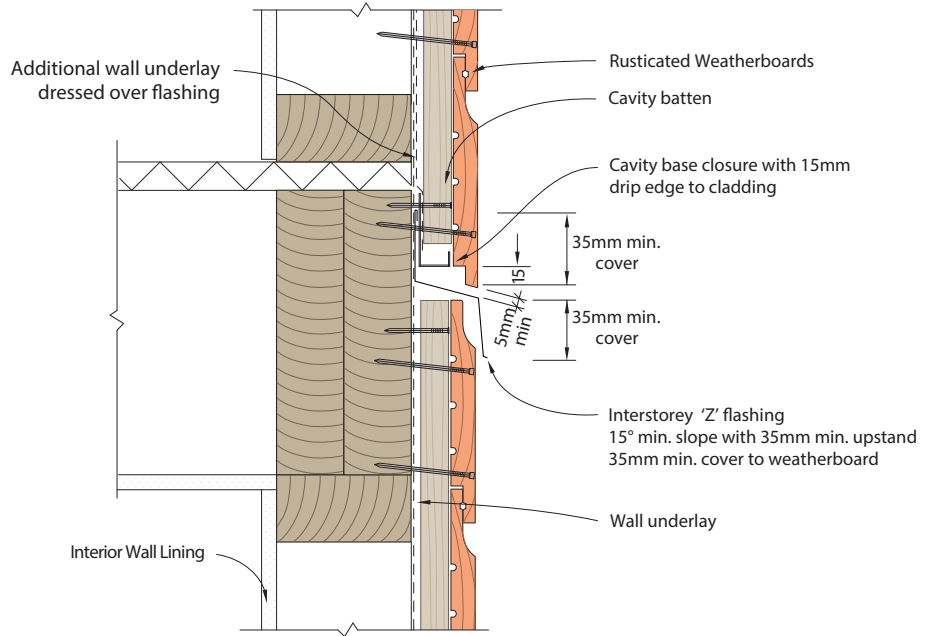


RUSTICATED
CAVITY FIX

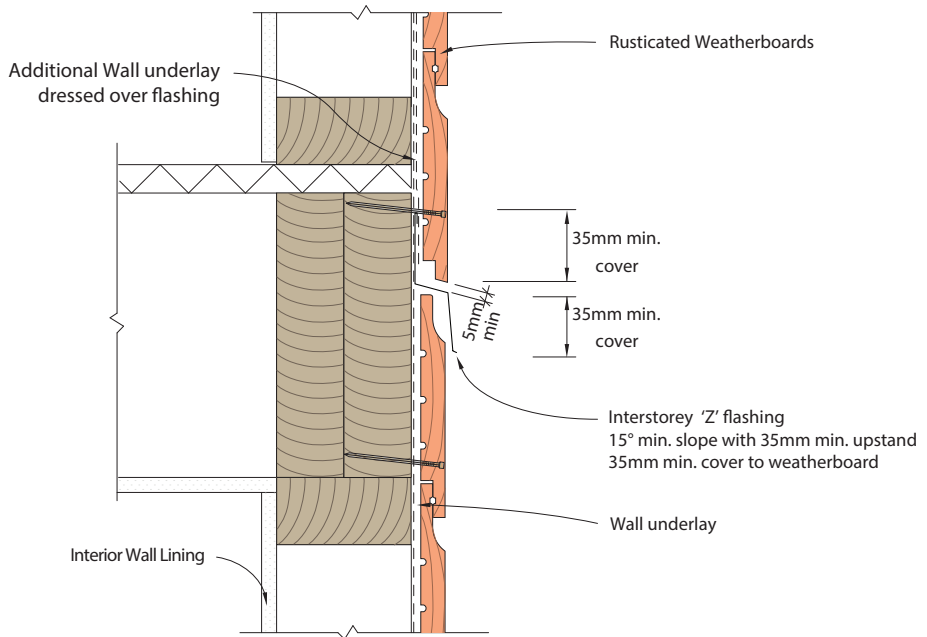
DIRECT FIX



Figure 14: Rusticated - Inter-Storey Cavity Junction



NOTE: To be used to limit continuous cavities to the lesser of 2 storeys or 7 metres



NOTE: To be used to limit continuous cavities to the lesser of 2 storeys or 7 metres

CAVITY FIX
RUSTICATED

DIRECT FIX

Figure 15: Rusticated - Apron Flashing

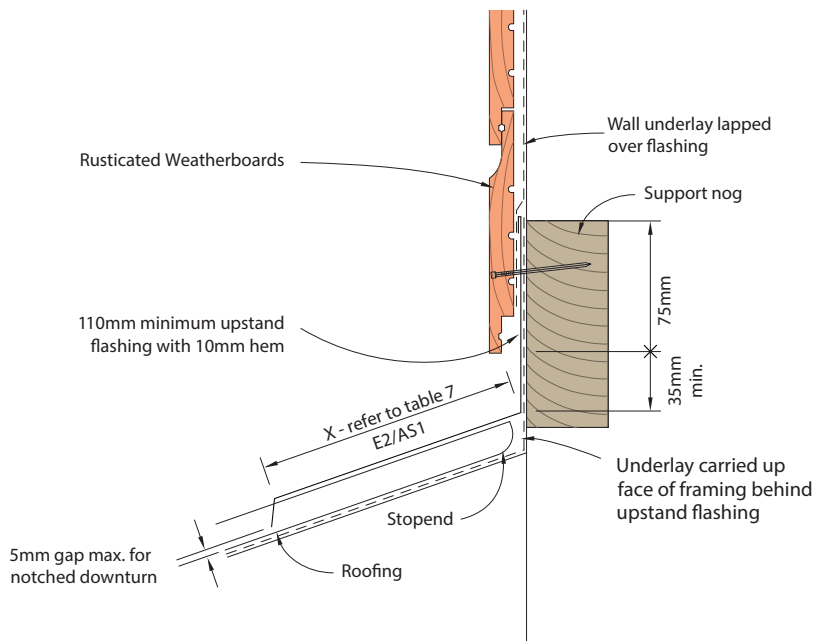
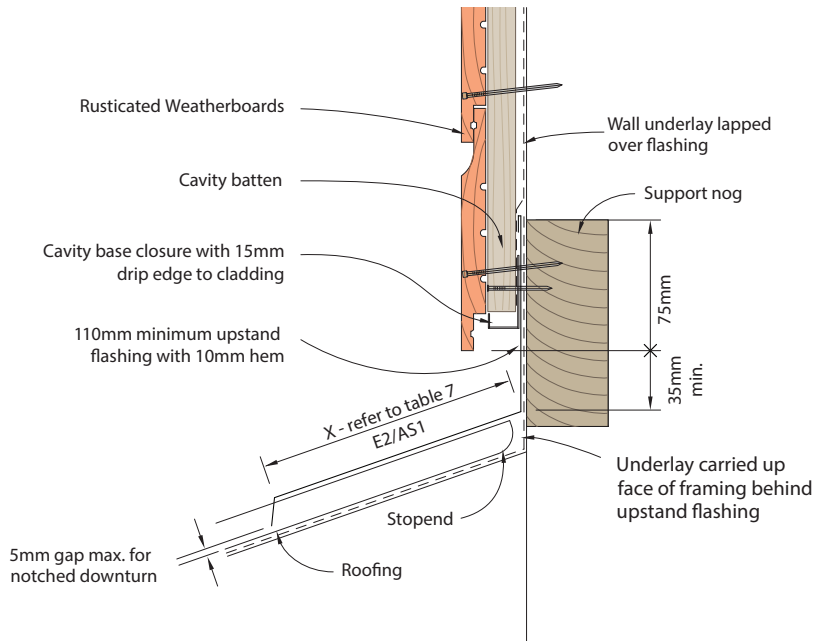
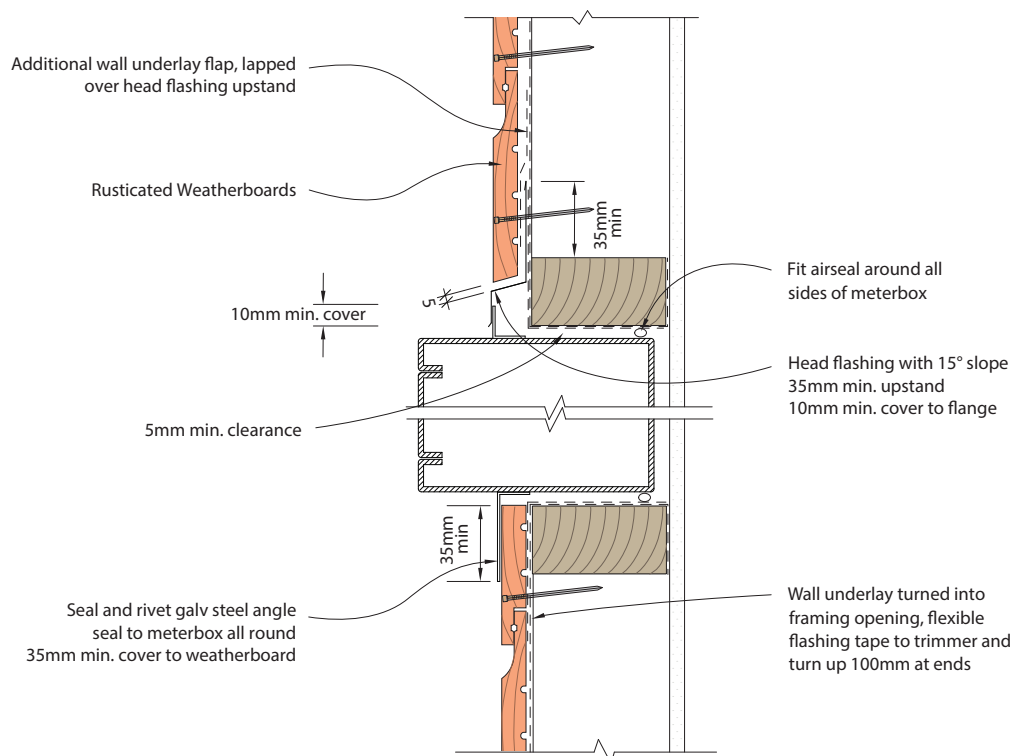
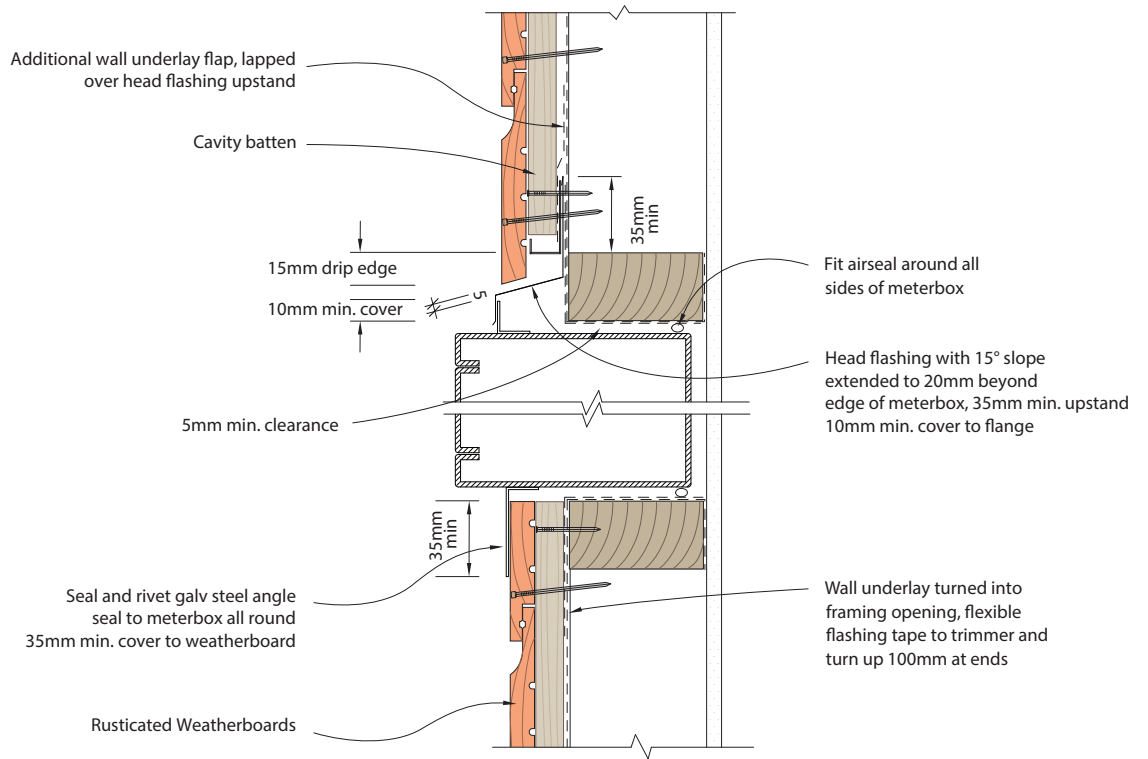




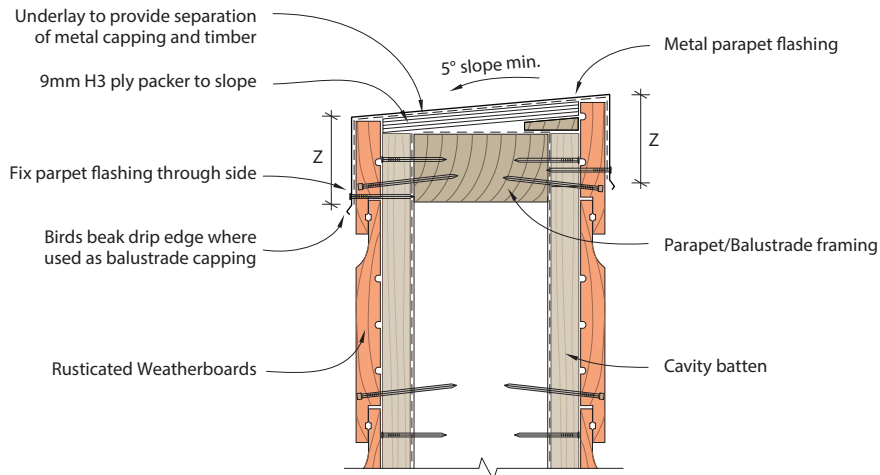
Figure 16: Rusticated – Meter Box Head & Sill



CAVITY FIX

DIRECT FIX

Figure 17: Rusticated - Parapet Balustrade Cap Flashing



Note : Install flexible flashing tape and saddle flashing at junction with full height wall

Z = variable according to wind zone. Refer to E2/AS1 Table 7
parapet flashing to provide 50mm min. cover over weatherboards (70mm for very high wind zones)

Figure 18: Rusticated - Parapet Balustrade Intersection with Wall - Flashing

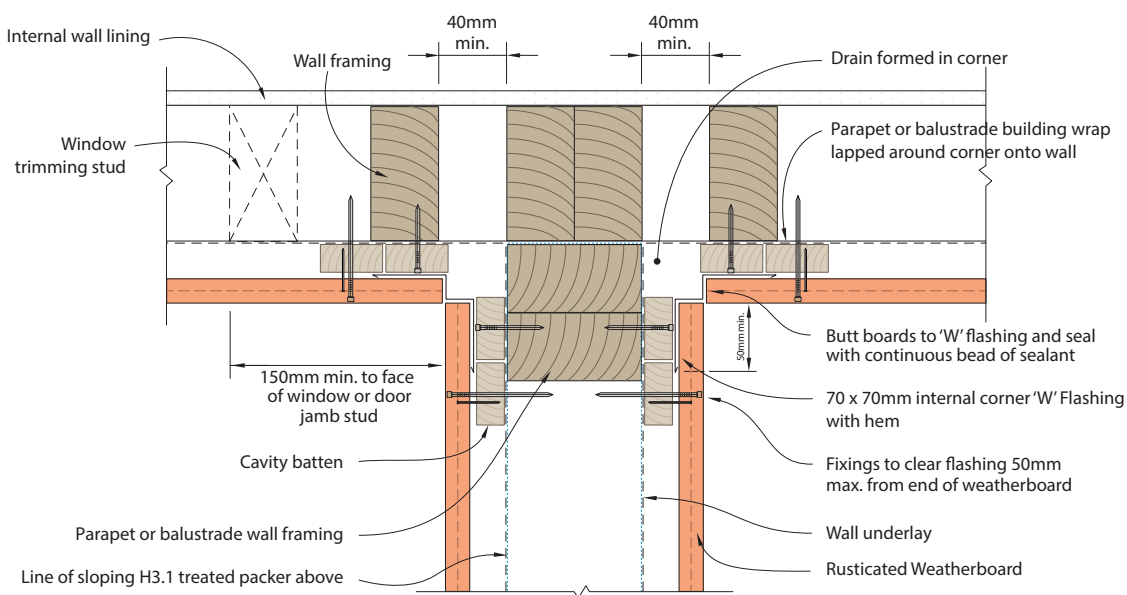


Figure 19: Rusticated - Parapet Balustrade Intersection With Wall - Butted

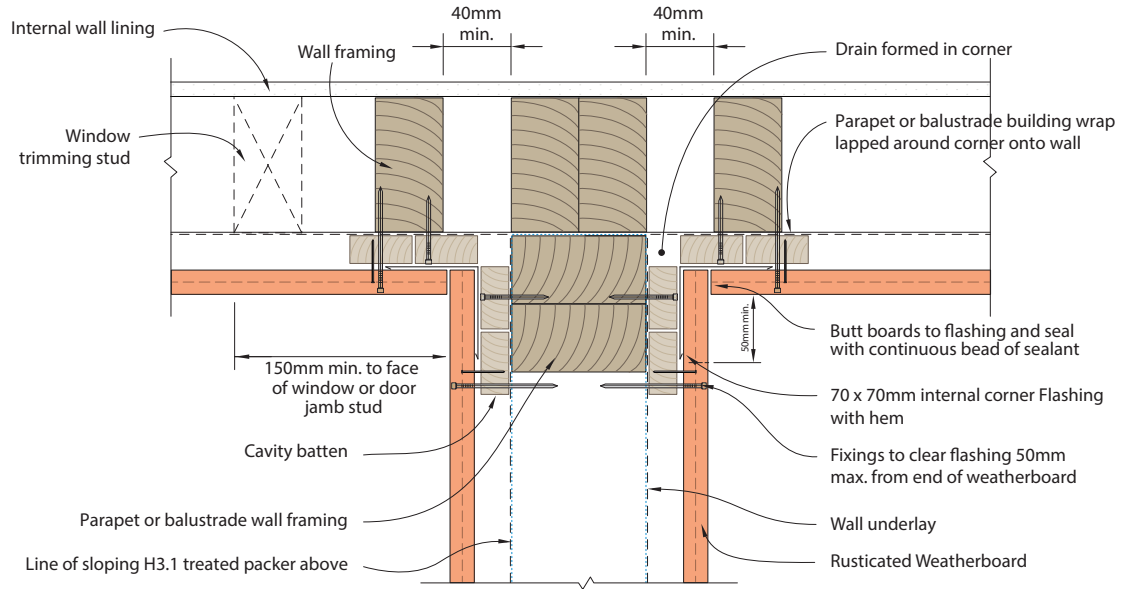


Figure 20: Rusticated - Parapet Balustrade Intersection With Wall - Moulded

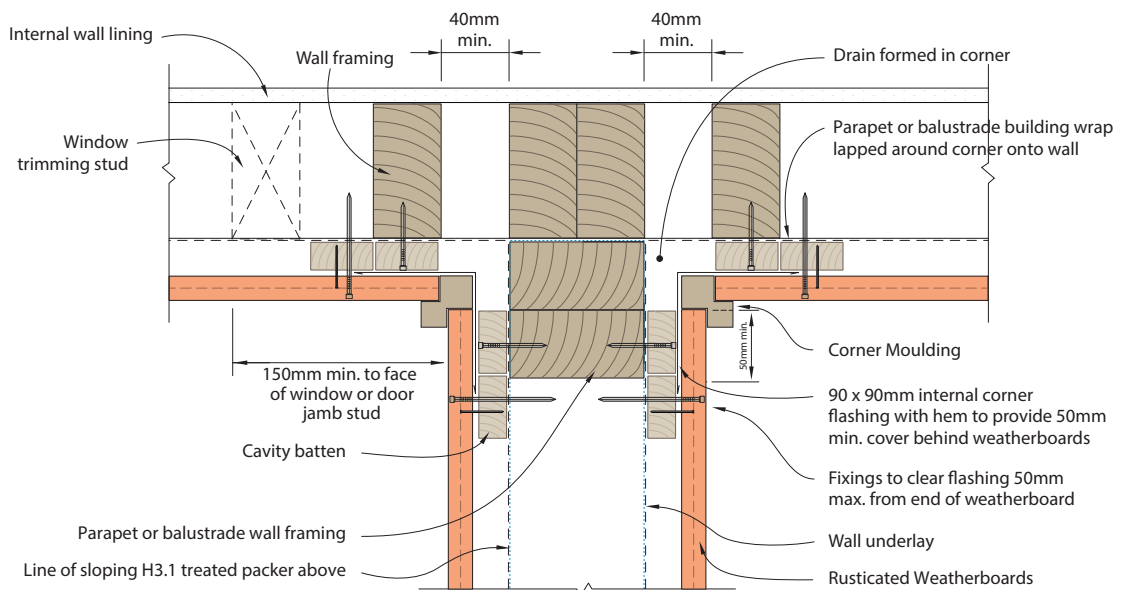
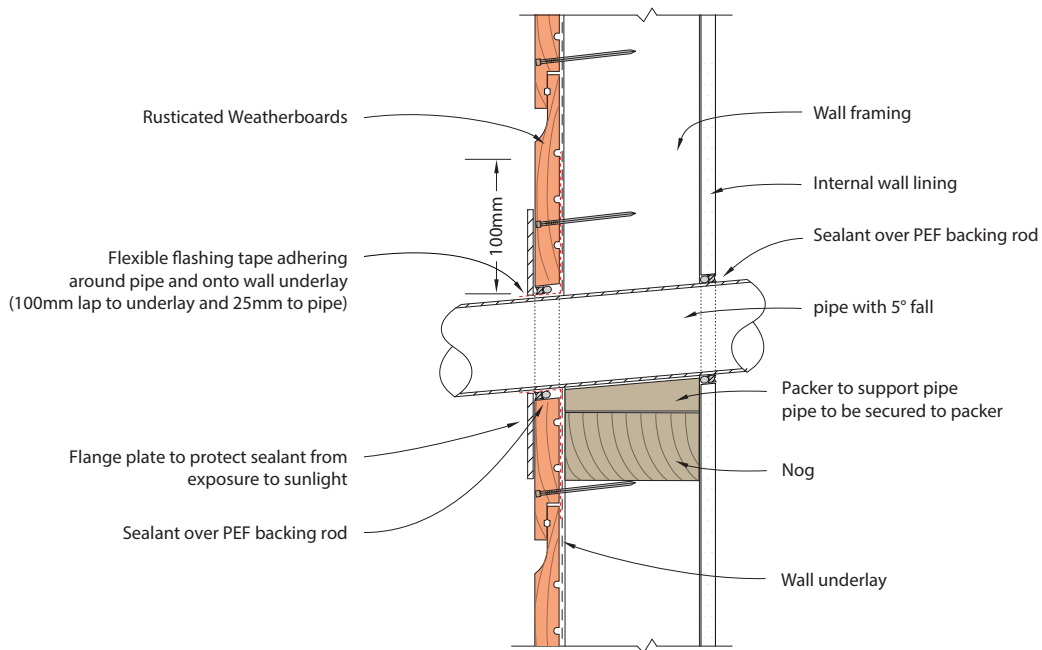
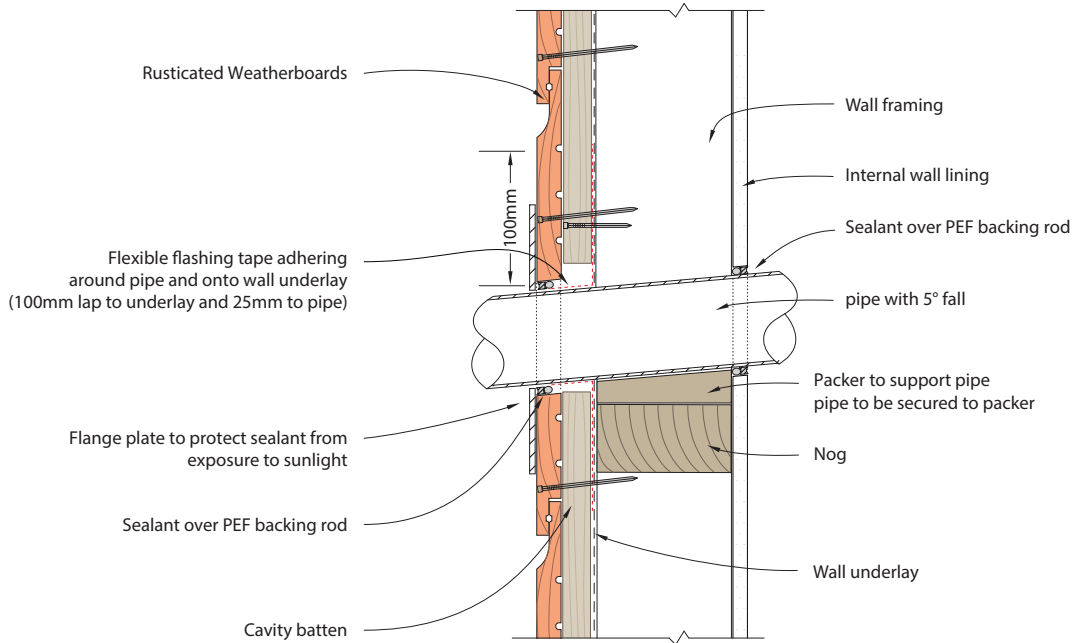


Figure 21: Rusticated – Pipe Penetration



RUSTICATED
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DIRECT FIX



CAVITY FIX
RUSTICATED

DIRECT FIX

Figure 22: Rusticated - Top of Wall - Flat Soffit

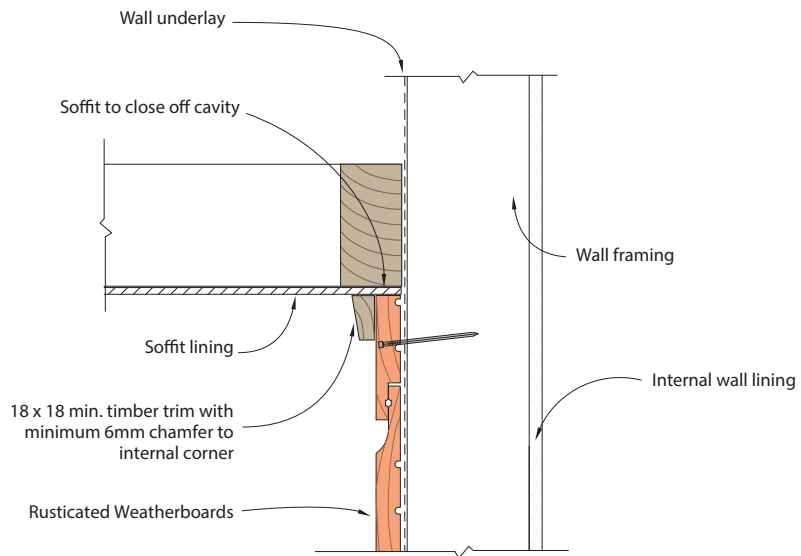
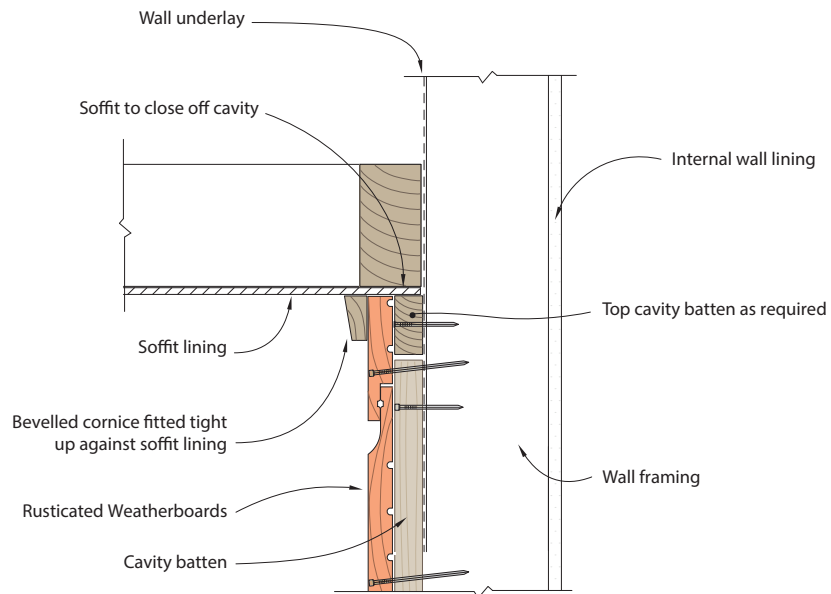
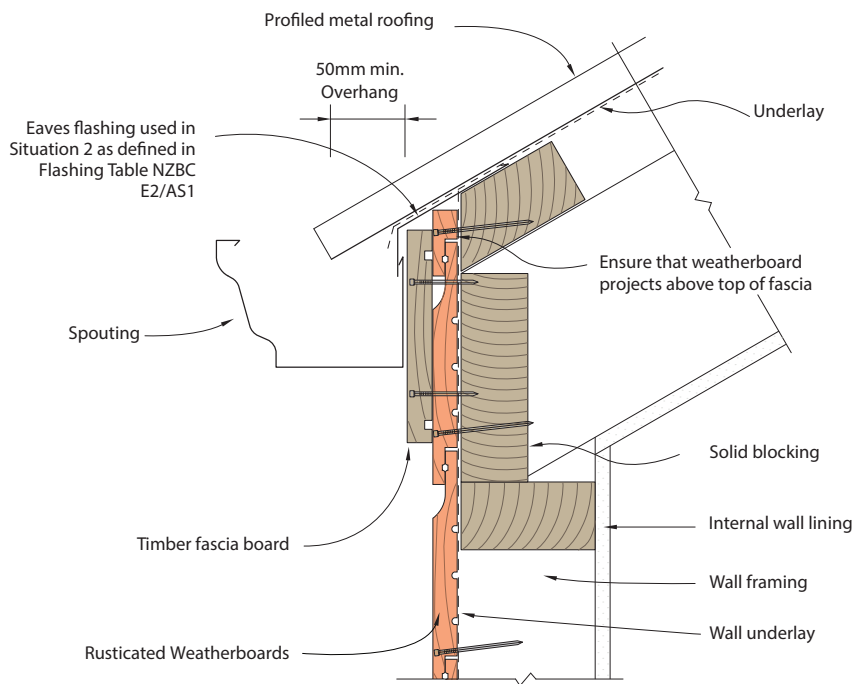
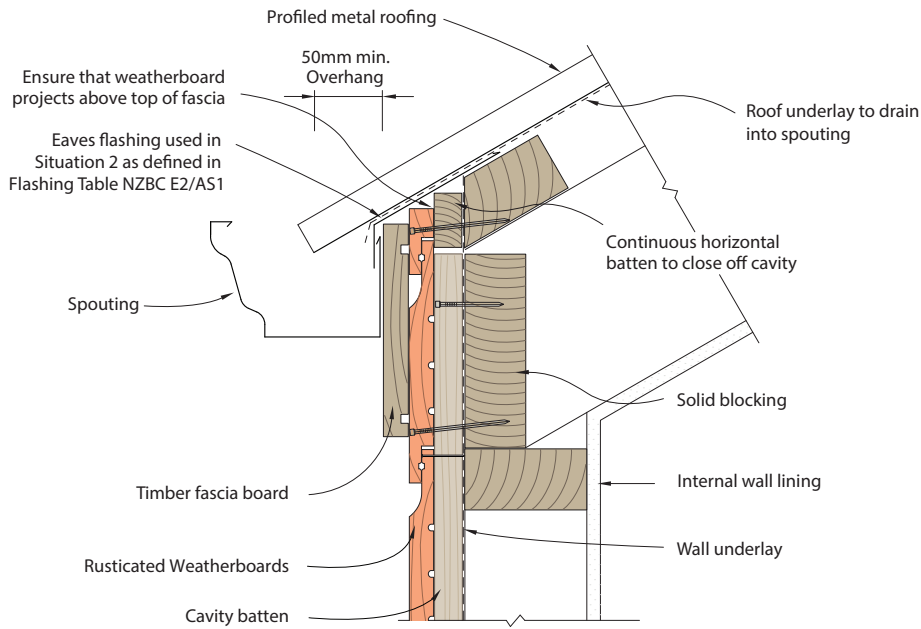


Figure 23: Rusticated - Top of Wall - No Soffit

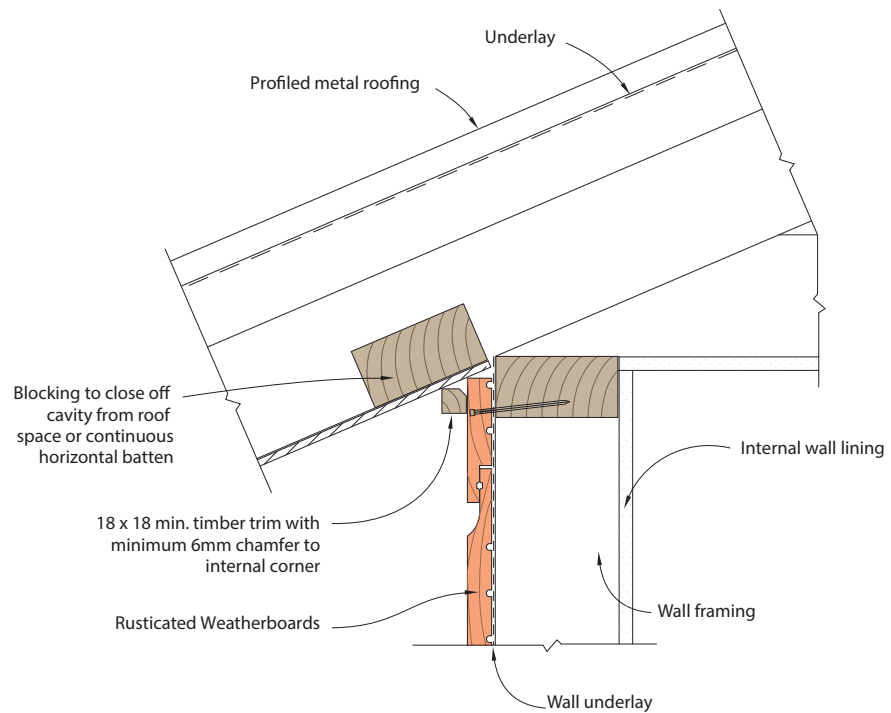
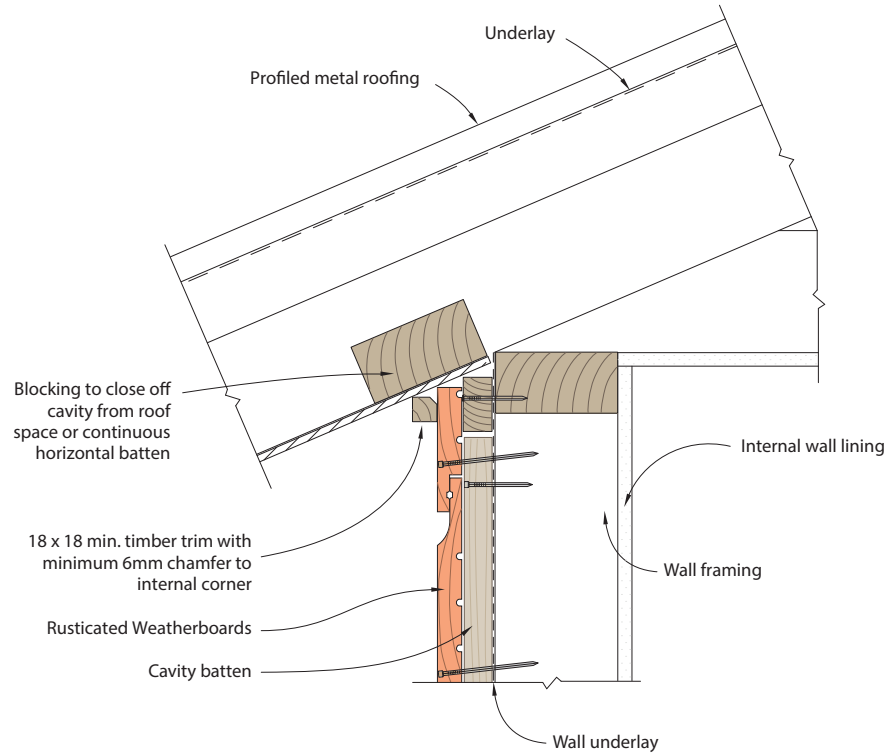


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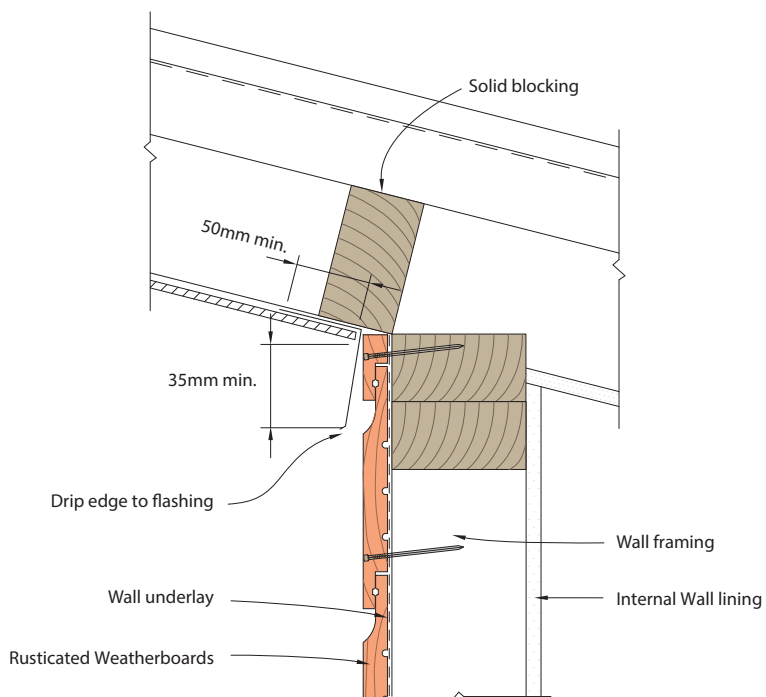
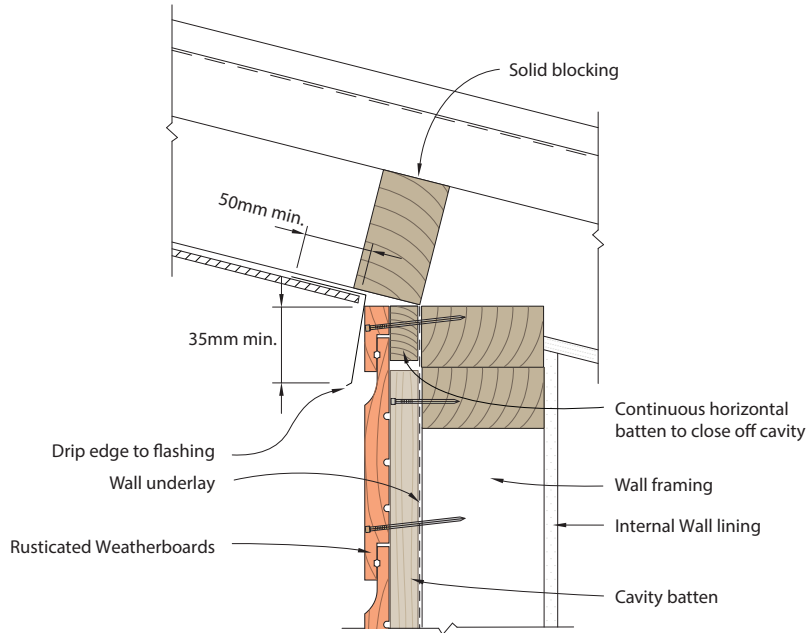
Figure 24: Rusticated - Top of Wall - Sloping Soffit



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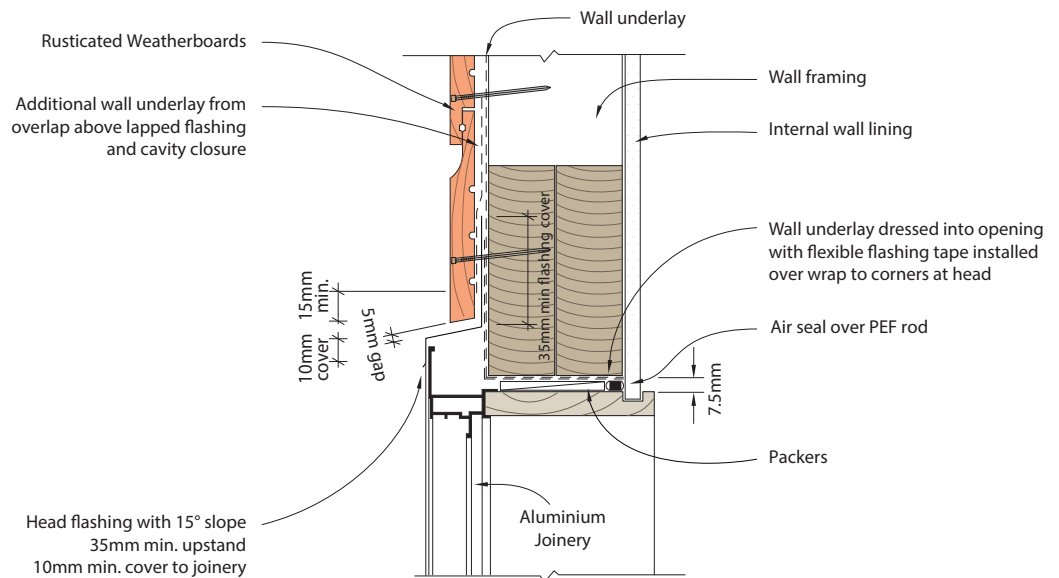
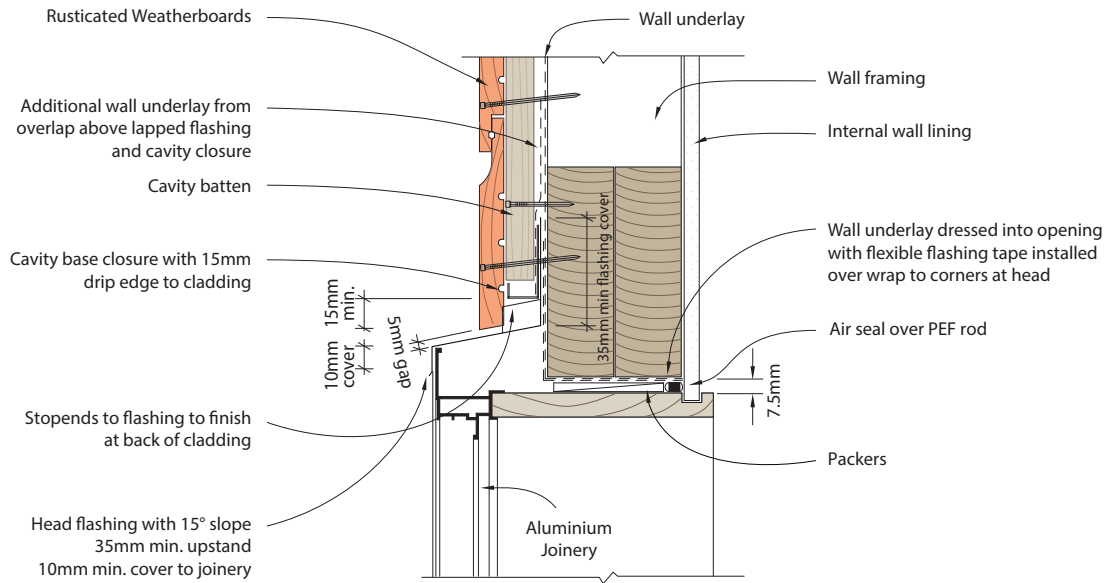
Figure 25: Rusticated - Top of Wall - Reverse Sloping Soffit



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CAVITY FIX

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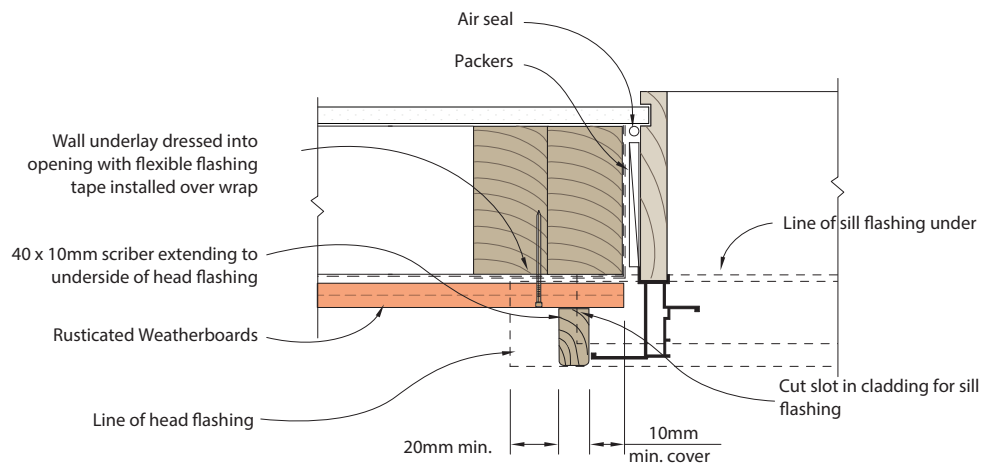
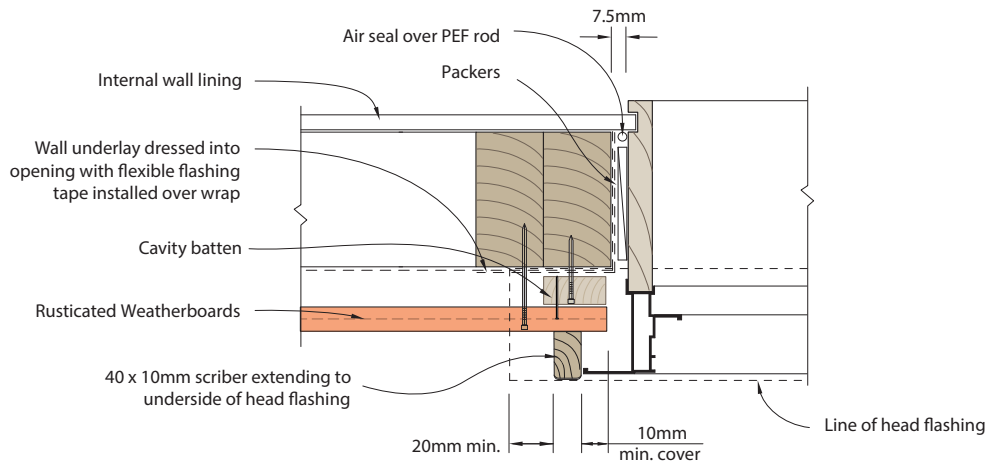
Figure 26: Rusticated - Window Head



CAVITY FIX

DIRECT FIX

Figure 27: Rusticated – Window Jamb



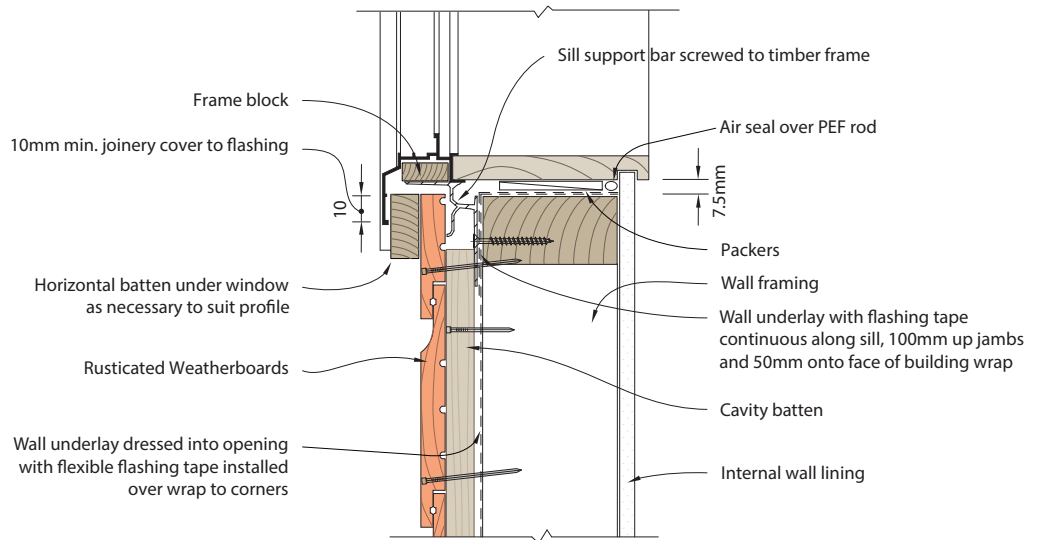
RUSTICATED
CAVITY FIX

DIRECT FIX



Figure 28: Rusticated - Window Sill

RUSTICATED CAVITY FIX



DIRECT FIX

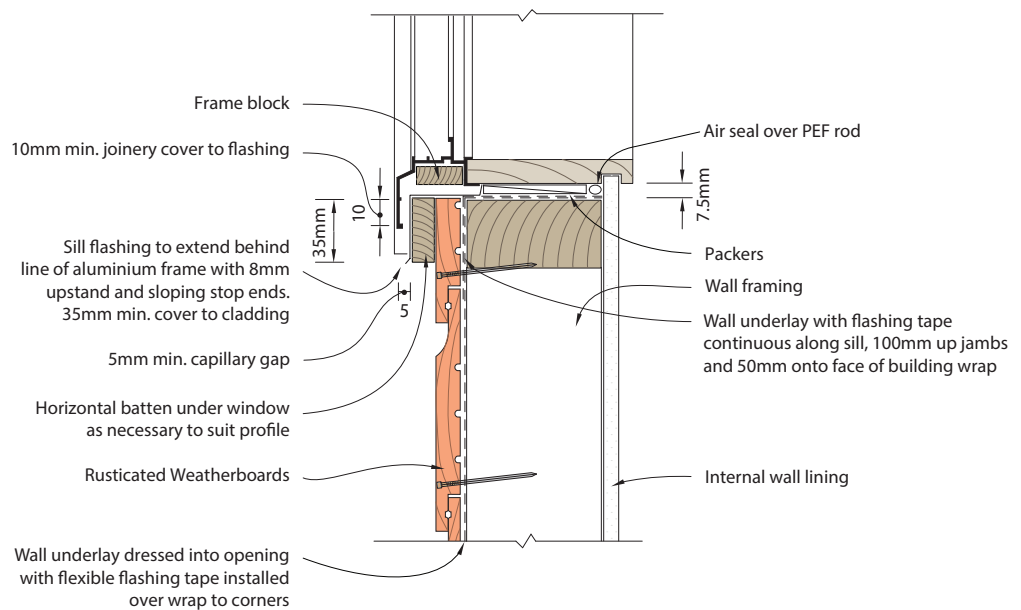
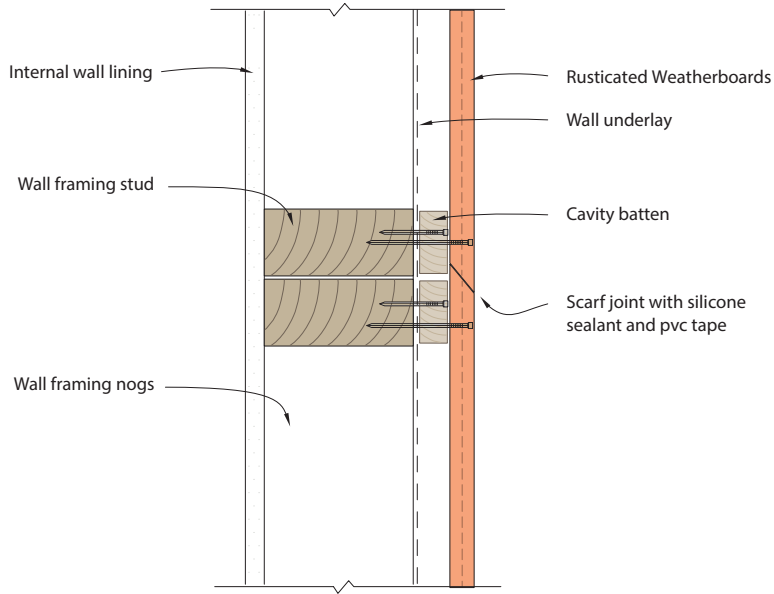
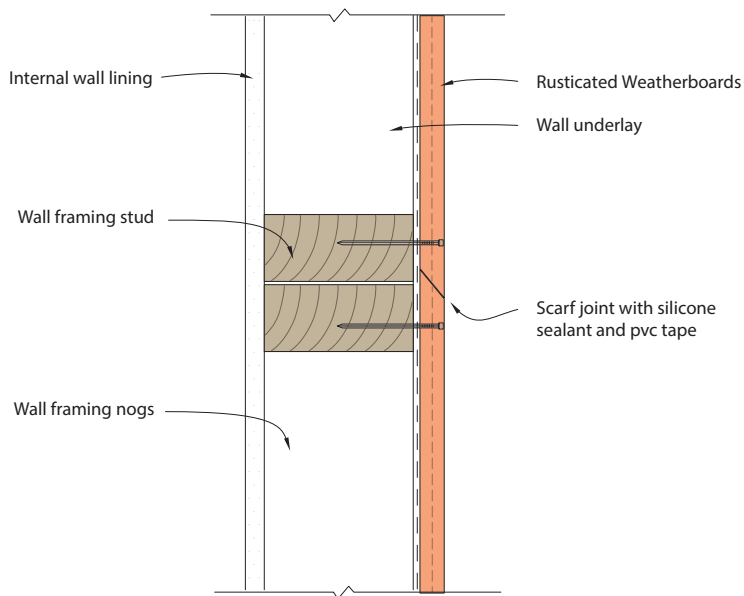


Figure 29: Rusticated - Weatherboard Join

PROFILE VIEW



PROFILE VIEW



RUSTICATED
CAVITY FIX

DIRECT FIX



7. SmartClad Warranty

Definitions:

“Date of Purchase” means the date on which Purepine issues an invoice for the SmartClad product.

“Licensed Building Practitioner” has the meaning prescribed by the Licensed Building Practitioner Rules made pursuant to the Building Act 2004. “Purepine” means Purepine Mouldings Limited and its assignees.

“Purepine Premium Weatherboards and SmartClad weatherboards checklist” means the checklist to be completed by the customer and returned to Purepine after the cladding is completed.

“Resistant” means resistant to the extent set out in SmartClad product literature at the time the SmartClad products were installed.

“SmartClad” means Purepine’s SmartClad weatherboard cladding system, clips and preformed component products.

“SmartClad Technical Manual” means the SmartClad technical manual as updated from time to time available from Purepine’s website www.smartclad.co.nz or by phoning toll-free 0800 768 253 during normal working hours.

“Warranty” means the Warranty given below under the heading “Warranty”.

“Warranty Conditions” means the conditions and limitations listed below under the heading “Warranty Conditions”.

Warranty

Subject to the Warranty Conditions, for a period of 15 years from the Date of Purchase, Purepine warrants that SmartClad will be:

- free from manufacturing and production defects;
- resistant to cracking;*
- resistant to rotting;*
- resistant to damage from borer attacks;* and
- resistant to damage from termite attacks. *

* **Note:** “Resistant” means resistant to the extent set out in the SmartClad product literature at the time of installation.

Warranty Conditions

This Warranty is strictly subject to the following conditions and limitations. Failure to comply with these conditions may result, at the sole discretion of Purepine, in a Warranty claim being rejected.

1 Installation

- 1.1 SmartClad must be installed by competent Licensed Building Practitioner.
- 1.2 SmartClad must be installed strictly in accordance with the SmartClad Technical Manual using only SmartClad products.

1.3 If the SmartClad Technical Manual does not contain the necessary installation instructions, then SmartClad must be installed in accordance with best trade practices as determined by the relevant local authority and, if prudent, as determined by the designer of the structure to which SmartClad is being installed.

1.4 Non-SmartClad products used in conjunction with or alongside SmartClad must be installed/ applied strictly in accordance with the relevant manufacturer’s installation specifications and guidelines or best trade practice if such specifications and guidelines are not available.

1.5 The structure or building in which SmartClad has been incorporated must be designed and constructed in accordance with the New Zealand Building Code current at the time of installation, the Building Act 2004 and all rules, standards, and regulations issued thereunder and all consents issued by local authority for the structure.

2 Maintenance

2.1 SmartClad must be maintained strictly as recommended by the SmartClad Technical Manual.

2.2 Non-SmartClad products used in conjunction with or alongside SmartClad including (but not limited to) coating and jointing systems, must be maintained strictly in accordance with the relevant manufacturers installation specifications and guidelines or best trade practice if such specifications and guidelines are not available.

3 Timing of Claim

3.1 The Purepine Premium weatherboards and SmartClad weatherboards checklist must be completed and returned to Purepine on completion of cladding and no later than 30 days of a defect becoming apparent.

3.2 Claims under the Warranty must be received in writing by Purepine within 30 days of the date the deficiency or fault became or should have become apparent to a building owner acting reasonably.

3.3 Purepine will not be liable for claims made after the time frame specified in 3.1 has expired.

3.4 Except as otherwise permitted by law, and without limiting anything else contained herein, all claims against Purepine must be made through the supplier of SmartClad.

4 Privity of Contract

4.1 The Warranty is for the benefit of the customer named on Purepine’s purchase invoice only.

4.2 Without limiting clause 4.1, this Warranty is not transferable to subsequent owners or occupiers of the structure to which SmartClad is installed.

5 Remedies

- 5.1 Upon receipt of a valid Warranty claim, Purepine will in its sole discretion elect to either:
- 5.1.1 supply replacement SmartClad for installation by the customer; or
 - 5.1.2 undertake rectification works on the affected SmartClad; or
 - 5.1.3 pay for the cost of the replacement or rectification of the affected SmartClad.
- 5.2 Other than as specified in clause 5.1, no other remedies are available to the customer under this Warranty.
- 5.3 The customer acknowledges and agrees that replacement product and/or remedial works may result in colour variations between the original and replacement SmartClad due to the effects of weathering and changes to SmartClad materials over time. Purepine shall not be liable to the customer for any such colour variations.

6 Limitation of Liability

- 6.1 Other than as stated herein, Purepine will not be liable for any losses, liabilities, costs, charges, expenses, damages whether direct, indirect or consequential, howsoever arising as a result of a defect or deficiency or fault in SmartClad.
- 6.2 For clarity, but without prejudice to the generality of clause 6.1, Purepine will specifically not be liable for any losses, liabilities, costs, charges, expenses, damages whether direct, indirect or consequential, arising from or in any way attributable to poor workmanship, poor design, poor detailing, structural settlement, structural movement, movement of materials to which SmartClad is attached, improper structural design, acts of God including but not limited to earthquakes, cyclones, floods or other severe weather conditions, efflorescence, performance of paint or coatings applied to SmartClad, normal wear and tear, growth of mould, mildew fungi, bacteria, or any attachment of any organism on the surface of SmartClad (whether on the exposed or unexposed surfaces). This Warranty does not exclude or modify any legal rights a customer may have under the Consumer Guarantees Act 1993.
- 6.3 To the fullest extent allowed by law, all warranties, conditions, liabilities and obligations expressed or implied by law other than those specifically set out in this Warranty are excluded. Without limiting the generality of the foregoing, unless otherwise specified in writing at the Date of Purchase, Purepine assumes no liability for SmartClad being fit for any particular purpose.
- 6.4 Failure to complete and return the Purepine Premium weatherboards and SmartClad weatherboards checklist may void warranty.

8. Maintenance

- 7.1 Building owners are responsible for the maintenance of the SmartClad™ Bevelback, Rusticated and Vertical Shiplap Weatherboard Cladding Systems.
- 7.2 Regular maintenance is essential to ensure the performance requirements of the NZBC are continually met and to ensure the maximum serviceability of the system.
- 7.3 Regular cleaning (at least annually) of the paint coating is required to remove grime, dirt and organic growth and to maximise the life and appearance of the paint. Grime may be removed by brushing with a soft brush, warm water and detergent. Paint systems must be recoated at approximately 7-10 yearly intervals in accordance with the paint manufacturer's instructions.
- 7.4 Annual inspections must be made to ensure that all aspects of the cladding system, including the paint coating system, flashings and any sealed joints remain in a weatherproof condition. Any damaged areas or areas showing signs of deterioration which would allow water ingress must be repaired immediately. Sealant and paint coatings must be repaired in accordance with the relevant manufacturer's instructions.
- 7.5 Minimum ground clearances as set out in this manual must be maintained at all times during the life of the system. (Failure to adhere to the minimum ground clearances will adversely affect the long term durability of the SmartClad™ Horizontal Rusticated Weatherboard Cladding Systems.)

9. Health and Safety

Purepine Mouldings Limited weatherboards and timber accessories are cut with conventional hand and power tools. Cutting of boards must be carried out in well ventilated areas. Personal protective equipment such as dust masks, eye and hearing protection must be worn.

10. Disclaimer

The recommendations contained in this document are based on good building practice, but are not an exhaustive statement of all relevant information. The successful performance of the system relies on many factors outside the control of Purepine Mouldings Limited such as the quality of workmanship and design.

Purepine Mouldings Limited shall not be liable for the recommendations made in its literature and the performance of the system including conformance with the NZBC, regulations and standards. It is the responsibility of the building designer to ensure that the details and recommendations provided are suitable for the intended project and that the design is executed appropriately.

SMART'CLAD™

The intelligent timber weatherboard

For more information call
the tollfree help line **0800 768 253**
or visit **www.smartclad.co.nz**

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