MANAHAU H3.1 Bevelback
Technical Manual

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PRODUCT WARRANTY

MANAHAU is Southern Pine's range of H3.1 treated and factory pre-primed, finger-jointed weatherboards. MANAHAU is manufactured from New Zealand Radiata Pine. This product is warranted for 15 years if used in accordance with the enclosed terms and conditions.

Southern Pine Products Ltd (SPP) warrants to replace and / or compensate for defective or substantial product failure subject to the claimant providing;

- proof that the product has been made, or supplied by, SPP and has failed or is substantially unfit for purpose
- timely written notification of the failure of the product (within 30 days of becoming apparent)
- reasonable evidence to indicate the product has been stored, installed and maintained in keeping with normal best practises and consistent with SPP instructions (as per SPP website and brochures)

Warranty is limited to replacement of product or cost value of product at SPP sole discretion and does not extend to any labour or consequential damage caused to other product. Such replacement will be considered full and final compensation.

Cladding and exterior products must be installed by a qualified builder (LBP).

H3.1 Treated MANAHAU
15 Year Limited Product Warranty

Inclusions:

- Southern Pine MANAHAU products
- Product delamination, splitting or breaking not for reasons excluded below
- Product decay or rot
- Gross manufacturing defects
- Incorrect profiling other than minor variations

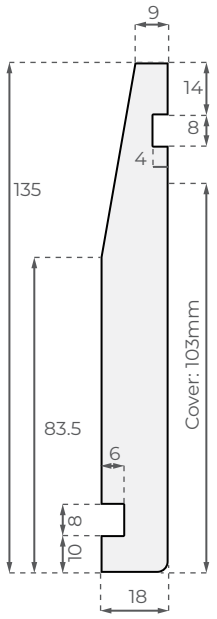
Exclusions:

- Evidence that the product has not been correctly stored, installed or maintained. For example, product wet due to incorrect storage, incorrect fixing of weatherboards, failing to properly seal cut ends or punch nails, not applying paint in a timely manner etc.
- Extreme climate areas where regular maintenance has not been carried out such as coastal zones which may require regular washing, or high UV zones which may require more frequent re-painting
- Inappropriate product use that is not consistent with best practise. For example, H3.1 treated product placed in contact with the ground
- Product impacted by natural disasters
- Damage after purchase or delivery
- Fair wear and tear with regard to product's age and conditions of use

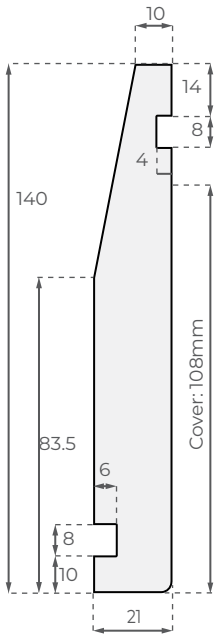
PROFILES

All SPP Bevelback weatherboard profiles have been machined to be compliant with NZS 3617 and BRANZ BU411.

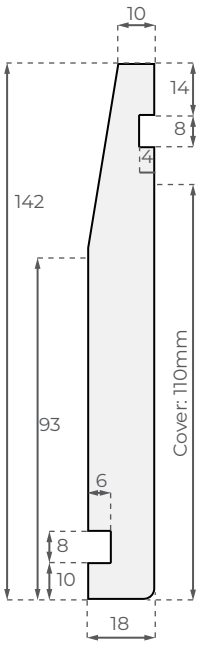
Scale 1:2 at A4



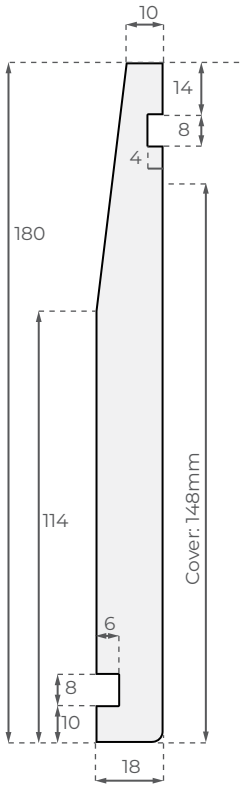
Bevelback 135x18
Dressed Face



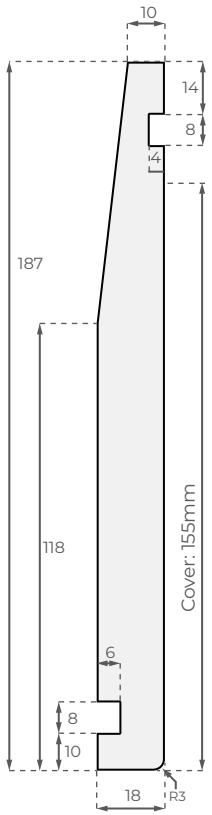
Bevelback 140x21
Dressed Face



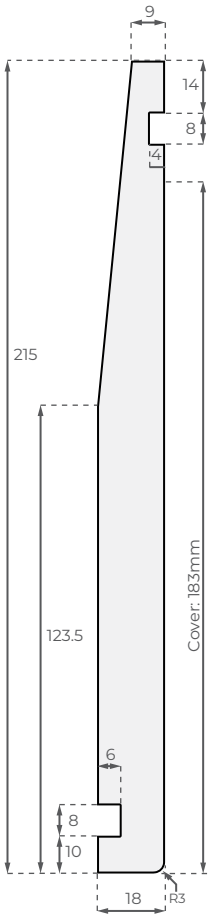
Bevelback 142x18
Dressed Face



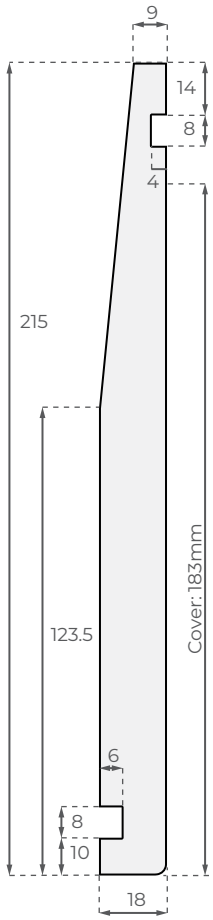
Bevelback 180x18
Dressed Face



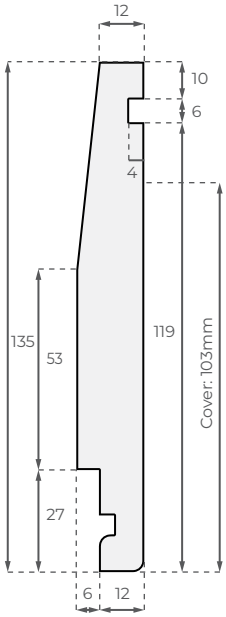
Bevelback 187x18
Dressed Face



Bevelback 215x18
Dressed Face



Bevelback 240x18
Dressed Face



Rebated
Bevelback 135x18
Dressed Face

Weatherboard Conversion Chart

Dressed Face

Profile	Nominal/ Ex Size (mm)	Finished Size (mm)	Effective Cover (mm)	L/M per m^2
Bevelback	150 x 25	135 x 18*	103	9.70
	150 x 25	140 x 21	108	9.25
	150 x 25	142 x 18*	110	9.09
	200 x 25	180 x 18*	148	6.75
	200 x 25	187 x 18*	155	6.45
	225 x 25	215 x 18	183	5.47
	250 x 25	240 x 18	208	4.80
Rebated Bevelback	150 x 25	135 x 18	110	9.09
Auckland	250 x 25	240 x 18	208	4.80

*When installing with a cavity increase the nail length to suit.

KEEP WEATHERBOARDS & FASCIA
FLAT, DRY AND PROTECTED

- PROTECT
- PREPARE
- INSTALL
- PAINT

Protect, prepare, install & paint weatherboards as per the Instructions sticker on every length

BUILDING CODE

The SPP Bevelback Weatherboard System, if designed and installed as per this literature, will meet the following provisions of the New Zealand Building Code (NZBC):

- Clause B1 Structure: Performance B1.3.1, B1.3.2, B1.3.4 (a), (b), (c), (d) and (e) for the relevant physical conditions of B1.3.3 (a), (e), (f), (h), (j), and (q)
- Clause B2 Durability: Performance B2.3.1(b) and B2.3.2(b)
- Clause E2 External Moisture: Performance E2.3.2, E2.3.3, E2.3.5, E2.3.7(b) and (c)
- Clause F2 Hazardous Building Materials: Performance F2.3.1

SCOPE & LIMITATIONS OF USE

The SPP Bevelback Weatherboard System must be installed by a suitably qualified and experienced trade person. Where Restricted Building Work (RBW) applies, the installer shall be a Licensed Building Practitioner (LBP) or supervised by an LBP. It is the specifier's responsibility to ensure that the details in this specification are appropriate for the intended application and that additional detailing is obtained for a specific design or any areas that fall outside the scope of the SPP E2/AS1 Acceptable solution.

HEALTH & SAFETY

This product should be handled in accordance with safe work practices.

As with all wood and timber products, exposure to dust from this product may cause irritation to the eyes, respiratory system and skin via inhalation or skin contact.

Work areas should be kept clean. Sawing, sanding, and routing equipment should be fitted with dust extractors so that dust levels are kept within standards laid down by WorkSafe New Zealand. Wearing a dust mask conforming to AS/NZS 1715 and AS/NZS 1716 and eye protection conforming to AS/NZS 1337 is highly recommended. Repeated inhalation of wood dust over many years may increase the risk of cancer.

When handling SPP products or using tools use appropriate PPE including, but not limited to, eye, ear and breathing protection for yourself and others who could be affected. Offcuts and sawdust of treated and/or coated timber are to be disposed of in accordance with local council requirements. Follow other manufacturer's advice on the use, handling and disposal of other products such as coatings and adhesives.

TYPICAL FIXING DETAIL

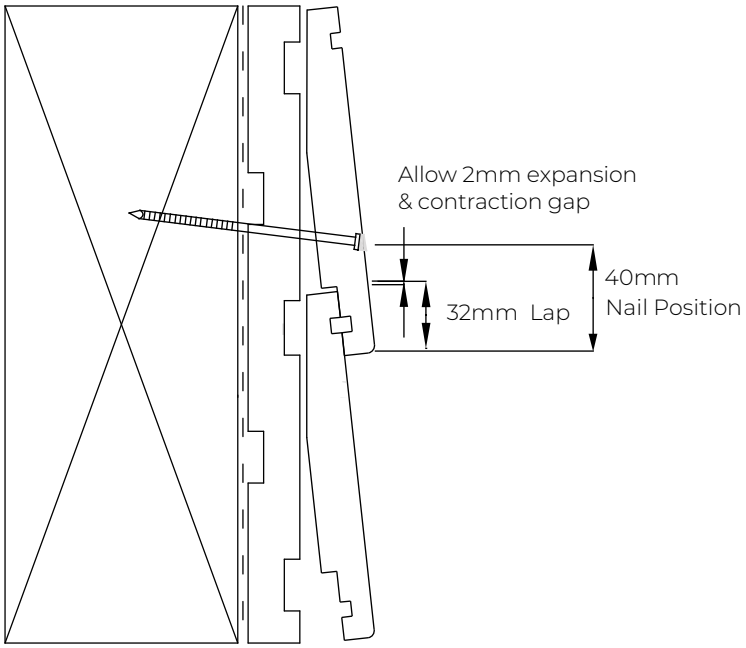
Dressed Face

Bevelback Weatherboard

Weatherboards to be single fixed, 40mm from bottom edge with a minimum 30mm penetration into framing. Punch/ drive screw or nail 3-4mm below surface of weatherboard. Immediately seal, fill and prime to prevent moisture ingress. As per E2/AS1 Table 24.

Jolt Head Nail (Hand Driven)
- 75x3.15 for direct fix
- 90x3.15 for cavity fix

ECKO T-REX17 Weatherboard Jolt Screw
(or equivalent jolt head screw)
- 8G x 75 on direct fix
- 8G x 90 on cavity fix



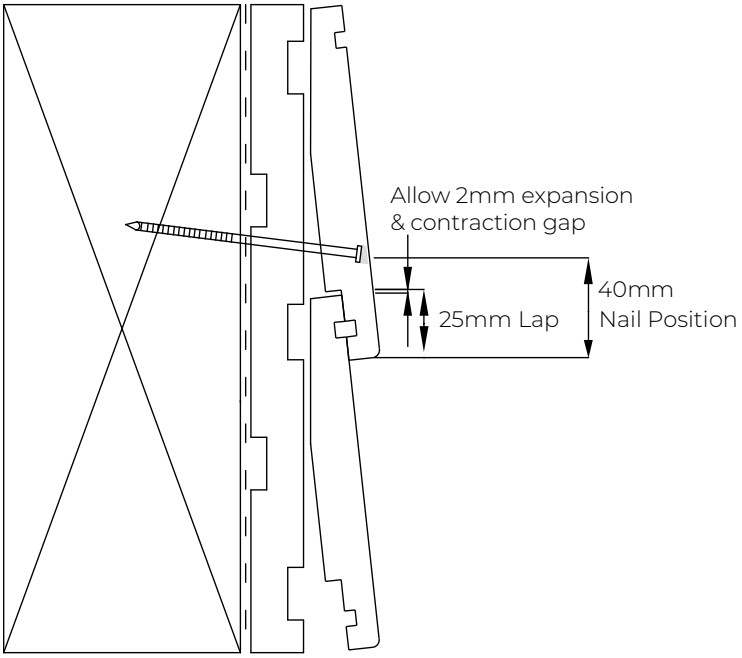
Rebated Bevelback Weatherboard

As above.

Jolt Head Nail (Hand Driven)
75x3.15 for direct fix
90x3.15 for cavity fix

ECKO T-REX17 Weatherboard Jolt Screw
(or equivalent jolt head screw)

8G x 75 on direct fix
8G x 90 on cavity fix



NOTE: Impact driven fixing may be used, providing that a Jolthead equivalent nail is used such as ECKO HAMMAHAND® or Paslode JoltFast. No D-Head framing nails are acceptable.

SPP MANAHAU is a range of H3.1 treated, solid or finger jointed timber products which are supplied in either pre-primed and un-primed states. Timber products treated to H3.1 may be used in external applications and in accordance with NZ 3602:2003 sections 110 and 111.

Pre-primed MANAHAU weatherboard have factory applied alkyd oil-based primer. To ensure the best protection ensure that at least one additional alkyd primer/undercoat is applied on site followed by at least two quality acrylic finishing coatings to complete weather proofing.

1. GRADE AND FINISH

- SPP MANAHAU weatherboards are available in Premium Clear 2 and better, or finger jointed.
- Profiles are available in a dressed finish.

2. HANDLING

SPP weatherboards and other products should be unloaded by hand, or with a Hiab forklift. Do not tip these products from a truck. Avoid scratching the face of the board, and always carry individual boards with their long sections upright to avoid excessive bending.

3. STORAGE

SPP weatherboards must remain dry at all times prior to installation. Product should be stored indoors on a flat surface, with gluts at 1m centres and at least 150mm off the ground.

Avoid direct sunlight and protect from both rain and ground moisture uptake. If storing outside use a secondary waterproof cover and groundsheet whilst allowing for good air circulation.

4. ACCLIMATISATION

At the time of installation, the cladding moisture content must be near the average moisture content which can be expected at site (typically 10% – 16% depending on the location and the time of year). Please allow approximately 3-5 days for the cladding to acclimatise before installation.

5. DIMENSIONAL CHANGE

Timber is hygroscopic (absorbs moisture from the atmosphere) and will take up and release moisture until it reaches the equilibrium moisture content (EMC) with the surrounding environment. During this process, which is ongoing, the timber expands and contracts and thus some dimensional change will occur. This will be minimised by the application of a quality paint system.

6. WEATHERBOARD MOVEMENT

Timber weatherboards are designed to accommodate moisture, thermal and seismic movement in the board laps. DO NOT USE ANY SEALANTS OR GLUES between the boards or board laps, as this may inhibit the natural expansion and contraction of the cladding.

7. PAINT AND COATINGS (PRIOR TO INSTALL)

To avoid laplines which may occur, pre-paint the overlap of the profiles in the same colour as the intended topcoat finish.

Seal all cut ends with two coats of oil-based exterior primer.

8. WEATHERBOARD INSTALLATION

Weatherboard must be installed as per the current building code and BRANZ recommended good building practices.

Single fix all weatherboard profiles. Refer to E2/AS1 Table 24 for limitations. (Please note: This is profile specific refer to SPP technical drawings for nail position.)

Ensure weatherboards, once installed, are at least 150mm from the ground and 100mm from decks and terraces as per the NZ Building Code.

SPP recommend the use of 304/316 Stainless Steel for all MANAHAU cladding to extend life.

NZ Building Code Standard 3602 105.4 states “Preservative treated timber may affect the durability of metal fixings and components... To satisfy the durability provisions of Clause B2 of the NZBC and those acceptable solutions set out in NZS 3604 the correct protective system or grade of stainless steel shall be used.” Further, C105.4 states “Timber treatments may affect the life of fasteners... Hot dipped galvanized nails, wire dogs, bolts and sheet fixings in contact with copper chrome arsenate (CCA) treated timber in damp conditions can have an expected life of less than 15 years.”

Punch nails/screws, putty over and spot prime immediately to avoid moisture penetration.

9. RESIN BLEED

Resin Bleed is when resin comes to the surface of a painted weatherboard. Whilst unsightly, the occurrence of resin bleed does not affect the durability or long-term performance of the weatherboard The choice of a light top colour and a correctly applied quality paint system will help to minimise this occurrence.

SPP makes every effort to source non-resinous lumber and identify resin pockets during the manufacturing process, however we do not warranty against this natural feature.

10. COLOUR CHOICE

Dark colours absorb heat from the sun and may cause excessive movement, distortion and possibly resin bleed. Light colours reflect the suns heat. Therefore, only light colours with a light reflectance value (LRV) of greater than or equal to 45% may be used. Refer paint colour charts for details.

11. FINISHING AND PAINTING

- Painting should take place as soon as possible after installation. If boards have been exposed for longer than 4 weeks, some sanding and re-priming may be required.
- Check the moisture content of the boards before painting. Equilibrium Moisture Content (EMC) should be at 16% or less. Use a correctly calibrated moisture meter to check.
- Once installed, remove all loose material such as dirt from the surface. Spot prime any exposed timber with two coats of oil-based exterior primer. Spot prime the filled nail holes.
- Once prepared, apply a minimum of one coat of oil-based primer/under coat followed by two full coats of 100% premium acrylic low gloss house paint to the manufacturer's specification, at a rate of 12-14m2/L.
- Once applied, the two topcoats should have a combined thickness of no less than 50 microns.
- The onus is on the painter to ensure that the primed surface remains well adhered to the timber substrate and is a suitable base for the subsequent topcoats. This is particularly important where the boards have been exposed for longer than 4 weeks before top coating.
- Refer to the AS/NZ 2311 guide to painting buildings.

It is the responsibility of the homeowner to ensure that annual maintenance is carried out. In some cases, this may be required more regularly e.g. sea spray.

12. MAINTENANCE AND CARE OF PAINTED TIMBER PRODUCTS

Wash all exterior surfaces using a low pressure wash system to remove dust, dirt and other contaminants.

Do not use a high pressure washing system. If the washing does not remove stubborn areas of mould or dirt, use a soft brush or broom and an appropriate cleaning agent to remove these deposits. Check with the paint manufacturer and read the directions on the product to apply the cleaning agent.

Once the building is clean and the surfaces have been inspected for damage, wear and tear and paint coating degrade then repairs must be undertaken immediately.

If the paint surface has been damaged, then:

- Remove all damaged paint, sand back if required
- Apply primer on any bare timber
- Once the primer has dried apply two top coats of a quality top coat paint

Timber weatherboard homes should be repainted every 5-7 years as per paint manufacturer's specifications. Repainting may be required earlier depending on condition and exposure to harsher elements.

ARCHITECTURAL DRAWINGS GENERAL NOTES

This document has been specifically designed to help Architects, Designers and Builders.

A4 SITE DRAWINGS
The details in this section are full scale 1:2 at A4. You can easily read these drawings and are intended for the builder.

ARCHITECTS AND DESIGNERS RESPONSIBILITY
We have made the drawings as accurate as possible. We have specified extra flashing's in some areas that are over and above the NZ Building Code E2/AS1 External Moisture. But it is the Architects/Designers responsibility to confirm the suitability of these details for his particular projects and his client. The Architect/Designer will need to determine the "RISK MATRIX" that is project-specific, which then determines the details required. Builders that have questions about these details, will need to contact their project-specific Architect or Designer.

Legal Information
Southern Pine Products Ltd and its agent AIPdesignNZ Ltd have no reason to believe the information in the details are inaccurate. Southern Pine Products Ltd and its agent AIPdesignNZ Ltd does not warrant the accuracy, adequacy or completeness of such information and we do not undertake the information in the details updated.
Southern Pine Products Ltd and its agent AIPdesignNZ Ltd does not:

a) Give any assurances that the details and information will be suitable for your purposes and you agree that you will not rely on the information and you will make your own independent assessments (with the aid of qualified independent advice).

b) Accept responsibility for any loss, damage (including indirect, special or consequential loss or damage), however caused (including through negligence) that you may directly or indirectly suffer in connection with your use of or reliance on the Southern Pine Products Ltd details, including the accuracy or currency of the Southern Pine Products Ltd and AIPdesign NZ Ltd details. Any condition, warranty right or liability which would otherwise be implied excluded.

Technical Information

a) The AutoCAD drawings have all the Xref,s embedded as blocks.
Erase the title block and Xref in your title block.

b) These drawings have been KEY NOTED
This makes the details more readable, people then focus on the actual important notes on the drawing. This also allows for easer revisions. You only need to change one keynote reference. You will need to personalise these notes to make them specific to your project.

c) The Drawings are coloured and have pen assignments to the colours, a PGP file will be supplied in the Zip file. All the drawing output sheets are default set to print a PDF drawing. It is recommended that you print these detail in PDF then print your paper copies from the PDF file.

d) The AutoCAD drawings are made up of multiple details. The A1/A3 drawings also link into the A4 details drawings. These A4 drawings have special scaled down notes and blocks. (annotative Scale) But it is the exact same information.

e) These drawings are Copyrighted to “Southern Pine Products Limited” (All Rights Asserted) and their Approved Clients. The Drawings have two methods of electronic protection. You will receive your own personal password to open the drawings.

Disclaimer

This information is supplied in good faith, and we recommend the installer and painters familiarise themselves with all relevant building and painting codes. Builders using weatherboards should purchase the BRANZ Good Practice Guide for Timber Cladding, a comprehensive detailing and installation guide.

Southern Pine Products will not be liable for any losses incurred resulting from the failure to adhere to good building and painting practices. Although every effort has been made to ensure the information in this data sheet compiles with existing building standards and recognised codes of practice, no responsibility is accepted for any errors and omissions nor for any specifications or work based on this information.

ARCHITECTURAL DETAILS - INDEX

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17	SPP CF20 BB13	WINDOW FLASHING DETAILS
18	SPP CF20 BB20	DOOR HEAD DETAIL
19	SPP CF20 BB21	DOOR SILL DETAIL
20	SPP CF20 BB22	DOOR JAMB DETAIL
21	SPP CF20 BB23	DOOR FLASHING DETAILS
22	SPP CF20 BB30	METER BOX HEAD DETAIL
23	SPP CF20 BB31	METER BOX SILL DETAIL
24	SPP CF20 BB32	METER BOX JAMB DETAIL
25	SPP CF20 BB33	METER BOX FLASHING DETAILS
26	SPP CF20 BB40	EXTERNAL CORNER
27	SPP CF20 BB41	3D EXTERNAL CORNER
28	SPP CF20 BB42	INTERNAL CORNER
29	SPP CF20 BB43	3D INTERNAL CORNER
30	SPP CF20 BB44	WEATHERBOARD FIXING
31	SPP CF20 BB45	SCARF JOIN
32	SPP CF20 BB50	EXTERNAL CORNER
33	SPP CF20 BB51	3D EXTERNAL CORNER
34	SPP CF20 BB52	INTERNAL CORNER
35	SPP CF20 BB53	3D INTERNAL CORNER
36	SPP CF20 BB54	PIPE PENETRATION
37	SPP CF20 BB55	3D PIPE PENETRATION

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39	SPP CF20 BB61	BASE OF WALL - CONCRETE
40	SPP CF20 BB62	SOFFIT DETAIL AT WALL
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43	SPP CF20 BB65	TYPICAL PARAPET CAPPING JOINT DETAILS
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45	SPP CF20 BB71	DECK TO ROOF MEMBRANE - SADDLE FLASHING - STAGE ONE
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50	SPP CF20 BB76	WALL TO DECK MEMBRANE ROOFING - GENERAL DETAILS 04
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52	SPP CF20 BB91	CANTILEVER FLOOR - BRICK TO WEATHERBOARD
53	SPP CF20 BB92	IN-LINE JUNCTION - WEATHERBOARD TO BRICK
54	SPP CF20 BB93	INTERNAL CORNER - WEATHERBOARD TO BRICK
55	SPP CF20 BB94	EXTERIOR JUNCTION - WEATHERBOARD TO BRICK
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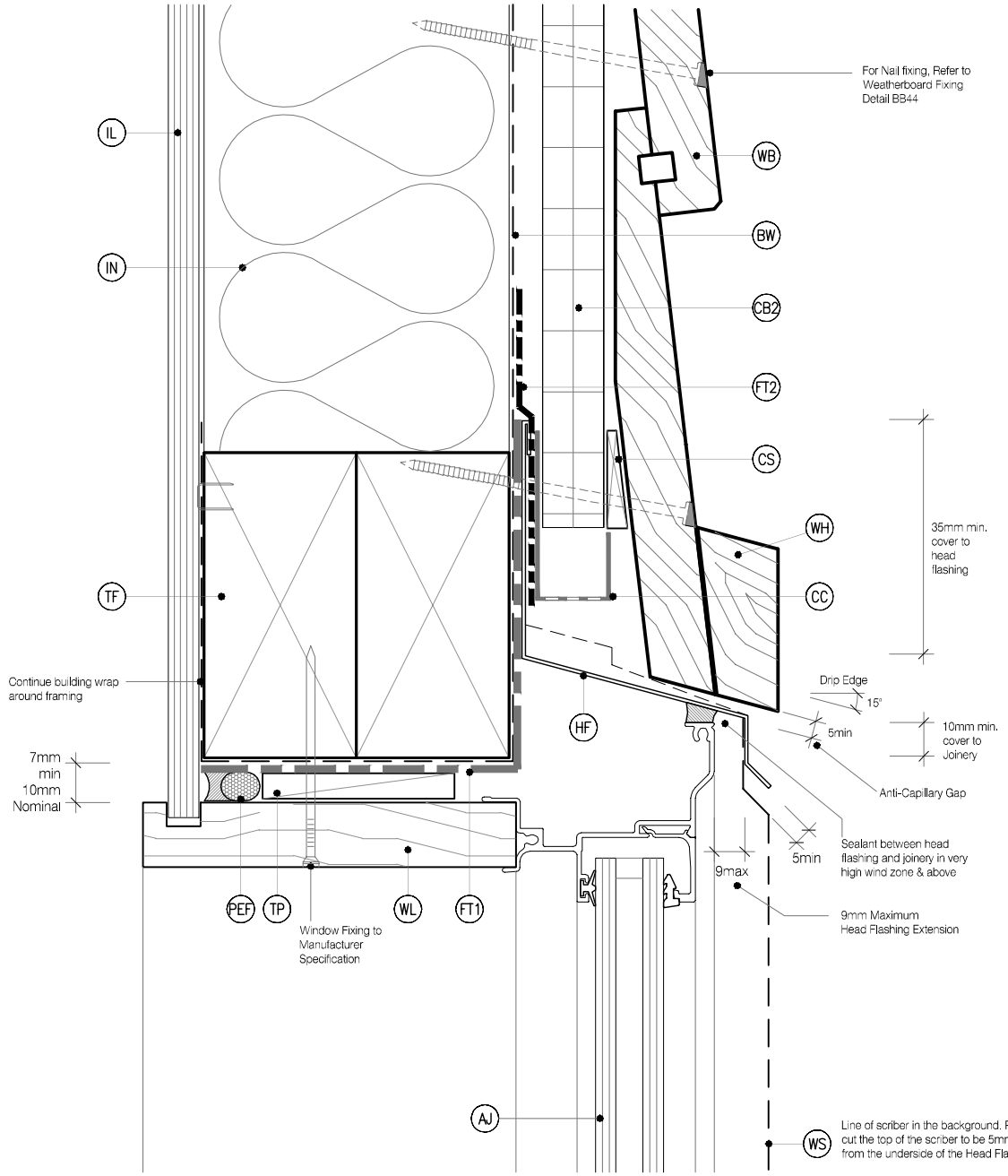
62	SPP CF20 BB105	FLASHINGS - PLASTER PANEL TO WEATHERBOARD

WINDOW HEAD DETAIL

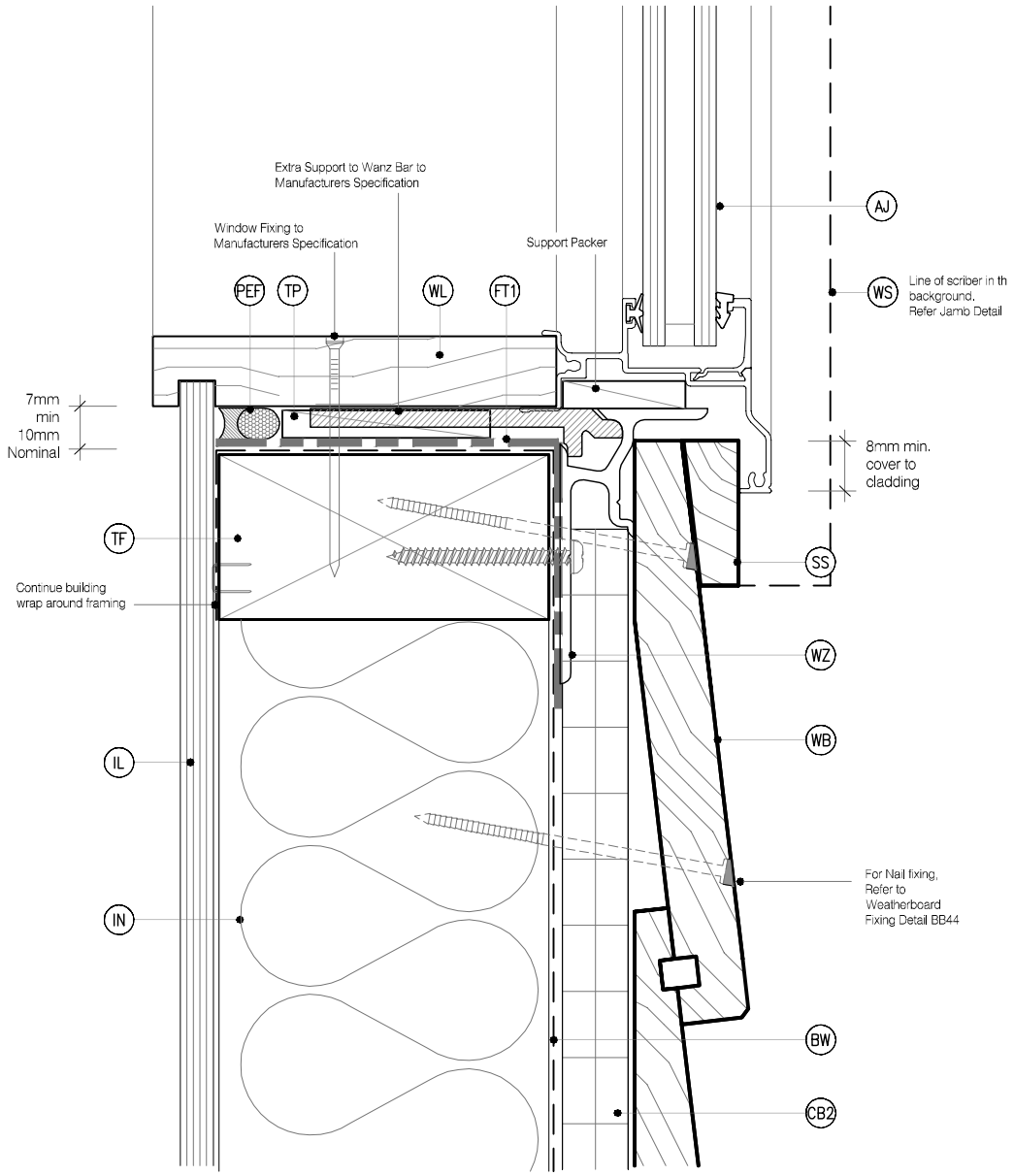


LEGEND:

- AJ — ALUMINIUM JOINERY: Selected double glazed aluminium joinery. To E2/AS1 9.1.10
- BW — BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23, In extra high wind zones, Ridgid Underlay required (9.1.7.2 E2/AS1)
- CB2 — CAVITY BATTEN, VERTICAL: 20mm x 45mm H3.1. To form a 20mm cavity.
- CB3 — CAVITY BATTEN, VERTICAL - STRUCTURALLY FIXED : 45mm x 45mm SPP Radiata Pine, H3.2 70mm x 45mm SPP Radiata Pine, H3.2 To form a 45mm cavity
- CS — CANT STRIP: Southern Pine H3.1 Cant Strip 25mm x 9 mm
- SS — SILL SCRIBER: Southern Pine H3.2, Horizontal batten under window as necessary to suit profile, sealant to back of sill scriber
- CC — CAVITY CLOSURE: Cavity closure strip, positioned to give a 15mm Min drip edge to cladding
- FT1 — FLASHING TAPE: Flashing tape over wrap 70mm (50 min) turn-down required in corners only. Refer to Fig. 72 of NZBC E2/AS1
- FT2 — FLEXIBLE FLASHING TAPE: Flexible flashing tape lapped over aluminium head flashing or 2nd layer of Building Wrap, taped joint to top of timber frame
- HF — HEAD FLASHING: Aluminium head flashing with minimum 15 degree fall, optional hemmed edges as per table 7 E2/AS1
- IL — INTERNAL LINING: Selected Internal Lining
- PEF — PEF ROD BACKING: Foam backing rod with sealant to cavity in Window perimeter that forms a waterproof air-seal. (Sealant 2:1 Ratio)
- TP — TIMBER PACKER: Tan H3.2 Treated Packer
- TF — TIMBER FRAME: H1.2 min treated timber framing
- WB — WEATHER BOARD: Southern Pine Bevel Back Weatherboard. Profile to NZS 3617
- IN — INSULATION: Selected Insulation
- WH — WEATHERHEAD: (OPTIONAL) Southern Pine H3.2, Horizontal batten above window as necessary to suit profile, shaped to shed water, sealant to back of head scriber
- WL — WINDOW LINER: As Specified
- WS — WINDOW SCRIBER: Southern Pine H3.1, profile cut to fit weatherboard, sealant to back of scriber and 75 x 3.15mm 316 Stainless Steel nail in 3mm predrilled hole. 40x18 or 60x18 depending on weatherboard size
- WZ — WANZ SUPPORT: Provide window support as required by joinery manufacturer

NOTE : Where 75x3.15 jolt head nails are referenced, these may be substituted for 75mm jolt head weatherboard screws

WINDOW SILL DETAIL



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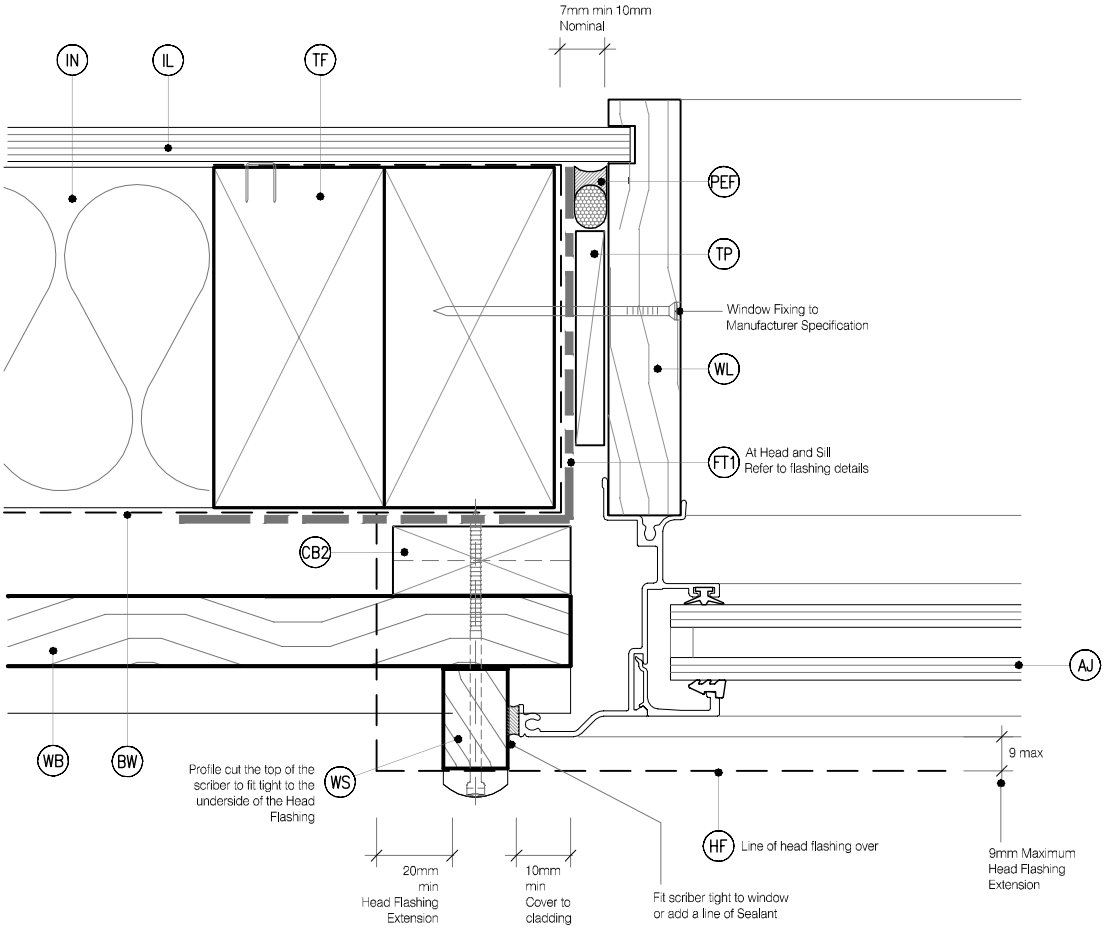
- CB2 — CAVITY BATTEN, VERTICAL: 20mm x 45mm H3.1. To form a 20mm cavity.
- CB3 — CAVITY BATTEN, VERTICAL - STRUCTURALLY FIXED : 45mm x 45mm SPP Radiata Pine, H3.2 70mm x 45mm SPP Radiata Pine, H3.2 To form a 45mm cavity
- CS — CANT STRIP: Southern Pine H3.1 Cant Strip 25mm x 9 mm
- SS — SILL SCRIBER: Southern Pine H3.2, Horizontal batten under window as necessary to suit profile, sealant to back of sill scriber
- CC — CAVITY CLOSURE: Cavity closure strip, positioned to give a 15mm Min drip edge to cladding
- FT1 — FLASHING TAPE: Flashing tape over wrap 70mm (50 min) turn-down required in corners only. Refer to Fig. 72 of NZBC E2/AS1
- FT2 — FLEXIBLE FLASHING TAPE: Flexible flashing tape lapped over aluminium head flashing or 2nd layer of Building Wrap, taped joint to top of timber frame
- HF — HEAD FLASHING: Aluminium head flashing with minimum 15 degree fall, optional hemmed edges as per table 7 E2/AS1
- IL — INTERNAL LINING: Selected Internal Lining
- PEF — PEF ROD BACKING: Foam backing rod with sealant to cavity in Window perimeter that forms a waterproof air-seal. (Sealant 2:1 Ratio)
- TP — TIMBER PACKER: Tan H3.2 Treated Packer
- TF — TIMBER FRAME: H1.2 min treated timber framing
- WB — WEATHER BOARD: Southern Pine Bevel Back Weatherboard. Profile to NZS 3617
- IN — INSULATION: Selected Insulation
- WH — WEATHERHEAD: (OPTIONAL) Southern Pine H3.2, Horizontal batten above window as necessary to suit profile, shaped to shed water, sealant to back of head scriber
- WL — WINDOW LINER: As Specified
- WS — WINDOW SCRIBER: Southern Pine H3.1, profile cut to fit weatherboard, sealant to back of scriber and 75 x 3.15mm 316 Stainless Steel nail in 3mm predrilled hole. 40x18 or 60x18 depending on weatherboard size
- WZ — WANZ SUPPORT: Provide window support as required by joinery manufacturer

NOTE : Where 75x3.15 jolt head nails are referenced, these may be substituted for 75mm jolt head weatherboard screws

WINDOW JAMB DETAIL

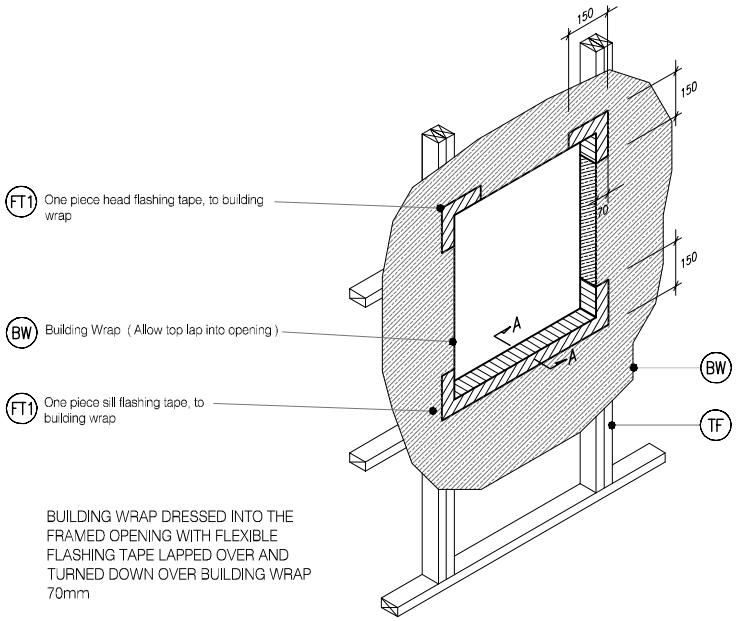


LEGEND:

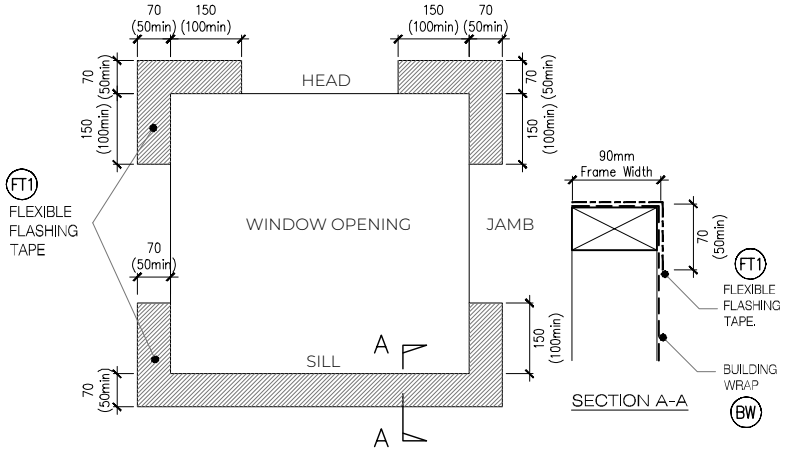
- (AJ) ALUMINIUM JOINERY: Selected double glazed aluminium joinery. To E2/AS1 9.1.10
- (BW) BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23, In extra high wind zones, Ridgid Underlay required (9.1.7.2 E2/AS1)
- (CB2) CAVITY BATTEN, VERTICAL: 20mm x 45mm H3.1. To form a 20mm cavity.
- (CB3) CAVITY BATTEN, VERTICAL - STRUCTURALLY FIXED : 45mm x 45mm SPP Radiata Pine, H3.2
70mm x 45mm SPP Radiata Pine, H3.2
To form a 45mm cavity
- (CS) CANT STRIP: Southern Pine H3.1
Cant Strip 25mm x 9 mm
- (SS) SILL SCRIBER: Southern Pine H3.2, Horizontal batten under window as necessary to suit profile, sealant to back of sill scriber
- (CC) CAVITY CLOSURE: Cavity closure strip, positioned to give a 15mm Min drip edge to cladding
- (FT1) FLASHING TAPE: Flashing tape over wrap 70mm (50 min) turn-down required in corners only. Refer to Fig. 72 of NZBC E2/AS1
- (FT2) FLEXIBLE FLASHING TAPE: Flexible flashing tape lapped over aluminium head flashing or 2nd layer of Building Wrap, taped joint to top of timber frame
- (HF) HEAD FLASHING: Aluminium head flashing with minimum 15 degree fall, optional hemmed edges as per table 7 E2/AS1
- (IL) INTERNAL LINING: Selected Internal Lining
- (PEF) PEF ROD BACKING: Foam backing rod with sealant to cavity in Window perimeter that forms a waterproof air-seal. (Sealant 2:1 Ratio)
- (TP) TIMBER PACKER: Tan H3.2 Treated Packer
- (TF) TIMBER FRAME: H1.2 min treated timber framing
- (WB) WEATHER BOARD: Southern Pine Bevel Back Weatherboard. Profile to NZS 3617
- (IN) INSULATION: Selected Insulation
- (WH) WEATHERHEAD: (OPTIONAL) Southern Pine H3.2, Horizontal batten above window as necessary to suit profile, shaped to shed water, sealant to back of head scriber
- (WL) WINDOW LINER: As Specified
- (WS) WINDOW SCRIBER: Southern Pine H3.1, profile cut to fit weatherboard, sealant to back of scriber and 75 x 3.15mm 316 Stainless Steel nail in 3mm predrilled hole. 40x18 or 60x18 depending on weatherboard size
- (WZ) WANZ SUPPORT: Provide window support as required by joinery manufacturer

NOTE : Where 75x3.15 jolt head nails are referenced, these may be substituted for 75mm jolt head weatherboard screws

WINDOW FLASHING DETAILS

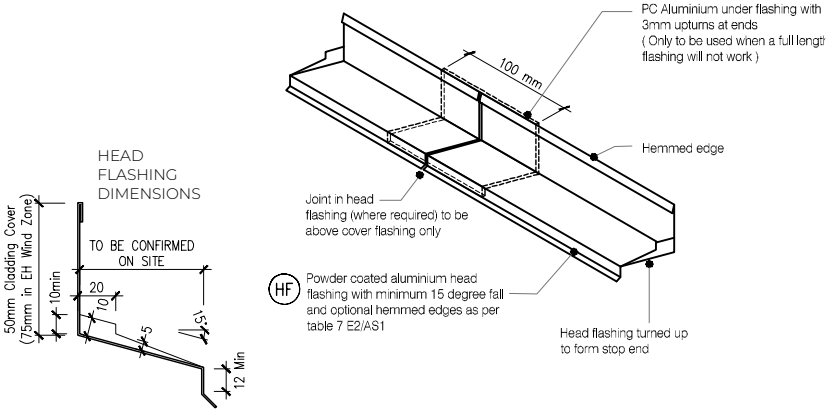


W4 BB13 TYPICAL WINDOW OPENING (FLASHING TAPE)
SCALE : N.T.S



1. DENDRO® is Southern Pine's premium product range of H3.2 treated, solid, clear weatherboards. Manufactured from, high quality, pruned NZ Radiata Pine. Product warranty, 25 years if used in accordance with the Installation & Maintenance Guide.
2. All Southern Pine Weatherboard profiles have been machined to be complaint with NZS 3617 and BRANZ BU411
3. The Southern Pine Weatherboard System, if designed and installed as per the Installation & Maintenance Guide, will meet the following provisions of the New Zealand Building Code (NZBC):
   - Clause B1 Structure: Performance B1.3.1, B1.3.2, B1.3.4 (a), (b), (c), (d) and (e) for the
   - Clause B2 Durability: Performance B2.3.1(b) and B2.3.2(b)
   - Clause E2 External Moisture: Performance E2.3.2, E2.3.3, E2.3.5, E2.3.7(b) and (c)
   - Clause F2 Hazardous Building Materials: Performance F2.3.1
4. This Weatherboard System must be installed by a qualified trade person. Restricted Building Work (RBW) requires a Licensed Building Practitioner (LBP) or supervised by an LBP. It is the specifies responsibility to ensure that the details are appropriate for the intended application and that additional detailing is obtained for a specific design or any areas that fall outside the scope of the Southern Pine Products & E2/AS1 Acceptable solution.

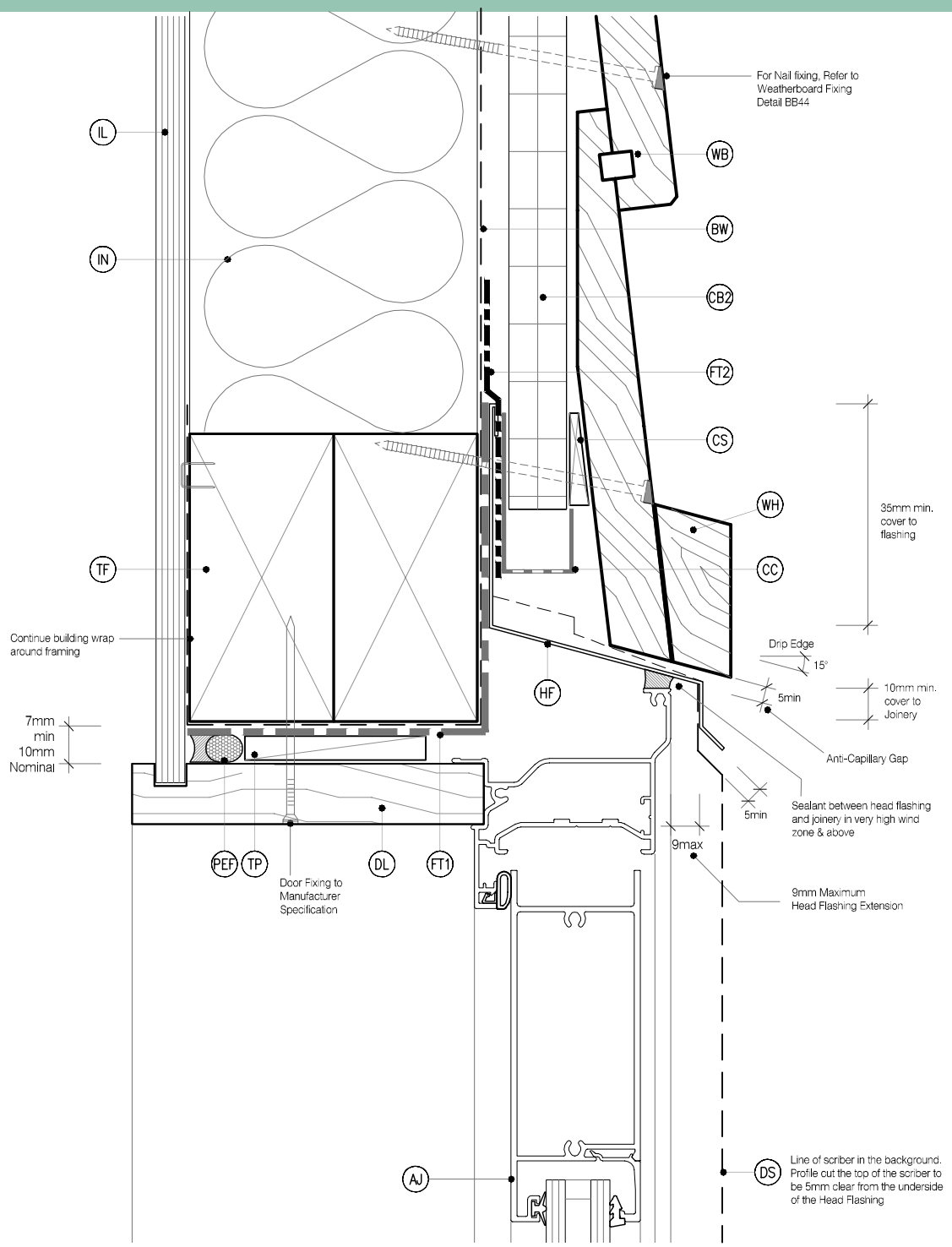
W5 BB13 FLEXIBLE BUILDING WRAP AT OPENING
SCALE : 1 / 5 @ A1, 1 / 10 @ A3



ONE PIECE PC ALUMINIUM HEAD FLASHING 15° SLOPE WITH 10mm min COVER
TO JOINERY EXTEND 30mm min EITHER SIDE OF JOINERY WITH STOP ENDS

W6 BB13 TYPICAL HEAD & FLASHING JOINT
SCALE : 1 / 2 @ A1, 1 / 4 @ A3

DOOR HEAD DETAIL

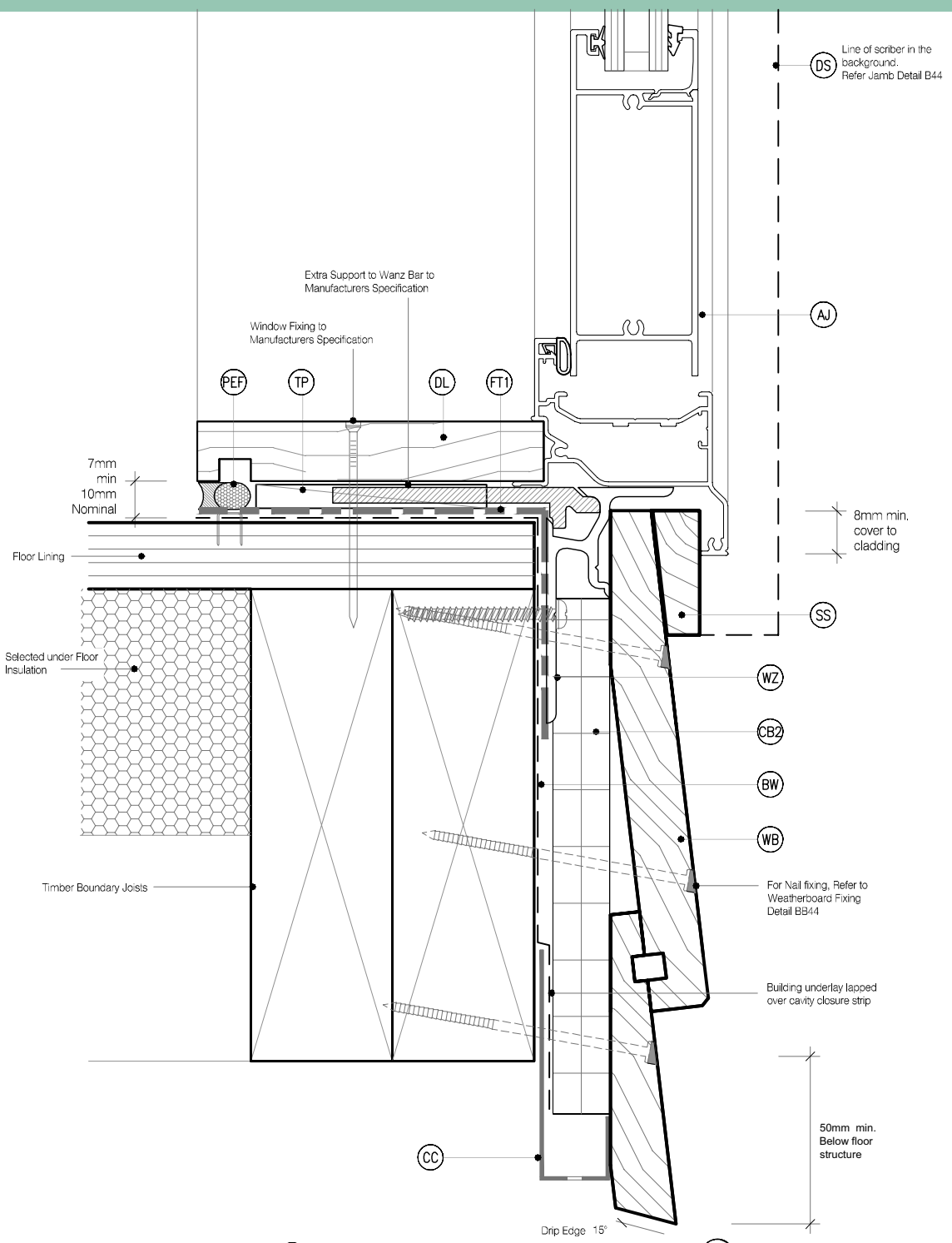


LEGEND:

- AJ — ALUMINIUM JOINERY: Selected double glazed aluminium joinery. To E2/AS1 9.1.10
- BW — BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23, In extra high wind zones, Ridgid Underlay required (9.1.7.2 E2/AS1)
- CB2 — CAVITY BATTEN, VERTICAL: 20mm x 45mm H3.1. To form a 20mm cavity.
- CB3 — CAVITY BATTEN, VERTICAL - STRUCTURALLY FIXED : 45mm x 45mm SPP Radiata Pine, H3.2
70mm x 45mm SPP Radiata Pine, H3.2
To form a 45mm cavity
- CS — CANT STRIP: Southern Pine H3.1
Cant Strip 25mm x 9 mm
- SS — SILL SCRIBER: Southern Pine H3.2, Horizontal batten under window as necessary to suit profile, sealant to back of sill scriber
- CC — CAVITY CLOSURE: Cavity closure strip, positioned to give a 15mm Min drip edge to cladding
- FT1 — FLASHING TAPE: Flashing tape over wrap 70mm (50 min) turn-down required in corners only. Refer to Fig. 72 of NZBC E2/AS1
- FT2 — FLEXIBLE FLASHING TAPE: Flexible flashing tape lapped over aluminium head flashing or 2nd layer of Building Wrap, taped joint to top of timber frame
- HF — HEAD FLASHING: Aluminium head flashing with minimum 15 degree fall, optional hemmed edges as per table 7 E2/AS1
- IL — INTERNAL LINING: Selected Internal Lining
- PEF — PEF ROD BACKING: Foam backing rod with sealant to cavity in Window perimeter that forms a waterproof air-seal. (Sealant 2:1 Ratio)
- TP — TIMBER PACKER: Tan H3.2 Treated Packer
- TF — TIMBER FRAME: H1.2 min treated timber framing
- WB — WEATHER BOARD: Southern Pine Bevel Back Weatherboard. Profile to NZS 3617
- IN — INSULATION: Selected Insulation
- WH — WEATHERHEAD: (OPTIONAL) Southern Pine H3.2, Horizontal batten above window as necessary to suit profile, shaped to shed water, sealant to back of head scriber
- WL — WINDOW LINER: As Specified
- WS — WINDOW SCRIBER: Southern Pine H3.1, profile cut to fit weatherboard, sealant to back of scriber and 75 x 3.15mm 316 Stainless Steel nail in 3mm predrilled hole. 40x18 or 60x18 depending on weatherboard size
- WZ — WANZ SUPPORT: Provide window support as required by joinery manufacturer

NOTE : Where 75x3.15 jolt head nails are referenced, these may be substituted for 75mm jolt head weatherboard screws

DOOR SILL DETAIL

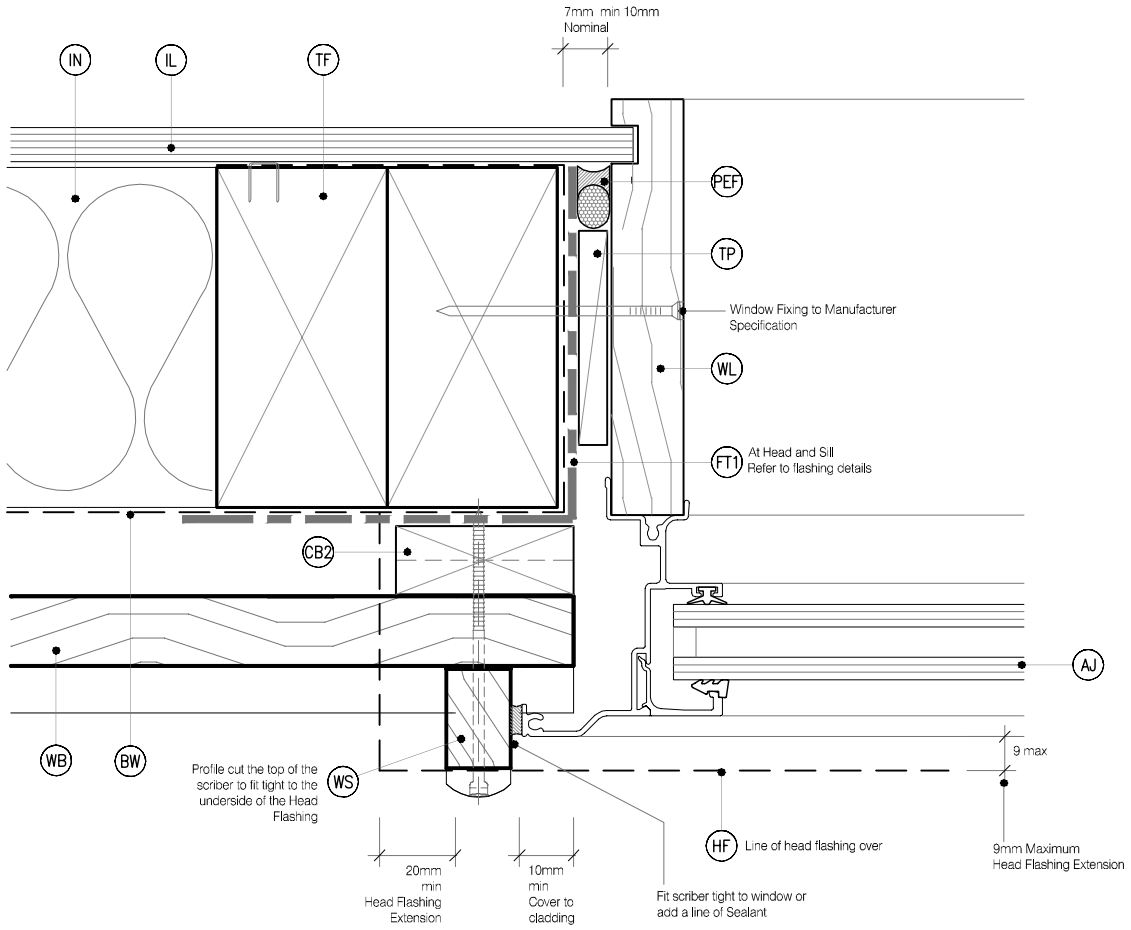


LEGEND:

- (AJ) ALUMINIUM JOINERY: Selected double glazed aluminium joinery. To E2/AS1 9.1.10
- (BW) BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23, In extra high wind zones, Ridgid Underlay required (9.1.7.2 E2/AS1)
- (CB2) CAVITY BATTEN, VERTICAL: 20mm x 45mm H3.1. To form a 20mm cavity.
- (CB3) CAVITY BATTEN, VERTICAL - STRUCTURALLY FIXED : 45mm x 45mm SPP Radiata Pine, H3.2 70mm x 45mm SPP Radiata Pine, H3.2 To form a 45mm cavity
- (CS) CANT STRIP: Southern Pine H3.1 Cant Strip 25mm x 9 mm
- (SS) SILL SCRIBER: Southern Pine H3.2, Horizontal batten under window as necessary to suit profile, sealant to back of sill scriber
- (CC) CAVITY CLOSURE: Cavity closure strip, positioned to give a 15mm Min drip edge to cladding
- (FT1) FLASHING TAPE: Flashing tape over wrap 70mm (50 min) turn-down required in corners only. Refer to Fig. 72 of NZBC E2/AS1
- (FT2) FLEXIBLE FLASHING TAPE: Flexible flashing tape lapped over aluminium head flashing or 2nd layer of Building Wrap, taped joint to top of timber frame
- (HF) HEAD FLASHING: Aluminium head flashing with minimum 15 degree fall, optional hemmed edges as per table 7 E2/AS1
- (IL) INTERNAL LINING: Selected Internal Lining
- (PEF) PEF ROD BACKING: Foam backing rod with sealant to cavity in Window perimeter that forms a waterproof air-seal. (Sealant 2:1 Ratio)
- (TP) TIMBER PACKER: Tan H3.2 Treated Packer
- (TF) TIMBER FRAME: H1.2 min treated timber framing
- (WB) WEATHER BOARD: Southern Pine Bevel Back Weatherboard. Profile to NZS 3617
- (IN) INSULATION: Selected Insulation
- (WH) WEATHERHEAD: (OPTIONAL) Southern Pine H3.2, Horizontal batten above window as necessary to suit profile, shaped to shed water, sealant to back of head scriber
- (WL) WINDOW LINER: As Specified
- (WS) WINDOW SCRIBER: Southern Pine H3.1, profile cut to fit weatherboard, sealant to back of scriber and 75 x 3.15mm 316 Stainless Steel nail in 3mm predrilled hole. 40x18 or 60x18 depending on weatherboard size
- (WZ) WANZ SUPPORT: Provide window support as required by joinery manufacturer

NOTE : Where 75x3.15 jolt head nails are referenced, these may be substituted for 75mm jolt head weatherboard screws

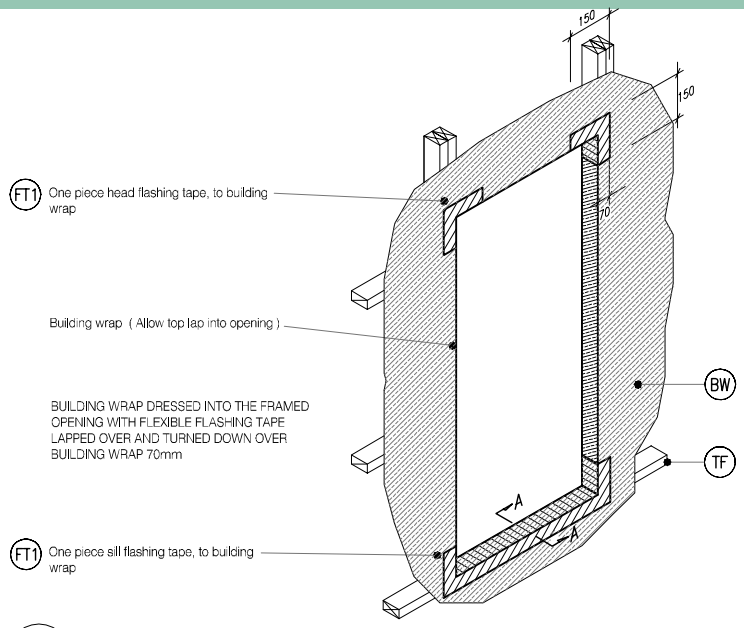
DOOR JAMB DETAIL



LEGEND:

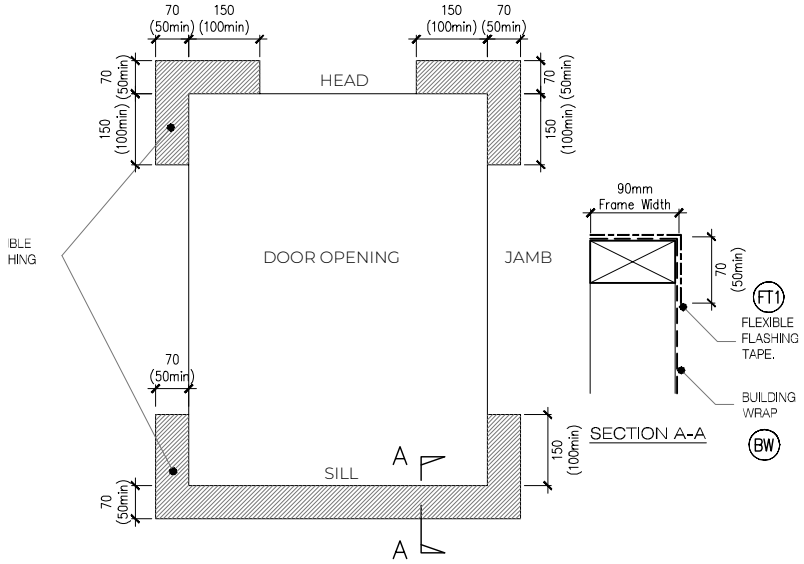
- (AJ) ALUMINIUM JOINERY: Selected double glazed aluminium joinery. To E2/AS1 9.1.10
- (BW) BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23, In extra high wind zones, Ridgid Underlay required (9.1.7.2 E2/AS1)
- (CB2) CAVITY BATTEN, VERTICAL: 20mm x 45mm H3.1. To form a 20mm cavity.
- (CB3) CAVITY BATTEN, VERTICAL - STRUCTURALLY FIXED : 45mm x 45mm SPP Radiata Pine, H3.2 70mm x 45mm SPP Radiata Pine, H3.2 To form a 45mm cavity
- (CS) CANT STRIP: Southern Pine H3.1 Cant Strip 25mm x 9 mm
- (SS) SILL SCRIBER: Southern Pine H3.2, Horizontal batten under window as necessary to suit profile, sealant to back of sill scriber
- (CC) CAVITY CLOSURE: Cavity closure strip, positioned to give a 15mm Min drip edge to cladding
- (FT1) FLASHING TAPE: Flashing tape over wrap 70mm (50 min) turn-down required in corners only. Refer to Fig. 72 of NZBC E2/AS1
- (FT2) FLEXIBLE FLASHING TAPE: Flexible flashing tape lapped over aluminium head flashing or 2nd layer of Building Wrap, taped joint to top of timber frame
- (HF) HEAD FLASHING: Aluminium head flashing with minimum 15 degree fall, optional hemmed edges as per table 7 E2/AS1
- (IL) INTERNAL LINING: Selected Internal Lining
- (PEF) PEF ROD BACKING: Foam backing rod with sealant to cavity in Window perimeter that forms a waterproof air-seal. (Sealant 2:1 Ratio)
- (TP) TIMBER PACKER: Tan H3.2 Treated Packer
- (TF) TIMBER FRAME: H1.2 min treated timber framing
- (WB) WEATHER BOARD: Southern Pine Bevel Back Weatherboard. Profile to NZS 3617
- (IN) INSULATION: Selected Insulation
- (WH) WEATHERHEAD: (OPTIONAL) Southern Pine H3.2, Horizontal batten above window as necessary to suit profile, shaped to shed water, sealant to back of head scriber
- (WL) WINDOW LINER: As Specified
- (WS) WINDOW SCRIBER: Southern Pine H3.1, profile cut to fit weatherboard, sealant to back of scriber and 75 x 3.15mm 316 Stainless Steel nail in 3mm predrilled hole. 40x18 or 60x18 depending on weatherboard size
- (WZ) WANZ SUPPORT: Provide window support as required by joinery manufacturer

NOTE : Where 75x3.15 jolt head nails are referenced, these may be substituted for 75mm jolt head weatherboard screws



D4 BB23 TYPICAL DOOR OPENING (FLASHING TAPE)

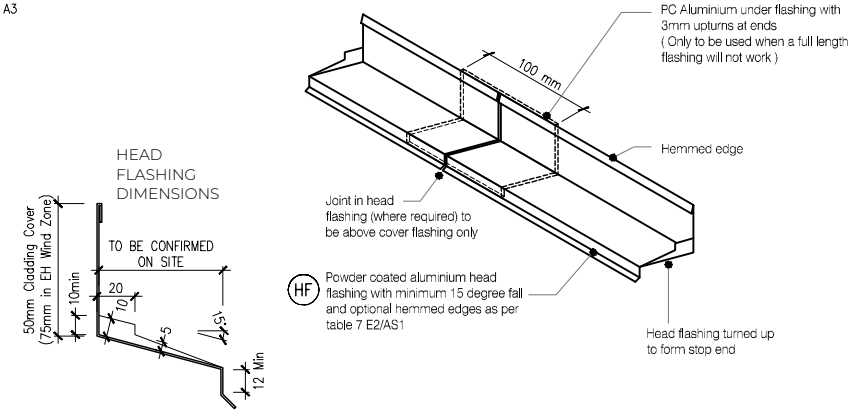
SCALE : N.T.S



1. DENDRO® is Southern Pine's premium product range of H3.2 treated, solid, clear weatherboards. Manufactured from, high quality, pruned NZ Radiata Pine. Product warranty, 25 years if used in accordance with the Installation & Maintenance Guide.
2. All Southern Pine Weatherboard profiles have been machined to be complaint with NZS 3617 and BRANZ BU411
3. The Southern Pine Weatherboard System, if designed and installed as per the Installation & Maintenance Guide, will meet the following provisions of the New Zealand Building Code (NZBC):
   - Clause B1 Structure: Performance B1.3.1, B1.3.2, B1.3.4 (a), (b), (c), (d) and (e) for the
   - Clause B2 Durability: Performance B2.3.1(b) and B2.3.2(b)
   - Clause E2 External Moisture: Performance E2.3.2, E2.3.3, E2.3.5, E2.3.7(b) and (c)
   - Clause F2 Hazardous Building Materials: Performance F2.3.1
4. This Weatherboard System must be installed by a qualified trade person. Restricted Building Work (RBW) requires a Licensed Building Practitioner (LBP) or supervised by an LBP. It is the specifies responsibility to ensure that the details are appropriate for the intended application and that additional detailing is obtained for a specific design or any areas that fall outside the scope of the Southern Pine Products & E2/AS1 Acceptable solution.

D5 BB23 FLEXIBLE BUILDING WRAP AT OPENING

SCALE : 1 / 5 @ A1, 1 / 10 @ A3

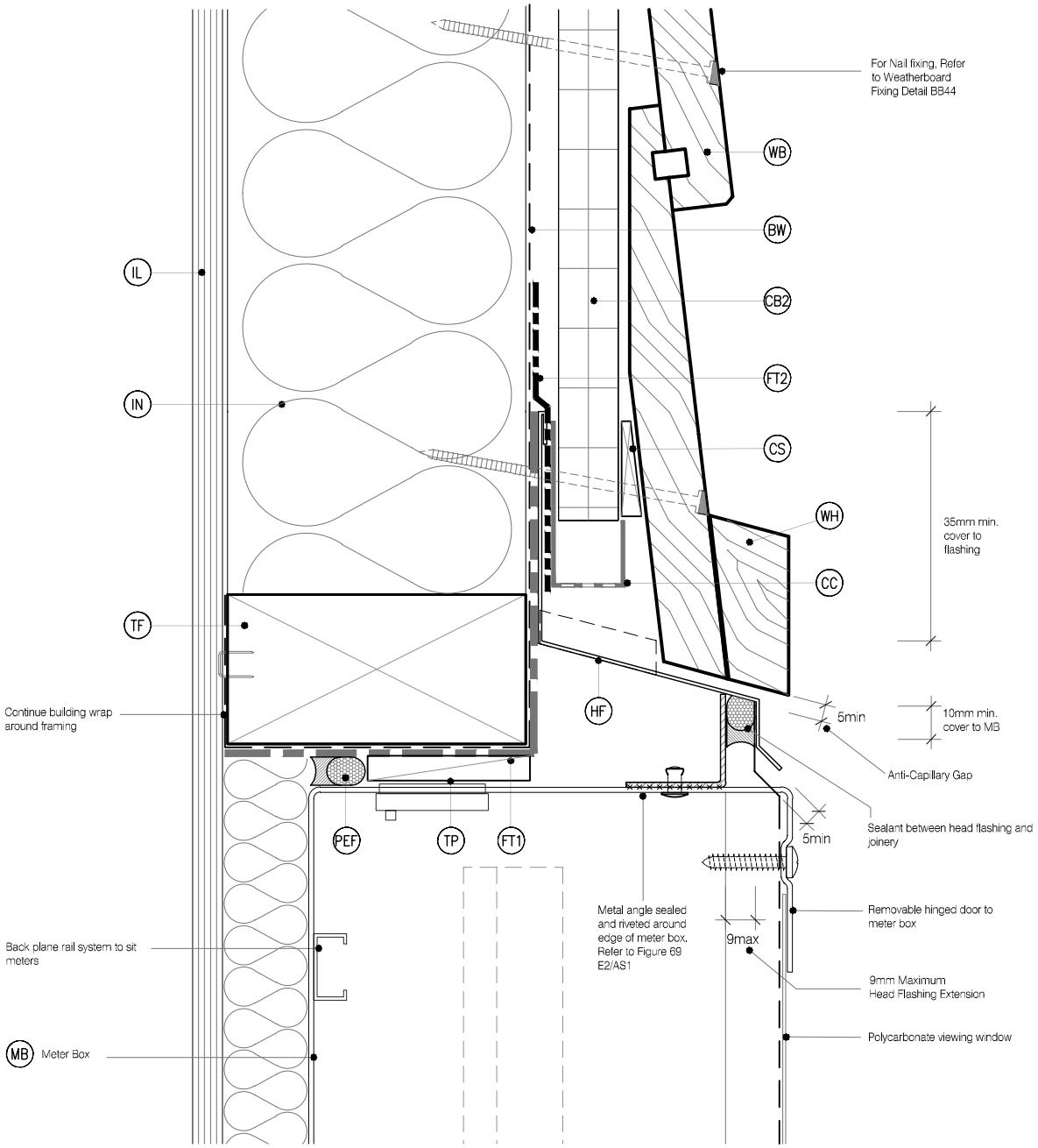


ONE PIECE PC ALUMINIUM HEAD FLASHING 15° SLOPE WITH 10mm min COVER TO JOINERY EXTEND 30mm min EITHER SIDE OF JOINERY WITH STOP ENDS

D6 BB23 TYPICAL HEAD & FLASHING JOINT

SCALE : 1 / 2 @ A1, 1 / 4 @ A3

METER BOX HEAD DETAIL

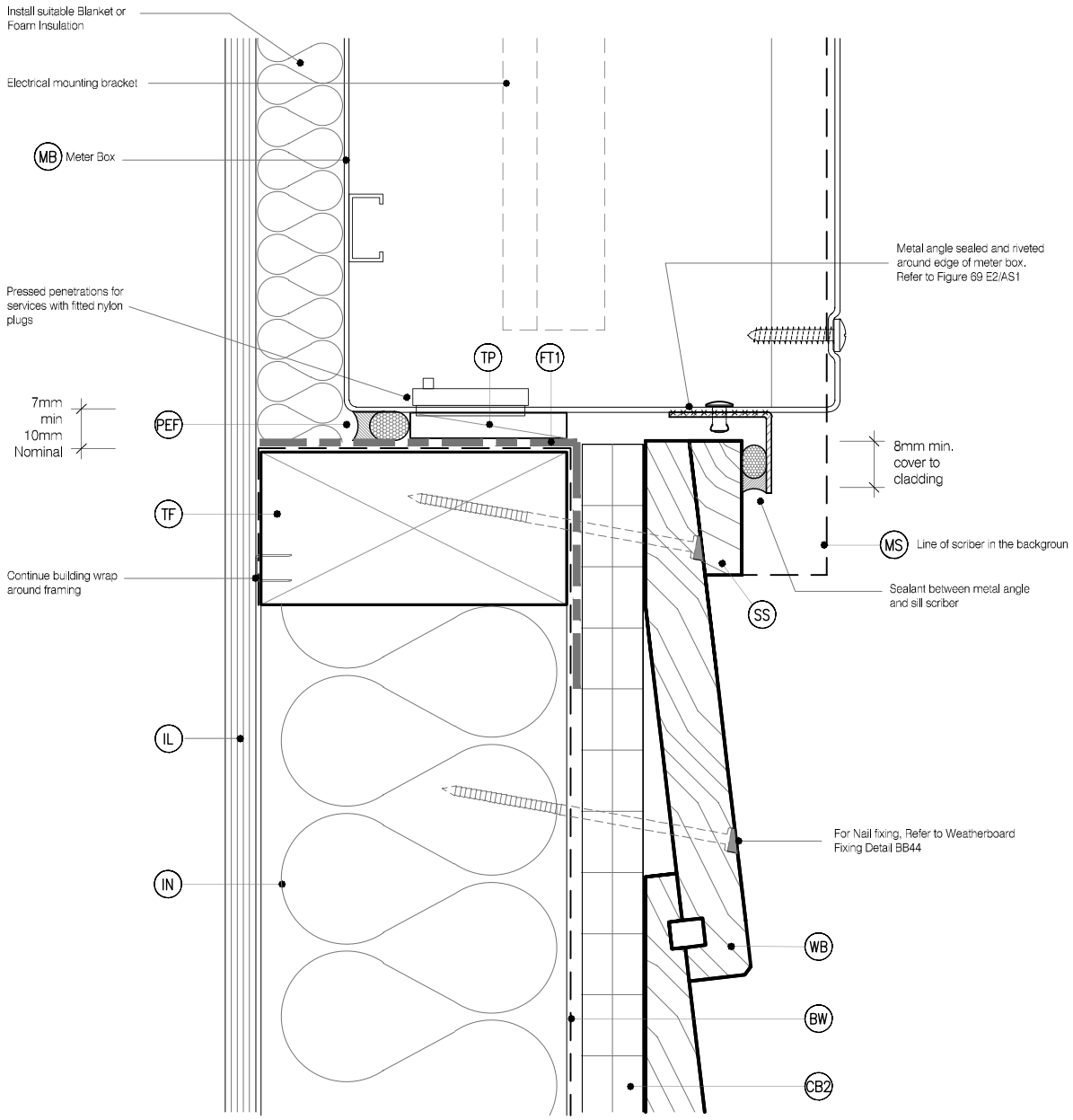


LEGEND:

- (MB) METER BOX: Electrical meter box, with removable hinged door and polycarbonate viewing window
- (BW) BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23, In extra high wind zones, Ridgid Underlay required (9.1.7.2 E2/AS1)
- (CB2) CAVITY BATTEN, VERTICAL: 20mm x 45mm H3.1. To form a 20mm cavity.
- (CB3) CAVITY BATTEN, VERTICAL - STRUCTURALLY FIXED : 45mm x 45mm SPP Radiata Pine, H3.2 70mm x 45mm SPP Radiata Pine, H3.2 To form a 45mm cavity
- (CS) CANT STRIP: Southern Pine H3.1 Cant Strip 25mm x 9 mm
- (SS) SILL SCRIBER: Southern Pine H3.2, Horizontal batten under window as necessary to suit profile, sealant to back of sill scriber
- (CC) CAVITY CLOSURE: Cavity closure strip, positioned to give a 15mm Min drip edge to cladding
- (FT1) FLASHING TAPE: Flashing tape over wrap 70mm (50 min) turn-down required in corners only. Refer to Fig. 72 of NZBC E2/AS1
- (FT2) FLEXIBLE FLASHING TAPE: Flexible flashing tape lapped over aluminium head flashing or 2nd layer of Building Wrap, taped joint to top of timber frame
- (HF) HEAD FLASHING: Aluminium head flashing with minimum 15 degree fall, optional hemmed edges as per table 7 E2/AS1
- (IL) INTERNAL LINING: Selected Internal Lining
- (PEF) PEF ROD BACKING: Foam backing rod with sealant to cavity in Window perimeter that forms a waterproof air-seal. (Sealant 2:1 Ratio)
- (TP) TIMBER PACKER: Tan H3.2 Treated Packer
- (TF) TIMBER FRAME: H1.2 min treated timber framing
- (IN) INSULATION: Selected Insulation
- (WB) WEATHER BOARD: Southern Pine Bevel Back Weatherboard. Profile to NZS 3617
- (WL) WINDOW LINER: As Specified
- (WH) WEATHERHEAD: (OPTIONAL) Southern Pine, Horizontal batten above meter box as necessary to suit profile, shaped to shed water, sealant to back of head scriber
- (MS) METER BOX SCRIBER: Southern Pine H3.1, profile cut to fit weatherboard, sealant to back of scriber and 75 x 3.15mm 316 Stainless Steel nail in 3mm predrilled hole. 40x18 or 60x18 depending on weatherboard size

NOTE : Where 75x3.15 jolt head nails are referenced, these may be substituted for 75mm jolt head weatherboard screws

METER BOX SILL DETAIL

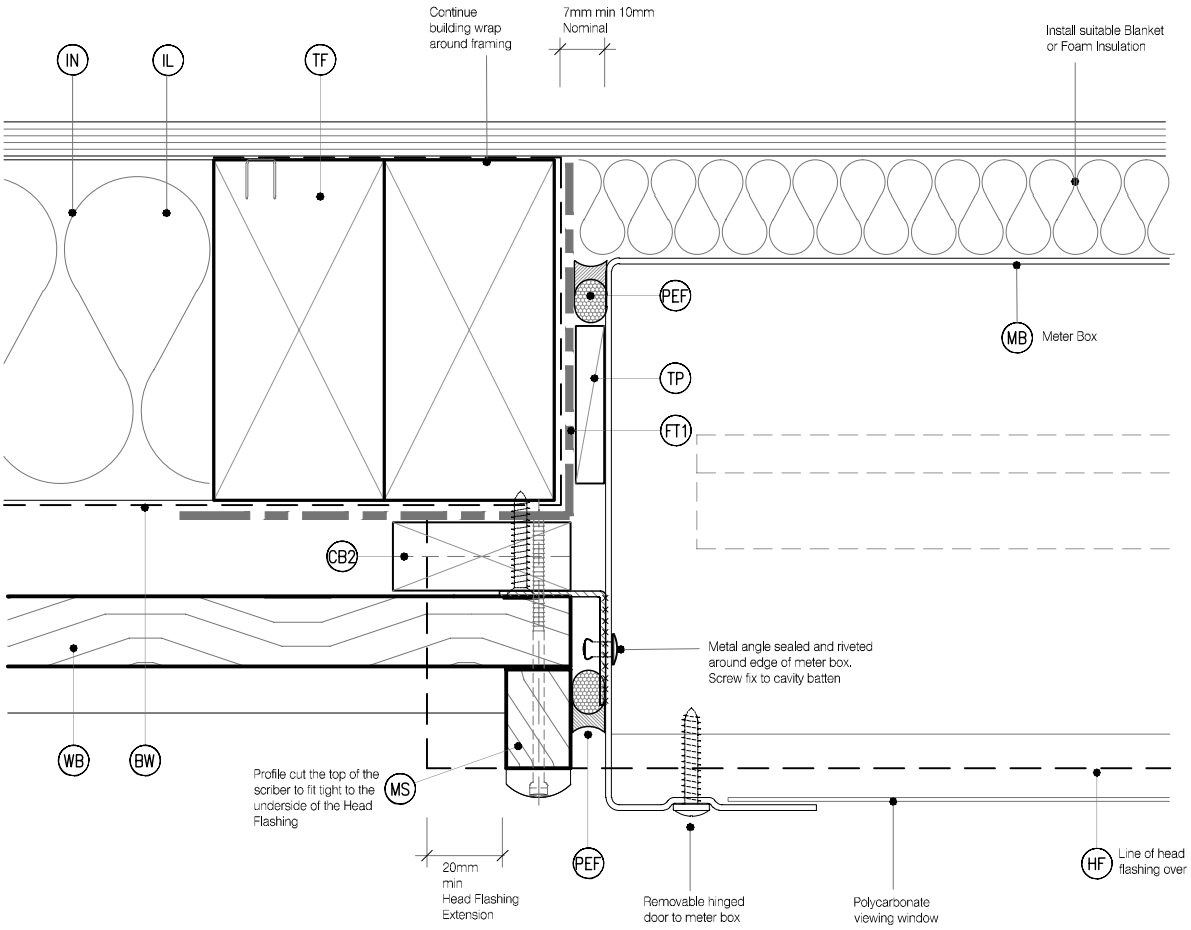


LEGEND:

- MB — METER BOX: Electrical meter box, with removable hinged door and polycarbonate viewing window
- BW — BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23, In extra high wind zones, Ridgid Underlay required (9.1.7.2 E2/AS1)
- CB2 — CAVITY BATTEN, VERTICAL: 20mm x 45mm H3.1. To form a 20mm cavity.
- CB3 — CAVITY BATTEN, VERTICAL - STRUCTURALLY FIXED : 45mm x 45mm SPP Radiata Pine, H3.2 70mm x 45mm SPP Radiata Pine, H3.2 To form a 45mm cavity
- CS — CANT STRIP: Southern Pine H3.1 Cant Strip 25mm x 9 mm
- SS — SILL SCRIBER: Southern Pine H3.2, Horizontal batten under window as necessary to suit profile, sealant to back of sill scriber
- CC — CAVITY CLOSURE: Cavity closure strip, positioned to give a 15mm Min drip edge to cladding
- FT1 — FLASHING TAPE: Flashing tape over wrap 70mm (50 min) turn-down required in corners only. Refer to Fig. 72 of NZBC E2/AS1
- FT2 — FLEXIBLE FLASHING TAPE: Flexible flashing tape lapped over aluminium head flashing or 2nd layer of Building Wrap, taped joint to top of timber frame
- HF — HEAD FLASHING: Aluminium head flashing with minimum 15 degree fall, optional hemmed edges as per table 7 E2/AS1
- IL — INTERNAL LINING: Selected Internal Lining
- PEF — PEF ROD BACKING: Foam backing rod with sealant to cavity in Window perimeter that forms a waterproof air-seal. (Sealant 2:1 Ratio)
- TP — TIMBER PACKER: Tan H3.2 Treated Packer
- TF — TIMBER FRAME: H1.2 min treated timber framing
- IN — INSULATION: Selected Insulation
- WB — WEATHER BOARD: Southern Pine Bevel Back Weatherboard. Profile to NZS 3617
- WL — WINDOW LINER: As Specified
- WH — WEATHERHEAD: (OPTIONAL) Southern Pine, Horizontal batten above meter box as necessary to suit profile, shaped to shed water, sealant to back of head scriber
- MS — METER BOX SCRIBER: Southern Pine H3.1, profile cut to fit weatherboard, sealant to back of scriber and 75 x 3.15mm 316 Stainless Steel nail in 3mm predrilled hole. 40x18 or 60x18 depending on weatherboard size

NOTE : Where 75x3.15 jolt head nails are referenced, these may be substituted for 75mm jolt head weatherboard screws

METER BOX JAMB DETAIL



LEGEND:

- MB — METER BOX: Electrical meter box, with removable hinged door and polycarbonate viewing window
- BW — BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23, In extra high wind zones, Ridgid Underlay required (9.1.7.2 E2/AS1)
- CB2 — CAVITY BATTEN, VERTICAL: 20mm x 45mm H3.1. To form a 20mm cavity.
- CB3 — CAVITY BATTEN, VERTICAL - STRUCTURALLY FIXED : 45mm x 45mm SPP Radiata Pine, H3.2 / 70mm x 45mm SPP Radiata Pine, H3.2 / To form a 45mm cavity
- CS — CANT STRIP: Southern Pine H3.1 / Cant Strip 25mm x 9 mm
- SS — SILL SCRIBER: Southern Pine H3.2, Horizontal batten under window as necessary to suit profile, sealant to back of sill scriber
- CC — CAVITY CLOSURE: Cavity closure strip, positioned to give a 15mm Min drip edge to cladding
- FT1 — FLASHING TAPE: Flashing tape over wrap 70mm (50 min) turn-down required in corners only. Refer to Fig. 72 of NZBC E2/AS1
- FT2 — FLEXIBLE FLASHING TAPE: Flexible flashing tape lapped over aluminium head flashing or 2nd layer of Building Wrap, taped joint to top of timber frame
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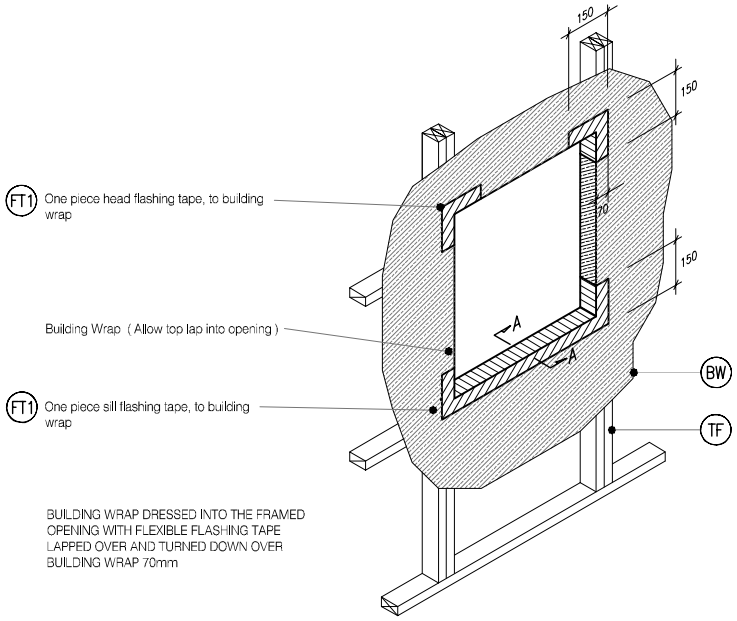
- IL — INTERNAL LINING: Selected Internal Lining
- PEF — PEF ROD BACKING: Foam backing rod with sealant to cavity in Window perimeter that forms a waterproof air-seal. (Sealant 2:1 Ratio)
- TP — TIMBER PACKER: Tan H3.2 Treated Packer
- TF — TIMBER FRAME: H1.2 min treated timber framing
- IN — INSULATION: Selected Insulation
- WB — WEATHER BOARD: Southern Pine Bevel Back Weatherboard. Profile to NZS 3617
- WL — WINDOW LINER: As Specified
- WH — WEATHERHEAD: (OPTIONAL) Southern Pine, Horizontal batten above meter box as necessary to suit profile, shaped to shed water, sealant to back of head scriber
- MS — METER BOX SCRIBER: Southern Pine H3.1, profile cut to fit weatherboard, sealant to back of scriber and 75 x 3.15mm 316 Stainless Steel nail in 3mm predrilled hole. 40x18 or 60x18 depending on weatherboard size

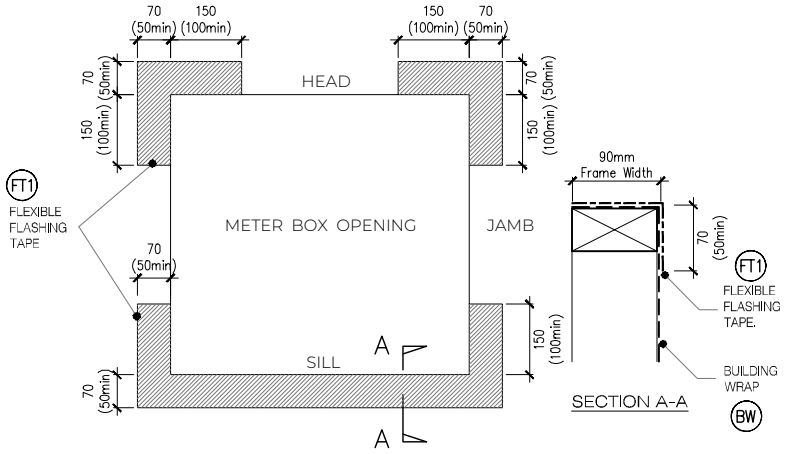
NOTE : Where 75x3.15 jolt head nails are referenced, these may be substituted for 75mm jolt head weatherboard screws

METER BOX FLASHING DETAILS



M4 BB33 TYPICAL METER BOX OPENING (FLASHING TAPE)

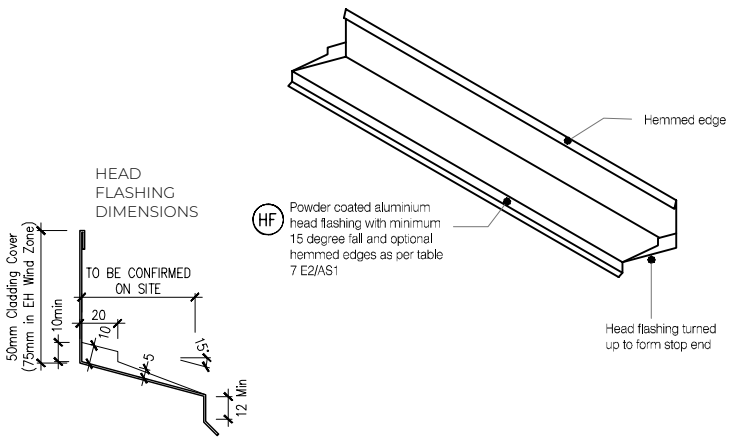
SCALE : N.T.S



1. DENDRO® is Southern Pine's premium product range of H3.2 treated, solid, clear weatherboards. Manufactured from, high quality, pruned NZ Radiata Pine. Product warranty, 25 years if used in accordance with the Installation & Maintenance Guide.
2. All Southern Pine Weatherboard profiles have been machined to be complaint with NZS 3617 and BRANZ BU411
3. The Southern Pine Weatherboard System, if designed and installed as per the Installation & Maintenance Guide, will meet the following provisions of the New Zealand Building Code (NZBC):
   - Clause B1 Structure: Performance B1.3.1, B1.3.2, B1.3.4 (a), (b), (c), (d) and (e) for the
   - Clause B2 Durability: Performance B2.3.1(b) and B2.3.2(b)
   - Clause E2 External Moisture: Performance E2.3.2, E2.3.3, E2.3.5, E2.3.7(b) and (c)
   - Clause F2 Hazardous Building Materials: Performance F2.3.1
4. This Weatherboard System must be installed by a qualified trade person. Restricted Building Work (RBW) requires a Licensed Building Practitioner (LBP) or supervised by an LBP. It is the specifies responsibility to ensure that the details are appropriate for the intended application and that additional detailing is obtained for a specific design or any areas that fall outside the scope of the Southern Pine Products & E2/AS1 Acceptable solution.

M5 BB33 FLEXIBLE BUILDING WRAP AT OPENING

SCALE : 1 / 5 @ A1, 1 / 10 @ A3

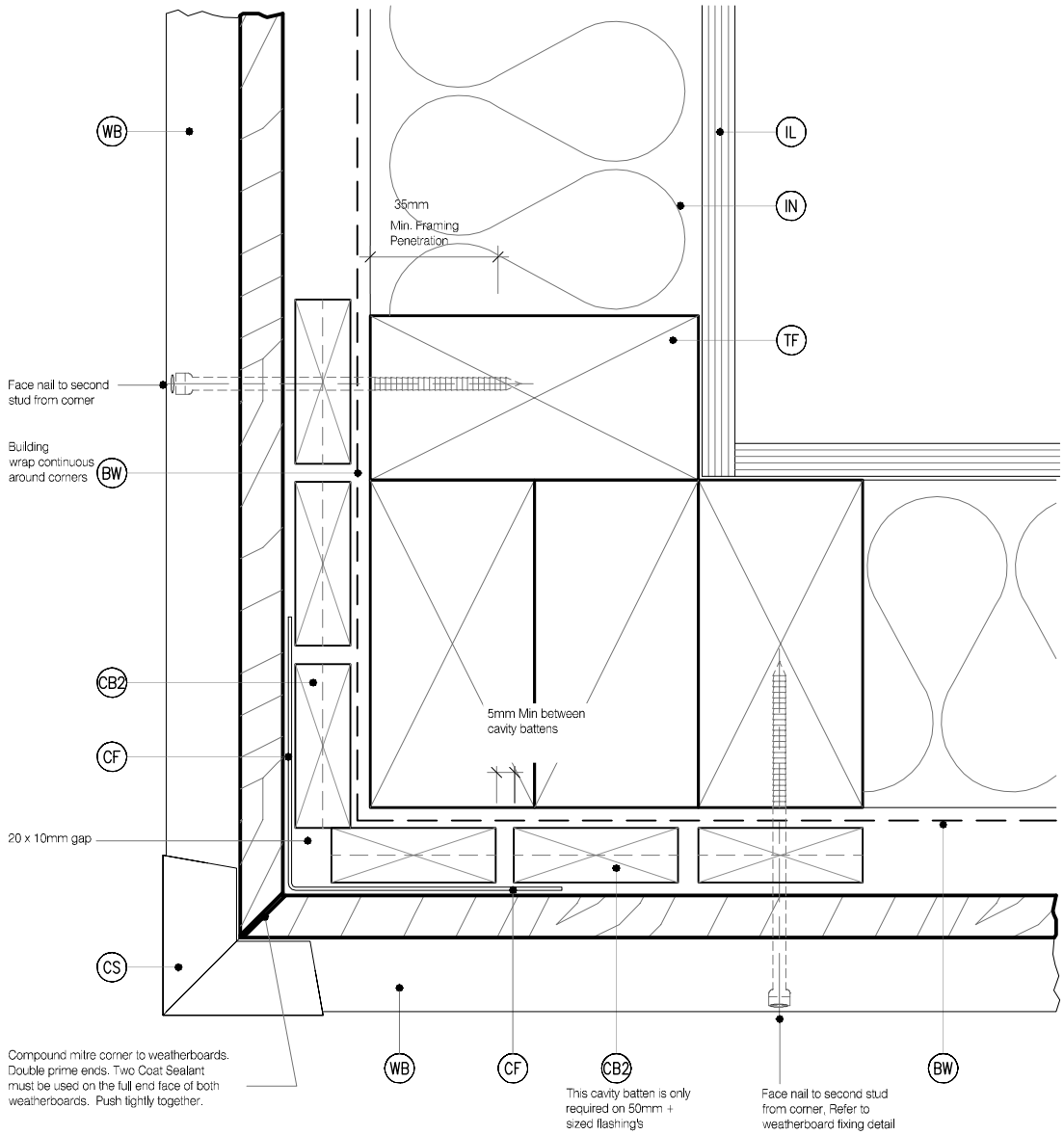


ONE PIECE PC ALUMINIUM HEAD FLASHING 15° SLOPE WITH 10mm min COVER TO JOINERY EXTEND 30mm min EITHER SIDE OF JOINERY WITH STOP ENDS

M6 BB33 TYPICAL HEAD & FLASHING JOINT

SCALE : 1 / 2 @ A1, 1 / 4 @ A3

EXTERNAL CORNER

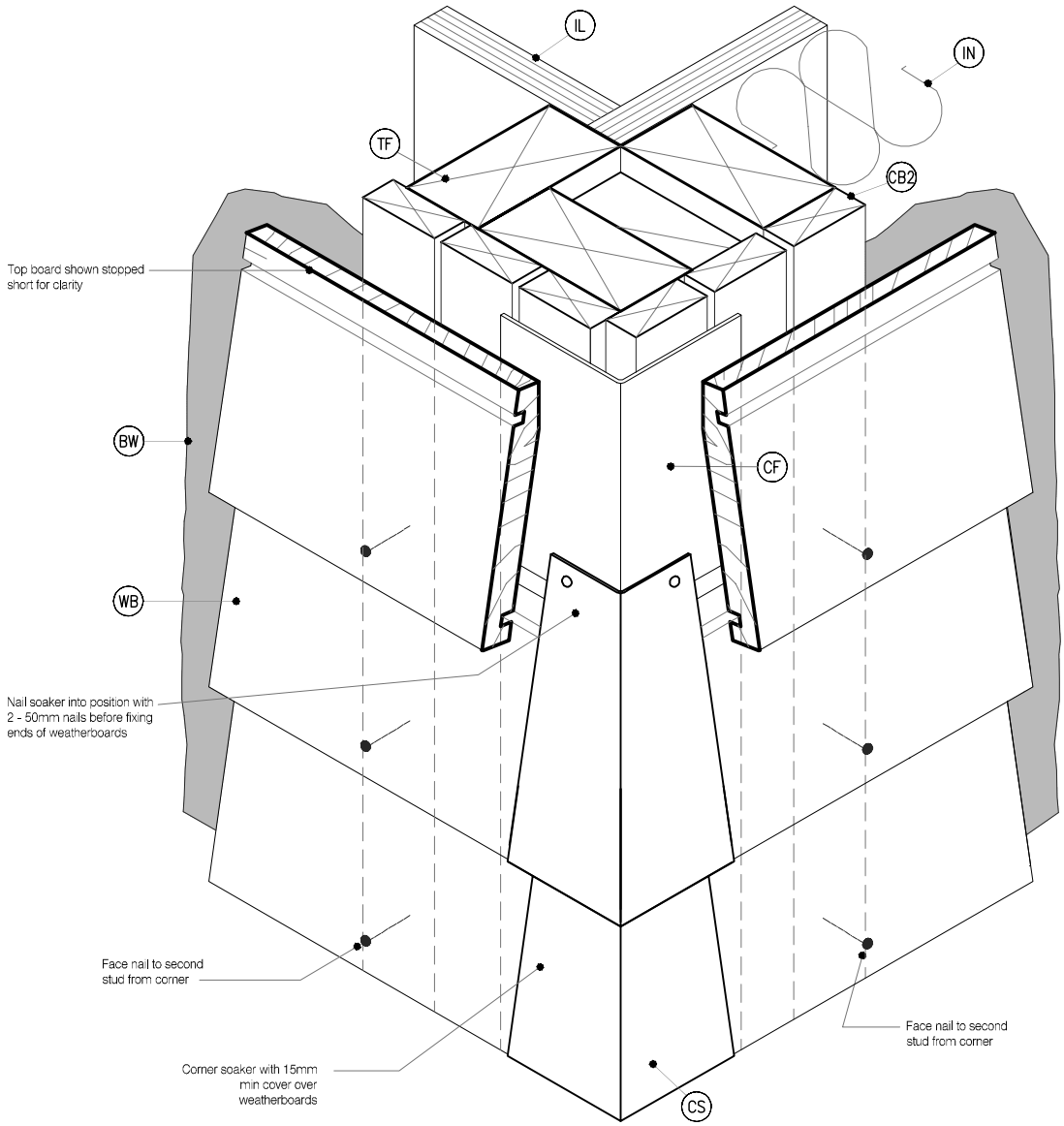


LEGEND:

- (BW) BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23, In extra high wind zones, Ridgid Underlay required (9.1.7.2 E2/AS1)
- (CB2) CAVITY BATTEN, VERTICAL: 20mm x 45mm H3.1. To form a 20mm cavity.
- (CB3) CAVITY BATTEN, VERTICAL - STRUCTURALLY FIXED : 45mm x 45mm SPP Radiata Pine, H3.2 70mm x 45mm SPP Radiata Pine, H3.2 To form a 45mm cavity
- (CF) CORNER FLASHING: Aluminium, PVC or Stainless Steel corner flashing. Refer NZBC E2/AS1 4.3 50x50 Hem or Hook to Flashing Edges 75x75 NO, Hem or Hook Required EXTRA HIGH WIND ZONE 100x100 Hem or Hook to Flashing Edges, Refer NZBC E2/AS1 4.5.1
- (IN) INSULATION: Selected Insulation
- (CC) CAVITY CLOSURE: Cavity closure strip, positioned to give a 15mm Min drip edge to cladding
- (IL) INTERNAL LINING: Selected Internal Lining
- (FT3) FLEXIBLE FLASHING TAPE: Flexible flashing tape lapped into corner, Refer NZBC E2/AS1 4.3.11 Flashing tape is recommended due to movement that may occur in corners. Not required by E2/AS1
- (TF) TIMBER FRAME: H1.2 min Treated timber framing
- (WB) WEATHER BOARD: Southern Pine Bevel Back Weatherboard. Profile to NZS 3617

NOTE : Where 75x3.15 jolt head nails are referenced, these may be substituted for 75mm jolt head weatherboard screws

3D EXTERNAL CORNER



Soaker material	Nail material
Copper	Copper or phosphor bronze
Aluminium	Hot dip galvanised
Stainless steel	Stainless steel

LEGEND:

(BW) BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23, In extra high wind zones, Ridgid Underlay required (9.1.7.2 E2/AS1)

(CB2) CAVITY BATTEN, VERTICAL: 20mm x 45mm H3.1. To form a 20mm cavity.

(CB3) CAVITY BATTEN, VERTICAL - STRUCTURALLY FIXED : 45mm x 45mm SPP Radiata Pine, H3.2
70mm x 45mm SPP Radiata Pine, H3.2
To form a 45mm cavity

(CF) CORNER FLASHING: Aluminium, PVC or Stainless Steel corner flashing. Refer NZBC E2/AS1 4.3
50x50 Hem or Hook to Flashing Edges
75x75 NO, Hem or Hook Required
EXTRA HIGH WIND ZONE
100x100 Hem or Hook to Flashing Edges,
Refer NZBC E2/AS1 4.5.1

(IN) INSULATION: Selected Insulation

(CC) CAVITY CLOSURE: Cavity closure strip, positioned to give a 15mm Min drip edge to cladding

(IL) INTERNAL LINING: Selected Internal Lining

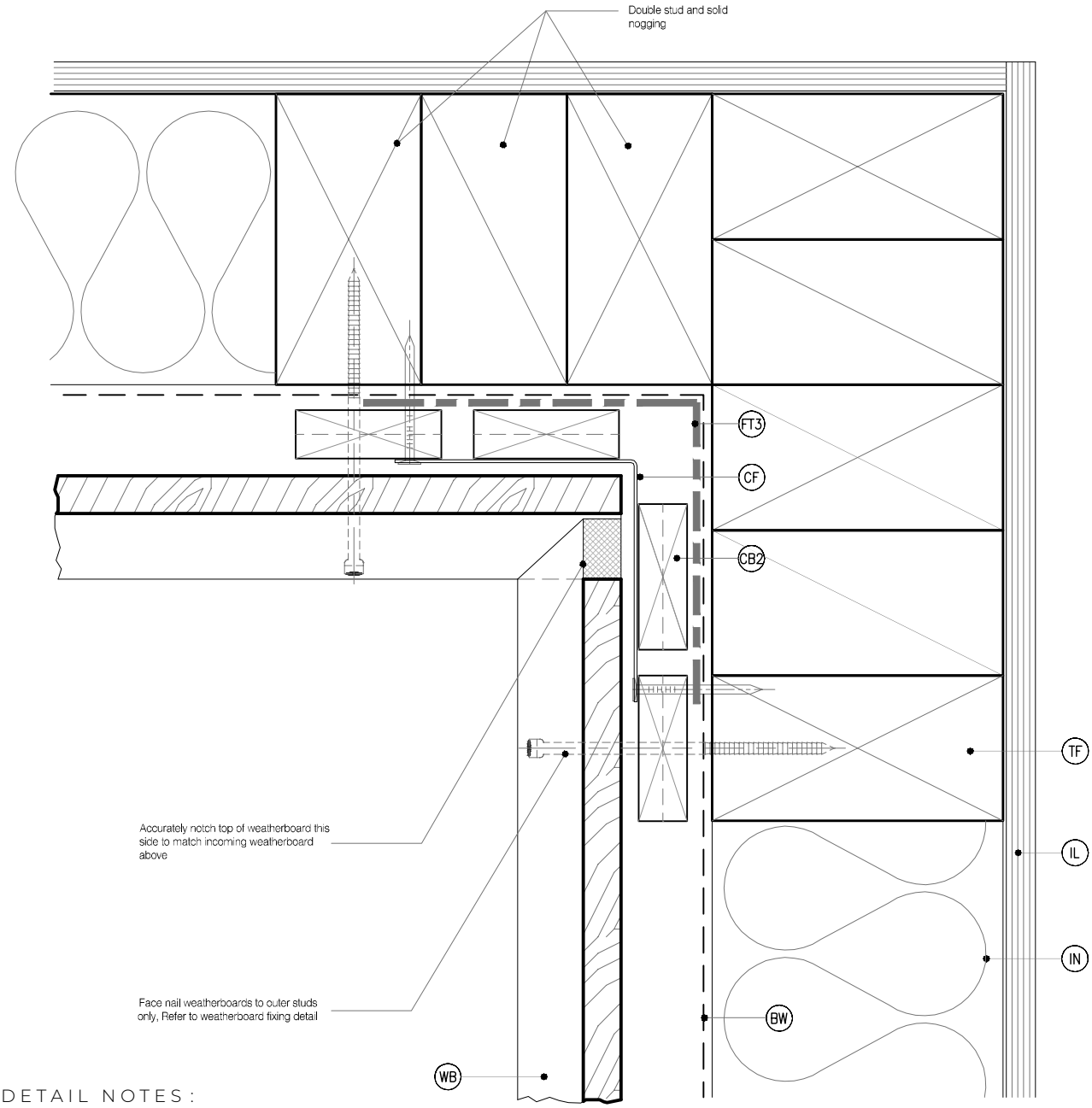
(FT3) FLEXIBLE FLASHING TAPE: Flexible flashing tape lapped into corner, Refer NZBC E2/AS1 4.3.11 Flashing tape is recommended due to movement that may occur in corners. Not required by E2/AS1

(TF) TIMBER FRAME: H1.2 min Treated timber framing

(WB) WEATHER BOARD: Southern Pine Bevel Back Weatherboard. Profile to NZS 3617

NOTE : Where 75x3.15 jolt head nails are referenced, these may be substituted for 75mm jolt head weatherboard screws

INTERNAL CORNER



DETAIL NOTES :

1. Flashing tape is recommended due to movement that may occur in corners but it is not required by E2/AS1
2. Aluminium extrusion must not be continuous over solid floor joists.

LEGEND:

BW BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23, In extra high wind zones, Ridgid Underlay required (9.1.7.2 E2/AS1)

CB2 CAVITY BATTEN, VERTICAL: 20mm x 45mm H3.1. To form a 20mm cavity.

CB3 CAVITY BATTEN, VERTICAL - STRUCTURALLY FIXED : 45mm x 45mm SPP Radiata Pine, H3.2
70mm x 45mm SPP Radiata Pine, H3.2
To form a 45mm cavity

CF CORNER FLASHING: Aluminium, PVC or Stainless Steel corner flashing. Refer NZBC E2/AS1 4.3
50x50 Hem or Hook to Flashing Edges
75x75 NO, Hem or Hook Required
EXTRA HIGH WIND ZONE
100x100 Hem or Hook to Flashing Edges,
Refer NZBC E2/AS1 4.5.1

IN INSULATION: Selected Insulation

CC CAVITY CLOSURE: Cavity closure strip, positioned to give a 15mm Min drip edge to cladding

IL INTERNAL LINING: Selected Internal Lining

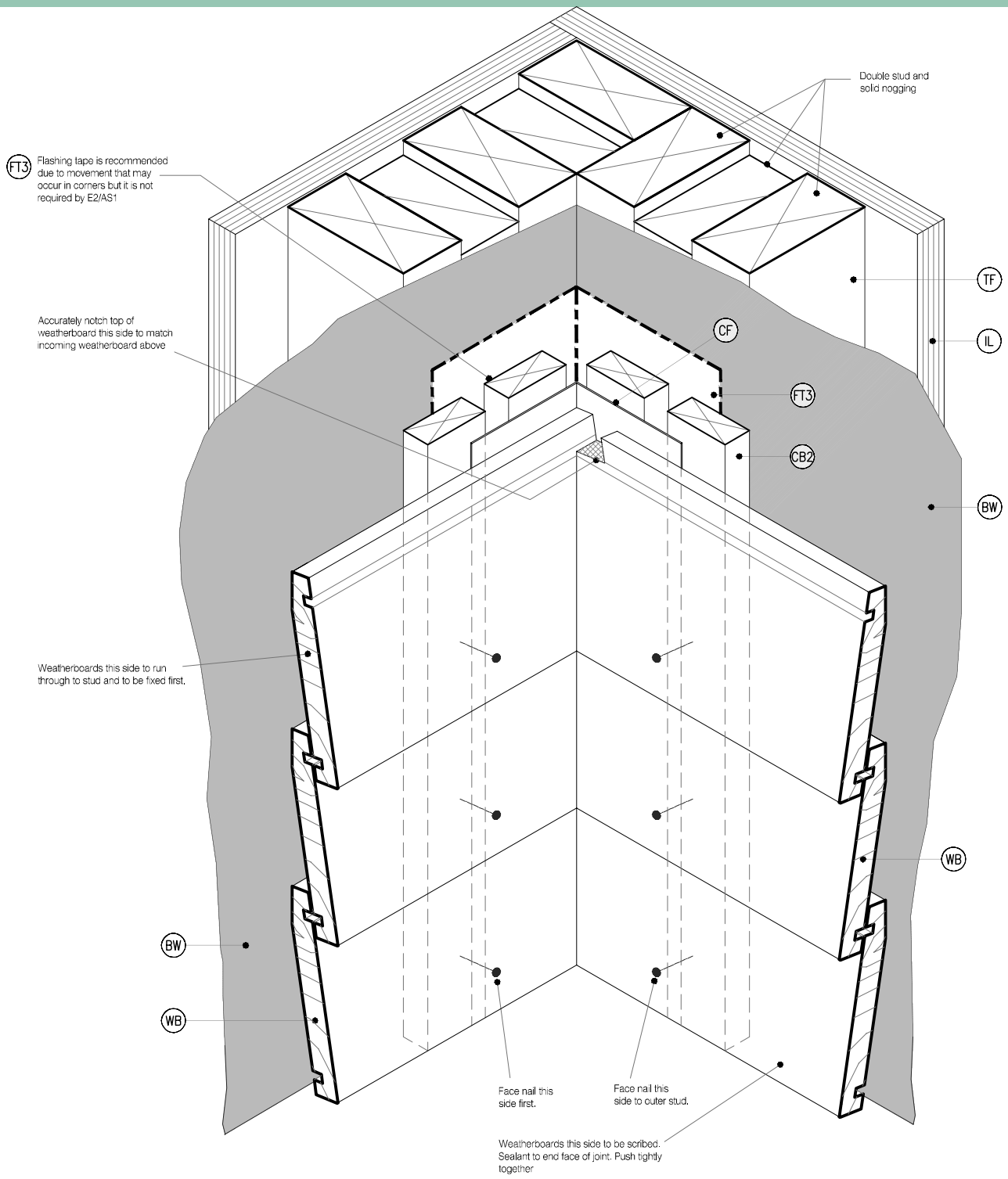
FT3 FLEXIBLE FLASHING TAPE: Flexible flashing tape lapped into corner, Refer NZBC E2/AS1 4.3.11 Flashing tape is recommended due to movement that may occur in corners. Not required by E2/AS1

TF TIMBER FRAME: H1.2 min Treated timber framing

WB WEATHER BOARD: Southern Pine Bevel Back Weatherboard. Profile to NZS 3617

NOTE : Where 75x3.15 jolt head nails are referenced, these may be substituted for 75mm jolt head weatherboard screws

3D INTERNAL CORNER

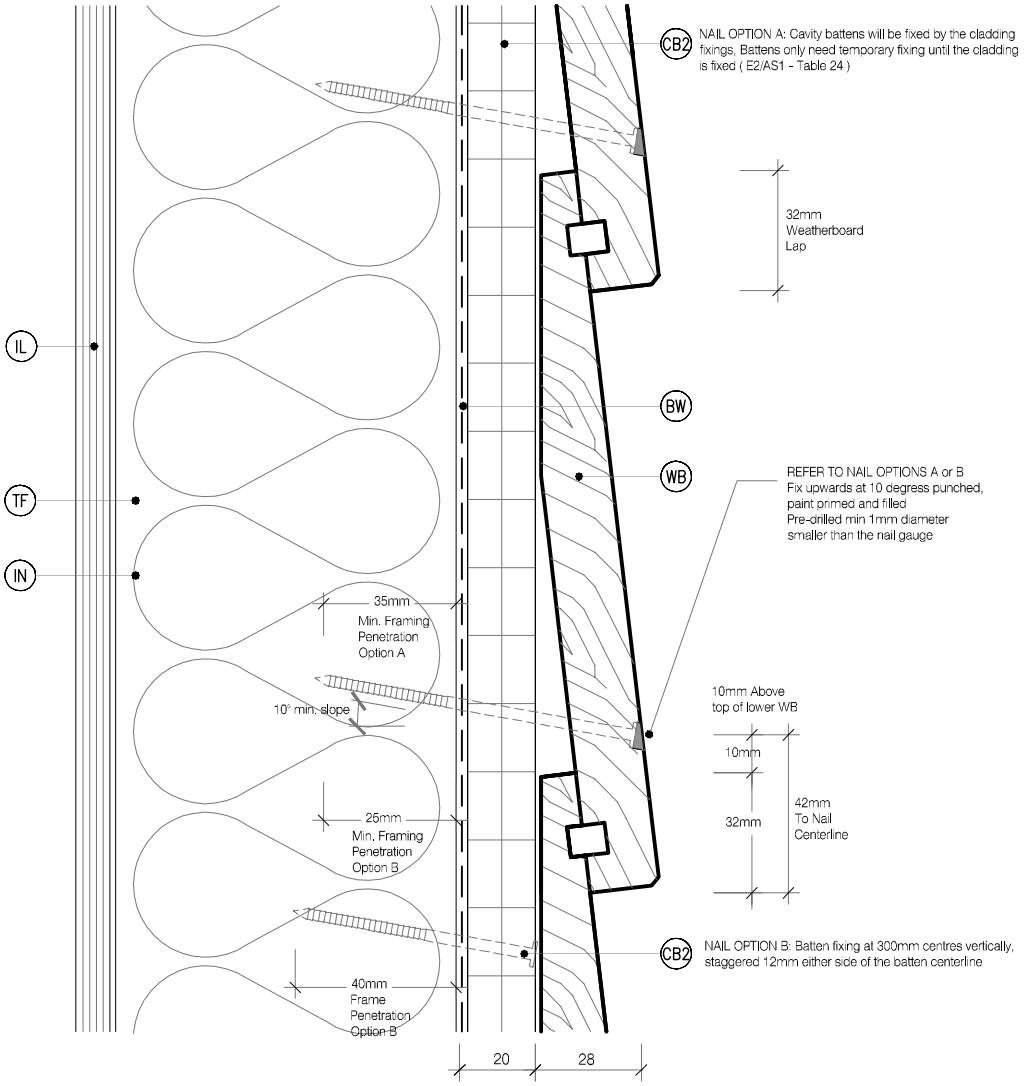


LEGEND:

- (BW) BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23, In extra high wind zones, Ridgid Underlay required (9.1.7.2 E2/AS1)
- (CB2) CAVITY BATTEN, VERTICAL: 20mm x 45mm H3.1. To form a 20mm cavity.
- (CB3) CAVITY BATTEN, VERTICAL - STRUCTURALLY FIXED : 45mm x 45mm SPP Radiata Pine, H3.2 70mm x 45mm SPP Radiata Pine, H3.2 To form a 45mm cavity
- (CF) CORNER FLASHING: Aluminium, PVC or Stainless Steel corner flashing. Refer NZBC E2/AS1 4.3 50x50 Hem or Hook to Flashing Edges 75x75 NO, Hem or Hook Required EXTRA HIGH WIND ZONE 100x100 Hem or Hook to Flashing Edges, Refer NZBC E2/AS1 4.5.1
- (IN) INSULATION: Selected Insulation
- (CC) CAVITY CLOSURE: Cavity closure strip, positioned to give a 15mm Min drip edge to cladding
- (IL) INTERNAL LINING: Selected Internal Lining
- (FT3) FLEXIBLE FLASHING TAPE: Flexible flashing tape lapped into corner, Refer NZBC E2/AS1 4.3.11 Flashing tape is recommended due to movement that may occur in corners. Not required by E2/AS1
- (TF) TIMBER FRAME: H1.2 min Treated timber framing
- (WB) WEATHER BOARD: Southern Pine Bevel Back Weatherboard. Profile to NZS 3617

NOTE : Where 75x3.15 jolt head nails are referenced, these may be substituted for 75mm jolt head weatherboard screws

WEATHERBOARD FIXING



NAIL OPTION A -
One Nail to Framing
(Refer E2/AS1 - Table 24)

WEATHERBOARD & CAVITY BATTEN FIXING
90 x 3.55mm Jolt Head, Hot Dip Galvanised Nail
OR
75 x 3.15mm CSK Annular Grooved, HD Galv Nail
75 x 3.15mm CSK Annular Grooved, SS Nail

NAIL OPTION B -
Structurally Fixed Cavity Bat ten
(Refer BRANZ Bulletin No 582 & Test Report ST0589)

BATTEN FIXING OPTION
60 x 2.8mm Jolt Head, Hot Dip Galvanised Nail
65 x 2.87mm Power Driver, Hot Dip Galvanised Nail
65 x 2.87mm Power Driver, Annular Grooved SS Nail

WEATHERBOARD FIXING
75 x 3.15mm Jolt Head, Hot Dip Galvanised Nail
75 x 3.15mm CSK Annular Grooved, SS Nail

LEGEND:

BW BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23, In extra high wind zones, Ridgid Underlay required (9.1.7.2 E2/AS1)

CB2 CAVITY BATTEN, VERTICAL: 20mm x 45mm H3.1. To form a 20mm cavity.

CB3 CAVITY BATTEN, VERTICAL - STRUCTURALLY FIXED : 45mm x 45mm SPP Radiata Pine, H3.2
70mm x 45mm SPP Radiata Pine, H3.2
To form a 45mm cavity

CF CORNER FLASHING: Aluminium, PVC or Stainless Steel corner flashing. Refer NZBC E2/AS1 4.3
50x50 Hem or Hook to Flashing Edges
75x75 NO, Hem or Hook Required
EXTRA HIGH WIND ZONE
100x100 Hem or Hook to Flashing Edges,
Refer NZBC E2/AS1 4.5.1

IN INSULATION: Selected Insulation

CC CAVITY CLOSURE: Cavity closure strip, positioned to give a 15mm Min drip edge to cladding

IL INTERNAL LINING: Selected Internal Lining

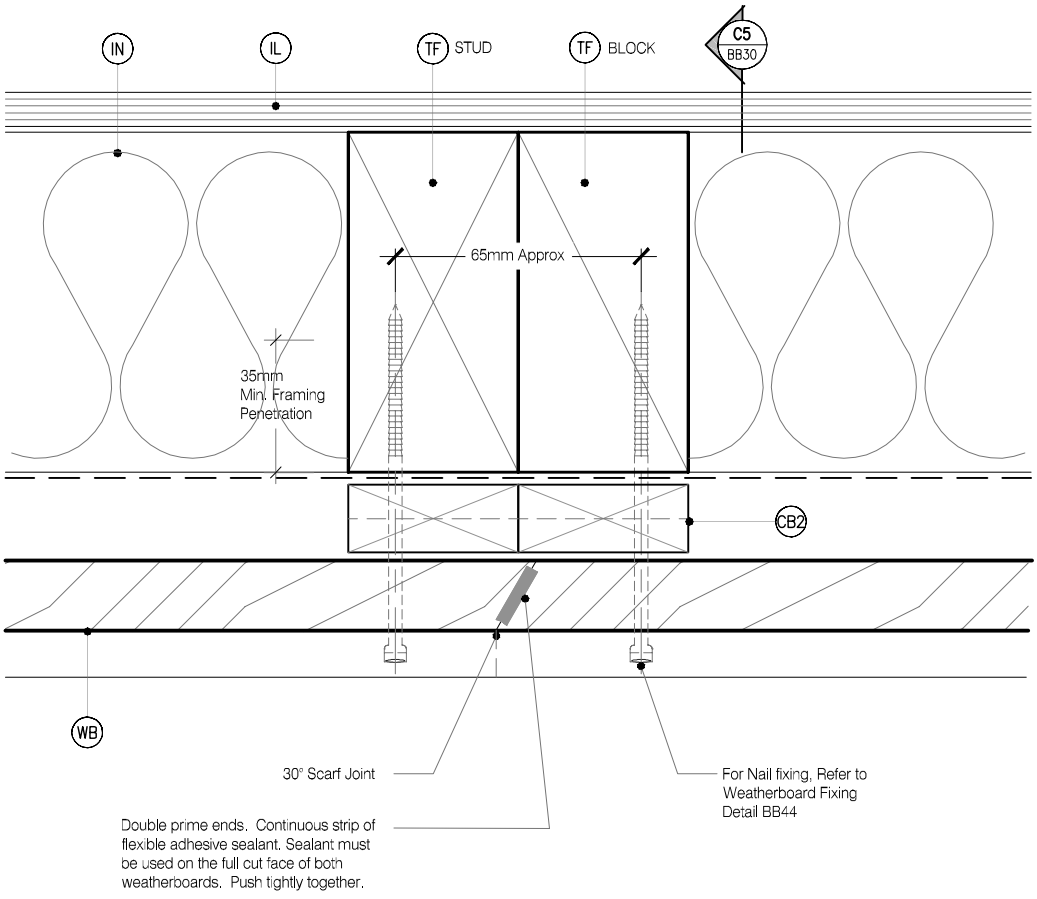
FT3 FLEXIBLE FLASHING TAPE: Flexible flashing tape lapped into corner, Refer NZBC E2/AS1 4.3.11 Flashing tape is recommended due to movement that may occur in corners. Not required by E2/AS1

TF TIMBER FRAME: H1.2 min Treated timber framing

WB WEATHER BOARD: Southern Pine Bevel Back Weatherboard. Profile to NZS 3617

NOTE : Where 75x3.15 jolt head nails are referenced, these may be substituted for 75mm jolt head weatherboard screws

SCARF JOIN



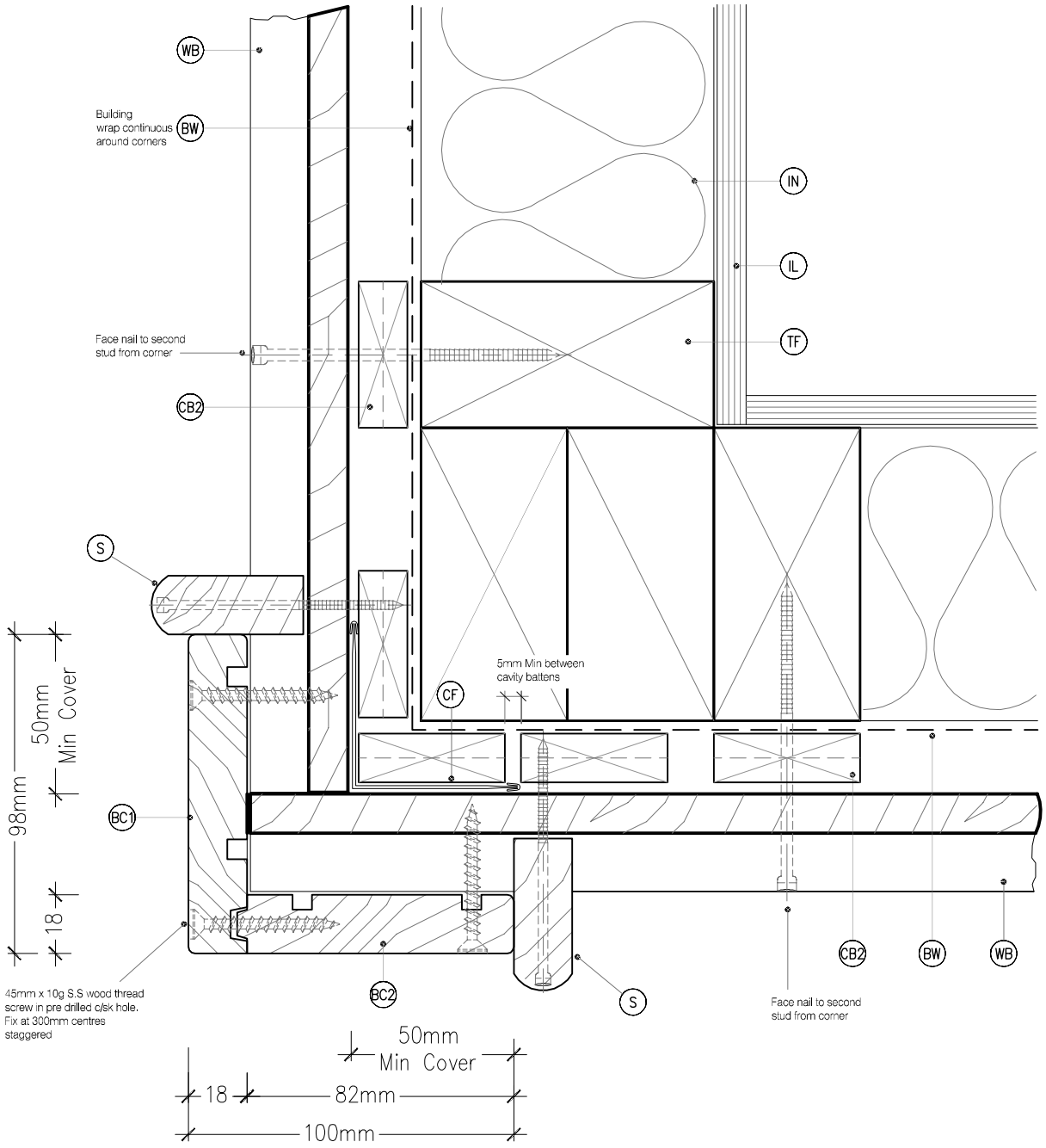
When joining weatherboards a 30 ° Scarf joint is to be used.
This joint must face away from the prevailing weather.
Alternatively a corrosion resistant soaker can be used, refer to E2/AS1 - 9.4.4.2 & Soakers materials to 4.32 to Paragraph 4.3.8

LEGEND:

- (BW) BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23, In extra high wind zones, Ridgid Underlay required (9.1.7.2 E2/AS1)
- (CB2) CAVITY BATTEN, VERTICAL: 20mm x 45mm H3.1. To form a 20mm cavity.
- (CB3) CAVITY BATTEN, VERTICAL - STRUCTURALLY FIXED : 45mm x 45mm SPP Radiata Pine, H3.2 70mm x 45mm SPP Radiata Pine, H3.2 To form a 45mm cavity
- (CF) CORNER FLASHING: Aluminium, PVC or Stainless Steel corner flashing. Refer NZBC E2/AS1 4.3 50x50 Hem or Hook to Flashing Edges 75x75 NO, Hem or Hook Required EXTRA HIGH WIND ZONE 100x100 Hem or Hook to Flashing Edges, Refer NZBC E2/AS1 4.5.1
- (IN) INSULATION: Selected Insulation
- (CC) CAVITY CLOSURE: Cavity closure strip, positioned to give a 15mm Min drip edge to cladding
- (IL) INTERNAL LINING: Selected Internal Lining
- (FT3) FLEXIBLE FLASHING TAPE: Flexible flashing tape lapped into corner, Refer NZBC E2/AS1 4.3.11 Flashing tape is recommended due to movement that may occur in corners. Not required by E2/AS1
- (TF) TIMBER FRAME: H1.2 min Treated timber framing
- (WB) WEATHER BOARD: Southern Pine Bevel Back Weatherboard. Profile to NZS 3617

NOTE : Where 75x3.15 jolt head nails are referenced, these may be substituted for 75mm jolt head weatherboard screws

EXTERNAL CORNER

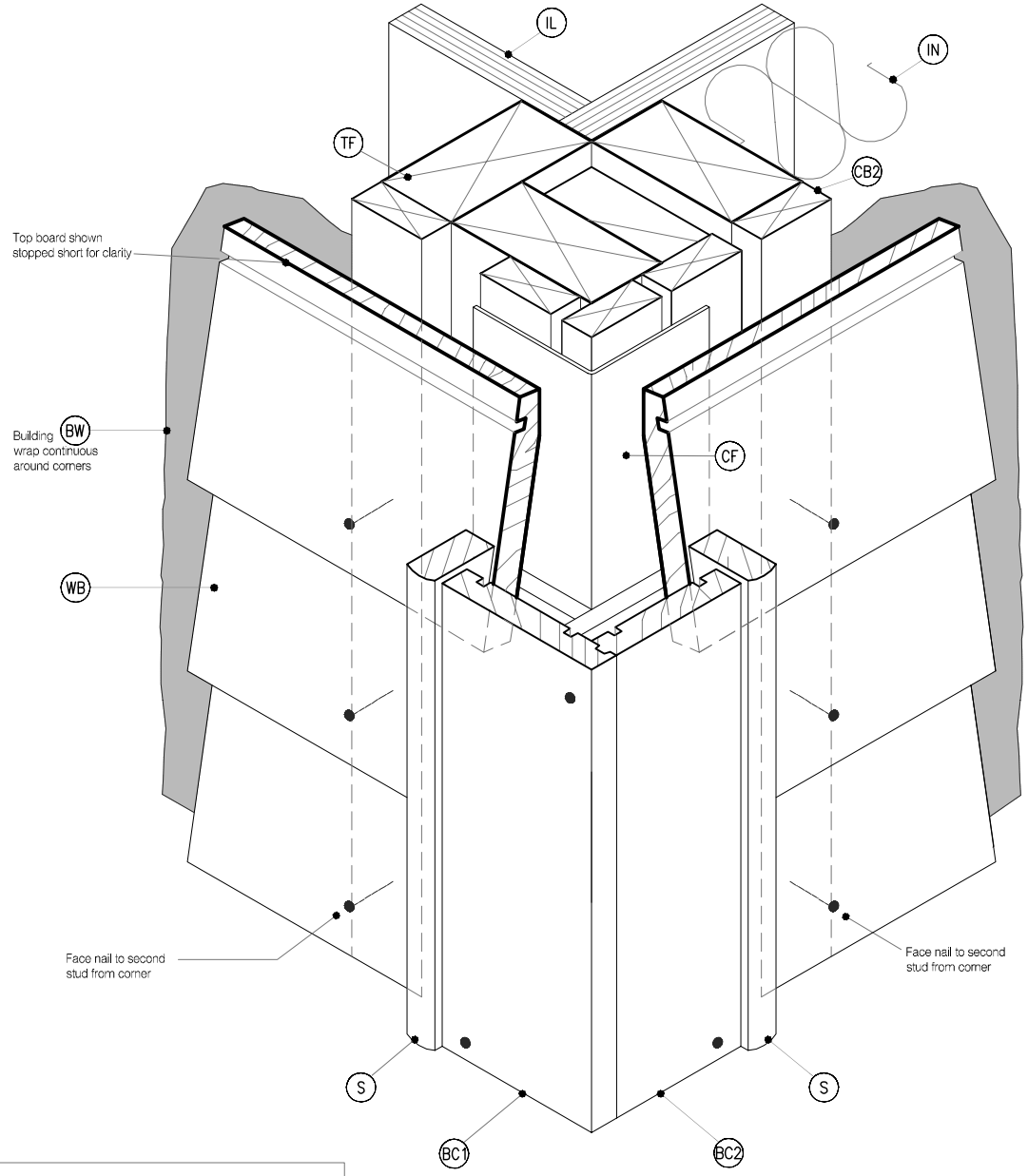


LEGEND:

- BC1 — BOXED CORNER COVER : Southern Pine 100 x 18 H3.1 External box corner
- BC2 — BOXED CORNER COVER : Southern Pine 87 x 18 H3.1 Reversible box corner
- BC3 — BOXED CORNER COVER : Southern Pine 100 x 18 H3.1 Internal box corner
- CB2 — CAVITY BATTEN, VERTICAL: 20mm x 45mm H3.1. To form a 20mm cavity.
- CB3 — CAVITY BATTEN, VERTICAL - STRUCTURALLY FIXED : 45mm x 45mm SPP Radiata Pine, H3.2 70mm x 45mm SPP Radiata Pine, H3.2 To form a 45mm cavity
- BW — BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23, In extra high wind zones, Ridgid Underlay required (9.1.7.2 E2/AS1)
- CF — CORNER FLASHING: Aluminium, PVC or Stainless Steel corner flashing. Refer NZBC E2/AS1 4.3 50x50 Hem or Hook to Flashing Edges 75x75 NO, Hem or Hook Required EXTRA HIGH WIND ZONE 100x100 Hem or Hook to Flashing Edges, Refer NZBC E2/AS1 4.5.1
- FT3 — FLEXIBLE FLASHING TAPE: Flexible flashing tape lapped into corner, Refer NZBC E2/AS1 4.3.11 Flashing tape is recommended due to movement that may occur in corners. (Not required by E2/AS1)
- FT4 — FLEXIBLE FLASHING TAPE: Flexible flashing tape wrapped around pipe and over building wrap, Refer NZBC E2/AS1 4.3.11 & Figure 68
- IN — INSULATION: Selected Insulation
- PEF — PEF ROD BACKING: Foam backing rod with sealant to perimeter that forms a waterproof air-seal. (Sealant 2:1 Ratio)
- TF — TIMBER FRAME: H1.2 min treated timber framing
- IL — INTERNAL LINING: Selected Internal Lining
- WB — WEATHER BOARD: Southern Pine Bevel Back Weatherboard. Profile to NZS 3617
- WS — SCRIBER: Southern Pine H3.1, profile cut to fit weatherboard, sealant to back of scriber and 75 x 3.15mm 316 Stainless Steel nail in 3mm predrilled hole. 40x18 or 60x18 depending on weatherboard size

NOTE : Where 75x3.15 jolt head nails are referenced, these may be substituted for 75mm jolt head weatherboard screws

3D EXTERNAL CORNER



NOTE:
Box corner trim must not be continuous over solid floor joists.

LEGEND:

- BC1 — BOXED CORNER COVER : Southern Pine 100 x 18 H3.1 External box corner
- BC2 — BOXED CORNER COVER : Southern Pine 87 x 18 H3.1 Reversible box corner
- BC3 — BOXED CORNER COVER : Southern Pine 100 x 18 H3.1 Internal box corner
- CB2 — CAVITY BATTEN, VERTICAL: 20mm x 45mm H3.1. To form a 20mm cavity.
- CB3 — CAVITY BATTEN, VERTICAL - STRUCTURALLY FIXED : 45mm x 45mm SPP Radiata Pine, H3.2
70mm x 45mm SPP Radiata Pine, H3.2
To form a 45mm cavity
- BW — BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23, In extra high wind zones, Ridgid Underlay required (9.1.7.2 E2/AS1)
- CF — CORNER FLASHING: Aluminium, PVC or Stainless Steel corner flashing. Refer NZBC E2/AS1 4.3
50x50 Hem or Hook to Flashing Edges
75x75 NO, Hem or Hook Required
EXTRA HIGH WIND ZONE
100x100 Hem or Hook to Flashing Edges,
Refer NZBC E2/AS1 4.5.1
- FT3 — FLEXIBLE FLASHING TAPE: Flexible flashing tape lapped into corner, Refer NZBC E2/AS1 4.3.11 Flashing tape is recommended due to movement that may occur in corners. (Not required by E2/AS1)
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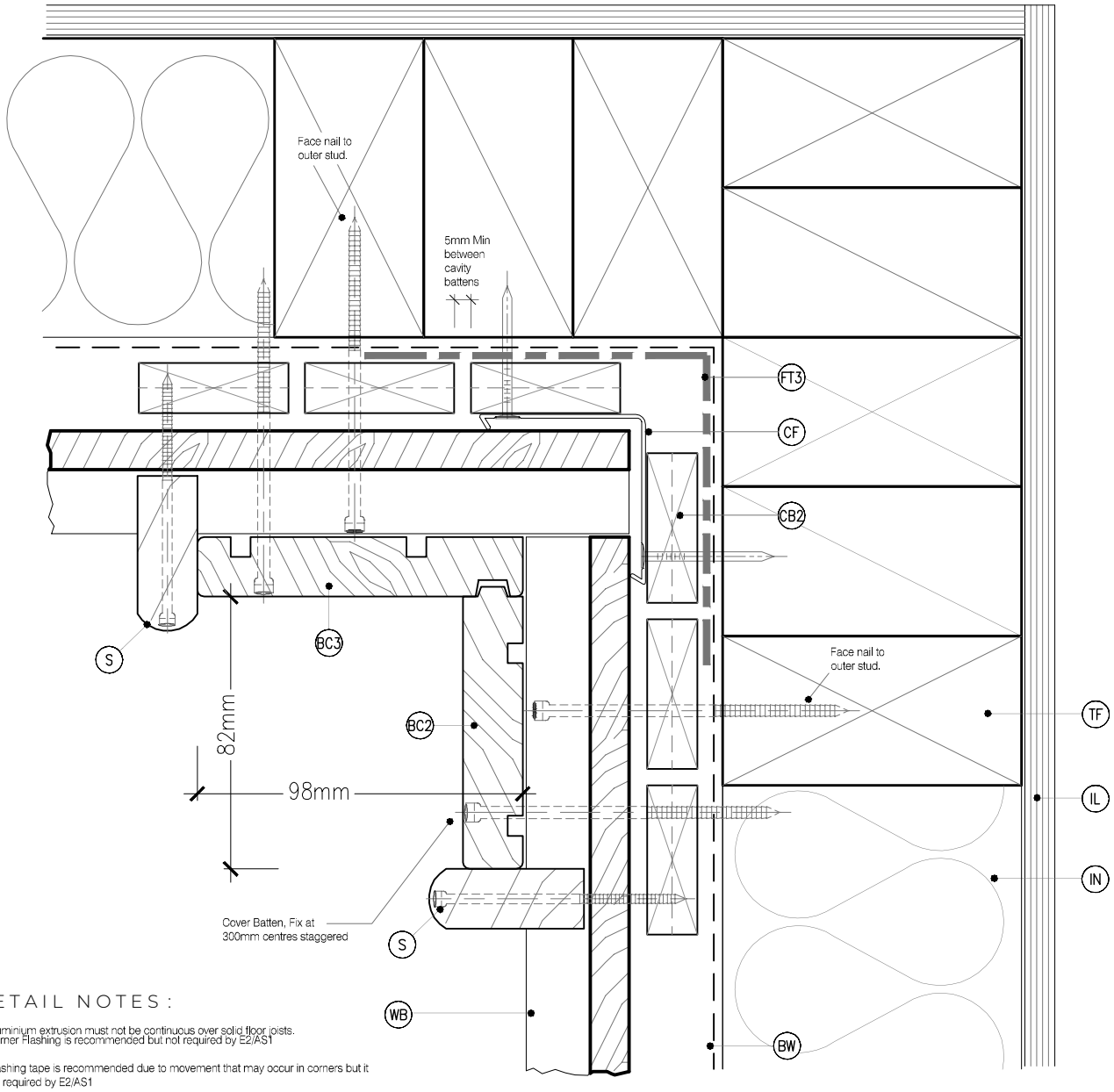
- PEF — PEF ROD BACKING: Foam backing rod with sealant to perimeter that forms a waterproof air-seal. (Sealant 2:1 Ratio)
- TF — TIMBER FRAME: H1.2 min treated timber framin
- IL — INTERNAL LINING: Selected Internal Lining
- WB — WEATHER BOARD: Southern Pine Bevel Back Weatherboard. Profile to NZS 3617
- WS — SCRIBER: Southern Pine H3.1, profile cut to fit weatherboard, sealant to back of scriber and 75 x 3.15mm 316 Stainless Steel nail in 3mm predrilled hole. 40x18 or 60x18 depending on weatherboard size

NOTE : Where 75x3.15 jolt head nails are referenced, these may be substituted for 75mm jolt head weatherboard screws

INTERNAL CORNER



DETAIL NOTES :

1. Aluminium extrusion must not be continuous over solid floor joists.
2. Corner Flashing is recommended but not required by E2/AS1

3. Flashing tape is recommended due to movement that may occur in corners but it is not required by E2/AS1

LEGEND:

- BC1 — BOXED CORNER COVER : Southern Pine 100 x 18 H3.1 External box corner
- BC2 — BOXED CORNER COVER : Southern Pine 87 x 18 H3.1 Reversible box corner
- BC3 — BOXED CORNER COVER : Southern Pine 100 x 18 H3.1 Internal box corner
- CB2 — CAVITY BATTEN, VERTICAL: 20mm x 45mm H3.1. To form a 20mm cavity.
- CB3 — CAVITY BATTEN, VERTICAL - STRUCTURALLY FIXED : 45mm x 45mm SPP Radiata Pine, H3.2 70mm x 45mm SPP Radiata Pine, H3.2 To form a 45mm cavity
- BW — BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23, In extra high wind zones, Ridgid Underlay required (9.1.7.2 E2/AS1)
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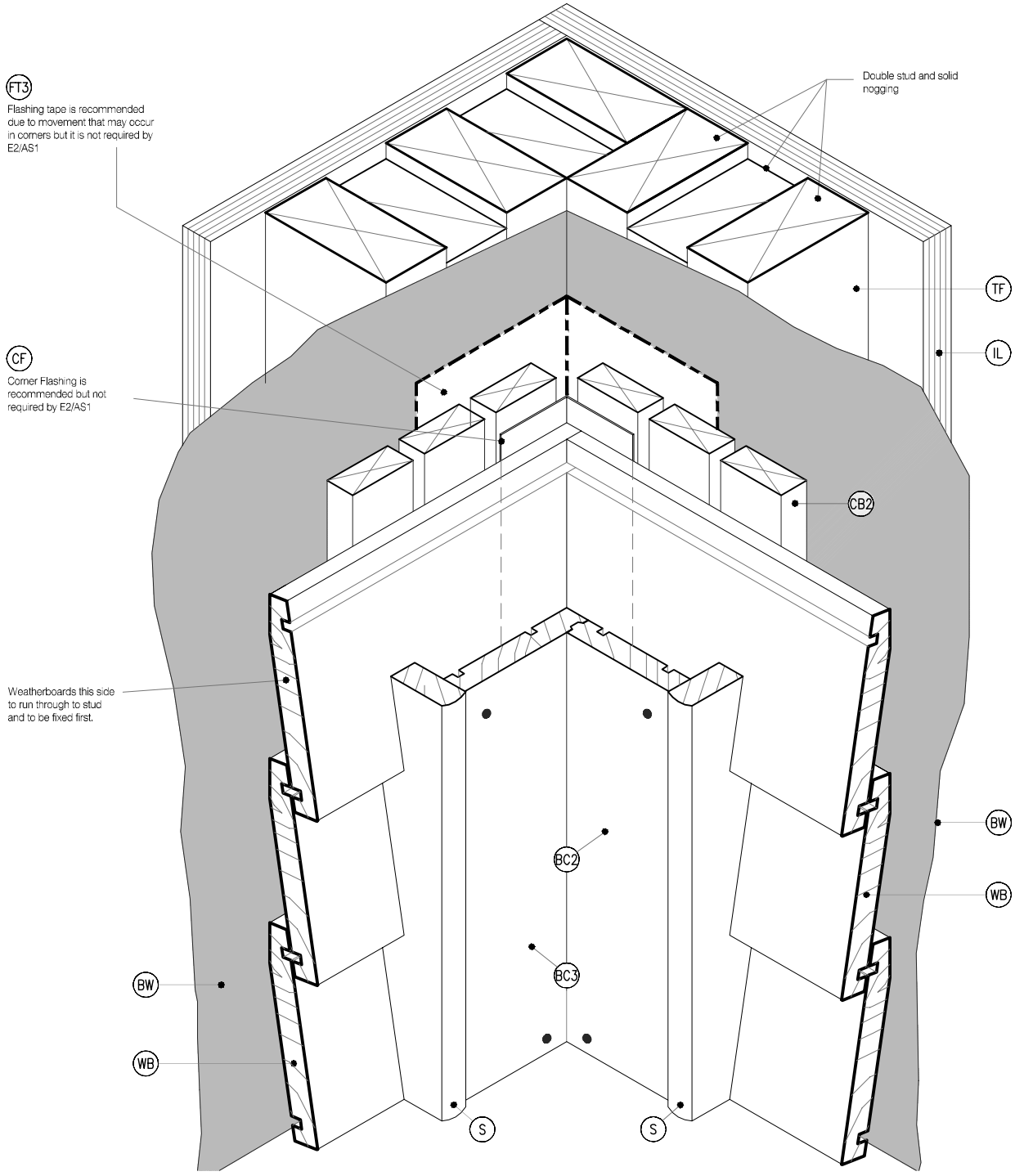
- FT3 — FLEXIBLE FLASHING TAPE: Flexible flashing tape lapped into corner, Refer NZBC E2/AS1 4.3.11 Flashing tape is recommended due to movement that may occur in corners. (Not required by E2/AS1)
- FT4 — FLEXIBLE FLASHING TAPE: Flexible flashing tape wrapped around pipe and over building wrap, Refer NZBC E2/AS1 4.3.11 & Figure 68
- IN — INSULATION: Selected Insulation
- PEF — PEF ROD BACKING: Foam backing rod with sealant to perimeter that forms a waterproof air-seal. (Sealant 2:1 Ratio)
- TF — TIMBER FRAME: H1.2 min treated timber framing
- IL — INTERNAL LINING: Selected Internal Lining
- WB — WEATHER BOARD: Southern Pine Bevel Back Weatherboard. Profile to NZS 3617
- WS — SCRIBER: Southern Pine H3.1, profile cut to fit weatherboard, sealant to back of scriber and 75 x 3.15mm 316 Stainless Steel nail in 3mm predrilled hole. 40x18 or 60x18 depending on weatherboard size

NOTE : Where 75x3.15 jolt head nails are referenced, these may be substituted for 75mm jolt head weatherboard screws

3D INTERNAL CORNER



LEGEND:

- BC1 — BOXED CORNER COVER : Southern Pine 100 x 18 H3.1 External box corner
- BC2 — BOXED CORNER COVER : Southern Pine 87 x 18 H3.1 Reversible box corner
- BC3 — BOXED CORNER COVER : Southern Pine 100 x 18 H3.1 Internal box corner
- CB2 — CAVITY BATTEN, VERTICAL: 20mm x 45mm H3.1. To form a 20mm cavity.
- CB3 — CAVITY BATTEN, VERTICAL - STRUCTURALLY FIXED : 45mm x 45mm SPP Radiata Pine, H3.2 70mm x 45mm SPP Radiata Pine, H3.2 To form a 45mm cavity
- BW — BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23, In extra high wind zones, Ridgid Underlay required (9.1.7.2 E2/AS1)
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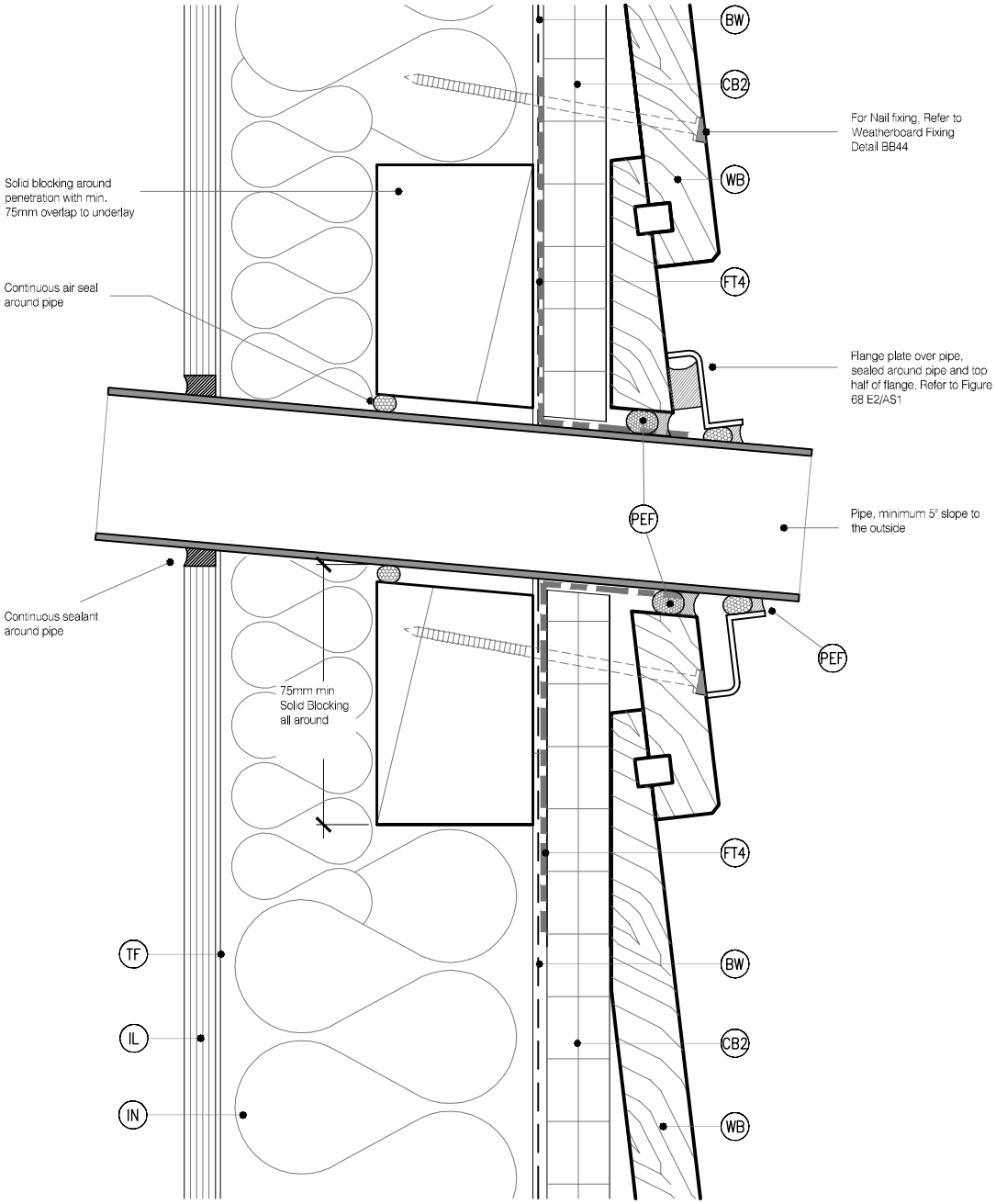
- FT3 — FLEXIBLE FLASHING TAPE: Flexible flashing tape lapped into corner, Refer NZBC E2/AS1 4.3.11 Flashing tape is recommended due to movement that may occur in corners. (Not required by E2/AS1)
- FT4 — FLEXIBLE FLASHING TAPE: Flexible flashing tape wrapped around pipe and over building wrap, Refer NZBC E2/AS1 4.3.11 & Figure 68
- IN — INSULATION: Selected Insulation
- PEF — PEF ROD BACKING: Foam backing rod with sealant to perimeter that forms a waterproof air-seal. (Sealant 2:1 Ratio)
- TF — TIMBER FRAME: H1.2 min treated timber framing
- IL — INTERNAL LINING: Selected Internal Lining
- WB — WEATHER BOARD: Southern Pine Bevel Back Weatherboard. Profile to NZS 3617
- WS — SCRIBER: Southern Pine H3.1, profile cut to fit weatherboard, sealant to back of scriber and 75 x 3.15mm 316 Stainless Steel nail in 3mm predrilled hole. 40x18 or 60x18 depending on weatherboard size

NOTE : Where 75x3.15 jolt head nails are referenced, these may be substituted for 75mm jolt head weatherboard screws

PIPE PENETRATION

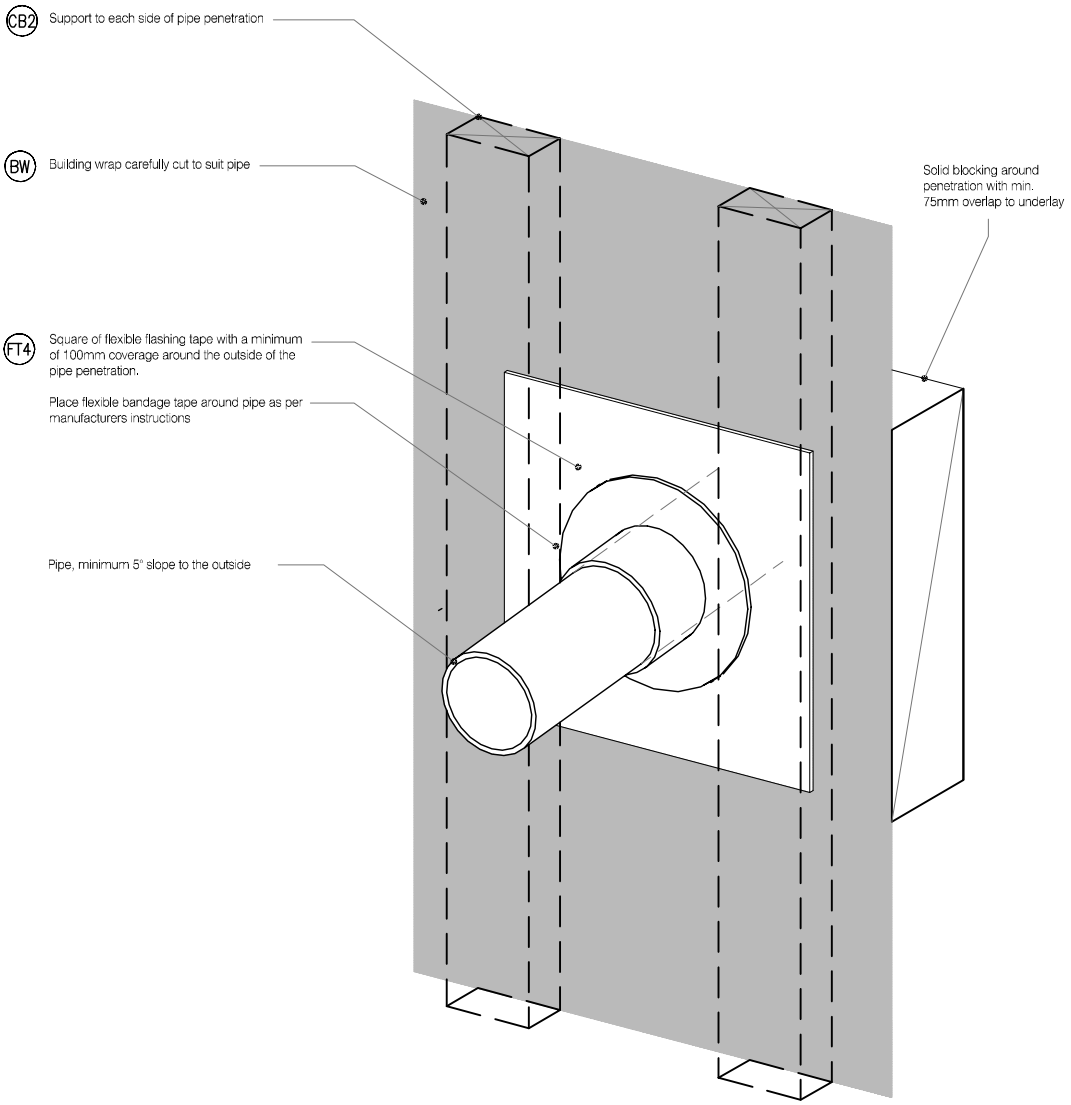


LEGEND:

- BC1 — BOXED CORNER COVER : Southern Pine 100 x 18 H3.1 External box corner
- BC2 — BOXED CORNER COVER : Southern Pine 87 x 18 H3.1 Reversible box corner
- BC3 — BOXED CORNER COVER : Southern Pine 100 x 18 H3.1 Internal box corner
- CB2 — CAVITY BATTEN, VERTICAL: 20mm x 45mm H3.1. To form a 20mm cavity.
- CB3 — CAVITY BATTEN, VERTICAL - STRUCTURALLY FIXED : 45mm x 45mm SPP Radiata Pine, H3.2 70mm x 45mm SPP Radiata Pine, H3.2 To form a 45mm cavity
- BW — BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23, In extra high wind zones, Ridgid Underlay required (9.1.7.2 E2/AS1)
- CF — CORNER FLASHING: Aluminium, PVC or Stainless Steel corner flashing. Refer NZBC E2/AS1 4.3 50x50 Hem or Hook to Flashing Edges 75x75 NO, Hem or Hook Required EXTRA HIGH WIND ZONE 100x100 Hem or Hook to Flashing Edges, Refer NZBC E2/AS1 4.5.1
- FT3 — FLEXIBLE FLASHING TAPE: Flexible flashing tape lapped into corner, Refer NZBC E2/AS1 4.3.11 Flashing tape is recommended due to movement that may occur in corners. (Not required by E2/AS1)
- FT4 — FLEXIBLE FLASHING TAPE: Flexible flashing tape wrapped around pipe and over building wrap, Refer NZBC E2/AS1 4.3.11 & Figure 68
- IN — INSULATION: Selected Insulation
- PEF — PEF ROD BACKING: Foam backing rod with sealant to perimeter that forms a waterproof air-seal. (Sealant 2:1 Ratio)
- TF — TIMBER FRAME: H1.2 min treated timber framing
- IL — INTERNAL LINING: Selected Internal Lining
- WB — WEATHER BOARD: Southern Pine Bevel Back Weatherboard. Profile to NZS 3617
- WS — SCRIBER: Southern Pine H3.1, profile cut to fit weatherboard, sealant to back of scriber and 75 x 3.15mm 316 Stainless Steel nail in 3mm predrilled hole. 40x18 or 60x18 depending on weatherboard size

NOTE : Where 75x3.15 jolt head nails are referenced, these may be substituted for 75mm jolt head weatherboard screws

3D PIPE PENETRATION

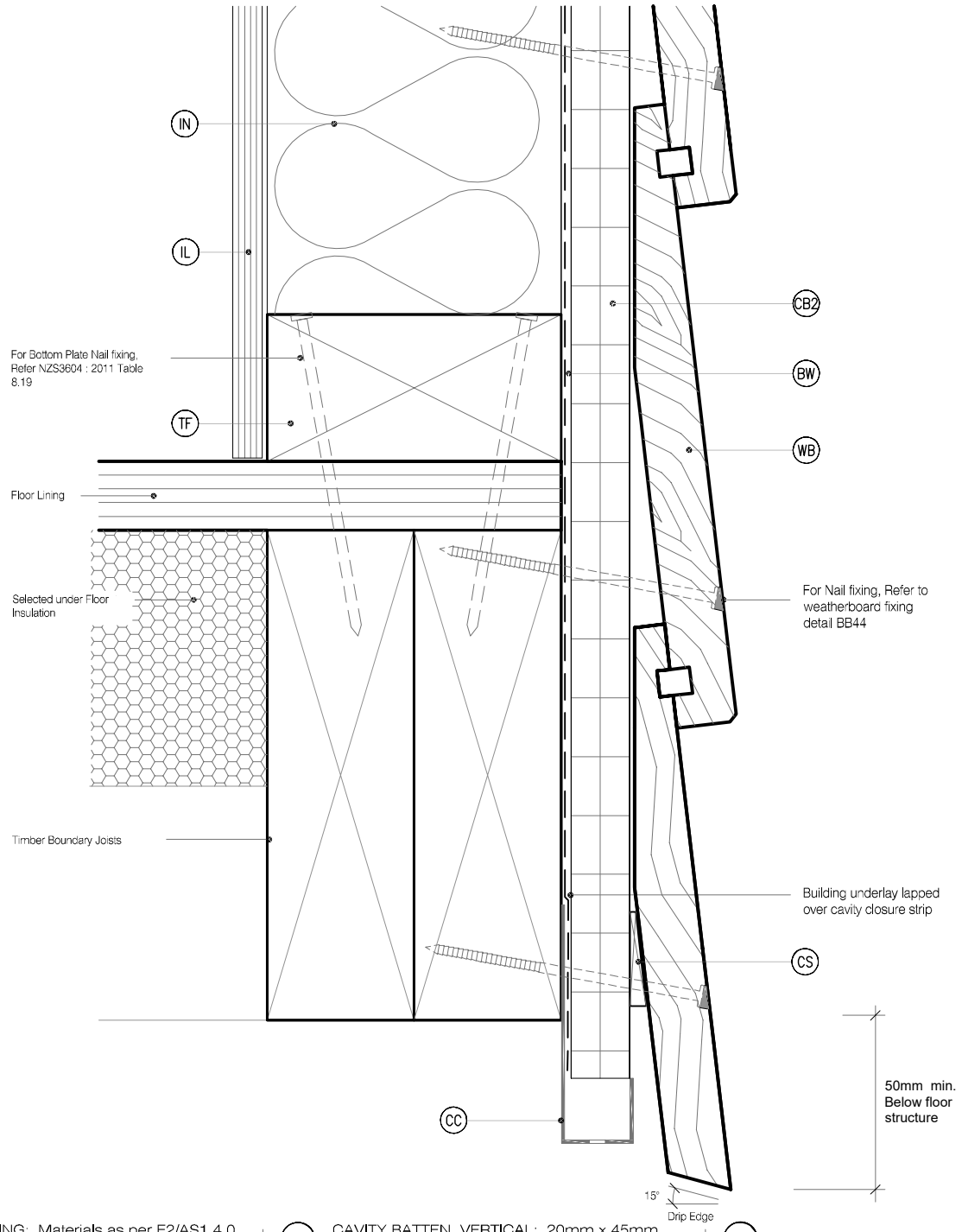


LEGEND:

- BC1 BOXED CORNER COVER : Southern Pine 100 x 18 H3.1 External box corner
- BC2 BOXED CORNER COVER : Southern Pine 87 x 18 H3.1 Reversible box corner
- BC3 BOXED CORNER COVER : Southern Pine 100 x 18 H3.1 Internal box corner
- CB2 CAVITY BATTEN, VERTICAL: 20mm x 45mm H3.1. To form a 20mm cavity.
- CB3 CAVITY BATTEN, VERTICAL - STRUCTURALLY FIXED : 45mm x 45mm SPP Radiata Pine, H3.2 70mm x 45mm SPP Radiata Pine, H3.2 To form a 45mm cavity
- BW BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23, In extra high wind zones, Ridgid Underlay required (9.1.7.2 E2/AS1)
- CF CORNER FLASHING: Aluminium, PVC or Stainless Steel corner flashing. Refer NZBC E2/AS1 4.3 50x50 Hem or Hook to Flashing Edges 75x75 NO, Hem or Hook Required EXTRA HIGH WIND ZONE 100x100 Hem or Hook to Flashing Edges, Refer NZBC E2/AS1 4.5.1
- FT3 FLEXIBLE FLASHING TAPE: Flexible flashing tape lapped into corner, Refer NZBC E2/AS1 4.3.11 Flashing tape is recommended due to movement that may occur in corners. (Not required by E2/AS1)
- FT4 FLEXIBLE FLASHING TAPE: Flexible flashing tape wrapped around pipe and over building wrap, Refer NZBC E2/AS1 4.3.11 & Figure 68
- IN INSULATION: Selected Insulation
- PEF PEF ROD BACKING: Foam backing rod with sealant to perimeter that forms a waterproof air-seal. (Sealant 2:1 Ratio)
- TF TIMBER FRAME: H1.2 min treated timber framing
- IL INTERNAL LINING: Selected Internal Lining
- WB WEATHER BOARD: Southern Pine Bevel Back Weatherboard. Profile to NZS 3617
- WS SCRIBER: Southern Pine H3.1, profile cut to fit weatherboard, sealant to back of scriber and 75 x 3.15mm 316 Stainless Steel nail in 3mm predrilled hole. 40x18 or 60x18 depending on weatherboard size

NOTE : Where 75x3.15 jolt head nails are referenced, these may be substituted for 75mm jolt head weatherboard screws

BASE OF WALL TIMBER

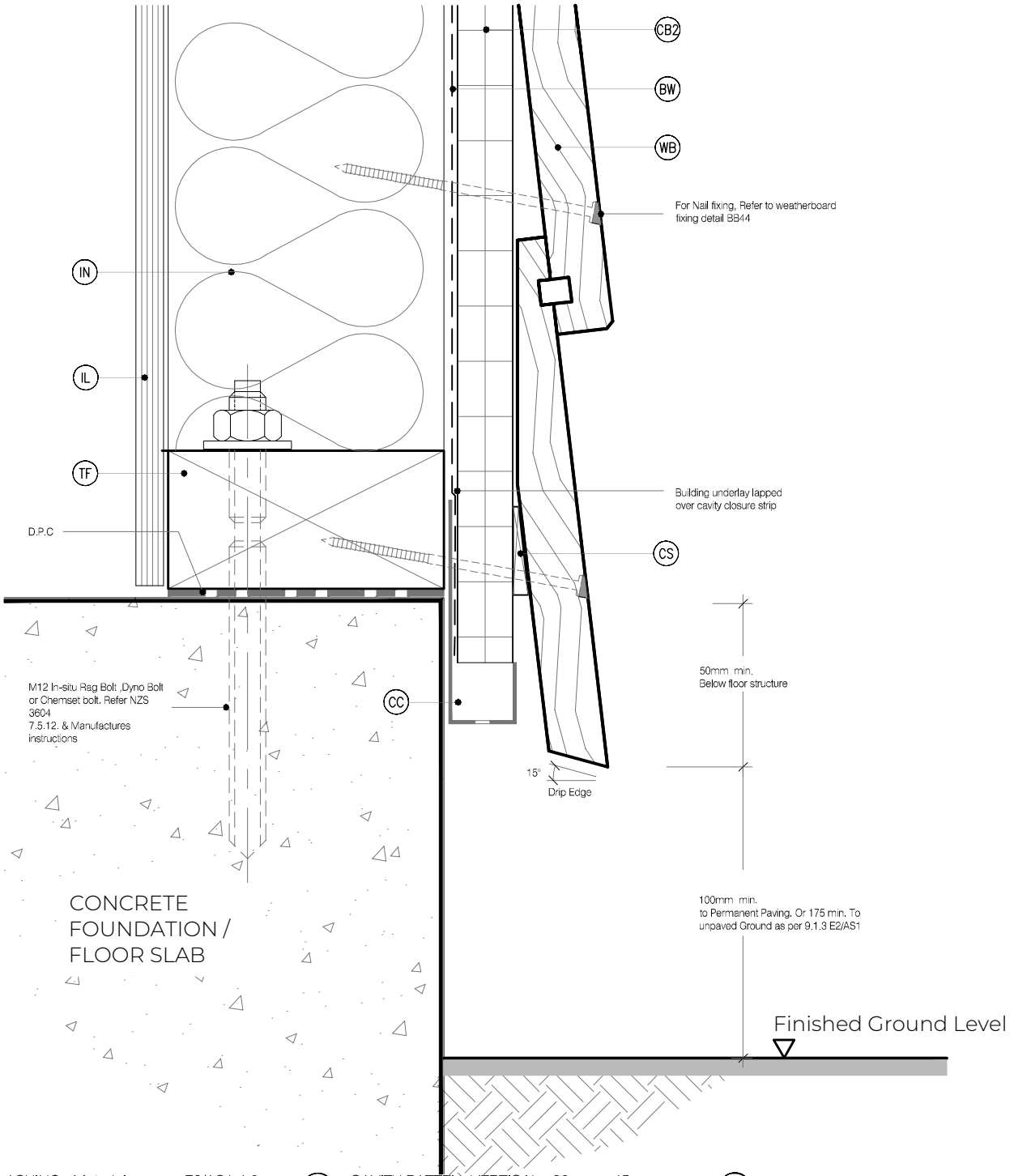


LEGEND:

- (AF) APRON FLASHING: Materials as per E2/AS1 4.0, Coating to match roofing material or refer E2/AS1 Table 21. Flashing Cover 130mm min. (L,M & H ≥ 10°) All others 200mm Refer Table 7 E2/AS1
- (BW) BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23, In extra high wind zones, Ridgid Underlay required (9.1.7.2 E2/AS1)
- (CC) CAVITY CLOSURE: Cavity closure strip, positioned to give a 15mm Min drip edge to cladding
- (IL) INTERNAL LINING: Selected Internal Lining
- (IN) INSULATION: Selected Insulation
- (CB2) CAVITY BATTEN, VERTICAL: 20mm x 45mm H3.1. To form a 20mm cavity.
- (CB3) CAVITY BATTEN, VERTICAL - STRUCTURALLY FIXED : 45mm x 45mm SPP Radiata Pine, H3.2 70mm x 45mm SPP Radiata Pine, H3.2 To form a 45mm cavity
- (HS) HEAD SOFFIT SCRIBER: Southern Pine Eaves Mould EM40x27. Fix with 75 x 3.15 316 SS nail in 2.5mm predrilled hole (spaced off cladding with 5mm EPDM washer to provide ventilation. Recommended moisture control, but not required by E2/AS1
- (MR) METAL ROOFING : Selected Metal Roofing
- (CS) CANT STRIP: Southern Pine H3.1 Cant Strip 25mm x 9 mm
- (SL) SOFFIT LINING: Selected Soffit Lining
- (TP) TIMBER PACKER: Cant Strip, H3.2 Treated at 300crs to allow ventilation over the top of the wall.
- (TF) TIMBER FRAME: H1.2 min treated timber framing
- (RU) ROOFING UNDERLAY: Selected Roofing Underlay As Per AS/AZS4200 with Mesh or Self Supported
- (WB) WEATHER BOARD: Southern Pine Bevel Back Weatherboard. Profile to NZS 3617

NOTE : Where 75x3.15 jolt head nails are referenced, these may be substituted for 75mm jolt head weatherboard screws

BASE OF WALL CONCRETE

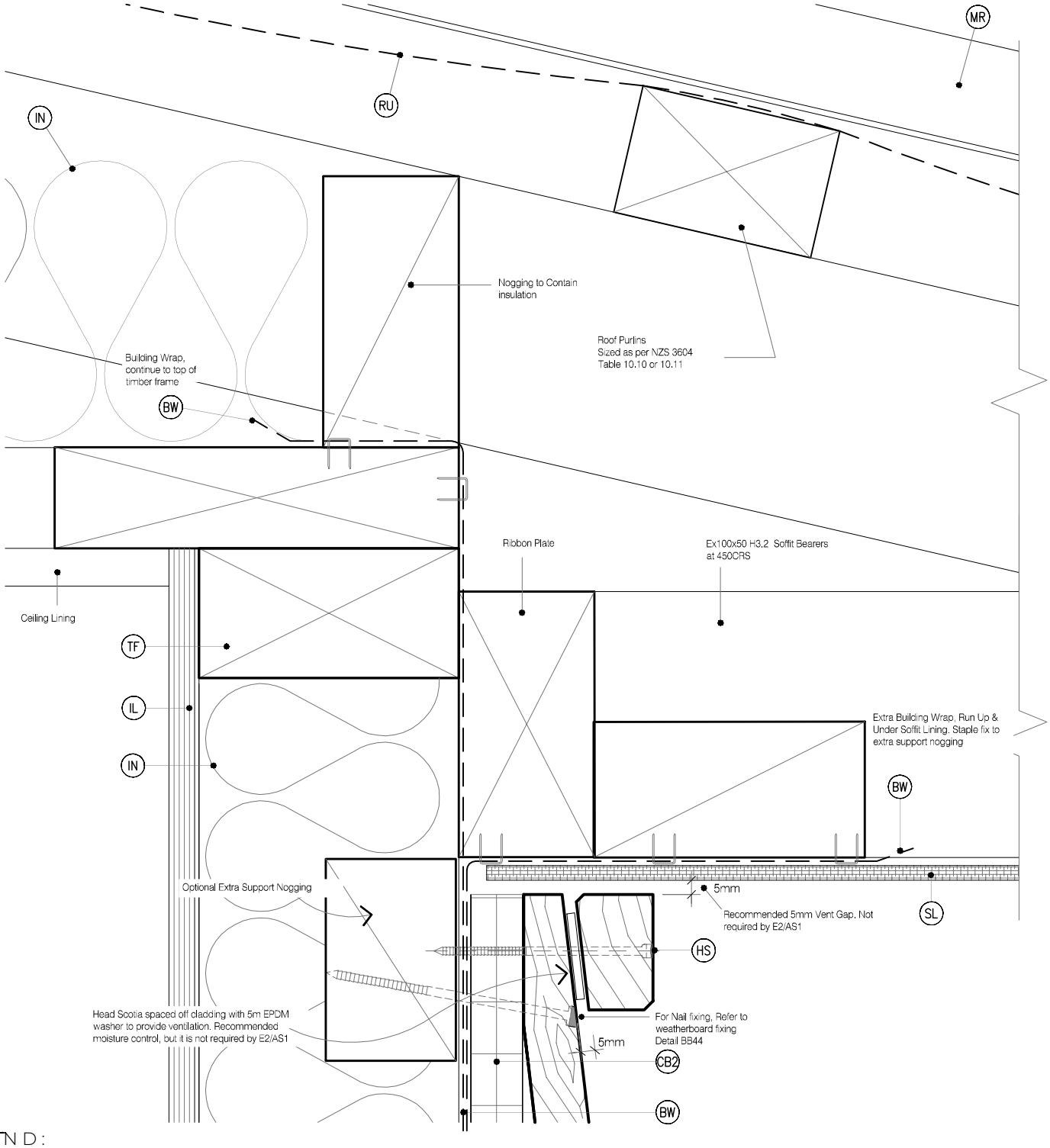


LEGEND:

- (AF) APRON FLASHING: Materials as per E2/AS1 4.0, Coating to match roofing material or refer E2/AS1 Table 21. Flashing Cover 130mm min. (L,M & H ≥ 10°) All others 200mm Refer Table 7 E2/AS1
- (BW) BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23, In extra high wind zones, Ridgid Underlay required (9.1.7.2 E2/AS1)
- (CC) CAVITY CLOSURE: Cavity closure strip, positioned to give a 15mm Min drip edge to cladding
- (IL) INTERNAL LINING: Selected Internal Lining
- (IN) INSULATION: Selected Insulation
- (CB2) CAVITY BATTEN, VERTICAL: 20mm x 45mm H3.1. To form a 20mm cavity.
- (CB3) CAVITY BATTEN, VERTICAL - STRUCTURALLY FIXED : 45mm x 45mm SPP Radiata Pine, H3.2 70mm x 45mm SPP Radiata Pine, H3.2 To form a 45mm cavity
- (HS) HEAD SOFFIT SCRIBER: Southern Pine Eaves Mould EM40x27. Fix with 75 x 3.15 316 SS nail in 2.5mm predrilled hole (spaced off cladding with 5mm EPDM washer to provide ventilation. Recommended moisture control, but not required by E2/AS1
- (MR) METAL ROOFING : Selected Metal Roofing
- (CS) CANT STRIP: Southern Pine H3.1 Cant Strip 25mm x 9 mm
- (SL) SOFFIT LINING: Selected Soffit Lining
- (TP) TIMBER PACKER: Cant Strip, H3.2 Treated at 300crs to allow ventilation over the top of the wall.
- (TF) TIMBER FRAME: H1.2 min treated timber framing
- (RU) ROOFING UNDERLAY: Selected Roofing Underlay As Per AS/AZS4200 with Mesh or Self Supported
- (WB) WEATHER BOARD: Southern Pine Bevel Back Weatherboard. Profile to NZS 3617

NOTE : Where 75x3.15 jolt head nails are referenced, these may be substituted for 75mm jolt head weatherboard screws

SOFIT DETAIL AT WALL

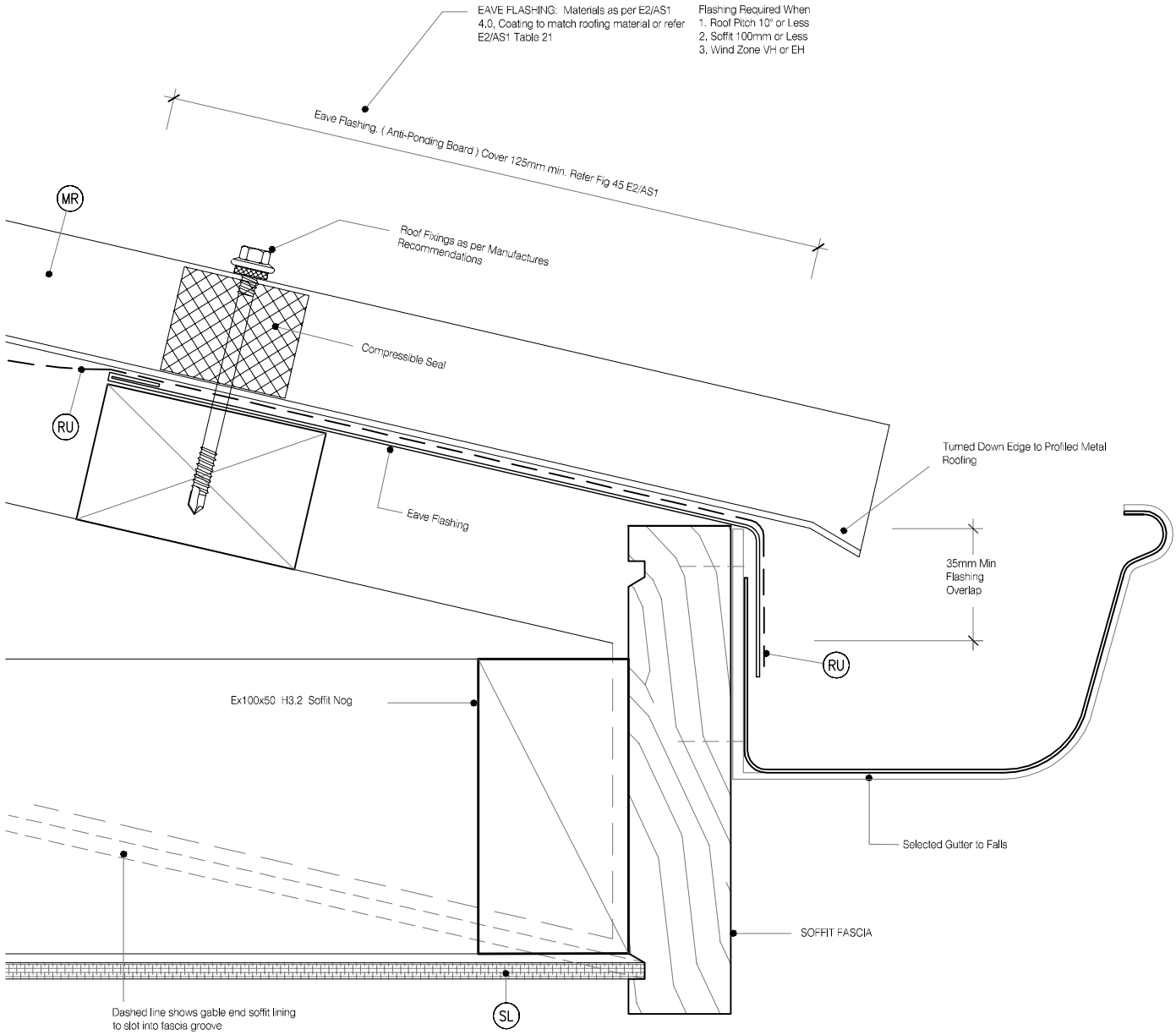


LEGEND:

- (AF) APRON FLASHING: Materials as per E2/AS1 4.0, Coating to match roofing material or refer E2/AS1 Table 21. Flashing Cover 130mm min. (L,M & H ≥ 10°) All others 200mm Refer Table 7 E2/AS1
- (BW) BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23, In extra high wind zones, Ridgid Underlay required (9.1.7.2 E2/AS1)
- (CC) CAVITY CLOSURE: Cavity closure strip, positioned to give a 15mm Min drip edge to cladding
- (IL) INTERNAL LINING: Selected Internal Lining
- (IN) INSULATION: Selected Insulation
- (CB2) CAVITY BATTEN, VERTICAL: 20mm x 45mm H3.1. To form a 20mm cavity.
- (CB3) CAVITY BATTEN, VERTICAL - STRUCTURALLY FIXED : 45mm x 45mm SPP Radiata Pine, H3.2 70mm x 45mm SPP Radiata Pine, H3.2 To form a 45mm cavity
- (HS) HEAD SOFFIT SCRIBER: Southern Pine Eaves Mould EM40x27. Fix with 75 x 3.15 316 SS nail in 2.5mm predrilled hole (spaced off cladding with 5mm EPDM washer to provide ventilation. Recommended moisture control, but not required by E2/AS1
- (MR) METAL ROOFING : Selected Metal Roofing
- (CS) CANT STRIP: Southern Pine H3.1 Cant Strip 25mm x 9 mm
- (SL) SOFFIT LINING: Selected Soffit Lining
- (TP) TIMBER PACKER: Cant Strip, H3.2 Treated at 300crs to allow ventilation over the top of the wall.
- (TF) TIMBER FRAME: H1.2 min treated timber framing
- (RU) ROOFING UNDERLAY: Selected Roofing Underlay As Per AS/AZS4200 with Mesh or Self Supported
- (WB) WEATHER BOARD: Southern Pine Bevel Back Weatherboard. Profile to NZS 3617

NOTE : Where 75x3.15 jolt head nails are referenced, these may be substituted for 75mm jolt head weatherboard screws

SOFIT DETAIL AT FASCIA

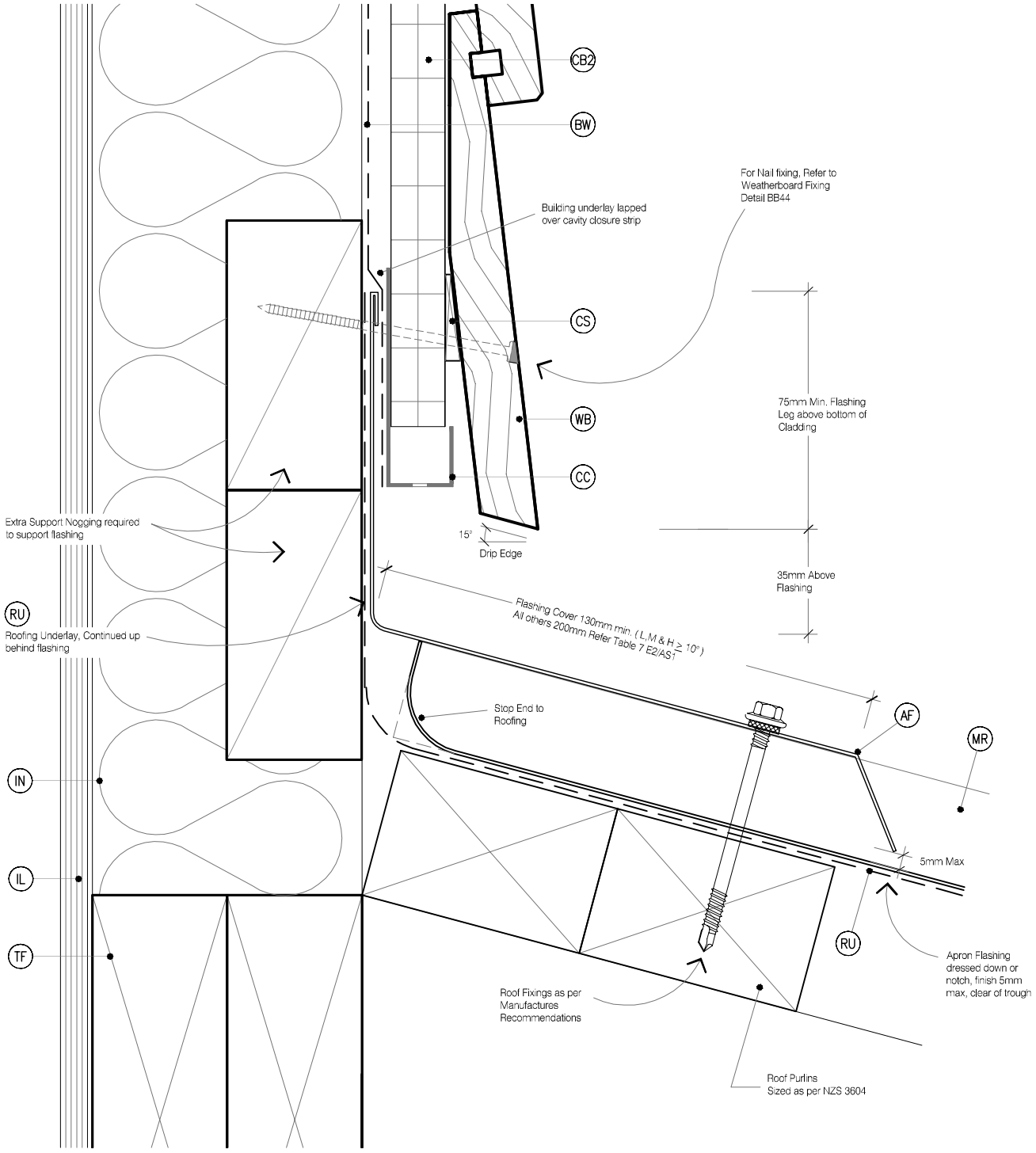


LEGEND:

- (AF) APRON FLASHING: Materials as per E2/AS1 4.0, Coating to match roofing material or refer E2/AS1 Table 21. Flashing Cover 130mm min. (L,M & H ≥ 10°) All others 200mm Refer Table 7 E2/AS1
- (BW) BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23, In extra high wind zones, Ridgid Underlay required (9.1.7.2 E2/AS1)
- (CC) CAVITY CLOSURE: Cavity closure strip, positioned to give a 15mm Min drip edge to cladding
- (IL) INTERNAL LINING: Selected Internal Lining
- (IN) INSULATION: Selected Insulation
- (CB2) CAVITY BATTEN, VERTICAL: 20mm x 45mm H3.1. To form a 20mm cavity.
- (CB3) CAVITY BATTEN, VERTICAL - STRUCTURALLY FIXED : 45mm x 45mm SPP Radiata Pine, H3.2 70mm x 45mm SPP Radiata Pine, H3.2 To form a 45mm cavity
- (HS) HEAD SOFFIT SCRIBER: Southern Pine Eaves Mould EM40x27. Fix with 75 x 3.15 316 SS nail in 2.5mm predrilled hole (spaced off cladding with 5mm EPDM washer to provide ventilation. Recommended moisture control, but not required by E2/AS1
- (MR) METAL ROOFING : Selected Metal Roofing
- (CS) CANT STRIP: Southern Pine H3.1 Cant Strip 25mm x 9 mm
- (SL) SOFFIT LINING: Selected Soffit Lining
- (TP) TIMBER PACKER: Cant Strip, H3.2 Treated at 300crs to allow ventilation over the top of the wall.
- (TF) TIMBER FRAME: H1.2 min treated timber framing
- (RU) ROOFING UNDERLAY: Selected Roofing Underlay As Per AS/AZS4200 with Mesh or Self Supported
- (WB) WEATHER BOARD: Southern Pine Bevel Back Weatherboard. Profile to NZS 3617

NOTE : Where 75x3.15 jolt head nails are referenced, these may be substituted for 75mm jolt head weatherboard screws

APRON FLASHING
ROOF TO WALL JUNCTION



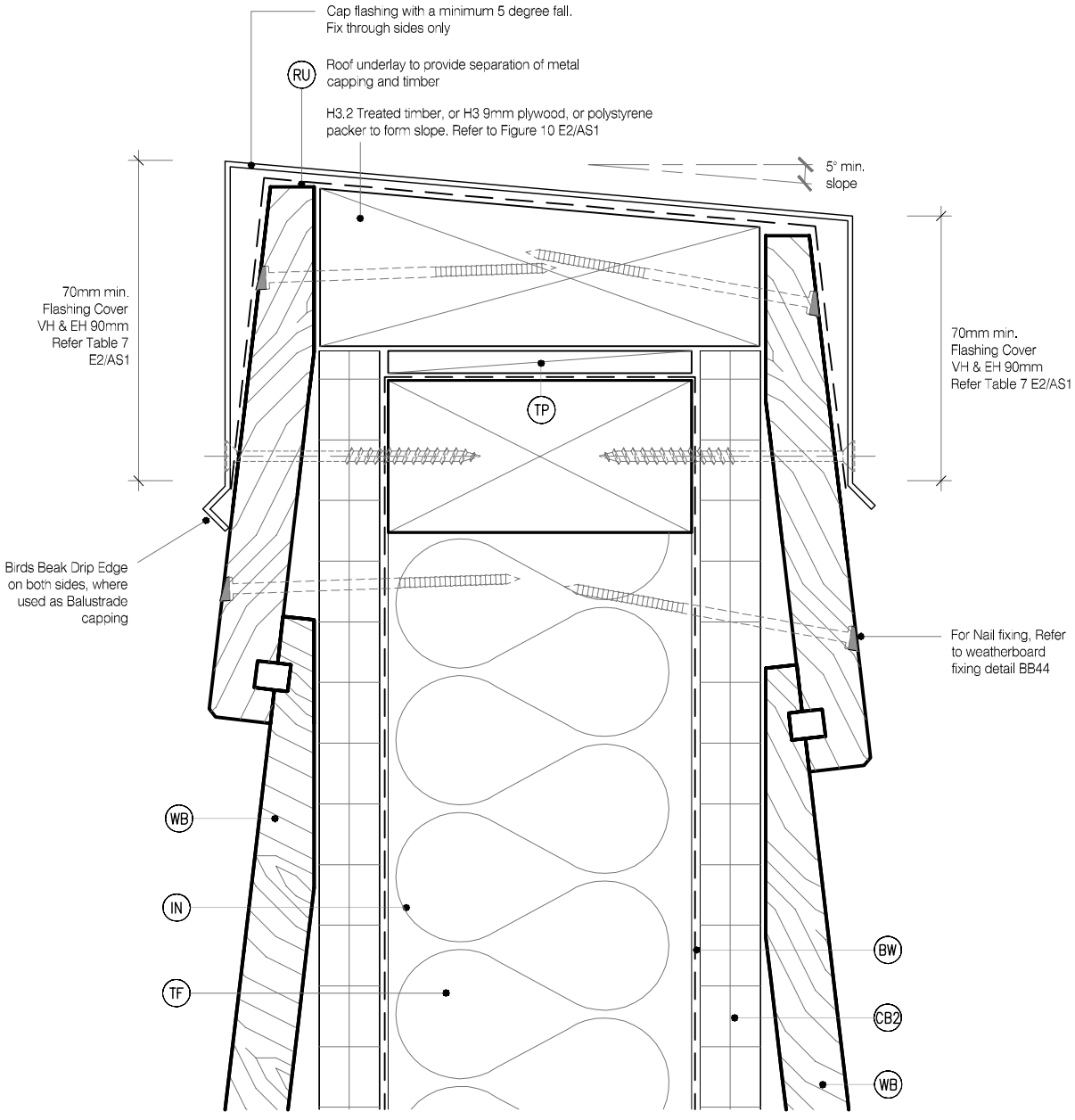
LEGEND:

- (AF) APRON FLASHING: Materials as per E2/AS1 4.0, Coating to match roofing material or refer E2/AS1 Table 21. Flashing Cover 130mm min. (L,M & H ≥ 10°) All others 200mm Refer Table 7 E2/AS1
- (BW) BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23, In extra high wind zones, Ridgid Underlay required (9.1.7.2 E2/AS1)
- (CC) CAVITY CLOSURE: Cavity closure strip, positioned to give a 15mm Min drip edge to cladding
- (IL) INTERNAL LINING: Selected Internal Lining
- (IN) INSULATION: Selected Insulation
- (CB2) CAVITY BATTEN, VERTICAL: 20mm x 45mm H3.1. To form a 20mm cavity.
- (CB3) CAVITY BATTEN, VERTICAL - STRUCTURALLY FIXED : 45mm x 45mm SPP Radiata Pine, H3.2 70mm x 45mm SPP Radiata Pine, H3.2 To form a 45mm cavity
- (HS) HEAD SOFFIT SCRIBER: Southern Pine Eaves Mould EM40x27. Fix with 75 x 3.15 316 SS nail in 2.5mm predrilled hole (spaced off cladding with 5mm EPDM washer to provide ventilation. Recommended moisture control, but not required by E2/AS1
- (MR) METAL ROOFING : Selected Metal Roofing
- (CS) CANT STRIP: Southern Pine H3.1 Cant Strip 25mm x 9 mm
- (SL) SOFFIT LINING: Selected Soffit Lining
- (TP) TIMBER PACKER: Cant Strip, H3.2 Treated at 300crs to allow ventilation over the top of the wall.
- (TF) TIMBER FRAME: H1.2 min treated timber framing
- (RU) ROOFING UNDERLAY: Selected Roofing Underlay As Per AS/AZS4200 with Mesh or Self Supported
- (WB) WEATHER BOARD: Southern Pine Bevel Back Weatherboard. Profile to NZS 3617

NOTE : Where 75x3.15 jolt head nails are referenced, these may be substituted for 75mm jolt head weatherboard screws

MANAHAU
BY SOUTHERN PINE

TYPICAL PARAPET CAPPING JOINT DETAILS

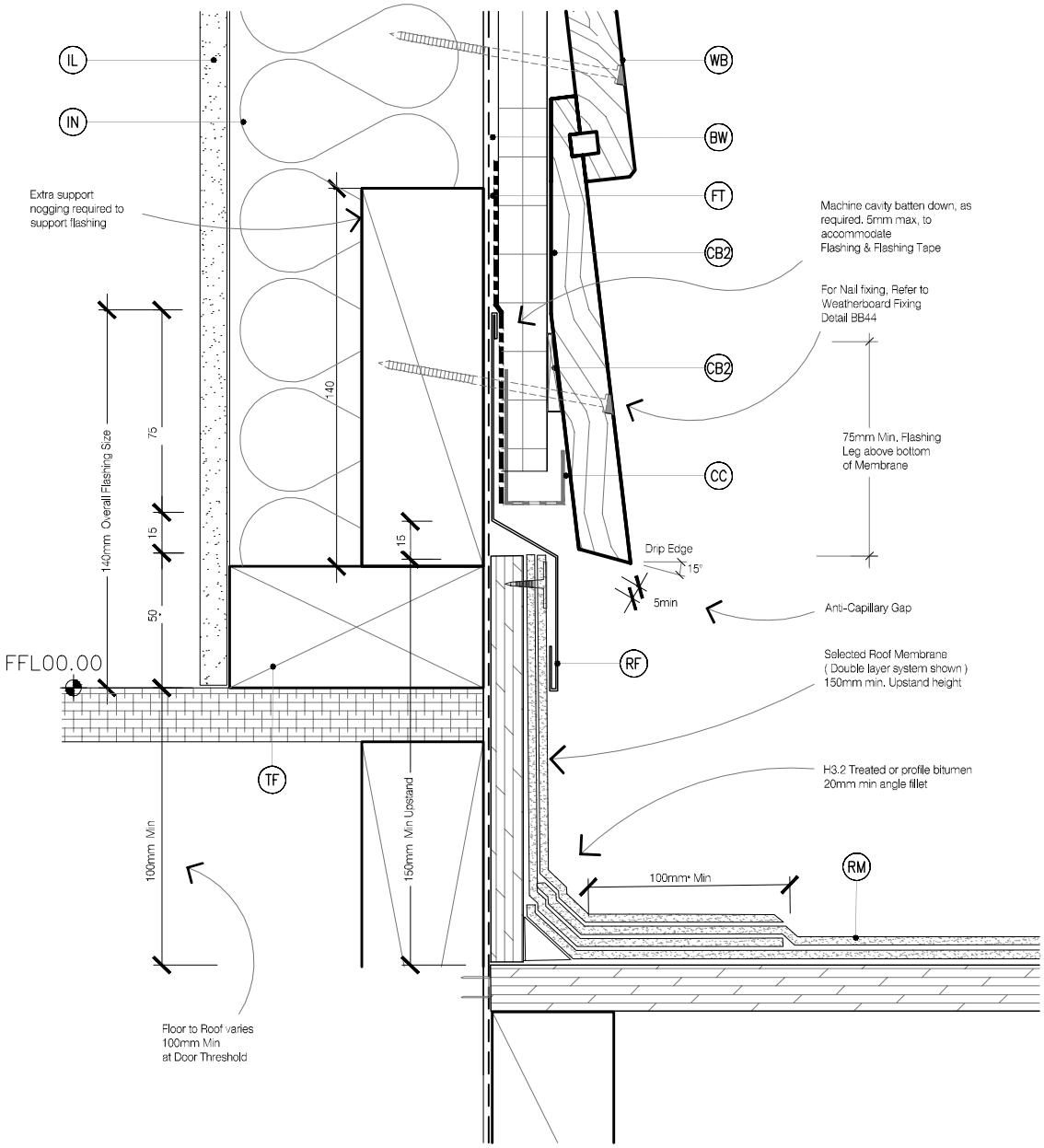


LEGEND:

- AF — APRON FLASHING: Materials as per E2/AS1 4.0, Coating to match roofing material or refer E2/AS1 Table 21. Flashing Cover 130mm min. (L,M & H ≥ 10°) All others 200mm Refer Table 7 E2/AS1
- BW — BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23, In extra high wind zones, Ridgid Underlay required (9.1.7.2 E2/AS1)
- CC — CAVITY CLOSURE: Cavity closure strip, positioned to give a 15mm Min drip edge to cladding
- IL — INTERNAL LINING: Selected Internal Lining
- IN — INSULATION: Selected Insulation
- CB2 — CAVITY BATTEN, VERTICAL: 20mm x 45mm H3.1. To form a 20mm cavity.
- CB3 — CAVITY BATTEN, VERTICAL - STRUCTURALLY FIXED : 45mm x 45mm SPP Radiata Pine, H3.2 70mm x 45mm SPP Radiata Pine, H3.2 To form a 45mm cavity
- HS — HEAD SOFFIT SCRIBER: Southern Pine Eaves Mould EM40x27. Fix with 75 x 3.15 316 SS nail in 2.5mm predrilled hole (spaced off cladding with 5mm EPDM washer to provide ventilation. Recommended moisture control, but not required by E2/AS1
- MR — METAL ROOFING : Selected Metal Roofing
- CS — CANT STRIP: Southern Pine H3.1 Cant Strip 25mm x 9 mm
- SL — SOFFIT LINING: Selected Soffit Lining
- TP — TIMBER PACKER: Cant Strip, H3.2 Treated at 300crs to allow ventilation over the top of the wall.
- TF — TIMBER FRAME: H1.2 min treated timber framing
- RU — ROOFING UNDERLAY: Selected Roofing Underlay As Per AS/AZS4200 with Mesh or Self Supported
- WB — WEATHER BOARD: Southern Pine Bevel Back Weatherboard. Profile to NZS 3617

NOTE : Where 75x3.15 jolt head nails are referenced, these may be substituted for 75mm jolt head weatherboard screws

BASE OF WALL, MEMBRANE ROOF



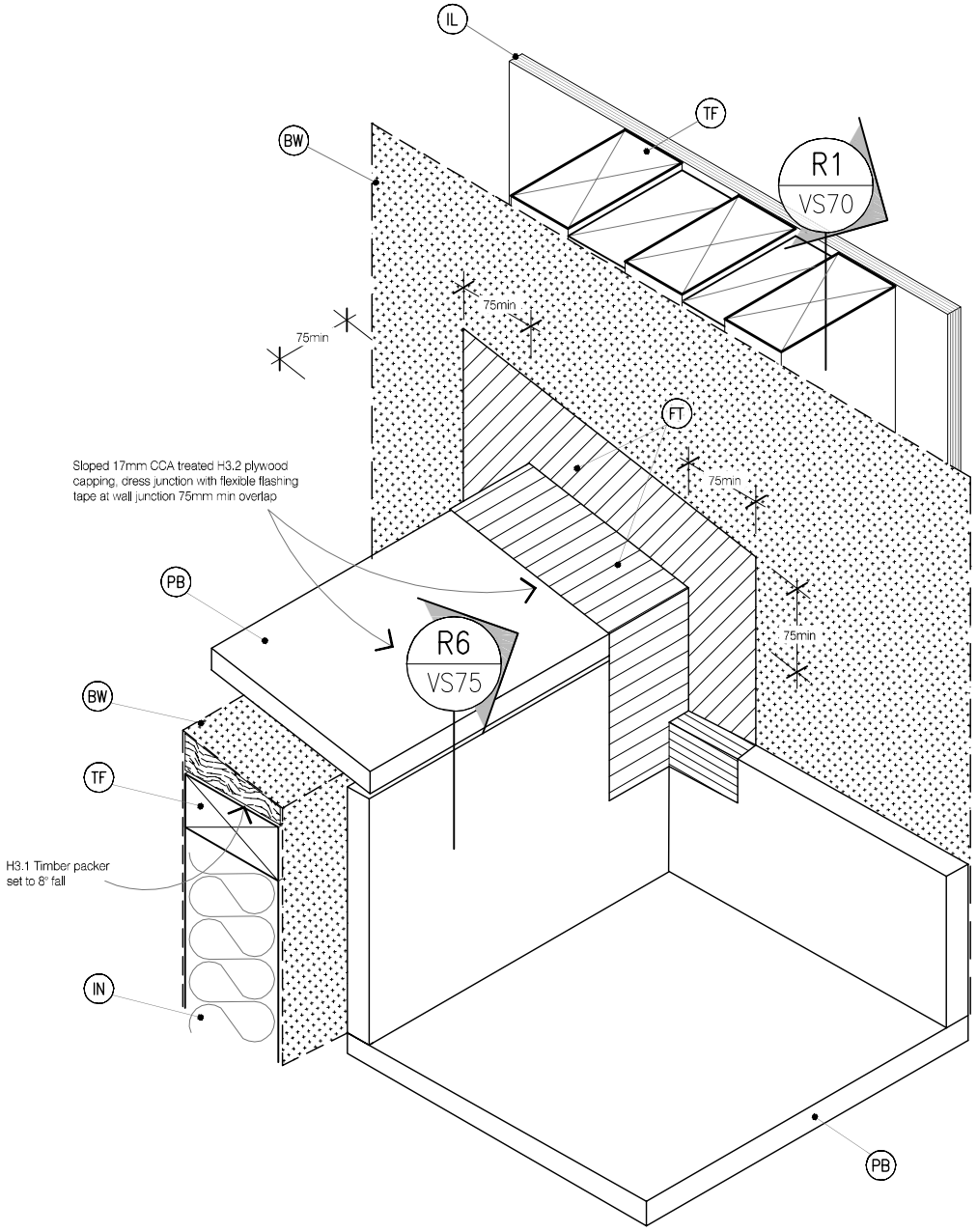
LEGEND:

- (PSF) PARAPET SADDLE FLASHING: Materials as per E2/AS1 4.0, refer E2/AS1 Figure 11 & 12 . Typically 0.45mm Min 316 Stainless Steel. Refer Table 20 & Table 21 for Comparability of Materials in Contact
- (BW) BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23, In extra high wind zones, Ridgid Underlay required (9.1.7.2 E2/AS1)
- (FT) FLASHING TAPE: As per E2/AS1 4.3.11
- (CC) CAVITY CLOSURE: Cavity closure strip, positioned to give a 15mm Min drip edge to cladding
- (IL) INTERNAL LINING: Selected Internal Lining
- (CB2) CAVITY BATTEN, VERTICAL: 20mm x 45mm H3.1. To form a 20mm cavity.
- (CB3) CAVITY BATTEN, VERTICAL - STRUCTURALLY FIXED : 45mm x 45mm SPP Radiata Pine, H3.2 70mm x 45mm SPP Radiata Pine, H3.2 To form a 45mm cavity
- (RM) ROOFING MEMBRANE: Selected System on 17mm CCA treated H3.2 grade plywood glued and screwed to Rafters. Roof Membrane requires 400mm solid block support each way & solid support to all sheet edges
- (IN) INSULATION: Selected Insulation
- (RF) ROOF FLASHING: Materials as per E2/AS1 4.3
- (PB) PLYWOOD BACKING: 17mm CCA treated H3.2 grade plywood substrate
- (CF) CAP FLASHING: Continuous parapet flashing. Materials as per E2/AS1 4.3 + Figure 9 & Table 7
- (TF) TIMBER FRAME: H1.2 min treated timber framing
- (WB) WEATHER BOARD: Southern Pine Bevel Back Weatherboard. Profile to NZS 3617

NOTE : Where 75x3.15 jolt head nails are referenced, these may be substituted for 75mm jolt head weatherboard screws

MANAHAU
BY SOUTHERN PINE

BACK TO ROOF MEMBRANE SADDLE FLASHING STAGE ONE

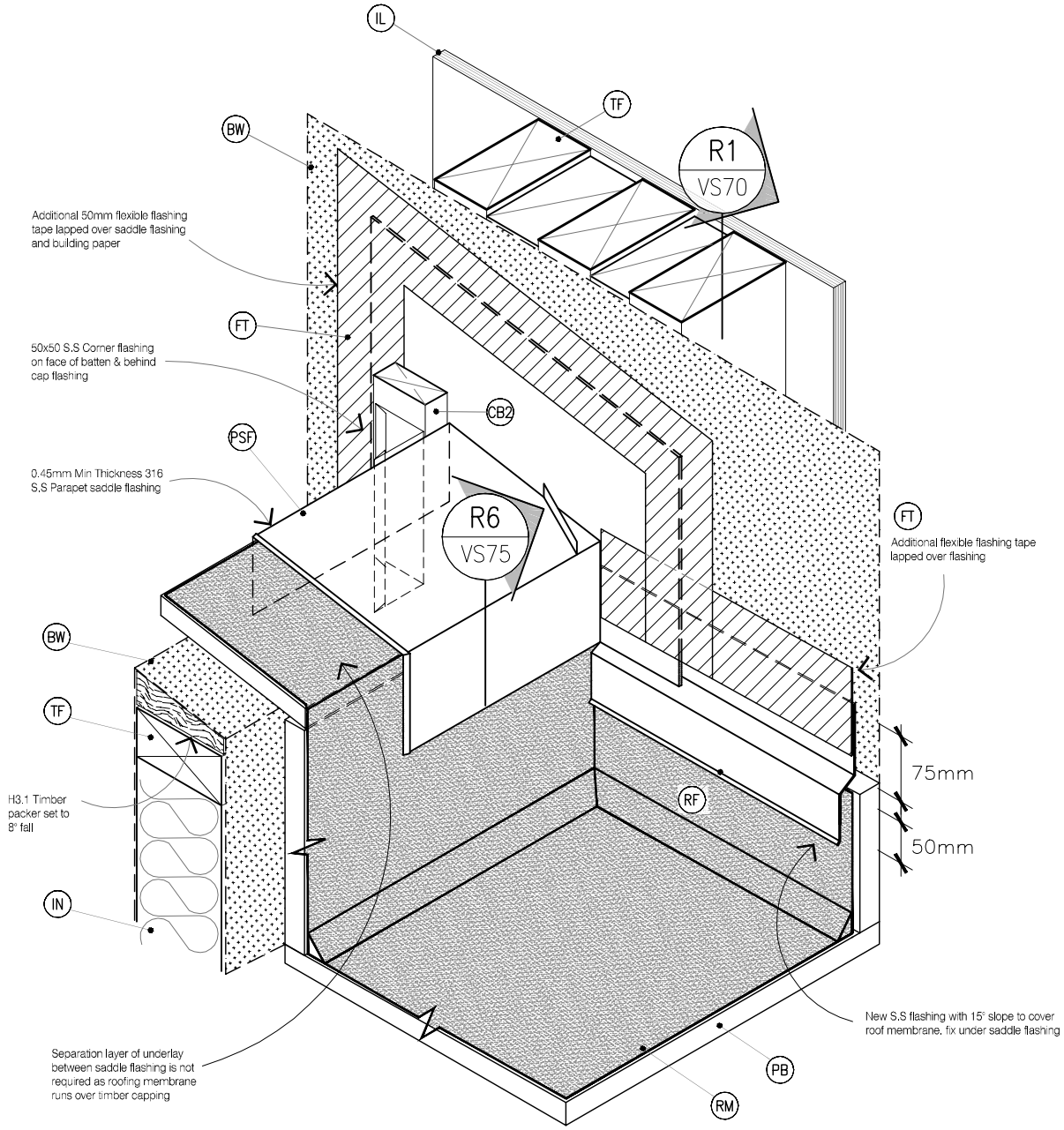


LEGEND:

- PSF — PARAPET SADDLE FLASHING: Materials as per E2/AS1 4.0, refer E2/AS1 Figure 11 & 12 . Typically 0.45mm Min 316 Stainless Steel. Refer Table 20 & Table 21 for Comparability of Materials in Contact
- BW — BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23, In extra high wind zones, Ridgid Underlay required (9.1.7.2 E2/AS1)
- FT — FLASHING TAPE: As per E2/AS1 4.3.11
- CC — CAVITY CLOSURE: Cavity closure strip, positioned to give a 15mm Min drip edge to cladding
- IL — INTERNAL LINING: Selected Internal Lining
- CB2 — CAVITY BATTEN, VERTICAL: 20mm x 45mm H3.1. To form a 20mm cavity.
- CB3 — CAVITY BATTEN, VERTICAL - STRUCTURALLY FIXED : 45mm x 45mm SPP Radiata Pine, H3.2 70mm x 45mm SPP Radiata Pine, H3.2 To form a 45mm cavity
- RM — ROOFING MEMBRANE: Selected System on 17mm CCA treated H3.2 grade plywood glued and screwed to Rafters. Roof Membrane requires 400mm solid block support each way & solid support to all sheet edges
- IN — INSULATION: Selected Insulation
- RF — ROOF FLASHING: Materials as per E2/AS1 4.3
- PB — PLYWOOD BACKING: 17mm CCA treated H3.2 grade plywood substrate
- CF — CAP FLASHING: Continuous parapet flashing. Materials as per E2/AS1 4.3 + Figure 9 & Table 7
- TF — TIMBER FRAME: H1.2 min treated timber framing
- WB — WEATHER BOARD: Southern Pine Bevel Back Weatherboard. Profile to NZS 3617

NOTE : Where 75x3.15 jolt head nails are referenced, these may be substituted for 75mm jolt head weatherboard screws

DECK TO ROOF MEMBRANE SADDLE FLASHING STAGE TWO



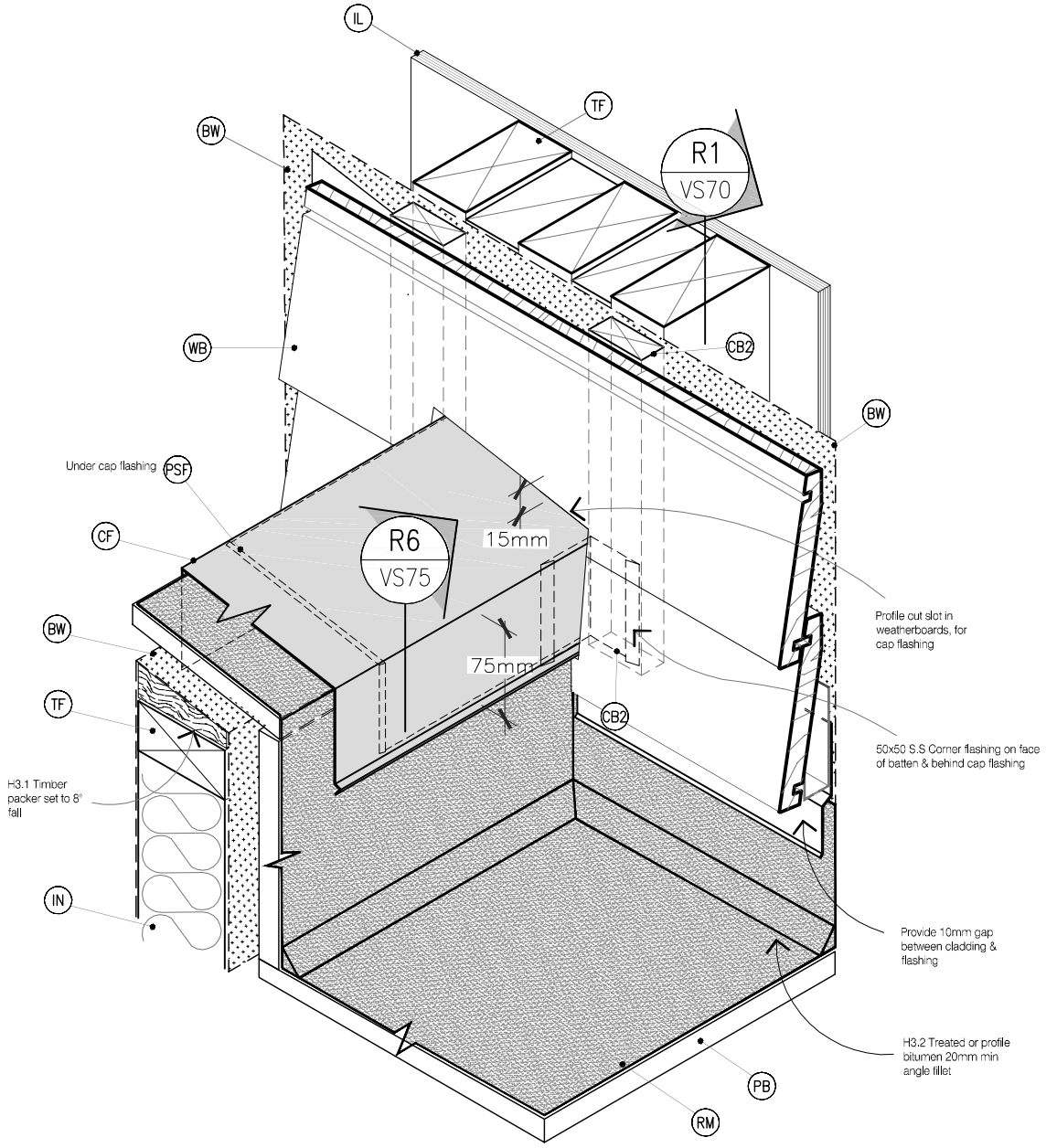
STAGE TWO

LEGEND:

- (PSF) PARAPET SADDLE FLASHING: Materials as per E2/AS1 4.0, refer E2/AS1 Figure 11 & 12 . Typically 0.45mm Min 316 Stainless Steel. Refer Table 20 & Table 21 for Comparability of Materials in Contact
- (BW) BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23, In extra high wind zones, Ridgid Underlay required (9.1.7.2 E2/AS1)
- (FT) FLASHING TAPE: As per E2/AS1 4.3.11
- (CC) CAVITY CLOSURE: Cavity closure strip, positioned to give a 15mm Min drip edge to cladding
- (IL) INTERNAL LINING: Selected Internal Lining
- (CB2) CAVITY BATTEN, VERTICAL: 20mm x 45mm H3.1. To form a 20mm cavity.
- (CB3) CAVITY BATTEN, VERTICAL - STRUCTURALLY FIXED : 45mm x 45mm SPP Radiata Pine, H3.2 70mm x 45mm SPP Radiata Pine, H3.2 To form a 45mm cavity
- (RM) ROOFING MEMBRANE: Selected System on 17mm CCA treated H3.2 grade plywood glued and screwed to Rafters. Roof Membrane requires 400mm solid block support each way & solid support to all sheet edges
- (IN) INSULATION: Selected Insulation
- (RF) ROOF FLASHING: Materials as per E2/AS1 4.3
- (PB) PLYWOOD BACKING: 17mm CCA treated H3.2 grade plywood substrate
- (CF) CAP FLASHING: Continuous parapet flashing. Materials as per E2/AS1 4.3 + Figure 9 & Table 7
- (TF) TIMBER FRAME: H1.2 min treated timber framing
- (WB) WEATHER BOARD: Southern Pine Bevel Back Weatherboard. Profile to NZS 3617

NOTE : Where 75x3.15 jolt head nails are referenced, these may be substituted for 75mm jolt head weatherboard screws

DECK TO ROOF MEMBRANE SADDLE FLASHING STAGE THREE



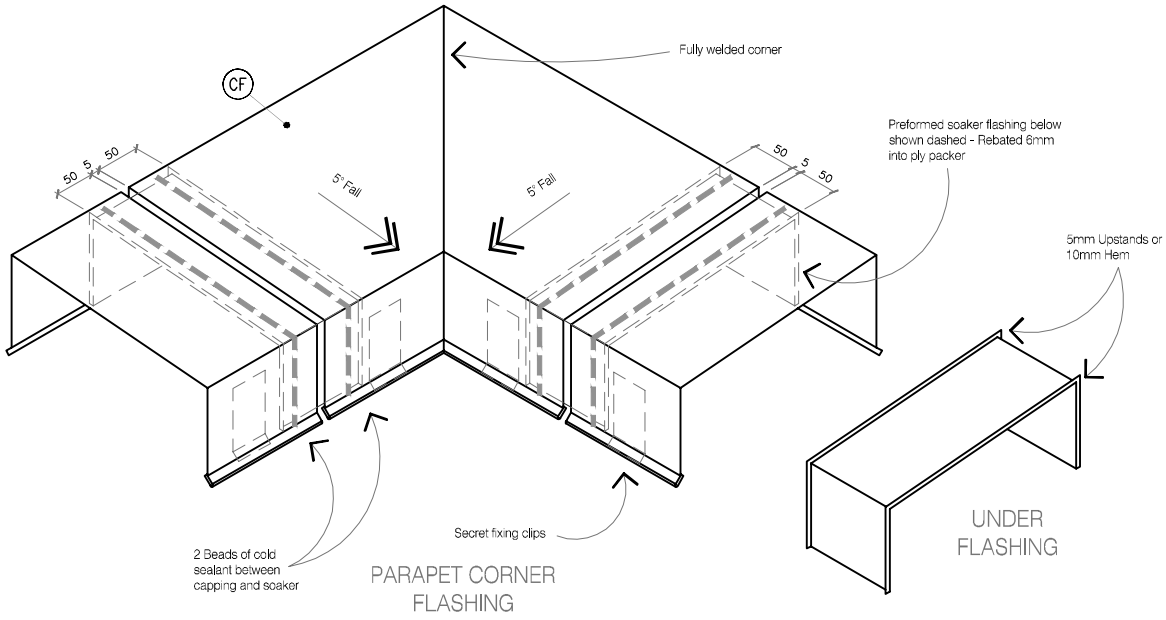
STAGE THREE

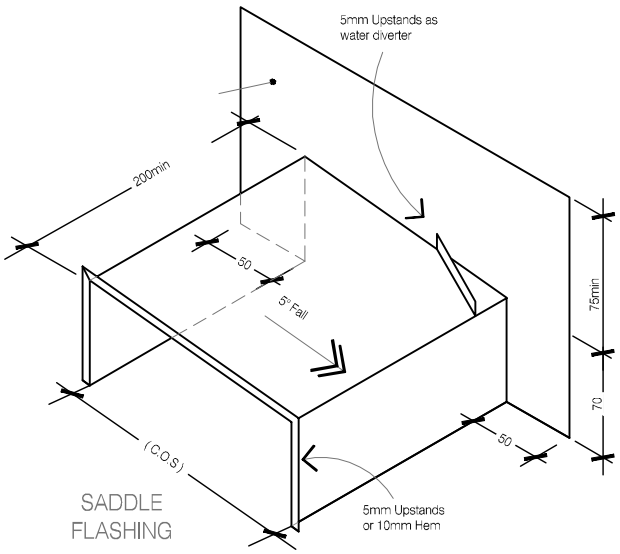
LEGEND:

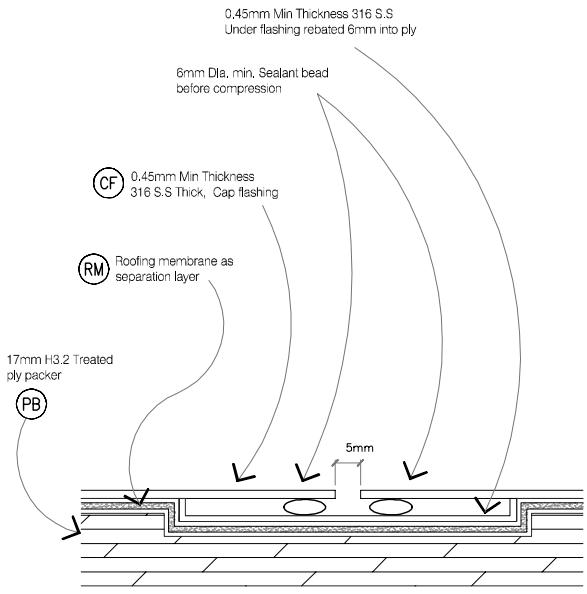
- (PSF) PARAPET SADDLE FLASHING: Materials as per E2/AS1 4.0, refer E2/AS1 Figure 11 & 12 . Typically 0.45mm Min 316 Stainless Steel. Refer Table 20 & Table 21 for Comparability of Materials in Contact
- (BW) BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23, In extra high wind zones, Ridgid Underlay required (9.1.7.2 E2/AS1)
- (FT) FLASHING TAPE: As per E2/AS1 4.3.11
- (CC) CAVITY CLOSURE: Cavity closure strip, positioned to give a 15mm Min drip edge to cladding
- (IL) INTERNAL LINING: Selected Internal Lining
- (CB2) CAVITY BATTEN, VERTICAL: 20mm x 45mm H3.1. To form a 20mm cavity.
- (CB3) CAVITY BATTEN, VERTICAL - STRUCTURALLY FIXED : 45mm x 45mm SPP Radiata Pine, H3.2 70mm x 45mm SPP Radiata Pine, H3.2 To form a 45mm cavity
- (RM) ROOFING MEMBRANE: Selected System on 17mm CCA treated H3.2 grade plywood glued and screwed to Rafters. Roof Membrane requires 400mm solid block support each way & solid support to all sheet edges
- (IN) INSULATION: Selected Insulation
- (RF) ROOF FLASHING: Materials as per E2/AS1 4.3
- (PB) PLYWOOD BACKING: 17mm CCA treated H3.2 grade plywood substrate
- (CF) CAP FLASHING: Continuous parapet flashing. Materials as per E2/AS1 4.3 + Figure 9 & Table 7
- (TF) TIMBER FRAME: H1.2 min treated timber framing
- (WB) WEATHER BOARD: Southern Pine Bevel Back Weatherboard. Profile to NZS 3617

NOTE : Where 75x3.15 jolt head nails are referenced, these may be substituted for 75mm jolt head weatherboard screws

TYPICAL PARAPET CAPPING JOINT DETAILS







LEGEND:

- (PSF) PARAPET SADDLE FLASHING: Materials as per E2/AS1 4.0, refer E2/AS1 Figure 11 & 12 . Typically 0.45mm Min 316 Stainless Steel. Refer Table 20 & Table 21 for Comparability of Materials in Contact
- (BW) BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23, In extra high wind zones, Ridgid Underlay required (9.1.7.2 E2/AS1)
- (FT) FLASHING TAPE: As per E2/AS1 4.3.11
- (CC) CAVITY CLOSURE: Cavity closure strip, positioned to give a 15mm Min drip edge to cladding
- (IL) INTERNAL LINING: Selected Internal Lining
- (CB2) CAVITY BATTEN, VERTICAL: 20mm x 45mm H3.1. To form a 20mm cavity.
- (CB3) CAVITY BATTEN, VERTICAL - STRUCTURALLY FIXED : 45mm x 45mm SPP Radiata Pine, H3.2 70mm x 45mm SPP Radiata Pine, H3.2 To form a 45mm cavity
- (RM) ROOFING MEMBRANE: Selected System on 17mm CCA treated H3.2 grade plywood glued and screwed to Rafters. Roof Membrane requires 400mm solid block support each way & solid support to all sheet edges
- (IN) INSULATION: Selected Insulation
- (RF) ROOF FLASHING: Materials as per E2/AS1 4.3
- (PB) PLYWOOD BACKING: 17mm CCA treated H3.2 grade plywood substrate
- (CF) CAP FLASHING: Continuous parapet flashing. Materials as per E2/AS1 4.3 + Figure 9 & Table 7
- (TF) TIMBER FRAME: H1.2 min treated timber framing
- (WB) WEATHER BOARD: Southern Pine Bevel Back Weatherboard. Profile to NZS 3617

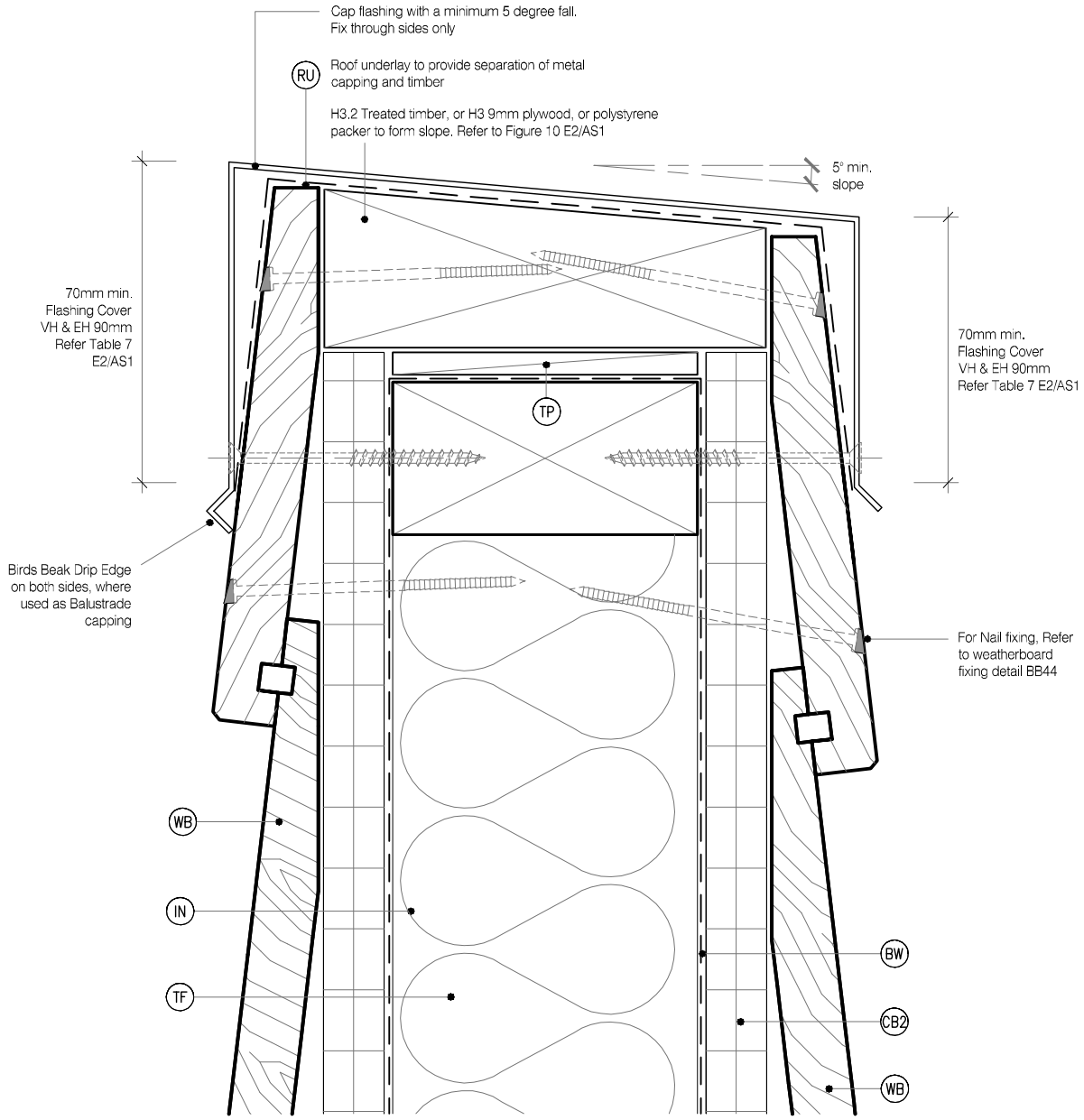
NOTE : Where 75x3.15 jolt head nails are referenced, these may be substituted for 75mm jolt head weatherboard screws

PARAPET SECTION TO MEMBRANE ROOF

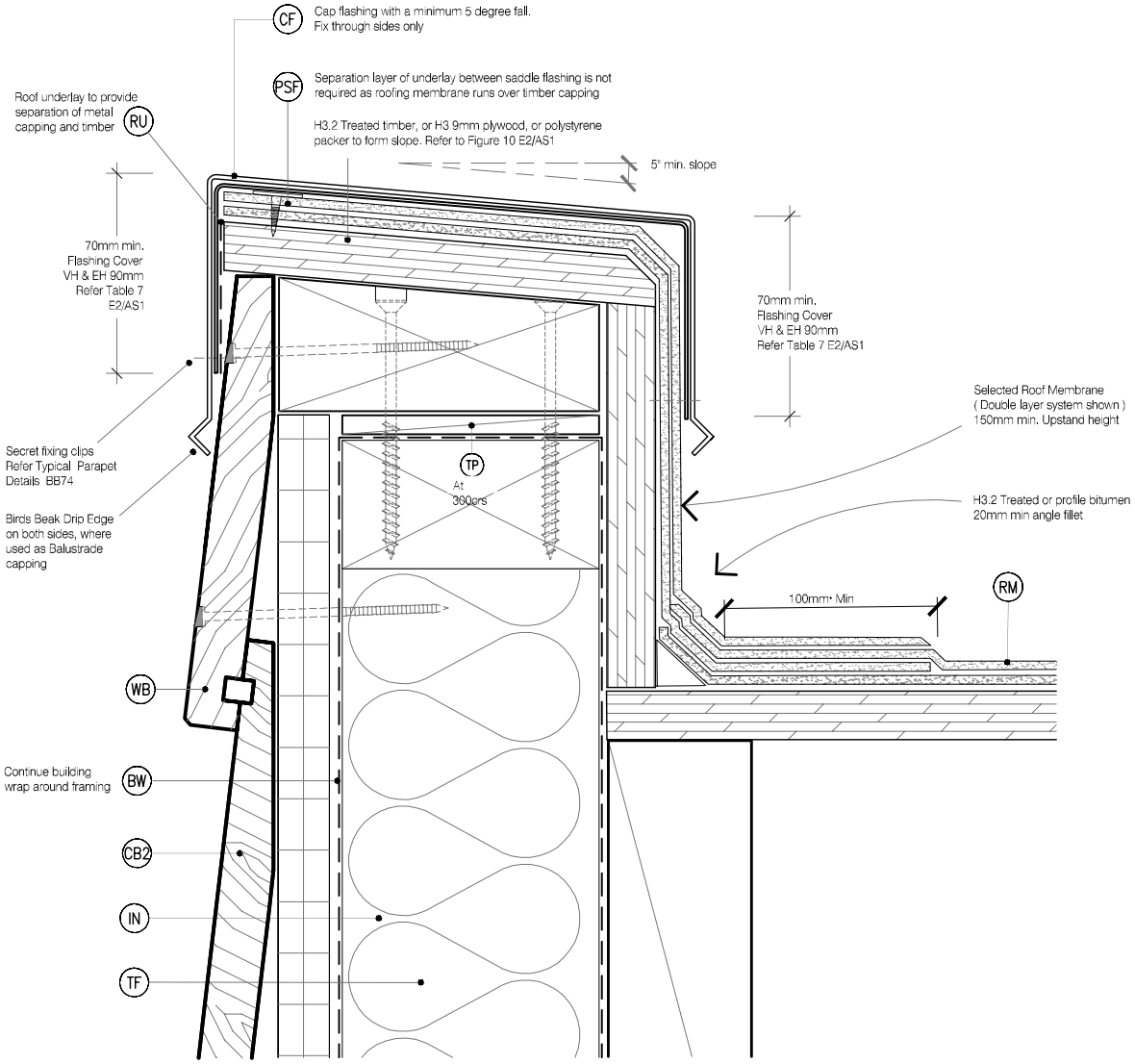
LEGEND :

- (AF) APRON FLASHING: Materials as per E2/AS1 4.0, Coating to match roofing material or refer E2/AS1 Table 21. Flashing Cover 130mm min. (L,M & H ≥ 10°) All others 200mm Refer Table 7 E2/AS1
- (BW) BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23, In extra high wind zones, Ridgid Underlay required (9.1.7.2 E2/AS1)
- (CC) CAVITY CLOSURE: Cavity closure strip, positioned to give a 15mm Min drip edge to cladding
- (IL) INTERNAL LINING: Selected Internal Lining
- (IN) INSULATION: Selected Insulation
- (CB2) CAVITY BATTEN, VERTICAL: 20mm x 45mm H3.1. To form a 20mm cavity.
- (CB3) CAVITY BATTEN, VERTICAL - STRUCTURALLY FIXED : 45mm x 45mm SPP Radiata Pine, H3.2 70mm x 45mm SPP Radiata Pine, H3.2 To form a 45mm cavity
- (HS) HEAD SOFFIT SCRIBER: Southern Pine Eaves Mould EM40x27. Fix with 75 x 3.15 316 SS nail in 2.5mm predrilled hole (spaced off cladding with 5mm EPDM washer to provide ventilation. Recommended moisture control, but not required by E2/AS1
- (MR) METAL ROOFING : Selected Metal Roofing
- (CS) CANT STRIP: Southern Pine H3.1 Cant Strip 25mm x 9 mm
- (SL) SOFFIT LINING: Selected Soffit Lining
- (TP) TIMBER PACKER: Cant Strip, H3.2 Treated at 300crs to allow ventilation over the top of the wall.
- (TF) TIMBER FRAME: H1.2 min treated timber framing
- (RU) ROOFING UNDERLAY: Selected Roofing Underlay As Per AS/AZS4200 with Mesh or Self Supported
- (WB) WEATHER BOARD: Southern Pine Bevel Back Weatherboard. Profile to NZS 3617

NOTE : Where 75x3.15 jolt head nails are referenced, these may be substituted for 75mm jolt head weatherboard screws



PARAPET SECTION TO MEMBRANE ROOF

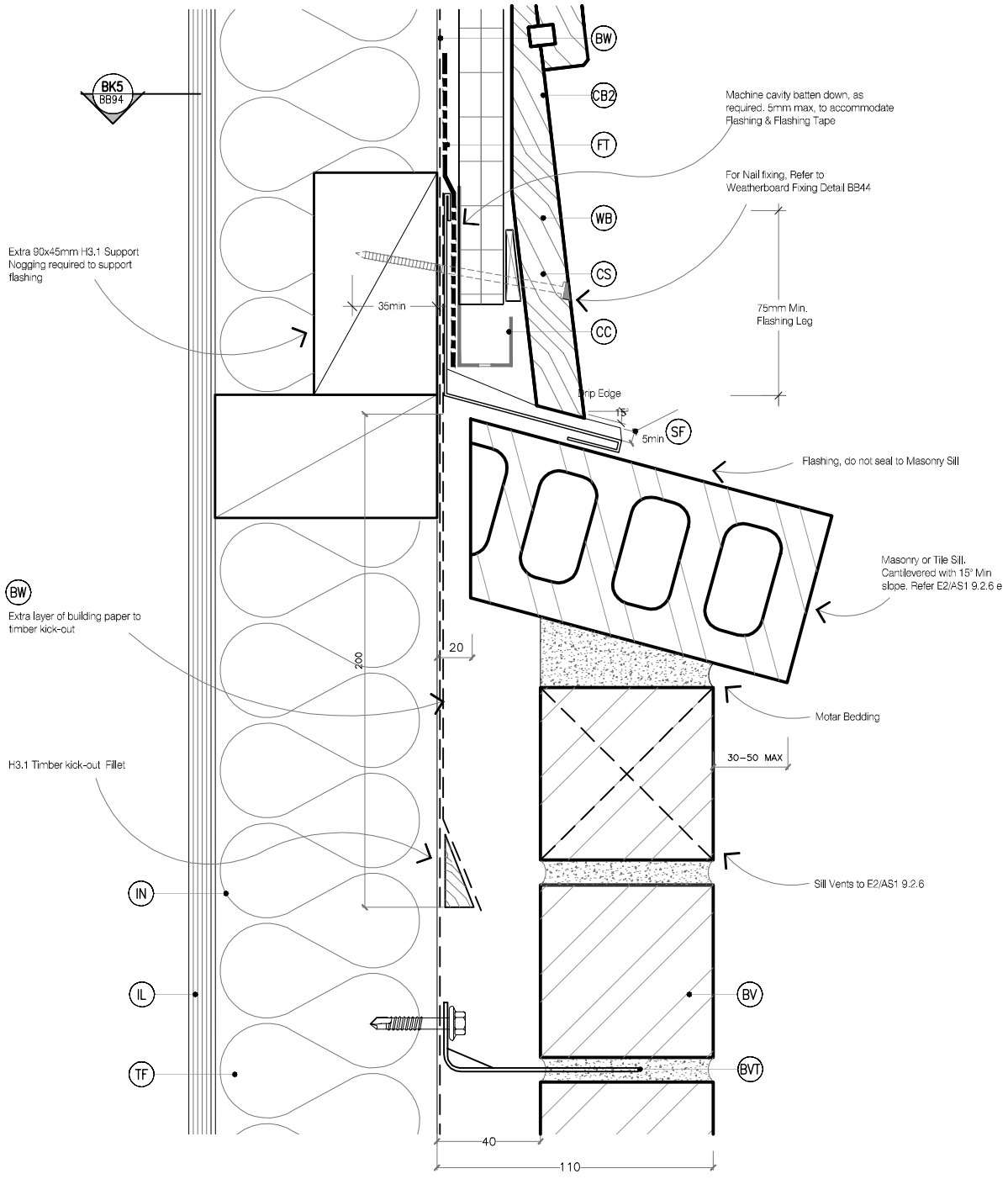


LEGEND:

- PSF — PARAPET SADDLE FLASHING: Materials as per E2/AS1 4.0, refer E2/AS1 Figure 11 & 12 . Typically 0.45mm Min 316 Stainless Steel. Refer Table 20 & Table 21 for Comparability of Materials in Contact
- BW — BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23, In extra high wind zones, Ridgid Underlay required (9.1.7.2 E2/AS1)
- FT — FLASHING TAPE: As per E2/AS1 4.3.11
- CC — CAVITY CLOSURE: Cavity closure strip, positioned to give a 15mm Min drip edge to cladding
- IL — INTERNAL LINING: Selected Internal Lining
- CB2 — CAVITY BATTEN, VERTICAL: 20mm x 45mm H3.1. To form a 20mm cavity.
- CB3 — CAVITY BATTEN, VERTICAL - STRUCTURALLY FIXED : 45mm x 45mm SPP Radiata Pine, H3.2 70mm x 45mm SPP Radiata Pine, H3.2 To form a 45mm cavity
- RM — ROOFING MEMBRANE: Selected System on 17mm CCA treated H3.2 grade plywood glued and screwed to Rafters. Roof Membrane requires 400mm solid block support each way & solid support to all sheet edges
- IN — INSULATION: Selected Insulation
- RF — ROOF FLASHING: Materials as per E2/AS1 4.3
- PB — PLYWOOD BACKING: 17mm CCA treated H3.2 grade plywood substrate
- CF — CAP FLASHING: Continuous parapet flashing. Materials as per E2/AS1 4.3 + Figure 9 & Table 7
- TF — TIMBER FRAME: H1.2 min treated timber framing
- WB — WEATHER BOARD: Southern Pine Bevel Back Weatherboard. Profile to NZS 3617

NOTE : Where 75x3.15 jolt head nails are referenced, these may be substituted for 75mm jolt head weatherboard screws

HALF WALL SILL WEATHERBOARD TO BRICK



LEGEND:

- (SF) SILL FLASHING: Continuous flashing on 15° min slope with turn back ends at end of walls. Materials as per E2/AS1 4.0 Typically 0.45mm Min 316 Stainless Steel.
- (BW) BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23, In extra high wind zones, Ridgid Underlay required (9.1.7.2 E2/AS1)
- (BV) BRICK VENEER: Selected brick veneer. Typically 70 series clay brick veneer on 40mm cavity
- (FT) FLASHING TAPE: As per E2/AS1 4.3.11
- (BVT) BRICK VENEER TIES: Stainless Steel brick Veneer ties screw fixed to framing - spacing NZS4210, ties to be within 300mm of internal or external corner
- (CB2) CAVITY BATTEN, VERTICAL: 20mm x 45mm H3.1. To form a 20mm cavity.
- (CB3) CAVITY BATTEN, VERTICAL - STRUCTURALLY FIXED : 45mm x 45mm SPP Radiata Pine, H3.2 70mm x 45mm SPP Radiata Pine, H3.2 To form a 45mm cavity
- (CC) CAVITY CLOSURE: Cavity closure strip, positioned to give a 15mm Min drip edge to cladding
- (CF) CORNER FLASHING: 316 Stainless Steel corner flashing. Refer NZBC E2/AS1 4.3. 75x75 Hem or Hook to Flashing Edges. EXTRA HIGH WIND ZONE 100x100 Hem or Hook to Flashing Edges
- (IL) INTERNAL LINING: Selected Internal Lining
- (IN) INSULATION: Selected Insulation
- (TF) TIMBER FRAME: H1.2 min treated timber framing
- (WB) WEATHER BOARD: Southern Pine Bevel Back Weatherboard. Profile to NZS 3617
- (FF) FLAT FLASHING: 316 Stainless Steel 100mm Hem or Hook to Flashing Edges. EXTRA HIGH WIND ZONE 150mm Hem or Hook to Flashing Edges
- (CS) CANT STRIP: Southern Pine H3.1 Cant Strip 25mm x 9 mm

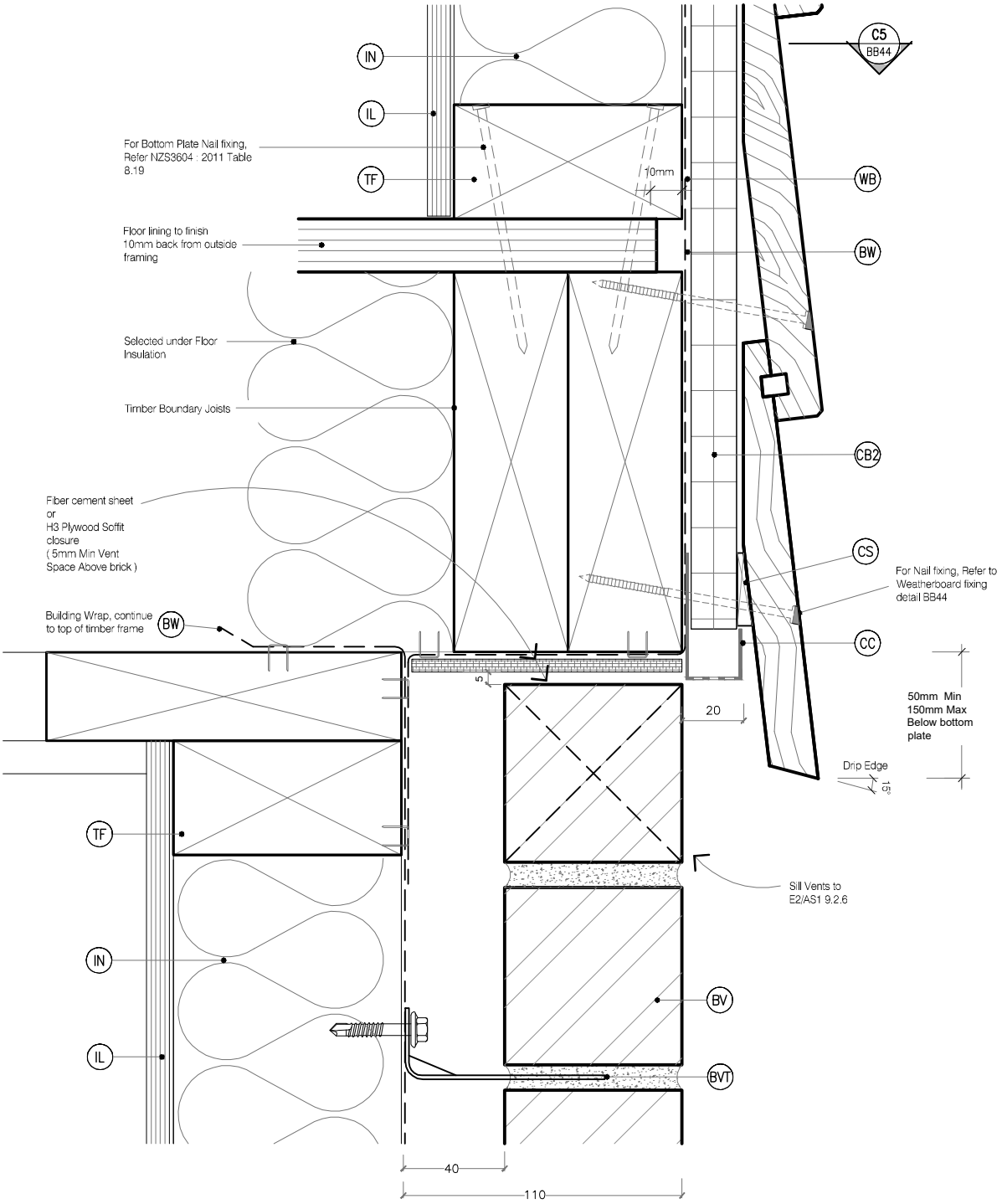
NOTE : Where 75x3.15 jolt head nails are referenced, these may be substituted for 75mm jolt head weatherboard screws

CANTILEVER FLOOR BRICK TO WEATHERBOARD

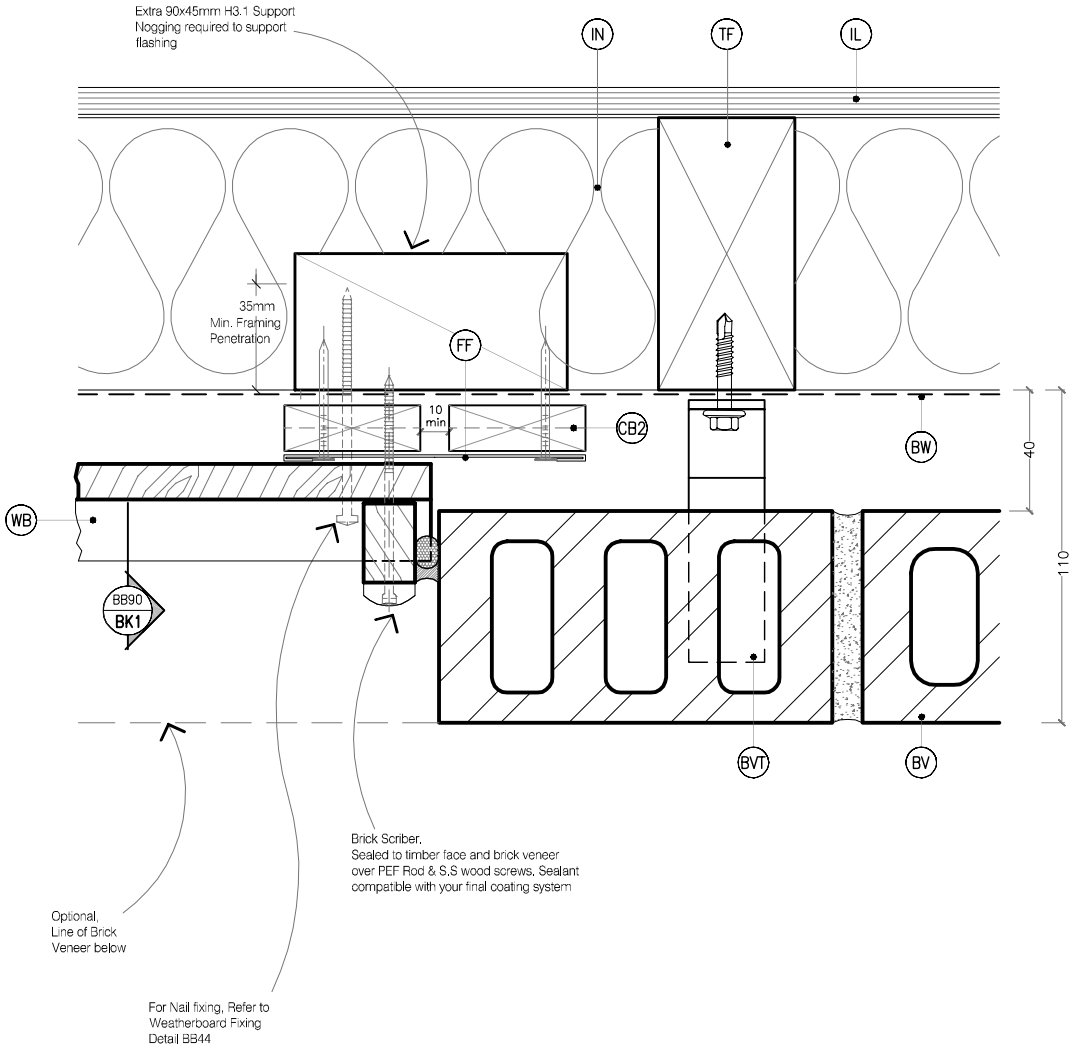
LEGEND :

- (SF) SILL FLASHING: Continuous flashing on 15° min slope with turn back ends at end of walls. Materials as per E2/AS1 4.0 Typically 0.45mm Min 316 Stainless Steel.
- (BW) BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23, In extra high wind zones, Ridgid Underlay required (9.1.7.2 E2/AS1)
- (BV) BRICK VENEER: Selected brick veneer. Typically 70 series clay brick veneer on 40mm cavity
- (FT) FLASHING TAPE: As per E2/AS1 4.3.11
- (BVT) BRICK VENEER TIES: Stainless Steel brick Veneer ties screw fixed to framing - spacing NZS4210, ties to be within 300mm of internal or external corner
- (CB2) CAVITY BATTEN, VERTICAL: 20mm x 45mm H3.1. To form a 20mm cavity.
- (CB3) CAVITY BATTEN, VERTICAL - STRUCTURALLY FIXED : 45mm x 45mm SPP Radiata Pine, H3.2 70mm x 45mm SPP Radiata Pine, H3.2 To form a 45mm cavity
- (CC) CAVITY CLOSURE: Cavity closure strip, positioned to give a 15mm Min drip edge to cladding
- (CF) CORNER FLASHING: 316 Stainless Steel corner flashing. Refer NZBC E2/AS1 4.3. 75x75 Hem or Hook to Flashing Edges. EXTRA HIGH WIND ZONE 100x100 Hem or Hook to Flashing Edges
- (IL) INTERNAL LINING: Selected Internal Lining
- (IN) INSULATION: Selected Insulation
- (TF) TIMBER FRAME: H1.2 min treated timber framing
- (WB) WEATHER BOARD: Southern Pine Bevel Back Weatherboard. Profile to NZS 3617
- (FF) FLAT FLASHING: 316 Stainless Steel 100mm Hem or Hook to Flashing Edges. EXTRA HIGH WIND ZONE 150mm Hem or Hook to Flashing Edges
- (CS) CANT STRIP: Southern Pine H3.1 Cant Strip 25mm x 9 mm

NOTE : Where 75x3.15 jolt head nails are referenced, these may be substituted for 75mm jolt head weatherboard screws



IN-LINE JUNCTION WEATHERBOARD TO BRICK

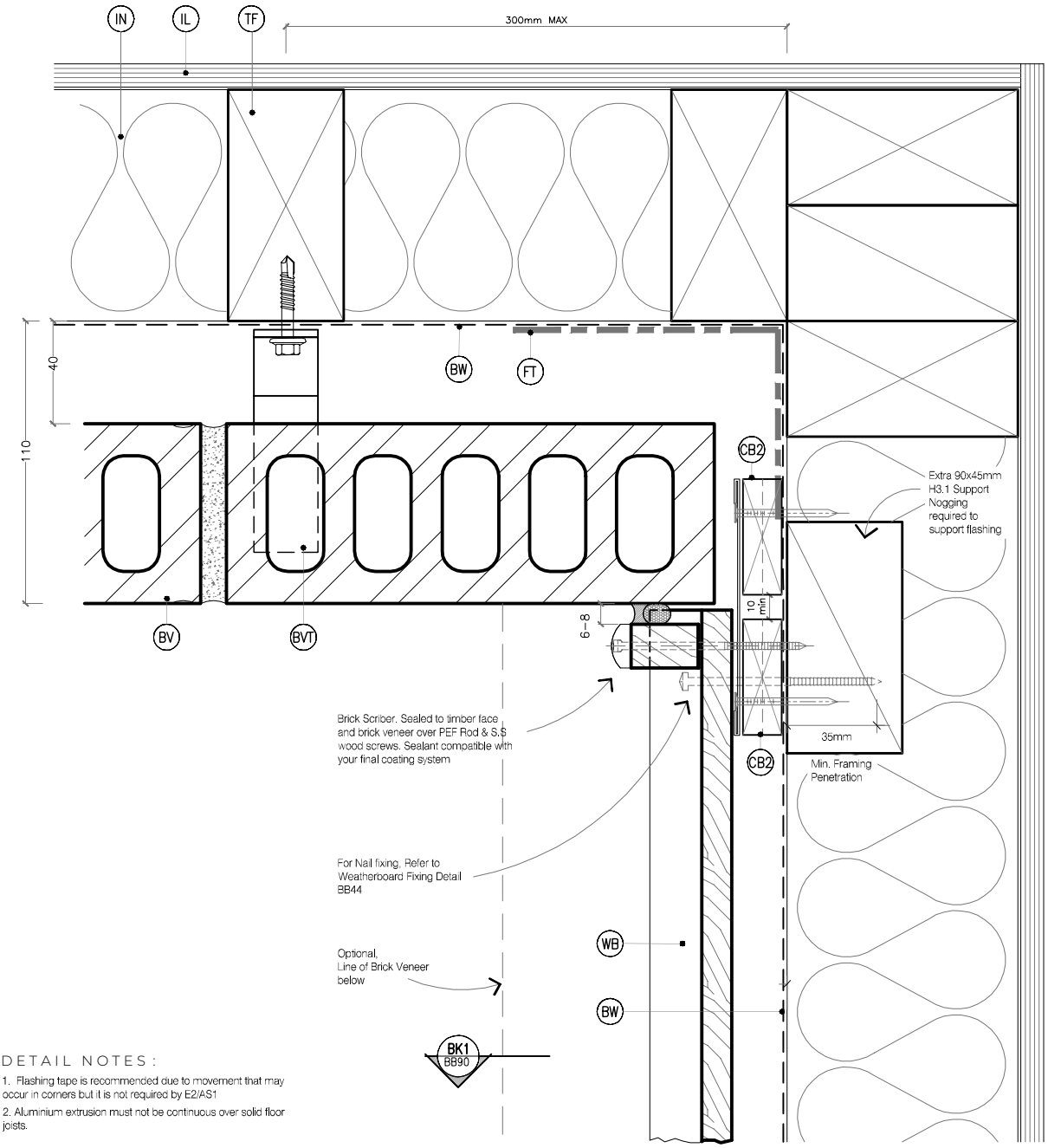


LEGEND:

- (SF) SILL FLASHING: Continuous flashing on 15° min slope with turn back ends at end of walls. Materials as per E2/AS1 4.0 Typically 0.45mm Min 316 Stainless Steel.
- (BW) BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23, In extra high wind zones, Ridgid Underlay required (9.1.7.2 E2/AS1)
- (BV) BRICK VENEER: Selected brick veneer. Typically 70 series clay brick veneer on 40mm cavity
- (FT) FLASHING TAPE: As per E2/AS1 4.3.11
- (BVT) BRICK VENEER TIES: Stainless Steel brick Veneer ties screw fixed to framing - spacing NZS4210, ties to be within 300mm of internal or external corner
- (CB2) CAVITY BATTEN, VERTICAL: 20mm x 45mm H3.1. To form a 20mm cavity.
- (CB3) CAVITY BATTEN, VERTICAL - STRUCTURALLY FIXED : 45mm x 45mm SPP Radiata Pine, H3.2 70mm x 45mm SPP Radiata Pine, H3.2 To form a 45mm cavity
- (CC) CAVITY CLOSURE: Cavity closure strip, positioned to give a 15mm Min drip edge to cladding
- (CF) CORNER FLASHING: 316 Stainless Steel corner flashing. Refer NZBC E2/AS1 4.3. 75x75 Hem or Hook to Flashing Edges. EXTRA HIGH WIND ZONE 100x100 Hem or Hook to Flashing Edges
- (IL) INTERNAL LINING: Selected Internal Lining
- (IN) INSULATION: Selected Insulation
- (TF) TIMBER FRAME: H1.2 min treated timber framing
- (WB) WEATHER BOARD: Southern Pine Bevel Back Weatherboard. Profile to NZS 3617
- (FF) FLAT FLASHING: 316 Stainless Steel 100mm Hem or Hook to Flashing Edges. EXTRA HIGH WIND ZONE 150mm Hem or Hook to Flashing Edges
- (CS) CANT STRIP: Southern Pine H3.1 Cant Strip 25mm x 9 mm

NOTE : Where 75x3.15 jolt head nails are referenced, these may be substituted for 75mm jolt head weatherboard screws

INTERNAL CORNER WEATHERBOARD TO BRICK



DETAIL NOTES :

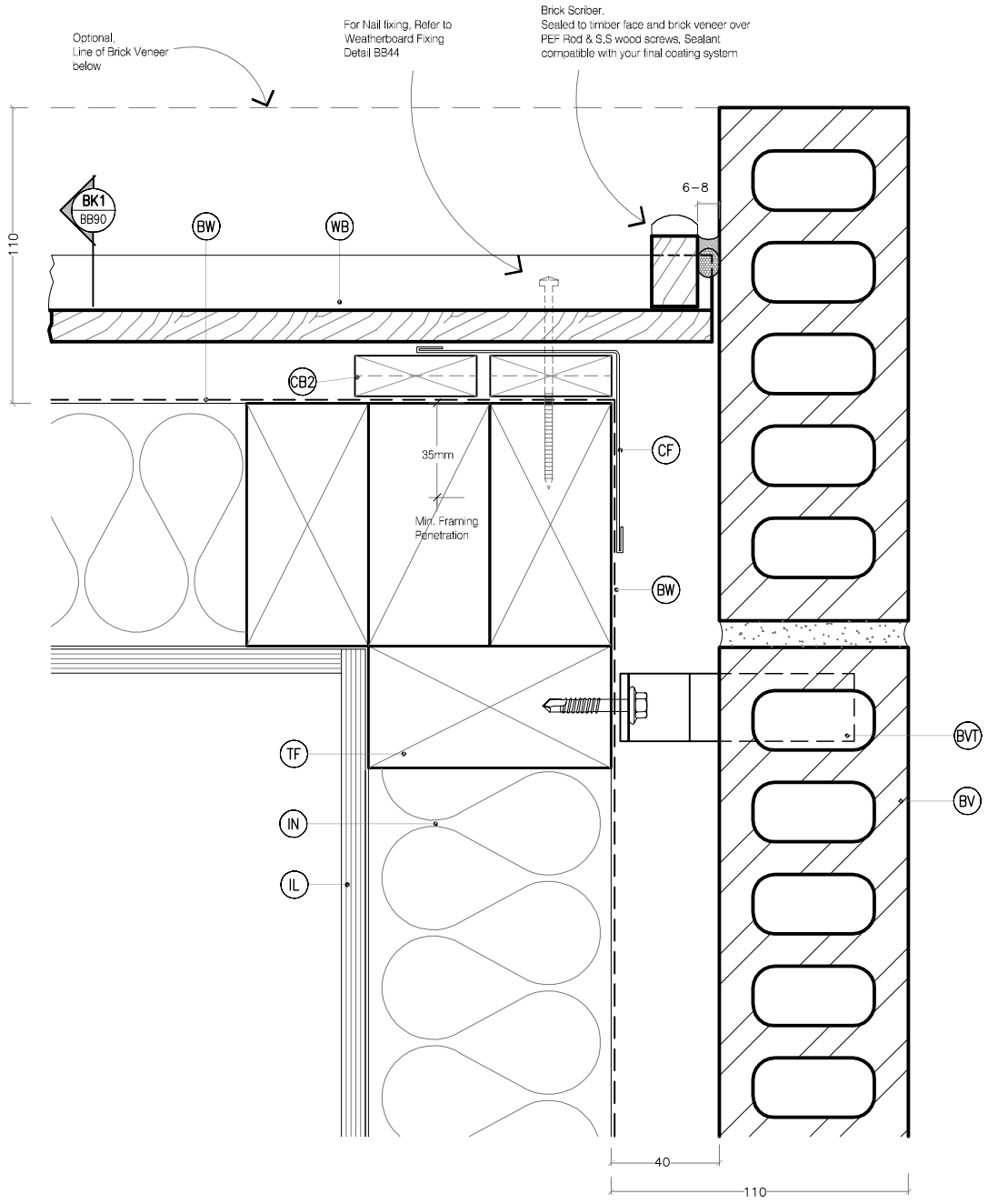
1. Flashing tape is recommended due to movement that may occur in corners but it is not required by E2/AS1
2. Aluminium extrusion must not be continuous over solid floor joists.

LEGEND:

- (SF) SILL FLASHING: Continuous flashing on 15° min slope with turn back ends at end of walls. Materials as per E2/AS1 4.0 Typically 0.45mm Min 316 Stainless Steel.
- (BW) BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23, In extra high wind zones, Ridgid Underlay required (9.1.7.2 E2/AS1)
- (BV) BRICK VENEER: Selected brick veneer. Typically 70 series clay brick veneer on 40mm cavity
- (FT) FLASHING TAPE: As per E2/AS1 4.3.11
- (BVT) BRICK VENEER TIES: Stainless Steel brick Veneer ties screw fixed to framing - spacing NZS4210, ties to be within 300mm of internal or external corner
- (CB2) CAVITY BATTEN, VERTICAL: 20mm x 45mm H3.1. To form a 20mm cavity.
- (CB3) CAVITY BATTEN, VERTICAL - STRUCTURALLY FIXED : 45mm x 45mm SPP Radiata Pine, H3.2 70mm x 45mm SPP Radiata Pine, H3.2 To form a 45mm cavity
- (CC) CAVITY CLOSURE: Cavity closure strip, positioned to give a 15mm Min drip edge to cladding
- (CF) CORNER FLASHING: 316 Stainless Steel corner flashing. Refer NZBC E2/AS1 4.3. 75x75 Hem or Hook to Flashing Edges. EXTRA HIGH WIND ZONE 100x100 Hem or Hook to Flashing Edges
- (IL) INTERNAL LINING: Selected Internal Lining
- (IN) INSULATION: Selected Insulation
- (TF) TIMBER FRAME: H1.2 min treated timber framing
- (WB) WEATHER BOARD: Southern Pine Bevel Back Weatherboard. Profile to NZS 3617
- (FF) FLAT FLASHING: 316 Stainless Steel 100mm Hem or Hook to Flashing Edges. EXTRA HIGH WIND ZONE 150mm Hem or Hook to Flashing Edges
- (CS) CANT STRIP: Southern Pine H3.1 Cant Strip 25mm x 9 mm

NOTE : Where 75x3.15 jolt head nails are referenced, these may be substituted for 75mm jolt head weatherboard screws

EXTERIOR JUNCTION WEATHERBOARD TO BRICK



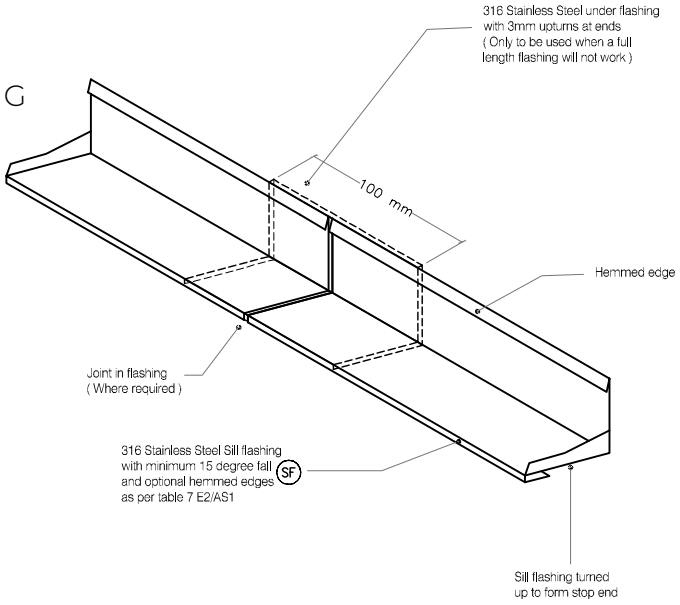
LEGEND:

- (SF) SILL FLASHING: Continuous flashing on 15° min slope with turn back ends at end of walls. Materials as per E2/AS1 4.0 Typically 0.45mm Min 316 Stainless Steel.
- (BW) BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23, In extra high wind zones, Ridgid Underlay required (9.1.7.2 E2/AS1)
- (BV) BRICK VENEER: Selected brick veneer. Typically 70 series clay brick veneer on 40mm cavity
- (FT) FLASHING TAPE: As per E2/AS1 4.3.11
- (BVT) BRICK VENEER TIES: Stainless Steel brick Veneer ties screw fixed to framing - spacing NZS4210, ties to be within 300mm of internal or external corner
- (CB2) CAVITY BATTEN, VERTICAL: 20mm x 45mm H3.1. To form a 20mm cavity.
- (CB3) CAVITY BATTEN, VERTICAL - STRUCTURALLY FIXED : 45mm x 45mm SPP Radiata Pine, H3.2
70mm x 45mm SPP Radiata Pine, H3.2
To form a 45mm cavity
- (CC) CAVITY CLOSURE: Cavity closure strip, positioned to give a 15mm Min drip edge to cladding
- (CF) CORNER FLASHING: 316 Stainless Steel corner flashing. Refer NZBC E2/AS1 4.3. 75x75 Hem or Hook to Flashing Edges. EXTRA HIGH WIND ZONE 100x100 Hem or Hook to Flashing Edges
- (IL) INTERNAL LINING: Selected Internal Lining
- (IN) INSULATION: Selected Insulation
- (TF) TIMBER FRAME: H1.2 min treated timber framing
- (WB) WEATHER BOARD: Southern Pine Bevel Back Weatherboard. Profile to NZS 3617
- (FF) FLAT FLASHING: 316 Stainless Steel 100mm Hem or Hook to Flashing Edges. EXTRA HIGH WIND ZONE 150mm Hem or Hook to Flashing Edges
- (CS) CANT STRIP: Southern Pine H3.1
Cant Strip 25mm x 9 mm

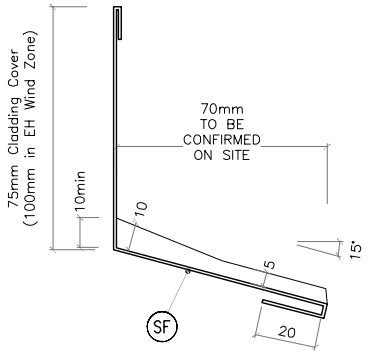
NOTE : Where 75x3.15 jolt head nails are referenced, these may be substituted for 75mm jolt head weatherboard screws

FLASHINGS WEATHERBOARD TO BRICK

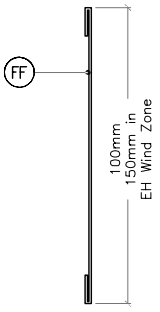
3D SILL FLASHING



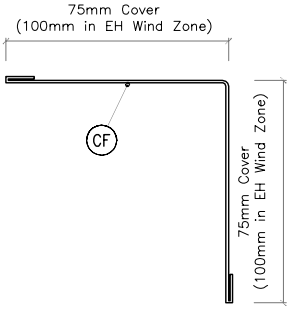
SILL FLASHING DIMENSIONS



INLINE & INTERNAL FLASHING DIMENSIONS



EXTERNAL FLASHING DIMENSIONS



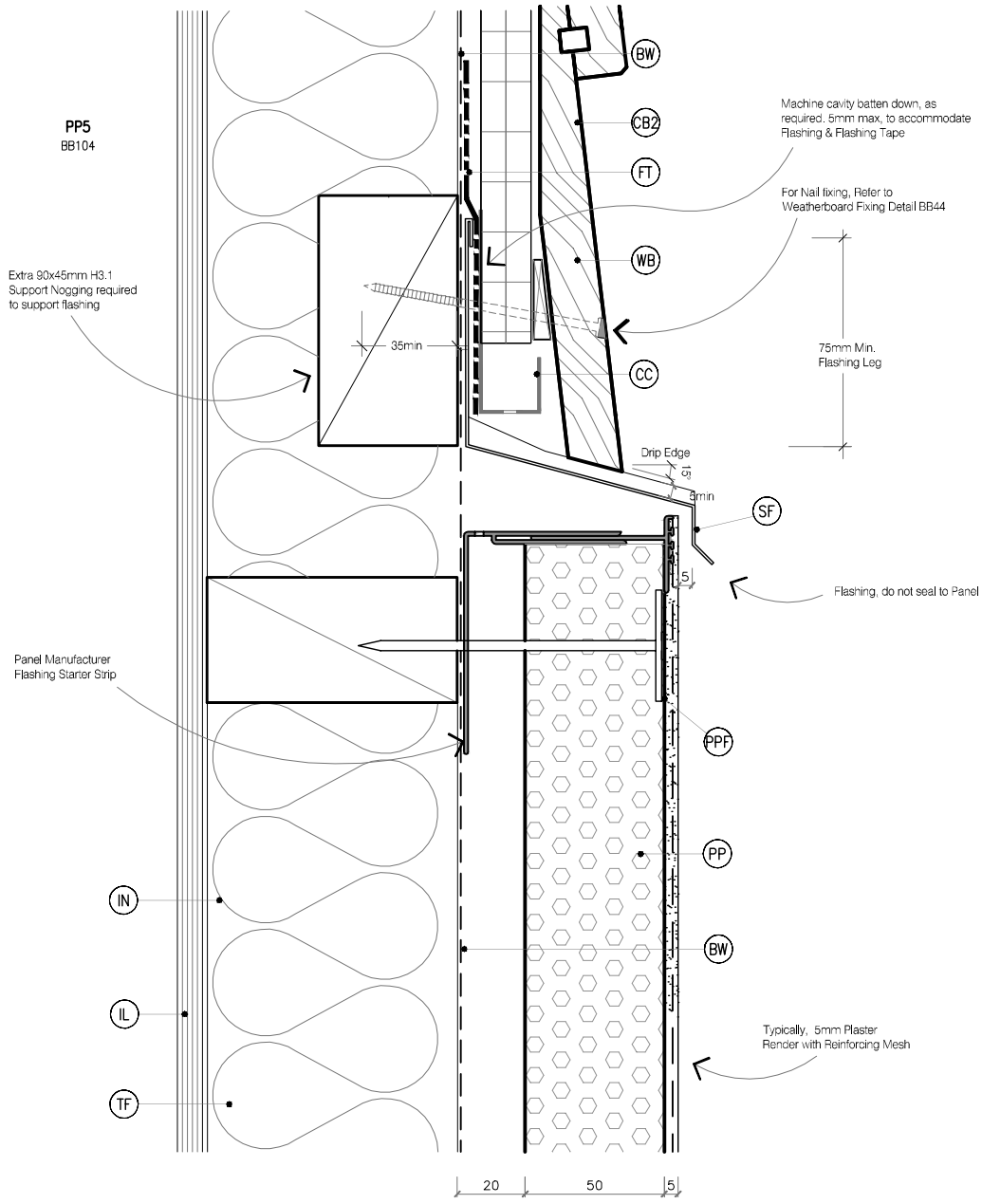
LEGEND:

- (SF) SILL FLASHING: Continuous flashing on 15° min slope with turn back ends at end of walls. Materials as per E2/AS1 4.0 Typically 0.45mm Min 316 Stainless Steel.
- (BW) BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23, In extra high wind zones, Ridgid Underlay required (9.1.7.2 E2/AS1)
- (BV) BRICK VENEER: Selected brick veneer. Typically 70 series clay brick veneer on 40mm cavity
- (FT) FLASHING TAPE: As per E2/AS1 4.3.11
- (BVT) BRICK VENEER TIES: Stainless Steel brick Veneer ties screw fixed to framing - spacing NZS4210, ties to be within 300mm of internal or external corner
- (CB2) CAVITY BATTEN, VERTICAL: 20mm x 45mm H3.1. To form a 20mm cavity.
- (CB3) CAVITY BATTEN, VERTICAL - STRUCTURALLY FIXED : 45mm x 45mm SPP Radiata Pine, H3.2 70mm x 45mm SPP Radiata Pine, H3.2 To form a 45mm cavity
- (CC) CAVITY CLOSURE: Cavity closure strip, positioned to give a 15mm Min drip edge to cladding
- (CF) CORNER FLASHING: 316 Stainless Steel corner flashing. Refer NZBC E2/AS1 4.3. 75x75 Hem or Hook to Flashing Edges. EXTRA HIGH WIND ZONE 100x100 Hem or Hook to Flashing Edges
- (IL) INTERNAL LINING: Selected Internal Lining
- (IN) INSULATION: Selected Insulation
- (TF) TIMBER FRAME: H1.2 min treated timber framing
- (WB) WEATHER BOARD: Southern Pine Bevel Back Weatherboard. Profile to NZS 3617
- (FF) FLAT FLASHING: 316 Stainless Steel 100mm Hem or Hook to Flashing Edges. EXTRA HIGH WIND ZONE 150mm Hem or Hook to Flashing Edges
- (CS) CANT STRIP: Southern Pine H3.1 Cant Strip 25mm x 9 mm

NOTE : Where 75x3.15 jolt head nails are referenced, these may be substituted for 75mm jolt head weatherboard screws

MANAHAU
BY SOUTHERN PINE

HALF WALL SILL PLASTER PANEL TO WEATHERBOARD



LEGEND:

- SF — SILL FLASHING: Continuous flashing on 15° min slope with turn back ends at end of walls. Materials as per E2/AS1 4.0 Typically 0.45mm Min 316 Stainless Steel.
- BW — BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23, In extra high wind zones, Ridgid Underlay required (9.1.7.2 E2/AS1)
- PP — PLASTER PANEL: Selected Insulated Facade Panel System. Typically 50mm Thick, fixed to 20mm vertical cavity batten
- FT — FLASHING TAPE: As per E2/AS1 4.3.11
- PPF — PLASTER PANEL FIXING: Specific designed panel fixing system. Install to manufactures instructions
- CB2 — CAVITY BATTEN, VERTICAL: 20mm x 45mm H3.1. To form a 20mm cavity.
- CB3 — CAVITY BATTEN, VERTICAL - STRUCTURALLY FIXED : 45mm x 45mm SPP Radiata Pine, H3.2 70mm x 45mm SPP Radiata Pine, H3.2 To form a 45mm cavity
- HS — HEAD SOFFIT SCRIBER: Southern Pine Eaves Mould EM 40 x 27. Fix with 75 x 3.15 316 SS nail in 2.5mm predrilled hole
- CC — CAVITY CLOSURE: Cavity closure strip, positioned to give a 15mm Min drip edge to cladding
- WB — WEATHER BOARD: Southern Pine Bevel Back Weatherboard. Profile to NZS 3617
- ECF — EXTERNAL CORNER FLASHING: 316 S.S Corner flashing. Refer NZBC E2/AS1 4.3. 125x75 Hem or Hook to Flashing Edges. EXTRA HIGH WIND ZONE 150x100 Hem or Hook to Flashing Edges
- ICF — INTERNAL CORNER FLASHING: As per External Corner Flashing Hem & Hook flipped.
- IL — INTERNAL LINING: Selected Internal Lining
- IN — INSULATION: Selected Insulation
- FF — FLAT FLASHING: 316 Stainless Steel 100mm Hem or Hook to Flashing Edges. EXTRA HIGH WIND ZONE 150mm Hem or Hook to Flashing Edges
- TF — TIMBER FRAME: H1.2 min treated timber framing

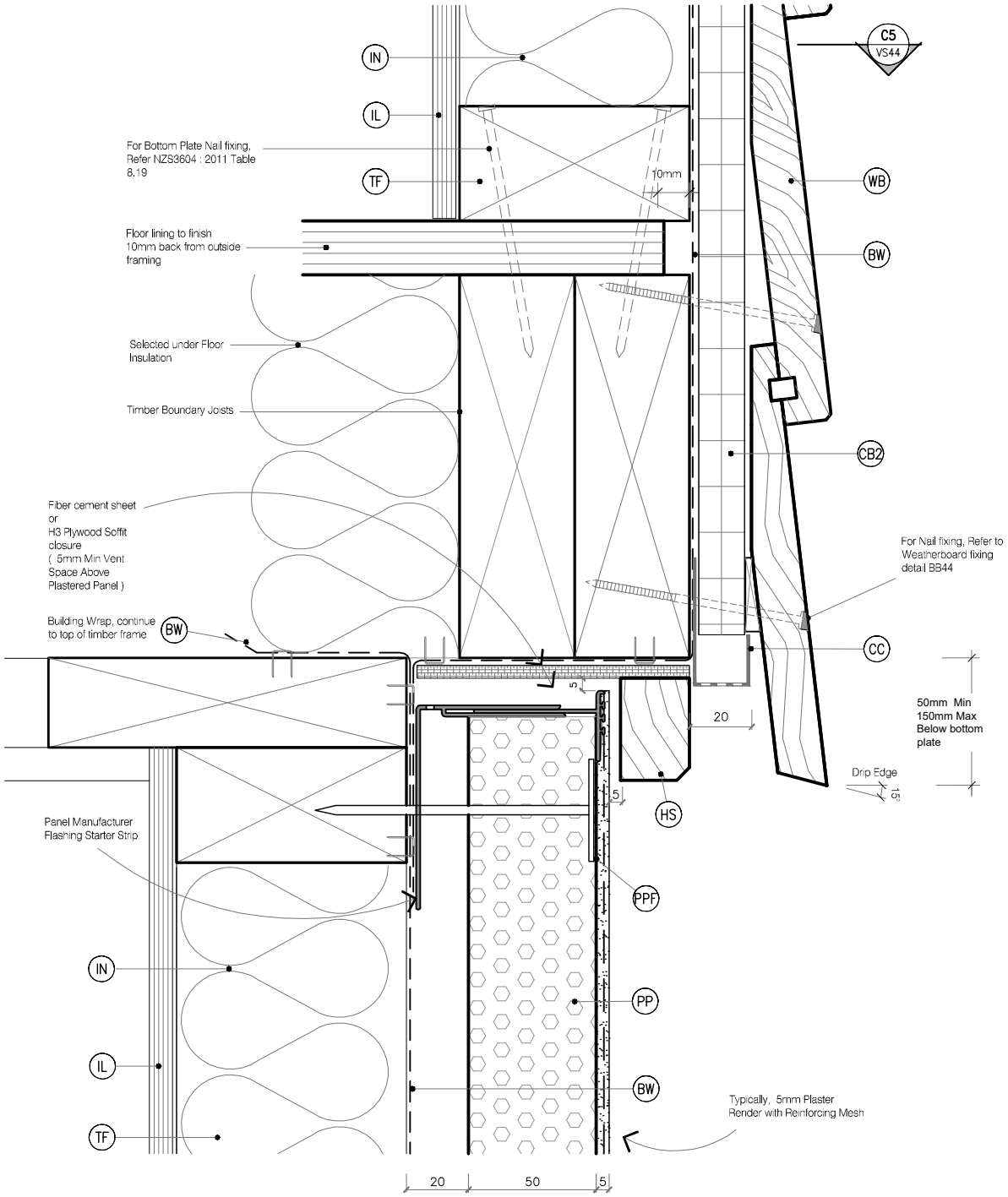
NOTE : Where 75x3.15 jolt head nails are referenced, these may be substituted for 75mm jolt head weatherboard screws

CANTILEVER FLOOR PLASTER PANEL TO WEATHERBOARD

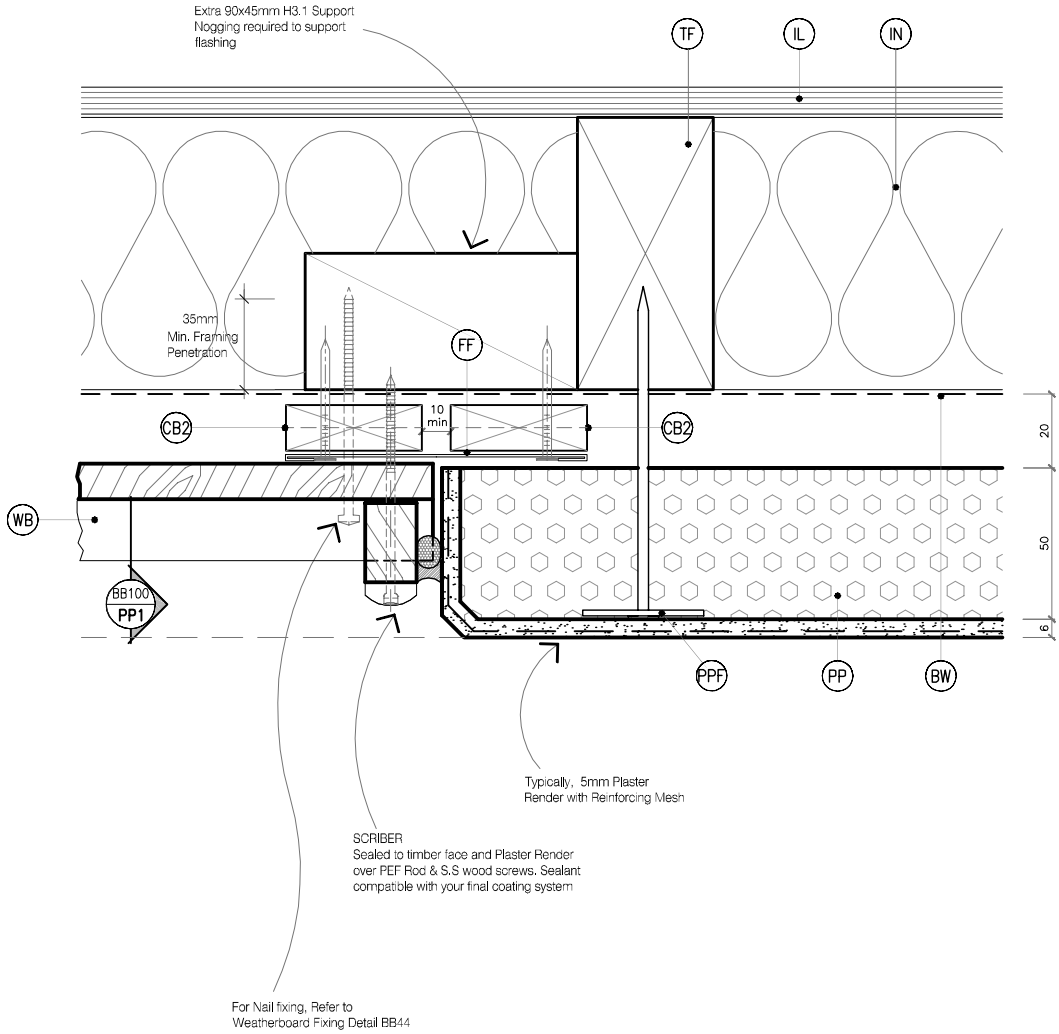
LEGEND:

- (SF) SILL FLASHING: Continuous flashing on 15° min slope with turn back ends at end of walls. Materials as per E2/AS1 4.0 Typically 0.45mm Min 316 Stainless Steel.
- (BW) BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23, In extra high wind zones, Ridgid Underlay required (9.1.7.2 E2/AS1)
- (PP) PLASTER PANEL: Selected Insulated Facade Panel System. Typically 50mm Thick, fixed to 20mm vertical cavity batten
- (FT) FLASHING TAPE: As per E2/AS1 4.3.11
- (PPF) PLASTER PANEL FIXING: Specific designed panel fixing system. Install to manufactures instructions
- (CB2) CAVITY BATTEN, VERTICAL: 20mm x 45mm H3.1. To form a 20mm cavity.
- (CB3) CAVITY BATTEN, VERTICAL - STRUCTURALLY FIXED : 45mm x 45mm SPP Radiata Pine, H3.2 70mm x 45mm SPP Radiata Pine, H3.2 To form a 45mm cavity
- (HS) HEAD SOFFIT SCRIBER: Southern Pine Eaves Mould EM 40 x 27. Fix with 75 x 3.15 316 SS nail in 2.5mm predrilled hole
- (CC) CAVITY CLOSURE: Cavity closure strip, positioned to give a 15mm Min drip edge to cladding
- (WB) WEATHER BOARD: Southern Pine Bevel Back Weatherboard. Profile to NZS 3617
- (ECF) EXTERNAL CORNER FLASHING: 316 S.S Corner flashing. Refer NZBC E2/AS1 4.3. 125x75 Hem or Hook to Flashing Edges. EXTRA HIGH WIND ZONE 150x100 Hem or Hook to Flashing Edges
- (ICF) INTERNAL CORNER FLASHING: As per External Corner Flashing Hem & Hook flipped.
- (IL) INTERNAL LINING: Selected Internal Lining
- (IN) INSULATION: Selected Insulation
- (FF) FLAT FLASHING: 316 Stainless Steel 100mm Hem or Hook to Flashing Edges. EXTRA HIGH WIND ZONE 150mm Hem or Hook to Flashing Edges
- (TF) TIMBER FRAME: H1.2 min treated timber framing

NOTE : Where 75x3.15 jolt head nails are referenced, these may be substituted for 75mm jolt head weatherboard screws



IN-LINE JUNCTION PLASTER PANEL TO WEATHERBOARD

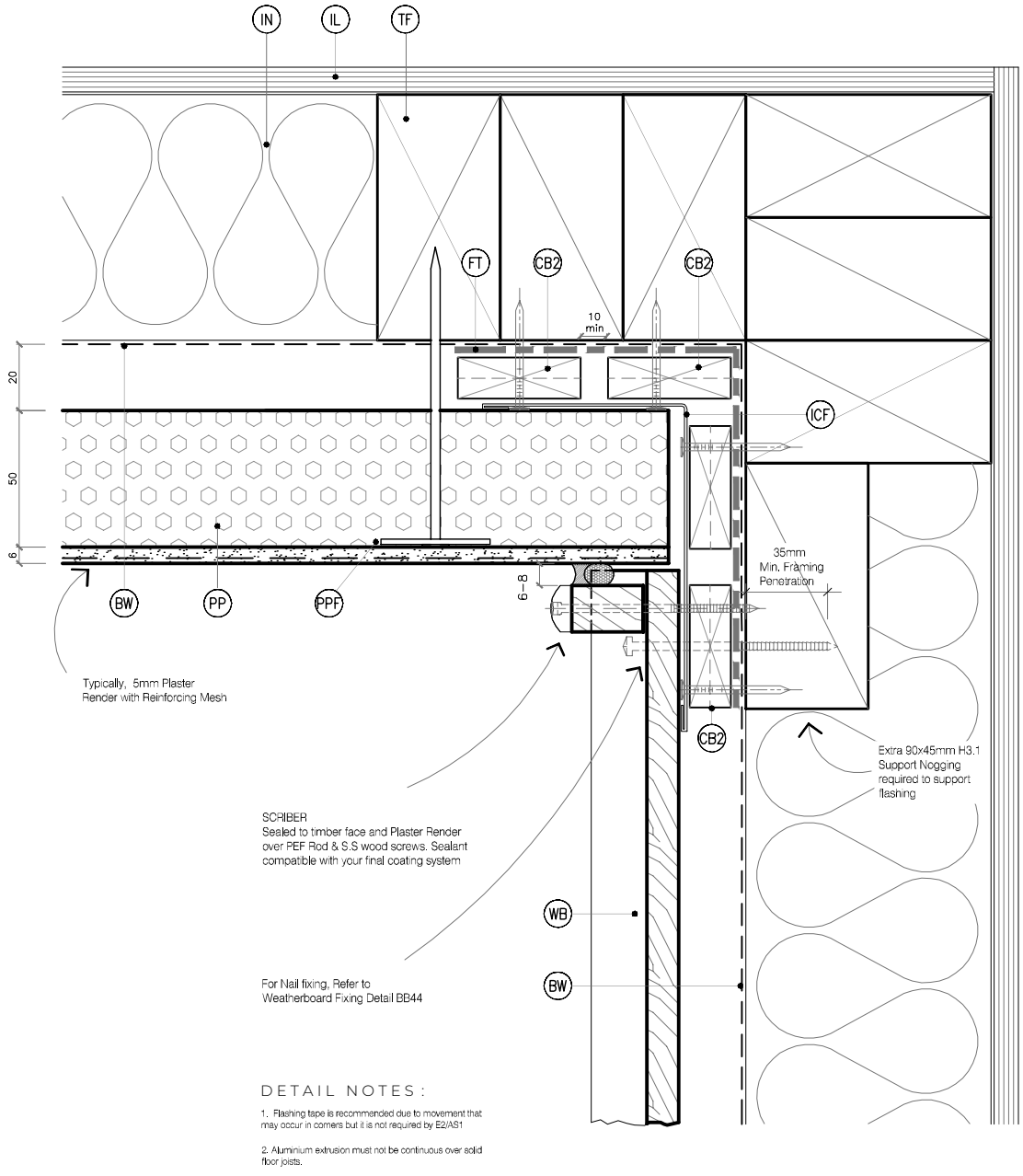


LEGEND:

- (SF) SILL FLASHING: Continuous flashing on 15° min slope with turn back ends at end of walls. Materials as per E2/AS1 4.0 Typically 0.45mm Min 316 Stainless Steel.
- (BW) BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23, In extra high wind zones, Ridgid Underlay required (9.1.7.2 E2/AS1)
- (PP) PLASTER PANEL: Selected Insulated Facade Panel System. Typically 50mm Thick, fixed to 20mm vertical cavity batten
- (FT) FLASHING TAPE: As per E2/AS1 4.3.11
- (PPF) PLASTER PANEL FIXING: Specific designed panel fixing system. Install to manufactures instructions
- (CB2) CAVITY BATTEN, VERTICAL: 20mm x 45mm H3.1. To form a 20mm cavity.
- (CB3) CAVITY BATTEN, VERTICAL - STRUCTURALLY FIXED : 45mm x 45mm SPP Radiata Pine, H3.2 70mm x 45mm SPP Radiata Pine, H3.2 To form a 45mm cavity
- (HS) HEAD SOFFIT SCRIBER: Southern Pine Eaves Mould EM 40 x 27. Fix with 75 x 3.15 316 SS nail in 2.5mm predrilled hole
- (CC) CAVITY CLOSURE: Cavity closure strip, positioned to give a 15mm Min drip edge to cladding
- (WB) WEATHER BOARD: Southern Pine Bevel Back Weatherboard. Profile to NZS 3617
- (ECF) EXTERNAL CORNER FLASHING: 316 S.S Corner flashing. Refer NZBC E2/AS1 4.3. 125x75 Hem or Hook to Flashing Edges. EXTRA HIGH WIND ZONE 150x100 Hem or Hook to Flashing Edges
- (ICF) INTERNAL CORNER FLASHING: As per External Corner Flashing Hem & Hook flipped.
- (IL) INTERNAL LINING: Selected Internal Lining
- (IN) INSULATION: Selected Insulation
- (FF) FLAT FLASHING: 316 Stainless Steel 100mm Hem or Hook to Flashing Edges. EXTRA HIGH WIND ZONE 150mm Hem or Hook to Flashing Edges
- (TF) TIMBER FRAME: H1.2 min treated timber framing

NOTE : Where 75x3.15 jolt head nails are referenced, these may be substituted for 75mm jolt head weatherboard screws

INTERNAL CORNER PLASTER PANEL TO WEATHERBOARD



DETAIL NOTES :

1. Flashing tape is recommended due to movement that may occur in corners but it is not required by E2/AS1

2. Aluminium extrusion must not be continuous over solid floor joists.

LEGEND :

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- (TF) TIMBER FRAME: H1.2 min treated timber framing

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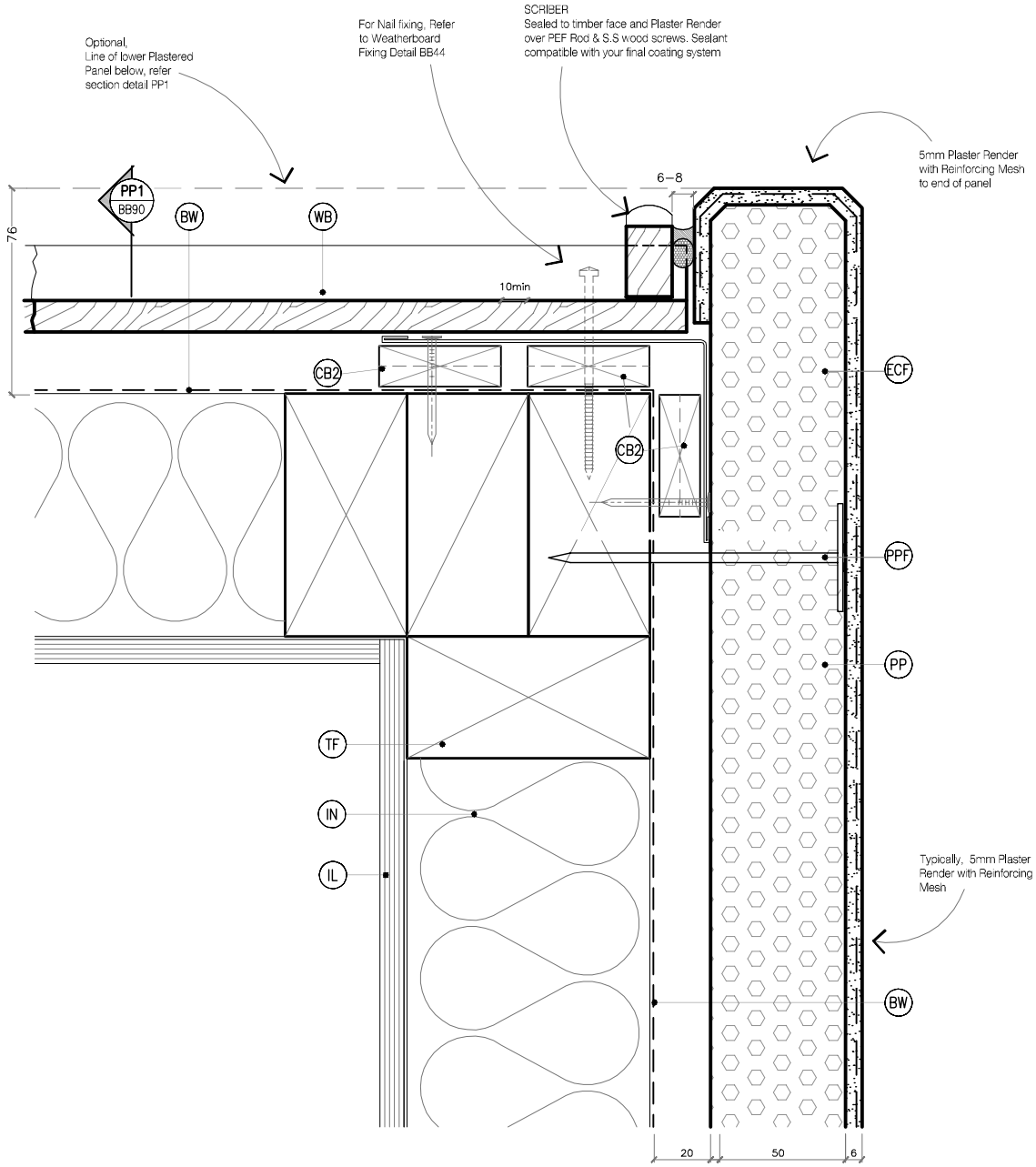
EXTERIOR JUNCTION PLASTER PANEL TO WEATHERBOARD



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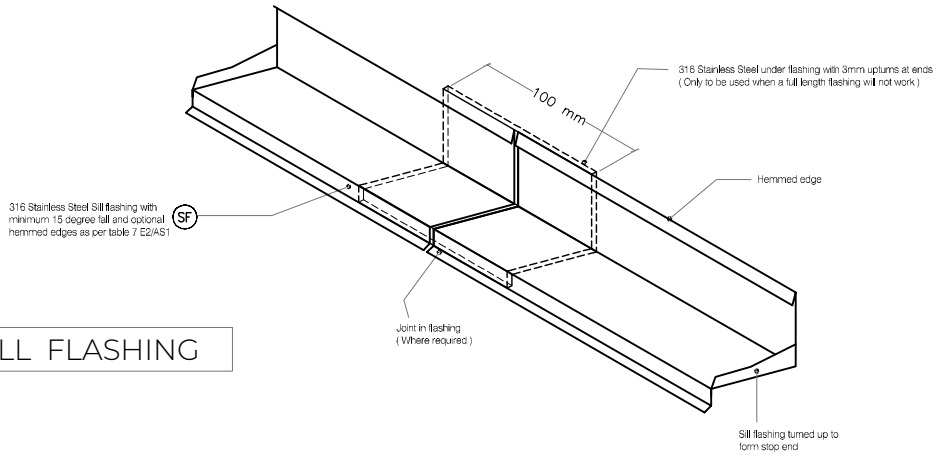
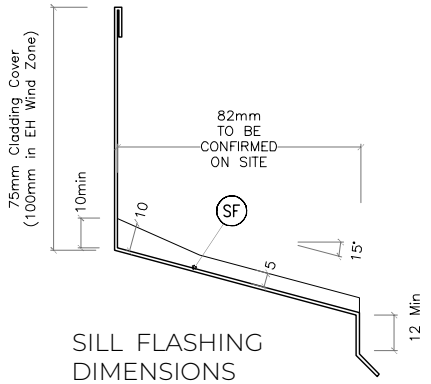
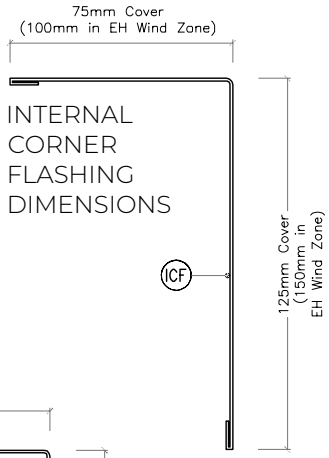
FLASHINGS
PLASTER PANEL
TO WEATHERBOARD



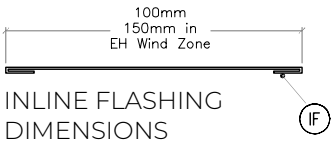
3D SILL FLASHING



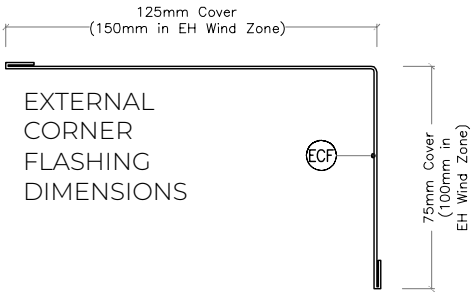
SILL FLASHING
DIMENSIONS



INTERNAL
CORNER
FLASHING
DIMENSIONS



INLINE FLASHING
DIMENSIONS



EXTERNAL
CORNER
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