

ARCHITECTURAL DRAWINGS

ISSUE : 25/08/2023 | VERSION : 2.3

JSC Board & Batten Weatherboards

- Flexible Underlay 20mm Cavity Fix

GENERAL NOTES

OVERVIEW :

JSC Board & Batten is a cavity based external wall cladding system comprising of:

- Timber weatherboards finished with high quality exterior grade coatings
- H3.2 treated timber castellated cavity battens
- Proprietary mouldings
- Flashings and accessories

This documentation covers the fixing instructions for the installation of JSC Board & Batten weatherboards over JSC-U 20mm thick castellated cavity battens.

The information in this document has been specifically grouped in 2 different layouts to help Architects, Designers & Builders on site.

1. A3/A1 ARCHITECTURAL DRAWINGS:

Similar details are grouped in A1/A3 format that make it easier to import into the project plan.

2. A4 SITE DRAWINGS

Same information is made available on a A4 page at a larger scale for builders making it easier to read and distribute the drawings on site.

SCOPE OF USE

- This document is for use exclusively within the scope of JSC board & batten Weatherboard Cladding System technical documentation and Code Compliance CodeMark certificate CMNZ30083.
- Details are subject to change without notification and only the current version is compliant.
- Refer to www.jsctimber.co.nz at the time of use for the current documentation.
- The designer/specifier must be satisfied that these details are applicable for their intended use.

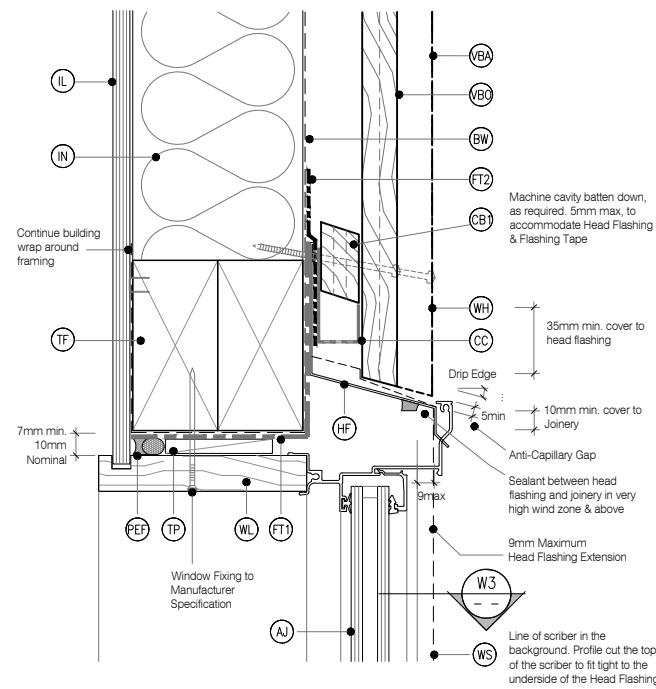
FIXING SPECIFICATION

SPECIES	FIXINGS MATERIAL
Western Red Cedar	316 Stainless Steel or Silicon Bronze annular grooved nails
Alaskan Yellow Cedar	316 Stainless Steel or Silicon Bronze annular grooved nails
Iroko	316 Stainless Steel or Silicon Bronze annular grooved nails
Radiata Pine	316 Stainless Steel or Silicon Bronze annular grooved nails
JSC-TMT® Thermally Modified Timber	
TMT TAIGA (RW/WW)	316 Stainless Steel annular grooved nails
TMT TAXON	316 Stainless Steel annular grooved nails
TMT TUSCAN	316 Stainless Steel annular grooved nails

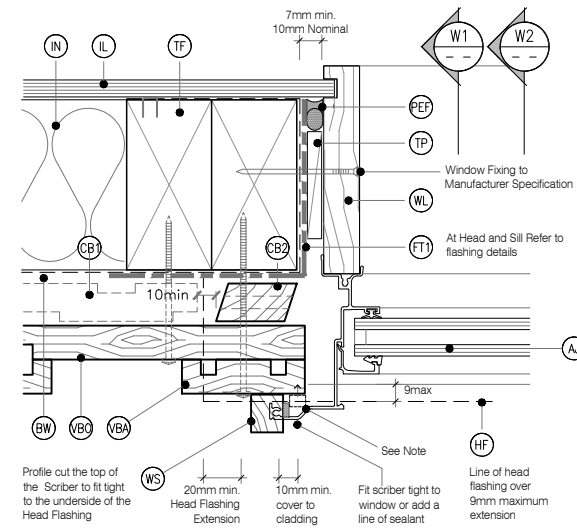
A3/A1 ARCHITECTURAL DRAWINGS INDEX

Sheet Number	Sheet Title
JSC 20CF BB00	COVER SHEET - JSC BOARD & BATTEN CLADDING
JSC 20CF BB15	WINDOW DETAILS - Aluminium Joinery
	BB10 - Window Head Detail - Aluminium Joinery
	BB11 - Window Sill Detail - Aluminium Joinery
	BB12 - Window Jamb Detail - Aluminium Joinery
	BB13 - Window Flashing Details - Aluminium Joinery
JSC 20CF BB25	DOOR DETAILS - Head, Sill & Jamb - Aluminium Joinery
	BB20 - Door Head Detail - Aluminium Joinery
	BB21 - Door Sill Detail - Aluminium Joinery
	BB22 - Door Jamb Detail - Aluminium Joinery
	BB23 - Door Flashing Detail - Aluminium Joinery
JSC 20CF BB35	METER BOX DETAILS - Head, Sill & Jamb
	BB30 - Meter Box Head Detail
	BB31 - Meter Box Sill Detail
	BB32 - Meter Box Jamb Detail
	BB33 - Meter Box Flashing Detail
JSC 20CF BB46	GENERAL DETAILS 01 - Weatherboard Fixing
	BB40 - Weatherboard Fixing Detail
	BB41 - Weatherboard Scarf Joint
	BB42 - Base of Wall, Timber
	BB43 - Base of Wall, Timber
	BB44 - Pipe Penetration
	BB45 - 3D- Pipe Penetration
JSC 20CF BB66	GENERAL DETAILS 02 - Corners
	BB60 - Internal Corner
	BB61 - 3D - Internal Corner
	BB62 - External Corner
	BB63 - 3D - External Corner
JSC 20CF BB76	GENERAL DETAILS 04 - Parapet Saddle Flashing
	BB70 - Base of Wall, Membrane Roof
	BB71 - Deck of Roof Membrane - Parapet Saddle Flashing - STAGE ONE
	BB72 - Deck of Roof Membrane - Parapet Saddle Flashing - STAGE TWO
	BB73 - Deck of Roof Membrane - Parapet Saddle Flashing - STAGE THREE
	BB74 - Typical Parapet - Capping Joint Details
	BB75 - Parapet Section to Membrane Roof
JSC 20CF BB86	GENERAL DETAILS 05
	BB80 - Drained Inter Storey Joint
	BB81 - Apron Flashing Roof To Wall Junction
	BB82 - Soffit Detail at Wall
	BB83 - Soffit Detail at Fascia
	BB84 - Parapet Detail





W1 WINDOW HEAD - Board & Batten System
BB10 Cavity Fix - Aluminium Joinery - Double Glazing
SCALE 1:2 @ A1, 1:4 @ A3



NOTE : No Scribe Option :
The Aluminium Joinery must sit hard against the back of the joinery flange and the timber weatherboards with a E.P.S Compressible bond breaker foam seal between

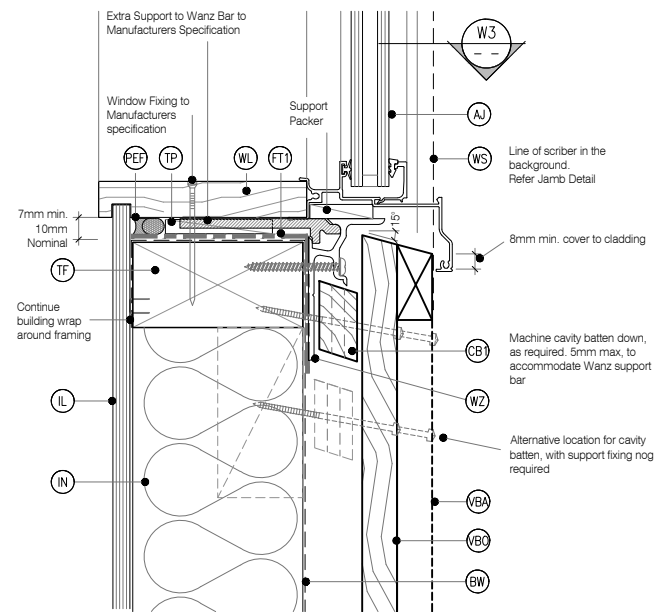
W3 WINDOW JAMB - Board & Batten System
BB12 Cavity Fix - Aluminium Joinery - Double Glazing
SCALE 1:2 @ A1, 1:4 @ A3

LEGEND :

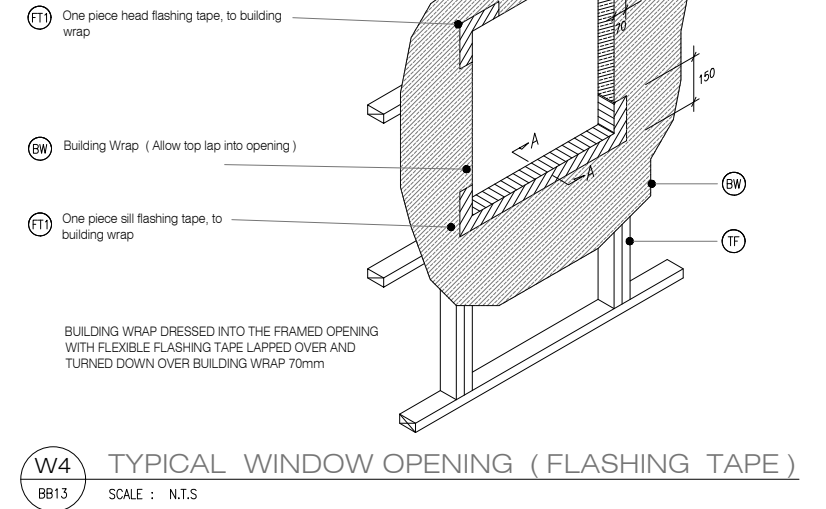
- AJ** ALUMINIUM JOINERY: Selected double glazed aluminium joinery. To E2/AS1 9.1.10
- BW** BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23, In extra high wind zones, Rigid Underlay required (9.1.7.2 E2/AS1)
- CB1** CAVITY BATTEN - NON STRUCTURAL : Horizontally installed JSC-U 45mm x 20mm Radiata Pine H3.2 treated, both face castellated and 18° bevelled edges.
- CB2** CAVITY BATTEN - NON STRUCTURAL : Vertically installed JSC-U 45mm x 20mm Radiata Pine H3.2 treated, both face castellated and 18° bevelled edges. Site machined to allow for flashing.
- 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
- 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
- IN** INSULATION: Selected Insulation
- PEF** PEF ROD BACKING: Foam backing rod with sealant to cavity in Window perimeter that forms a waterproof air-seal. (Sealant 2:1 Ratio)
- TF** TIMBER FRAME: H1.2 min treated timber framing
- TP** TIMBER PACKER: Tan H3.2 Treated Packer
- VBC** VERTICAL BOARD: Selected JSC Board Profile
- VBA** VERTICAL BATTEN: Selected JSC Batten Profile
- WL** WINDOW LINER: As Specified
- WH** WEATHERHEAD: (OPTIONAL) Selected JSC Horizontal batten above meter box as necessary to suit profile, shaped to shed water, sealant to back of head scribe
- WS** WINDOW SCRIBER: Sealant to back of scribe and 75 x 3.15mm 316 Stainless Steel nail in 3mm predrilled hole.
- WZ** WANZ SUPPORT: Provide window support as required by joinery manufacturer

GENERAL NOTES:

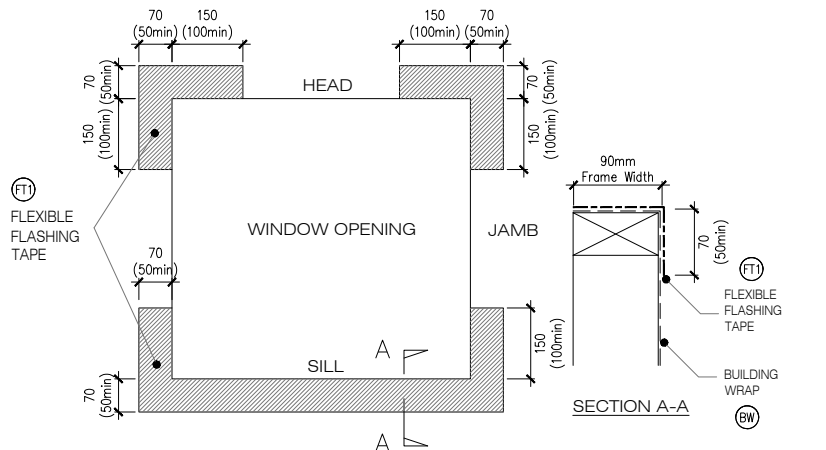
1. JSC Board & Batten System must be installed by a suitably qualified and experienced trade person. Where Restricted Building Work (RBW) applied the installer shall be a Licensed Building Practitioner (LBP) or supervised by LBP.
2. Weatherboards must be dry and free of any contamination.
3. Board lengths must be optimised prior the installation to avoid any unnecessary wastage and joints.
4. Any loose or bark encased knots or other timber defects need to be removed.
5. Weatherboards must be coated with exterior grade premium coating on all 4 sides in accordance with coating manufacturer specification.
6. Where weatherboards have an exposed bottom edge, the back of the boards should be cut with a 15° drip edge and cut end should be coated up to 75-150mm up from the bottom edge.
7. Cavity closer/vermin proofing must be installed continuously around the bottom of the cavity.
8. Cavity closer/vermin proofing openings must be kept clear and unobstructed to maintain draining and venting of the cavity.
9. For windows and doors, head flashing stop ends must be in place.
10. Flashings at corners, doors, windows and wall intersections must be installed to prevent water from entering the cavity.



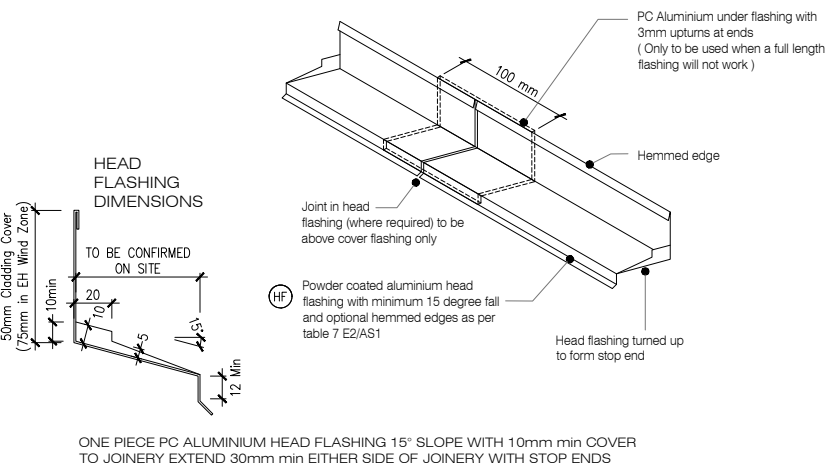
W2 WINDOW SILL - Board & Batten System
BB11 Cavity Fix - Aluminium Joinery - Double Glazing
SCALE 1:2 @ A1, 1:4 @ A3



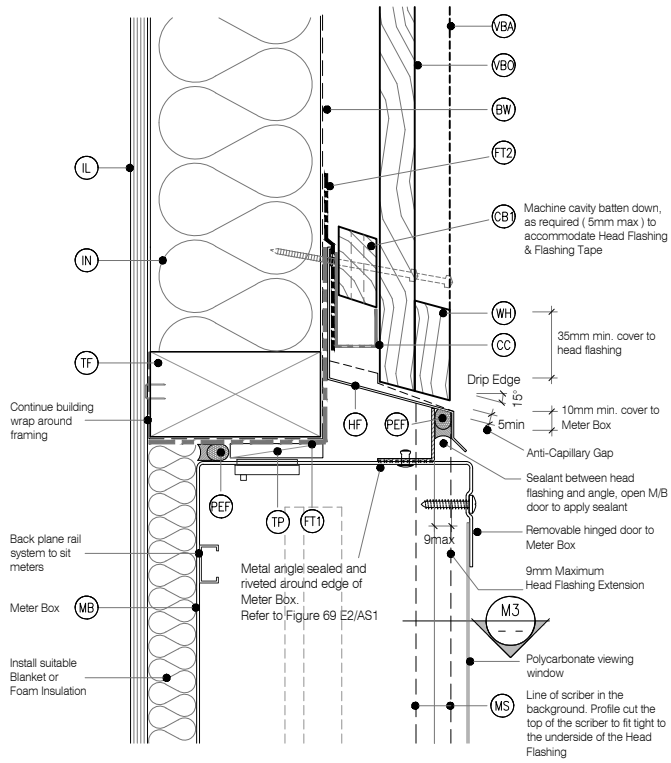
W4 TYPICAL WINDOW OPENING (FLASHING TAPE)
BB13 SCALE : N.T.S.



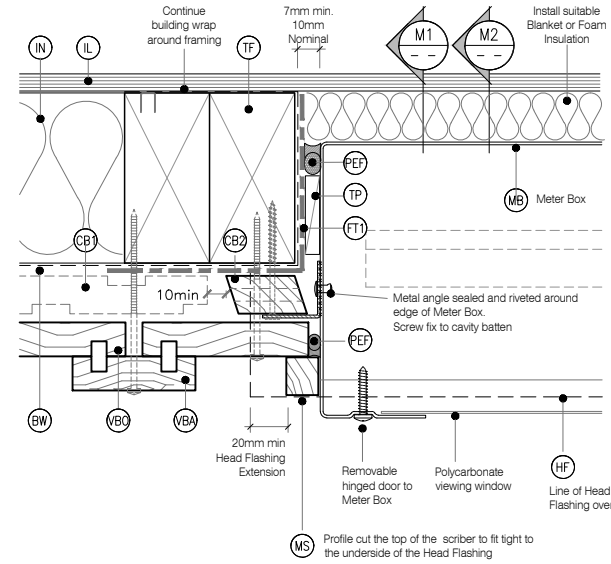
W5 FLEXIBLE BUILDING WRAP AT OPENING
BB13 SCALE : 1 / 5 @ A1, 1 / 10 @ A3



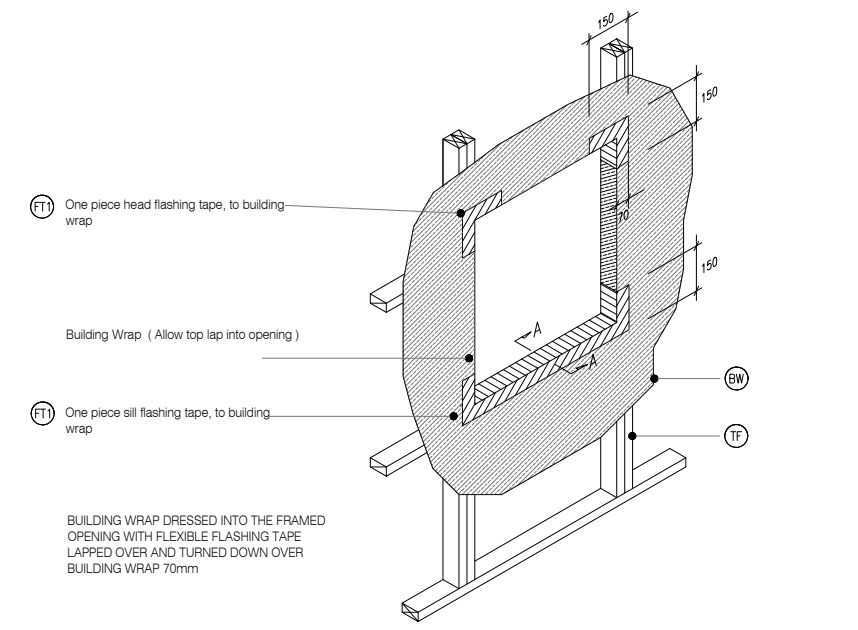
W6 TYPICAL HEAD & FLASHING JOINT
BB13 SCALE : 1 / 2 @ A1, 1 / 4 @ A3



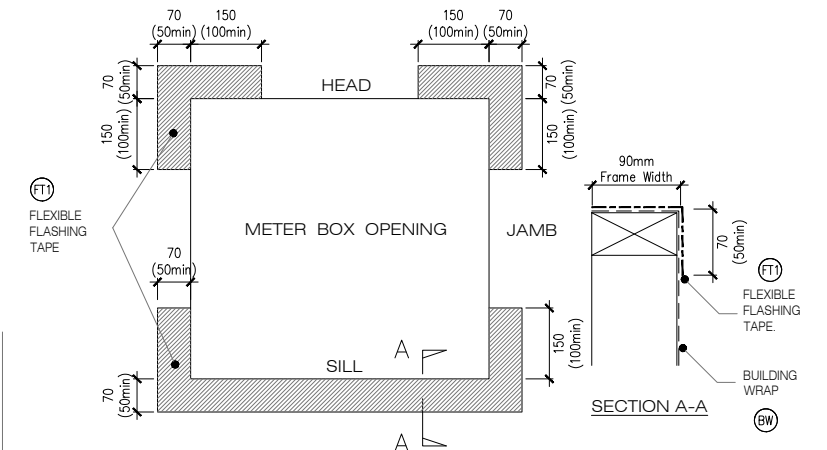
M1 METER BOX HEAD
BB30 Cavity Fix - Board & Batten System
SCALE 1:2 @ A1, 1:4 @ A3



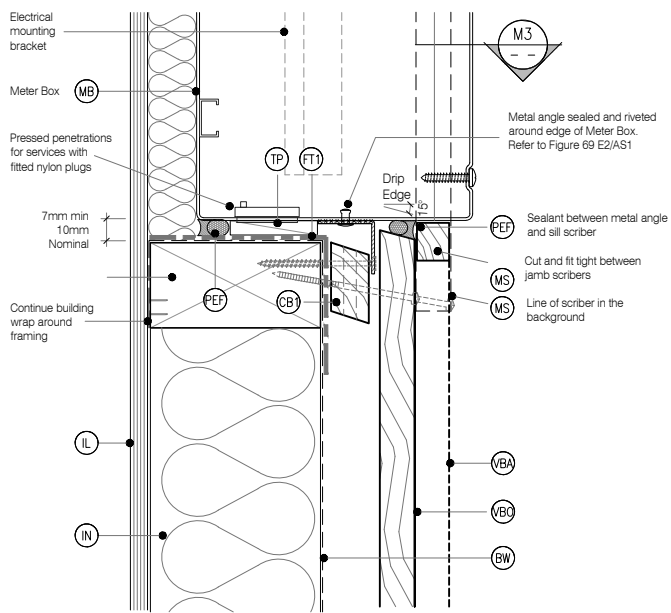
M3 METER BOX JAMB
BB32 Cavity Fix - Board & Batten System
SCALE 1:2 @ A1, 1:4 @ A3



M4 TYPICAL METER BOX OPENING (FLASHING TAPE)
BB33 SCALE : N.T.S



M5 FLEXIBLE BUILDING WRAP AT OPENING
BB33 SCALE : 1 / 5 @ A1, 1 / 10 @ A3



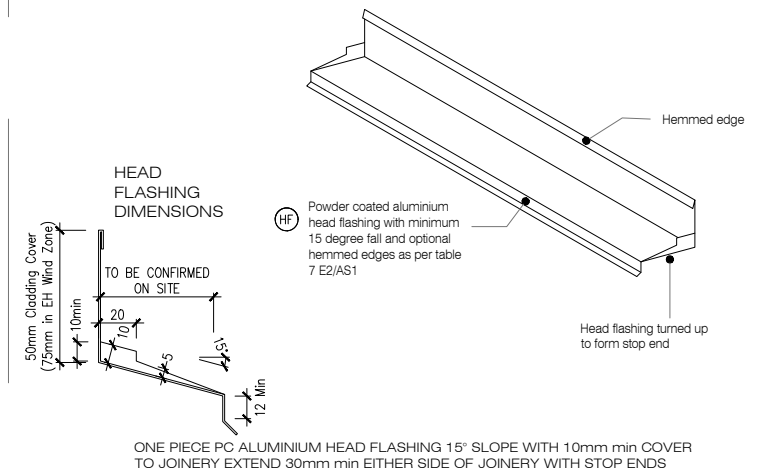
M2 METER BOX SILL
BB31 Cavity Fix - Board & Batten System
SCALE 1:2 @ A1, 1:4 @ A3

LEGEND :

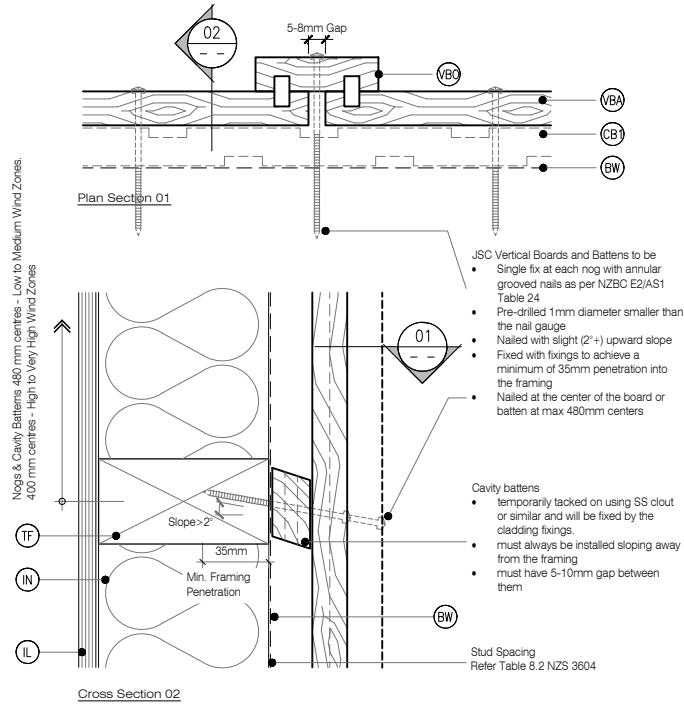
- (BW)** BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23, In extra high wind zones, Rigid Underlay required (9.1.7.2 E2/AS1)
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- (CC)** CAVITY CLOSURE: Cavity closure strip, positioned to give a 15mm minimum drip edge to cladding
- (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
- (IN)** INSULATION: Selected Insulation
- (MB)** METER BOX: Electrical meter box, with removable hinged door and polycarbonate viewing window
- (MS)** METER BOX SCRIBER: Sealant to back of scriber and 75 x 3.15mm 316 Stainless Steel nail in 3mm predrilled hole.
- (TF)** TIMBER FRAME: H1.2 min treated timber framing
- (TP)** TIMBER PACKER: Tan H3.2 Treated Packer
- (VBC)** VERTICAL BOARD: Selected JSC Board Profile
- (VBA)** VERTICAL BATTEN: Selected JSC Batten Profile
- (WL)** WINDOW LINER: As Specified
- (WH)** WEATHERHEAD: (OPTIONAL) Selected JSC Horizontal batten above meter box as necessary to suit profile, shaped to shed water, sealant to back of head scriber

GENERAL NOTES:

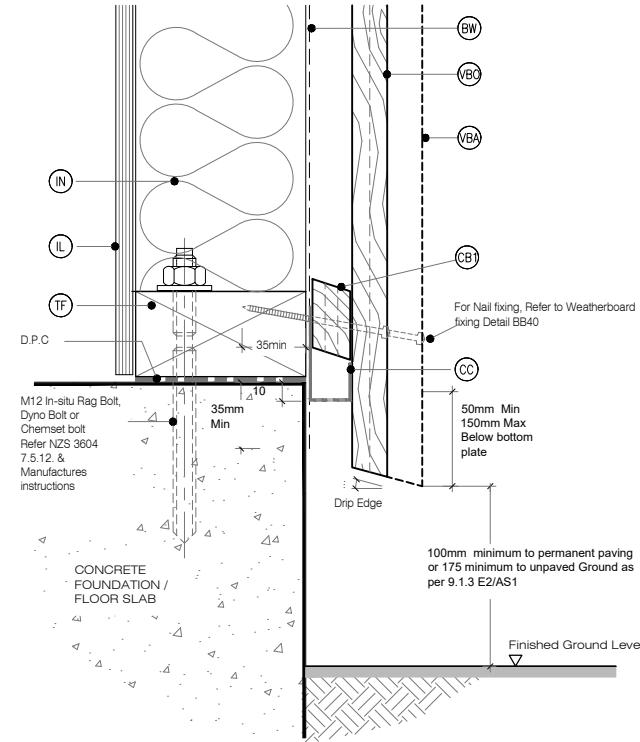
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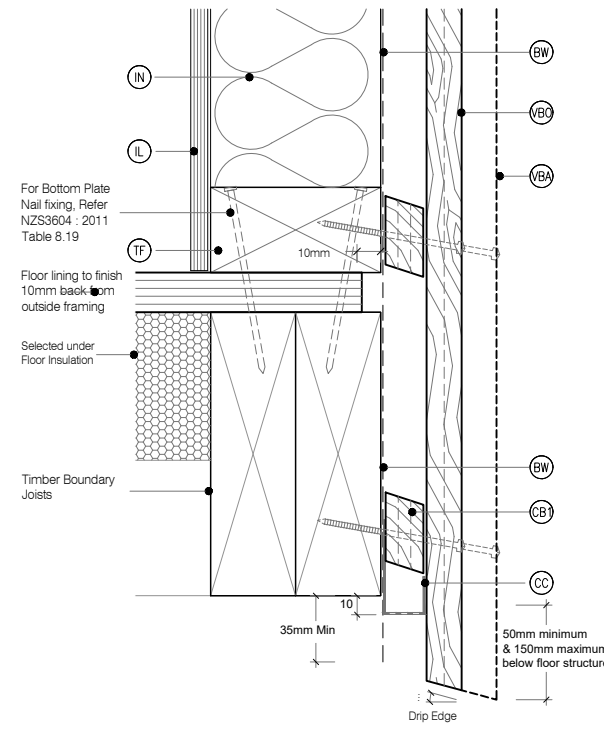
M6 TYPICAL HEAD & FLASHING JOINT
BB33 SCALE : 1 / 2 @ A1, 1 / 4 @ A3



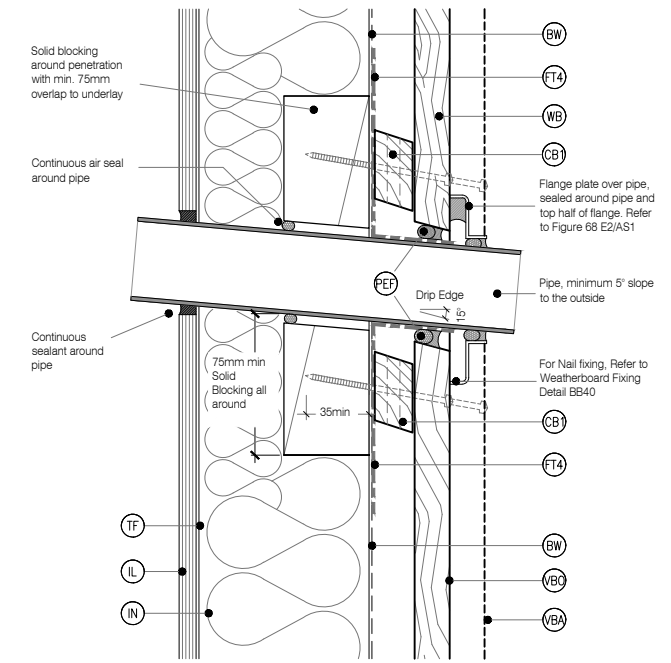
C1 WEATHERBOARD FIXING
BB40
Cavity Fix - Board & Batten System
SCALE 1:2 @ A1, 1:4 @ A3



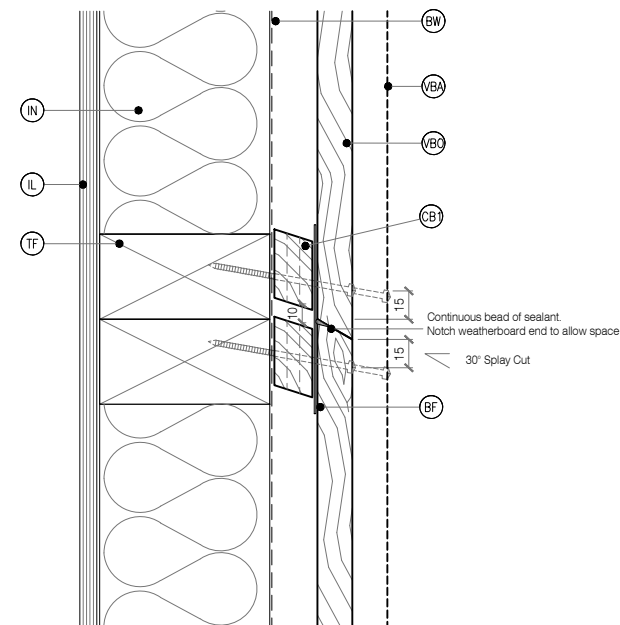
C3 BASE OF WALL, CONCRETE
BB42
Cavity Fix - Board & Batten System
SCALE 1:2 @ A1, 1:4 @ A3



C4 BASE OF WALL, TIMBER
BB43
Cavity Fix - Board & Batten System
SCALE 1:2 @ A1, 1:4 @ A3



C5 PIPE PENETRATION
BB44
Cavity Fix - Board & Batten System
SCALE 1:2 @ A1, 1:4 @ A3



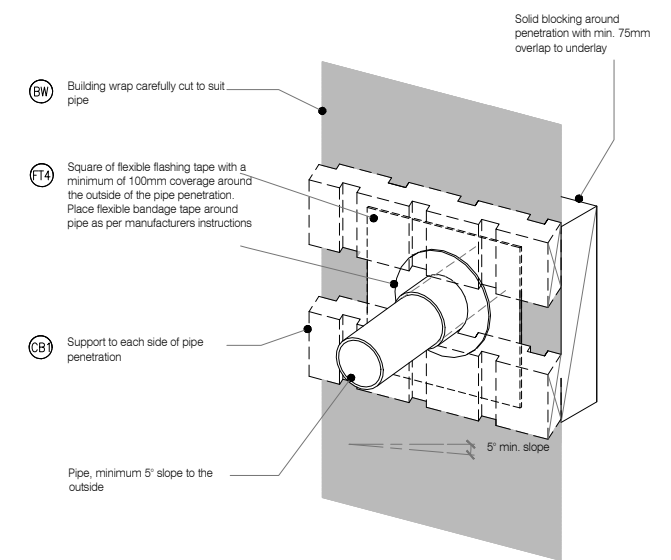
C2 WEATHERBOARD SCARF JOINT
BB41
Cavity Fix - Board & Batten System
SCALE 1:2 @ A1, 1:4 @ A3

LEGEND :

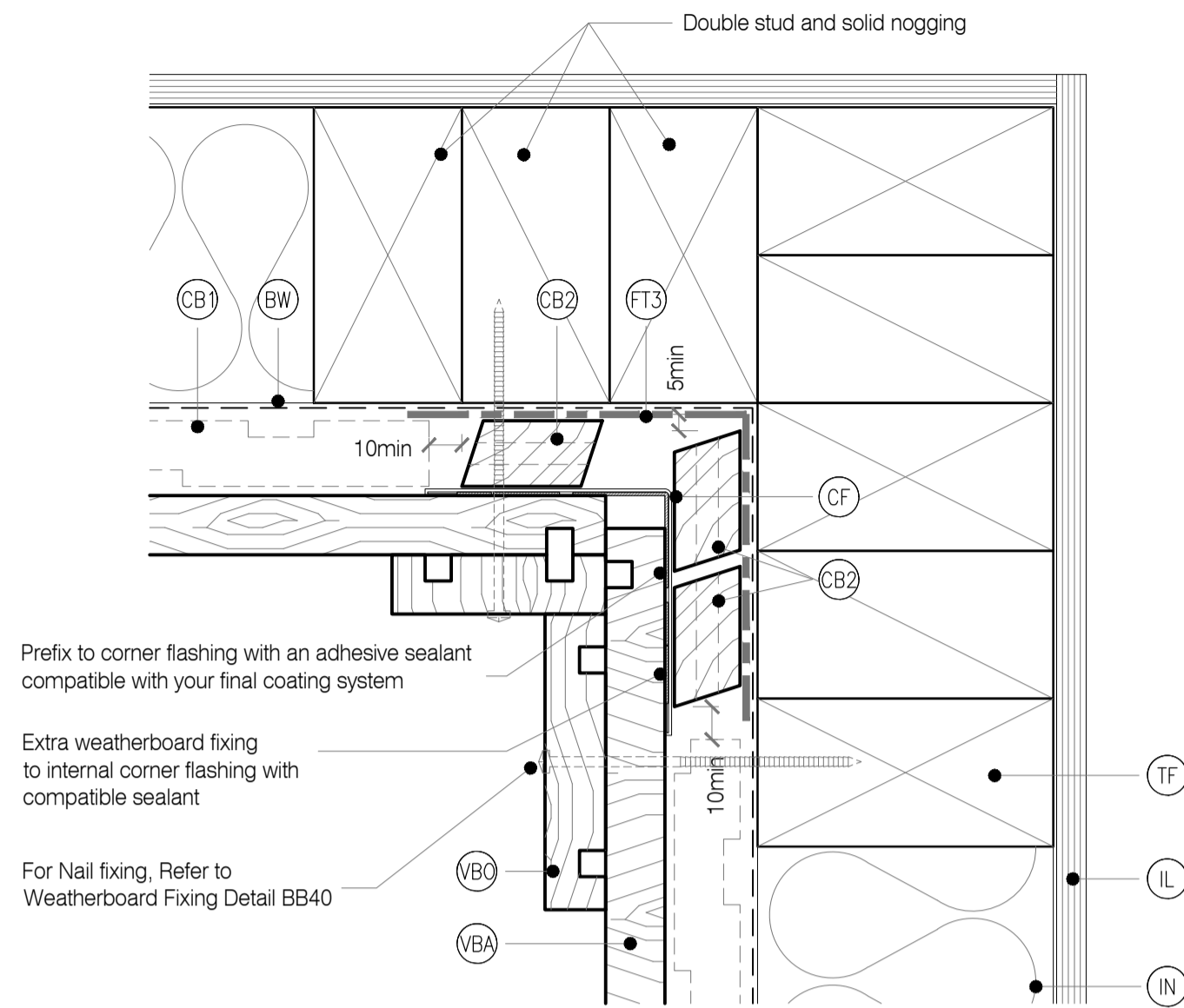
- BF** BACK FLASHING: Minimum 100mm Polypropylene or PVC rear flashing to provide 50mm cover past the scarf joint on each side
- BW** BUILDING WRAP: Flexible Wall Underlay, as per NZBC E2/AS1 - Table 23. In extra high wind zones, Rigid Underlay required (9.1.7.2 E2/AS1)
- CB1** CAVITY BATTEN - NON STRUCTURAL : Horizontally installed JSC-U 45mm x 20mm Radiata Pine H3.2 treated, both face castellated and 18° bevelled edges.
- CC** CAVITY CLOSURE: Cavity closure strip, positioned to give a 15mm minimum drip edge to cladding
- FT4** 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
- IL** INTERNAL LINING: Selected Internal Lining
- IN** INSULATION: Selected Insulation
- TF** TIMBER FRAME: H1.2 min treated timber framing
- VBC** VERTICAL BOARD: Selected JSC Board Profile
- VBA** VERTICAL BATTEN: Selected JSC Batten Profile

GENERAL NOTES:

1. JSC Board & Batten System must be installed by a suitably qualified and experienced trade person. Where Restricted Building Work (RBW) applied the installer shall be a Licensed Building Practitioner (LBP) or supervised by LBP.
2. Weatherboards must be dry and free of any contamination.
3. Board lengths must be optimised prior the installation to avoid any unnecessary wastage and joints.
4. Any loose or bark encased knots or other timber defects need to be removed.
5. Weatherboards must be coated with exterior grade premium coating on all 4 sides in accordance with coating manufacturer specification.
6. Where weatherboards have an exposed bottom edge, the back of the boards should be cut with a 15° drip edge and cut end should be coated up to 75-150mm up from the bottom edge.
7. Cavity closer/vermin proofing must be installed continuously around the bottom of the cavity.
8. Cavity closer/vermin proofing openings must be kept clear and unobstructed to maintain draining and venting of the cavity.
9. For windows and doors, head flashing stop ends must be in place.
10. Flashings at corners, doors, windows and wall intersections must be installed to prevent water from entering the cavity.



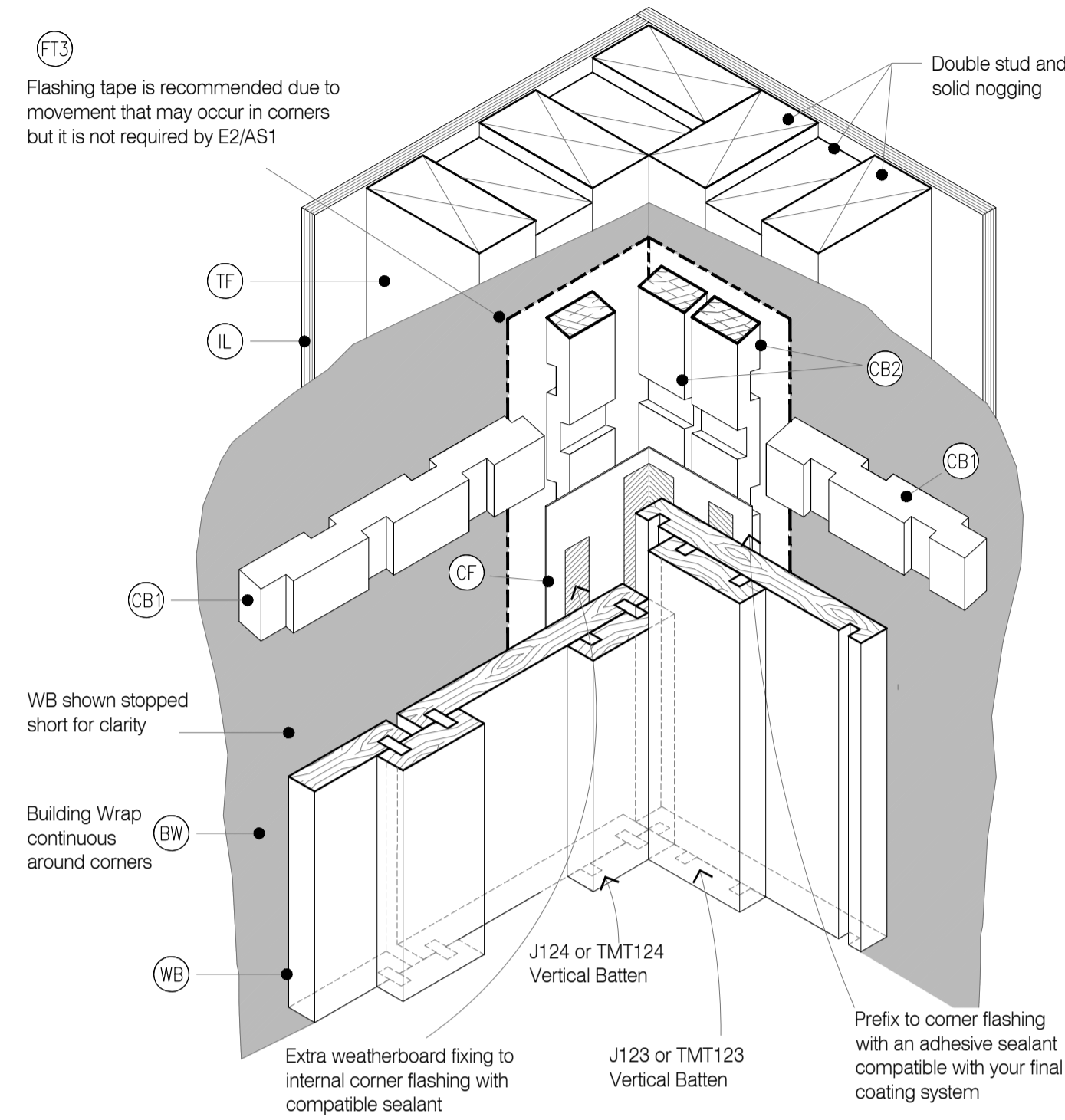
C6 3D PIPE PENETRATION
BB45
Cavity Fix - Board & Batten System
SCALE : N.T.S



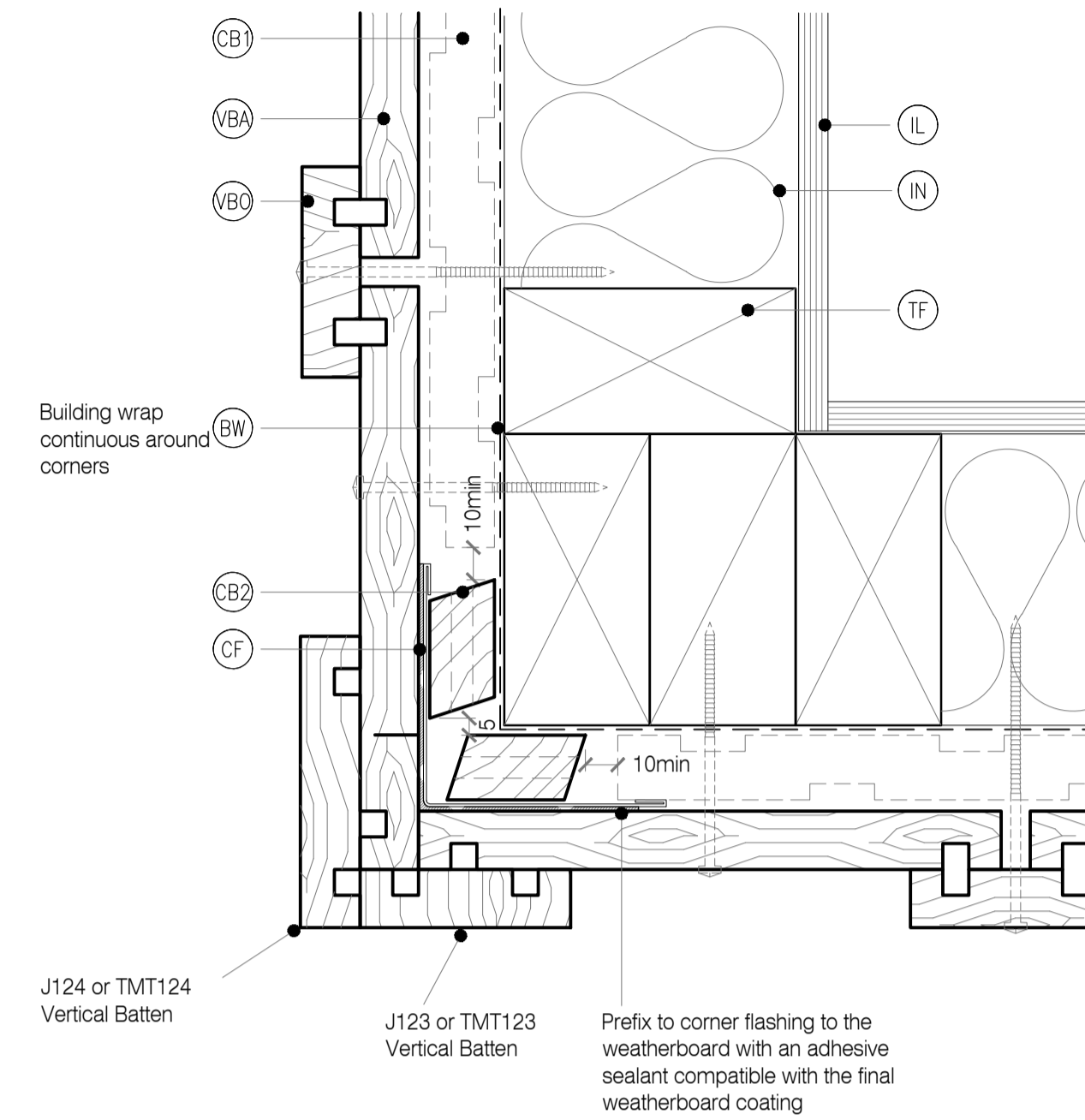
DETAIL NOTES :

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.

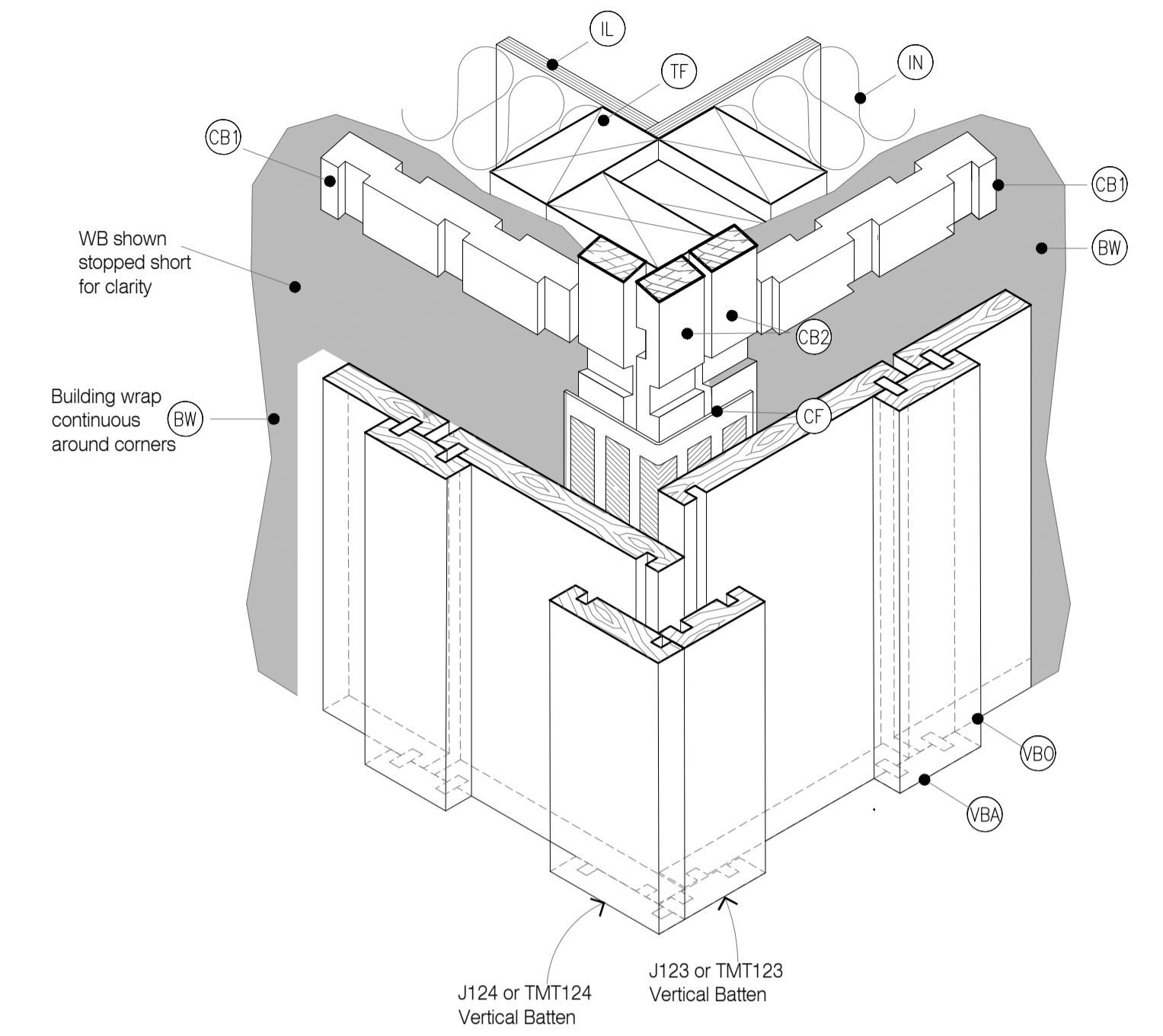
C16 INTERNAL CORNER DETAIL
 Cavity Fix - Board & Batten System
 SCALE 1:2 @ A1, 1:4 @ A3



C17 3D INTERNAL CORNER - J44
 Cavity Fix - Board & Batten System
 SCALE : N.T.S



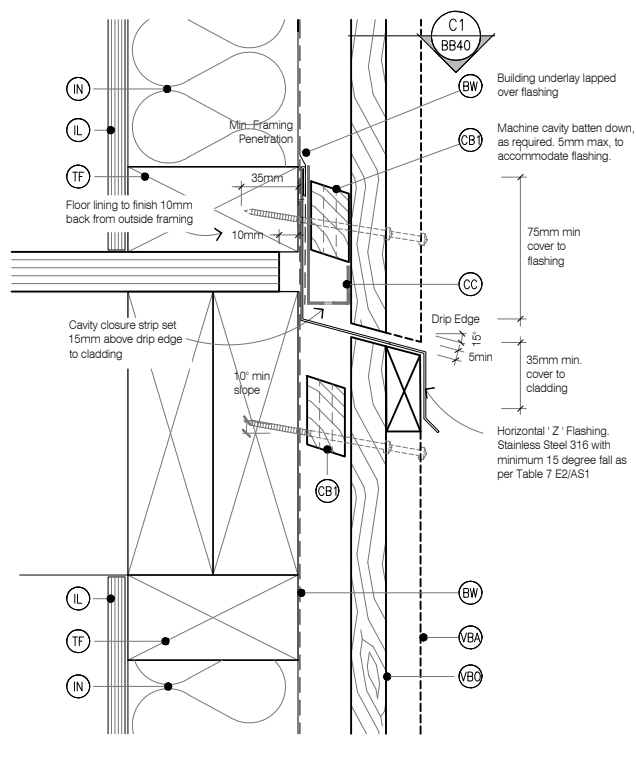
C18 INTERNAL CORNER
 Cavity Fix - Board & Batten System
 SCALE 1:2 @ A1, 1:4 @ A3



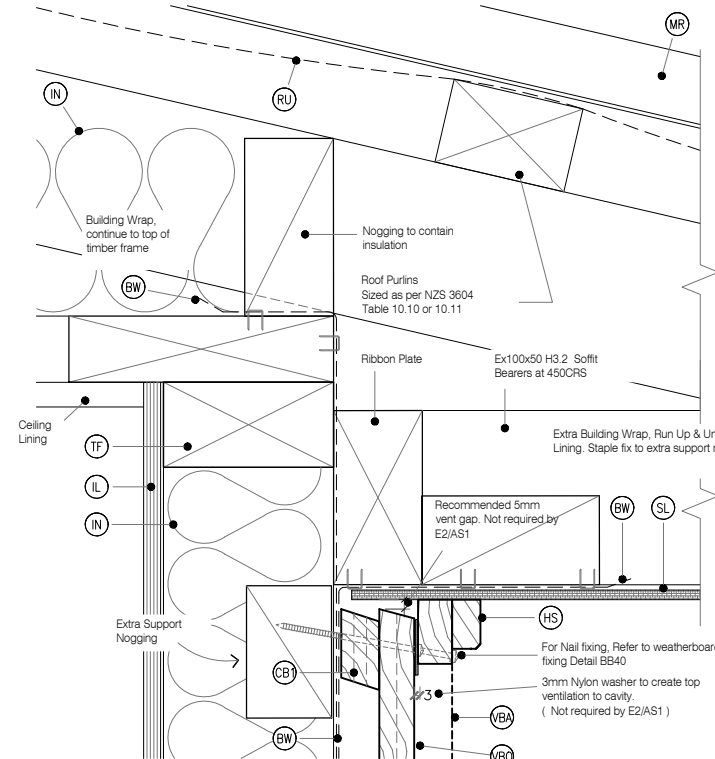
C19 3D INTERNAL CORNER
 Cavity Fix - Board & Batten System
 SCALE : N.T.S

LEGEND :

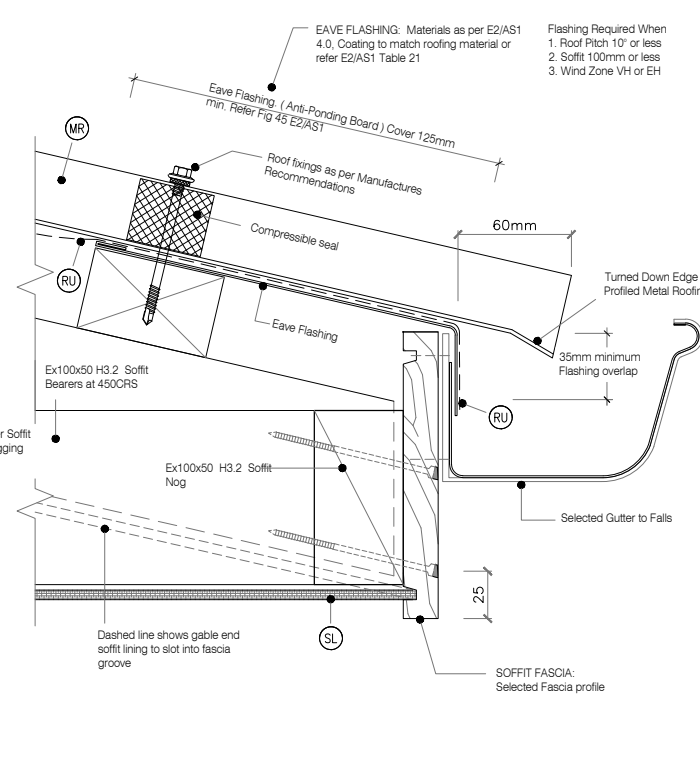
- | <p>(BW) BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23, In extra high wind zones, Rigid Underlay required (9.1.7.2 E2/AS1)</p> <p>(CB1) CAVITY BATTEN - NON STRUCTURAL : Horizontally installed JSC-U 45mm x 20mm Radiata Pine H3.2 treated, both face castellated and 18° bevelled edges.</p> <p>(CB2) CAVITY BATTEN - NON STRUCTURAL : Vertically installed JSC-U 45mm x 20mm Radiata Pine H3.2 treated, both face castellated and 18° bevelled edges. Site machined to allow for flashing.</p> | <p>(CF) CORNER FLASHING: Aluminium, PVC or Stainless Steel corner flashing. Refer NZBC E2/AS1 Section 4.3 'Acceptable flashing materials' Minimum Flashing Size (mm) as per NZBC E2/AS1 Section 4.5.1:</p> <table border="1"> <thead> <tr> <th>FLASHING TYPE</th> <th>L, M, H & VH Wind Zones</th> <th>EH Wind Zones</th> </tr> </thead> <tbody> <tr> <td>Hemmed</td> <td>50x50</td> <td>75x75</td> </tr> <tr> <td>Unhemmed</td> <td>75x75</td> <td>100x100</td> </tr> </tbody> </table> <p>(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</p> | FLASHING TYPE | L, M, H & VH Wind Zones | EH Wind Zones | Hemmed | 50x50 | 75x75 | Unhemmed | 75x75 | 100x100 | <p>(IL) INTERNAL LINING: Selected Internal Lining</p> <p>(IN) INSULATION: Selected Insulation</p> <p>(TF) TIMBER FRAME: H1.2 min treated timber framing</p> <p>(VBC) VERTICAL BOARD: Selected JSC Board Profile</p> <p>(VBA) VERTICAL BATTEN: Selected JSC Batten Profile</p> |
|--|--|---------------|-------------------------|---------------|--------|-------|-------|----------|-------|---------|--|
| FLASHING TYPE | L, M, H & VH Wind Zones | EH Wind Zones | | | | | | | | | |
| Hemmed | 50x50 | 75x75 | | | | | | | | | |
| Unhemmed | 75x75 | 100x100 | | | | | | | | | |



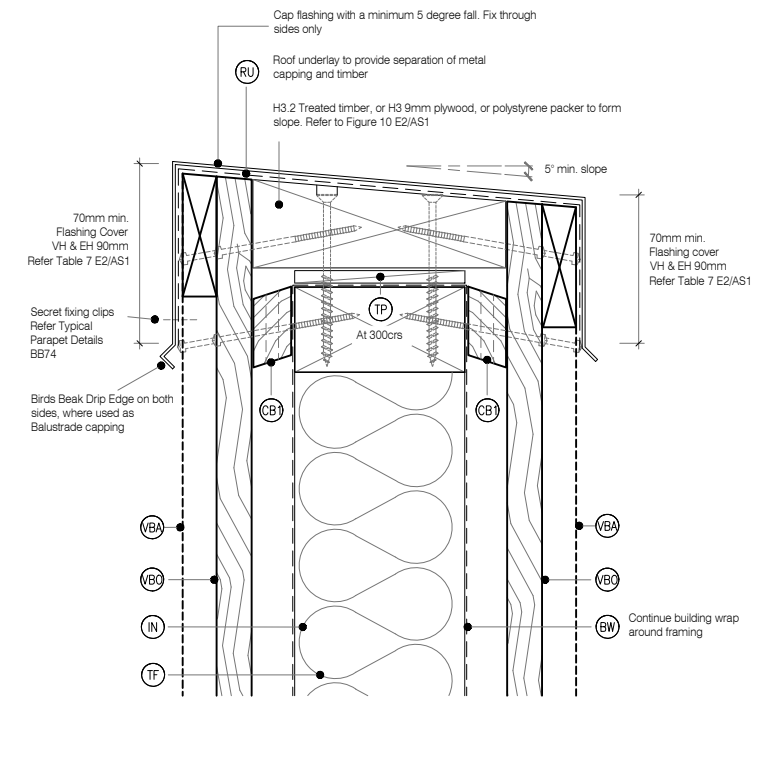
C17 DRAINED INTER-STOREY JOINT
BB80 Cavity Fix - Board & Batten System
 SCALE 1:2 @ A1, 1:4 @ A3



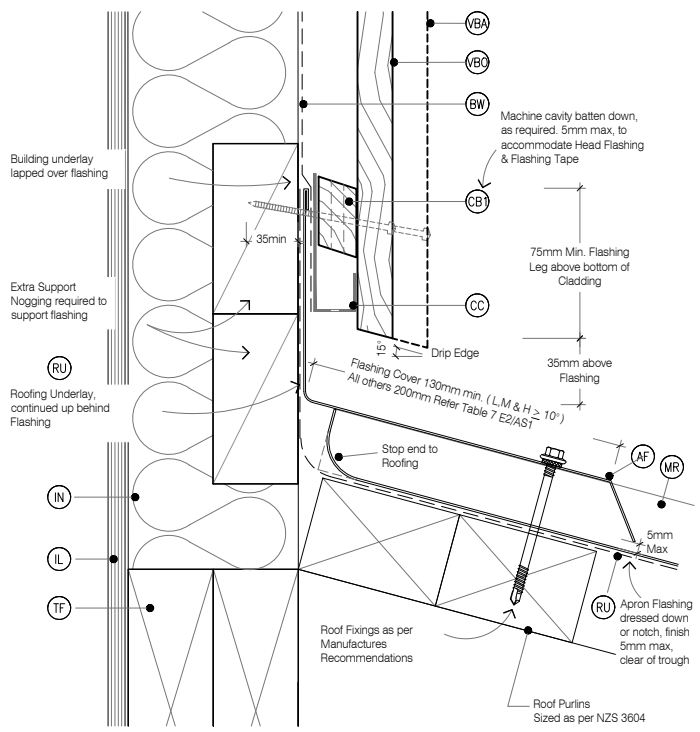
C18 SOFFIT DETAIL AT WALL
BB82 Cavity Fix - Board & Batten System
 SCALE 1:2 @ A1, 1:4 @ A3



C19 SOFFIT DETAIL AT FASCIA
BB83 Cavity Fix - Board & Batten System
 SCALE 1:2 @ A1, 1:4 @ A3



C21 BALUSTARDE CAPPING OR PARAPET DETAIL
BB84 Cavity Fix - Board & Batten System
 SCALE 1:2 @ A1, 1:4 @ A3



C18 APRON FLASHING ROOF TO WALL JUNCTION
BB81 Cavity Fix - Board & Batten System
 SCALE 1:2 @ A1, 1:4 @ A3

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, Rigid Underlay required (9.1.7.2 E2/AS1)
- CB1** CAVITY BATTEN - NON STRUCTURAL : Horizontally installed JSC-U 45mm x 20mm Radiata Pine H3.2 treated, both face castellated and 18° bevelled edges.
- 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
- HS** HEAD SOFFIT SCRIBER: JSC 27 mm x 40 mm Fix with 75 x 3.15mm 316 S.S nail in 2.5mm predrilled hole
- MR** METAL ROOFING : Selected Metal Roofing
- SL** SOFFIT LINING: JSC Soffit Lining
- TF** TIMBER FRAME: H1.2 min treated timber framing
- TP** TIMBER PACKER: Cant Strip, H3.2 Treated at 300crs to allow ventilation over the top of the wall.
- RU** ROOFING UNDERLAY: Selected Roofing Underlay As Per AS/AZS4200 with Mesh or Self Supported
- VBO** VERTICAL BOARD: Selected JSC Board Profile
- VBA** WEATHERBOARD: Selected JSC Board & Batten Weatherboard

GENERAL NOTES

1. All Board & Batten Systems must be installed by a suitably qualified and experienced trade person. Where Restricted Building Work (RBW) applied the installer shall be a Licensed Building Practitioner (LBP) or supervised by LBP.
2. Weatherboards must be dry and free of any contamination.
3. Board lengths must be optimised prior the installation to avoid any unnecessary wastage and joints.
4. Any loose or bark encased knots or other timber defects need to be removed.
5. Weatherboards must be coated with exterior grade premium coating on all 4 sides in accordance with coating manufacturer specification.
6. Where weatherboards have an exposed bottom edge, the back of the boards should be cut with a 15° drip edge and cut end should be coated up to 75-150mm up from the bottom edge.
7. Cavity closer/vermin proofing must be installed continuously around the bottom of the cavity.
8. Cavity closer/vermin proofing openings must be kept clear and unobstructed to maintain draining and venting of the cavity.
9. For windows and doors, head flashing stop ends must be in place.
10. Flashings at corners, doors, windows and wall intersections must be installed to prevent water from entering the cavity.