



NU-WALL EXTRUDED ALUMINIUM CLADDING

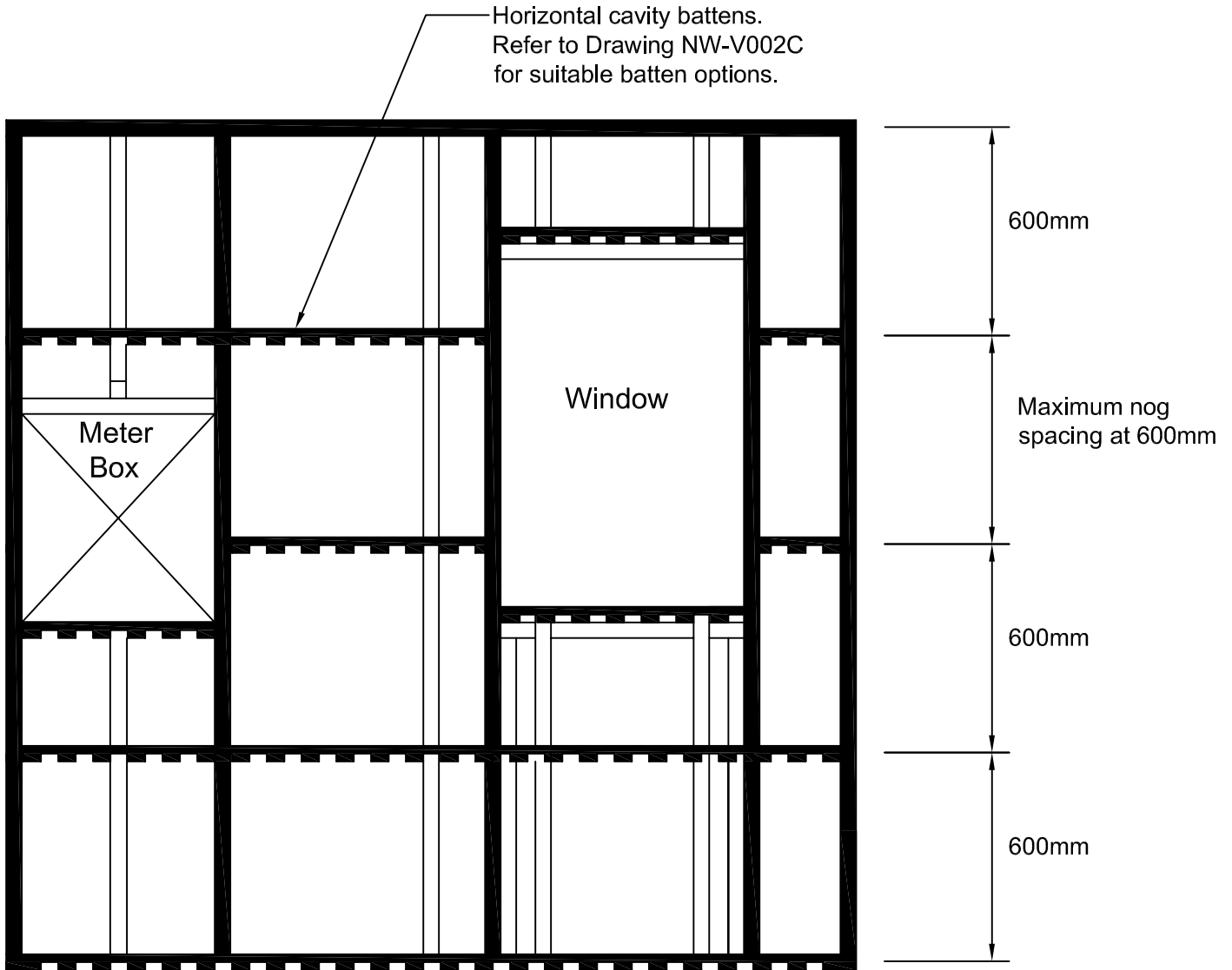
Installation Specifications – Vertical orientation (over cavity)

1. NW-V001C; Cavity batten layout
2. NW-V002C; Battening options
3. NW-V002C; Battening option – steel framing
4. NW-V003C; Base channel & fixing detail
5. NW-V004C; Base channel over timber floor
6. NW-V005C; Base channel over water proof deck
7. NW-S004; Base channel mitred corner detail
8. NW-V006C; Base channel / external 90° corner isometric
9. NW-V007C; External 90° corner
10. NW-V007C.2; 1 Piece external 90° corner (35mm x 70mm box option)
11. NW-V007C.3; 1 Piece external 90° corner (negative detail option)
12. NW-V008C; Internal 90° corner
13. NW-V008C.2; Internal 90° corner (negative detail option)
14. NW-V008C.3; Top hat feature 35mm x 70mm
15. NW-V009C; Horizontal joint
16. NW-V010C; Window sill section
17. NW-V010C.2; Window sill section (NC247 & NC248 option)
18. NW-V011C; Window jamb section
19. NW-V011C.2; E Series board negative detail filler
20. NW-V011C.3; Window jamb section (NC247 & NC248 option)
21. NW-V012C; Window head section
22. NW-V013C; Window head & sill soaker flashing detailing

April 2019



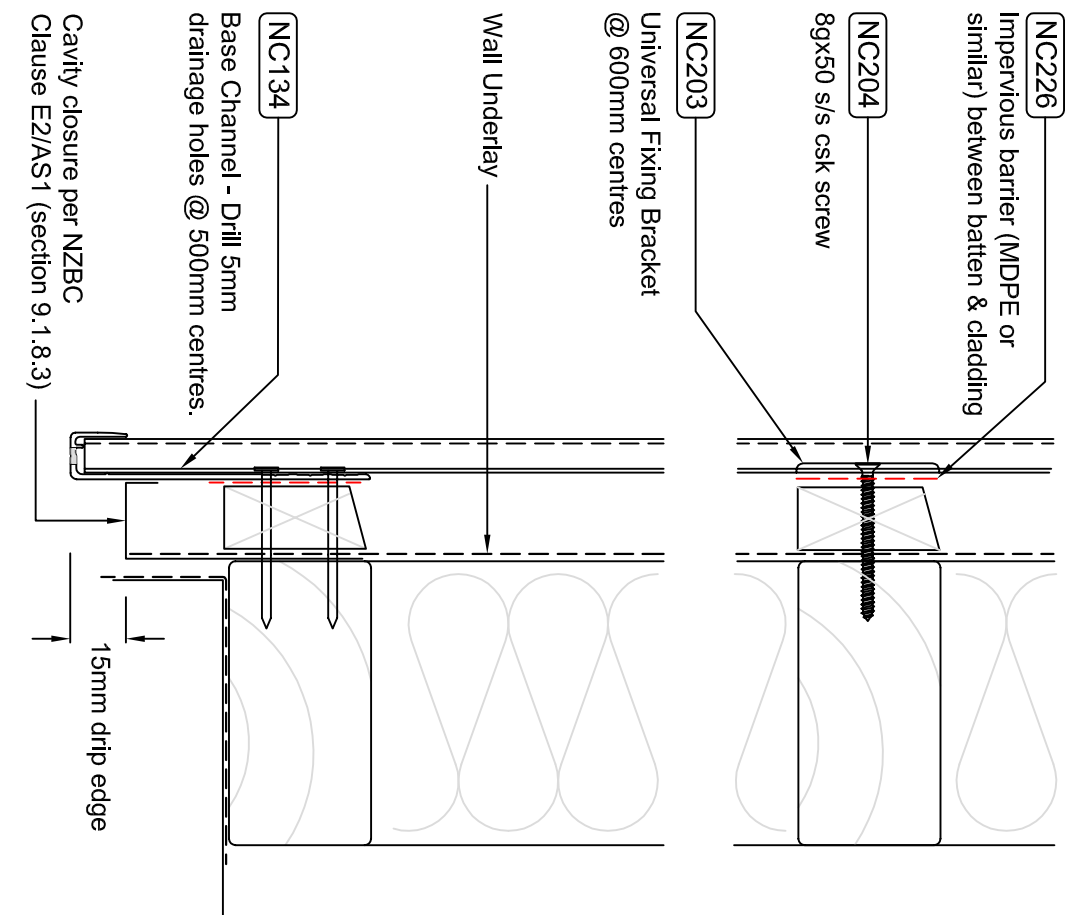
- 23.NW-V014C; window head flashing end detail
- 24.NW-V015C; Meter box sill section
- 25.NW-V016C; Meter box jamb section
- 26.NW-V017C; Meter box head section
- 27.NW-V018C; Soffit trim section
- 28.NW-V019C; Pipe penetration
- 29.NW-V020C; Roof / wall junction
- 30.NW-V021C; Parapet flashing
- 31.NW-V022C; Deck junction
- 32.NW-V023C; Gutter / wall junction



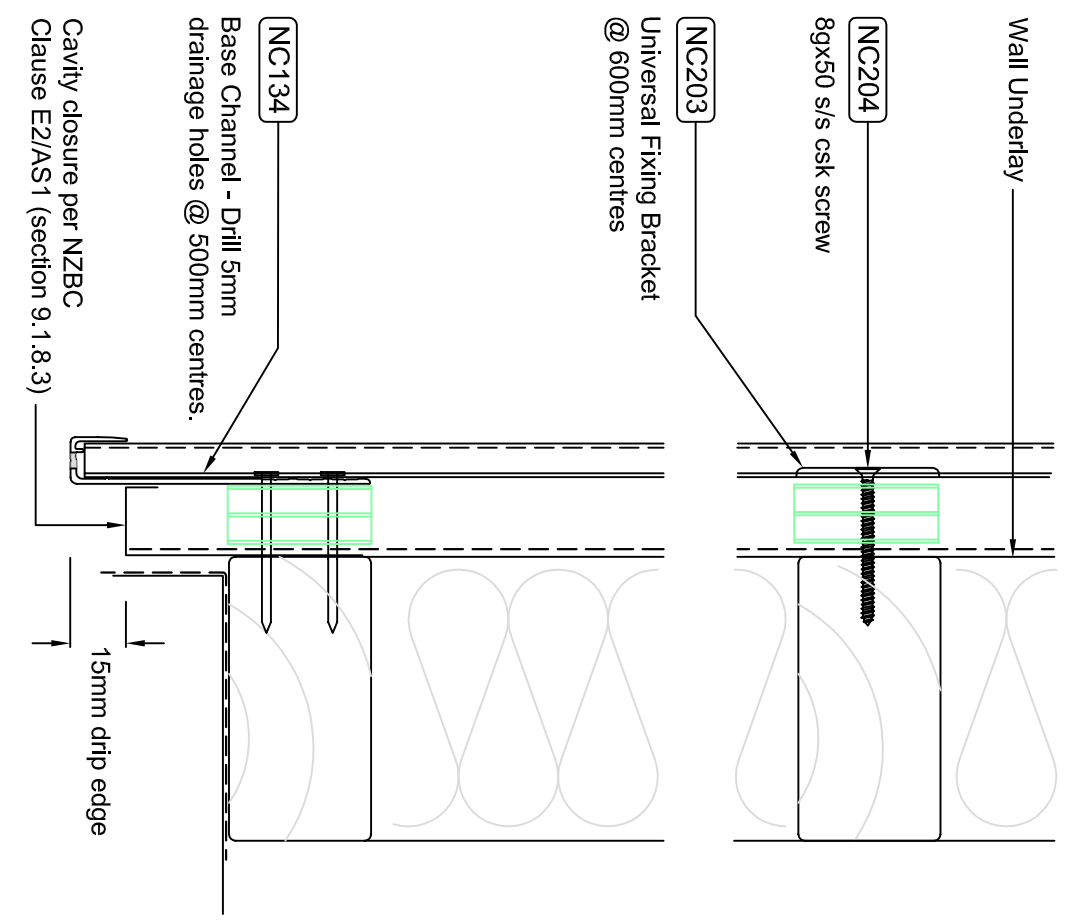
NW-V001C - Vertical Cladding over Drained & Vented Cavity Batten Layout
Scale NTS

1. USING TREATED TIMBER BATTEN

NOTE: Battens should have castellated profile to permit air passage and minimum 15° slope to top edge to shed water



2. USING CAVIBAT PLASTIC BATTEN

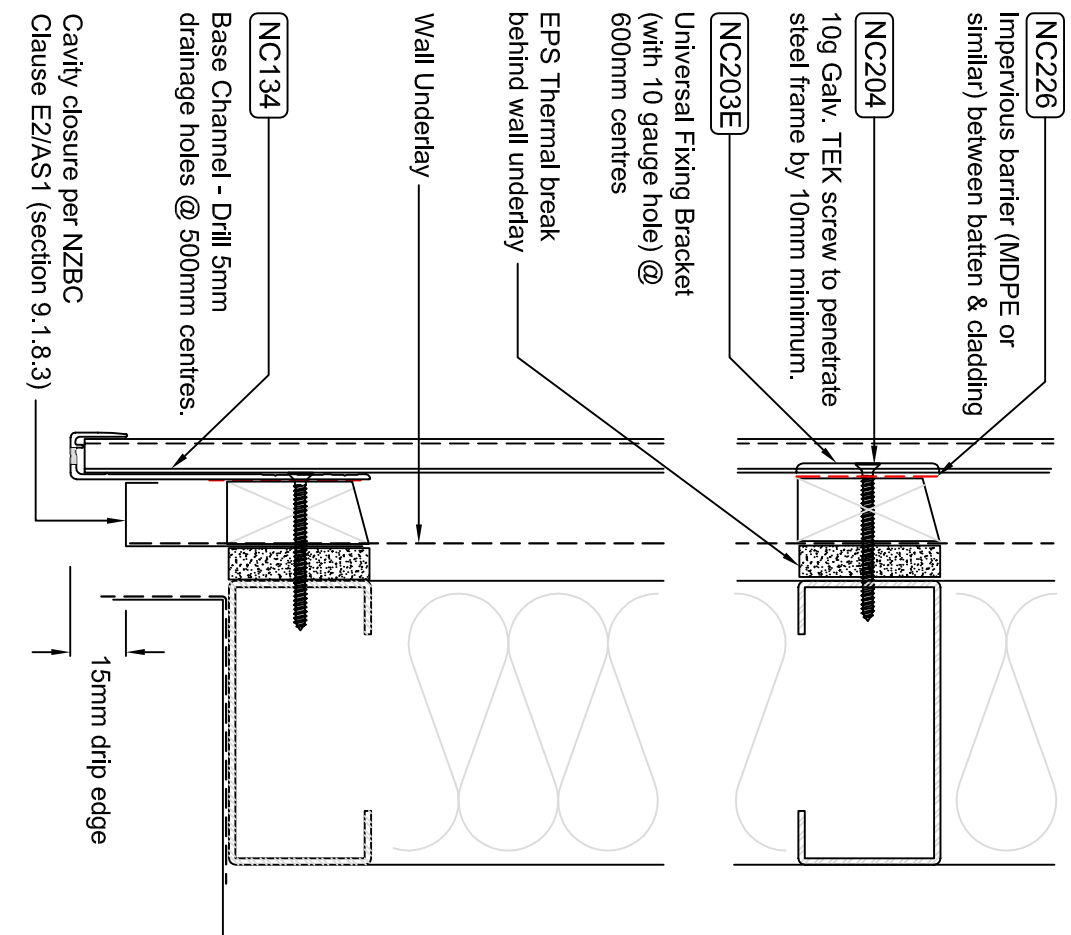


NW-V002C - Vertical Cladding over Drained & Vented Cavity Battening Options

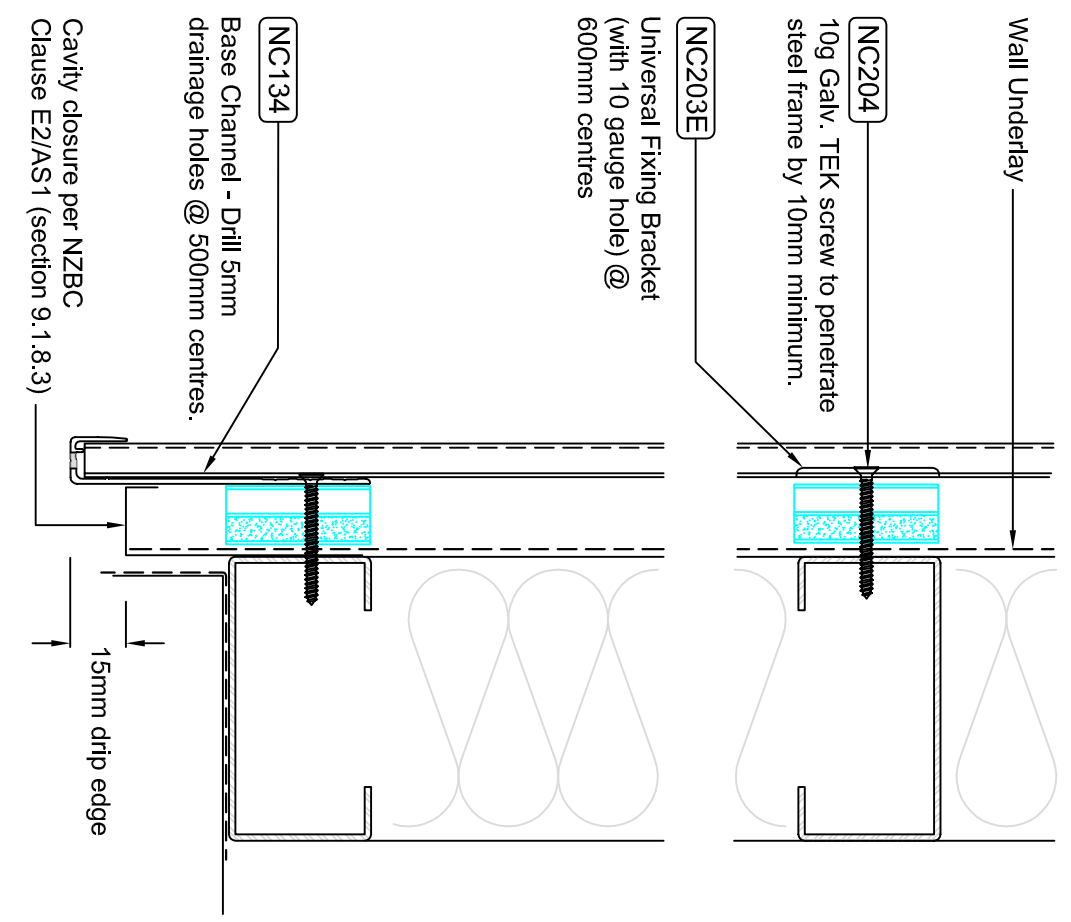
Scale NTS

1. USING TREATED TIMBER BATTEN

NOTE: Battens should have castellated profile to permit air passage and minimum 15° slope to top edge to shed water



2. USING CAVIBAT R PLASTIC BATTEN



NW-V002C - Vertical Cladding over Drained & Vented Cavity Battening Options on Steel Frame
Scale NTS

NOTE:

Standard fixing spec. for timber framing shown. Can vary depending upon substrate and wind load.

Horizontal cavity battens.
Refer to Drawing NW-V002C
for suitable batten options.

Wall Underlay compliant
with E2/AS1 Table 23

NC203
Universal Fixing Bracket
@ 600mm centres.

NC204
8g x 50 s/s csk screw.

NC226
Impervious barrier (MDPE or similar)
between batten & cladding.

Drained & vented cavity as per
NZBC Clause E2/AS1 (section 9.1.8)

2.8mm x 50mm Hot Dip Galv
Clout staggered @ 300 centres.

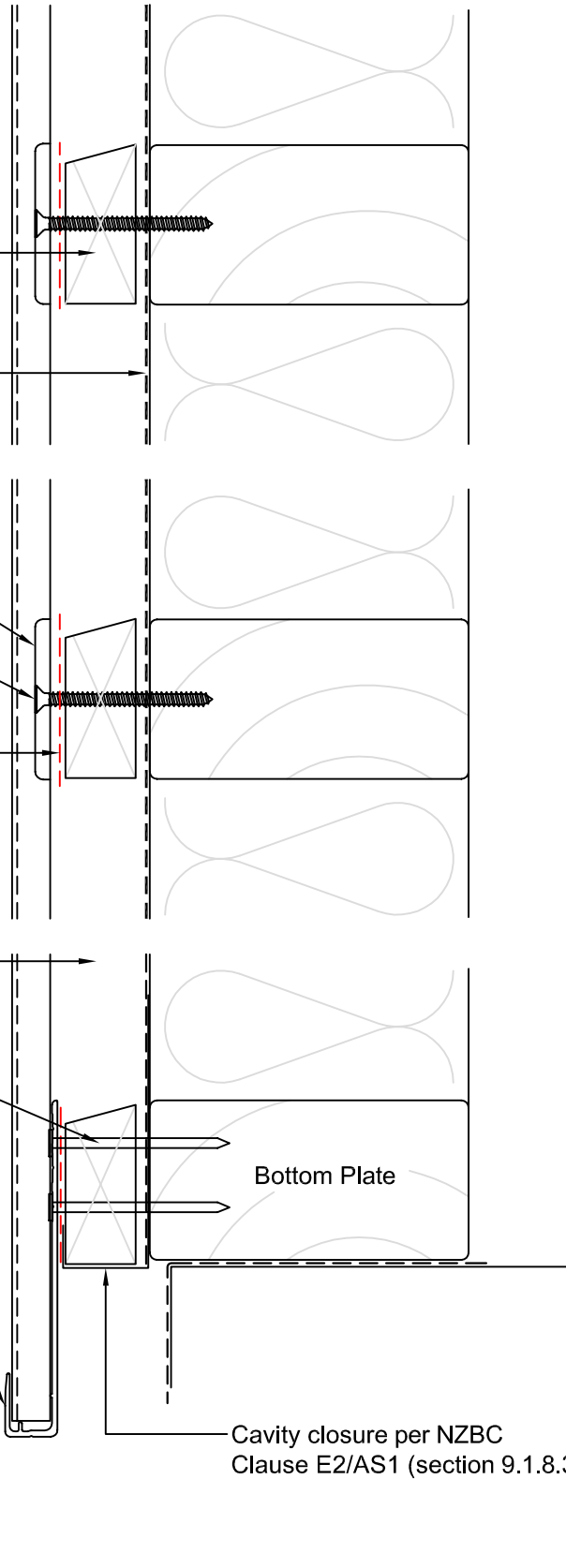
NC134
Base Channel - Drill 5mm
drainage holes @ 500mm centres.

50mm minimum

Bottom Plate

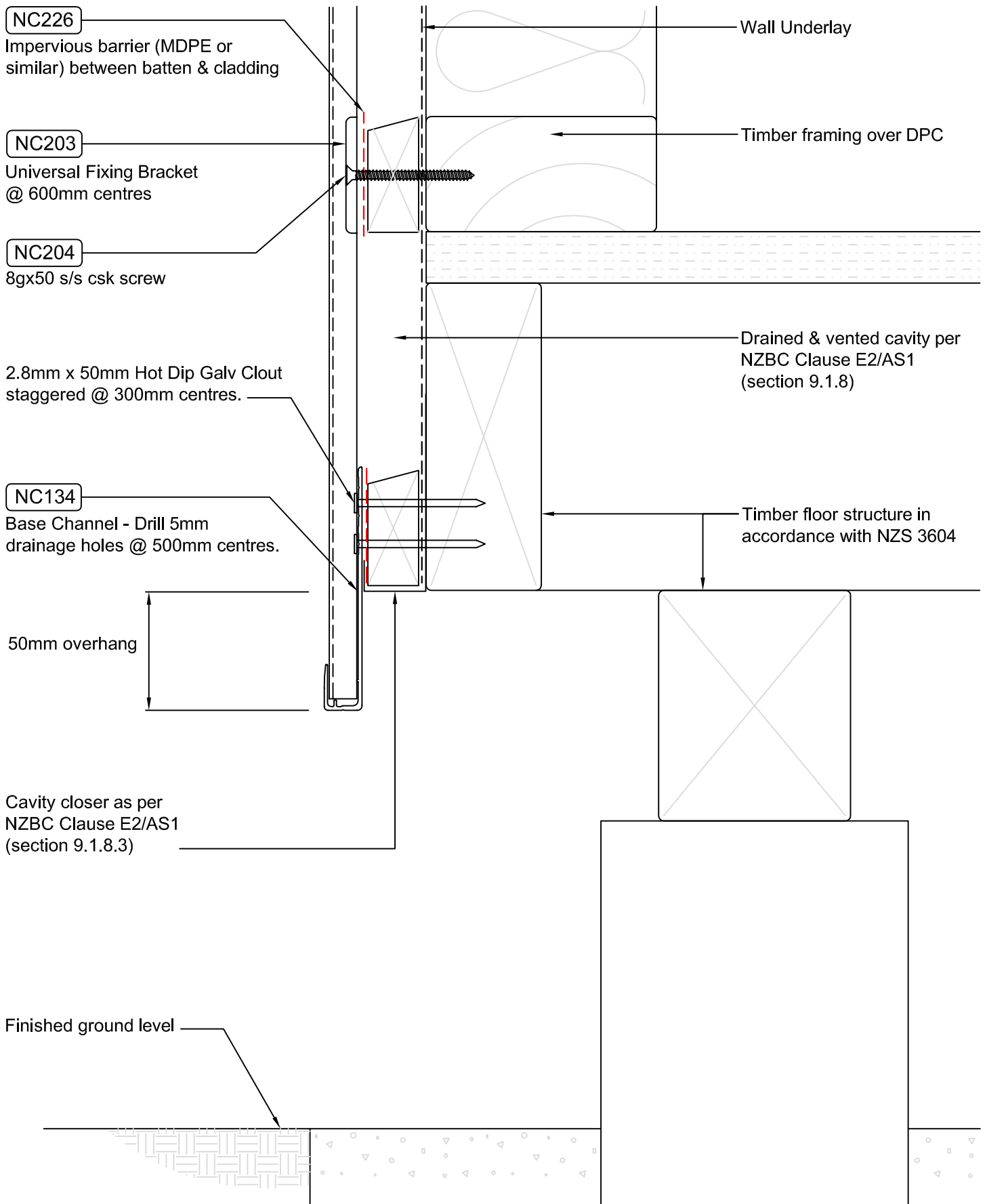
Cavity closure per NZBC
Clause E2/AS1 (section 9.1.8.3)

100mm to permanent paving or
175mm to unfinished ground



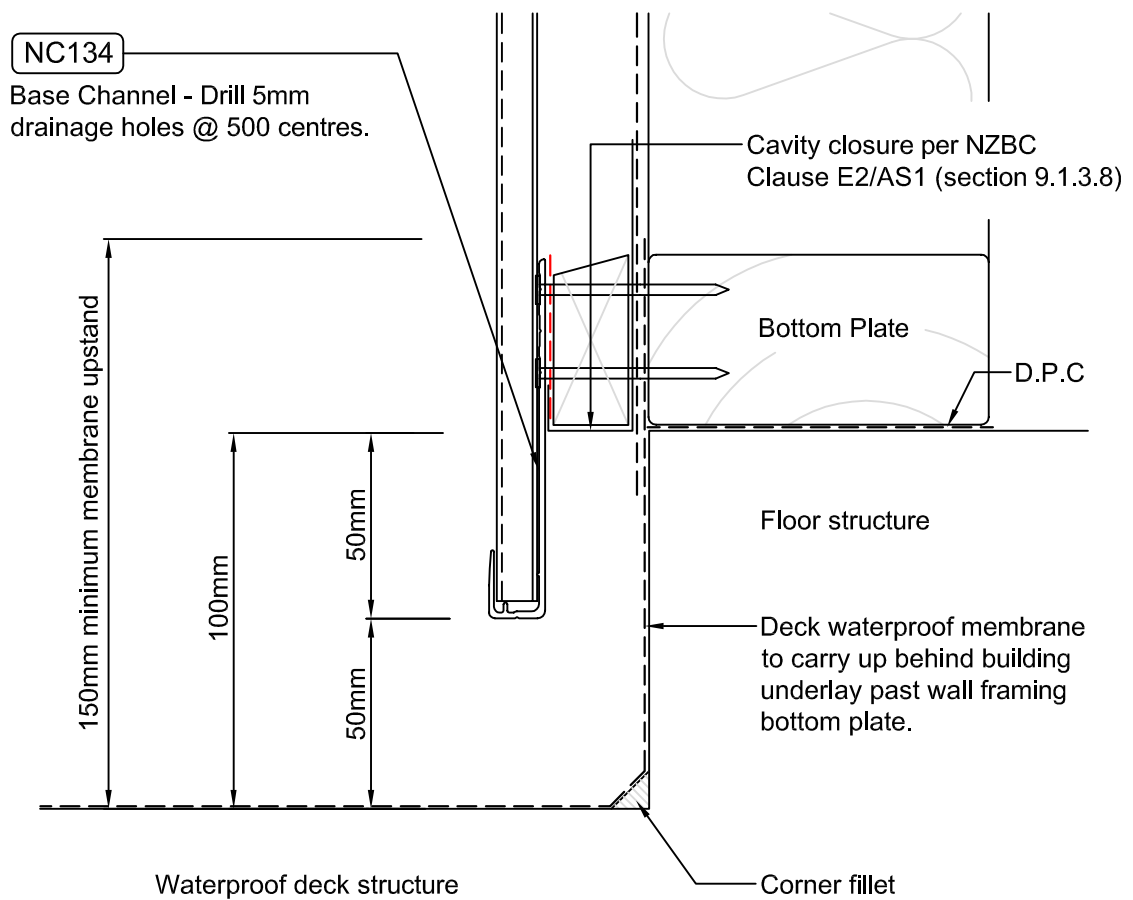
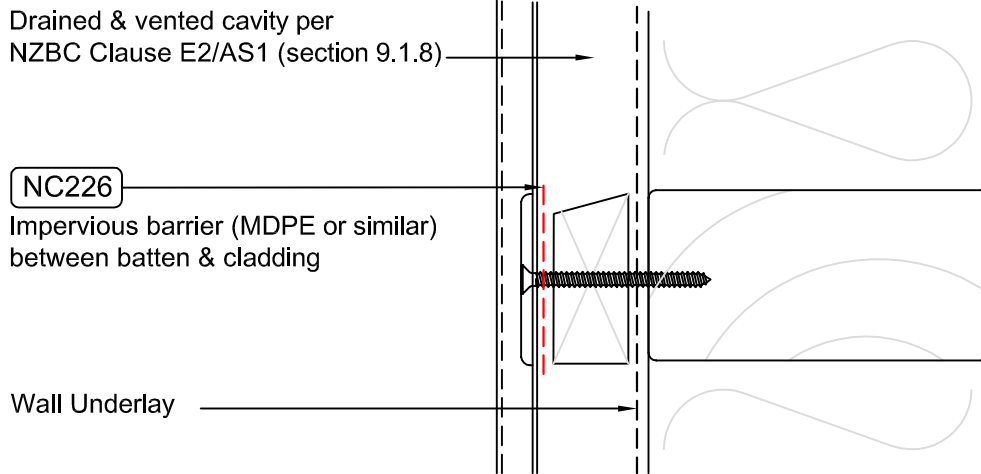
NW-V003C - Vertical Cladding over Drained & Vented Cavity Base Channel & Fixing

Scale 1:2



NW-V004C - Vertical Cladding over Drained & Vented Cavity Starter; Timber Floor

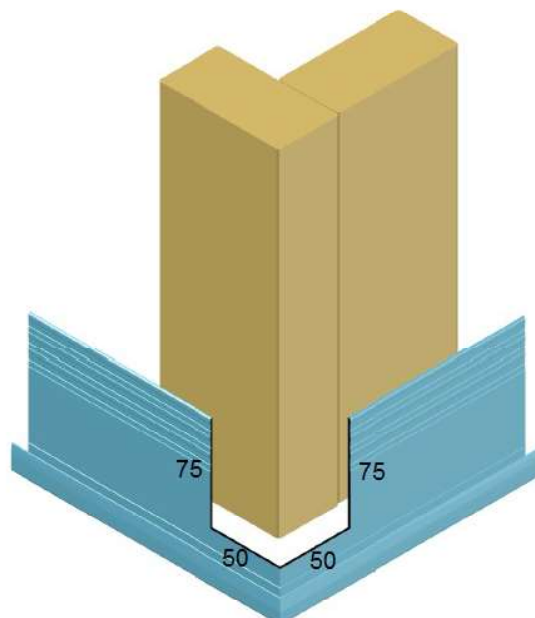
Scale 1:2



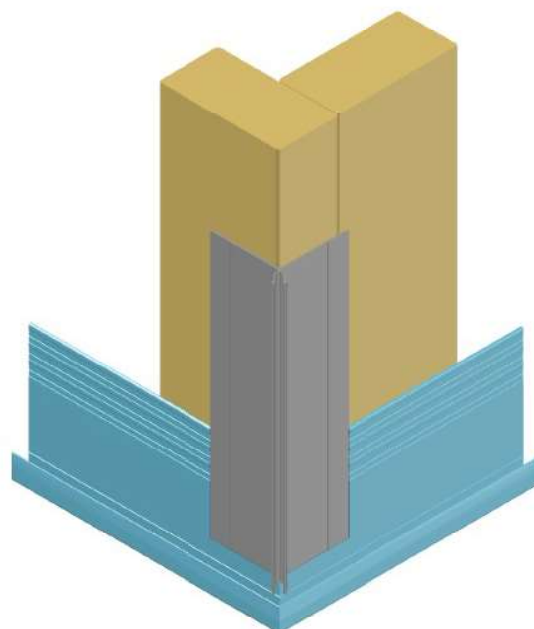
NW-V005C - Vertical Cladding over Drained & Vented Cavity Starter; Waterproof Deck

Scale 1:2

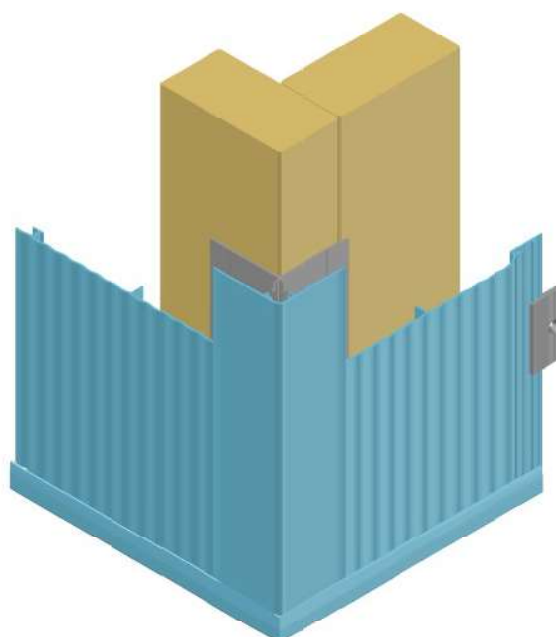
1. Cut ends of NC134 at 45 degrees. Check out rear upstand on both ends; 75mm high x 50mm wide. Fit NC134 to achieve mitred corner as shown.

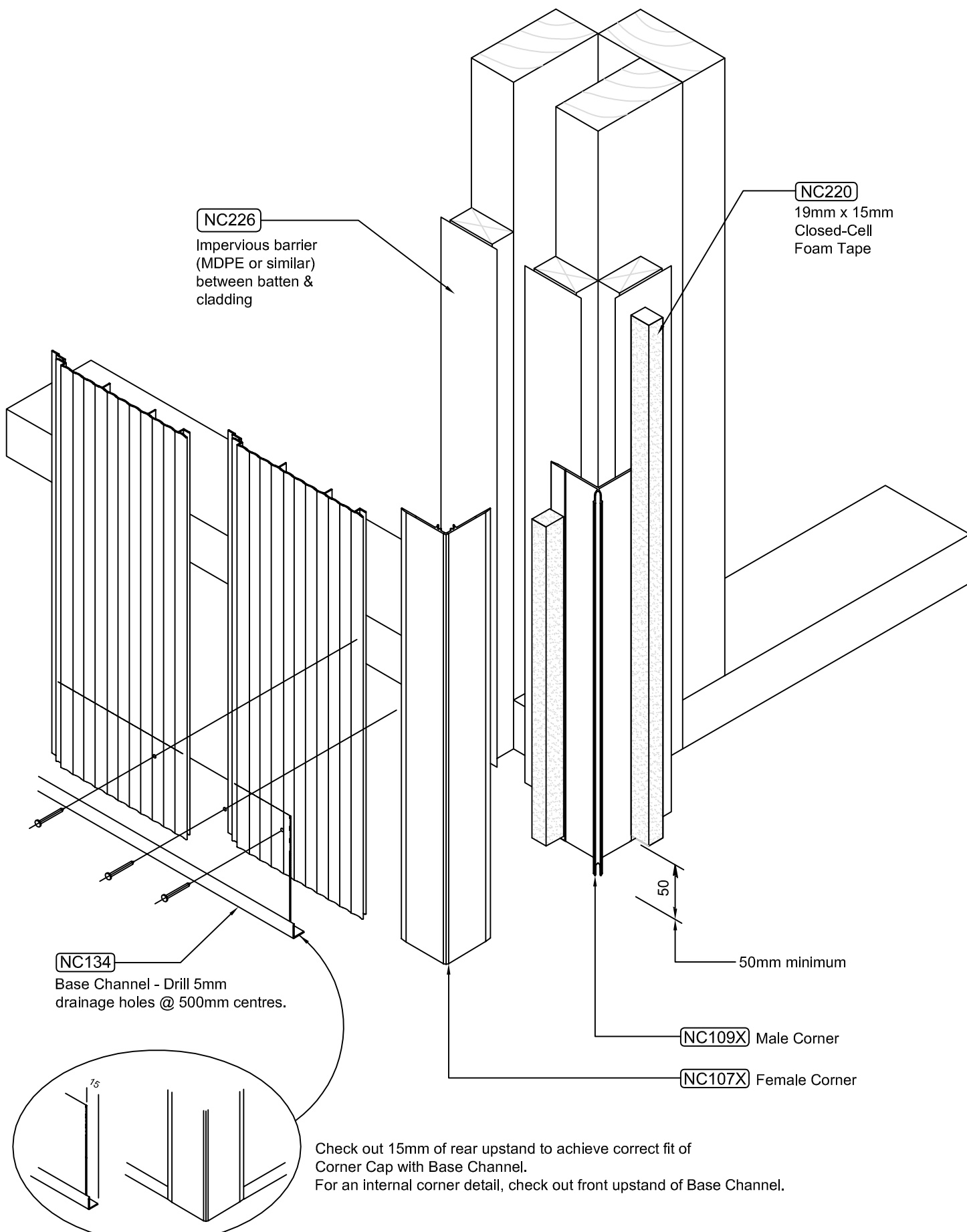


2. Fit NC109X into space created by checking out upstands. Ensure no overlapping occurs.



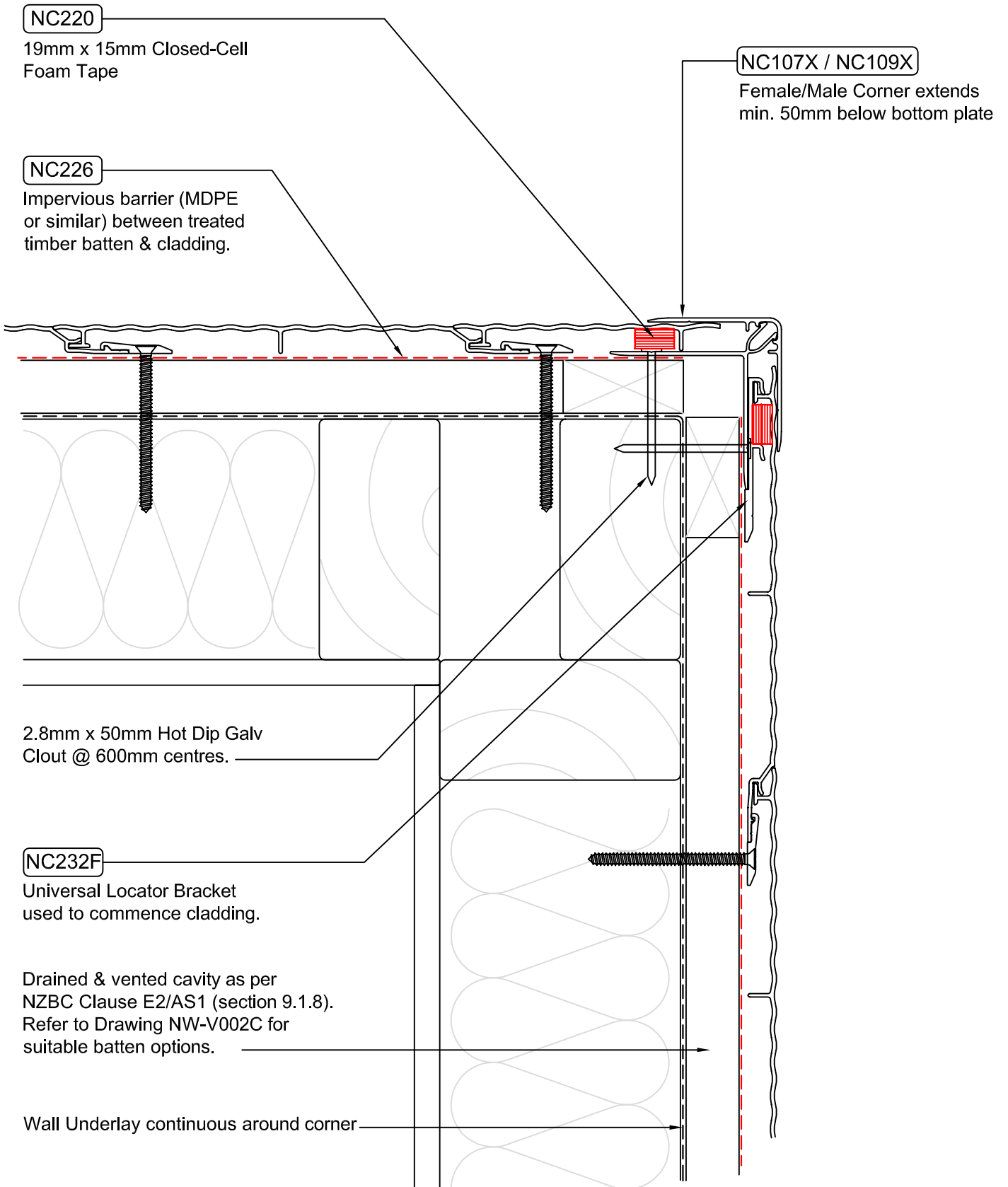
3. After cladding boards have been fitted, measure and cut NC107X to finish above front upstand of NC134 as shown. Fit NC107X.





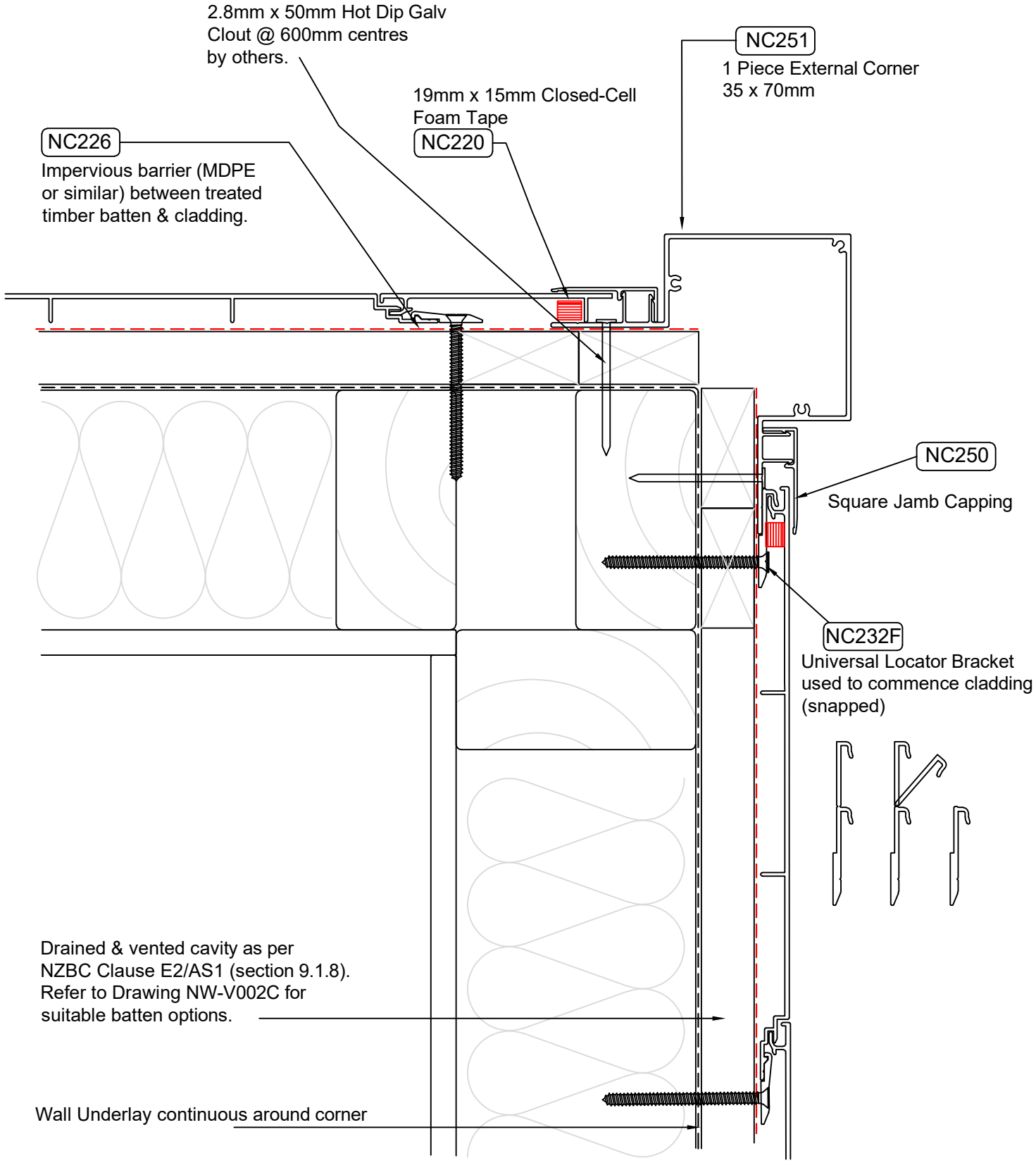
NW-V006C - Vertical Cladding over Drained & Vented Cavity Base Channel / Corner Isometric

Scale NTS



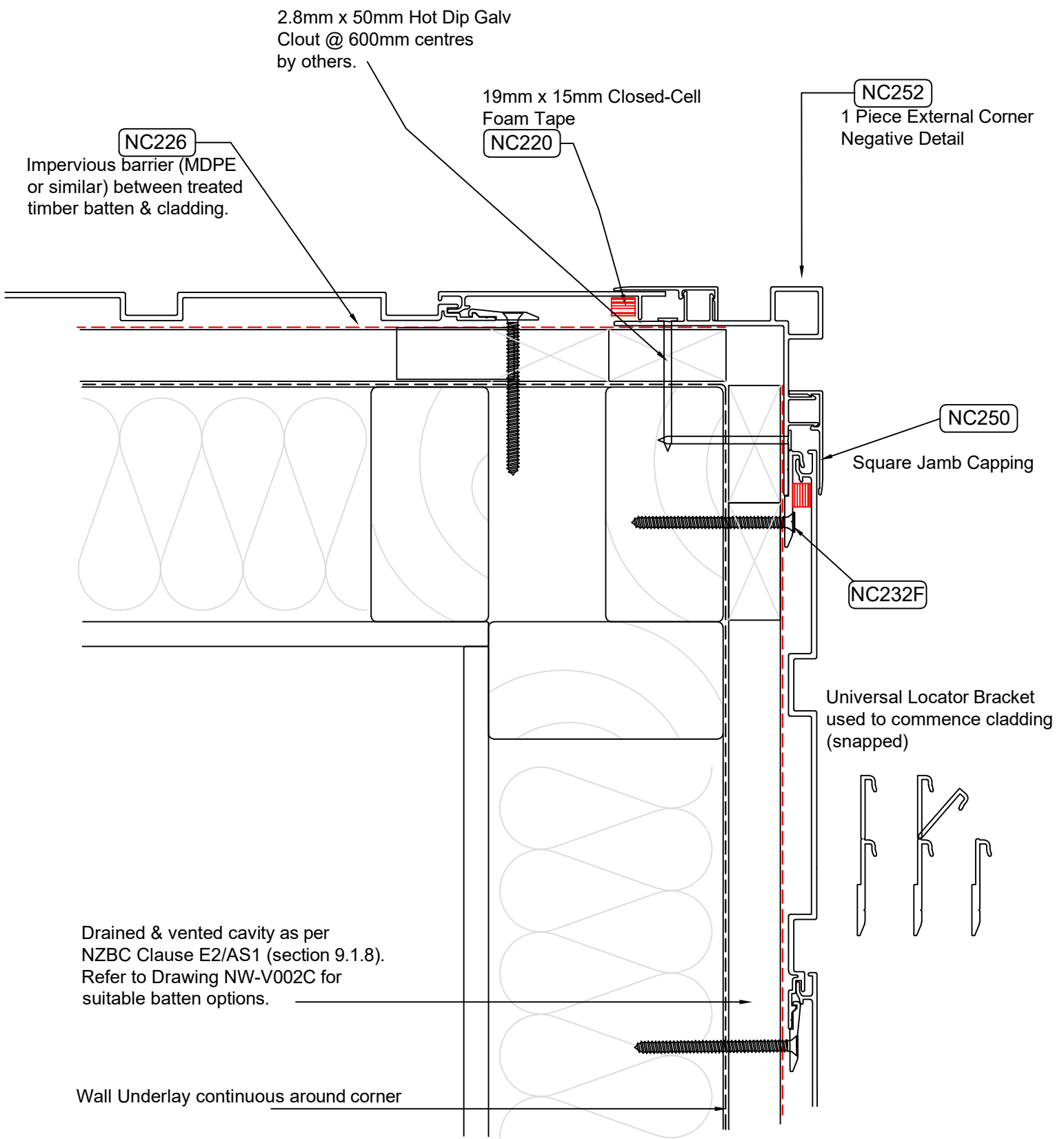
NW-V007C - Vertical Cladding over Drained & Vented Cavity - External 90° Corner

Scale 1:2



NW-V007C.2 - Vertical Cladding over Drained & Vented Cavity - 1 Piece External 90° Corner 35x70

Scale 1:2



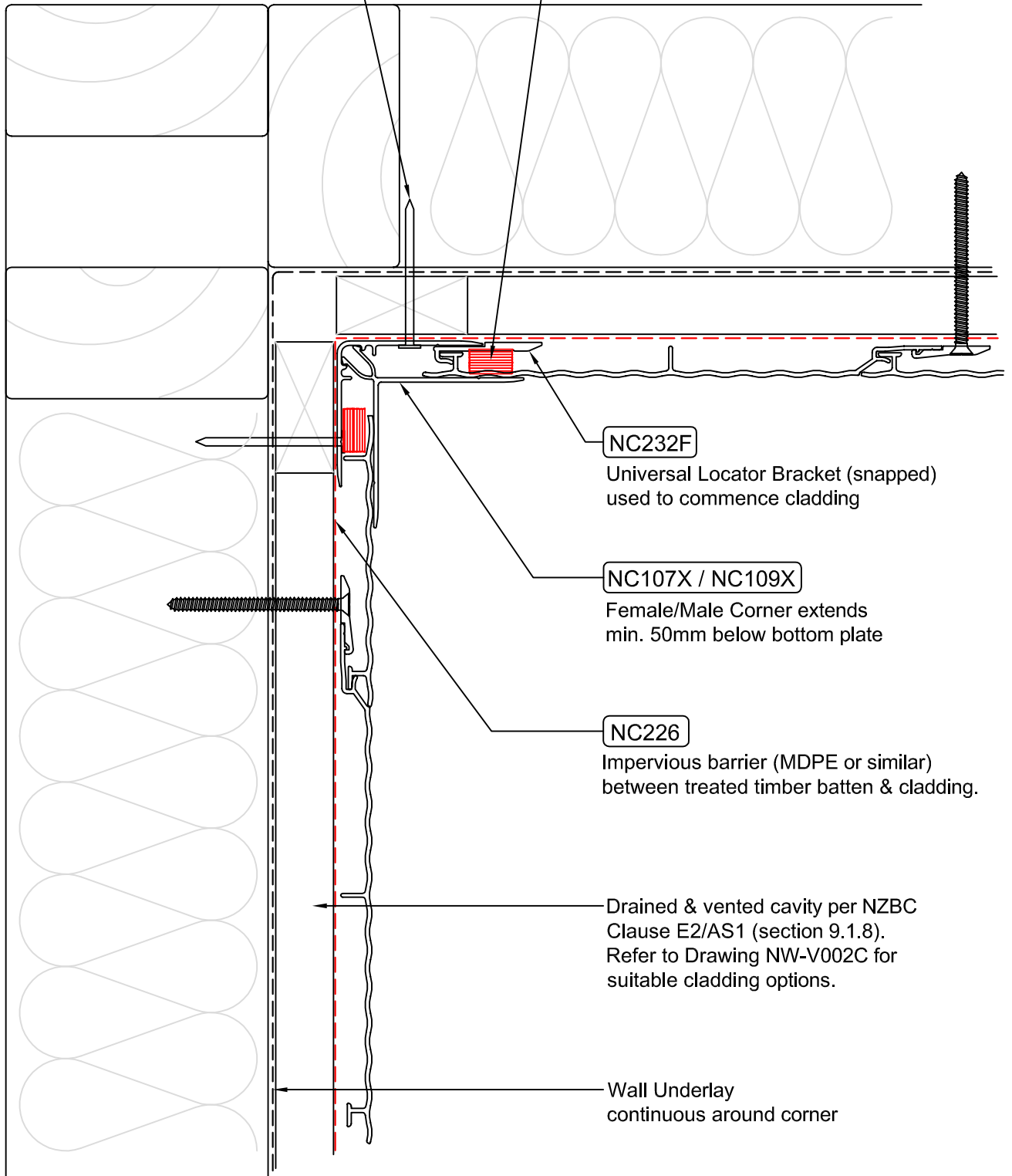
NW-V007C.3 - Vertical Cladding over Drained & Vented Cavity - 1 Piece External 90° Corner Negative Detail

Scale 1:2

2.8mm x 50mm Hot Dip Galv
Clout @ 600mm centres.

NC220

19mm x 15mm Closed-Cell
Foam Tape



NC232F

Universal Locator Bracket (snapped)
used to commence cladding

NC107X / NC109X

Female/Male Corner extends
min. 50mm below bottom plate

NC226

Impervious barrier (MDPE or similar)
between treated timber batten & cladding.

Drained & vented cavity per NZBC
Clause E2/AS1 (section 9.1.8).
Refer to Drawing NW-V002C for
suitable cladding options.

Wall Underlay
continuous around corner

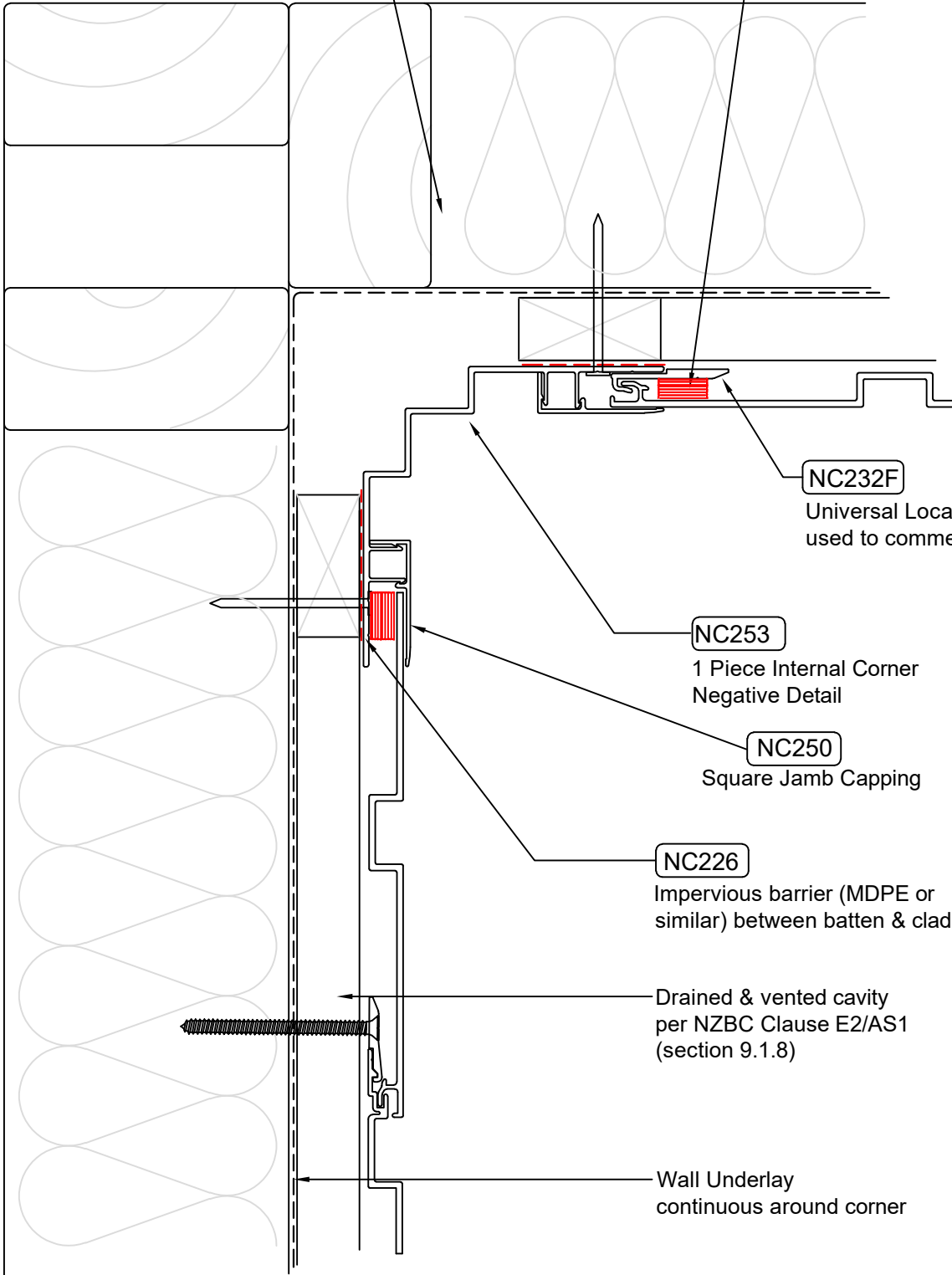
NW-V008C - Vertical Cladding over Drained & Vented Cavity - Internal 90° Corner

Scale 1:2

2.8mm x 50mm Hot Dip Galv
Clout staggered @ 600mm centres.

NC220

19mm x 15mm Closed-Cell
Foam Tape



NC232F

Universal Locator Bracket (snapped)
used to commence cladding

NC253

1 Piece Internal Corner
Negative Detail

NC250

Square Jamb Capping

NC226

Impervious barrier (MDPE or
similar) between batten & cladding.

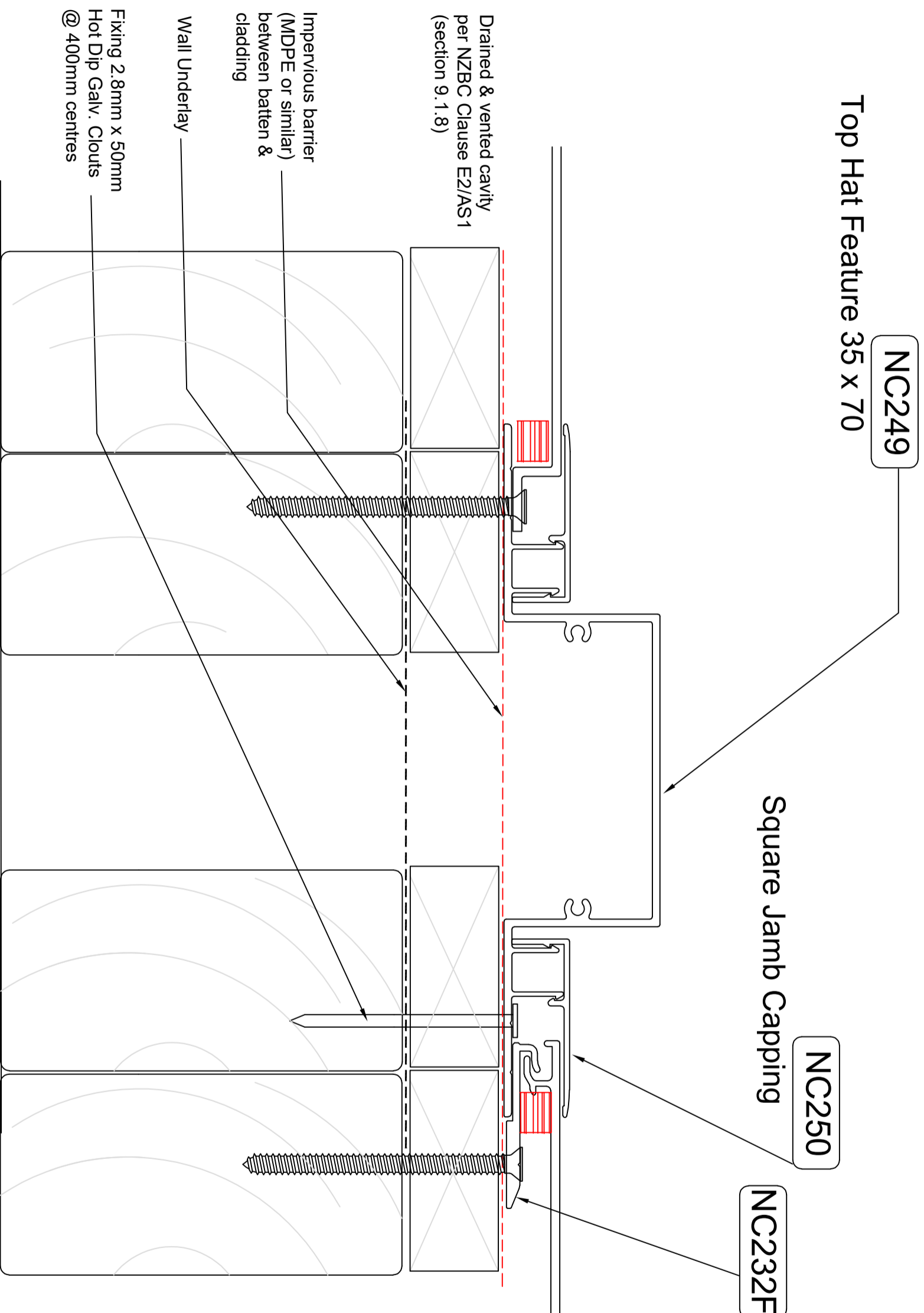
Drained & vented cavity
per NZBC Clause E2/AS1
(section 9.1.8)

Wall Underlay
continuous around corner

NW-V008C.2 - Vertical Cladding over Drained & Vented Cavity - Internal 90° Corner Negative Detail

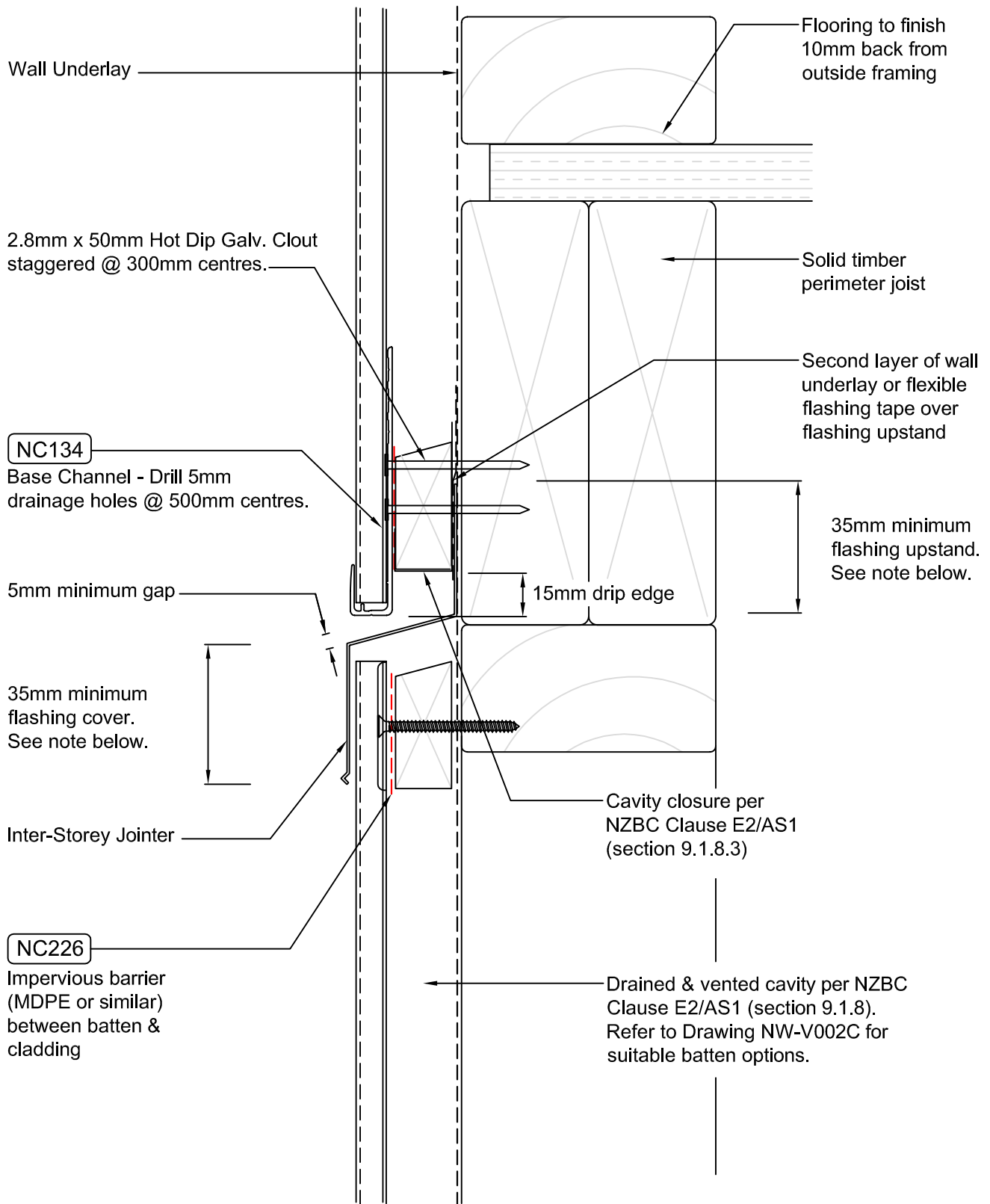
Scale 1:2

Top Hat Feature 35 x 70



NW-V008C.3 - Vertical Cladding over Drained & Vented Cavity NC249 Top Hat Feature 35 x 70mm

Scale 1:1

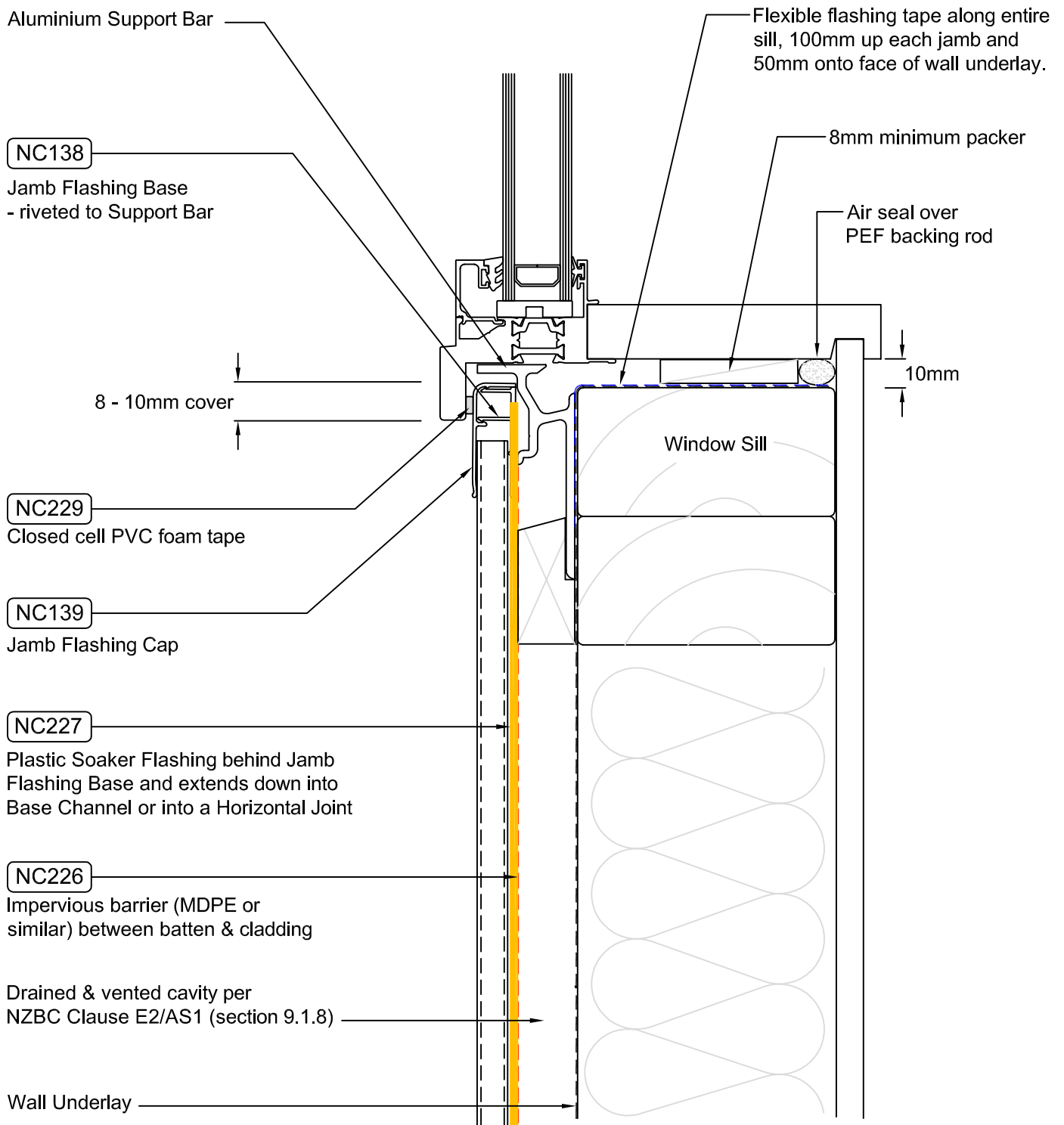


NOTE:

This detail is to be used to limit continuous cavities to the lesser of two storeys or 7 metres. Refer E2/AS1 Table 7 for flashing cover requirements

NW-V009C - Vertical Cladding over Drained & Vented Cavity - Horizontal Joint

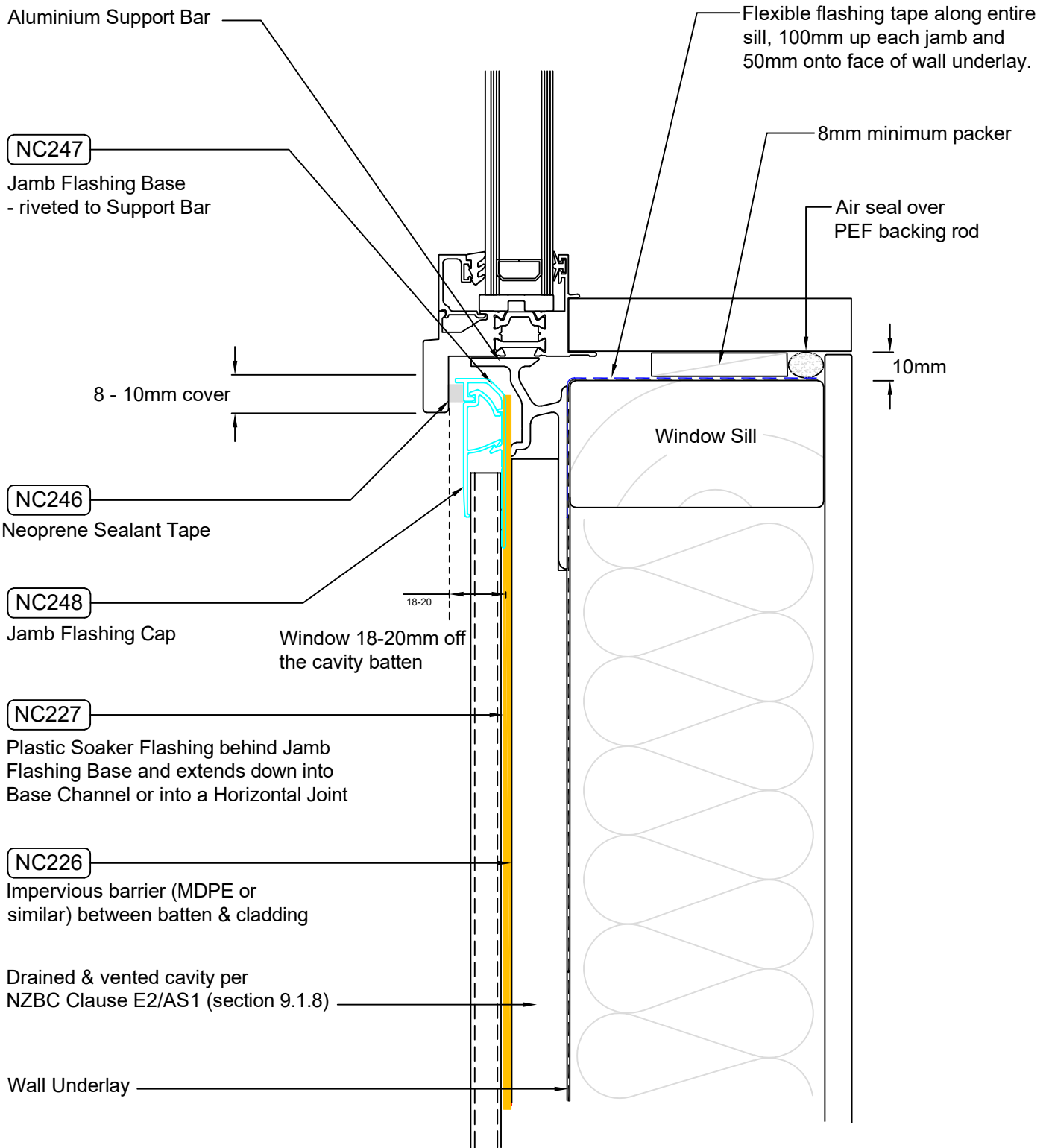
Scale 1:2



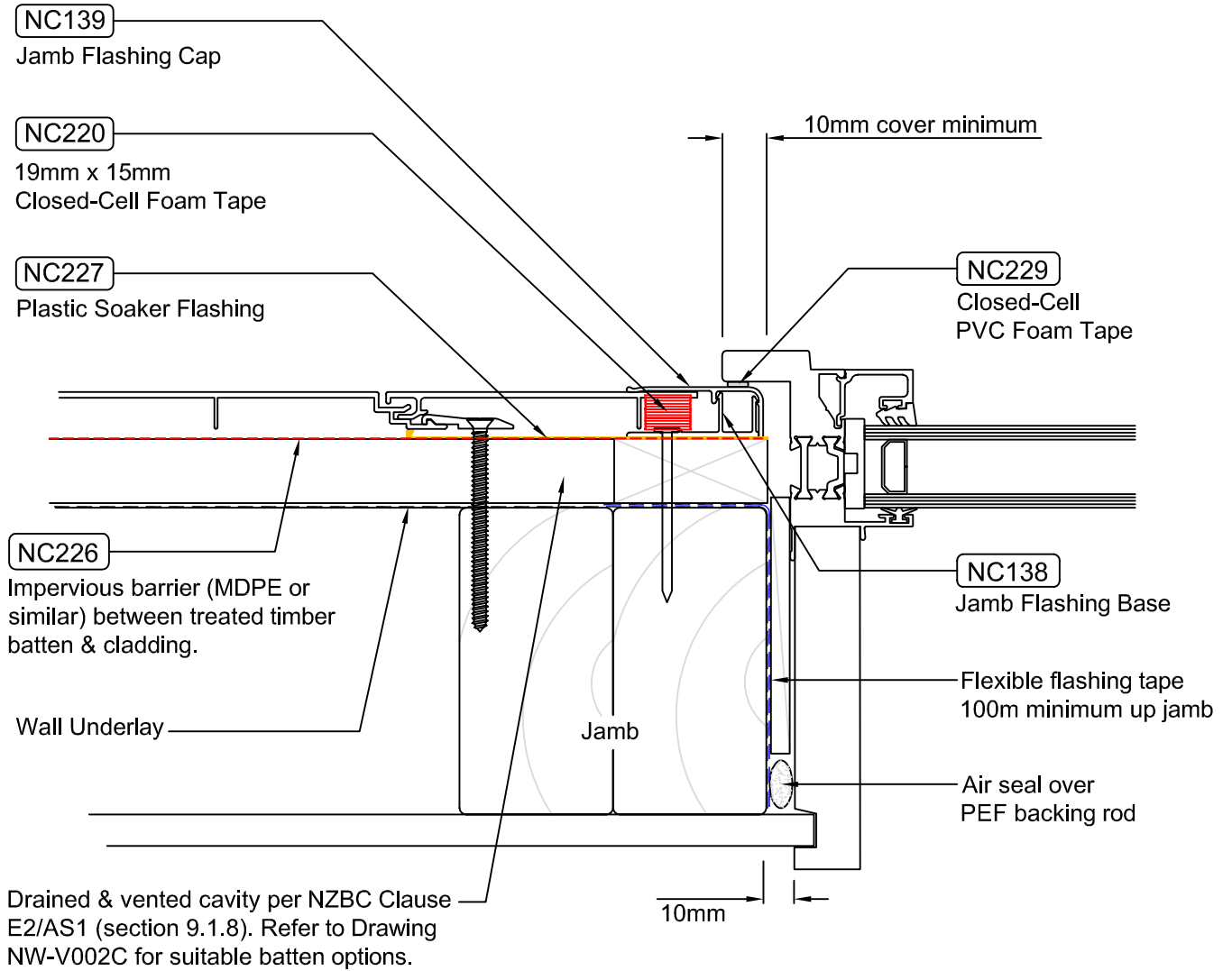
NOTE: Cladding fixings omitted for clarity.

NW-V010C - Vertical Cladding over Drained & Vented Cavity - Window Sill with Support Bar

Scale 1:2

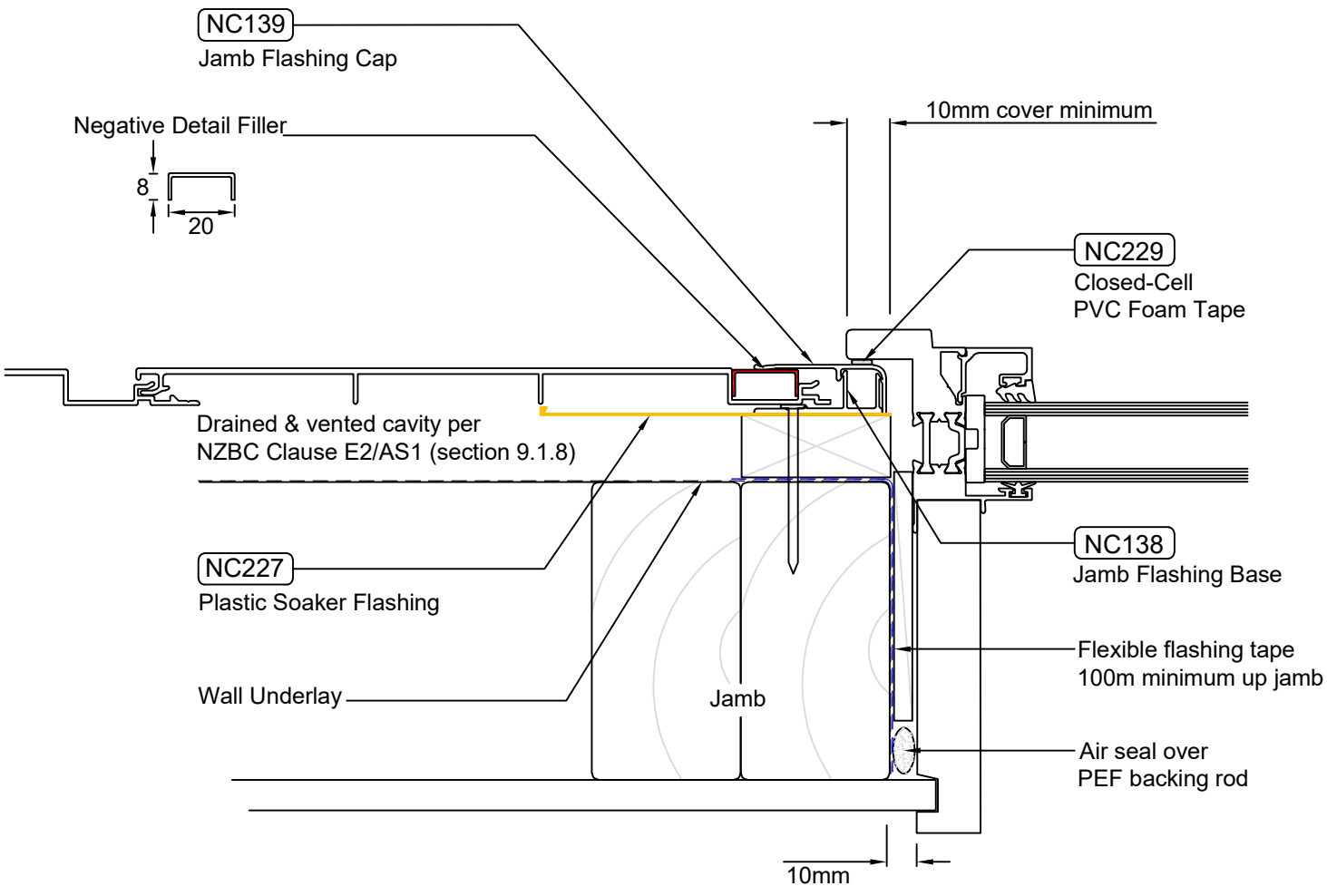


NW-V010C.2 - Vertical Cladding over Drained & Vented Cavity - Window Sill with Support Bar
Scale 1:2
NC247, NC248



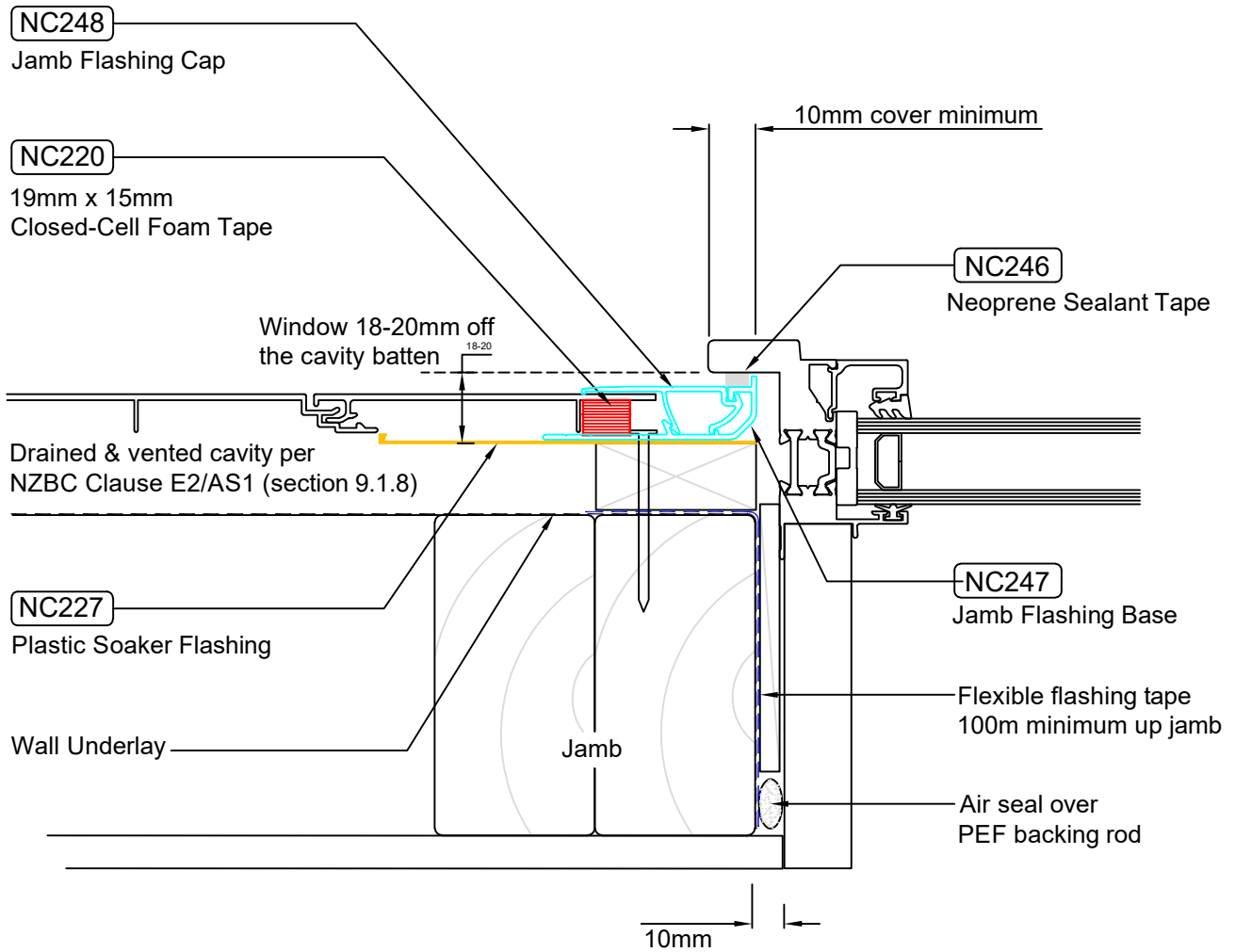
NW-V011C - Vertical Cladding over Drained & Vented Cavity - Window Jamb

Scale 1:2



NW-V011C.2 - Vertical Cladding over Drained & Vented Cavity - E Series Negative Detail Filler

Scale 1:2



NW-V011C.3 - Vertical Cladding over Drained & Vented Cavity - Window Jamb NC247, NC248

Scale 1:2

Drained & vented cavity per NZBC Clause E2/AS1 (section 9.1.8)
Refer to Drawing NW-V002C for suitable batten options.

NC134
Base Channel - Drill 5mm drainage holes @ 500mm centres

Sealant required for *Very High* and *Extra High* wind zones.
Also refer to Note below.

5mm gap

10mm cover

Joinery head flashing with 15° slope & 20mm stop-ends
(Extends 50mm each side of the window opening)

NC227
Plastic Soaker Flashing continued to finish into vented Base Channel or horizontal joint.

Wall Underlay folded into opening

Flashing tape or second layer of wall underlay over flashing upstand

2.8mm x 50mm Hot Dip Galv. Clout staggered @ 300mm centres.

35mm minimum flashing upstand

15mm drip edge

Cavity closure per NZBC Clause E2/AS1 (section 9.1.8.3)

10mm

Air seal over PEF backing rod

Packers

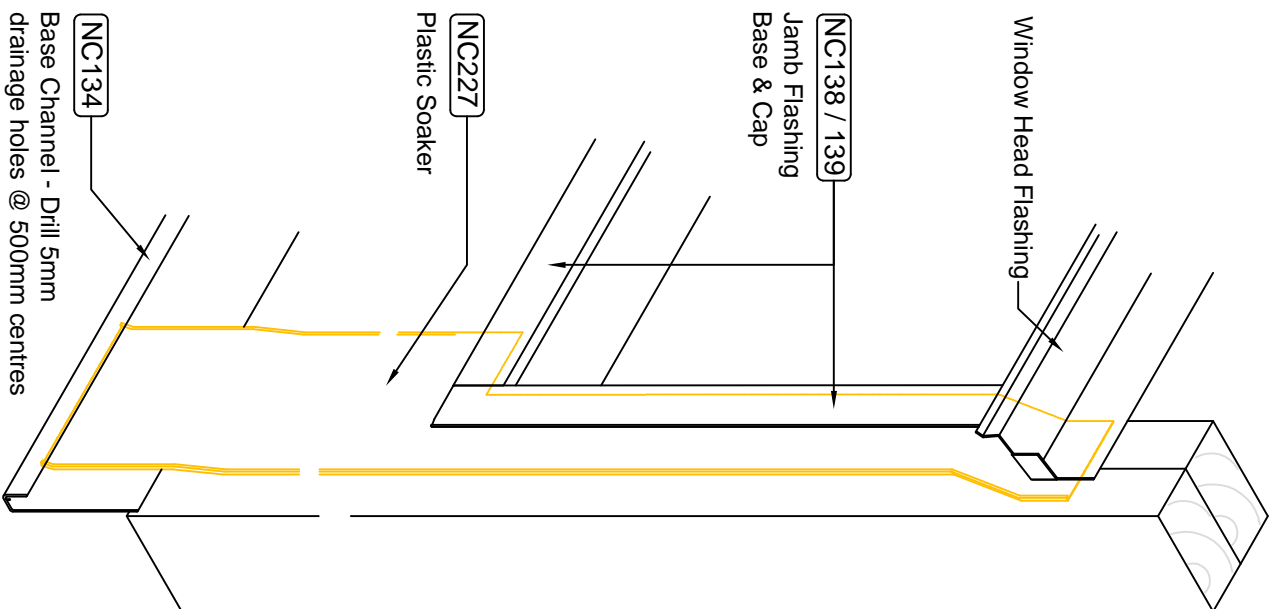
Flexible flashing tape at corners

NOTE:

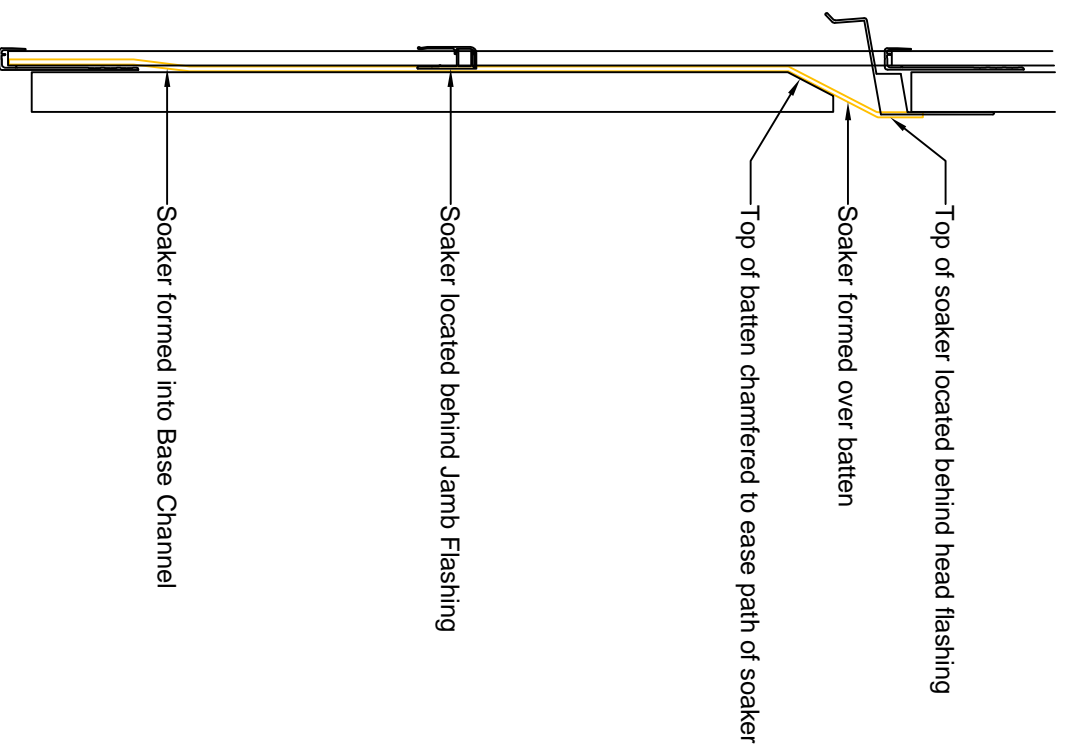
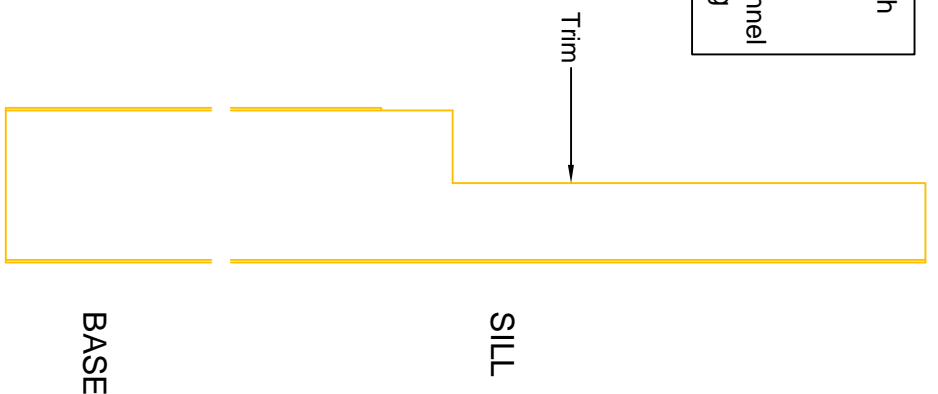
Rigid Air Barrier (RAB) also required in *Extra High* wind zones.
Refer to E2/AS1 (section 9.1.7.2)

NW-V012C - Vertical Cladding over Drained & Vented Cavity - Window Head

Scale 1:2

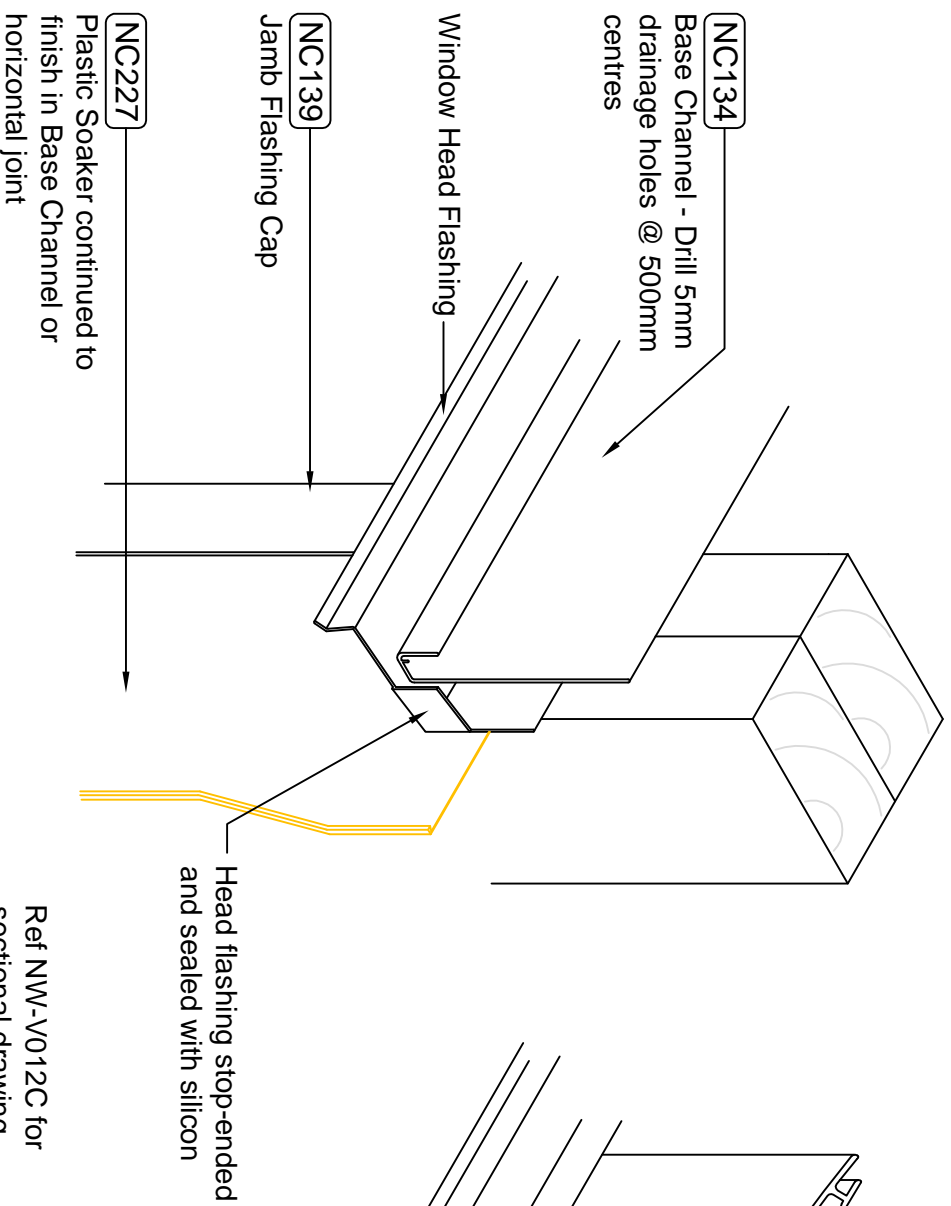


Cut Soakers to length
Trim to suit
Form into Base Channel
at bottom of cladding



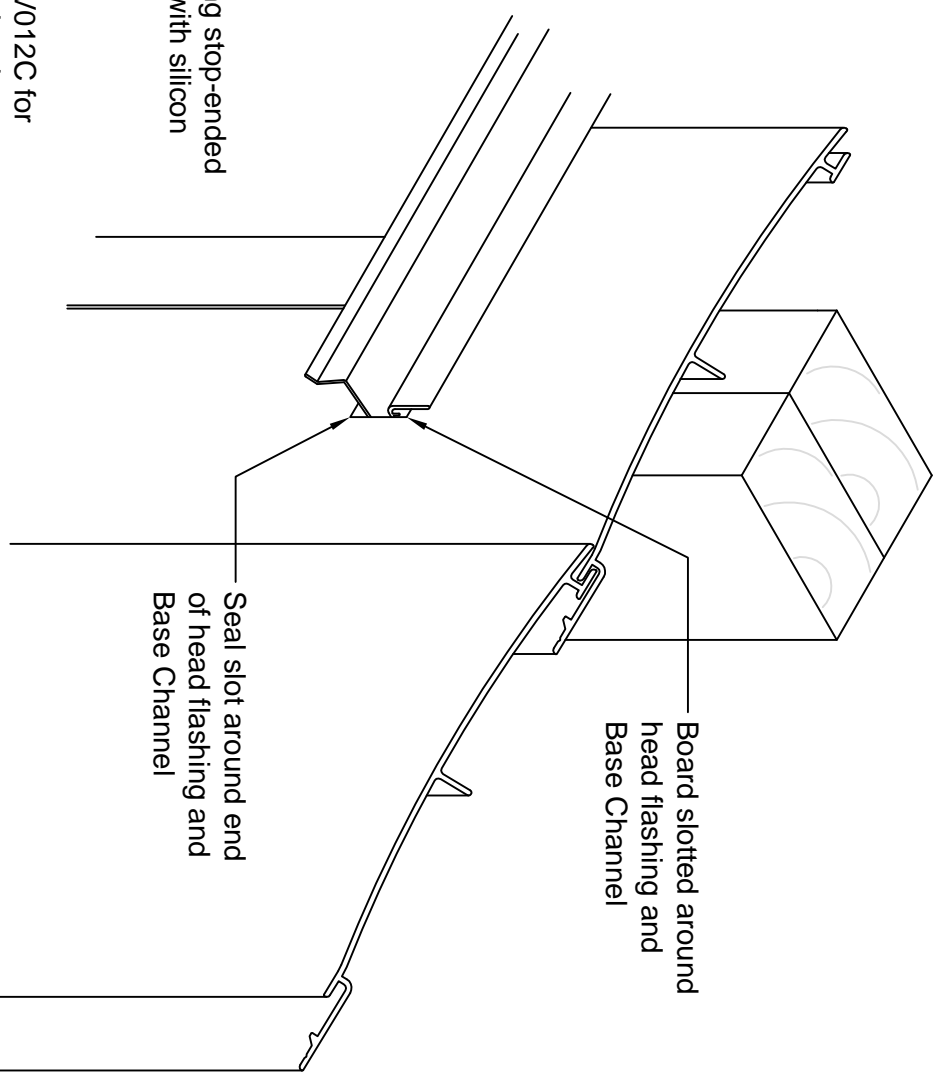
NW-V013C - Vertical Cladding over Drained & Vented Cavity - Window Head & Sill Soaker Details
Scale NTS

Junction prior to cladding around window head

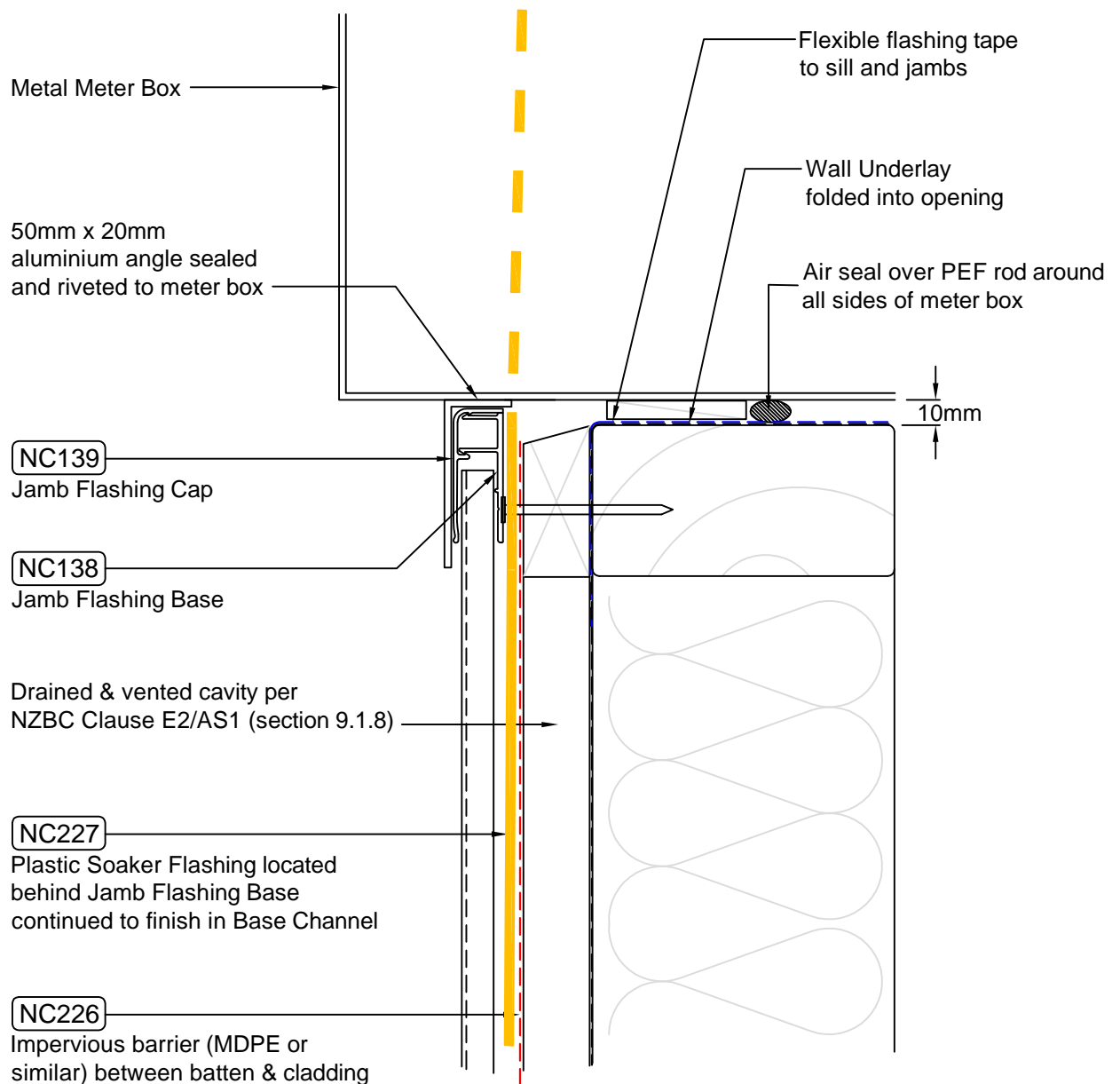


Ref NW-V012C for sectional drawing

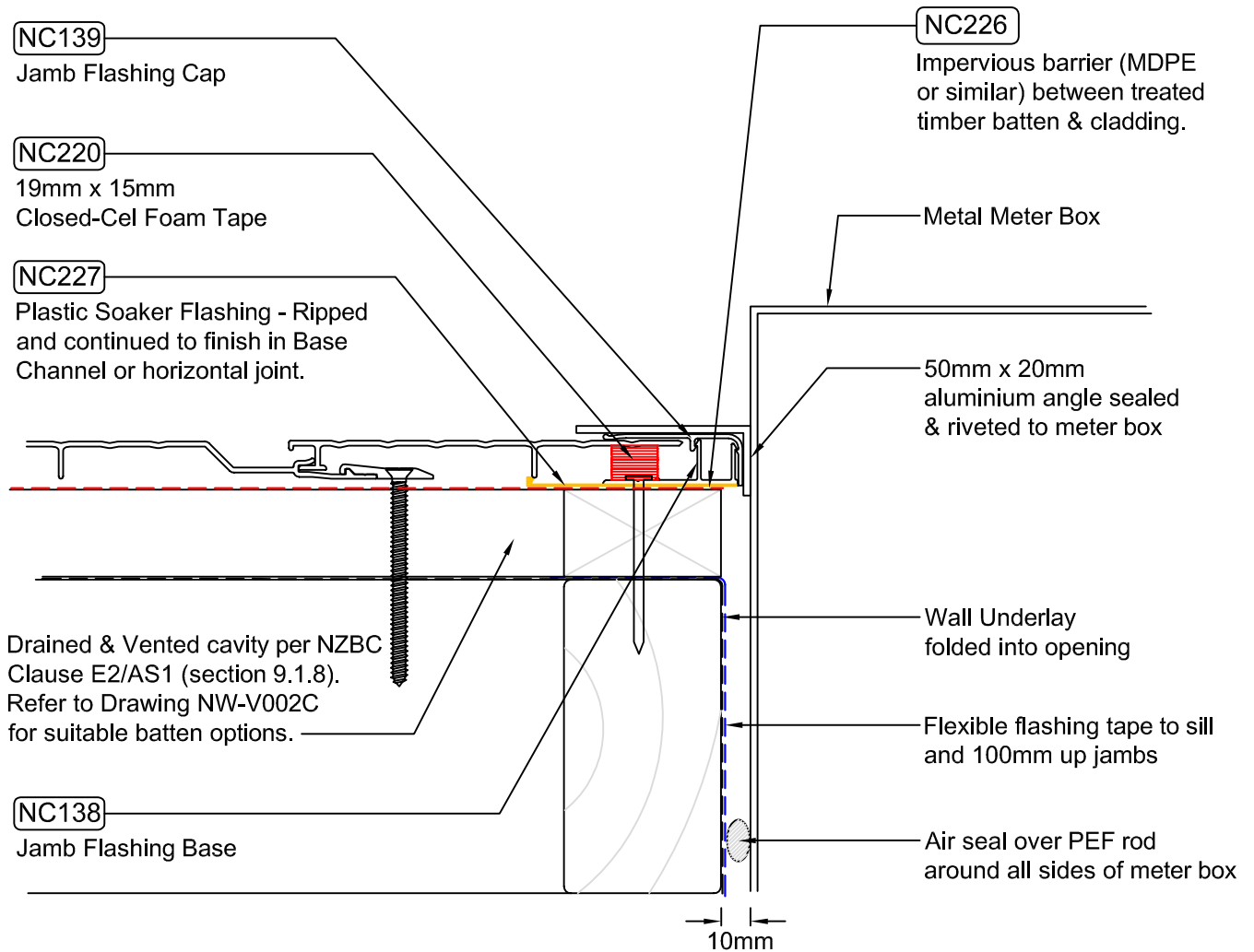
Junction after cladding around window head



NW-V014C - Vertical Cladding over Drained & Vented Cavity - Head Flashing End Detail
Scale NTS



NW-V015C - Vertical Cladding over Drained & Vented Cavity - Meter Box Sill Detail
Scale 1:2



NW-V016C - Vertical Cladding over Drained & Vented Cavity - Meter Box Jamb Detail
Scale 1:2

Drained & vented cavity per NZBC Clause E2/AS1 (section 9.1.8). Refer to Drawing NW-V002C for suitable batten options.

NC226

Impervious barrier (MDPE or similar) between treated timber batten & cladding.

NC134

Base Channel - Drill 5mm drainage holes @ 500mm centres

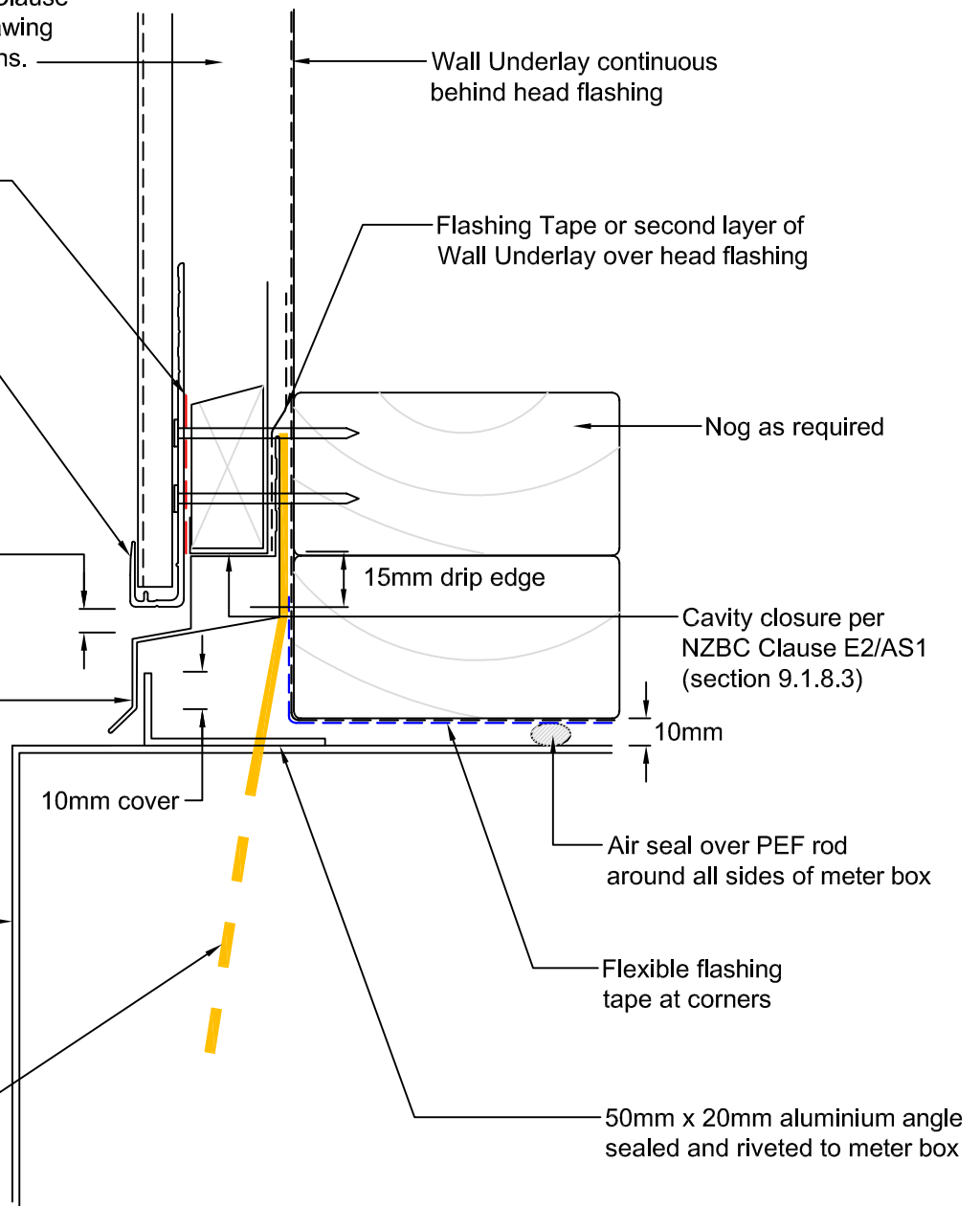
5mm gap to be maintained between Base Channel and head flashing

Head flashing with 15° slope, 20mm stop-end and a minimum 35mm upstand

Metal Meter Box

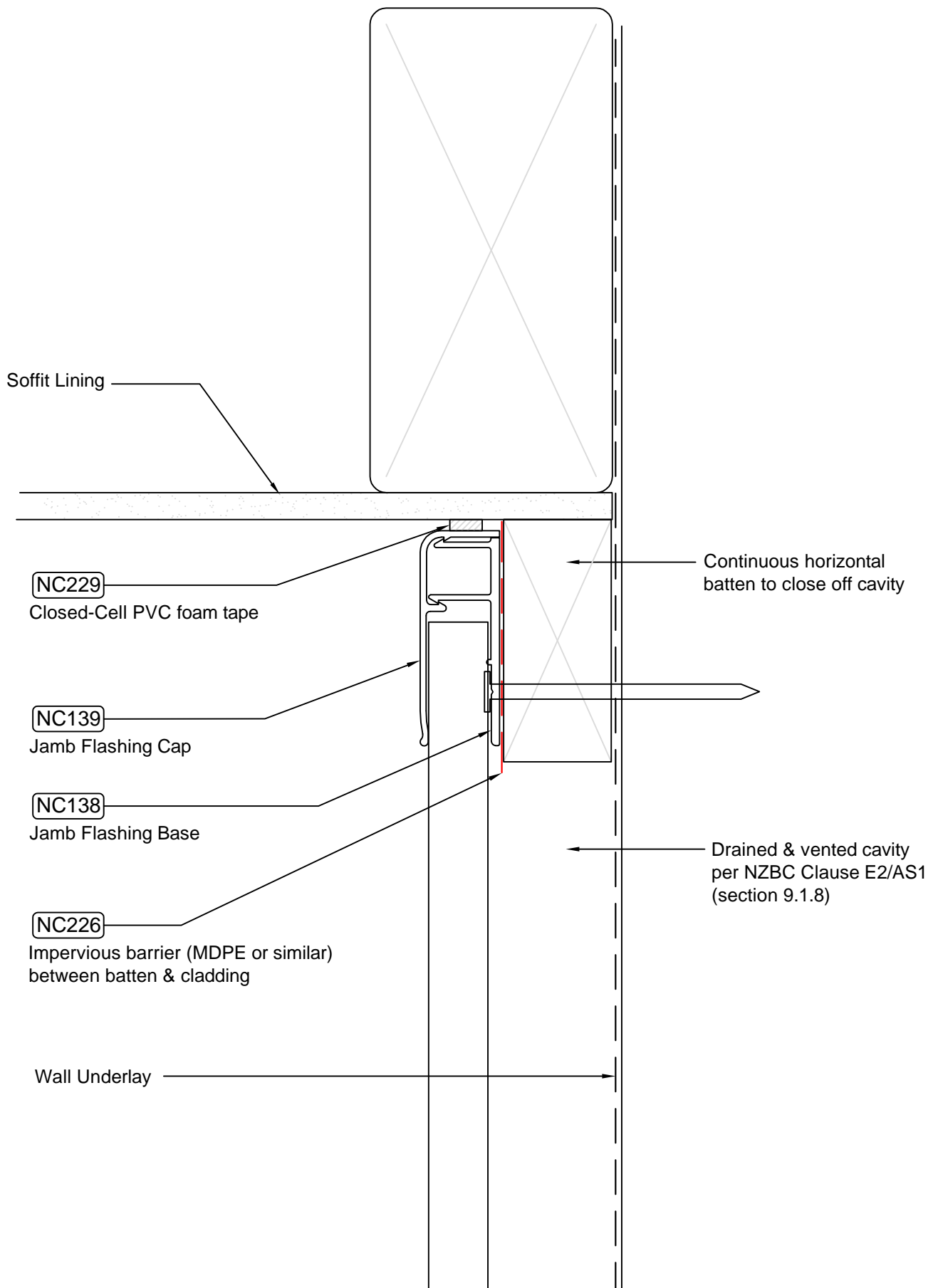
NC227

Plastic Soaker Flashing located behind head flashing, continued to finish in Base Channel

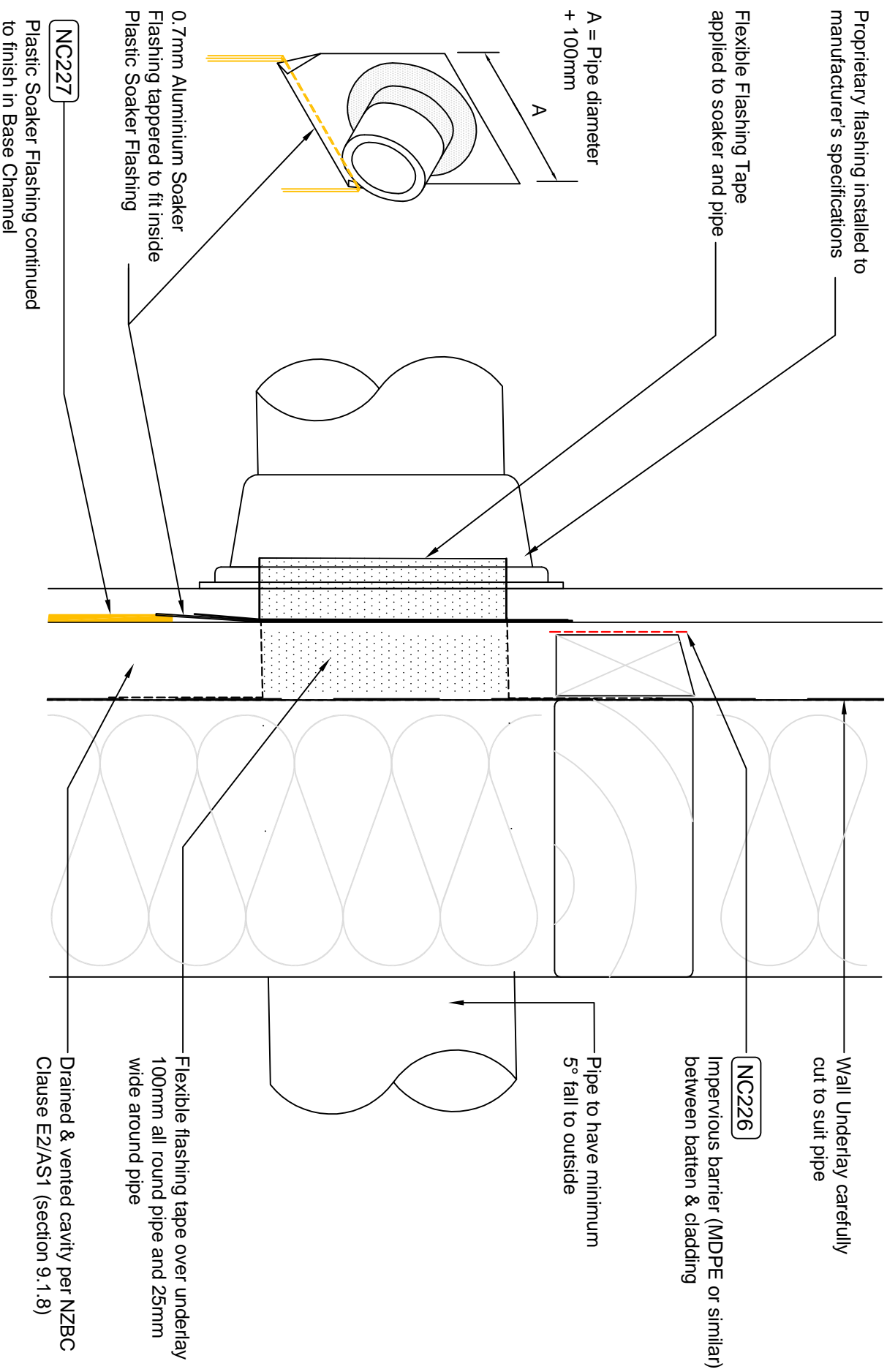


NW-V017C - Vertical Cladding over Drained & Vented Cavity - Meter Box Head Detail

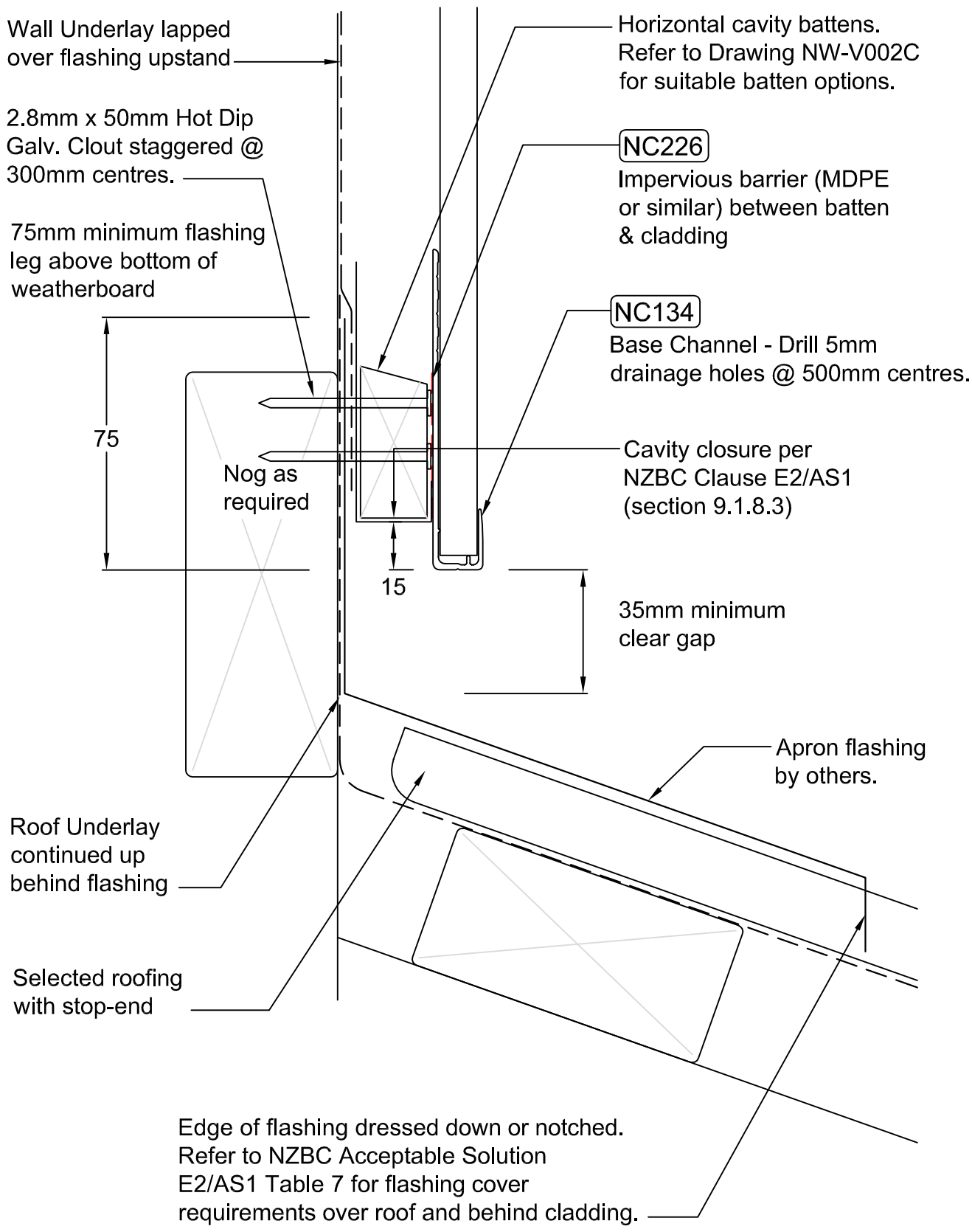
Scale 1:2



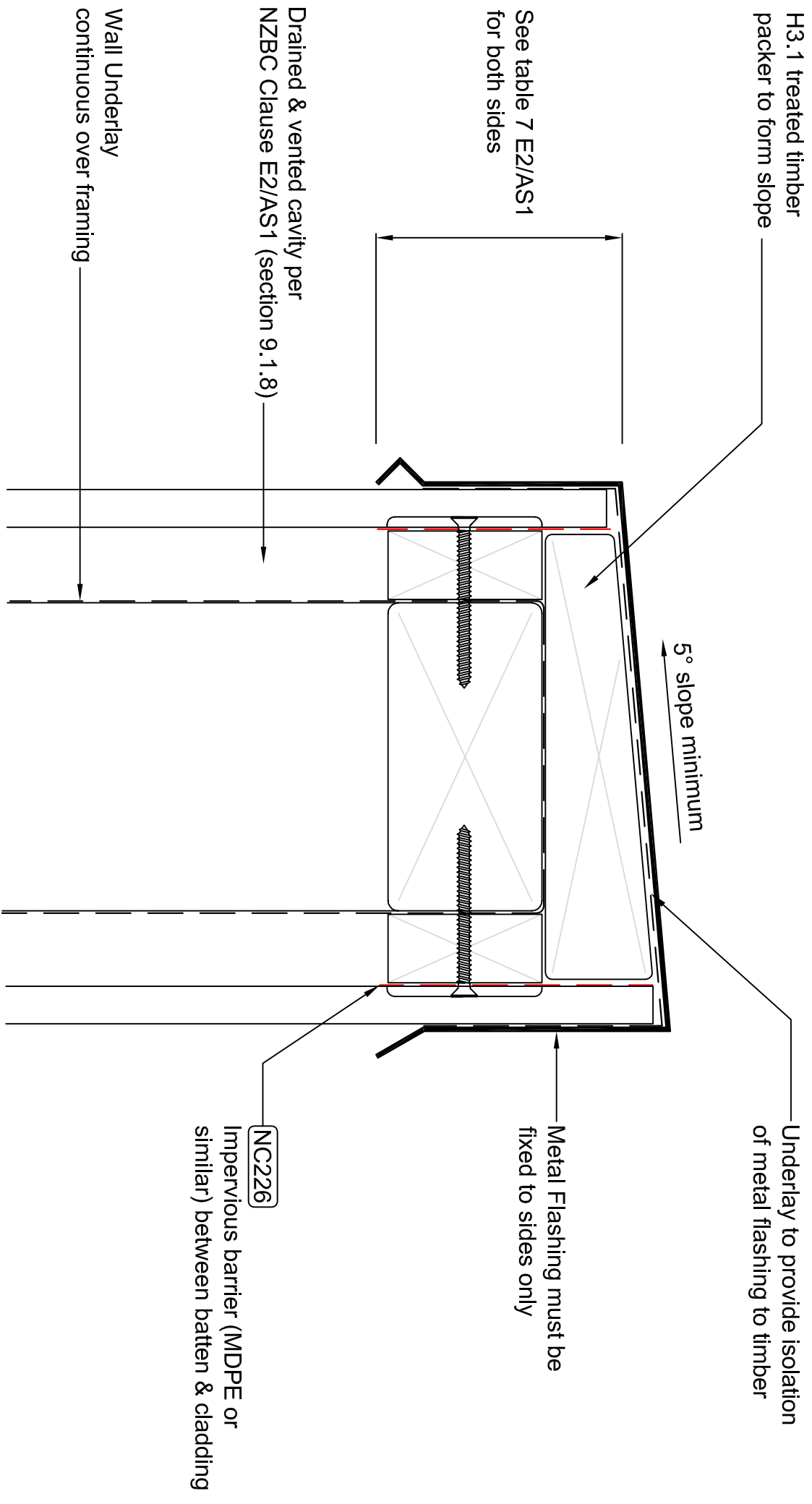
NW-V018C - Vertical Cladding over Drained & Vented Cavity - Soffit Trim
Scale 1:1



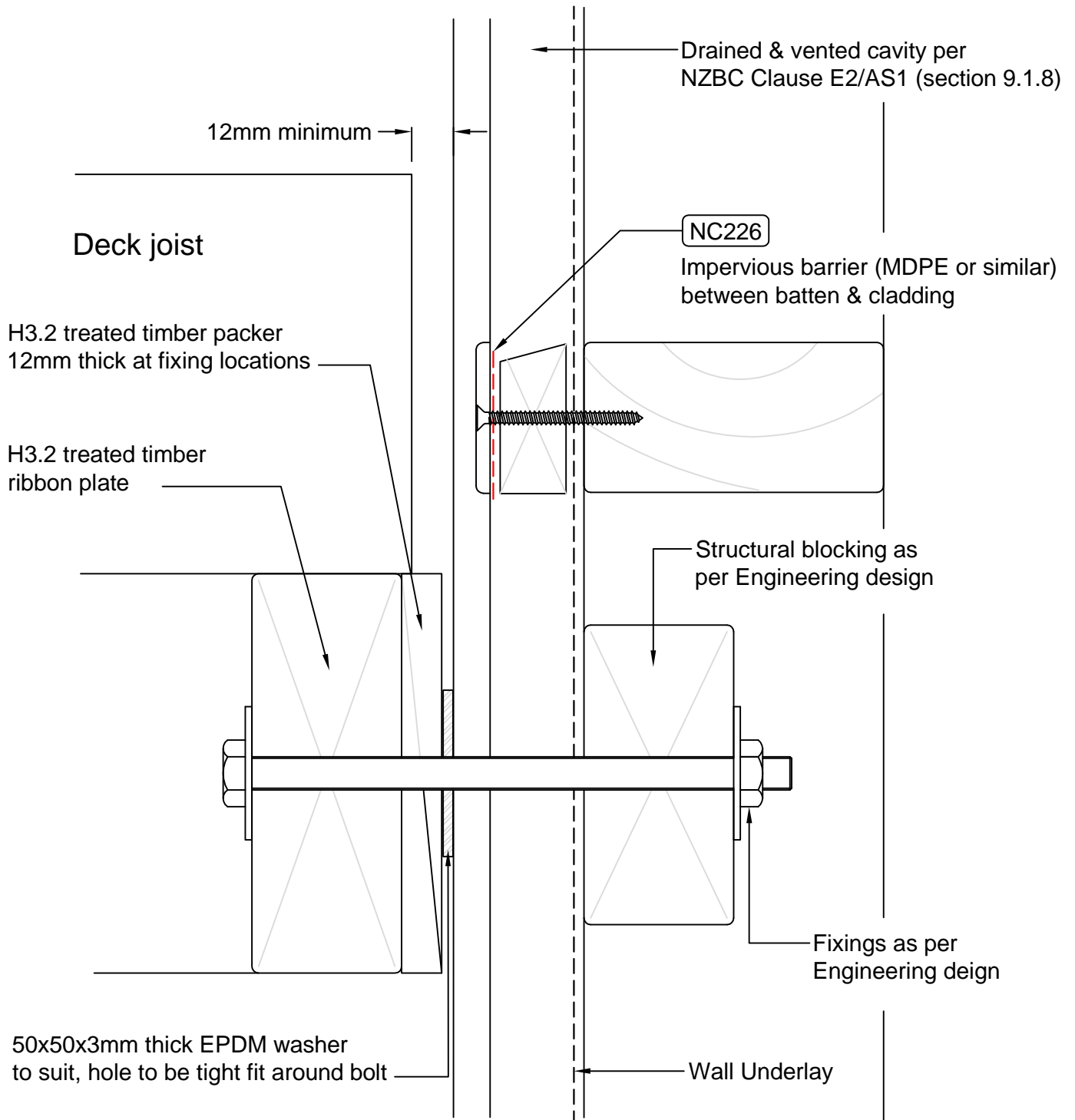
NW-V019C - Vertical Cladding over Drained & Vented Cavity - Pipe Penetration
Scale NTS



NW-V020C - Vertical Cladding over Drained & Vented Cavity - Roof / Wall Junction
Scale NTS

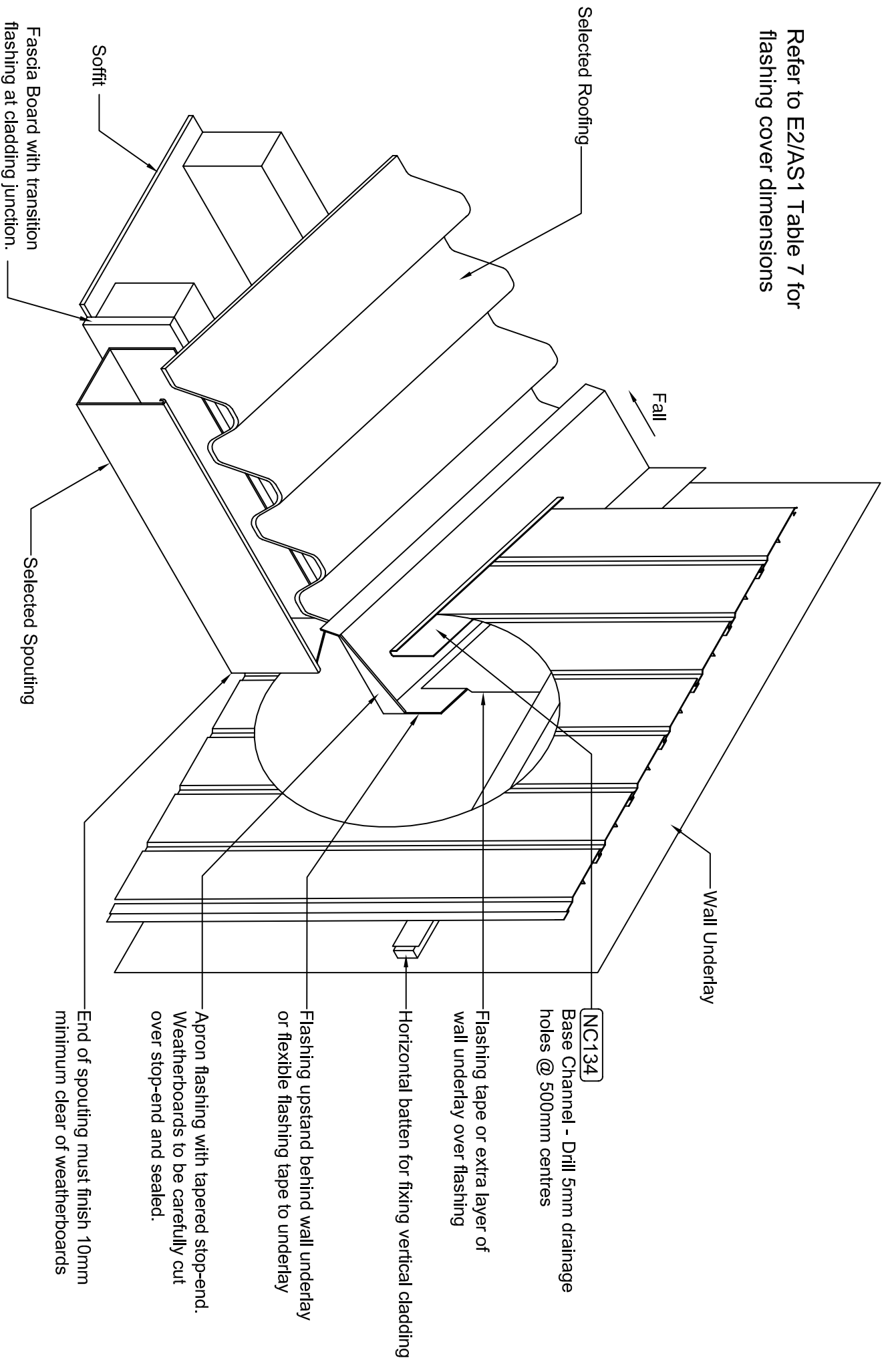


NW-V021C - Vertical Cladding over Drained & Vented Cavity - Parapet Flashing
 Scale NTS



NW-V022C - Vertical Cladding over Drained & Vented Cavity - Deck Junction
Scale NTS

Refer to E2/AS1 Table 7 for flashing cover dimensions



NW-V023C - Vertical Cladding over Drained & Vented Cavity - Gutter / Wall Junction

Scale NTS

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