



## **NU-WALL EXTRUDED ALUMINIUM CLADDING**

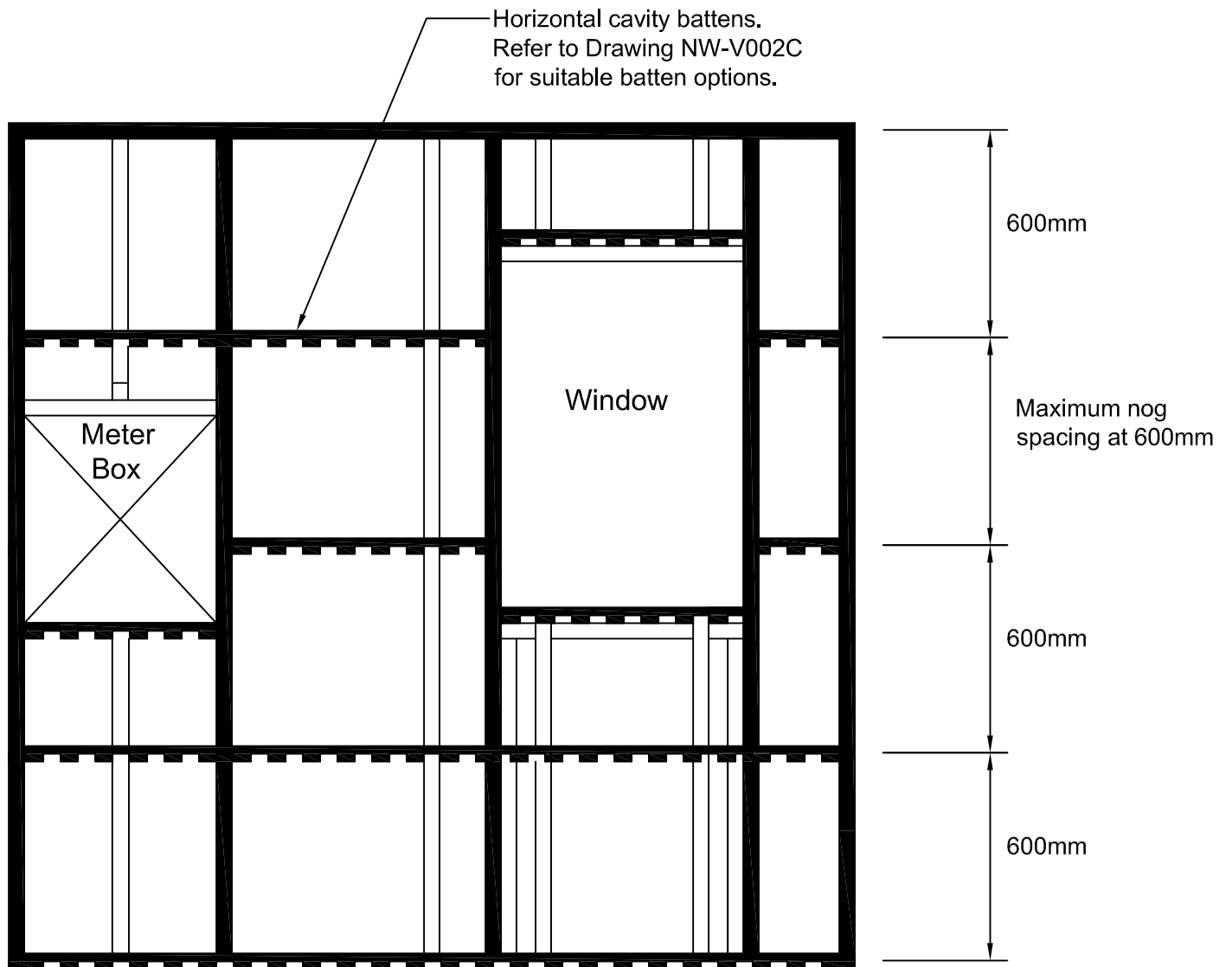
### **Installation Specifications – Vertical orientation (over cavity)**

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

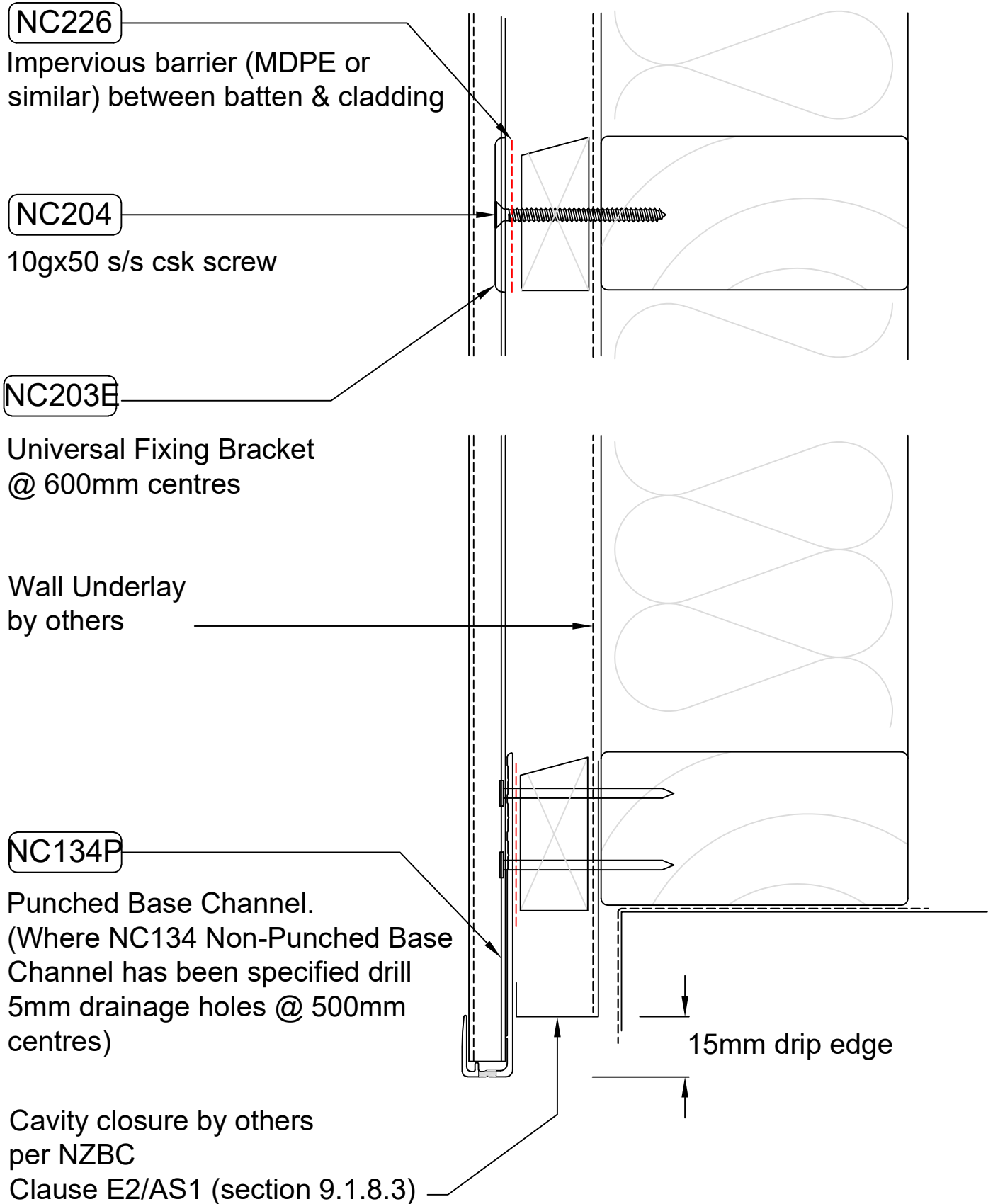


NW-V001C - Vertical Cladding over Drained & Vented Cavity Batten Layout

Scale NTS

# USING TREATED TIMBER BATTEN by others

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

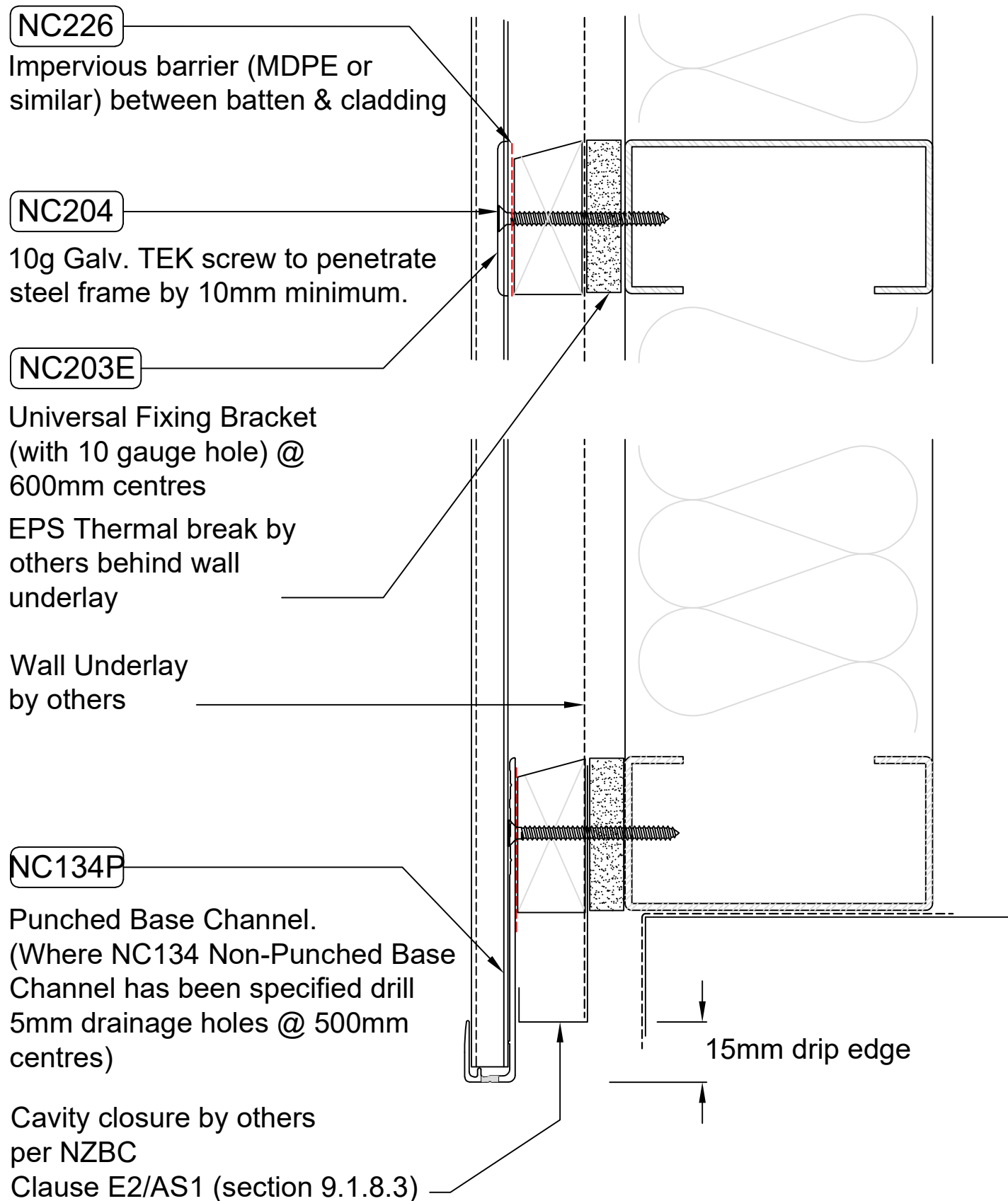


4 - NW-V002C - Cavity Batten on Timber Frame

Scale NTS

# USING TREATED TIMBER BATTEN by others

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



## 5 - NW-V002C.1 - Cavity Batten 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

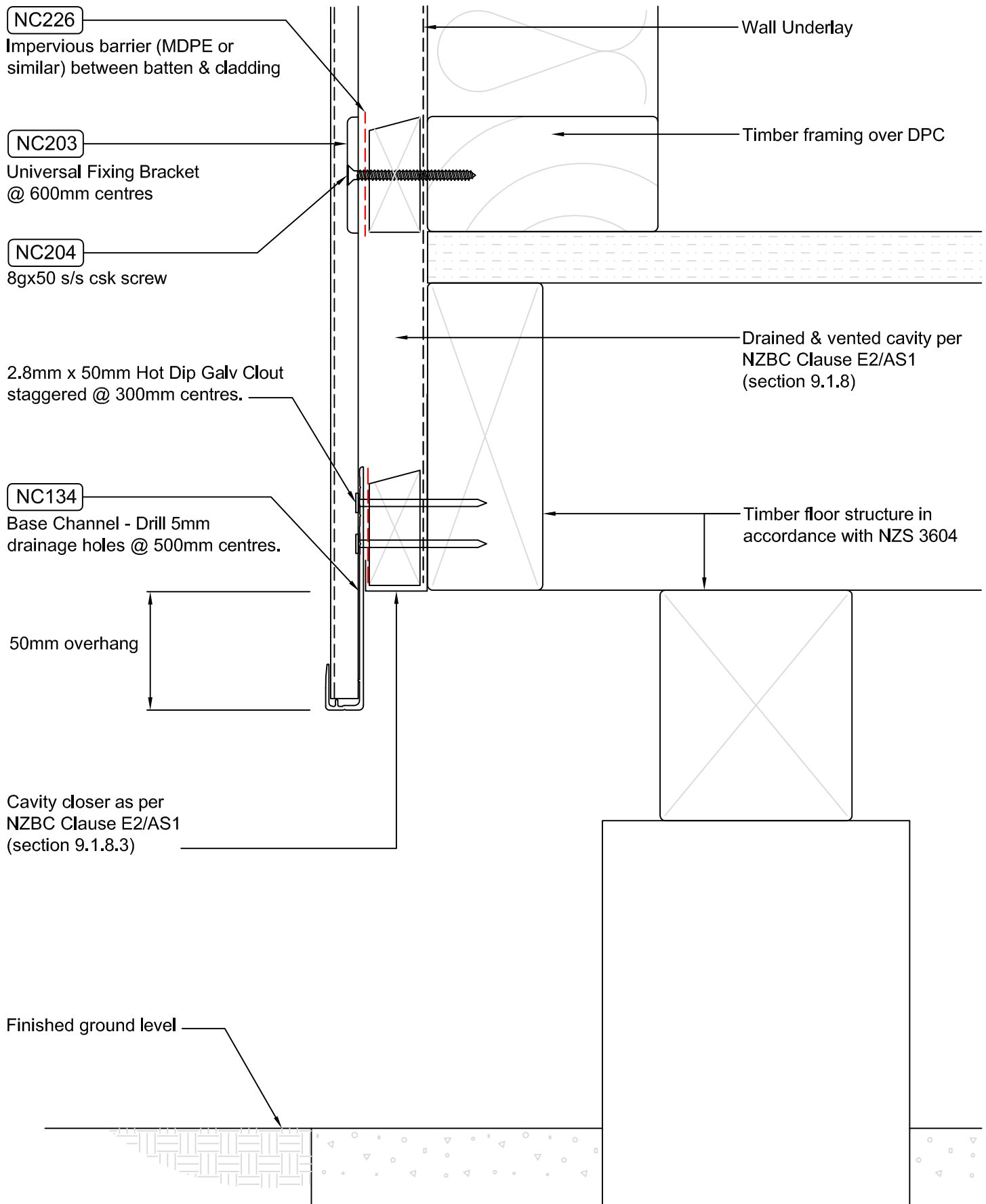
100mm to permanent paving or  
175mm to unfinished ground

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

Bottom Plate

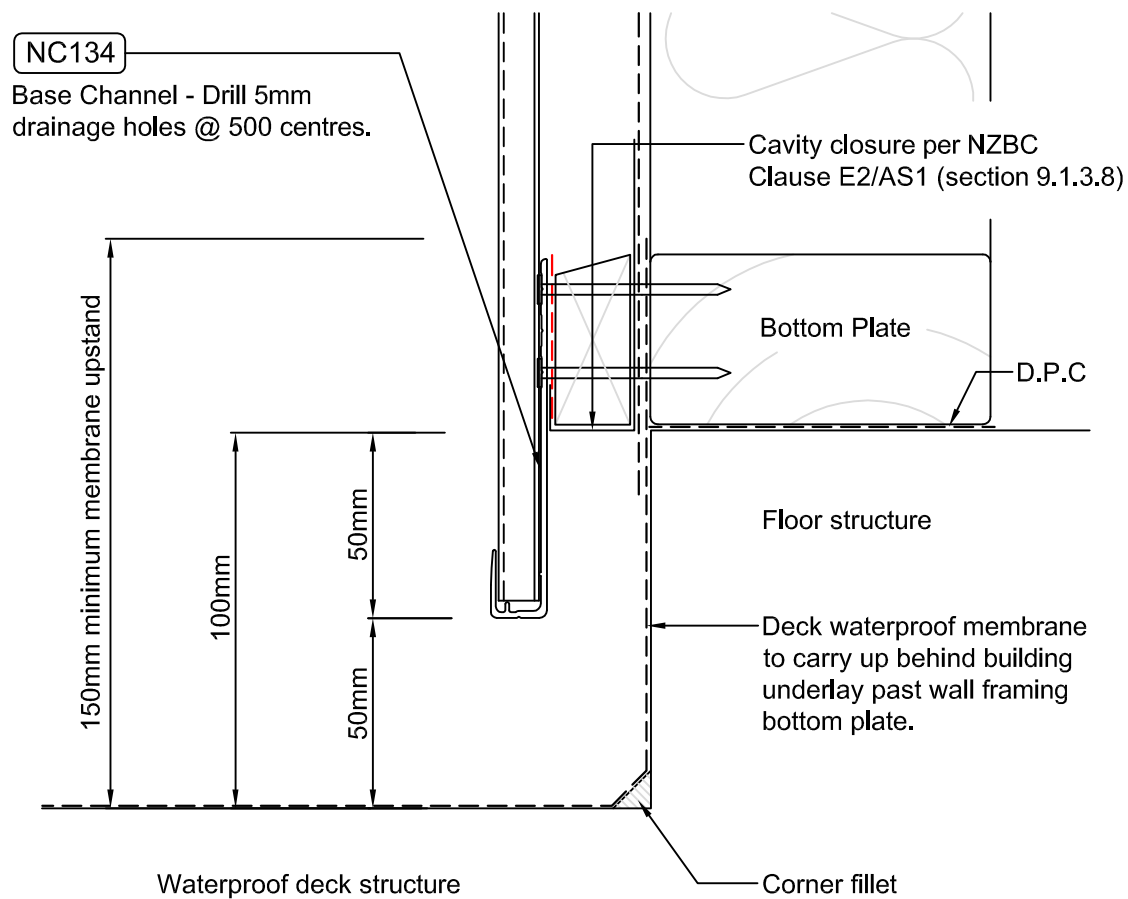
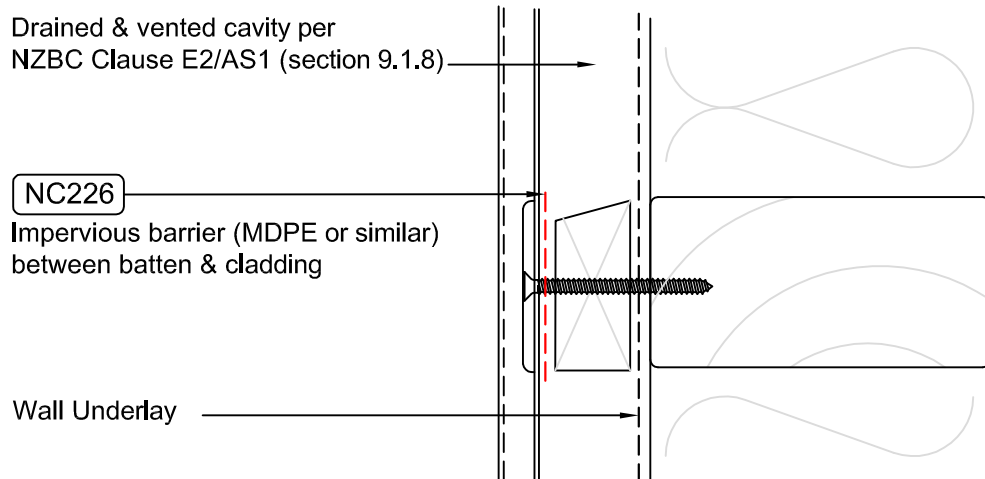
## NW-V003C - Vertical Cladding over Drained & Vented Cavity Base Channel & Fixing

Scale 1:2



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

Scale 1:2

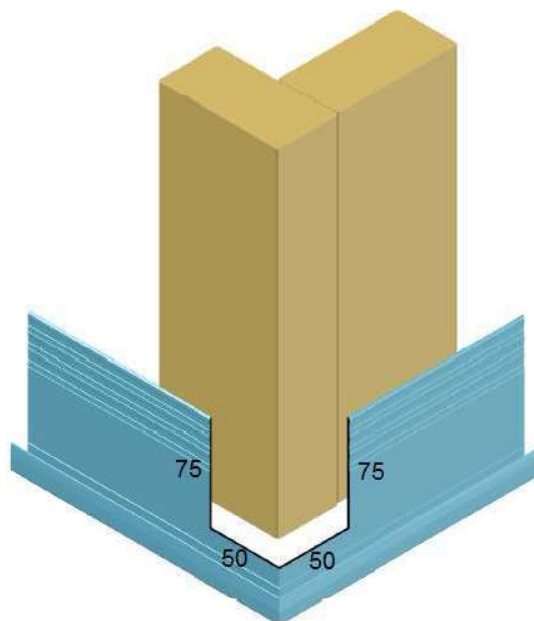


NW-V005C - Vertical Cladding over Drained & Vented Cavity Starter; Waterproof Deck

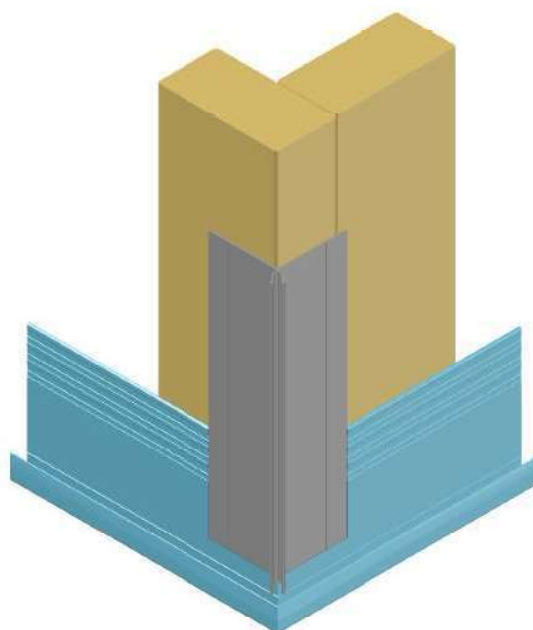
Scale 1:2



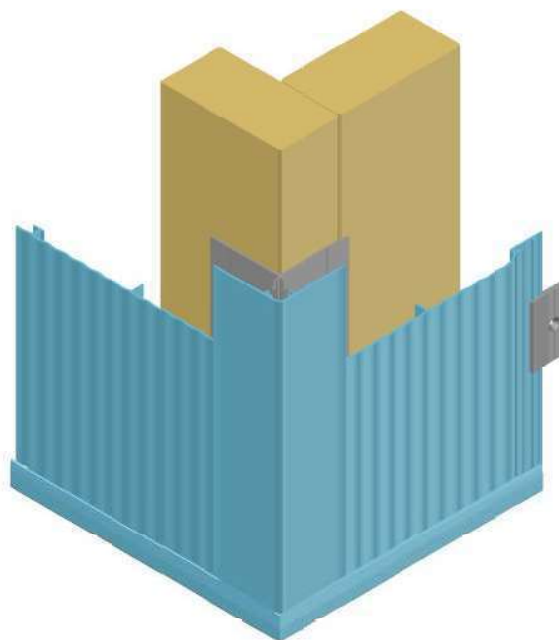
**1.** Cut ends of NC134 at 45 degrees. Check out rear upstand on both ends; 75mm high x 50mm wide. Fit NC134 to achieve mitred corner as shown.

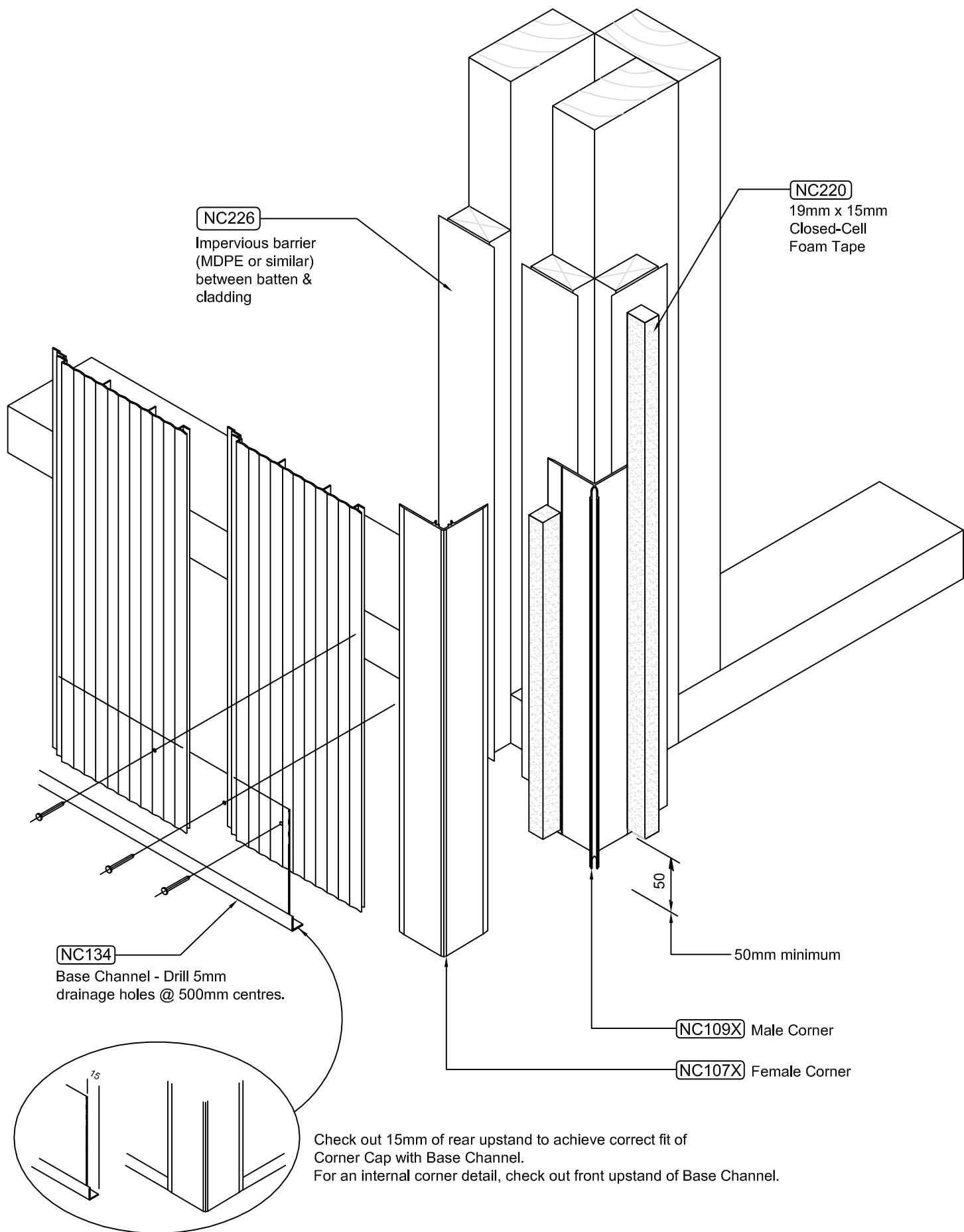


**2.** Fit NC109X into space created by checking out upstands. Ensure no overlapping occurs.



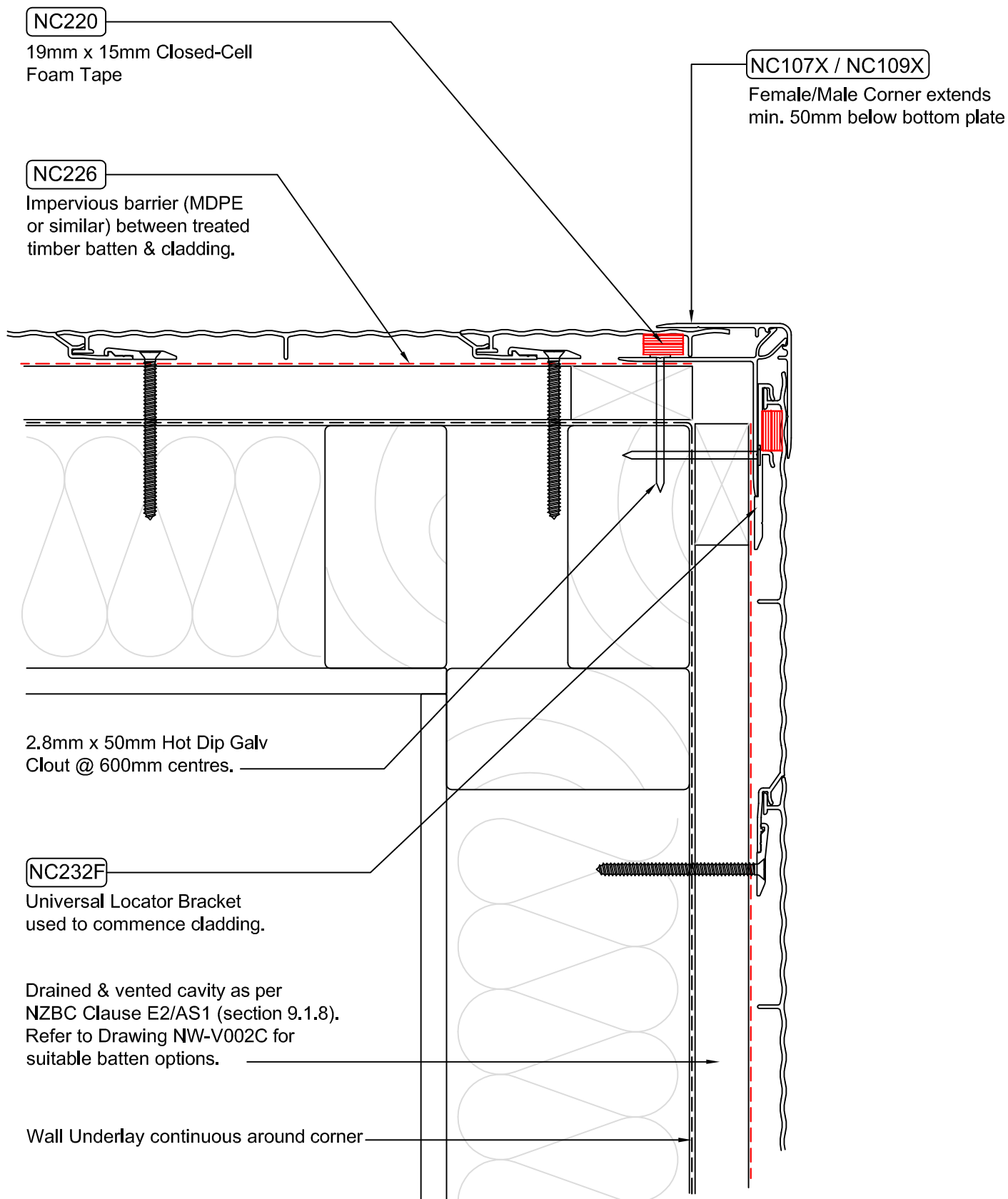
**3.** After cladding boards have been fitted, measure and cut NC107X to finish above front upstand of NC134 as shown. Fit NC107X.





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

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

19mm x 15mm Closed-Cell  
Foam Tape  
NC220

NC226

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

NC251

1 Piece External Corner  
35 x 70mm

NC250

Square Jamb Capping

NC232F

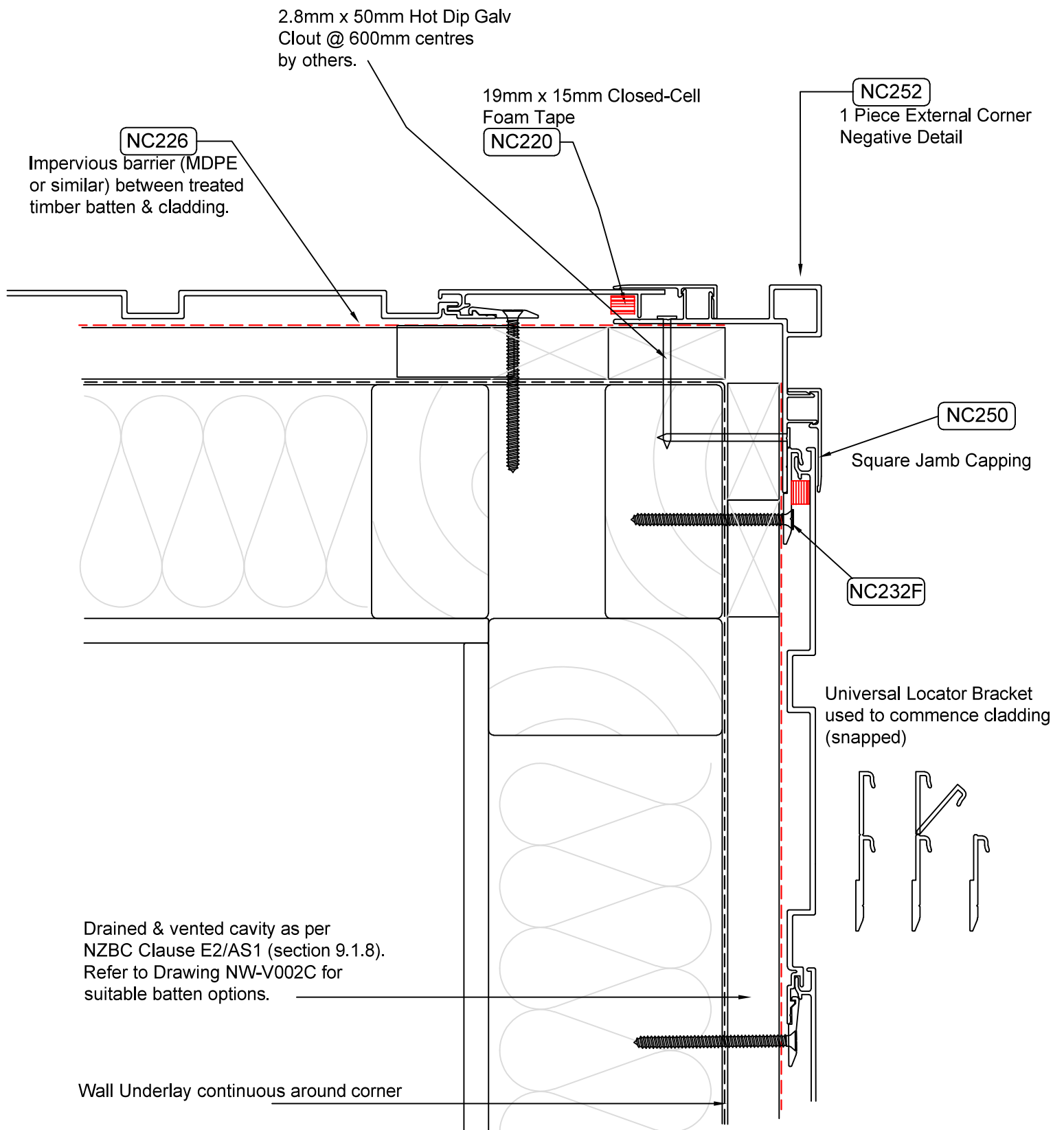
Universal Locator Bracket  
used to commence cladding  
(snapped)

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

Wall Underlay continuous around corner

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

Scale 1:2



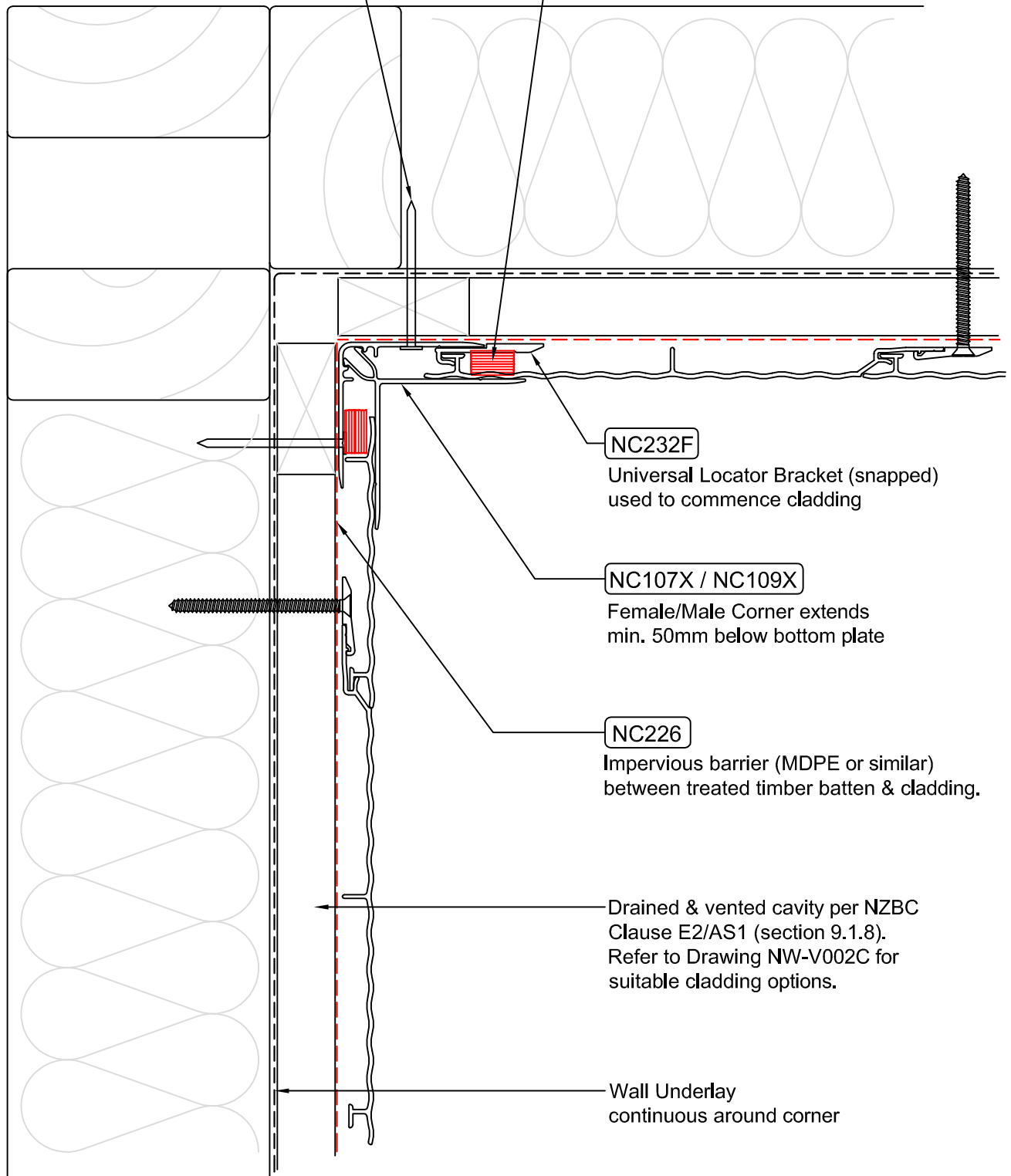
NW-V007C.3 - Vertical Cladding over Drained & Vented Cavity - 1 Piece External 90° Corner  
Negative Detail

Scale 1:2

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

NC220

19mm x 15mm Closed-Cell  
Foam Tape



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

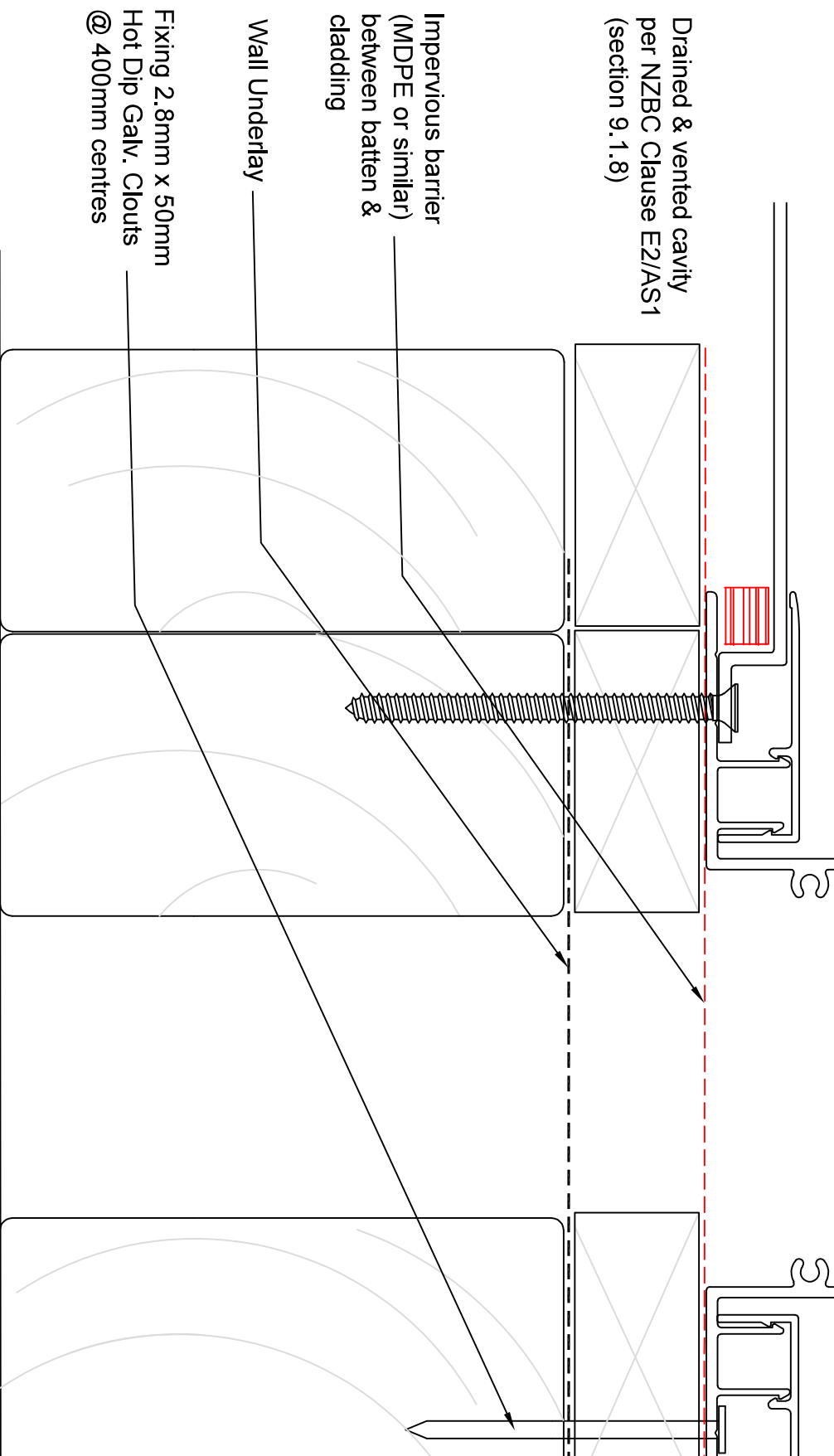
Impervious barrier (MDPE or  
similar) between batten & cladding.

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

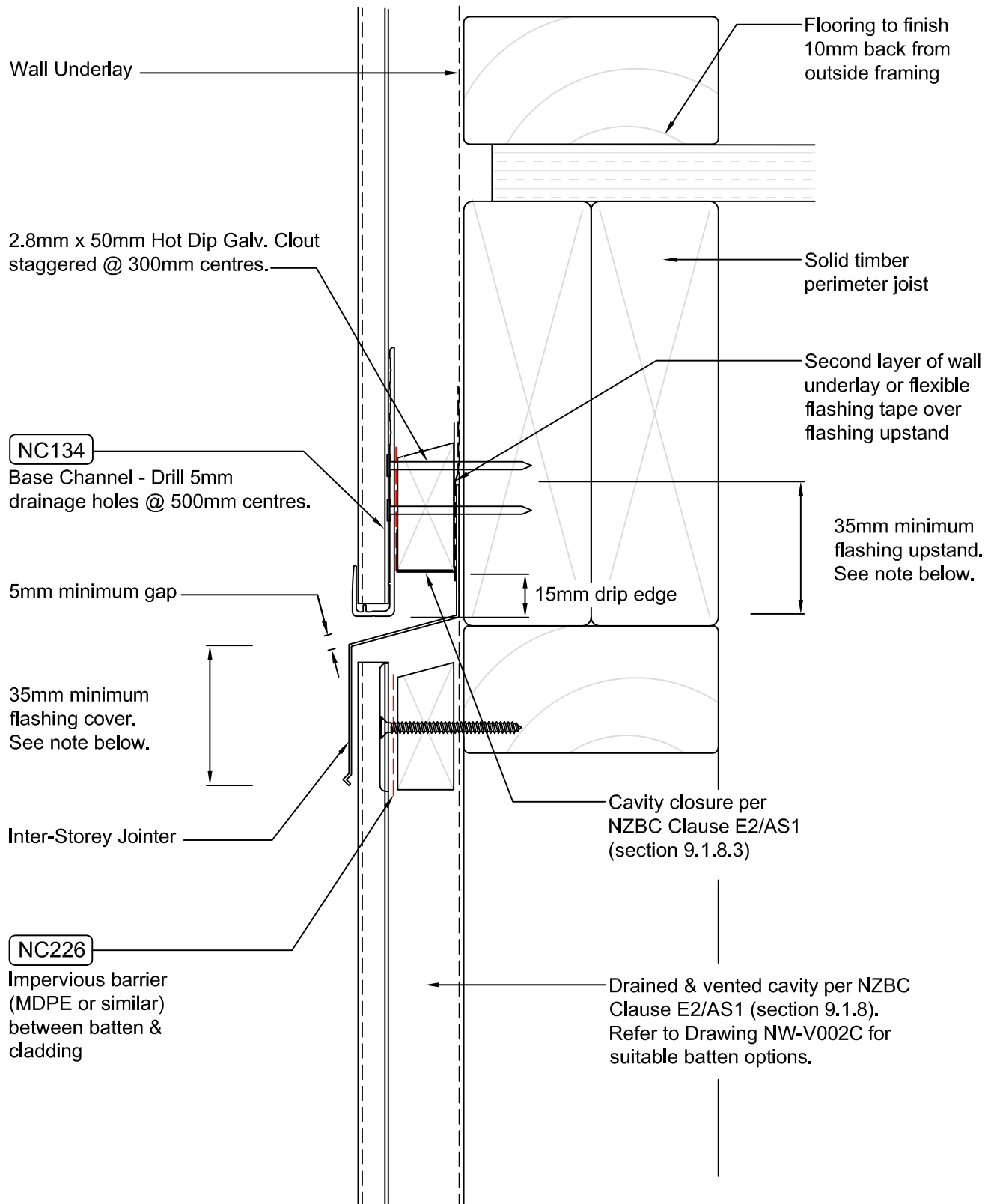
Scale 1:2



## NW-V008C.3 - Vertical Cladding over Drained & Vented Cavity NC249 Top Hat Feature

Scale 1:1



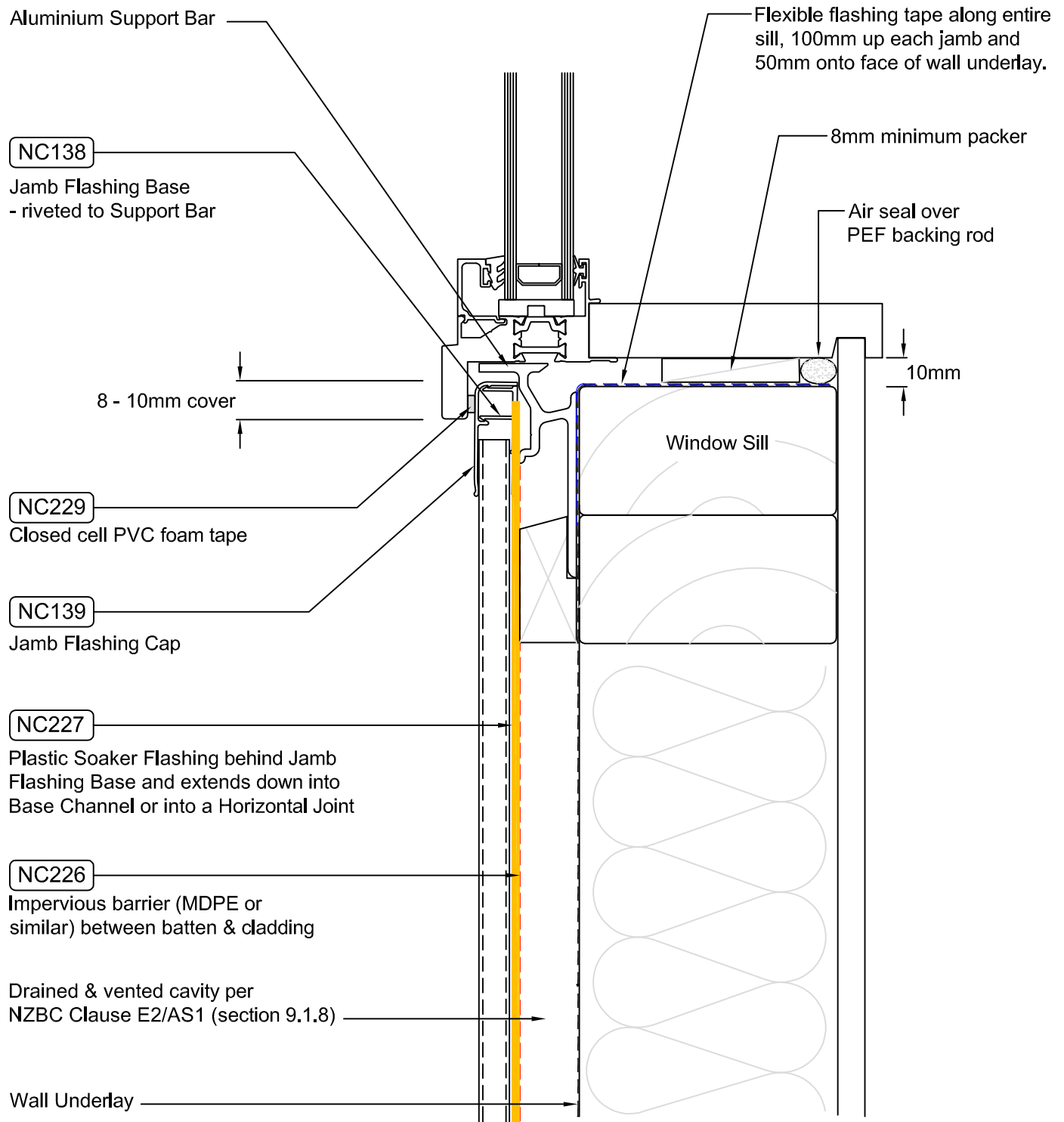


#### **NOTE:**

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

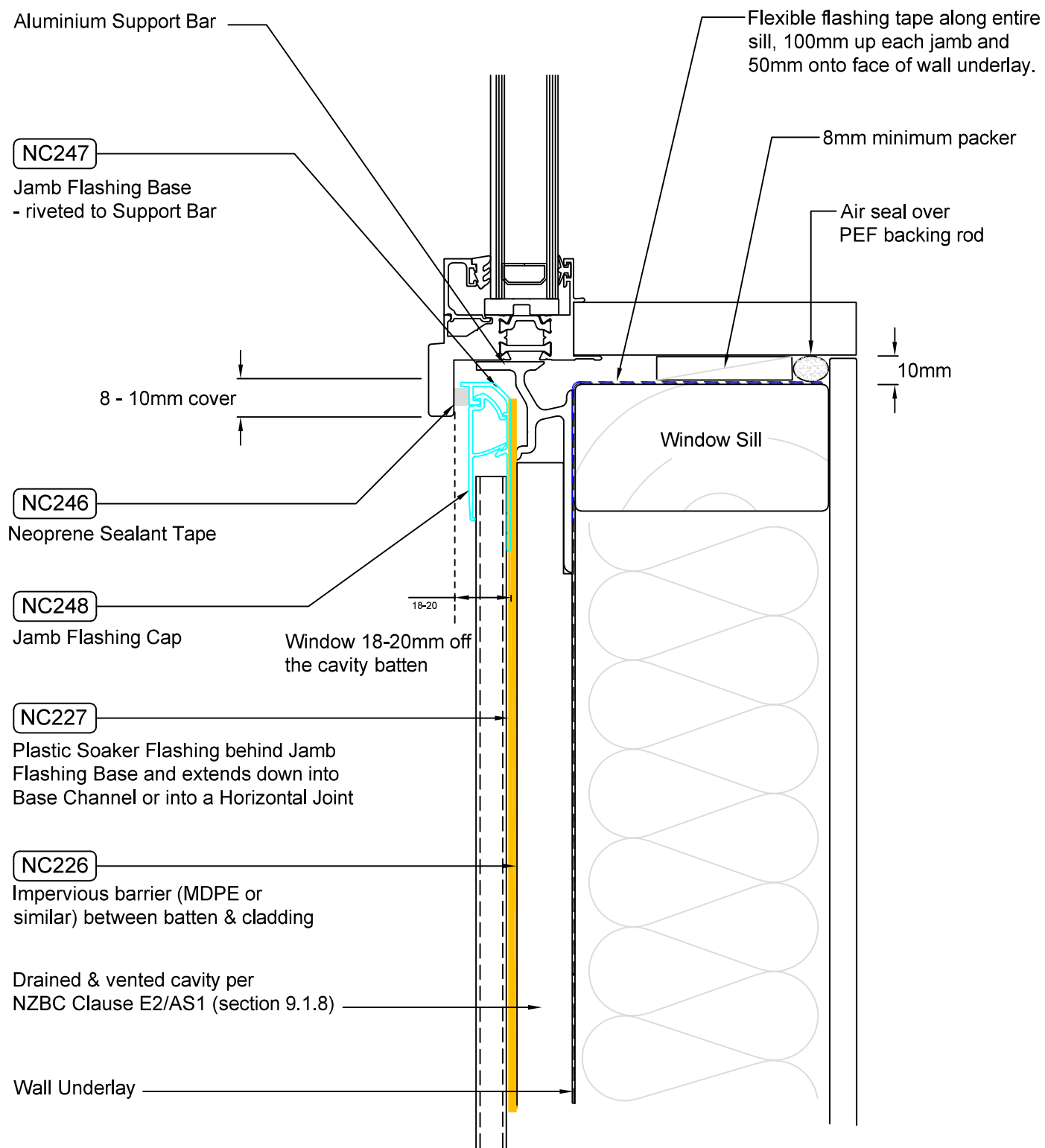
Scale 1:2



**NOTE:** Cladding fixings omitted for clarity.

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

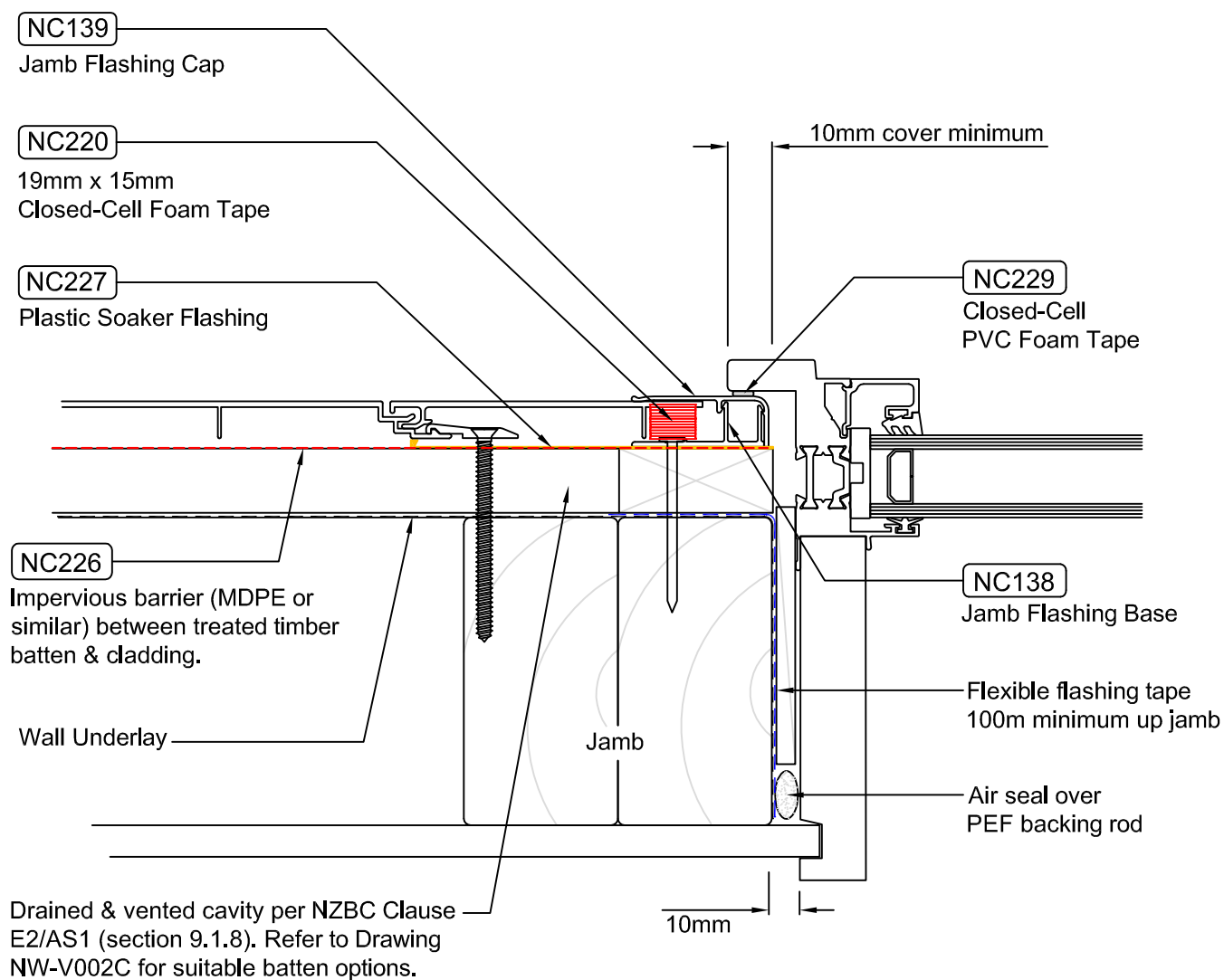
Scale 1:2



NW-V010C.2 - Vertical Cladding over Drained & Vented Cavity - Window Sill with Support Bar

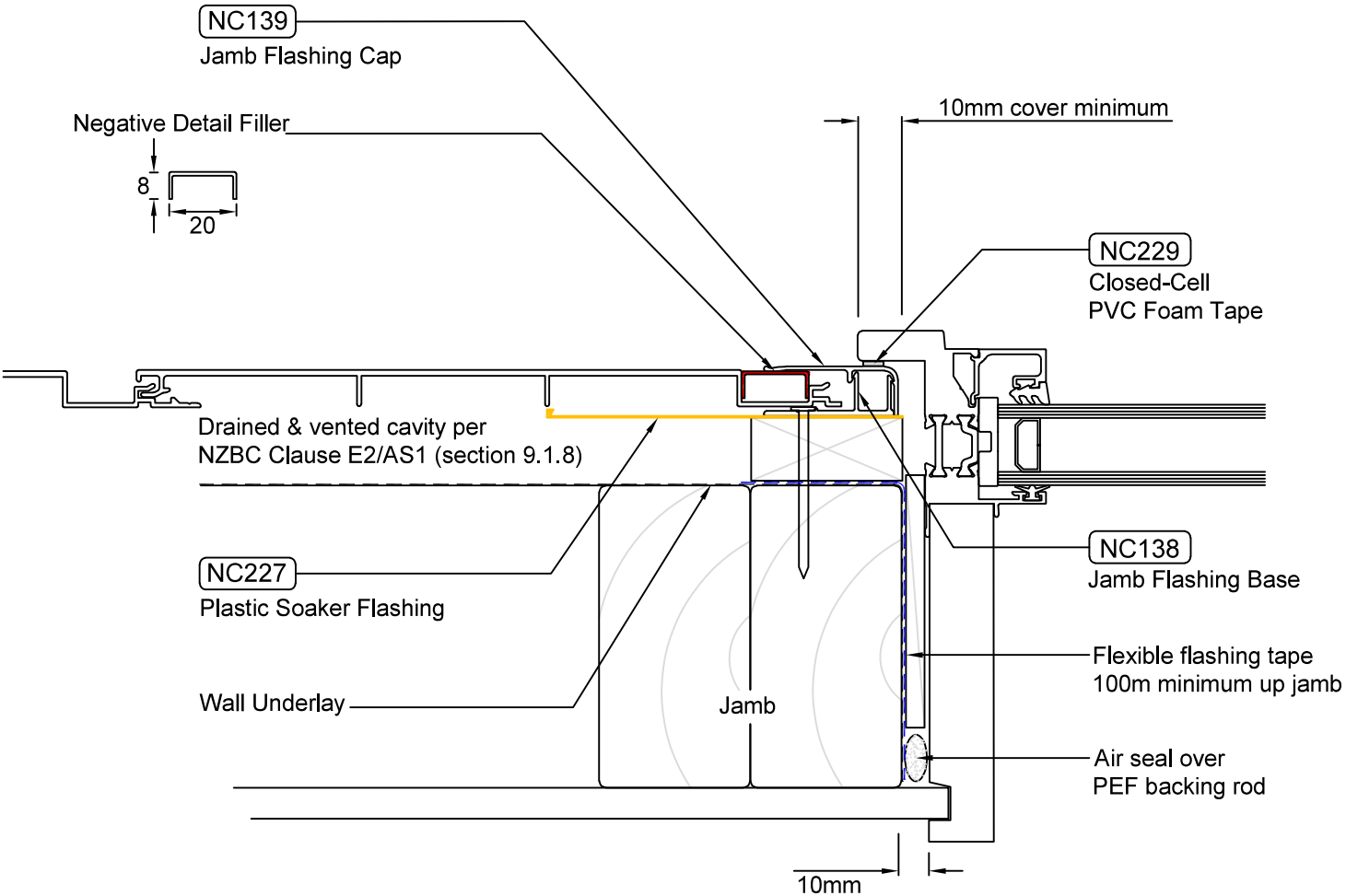
NC247, NC248

Scale 1:2

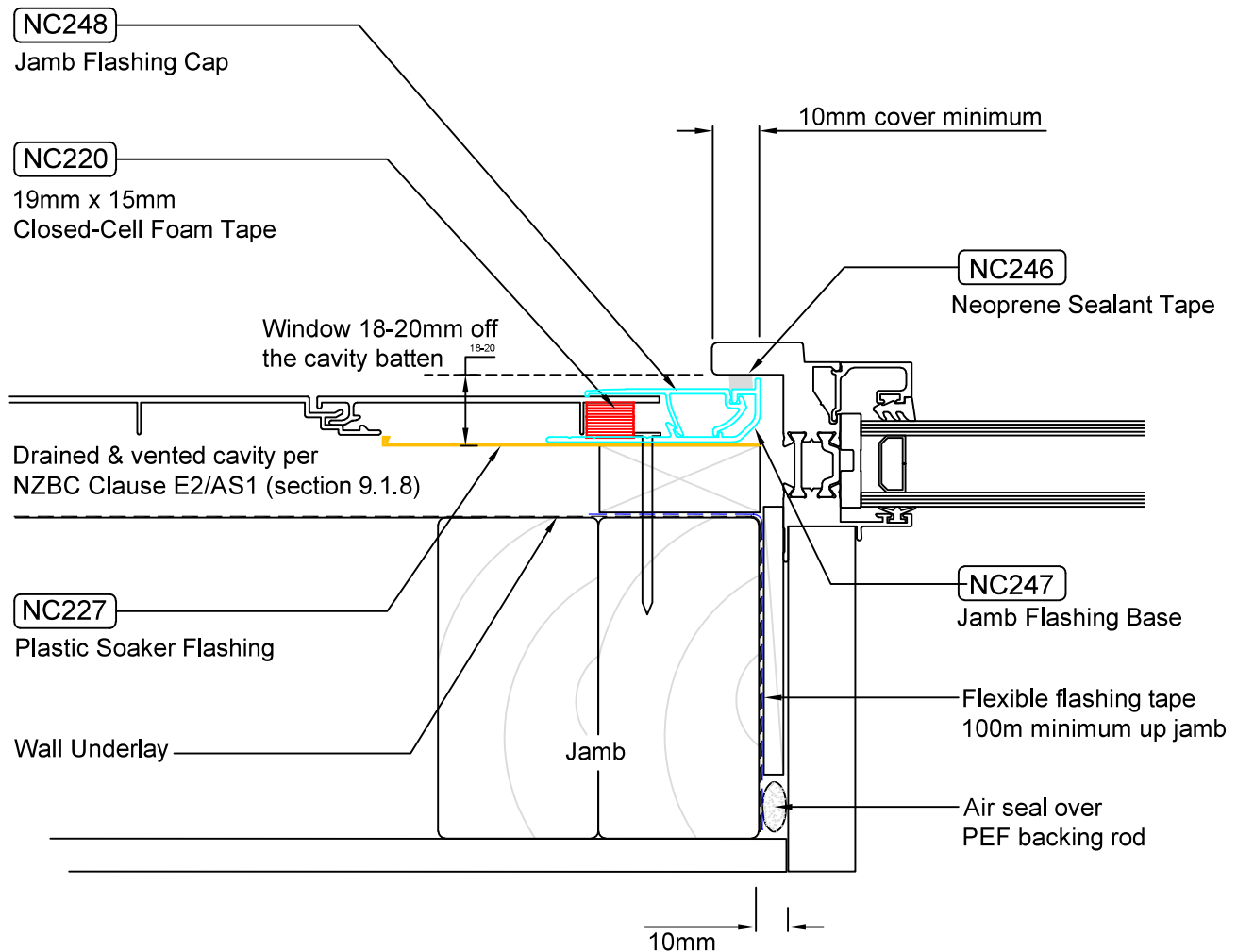


## NW-V011C - Vertical Cladding over Drained & Vented Cavity - Window Jamb

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

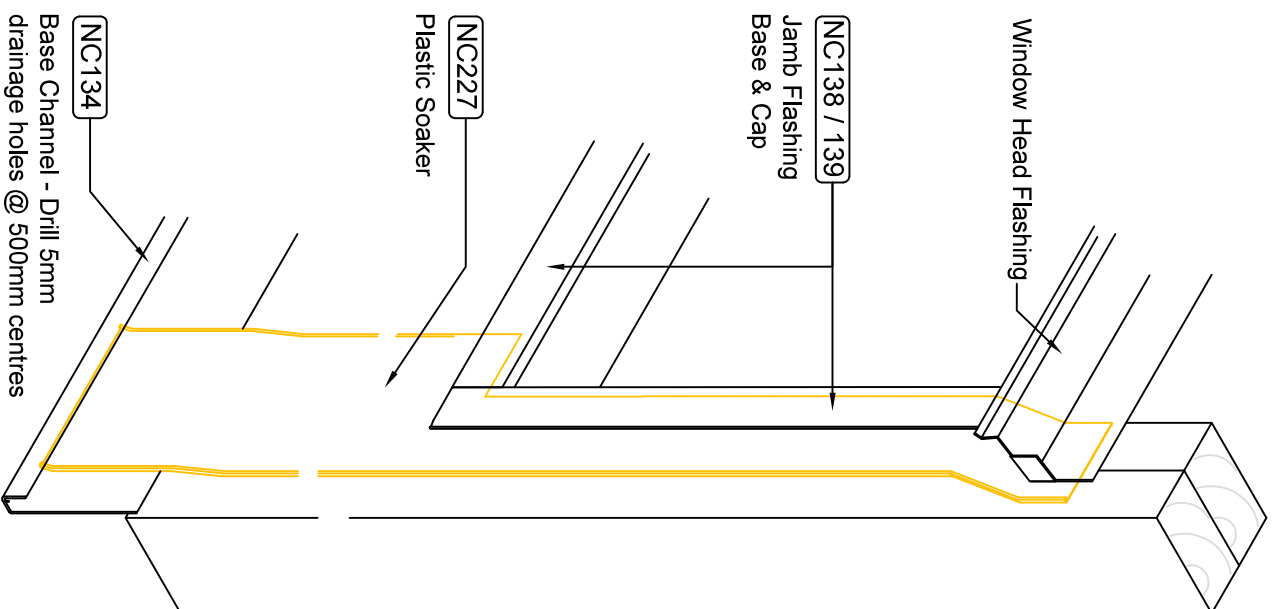
Flexible flashing tape  
at corners

#### NOTE:

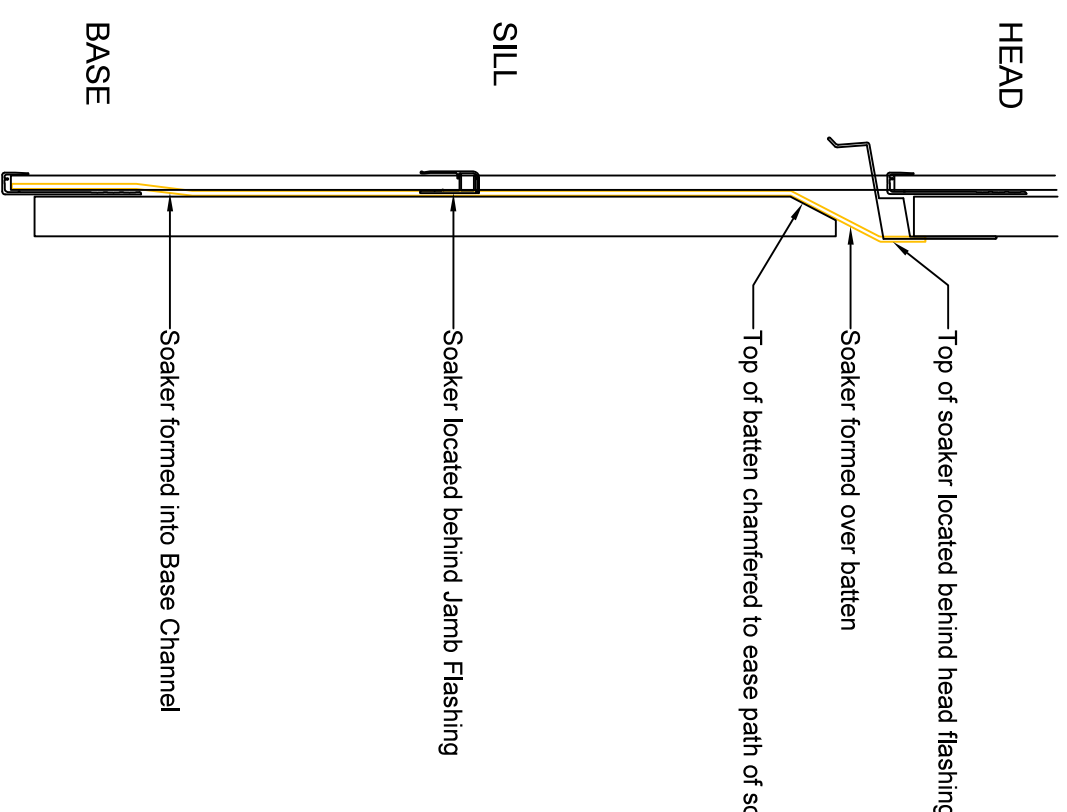
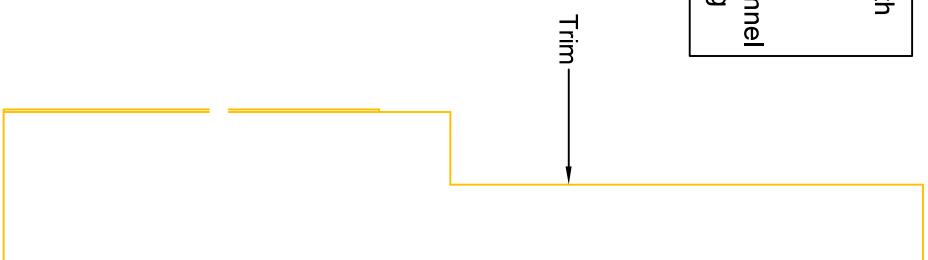
Rigid Air Barrier (RAB) also  
required in *Extra High* wind zones.  
Refer to E2/AS1 (section 9.1.7.2)

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

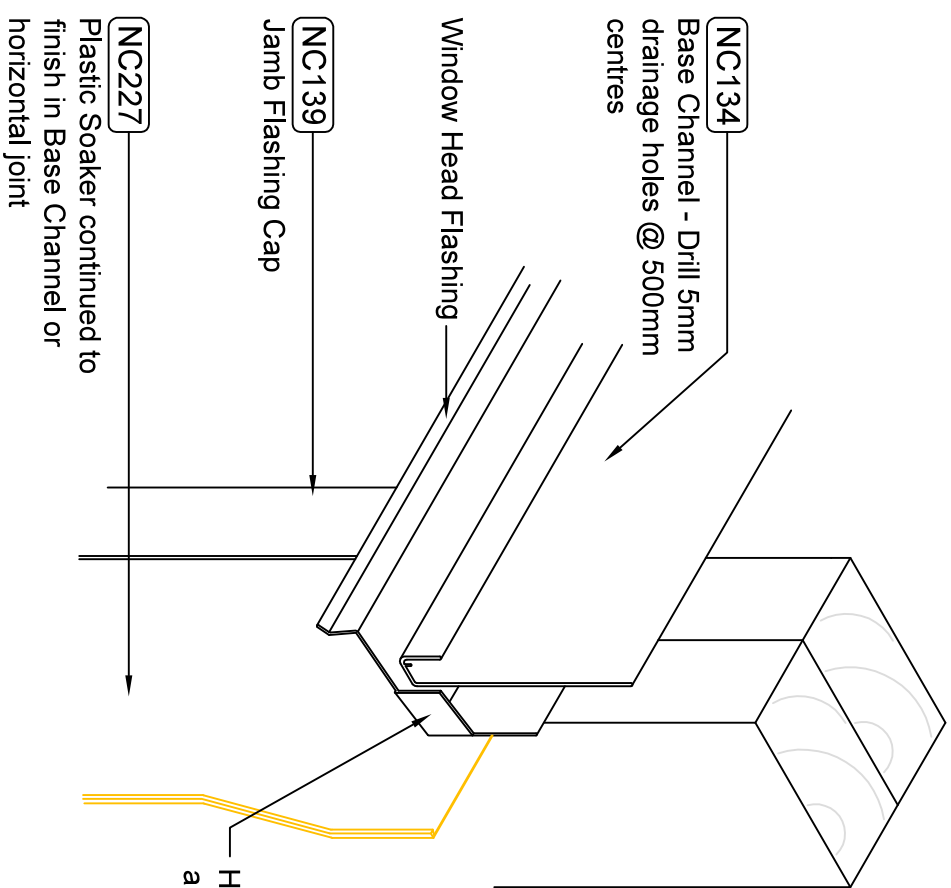


## NW-V013C - Vertical Cladding over Drained & Vented Cavity - Window Head & Sill Soaker Details

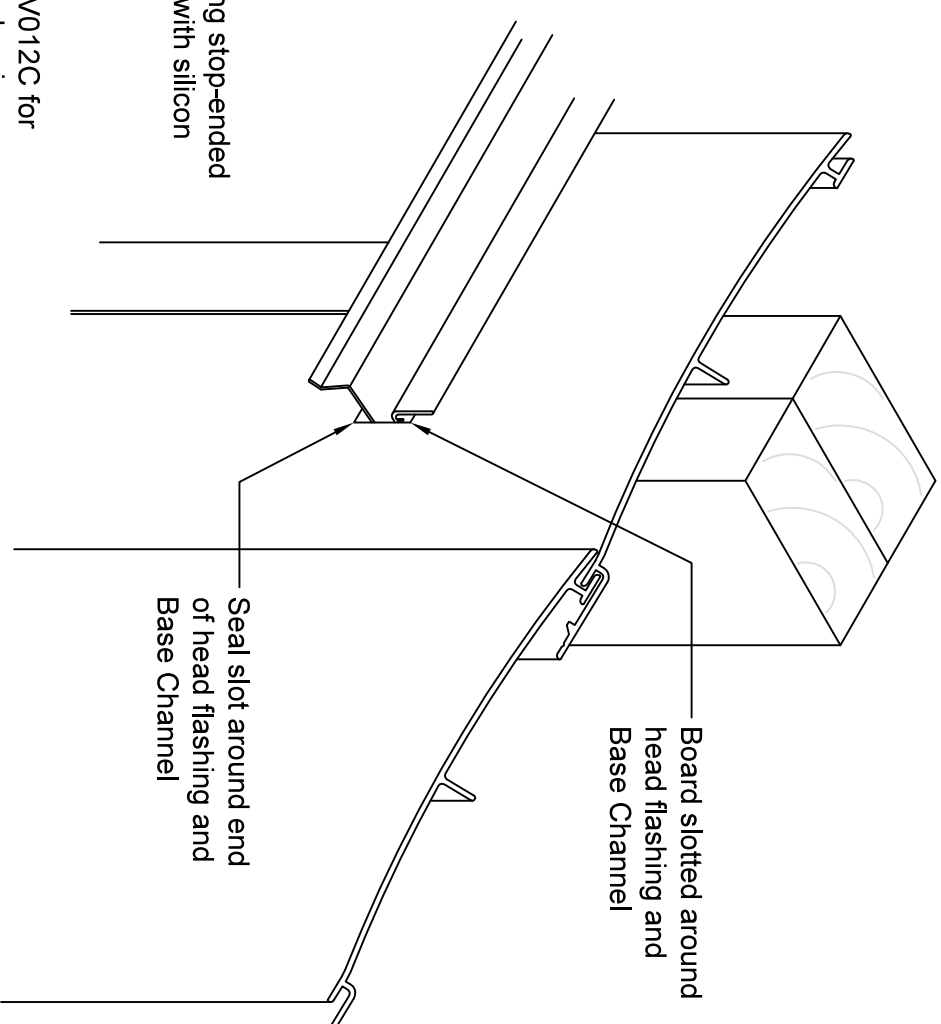
Scale NTS



Junction prior to cladding around window head

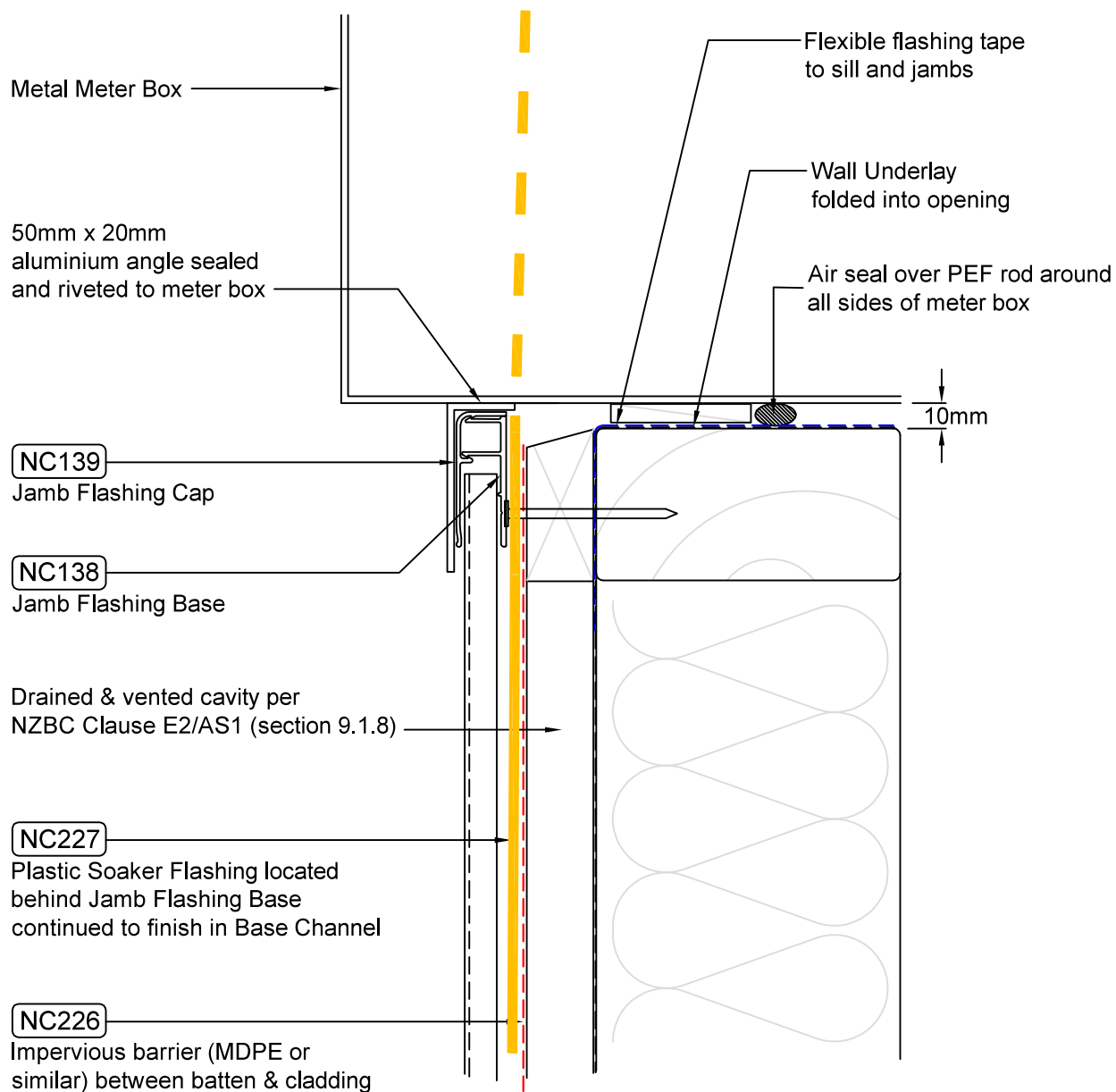


Junction after cladding around window head

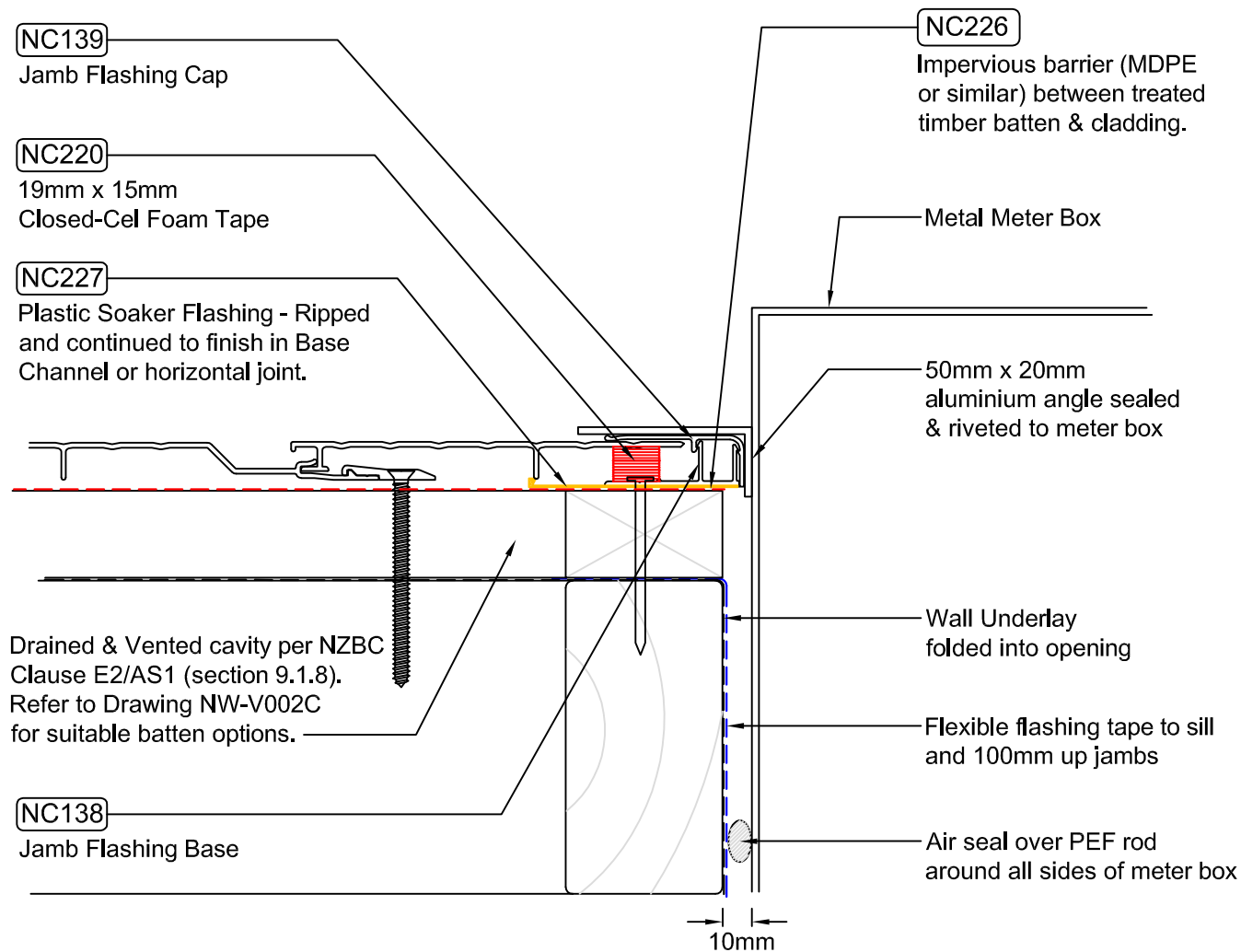


Ref NW-V012C for  
sectional drawing

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

Wall Underlay continuous behind head flashing

Flashing Tape or second layer of Wall Underlay over head flashing

Nog as required

15mm drip edge

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

10mm

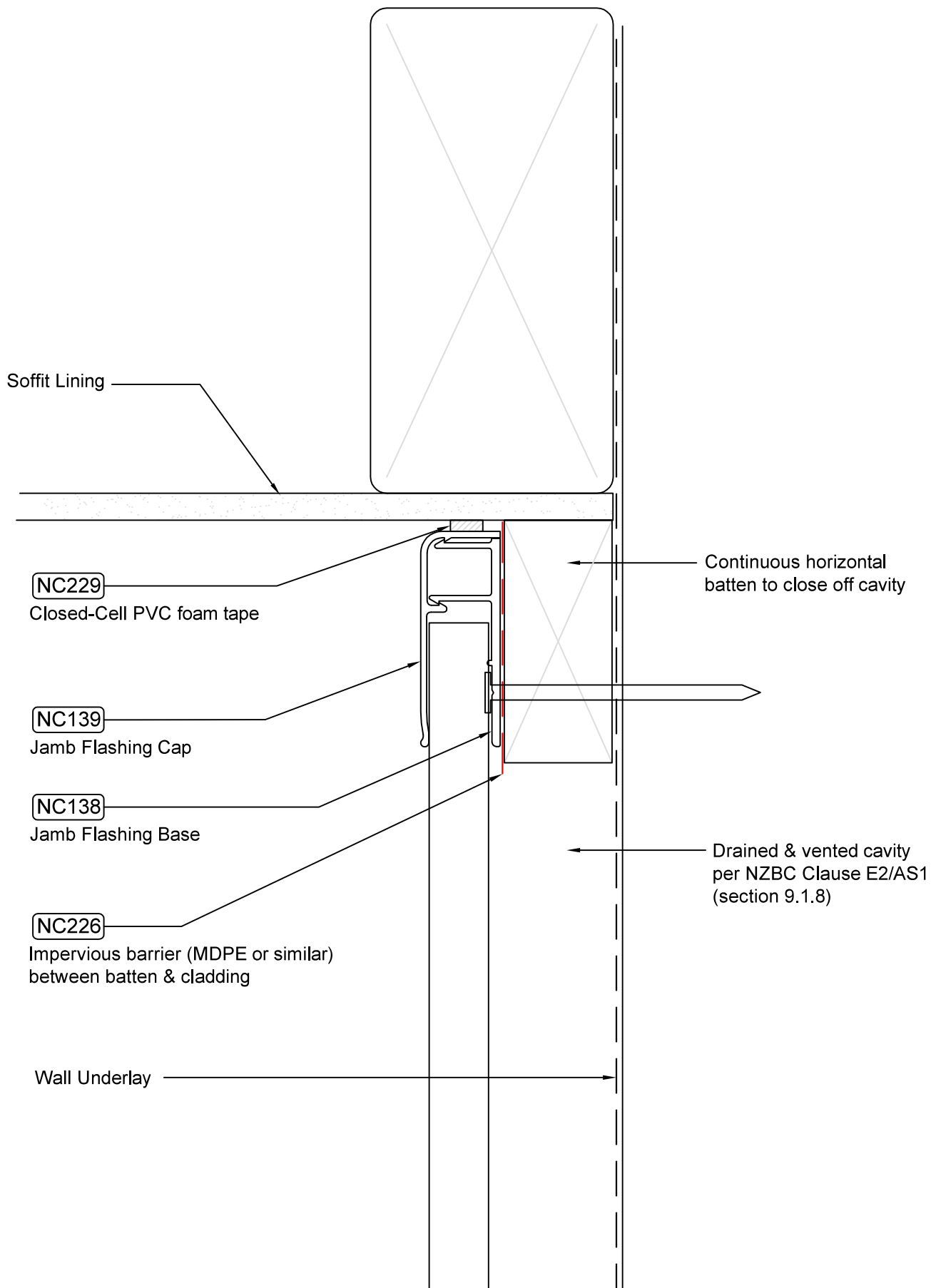
10mm cover

Air seal over PEF rod around all sides of meter box

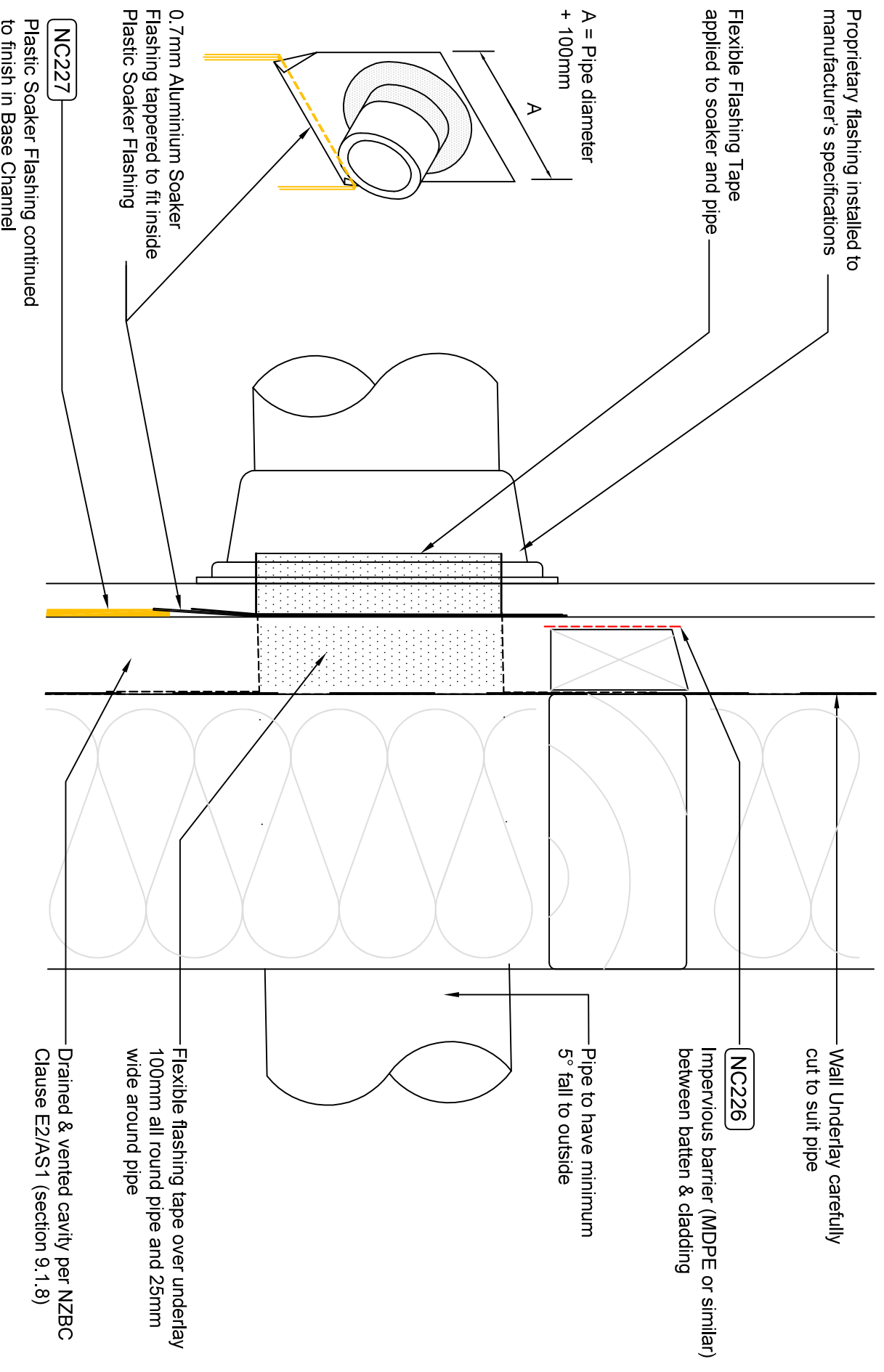
Flexible flashing tape at corners

50mm x 20mm aluminium angle sealed and riveted to meter box

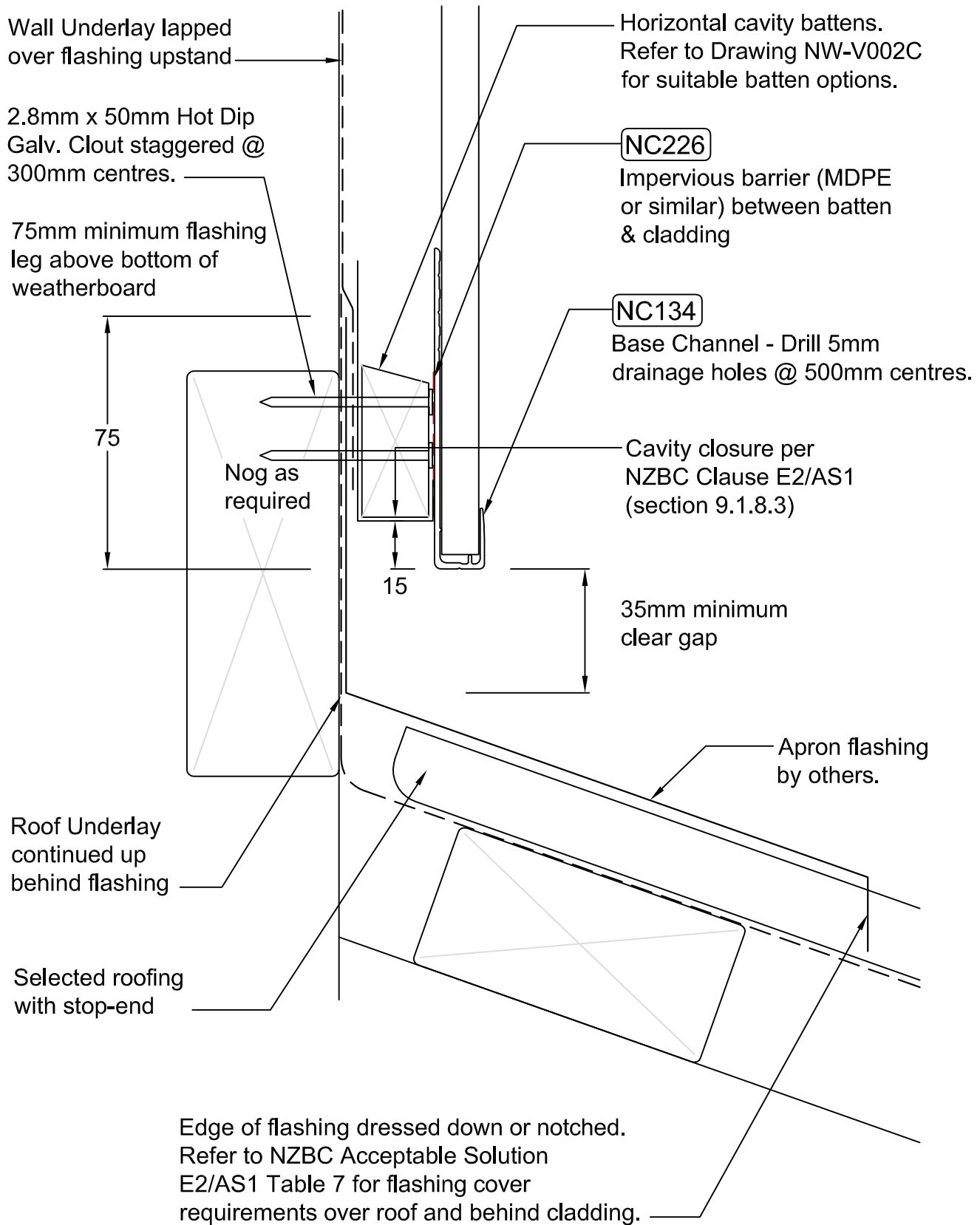
NW-V017C - Vertical Cladding over Drained & Vented Cavity - Meter Box Head Detail  
Scale 1:2



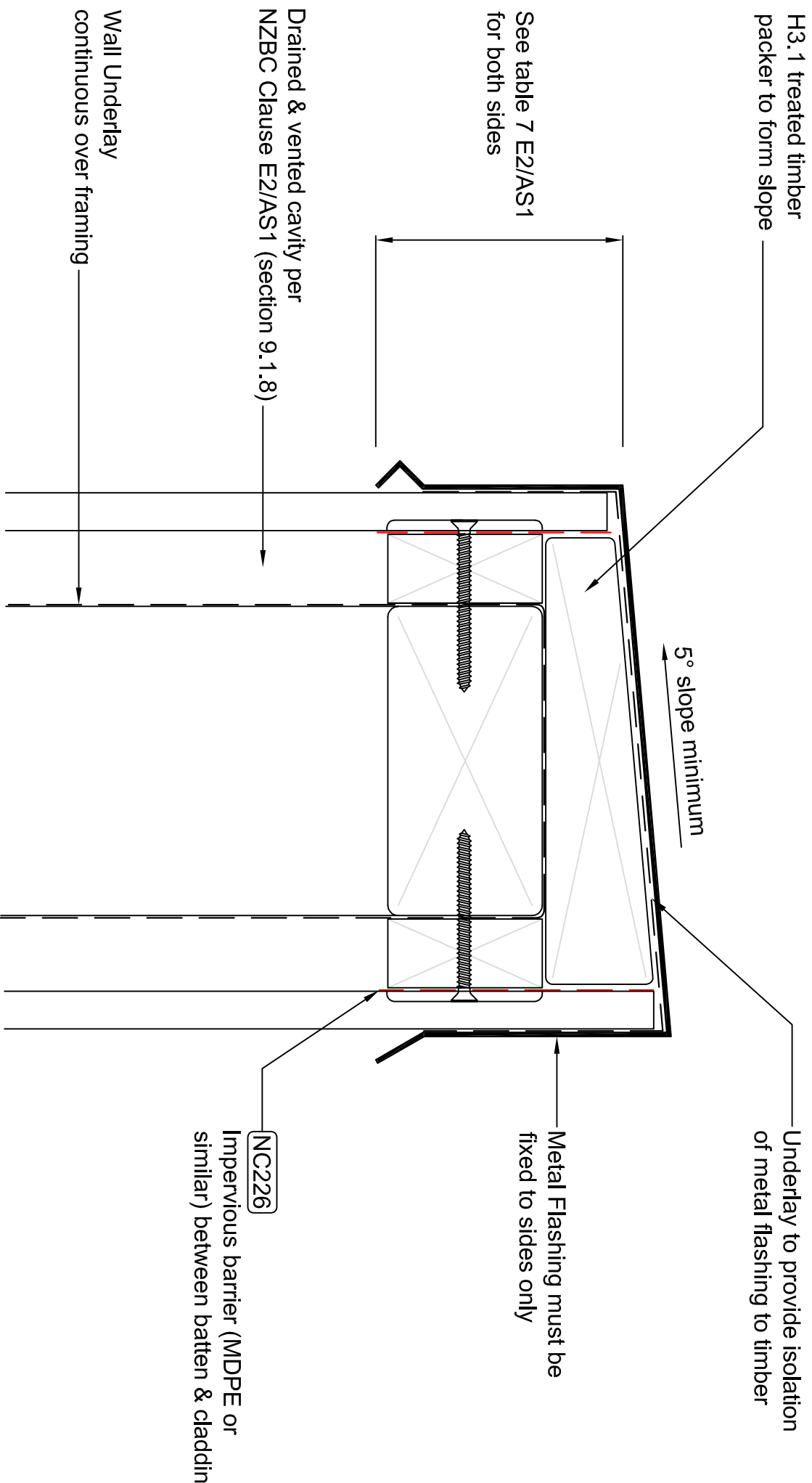
NW-V018C - Vertical Cladding over Drained & Vented Cavity - Soffit Trim  
Scale 1:1



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

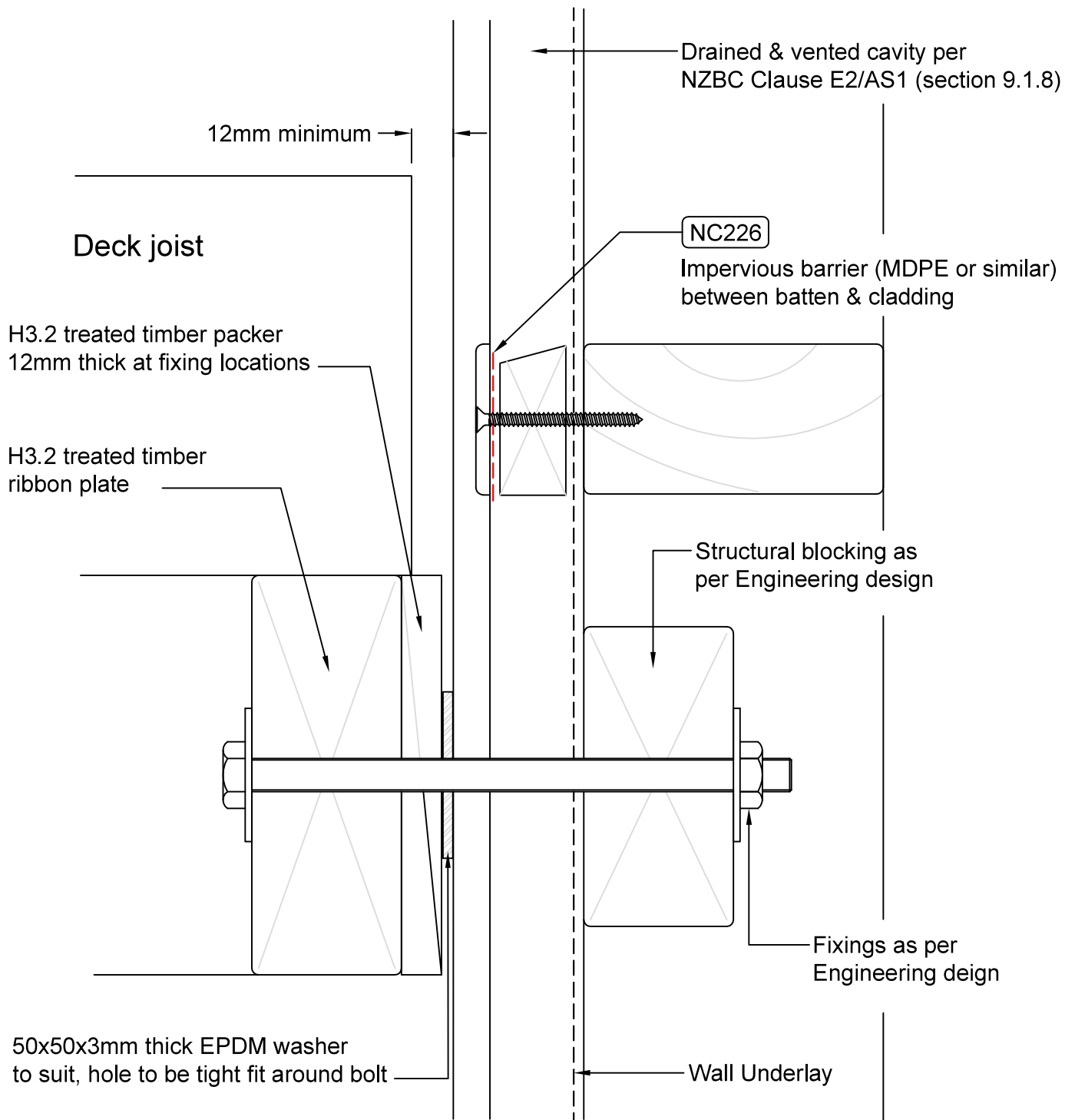


NW-V020C - Vertical Cladding over Drained & Vented Cavity - Roof / Wall Junction  
Scale NTS



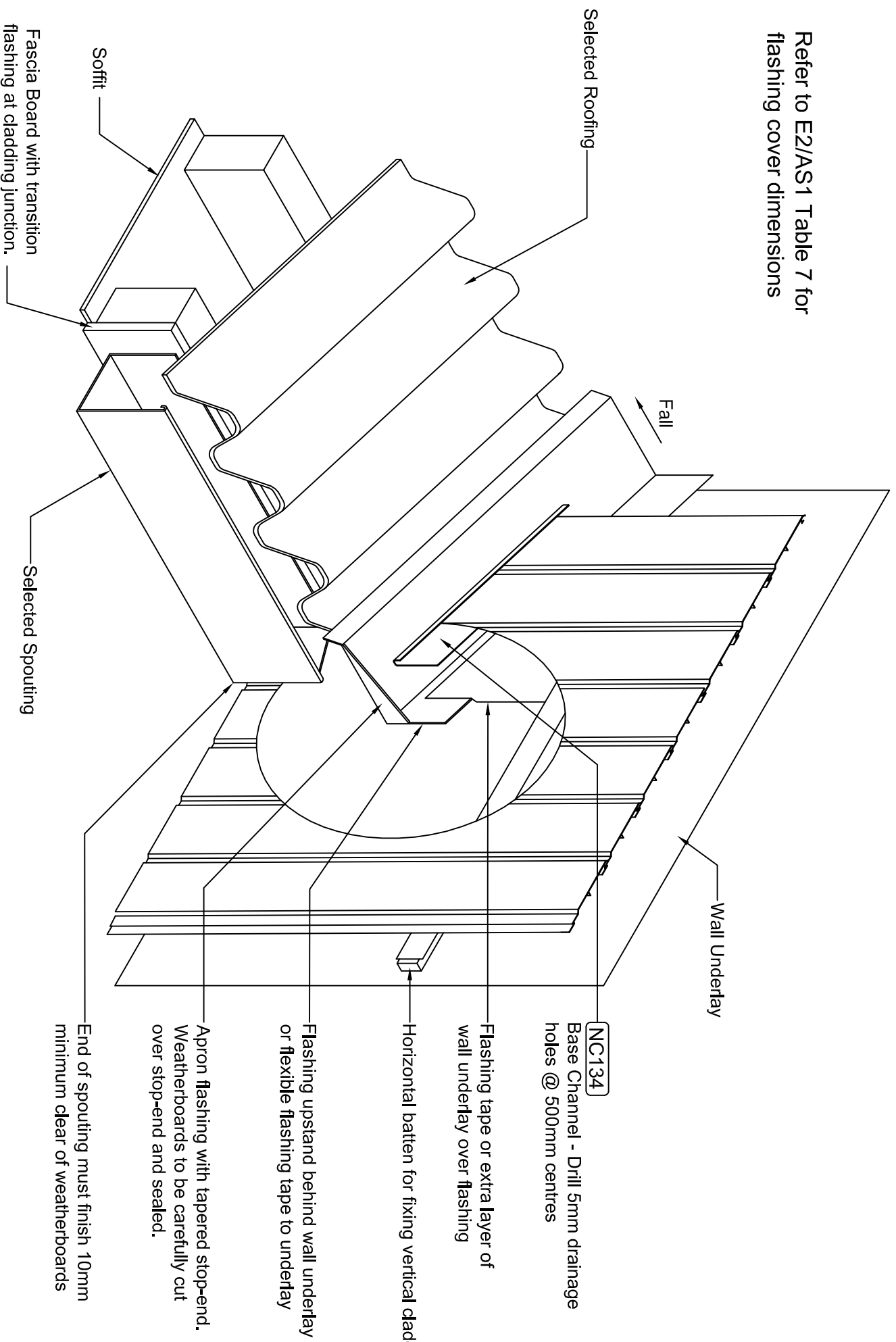
**NW-V021C - Vertical Cladding over Drained & Vented Cavity - Parapet Flashing**  
**Scale NTS**





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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August 2014