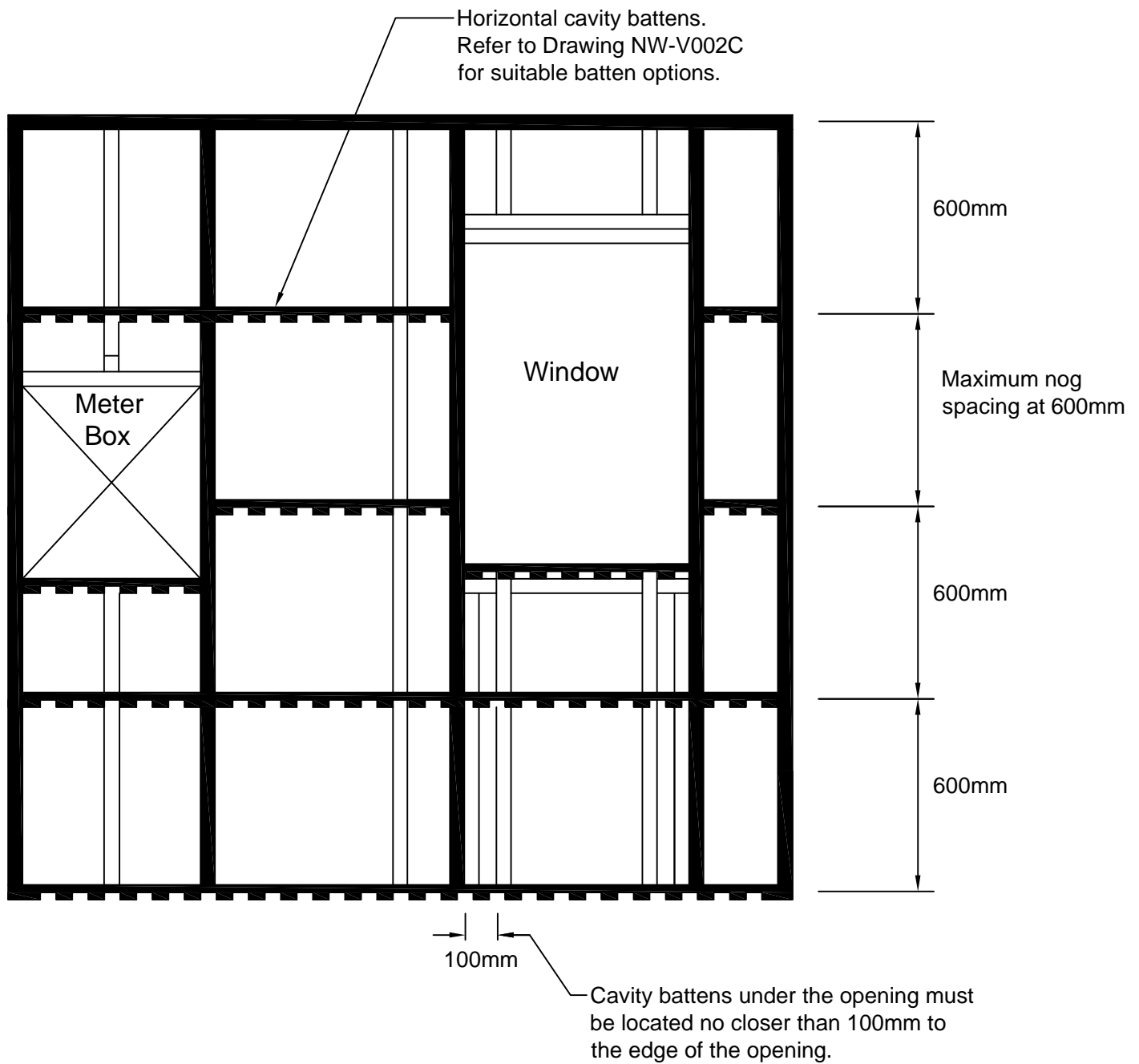




## **NU-WALL EXTRUDED ALUMINIUM CLADDING**

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

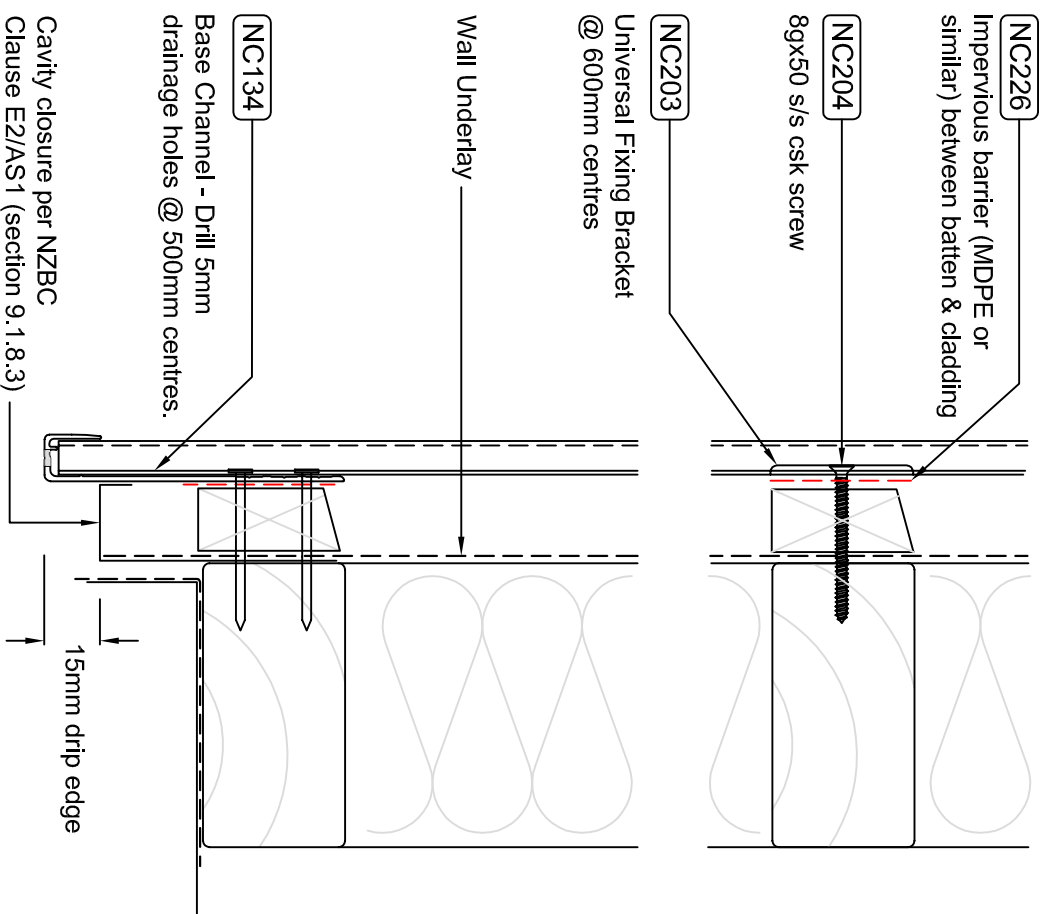
- 1. NW-V001C; Cavity batten layout**
- 2. NW-V002C; Battening options**
- 3. NW-V002C; Battening options – steel framing**
- 4. NW-V003C; Base channel & fixing detail**
- 5. NW-V004C; Base channel over timber floor**
- 6. NW-V005C; Base channel over waterproof deck**
- 7. NW-S004; Base channel mitred corner detail**
- 8. NW-V006C; Base channel / external 90° corner isometric**
- 9. NW-V007C; External 90° corner**
- 10. NW-V008C; Internal 90° corner**
- 11. NW-V009C; Horizontal joint**
- 12. NW-V010C; Window sill section**
- 13. NW-V011C; Window jamb section**
- 14. NW-V012C; Window head section**
- 15. NW-V013C; Window head & sill soaker flashing detailing**
- 16. NW-V014C; Window head flashing end detail**
- 17. NW-V015C; Meter box sill section**
- 18. NW-V016C; Meter box jamb section**
- 19. NW-V017C; Meter box head section**
- 20. NW-V018C; Soffit trim section**
- 21. NW-V019C; Pipe penetration**
- 22. NW-V020C; Roof / wall junction**
- 23. NW-V021C; Parapet flashing**
- 24. NW-V022C; Deck junction**
- 25. NW-V023C; Gutter / wall junction**



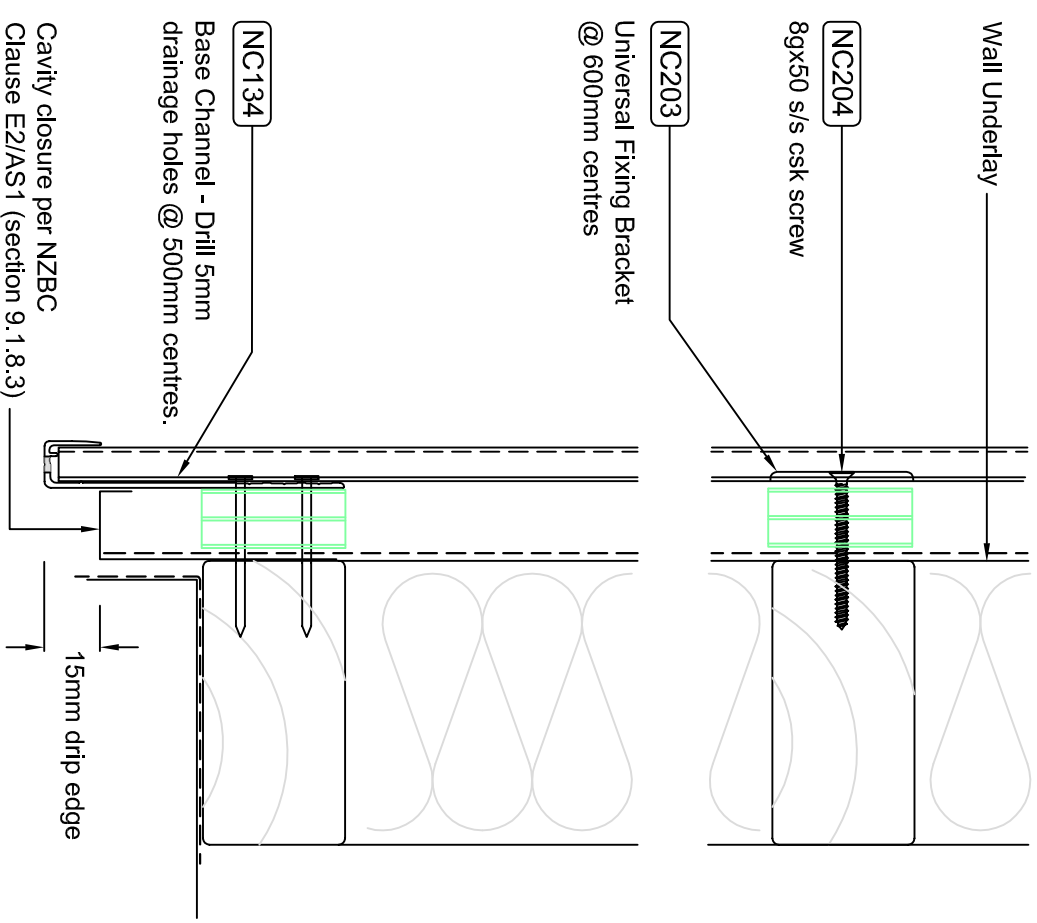
NW-V001C - Vertical Cladding over Drained & Vented Cavity Batten Layout  
Scale NTS

## 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

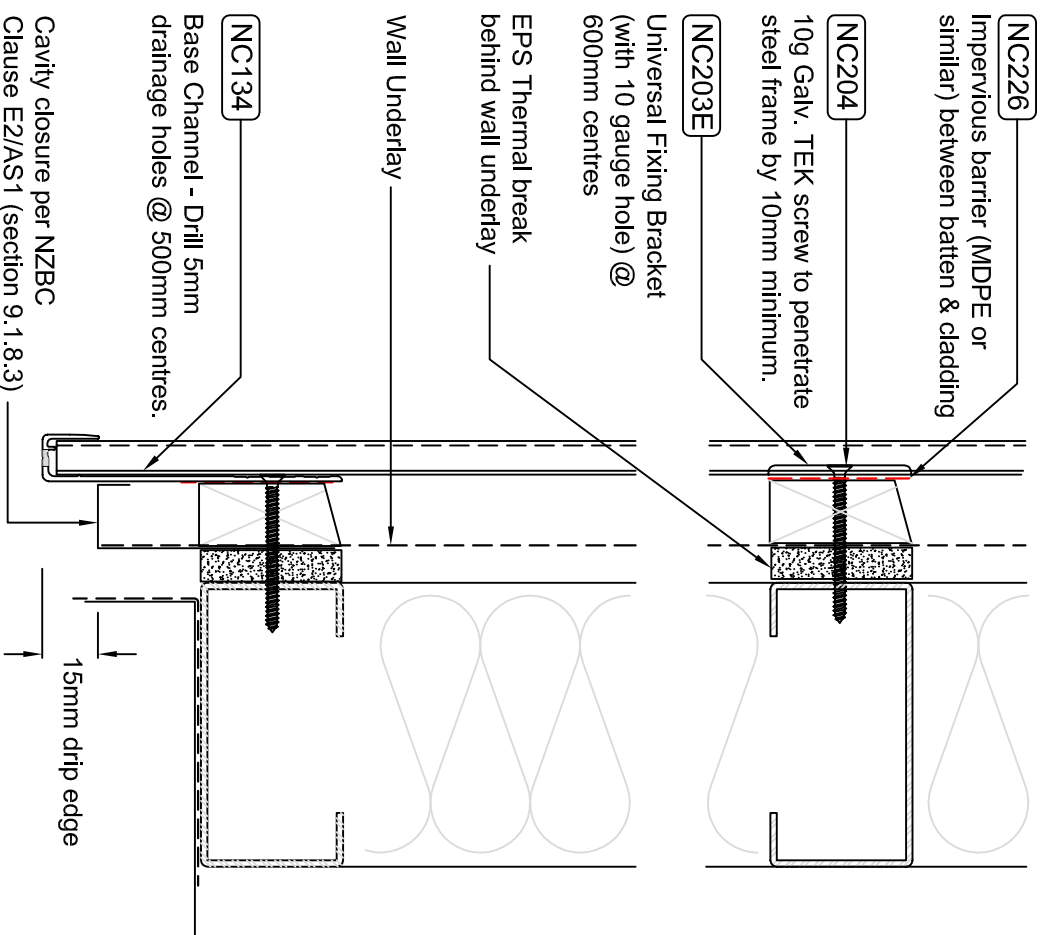


### NW-V002C - Vertical Cladding over Drained & Vented Cavity Battening Options

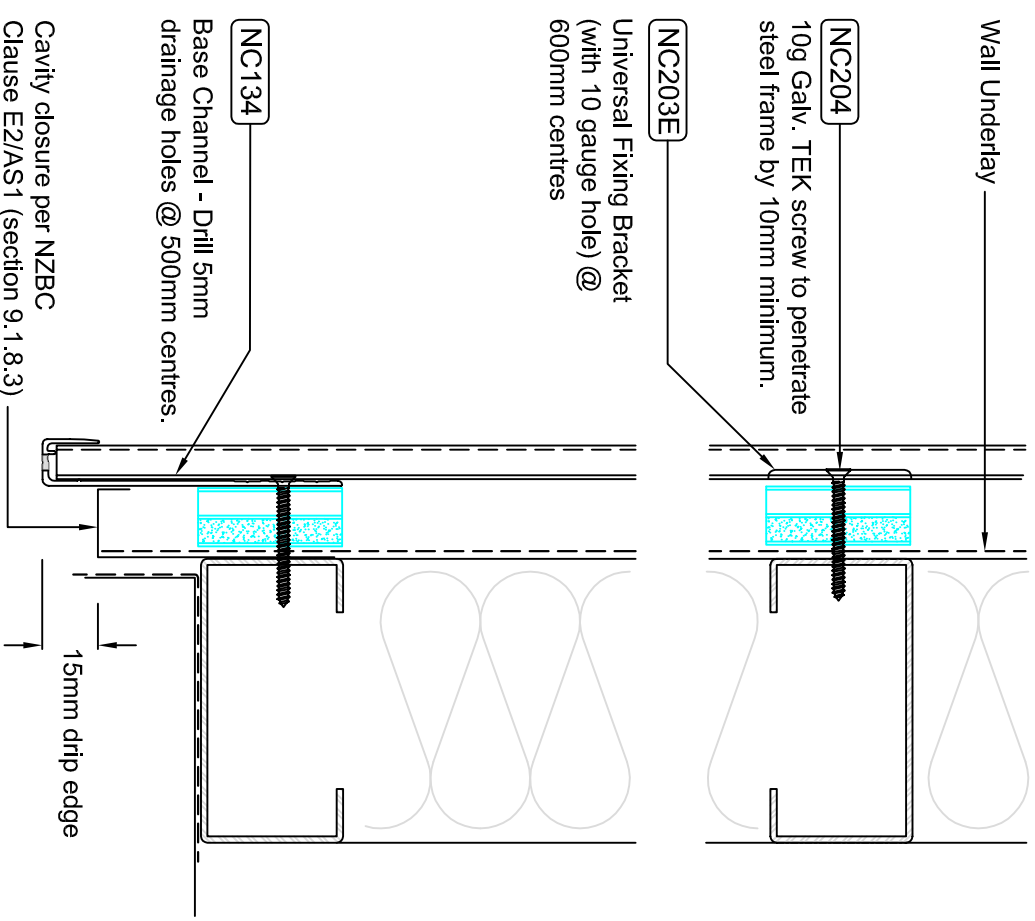
Scale NTS

## 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

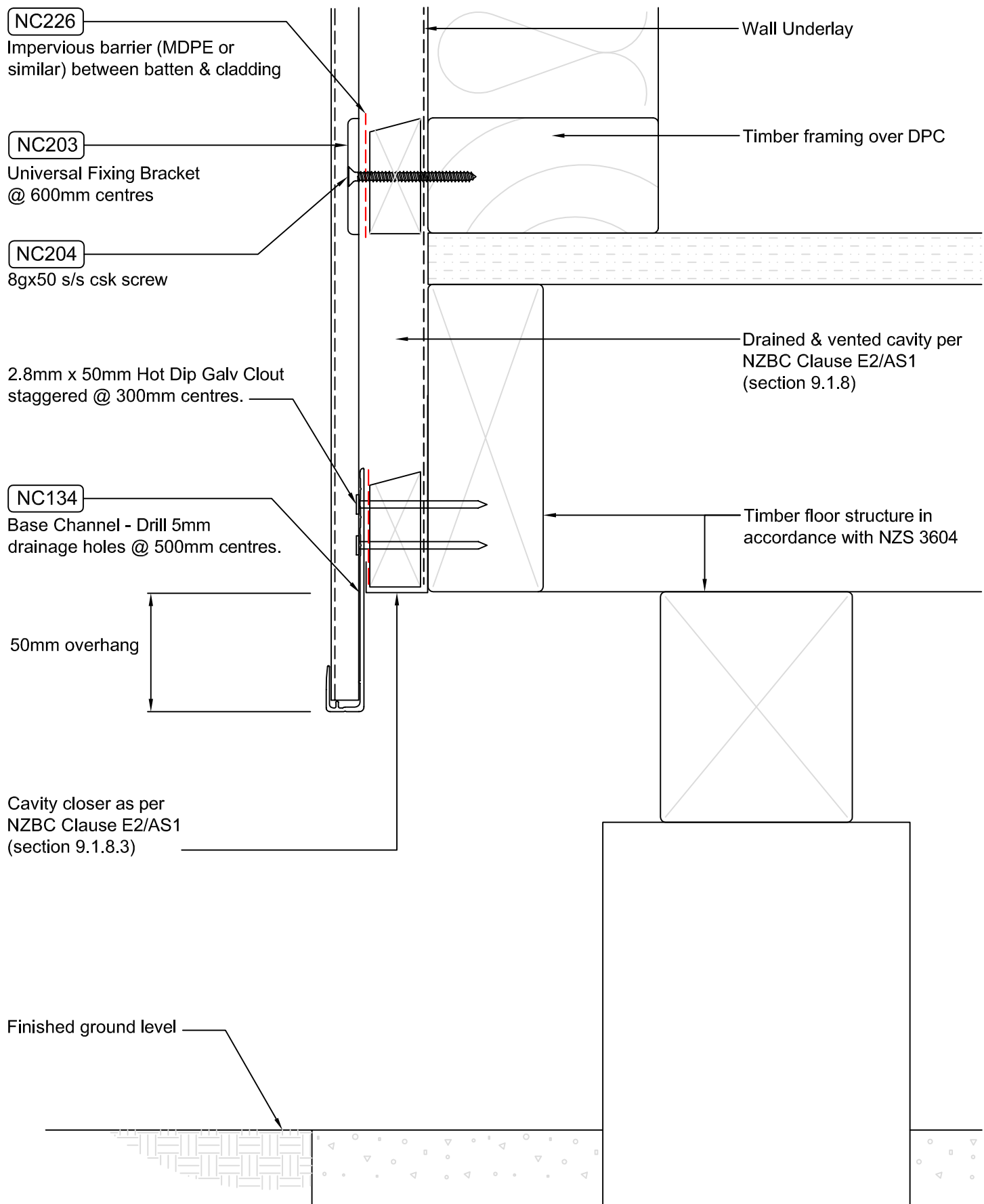
100mm to permanent paving or  
175mm to unfinished ground

Bottom Plate

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

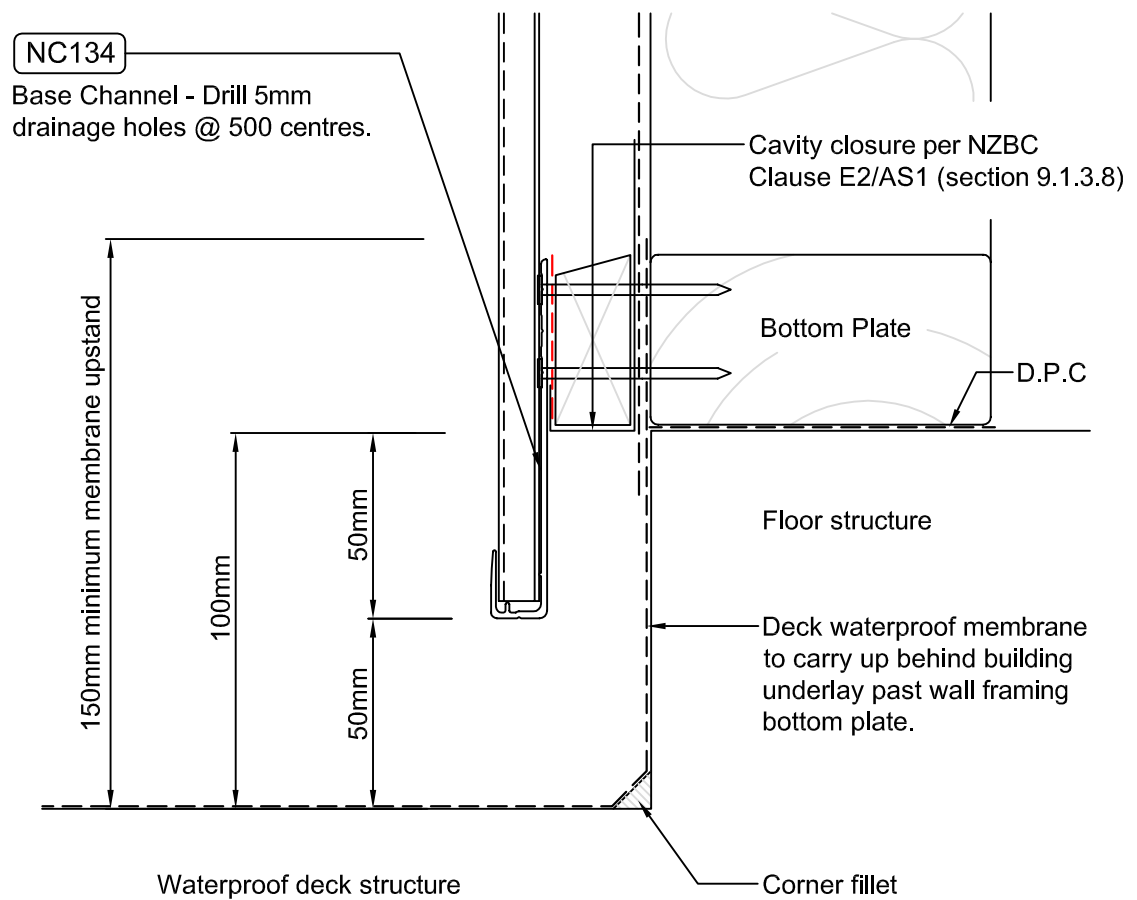
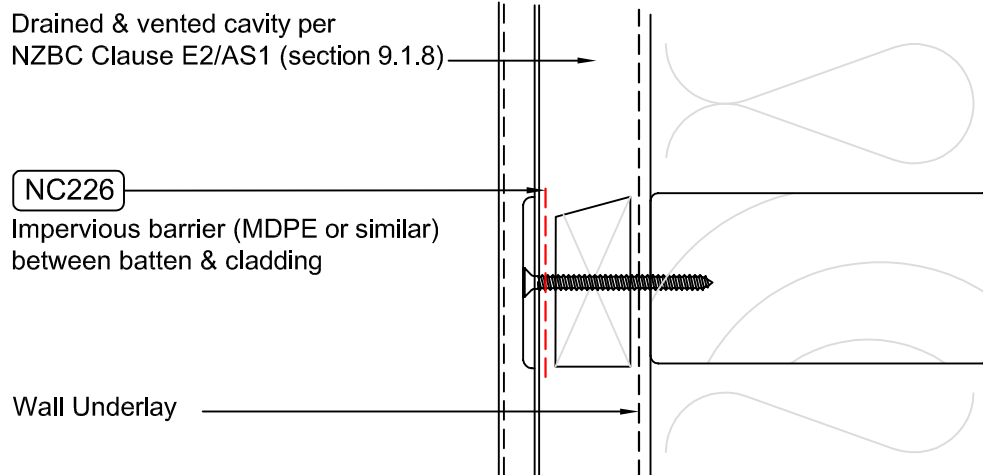
## NW-V003C - Vertical Cladding over Drained & Vented Cavity Base Channel & Fixing

Scale 1:2



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

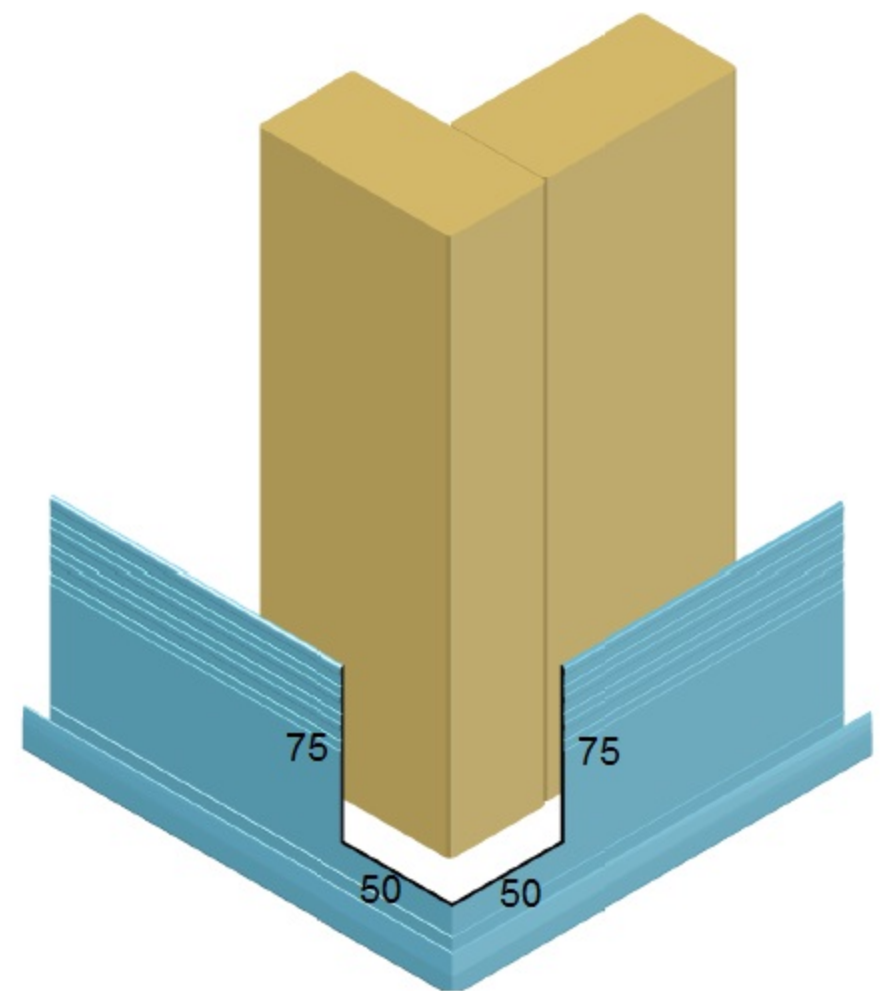
Scale 1:2



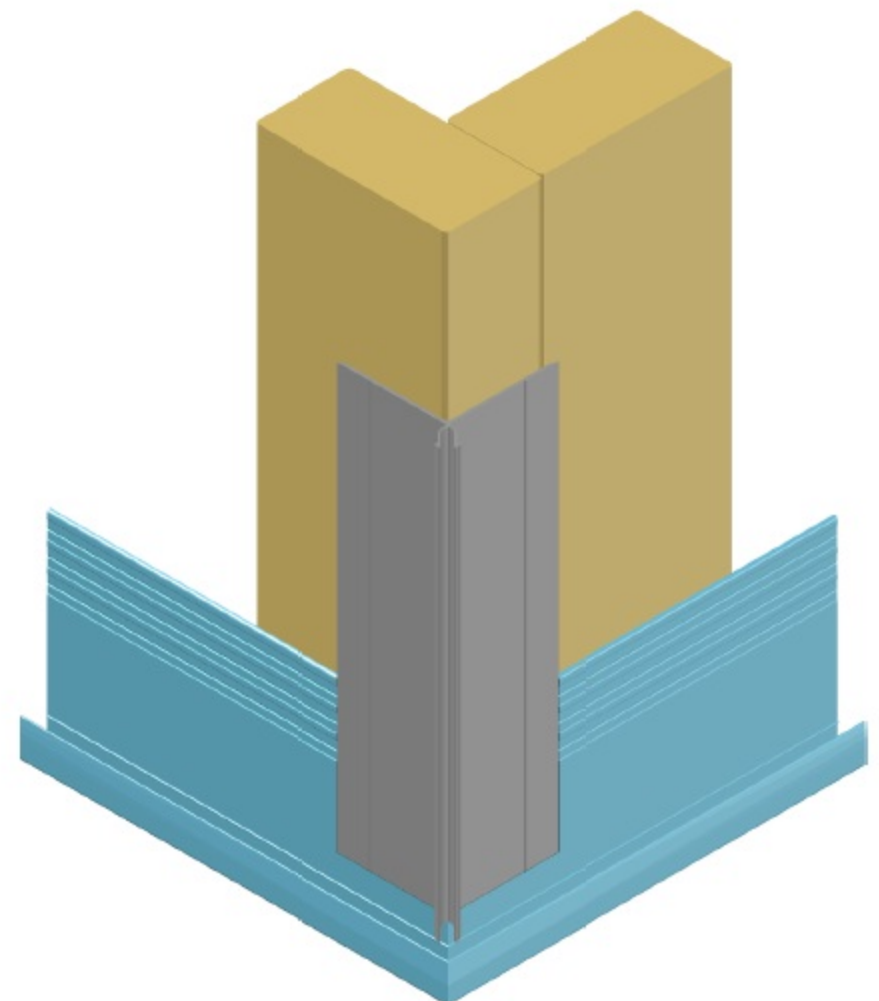
NW-V005C - Vertical Cladding over Drained & Vented Cavity Starter; Waterproof Deck

Scale 1:2

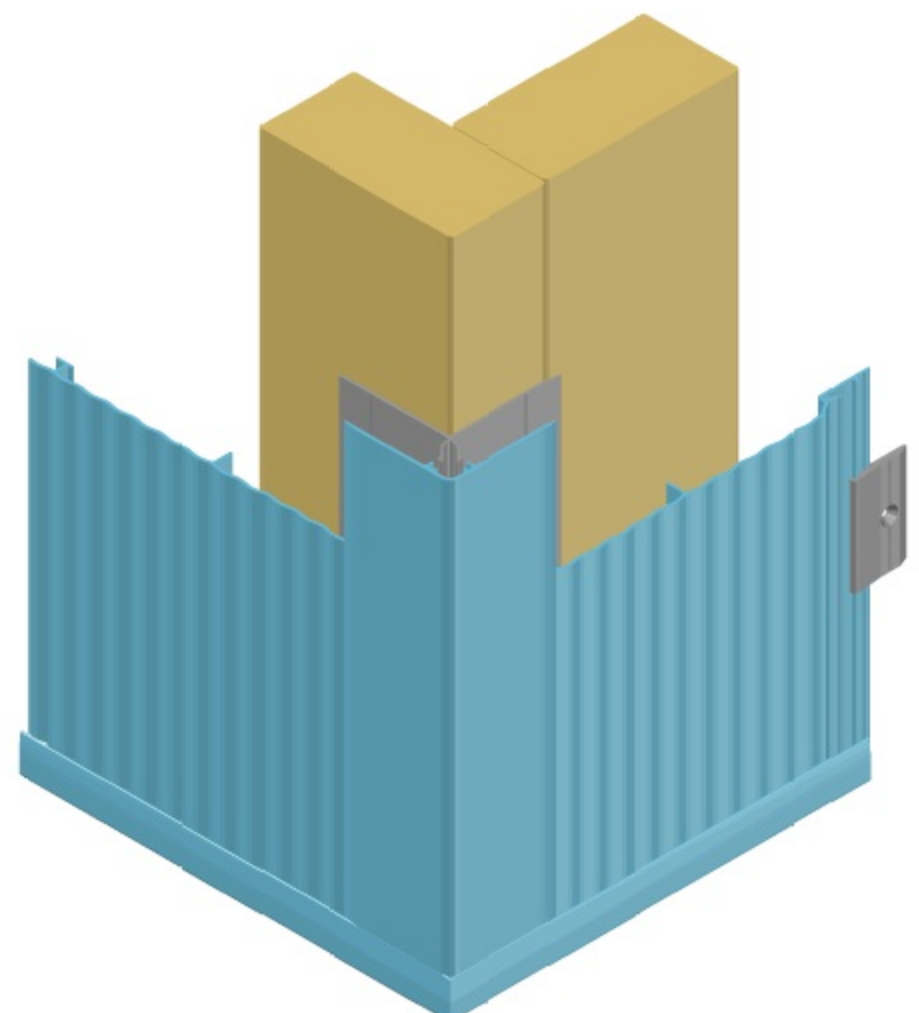
1. Cut ends of NC134 at 45 degrees. Check out rear upstand on both ends; 75mm high x 50mm wide. Fit NC134 to achieve mitred corner as shown.



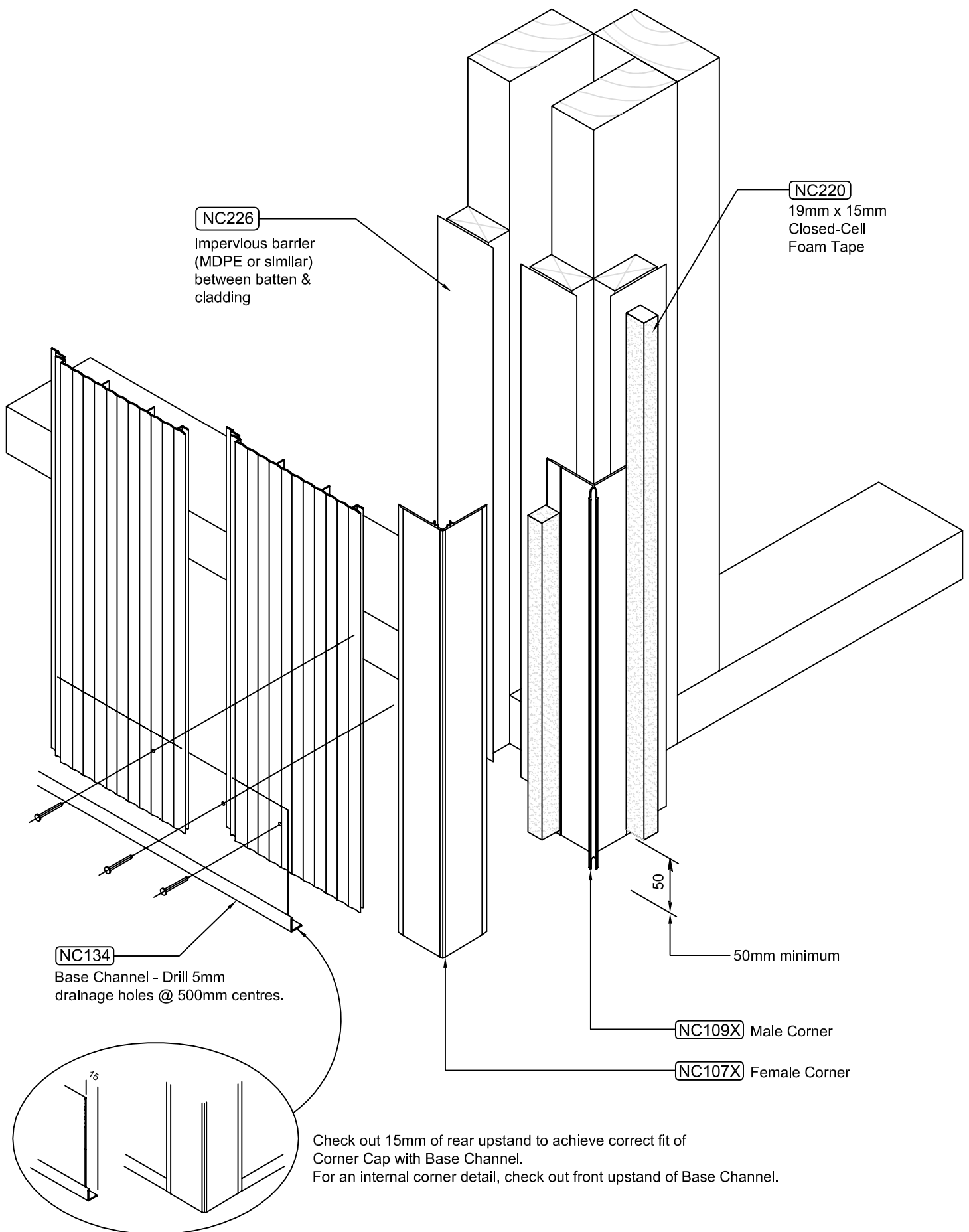
2. Fit NC109X into space created by checking out upstands. Ensure no overlapping occurs.



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

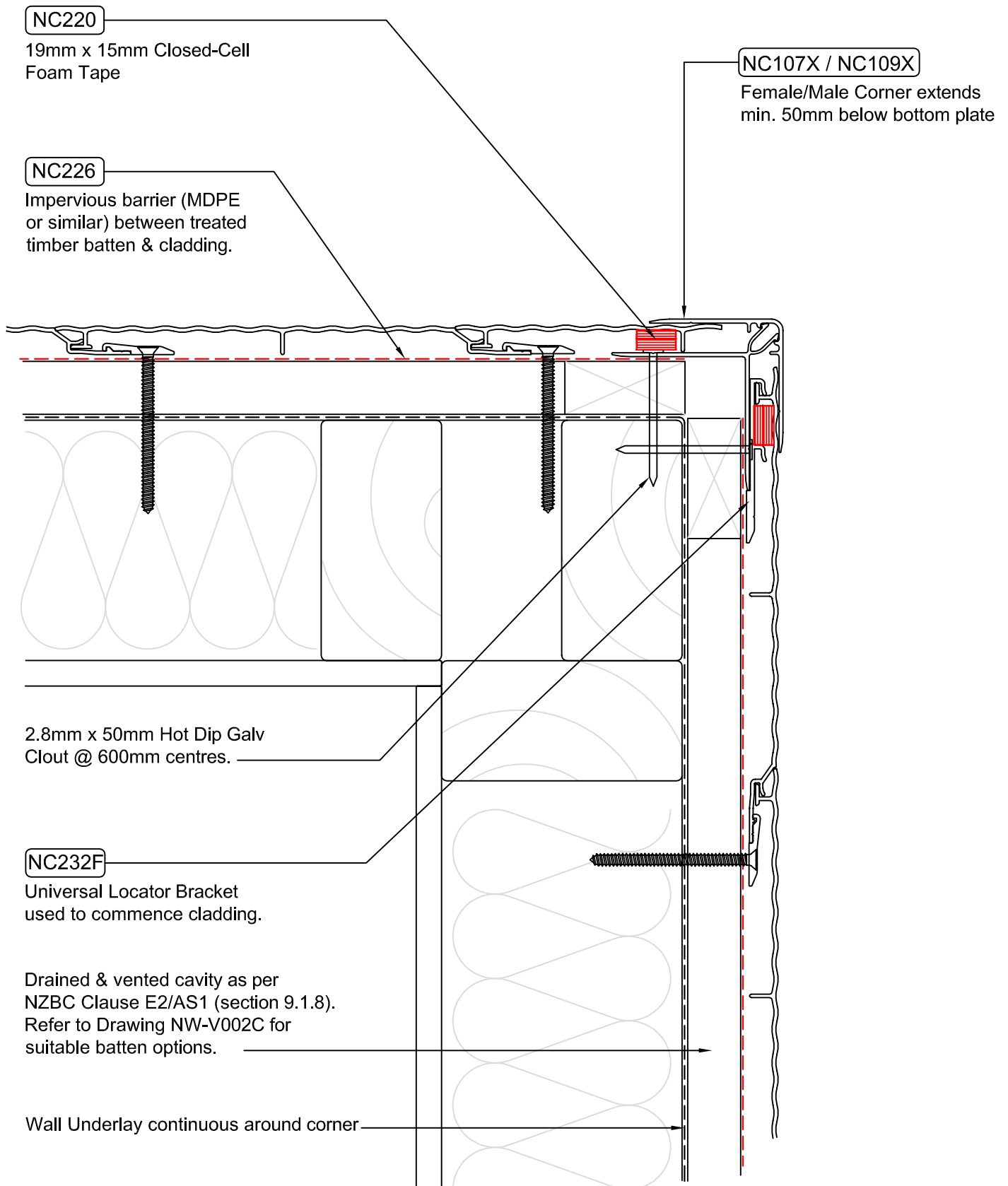






NW-V006C - Vertical Cladding over Drained & Vented Cavity Base Channel / Corner Isometric

Scale NTS



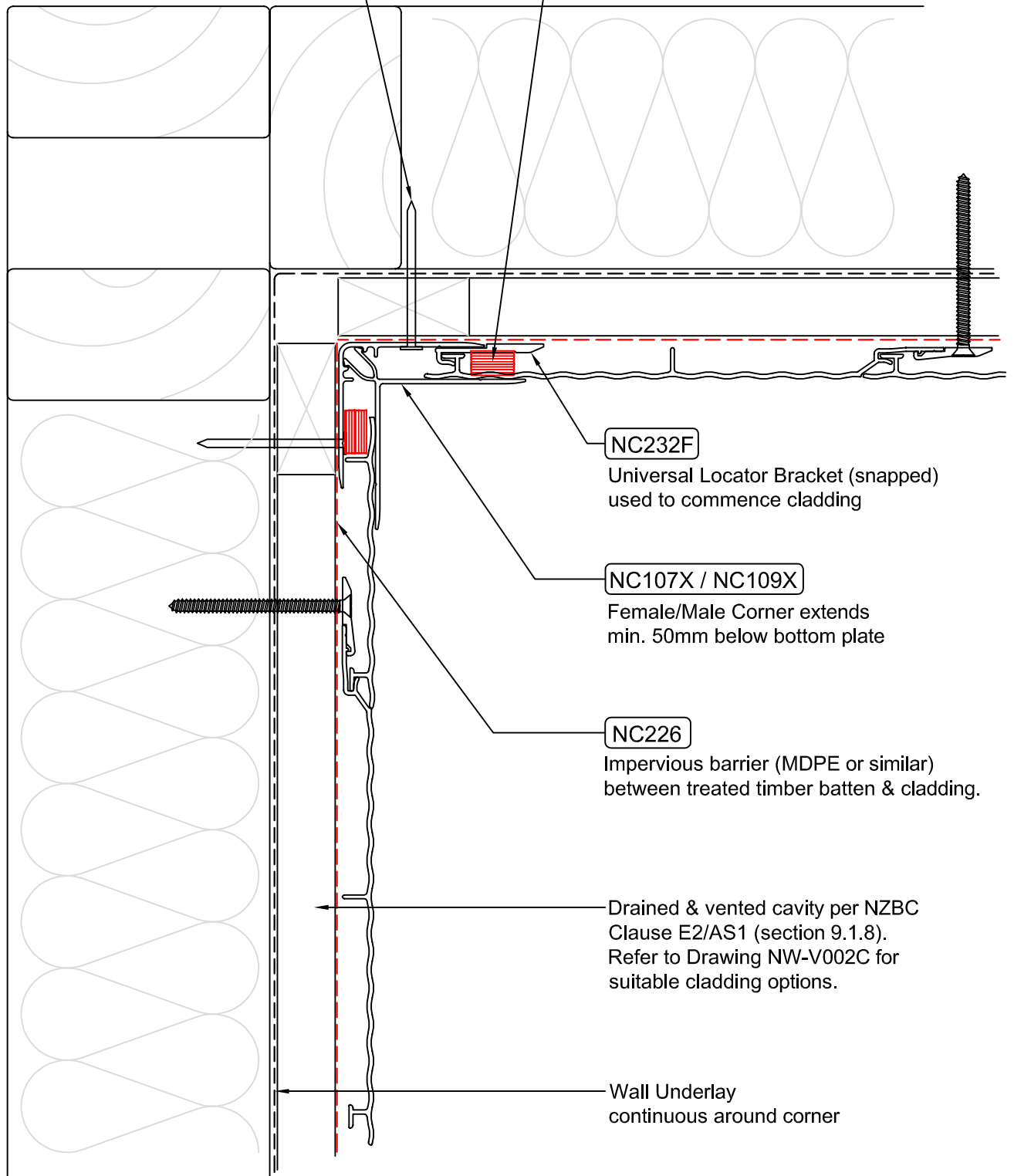
NW-V007C - Vertical Cladding over Drained & Vented Cavity - External 90° Corner

Scale 1:2

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

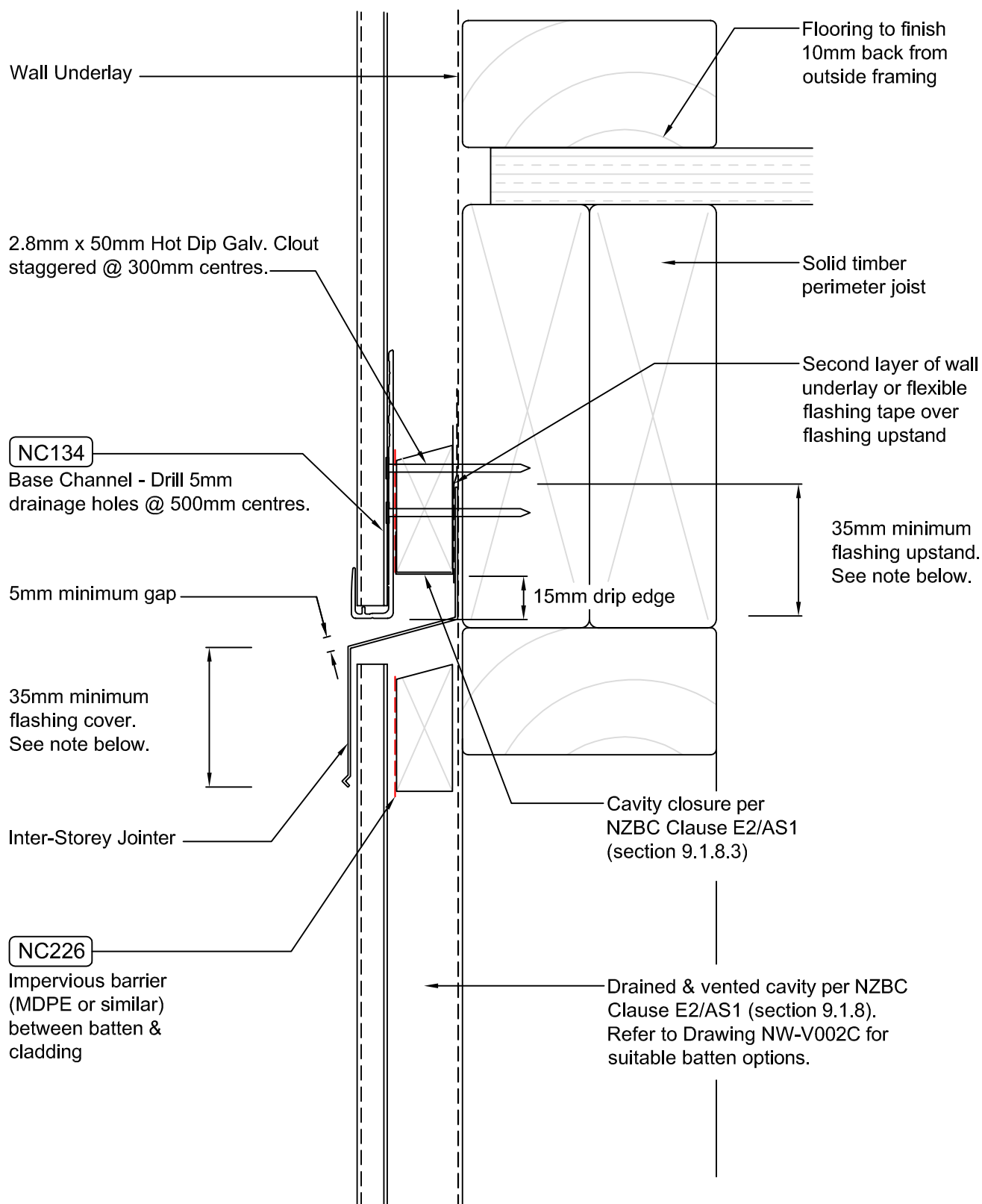
NC220

19mm x 15mm Closed-Cell  
Foam Tape



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

Scale 1:2

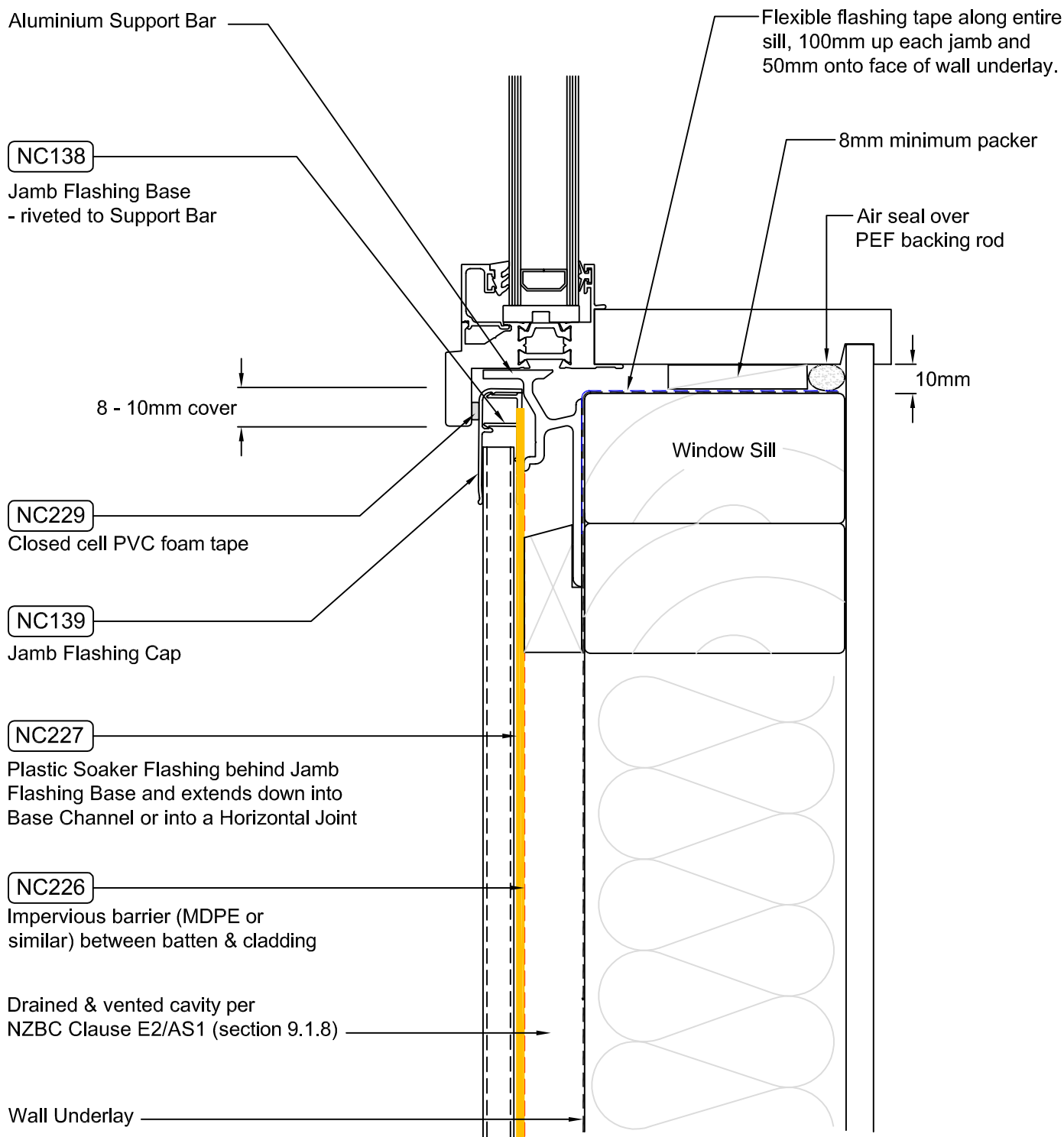


**NOTE:**

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**

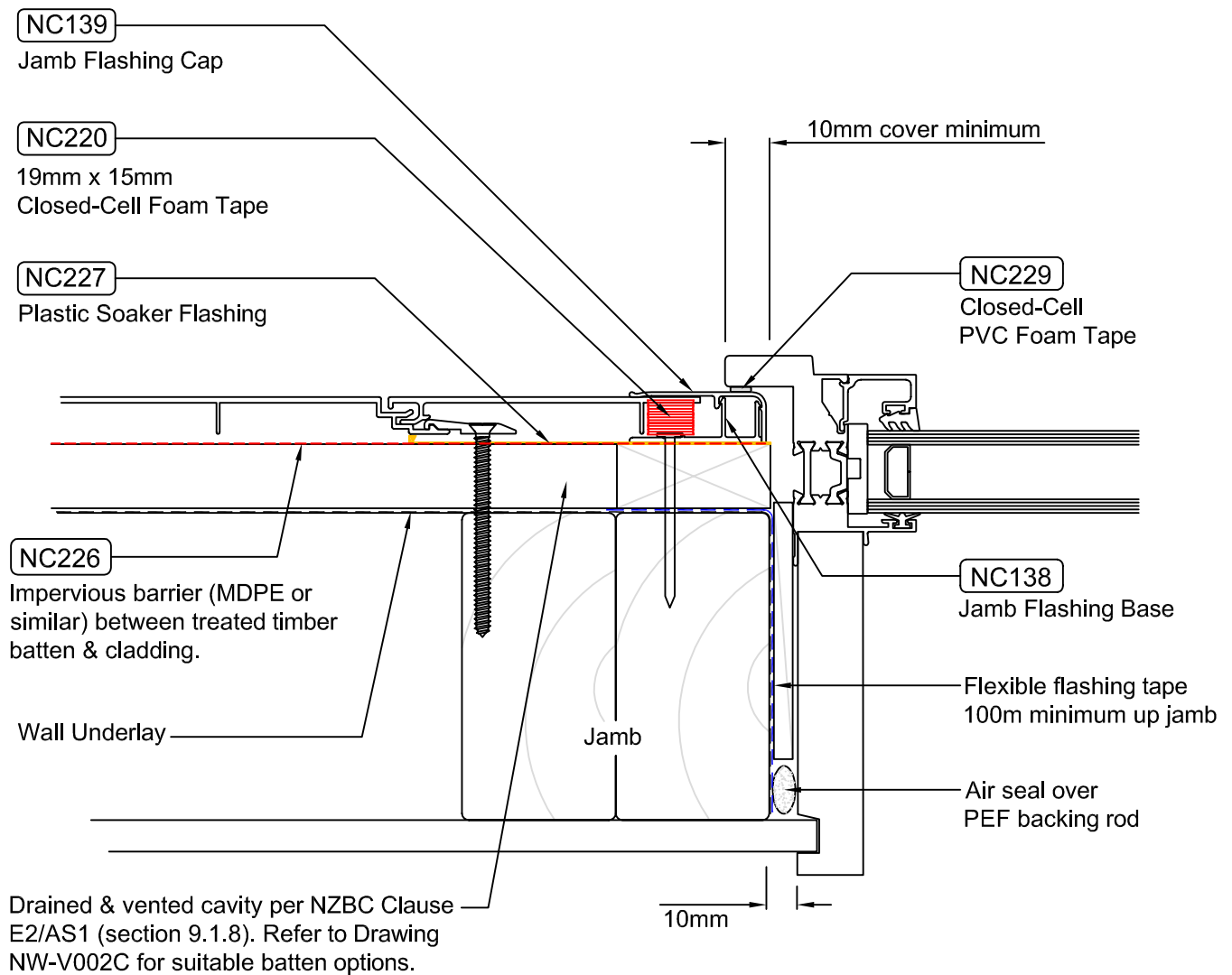
Scale 1:2



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

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

Scale 1:2



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

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

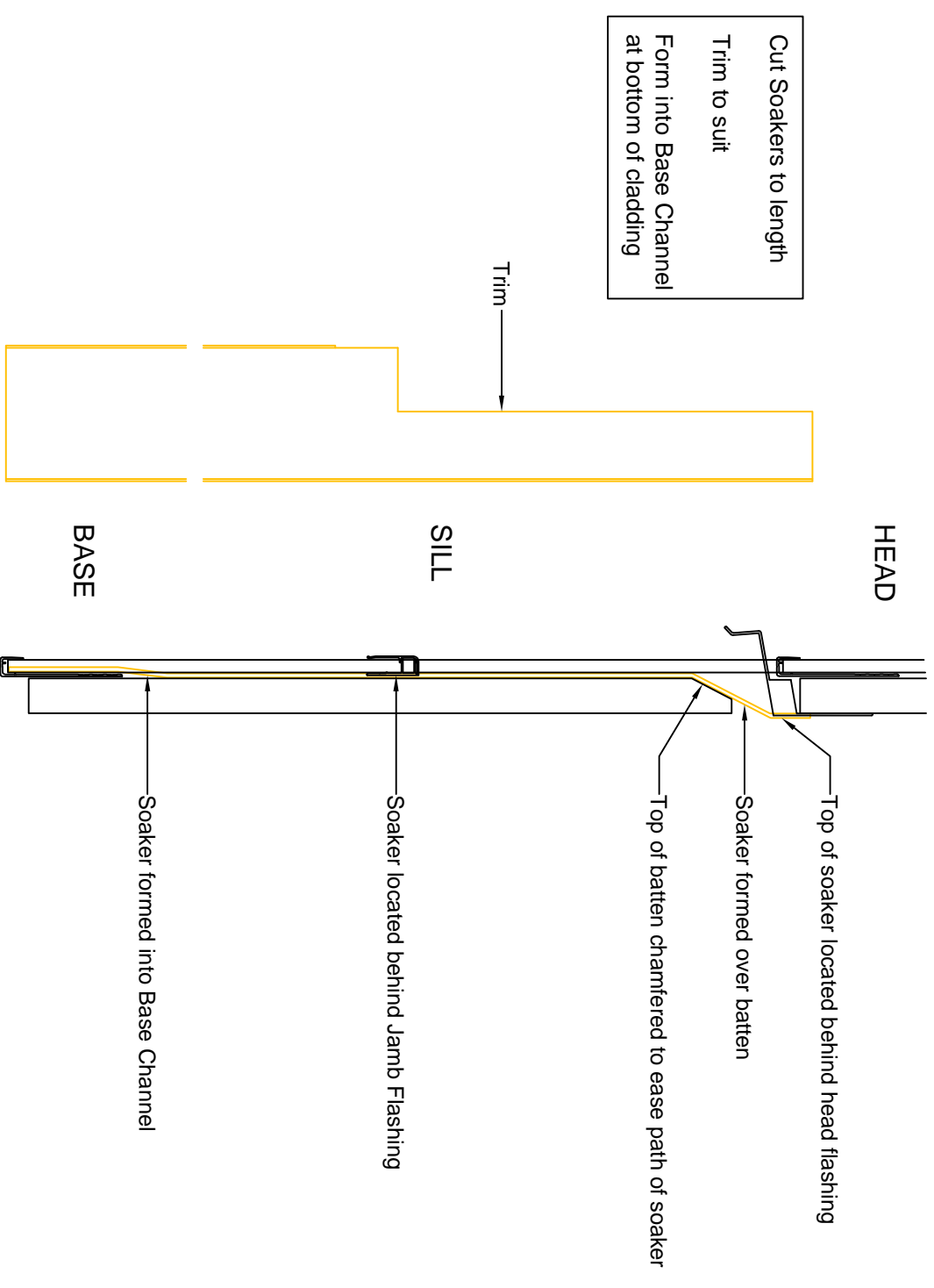
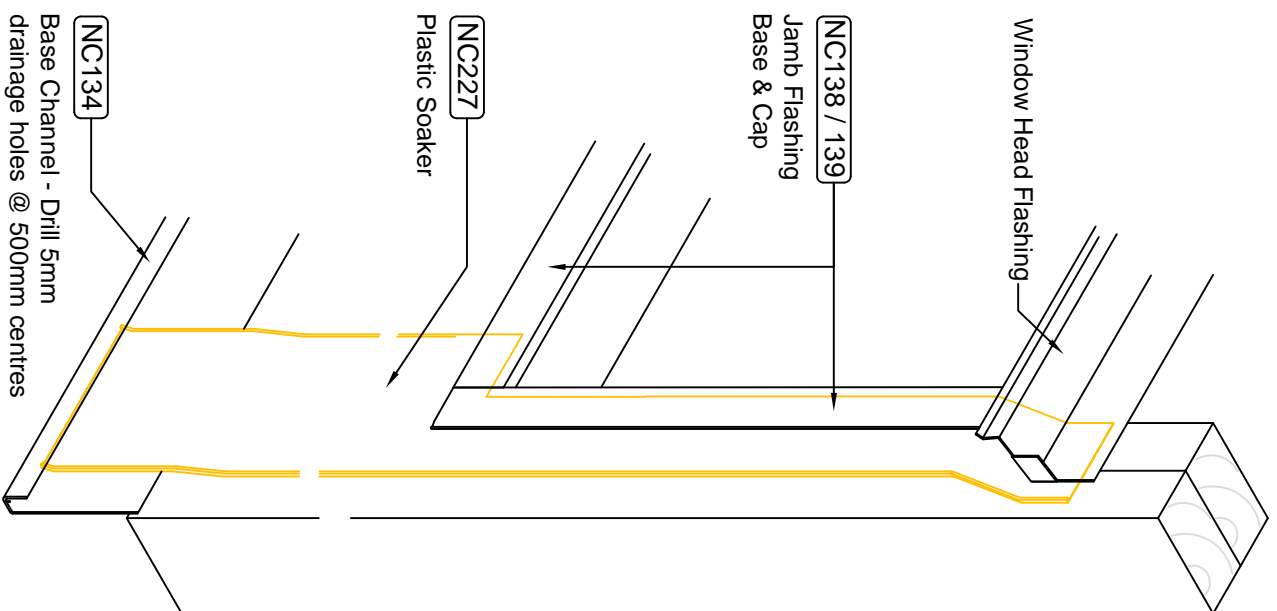
Flexible flashing tape  
at corners

#### 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

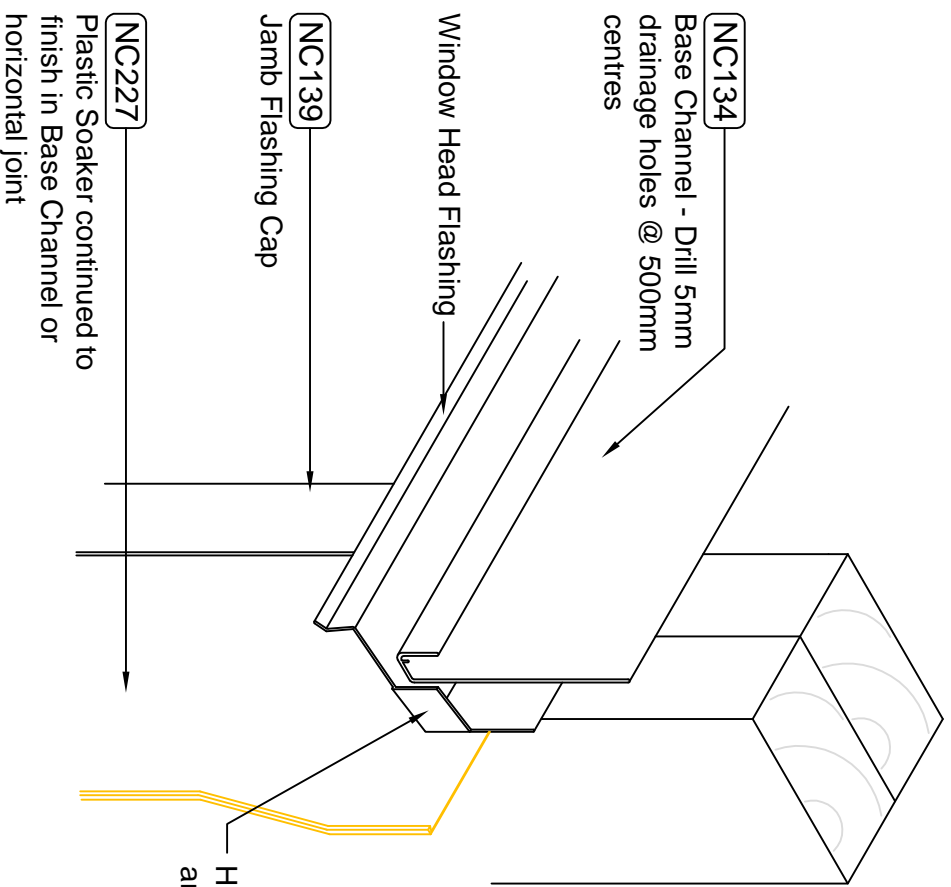


## NW-V013C - Vertical Cladding over Drained & Vented Cavity - Window Head & Sill Soaker Details

Scale NTS

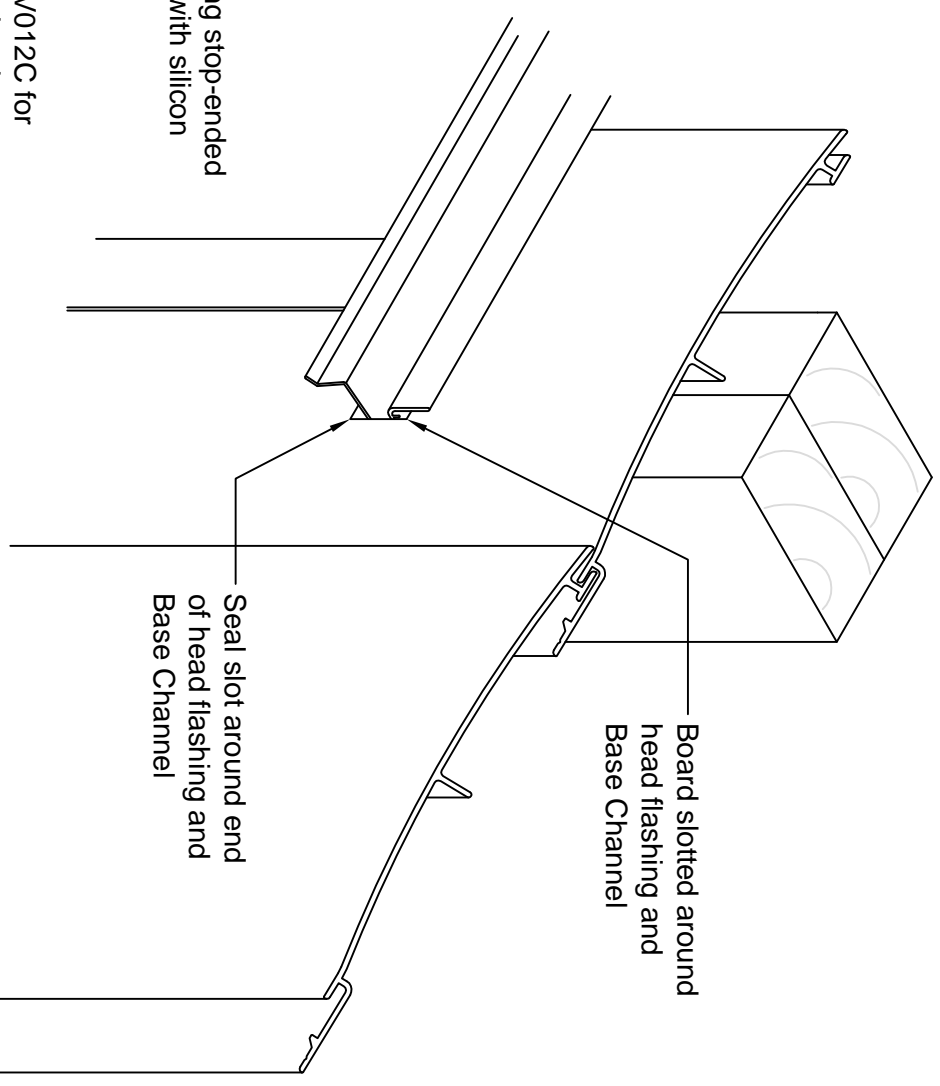


Junction prior to cladding around window head

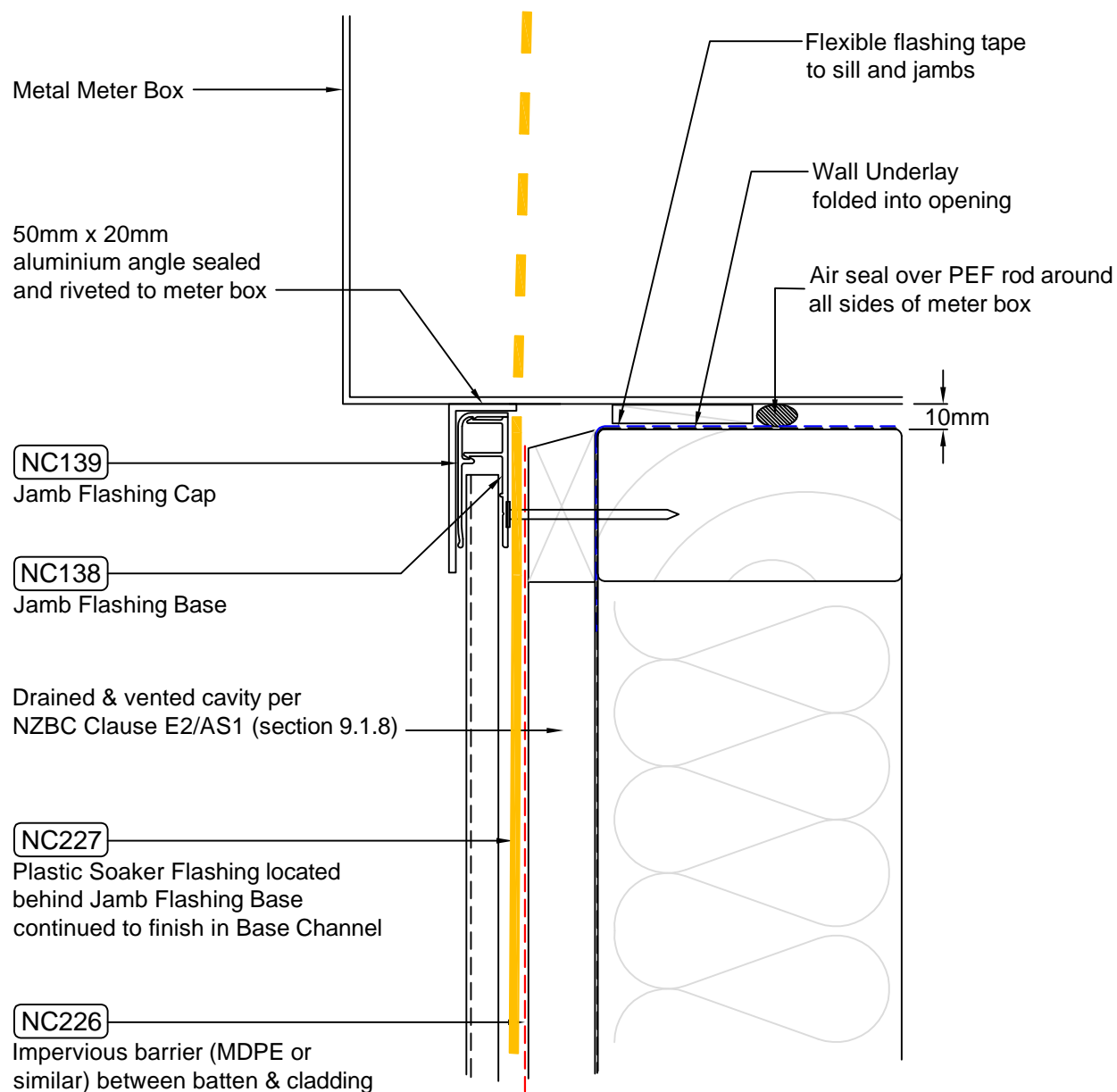


Ref NW-V012C for sectional drawing

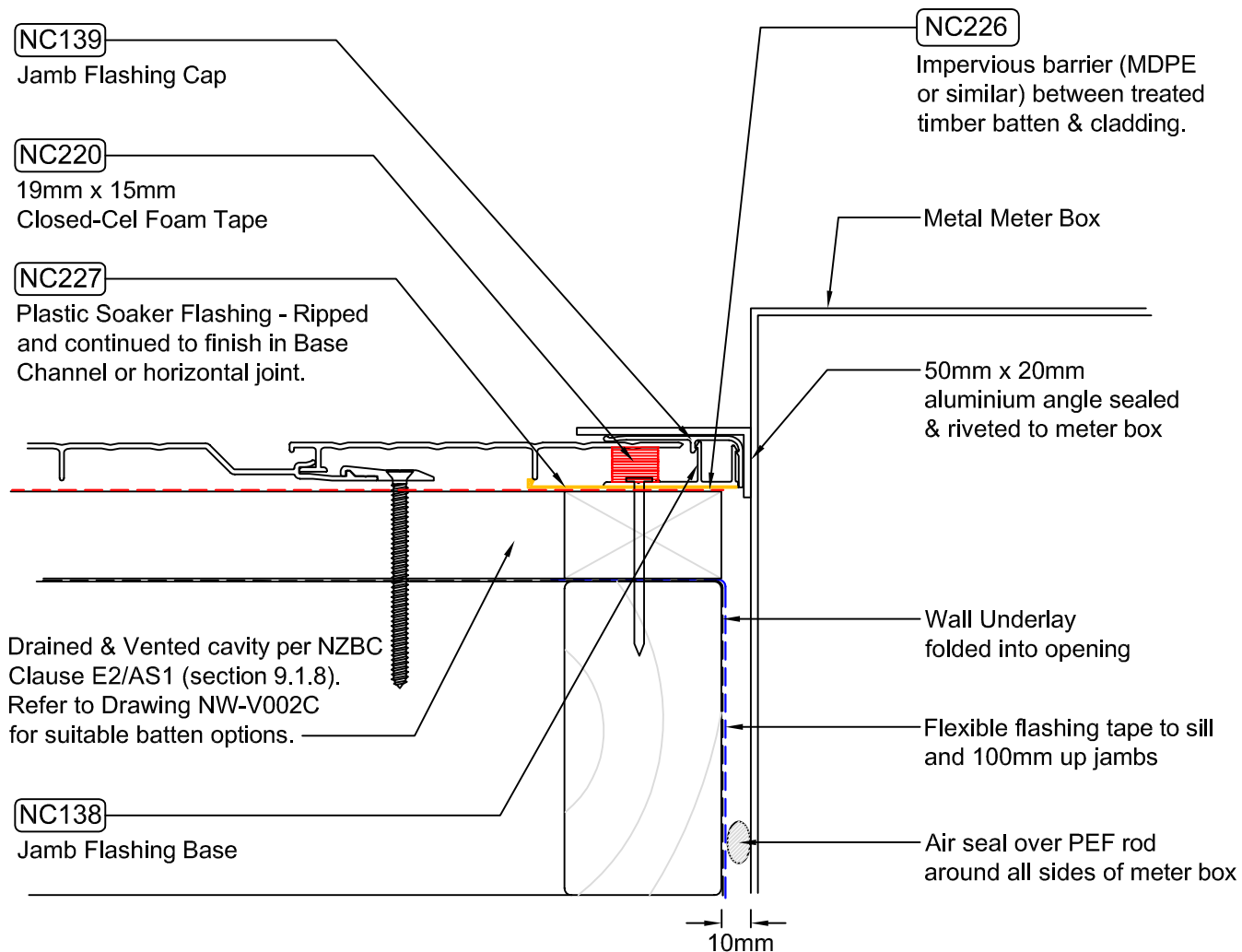
Junction after cladding around window head



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

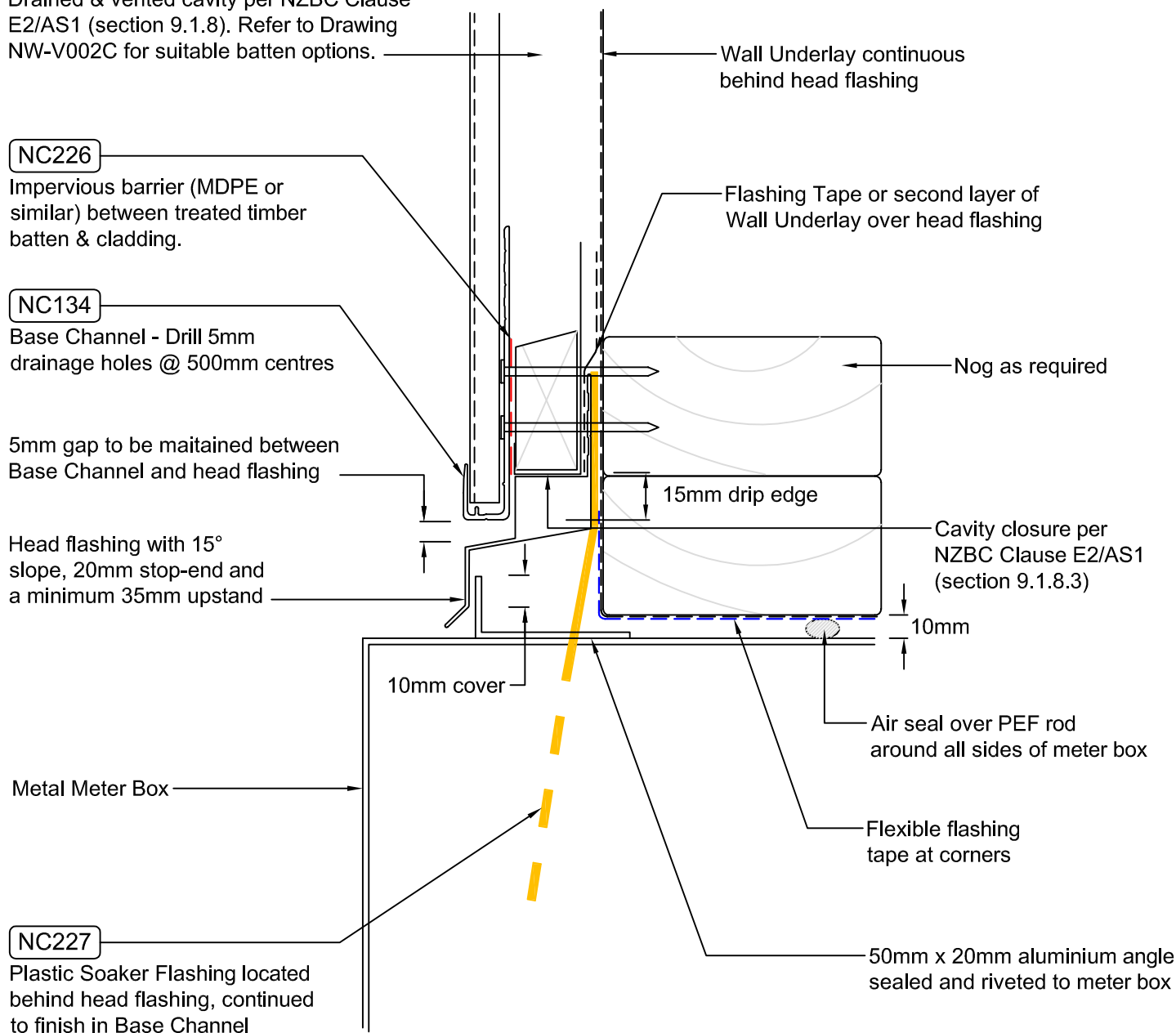


NW-V015C - Vertical Cladding over Drained & Vented Cavity - Meter Box Sill Detail  
Scale 1:2

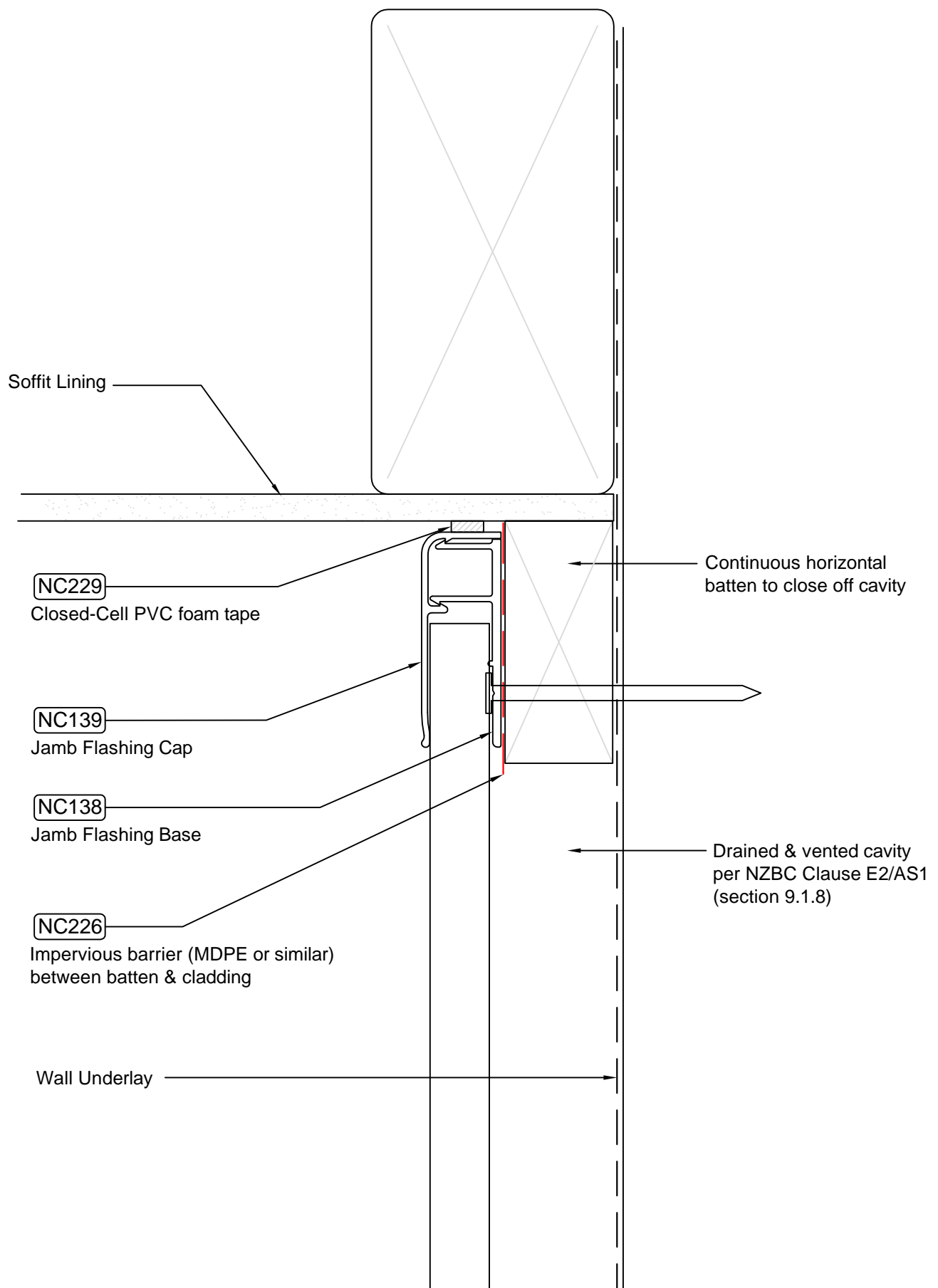


NW-V016C - Vertical Cladding over Drained & Vented Cavity - Meter Box Jamb Detail  
Scale 1:2

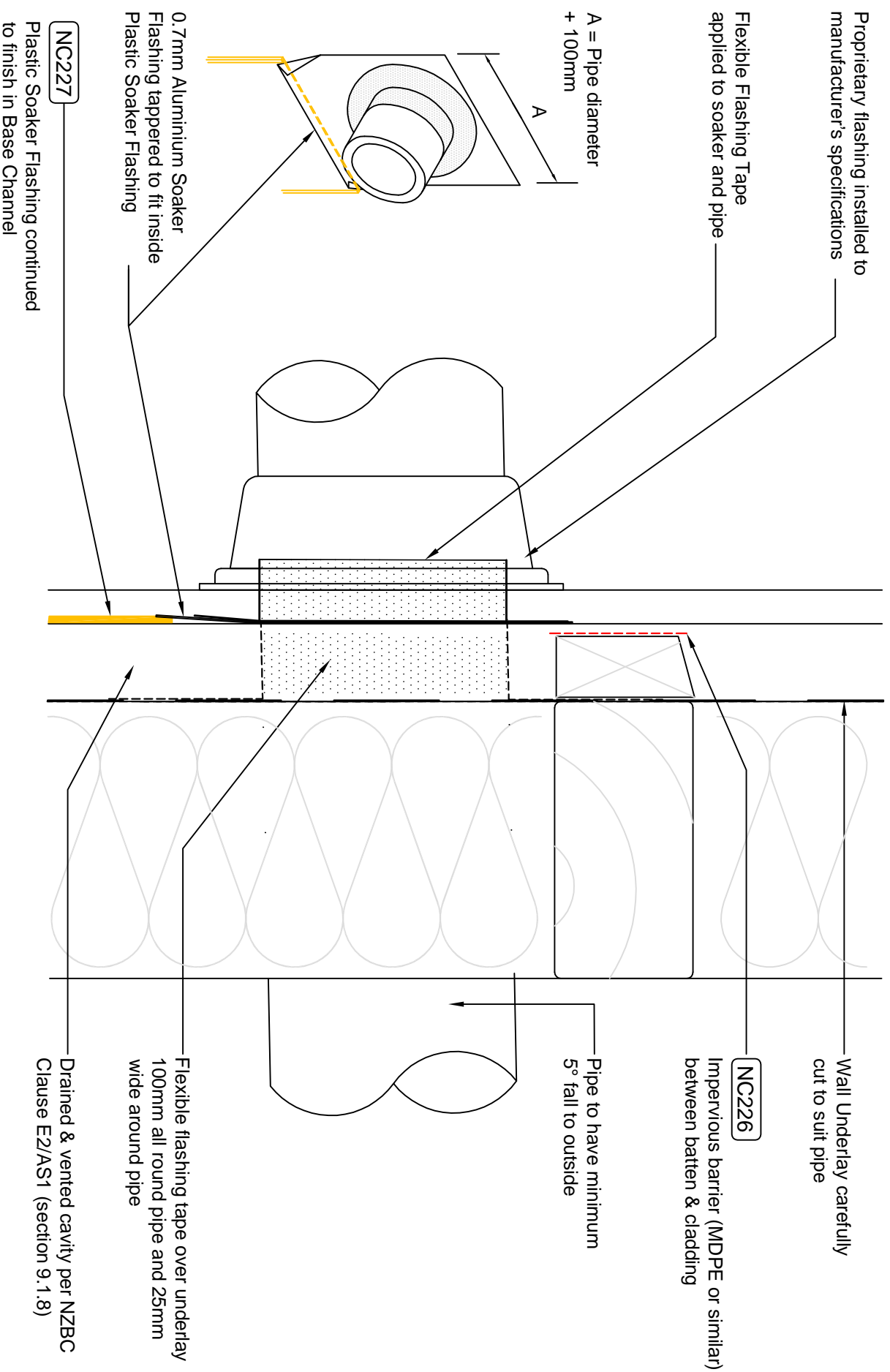
Drained & vented cavity per NZBC Clause E2/AS1 (section 9.1.8). Refer to Drawing NW-V002C for suitable batten options.

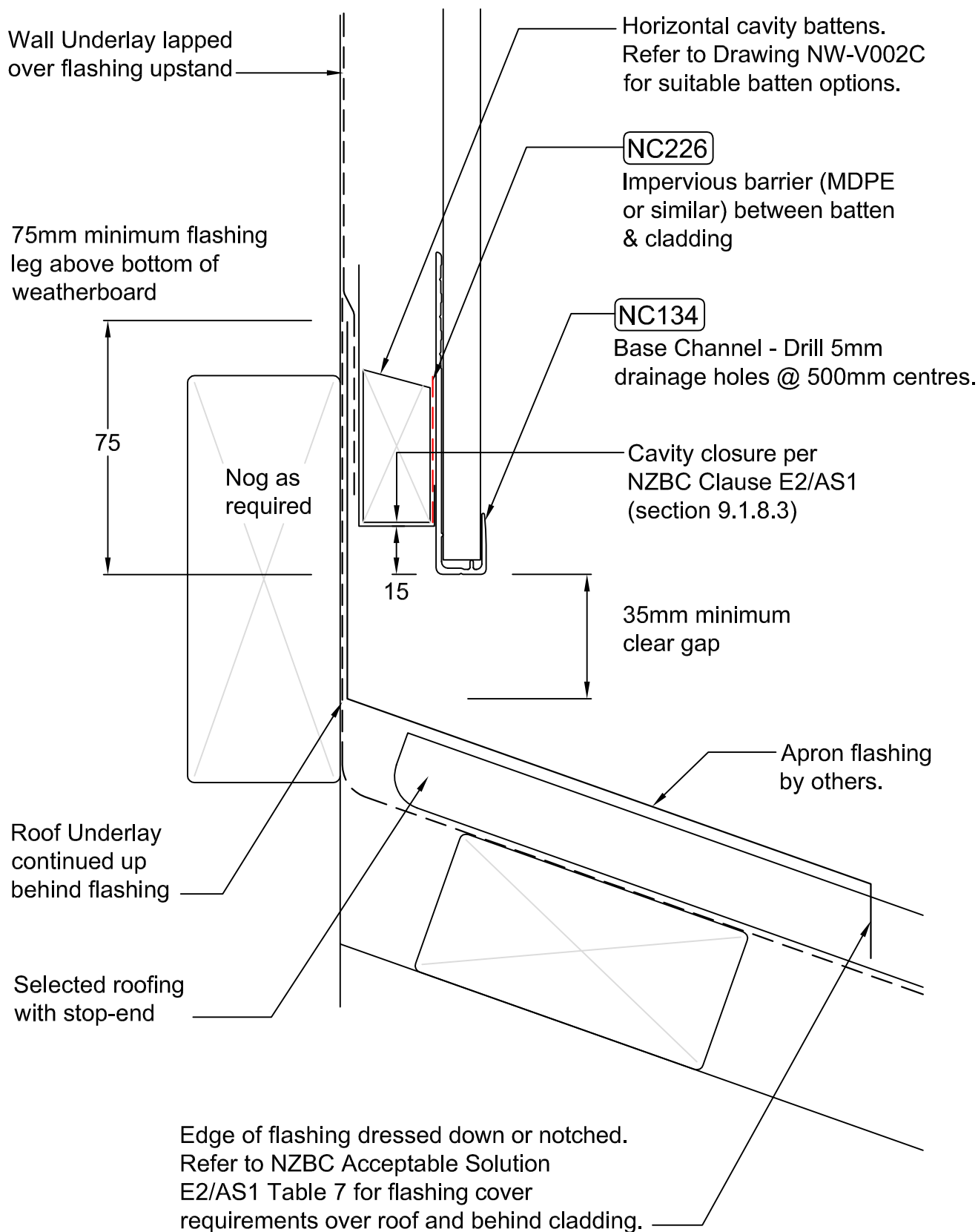


NW-V017C - Vertical Cladding over Drained & Vented Cavity - Meter Box Head Detail  
Scale 1:2

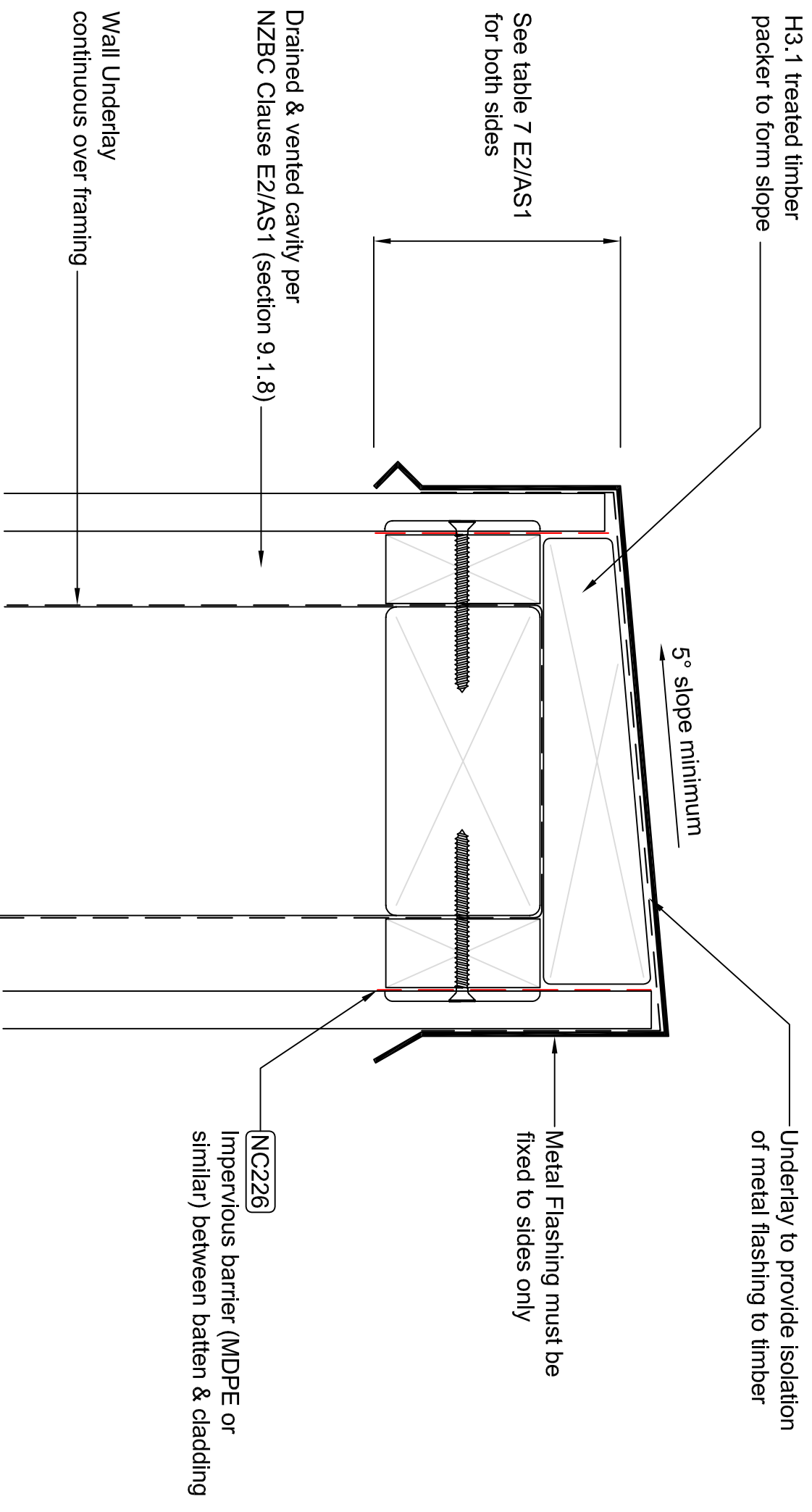


NW-V018C - Vertical Cladding over Drained & Vented Cavity - Soffit Trim  
Scale 1:1



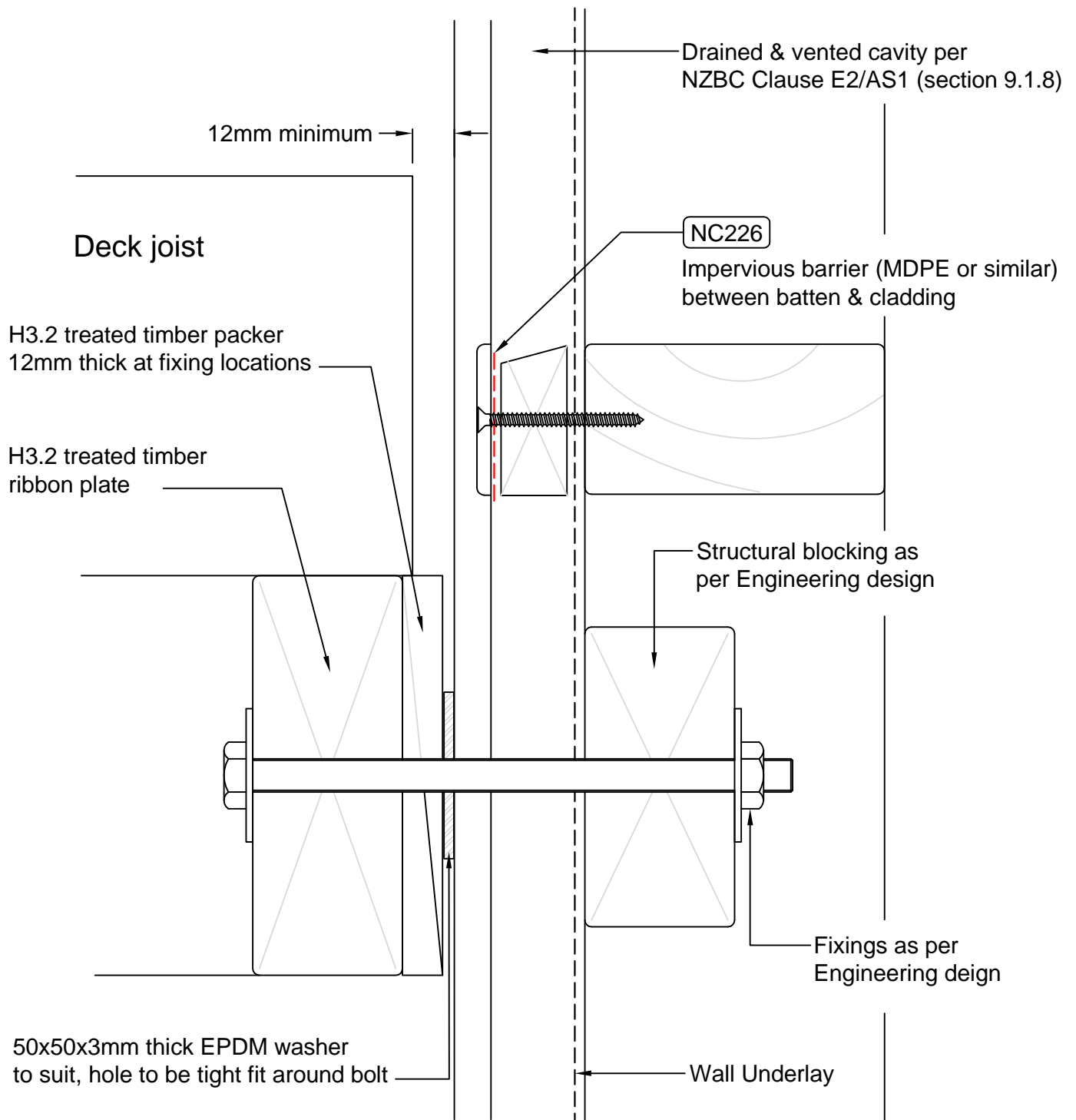


NW-V020C - Vertical Cladding over Drained & Vented Cavity - Roof / Wall Junction  
Scale NTS



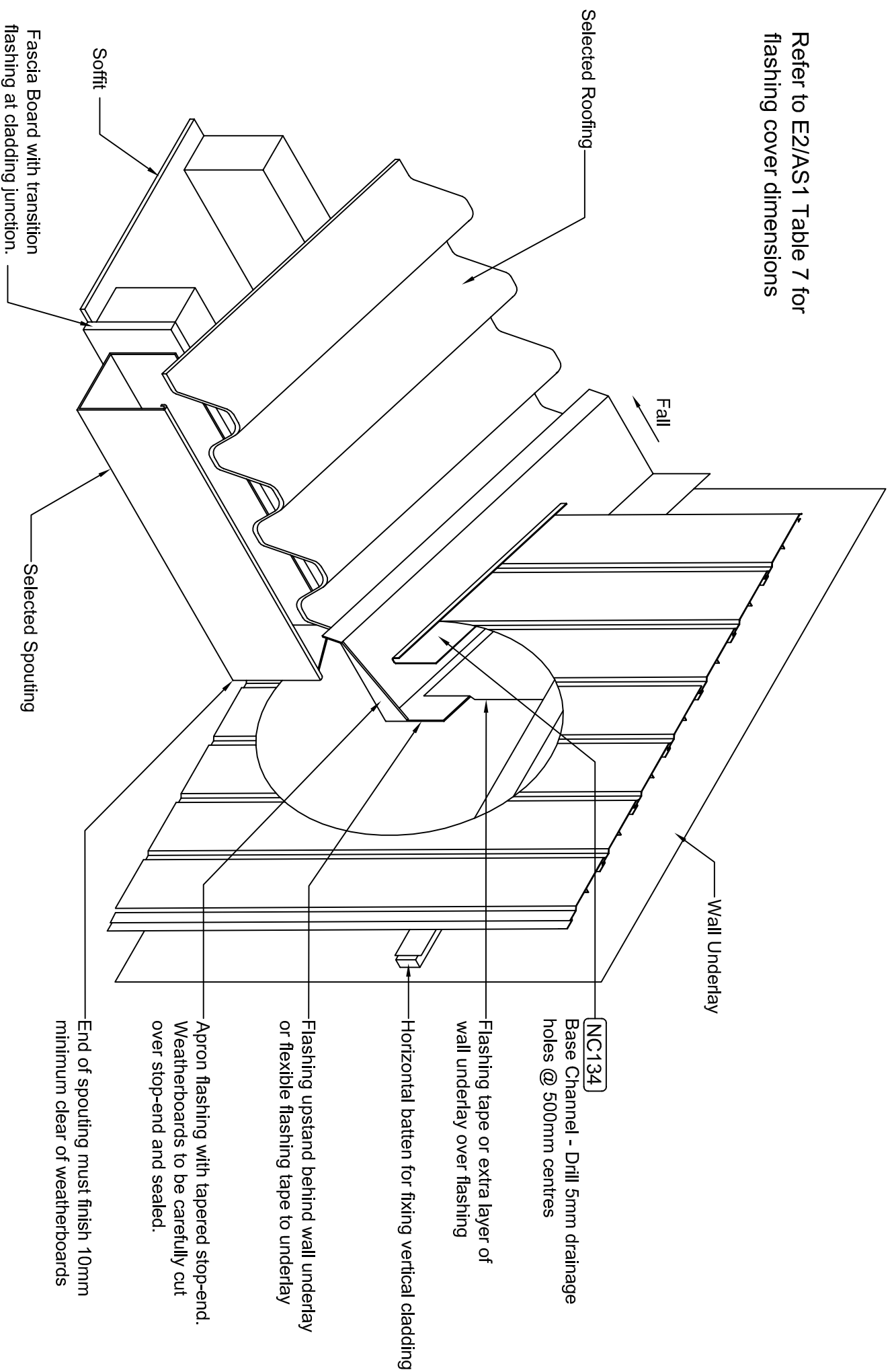
NW-V021C - Vertical Cladding over Drained & Vented Cavity - Parapet Flashing  
Scale NTS





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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