



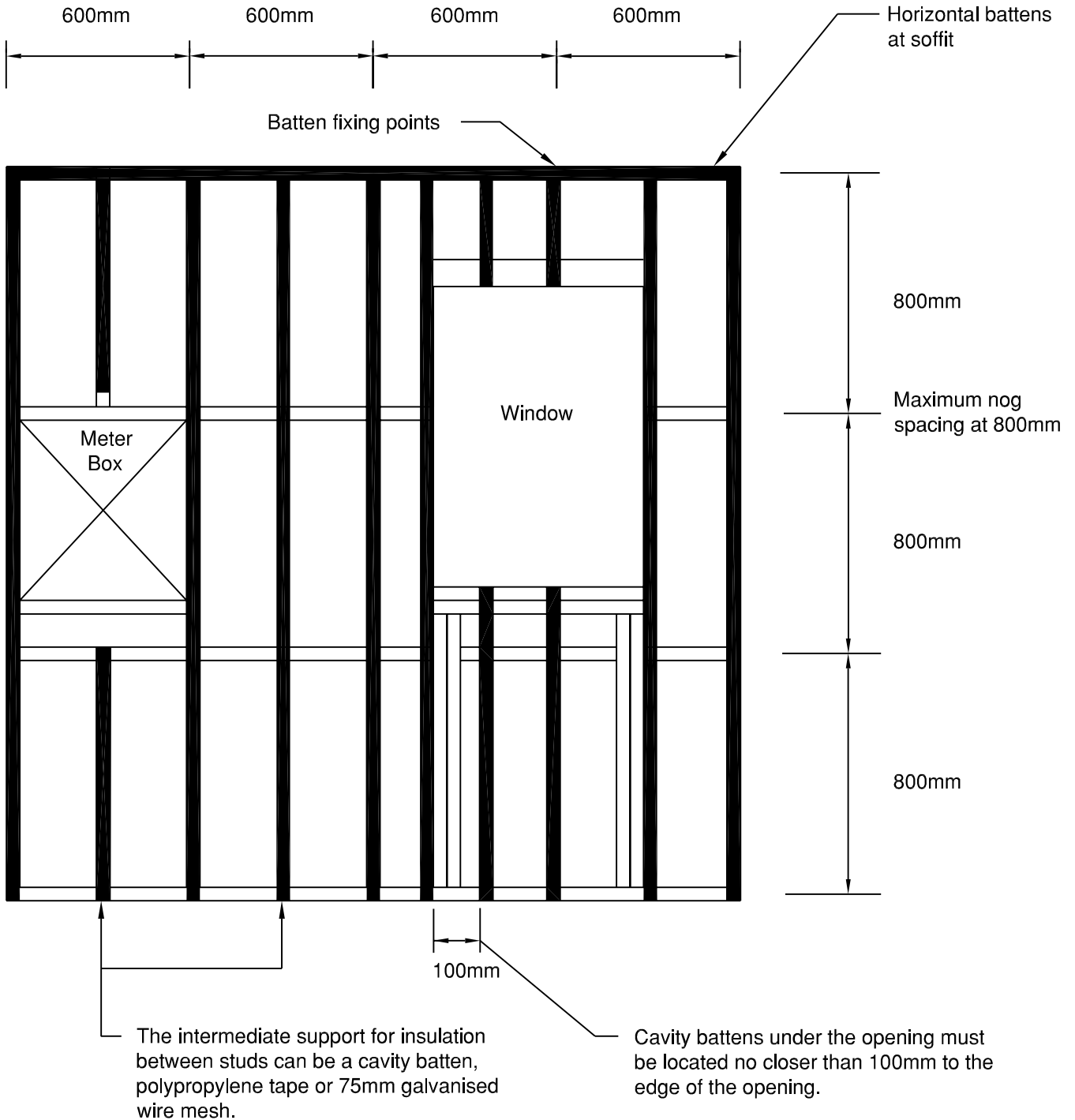
NU-WALL EXTRUDED ALUMINIUM CLADDING

Installation Specifications – Horizontal orientation (over cavity)

1. **NW-H001C; Cavity batten layout**
2. **NW-H002C; Battening options**
3. **NW-H003C; Starter strip & fixing detail**
4. **NW-H004C; Starter strip over timber floor**
5. **NW-H005C; Starter strip over waterproof deck**
6. **NW-S002; Horizontal cladding set-out to joinery head**
7. **NW-S003; Starter strip mitred corner detail**
8. **NW-S004; Base channel mitred corner detail**
9. **NW-H006C; Starter strip / external 90° corner isometric**
10. **NW-H007C; External 90° corner**
11. **NW-H008C; Internal 90° corner**
12. **NW-H009C; Vertical joint**
13. **NW-H010C; Window sill section**
14. **NW-H011C; Window jamb section**
15. **NW-H012C; Window head section (coinciding with full board)**
16. **NW-H013C; Window head section (notched board)**
17. **NW-H014C; Window head & sill soaker flashing detailing**
18. **NW-H015C; Window head flashing end detail (full board)**
19. **NW-H016C; Window head flashing end detail (notched board)**
20. **NW-H017C; Meter box sill section**
21. **NW-H018C; Meter box jamb section**
22. **NW-H019C; Meter box head section**
23. **NW-H020C; Inter-storey horizontal drainage joint**
24. **NW-H021C; Soffit trim section**
25. **NW-H022C; Pipe penetration**
26. **NW-H023C; Roof / wall junction**
27. **NW-H024C; Parapet flashing**
28. **NW-H025C; Deck junction**
29. **NW-H026C; Gutter / wall junction**

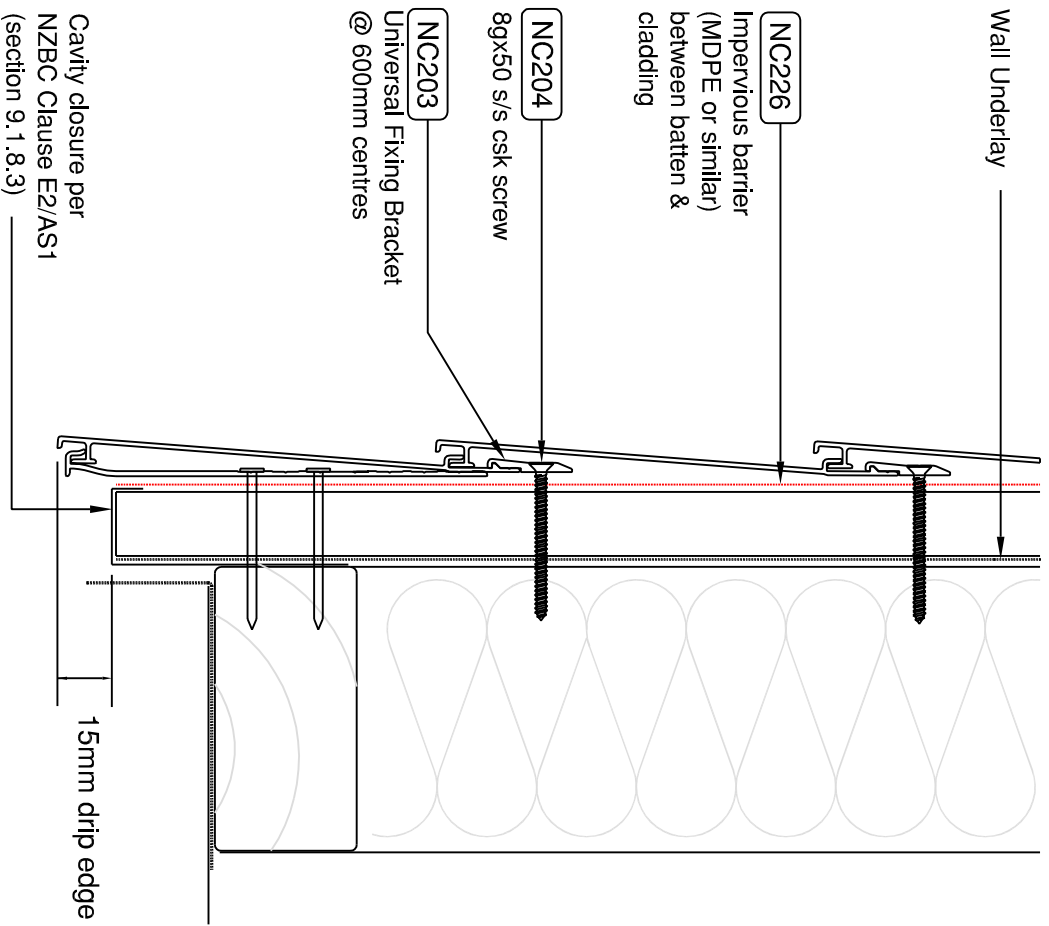


Cavity battens at 600mm centres

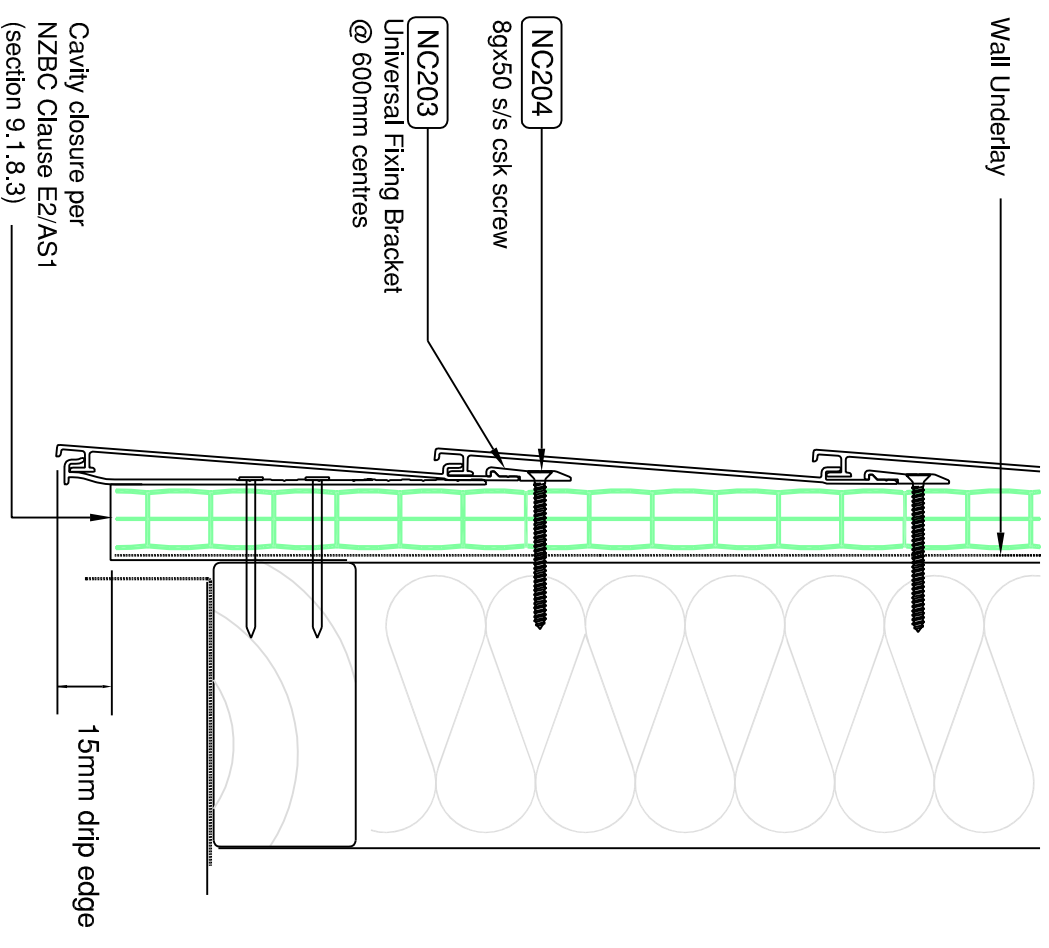


NW-H001C - Horizontal Cladding over Drained & Vented Cavity Batten Layout
Scale NTS

1. USING TREATED TIMBER BATTEN



2. USING CAVIBAT PLASTIC BATTEN



NW-H002C - Horizontal Cladding over Drained & Vented Cavity Battening Options
Scale NTS

NOTE:

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

Wall Underlay

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

NC204
8gx50 s/s csk screw

NC203
Universal Fixing Bracket @ 600mm centres

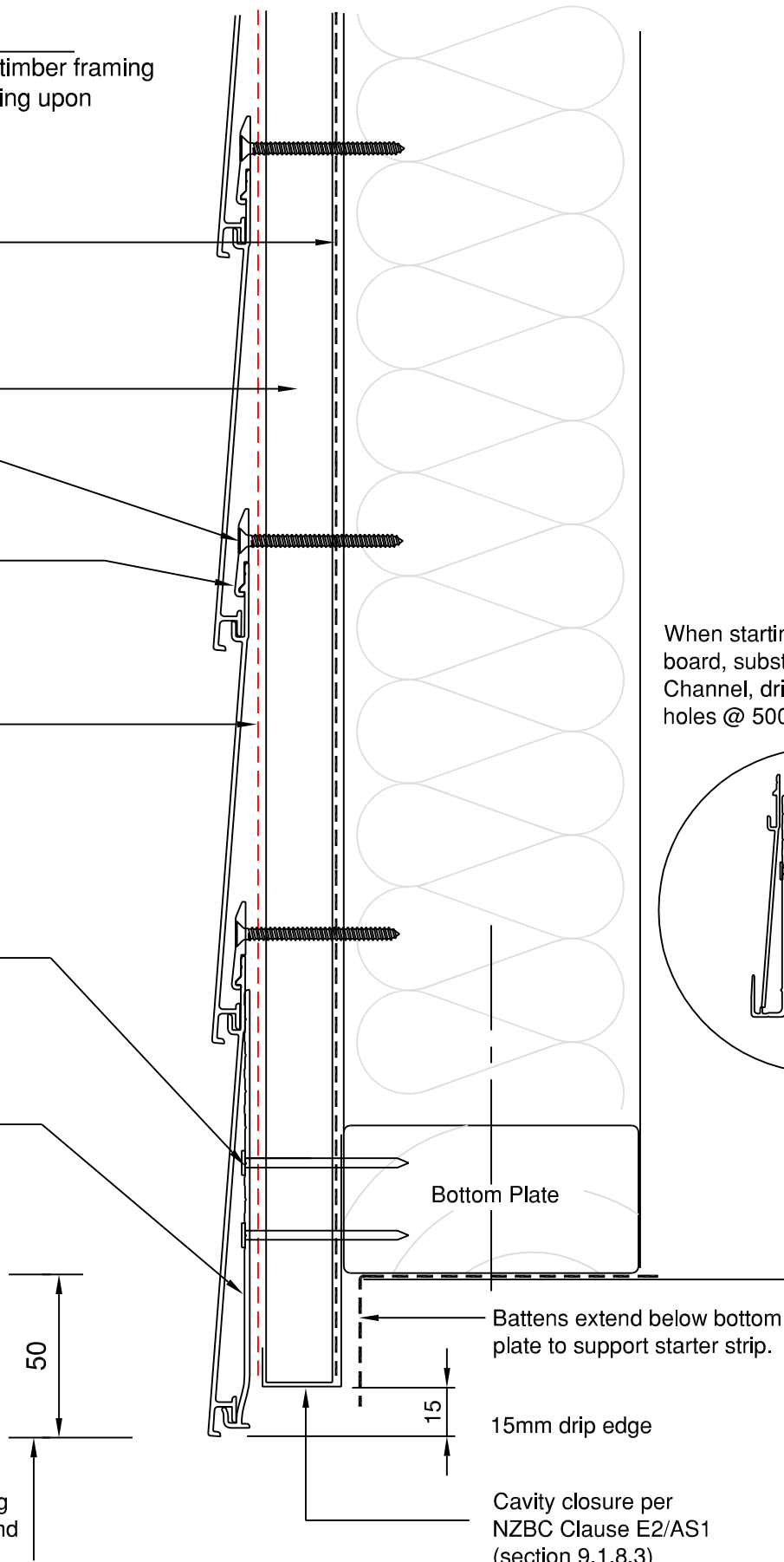
NC226
Impervious barrier (MDPE or similar) between batten & cladding

2.8mm x 50mm Hot Dip Galv. Clout x 2 @ 600mm centres

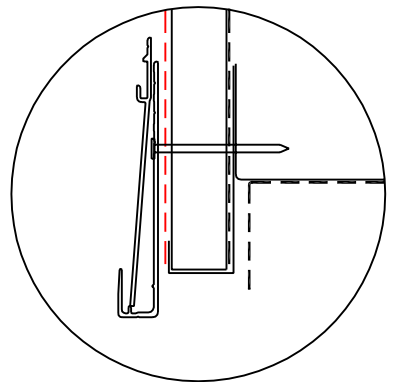
NC101
Starter Strip.

50mm Min. Variable up to 105mm to facilitate alignment with window sill/head

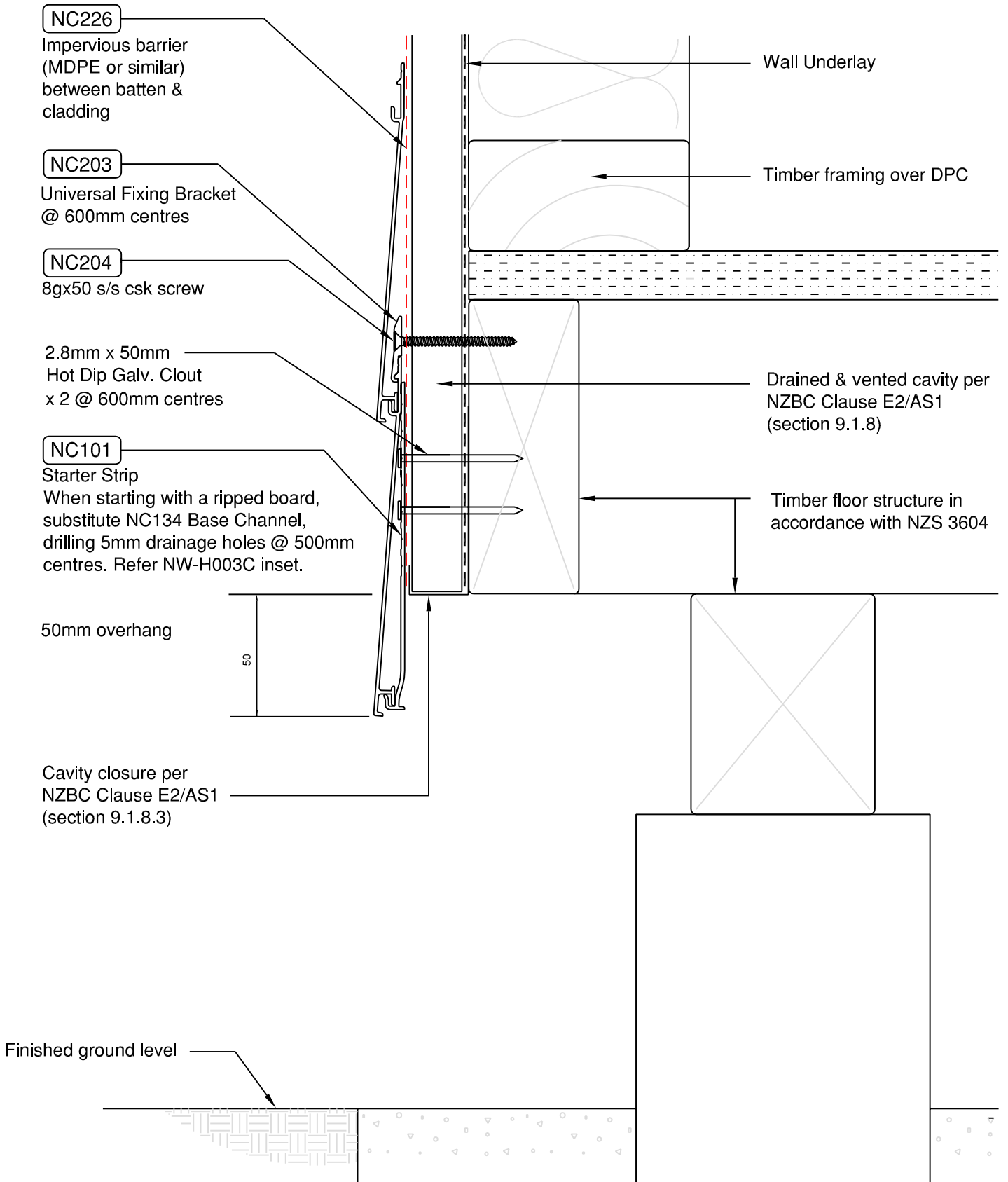
100mm to permanent paving or 175mm to unpaved ground



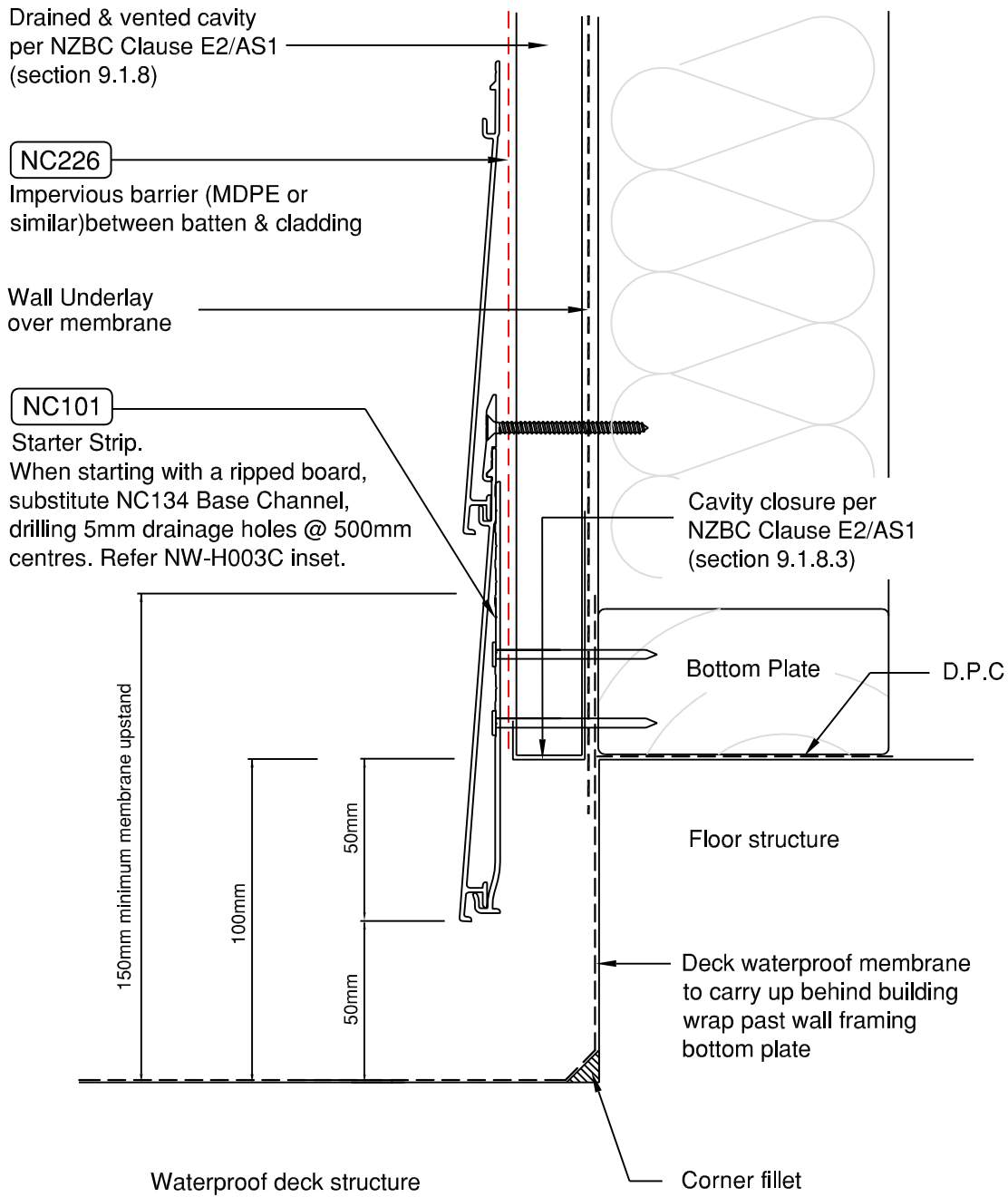
When starting with a ripped board, substitute NC134 Base Channel, drilling 5mm drainage holes @ 500mm centres.



NW-H003C - Horizontal Cladding over Drained & Vented Cavity Starter Strip & Fixing Scale 1:2



NW-H004C - Horizontal Cladding over Drained & Vented Cavity Starter; Timber Floor
Scale NTS



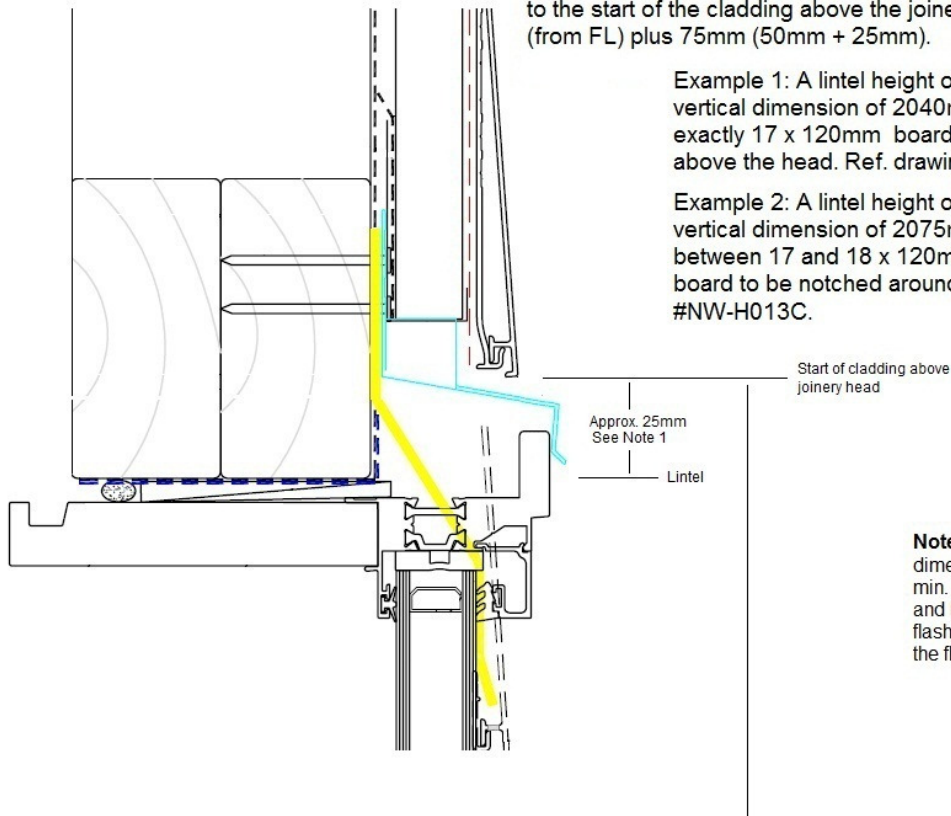
NW-H005C - Horizontal Cladding over Drained & Vented Cavity Starter; Waterproof Deck Scale NTS

Cladding installation is facilitated if a full board is able to be installed above the joinery heads. To achieve this the joinery head height needs to be compatible with the modular size of the specified profile (e.g. Louvre120 = 120mm).

As shown in the drawing, the overall dimension from the bottom of the cladding to the start of the cladding above the joinery head would be the lintel height (from FL) plus 75mm (50mm + 25mm).

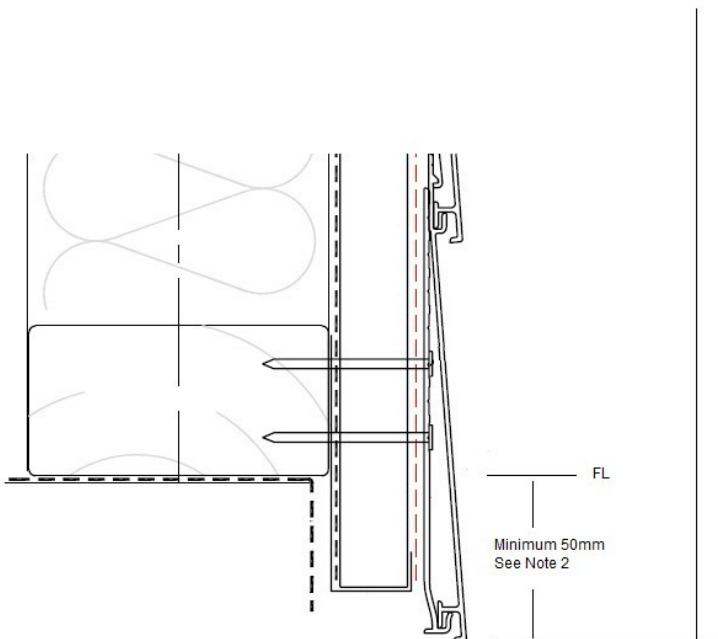
Example 1: A lintel height of 1965mm would dictate an overall vertical dimension of 2040mm (1965mm + 75mm), equating to exactly 17 x 120mm boards, thereby allowing use of a full board above the head. Ref. drawings #NW-H010, #NW-H012C.

Example 2: A lintel height of 2000mm would dictate an overall vertical dimension of 2075mm (2000mm + 75mm), equating to between 17 and 18 x 120mm boards and necessitating the 18th board to be notched around the head. Ref. drawings #NW-H011, #NW-H013C.



Note 1: The approximate indicated dimension of 25mm allows for the min. 5mm gap between cladding and head flashing, the slope of the flashing and the min. 10mm cover of the flashing over the window frame.

Setting this dimension to be a multiple of the board cover will permit use of a full board above the head

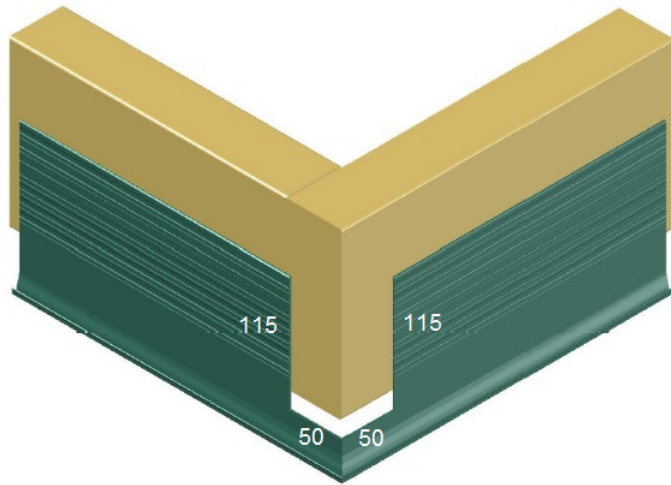


Note 2: The position of the NC101 Starter Strip can be set as much as 50mm lower to assist in achieving optimum set-out. Ensure that ground clearance is maintained.

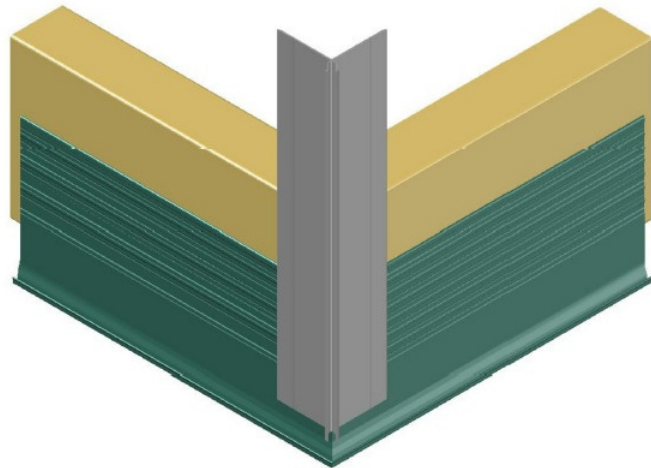
An alternative is to use the NC134 Base Channel at the bottom of the cladding; this enables a longitudinally ripped board to be used to start the cladding.

Note 3: Drawing depicts installation over cavity. Approach is similar for direct-fixed cladding.

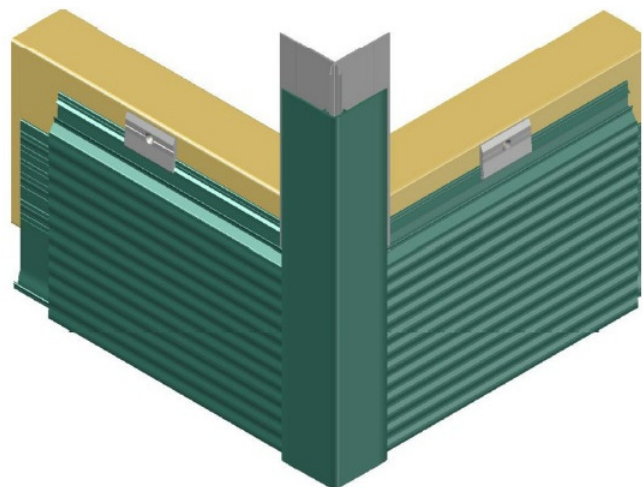
1. Cut ends of NC101 at 45 degrees. Check out upstand on both ends; 115mm high x 50mm wide. Fit NC101 to achieve mitred corner as shown.



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

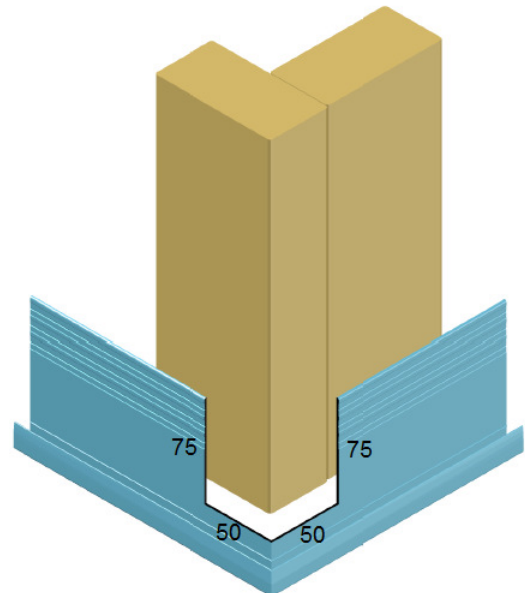


3. After cladding boards have been fitted, measure and cut NC107X to finish level with bottom of boards. Fit NC107X.

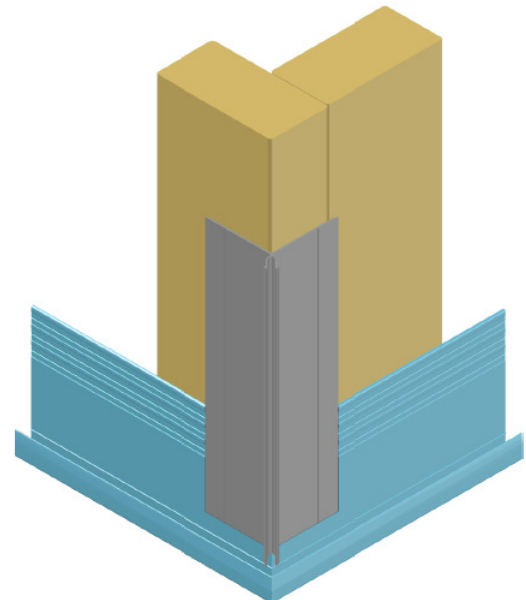


NW-S003 Starter strip mitred corner - to give improved aesthetic when visible from below

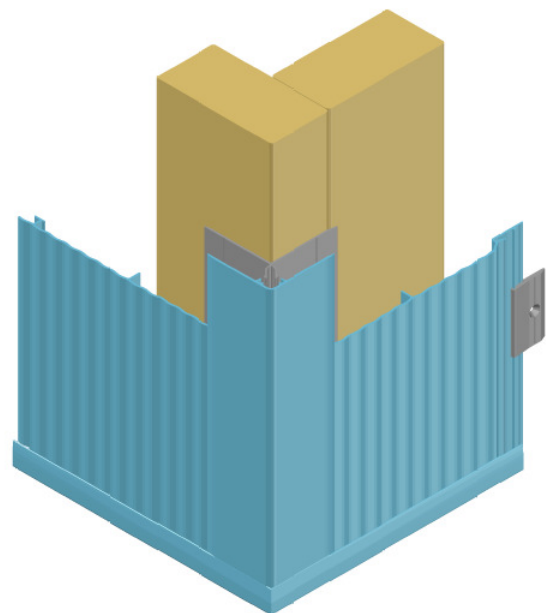
1. Cut ends of NC134 at 45 degrees. Check out rear upstand on both ends; 75mm high x 50mm wide. Fit NC134 to achieve mitred corner as shown.

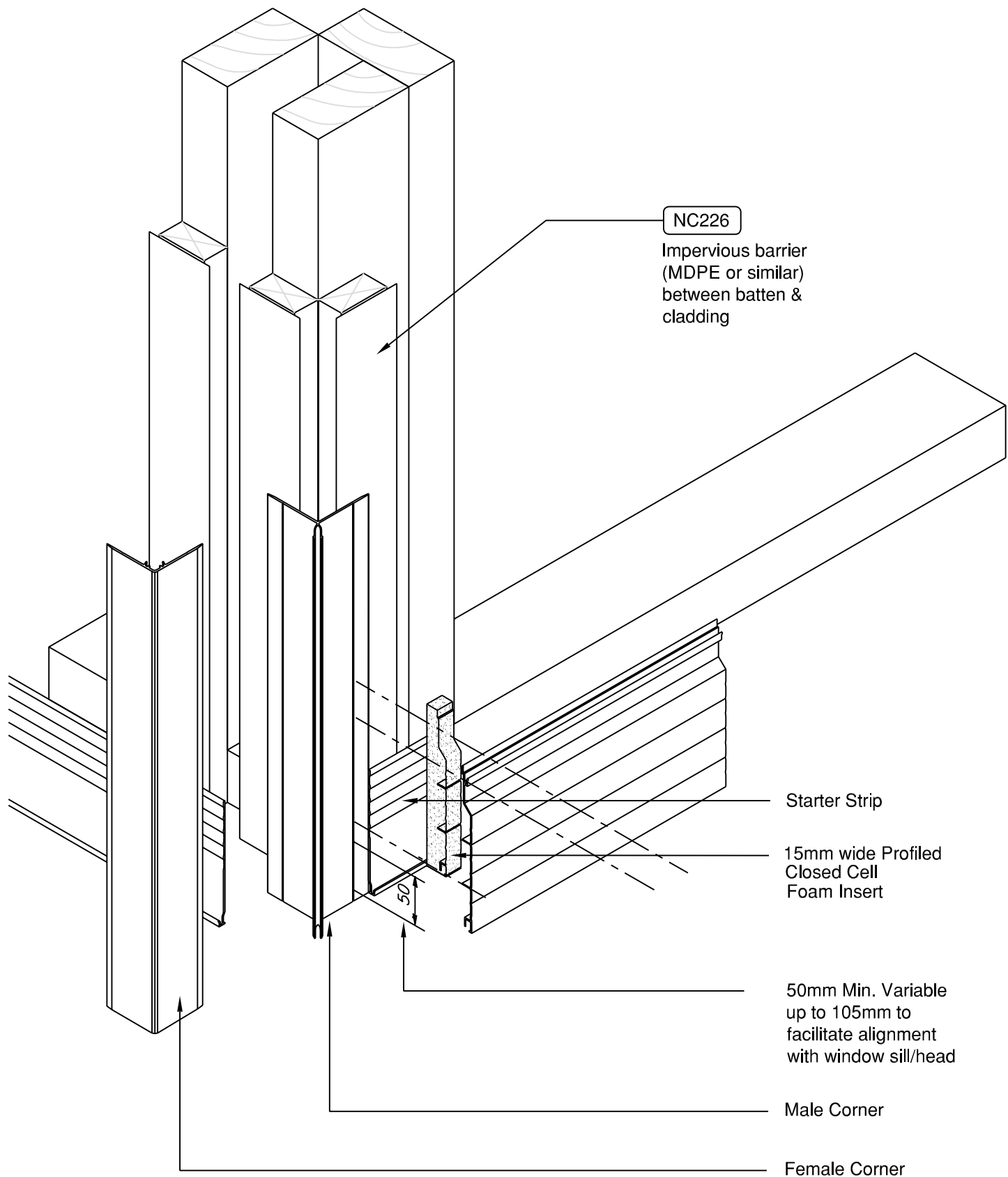


2. Fit NC109X into space created by checking out upstands. Ensure no overlapping occurs.

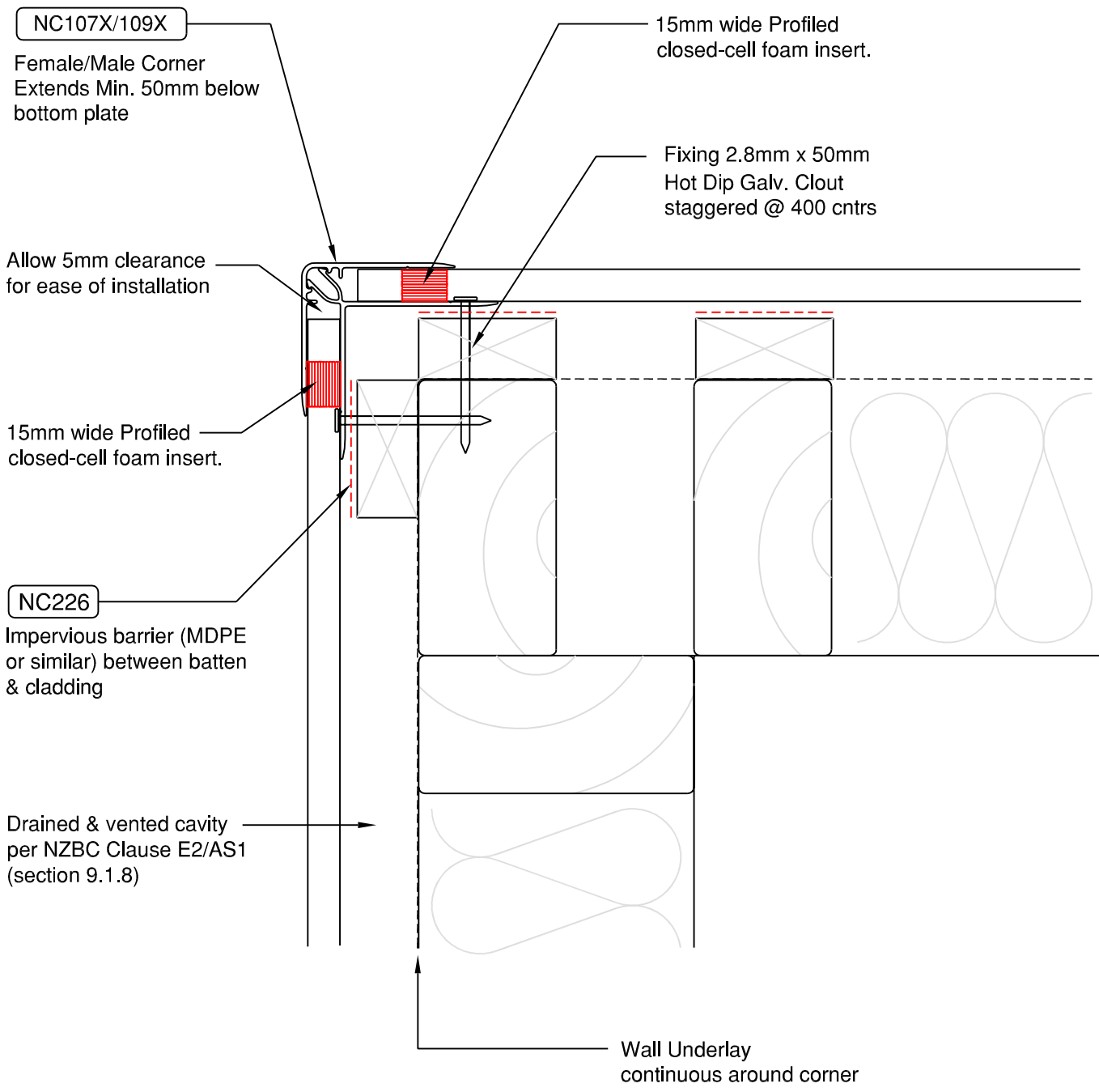


3. After cladding boards have been fitted, measure and cut NC107X to finish above front upstand of NC134 as shown. Fit NC107X.

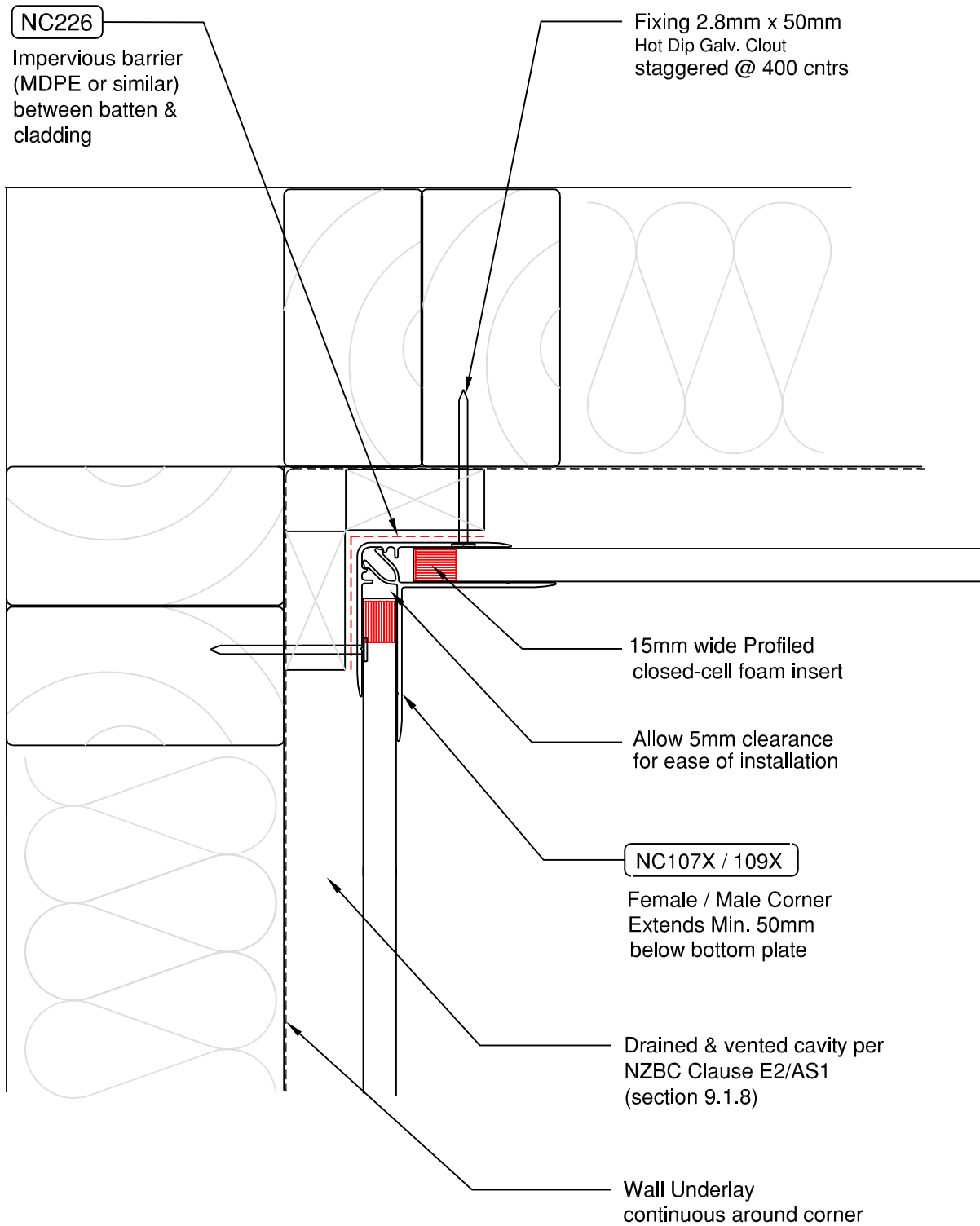




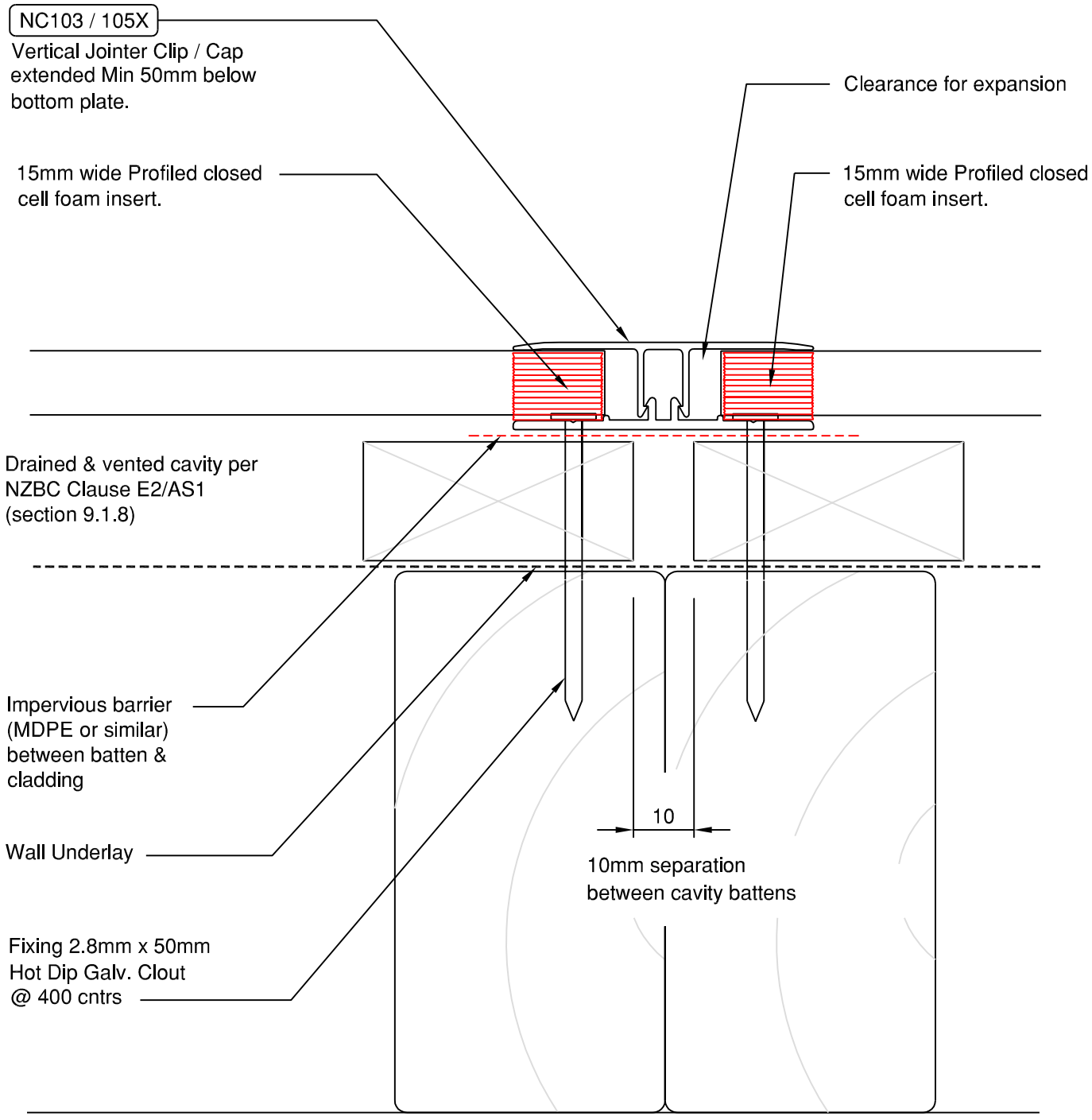
NW-H006C - Horizontal Cladding over Drained & Vented Cavity Starter Strip/Corner Isometric Scale NTS



NW-H007C - Horizontal Cladding over Drained & Vented Cavity 90° External Corner
Scale 1:2



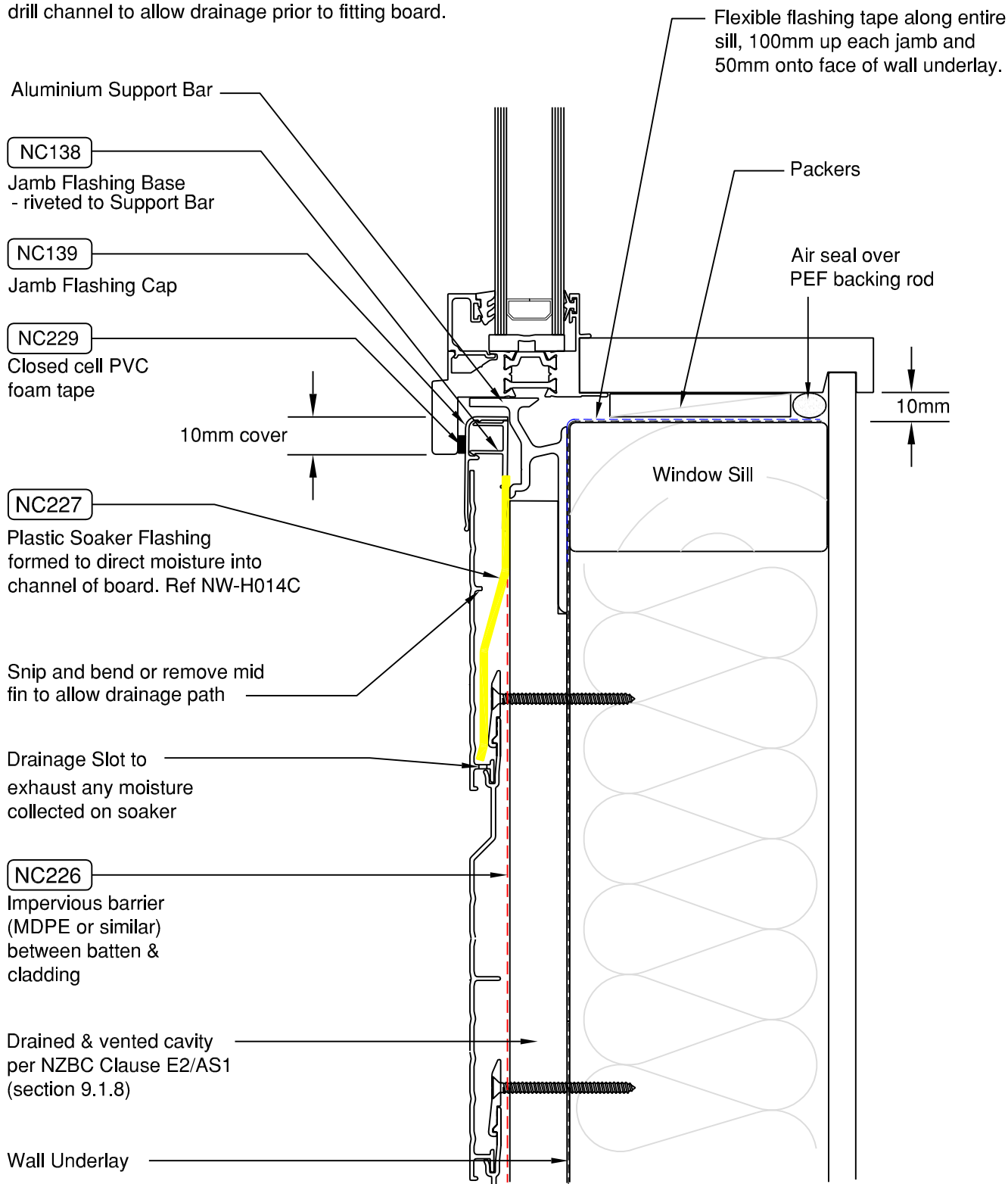
NW-H008C - Horizontal Cladding over Drained & Vented Cavity 90° Internal Corner
Scale 1:2



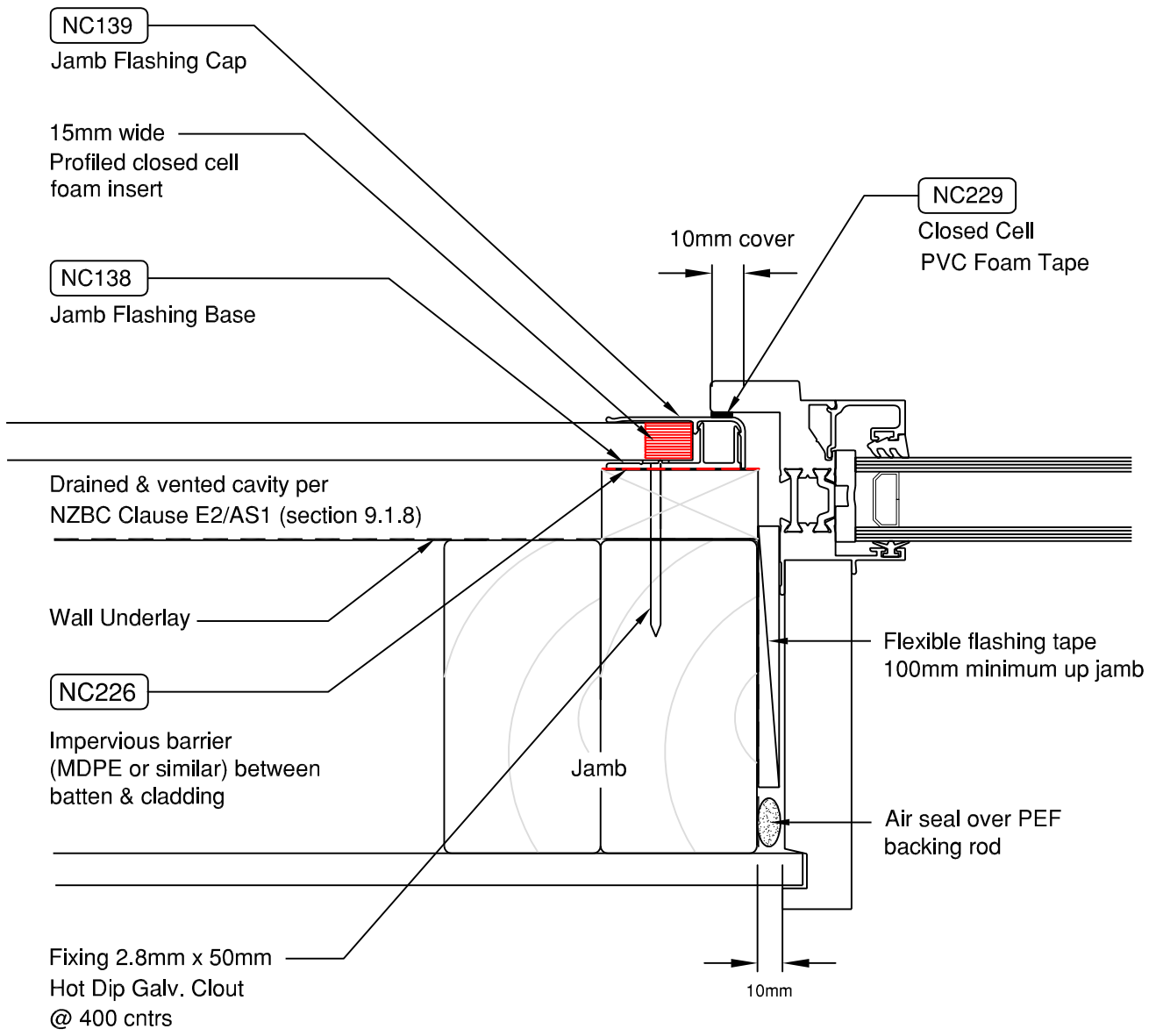
NW-H009C - Horizontal Cladding over Drained & Vented Cavity Vertical Joint
Scale 1:1

To ensure control of failure water:

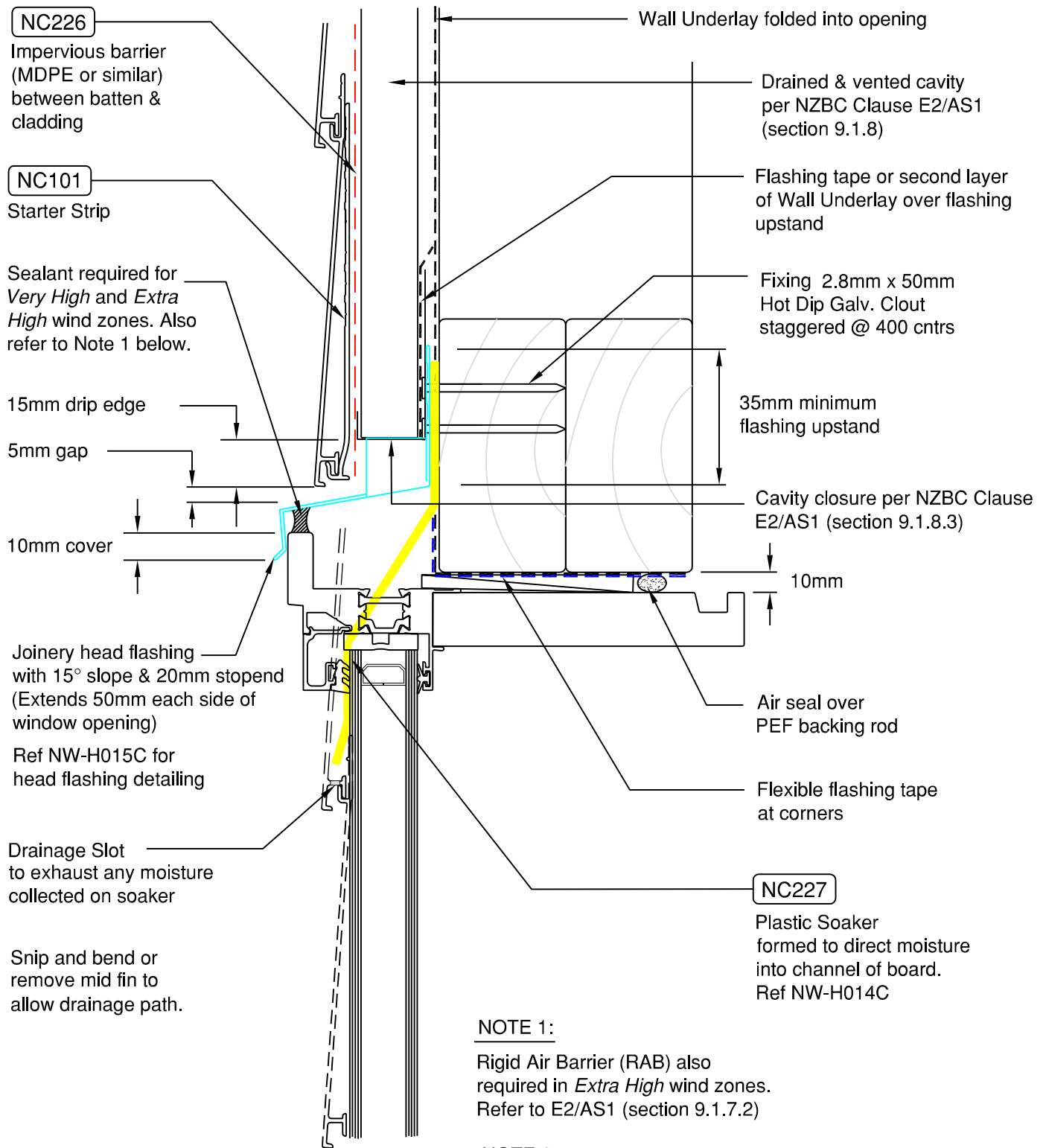
1. Stop fitting boards at last full board below window.
2. Cut and fit soaker flashing and form to locate in channel of board as shown.
3. Fit Jamb Flashing base running over the soaker.
4. Cut board to fit around bottom of window. Cut away or drill channel to allow drainage prior to fitting board.



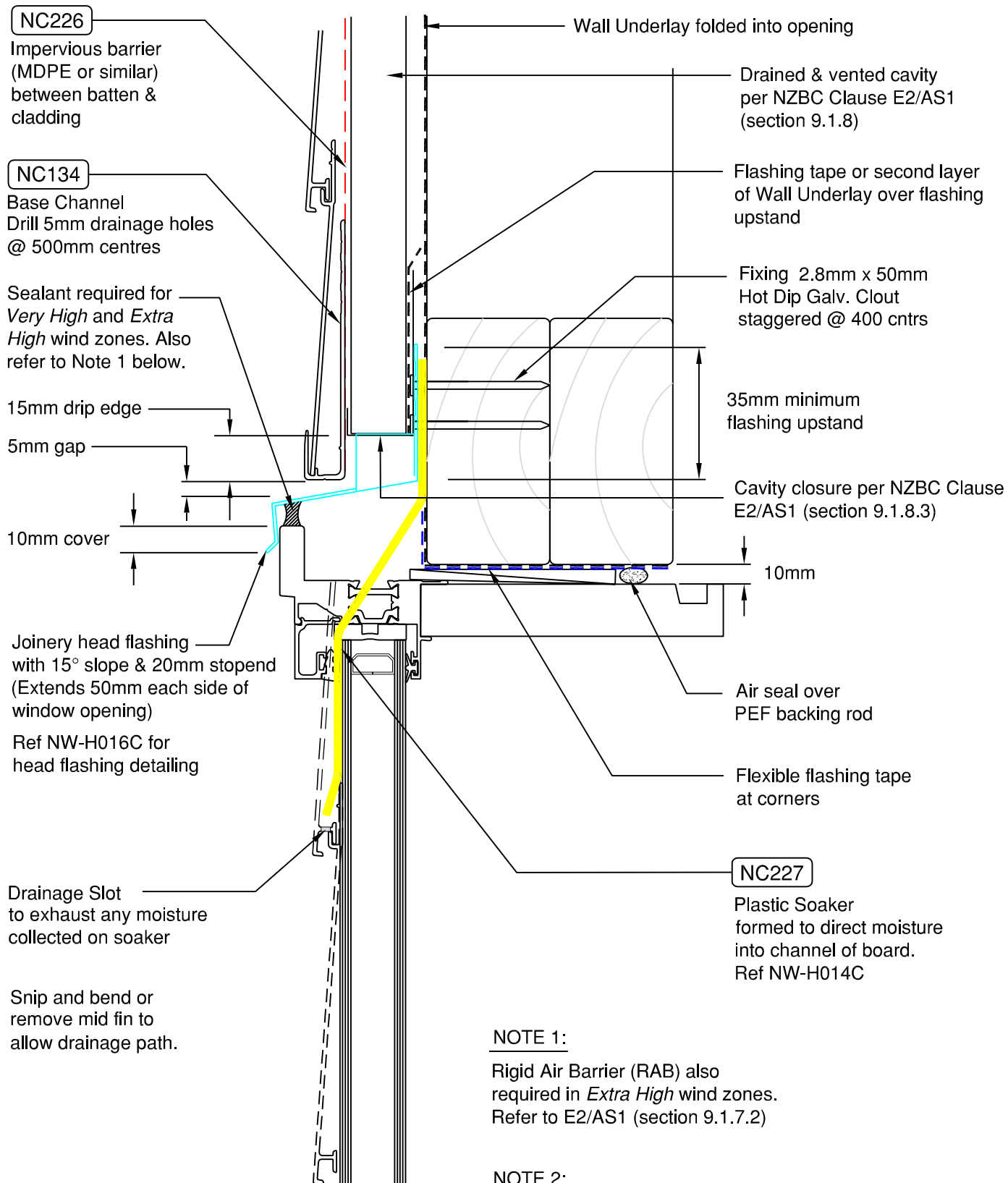
NW-H010C - Horizontal Cladding over Drained & Vented Cavity Window Sill with Support Bar
Scale 1:2



NW-H011C - Horizontal Cladding over Drained & Vented Cavity Window Jamb
Scale 1:2



NW-H012C - Horizontal Cladding over Drained & Vented Cavity Window Head - Full Board
Scale 1:2



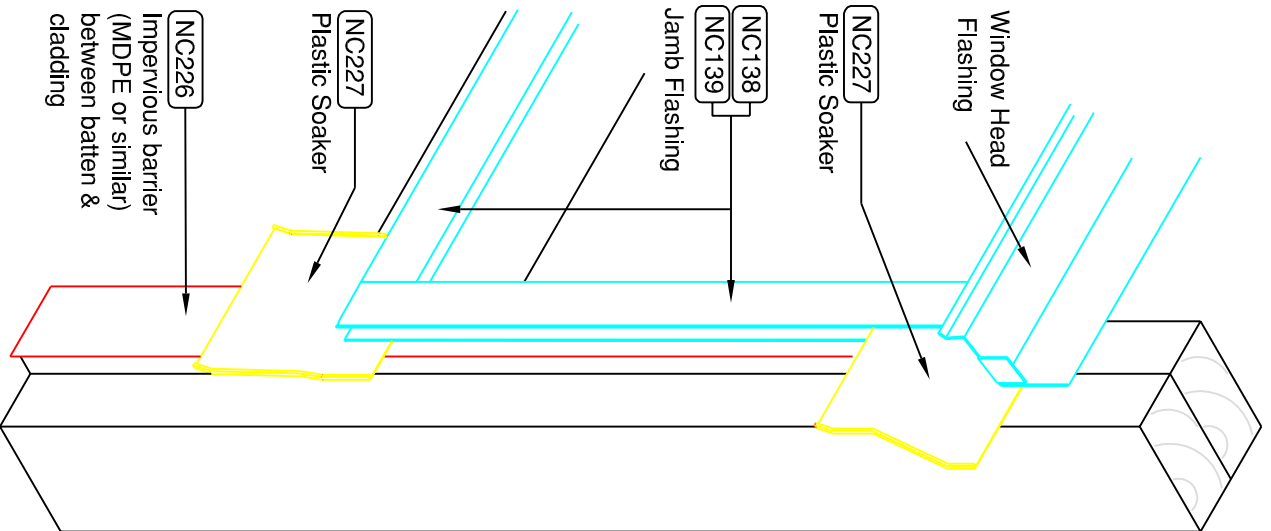
NOTE 1:

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

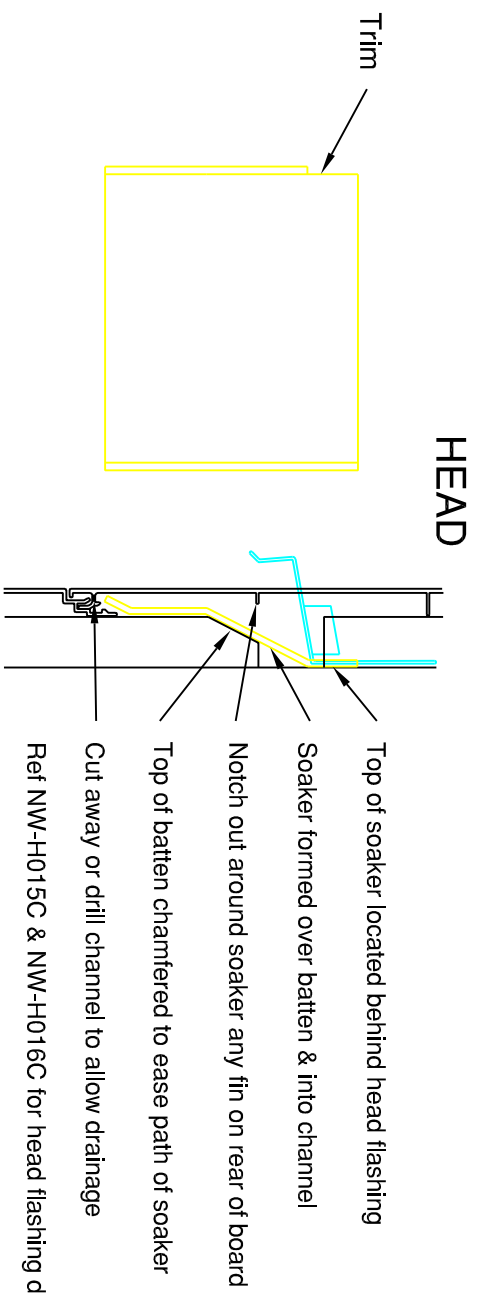
NOTE 2:

Detail depicts use of Base Channel to locate notched board. Refer to NW-H012C where a full board occurs.

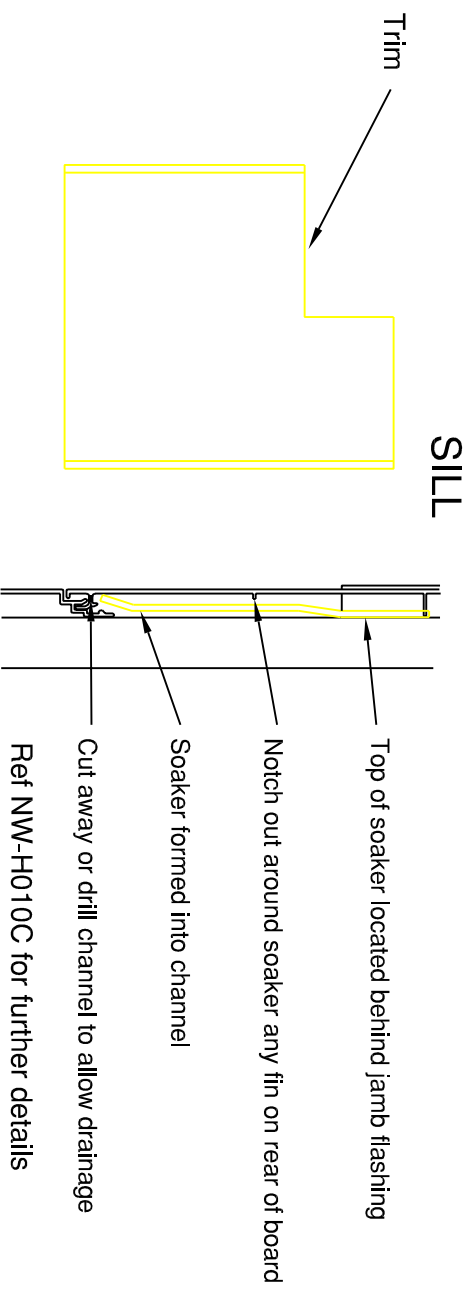
NW-H013C - Horizontal Cladding over Drained & Vented Cavity Window Head - Notched Board
Scale 1:2



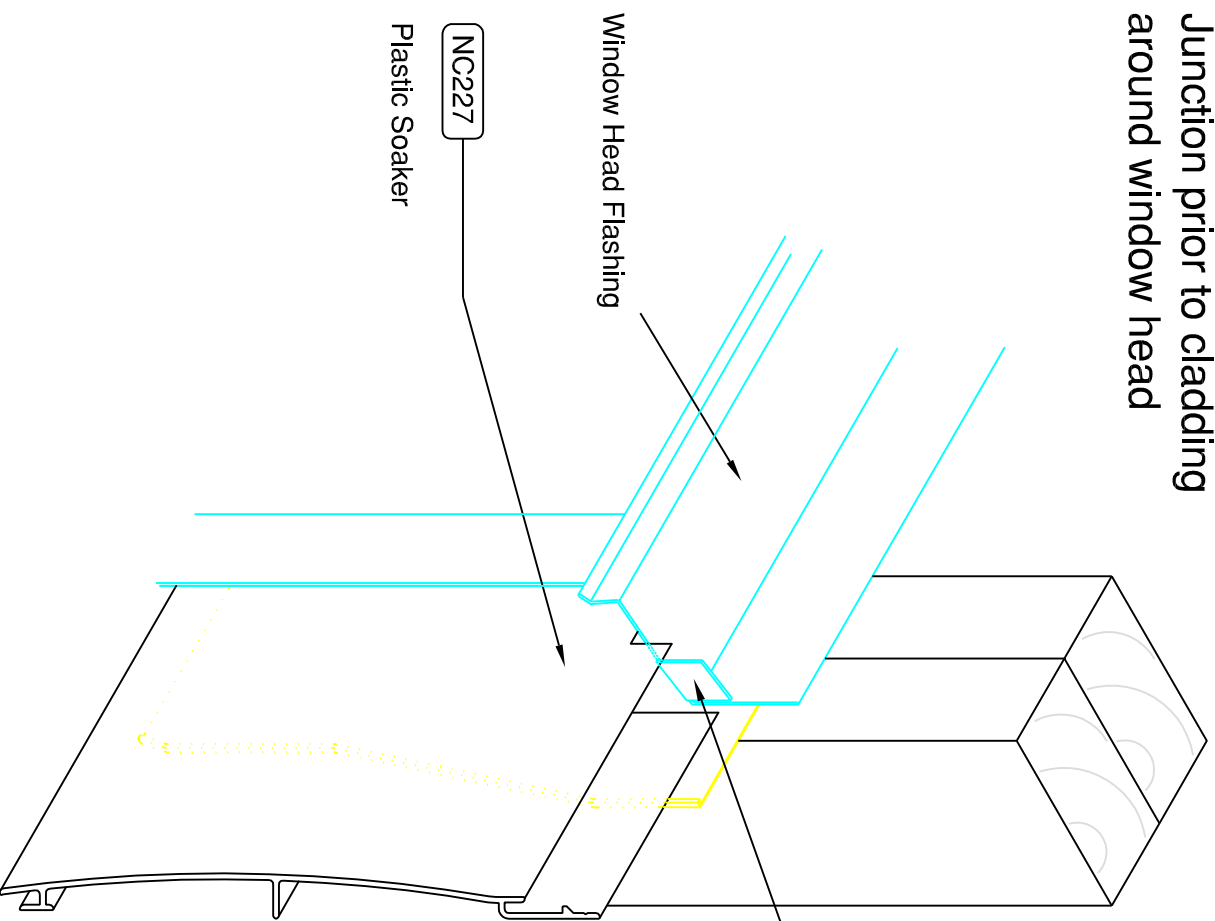
NW-H014C - Horizontal Cladding over Drained & Vented Cavity Window Head & Sill Soaker Details
Scale NTS



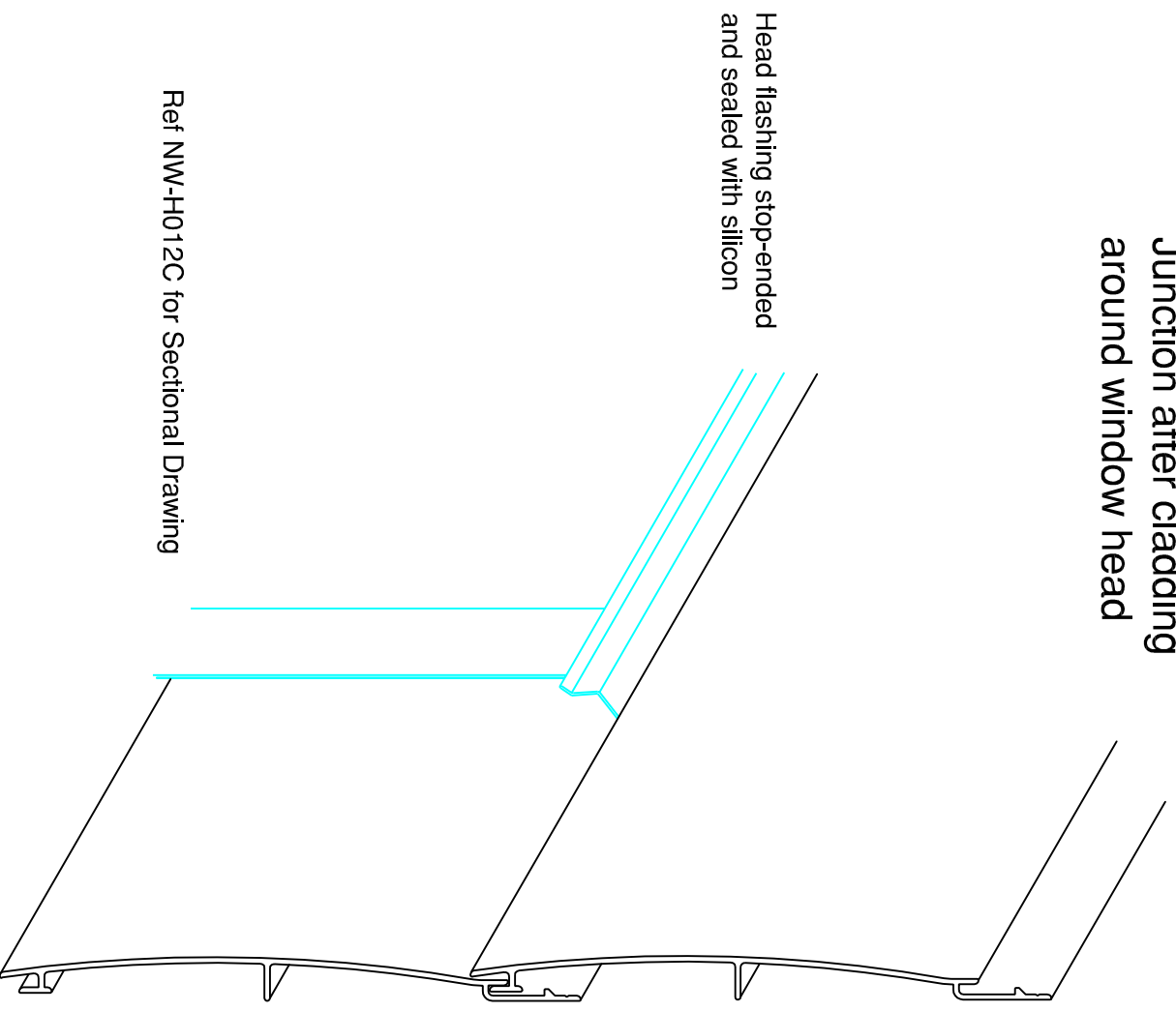
1. Cut plastic soaker initially to approximate length-allow sufficient to fit top corner behind head flashing or jamb flashing base, and to lap over fixing tongue of cladding board at bottom.
2. Trim as shown then fit into place.
3. Cut to finished length required to provide drainage path into channel. Do not cut too long-soaker should "hang" in channel.



Junction prior to cladding
around window head



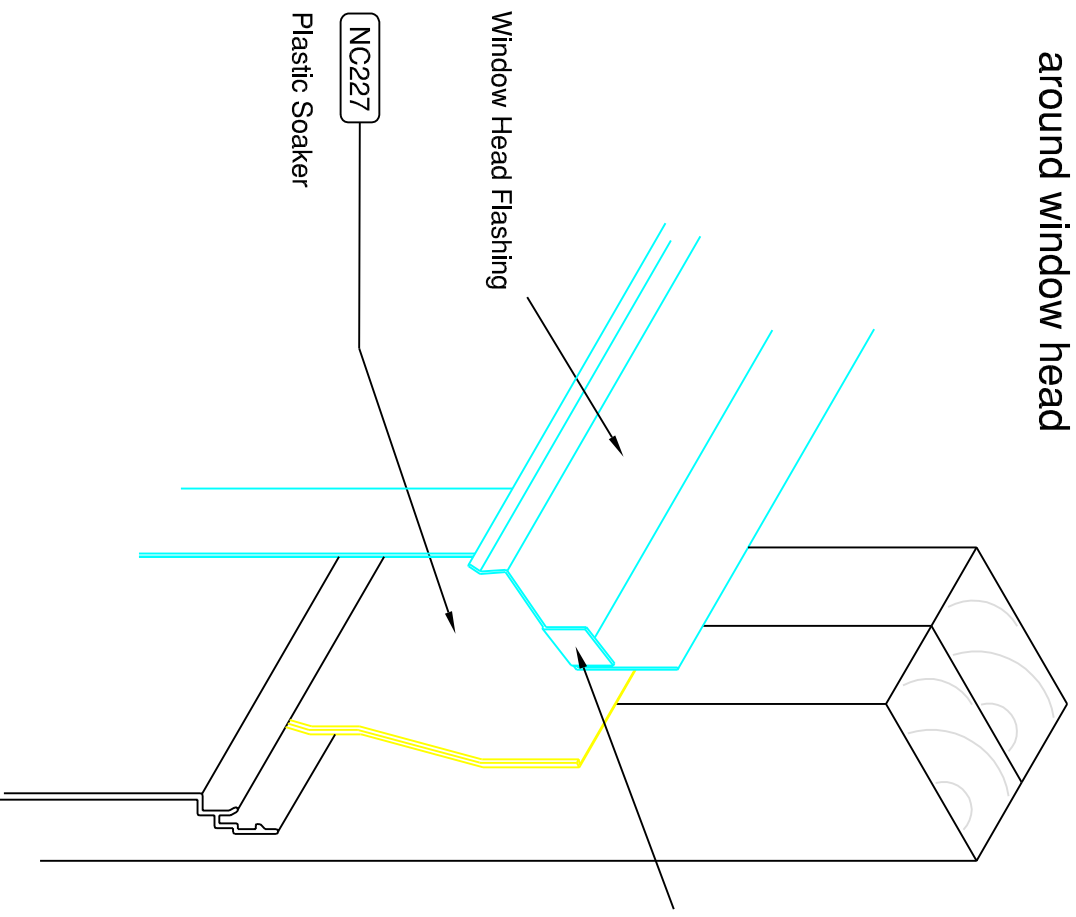
Junction after cladding
around window head



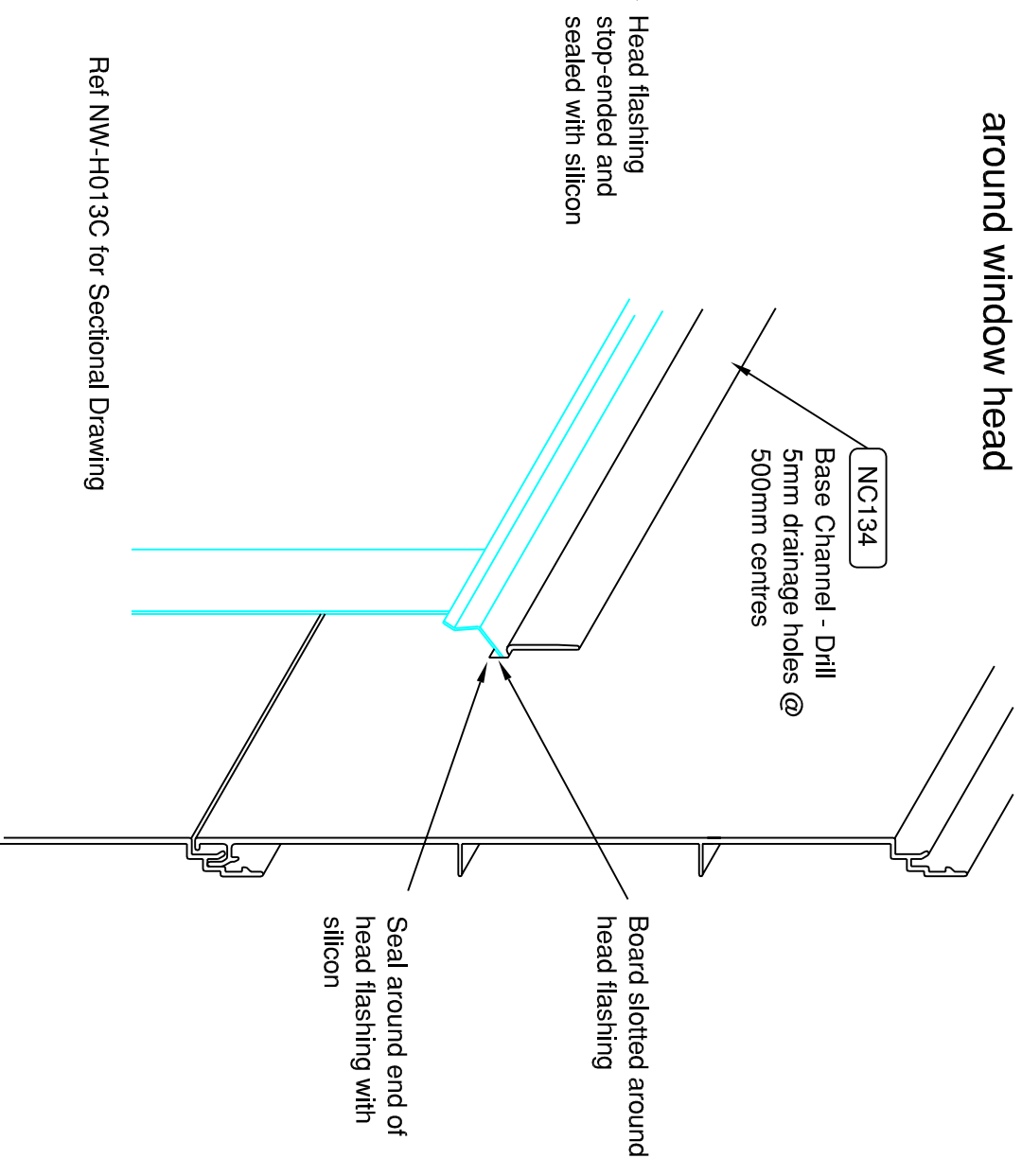
Ref NW-H012C for Sectional Drawing

NW-H015C - Horizontal Cladding over Drained & Vented Cavity Window Head Flashing End Detail - Full Board
Scale NTS

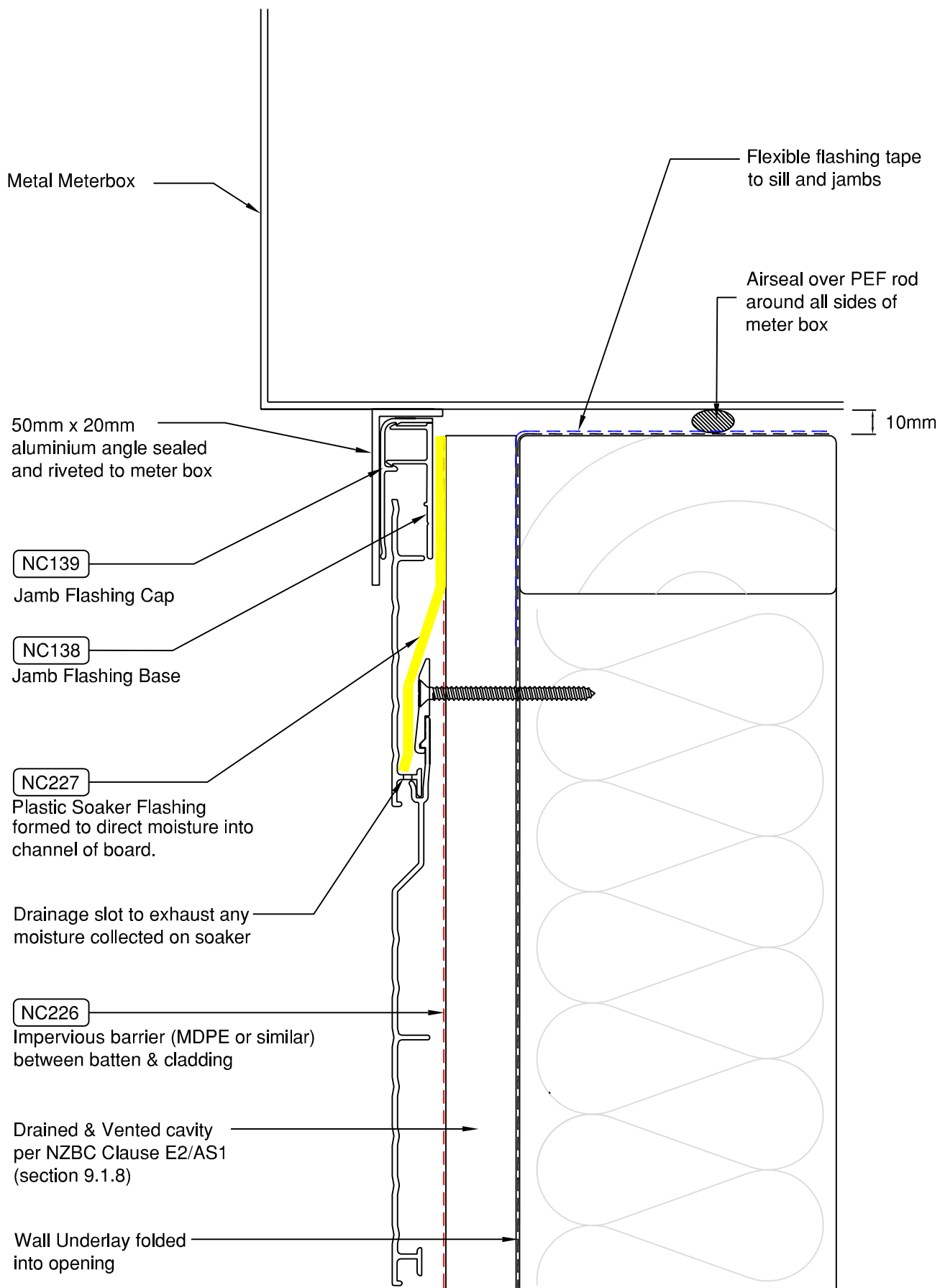
Junction prior to cladding around window head



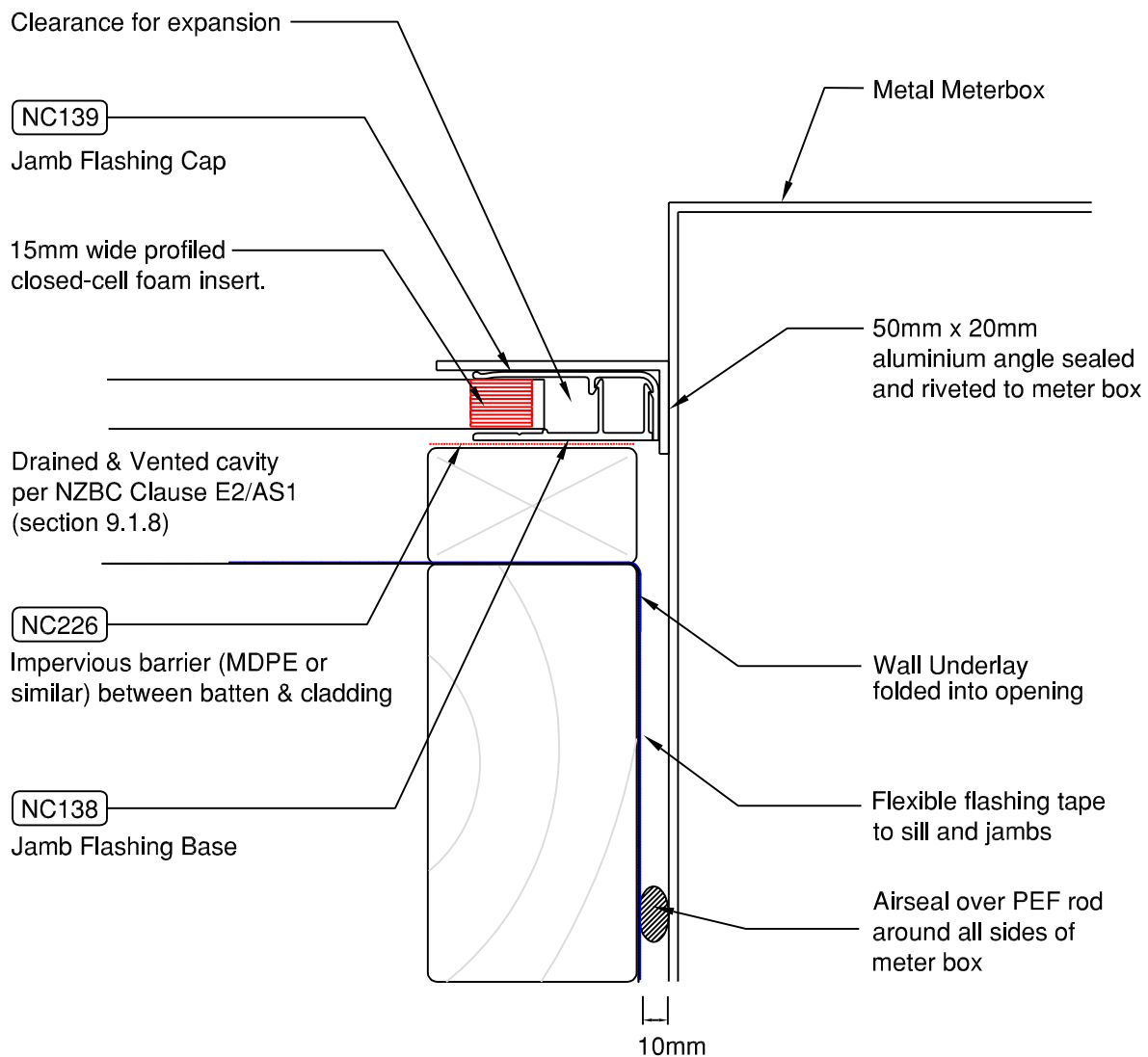
Junction after cladding around window head



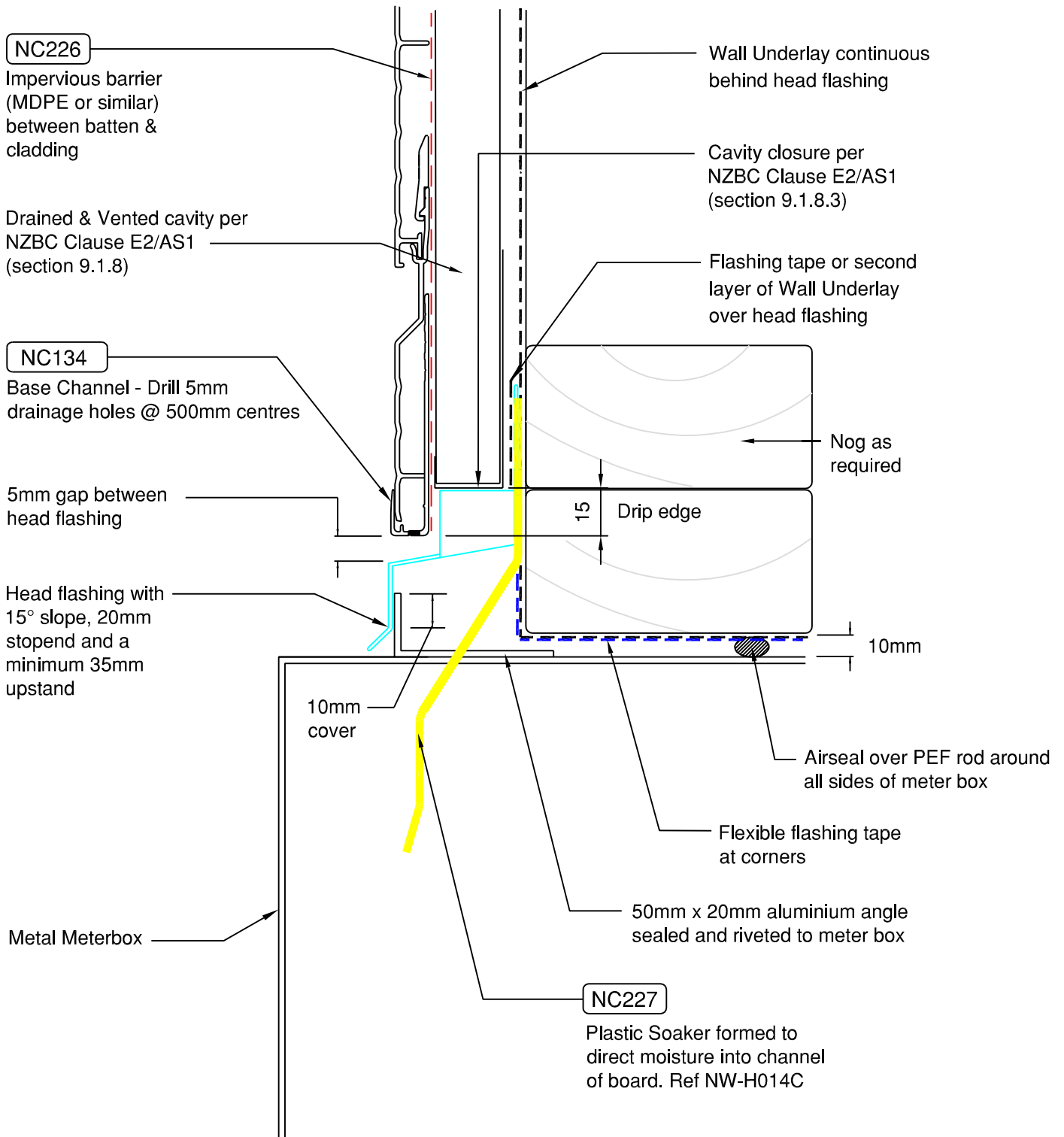
NW-H016C - Horizontal Cladding over Drained & Vented Cavity Window Head Flashing End Detail - Notched Board
Scale NTS



NW-H017C - Horizontal Cladding over Drained & Vented Cavity Meter Box Sill Detail
Scale NTS



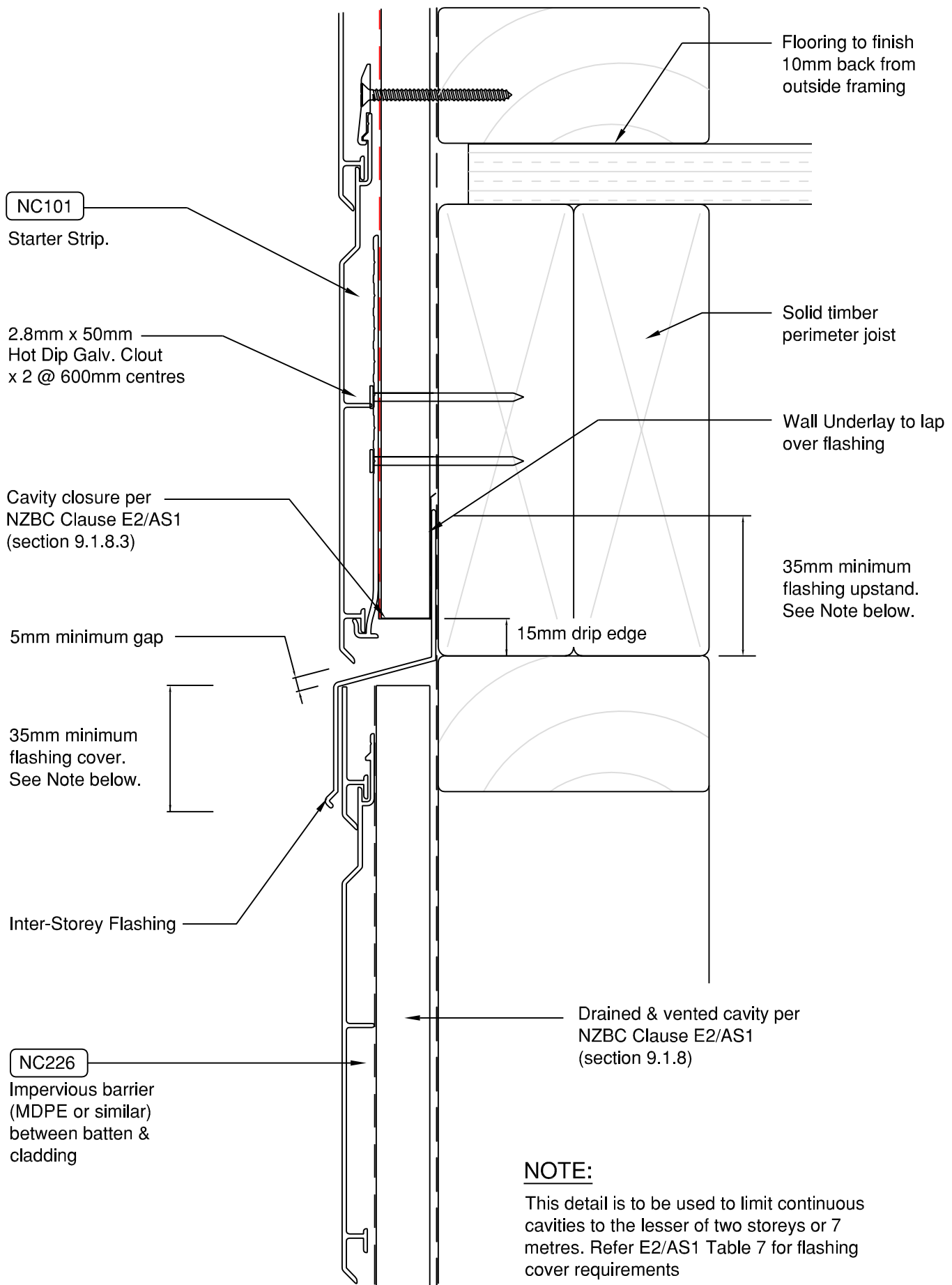
NW-H018C - Horizontal Cladding over Drained & Vented Cavity Meter Box Jamb Detail
Scale NTS



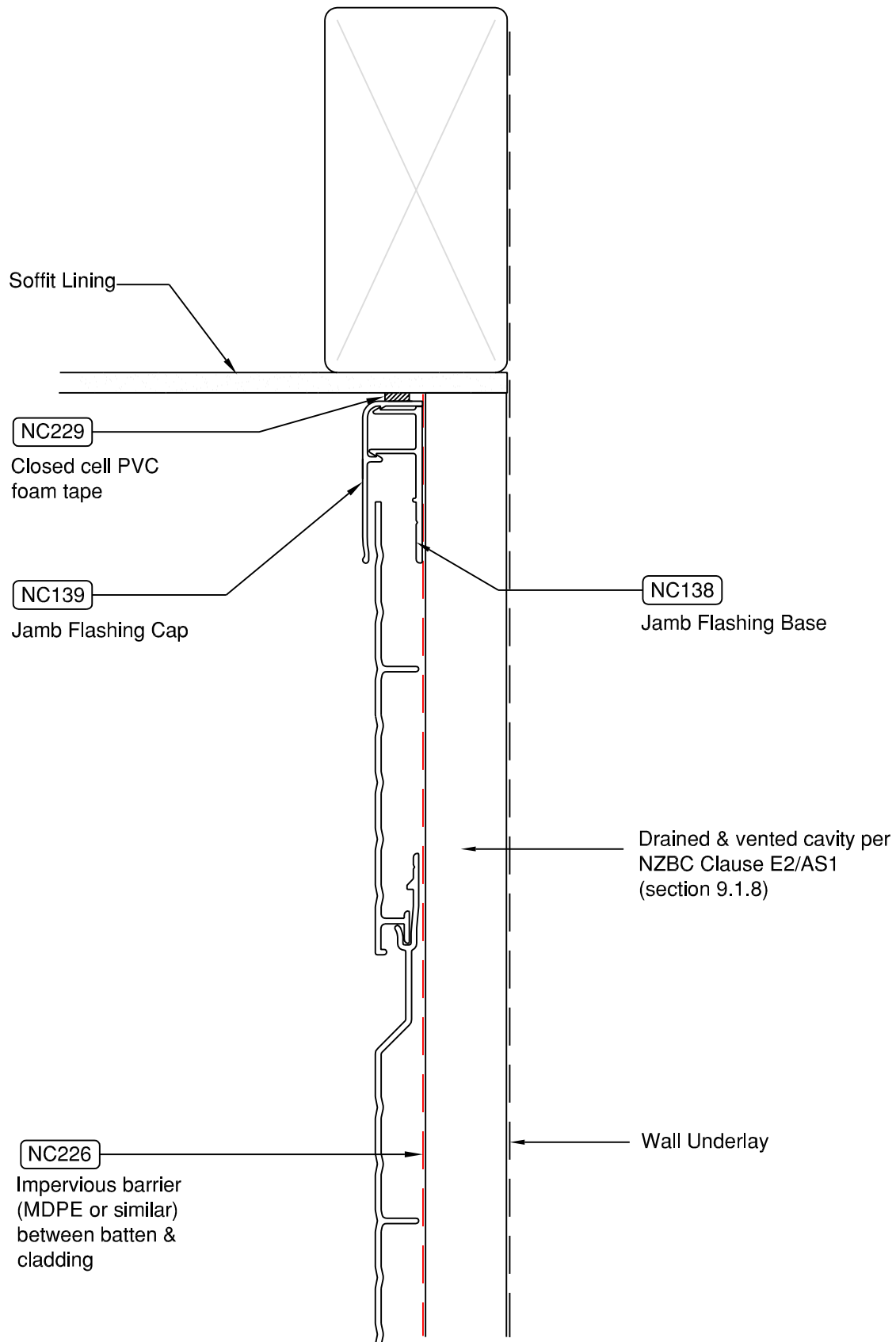
NOTE:

Detail depicts use of Base Channel to locate notched board. Where full board occurs detail as per window head. Ref NW-H015C

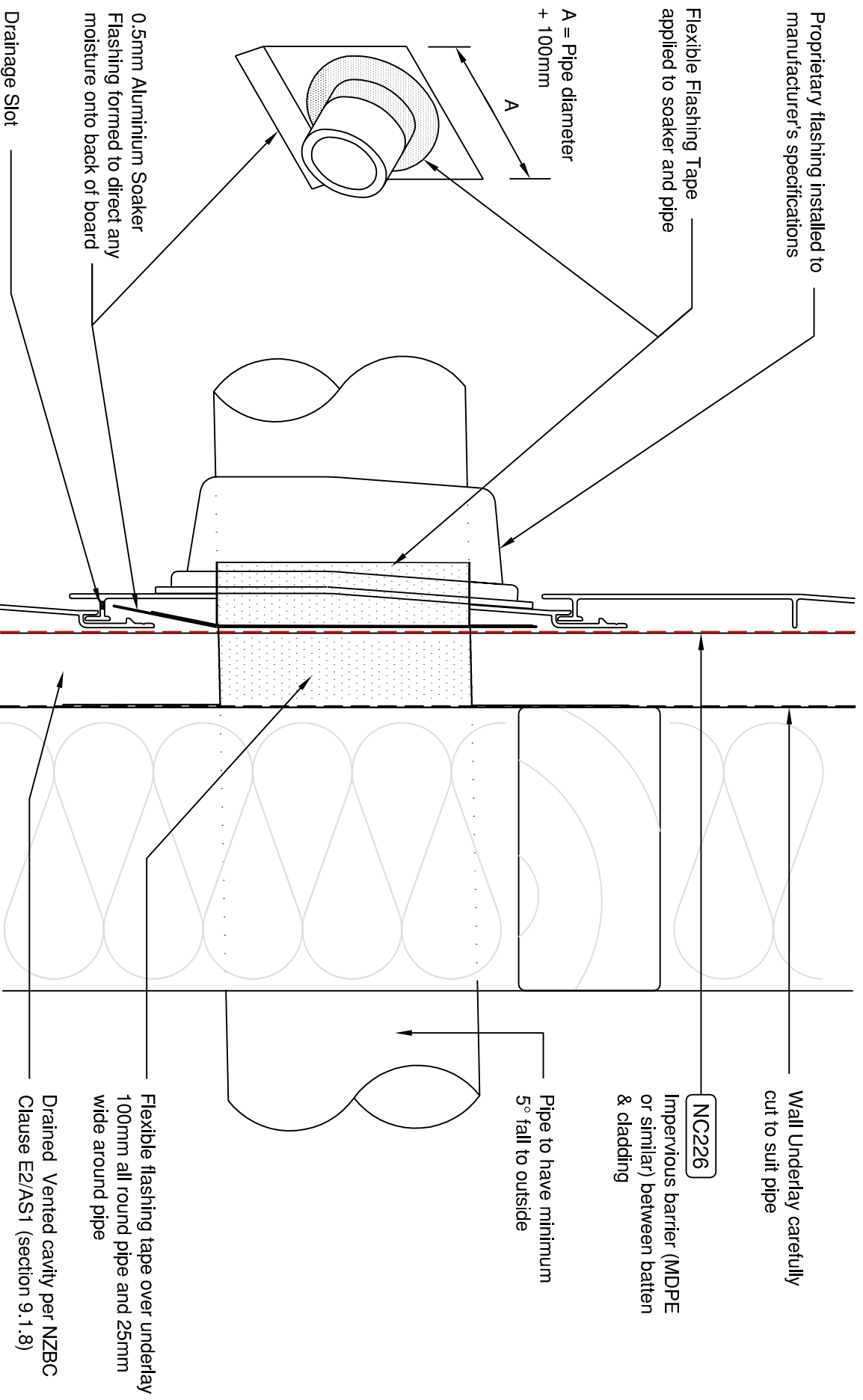
NW-H019C - Horizontal Cladding over Drained & Vented Cavity Meter Box Head Detail
Scale NTS



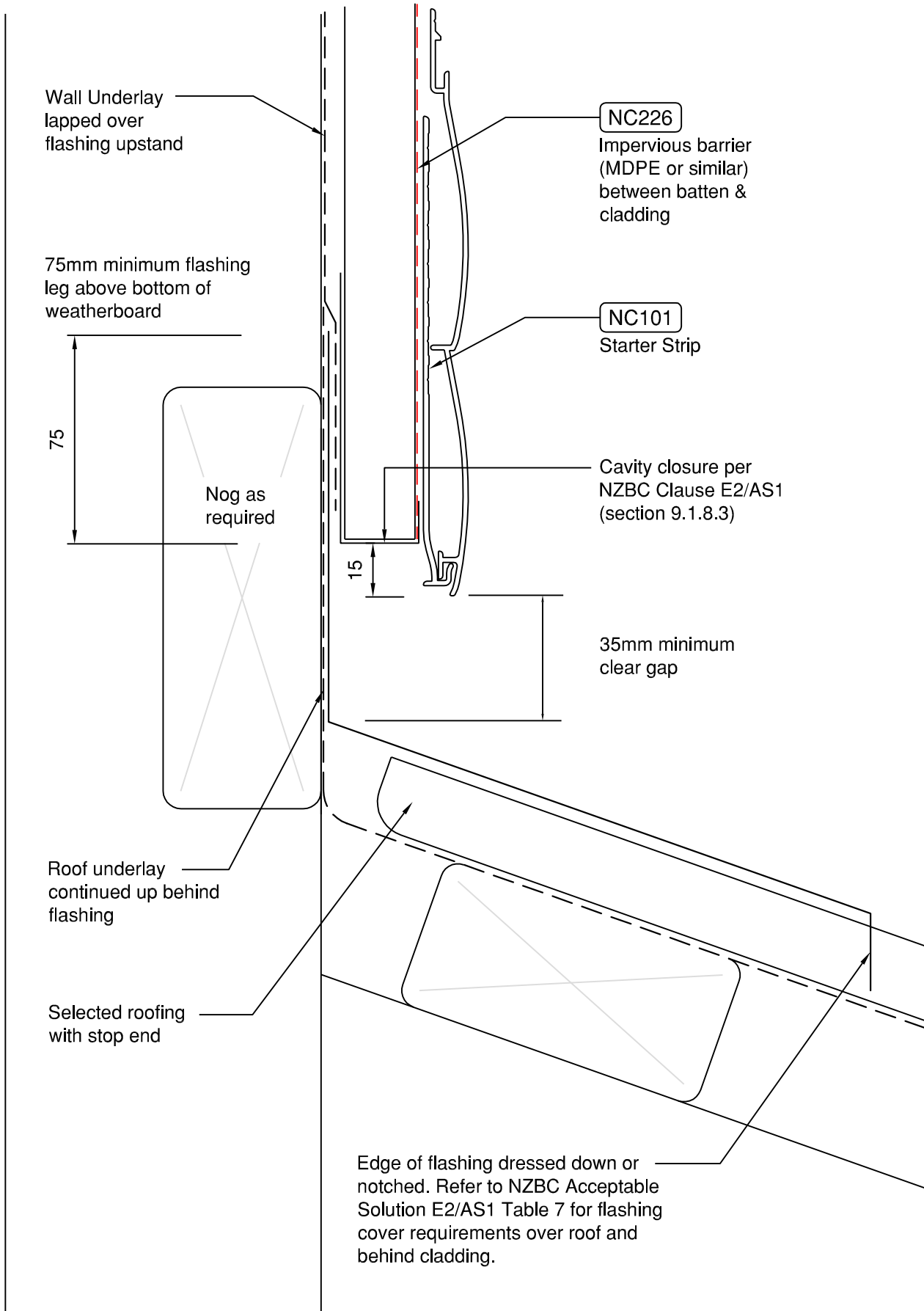
NW-H020C - Horizontal Cladding over Drained & Vented Cavity Inter-Storey Drainage Joint
Scale NTS



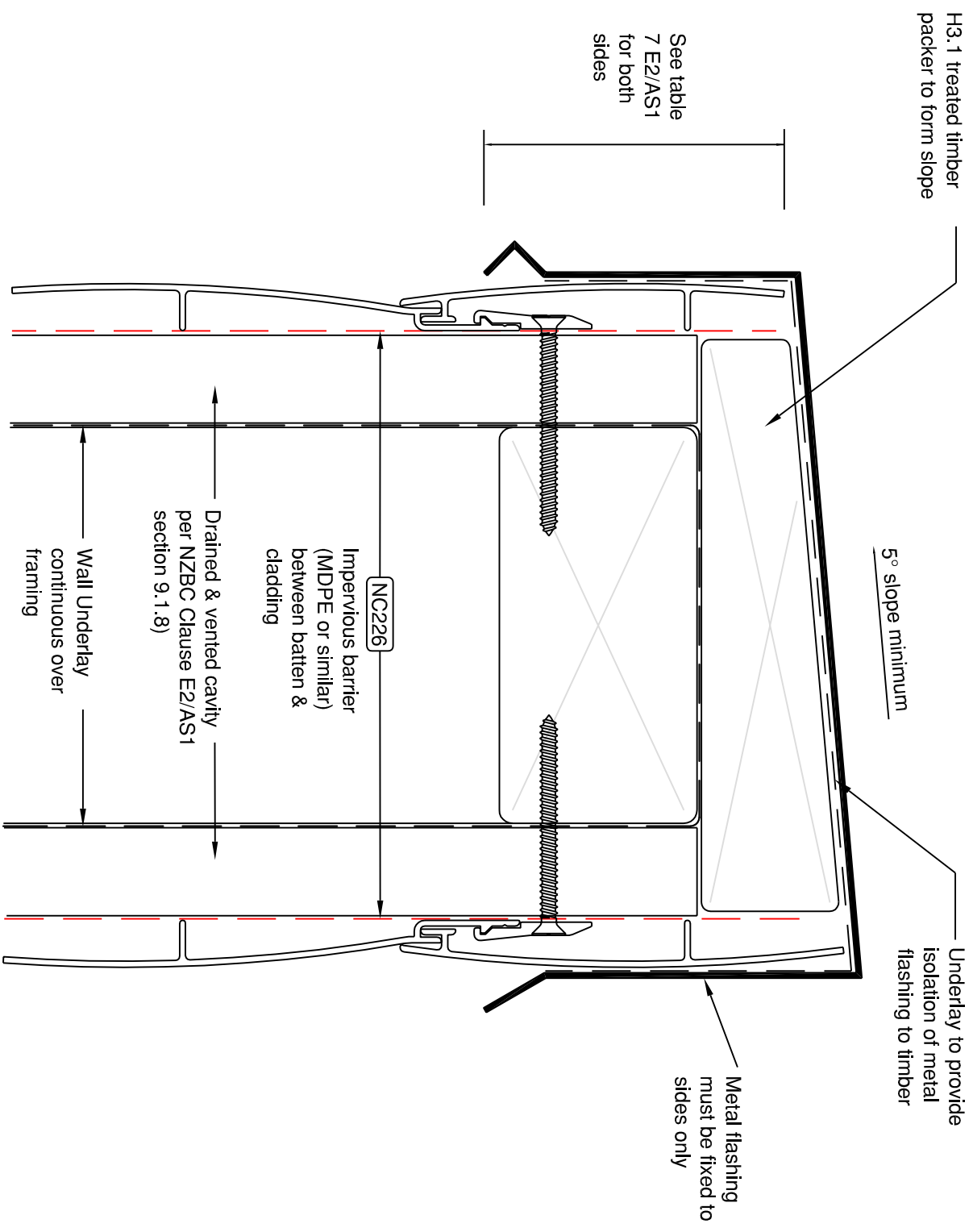
NW-H021C - Horizontal Cladding over Drained & Vented Cavity Soffit Trim
Scale NTS



NW-H022C - Horizontal Cladding over Drained & Vented Cavity Pipe Penetration
Scale NTS



NW-H023C - Horizontal Cladding over Drained & Vented Cavity Roof / Wall Junction
Scale NTS



H3.1 treated timber packer to form slope

5° slope minimum

Underlay to provide isolation of metal flashing to timber

Metal flashing must be fixed to sides only

See table 7 E2/AS1 for both sides

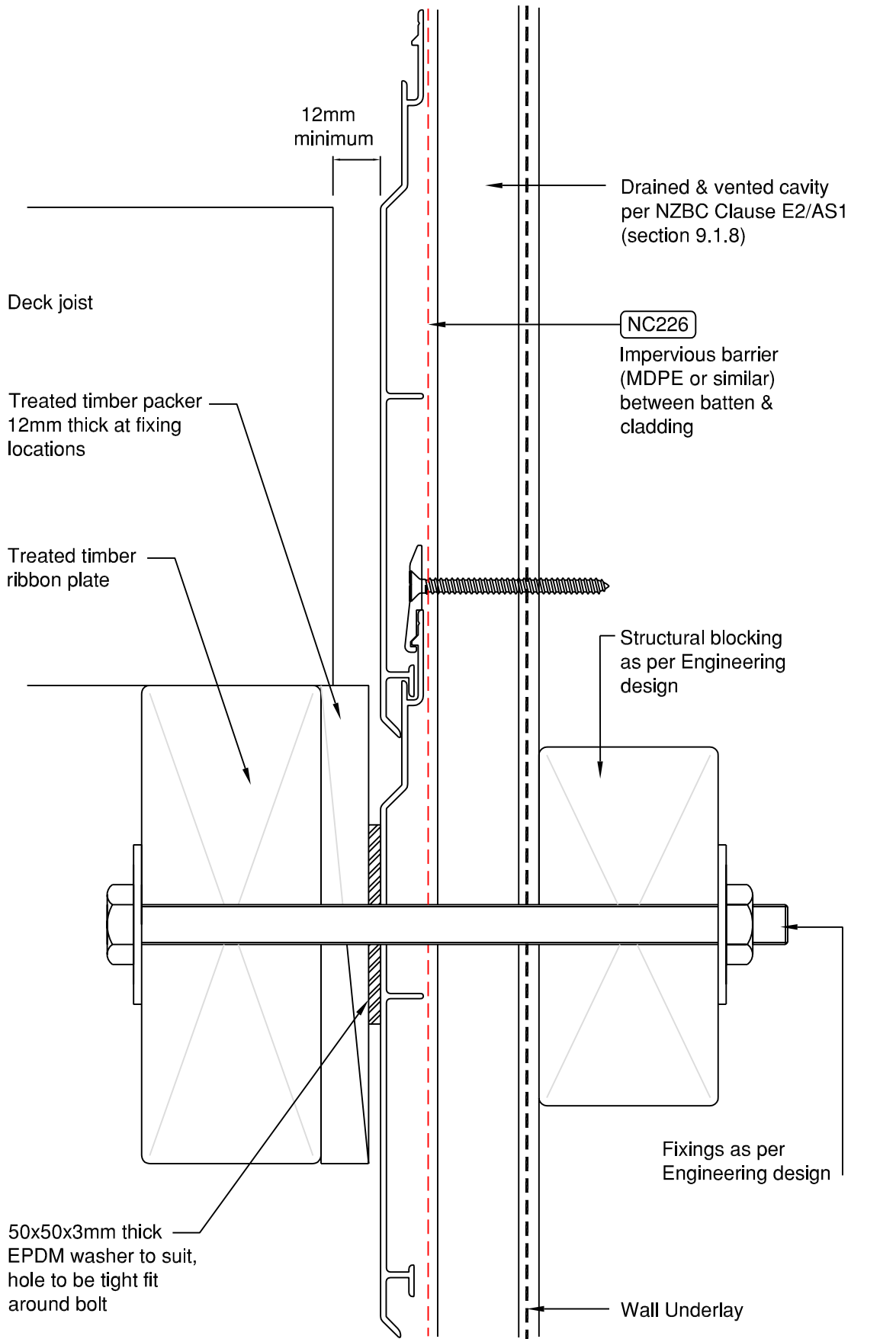
NC226

Impervious barrier (MDPE or similar) between batten & cladding

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

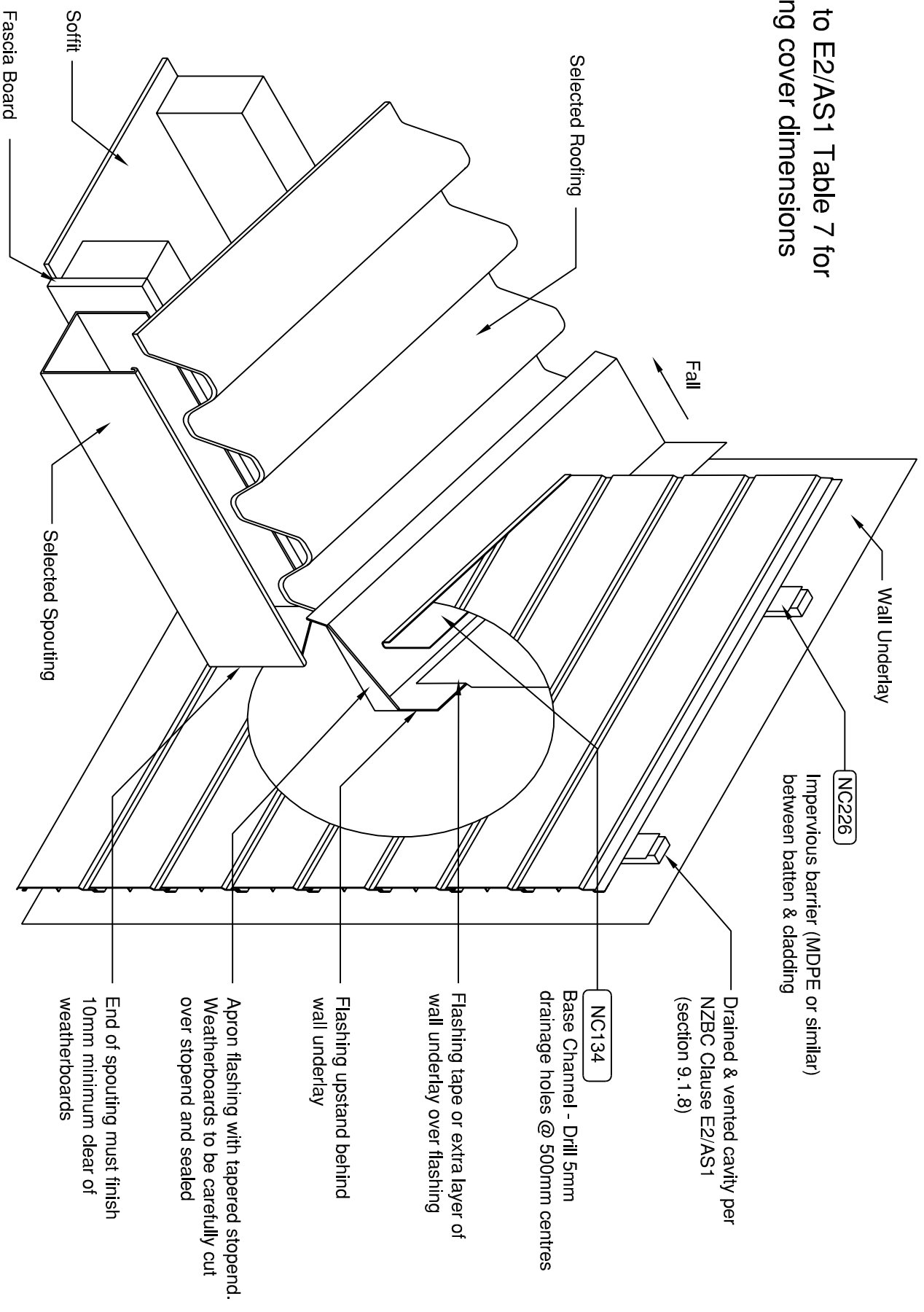
Wall Underlay continuous over framing

NW-H024C- Horizontal Cladding over Drained & Vented Cavity Parapet Flashing
Scale NTS



NW-H025C - Horizontal Cladding over Drained & Vented Cavity Deck Junction
Scale NTS

Refer to E2/AS1 Table 7 for flashing cover dimensions



NW-H026C - Horizontal Cladding over Drained & Vented Cavity Gutter / Wall Junction
Scale NTS

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