



NU-WALL EXTRUDED ALUMINIUM CLADDING

Installation Specifications – Horizontal orientation (direct-fixed)

1. NW-H001; Starter strip & fixing detail
2. NW-H002; Starter strip over timber floor
3. NW-H003; Starter strip over waterproof deck
4. NW-S002; Horizontal cladding set-out to joinery head
5. NW-S003; Starter strip mitred corner detail
6. NW-S004; Base channel mitred corner detail
7. NW-H004; Starter strip / external 90° corner isometric
8. NW-H005; External 90° corner
9. NW-H006; Internal 90° corner
10. NW-H007; Vertical joint
11. NW-H008; Window sill section
12. NW-S001; Sill flashing stop-end formation
13. NW-H009; Window jamb section
14. NW-H010; Window head section (coinciding with full board)
15. NW-H011; Window head section (notched board)
16. NW-H012; Window head & sill soaker flashing detailing
17. NW-H013; Window head flashing end detail (full board)
18. NW-H014; Window head flashing end detail (notched board)
19. NW-H015; Meter box sill section
20. NW-H016; Meter box jamb section
21. NW-H017; Meter box head section
22. NW-H018; Soffit trim section
23. NW-H019; Pipe penetration
24. NW-H020; Roof / wall junction
25. NW-H021; Parapet flashing
26. NW-H022; Deck junction
27. NW-H023; Gutter / wall junction

NOTE:

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

Wall Underlay
Compliant with E2/AS1 Table 23

NC204
8gx32 s/s csk screw

NC203
Universal Fixing Bracket
@ 600mm centres

2.8mm x 30mm
Hot Dip Galv. Clout
x 2 @ 600mm
centres

NC101
Starter Strip.

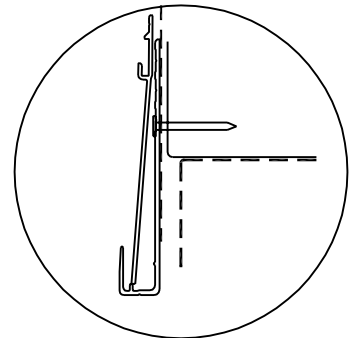
50mm Min. Variable
up to 105mm to
facilitate alignment
with window sill/head

100mm to permanent paving
or 175mm to unpaved ground

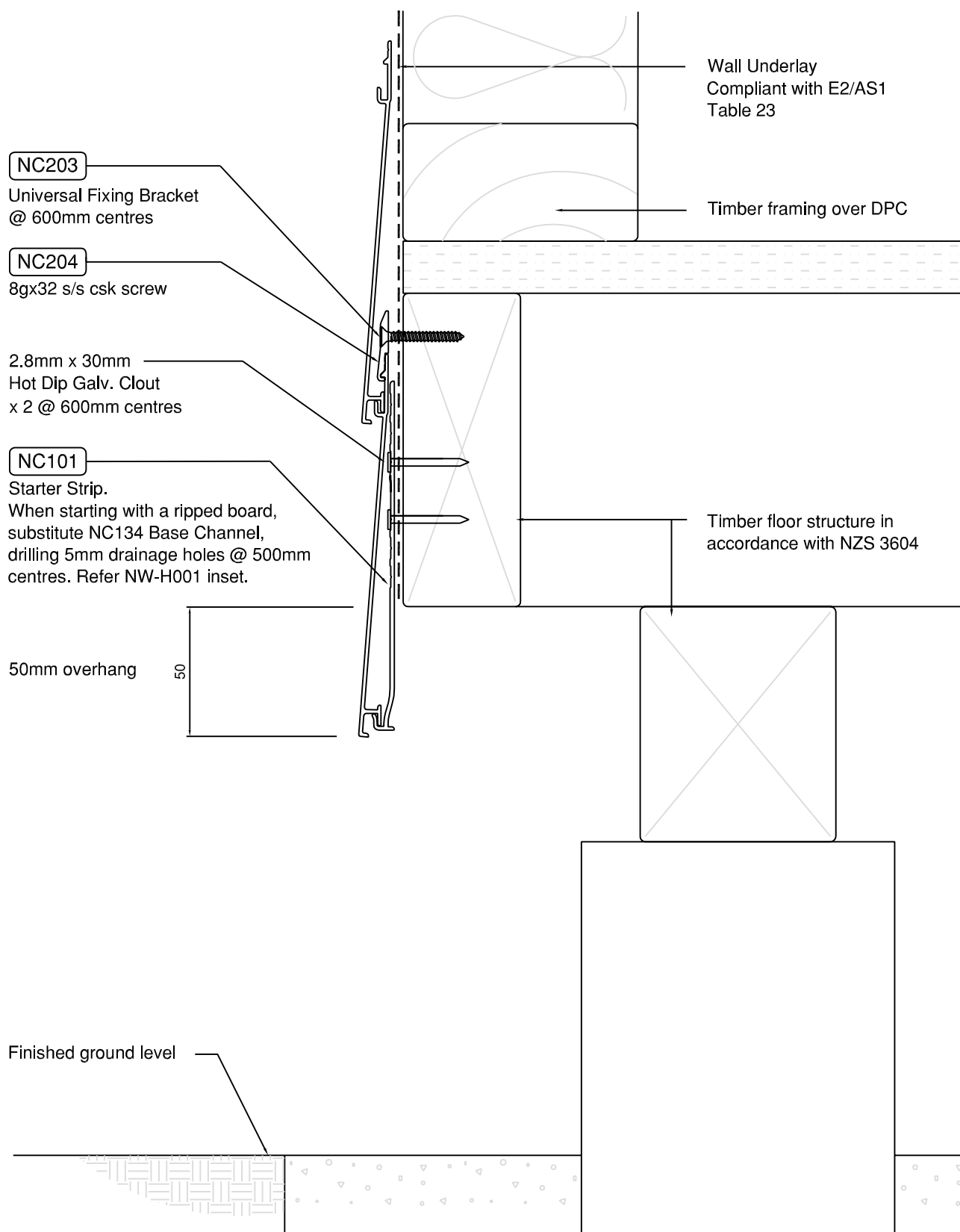
Bottom Plate

6mm Offset

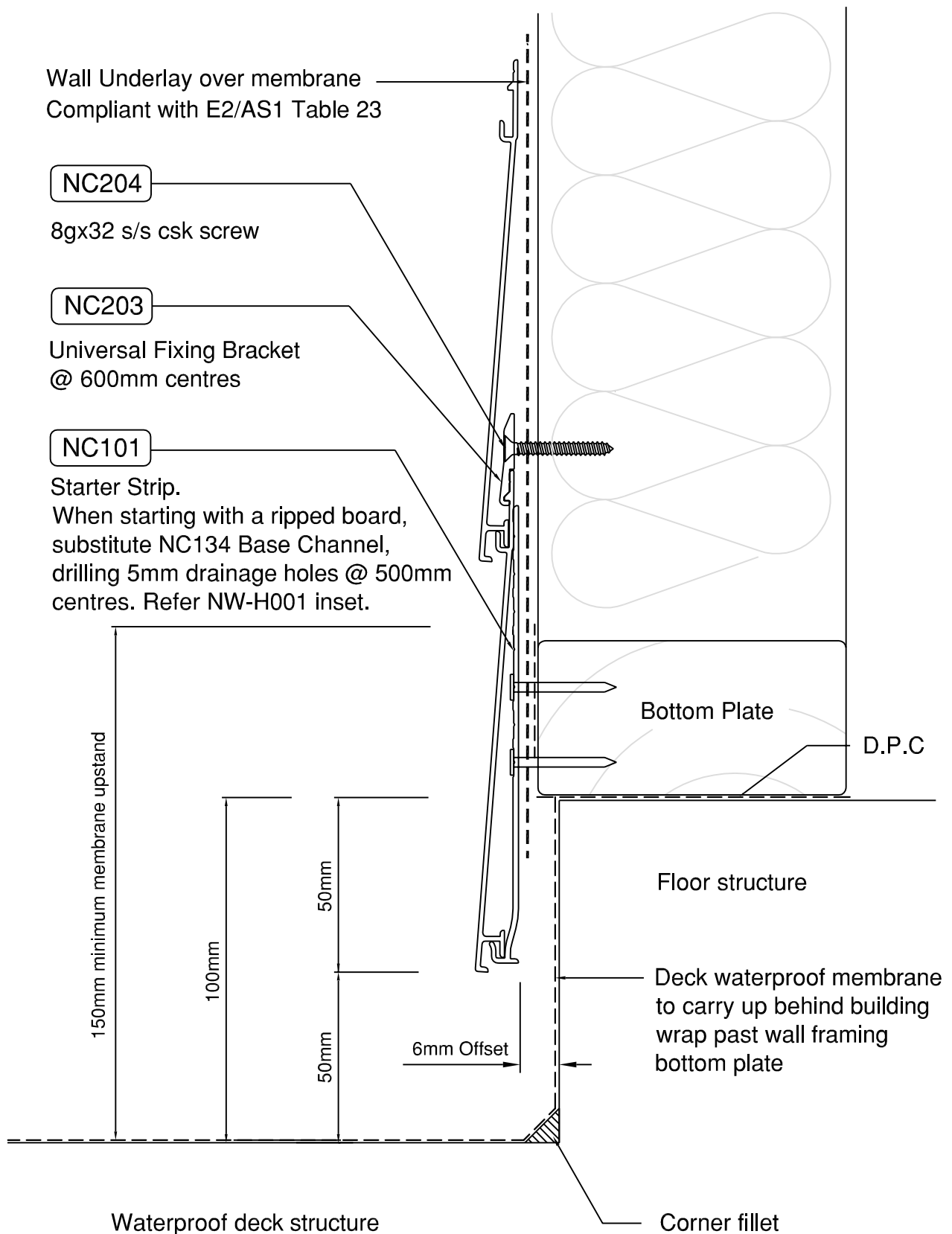
When starting with a ripped board, substitute NC134 Base Channel, drilling 5mm drainage holes @ 500mm centres.



NW-H001 - Horizontal Cladding ; Direct Fix Starter Strip & Fixing
Scale 1:2



NW-H002 - Horizontal Cladding ; Direct Fix - Timber Floor
Scale NTS



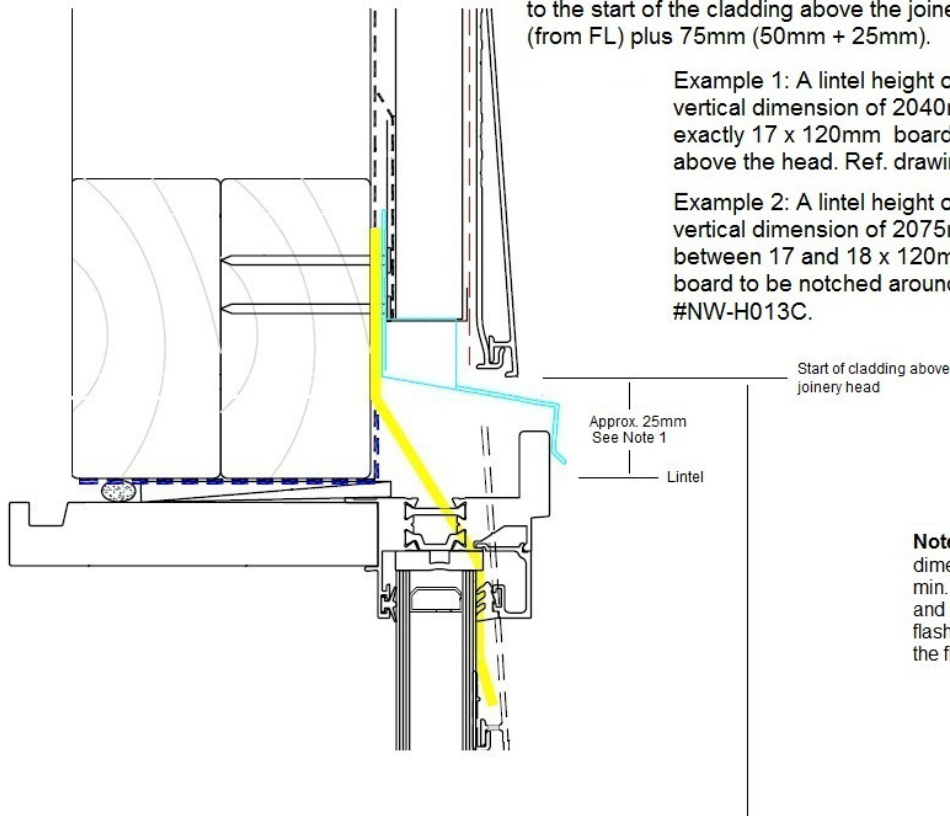
NW-H003 - Horizontal Cladding ; Direct Fix - Waterproof Deck
Scale NTS

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).

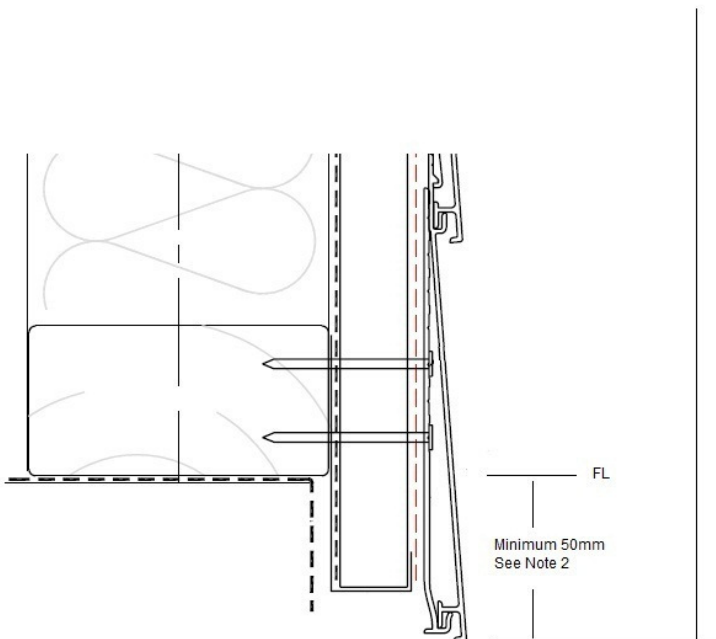
Example 1: A lintel height of 1965mm would dictate an overall vertical dimension of 2040mm (1965mm + 75mm), equating to exactly 17 x 120mm boards, thereby allowing use of a full board above the head. Ref. drawings #NW-H010, #NW-H012C.

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

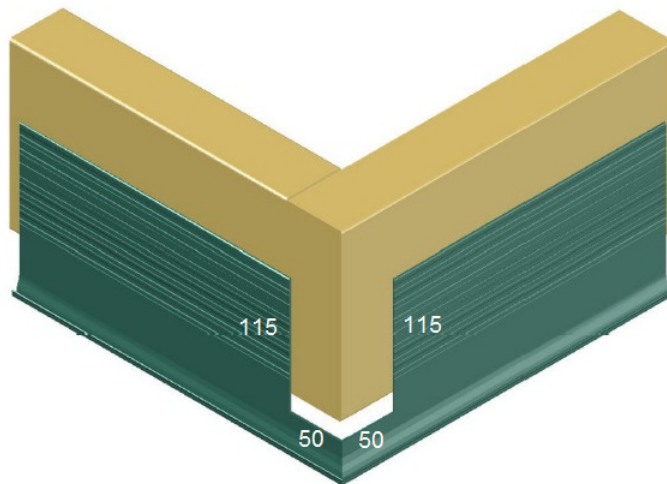


Note 2: The position of the NC101 Starter Strip can be set as much as 50mm lower to assist in achieving optimum set-out. Ensure that ground clearance is maintained.

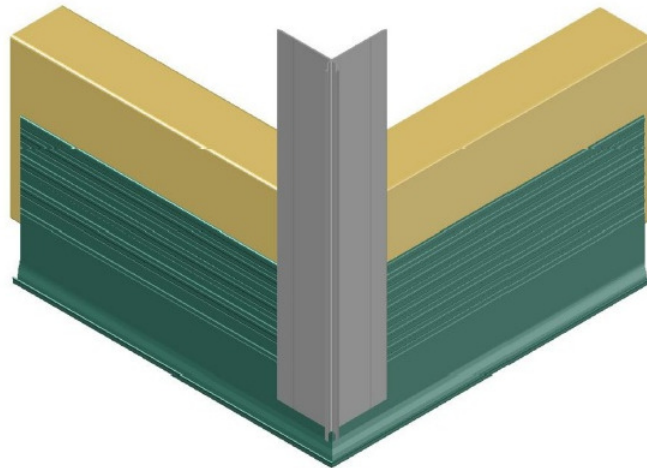
An alternative is to use the NC134 Base Channel at the bottom of the cladding; this enables a longitudinally ripped board to be used to start the cladding.

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

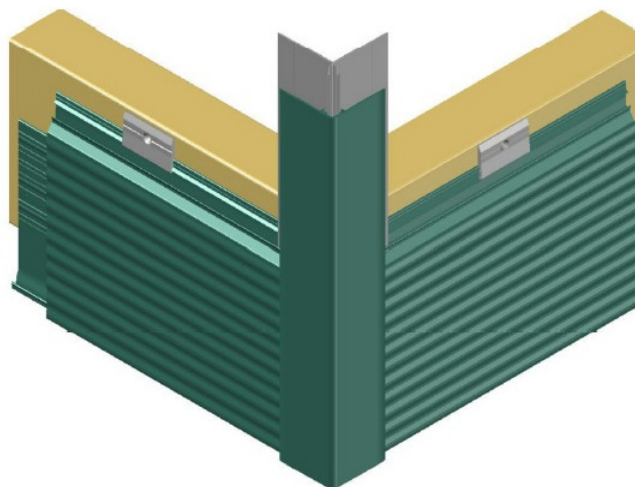
1. Cut ends of NC101 at 45 degrees. Check out upstand on both ends; 115mm high x 50mm wide. Fit NC101 to achieve mitred corner as shown.



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

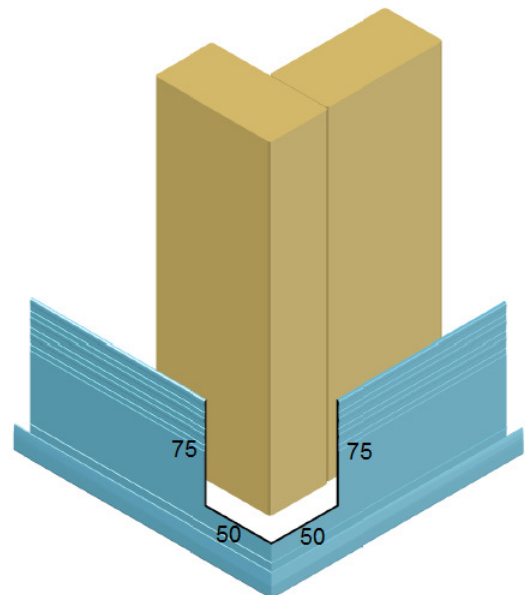


3. After cladding boards have been fitted, measure and cut NC107X to finish level with bottom of boards. Fit NC107X.

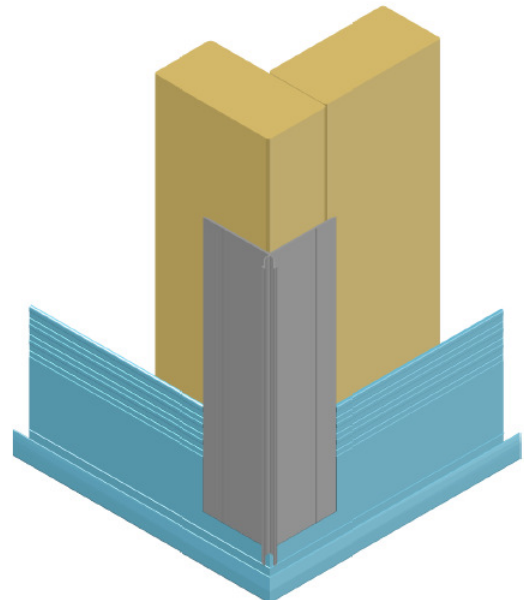


NW-S003 Starter strip mitred corner - to give improved aesthetic when visible from below

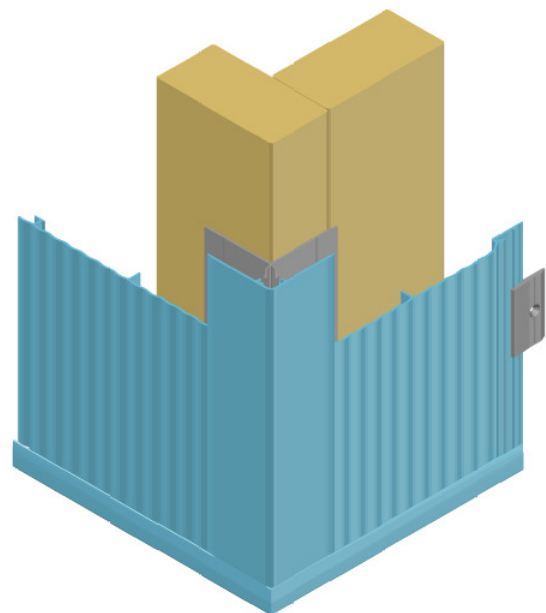
1. Cut ends of NC134 at 45 degrees. Check out rear upstand on both ends; 75mm high x 50mm wide. Fit NC134 to achieve mitred corner as shown.

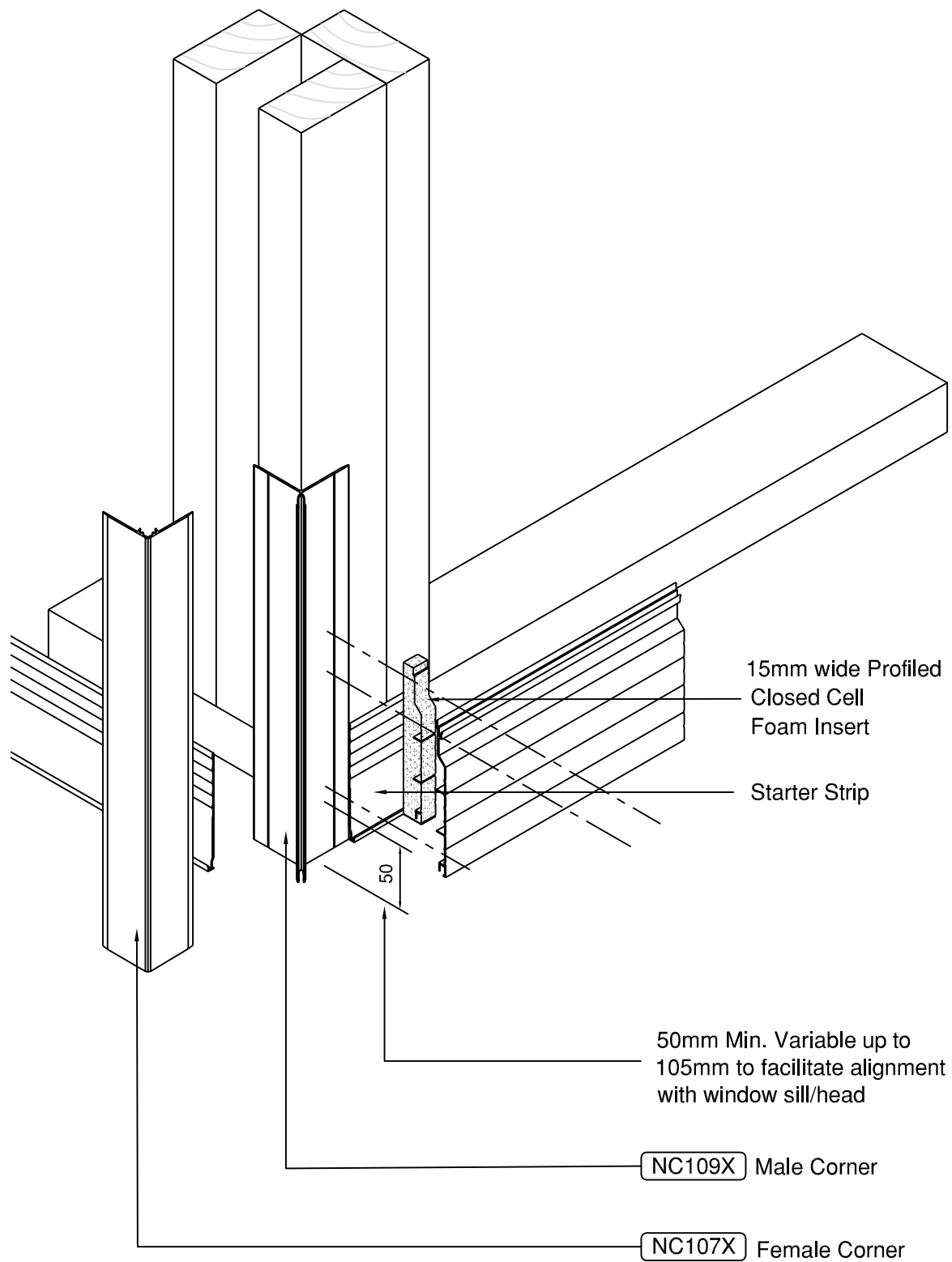


2. Fit NC109X into space created by checking out upstands. Ensure no overlapping occurs.

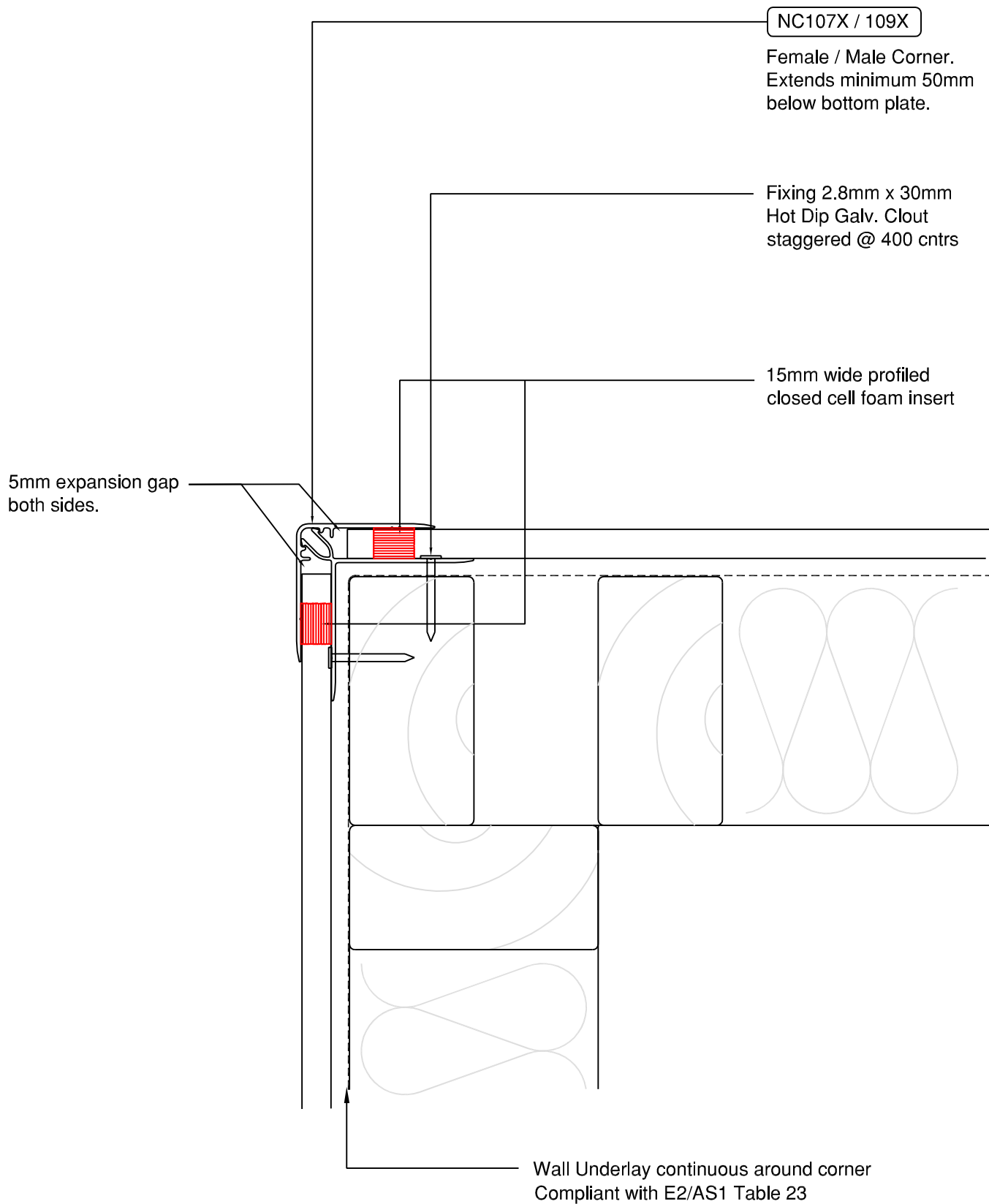


3. After cladding boards have been fitted, measure and cut NC107X to finish above front upstand of NC134 as shown. Fit NC107X.

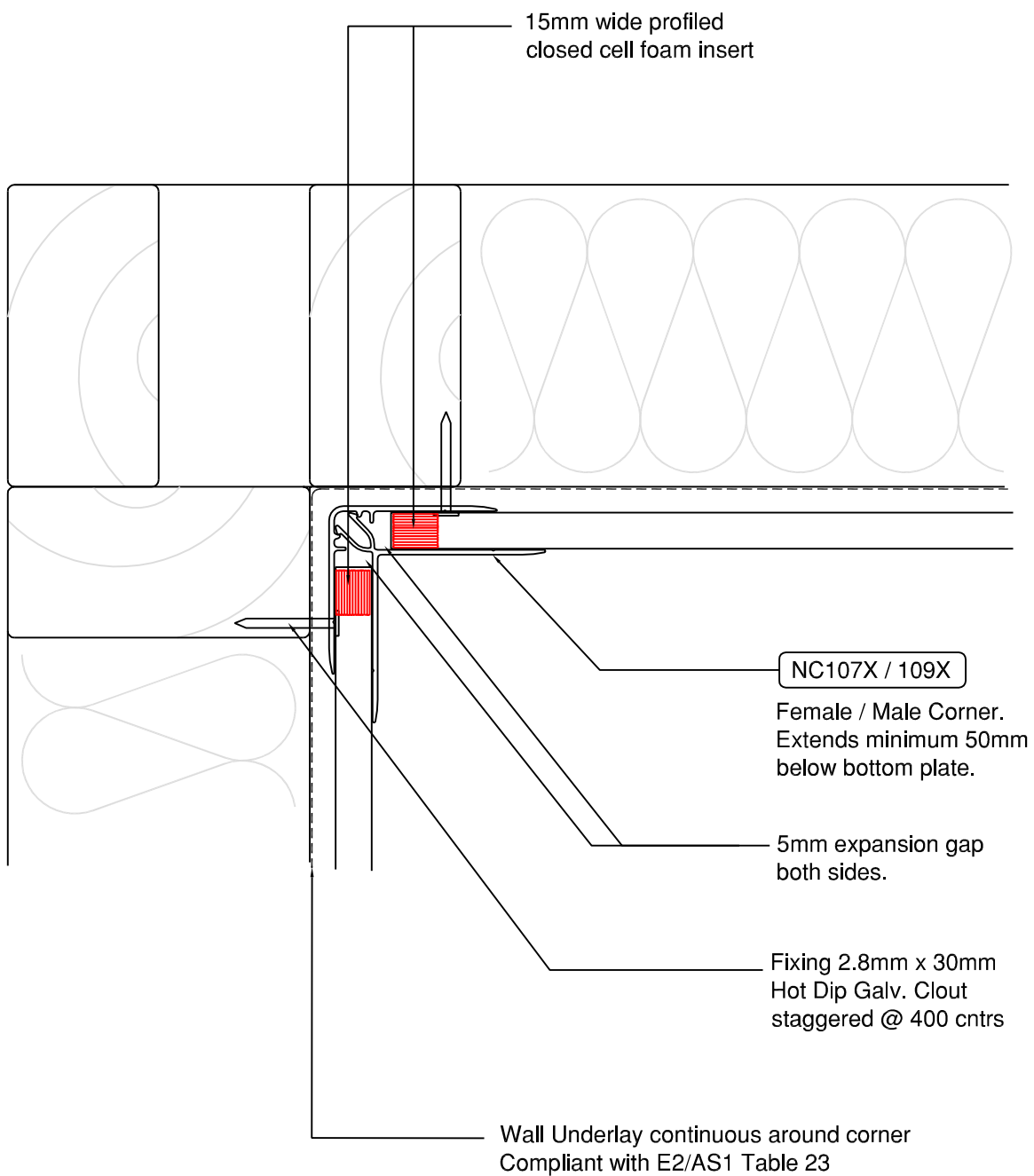




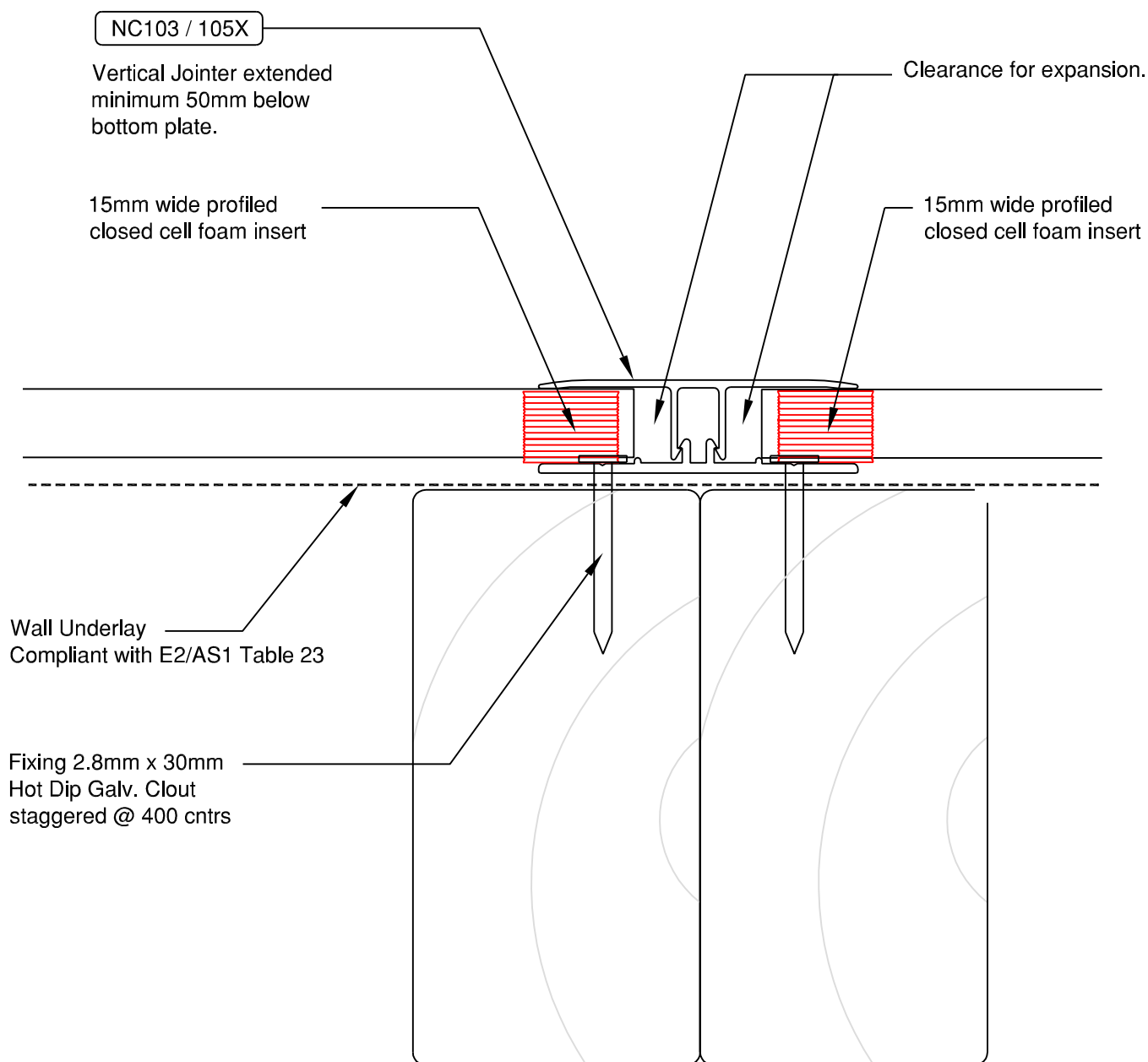
NW-H004 - Horizontal Cladding ; Direct Fix - Starter Strip & Corner Isometric
Scale NTS



NW-H005 - Horizontal Cladding ; Direct Fix 90° External Corner
Scale 1:2



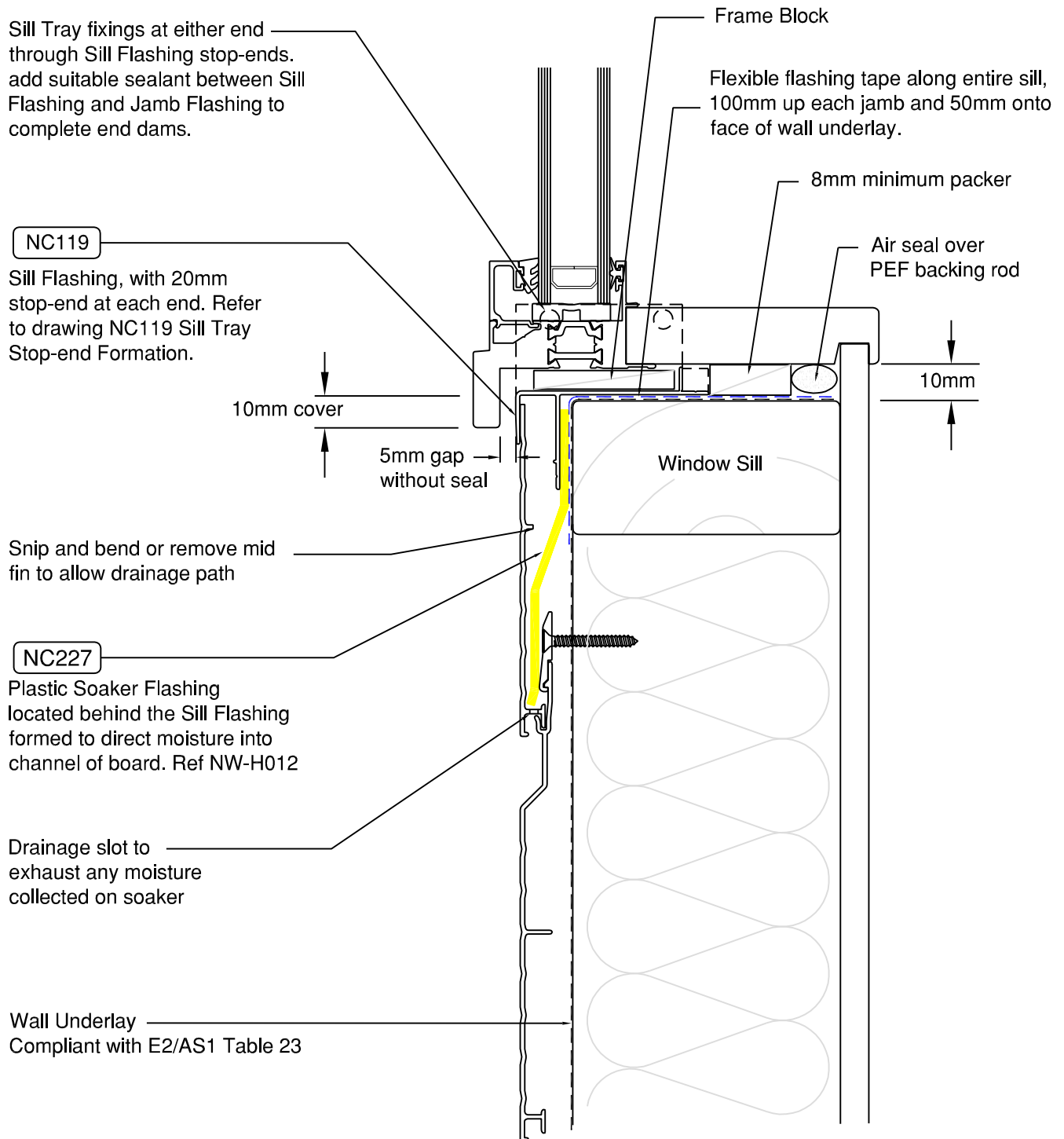
NW-H006 - Horizontal Cladding ; Direct Fix - 90° Internal Corner
Scale 1:2



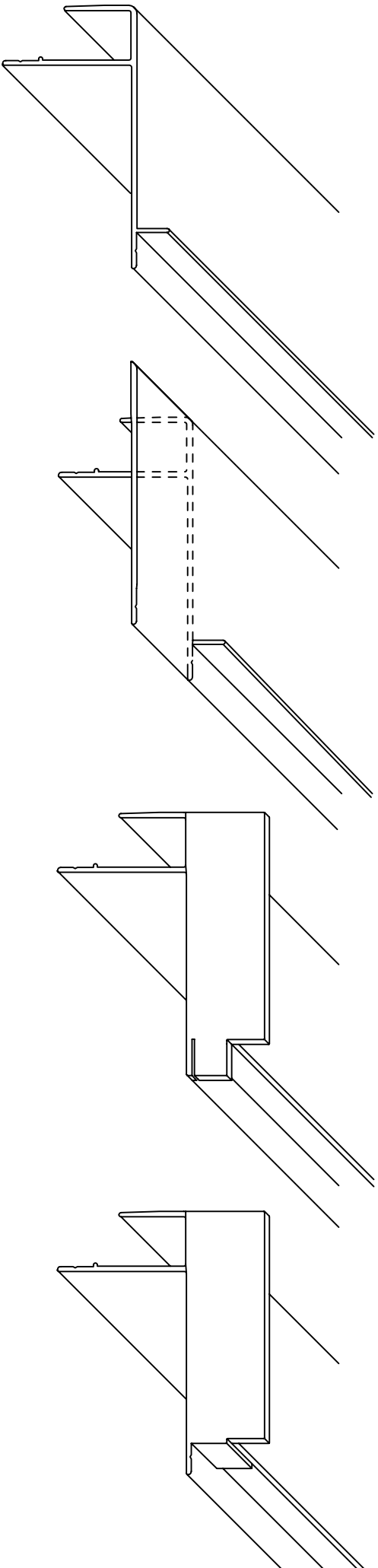
NW-H007 - Horizontal Cladding ; Direct Fix - Vertical Joint
Scale 1:1

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 Sill Tray 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-H008 - Horizontal Cladding ; Direct Fix - Window Sill
Scale 1:2

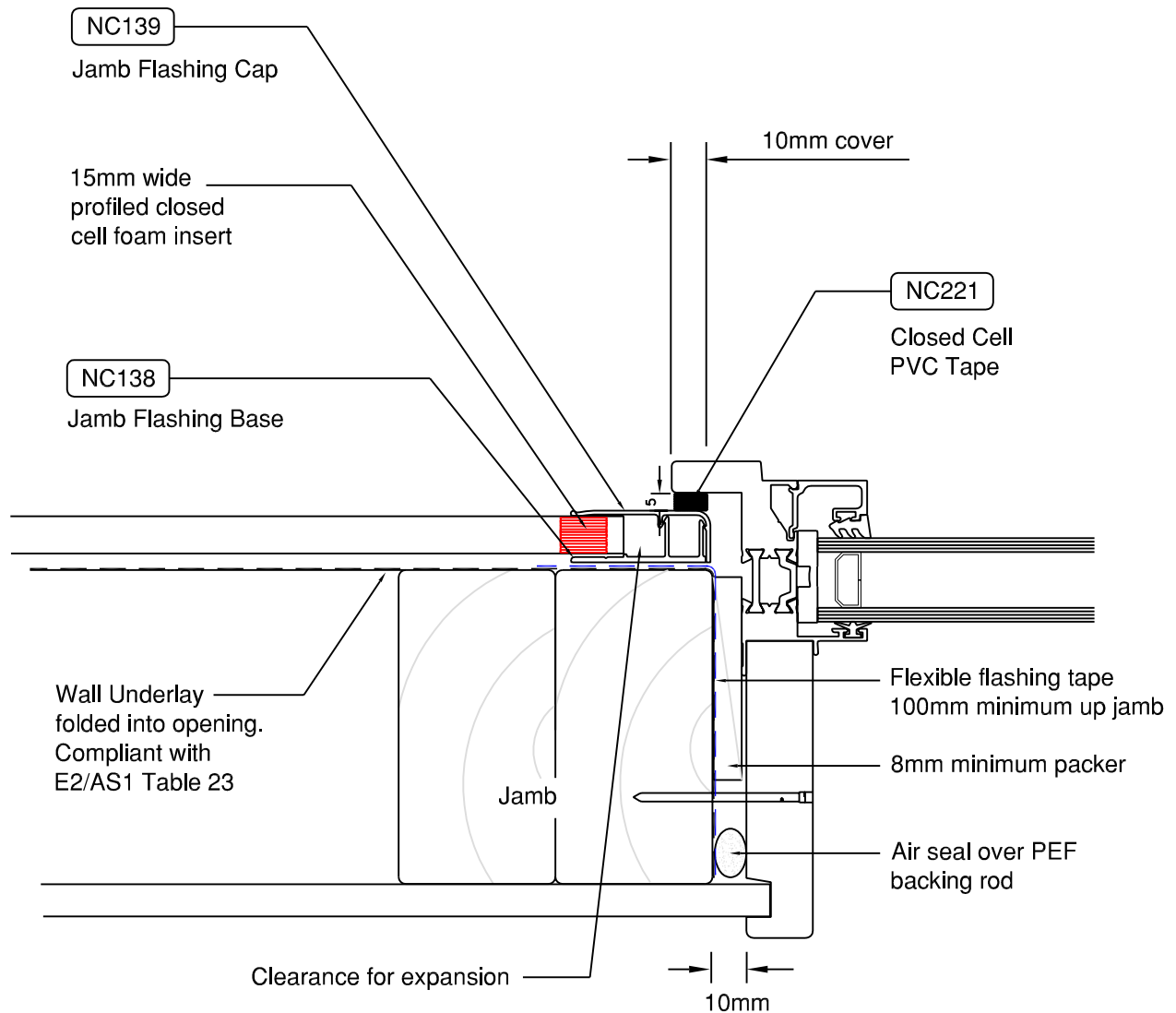


Cut back lower legs and
upstand of profile 20mm.

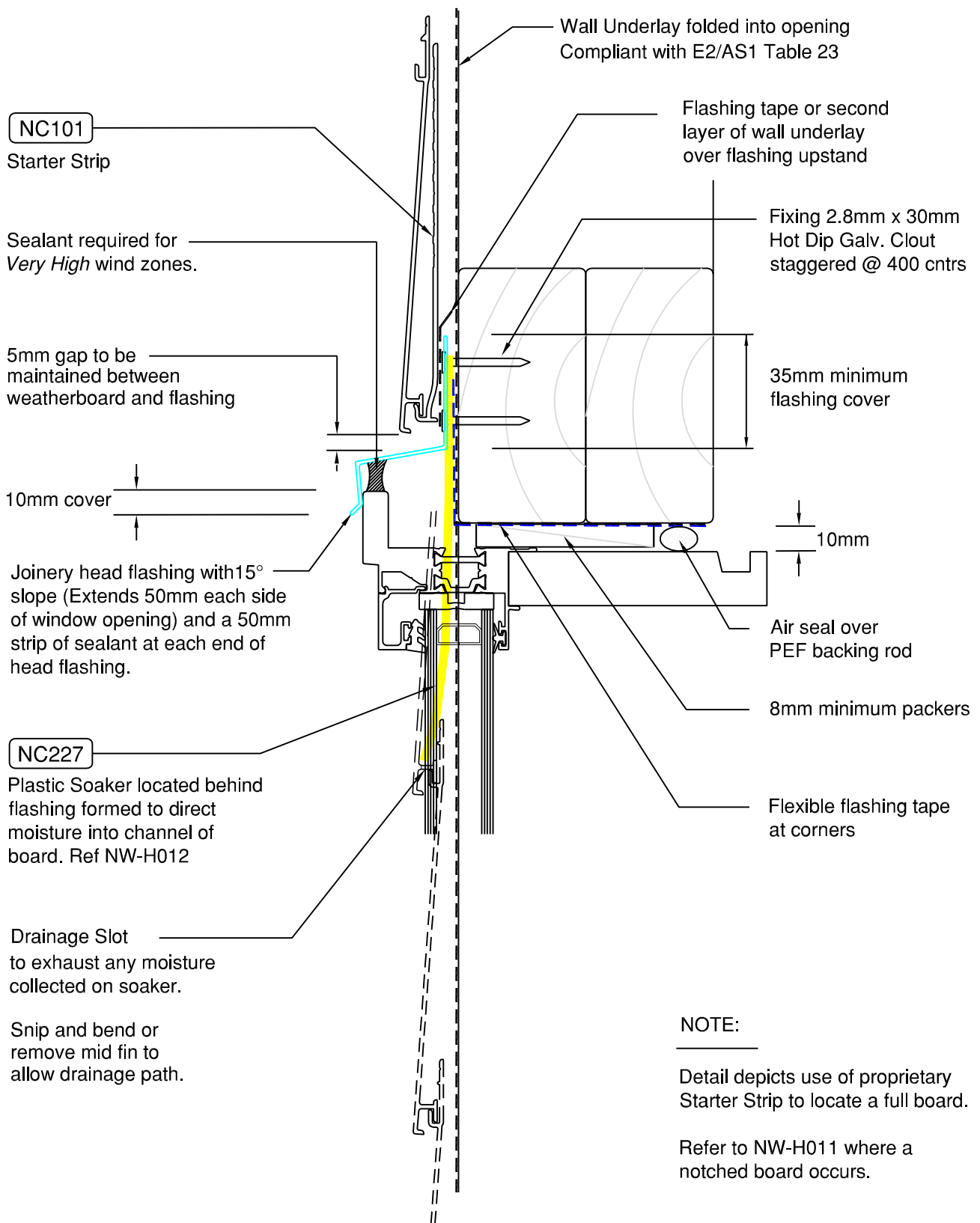
Fold up to form stopend.
Notch corner to the height
of the upstand and cut
along to the base of
upstand to form a tab.

Fold the tab around the
upstand. Use suitable
sealant both sides of tab and
upstand.

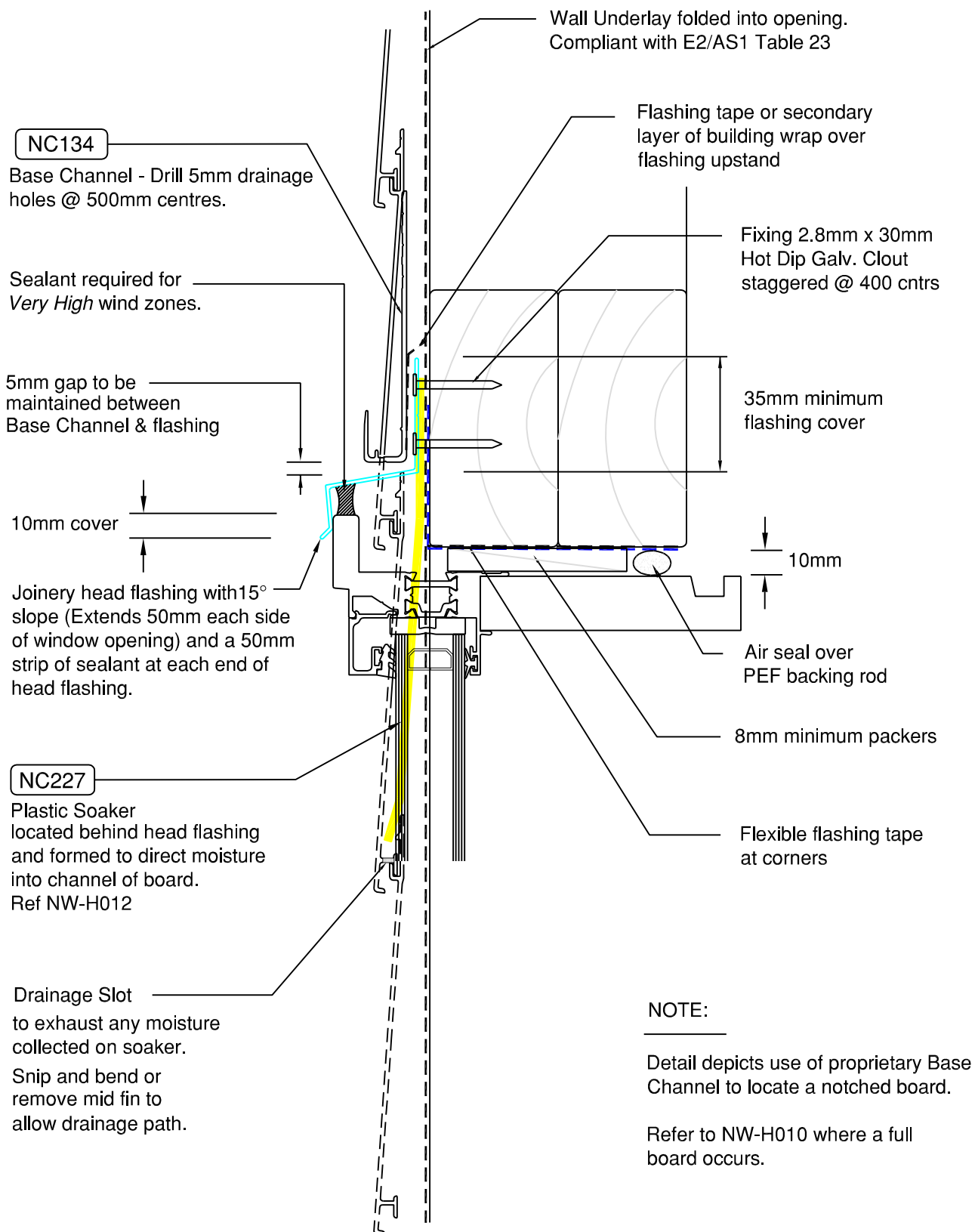
NW-S001 - NC119 Sill Flashing Stop-end Formation Scale NTS



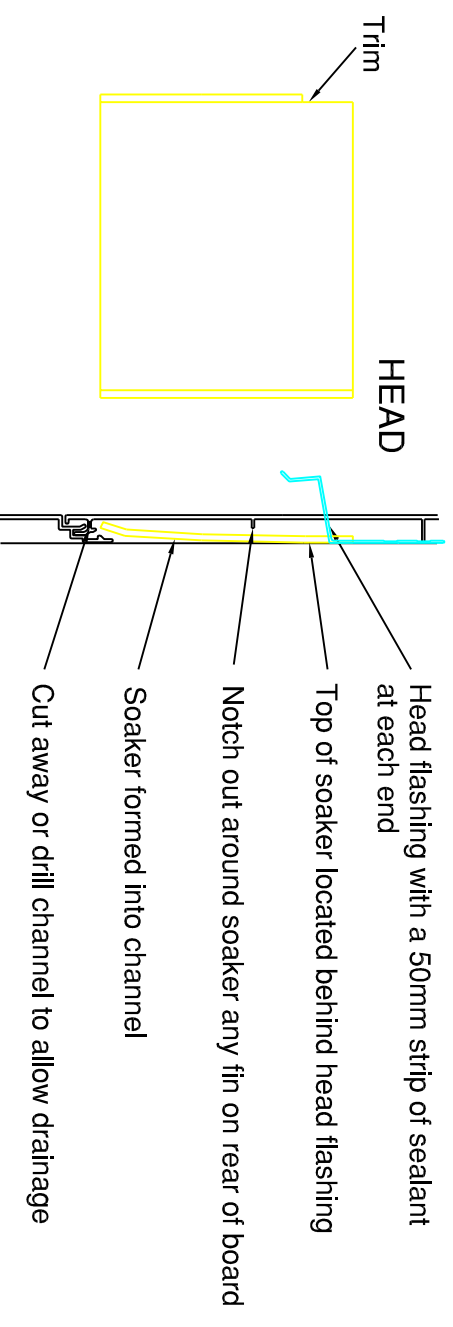
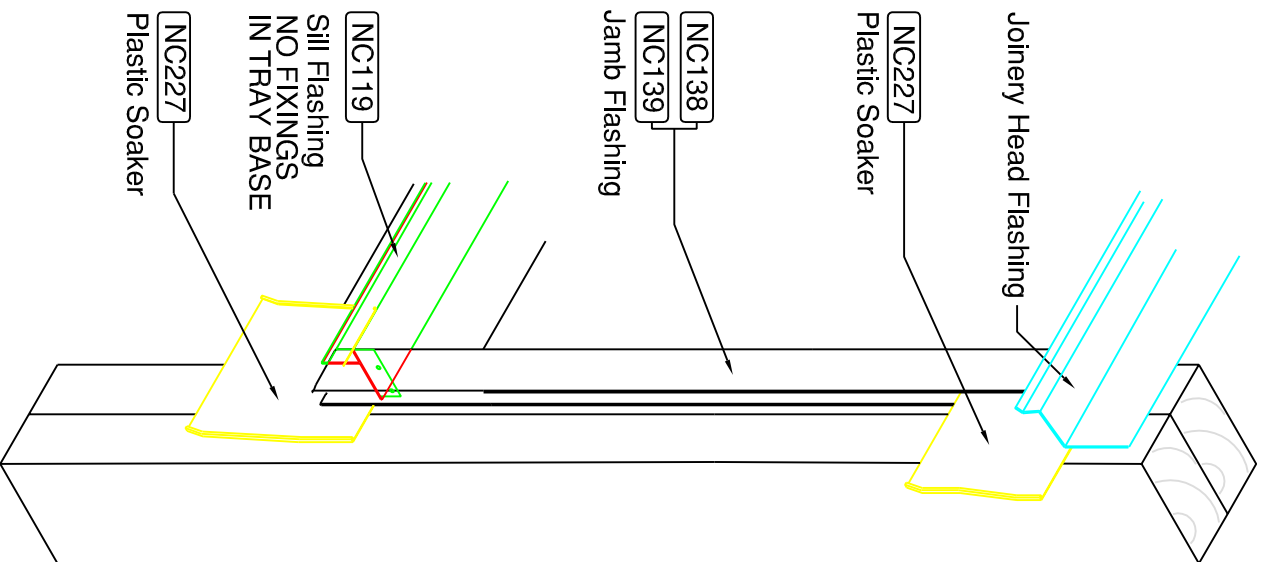
NW-H009 - Horizontal Cladding ; Direct Fix - Window Jamb
Scale 1:2



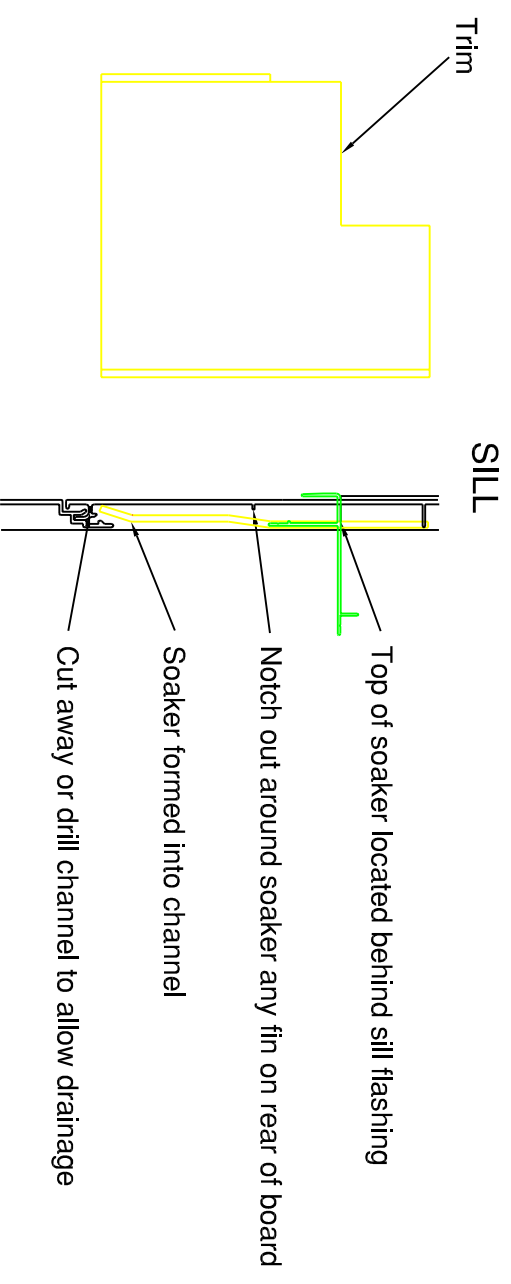
NW-H010 - Horizontal Cladding ; Direct Fix - Window Head - Full Board
Scale 1:2



NW-H011 - Horizontal Cladding ; Direct Fix - Window Head - Notched Board
Scale 1:2

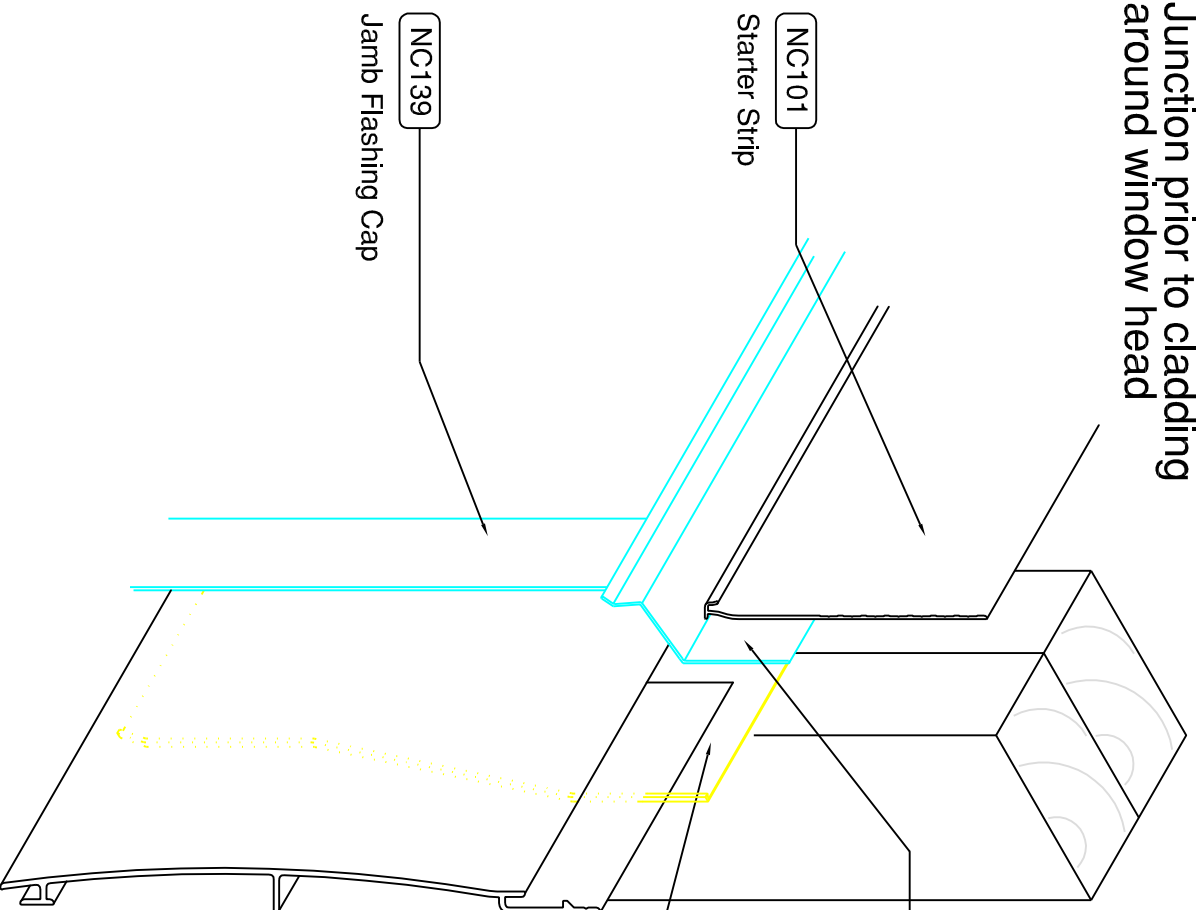


1. Cut plastic soaker initially to approximate length-allow sufficient to fit top corner behind head flashing or jamb flashing base, and to lap over fixing tongue of cladding board at bottom.
2. Trim as shown then fit into place.
3. Cut to finished length required to provide drainage path into channel.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

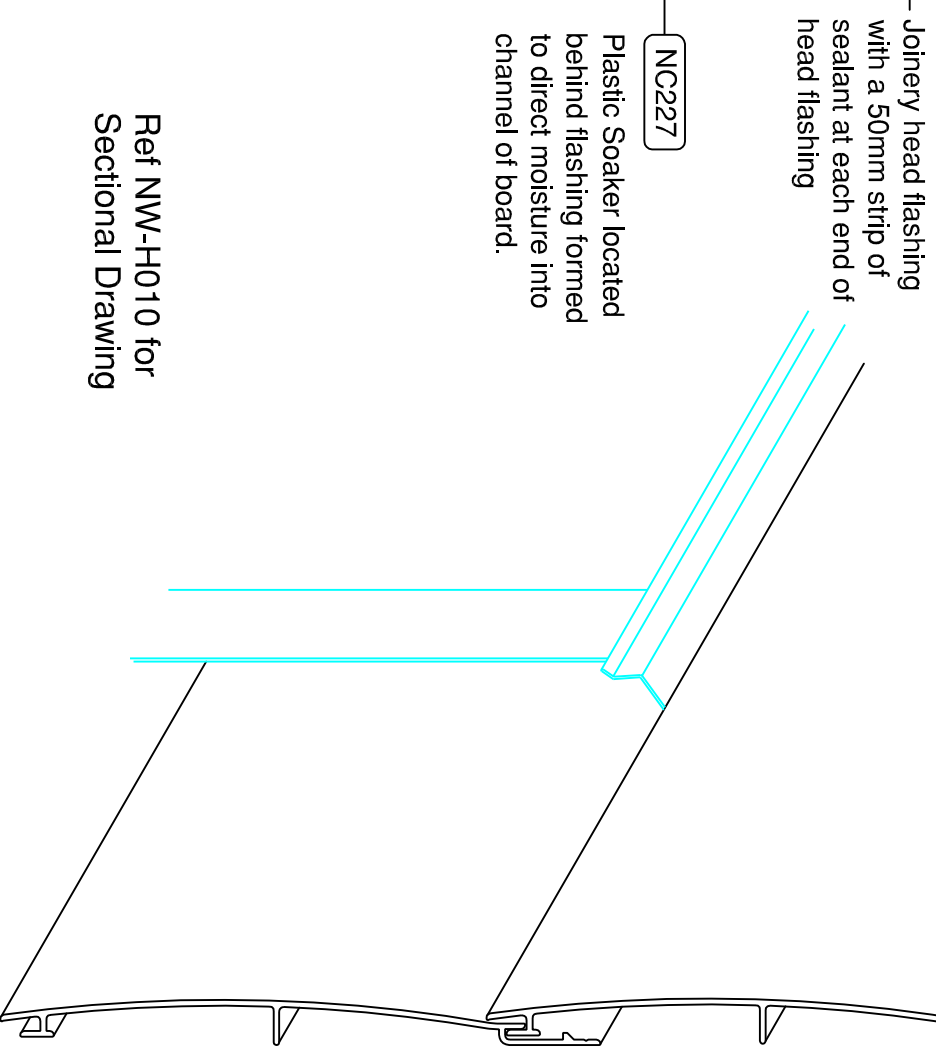


NW-H012- Horizontal Cladding ; Direct Fix - Window Head & Sill Soaker Detail Scale NTS

Junction prior to cladding
around window head



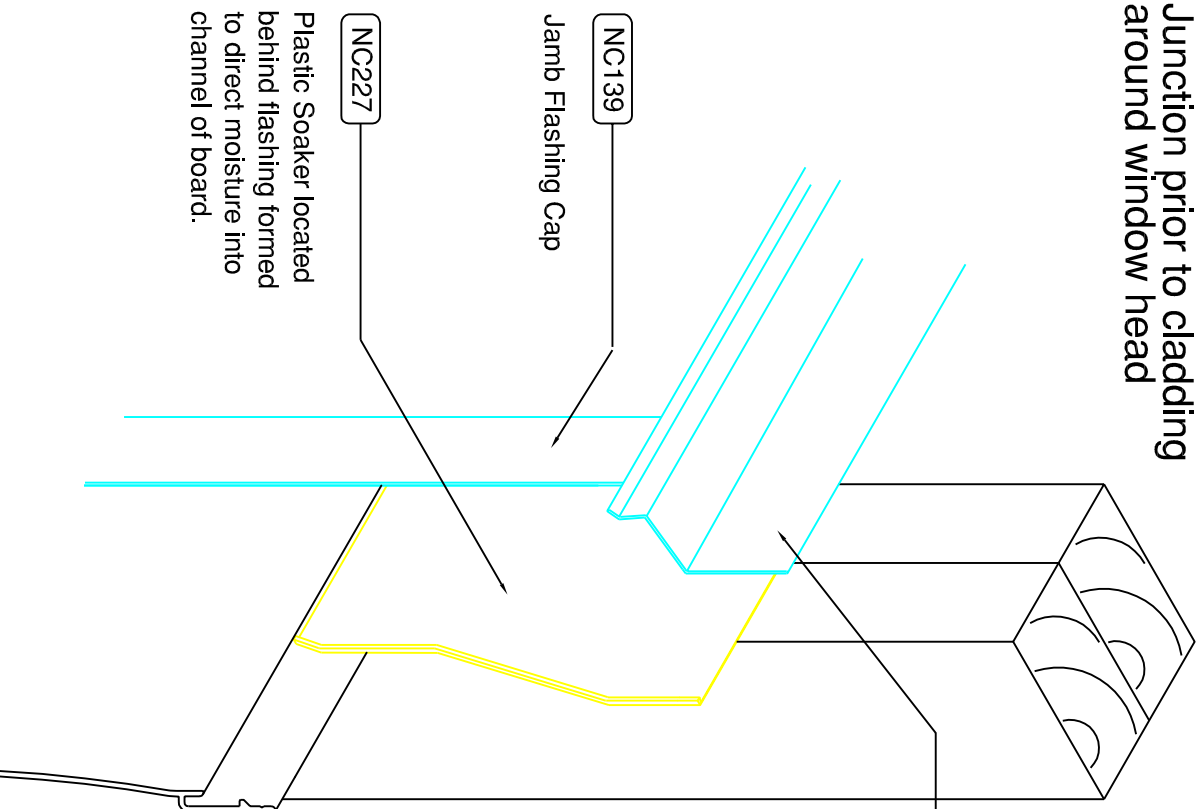
Junction after cladding
around window head



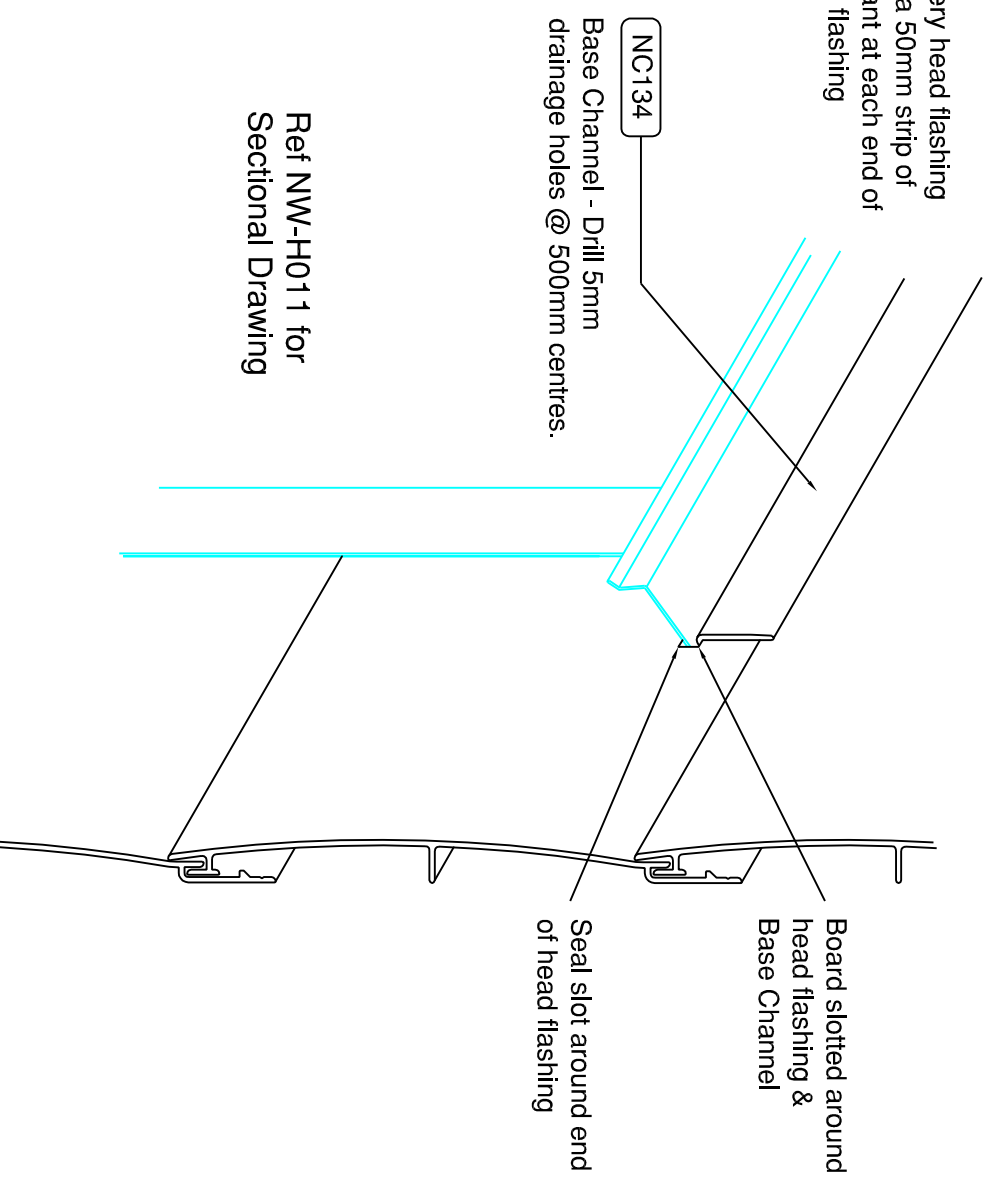
Ref NW-H010 for
Sectional Drawing

NW-H013 - Horizontal Cladding ; Direct Fix - Head Flashing End Detail - Full Board
Scale NTS

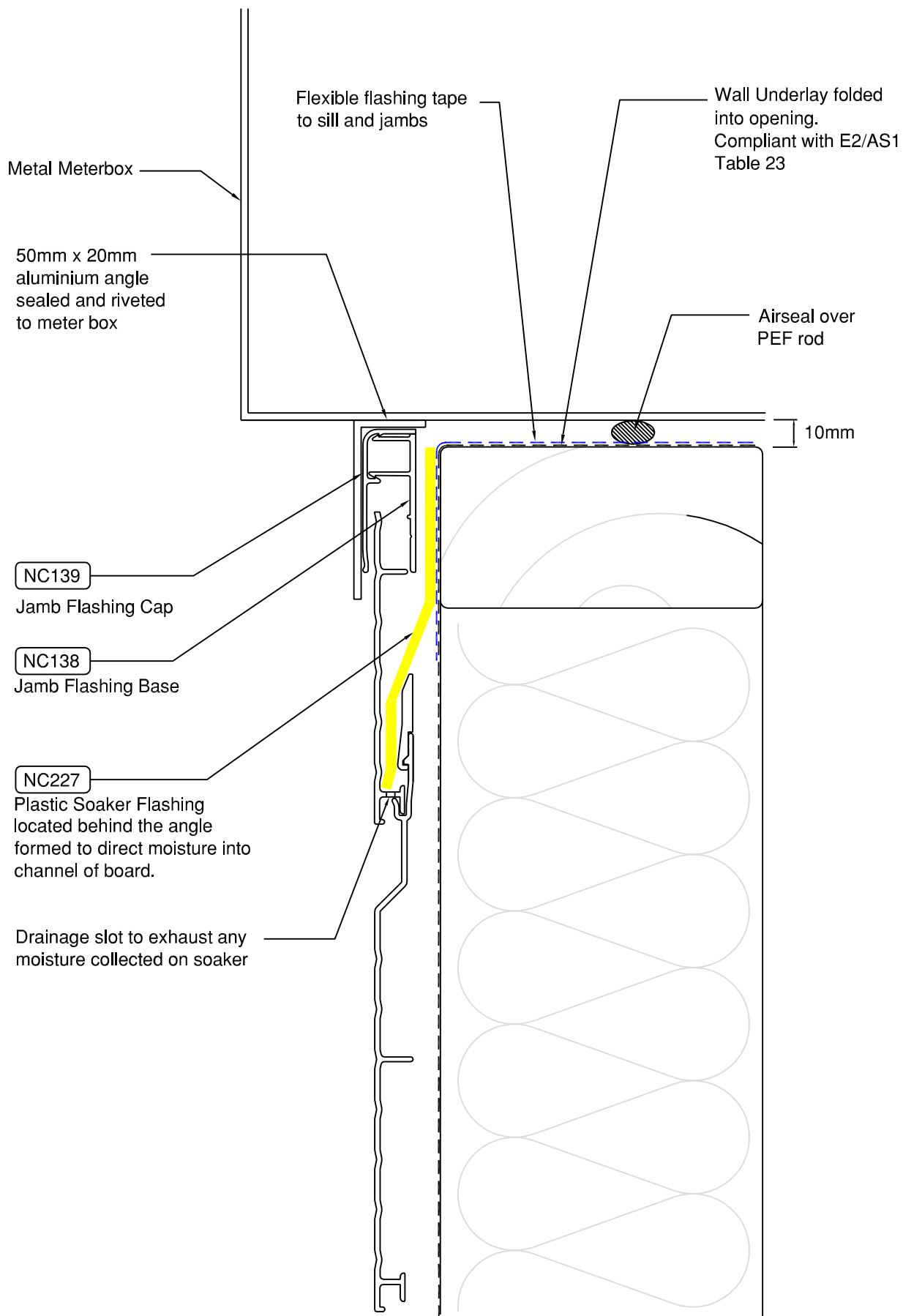
Junction prior to cladding
around window head



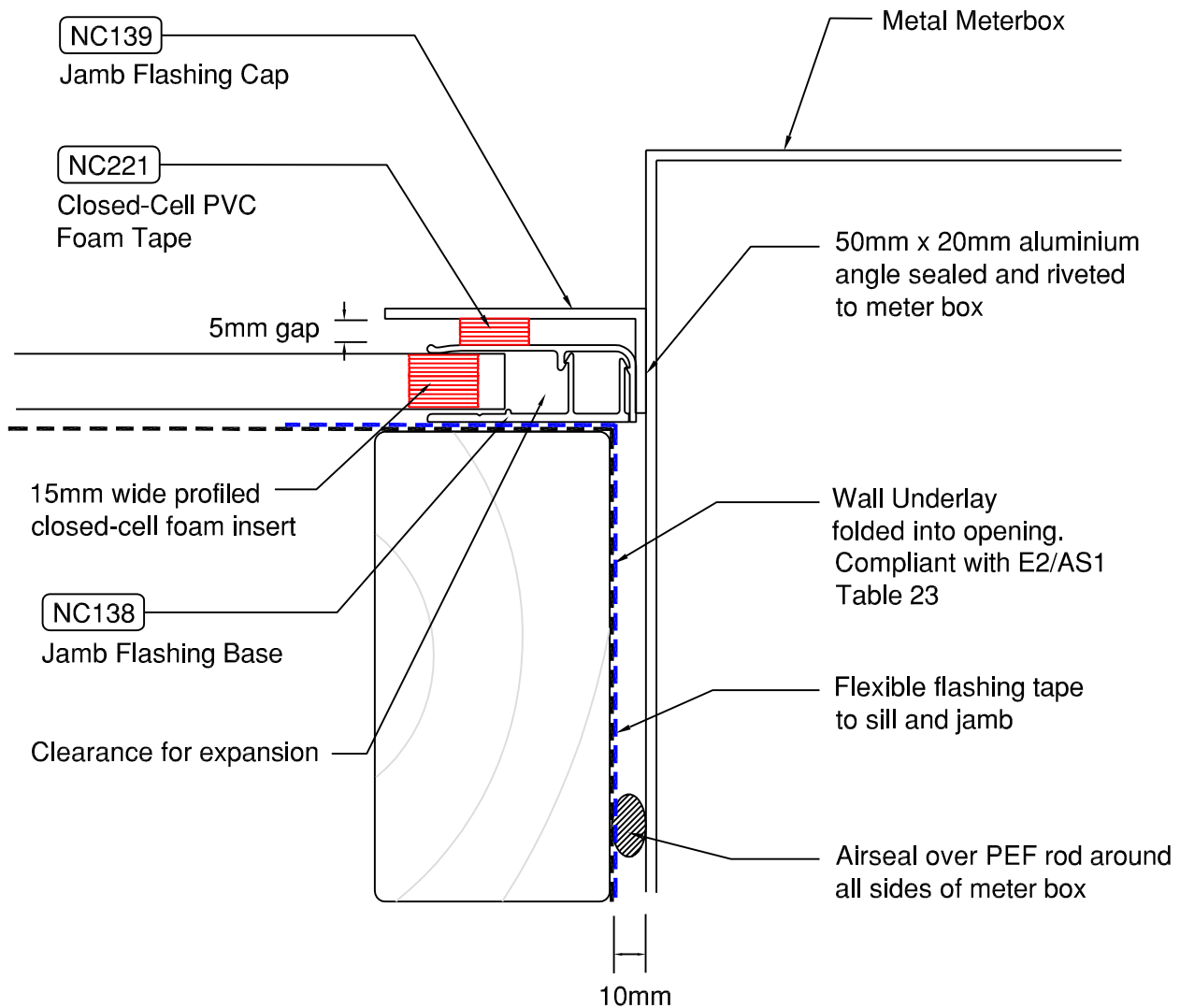
Junction after cladding
around window head



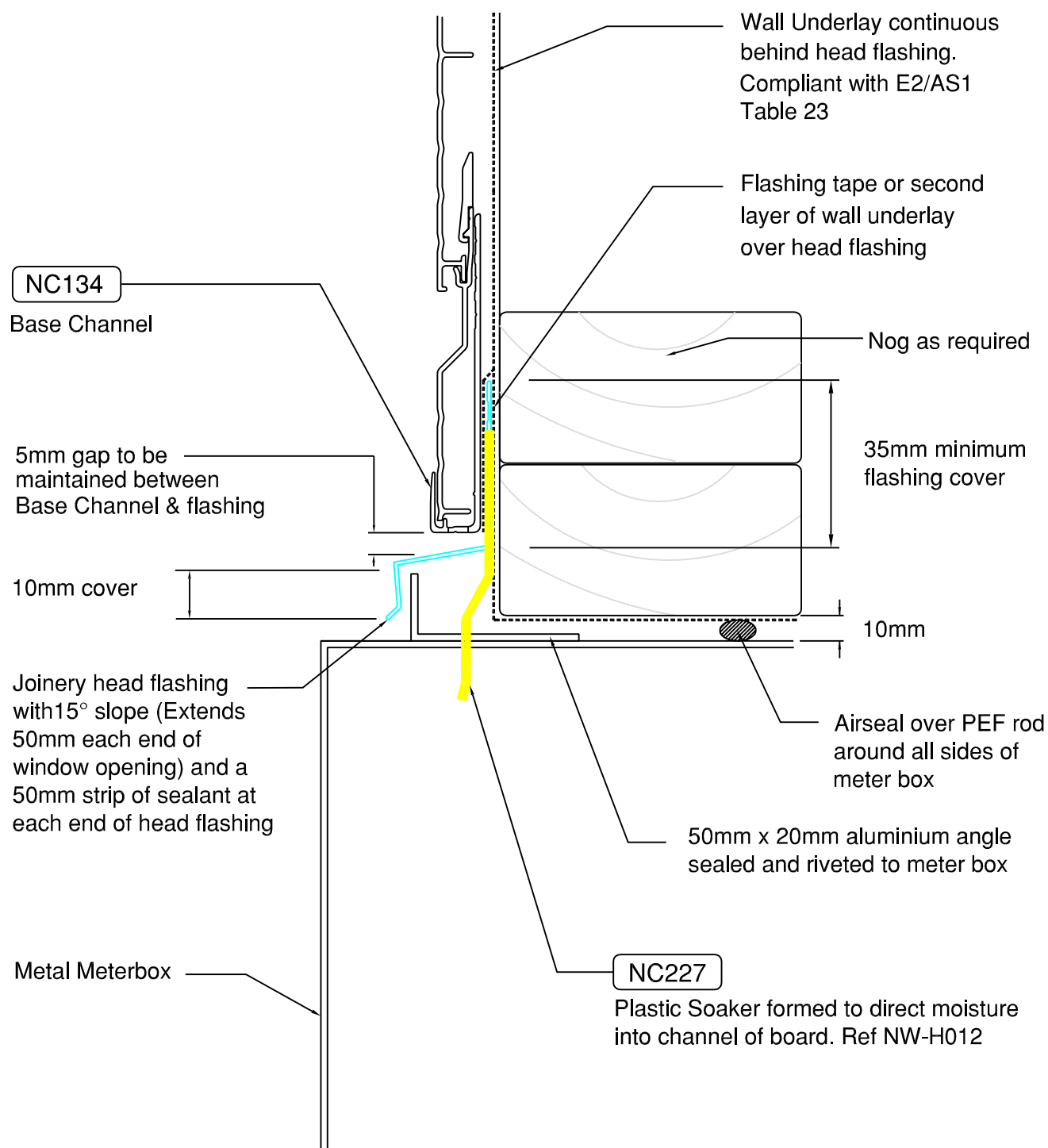
NW-H014 - Horizontal Cladding ; Direct Fix - Head Flashing End Detail - Notched Board
Scale NTS



NW-H015 - Horizontal Cladding ; Direct Fix - Meter Box Sill Detail
Scale NTS



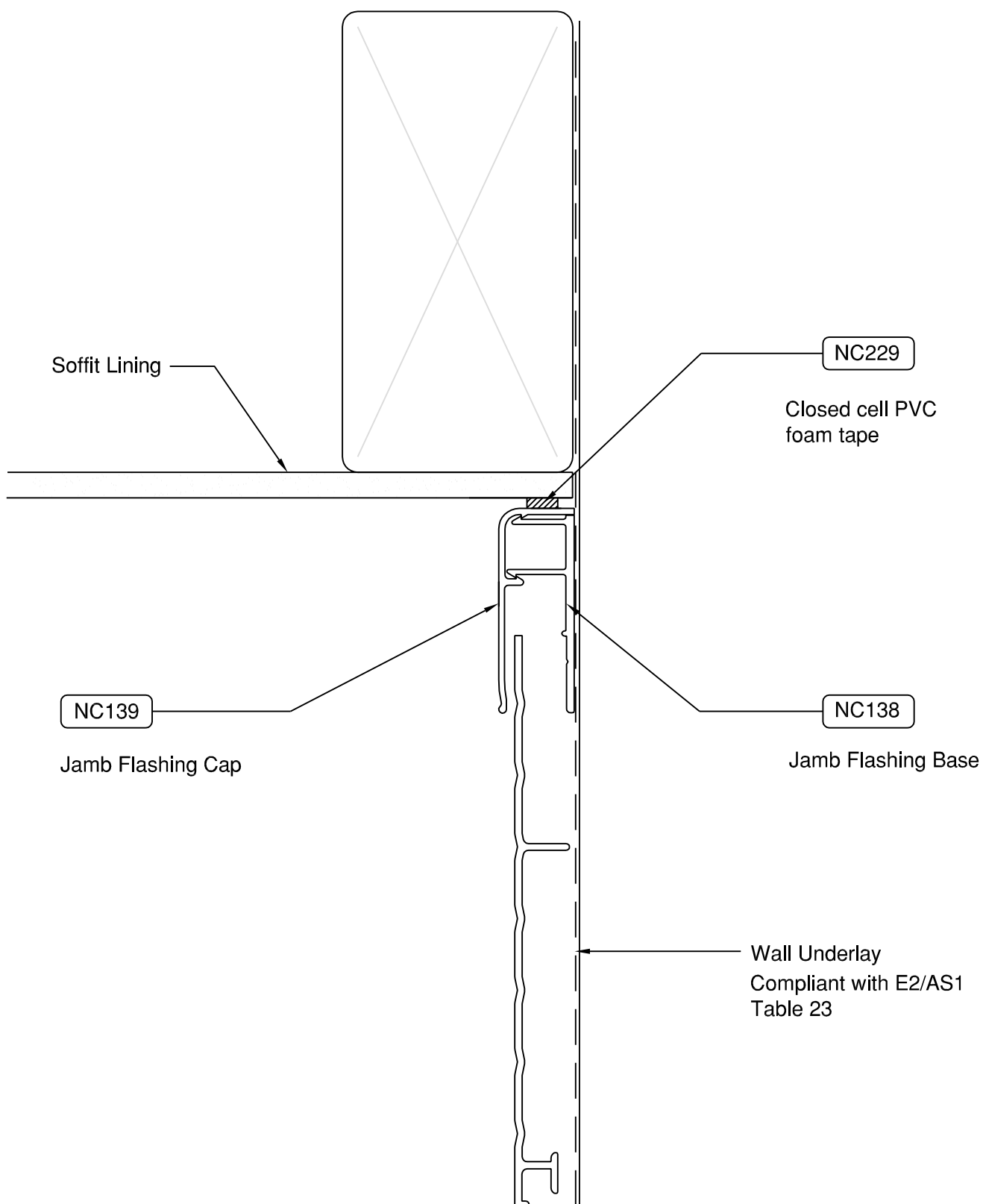
NW-H016 - Horizontal Cladding ; Direct Fix - Meter Box Jamb Detail
Scale NTS



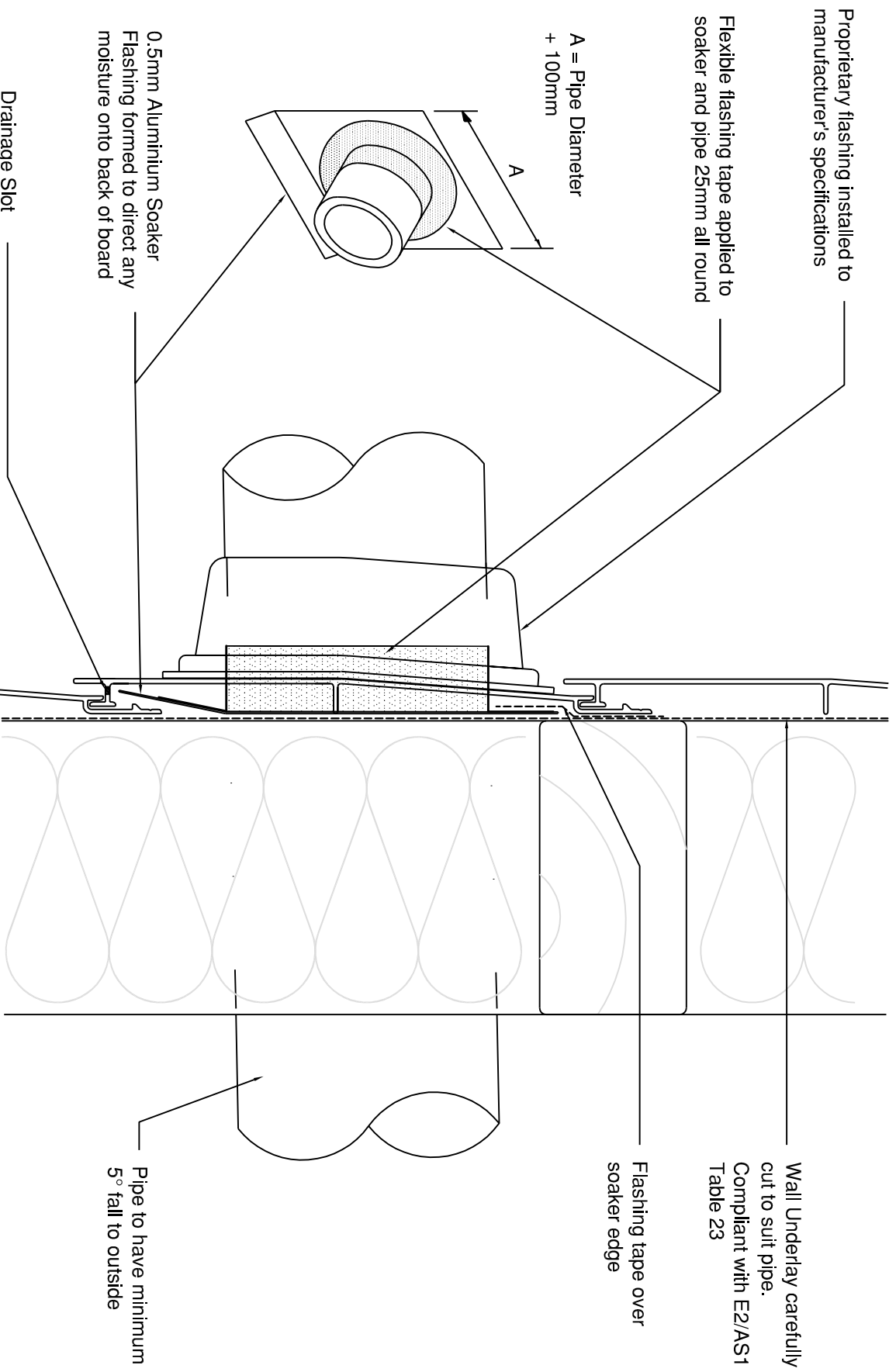
NOTE:

Detail depicts use of punched Base Channel to locate notched board. Where full board occurs detail as per window head. Ref NW-H010

NW-H017 - Horizontal Cladding ; Direct Fix - Meter Box Head Detail
Scale NTS



NW-H018 - Horizontal Cladding ; Direct Fix - Soffit Trim
Scale NTS



NW-H019 - Horizontal Cladding ; Direct Fix - Pipe Penetration Scale NTS

75mm minimum flashing
leg above bottom of
weatherboard

75

Nog as
required

Wall Underlay lapped over
flashing upstand.
Compliant with E2/AS1
Table 23

NC101
Starter Strip

35

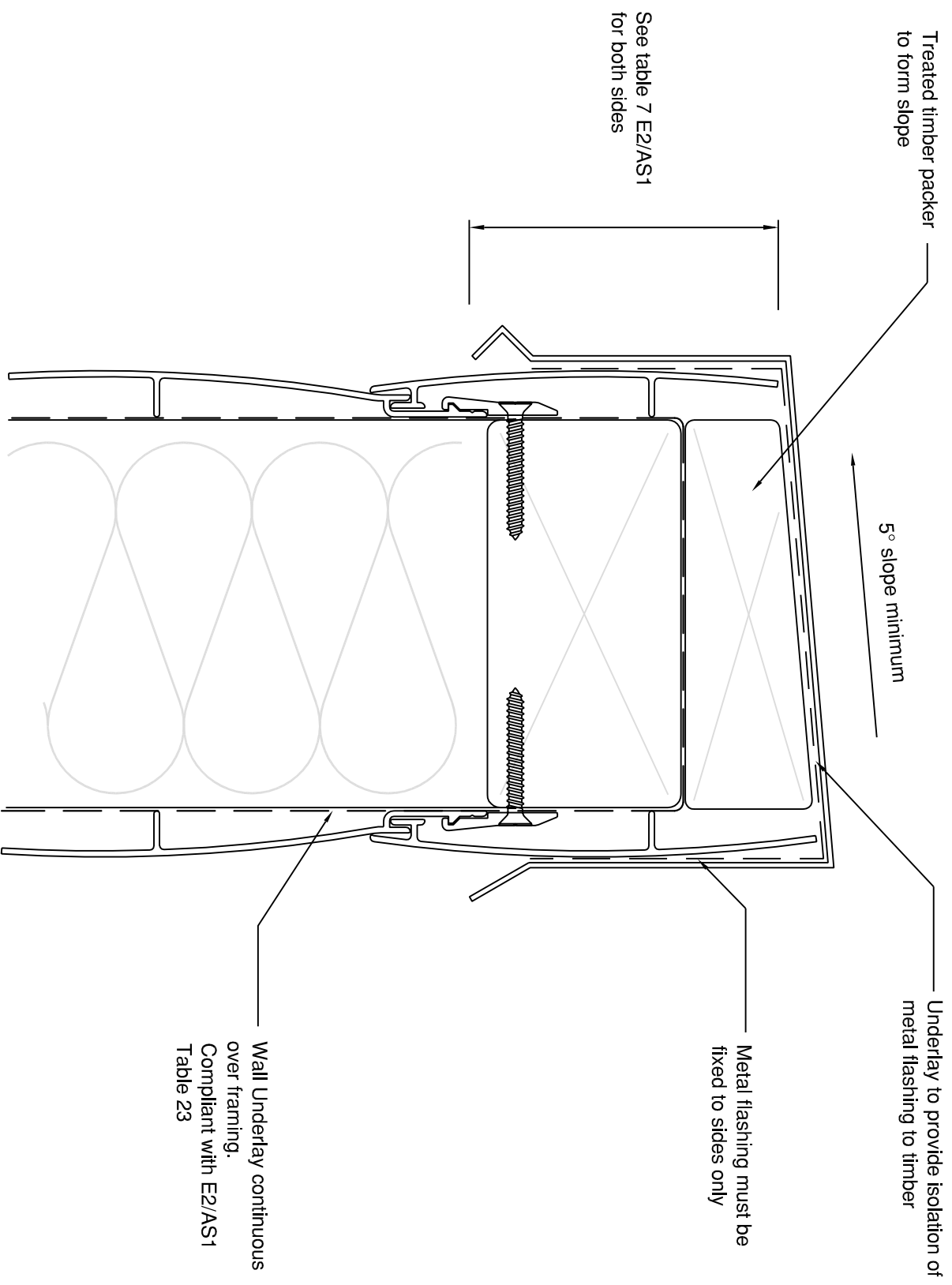
35mm minimum
clear gap

Roof underlay
continued up behind
flashing

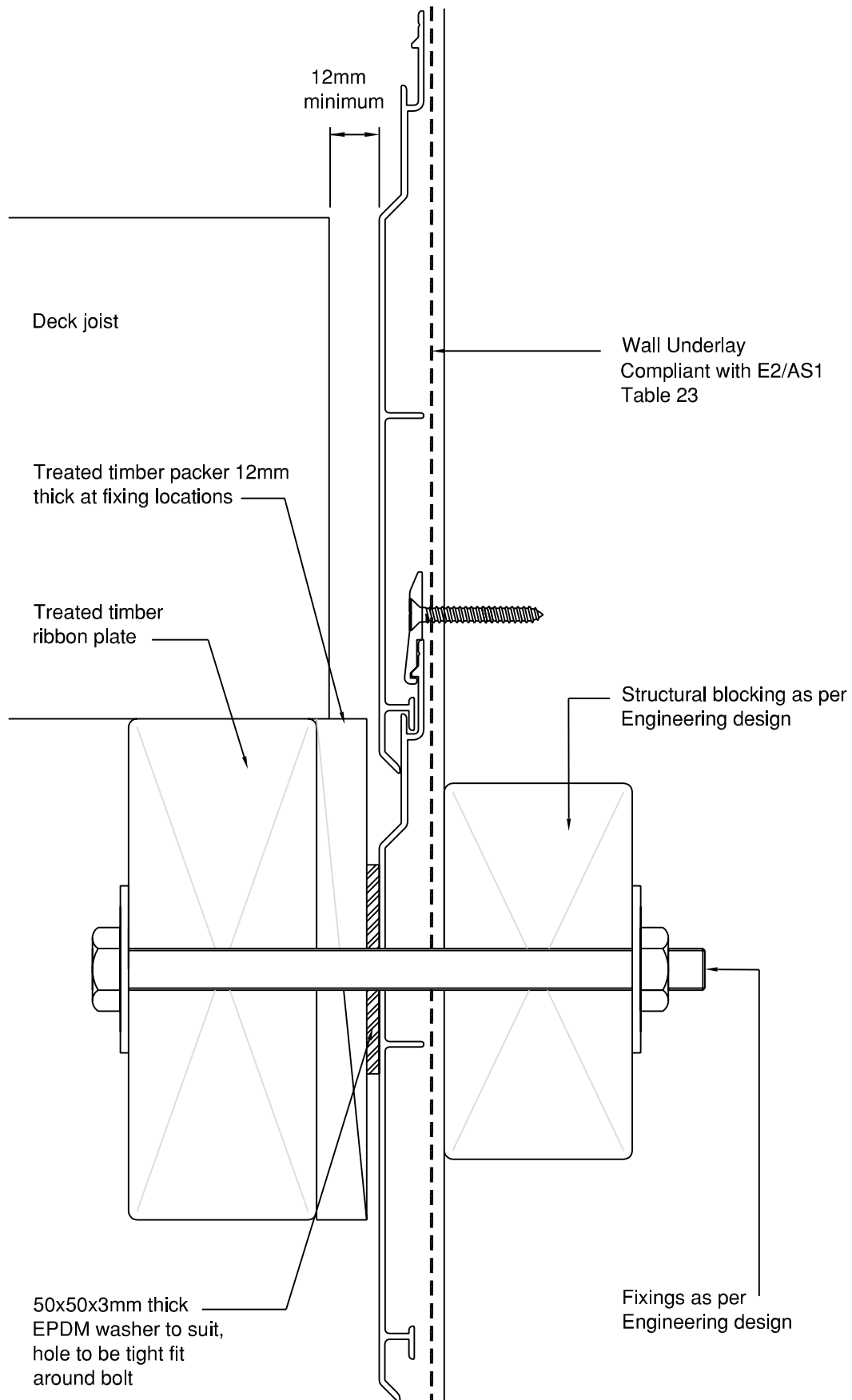
Selected roofing with
stop end

Edge of flashing dressed down or
notched. Refer to NZBC Acceptable
Solution E2/AS1 Table 7 for
flashing cover requirements over
roof and behind cladding.

NW-H020 - Horizontal Cladding ; Direct Fix - Roof / Wall Junction
Scale NTS

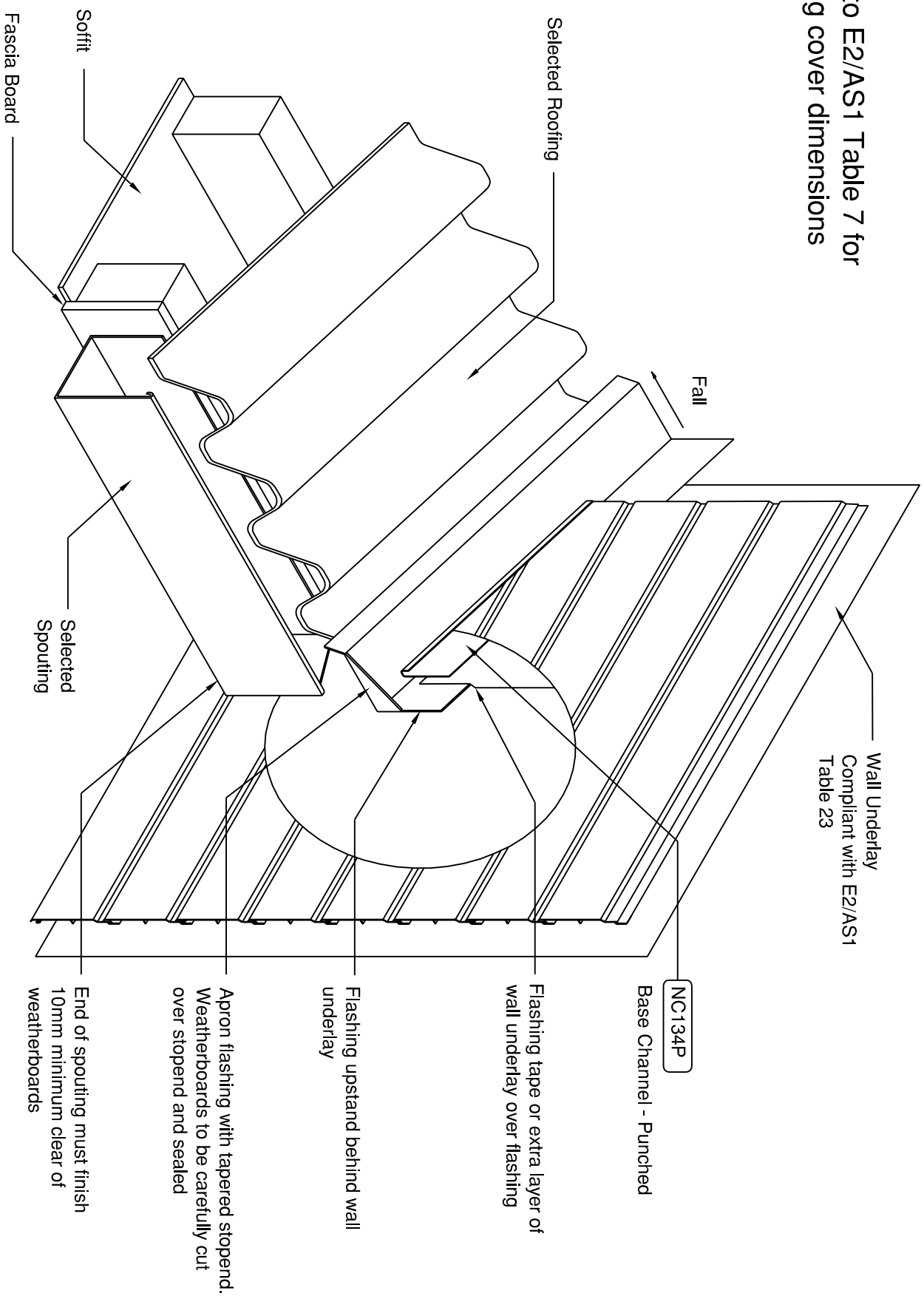


NW-H021 - Horizontal Cladding ; Direct Fix - Parapet Flashing
Scale NTS



NW-H022 - Horizontal Cladding ; Direct Fix - Deck Junction
Scale NTS

Refer to E2/AS1 Table 7 for
flashing cover dimensions



NW-H023 - Horizontal Cladding ; Direct Fix - Gutter / Wall Junction
Scale NTS