INDUSTRY METALS

FLAT LOCK PANEL

SPECIFICATION OF DETAILS

INDUSTRY METALS
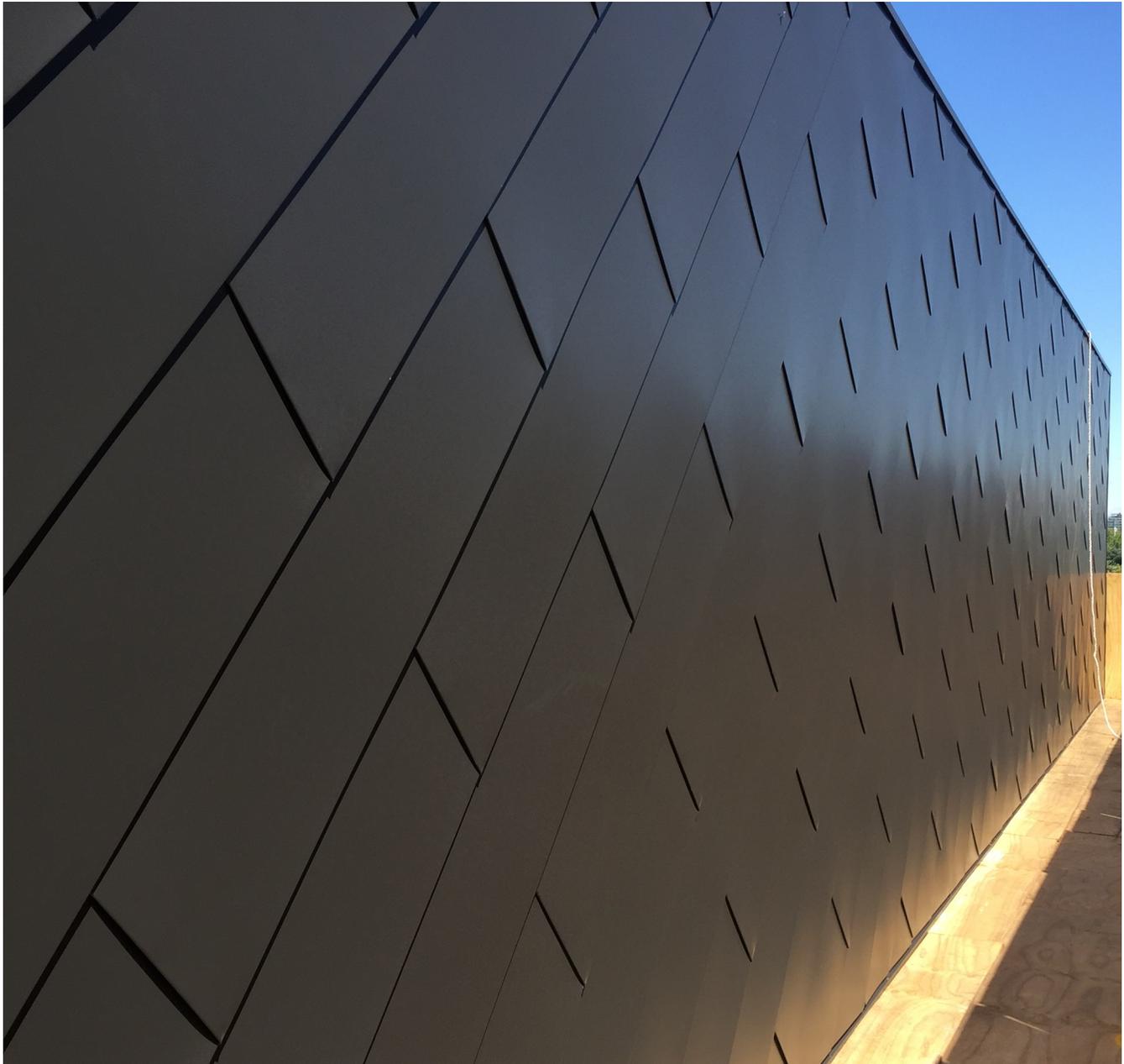
TECHNICAL INFORMATION

CLADDING SYSTEM	Flatlock
CLADDING MATERIAL	Aluminum 0.7/0.8mm Copper 0.7/0.8mm Coated Steel 0.55mm Zinc 0.7/0.8mm
SUPPORT	15mm Plywood/metal trapezoidal profiled sheet.
UNDERLAY	Breathable waterproofing membrane
WALL STRUCTURE	Top hats at 600mm/900mm spacings
PANEL WIDTH	Standard width is 230mm and 330mm. Custom widths available from 230-330mm but pricing isn't as economical as standard widths. Custom widths available from 330-600mm but pricing isn't as economical as standard widths and these width sizes are more susceptible to oil canning.
PANEL LENGTH	Project specific with variable lengths. Please consult us at design stage.

*** PLEASE NOTE: MAIN STRUCTURE AND INSULTATION BY OTHERS**

Not to scale

INDUSTRY METALS

PANEL CONNECTION & CLIPS

TIMBER BLOCKING
GALVANISED STEEL STIFFENER
BREATHABLE WATERPROOFING MEMBRANE
INSULATION BY OTHERS
15/35 BATTEN/TOP HAT
15MM PLYWOOD SHEETING OR SPANDEK
PARAPET CAPPING
FLAT LOCK PANEL
GALVANISED STEEL FIXING CLIP
GALVANISED STEEL STIFFENER

RECESSED JOINT   **OVERLAPPED JOINT**

60
88
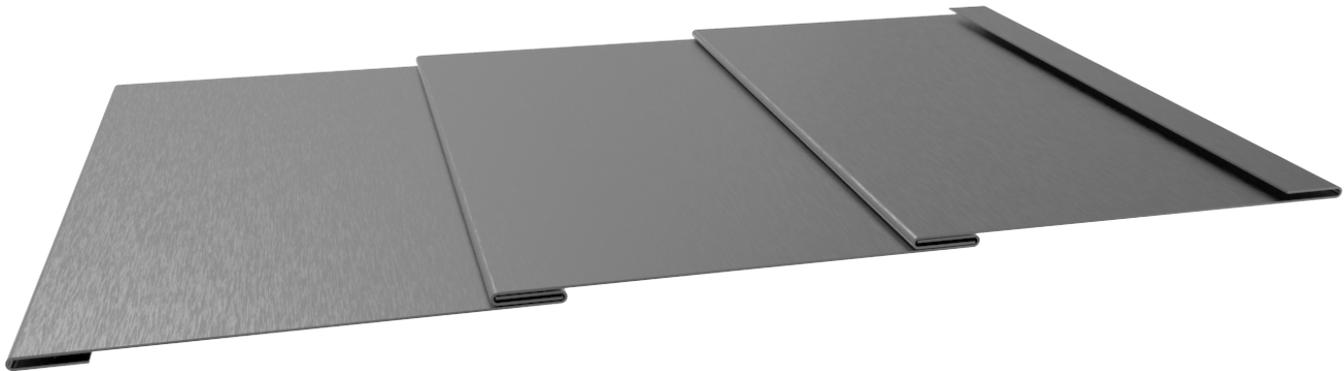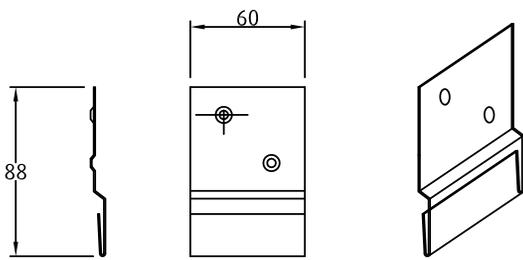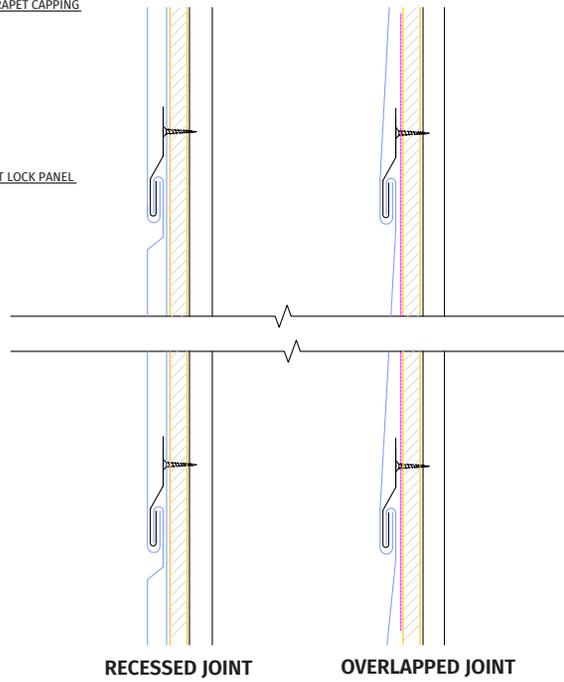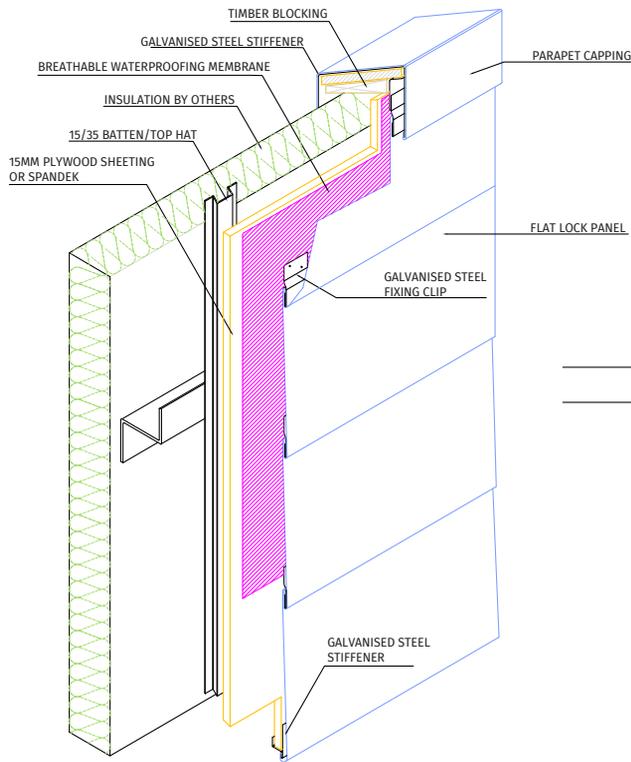
STAINLESS STEEL FIXING CLIP

280
88
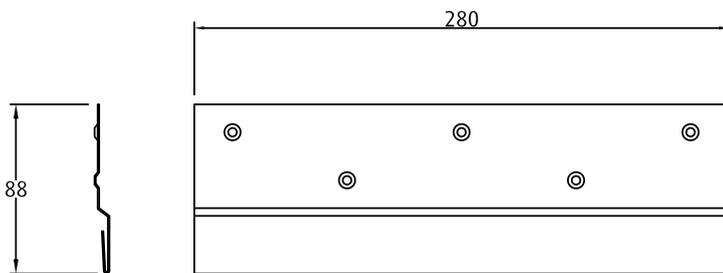
STAINLESS STEEL SHEET CLIP
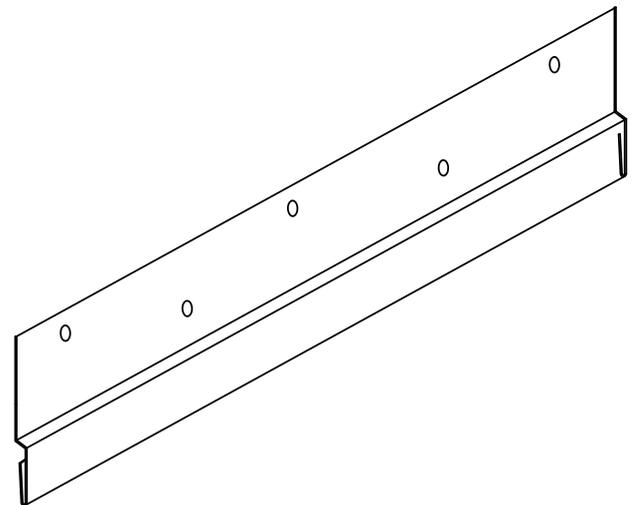
FLAT LOCK PANEL
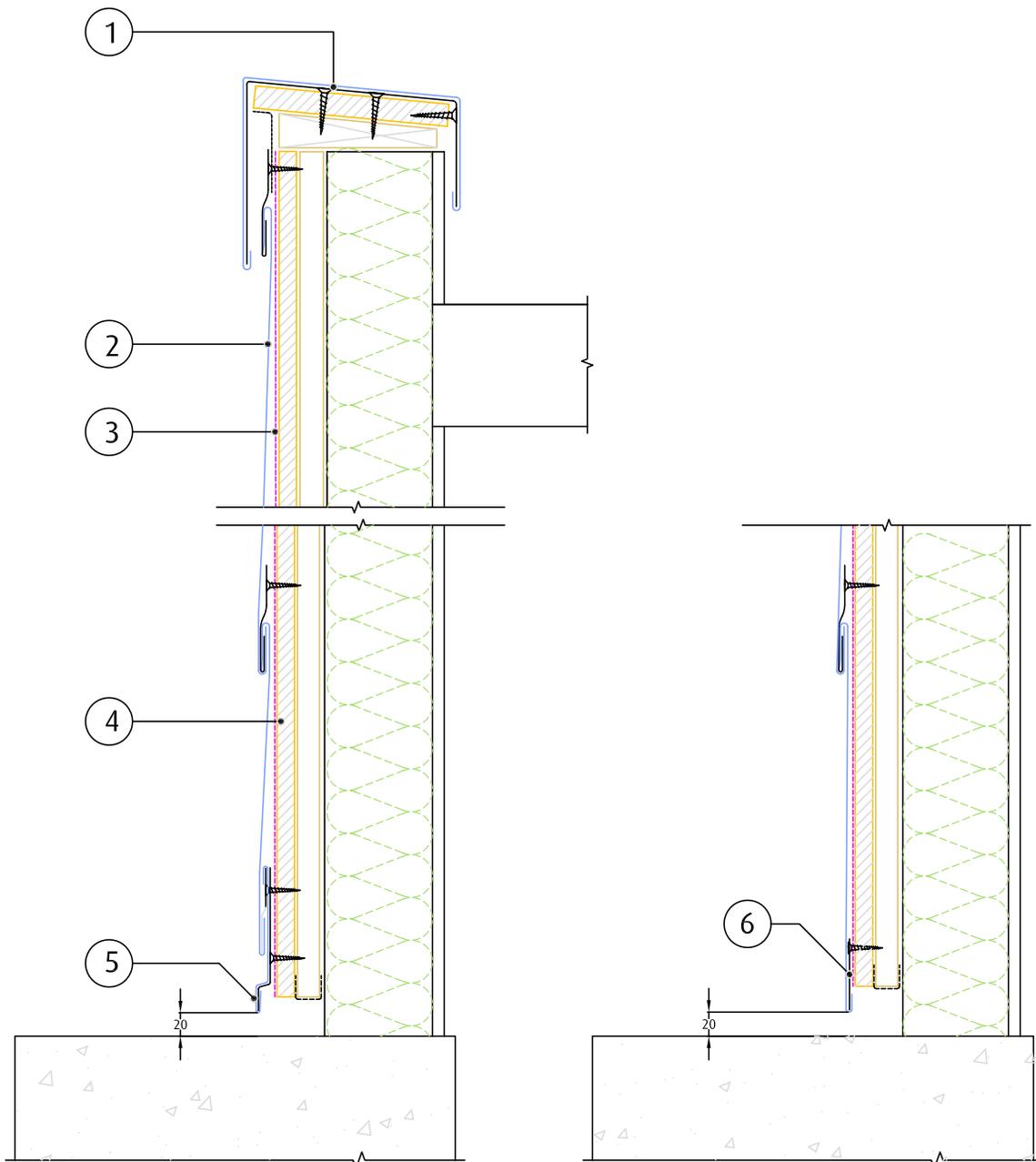
Wall section

1. Parapet capping over galvanised steel stiffener
2. Flat Lock Panel
3. Breathable waterproofing membrane
4. 15mm plywood sheeting
5. Apron flashing
6. Galvanised steel stiffener

FLAT LOCK PANEL
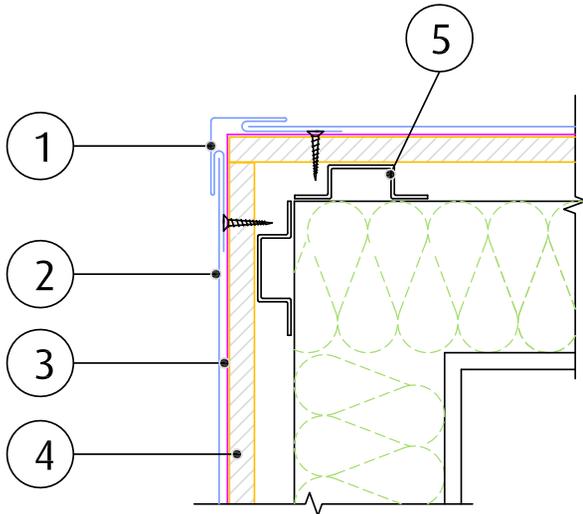
Internal Corner - Option 1

1. External corner flashing
2. Flat Lock Panel
3. Breathable waterproofing membrane
4. 15mm plywood sheeting
5. Top hat
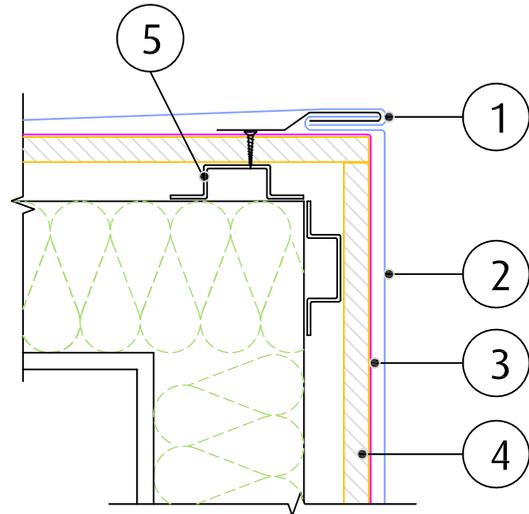
External Corner - Option 2

1. Corner joint
2. Flat Lock panel
3. Breathable waterproofing membrane
4. 15mm plywood sheeting
5. Top hat
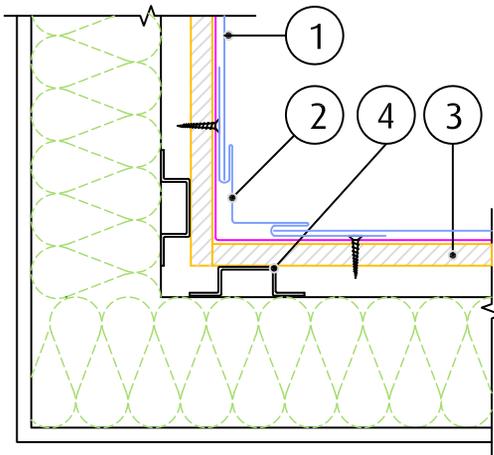
## Internal Corner

1. Flat Lock Panel
2. Internal corner flashing
3. 15mm plywood
4. Top Hat
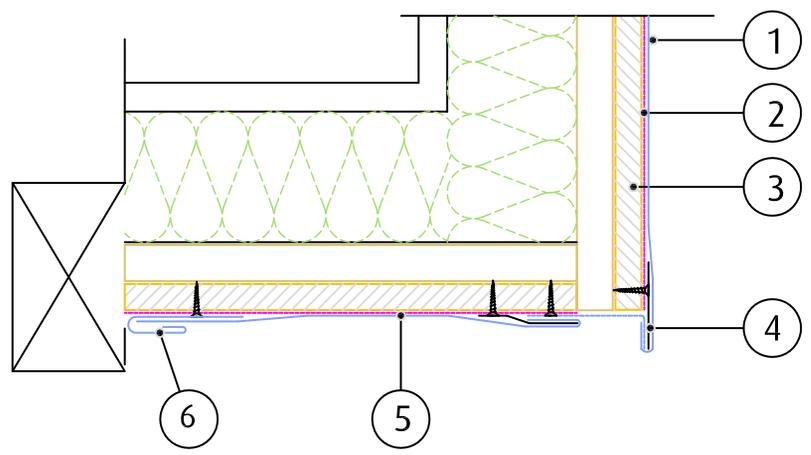
## Soffit Junction

1. Flat Lock panel
2. Breathable waterproofing membrane
3. 15mm plywood
4. Galvanised steel stiffener
5. Flat Lock Panel Soffit
6. Securing clip

INDUSTRY
M E T A L S

HEAD

SILL

JAMB

Window surround

1. Flat Lock panel
2. Breathable waterproofing membrane
3. 15mm plywood
4. 20mm ventilation cavity
5. Window head flashing
6. Securing clip
7. Neutral sealant
8. Securing clip
9. Window sill flashing
10. Neutral sealant
11. Securing clip
12. Jamb flashing
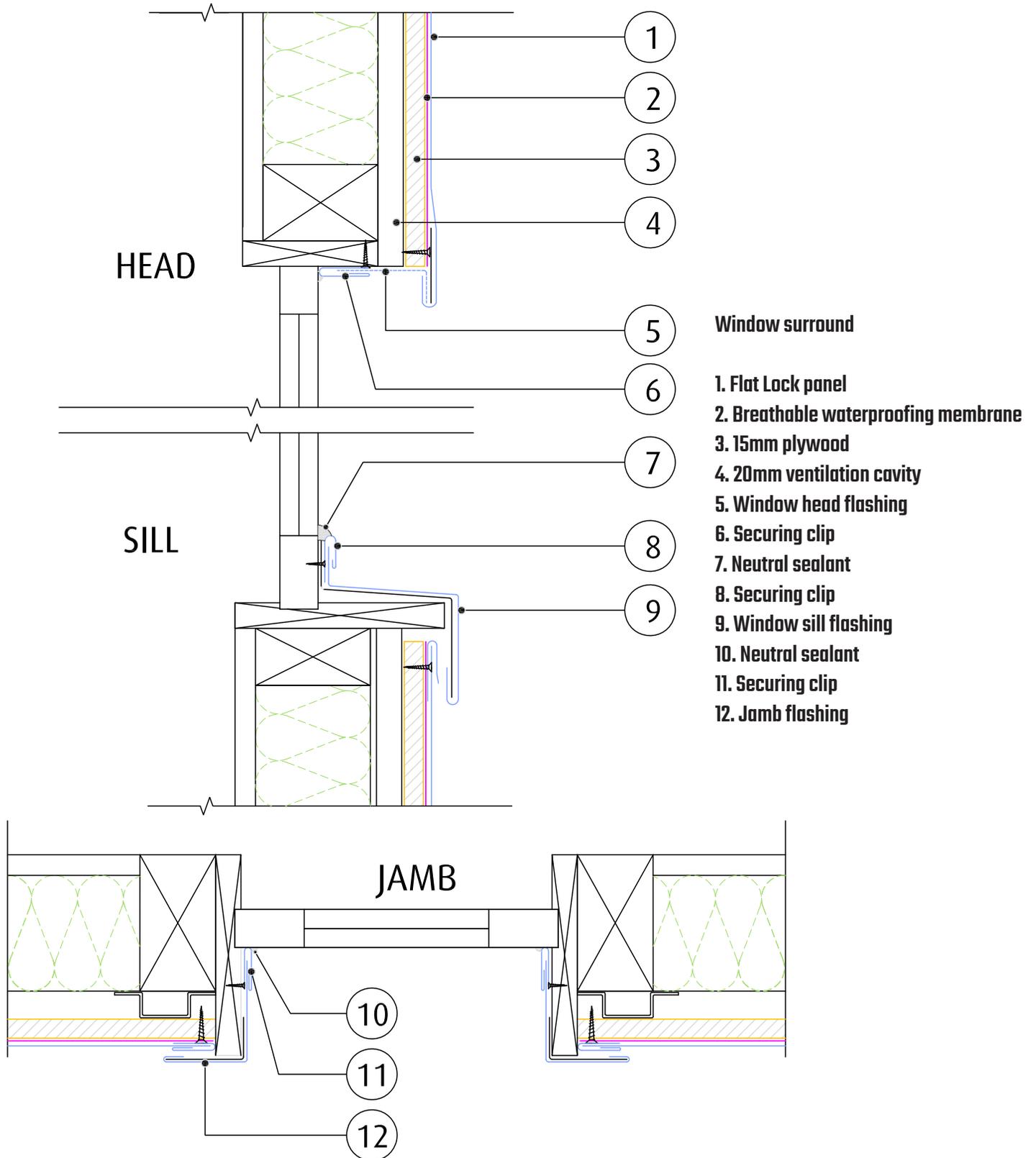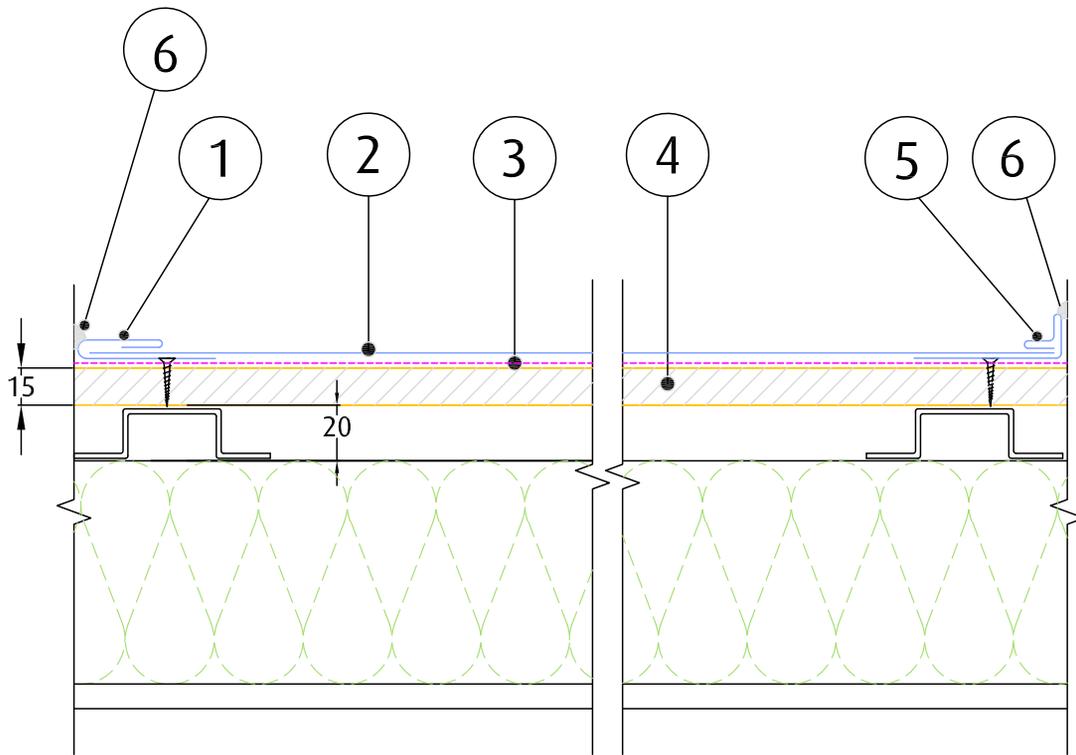
Wall Junction

1. Securing clip (option 1)
2. Flat lock panel
3. Breathable waterproofing membrane
4. 15mm plywood sheeting
5. Securing clip (option 2)
6. Neutral sealant