

SINGLE/DOUBLE LOCK STANDING SEAM

SPECIFICATION OF DETAILS



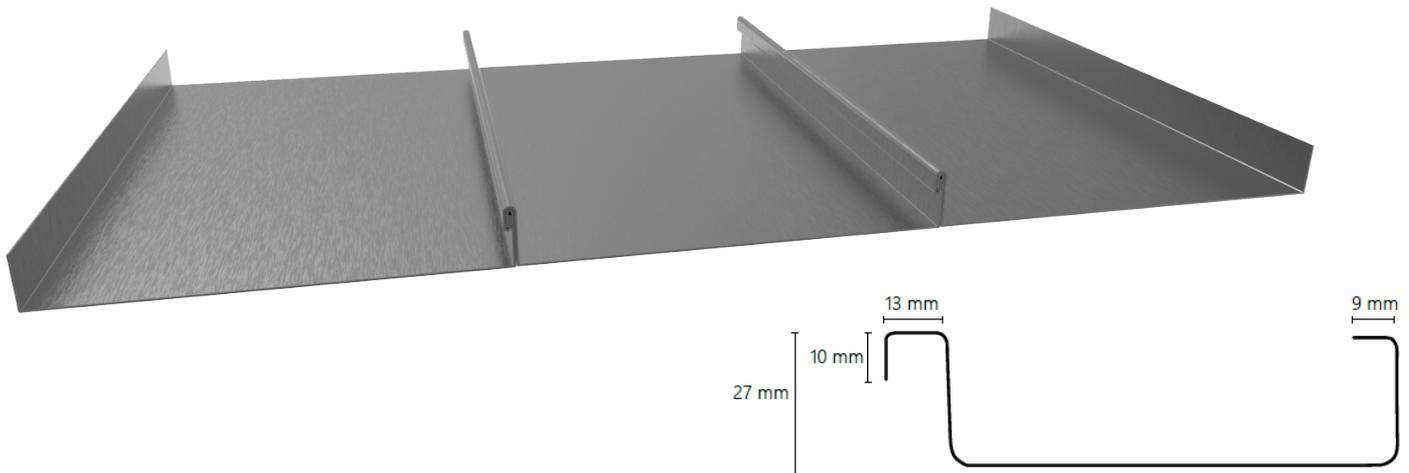
STANDING SEAM



TECHNICAL INFORMATION

CLADDING SYSTEM	Standing Seam
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
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.
SEAM HEIGHT	25mm/38mm

* PLEASE NOTE: MAIN STRUCTURE AND INSULATION BY OTHERS



Not to scale

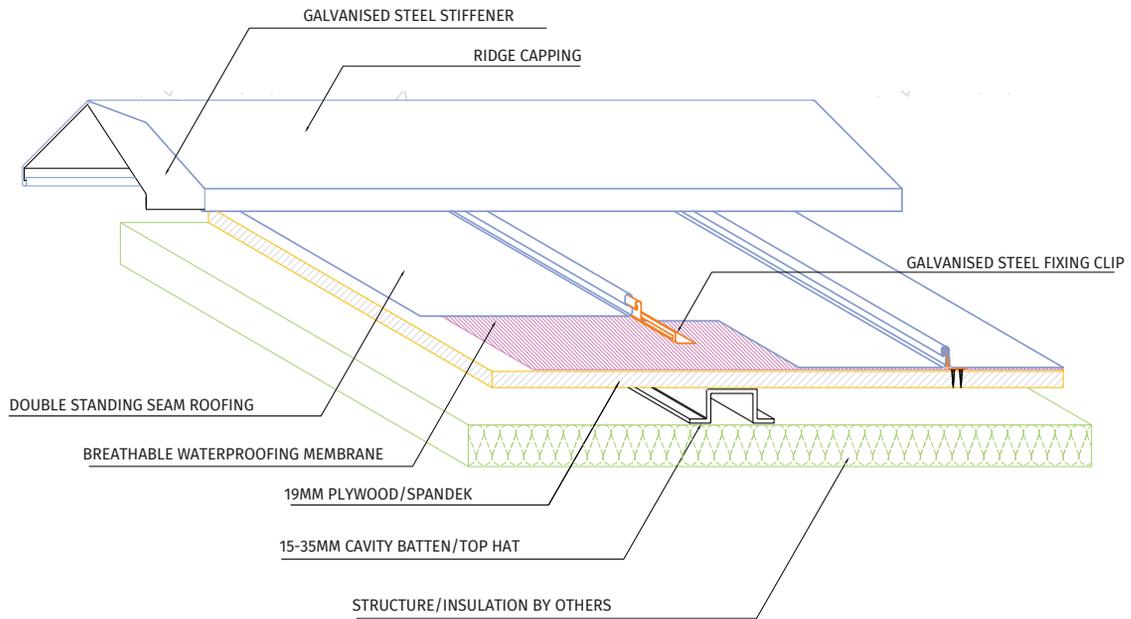
STANDING SEAM



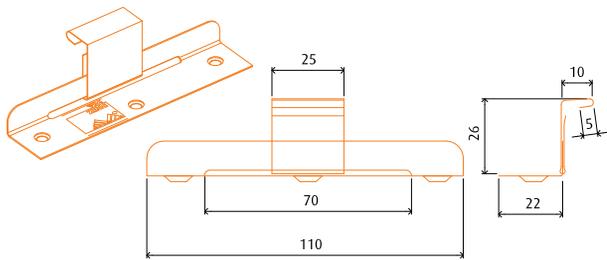
GALVANISED STEEL STIFFENER

PANEL CONNECTION & CLIPS

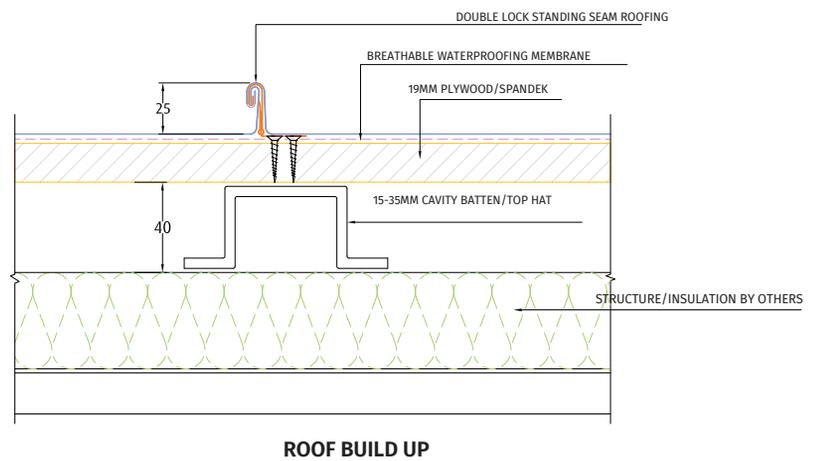
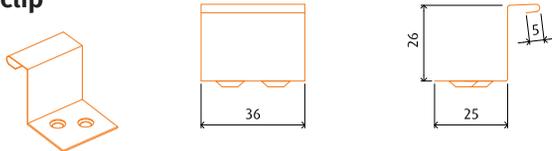
Sliding clip



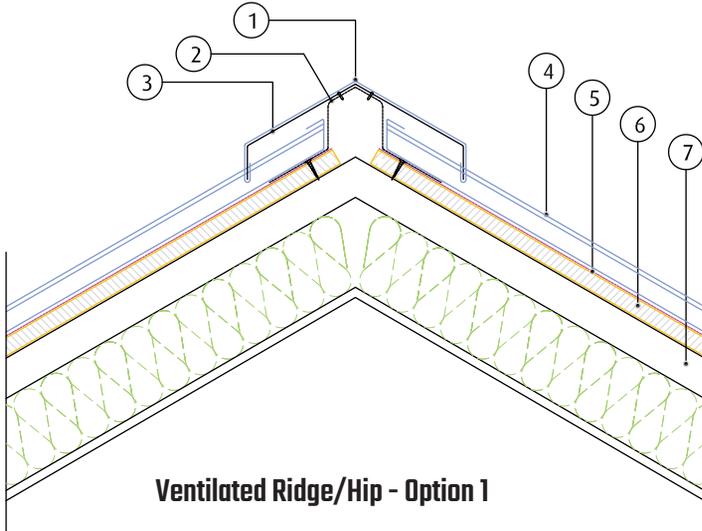
Sliding clip



Fixed clip

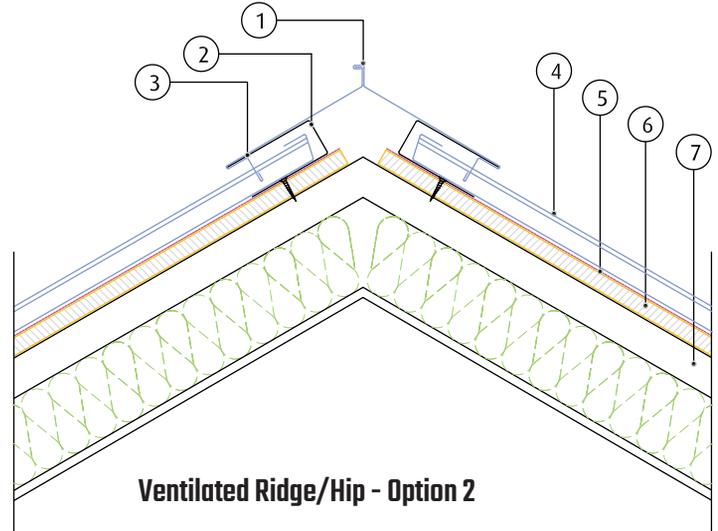


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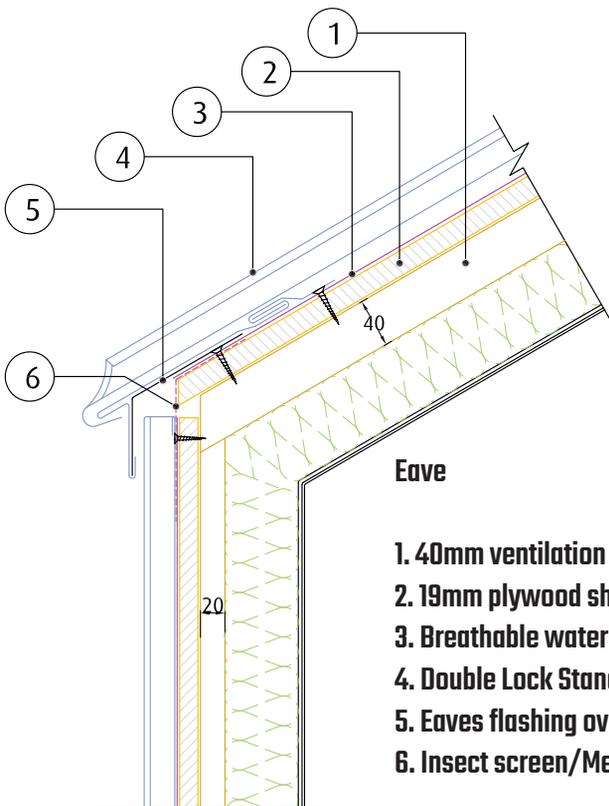
Ventilated Ridge/Hip - Option 1

1. Ridge capping over galvanised steel stiffener
2. Galvanised steel support bracket
3. Perforated flashing/mesh
4. Double Lock Standing Seam roofing
5. Breathable waterproofing membrane
6. 19mm plywood sheeting
7. 40mm ventilation cavity



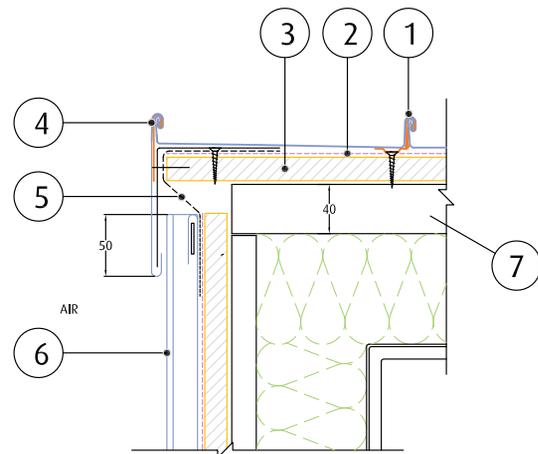
Ventilated Ridge/Hip - Option 2

1. Ridge capping over galvanised steel stiffener
2. Galvanised steel support bracket
3. Perforated flashing/mesh
4. Double Lock Standing Seam roofing
5. Breathable waterproofing membrane
6. 19mm plywood sheeting
7. 40mm ventilation cavity



Eave

1. 40mm ventilation cavity
2. 19mm plywood sheeting
3. Breathable waterproofing membrane
4. Double Lock Standing Seam roofing
5. Eaves flashing over galvanised steel stiffener
6. Insect screen/Mesh

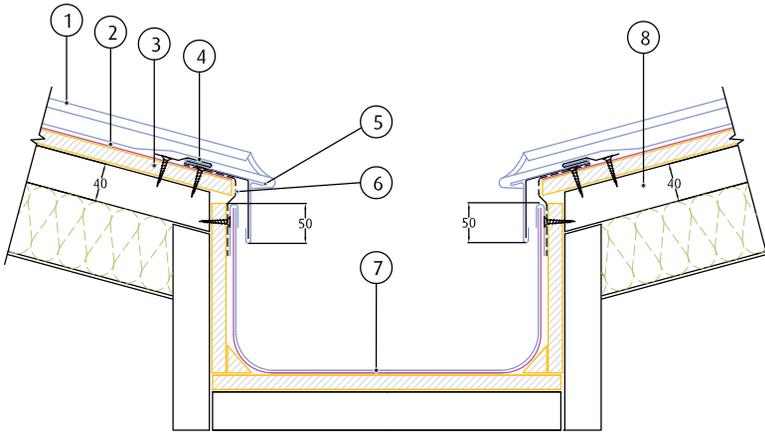


Edge

1. Double Lock Standing Seam roofing
2. Breathable waterproofing membrane
3. 19mm plywood sheeting
4. Edge flashing
5. Insect screen/Mesh
6. Single Lock Standing Seam cladding
7. 40mm ventilation cavity

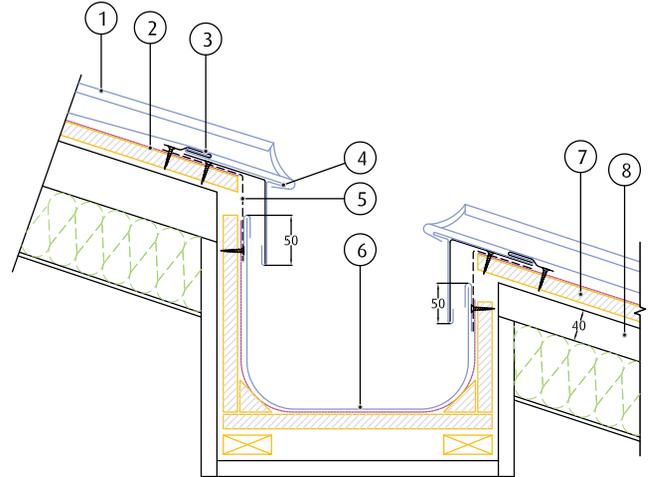
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INDUSTRY METALS



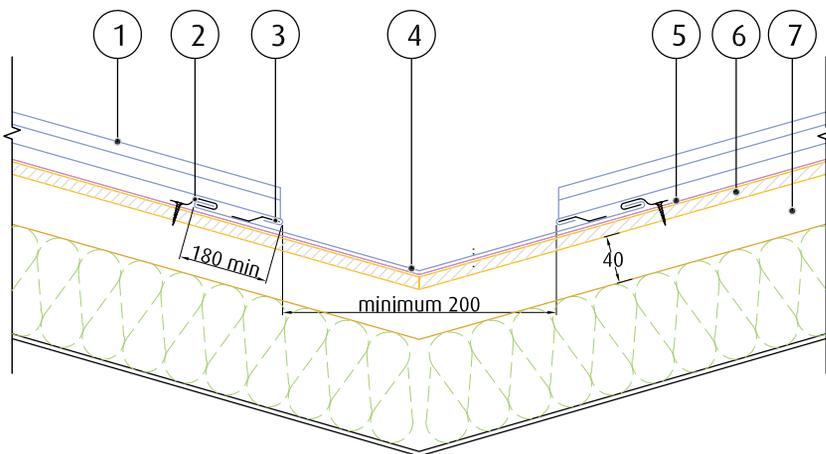
2 Slope box gutter

1. Double Lock Standing Seam roofing
2. Breathable waterproofing membrane
3. 19mm plywood sheeting
4. Fixing clip
5. Eave flashing
6. Insect screen
7. Box gutter
8. 40mm ventilation cavity



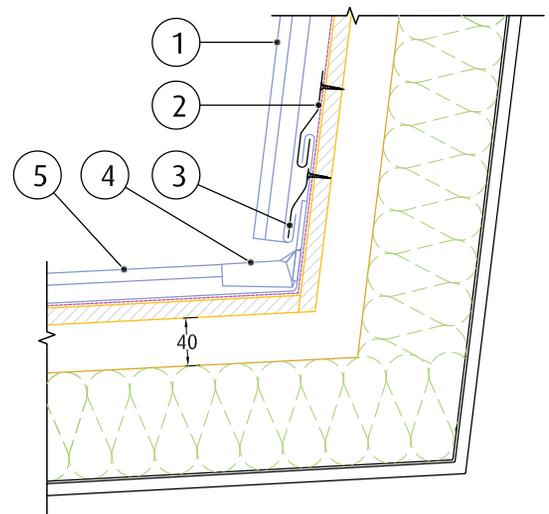
Slope box gutter

1. Double Lock Standing Seam roofing
2. Breathable waterproofing membrane
3. Fixing clip
4. Eave flashing
5. Insect screen
6. Box gutter
7. 19mm plywood sheeting
8. 40mm ventilation cavity



Valley

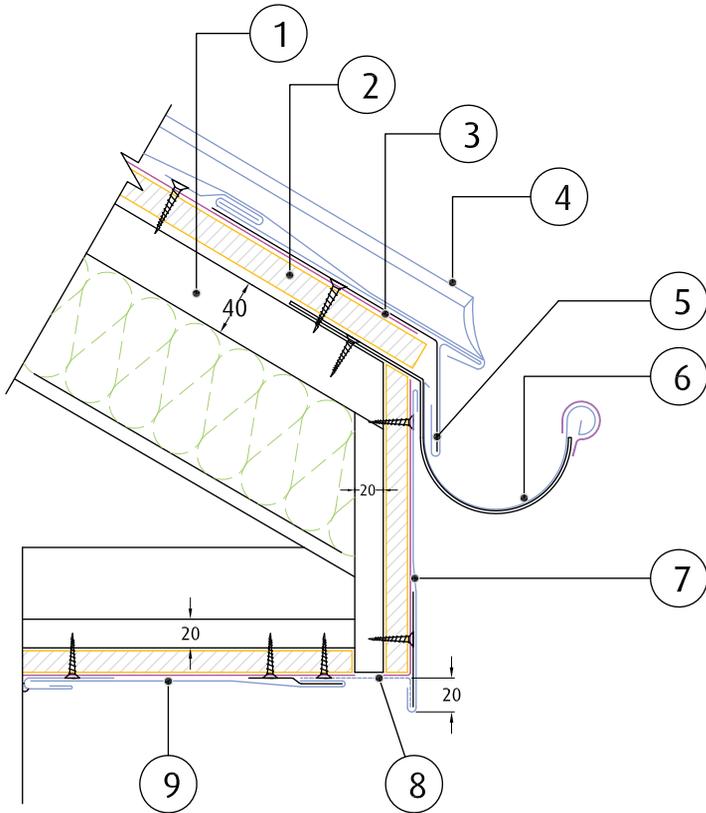
1. Double Lock Standing Seam roofing
2. Fixing clip
3. Clip
4. Valley flashing
5. Breathable waterproofing membrane
6. 19mm plywood sheeting
7. 40mm ventilation cavity



Wall Junction

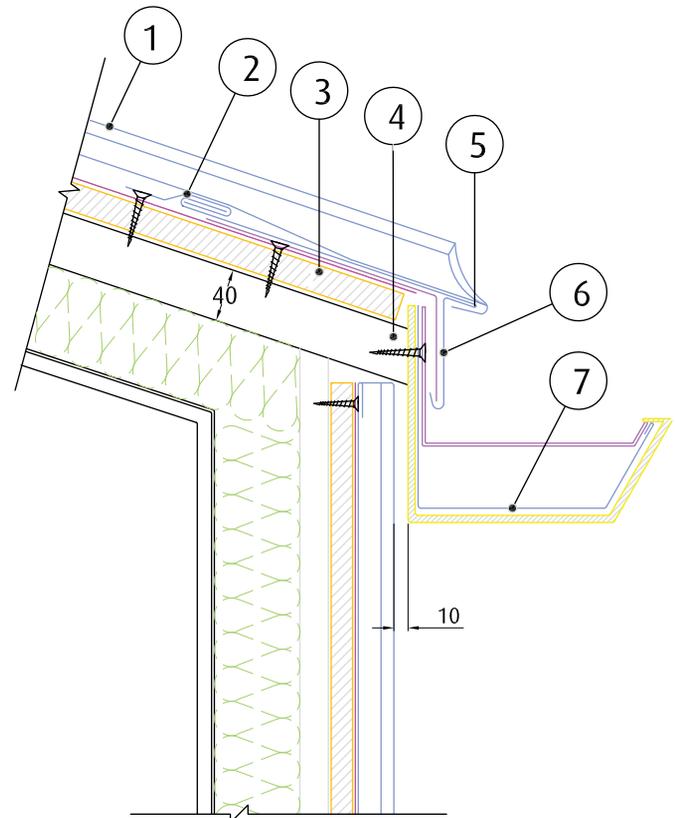
1. Single Lock Standing Seam roofing
2. Fixing clip
3. Securing clip
4. Saddle piece
5. Double Lock Standing Seam roofing

STANDING SEAM



Eave Gutter

1. 40mm ventilation cavity
2. 19mm plywood sheathing
3. Breathable waterproofing membrane
4. Double Lock Standing Seam roofing
5. Eaves flashing over galvanised steel stiffener
6. Eaves gutter and bracket
7. Fascia
8. Perforated flashing strip/mesh
9. Soffit



Eave Gutter

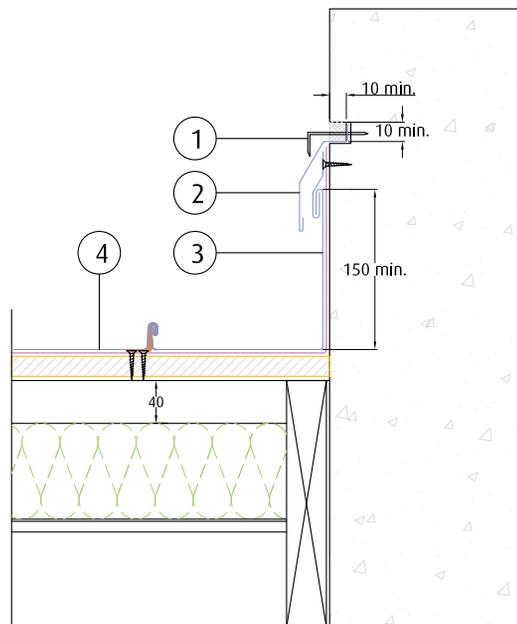
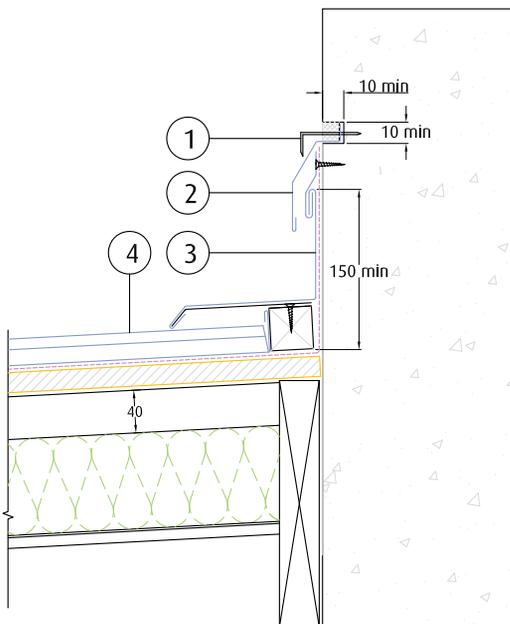
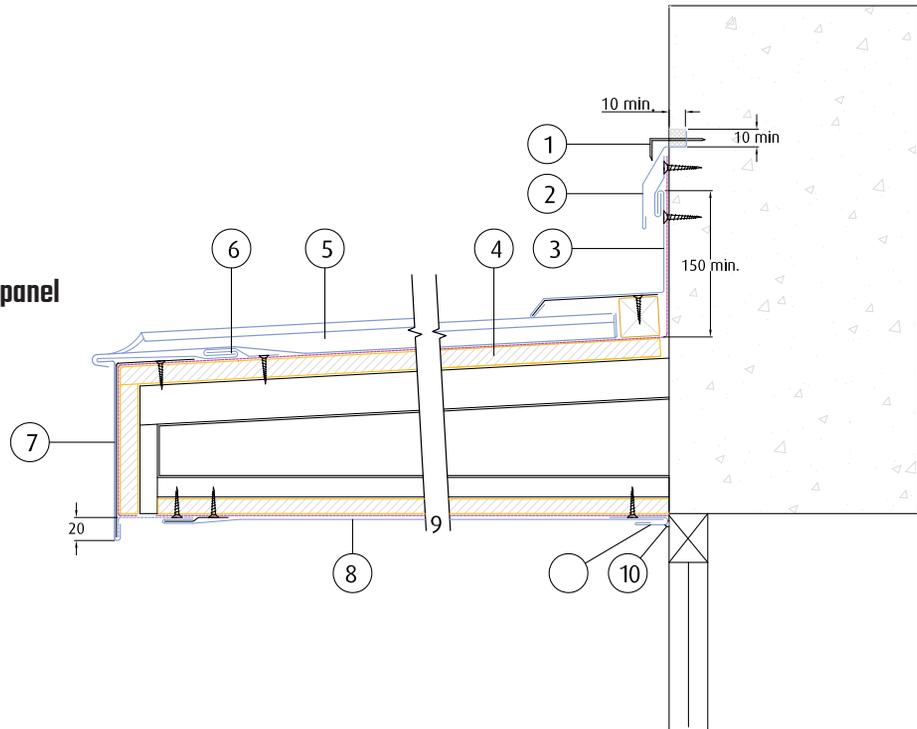
1. 40mm ventilation cavity
2. 19mm plywood sheathing
3. Breathable waterproofing membrane
4. Double Lock Standing Seam roofing
5. Eaves flashing over galvanised steel stiffener
6. Eaves gutter and bracket
7. Fascia
8. Perforated flashing strip/mesh
9. Soffit

STANDING SEAM



Awning

- 1. Metal wedge
- 2. Apron
- 3. Wall flashing
- 4. Substrate
- 5. Double Lock Standing Seam panel
- 6. Securing clip
- 7. Fascia
- 8. Soffit
- 9. Securing clip
- 10. Neutral Sealant



Wall abutment

- 1. Metal wedge
- 2. Apron
- 3. Wall flashing
- 4. Double Lock Standing Seam panel

Wall abutment

- 1. Metal wedge
- 2. Apron
- 3. Wall flashing
- 4. Double Lock Standing Seam panel

STANDING SEAM

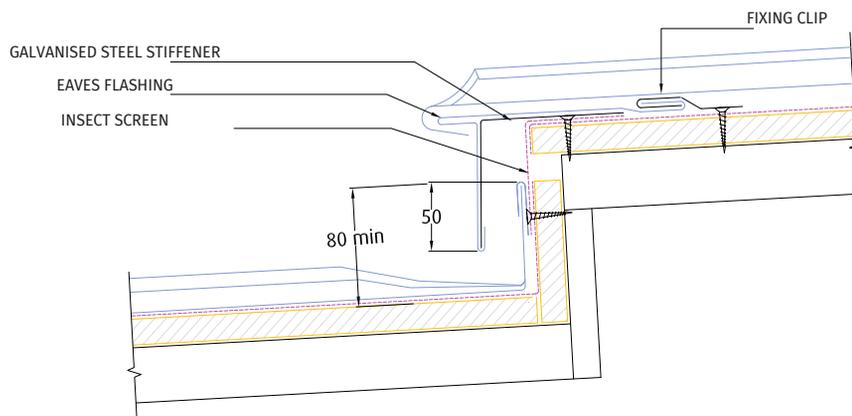


TRANSVERSAL JUNCTIONS / EXPANSION

When the length of the roof slope exceeds the maximum recommended length of 13 metres, it is necessary to join the sheets using transverse junctions. Several techniques exist depending on the pitch of the roof.

These include-

Step (or drip) for pitches of 3° (5%) or more the step height will be a minimum of 8 cm for standing seam.



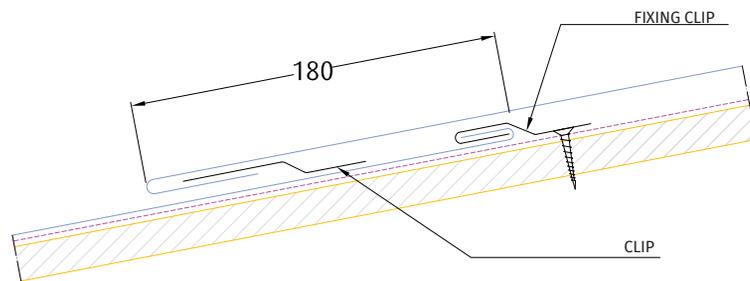
Double welt for pitches of 11° (20%) or more.

The double welt can be used for pitches of 11° and above. The minimum length of the overlap is 200mm. The dimensions can vary due to the projected expansion and/or contraction based on the conditions at the time of installation, with a securing clip at the top. Depending on climatic conditions such as wind and rain, the overlap should be increased. The fixed clip should be soldered onto the zinc sheet, not fastened to it.

STANDING SEAM

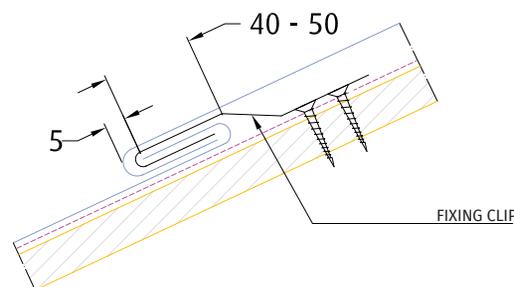


TRANSVERSAL JUNCTIONS / EXPANSION



Single welt for pitches $> 25^\circ$ (47%) or more.

The single welt or single lock cross-welt with an overlap of 51mm. The dimensions can vary due to the projected expansion and/or contraction based on the conditions at the time of installation. This can be adopted for pitches greater than 25° (42%) in the standing seam technique.



Single welt for pitches $> 11^\circ$ (47%) or more.

The single welt or single lock cross-welt with an overlap of 51 mm. The dimensions can vary due to the projected expansion and/or contraction based on the conditions at the time of installation. This can be adopted for pitches greater than 25° (42%) in the standing seam technique.