

DOUBLE LOCK STANDING SEAM

SPECIFICATION OF DETAILS



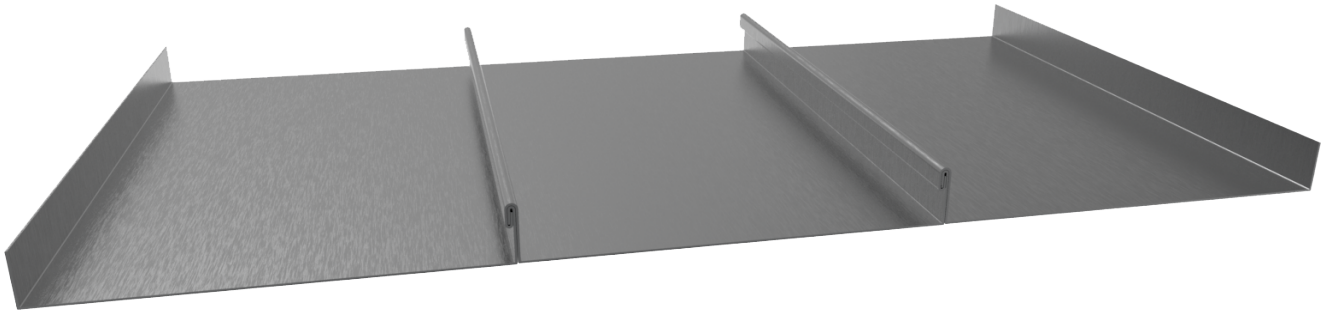
DOUBLE LOCK STANDING SEAM



TECHNICAL INFORMATION

CLADDING TECHNIQUE	Double Lock Standing Seam
CLADDING MATERIAL	Aluminum 0.7/0.8 Copper 0.7/0.8 Steel 0.55 Zin 0.7/0.8
SUPPORT	15mm plywood/ Spandek
UNDERLAY	Breathable waterproofing membrane
PANEL WIDTH	600mm centre to centre maximum
PANEL LENGTH	13 metres maximum
SEAM HEIGHT	25mm

* PLEASE NOTE: MAIN STRUCTURE AND INSULATION BY OTHERS



Not to scale

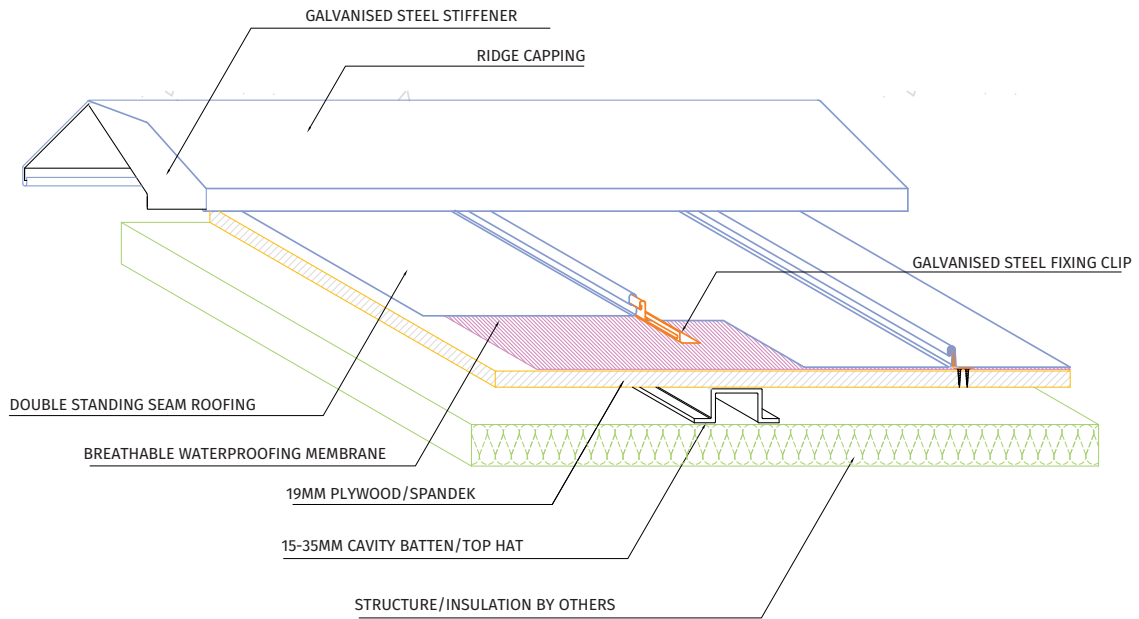
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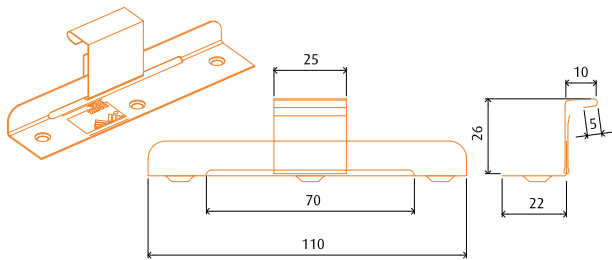
GALVANISED STEEL STIFFENER

PANEL CONNECTION & CLIPS

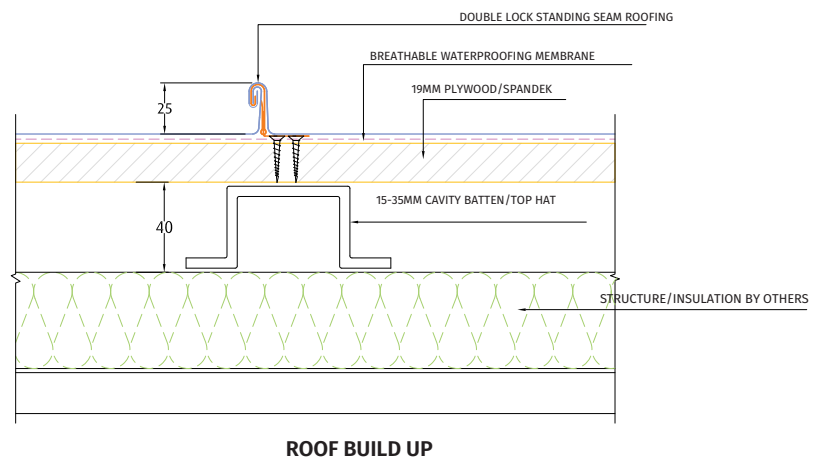
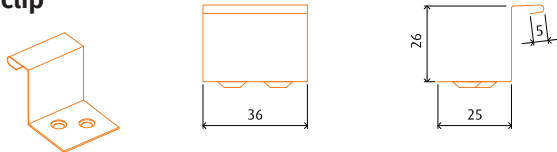
Sliding clip



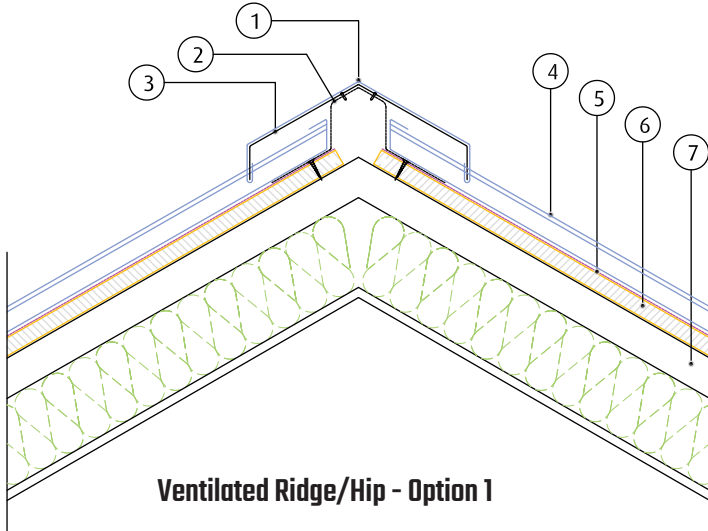
Sliding clip



Fixed clip

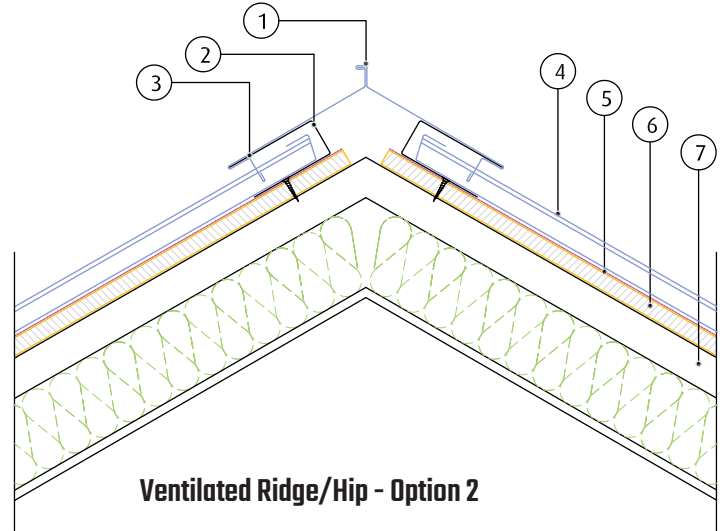


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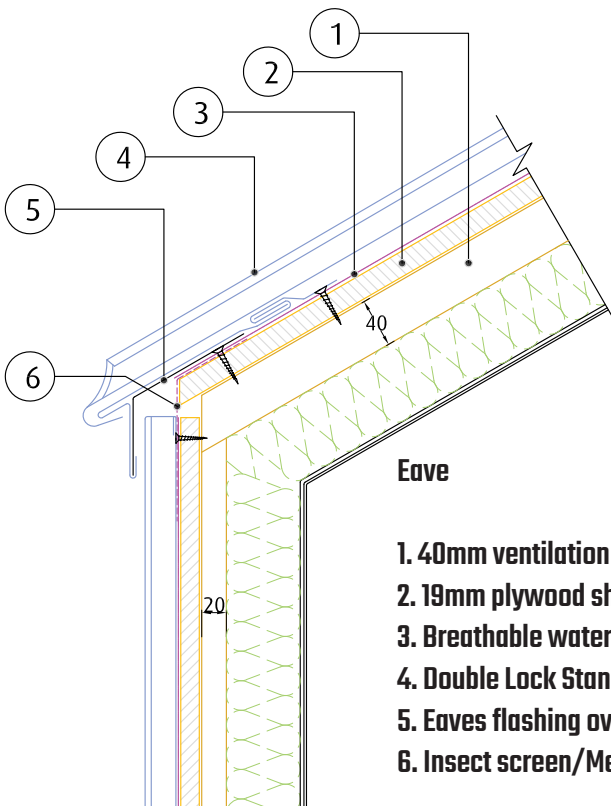
Ventilated Ridge/Hip - Option 1

1. Ridge capping over galvanized steel stiffener
2. Galvanized 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



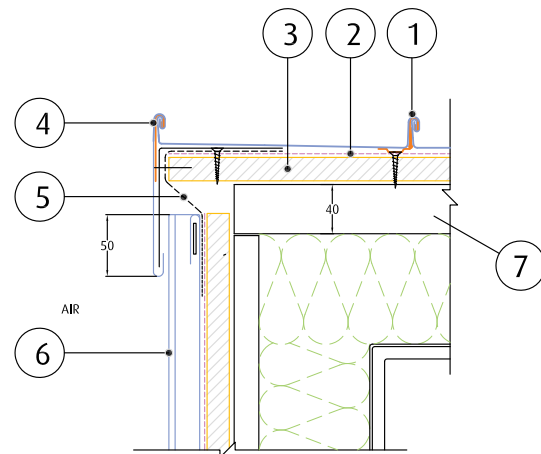
Ventilated Ridge/Hip - Option 2

1. Ridge capping over galvanized steel stiffener
2. Galvanized 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

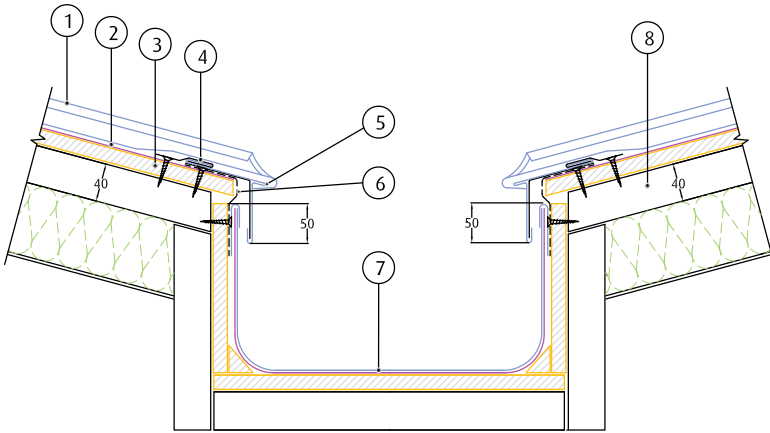
1. 40mm ventilation cavity
2. 19mm plywood sheeting
3. Breathable waterproofing membrane
4. Double Lock Standing Seam roofing
5. Eaves flashing over galvanized steel stiffener
6. Insect screen/Mesh



Edge

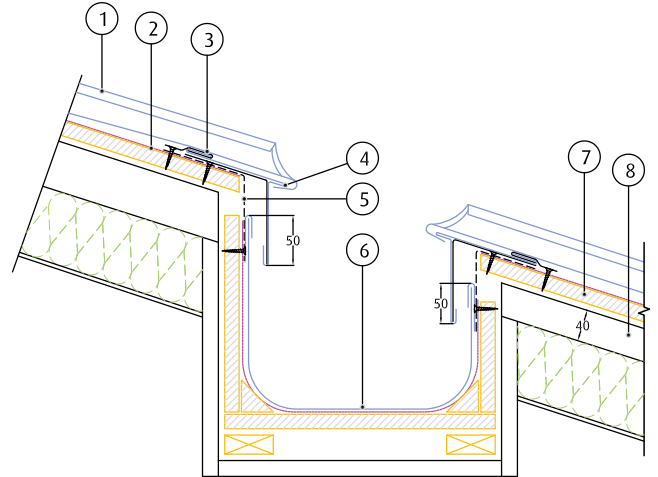
1. Double Lock Standing Seam roofing
2. Breathable waterproofing membrane
3. 19mm plywood sheeting
4. Edge flashing
5. Insect screen/Mesh
6. Single Lock Standing Seam cladding

DOUBLE LOCK STANDING SEAM



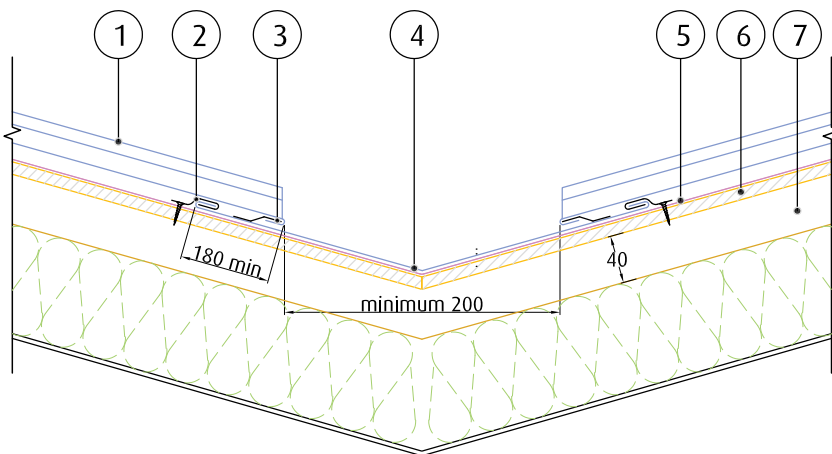
2 Slope box gutter

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



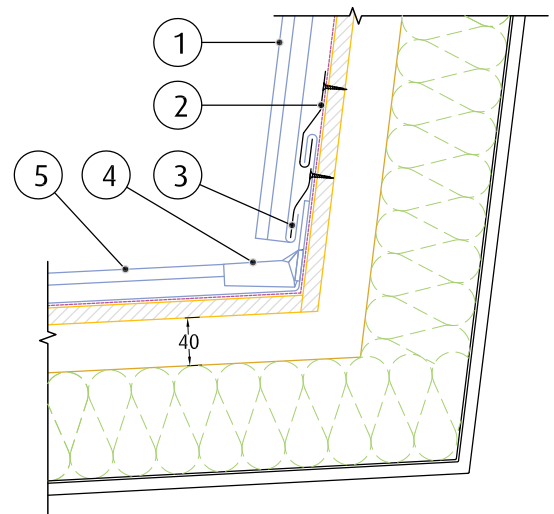
Slope box gutter

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 sheathing
8. 40mm ventilation cavity



Valley

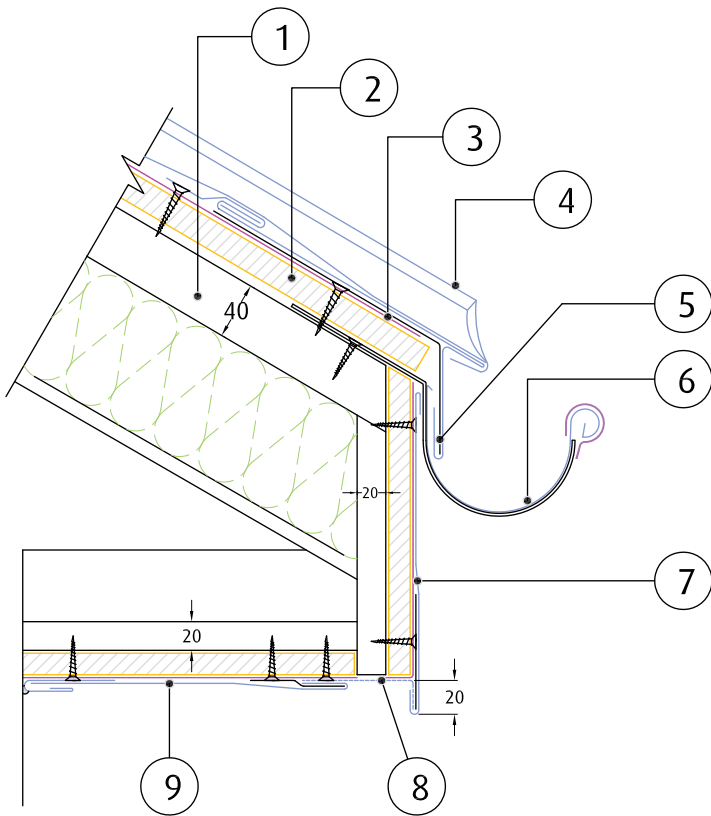
1. Double Lock Standing Seam roofing
2. Fixing clip
3. Clip
4. Valley flashing
5. Breathable waterproofing membrane
6. 19mm plywood sheathing
7. 40mm ventilation cavity



Wall Junction

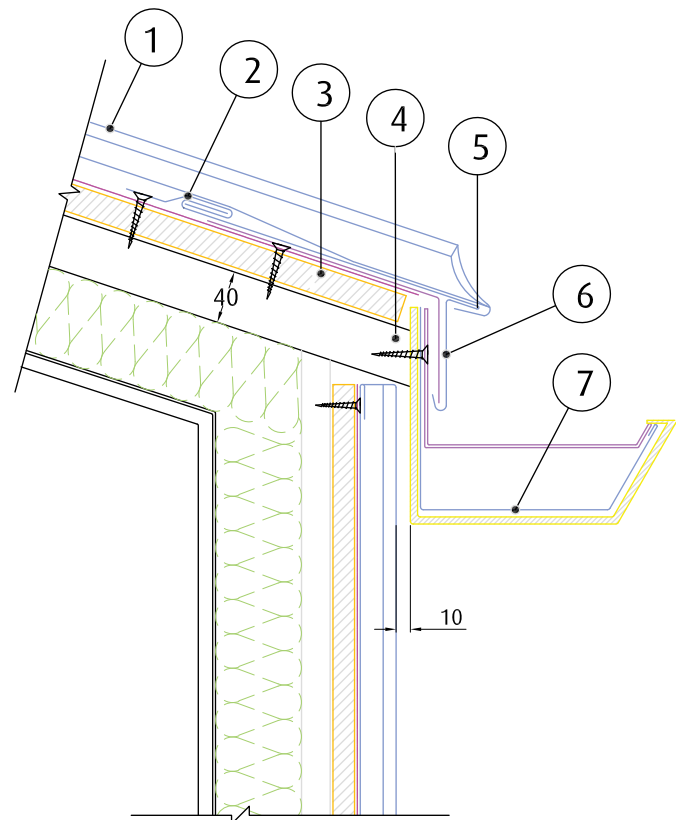
1. Single Lock Standing Seam roofing
2. Fixing clip
3. Securing clip
4. Saddle piece
5. Double Lock Standing Seam roofing

DOUBLE LOCK STANDING SEAM



Eave Gutter

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. Eaves gutter and bracket
7. Fascia
8. Perforated flashing strip/mesh
9. Soffit



Eave Gutter

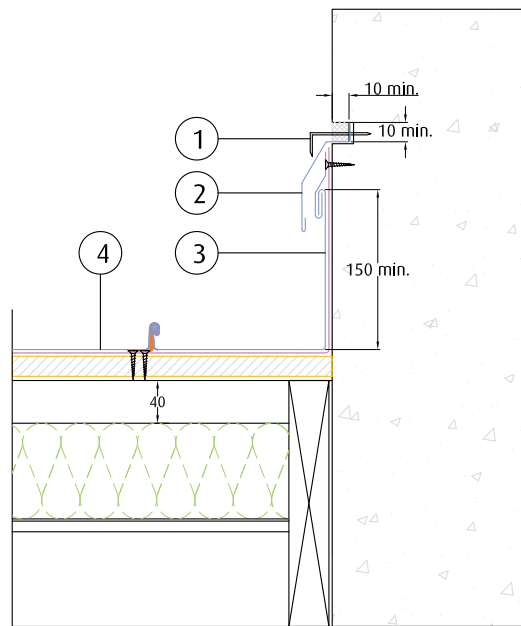
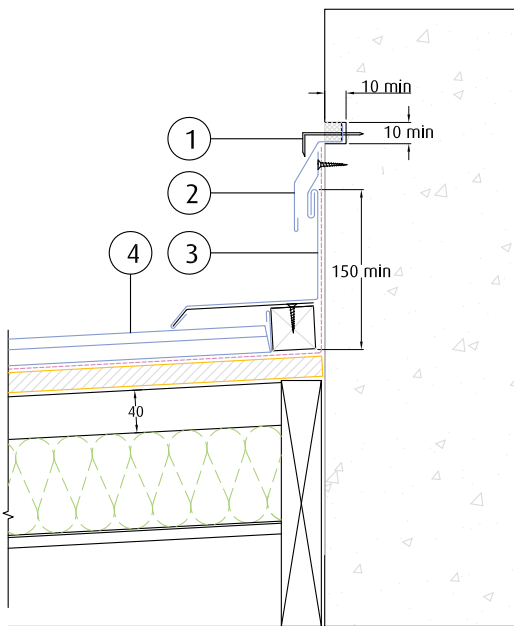
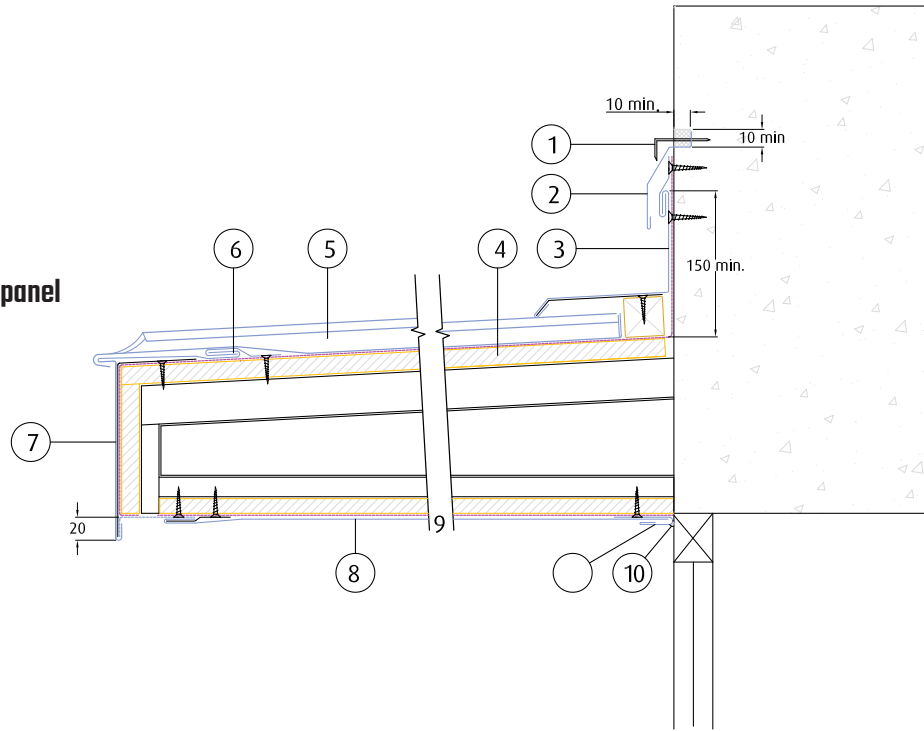
1. 40mm ventilation cavity
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DOUBLE LOCK STANDING SEAM



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

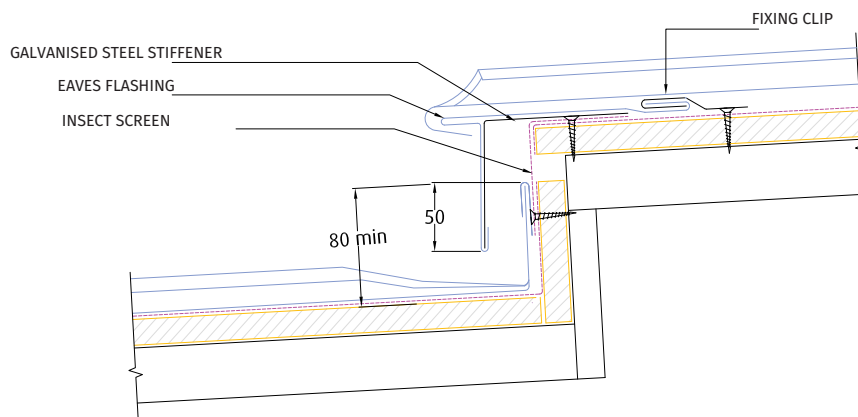
- 1. Metal wedge
- 2. Apron
- 3. Wall flashing
- 4. Double Lock Standing Seam panel

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.



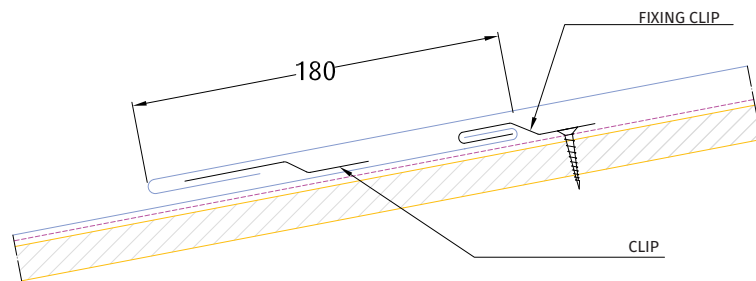
Double welt for pitches of 11° (20%) or more.

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.

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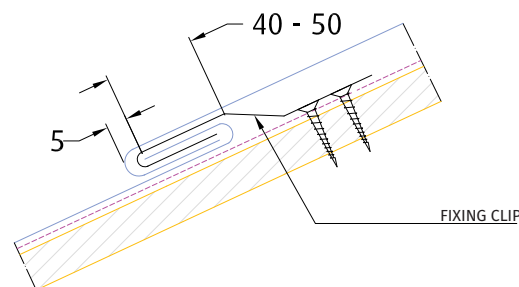


TRANSVERSAL JUNCTIONS / EXPANSION



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.