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Fyshwick, ACT, 2609



LAROS
TECHNOLOGIES



ProClima Installation Guides



Contents



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Airtightness

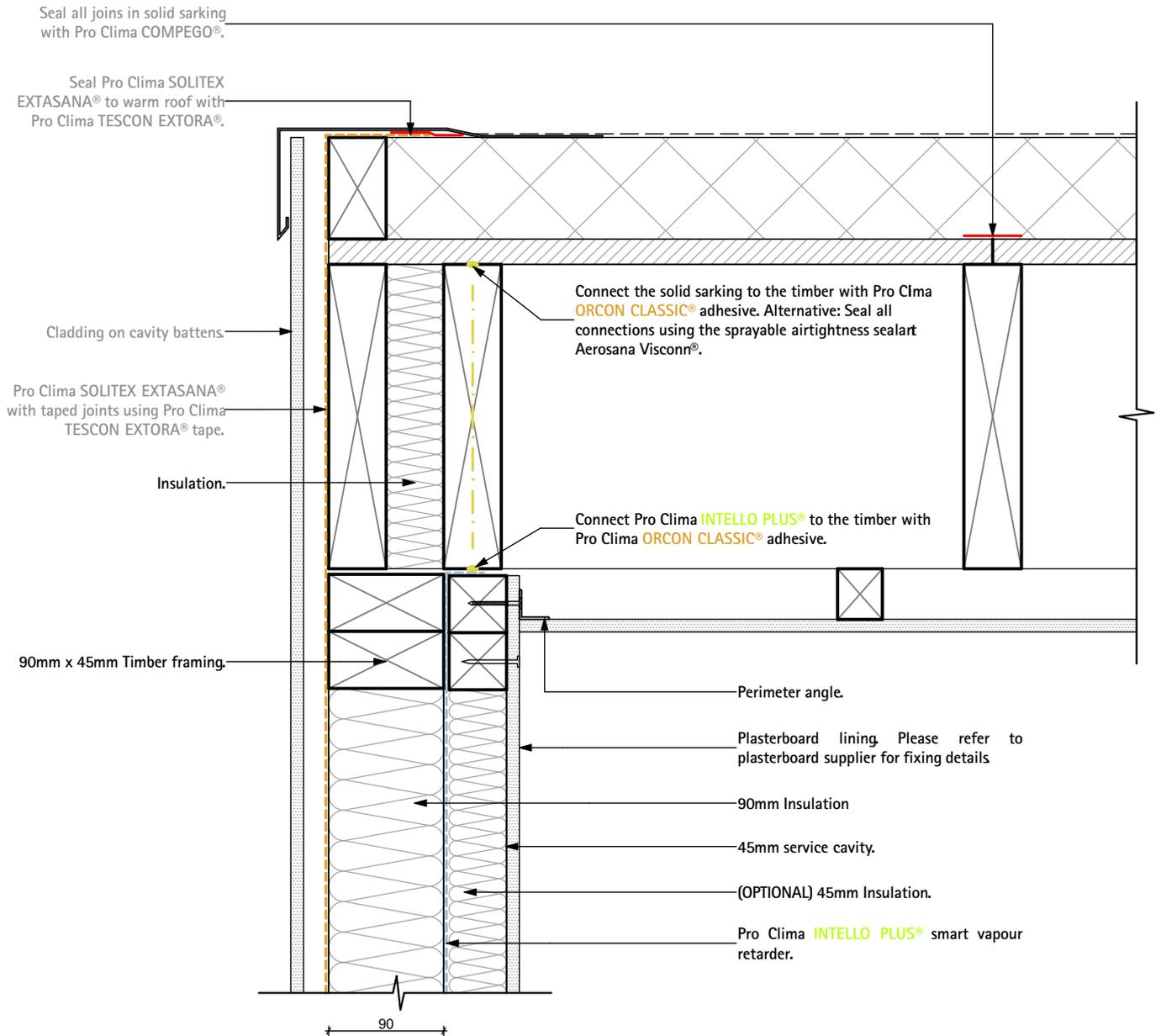
- Warm Roof	3
- Skillion Roof	5
- Ceiling Timber Batten	6
- Ceiling Steel Batten	8
- Midfloor Detail	10
- Timber Framing	14
- Door / Window Joinery - Aluminium Head	18
- Door / Window Joinery - Aluminium Jamb	20
- Door / Window Joinery - Aluminium Sill	22

Weatherproof

- Skillion Roof	24
- Truss Roof	30
- Warm Roof	32
- Timber Framing	34
- Door / Window Joinery - Aluminium Head	36
- Door / Window Joinery - Aluminium Jamb	38
- Door / Window Joinery - Aluminium Sill	40

A1311 Pro Clima Roof Warm Roof Detail

Barge - Plattformframing



This drawing is subject to Regional Climate should be confirmed by hygrothermal analysis using software e.g. WUFI.



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 Web: www.proclima.co.nz

Title:
Roof Warm Roof Detail

Scale: 1:5
 Revision: D
 Issued: 06-03-2019

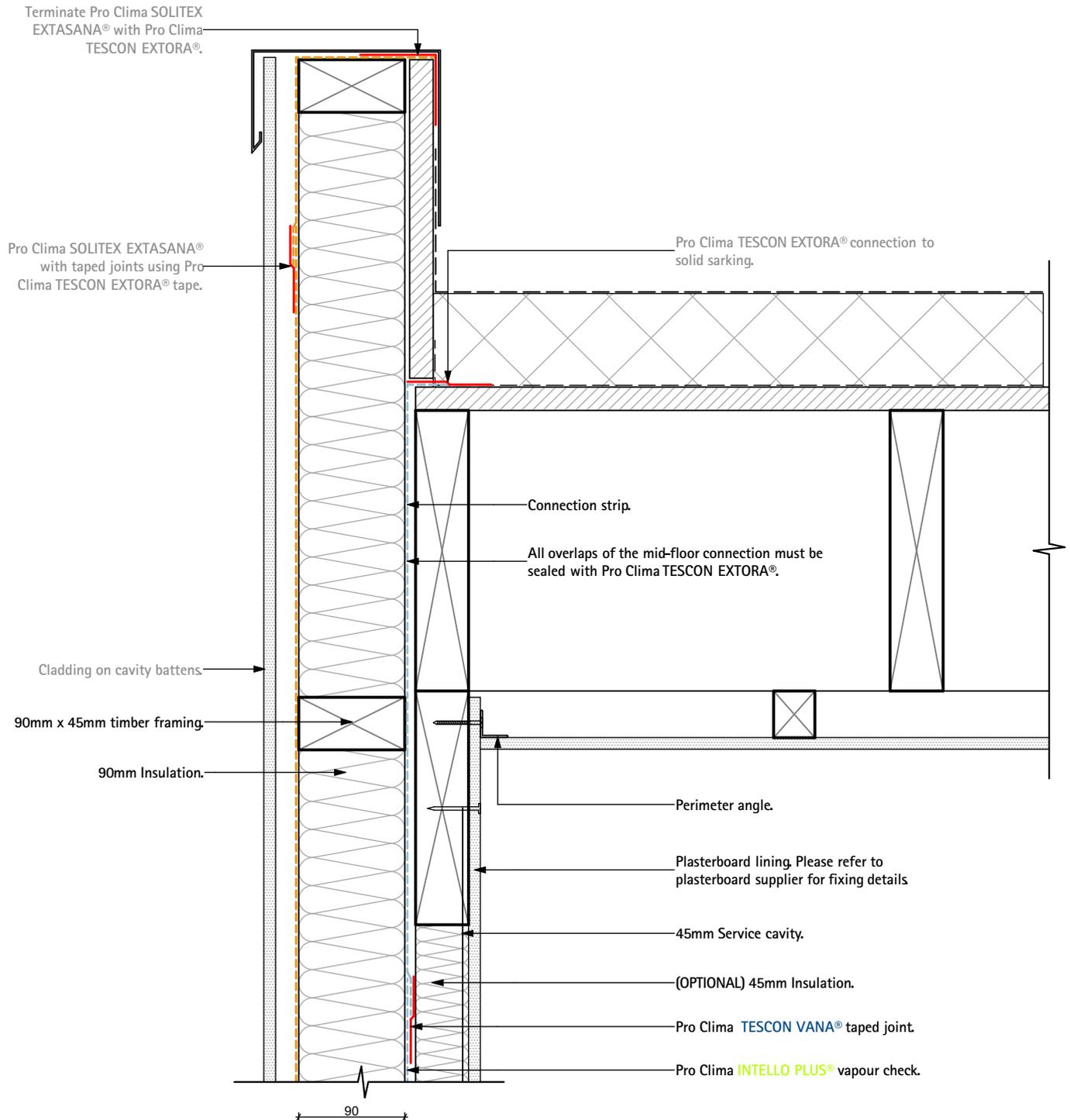
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A1312 Pro Clima Roof Warm Roof Detail

Parapet - Balloon Framing



NOTE: Connection Strip must be installed during framing stage.



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Title:
Roof Warm Roof Detail

Scale: 1:5
 Revision: D
 Issued: 06-03-2019

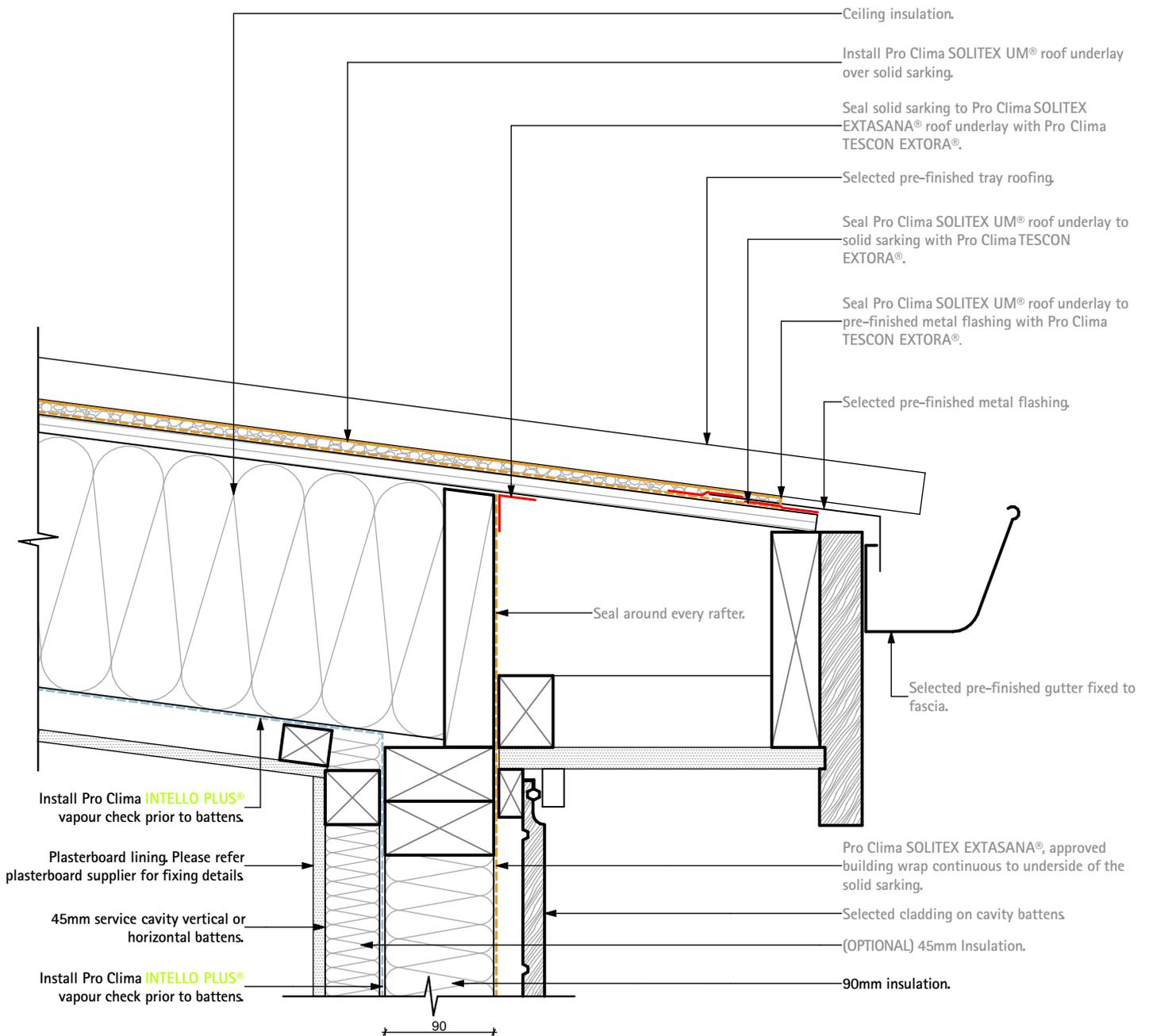
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A1133 Pro Clima Skillion Eave Detail

Solid Sarking



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Title:
Skillion Eave Detail

Scale: 1:5
Revision: D
Issued: 06-03-2019

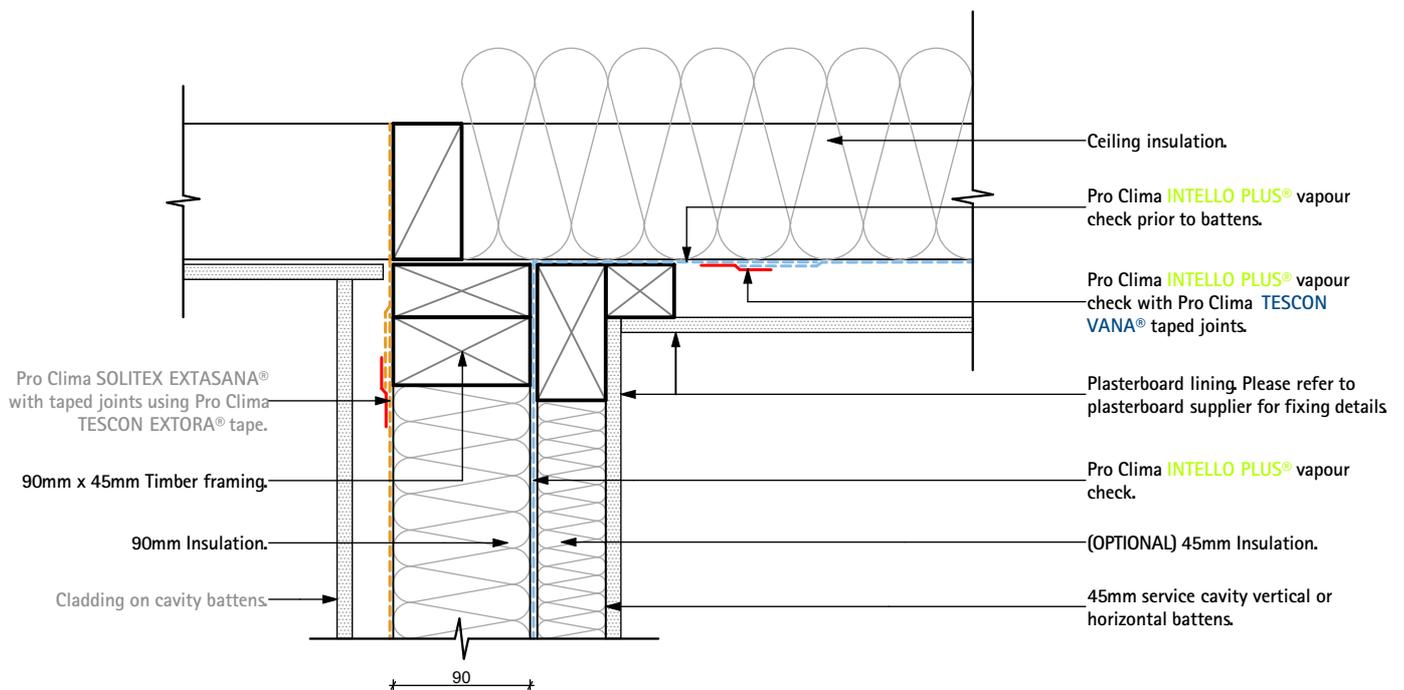
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A2111 Pro Clima Ceiling Timber Batten Detail

Typical vertical 90mm wall – Ceiling junction with 45mm service cavity



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Title:

Ceiling Timber Batten Detail

Scale: 1:5
Revision: D
Issued: 06-03-2019

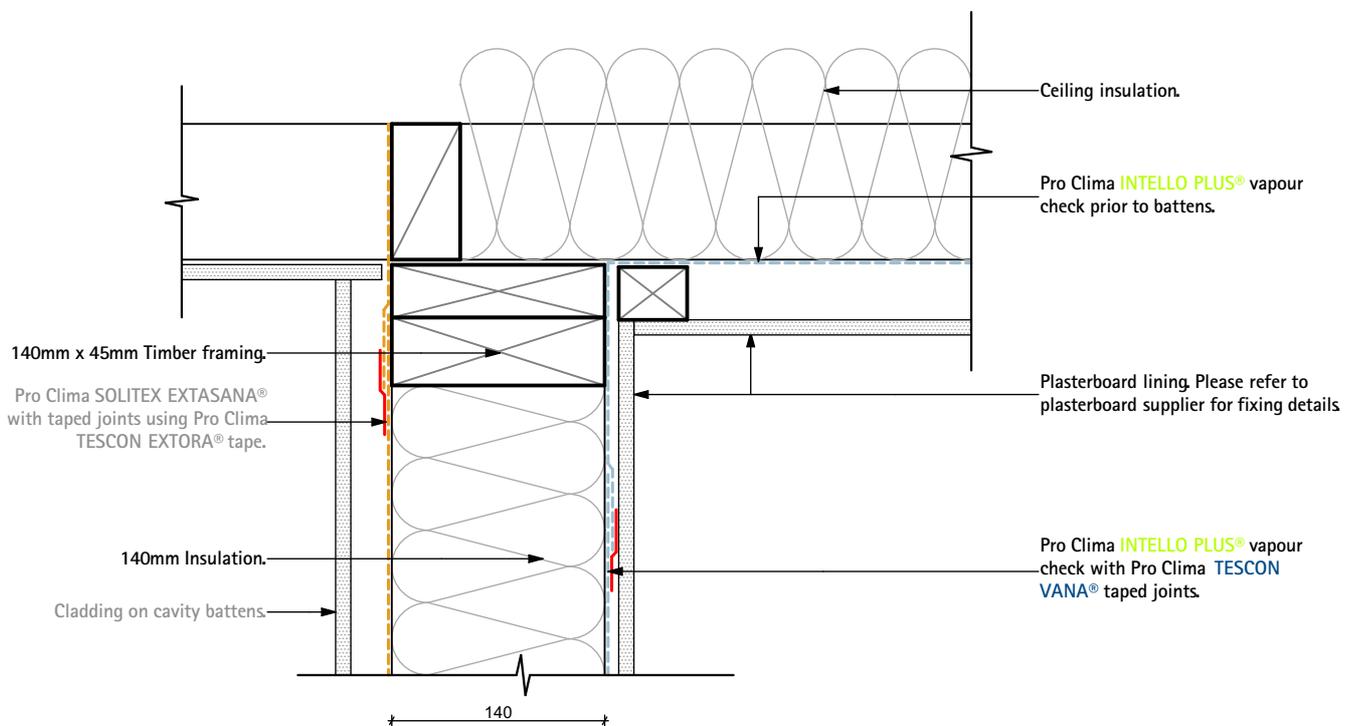
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A2112 Pro Clima Ceiling Timber Batten Detail

Typical vertical 140mm wall - Ceiling junction



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Title:

Ceiling Timber Batten Detail

Scale: 1:5
Revision: D
Issued: 06-03-2019

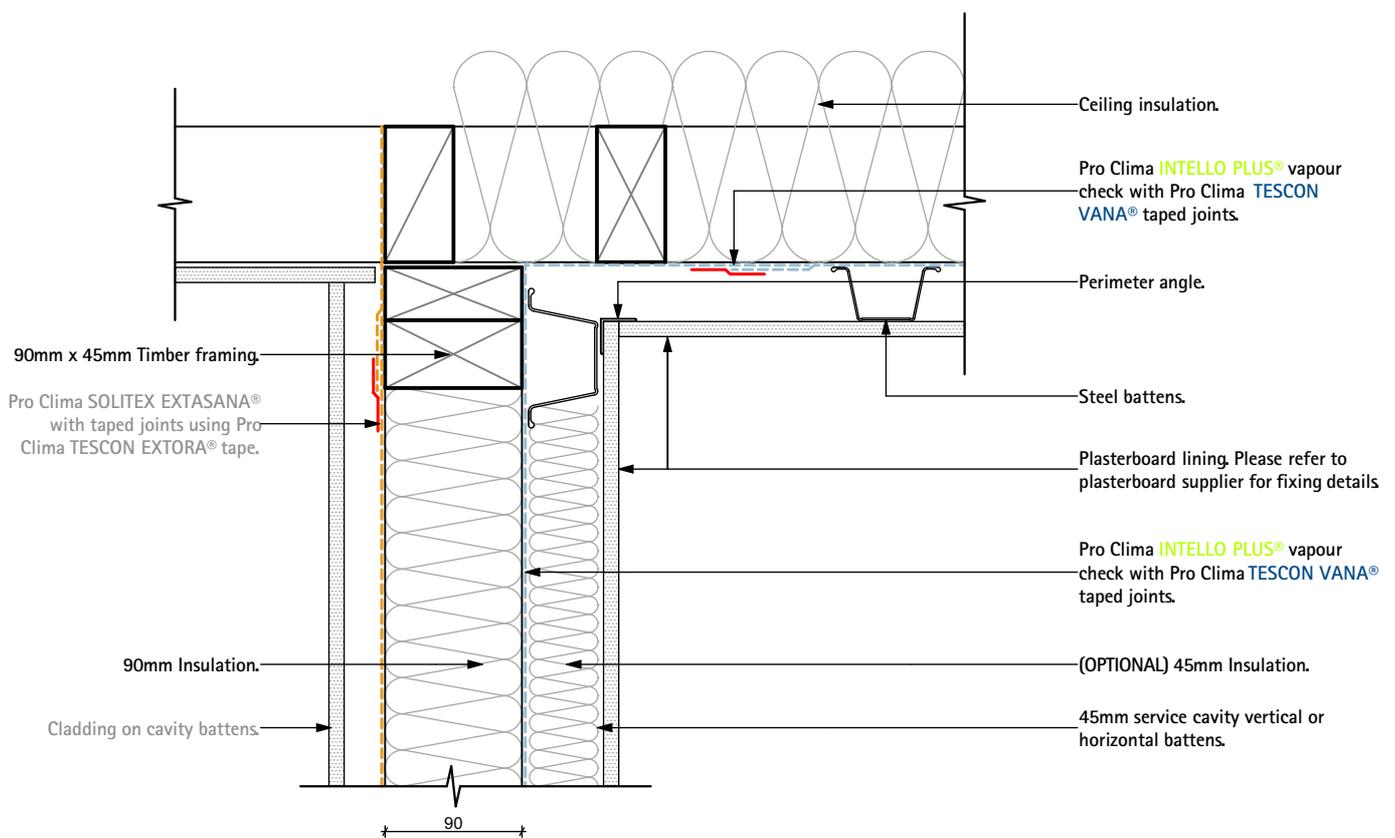
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A2121 Pro Clima Ceiling Steel Batten Detail

Typical vertical 90mm wall - Ceiling junction with 45mm service cavity



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Title:
Ceiling Steel Batten Detail

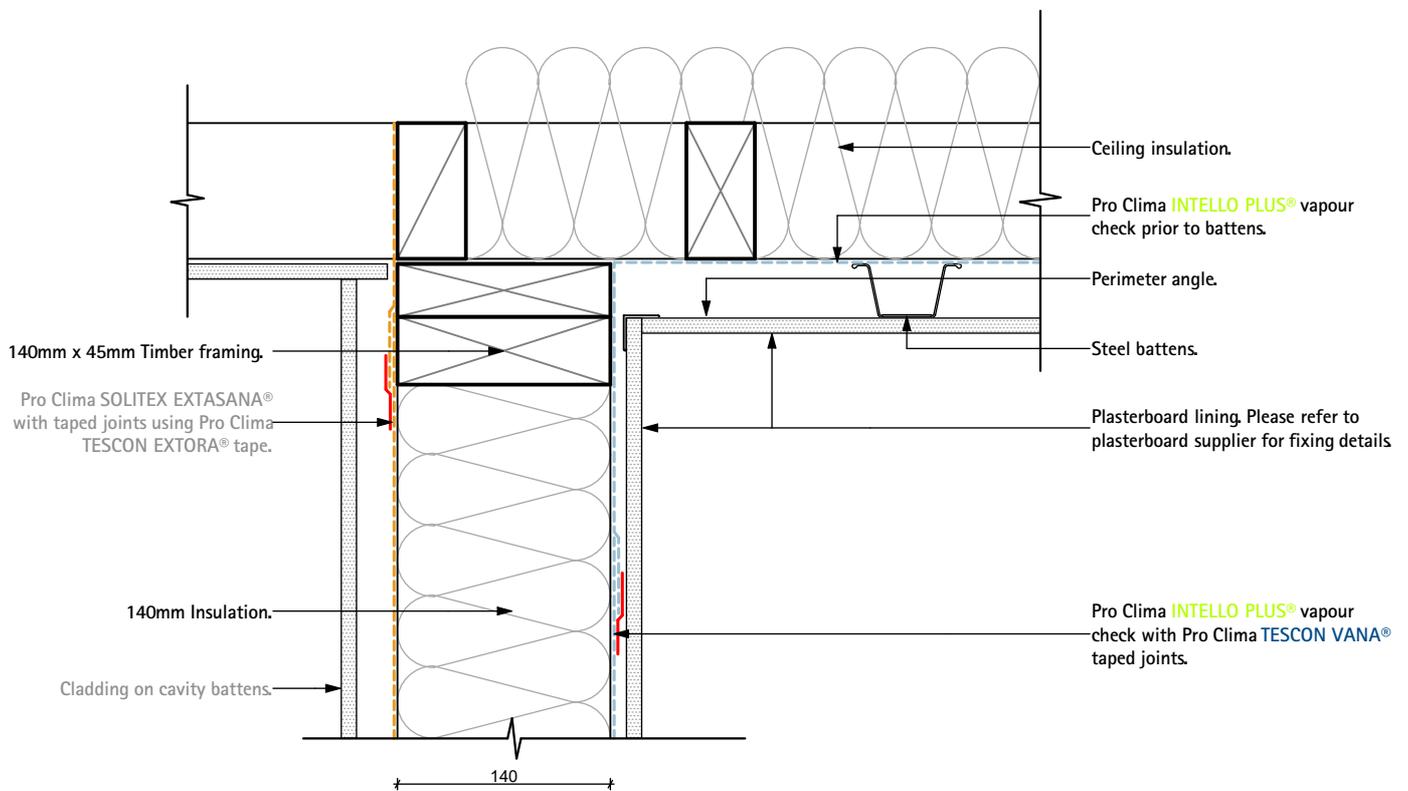
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A2122 Pro Clima Ceiling Steel Batten Detail

Typical vertical 140mm wall - Ceiling junction, Direct Fix



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Title:

Ceiling Steel Batten Detail

Scale: 1:5
Revision: D
Issued: 06-03-2019

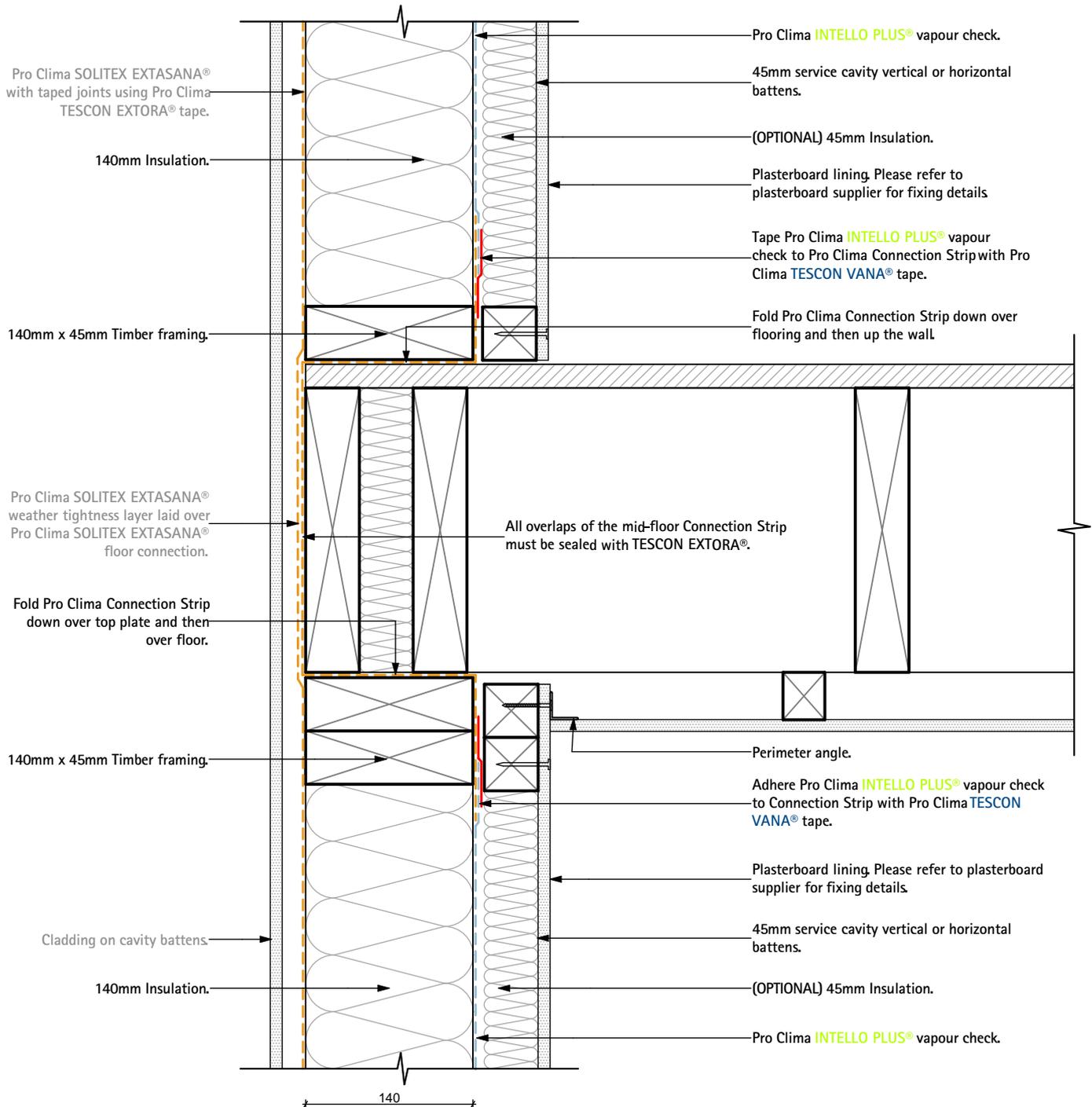
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A2211 Pro Clima Ceiling Midfloor Detail

Plattformframing



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Title:
Ceiling Midfloor Detail

Scale: 1:5
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Detail
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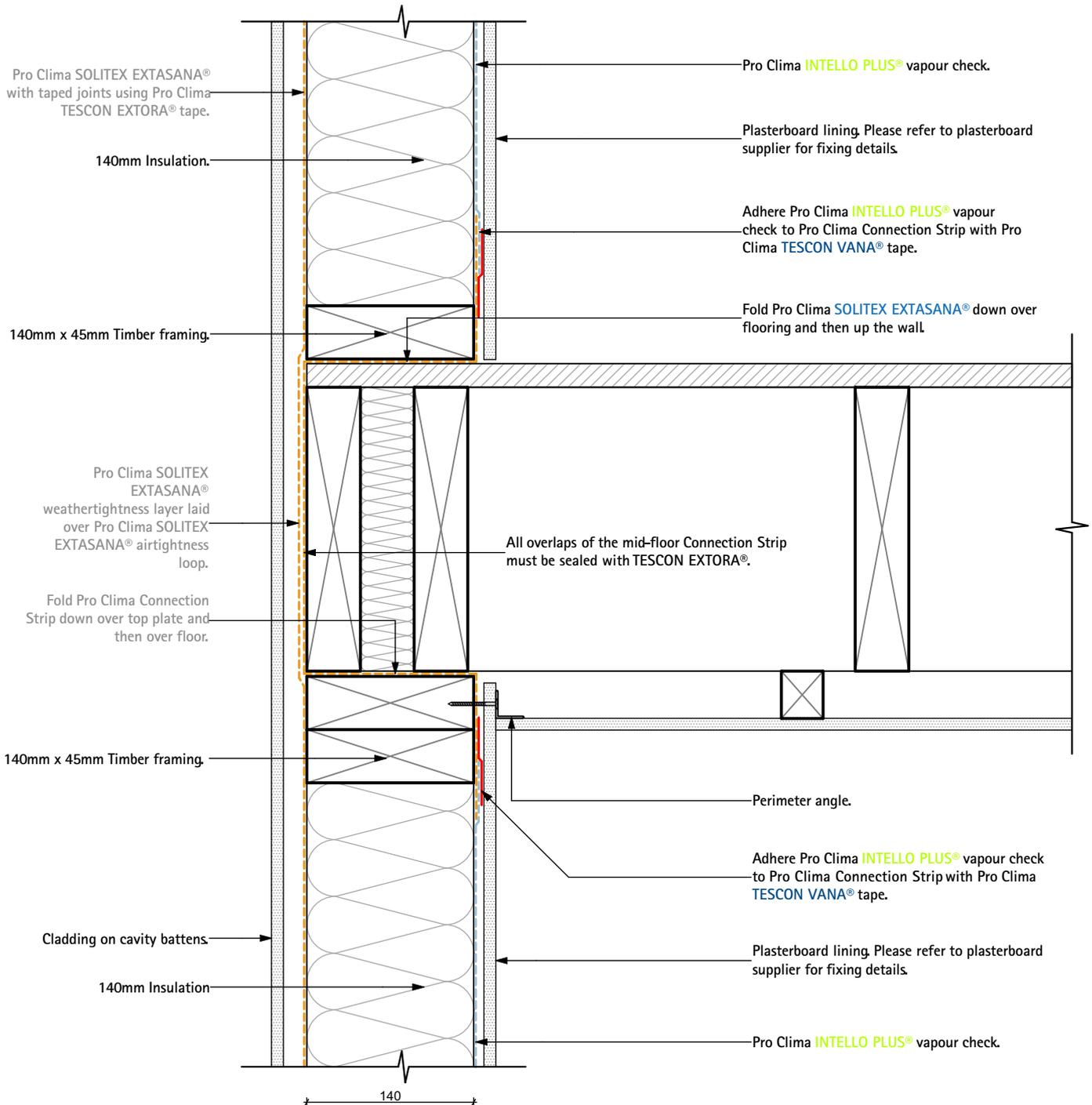
A2211

NOTE: Connection Strip must be installed during framing stage.

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A2212 Pro Clima Ceiling Midfloor Detail

Plattformframing



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Title:
Ceiling Midfloor Detail

Scale: 1:5
 Revision: D
 Issued: 06-03-2019

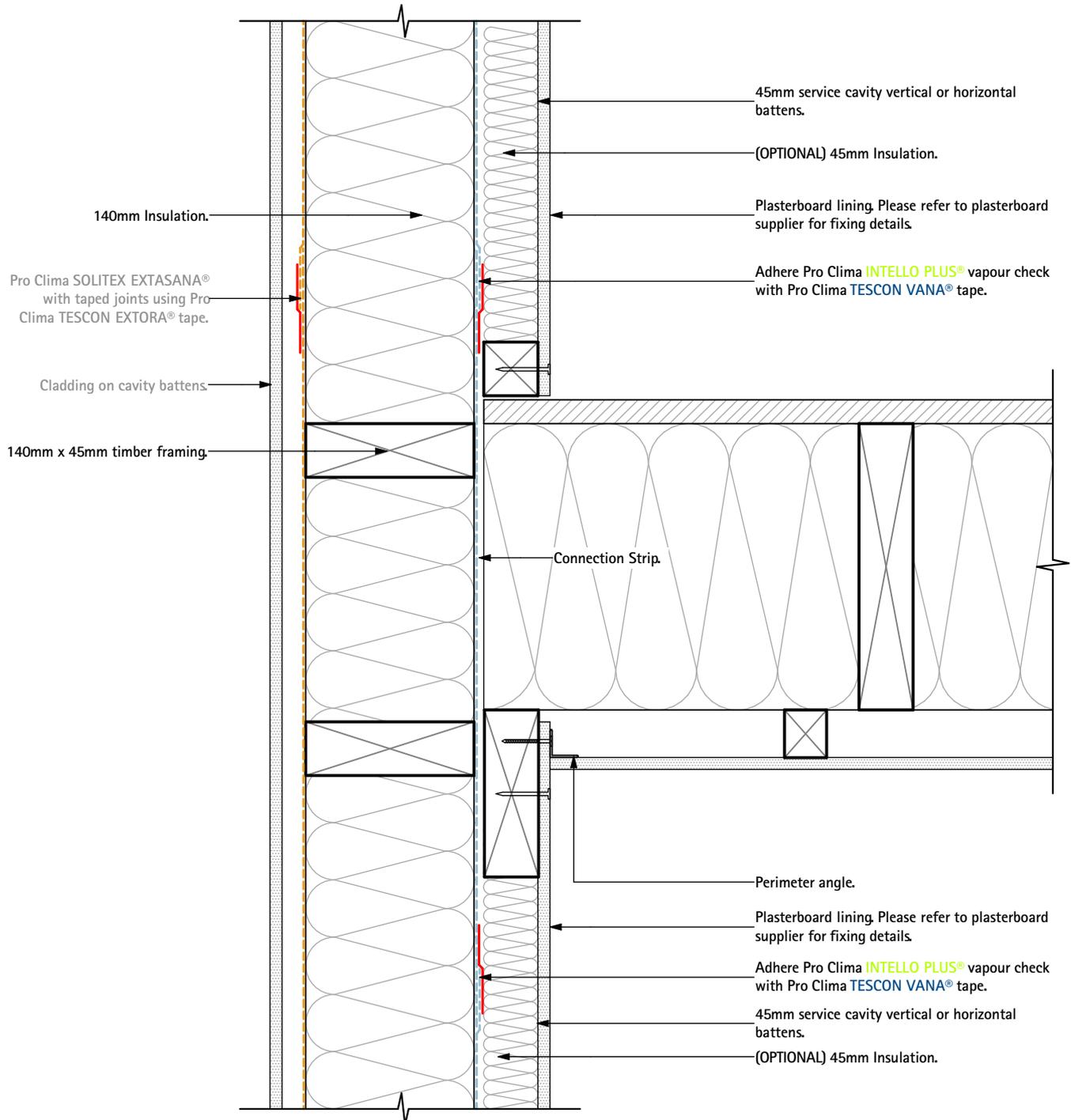
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A2213 Pro Clima Ceiling Midfloor Detail

Balloon Framing



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Title:
Ceiling Midfloor Detail

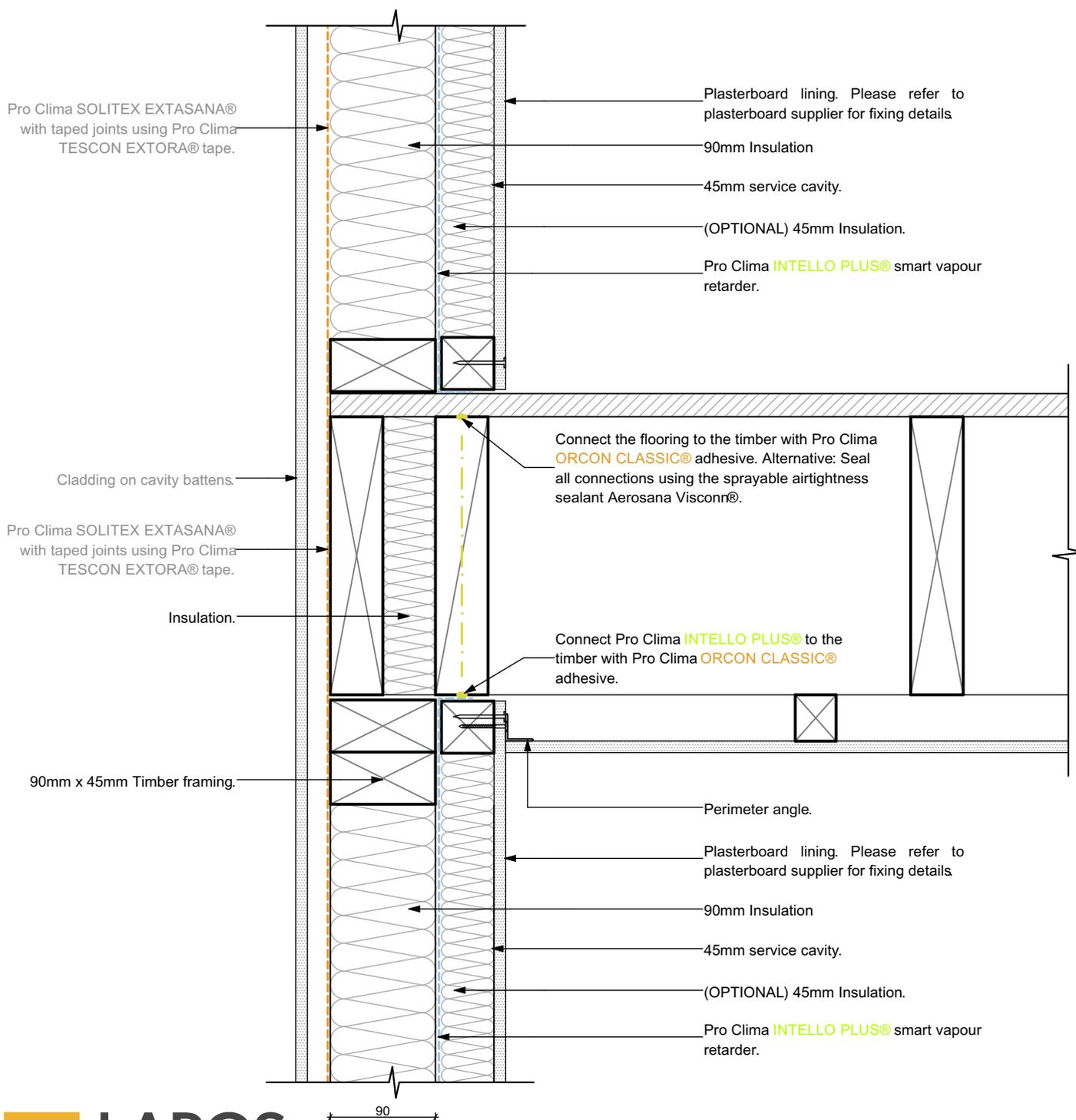
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 Issued: 06-03-2019

Detail
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A2213

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A2214 Pro Clima Ceiling Midfloor Detail



Title: Ceiling Midfloor Detail

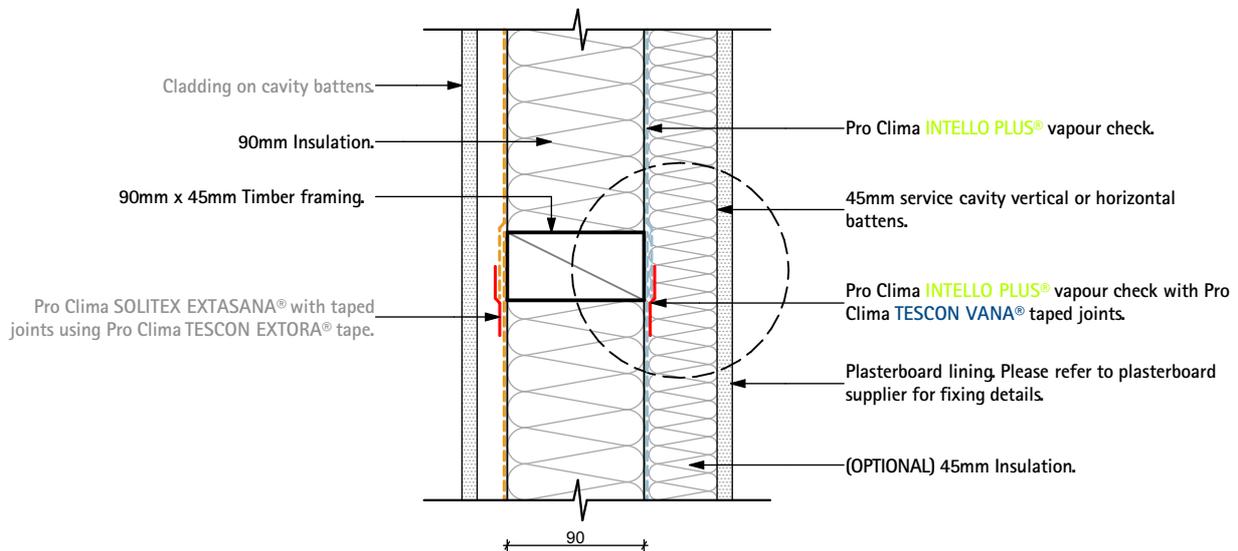
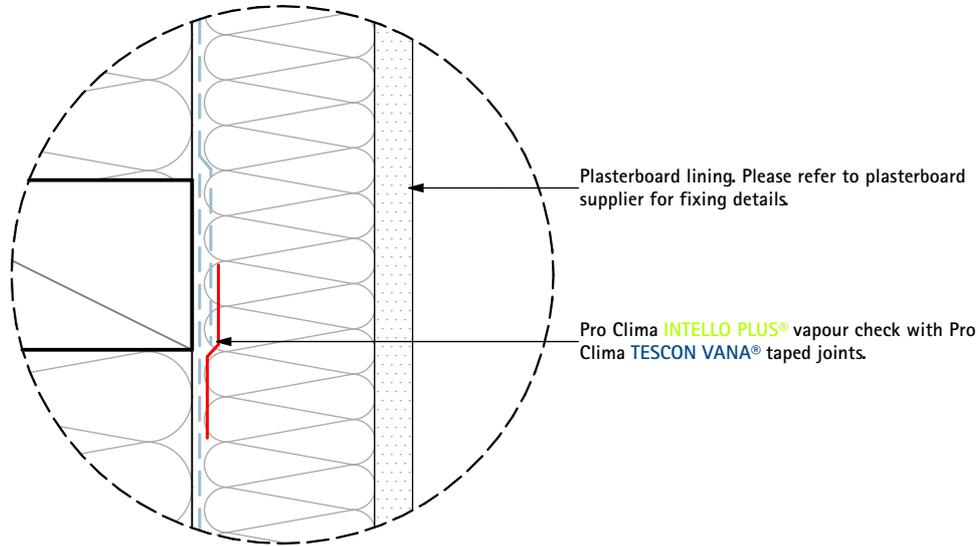
ID: A2214

Issued: 3/10/2019

Revision: D

A3111 Pro Clima Wall Timber Framing Detail

Typical vertical 90mm wall section with 45mm service cavity



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Title:
Wall Timber Framing Detail

Scale: 1:2, 1:5
 Revision: D
 Issued: 06-03-2019

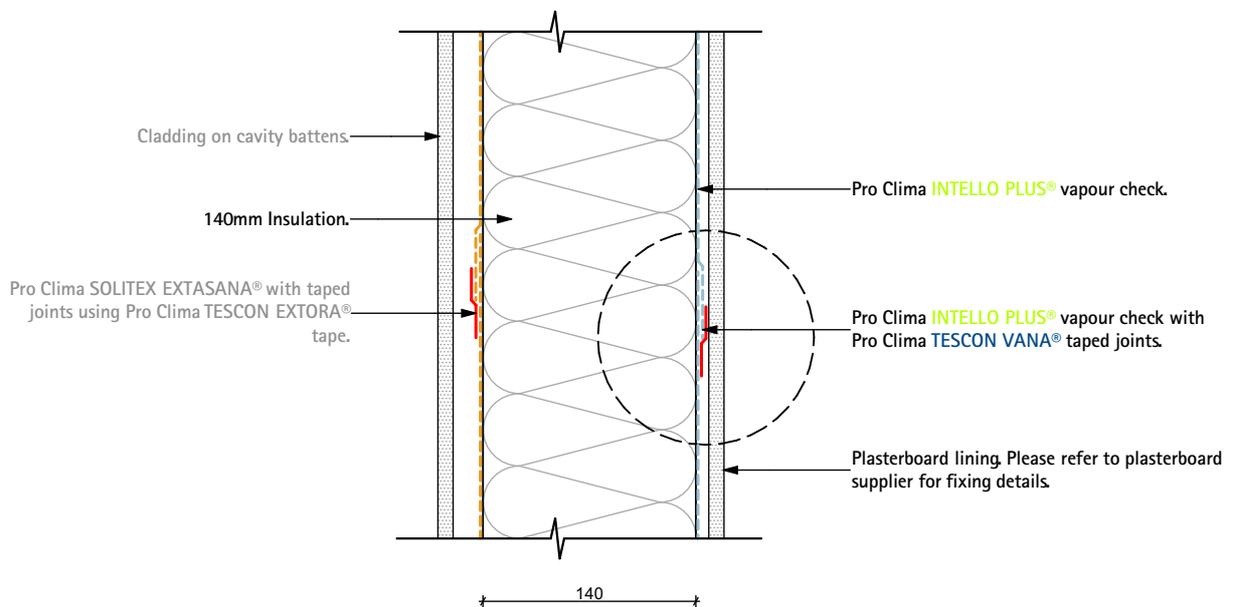
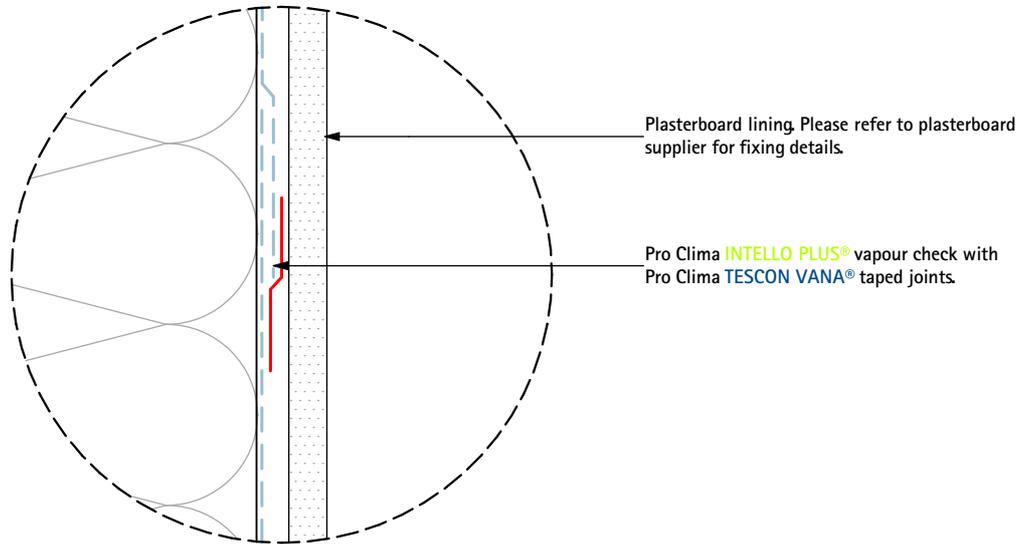
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A3111

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A3112 Pro Clima Wall Timber Framing Detail

Typical vertical 140mm wall section, direct fixing



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Title:
Wall Timber Framing Detail

Scale: 1:2, 1:5
 Revision: D
 Issued: 06-03-2019

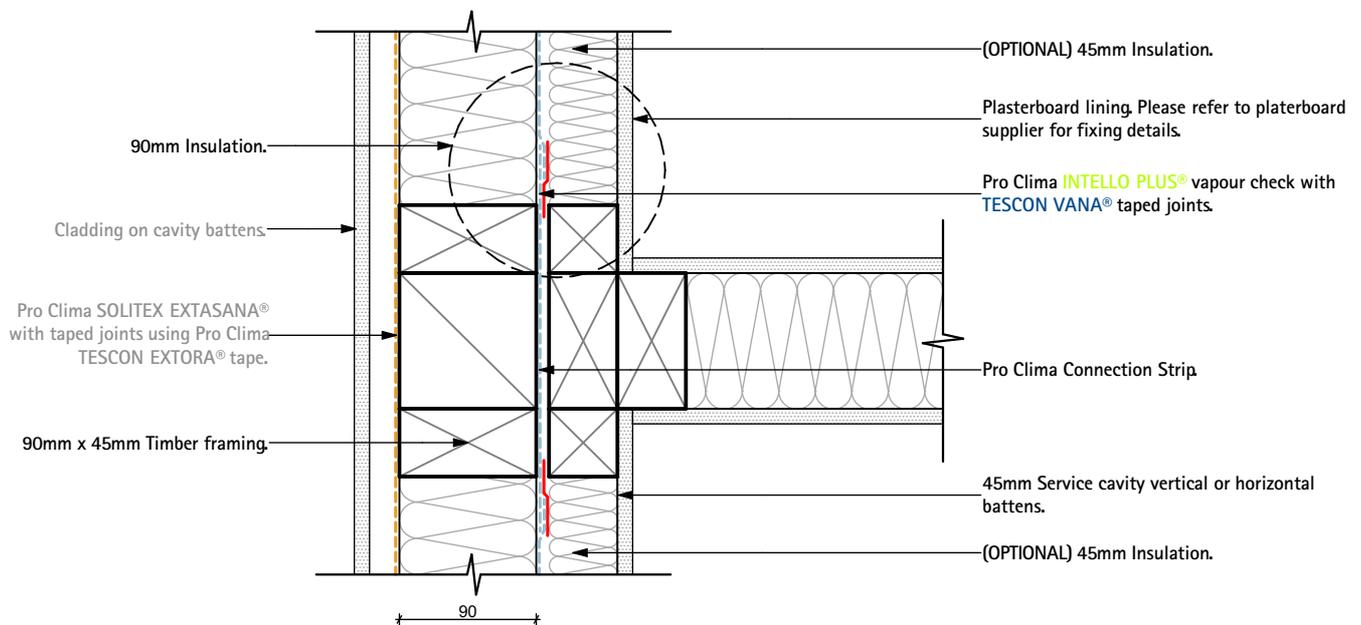
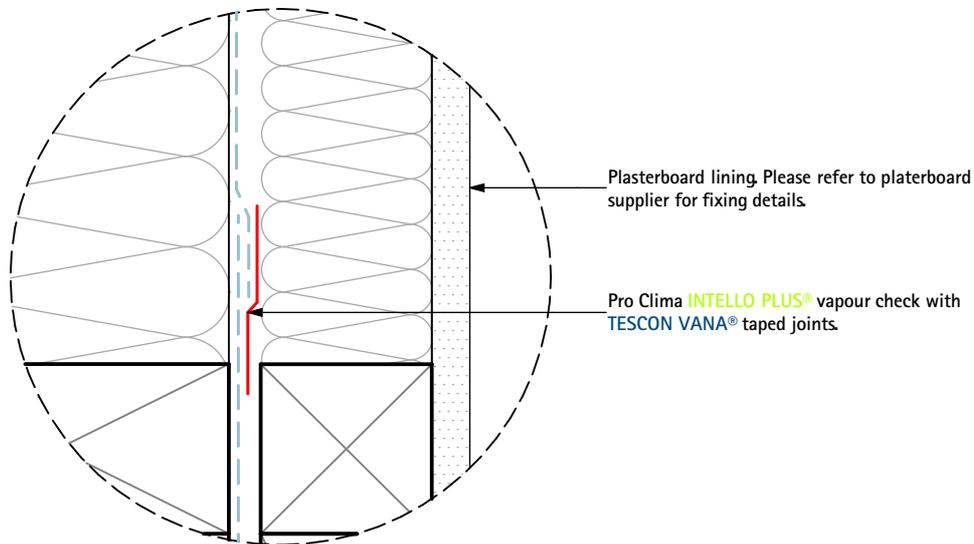
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A3112

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A3113 Pro Clima Wall Timber Framing Detail

Connection strip 90mm wall section with 45mm service cavity



NOTE: Connection Strip must be installed during framing stage.



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Title:
Wall Timber Framing Detail

Scale: 1:5, 1:2
 Revision: D
 Issued: 06-03-2019

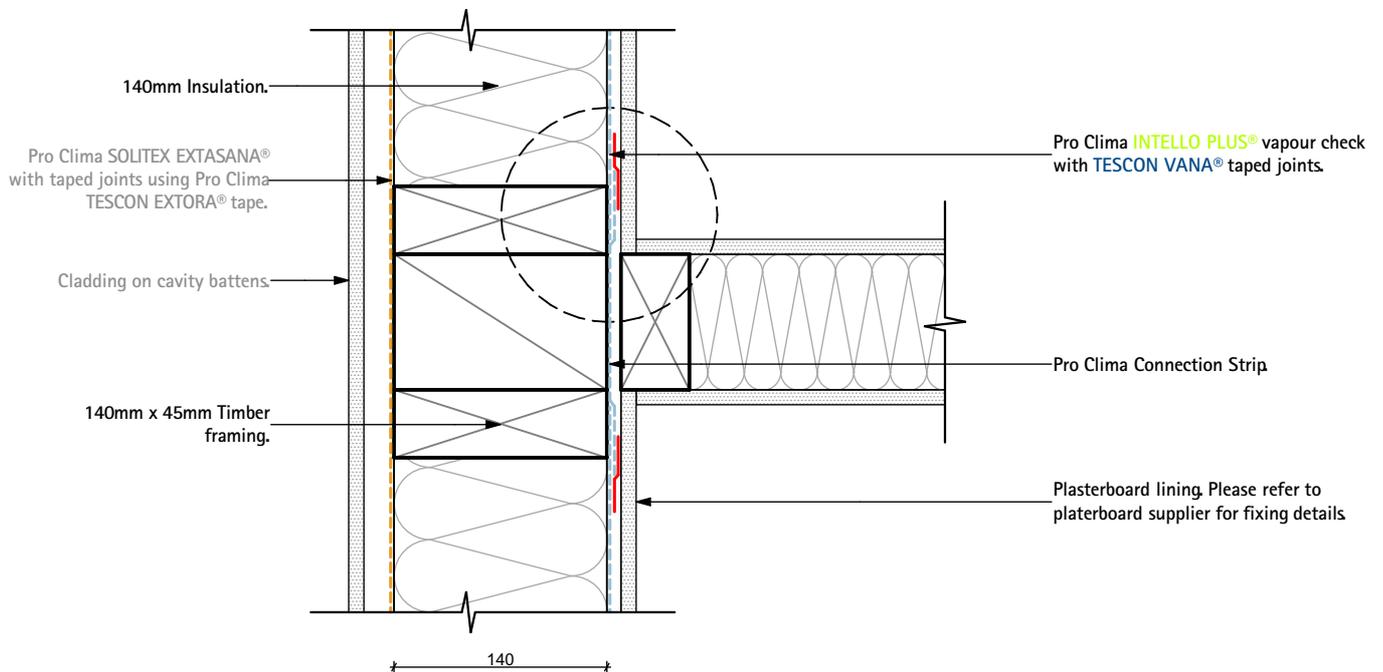
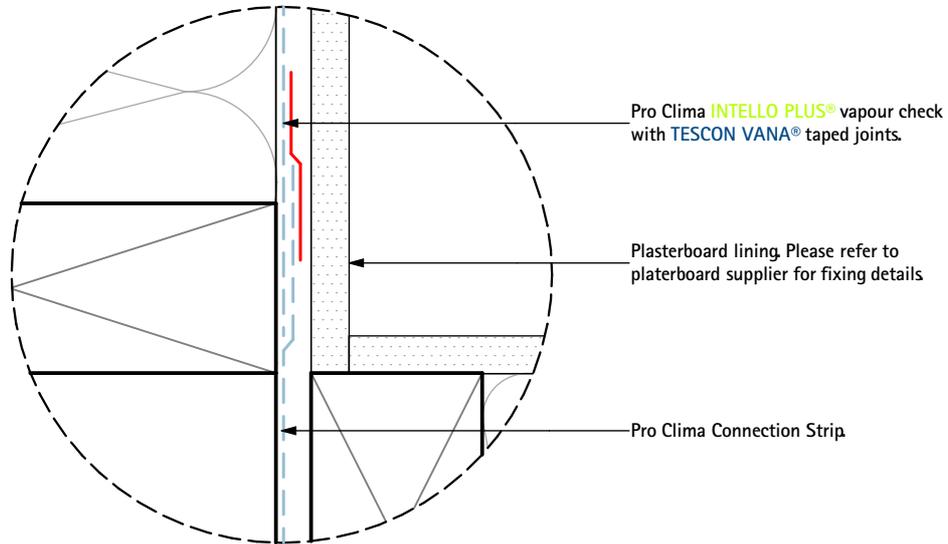
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A3114 Pro Clima Wall Timber Framing Detail

Connection strip 140mm wall section, Direct fixing



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Title:

Wall Timber Framing Detail

Scale: 1:2, 1:5
Revision: D
Issued: 06-03-2019

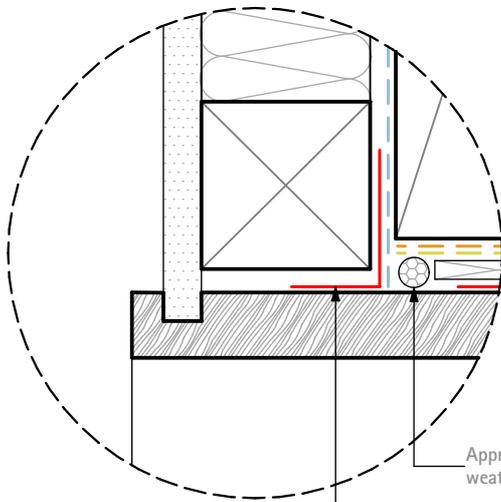
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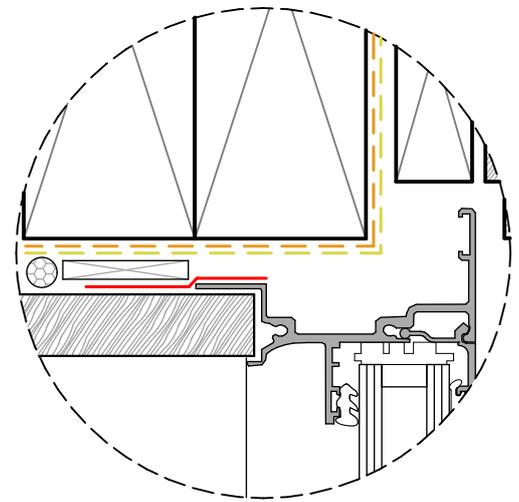
A4211 Pro Clima Door / Window Joinery Aluminium Head Detail

Typical vertical 90mm wall - Window head detail with 45mm service cavity

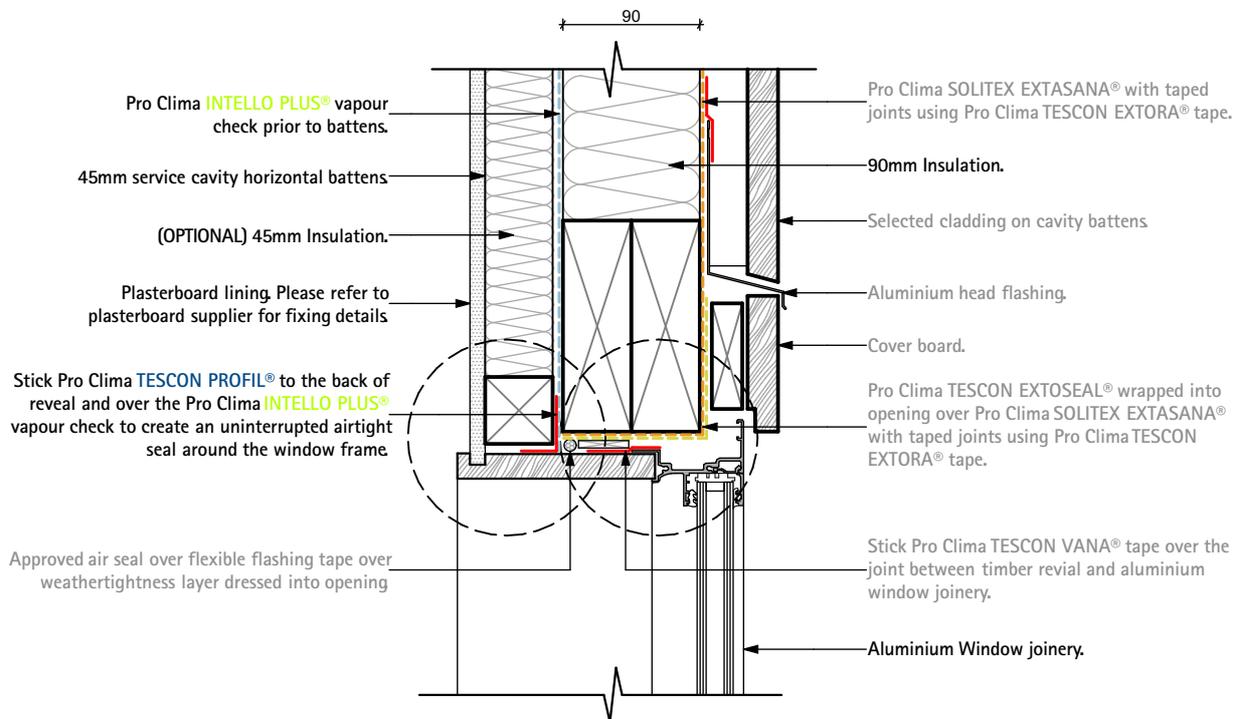


Approved air seal over flexible flashing tape over weathertightness layer dressed into opening

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Title:

Door / Window Joinery Aluminium Head Detail

Scale: 1:2, 1:5
Revision: D
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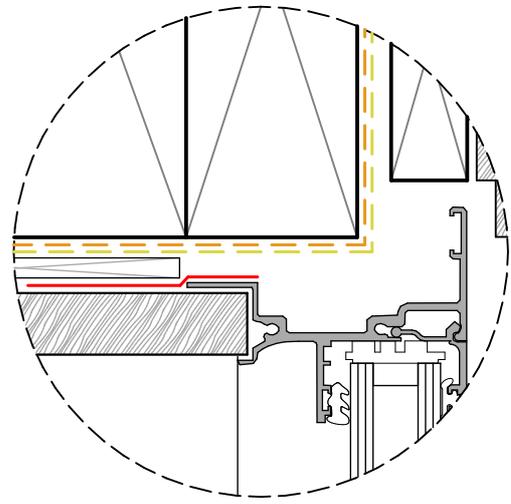
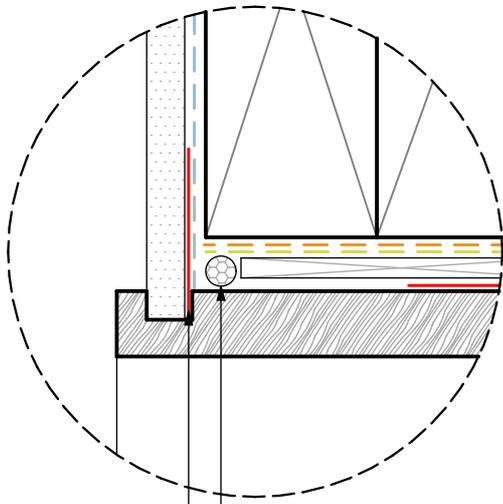
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A4212 Pro Clima Door / Window Joinery Aluminium Head Detail

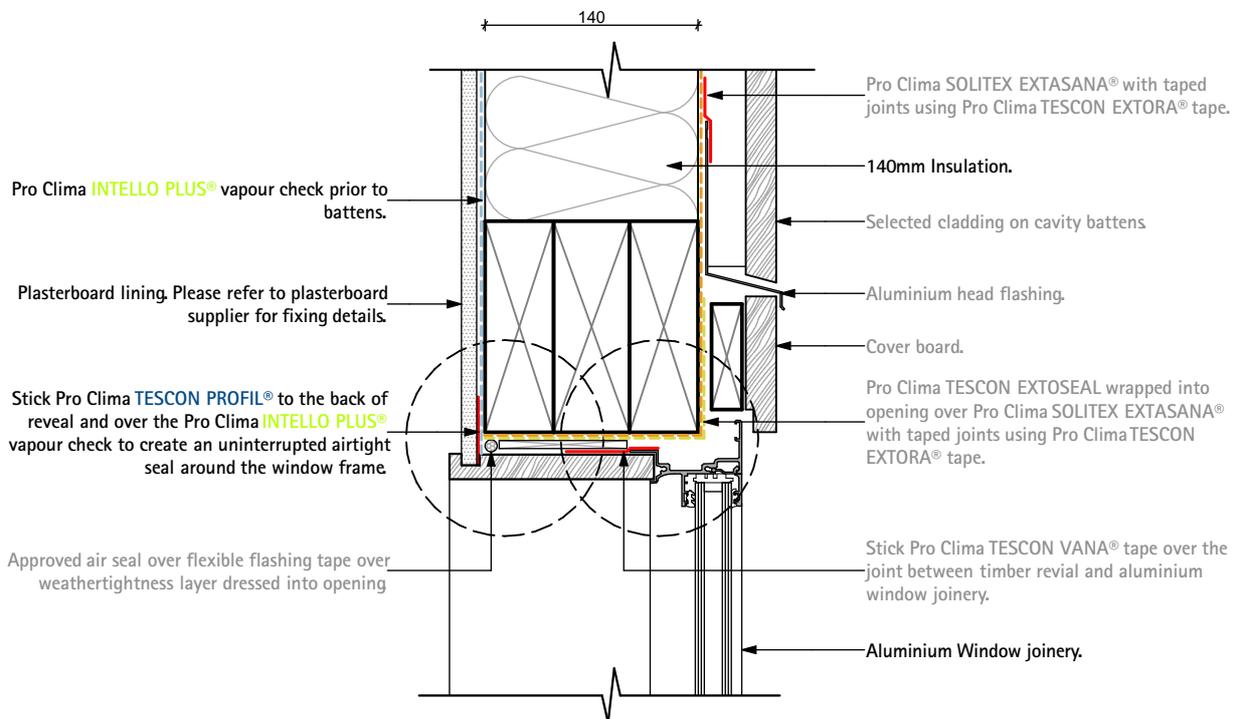
Typical vertical 140mm wall - Window head detail, Direct fixing



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Title:
Door / Window Joinery Aluminium Head Detail

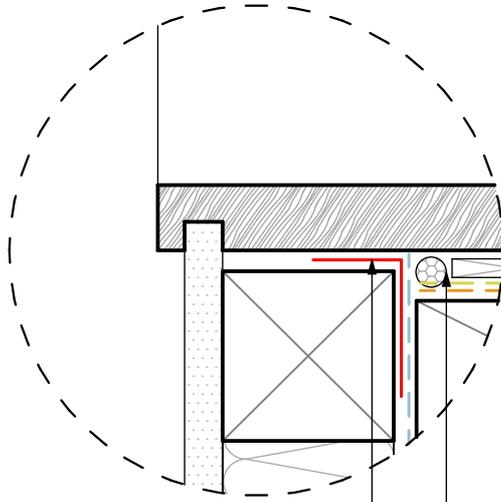
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Detail
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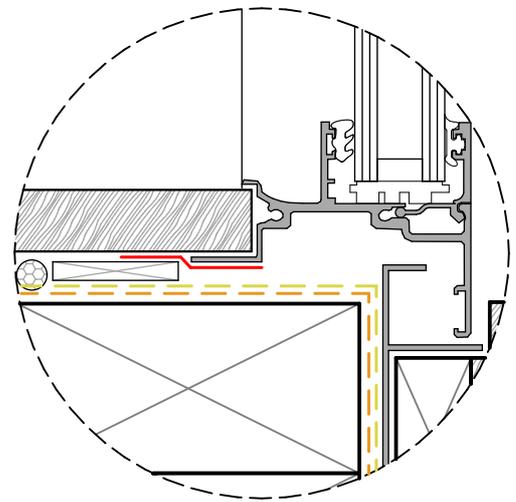
A4221 Pro Clima Door / Window Joinery Aluminium Jamb Detail

Typical vertical 90mm wall – Window jamb detail with 45mm service cavity

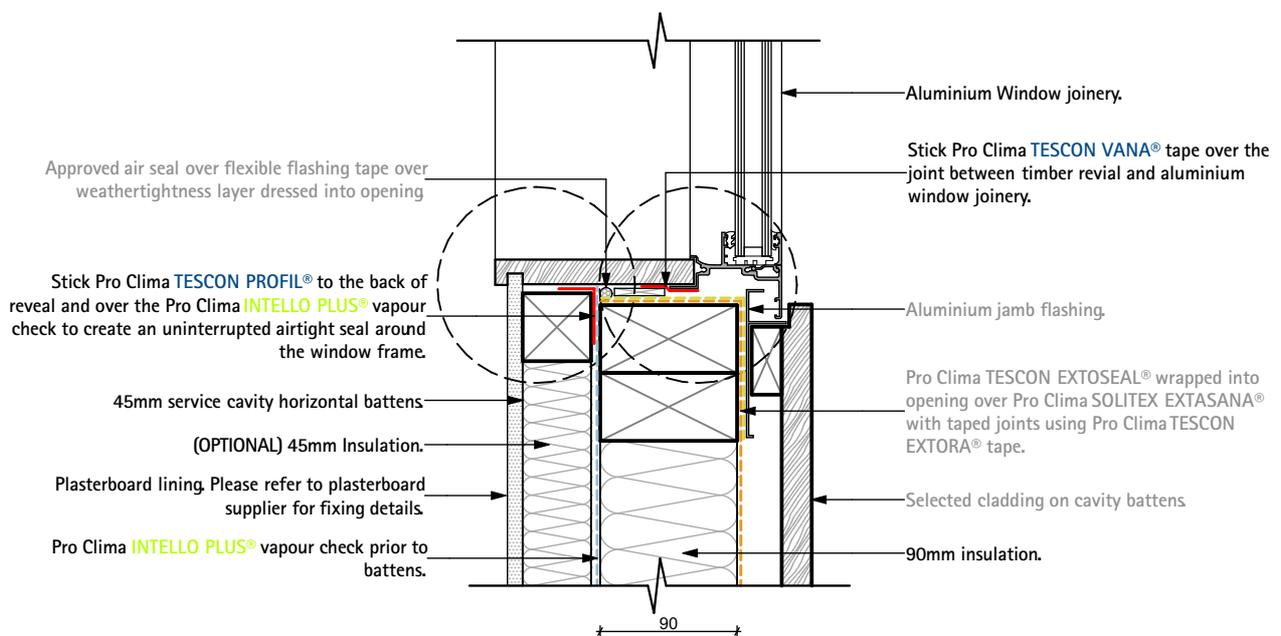


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Title:
Door / Window Joinery Aluminium Jamb Detail

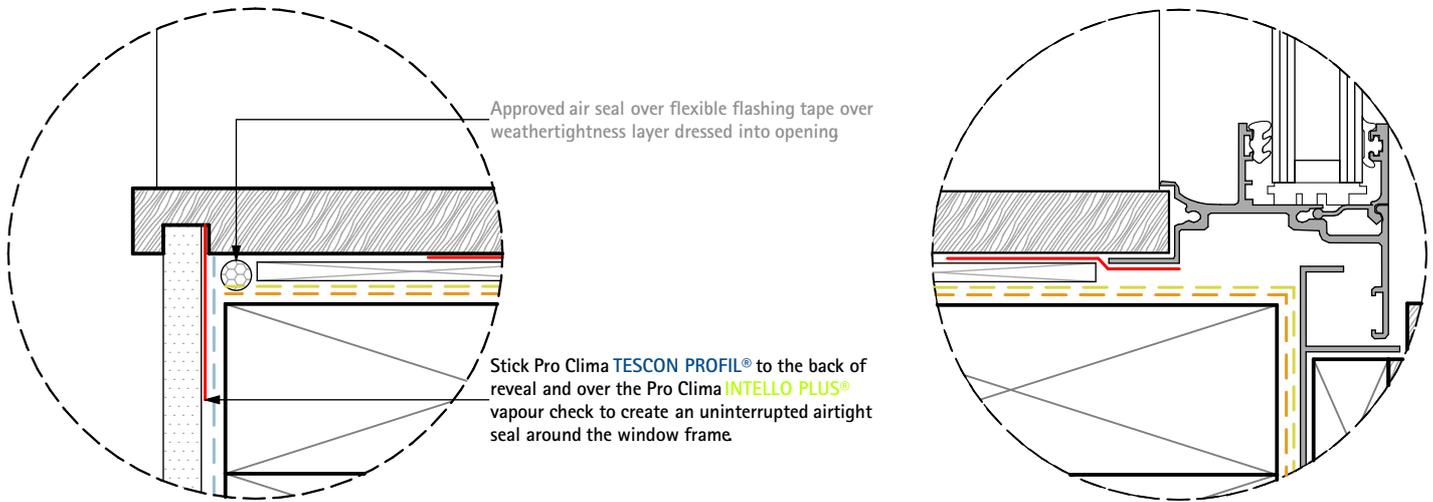
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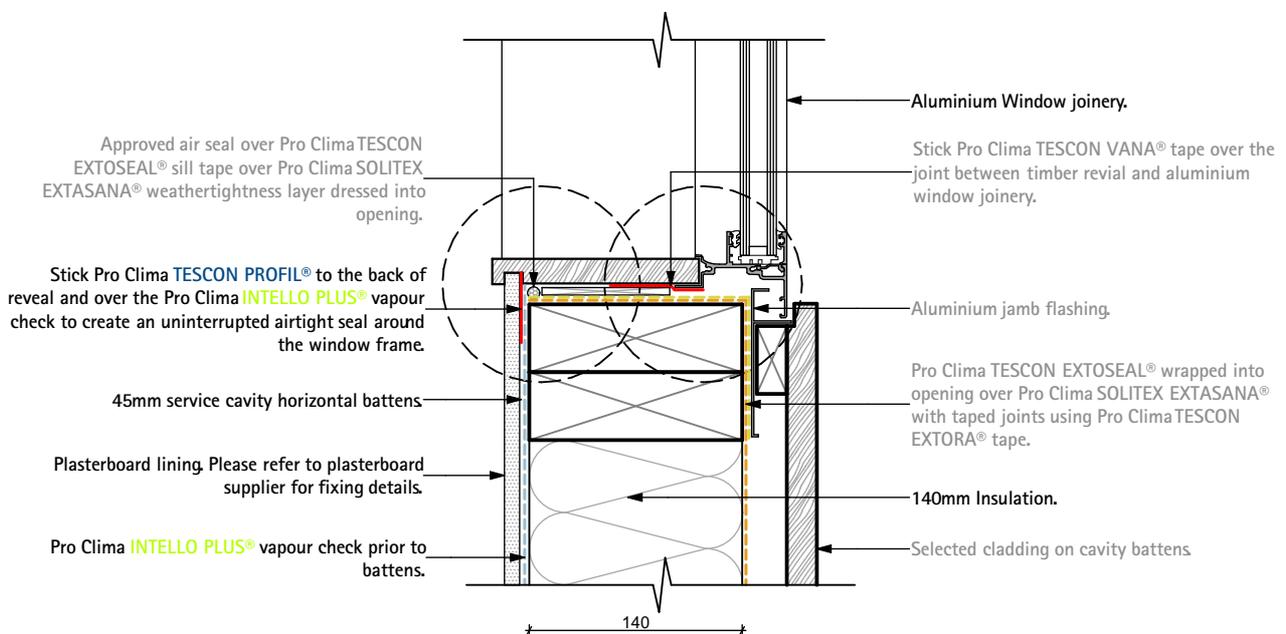
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A4222 Pro Clima Door / Window Joinery Aluminium Jamb Detail

Typical vertical 140mm wall - Window jamb detail, Direct fixing



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Title:

Door / Window Joinery Aluminium Jamb Detail

Scale: 1:2, 1:5
Revision: D
Issued: 06-03-2019

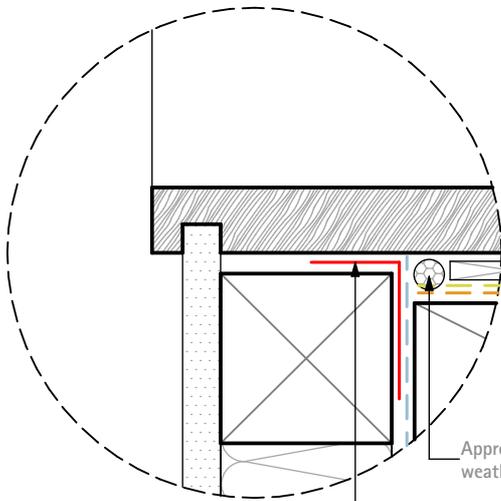
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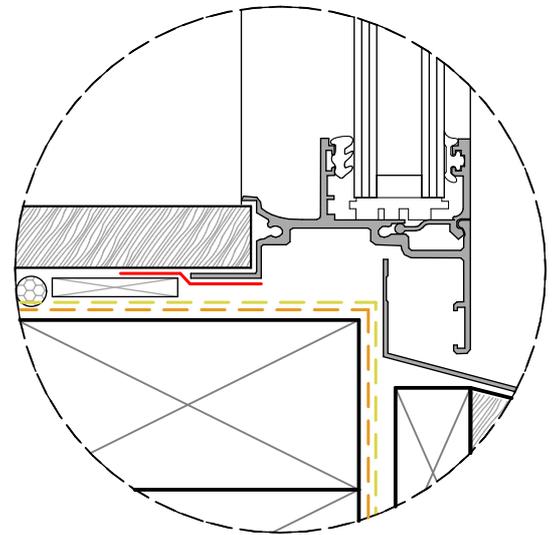
A4231 Pro Clima Door / Window Joinery Aluminium Sill Detail

Typical vertical 90mm wall – Window sill detail with 45mm service cavity

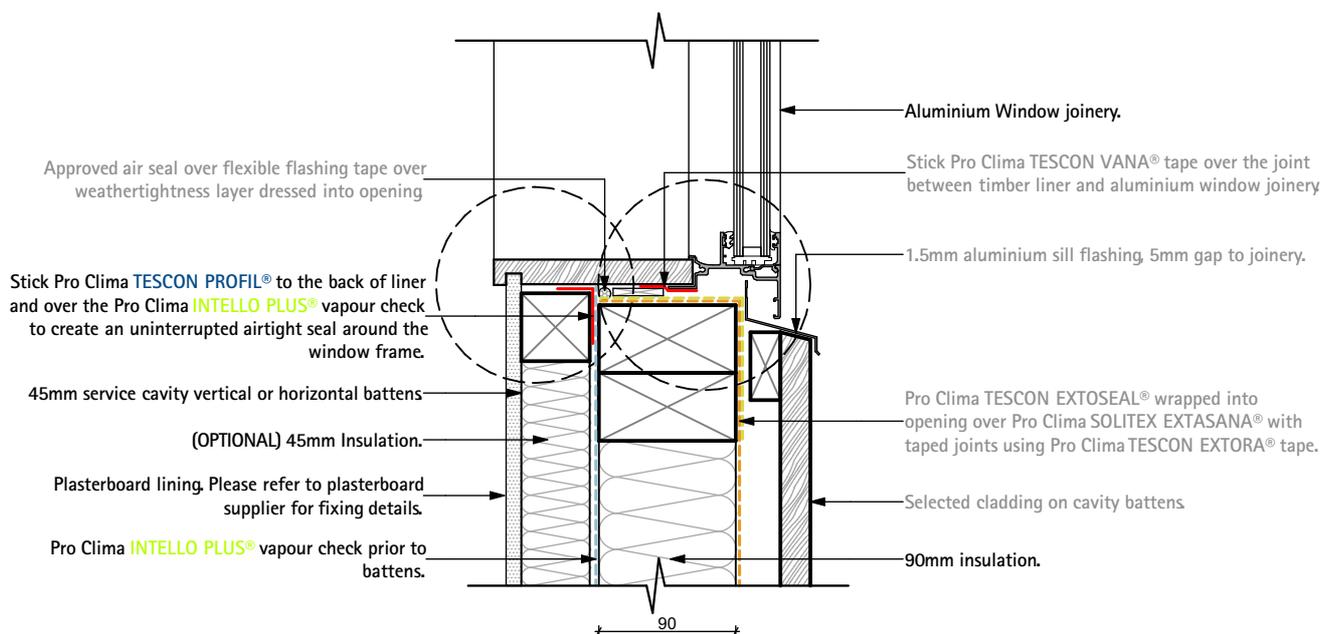


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Title:

Door / Window Joinery Aluminium Sill Detail

Scale: 1:2, 1:5
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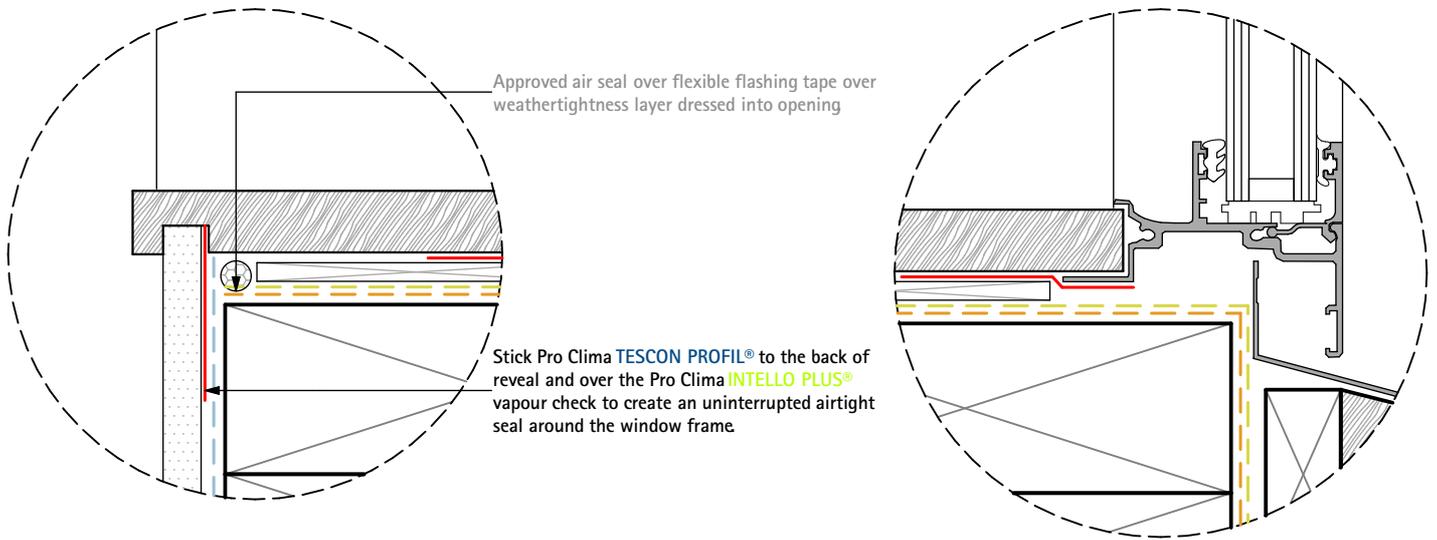
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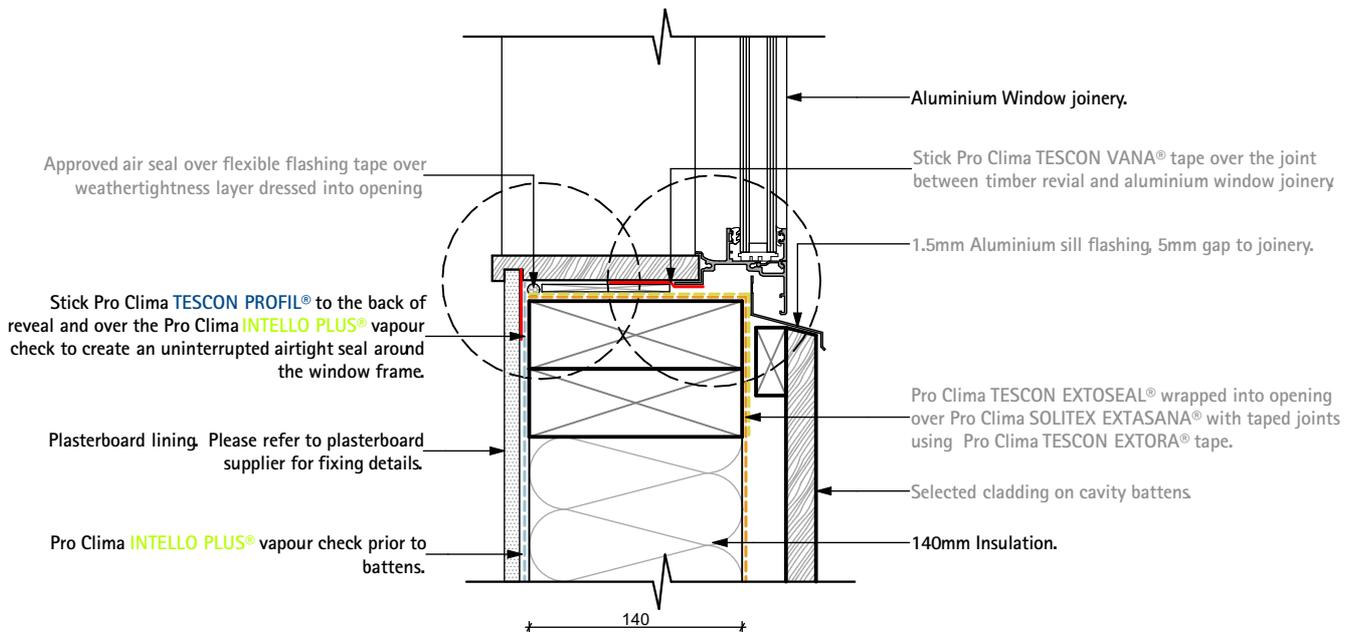
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A4232 Pro Clima Door / Window Joinery Aluminium Sill Detail

Typical vertical 140mm wall - Window sill detail, Direct fixing



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Title:

Door / Window Joinery Aluminium Sill Detail

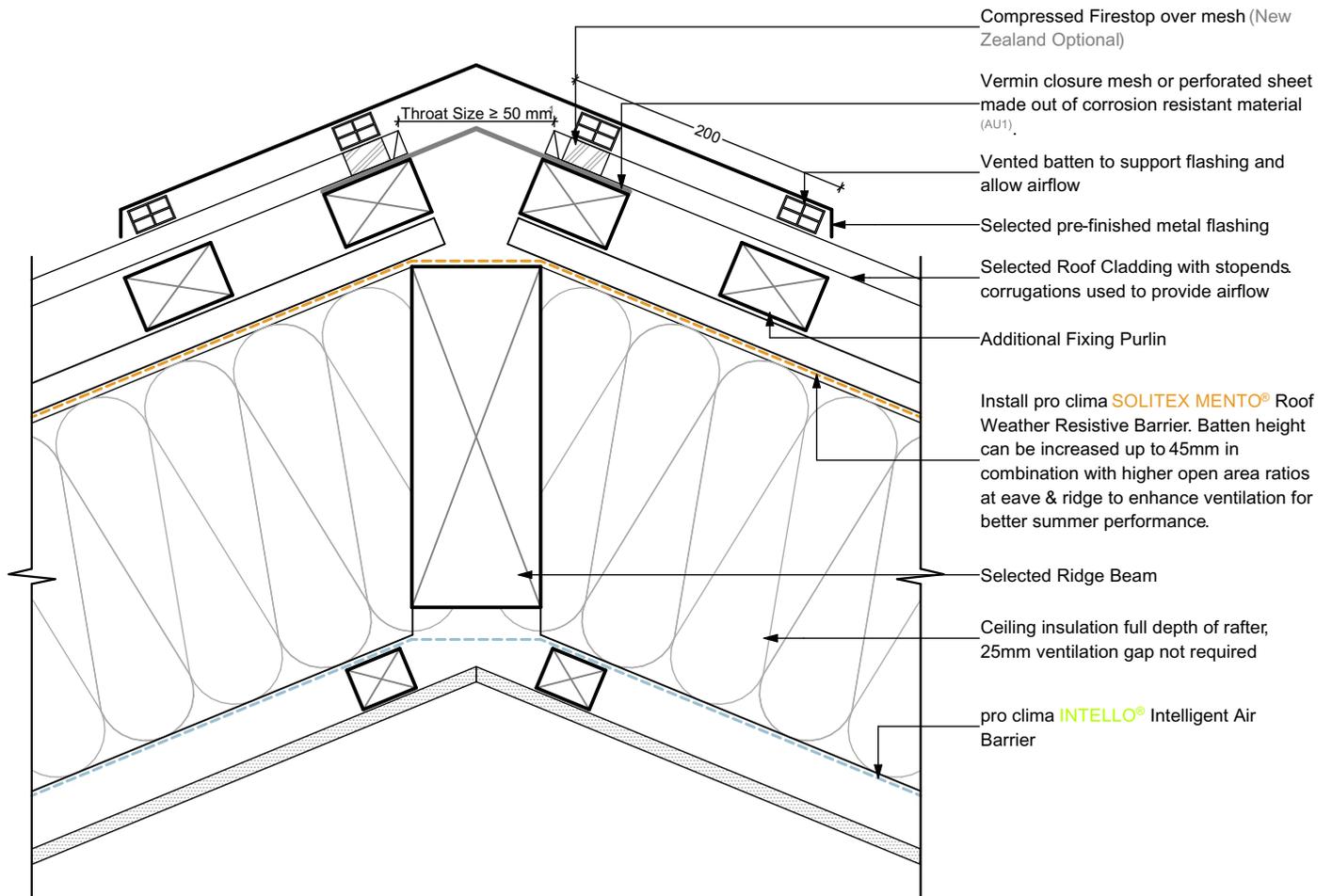
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A4232

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W1111-1 Pro Clima Roof Skillion-Vented Ridge Cap for Normal Ventilation



NOTE: Minimum 10° Pitch without rigid sheathing board

NOTES:

1: For a throat size of 50 mm a mesh of at least 10% free open area must be selected to achieve normal ventilation.

(Australia Only)

1: Cavity Closer must meet AS 3959 requirements for bushfire protection up to BAL 40 can be achieved by fitting an ember guard made of non-combustible material a mesh or perforated sheet with ≤ 2 mm holes and made of corrosion resistant steel or bronze.



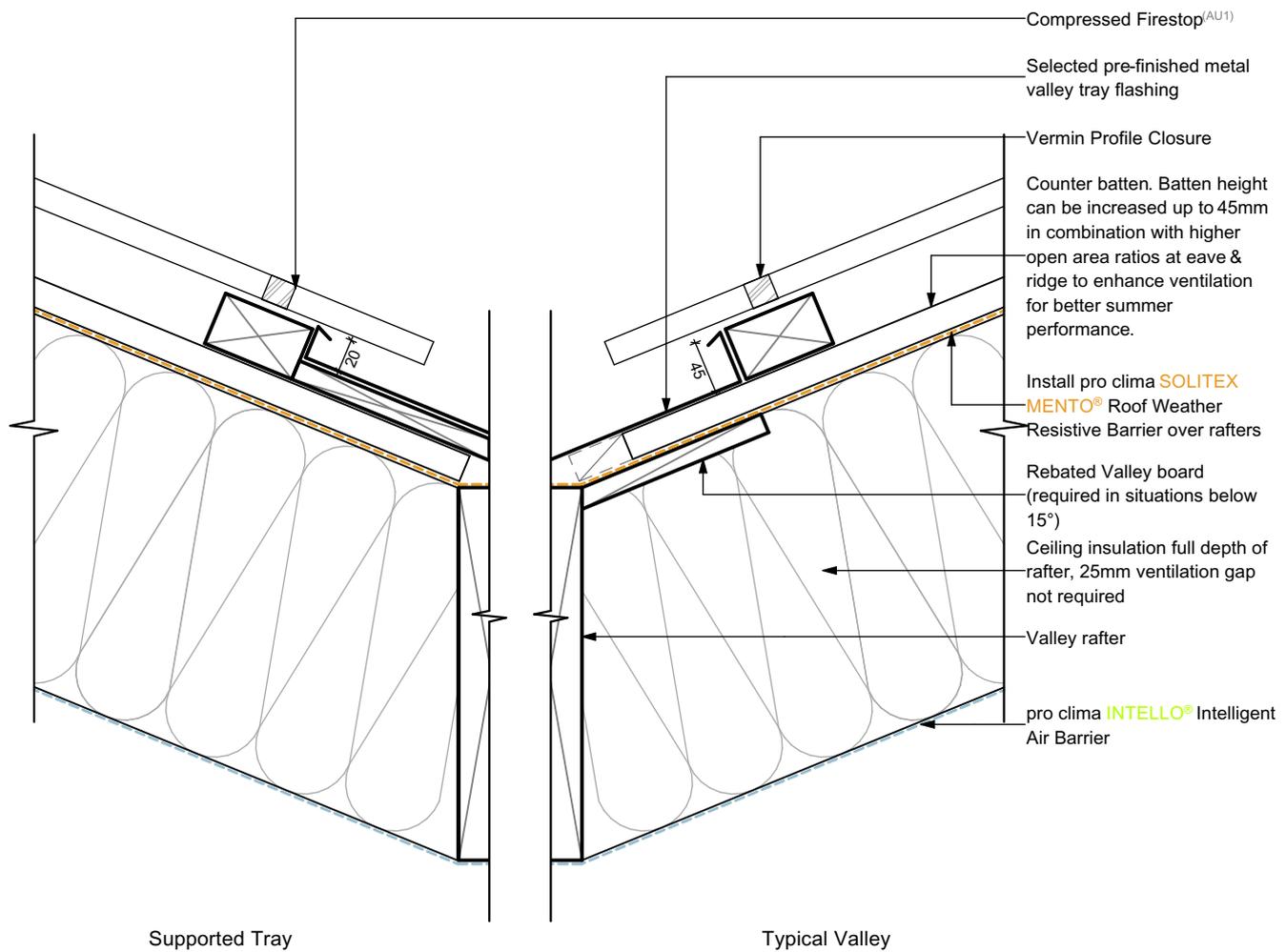
Title:Roof Skillion-Vented Ridge Cap for Normal Ventilation

Description: Skillion , 20x45 counter batten, Normal Ventilation, 50cm2/m vented ridge cap over cladding corrugations

ID: W1111-1 Issued: 25/05/2020 Revision: D

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W1121-1.1 Pro Clima Typical Valley Details, 20x45 Counter Battens



AUSTRALIA ONLY:

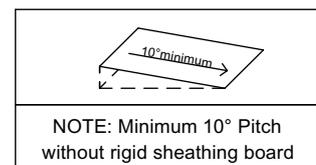
1: Vents/Cavity closers must meet AS 3959 requirements for bushfire protection up to BAL40.



Title: Typical Valley Details, 20x45 Counter Battens

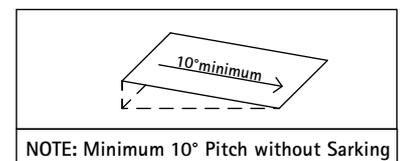
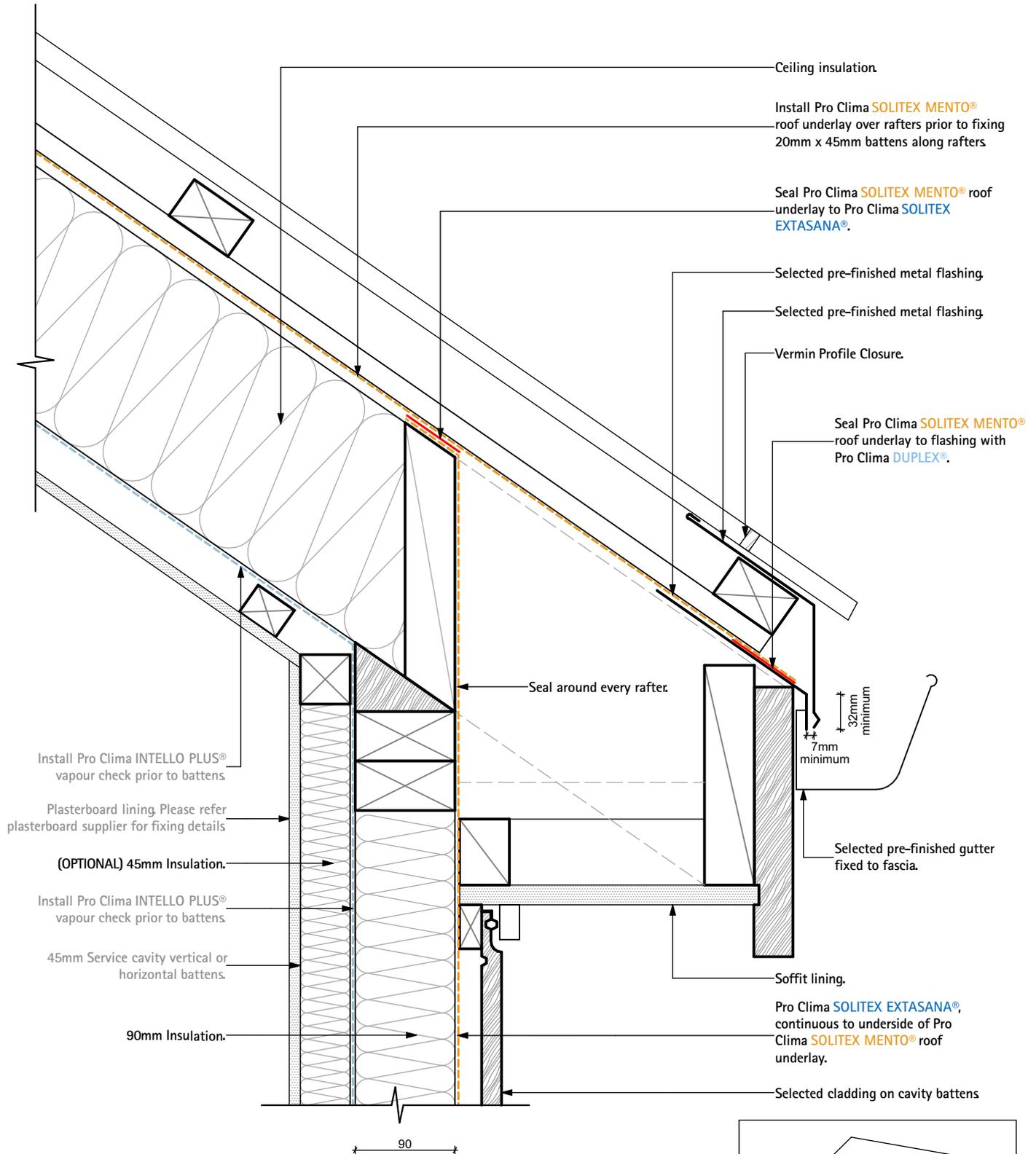
ID: W1121-1.1 Issued: 9/06/2020 Revision: D

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W1131 Pro Clima Skillion Eave Detail

Standard



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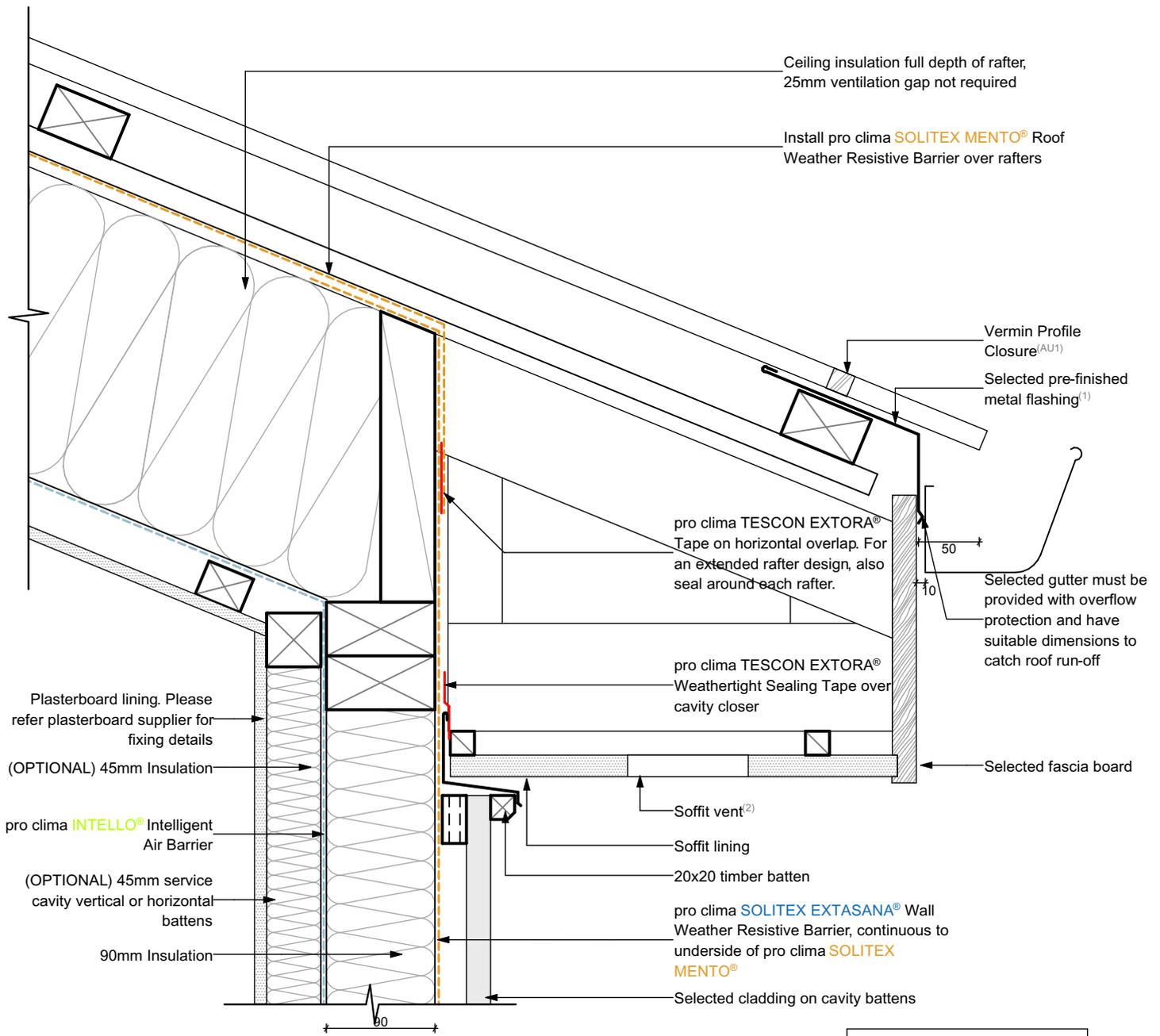
Title:
Skillion Eave Detail

Scale: 1:5
 Revision: D
 Issued: 06-03-2019

Detail
 Number: **W1131**

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W1131-1 Pro Clima Skillion Eave - Vented Soffit



NOTES:

- 1: Additional ventilation can be achieved to increase the purge rate of heat in summer by utilising a perforated flashing at the eave.
- 2: For normal ventilation eaves soffit vents with an aggregated free opening area equal to 200cm² per linear metre of eave shall be distributed evenly around eaves and used in combination with 20mm high counter battens.
For strong ventilation eave soffit vents with an aggregated free opening area equal to 400cm² per linear metre of eave shall be distributed evenly around eaves and used in combination with 45mm high counter battens.

AUSTRALIA ONLY:

- 1: Vents/Cavity closers must meet AS 3959 requirements for bushfire protection up to BAL40. This can be achieved by fitting an ember guard made of non-combustible material or a mesh or perforated sheet with ≤ 2 mm holes and made of corrosion-resistant steel or bronze.



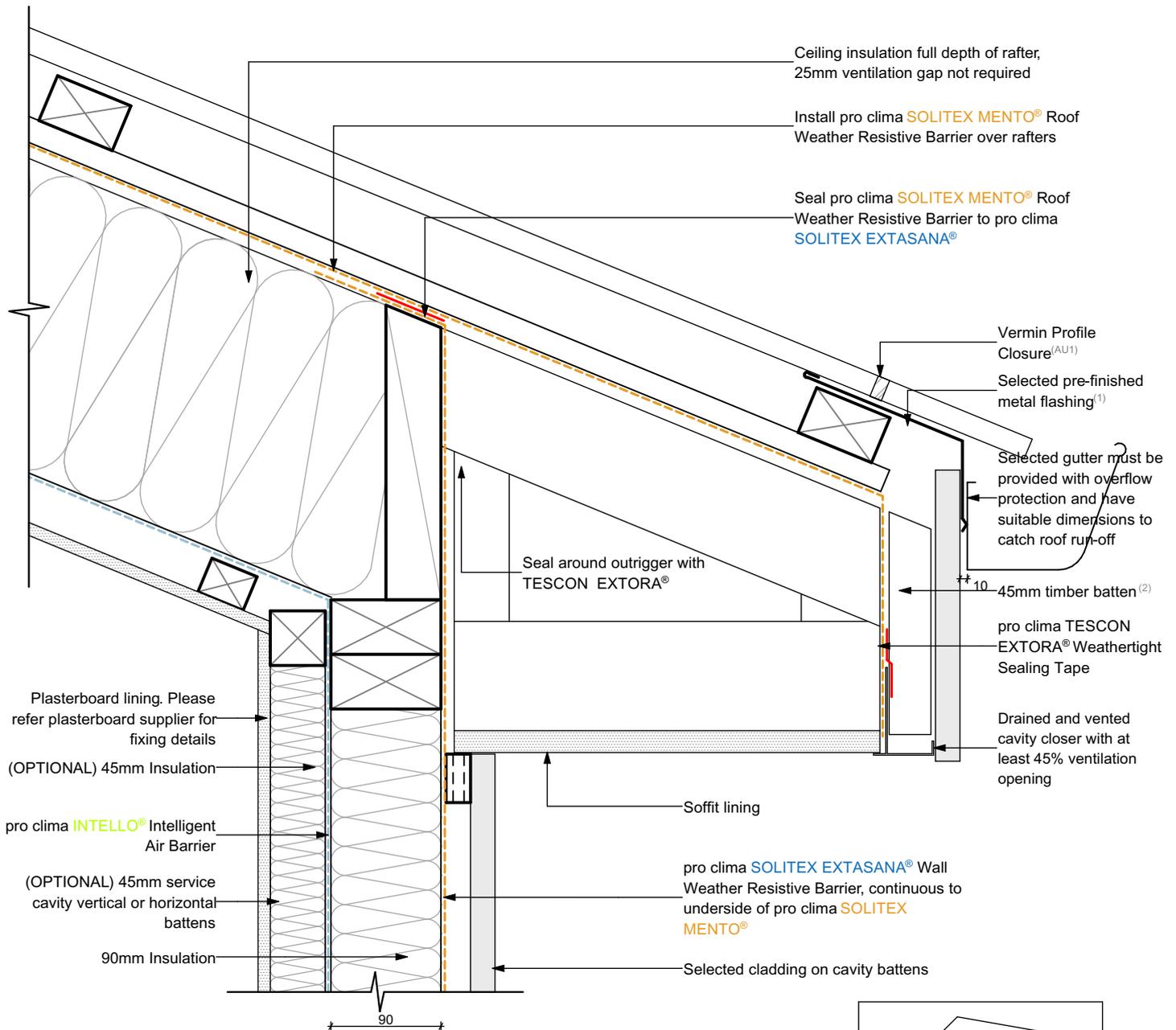
Title: Skillion Eave - Vented Soffit

ID: W1131-1 Issued: 25/05/2020 Revision: D



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W1131-3 Pro Clima Skillion Eave - Vented Fascia



NOTE: Minimum 10° Pitch without rigid sheathing board

NOTES:

1: Additional ventilation can be achieved to increase the purge rate of heat in summer by utilising a perforated flashing at the eave.

2: Normal Ventilation: Timber packer should be 45mm in combination with at least 45% open area cavity closer.

Strong Ventilation: Timber packer should be 90mm in combination with at least 45% open area cavity closer.

The depth of the cavity can be reduced for cavity dosers with higher open area ratios.

Ventilation = (Packer) x (Open Area Ratio)

Normal Ventilation ≥ 200cm²/m

Strong Ventilation ≥ 400cm²/m

AUSTRALIA ONLY:

1: Vents/Cavity closers must meet AS 3959 requirements for bushfire protection up to BAL40. This can be achieved by fitting an ember guard made of non-combustible material or a mesh or perforated sheet with ≤ 2 mm holes and made of corrosion-resistant steel or bronze.



Title: Skillion Eave - Vented Fascia

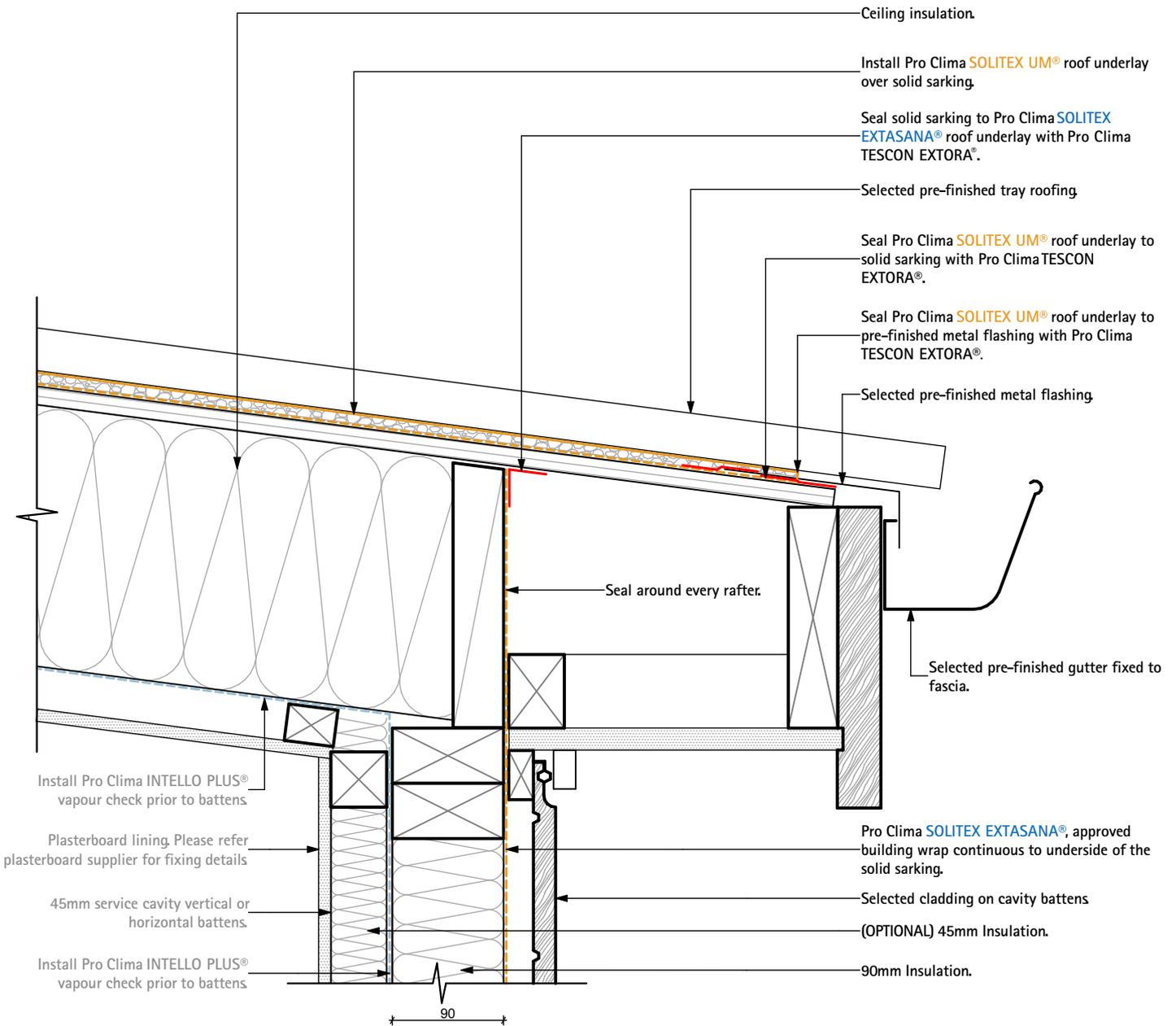
ID: W1131-3 Issued: 25/05/2020 Revision: D



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W1133 Pro Clima Skillion Eave Detail

Solitex UM



This drawing is subject to Regional Climate should be confirmed by hygrothermal analysis using software e.g. WUFI.



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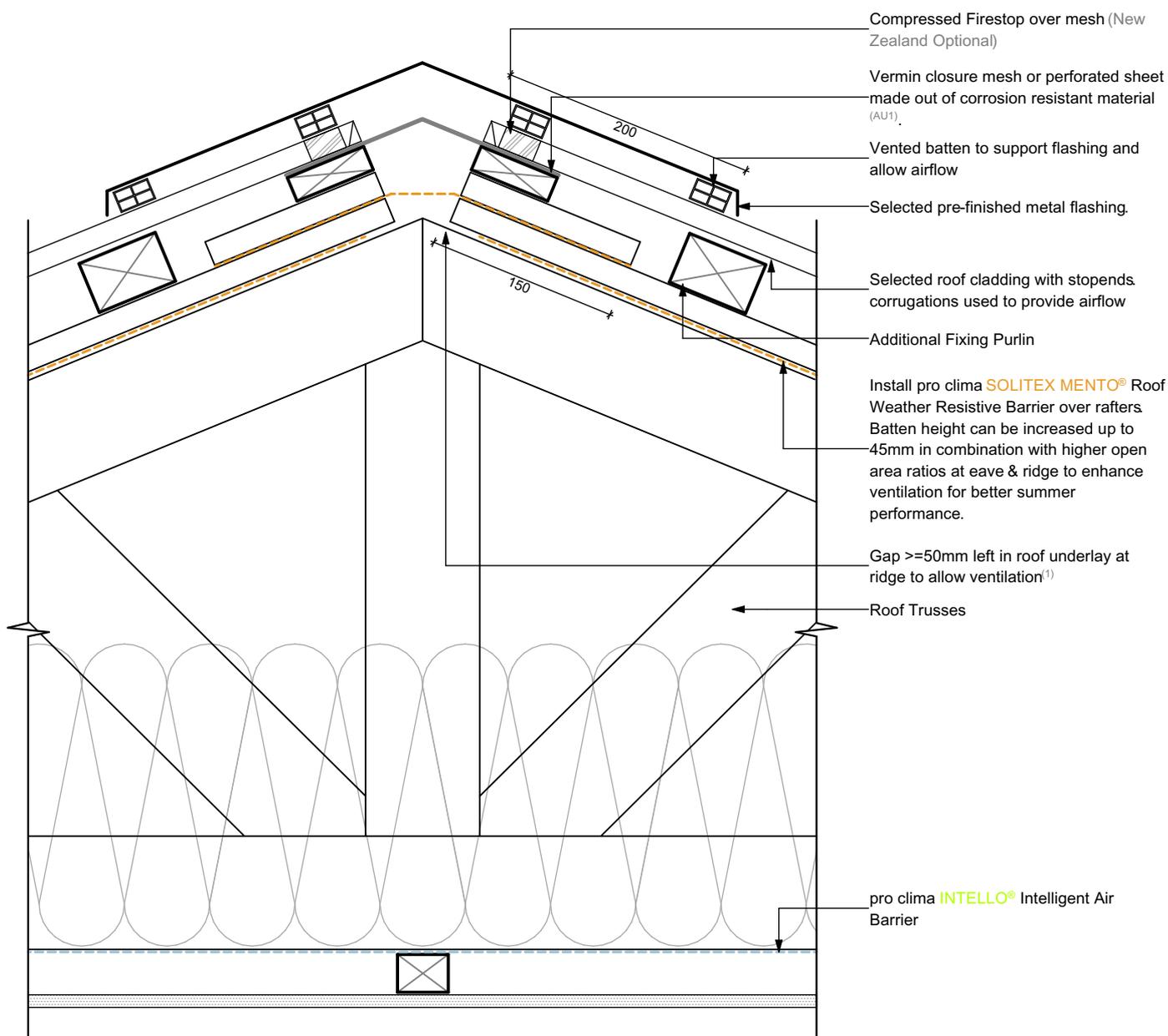
Title:
Skillion Eave Detail

Scale: 1:5
 Revision: D
 Issued: 06-03-2019

Detail
 Number: **W1133**

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W1211-1 Pro Clima Roof Truss-Open Underlay Vented Ridge Cap Detail

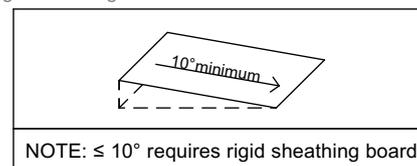


NOTES:

1: Recommended total amalgamated vent area should be equal to 1:300 ratio between the net free amalgamated opening area of the vents to the area of insulated ceiling. Vents should be evenly distributed around the roof perimeter. Outlet vents, such as ridge vents, must only be installed in conjunction with inlet vents. Inlet vents should be dimensioned slightly larger than the outlets to ensure all makeup air comes from outside and is not drawn from inside. 30% of the total unobstructed area required should be located not more than 900 mm below the ridge or highest point of the roof space, measured vertically, with the remaining required area provided by these eave vents.

(Australia Only)

1: Cavity Closer must meet AS 3959 requirements for bushfire protection up to BAL40 can be achieved by fitting an ember guard made of non-combustible material a mesh or perforated sheet with ≤ 2 mm holes and made of corrosion resistant steel or bronze.



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Title: Roof Truss-Open Underlay Vented Ridge Cap Detail

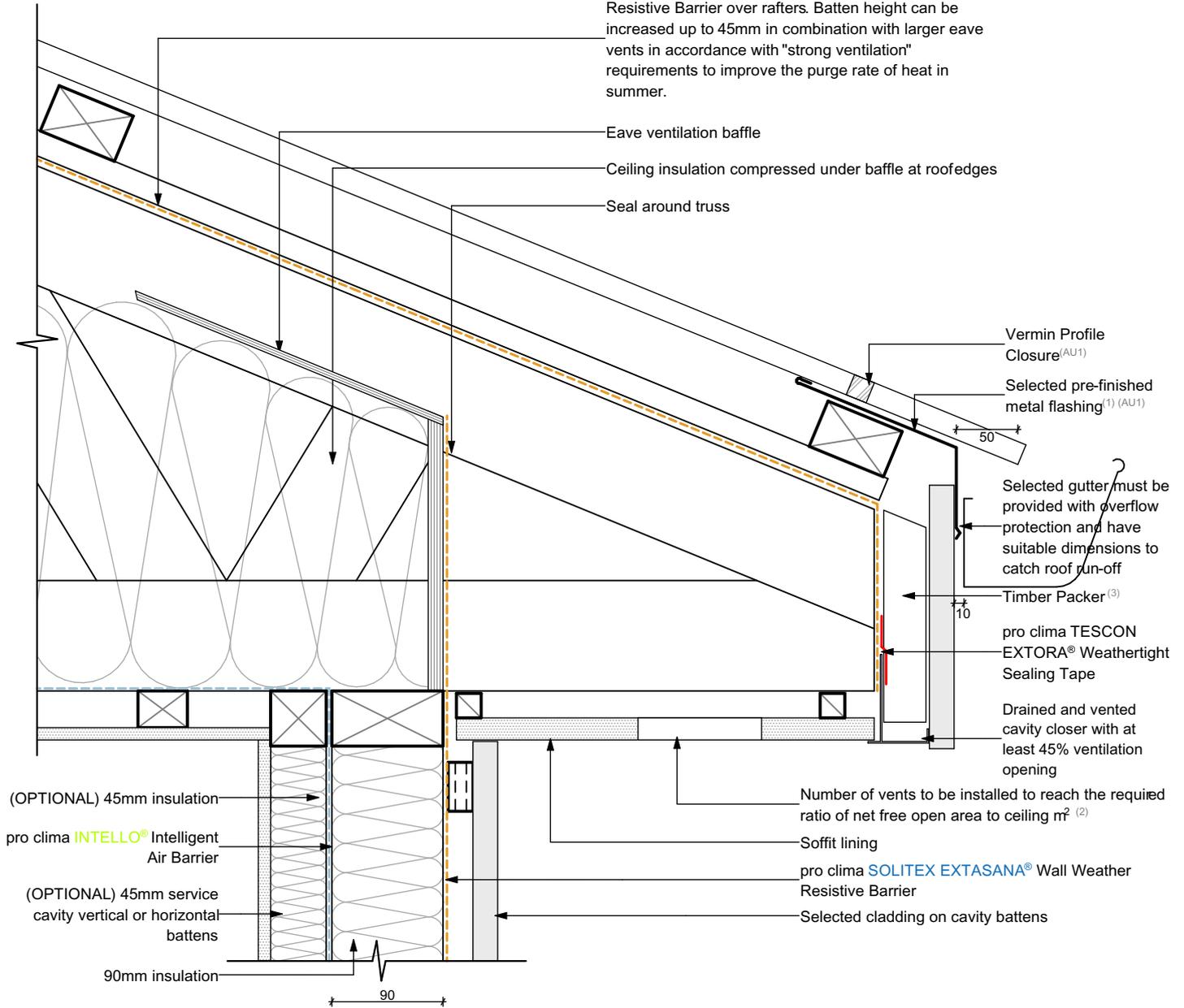
ID: W1211-1 Issued: 26/05/2020 Revision: D

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W1231-2 Pro Clima Truss Eave - Vented Soffit with Vent Baffle

Install pro clima **SOLITEX MENTO®** Roof Weather Resistive Barrier over rafters. Batten height can be increased up to 45mm in combination with larger eave vents in accordance with "strong ventilation" requirements to improve the purge rate of heat in summer.



NOTES:

- Additional ventilation can be achieved to increase the purge rate of heat in summer by utilising a perforated flashing at eave.
- Recommended total amalgamated vent area should be equal to 1:300 ratio between the net free amalgamated opening area of the vents to the area of insulated ceiling. Vents should be evenly distributed around the roof perimeter. Outlet vents, such as ridge vents, must only be installed in conjunction with inlet vents. Inlet vents should be dimensioned slightly larger than the outlets to ensure all makeup air comes from outside and is not drawn from inside. 30% of the total unobstructed area required should be located not more than 900 mm below the ridge or highest point of the roof space, measured vertically, with the remaining required area provided by these eave vents.
- Normal Ventilation: Timber packer should be 45mm in combination with at least 45% open area cavity closer.
Strong Ventilation: Timber packer should be 90mm in combination with at least 45% open area cavity closer.
The depth of cavity can be reduced for cavity dosers with higher open area ratios.

$$\text{Ventilation} = (\text{Packer}) \times (\text{Open Area Ratio})$$

Normal Ventilation $\geq 200\text{cm}^2/\text{m}$
Strong Ventilation $\geq 400\text{cm}^2/\text{m}$

NOTE: Minimum 10° Pitch without rigid sheathing board

AUSTRALIA ONLY:

- Cavity Closer must meet AS 3959 requirements for bushfire protection up to BAL40. This can be achieved by fitting an ember guard made of non-combustible material or a mesh or perforated sheet with $\leq 2\text{ mm}$ holes and made of corrosion resistant steel or bronze.



Title: Truss Eave - Vented Soffit with Vent Baffle

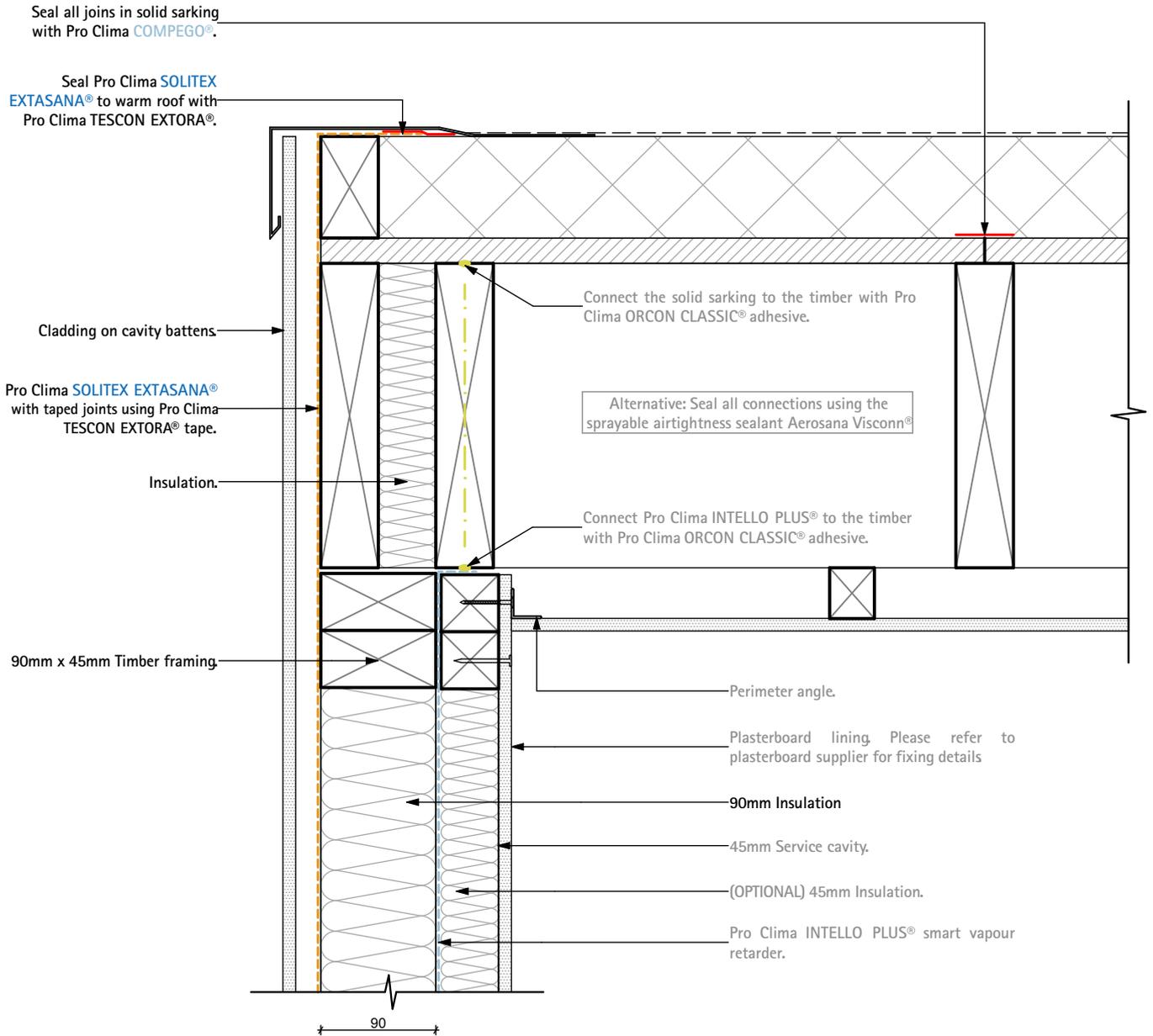
ID: W1231-2 Issued: 25/05/2020 Revision: D



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W1311 Pro Clima Roof Warm Roof Detail

Barge – Plattformframing



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Title:
Roof Warm Roof Detail

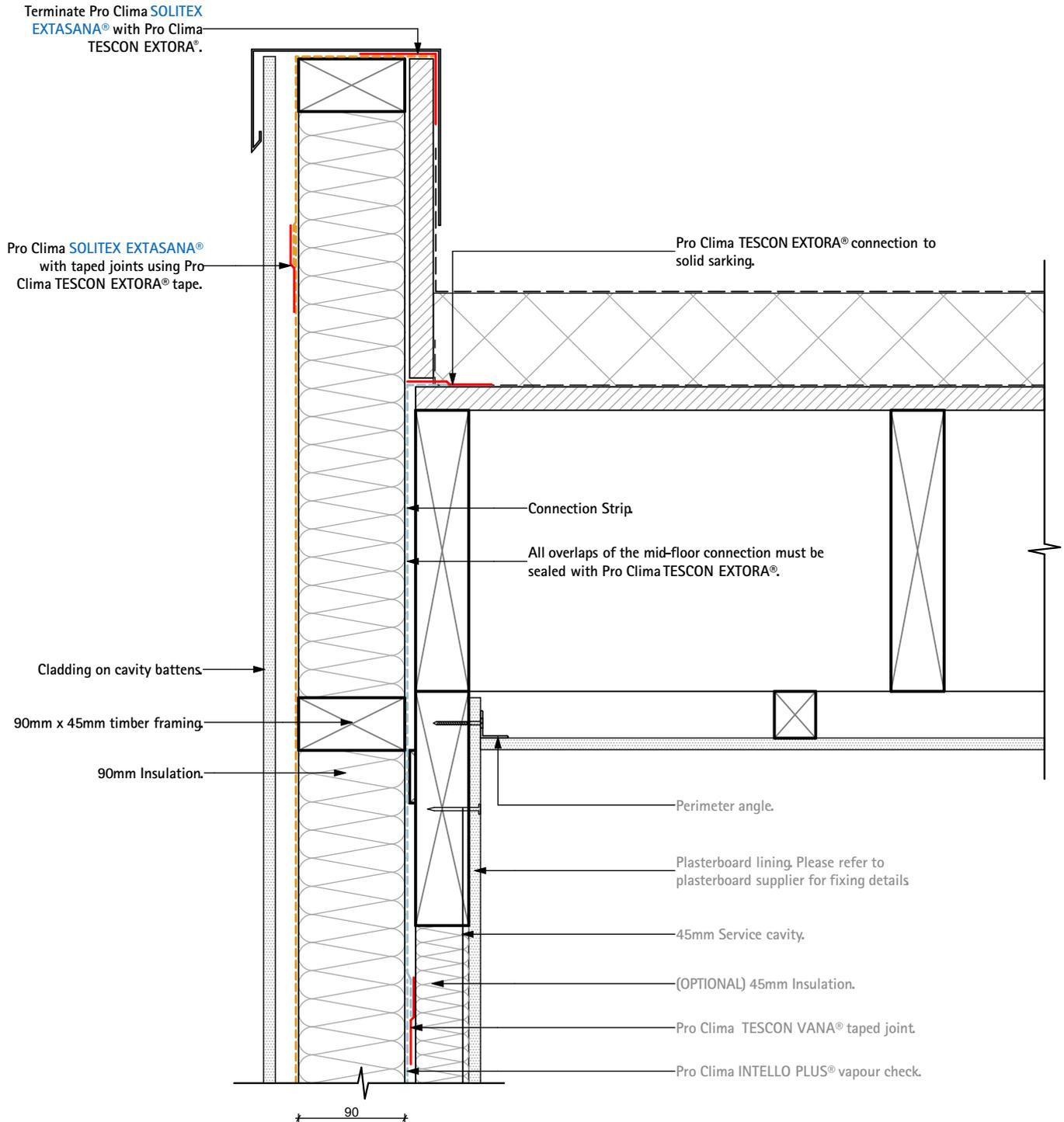
Scale: 1:5
Revision: D
Issued: 06-03-2019

Detail
Number: **W1311**

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W1312 Pro Clima Roof Warm Roof Detail

Parapet - Balloonframing



NOTE: Connection Strip must be installed during framing stage.



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Title:
Roof Warm Roof Detail

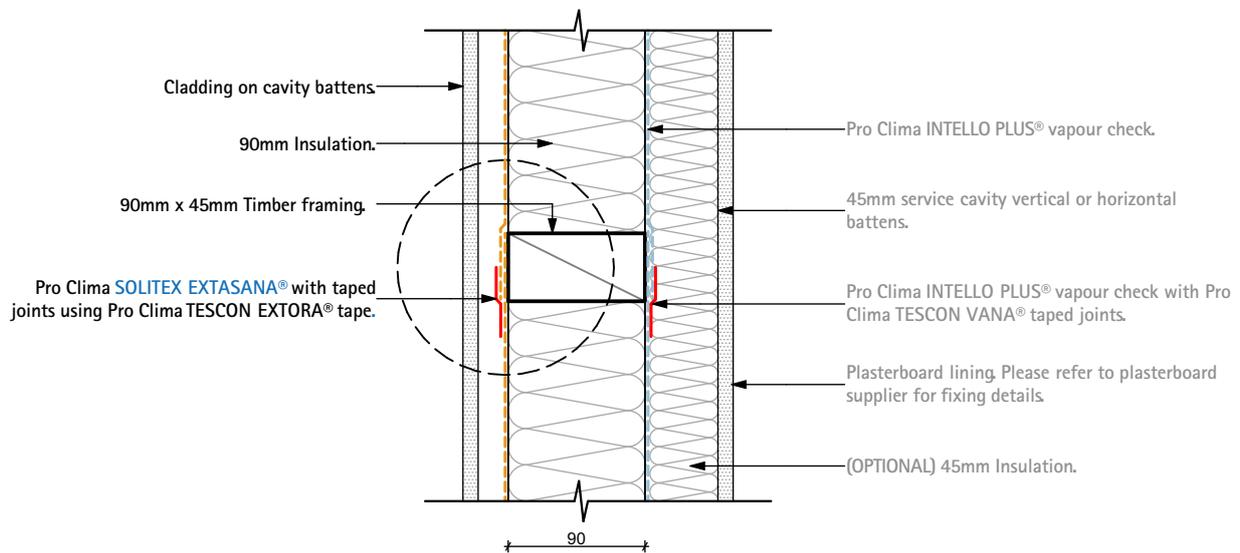
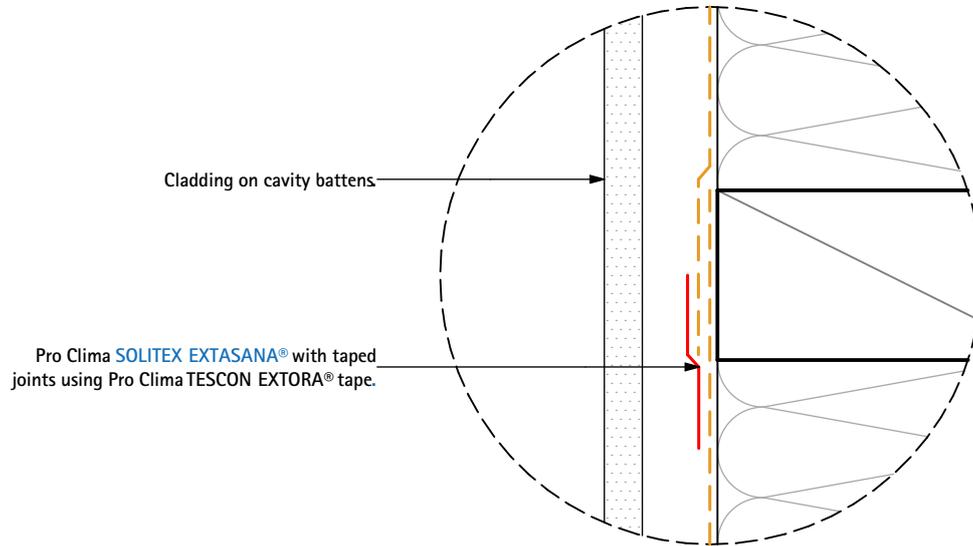
Scale: 1:5
 Revision: D
 Issued: 06-03-2019

Detail
 Number: **W1312**

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W3111 Pro Clima Wall Timber Framing Detail

Typical vertical 90mm wall section with 45mm service cavity



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Title:

Wall Timber Framing Detail

Scale: 1:5, 1:2
Revision: D
Issued: 06-03-2019

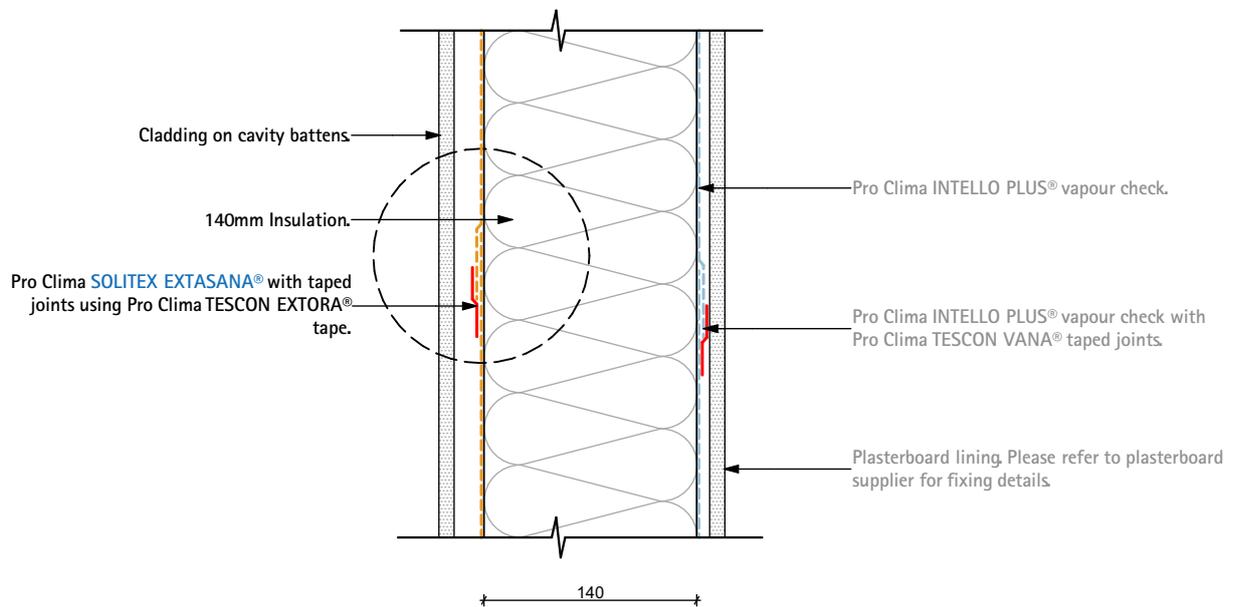
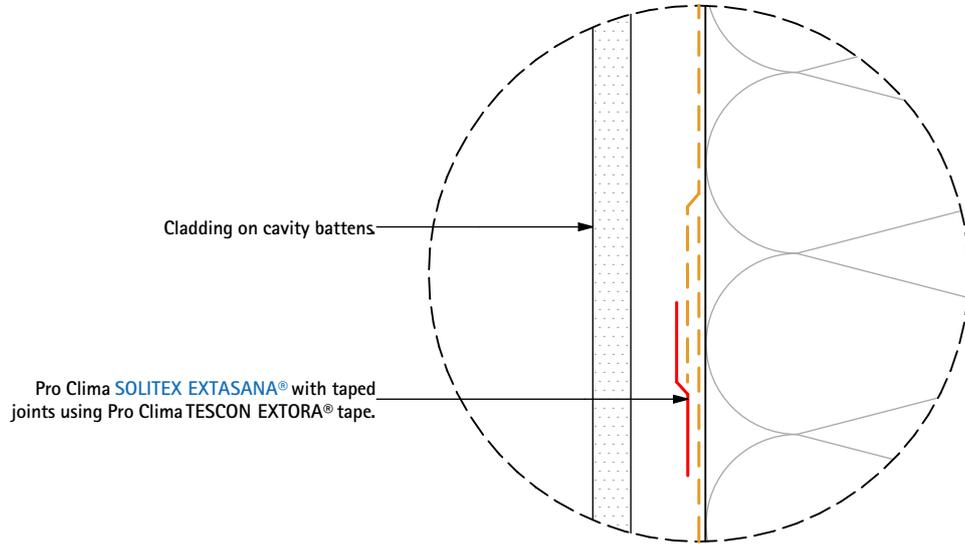
Detail
Number:

W3111

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W3112 Pro Clima Wall Timber Framing Detail

Typical vertical 140mm wall section, direct fixing



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Title:

Wall Timber Framing Detail

Scale: 1:5, 1:2
Revision: D
Issued: 06-03-2019

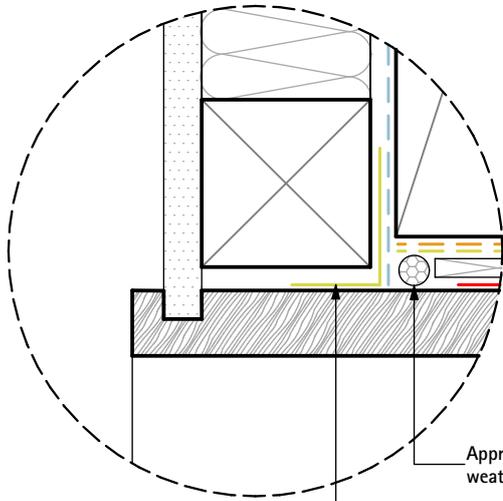
Detail
Number:

W3112

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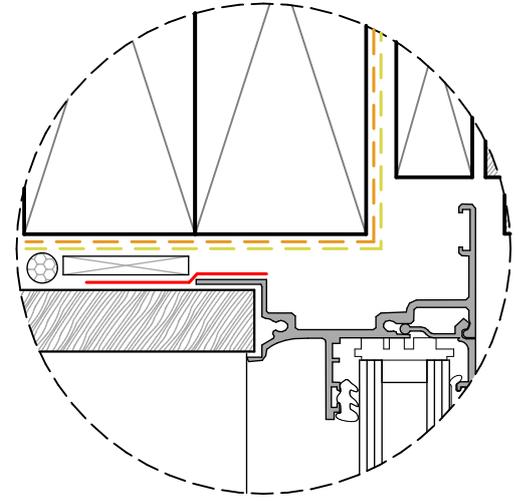
W4211 Pro Clima Door / Window Joinery Aluminium Head Detail

Typical vertical 90mm wall – Window head detail with 45mm service cavity

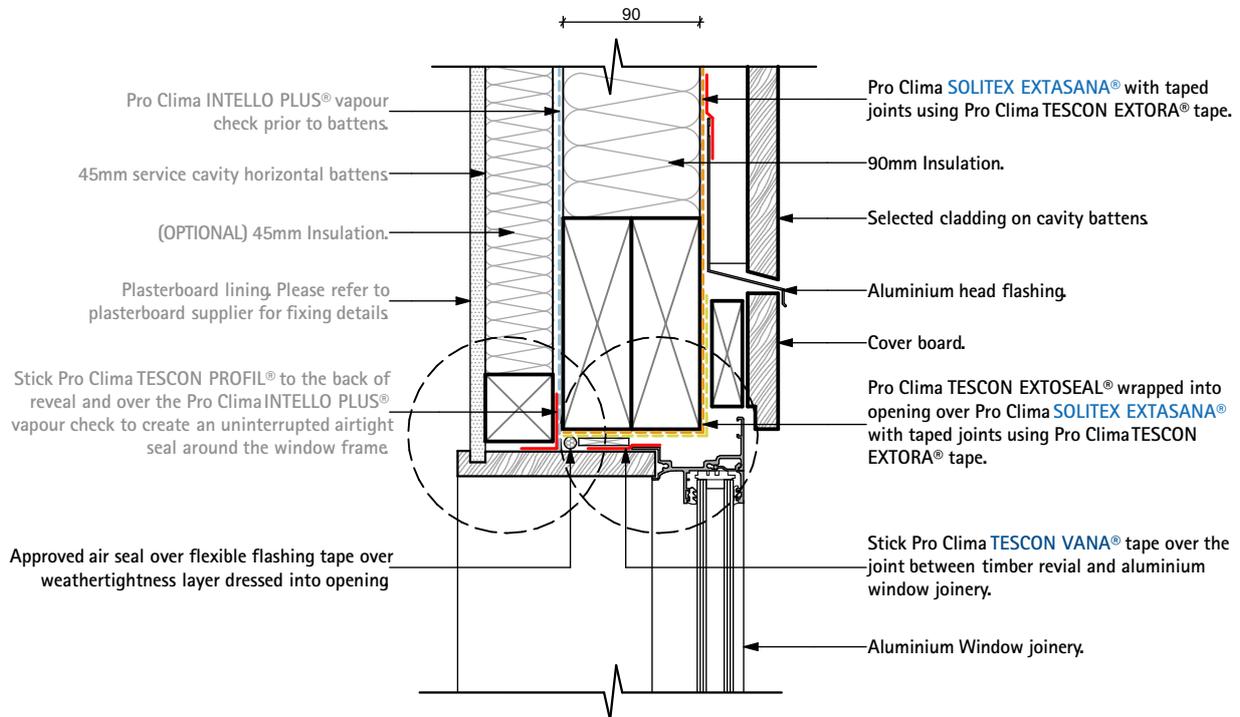


Approved air seal over flexible flashing tape over weathertightness layer dressed into opening

Stick Pro Clima TESCON PROFIL® to the back of reveal and over the Pro Clima INTELLO PLUS® vapour check to create an uninterrupted airtight seal around the window frame



Please have a look at our WINDOW-DOOR REVEAL DETAIL ID No: 4001



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Title:

Door / Window Joinery Aluminium Head Detail

Scale: 1:2, 1:5
Revision: D
Issued: 06-03-2019

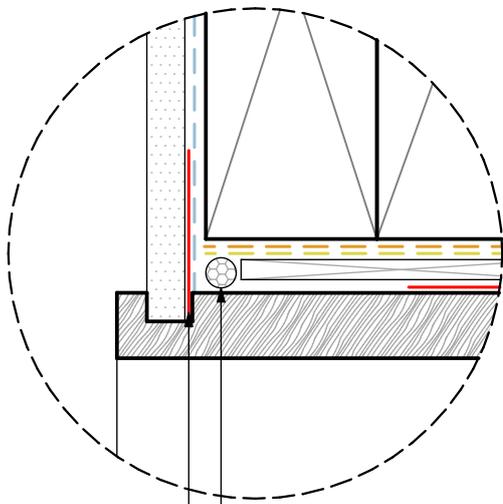
Detail
Number:

W4211

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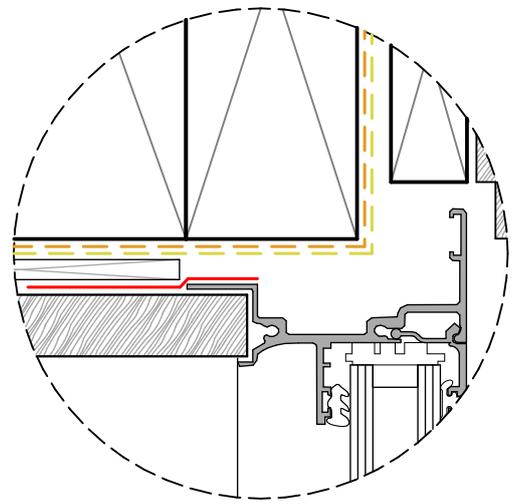
W4212 Pro Clima Door / Window Joinery Aluminium Head Detail

Typical vertical 140mm wall – Window head detail, Direct fixing

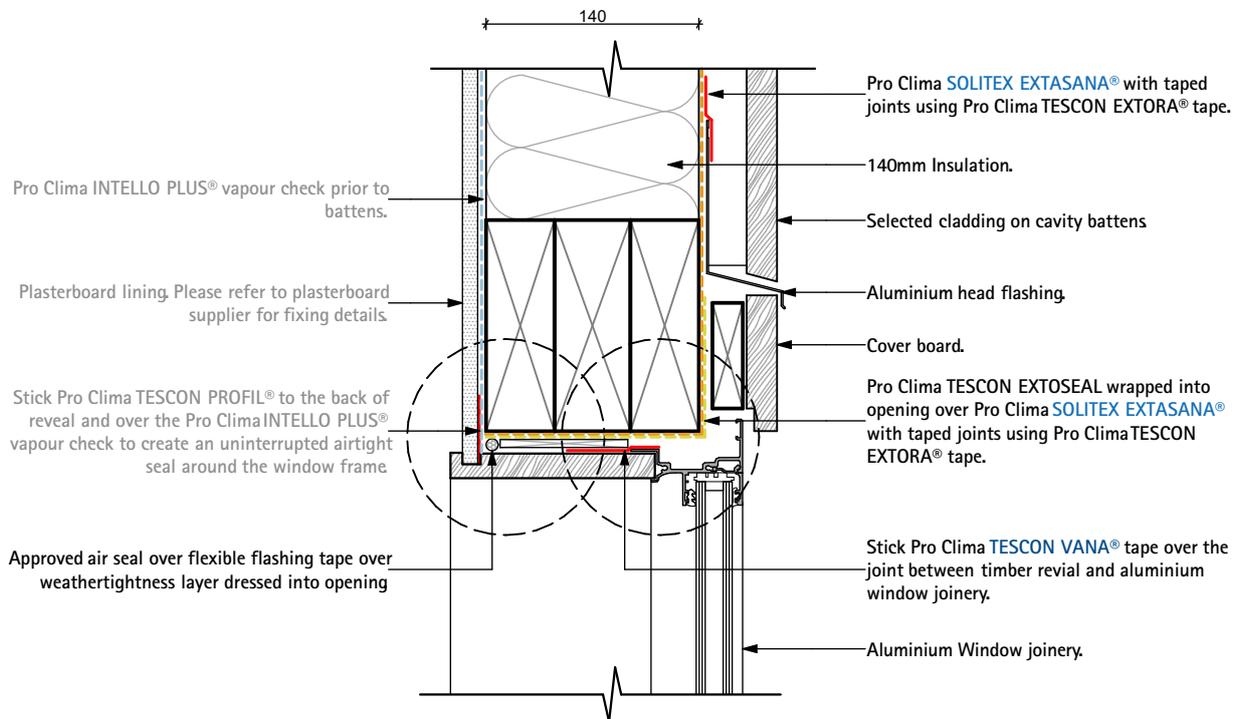


Approved air seal over flexible flashing tape over weathertightness layer dressed into opening

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Title:

Door / Window Joinery Aluminium Head Detail

Scale: 1:5, 1:2
Revision: D
Issued: 06-03-2019

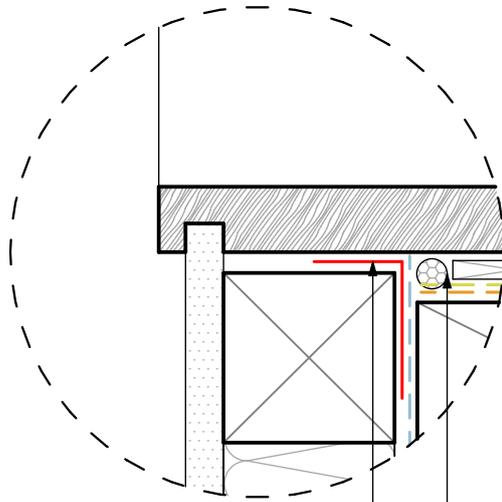
Detail
Number:

W4212

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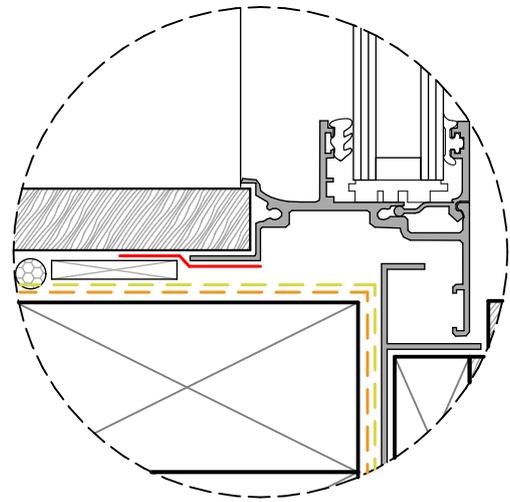
W4221 Pro Clima Door / Window Joinery Aluminium Jamb Detail

Typical vertical 90mm wall – Window jamb detail with 45mm service cavity

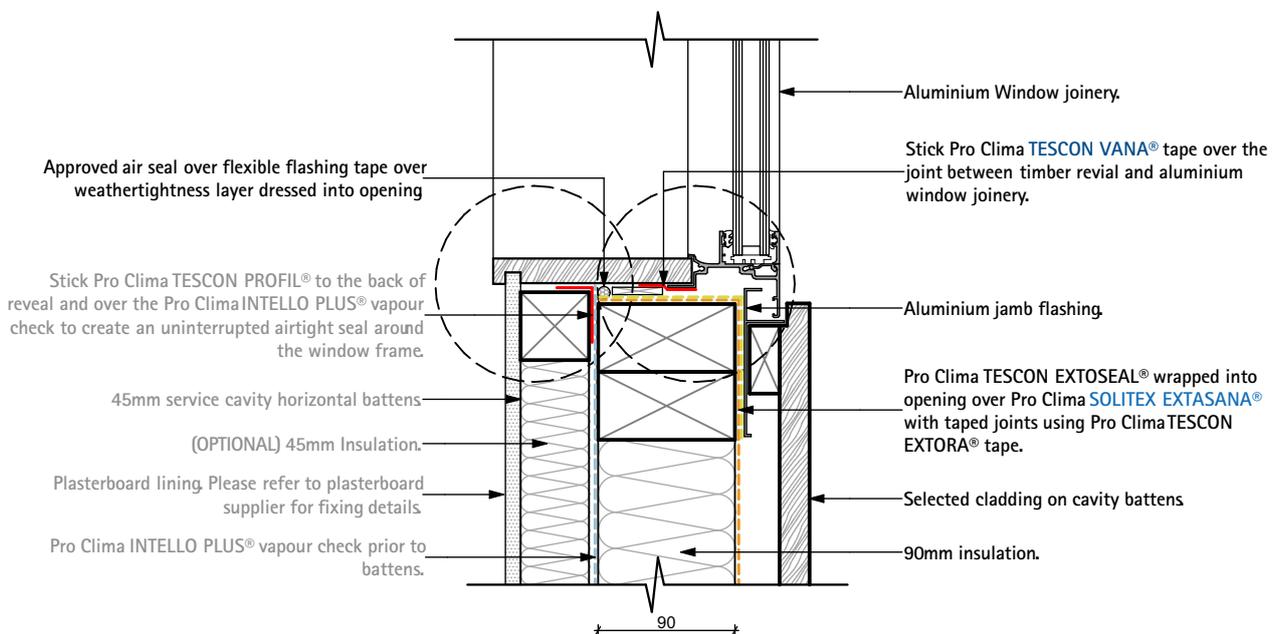


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Title:

Door / Window Joinery Aluminium Jamb Detail

Scale: 1:5, 1:2
Revision: D
Issued: 06-03-2019

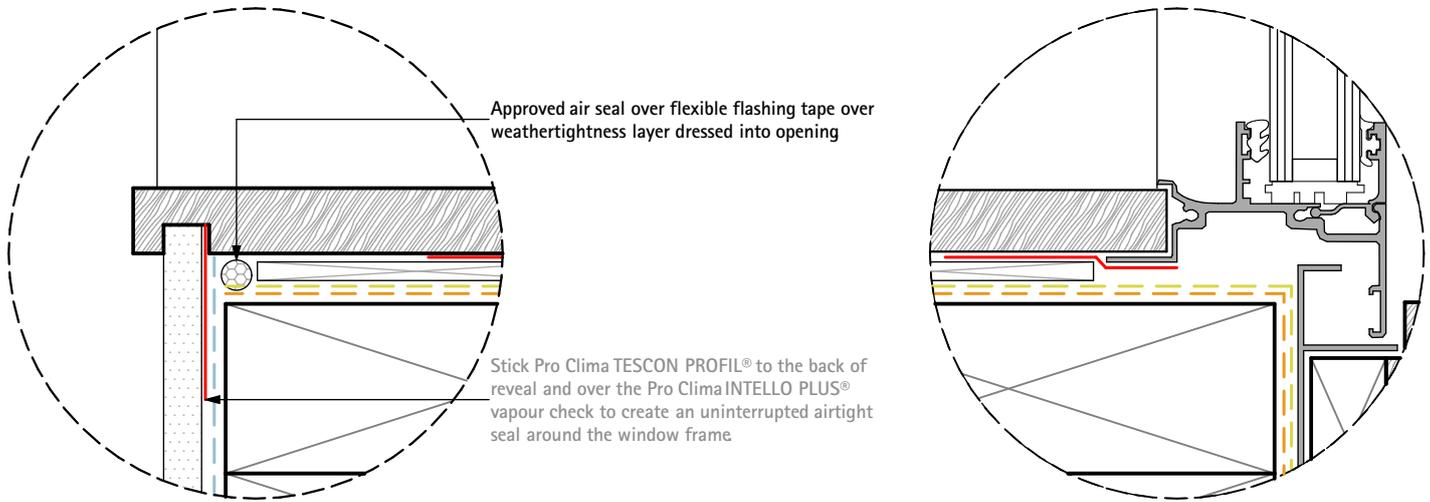
Detail
Number:

W4221

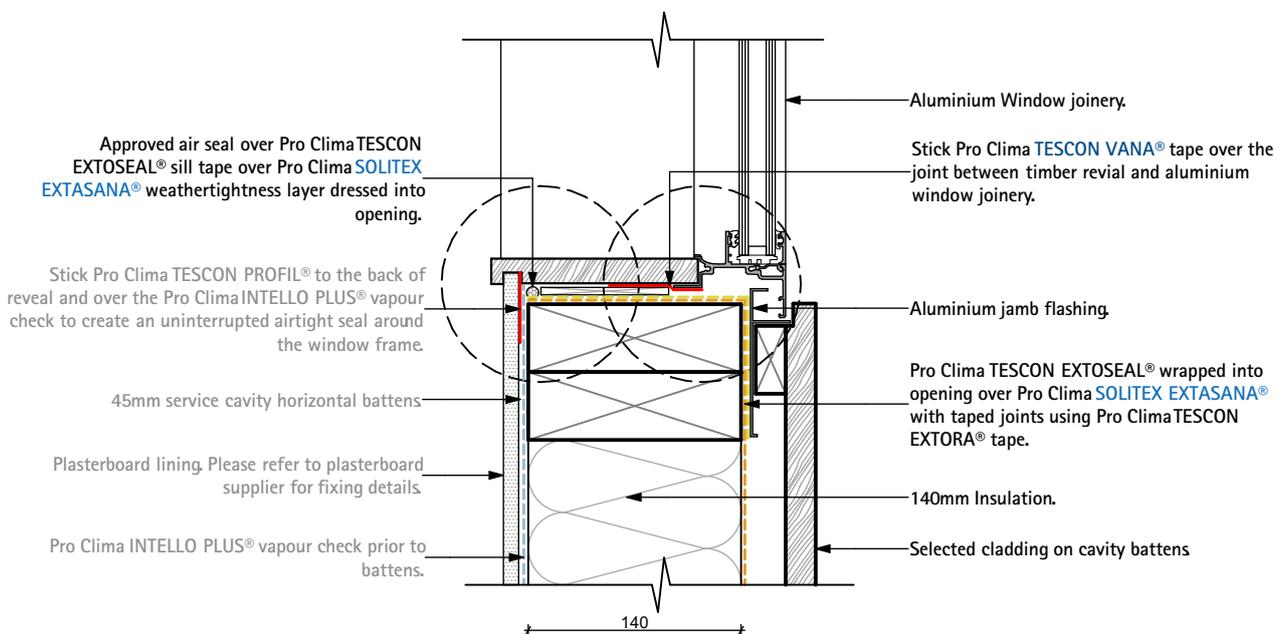
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W4222 Pro Clima Door / Window Joinery Aluminium Jamb Detail

Typical vertical 140mm wall – Window jamb detail, Direct fixing



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Title:
Door / Window Joinery Aluminium Jamb Detail

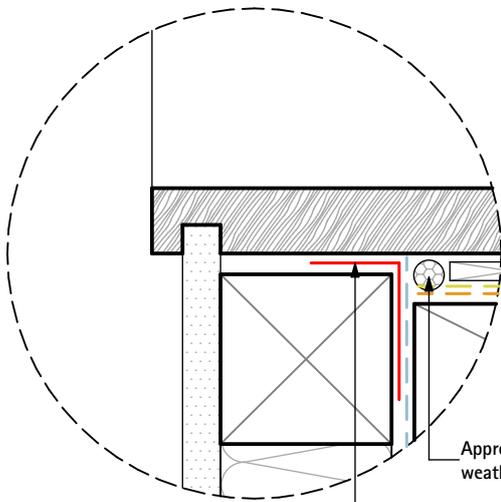
Scale: 1:2, 1:5
 Revision: D
 Issued: 06-03-2019

Detail
 Number: **W4222**

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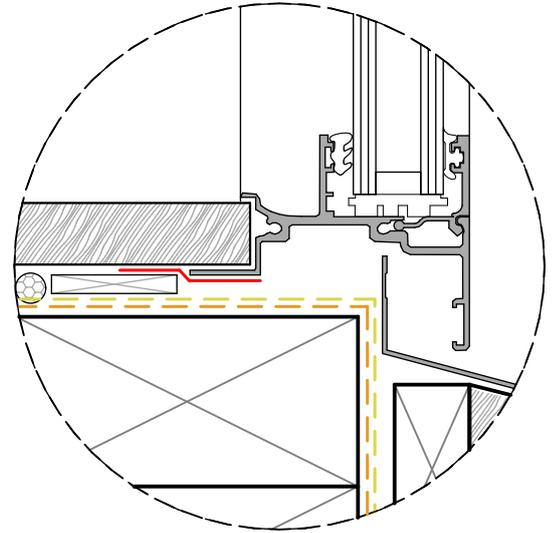
W4231 Pro Clima Door / Window Joinery Aluminium Sill Detail

Typical vertical 90mm wall – Window sill detail with 45mm service cavity

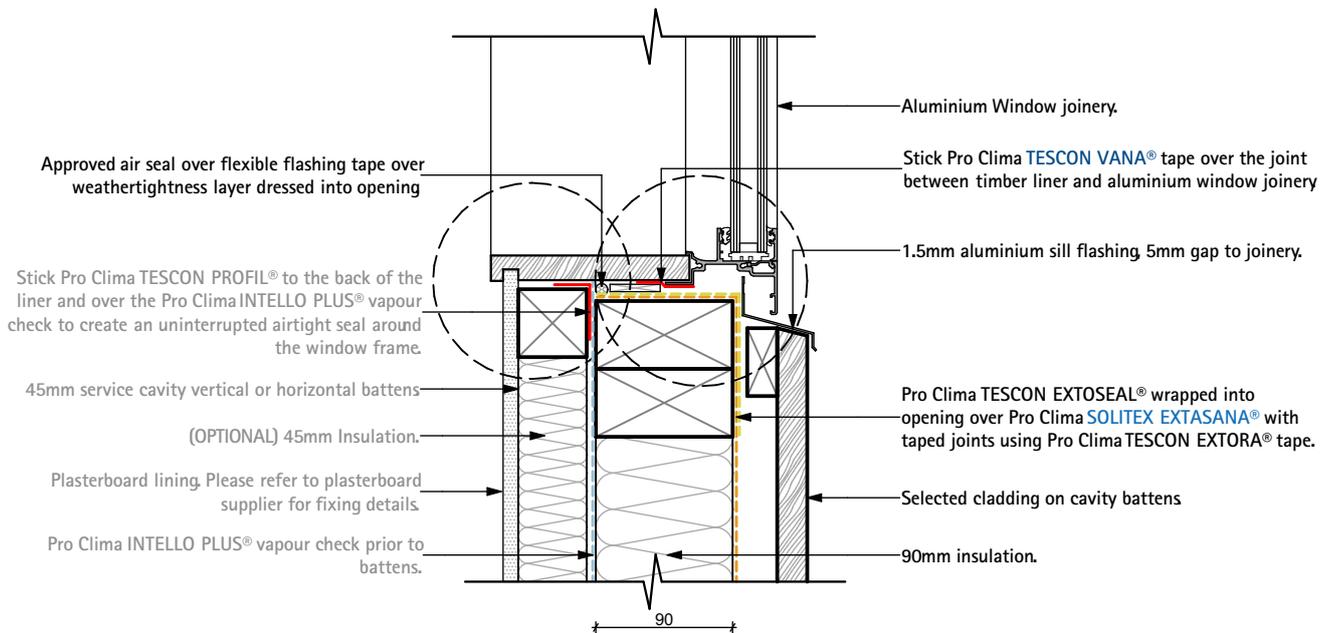


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Title:

Door / Window Joinery Aluminium Sill Detail

Scale: 1:2, 1:5
Revision: D
Issued: 06-03-2019

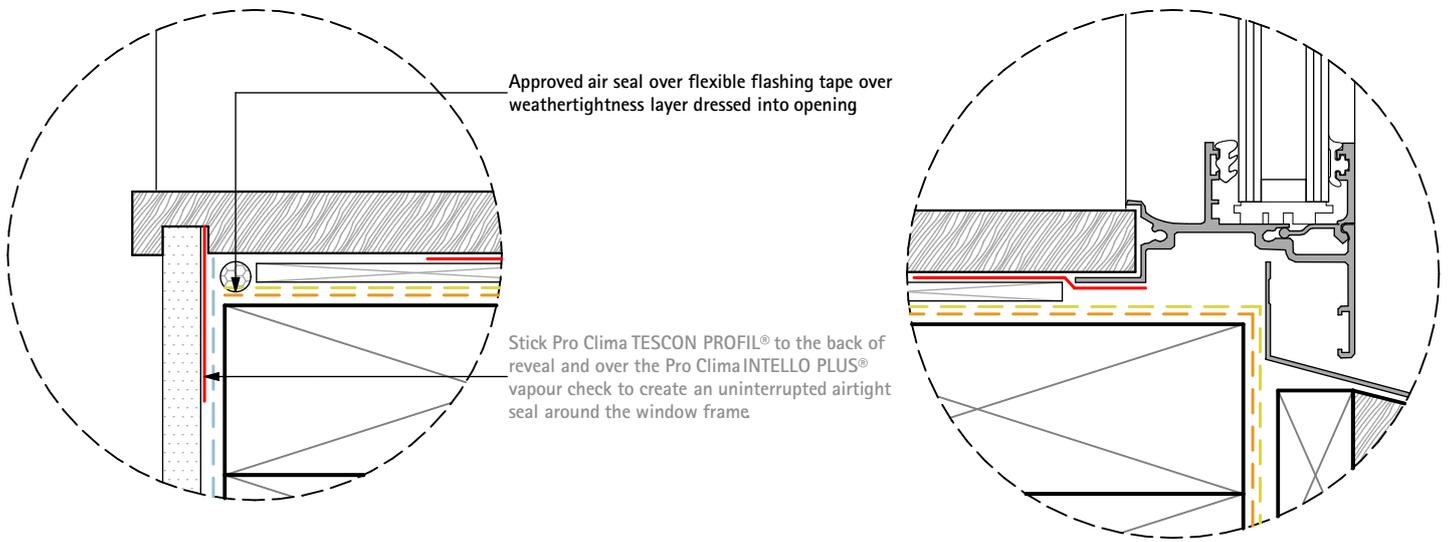
Detail
Number:

W4231

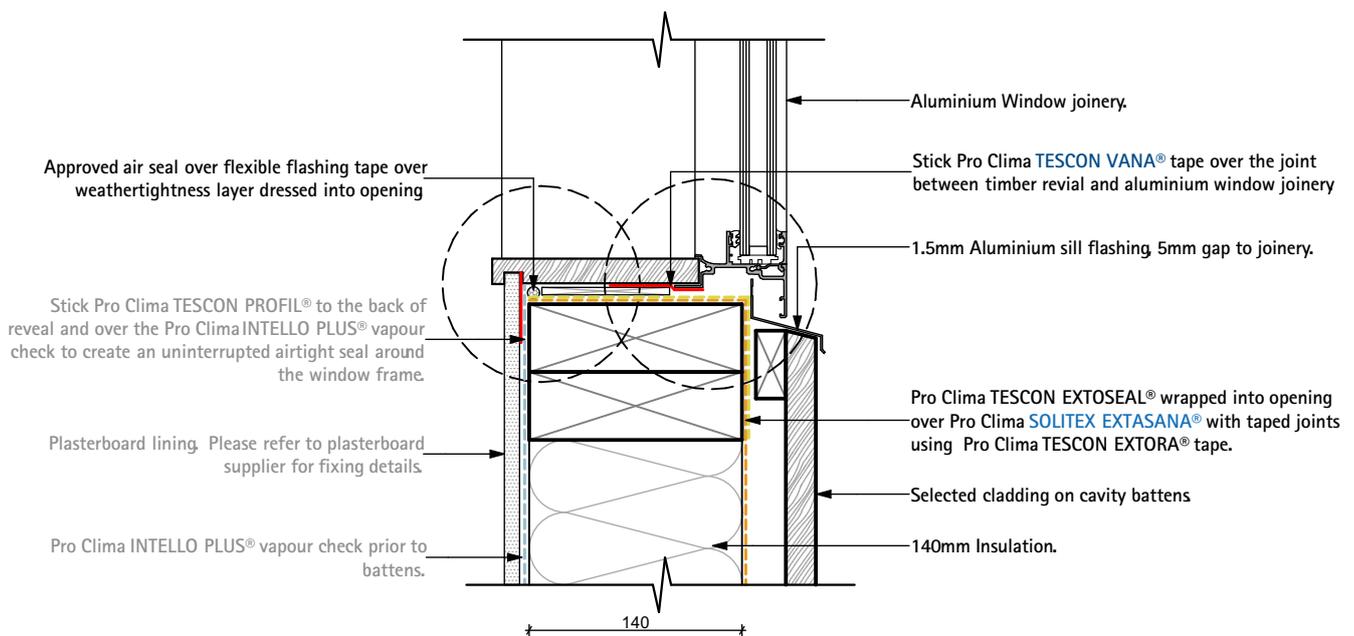
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W4232 Pro Clima Door / Window Joinery Aluminium Sill Detail

Typical vertical 140mm wall – Window sill detail, Direct fixing



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Title:

Door / Window Joinery Aluminium Sill Detail

Scale: 1:5, 1:2
Revision: D
Issued: 06-03-2019

Detail
Number:

W4232

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