Min. 88x18mm H3.2 horizontal timber cavity battens @140mm centres max. Fixed with 2/90x32 flat head, ring shank nail or 90x3.15 flat head, power driven nails to achieve min. 40mm penetration into rafter.

Two fixings for each shingle approx 20mm from each edge and 50mm above the butt line of the next course

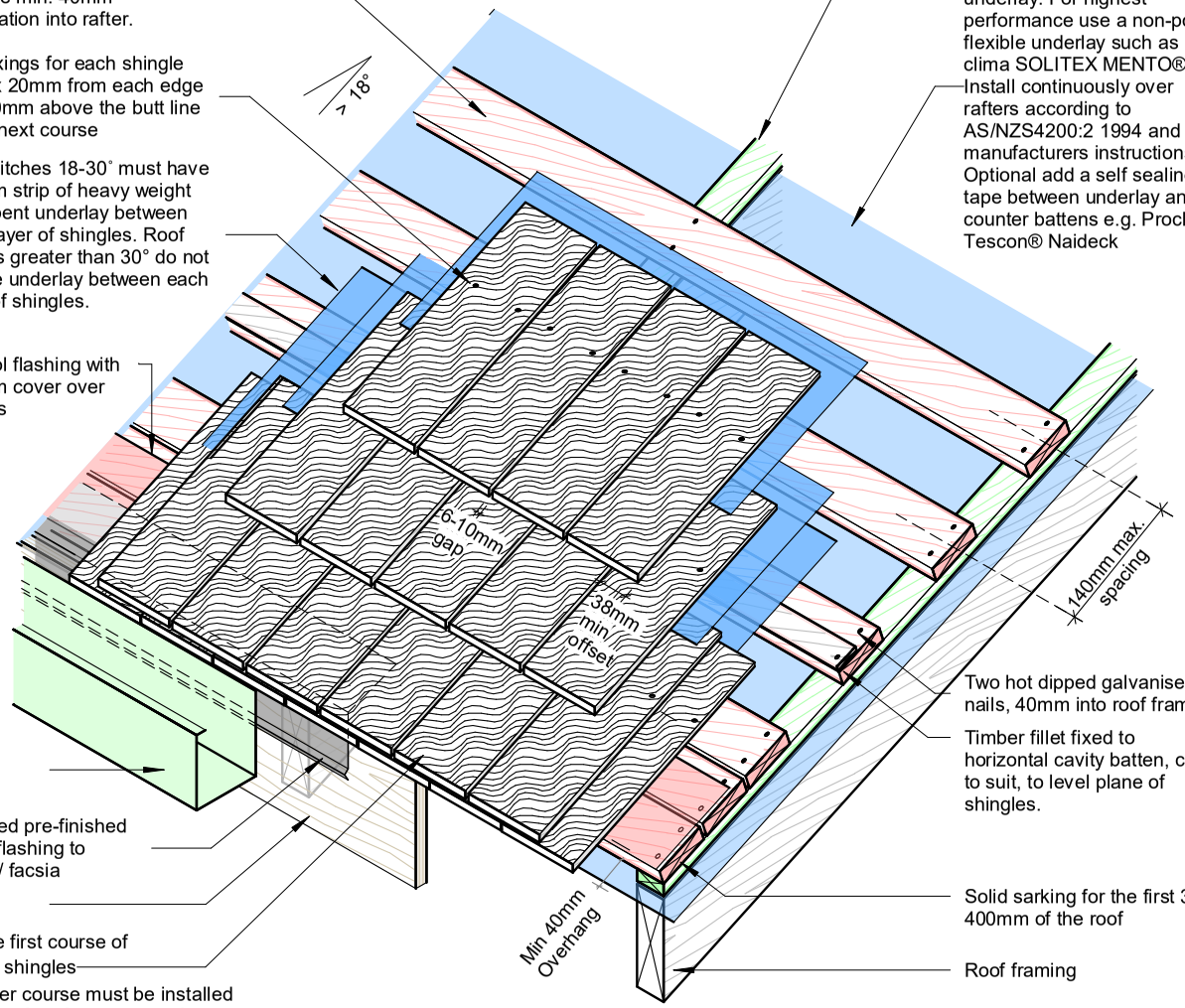
Roof pitches 18-30˚ must have 300mm strip of heavy weight absorbent underlay between each layer of shingles. Roof pitches greater than 30° do not require underlay between each layer of shingles.

Butynol flashing with 160mm cover over battens

Purlins spaced @ 600mm centres max (wider spacing may be achieved optionally by using thicker horizontal battens)

45x18mm min. H3.1 vertical timber counter-battens

Install self-supporting, vapour permeable, micro porous, weather resistive flexible underlay. For highest performance use a non-porous flexible underlay such as Pro clima SOLITEX MENTO®. Install continuously over rafters according to AS/NZS4200:2 1994 and manufacturers instructions. Optional add a self sealing tape between underlay and counter battens e.g. Proclima Tescon® Naideck



Two hot dipped galvanised nails, 40mm into roof framing

Timber fillet fixed to horizontal cavity batten, cut to suit, to level plane of shingles.

Gutter

Selected pre-finished metal flashing to gutter / facsia

Fascia

Double first course of Abodo shingles

Solid sarking for the first 300 - 400mm of the roof

Roof framing

A starter course must be installed at base of roof consisting of a layer of shingles close butted together, with overhangs not less than following:
– Gutter line – 40mm
– Barge board – 40mm

The first course is laid directly over the starter course, off-set with minimum 38mm cover to each side of the edge joint in the underlying course and with 5-10mm spacing between shingles. Fasteners must penetrate through the starter course and into the batten.

NOTE: Fix shingles with minimum 40 x 2.5mm stainless steel flat head ring shank nails to achieve minimum 19mm penetration into the batten. Stainless steel 316 must be used when the fixing head is exposed to the weather and in sea spray zones.

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Abodo Wood Ltd.
62 Ascot Road, Mangere,
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SHEET TITLE

Shingle roof application isometric with gutter

Scale: 1 : 10

PROFILE

Abodo Shingle Roof System

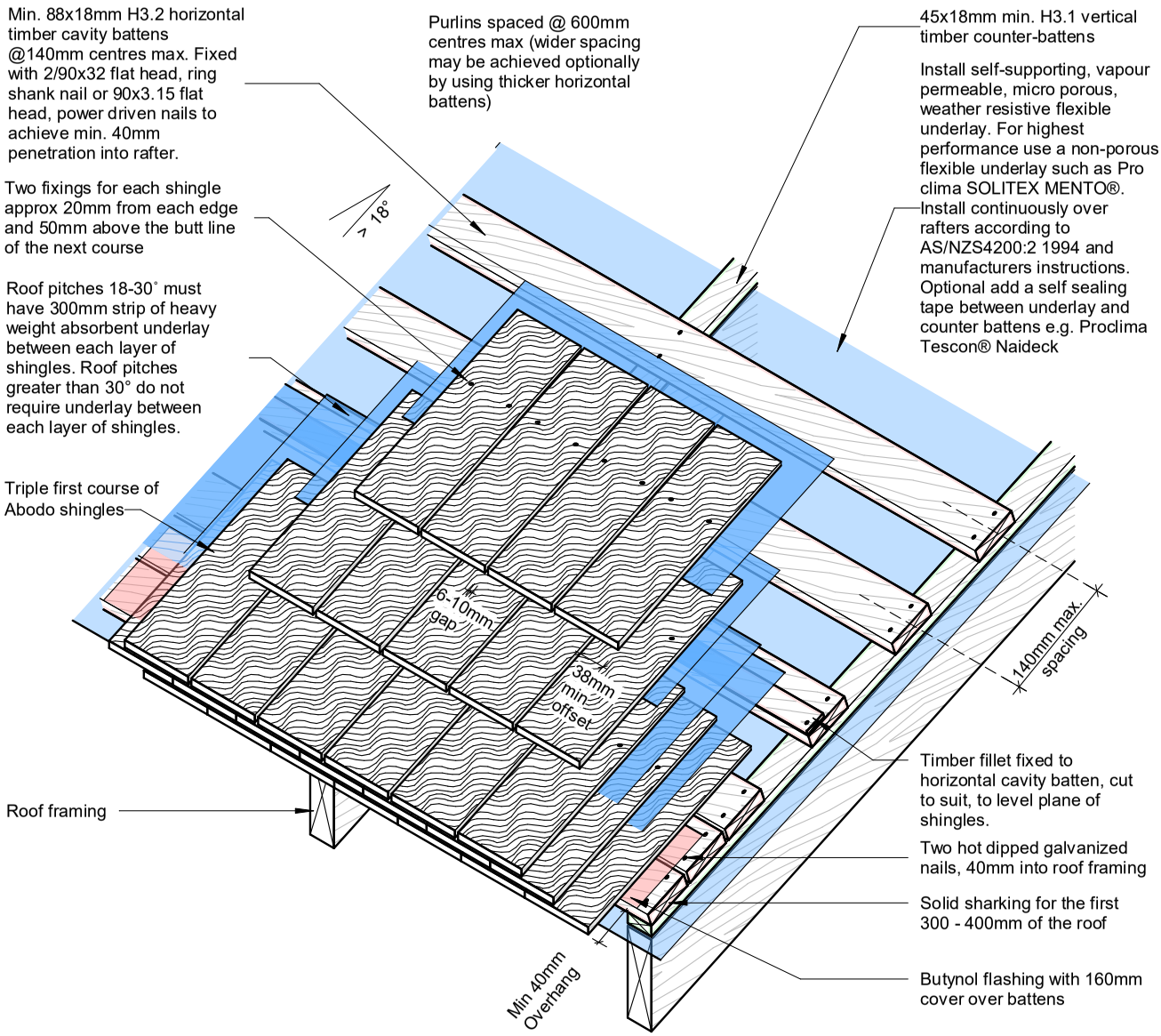
Date: November 2023

SHEET NUMBER

A.S.R.01

REVISION

01



NOTE: Fix shingles with minimum 40 x 2.5mm stainless steel flat head ring shank nails to achieve minimum 19mm penetration into the batten. Stainless steel 316 must be used when the fixing head is exposed to the weather and in sea spray zones.

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SHEET TITLE

Shingle roof application isometric without gutter

Scale: 1 : 10

PROFILE

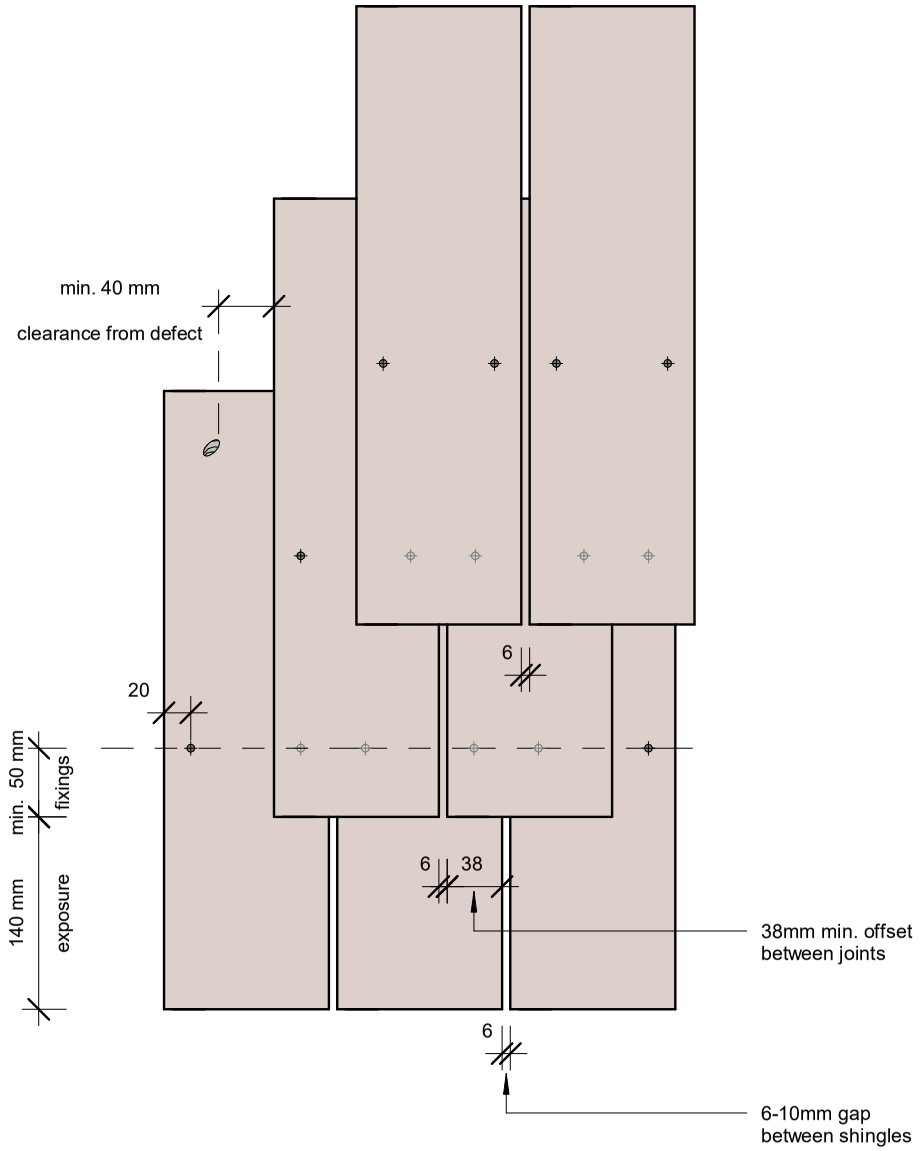
Abodo Shingle Roof System

Date: November 2023

SHEET NUMBER

A.S.R.02

REVISION



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SHEET TITLE

Shingle roof set out and fixings

Scale: 1 : 5

PROFILE

Abodo Shingle Roof System

Date: November 2023

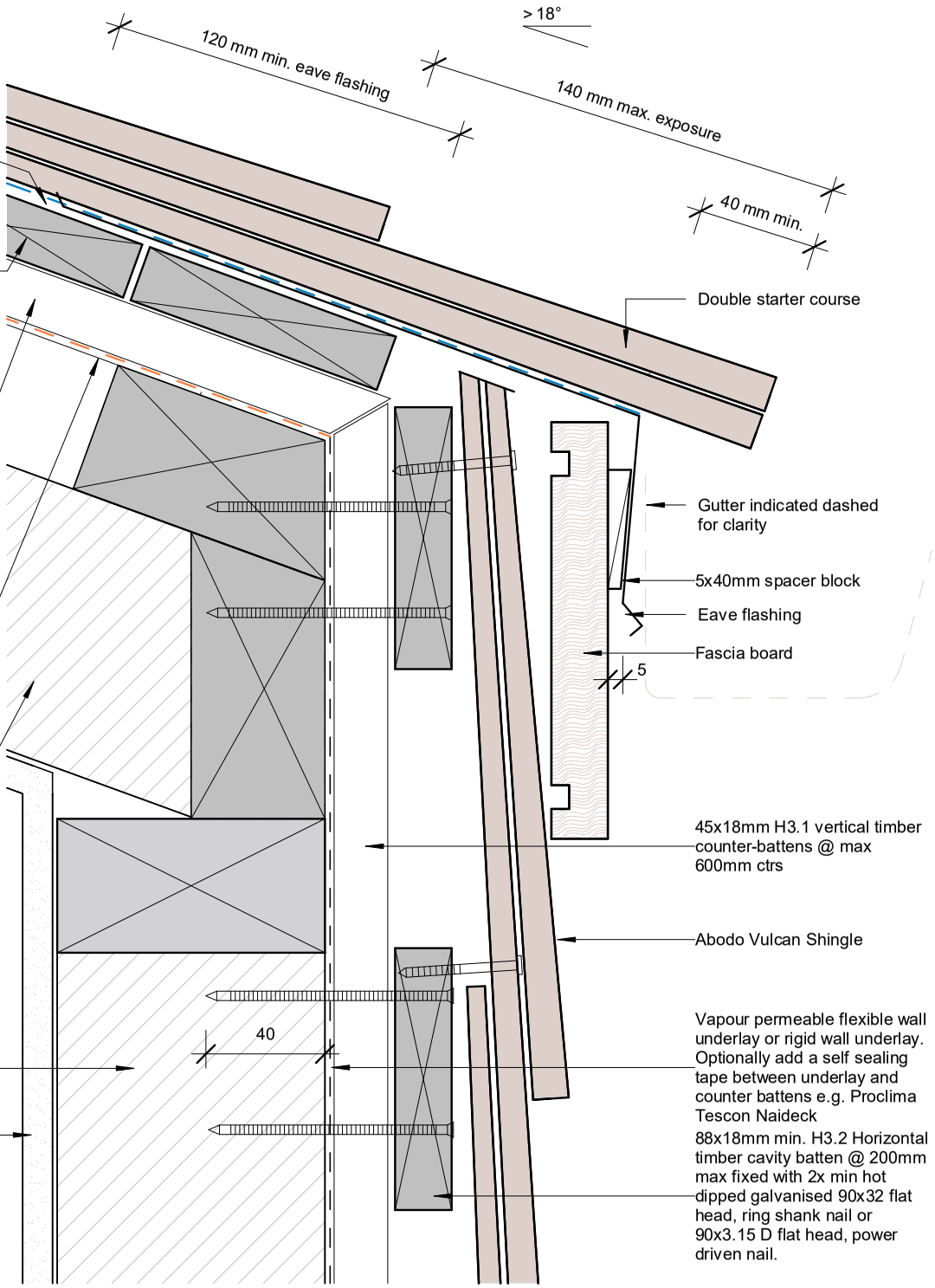
SHEET NUMBER

A.S.R.03

REVISION

01

Roof pitches between 18 - 30° must have a 300mm strip of heavy weight absorbent underlay between each layer of shingles. Roof pitches greater than 30° do not require underlay between each layer of shingles.



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SHEET TITLE

Shingles roof to shingles wall transition with gutter

Scale: 1 : 2

PROFILE

Abodo Shingle Roof System

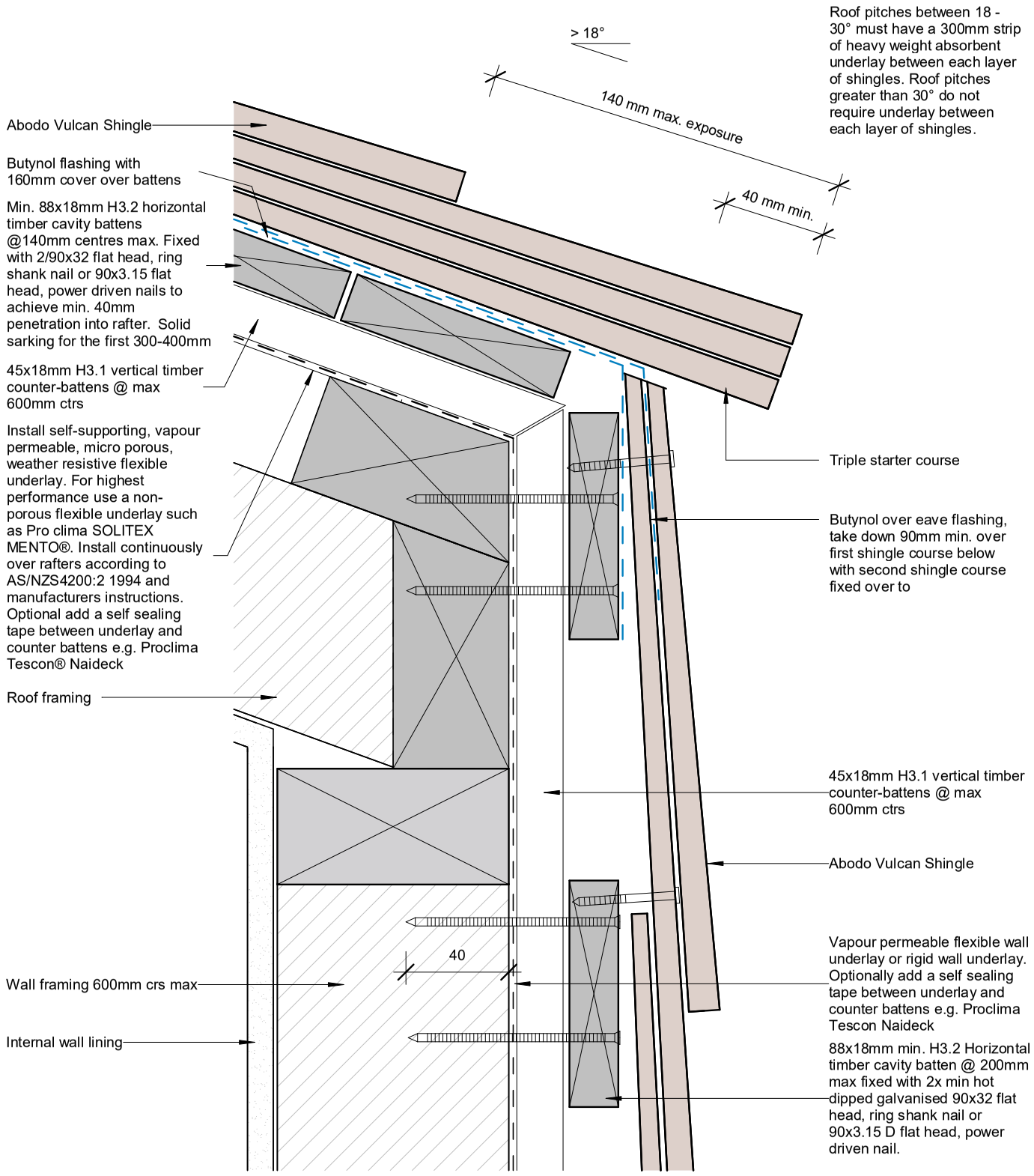
Date: November 2023

SHEET NUMBER

A.S.R.04

REVISION

01



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SHEET TITLE

Shingles roof to shingles wall transition

Scale: 1 : 2

PROFILE

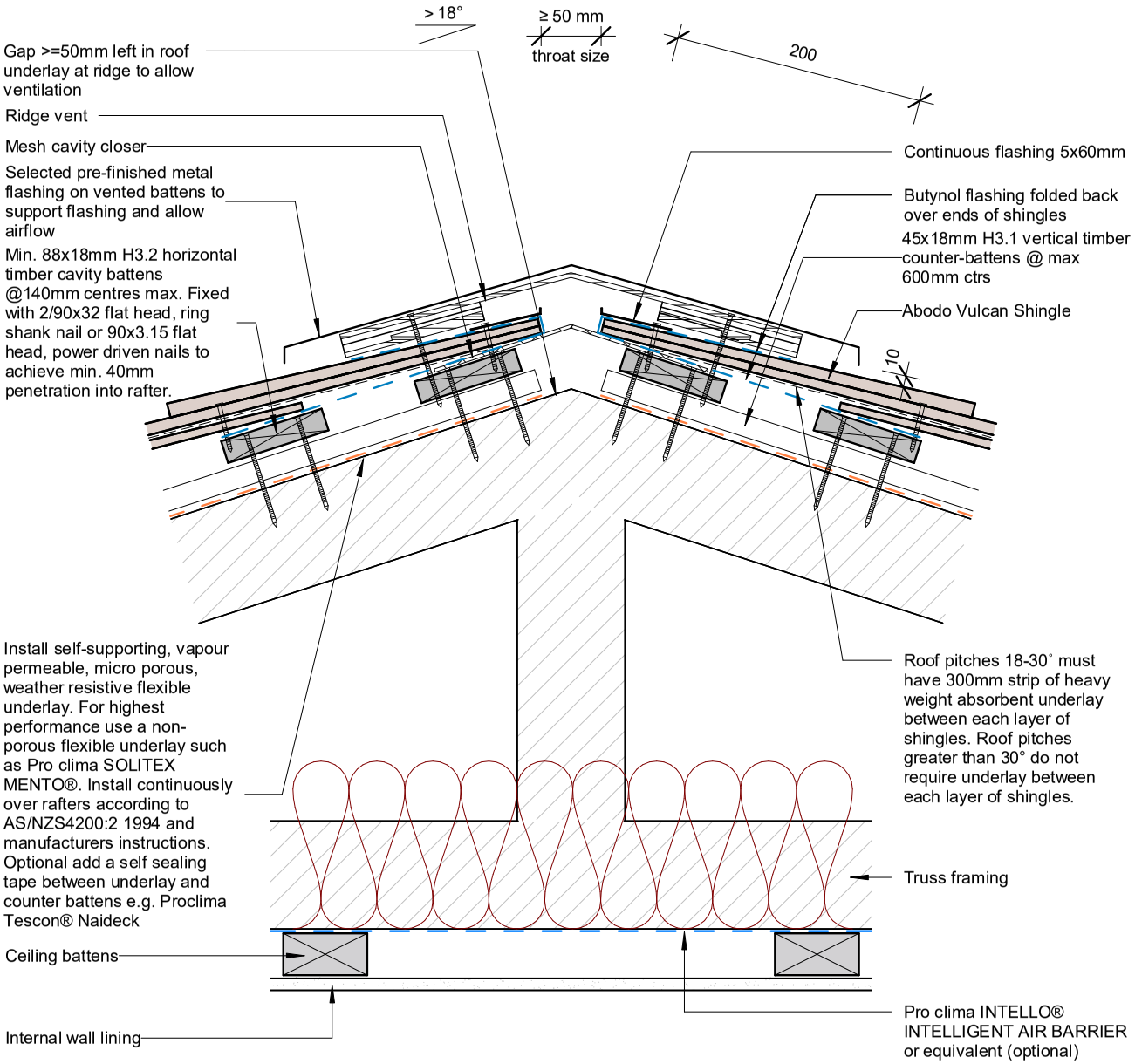
Abodo Shingle Roof System

Date: November 2023

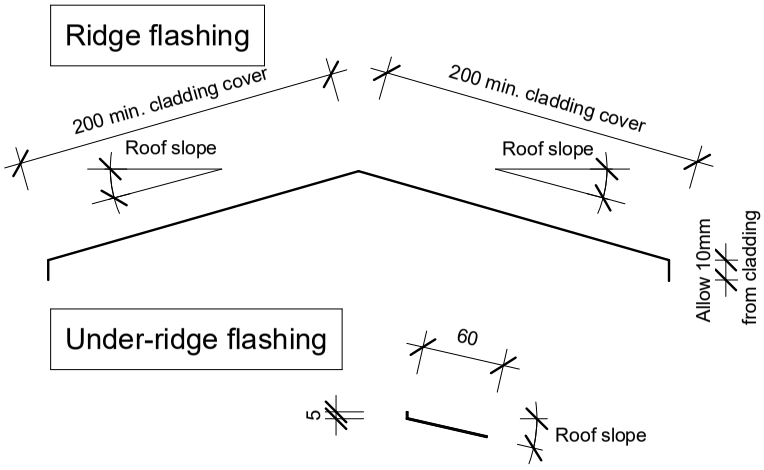
SHEET NUMBER

A.S.R.05

REVISION



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.
2: Vents should be evenly distributed around the roof perimeter. Outlet vents, such as ridge vents, must only be installed in conjunction with inlet vents.
3: Inlet vents should be dimensioned slightly larger than the outlets to ensure all makeup air comes from outside and is not drawn from inside.
4: 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.
5: For a throat size of 50 mm a mesh of at least 10% free open area must be selected to achieve normal ventilation



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Abodo Wood Ltd.
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SHEET TITLE

Vented ridge - truss

Scale: 1 : 5

PROFILE

Abodo Shingle Roof System

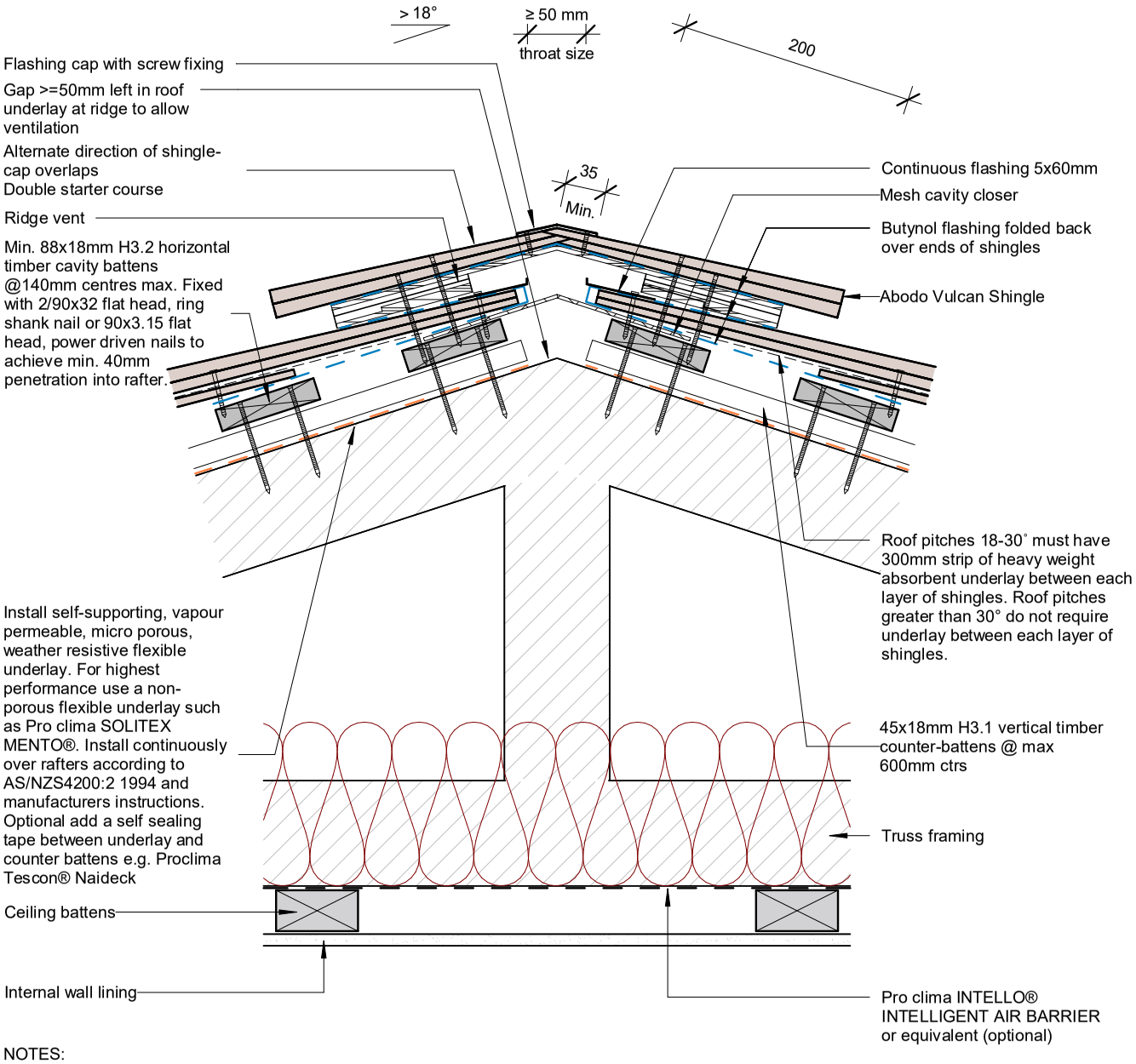
Date: November 2023

SHEET NUMBER

A.S.R.06

REVISION

01



NOTES:
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2: Vents should be evenly distributed around the roof perimeter. Outlet vents, such as ridge vents, must only be installed in conjunction with inlet vents.
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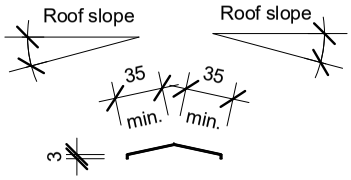
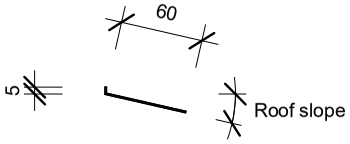
5: For a throat size of 50 mm a mesh of at least 10% free open area must be selected to achieve normal ventilation

Ridge flashing



Under-ridge flashing



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SHEET TITLE

Vented ridge - truss 2

Scale: 1 : 5

PROFILE

Abodo Shingle Roof System

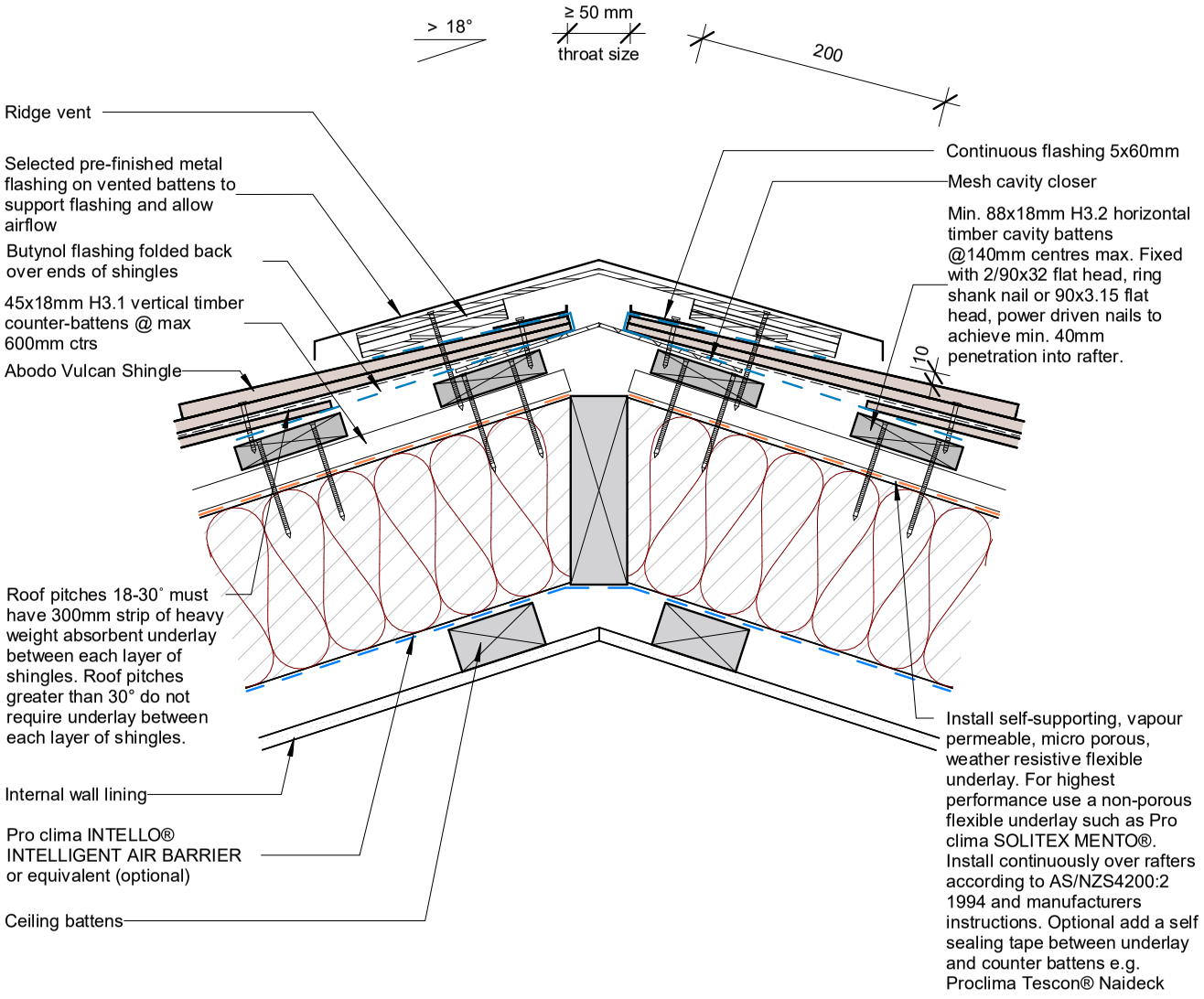
Date: November 2023

SHEET NUMBER

A.S.R.07

REVISION

01



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.
2: Vents should be evenly distributed around the roof perimeter. Outlet vents, such as ridge vents, must only be installed in conjunction with inlet vents.
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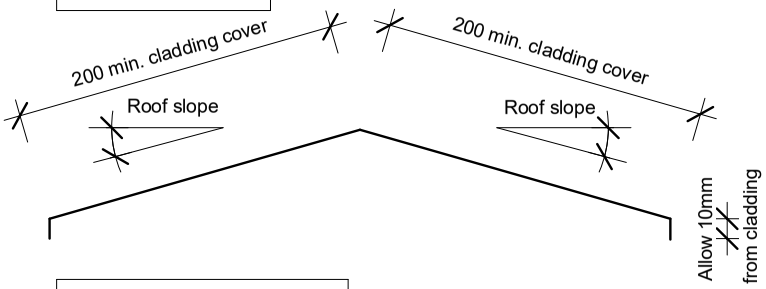
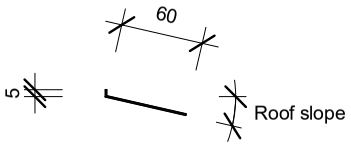
5: For a throat size of 50 mm a mesh of at least 10% free open area must be selected to achieve normal ventilation

Ridge flashing



Under-ridge flashing



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Abodo Wood Ltd.
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SHEET TITLE

Vented ridge - skillion

Scale: 1 : 5

PROFILE

Abodo Shingle Roof System

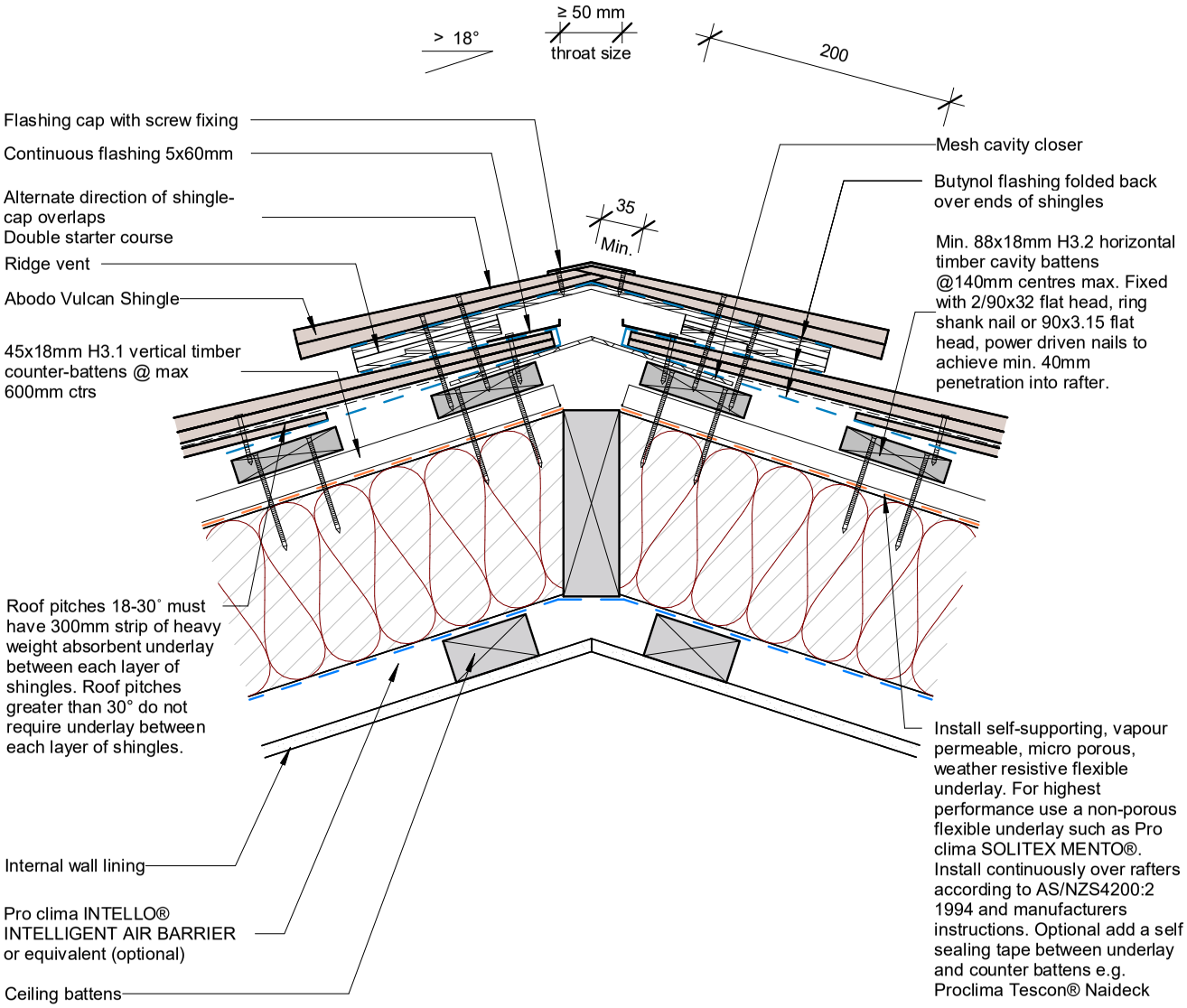
Date: November 2023

SHEET NUMBER

A.S.R.08

REVISION

01



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.
2: Vents should be evenly distributed around the roof perimeter. Outlet vents, such as ridge vents, must only be installed in conjunction with inlet vents.
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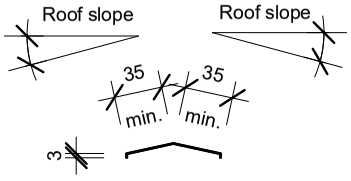
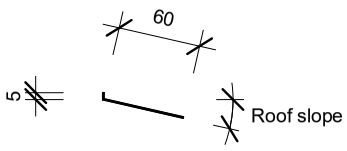
4: 30% of the total unobstructed area required should be located not more than 900 mm below the ridge or highest point of the roof space, measured vertically, with the remaining required area provided by these eave vents.
5: For a throat size of 50 mm a mesh of at least 10% free open area must be selected to achieve normal ventilation

Ridge flashing



Under-ridge flashing



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Abodo Wood Ltd.
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SHEET TITLE

Vented ridge - skillion 2

Scale: 1 : 5

PROFILE

Abodo Shingle Roof System

Date: November 2023

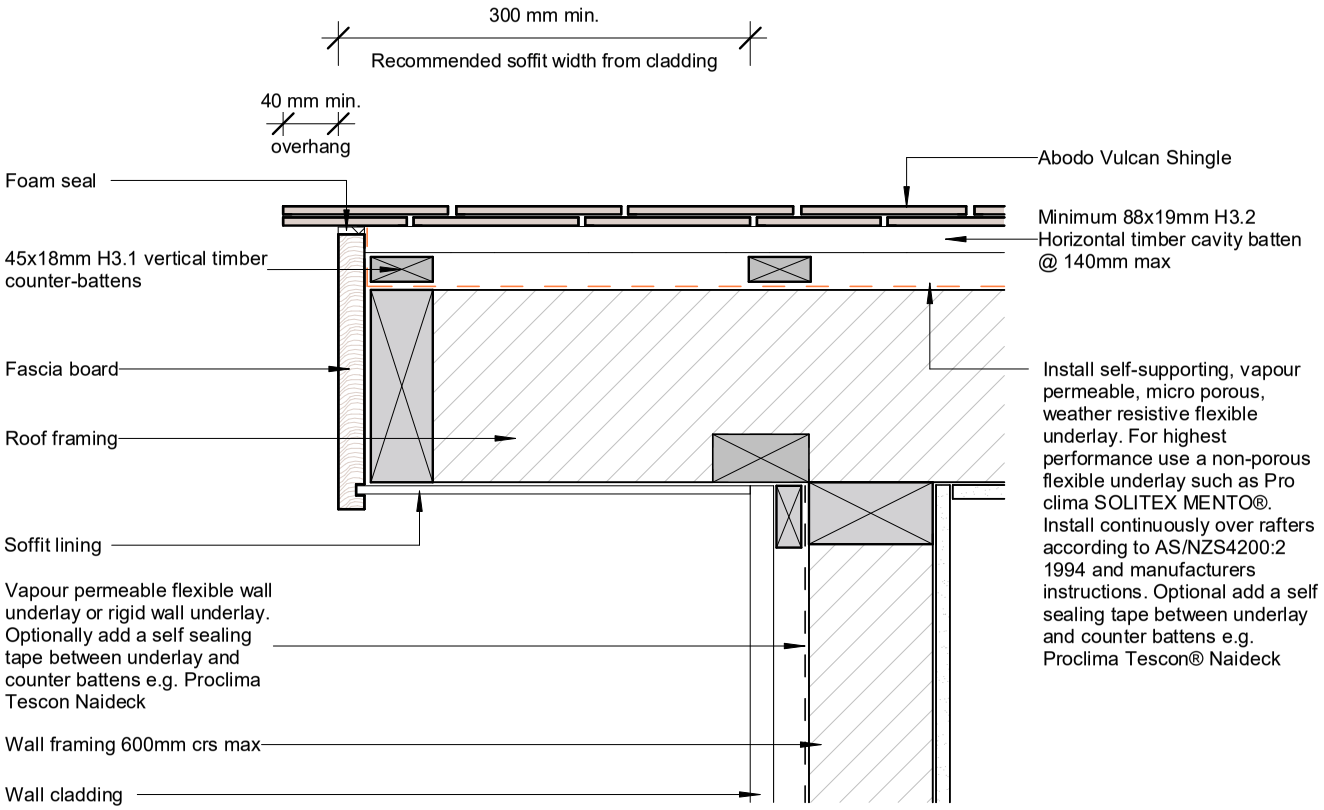
SHEET NUMBER

A.S.R.09

REVISION

01

Roof pitches between 18 - 30° must have a 300mm strip of heavy weight absorbent underlay between each layer of shingles. Roof pitches greater than 30° do not require underlay between each layer of shingles.



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Abodo Wood Ltd.
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SHEET TITLE

Shingle roof barge

Scale: 1 : 5

PROFILE

Abodo Shingle Roof System

Date: November 2023

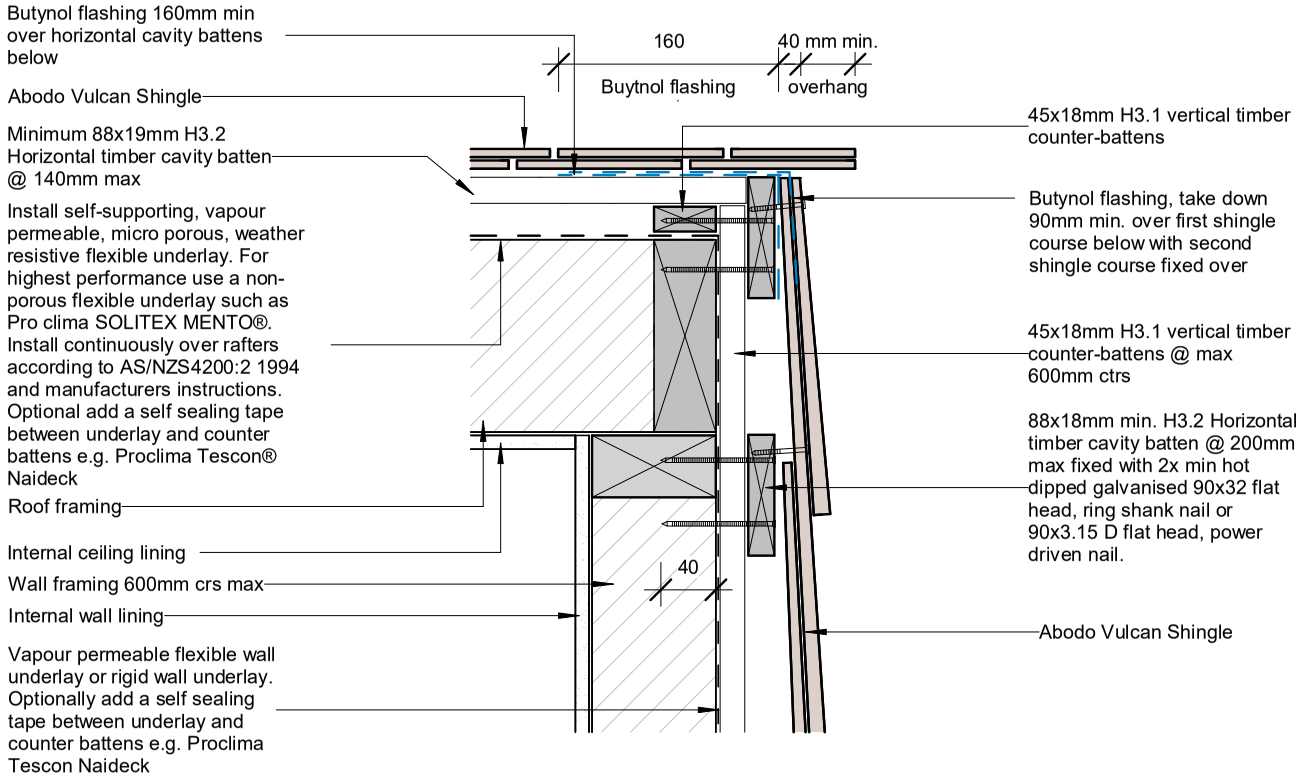
SHEET NUMBER

A.S.R.10

REVISION

01

Roof pitches between 18 - 30° must have a 300mm strip of heavy weight absorbent underlay between each layer of shingles. Roof pitches greater than 30° do not require underlay between each layer of shingles.



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Abodo Wood Ltd.
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SHEET TITLE

Shingles roof barge 2

Scale: 1 : 5

PROFILE

Abodo Shingle Roof System

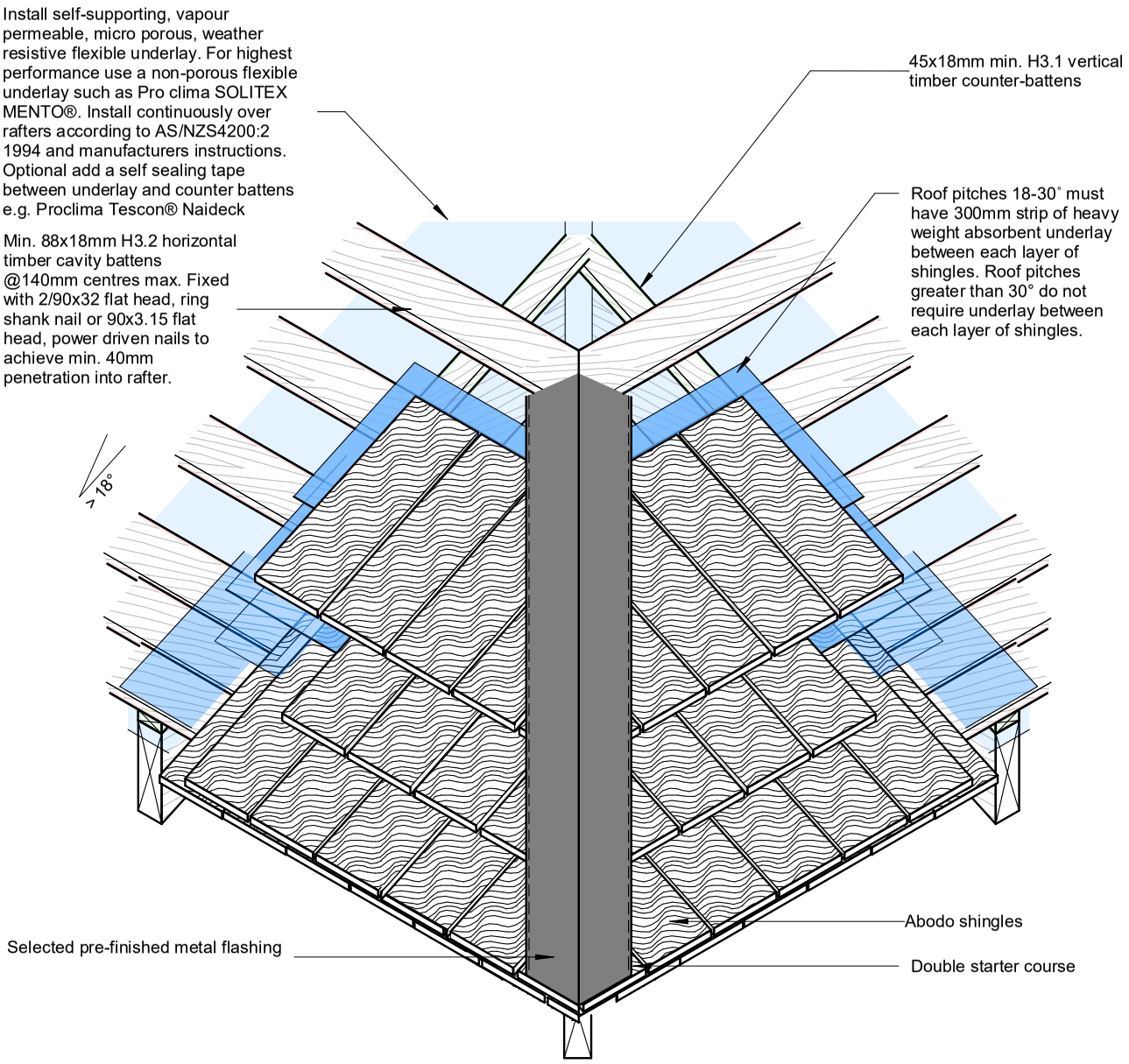
Date: November 2023

SHEET NUMBER

A.S.R.11

REVISION

01



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Abodo Wood Ltd.
62 Ascot Road, Mangere,
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SHEET TITLE

Shingles roof hip isometric

Scale: 1 : 10

PROFILE

Abodo Shingle Roof System

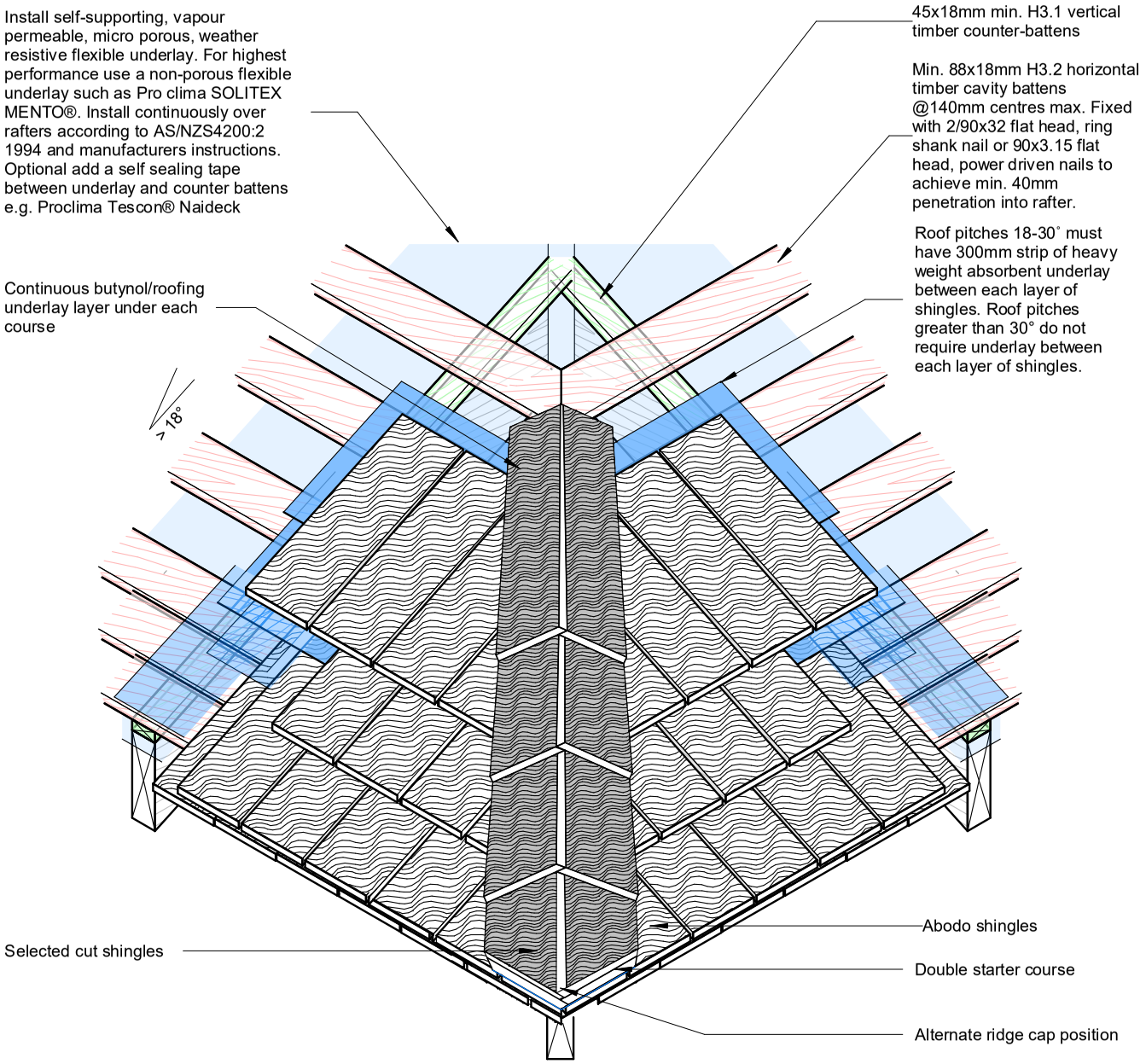
Date: November 2023

SHEET NUMBER

A.S.R.12

REVISION

01



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Abodo Wood Ltd.
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SHEET TITLE

Shingles roof hip isometric 2

Scale: 1 : 10

PROFILE

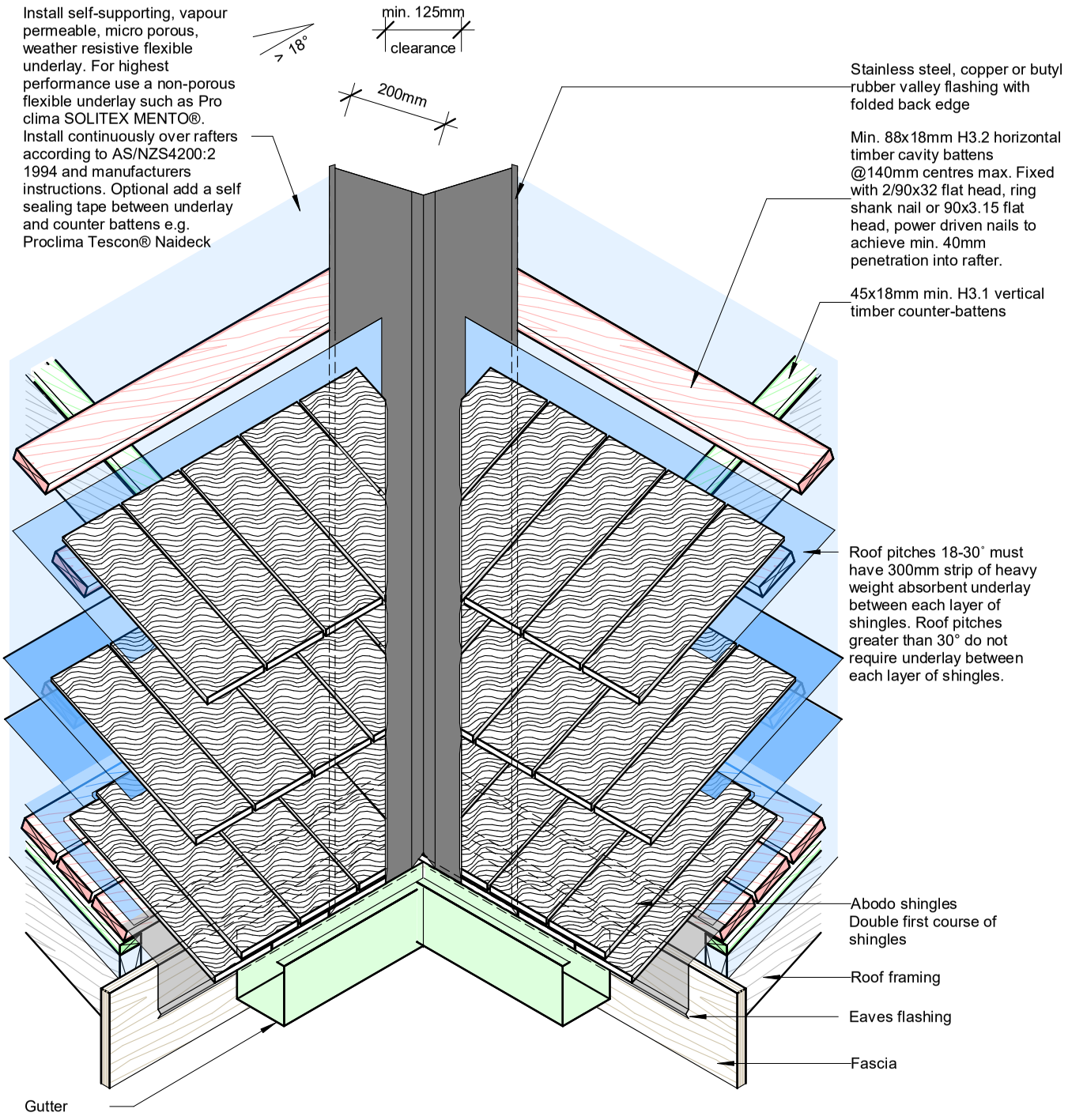
Abodo Shingle Roof System

Date: November 2023

SHEET NUMBER

A.S.R.13

REVISION



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Abodo Wood Ltd.
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Auckland 2022, New Zealand

SHEET TITLE

Shingles roof valley isometric

Scale: 1 : 10

PROFILE

Abodo Shingle Roof System

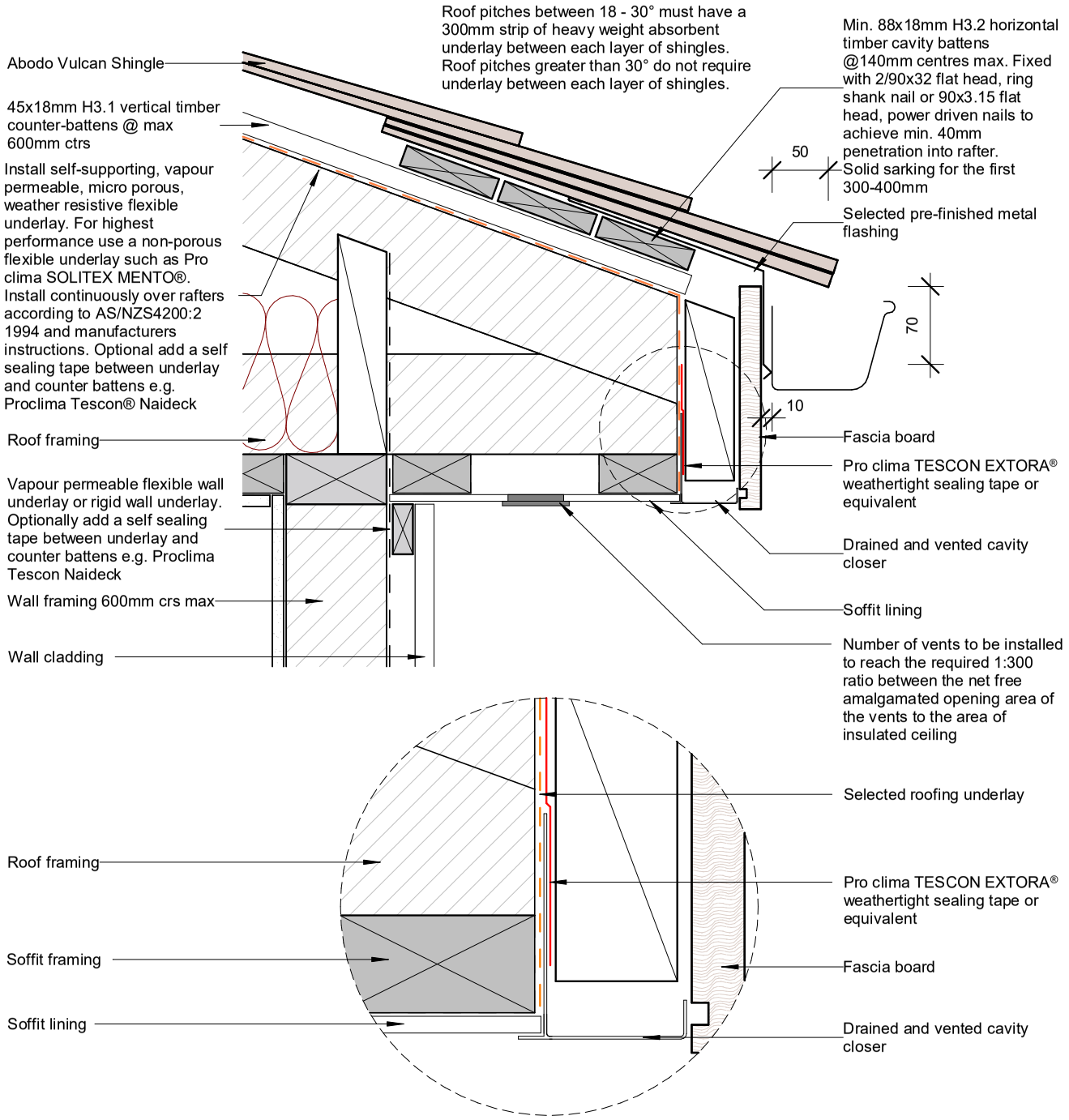
Date: November 2023

SHEET NUMBER

A.S.R.14

REVISION

01



NOTES:
1: Additional ventilation can be achieved to increase the purge rate of heat in summer by utilising a perforated flashing at eave.
2: 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.

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Abodo Wood Ltd.
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SHEET TITLE

Eave vented fascia truss

Scale: As indicated

PROFILE

Abodo Shingle Roof System

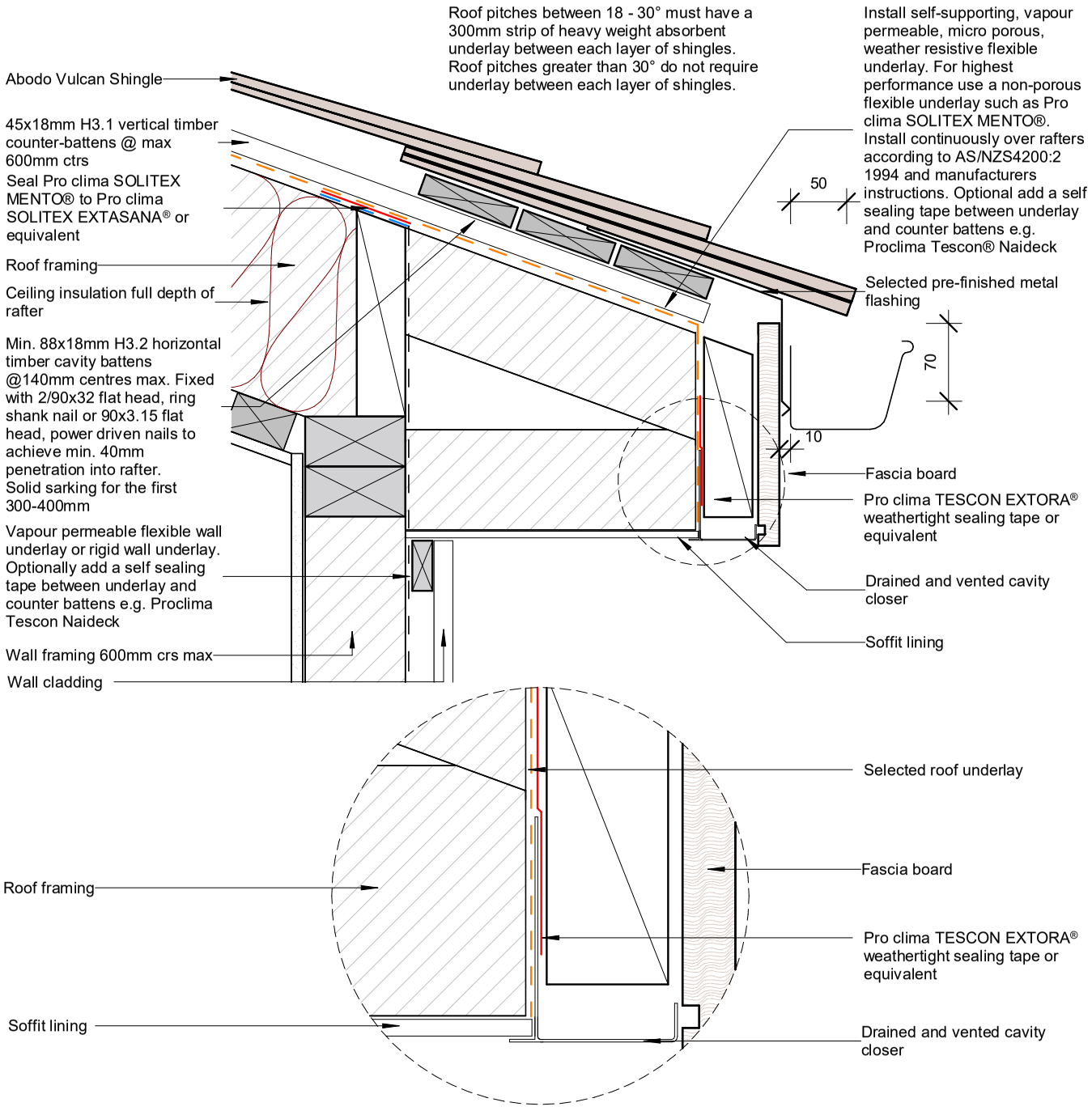
Date: November 2023

SHEET NUMBER

A.S.R.15

REVISION

01



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 BAL 40. 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.

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Abodo Wood Ltd.
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SHEET TITLE

Eave vented fascia skillion

Scale: As indicated

PROFILE

Abodo Shingle Roof System

Date: November 2023

SHEET NUMBER

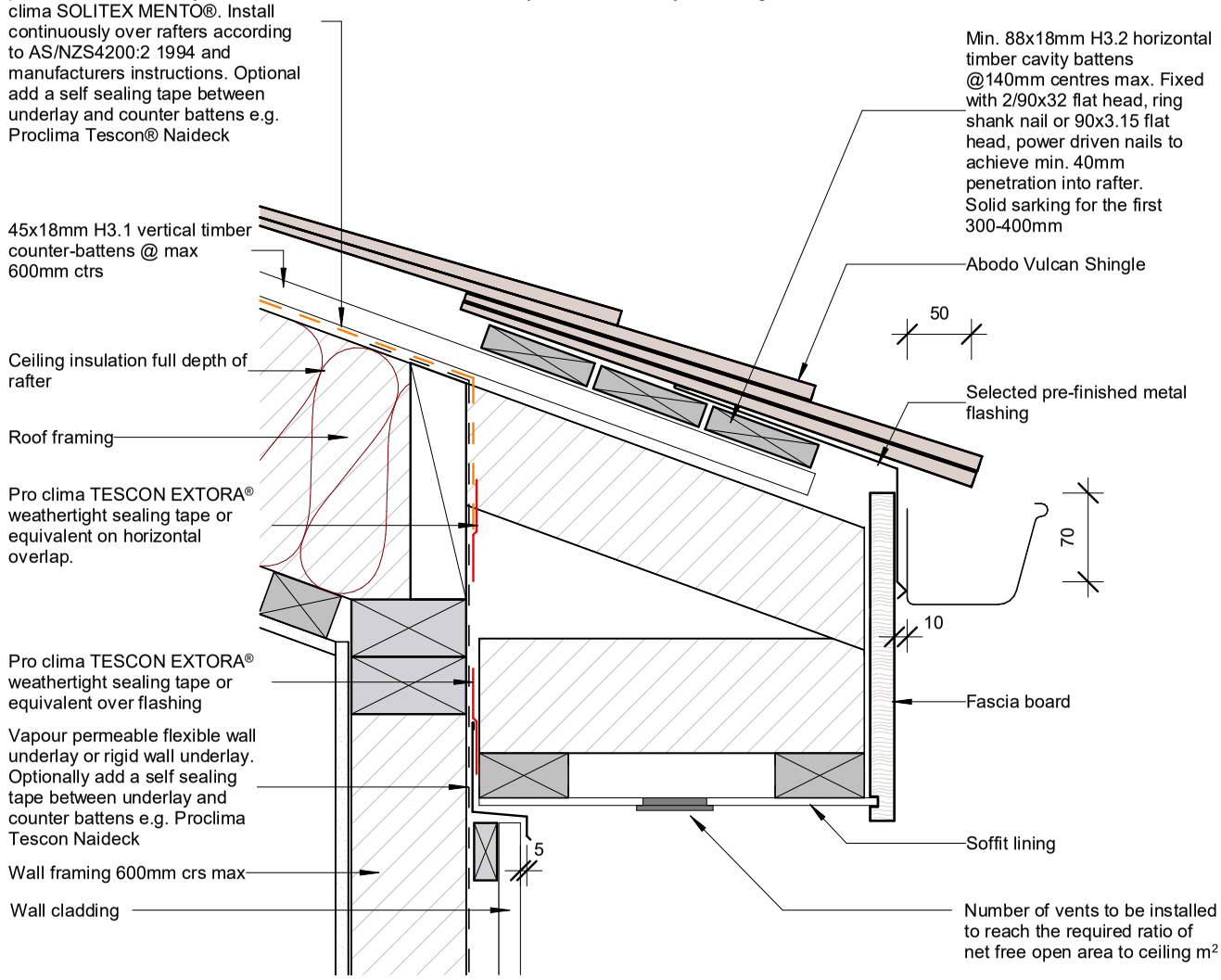
A.S.R.16

REVISION

01

Install self-supporting, vapour permeable, micro porous, weather resistive flexible underlay. For highest performance use a non-porous flexible underlay such as Pro clima SOLITEX MENTO®. Install continuously over rafters according to AS/NZS4200:2 1994 and manufacturers instructions. Optional add a self sealing tape between underlay and counter battens e.g. Proclima Tescon® Naideck

Roof pitches between 18 - 30° must have a 300mm strip of heavy weight absorbent underlay between each layer of shingles. Roof pitches greater than 30° do not require underlay between each layer of shingles.



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 BAL 40. 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.

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Abodo Wood Ltd.
62 Ascot Road, Mangere,
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SHEET TITLE

Eave vented soffit skillion

Scale: 1 : 5

PROFILE

Abodo Shingle Roof System

Date: November 2023

SHEET NUMBER

A.S.R.17

REVISION

01

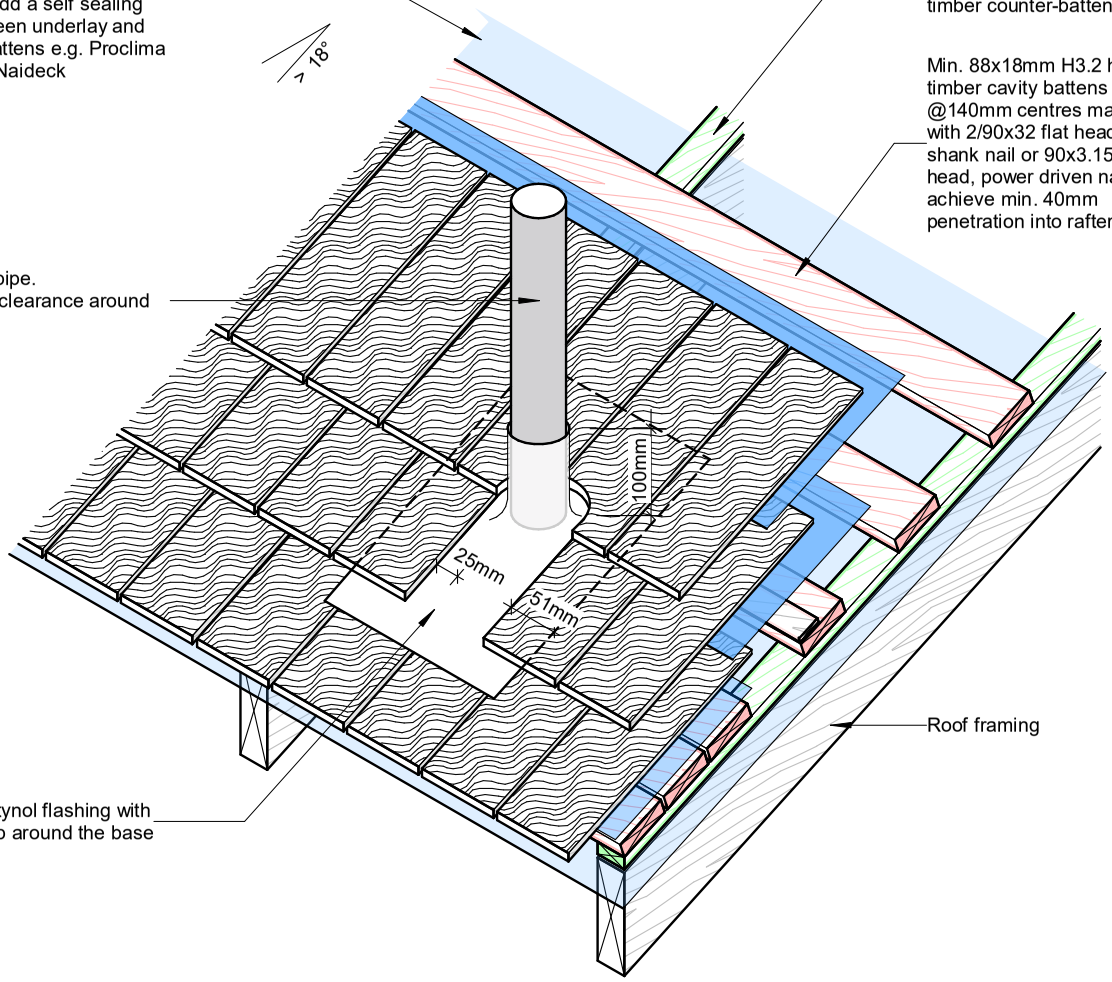
Install self-supporting, vapour permeable, micro porous, weather resistive flexible underlay. For highest performance use a non-porous flexible underlay such as Pro clima SOLITEX MENTO®. Install continuously over rafters according to AS/NZS4200:2 1994 and manufacturers instructions. Optional add a self sealing tape between underlay and counter battens e.g. Proclima Tescon® Naideck

Roof pitches between 18 - 30° must have a 300mm strip of heavy weight absorbent underlay between each layer of shingles. Roof pitches greater than 30° do not require underlay between each layer of shingles.

45x18mm min. H3.1 vertical timber counter-battens

Min. 88x18mm H3.2 horizontal timber cavity battens @140mm centres max. Fixed with 2/90x32 flat head, ring shank nail or 90x3.15 flat head, power driven nails to achieve min. 40mm penetration into rafter.

Stack/vent pipe.
25mm min. clearance around projection



Roof framing

Metal or butynol flashing with 100mm strip around the base

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Abodo Wood Ltd.
62 Ascot Road, Mangere,
Auckland 2022, New Zealand

SHEET TITLE

Shingle roof penetration

Scale: 1 : 10

PROFILE

Abodo Shingle Roof System

Date: November 2023

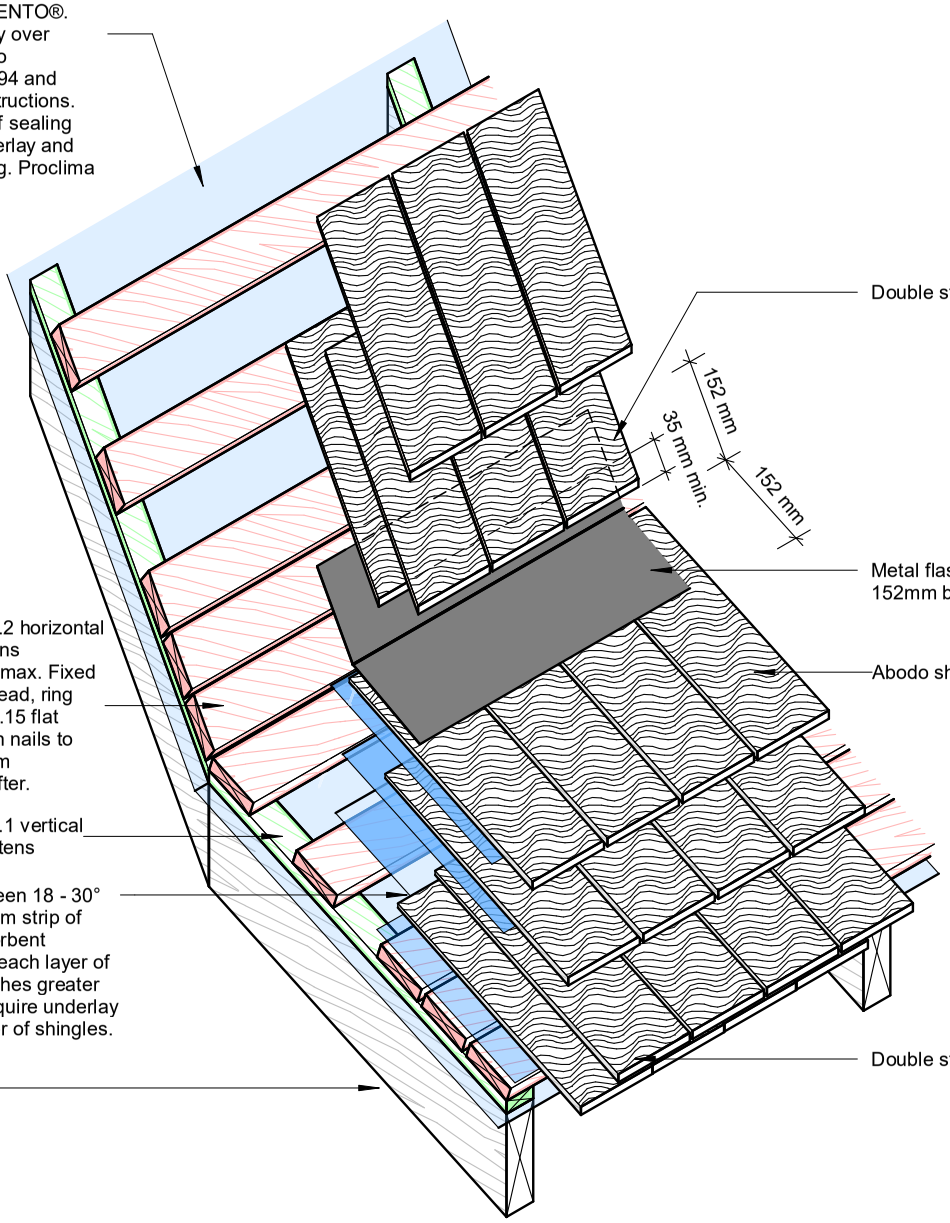
SHEET NUMBER

A.S.R.18

REVISION

01

Install self-supporting, vapour permeable, micro porous, weather resistive flexible underlay. For highest performance use a non-porous flexible underlay such as Pro clima SOLITEX MENTO®. Install continuously over rafters according to AS/NZS4200:2 1994 and manufacturers instructions. Optional add a self sealing tape between underlay and counter battens e.g. Proclima Tescon® Naideck



ABODO

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SHEET TITLE

Transition roof angle

Scale: 1 : 10

PROFILE

Abodo Shingle Roof System

Date: November 2023

SHEET NUMBER

A.S.R.19

REVISION

01