



MASONS
Designed Smart, Built Tough.

Option 1 - 6800mm² / 1m Cross Ventilation

Masons Roof Ventilation

Trussed Roof- Steel Longrun

Scale:

1:5

Date:

02/04/25

Drawing No.

Fig.1.03

Selected metal ridge flashing

2 MASONS Ventilation Battens at ridge
BATNVENT 45x18x1800

Custom matching Colorsteel flashing
with soft edge dressed down

MASONS Insul-Baffle - **BFFL.5X650X6**

Refer Eave detail Fig 1.05

Underlay to terminate at top purlin

Screw length to be an additional
30mm for fixing, or fix roofing and
flashing individually

MASONS **BATNVENT 45x11x1800**

Selected Masons roofing underlay

Selected metal longrun roofing
with stop end

Air Flow

min. 40mm

Air Flow

Air Flow

Masons Key Components: BATNVENT 45x11x1800, BFFL.5X650X6

For minimum values of 'X' refer to Table 7 E2/AS1. Recommend a minimum of 200mm to conceal soft edge flashing.

The main contractor is responsible for ensuring the proper placement of purlins at ridge and eave

The ridge cap should be supplied by the roof cladding supplier.

Compatible for trough depths up to 34mm

Mandatory eave flashing custom made to suit

This is a recommended method for roof ventilation; however, the overall design and dimensions are the responsibility of the designer to ensure compliance with the NZ Building Code, NZ Metal Roofing Code of Practice & E2/AS1



MASONS
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Option 1 - 6800mm² / 1m Cross Ventilation

Masons Mono Ridge/Barge Ventilation

Trussed Roof - Steel Longrun

Scale:

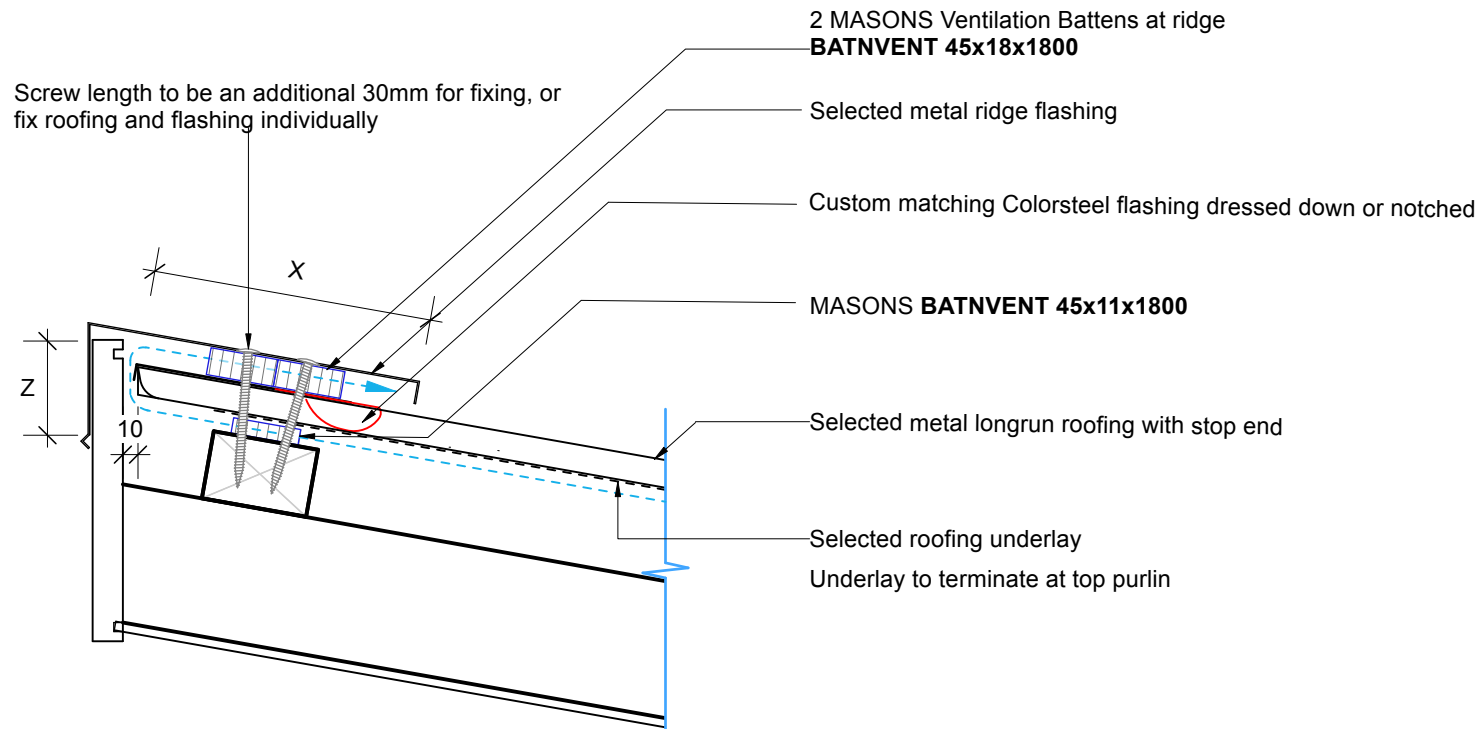
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Date:

02/04/25

Drawing No.

Fig.1.04



Masons Key Components: BATNVENT 45x11x1800

For minimum values of 'X' & 'Z' refer to Table 7 E2/AS1. Recommend a minimum of 200mm for 'X' to conceal soft edge flashing

The main contractor is responsible for ensuring the proper placement of purlins for fixing of the ridge vent.

The ridge cap should be supplied by the roof cladding supplier.

This is a recommended method for roof ventilation; however, the overall design and dimensions are the responsibility of the designer to ensure compliance with the NZ Building Code, NZ Metal Roofing Code of Practice & E2/AS1



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Option 1 - 6800mm² / 1m Cross Ventilation

Masons Eave Ventilation

Trussed Roof - Steel Longrun

Scale:

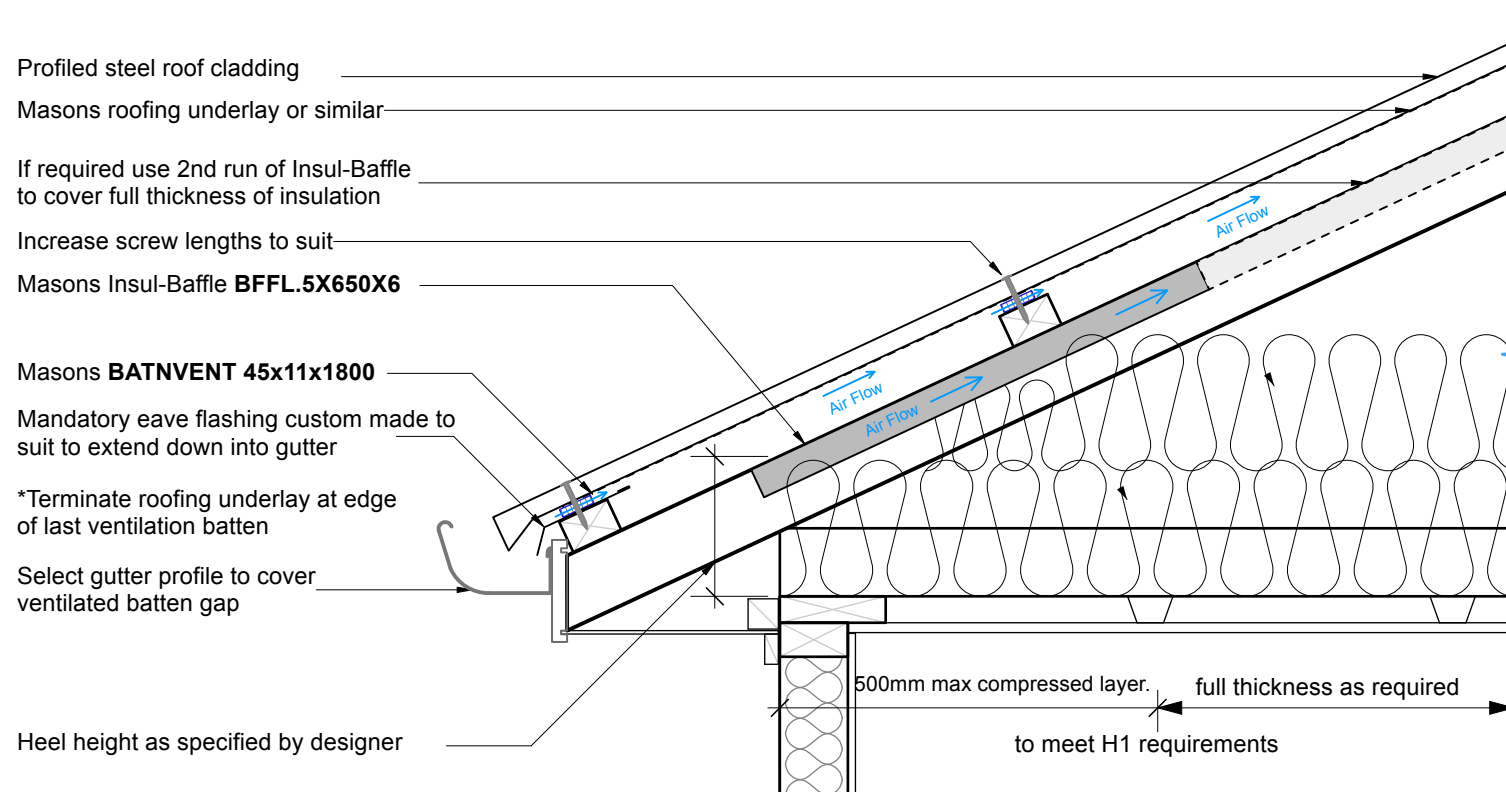
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Date:

02/04/25

Drawing No.

Fig.1.05



Masons Key Components: BFFL.5X650X6, BATNVENT 45x11x1800



MASONS
Designed Smart, Built Tough.

Option 2 - 12300mm² / 1m

Masons Roof Ventilation

Trussed / Skillion Roof - Steel Longrun

Scale:

1:5

Date:

02/04/25

Drawing No.

Fig.2.03

Selected metal ridge flashing
2 MASONS Ventilation Battens at ridge
BATNVENT 45x18x1800

Custom matching Colorsteel flashing
dressed down or notched

MASONS Insul-Baffle - **BFFL.5X650X6**

Refer Eave detail Fig 2.05/2.06

Underlay to terminate at top purlin

Screw length to be an additional
40mm for fixing, or fix roofing and
flashing individually

MASONS **BATNVENT 45x18x1800**

Selected roofing underlay

Selected metal longrun roofing
with stop end

min. 40mm

Skillion

Air Flow

Trussed

Masons Key Components: BATNVENT 45x18x1800, BFFL.5X650X6

For minimum values of 'X' refer to Table 7 E2/AS1. Recommend a minimum of 200mm to conceal soft edge flashing.

The main contractor is responsible for ensuring the proper placement of purlins at ridge and eave

The ridge cap should be supplied by the roof cladding supplier.

Compatible for trough depths up to 34mm

Mandatory eave flashing custom made to suit

This is a recommended method for roof ventilation; however, the overall design and dimensions are the responsibility of the designer to ensure compliance with the NZ Building Code, NZ Metal Roofing Code of Practice & E2/AS1



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Option 2 - 12300mm² / 1m

Masons Ridge/Barge Ventilation

Trussed / Skillion Roof - Steel Longrun

Scale:

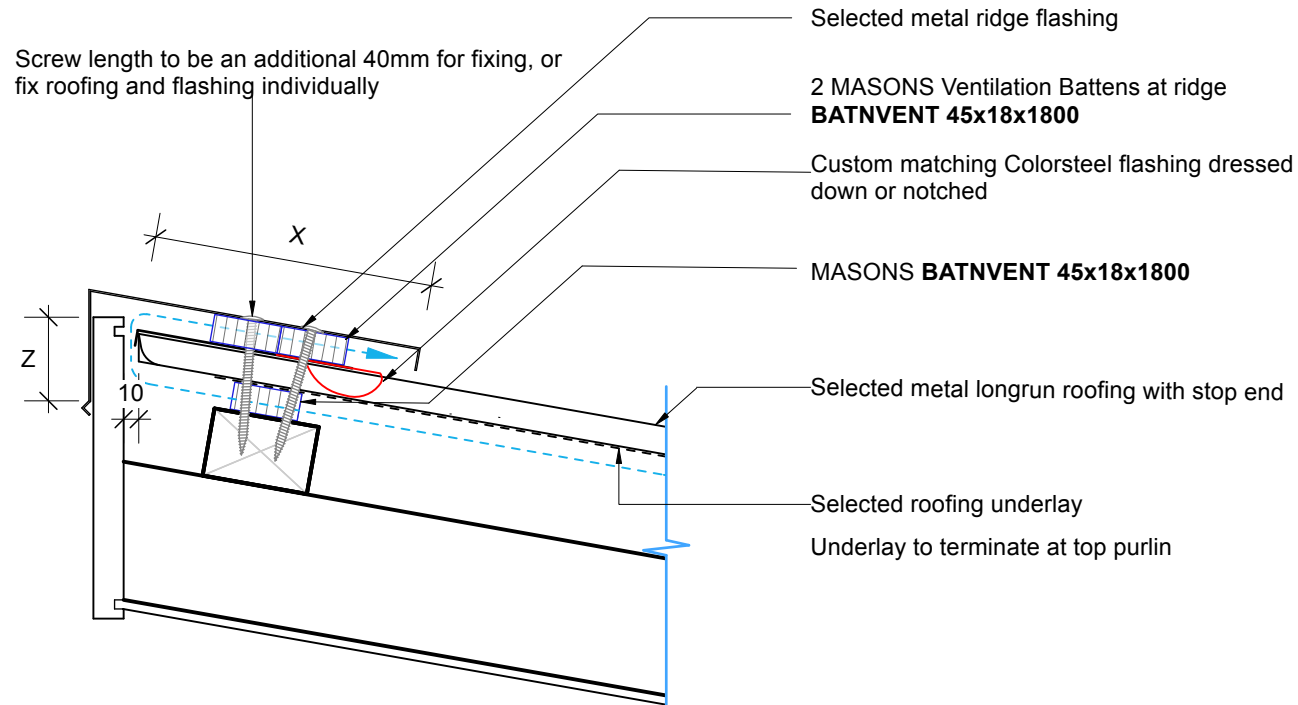
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Date:

02/04/25

Drawing No.

Fig.2.04



Masons Key Components: BATNVENT 45x18x1800

For minimum values of 'X' & 'Z' refer to Table 7 E2/AS1. Recommend a minimum of 200mm for 'X' to conceal soft edge flashing

The main contractor is responsible for ensuring the proper placement of purlins for fixing of the ridge vent.

The ridge cap should be supplied by the roof cladding supplier.

This is a recommended method for roof ventilation; however, the overall design and dimensions are the responsibility of the designer to ensure compliance with the NZ Building Code, NZ Metal Roofing Code of Practice & E2/AS1



MASONS
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Option 2 - 12300mm² / 1m Cross Ventilation

Masons Eave Ventilation

Trussed Roof - Steel Longrun

Scale:

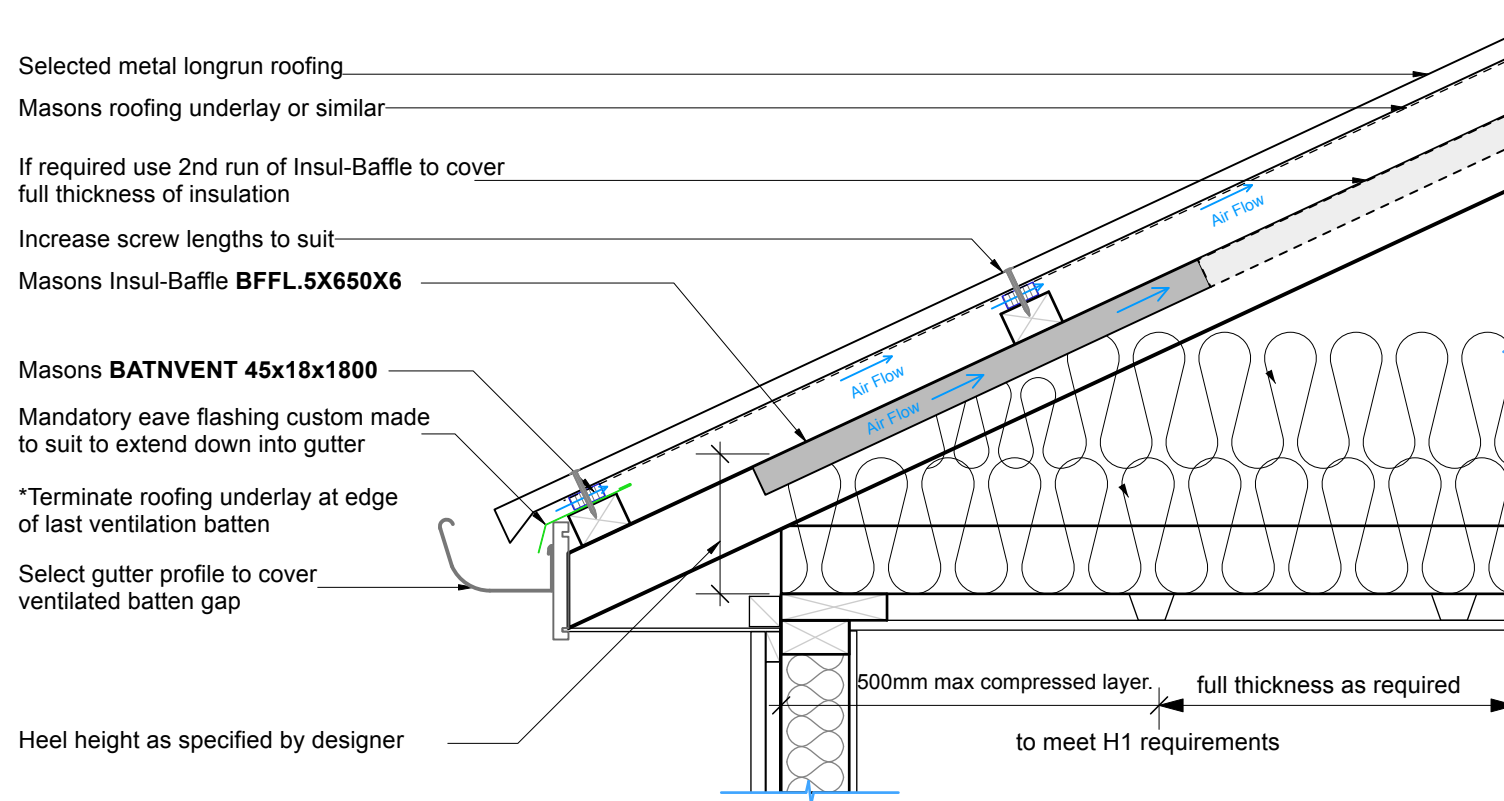
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Date:

02/04/25

Drawing No.

Fig.2.05



Masons Key Components: BFFL.5X650X6, BATNVENT 45x18x1800



MASONS
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Option 2 - 12300mm² / 1m Cross Ventilation

Masons Eave Ventilation

Skillion Roof - Steel Longrun

Scale:

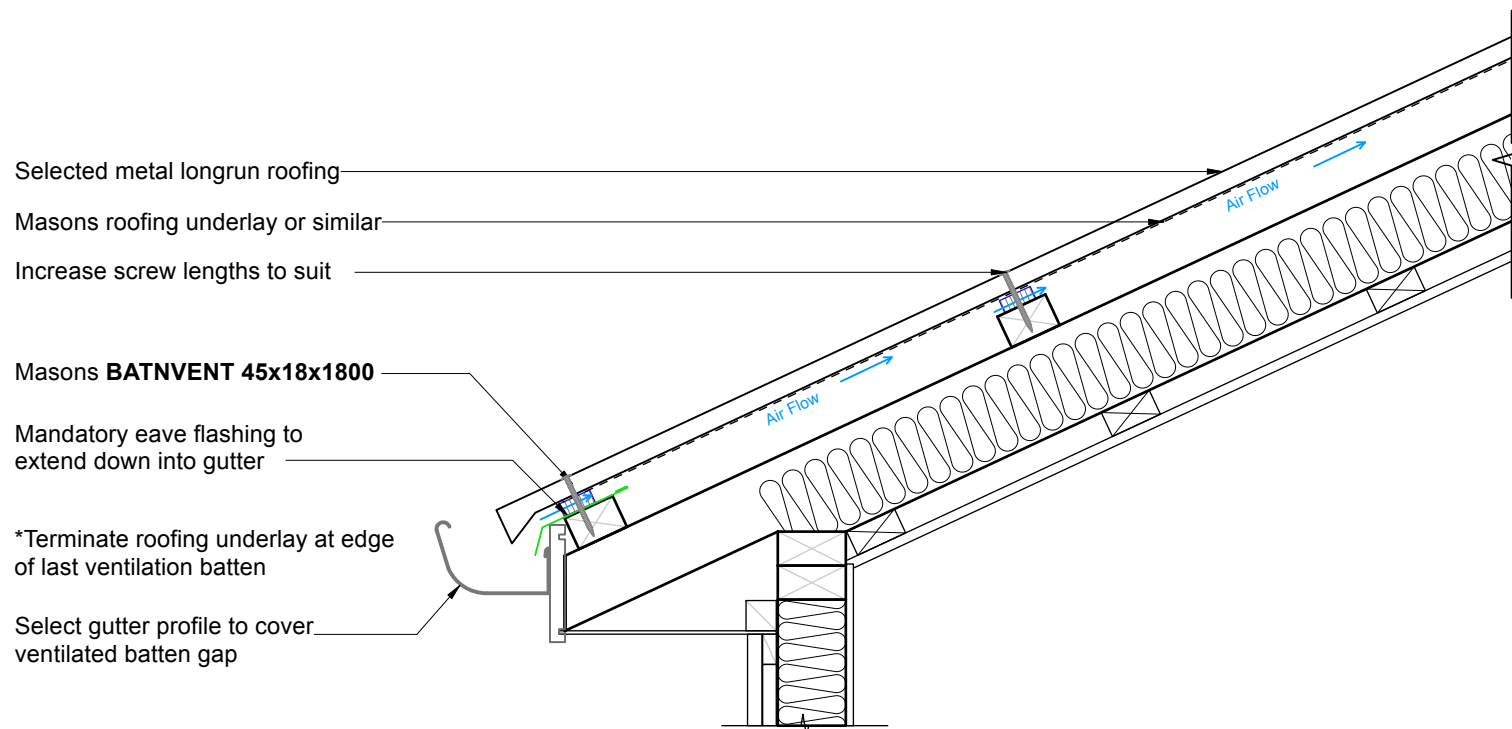
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Date:

02/04/25

Drawing No.

Fig.2.06



Masons Key Components: BATNVENT 45x18x1800



Option 3 - 10000mm² / 1m Cross Ventilation to Attic Space + vapour separation between roof and underlay - Trussed Roof

Masons Roof Ventilation

Scale:

1:5

Date:

02/04/25

Drawing No.

Fig.3.03

Colorsteel ridge capping to suit profile

2 MASONS Ventilation Battens at ridge
BATNVENT 45x18x1800

Custom matching Colorsteel flashing
dressed down or notched

MASONS **BATNVENT 45x11x1800**
(6800mm/1m)

Refer Eave details Fig. 3.09

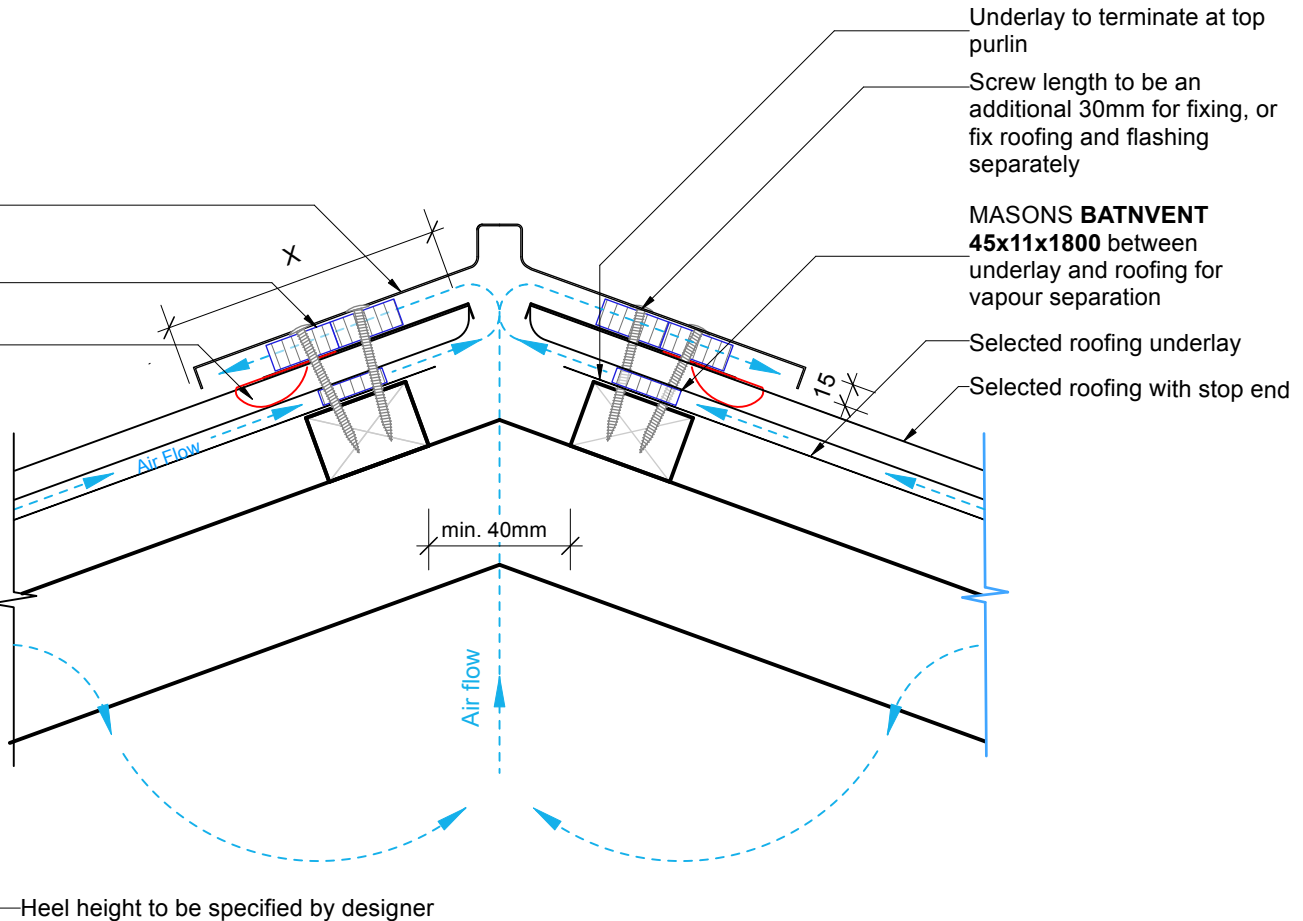
Masons Insul-Baffle **BFFL.5x650x6**

Eave flashing mandatory

Air Flow

Air Flow

Eave ventilation strip min.
10000mm²/1m



Masons Key components: BATNVENT 45x11x1800, EAVEVENT10000, BFFL.5X650X6

This method is intended for ventilating **trussed roofs only** for superior performance.
For minimum values of 'X' refer to Table 7 E2/AS1. Recommend a minimum of 200mm for 'X' to conceal flashing tape.
The main contractor is responsible for ensuring the proper placement of purlins at ridge and eave
The ridge cap should be supplied by the roof cladding supplier.
Compatible for trough depths up to 34mm.

This is a recommended method for roof ventilation; however, the overall design and dimensions are the responsibility of the designer to ensure compliance with the NZ Building Code, NZ Metal Roofing Code of Practice & E2/AS1



MASONS
Designed Smart, Built Tough.

Option 3 - 24600mm² / lm Cross Ventilation + vapour separation between roof and underlay

Masons Roof Ventilation

Trussed roof <15° or Skillion Roof all pitches - Steel Longrun

Scale:

1:5

Date:

02/04/25

Drawing No.

Fig.3.04

Colorsteel ridge capping to suit profile
2 MASONS Ventilation Battens at ridge
BATNVENT 45x18x1800
MASONS **BATNVENT 45x18x1800**
(12300mm²/lm)

Custom matching Colorsteel flashing
dressed down or notched

MASONS **BATNVENT 45x11x1800**
Refer Eave detail Fig. 3.06
and Fig. 3.07

Eave flashing mandatory

20 min.
* *

Eave ventilation strip min.
12300mm²/lm

Underlay to terminate at top
purlin

Screw length to be an
additional 50mm for fixing, or
fix roofing and flashing
separately

MASONS **BATNVENT**
45x11x1800 between
underlay and roofing for
vapour separation

Selected roofing underlay

Selected roofing with stop end

Masons Key Components: BATNVENT 45x11x1800, BATNVENT 45x18x1800, EAVEVENT12300

This method is intended for ventilating **Skillion roofs but can also be adapted to Trussed roofs** for superior performance.
For minimum values of 'X' refer to Table 7 E2/AS1. Recommend a minimum of 200mm for 'X' to conceal custom flashing (or more if required)
The main contractor is responsible for ensuring the proper placement of purlins at ridge and eave
The ridge cap should be supplied by the roof cladding supplier.
Compatible for trough depths up to 34mm only.

This is a recommended method for roof ventilation; however, the overall design and dimensions are the responsibility of the designer
to ensure compliance with the NZ Building Code, NZ Metal Roofing Code of Practice & E2/AS1



Option 3 - Cross ventilation as stated + vapour separation between roof and underlay

Masons Mono Ridge/Barge Ventilation

Trussed & Skillion Roof - Steel Longrun

Scale:

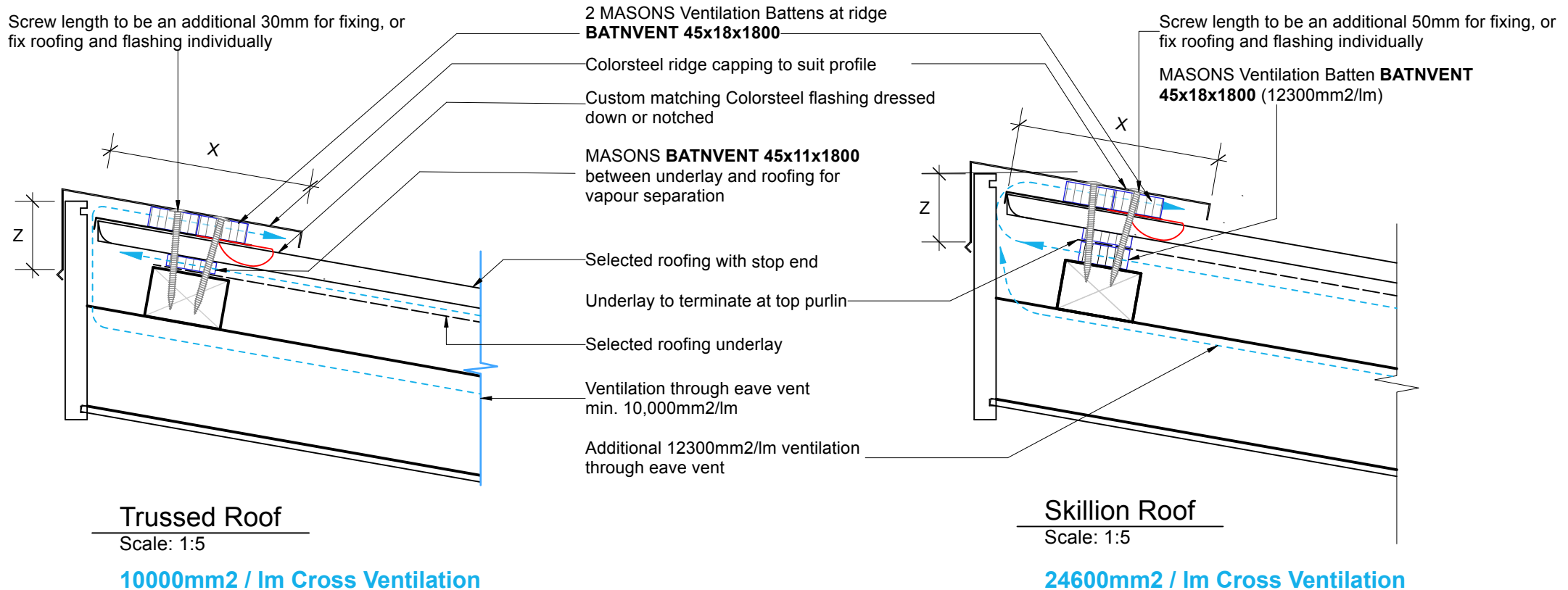
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Date:

02/04/25

Drawing No.

Fig.3.05



Masons Key Components: BATNVENT 45x18x1800, BATNVENT 45x11x1800, EAVEVENT10000 / EAVEVENT12300

For minimum values of 'X' & 'Z' refer to Table 7 E2/AS1. Recommend a minimum of 200mm for 'X' to conceal custom flashing (or more if required)

The main contractor is responsible for ensuring the proper placement of purlins for fixing of the ridge vent.

The ridge cap should be supplied by the roof cladding supplier.

This is a recommended method for roof ventilation; however, the overall design and dimensions are the responsibility of the designer to ensure compliance with the NZ Building Code, NZ Metal Roofing Code of Practice & E2/AS1



Option 3 - 24600mm² / 1m Cross Ventilation

Masons - Eave Ventilation for Skillion Roofs & Trussed Roofs <15°

Skillion /Trussed Roof - Steel Longrun Roofing

Scale:

1:5

Date:

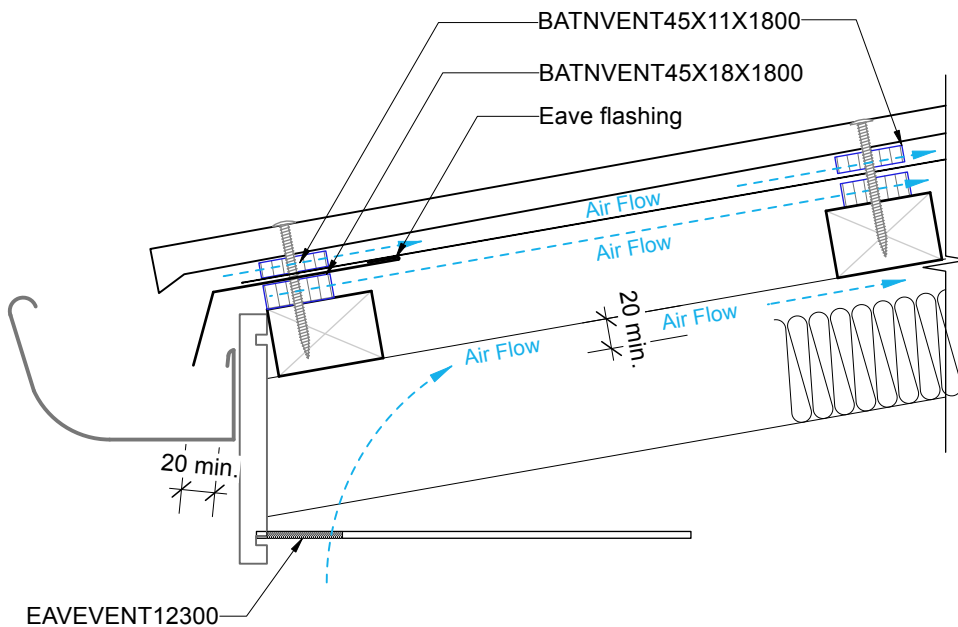
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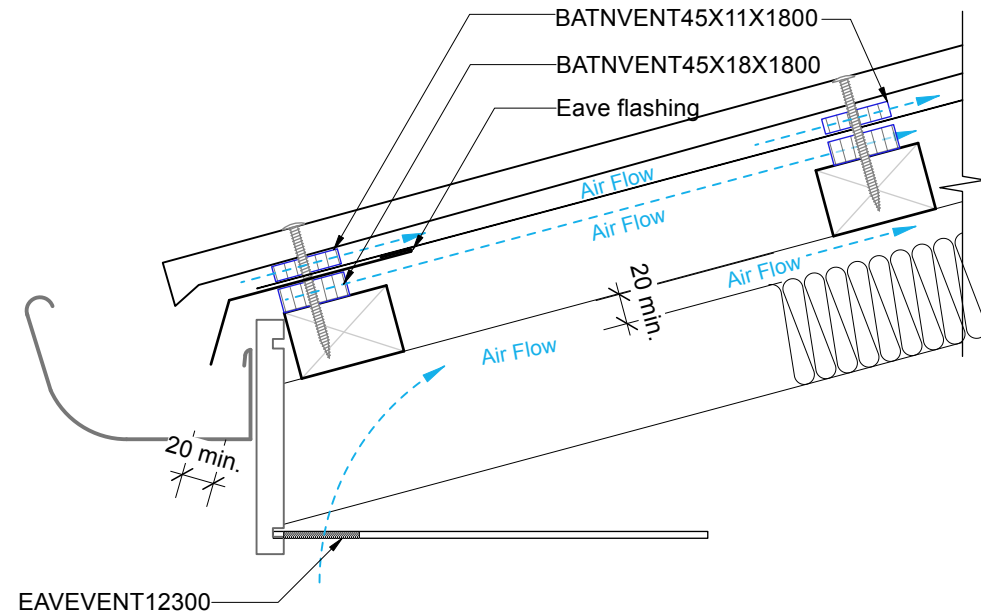
Fig.3.06

KEY COMPONENTS

11mm Ventilation batten - BATNVENT 45X11X1800 (6800mm²/lm)
 18mm Ventilation batten - BATNVENT 45X18X1800 (12300mm²/lm)
 Eave Vent - EAVEVENT12300
 Eave flashing - by others



Masons Eave Ventilation - 10° Skillion Roof



Masons Eave Ventilation - 15° Skillion Roof or <15° Trussed Roof



Option 3 - 24600mm² / Im Cross Ventilation

Masons - Eave Ventilation for Skillion Roofs

Skillion Roof - Steel Longrun Roofing

Scale:

1:5

Date:

02/04/25

Drawing No.

Fig.3.07

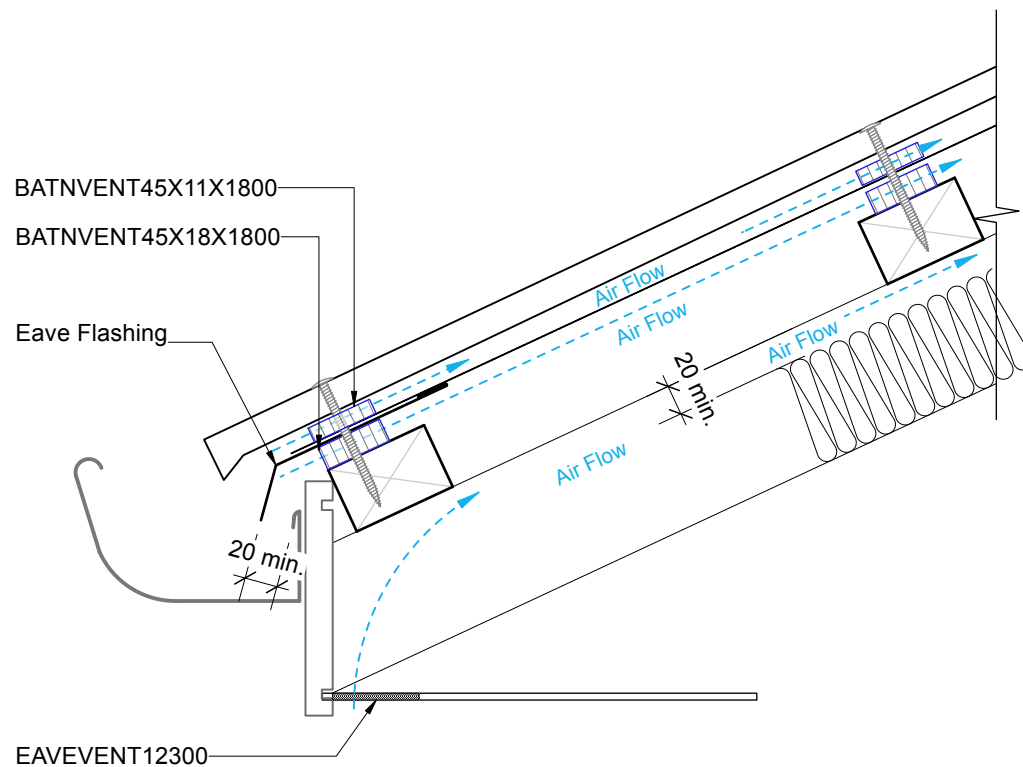
KEY COMPONENTS

11mm Ventilation batten - BATNVENT 45X11X1800 (6800mm²/Im)

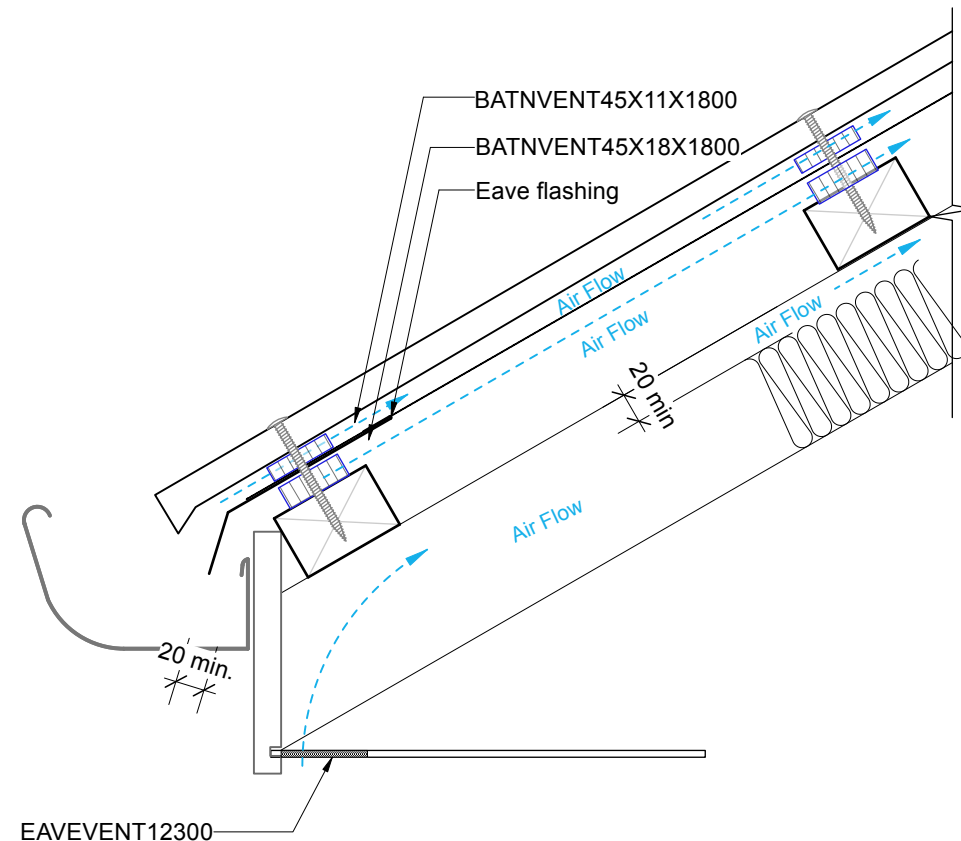
18mm Ventilation batten - BATNVENT 45X18X1800 (12300mm²/Im)

Eave Vent - EAVEVENT12300

Eave Flashing - By others



Masons Eave Ventilation - 20° Skillion Roof



Masons Eave Ventilation - 30° Skillion Roof



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Option 3 - 24600mm² / 1m Cross Ventilation

Masons - Eave Ventilation for Trussed Roof >15°

Trussed Roof - Steel Longrun Roofing

Scale:

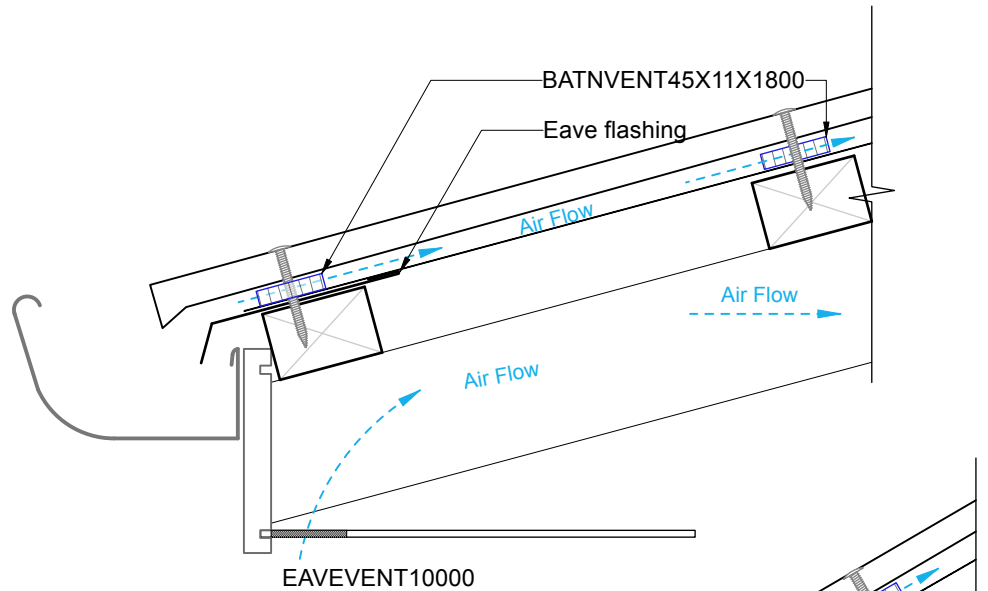
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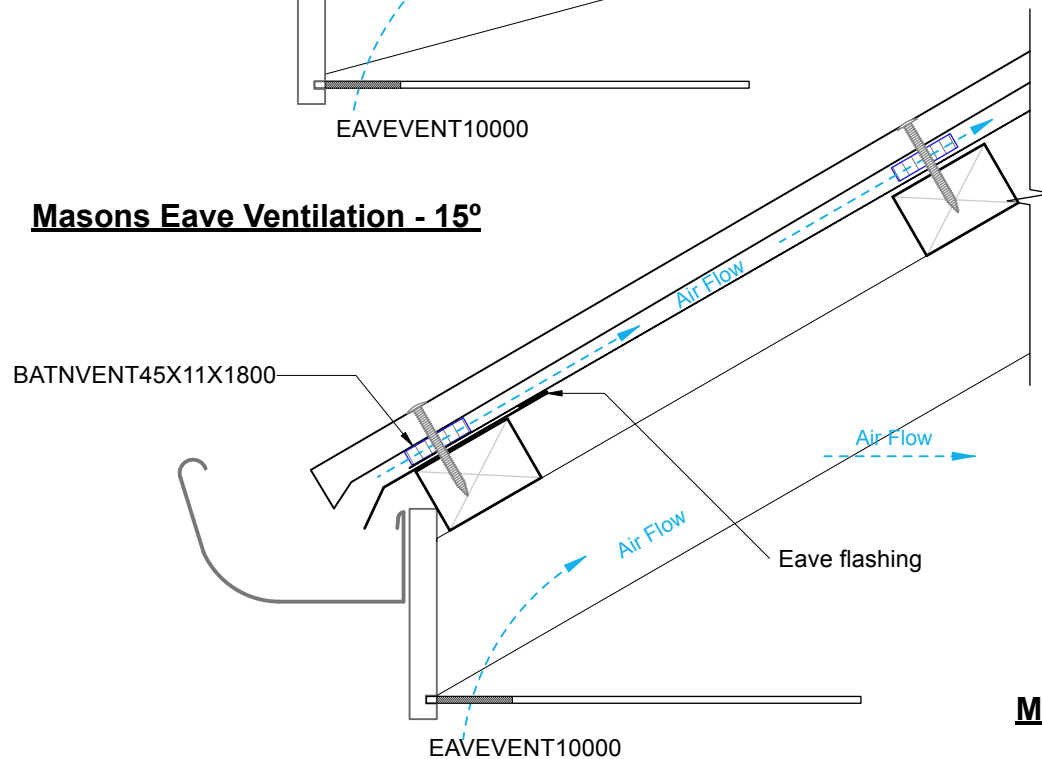
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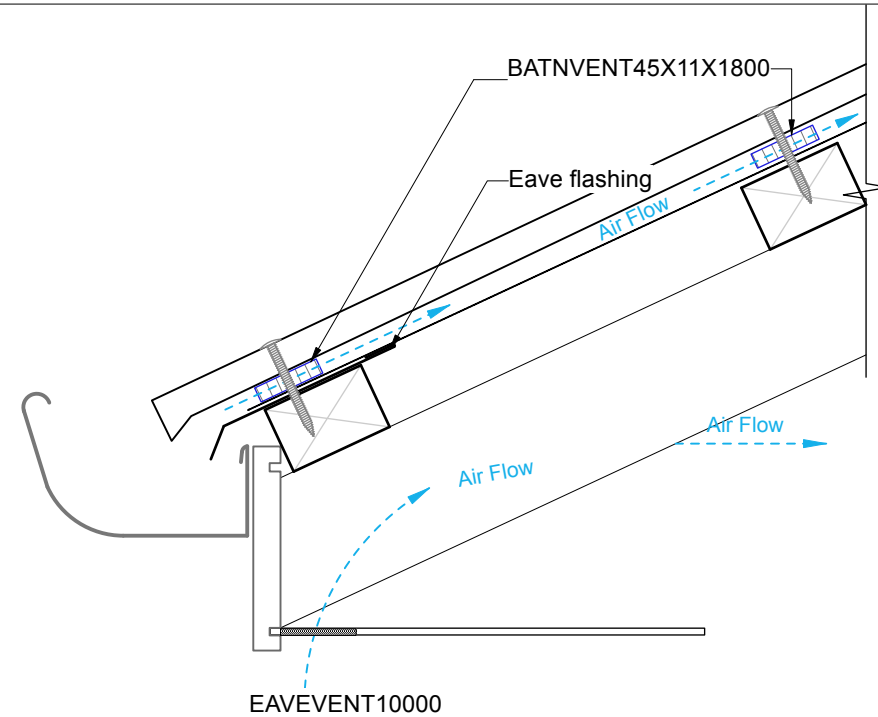
Fig.3.08



Masons Eave Ventilation - 15°



Masons Eave Ventilation - 30°



Masons Eave Ventilation - 25°

KEY COMPONENTS

11mm Ventilation Batten - BATNVENT45X11X1800

Eave Vent - EAVEVENT10000

Eave Flashing - By others