ThermoSpan EPS

RESIDENTIAL ROOFING

DETAIL LIST		Revision	Date
00 / 32	COVER SHEET		
01 / 32	ROOF RIDGE 01	1.2	19.12.2024
02 / 32	ROOF RIDGE 02	2.1	19.12.2024
03 / 32	SAWTOOTH RIDGE 01	1.2	19.12.2024
04 / 32	SAWTOOTH RIDGE 02	1.1	19.12.2024
05 / 32	SAW TOOTH SOFFIT DETAIL 01	1.2	19.12.2024
06 / 32	SAW TOOTH SOFFIT DETAIL 02	1.1	19.12.2024
07 / 32	ROOF VALLEY 01	1.1	19.12.2024
08 / 32	ROOF VALLEY 02	1.1	19.12.2024
09 / 32	BARGE 01	1.2	19.12.2024
10 / 32	BARGE 02	1.1	19.12.2024
11 / 32	GUTTER DETAIL 01	1.1	19.12.2024
12 / 32	GUTTER DETAIL 02	1.1	19.12.2024
13 / 32	CANTILEVER BARGE CAPPING DETAIL 01	1.1	19.12.2024
14 / 32	CANTILEVER BARGE CAPPING DETAIL 02	1.1	19.12.2024
15 / 32	PARAPET WITH TRANSVERSE APRON	1.1	19.12.2024
16 / 32	TRANSVERSE APRON	1.1	19.12.2024

DETAIL LIST		Revision	Date
17 / 32	PARALLEL APRON	1.1	19.12.2024
18 / 32	PIPE PENETRATION DIRECT FIXED BOOT FLASHING	1.1	19.12.2024
19 / 32	PIPE PENETRATION BACK TRAY BOOT FLASHING	1.1	19.12.2024
20 / 32	EXPANSION STEP DETAIL	1.1	19.12.2024
21 / 32	CHIMNEY PENETRATION DETAIL	1.1	19.12.2024
22 / 32	SIDE LAP DETAIL	1.1	19.12.2024
23 / 32	FASCIA AND BARGE FLASHING DIMENSIONS	1.2	19.12.2024
24 / 32	3D RIDGE TO BARGE JUCTION	1.2	19.12.2024
25 / 32	3D DUTCH GABLE	1.1	19.12.2024
26 / 32	3D APRON	1.1	19.12.2024
27 / 32	3D OVER 85mm DIAMETER PIPE PENETRATION	1.1	19.12.2024
28 / 32	3D CHIMNEY PENETRATION	1.1	19.12.2024
29 / 32	3D RIDGE/BARGE FLASHINGS	1.1	19.12.2024
30 / 32	3D DUTCH GABLE FLASHINGS	1.1	19.12.2024
31 / 32	CANTILEVER DRAWING	1.1	19.12.2024
32 / 32	PANEL PROFILE AND SIZE	1.1	19.12.2024

RREPS

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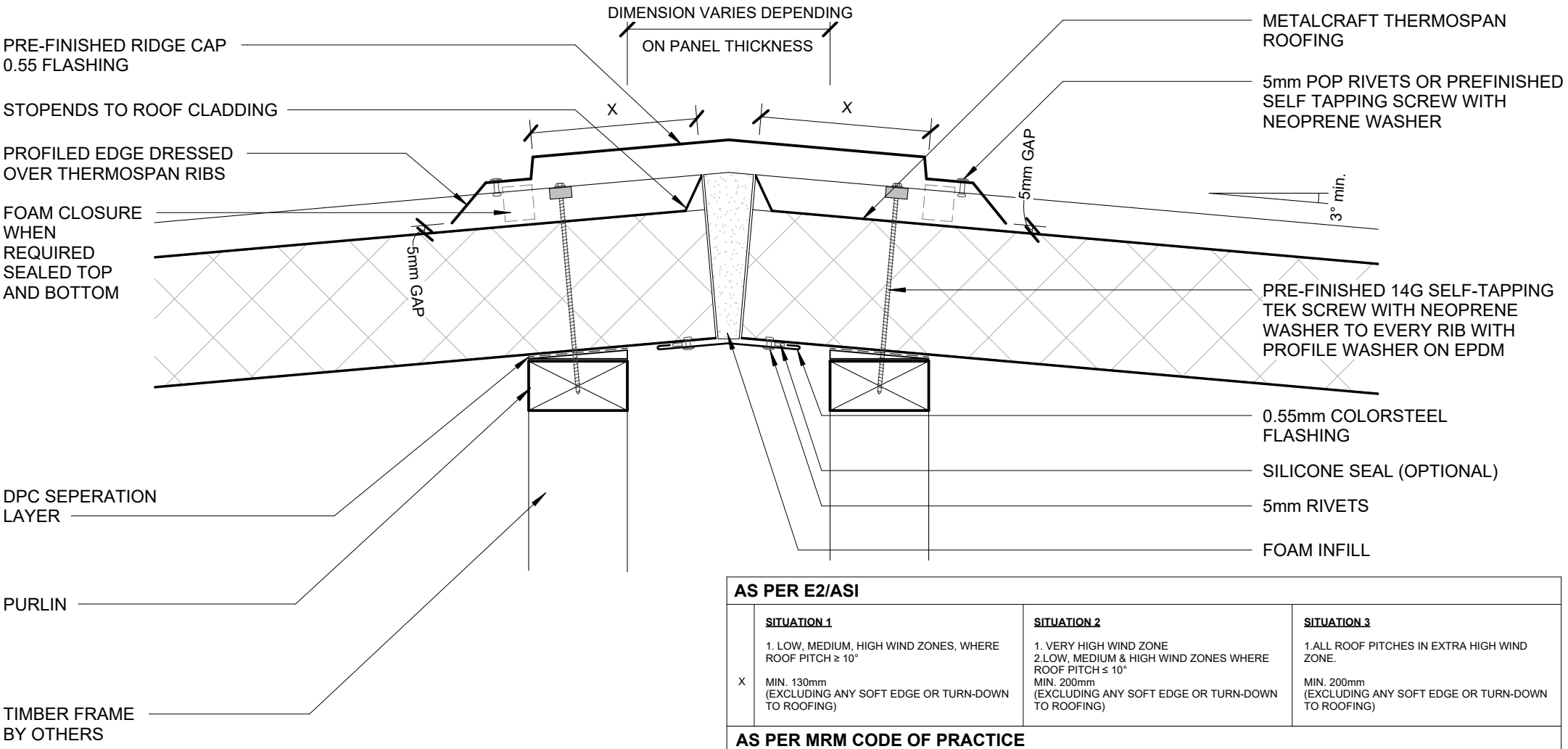

AS PER E2/ASI

	SITUATION 1	SITUATION 2	SITUATION 3
	1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH ≥ 10°	1. VERY HIGH WIND ZONE 2.LOW, MEDIUM & HIGH WIND ZONES WHERE ROOF PITCH ≤ 10°	1.ALL ROOF PITCHES IN EXTRA HIGH WIND ZONE.
X	MIN. 130mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)	MIN. 200mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)	MIN. 200mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)

AS PER MRM CODE OF PRACTICE

	CATEGORY A	CATEGORY B	CATEGORY C	CATEGORY D
	LOW, MEDIUM OR HIGH WIND ZONES - ALL ROOF PITCHES VERY HIGH AND EXTRA HIGH WIND ZONES WHERE THE PITCH IS EQUAL TO OR GREATER THAN 10°	VERY HIGH WIND ZONES ROOF PITCH <8° EXTRA HIGH WIND ZONES -ALL ROOF PITCHES	SED WIND ZONES UP TO 60 m/s ALL ROOF PITCH	SED WIND ZONES UP TO 68 m/s ALL ROOF PITCH
X	MIN. 130mm	MIN. 200mm	MIN. 200mm	MIN. 200mm + BAFFLE (REFER NZ MRM COP)

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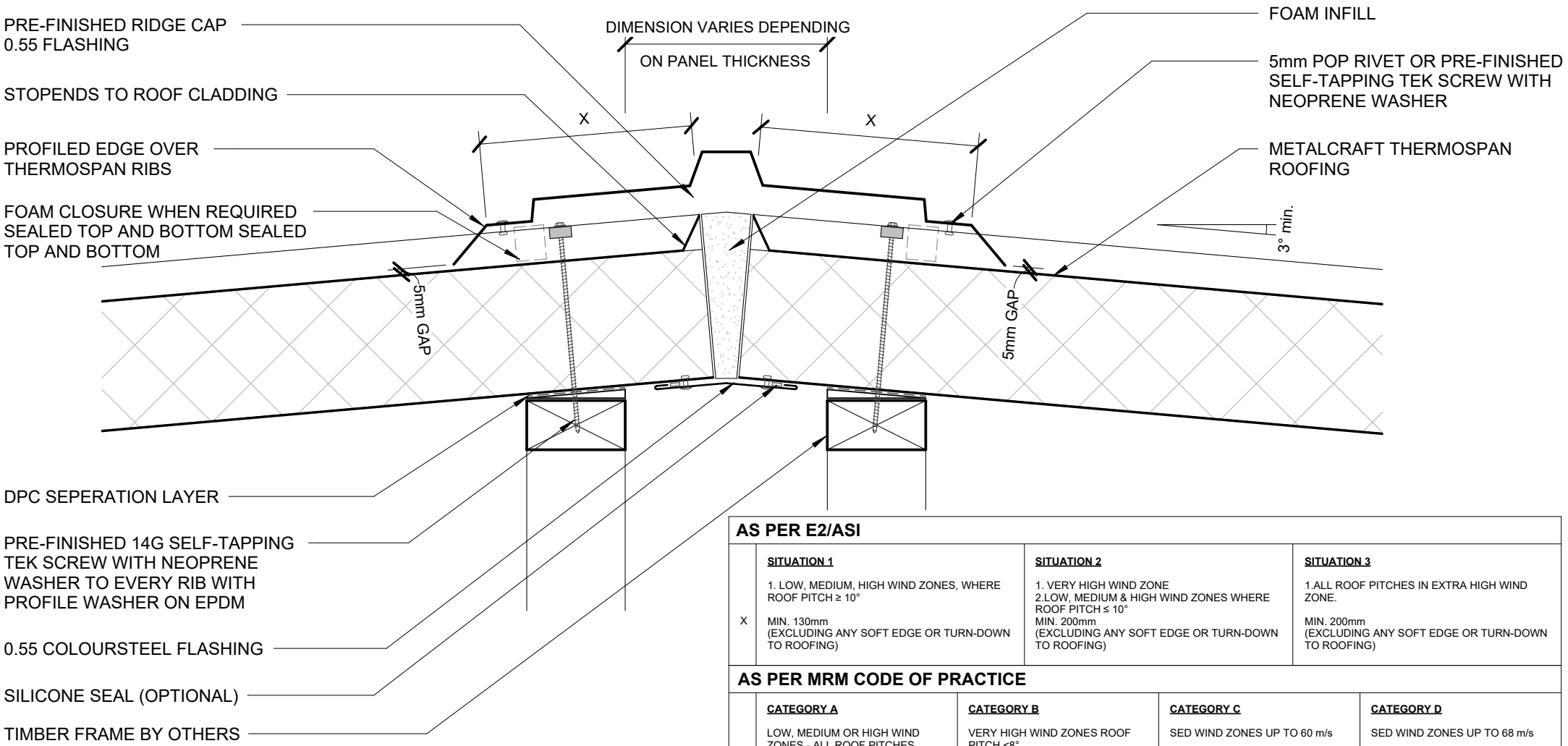
ROOF RIDGE 01

ThermoSpan EPS Rev. 1.2 **RESIDENTIAL ROOFING**

Reference RREPS Date 19.12.2024 Scale 1 : 5 Sheet **01 / 32**



AS PER E2/ASI

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	1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH ≥ 10°	1. VERY HIGH WIND ZONE 2.LOW, MEDIUM & HIGH WIND ZONES WHERE ROOF PITCH ≤ 10°	1.ALL ROOF PITCHES IN EXTRA HIGH WIND ZONE.
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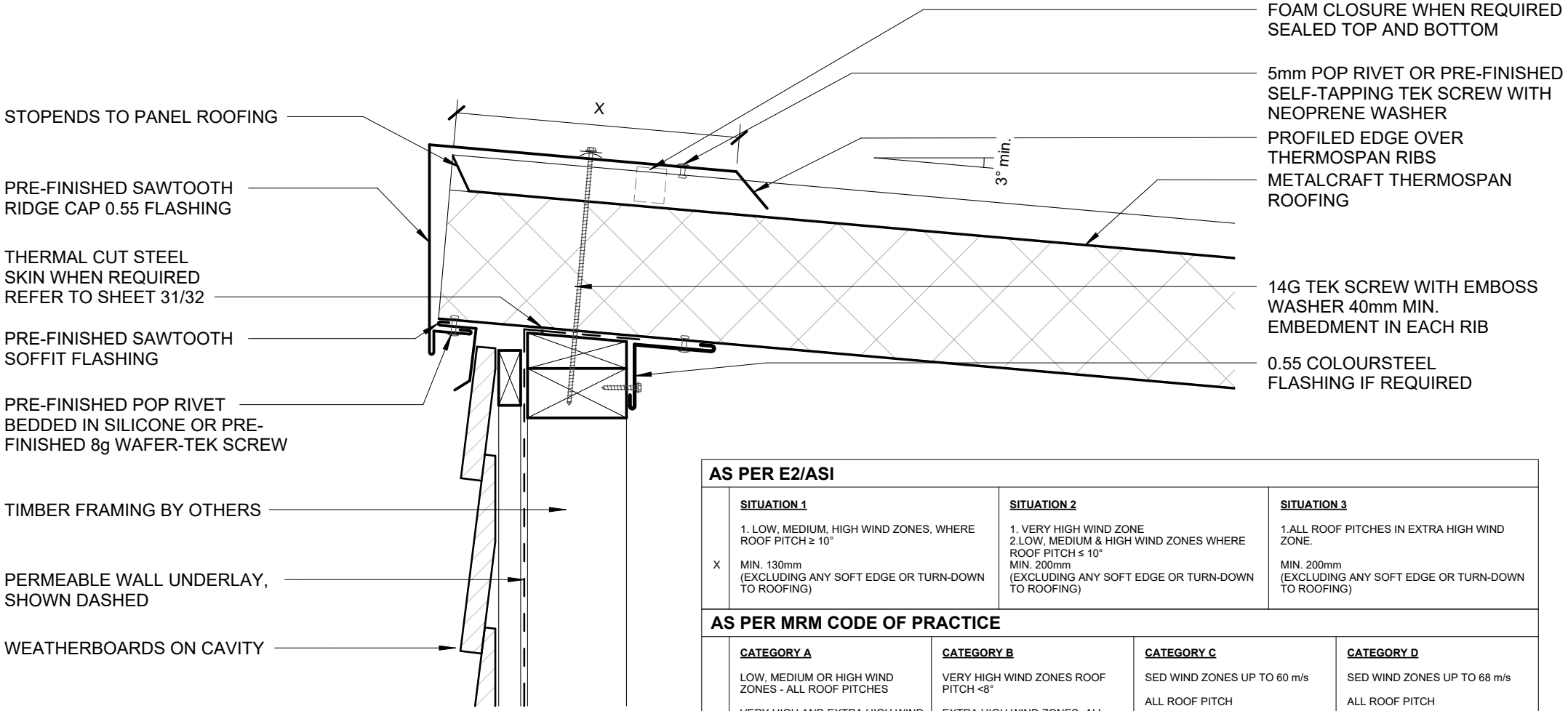
ROOF RIDGE 02

ThermoSpan EPS Rev. 2.1 **RESIDENTIAL ROOFING**

Reference RREPS Date 19.12.2024 Scale 1 : 5 Sheet **02 / 32**



AS PER E2/ASI

	SITUATION 1	SITUATION 2	SITUATION 3
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AS PER MRM CODE OF PRACTICE

	CATEGORY A	CATEGORY B	CATEGORY C	CATEGORY D
	LOW, MEDIUM OR HIGH WIND ZONES - ALL ROOF PITCHES	VERY HIGH WIND ZONES ROOF PITCH <8°	SED WIND ZONES UP TO 60 m/s	SED WIND ZONES UP TO 68 m/s
	VERY HIGH AND EXTRA HIGH WIND ZONES WHERE THE PITCH IS EQUAL TO OR GREATER THAN 10°	EXTRA HIGH WIND ZONES -ALL ROOF PITCHES	ALL ROOF PITCH	ALL ROOF PITCH
X	MIN. 130mm	MIN. 200mm	MIN. 200mm	MIN. 200mm + BAFFLE (REFER NZ MRM COP)

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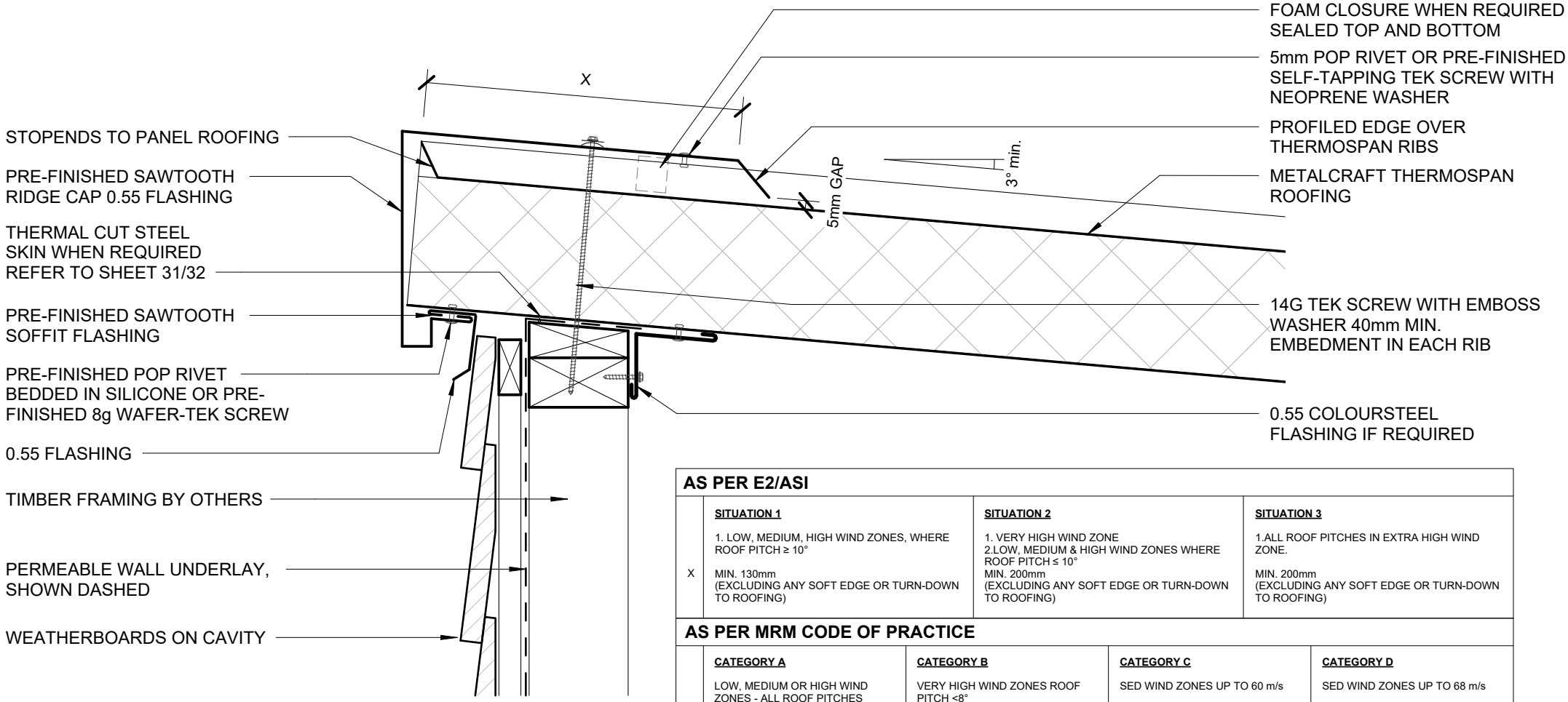
SAWTOOTH RIDGE 01

ThermoSpan EPS Rev. 1.2 RESIDENTIAL ROOFING

Reference RREPS Date 19.12.2024 Scale 1 : 5



AS PER E2/ASI

	SITUATION 1	SITUATION 2	SITUATION 3
	1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH ≥ 10°	1. VERY HIGH WIND ZONE 2.LOW, MEDIUM & HIGH WIND ZONES WHERE ROOF PITCH ≤ 10°	1.ALL ROOF PITCHES IN EXTRA HIGH WIND ZONE.
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AS PER MRM CODE OF PRACTICE

	CATEGORY A	CATEGORY B	CATEGORY C	CATEGORY D
	LOW, MEDIUM OR HIGH WIND ZONES - ALL ROOF PITCHES VERY HIGH AND EXTRA HIGH WIND ZONES WHERE THE PITCH IS EQUAL TO OR GREATER THAN 10°	VERY HIGH WIND ZONES ROOF PITCH <8° EXTRA HIGH WIND ZONES -ALL ROOF PITCHES	SED WIND ZONES UP TO 60 m/s ALL ROOF PITCH	SED WIND ZONES UP TO 68 m/s ALL ROOF PITCH
X	MIN. 130mm	MIN. 200mm	MIN. 200mm	MIN. 200mm + BAFFLE (REFER NZ MRM COP)

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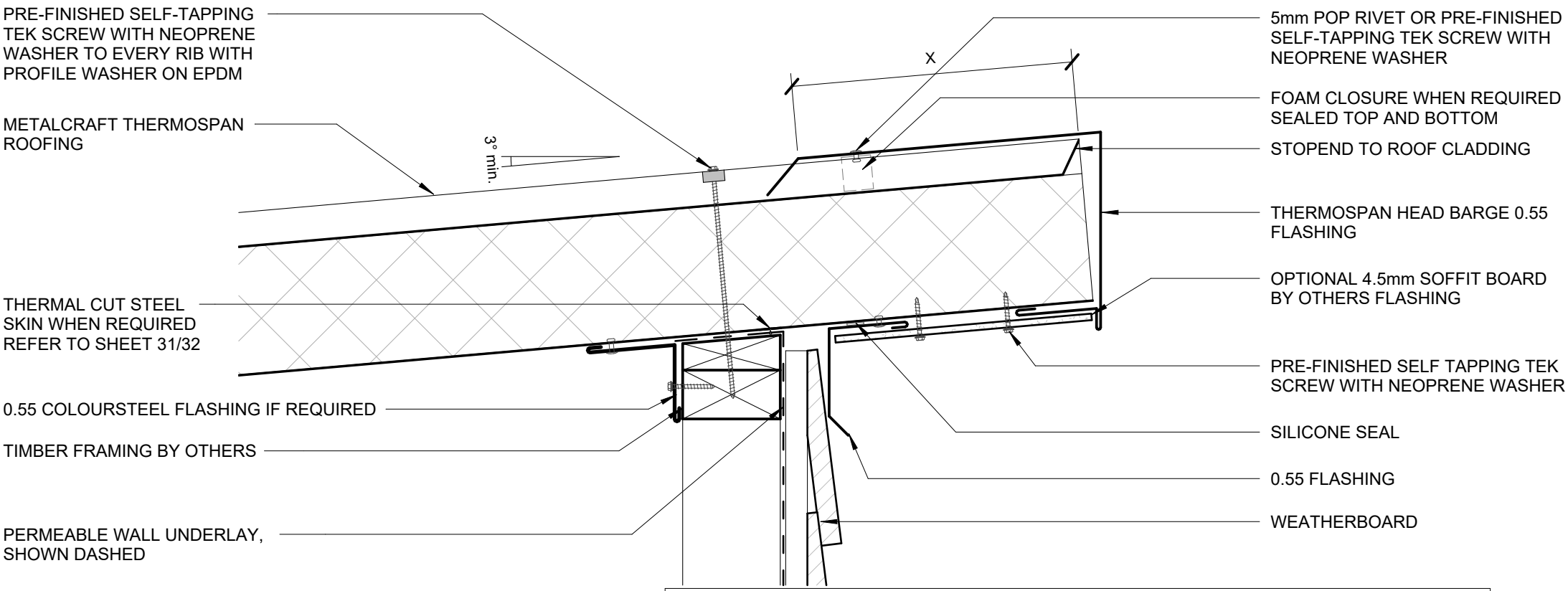
SAWTOOTH RIDGE 02

ThermoSpan EPS Rev. 1.1 **RESIDENTIAL ROOFING**

Reference RREPS Date 19.12.2024 Scale 1 : 5 Sheet **04 / 32**



AS PER E2/ASI

	SITUATION 1	SITUATION 2	SITUATION 3
	1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH ≥ 10°	1. VERY HIGH WIND ZONE 2.LOW, MEDIUM & HIGH WIND ZONES WHERE ROOF PITCH ≤ 10°	1.ALL ROOF PITCHES IN EXTRA HIGH WIND ZONE.
X	MIN. 130mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)	MIN. 200mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)	MIN. 200mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)

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	CATEGORY A	CATEGORY B	CATEGORY C	CATEGORY D
	LOW, MEDIUM OR HIGH WIND ZONES - ALL ROOF PITCHES VERY HIGH AND EXTRA HIGH WIND ZONES WHERE THE PITCH IS EQUAL TO OR GREATER THAN 10°	VERY HIGH WIND ZONES ROOF PITCH <8° EXTRA HIGH WIND ZONES -ALL ROOF PITCHES	SED WIND ZONES UP TO 60 m/s ALL ROOF PITCH	SED WIND ZONES UP TO 68 m/s ALL ROOF PITCH
X	MIN. 130mm	MIN. 200mm	MIN. 200mm	MIN. 200mm + BAFFLE (REFER NZ MRM COP)

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SAW TOOTH SOFFIT DETAIL 01

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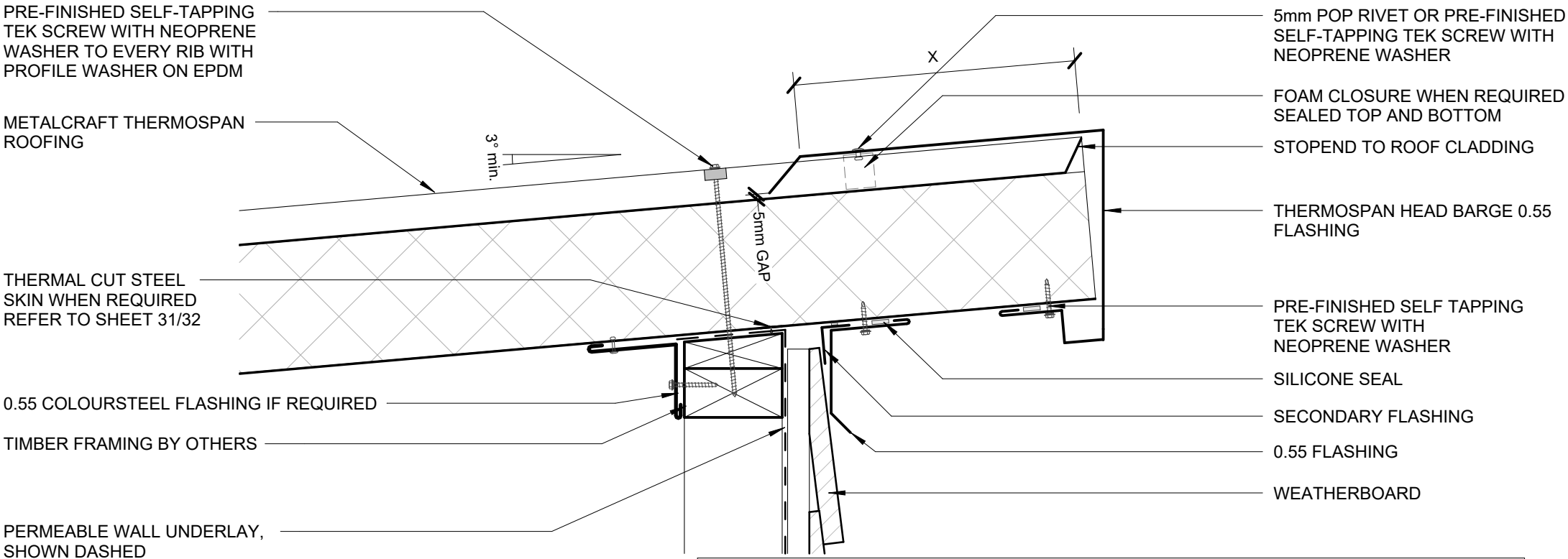
Reference RREPS | Date 19.12.2024 | Scale 1 : 5 | Sheet 05 / 32



AS PER E2/ASI

	SITUATION 1	SITUATION 2	SITUATION 3
	1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH ≥ 10°	1. VERY HIGH WIND ZONE 2.LOW, MEDIUM & HIGH WIND ZONES WHERE ROOF PITCH ≤ 10°	1.ALL ROOF PITCHES IN EXTRA HIGH WIND ZONE.
X	MIN. 130mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)	MIN. 200mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)	MIN. 200mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)

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	CATEGORY A	CATEGORY B	CATEGORY C	CATEGORY D
	LOW, MEDIUM OR HIGH WIND ZONES - ALL ROOF PITCHES VERY HIGH AND EXTRA HIGH WIND ZONES WHERE THE PITCH IS EQUAL TO OR GREATER THAN 10°	VERY HIGH WIND ZONES ROOF PITCH <8° EXTRA HIGH WIND ZONES -ALL ROOF PITCHES	SED WIND ZONES UP TO 60 m/s ALL ROOF PITCH	SED WIND ZONES UP TO 68 m/s ALL ROOF PITCH
X	MIN. 130mm	MIN. 200mm	MIN. 200mm	MIN. 200mm + BAFFLE (REFER NZ MRM COP)

SAW TOOTH SOFFIT DETAIL 02

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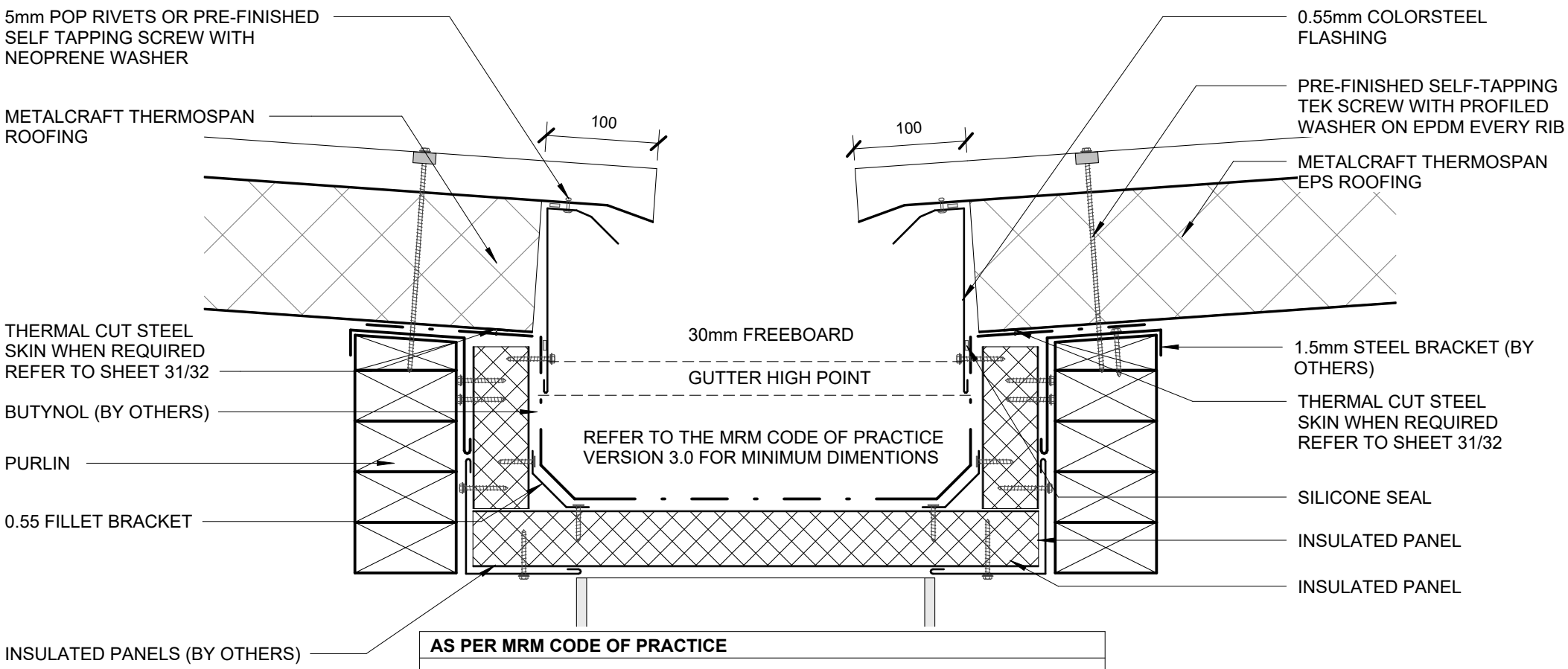
* ROOF PITCH FOR VALLEYS AS PER E2.



AS PER MRM CODE OF PRACTICE

1. NZMRM ALLOWS FOR CUSTOM INTERNAL GUTTER DESIGN.

2. THE ARCHITECT OR DESIGNER MUST SATISFY THEMSELVES WITH THE CORRECT INTERNAL GUTTER DESIGN FOR THEIR PROJECTS AND REFER TO THE NZMRM CODE OF PRACTICE FOR THE INTERNAL GUTTER CAPACITY CALCULATION TOOL AND ALTERNATIVE SOLUTIONS FOR PITCHES DOWN TO THAT OF THE ALLOWABLE PITCH OF THE SELECTED ROOFING PROFILE.

3. INTERNAL GUTTERS MUST INCORPORATE ALLOWANCE FOR FREEBOARD OF 30mm

4. REFER NZMRM CODE OF PRACTICE FOR MORE INFORMATION ON INTERNAL GUTTER DESIGNS.

AS PER E2/AS1

1. THE ARCHITECT OR DESIGNER CAN CHOOSE TO DESIGN IN ACCORDANCE WITH E2/AS1.

ROOF PITCH FOR VALLEYS AS PER MRM CODE OF PRACTICE VERSION 3.0

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ROOF VALLEY 01

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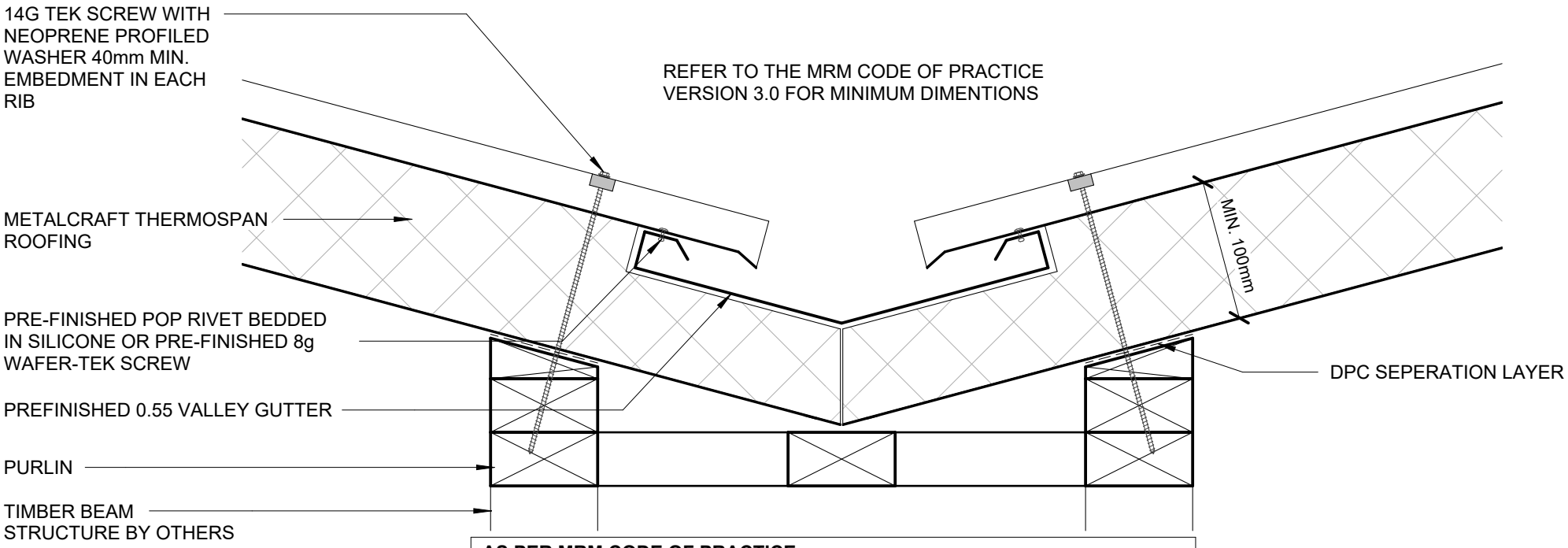
Reference RREPS | Date 19.12.2024 | Scale As indicated | Sheet 07 / 32



AS PER MRM CODE OF PRACTICE

1. NZMRM ALLOWS FOR CUSTOM GUTTER DESIGN.

2. THE ARCHITECT OR DESIGNER MUST SATISFY THEMSELVES WITH THE CORRECT VALLEY DESIGN FOR THEIR PROJECTS AND REFER TO THE NZMRM CODE OF PRACTICE FOR THE VALLEY CAPACITY CALCULATION TOOL AND ALTERNATIVE SOLUTIONS FOR PITCHES DOWN TO THAT OF THE ALLOWABLE PITCH OF THE SELECTED ROOFING PROFILE.

3. INTERNAL ANGLES OF VALLEYS AS PER NZMRM CODE OF PRACTICE.

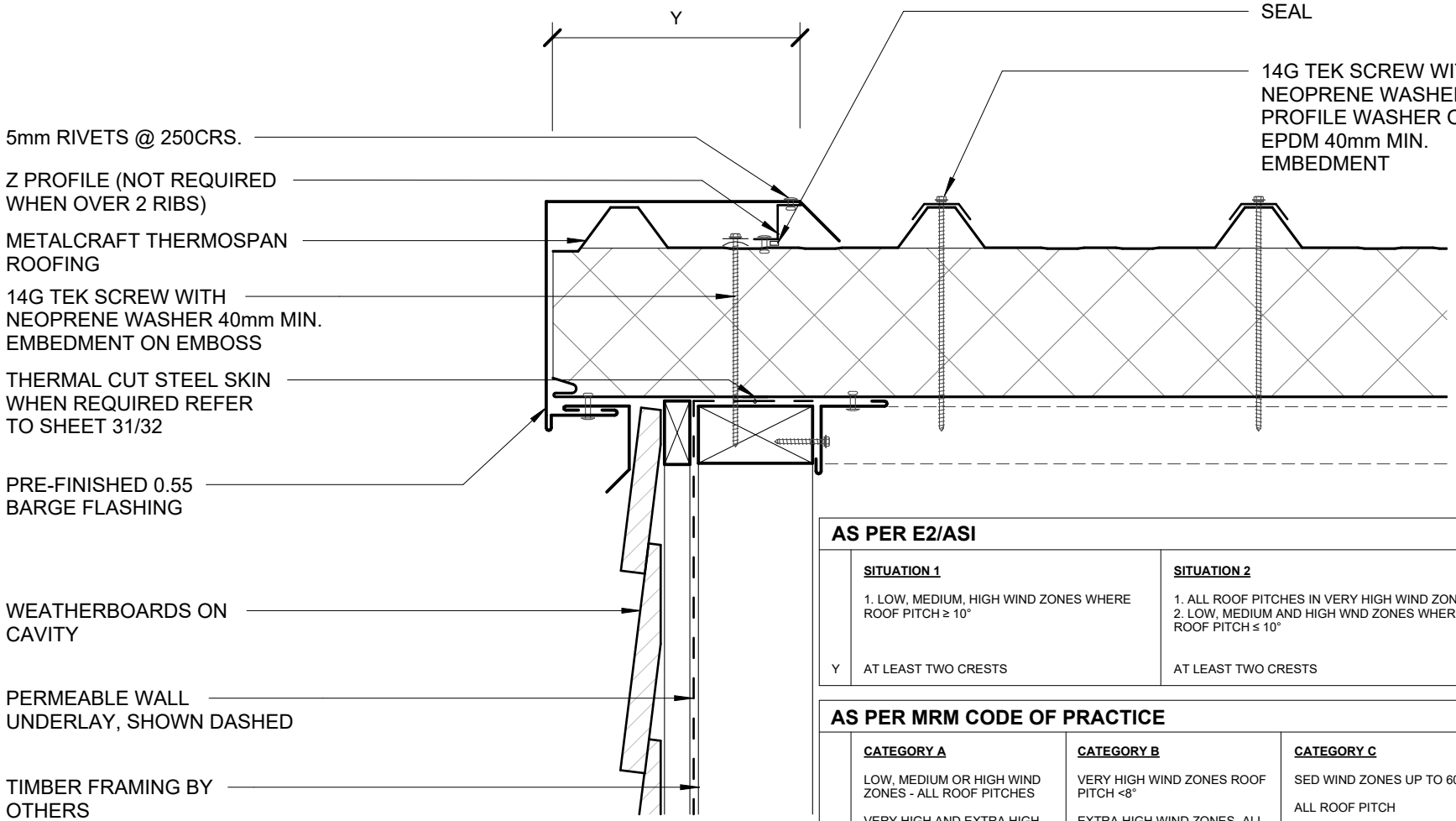
4. VALLEYS MUST INCORPORATE ALLOWANCE FOR FREEBOARD AND FOR PITCHES UP TO 8 DEGREES A MINIMUM FREEBOARD REQUIREMENT OF 20mm IS REQUIRED. FOR PITCHES GREATER THAN 8 DEGREES A FREEBOARD OF 15mm IS REQUIRED.

5. REFER NZMRM CODE OF PRACTICE FOR MORE INFORMATION ON VALLEY DESIGNS.

AS PER E2/AS1

1. THE ARCHITECT OR DESIGNER CAN CHOOSE TO DESIGN IN ACCORDANCE WITH E2/AS1.

ROOF PITCH FOR VALLEYS AS PER MRM CODE OF PRACTICE VERSION 3.0



AS PER E2/ASI

	SITUATION 1	SITUATION 2	SITUATION 3
	1. LOW, MEDIUM, HIGH WIND ZONES WHERE ROOF PITCH ≥ 10°	1. ALL ROOF PITCHES IN VERY HIGH WIND ZONE 2. LOW, MEDIUM AND HIGH WND ZONES WHERE ROOF PITCH ≤ 10°	1.ALL ROOF PITCHES IN EXTRA HIGH WIND ZONE.
Y	AT LEAST TWO CRESTS	AT LEAST TWO CRESTS	AT LEAST TWO CRESTS

AS PER MRM CODE OF PRACTICE

	CATEGORY A	CATEGORY B	CATEGORY C	CATEGORY D
	LOW, MEDIUM OR HIGH WIND ZONES - ALL ROOF PITCHES	VERY HIGH WIND ZONES ROOF PITCH <8°	SED WIND ZONES UP TO 60 m/s	SED WIND ZONES UP TO 68 m/s
	VERY HIGH AND EXTRA HIGH WIND ZONES WHERE THE PITCH IS EQUAL TO OR GREATER THAN 10°	EXTRA HIGH WIND ZONES -ALL ROOF PITCHES	ALL ROOF PITCH	ALL ROOF PITCH
Y	TRAPEZOIDAL & TRAY: ONE RIB	TRAPEZOIDAL & TRAY: TWO RIBS (20mm - 34mm)* ONE RIB (>34mm)*	TRAPEZOIDAL & TRAY: TWO RIBS (20mm - 34mm)* ONE RIB (>34mm)*	TRAPEZOIDAL & TRAY: TWO RIBS (20mm - 34mm)* + UNDERSOAKER ONE RIB (>34mm)* + UNDERSOAKER
	CORRUGATE: 2 CORRUGATIONS	CORRUGATE: 2 CORRUGATIONS	CORRUGATE: 3 CORRUGATIONS	CORRUGATE: 2 CORRUGATIONS + UNDERSOAKER

* RIB HEIGHT OF PROFILE OR TURNUP

BARGE 01

ThermoSpan EPS Rev. 1.2 **RESIDENTIAL ROOFING**

Reference RREPS Date 19.12.2024 Scale 1 : 5 Sheet **09 / 32**

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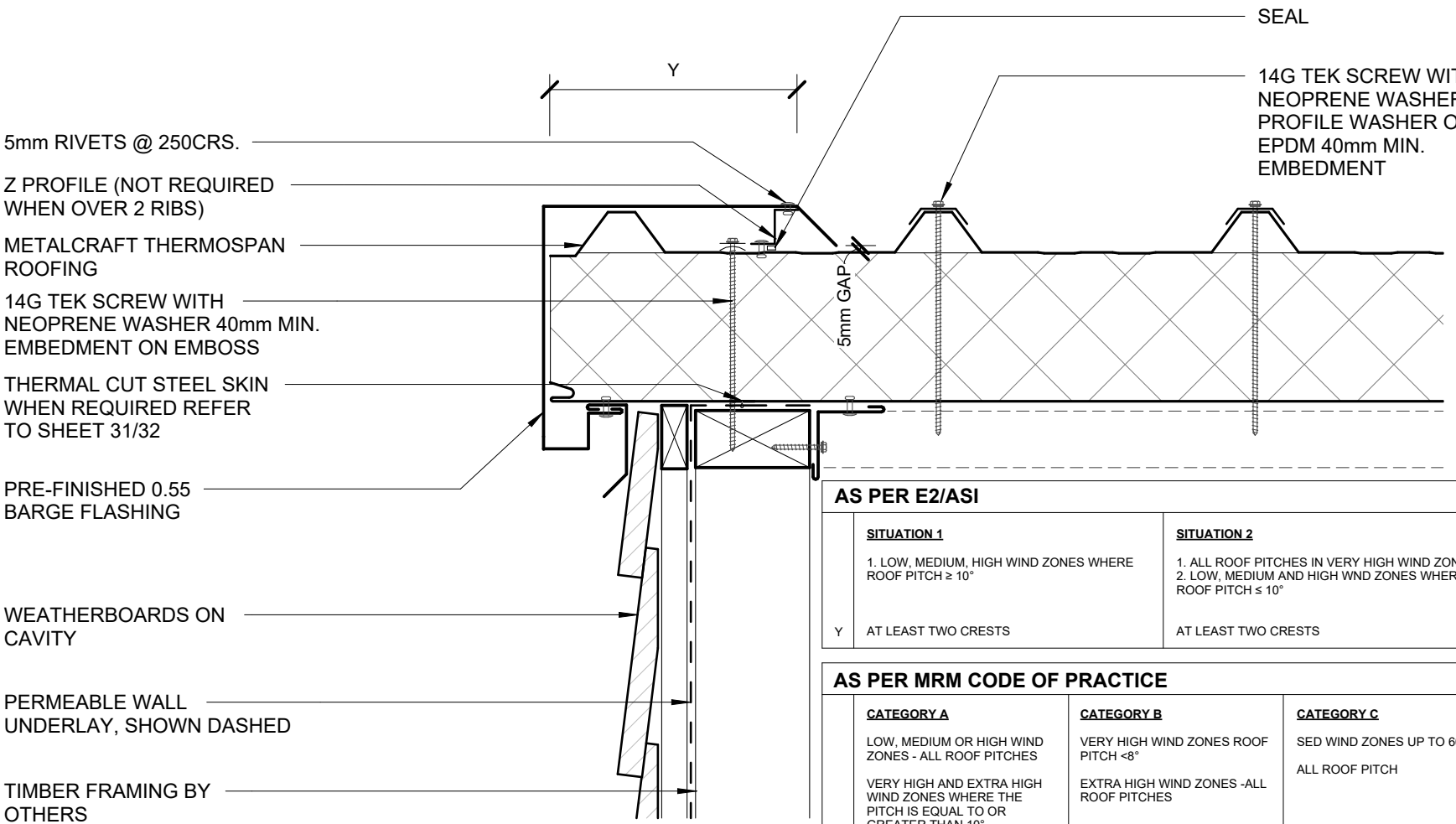

AS PER E2/ASI

	SITUATION 1	SITUATION 2	SITUATION 3
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AS PER MRM CODE OF PRACTICE

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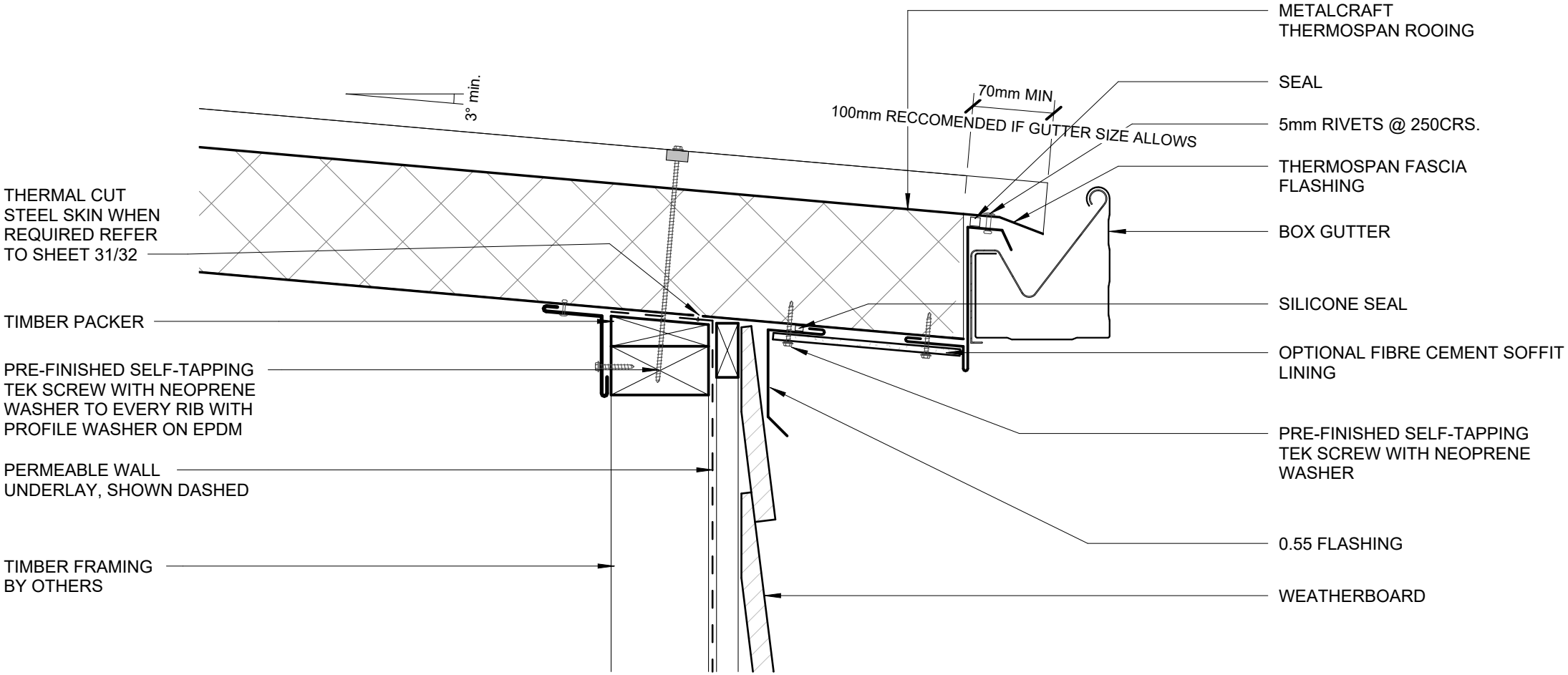
* RIB HEIGHT OF PROFILE OR TURNUP



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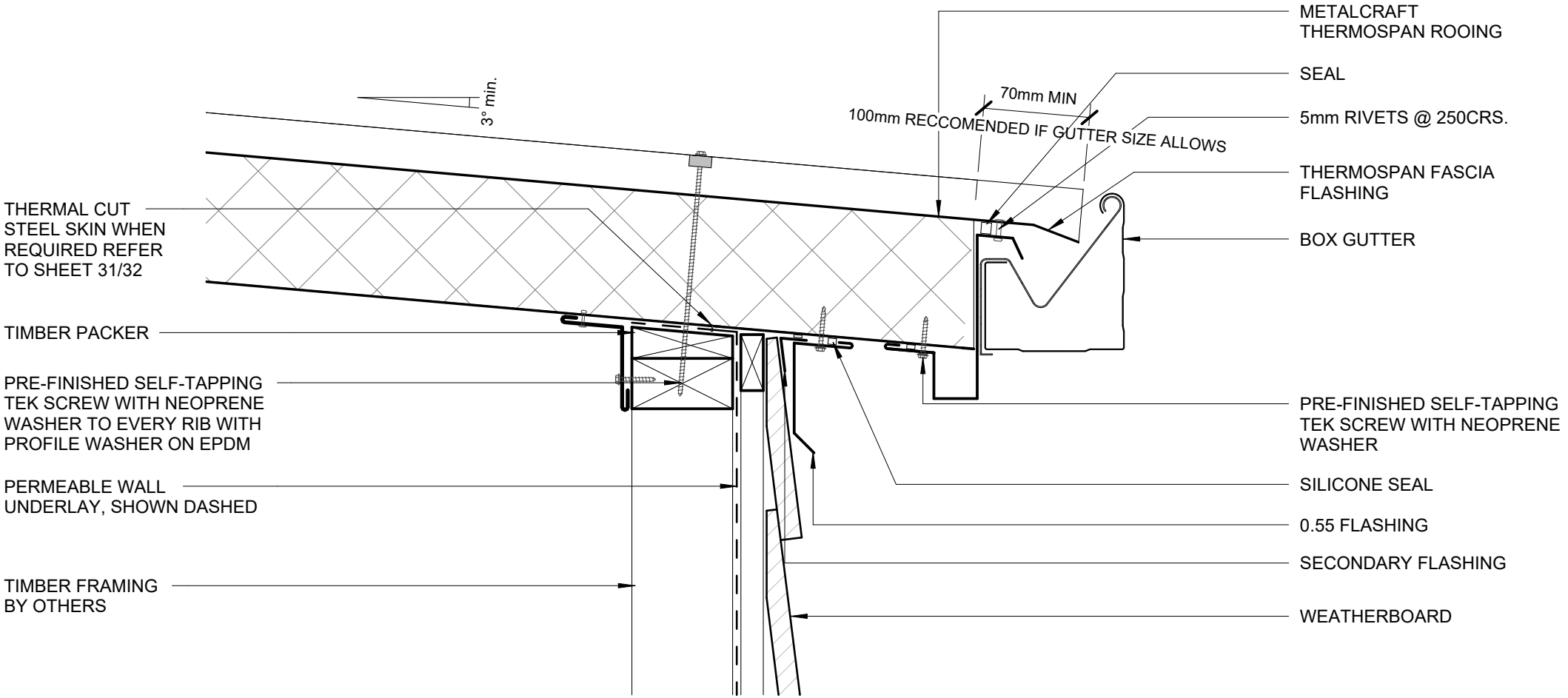
GUTTER DETAIL 01

ThermoSpan EPS | Rev. 1.1 | RESIDENTIAL ROOFING

Reference RREPS | Date 19.12.2024 | Scale 1 : 5 | Sheet 11 / 32



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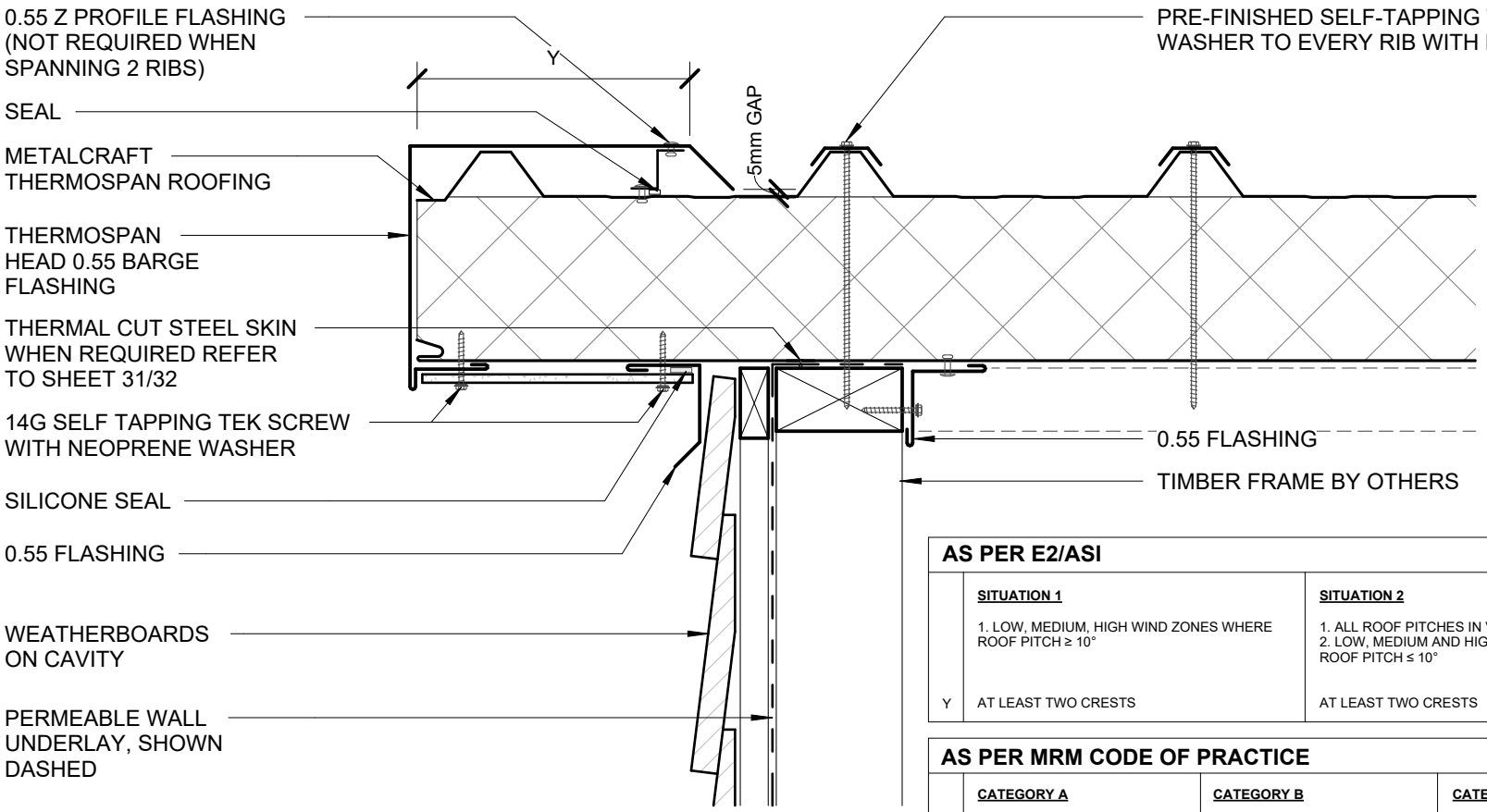
GUTTER DETAIL 02

ThermoSpan EPS | Rev. 1.1 | RESIDENTIAL ROOFING

Reference RREPS | Date 19.12.2024 | Scale 1 : 5 | Sheet 12 / 32



AS PER E2/ASI

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	CORRUGATE: 2 CORRUGATIONS	CORRUGATE: 2 CORRUGATIONS	CORRUGATE: 3 CORRUGATIONS	CORRUGATE: 2 CORRUGATIONS + UNDERSOAKER

* RIB HEIGHT OF PROFILE OR TURNUP

CANTILEVER BARGE CAPPING DETAIL 01

ThermoSpan EPS Rev. 1.1 RESIDENTIAL ROOFING

Reference RREPS Date 19.12.2024 Scale 1 : 5 Sheet 13 / 32

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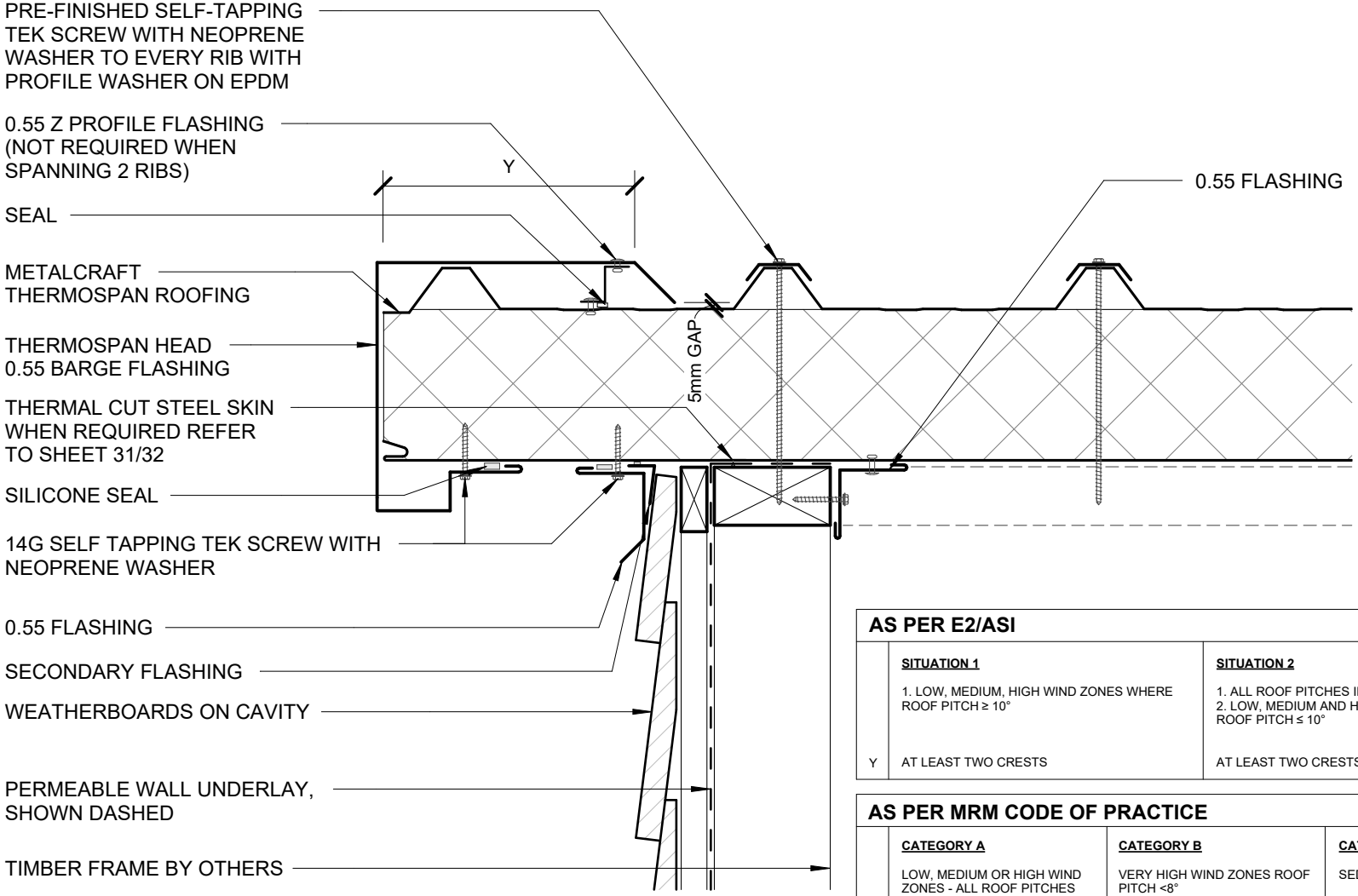

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	SITUATION 1	SITUATION 2	SITUATION 3
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	LOW, MEDIUM OR HIGH WIND ZONES - ALL ROOF PITCHES	VERY HIGH WIND ZONES ROOF PITCH <8°	SED WIND ZONES UP TO 60 m/s	SED WIND ZONES UP TO 68 m/s
	VERY HIGH AND EXTRA HIGH WIND ZONES WHERE THE PITCH IS EQUAL TO OR GREATER THAN 10°	EXTRA HIGH WIND ZONES -ALL ROOF PITCHES	ALL ROOF PITCH	ALL ROOF PITCH
Y	TRAPEZOIDAL & TRAY: ONE RIB	TRAPEZOIDAL & TRAY: TWO RIBS (20mm - 34mm)* ONE RIB (>34mm)*	TRAPEZOIDAL & TRAY: TWO RIBS (20mm - 34mm)* ONE RIB (>34mm)*	TRAPEZOIDAL & TRAY: TWO RIBS (20mm - 34mm)* + UNDERSOAKER ONE RIB (>34mm)* + UNDERSOAKER
	CORRUGATE: 2 CORRUGATIONS	CORRUGATE: 2 CORRUGATIONS	CORRUGATE: 3 CORRUGATIONS	CORRUGATE: 2 CORRUGATIONS + UNDERSOAKER

* RIB HEIGHT OF PROFILE OR TURNUP

CANTILEVER BARGE CAPPING DETAIL 02

ThermoSpan EPS Rev. 1.1 **RESIDENTIAL ROOFING**

Reference RREPS Date 19.12.2024 Scale 1 : 5 Sheet **14 / 32**

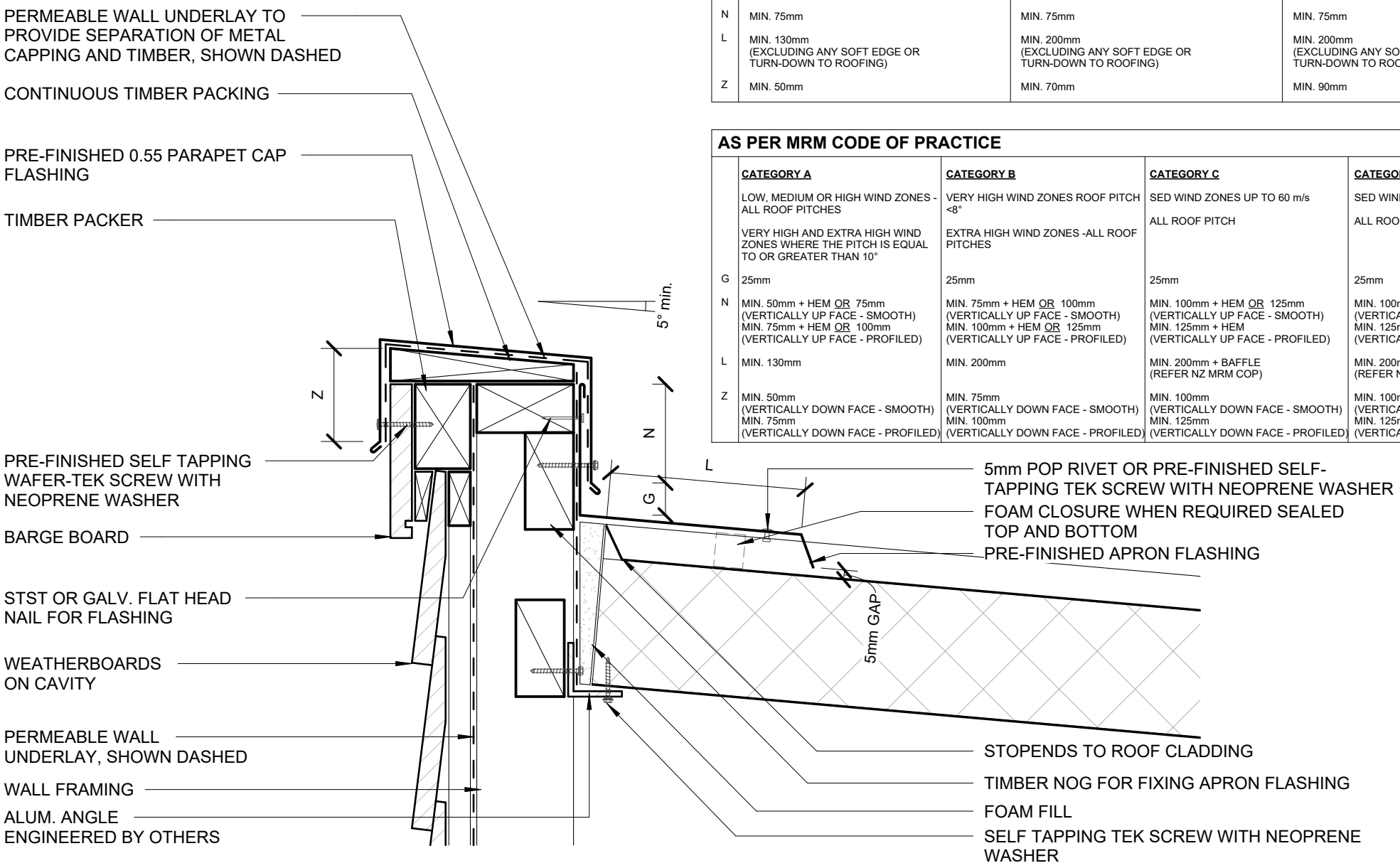
Metalcraft
Insulated Panels
www.metalcraftinsulatedpanels.co.nz

AS PER E2/ASI

	SITUATION 1	SITUATION 2	SITUATION 3
	1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH ≥ 10°	1. VERY HIGH WIND ZONE 2. LOW, MEDIUM AND HIGH WIND ZONES WHERE ROOF PITCHES ≤ 10°	1. ALL ROOF PITCHES IN EXTRA HIGH WIND ZONE
G	MIN. 35mm	MIN. 35mm	MIN. 35mm
N	MIN. 75mm	MIN. 75mm	MIN. 75mm
L	MIN. 130mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)	MIN. 200mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)	MIN. 200mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)
Z	MIN. 50mm	MIN. 70mm	MIN. 90mm

AS PER MRM CODE OF PRACTICE

	CATEGORY A	CATEGORY B	CATEGORY C	CATEGORY D
	LOW, MEDIUM OR HIGH WIND ZONES - ALL ROOF PITCHES VERY HIGH AND EXTRA HIGH WIND ZONES WHERE THE PITCH IS EQUAL TO OR GREATER THAN 10°	VERY HIGH WIND ZONES ROOF PITCH <8° EXTRA HIGH WIND ZONES -ALL ROOF PITCHES	SED WIND ZONES UP TO 60 m/s ALL ROOF PITCH	SED WIND ZONES UP TO 68 m/s ALL ROOF PITCH
G	25mm	25mm	25mm	25mm
N	MIN. 50mm + HEM OR 75mm (VERTICALLY UP FACE - SMOOTH) MIN. 75mm + HEM OR 100mm (VERTICALLY UP FACE - PROFILED)	MIN. 75mm + HEM OR 100mm (VERTICALLY UP FACE - SMOOTH) MIN. 100mm + HEM OR 125mm (VERTICALLY UP FACE - PROFILED)	MIN. 100mm + HEM OR 125mm (VERTICALLY UP FACE - SMOOTH) MIN. 125mm + HEM (VERTICALLY UP FACE - PROFILED)	MIN. 100mm + HEM OR 125mm (VERTICALLY UP FACE - SMOOTH) MIN. 125mm + HEM (VERTICALLY UP FACE - PROFILED)
L	MIN. 130mm	MIN. 200mm	MIN. 200mm + BAFFLE (REFER NZ MRM COP)	MIN. 200mm + BAFFLE (REFER NZ MRM COP)
Z	MIN. 50mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 75mm (VERTICALLY DOWN FACE - PROFILED)	MIN. 75mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 100mm (VERTICALLY DOWN FACE - PROFILED)	MIN. 100mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 125mm (VERTICALLY DOWN FACE - PROFILED)	MIN. 100mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 125mm (VERTICALLY DOWN FACE - PROFILED)



PARAPET WITH TRANSVERSE APRON

ThermoSpan EPS Rev. 1.1 **RESIDENTIAL ROOFING**

Reference RREPS Date 19.12.2024 Scale 1 : 5 Sheet **15 / 32**

Metalcraft
Insulated Panels
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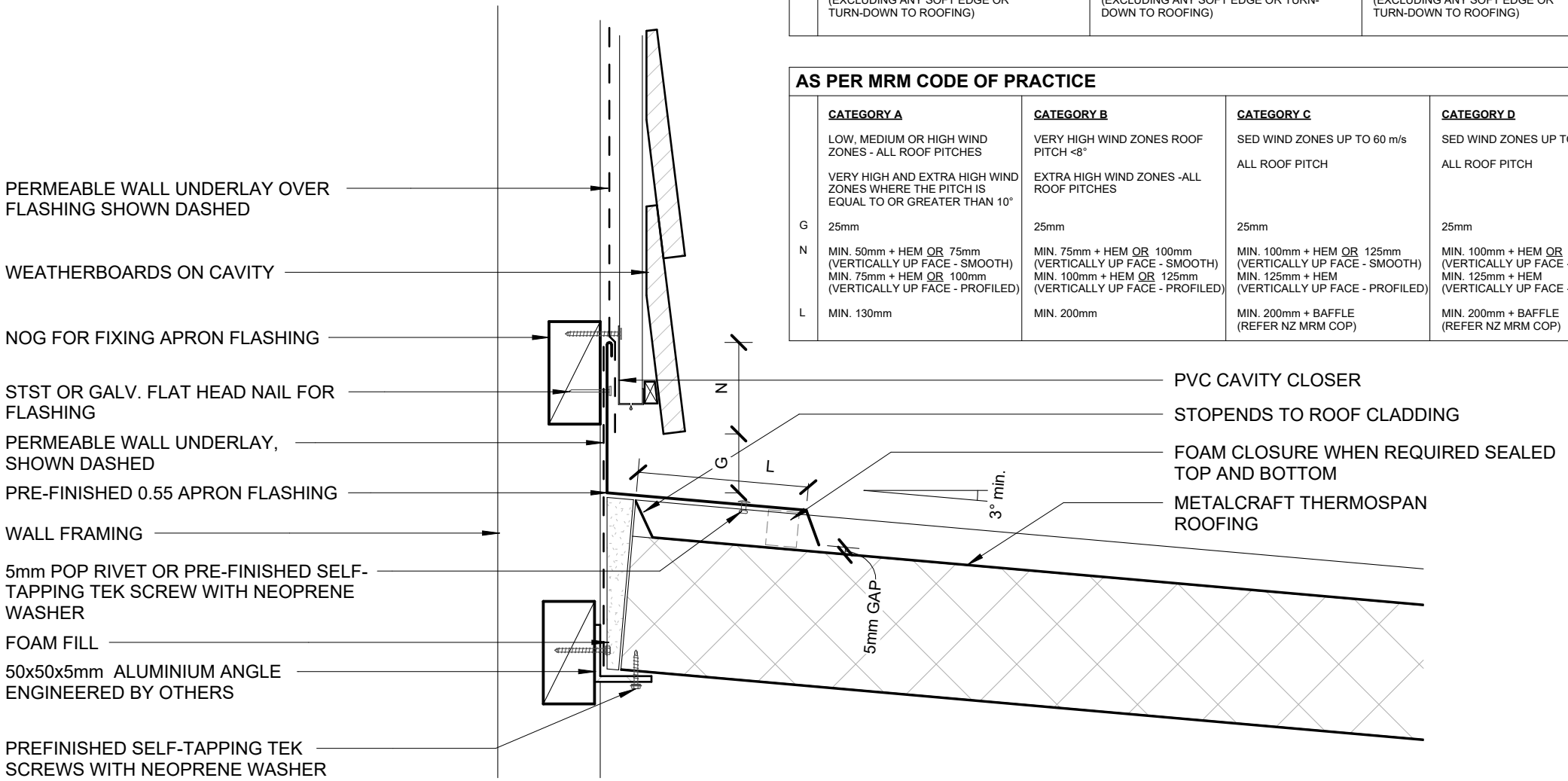
AS PER E2/ASI

	SITUATION 1	SITUATION 2	SITUATION 3
	1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH ≥ 10°	1. ALL ROOF PITCHES IN VERY HIGH WIND ZONES 2. LOW, MEDIUM, AND HIGH WIND ZONES WHERE ROOF PITCH ≤ 10°	1. ALL ROOF PITCHES IN EXTRA HIGH WIND ZONE
G	MIN. 35mm	MIN. 35mm	MIN. 35mm
N	MIN. 75mm	MIN. 75mm	MIN. 75mm
L	MIN. 130mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)	MIN. 200mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)	MIN. 200mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)

AS PER MRM CODE OF PRACTICE

	CATEGORY A	CATEGORY B	CATEGORY C	CATEGORY D
	LOW, MEDIUM OR HIGH WIND ZONES - ALL ROOF PITCHES VERY HIGH AND EXTRA HIGH WIND ZONES WHERE THE PITCH IS EQUAL TO OR GREATER THAN 10°	VERY HIGH WIND ZONES ROOF PITCH <8° EXTRA HIGH WIND ZONES -ALL ROOF PITCHES	SED WIND ZONES UP TO 60 m/s ALL ROOF PITCH	SED WIND ZONES UP TO 68 m/s ALL ROOF PITCH
G	25mm	25mm	25mm	25mm
N	MIN. 50mm + HEM OR 75mm (VERTICALLY UP FACE - SMOOTH) MIN. 75mm + HEM OR 100mm (VERTICALLY UP FACE - PROFILED)	MIN. 75mm + HEM OR 100mm (VERTICALLY UP FACE - SMOOTH) MIN. 100mm + HEM OR 125mm (VERTICALLY UP FACE - PROFILED)	MIN. 100mm + HEM OR 125mm (VERTICALLY UP FACE - SMOOTH) MIN. 125mm + HEM (VERTICALLY UP FACE - PROFILED)	MIN. 100mm + HEM OR 125mm (VERTICALLY UP FACE - SMOOTH) MIN. 125mm + HEM (VERTICALLY UP FACE - PROFILED)
L	MIN. 130mm	MIN. 200mm	MIN. 200mm + BAFFLE (REFER NZ MRM COP)	MIN. 200mm + BAFFLE (REFER NZ MRM COP)



Metalcraft Insulated Panels
www.metalcraftinsulatedpanels.co.nz

DISCLAIMER:
All details are to be used for indicative purposes only and the designer should consult both the MRM code of practice and E2 and all other relevant building codes. Details of the supporting mechanisms are indicative only. These installation details must be read in conjunction with all other product literature available for download from www.metalcraftinsulatedpanels.co.nz

TRANSVERSE APRON

ThermoSpan EPS | Rev. 1.1 | RESIDENTIAL ROOFING

Reference RREPS | Date 19.12.2024 | Scale 1 : 5 | Sheet 16 / 32

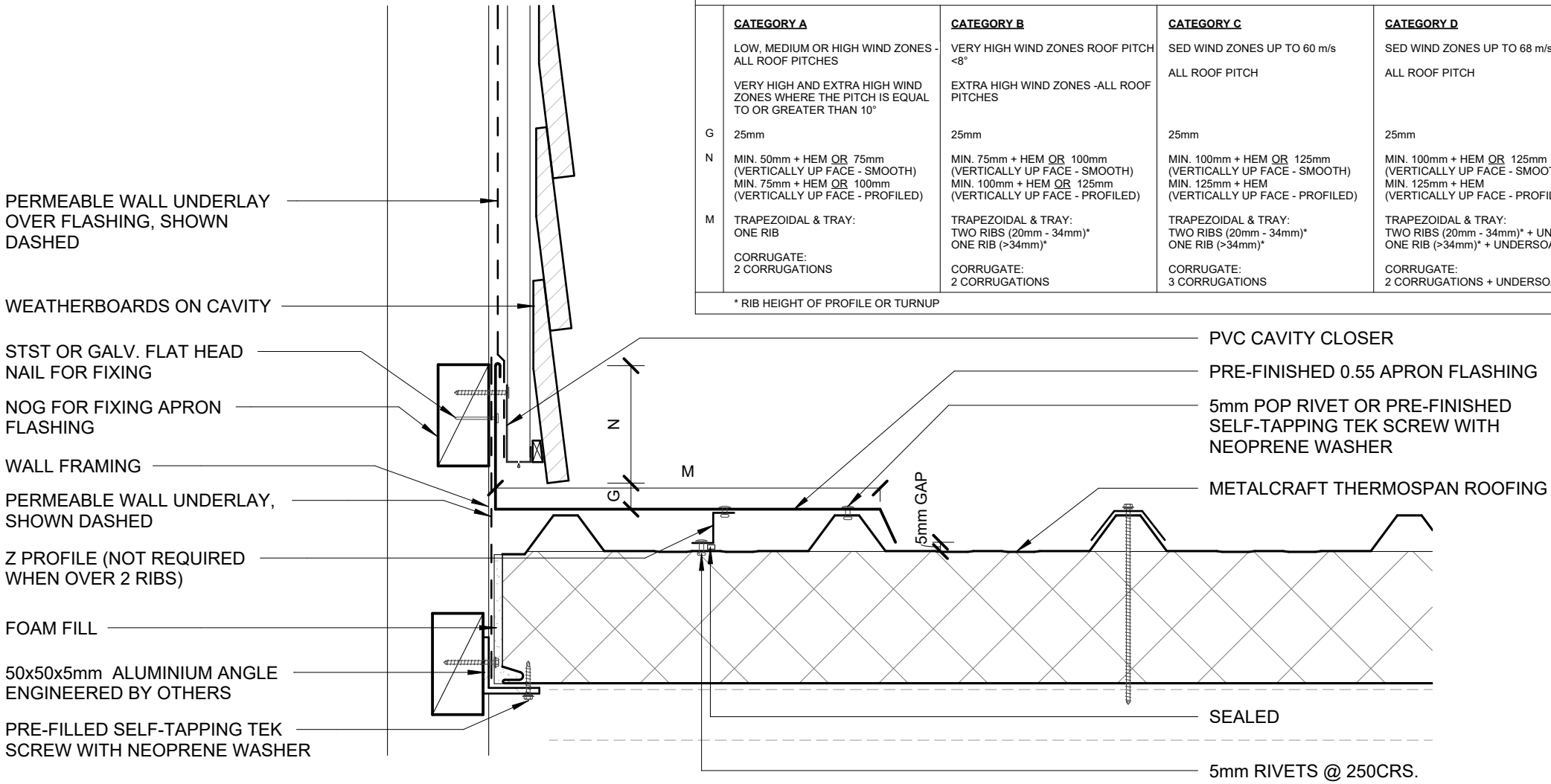
AS PER E2/ASI

	SITUATION 1	SITUATION 2	SITUATION 3
	1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH ≥ 10°	1. ALL ROOF PITCHES INVERY HIGH WIND ZONE 2. LOW, MEDIUM, AND HIGH WIND ZONES WHERE ROOF PITCH ≤ 10°	1. ALL ROOF PITCHES IN EXTRA HIGH WIND ZONE
G	MIN. 35mm	MIN. 35mm	MIN. 35mm
N	MIN. 75mm	MIN. 75mm	MIN. 75mm
M	AT LEAST TWO CRESTS	AT LEAST TWO CRESTS	AT LEAST TWO CRESTS

AS PER MRM CODE OF PRACTICE

	CATEGORY A	CATEGORY B	CATEGORY C	CATEGORY D
	LOW, MEDIUM OR HIGH WIND ZONES - ALL ROOF PITCHES VERY HIGH AND EXTRA HIGH WIND ZONES WHERE THE PITCH IS EQUAL TO OR GREATER THAN 10°	VERY HIGH WIND ZONES ROOF PITCH <8° EXTRA HIGH WIND ZONES -ALL ROOF PITCHES	SED WIND ZONES UP TO 60 m/s ALL ROOF PITCH	SED WIND ZONES UP TO 68 m/s ALL ROOF PITCH
G	25mm	25mm	25mm	25mm
N	MIN. 50mm + HEM OR 75mm (VERTICALLY UP FACE - SMOOTH) MIN. 75mm + HEM OR 100mm (VERTICALLY UP FACE - PROFILED)	MIN. 75mm + HEM OR 100mm (VERTICALLY UP FACE - SMOOTH) MIN. 100mm + HEM OR 125mm (VERTICALLY UP FACE - PROFILED)	MIN. 100mm + HEM OR 125mm (VERTICALLY UP FACE - SMOOTH) MIN. 125mm + HEM (VERTICALLY UP FACE - PROFILED)	MIN. 100mm + HEM OR 125mm (VERTICALLY UP FACE - SMOOTH) MIN. 125mm + HEM (VERTICALLY UP FACE - PROFILED)
M	TRAPEZOIDAL & TRAY: ONE RIB CORRUGATE: 2 CORRUGATIONS	TRAPEZOIDAL & TRAY: TWO RIBS (20mm - 34mm)* ONE RIB (>34mm)* CORRUGATE: 2 CORRUGATIONS	TRAPEZOIDAL & TRAY: TWO RIBS (20mm - 34mm)* ONE RIB (>34mm)* CORRUGATE: 3 CORRUGATIONS	TRAPEZOIDAL & TRAY: TWO RIBS (20mm - 34mm)* + UNDERSOAKER ONE RIB (>34mm)* + UNDERSOAKER CORRUGATE: 2 CORRUGATIONS + UNDERSOAKER

* RIB HEIGHT OF PROFILE OR TURNUP



PARALLEL APRON

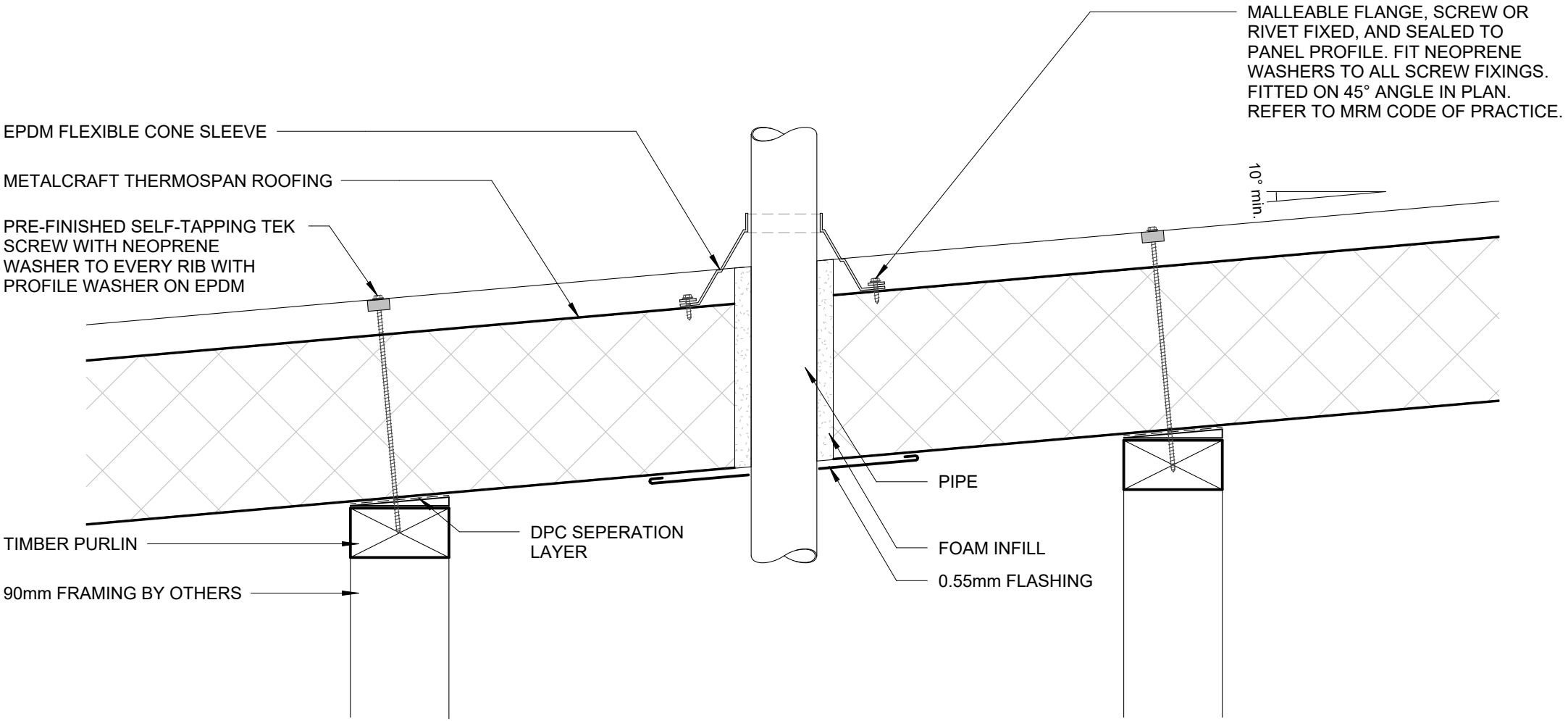
ThermoSpan EPS Rev. 1.1 **RESIDENTIAL ROOFING**

Reference RREPS Date 19.12.2024 Scale 1 : 5 Sheet **17 / 32**

Metalcraft
Insulated Panels
www.metalcraftinsulatedpanels.co.nz

* MIN. 10° FOR PIPE PENETRATION. DIRECT FIX BOOT FLASHING IS APPLICABLE FOR WHEN LESS THAN 50% BLOCKAGE OCCURS. WHEN EXCEEDING 50% BLOCKAGE, REFER TO BACK TRAY BOOT FLASHING

REFER TO MRM CODE OF PRACTICE



PIPE PENETRATION DIRECT FIXED BOOT FLASHING

ThermoSpan EPS Rev. 1.1 **RESIDENTIAL ROOFING**

Reference RREPS Date 19.12.2024 Scale 1 : 5 Sheet **18 / 32**

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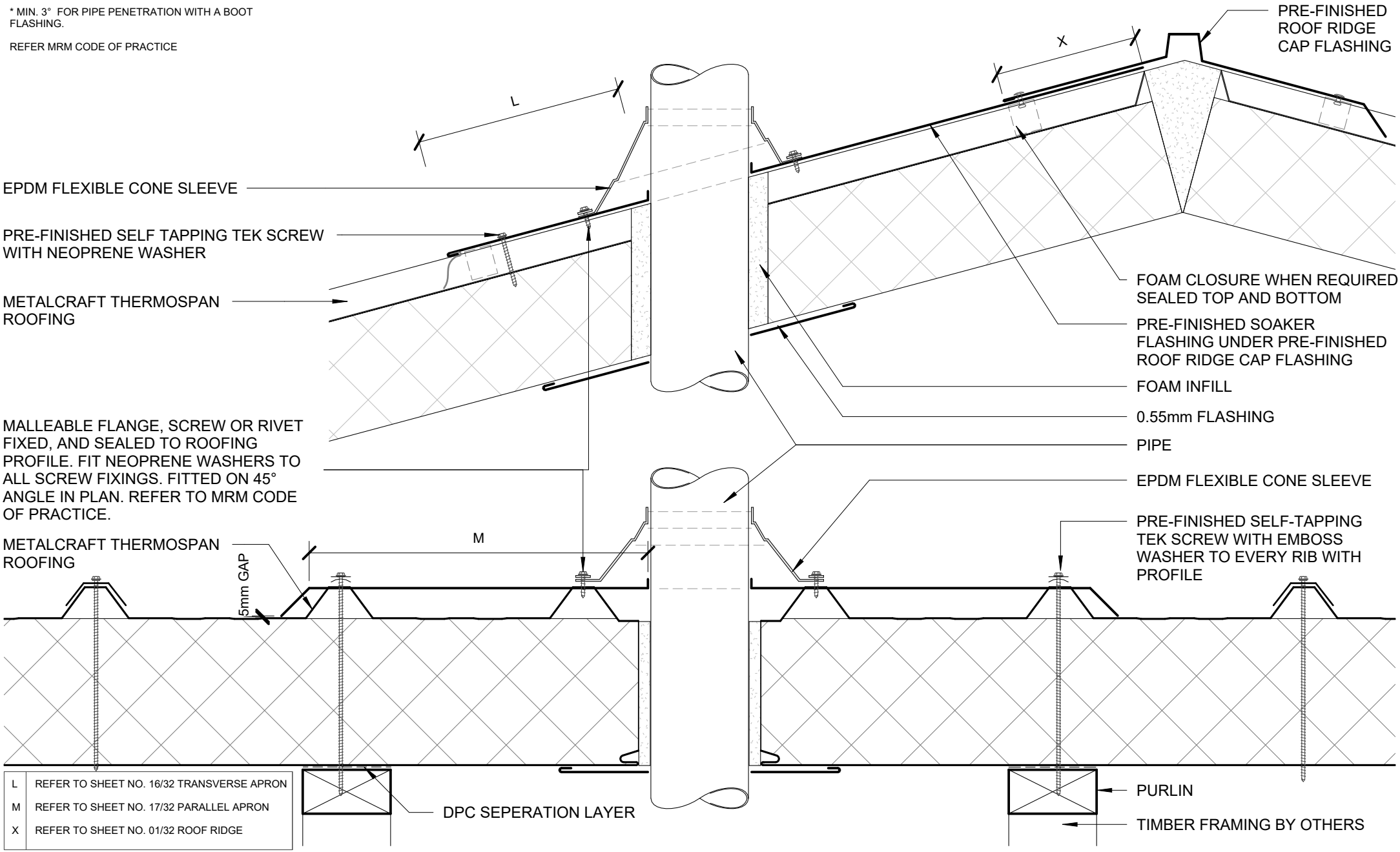
* MIN. 3° FOR PIPE PENETRATION WITH A BOOT FLASHING.

REFER MRM CODE OF PRACTICE



L	REFER TO SHEET NO. 16/32 TRANSVERSE APRON
M	REFER TO SHEET NO. 17/32 PARALLEL APRON
X	REFER TO SHEET NO. 01/32 ROOF RIDGE

PIPE PENETRATION BACK TRAY BOOT FLASHING

ThermoSpan EPS Rev. 1.1 **RESIDENTIAL ROOFING**

Reference RREPS Date 19.12.2024 Scale 1 : 5 Sheet **19 / 32**

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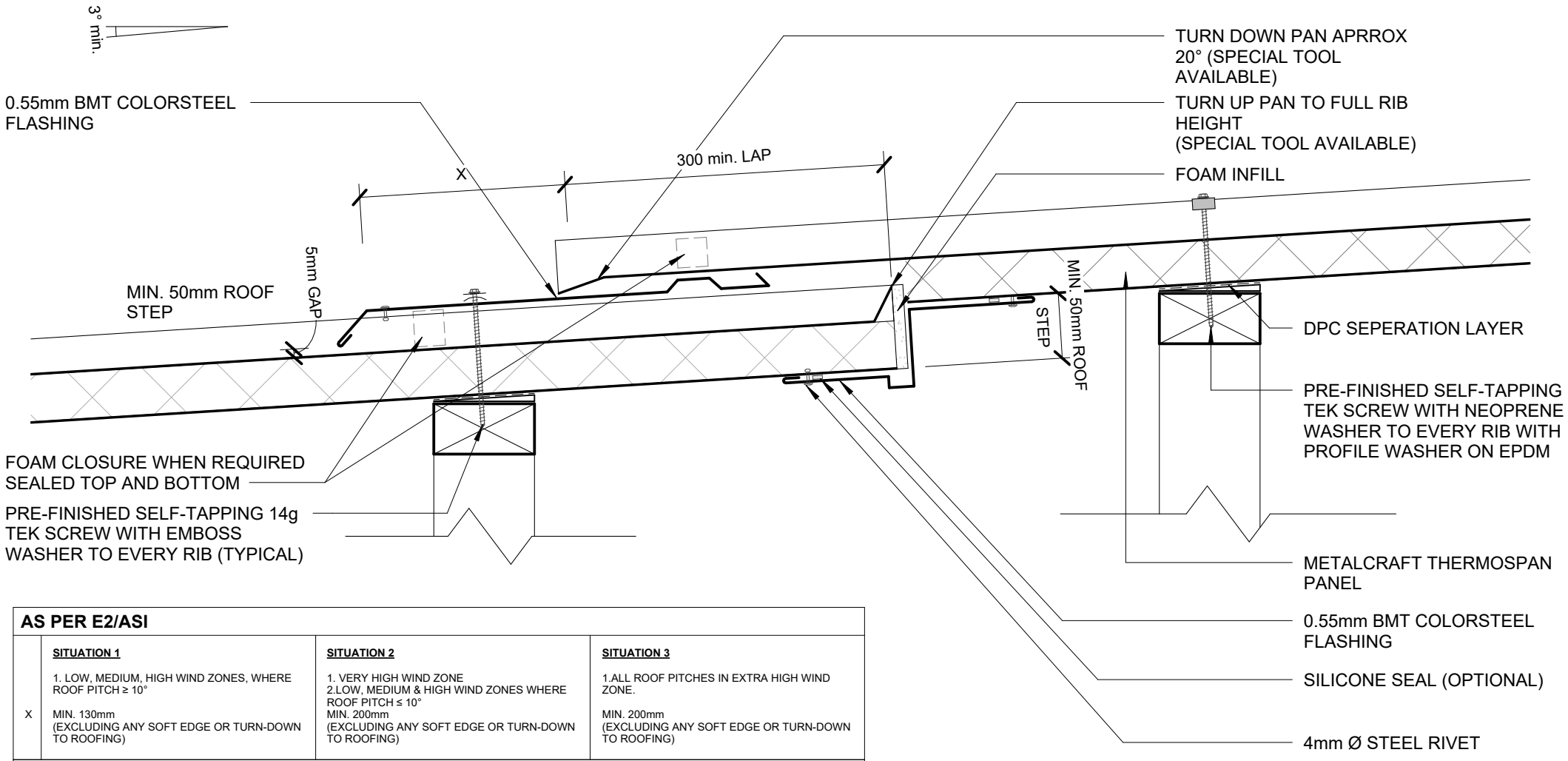

AS PER E2/ASI

	SITUATION 1	SITUATION 2	SITUATION 3
	1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH ≥ 10°	1. VERY HIGH WIND ZONE 2.LOW, MEDIUM & HIGH WIND ZONES WHERE ROOF PITCH ≤ 10°	1.ALL ROOF PITCHES IN EXTRA HIGH WIND ZONE.
X	MIN. 130mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)	MIN. 200mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)	MIN. 200mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)

AS PER MRM CODE OF PRACTICE

	CATEGORY A	CATEGORY B	CATEGORY C	CATEGORY D
	LOW, MEDIUM OR HIGH WIND ZONES - ALL ROOF PITCHES VERY HIGH AND EXTRA HIGH WIND ZONES WHERE THE PITCH IS EQUAL TO OR GREATER THAN 10°	VERY HIGH WIND ZONES ROOF PITCH <8° EXTRA HIGH WIND ZONES -ALL ROOF PITCHES	SED WIND ZONES UP TO 60 m/s ALL ROOF PITCH	SED WIND ZONES UP TO 68 m/s ALL ROOF PITCH
X	MIN. 130mm	MIN. 200mm	MIN. 200mm	MIN. 200mm + BAFFLE (REFER NZ MRM COP)

DETAIL RECOMMENDED WHERE ROOF RUNS EXCEED 16m

EXPANSION STEP DETAIL

ThermoSpan EPS Rev. 1.1 **RESIDENTIAL ROOFING**

Reference RREPS Date 19.12.2024 Scale 1 : 5 Sheet **20 / 32**

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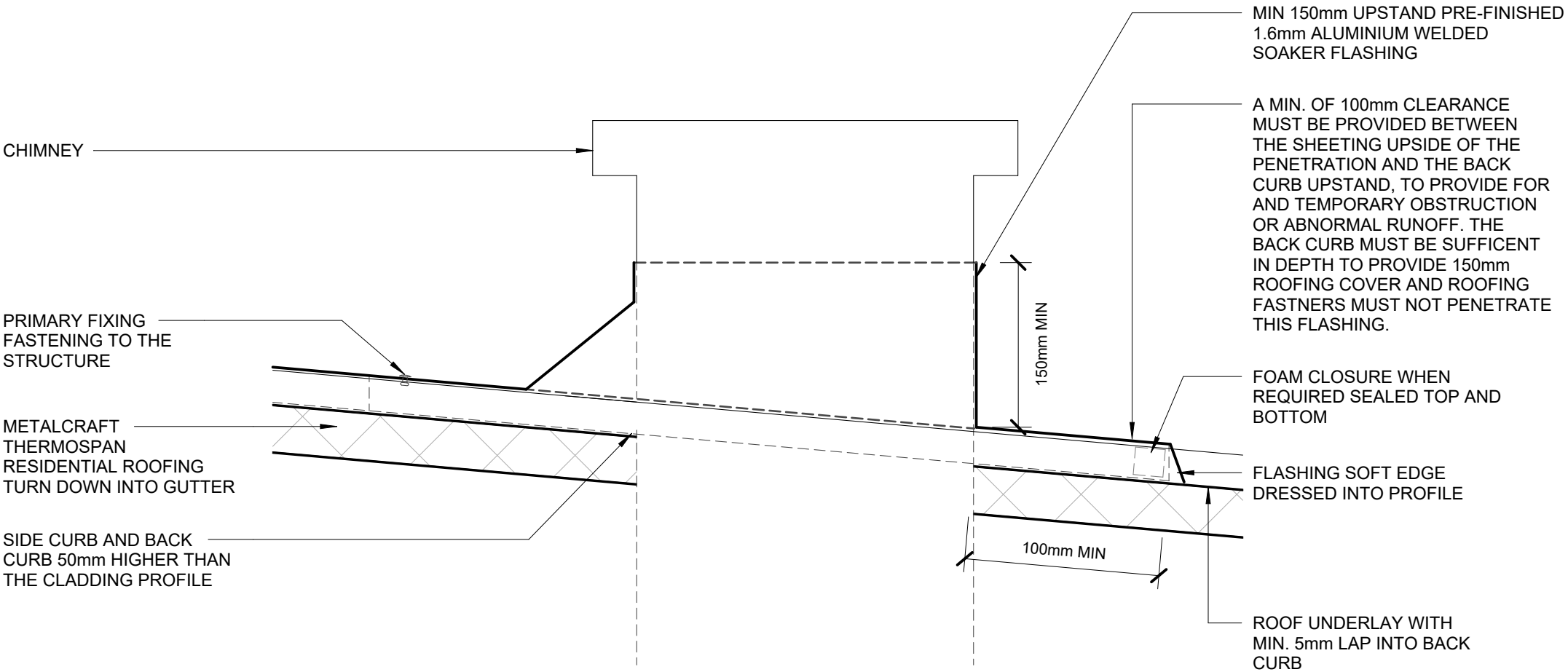

CHIMNEY PENETRATION DETAIL

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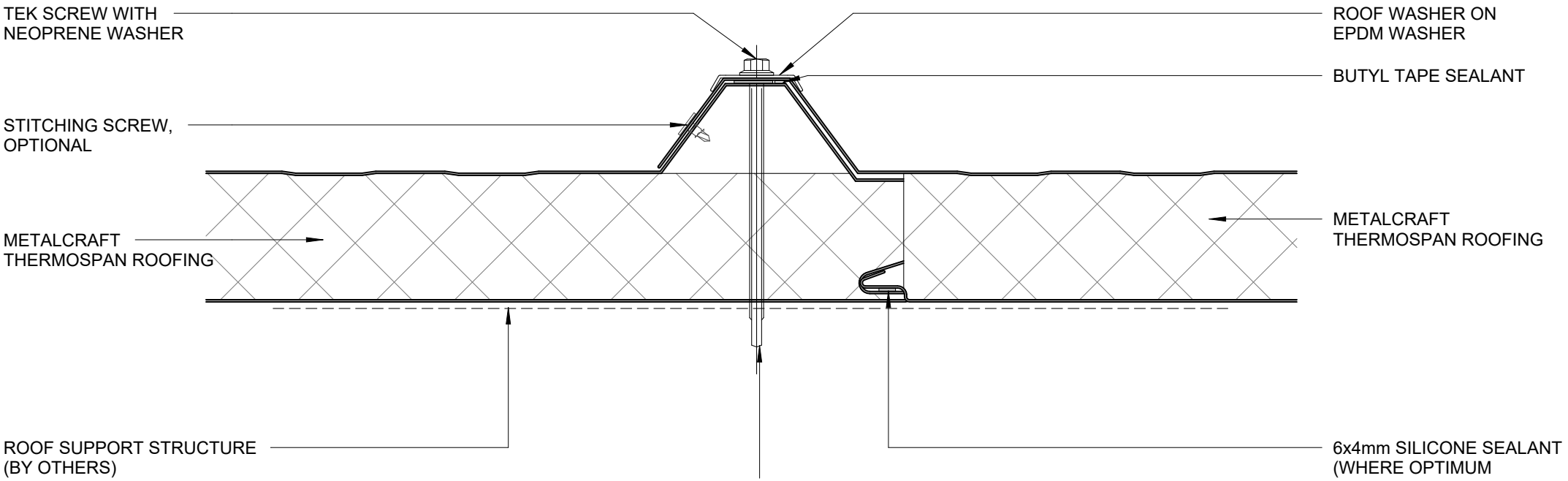

TIMBER FIX - TYPE 17 14G SCREW 40MM EMBEDMENT INTO TIMBER SUBSTRATE.

STEEL FIX - 14G STEELTITE SCREW MINIMUM THREE FULL THREADS INTO STEEL STRUCTURE.

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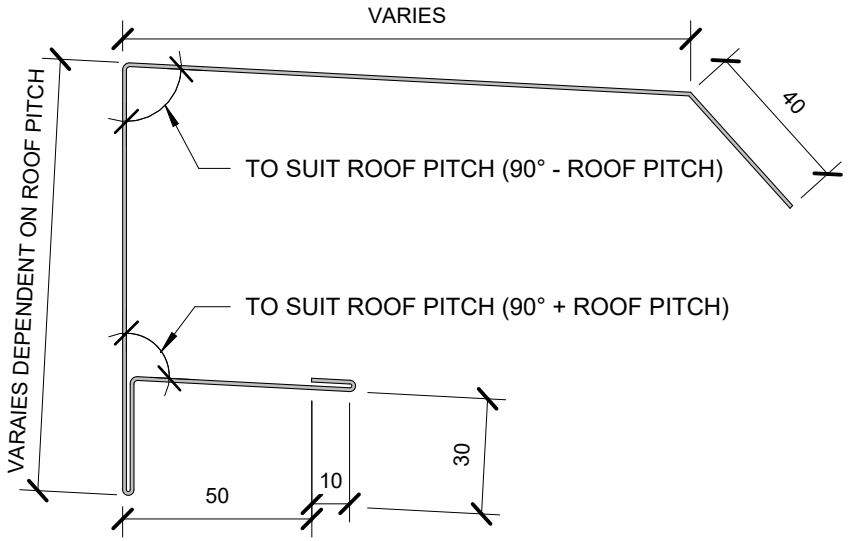
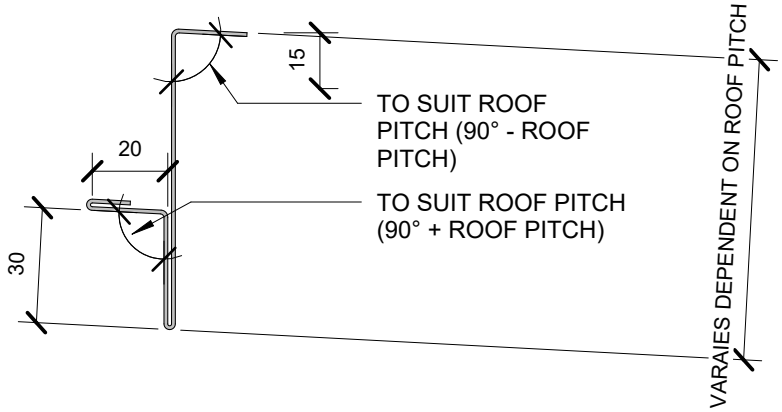
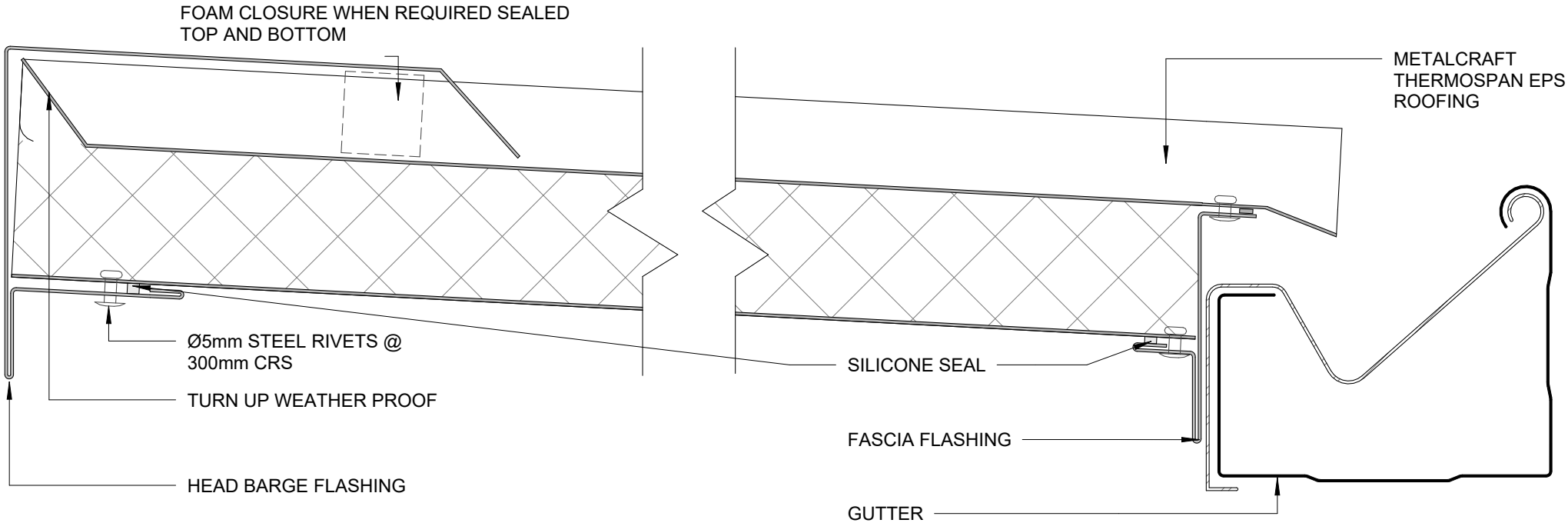
SIDE LAP DETAIL

THERMOSPAN HEAD BARGE FLASHING



THERMOSPAN FASCIA FLASHING





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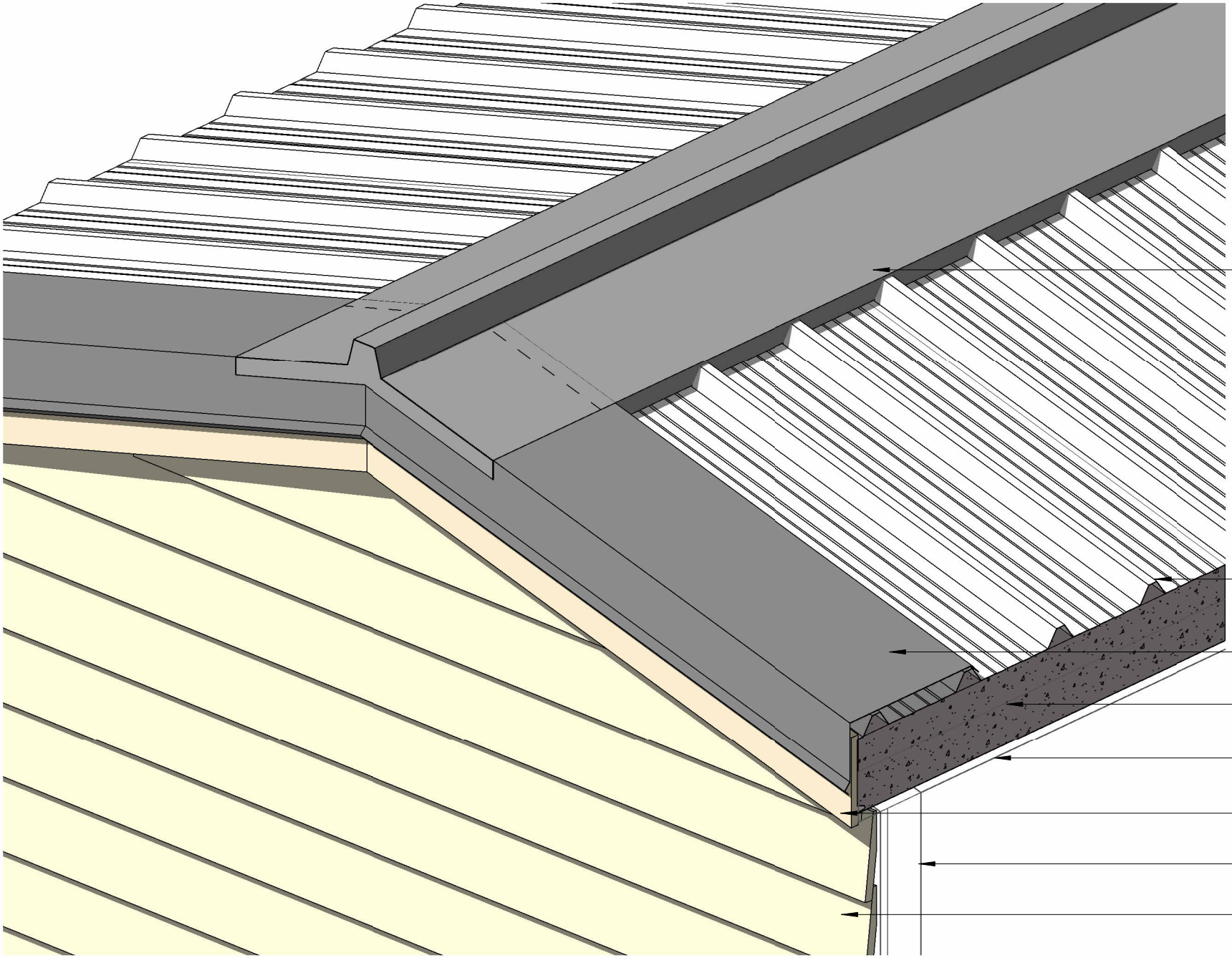
FASCIA AND BARGE FLASHING DIMENSIONS



* PLEASE REFER TO MRM CODE OF PRACTICE AND RANZ HOW TO ON-SITE GUIDE METAL ROOF FLASHINGS FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS.

PRE-FINISHED RIDGE CAP FLASHING

METALCRAFT THERMOSPAN

PRE-FINISHED BARGE FLASHING

PURLIN

ROOF FRAMING

FASCIA BOARD

WALL FRAMING

WALL CLADDING ON CAVITY

3D RIDGE TO BARGE JUCTION

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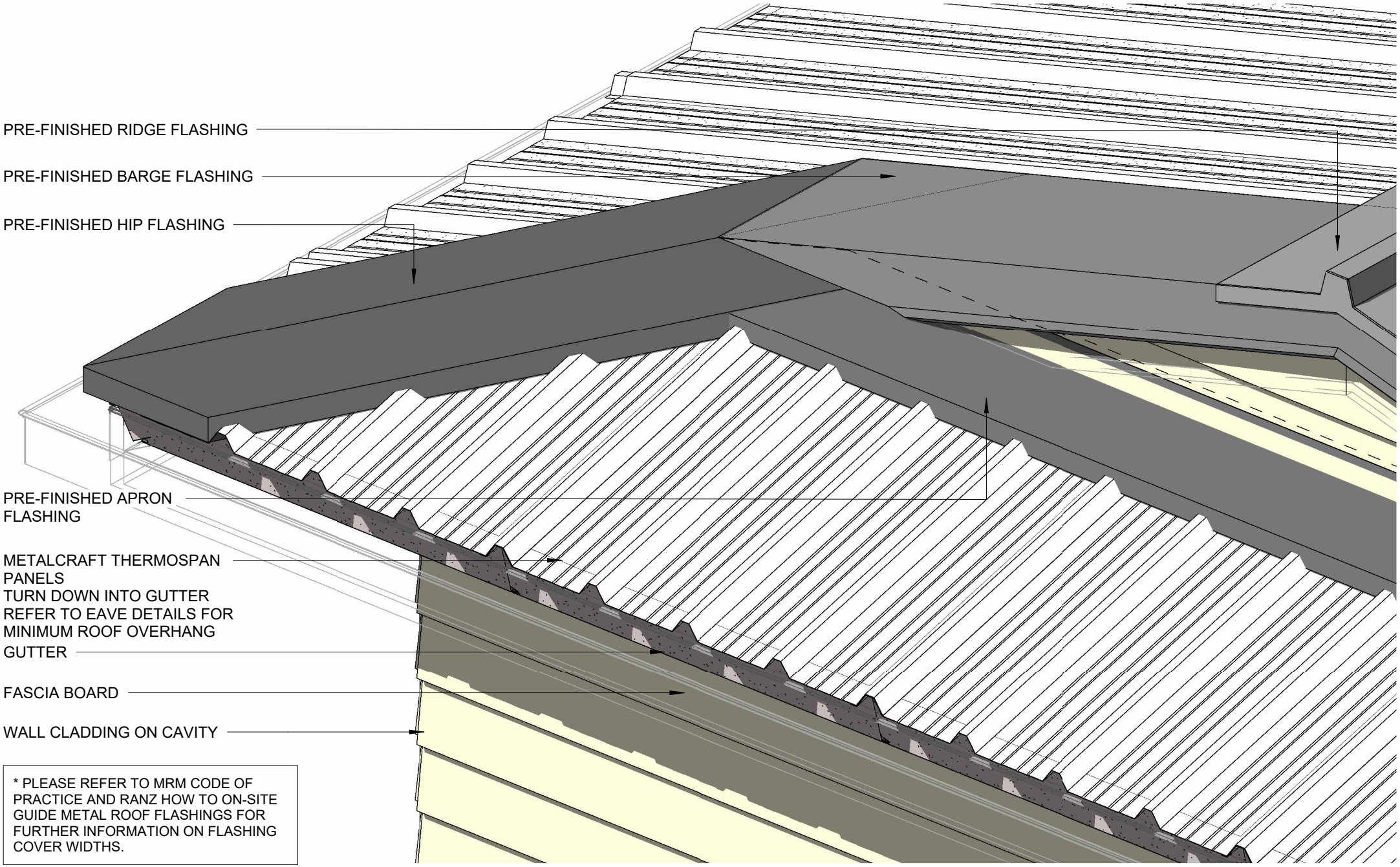

* PLEASE REFER TO MRM CODE OF PRACTICE AND RANZ HOW TO ON-SITE GUIDE METAL ROOF FLASHINGS FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS.

3D DUTCH GABLE

ThermoSpan EPS Rev. 1.1 **RESIDENTIAL ROOFING**

Reference RREPS Date 19.12.2024 Scale Sheet **25 / 32**

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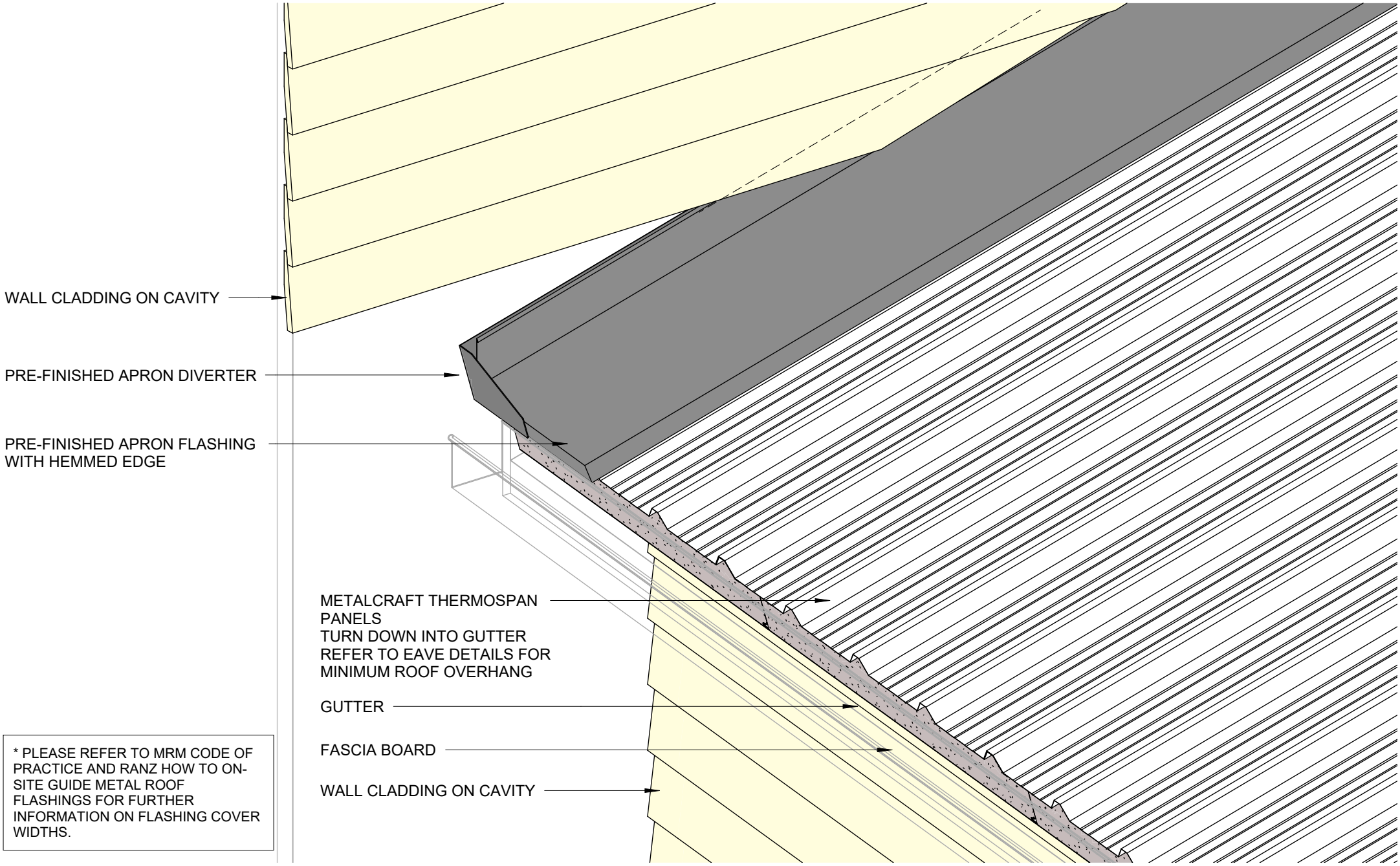

* PLEASE REFER TO MRM CODE OF PRACTICE AND RANZ HOW TO ON-SITE GUIDE METAL ROOF FLASHINGS FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS.

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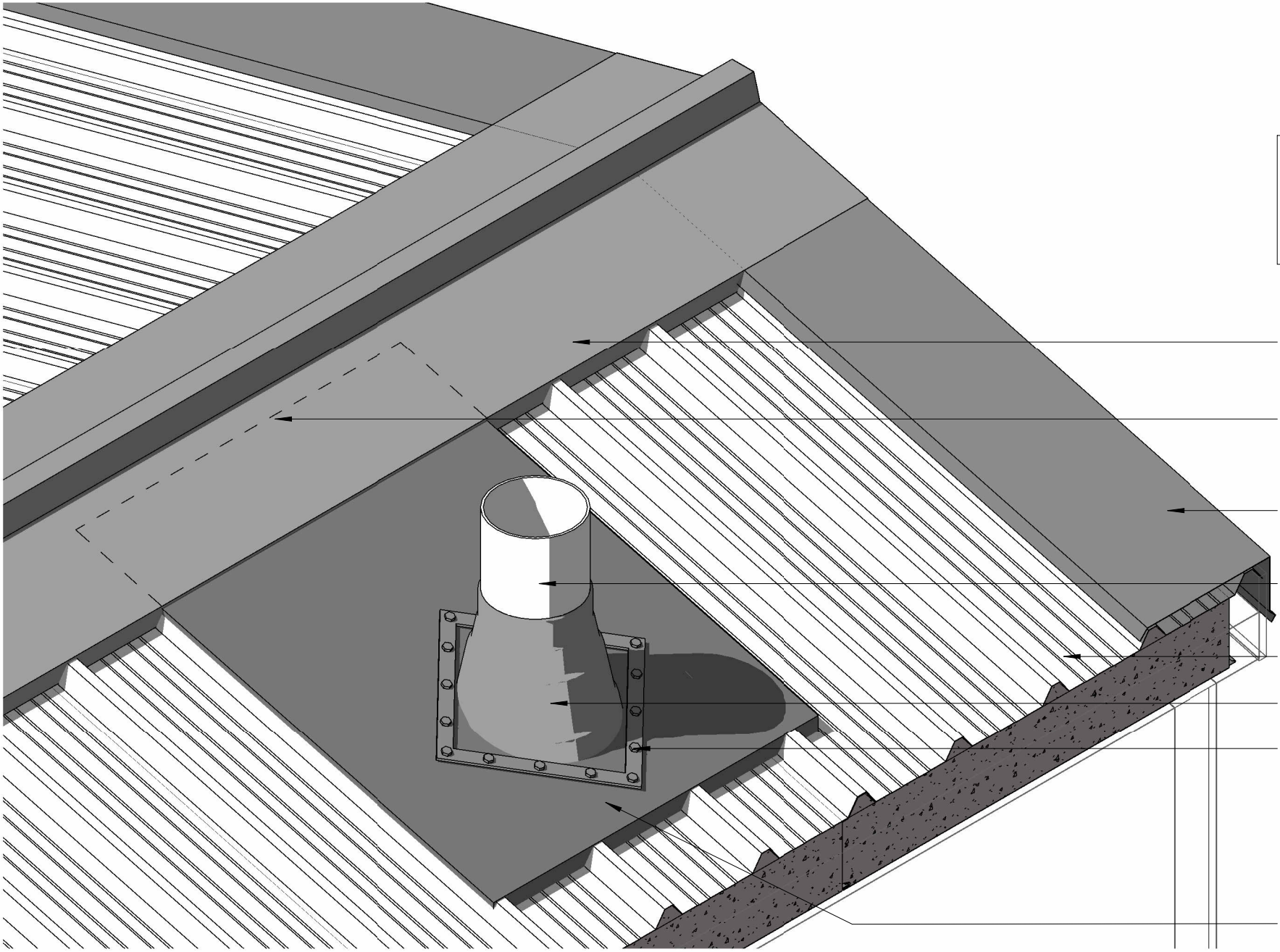
3D APRON



* PLEASE REFER TO MRM CODE OF PRACTICE AND RANZ HOW TO ON-SITE GUIDE METAL ROOF FLASHINGS FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS.

PRE-FINISHED ROOF RIDGE FLASHING

PRE-FINISHED SOAKER FLASHING LINE UNDER PRE-FINISHED ROOF RIDGE FLASHING

PRE-FINISHED ROOF BARGE FLASHING

PIPE
(DIAMETER OVER 85mm DIAMETER)

METALCRAFT THERMOSPAN PANELS

EPDM FLEXIBLE CONE SLEEVE

MALLEABLE FLANGE, SCREW OR RIVET FIXED, AND SEALED TO ROOFING PROFILE. FIT NEOPRENE WASHERS TO ALL SCREW FIXINGS. FITTED ON 45° ANGLE IN PLAN. REFER TO MRM CODE OF PRACTICE.

PRE-FINISHED SOAKER FLASHING

3D OVER 85mm DIAMETER PIPE PENETRATION

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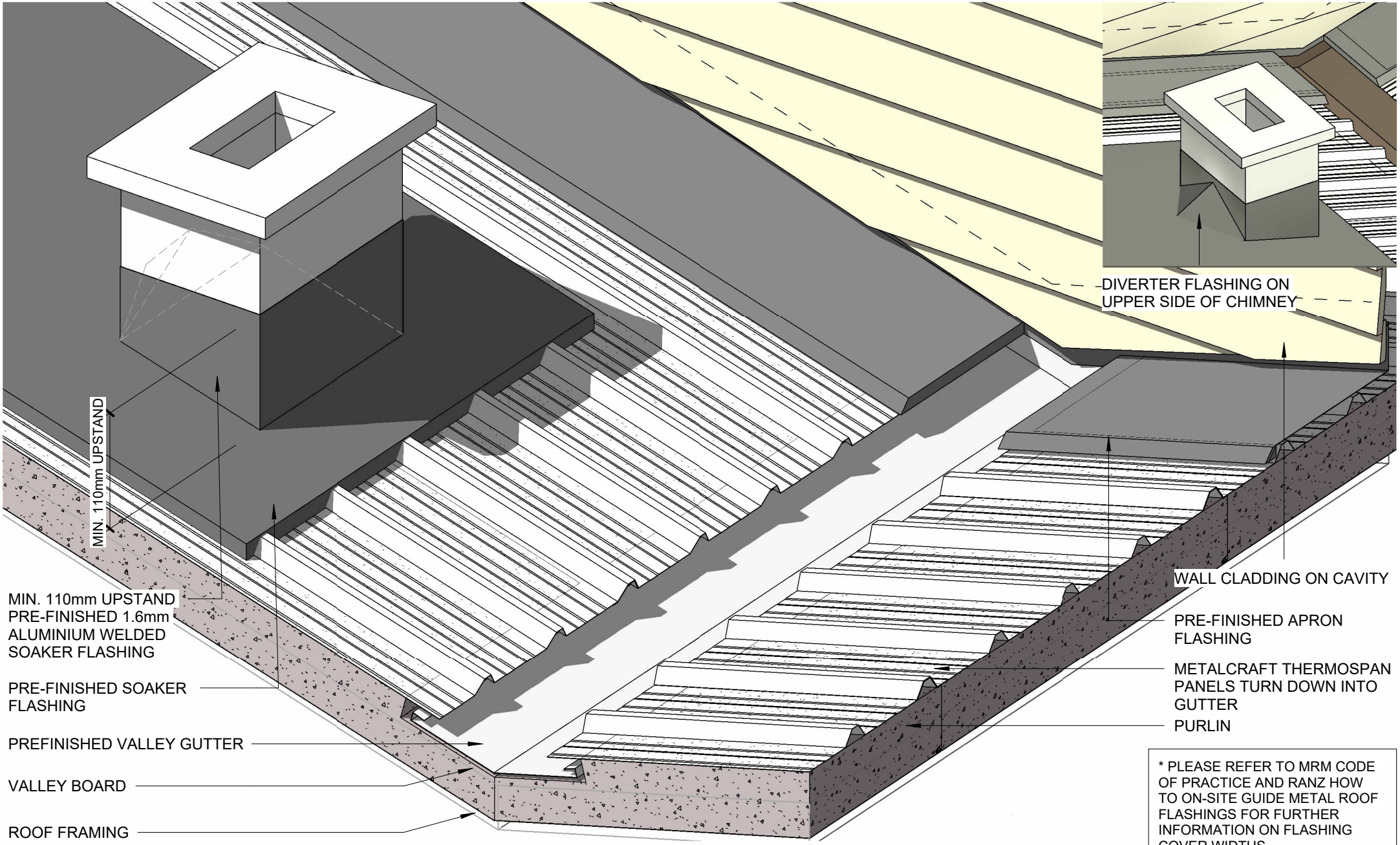

* PLEASE REFER TO MRM CODE OF PRACTICE AND RANZ HOW TO ON-SITE GUIDE METAL ROOF FLASHINGS FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS.

3D CHIMNEY PENETRATION

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Reference RREPS Date 19.12.2024 Scale Sheet **28 / 32**

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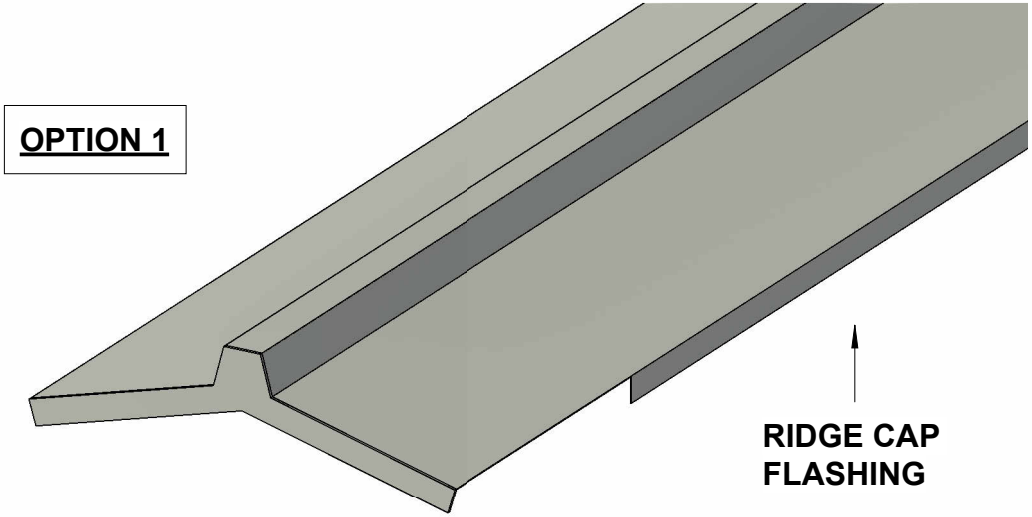
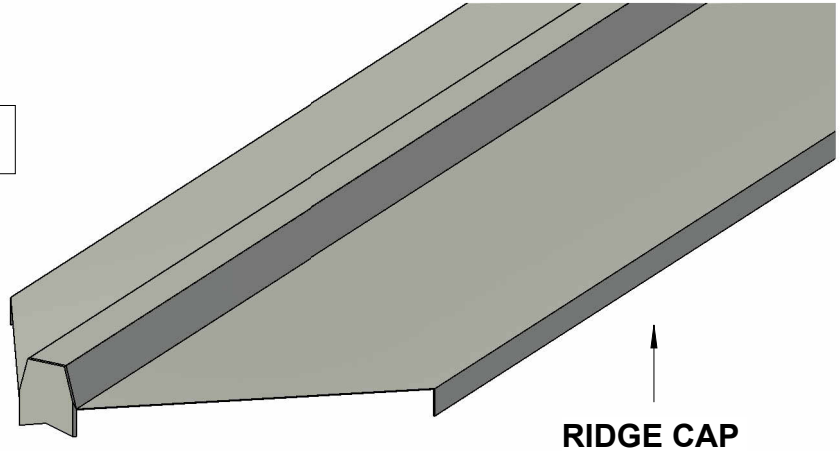
OPTION 1

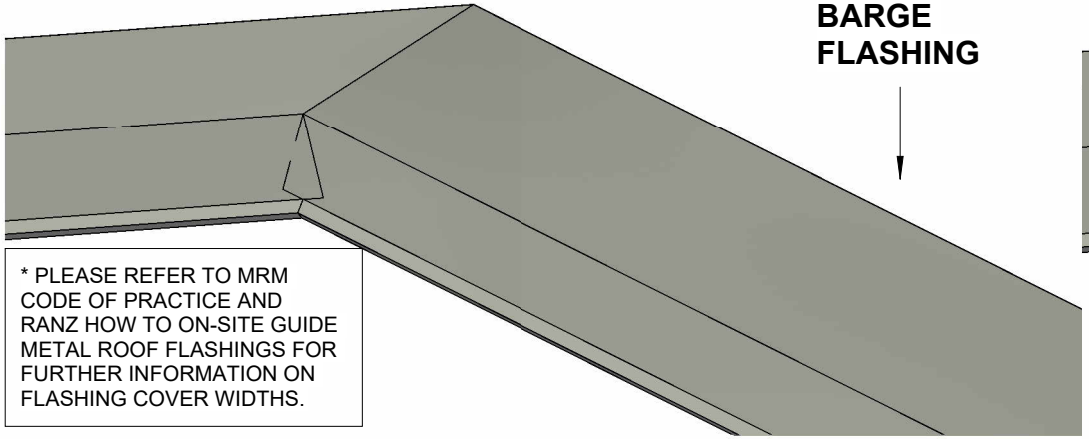


RIDGE CAP FLASHING

OPTION 2

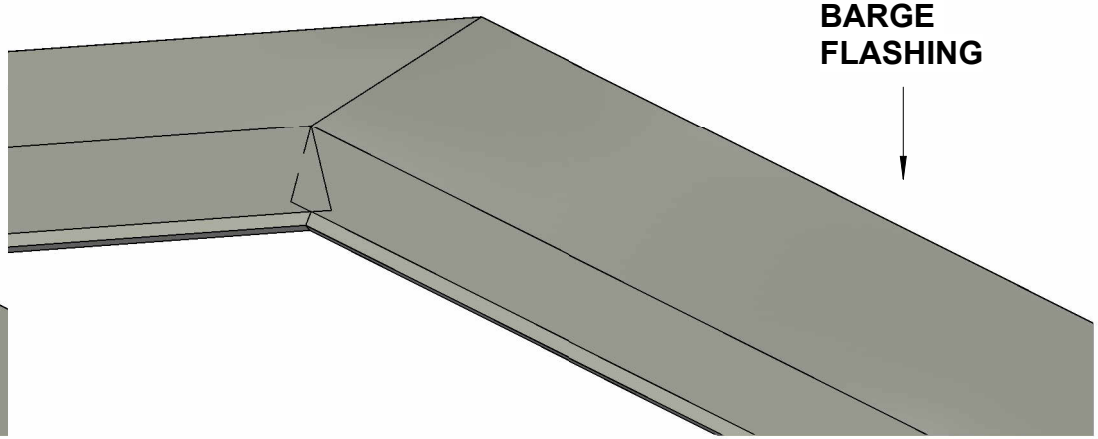


RIDGE CAP FLASHING



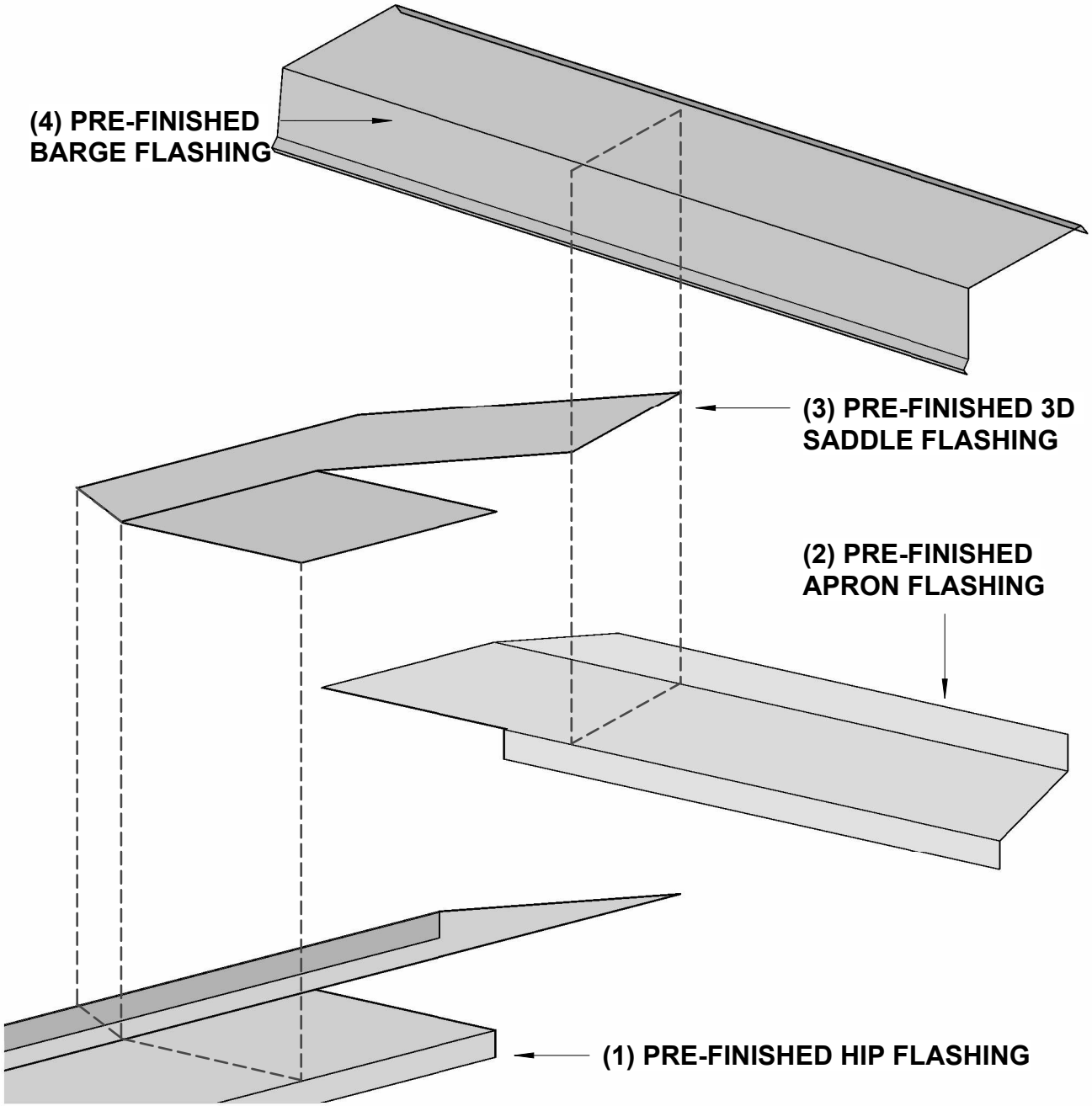
BARGE FLASHING

* PLEASE REFER TO MRM CODE OF PRACTICE AND RANZ HOW TO ON-SITE GUIDE METAL ROOF FLASHINGS FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS.

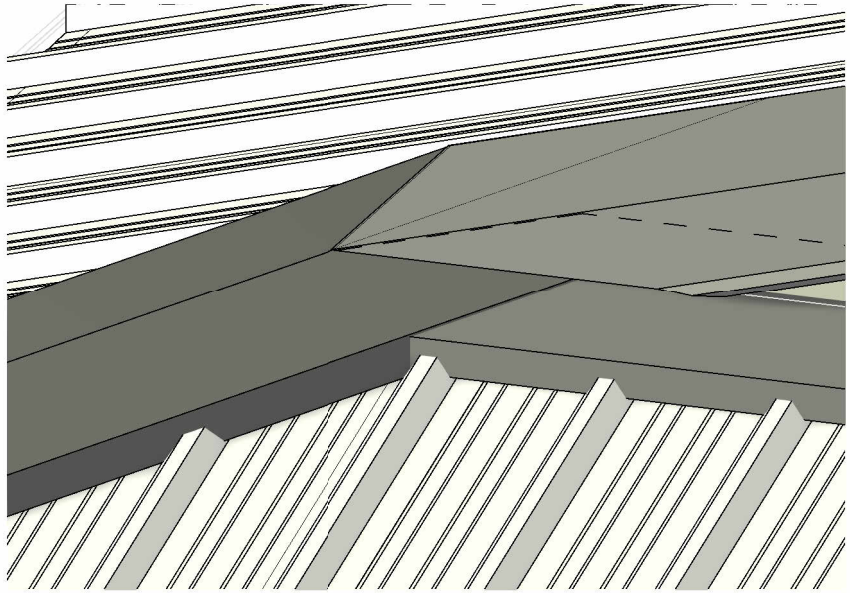


BARGE FLASHING

3D RIDGE/BARGE FLASHINGS



* PLEASE REFER TO MRM CODE OF PRACTICE AND RANZ HOW TO ON-SITE GUIDE METAL ROOF FLASHINGS FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS.



3D DUTCH GABLE FLASHINGS

ThermoSpan EPS Rev. 1.1 **RESIDENTIAL ROOFING**

Reference RREPS Date 19.12.2024 Scale Sheet **30 / 32**

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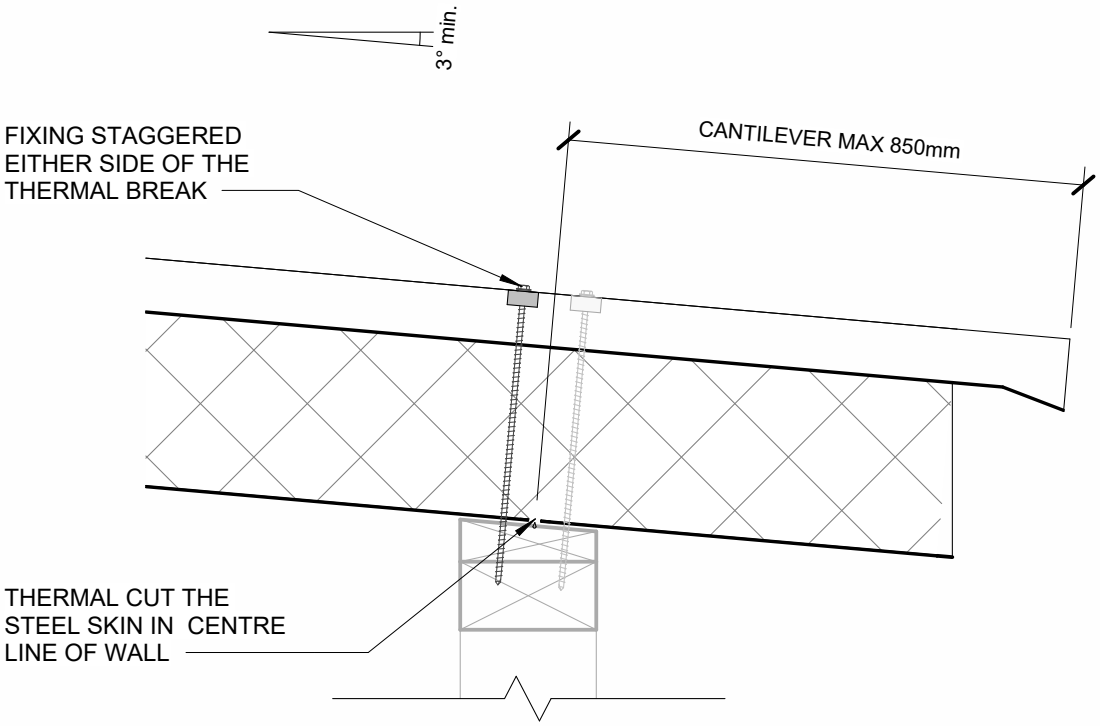

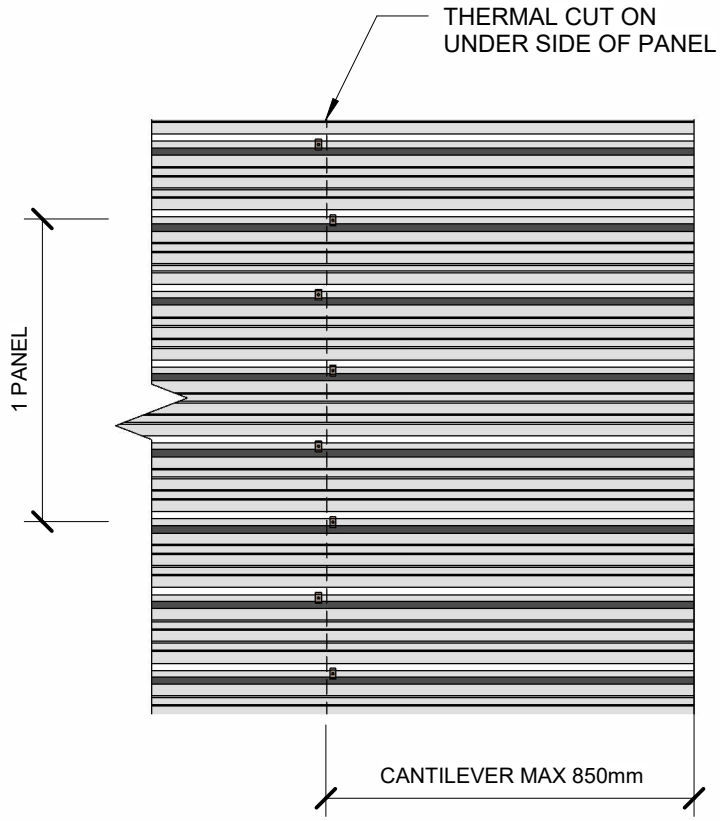

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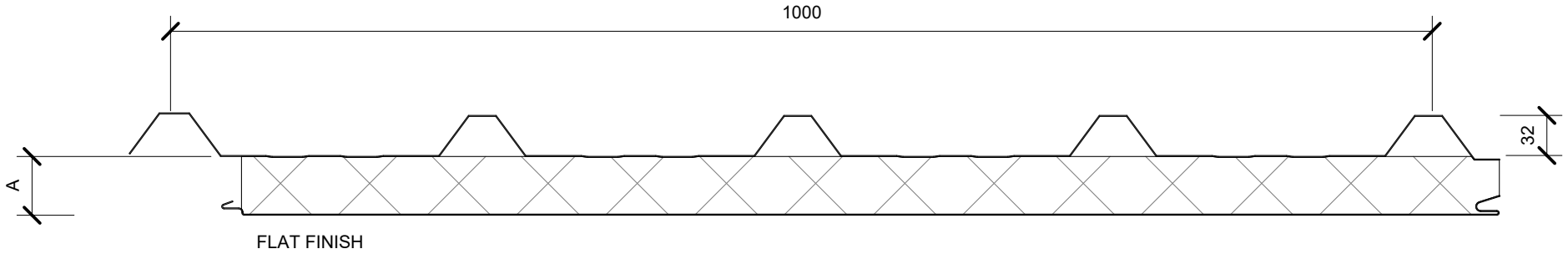
CANTILEVER DRAWING

ThermoSpan EPS Rev. 1.1 **RESIDENTIAL ROOFING**

Reference RREPS Date 19.12.2024 Scale As indicated

THERMOSPAN EPS

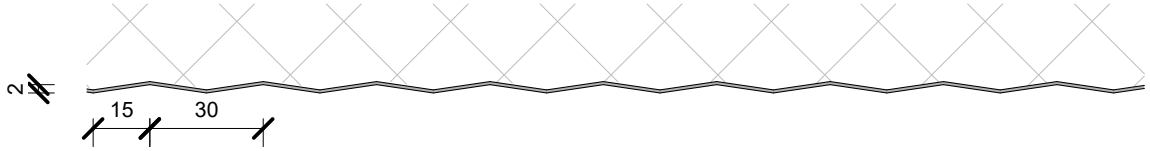


A = 50, 75, 100, 125,
150, 175, 200, 250

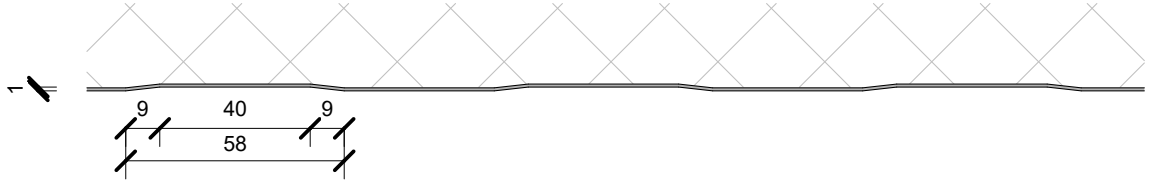
SCALE @ 1:5

INTERNAL LINER FINISHES

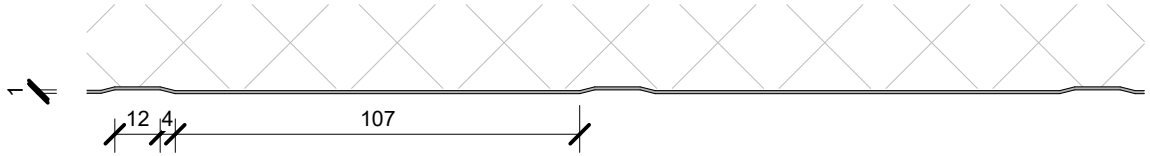
SILKLINE FINISH



MESA FINISH



RIBBED FINISH



SCALE @ 1:2

PANEL PROFILE AND SIZE