

Metrib 760

RESIDENTIAL ROOFING

DETAIL LIST

| | | <u>Revision</u> | <u>Date</u> |
|-----------|--|-----------------|-------------|
| A 00 / 26 | COVER SHEET | | |
| A 01 / 26 | ROOF RIDGE | 2.0 | JUNE 2024 |
| A 02 / 26 | ROOF RIDGE (ROUND) | 2.0 | JUNE 2024 |
| A 03 / 26 | SAWTOOTH RIDGE | 2.0 | JUNE 2024 |
| A 04 / 26 | SAWTOOTH EAVE | 2.0 | JUNE 2024 |
| A 05 / 26 | ROOF VALLEY | 2.0 | JUNE 2024 |
| A 06 / 26 | ASYMMETRICAL ROOF VALLEY | 2.0 | JUNE 2024 |
| A 07 / 26 | INTERNAL GUTTER | 2.0 | JUNE 2024 |
| A 08 / 26 | PARALLEL HIDDEN GUTTER | 2.0 | JUNE 2024 |
| A 09 / 26 | PARALLEL HIDDEN GUTTER (2 PART FLASHING) | 2.0 | JUNE 2024 |
| A 10 / 26 | ROOF - CHANGE PITCH | 2.0 | JUNE 2024 |
| A 11 / 26 | MANSARD | 2.0 | JUNE 2024 |
| A 12 / 26 | EAVE WITH SNOW STRAP | 2.0 | JUNE 2024 |
| A 13 / 26 | BARGE WITH PROFILED CLADDING | 2.0 | JUNE 2024 |
| A 14 / 26 | BARGE OVERHANG | 2.0 | JUNE 2024 |

DETAIL LIST

| | | <u>Revision</u> | <u>Date</u> |
|-----------|---|-----------------|-------------|
| A 15 / 26 | PARAPET WITH TRANSVERSE APRON | 2.0 | JUNE 2024 |
| A 16 / 26 | TRANSVERSE APRON | 2.0 | JUNE 2024 |
| A 17 / 26 | PARALLEL APRON | 2.0 | JUNE 2024 |
| A 18 / 26 | PIPE PENETRATION DIRECT FIXED BOUT FLASHING | 2.0 | JUNE 2024 |
| A 19 / 26 | PIPE PENETRATION BACK TRAY BOOT FLASHING | 2.0 | JUNE 2024 |
| A 20 / 26 | 3D RIDGE TO BARGE JUNCTION | 2.0 | JUNE 2024 |
| A 21 / 26 | 3D DUTCH GABLE | 2.0 | JUNE 2024 |
| A 22 / 26 | 3D APRON | 2.0 | JUNE 2024 |
| A 23 / 26 | BACK TRAY PENETRATION | 2.0 | JUNE 2024 |
| A 24 / 26 | 3D CHIMNEY PENETRATION | 2.0 | JUNE 2024 |
| A 25 / 26 | 3D RIDGE/BARGE FLASHINGS | 2.0 | JUNE 2024 |
| A 26 / 26 | 3D DUTCH GABLE FLASHINGS | 2.0 | JUNE 2024 |

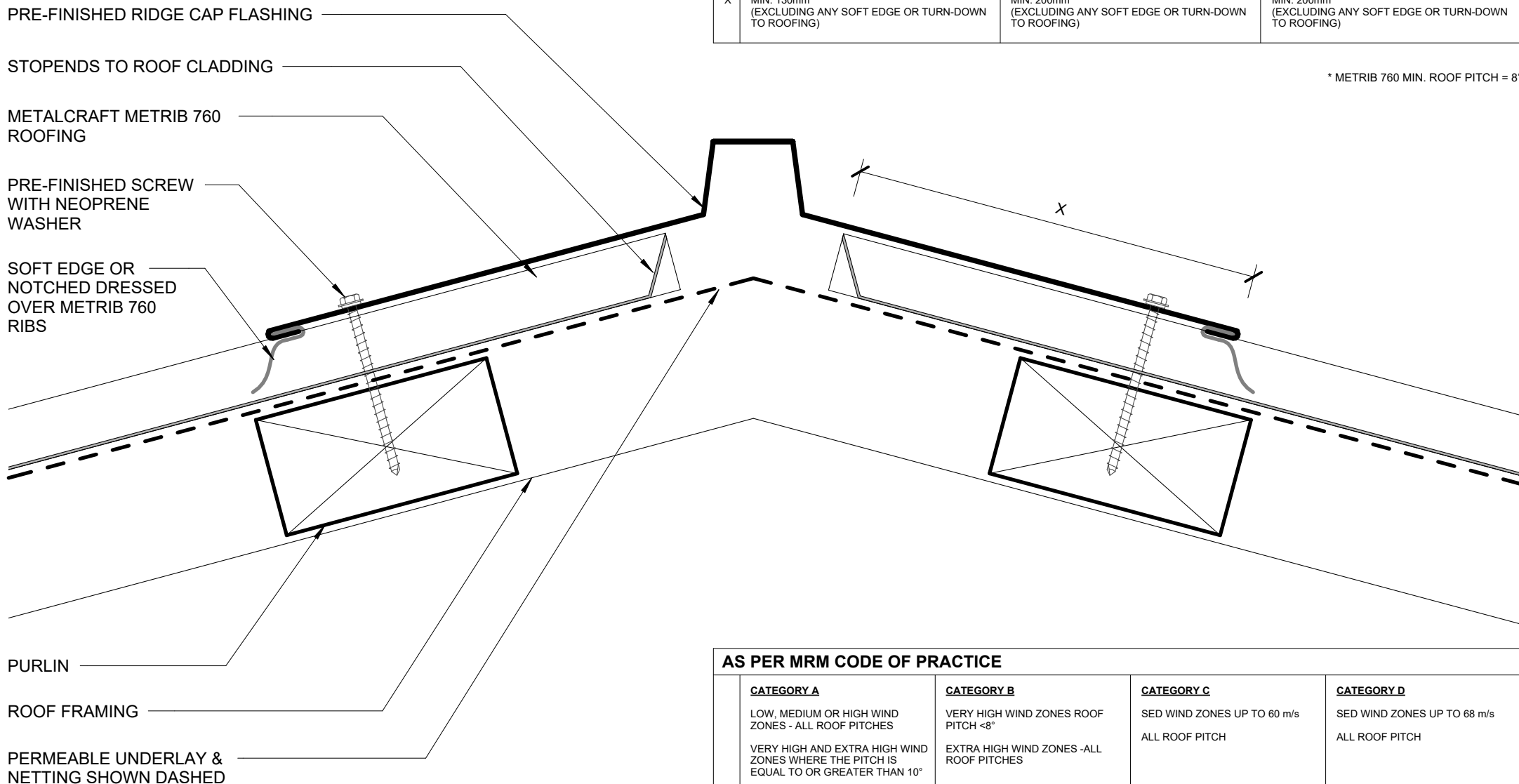
RRMR760

Metalcraft
Roofing
www.metalcraftgroup.co.nz

AS PER E2/ASI

| | SITUATION 1 | SITUATION 2 | SITUATION 3 |
|---|---|---|--|
| X | 1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH $\geq 10^\circ$ MIN. 130mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING) | 1. VERY HIGH WIND ZONE 2. LOW, MEDIUM & HIGH WIND ZONES WHERE ROOF PITCH $\leq 10^\circ$ MIN. 200mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING) | 1. ALL ROOF PITCHES IN EXTRA HIGH WIND ZONE. MIN. 200mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING) |

* METRIB 760 MIN. ROOF PITCH = 8°



AS PER MRM CODE OF PRACTICE

| | CATEGORY A | CATEGORY B | CATEGORY C | CATEGORY D |
|---|--|---|---|---|
| X | 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° MIN. 130mm | VERY HIGH WIND ZONES ROOF PITCH $< 8^\circ$ EXTRA HIGH WIND ZONES - ALL ROOF PITCHES MIN. 200mm | SED WIND ZONES UP TO 60 m/s ALL ROOF PITCH MIN. 200mm | SED WIND ZONES UP TO 68 m/s ALL ROOF PITCH MIN. 200mm + BAFFLE (REFER NZ MRM COP) |

AS PER E2/ASI

| | <u>SITUATION 1</u> | <u>SITUATION 2</u> | <u>SITUATION 3</u> |
|---|---|---|---|
| | 1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH $\geq 10^\circ$ | 1. VERY HIGH WIND ZONE 2. LOW, MEDIUM & HIGH WIND ZONES WHERE ROOF PITCH $\leq 10^\circ$ | 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) |

* METRIB 760 MIN. ROOF PITCH = 8°

PRE-FINISHED ROUND CAP FLASHING

STOPENDS TO ROOF CLADDING

METALCRAFT METRIB 760 ROOFING

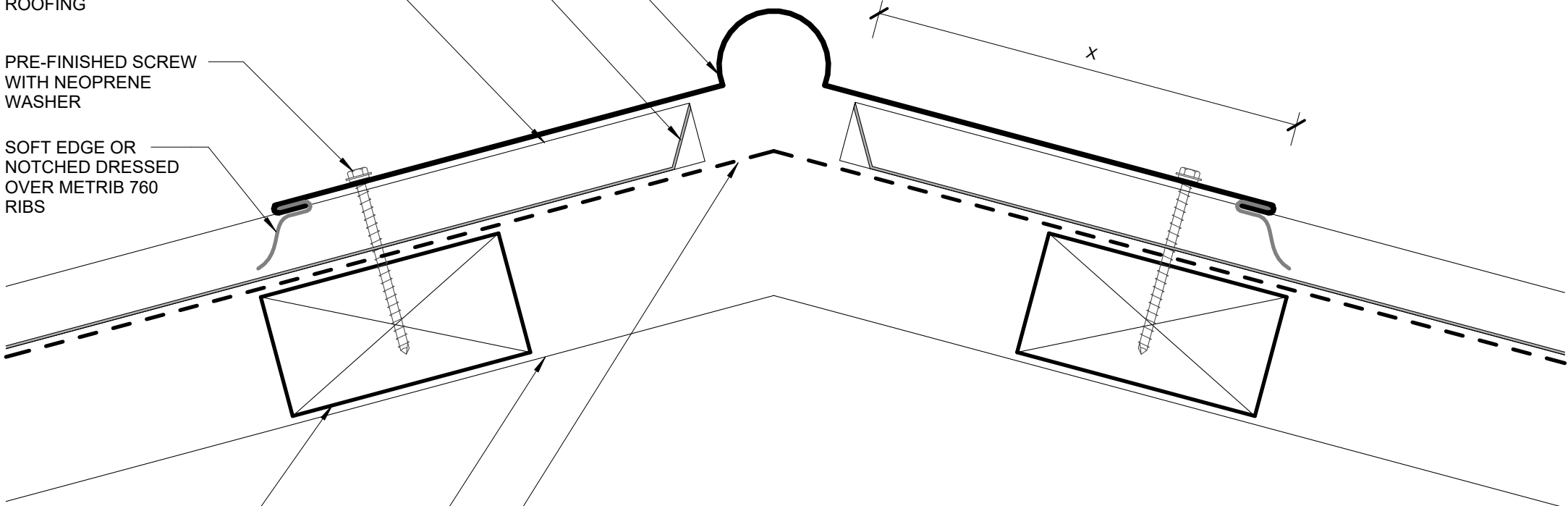
PRE-FINISHED SCREW WITH NEOPRENE WASHER

SOFT EDGE OR NOTCHED DRESSED OVER METRIB 760 RIBS

PURLIN

ROOF FRAMING

PERMEABLE UNDERLAY & NETTING SHOWN DASHED



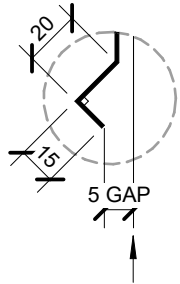
AS PER MRM CODE OF PRACTICE

| | <u>CATEGORY A</u> | <u>CATEGORY B</u> | <u>CATEGORY C</u> | <u>CATEGORY D</u> |
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| X | MIN. 130mm | MIN. 200mm | MIN. 200mm | MIN. 200mm + BAFFLE (REFER NZ MRM COP) |

STOPENDS TO ROOF CLADDING

* METRIB 760 MIN. ROOF PITCH = 8°

PRE-FINISHED SAWTOOTH
RIDGE CAP FLASHING



ALTERNATIVE OPTION
BIRDS BEAK EDGE

HEMMED EDGE

PRE-FINISHED 8g
WAFER-TEK SCREW

TIMBER PACKER

FASCIA BOARD PRE PRIMED

TIMBER PACKER

WEATHERBOARDS ON CAVITY

PERMEABLE UNDERLAY, SHOWN
DASHED

ROOF OR WALL FRAMING

PRE-FINISHED SCREW
WITH NEOPRENE WASHER

SOFT EDGE OR NOTCHED
DRESSED OVER METRIB 760 RIBS

METALCRAFT METRIB 760
ROOFING

PERMEABLE UNDERLAY &
NETTING SHOWN DASHED

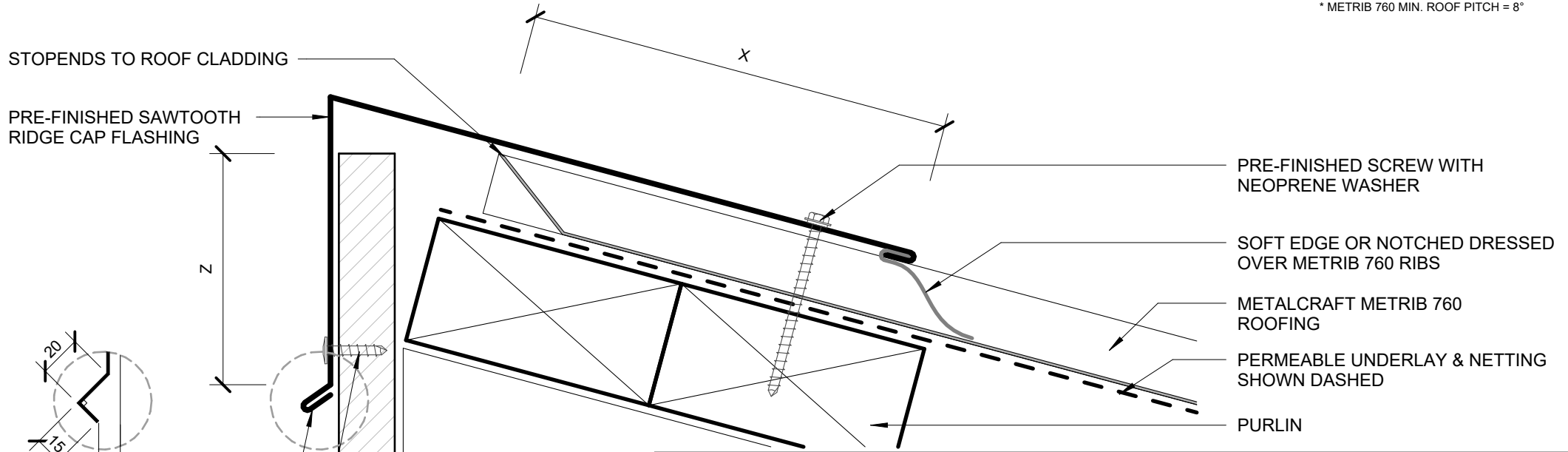
PURLIN

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 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) |
| 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 |
| X | MIN. 150mm | MIN. 200mm | MIN. 200mm | 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. 75mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 125mm (VERTICALLY DOWN FACE - PROFILED) | MIN. 75mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 125mm (VERTICALLY DOWN FACE - PROFILED) |



ALTERNATIVE OPTION BIRDS BEAK EDGE

HEMMED EDGE

PRE-FINISHED 8g WAFER-TEK SCREW

TIMBER FASCIA

ROOF FRAMING

SOFFIT LINING

| 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 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) |
| Z | MIN. 50mm | MIN. 70mm | MIN. 90mm |

| AS PER MRM CODE OF PRACTICE | | | | |
|-----------------------------|--|---|---|---|
| | CATEGORY A | CATEGORY B | CATEGORY C | CATEGORY D |
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| X | MIN. 150mm | MIN. 200mm | MIN. 200mm | 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. 75mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 125mm (VERTICALLY DOWN FACE - PROFILED) | MIN. 75mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 125mm (VERTICALLY DOWN FACE - PROFILED) |

METALCRAFT 760 ROOFING

PRE-FINISHED SCREW WITH NEOPRENE WASHER

OVERALL VALLEY GUTTER WIDTH MIN. 250mm

CLEARANCE BETWEEN ROOFING 50mm MIN.

MIN. 80mm

MIN. 80mm

MIN. 50mm

FREEBOARD

ROOF FRAMING

PURLIN

VALLEY BOARD

PERMEABLE UNDERLAY CONTINUOUS UNDER GUTTER IF COPPER BASED TREATMENTS ARE USED, SHOWN DASHED

VALLEY GUTTER, MATERIAL AS PER E2/AS1 AND MRM CODE OF PRACTICE

VALLEY RAFTER

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.

METALCRAFT 760 ROOFING

PRE-FINISHED SCREW WITH NEOPRENE WASHER

ROOF FRAMING

PURLIN

VALLEY BOARD

PERMEABLE UNDERLAY CONTINUOUS UNDER GUTTER IF COPPER BASED TREATMENTS ARE USED, SHOWN DASHED

VALLEY GUTTER, MATERIAL AS PER E2/AS1 AND MRM CODE OF PRACTICE

VALLEY RAFTER

WHERE OPPOSING ROOFS OF DIFFERENT PITCHES DISCHARGE INTO A VALLEY, AN ASYMMETRICAL VALLEY IS REQUIRED.

A VALLEY BAFFLE IS RECOMMENDED WHERE THE DIFFERENCE IN ROOF PITCHES EXCEEDS 10°.

FREEBOARD

AS PER MRM CODE OF PRACTICE

1. NZMRM ALLOWS FOR CUSTOM ASYMMETRICAL 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 ASYMMETRICAL 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. ASYMMETRICAL 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 ASYMMETRICAL VALLEY DESIGNS.

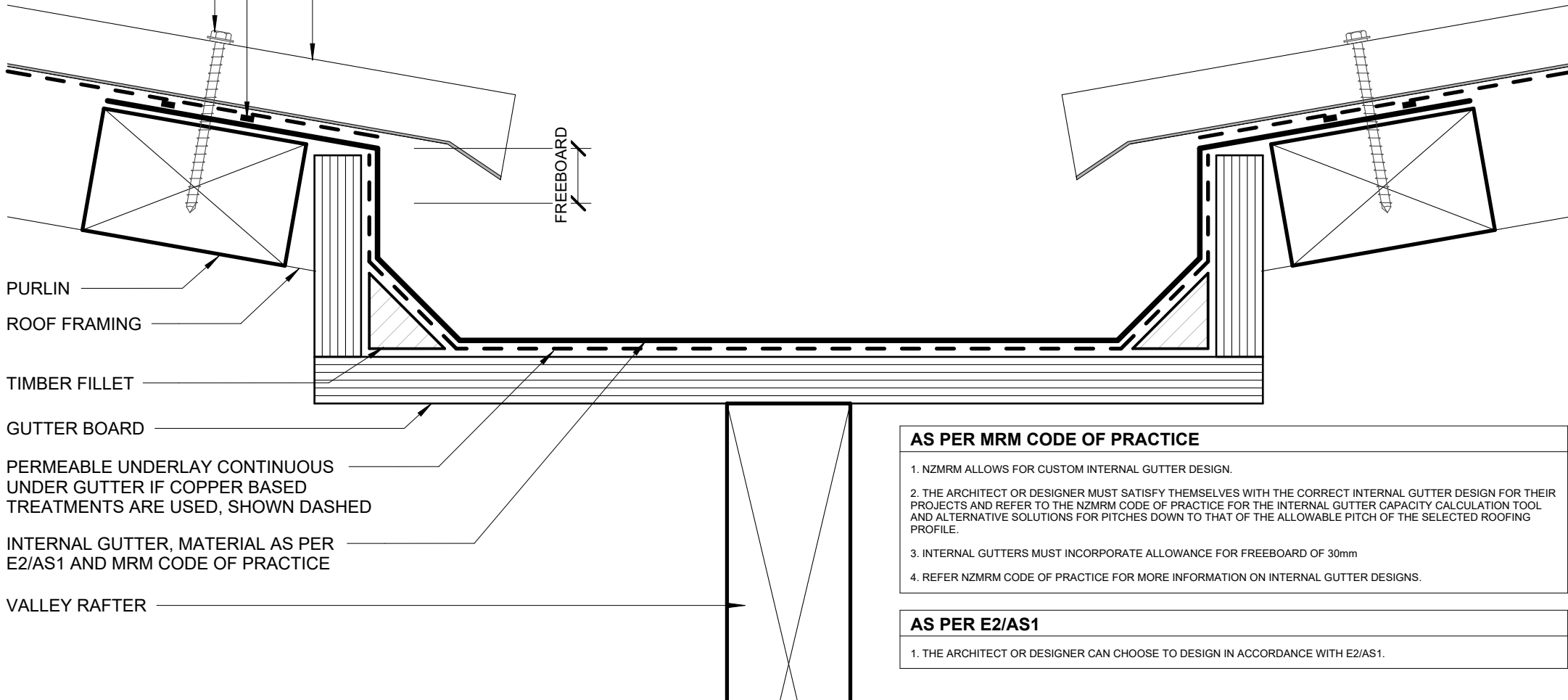
AS PER E2/AS1

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

METALCRAFT METRIB 760
ROOFING

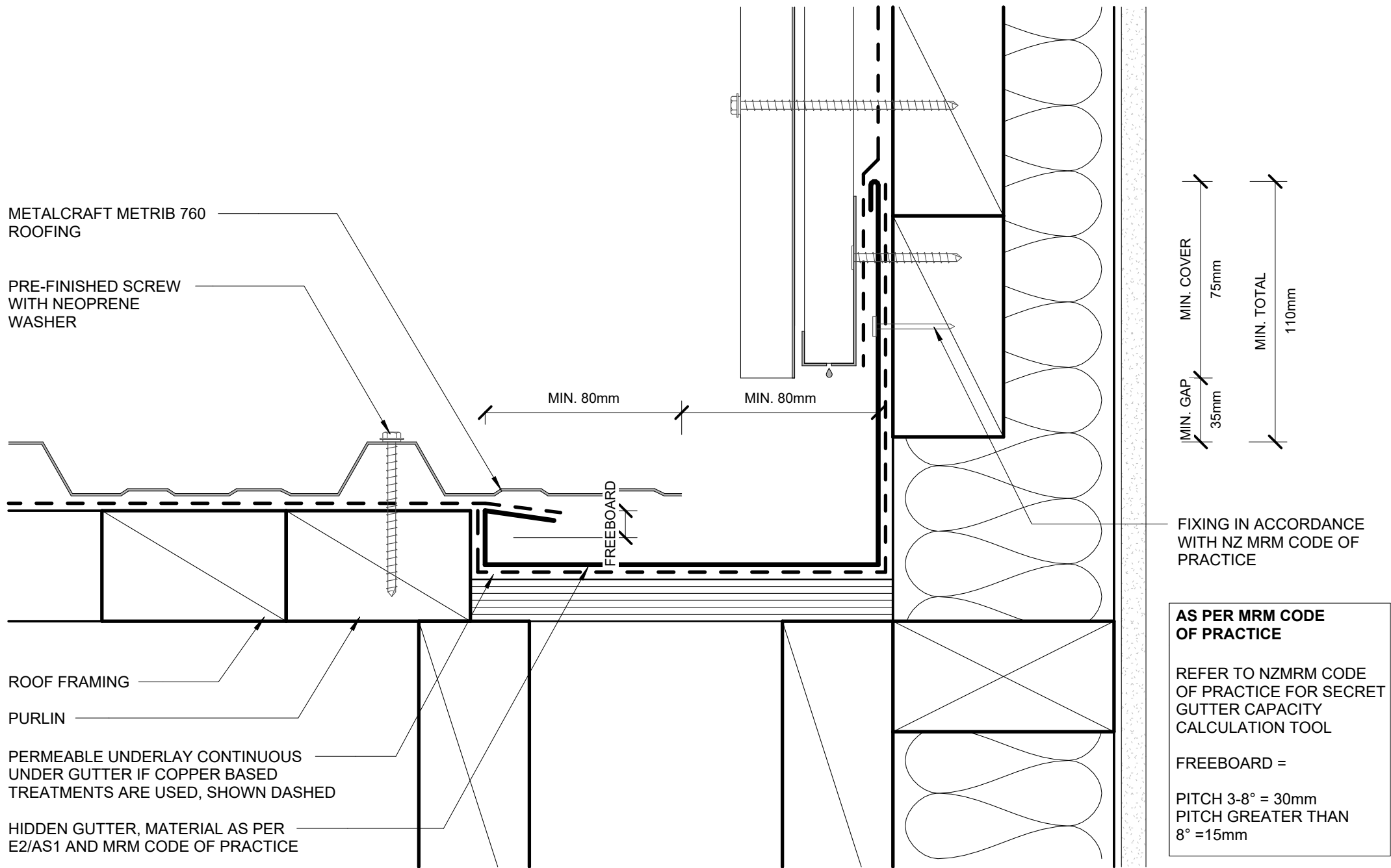
SEPARATION OF BUTYL
GUTTER AND METAL
ROOFING WITH LAP
SEAL TAPE

PRE-FINISHED
SCREW WITH
NEOPRENE WASHER



- 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.



METALCRAFT METRIB 760 ROOFING

PRE-FINISHED SCREW WITH NEOPRENE WASHER

MIN. 80mm

MIN. 80mm

FREEBOARD

MIN. COVER 75mm
MIN. GAP 35mm
MIN. TOTAL 110mm

FIXING IN ACCORDANCE WITH NZ MRM CODE OF PRACTICE

AS PER MRM CODE OF PRACTICE

REFER TO NZMRM CODE OF PRACTICE FOR SECRET GUTTER CAPACITY CALCULATION TOOL

FREEBOARD =
PITCH 3-8° = 30mm
PITCH GREATER THAN 8° = 15mm

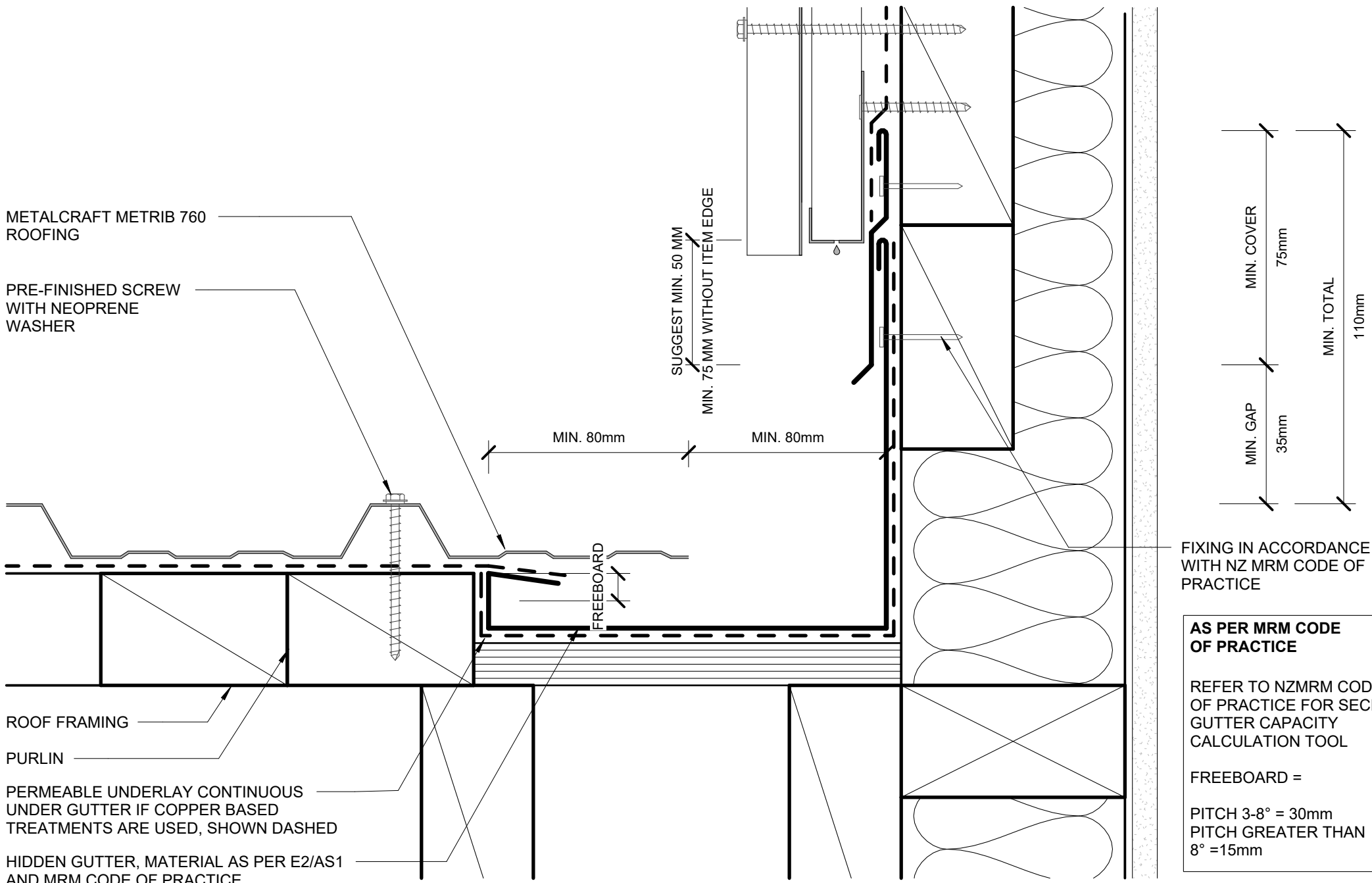
ROOF FRAMING

PURLIN

PERMEABLE UNDERLAY CONTINUOUS UNDER GUTTER IF COPPER BASED TREATMENTS ARE USED, SHOWN DASHED

HIDDEN GUTTER, MATERIAL AS PER E2/AS1 AND MRM CODE OF PRACTICE

PARALLEL HIDDEN GUTTER
RESIDENTIAL ROOFING



METALCRAFT METRIB 760 ROOFING

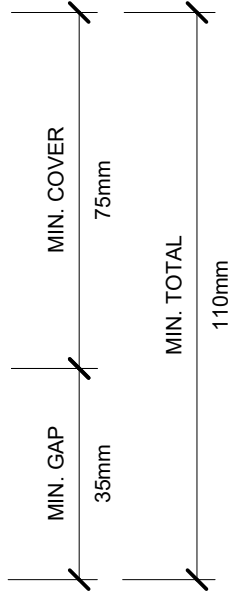
PRE-FINISHED SCREW WITH NEOPRENE WASHER

SUGGEST MIN. 50 MM
MIN. 75MM WITHOUT ITEM EDGE

MIN. 80mm

MIN. 80mm

FREEBOARD



FIXING IN ACCORDANCE WITH NZ MRM CODE OF PRACTICE

AS PER MRM CODE OF PRACTICE

REFER TO NZMRM CODE OF PRACTICE FOR SECRET GUTTER CAPACITY CALCULATION TOOL

FREEBOARD =

PITCH 3-8° = 30mm
PITCH GREATER THAN 8° = 15mm

ROOF FRAMING

PURLIN

PERMEABLE UNDERLAY CONTINUOUS UNDER GUTTER IF COPPER BASED TREATMENTS ARE USED, SHOWN DASHED

HIDDEN GUTTER, MATERIAL AS PER E2/AS1 AND MRM CODE OF PRACTICE

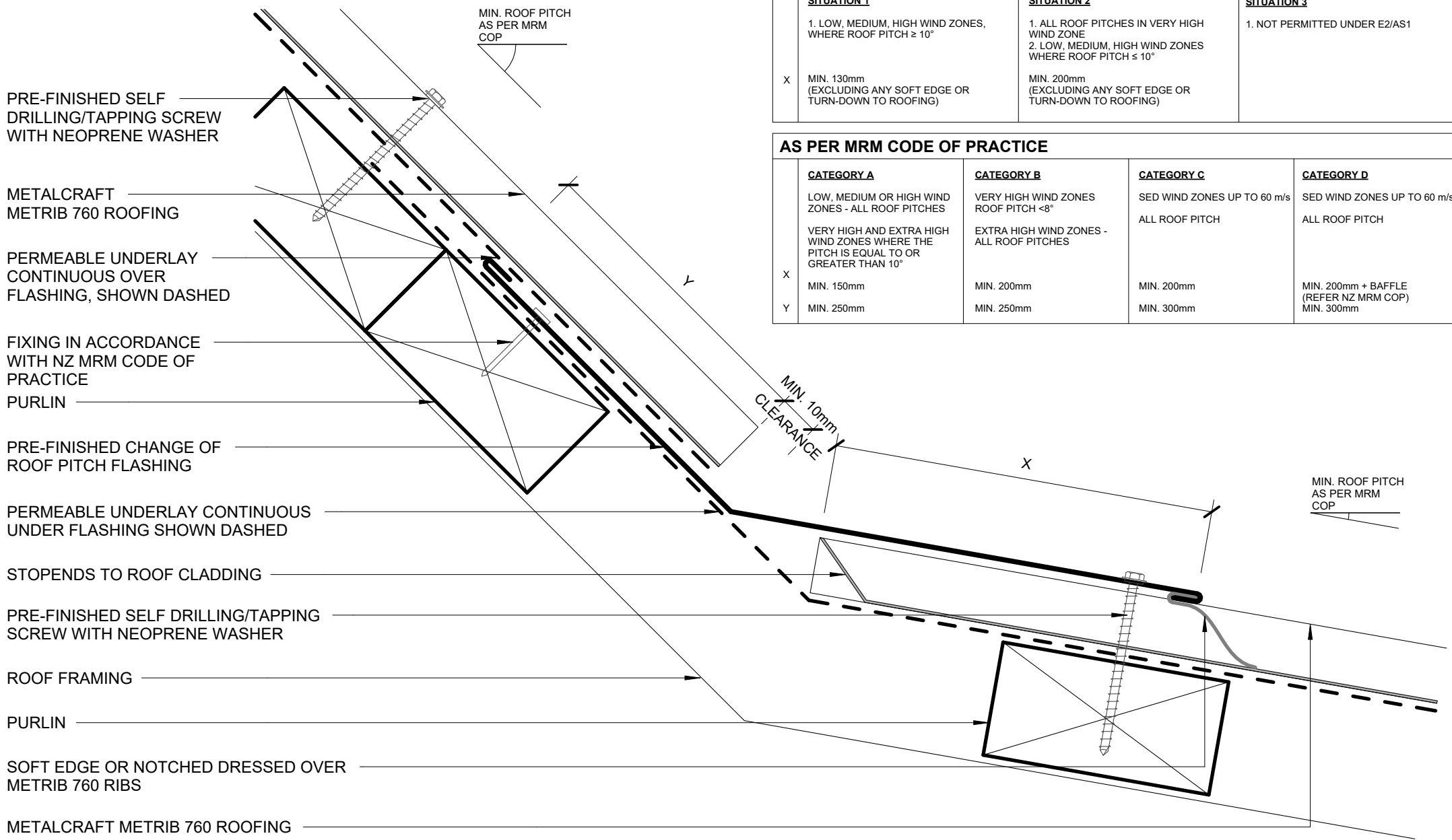
PARALLEL HIDDEN GUTTER (2 PART FLASHING)

Metalcraft Roofing
www.metalcraftgroup.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. Compliance of the supporting mechanisms is the responsibility of the designer. Construction detail can vary for wall cladding. The underlay is detailed as a single line for simplicity and is indicative only. Building paper type and method of installation should comply with underlay manufacturers recommendations and NZBC regulations.

Metrib 760 Rev. 2.0 RESIDENTIAL ROOFING

Reference RRM760 Date JUNE 2024 Scale 1 : 2 Sheet **A 09 / 26**



| AS PER E2/ASI | | |
|---|--|-------------------------------|
| SITUATION 1 | SITUATION 2 | SITUATION 3 |
| 1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH $\geq 10^\circ$ X MIN. 130mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING) | 1. ALL ROOF PITCHES IN VERY HIGH WIND ZONE 2. LOW, MEDIUM, HIGH WIND ZONES WHERE ROOF PITCH $\leq 10^\circ$ MIN. 200mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING) | 1. NOT PERMITTED UNDER E2/AS1 |

| 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° X MIN. 150mm Y MIN. 250mm | VERY HIGH WIND ZONES ROOF PITCH $< 8^\circ$ EXTRA HIGH WIND ZONES - ALL ROOF PITCHES MIN. 200mm MIN. 250mm | SED WIND ZONES UP TO 60 m/s ALL ROOF PITCH MIN. 200mm MIN. 300mm | SED WIND ZONES UP TO 60 m/s ALL ROOF PITCH MIN. 200mm + BAFFLE (REFER NZ MRM COP) MIN. 300mm |

METALCRAFT
METRIB 760 ROOFING

FIXING IN ACCORDANCE
WITH NZ MRM CODE OF
PRACTICE

PRE-FINISHED SELF
DRILLING/TAPPING SCREW
WITH NEOPRENE WASHER

PERMEABLE UNDERLAY
CONTINUOUS OVER
FLASHING, SHOWN DASHED

PURLIN

PRE-FINISHED CHANGE OF
ROOF PITCH FLASHING

PERMEABLE UNDERLAY CONTINUOUS
UNDER FLASHING, SHOWN DASHED

STOPENDS TO ROOF CLADDING

ROOF FRAMING

PRE-FINISHED SELF DRILLING/TAPPING
SCREW WITH NEOPRENE WASHER

PURLIN

SOFT EDGE OR NOTCHED DRESSED OVER
METRIB 760 RIBS

METALCRAFT METRIB 760 ROOFING

MIN. ROOF PITCH
AS PER MRM
COP

50mm MIN

MIN. ROOF PITCH
AS PER MRM
COP

AS PER E2/AS1

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| X | MIN. 130mm (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 |
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| X | MIN. 150mm | MIN. 200mm | MIN. 200mm | MIN. 200mm + BAFFLE (REFER NZ MRM COP) |
| Y | MIN. 250mm | MIN. 250mm | MIN. 300mm | MIN. 300mm |

EAVE FLASHING REQUIRED WHEN ALL OF THE FOLLOWING CONDITIONS ARE MET:
 ROOF PITCH $\leq 10^\circ$
 SOFFIT WIDTH $\leq 100\text{mm}$
 WIND ZONES = VERY HIGH OR EXTRA HIGH

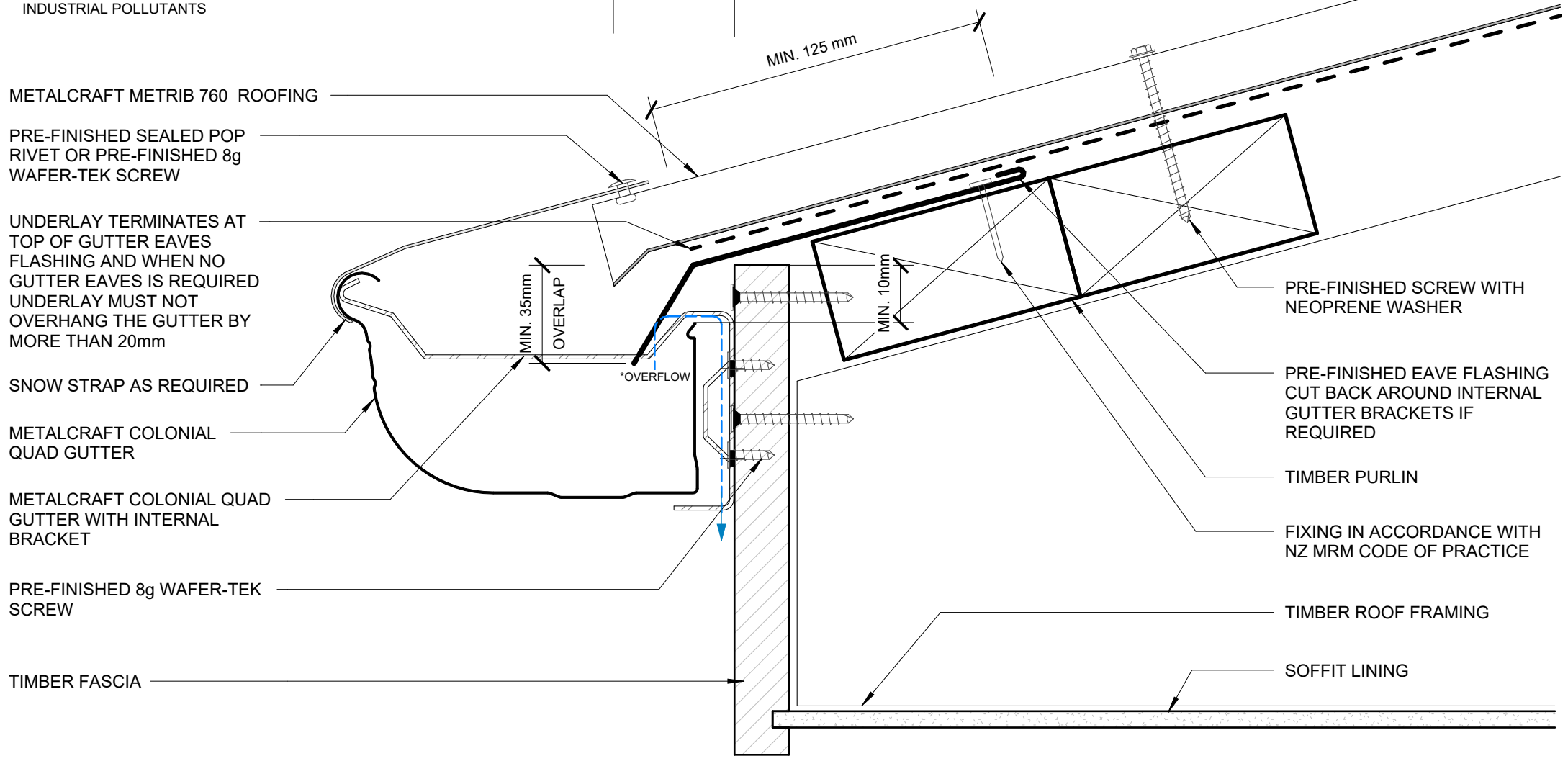
OTHER SITUATION - ENGINEER SPECIFIC DESIGN
 MRM RECOMMENDS TO USE IN AREAS EXPOSED TO CONTAMINATORS SUCH AS SEA SALT OR INDUSTRIAL POLLUTANTS

$<10^\circ$ OR UN-BAFFLED BY SPOUTING = 70mm

$10^\circ - 35^\circ = 50\text{mm}$

$>35^\circ = 40\text{mm}$

MIN. ROOF PITCH AS PER MRM COP



METALCRAFT METRIB 760 ROOFING

PRE-FINISHED SEALED POP RIVET OR PRE-FINISHED 8g WAFER-TEK SCREW

UNDERLAY TERMINATES AT TOP OF GUTTER EAVES FLASHING AND WHEN NO GUTTER EAVES IS REQUIRED UNDERLAY MUST NOT OVERHANG THE GUTTER BY MORE THAN 20mm

SNOW STRAP AS REQUIRED

METALCRAFT COLONIAL QUAD GUTTER

METALCRAFT COLONIAL QUAD GUTTER WITH INTERNAL BRACKET

PRE-FINISHED 8g WAFER-TEK SCREW

TIMBER FASCIA

PRE-FINISHED SCREW WITH NEOPRENE WASHER

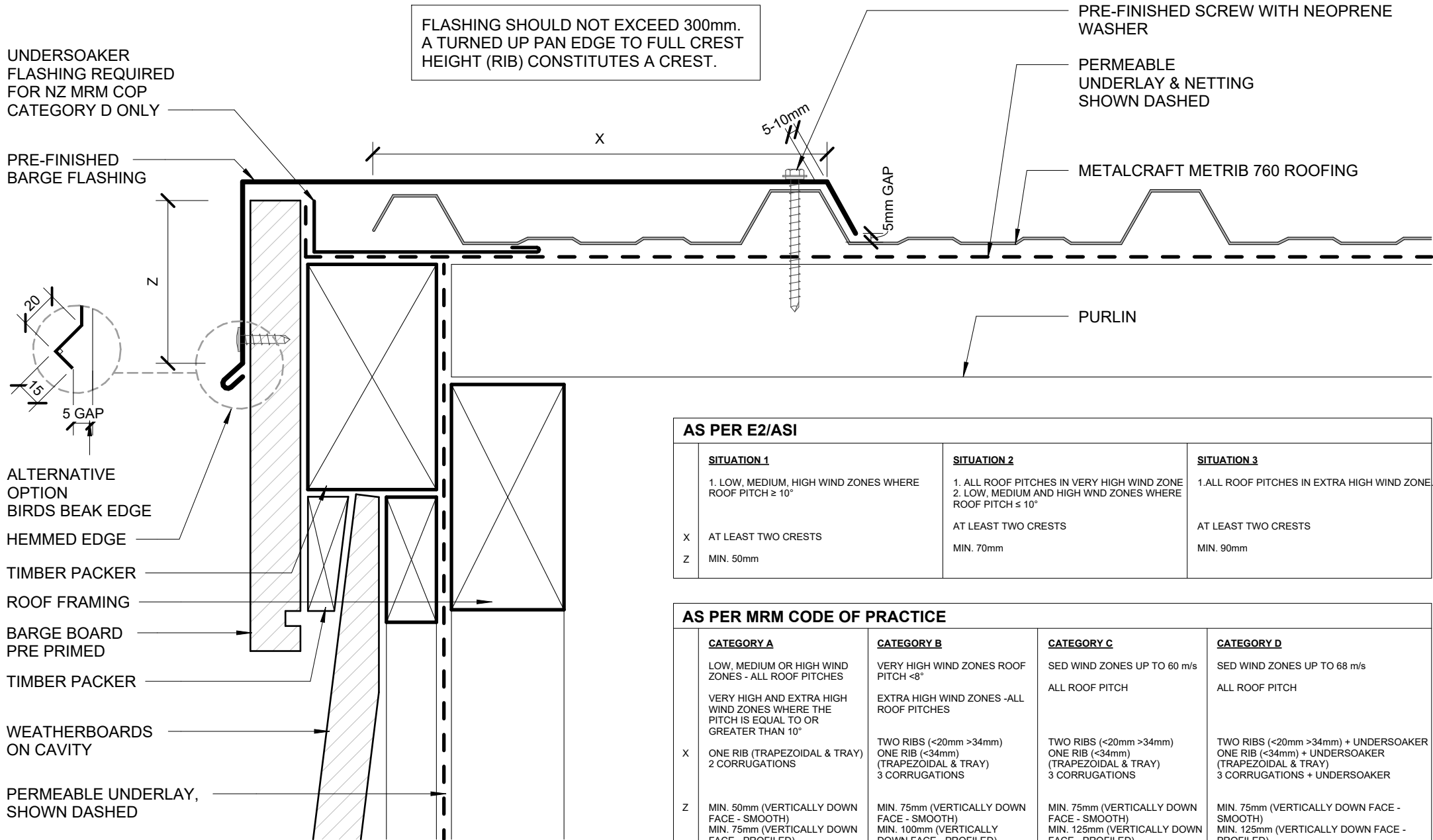
PRE-FINISHED EAVE FLASHING CUT BACK AROUND INTERNAL GUTTER BRACKETS IF REQUIRED

TIMBER PURLIN

FIXING IN ACCORDANCE WITH NZ MRM CODE OF PRACTICE

TIMBER ROOF FRAMING

SOFFIT LINING



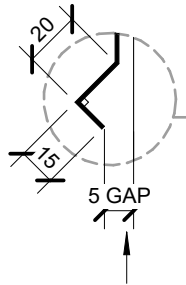
| AS PER E2/ASI | | | |
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| | 1. LOW, MEDIUM, HIGH WIND ZONES WHERE ROOF PITCH $\geq 10^\circ$ | 1. ALL ROOF PITCHES IN VERY HIGH WIND ZONE 2. LOW, MEDIUM AND HIGH WIND ZONES WHERE ROOF PITCH $\leq 10^\circ$ | 1. ALL ROOF PITCHES IN EXTRA HIGH WIND ZONE |
| X | AT LEAST TWO CRESTS | AT LEAST TWO CRESTS | AT LEAST TWO CRESTS |
| 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 WIND ZONES ROOF PITCH $< 8^\circ$ | 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 | ONE RIB (TRAPEZOIDAL & TRAY) 2 CORRUGATIONS | TWO RIBS ($< 20\text{mm} > 34\text{mm}$) ONE RIB ($< 34\text{mm}$) (TRAPEZOIDAL & TRAY) 3 CORRUGATIONS | TWO RIBS ($< 20\text{mm} > 34\text{mm}$) ONE RIB ($< 34\text{mm}$) (TRAPEZOIDAL & TRAY) 3 CORRUGATIONS | TWO RIBS ($< 20\text{mm} > 34\text{mm}$) + UNDERSOAKER ONE RIB ($< 34\text{mm}$) + UNDERSOAKER (TRAPEZOIDAL & TRAY) 3 CORRUGATIONS + UNDERSOAKER |
| 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. 75mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 125mm (VERTICALLY DOWN FACE - PROFILED) | MIN. 75mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 125mm (VERTICALLY DOWN FACE - PROFILED) |

FLASHING SHOULD NOT EXCEED 300mm.
A TURNED UP PAN EDGE TO FULL CREST HEIGHT (RIB) CONSTITUTES A CREST.

UNDERSOAKER
FLASHING REQUIRED
FOR NZ MRM COP
CATEGORY D ONLY

PRE-FINISHED 8g
WAFER-TEK SCREW



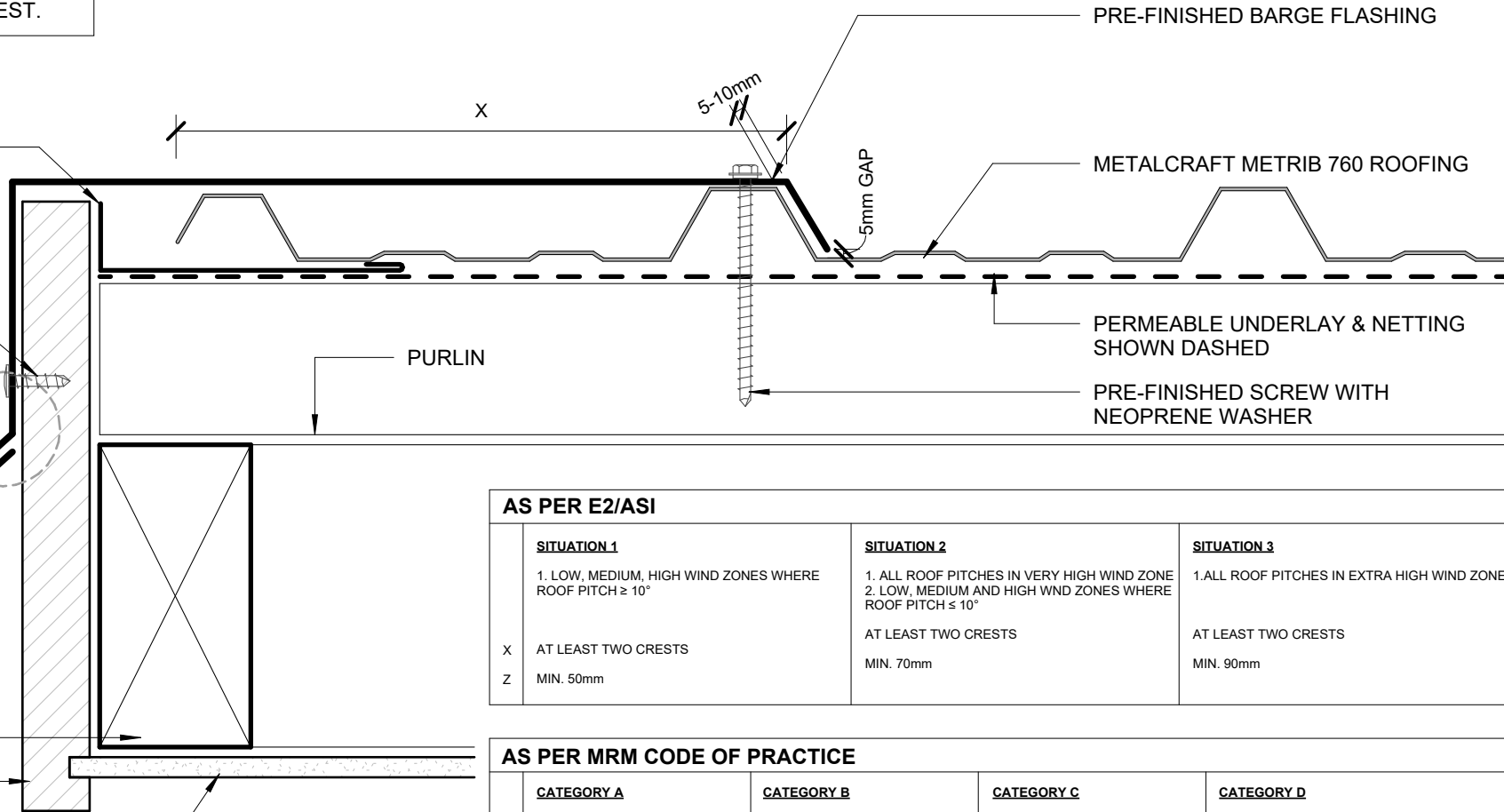
ALTERNATIVE
OPTION
BIRDS BEAK EDGE

HEMMED EDGE

FLY RAFTER

BARGE BOARD PRE
PRIMED

SOFFIT LINING

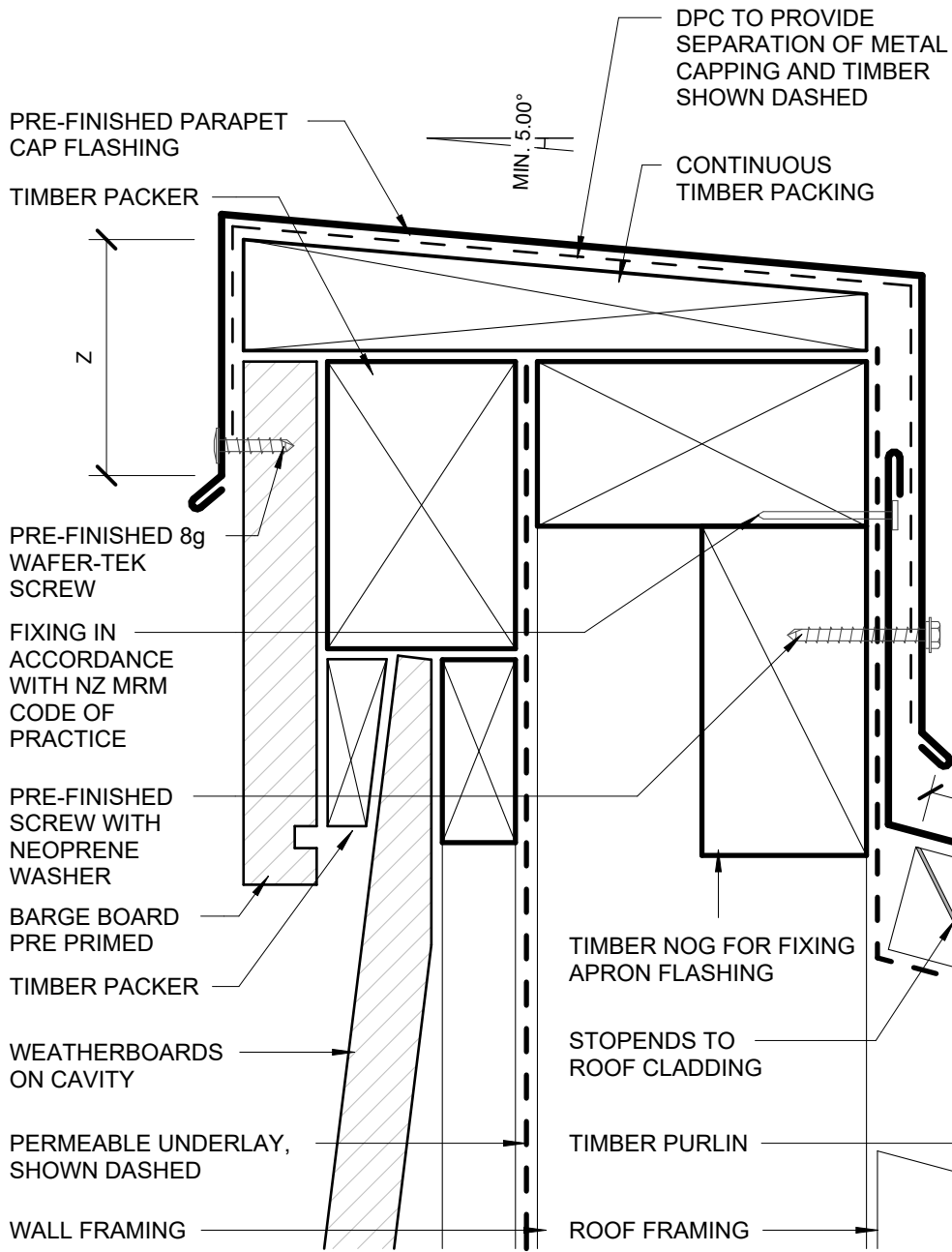


AS PER E2/ASI

| | SITUATION 1 | SITUATION 2 | SITUATION 3 |
|---|--|---|---|
| | 1. LOW, MEDIUM, HIGH WIND ZONES WHERE ROOF PITCH $\geq 10^\circ$ | 1. ALL ROOF PITCHES IN VERY HIGH WIND ZONE 2. LOW, MEDIUM AND HIGH WIND ZONES WHERE ROOF PITCH $\leq 10^\circ$ | 1. ALL ROOF PITCHES IN EXTRA HIGH WIND ZONE |
| X | AT LEAST TWO CRESTS | AT LEAST TWO CRESTS | AT LEAST TWO CRESTS |
| 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 WIND ZONES ROOF PITCH $< 8^\circ$ | 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 | ONE RIB (TRAPEZOIDAL & TRAY) 2 CORRUGATIONS | TWO RIBS ($< 20\text{mm} > 34\text{mm}$) ONE RIB ($< 34\text{mm}$) (TRAPEZOIDAL & TRAY) 3 CORRUGATIONS | TWO RIBS ($< 20\text{mm} > 34\text{mm}$) ONE RIB ($< 34\text{mm}$) (TRAPEZOIDAL & TRAY) 3 CORRUGATIONS | TWO RIBS ($< 20\text{mm} > 34\text{mm}$) + UNDERSOAKER ONE RIB ($< 34\text{mm}$) + UNDERSOAKER (TRAPEZOIDAL & TRAY) 3 CORRUGATIONS + UNDERSOAKER |
| 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. 75mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 125mm (VERTICALLY DOWN FACE - PROFILED) | MIN. 75mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 125mm (VERTICALLY DOWN FACE - PROFILED) |



AS PER E2/ASI

| | SITUATION 1 | SITUATION 2 | SITUATION 3 |
|---|---|---|---|
| | 1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH $\geq 10^\circ$ | 1. VERY HIGH WIND ZONE 2. LOW, MEDIUM AND HIGH WIND ZONES WHERE ROOF PITCHES $\leq 10^\circ$ | 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 WIND ZONES ROOF PITCH $< 8^\circ$ | 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 |
| 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. 150mm | MIN. 200mm | MIN. 200mm + BAFFLE (REFER NZ MRM COP) | MIN. 200mm + BAFFLE (REFER NZ MRM COP) |
| Z | 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) |

MIN. ROOF PITCH AS PER MRM COP

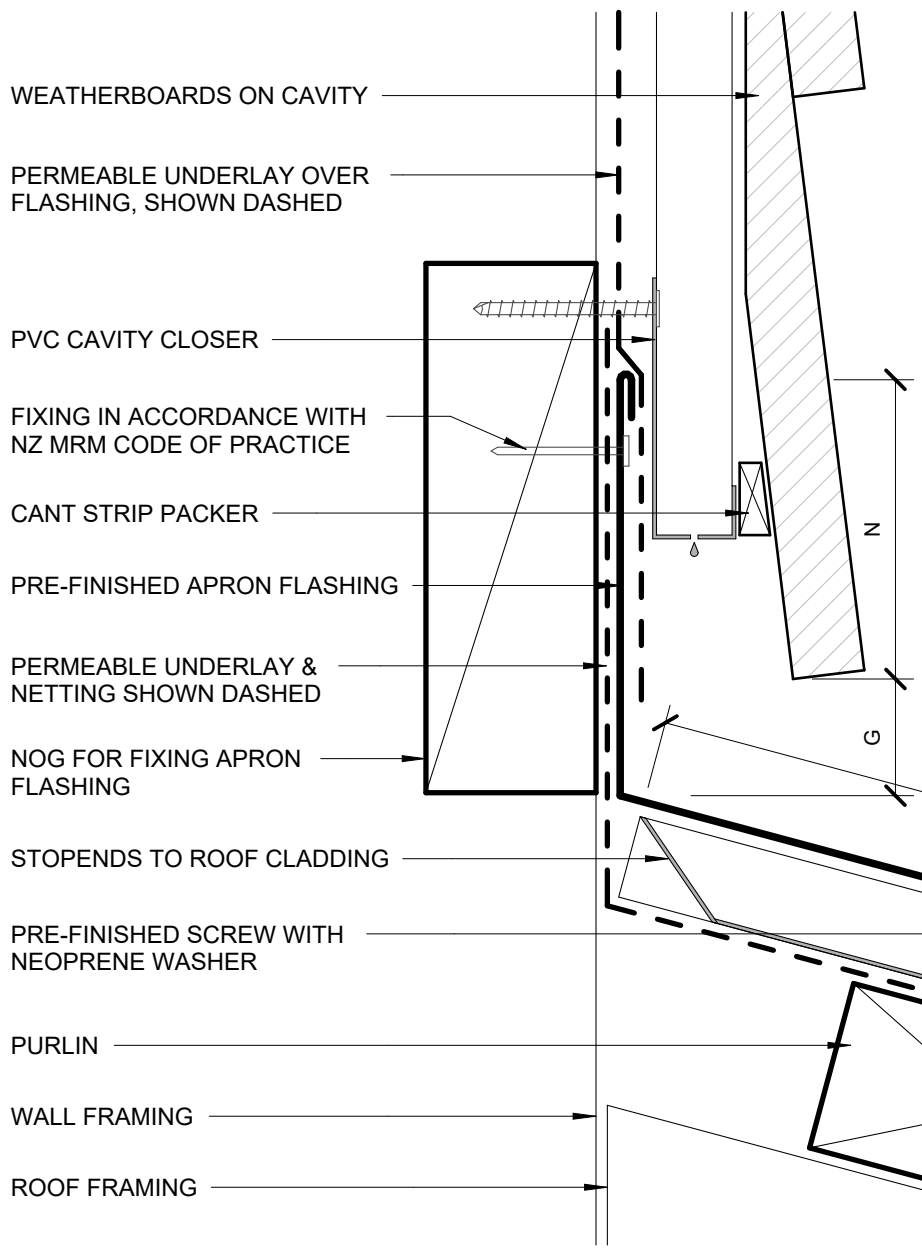
PRE-FINISHED APRON FLASHING

SOFT EDGE OR NOTCHED DRESSED OVER METRIB 760 RIBS

METALCRAFT METRIB 760 ROOFING

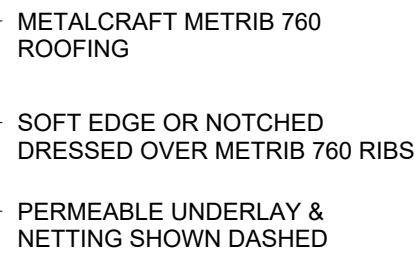
PRE-FINISHED SCREW WITH NEOPRENE WASHER

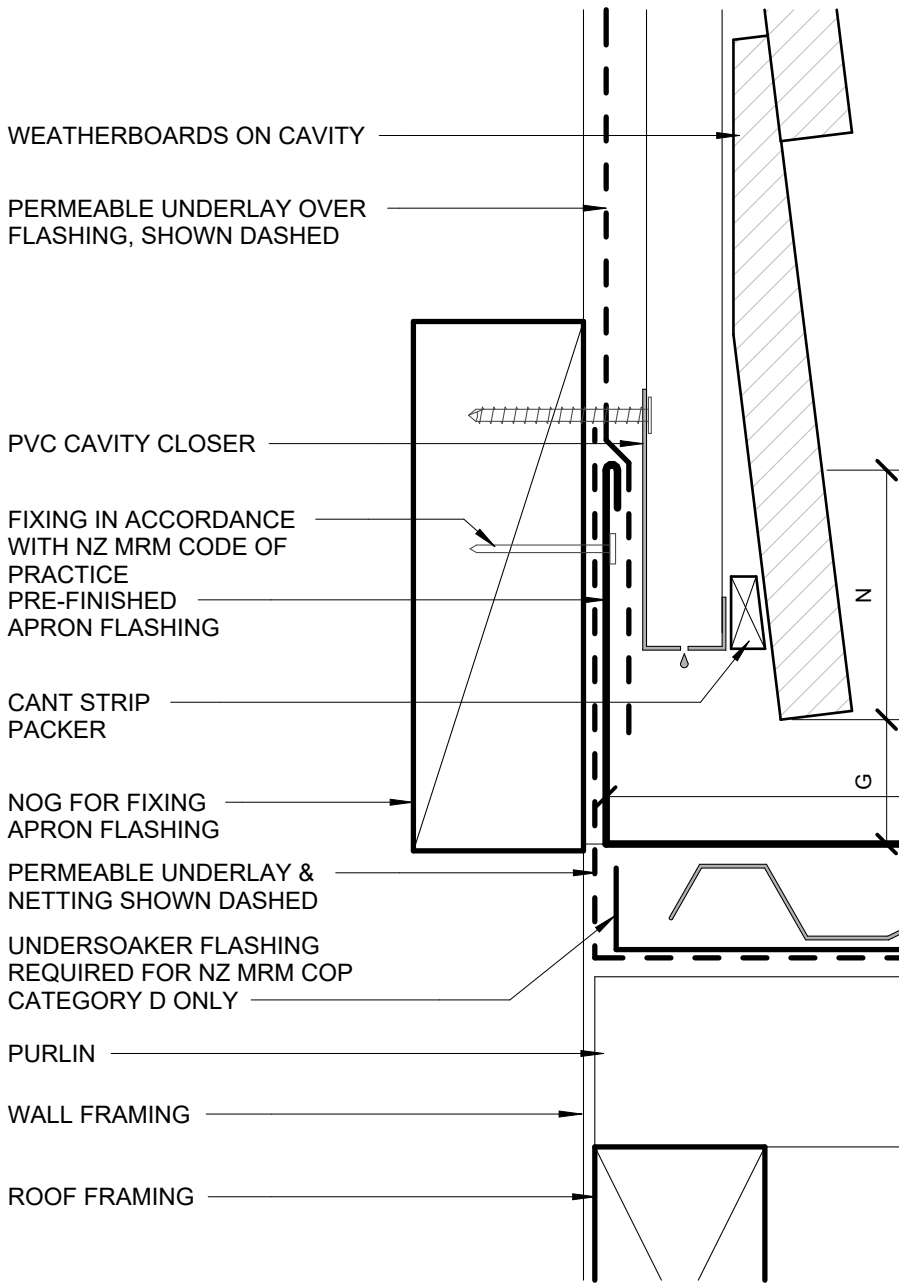
PERMEABLE UNDERLAY SHOWN DASHED



| AS PER E2/ASI | | | |
|---------------|---|---|---|
| | SITUATION 1 | SITUATION 2 | SITUATION 3 |
| | 1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH $\geq 10^\circ$ | 1. ALL ROOF PITCHES IN VERY HIGH WIND ZONES 2. LOW, MEDIUM, AND HIGH WIND ZONES WHERE ROOF PITCH $\leq 10^\circ$ | 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 $< 8^\circ$ 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 QR 75mm (VERTICALLY UP FACE - SMOOTH) MIN. 75mm + HEM QR 100mm (VERTICALLY UP FACE - PROFILED) | MIN. 75mm + HEM QR 100mm (VERTICALLY UP FACE - SMOOTH) MIN. 100mm + HEM QR 125mm (VERTICALLY UP FACE - PROFILED) | MIN. 100mm + HEM QR 125mm (VERTICALLY UP FACE - SMOOTH) MIN. 125mm + HEM (VERTICALLY UP FACE - PROFILED) | MIN. 100mm + HEM QR 125mm (VERTICALLY UP FACE - SMOOTH) MIN. 125mm + HEM (VERTICALLY UP FACE - PROFILED) |
| L | MIN. 150mm | MIN. 200mm | MIN. 200mm + BAFFLE (REFER NZ MRM COP) | MIN. 200mm + BAFFLE (REFER NZ MRM COP) |





AS PER E2/ASI

| | SITUATION 1 | SITUATION 2 | SITUATION 3 |
|---|---|--|---|
| | 1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH $\geq 10^\circ$ | 1. ALL ROOF PITCHES IN VERY HIGH WIND ZONE 2. LOW, MEDIUM, AND HIGH WIND ZONES WHERE ROOF PITCH $\leq 10^\circ$ | 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 |

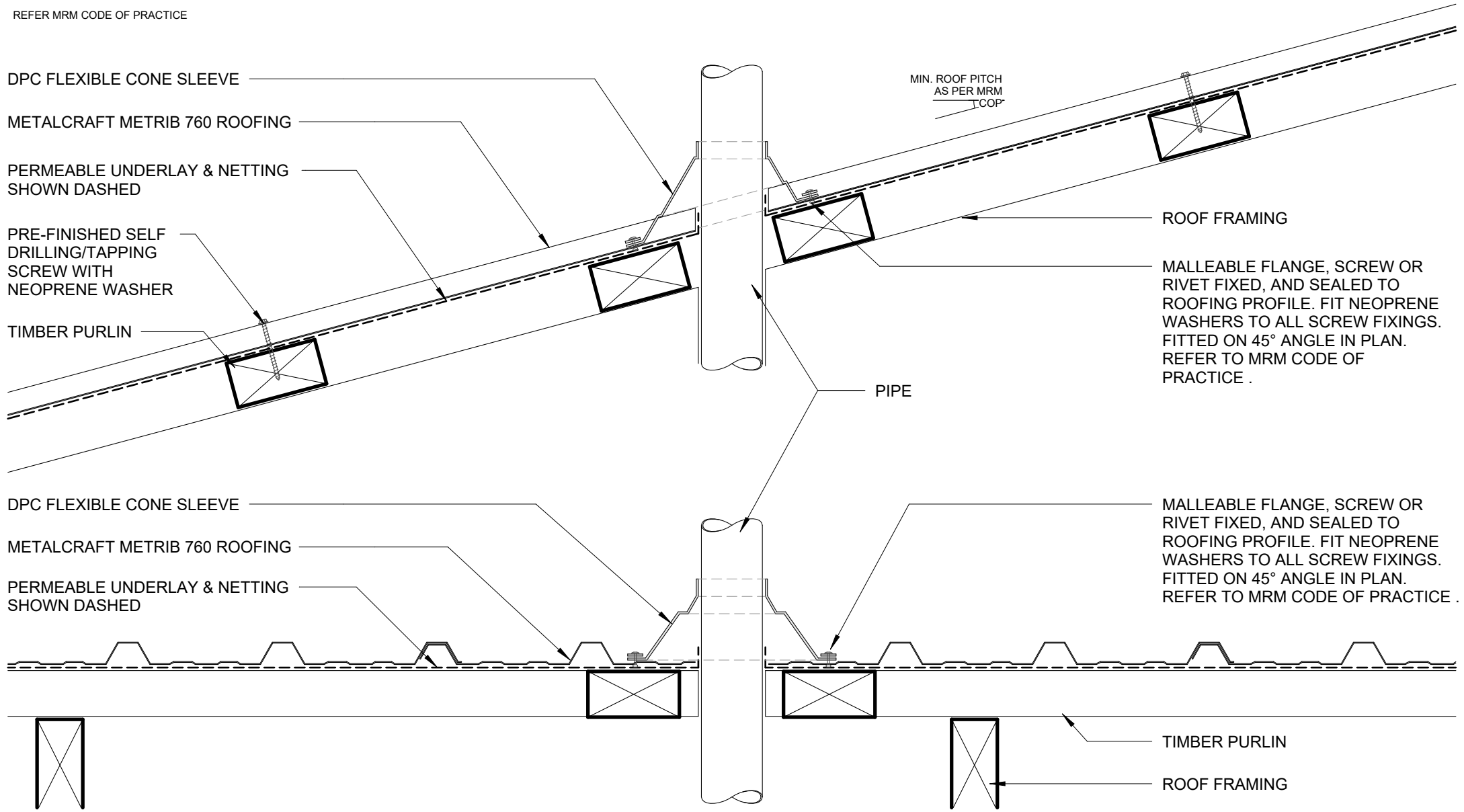
AS PER MRM CODE OF PRACTICE

| | 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 $< 8^\circ$ 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 | ONE RIB (TRAPEZOIDAL & TRAY) 2 CORRUGATIONS | TWO RIBS ($< 20\text{mm} > 34\text{mm}$) ONE RIB ($< 34\text{mm}$) (TRAPEZOIDAL & TRAY) 3 CORRUGATIONS | TWO RIBS ($< 20\text{mm} > 34\text{mm}$) ONE RIB ($< 34\text{mm}$) (TRAPEZOIDAL & TRAY) 3 CORRUGATIONS | TWO RIBS ($< 20\text{mm} > 34\text{mm}$) + UNDERSOAKER ONE RIB ($< 34\text{mm}$) + UNDERSOAKER (TRAPEZOIDAL & TRAY) 3 CORRUGATIONS + UNDERSOAKER |

FLASHING SHOULD NOT EXCEED 300mm. A TURNED UP PAN EDGE TO FULL CREST HEIGHT (RIB) CONSTITUTES A CREST.

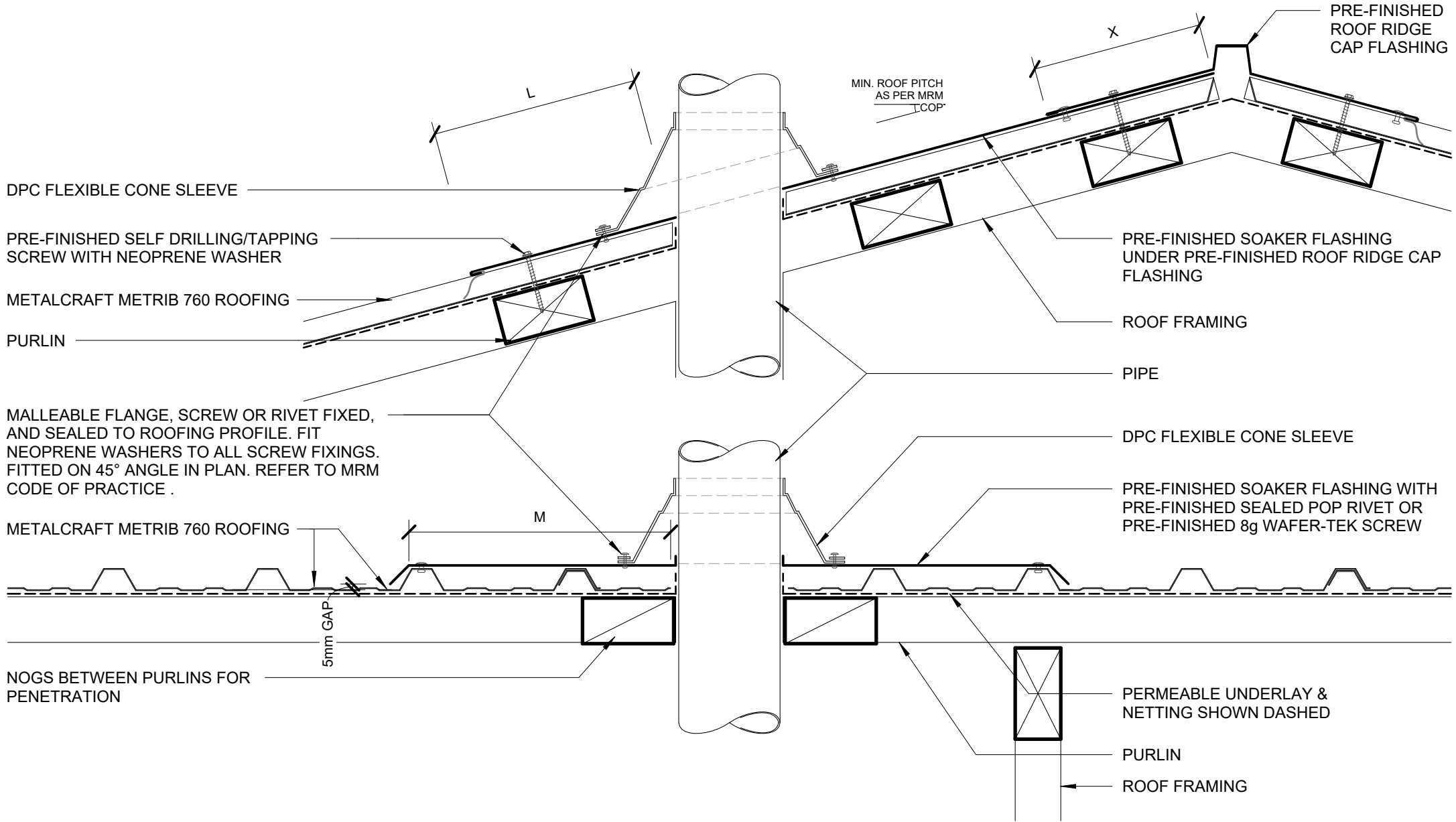
* MIN. 10° FOR PIPE PENETRATION. DIRECT FIX BOOT FLASHING IS APPLICABLE FOR WHEN LESS THAN 50% BLOCKAGE OCCURS. WHEN EXCEEDING 50% BLOCKAGE, REFER TO BACK TRAY BOOT FLASHING

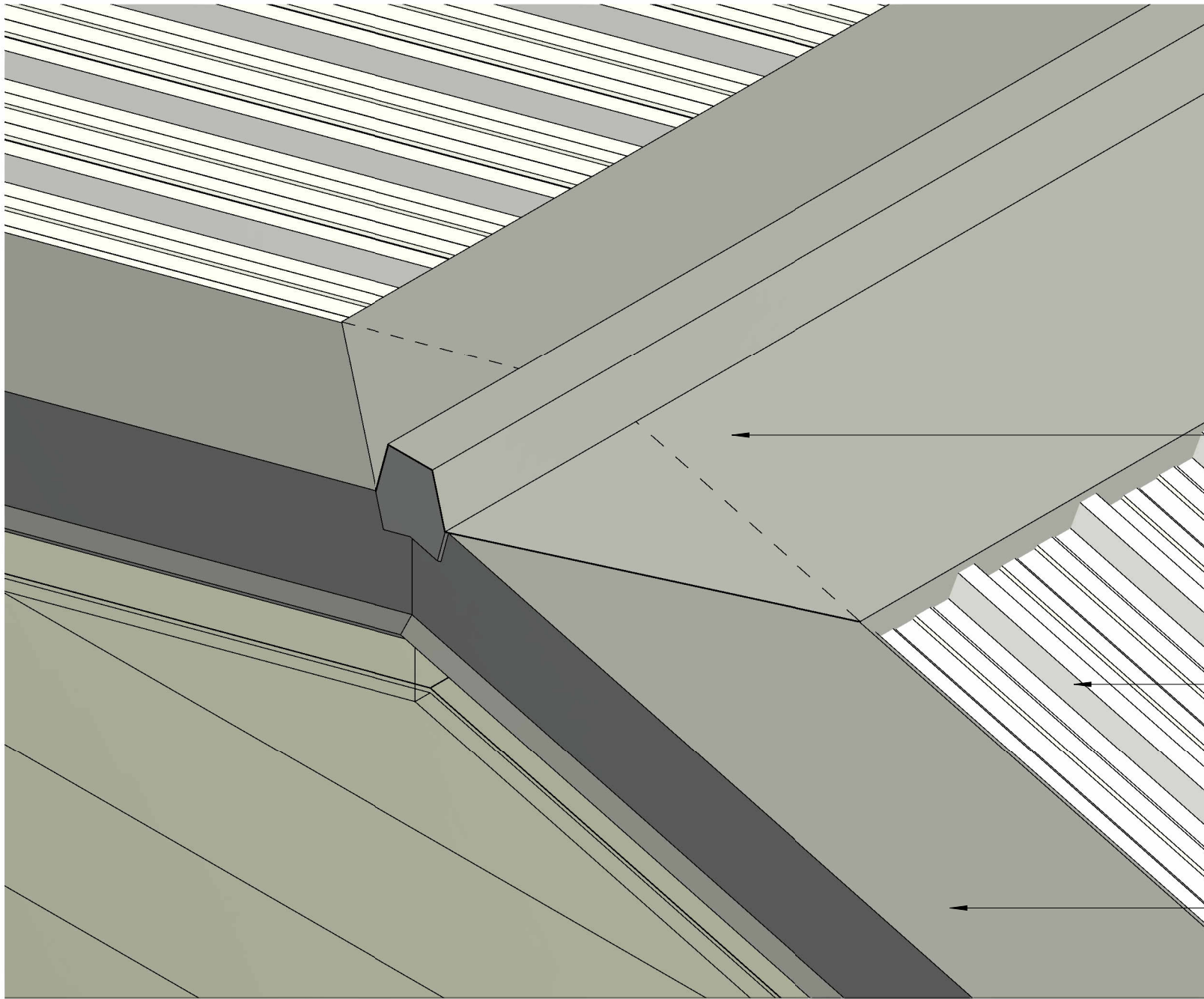
REFER MRM CODE OF PRACTICE



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

REFER MRM CODE OF PRACTICE





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

PRE-FINISHED RIDGE CAP FLASHING

METALCRAFT METRIB 760 ROOFING

PRE-FINISHED BARGE FLASHING

3D RIDGE TO BARGE JUNCTION
RESIDENTIAL ROOFING

PRE-FINISHED BARGE FLASHING

PRE-FINISHED HIP FLASHING

PRE-FINISHED APRON FLASHING

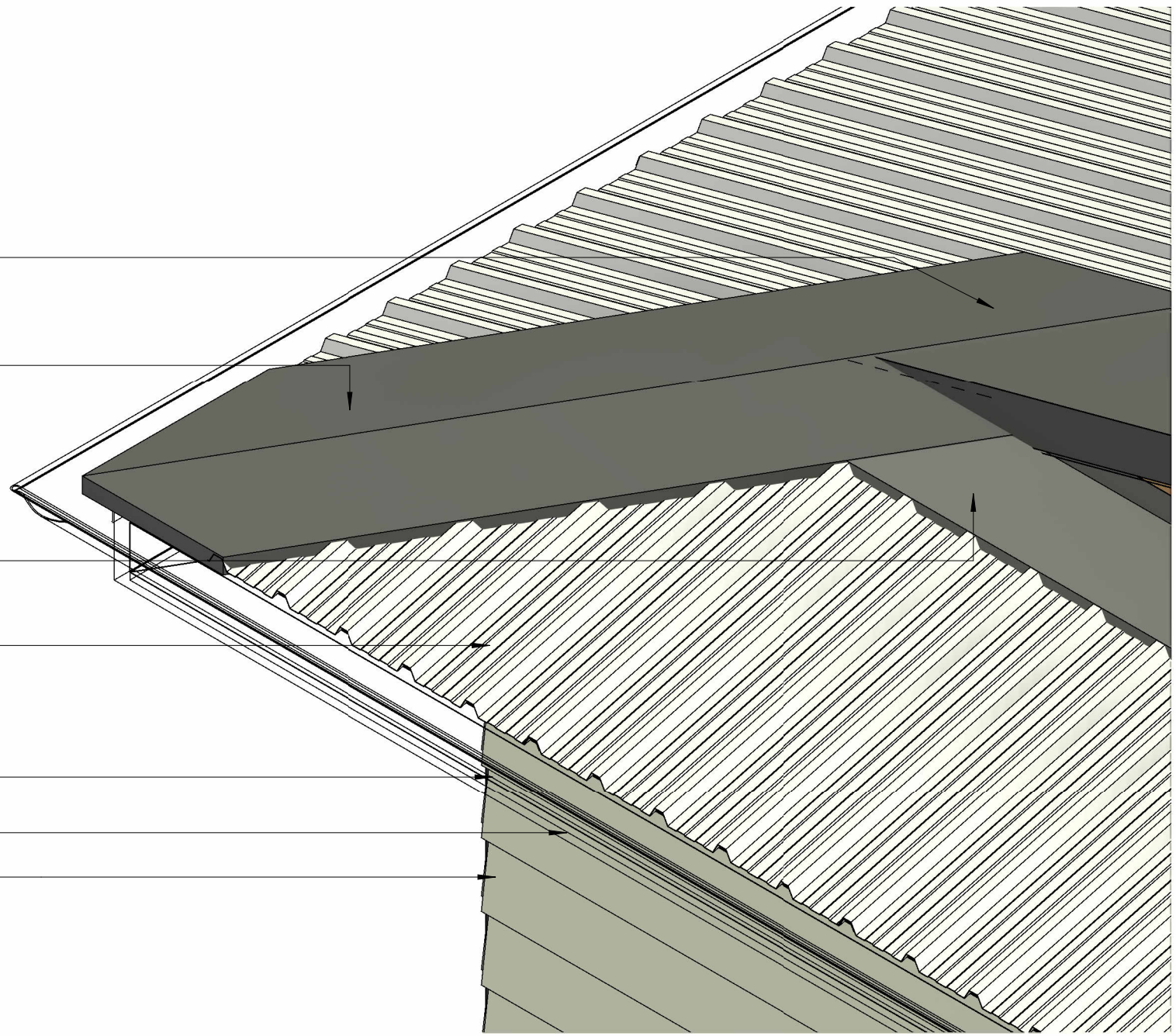
METALCRAFT METRIB 760 ROOFING TURN DOWN INTO GUTTER. REFER TO EAVE DETAILS FOR MINIMUM ROOF OVERHANG

GUTTER

FASCIA BOARD PRE PRIMED

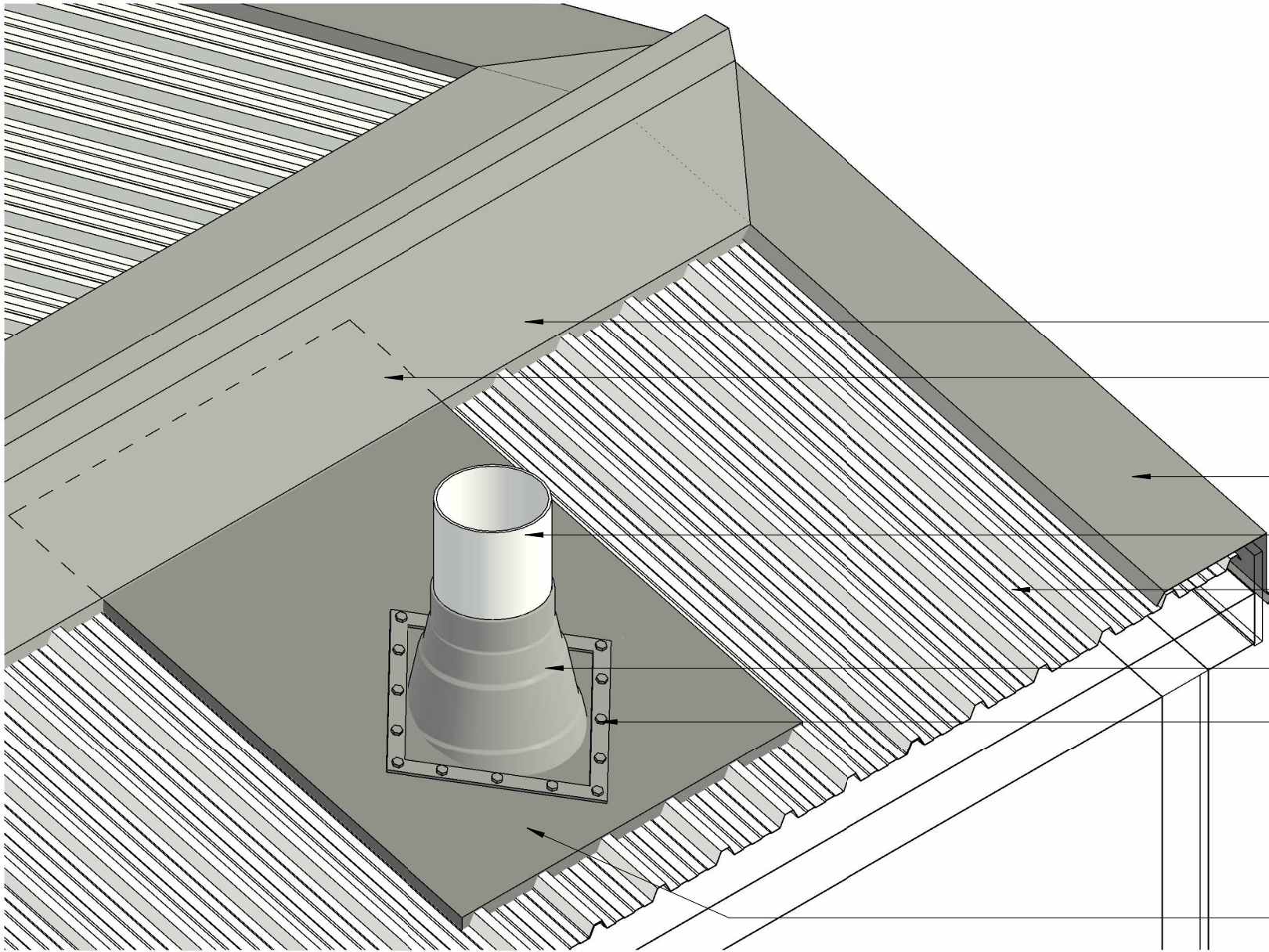
WALL CLADDING ON CAVITY

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



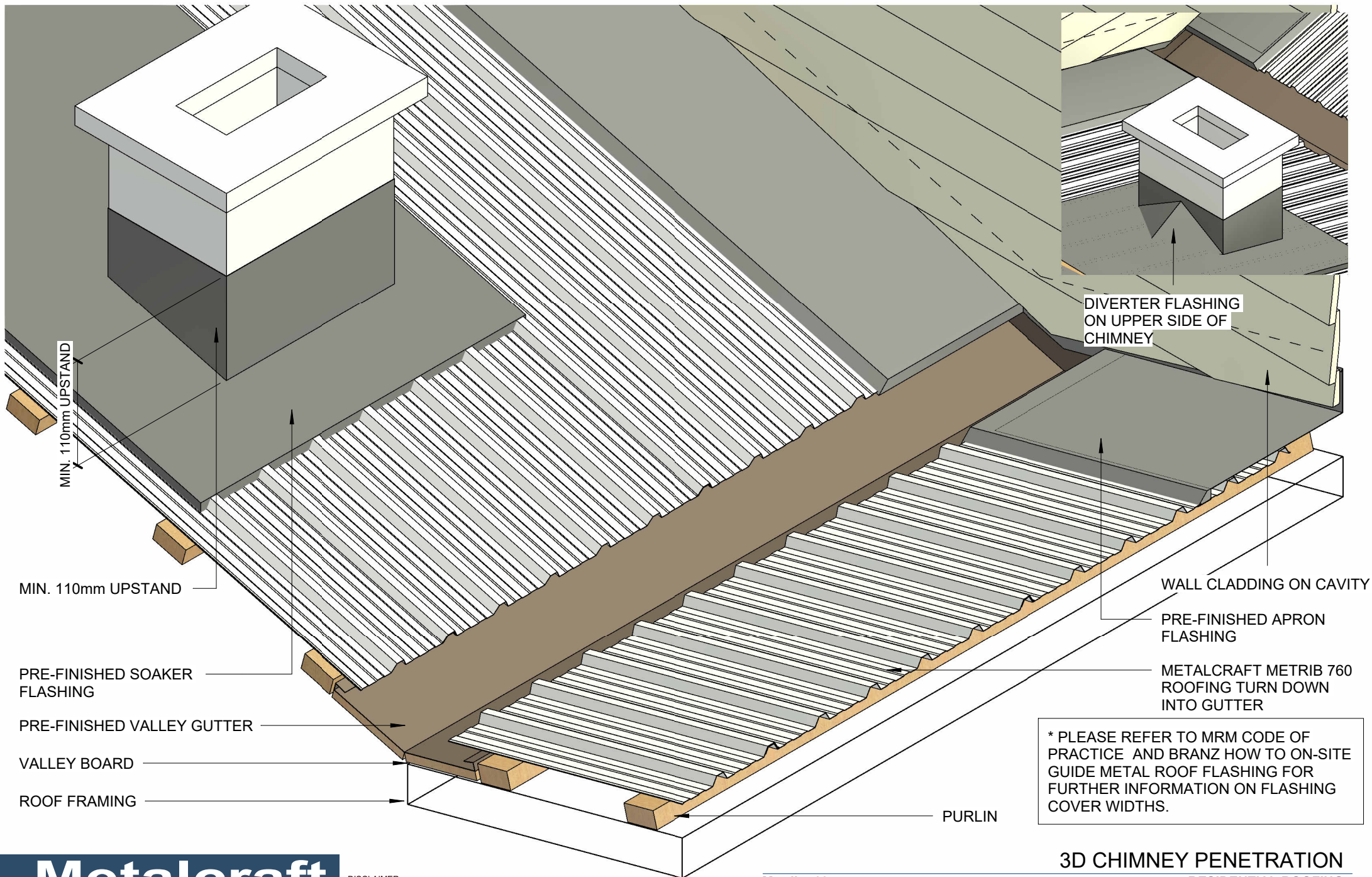


* PLEASE REFER TO MRM CODE OF PRACTICE AND BRANZ HOW TO ON-SITE GUIDE METAL ROOF FLASHING FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS.

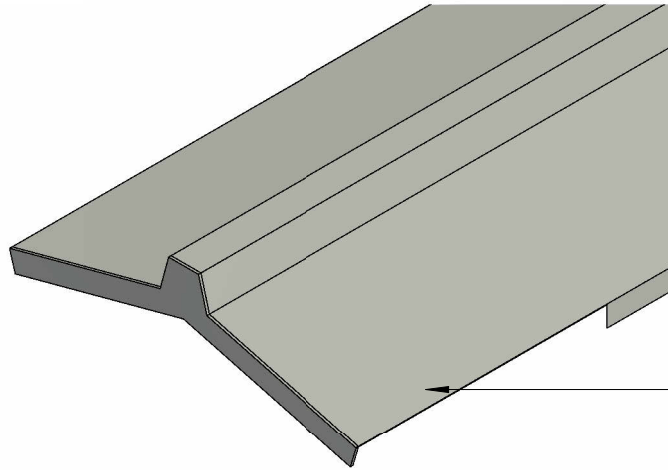


* PLEASE REFER TO MRM CODE OF PRACTICE AND BRANZ HOW TO ON-SITE GUIDE METAL ROOF FLASHING FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS.

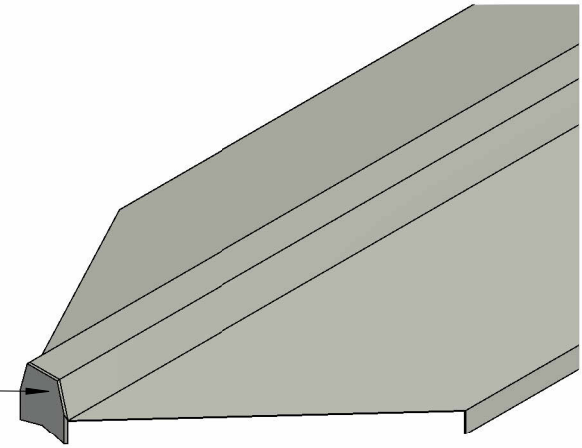
- PRE-FINISHED ROOF RIDGE FLASHING
- PRE-FINISHED SOAKER FLASHING LINE UNDER PRE-FINISHED ROOF RIDGE FLASHING
- PRE-FINISHED ROOF BARGE FLASHING
- PIPE
- METALCRAFT METRIB 760 ROOFING
- DPC FLEXIBLE CONE SLEEVE
- MALLEABLE FLANGE, SCREW OR RIVET FIXED, AND SEALED TO ROOFING PROFILE. FIT NEOPRENE WASHERS TO ALL SCREW FIXINGS. FITTED ON 45° ANGLE IN PLAN. REFER TO MRM CODE OF PRACTICE
- PRE-FINISHED SOAKER FLASHING



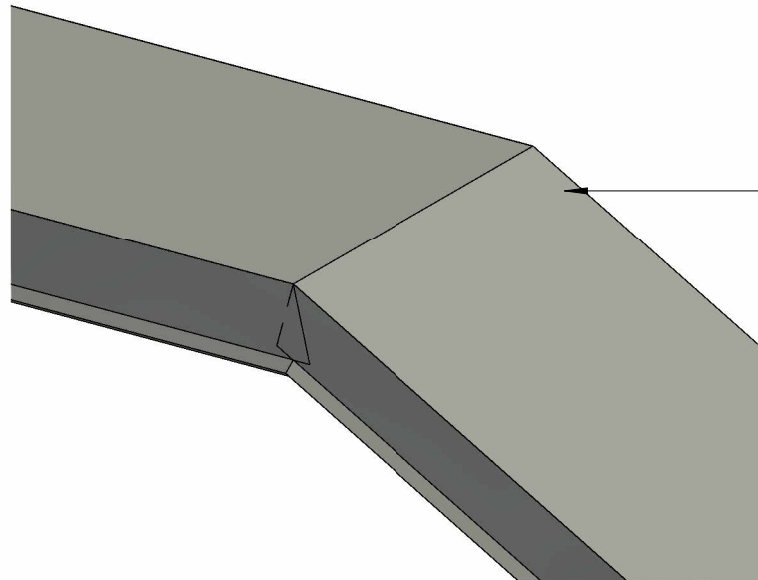
OPTION 1



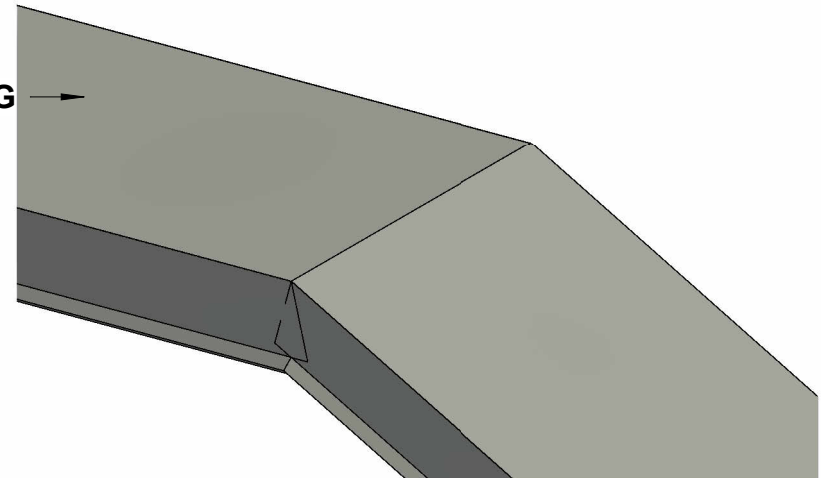
OPTION 2



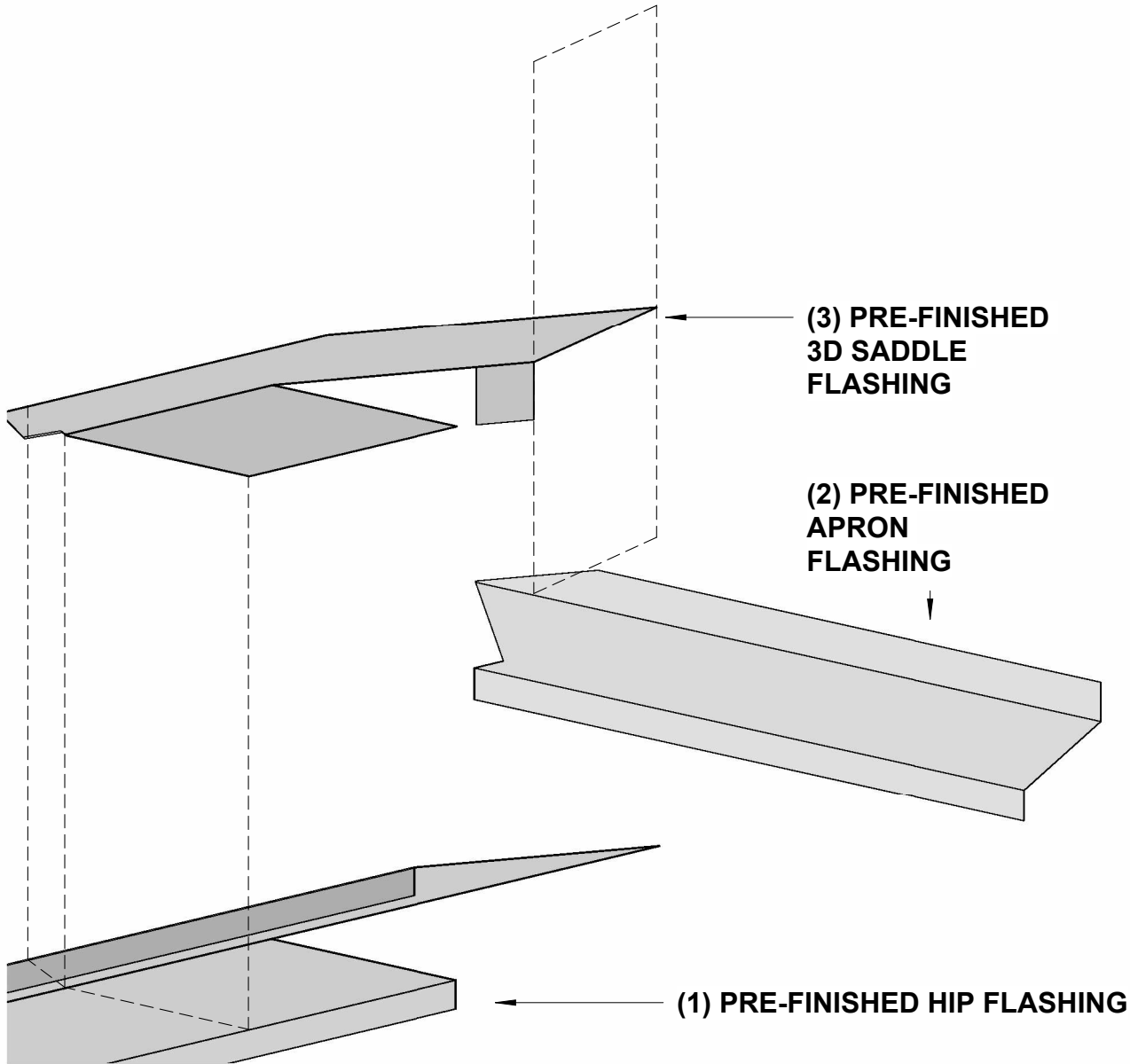
RIDGE CAP FLASHING



BARGE FLASHING



3D RIDGE/BARGE FLASHINGS



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

