

T - Rib

RESIDENTIAL ROOFING

<u>DETAIL LIST</u>	<u>Revision</u>	<u>Date</u>
A 00 / 26	COVER SHEET	
A 01 / 26	ROOF RIDGE	3.0 SEP 2024
A 02 / 26	ROOF RIDGE (ROUND)	3.0 SEP 2024
A 03 / 26	SAWTOOTH RIDGE	3.0 SEP 2024
A 04 / 26	SAWTOOTH EAVE	3.0 SEP 2024
A 05 / 26	ROOF VALLEY	3.0 SEP 2024
A 06 / 26	ASYMMETRICAL ROOF VALLEY	3.0 SEP 2024
A 07 / 26	INTERNAL GUTTER	3.0 SEP 2024
A 08 / 26	PARALLEL HIDDEN GUTTER	3.0 SEP 2024
A 09 / 26	PARALLEL HIDDEN GUTTER (2 PART FLASHING)	3.0 SEP 2024
A 10 / 26	ROOF - CHANGE PITCH	3.0 SEP 2024
A 11 / 26	MANSARD	3.0 SEP 2024
A 12 / 26	EAVE WITH SNOW STRAP	3.0 SEP 2024
A 13 / 26	BARGE WITH NO SOFFIT	3.0 SEP 2024
A 14 / 26	BARGE WITH SOFFIT	3.0 SEP 2024

<u>DETAIL LIST</u>	<u>Revision</u>	<u>Date</u>
A 15 / 26	PARAPET WITH TRANSVERSE APRON	3.0 SEP 2024
A 16 / 26	TRANSVERSE APRON	3.0 SEP 2024
A 17 / 26	PARALLEL APRON	3.0 SEP 2024
A 18 / 26	PIPE PENETRATION DIRECT FIXED BOOT FLASHING	3.0 SEP 2024
A 19 / 26	PIPE PENETRATION BACK TRAY BOOT FLASHING	3.0 SEP 2024
A 20 / 26	3D RIDGE TO BARGE JUNCTION	3.0 SEP 2024
A 21 / 26	3D DUTCH GABLE	3.0 SEP 2024
A 22 / 26	3D APRON	3.0 SEP 2024
A 23 / 26	BACK TRAY PENETRATION	3.0 SEP 2024
A 24 / 26	3D CHIMNEY PENETRATION	3.0 SEP 2024
A 25 / 26	3D RIDGE/BARGE FLASHINGS	3.0 SEP 2024
A 26 / 26	3D DUTCH GABLE FLASHINGS	3.0 SEP 2024

PRE-FINISHED RIDGE CAP FLASHING

STOPENDS TO ROOF CLADDING

METALCRAFT T-RIB
ROOFING

PRE-FINISHED SCREW
WITH NEOPRENE
WASHER

SOFT EDGE OR
NOTCHED DRESSED
OVER T-RIB RIBS

PURLIN

ROOF FRAMING

PERMEABLE UNDERLAY &
NETTING SHOWN DASHED

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)

* T-RIB MIN. ROOF PITCH =
3°

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)

PRE-FINISHED ROUND RIDGE CAP
FLASHING

STOPENDS TO ROOF CLADDING

METALCRAFT T-RIB
ROOFING

PRE-FINISHED SCREW
WITH NEOPRENE
WASHER

SOFT EDGE OR
NOTCHED DRESSED
OVER T-RIB RIBS

PURLIN

ROOF FRAMING

PERMEABLE UNDERLAY
& NETTING SHOWN
DASHED

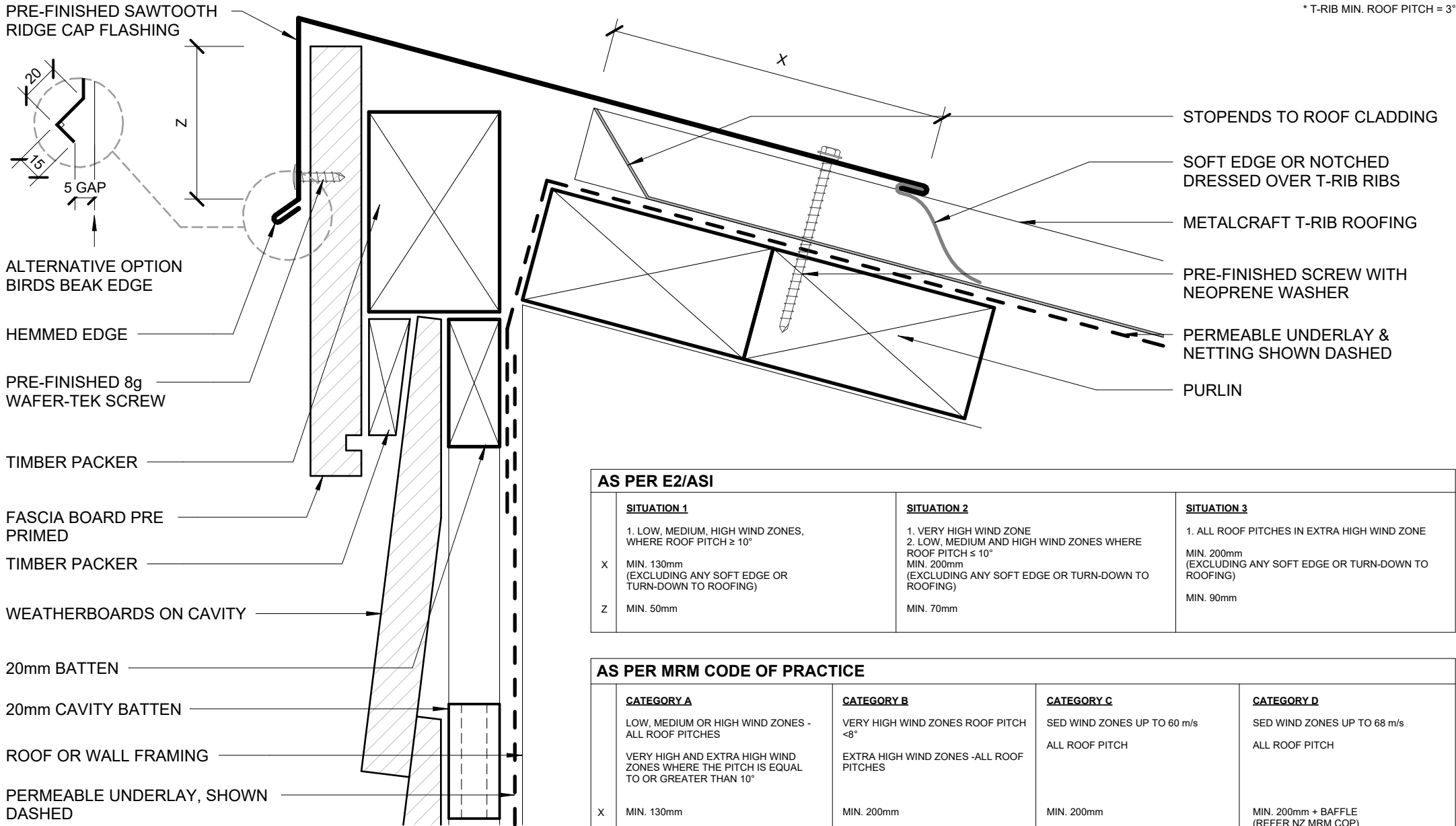
AS PER E2/ASI

	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)

* T-RIB MIN. ROOF PITCH = 3°

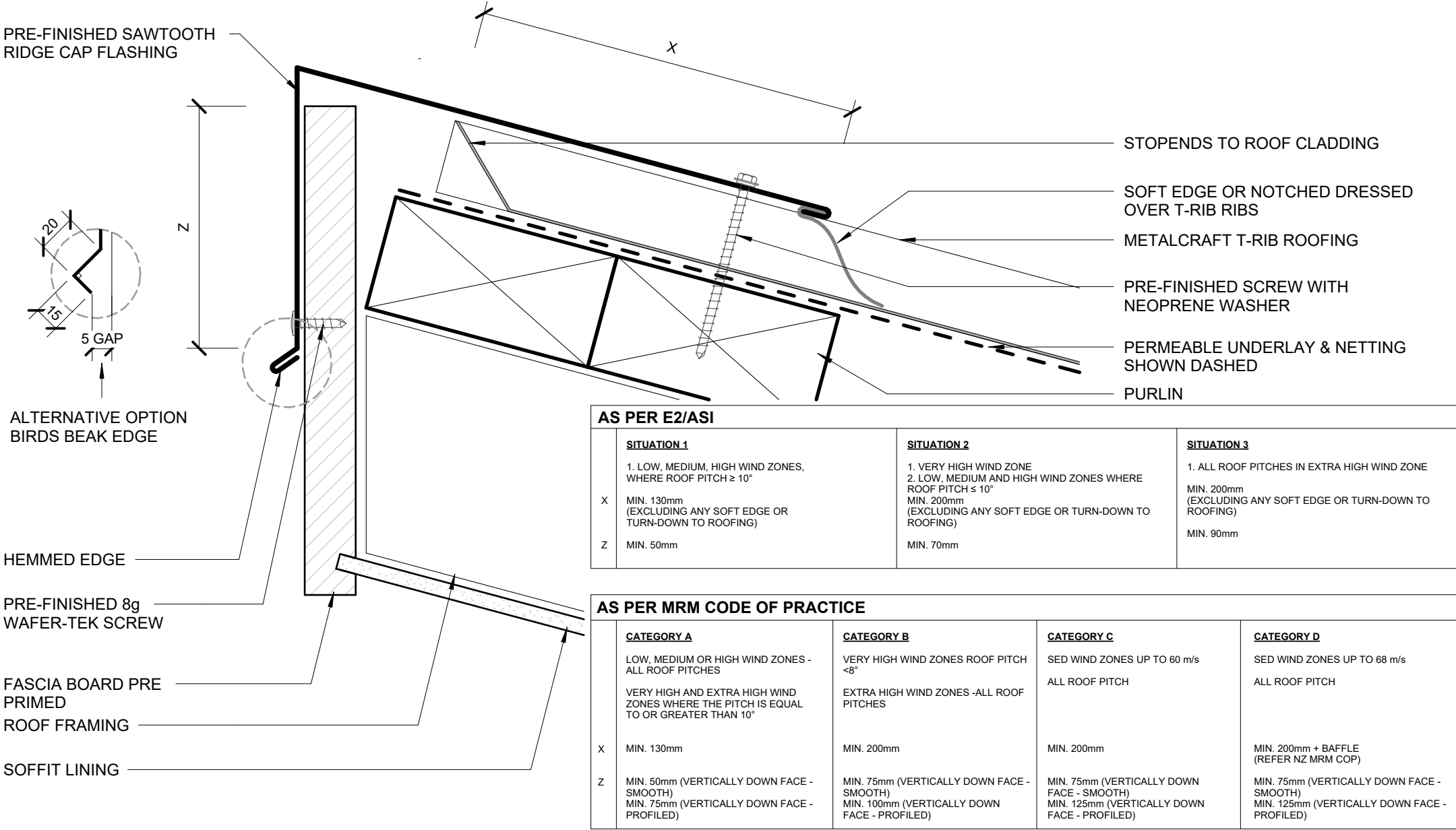
AS PER MRM CODE OF PRACTICE

	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			
	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. 130mm	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)

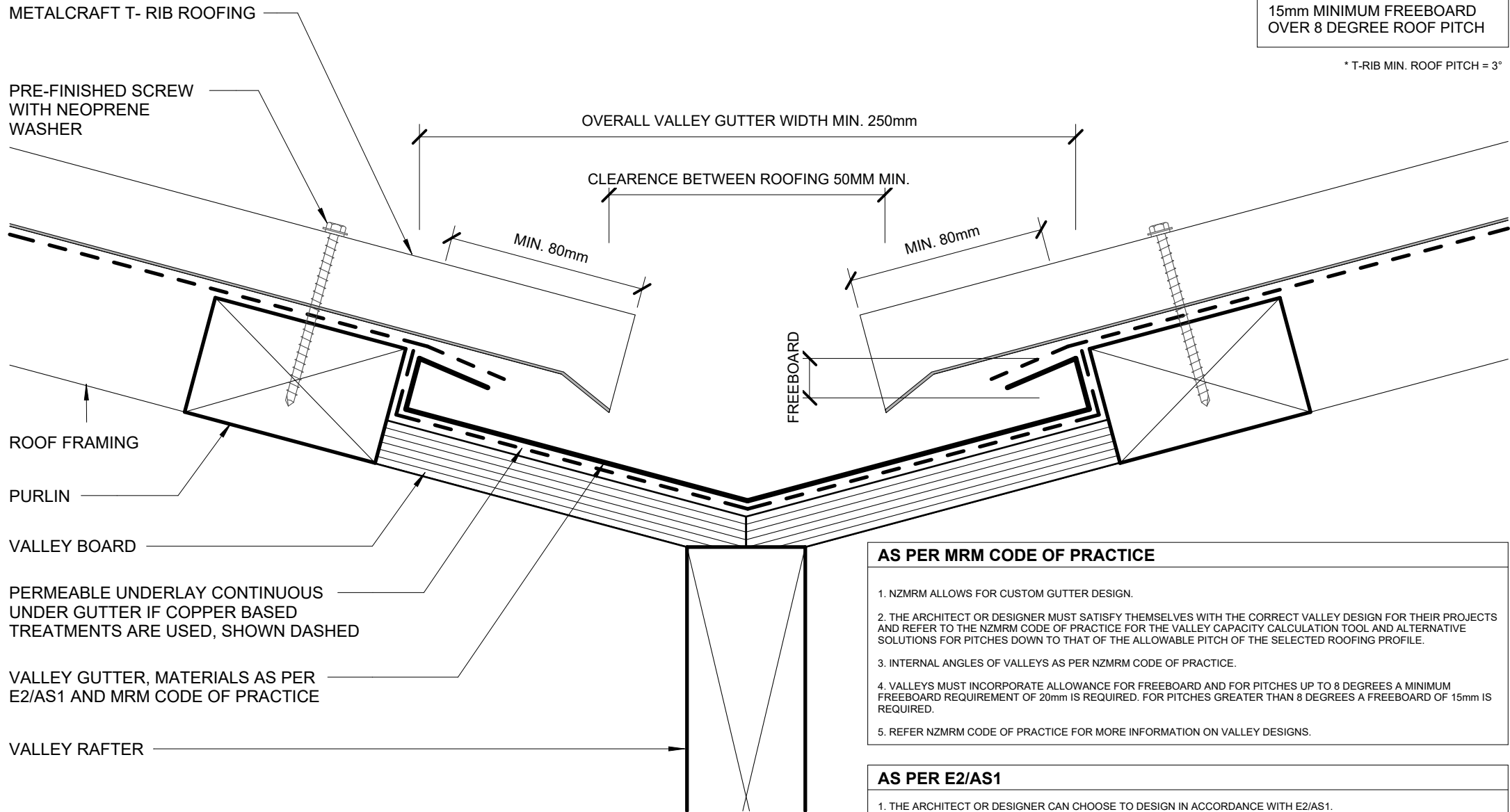


VALLEYS =

20mm MINIMUM FREEBOARD
UP TO 8 DEGREE ROOF PITCH

15mm MINIMUM FREEBOARD
OVER 8 DEGREE ROOF PITCH

* T-RIB MIN. ROOF PITCH = 3°



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.

* T-RIB MIN. ROOF PITCH = 3°

METALCRAFT T-RIB ROOFING

PRE-FINISHED SCREW
WITH NEOPRENE
WASHER

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°.

ROOF FRAMING

PURLIN

VALLEY BOARD

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

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

VALLEY RAFTER

VALLEYS =

20mm MINIMUM FREEBOARD
UP TO 8 DEGREE ROOF PITCH

15mm MINIMUM FREEBOARD
OVER 8 DEGREE ROOF PITCH

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.

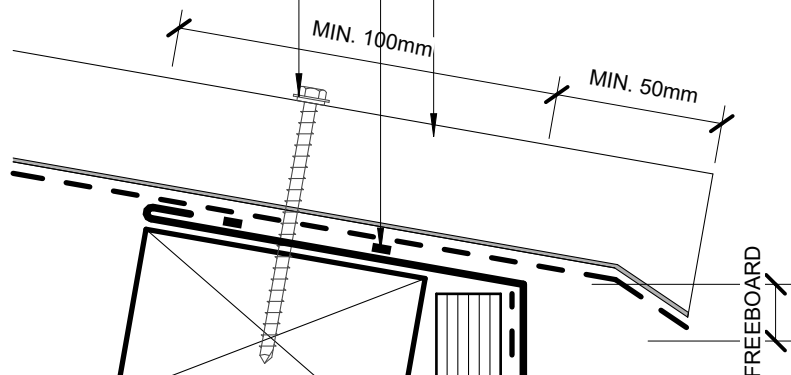
AS PER E2/AS1

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

METALCRAFT T-RIB ROOFING

SEPARATION OF BUTYL
GUTTER AND METAL
ROOFING WITH LAP SEAL
TAPE

PRE-FINISHED
SCREW WITH
NEOPRENE WASHER



PURLIN

ROOF FRAMING

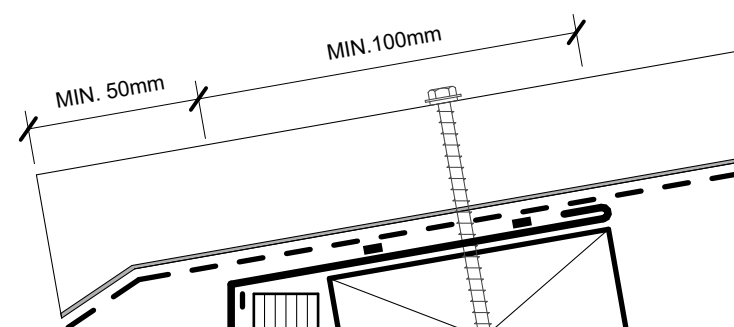
TIMBER FILLET

GUTTER BOARD

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

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

VALLEY RAFTER

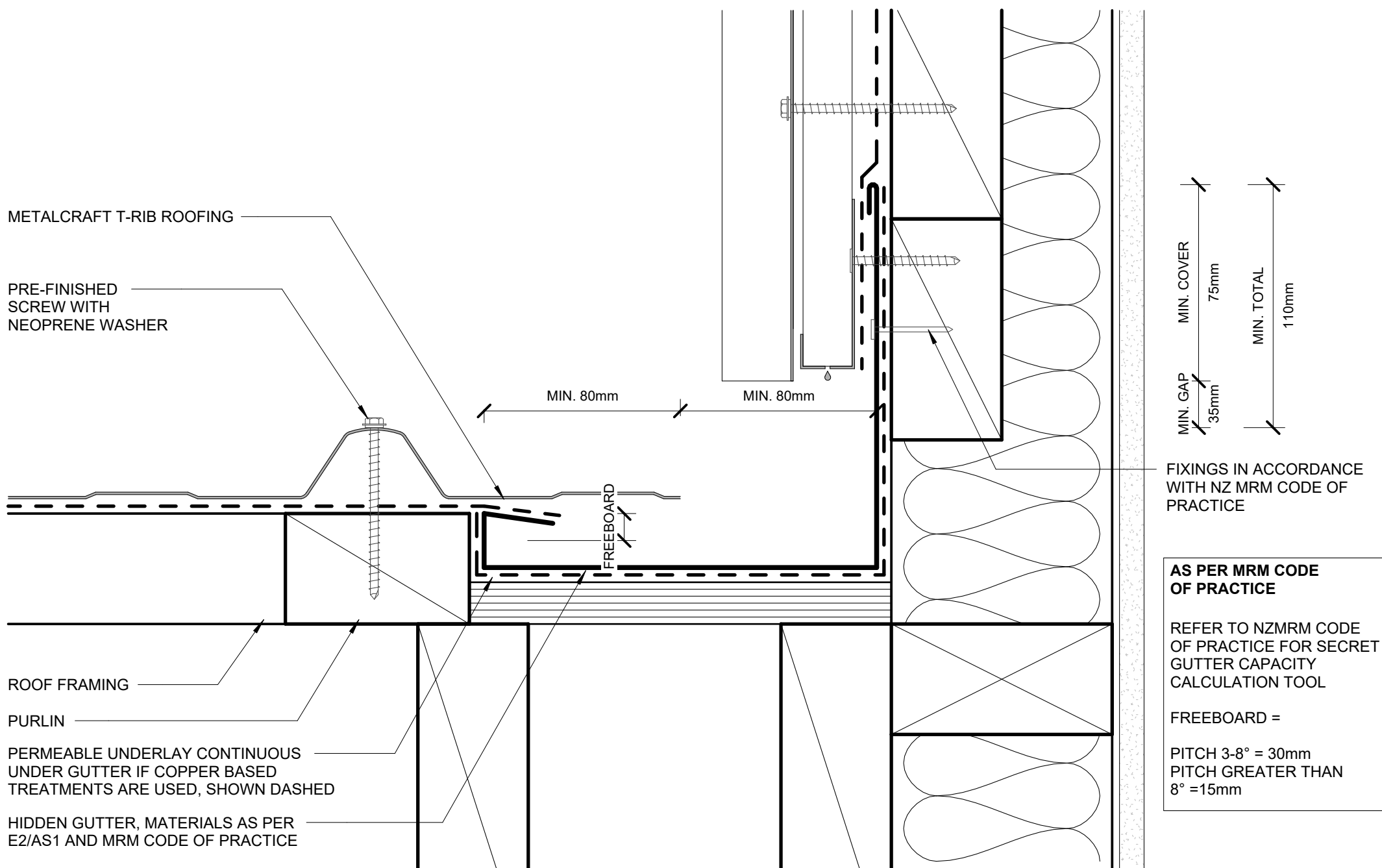


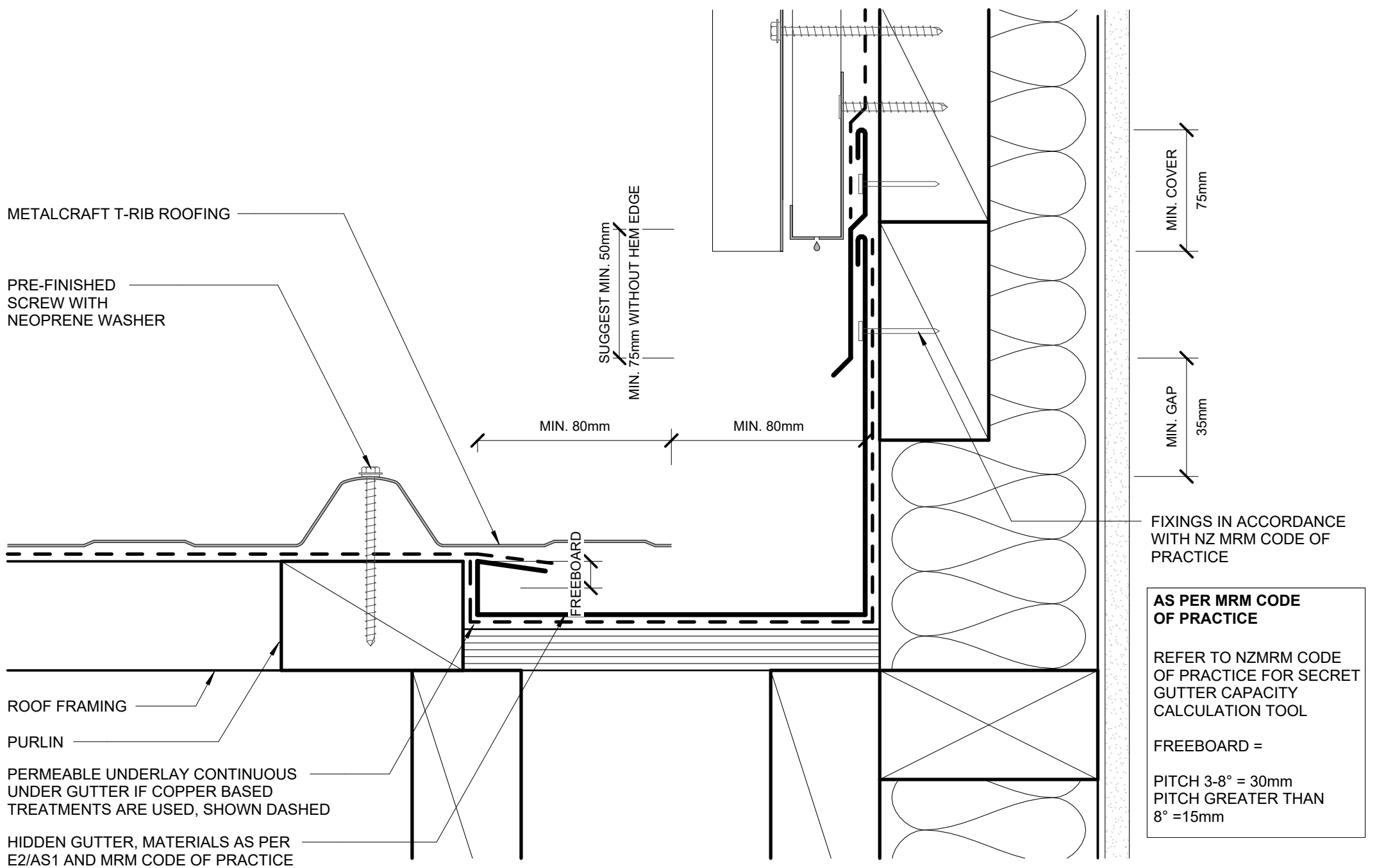
AS PER MRM CODE OF PRACTICE

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.





PARALLEL HIDDEN GUTTER (2 PART FLASHING)

T - Rib

Rev. 3.0

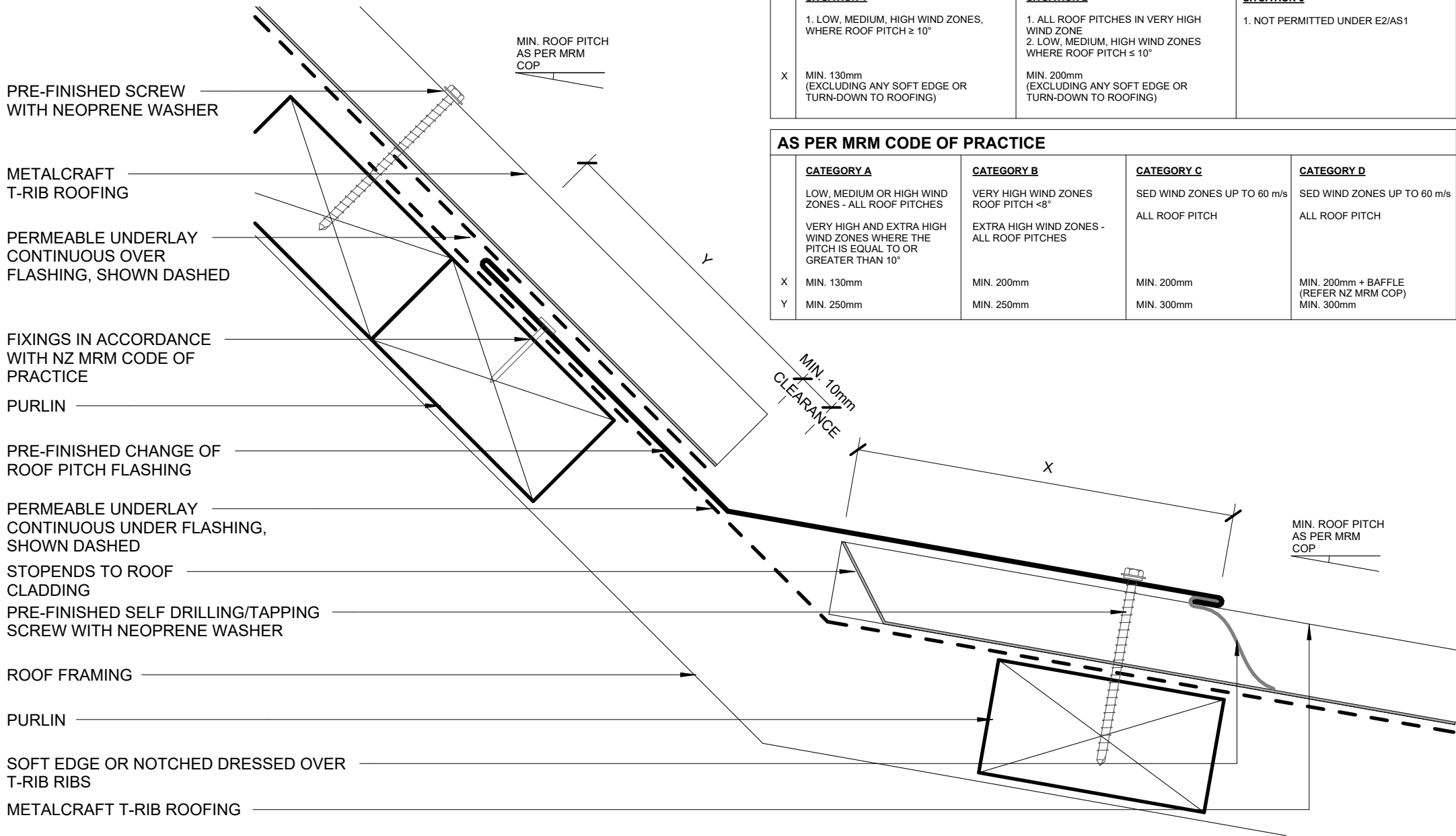
RESIDENTIAL ROOFING

Reference RRTRI

Date SEP 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 $\geq 10^\circ$	1. ALL ROOF PITCHES IN VERY HIGH WIND ZONE 2. LOW, MEDIUM, HIGH WIND ZONES WHERE ROOF PITCH $\leq 10^\circ$	1. NOT PERMITTED UNDER E2/AS1
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
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 60 m/s ALL ROOF PITCH
X MIN. 130mm Y MIN. 250mm	MIN. 200mm MIN. 250mm	MIN. 200mm MIN. 300mm	MIN. 200mm + BAFFLE (REFER NZ MRM COP) MIN. 300mm

METALCRAFT
T-RIB ROOFING

FIXINGS IN ACCORDANCE WITH
NZ MRM CODE OF PRACTICE

PRE-FINISHED 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 T-RIB
RIBS

METALCRAFT T-RIB ROOFING

MIN. ROOF PITCH
AS PER 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, HIGH WIND ZONES WHERE ROOF PITCH $\leq 10^\circ$	1. NOT PERMITTED UNDER E2/AS1
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
	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 60 m/s ALL ROOF PITCH
X	MIN. 130mm	MIN. 200mm	MIN. 200mm	MIN. 200mm + BAFFLE (REFER NZ MRM COP)
Y	MIN. 250mm	MIN. 250mm	MIN. 300mm	MIN. 300mm

Y

50mm MIN

MIN. ROOF PITCH
AS PER MRM
COP

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

10-35° = 50mm

$>35^\circ$ = 40mm

MIN. ROOF PITCH
AS PER MRM
COP

MIN. 125 mm

METALCRAFT T-RIB
ROOFING

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

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

SNOW STRAP AS REQUIRED

METALCRAFT COLONIAL
QUAD GUTTER

METALCRAFT COLONIAL QUAD
GUTTER WITH INTERNAL
BRACKET

PRE-FINISHED 8g WAFER-TEK
SCREW

TIMBER FASCIA

*OVERFLOW

MIN. 35mm
OVERLAP

MIN. 10mm

PRE-FINISHED SCREW WITH
NEOPRENE WASHER

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

TIMBER PURLIN

FIXINGS IN ACCORDANCE
WITH NZ MRM CODE OF
PRACTICE

TIMBER ROOF FRAMING

SOFFIT LINING

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.

T - Rib

Rev. 3.0

EAVE WITH SNOW STRAP
RESIDENTIAL ROOFING

Reference RRTRI

Date SEP 2024

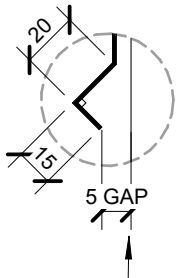
Scale 1 : 2

Sheet **A 12 / 26**

UNDERSOAKER
FLASHING REQUIRED
FOR NZ MRM COP
CATEGORY D ONLY

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

PRE-FINISHED
BARGE FLASHING



ALTERNATIVE
OPTION
BIRDS BEAK EDGE

HEMMED EDGE

TIMBER PACKER

ROOF FRAMING

BARGE BOARD
PRE PRIMED

TIMBER PACKER

WEATHERBOARDS
ON CAVITY

20mm BATTEN

PERMEABLE UNDERLAY,
SHOWN DASHED

20mm CAVITY BATTEN

PRE-FINISHED SCREW WITH
NEOPRENE WASHER

METALCRAFT T-RIB
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 $\geq 10^\circ$	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

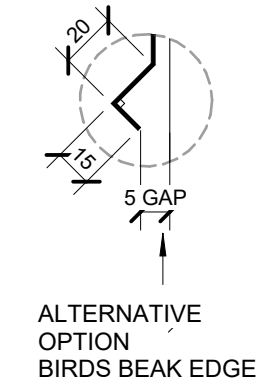
	CATEGORY A	CATEGORY B	CATEGORY C	CATEGORY D
	LOW, MEDIUM OR HIGH WIND ZONES - ALL ROOF PITCHES VERY HIGH AND EXTRA HIGH WIND ZONES WHERE THE PITCH IS EQUAL TO OR GREATER THAN 10°	VERY HIGH WIND ZONES ROOF PITCH $< 8^\circ$ EXTRA HIGH WIND ZONES - ALL ROOF PITCHES	SED WIND ZONES UP TO 60 m/s ALL ROOF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

* RIB HEIGHT OF PROFILE OR TURNUP

UNDERSOAKER
FLASHING REQUIRED
FOR NZ MRM COP
CATEGORY D ONLY

PRE-FINISHED 8g
WAFER-TEK SCREW

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

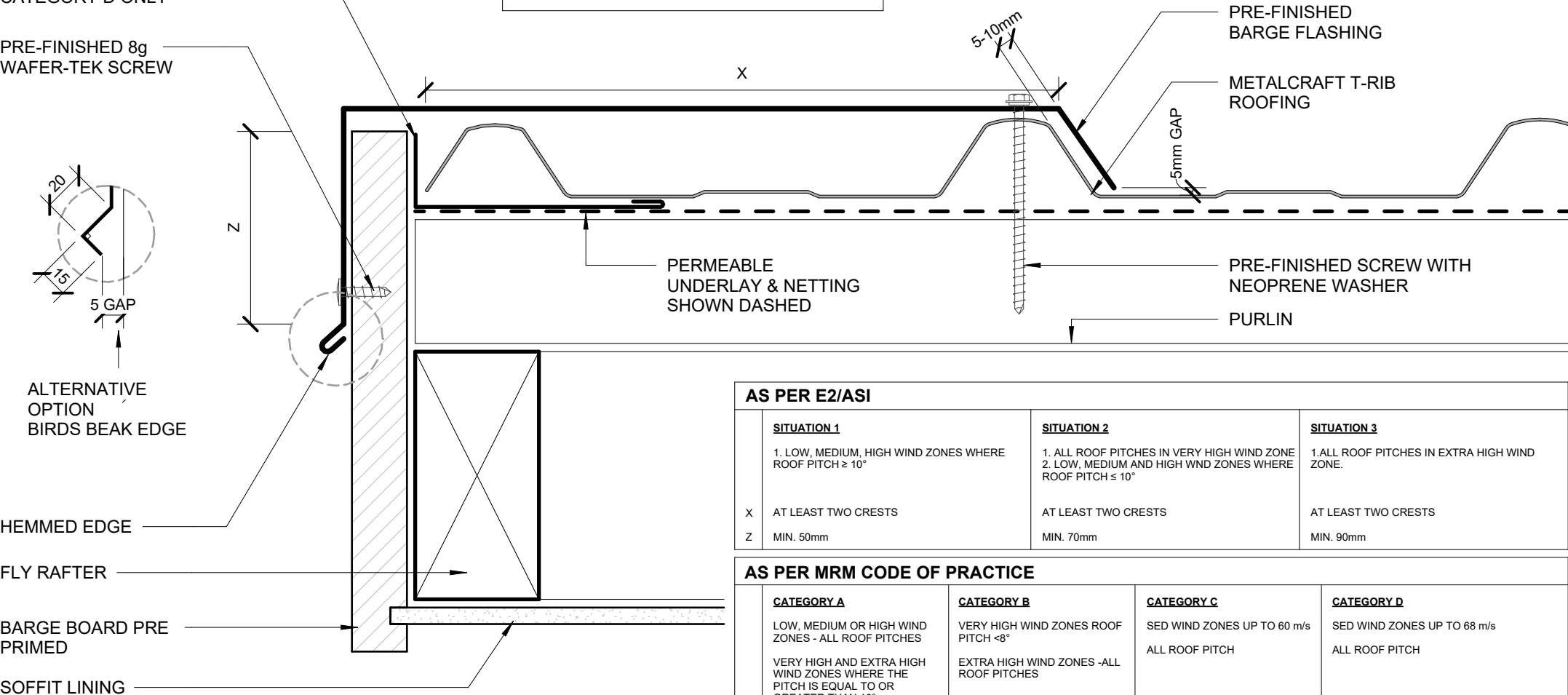


HEMMED EDGE

FLY RAFTER

BARGE BOARD PRE
PRIMED

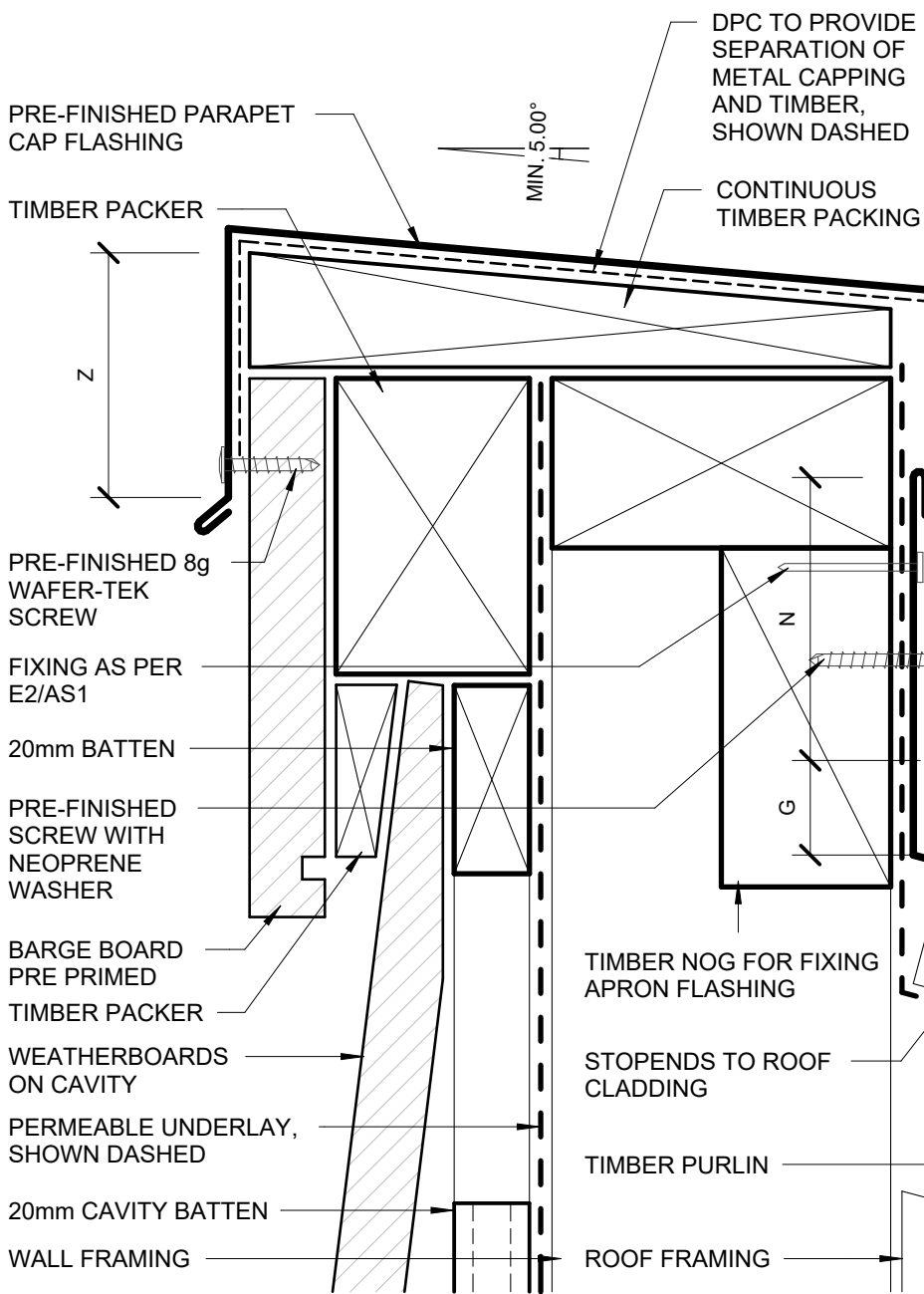
SOFFIT LINING



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
	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
X	TRAPEZOIDAL & TRAY: ONE RIB CORRUGATE: 2 CORRUGATIONS	TRAPEZOIDAL & TRAY: TWO RIBS (20mm - 34mm)* ONE RIB (>34 mm)* CORRUGATE: 2 CORRUGATIONS	TRAPEZOIDAL & TRAY: TWO RIBS (20mm - 34mm)* ONE RIB (>34 mm)* CORRUGATE: 3 CORRUGATIONS
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)

* RIB HEIGHT OF PROFILE OR TURNUP

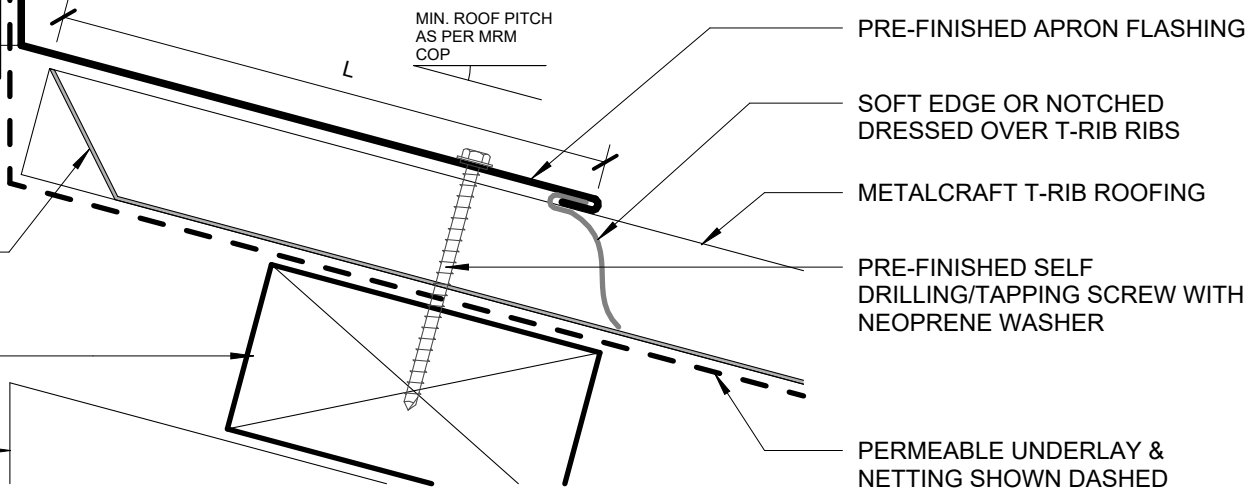


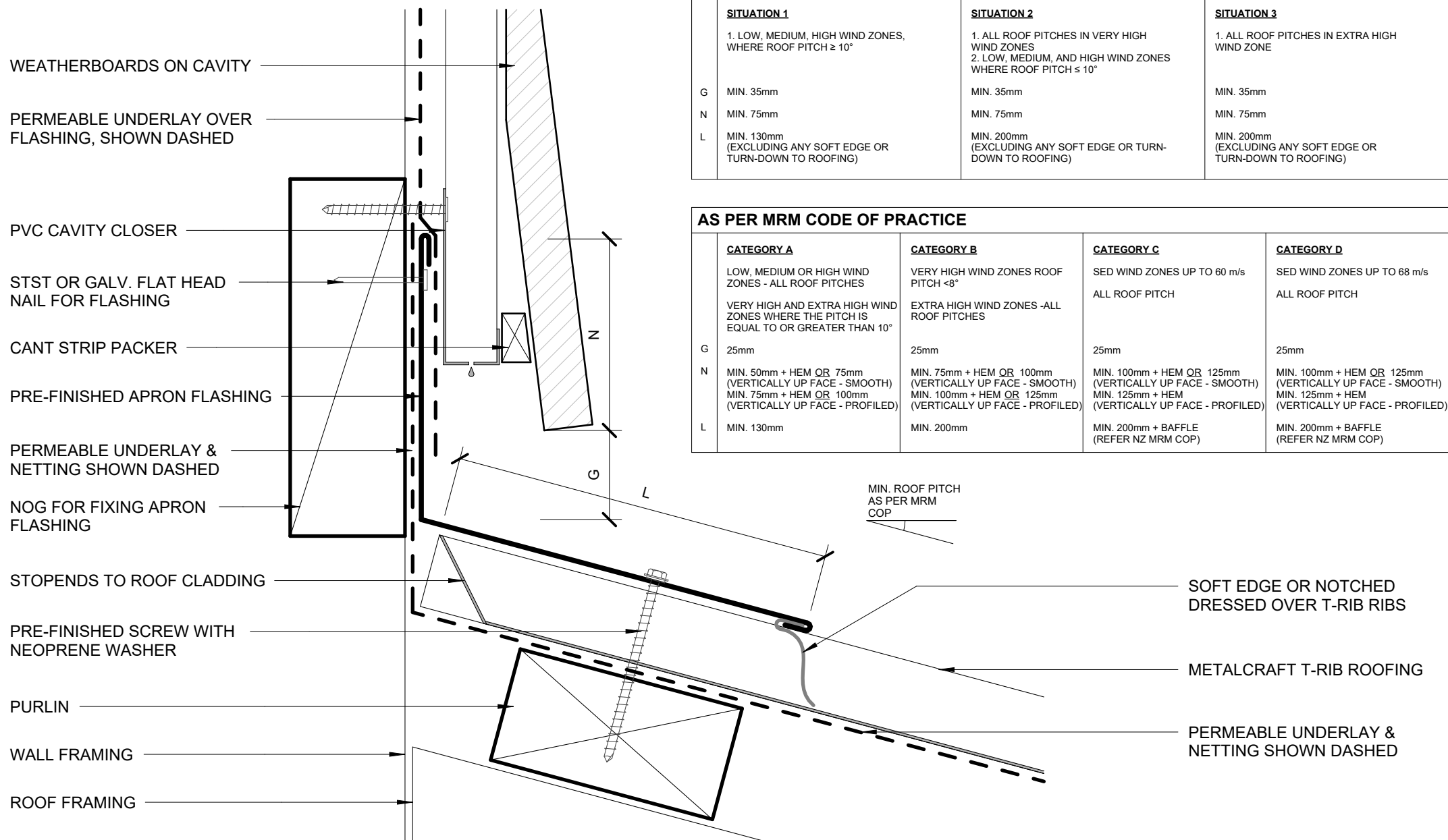
AS PER E2/AS1

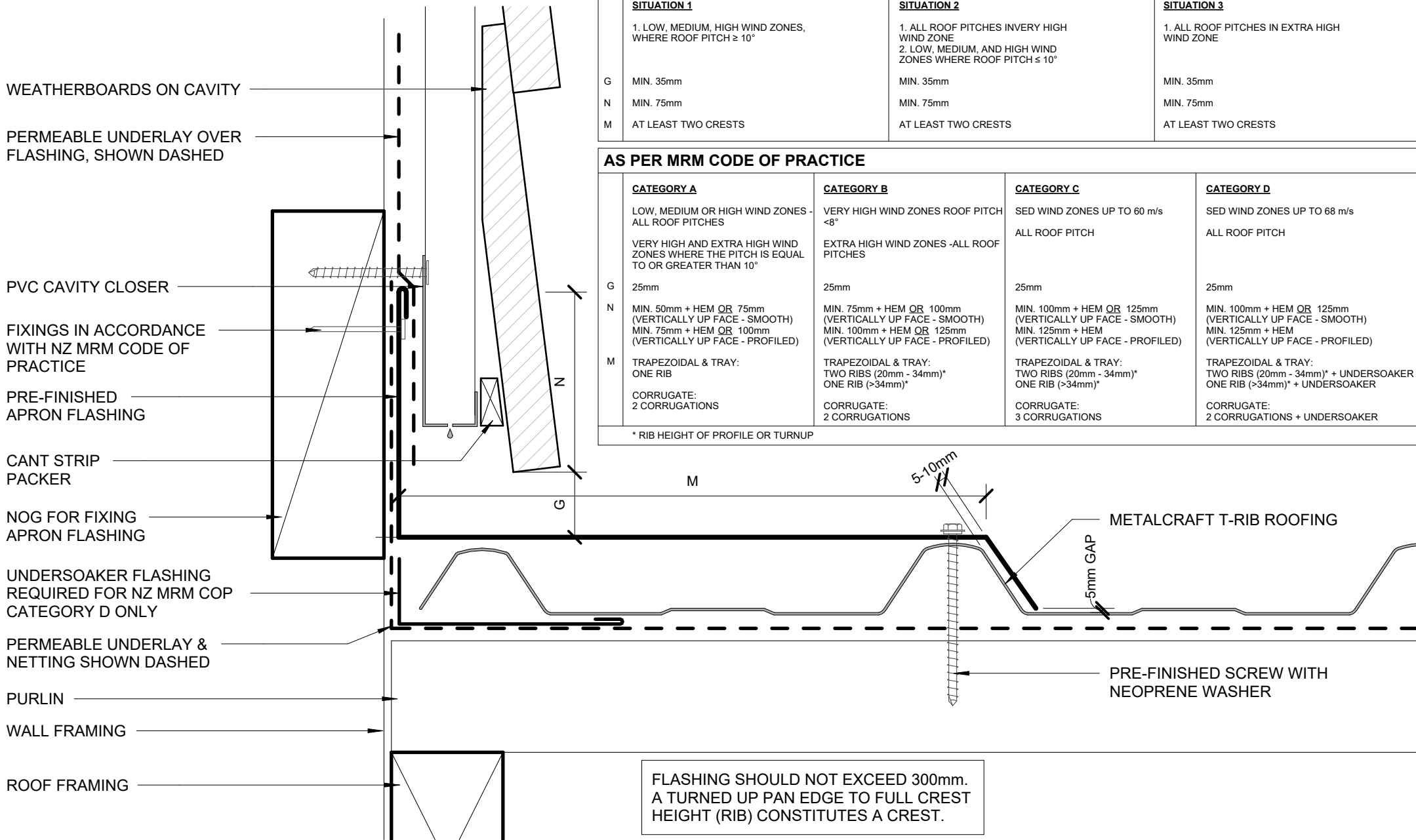
	SITUATION 1	SITUATION 2	SITUATION 3
	1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH $\geq 10^\circ$	1. VERY HIGH WIND ZONE 2. LOW, MEDIUM AND HIGH WIND ZONES WHERE ROOF PITCHES $\leq 10^\circ$	1. ALL ROOF PITCHES IN EXTRA HIGH WIND ZONE
G	MIN. 35mm	MIN. 35mm	MIN. 35mm
N	MIN. 75mm	MIN. 75mm	MIN. 75mm
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 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)
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)

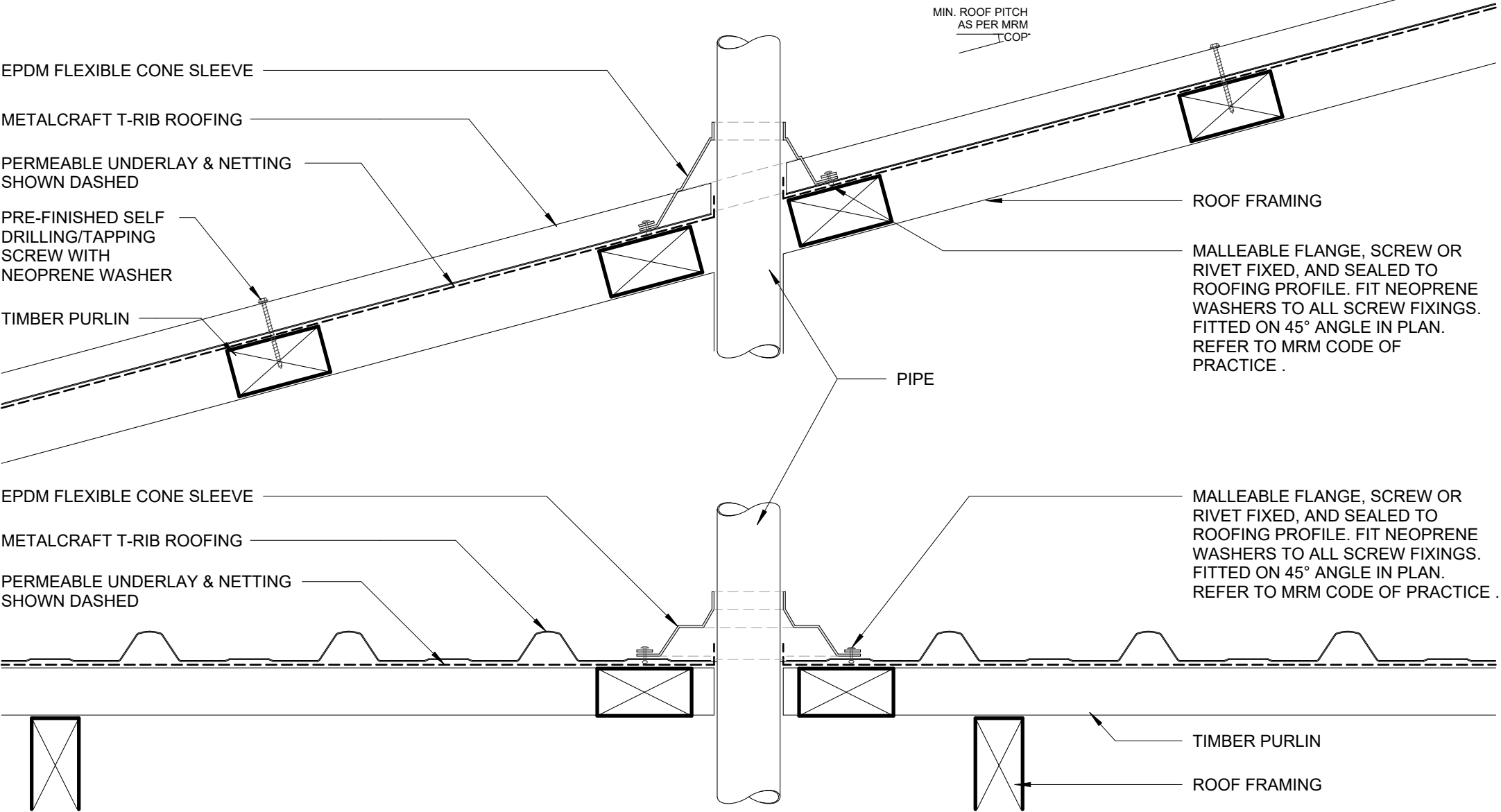






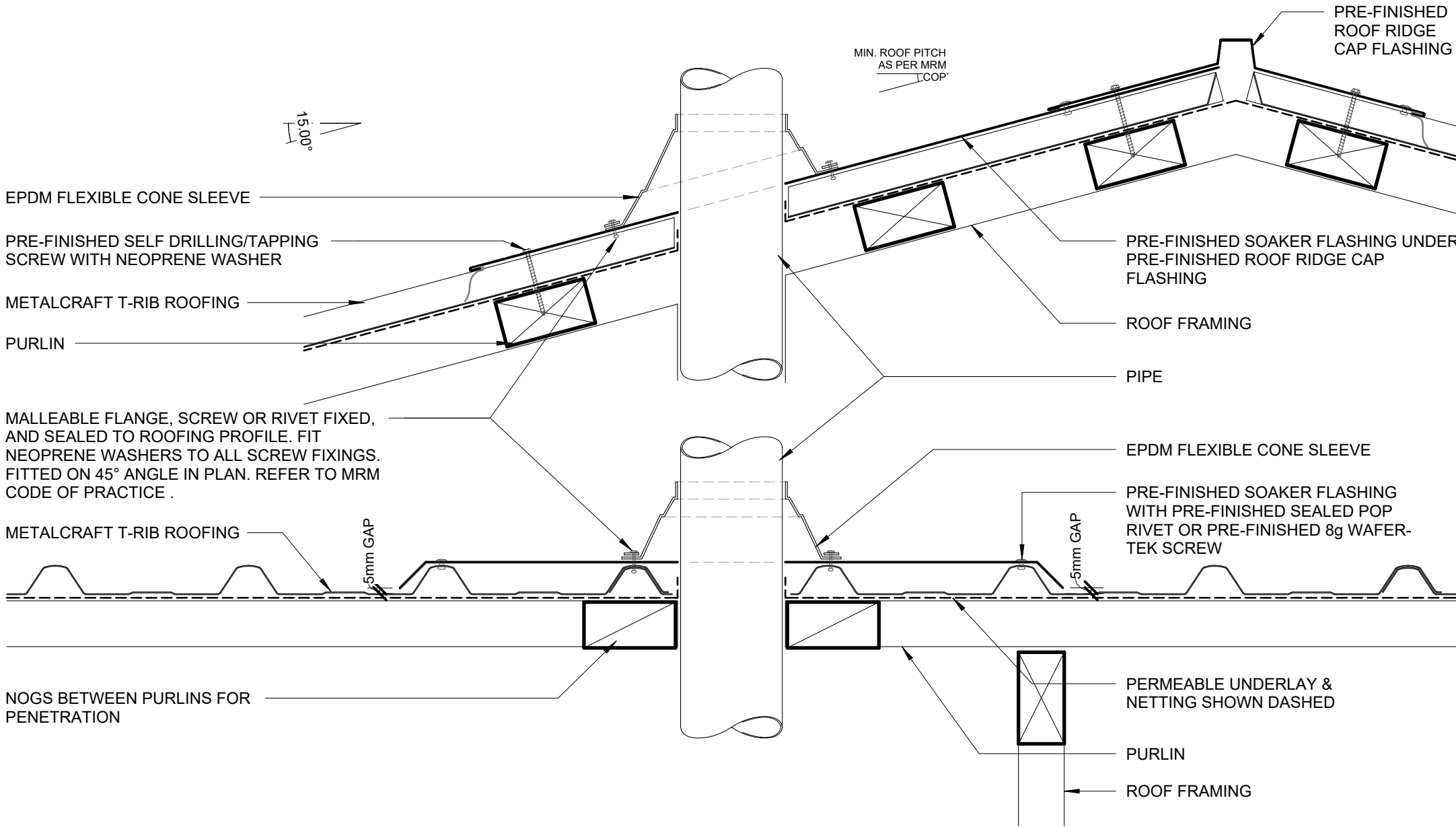
* MIN. 10° FOR PIPE PENETRATION. DIRECT FIX
 BOOT FLASHING IS APPLICABLE FOR WHEN
 LESS THAN 50% BLOCKAGE OCCURS. WHEN
 EXCEEDING 50% BLOCKAGE, REFER TO BACK
 TRAY BOOT FLASHING

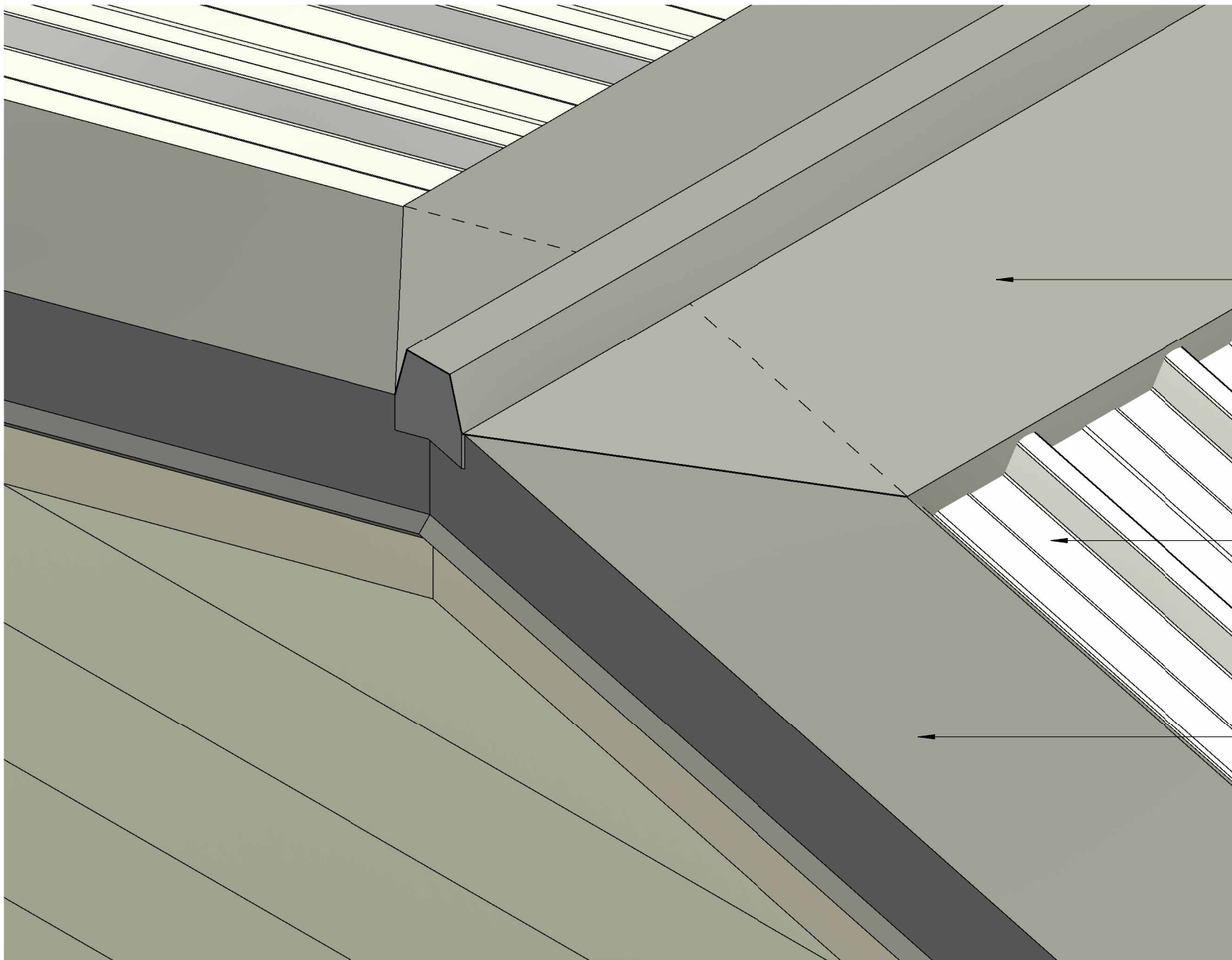
REFER TO MRM CODE OF PRACTICE



* MIN. 3° FOR PIPE PENETRATION WITH A
BACK TRAY 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 T-Rib

PRE-FINISHED BARGE FLASHING

PRE-FINISHED BARGE FLASHING

PRE-FINISHED HIP FLASHING

PRE-FINISHED APRON
FLASHING

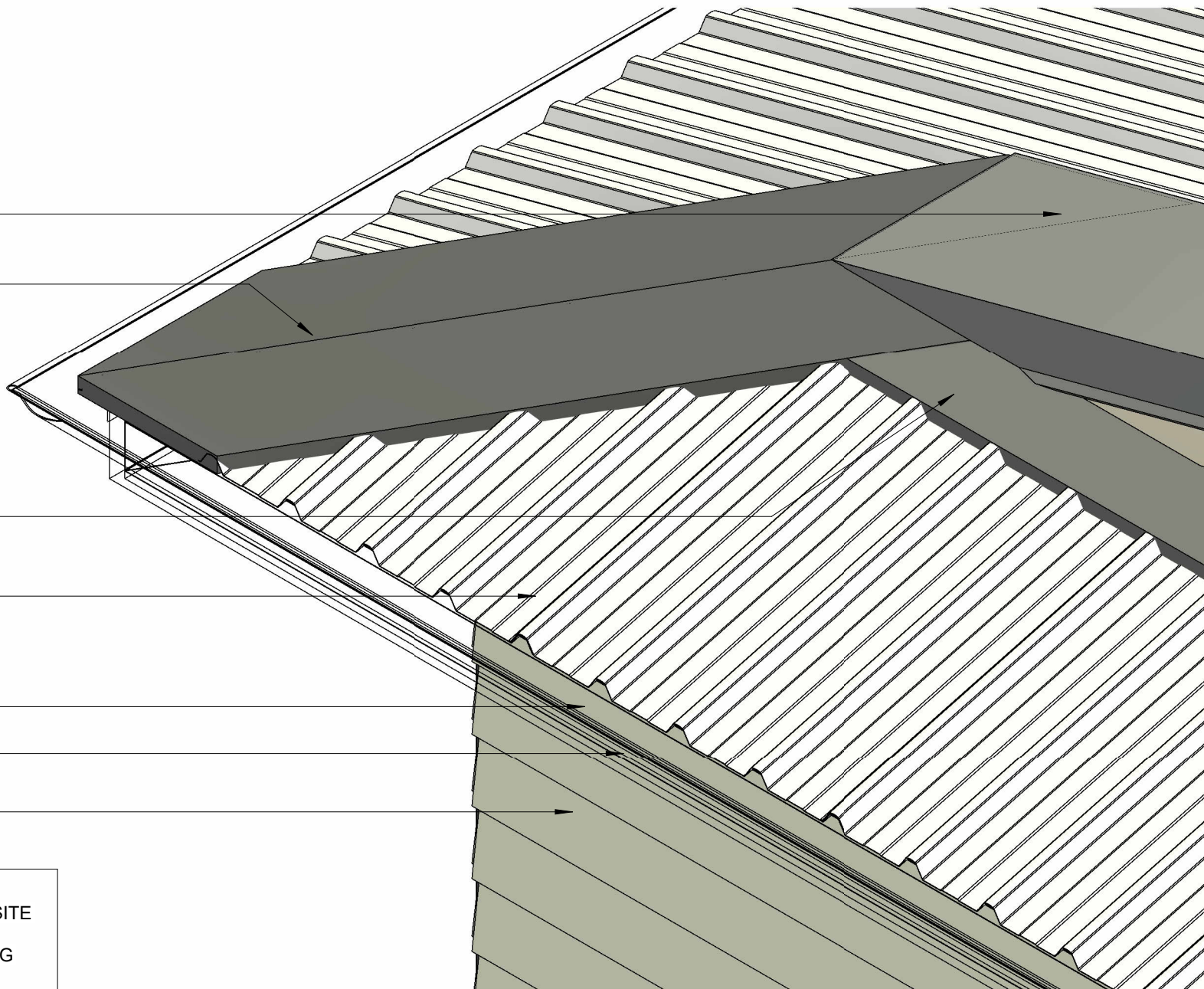
METALCRAFT T-Rib ROOFING
TURN DOWN INTO GUTTER.
REFER TO EAVE DETAILS FOR
MINIMUM ROOF OVERHANG

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.



WALL CLADDING ON CAVITY

PRE-FINISHED APRON FLASHING
WITH HEMMED EDGE

BEVELED BACK
WEATHER BOARDS
REMOVED FOR CLARITY

PRE-FINISHED APRON DIVERTER

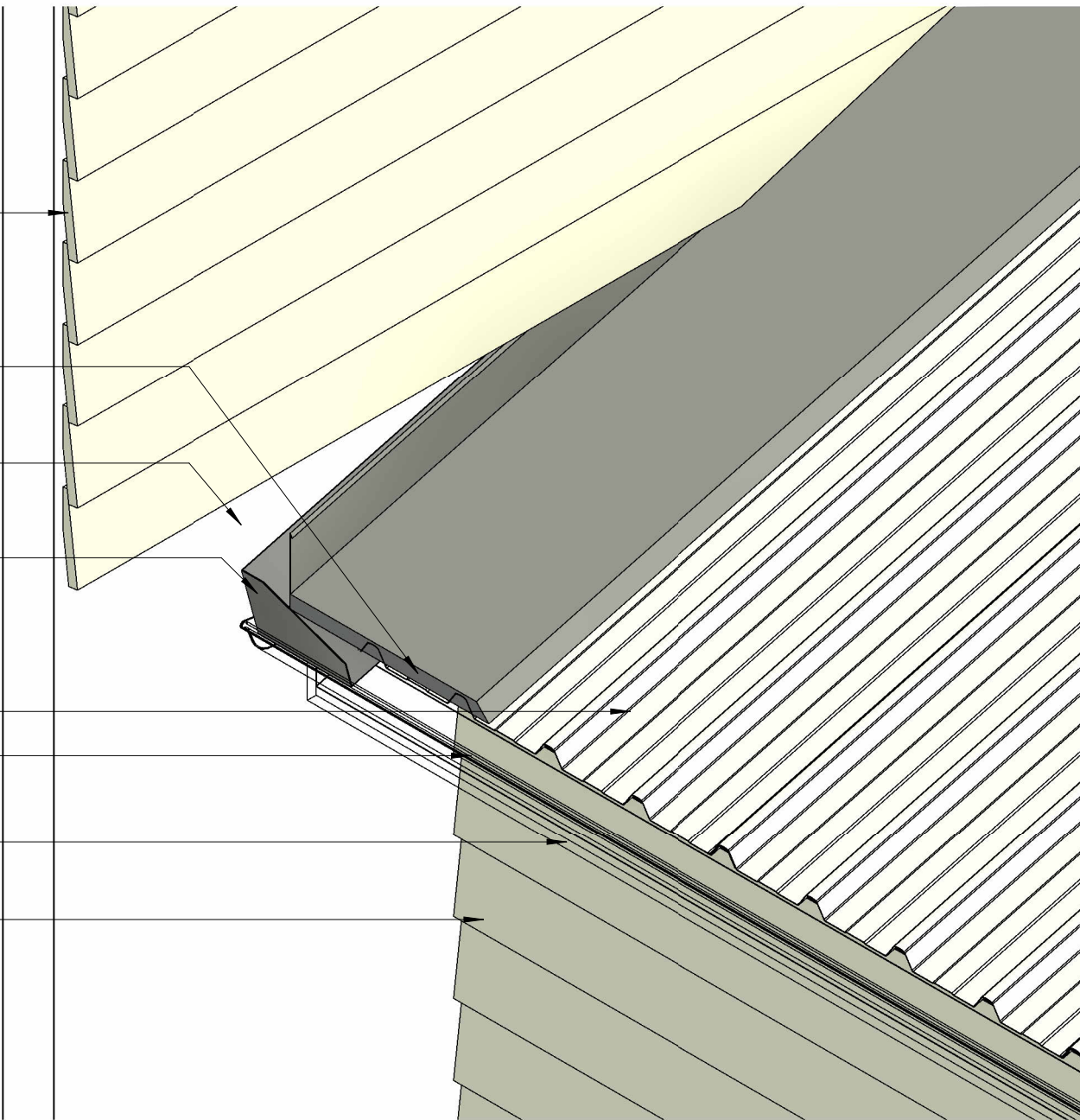
METALCRAFT T-Rib ROOFING.
TURN DOWN INTO GUTTER
REFER TO EAVE DETAILS FOR
MINIMUM ROOF OVERHANG

GUTTER

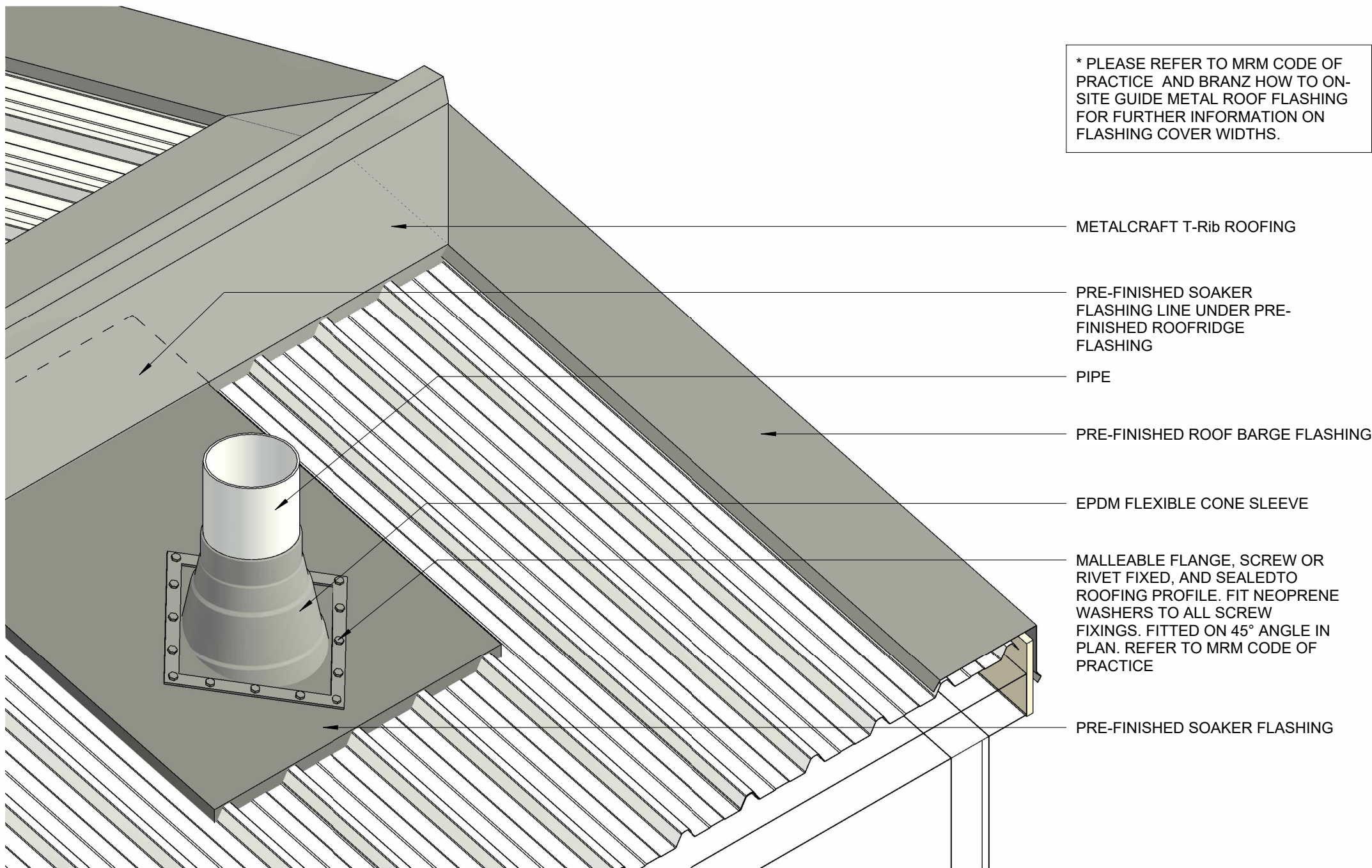
FASCIA BOARD PRE PRIMED

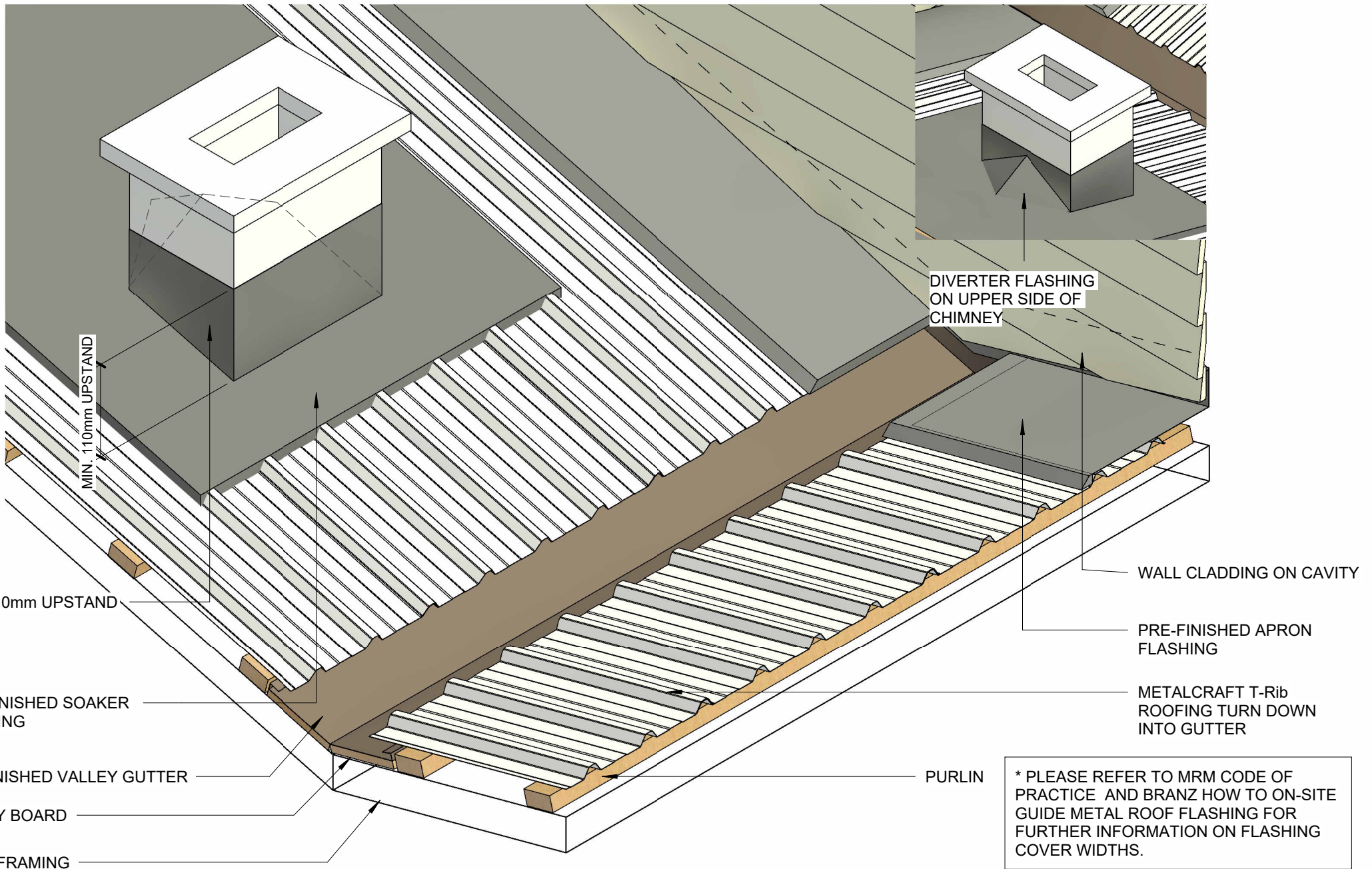
WALL CLADDING ON CAVITY

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

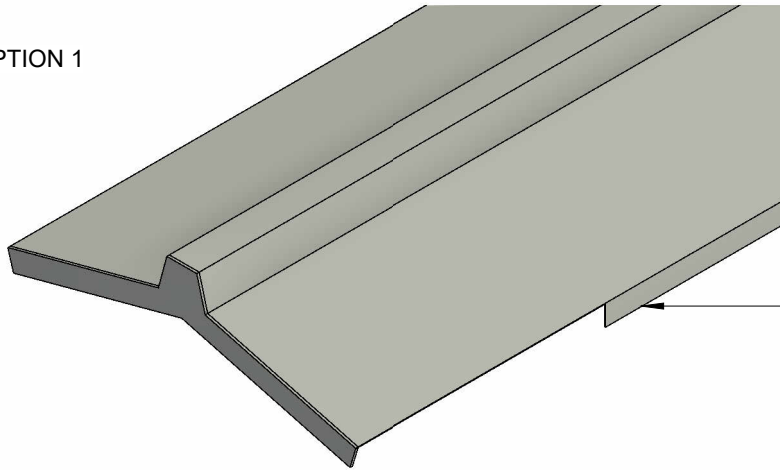


* PLEASE REFER TO MRM CODE OF PRACTICE AND BRANZ HOW TO ON-SITE GUIDE METAL ROOF FLASHING FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS.

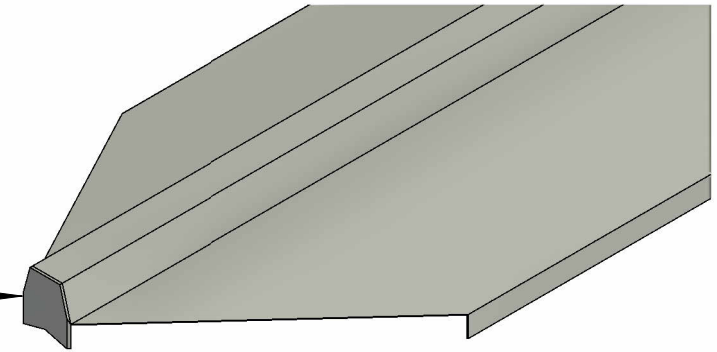




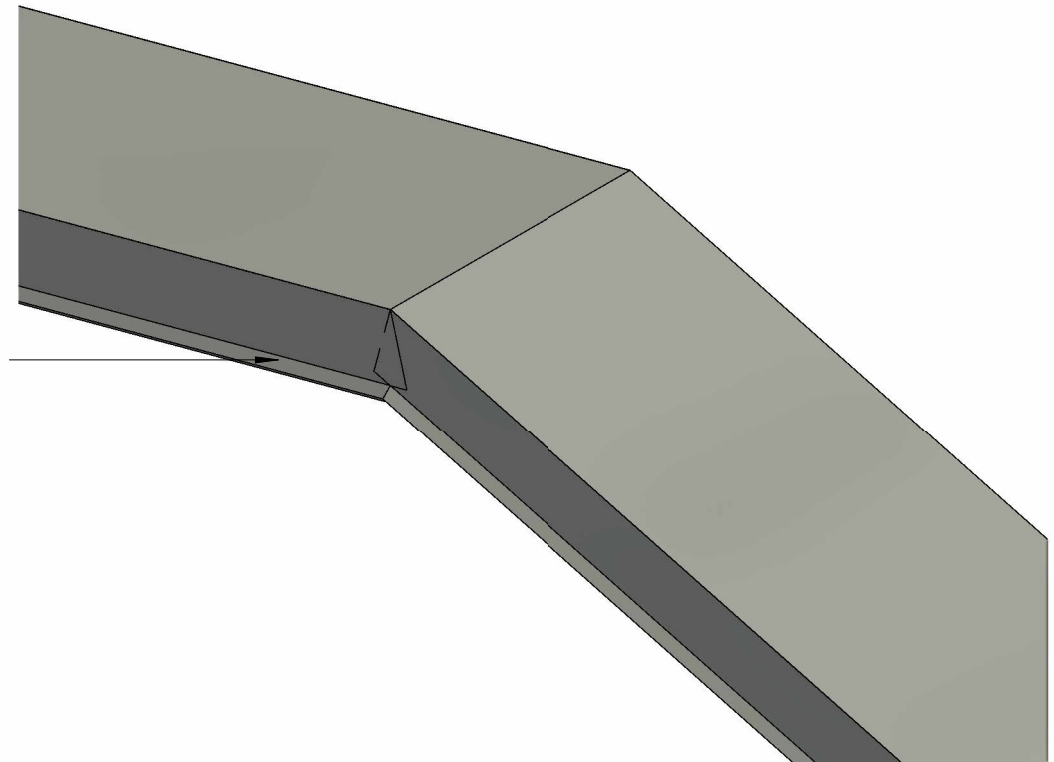
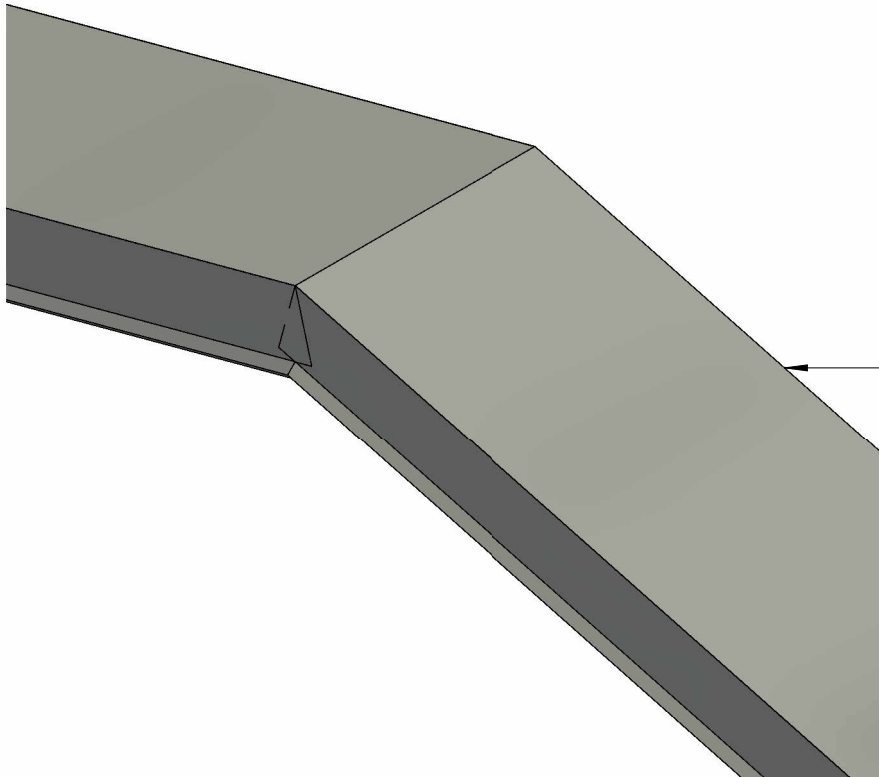
OPTION 1



OPTION 2



RIDGE CAP
FLASHING



BARGE
FLASHING

**(4) PRE-FINISHED
BARGE
FLASHING**

**(3) PRE-FINISHED
3D SADDLE
FLASHING**

**(2) PRE-FINISHED
APRON
FLASHING**

(1) PRE-FINISHED HIP FLASHING

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

