

# MC 1000

## RESIDENTIAL ROOFING

<u>DETAIL LIST</u>	<u>Revision</u>	<u>Date</u>
A 00 / 26		
A 01 / 26		
A 02 / 26		
A 03 / 26		
A 04 / 26		
A 05 / 26		
A 06 / 26		
A 07 / 26		
A 08 / 26		
A 09 / 26		
A 10 / 26		
A 11 / 26		
A 12 / 26		
A 13 / 26		
A 14 / 26		

	<u>Revision</u>	<u>Date</u>
COVER SHEET		
ROOF RIDGE	2.0	JUNE 2024
ROOF RIDGE (ROUND)	2.0	JUNE 2024
SAWTOOTH RIDGE	2.0	JUNE 2024
SAWTOOTH EAVE	2.0	JUNE 2024
ROOF VALLEY	2.0	JUNE 2024
ASYMMETRICAL ROOF VALLEY	2.0	JUNE 2024
INTERNAL GUTTER	2.0	JUNE 2024
PARALLEL HIDDEN GUTTER	2.0	JUNE 2024
PARALLEL HIDDEN GUTTER (2 PART FLASHING)	2.0	JUNE 2024
ROOF - CHANGE PITCH	2.0	JUNE 2024
MANSARD	2.0	JUNE 2024
EAVE WITH SNOW STRAP	2.0	JUNE 2024
BARGE WITH PROFILED CLADDING	2.0	JUNE 2024
BARGE OVERHANG	2.0	JUNE 2024

<u>DETAIL LIST</u>	<u>Revision</u>	<u>Date</u>
A 15 / 26		
A 16 / 26		
A 17 / 26		
A 18 / 26		
A 19 / 26		
A 20 / 26		
A 21 / 26		
A 22 / 26		
A 23 / 26		
A 24 / 26		
A 25 / 26		
A 26 / 26		

	<u>Revision</u>	<u>Date</u>
PRARPET WITH TRANSVERSE APRON	2.0	JUNE 2024
TRANSVERSE APRON	2.0	JUNE 2024
PARALLEL APRON	2.0	JUNE 2024
PIPE PENETRATION DIRECT FIXED BOOT FLASHING	2.0	JUNE 2024
PIPE PENETRATION BACK TRAY BOOT FLASHING	2.0	JUNE 2024
3D RIDGE TO BARGE JUNCTION	2.0	JUNE 2024
3D DUTCH GABLE	2.0	JUNE 2024
3D APRON	2.0	JUNE 2024
3D OVER 85mm DIAMETER PIPE PENETRATION	2.0	JUNE 2024
3D CHIMNEY PENETRATION	2.0	JUNE 2024
3D RIDGE/BARGE FLASHINGS	2.0	JUNE 2024
3D DUTCH GABLE FLASHINGS	2.0	JUNE 2024

**AS PER E2/ASI**

	<b>SITUATION 1</b>	<b>SITUATION 2</b>	<b>SITUATION 3</b>
	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)

PRE-FINISHED RIDGE CAP FLASHING

STOPENDS TO ROOF CLADDING

METALCRAFT MC1000 ROOFING

PRE-FINISHED SCREW WITH NEOPRENE WASHER

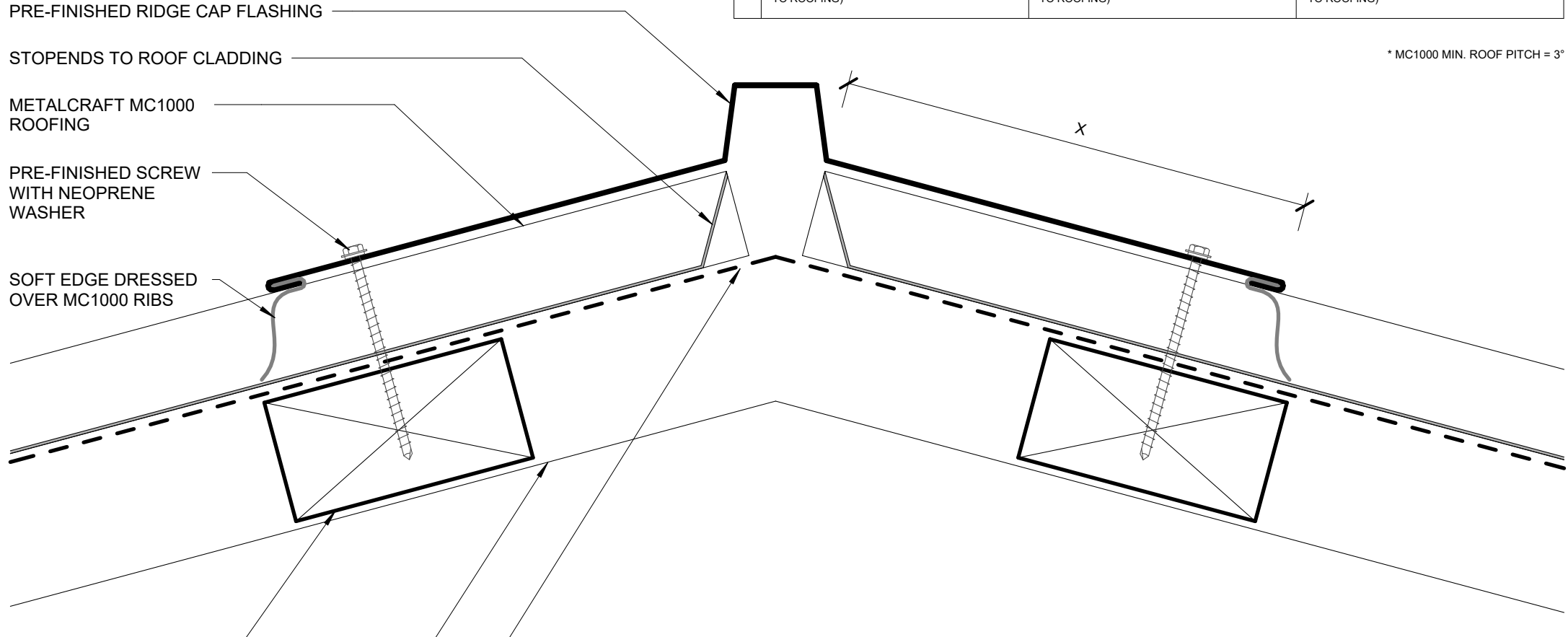
SOFT EDGE DRESSED OVER MC1000 RIBS

\* MC1000 MIN. ROOF PITCH = 3°

PURLIN

ROOF FRAMING

PERMEABLE UNDERLAY & NETTING SHOWN DASHED



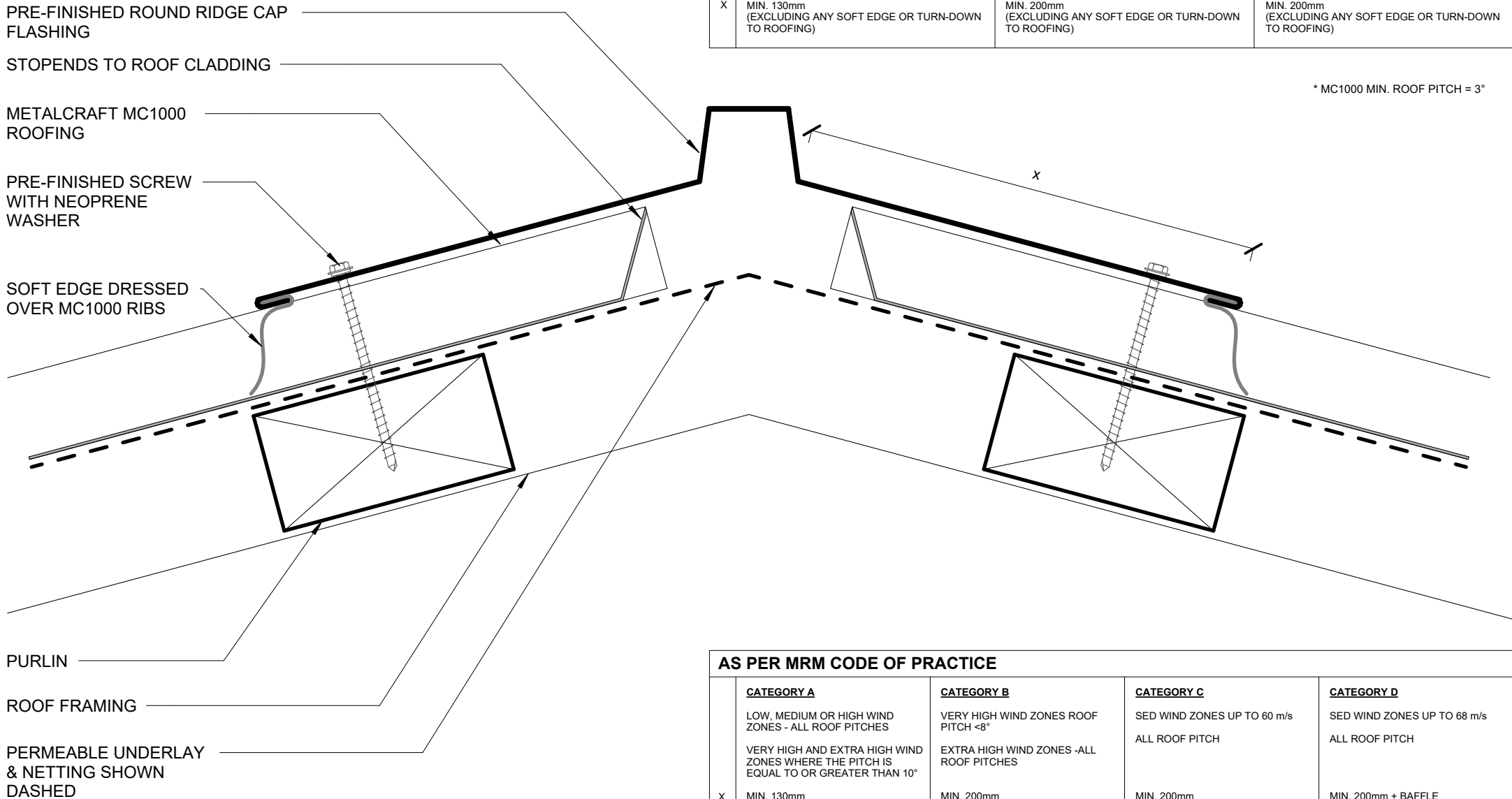
**AS PER MRM CODE OF PRACTICE**

	<b>CATEGORY A</b>	<b>CATEGORY B</b>	<b>CATEGORY C</b>	<b>CATEGORY D</b>
	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 $10^\circ$	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)

**AS PER E2/ASI**

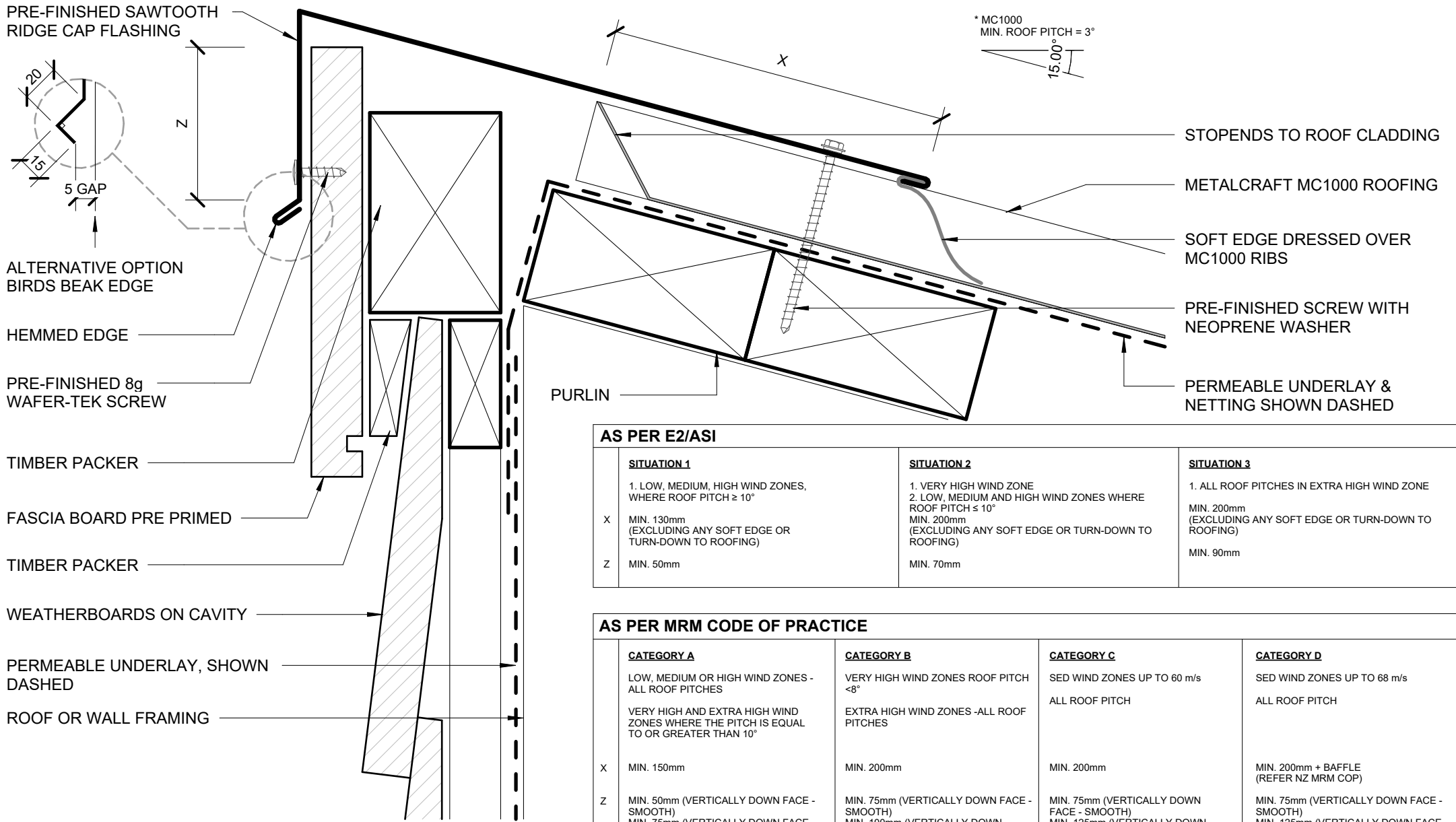
	<b>SITUATION 1</b>	<b>SITUATION 2</b>	<b>SITUATION 3</b>
X	1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH $\geq 10^\circ$  MIN. 130mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)	1. VERY HIGH WIND ZONE 2. LOW, MEDIUM & HIGH WIND ZONES WHERE ROOF PITCH $\leq 10^\circ$ MIN. 200mm (EXCLUDING ANY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

\* MC1000 MIN. ROOF PITCH = 3°



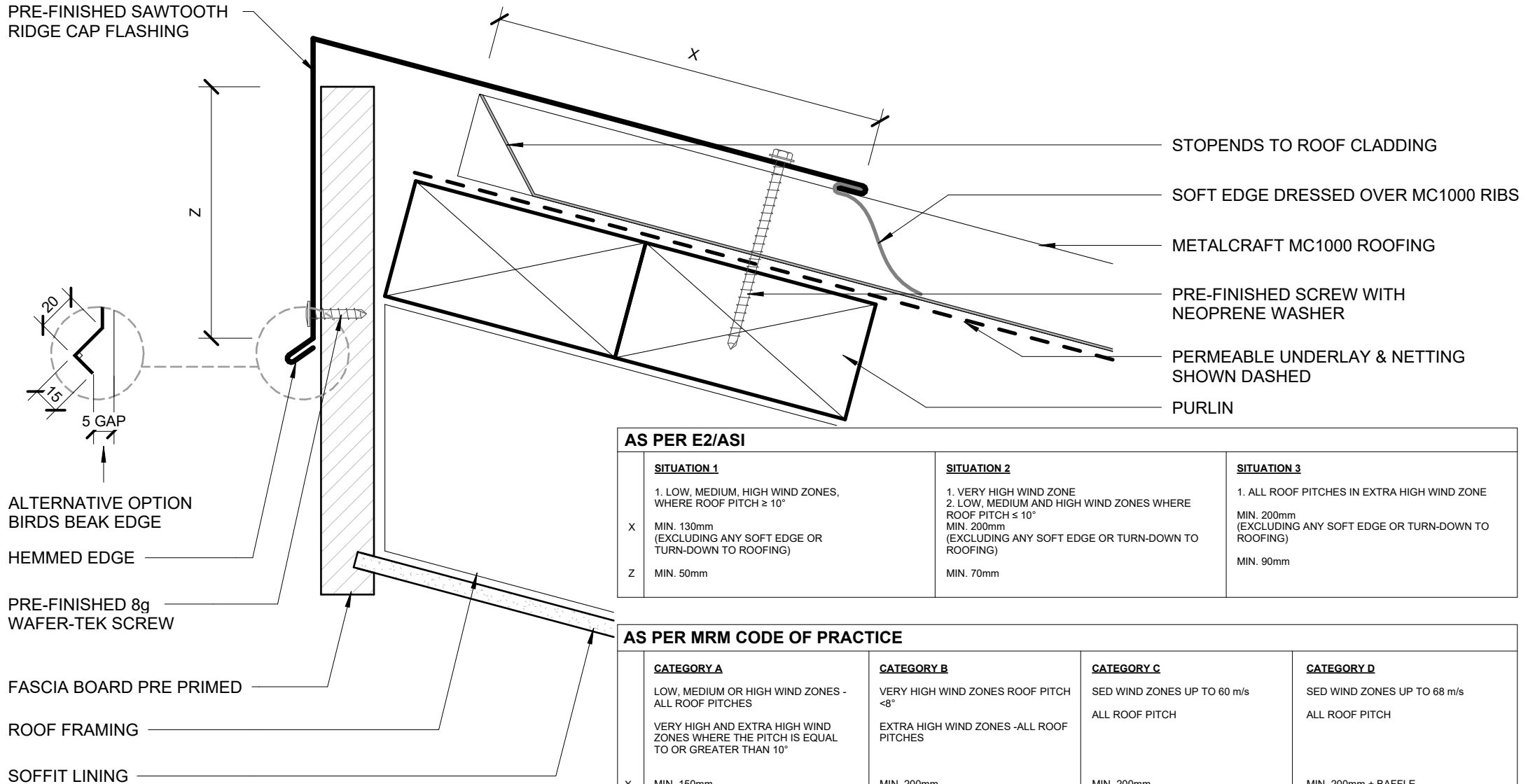
**AS PER MRM CODE OF PRACTICE**

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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 $\geq 10^\circ$	1. 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
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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 $10^\circ$	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	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)



AS PER E2/ASI			
	SITUATION 1	SITUATION 2	SITUATION 3
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	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 MC1000  
ROOFING

PRE-FINISHED SELF  
DRILLING/TAPPING  
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

PREFINISHED VALLEY GUTTER

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.

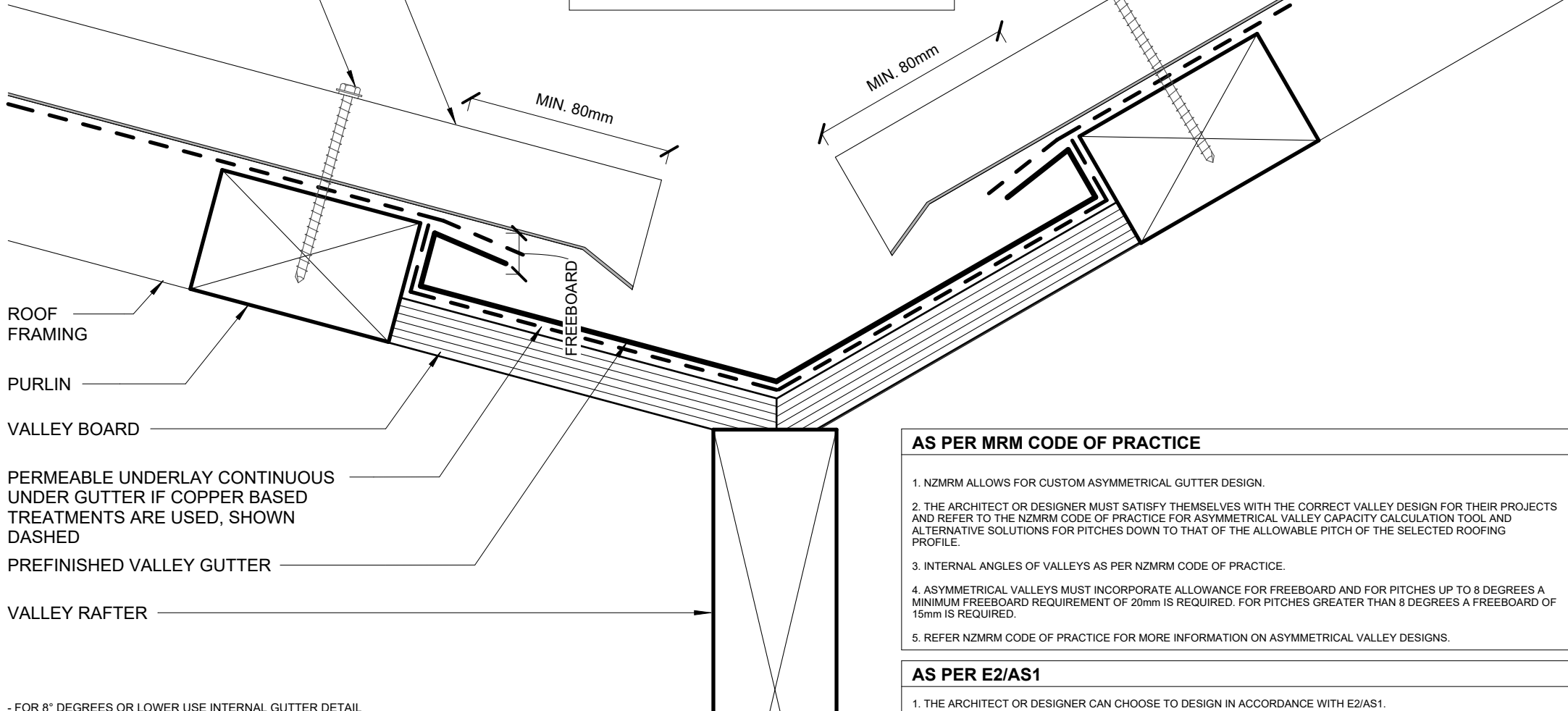
- FOR 8° DEGREES OR LOWER USE INTERNAL GUTTER DETAIL

METALCRAFT MC1000  
ROOFING

PRE-FINISHED SELF  
DRILLING/TAPPING  
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°.



**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.

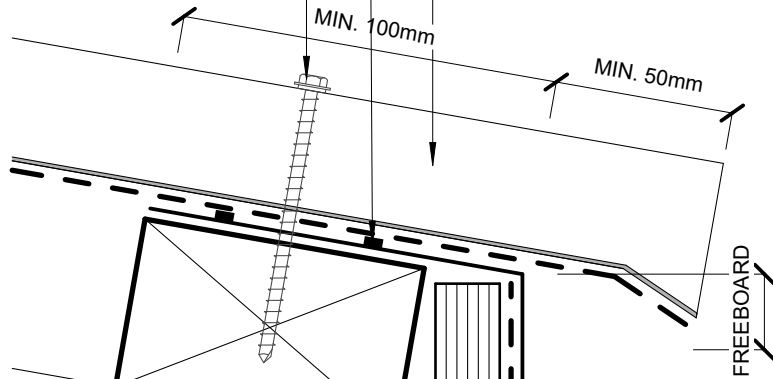
**AS PER E2/AS1**

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

METALCRAFT MC1000  
ROOFING

SEPARATION OF BUTYL  
GUTTER AND METAL  
ROOFING WITH LAP SEAL  
TAPE

PRE-FINISHED SELF  
DRILLING/TAPPING  
SCREW WITH  
NEOPRENE WASHER

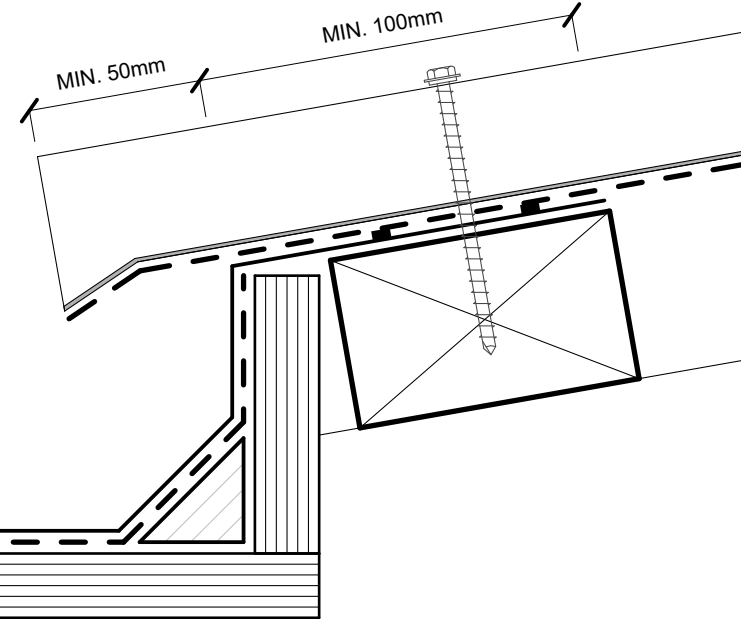


PURLIN  
ROOF FRAMING  
TIMBER FILLET  
GUTTER BOARD

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

PREFINISHED INTERNAL GUTTER

VALLEY RAFTER



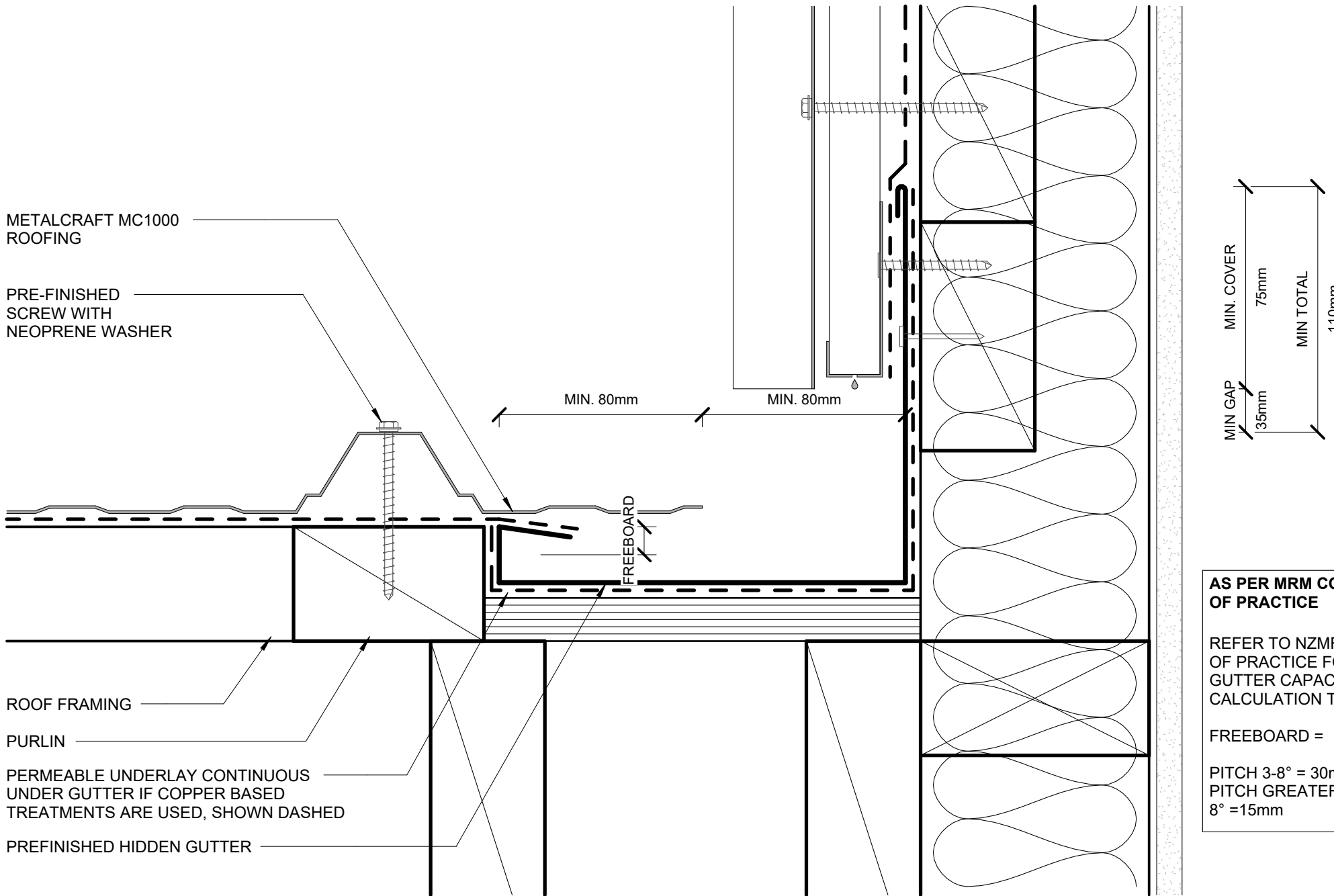
**AS PER MRM CODE OF PRACTICE**

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.





METALCRAFT MC1000 ROOFING

PRE-FINISHED SCREW WITH NEOPRENE WASHER

MIN. 80mm

MIN. 80mm

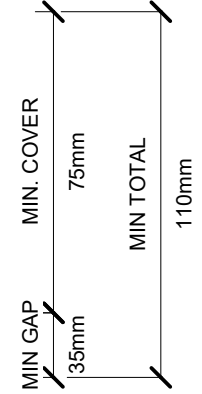
FREEBOARD

ROOF FRAMING

PURLIN

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

PREFINISHED HIDDEN GUTTER

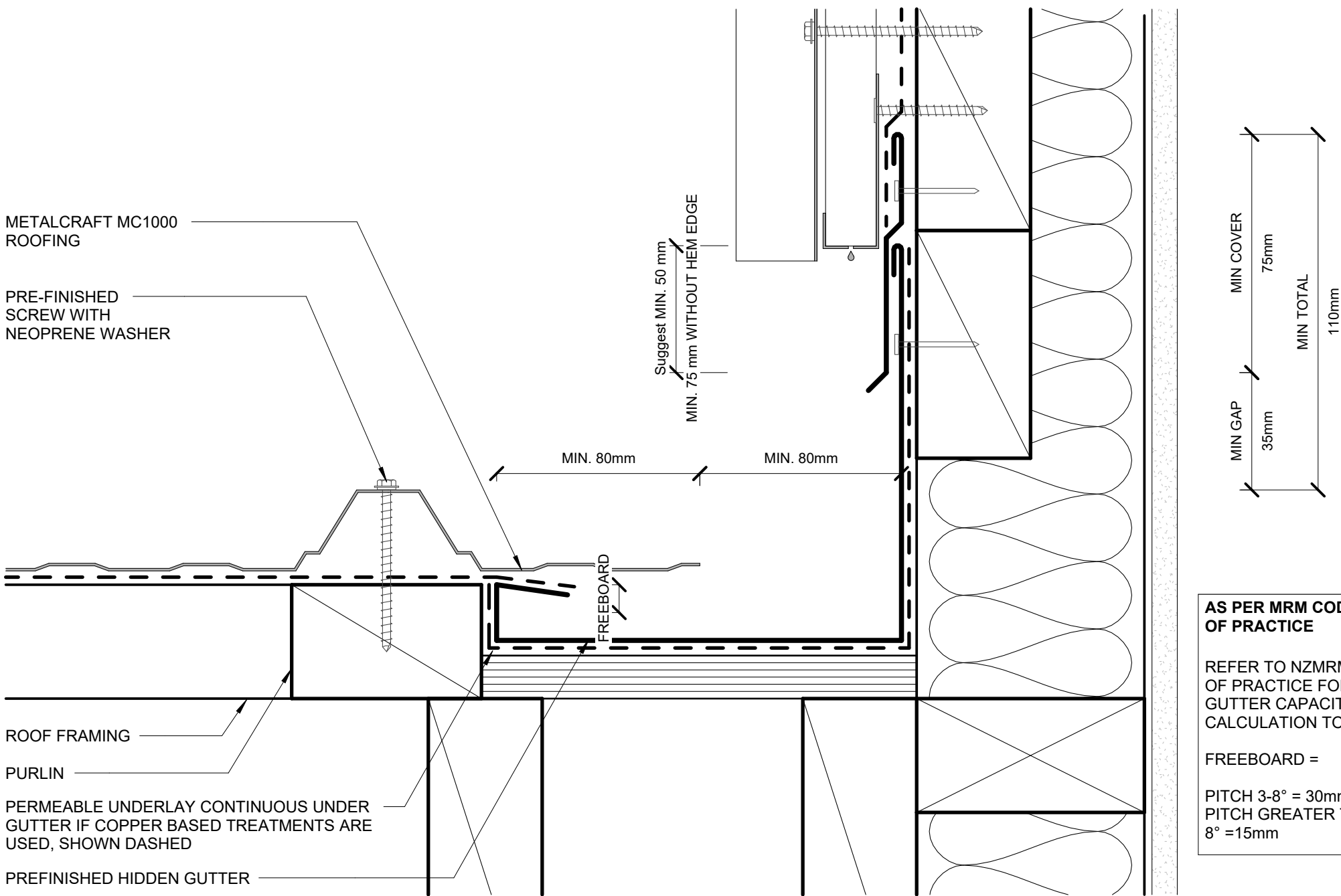


**AS PER MRM CODE OF PRACTICE**

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

FREEBOARD =

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

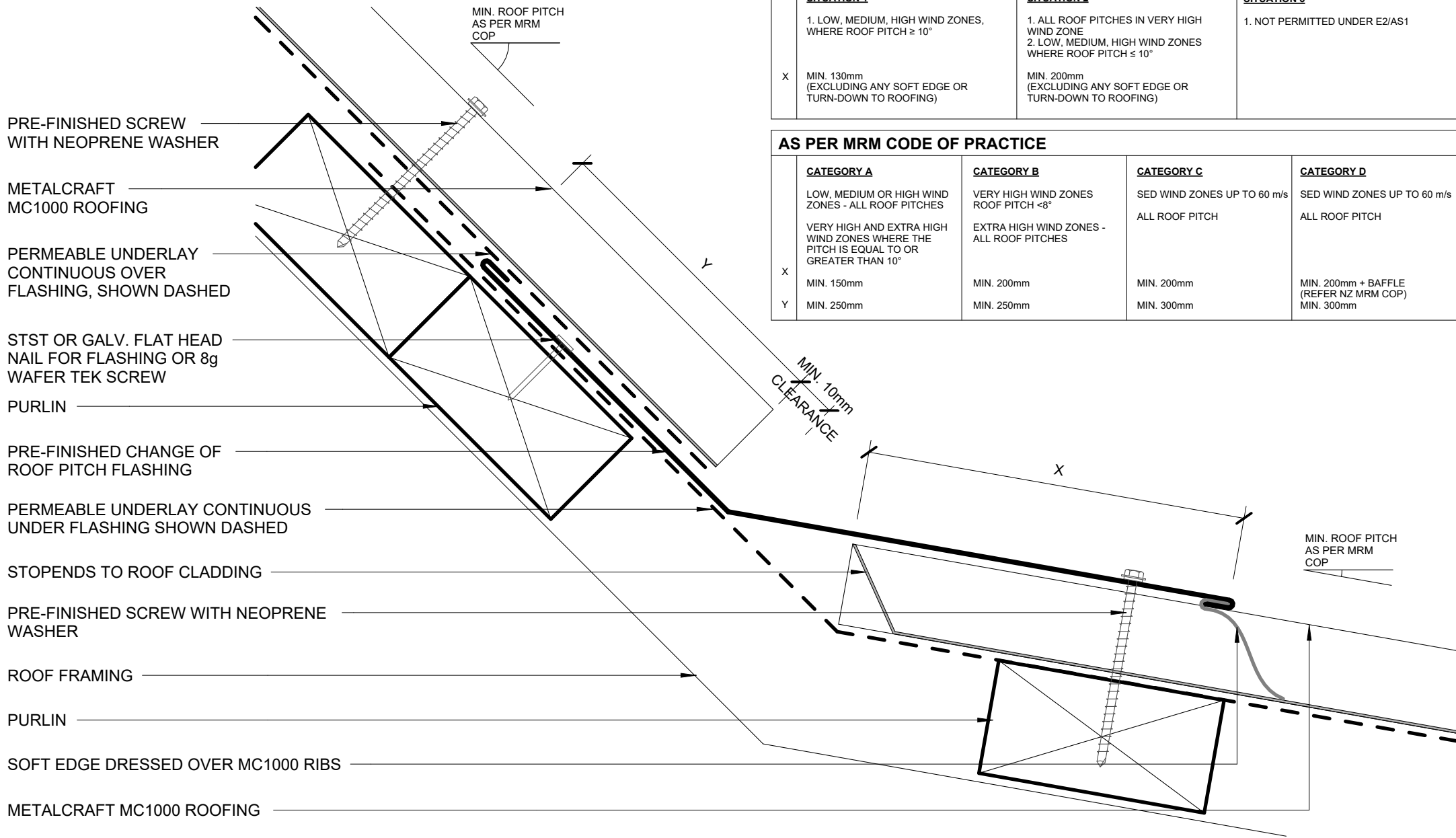


**AS PER MRM CODE OF PRACTICE**

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

FREEBOARD =

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



**AS PER E2/AS1**

	<b>SITUATION 1</b>	<b>SITUATION 2</b>	<b>SITUATION 3</b>
	1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH ≥ 10°	1. ALL ROOF PITCHES IN VERY HIGH WIND ZONE 2. LOW, MEDIUM, HIGH WIND ZONES WHERE ROOF PITCH ≤ 10°	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**

	<b>CATEGORY A</b>	<b>CATEGORY B</b>	<b>CATEGORY C</b>	<b>CATEGORY D</b>
	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 60 m/s  ALL ROOF PITCH
X	MIN. 150mm	MIN. 200mm	MIN. 200mm	MIN. 200mm + BAFFLE (REFER NZ MRM COP)
Y	MIN. 250mm	MIN. 250mm	MIN. 300mm	MIN. 300mm

METALCRAFT  
MC1000 ROOFING

STST OR GALV. FLAT HEAD  
NAIL FOR FLASHING

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 DRESSED OVER MC1000 RIBS

METALCRAFT MC1000 ROOFING

MIN. ROOF PITCH  
AS PER MRM  
COP

50mm MIN

MIN. ROOF PITCH  
AS PER MRM  
COP

**AS PER E2/AS1**

	<b>SITUATION 1</b>	<b>SITUATION 2</b>	<b>SITUATION 3</b>
	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**

	<b>CATEGORY A</b>	<b>CATEGORY B</b>	<b>CATEGORY C</b>	<b>CATEGORY D</b>
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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 MC1000 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

MIN. 125 mm

MIN. 35mm OVERLAP

\*OVERFLOW

MIN. 10mm

PRE-FINISHED SCREW WITH NEOPRENE WASHER

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

STST OR GALV. FLAT HEAD NAIL FOR FLASHING OR 8g WAFER TEK SCREW

TIMBER PURLIN

TIMBER ROOF FRAMING

SOFFIT LINING

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.

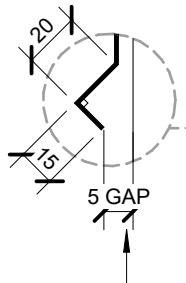
PRE-FINISHED  
BARGE FLASHING

PRE-FINISHED SCREW WITH  
NEOPRENE WASHER

METALCRAFT MC1000  
ROOFING

PERMEABLE UNDERLAY  
& NETTING SHOWN  
DASHED

PURLIN



ALTERNATIVE  
OPTION  
BIRDS BEAK EDGE

HEMMED EDGE

TIMBER PACKER

ROOF FRAMING

BARGE BOARD  
PRE PRIMED

TIMBER PACKER

WEATHERBOARDS  
ON CAVITY

PERMEABLE UNDERLAY,  
SHOWN DASHED

\*IF VENTILATION IS REQUIRED

**AS PER E2/ASI**

	<b>SITUATION 1</b>	<b>SITUATION 2</b>	<b>SITUATION 3</b>
	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 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)
Z	MIN. 50mm	MIN. 70mm	MIN. 90mm

**AS PER MRM CODE OF PRACTICE**

	<b>CATEGORY A</b>	<b>CATEGORY B</b>	<b>CATEGORY C</b>	<b>CATEGORY D</b>
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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)

UNDERSOAKER  
FLASHING REQUIRED  
FOR NZ MRM COP  
CATEGORY D ONLY

PRE-FINISHED  
BARGE FLASHING

PRE-FINISHED 8g  
WAFER-TEK SCREW

ALTERNATIVE  
OPTION  
BIRDS BEAK EDGE

HEMMED EDGE

BARGE BOARD PRE  
PRIMED

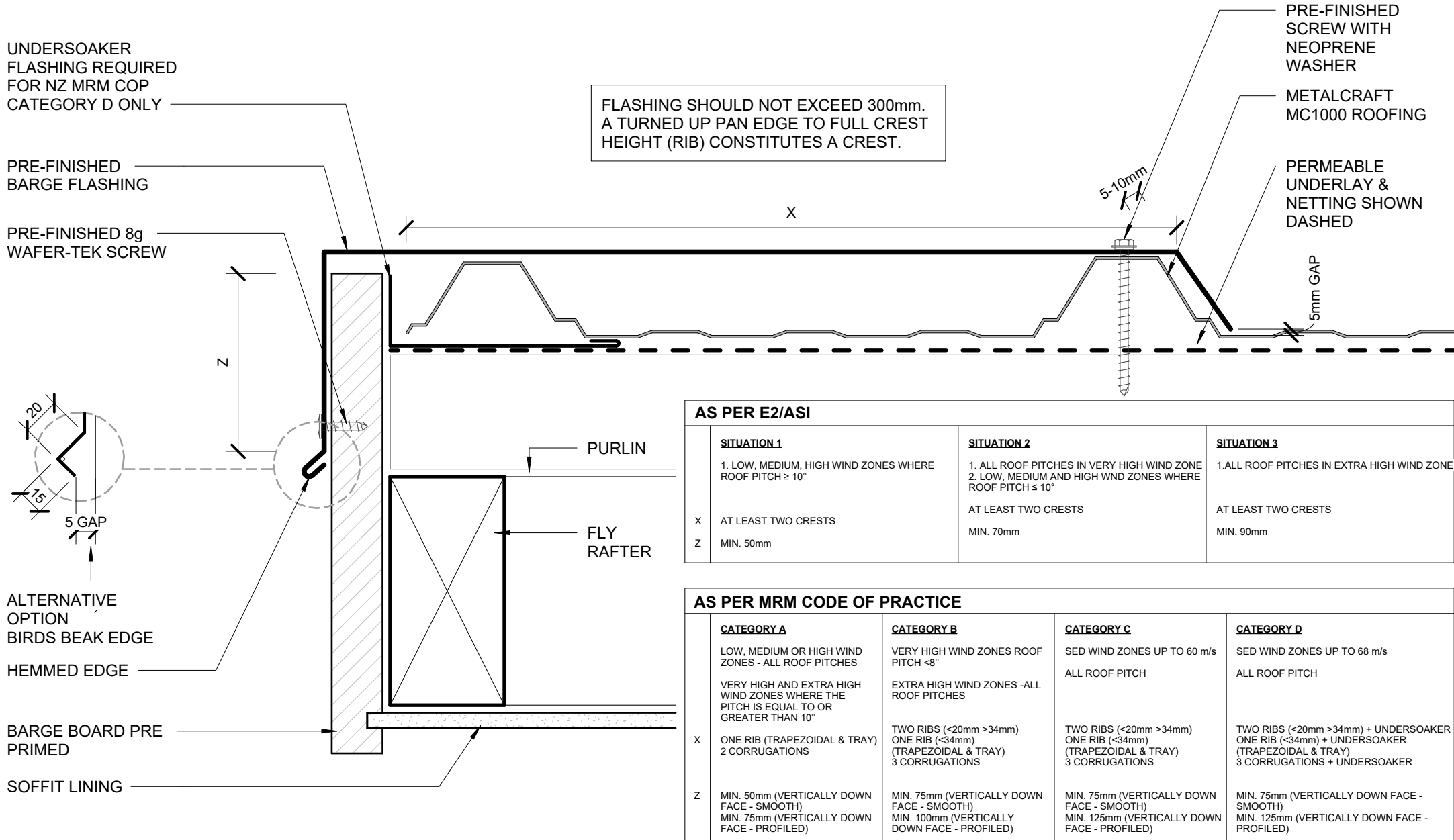
SOFFIT LINING

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

PRE-FINISHED  
SCREW WITH  
NEOPRENE  
WASHER

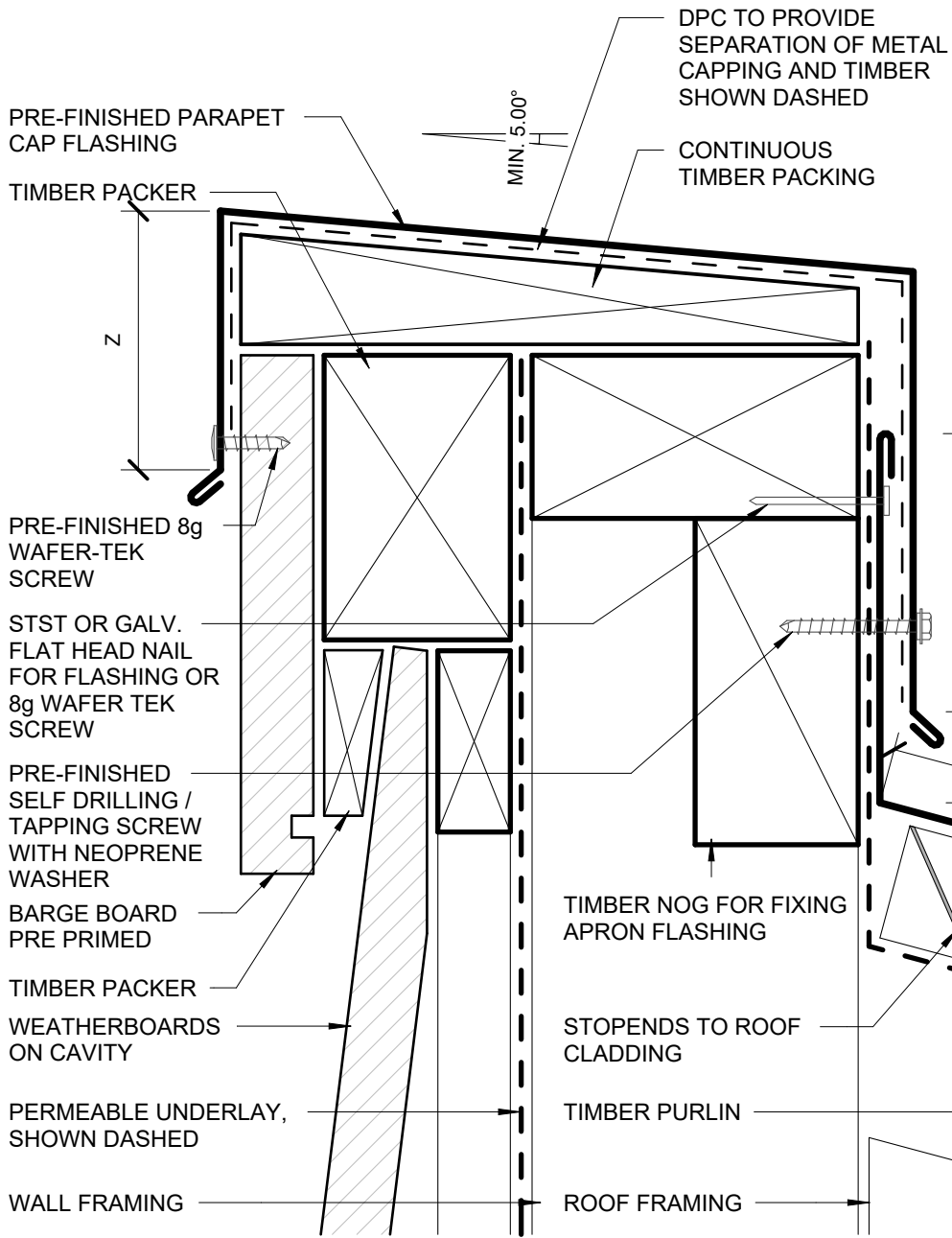
METALCRAFT  
MC1000 ROOFING

PERMEABLE  
UNDERLAY &  
NETTING SHOWN  
DASHED



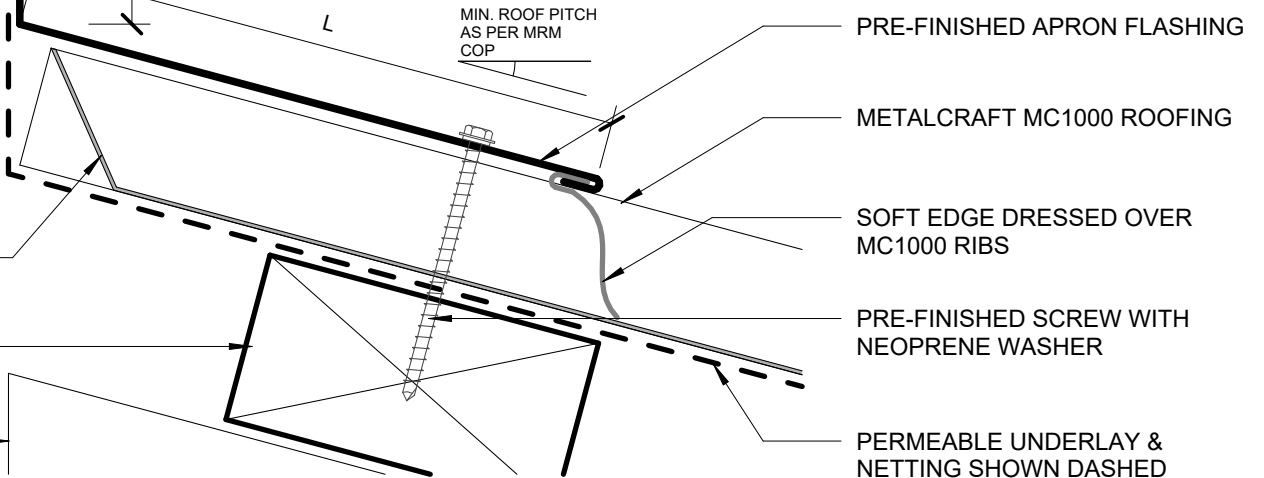
AS PER E2/ASI			
	SITUATION 1	SITUATION 2	SITUATION 3
	1. LOW, MEDIUM, HIGH WIND ZONES WHERE ROOF PITCH $\geq 10^\circ$	1. ALL ROOF PITCHES IN VERY HIGH WIND ZONE 2. LOW, MEDIUM AND HIGH WND ZONES WHERE ROOF PITCH $\leq 10^\circ$	1. ALL ROOF PITCHES IN EXTRA HIGH WIND ZONE
X	AT LEAST TWO CRESTS	AT LEAST 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 $10^\circ$	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	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)

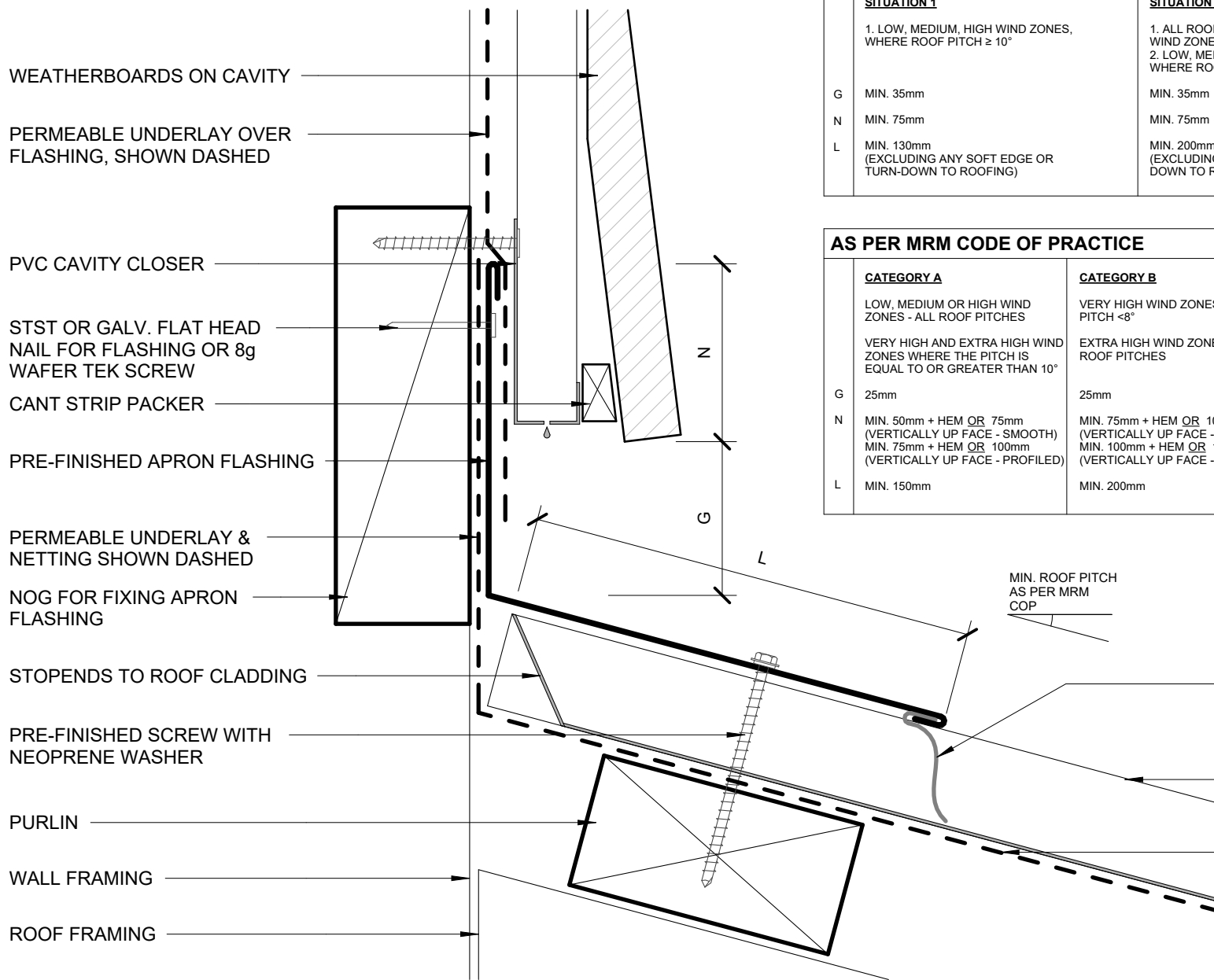


AS PER E2/ASI			
	SITUATION 1	SITUATION 2	SITUATION 3
	1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH $\geq 10^\circ$	1. VERY HIGH WIND ZONE 2. LOW, MEDIUM AND HIGH WIND ZONES WHERE ROOF PITCHES $\leq 10^\circ$	1. ALL ROOF PITCHES IN EXTRA HIGH WIND ZONE
G	MIN. 35mm	MIN. 35mm	MIN. 35mm
N	MIN. 75mm	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 $10^\circ$	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)







WEATHERBOARDS ON CAVITY

PERMEABLE UNDERLAY OVER FLASHING, SHOWN DASHED

PVC CAVITY CLOSER

STST OR GALV. FLAT HEAD NAIL FOR FLASHING OR 8g WAFER TEK SCREW

CANT STRIP PACKER

PRE-FINISHED APRON FLASHING

PERMEABLE UNDERLAY & NETTING SHOWN DASHED

NOG FOR FIXING APRON FLASHING

STOPENDS TO ROOF CLADDING

PRE-FINISHED SCREW WITH NEOPRENE WASHER

PURLIN

WALL FRAMING

ROOF FRAMING

MIN. ROOF PITCH AS PER MRM COP

SOFT EDGE DRESSED OVER MC1000 RIBS

METALCRAFT MC1000 ROOFING

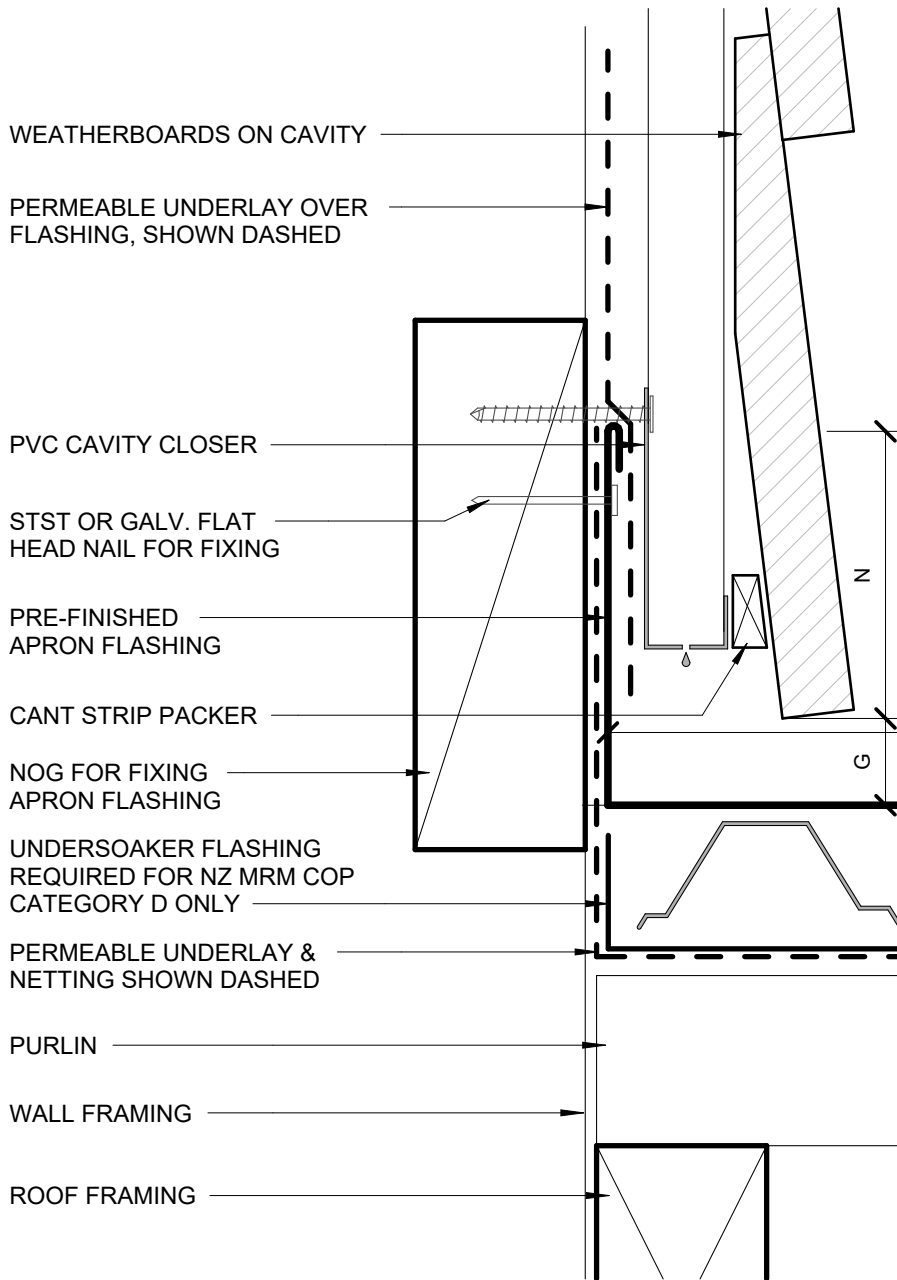
PERMEABLE UNDERLAY & NETTING SHOWN DASHED

**AS PER E2/ASI**

	<b>SITUATION 1</b>	<b>SITUATION 2</b>	<b>SITUATION 3</b>
	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**

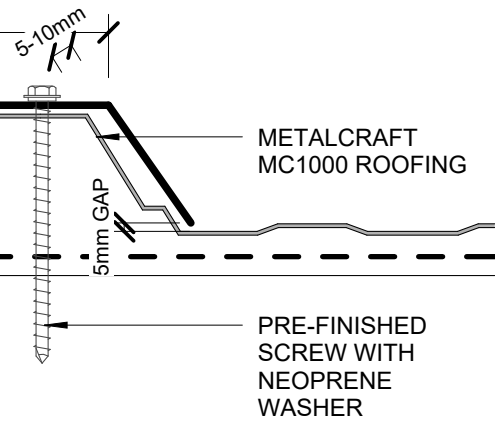
	<b>CATEGORY A</b>	<b>CATEGORY B</b>	<b>CATEGORY C</b>	<b>CATEGORY D</b>
	LOW, MEDIUM OR HIGH WIND ZONES - ALL ROOF PITCHES  VERY HIGH AND EXTRA HIGH WIND ZONES WHERE THE PITCH IS EQUAL TO OR GREATER THAN $10^\circ$	VERY HIGH WIND ZONES ROOF PITCH $< 8^\circ$  EXTRA HIGH WIND ZONES - ALL ROOF PITCHES	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. 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

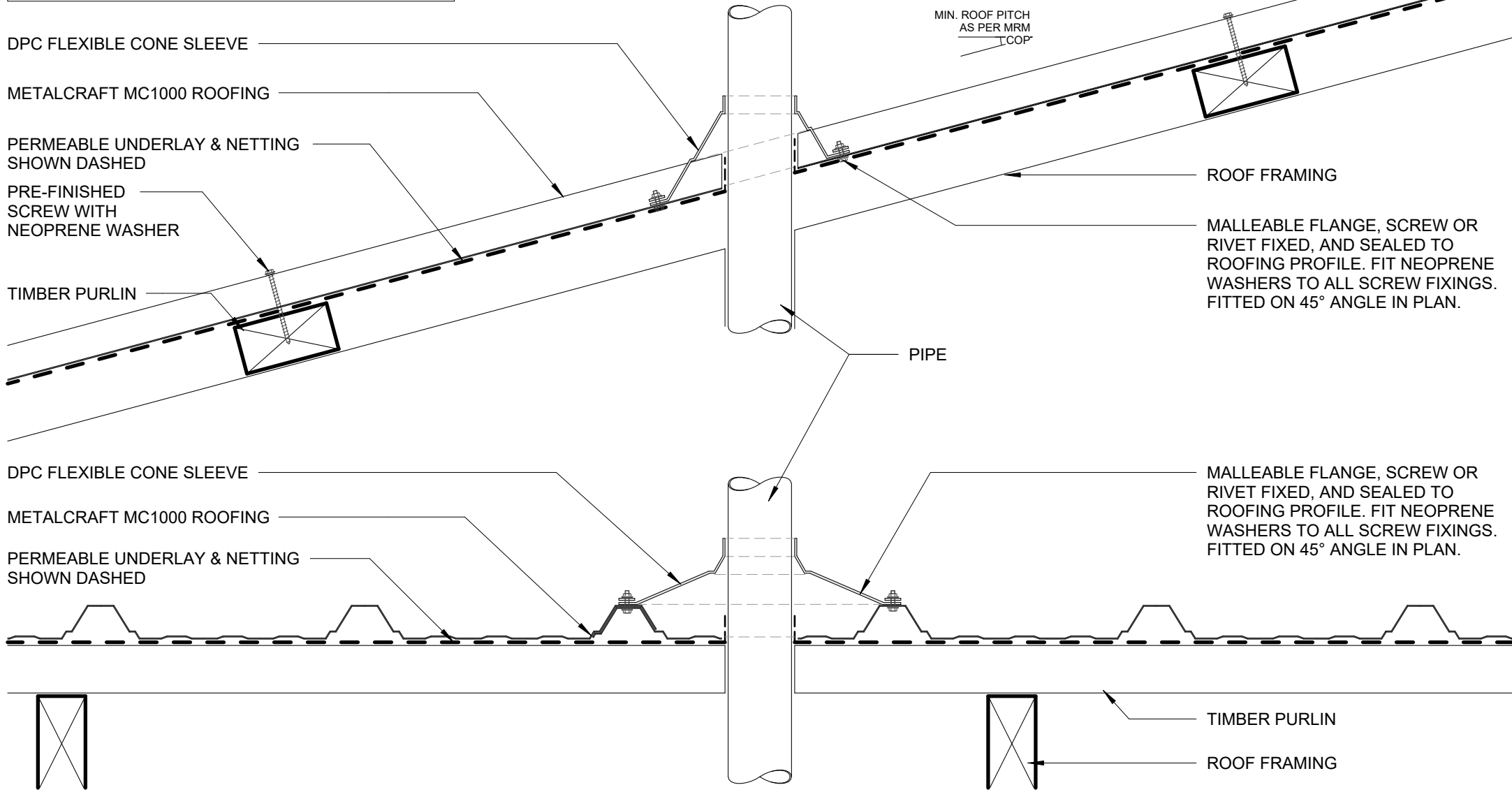
AS PER MRM CODE OF PRACTICE				
	CATEGORY A	CATEGORY B	CATEGORY C	CATEGORY D
	LOW, MEDIUM OR HIGH WIND ZONES - ALL ROOF PITCHES  VERY HIGH AND EXTRA HIGH WIND ZONES WHERE THE PITCH IS EQUAL TO OR GREATER THAN $10^\circ$	VERY HIGH WIND ZONES ROOF PITCH $< 8^\circ$  EXTRA HIGH WIND ZONES - ALL ROOF PITCHES	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)
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

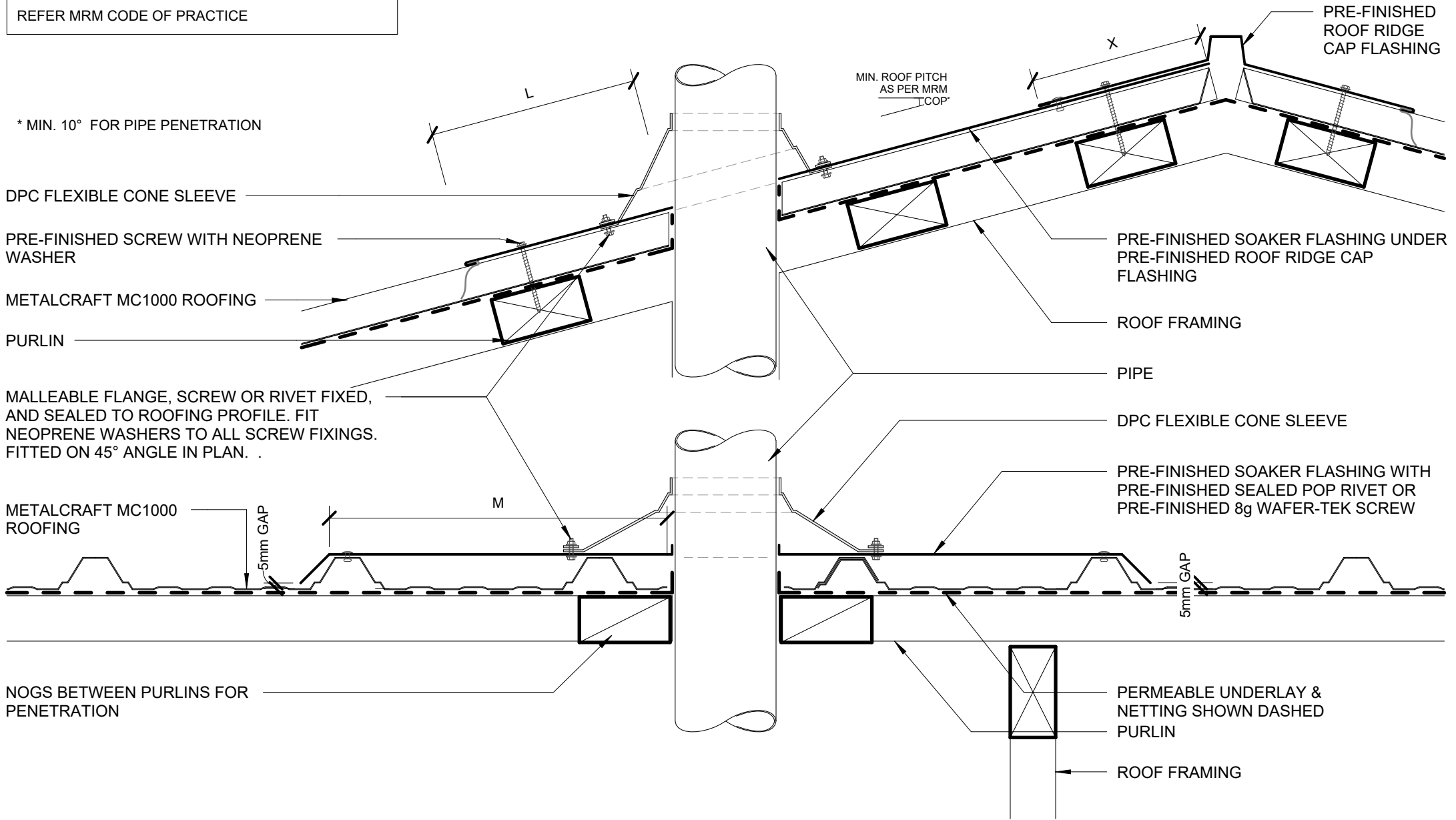
REFER MRM CODE OF PRACTICE

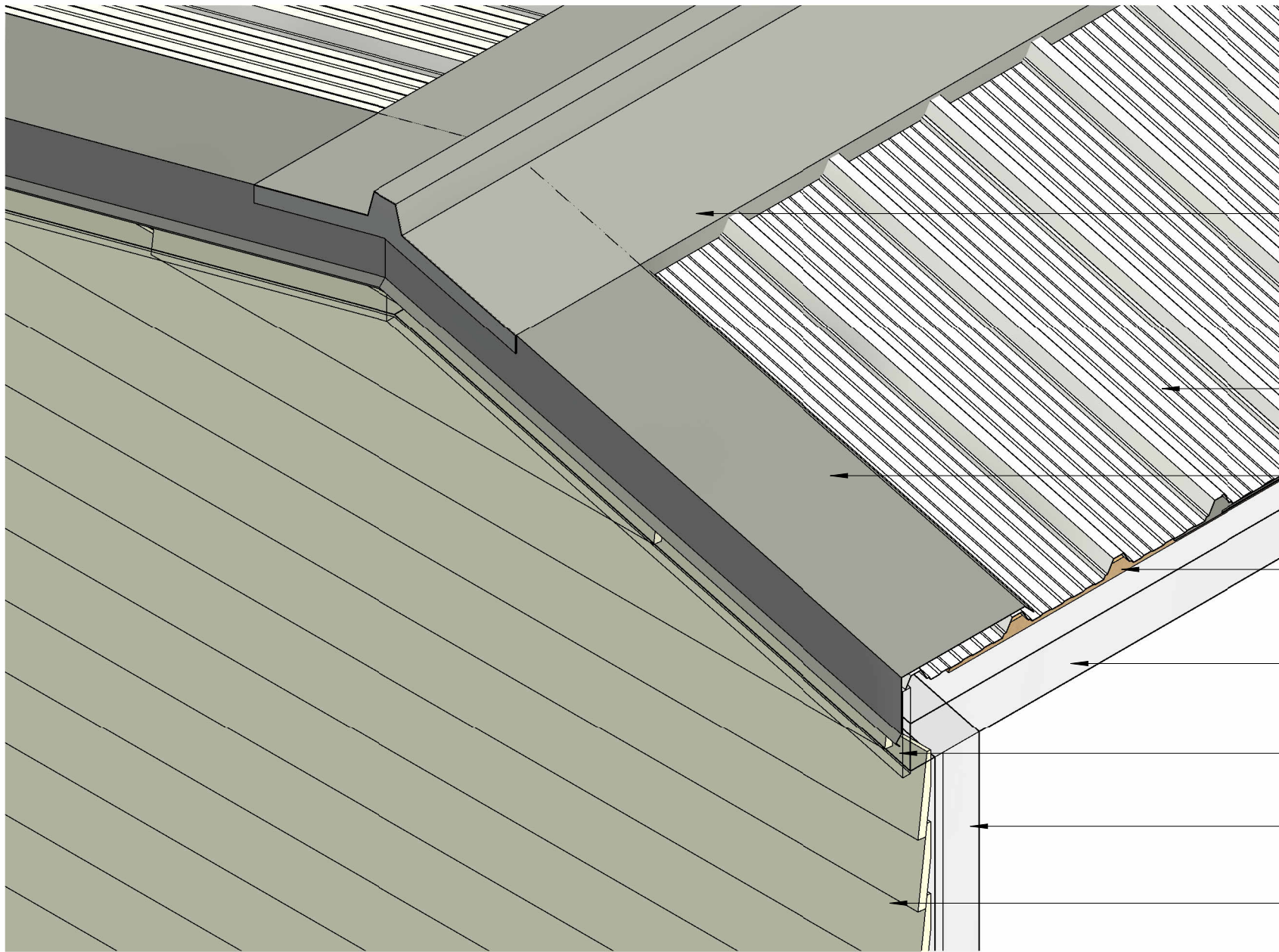


\* MIN. 3° FOR PIPE PENETRATION WITH A BOOT FLASHING

REFER MRM CODE OF PRACTICE

\* MIN. 10° FOR PIPE PENETRATION





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

PRE-FINISHED RIDGE CAP FLASHING

METALCRAFT MC1000

PRE-FINISHED BARGE FLASHING

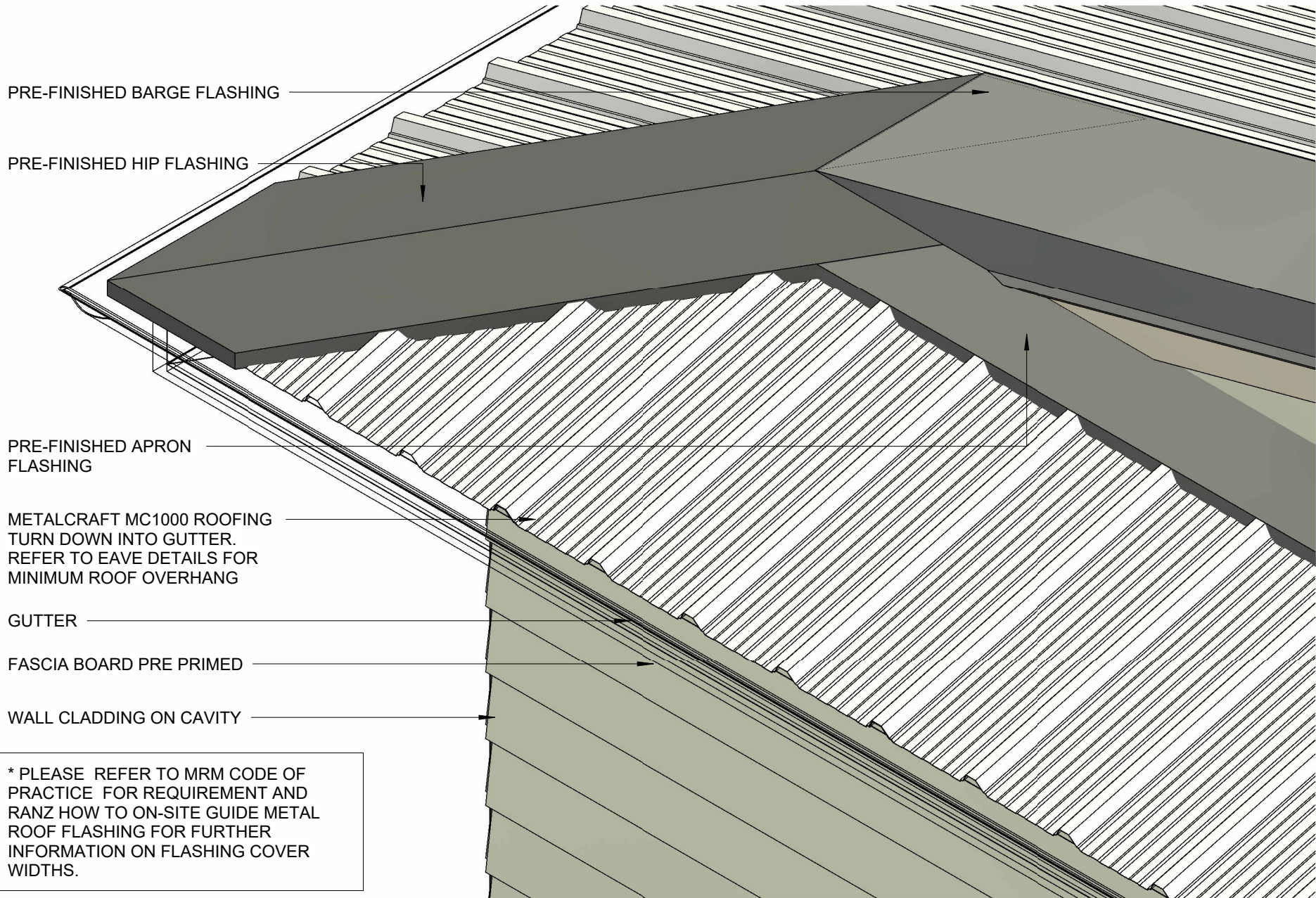
PURLIN

ROOF FRAMING

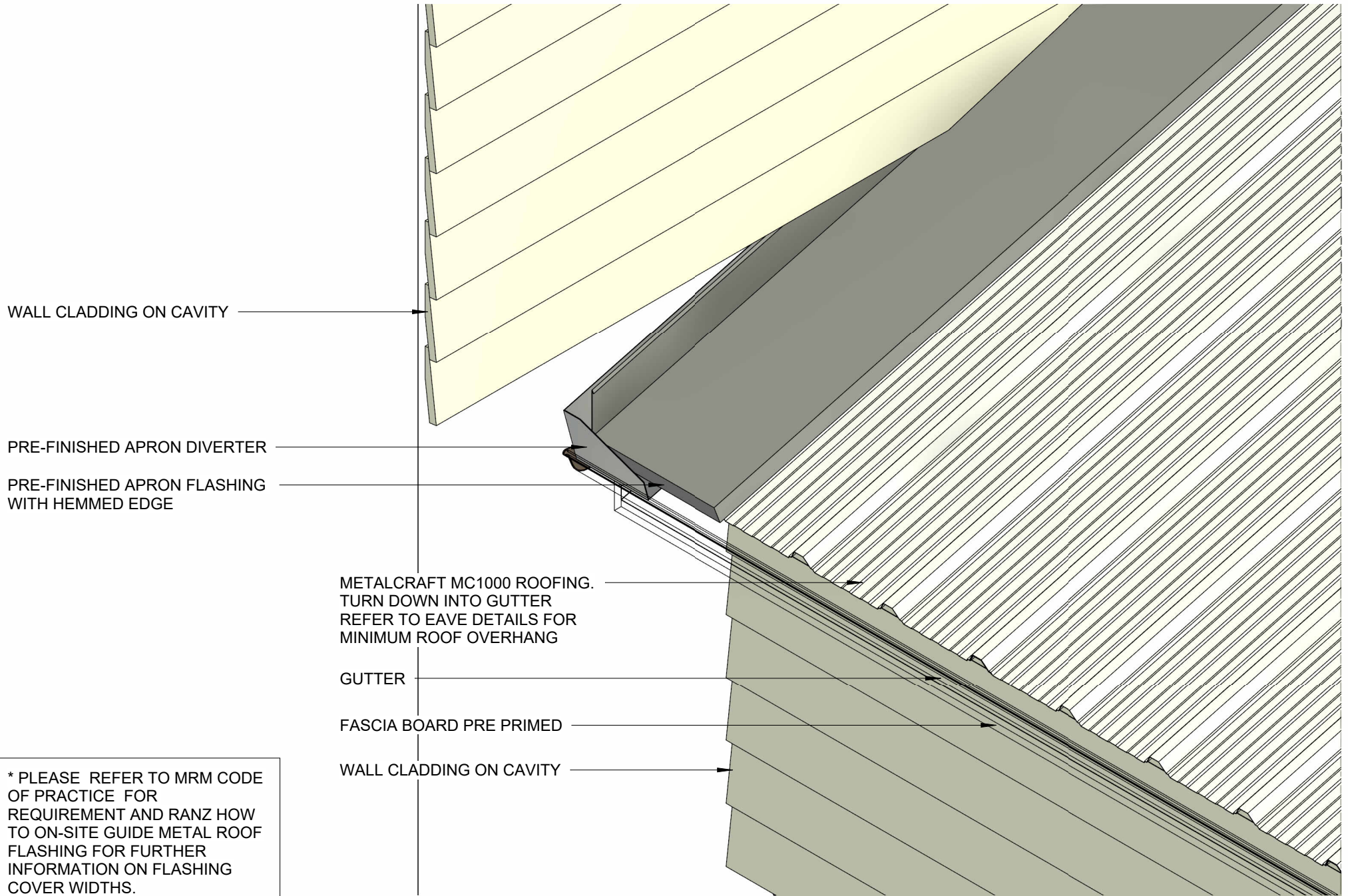
FASCIA BOARD PRE PRIMED

WALL FRAMING

WALL CLADDING ON CAVITY

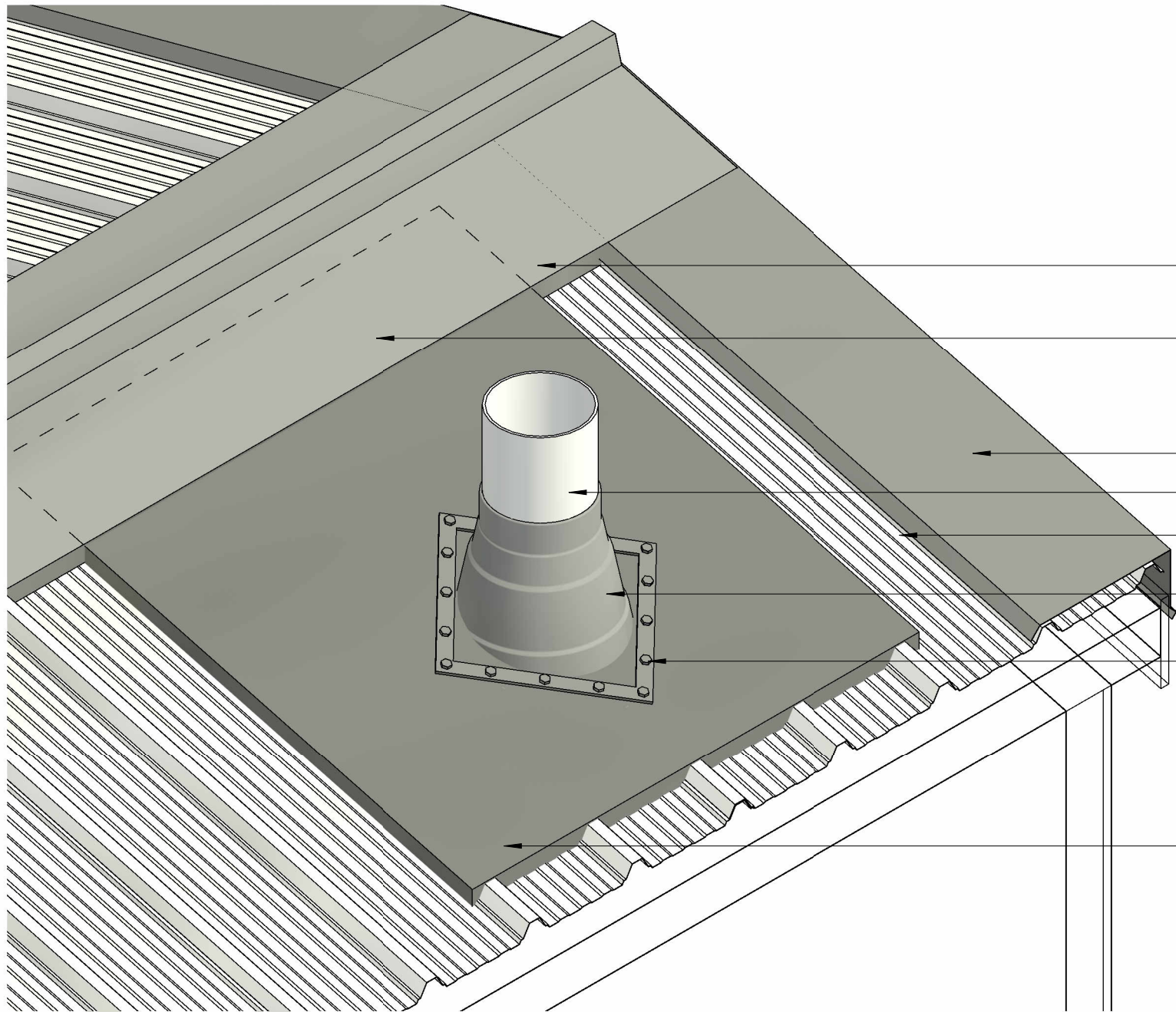


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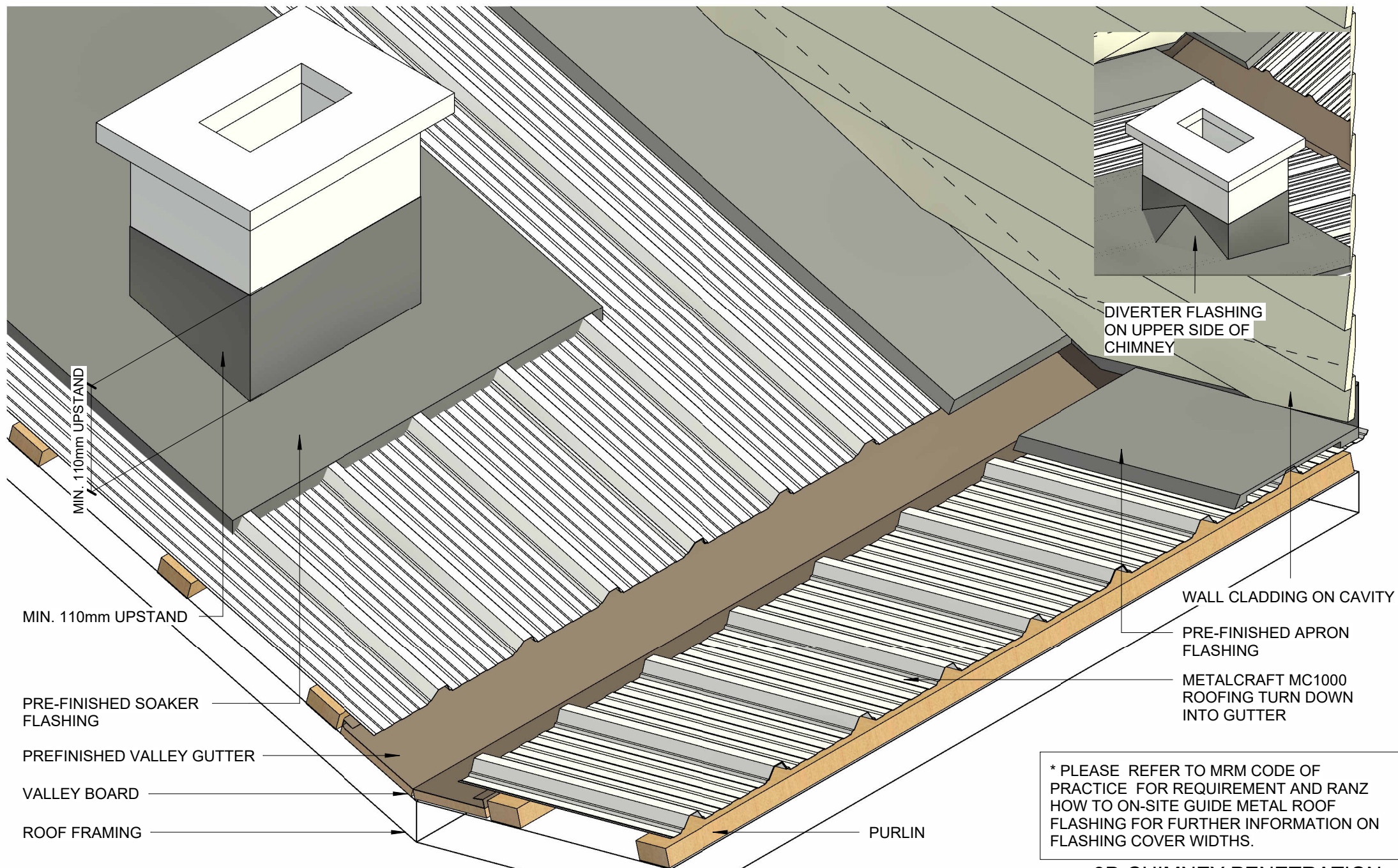
\* PLEASE REFER TO MRM CODE OF PRACTICE FOR REQUIREMENT AND RANZ HOW TO ON-SITE GUIDE METAL ROOF FLASHING FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS.



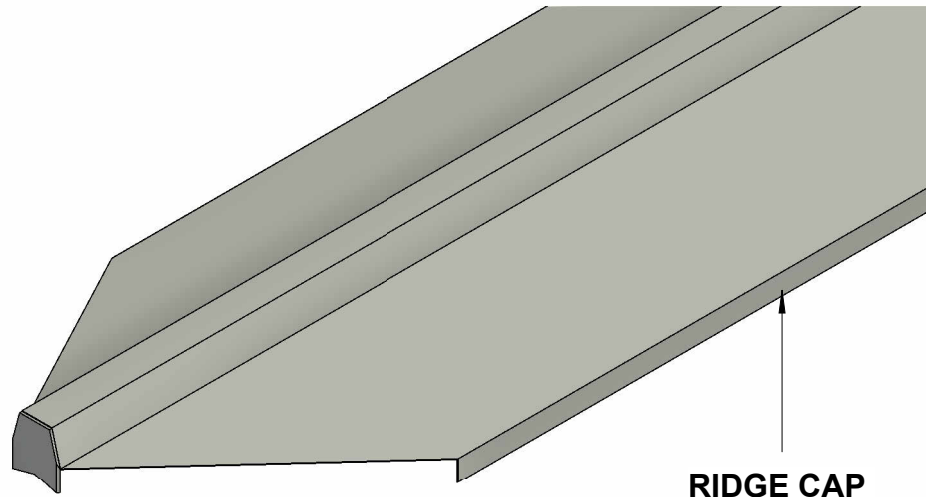
- PRE-FINISHED ROOF RIDGE FLASHING
- PRE-FINISHED SOAKER FLASHING LINE UNDER PRE-FINISHED ROOF RIDGE FLASHING
- PRE-FINISHED ROOF BARGE FLASHING
- PIPE (DIAMETER OVER 85mm)
- METALCRAFT MC1000 ROOFING
- NEOPRENE FLEXIBLE CONE SLEEVE
- MALLEABLE FLANGE, SCREW OR RIVET FIXED, AND SEALED TO ROOFING PROFILE. FIT NEOPRENE WASHERS TO ALL SCREW FIXINGS. FITTED ON 45° ANGLE IN PLAN.
- PRE-FINISHED SOAKER FLASHING

**3D OVER 85mm DIAMETER PIPE PENETRATION**

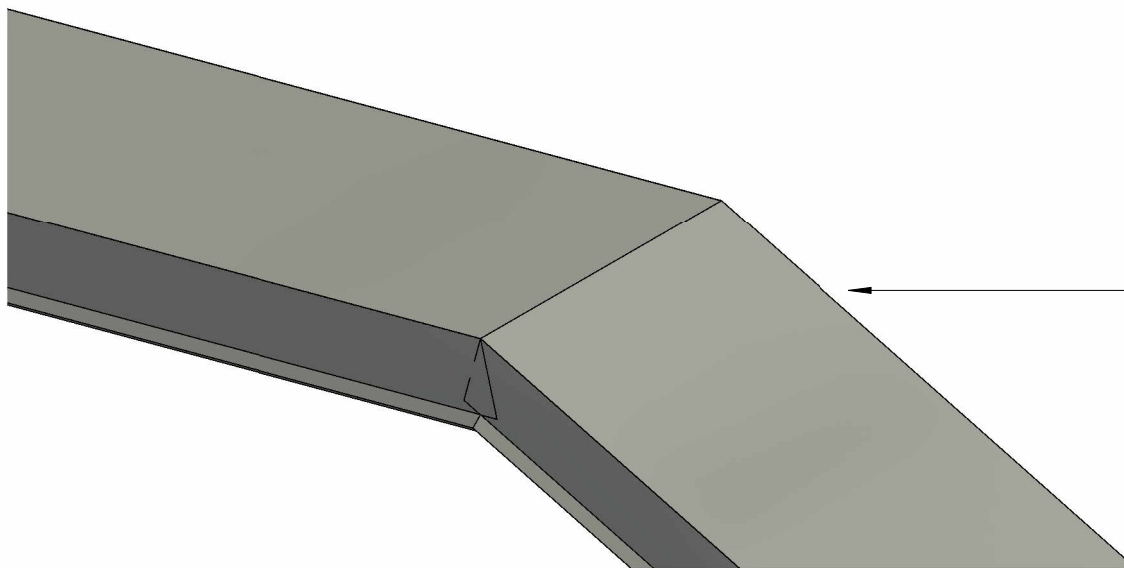




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**RIDGE CAP FLASHING**

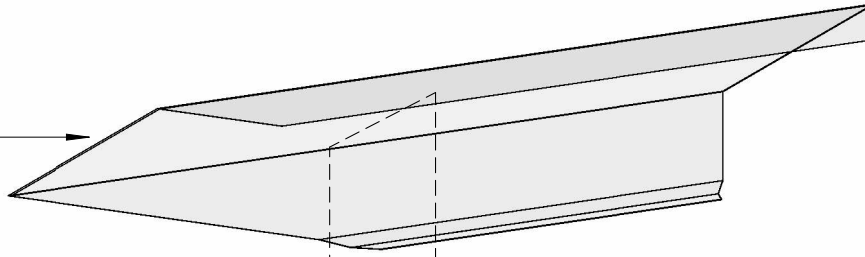


**BARGE FLASHING**

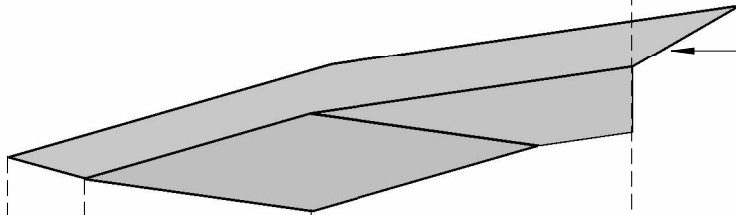
\*PLEASE REFER TO MRM CODE OF PRACTICE FOR REQUIREMENT AND RANZ HOW TO ON-SITE GUIDE METAL ROOF FLASHINGS FOR FURTHER INFORMATION ON FLASHING COVER WIDTH

**3D RIDGE/BARGE FLASHINGS**  
RESIDENTIAL ROOFING

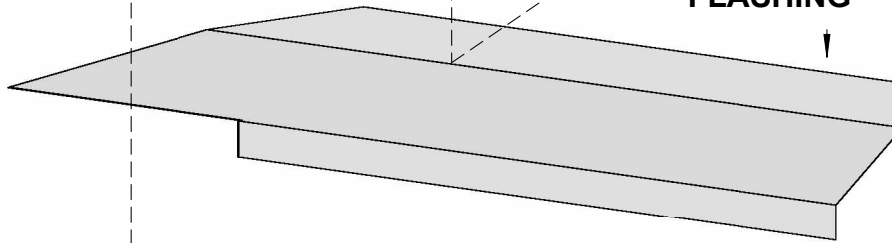
**(4) PRE-FINISHED BARGE FLASHING**



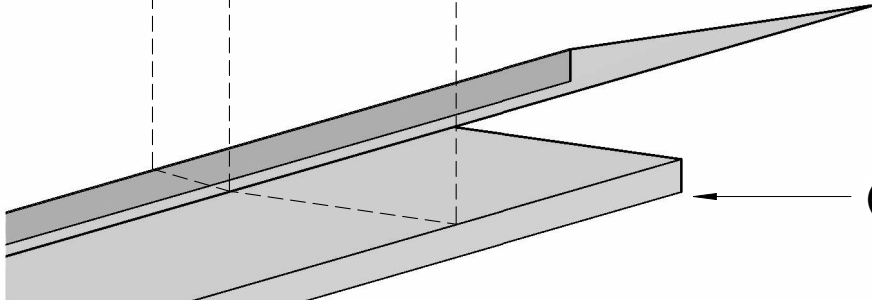
**(3) PRE-FINISHED 3D SADDLE FLASHING**



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



**(1) PRE-FINISHED HIP FLASHING**



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

