

MC 1000

RESIDENTIAL ROOFING

DETAIL LIST

		<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 WITH NO SOFFIT	3.0	SEP 2024
A 04 / 26	SAWTOOTH RIDGE WITH SOFFIT	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

DETAIL LIST

		<u>Revision</u>	<u>Date</u>
A 15 / 26	PRARPET 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	3D OVER 85mm DIAMETER PIPE 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 MC1000
ROOFING

PRE-FINISHED SCREW
WITH NEOPRENE
WASHER

SOFT EDGE DRESSED
OVER MC1000 RIBS

PURLIN

ROOF FRAMING

PERMEABLE UNDERLAY &
NETTING SHOWN
DASHED

AS PER E2/ASI

SITUATION 1

1. LOW, MEDIUM, HIGH WIND ZONES, WHERE
ROOF PITCH $\geq 10^\circ$

X

MIN. 130mm
(EXCLUDING ANY SOFT EDGE OR TURN-DOWN
TO ROOFING)

SITUATION 2

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)

SITUATION 3

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

CATEGORY A

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. 130mm

CATEGORY B

VERY HIGH WIND ZONES ROOF
PITCH $< 8^\circ$

EXTRA HIGH WIND ZONES - ALL
ROOF PITCHES

MIN. 200mm

CATEGORY C

SED WIND ZONES UP TO 60 m/s
ALL ROOF PITCH

MIN. 200mm

CATEGORY D

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 MC1000
ROOFING

PRE-FINISHED SCREW
WITH NEOPRENE
WASHER

SOFT EDGE DRESSED
OVER MC1000 RIBS

PURLIN

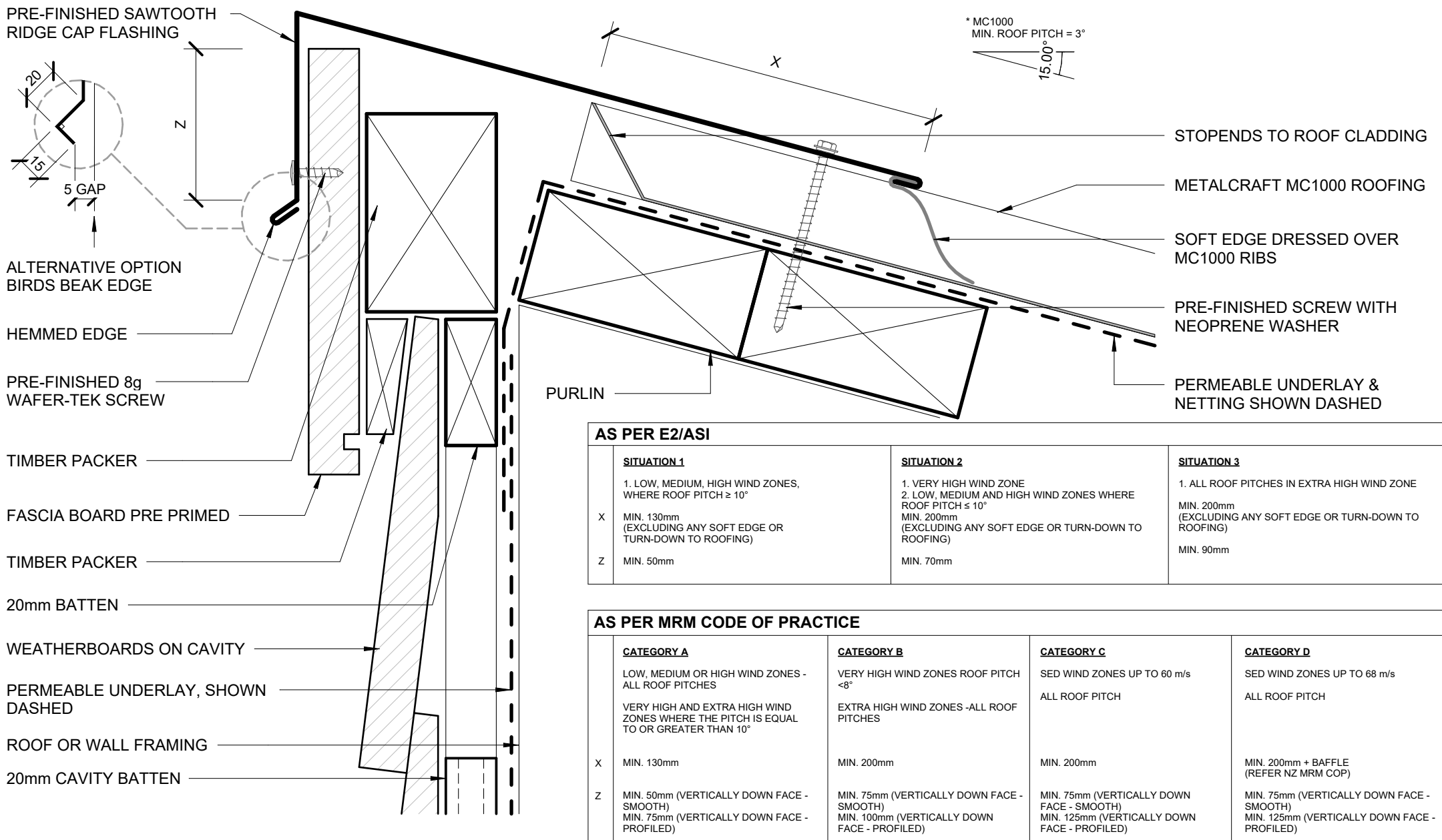
ROOF FRAMING

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)

* MC1000 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 SAWTOOTH
RIDGE CAP FLASHING

Z

X

STOPENDS TO ROOF CLADDING

SOFT EDGE DRESSED OVER MC1000 RIBS

METALCRAFT MC1000 ROOFING

PRE-FINISHED SCREW WITH
NEOPRENE WASHER

PERMEABLE UNDERLAY & NETTING
SHOWN DASHED

PURLIN

ALTERNATIVE OPTION
BIRDS BEAK EDGE

HEMMED EDGE

PRE-FINISHED 8g
WAFER-TEK SCREW

FASCIA BOARD PRE PRIMED

ROOF FRAMING

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. 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

	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	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)

METALCRAFT MC1000
ROOFING

PRE-FINISHED SELF
DRILLING/TAPPING
SCREW WITH NEOPRENE
WASHER

ROOF
FRAMING

PURLIN

VALLEY BOARD

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

PREFINISHED VALLEY GUTTER

VALLEY RAFTER

- FOR 8° DEGREES OR LOWER USE INTERNAL GUTTER DETAIL

OVERALL VALLEY GUTTER WIDTH MIN. 250mm

CLEARANCE BETWEEN ROOFING 50mm MIN.

MIN. 80mm

MIN. 80mm

MIN. 50mm

FREEBOARD

VALLEYS =

20mm MINIMUM FREEBOARD
UP TO 8 DEGREE ROOF PITCH

15mm MINIMUM FREEBOARD
OVER 8 DEGREE ROOF PITCH

* MC1000 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.

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MC 1000

Rev. 3.0

Reference RRM1000

Date SEP 2024

Scale 1 : 2

ROOF VALLEY
RESIDENTIAL ROOFING

Sheet **A 05 / 26**

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°.

MIN. 80mm

MIN. 80mm

FREEBOARD

VALLEYS =

20mm MINIMUM FREEBOARD
UP TO 8 DEGREE ROOF PITCH

15mm MINIMUM FREEBOARD
OVER 8 DEGREE ROOF PITCH

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 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

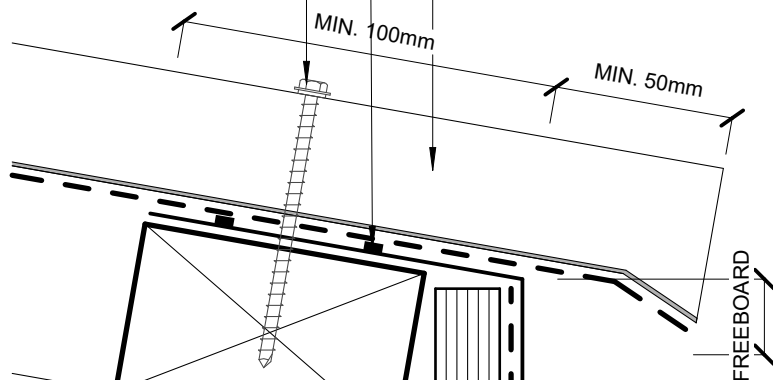
1. THE ARCHITECT OR DESIGNER CAN CHOOSE TO DESIGN IN ACCORDANCE WITH E2/AS1.

- FOR 8° DEGREES OR LOWER USE INTERNAL GUTTER DETAIL

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

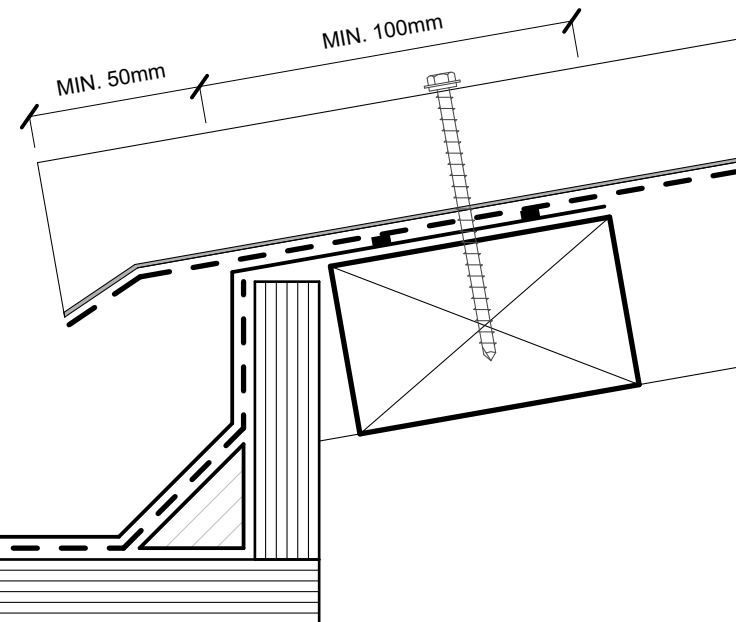
TIMBER FILLET

GUTTER BOARD

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

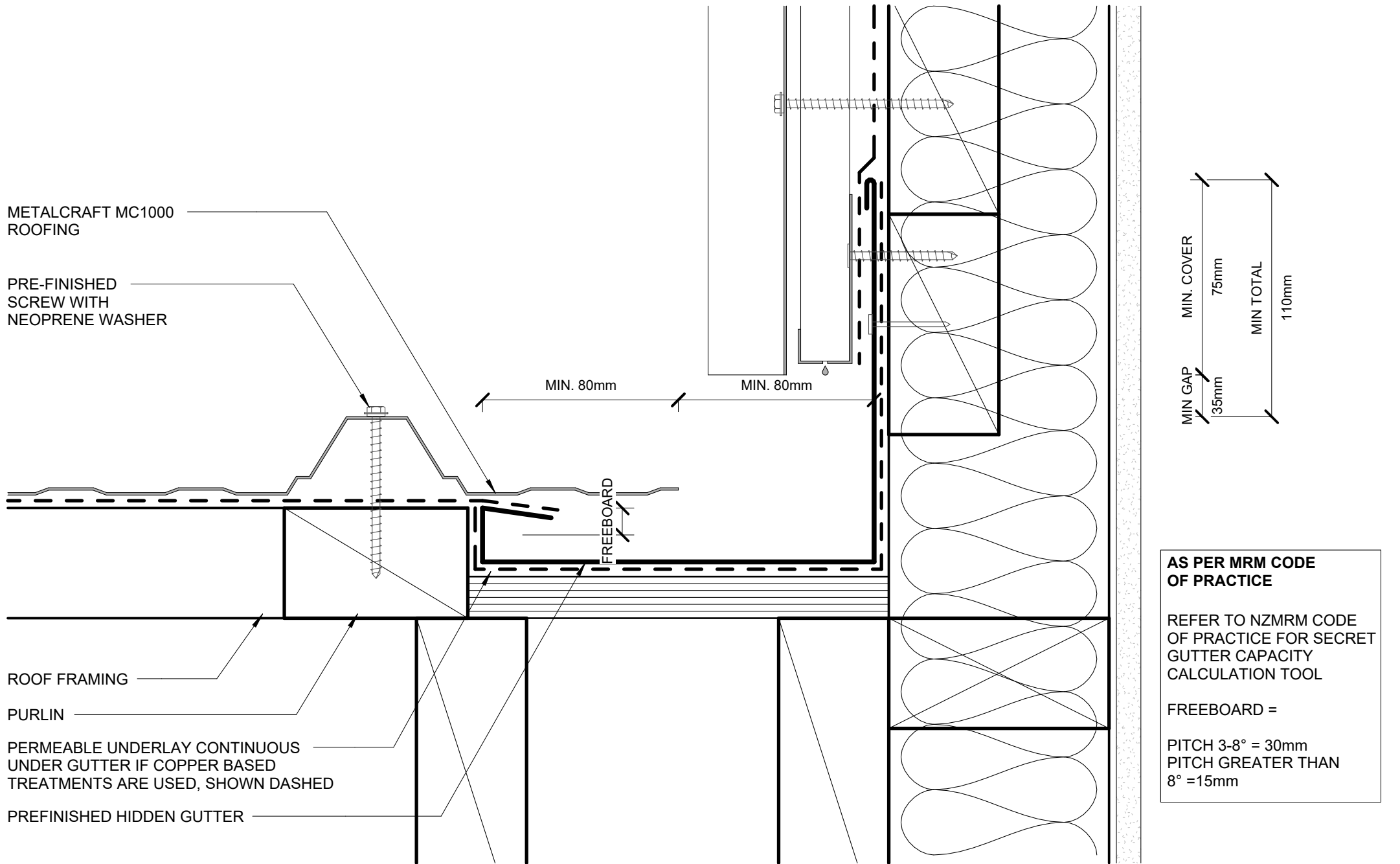
PREFINISHED INTERNAL GUTTER

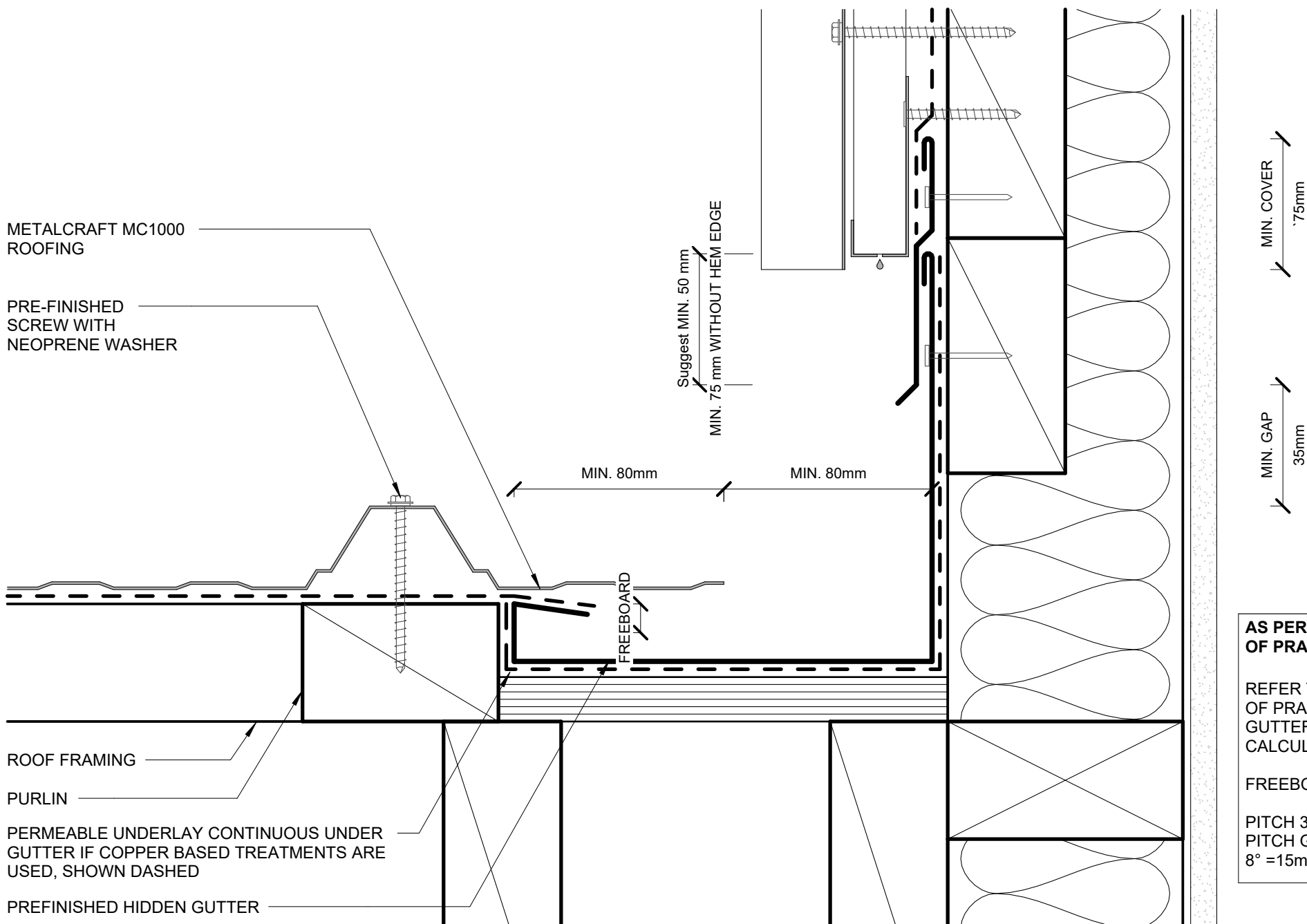
VALLEY RAFTER



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.



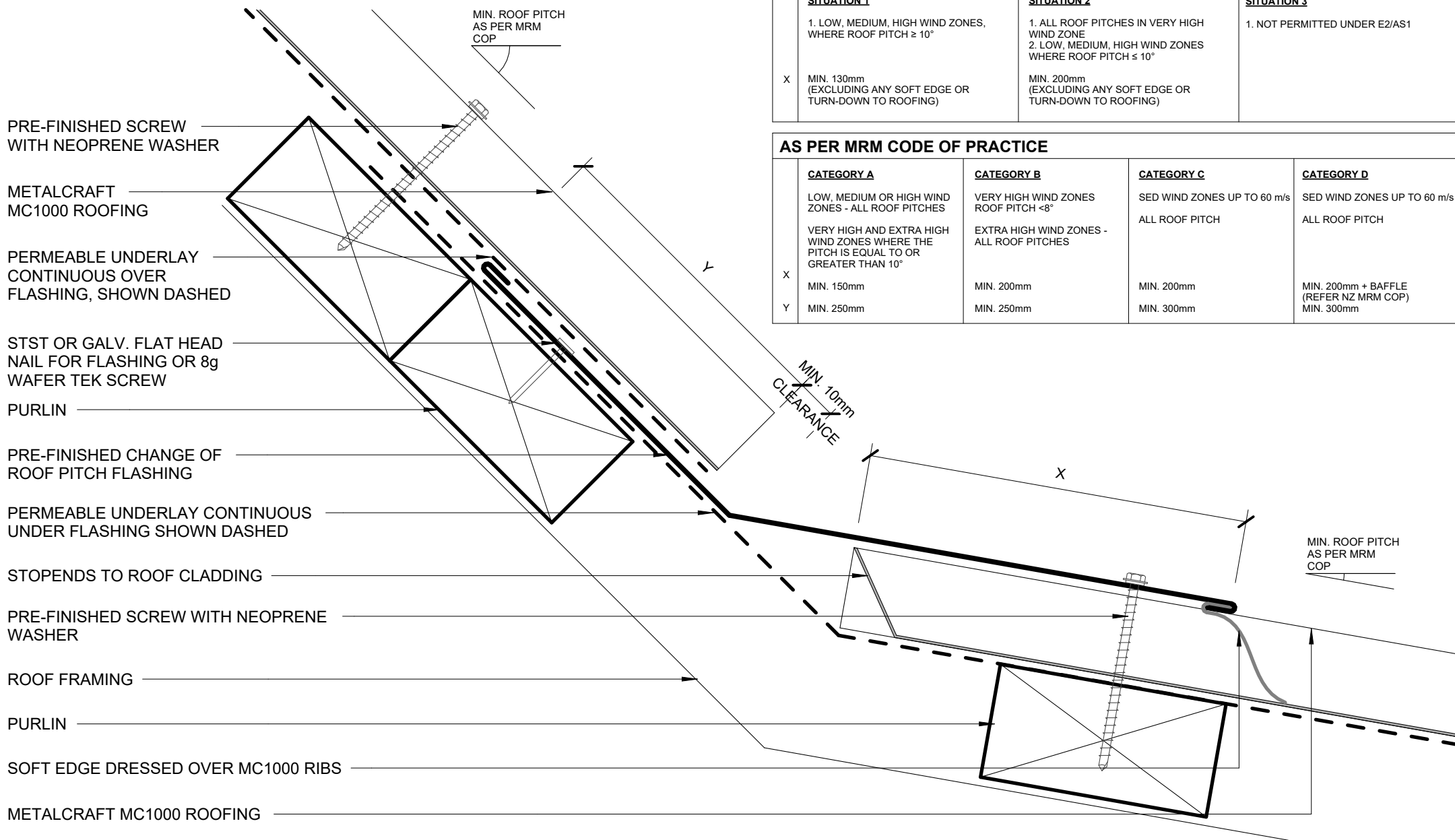


AS PER MRM CODE OF PRACTICE

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

	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)	
Y			

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. 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

MIN. 50mm

MIN. ROOF PITCH
AS PER MRM
COP

AS PER E2/AS1

	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. 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

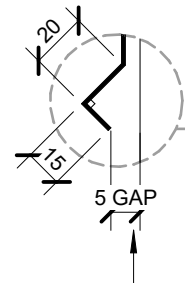
SOFFIT LINING

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UNDERSOAKER
FLASHING REQUIRED
FOR NZ MRM COP
CATEGORY D ONLY

PRE-FINISHED
BARGE FLASHING



ALTERNATIVE
OPTION
BIRDS BEAK EDGE

HEMMED EDGE

TIMBER PACKER

ROOF FRAMING

BARGE BOARD
PRE PRIMED

TIMBER PACKER

20mm BATTEN

WEATHERBOARDS
ON CAVITY

PERMEABLE UNDERLAY,
SHOWN DASHED

20mm CAVITY BATTEN

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

X

5-10mm

PRE-FINISHED SCREW WITH
NEOPRENE WASHER

METALCRAFT MC1000
ROOFING

5mm GAP

PERMEABLE UNDERLAY
& NETTING SHOWN
DASHED

PURLIN

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. 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

	<u>CATEGORY A</u>	<u>CATEGORY B</u>	<u>CATEGORY C</u>	<u>CATEGORY D</u>
	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

*IF VENTILATION IS REQUIRED

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Rev. 3.0

Reference RRM C1000

Date SEP 2024

BARGE WITH NO SOFFIT
RESIDENTIAL ROOFING

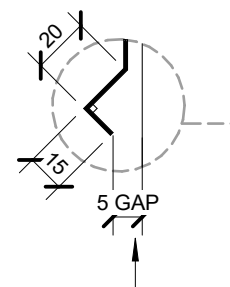
Scale 1 : 2

Sheet **A 13 / 26**

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

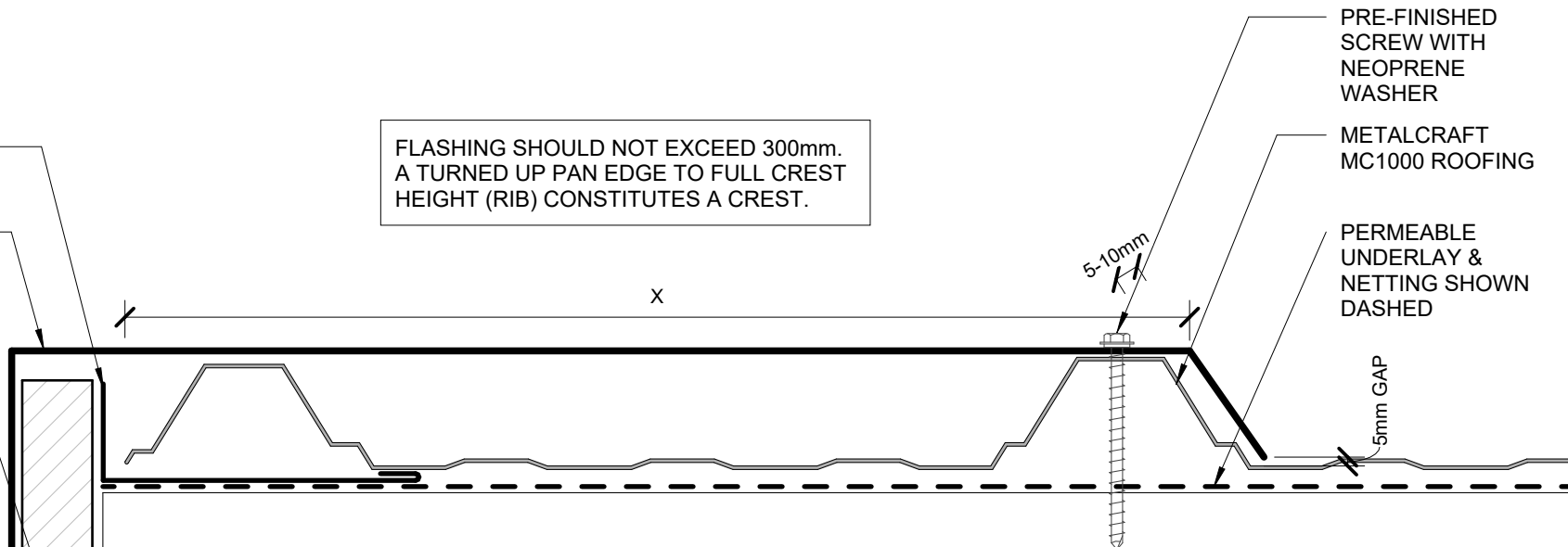
SOFFIT LINING

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



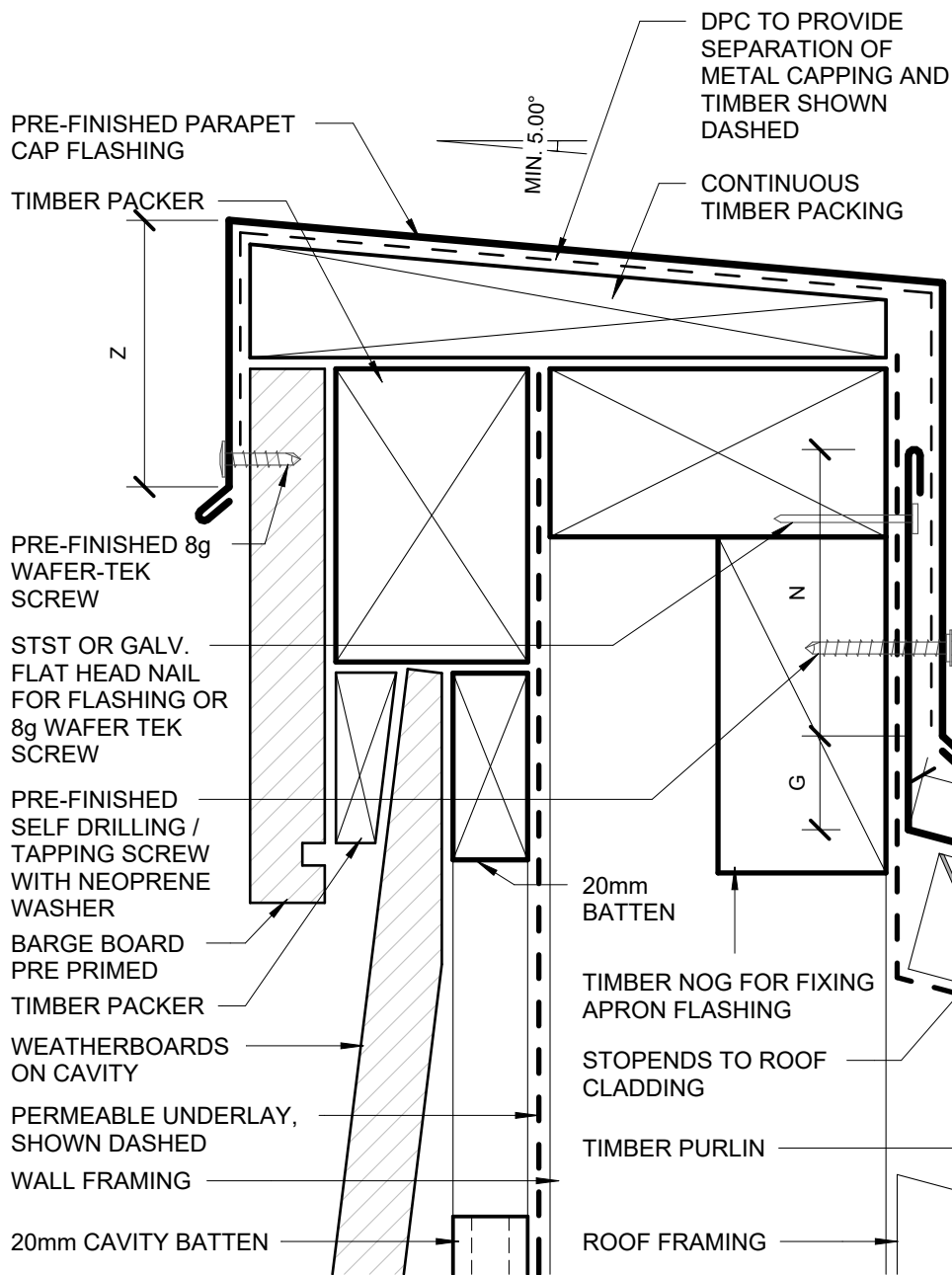
AS PER E2/ASI

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

	<u>CATEGORY A</u> 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°	<u>CATEGORY B</u> VERY HIGH WIND ZONES ROOF PITCH $< 8^\circ$ EXTRA HIGH WIND ZONES -ALL ROOF PITCHES	<u>CATEGORY C</u> SED WIND ZONES UP TO 60 m/s ALL ROOF PITCH	<u>CATEGORY D</u> 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

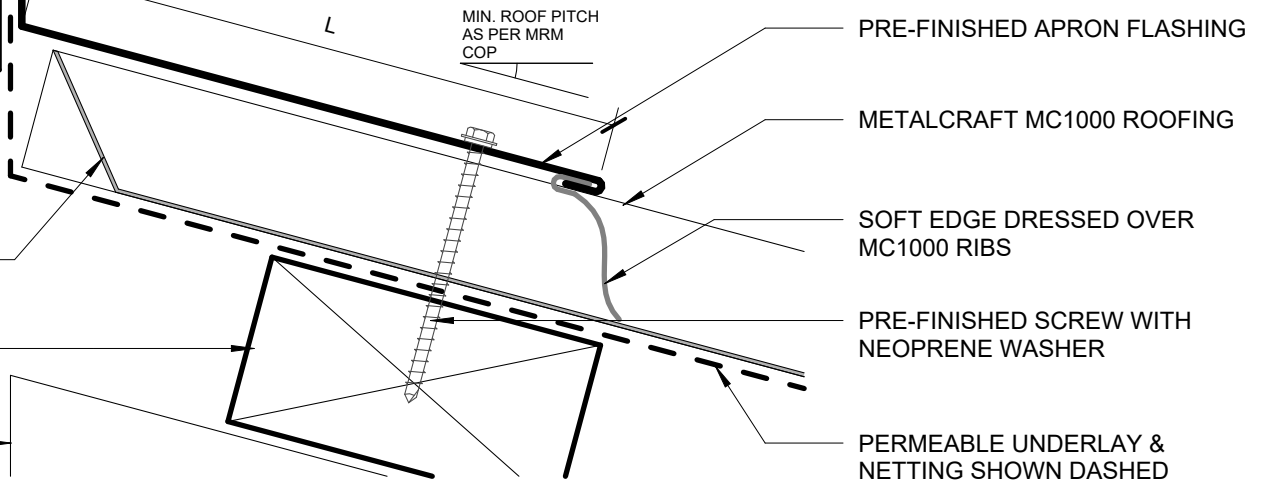


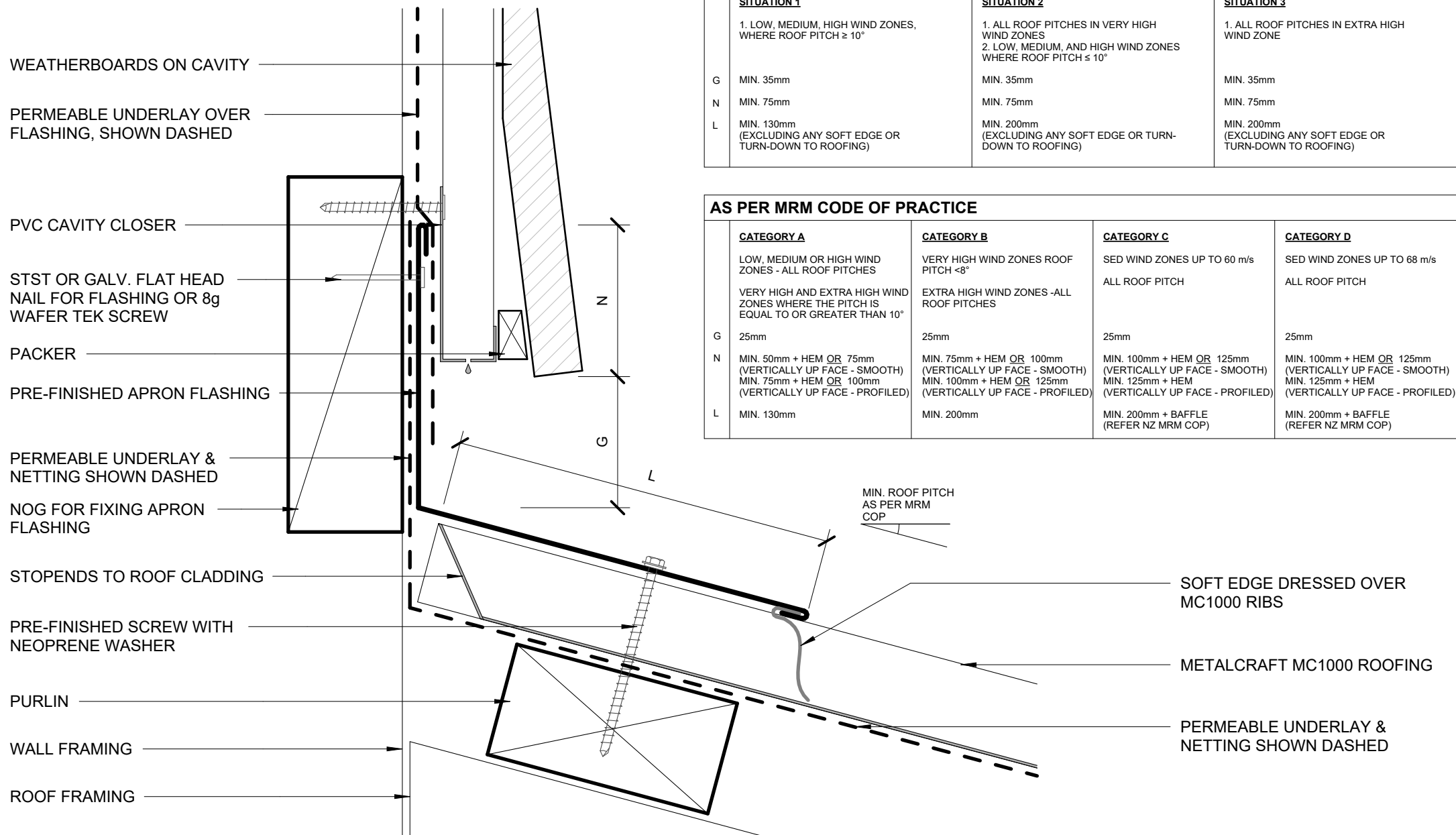
AS PER E2/ASI

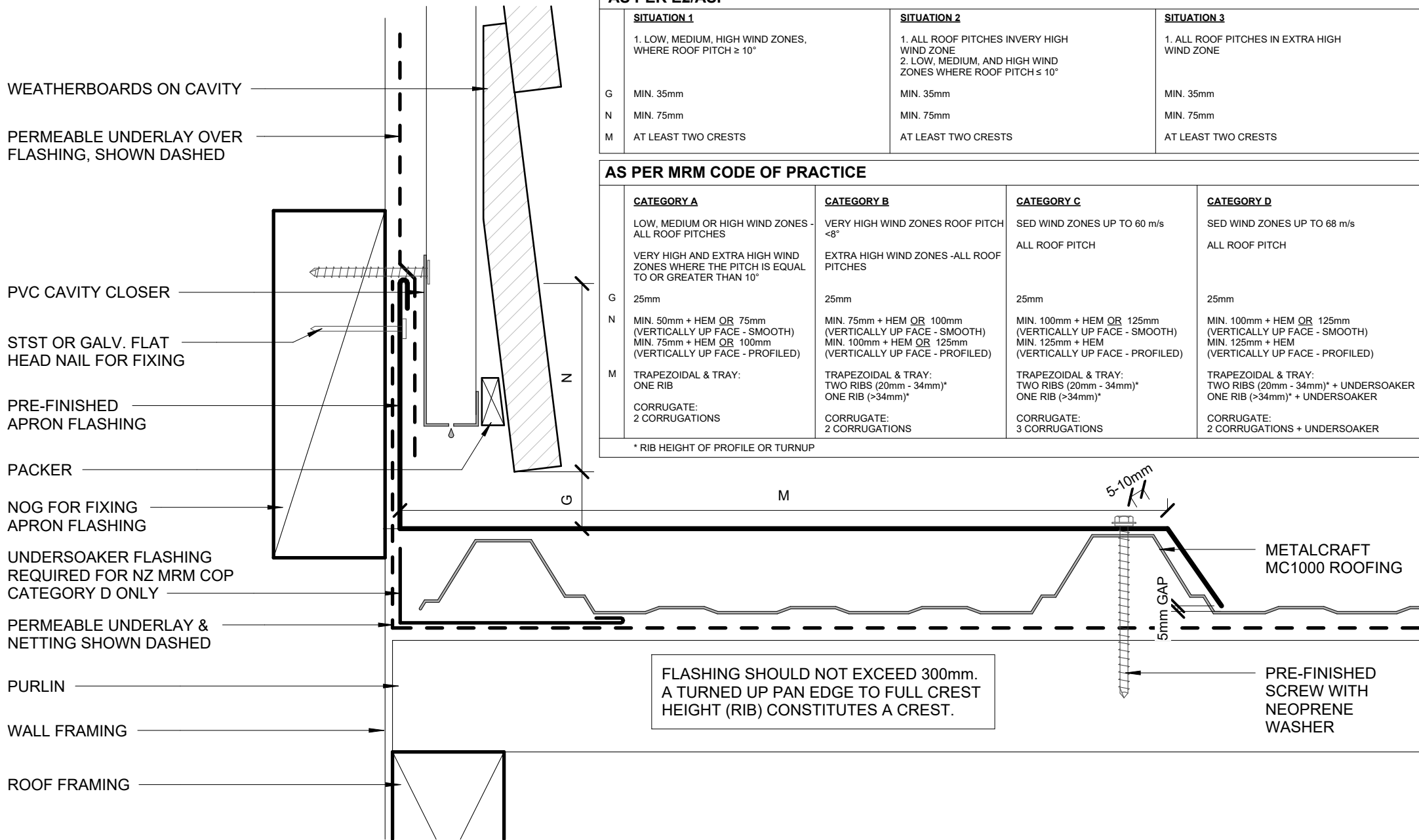
	SITUATION 1	SITUATION 2	SITUATION 3
	1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH $\geq 10^\circ$	1. VERY HIGH WIND ZONE 2. LOW, MEDIUM AND HIGH WIND ZONES WHERE ROOF PITCHES $\leq 10^\circ$	1. ALL ROOF PITCHES IN EXTRA HIGH WIND ZONE
G	MIN. 35mm	MIN. 35mm	MIN. 35mm
N	MIN. 75mm	MIN. 75mm	MIN. 75mm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

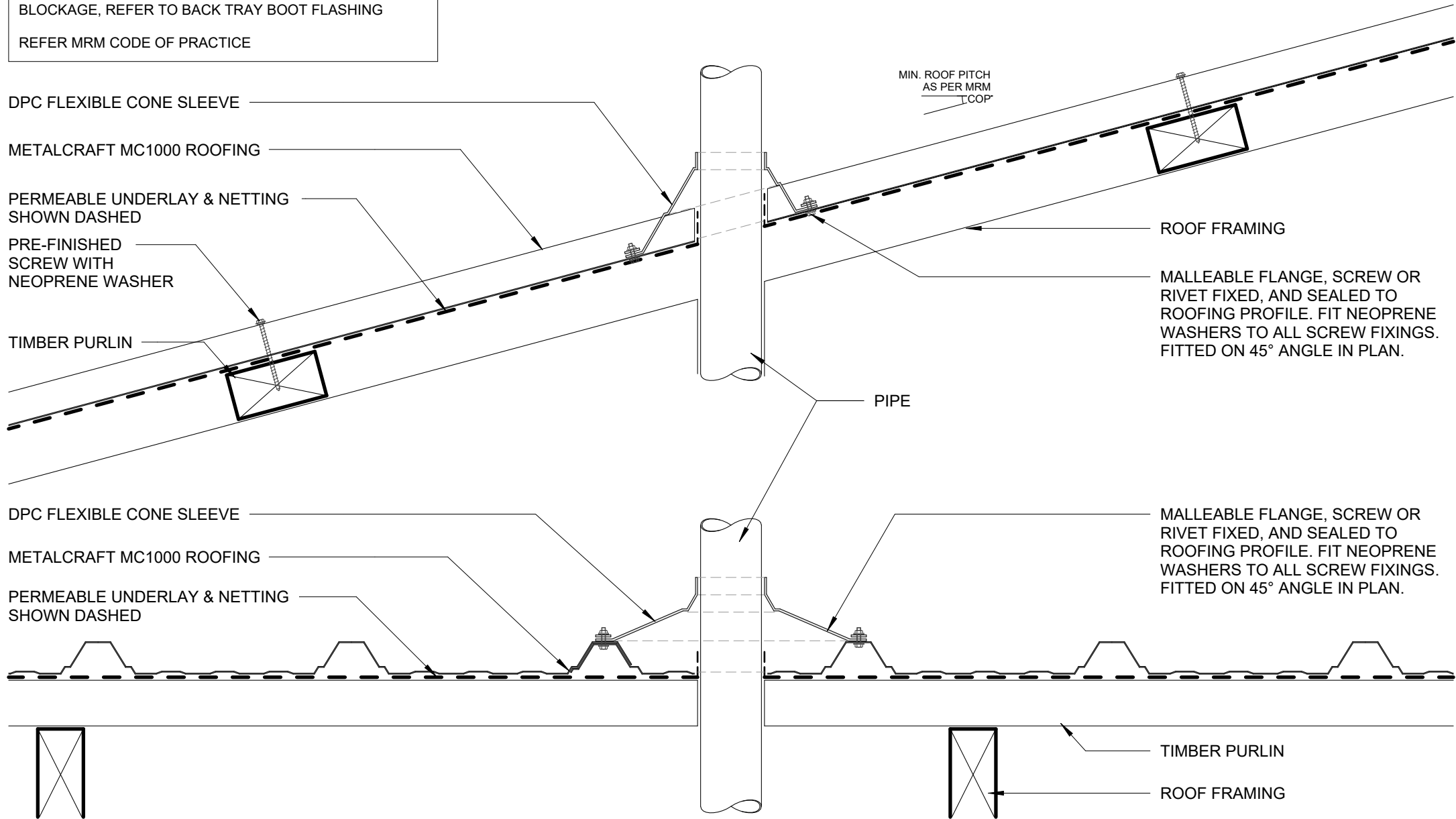






* MIN. 10° FOR PIPE PENETRATION. DIRECT FIX BOOT FLASHING IS APPLICABLE FOR WHEN LESS THAN 50% BLOCKAGE OCCURS. WHEN EXCEEDING 50% BLOCKAGE, REFER TO BACK TRAY BOOT FLASHING

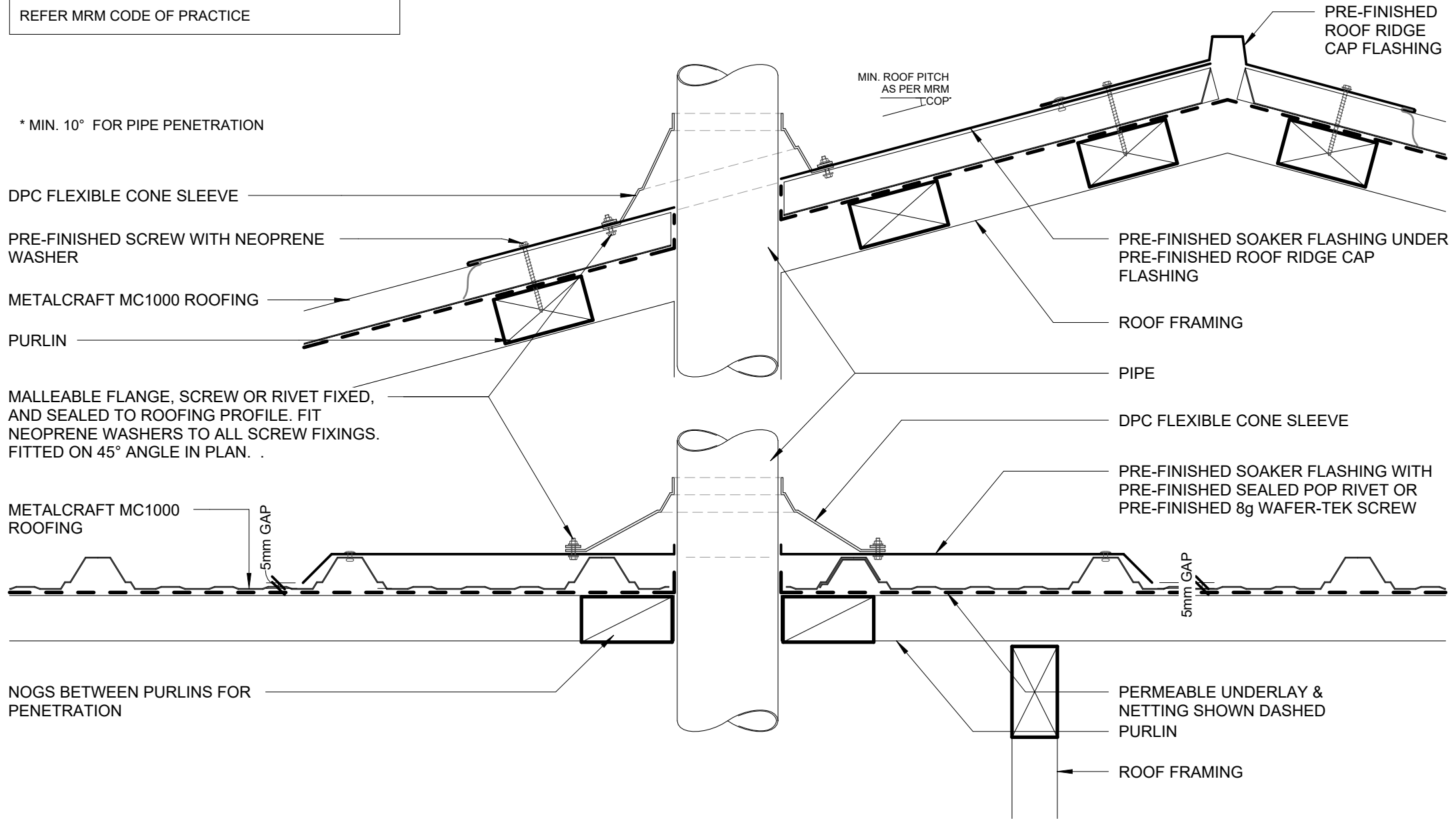
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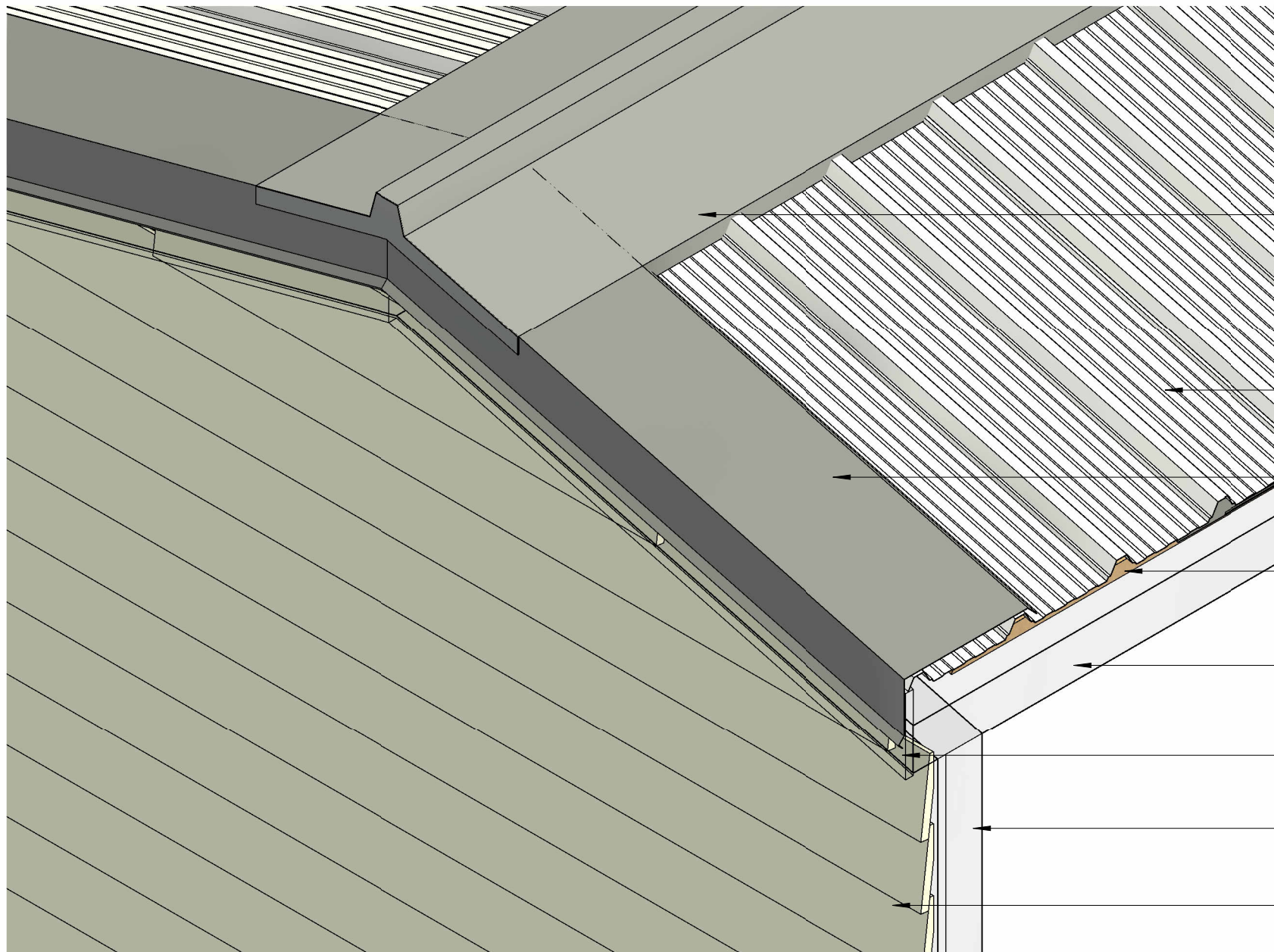


* MIN. 3° FOR PIPE PENETRATION WITH A BOOT FLASHING

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

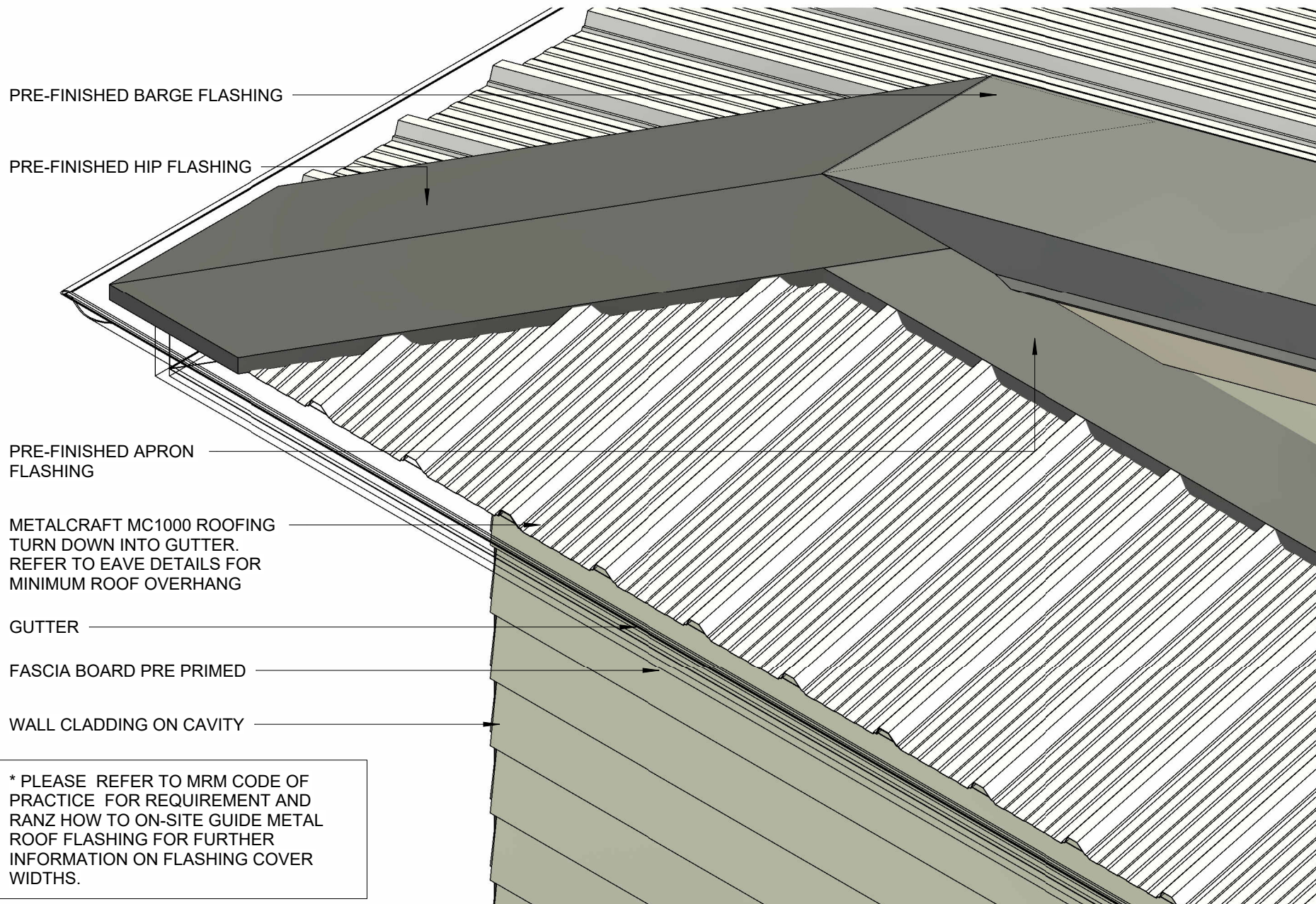
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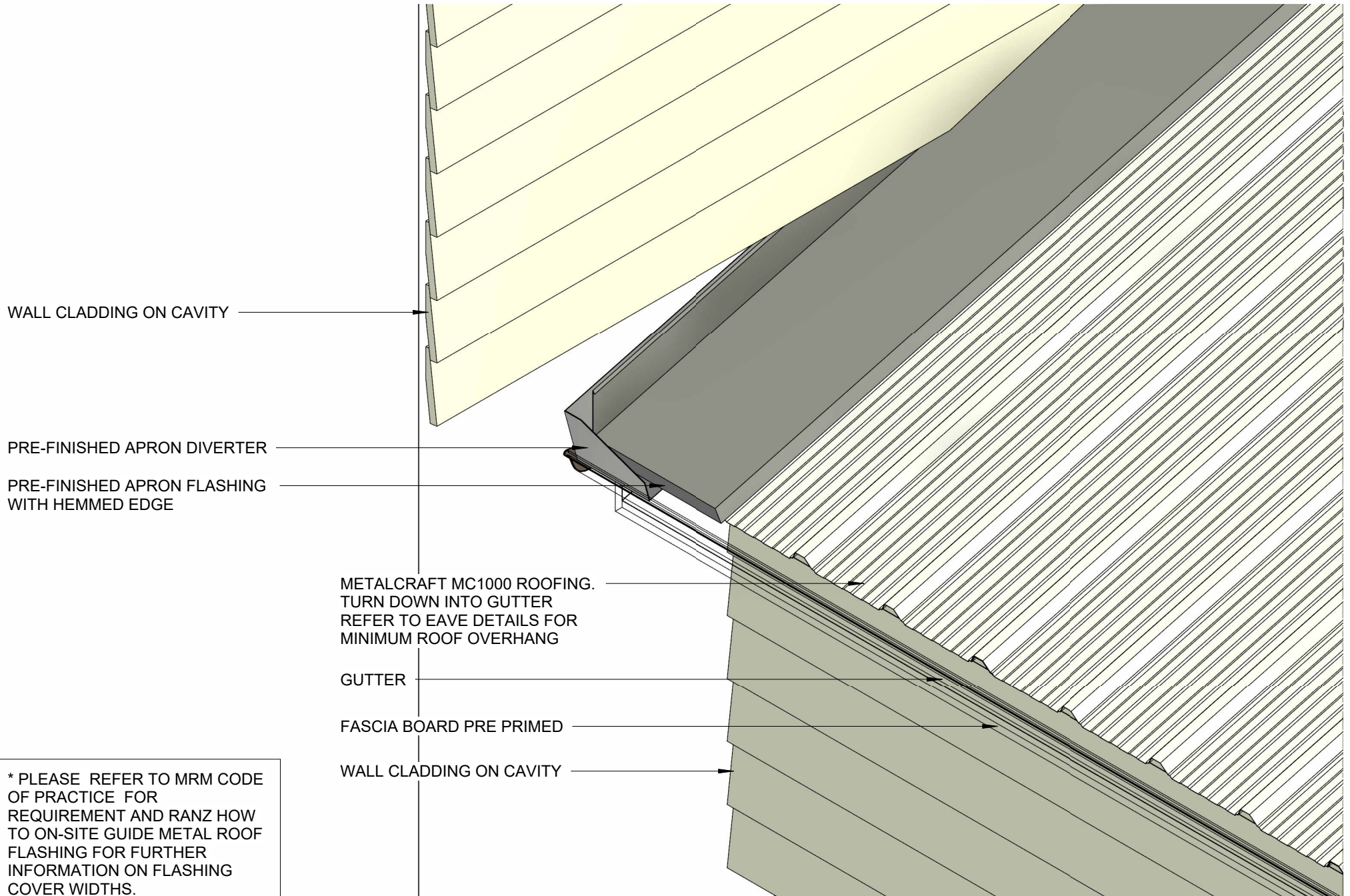
ROOF FRAMING

FASCIA BOARD PRE PRIMED

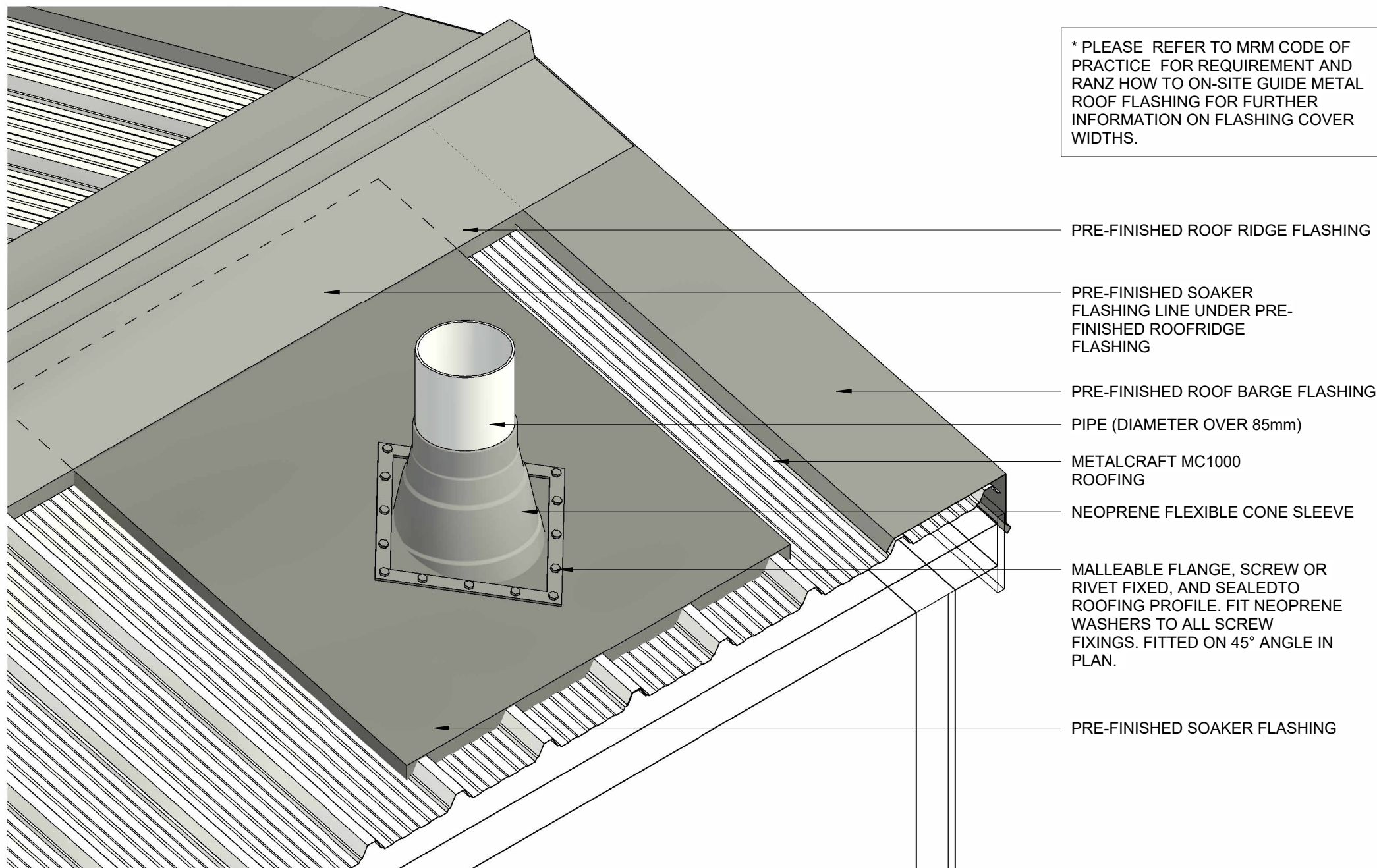
WALL FRAMING

WALL CLADDING ON CAVITY





* 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

MC 1000

Rev. 3.0

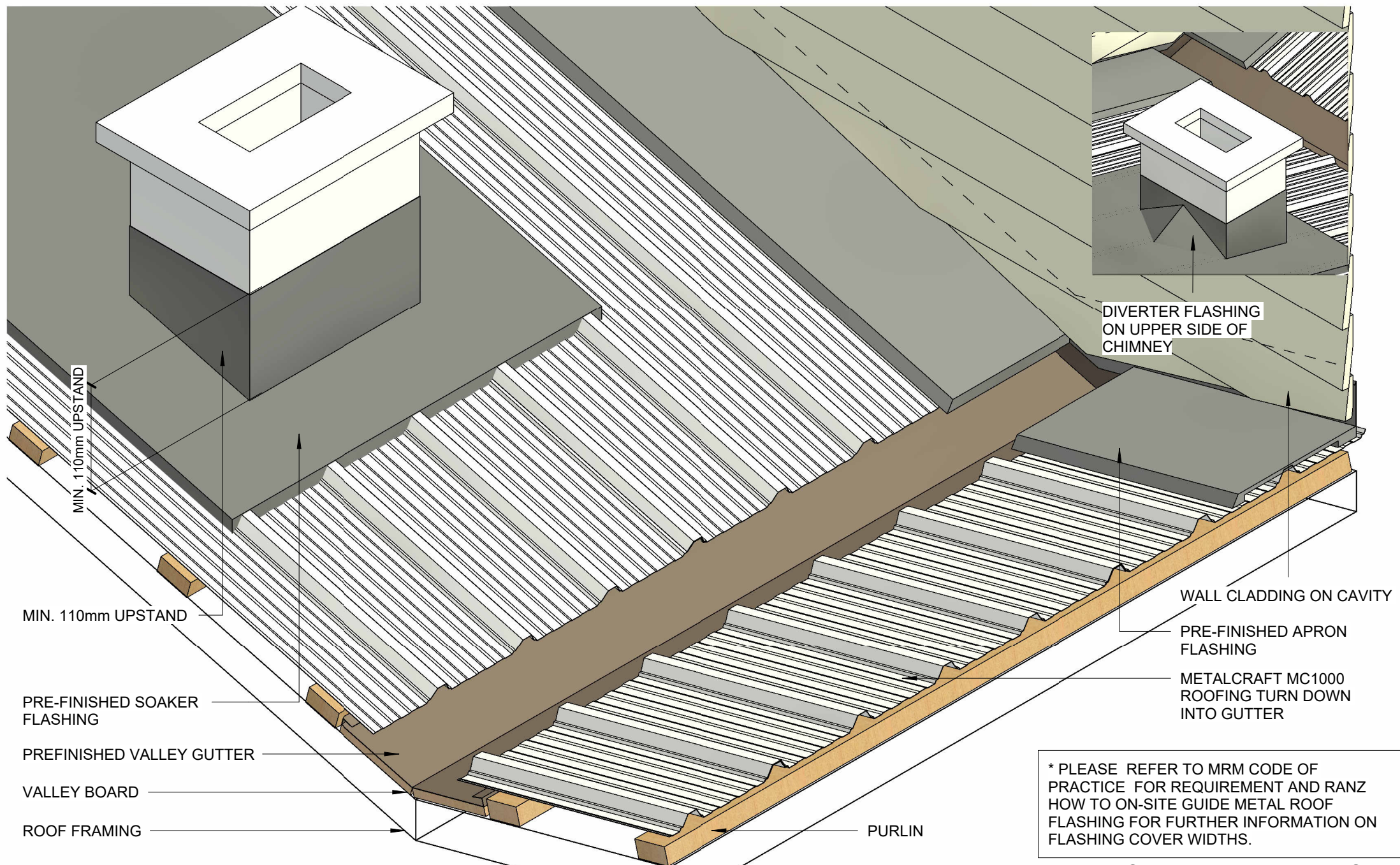
RESIDENTIAL ROOFING

Reference RRM1000

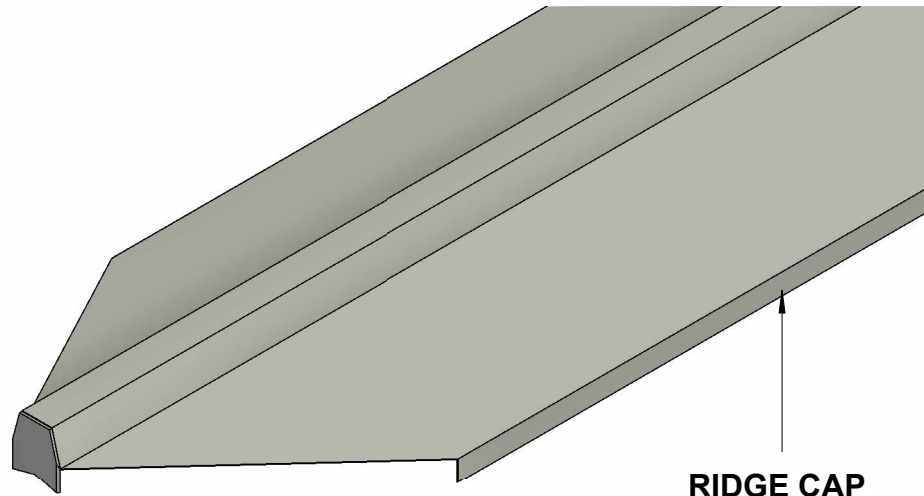
Date SEP 2024

Scale

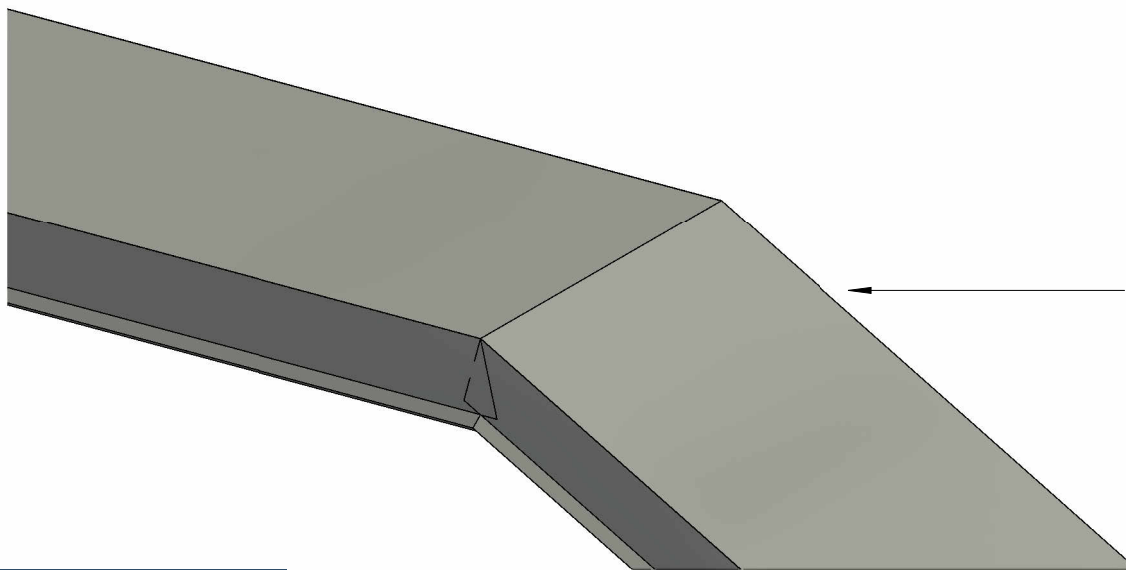
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* PLEASE REFER TO MRM CODE OF PRACTICE FOR REQUIREMENT AND RANZ HOW TO ON-SITE GUIDE METAL ROOF FLASHING FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS.



**RIDGE CAP
FLASHING**



**BARGE
FLASHING**

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

**(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.

