MC770

RESIDENTIAL ROOFING

DETAIL LIST		Revision	Date
A 00 / 29	COVER SHEET		
A 01 / 29	ROOF RIDGE	1.0	JAN 2023
A 02 / 29	ROOF RIDGE (ROUND)	1.0	JAN 2023
A 03 / 29	SAWTOOTH RIDGE	1.0	JAN 2023
A 04 / 29	SAWTOOTH EAVE	1.0	JAN 2023
A 05 / 29	ROOF VALLEY	1.0	JAN 2023
A 06 / 29	ROOF VALLEY BAFFLE	1.0	JAN 2023
A 07 / 29	INTERNAL GUTTER	1.0	JAN 2023
A 08 / 29	PARALLEL HIDDEN GUTTER	1.0	JAN 2023
A 09 / 29	PARALLEL HIDDEN GUTTER (2 PART FLASHING)	1.0	JAN 2023
A 10 / 29	ROOF - CHANGE PITCH	1.0	JAN 2023
A 11 / 29	MANSARD	1.0	JAN 2023
A 12 / 29	EAVE WITH METALLINE FASCIA	1.0	JAN 2023
A 13 / 29	EAVE WITH SNOW STRAP	1.0	JAN 2023
A 14 / 29	FLUSH EAVE WITH INTERNAL GUTTER BRACKET	1.0	JAN 2023

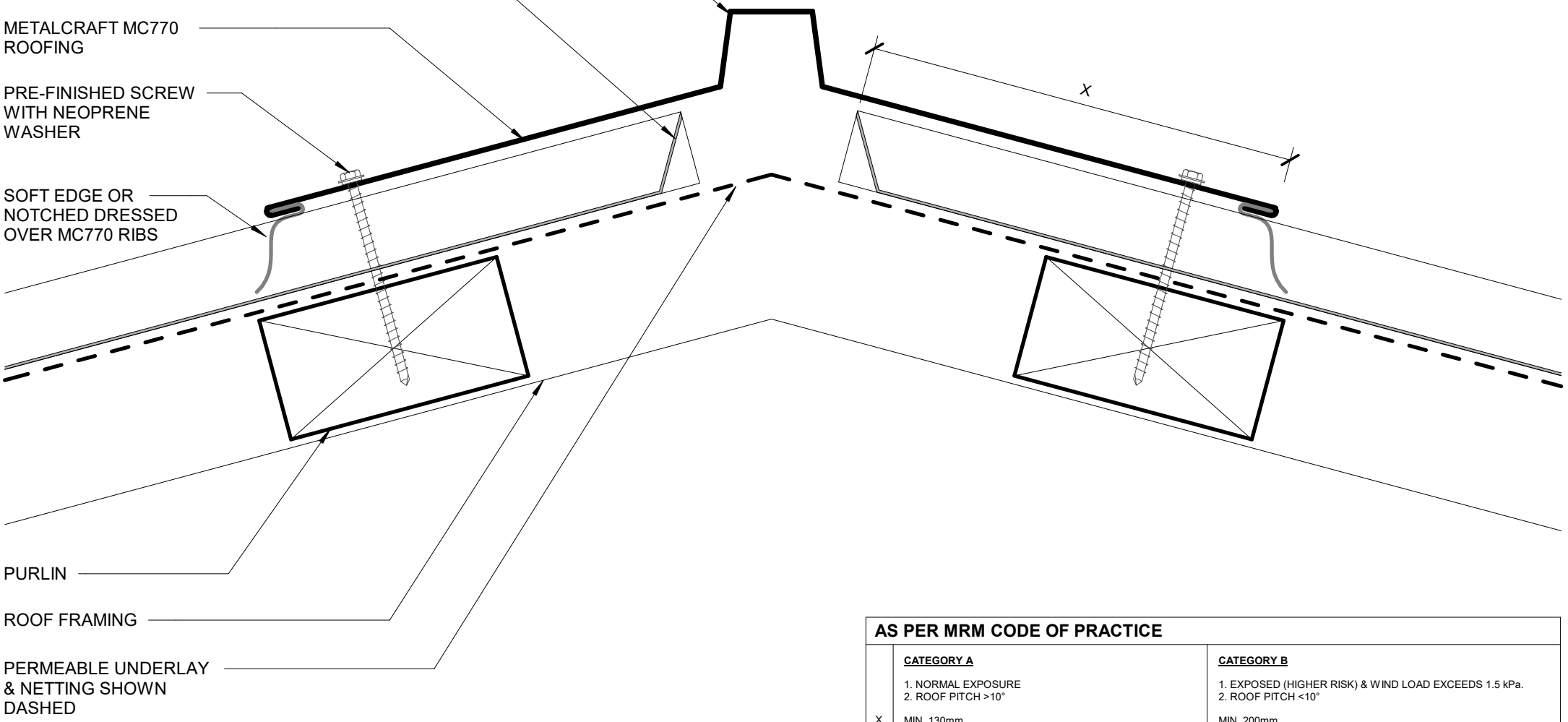
DETAIL LIST		Revision	Date
A 15 / 29	FLUSH EAVE WITH EXTERNAL GUTTER BRACKET	1.0	JAN 2023
A 16 / 29	BARGE WITH PROFILED CLADDING	1.0	JAN 2023
A 17 / 29	BARGE OVERHANG	1.0	JAN 2023
A 18 / 29	PARARPET WITH TRANSVERSE APRON	1.0	JAN 2023
A 19 / 29	TRANSVERSE APRON	1.0	JAN 2023
A 20 / 29	PARALLEL APRON	1.0	JAN 2023
A 21 / 29	PIPE PENETRATION DIRECT FIXED BOOT FLASHING	1.0	JAN 2023
A 22 / 29	PIPE PENETRATION BACK TRAY BOOT FLASHING	1.0	JAN 2023
A 23 / 29	3D RIDGE TO BARGE JUNCTION	1.0	JAN 2023
A 24 / 29	3D DUTCH GABLE	1.0	JAN 2023
A 25 / 29	3D APRON	1.0	JAN 2023
A 26 / 29	BACK TRAY PENETRATION	1.0	JAN 2023
A 27 / 29	3D CHIMNEY PENETRATION	1.0	JAN 2023
A 28 / 29	3D RIDGE/BARGE FLASHINGS	1.0	JAN 2023
A 29 / 29	3D DUTCH GABLE FLASHINGS	1.0	JAN 2023

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 ≥ 10° 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 ≤ 10° 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)

* MC770 MIN. ROOF PITCH = 3°



AS PER MRM CODE OF PRACTICE

	CATEGORY A	CATEGORY B
X	1. NORMAL EXPOSURE 2. ROOF PITCH >10° MIN. 130mm	1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 kPa. 2. ROOF PITCH <10° MIN. 200mm

Metalcraft
Roofing
www.metalcraftgroup.co.nz

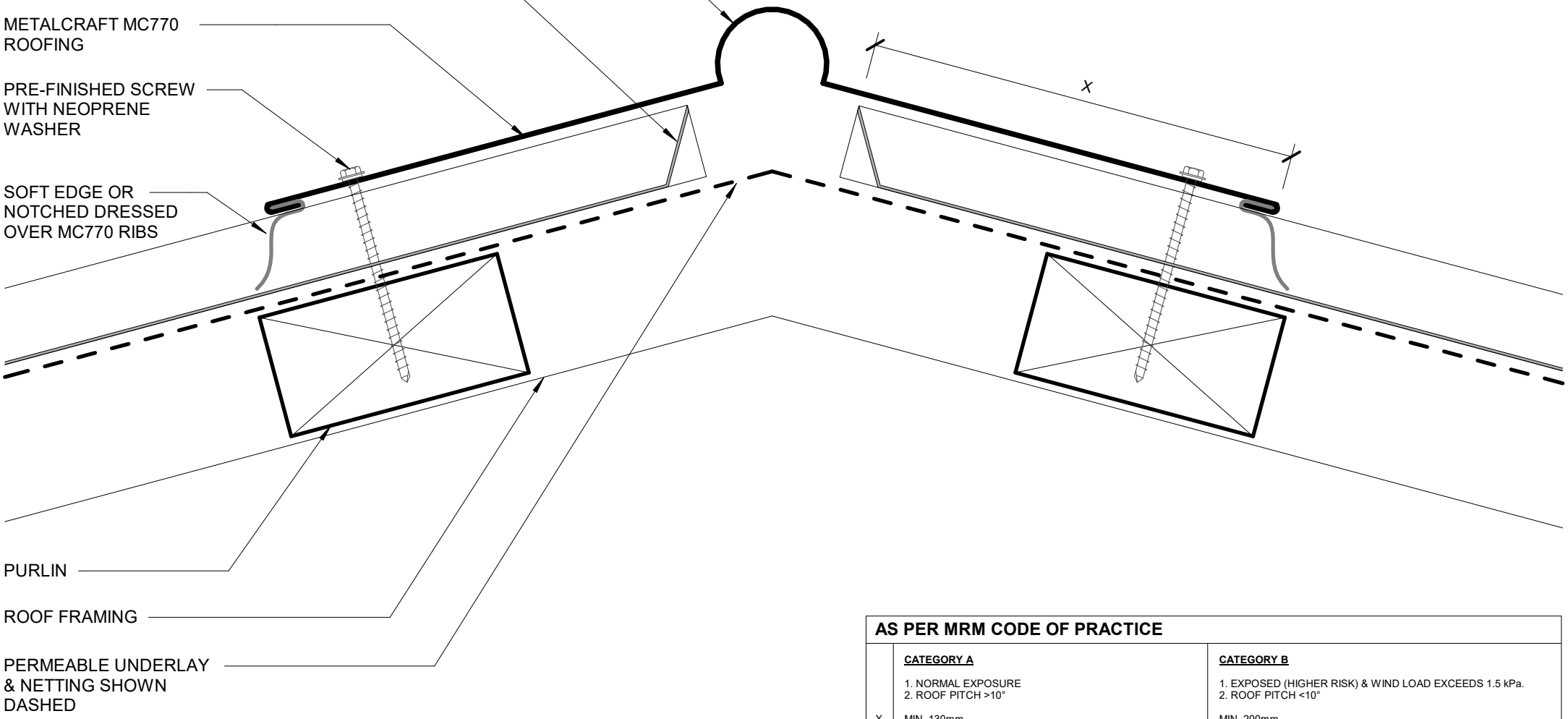
ROOF RIDGE

MC770 Rev. 1.0 RESIDENTIAL ROOFING

Reference RRMC770 Date JAN 2023 Scale 1 : 2 Sheet A 01 / 29

AS PER E2/ASI			
	SITUATION 1	**SITUATION 2**	**SITUATION 3**
	1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH ≥ 10°	1. VERY HIGH WIND ZONE 2.LOW, MEDIUM & HIGH WIND ZONES WHERE ROOF PITCH ≤ 10°	1.ALL ROOF PITCHES IN EXTRA HIGH WIND ZONE.
X	MIN. 130mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)	MIN. 200mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)	MIN. 200mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)

* MC770 MIN. ROOF PITCH = 3°



AS PER MRM CODE OF PRACTICE		
	CATEGORY A	**CATEGORY B**
	1. NORMAL EXPOSURE 2. ROOF PITCH >10°	1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 kPa. 2. ROOF PITCH <10°
X	MIN. 130mm	MIN. 200mm

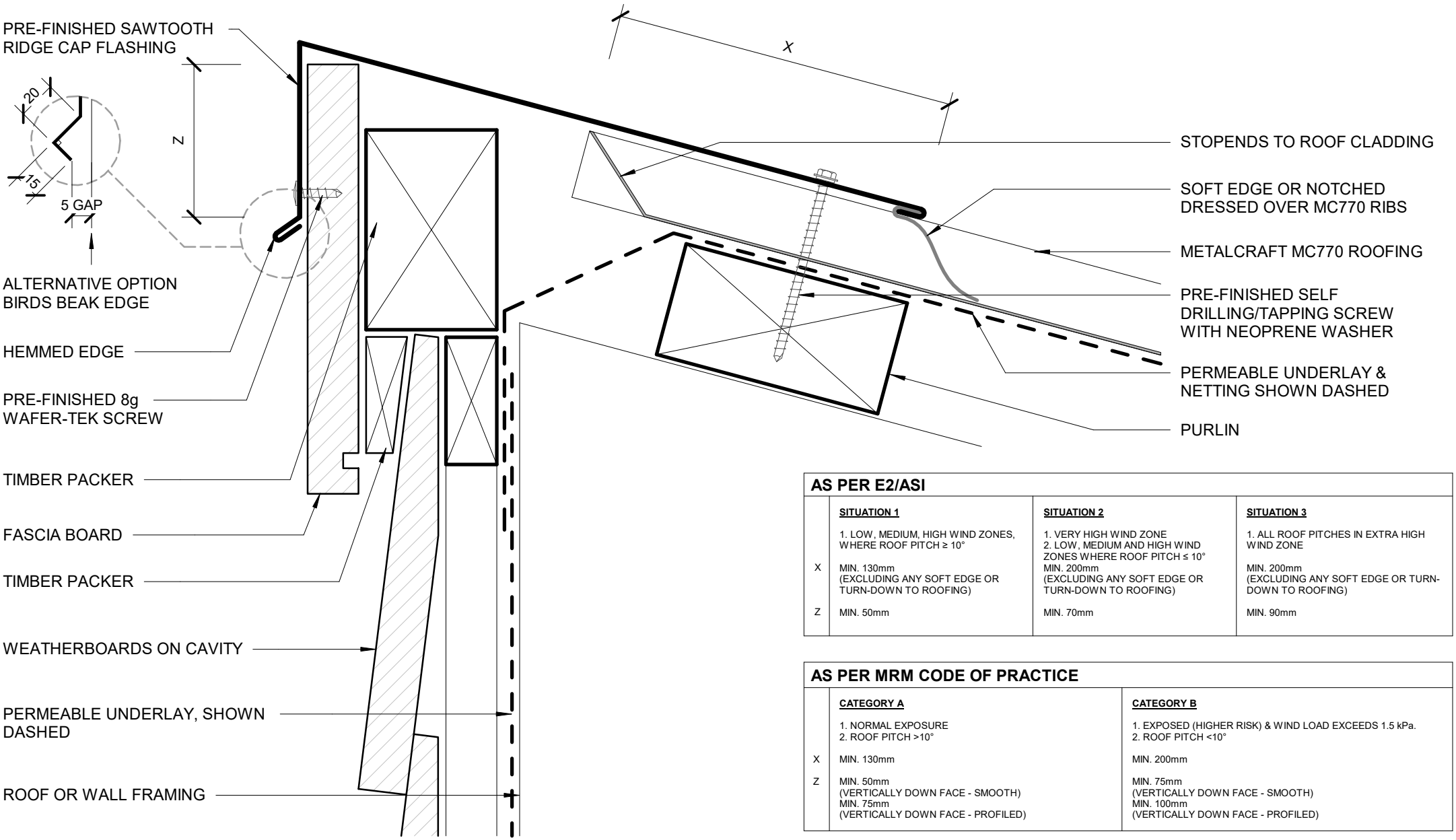
Metalcraft Roofing
www.metalcraftgroup.co.nz

ROOF RIDGE (ROUND)

MC770 Rev. 1.0 RESIDENTIAL ROOFING

Reference RRMC770 Date JAN 2023 Scale 1 : 2 Sheet A 02 / 29

* MC770 MIN. ROOF PITCH = 3°



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
	1. NORMAL EXPOSURE 2. ROOF PITCH >10°	1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 kPa. 2. ROOF PITCH <10°
X	MIN. 130mm	MIN. 200mm
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)

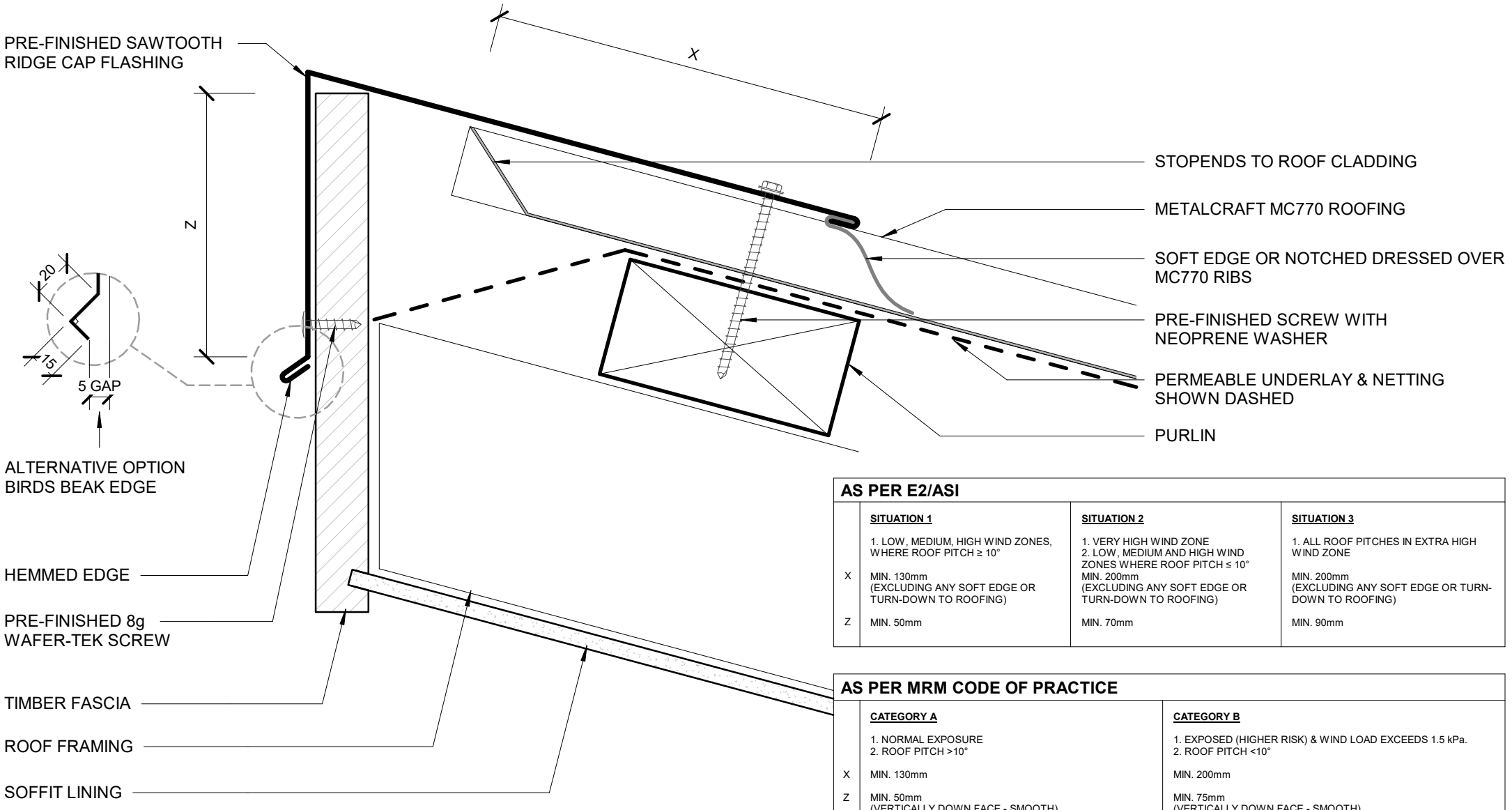
Metalcraft Roofing
www.metalcraftgroup.co.nz

SAWTOOTH RIDGE

MC770 Rev. 1.0 RESIDENTIAL ROOFING

Reference RRMC770 Date JAN 2023 Scale 1 : 2 Sheet A 03 / 29

* MC770 MIN. ROOF PITCH = 3°



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

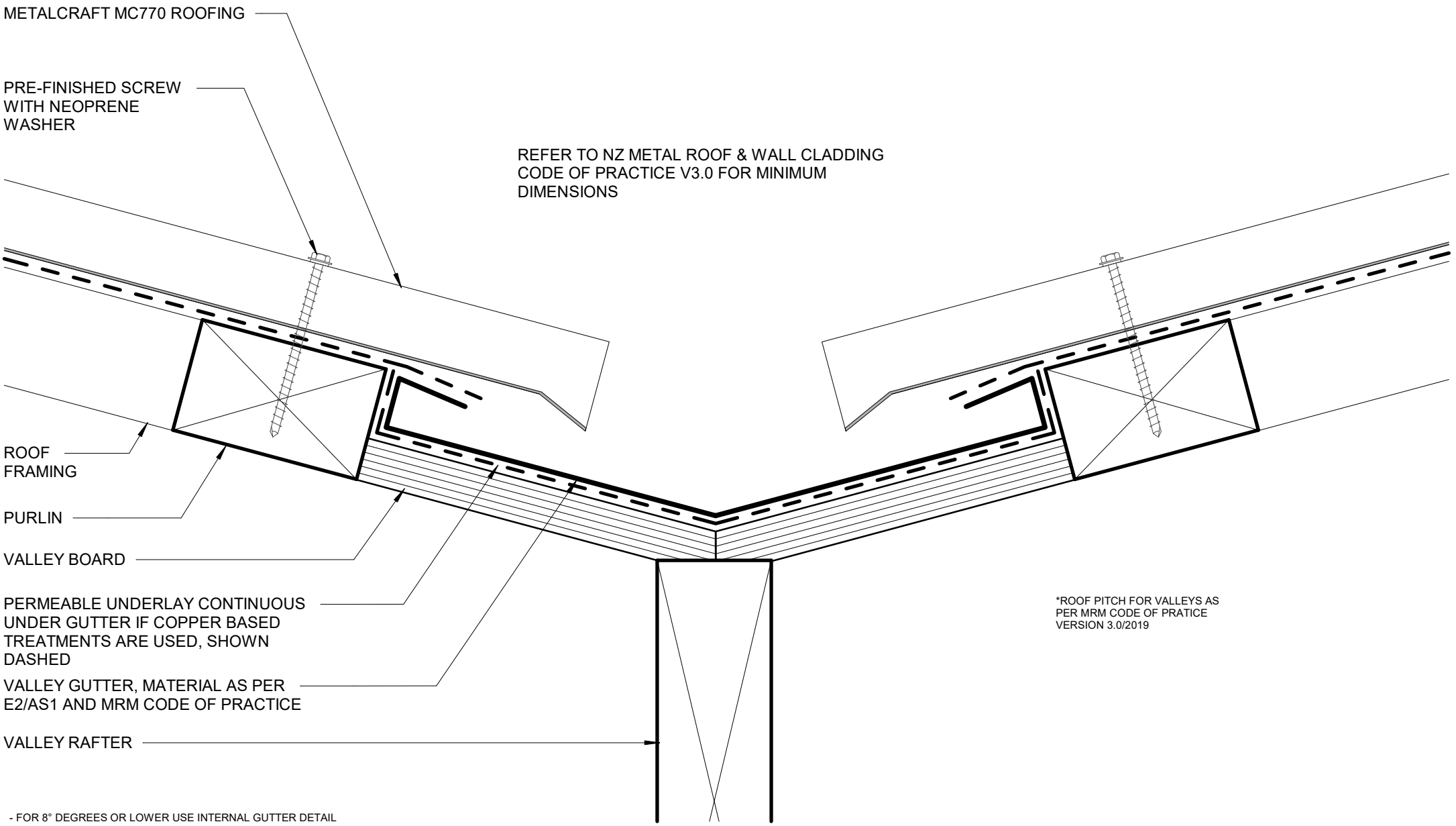
	CATEGORY A	CATEGORY B
	1. NORMAL EXPOSURE 2. ROOF PITCH >10°	1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 kPa. 2. ROOF PITCH <10°
X	MIN. 130mm	MIN. 200mm
Z	MIN. 50mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 75mm (VERTICALLY DOWN FACE - PROFILED)	MIN. 75mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 100mm (VERTICALLY DOWN FACE - PROFILED)

Metalcraft Roofing
www.metalcraftgroup.co.nz

SAWTOOTH EAVE

MC770 Rev. 1.0 RESIDENTIAL ROOFING

Reference RRMC770 Date JAN 2023 Scale 1 : 2



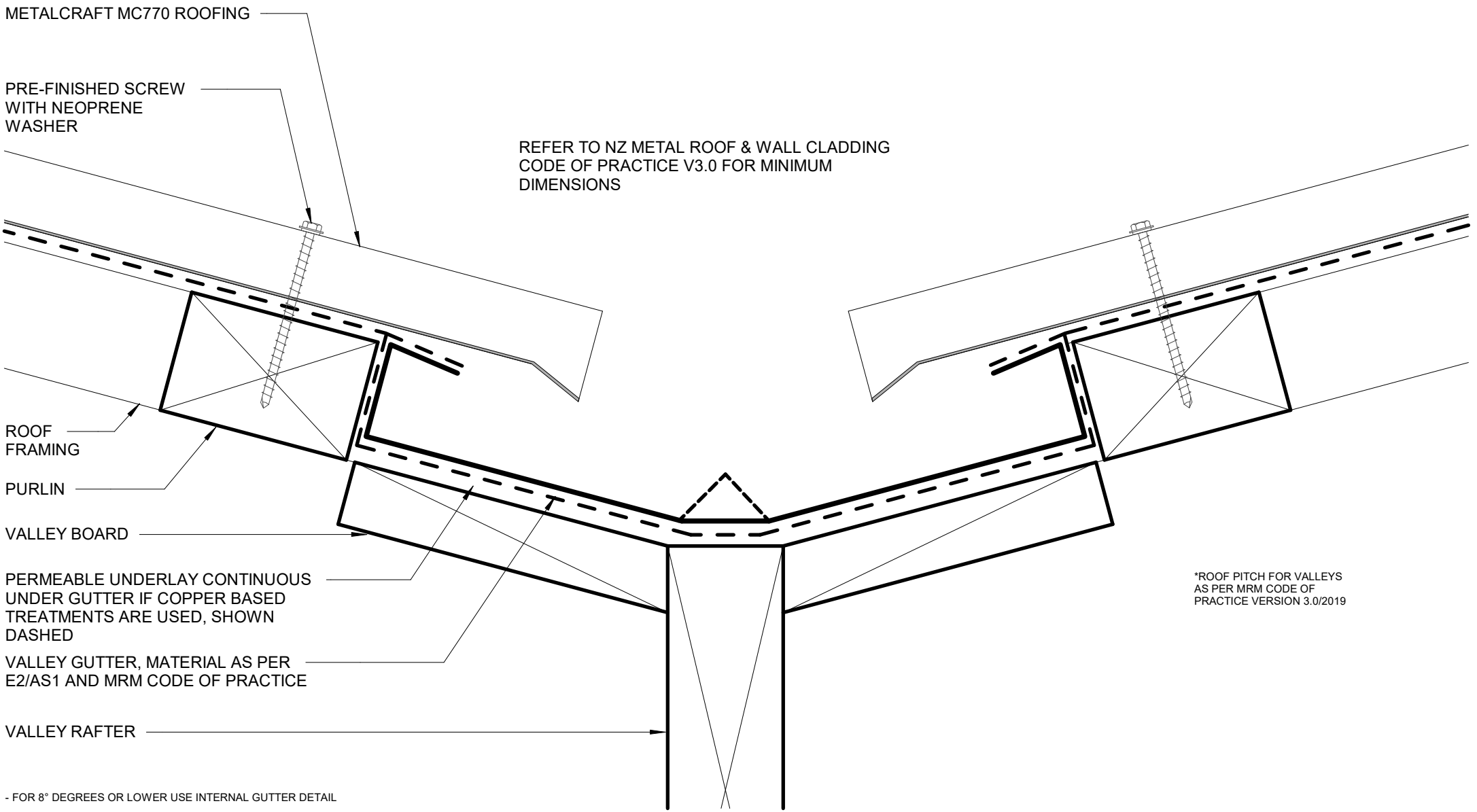
- FOR 8° DEGREES OR LOWER USE INTERNAL GUTTER DETAIL

Metalcraft Roofing
www.metalcraftgroup.co.nz

ROOF VALLEY

MC770 Rev. 1.0 **RESIDENTIAL ROOFING**

Reference RRMC770 Date JAN 2023 Scale 1 : 2 Sheet **A 05 / 29**



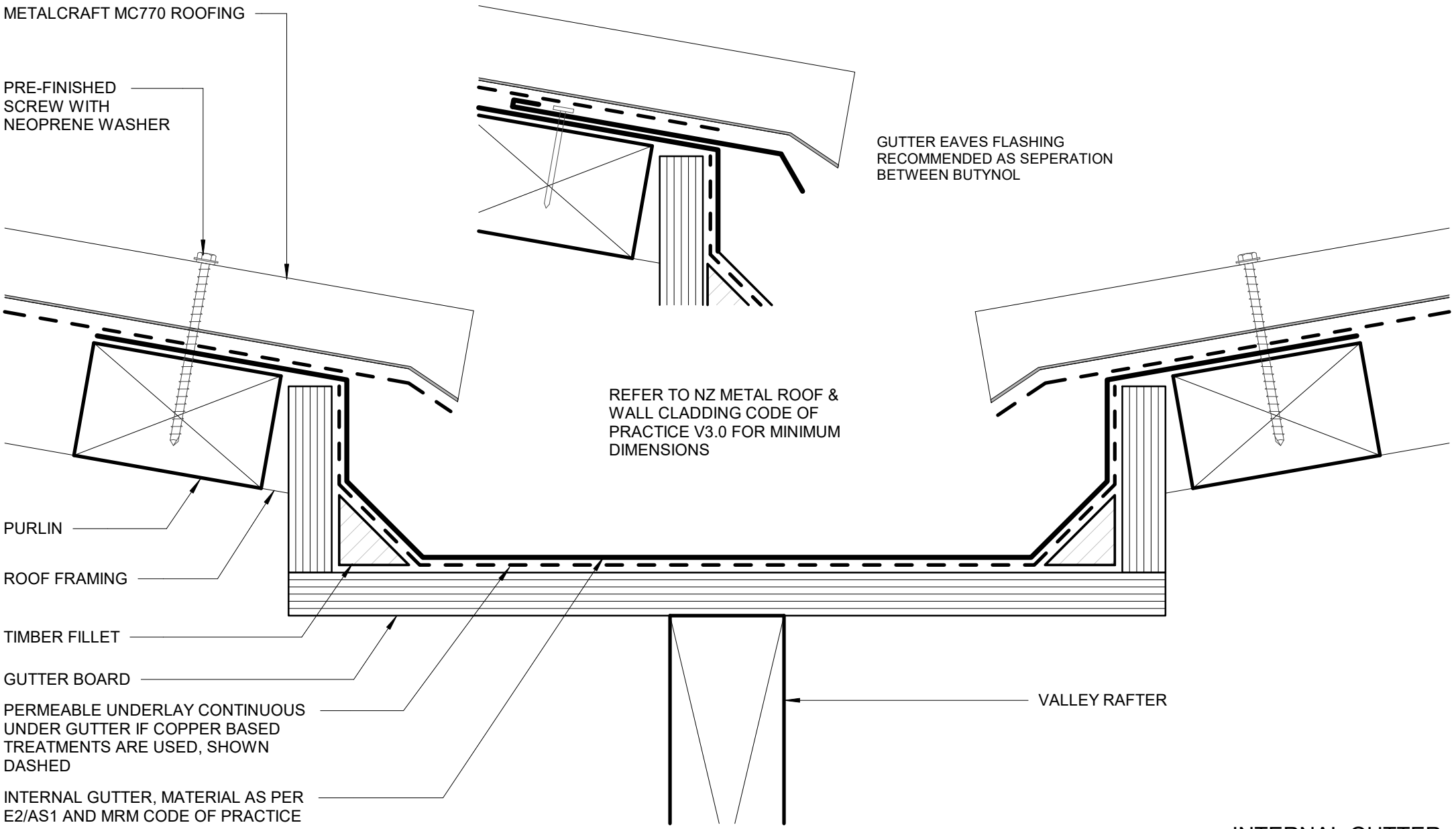
- FOR 8° DEGREES OR LOWER USE INTERNAL GUTTER DETAIL

Metalcraft Roofing
www.metalcraftgroup.co.nz

ROOF VALLEY BAFFLE

MC770 Rev. 1.0 **RESIDENTIAL ROOFING**

Reference RRMC770 Date JAN 2023 Scale 1 : 2 Sheet **A 06 / 29**

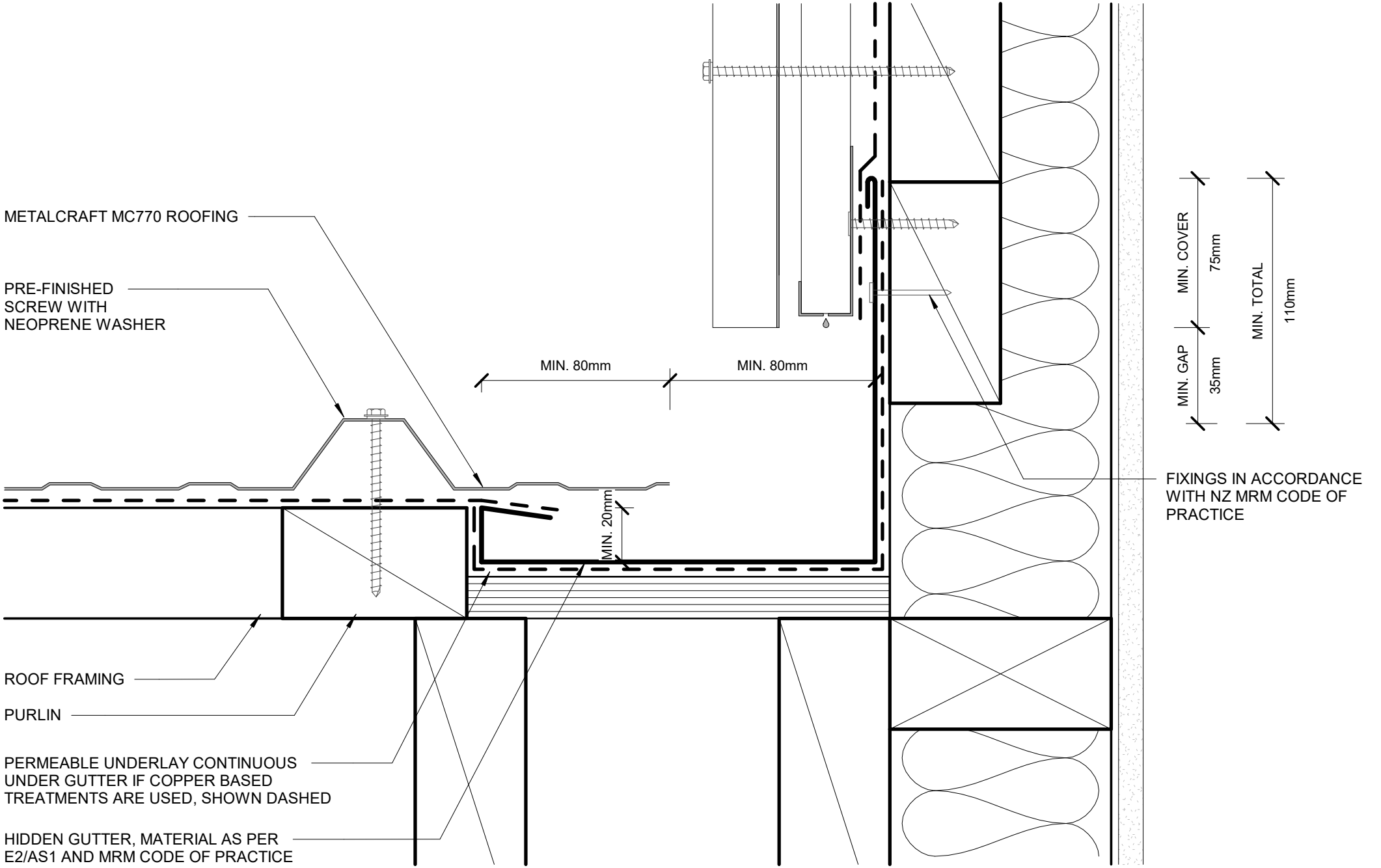


Metalcraft Roofing
www.metalcraftgroup.co.nz

INTERNAL GUTTER

MC770 Rev. 1.0 RESIDENTIAL ROOFING

Reference RRMC770 Date JAN 2023 Scale 1 : 2 Sheet A 07 / 29

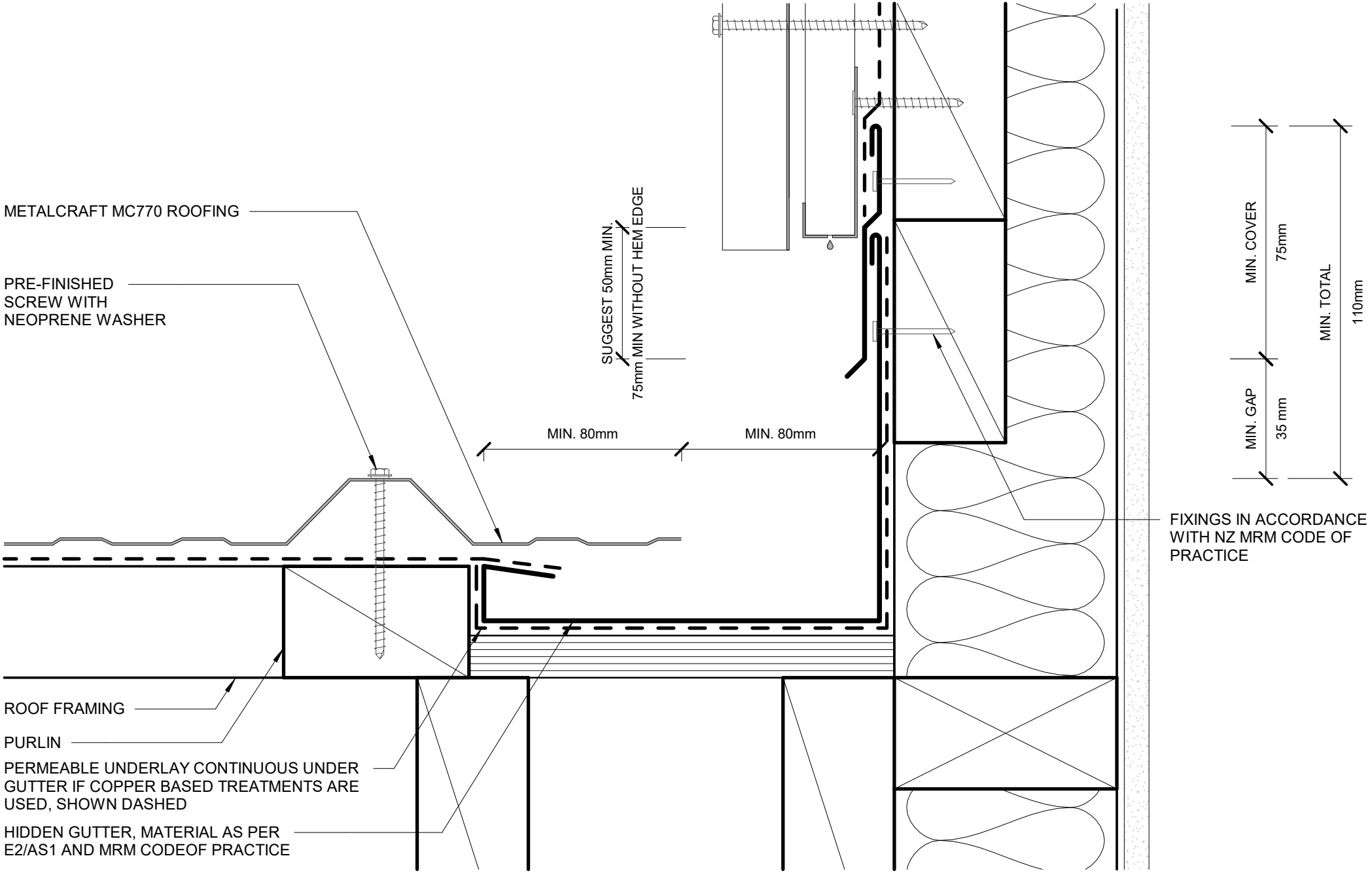


PARALLEL HIDDEN GUTTER

MC770 Rev. 1.0 **RESIDENTIAL ROOFING**

Reference RRMC770 Date JAN 2023 Scale 1 : 2 Sheet **A 08 / 29**

Metalcraft Roofing
www.metalcraftgroup.co.nz

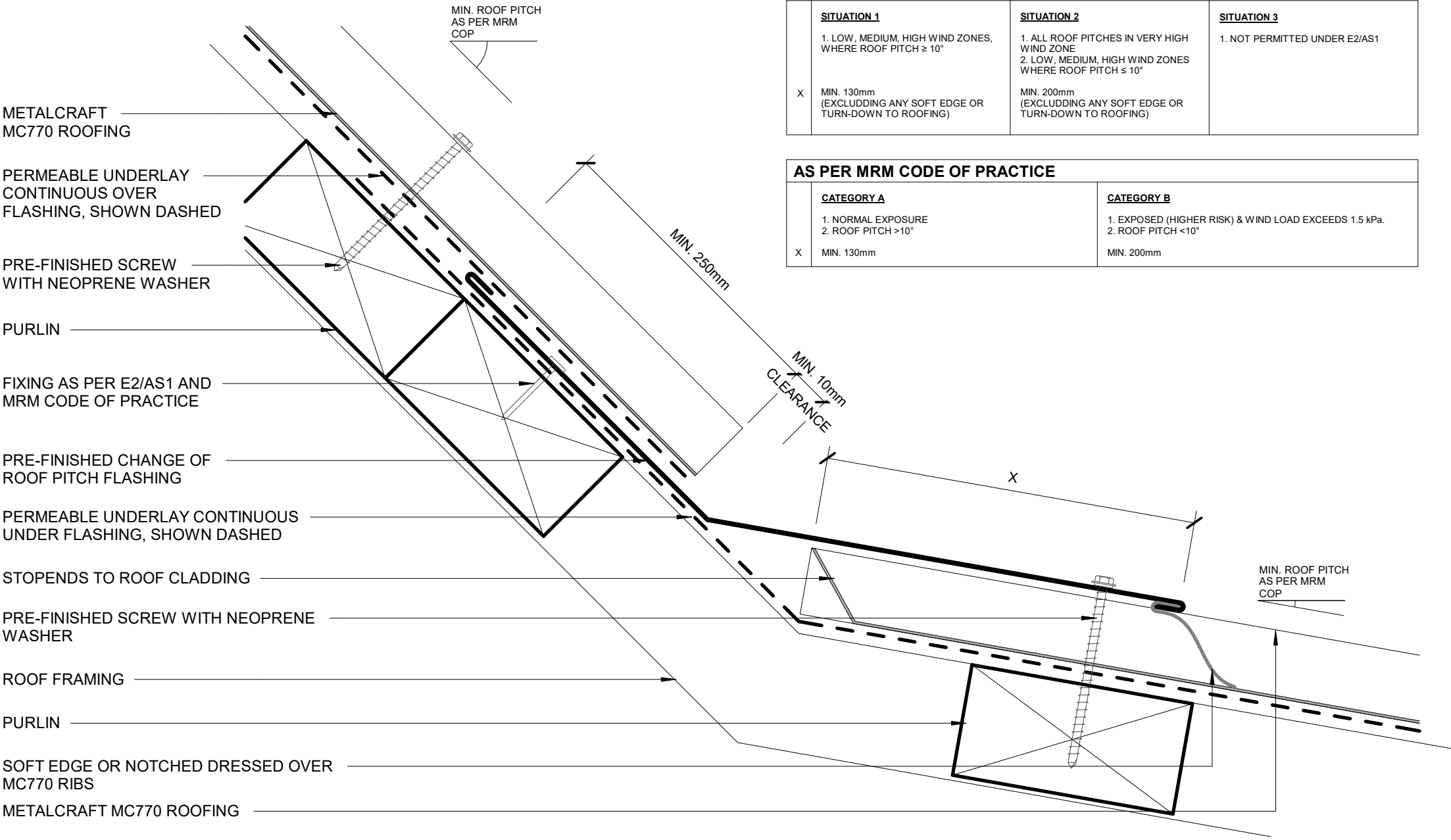


PARALLEL HIDDEN GUTTER (2 PART FLASHING)

MC770 Rev. 1.0 **RESIDENTIAL ROOFING**

Reference RRMC770 Date JAN 2023 Scale 1 : 2 Sheet **A 09 / 29**

Metalcraft Roofing
www.metalcraftgroup.co.nz



AS PER E2/ASI

	SITUATION 1	SITUATION 2	SITUATION 3
	1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH ≥ 10°	1. ALL ROOF PITCHES IN VERY HIGH WIND ZONE 2. LOW, MEDIUM, HIGH WIND ZONES WHERE ROOF PITCH ≤ 10°	1. NOT PERMITTED UNDER E2/AS1
X	MIN. 130mm (EXCLUDDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)	MIN. 200mm (EXCLUDDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)	

AS PER MRM CODE OF PRACTICE

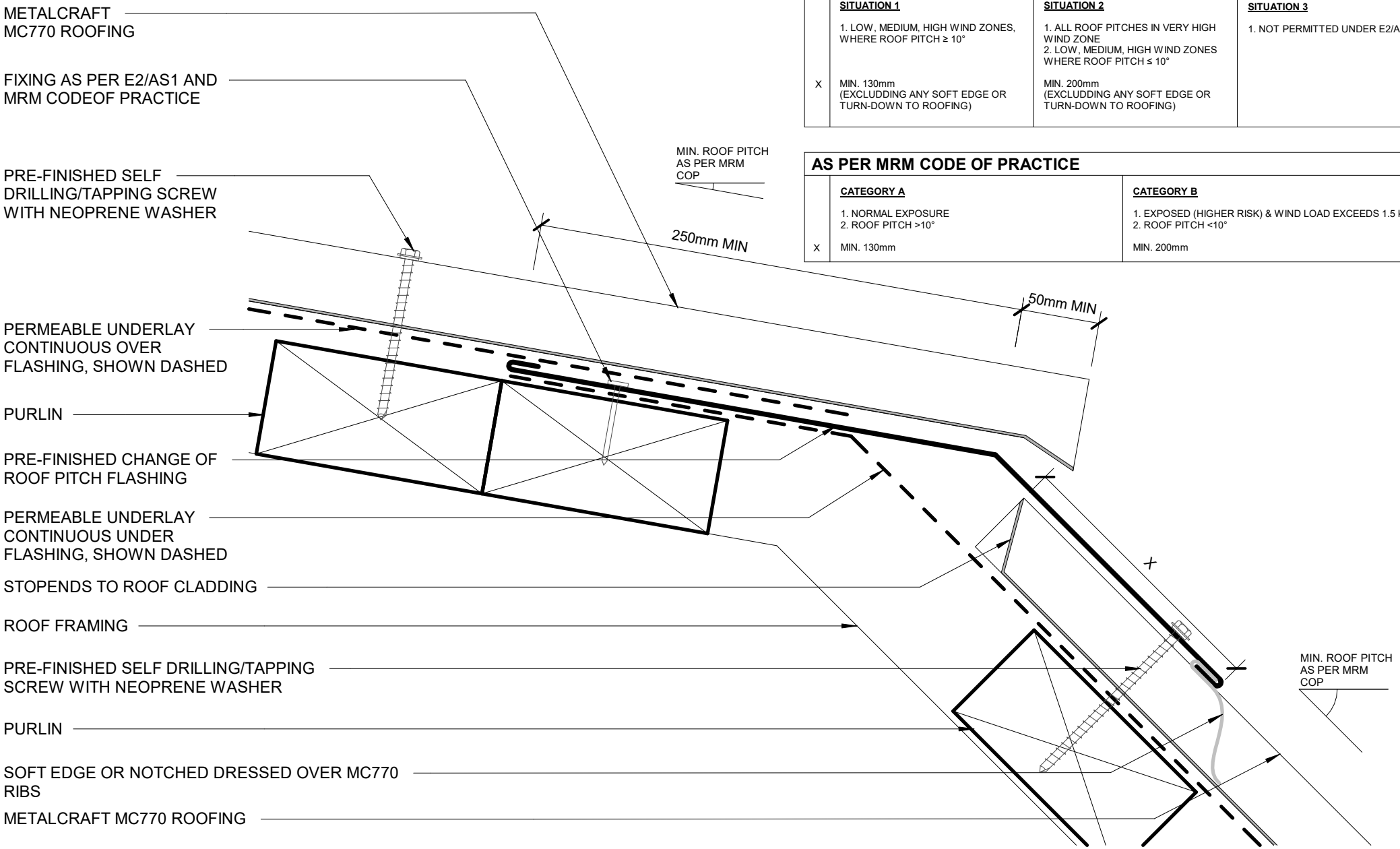
	CATEGORY A	CATEGORY B
	1. NORMAL EXPOSURE 2. ROOF PITCH >10°	1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 kPa. 2. ROOF PITCH <10°
X	MIN. 130mm	MIN. 200mm

Metalcraft Roofing
www.metalcraftgroup.co.nz

ROOF - CHANGE PITCH

MC770 Rev. 1.0 RESIDENTIAL ROOFING

Reference RRMC770 Date JAN 2023 Scale 1 : 2 Sheet A 10 / 29



AS PER E2/ASI

	SITUATION 1	SITUATION 2	SITUATION 3
	1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH ≥ 10°	1. ALL ROOF PITCHES IN VERY HIGH WIND ZONE 2. LOW, MEDIUM, HIGH WIND ZONES WHERE ROOF PITCH ≤ 10°	1. NOT PERMITTED UNDER E2/AS1
X	MIN. 130mm (EXCLUDDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)	MIN. 200mm (EXCLUDDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)	

AS PER MRM CODE OF PRACTICE

	CATEGORY A	CATEGORY B
	1. NORMAL EXPOSURE 2. ROOF PITCH >10°	1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 kPa. 2. ROOF PITCH <10°
X	MIN. 130mm	MIN. 200mm

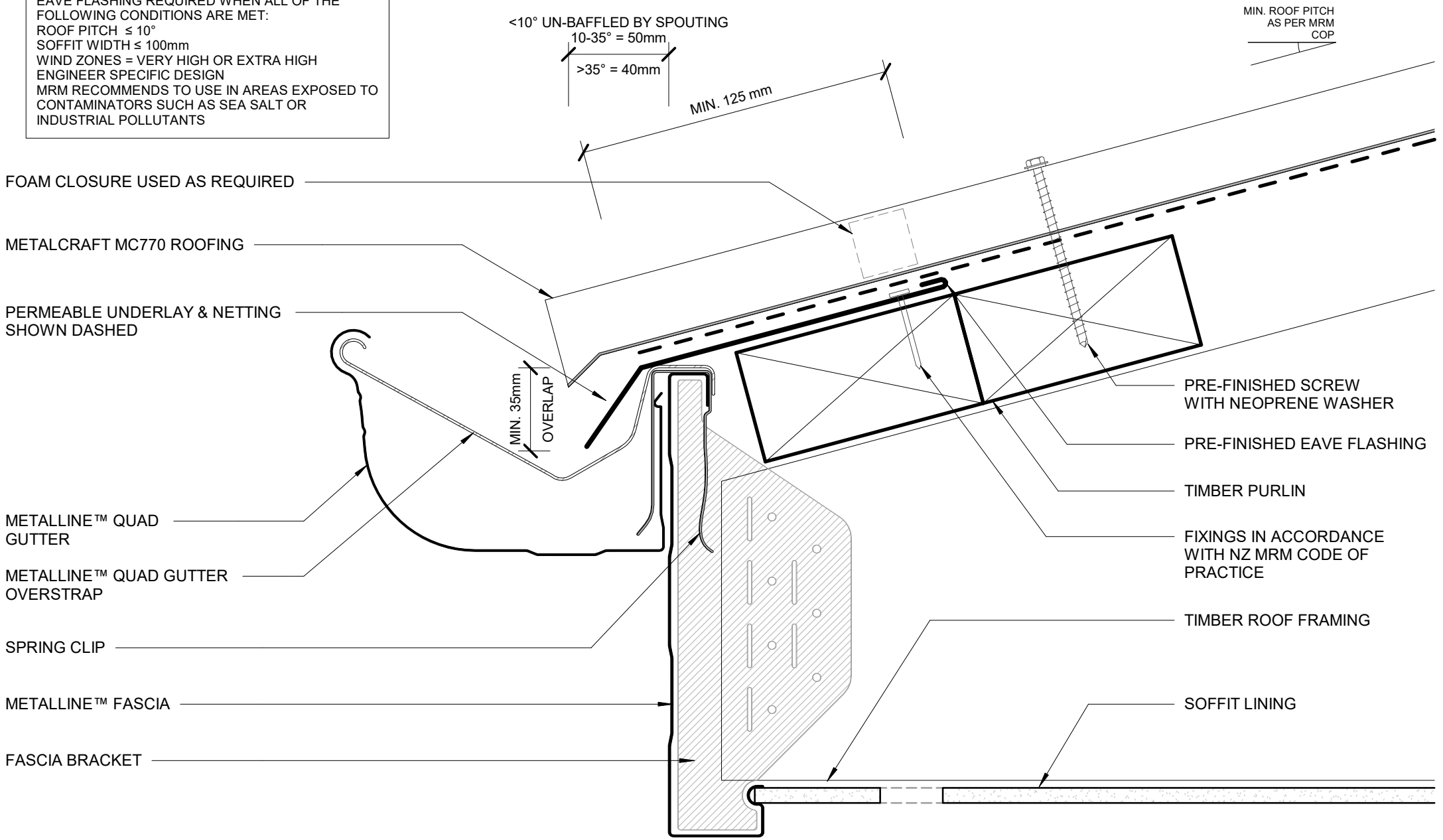
Metalcraft Roofing
www.metalcraftgroup.co.nz

MANSARD

MC770 Rev. 1.0 RESIDENTIAL ROOFING

Reference RRMC770 Date JAN 2023 Scale 1 : 2 Sheet A 11 / 29

EAVE FLASHING REQUIRED WHEN ALL OF THE FOLLOWING CONDITIONS ARE MET:
ROOF PITCH ≤ 10°
SOFFIT WIDTH ≤ 100mm
WIND ZONES = VERY HIGH OR EXTRA HIGH
ENGINEER SPECIFIC DESIGN
MRM RECOMMENDS TO USE IN AREAS EXPOSED TO CONTAMINATORS SUCH AS SEA SALT OR INDUSTRIAL POLLUTANTS



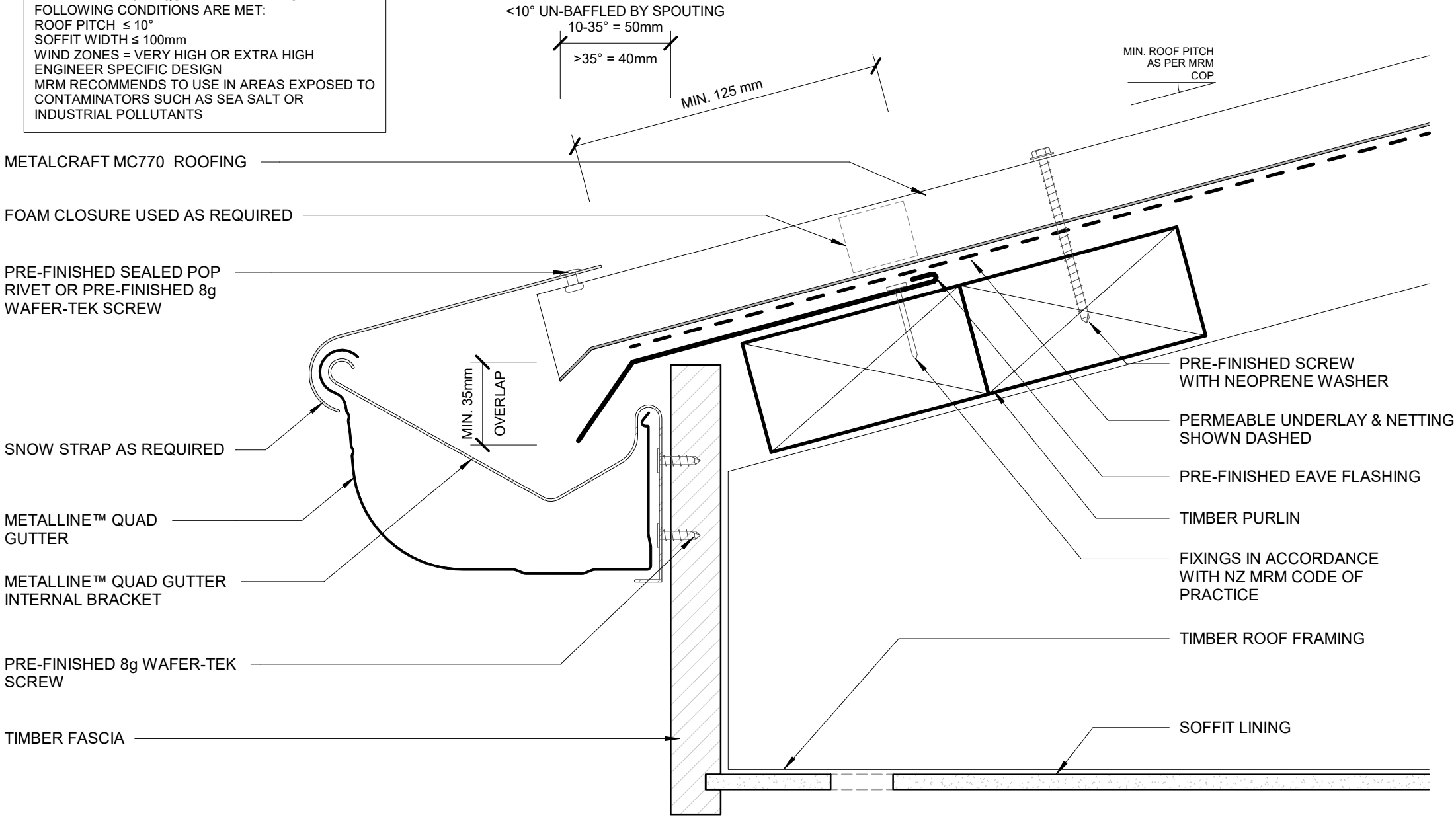
Metalcraft Roofing
www.metalcraftgroup.co.nz

EAVE WITH METALLINE FASCIA

MC770 Rev. 1.0 RESIDENTIAL ROOFING

Reference RRMC770 Date JAN 2023 Scale 1 : 2 Sheet A 12 / 29

EAVE FLASHING REQUIRED WHEN ALL OF THE FOLLOWING CONDITIONS ARE MET:
ROOF PITCH ≤ 10°
SOFFIT WIDTH ≤ 100mm
WIND ZONES = VERY HIGH OR EXTRA HIGH
ENGINEER SPECIFIC DESIGN
MRM RECOMMENDS TO USE IN AREAS EXPOSED TO CONTAMINATORS SUCH AS SEA SALT OR INDUSTRIAL POLLUTANTS



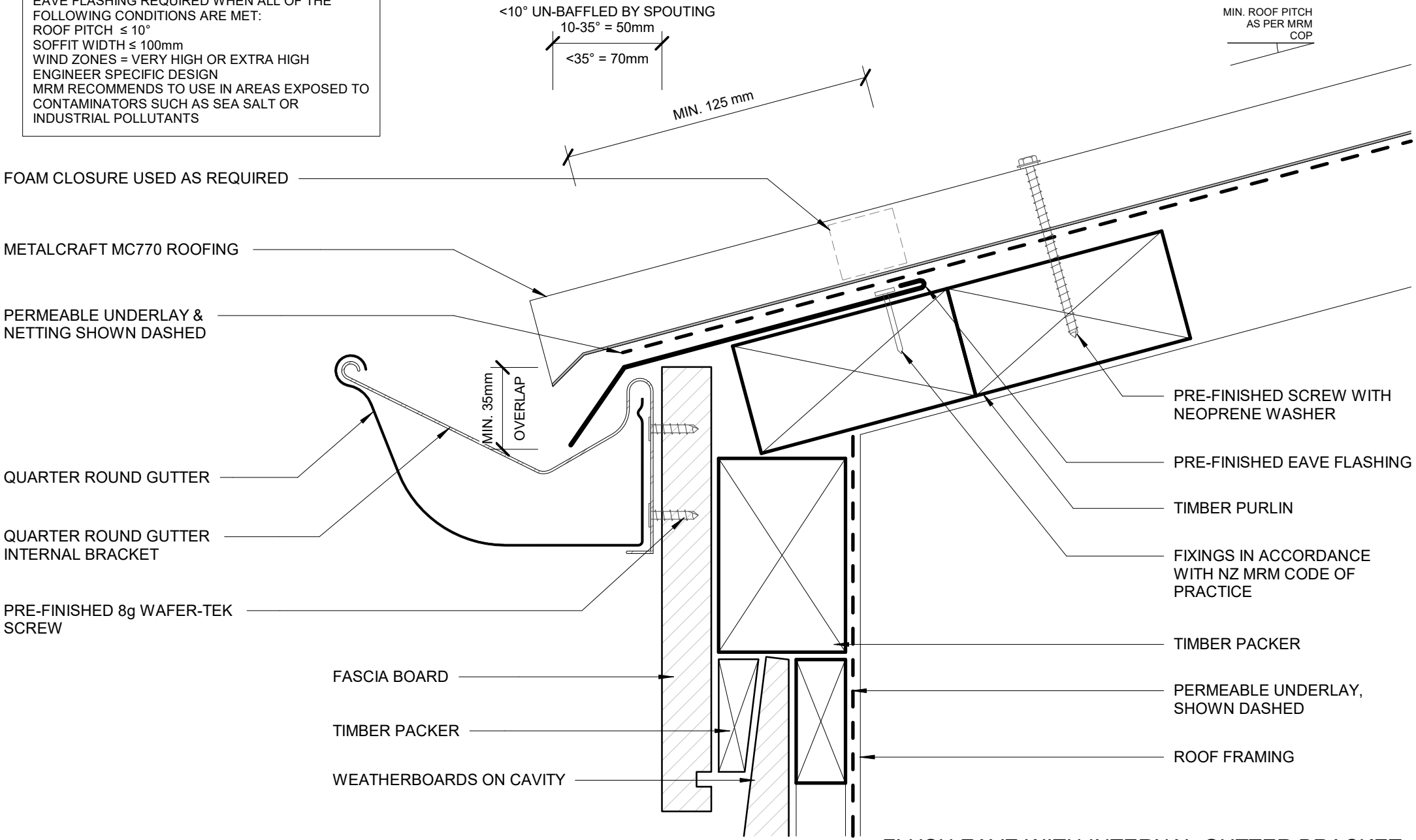
Metalcraft Roofing
www.metalcraftgroup.co.nz

EAVE WITH SNOW STRAP

MC770 Rev. 1.0 RESIDENTIAL ROOFING

Reference RRMC770 Date JAN 2023 Scale 1 : 2 Sheet A 13 / 29

EAVE FLASHING REQUIRED WHEN ALL OF THE FOLLOWING CONDITIONS ARE MET:
ROOF PITCH ≤ 10°
SOFFIT WIDTH ≤ 100mm
WIND ZONES = VERY HIGH OR EXTRA HIGH
ENGINEER SPECIFIC DESIGN
MRM RECOMMENDS TO USE IN AREAS EXPOSED TO CONTAMINATORS SUCH AS SEA SALT OR INDUSTRIAL POLLUTANTS



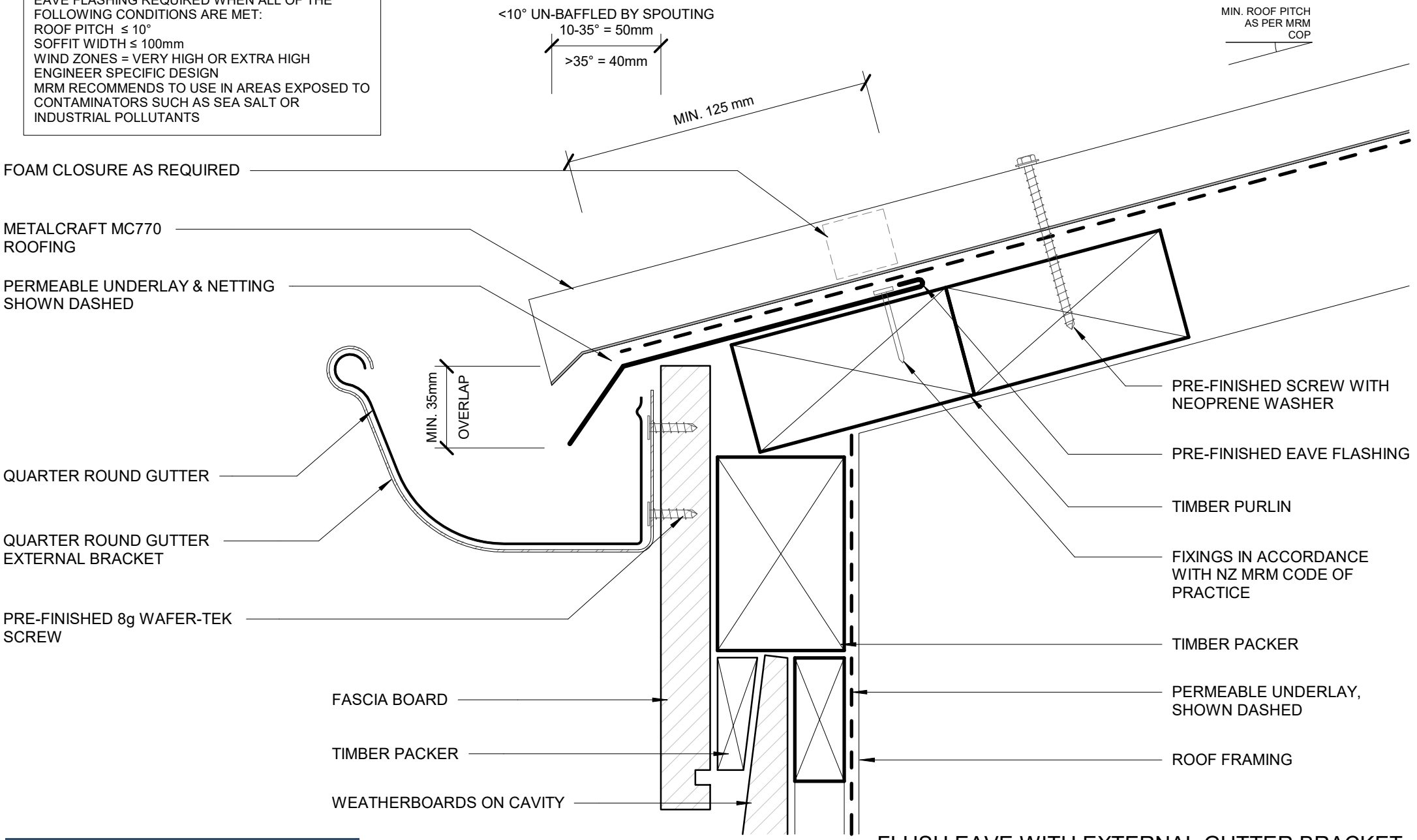
Metalcraft Roofing
www.metalcraftgroup.co.nz

FLUSH EAVE WITH INTERNAL GUTTER BRACKET

MC770 Rev. 1.0 RESIDENTIAL ROOFING

Reference RRMC770 Date JAN 2023 Scale 1 : 2 Sheet A 14 / 29

EAVE FLASHING REQUIRED WHEN ALL OF THE FOLLOWING CONDITIONS ARE MET:
ROOF PITCH ≤ 10°
SOFFIT WIDTH ≤ 100mm
WIND ZONES = VERY HIGH OR EXTRA HIGH
ENGINEER SPECIFIC DESIGN
MRM RECOMMENDS TO USE IN AREAS EXPOSED TO CONTAMINATORS SUCH AS SEA SALT OR INDUSTRIAL POLLUTANTS



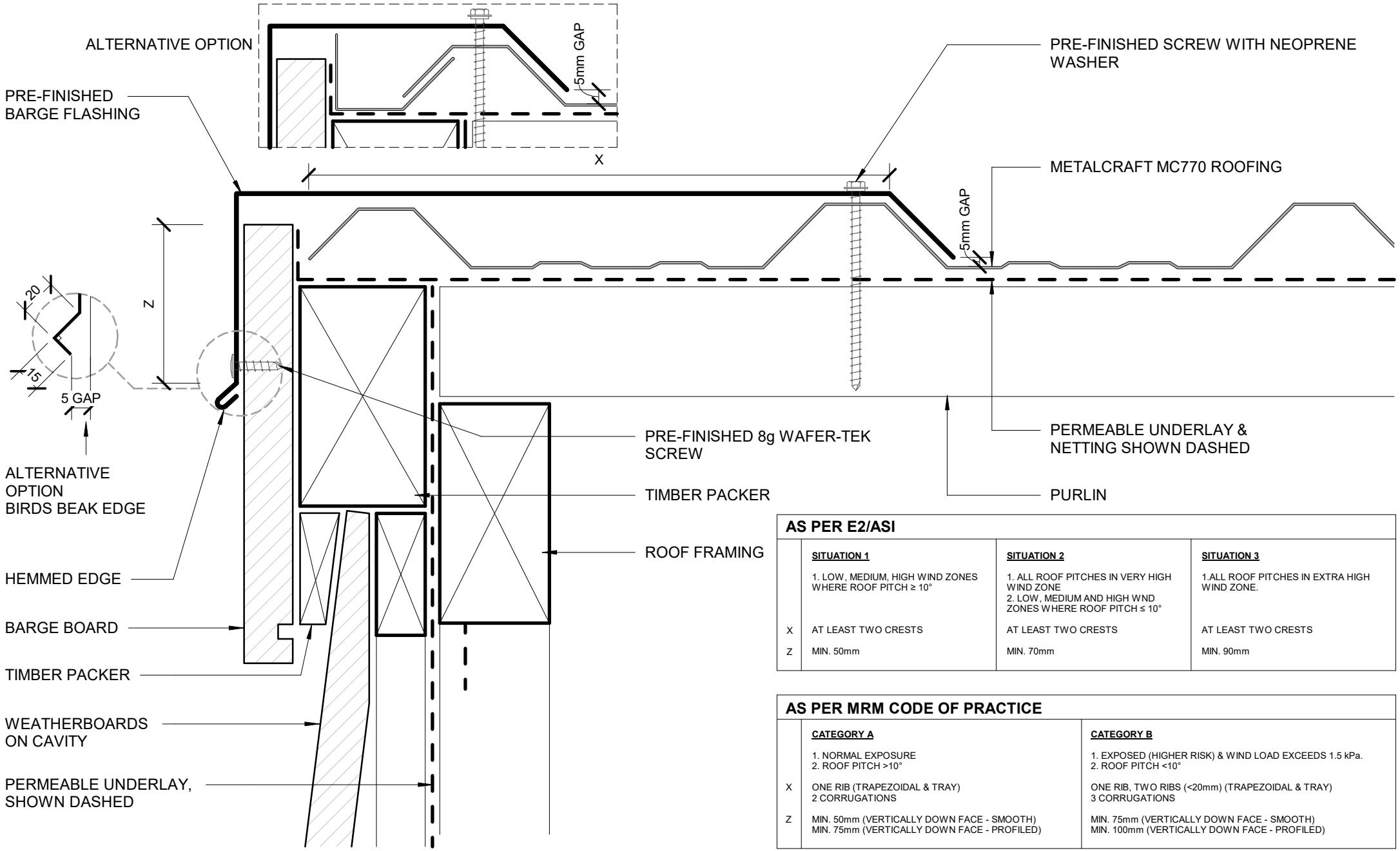
Metalcraft Roofing
www.metalcraftgroup.co.nz

DISCLAIMER:
All details are to be used for indicative purposes only and the designer should consult both the MRM code of practice version 3.0 / 2022, 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.

FLUSH EAVE WITH EXTERNAL GUTTER BRACKET

MC770 Rev. 1.0 RESIDENTIAL ROOFING

Reference RRMC770 Date JAN 2023 Scale 1 : 2 Sheet A 15 / 29



AS PER E2/ASI

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

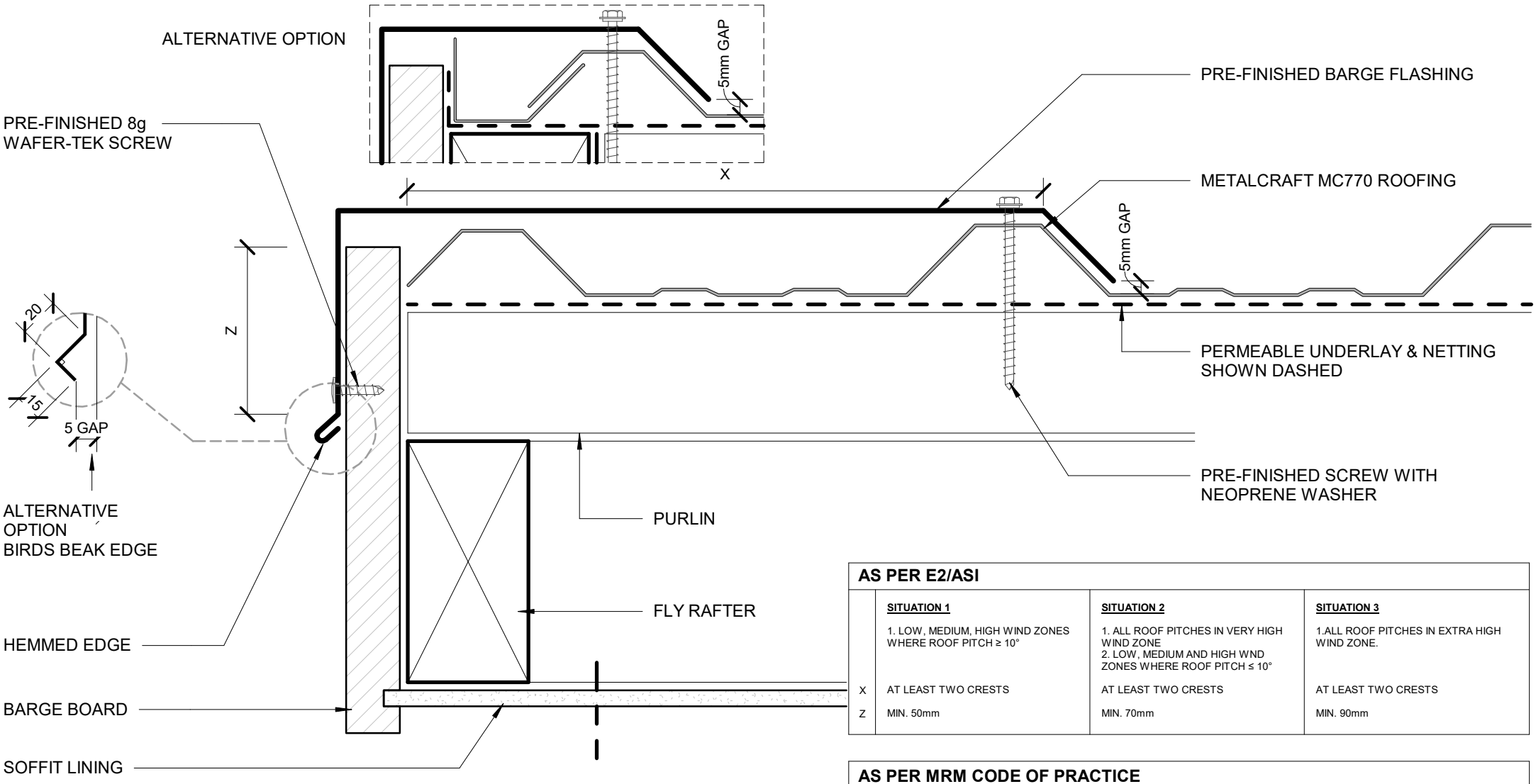
	CATEGORY A	CATEGORY B
	1. NORMAL EXPOSURE 2. ROOF PITCH >10°	1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 kPa. 2. ROOF PITCH <10°
X	ONE RIB (TRAPEZOIDAL & TRAY) 2 CORRUGATIONS	ONE RIB, TWO RIBS (<20mm) (TRAPEZOIDAL & TRAY) 3 CORRUGATIONS
Z	MIN. 50mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 75mm (VERTICALLY DOWN FACE - PROFILED)	MIN. 75mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 100mm (VERTICALLY DOWN FACE - PROFILED)

Metalcraft Roofing
www.metalcraftgroup.co.nz

BARGE WITH PROFILED CLADDING

MC770 Rev. 1.0 RESIDENTIAL ROOFING

Reference RRMC770 Date JAN 2023 Scale 1 : 2



AS PER E2/ASI

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

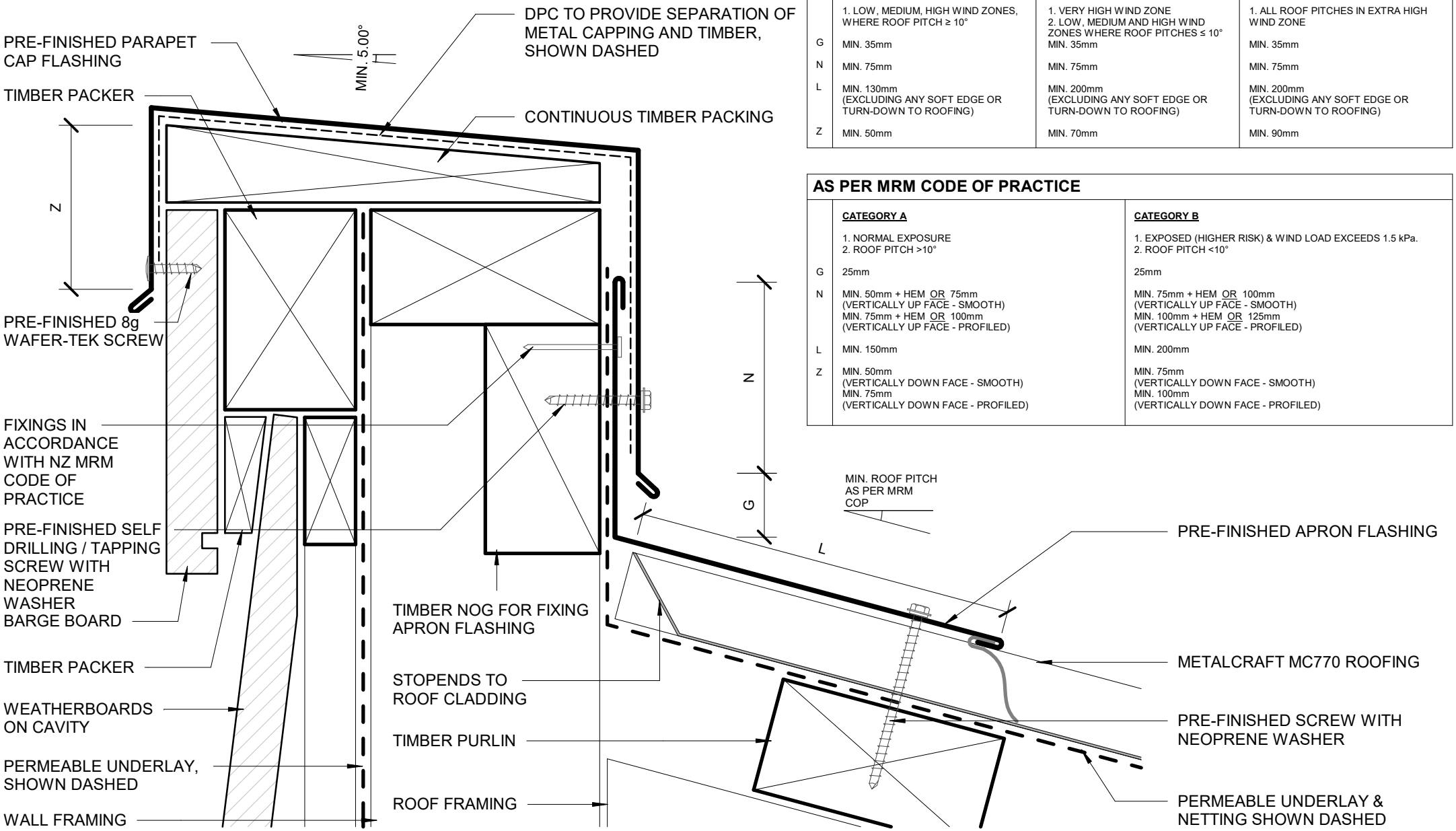
	CATEGORY A	CATEGORY B
	1. NORMAL EXPOSURE 2. ROOF PITCH >10°	1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 kPa. 2. ROOF PITCH <10°
X	ONE RIB (TRAPEZOIDAL & TRAY) 2 CORRUGATIONS	ONE RIB, TWO RIBS (<20mm) (TRAPEZOIDAL & TRAY) 3 CORRUGATIONS
Z	MIN. 50mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 75mm (VERTICALLY DOWN FACE - PROFILED)	MIN. 75mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 100mm (VERTICALLY DOWN FACE - PROFILED)

Metalcraft Roofing
www.metalcraftgroup.co.nz

BARGE OVERHANG

MC770 Rev. 1.0 RESIDENTIAL ROOFING

Reference RRMC770 Date JAN 2023 Scale 1 : 2 Sheet A 17 / 29



AS PER E2/ASI

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

AS PER MRM CODE OF PRACTICE

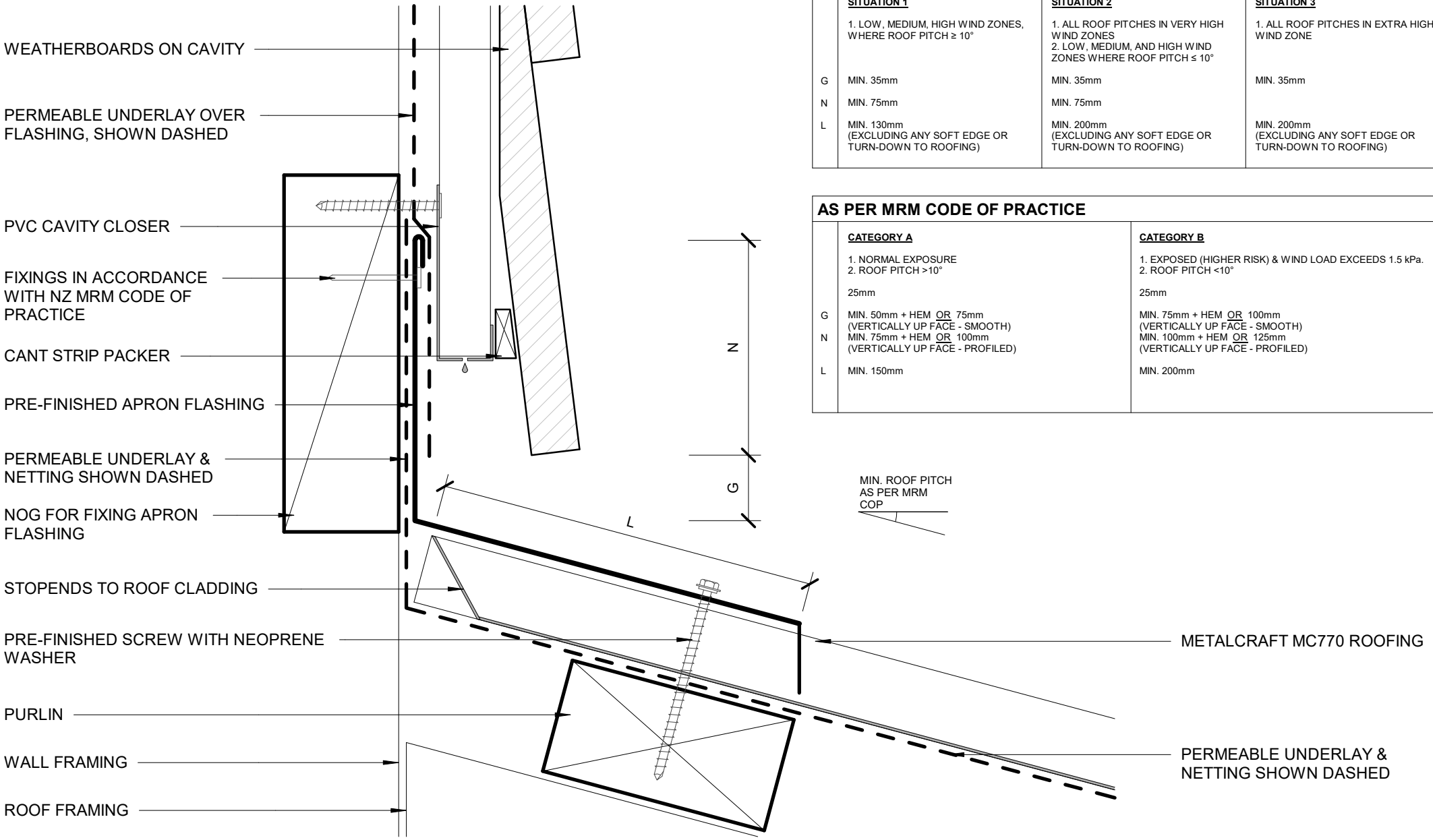
	CATEGORY A	CATEGORY B
	1. NORMAL EXPOSURE 2. ROOF PITCH >10°	1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 kPa. 2. ROOF PITCH <10°
G	25mm	25mm
N	MIN. 50mm + HEM OR 75mm (VERTICALLY UP FACE - SMOOTH) MIN. 75mm + HEM OR 100mm (VERTICALLY UP FACE - PROFILED)	MIN. 75mm + HEM OR 100mm (VERTICALLY UP FACE - SMOOTH) MIN. 100mm + HEM OR 125mm (VERTICALLY UP FACE - PROFILED)
L	MIN. 150mm	MIN. 200mm
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)

Metalcraft Roofing
www.metalcraftgroup.co.nz

PARARPET WITH TRANSVERSE APRON

MC770 Rev. 1.0 RESIDENTIAL ROOFING

Reference RRMC770 Date JAN 2023 Scale 1 : 2 Sheet A 18 / 29



AS PER E2/ASI

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

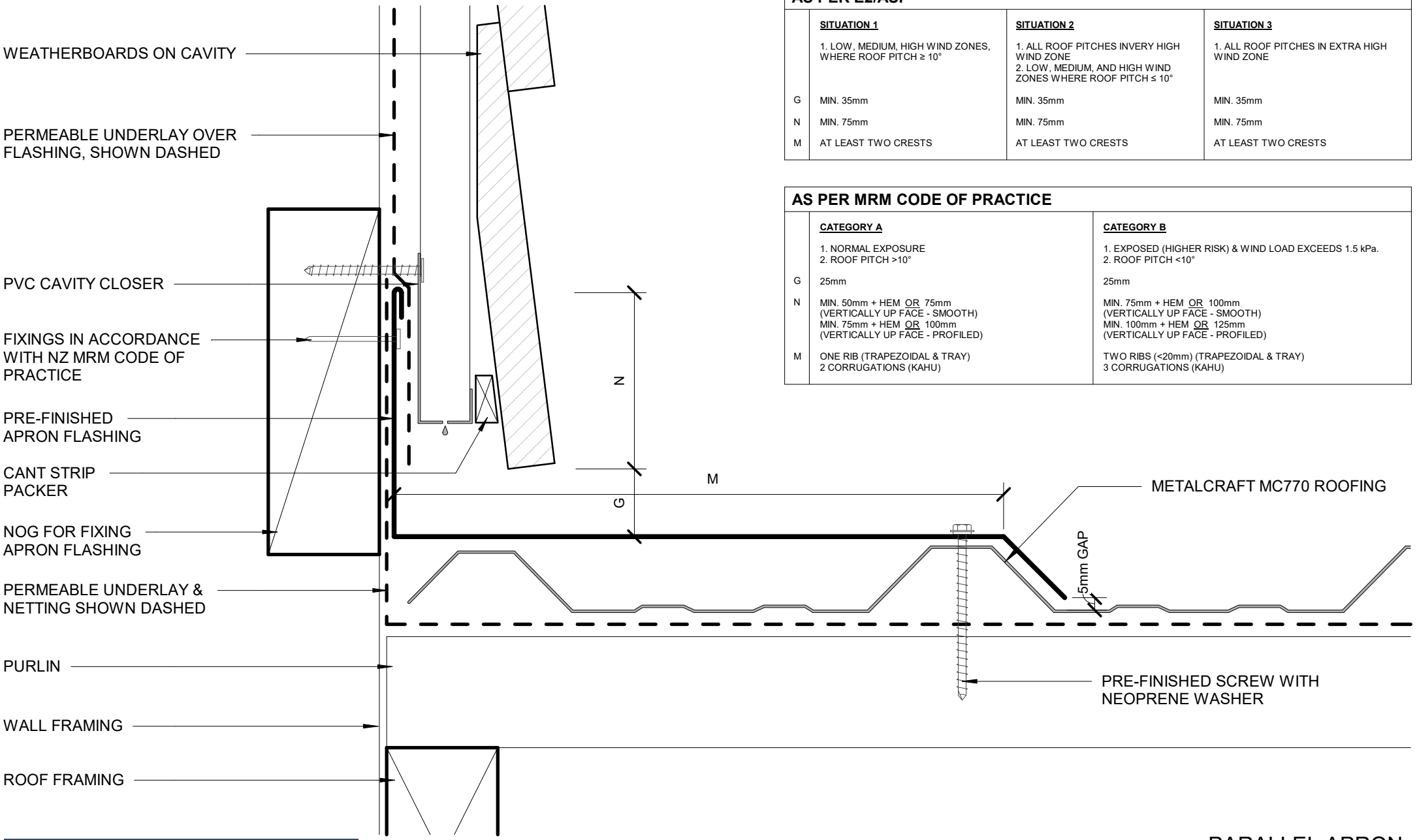
	CATEGORY A	CATEGORY B
	1. NORMAL EXPOSURE 2. ROOF PITCH >10°	1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 kPa. 2. ROOF PITCH <10°
	25mm	25mm
G	MIN. 50mm + HEM OR 75mm (VERTICALLY UP FACE - SMOOTH)	MIN. 75mm + HEM OR 100mm (VERTICALLY UP FACE - SMOOTH)
N	MIN. 75mm + HEM OR 100mm (VERTICALLY UP FACE - PROFILED)	MIN. 100mm + HEM OR 125mm (VERTICALLY UP FACE - PROFILED)
L	MIN. 150mm	MIN. 200mm

Metalcraft Roofing
www.metalcraftgroup.co.nz

TRANSVERSE APRON

MC770 Rev. 1.0 RESIDENTIAL ROOFING

Reference RRMC770 Date JAN 2023 Scale 1 : 2



AS PER E2/ASI

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

AS PER MRM CODE OF PRACTICE

	CATEGORY A	CATEGORY B
	1. NORMAL EXPOSURE 2. ROOF PITCH >10°	1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 kPa. 2. ROOF PITCH <10°
G	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)
M	ONE RIB (TRAPEZOIDAL & TRAY) 2 CORRUGATIONS (KAHU)	TWO RIBS (<20mm) (TRAPEZOIDAL & TRAY) 3 CORRUGATIONS (KAHU)

Metalcraft Roofing
www.metalcraftgroup.co.nz

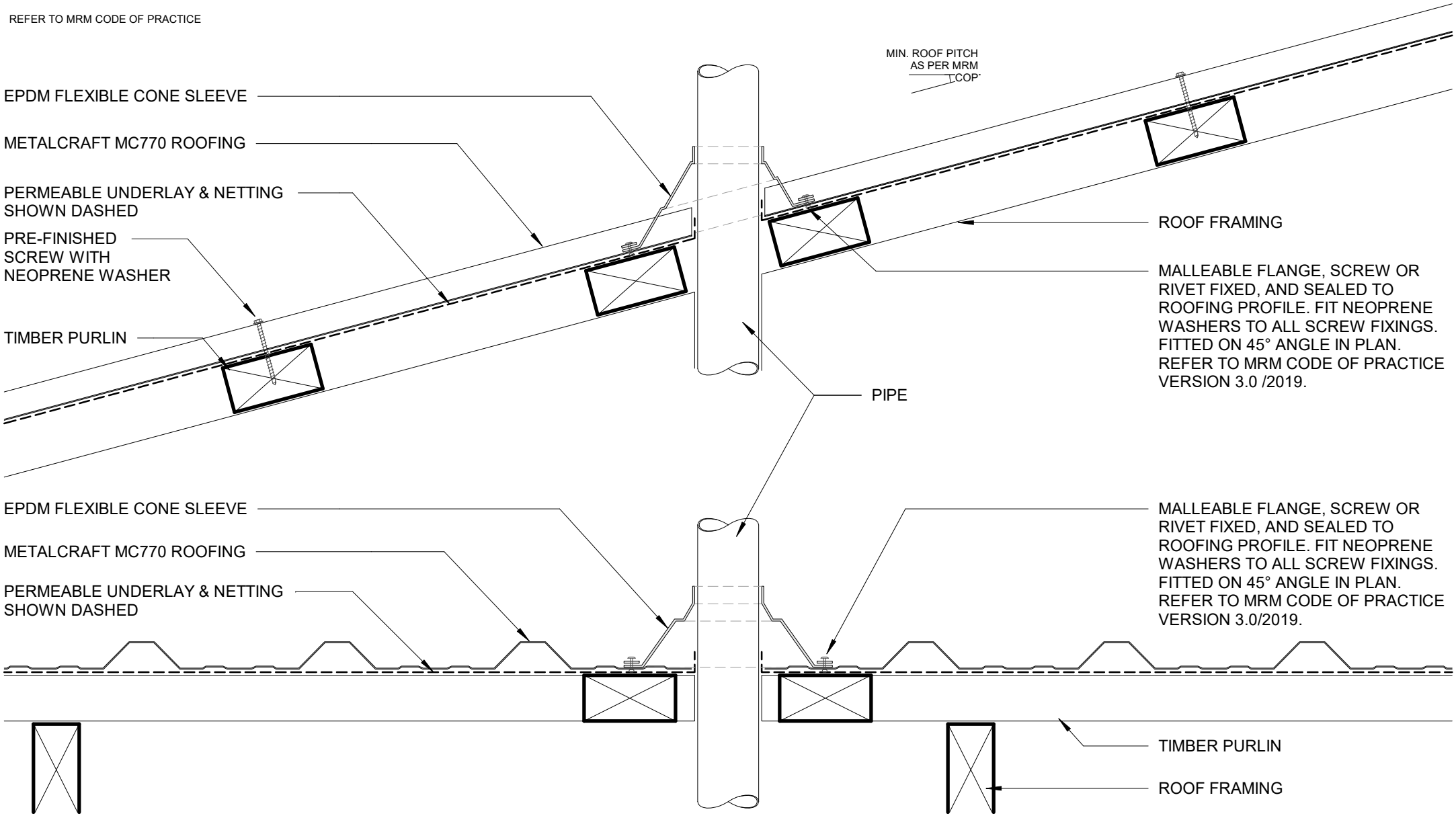
PARALLEL APRON

MC770 Rev. 1.0 RESIDENTIAL ROOFING

Reference RRMC770 Date JAN 2023 Scale 1 : 2 Sheet A 20 / 29

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

REFER TO MRM CODE OF PRACTICE



PIPE PENETRATION DIRECT FIXED BOOT FLASHING

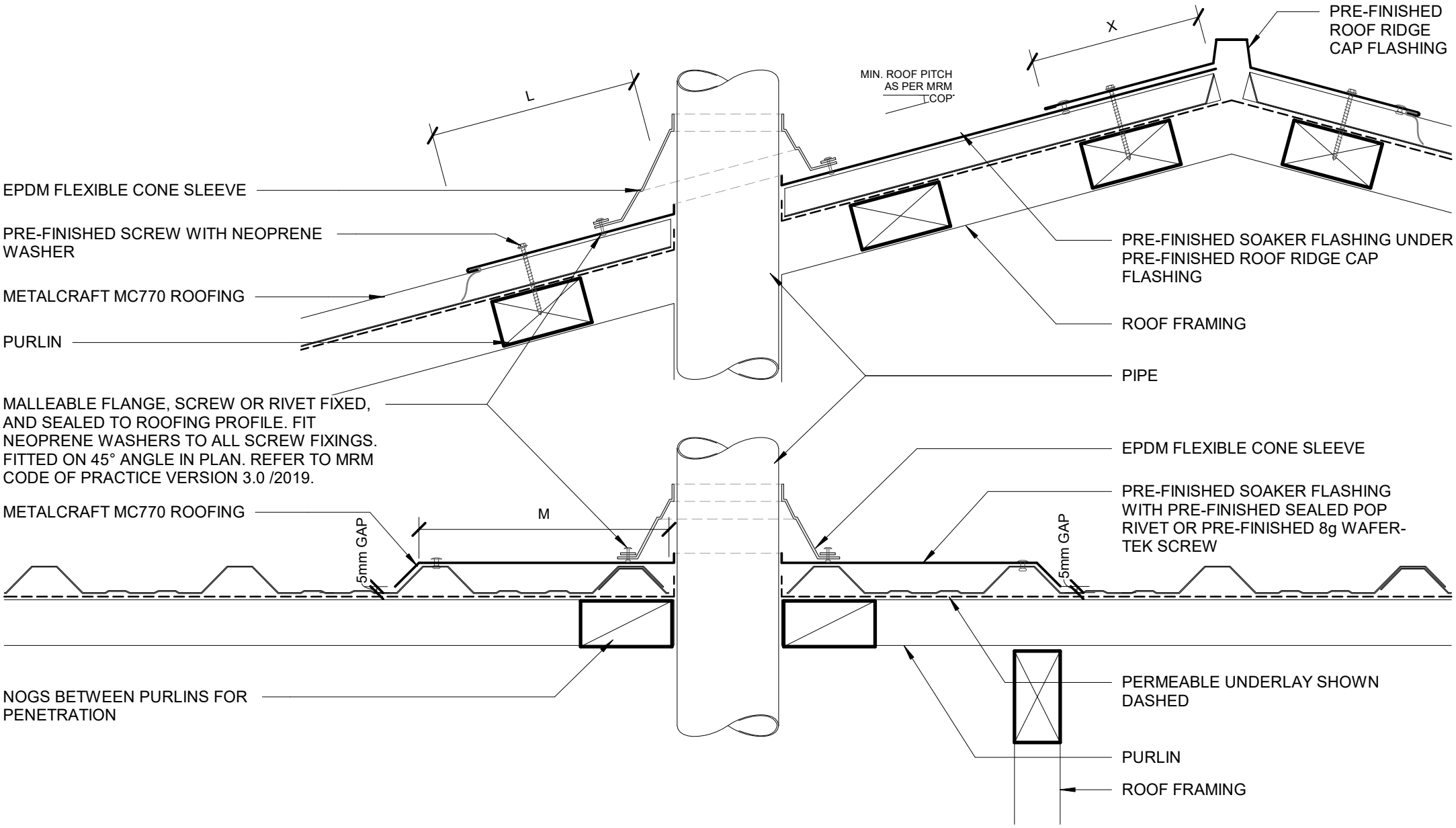
MC770 Rev. 1.0 **RESIDENTIAL ROOFING**

Reference RRMC770 Date JAN 2023 Scale 1 : 5 Sheet **A 21 / 29**

Metalcraft Roofing
www.metalcraftgroup.co.nz

* MIN. 3° FOR PIPE PENETRATION WITH A BOOT

REFER MRM CODE OF PRACTICE

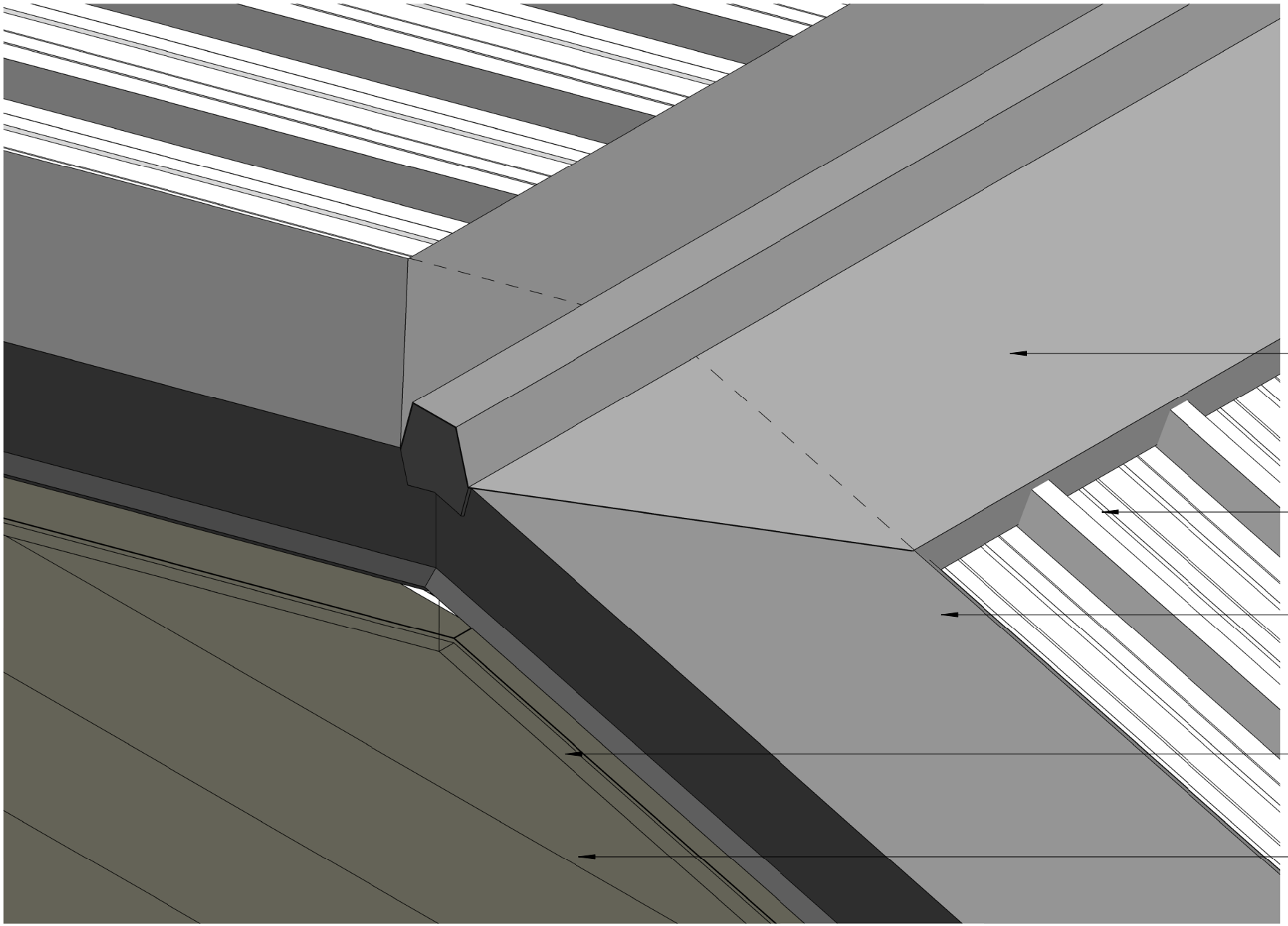


Metalcraft Roofing
www.metalcraftgroup.co.nz

PIPE PENETRATION BACK TRAY BOOT FLASHING

MC770 Rev. 1.0 RESIDENTIAL ROOFING

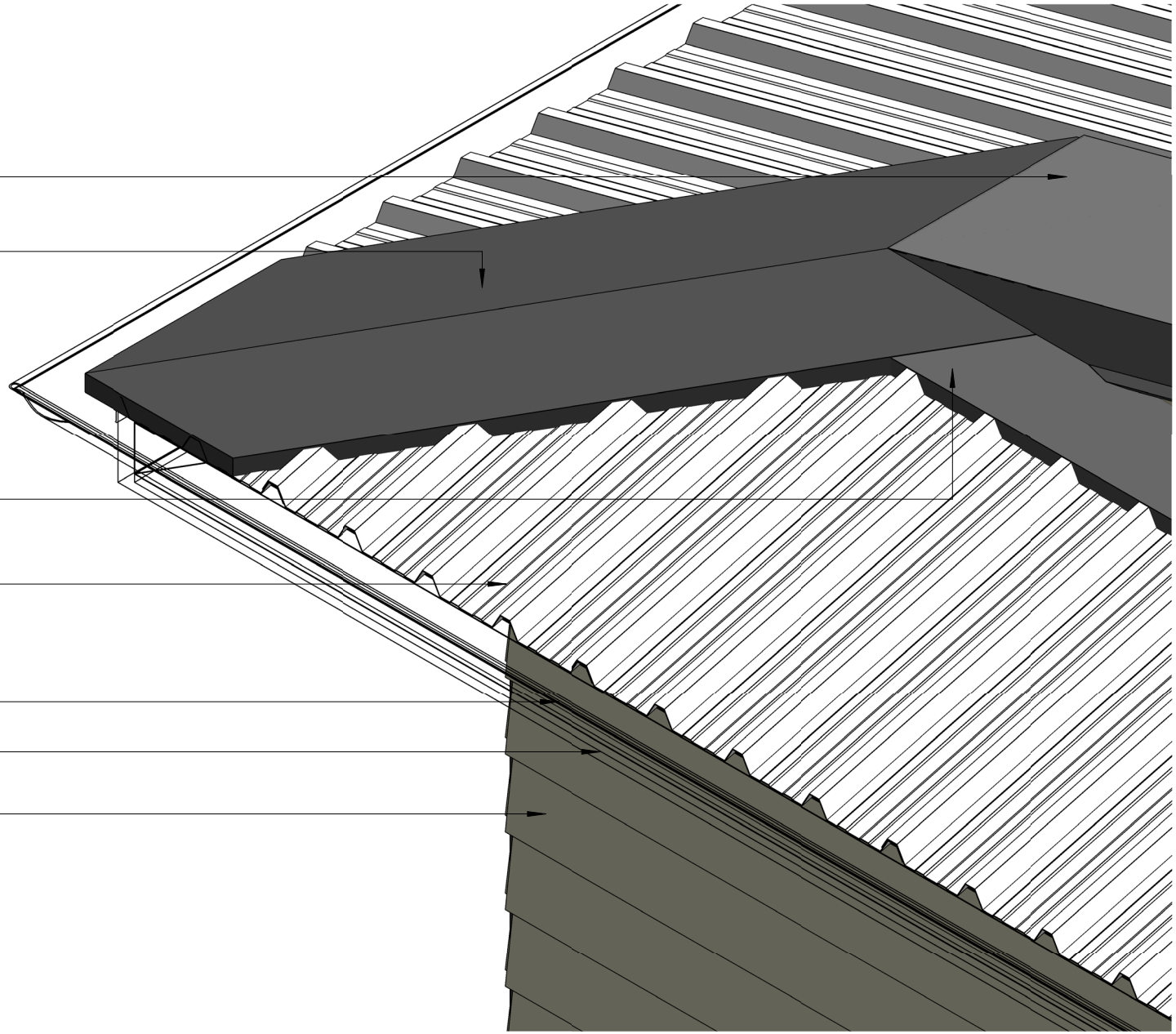
Reference RRMC770 Date JAN 2023 Scale 1 : 5 Sheet A 22 / 29



* PLEASE REFER TO MRM CODE OF PRACTICE VERSION 3.0/2019 AND RANZ HOW TO ON-SITE GUIDE METAL ROOF FLASHING FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS.

3D RIDGE TO BARGE JUNCTION

Metalcraft Roofing
www.metalcraftgroup.co.nz



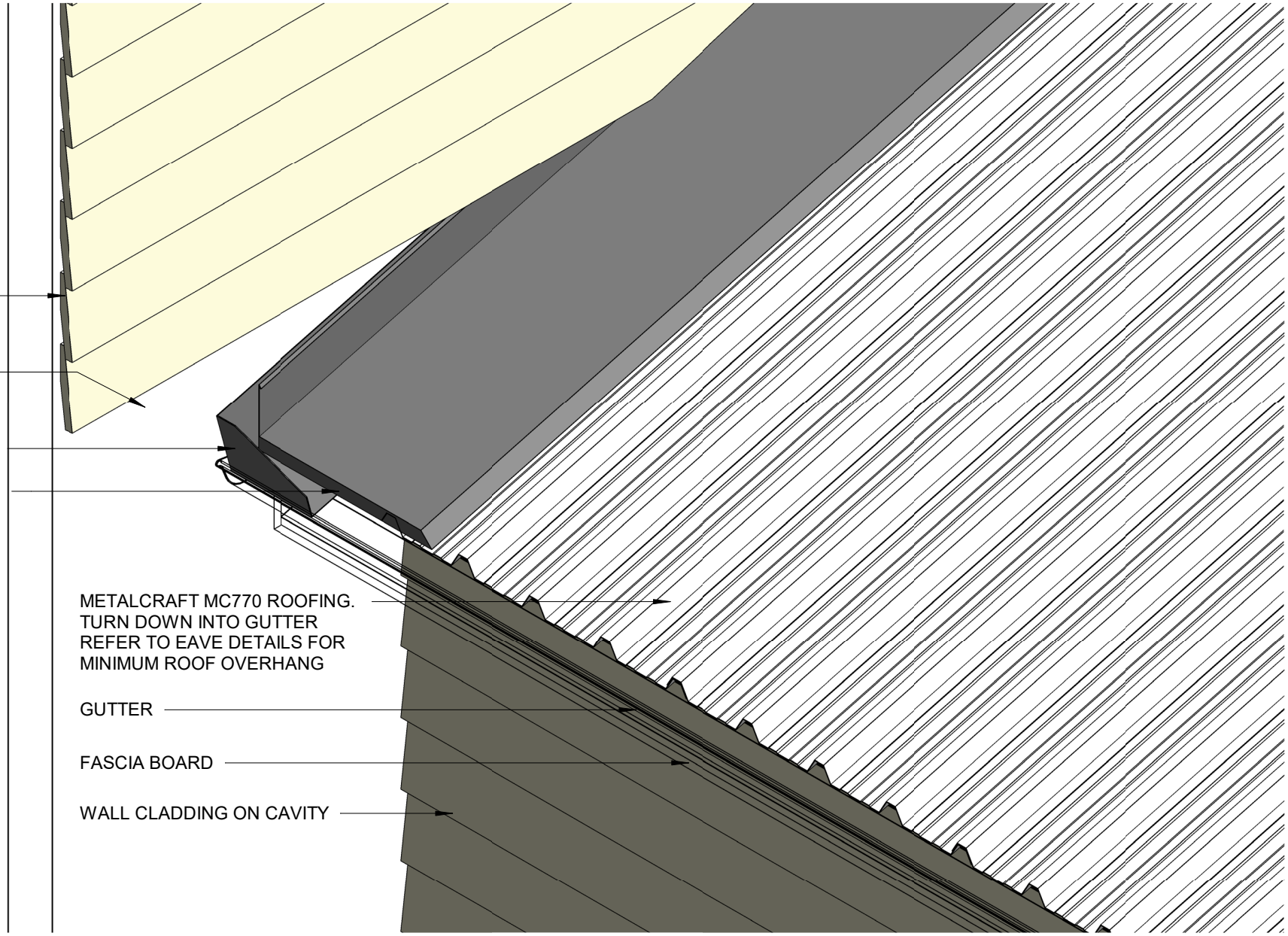
* PLEASE REFER TO MRM CODE OF PRACTICE VERSION 3.0/2019 AND RANZ HOW TO ON-SITE GUIDE METAL ROOF FLASHING FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS.

Metalcraft Roofing
www.metalcraftgroup.co.nz

3D DUTCH GABLE

MC770 Rev. 1.0 RESIDENTIAL ROOFING

Reference RRMC770 Date JAN 2023 Scale Sheet A 24 / 29



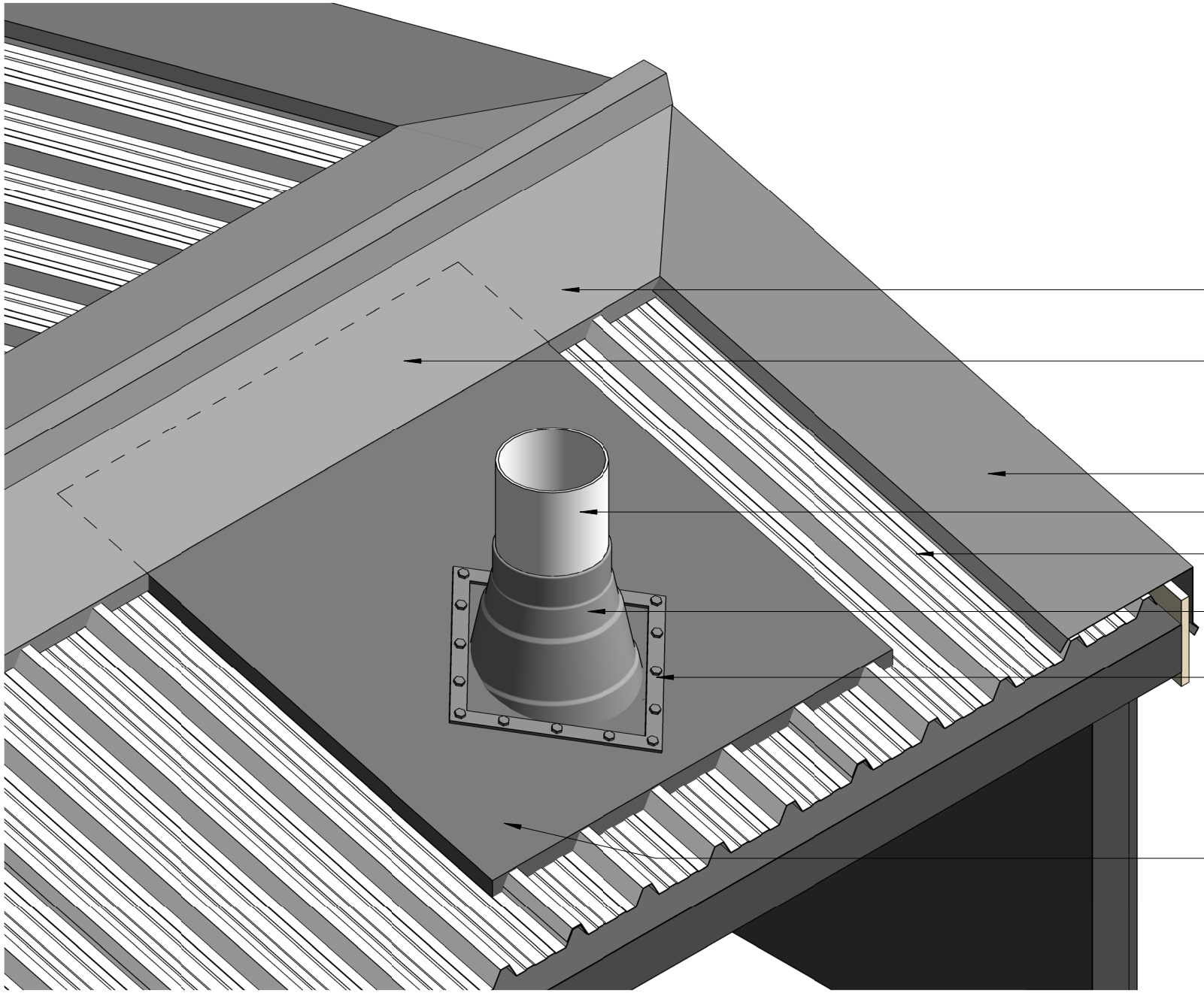
* PLEASE REFER TO MRM CODE OF PRACTICE VERSION 3.0/2019 AND RANZ HOW TO ON-SITE GUIDE METAL ROOF FLASHING FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS.

Metalcraft
Roofing
www.metalcraftgroup.co.nz

3D APRON

MC770 Rev. 1.0 **RESIDENTIAL ROOFING**

Reference RRMC770 Date JAN 2023 Scale



* PLEASE REFER TO MRM CODE OF PRACTICE VERSION 3.0/2019 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 ROOFRIDGE FLASHING

PRE-FINISHED ROOF BARGE FLASHING

PIPE

METALCRAFT MC770 ROOFING

EPDM FLEXIBLE CONE SLEEVE

MALLEABLE FLANGE, SCREW OR RIVET FIXED, AND SEALEDTO ROOFING PROFILE. FIT NEOPRENE WASHERS TO ALL SCREW FIXINGS. FITTED ON 45° ANGLE IN PLAN. REFER TO MRM CODE OF PRACTICE VERSION 3.0/2019

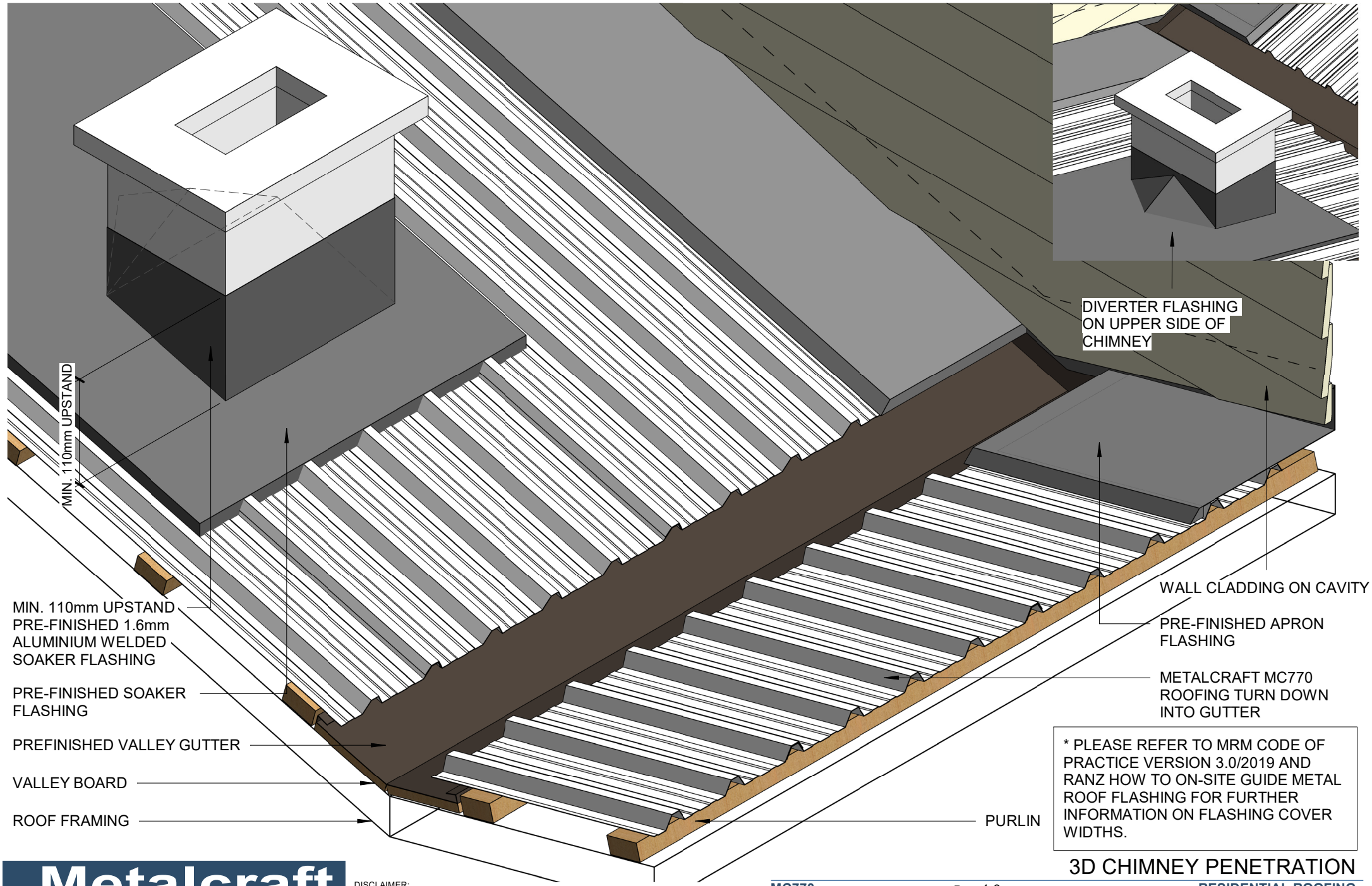
PRE-FINISHED SOAKER FLASHING

Metalcraft
Roofing
www.metalcraftgroup.co.nz

BACK TRAY PENETRATION

MC770 Rev. 1.0 RESIDENTIAL ROOFING

Reference RRMC770 Date JAN 2023 Scale

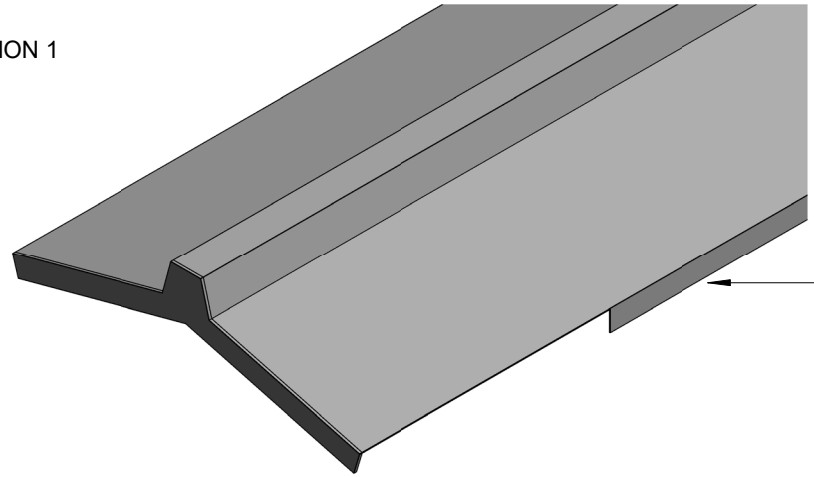


* PLEASE REFER TO MRM CODE OF PRACTICE VERSION 3.0/2019 AND RANZ HOW TO ON-SITE GUIDE METAL ROOF FLASHING FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS.

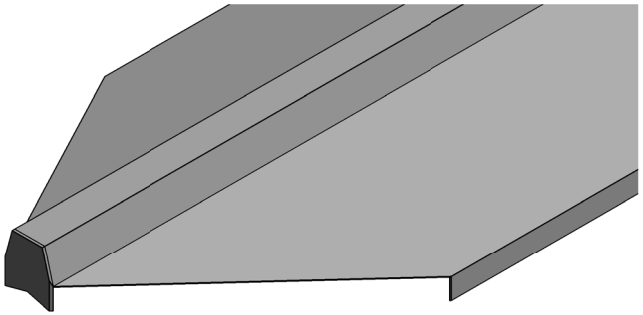
3D CHIMNEY PENETRATION

Metalcraft Roofing
www.metalcraftgroup.co.nz

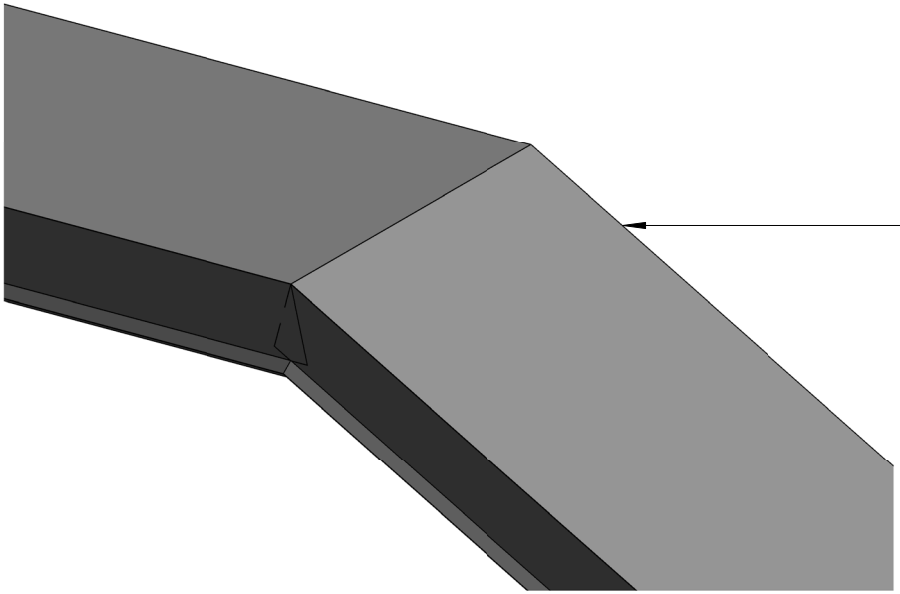
OPTION 1



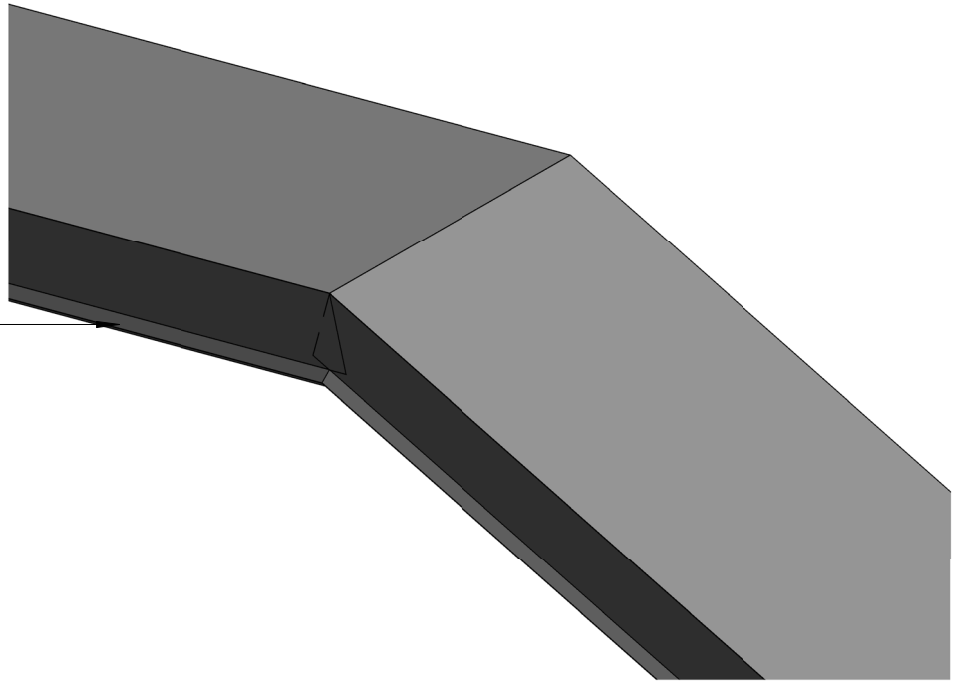
OPTION 2



RIDGE CAP
FLASHING



BARGE
FLASHING

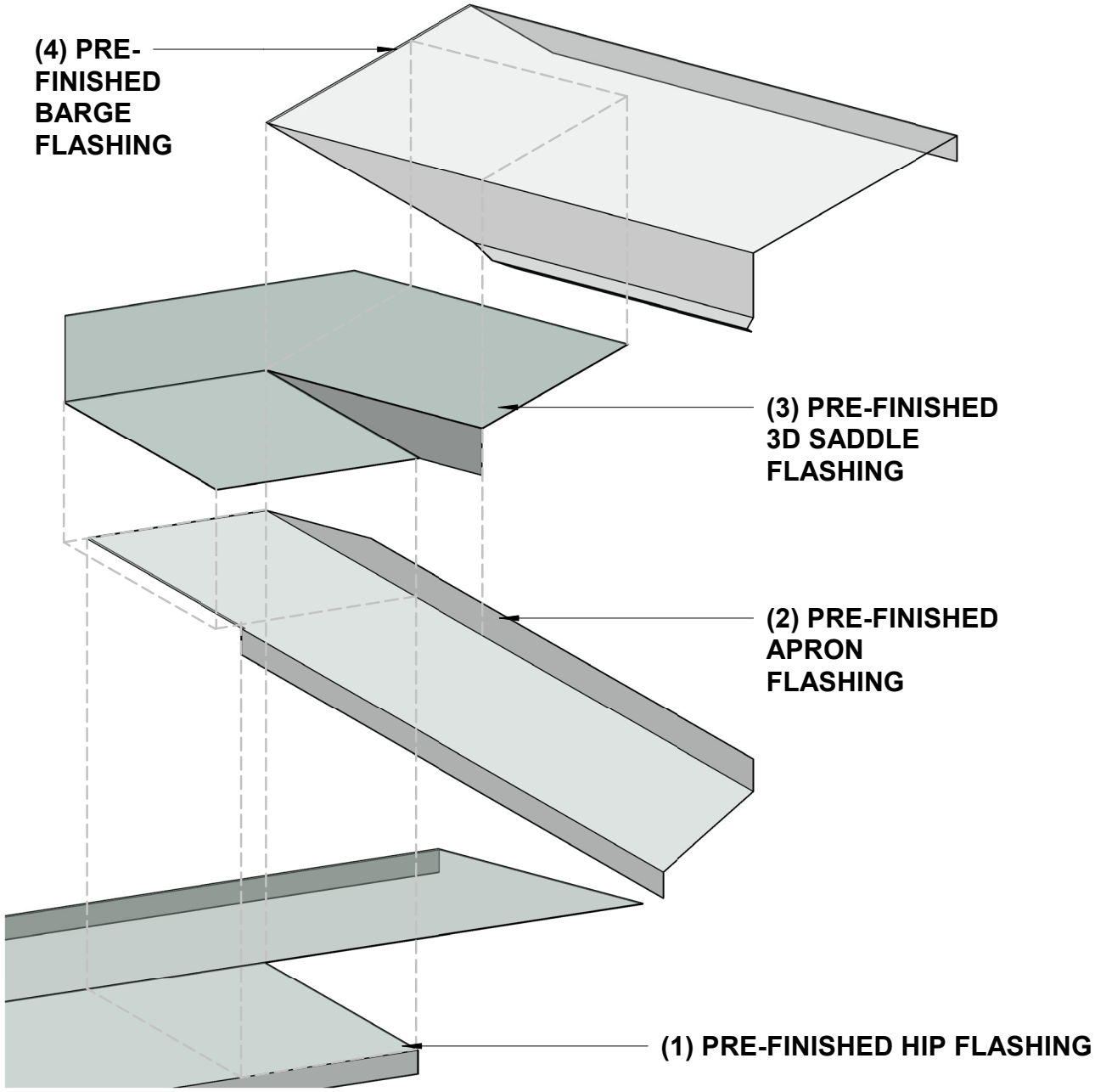


3D RIDGE/BARGE FLASHINGS

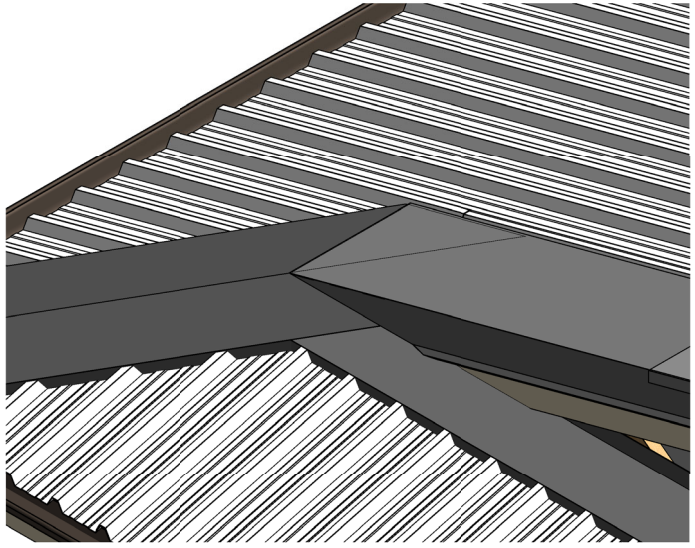
MC770 Rev. 1.0 **RESIDENTIAL ROOFING**

Reference RRMC770 Date JAN 2023 Scale Sheet **A 28 / 29**

Metalcraft Roofing
www.metalcraftgroup.co.nz



* PLEASE REFER TO MRM CODE OF PRACTICE VERSION 3.0/2019 AND RANZ HOW TO ON-SITE GUIDE METAL ROOF FLASHINGS FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS.



Metalcraft Roofing
www.metalcraftgroup.co.nz

3D DUTCH GABLE FLASHINGS

MC770 Rev. 1.0 RESIDENTIAL ROOFING

Reference RRMC770 Date JAN 2023 Scale Sheet A 29 / 29